

Pantheon Report

Generated at 2018-02-27 20:16:48 (UTC).

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

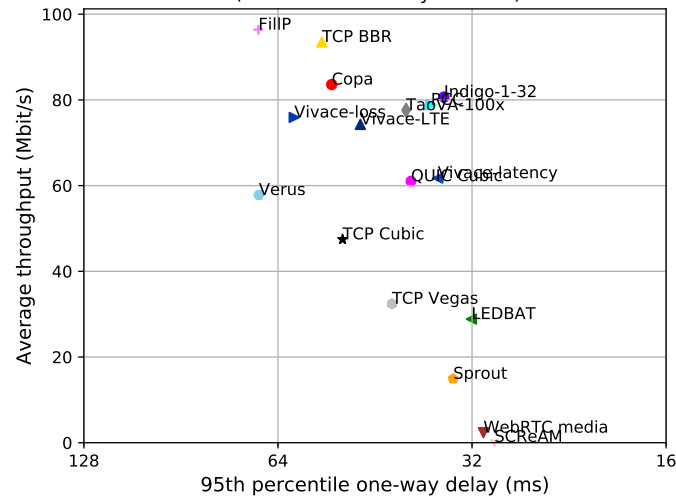
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

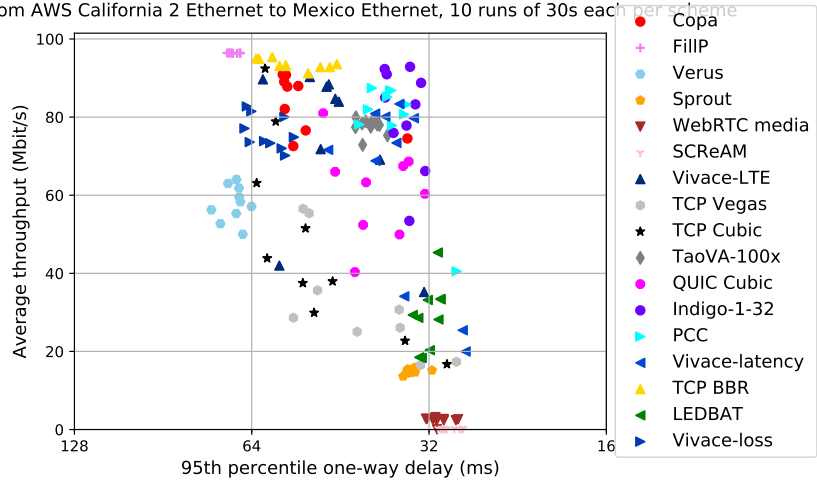
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS California 2 Ethernet to Mexico Ethernet, 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	93.52	54.70	1.96
TCP Cubic	10	47.46	50.81	0.51
LEDBAT	10	28.85	32.07	0.21
PCC	10	78.86	37.07	0.85
QUIC Cubic	9	61.04	39.80	0.66
SCReAM	10	0.20	29.55	0.18
WebRTC media	10	2.35	30.73	0.23
Sprout	10	14.92	34.23	0.19
TaoVA-100x	10	77.60	40.50	0.41
TCP Vegas	9	32.43	42.60	0.65
Verus	10	57.81	68.52	37.67
Copa	9	83.59	52.82	72.14
FillP	10	96.39	68.63	22.39
Indigo-1-32	10	80.66	35.38	0.29
Vivace-latency	10	61.74	36.17	0.43
Vivace-loss	10	75.91	60.38	3.46
Vivace-LTE	10	74.28	47.68	0.95

Run 1: Statistics of TCP BBR

Start at: 2018-02-27 15:10:36

End at: 2018-02-27 15:11:06

Local clock offset: -2.265 ms

Remote clock offset: -5.984 ms

Below is generated by plot.py at 2018-02-27 19:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 62.229 ms

Loss rate: 2.45%

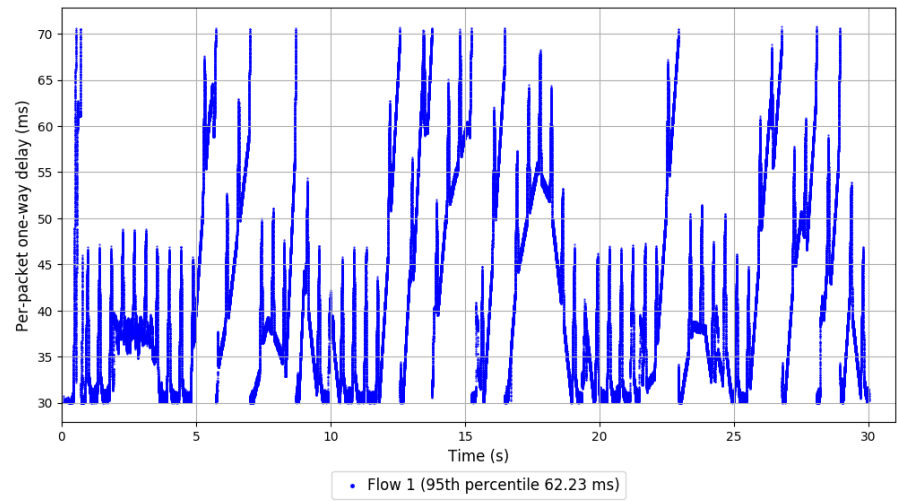
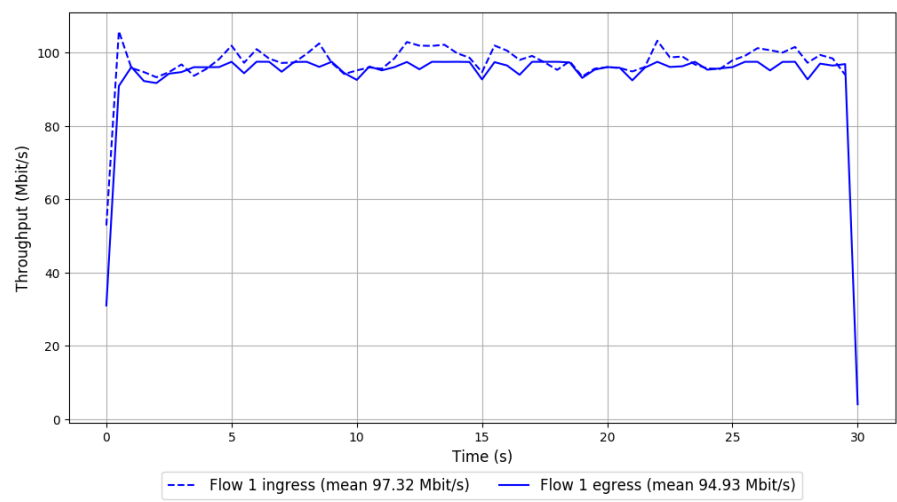
-- Flow 1:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 62.229 ms

Loss rate: 2.45%

Run 1: Report of TCP BBR — Data Link

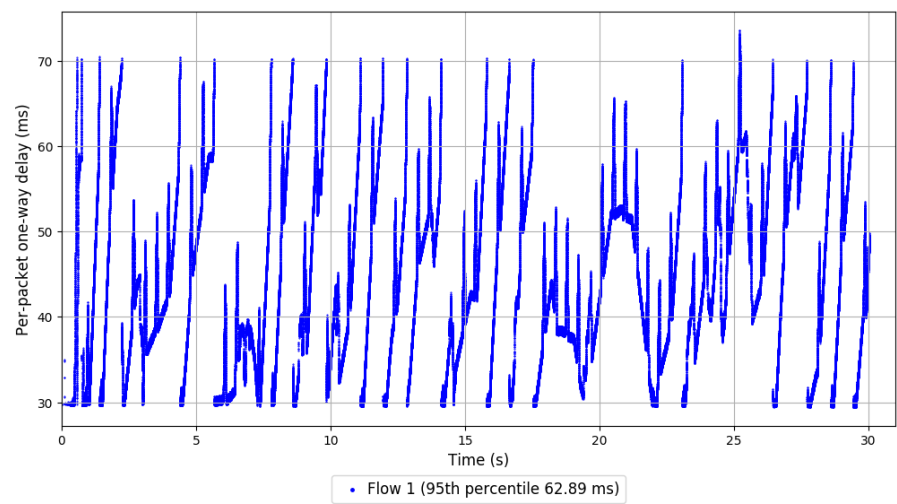
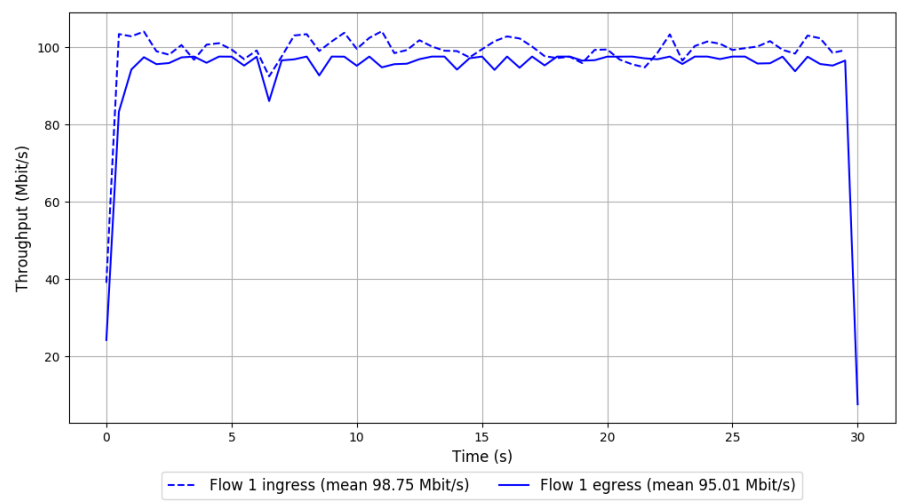


Run 2: Statistics of TCP BBR

Start at: 2018-02-27 15:36:08
End at: 2018-02-27 15:36:38
Local clock offset: -5.064 ms
Remote clock offset: -5.538 ms

Below is generated by plot.py at 2018-02-27 19:51:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 62.889 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 62.889 ms
Loss rate: 3.73%

Run 2: Report of TCP BBR — Data Link

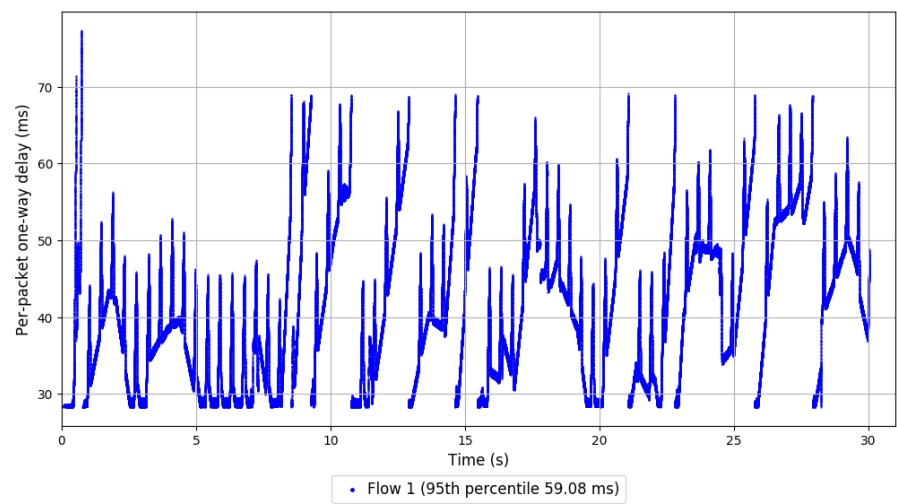
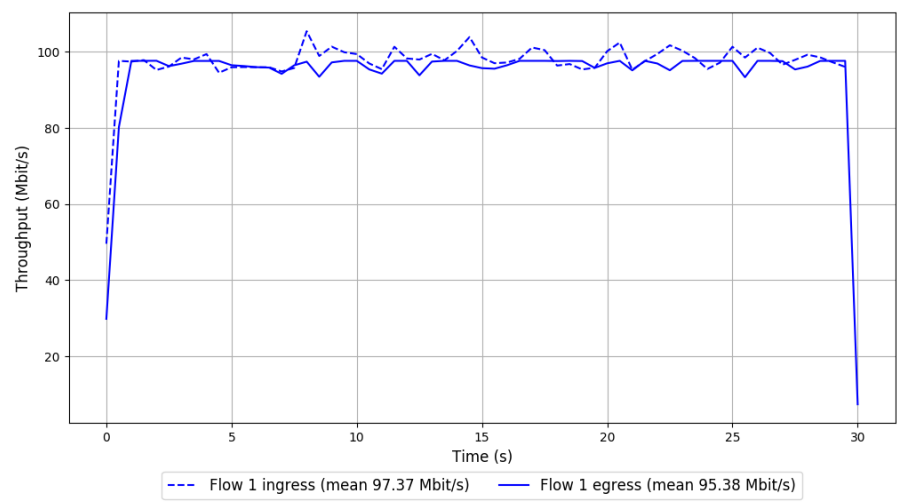


Run 3: Statistics of TCP BBR

Start at: 2018-02-27 16:03:34
End at: 2018-02-27 16:04:04
Local clock offset: -7.824 ms
Remote clock offset: -5.248 ms

Below is generated by plot.py at 2018-02-27 19:51:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 59.082 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 59.082 ms
Loss rate: 1.98%

Run 3: Report of TCP BBR — Data Link

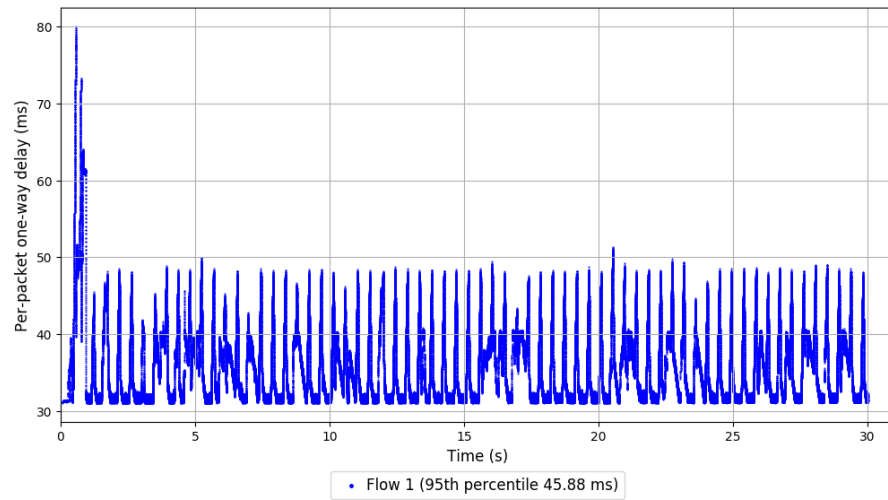
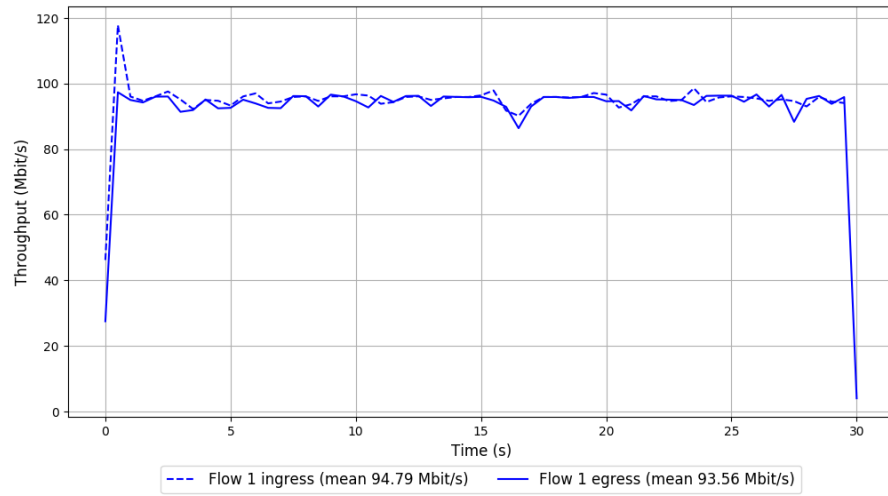


Run 4: Statistics of TCP BBR

Start at: 2018-02-27 16:28:28
End at: 2018-02-27 16:28:58
Local clock offset: -3.476 ms
Remote clock offset: -3.777 ms

Below is generated by plot.py at 2018-02-27 19:51:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 45.880 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 45.880 ms
Loss rate: 1.30%

Run 4: Report of TCP BBR — Data Link

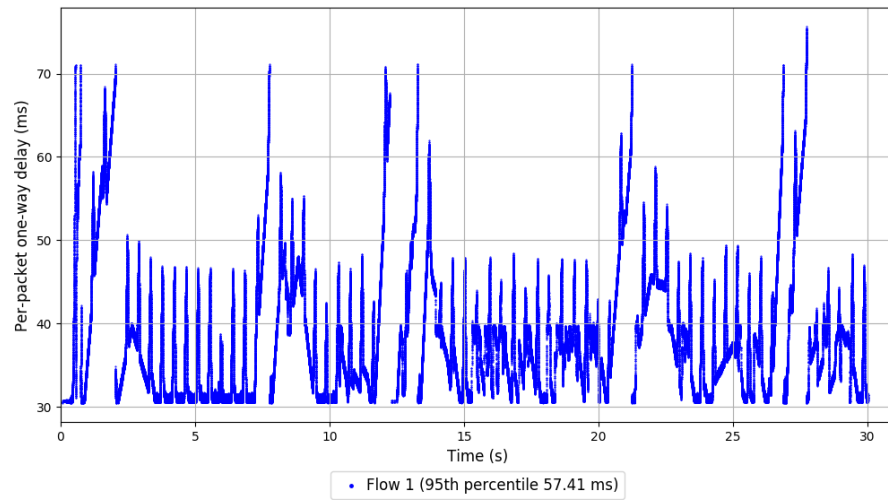
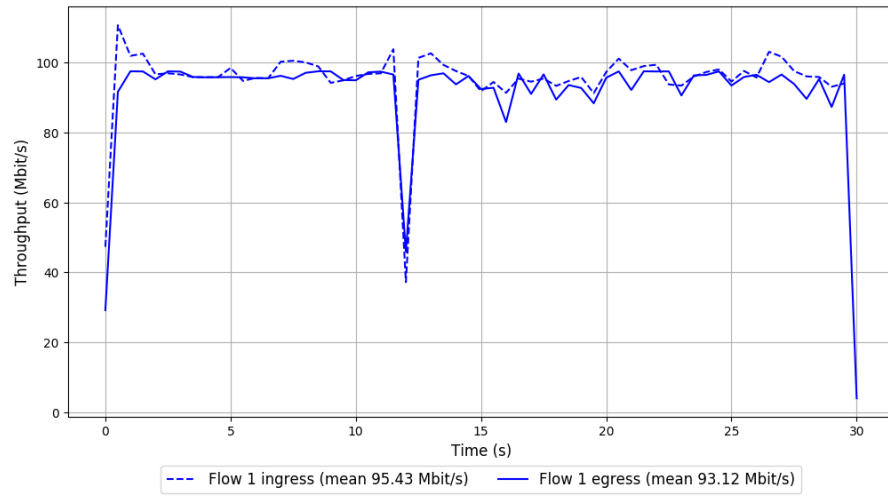


Run 5: Statistics of TCP BBR

Start at: 2018-02-27 16:53:22
End at: 2018-02-27 16:53:52
Local clock offset: -3.758 ms
Remote clock offset: -4.414 ms

Below is generated by plot.py at 2018-02-27 19:51:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 57.412 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 57.412 ms
Loss rate: 2.41%

Run 5: Report of TCP BBR — Data Link

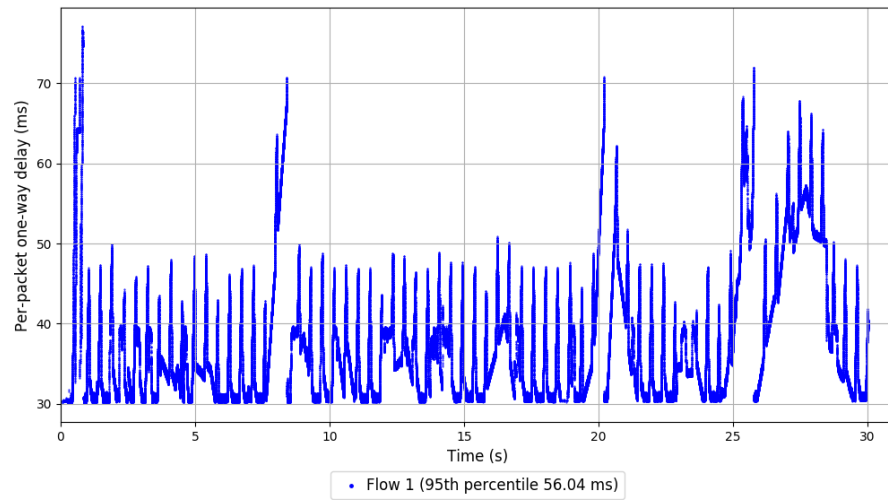
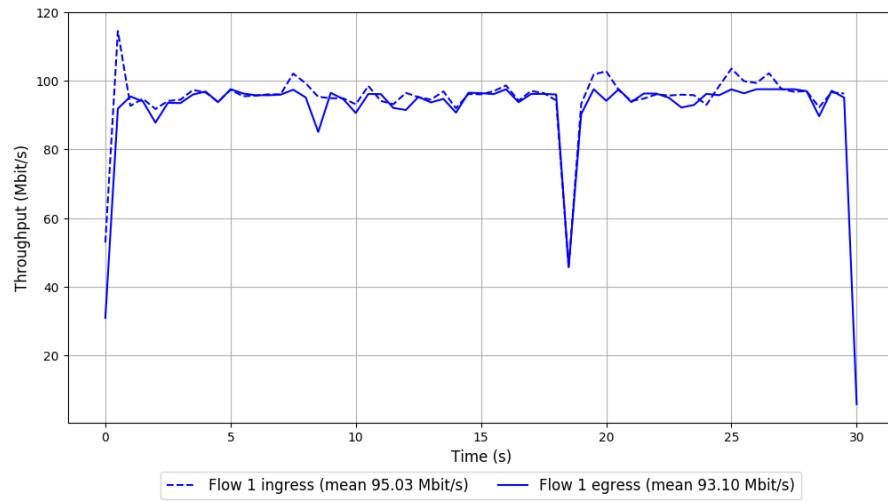


Run 6: Statistics of TCP BBR

Start at: 2018-02-27 17:19:52
End at: 2018-02-27 17:20:22
Local clock offset: -2.799 ms
Remote clock offset: -5.182 ms

Below is generated by plot.py at 2018-02-27 19:51:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 56.037 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 56.037 ms
Loss rate: 2.01%

Run 6: Report of TCP BBR — Data Link

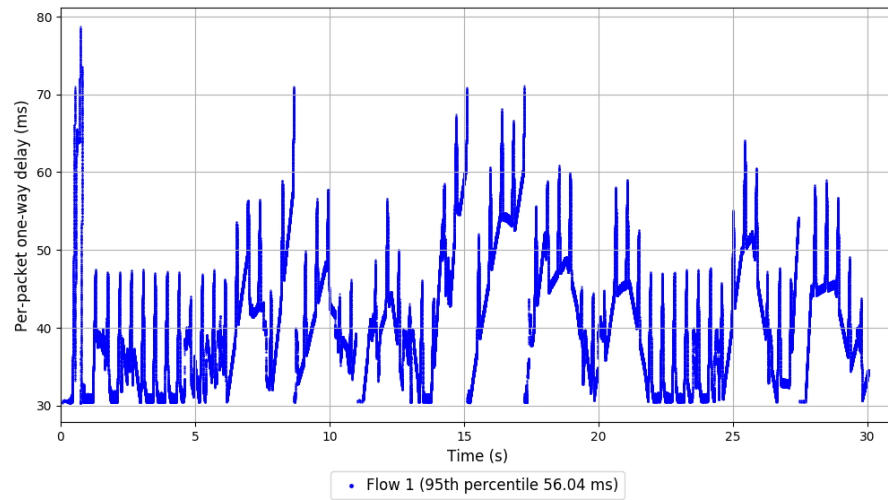
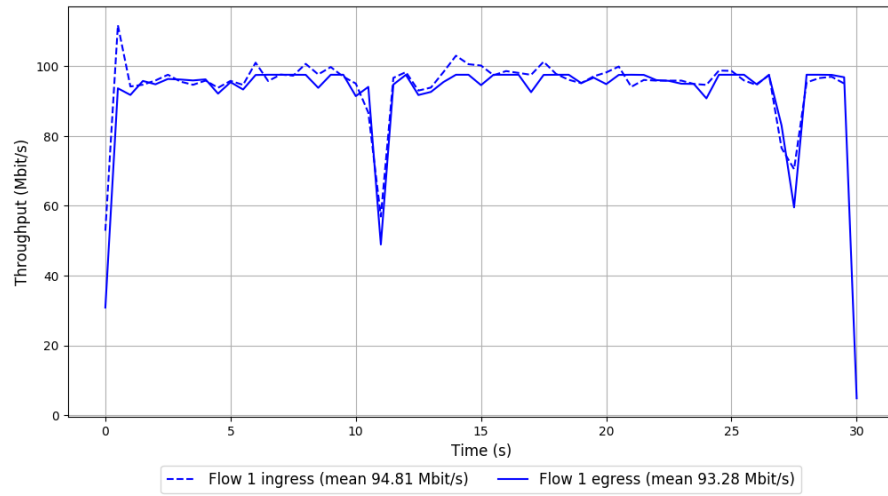


Run 7: Statistics of TCP BBR

Start at: 2018-02-27 17:49:55
End at: 2018-02-27 17:50:25
Local clock offset: 2.562 ms
Remote clock offset: -5.842 ms

Below is generated by plot.py at 2018-02-27 19:51:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 56.036 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 56.036 ms
Loss rate: 1.60%

Run 7: Report of TCP BBR — Data Link

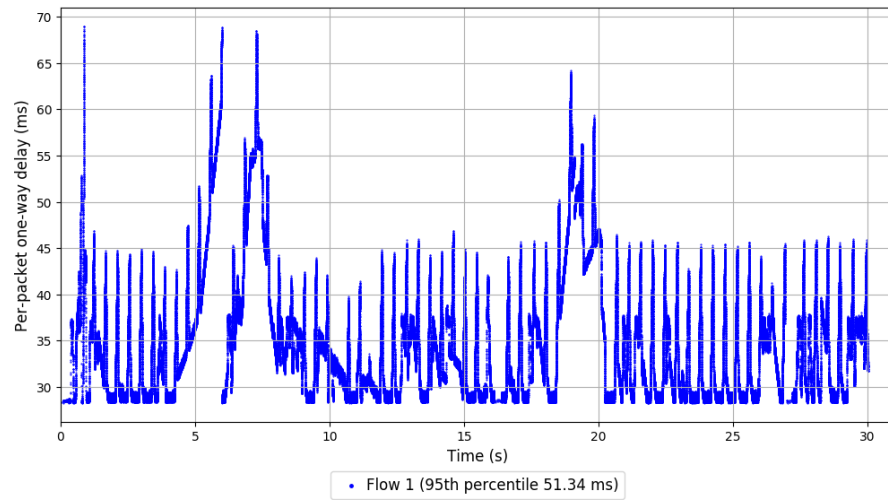
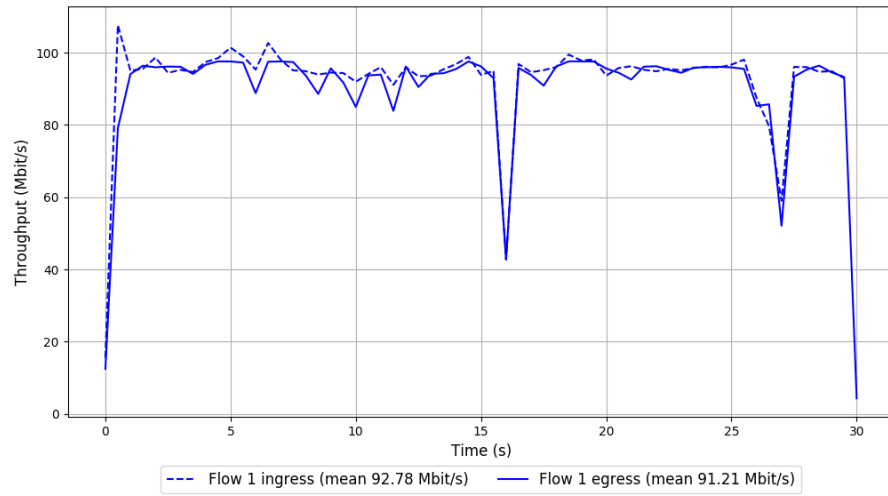


Run 8: Statistics of TCP BBR

Start at: 2018-02-27 18:14:59
End at: 2018-02-27 18:15:29
Local clock offset: -4.542 ms
Remote clock offset: -8.735 ms

Below is generated by plot.py at 2018-02-27 19:51:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 51.336 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 51.336 ms
Loss rate: 1.68%

Run 8: Report of TCP BBR — Data Link

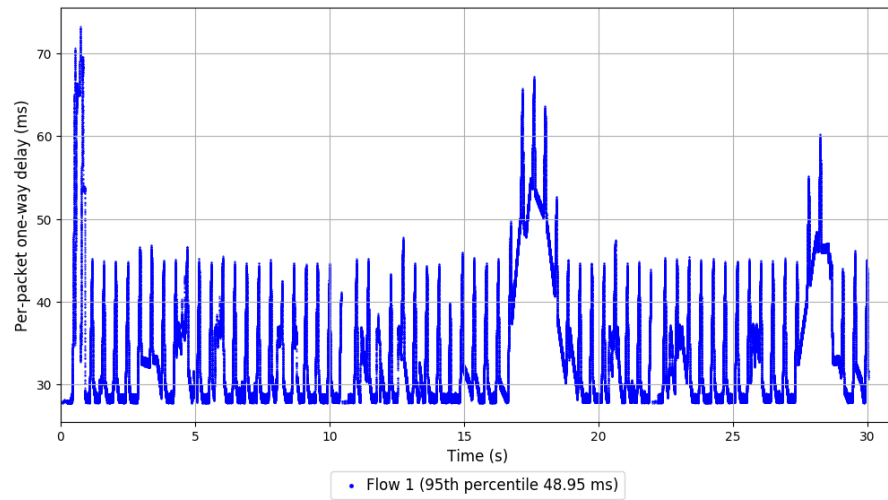
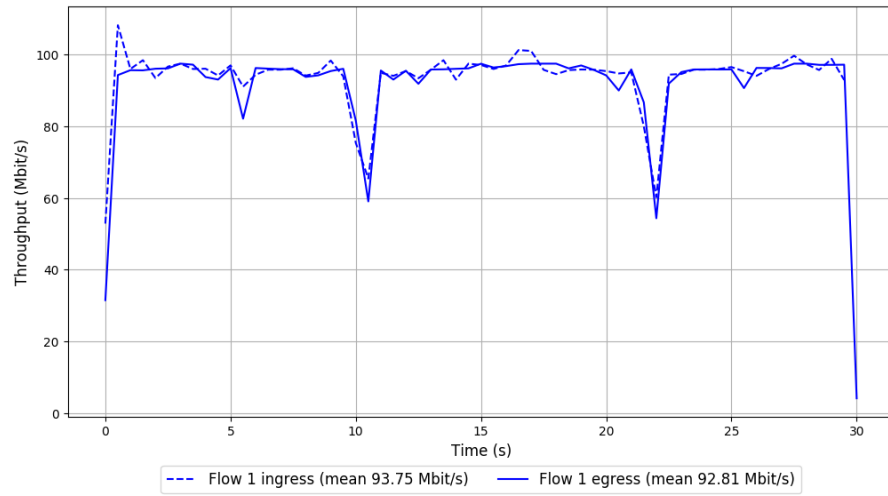


Run 9: Statistics of TCP BBR

Start at: 2018-02-27 18:41:21
End at: 2018-02-27 18:41:52
Local clock offset: -0.123 ms
Remote clock offset: -3.695 ms

Below is generated by plot.py at 2018-02-27 19:53:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 48.947 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 48.947 ms
Loss rate: 0.99%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-27 19:07:09

End at: 2018-02-27 19:07:39

Local clock offset: 2.252 ms

Remote clock offset: -7.607 ms

Below is generated by plot.py at 2018-02-27 19:53:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 47.167 ms

Loss rate: 1.41%

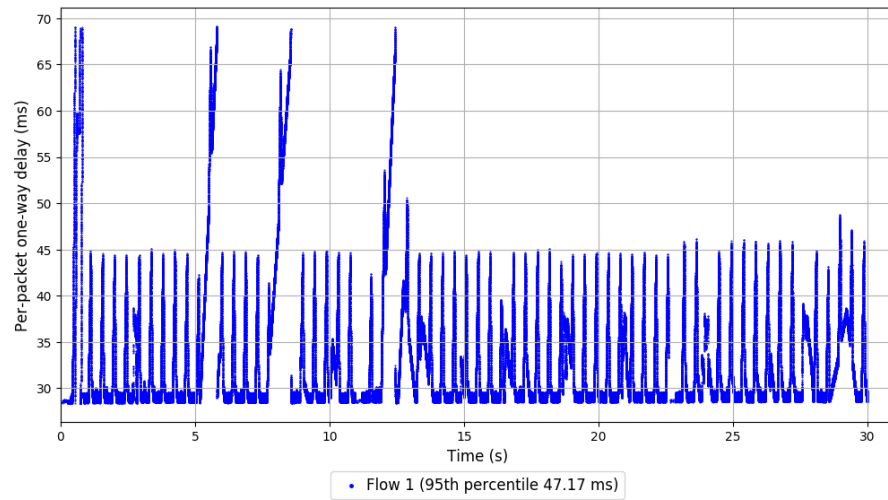
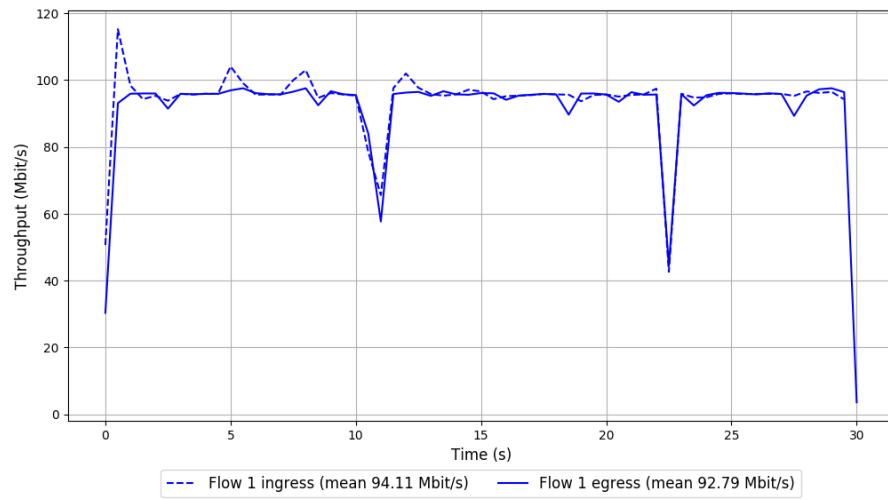
-- Flow 1:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 47.167 ms

Loss rate: 1.41%

Run 10: Report of TCP BBR — Data Link

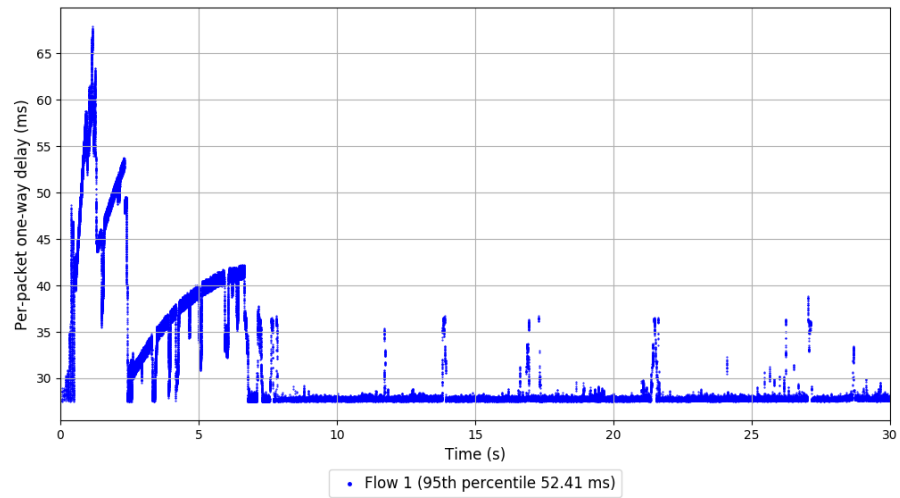
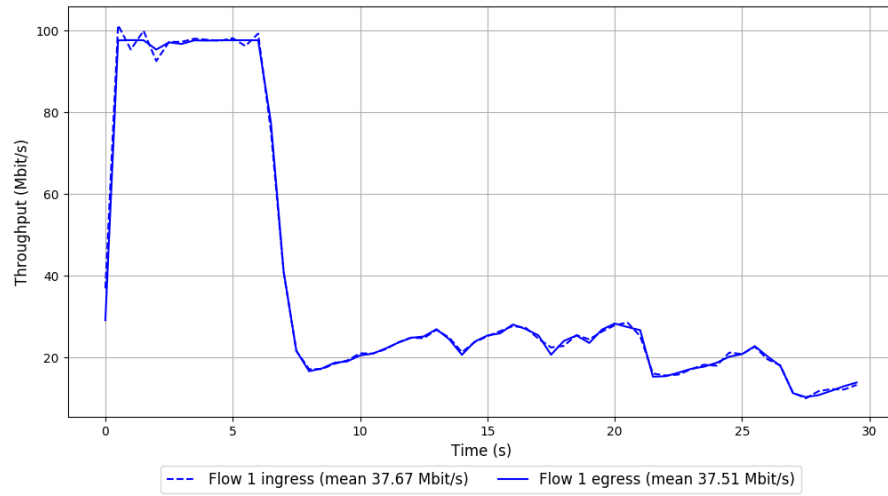


Run 1: Statistics of TCP Cubic

Start at: 2018-02-27 15:23:15
End at: 2018-02-27 15:23:45
Local clock offset: -3.982 ms
Remote clock offset: -10.579 ms

Below is generated by plot.py at 2018-02-27 19:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 52.407 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 52.407 ms
Loss rate: 0.42%

Run 1: Report of TCP Cubic — Data Link

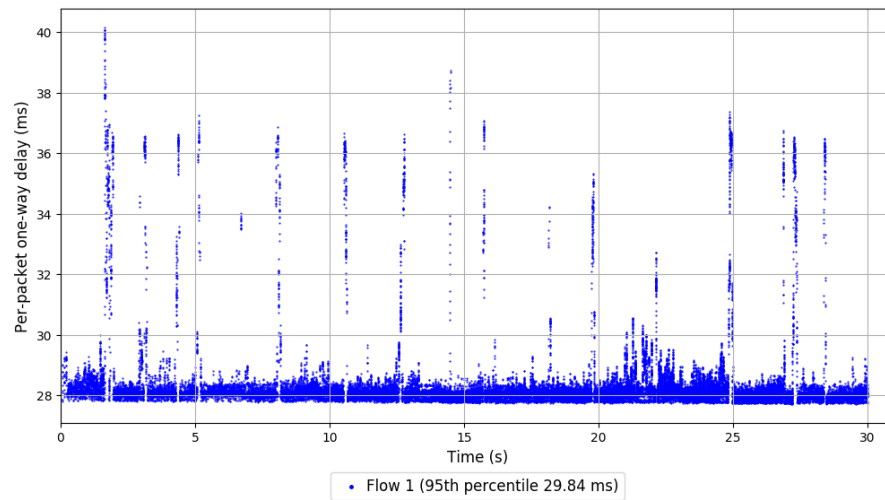
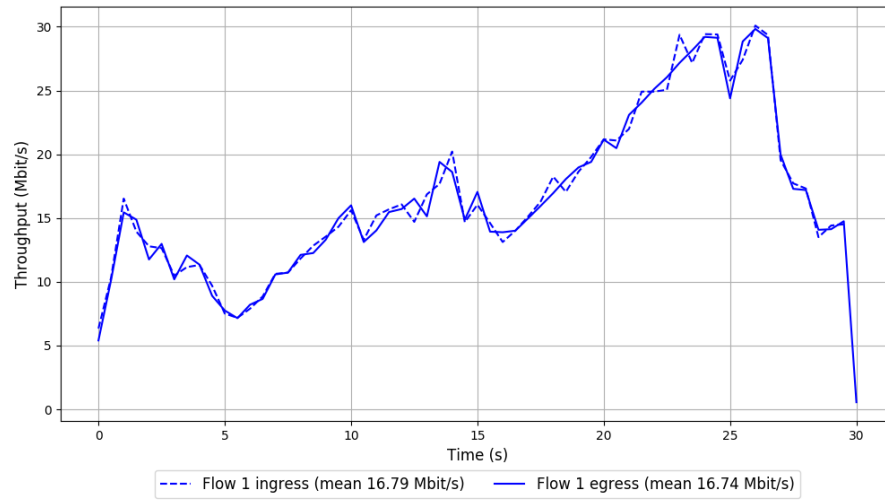


Run 2: Statistics of TCP Cubic

Start at: 2018-02-27 15:50:10
End at: 2018-02-27 15:50:40
Local clock offset: -6.855 ms
Remote clock offset: -5.554 ms

Below is generated by plot.py at 2018-02-27 19:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 29.840 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 29.840 ms
Loss rate: 0.29%

Run 2: Report of TCP Cubic — Data Link

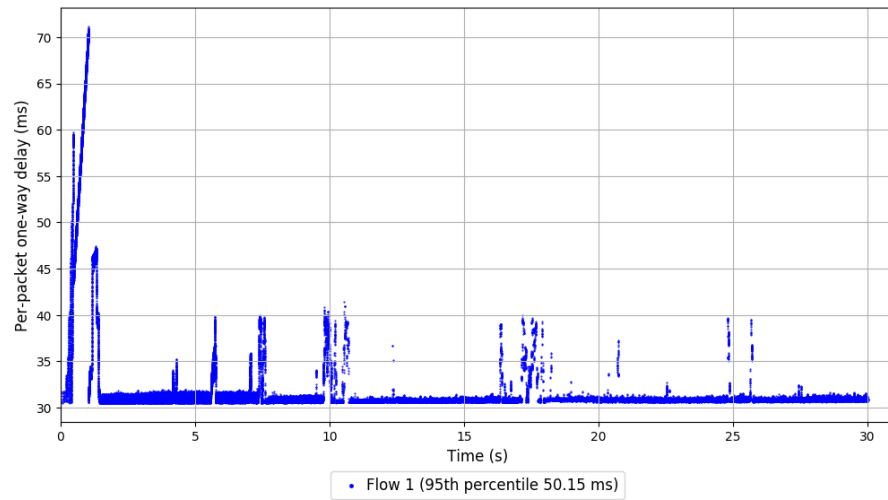
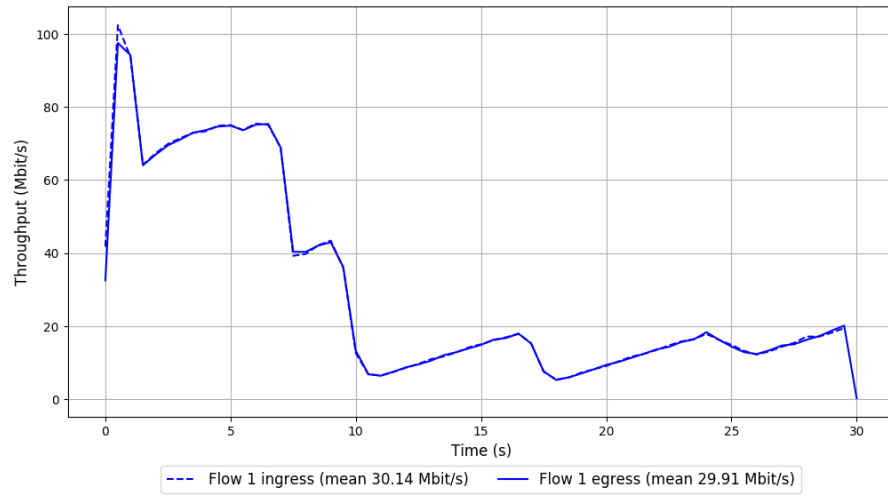


Run 3: Statistics of TCP Cubic

Start at: 2018-02-27 16:16:10
End at: 2018-02-27 16:16:41
Local clock offset: -5.35 ms
Remote clock offset: -4.207 ms

Below is generated by plot.py at 2018-02-27 19:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 50.154 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 50.154 ms
Loss rate: 0.76%

Run 3: Report of TCP Cubic — Data Link

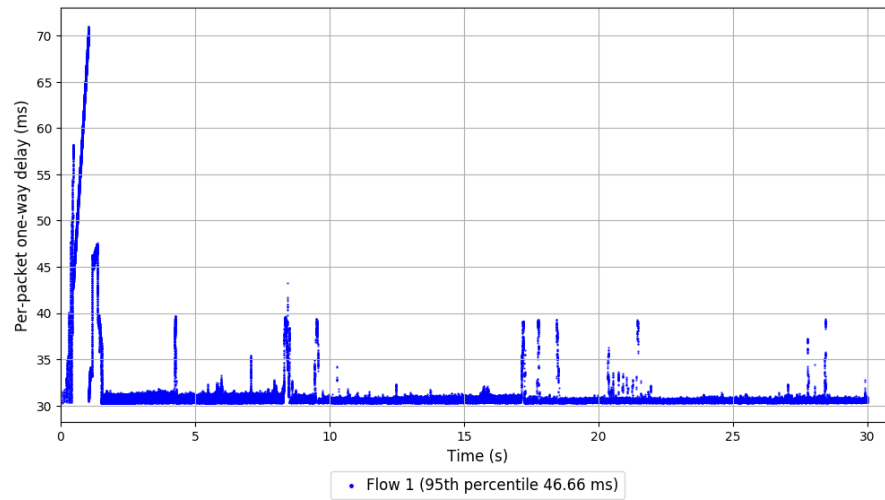
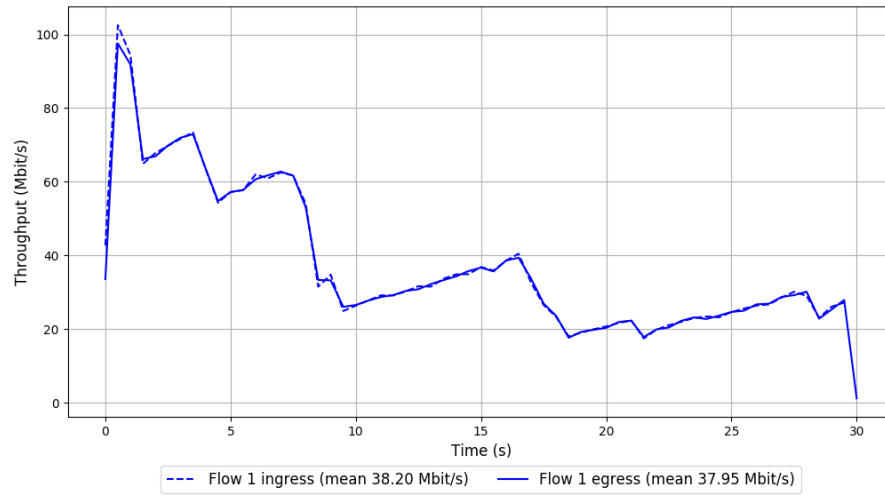


Run 4: Statistics of TCP Cubic

Start at: 2018-02-27 16:40:41
End at: 2018-02-27 16:41:11
Local clock offset: -2.677 ms
Remote clock offset: -3.707 ms

Below is generated by plot.py at 2018-02-27 19:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 46.659 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 46.659 ms
Loss rate: 0.64%

Run 4: Report of TCP Cubic — Data Link

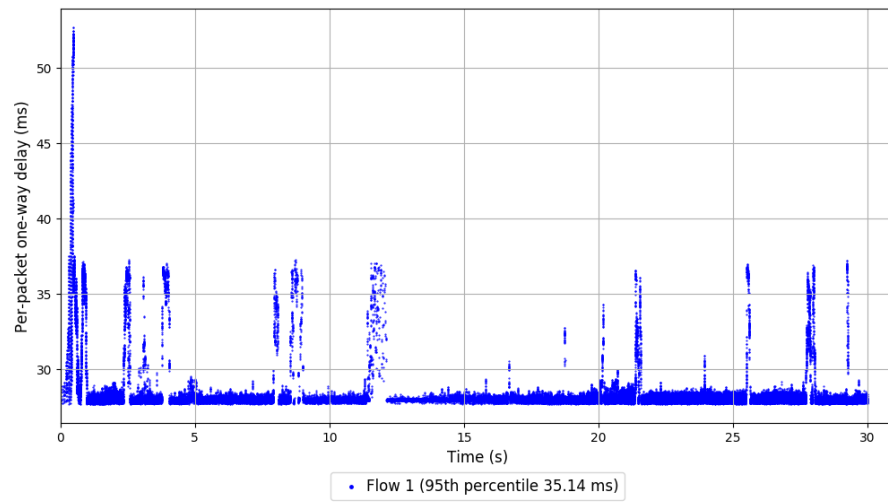
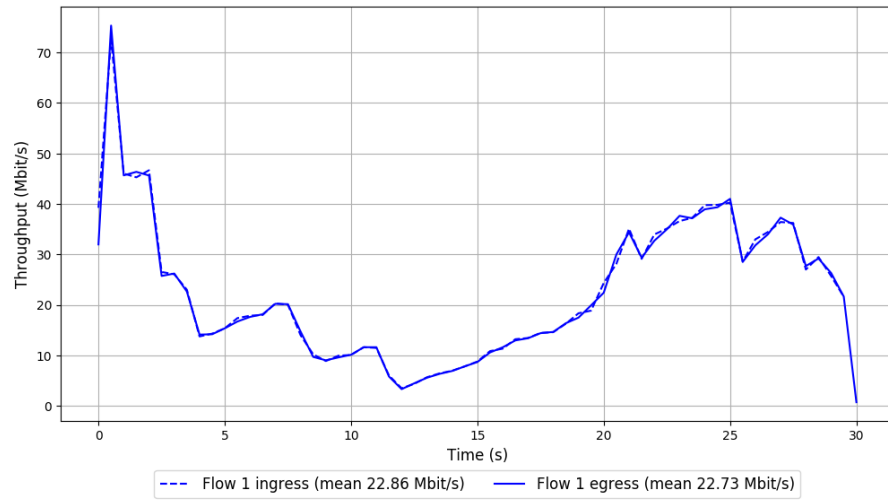


Run 5: Statistics of TCP Cubic

Start at: 2018-02-27 17:06:42
End at: 2018-02-27 17:07:12
Local clock offset: -4.046 ms
Remote clock offset: -6.865 ms

Below is generated by plot.py at 2018-02-27 19:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 35.144 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 35.144 ms
Loss rate: 0.57%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-27 17:35:40

End at: 2018-02-27 17:36:10

Local clock offset: 1.167 ms

Remote clock offset: -7.95 ms

Below is generated by plot.py at 2018-02-27 19:53:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 60.738 ms

Loss rate: 0.35%

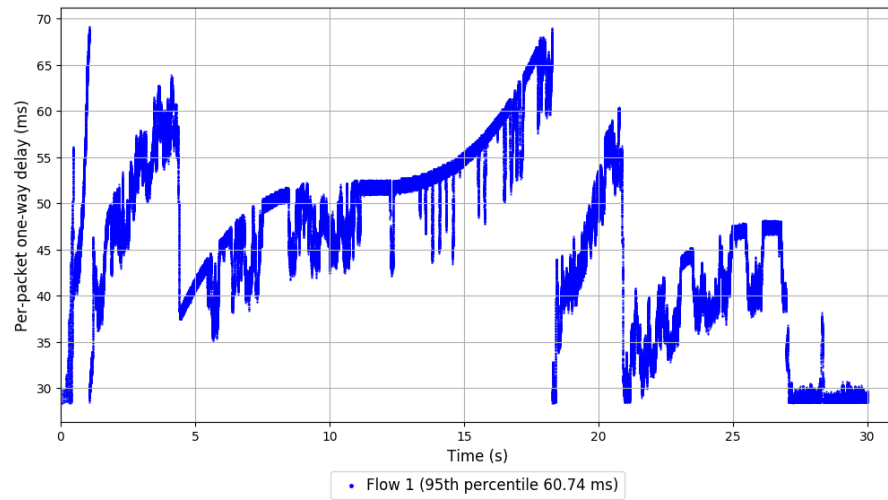
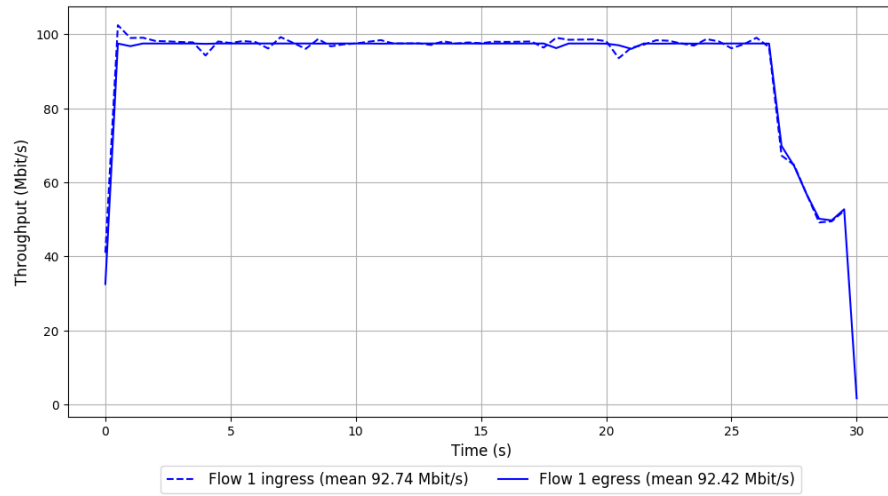
-- Flow 1:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 60.738 ms

Loss rate: 0.35%

Run 6: Report of TCP Cubic — Data Link

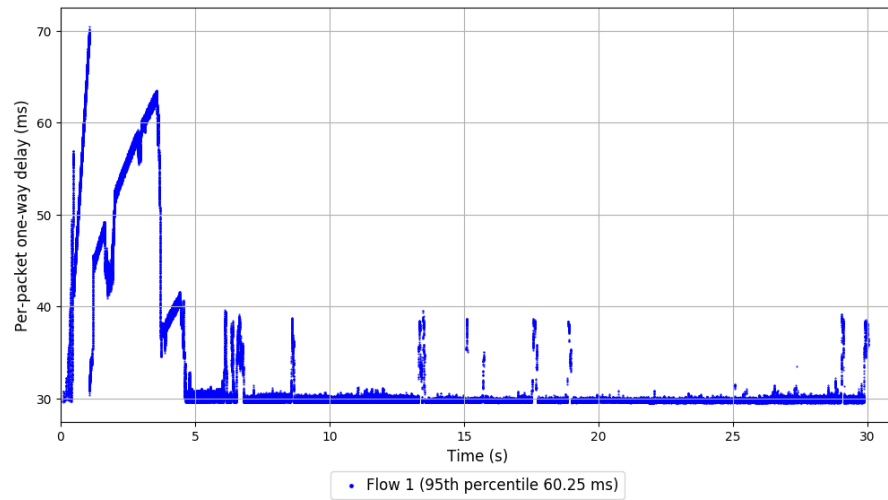
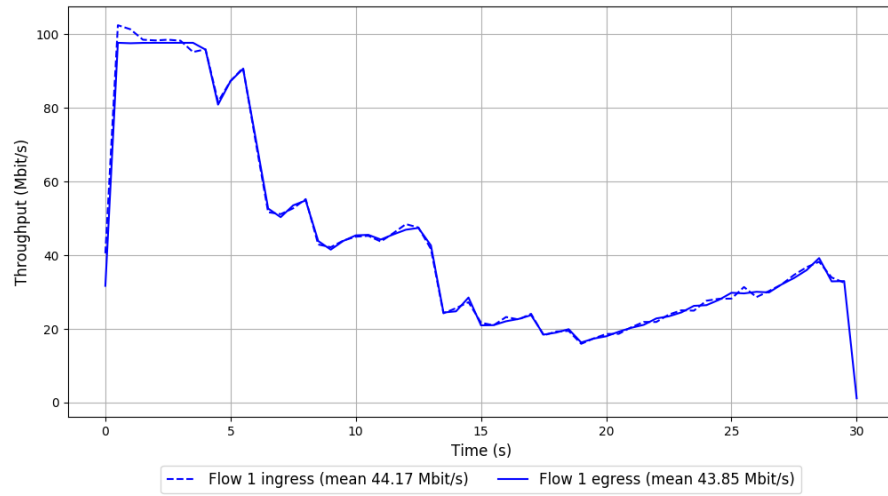


Run 7: Statistics of TCP Cubic

Start at: 2018-02-27 18:02:32
End at: 2018-02-27 18:03:02
Local clock offset: -2.709 ms
Remote clock offset: -6.473 ms

Below is generated by plot.py at 2018-02-27 19:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 60.254 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 60.254 ms
Loss rate: 0.69%

Run 7: Report of TCP Cubic — Data Link

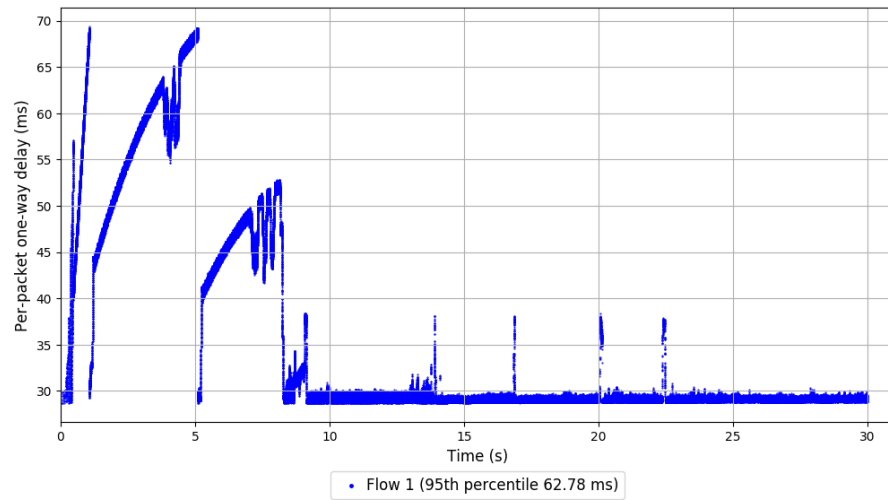
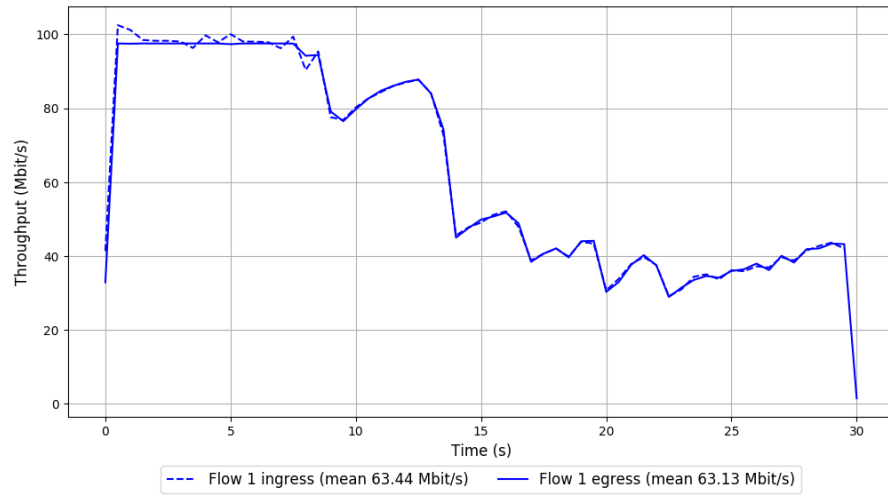


Run 8: Statistics of TCP Cubic

Start at: 2018-02-27 18:28:12
End at: 2018-02-27 18:28:42
Local clock offset: -3.882 ms
Remote clock offset: -5.166 ms

Below is generated by plot.py at 2018-02-27 19:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.13 Mbit/s
95th percentile per-packet one-way delay: 62.784 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 63.13 Mbit/s
95th percentile per-packet one-way delay: 62.784 ms
Loss rate: 0.50%

Run 8: Report of TCP Cubic — Data Link

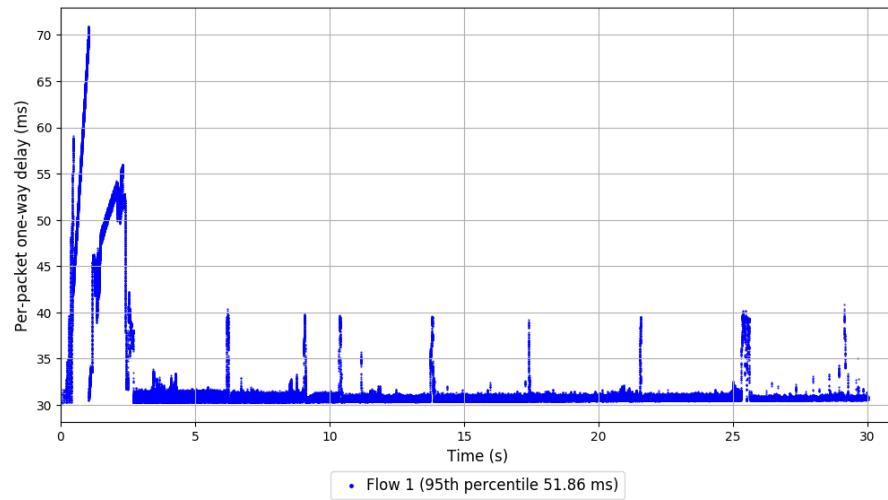
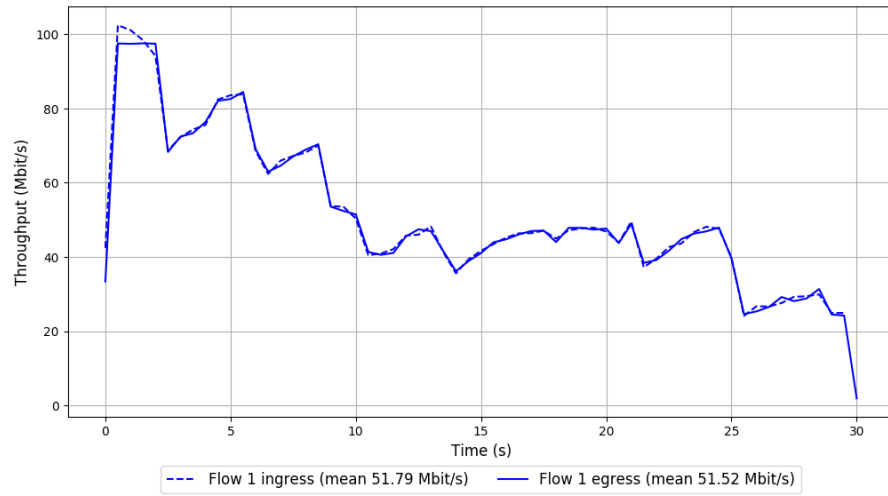


Run 9: Statistics of TCP Cubic

Start at: 2018-02-27 18:54:22
End at: 2018-02-27 18:54:52
Local clock offset: 1.523 ms
Remote clock offset: -1.433 ms

Below is generated by plot.py at 2018-02-27 19:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 51.862 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 51.862 ms
Loss rate: 0.52%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-27 19:21:09

End at: 2018-02-27 19:21:39

Local clock offset: 3.049 ms

Remote clock offset: -9.531 ms

Below is generated by plot.py at 2018-02-27 19:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.87 Mbit/s

95th percentile per-packet one-way delay: 58.266 ms

Loss rate: 0.39%

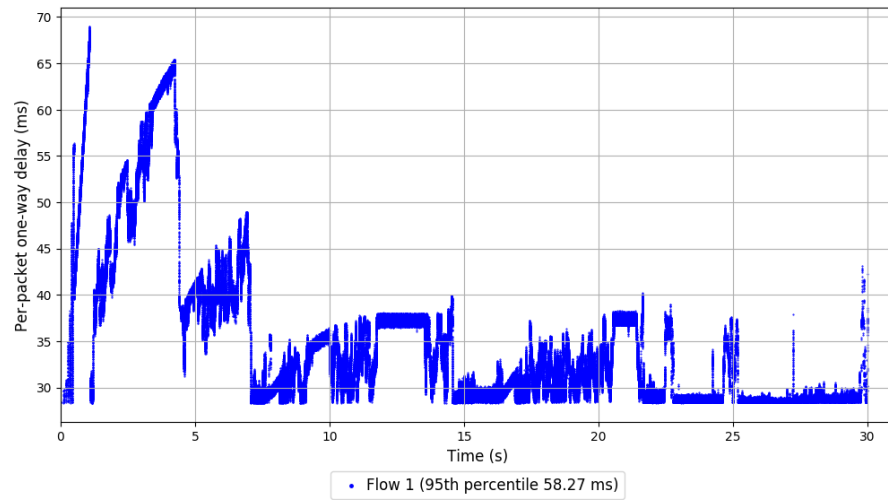
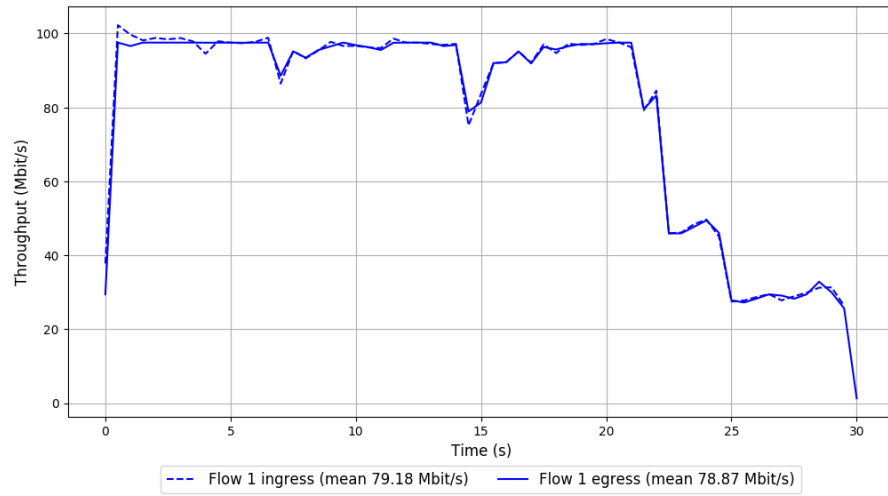
-- Flow 1:

Average throughput: 78.87 Mbit/s

95th percentile per-packet one-way delay: 58.266 ms

Loss rate: 0.39%

Run 10: Report of TCP Cubic — Data Link

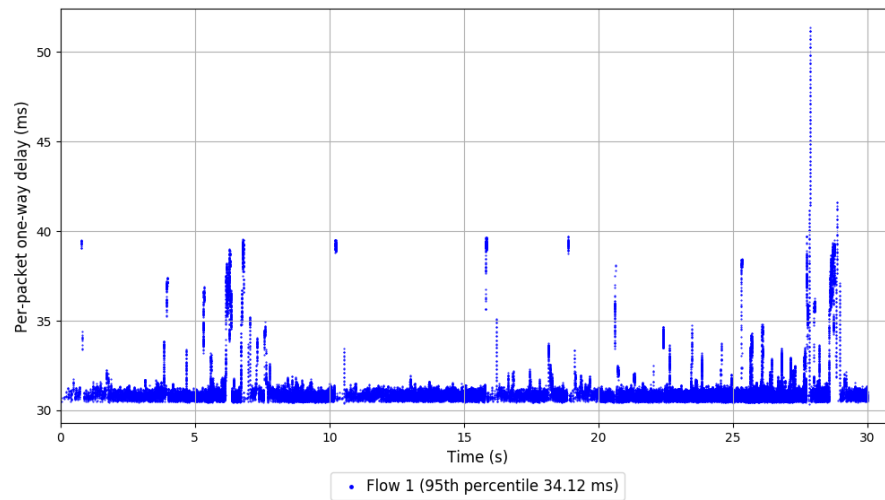
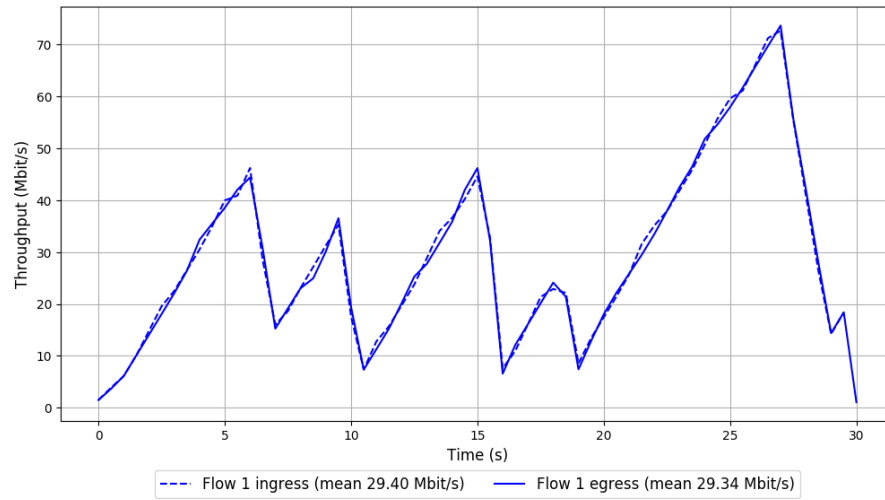


Run 1: Statistics of LEDBAT

Start at: 2018-02-27 15:13:19
End at: 2018-02-27 15:13:49
Local clock offset: -2.887 ms
Remote clock offset: -6.811 ms

Below is generated by plot.py at 2018-02-27 19:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 34.117 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 34.117 ms
Loss rate: 0.20%

Run 1: Report of LEDBAT — Data Link

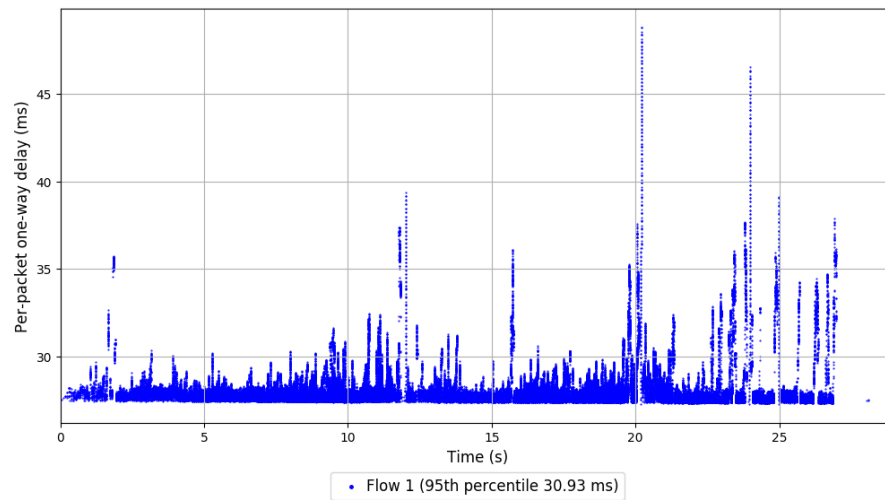
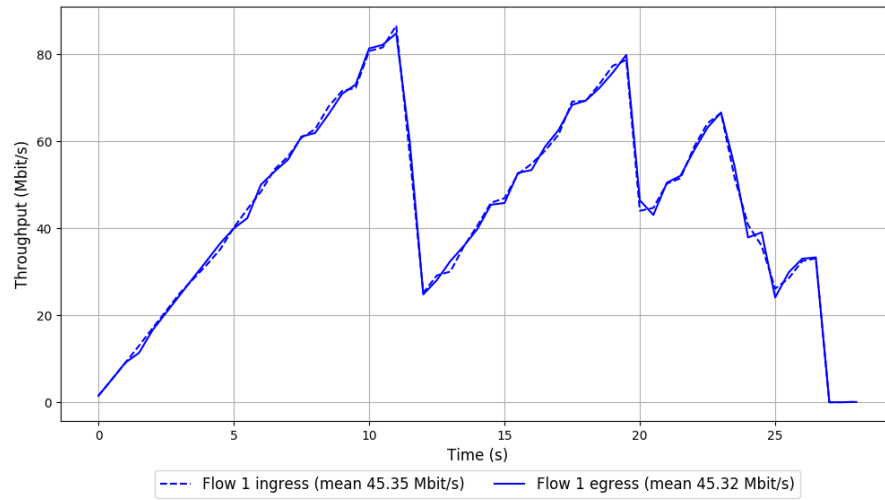


Run 2: Statistics of LEDBAT

Start at: 2018-02-27 15:39:02
End at: 2018-02-27 15:39:32
Local clock offset: -5.476 ms
Remote clock offset: -7.081 ms

Below is generated by plot.py at 2018-02-27 19:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.32 Mbit/s
95th percentile per-packet one-way delay: 30.929 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 45.32 Mbit/s
95th percentile per-packet one-way delay: 30.929 ms
Loss rate: 0.06%

Run 2: Report of LEDBAT — Data Link

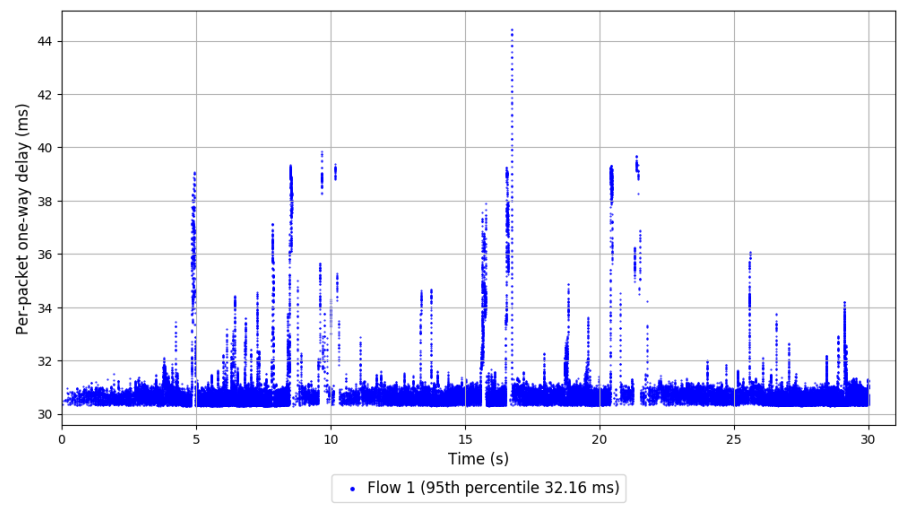
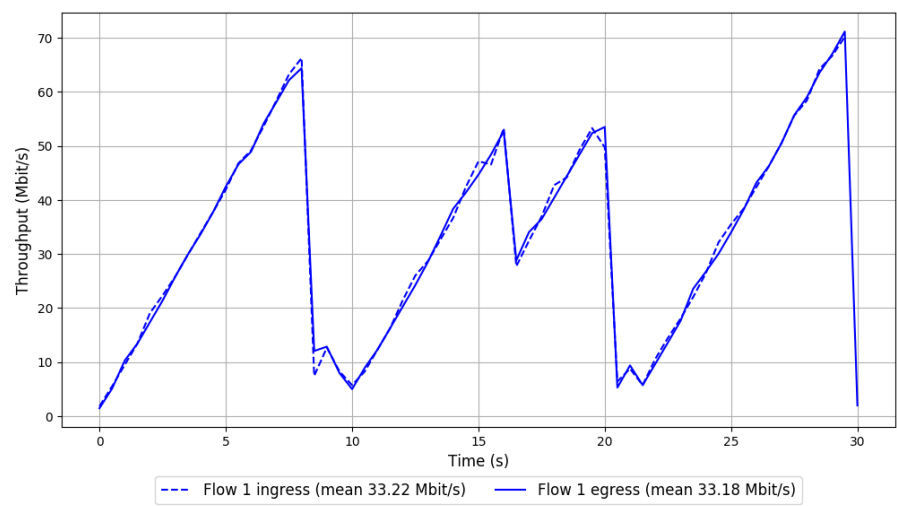


Run 3: Statistics of LEDBAT

Start at: 2018-02-27 16:06:17
End at: 2018-02-27 16:06:47
Local clock offset: -8.008 ms
Remote clock offset: -3.555 ms

Below is generated by plot.py at 2018-02-27 19:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 32.161 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 32.161 ms
Loss rate: 0.12%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-27 16:31:05

End at: 2018-02-27 16:31:35

Local clock offset: -3.257 ms

Remote clock offset: -4.37 ms

Below is generated by plot.py at 2018-02-27 19:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.31 Mbit/s

95th percentile per-packet one-way delay: 32.932 ms

Loss rate: 0.39%

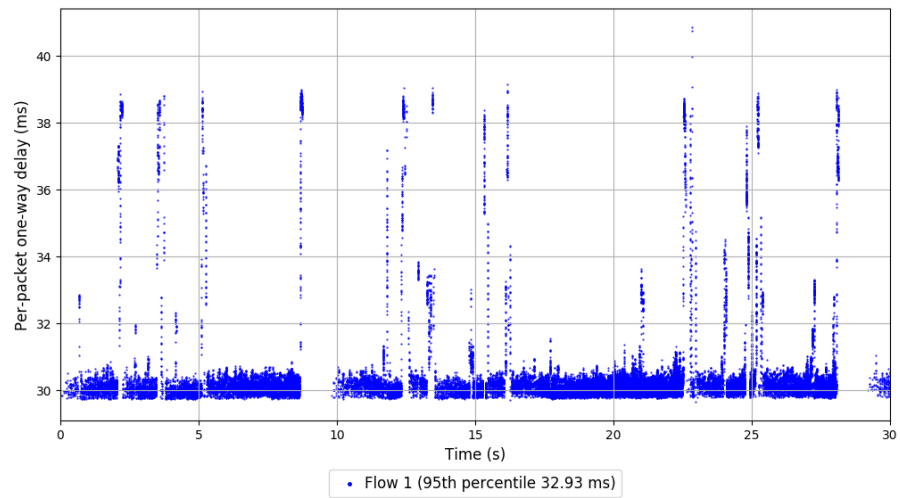
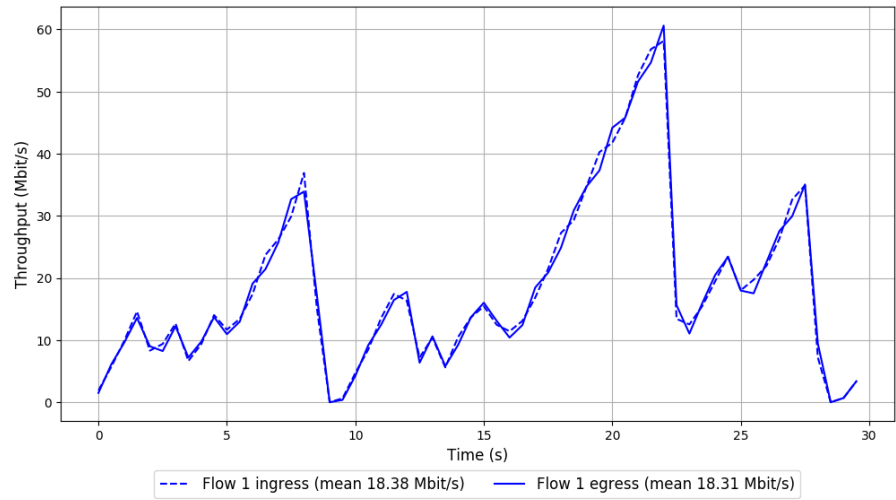
-- Flow 1:

Average throughput: 18.31 Mbit/s

95th percentile per-packet one-way delay: 32.932 ms

Loss rate: 0.39%

Run 4: Report of LEDBAT — Data Link

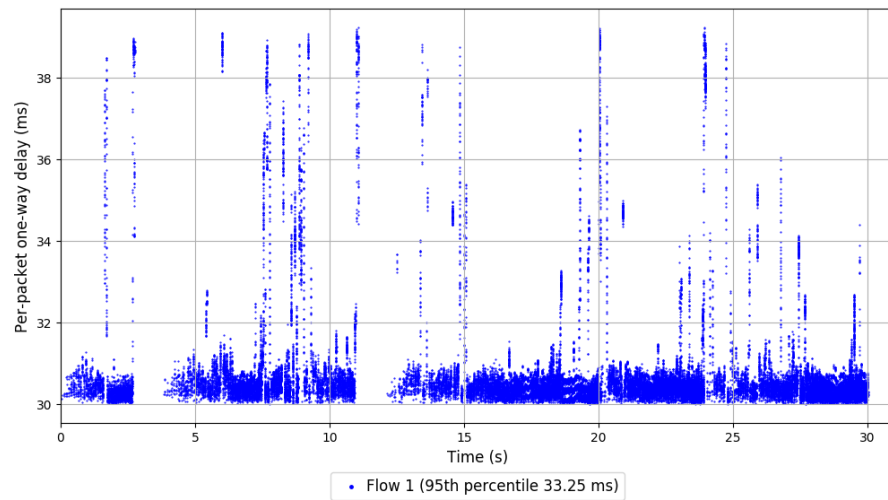
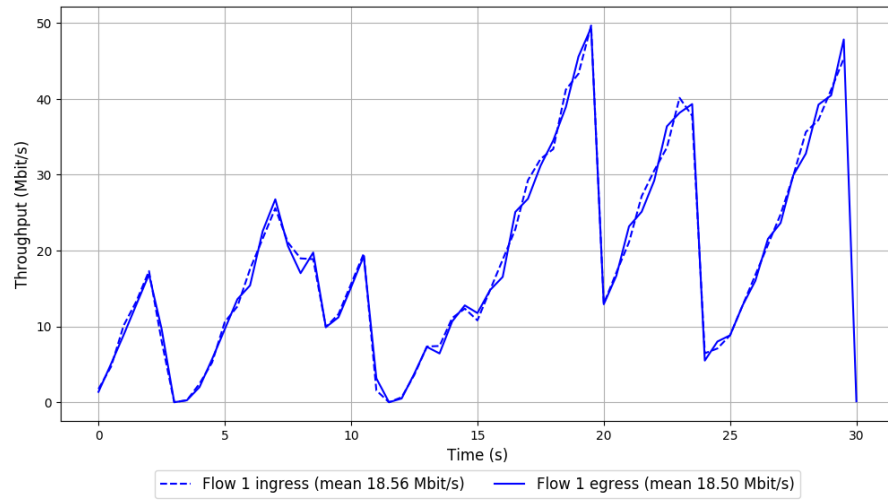


Run 5: Statistics of LEDBAT

Start at: 2018-02-27 16:56:13
End at: 2018-02-27 16:56:43
Local clock offset: -3.812 ms
Remote clock offset: -4.193 ms

Below is generated by plot.py at 2018-02-27 19:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.50 Mbit/s
95th percentile per-packet one-way delay: 33.253 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 18.50 Mbit/s
95th percentile per-packet one-way delay: 33.253 ms
Loss rate: 0.33%

Run 5: Report of LEDBAT — Data Link

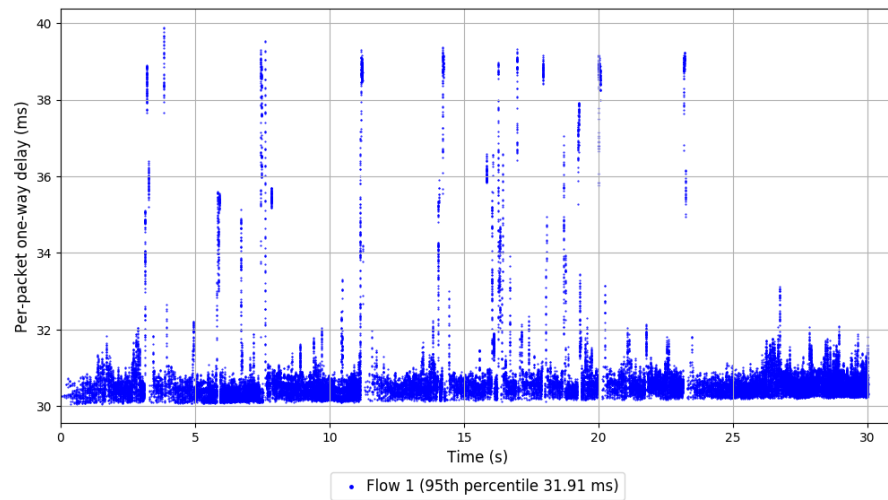
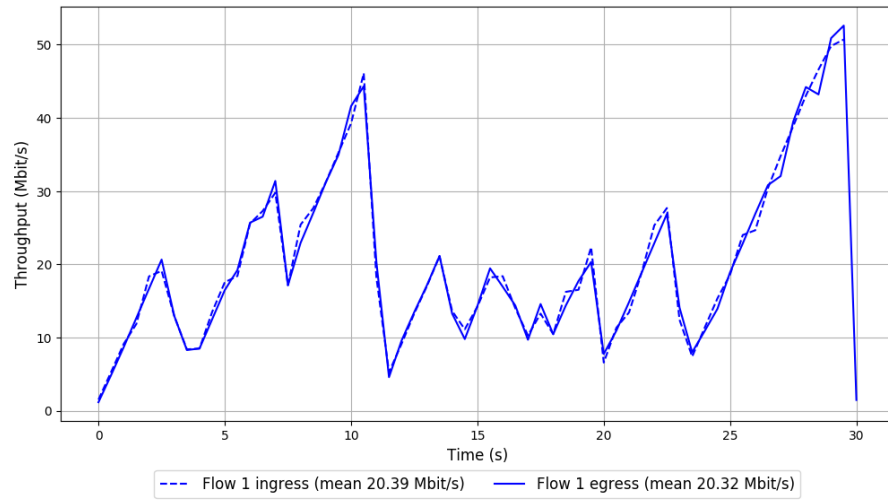


Run 6: Statistics of LEDBAT

Start at: 2018-02-27 17:22:43
End at: 2018-02-27 17:23:13
Local clock offset: -1.591 ms
Remote clock offset: -5.118 ms

Below is generated by plot.py at 2018-02-27 19:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 31.908 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 31.908 ms
Loss rate: 0.31%

Run 6: Report of LEDBAT — Data Link

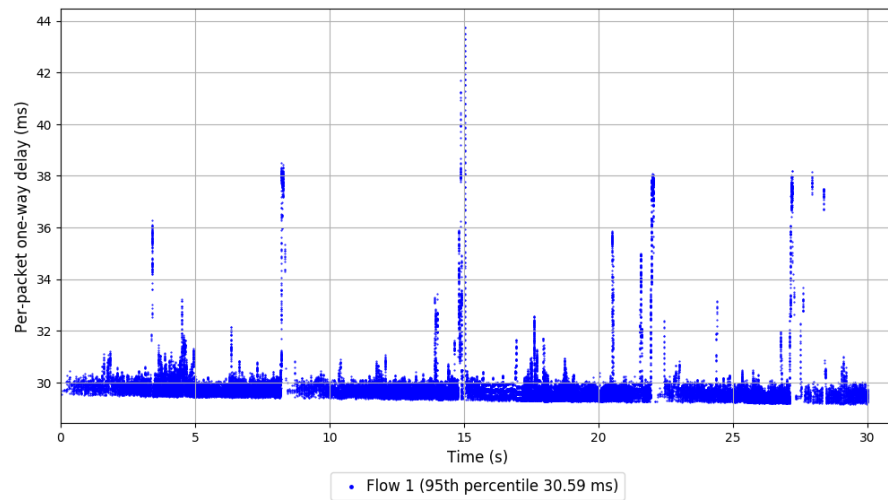
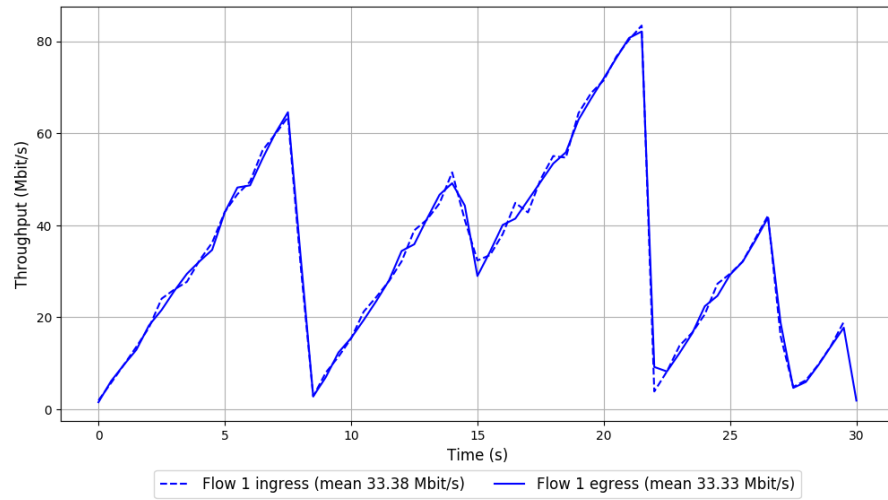


Run 7: Statistics of LEDBAT

Start at: 2018-02-27 17:52:40
End at: 2018-02-27 17:53:10
Local clock offset: 1.71 ms
Remote clock offset: -6.354 ms

Below is generated by plot.py at 2018-02-27 19:53:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 30.585 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 30.585 ms
Loss rate: 0.16%

Run 7: Report of LEDBAT — Data Link

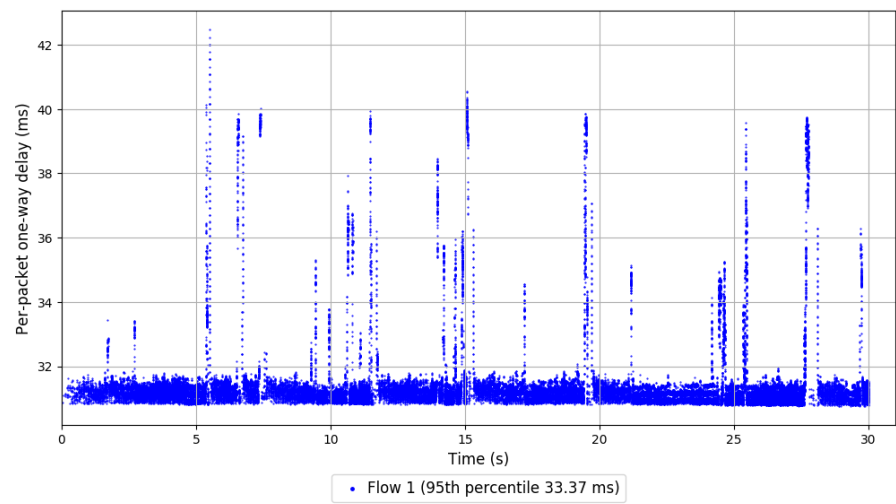
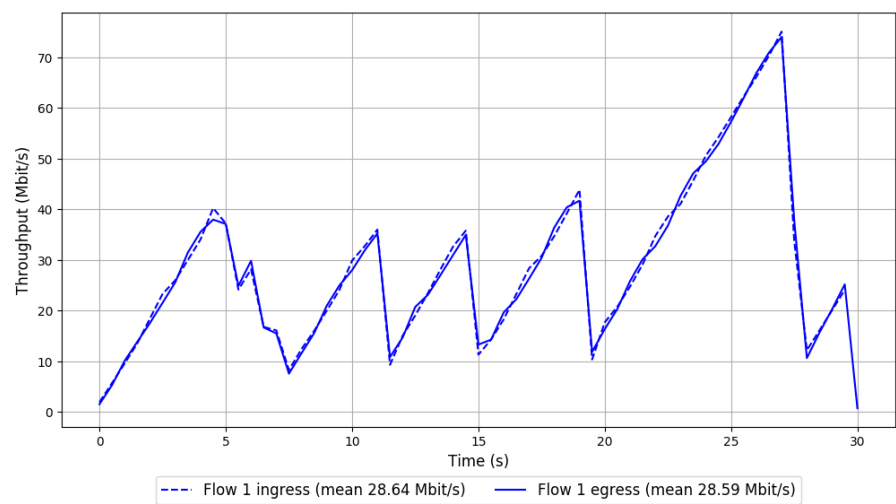


Run 8: Statistics of LEDBAT

Start at: 2018-02-27 18:17:41
End at: 2018-02-27 18:18:11
Local clock offset: -4.855 ms
Remote clock offset: -6.424 ms

Below is generated by plot.py at 2018-02-27 19:53:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.59 Mbit/s
95th percentile per-packet one-way delay: 33.371 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 28.59 Mbit/s
95th percentile per-packet one-way delay: 33.371 ms
Loss rate: 0.18%

Run 8: Report of LEDBAT — Data Link

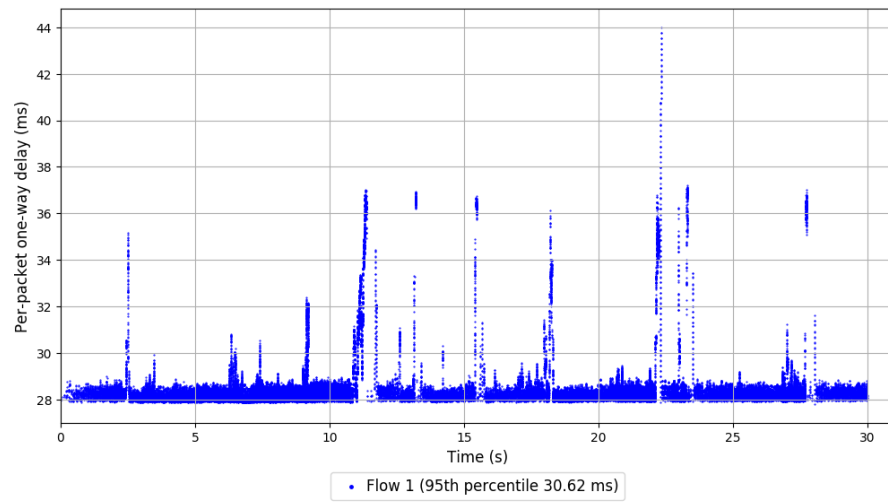
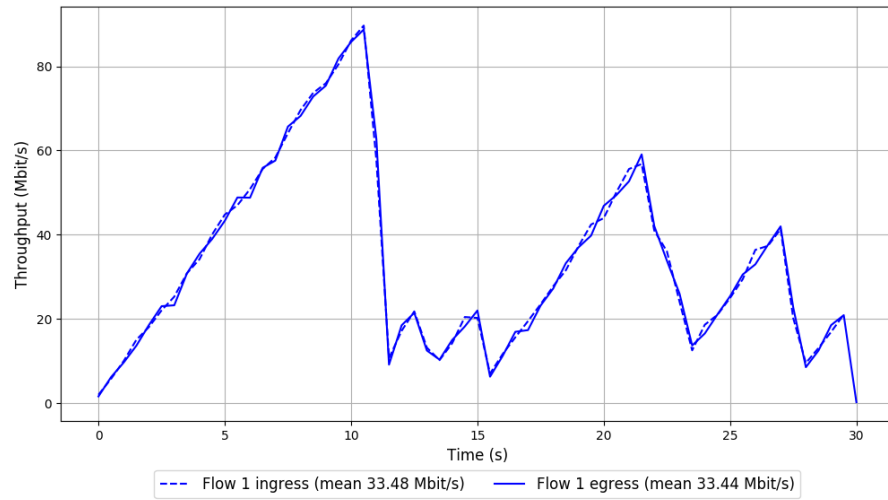


Run 9: Statistics of LEDBAT

Start at: 2018-02-27 18:44:03
End at: 2018-02-27 18:44:33
Local clock offset: 0.357 ms
Remote clock offset: -3.282 ms

Below is generated by plot.py at 2018-02-27 19:53:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 30.624 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 30.624 ms
Loss rate: 0.12%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-27 19:09:52

End at: 2018-02-27 19:10:22

Local clock offset: 2.399 ms

Remote clock offset: -8.061 ms

Below is generated by plot.py at 2018-02-27 19:53:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.18 Mbit/s

95th percentile per-packet one-way delay: 30.846 ms

Loss rate: 0.23%

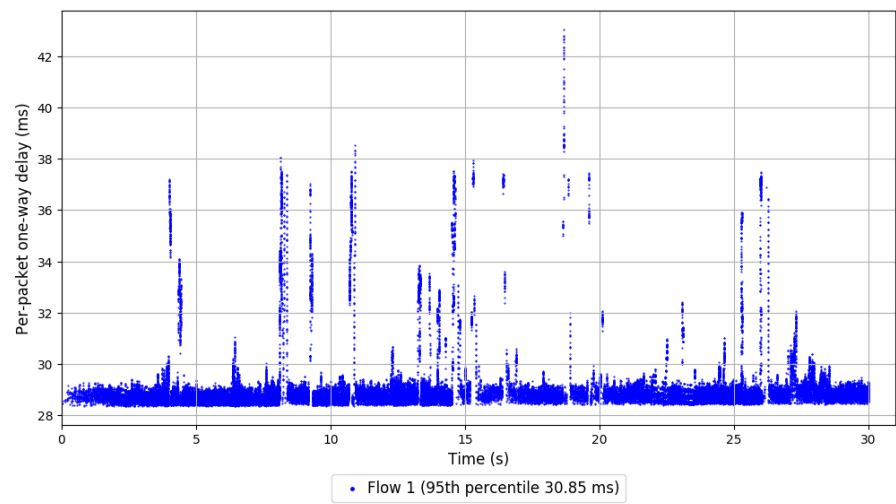
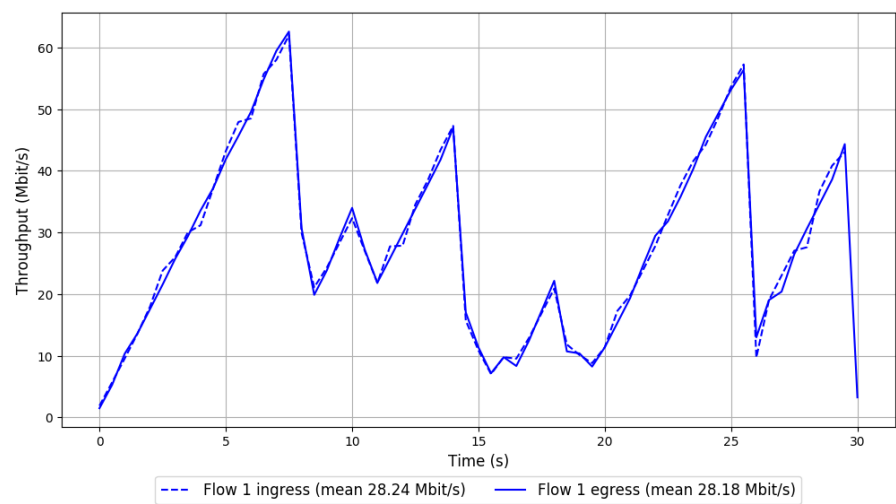
-- Flow 1:

Average throughput: 28.18 Mbit/s

95th percentile per-packet one-way delay: 30.846 ms

Loss rate: 0.23%

Run 10: Report of LEDBAT — Data Link

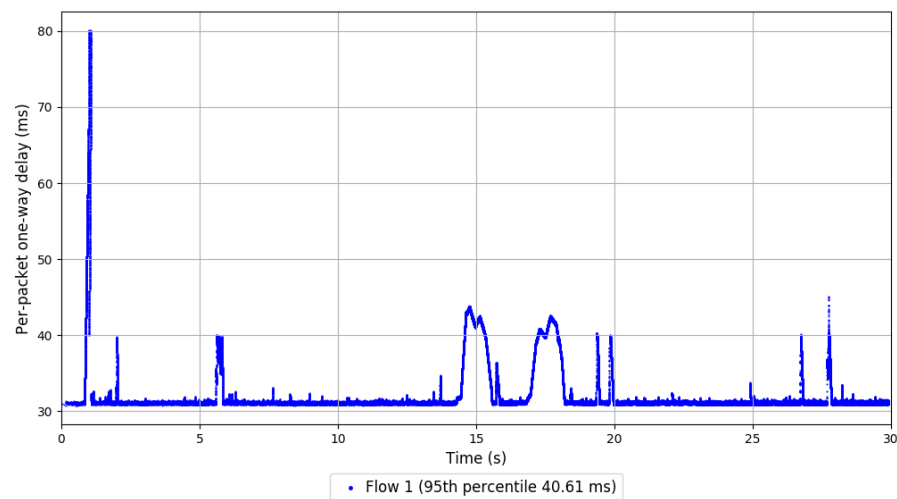
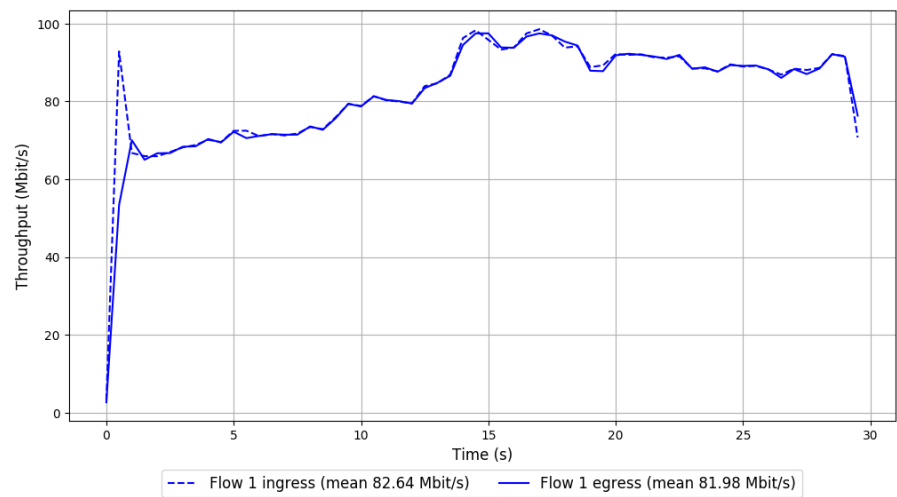


Run 1: Statistics of PCC

Start at: 2018-02-27 15:06:15
End at: 2018-02-27 15:06:45
Local clock offset: -1.29 ms
Remote clock offset: -5.017 ms

Below is generated by plot.py at 2018-02-27 19:54:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: 40.614 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: 40.614 ms
Loss rate: 0.80%

Run 1: Report of PCC — Data Link

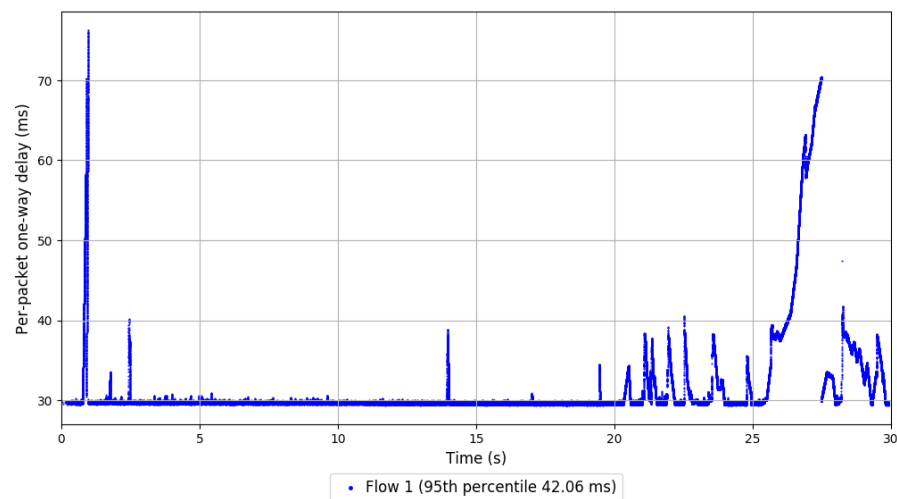
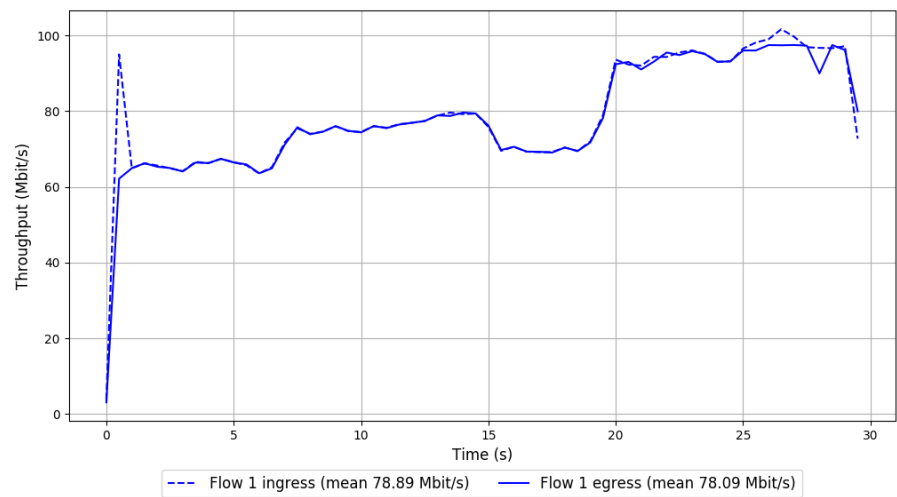


Run 2: Statistics of PCC

Start at: 2018-02-27 15:31:59
End at: 2018-02-27 15:32:29
Local clock offset: -4.683 ms
Remote clock offset: -6.877 ms

Below is generated by plot.py at 2018-02-27 19:54:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 42.058 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 42.058 ms
Loss rate: 1.02%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-27 15:59:22

End at: 2018-02-27 15:59:52

Local clock offset: -7.504 ms

Remote clock offset: -3.13 ms

Below is generated by plot.py at 2018-02-27 19:54:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 40.012 ms

Loss rate: 1.11%

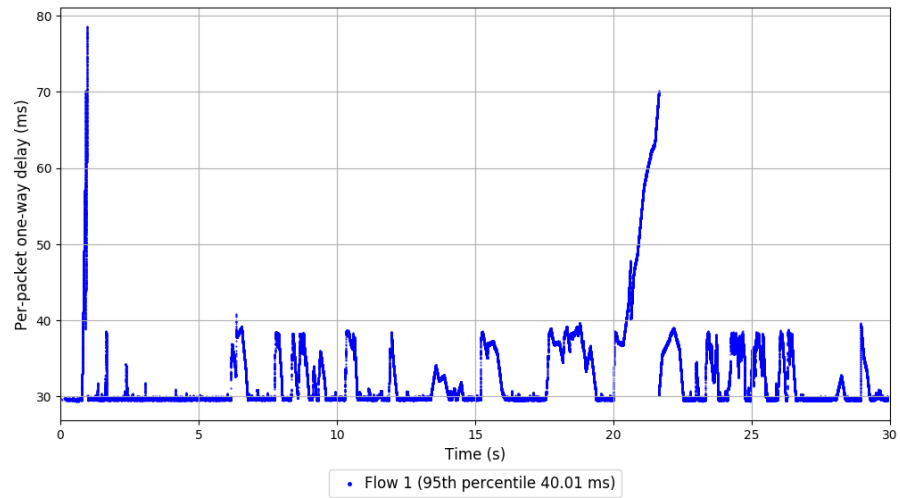
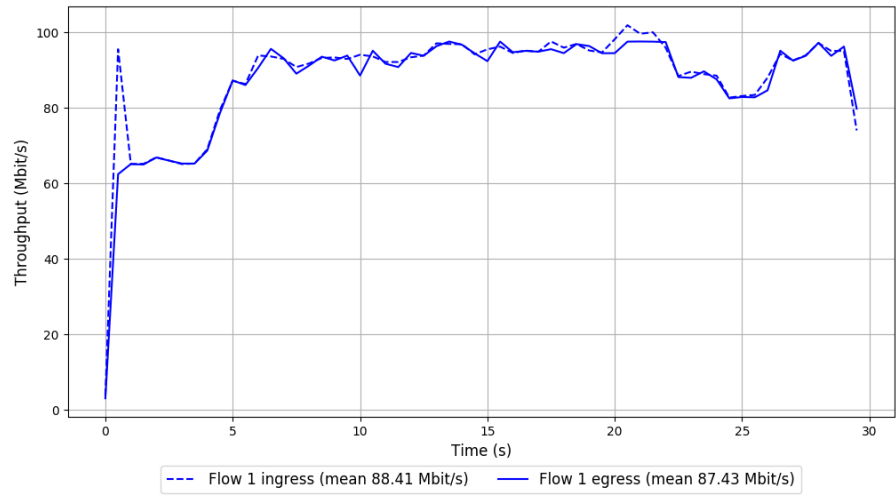
-- Flow 1:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 40.012 ms

Loss rate: 1.11%

Run 3: Report of PCC — Data Link

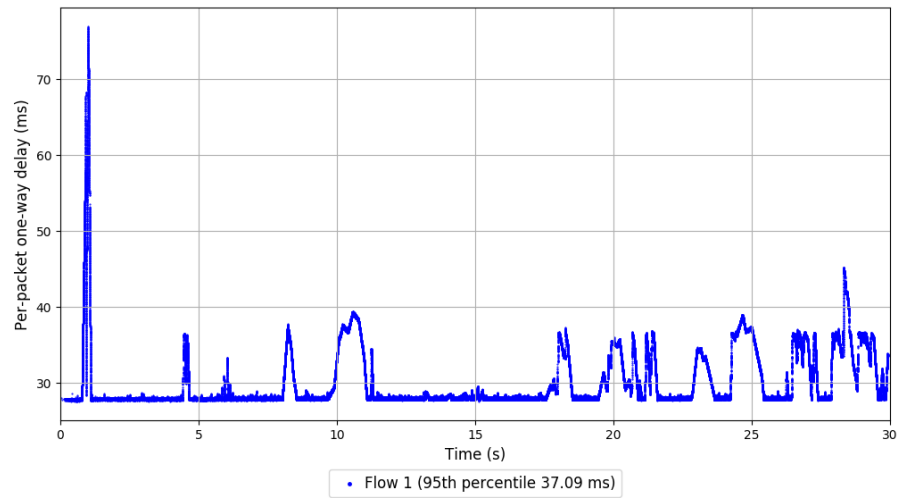
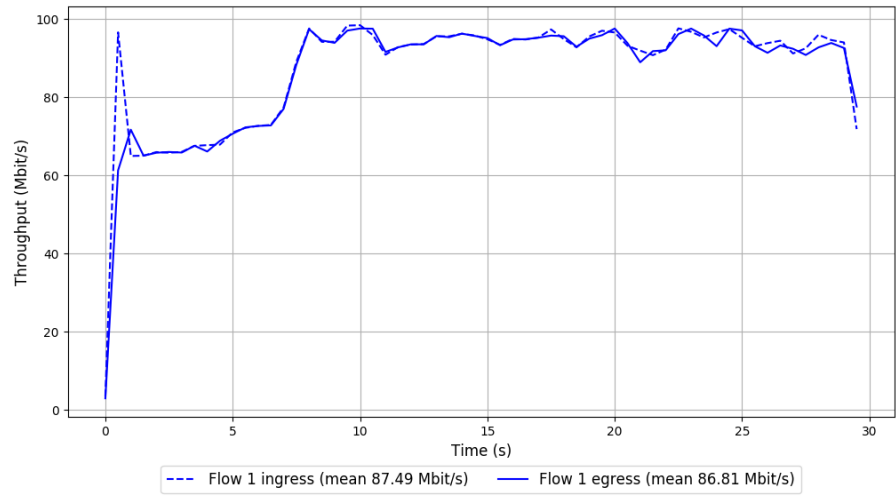


Run 4: Statistics of PCC

Start at: 2018-02-27 16:24:30
End at: 2018-02-27 16:25:00
Local clock offset: -3.897 ms
Remote clock offset: -6.412 ms

Below is generated by plot.py at 2018-02-27 19:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 37.086 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 37.086 ms
Loss rate: 0.76%

Run 4: Report of PCC — Data Link

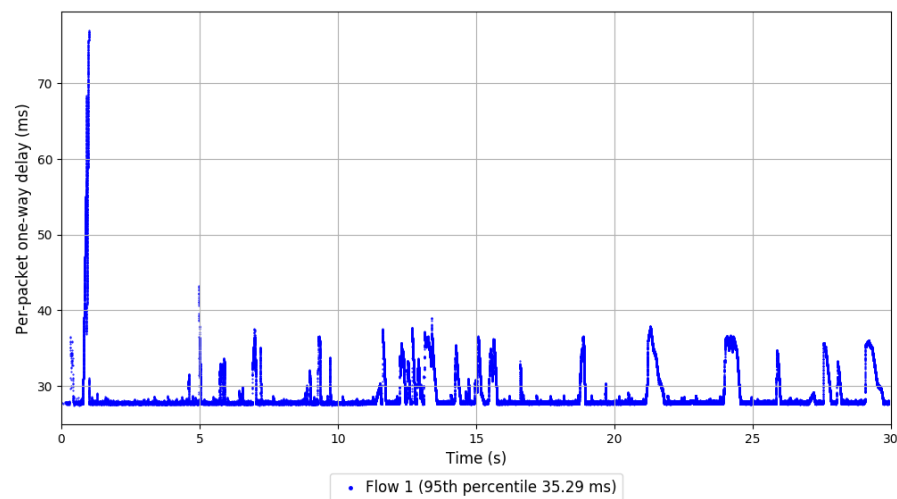
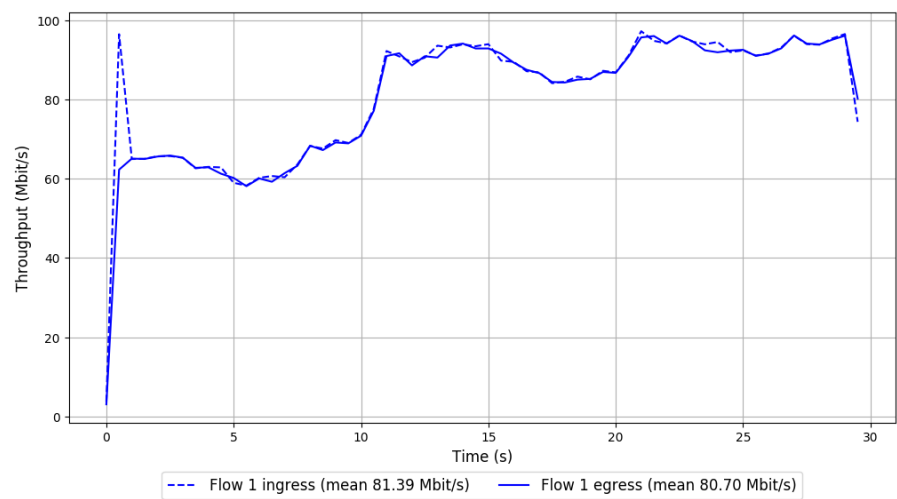


Run 5: Statistics of PCC

Start at: 2018-02-27 16:49:13
End at: 2018-02-27 16:49:43
Local clock offset: -3.332 ms
Remote clock offset: -6.288 ms

Below is generated by plot.py at 2018-02-27 19:54:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.70 Mbit/s
95th percentile per-packet one-way delay: 35.292 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 80.70 Mbit/s
95th percentile per-packet one-way delay: 35.292 ms
Loss rate: 0.84%

Run 5: Report of PCC — Data Link

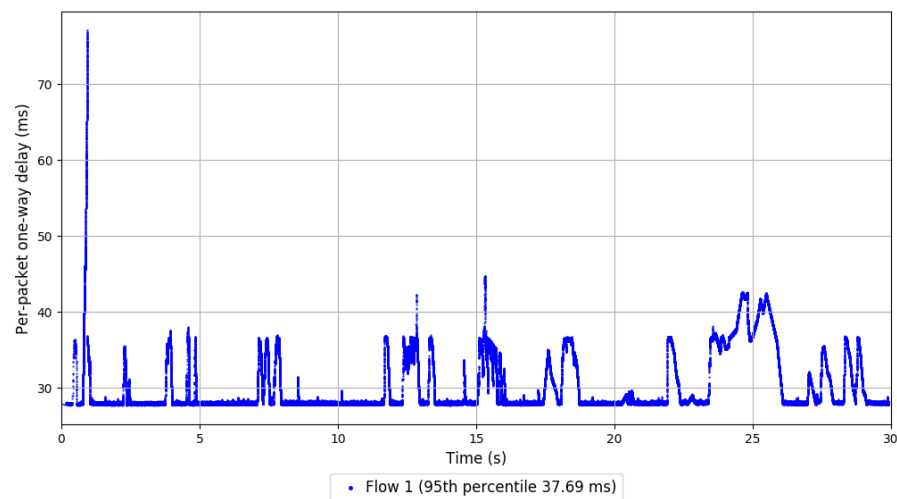
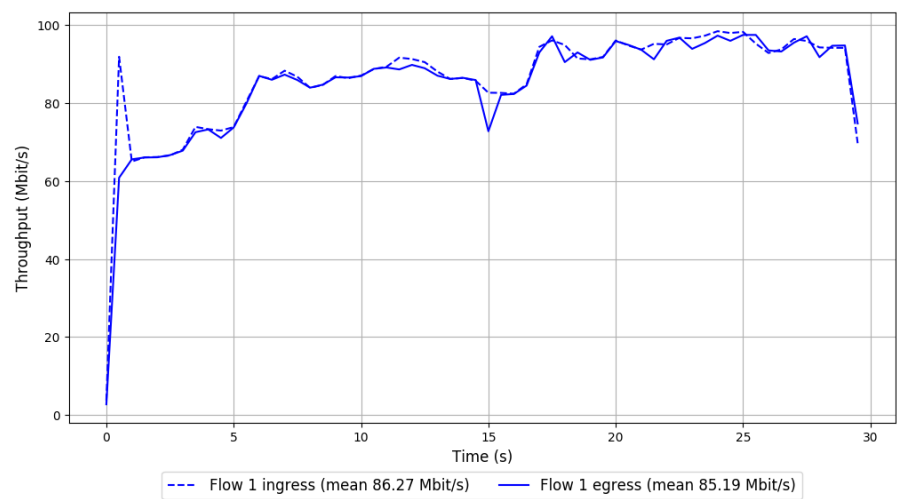


Run 6: Statistics of PCC

Start at: 2018-02-27 17:15:38
End at: 2018-02-27 17:16:08
Local clock offset: -4.159 ms
Remote clock offset: -7.143 ms

Below is generated by plot.py at 2018-02-27 19:54:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 37.689 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 37.689 ms
Loss rate: 1.25%

Run 6: Report of PCC — Data Link

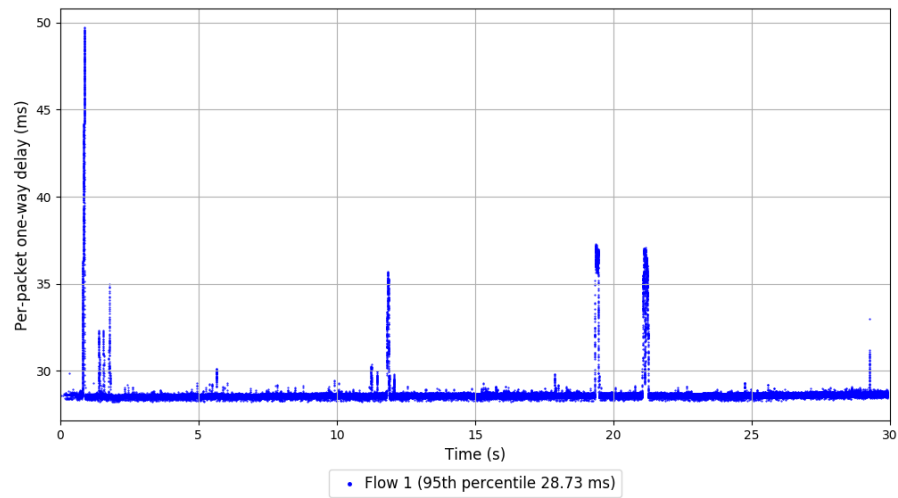
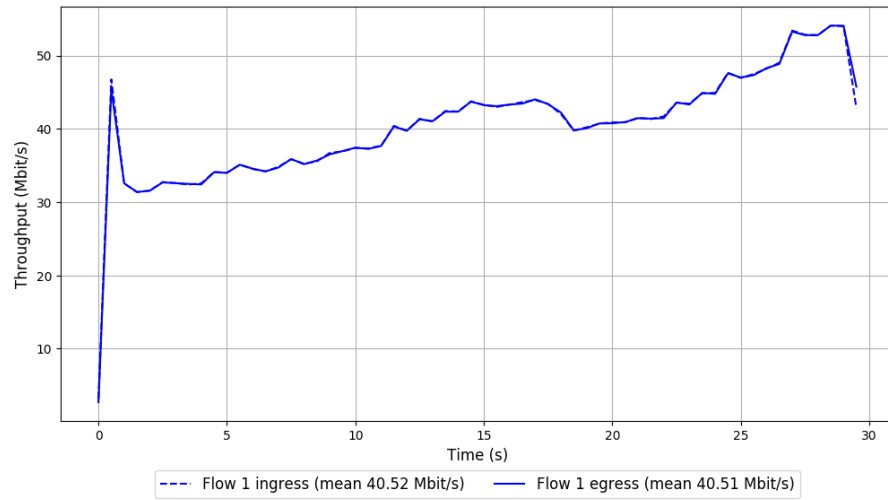


Run 7: Statistics of PCC

Start at: 2018-02-27 17:45:40
End at: 2018-02-27 17:46:10
Local clock offset: 2.261 ms
Remote clock offset: -8.298 ms

Below is generated by plot.py at 2018-02-27 19:54:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 28.733 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 28.733 ms
Loss rate: 0.01%

Run 7: Report of PCC — Data Link

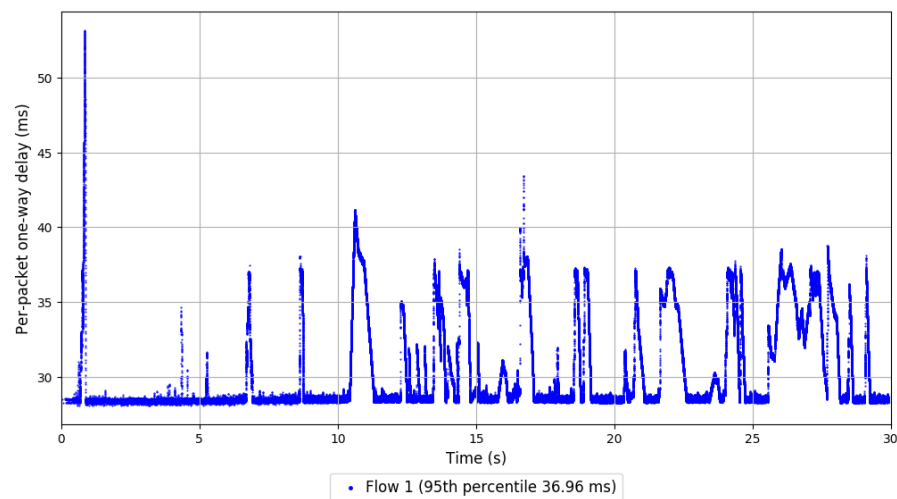
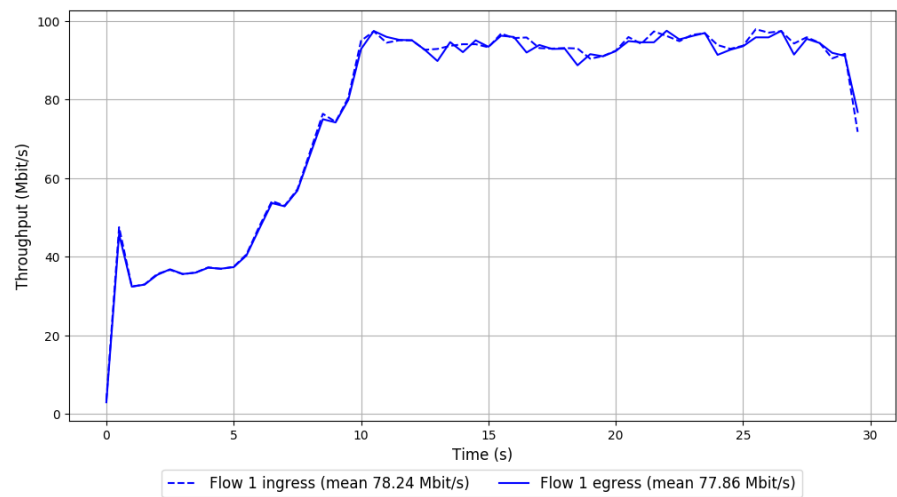


Run 8: Statistics of PCC

Start at: 2018-02-27 18:10:59
End at: 2018-02-27 18:11:29
Local clock offset: -4.142 ms
Remote clock offset: -8.611 ms

Below is generated by plot.py at 2018-02-27 19:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.86 Mbit/s
95th percentile per-packet one-way delay: 36.964 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 77.86 Mbit/s
95th percentile per-packet one-way delay: 36.964 ms
Loss rate: 0.49%

Run 8: Report of PCC — Data Link

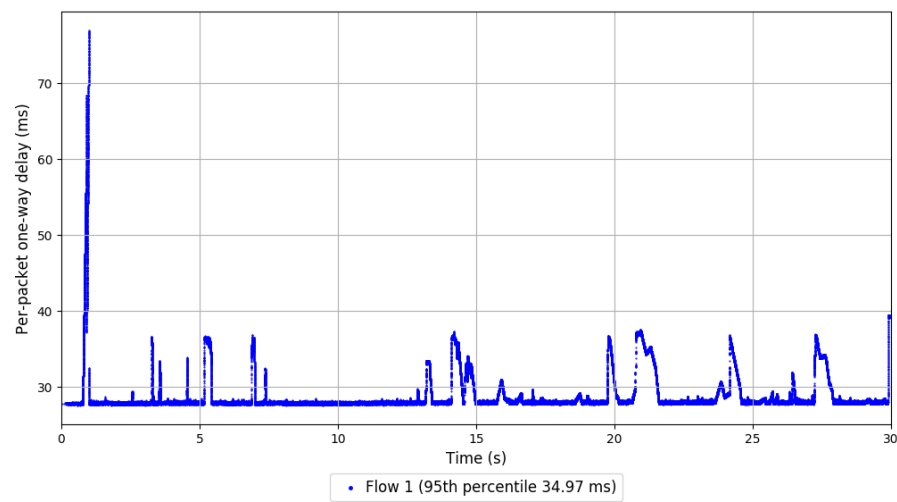
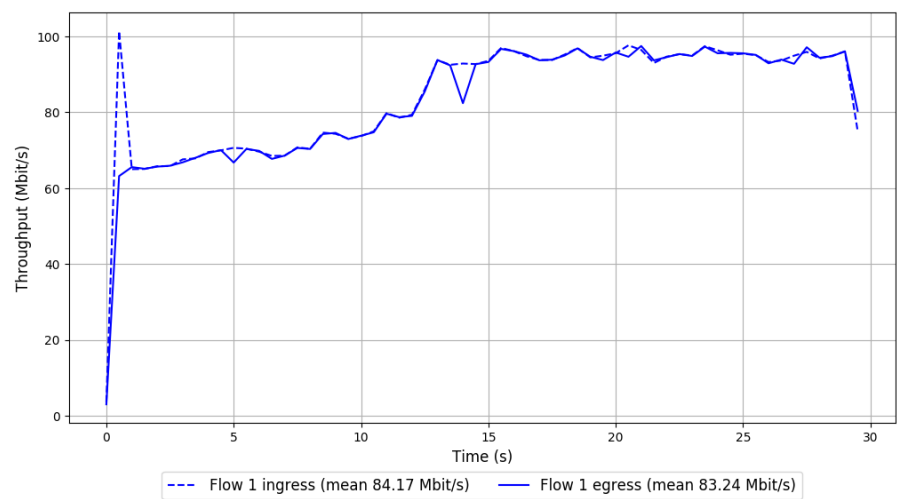


Run 9: Statistics of PCC

Start at: 2018-02-27 18:37:20
End at: 2018-02-27 18:37:50
Local clock offset: -0.744 ms
Remote clock offset: -3.901 ms

Below is generated by plot.py at 2018-02-27 19:55:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 34.972 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 34.972 ms
Loss rate: 1.07%

Run 9: Report of PCC — Data Link

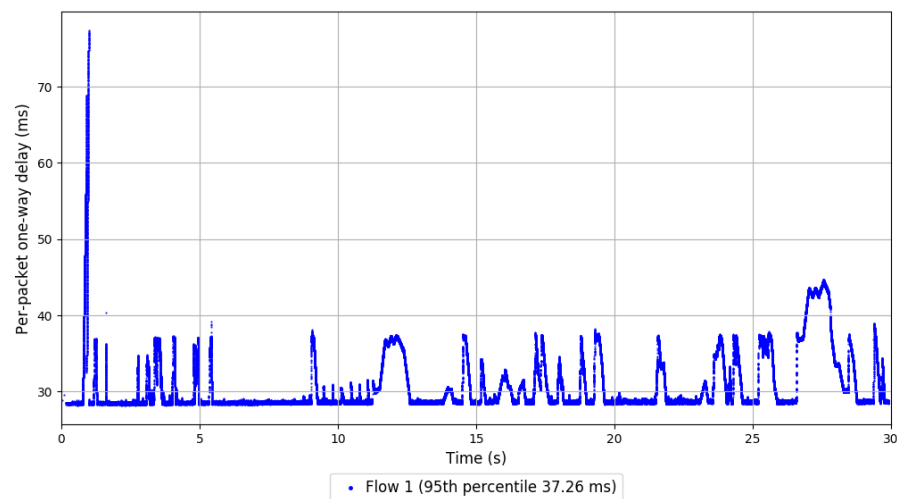
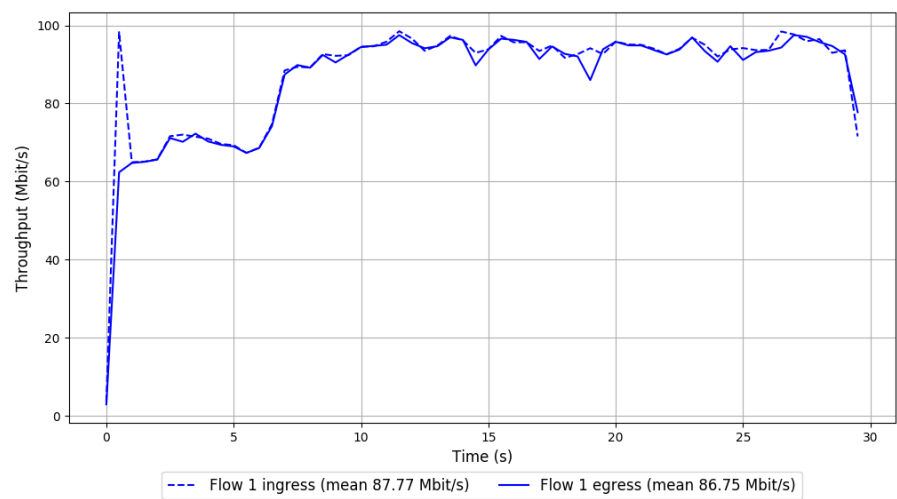


Run 10: Statistics of PCC

Start at: 2018-02-27 19:02:59
End at: 2018-02-27 19:03:29
Local clock offset: 2.091 ms
Remote clock offset: -6.906 ms

Below is generated by plot.py at 2018-02-27 19:56:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 37.264 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 37.264 ms
Loss rate: 1.17%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

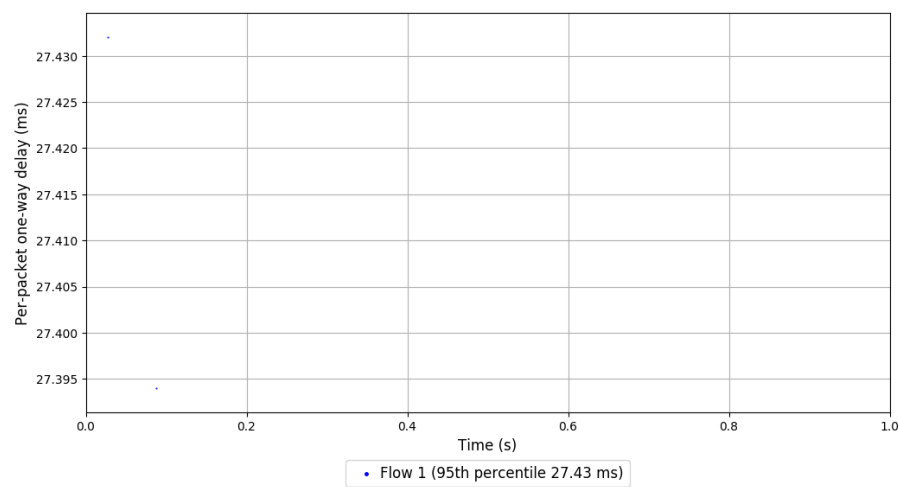
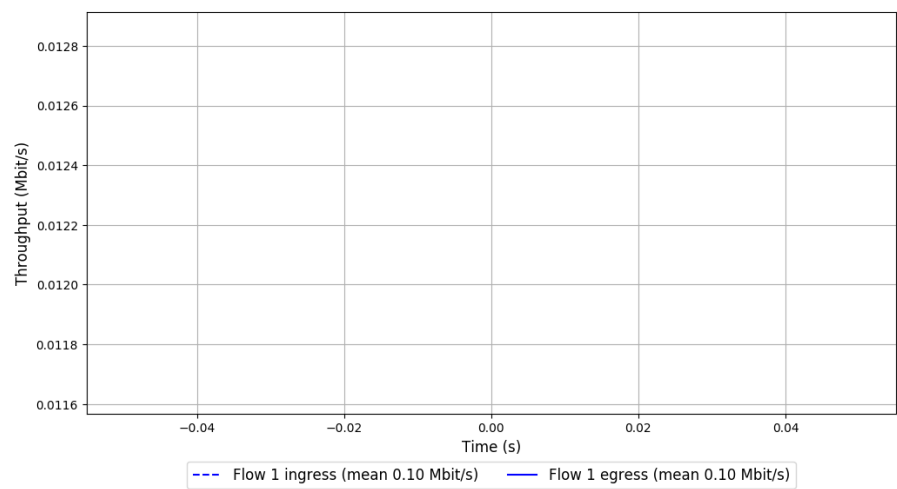
Start at: 2018-02-27 15:03:37

End at: 2018-02-27 15:04:07

Local clock offset: -0.257 ms

Remote clock offset: -6.944 ms

Run 1: Report of QUIC Cubic — Data Link

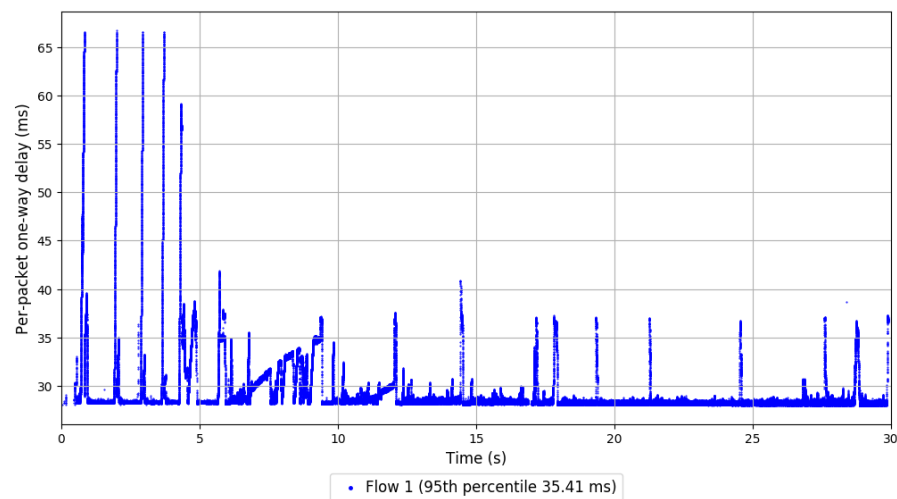
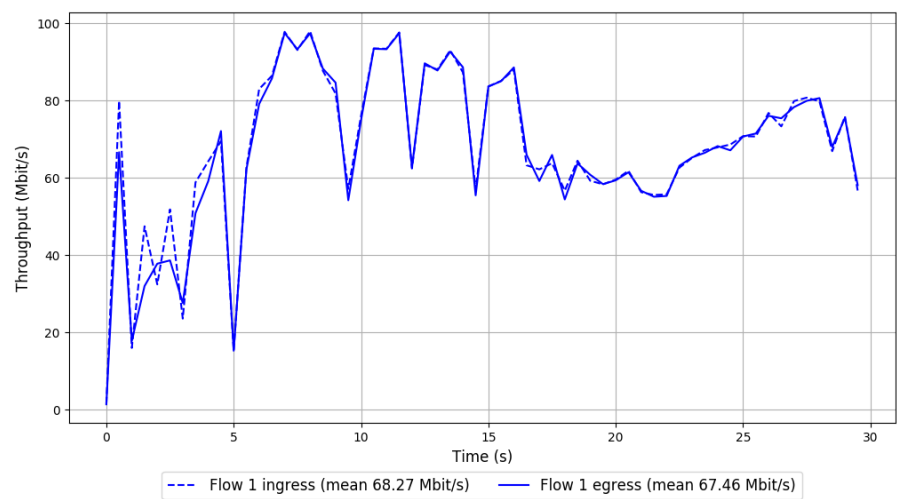


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-27 15:29:04
End at: 2018-02-27 15:29:34
Local clock offset: -4.525 ms
Remote clock offset: -10.124 ms

Below is generated by plot.py at 2018-02-27 19:56:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.46 Mbit/s
95th percentile per-packet one-way delay: 35.410 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 67.46 Mbit/s
95th percentile per-packet one-way delay: 35.410 ms
Loss rate: 1.15%

Run 2: Report of QUIC Cubic — Data Link

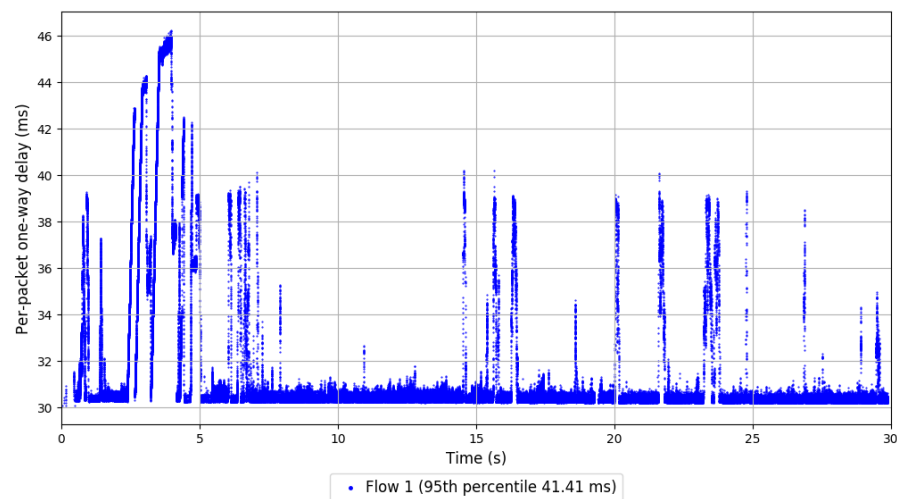
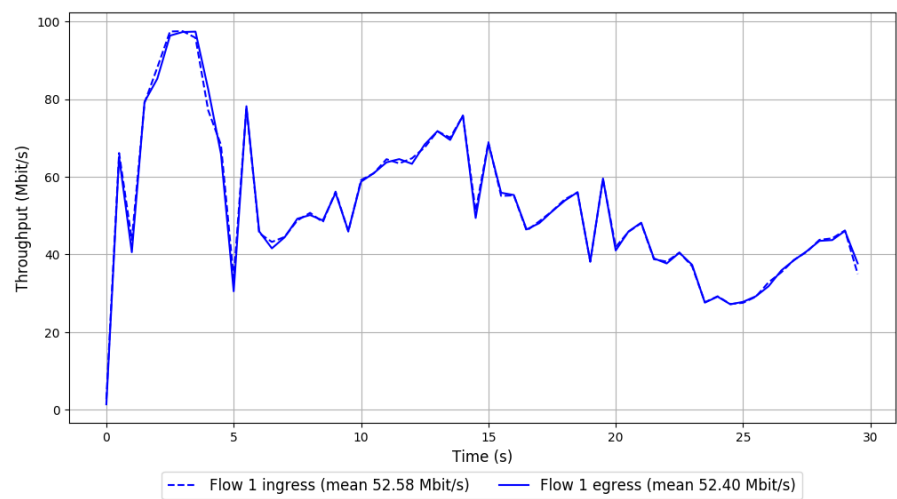


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-27 15:56:21
End at: 2018-02-27 15:56:51
Local clock offset: -7.279 ms
Remote clock offset: -3.227 ms

Below is generated by plot.py at 2018-02-27 19:56:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 41.410 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 41.410 ms
Loss rate: 0.35%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-27 16:21:44

End at: 2018-02-27 16:22:14

Local clock offset: -4.189 ms

Remote clock offset: -6.422 ms

Below is generated by plot.py at 2018-02-27 19:56:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.00 Mbit/s

95th percentile per-packet one-way delay: 48.413 ms

Loss rate: 0.73%

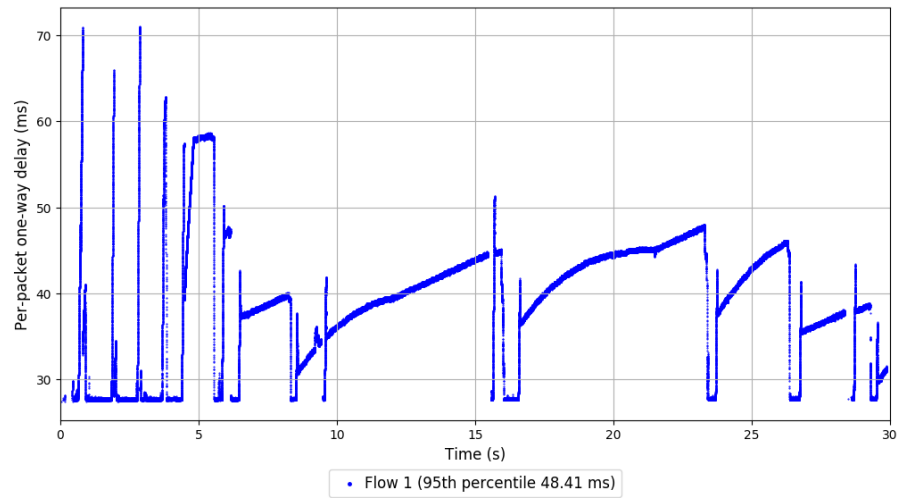
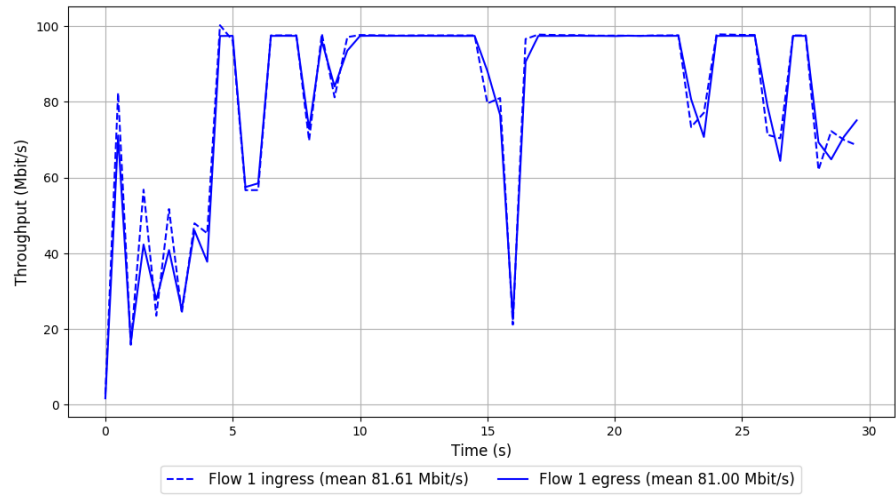
-- Flow 1:

Average throughput: 81.00 Mbit/s

95th percentile per-packet one-way delay: 48.413 ms

Loss rate: 0.73%

Run 4: Report of QUIC Cubic — Data Link

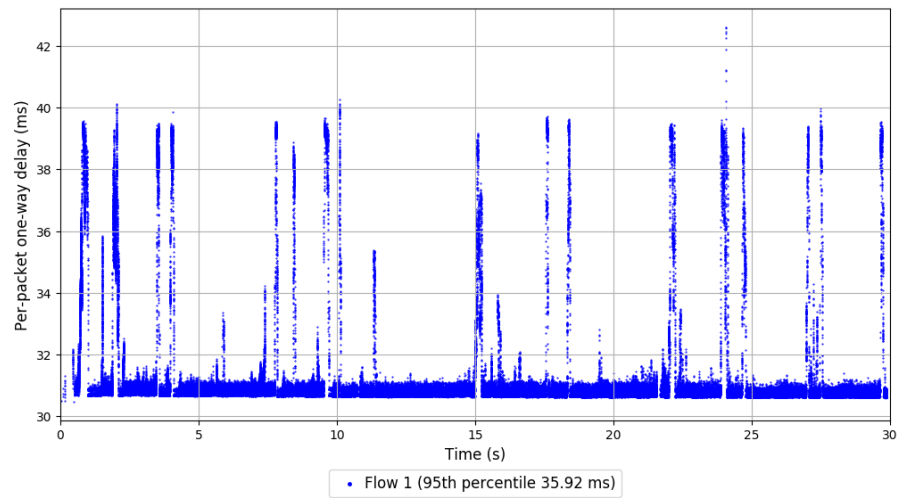
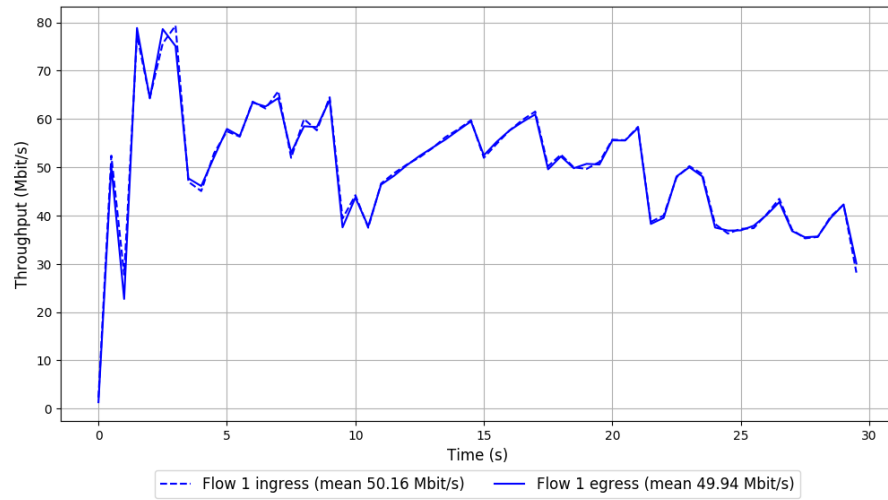


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-27 16:46:21
End at: 2018-02-27 16:46:51
Local clock offset: -2.989 ms
Remote clock offset: -3.815 ms

Below is generated by plot.py at 2018-02-27 19:56:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.94 Mbit/s
95th percentile per-packet one-way delay: 35.919 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 49.94 Mbit/s
95th percentile per-packet one-way delay: 35.919 ms
Loss rate: 0.44%

Run 5: Report of QUIC Cubic — Data Link

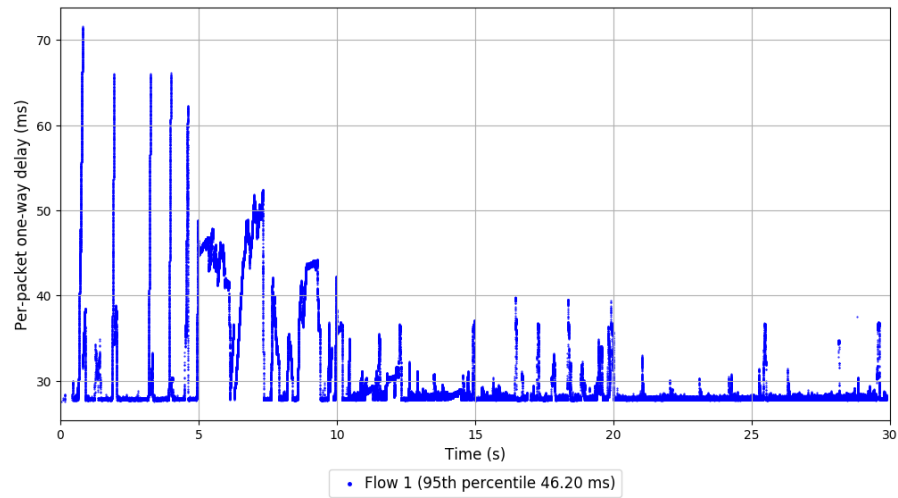
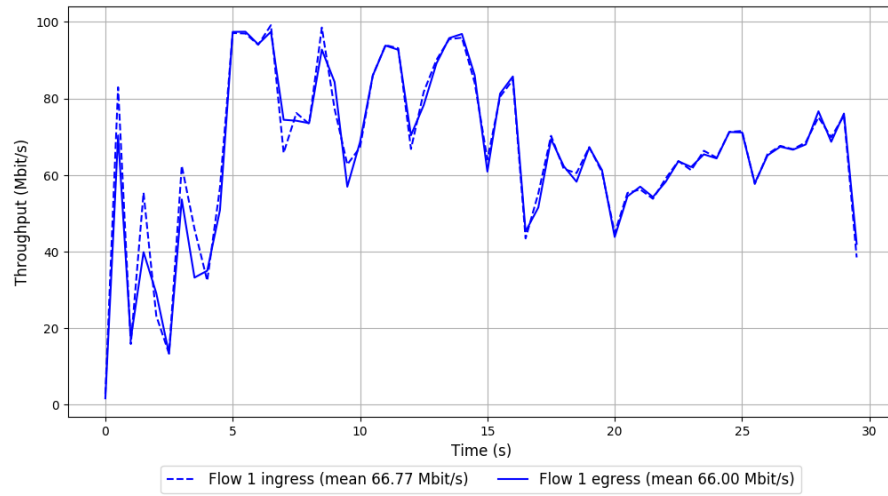


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-27 17:12:41
End at: 2018-02-27 17:13:11
Local clock offset: -4.154 ms
Remote clock offset: -7.125 ms

Below is generated by plot.py at 2018-02-27 19:56:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.00 Mbit/s
95th percentile per-packet one-way delay: 46.195 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 66.00 Mbit/s
95th percentile per-packet one-way delay: 46.195 ms
Loss rate: 1.16%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-27 17:42:34

End at: 2018-02-27 17:43:04

Local clock offset: 1.974 ms

Remote clock offset: -6.271 ms

Below is generated by plot.py at 2018-02-27 19:56:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.63 Mbit/s

95th percentile per-packet one-way delay: 34.651 ms

Loss rate: 0.27%

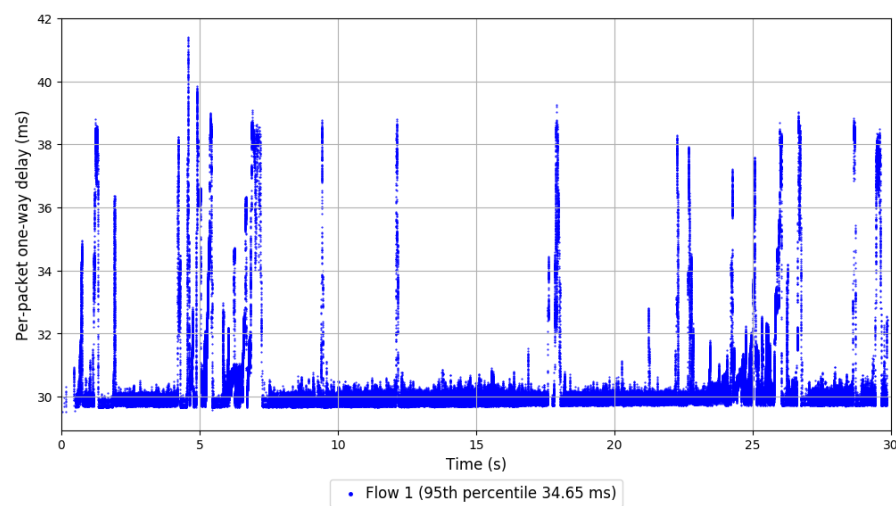
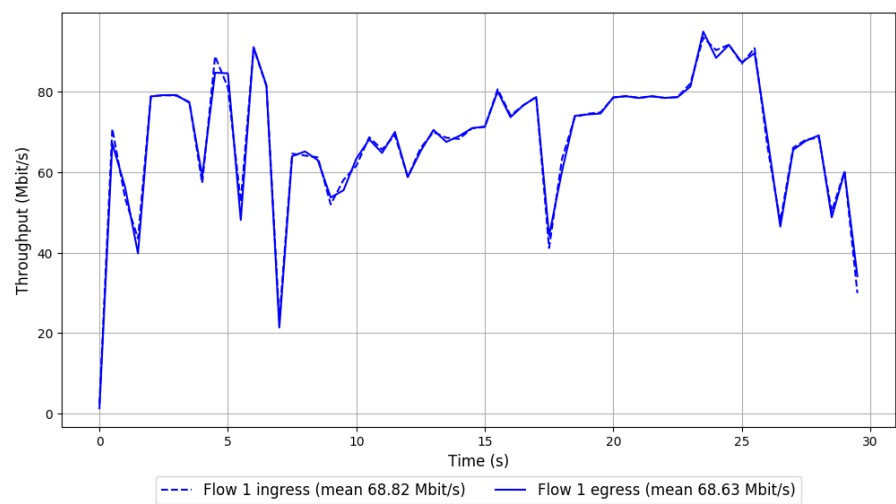
-- Flow 1:

Average throughput: 68.63 Mbit/s

95th percentile per-packet one-way delay: 34.651 ms

Loss rate: 0.27%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-27 18:08:12

End at: 2018-02-27 18:08:42

Local clock offset: -3.786 ms

Remote clock offset: -6.597 ms

Below is generated by plot.py at 2018-02-27 19:56:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.35 Mbit/s

95th percentile per-packet one-way delay: 32.515 ms

Loss rate: 0.23%

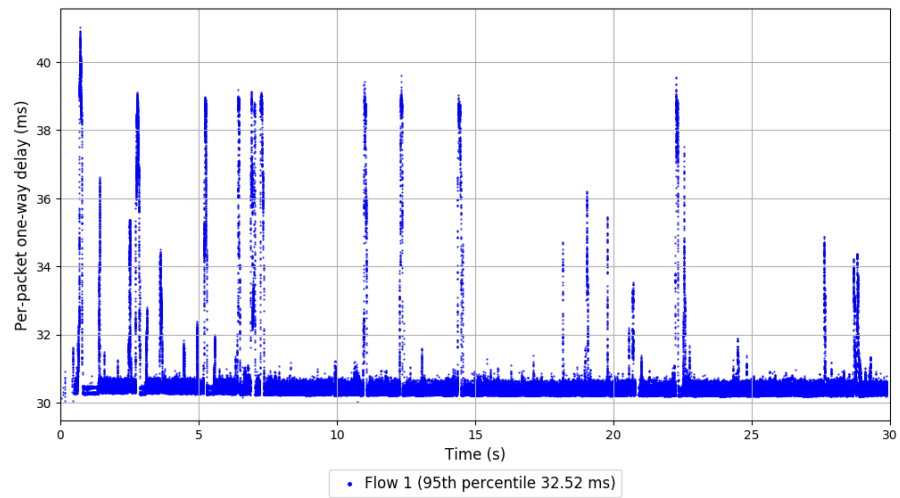
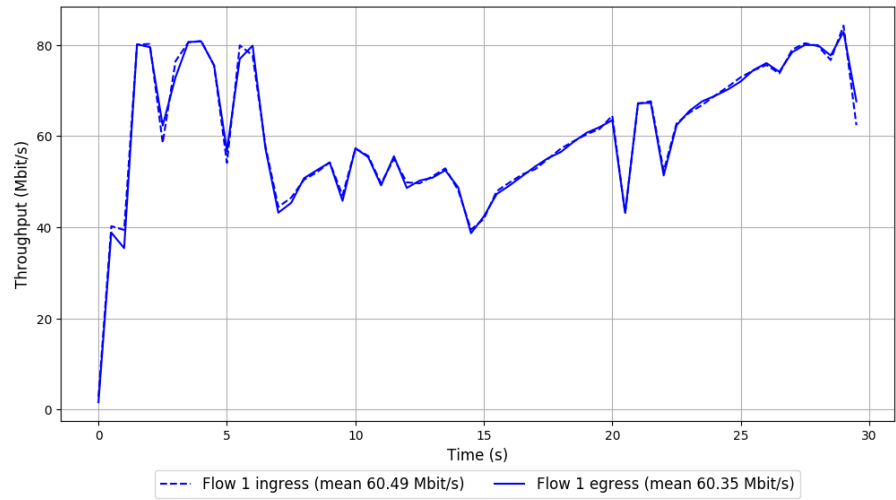
-- Flow 1:

Average throughput: 60.35 Mbit/s

95th percentile per-packet one-way delay: 32.515 ms

Loss rate: 0.23%

Run 8: Report of QUIC Cubic — Data Link

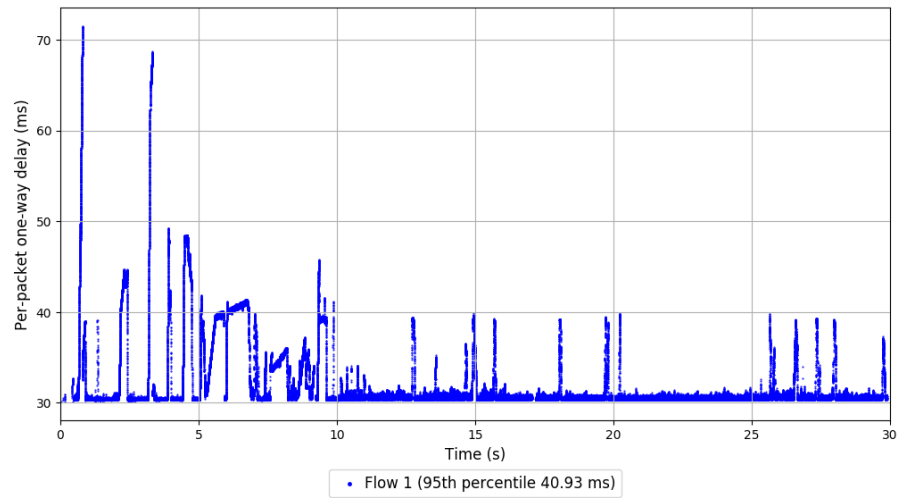
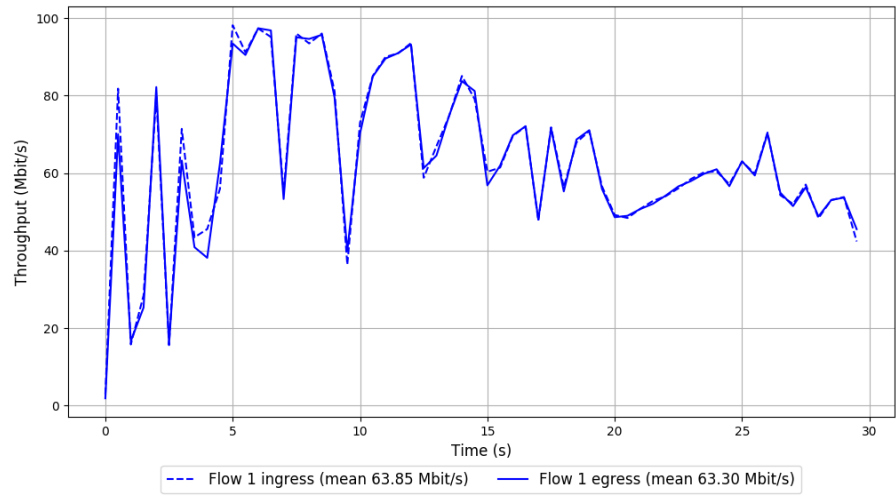


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-27 18:34:19
End at: 2018-02-27 18:34:49
Local clock offset: -1.597 ms
Remote clock offset: -1.787 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.30 Mbit/s
95th percentile per-packet one-way delay: 40.930 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 63.30 Mbit/s
95th percentile per-packet one-way delay: 40.930 ms
Loss rate: 0.86%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-27 19:00:09

End at: 2018-02-27 19:00:39

Local clock offset: 2.023 ms

Remote clock offset: -3.679 ms

Below is generated by plot.py at 2018-02-27 19:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.32 Mbit/s

95th percentile per-packet one-way delay: 42.754 ms

Loss rate: 0.72%

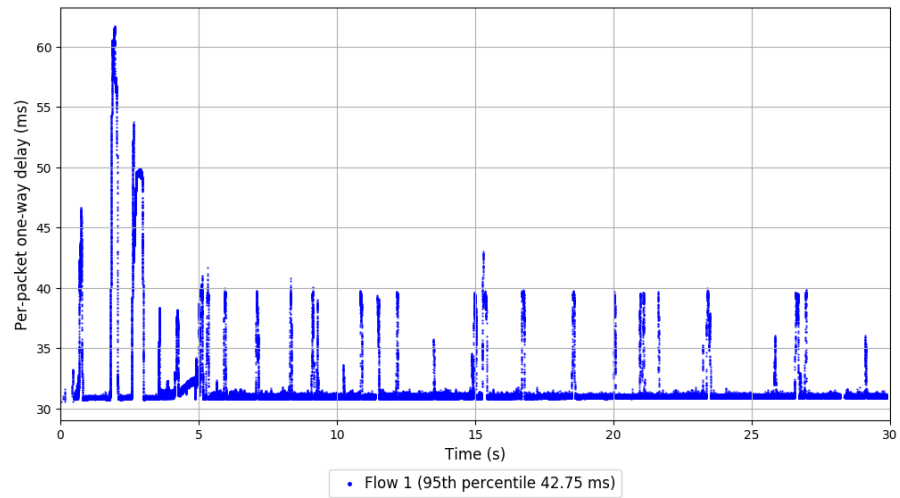
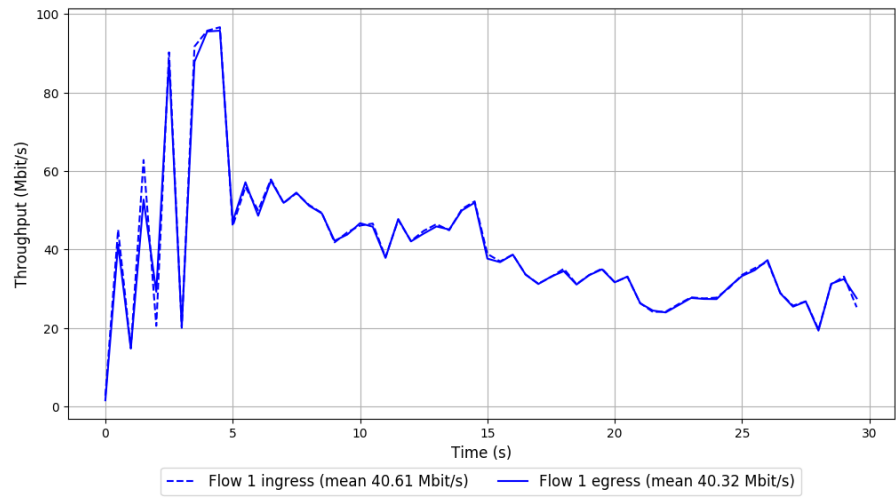
-- Flow 1:

Average throughput: 40.32 Mbit/s

95th percentile per-packet one-way delay: 42.754 ms

Loss rate: 0.72%

Run 10: Report of QUIC Cubic — Data Link

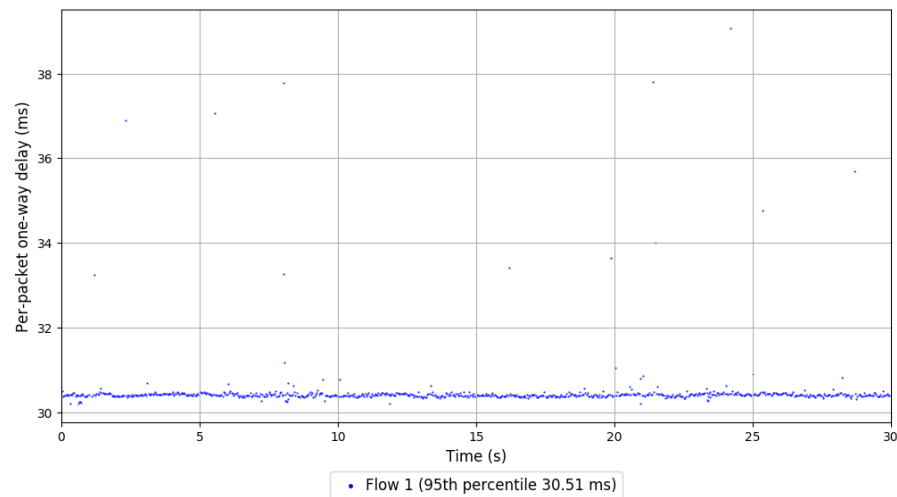
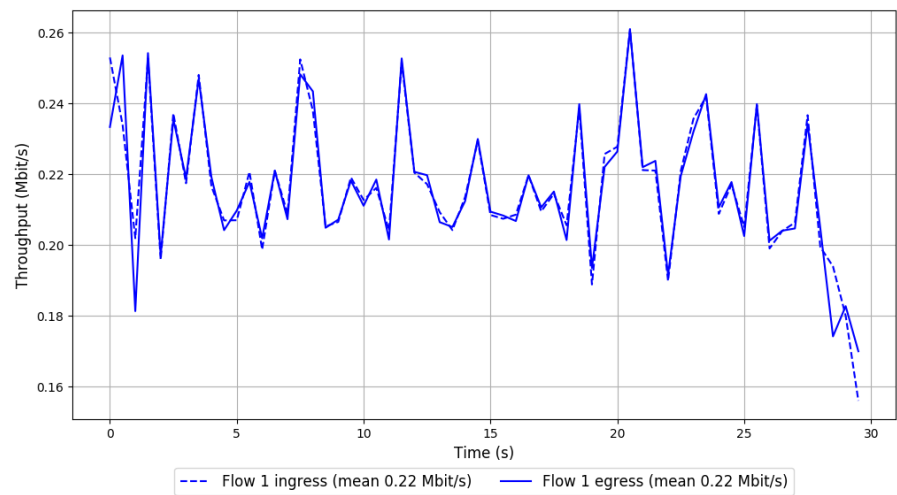


Run 1: Statistics of SCReAM

Start at: 2018-02-27 15:14:41
End at: 2018-02-27 15:15:11
Local clock offset: -3.029 ms
Remote clock offset: -7.164 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.508 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.508 ms
Loss rate: 0.14%

Run 1: Report of SReAM — Data Link

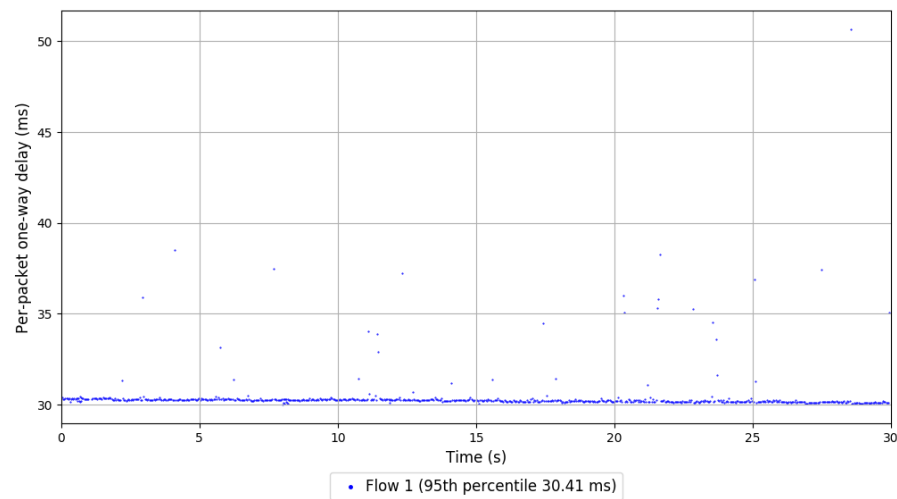
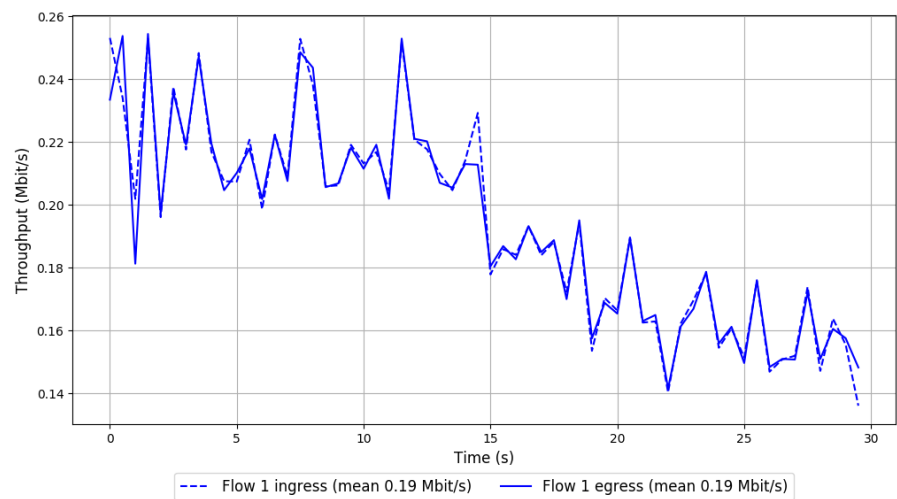


Run 2: Statistics of SCReAM

Start at: 2018-02-27 15:40:34
End at: 2018-02-27 15:41:04
Local clock offset: -5.796 ms
Remote clock offset: -4.241 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 30.412 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 30.412 ms
Loss rate: 0.15%

Run 2: Report of SReAM — Data Link

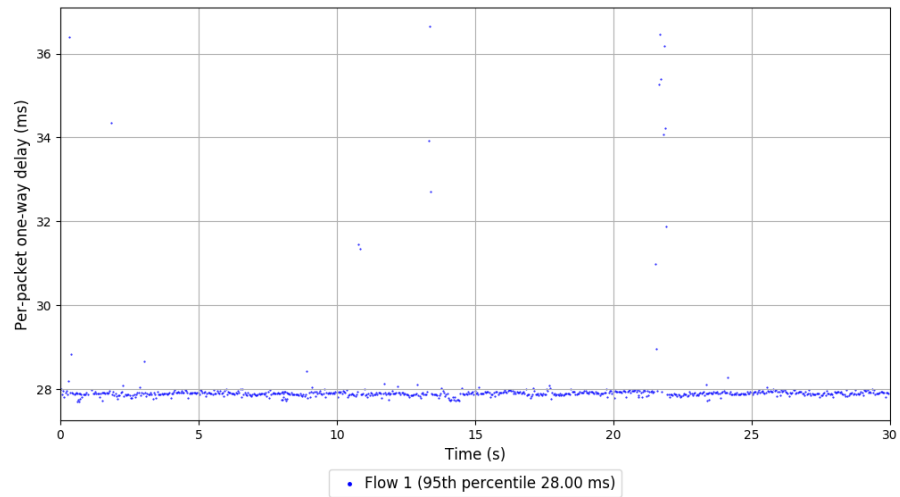
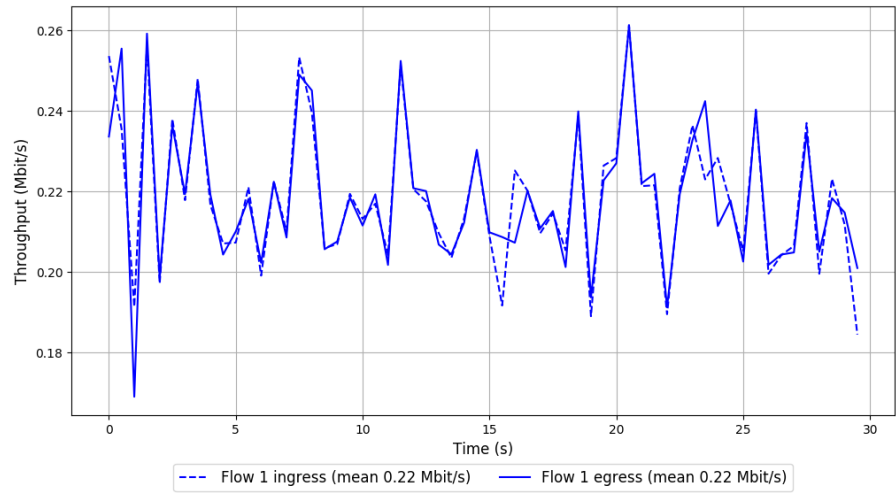


Run 3: Statistics of SCReAM

Start at: 2018-02-27 16:07:37
End at: 2018-02-27 16:08:07
Local clock offset: -8.2 ms
Remote clock offset: -5.661 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.003 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

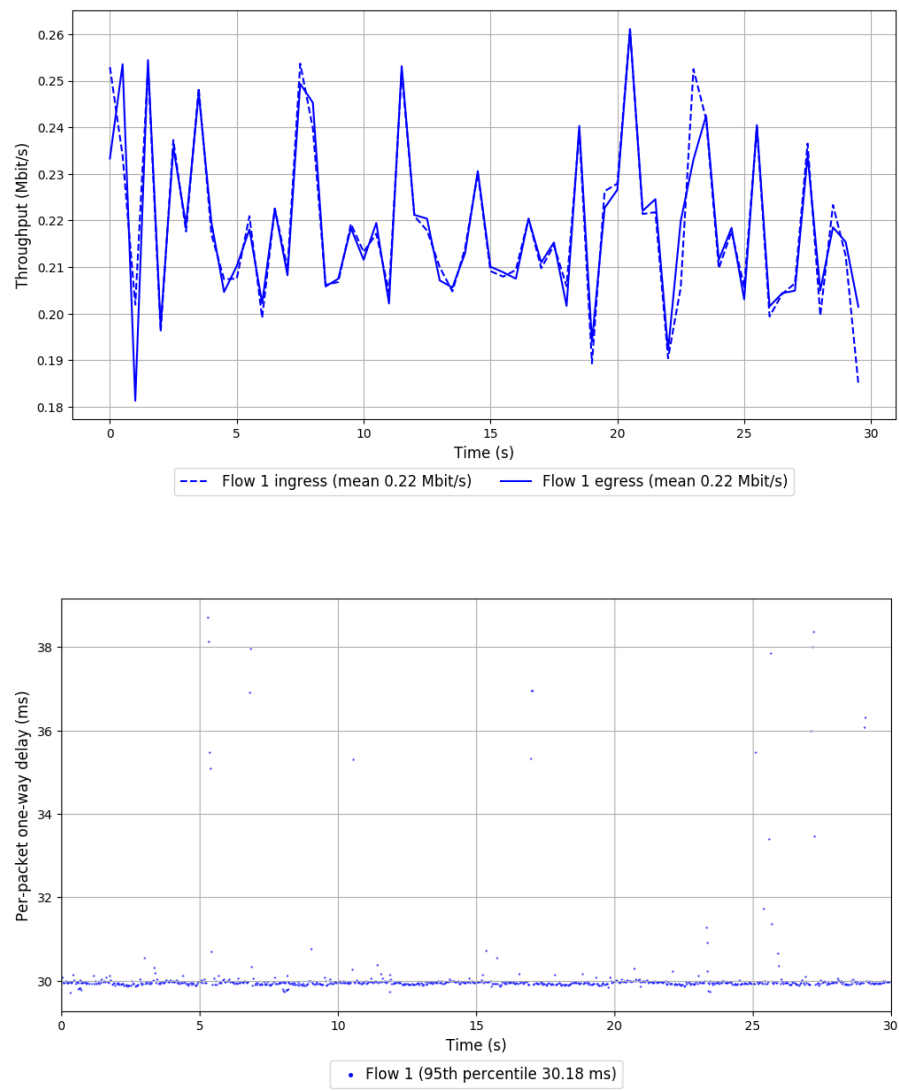


Run 4: Statistics of SCReAM

Start at: 2018-02-27 16:32:22
End at: 2018-02-27 16:32:53
Local clock offset: -3.069 ms
Remote clock offset: -4.258 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.175 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

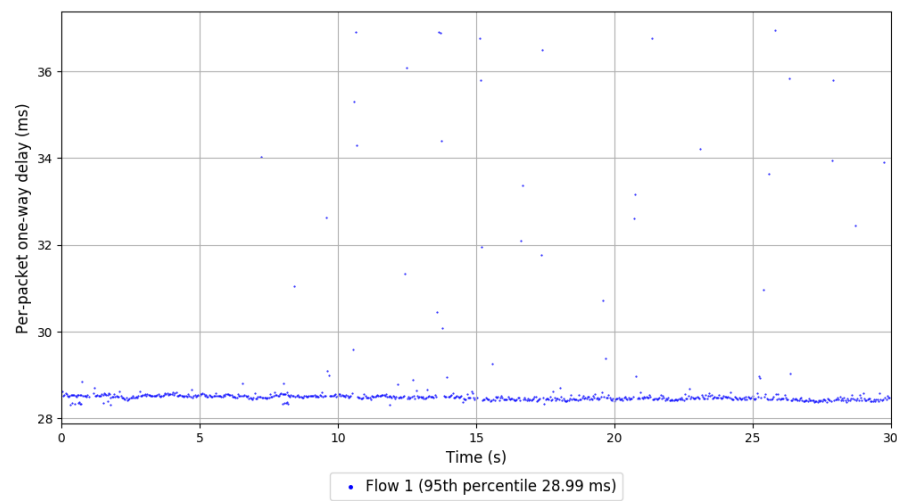
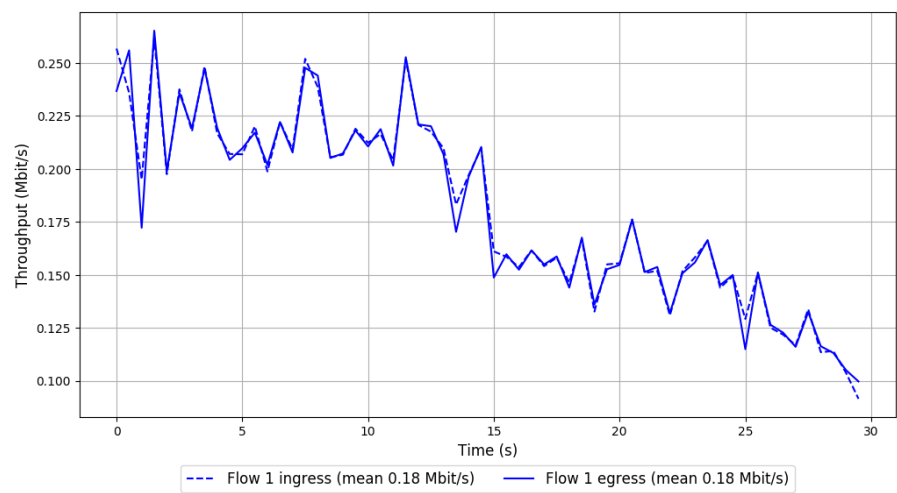


Run 5: Statistics of SCReAM

Start at: 2018-02-27 16:57:33
End at: 2018-02-27 16:58:03
Local clock offset: -3.875 ms
Remote clock offset: -6.618 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 28.990 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 28.990 ms
Loss rate: 0.41%

Run 5: Report of SReAM — Data Link

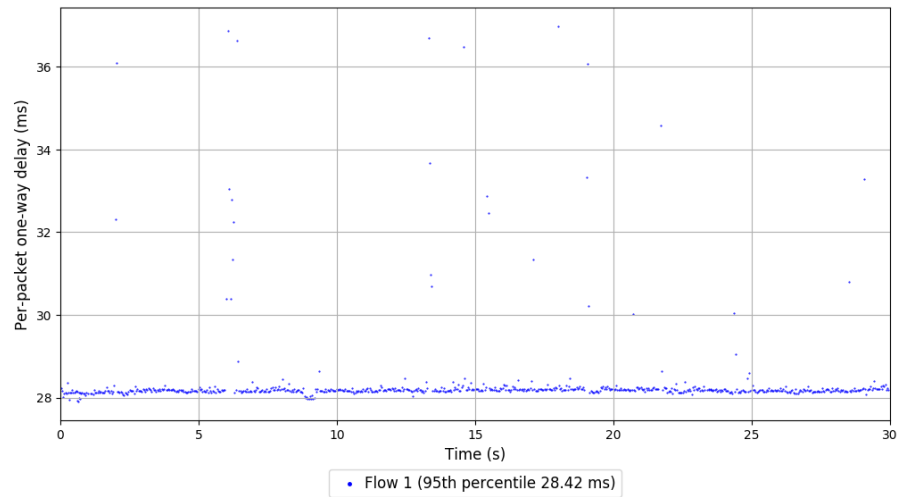
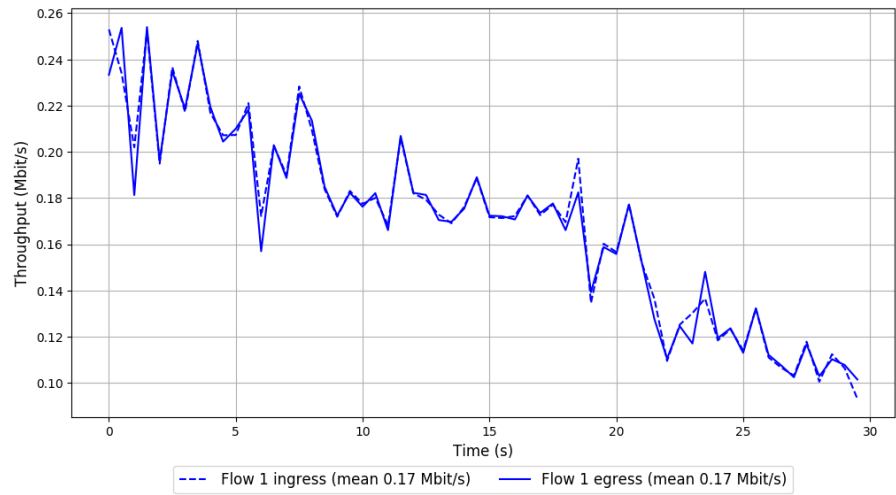


Run 6: Statistics of SCReAM

Start at: 2018-02-27 17:24:04
End at: 2018-02-27 17:24:34
Local clock offset: -1.167 ms
Remote clock offset: -7.261 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 28.420 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 28.420 ms
Loss rate: 0.47%

Run 6: Report of SReAM — Data Link

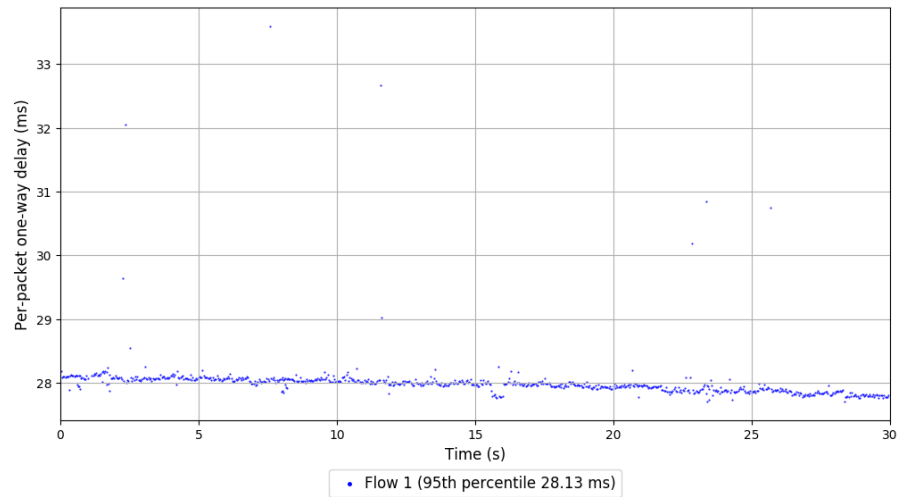
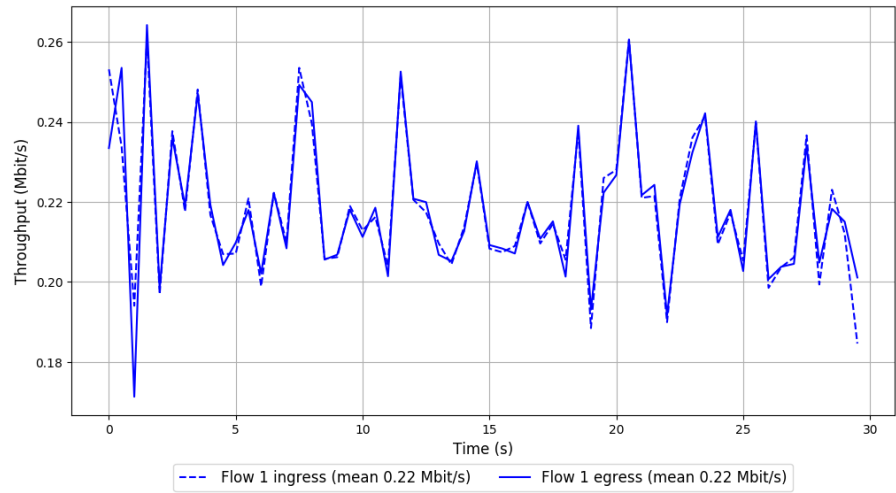


Run 7: Statistics of SCReAM

Start at: 2018-02-27 17:53:59
End at: 2018-02-27 17:54:29
Local clock offset: 0.877 ms
Remote clock offset: -8.589 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.126 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

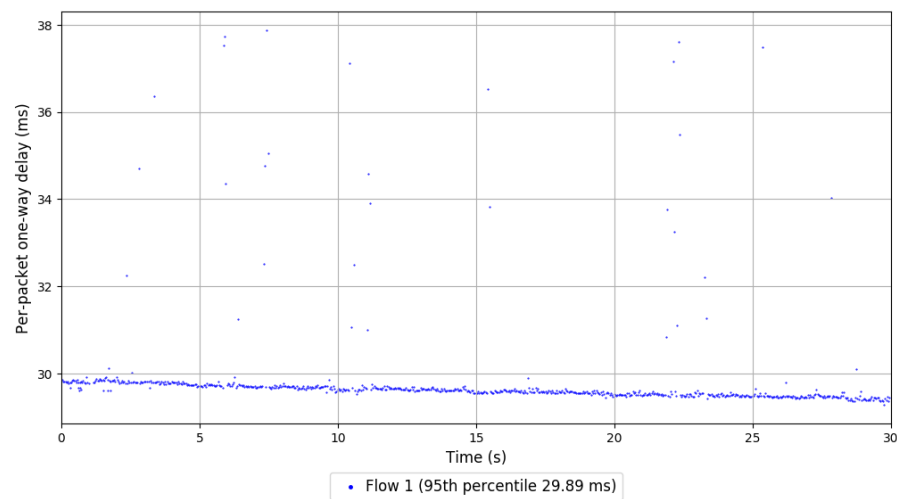
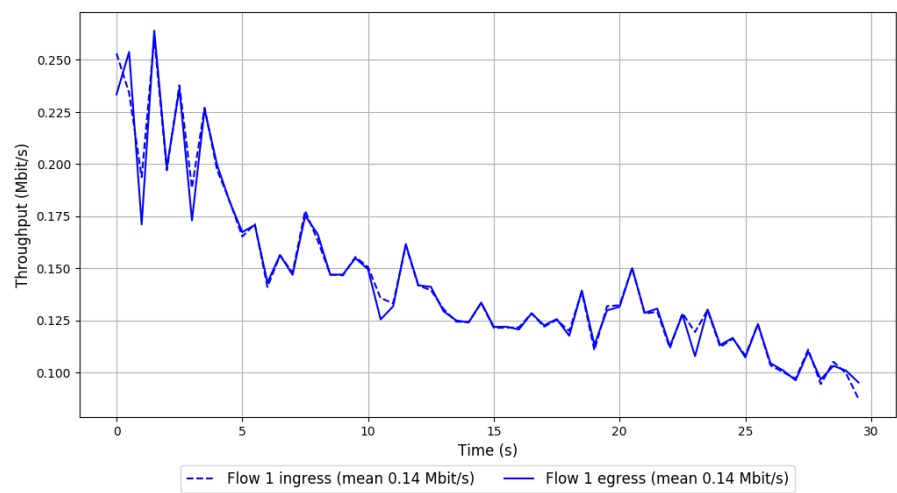


Run 8: Statistics of SCReAM

Start at: 2018-02-27 18:19:00
End at: 2018-02-27 18:19:30
Local clock offset: -4.938 ms
Remote clock offset: -6.396 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 29.888 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 29.888 ms
Loss rate: 0.48%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-27 18:45:25

End at: 2018-02-27 18:45:55

Local clock offset: 0.556 ms

Remote clock offset: -1.29 ms

Below is generated by plot.py at 2018-02-27 19:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.095 ms

Loss rate: 0.00%

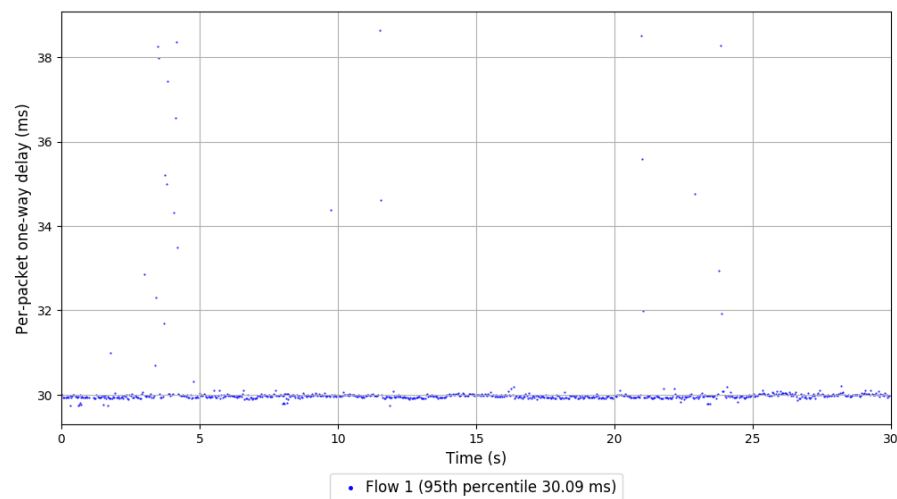
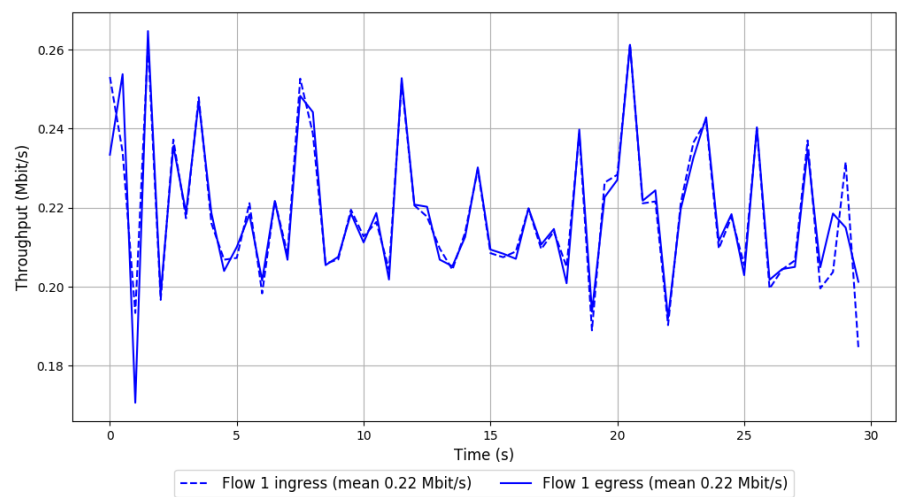
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.095 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

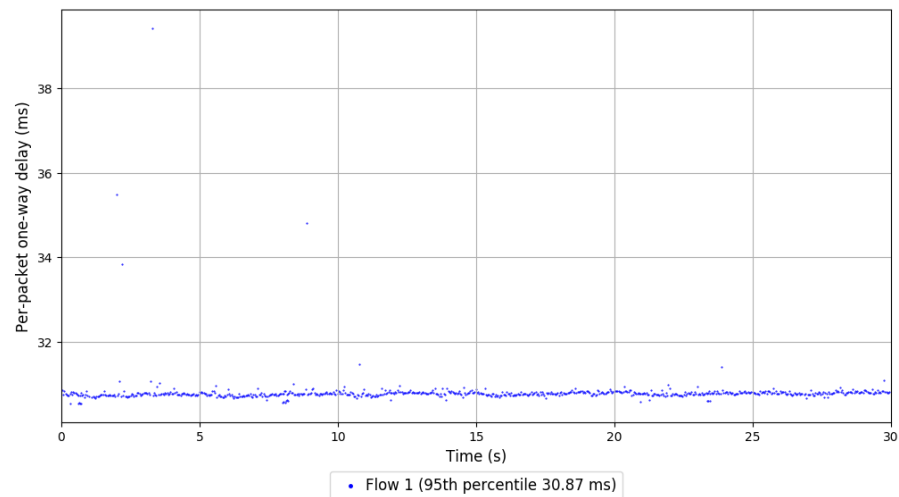
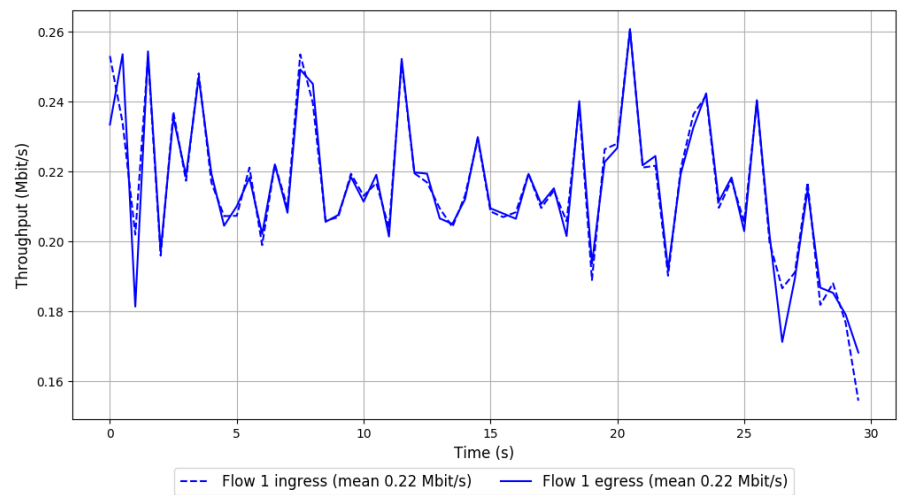


Run 10: Statistics of SCReAM

Start at: 2018-02-27 19:11:10
End at: 2018-02-27 19:11:40
Local clock offset: 2.366 ms
Remote clock offset: -6.129 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.873 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.873 ms
Loss rate: 0.13%

Run 10: Report of SReAM — Data Link

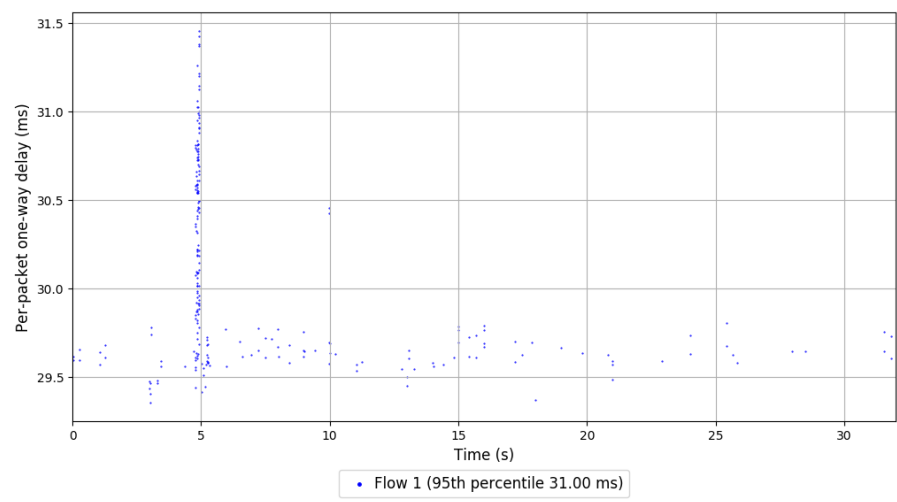
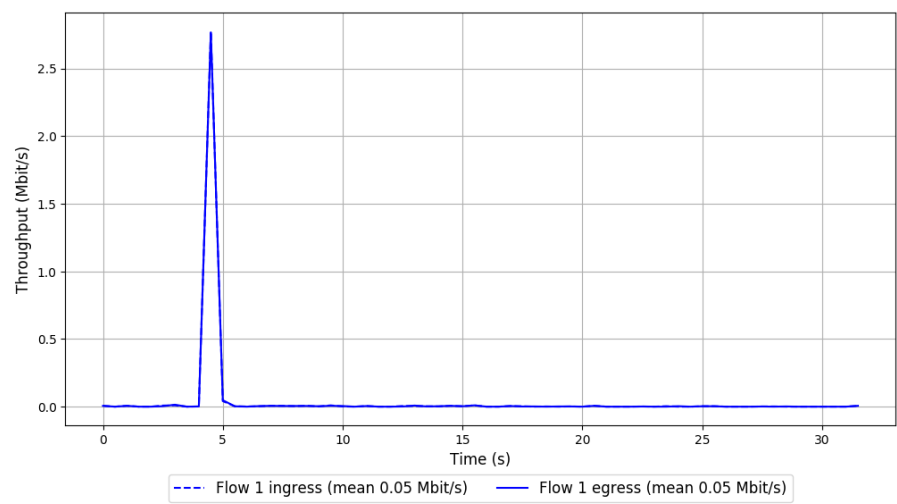


Run 1: Statistics of WebRTC media

Start at: 2018-02-27 15:12:03
End at: 2018-02-27 15:12:33
Local clock offset: -2.585 ms
Remote clock offset: -6.671 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 31.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 31.002 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

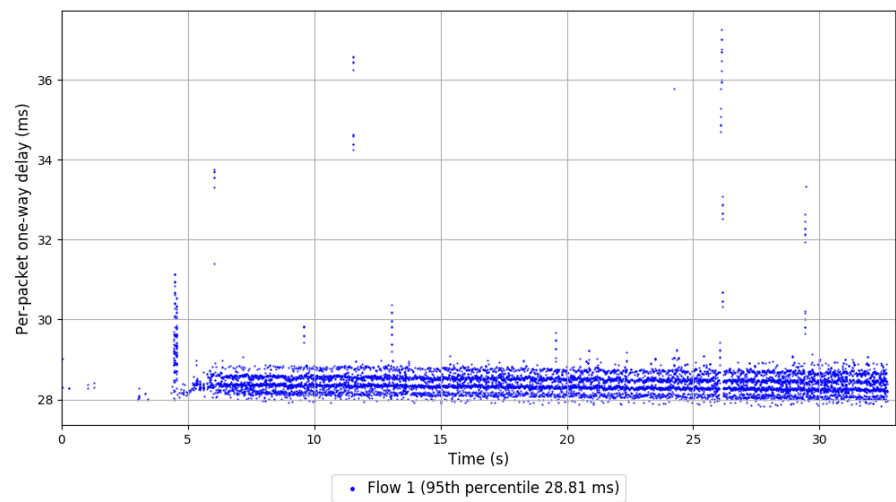
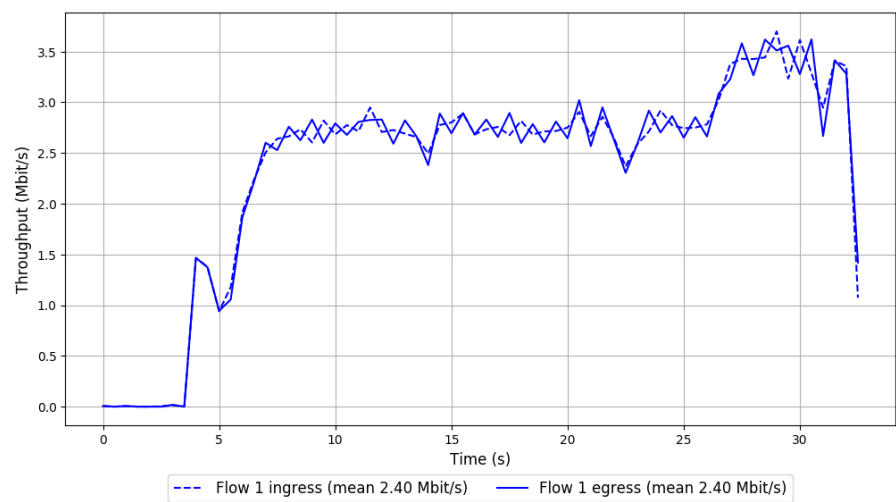


Run 2: Statistics of WebRTC media

Start at: 2018-02-27 15:37:46
End at: 2018-02-27 15:38:16
Local clock offset: -5.377 ms
Remote clock offset: -7.353 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 28.814 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 28.814 ms
Loss rate: 0.01%

Run 2: Report of WebRTC media — Data Link

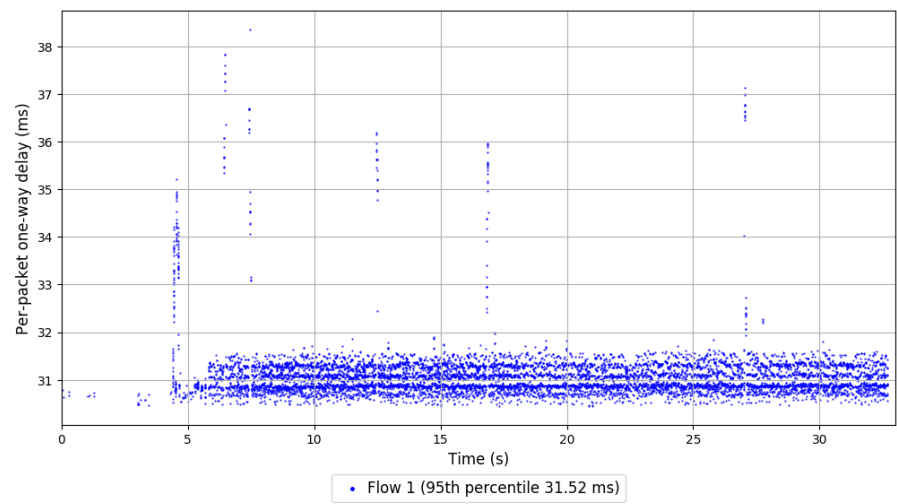
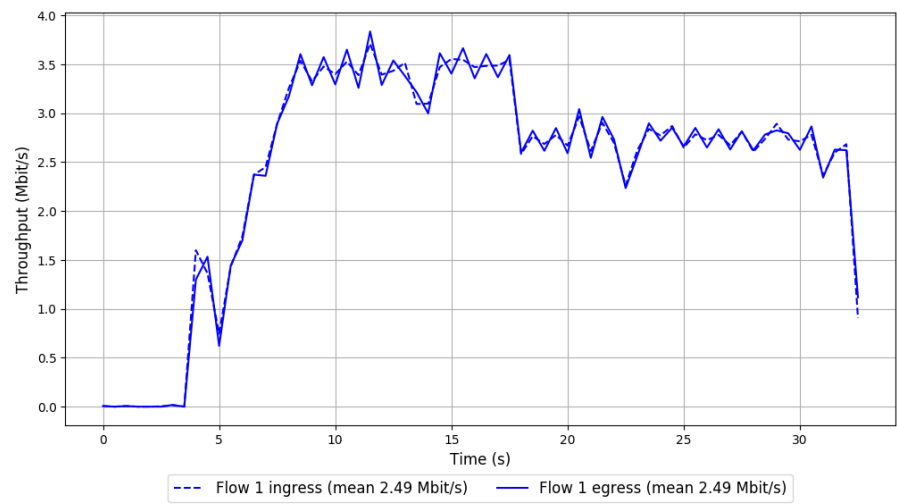


Run 3: Statistics of WebRTC media

Start at: 2018-02-27 16:05:01
End at: 2018-02-27 16:05:31
Local clock offset: -7.909 ms
Remote clock offset: -3.052 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 31.517 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 31.517 ms
Loss rate: 0.10%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-27 16:29:49

End at: 2018-02-27 16:30:19

Local clock offset: -3.271 ms

Remote clock offset: -4.27 ms

Below is generated by plot.py at 2018-02-27 19:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.67 Mbit/s

95th percentile per-packet one-way delay: 32.293 ms

Loss rate: 0.47%

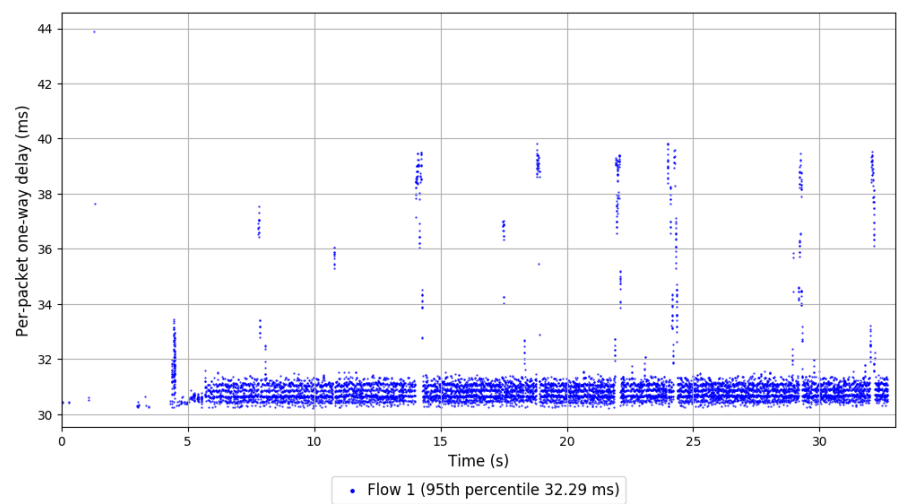
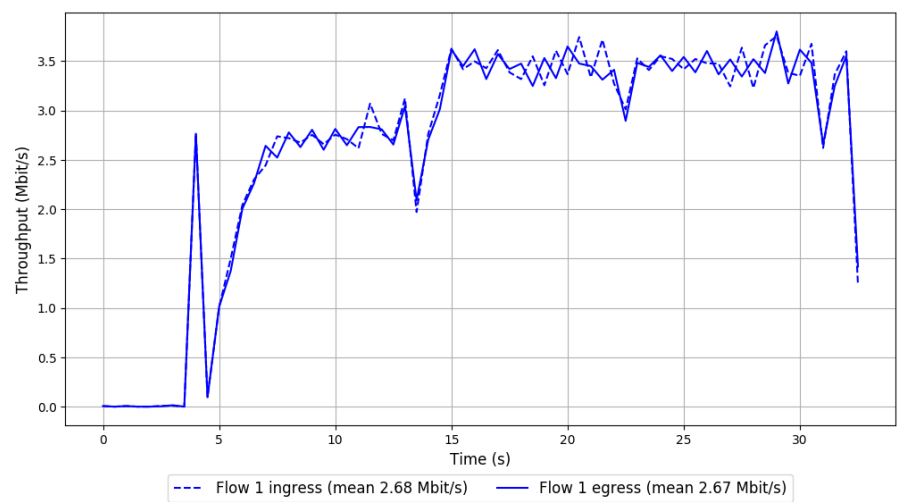
-- Flow 1:

Average throughput: 2.67 Mbit/s

95th percentile per-packet one-way delay: 32.293 ms

Loss rate: 0.47%

Run 4: Report of WebRTC media — Data Link

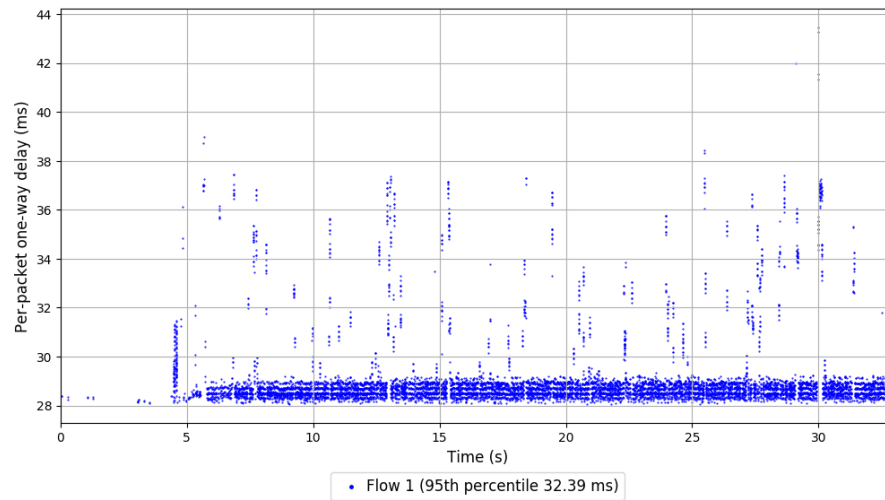
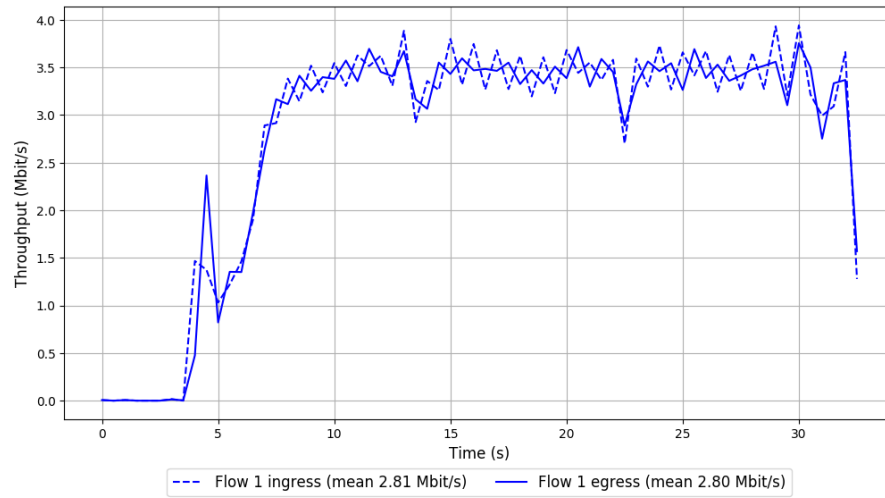


Run 5: Statistics of WebRTC media

Start at: 2018-02-27 16:54:57
End at: 2018-02-27 16:55:27
Local clock offset: -3.757 ms
Remote clock offset: -6.566 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 32.390 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 32.390 ms
Loss rate: 0.49%

Run 5: Report of WebRTC media — Data Link

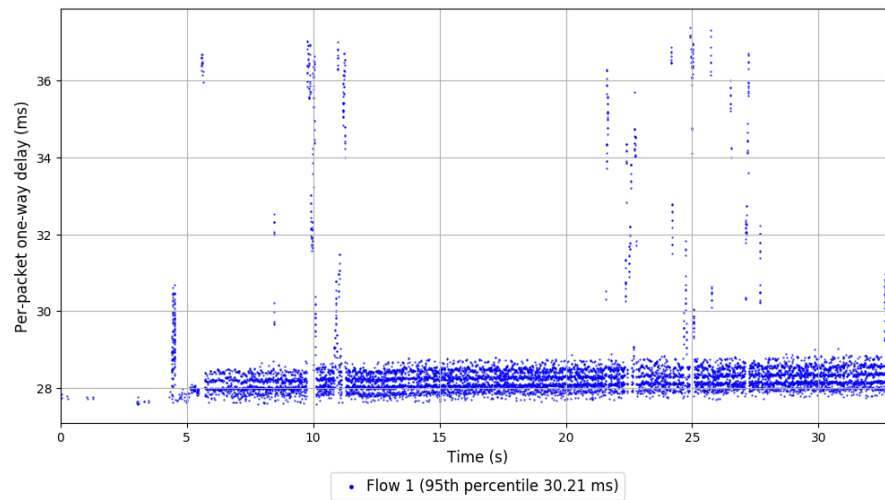
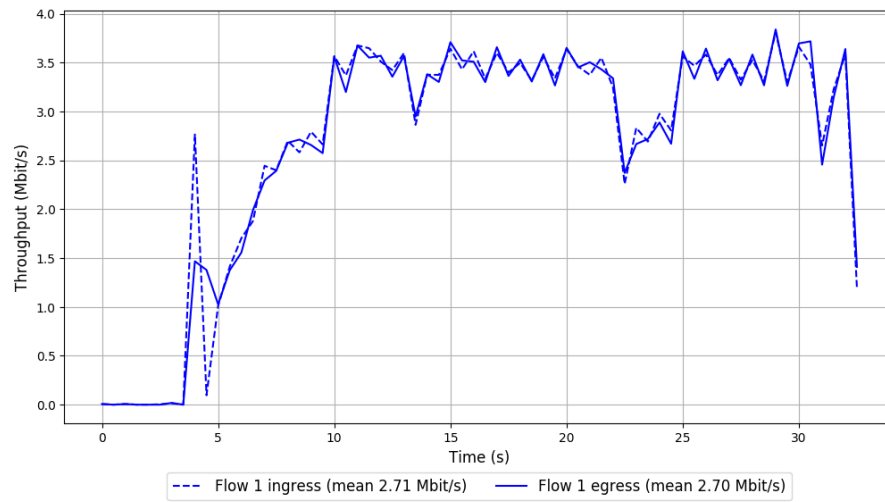


Run 6: Statistics of WebRTC media

Start at: 2018-02-27 17:21:26
End at: 2018-02-27 17:21:56
Local clock offset: -2.095 ms
Remote clock offset: -7.446 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 30.210 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 30.210 ms
Loss rate: 0.35%

Run 6: Report of WebRTC media — Data Link

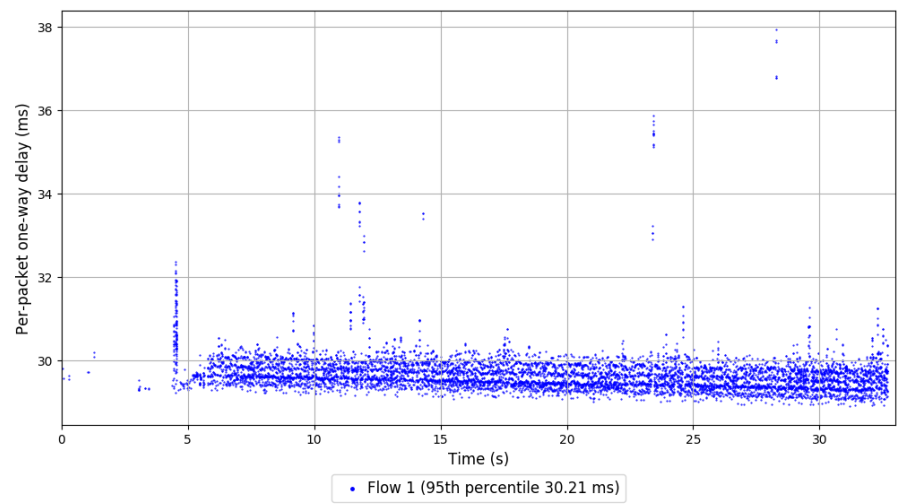
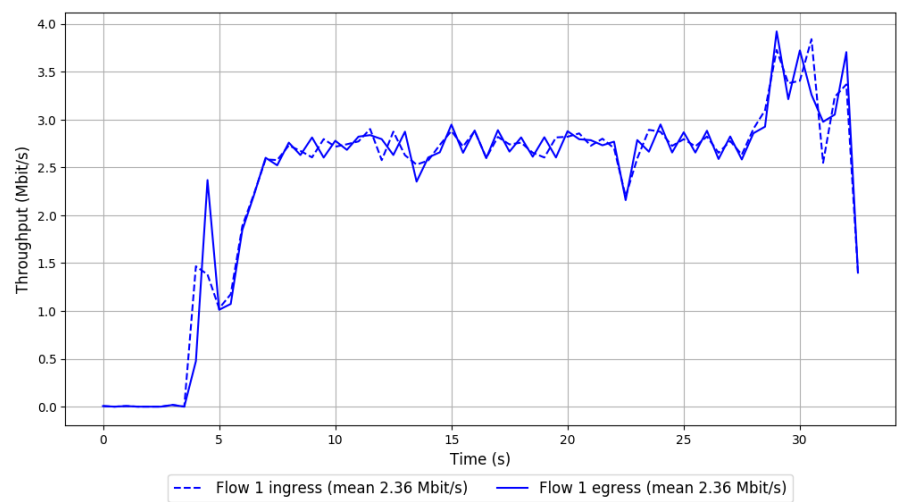


Run 7: Statistics of WebRTC media

Start at: 2018-02-27 17:51:24
End at: 2018-02-27 17:51:54
Local clock offset: 2.677 ms
Remote clock offset: -6.339 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 30.213 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 30.213 ms
Loss rate: 0.06%

Run 7: Report of WebRTC media — Data Link

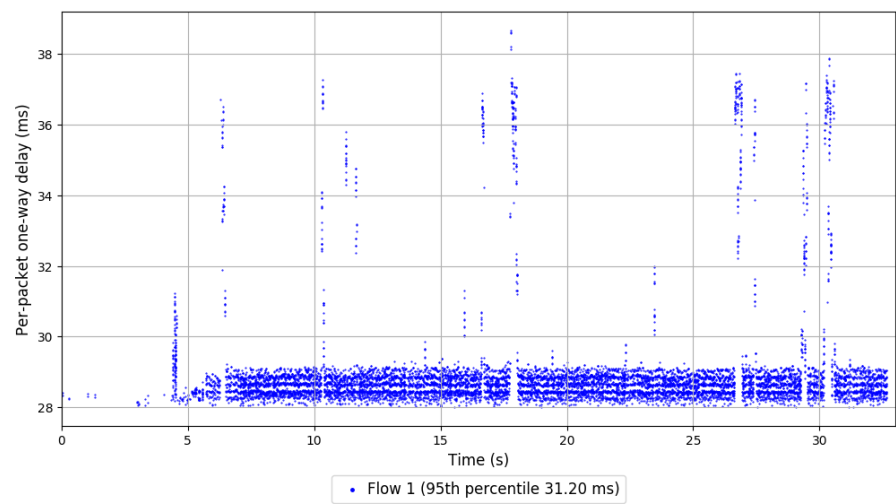
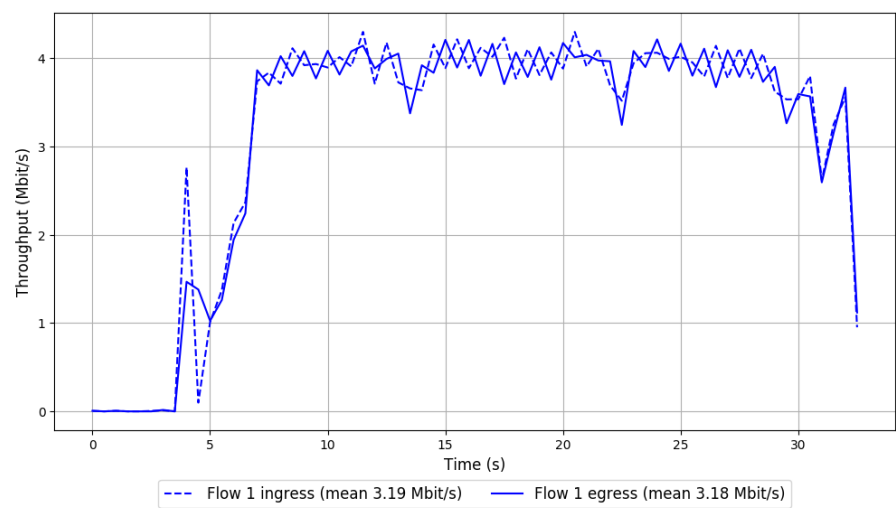


Run 8: Statistics of WebRTC media

Start at: 2018-02-27 18:16:25
End at: 2018-02-27 18:16:55
Local clock offset: -4.662 ms
Remote clock offset: -8.858 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 31.200 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 31.200 ms
Loss rate: 0.49%

Run 8: Report of WebRTC media — Data Link

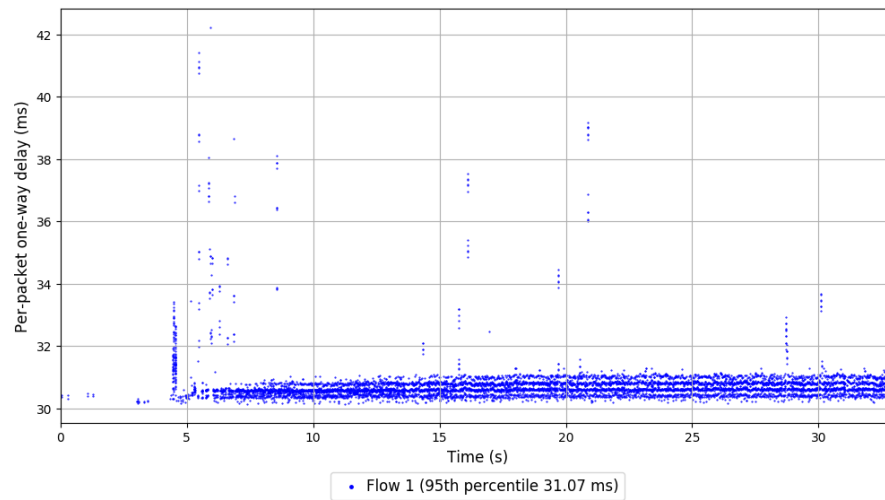
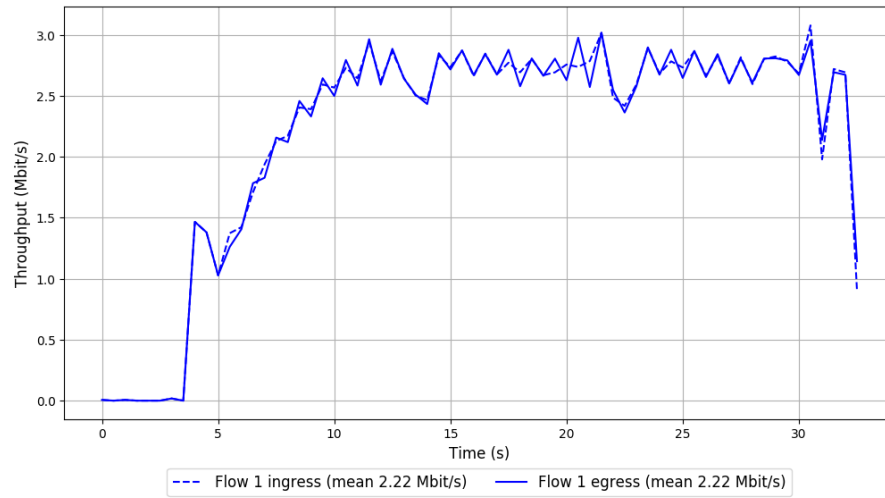


Run 9: Statistics of WebRTC media

Start at: 2018-02-27 18:42:47
End at: 2018-02-27 18:43:17
Local clock offset: 0.195 ms
Remote clock offset: -1.547 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 31.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 31.074 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-27 19:08:36

End at: 2018-02-27 19:09:06

Local clock offset: 2.247 ms

Remote clock offset: -7.964 ms

Below is generated by plot.py at 2018-02-27 19:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 28.566 ms

Loss rate: 0.31%

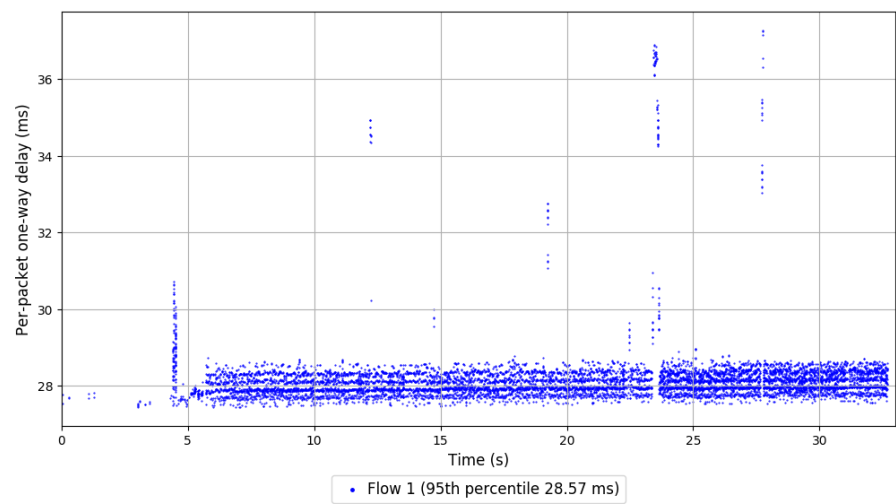
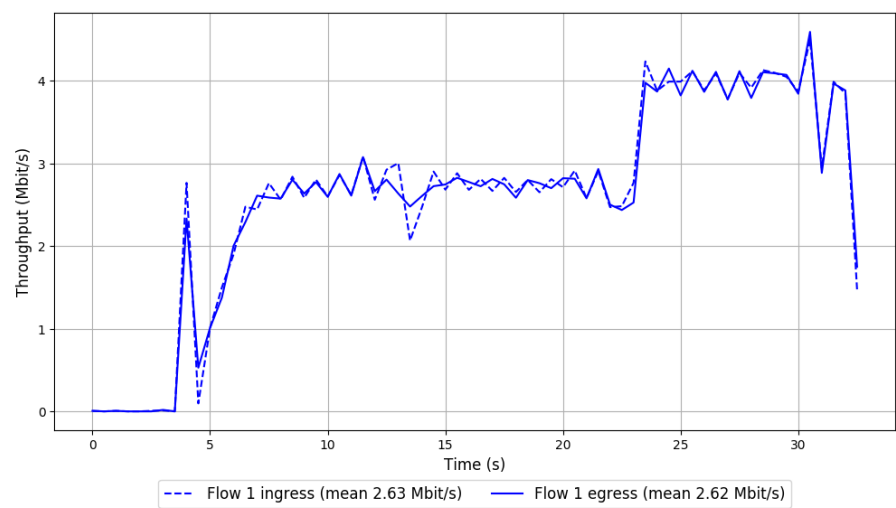
-- Flow 1:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 28.566 ms

Loss rate: 0.31%

Run 10: Report of WebRTC media — Data Link

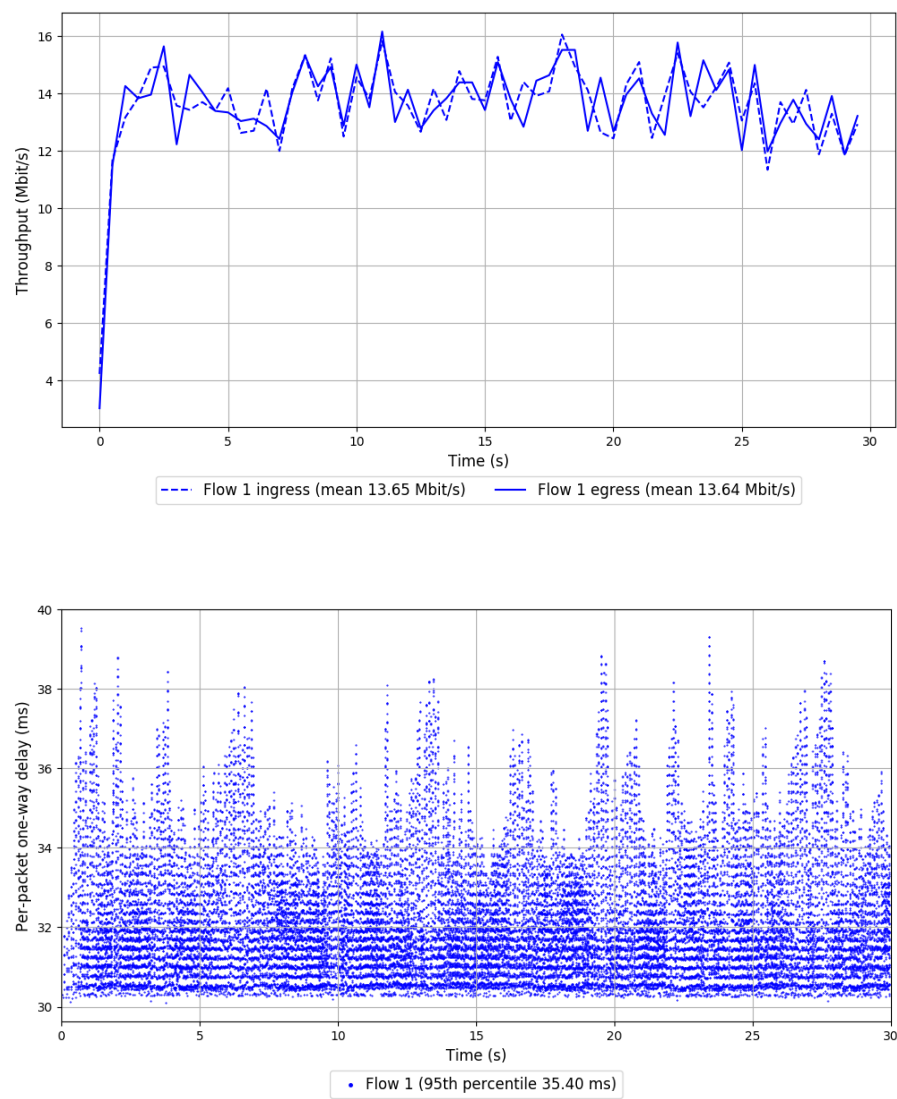


Run 1: Statistics of Sprout

Start at: 2018-02-27 15:07:43
End at: 2018-02-27 15:08:13
Local clock offset: -1.636 ms
Remote clock offset: -5.856 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 35.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 35.402 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

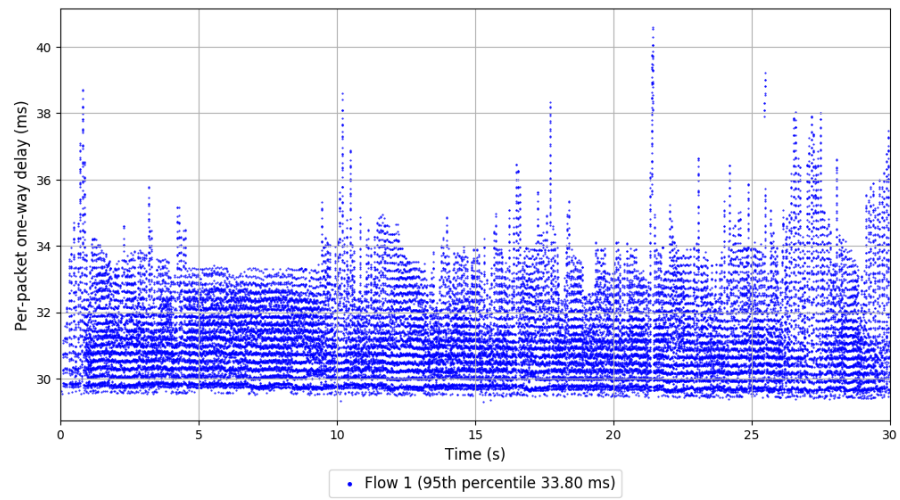
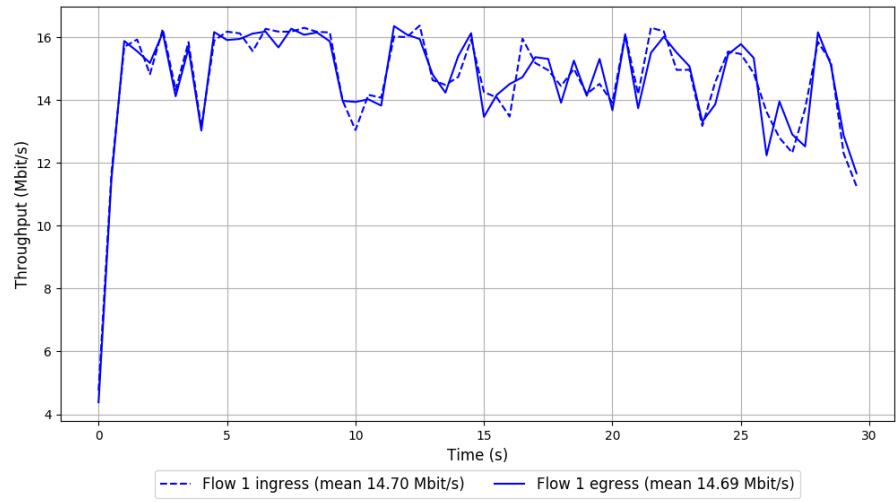


Run 2: Statistics of Sprout

Start at: 2018-02-27 15:33:23
End at: 2018-02-27 15:33:53
Local clock offset: -4.685 ms
Remote clock offset: -6.332 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 33.795 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 33.795 ms
Loss rate: 0.09%

Run 2: Report of Sprout — Data Link

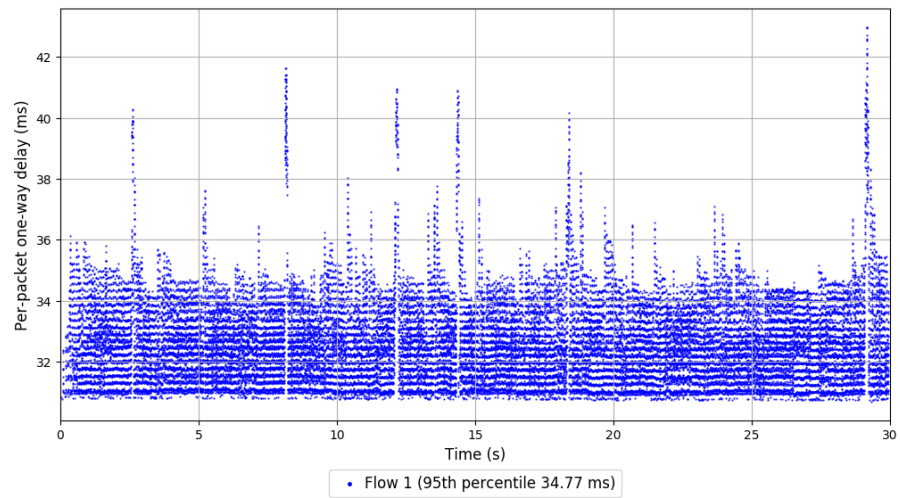
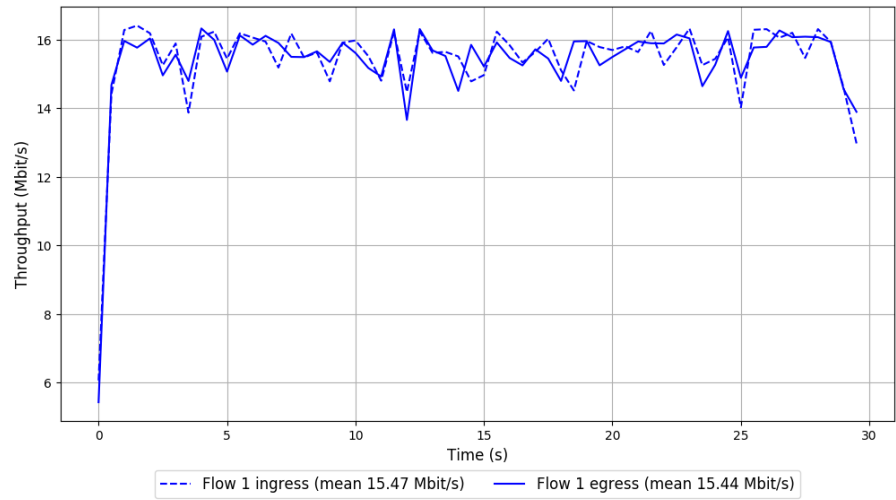


Run 3: Statistics of Sprout

Start at: 2018-02-27 16:00:49
End at: 2018-02-27 16:01:19
Local clock offset: -7.704 ms
Remote clock offset: -2.534 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 34.768 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 34.768 ms
Loss rate: 0.19%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-27 16:25:49

End at: 2018-02-27 16:26:19

Local clock offset: -3.661 ms

Remote clock offset: -4.24 ms

Below is generated by plot.py at 2018-02-27 19:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.84 Mbit/s

95th percentile per-packet one-way delay: 33.881 ms

Loss rate: 0.09%

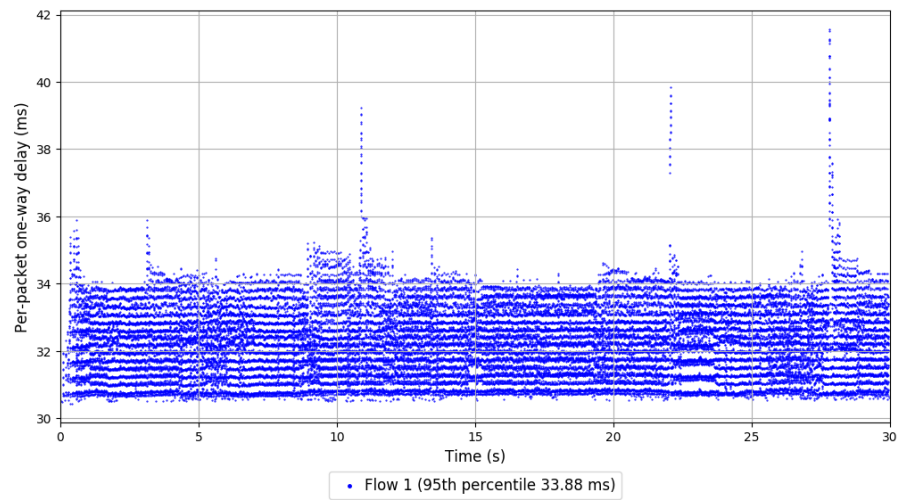
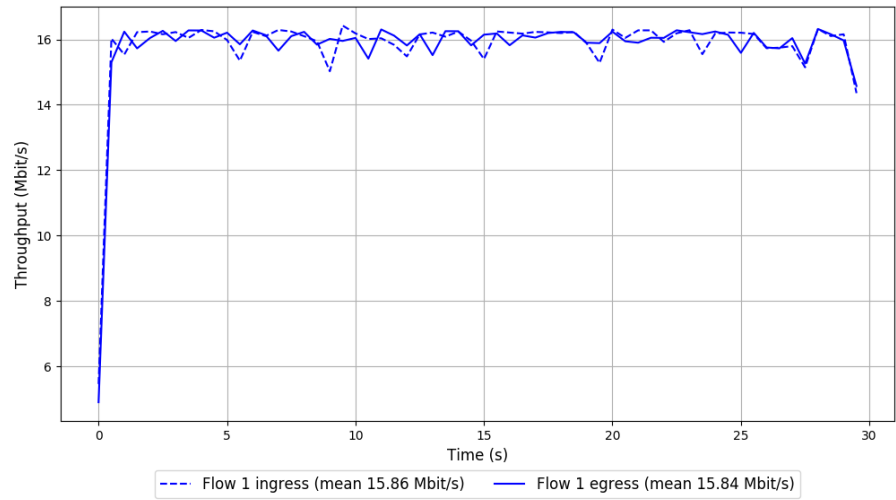
-- Flow 1:

Average throughput: 15.84 Mbit/s

95th percentile per-packet one-way delay: 33.881 ms

Loss rate: 0.09%

Run 4: Report of Sprout — Data Link

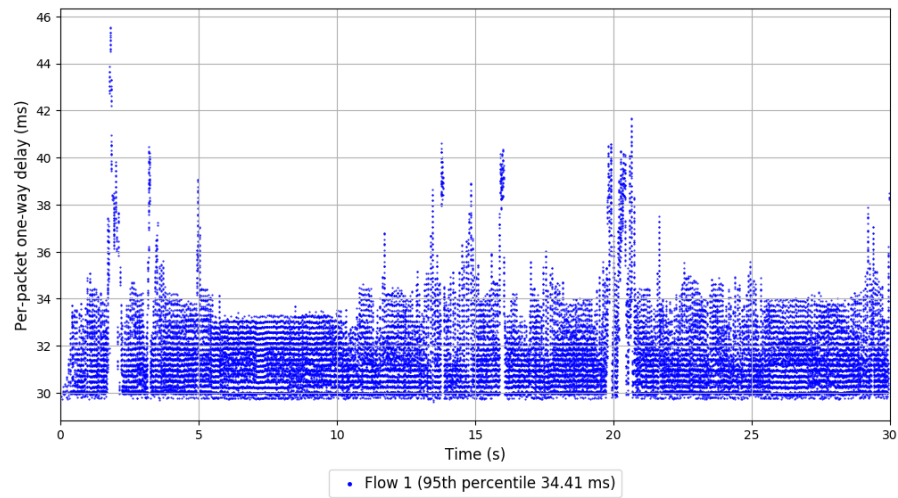
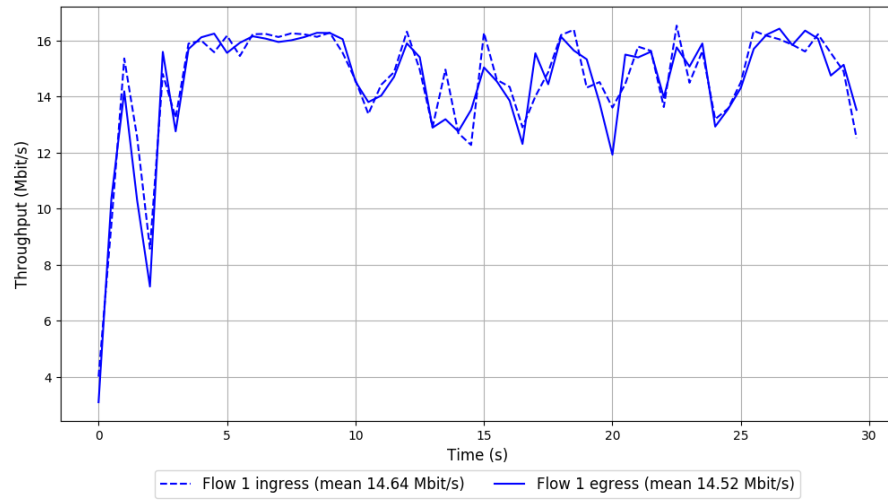


Run 5: Statistics of Sprout

Start at: 2018-02-27 16:50:37
End at: 2018-02-27 16:51:07
Local clock offset: -3.494 ms
Remote clock offset: -4.243 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 34.413 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 34.413 ms
Loss rate: 0.79%

Run 5: Report of Sprout — Data Link

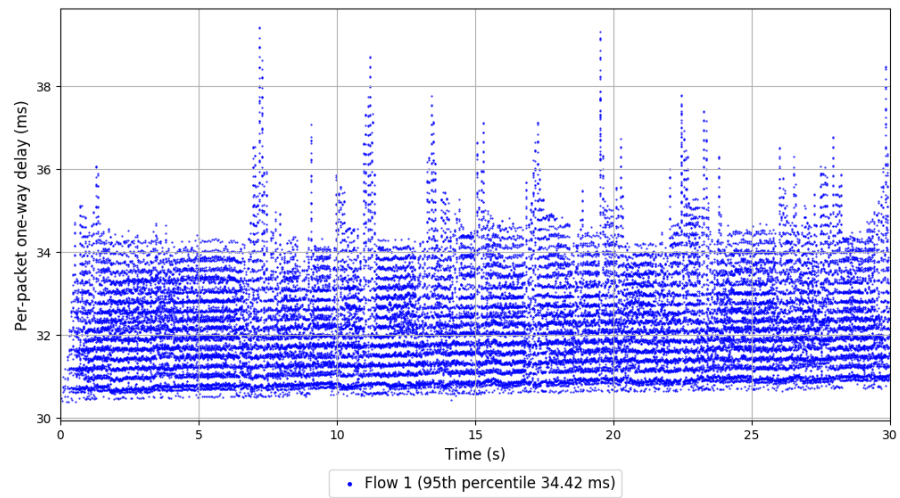
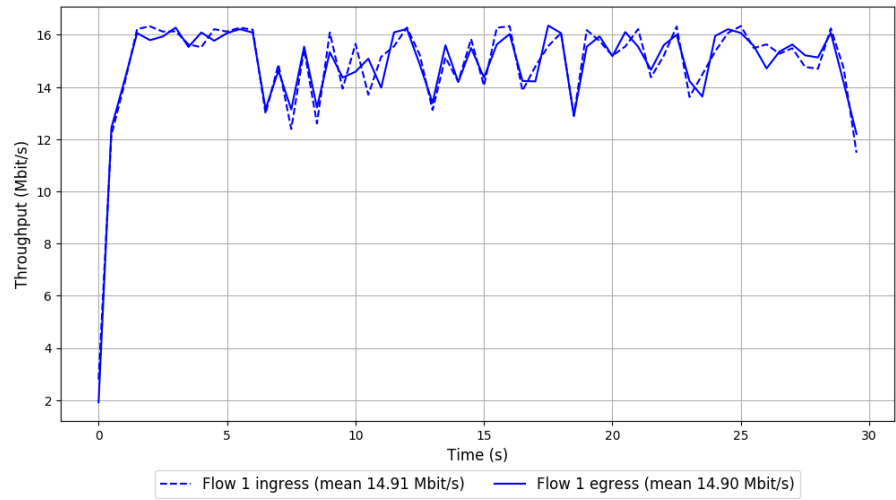


Run 6: Statistics of Sprout

Start at: 2018-02-27 17:17:03
End at: 2018-02-27 17:17:33
Local clock offset: -4.049 ms
Remote clock offset: -5.283 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 34.422 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 34.422 ms
Loss rate: 0.06%

Run 6: Report of Sprout — Data Link

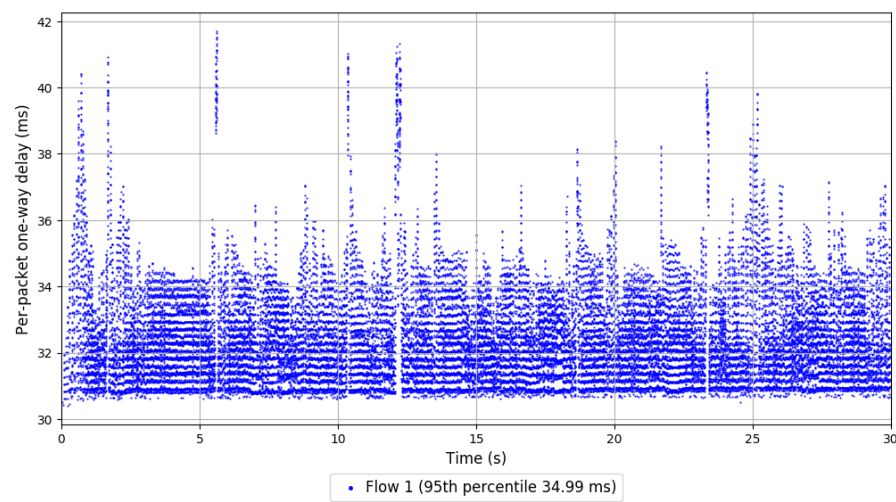
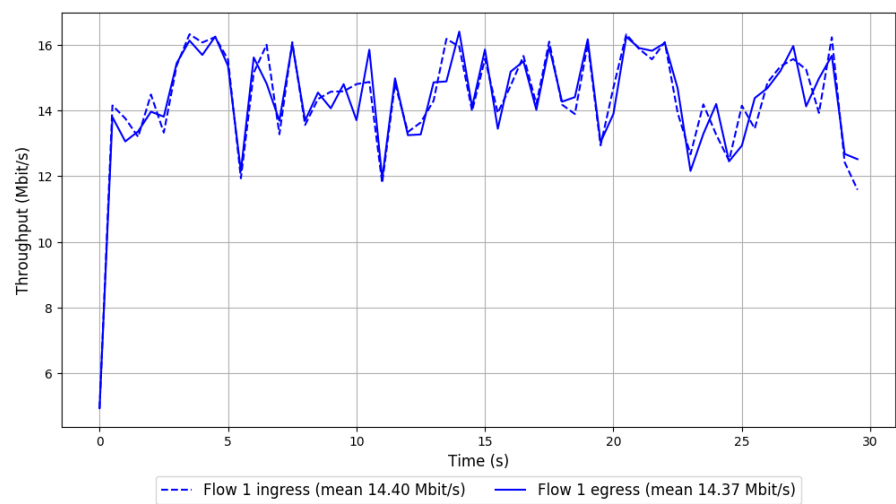


Run 7: Statistics of Sprout

Start at: 2018-02-27 17:47:05
End at: 2018-02-27 17:47:35
Local clock offset: 2.301 ms
Remote clock offset: -6.245 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.37 Mbit/s
95th percentile per-packet one-way delay: 34.986 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 14.37 Mbit/s
95th percentile per-packet one-way delay: 34.986 ms
Loss rate: 0.19%

Run 7: Report of Sprout — Data Link

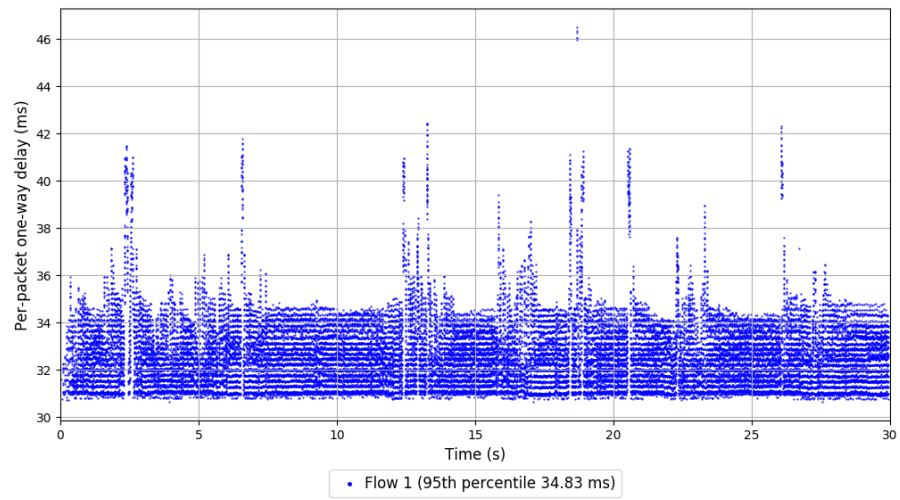
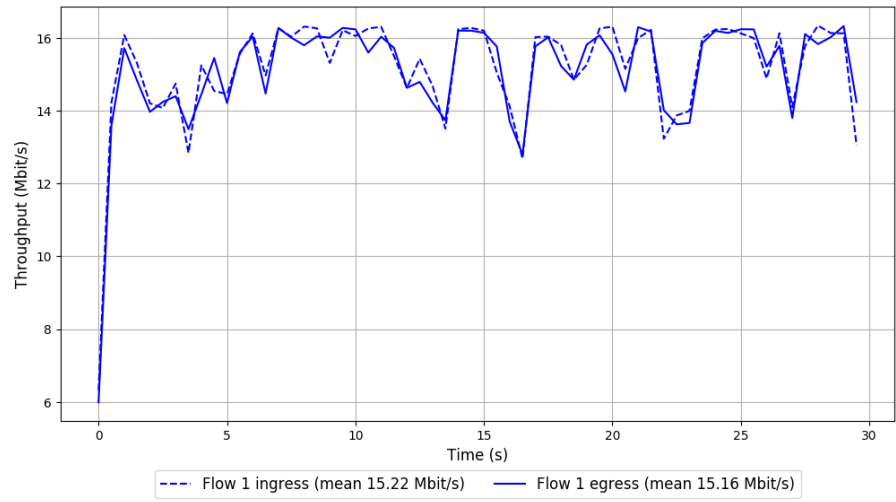


Run 8: Statistics of Sprout

Start at: 2018-02-27 18:12:19
End at: 2018-02-27 18:12:49
Local clock offset: -4.301 ms
Remote clock offset: -6.203 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 34.826 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 34.826 ms
Loss rate: 0.43%

Run 8: Report of Sprout — Data Link

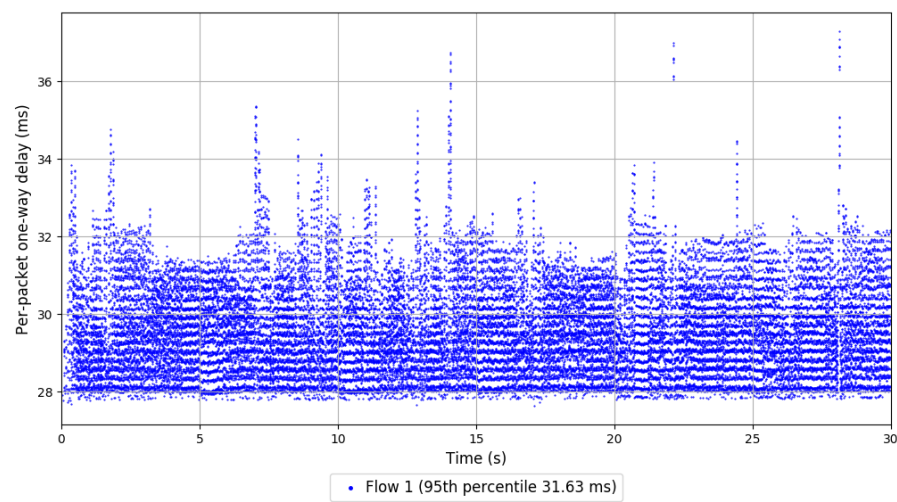
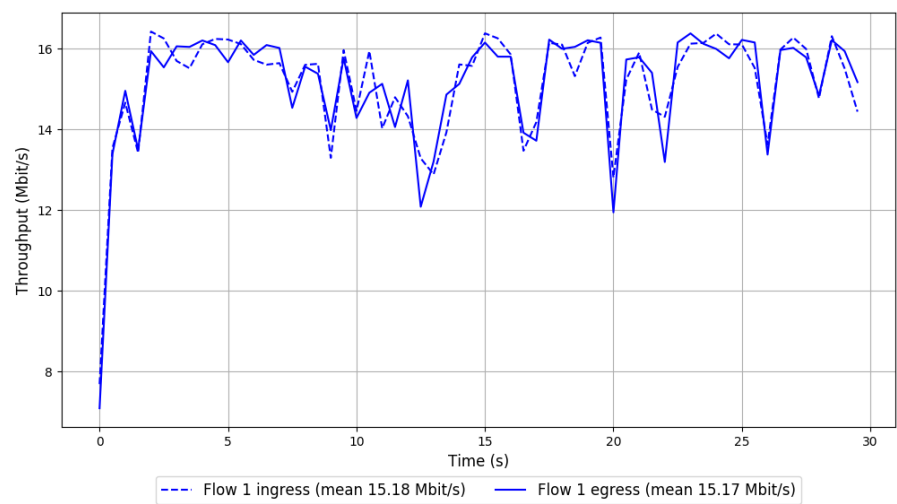


Run 9: Statistics of Sprout

Start at: 2018-02-27 18:38:42
End at: 2018-02-27 18:39:12
Local clock offset: -0.576 ms
Remote clock offset: -3.848 ms

Below is generated by plot.py at 2018-02-27 19:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.17 Mbit/s
95th percentile per-packet one-way delay: 31.633 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 15.17 Mbit/s
95th percentile per-packet one-way delay: 31.633 ms
Loss rate: 0.02%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-27 19:04:25

End at: 2018-02-27 19:04:55

Local clock offset: 2.126 ms

Remote clock offset: -5.0 ms

Below is generated by plot.py at 2018-02-27 19:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.47 Mbit/s

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

Loss rate: 0.07%

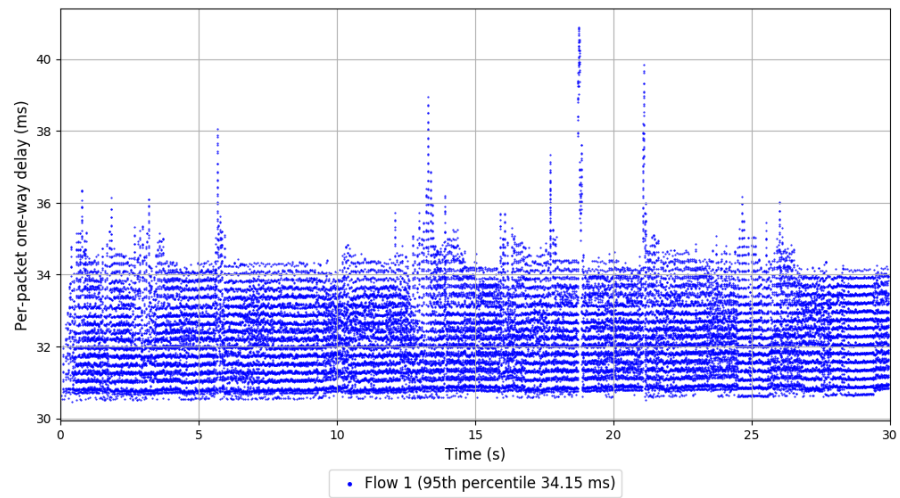
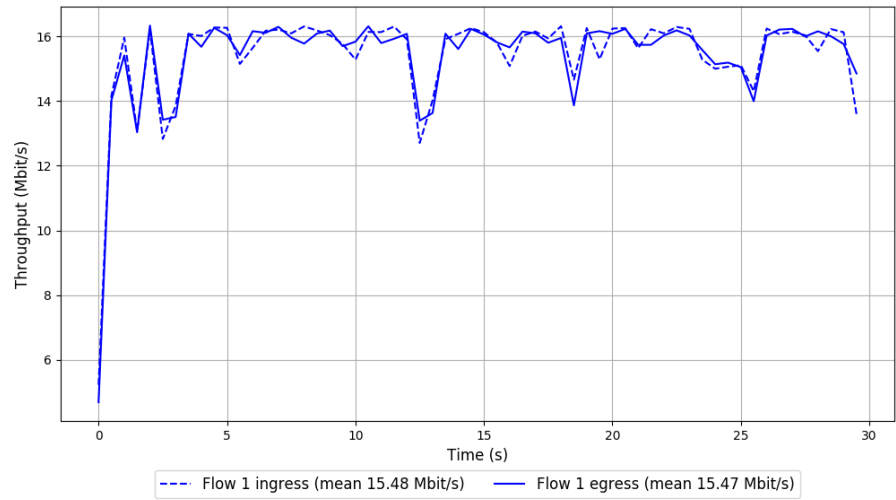
-- Flow 1:

Average throughput: 15.47 Mbit/s

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

Loss rate: 0.07%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-02-27 15:21:43

End at: 2018-02-27 15:22:13

Local clock offset: -3.843 ms

Remote clock offset: -8.225 ms

Below is generated by plot.py at 2018-02-27 19:58:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.37 Mbit/s

95th percentile per-packet one-way delay: 41.576 ms

Loss rate: 0.42%

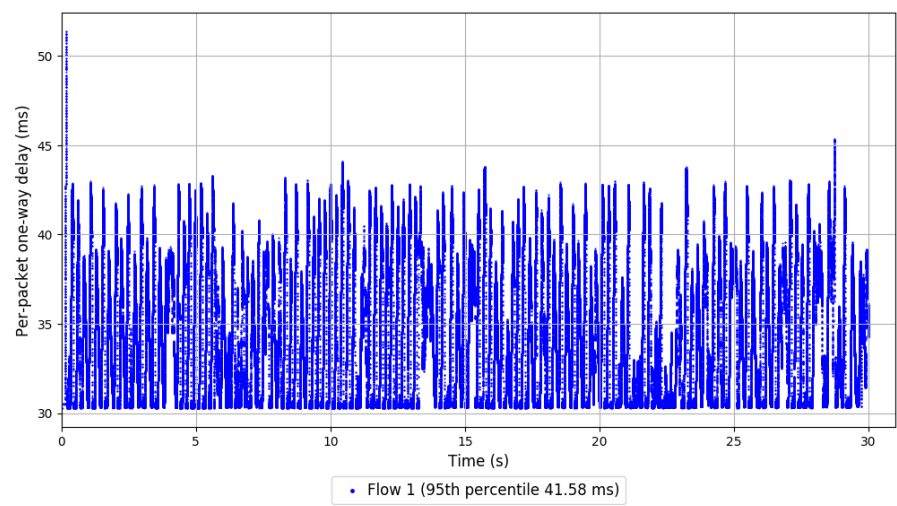
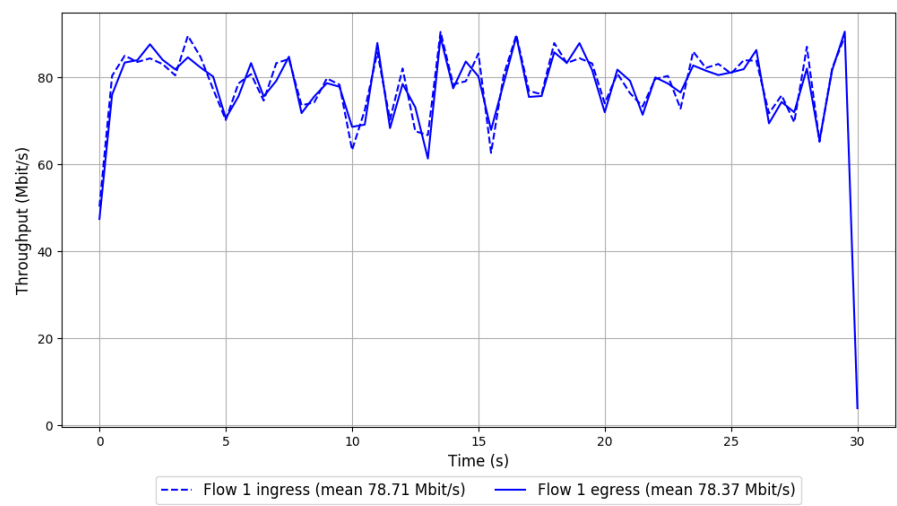
-- Flow 1:

Average throughput: 78.37 Mbit/s

95th percentile per-packet one-way delay: 41.576 ms

Loss rate: 0.42%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-02-27 15:48:22

End at: 2018-02-27 15:48:52

Local clock offset: -6.575 ms

Remote clock offset: -5.815 ms

Below is generated by plot.py at 2018-02-27 19:58:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 39.222 ms

Loss rate: 0.46%

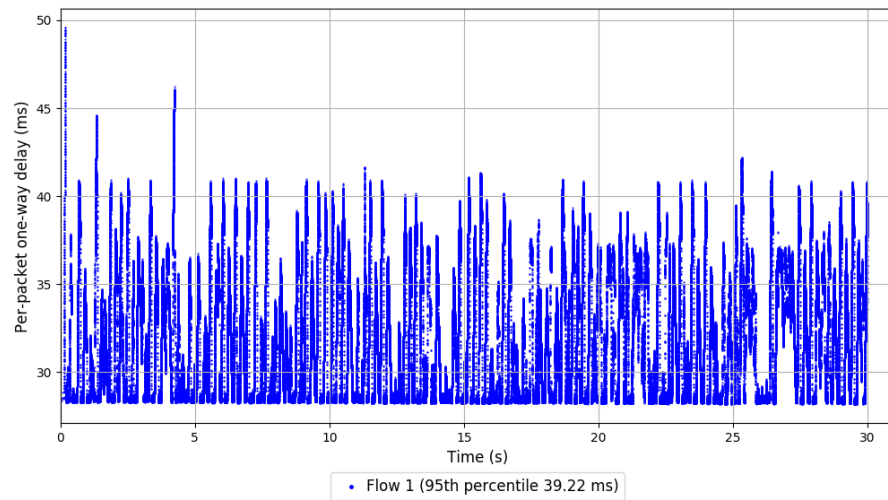
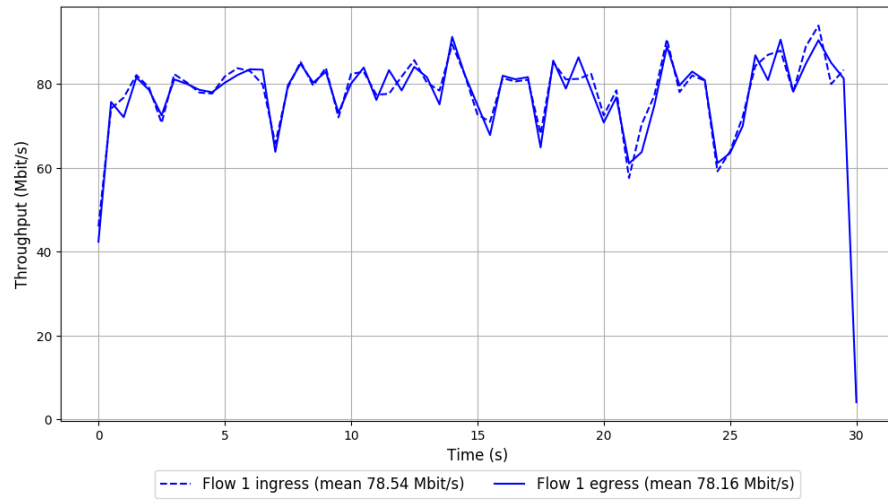
-- Flow 1:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 39.222 ms

Loss rate: 0.46%

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

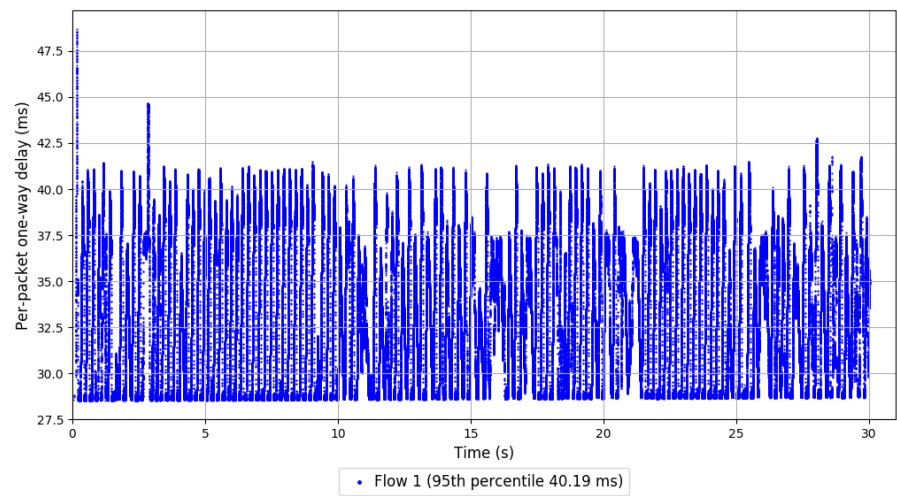
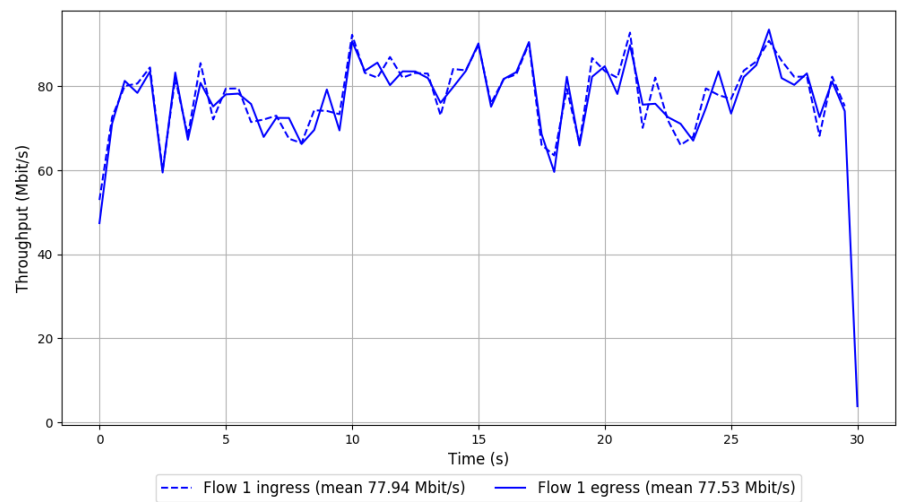


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-27 16:14:40
End at: 2018-02-27 16:15:10
Local clock offset: -5.789 ms
Remote clock offset: -6.135 ms

Below is generated by plot.py at 2018-02-27 19:59:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 40.186 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 40.186 ms
Loss rate: 0.50%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-27 16:39:17

End at: 2018-02-27 16:39:47

Local clock offset: -2.75 ms

Remote clock offset: -4.33 ms

Below is generated by plot.py at 2018-02-27 19:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.90 Mbit/s

95th percentile per-packet one-way delay: 40.978 ms

Loss rate: 0.54%

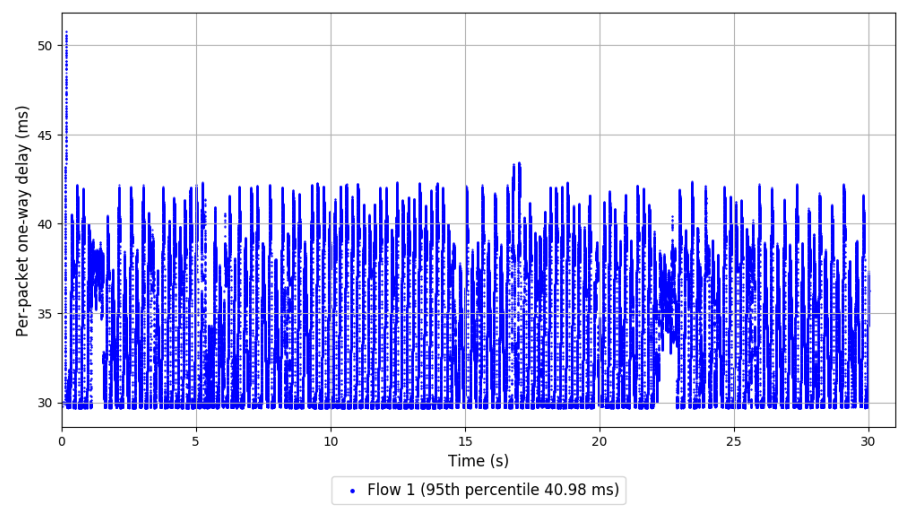
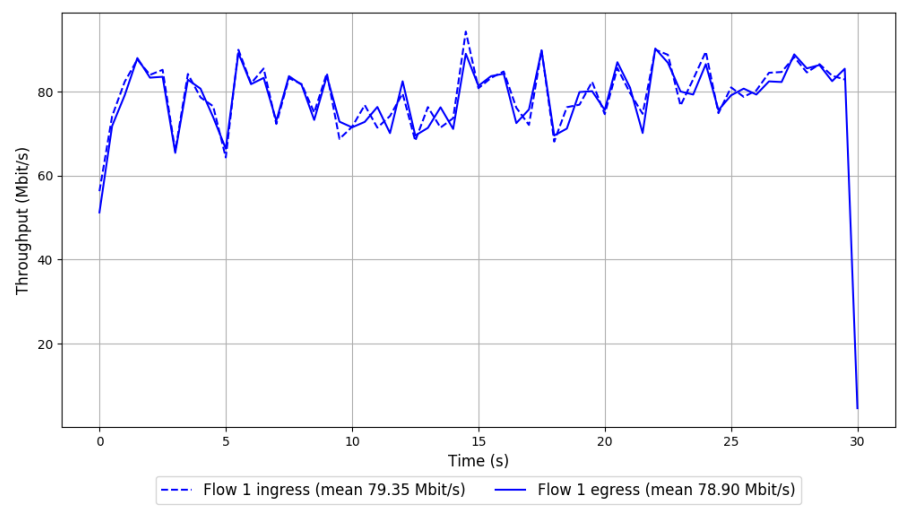
-- Flow 1:

Average throughput: 78.90 Mbit/s

95th percentile per-packet one-way delay: 40.978 ms

Loss rate: 0.54%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-27 17:05:04

End at: 2018-02-27 17:05:34

Local clock offset: -4.036 ms

Remote clock offset: -4.821 ms

Below is generated by plot.py at 2018-02-27 19:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.88 Mbit/s

95th percentile per-packet one-way delay: 41.482 ms

Loss rate: 0.60%

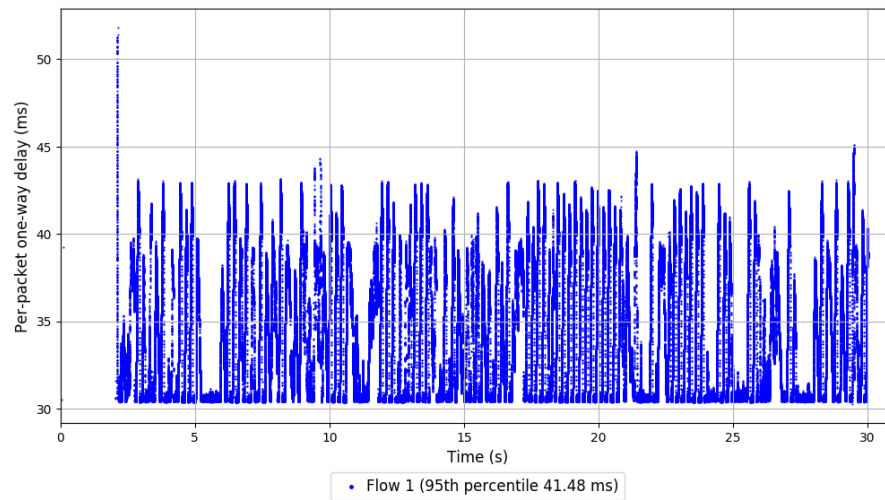
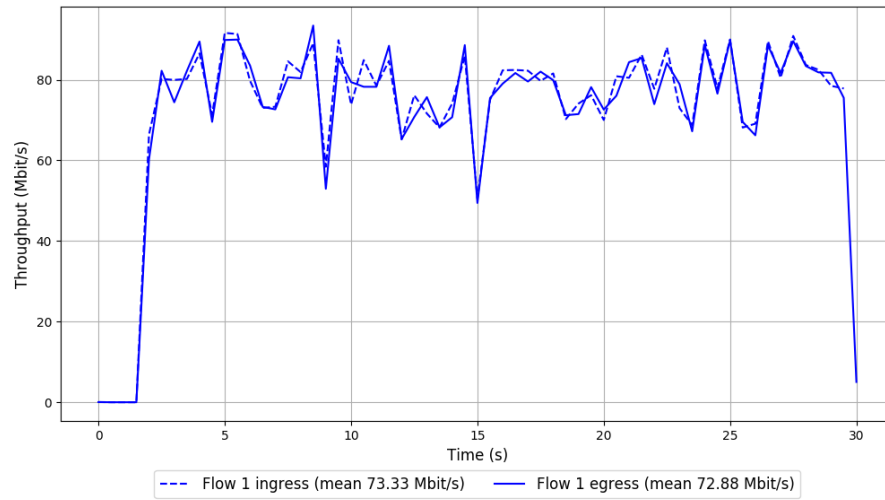
-- Flow 1:

Average throughput: 72.88 Mbit/s

95th percentile per-packet one-way delay: 41.482 ms

Loss rate: 0.60%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-27 17:33:39

End at: 2018-02-27 17:34:09

Local clock offset: 0.815 ms

Remote clock offset: -7.87 ms

Below is generated by plot.py at 2018-02-27 19:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 37.648 ms

Loss rate: 0.32%

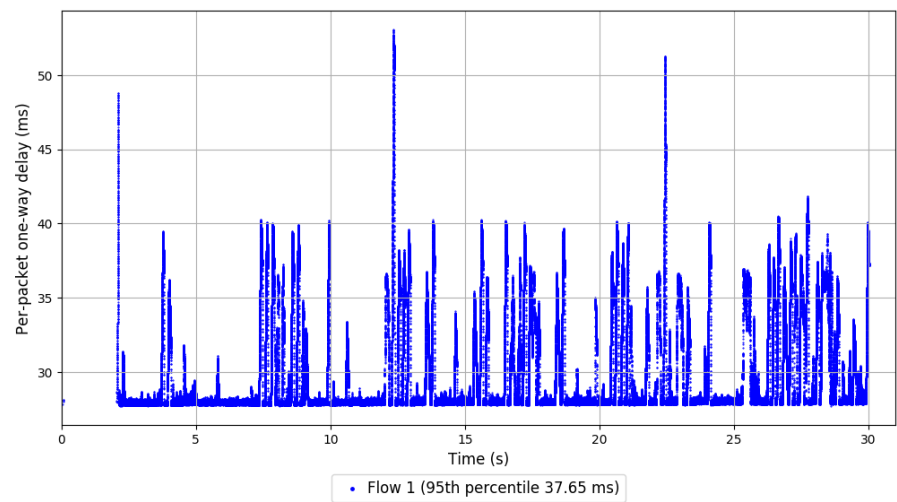
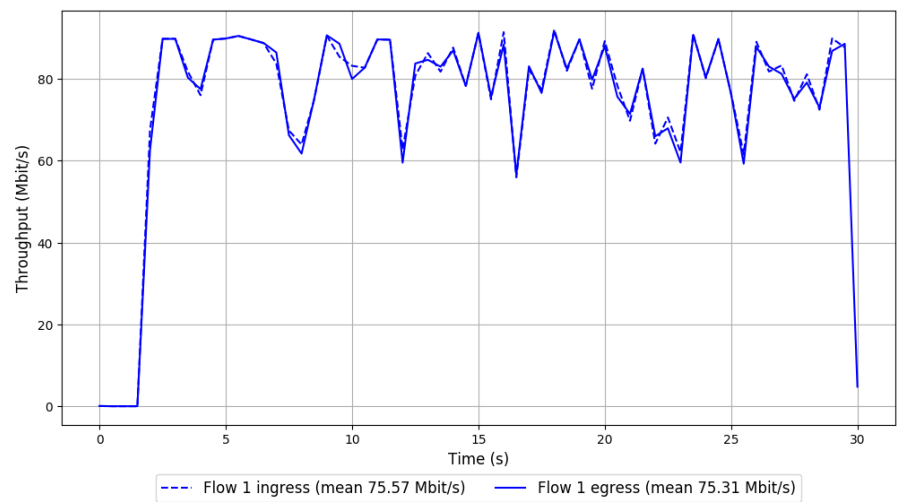
-- Flow 1:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 37.648 ms

Loss rate: 0.32%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-27 18:01:00

End at: 2018-02-27 18:01:30

Local clock offset: -2.28 ms

Remote clock offset: -8.45 ms

Below is generated by plot.py at 2018-02-27 19:59:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.98 Mbit/s

95th percentile per-packet one-way delay: 38.845 ms

Loss rate: 0.49%

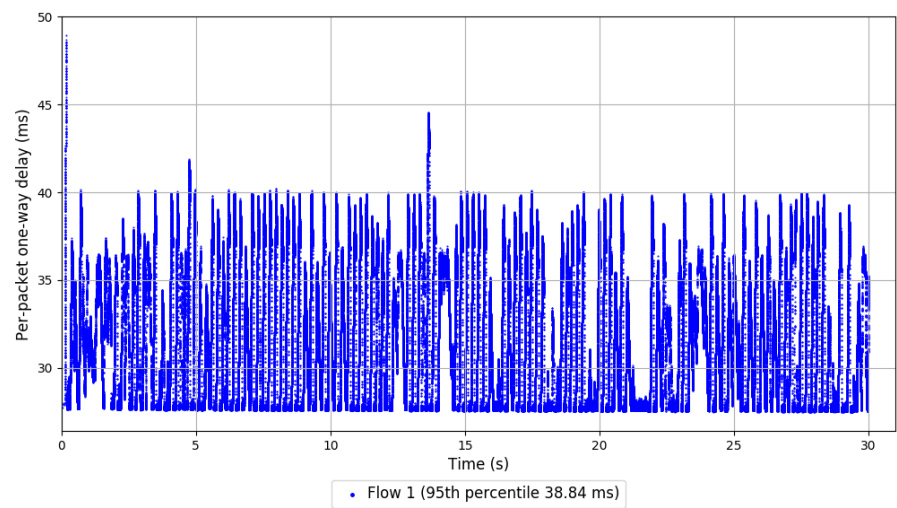
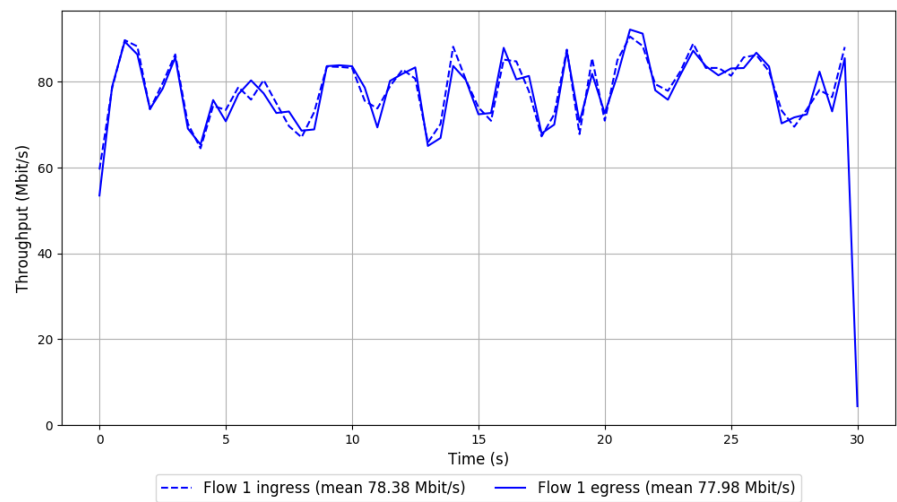
-- Flow 1:

Average throughput: 77.98 Mbit/s

95th percentile per-packet one-way delay: 38.845 ms

Loss rate: 0.49%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-27 18:26:34

End at: 2018-02-27 18:27:04

Local clock offset: -4.685 ms

Remote clock offset: -3.148 ms

Below is generated by plot.py at 2018-02-27 19:59:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.42 Mbit/s

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

Loss rate: 0.14%

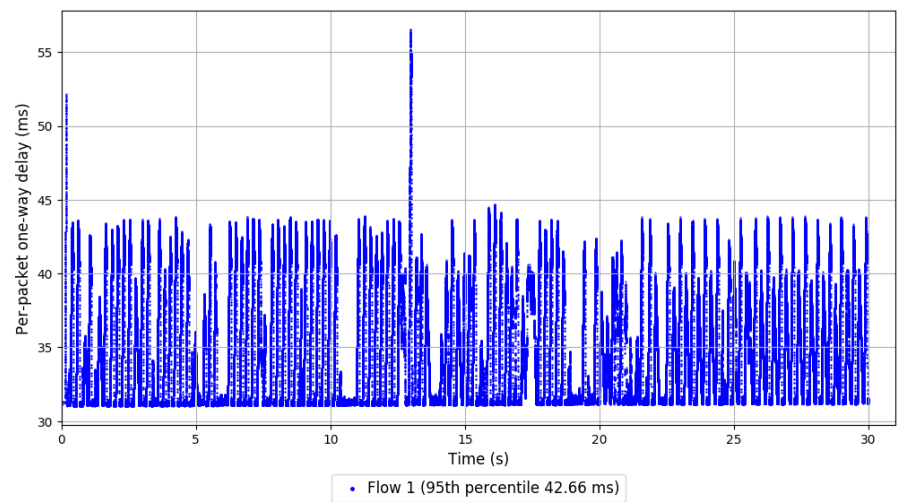
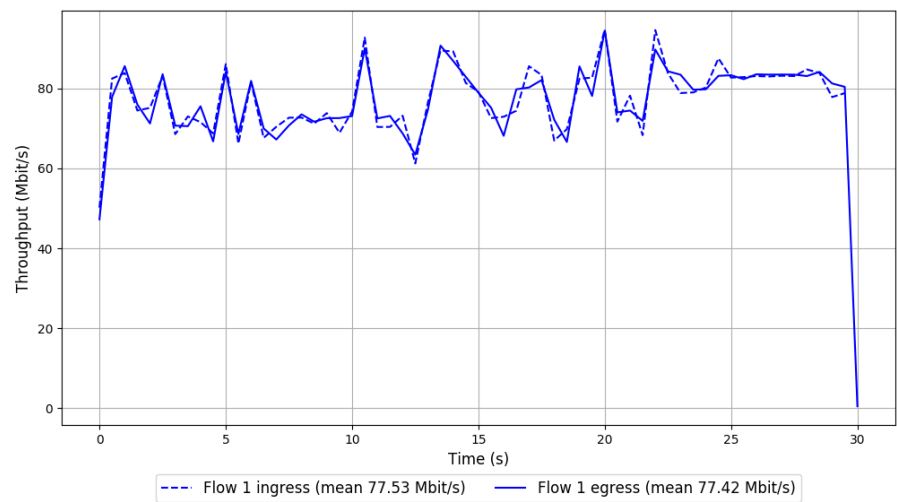
-- Flow 1:

Average throughput: 77.42 Mbit/s

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

Loss rate: 0.14%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-27 18:52:54

End at: 2018-02-27 18:53:24

Local clock offset: 1.394 ms

Remote clock offset: -0.505 ms

Below is generated by plot.py at 2018-02-27 20:01:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.94 Mbit/s

95th percentile per-packet one-way delay: 42.600 ms

Loss rate: 0.54%

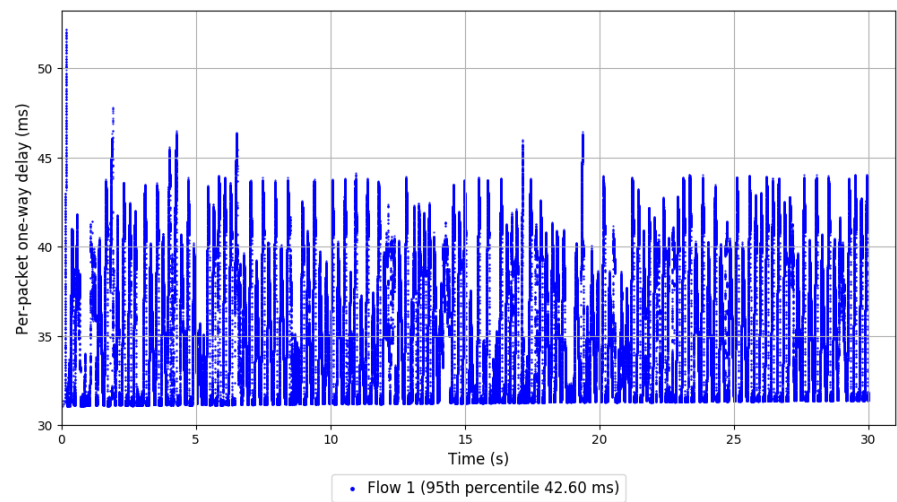
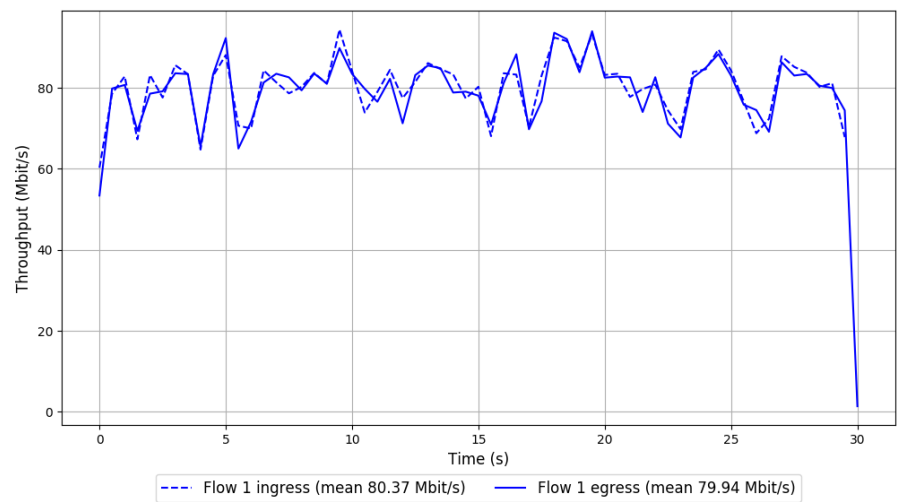
-- Flow 1:

Average throughput: 79.94 Mbit/s

95th percentile per-packet one-way delay: 42.600 ms

Loss rate: 0.54%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-27 19:19:21

End at: 2018-02-27 19:19:51

Local clock offset: 2.915 ms

Remote clock offset: -9.206 ms

Below is generated by plot.py at 2018-02-27 20:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.48 Mbit/s

95th percentile per-packet one-way delay: 39.796 ms

Loss rate: 0.08%

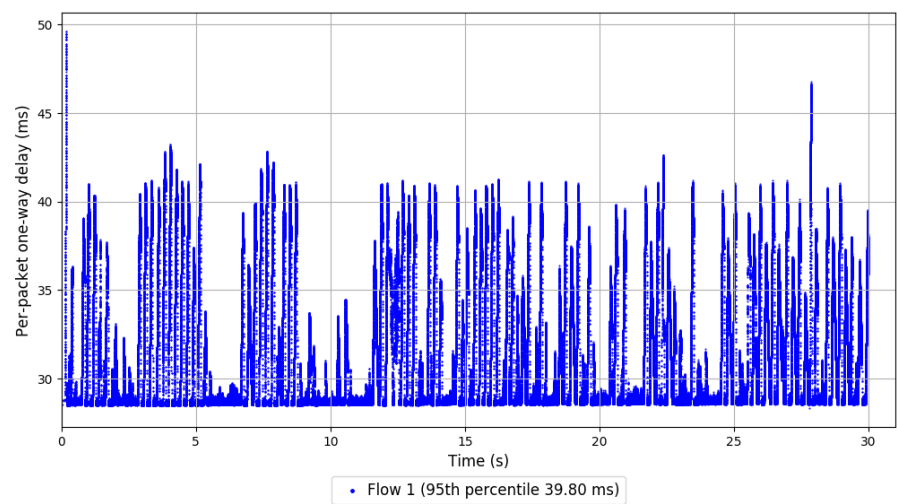
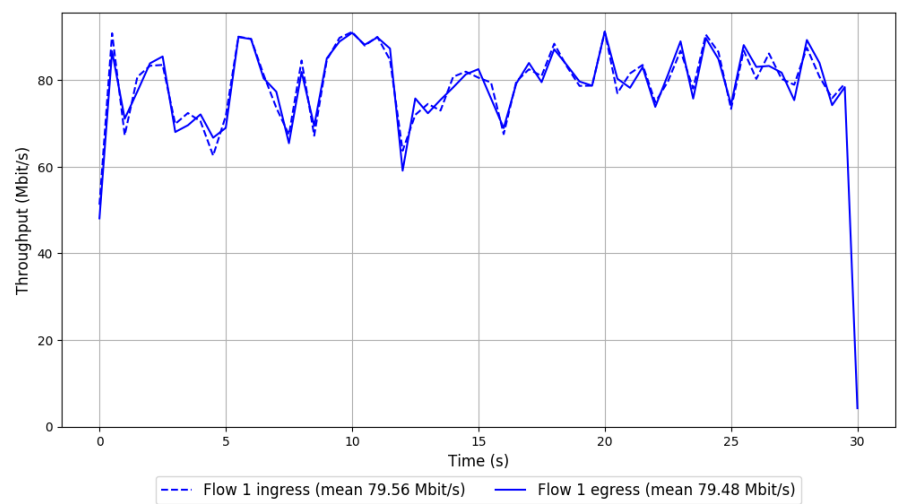
-- Flow 1:

Average throughput: 79.48 Mbit/s

95th percentile per-packet one-way delay: 39.796 ms

Loss rate: 0.08%

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

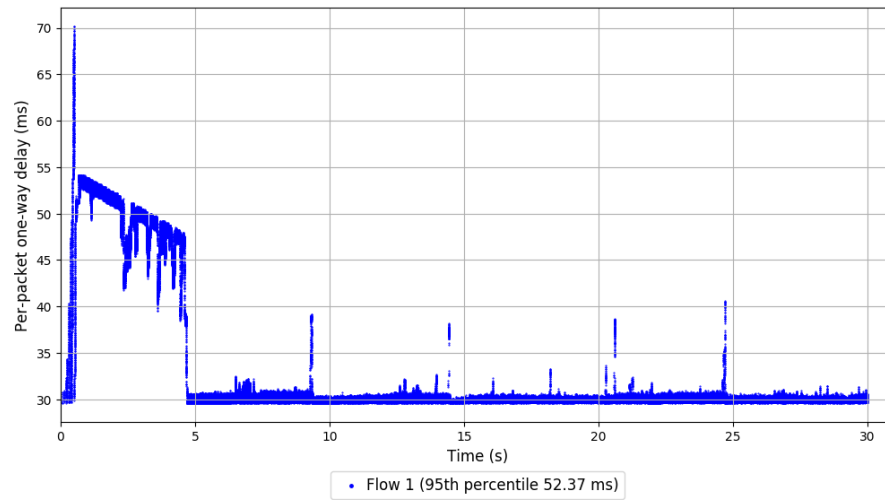
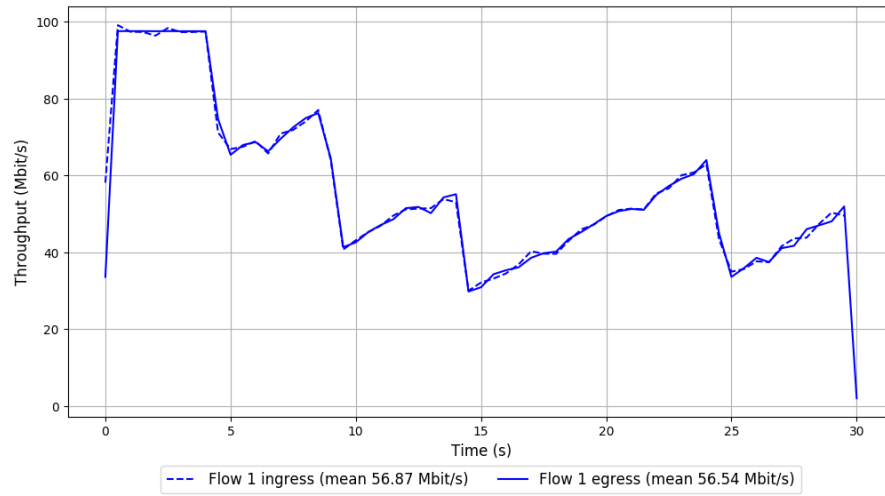


Run 1: Statistics of TCP Vegas

Start at: 2018-02-27 15:17:30
End at: 2018-02-27 15:18:00
Local clock offset: -3.387 ms
Remote clock offset: -7.561 ms

Below is generated by plot.py at 2018-02-27 20:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 52.368 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 52.368 ms
Loss rate: 0.57%

Run 1: Report of TCP Vegas — Data Link

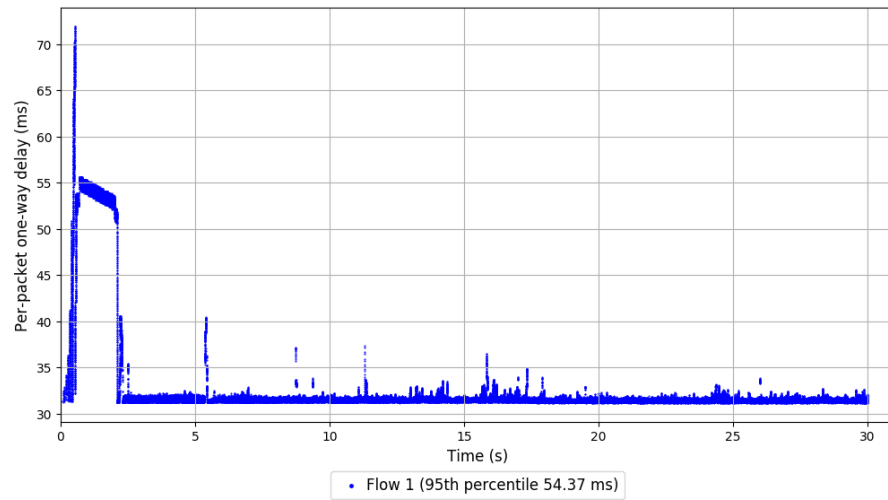
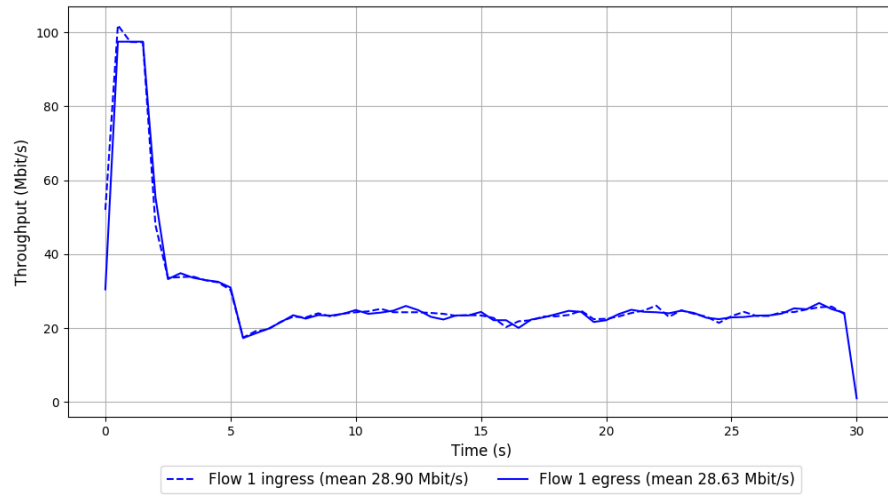


Run 2: Statistics of TCP Vegas

Start at: 2018-02-27 15:43:59
End at: 2018-02-27 15:44:29
Local clock offset: -6.228 ms
Remote clock offset: -3.365 ms

Below is generated by plot.py at 2018-02-27 20:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 54.371 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 54.371 ms
Loss rate: 0.94%

Run 2: Report of TCP Vegas — Data Link

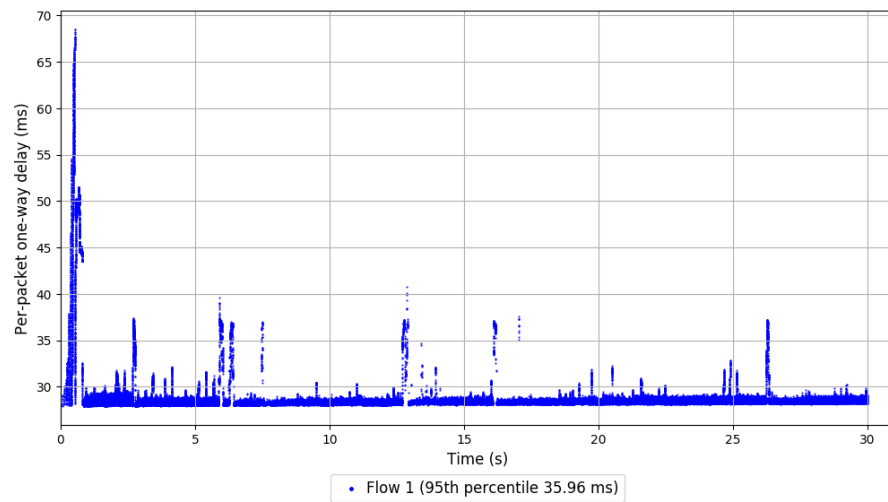
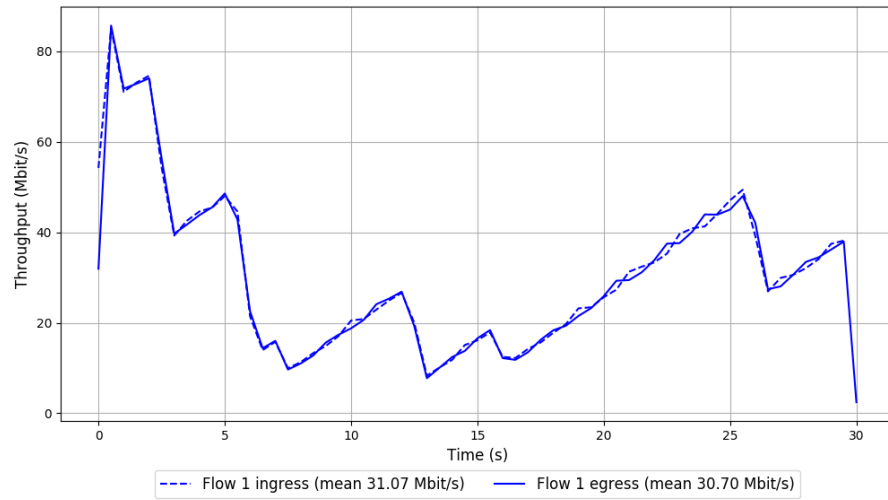


Run 3: Statistics of TCP Vegas

Start at: 2018-02-27 16:10:23
End at: 2018-02-27 16:10:53
Local clock offset: -7.583 ms
Remote clock offset: -5.976 ms

Below is generated by plot.py at 2018-02-27 20:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 35.957 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 35.957 ms
Loss rate: 1.16%

Run 3: Report of TCP Vegas — Data Link

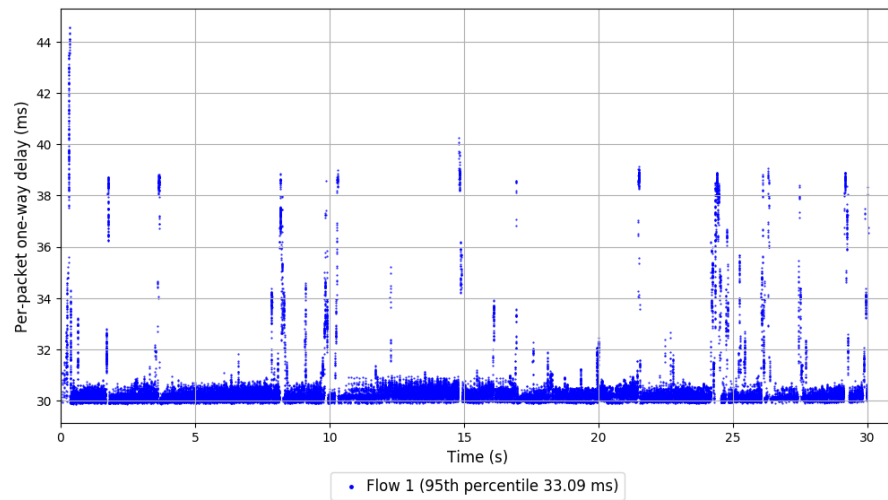
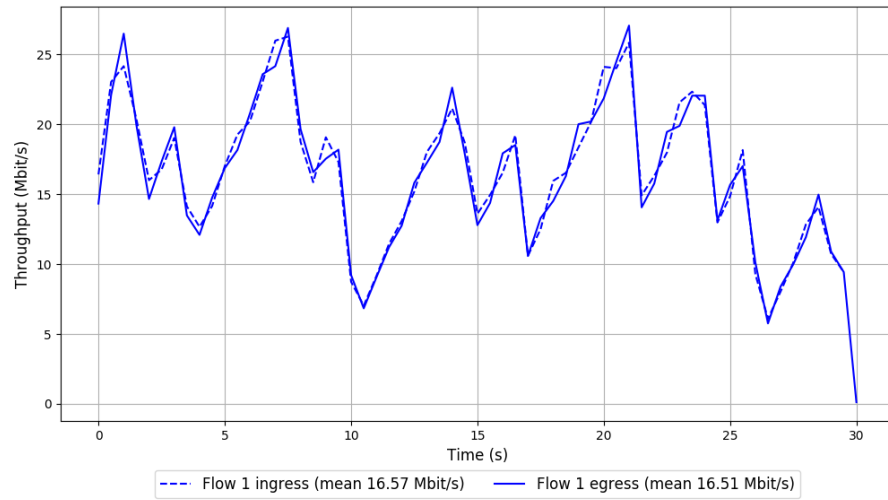


Run 4: Statistics of TCP Vegas

Start at: 2018-02-27 16:35:18
End at: 2018-02-27 16:35:49
Local clock offset: -2.962 ms
Remote clock offset: -4.271 ms

Below is generated by plot.py at 2018-02-27 20:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.51 Mbit/s
95th percentile per-packet one-way delay: 33.089 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 16.51 Mbit/s
95th percentile per-packet one-way delay: 33.089 ms
Loss rate: 0.35%

Run 4: Report of TCP Vegas — Data Link

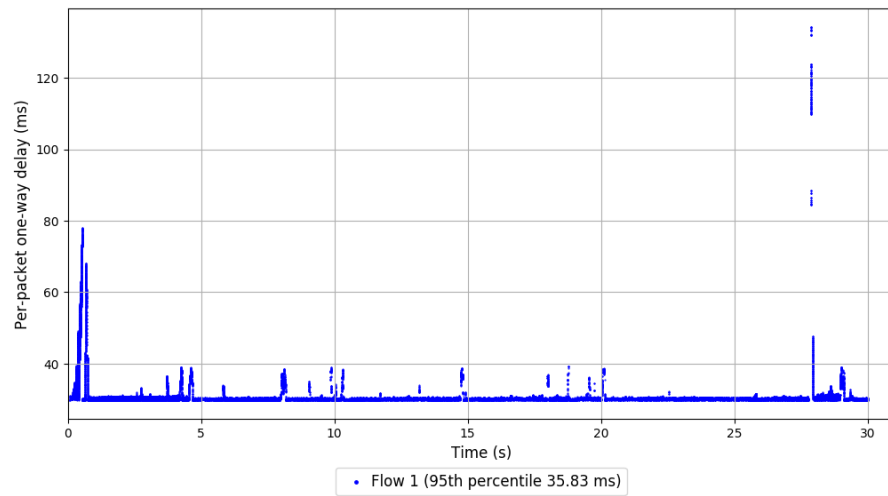
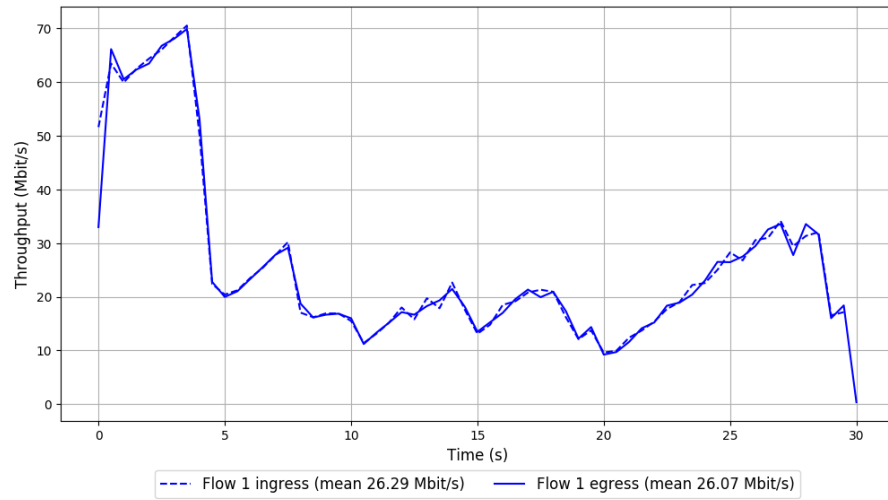


Run 5: Statistics of TCP Vegas

Start at: 2018-02-27 17:00:40
End at: 2018-02-27 17:01:10
Local clock offset: -3.991 ms
Remote clock offset: -4.637 ms

Below is generated by plot.py at 2018-02-27 20:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.07 Mbit/s
95th percentile per-packet one-way delay: 35.831 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 26.07 Mbit/s
95th percentile per-packet one-way delay: 35.831 ms
Loss rate: 0.86%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

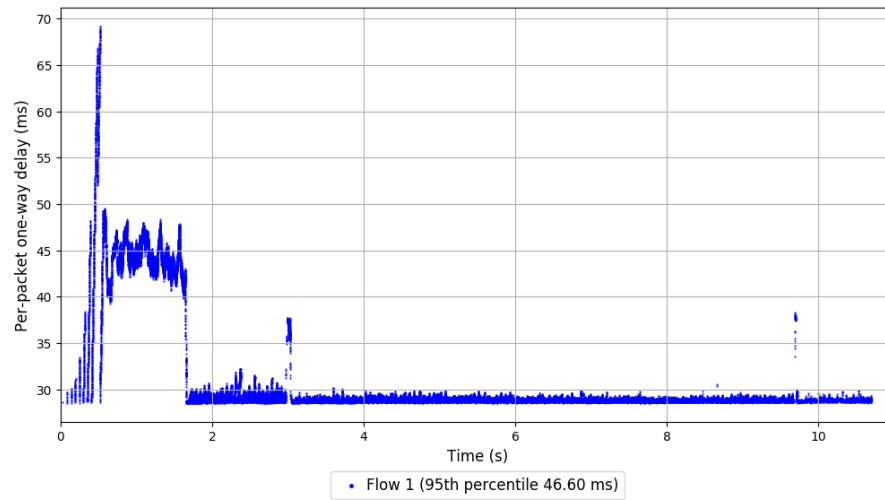
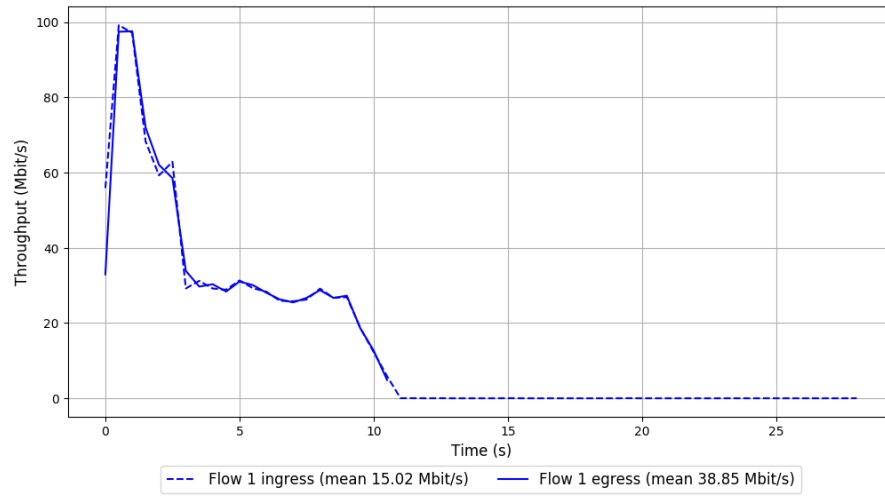
Start at: 2018-02-27 17:26:36

End at: 2018-02-27 17:27:06

Local clock offset: -0.448 ms

Remote clock offset: -7.414 ms

Run 6: Report of TCP Vegas — Data Link

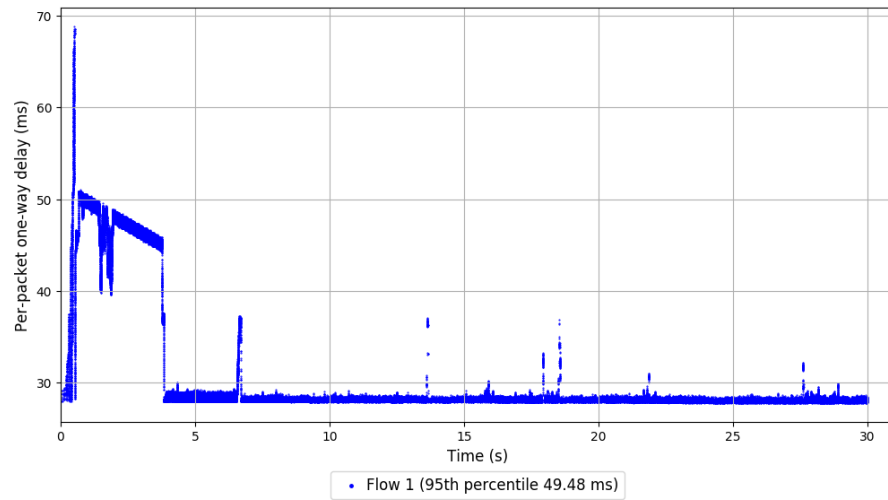
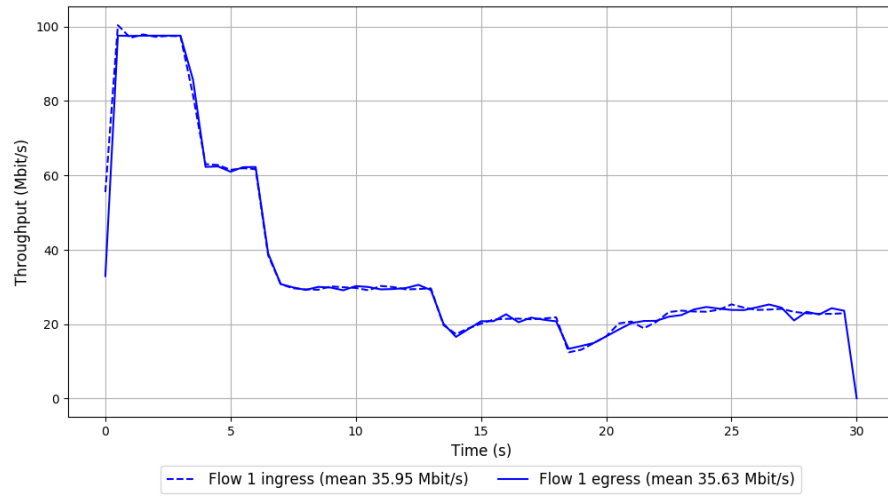


Run 7: Statistics of TCP Vegas

Start at: 2018-02-27 17:56:50
End at: 2018-02-27 17:57:20
Local clock offset: -0.654 ms
Remote clock offset: -8.625 ms

Below is generated by plot.py at 2018-02-27 20:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 49.485 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 49.485 ms
Loss rate: 0.88%

Run 7: Report of TCP Vegas — Data Link

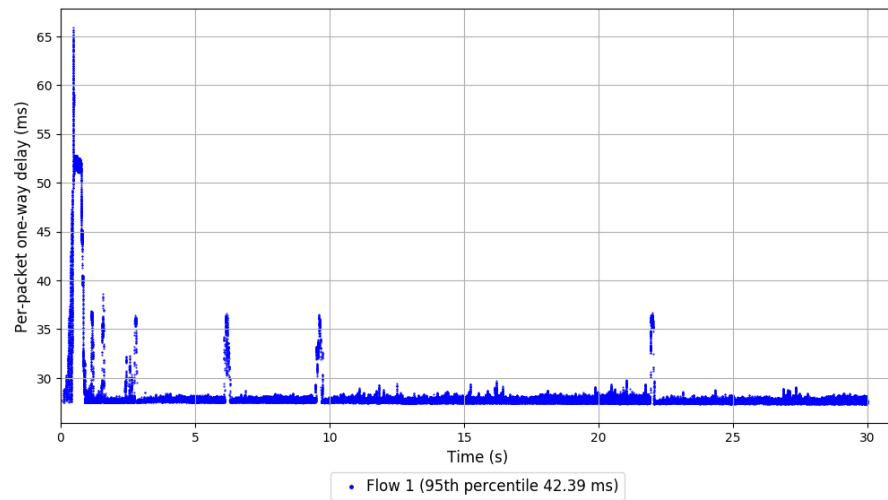
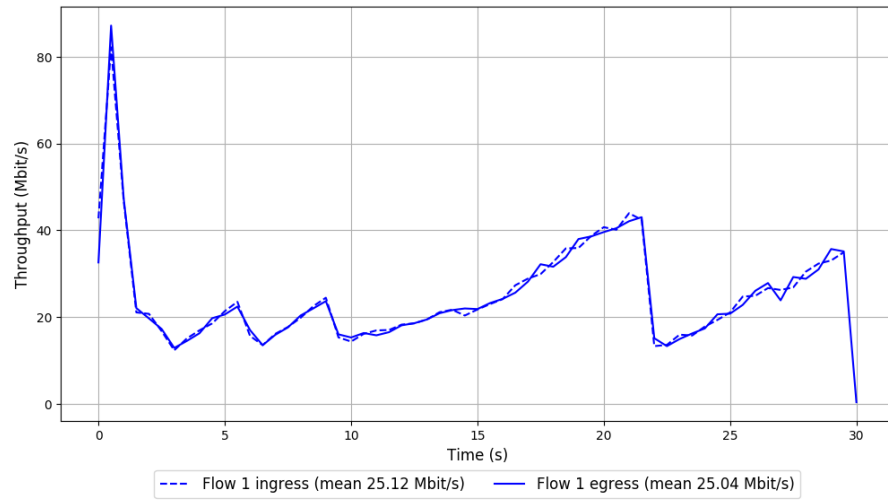


Run 8: Statistics of TCP Vegas

Start at: 2018-02-27 18:22:17
End at: 2018-02-27 18:22:47
Local clock offset: -5.016 ms
Remote clock offset: -6.893 ms

Below is generated by plot.py at 2018-02-27 20:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 42.390 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 42.390 ms
Loss rate: 0.31%

Run 8: Report of TCP Vegas — Data Link

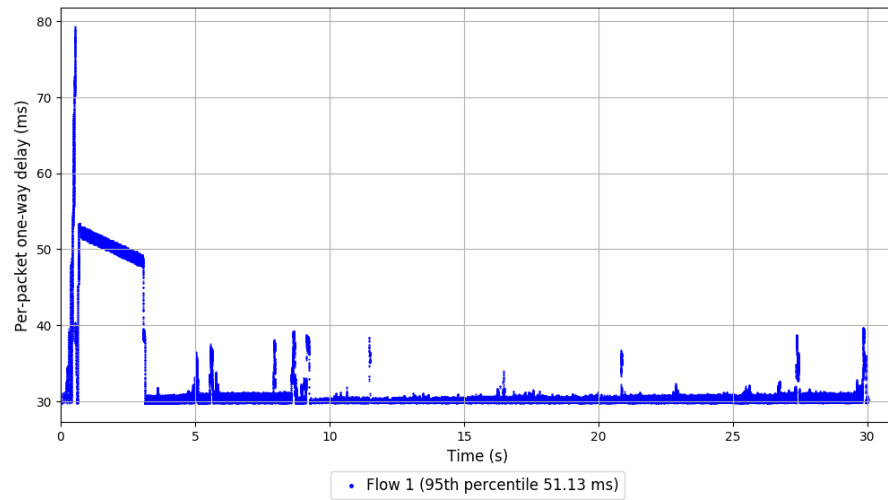
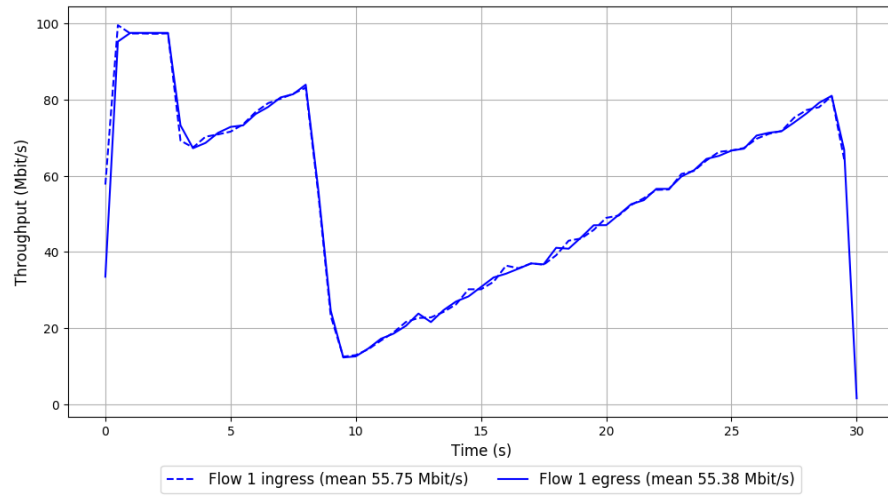


Run 9: Statistics of TCP Vegas

Start at: 2018-02-27 18:48:38
End at: 2018-02-27 18:49:08
Local clock offset: 0.932 ms
Remote clock offset: -1.155 ms

Below is generated by plot.py at 2018-02-27 20:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 51.133 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 51.133 ms
Loss rate: 0.66%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-27 19:14:50

End at: 2018-02-27 19:15:20

Local clock offset: 2.67 ms

Remote clock offset: -8.824 ms

Below is generated by plot.py at 2018-02-27 20:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.35 Mbit/s

95th percentile per-packet one-way delay: 28.755 ms

Loss rate: 0.09%

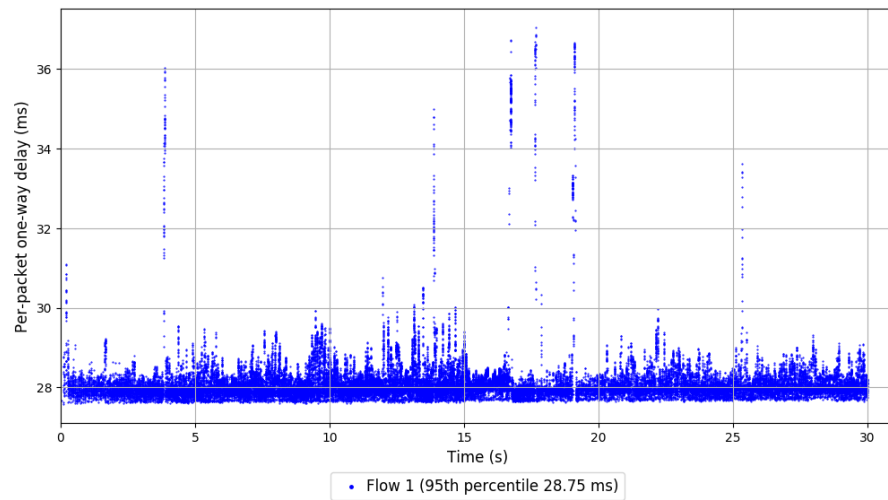
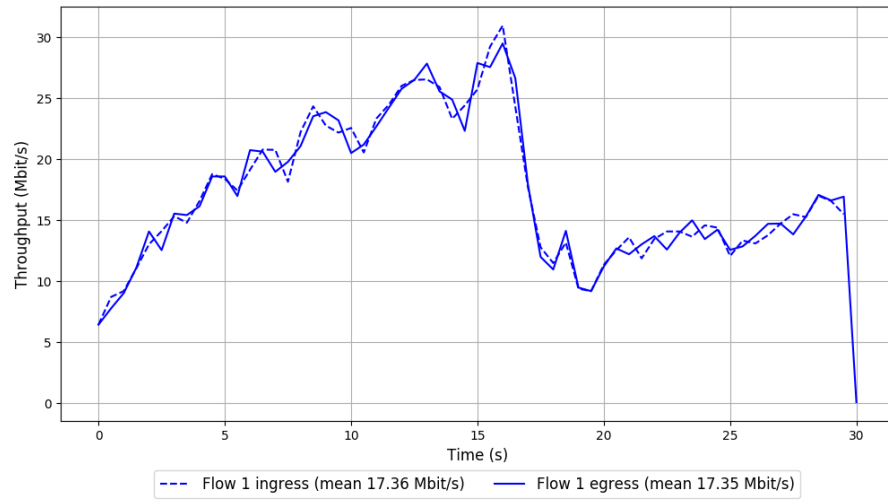
-- Flow 1:

Average throughput: 17.35 Mbit/s

95th percentile per-packet one-way delay: 28.755 ms

Loss rate: 0.09%

Run 10: Report of TCP Vegas — Data Link

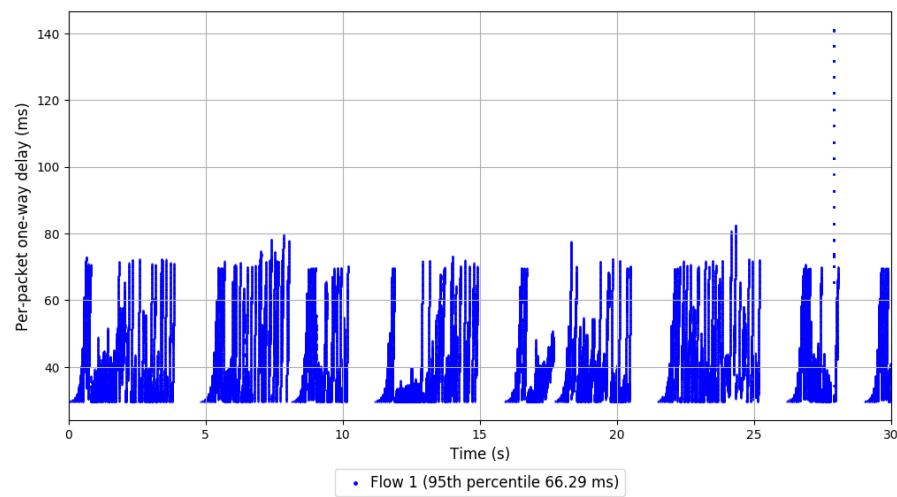
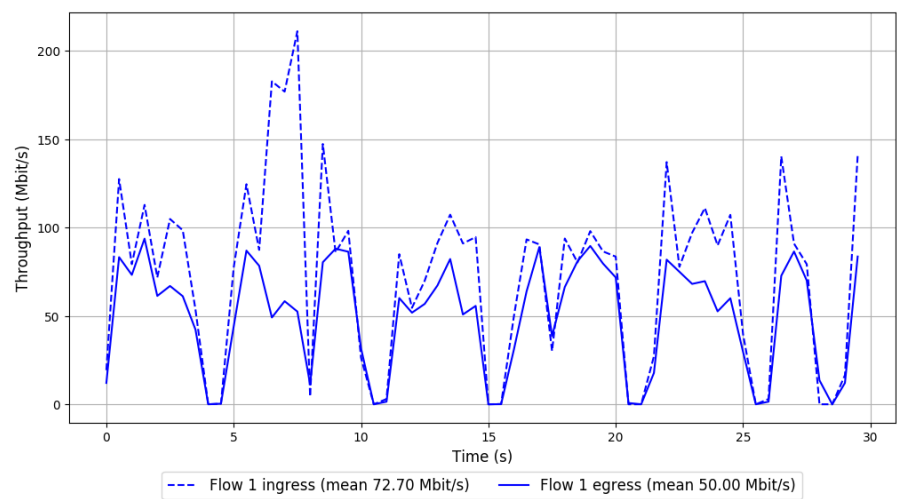


Run 1: Statistics of Verus

Start at: 2018-02-27 15:09:02
End at: 2018-02-27 15:09:32
Local clock offset: -2.006 ms
Remote clock offset: -6.145 ms

Below is generated by plot.py at 2018-02-27 20:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 66.289 ms
Loss rate: 31.19%
-- Flow 1:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 66.289 ms
Loss rate: 31.19%

Run 1: Report of Verus — Data Link

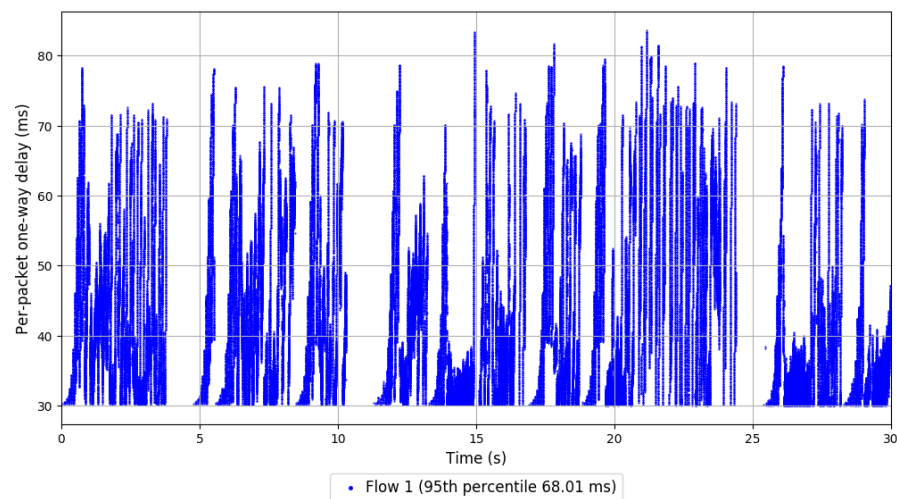
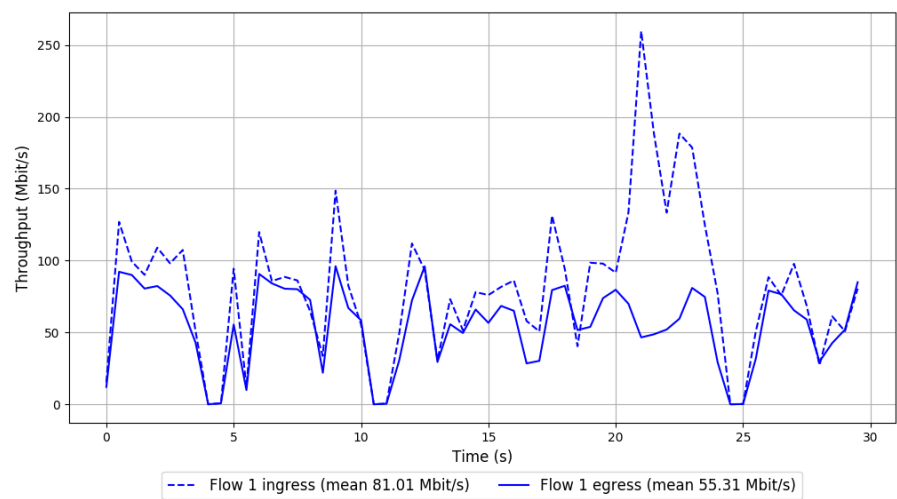


Run 2: Statistics of Verus

Start at: 2018-02-27 15:34:40
End at: 2018-02-27 15:35:10
Local clock offset: -4.841 ms
Remote clock offset: -6.019 ms

Below is generated by plot.py at 2018-02-27 20:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: 68.007 ms
Loss rate: 31.70%
-- Flow 1:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: 68.007 ms
Loss rate: 31.70%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-27 16:02:07

End at: 2018-02-27 16:02:37

Local clock offset: -7.731 ms

Remote clock offset: -2.42 ms

Below is generated by plot.py at 2018-02-27 20:01:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.70 Mbit/s

95th percentile per-packet one-way delay: 72.337 ms

Loss rate: 67.67%

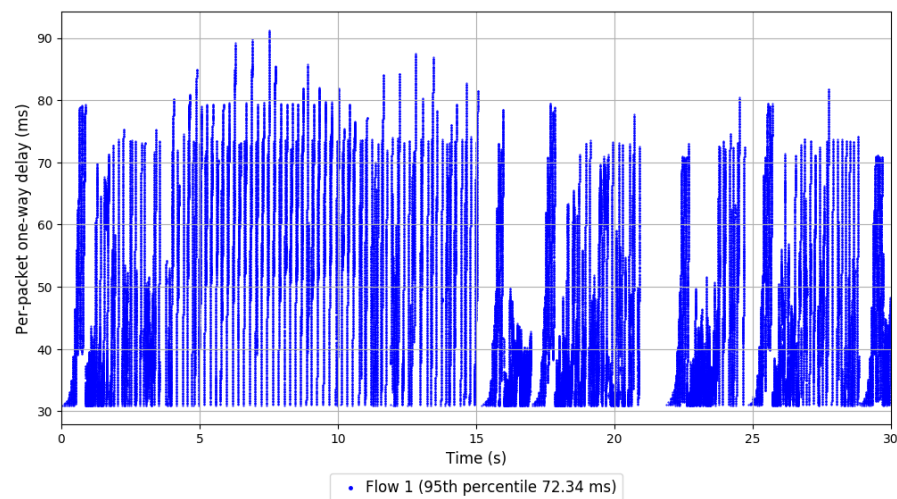
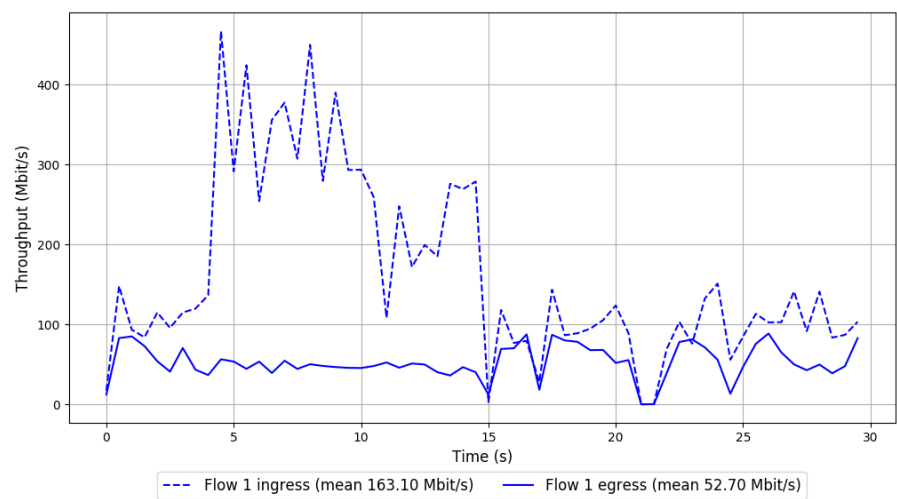
-- Flow 1:

Average throughput: 52.70 Mbit/s

95th percentile per-packet one-way delay: 72.337 ms

Loss rate: 67.67%

Run 3: Report of Verus — Data Link

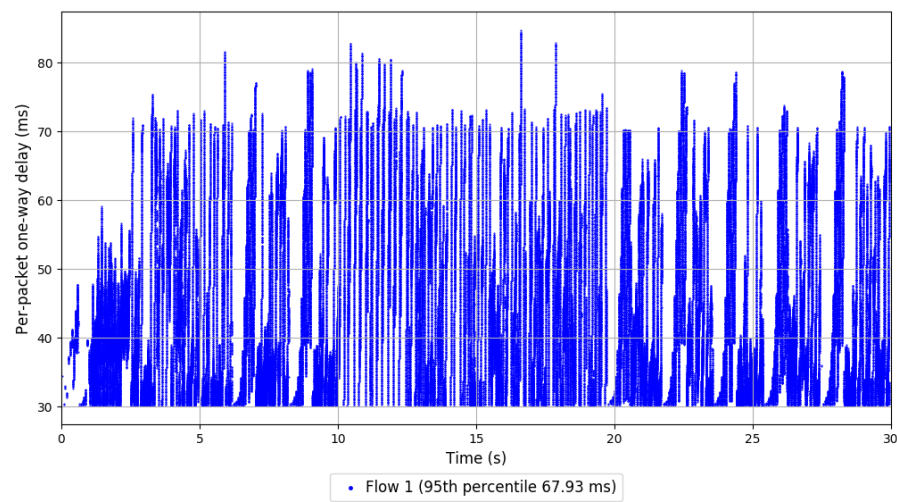
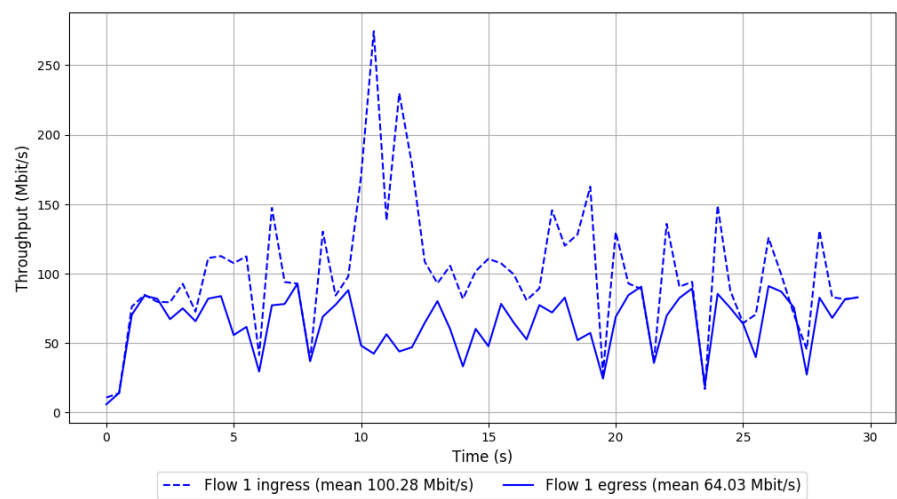


Run 4: Statistics of Verus

Start at: 2018-02-27 16:27:06
End at: 2018-02-27 16:27:36
Local clock offset: -3.615 ms
Remote clock offset: -3.913 ms

Below is generated by plot.py at 2018-02-27 20:01:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.03 Mbit/s
95th percentile per-packet one-way delay: 67.933 ms
Loss rate: 36.15%
-- Flow 1:
Average throughput: 64.03 Mbit/s
95th percentile per-packet one-way delay: 67.933 ms
Loss rate: 36.15%

Run 4: Report of Verus — Data Link

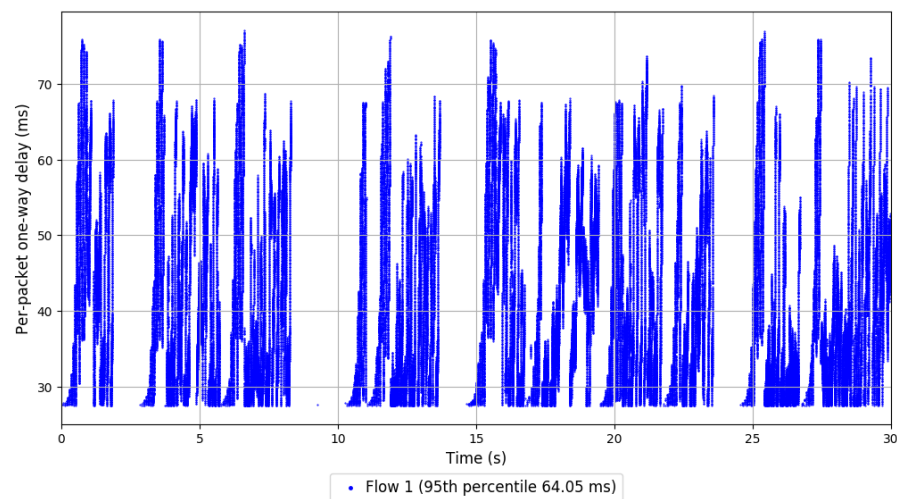
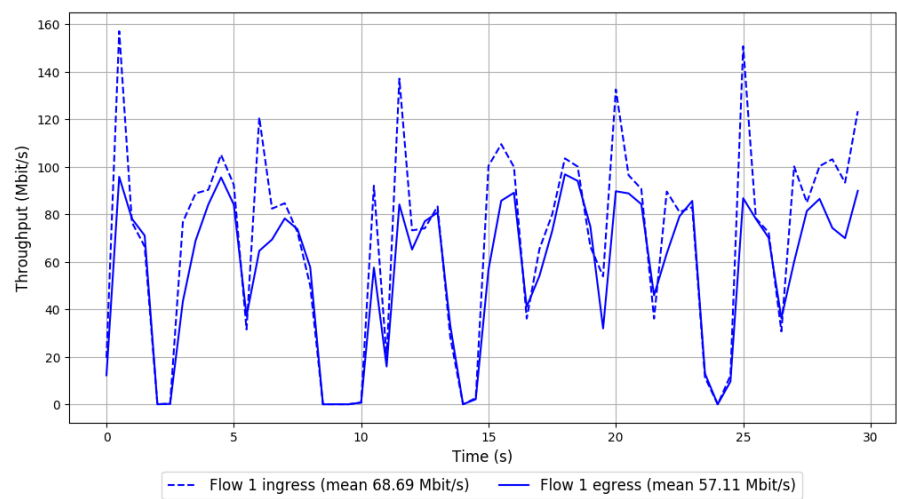


Run 5: Statistics of Verus

Start at: 2018-02-27 16:51:55
End at: 2018-02-27 16:52:25
Local clock offset: -3.586 ms
Remote clock offset: -6.518 ms

Below is generated by plot.py at 2018-02-27 20:01:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 64.052 ms
Loss rate: 16.80%
-- Flow 1:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 64.052 ms
Loss rate: 16.80%

Run 5: Report of Verus — Data Link

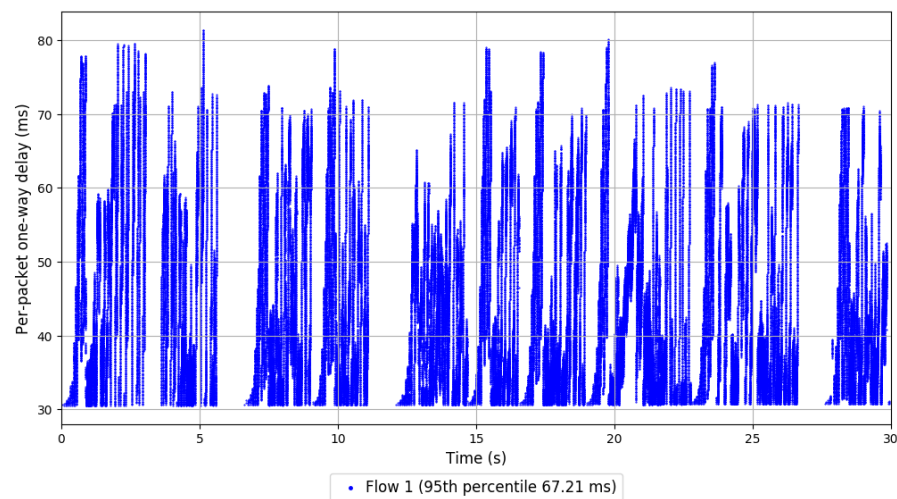
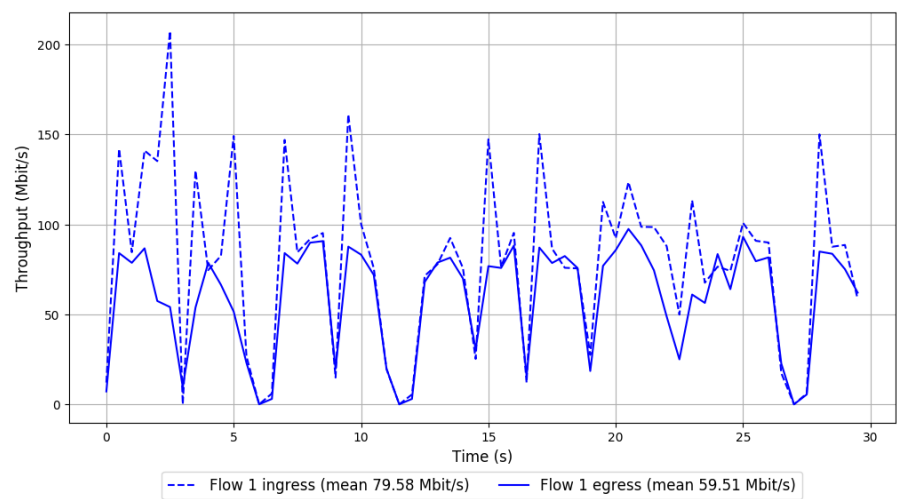


Run 6: Statistics of Verus

Start at: 2018-02-27 17:18:22
End at: 2018-02-27 17:18:52
Local clock offset: -3.565 ms
Remote clock offset: -4.748 ms

Below is generated by plot.py at 2018-02-27 20:01:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 67.214 ms
Loss rate: 25.22%
-- Flow 1:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 67.214 ms
Loss rate: 25.22%

Run 6: Report of Verus — Data Link

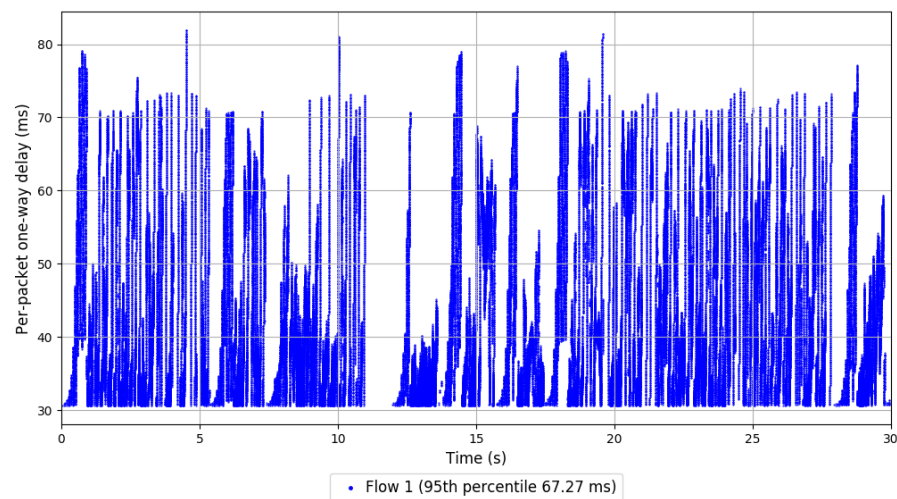
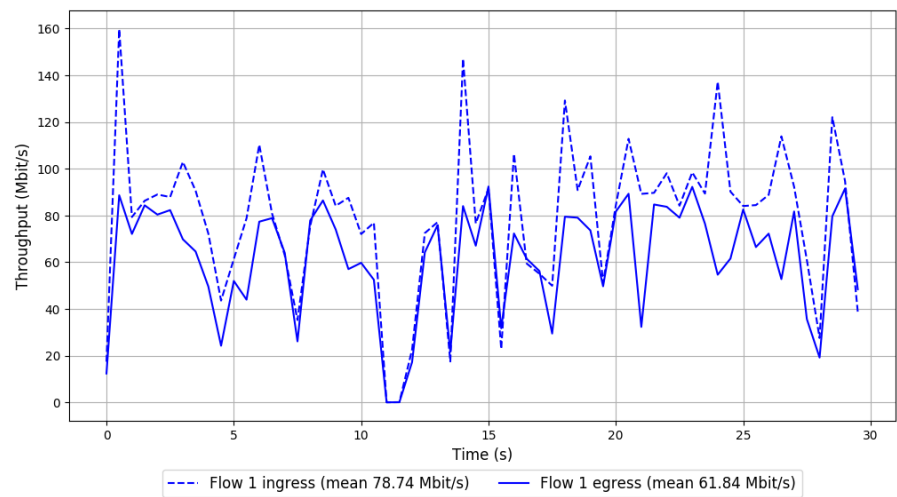


Run 7: Statistics of Verus

Start at: 2018-02-27 17:48:23
End at: 2018-02-27 17:48:53
Local clock offset: 2.516 ms
Remote clock offset: -6.139 ms

Below is generated by plot.py at 2018-02-27 20:01:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 67.268 ms
Loss rate: 21.47%
-- Flow 1:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 67.268 ms
Loss rate: 21.47%

Run 7: Report of Verus — Data Link

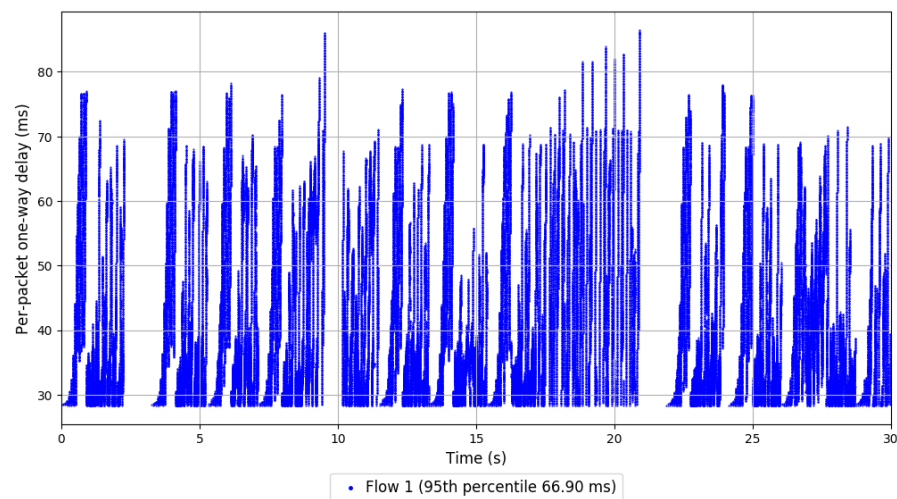
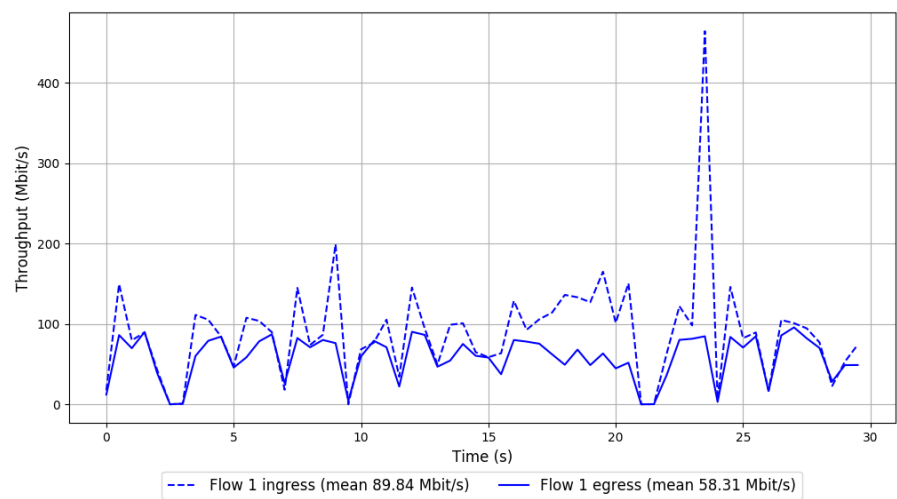


Run 8: Statistics of Verus

Start at: 2018-02-27 18:13:36
End at: 2018-02-27 18:14:06
Local clock offset: -4.402 ms
Remote clock offset: -8.624 ms

Below is generated by plot.py at 2018-02-27 20:01:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 66.896 ms
Loss rate: 35.08%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 66.896 ms
Loss rate: 35.08%

Run 8: Report of Verus — Data Link

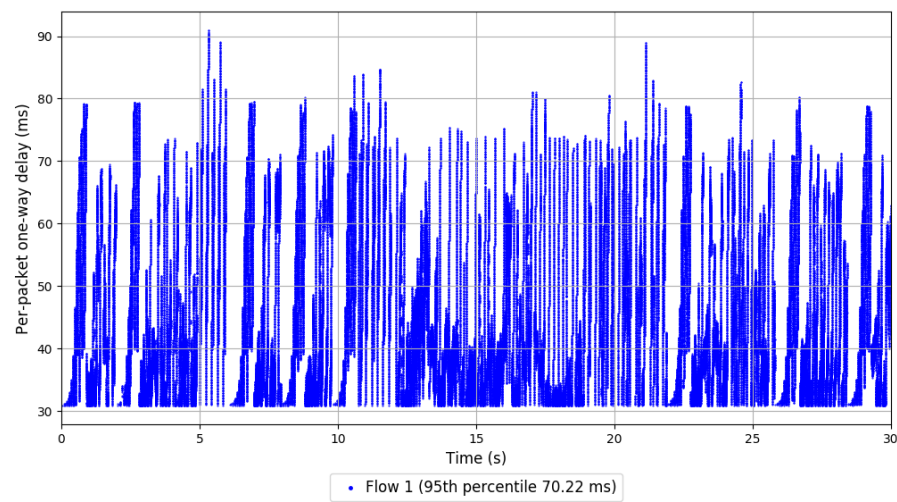
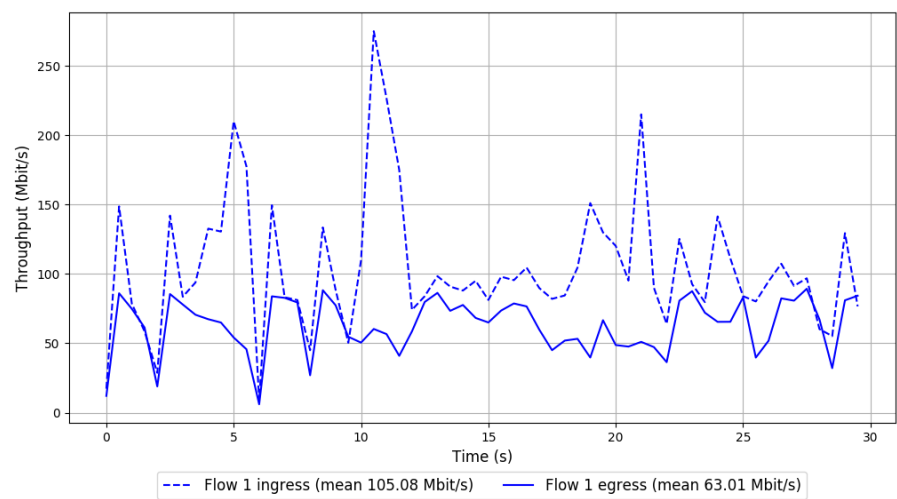


Run 9: Statistics of Verus

Start at: 2018-02-27 18:39:59
End at: 2018-02-27 18:40:29
Local clock offset: -0.228 ms
Remote clock offset: -1.259 ms

Below is generated by plot.py at 2018-02-27 20:01:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.01 Mbit/s
95th percentile per-packet one-way delay: 70.222 ms
Loss rate: 39.97%
-- Flow 1:
Average throughput: 63.01 Mbit/s
95th percentile per-packet one-way delay: 70.222 ms
Loss rate: 39.97%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-27 19:05:42

End at: 2018-02-27 19:06:12

Local clock offset: 2.182 ms

Remote clock offset: -5.11 ms

Below is generated by plot.py at 2018-02-27 20:02:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.26 Mbit/s

95th percentile per-packet one-way delay: 74.943 ms

Loss rate: 71.45%

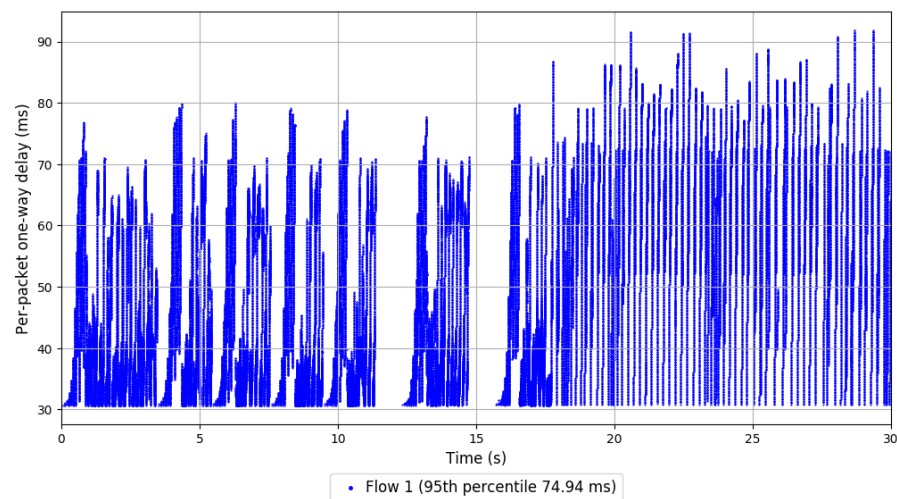
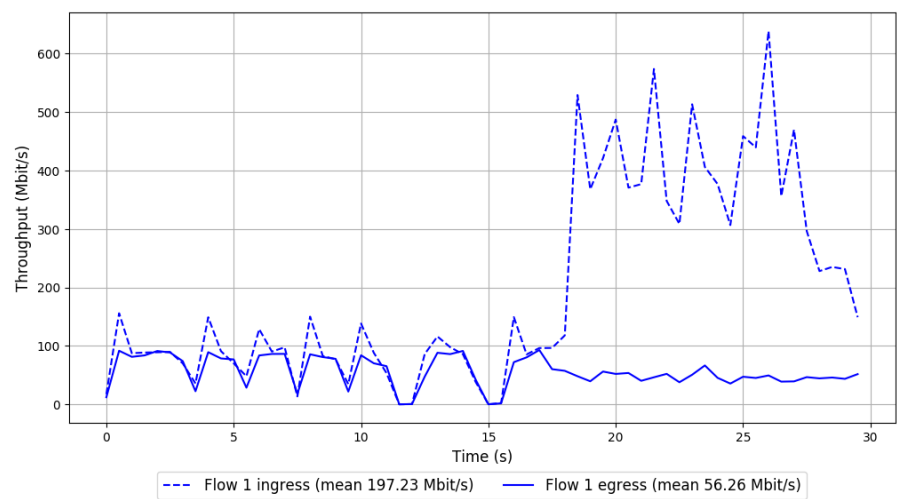
-- Flow 1:

Average throughput: 56.26 Mbit/s

95th percentile per-packet one-way delay: 74.943 ms

Loss rate: 71.45%

Run 10: Report of Verus — Data Link

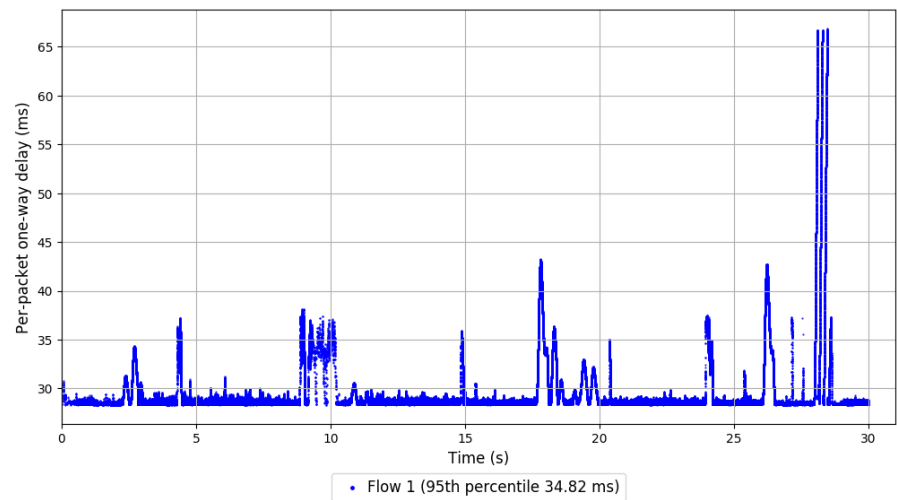
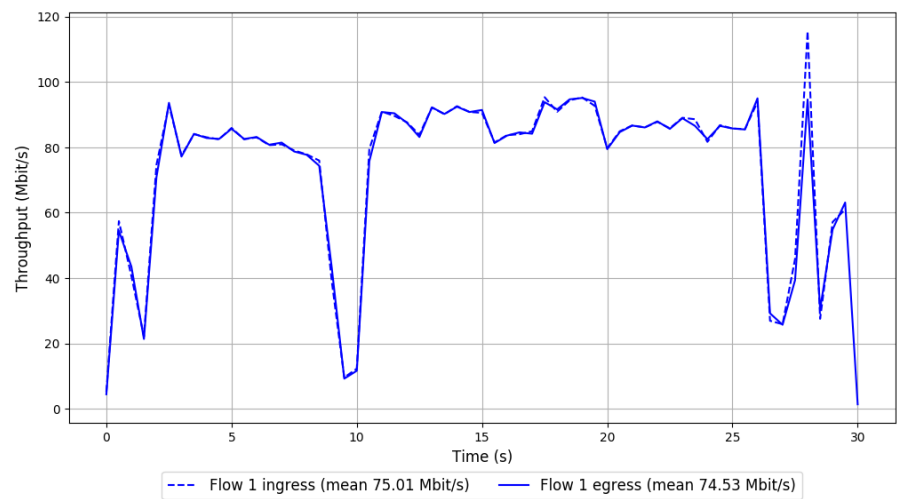


Run 1: Statistics of Copa

Start at: 2018-02-27 15:15:57
End at: 2018-02-27 15:16:27
Local clock offset: -3.22 ms
Remote clock offset: -9.314 ms

Below is generated by plot.py at 2018-02-27 20:02:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.53 Mbit/s
95th percentile per-packet one-way delay: 34.822 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 74.53 Mbit/s
95th percentile per-packet one-way delay: 34.822 ms
Loss rate: 0.64%

Run 1: Report of Copa — Data Link

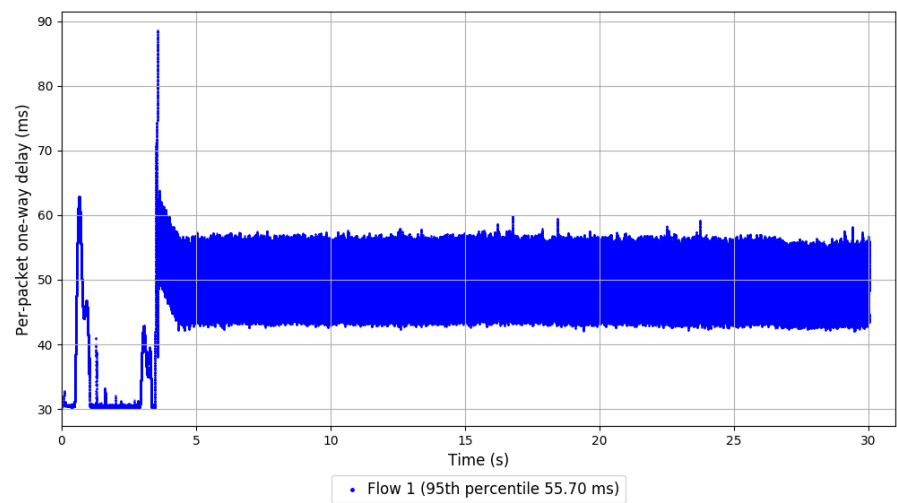
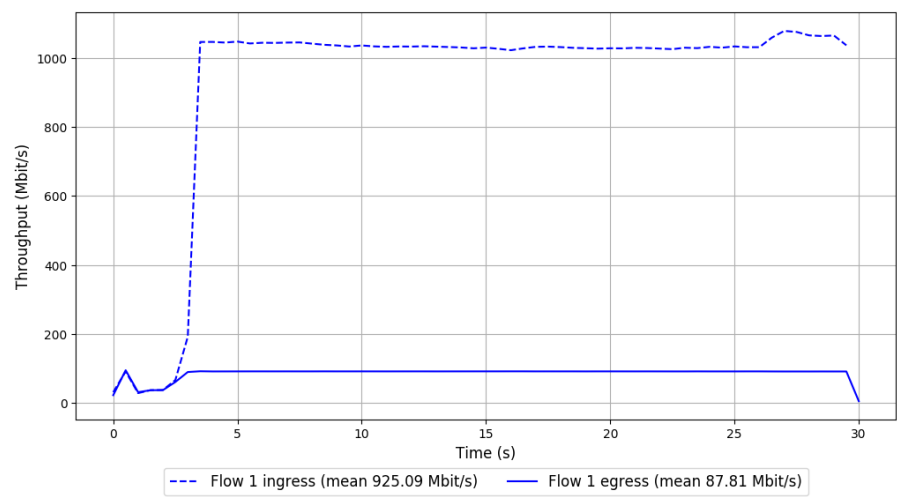


Run 2: Statistics of Copa

Start at: 2018-02-27 15:41:49
End at: 2018-02-27 15:42:19
Local clock offset: -5.961 ms
Remote clock offset: -4.624 ms

Below is generated by plot.py at 2018-02-27 20:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 55.701 ms
Loss rate: 90.50%
-- Flow 1:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 55.701 ms
Loss rate: 90.50%

Run 2: Report of Copa — Data Link

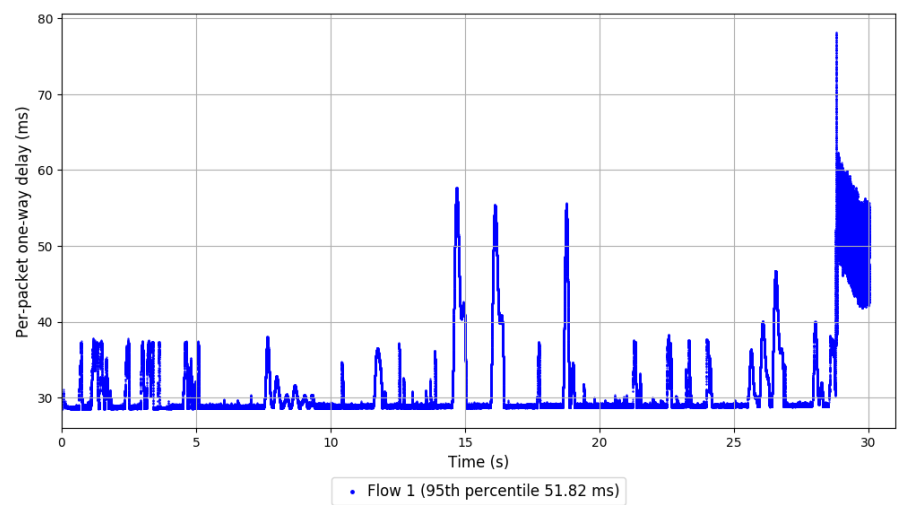
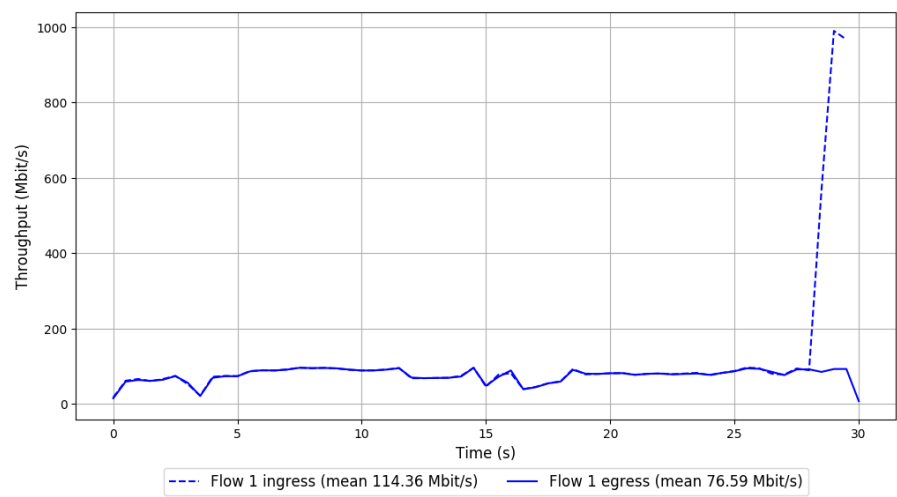


Run 3: Statistics of Copa

Start at: 2018-02-27 16:08:53
End at: 2018-02-27 16:09:23
Local clock offset: -8.181 ms
Remote clock offset: -5.821 ms

Below is generated by plot.py at 2018-02-27 20:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.59 Mbit/s
95th percentile per-packet one-way delay: 51.824 ms
Loss rate: 32.98%
-- Flow 1:
Average throughput: 76.59 Mbit/s
95th percentile per-packet one-way delay: 51.824 ms
Loss rate: 32.98%

Run 3: Report of Copa — Data Link

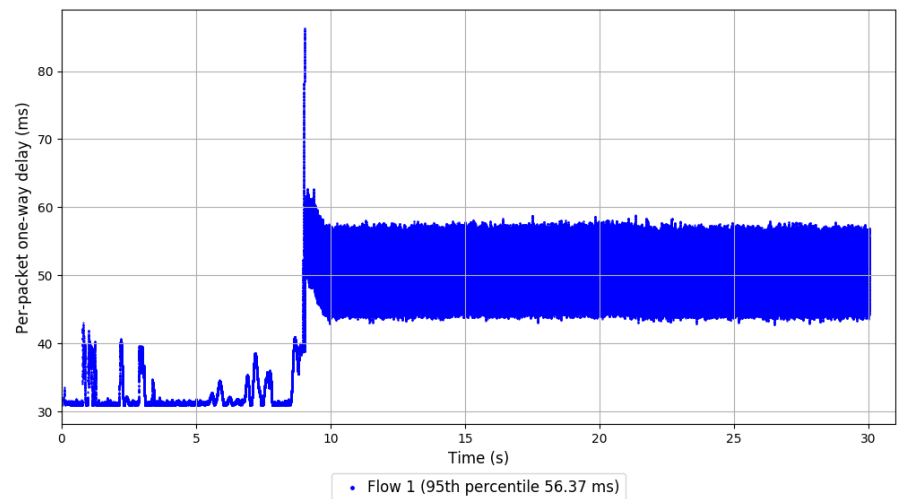
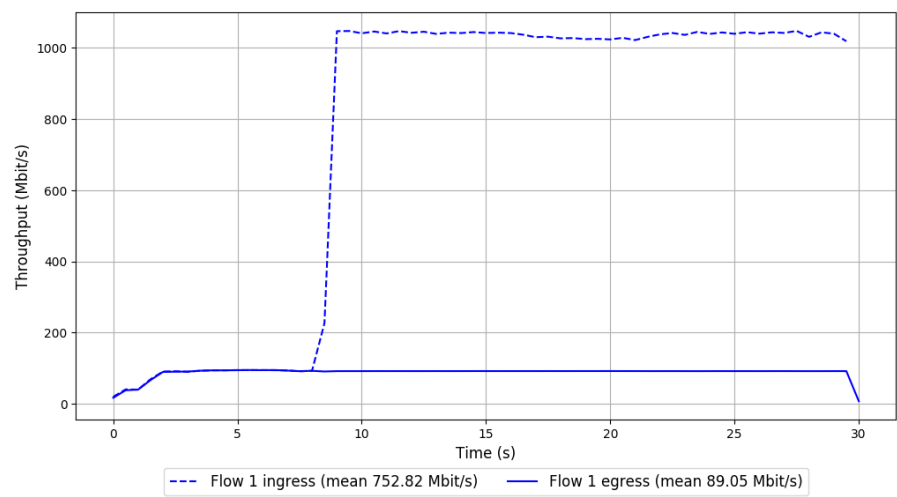


Run 4: Statistics of Copa

Start at: 2018-02-27 16:33:38
End at: 2018-02-27 16:34:09
Local clock offset: -2.977 ms
Remote clock offset: -3.803 ms

Below is generated by plot.py at 2018-02-27 20:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 56.366 ms
Loss rate: 88.16%
-- Flow 1:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 56.366 ms
Loss rate: 88.16%

Run 4: Report of Copa — Data Link

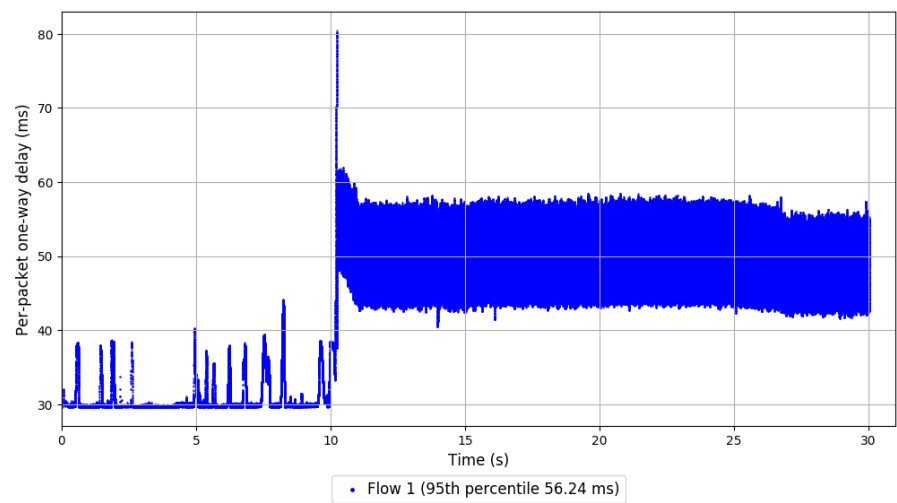
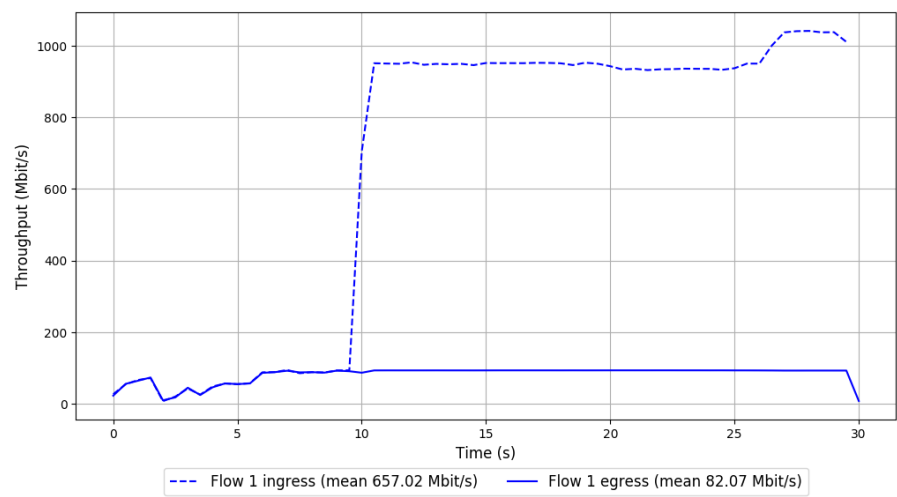


Run 5: Statistics of Copa

Start at: 2018-02-27 16:58:48
End at: 2018-02-27 16:59:18
Local clock offset: -3.92 ms
Remote clock offset: -4.706 ms

Below is generated by plot.py at 2018-02-27 20:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.07 Mbit/s
95th percentile per-packet one-way delay: 56.241 ms
Loss rate: 87.50%
-- Flow 1:
Average throughput: 82.07 Mbit/s
95th percentile per-packet one-way delay: 56.241 ms
Loss rate: 87.50%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

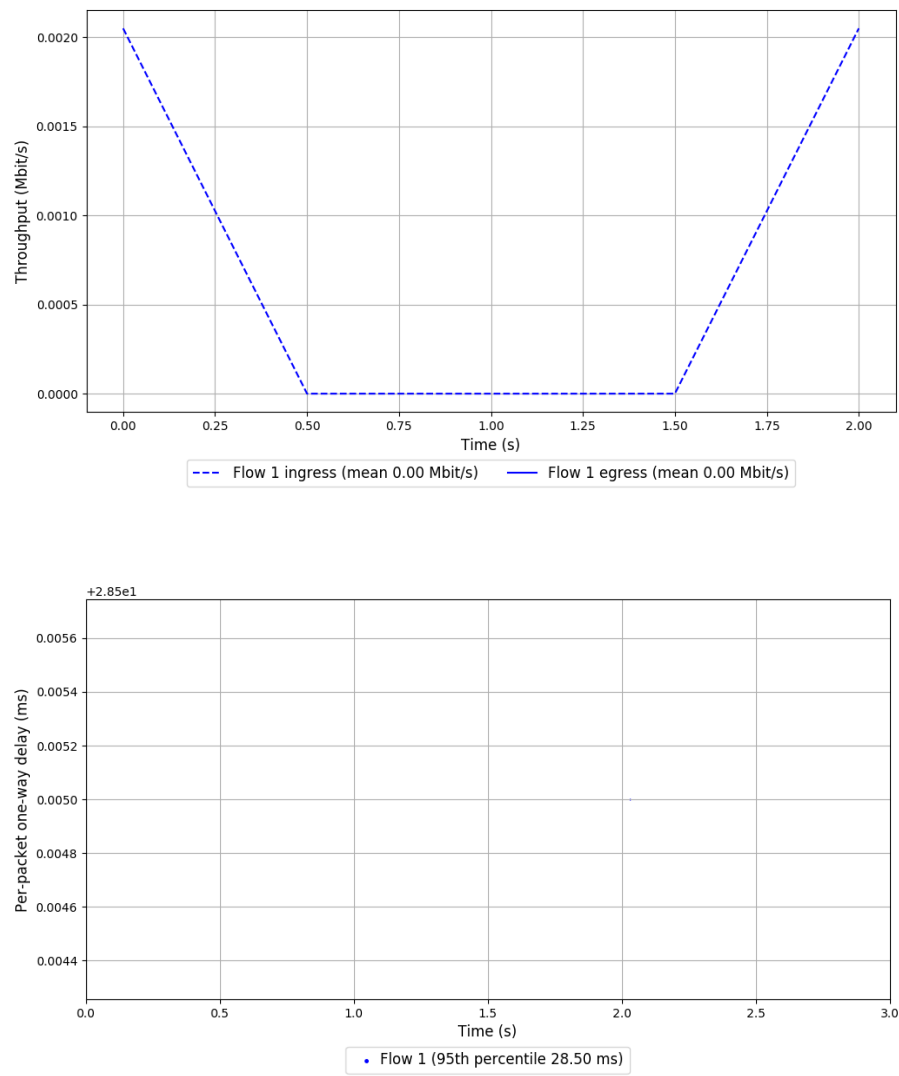
Start at: 2018-02-27 17:25:20

End at: 2018-02-27 17:25:50

Local clock offset: -0.777 ms

Remote clock offset: -7.459 ms

Run 6: Report of Copa — Data Link

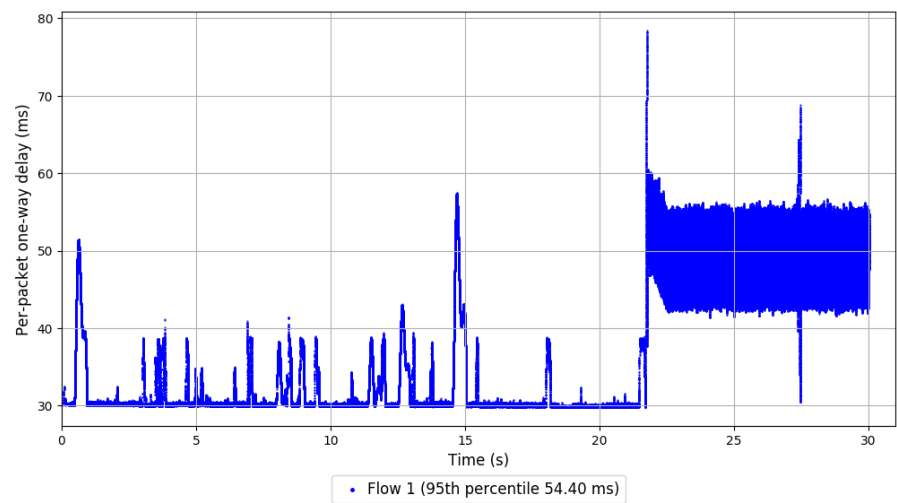
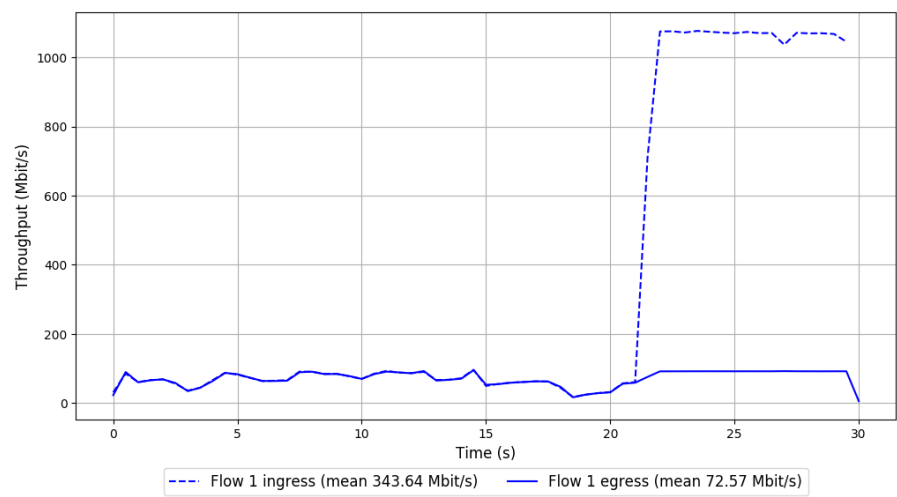


Run 7: Statistics of Copa

Start at: 2018-02-27 17:55:15
End at: 2018-02-27 17:55:45
Local clock offset: 0.183 ms
Remote clock offset: -6.565 ms

Below is generated by plot.py at 2018-02-27 20:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 54.400 ms
Loss rate: 78.87%
-- Flow 1:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 54.400 ms
Loss rate: 78.87%

Run 7: Report of Copa — Data Link

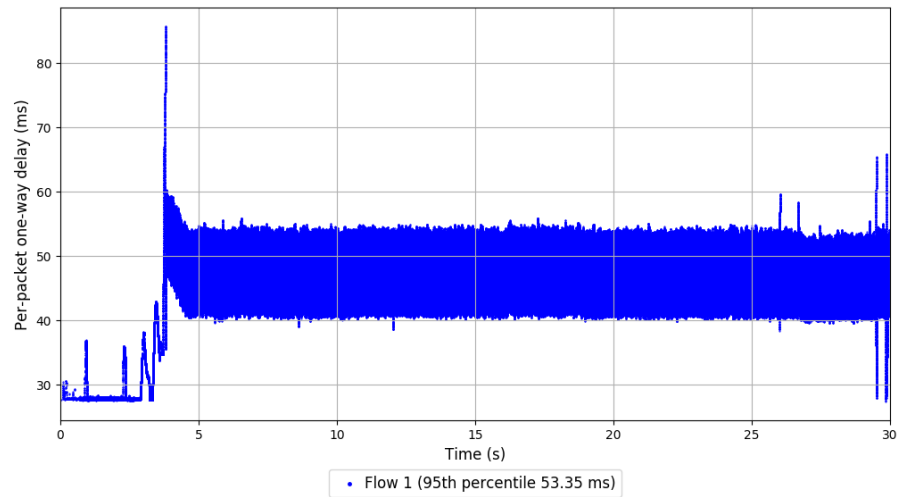
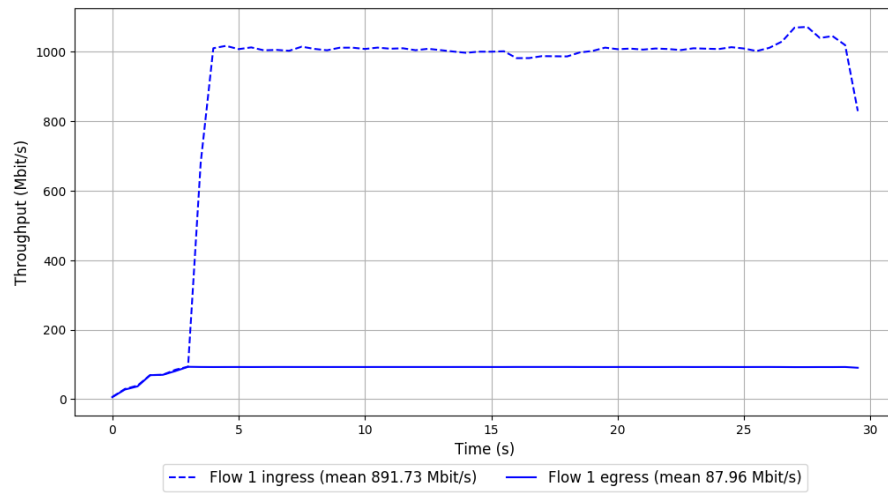


Run 8: Statistics of Copa

Start at: 2018-02-27 18:20:16
End at: 2018-02-27 18:20:46
Local clock offset: -4.994 ms
Remote clock offset: -7.791 ms

Below is generated by plot.py at 2018-02-27 20:11:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: 53.352 ms
Loss rate: 90.13%
-- Flow 1:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: 53.352 ms
Loss rate: 90.13%

Run 8: Report of Copa — Data Link

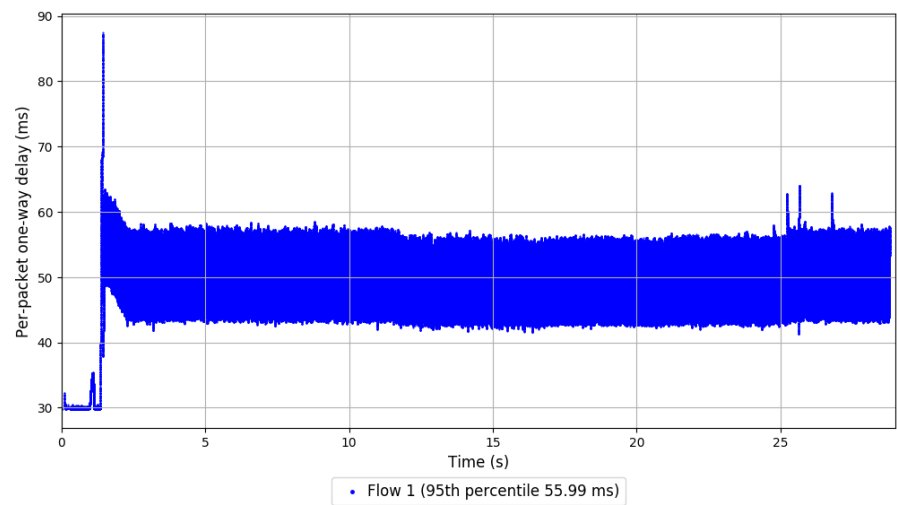
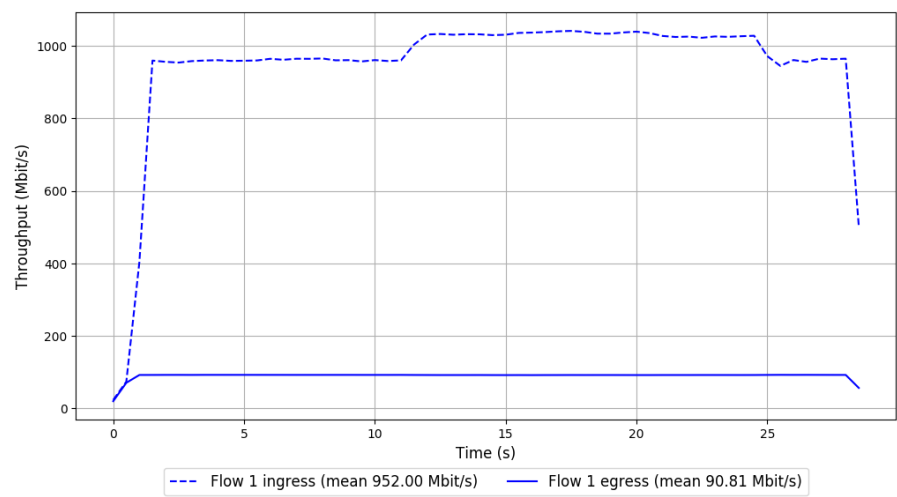


Run 9: Statistics of Copa

Start at: 2018-02-27 18:46:40
End at: 2018-02-27 18:47:10
Local clock offset: 0.621 ms
Remote clock offset: -1.348 ms

Below is generated by plot.py at 2018-02-27 20:11:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 55.991 ms
Loss rate: 90.46%
-- Flow 1:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 55.991 ms
Loss rate: 90.46%

Run 9: Report of Copa — Data Link

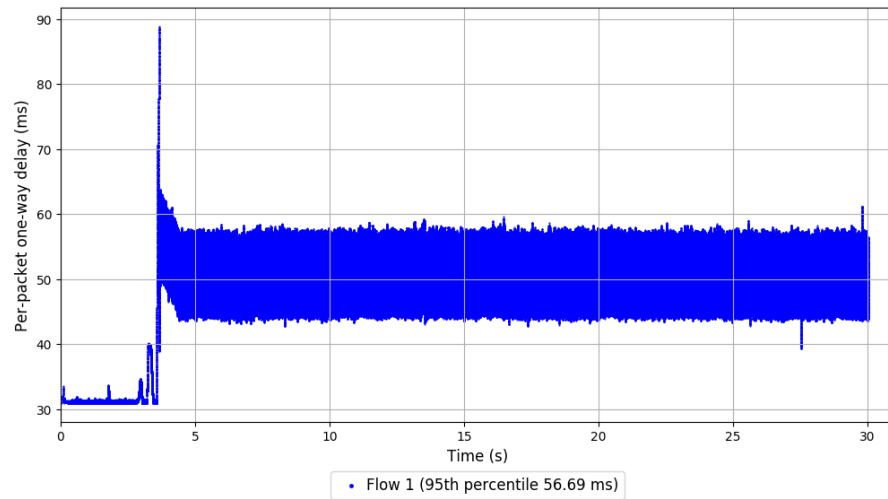
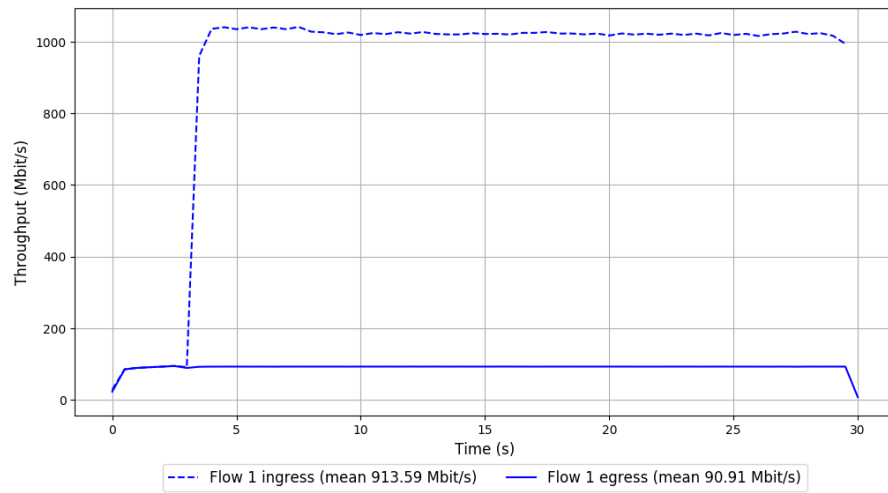


Run 10: Statistics of Copa

Start at: 2018-02-27 19:12:26
End at: 2018-02-27 19:12:56
Local clock offset: 2.513 ms
Remote clock offset: -5.857 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 56.688 ms
Loss rate: 90.04%
-- Flow 1:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 56.688 ms
Loss rate: 90.04%

Run 10: Report of Copa — Data Link

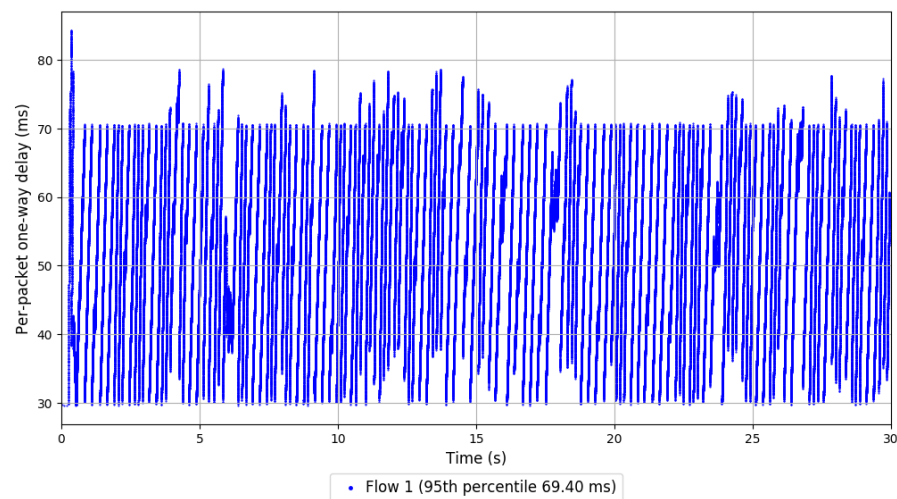
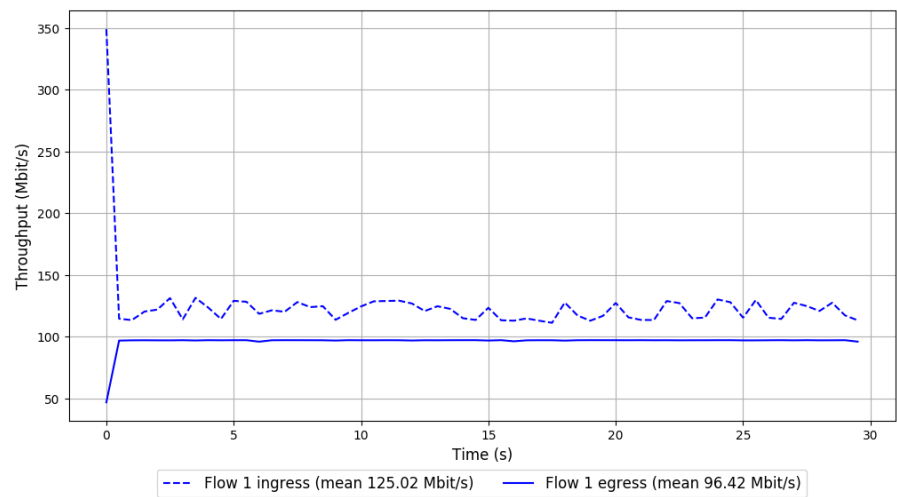


```
Run 1: Statistics of FillP

Start at: 2018-02-27 15:20:22
End at: 2018-02-27 15:20:52
Local clock offset: -3.782 ms
Remote clock offset: -8.029 ms

# Below is generated by plot.py at 2018-02-27 20:12:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 69.398 ms
Loss rate: 22.79%
-- Flow 1:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 69.398 ms
Loss rate: 22.79%
```

Run 1: Report of FillP — Data Link

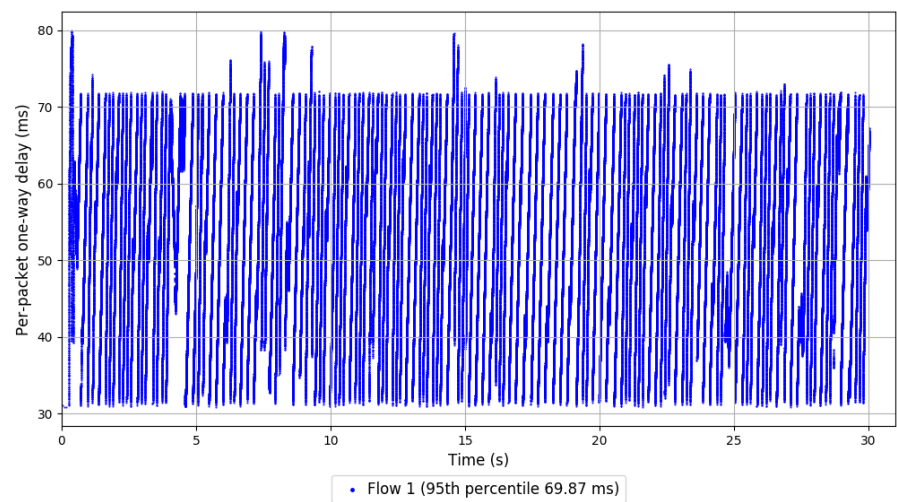
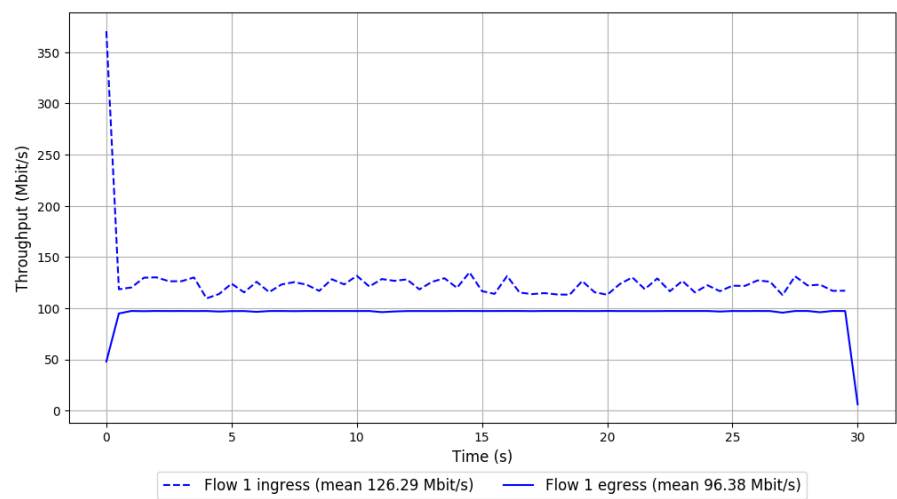


Run 2: Statistics of FillP

Start at: 2018-02-27 15:46:53
End at: 2018-02-27 15:47:23
Local clock offset: -6.448 ms
Remote clock offset: -3.328 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 69.867 ms
Loss rate: 23.59%
-- Flow 1:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 69.867 ms
Loss rate: 23.59%

Run 2: Report of FillP — Data Link

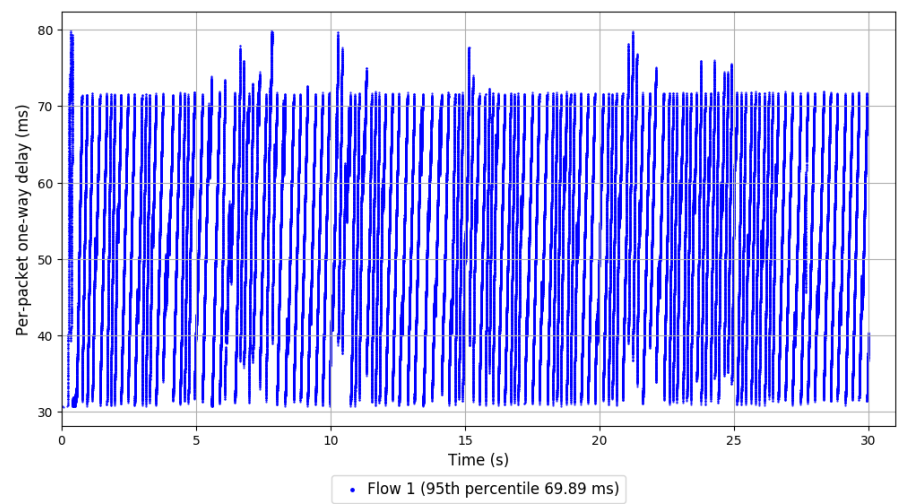
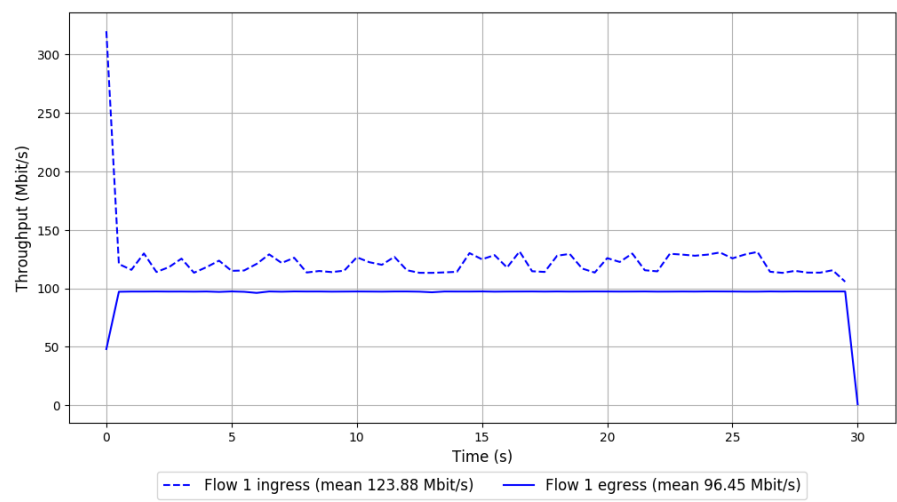


Run 3: Statistics of FillP

Start at: 2018-02-27 16:13:14
End at: 2018-02-27 16:13:44
Local clock offset: -6.293 ms
Remote clock offset: -3.936 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 69.890 ms
Loss rate: 22.12%
-- Flow 1:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 69.890 ms
Loss rate: 22.12%

Run 3: Report of FillP — Data Link

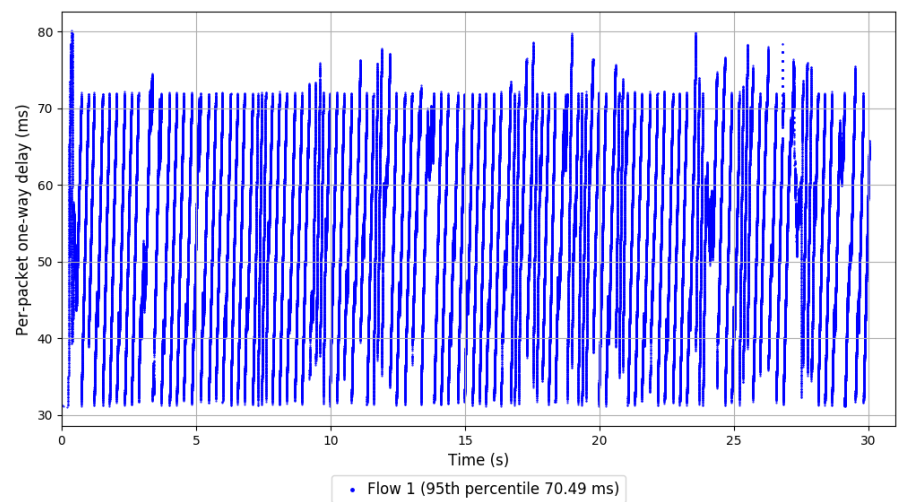
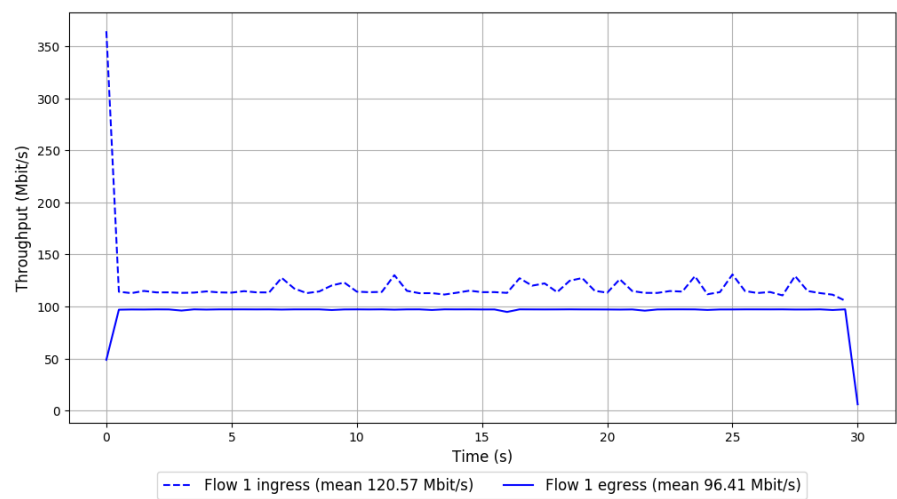


Run 4: Statistics of FillP

Start at: 2018-02-27 16:37:57
End at: 2018-02-27 16:38:27
Local clock offset: -2.804 ms
Remote clock offset: -3.644 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 70.489 ms
Loss rate: 19.95%
-- Flow 1:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 70.489 ms
Loss rate: 19.95%

Run 4: Report of FillP — Data Link

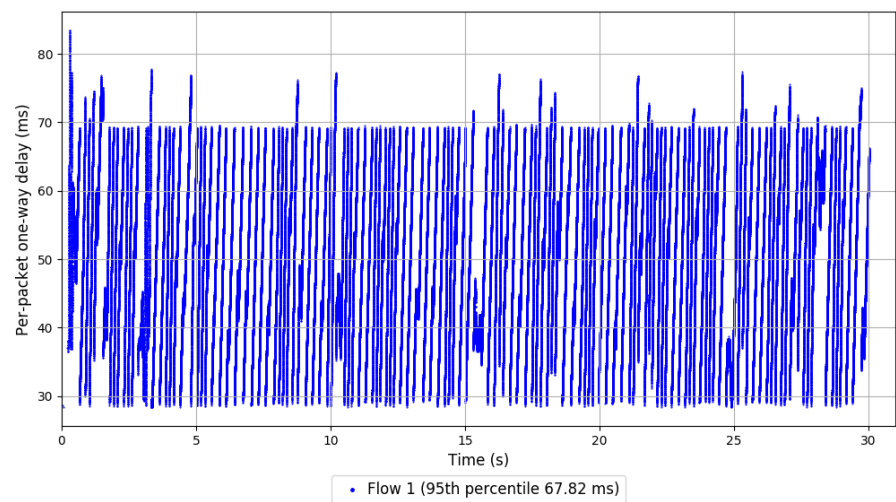
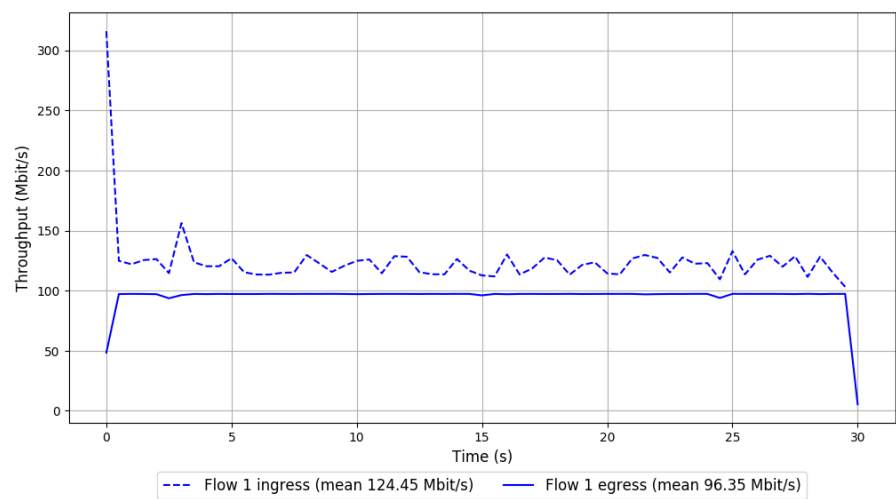


Run 5: Statistics of FillP

Start at: 2018-02-27 17:03:35
End at: 2018-02-27 17:04:05
Local clock offset: -4.01 ms
Remote clock offset: -6.762 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 67.823 ms
Loss rate: 22.49%
-- Flow 1:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 67.823 ms
Loss rate: 22.49%

Run 5: Report of FillP — Data Link

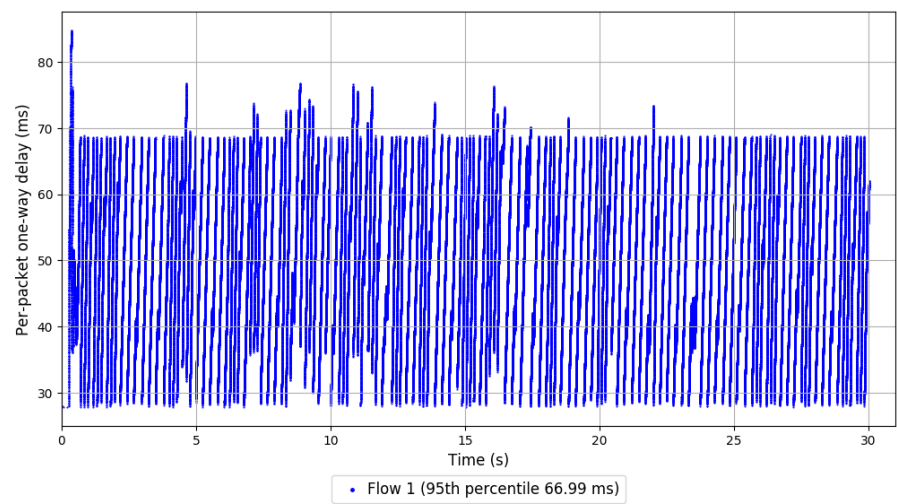
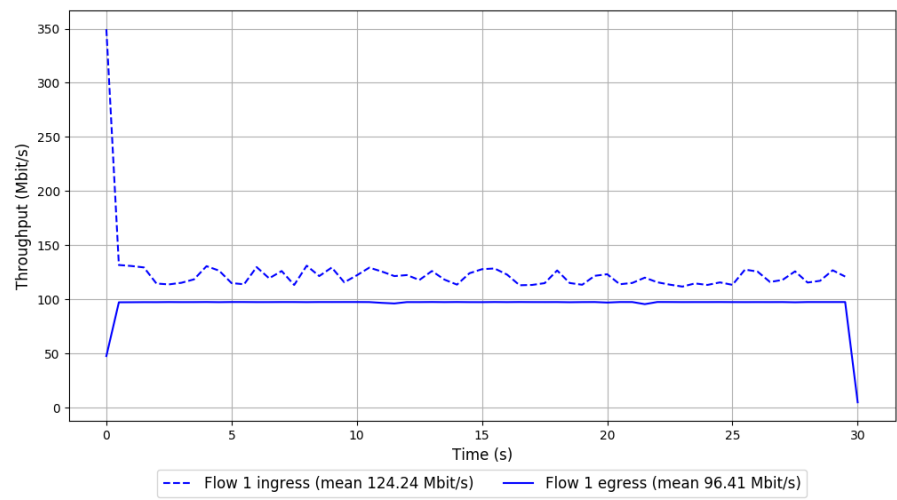


Run 6: Statistics of FillP

Start at: 2018-02-27 17:31:58
End at: 2018-02-27 17:32:29
Local clock offset: 0.666 ms
Remote clock offset: -7.635 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 66.988 ms
Loss rate: 22.32%
-- Flow 1:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 66.988 ms
Loss rate: 22.32%

Run 6: Report of FillP — Data Link

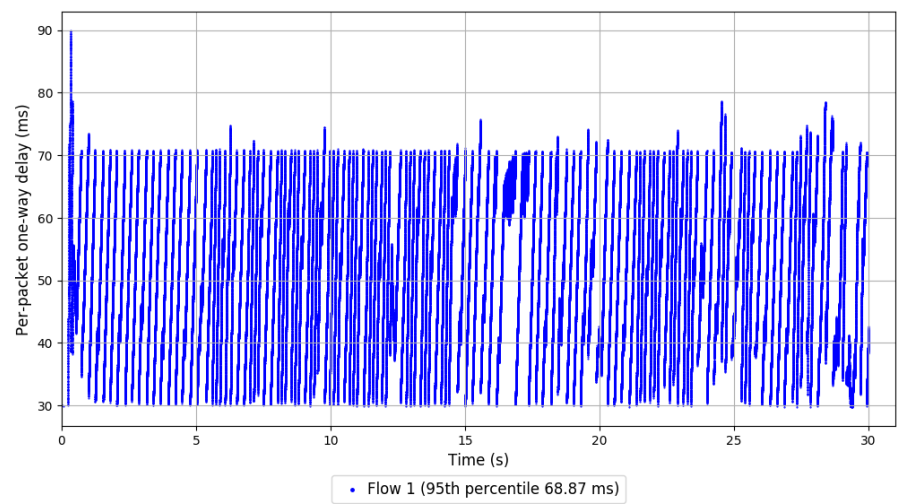
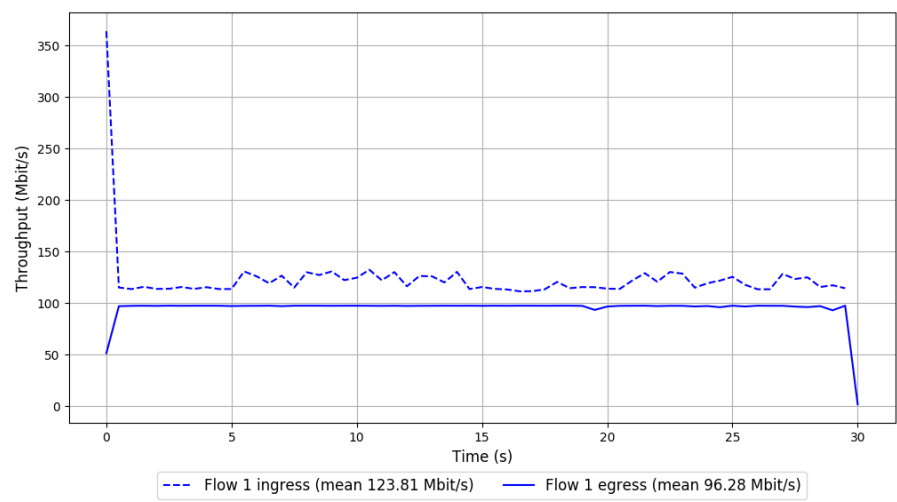


Run 7: Statistics of FillP

Start at: 2018-02-27 17:59:36
End at: 2018-02-27 18:00:06
Local clock offset: -1.771 ms
Remote clock offset: -6.065 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 68.873 ms
Loss rate: 22.21%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 68.873 ms
Loss rate: 22.21%

Run 7: Report of FillP — Data Link

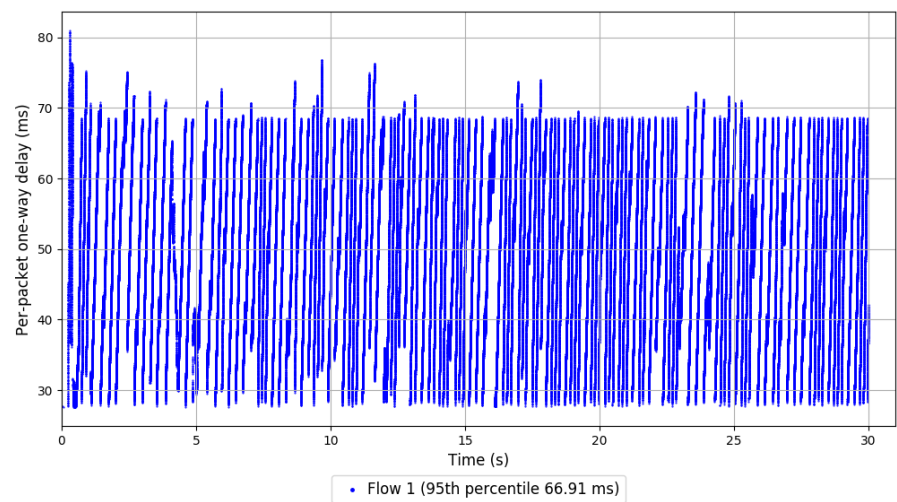
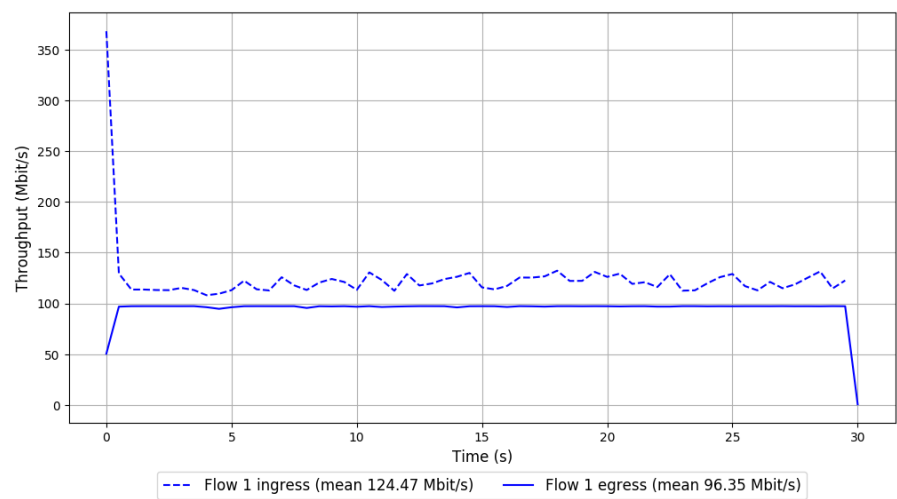


Run 8: Statistics of FillP

Start at: 2018-02-27 18:25:06
End at: 2018-02-27 18:25:37
Local clock offset: -5.174 ms
Remote clock offset: -5.938 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 66.913 ms
Loss rate: 22.56%
-- Flow 1:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 66.913 ms
Loss rate: 22.56%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-27 18:51:29

End at: 2018-02-27 18:51:59

Local clock offset: 1.231 ms

Remote clock offset: -3.28 ms

Below is generated by plot.py at 2018-02-27 20:12:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.44 Mbit/s

95th percentile per-packet one-way delay: 67.113 ms

Loss rate: 23.17%

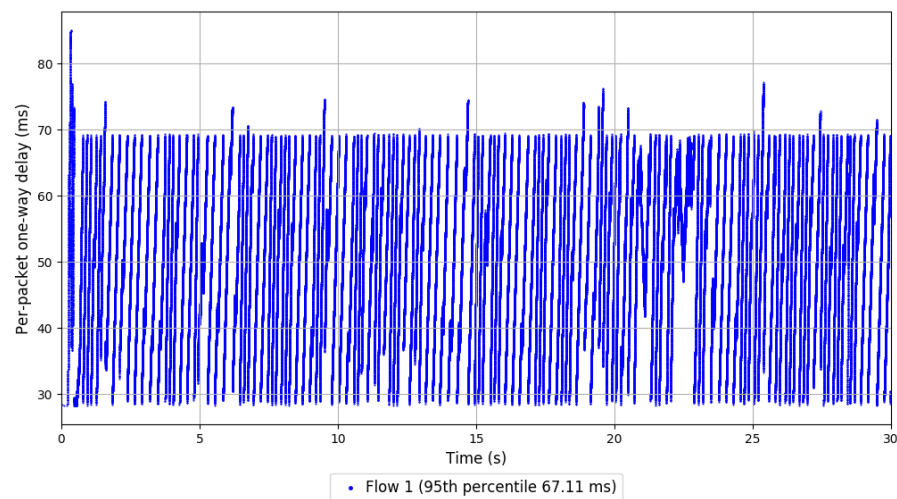
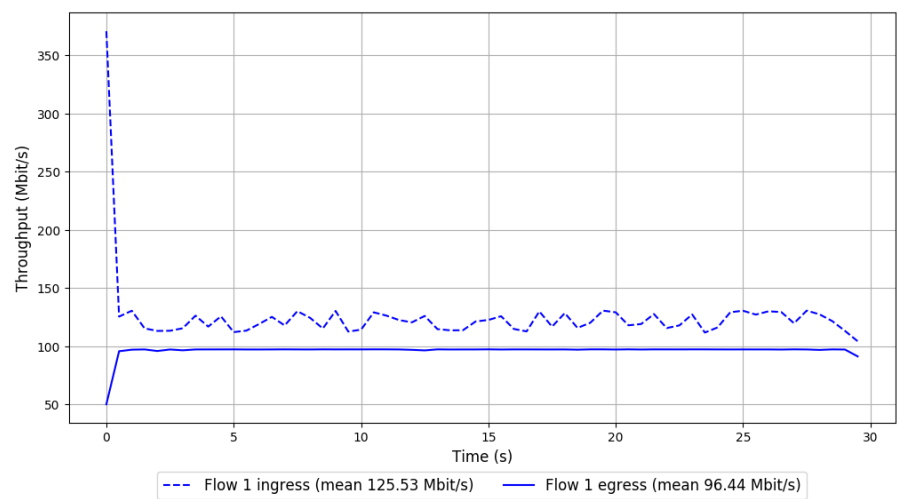
-- Flow 1:

Average throughput: 96.44 Mbit/s

95th percentile per-packet one-way delay: 67.113 ms

Loss rate: 23.17%

Run 9: Report of FillP — Data Link

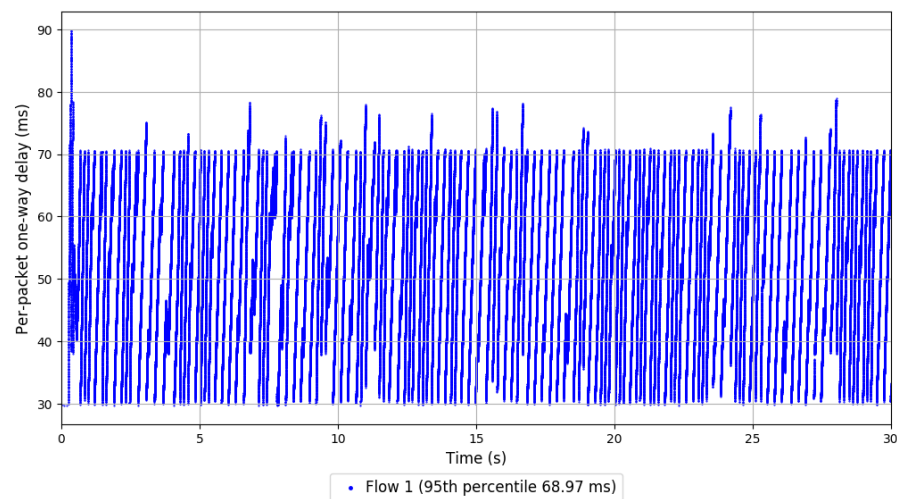
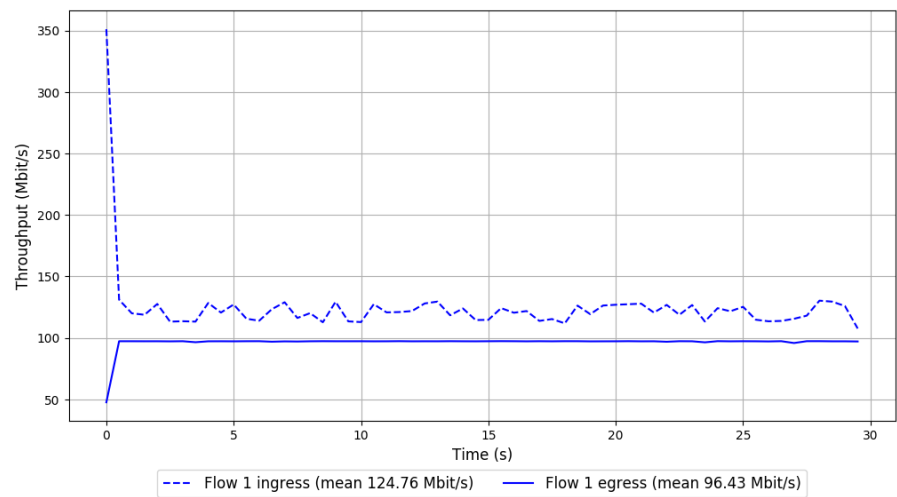


Run 10: Statistics of FillP

Start at: 2018-02-27 19:17:47
End at: 2018-02-27 19:18:17
Local clock offset: 2.83 ms
Remote clock offset: -7.076 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 68.966 ms
Loss rate: 22.70%
-- Flow 1:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 68.966 ms
Loss rate: 22.70%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-02-27 15:18:56

End at: 2018-02-27 15:19:26

Local clock offset: -3.539 ms

Remote clock offset: -7.677 ms

Below is generated by plot.py at 2018-02-27 20:12:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 34.460 ms

Loss rate: 0.06%

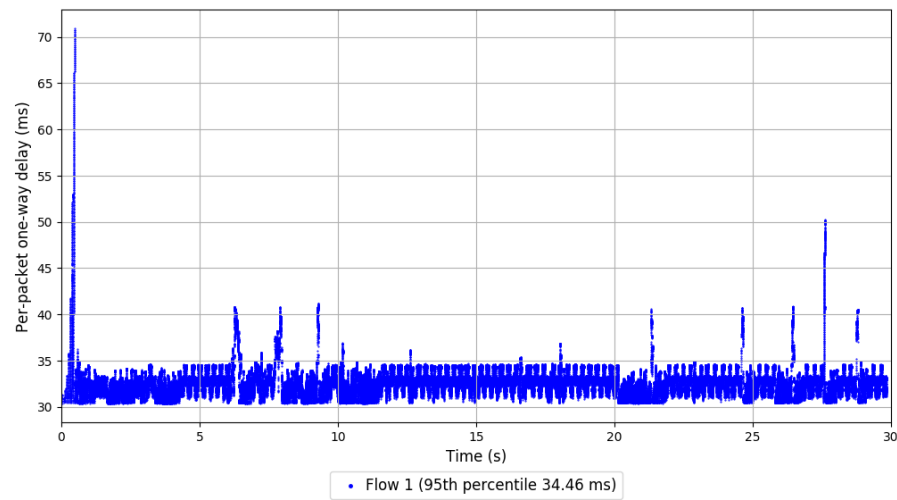
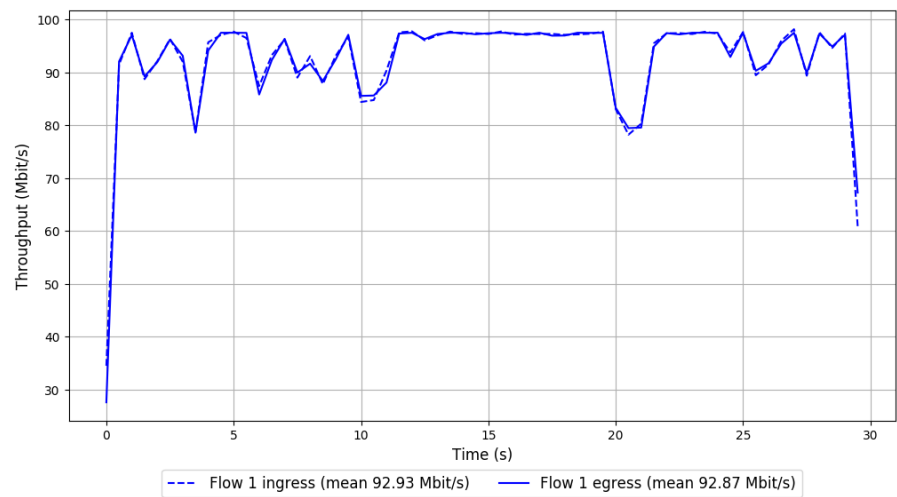
-- Flow 1:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 34.460 ms

Loss rate: 0.06%

Run 1: Report of Indigo-1-32 — Data Link

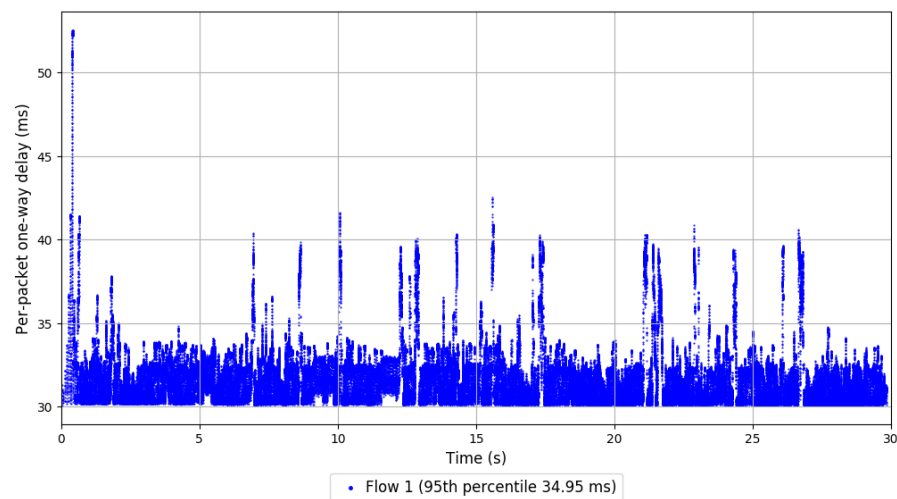
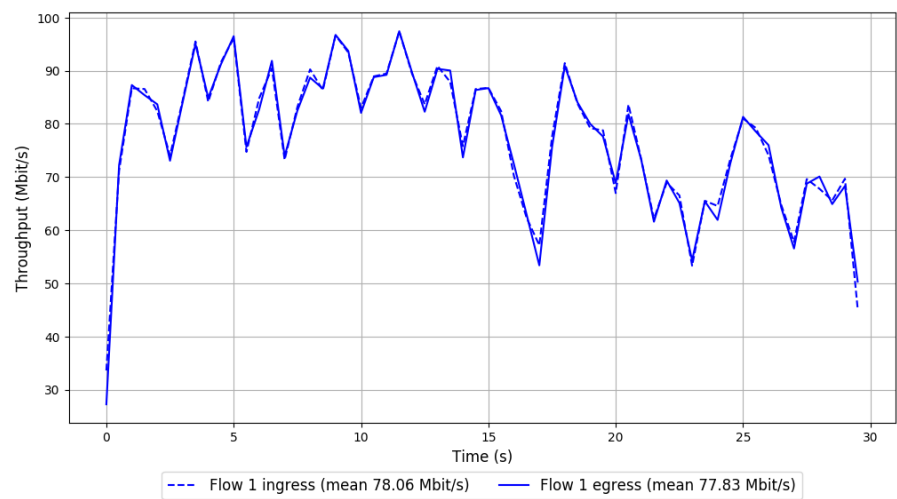


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-27 15:45:22
End at: 2018-02-27 15:45:52
Local clock offset: -6.292 ms
Remote clock offset: -4.199 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 34.949 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 34.949 ms
Loss rate: 0.29%

Run 2: Report of Indigo-1-32 — Data Link

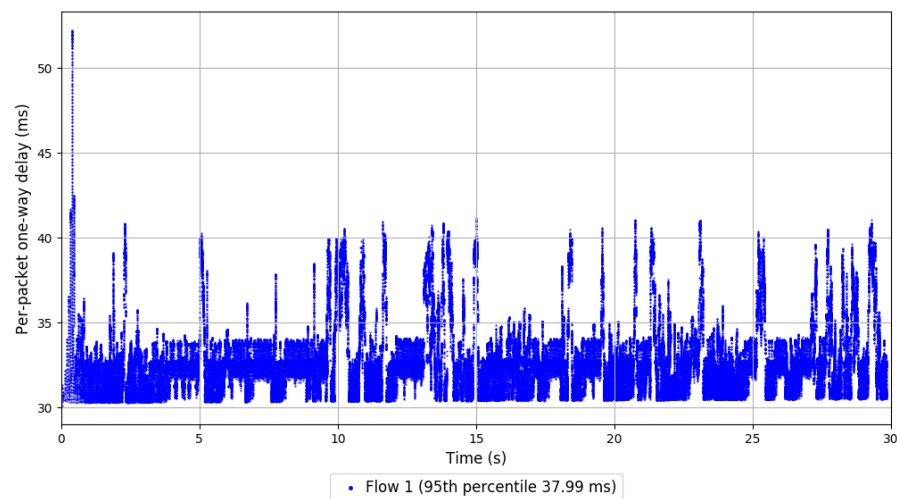
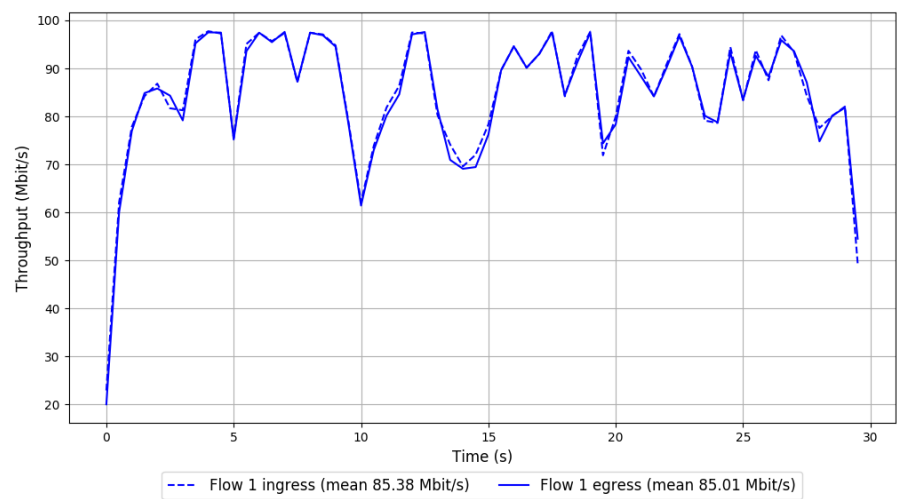


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-27 16:11:41
End at: 2018-02-27 16:12:11
Local clock offset: -6.902 ms
Remote clock offset: -3.589 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 37.988 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 37.988 ms
Loss rate: 0.43%

Run 3: Report of Indigo-1-32 — Data Link

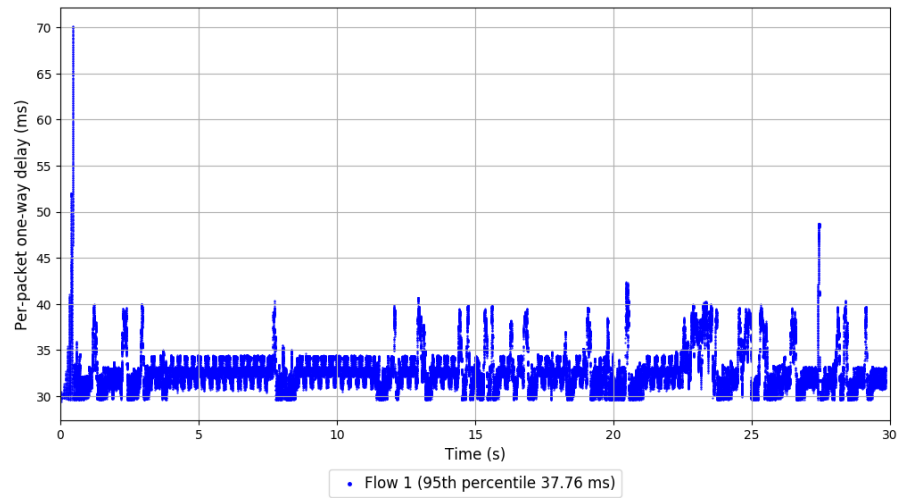
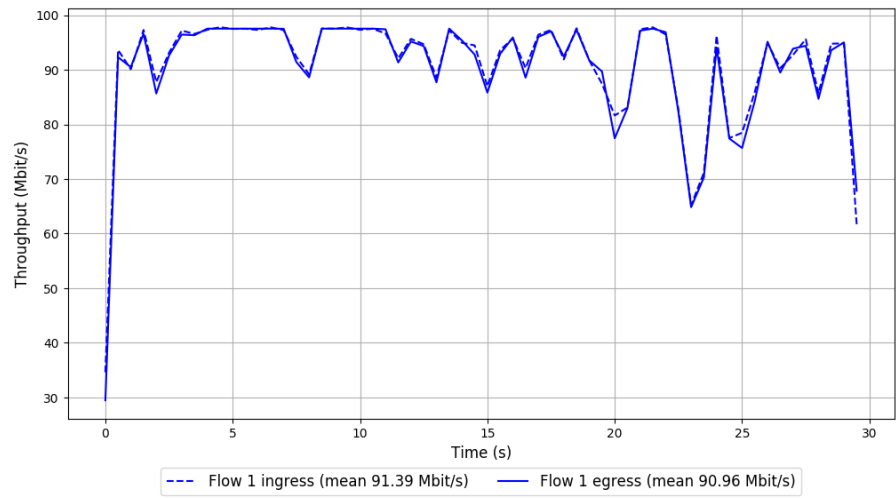


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-27 16:36:35
End at: 2018-02-27 16:37:05
Local clock offset: -2.804 ms
Remote clock offset: -4.434 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 37.756 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 37.756 ms
Loss rate: 0.46%

Run 4: Report of Indigo-1-32 — Data Link



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-27 17:02:02

End at: 2018-02-27 17:02:32

Local clock offset: -4.093 ms

Remote clock offset: -4.183 ms

Below is generated by plot.py at 2018-02-27 20:12:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 36.768 ms

Loss rate: 0.22%

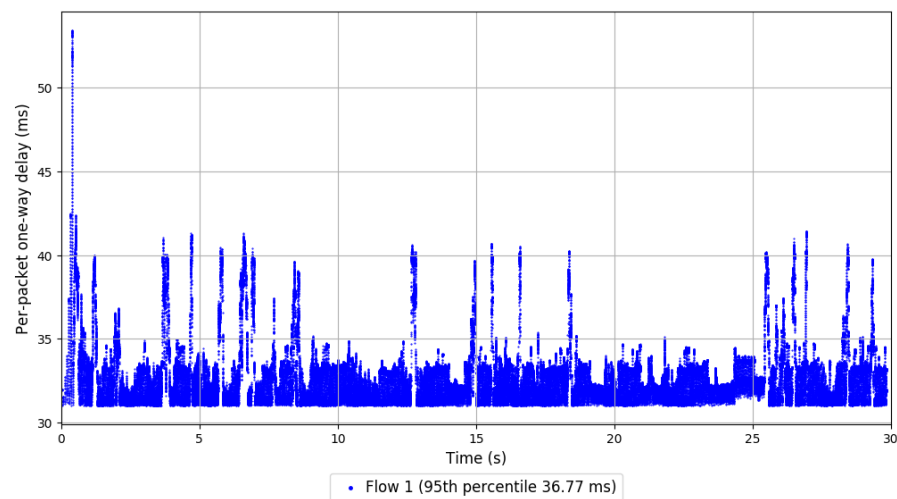
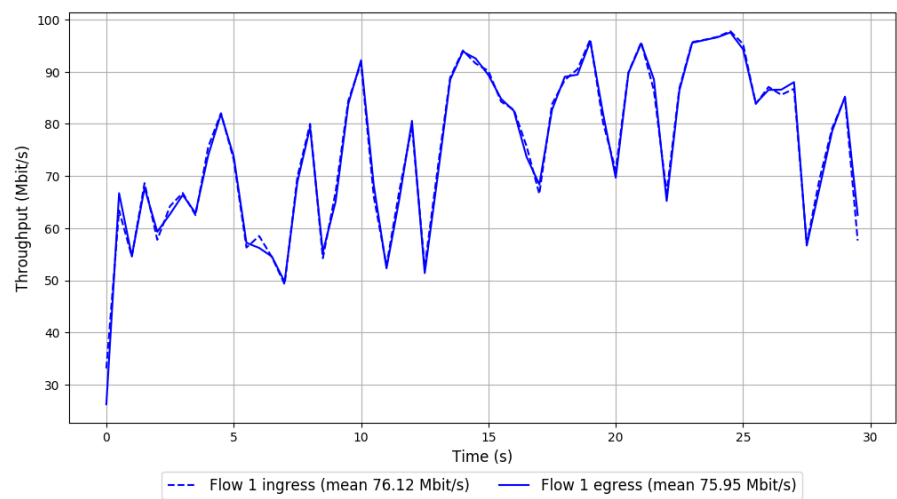
-- Flow 1:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 36.768 ms

Loss rate: 0.22%

Run 5: Report of Indigo-1-32 — Data Link

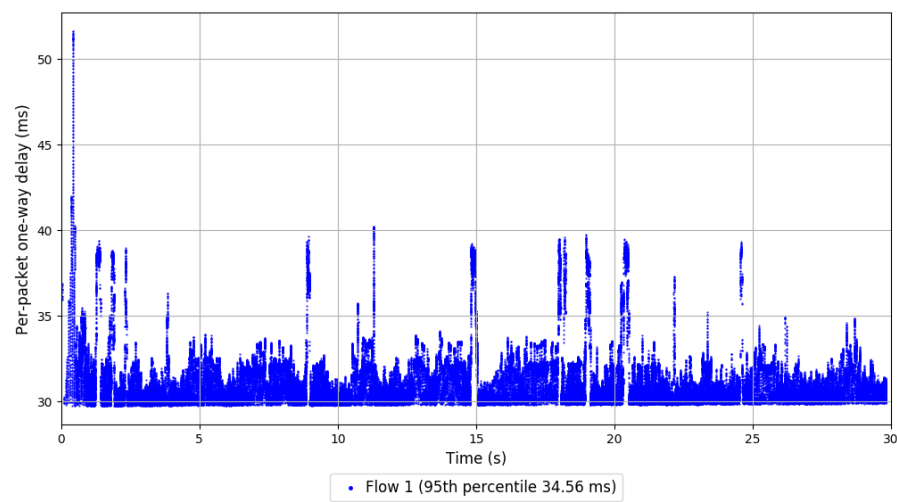
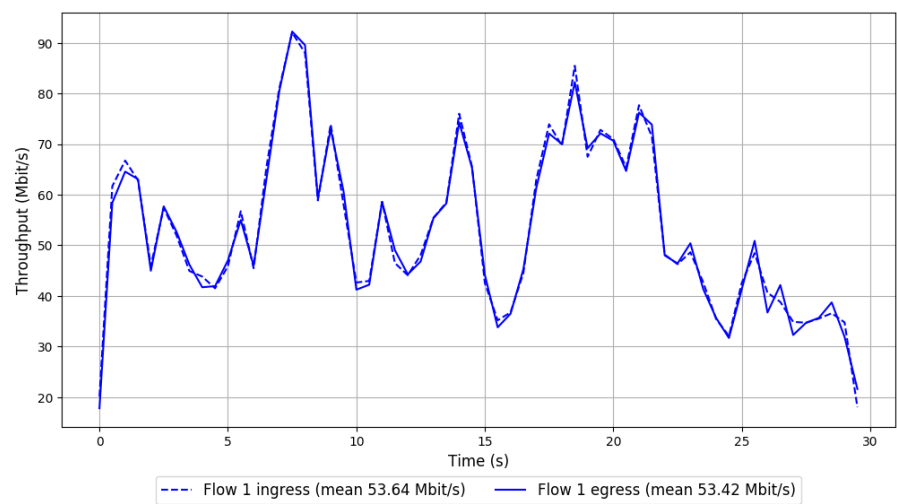


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-27 17:30:17
End at: 2018-02-27 17:30:47
Local clock offset: 0.337 ms
Remote clock offset: -5.634 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 34.561 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 34.561 ms
Loss rate: 0.42%

Run 6: Report of Indigo-1-32 — Data Link

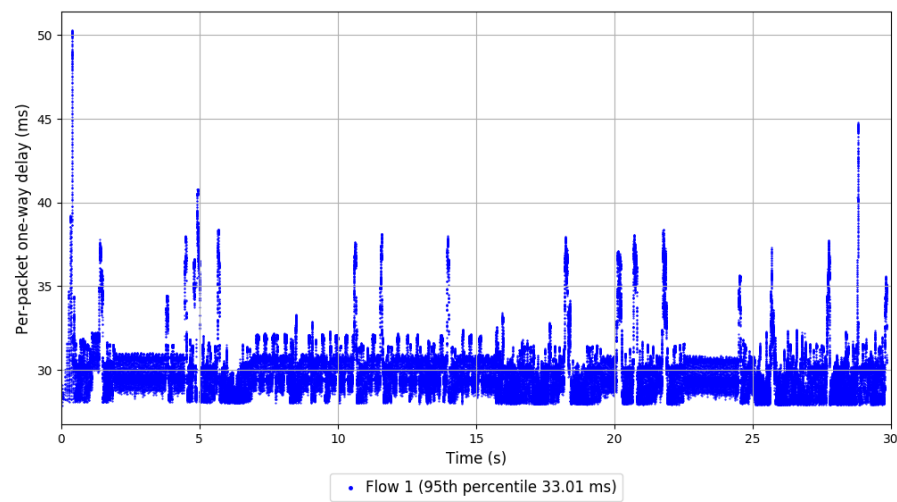
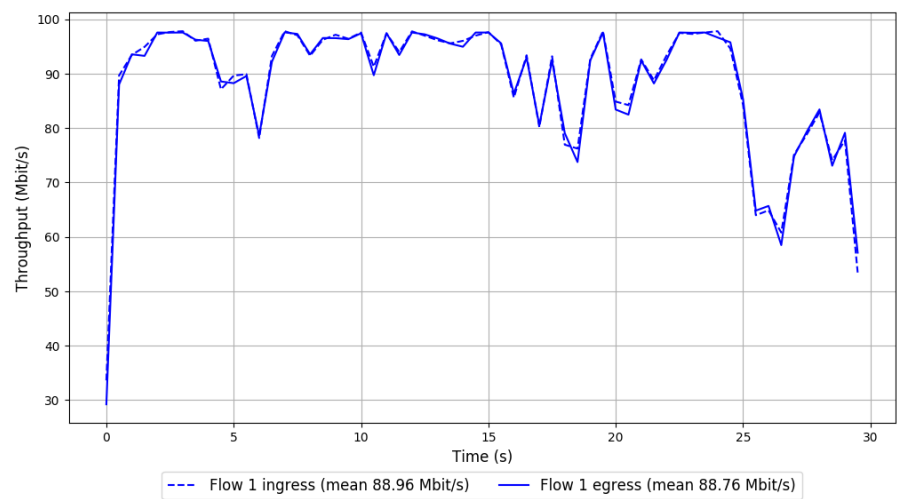


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-27 17:58:08
End at: 2018-02-27 17:58:38
Local clock offset: -1.211 ms
Remote clock offset: -8.581 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 33.013 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 33.013 ms
Loss rate: 0.22%

Run 7: Report of Indigo-1-32 — Data Link

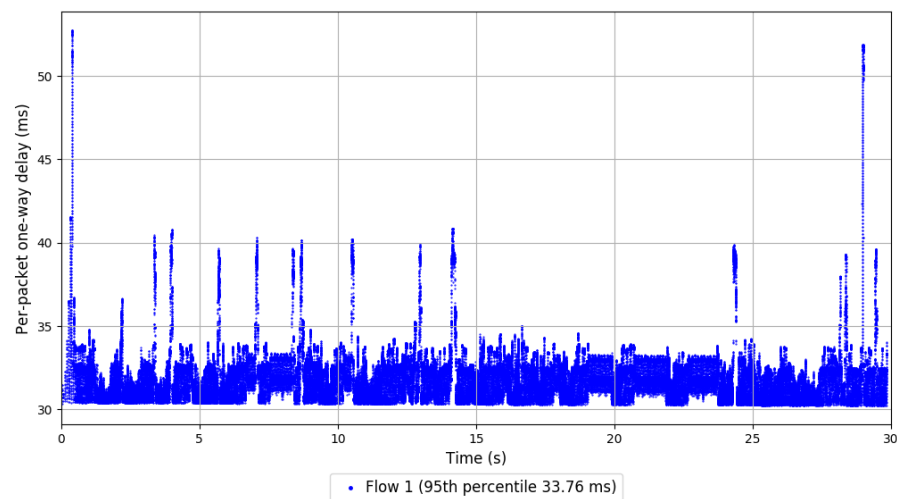
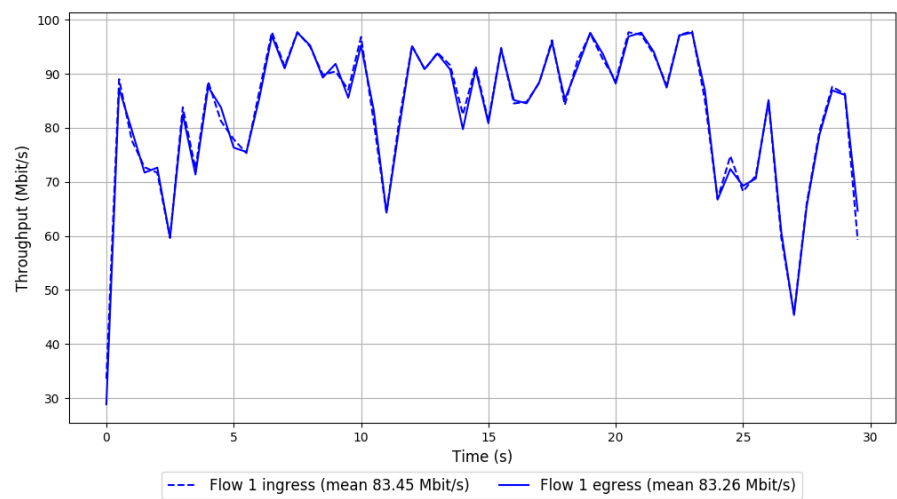


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-27 18:23:37
End at: 2018-02-27 18:24:07
Local clock offset: -5.183 ms
Remote clock offset: -4.321 ms

Below is generated by plot.py at 2018-02-27 20:12:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 33.756 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 33.756 ms
Loss rate: 0.22%

Run 8: Report of Indigo-1-32 — Data Link

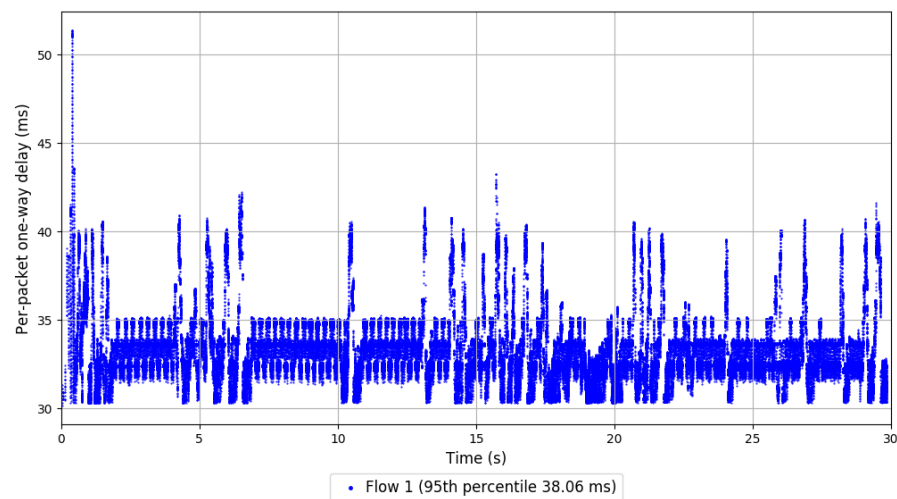
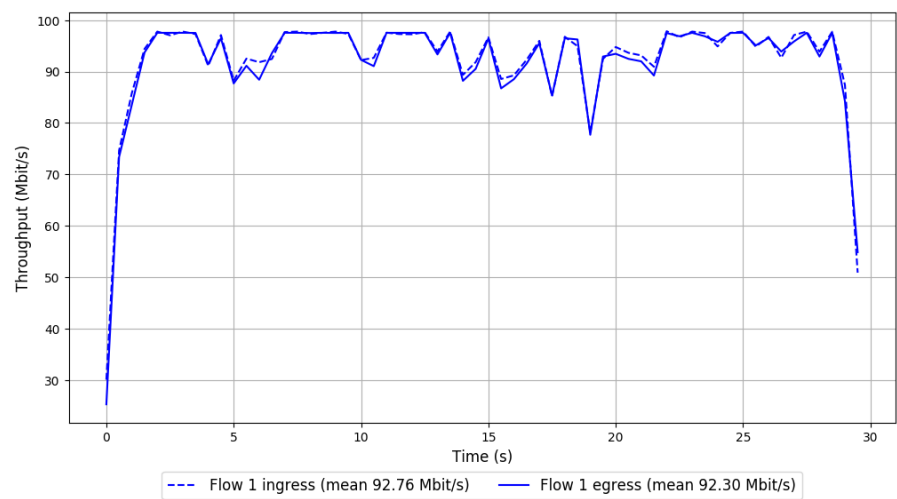


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-27 18:50:00
End at: 2018-02-27 18:50:30
Local clock offset: 1.003 ms
Remote clock offset: -0.701 ms

Below is generated by plot.py at 2018-02-27 20:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 38.058 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 38.058 ms
Loss rate: 0.49%

Run 9: Report of Indigo-1-32 — Data Link

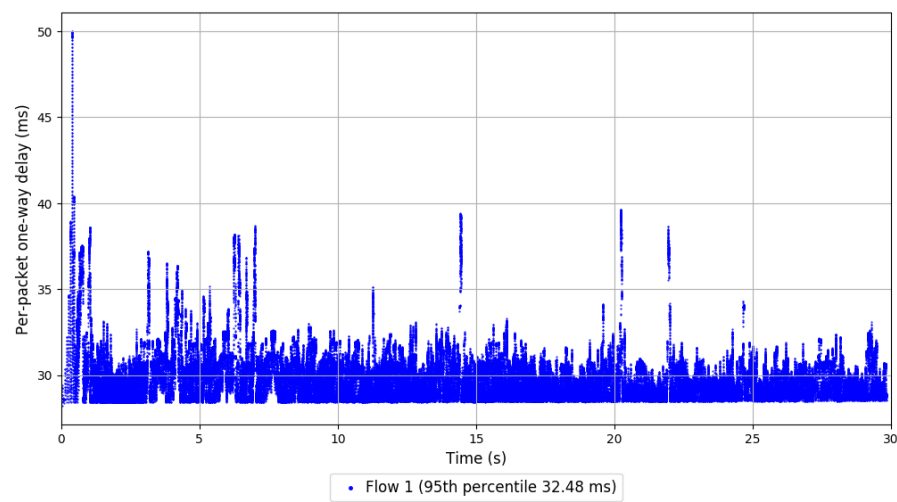
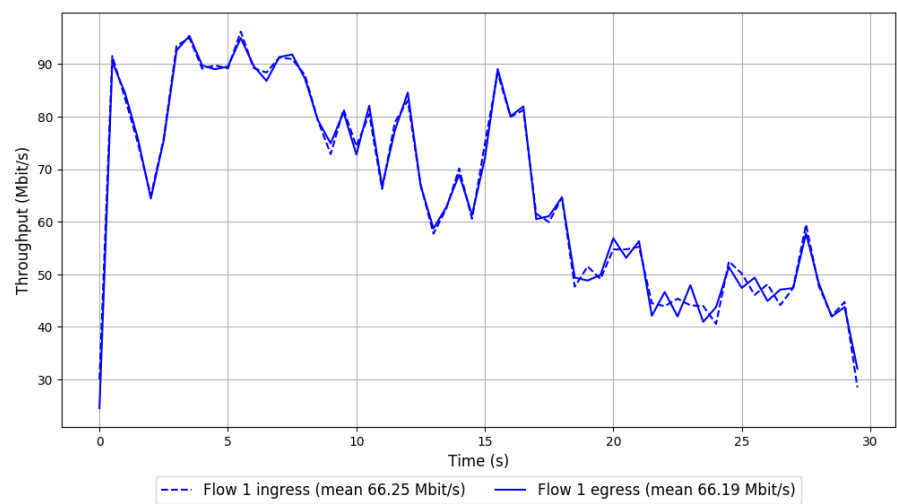


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-27 19:16:12
End at: 2018-02-27 19:16:42
Local clock offset: 2.717 ms
Remote clock offset: -8.896 ms

Below is generated by plot.py at 2018-02-27 20:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.19 Mbit/s
95th percentile per-packet one-way delay: 32.478 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 66.19 Mbit/s
95th percentile per-packet one-way delay: 32.478 ms
Loss rate: 0.08%

Run 10: Report of Indigo-1-32 — Data Link

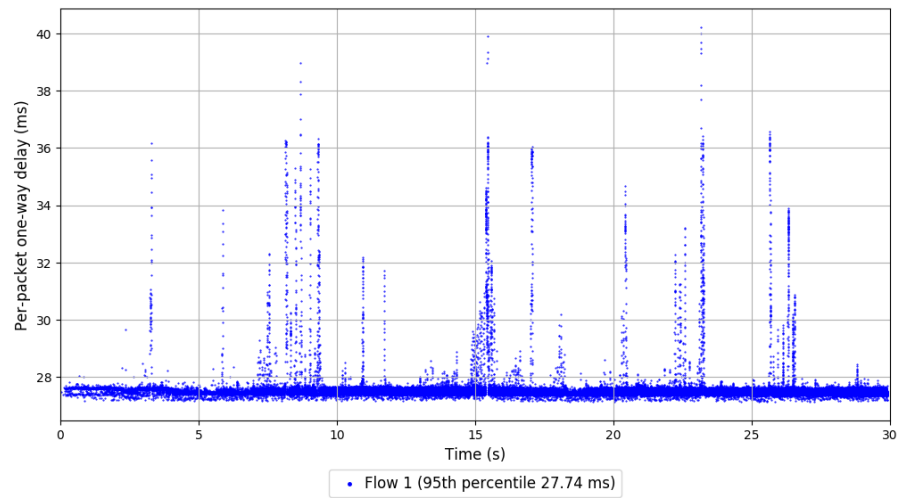
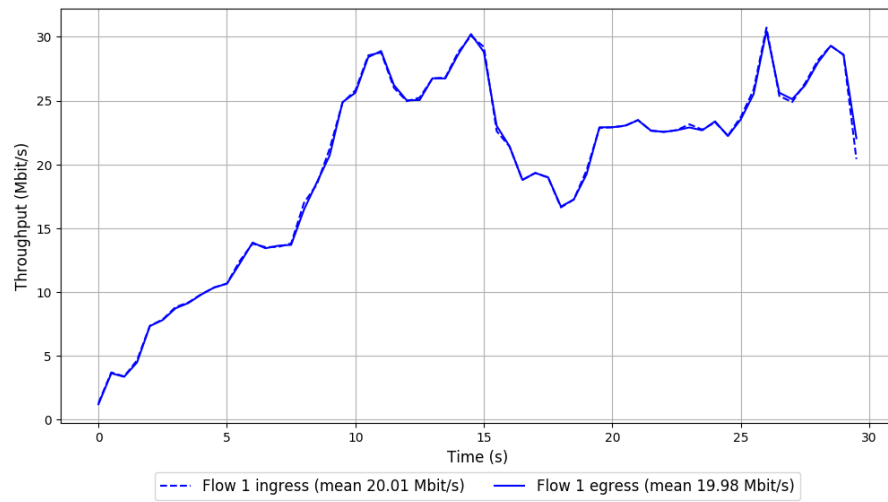


Run 1: Statistics of Vivace-latency

Start at: 2018-02-27 15:04:52
End at: 2018-02-27 15:05:22
Local clock offset: -0.656 ms
Remote clock offset: -7.283 ms

Below is generated by plot.py at 2018-02-27 20:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 27.740 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 27.740 ms
Loss rate: 0.11%

Run 1: Report of Vivace-latency — Data Link

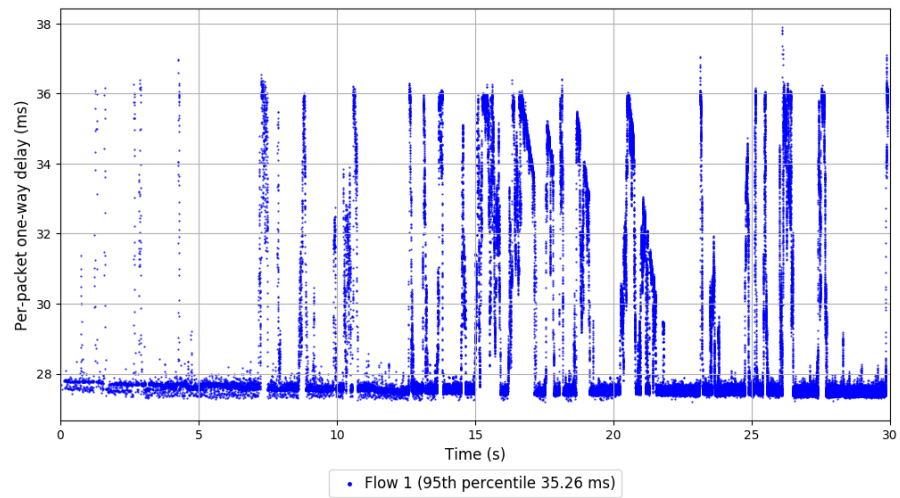
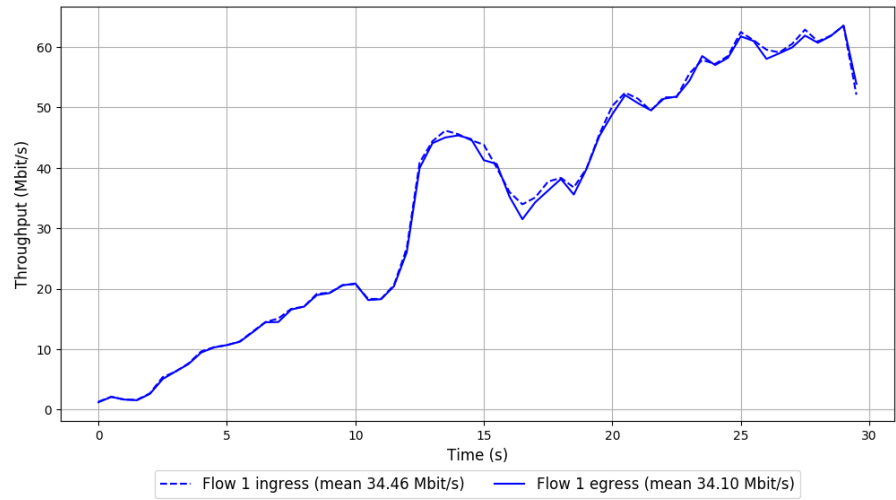


Run 2: Statistics of Vivace-latency

Start at: 2018-02-27 15:30:38
End at: 2018-02-27 15:31:08
Local clock offset: -4.6 ms
Remote clock offset: -9.391 ms

Below is generated by plot.py at 2018-02-27 20:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.10 Mbit/s
95th percentile per-packet one-way delay: 35.256 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 34.10 Mbit/s
95th percentile per-packet one-way delay: 35.256 ms
Loss rate: 1.01%

Run 2: Report of Vivace-latency — Data Link

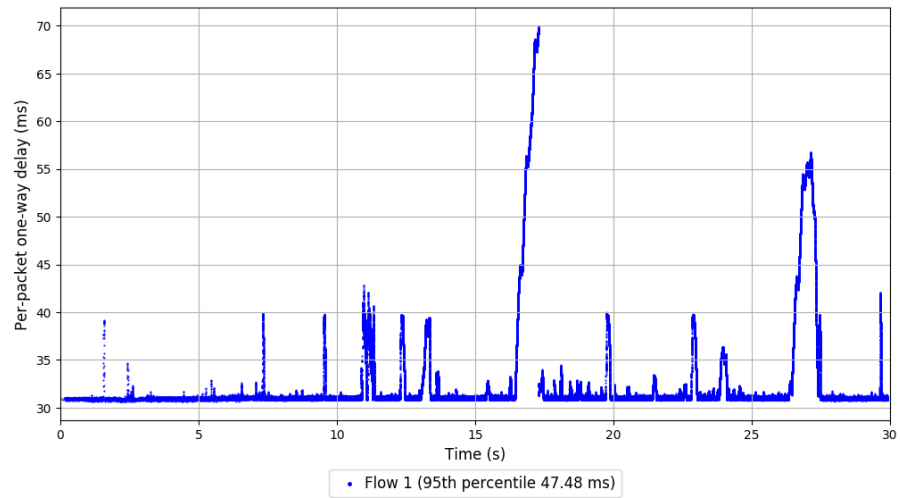
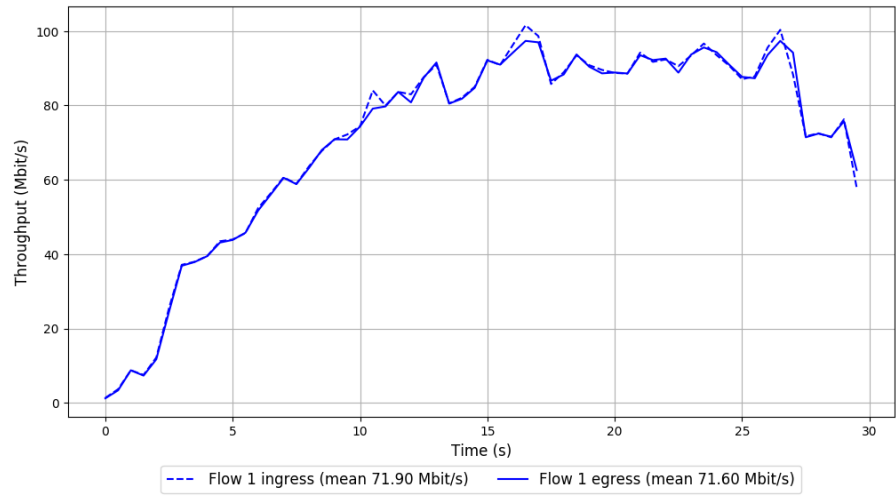


Run 3: Statistics of Vivace-latency

Start at: 2018-02-27 15:57:50
End at: 2018-02-27 15:58:20
Local clock offset: -7.496 ms
Remote clock offset: -2.659 ms

Below is generated by plot.py at 2018-02-27 20:13:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.60 Mbit/s
95th percentile per-packet one-way delay: 47.477 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 71.60 Mbit/s
95th percentile per-packet one-way delay: 47.477 ms
Loss rate: 0.42%

Run 3: Report of Vivace-latency — Data Link

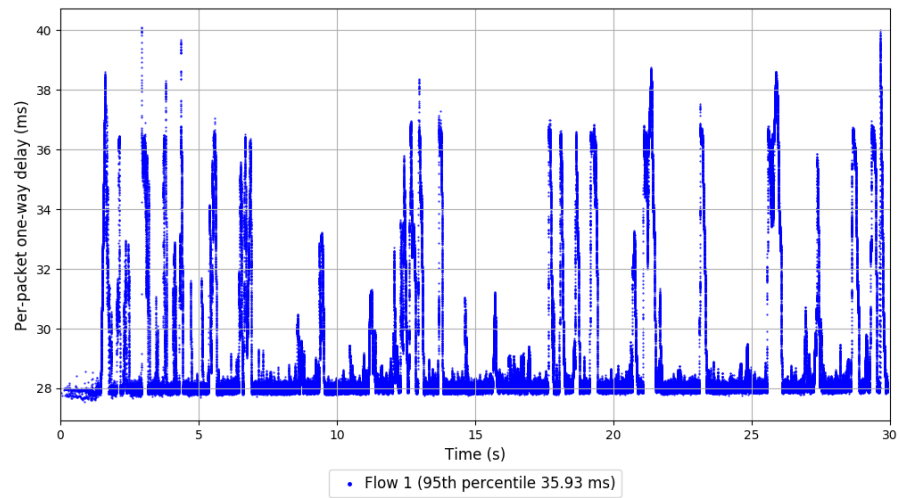
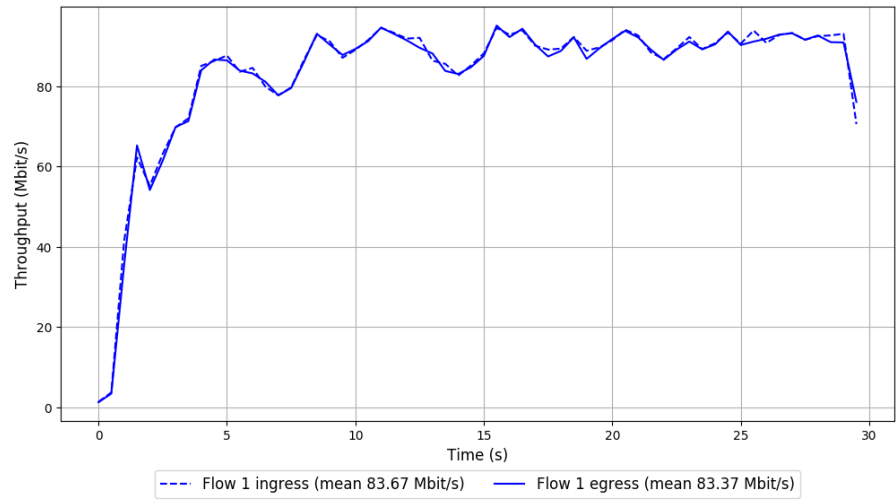


Run 4: Statistics of Vivace-latency

Start at: 2018-02-27 16:23:06
End at: 2018-02-27 16:23:36
Local clock offset: -3.972 ms
Remote clock offset: -6.249 ms

Below is generated by plot.py at 2018-02-27 20:13:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 35.931 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 35.931 ms
Loss rate: 0.37%

Run 4: Report of Vivace-latency — Data Link

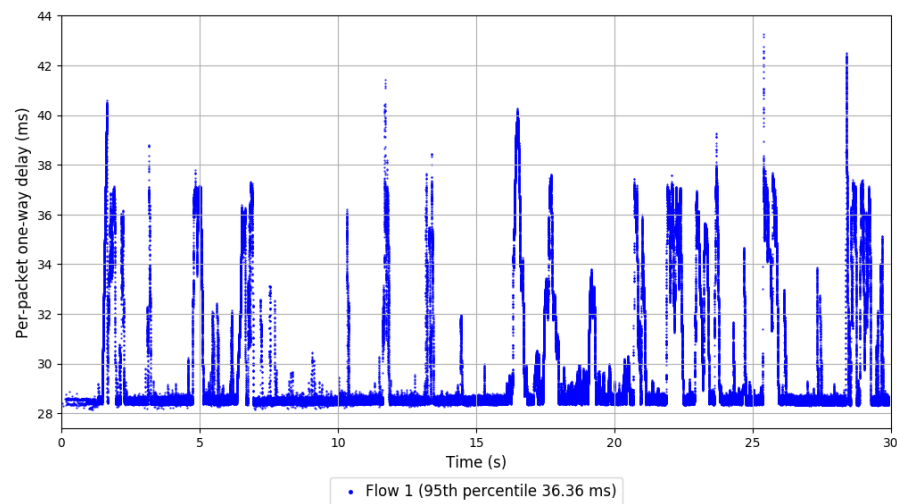
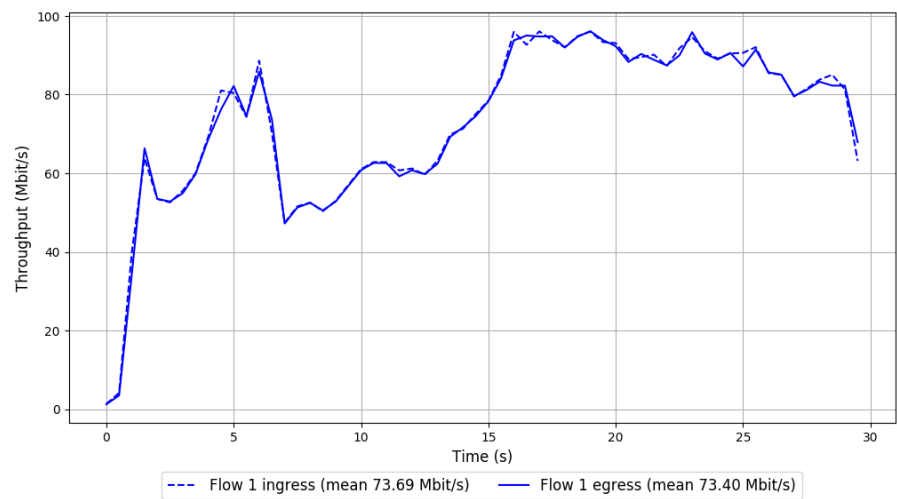


Run 5: Statistics of Vivace-latency

Start at: 2018-02-27 16:47:45
End at: 2018-02-27 16:48:15
Local clock offset: -3.295 ms
Remote clock offset: -6.307 ms

Below is generated by plot.py at 2018-02-27 20:13:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 36.358 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 36.358 ms
Loss rate: 0.39%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-27 17:14:07

End at: 2018-02-27 17:14:37

Local clock offset: -4.061 ms

Remote clock offset: -7.03 ms

Below is generated by plot.py at 2018-02-27 20:13:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.71 Mbit/s

95th percentile per-packet one-way delay: 33.955 ms

Loss rate: 0.17%

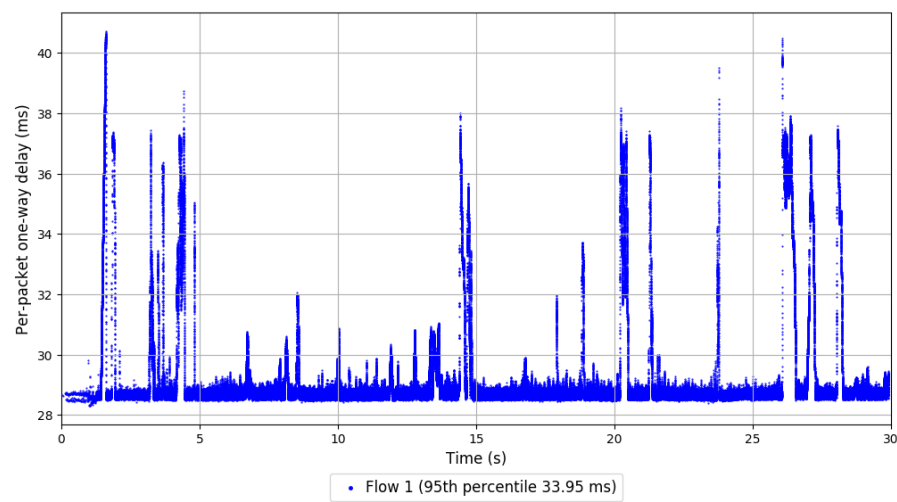
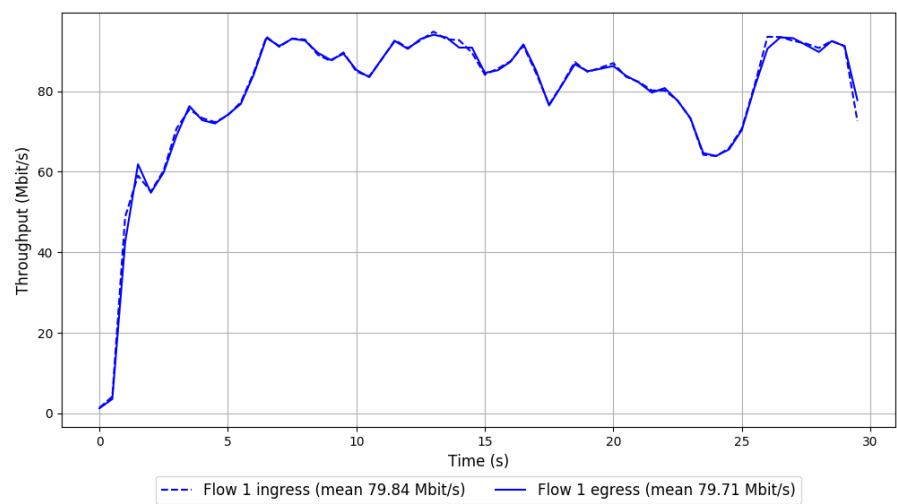
-- Flow 1:

Average throughput: 79.71 Mbit/s

95th percentile per-packet one-way delay: 33.955 ms

Loss rate: 0.17%

Run 6: Report of Vivace-latency — Data Link

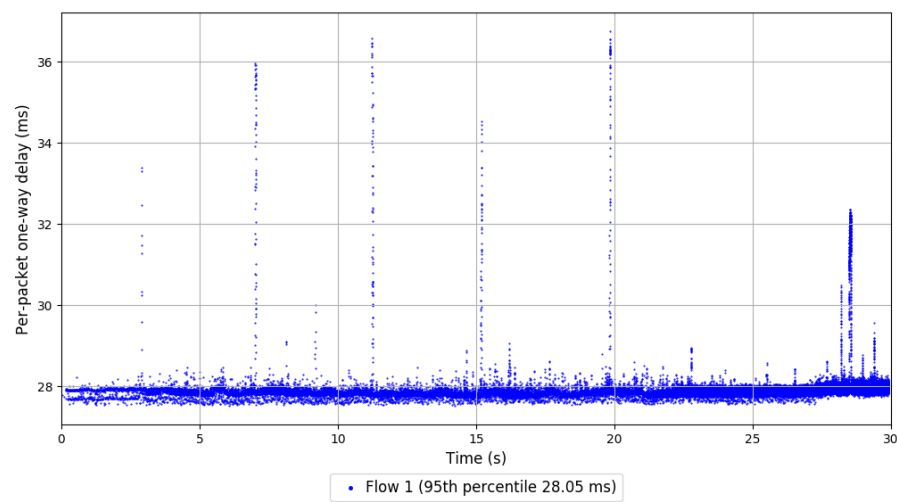
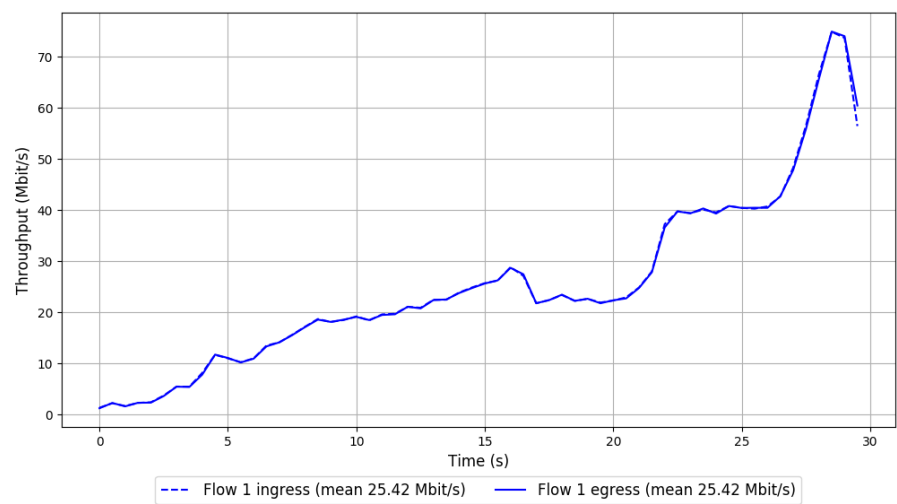


Run 7: Statistics of Vivace-latency

Start at: 2018-02-27 17:44:13
End at: 2018-02-27 17:44:43
Local clock offset: 2.043 ms
Remote clock offset: -8.353 ms

Below is generated by plot.py at 2018-02-27 20:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 28.053 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 28.053 ms
Loss rate: 0.02%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-27 18:09:34

End at: 2018-02-27 18:10:04

Local clock offset: -3.947 ms

Remote clock offset: -6.63 ms

Below is generated by plot.py at 2018-02-27 20:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.11 Mbit/s

95th percentile per-packet one-way delay: 37.961 ms

Loss rate: 0.58%

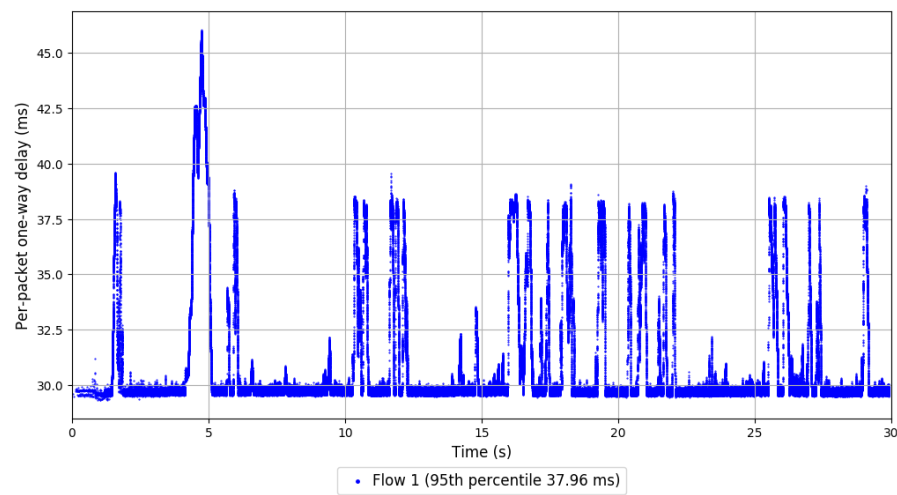
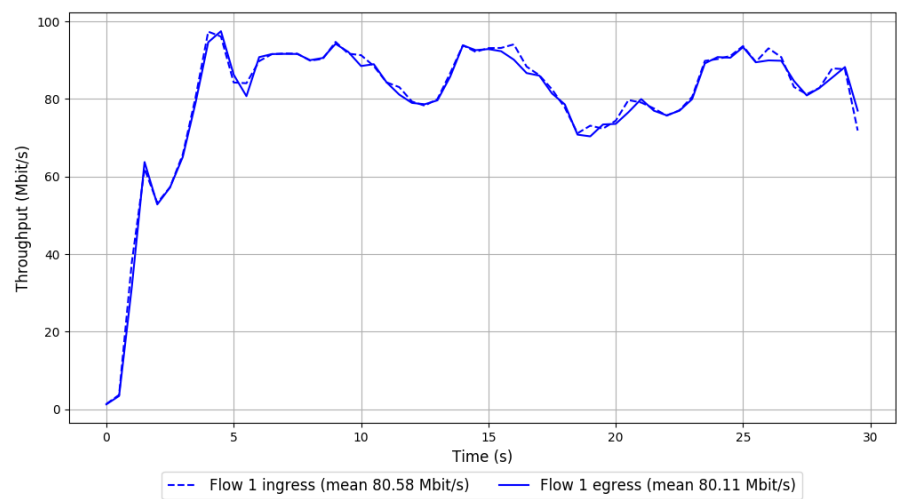
-- Flow 1:

Average throughput: 80.11 Mbit/s

95th percentile per-packet one-way delay: 37.961 ms

Loss rate: 0.58%

Run 8: Report of Vivace-latency — Data Link

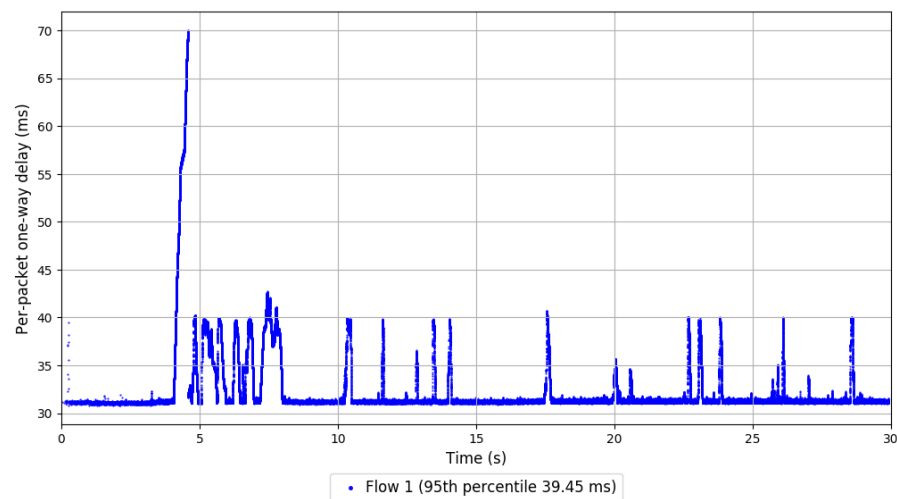
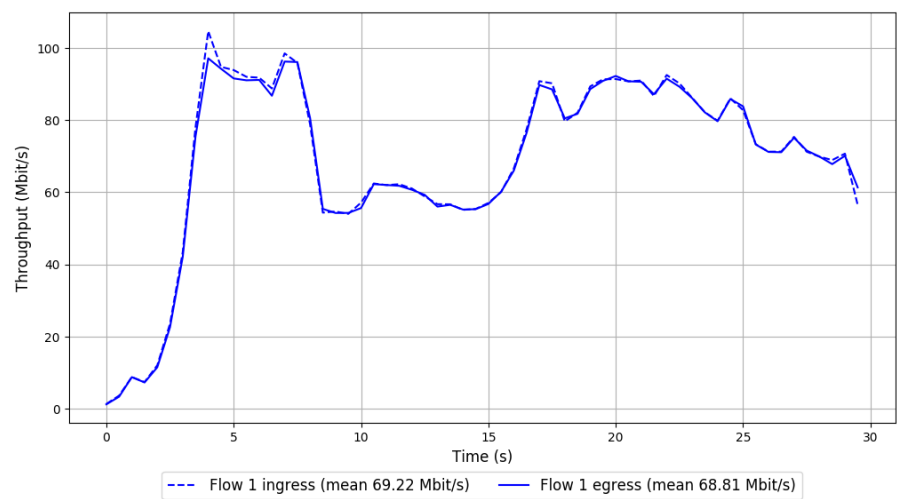


Run 9: Statistics of Vivace-latency

Start at: 2018-02-27 18:35:46
End at: 2018-02-27 18:36:16
Local clock offset: -1.125 ms
Remote clock offset: -1.499 ms

Below is generated by plot.py at 2018-02-27 20:13:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.81 Mbit/s
95th percentile per-packet one-way delay: 39.449 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 68.81 Mbit/s
95th percentile per-packet one-way delay: 39.449 ms
Loss rate: 0.59%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-27 19:01:32

End at: 2018-02-27 19:02:02

Local clock offset: 2.043 ms

Remote clock offset: -3.963 ms

Below is generated by plot.py at 2018-02-27 20:14:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.90 Mbit/s

95th percentile per-packet one-way delay: 39.507 ms

Loss rate: 0.61%

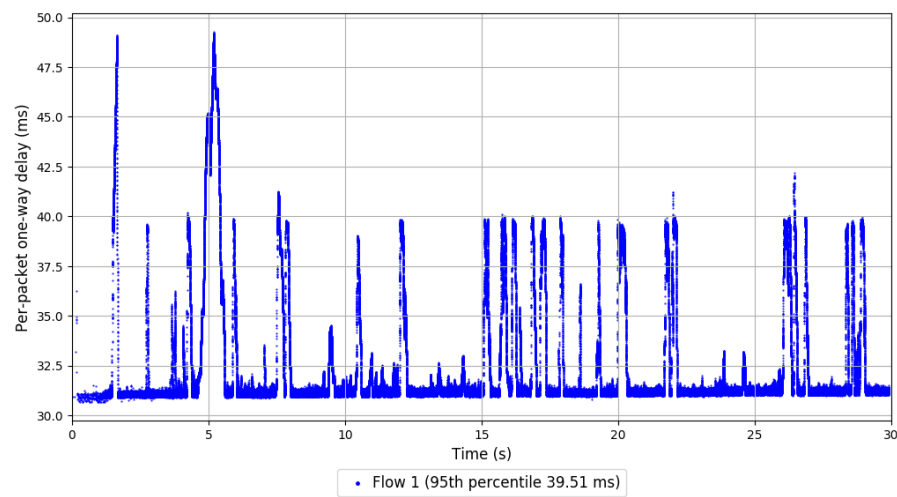
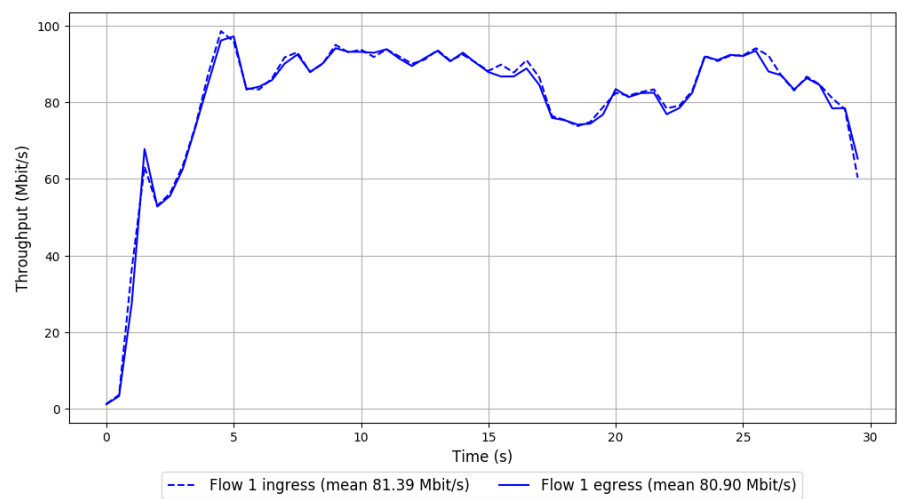
-- Flow 1:

Average throughput: 80.90 Mbit/s

95th percentile per-packet one-way delay: 39.507 ms

Loss rate: 0.61%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-02-27 15:01:58

End at: 2018-02-27 15:02:28

Local clock offset: 0.474 ms

Remote clock offset: -3.942 ms

Below is generated by plot.py at 2018-02-27 20:14:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.16 Mbit/s

95th percentile per-packet one-way delay: 56.169 ms

Loss rate: 2.85%

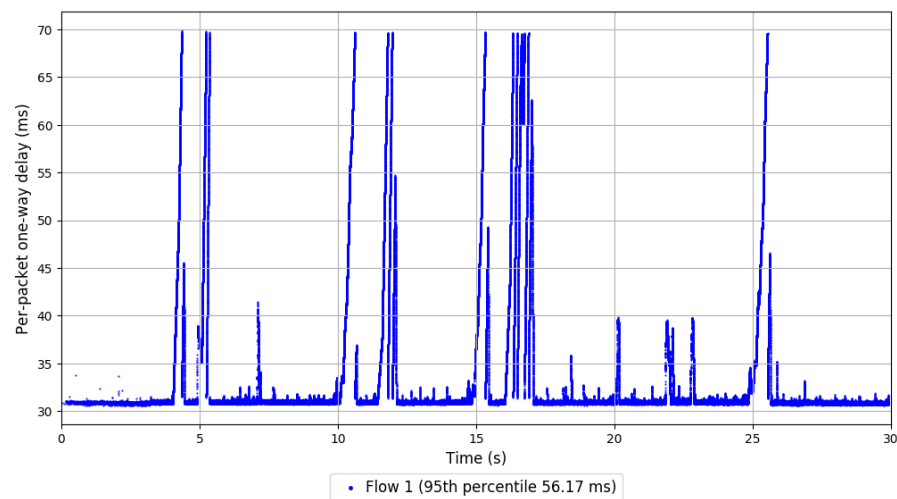
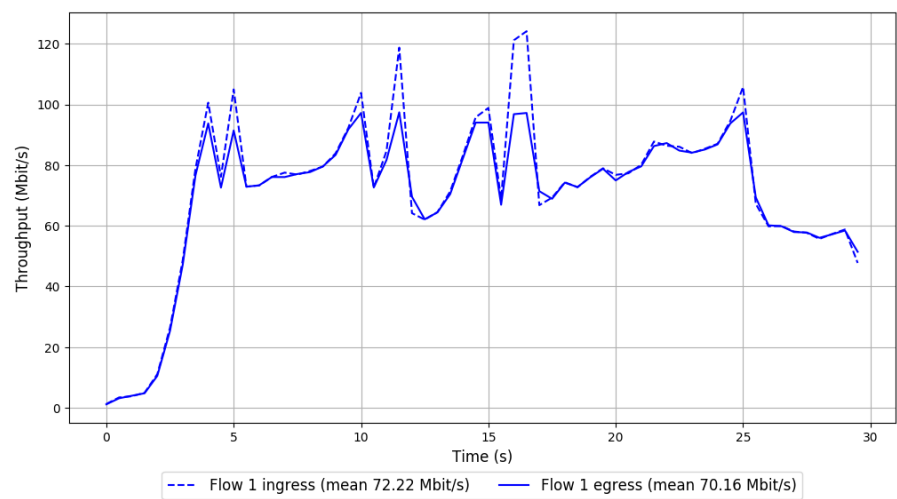
-- Flow 1:

Average throughput: 70.16 Mbit/s

95th percentile per-packet one-way delay: 56.169 ms

Loss rate: 2.85%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-27 15:27:38

End at: 2018-02-27 15:28:08

Local clock offset: -4.306 ms

Remote clock offset: -8.326 ms

Below is generated by plot.py at 2018-02-27 20:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.32 Mbit/s

95th percentile per-packet one-way delay: 59.529 ms

Loss rate: 2.34%

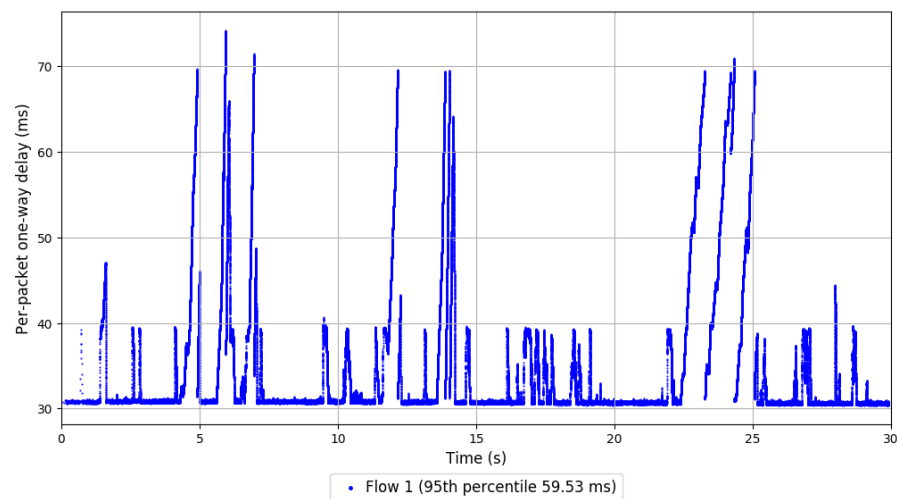
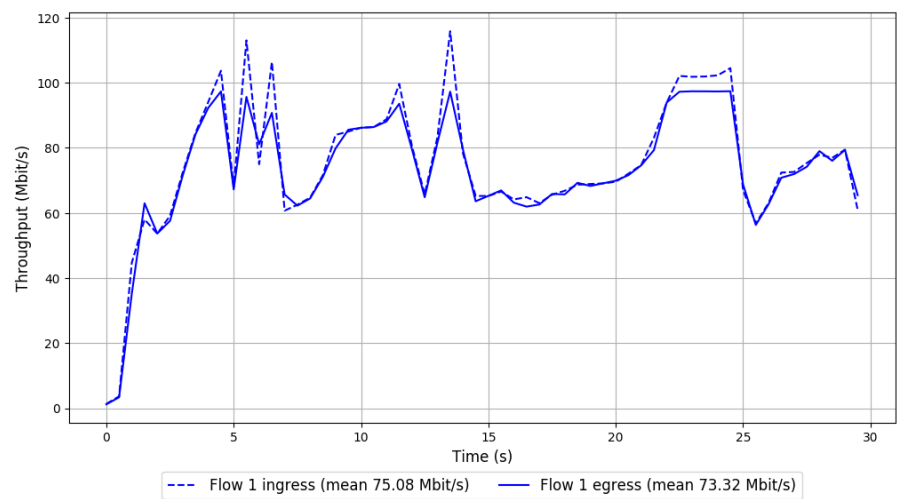
-- Flow 1:

Average throughput: 73.32 Mbit/s

95th percentile per-packet one-way delay: 59.529 ms

Loss rate: 2.34%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-27 15:54:44

End at: 2018-02-27 15:55:14

Local clock offset: -7.156 ms

Remote clock offset: -2.83 ms

Below is generated by plot.py at 2018-02-27 20:14:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.60 Mbit/s

95th percentile per-packet one-way delay: 64.486 ms

Loss rate: 3.35%

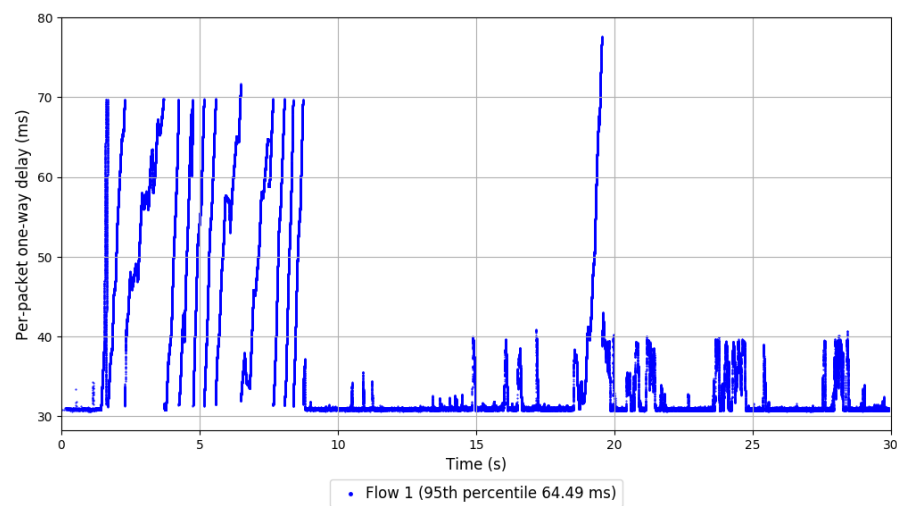
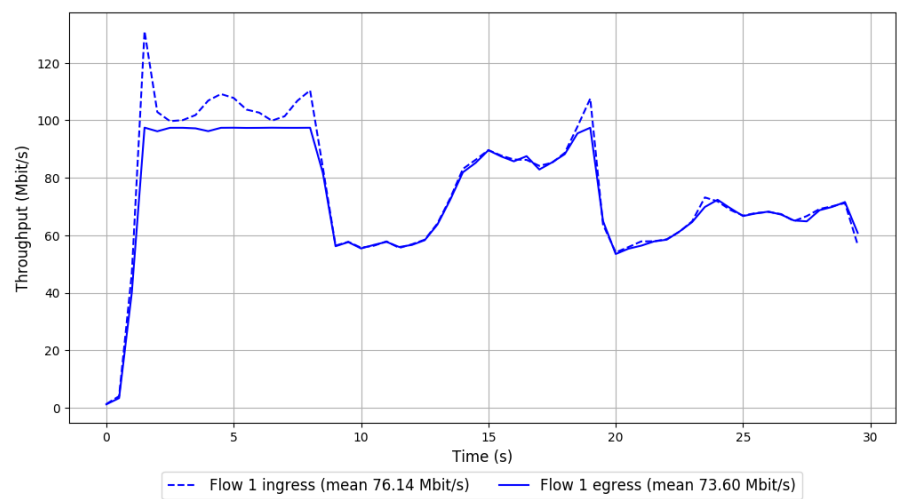
-- Flow 1:

Average throughput: 73.60 Mbit/s

95th percentile per-packet one-way delay: 64.486 ms

Loss rate: 3.35%

Run 3: Report of Vivace-loss — Data Link

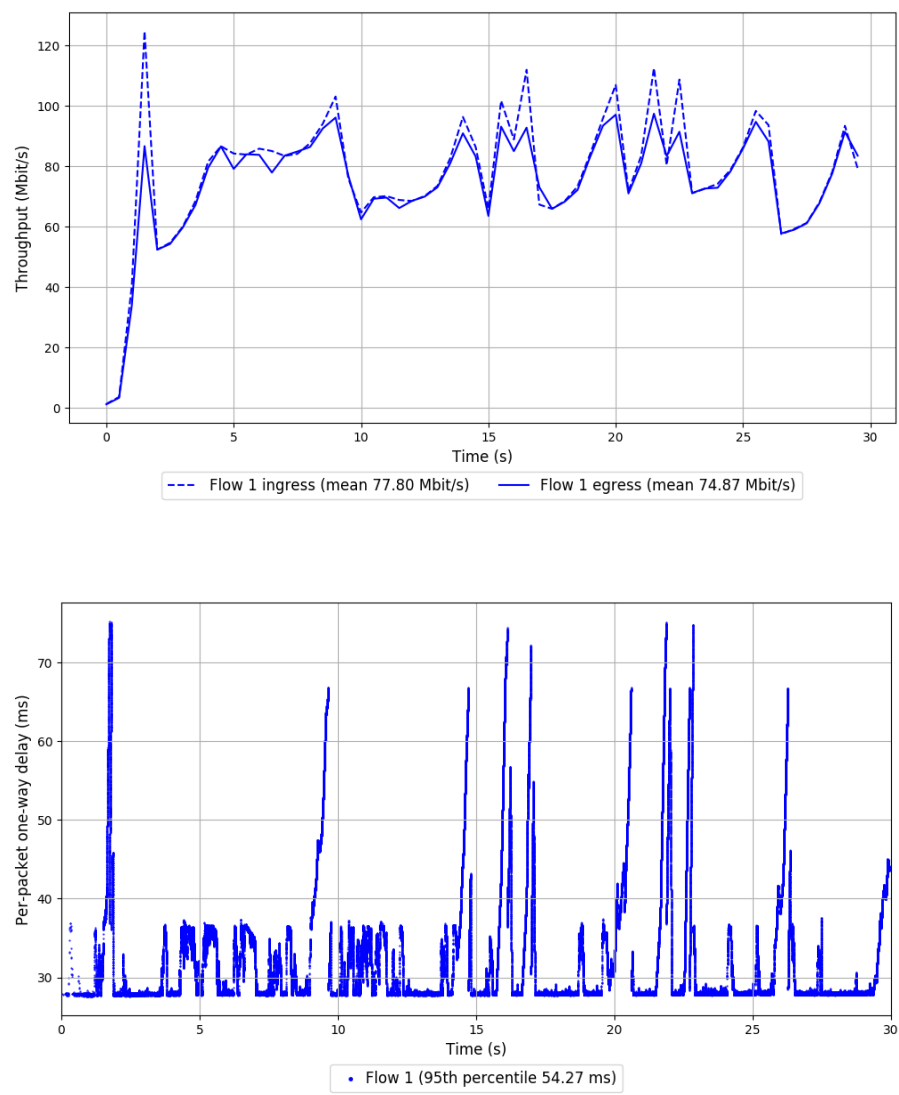


Run 4: Statistics of Vivace-loss

Start at: 2018-02-27 16:20:19
End at: 2018-02-27 16:20:49
Local clock offset: -4.496 ms
Remote clock offset: -6.388 ms

Below is generated by plot.py at 2018-02-27 20:14:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 54.271 ms
Loss rate: 3.71%
-- Flow 1:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 54.271 ms
Loss rate: 3.71%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-27 16:44:52

End at: 2018-02-27 16:45:22

Local clock offset: -2.786 ms

Remote clock offset: -4.2 ms

Below is generated by plot.py at 2018-02-27 20:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.99 Mbit/s

95th percentile per-packet one-way delay: 56.928 ms

Loss rate: 3.14%

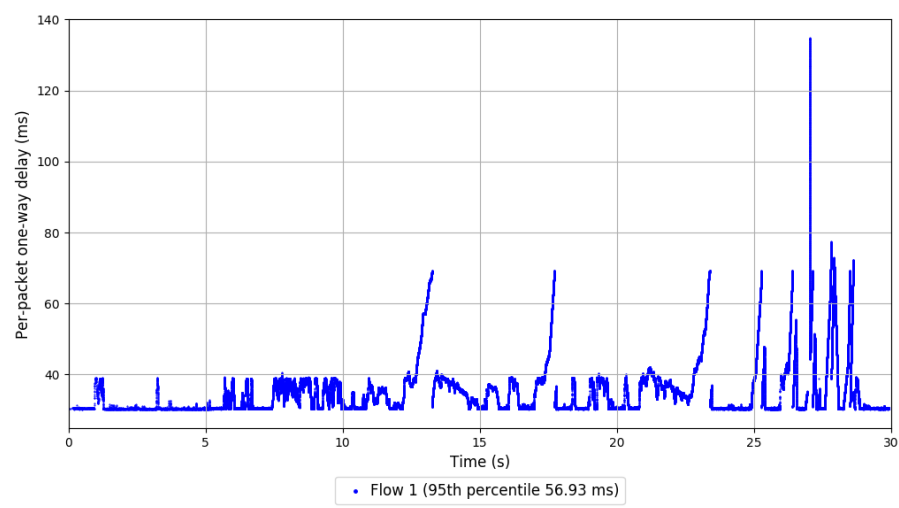
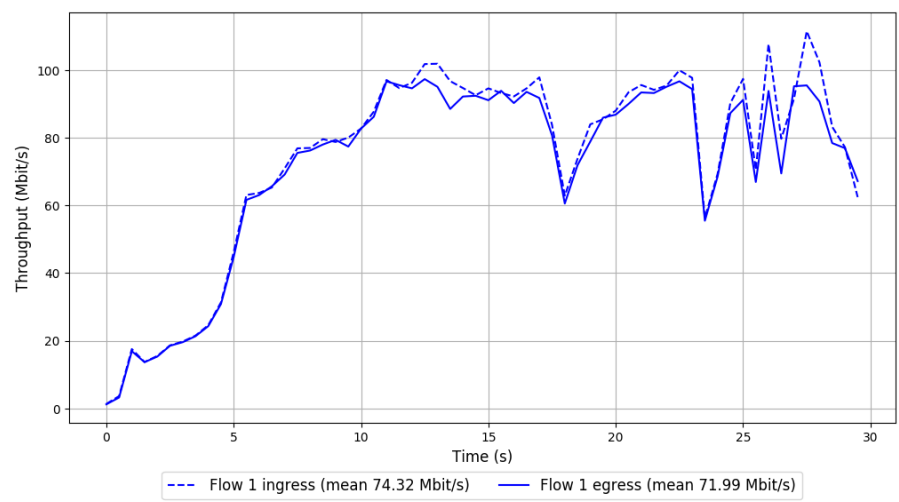
-- Flow 1:

Average throughput: 71.99 Mbit/s

95th percentile per-packet one-way delay: 56.928 ms

Loss rate: 3.14%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-27 17:11:12

End at: 2018-02-27 17:11:42

Local clock offset: -4.156 ms

Remote clock offset: -5.1 ms

Below is generated by plot.py at 2018-02-27 20:15:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.47 Mbit/s

95th percentile per-packet one-way delay: 64.089 ms

Loss rate: 3.68%

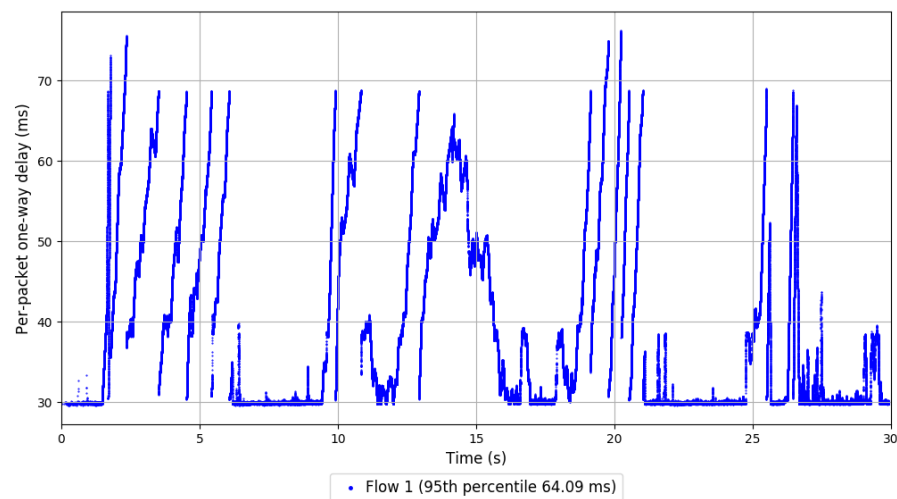
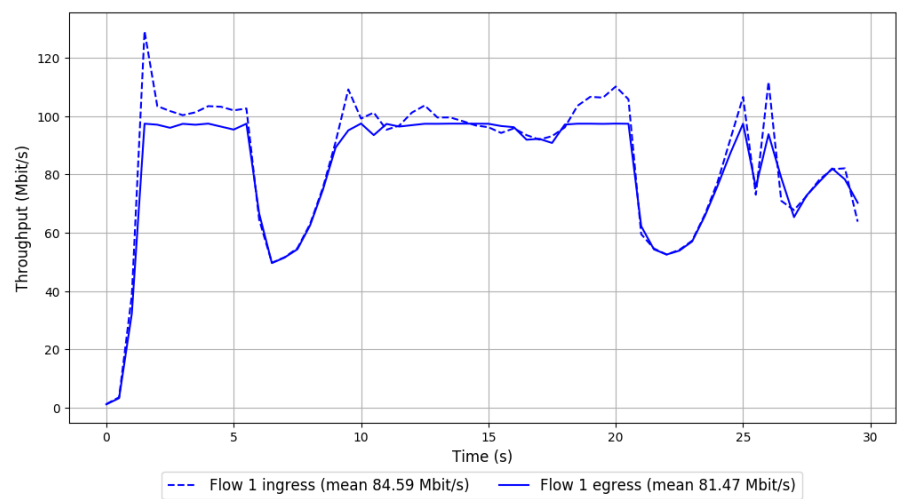
-- Flow 1:

Average throughput: 81.47 Mbit/s

95th percentile per-packet one-way delay: 64.089 ms

Loss rate: 3.68%

Run 6: Report of Vivace-loss — Data Link

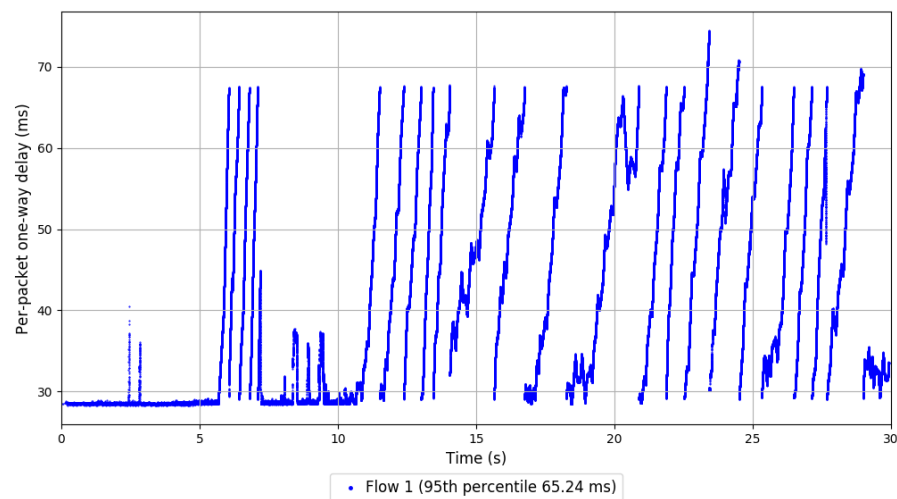
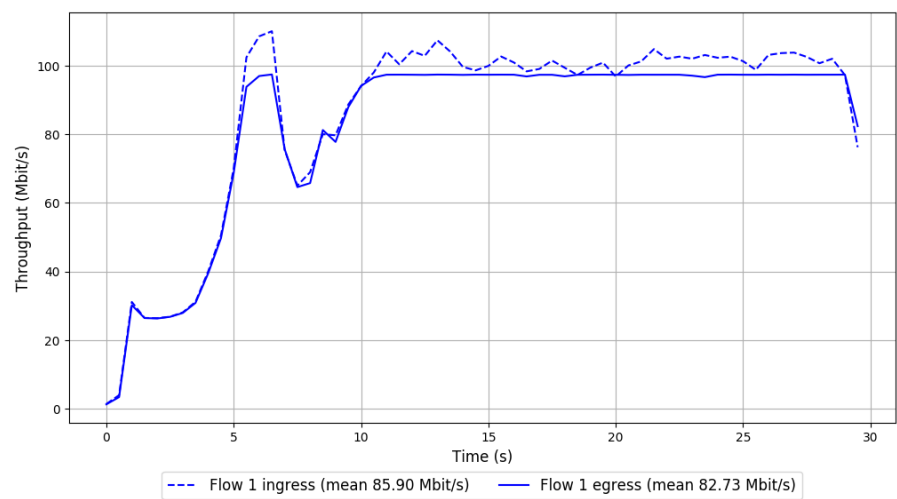


Run 7: Statistics of Vivace-loss

Start at: 2018-02-27 17:40:40
End at: 2018-02-27 17:41:10
Local clock offset: 1.681 ms
Remote clock offset: -8.188 ms

Below is generated by plot.py at 2018-02-27 20:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 65.236 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 65.236 ms
Loss rate: 3.69%

Run 7: Report of Vivace-loss — Data Link

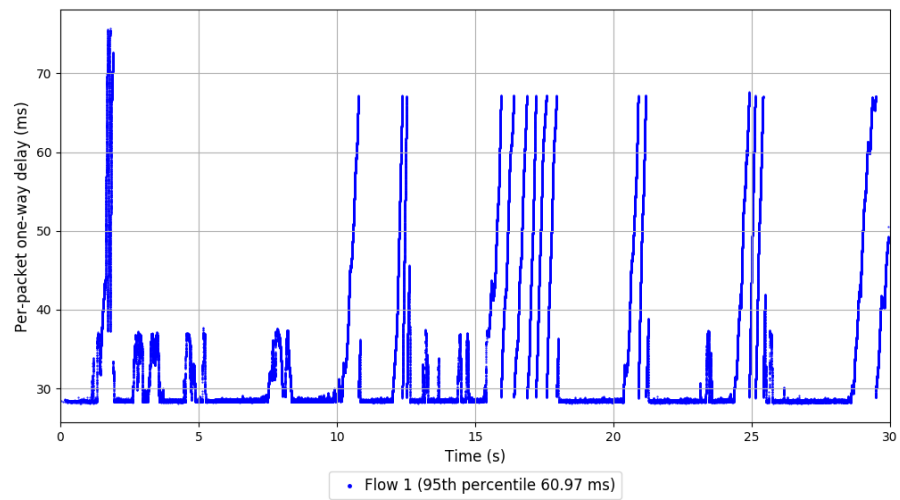
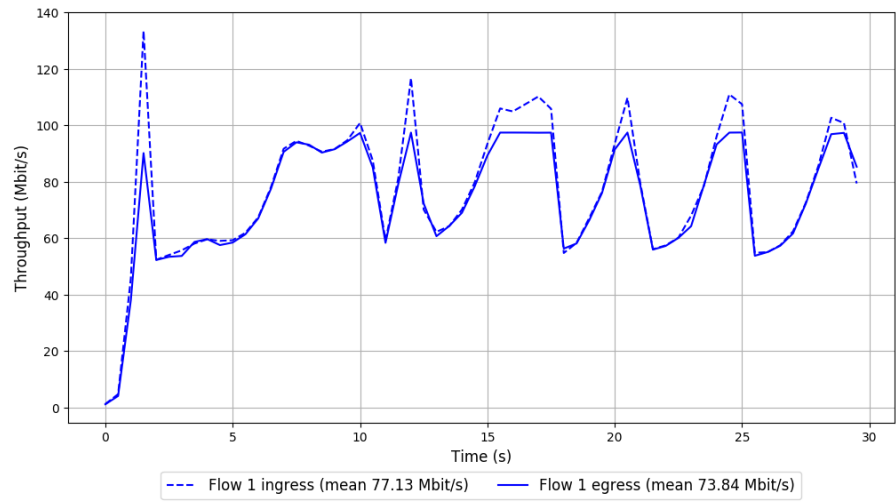


Run 8: Statistics of Vivace-loss

Start at: 2018-02-27 18:06:46
End at: 2018-02-27 18:07:16
Local clock offset: -3.536 ms
Remote clock offset: -8.569 ms

Below is generated by plot.py at 2018-02-27 20:15:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.84 Mbit/s
95th percentile per-packet one-way delay: 60.973 ms
Loss rate: 4.20%
-- Flow 1:
Average throughput: 73.84 Mbit/s
95th percentile per-packet one-way delay: 60.973 ms
Loss rate: 4.20%

Run 8: Report of Vivace-loss — Data Link

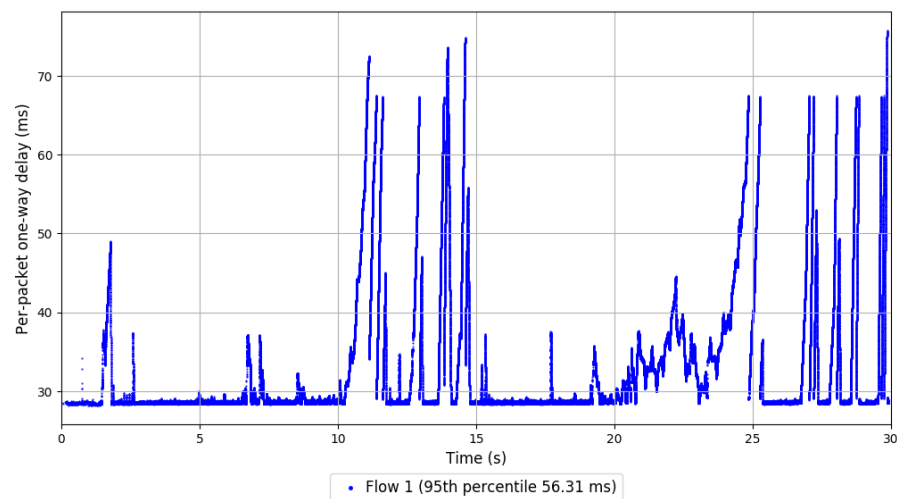
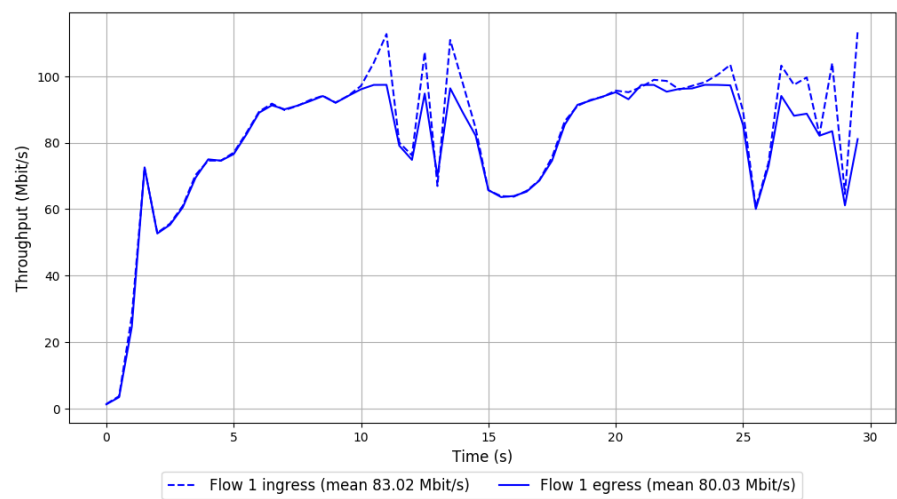


Run 9: Statistics of Vivace-loss

Start at: 2018-02-27 18:32:43
End at: 2018-02-27 18:33:13
Local clock offset: -1.987 ms
Remote clock offset: -4.545 ms

Below is generated by plot.py at 2018-02-27 20:15:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.03 Mbit/s
95th percentile per-packet one-way delay: 56.315 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 80.03 Mbit/s
95th percentile per-packet one-way delay: 56.315 ms
Loss rate: 3.60%

Run 9: Report of Vivace-loss — Data Link

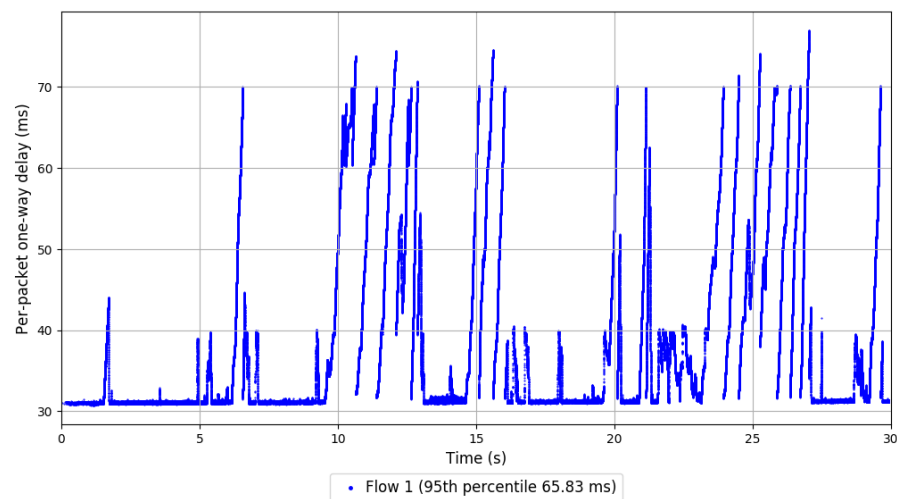
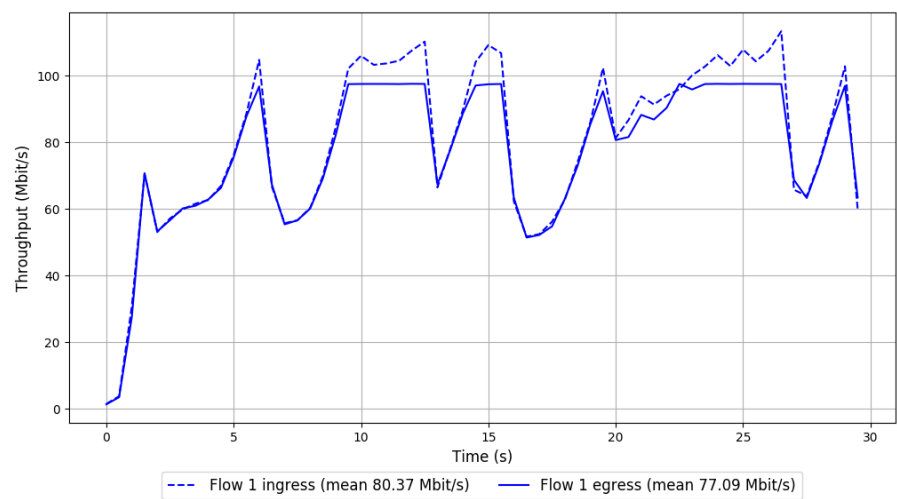


Run 10: Statistics of Vivace-loss

Start at: 2018-02-27 18:58:45
End at: 2018-02-27 18:59:15
Local clock offset: 1.893 ms
Remote clock offset: -3.203 ms

Below is generated by plot.py at 2018-02-27 20:15:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 65.835 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 65.835 ms
Loss rate: 4.07%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-27 15:24:36

End at: 2018-02-27 15:25:06

Local clock offset: -4.083 ms

Remote clock offset: -7.988 ms

Below is generated by plot.py at 2018-02-27 20:15:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.11 Mbit/s

95th percentile per-packet one-way delay: 38.759 ms

Loss rate: 1.20%

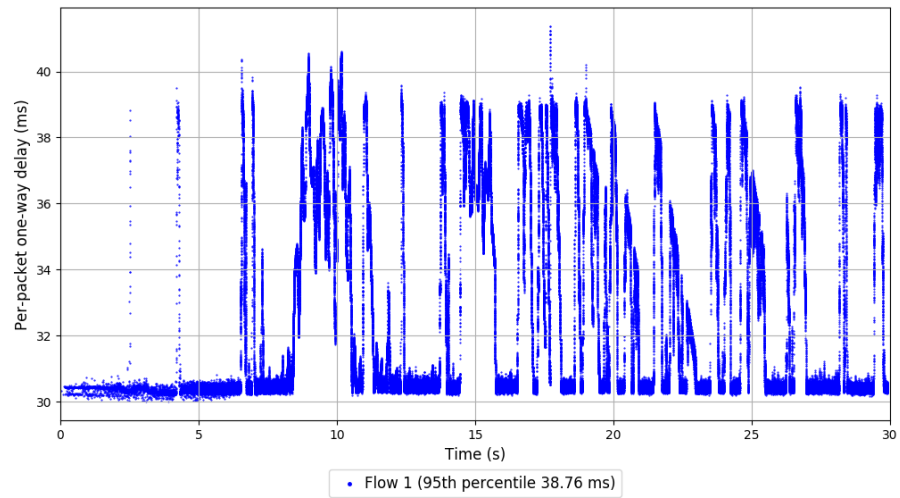
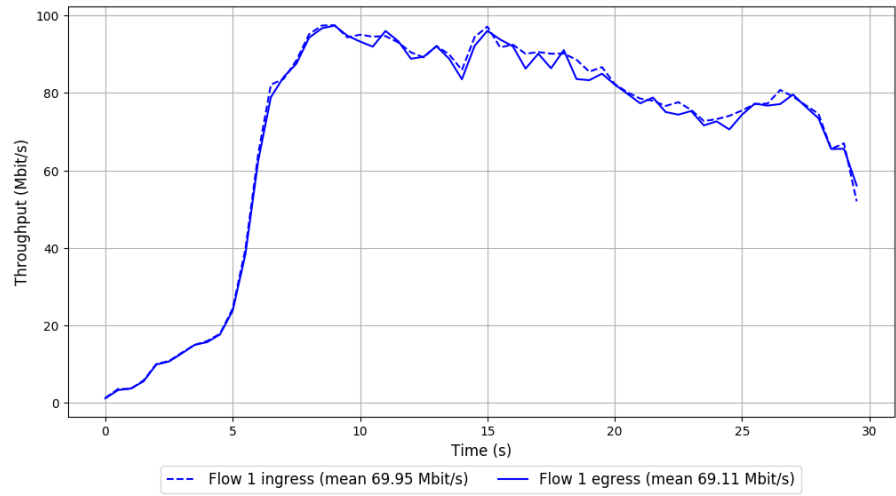
-- Flow 1:

Average throughput: 69.11 Mbit/s

95th percentile per-packet one-way delay: 38.759 ms

Loss rate: 1.20%

Run 1: Report of Vivace-LTE — Data Link

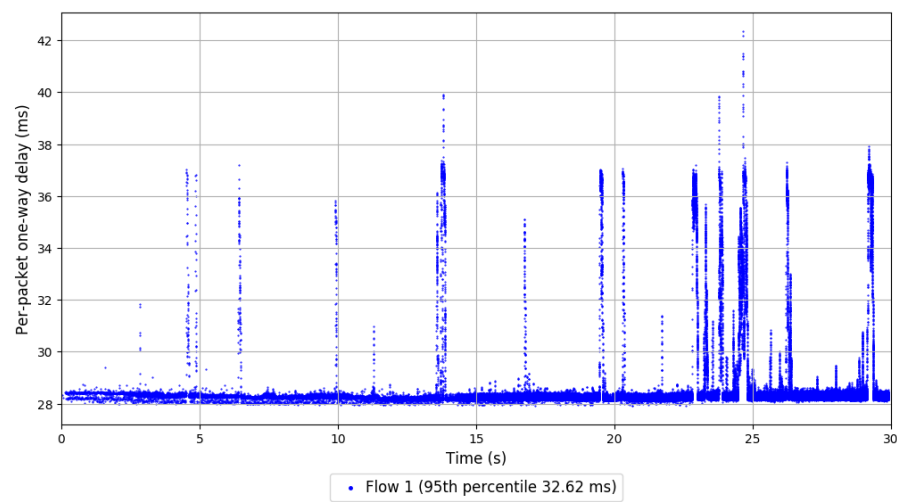
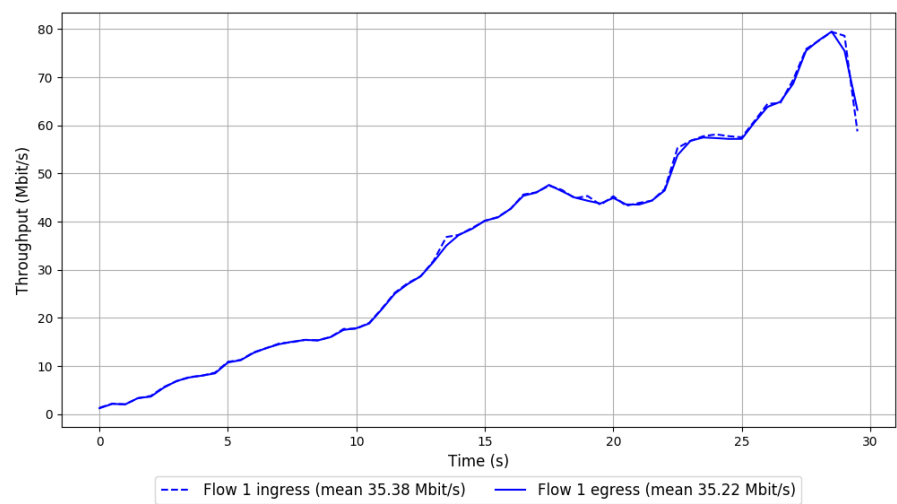


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-27 15:51:31
End at: 2018-02-27 15:52:01
Local clock offset: -6.884 ms
Remote clock offset: -5.642 ms

Below is generated by plot.py at 2018-02-27 20:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 32.624 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 32.624 ms
Loss rate: 0.45%

Run 2: Report of Vivace-LTE — Data Link

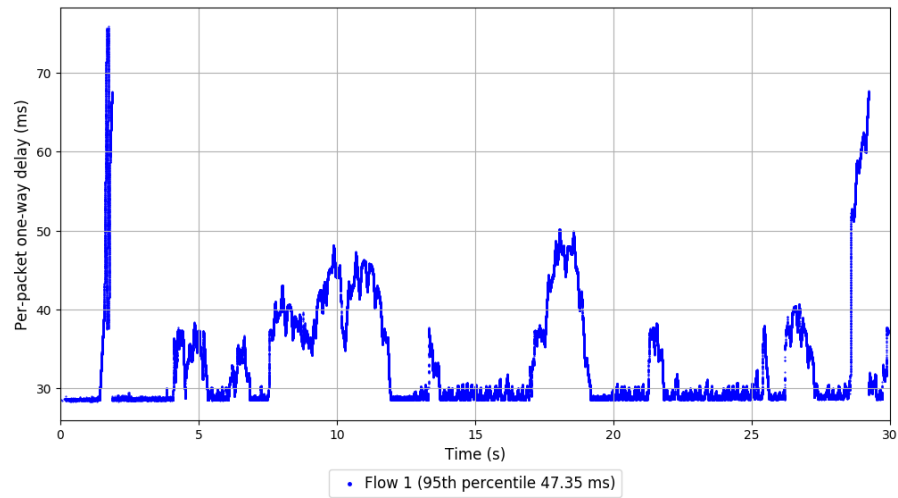
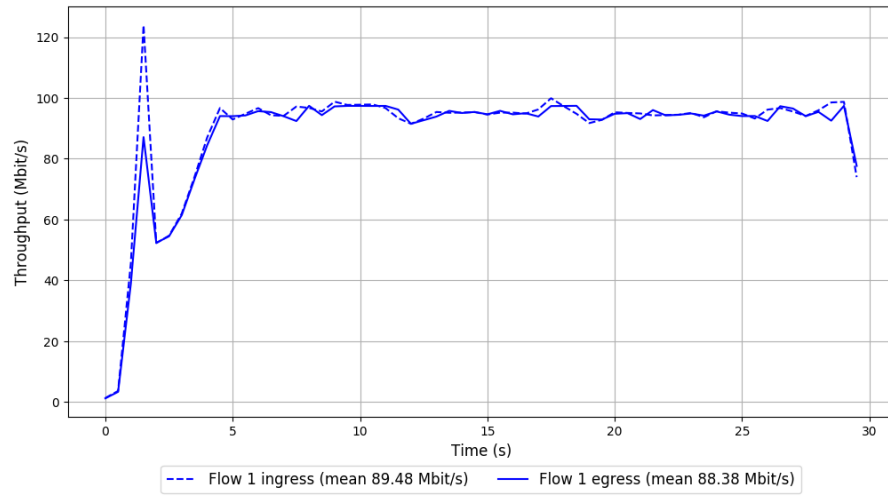


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-27 16:17:29
End at: 2018-02-27 16:17:59
Local clock offset: -5.033 ms
Remote clock offset: -6.226 ms

Below is generated by plot.py at 2018-02-27 20:16:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 47.353 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 47.353 ms
Loss rate: 1.20%

Run 3: Report of Vivace-LTE — Data Link

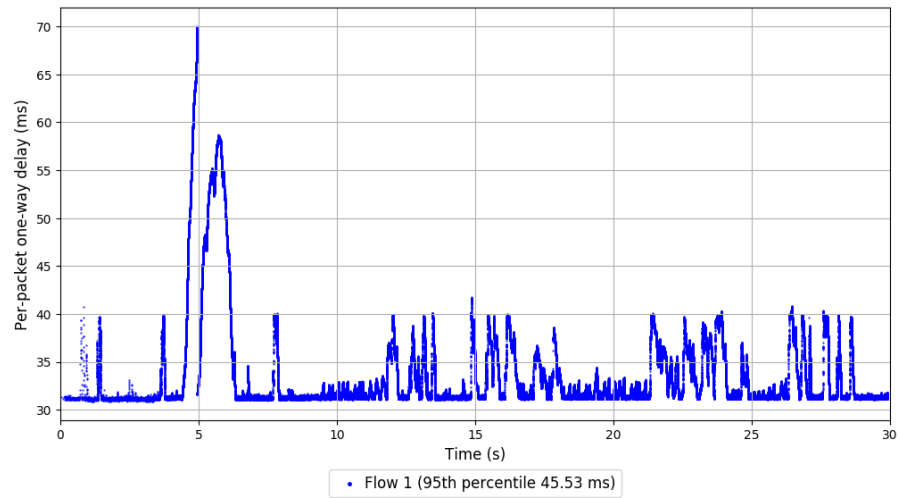
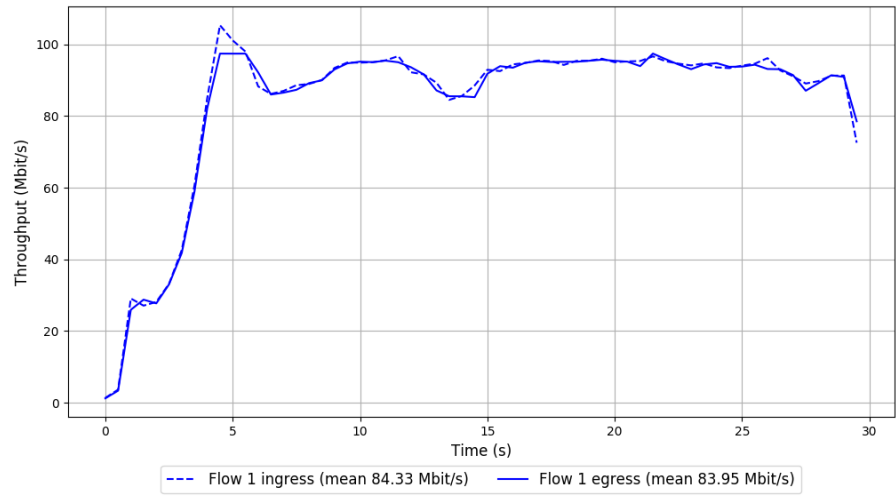


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-27 16:41:58
End at: 2018-02-27 16:42:28
Local clock offset: -2.613 ms
Remote clock offset: -3.593 ms

Below is generated by plot.py at 2018-02-27 20:16:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 45.529 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 45.529 ms
Loss rate: 0.46%

Run 4: Report of Vivace-LTE — Data Link

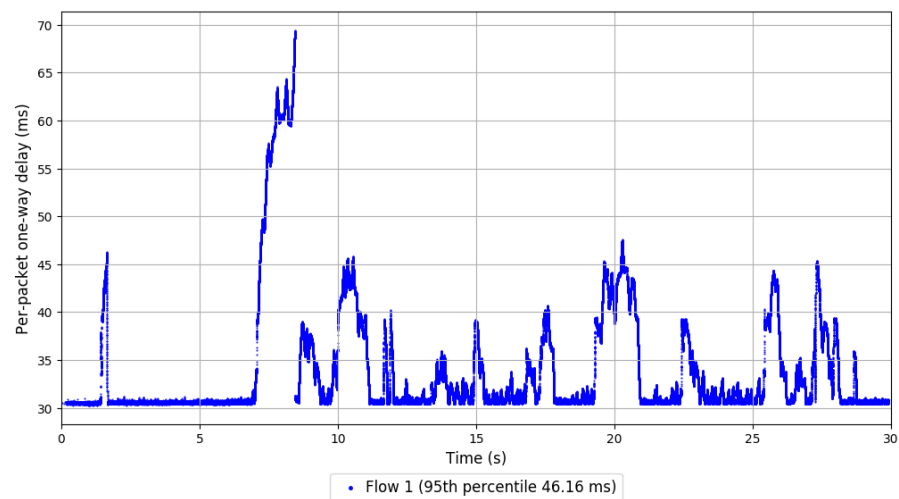
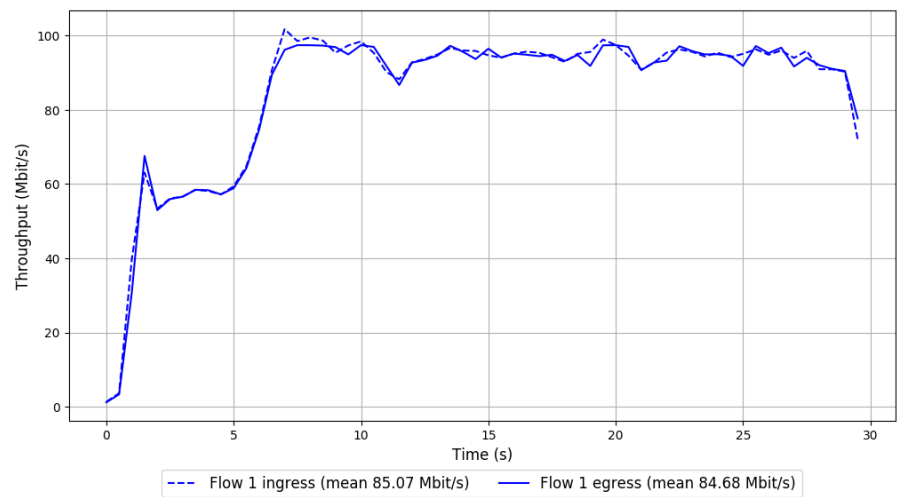


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-27 17:08:01
End at: 2018-02-27 17:08:31
Local clock offset: -4.071 ms
Remote clock offset: -4.202 ms

Below is generated by plot.py at 2018-02-27 20:16:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 46.164 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 46.164 ms
Loss rate: 0.45%

Run 5: Report of Vivace-LTE — Data Link

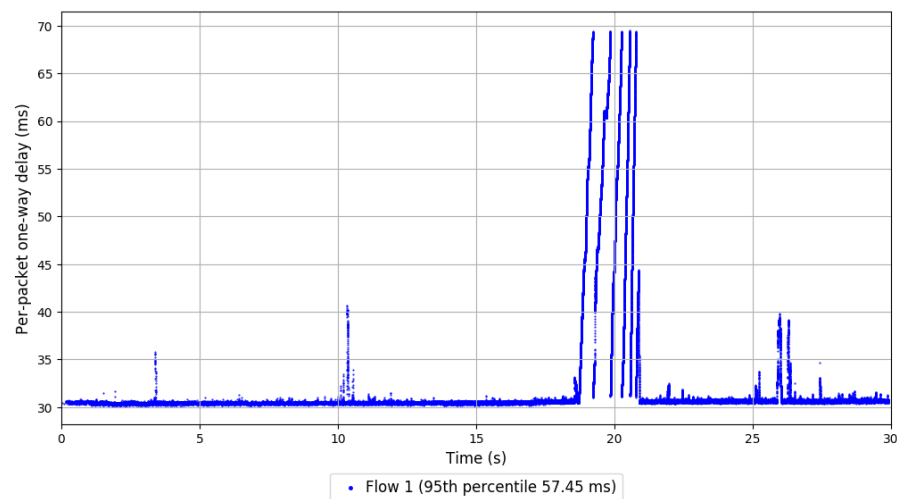
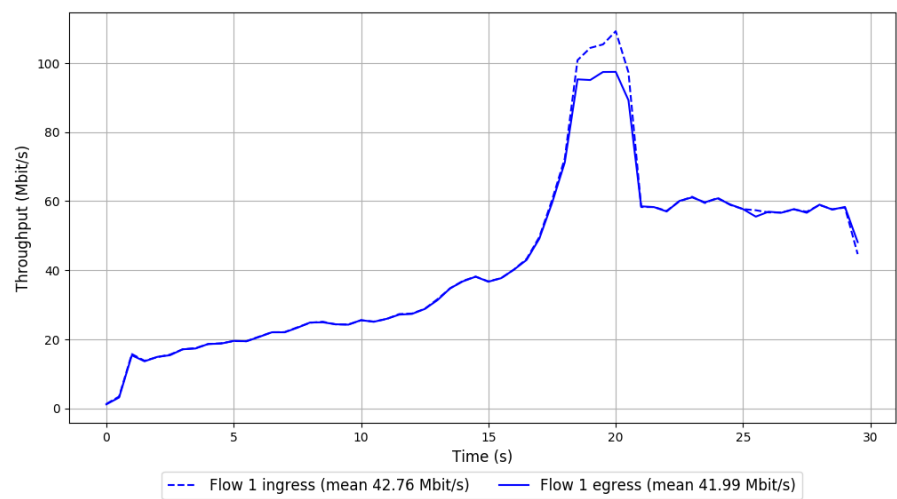


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-27 17:37:20
End at: 2018-02-27 17:37:50
Local clock offset: 1.427 ms
Remote clock offset: -5.969 ms

Below is generated by plot.py at 2018-02-27 20:16:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 57.450 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 57.450 ms
Loss rate: 1.80%

Run 6: Report of Vivace-LTE — Data Link

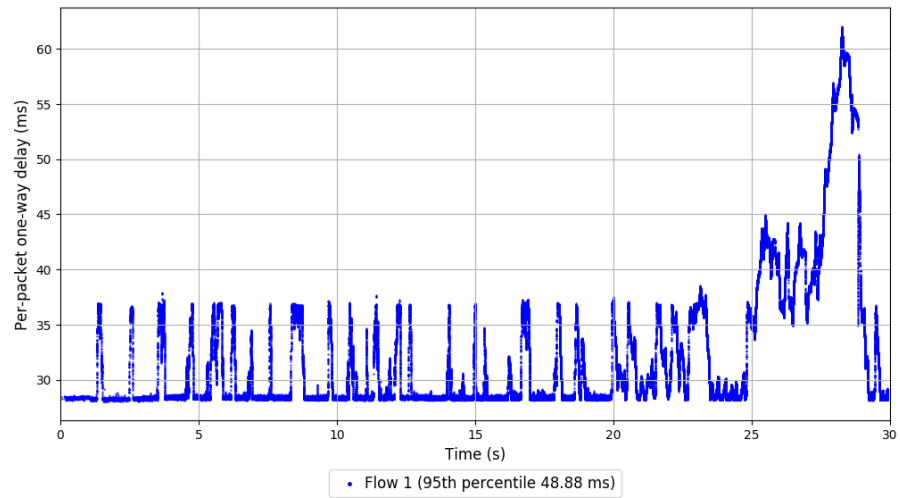
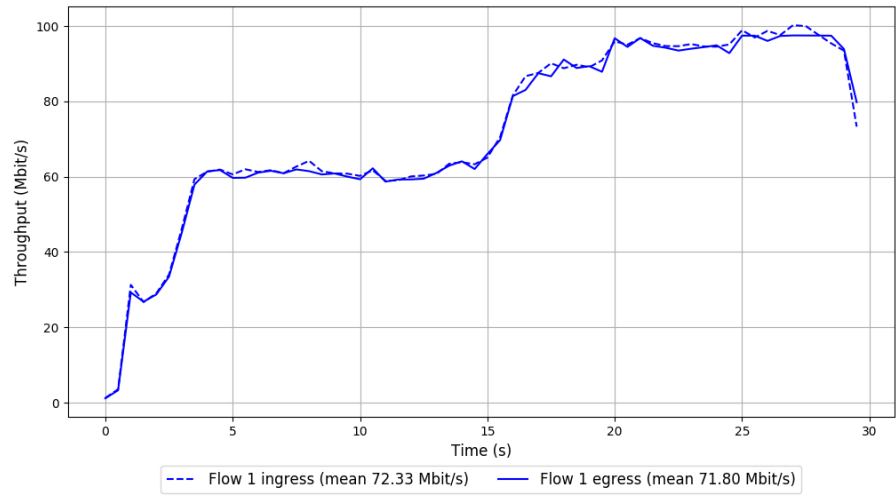


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-27 18:03:53
End at: 2018-02-27 18:04:23
Local clock offset: -2.961 ms
Remote clock offset: -8.501 ms

Below is generated by plot.py at 2018-02-27 20:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.80 Mbit/s
95th percentile per-packet one-way delay: 48.884 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 71.80 Mbit/s
95th percentile per-packet one-way delay: 48.884 ms
Loss rate: 0.74%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-27 18:29:38

End at: 2018-02-27 18:30:08

Local clock offset: -3.148 ms

Remote clock offset: -2.82 ms

Below is generated by plot.py at 2018-02-27 20:16:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.77 Mbit/s

95th percentile per-packet one-way delay: 47.772 ms

Loss rate: 0.90%

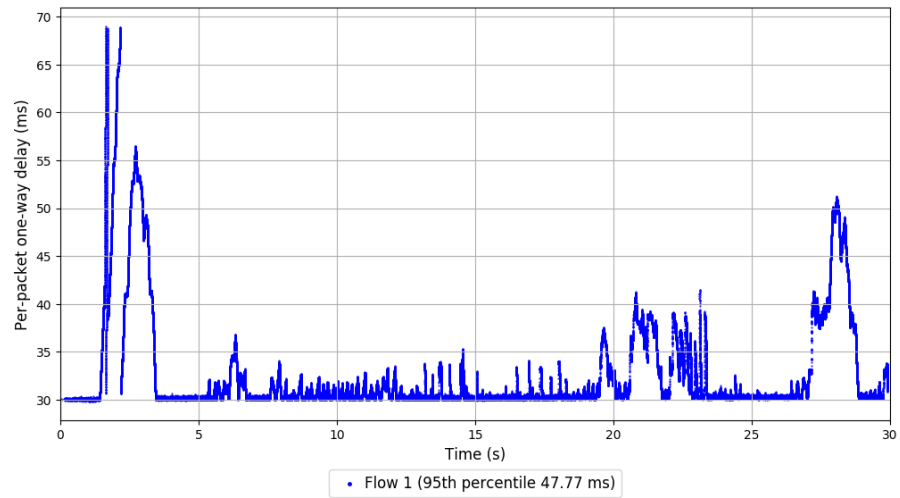
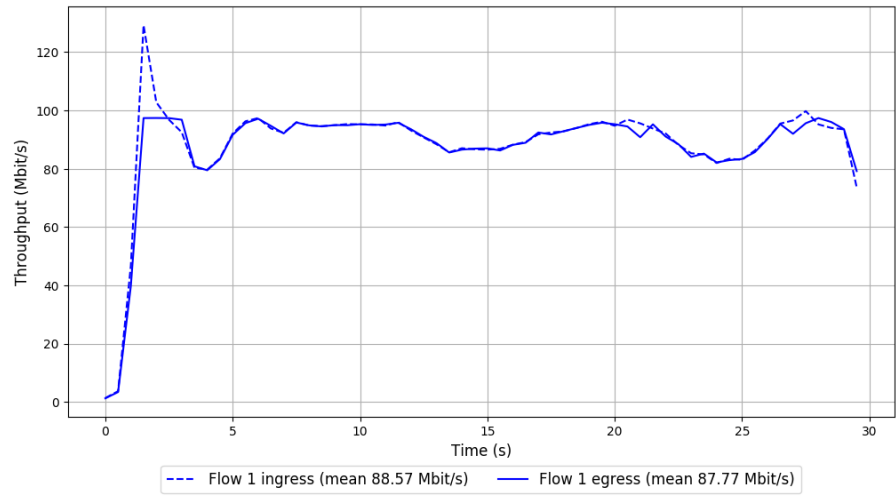
-- Flow 1:

Average throughput: 87.77 Mbit/s

95th percentile per-packet one-way delay: 47.772 ms

Loss rate: 0.90%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-27 18:55:45

End at: 2018-02-27 18:56:15

Local clock offset: 1.54 ms

Remote clock offset: -2.38 ms

Below is generated by plot.py at 2018-02-27 20:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 50.999 ms

Loss rate: 1.21%

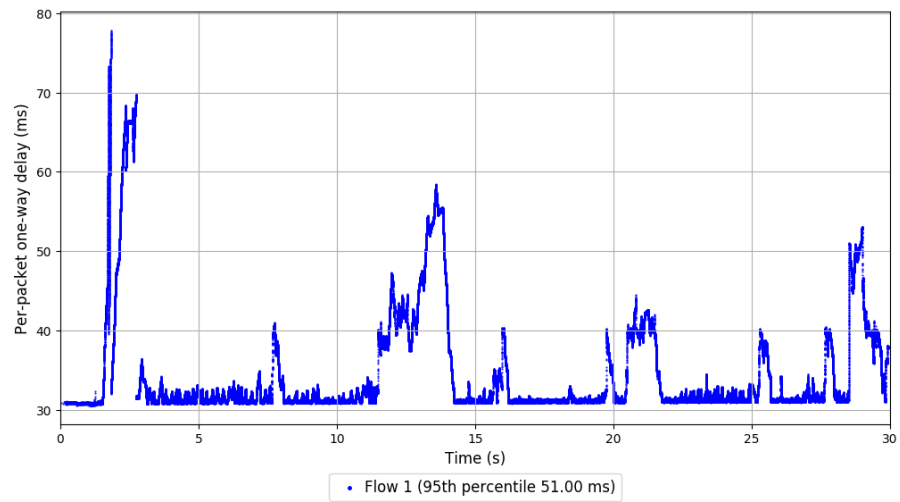
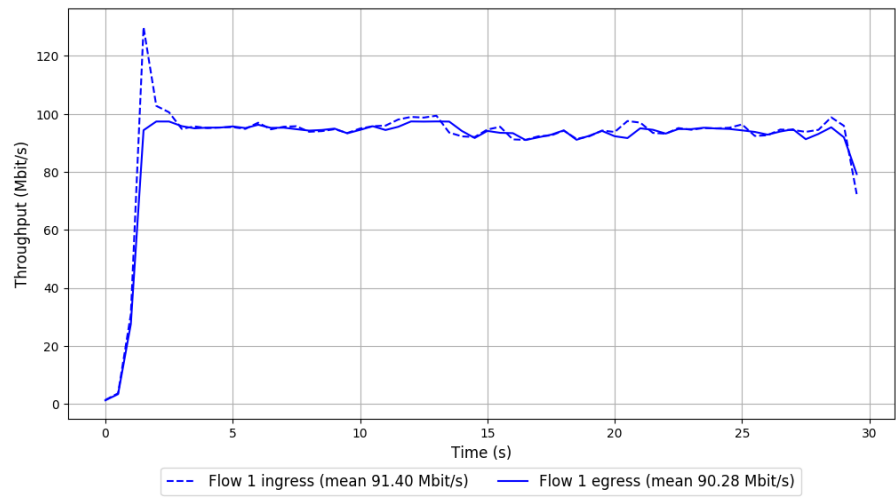
-- Flow 1:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 50.999 ms

Loss rate: 1.21%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-27 19:22:44

End at: 2018-02-27 19:23:14

Local clock offset: 3.177 ms

Remote clock offset: -7.532 ms

Below is generated by plot.py at 2018-02-27 20:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.67 Mbit/s

95th percentile per-packet one-way delay: 61.267 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 89.67 Mbit/s

95th percentile per-packet one-way delay: 61.267 ms

Loss rate: 1.10%

Run 10: Report of Vivace-LTE — Data Link

