

Pantheon Report

Generated at 2018-02-27 18:42:36 (UTC).

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

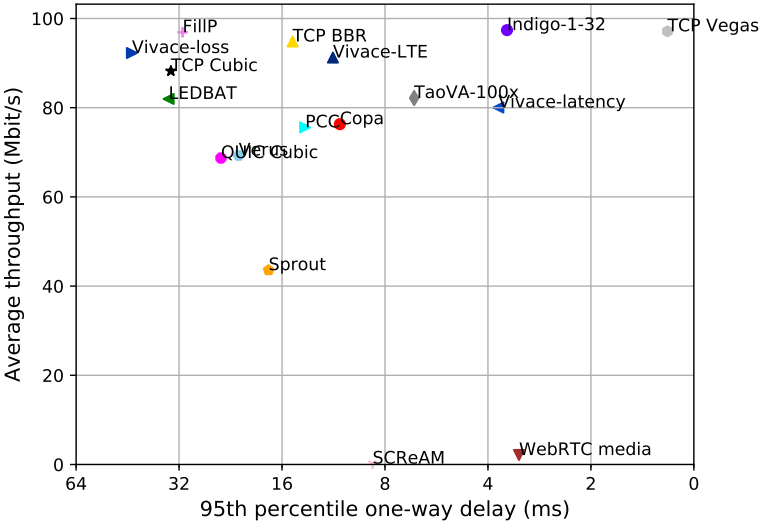
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

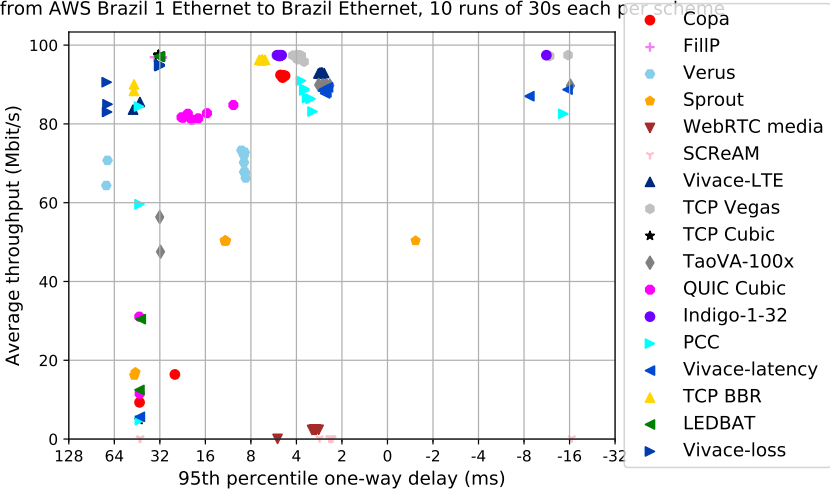
Git summary:

```
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 Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Brazil 1 Ethernet to Brazil 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	94.84	14.90	0.32
TCP Cubic	10	88.22	33.82	0.08
LEDBAT	10	81.96	34.34	0.09
PCC	10	75.58	13.69	0.39
QUIC Cubic	9	68.71	24.14	0.19
SCReAM	10	0.20	8.70	0.45
WebRTC media	10	2.12	3.25	0.00
Sprout	10	43.57	17.51	0.16
TaoVA-100x	10	82.16	6.58	0.30
TCP Vegas	10	97.13	0.51	0.00
Verus	10	69.28	21.42	6.17
Copa	10	76.30	10.84	0.22
FillP	10	96.91	31.26	11.85
Indigo-1-32	10	97.39	3.52	0.00
Vivace-latency	10	80.03	3.73	0.05
Vivace-loss	10	92.26	43.95	3.04
Vivace-LTE	10	91.25	11.36	0.29

Run 1: Statistics of TCP BBR

Start at: 2018-02-27 14:37:26

End at: 2018-02-27 14:37:56

Local clock offset: -6.383 ms

Remote clock offset: -6.884 ms

Below is generated by plot.py at 2018-02-27 18:17:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 6.746 ms

Loss rate: 0.00%

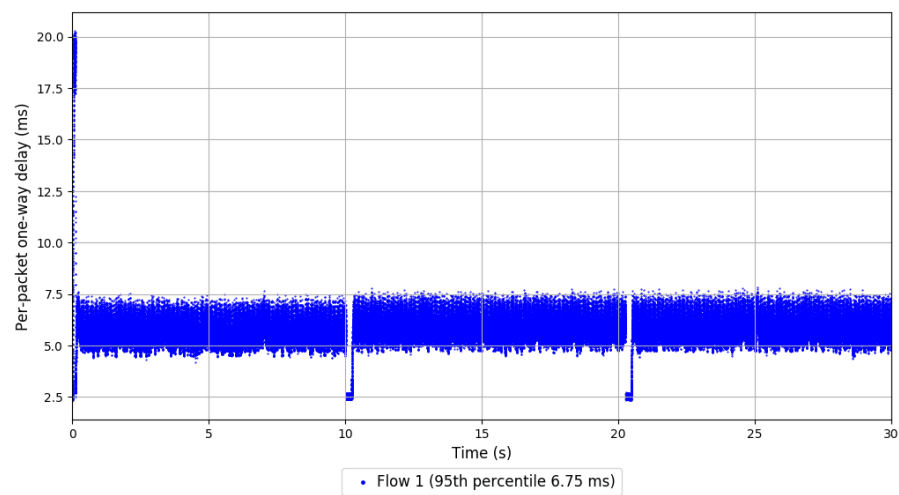
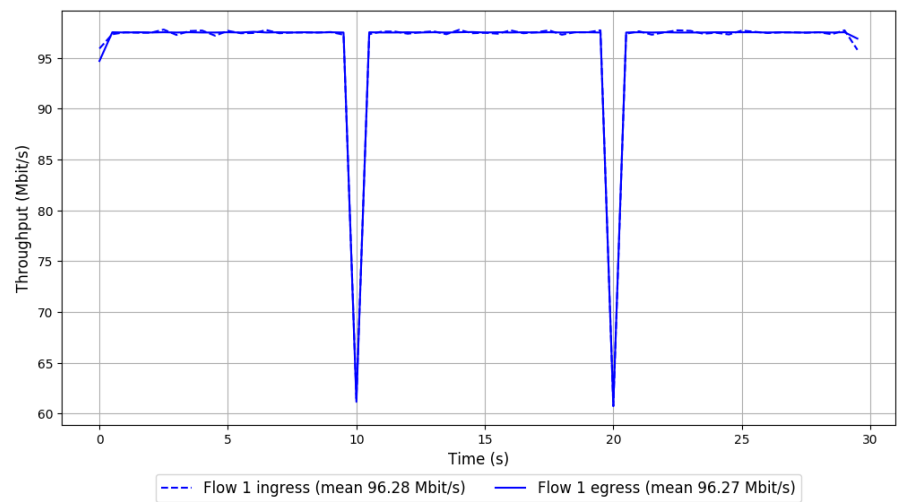
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 6.746 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

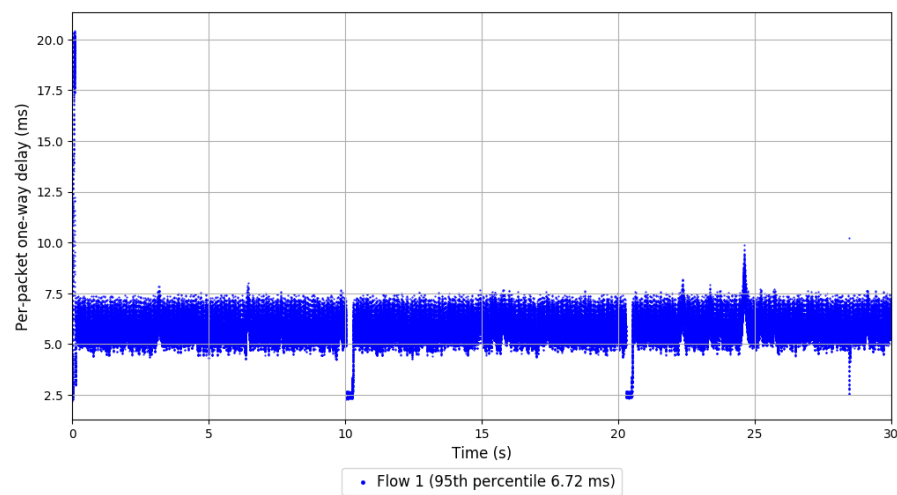
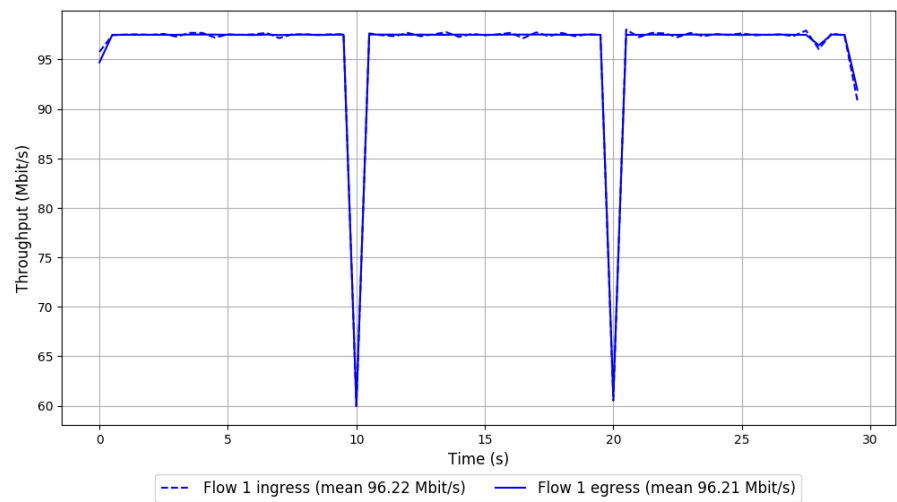


Run 2: Statistics of TCP BBR

Start at: 2018-02-27 14:57:46
End at: 2018-02-27 14:58:16
Local clock offset: -2.847 ms
Remote clock offset: -7.424 ms

Below is generated by plot.py at 2018-02-27 18:17:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 6.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 6.721 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

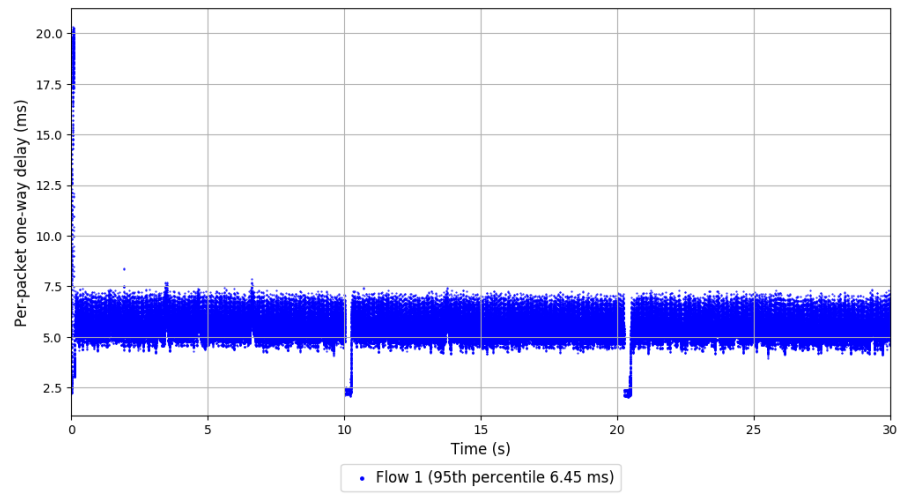
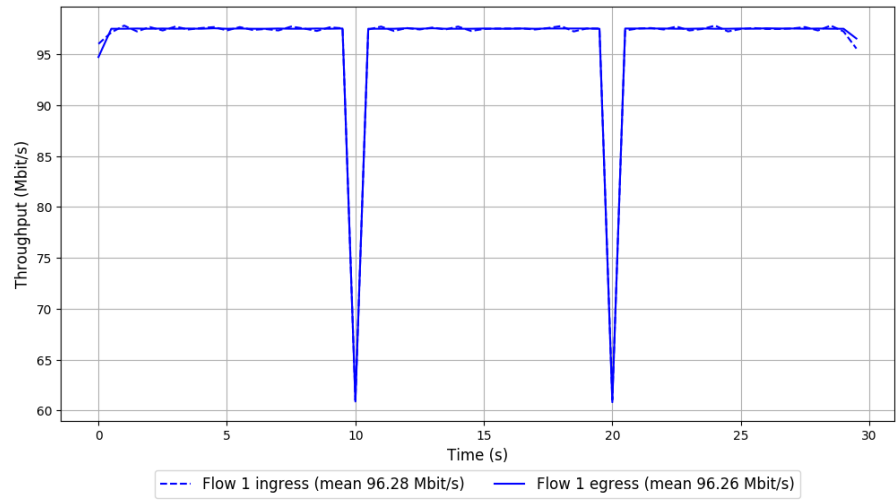


Run 3: Statistics of TCP BBR

Start at: 2018-02-27 15:18:02
End at: 2018-02-27 15:18:32
Local clock offset: -3.319 ms
Remote clock offset: -6.762 ms

Below is generated by plot.py at 2018-02-27 18:17:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 6.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 6.453 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-27 15:38:16

End at: 2018-02-27 15:38:46

Local clock offset: -7.033 ms

Remote clock offset: -6.27 ms

Below is generated by plot.py at 2018-02-27 18:17:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 6.757 ms

Loss rate: 0.00%

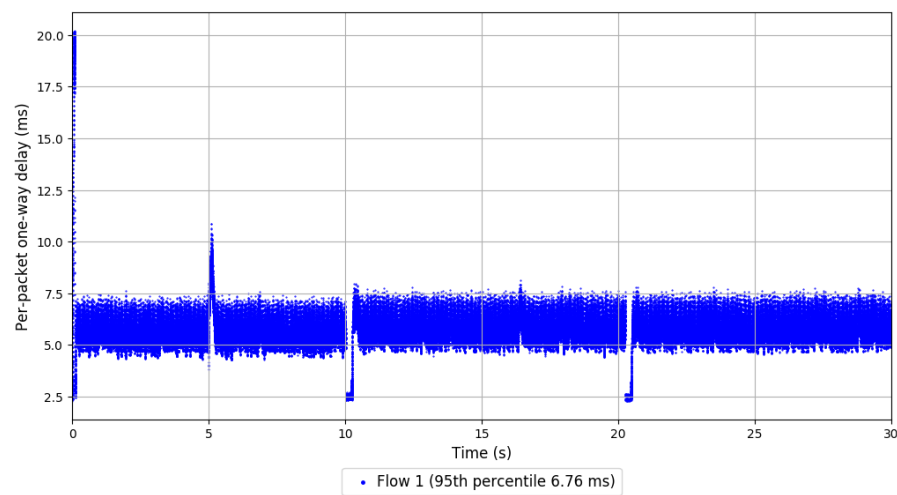
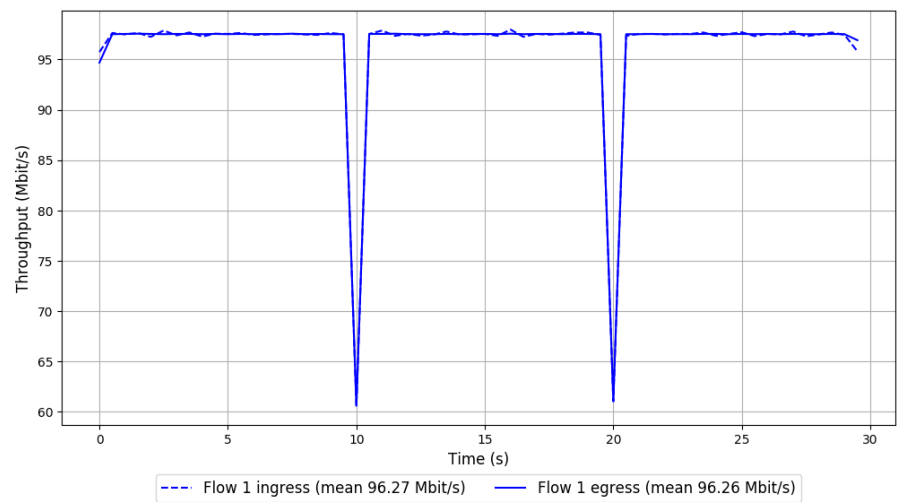
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 6.757 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

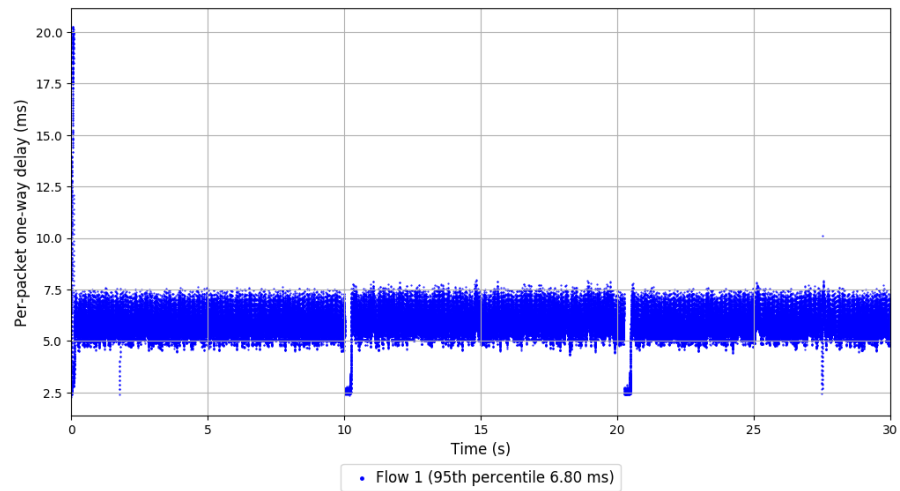
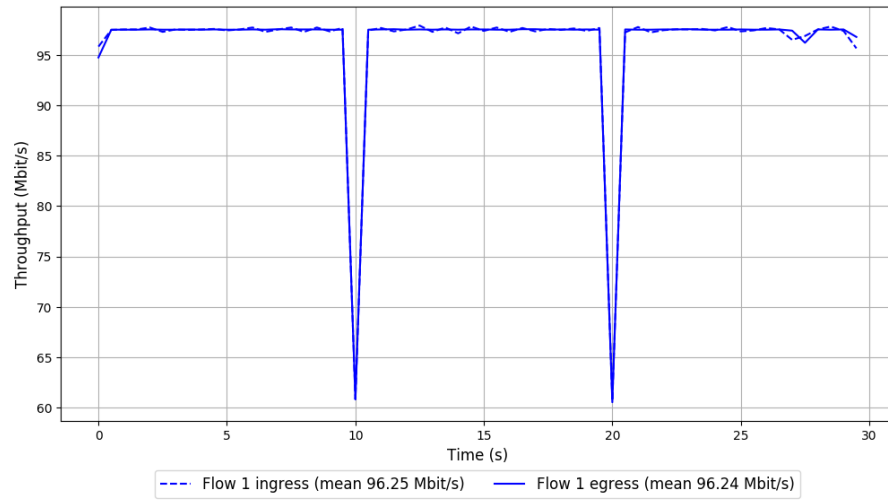


Run 5: Statistics of TCP BBR

Start at: 2018-02-27 15:58:33
End at: 2018-02-27 15:59:03
Local clock offset: -6.582 ms
Remote clock offset: -6.036 ms

Below is generated by plot.py at 2018-02-27 18:17:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.797 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-27 16:19:03

End at: 2018-02-27 16:19:33

Local clock offset: -6.376 ms

Remote clock offset: -6.251 ms

Below is generated by plot.py at 2018-02-27 18:17:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.38 Mbit/s

95th percentile per-packet one-way delay: 47.543 ms

Loss rate: 1.84%

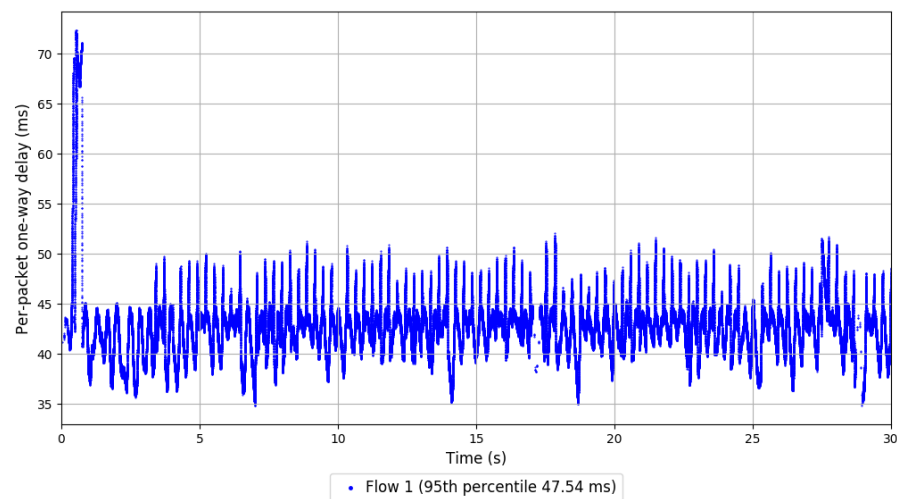
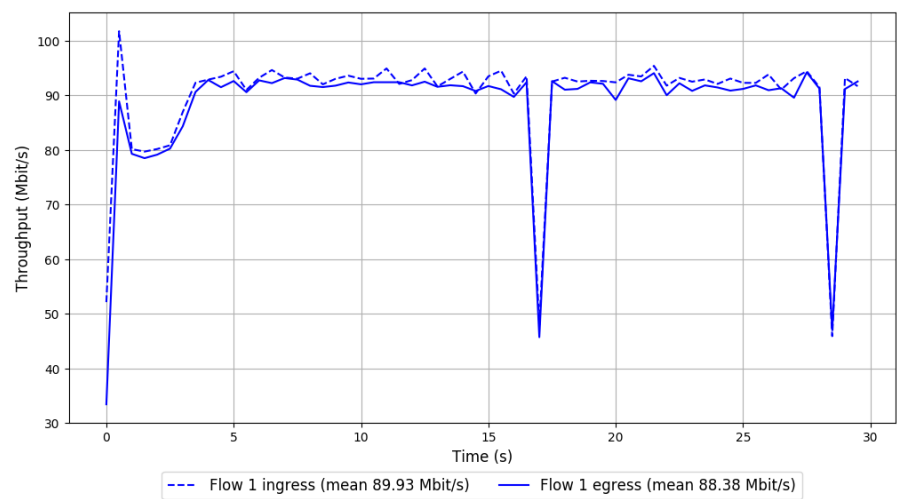
-- Flow 1:

Average throughput: 88.38 Mbit/s

95th percentile per-packet one-way delay: 47.543 ms

Loss rate: 1.84%

Run 6: Report of TCP BBR — Data Link

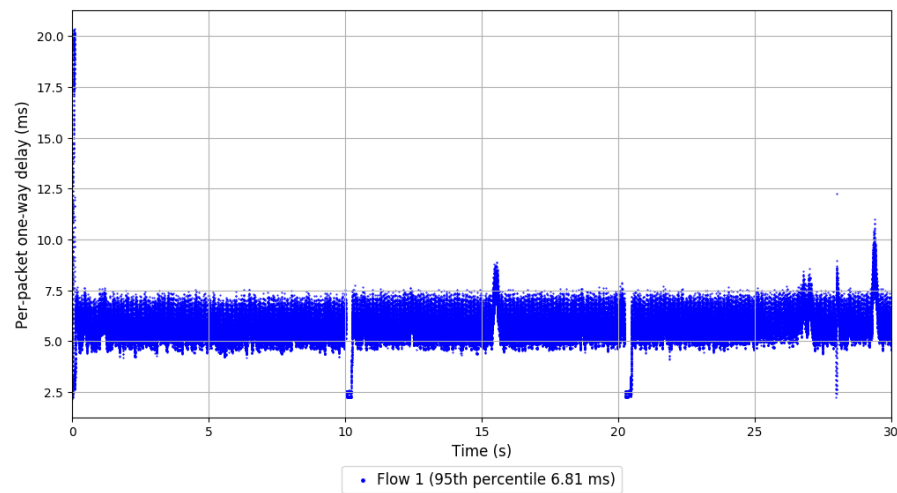
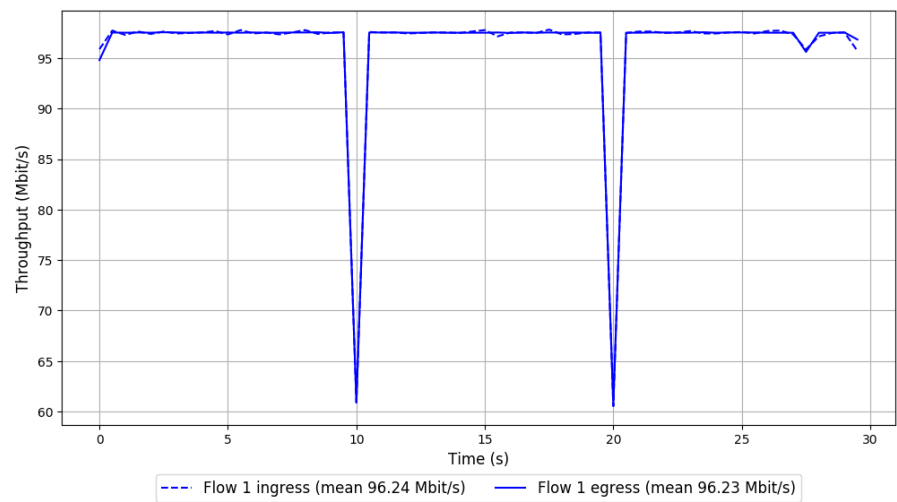


Run 7: Statistics of TCP BBR

Start at: 2018-02-27 16:39:21
End at: 2018-02-27 16:39:51
Local clock offset: -5.805 ms
Remote clock offset: -6.637 ms

Below is generated by plot.py at 2018-02-27 18:17:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 6.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 6.806 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

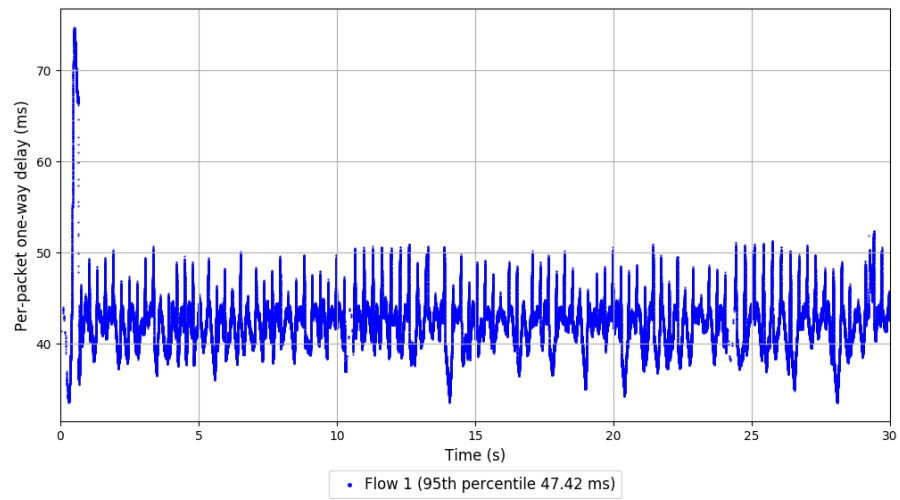
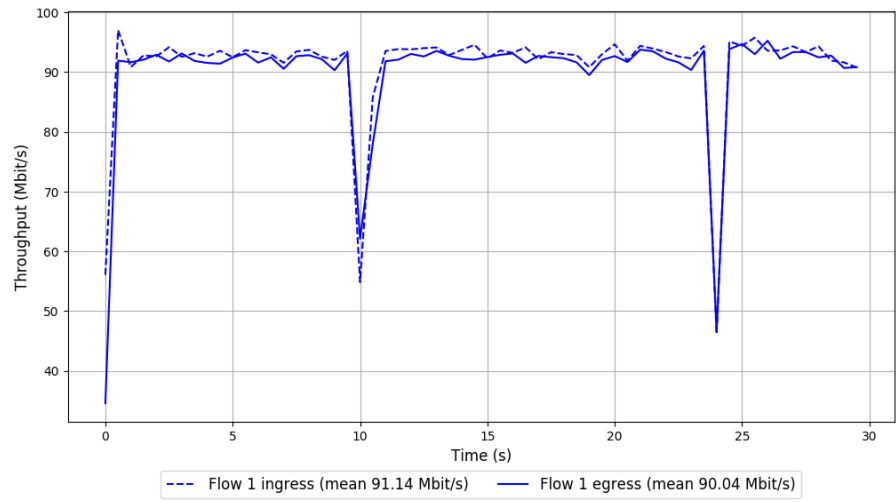


Run 8: Statistics of TCP BBR

Start at: 2018-02-27 16:59:45
End at: 2018-02-27 17:00:15
Local clock offset: -6.029 ms
Remote clock offset: -6.437 ms

Below is generated by plot.py at 2018-02-27 18:17:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.04 Mbit/s
95th percentile per-packet one-way delay: 47.416 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 90.04 Mbit/s
95th percentile per-packet one-way delay: 47.416 ms
Loss rate: 1.34%

Run 8: Report of TCP BBR — Data Link

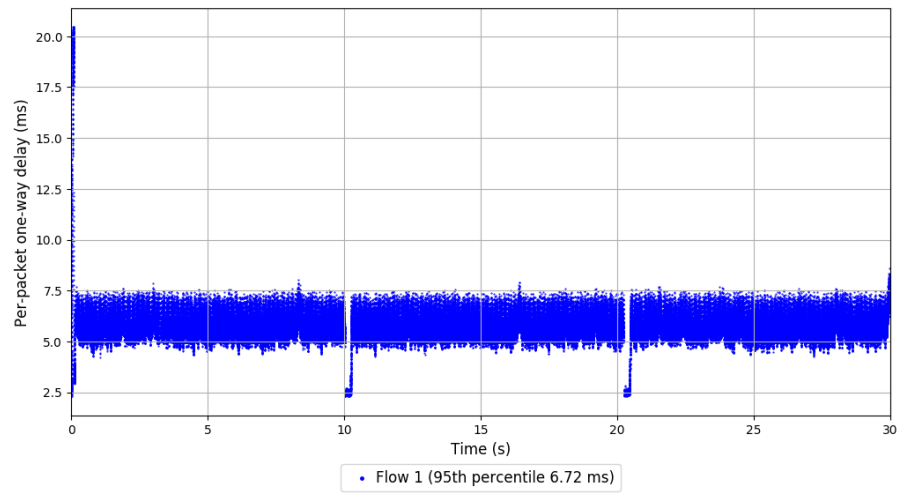
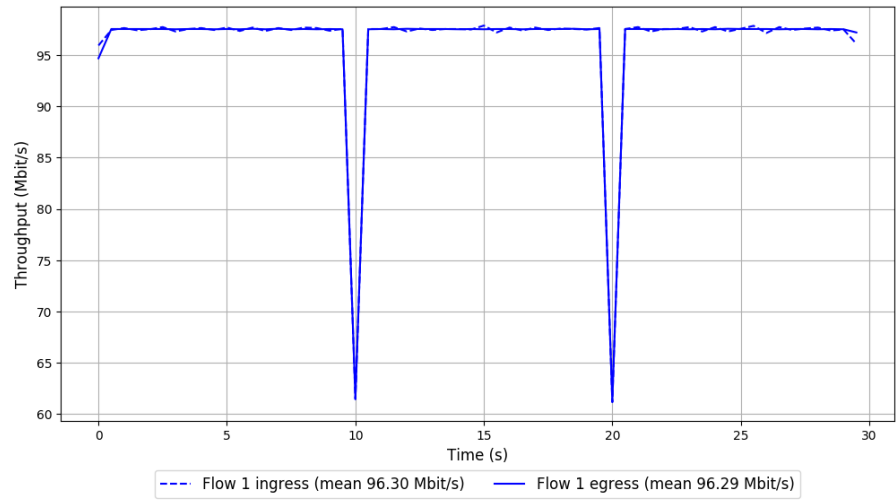


Run 9: Statistics of TCP BBR

Start at: 2018-02-27 17:20:07
End at: 2018-02-27 17:20:37
Local clock offset: -6.728 ms
Remote clock offset: -6.399 ms

Below is generated by plot.py at 2018-02-27 18:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 6.720 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 6.720 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

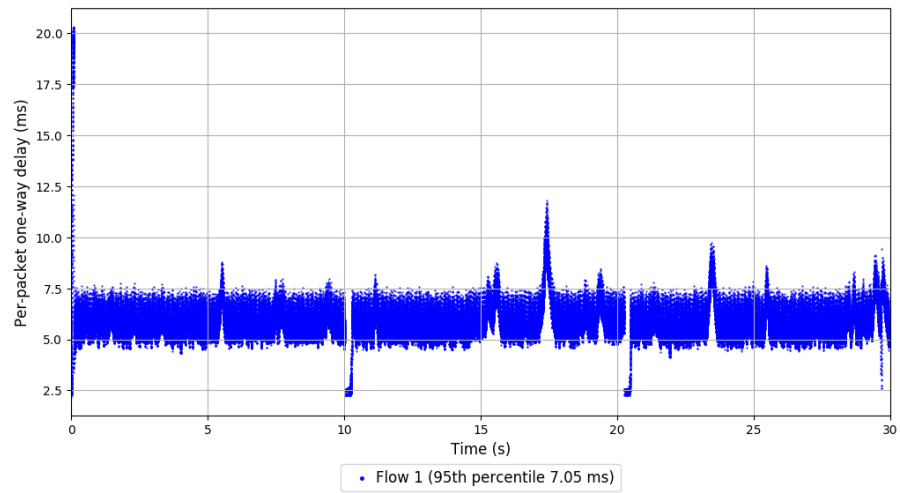
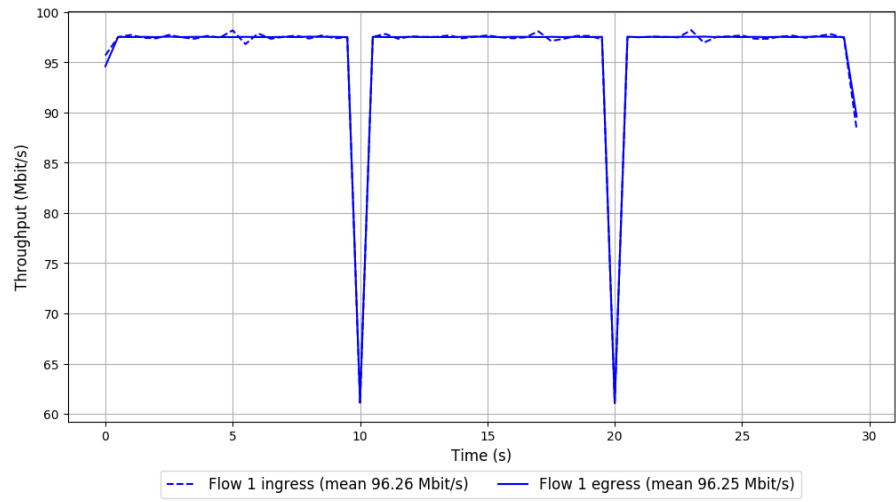


Run 10: Statistics of TCP BBR

Start at: 2018-02-27 17:40:17
End at: 2018-02-27 17:40:47
Local clock offset: -6.651 ms
Remote clock offset: -6.943 ms

Below is generated by plot.py at 2018-02-27 18:19:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 7.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 7.049 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-27 14:30:47

End at: 2018-02-27 14:31:17

Local clock offset: -6.278 ms

Remote clock offset: -6.75 ms

Below is generated by plot.py at 2018-02-27 18:19:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.726 ms

Loss rate: 0.01%

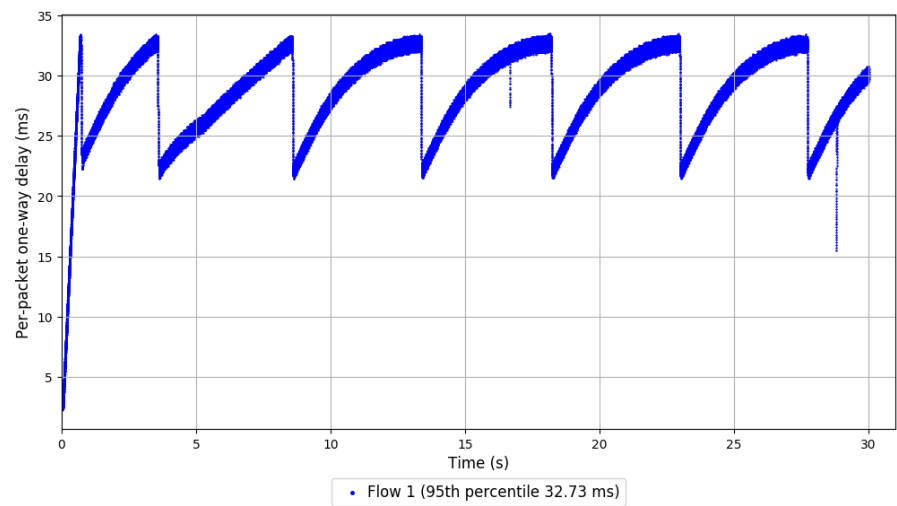
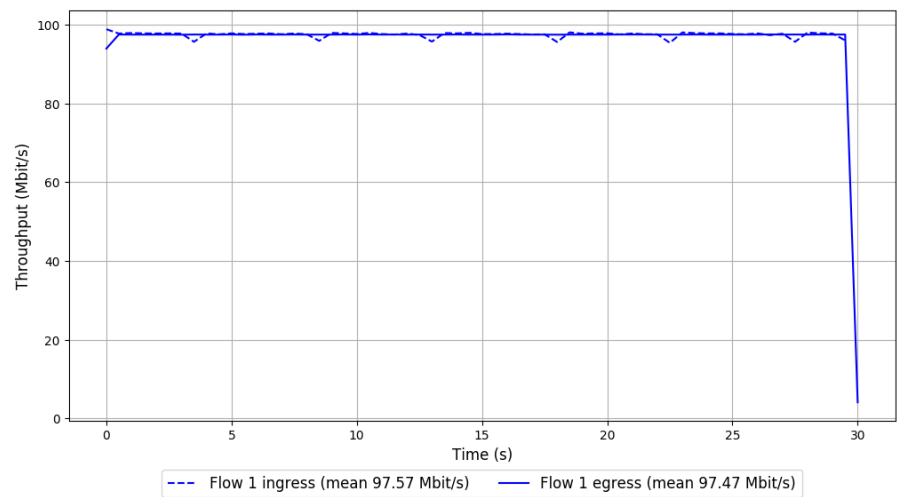
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.726 ms

Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-27 14:51:07

End at: 2018-02-27 14:51:37

Local clock offset: -3.655 ms

Remote clock offset: -7.27 ms

Below is generated by plot.py at 2018-02-27 18:19:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.764 ms

Loss rate: 0.01%

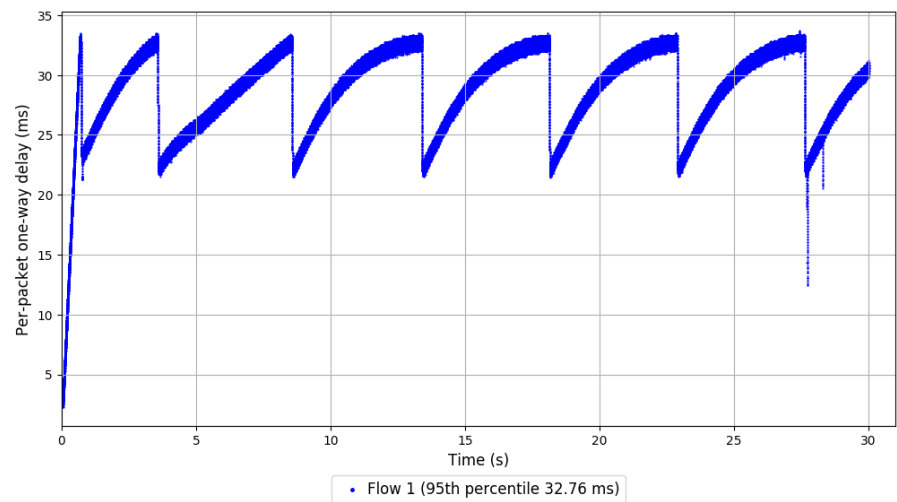
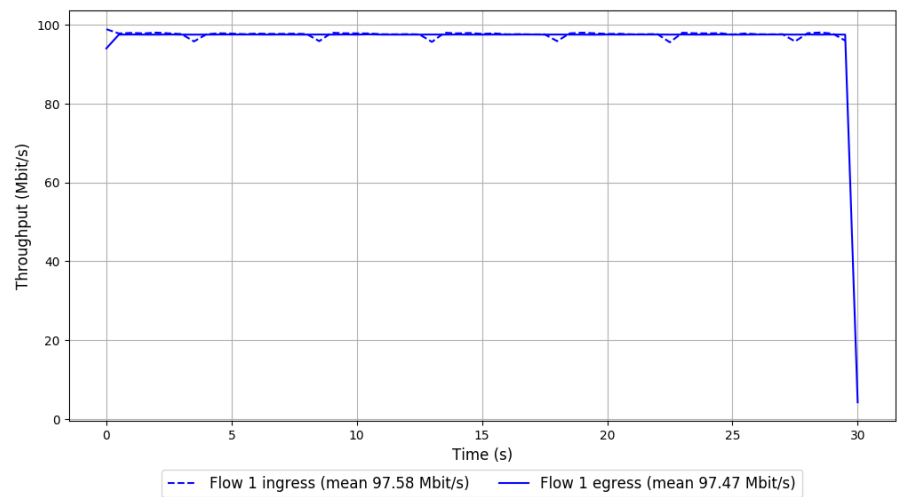
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.764 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

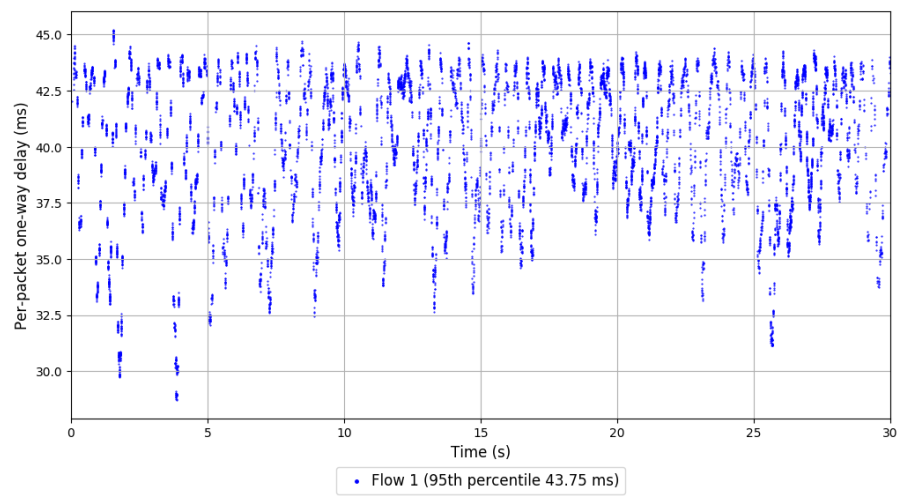
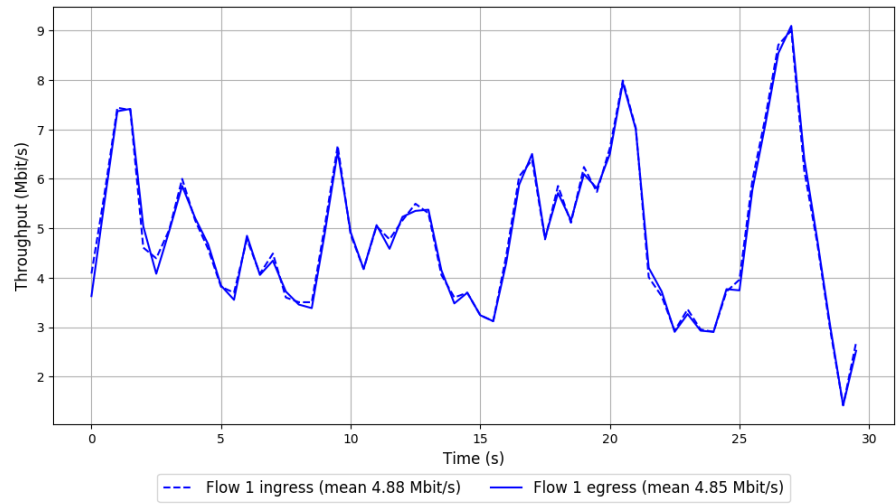


Run 3: Statistics of TCP Cubic

Start at: 2018-02-27 15:11:28
End at: 2018-02-27 15:11:58
Local clock offset: -1.919 ms
Remote clock offset: -7.004 ms

Below is generated by plot.py at 2018-02-27 18:19:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 43.750 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 43.750 ms
Loss rate: 0.68%

Run 3: Report of TCP Cubic — Data Link

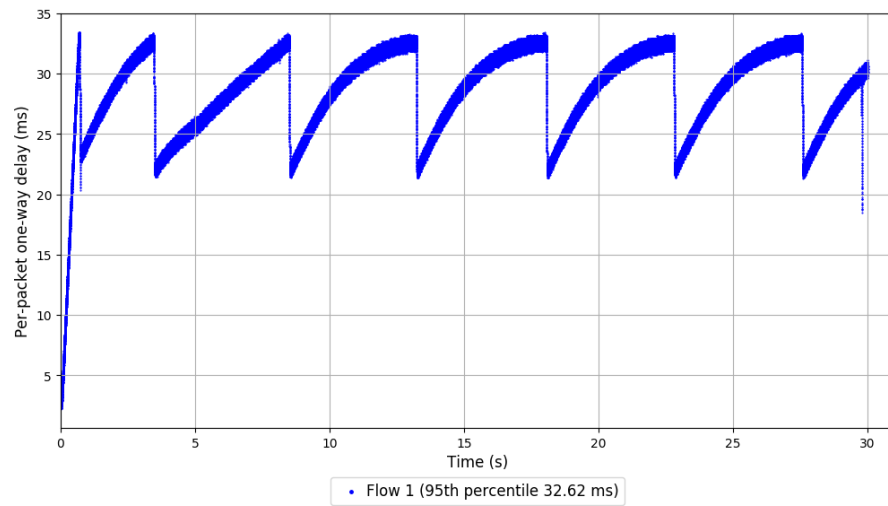
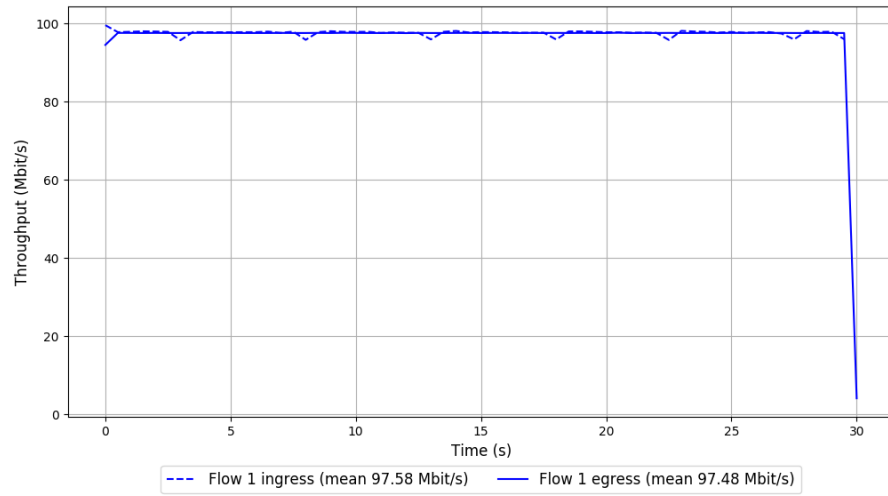


Run 4: Statistics of TCP Cubic

Start at: 2018-02-27 15:31:38
End at: 2018-02-27 15:32:08
Local clock offset: -6.293 ms
Remote clock offset: -6.358 ms

Below is generated by plot.py at 2018-02-27 18:19:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.622 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.622 ms
Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link

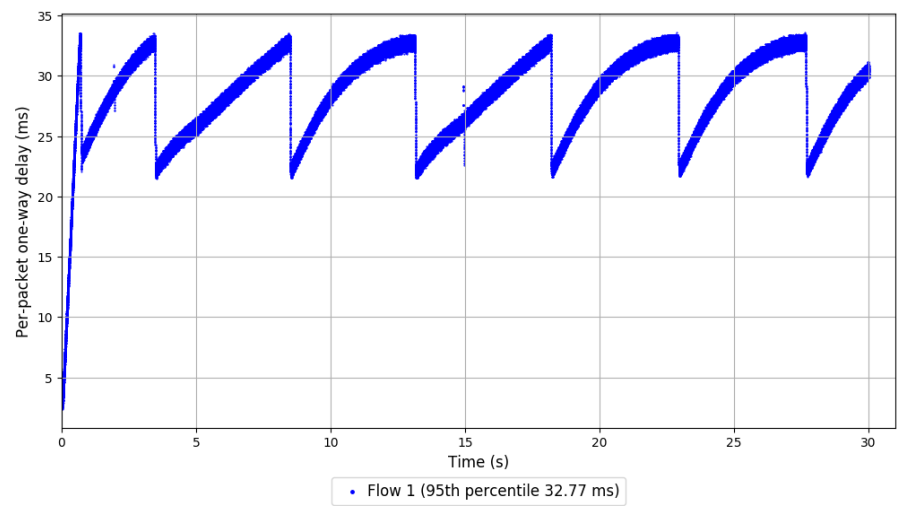
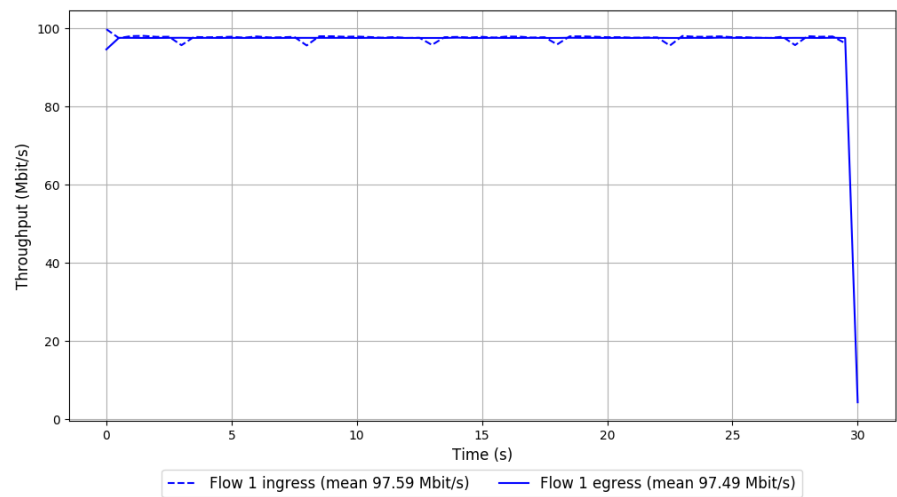


Run 5: Statistics of TCP Cubic

Start at: 2018-02-27 15:51:56
End at: 2018-02-27 15:52:26
Local clock offset: -7.247 ms
Remote clock offset: -6.099 ms

Below is generated by plot.py at 2018-02-27 18:19:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.767 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.767 ms
Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

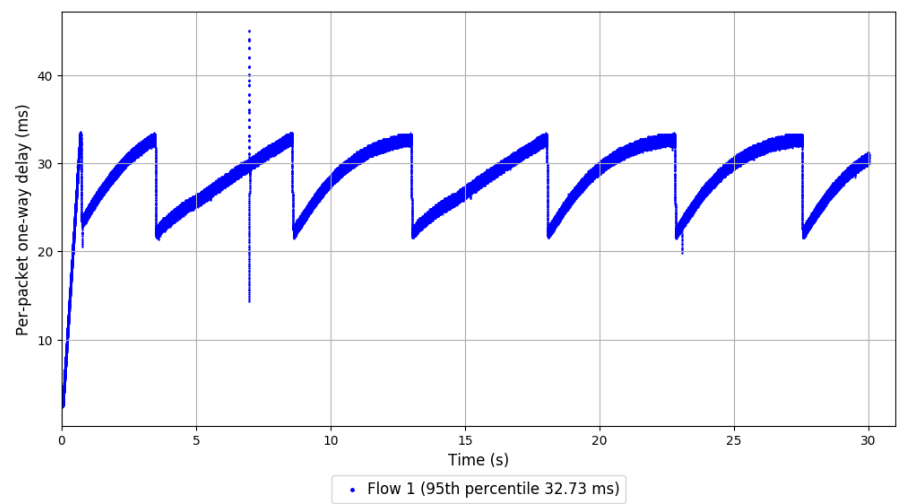
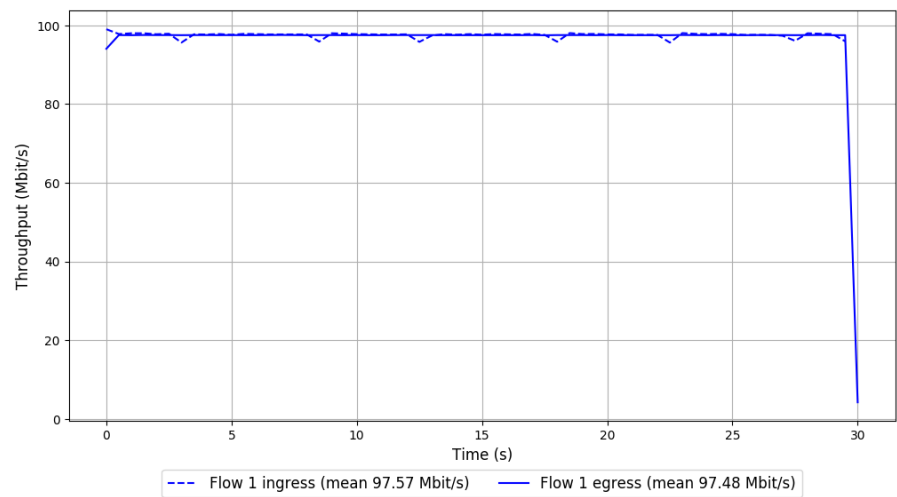


Run 6: Statistics of TCP Cubic

Start at: 2018-02-27 16:12:24
End at: 2018-02-27 16:12:54
Local clock offset: -6.355 ms
Remote clock offset: -5.886 ms

Below is generated by plot.py at 2018-02-27 18:19:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.733 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.733 ms
Loss rate: 0.01%

Run 6: Report of TCP Cubic — Data Link

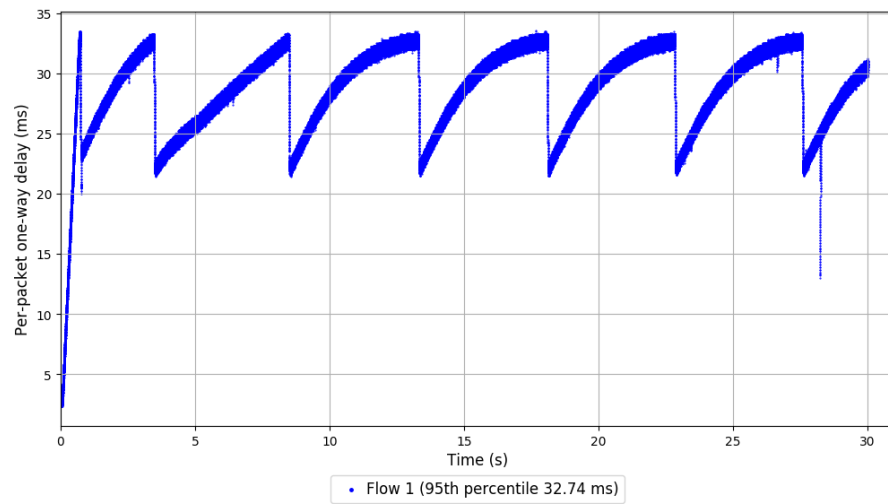
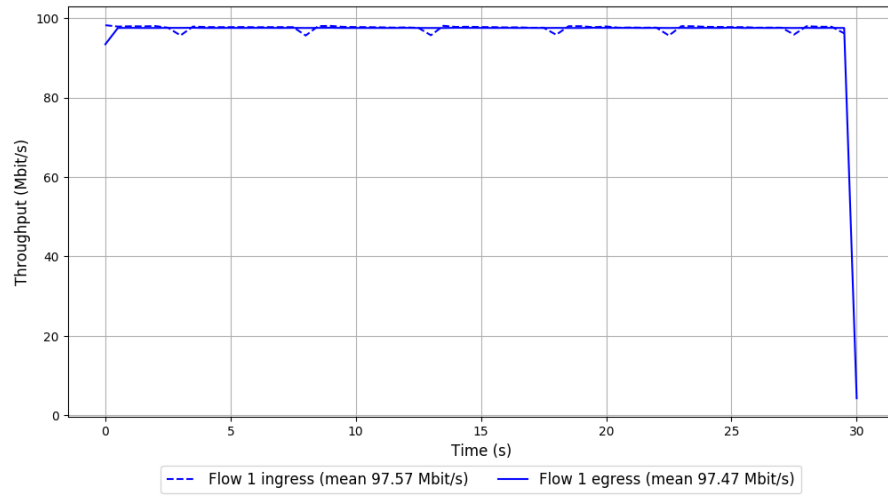


Run 7: Statistics of TCP Cubic

Start at: 2018-02-27 16:32:43
End at: 2018-02-27 16:33:13
Local clock offset: -5.924 ms
Remote clock offset: -6.601 ms

Below is generated by plot.py at 2018-02-27 18:19:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.741 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.741 ms
Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link

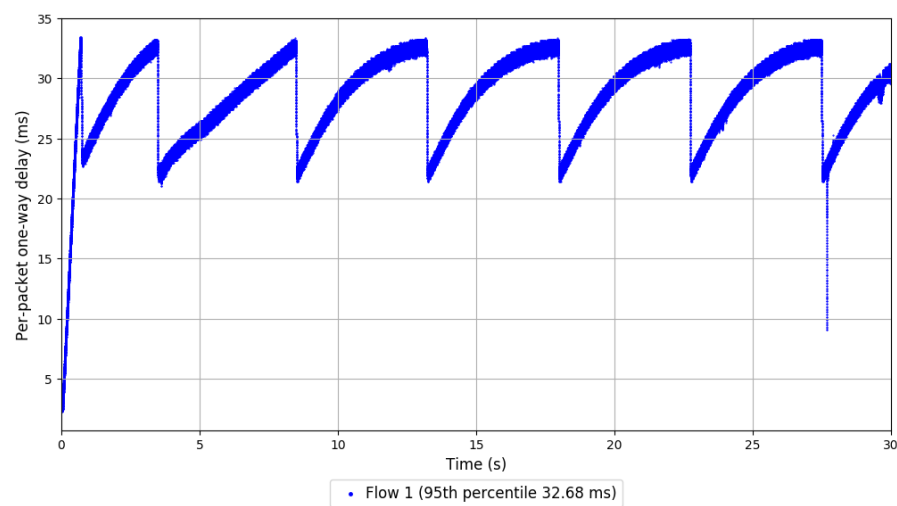
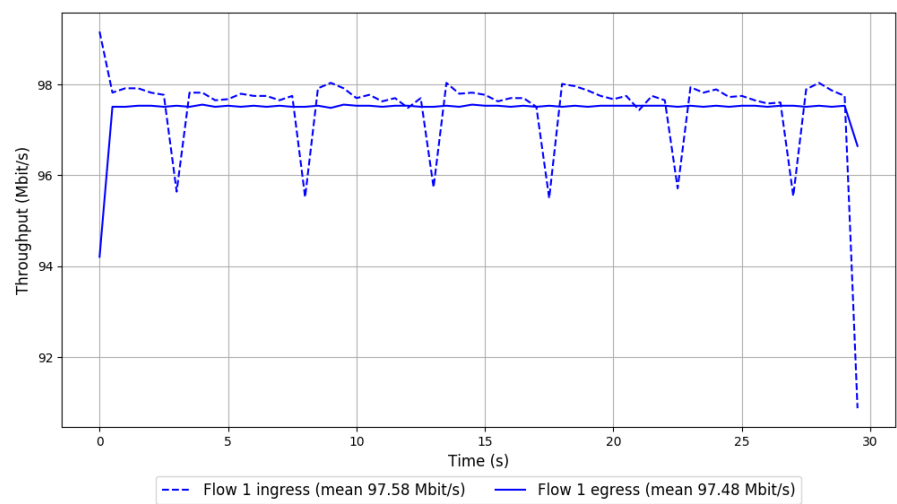


Run 8: Statistics of TCP Cubic

Start at: 2018-02-27 16:53:07
End at: 2018-02-27 16:53:37
Local clock offset: -5.858 ms
Remote clock offset: -6.461 ms

Below is generated by plot.py at 2018-02-27 18:20:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.684 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.684 ms
Loss rate: 0.01%

Run 8: Report of TCP Cubic — Data Link

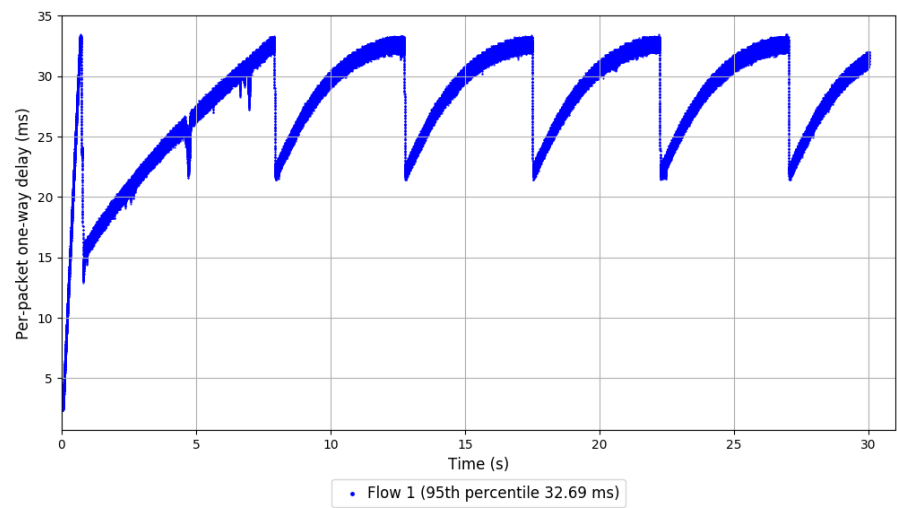
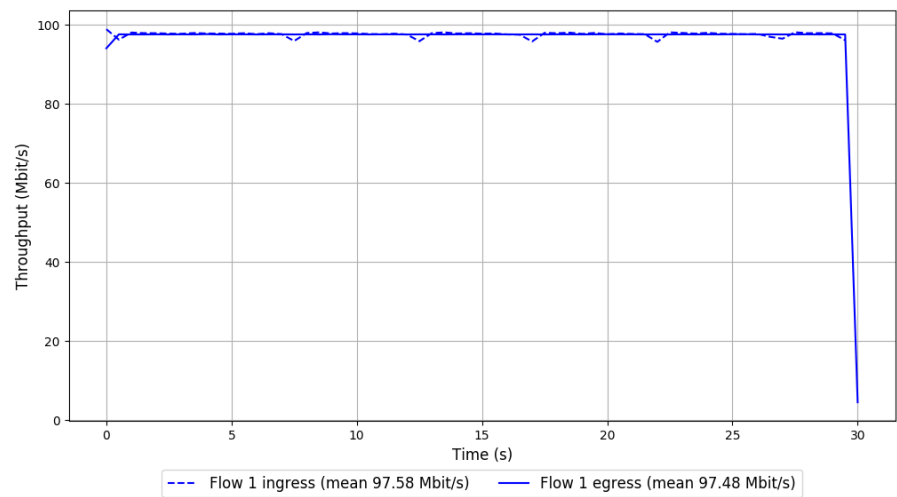


Run 9: Statistics of TCP Cubic

Start at: 2018-02-27 17:13:28
End at: 2018-02-27 17:13:58
Local clock offset: -6.556 ms
Remote clock offset: -6.394 ms

Below is generated by plot.py at 2018-02-27 18:20:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-27 17:33:40

End at: 2018-02-27 17:34:10

Local clock offset: -6.833 ms

Remote clock offset: -6.714 ms

Below is generated by plot.py at 2018-02-27 18:20:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.691 ms

Loss rate: 0.01%

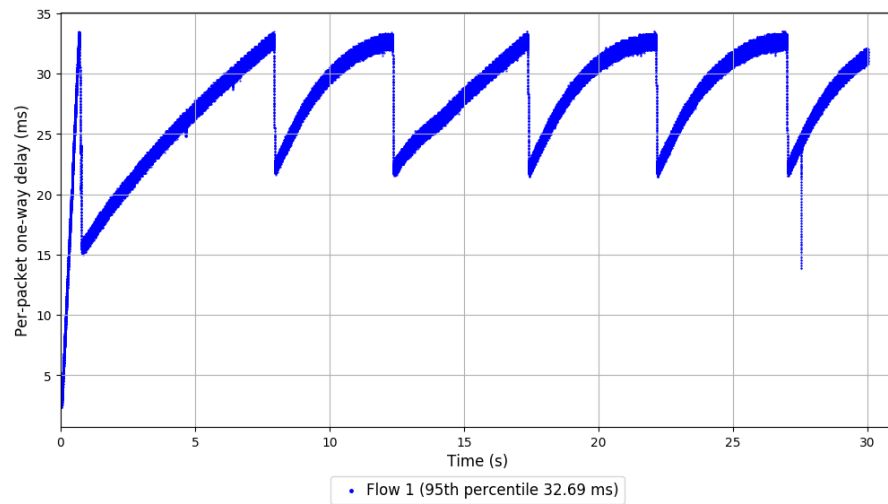
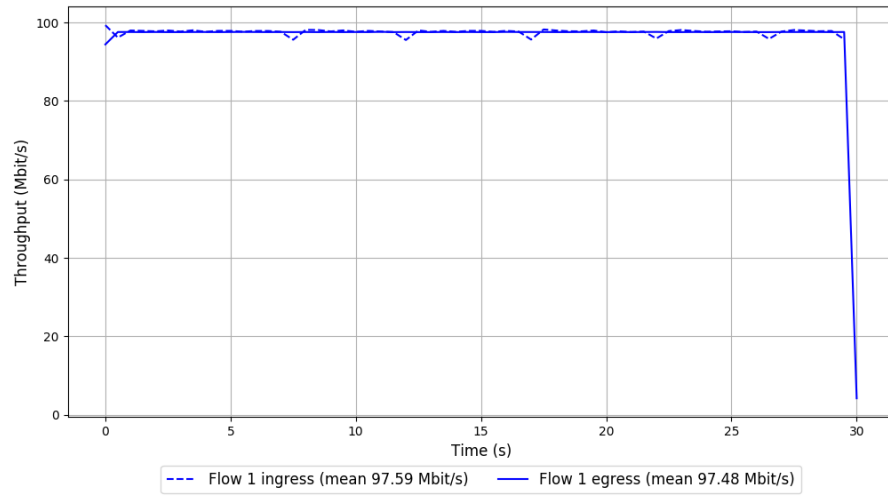
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.691 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

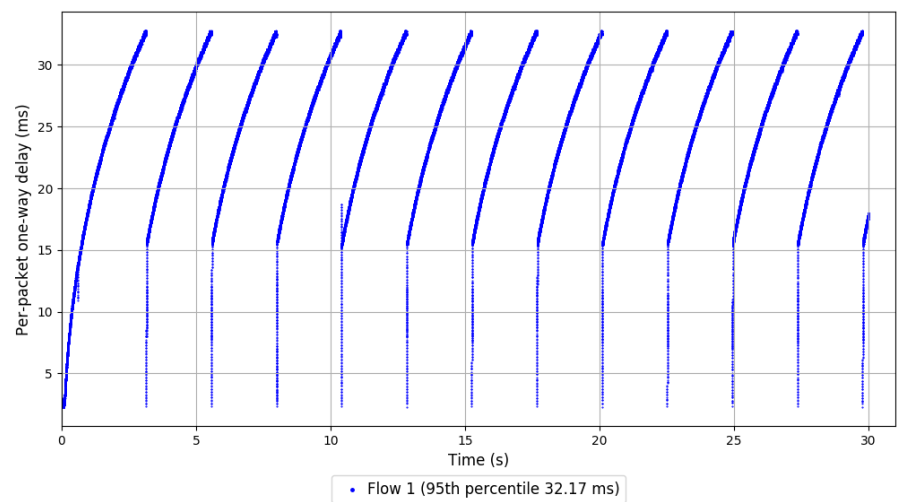
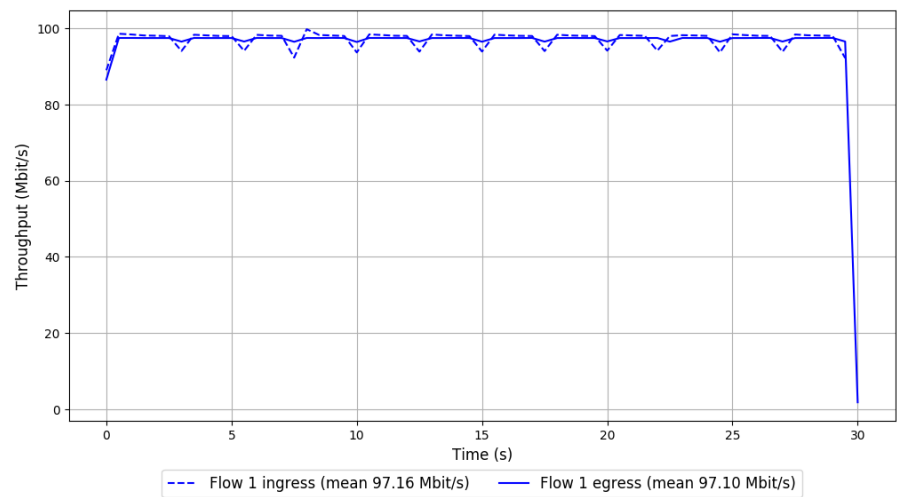


Run 1: Statistics of LEDBAT

Start at: 2018-02-27 14:39:37
End at: 2018-02-27 14:40:07
Local clock offset: -6.342 ms
Remote clock offset: -6.917 ms

Below is generated by plot.py at 2018-02-27 18:20:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.167 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.167 ms
Loss rate: 0.01%

Run 1: Report of LEDBAT — Data Link

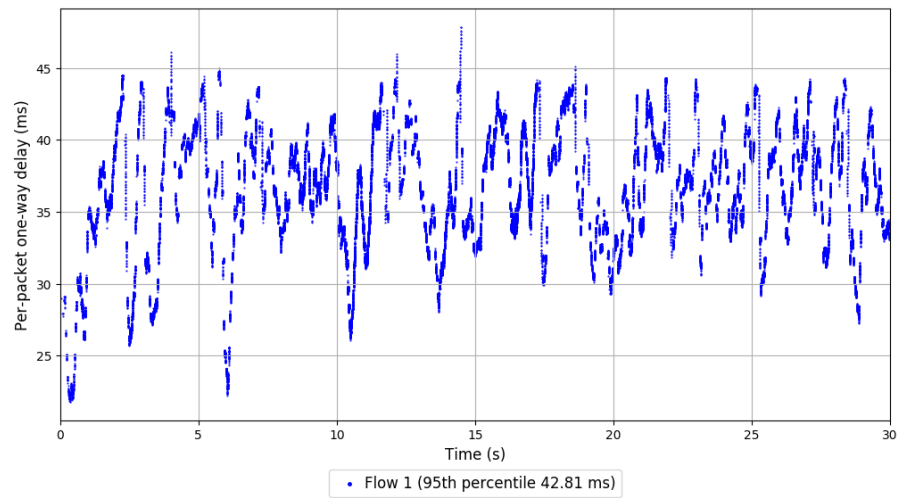
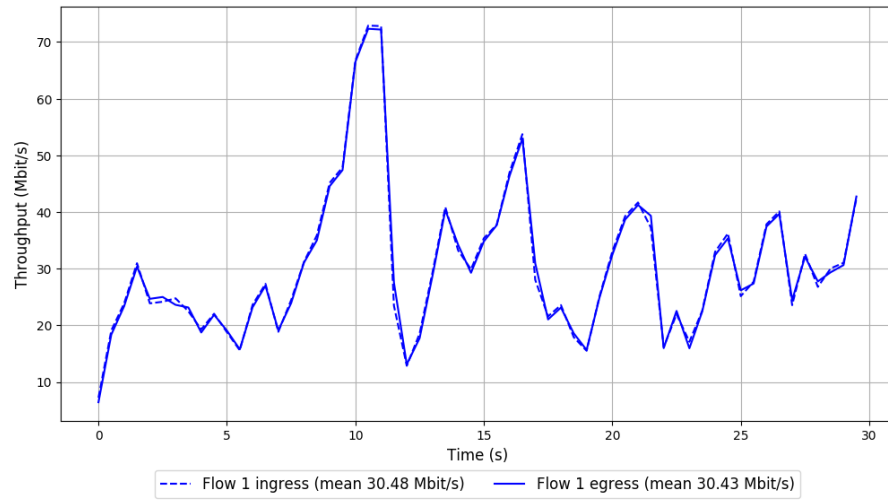


Run 2: Statistics of LEDBAT

Start at: 2018-02-27 15:00:01
End at: 2018-02-27 15:00:31
Local clock offset: -2.659 ms
Remote clock offset: -7.406 ms

Below is generated by plot.py at 2018-02-27 18:20:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 42.808 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 42.808 ms
Loss rate: 0.24%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-27 15:20:15

End at: 2018-02-27 15:20:45

Local clock offset: -4.078 ms

Remote clock offset: -6.6 ms

Below is generated by plot.py at 2018-02-27 18:20:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 32.034 ms

Loss rate: 0.01%

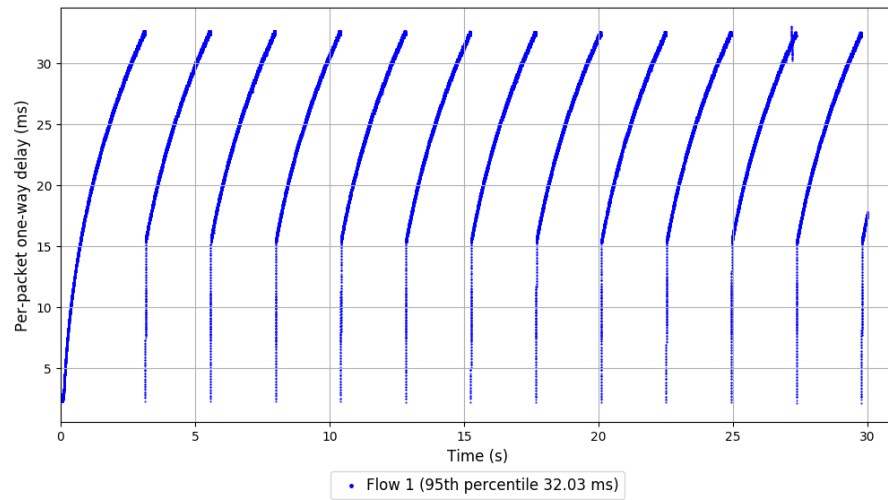
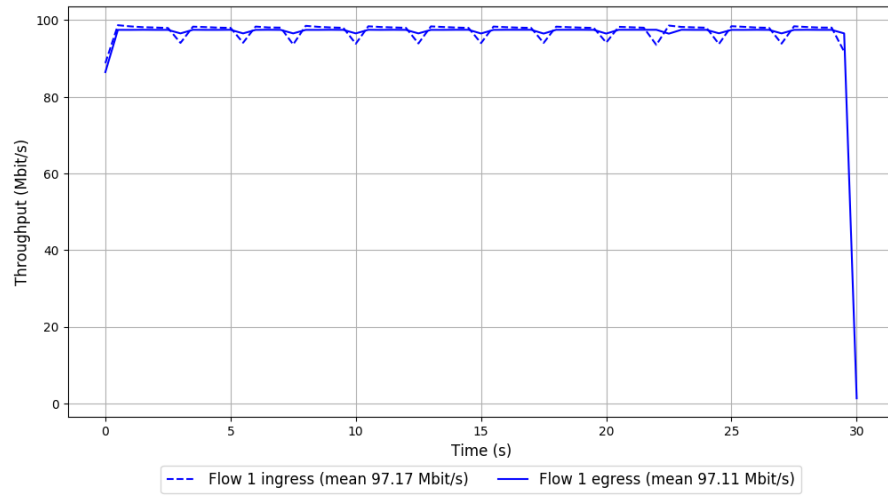
-- Flow 1:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 32.034 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-27 15:40:32

End at: 2018-02-27 15:41:02

Local clock offset: -7.152 ms

Remote clock offset: -6.34 ms

Below is generated by plot.py at 2018-02-27 18:20:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 32.026 ms

Loss rate: 0.01%

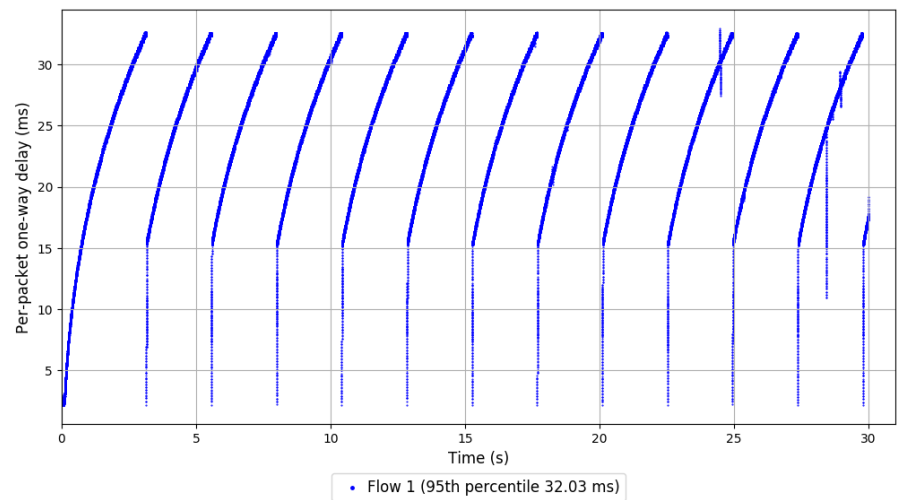
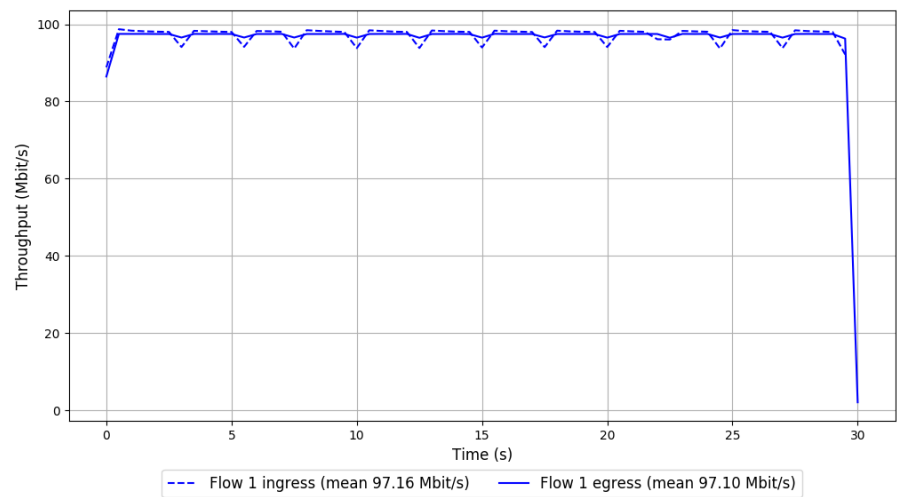
-- Flow 1:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 32.026 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link

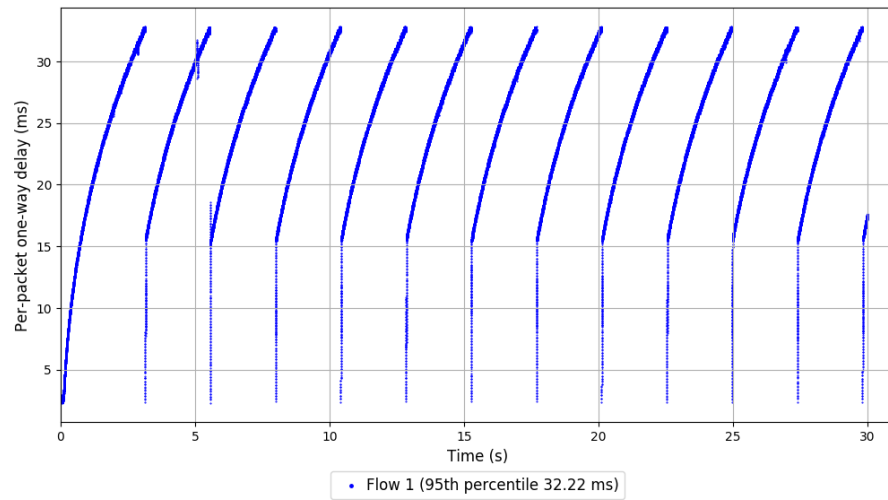
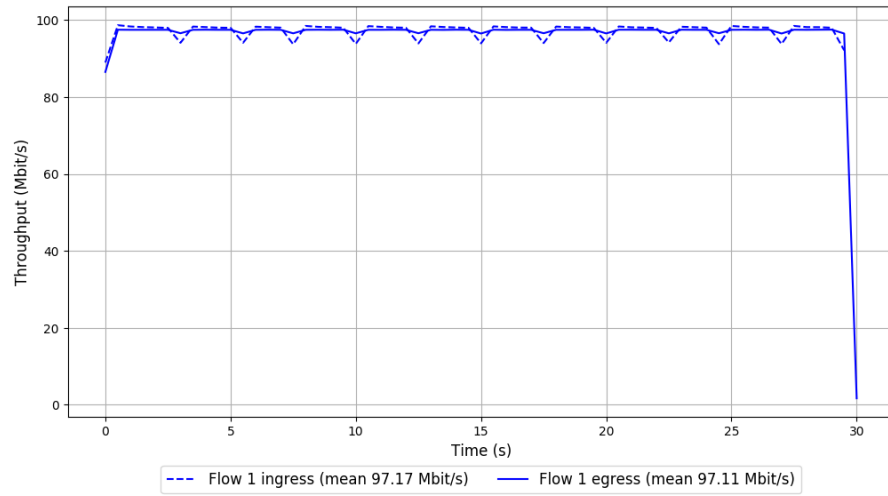


Run 5: Statistics of LEDBAT

Start at: 2018-02-27 16:00:49
End at: 2018-02-27 16:01:19
Local clock offset: -6.433 ms
Remote clock offset: -5.991 ms

Below is generated by plot.py at 2018-02-27 18:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.224 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.224 ms
Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

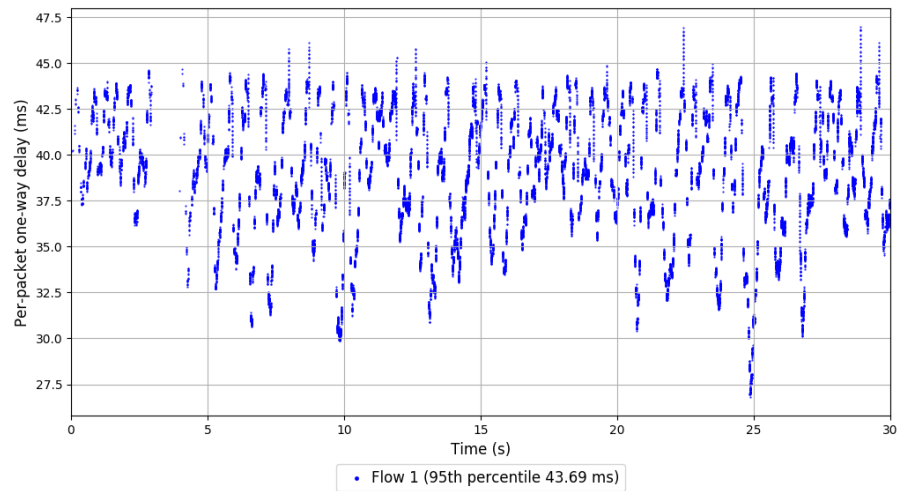
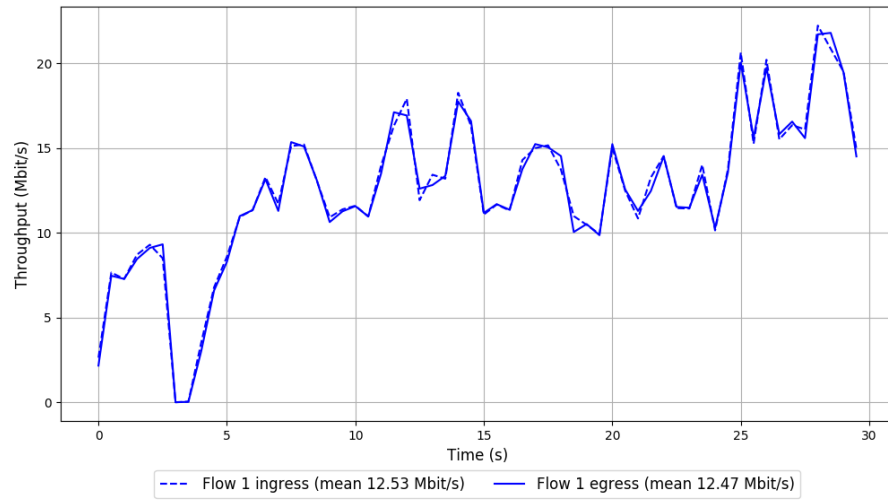


Run 6: Statistics of LEDBAT

Start at: 2018-02-27 16:21:18
End at: 2018-02-27 16:21:48
Local clock offset: -6.415 ms
Remote clock offset: -6.335 ms

Below is generated by plot.py at 2018-02-27 18:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 43.690 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 43.690 ms
Loss rate: 0.60%

Run 6: Report of LEDBAT — Data Link

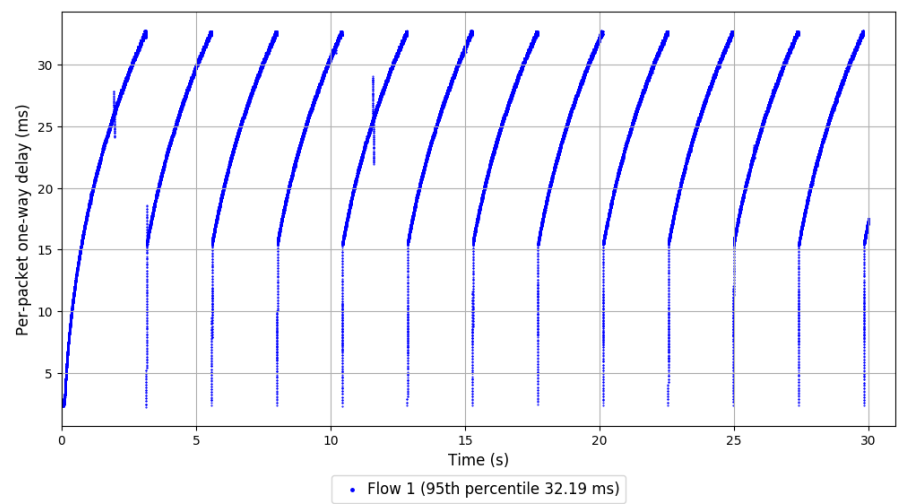
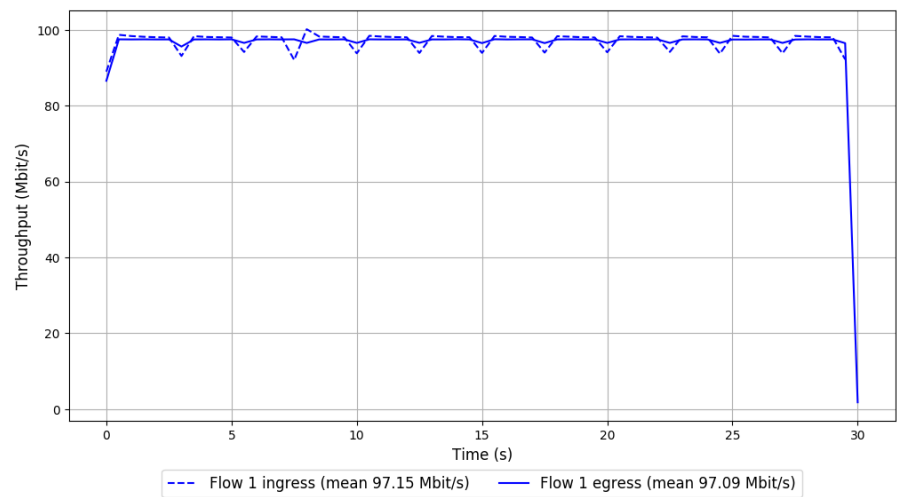


Run 7: Statistics of LEDBAT

Start at: 2018-02-27 16:41:37
End at: 2018-02-27 16:42:07
Local clock offset: -5.822 ms
Remote clock offset: -6.562 ms

Below is generated by plot.py at 2018-02-27 18:21:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.187 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.187 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

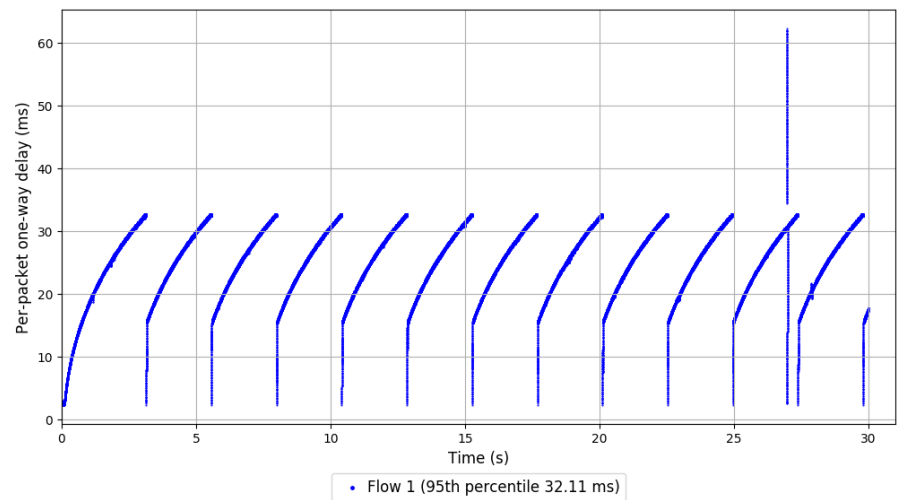
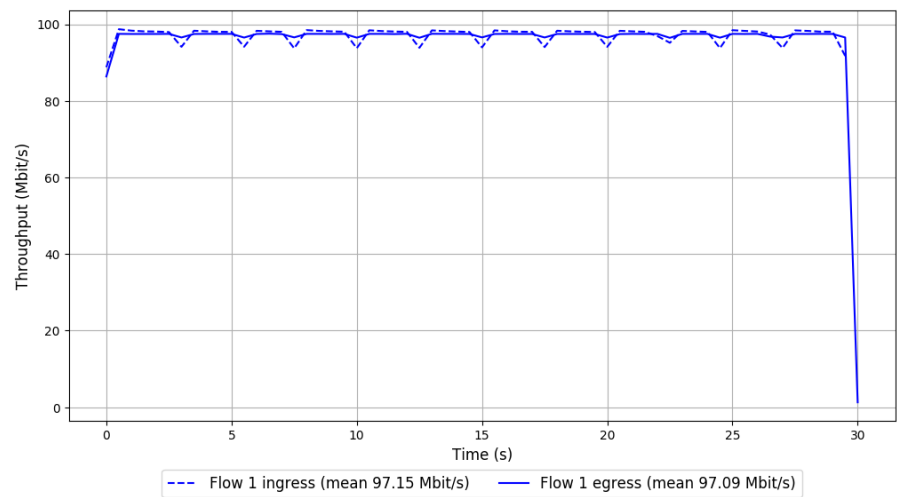


Run 8: Statistics of LEDBAT

Start at: 2018-02-27 17:02:00
End at: 2018-02-27 17:02:30
Local clock offset: -6.129 ms
Remote clock offset: -6.376 ms

Below is generated by plot.py at 2018-02-27 18:21:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.108 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.108 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-27 17:22:19

End at: 2018-02-27 17:22:49

Local clock offset: -6.743 ms

Remote clock offset: -6.39 ms

Below is generated by plot.py at 2018-02-27 18:21:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 32.183 ms

Loss rate: 0.01%

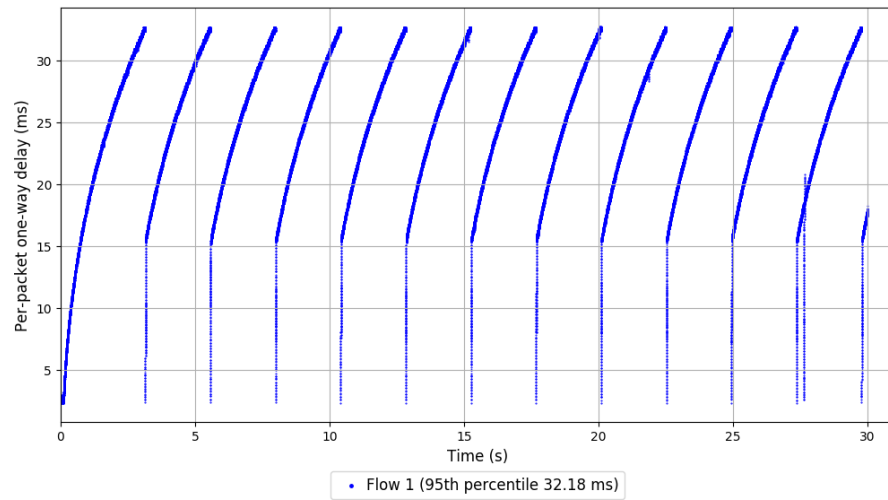
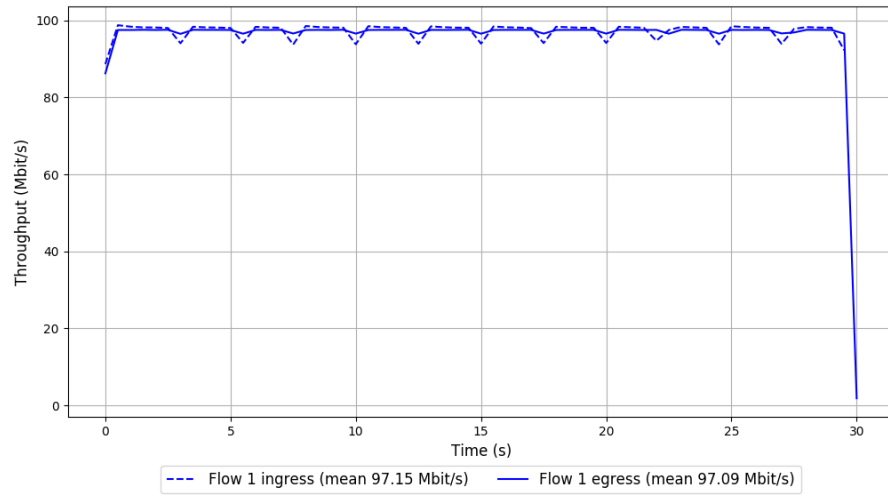
-- Flow 1:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 32.183 ms

Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-27 17:42:33

End at: 2018-02-27 17:43:03

Local clock offset: -6.64 ms

Remote clock offset: -6.985 ms

Below is generated by plot.py at 2018-02-27 18:22:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 31.948 ms

Loss rate: 0.01%

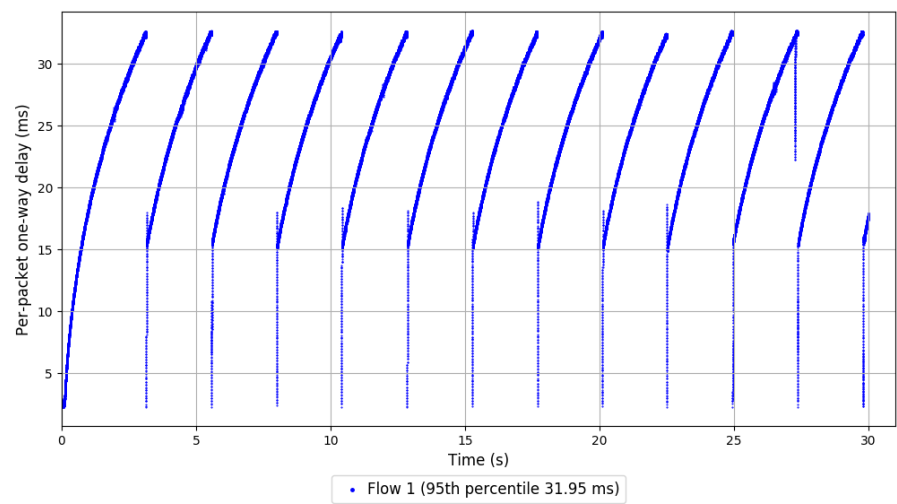
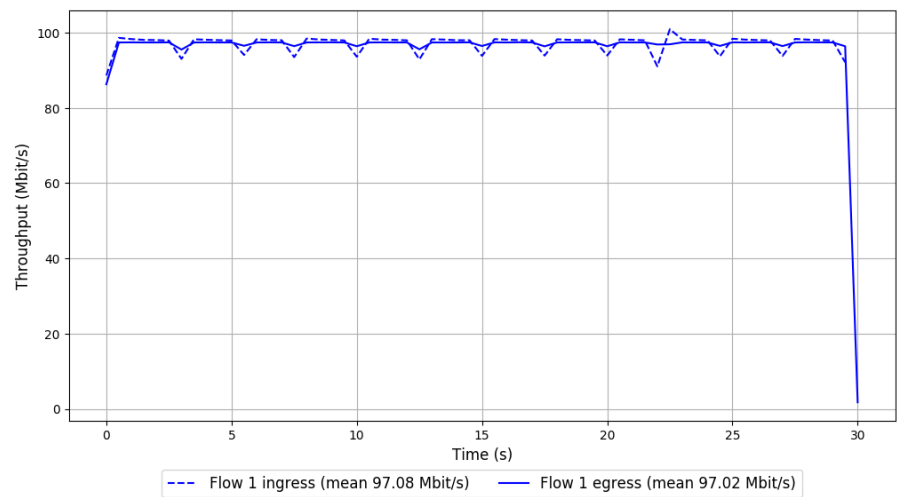
-- Flow 1:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 31.948 ms

Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link

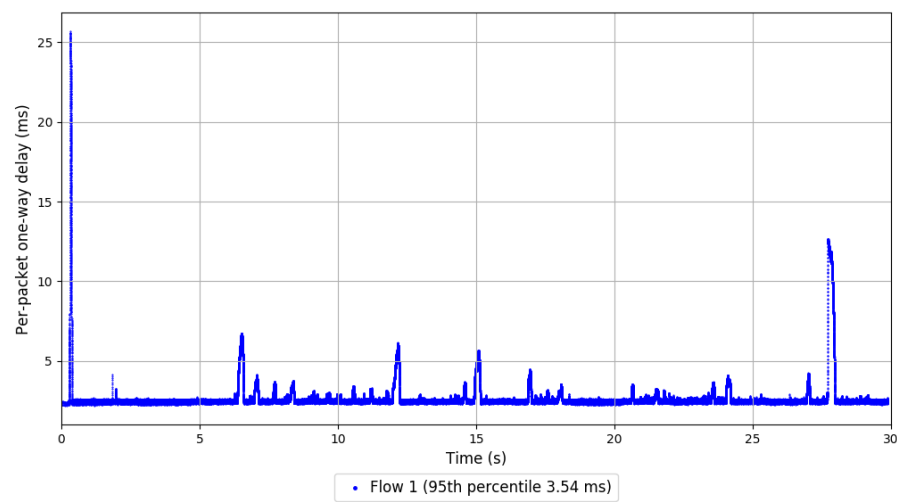
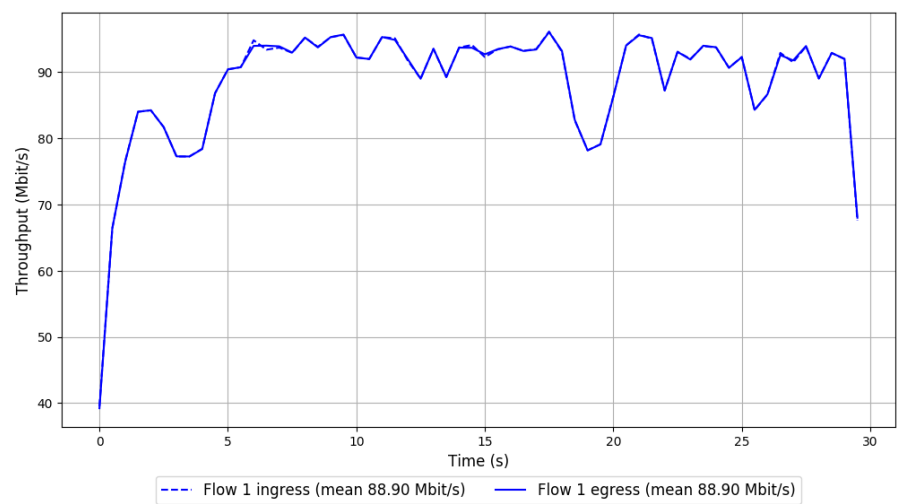


Run 1: Statistics of PCC

Start at: 2018-02-27 14:27:24
End at: 2018-02-27 14:27:54
Local clock offset: -6.263 ms
Remote clock offset: -6.759 ms

Below is generated by plot.py at 2018-02-27 18:22:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 3.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 3.541 ms
Loss rate: 0.00%

Run 1: Report of PCC — Data Link

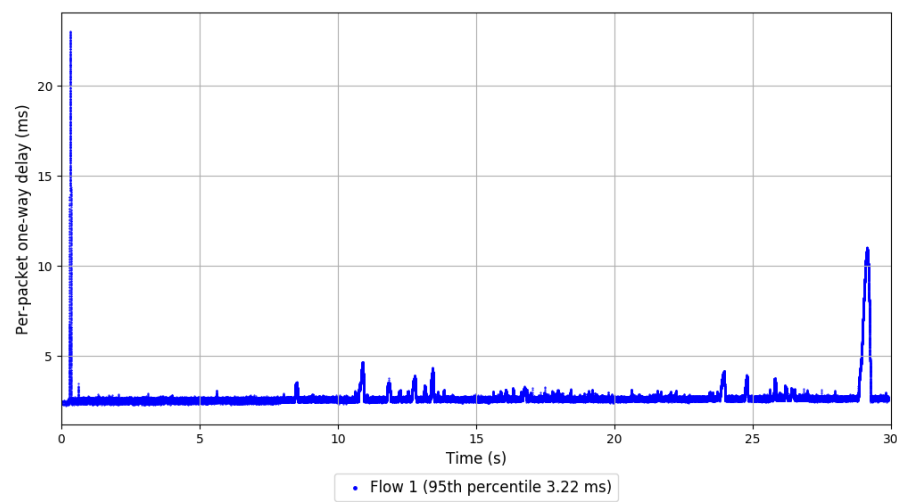
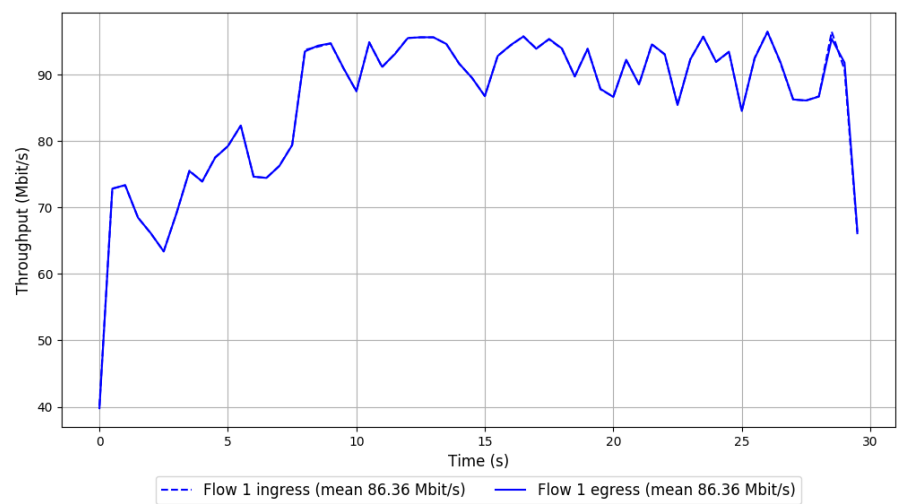


Run 2: Statistics of PCC

Start at: 2018-02-27 14:47:44
End at: 2018-02-27 14:48:14
Local clock offset: -4.305 ms
Remote clock offset: -7.165 ms

Below is generated by plot.py at 2018-02-27 18:22:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 3.218 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 3.218 ms
Loss rate: 0.00%

Run 2: Report of PCC — Data Link

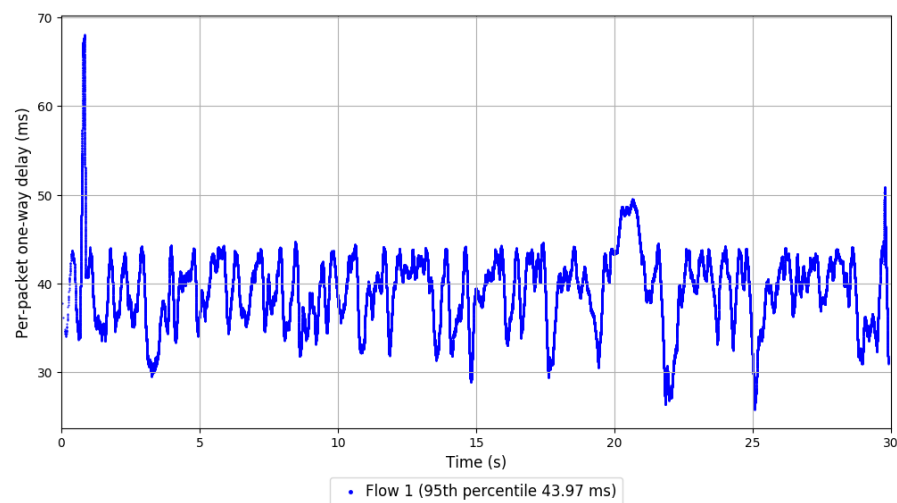
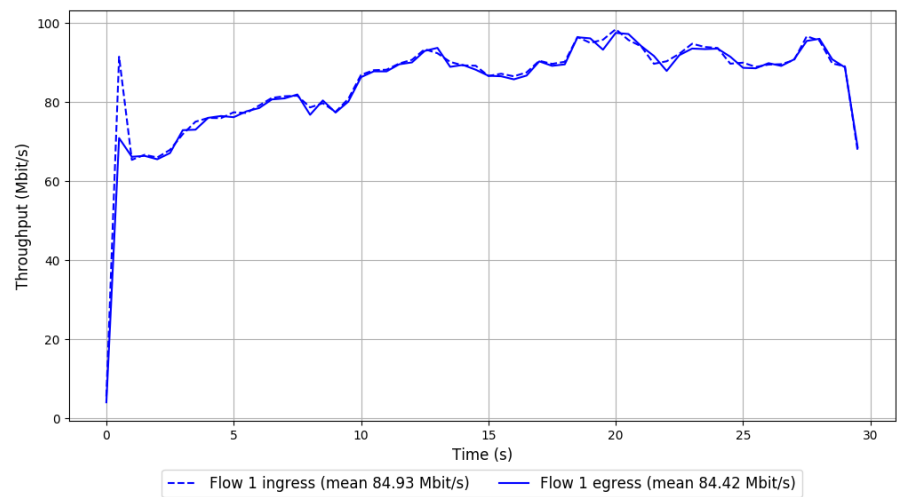


Run 3: Statistics of PCC

Start at: 2018-02-27 15:08:05
End at: 2018-02-27 15:08:35
Local clock offset: -2.183 ms
Remote clock offset: -7.333 ms

Below is generated by plot.py at 2018-02-27 18:22:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.42 Mbit/s
95th percentile per-packet one-way delay: 43.970 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 84.42 Mbit/s
95th percentile per-packet one-way delay: 43.970 ms
Loss rate: 0.72%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-27 15:28:17

End at: 2018-02-27 15:28:47

Local clock offset: -5.8 ms

Remote clock offset: -6.46 ms

Below is generated by plot.py at 2018-02-27 18:22:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 43.329 ms

Loss rate: 1.84%

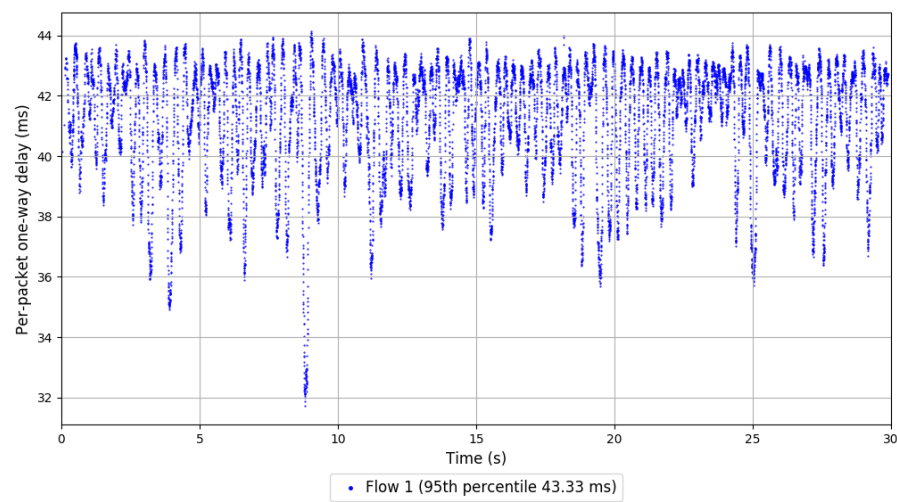
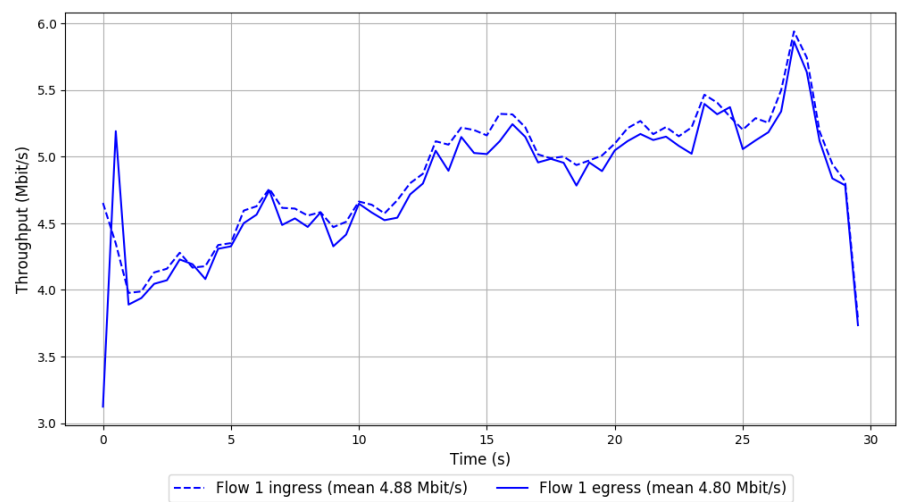
-- Flow 1:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 43.329 ms

Loss rate: 1.84%

Run 4: Report of PCC — Data Link

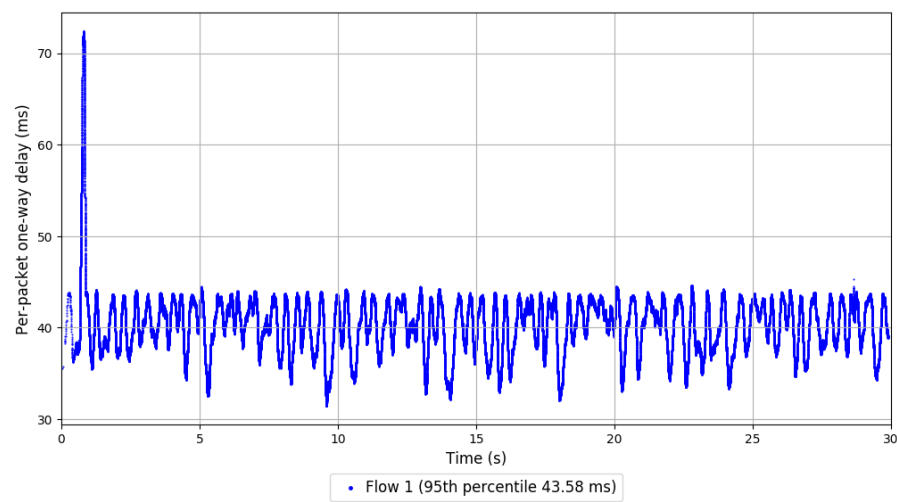
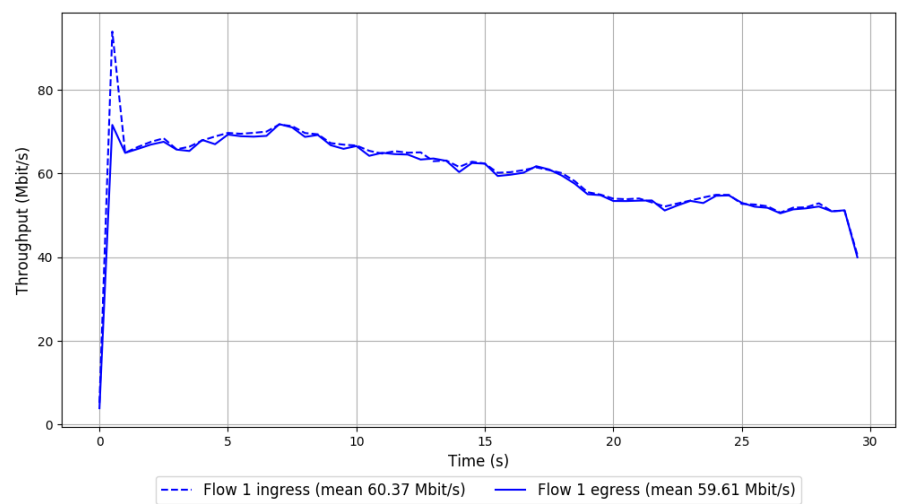


Run 5: Statistics of PCC

Start at: 2018-02-27 15:48:33
End at: 2018-02-27 15:49:03
Local clock offset: -7.711 ms
Remote clock offset: -6.199 ms

Below is generated by plot.py at 2018-02-27 18:22:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 43.579 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 43.579 ms
Loss rate: 1.37%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-27 16:09:00

End at: 2018-02-27 16:09:30

Local clock offset: -6.308 ms

Remote clock offset: -5.93 ms

Below is generated by plot.py at 2018-02-27 18:22:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.97 Mbit/s

95th percentile per-packet one-way delay: 3.730 ms

Loss rate: 0.00%

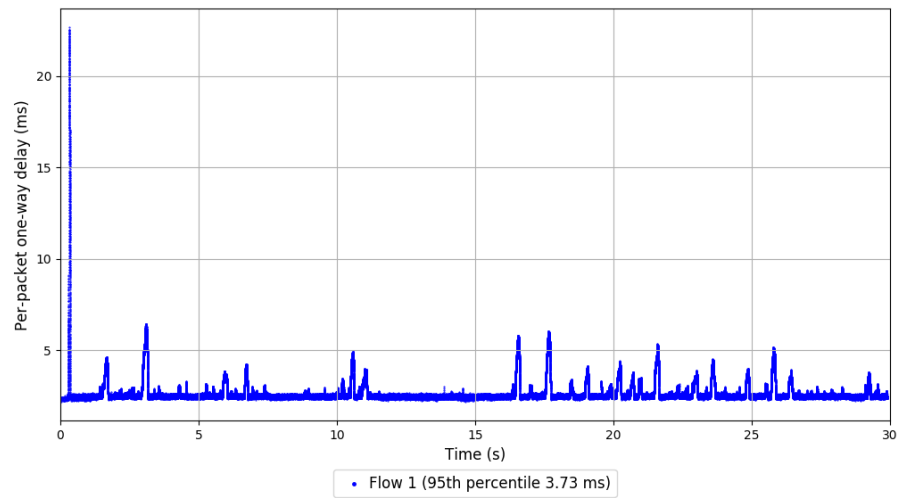
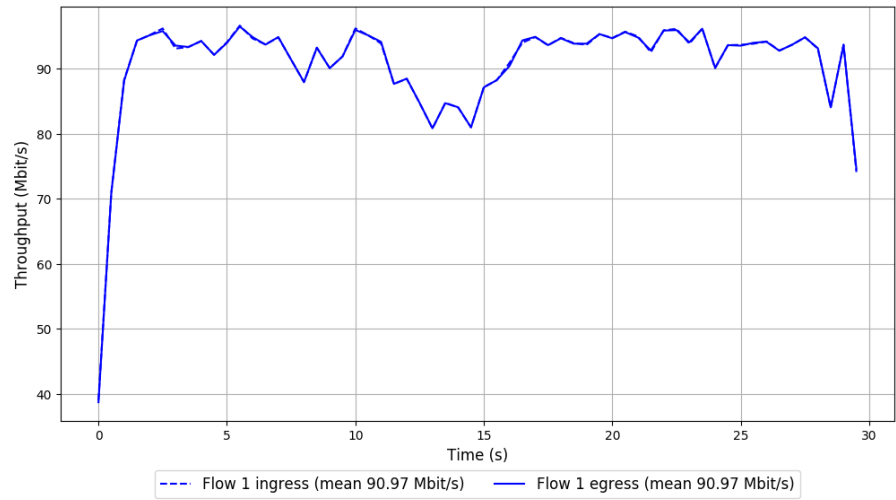
-- Flow 1:

Average throughput: 90.97 Mbit/s

95th percentile per-packet one-way delay: 3.730 ms

Loss rate: 0.00%

Run 6: Report of PCC — Data Link

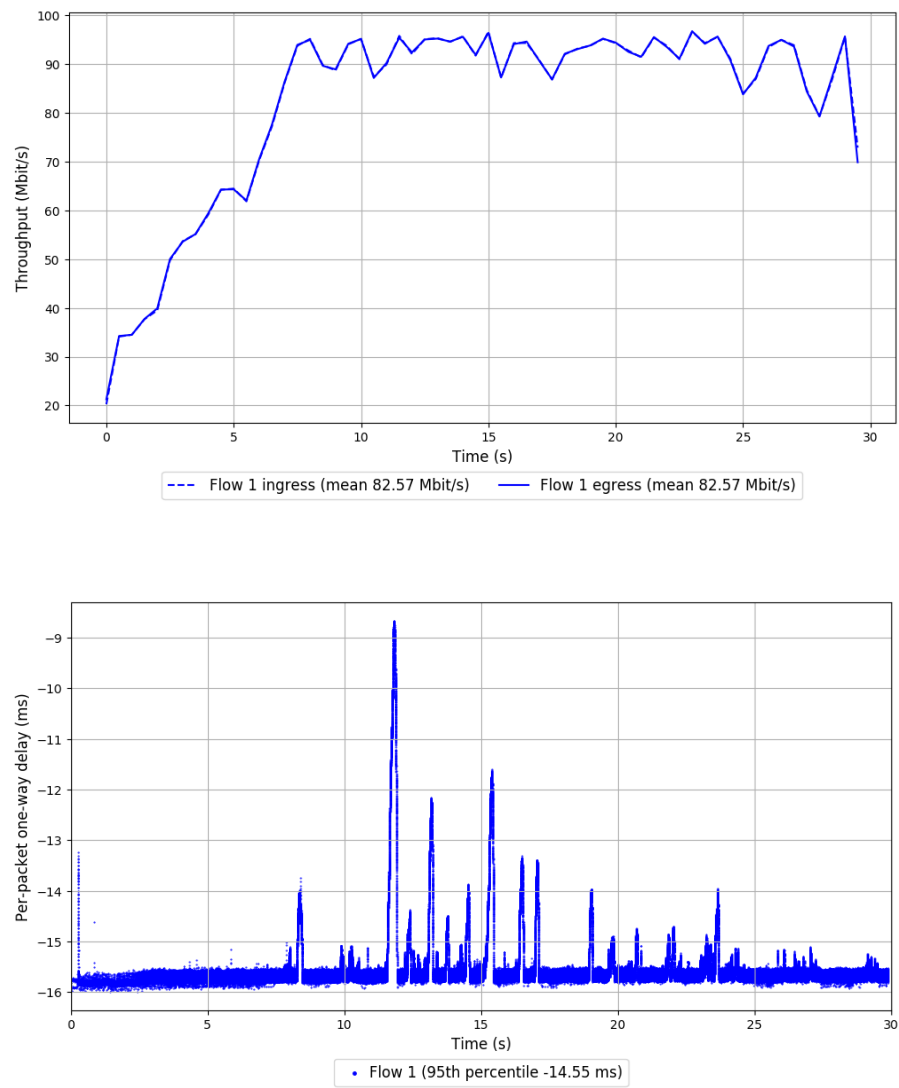


Run 7: Statistics of PCC

Start at: 2018-02-27 16:29:20
End at: 2018-02-27 16:29:50
Local clock offset: -6.046 ms
Remote clock offset: -24.764 ms

Below is generated by plot.py at 2018-02-27 18:22:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: -14.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: -14.547 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-27 16:49:43

End at: 2018-02-27 16:50:13

Local clock offset: -5.893 ms

Remote clock offset: -6.59 ms

Below is generated by plot.py at 2018-02-27 18:23:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.56 Mbit/s

95th percentile per-packet one-way delay: 3.400 ms

Loss rate: 0.00%

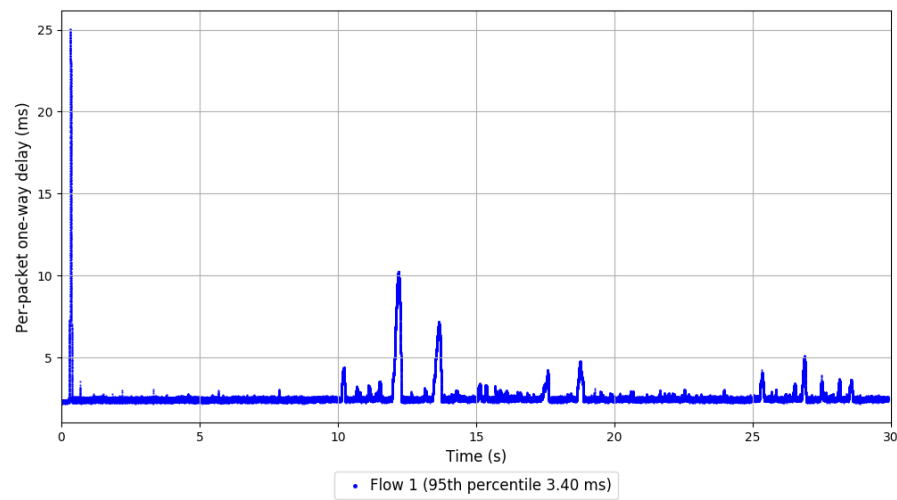
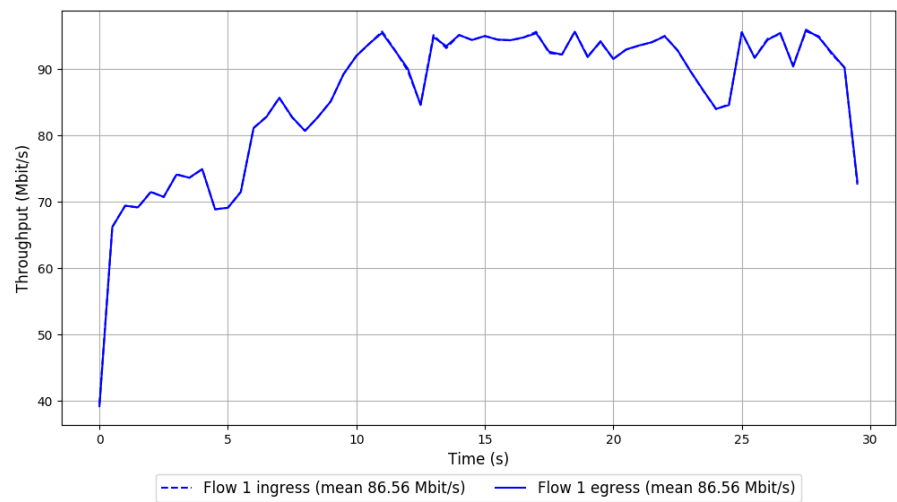
-- Flow 1:

Average throughput: 86.56 Mbit/s

95th percentile per-packet one-way delay: 3.400 ms

Loss rate: 0.00%

Run 8: Report of PCC — Data Link

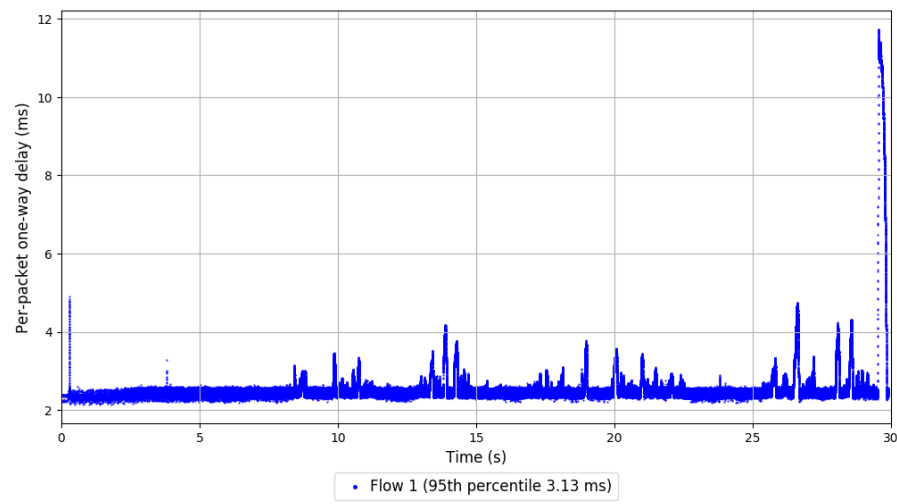
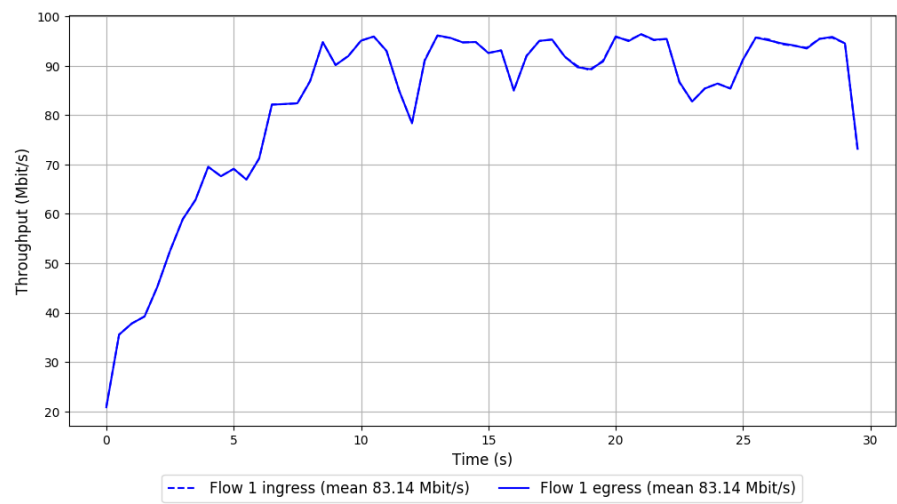


Run 9: Statistics of PCC

Start at: 2018-02-27 17:10:05
End at: 2018-02-27 17:10:35
Local clock offset: -6.532 ms
Remote clock offset: -6.461 ms

Below is generated by plot.py at 2018-02-27 18:23:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 3.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 3.128 ms
Loss rate: 0.00%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-27 17:30:16

End at: 2018-02-27 17:30:47

Local clock offset: -6.887 ms

Remote clock offset: -6.62 ms

Below is generated by plot.py at 2018-02-27 18:23:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.50 Mbit/s

95th percentile per-packet one-way delay: 3.550 ms

Loss rate: 0.00%

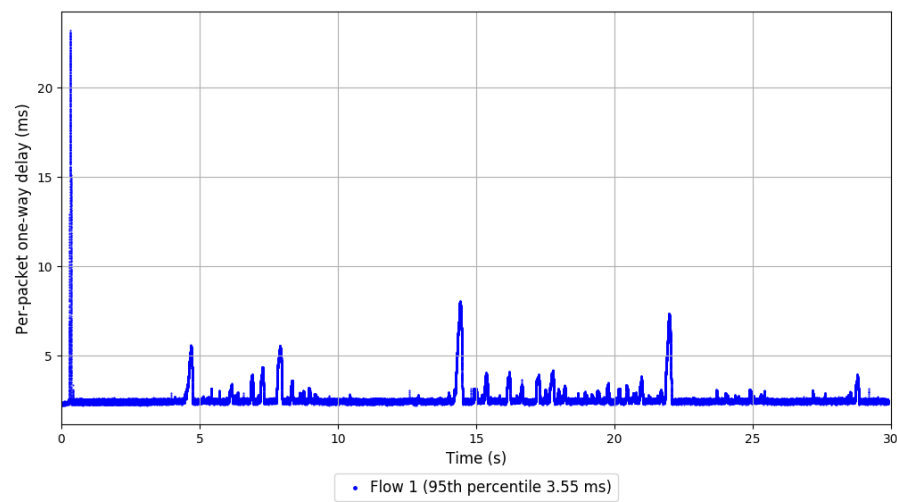
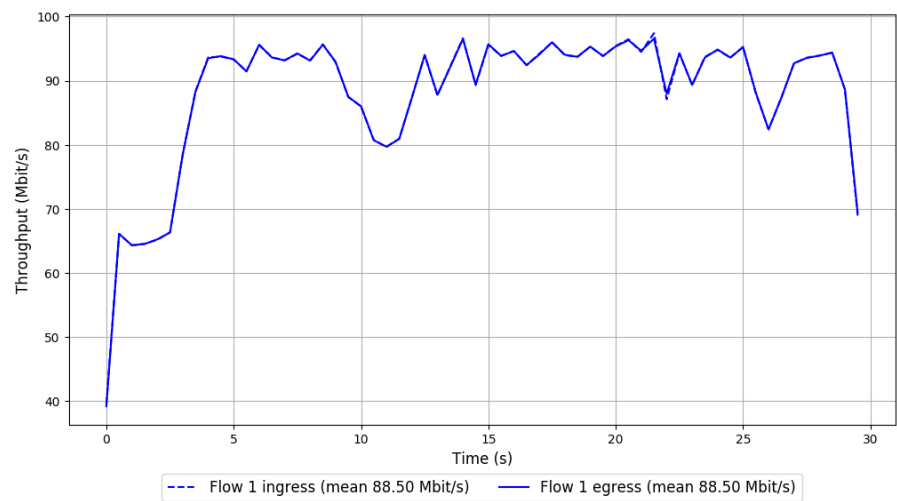
-- Flow 1:

Average throughput: 88.50 Mbit/s

95th percentile per-packet one-way delay: 3.550 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

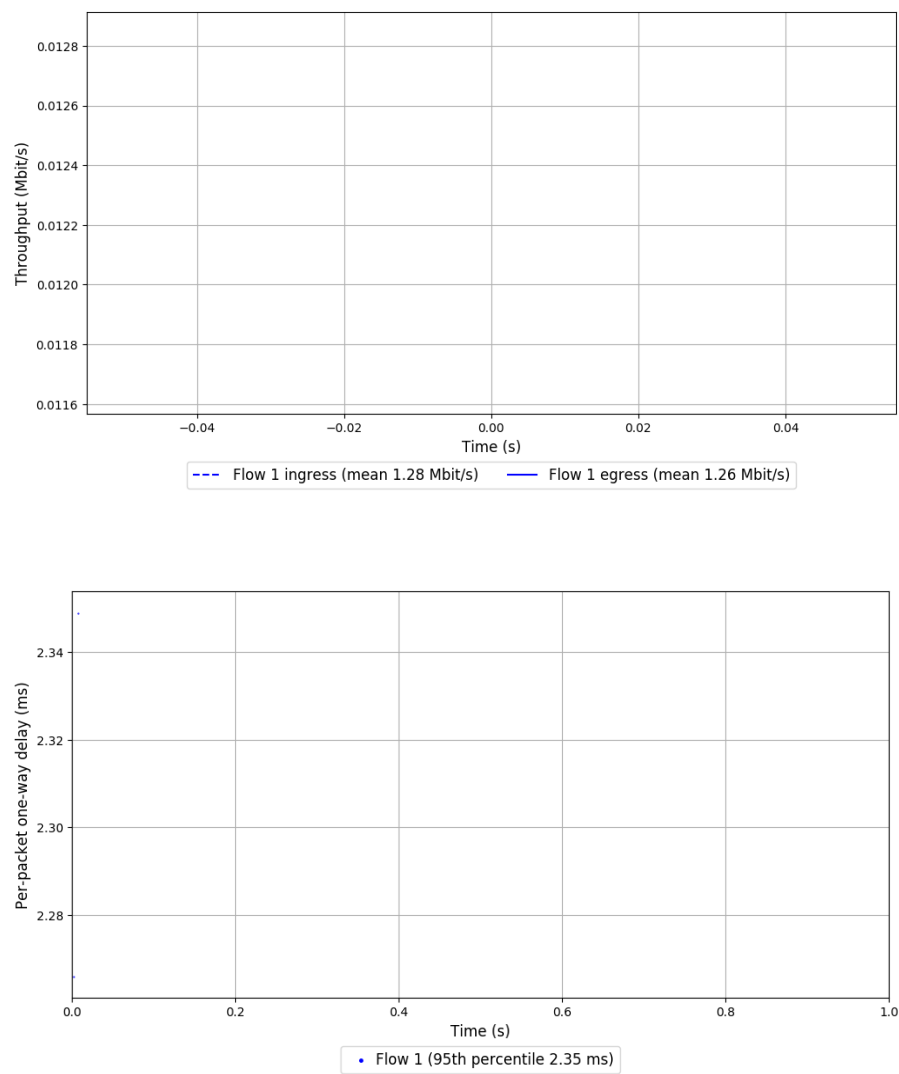
Start at: 2018-02-27 14:38:33

End at: 2018-02-27 14:39:03

Local clock offset: -6.401 ms

Remote clock offset: -6.95 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-27 14:58:54

End at: 2018-02-27 14:59:24

Local clock offset: -2.749 ms

Remote clock offset: -7.371 ms

Below is generated by plot.py at 2018-02-27 18:23:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.56 Mbit/s

95th percentile per-packet one-way delay: 22.462 ms

Loss rate: 0.10%

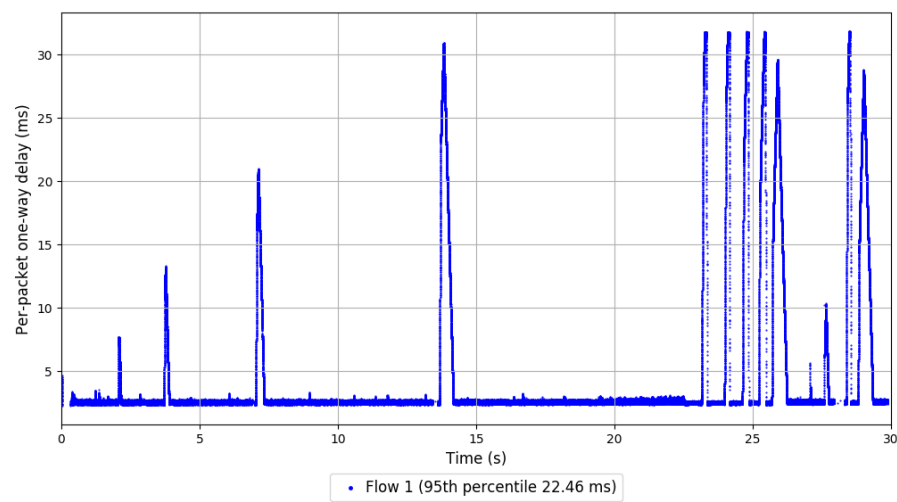
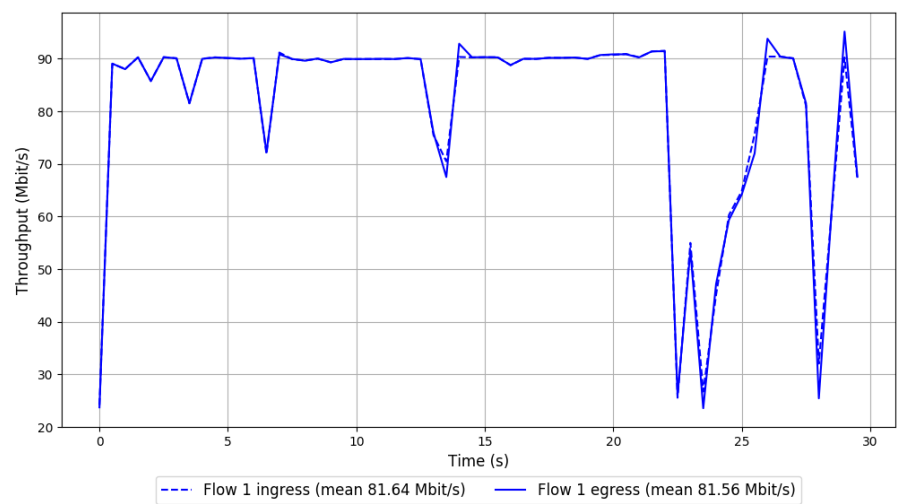
-- Flow 1:

Average throughput: 81.56 Mbit/s

95th percentile per-packet one-way delay: 22.462 ms

Loss rate: 0.10%

Run 2: Report of QUIC Cubic — Data Link

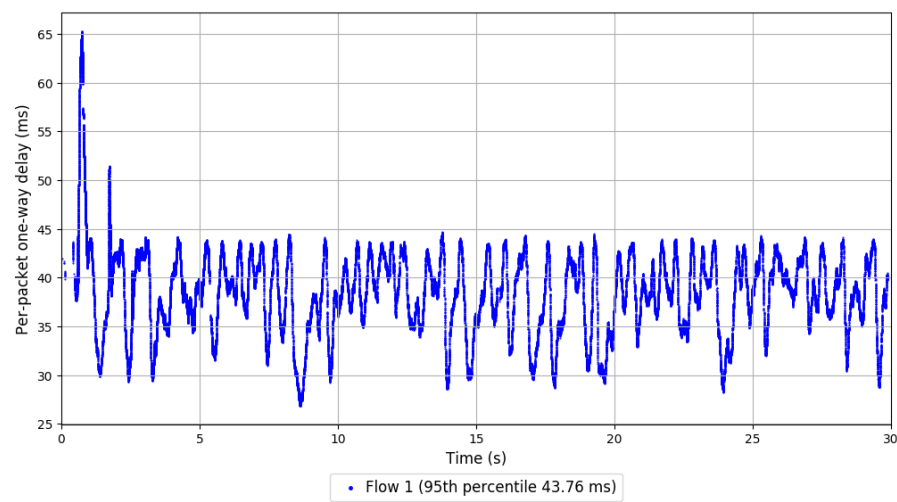
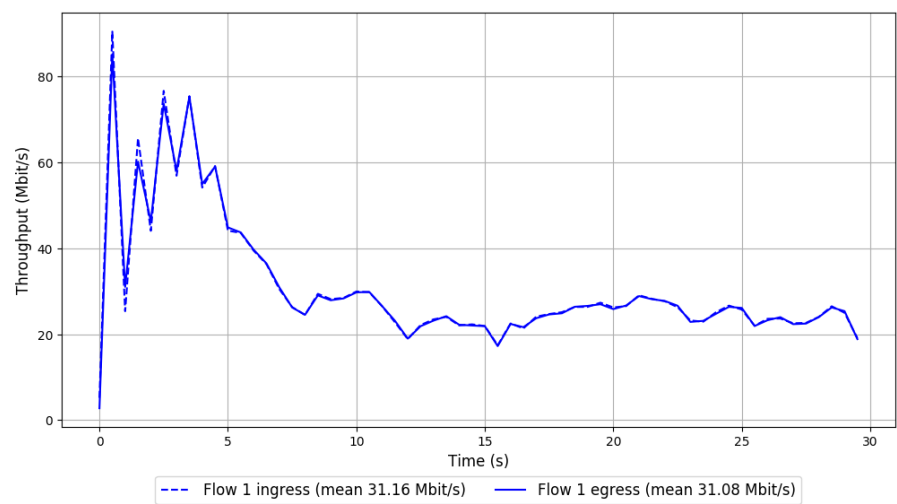


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-27 15:19:10
End at: 2018-02-27 15:19:40
Local clock offset: -3.668 ms
Remote clock offset: -6.635 ms

Below is generated by plot.py at 2018-02-27 18:23:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 43.763 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 43.763 ms
Loss rate: 0.42%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-27 15:39:24

End at: 2018-02-27 15:39:54

Local clock offset: -7.05 ms

Remote clock offset: -6.267 ms

Below is generated by plot.py at 2018-02-27 18:23:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.71 Mbit/s

95th percentile per-packet one-way delay: 15.627 ms

Loss rate: 0.00%

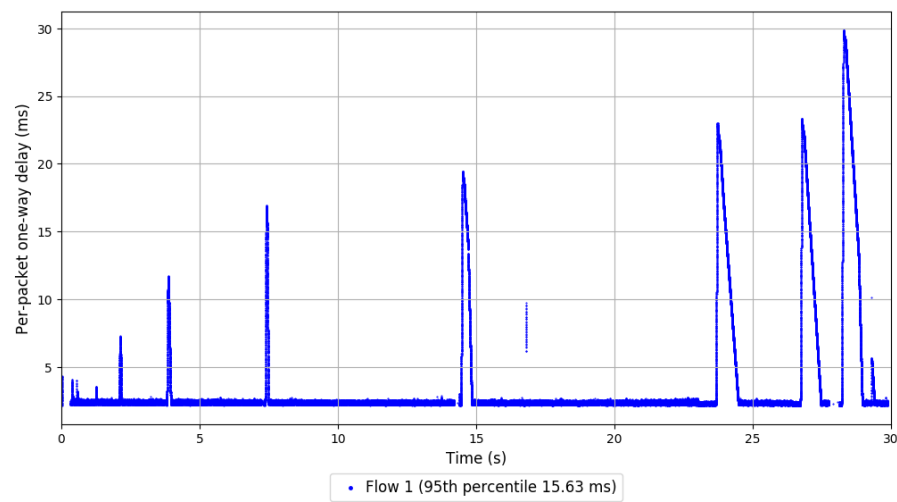
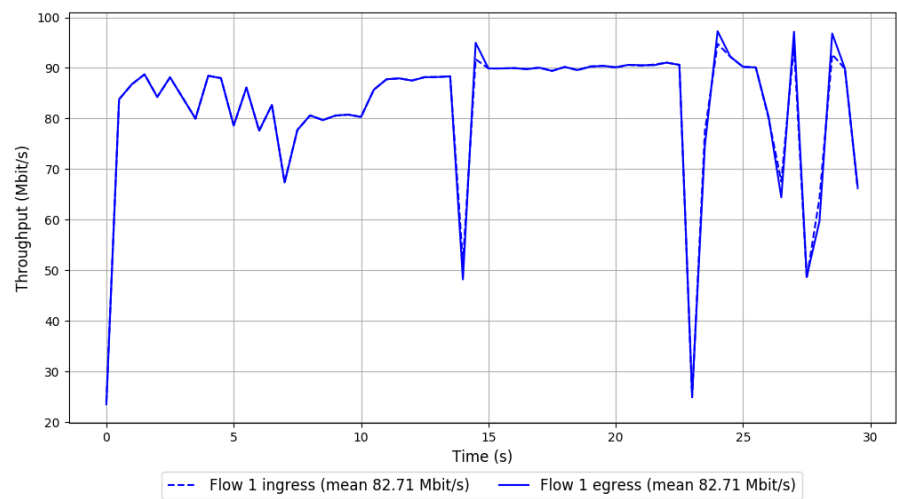
-- Flow 1:

Average throughput: 82.71 Mbit/s

95th percentile per-packet one-way delay: 15.627 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

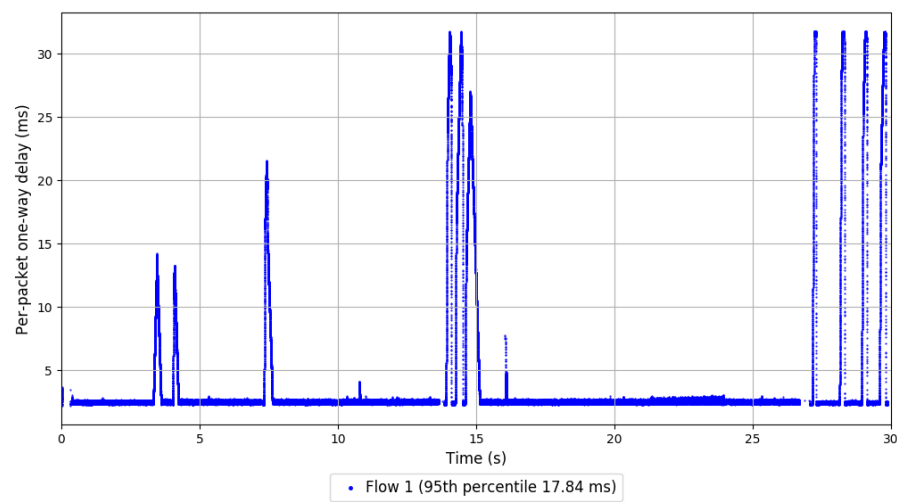
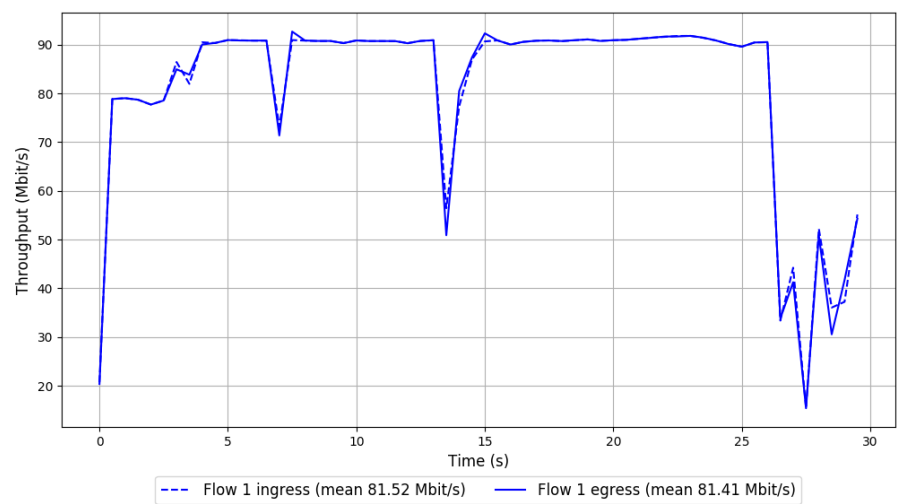


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-27 15:59:41
End at: 2018-02-27 16:00:11
Local clock offset: -6.475 ms
Remote clock offset: -6.042 ms

Below is generated by plot.py at 2018-02-27 18:23:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 17.842 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 17.842 ms
Loss rate: 0.13%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-27 16:20:11

End at: 2018-02-27 16:20:41

Local clock offset: -6.398 ms

Remote clock offset: -6.27 ms

Below is generated by plot.py at 2018-02-27 18:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.05 Mbit/s

95th percentile per-packet one-way delay: 19.662 ms

Loss rate: 0.08%

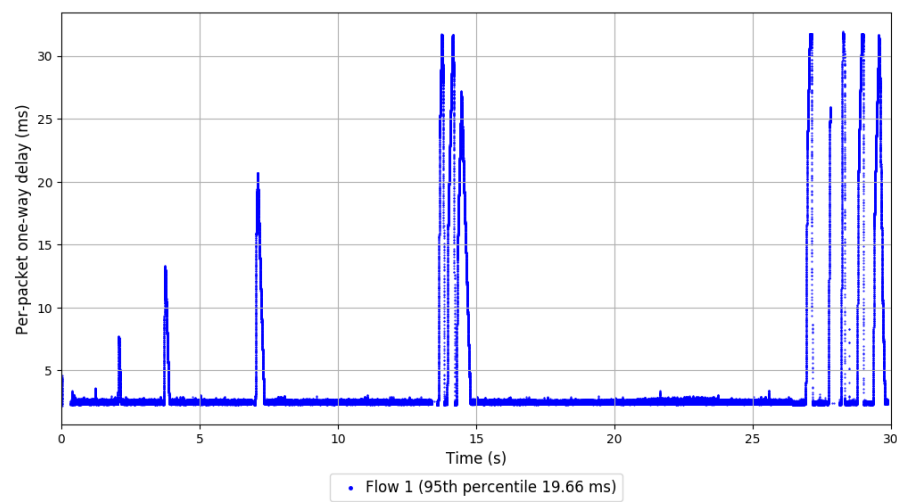
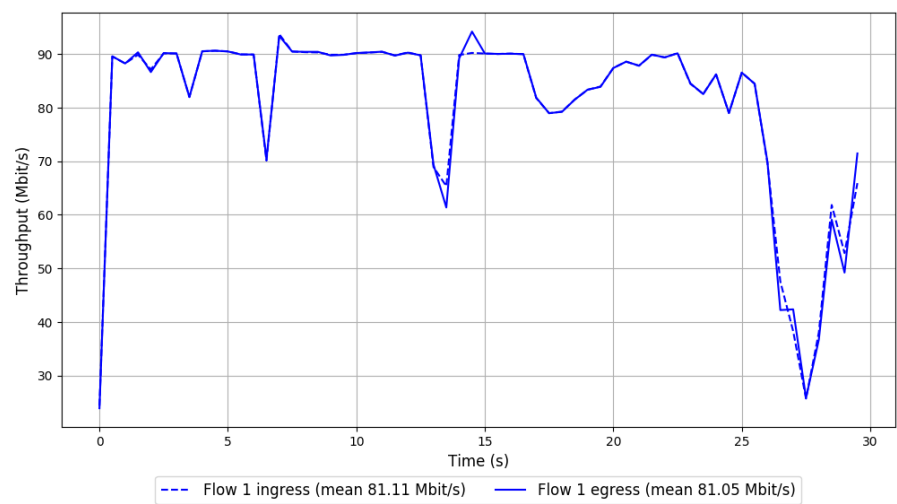
-- Flow 1:

Average throughput: 81.05 Mbit/s

95th percentile per-packet one-way delay: 19.662 ms

Loss rate: 0.08%

Run 6: Report of QUIC Cubic — Data Link

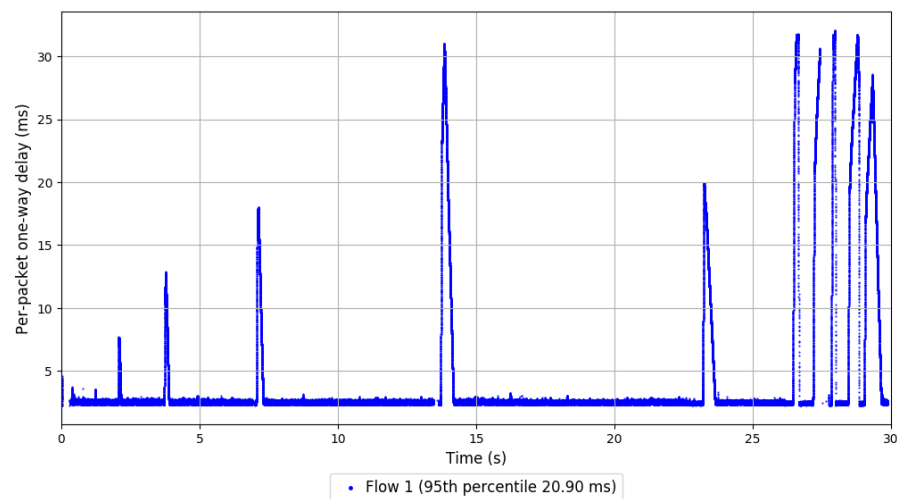
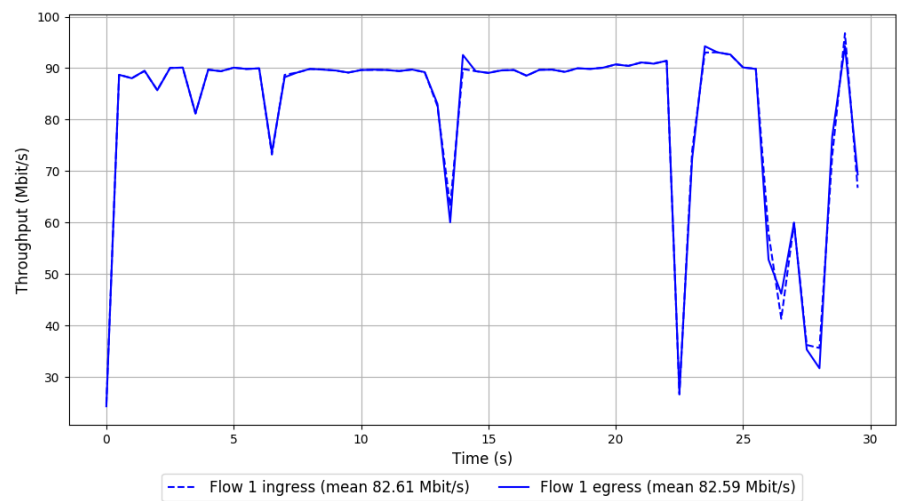


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-27 16:40:29
End at: 2018-02-27 16:40:59
Local clock offset: -5.828 ms
Remote clock offset: -6.567 ms

Below is generated by plot.py at 2018-02-27 18:24:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 20.900 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 20.900 ms
Loss rate: 0.03%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-27 17:00:53

End at: 2018-02-27 17:01:23

Local clock offset: -6.156 ms

Remote clock offset: -6.369 ms

Below is generated by plot.py at 2018-02-27 18:24:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.68 Mbit/s

95th percentile per-packet one-way delay: 23.005 ms

Loss rate: 0.08%

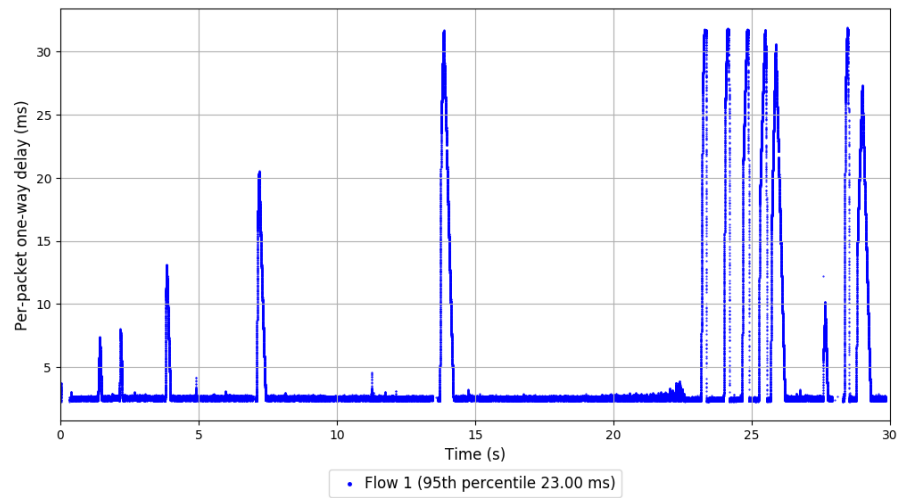
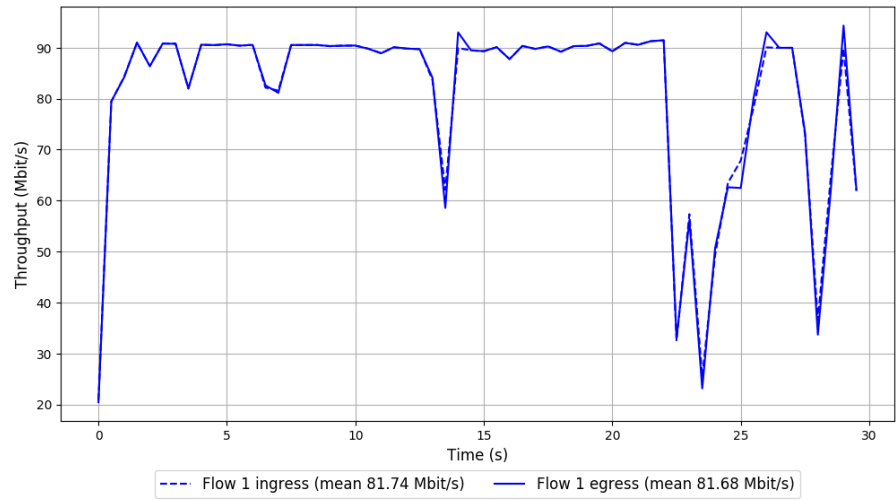
-- Flow 1:

Average throughput: 81.68 Mbit/s

95th percentile per-packet one-way delay: 23.005 ms

Loss rate: 0.08%

Run 8: Report of QUIC Cubic — Data Link

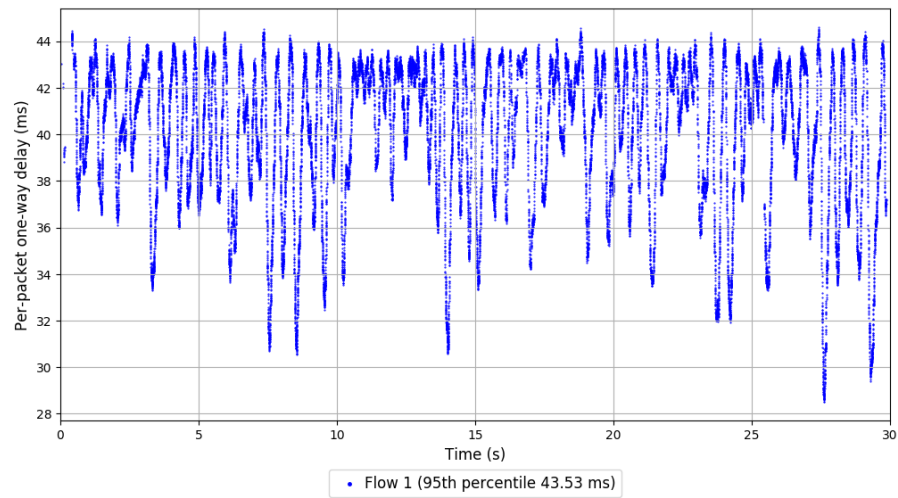
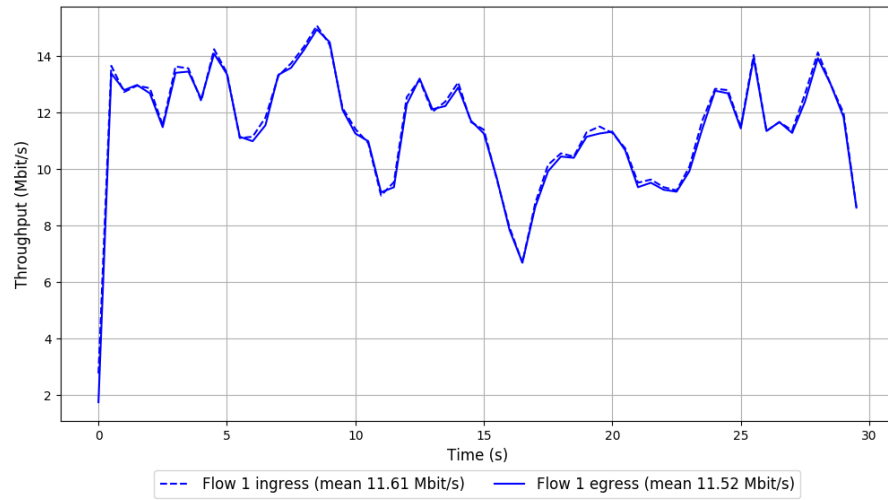


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-27 17:21:15
End at: 2018-02-27 17:21:45
Local clock offset: -6.733 ms
Remote clock offset: -6.403 ms

Below is generated by plot.py at 2018-02-27 18:24:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 43.526 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 43.526 ms
Loss rate: 0.90%

Run 9: Report of QUIC Cubic — Data Link

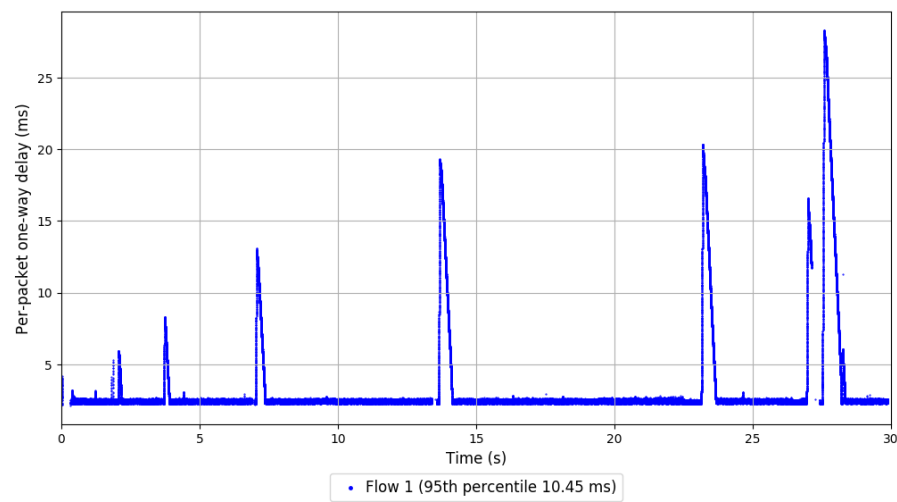
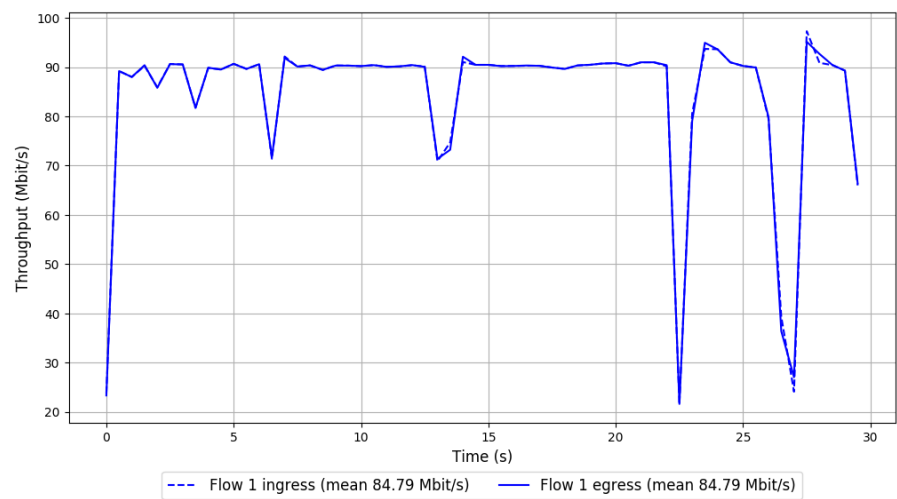


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-27 17:41:25
End at: 2018-02-27 17:41:55
Local clock offset: -6.642 ms
Remote clock offset: -6.963 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 10.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 10.448 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

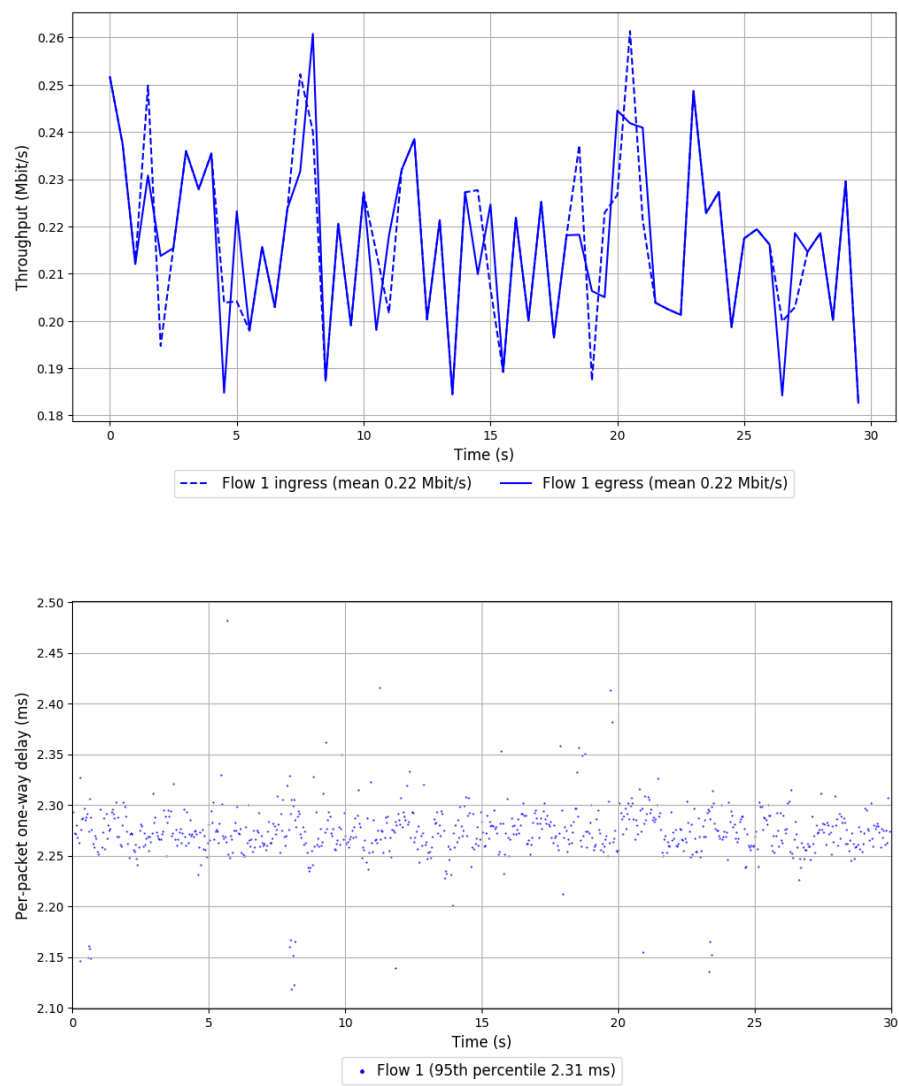


Run 1: Statistics of SCReAM

Start at: 2018-02-27 14:35:12
End at: 2018-02-27 14:35:42
Local clock offset: -6.304 ms
Remote clock offset: -6.885 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.307 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

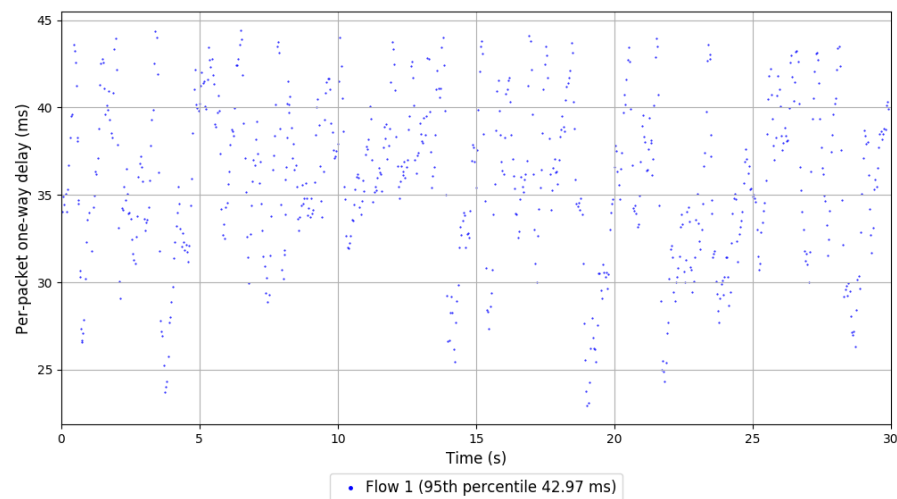
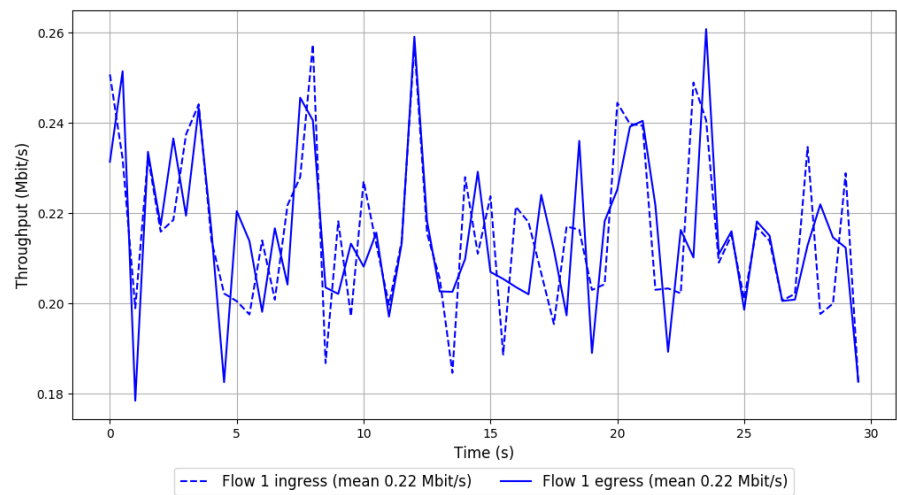


Run 2: Statistics of SCReAM

Start at: 2018-02-27 14:55:32
End at: 2018-02-27 14:56:02
Local clock offset: -3.057 ms
Remote clock offset: -7.303 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.969 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.969 ms
Loss rate: 0.12%

Run 2: Report of SReAM — Data Link

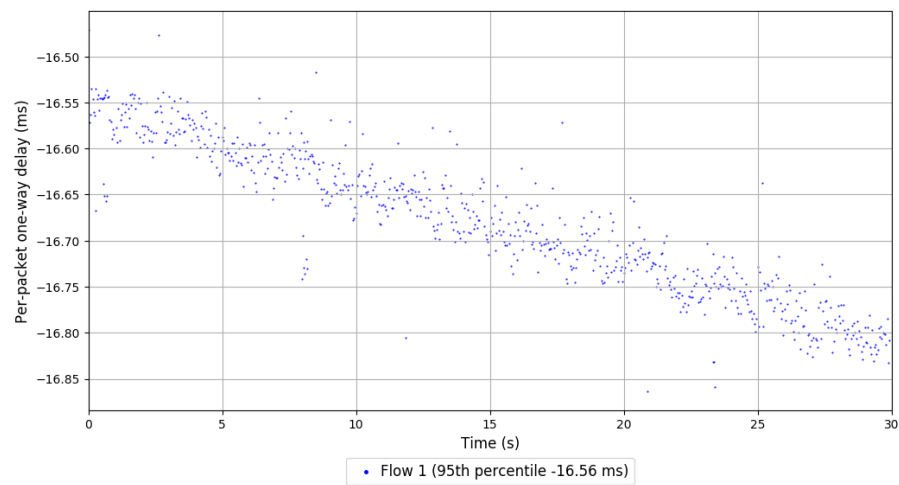
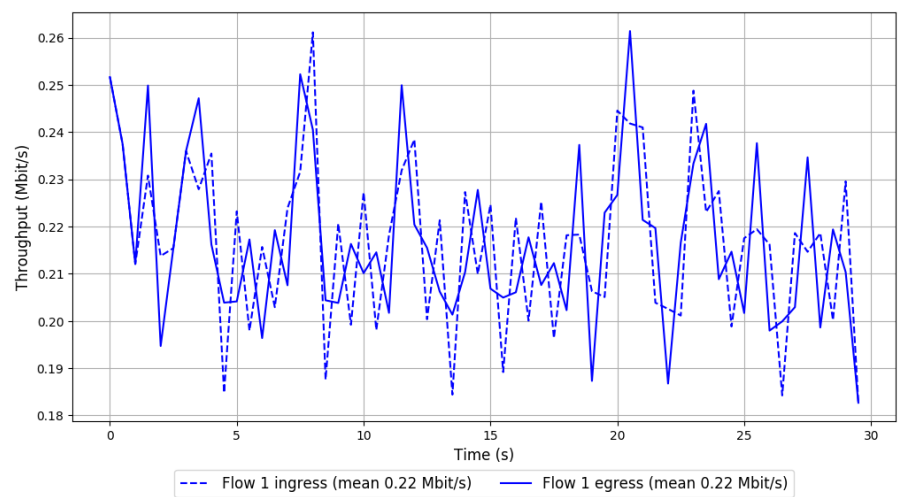


Run 3: Statistics of SCReAM

Start at: 2018-02-27 15:15:49
End at: 2018-02-27 15:16:19
Local clock offset: -2.162 ms
Remote clock offset: -25.422 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -16.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -16.557 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

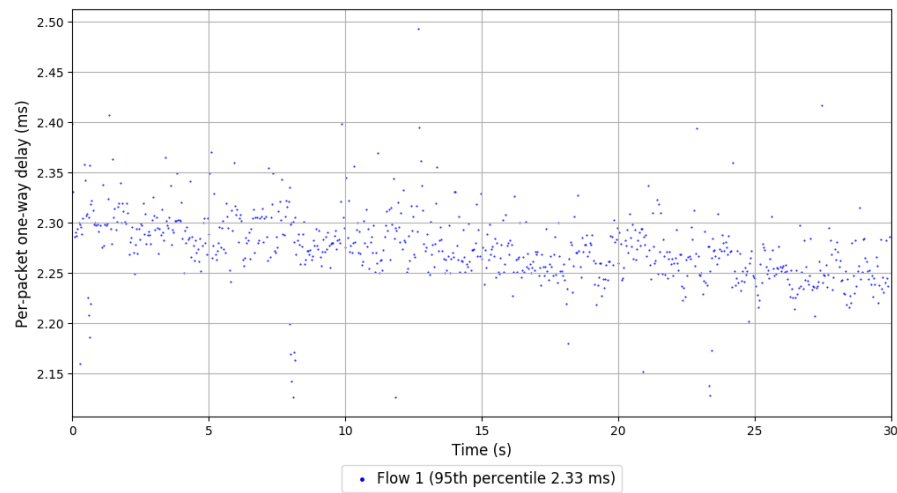
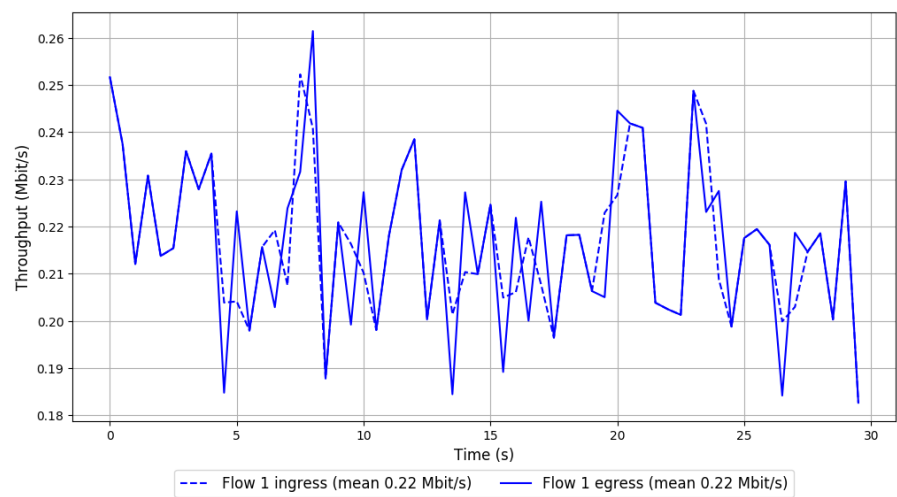


Run 4: Statistics of SCReAM

Start at: 2018-02-27 15:36:03
End at: 2018-02-27 15:36:33
Local clock offset: -6.754 ms
Remote clock offset: -6.299 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.329 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

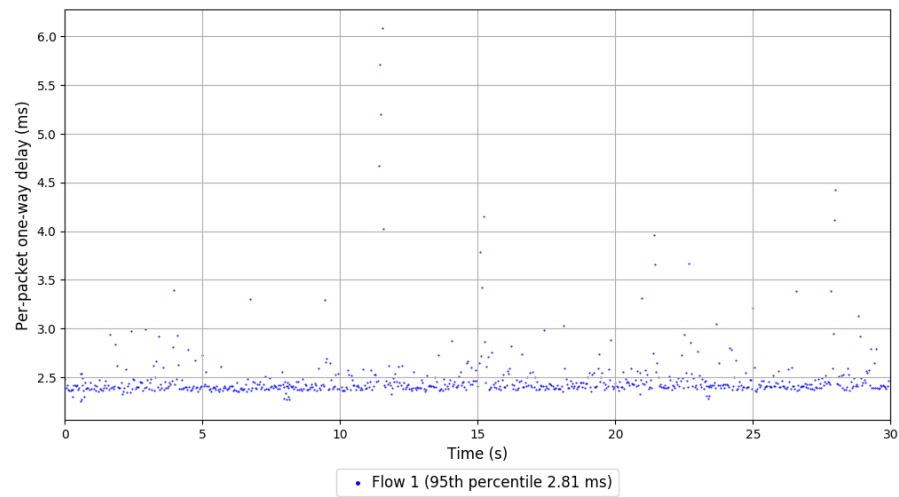
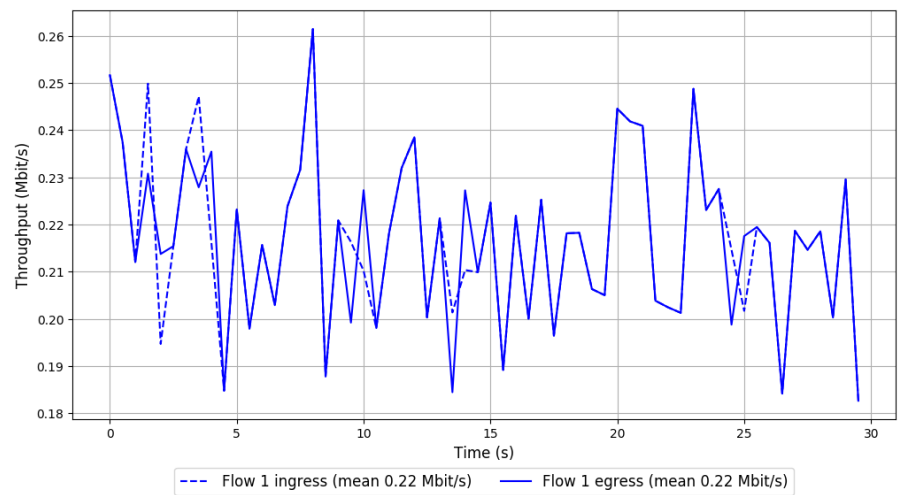


Run 5: Statistics of SCReAM

Start at: 2018-02-27 15:56:20
End at: 2018-02-27 15:56:50
Local clock offset: -6.692 ms
Remote clock offset: -6.056 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.813 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-27 16:16:49
End at: 2018-02-27 16:17:19
Local clock offset: -6.344 ms
Remote clock offset: -6.032 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.420 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

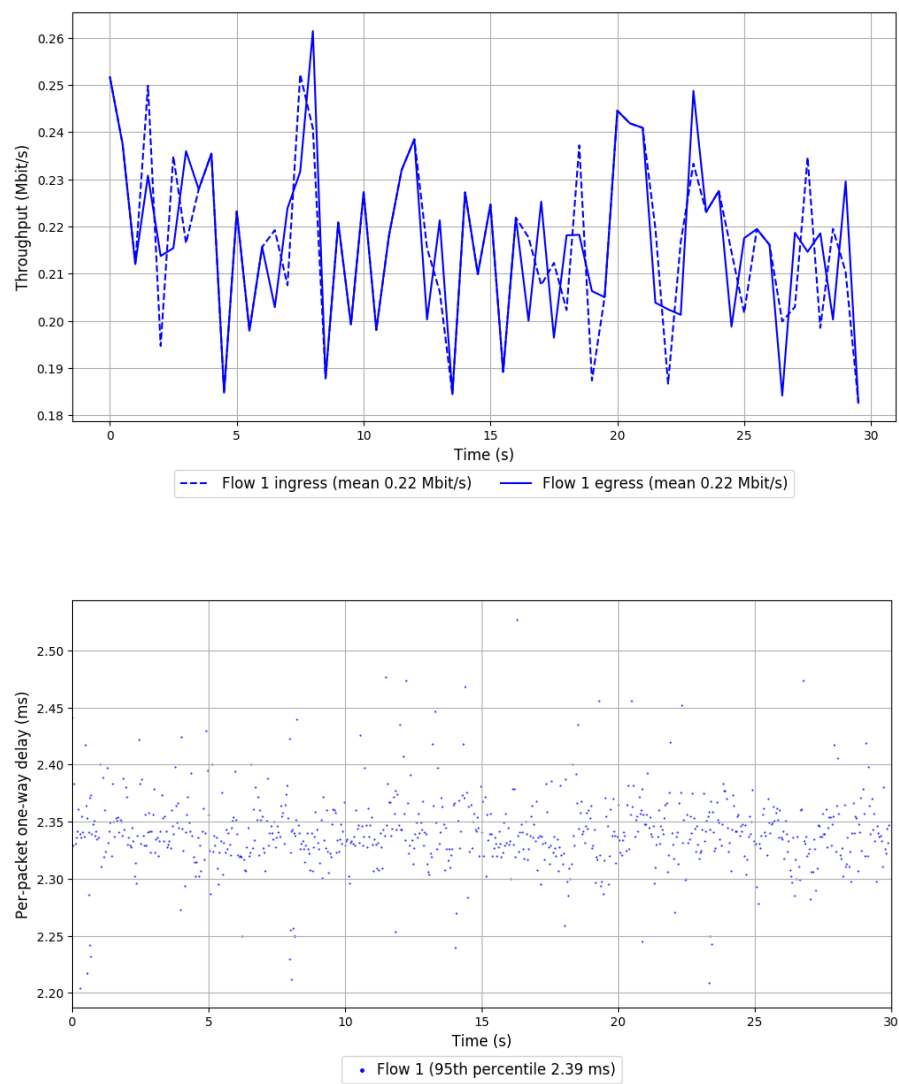


Run 7: Statistics of SCReAM

Start at: 2018-02-27 16:37:08
End at: 2018-02-27 16:37:38
Local clock offset: -5.825 ms
Remote clock offset: -6.607 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.393 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

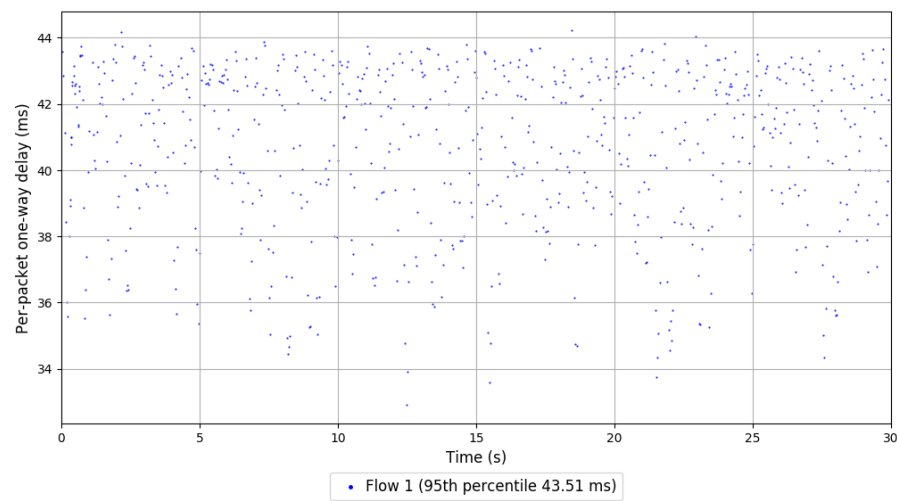
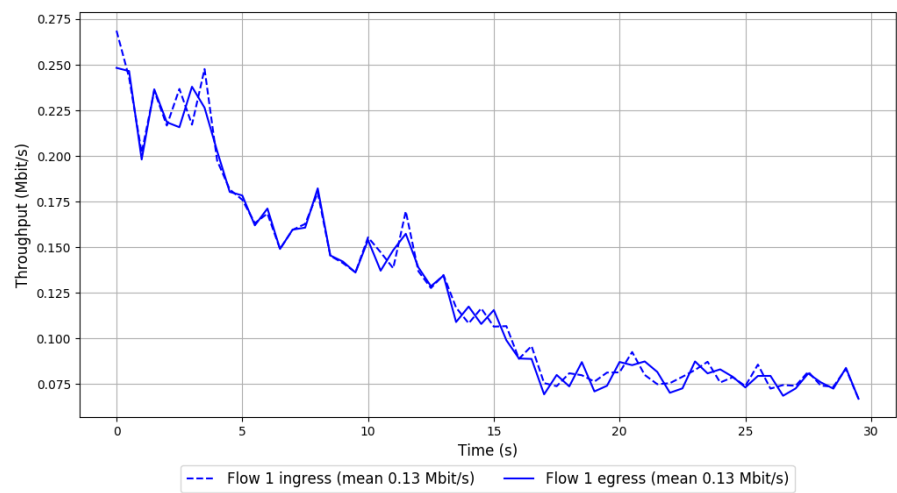


Run 8: Statistics of SCReAM

Start at: 2018-02-27 16:57:32
End at: 2018-02-27 16:58:02
Local clock offset: -5.894 ms
Remote clock offset: -6.468 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 43.511 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 43.511 ms
Loss rate: 0.88%

Run 8: Report of SReAM — Data Link

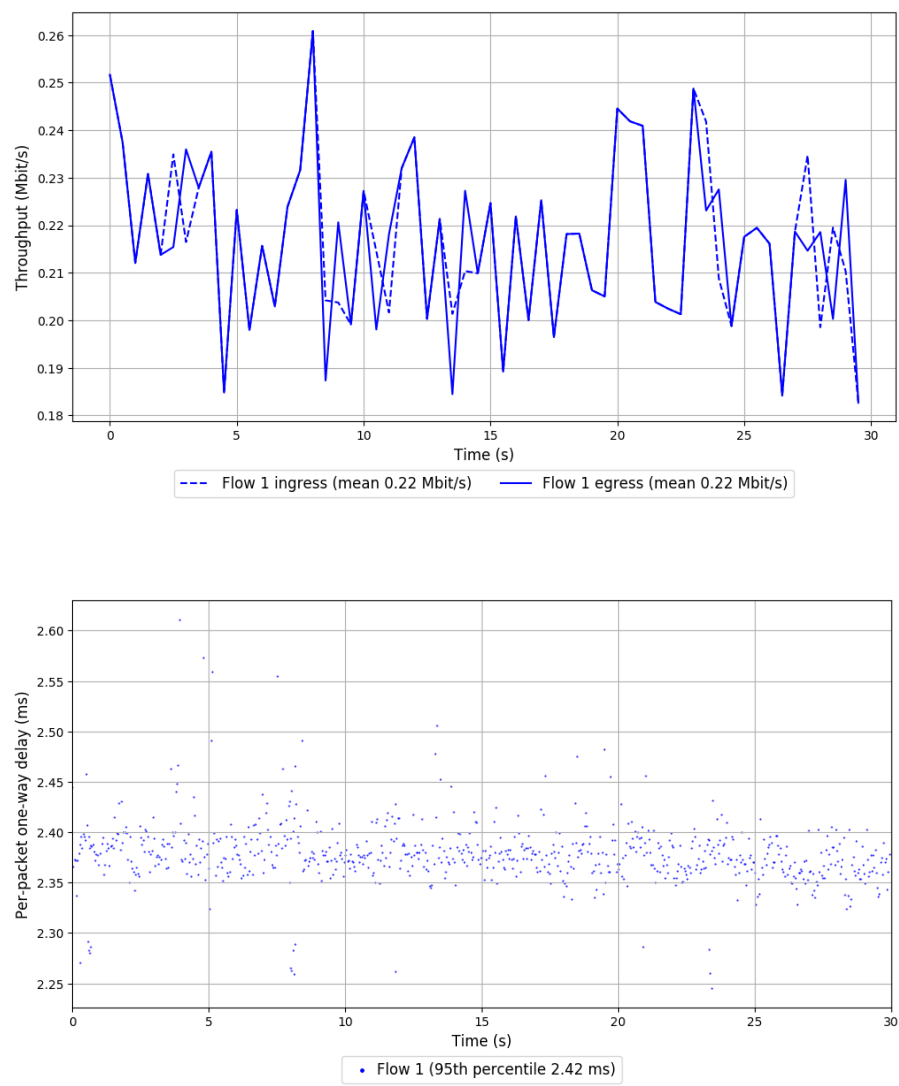


Run 9: Statistics of SCReAM

Start at: 2018-02-27 17:17:53
End at: 2018-02-27 17:18:23
Local clock offset: -6.702 ms
Remote clock offset: -6.392 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-02-27 17:38:04

End at: 2018-02-27 17:38:34

Local clock offset: -6.702 ms

Remote clock offset: -6.841 ms

Below is generated by plot.py at 2018-02-27 18:24:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 2.367 ms

Loss rate: 3.51%

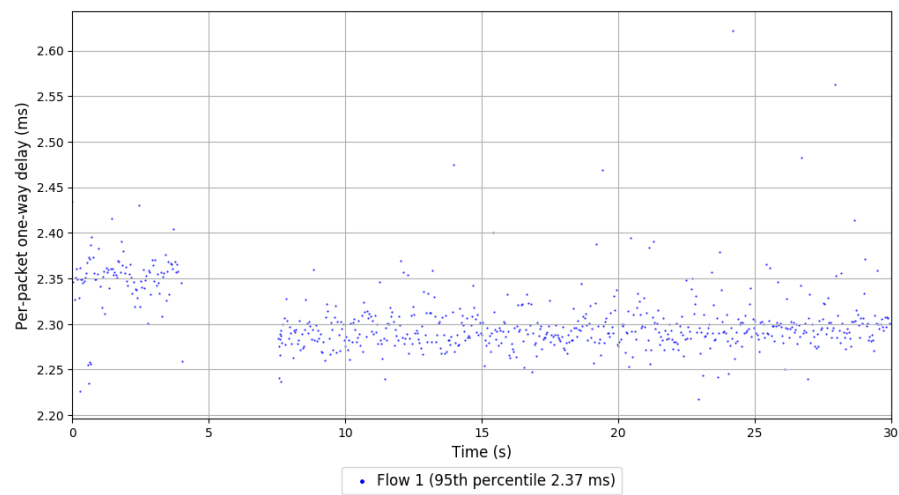
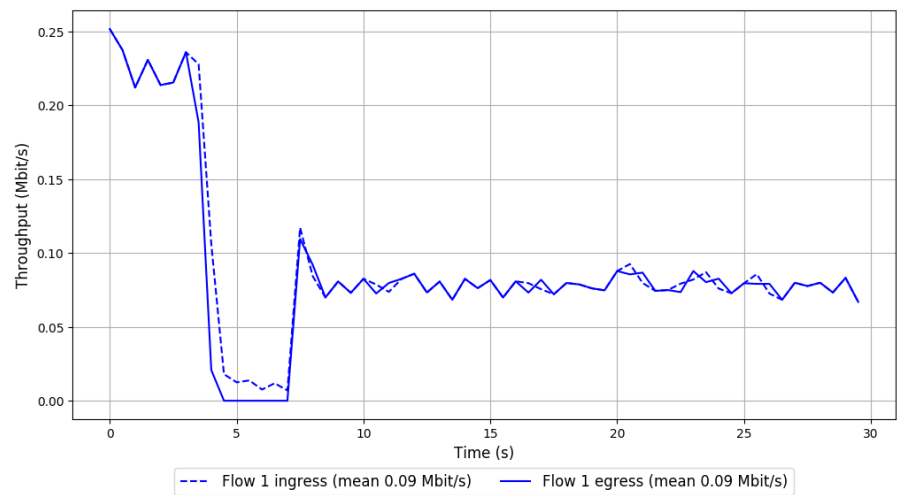
-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 2.367 ms

Loss rate: 3.51%

Run 10: Report of SReAM — Data Link

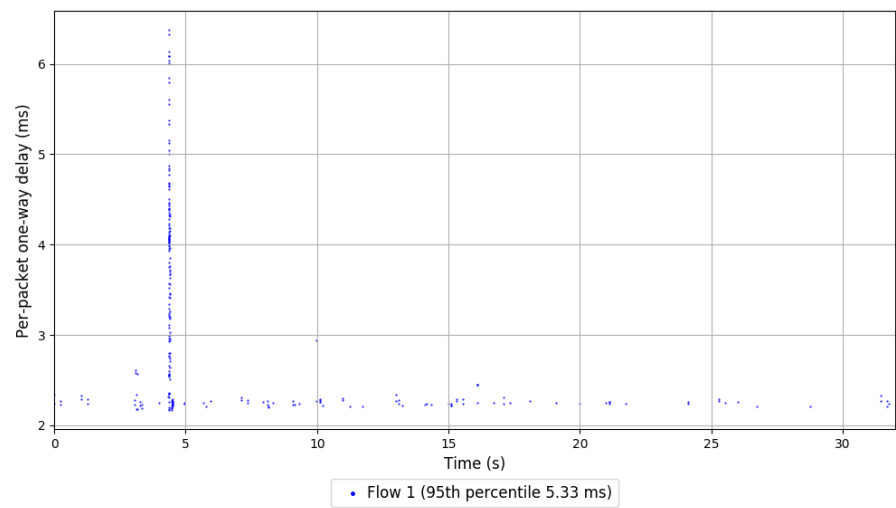
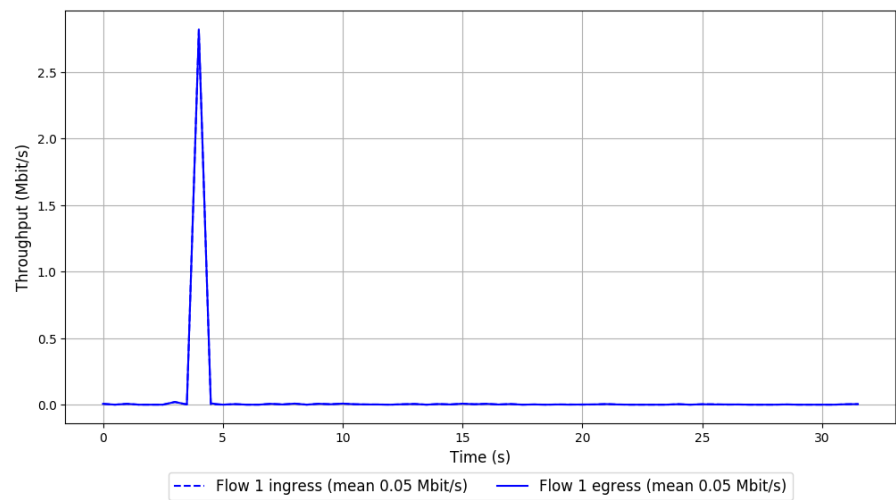


Run 1: Statistics of WebRTC media

Start at: 2018-02-27 14:34:08
End at: 2018-02-27 14:34:38
Local clock offset: -6.312 ms
Remote clock offset: -6.814 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.332 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

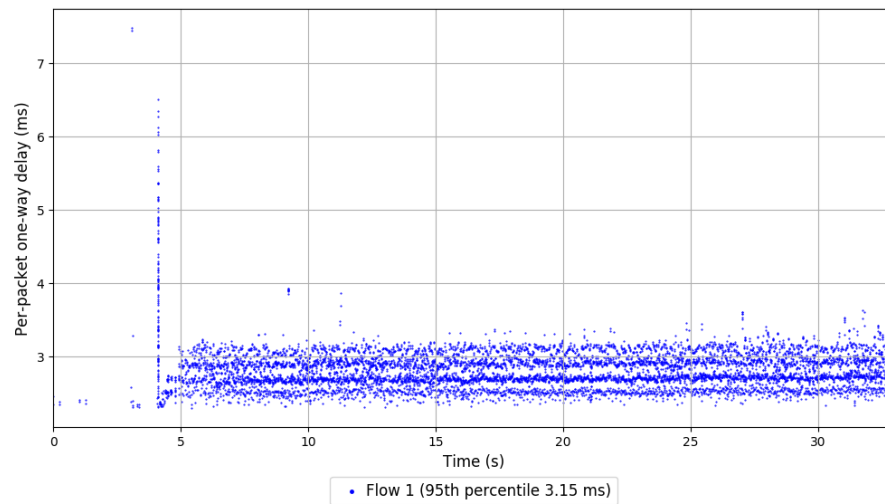
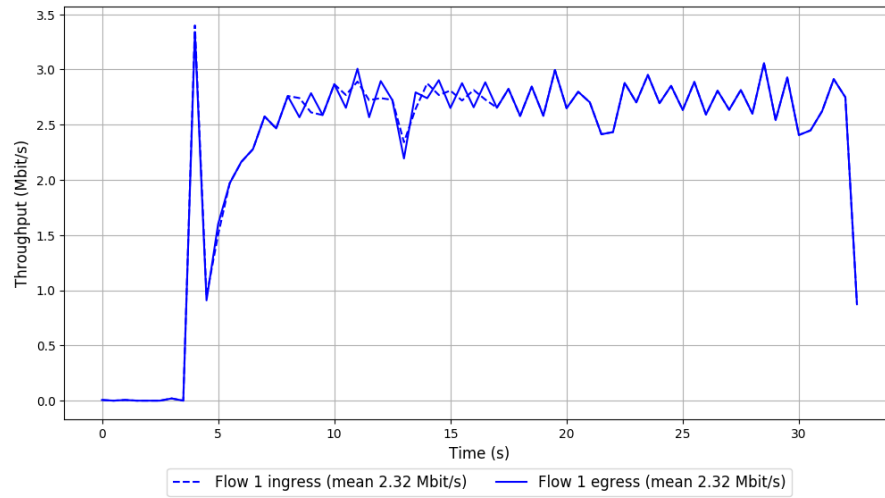


Run 2: Statistics of WebRTC media

Start at: 2018-02-27 14:54:29
End at: 2018-02-27 14:54:59
Local clock offset: -3.268 ms
Remote clock offset: -7.286 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.152 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

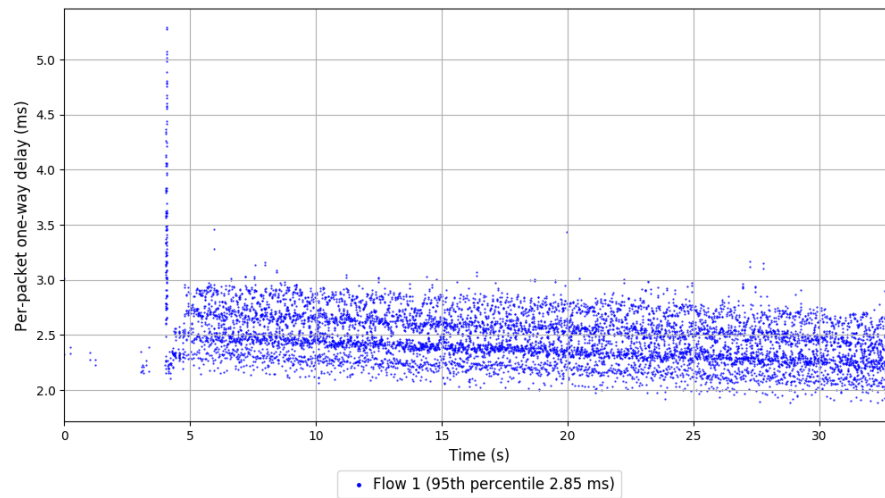
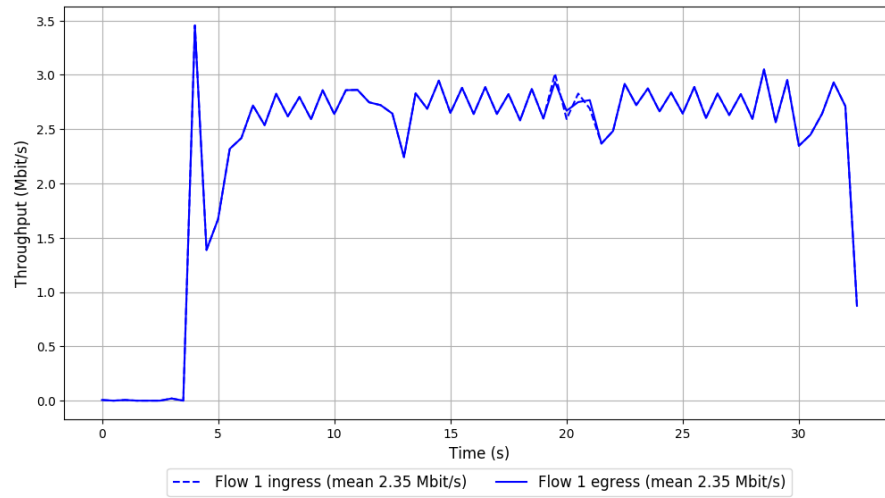


Run 3: Statistics of WebRTC media

Start at: 2018-02-27 15:14:45
End at: 2018-02-27 15:15:15
Local clock offset: -1.85 ms
Remote clock offset: -6.831 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.851 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

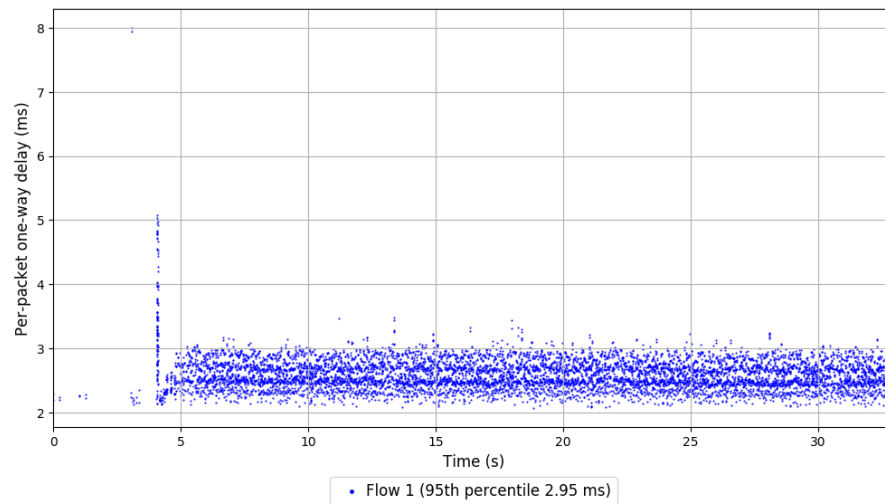
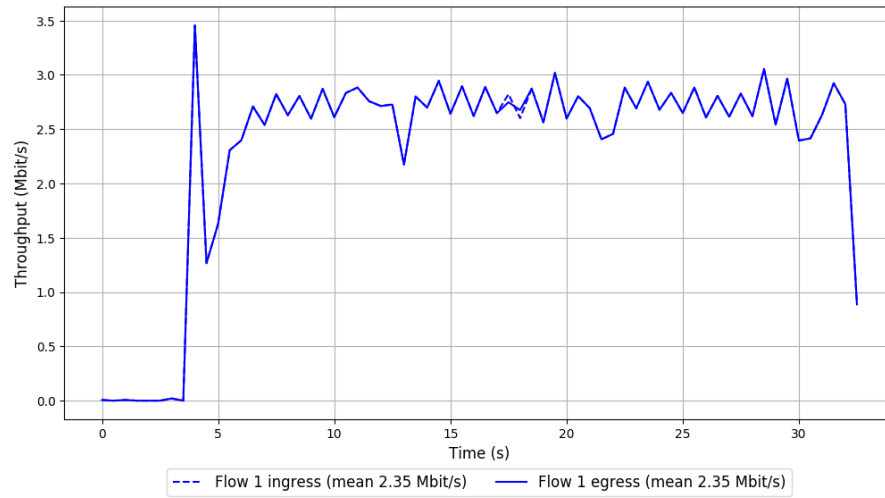


Run 4: Statistics of WebRTC media

Start at: 2018-02-27 15:34:59
End at: 2018-02-27 15:35:29
Local clock offset: -6.666 ms
Remote clock offset: -6.319 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.951 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

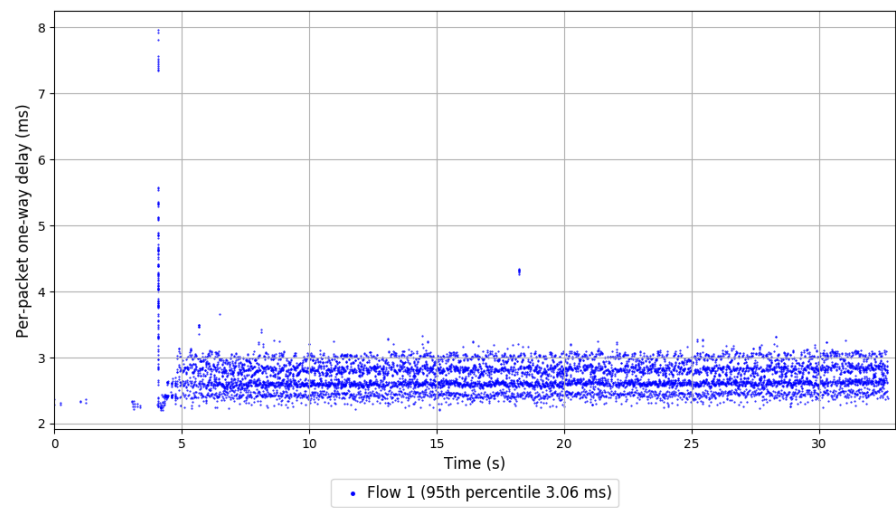
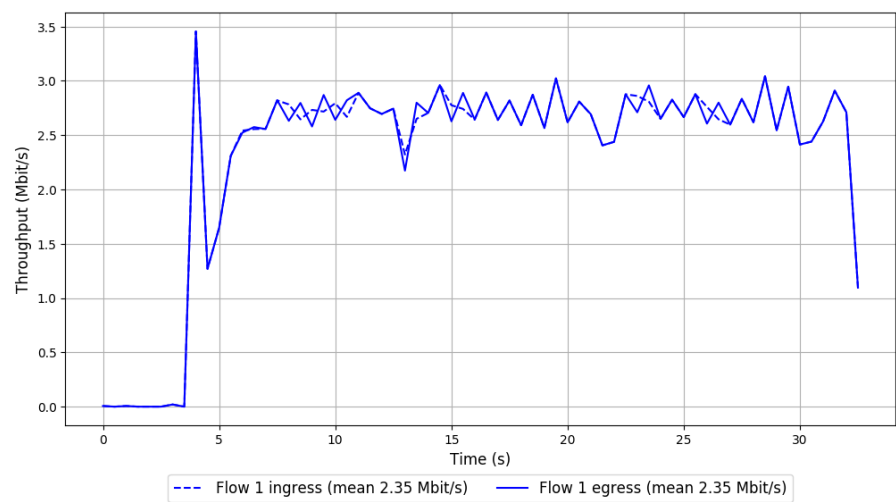


Run 5: Statistics of WebRTC media

Start at: 2018-02-27 15:55:16
End at: 2018-02-27 15:55:46
Local clock offset: -6.793 ms
Remote clock offset: -6.061 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 3.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 3.055 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

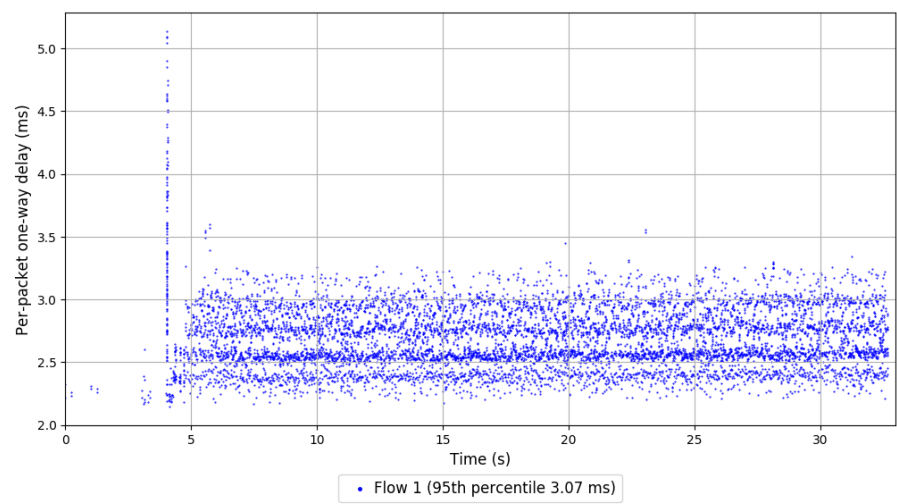
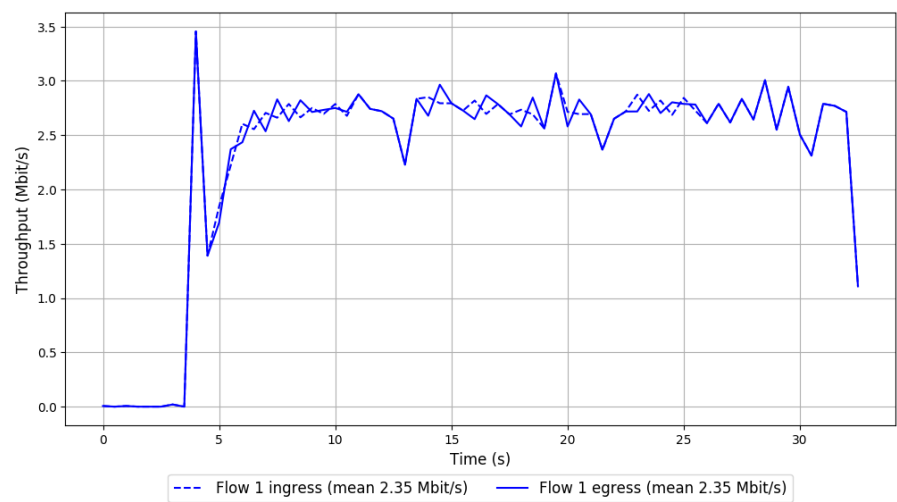


Run 6: Statistics of WebRTC media

Start at: 2018-02-27 16:15:45
End at: 2018-02-27 16:16:15
Local clock offset: -6.338 ms
Remote clock offset: -5.941 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 3.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 3.067 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

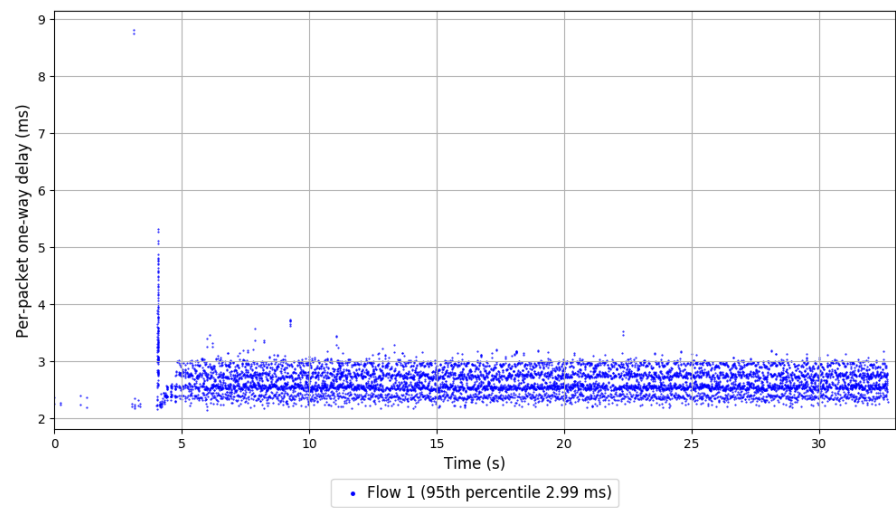
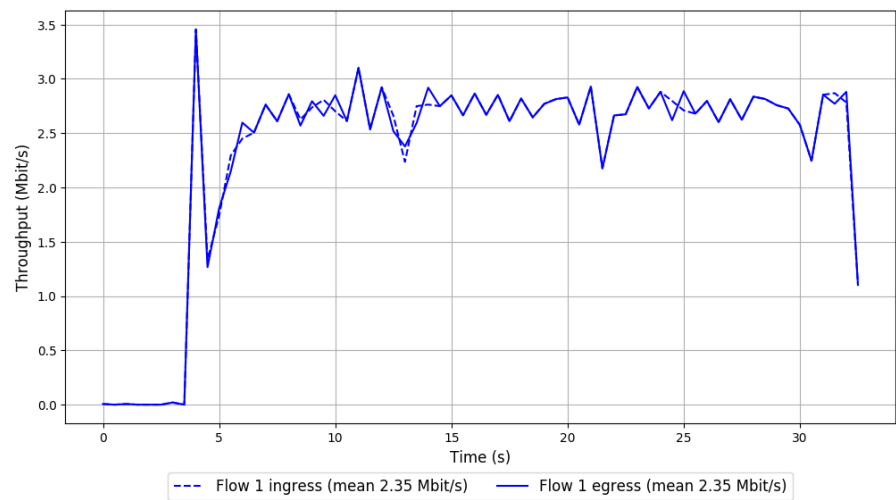


Run 7: Statistics of WebRTC media

Start at: 2018-02-27 16:36:04
End at: 2018-02-27 16:36:34
Local clock offset: -5.84 ms
Remote clock offset: -6.604 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.992 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

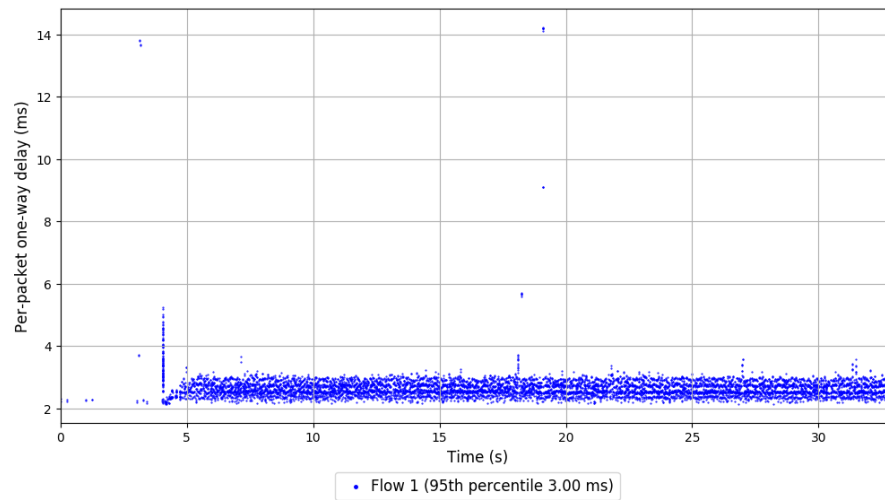
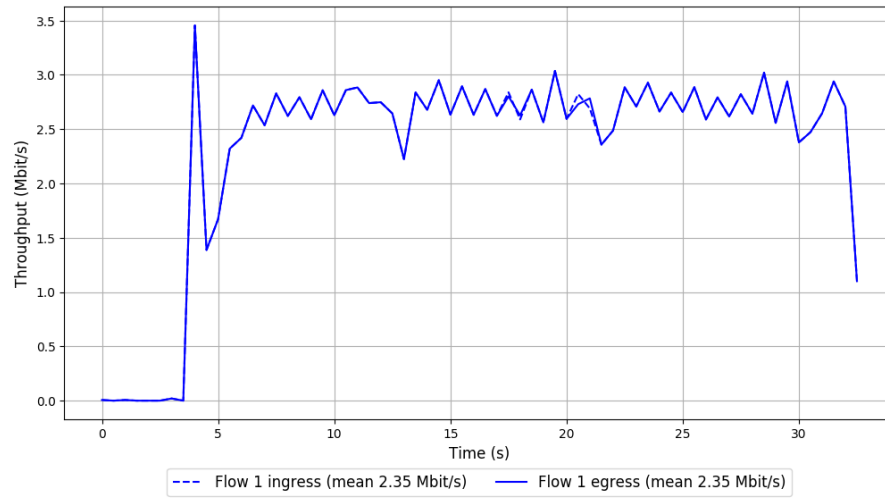


Run 8: Statistics of WebRTC media

Start at: 2018-02-27 16:56:28
End at: 2018-02-27 16:56:58
Local clock offset: -5.876 ms
Remote clock offset: -6.407 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.995 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

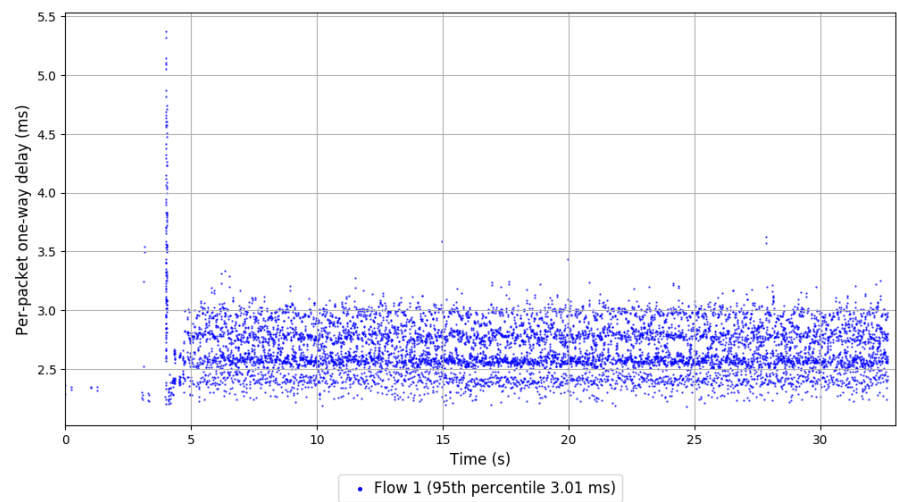
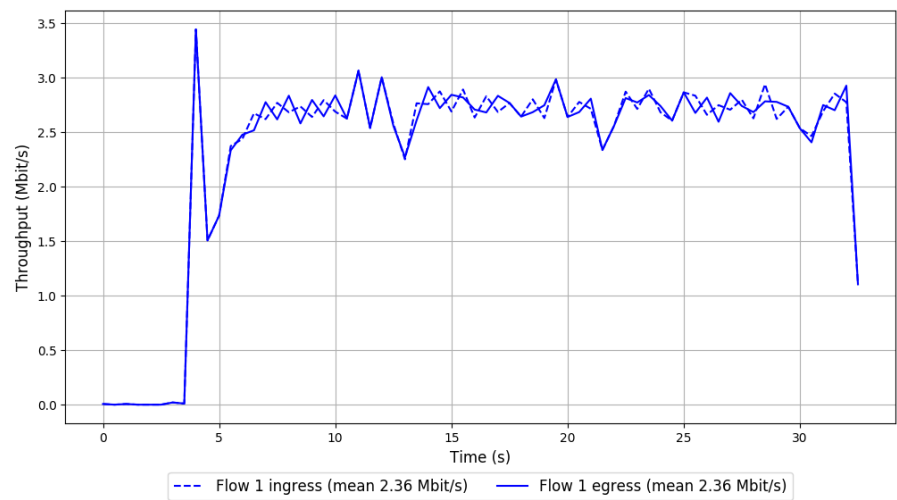


Run 9: Statistics of WebRTC media

Start at: 2018-02-27 17:16:49
End at: 2018-02-27 17:17:19
Local clock offset: -6.683 ms
Remote clock offset: -6.397 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.014 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-27 17:37:00

End at: 2018-02-27 17:37:30

Local clock offset: -6.791 ms

Remote clock offset: -6.874 ms

Below is generated by plot.py at 2018-02-27 18:24:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 3.047 ms

Loss rate: 0.00%

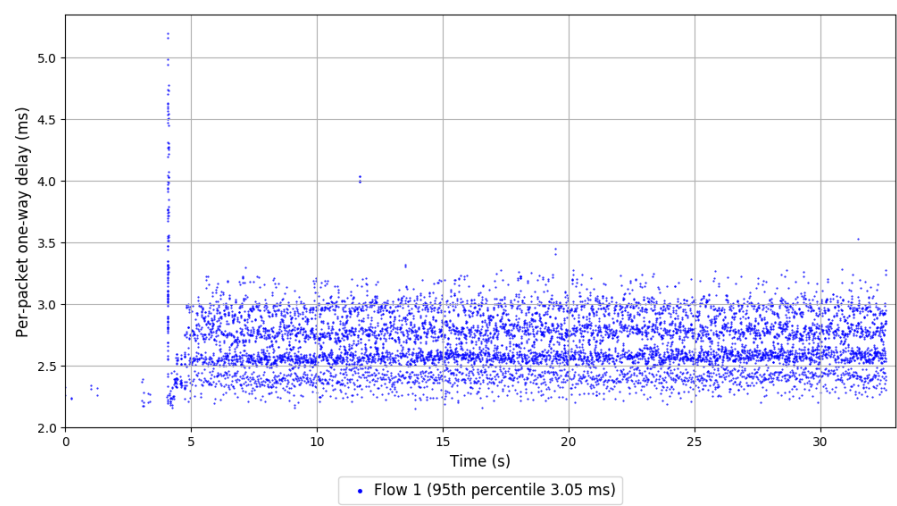
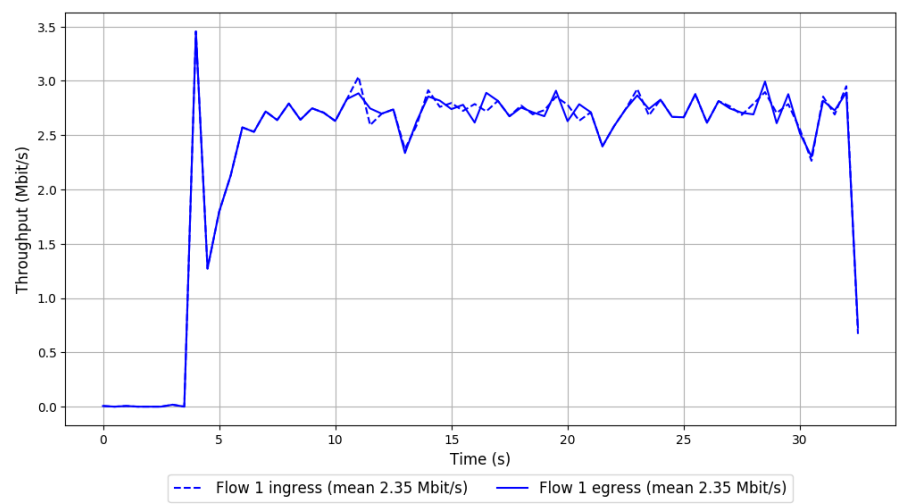
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 3.047 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

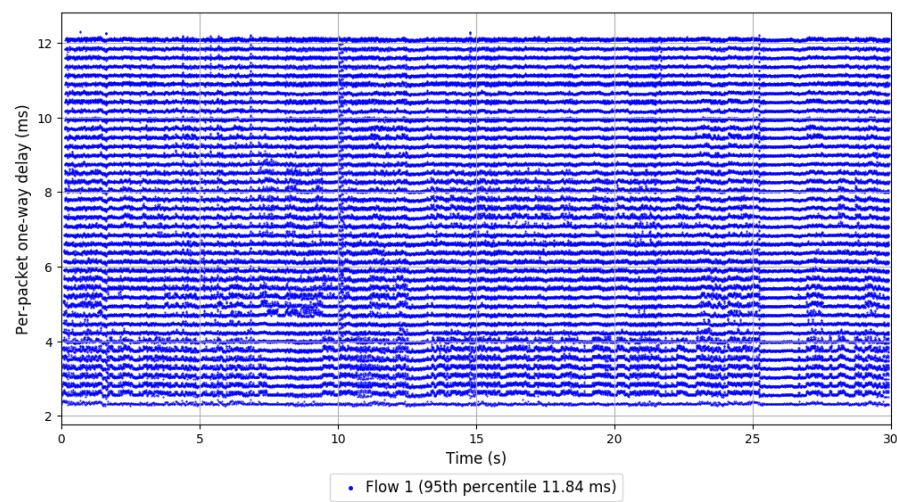
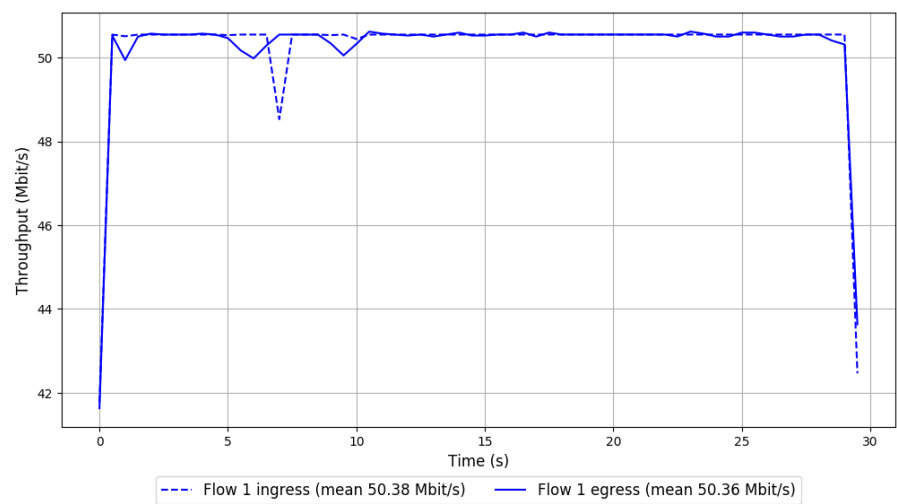


Run 1: Statistics of Sprout

Start at: 2018-02-27 14:31:55
End at: 2018-02-27 14:32:25
Local clock offset: -6.29 ms
Remote clock offset: -6.765 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.837 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

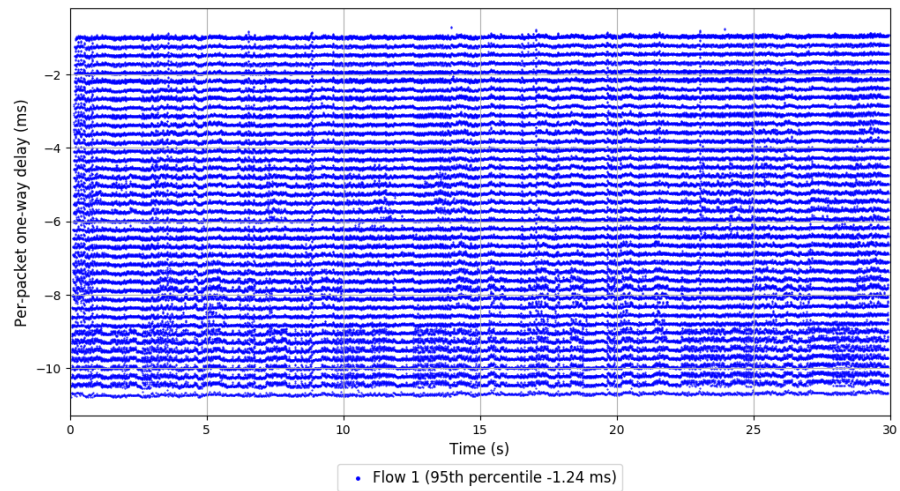
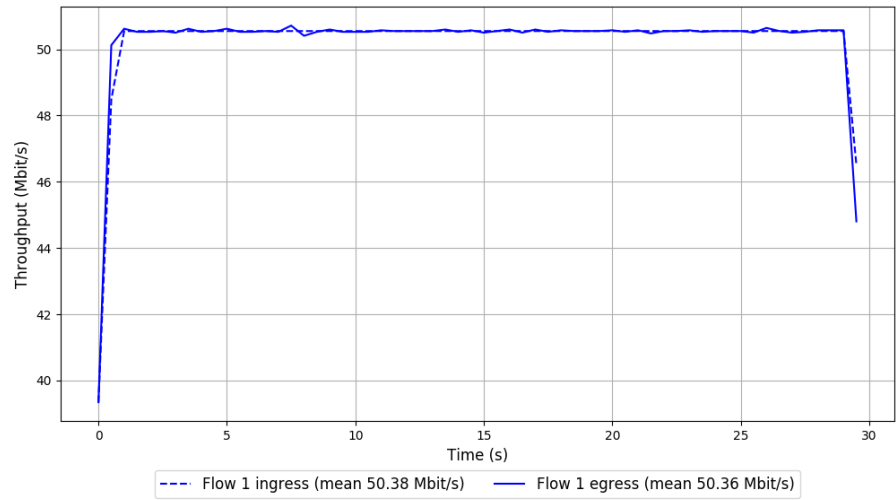


Run 2: Statistics of Sprout

Start at: 2018-02-27 14:52:15
End at: 2018-02-27 14:52:45
Local clock offset: -3.51 ms
Remote clock offset: -20.385 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: -1.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: -1.235 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

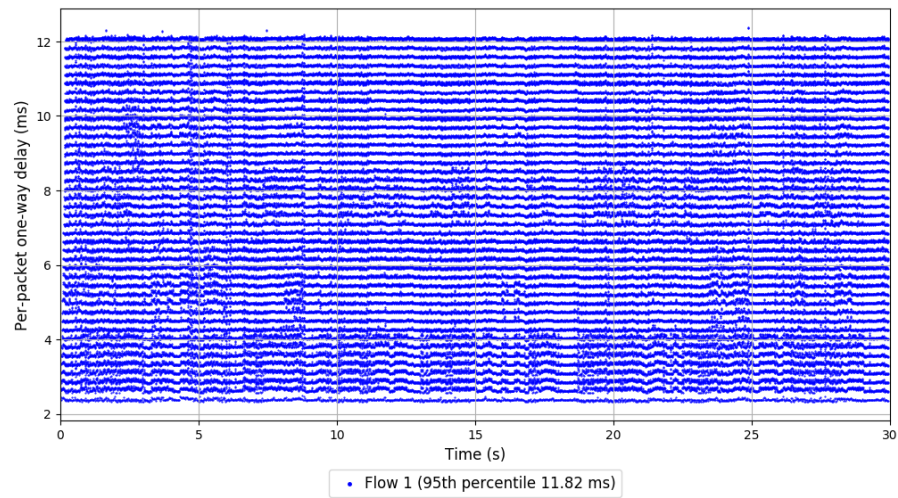
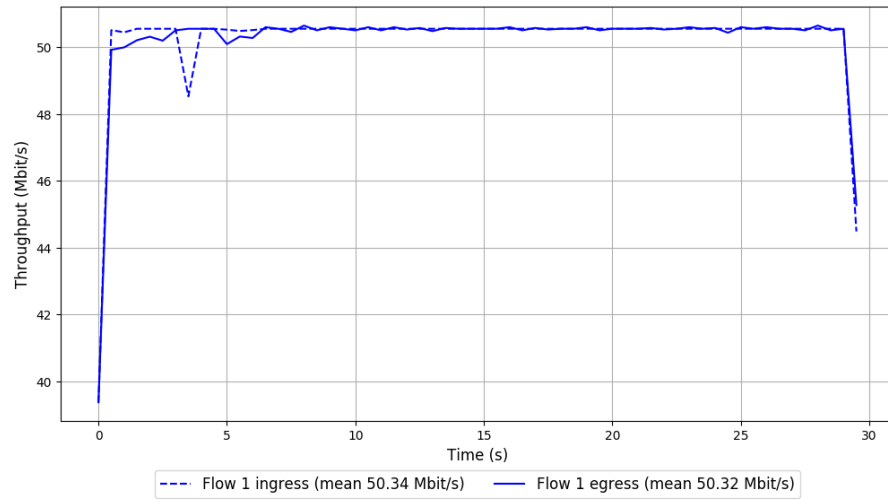


Run 3: Statistics of Sprout

Start at: 2018-02-27 15:12:32
End at: 2018-02-27 15:13:02
Local clock offset: -1.944 ms
Remote clock offset: -6.944 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 11.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 11.819 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

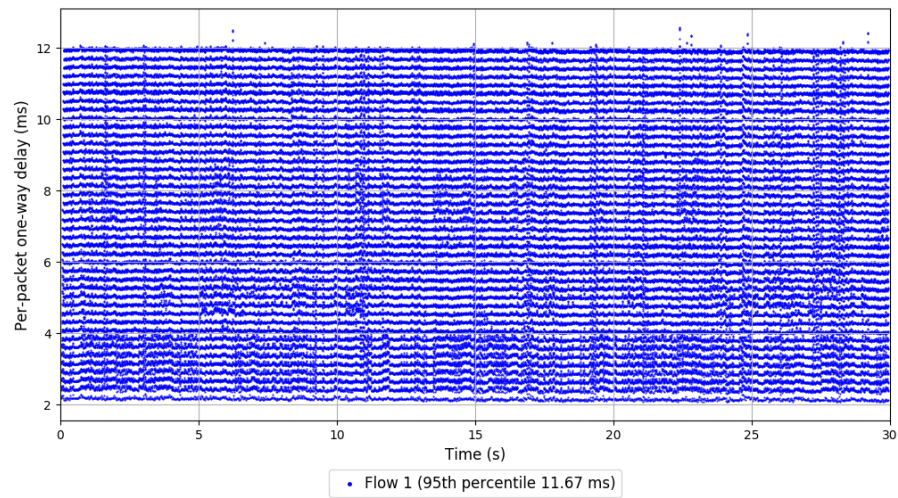
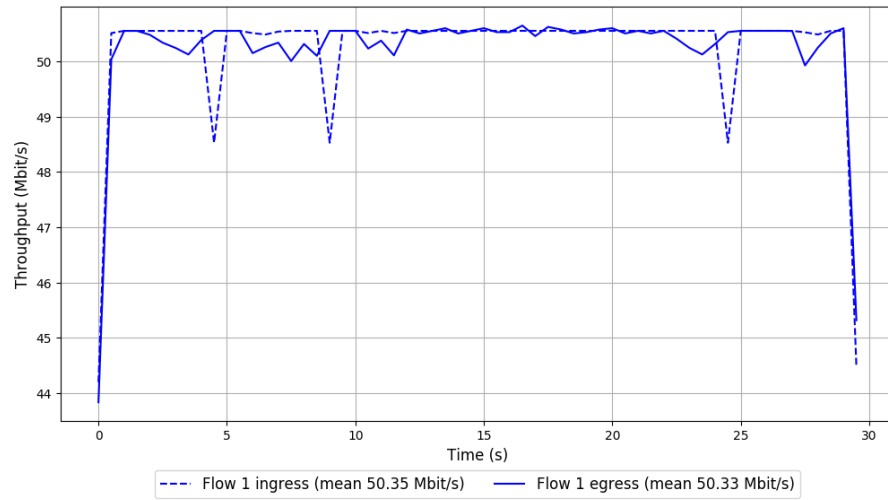


Run 4: Statistics of Sprout

Start at: 2018-02-27 15:32:46
End at: 2018-02-27 15:33:16
Local clock offset: -6.392 ms
Remote clock offset: -6.408 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 11.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 11.667 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

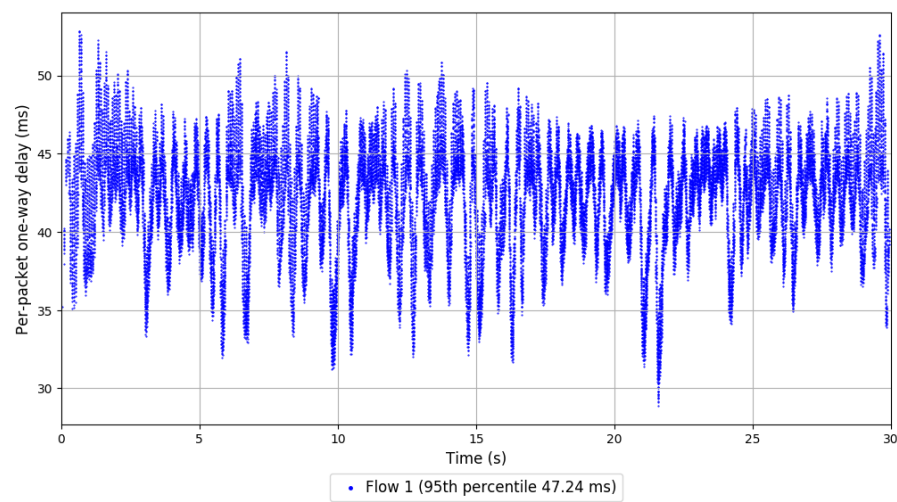
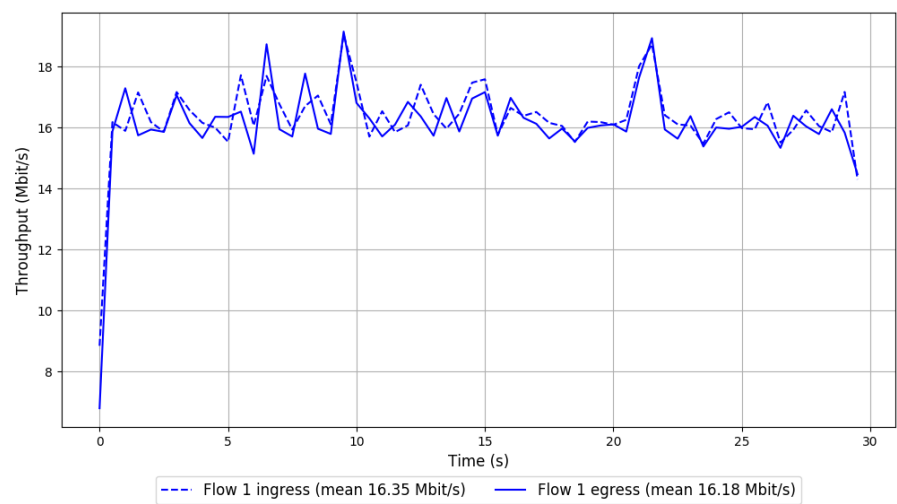


Run 5: Statistics of Sprout

Start at: 2018-02-27 15:53:04
End at: 2018-02-27 15:53:34
Local clock offset: -7.077 ms
Remote clock offset: -6.161 ms

Below is generated by plot.py at 2018-02-27 18:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 47.236 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 47.236 ms
Loss rate: 1.16%

Run 5: Report of Sprout — Data Link

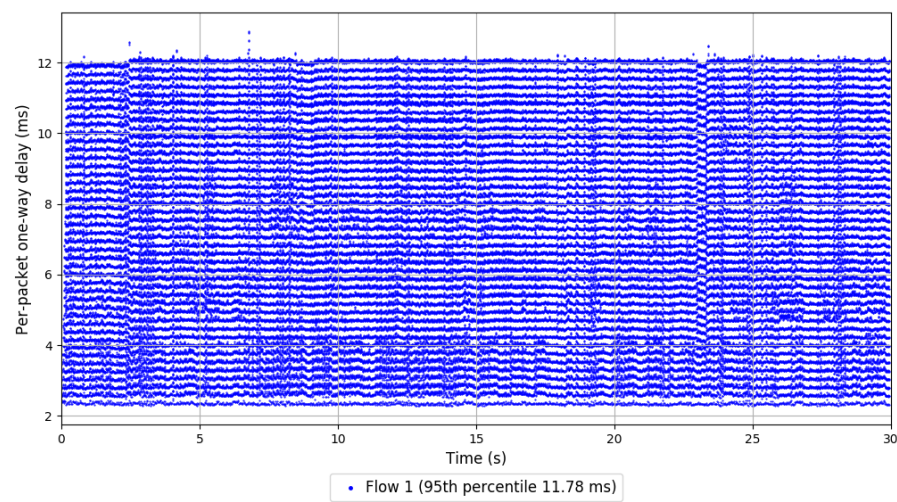
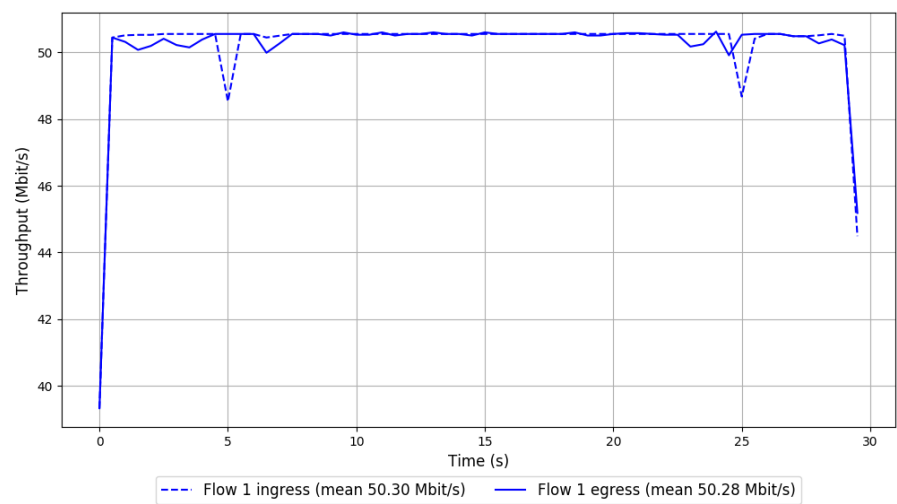


Run 6: Statistics of Sprout

Start at: 2018-02-27 16:13:32
End at: 2018-02-27 16:14:02
Local clock offset: -6.299 ms
Remote clock offset: -5.883 ms

Below is generated by plot.py at 2018-02-27 18:25:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 11.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 11.782 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

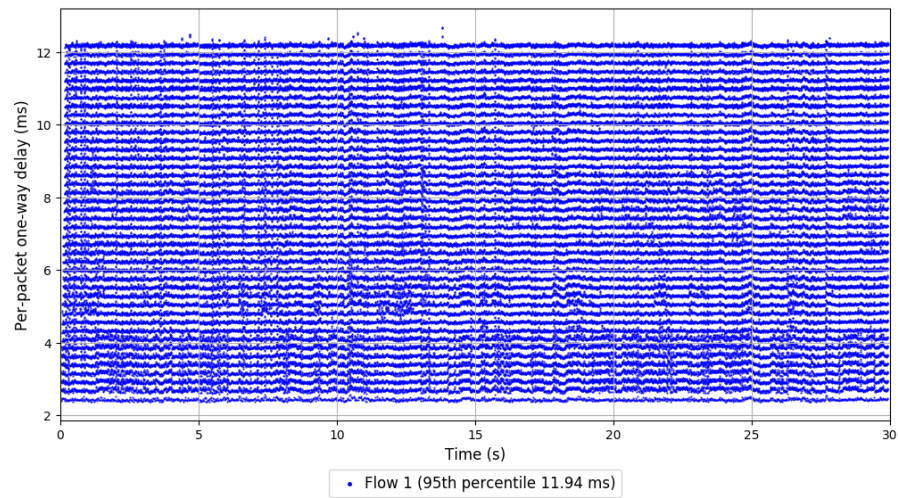
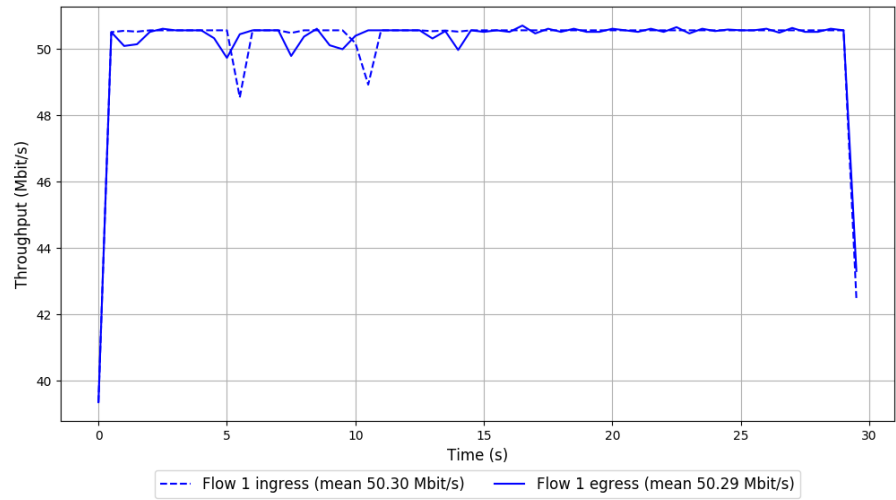


Run 7: Statistics of Sprout

Start at: 2018-02-27 16:33:51
End at: 2018-02-27 16:34:21
Local clock offset: -5.972 ms
Remote clock offset: -6.615 ms

Below is generated by plot.py at 2018-02-27 18:25:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 11.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 11.938 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

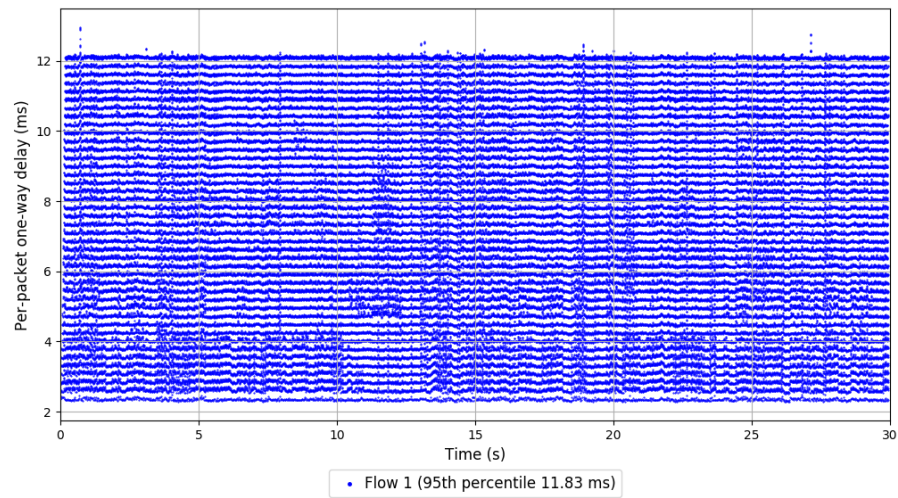
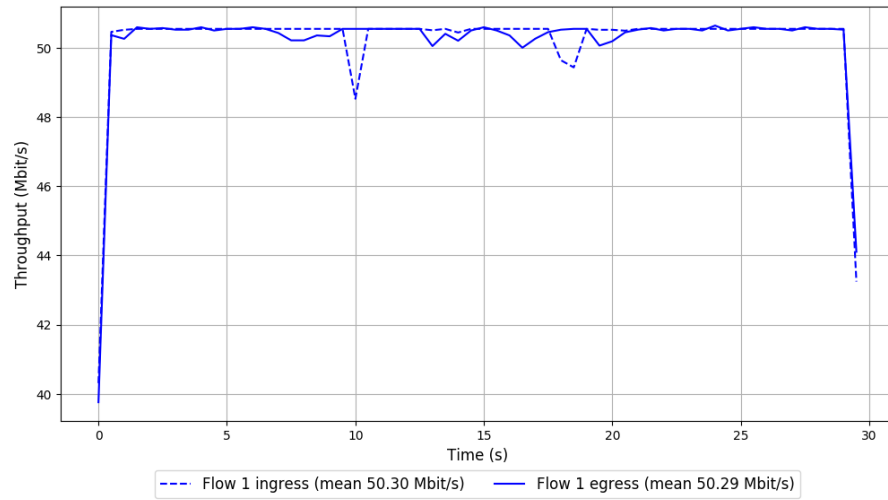


Run 8: Statistics of Sprout

Start at: 2018-02-27 16:54:15
End at: 2018-02-27 16:54:45
Local clock offset: -5.875 ms
Remote clock offset: -6.439 ms

Below is generated by plot.py at 2018-02-27 18:25:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 11.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 11.834 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

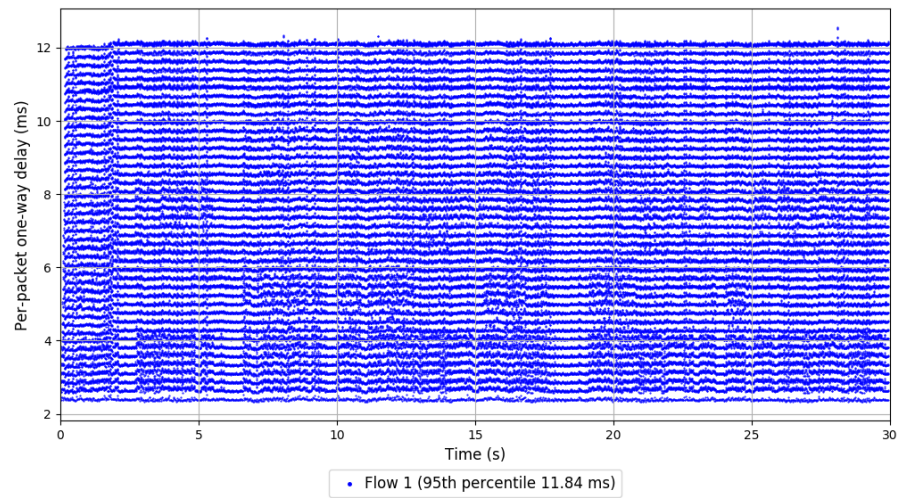
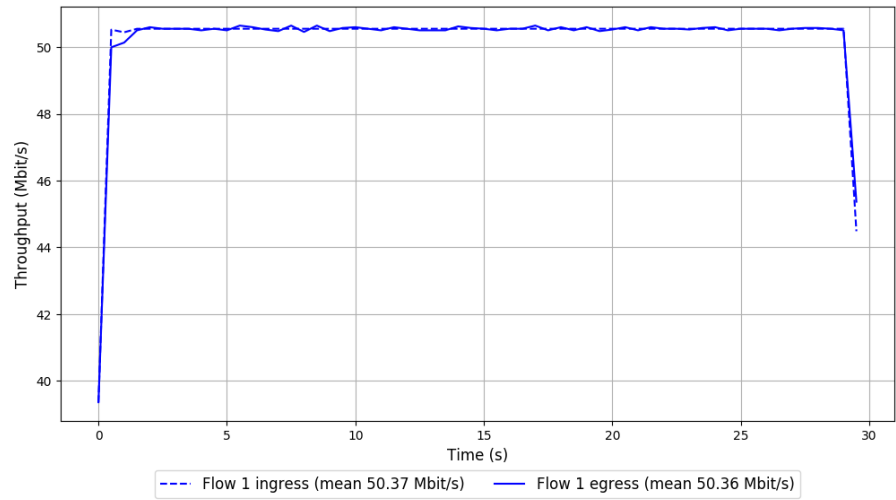


Run 9: Statistics of Sprout

Start at: 2018-02-27 17:14:36
End at: 2018-02-27 17:15:06
Local clock offset: -6.654 ms
Remote clock offset: -6.404 ms

Below is generated by plot.py at 2018-02-27 18:25:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.839 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

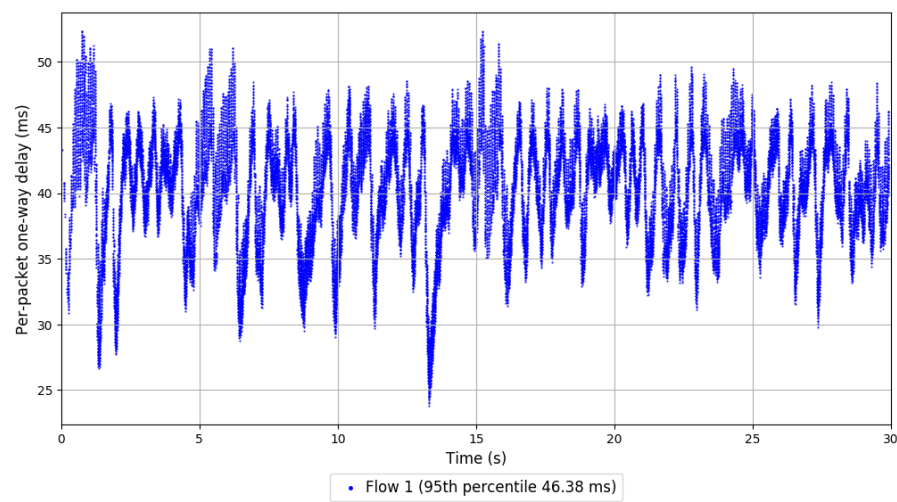
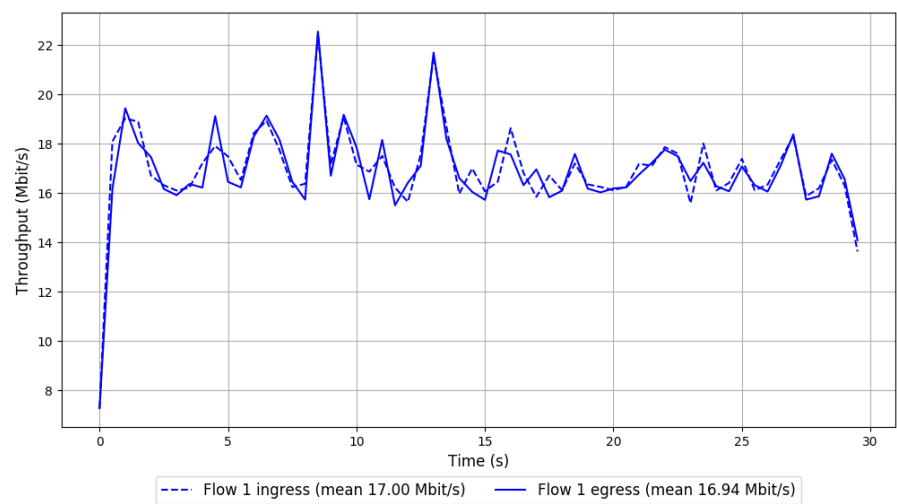


Run 10: Statistics of Sprout

Start at: 2018-02-27 17:34:48
End at: 2018-02-27 17:35:18
Local clock offset: -6.787 ms
Remote clock offset: -6.744 ms

Below is generated by plot.py at 2018-02-27 18:25:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 46.380 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 46.380 ms
Loss rate: 0.49%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-02-27 14:22:47

End at: 2018-02-27 14:23:17

Local clock offset: -6.159 ms

Remote clock offset: -6.757 ms

Below is generated by plot.py at 2018-02-27 18:27:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.71 Mbit/s

95th percentile per-packet one-way delay: 2.542 ms

Loss rate: 0.00%

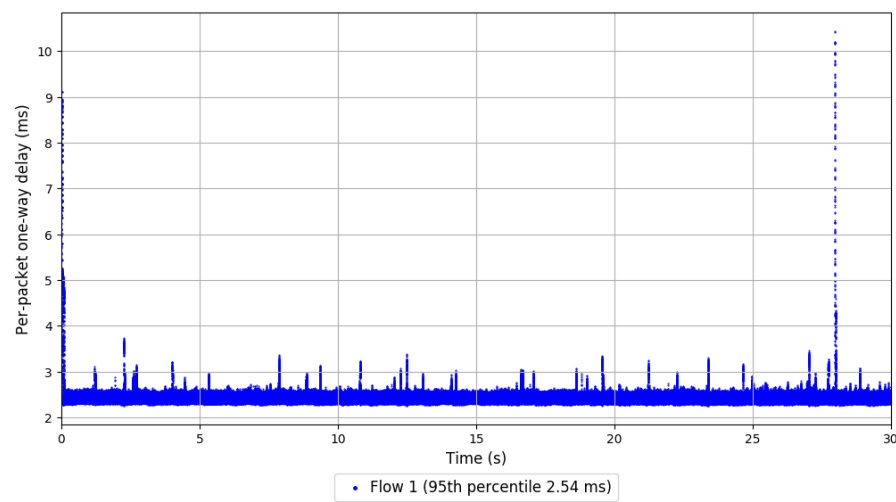
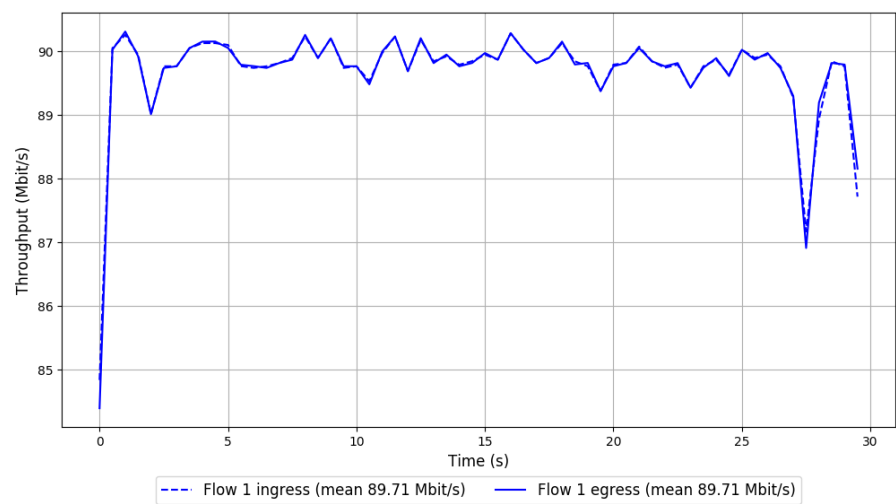
-- Flow 1:

Average throughput: 89.71 Mbit/s

95th percentile per-packet one-way delay: 2.542 ms

Loss rate: 0.00%

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

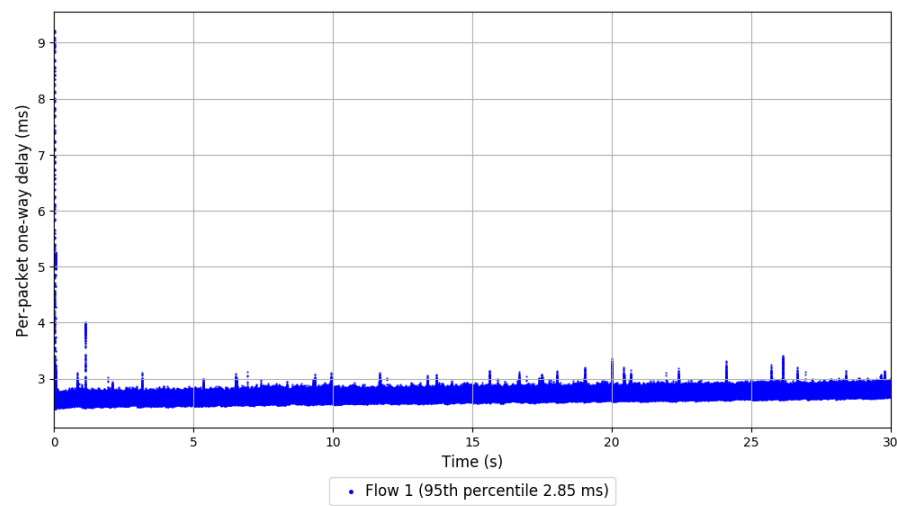
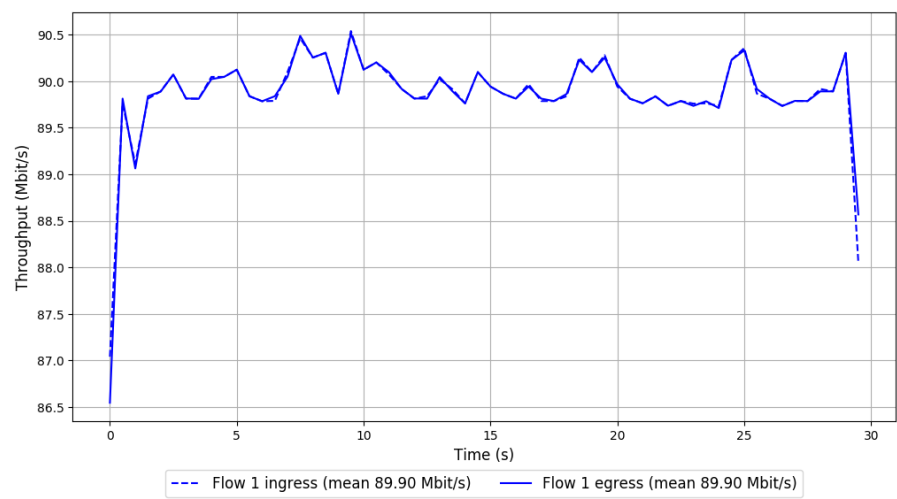


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-27 14:43:07
End at: 2018-02-27 14:43:37
Local clock offset: -5.618 ms
Remote clock offset: -7.057 ms

Below is generated by plot.py at 2018-02-27 18:27:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 2.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 2.852 ms
Loss rate: 0.00%

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

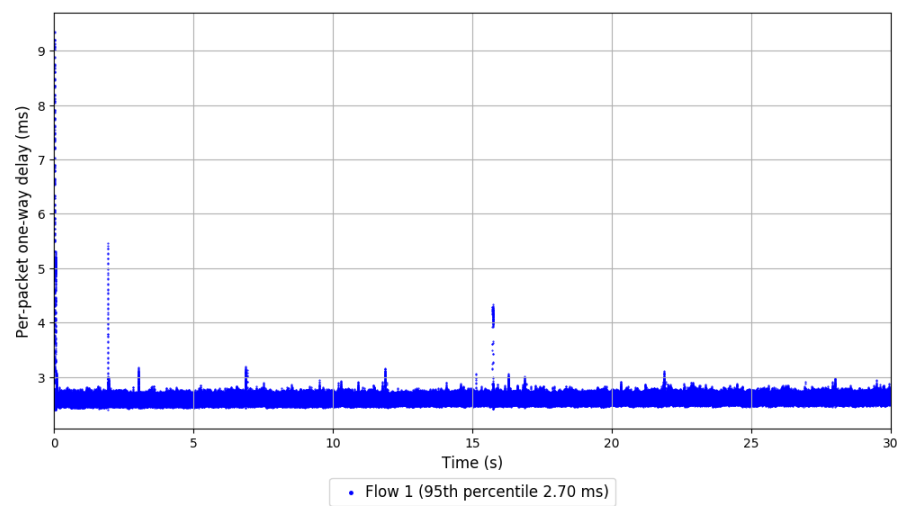
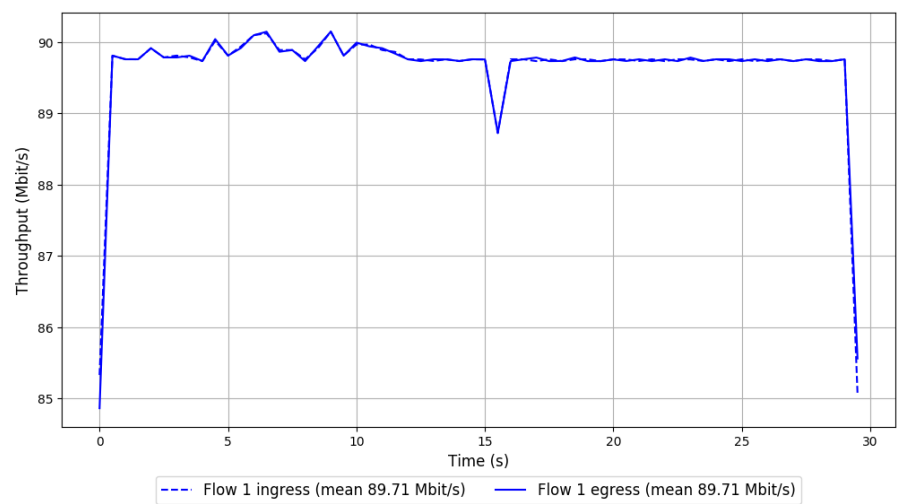


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-27 15:03:27
End at: 2018-02-27 15:03:57
Local clock offset: -2.493 ms
Remote clock offset: -7.425 ms

Below is generated by plot.py at 2018-02-27 18:27:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 2.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 2.703 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-27 15:23:45

End at: 2018-02-27 15:24:15

Local clock offset: -4.985 ms

Remote clock offset: -6.56 ms

Below is generated by plot.py at 2018-02-27 18:27:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 2.404 ms

Loss rate: 0.00%

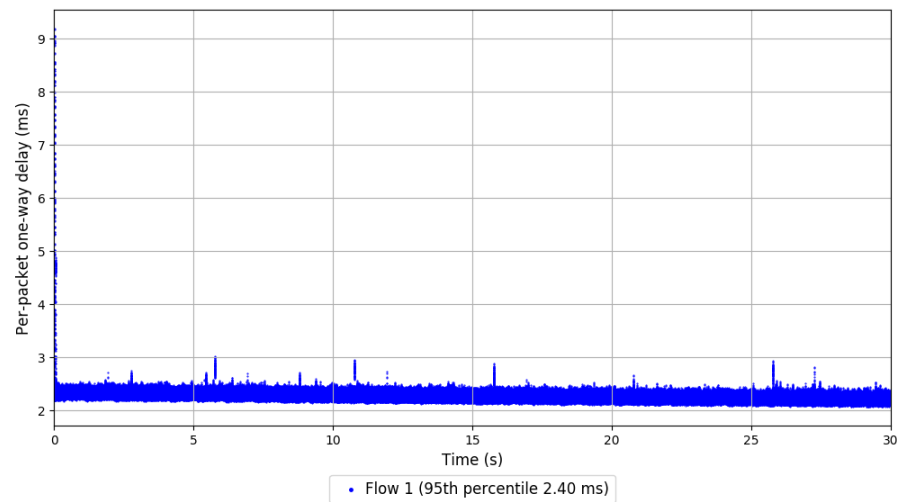
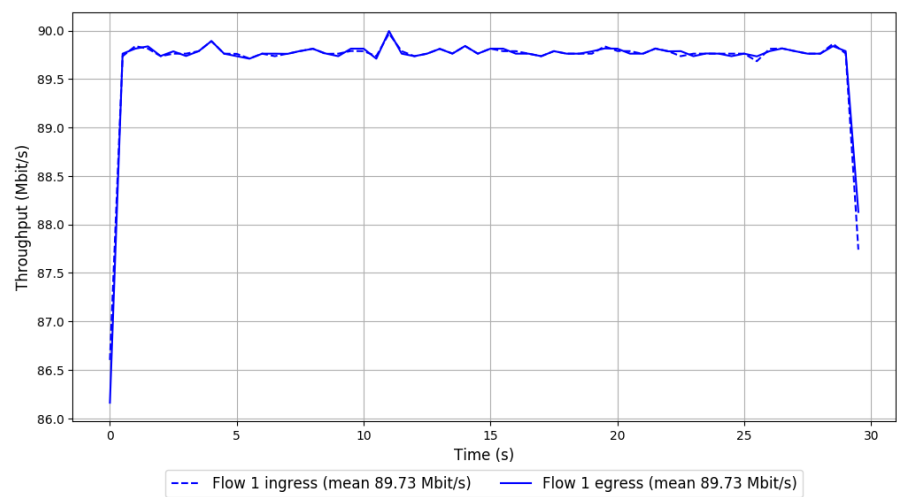
-- Flow 1:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 2.404 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-27 15:43:56

End at: 2018-02-27 15:44:26

Local clock offset: -7.421 ms

Remote clock offset: -6.21 ms

Below is generated by plot.py at 2018-02-27 18:27:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.60 Mbit/s

95th percentile per-packet one-way delay: 2.534 ms

Loss rate: 0.00%

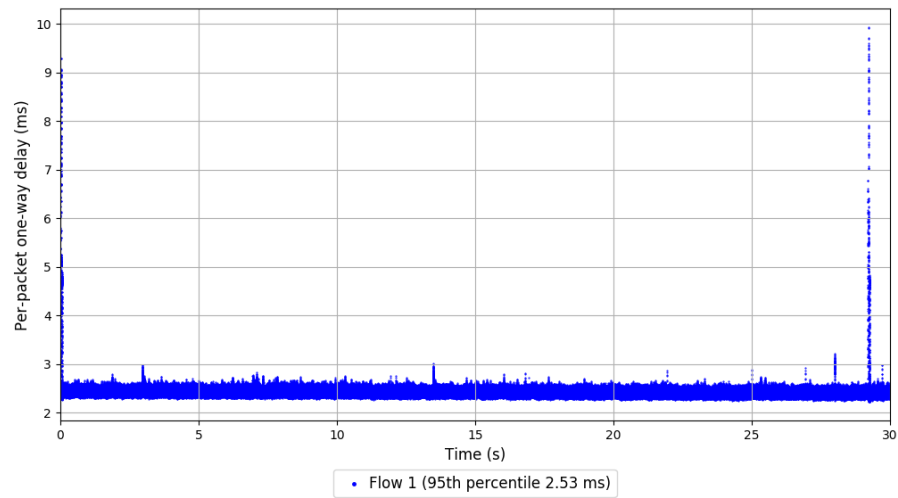
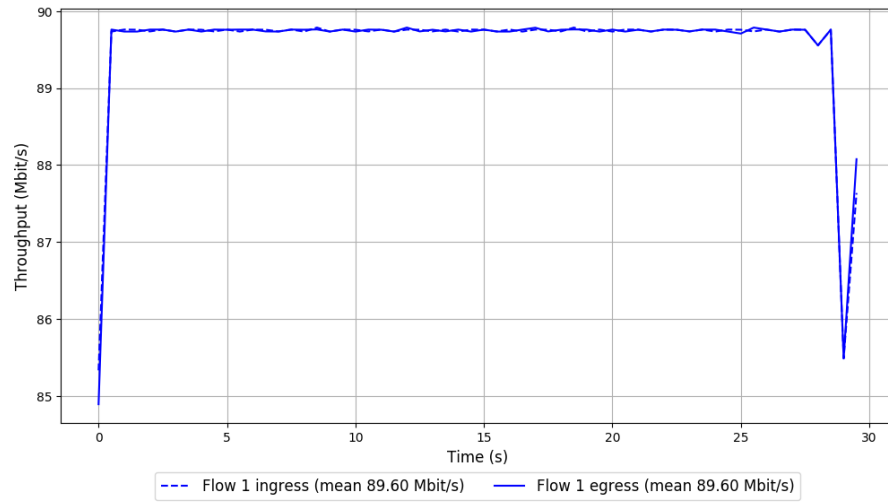
-- Flow 1:

Average throughput: 89.60 Mbit/s

95th percentile per-packet one-way delay: 2.534 ms

Loss rate: 0.00%

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

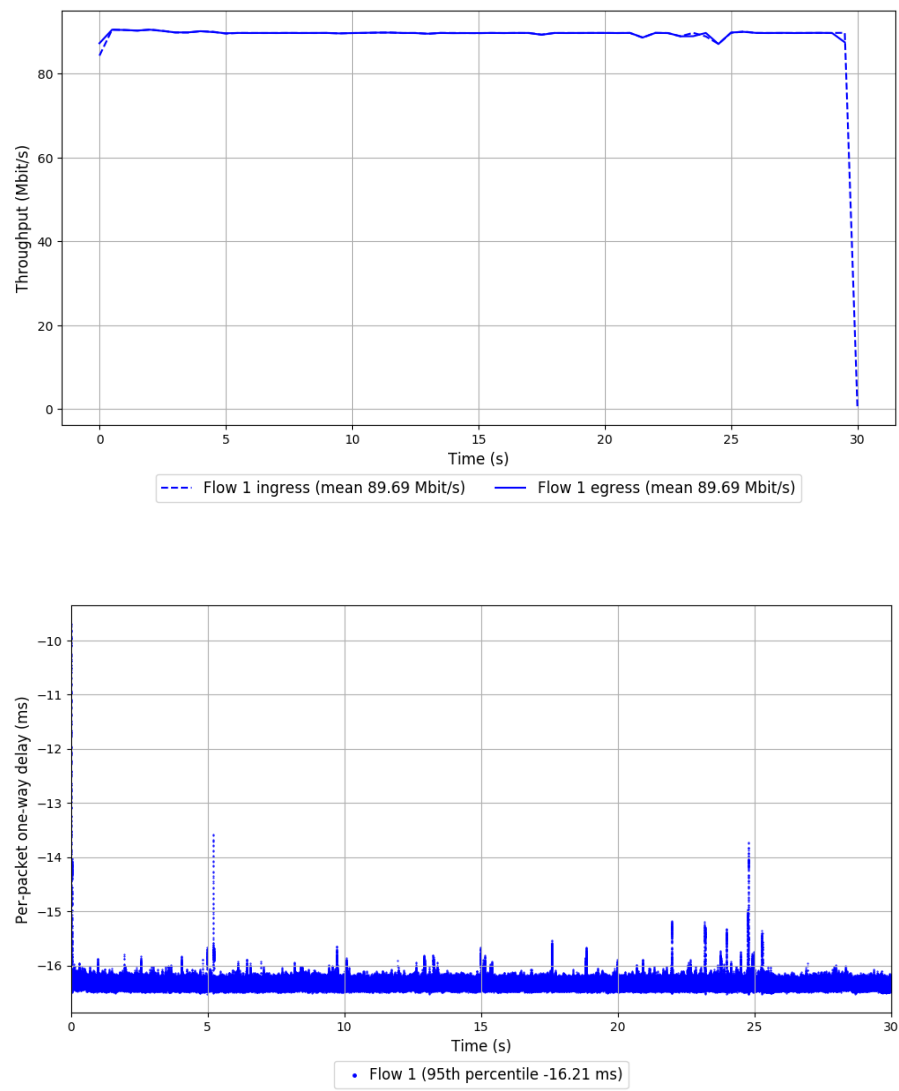


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-27 16:04:23
End at: 2018-02-27 16:04:54
Local clock offset: -6.325 ms
Remote clock offset: -24.784 ms

Below is generated by plot.py at 2018-02-27 18:27:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: -16.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: -16.215 ms
Loss rate: 0.00%

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

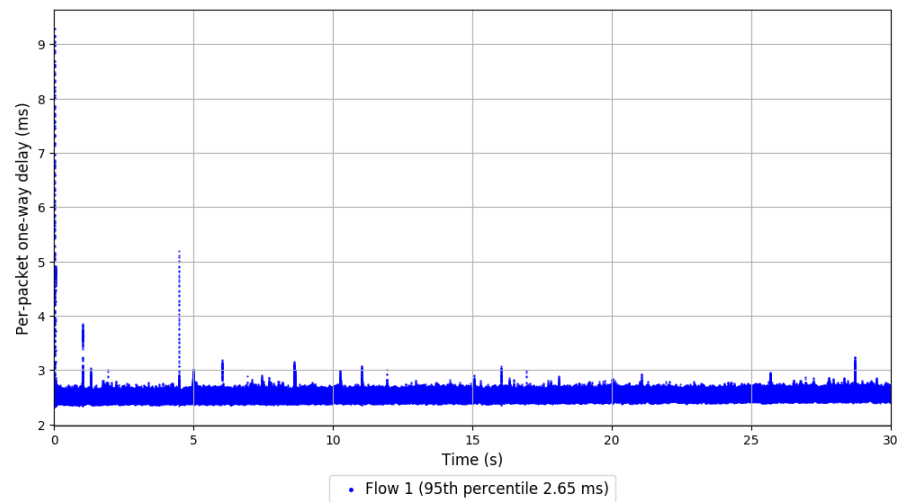
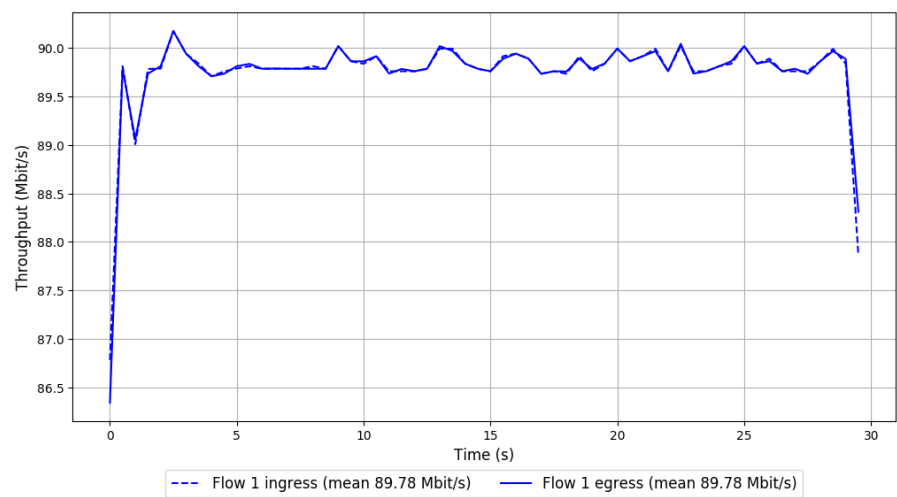


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-27 16:24:43
End at: 2018-02-27 16:25:13
Local clock offset: -6.332 ms
Remote clock offset: -6.495 ms

Below is generated by plot.py at 2018-02-27 18:27:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 2.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 2.651 ms
Loss rate: 0.00%

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

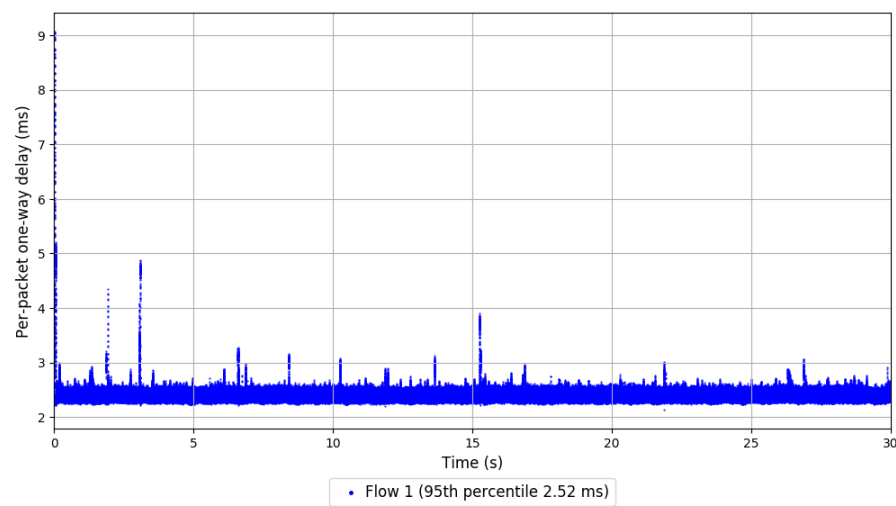
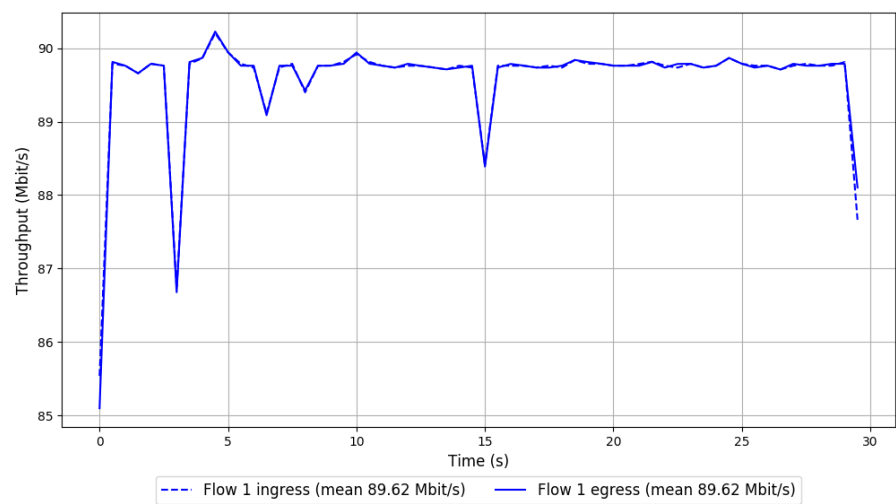


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-27 16:45:07
End at: 2018-02-27 16:45:37
Local clock offset: -5.812 ms
Remote clock offset: -6.609 ms

Below is generated by plot.py at 2018-02-27 18:27:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.00%

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

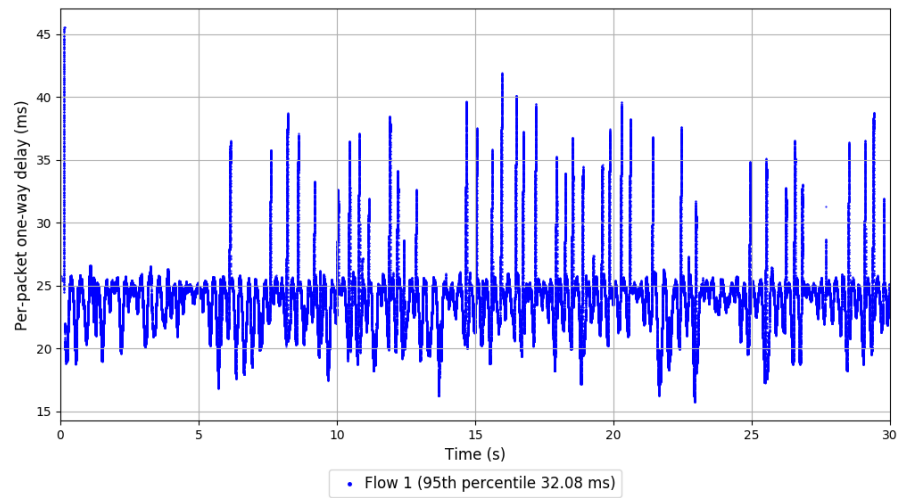
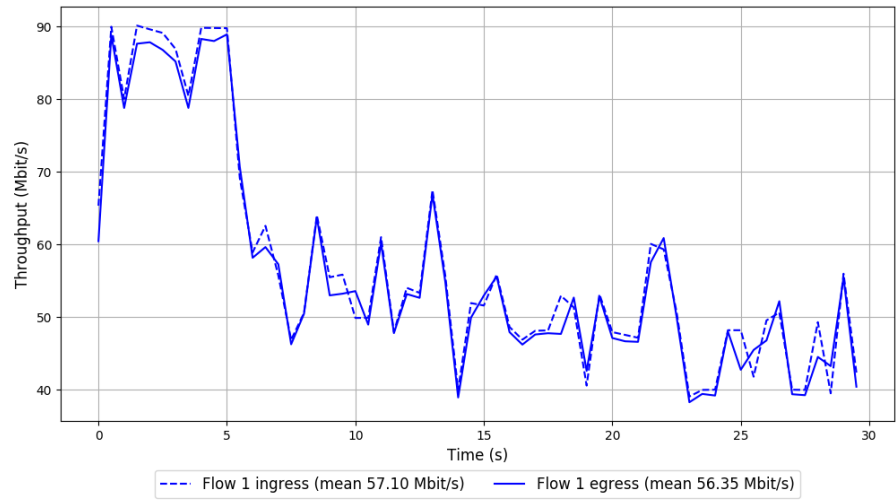


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-27 17:05:30
End at: 2018-02-27 17:06:00
Local clock offset: -6.3 ms
Remote clock offset: -24.588 ms

Below is generated by plot.py at 2018-02-27 18:28:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 32.077 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 32.077 ms
Loss rate: 1.45%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-27 17:25:43

End at: 2018-02-27 17:26:13

Local clock offset: -6.878 ms

Remote clock offset: -24.416 ms

Below is generated by plot.py at 2018-02-27 18:28:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.55 Mbit/s

95th percentile per-packet one-way delay: 31.687 ms

Loss rate: 1.59%

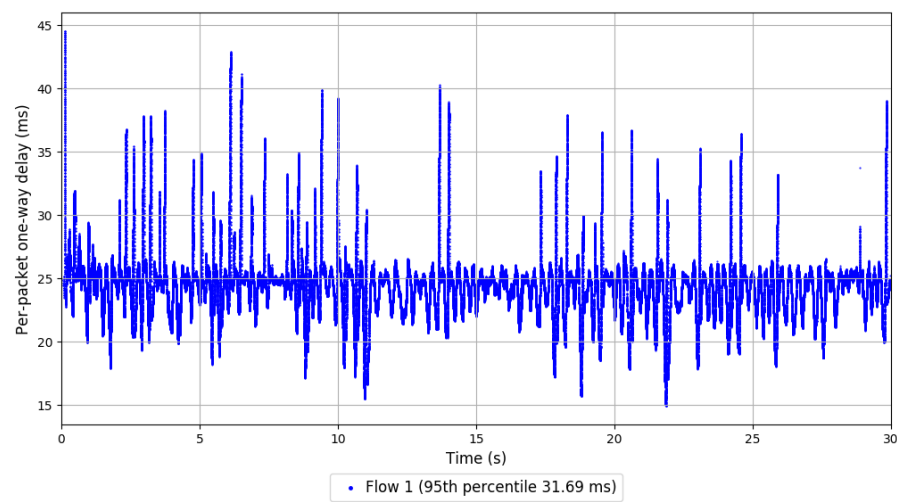
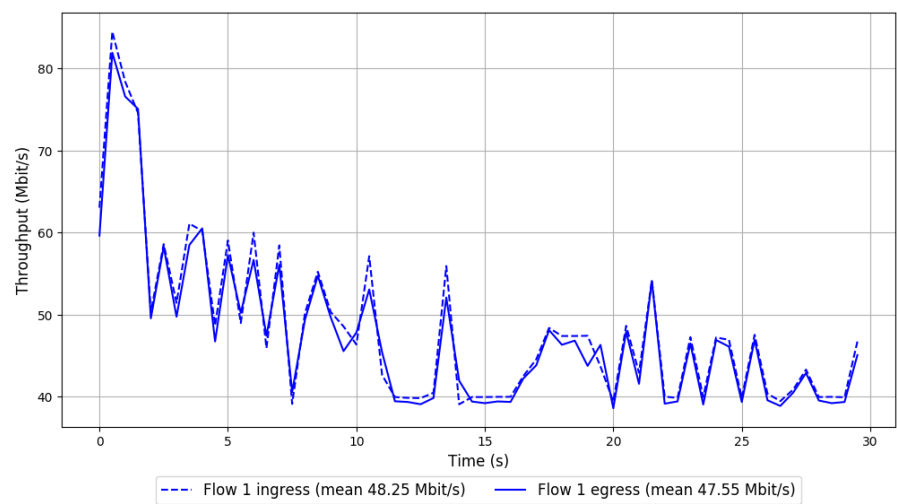
-- Flow 1:

Average throughput: 47.55 Mbit/s

95th percentile per-packet one-way delay: 31.687 ms

Loss rate: 1.59%

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

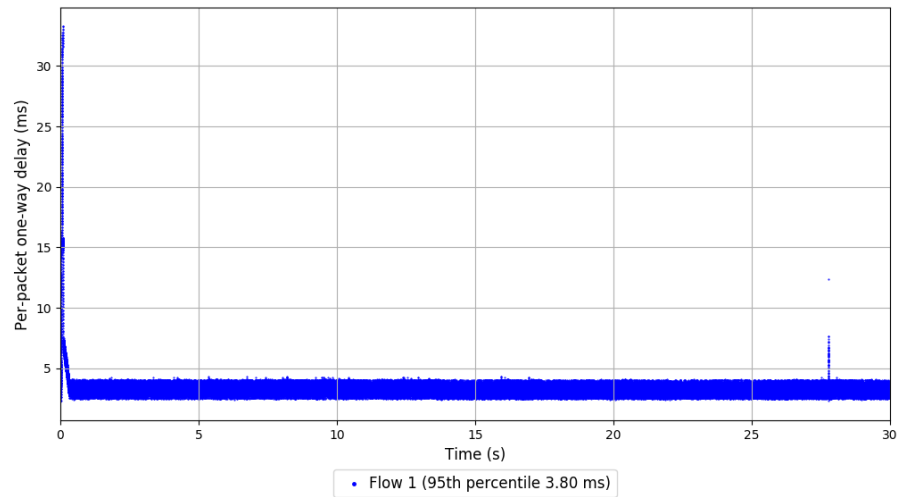
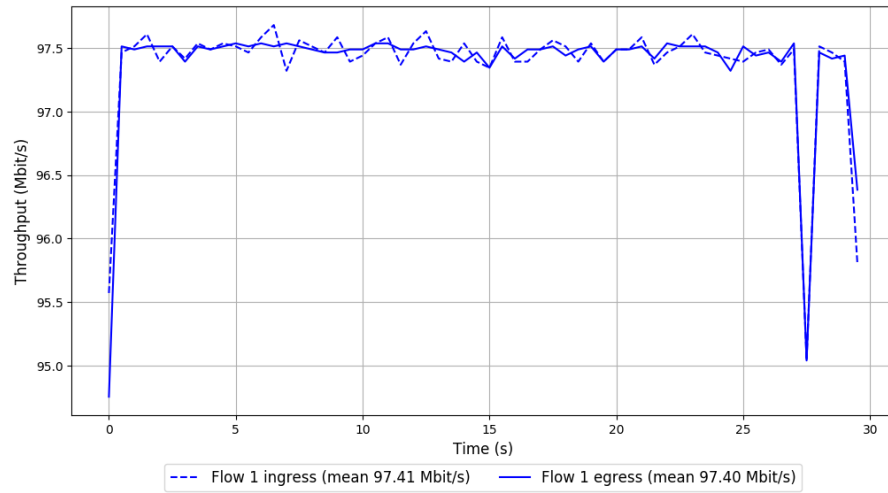


Run 1: Statistics of TCP Vegas

Start at: 2018-02-27 14:28:30
End at: 2018-02-27 14:29:00
Local clock offset: -6.309 ms
Remote clock offset: -6.781 ms

Below is generated by plot.py at 2018-02-27 18:28:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 3.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 3.802 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-27 14:48:50

End at: 2018-02-27 14:49:20

Local clock offset: -4.073 ms

Remote clock offset: -7.14 ms

Below is generated by plot.py at 2018-02-27 18:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 3.935 ms

Loss rate: 0.00%

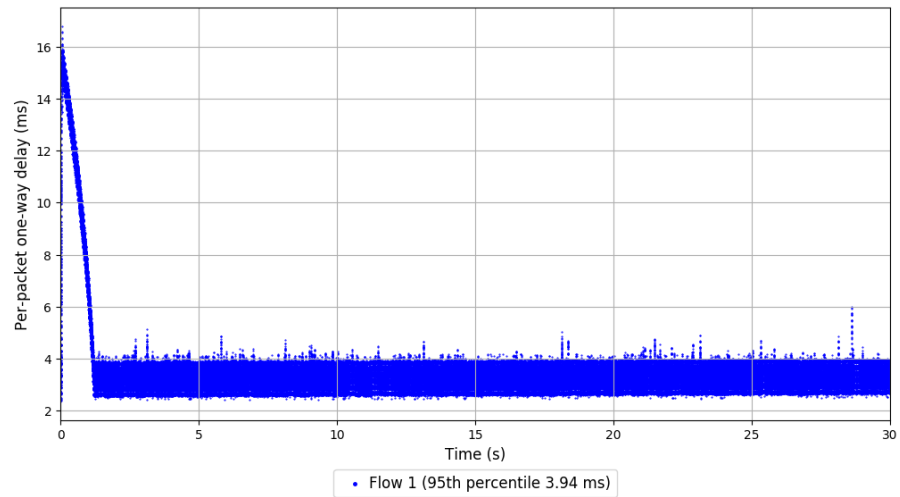
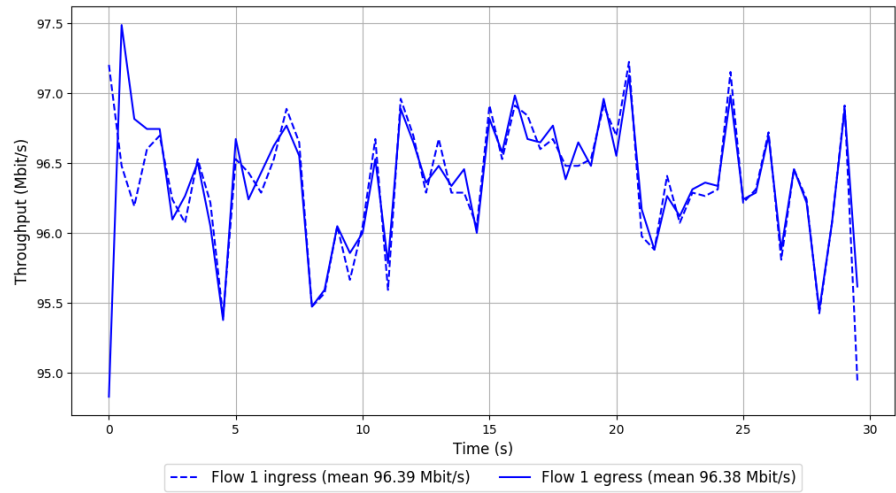
-- Flow 1:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 3.935 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

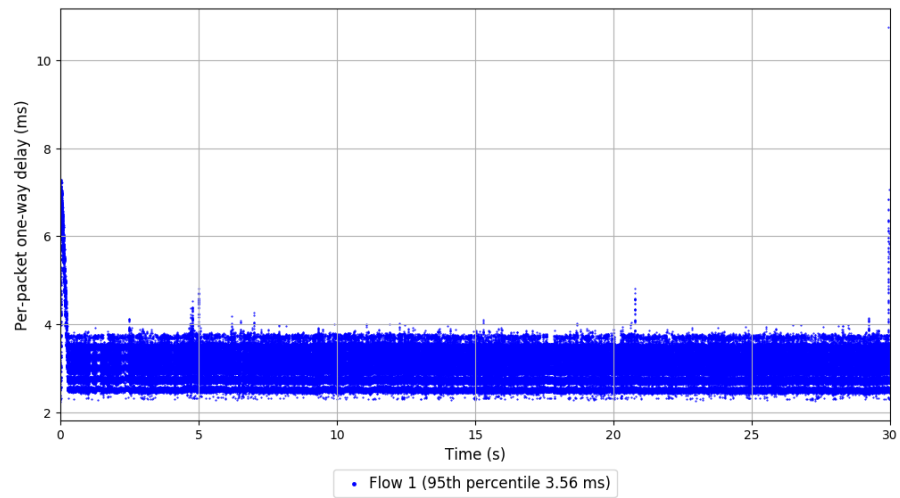
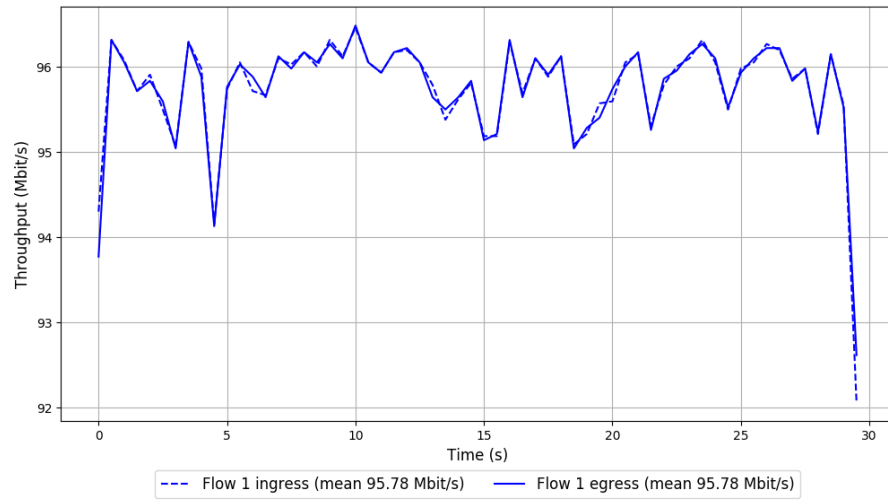


Run 3: Statistics of TCP Vegas

Start at: 2018-02-27 15:09:11
End at: 2018-02-27 15:09:41
Local clock offset: -2.068 ms
Remote clock offset: -7.211 ms

Below is generated by plot.py at 2018-02-27 18:29:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 3.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 3.560 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

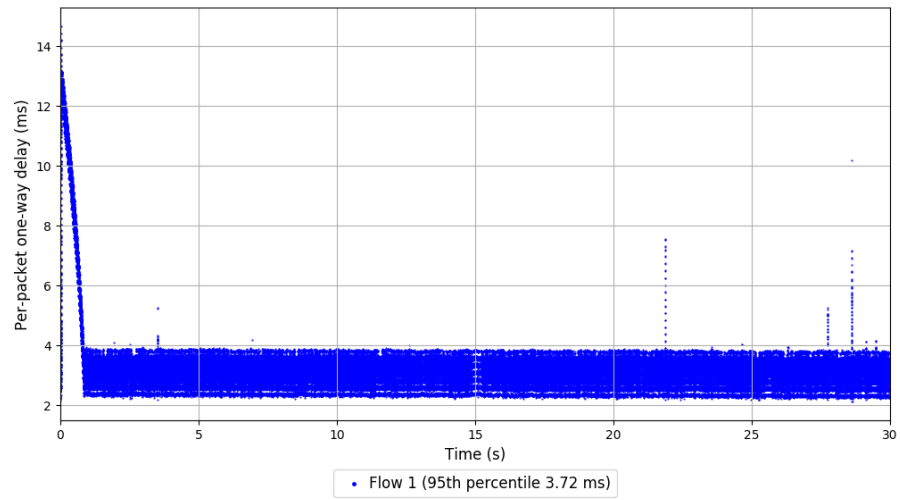
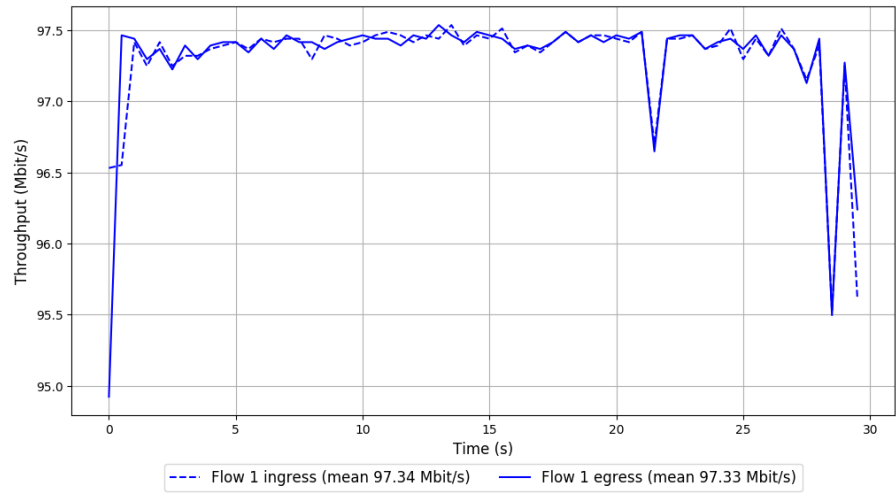


Run 4: Statistics of TCP Vegas

Start at: 2018-02-27 15:29:21
End at: 2018-02-27 15:29:51
Local clock offset: -5.989 ms
Remote clock offset: -6.443 ms

Below is generated by plot.py at 2018-02-27 18:29:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 3.717 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 3.717 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

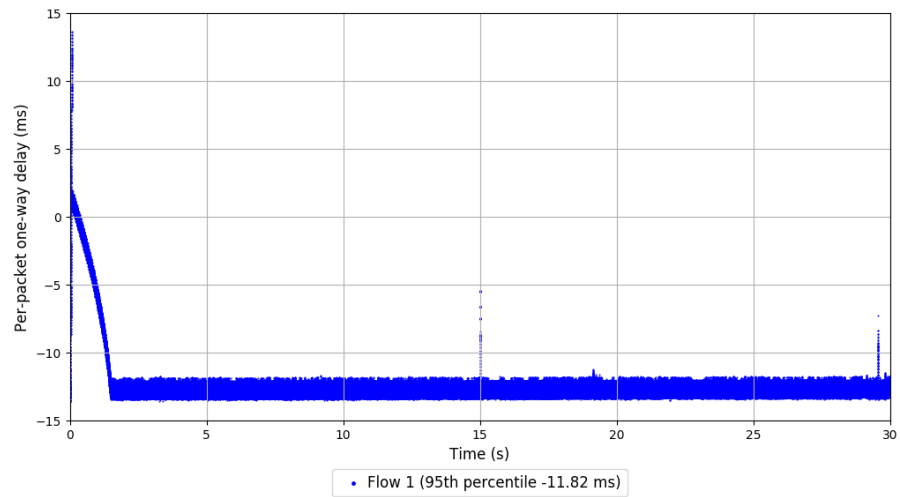
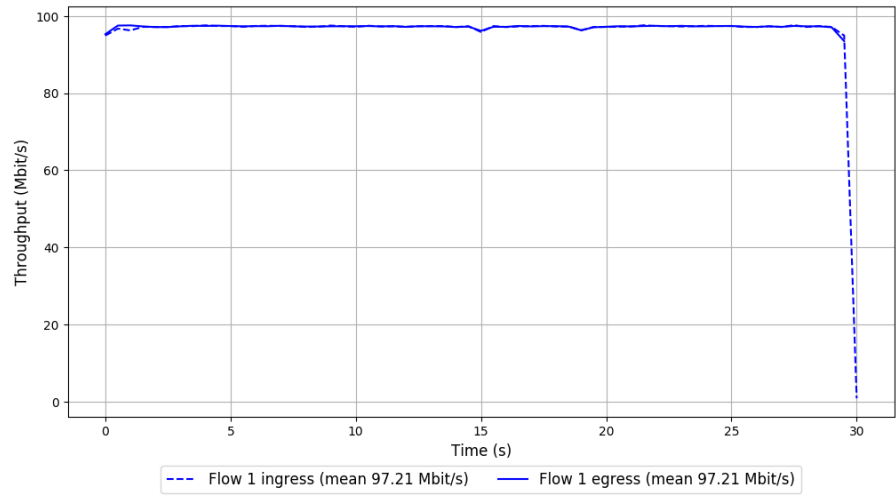


Run 5: Statistics of TCP Vegas

Start at: 2018-02-27 15:49:39
End at: 2018-02-27 15:50:09
Local clock offset: -7.65 ms
Remote clock offset: -22.077 ms

Below is generated by plot.py at 2018-02-27 18:29:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: -11.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: -11.820 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

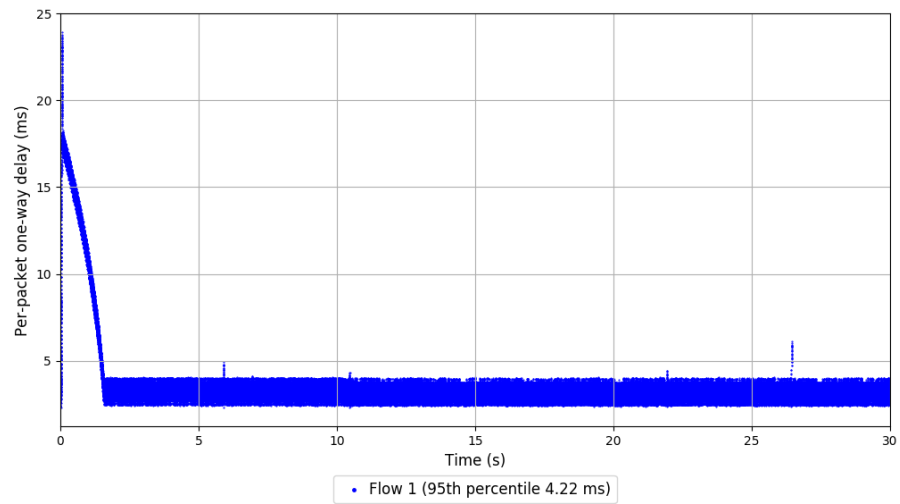
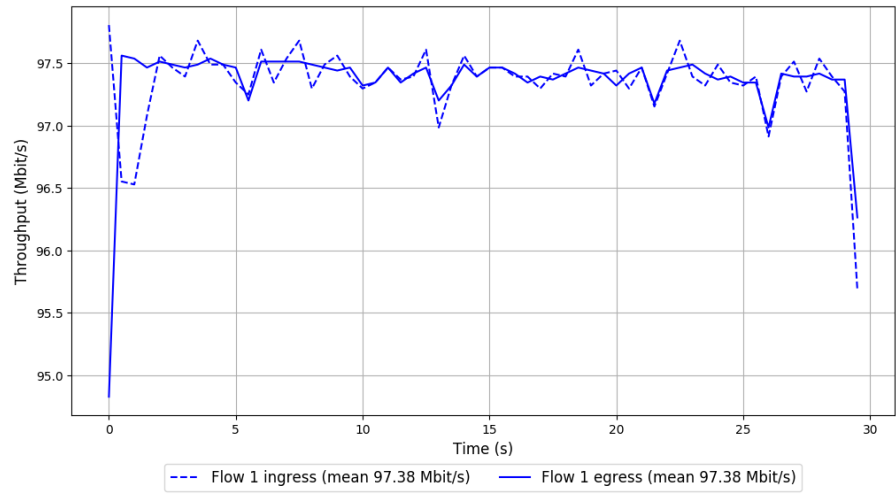


Run 6: Statistics of TCP Vegas

Start at: 2018-02-27 16:10:07
End at: 2018-02-27 16:10:37
Local clock offset: -6.269 ms
Remote clock offset: -5.902 ms

Below is generated by plot.py at 2018-02-27 18:29:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 4.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 4.224 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

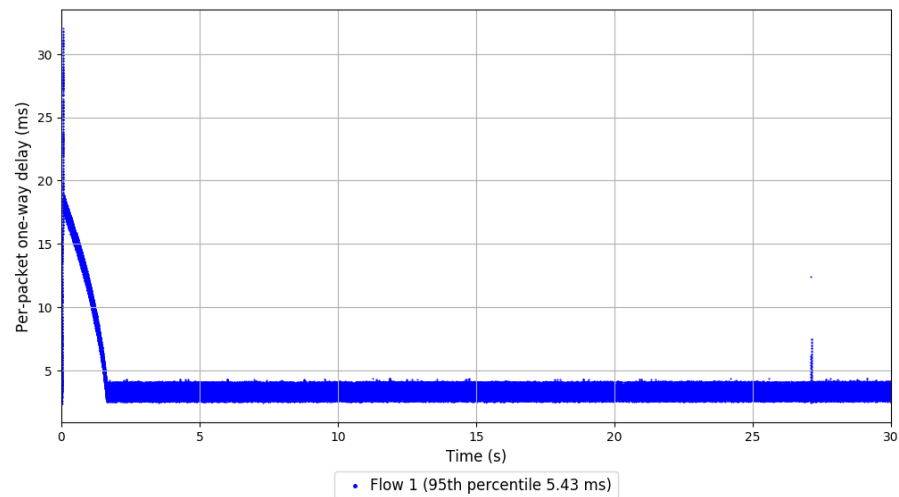
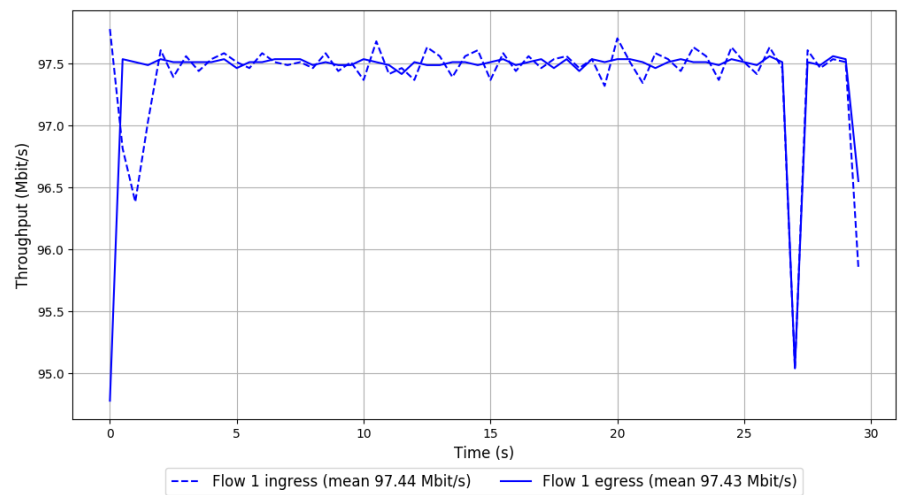


Run 7: Statistics of TCP Vegas

Start at: 2018-02-27 16:30:26
End at: 2018-02-27 16:30:56
Local clock offset: -6.082 ms
Remote clock offset: -6.615 ms

Below is generated by plot.py at 2018-02-27 18:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.434 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

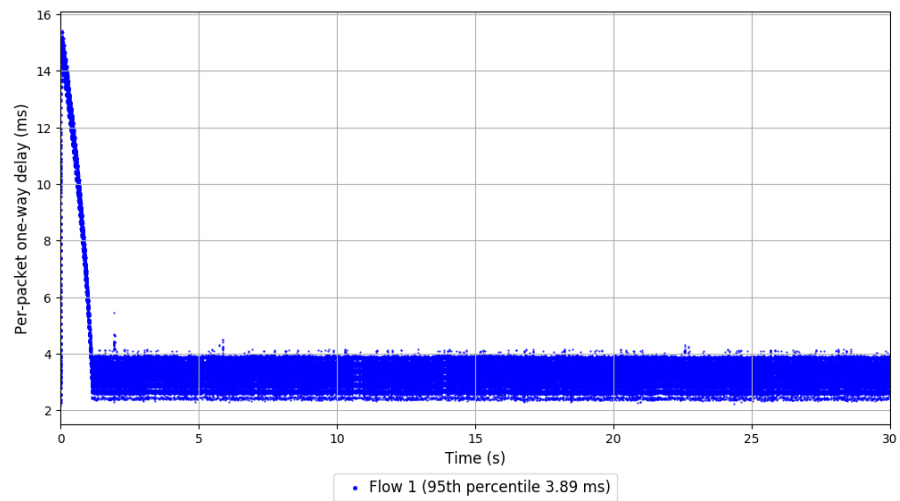
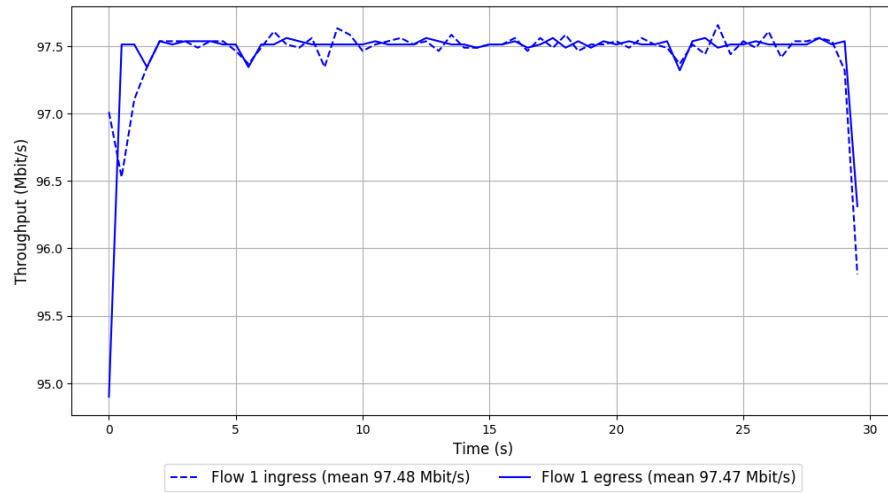


Run 8: Statistics of TCP Vegas

Start at: 2018-02-27 16:50:50
End at: 2018-02-27 16:51:20
Local clock offset: -5.828 ms
Remote clock offset: -6.568 ms

Below is generated by plot.py at 2018-02-27 18:30:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.889 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

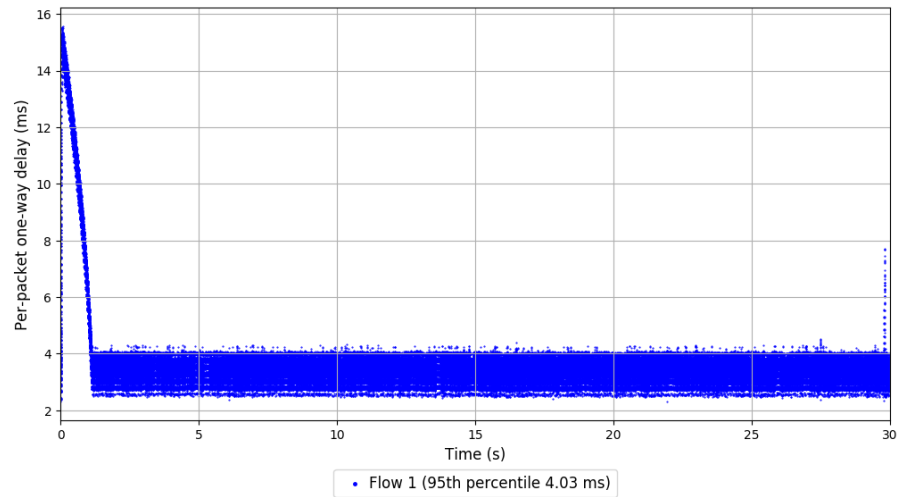
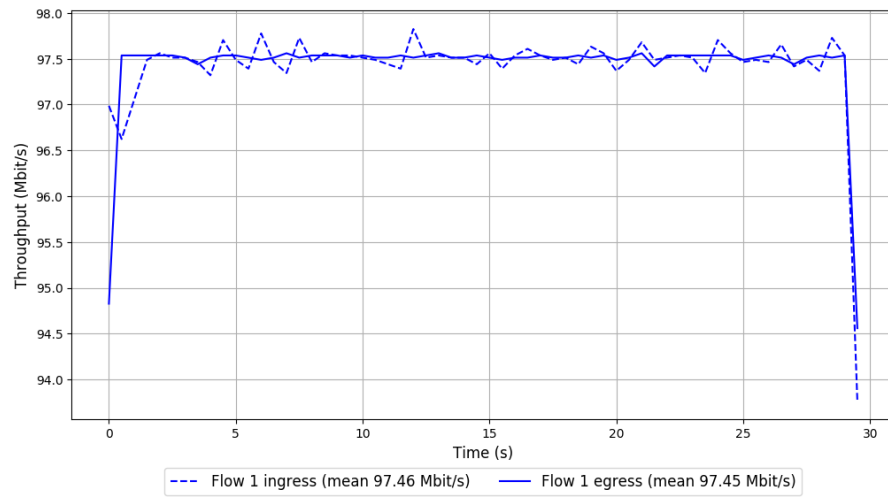


Run 9: Statistics of TCP Vegas

Start at: 2018-02-27 17:11:11
End at: 2018-02-27 17:11:41
Local clock offset: -6.568 ms
Remote clock offset: -6.421 ms

Below is generated by plot.py at 2018-02-27 18:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 4.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 4.026 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

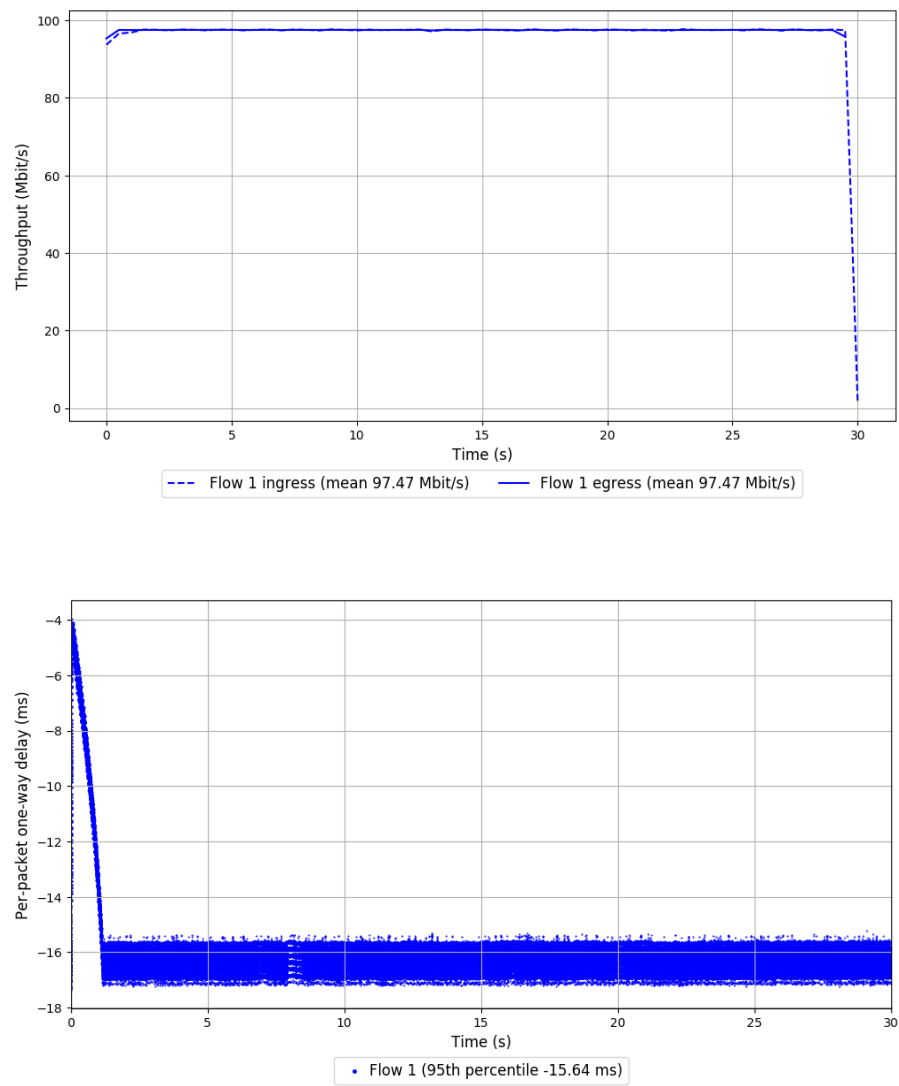


Run 10: Statistics of TCP Vegas

Start at: 2018-02-27 17:31:23
End at: 2018-02-27 17:31:53
Local clock offset: -6.894 ms
Remote clock offset: -26.282 ms

Below is generated by plot.py at 2018-02-27 18:30:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: -15.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: -15.640 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

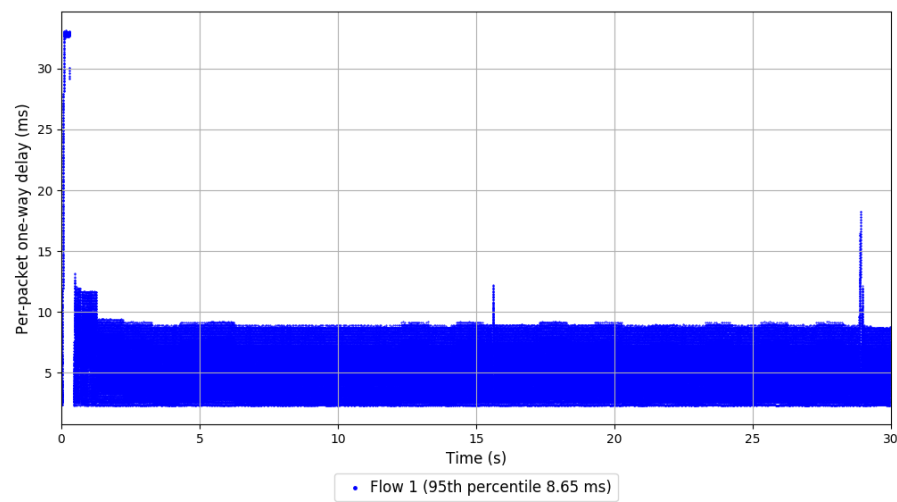
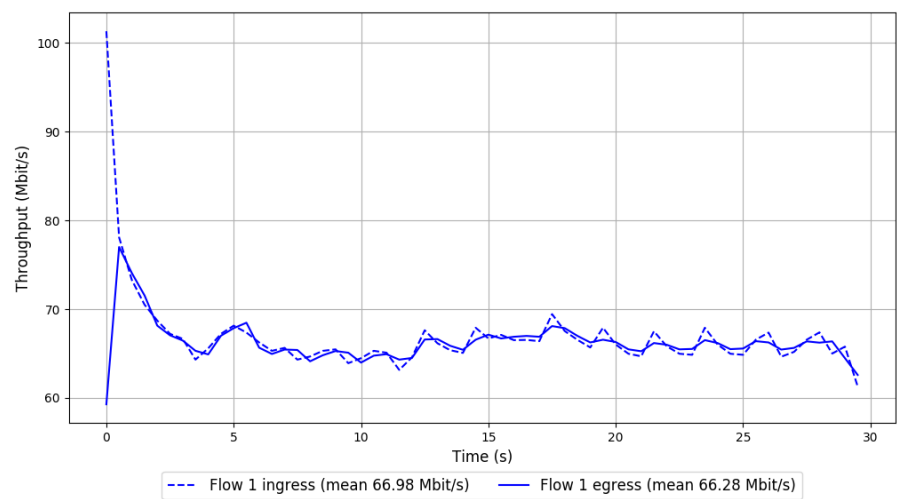


Run 1: Statistics of Verus

Start at: 2018-02-27 14:26:16
End at: 2018-02-27 14:26:46
Local clock offset: -6.194 ms
Remote clock offset: -6.706 ms

Below is generated by plot.py at 2018-02-27 18:30:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 8.648 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 8.648 ms
Loss rate: 1.03%

Run 1: Report of Verus — Data Link

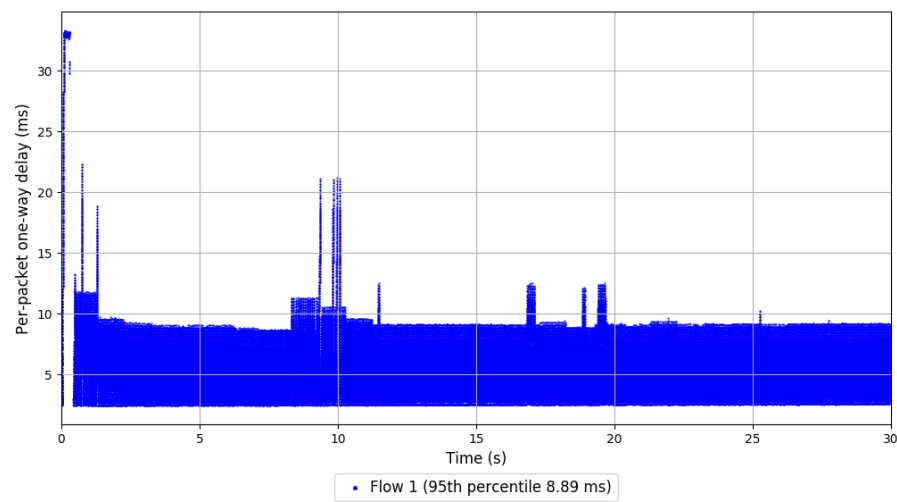
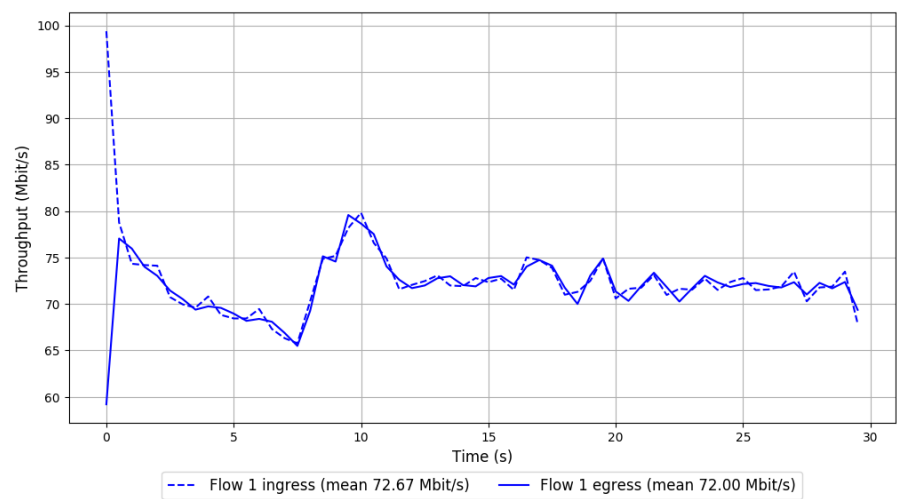


Run 2: Statistics of Verus

Start at: 2018-02-27 14:46:36
End at: 2018-02-27 14:47:06
Local clock offset: -4.547 ms
Remote clock offset: -7.081 ms

Below is generated by plot.py at 2018-02-27 18:30:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.00 Mbit/s
95th percentile per-packet one-way delay: 8.893 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 72.00 Mbit/s
95th percentile per-packet one-way delay: 8.893 ms
Loss rate: 0.92%

Run 2: Report of Verus — Data Link

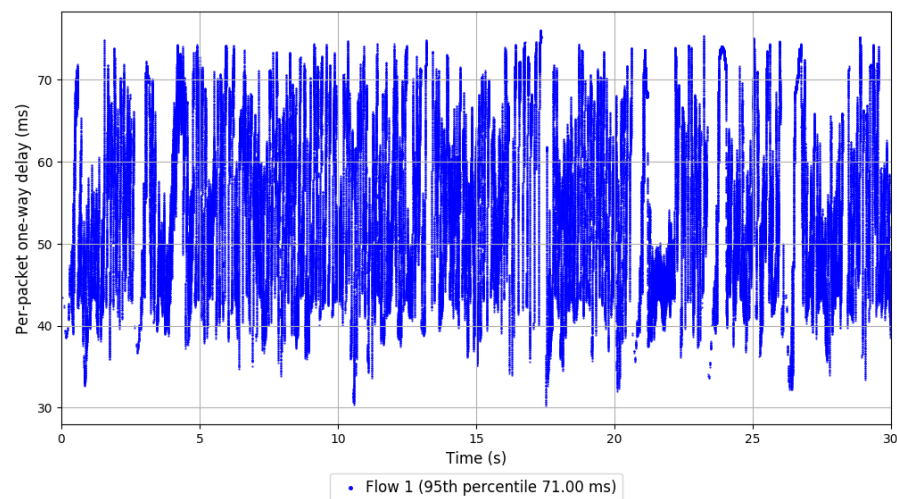
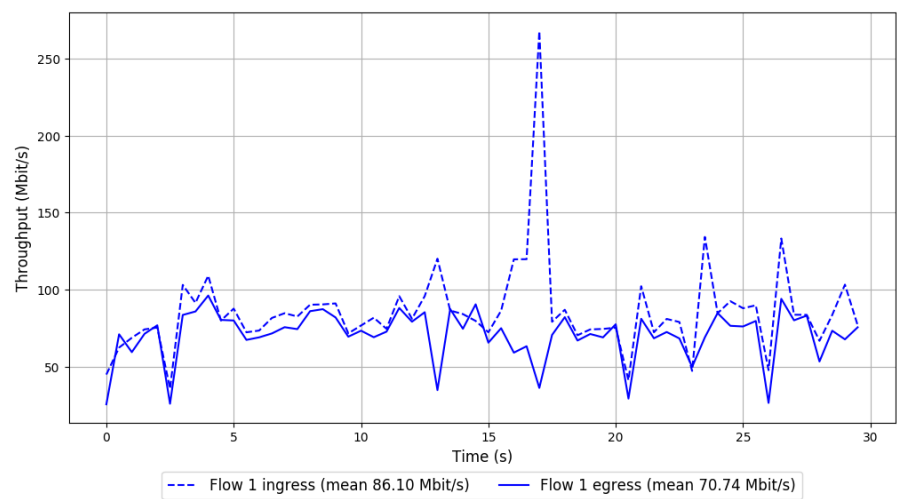


Run 3: Statistics of Verus

Start at: 2018-02-27 15:06:56
End at: 2018-02-27 15:07:26
Local clock offset: -2.192 ms
Remote clock offset: -7.445 ms

Below is generated by plot.py at 2018-02-27 18:30:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.74 Mbit/s
95th percentile per-packet one-way delay: 71.000 ms
Loss rate: 17.92%
-- Flow 1:
Average throughput: 70.74 Mbit/s
95th percentile per-packet one-way delay: 71.000 ms
Loss rate: 17.92%

Run 3: Report of Verus — Data Link

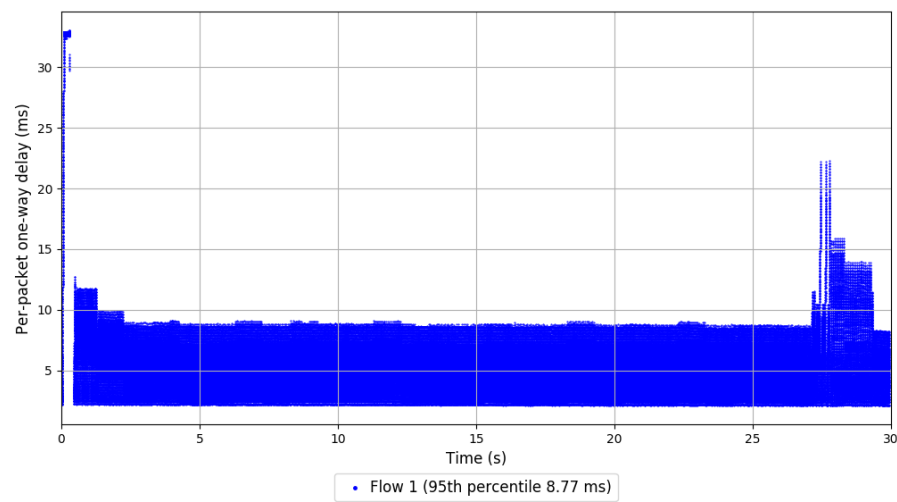
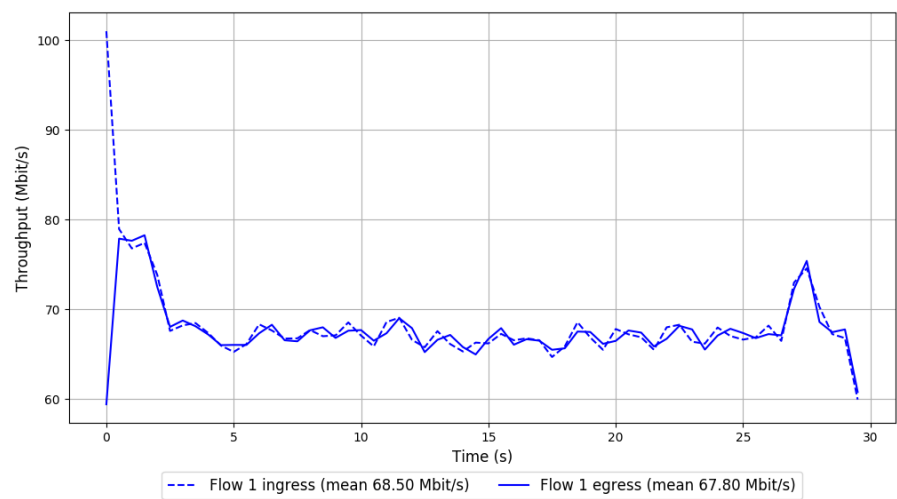


Run 4: Statistics of Verus

Start at: 2018-02-27 15:27:09
End at: 2018-02-27 15:27:39
Local clock offset: -5.624 ms
Remote clock offset: -6.425 ms

Below is generated by plot.py at 2018-02-27 18:30:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.80 Mbit/s
95th percentile per-packet one-way delay: 8.774 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 67.80 Mbit/s
95th percentile per-packet one-way delay: 8.774 ms
Loss rate: 1.00%

Run 4: Report of Verus — Data Link

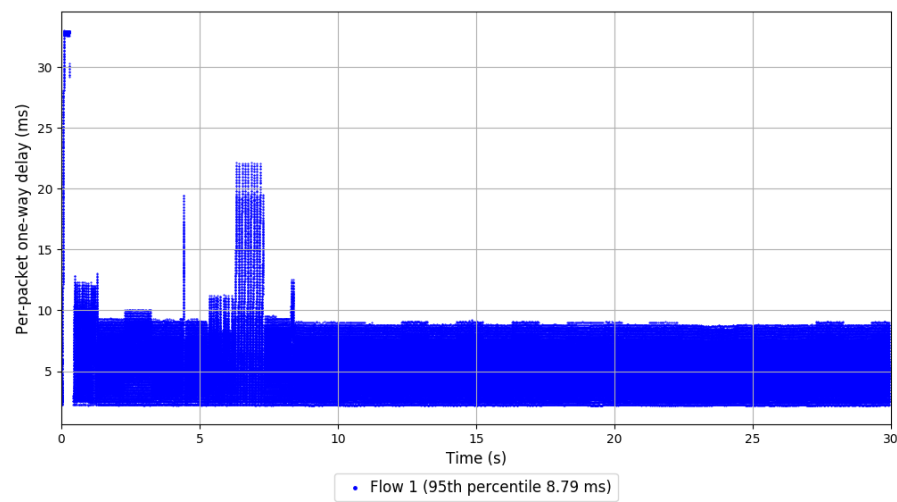
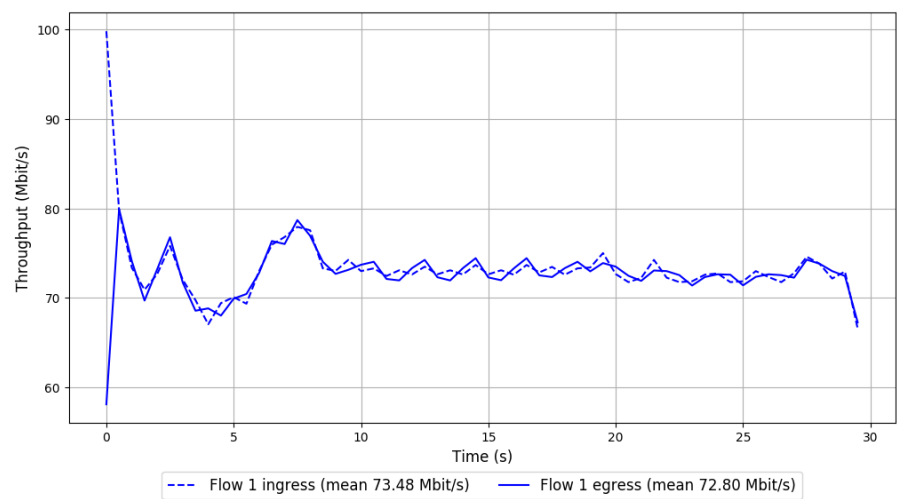


Run 5: Statistics of Verus

Start at: 2018-02-27 15:47:25
End at: 2018-02-27 15:47:55
Local clock offset: -7.628 ms
Remote clock offset: -6.167 ms

Below is generated by plot.py at 2018-02-27 18:31:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.80 Mbit/s
95th percentile per-packet one-way delay: 8.793 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 72.80 Mbit/s
95th percentile per-packet one-way delay: 8.793 ms
Loss rate: 0.91%

Run 5: Report of Verus — Data Link

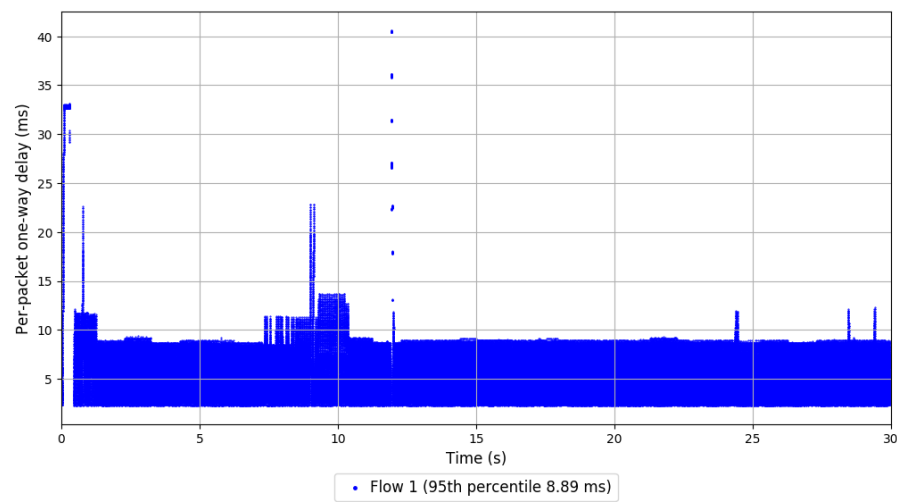
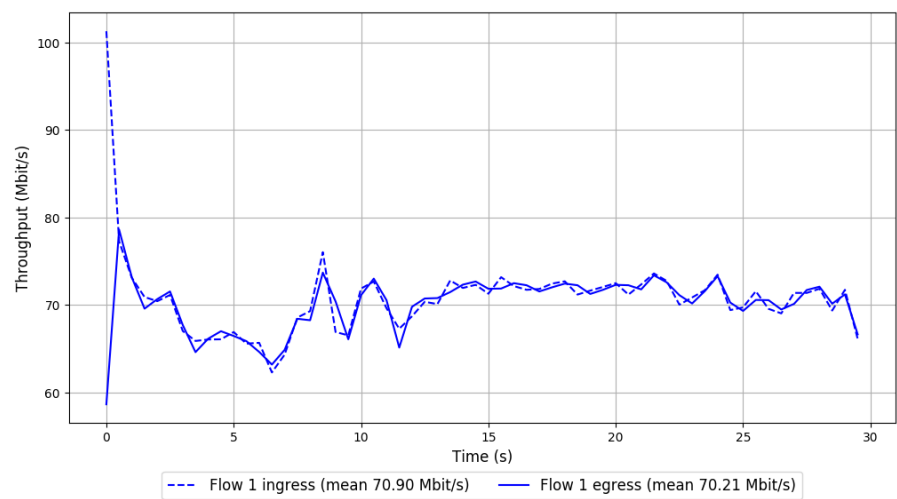


Run 6: Statistics of Verus

Start at: 2018-02-27 16:07:53
End at: 2018-02-27 16:08:23
Local clock offset: -6.3 ms
Remote clock offset: -5.929 ms

Below is generated by plot.py at 2018-02-27 18:31:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.21 Mbit/s
95th percentile per-packet one-way delay: 8.887 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 70.21 Mbit/s
95th percentile per-packet one-way delay: 8.887 ms
Loss rate: 0.97%

Run 6: Report of Verus — Data Link

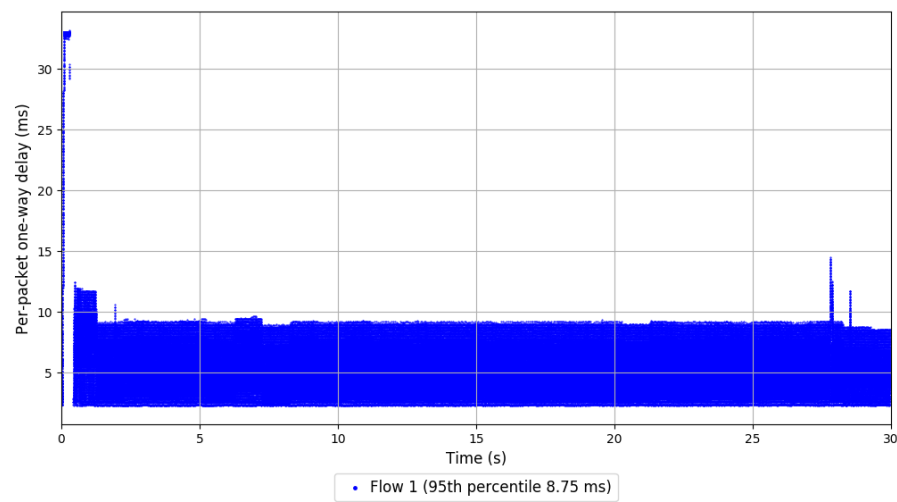
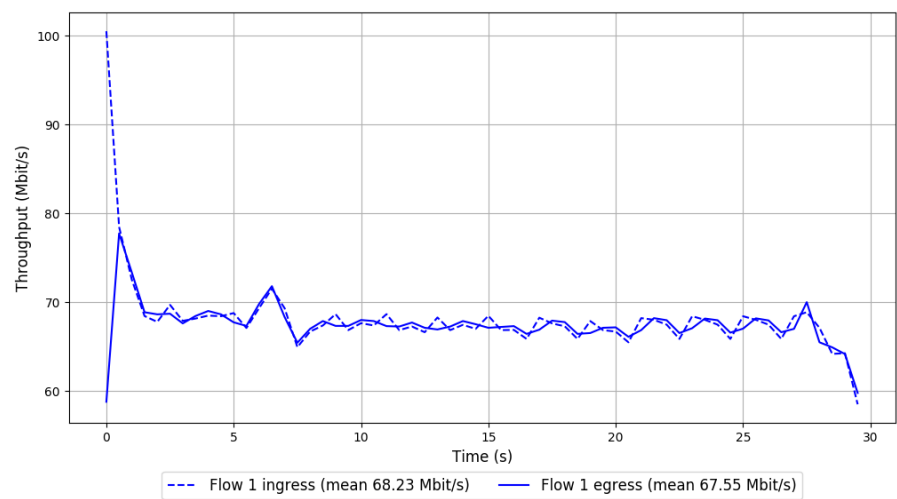


Run 7: Statistics of Verus

Start at: 2018-02-27 16:28:12
End at: 2018-02-27 16:28:42
Local clock offset: -6.107 ms
Remote clock offset: -6.585 ms

Below is generated by plot.py at 2018-02-27 18:31:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.55 Mbit/s
95th percentile per-packet one-way delay: 8.750 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 67.55 Mbit/s
95th percentile per-packet one-way delay: 8.750 ms
Loss rate: 0.99%

Run 7: Report of Verus — Data Link

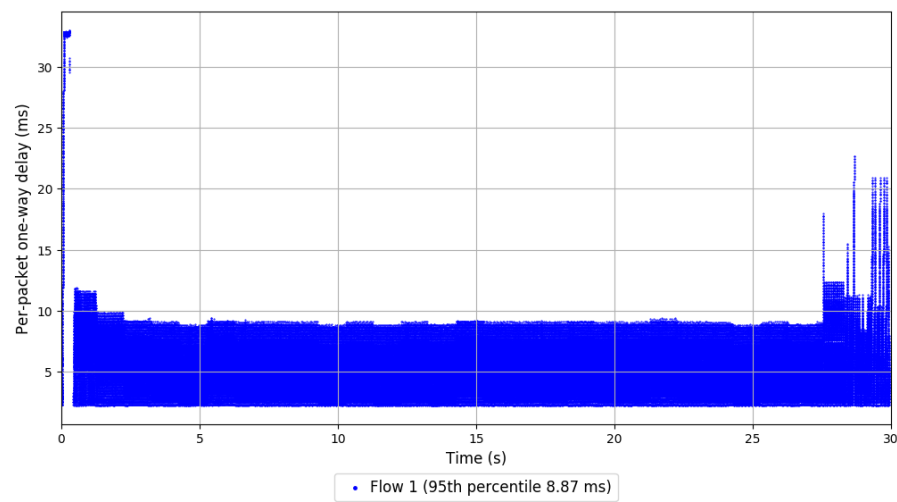
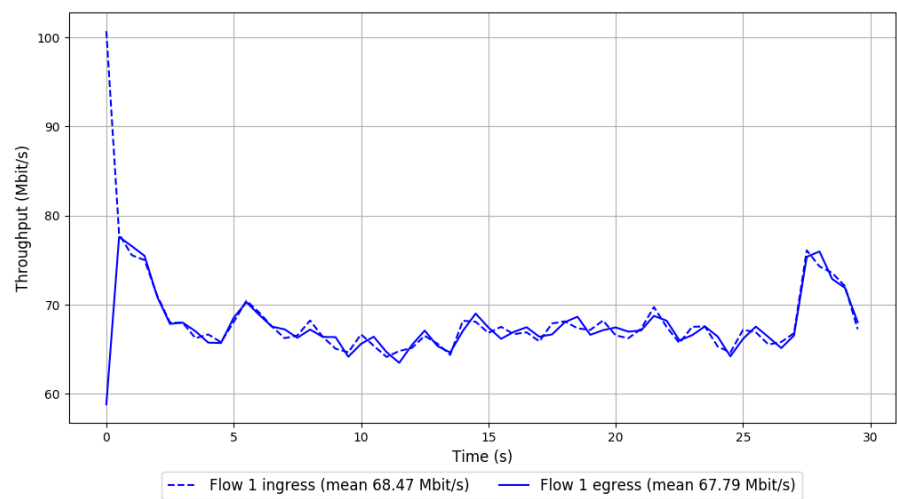


Run 8: Statistics of Verus

Start at: 2018-02-27 16:48:36
End at: 2018-02-27 16:49:06
Local clock offset: -5.848 ms
Remote clock offset: -6.614 ms

Below is generated by plot.py at 2018-02-27 18:31:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.79 Mbit/s
95th percentile per-packet one-way delay: 8.867 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 67.79 Mbit/s
95th percentile per-packet one-way delay: 8.867 ms
Loss rate: 0.98%

Run 8: Report of Verus — Data Link

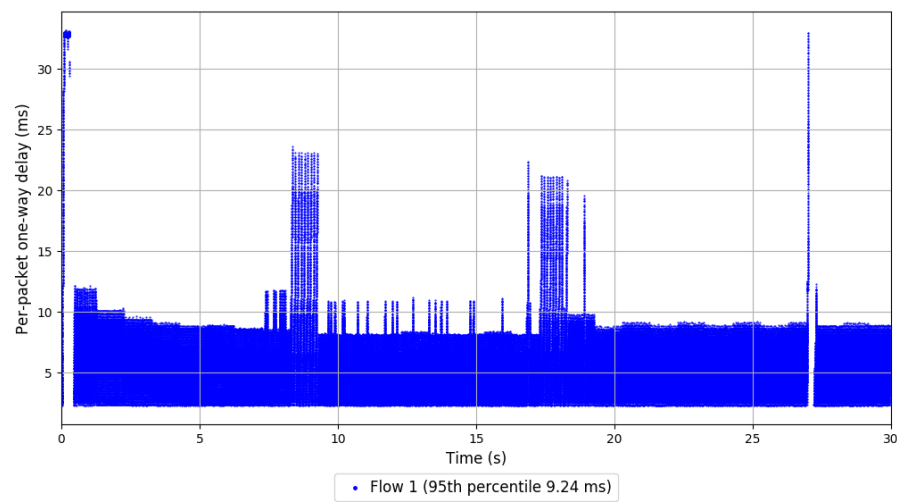
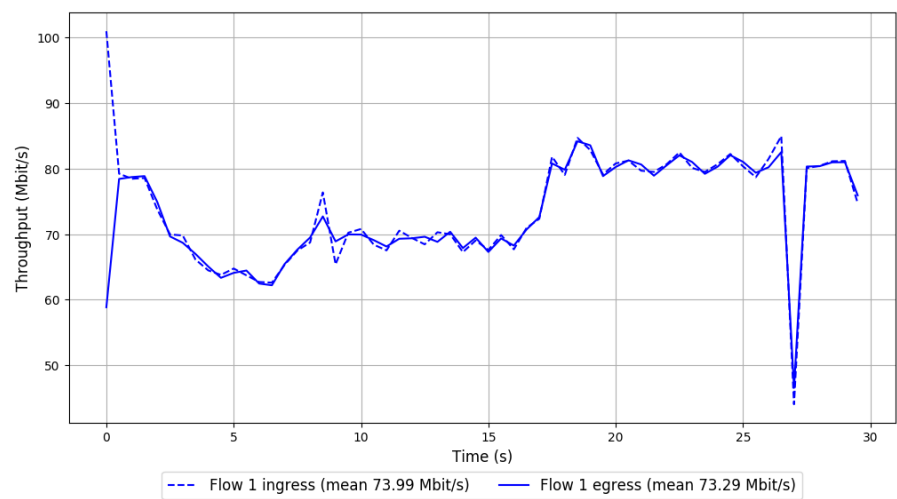


Run 9: Statistics of Verus

Start at: 2018-02-27 17:08:57
End at: 2018-02-27 17:09:27
Local clock offset: -6.431 ms
Remote clock offset: -6.412 ms

Below is generated by plot.py at 2018-02-27 18:31:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.29 Mbit/s
95th percentile per-packet one-way delay: 9.240 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 73.29 Mbit/s
95th percentile per-packet one-way delay: 9.240 ms
Loss rate: 0.93%

Run 9: Report of Verus — Data Link

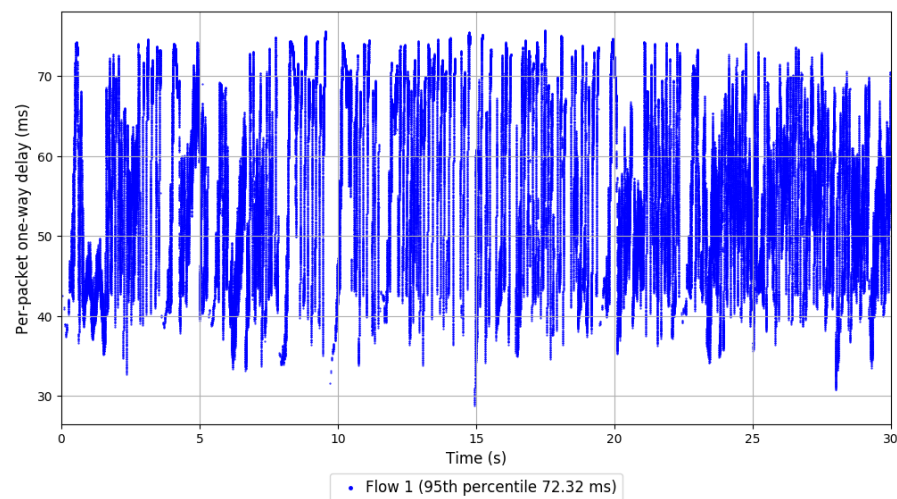
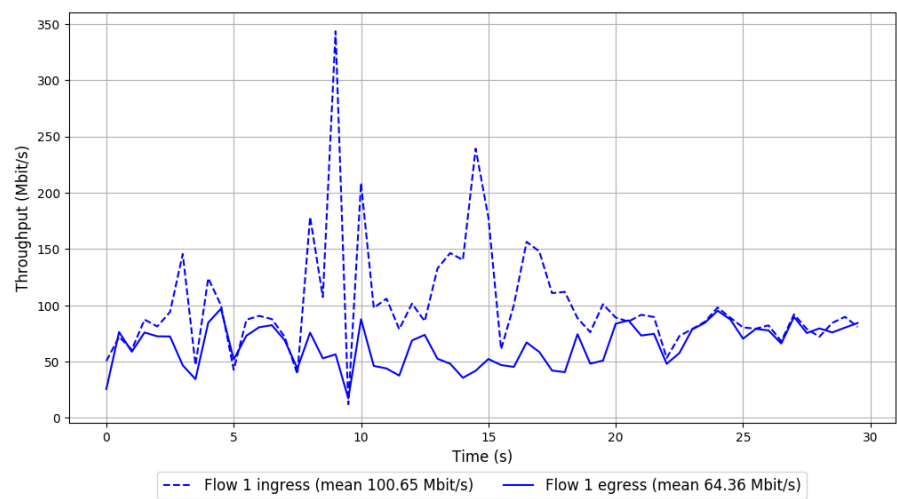


Run 10: Statistics of Verus

Start at: 2018-02-27 17:29:09
End at: 2018-02-27 17:29:39
Local clock offset: -6.85 ms
Remote clock offset: -6.583 ms

Below is generated by plot.py at 2018-02-27 18:31:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.36 Mbit/s
95th percentile per-packet one-way delay: 72.321 ms
Loss rate: 36.07%
-- Flow 1:
Average throughput: 64.36 Mbit/s
95th percentile per-packet one-way delay: 72.321 ms
Loss rate: 36.07%

Run 10: Report of Verus — Data Link

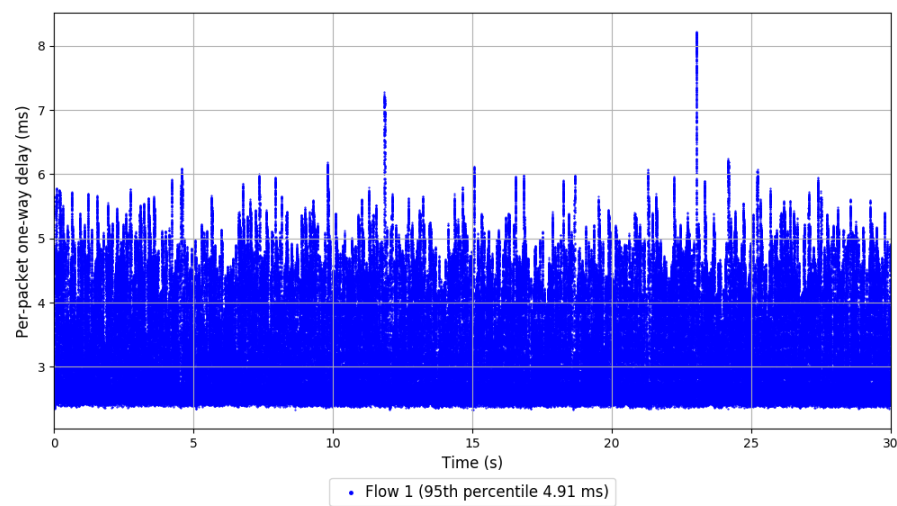
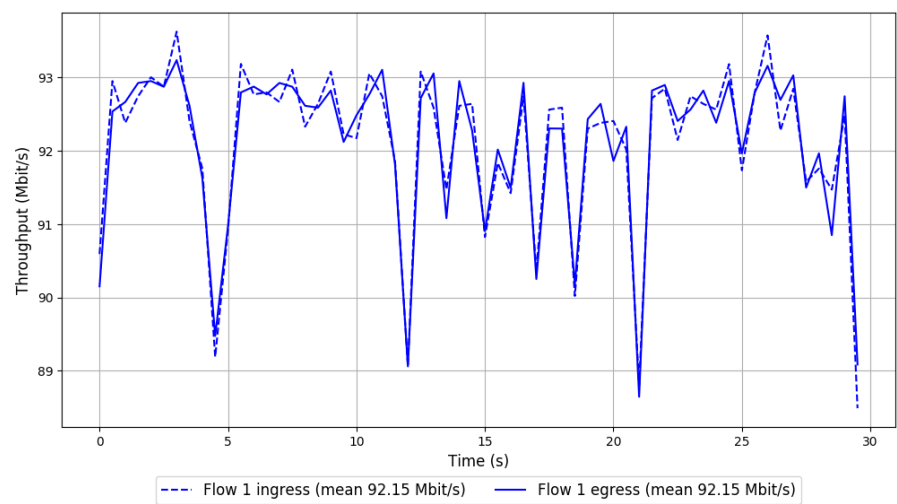


Run 1: Statistics of Copa

Start at: 2018-02-27 14:20:26
End at: 2018-02-27 14:20:56
Local clock offset: -6.103 ms
Remote clock offset: -6.679 ms

Below is generated by plot.py at 2018-02-27 18:32:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 4.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 4.914 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

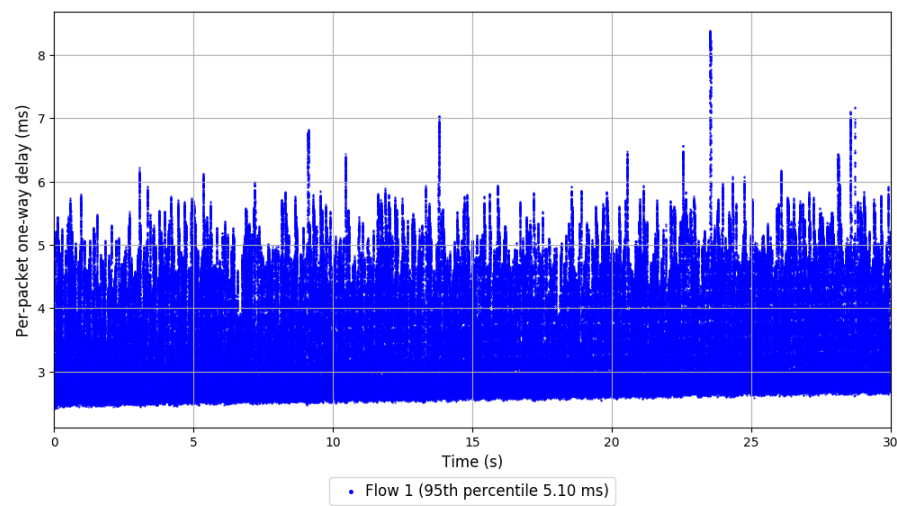
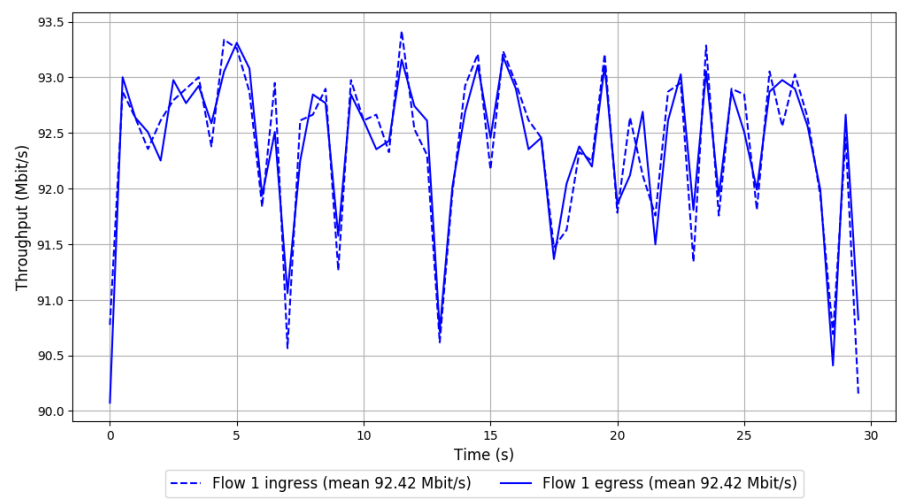


Run 2: Statistics of Copa

Start at: 2018-02-27 14:40:47
End at: 2018-02-27 14:41:17
Local clock offset: -6.378 ms
Remote clock offset: -6.956 ms

Below is generated by plot.py at 2018-02-27 18:32:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 5.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 5.097 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

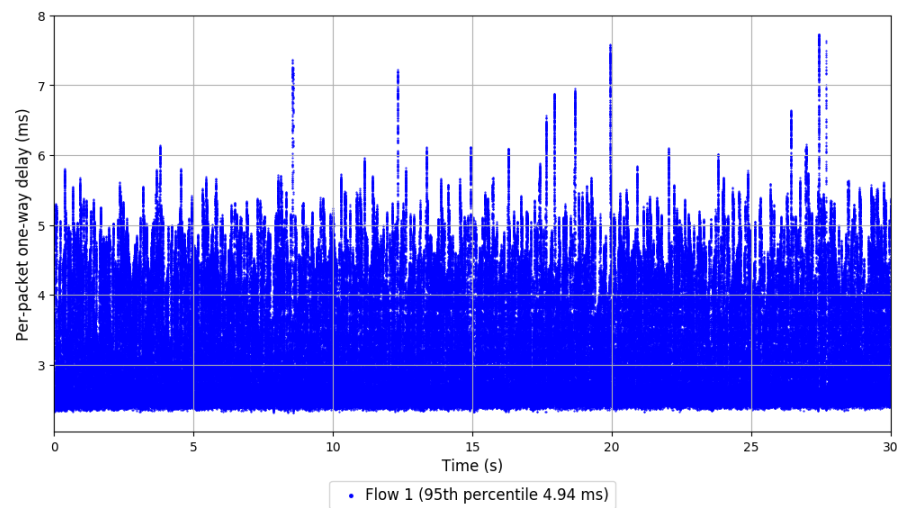
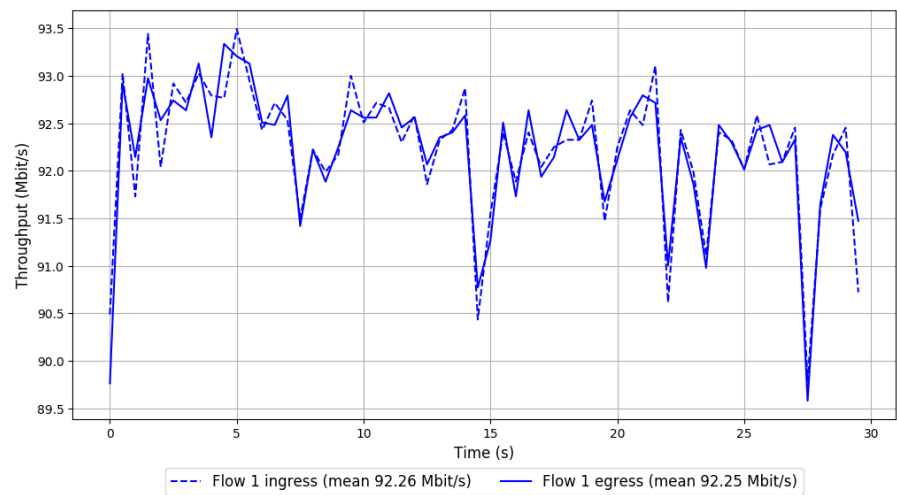


Run 3: Statistics of Copa

Start at: 2018-02-27 15:01:07
End at: 2018-02-27 15:01:37
Local clock offset: -2.545 ms
Remote clock offset: -7.411 ms

Below is generated by plot.py at 2018-02-27 18:33:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.25 Mbit/s
95th percentile per-packet one-way delay: 4.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.25 Mbit/s
95th percentile per-packet one-way delay: 4.936 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

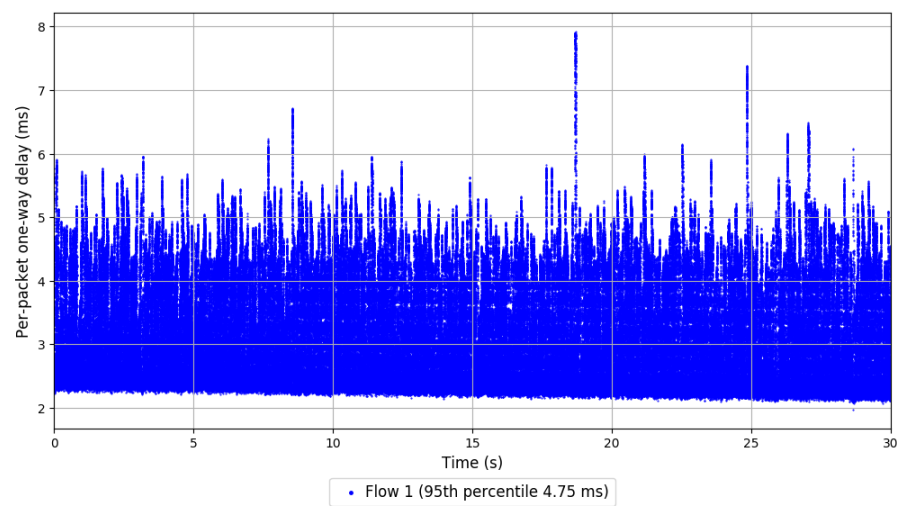
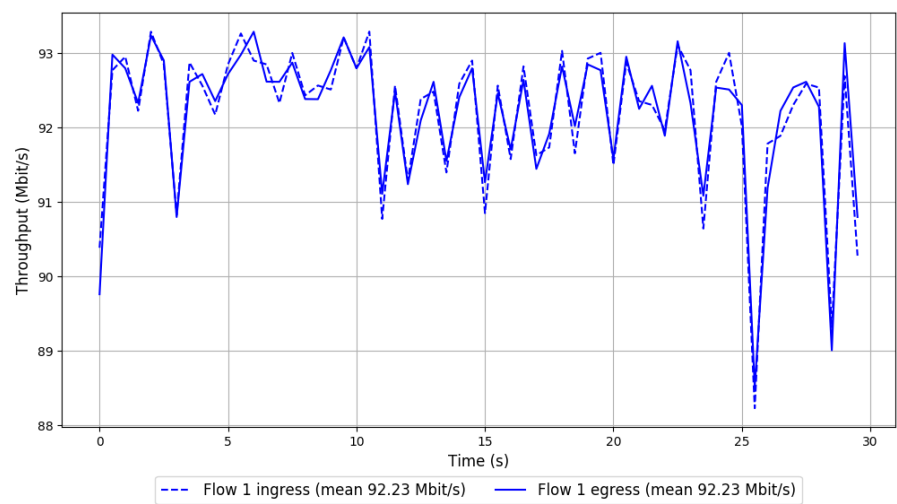


Run 4: Statistics of Copa

Start at: 2018-02-27 15:21:24
End at: 2018-02-27 15:21:54
Local clock offset: -4.409 ms
Remote clock offset: -6.585 ms

Below is generated by plot.py at 2018-02-27 18:33:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 4.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 4.753 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

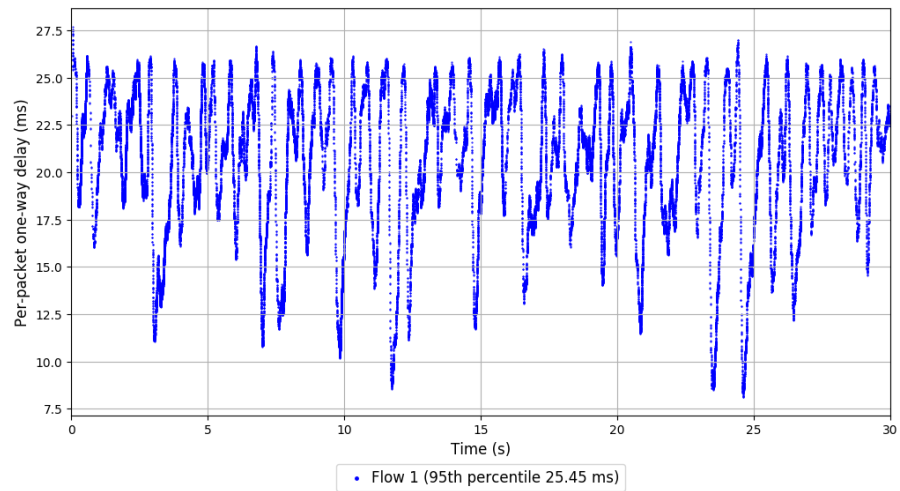
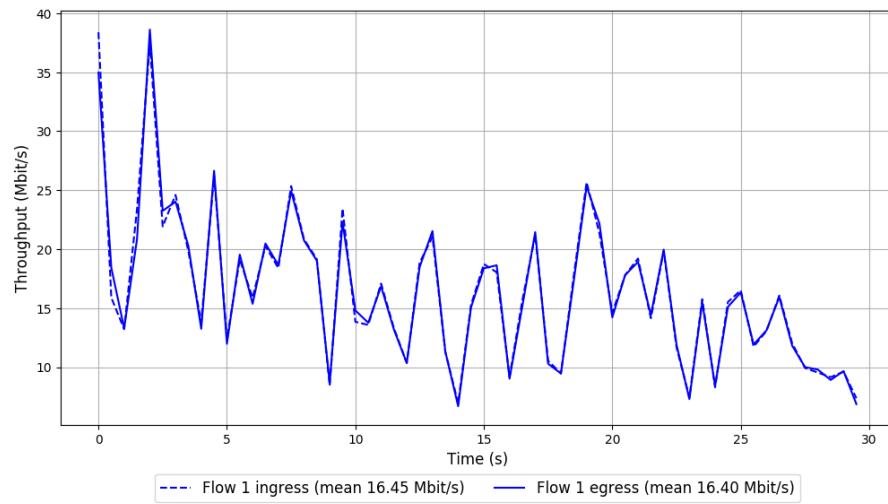


Run 5: Statistics of Copa

Start at: 2018-02-27 15:41:41
End at: 2018-02-27 15:42:11
Local clock offset: -7.296 ms
Remote clock offset: -24.151 ms

Below is generated by plot.py at 2018-02-27 18:33:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.40 Mbit/s
95th percentile per-packet one-way delay: 25.454 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 16.40 Mbit/s
95th percentile per-packet one-way delay: 25.454 ms
Loss rate: 0.41%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-27 16:01:58

End at: 2018-02-27 16:02:28

Local clock offset: -6.382 ms

Remote clock offset: -5.98 ms

Below is generated by plot.py at 2018-02-27 18:33:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.96 Mbit/s

95th percentile per-packet one-way delay: 4.937 ms

Loss rate: 0.00%

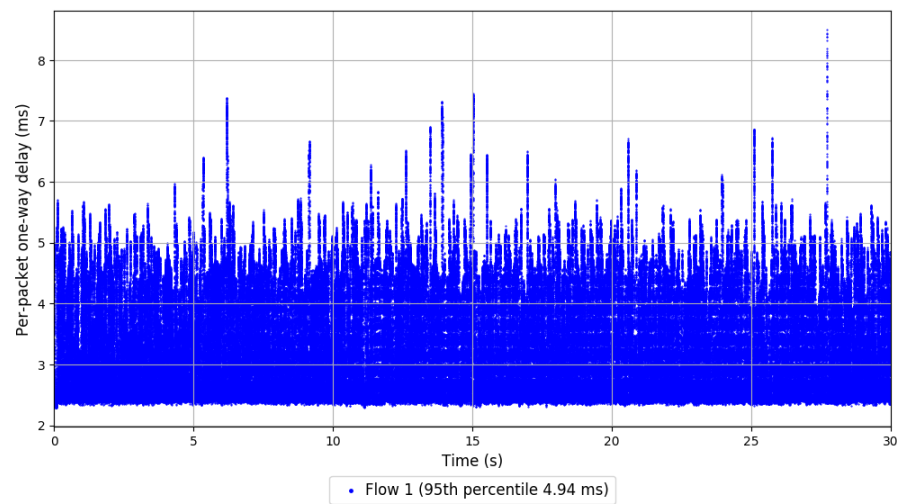
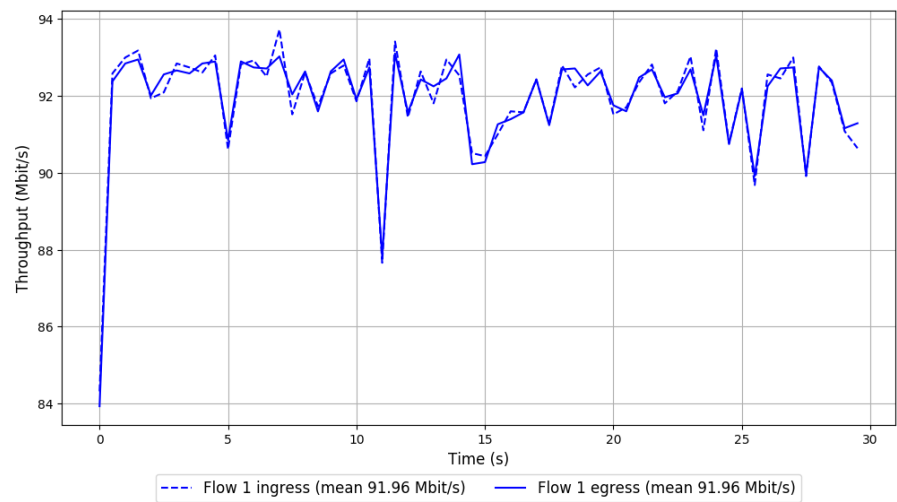
-- Flow 1:

Average throughput: 91.96 Mbit/s

95th percentile per-packet one-way delay: 4.937 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-27 16:22:23

End at: 2018-02-27 16:22:53

Local clock offset: -6.443 ms

Remote clock offset: -6.45 ms

Below is generated by plot.py at 2018-02-27 18:33:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 4.901 ms

Loss rate: 0.00%

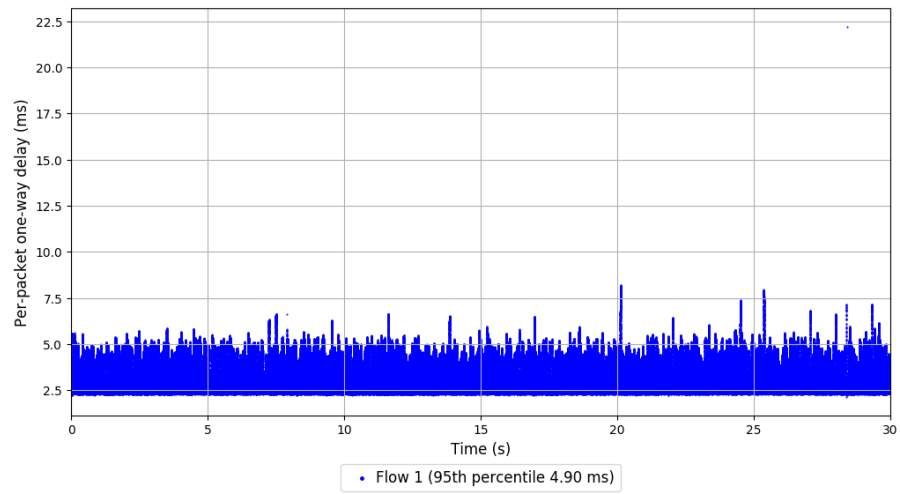
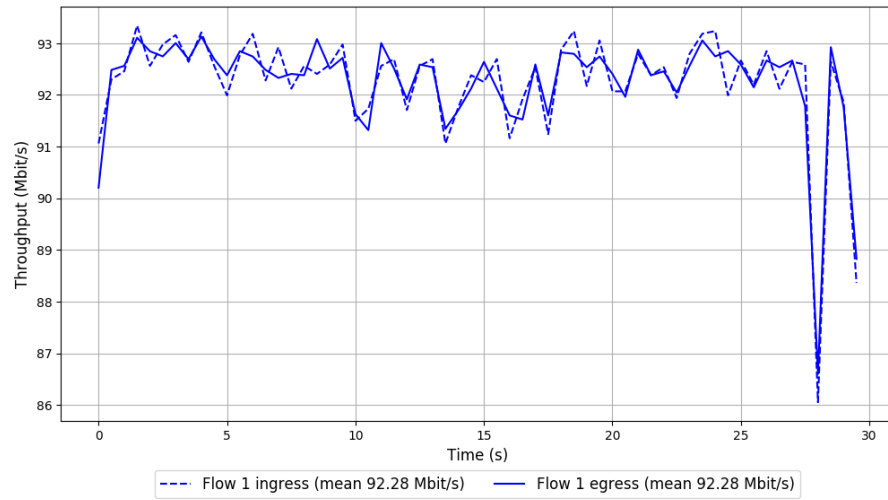
-- Flow 1:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 4.901 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-27 16:42:46

End at: 2018-02-27 16:43:16

Local clock offset: -5.804 ms

Remote clock offset: -6.54 ms

Below is generated by plot.py at 2018-02-27 18:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 4.894 ms

Loss rate: 0.00%

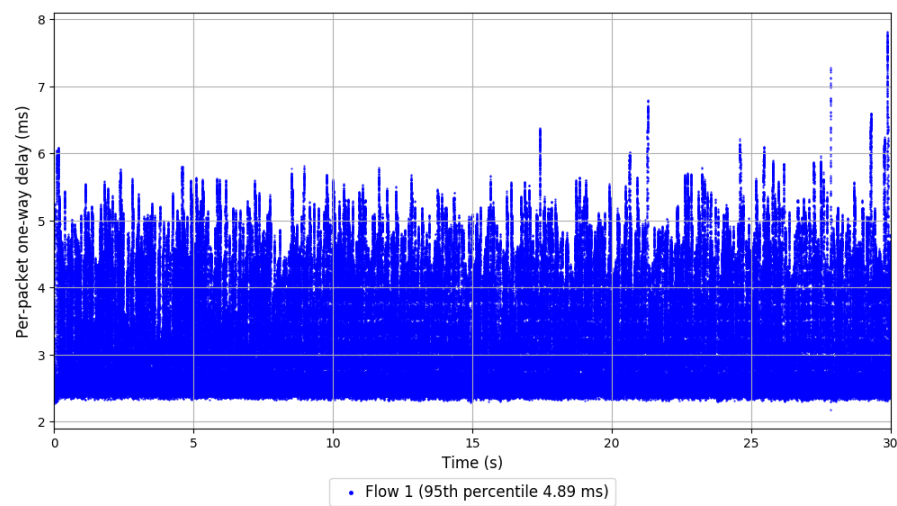
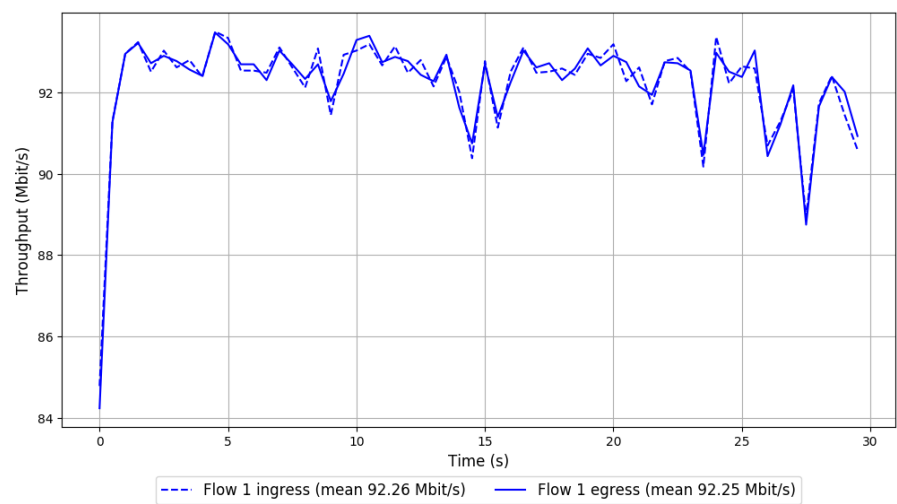
-- Flow 1:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 4.894 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

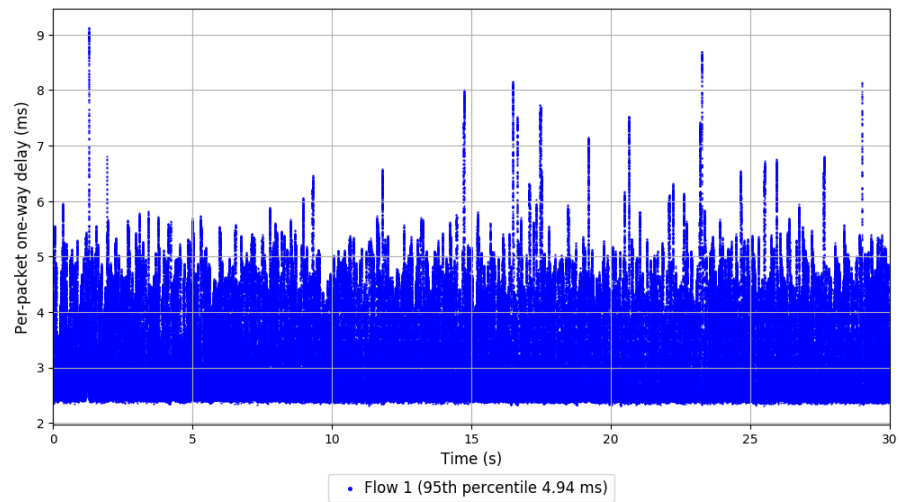
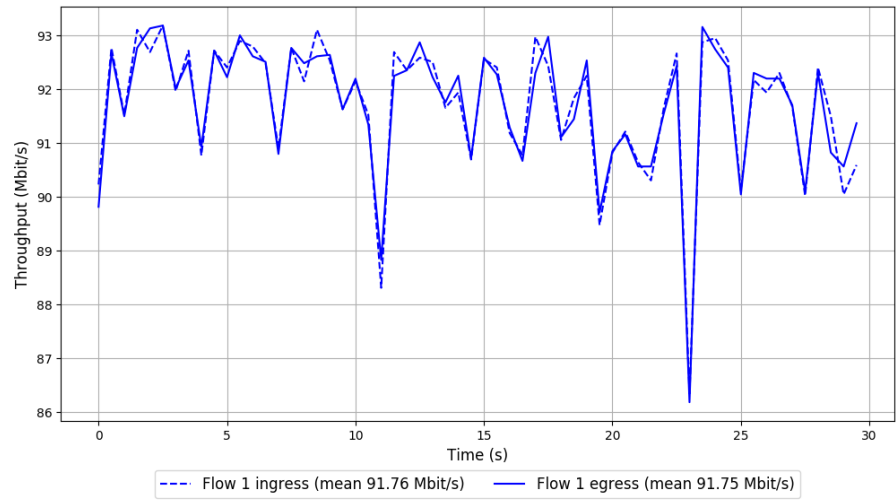


Run 9: Statistics of Copa

Start at: 2018-02-27 17:03:10
End at: 2018-02-27 17:03:40
Local clock offset: -6.269 ms
Remote clock offset: -6.376 ms

Below is generated by plot.py at 2018-02-27 18:33:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 4.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 4.938 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

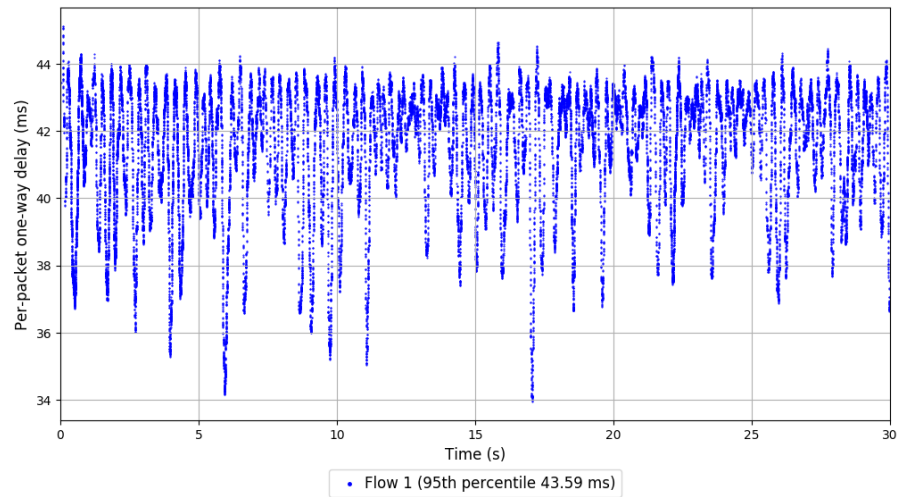
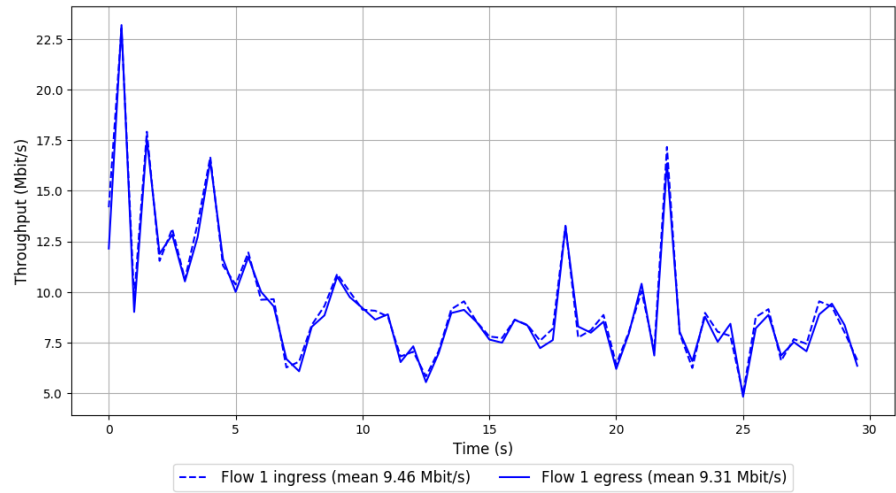


Run 10: Statistics of Copa

Start at: 2018-02-27 17:23:29
End at: 2018-02-27 17:23:59
Local clock offset: -6.754 ms
Remote clock offset: -6.397 ms

Below is generated by plot.py at 2018-02-27 18:33:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 43.589 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 43.589 ms
Loss rate: 1.76%

Run 10: Report of Copa — Data Link

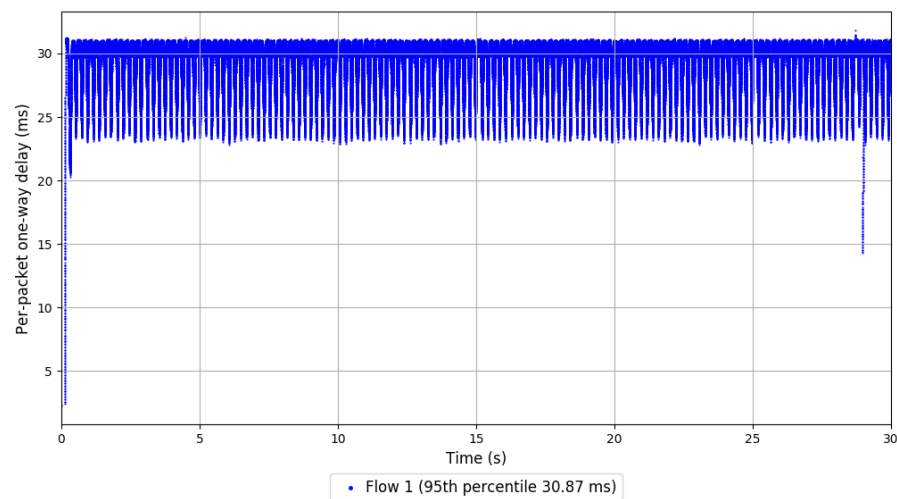
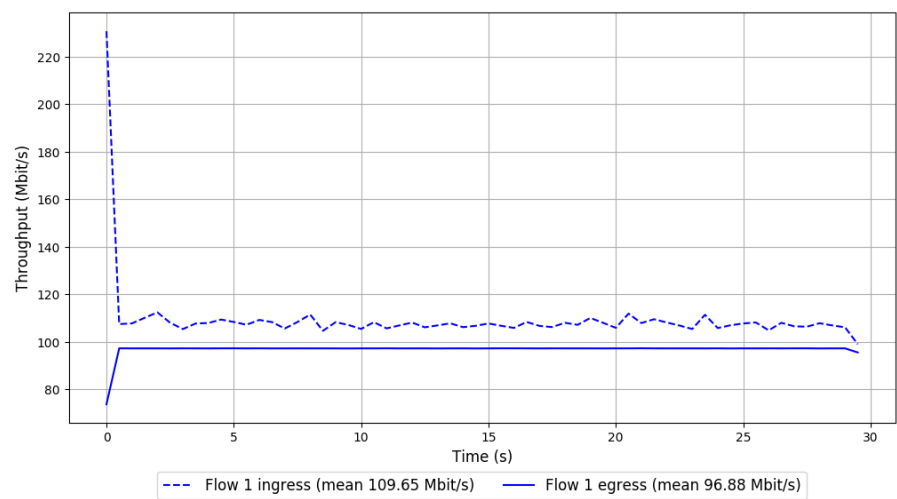


Run 1: Statistics of FillP

Start at: 2018-02-27 14:33:01
End at: 2018-02-27 14:33:31
Local clock offset: -6.284 ms
Remote clock offset: -6.771 ms

Below is generated by plot.py at 2018-02-27 18:34:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.870 ms
Loss rate: 11.56%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.870 ms
Loss rate: 11.56%

Run 1: Report of FillP — Data Link

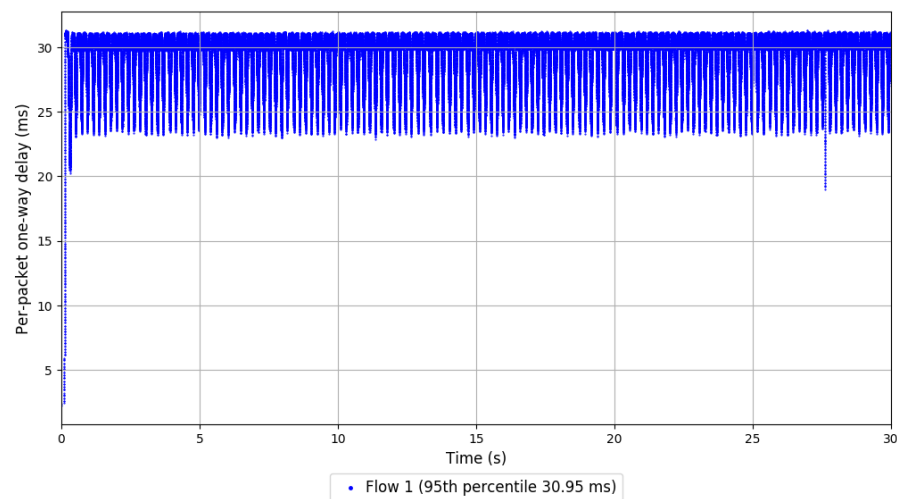
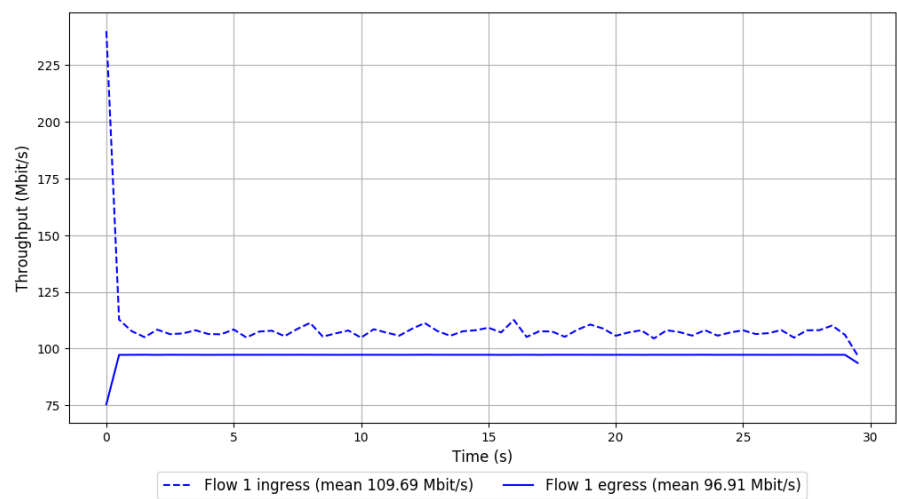


Run 2: Statistics of FillP

Start at: 2018-02-27 14:53:20
End at: 2018-02-27 14:53:50
Local clock offset: -3.342 ms
Remote clock offset: -7.292 ms

Below is generated by plot.py at 2018-02-27 18:34:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.948 ms
Loss rate: 11.56%
-- Flow 1:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.948 ms
Loss rate: 11.56%

Run 2: Report of FillP — Data Link

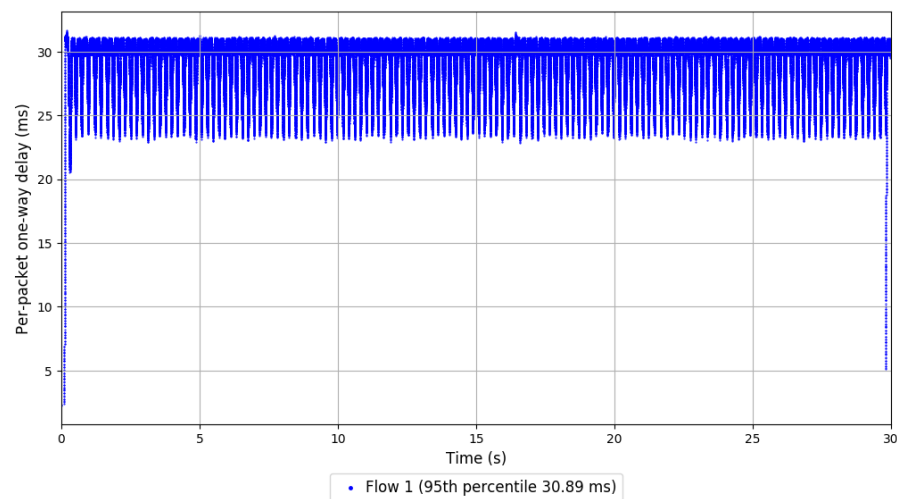
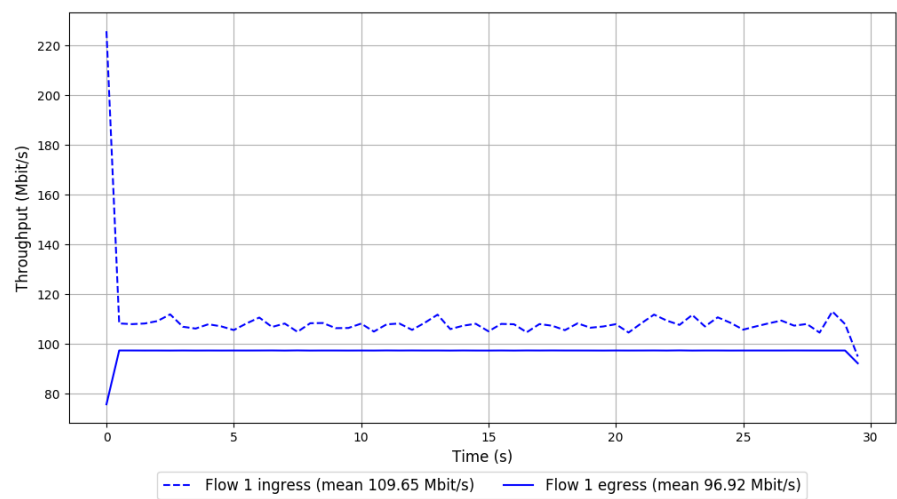


Run 3: Statistics of FillP

Start at: 2018-02-27 15:13:37
End at: 2018-02-27 15:14:07
Local clock offset: -1.848 ms
Remote clock offset: -6.888 ms

Below is generated by plot.py at 2018-02-27 18:35:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.891 ms
Loss rate: 11.53%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.891 ms
Loss rate: 11.53%

Run 3: Report of FillP — Data Link

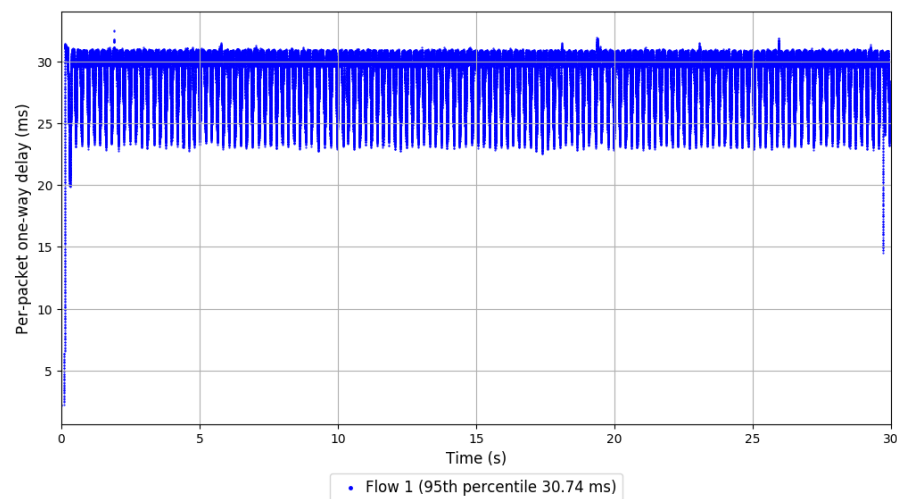
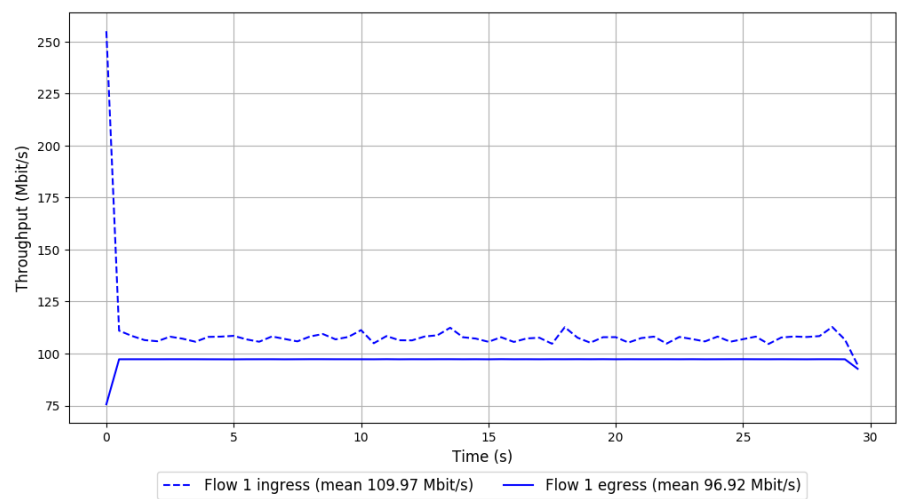


Run 4: Statistics of FillP

Start at: 2018-02-27 15:33:51
End at: 2018-02-27 15:34:21
Local clock offset: -6.512 ms
Remote clock offset: -6.388 ms

Below is generated by plot.py at 2018-02-27 18:35:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.742 ms
Loss rate: 11.79%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.742 ms
Loss rate: 11.79%

Run 4: Report of FillP — Data Link

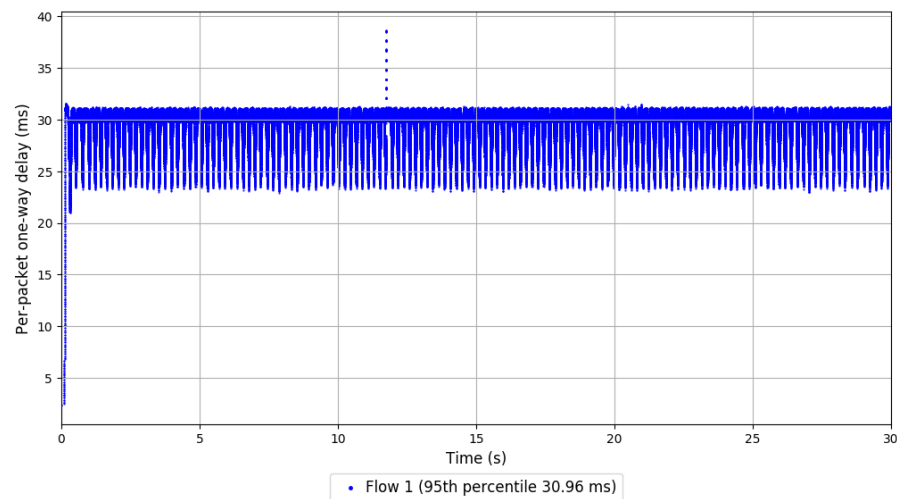
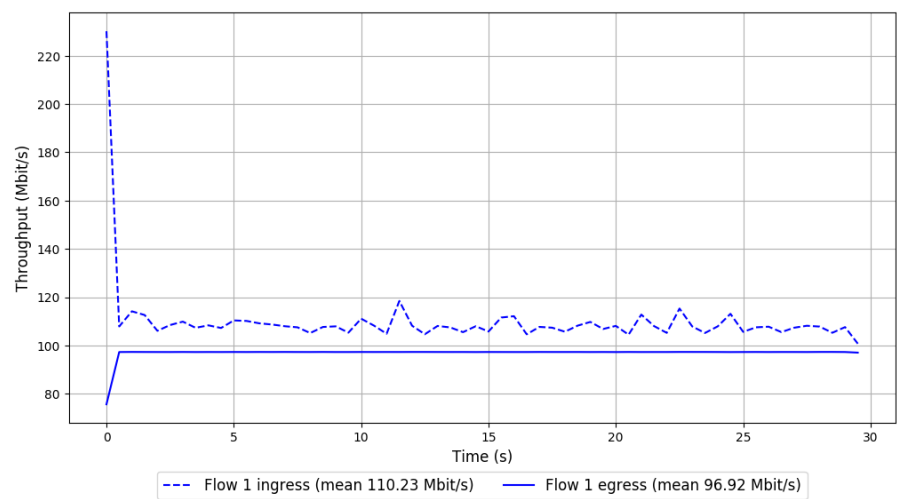


Run 5: Statistics of FillP

Start at: 2018-02-27 15:54:08
End at: 2018-02-27 15:54:38
Local clock offset: -6.91 ms
Remote clock offset: -6.079 ms

Below is generated by plot.py at 2018-02-27 18:35:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.957 ms
Loss rate: 11.99%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.957 ms
Loss rate: 11.99%

Run 5: Report of FillP — Data Link

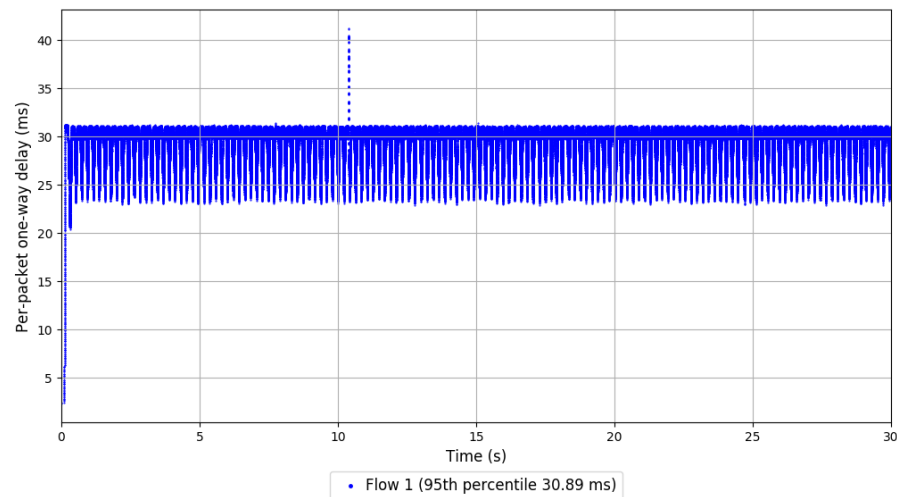
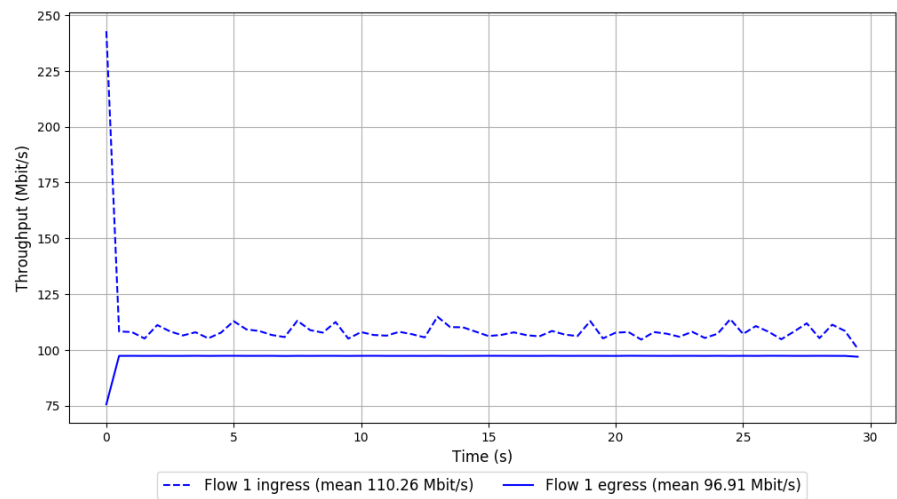


Run 6: Statistics of FillP

Start at: 2018-02-27 16:14:37
End at: 2018-02-27 16:15:07
Local clock offset: -6.329 ms
Remote clock offset: -5.874 ms

Below is generated by plot.py at 2018-02-27 18:35:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.893 ms
Loss rate: 12.02%
-- Flow 1:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.893 ms
Loss rate: 12.02%

Run 6: Report of FillP — Data Link

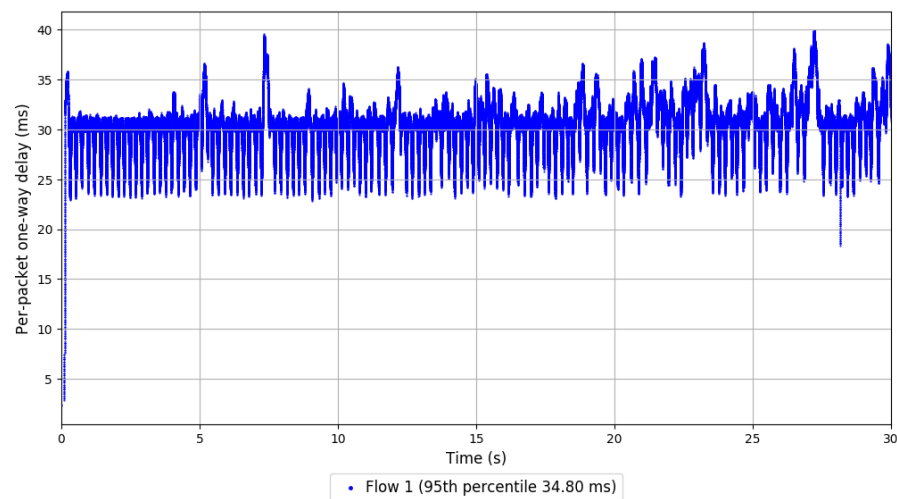
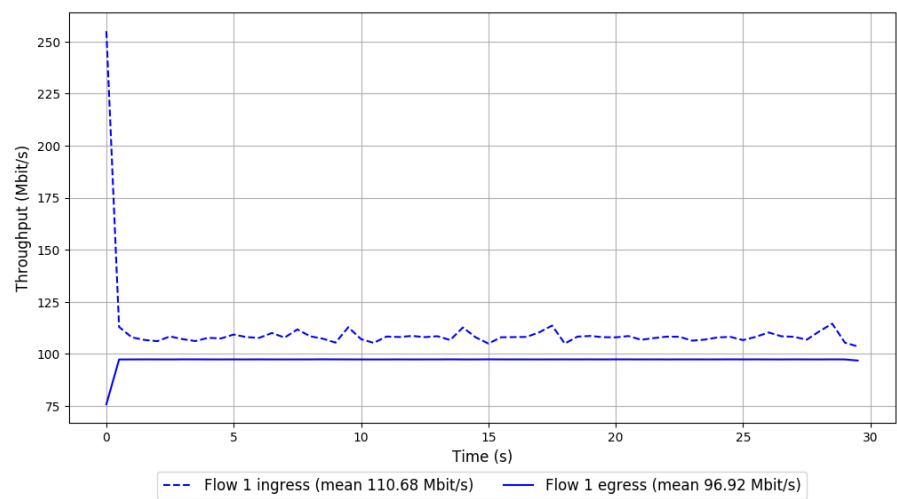


Run 7: Statistics of FillP

Start at: 2018-02-27 16:34:56
End at: 2018-02-27 16:35:26
Local clock offset: -5.939 ms
Remote clock offset: -6.614 ms

Below is generated by plot.py at 2018-02-27 18:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 34.795 ms
Loss rate: 12.36%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 34.795 ms
Loss rate: 12.36%

Run 7: Report of FillP — Data Link

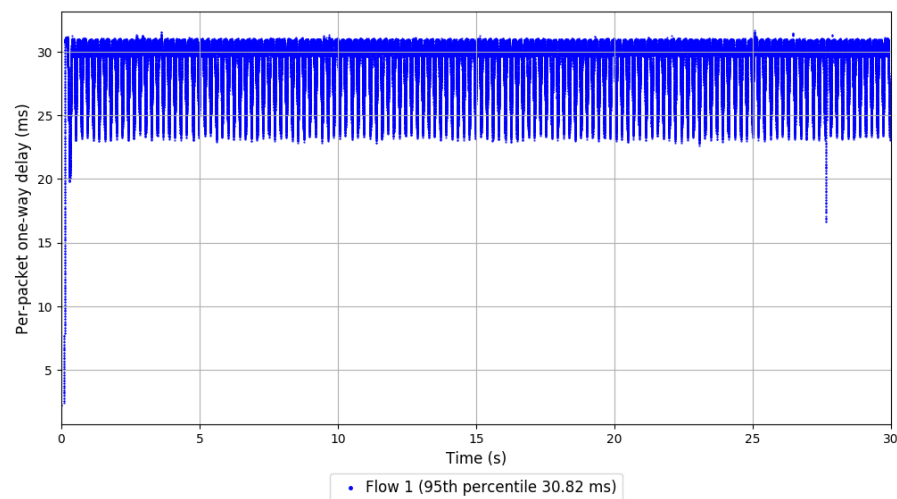
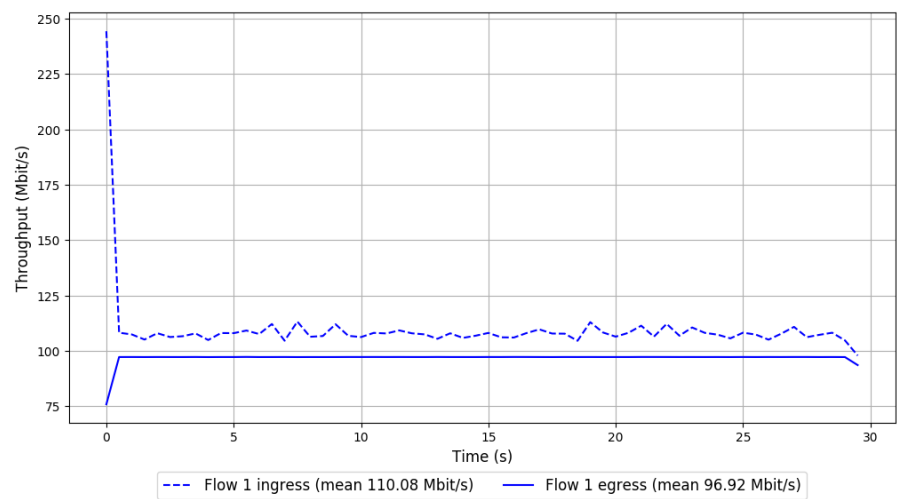


Run 8: Statistics of FillP

Start at: 2018-02-27 16:55:20
End at: 2018-02-27 16:55:50
Local clock offset: -5.875 ms
Remote clock offset: -6.489 ms

Below is generated by plot.py at 2018-02-27 18:35:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.817 ms
Loss rate: 11.88%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.817 ms
Loss rate: 11.88%

Run 8: Report of FillP — Data Link

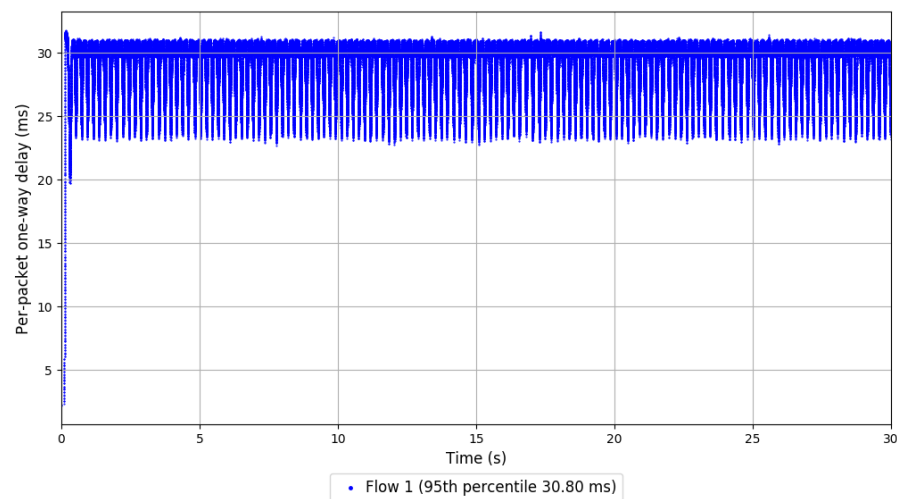
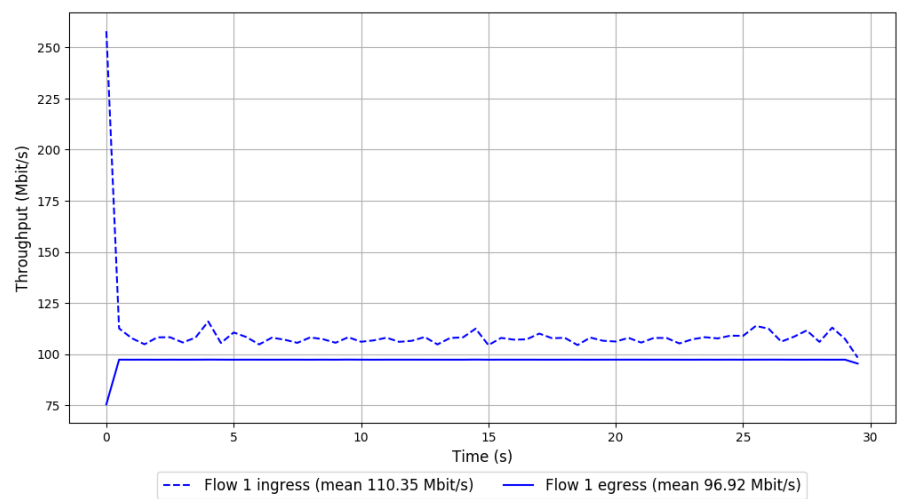


Run 9: Statistics of FillP

Start at: 2018-02-27 17:15:42
End at: 2018-02-27 17:16:12
Local clock offset: -6.588 ms
Remote clock offset: -6.457 ms

Below is generated by plot.py at 2018-02-27 18:35:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.804 ms
Loss rate: 12.10%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.804 ms
Loss rate: 12.10%

Run 9: Report of FillP — Data Link

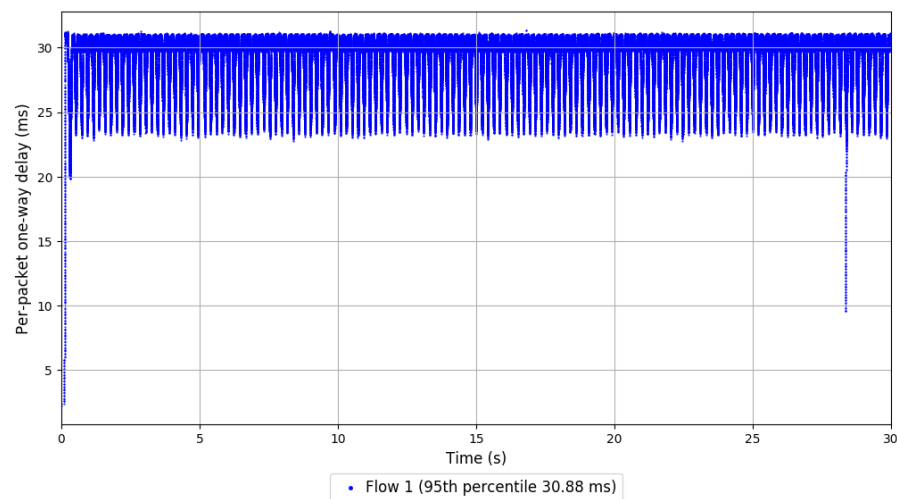
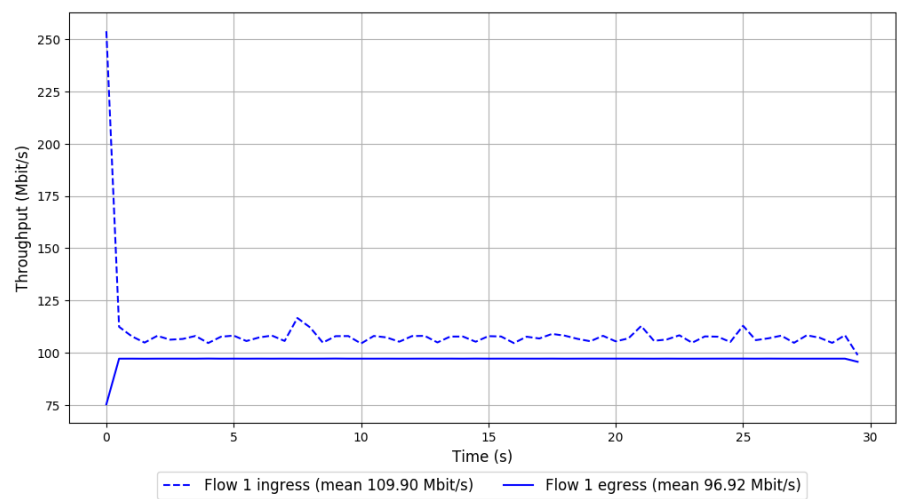


Run 10: Statistics of FillP

Start at: 2018-02-27 17:35:53
End at: 2018-02-27 17:36:23
Local clock offset: -6.773 ms
Remote clock offset: -6.819 ms

Below is generated by plot.py at 2018-02-27 18:36:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.883 ms
Loss rate: 11.73%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.883 ms
Loss rate: 11.73%

Run 10: Report of FillP — Data Link

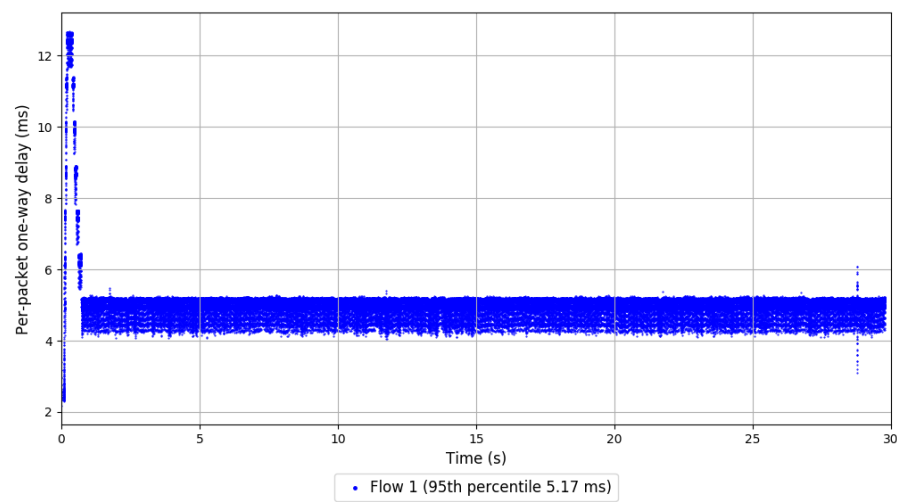
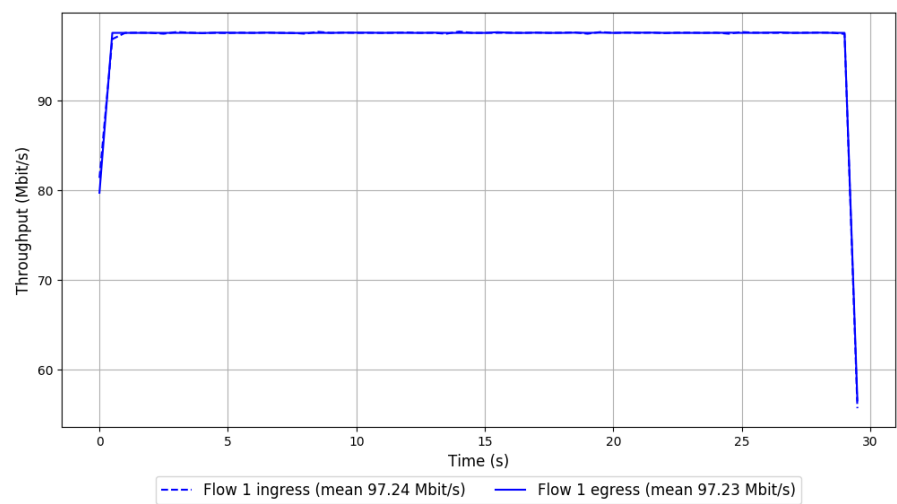


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-27 14:25:07
End at: 2018-02-27 14:25:37
Local clock offset: -6.167 ms
Remote clock offset: -6.692 ms

# Below is generated by plot.py at 2018-02-27 18:36:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 5.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 5.172 ms
Loss rate: 0.00%
```

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

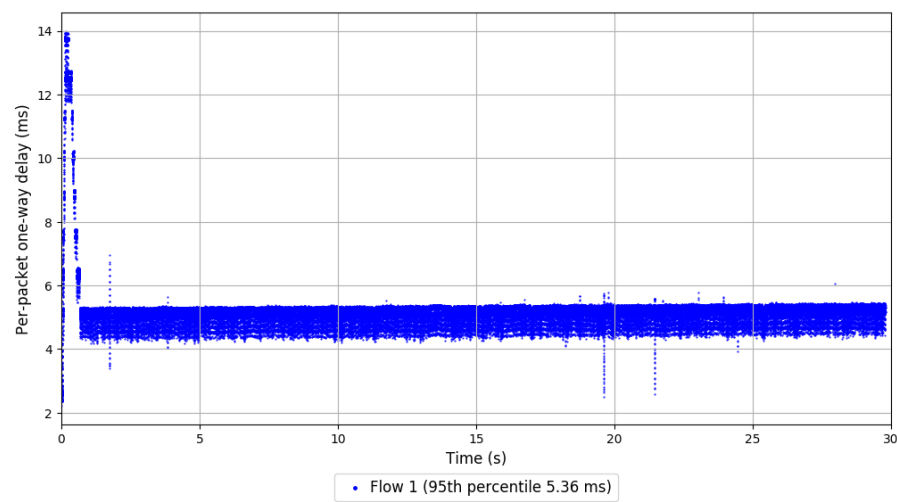
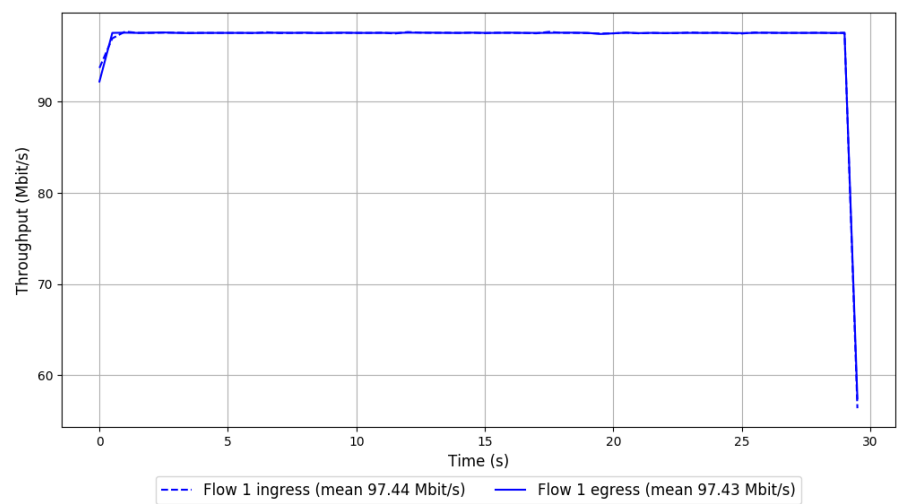


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-27 14:45:27
End at: 2018-02-27 14:45:57
Local clock offset: -4.797 ms
Remote clock offset: -7.046 ms

Below is generated by plot.py at 2018-02-27 18:36:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.364 ms
Loss rate: 0.00%

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

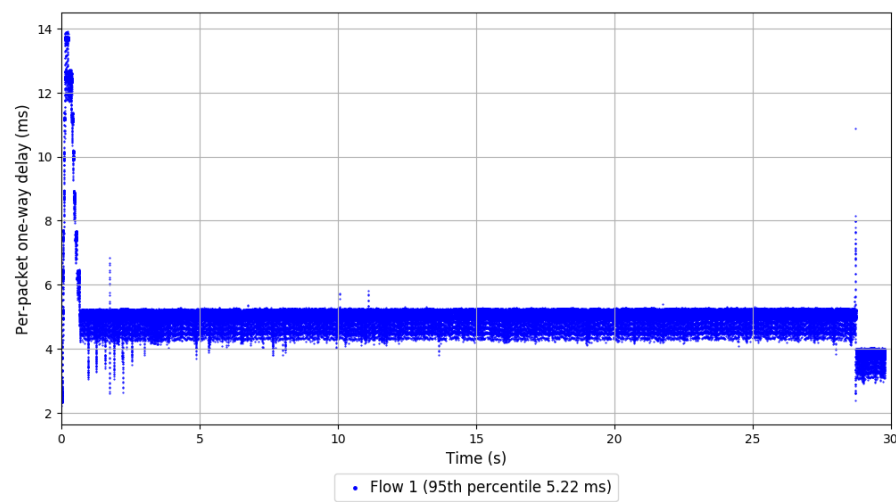
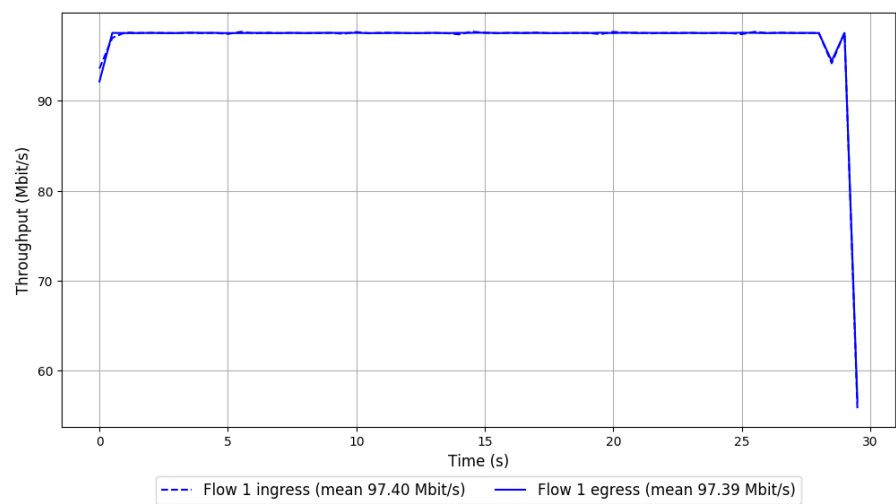


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-27 15:05:47
End at: 2018-02-27 15:06:17
Local clock offset: -2.257 ms
Remote clock offset: -7.426 ms

Below is generated by plot.py at 2018-02-27 18:36:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.222 ms
Loss rate: 0.00%

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

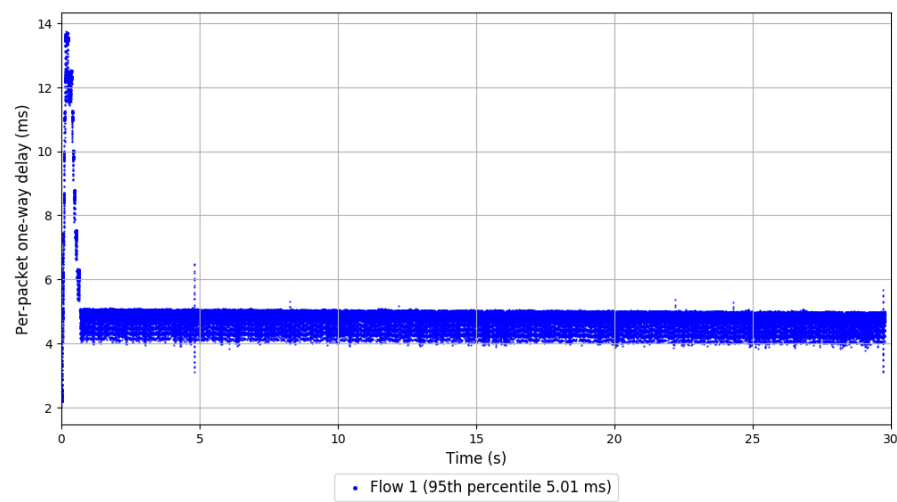
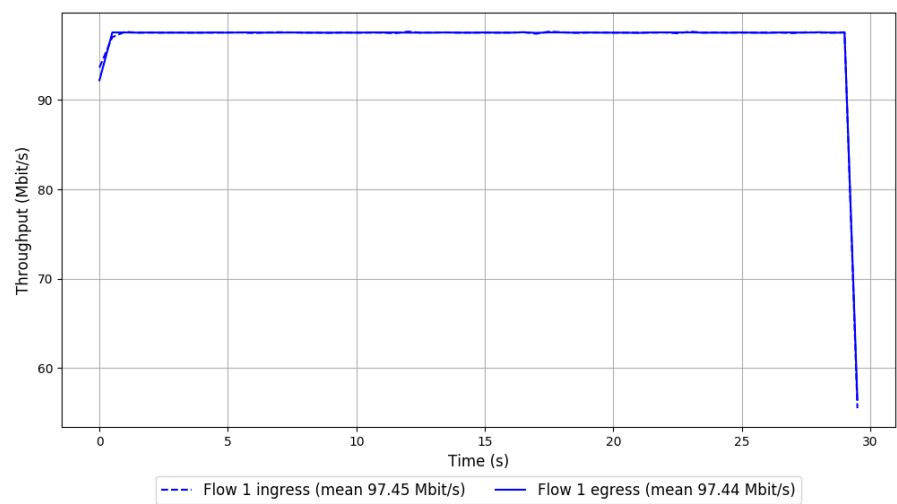


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-27 15:26:00
End at: 2018-02-27 15:26:30
Local clock offset: -5.389 ms
Remote clock offset: -6.452 ms

Below is generated by plot.py at 2018-02-27 18:36:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.009 ms
Loss rate: 0.00%

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

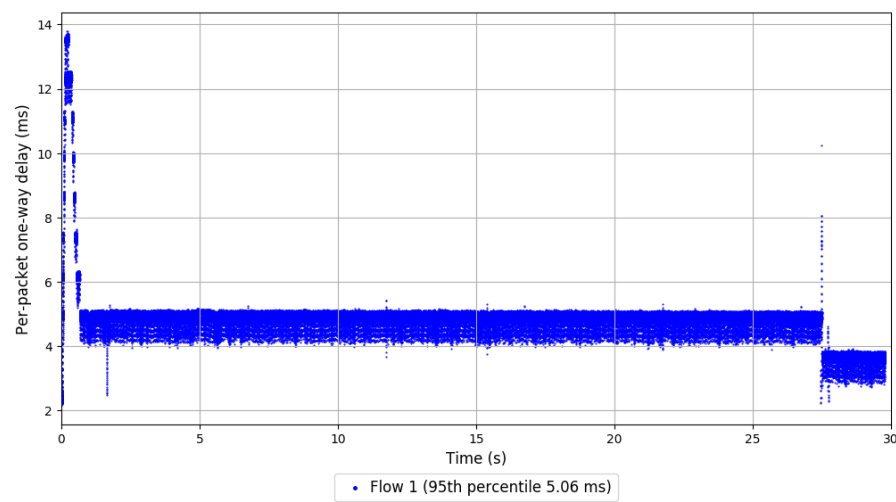
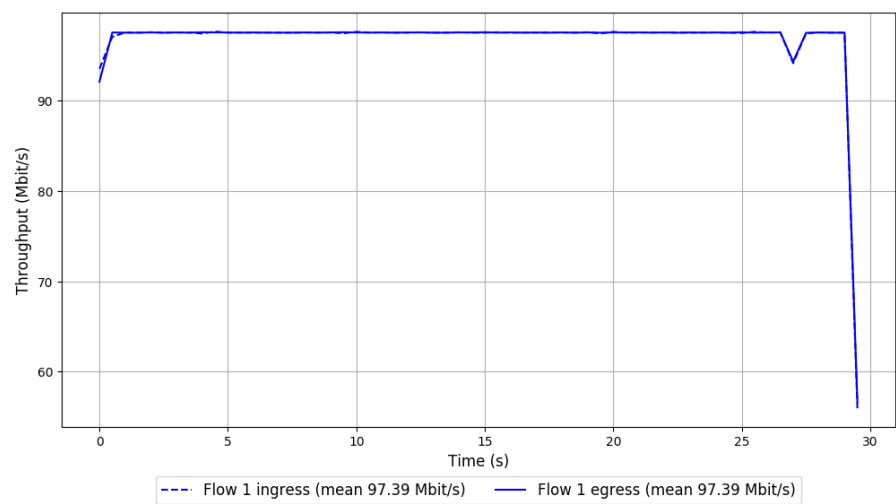


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-27 15:46:16
End at: 2018-02-27 15:46:46
Local clock offset: -7.546 ms
Remote clock offset: -6.185 ms

Below is generated by plot.py at 2018-02-27 18:36:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.057 ms
Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-27 16:06:43

End at: 2018-02-27 16:07:13

Local clock offset: -6.28 ms

Remote clock offset: -5.951 ms

Below is generated by plot.py at 2018-02-27 18:37:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 5.141 ms

Loss rate: 0.00%

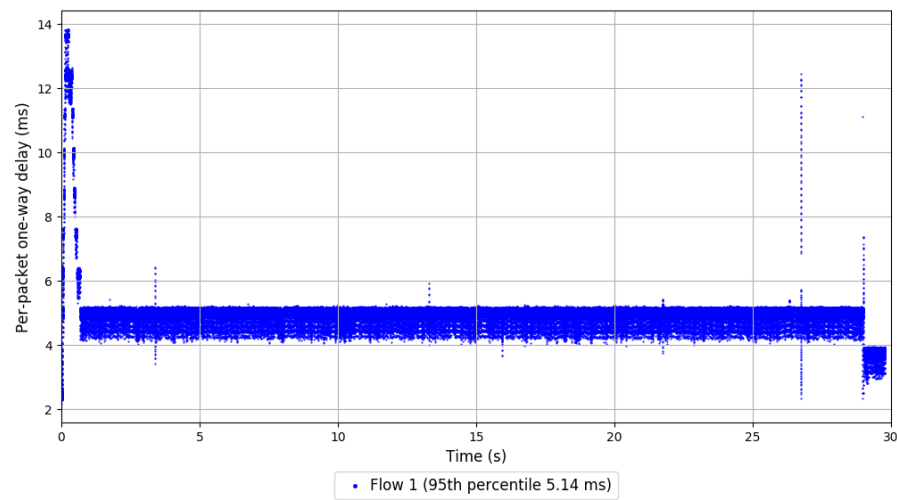
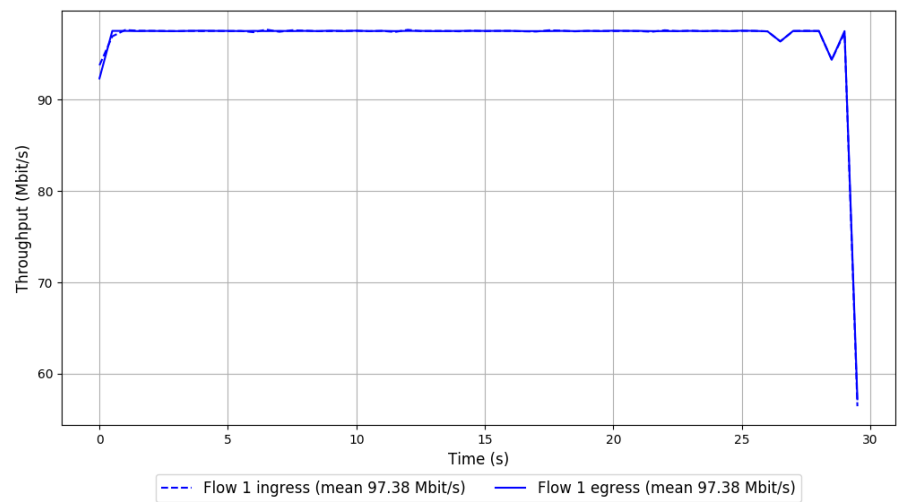
-- Flow 1:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 5.141 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-27 16:27:03

End at: 2018-02-27 16:27:33

Local clock offset: -6.158 ms

Remote clock offset: -6.558 ms

Below is generated by plot.py at 2018-02-27 18:37:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 5.180 ms

Loss rate: 0.00%

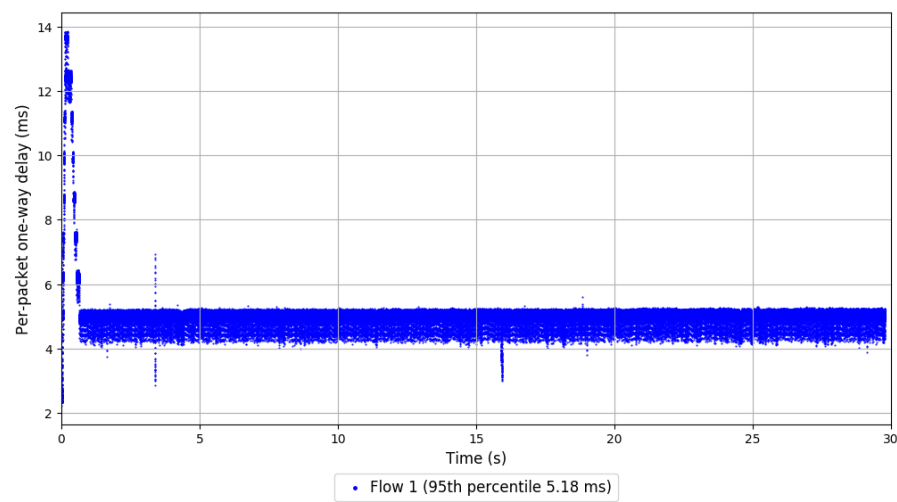
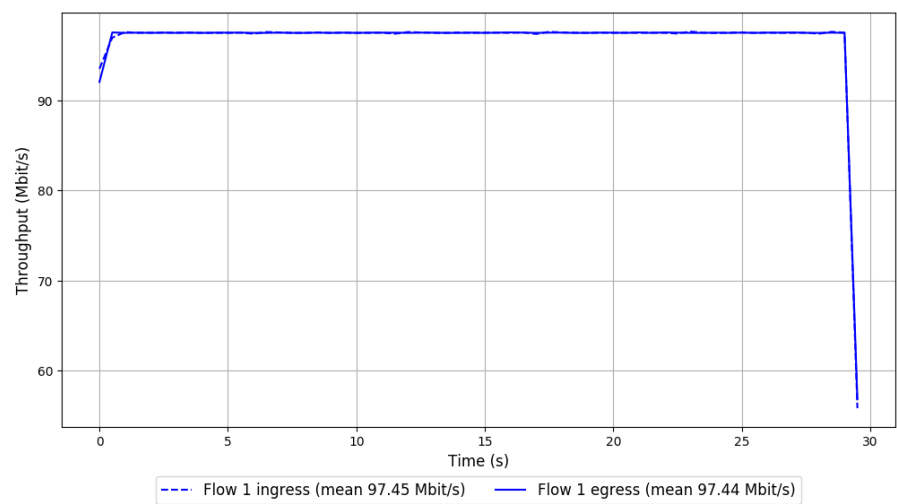
-- Flow 1:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 5.180 ms

Loss rate: 0.00%

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

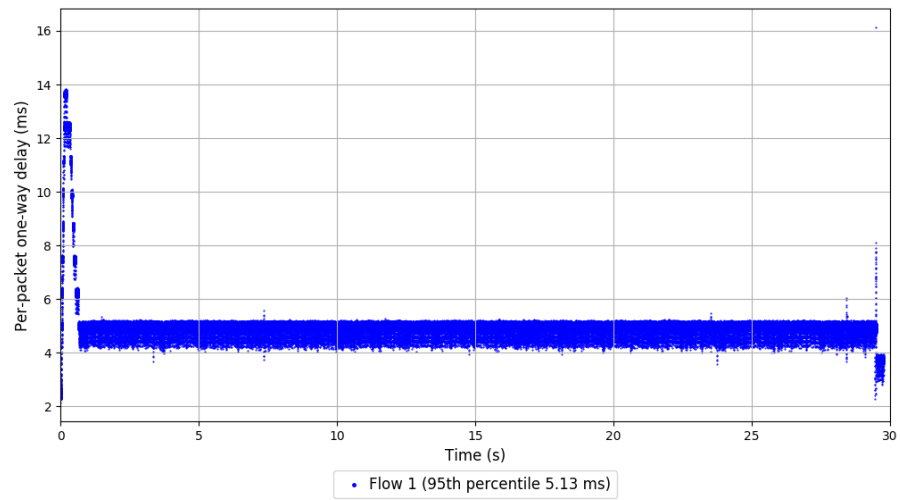
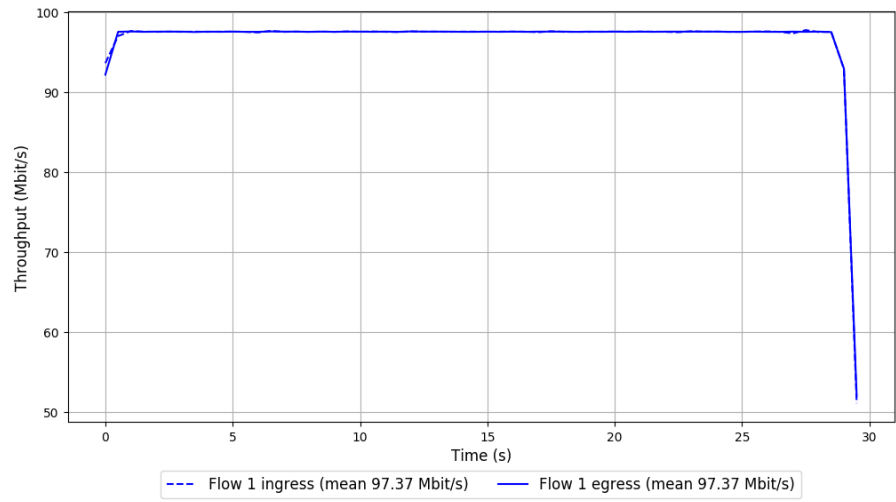


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-27 16:47:27
End at: 2018-02-27 16:47:57
Local clock offset: -5.819 ms
Remote clock offset: -6.536 ms

Below is generated by plot.py at 2018-02-27 18:37:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 5.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 5.132 ms
Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-27 17:07:47

End at: 2018-02-27 17:08:18

Local clock offset: -6.437 ms

Remote clock offset: -6.45 ms

Below is generated by plot.py at 2018-02-27 18:37:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 5.148 ms

Loss rate: 0.00%

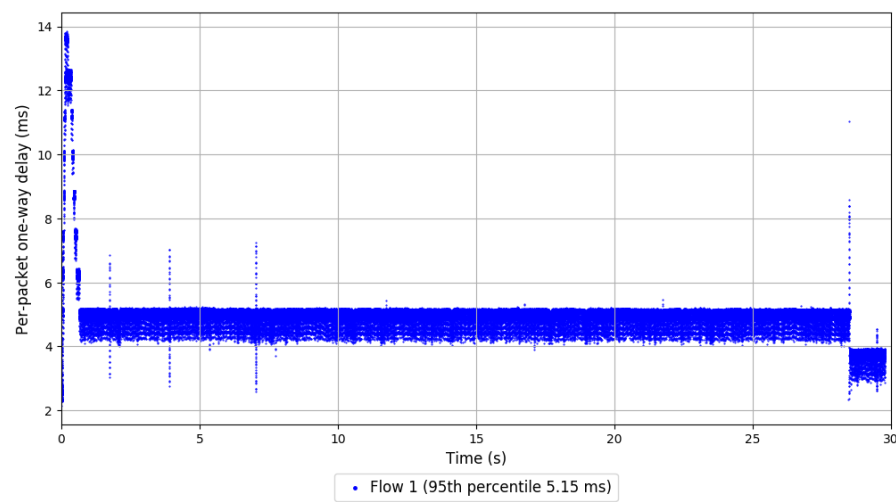
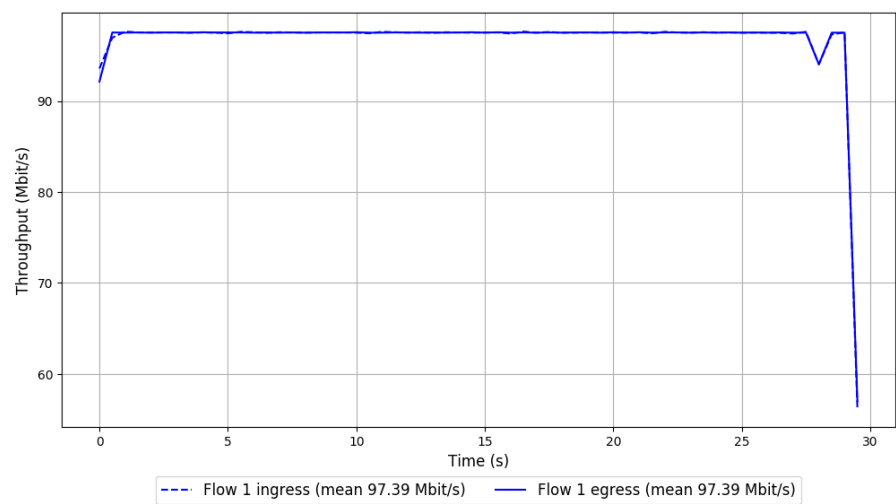
-- Flow 1:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 5.148 ms

Loss rate: 0.00%

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

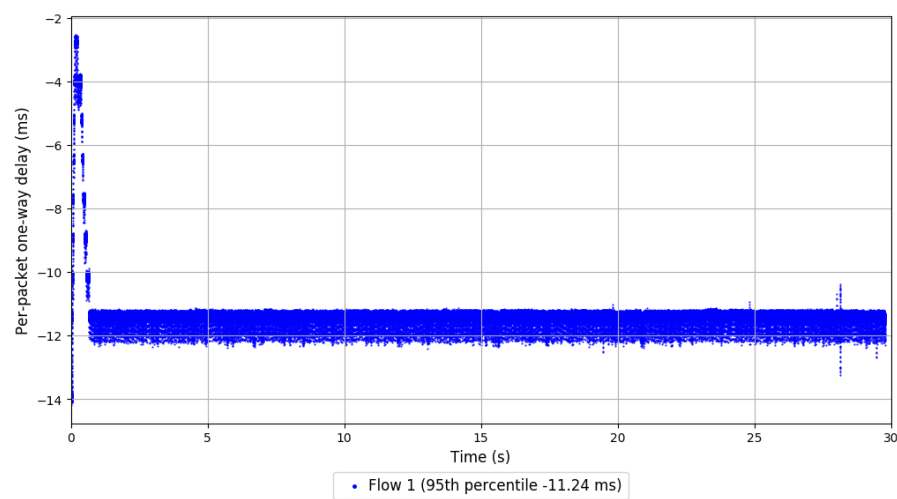
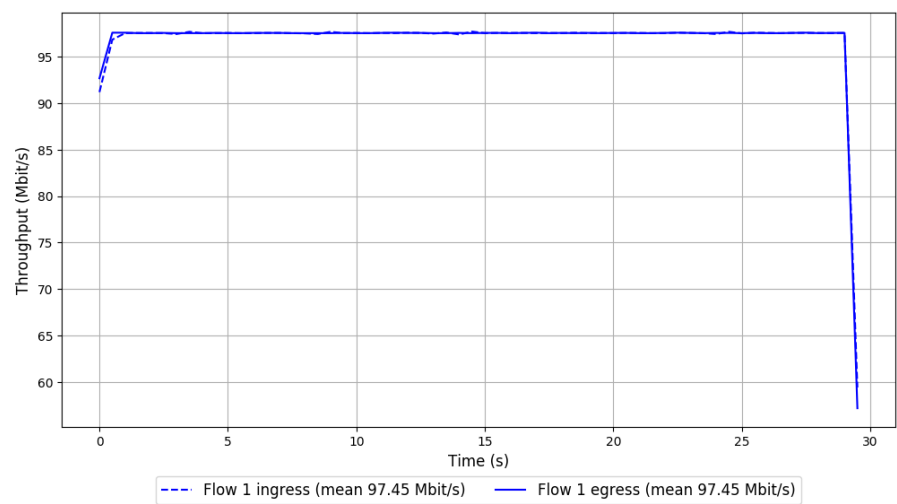


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-27 17:27:59
End at: 2018-02-27 17:28:29
Local clock offset: -6.854 ms
Remote clock offset: -22.944 ms

Below is generated by plot.py at 2018-02-27 18:38:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: -11.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: -11.241 ms
Loss rate: 0.00%

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

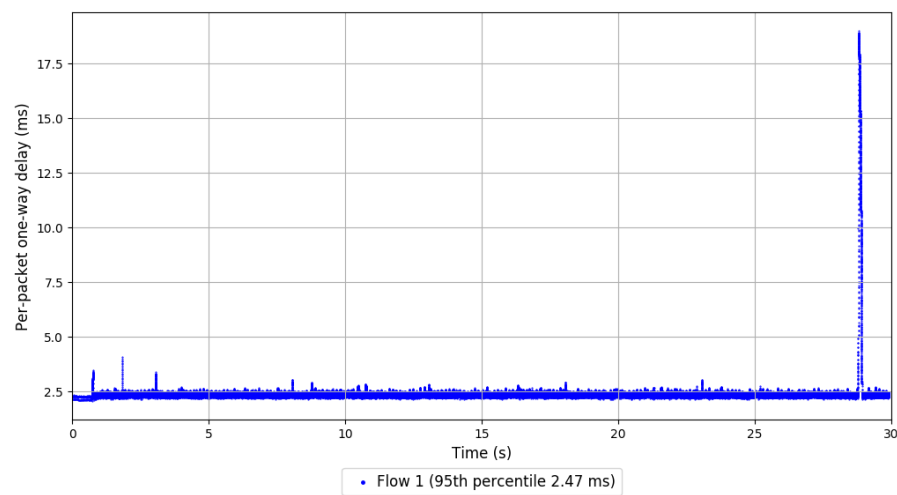
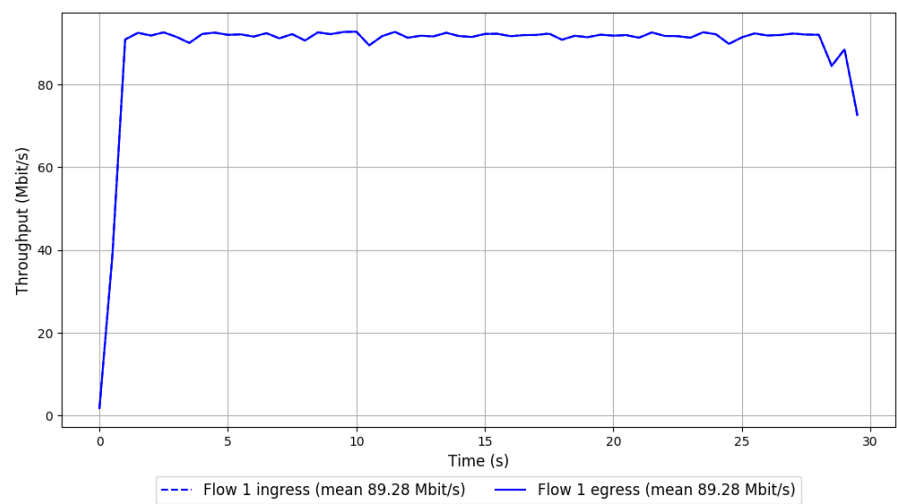


Run 1: Statistics of Vivace-latency

Start at: 2018-02-27 14:23:57
End at: 2018-02-27 14:24:27
Local clock offset: -6.122 ms
Remote clock offset: -6.765 ms

Below is generated by plot.py at 2018-02-27 18:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.28 Mbit/s
95th percentile per-packet one-way delay: 2.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.28 Mbit/s
95th percentile per-packet one-way delay: 2.473 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

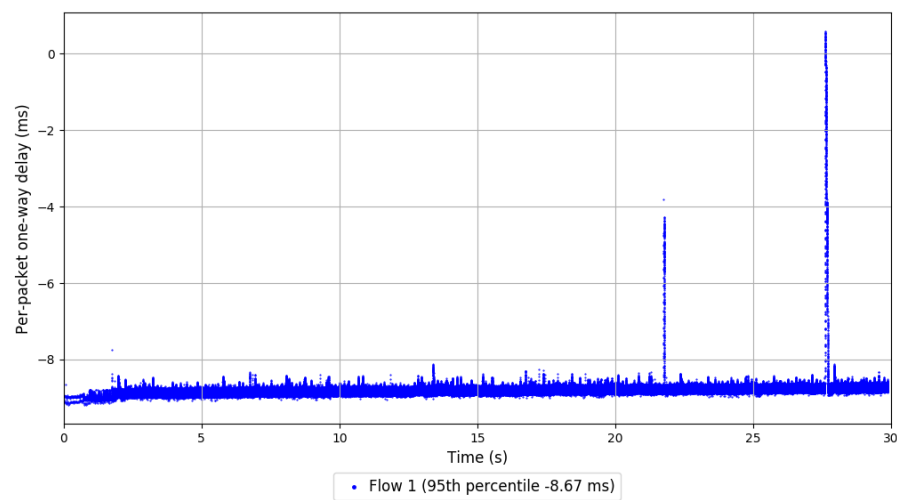
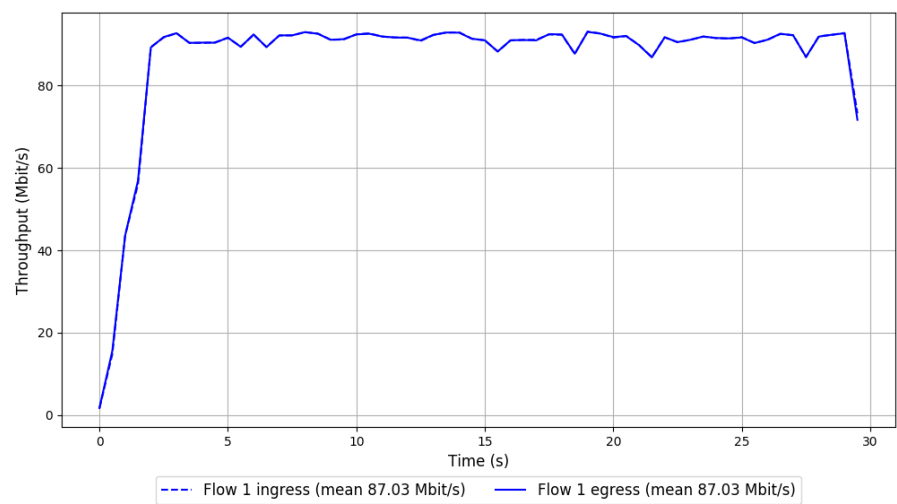


Run 2: Statistics of Vivace-latency

Start at: 2018-02-27 14:44:18
End at: 2018-02-27 14:44:48
Local clock offset: -5.196 ms
Remote clock offset: -18.534 ms

Below is generated by plot.py at 2018-02-27 18:38:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: -8.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: -8.673 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

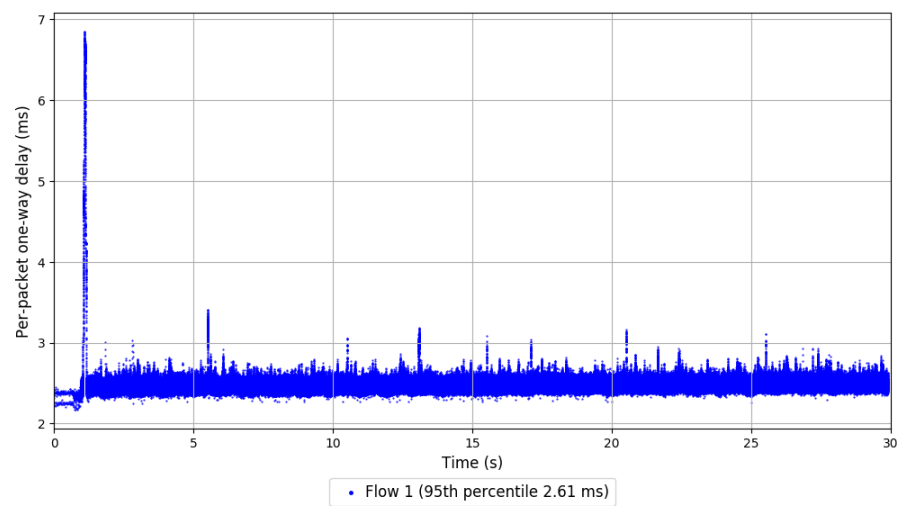
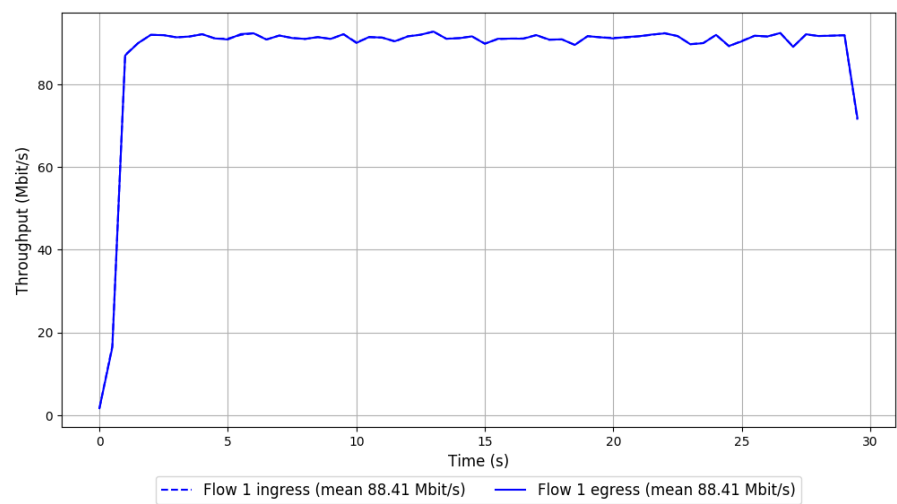


Run 3: Statistics of Vivace-latency

Start at: 2018-02-27 15:04:38
End at: 2018-02-27 15:05:08
Local clock offset: -2.312 ms
Remote clock offset: -7.433 ms

Below is generated by plot.py at 2018-02-27 18:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 2.606 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 2.606 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-27 15:24:56

End at: 2018-02-27 15:25:26

Local clock offset: -5.294 ms

Remote clock offset: -6.48 ms

Below is generated by plot.py at 2018-02-27 18:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.65 Mbit/s

95th percentile per-packet one-way delay: 43.395 ms

Loss rate: 0.52%

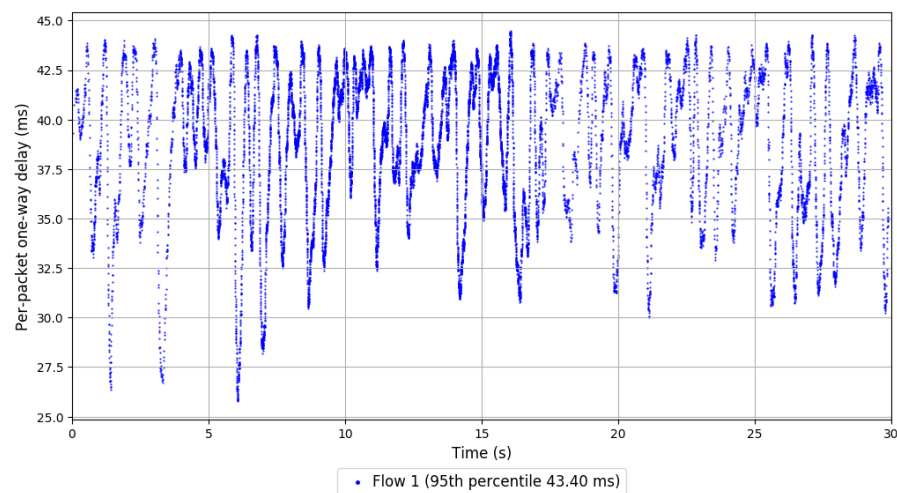
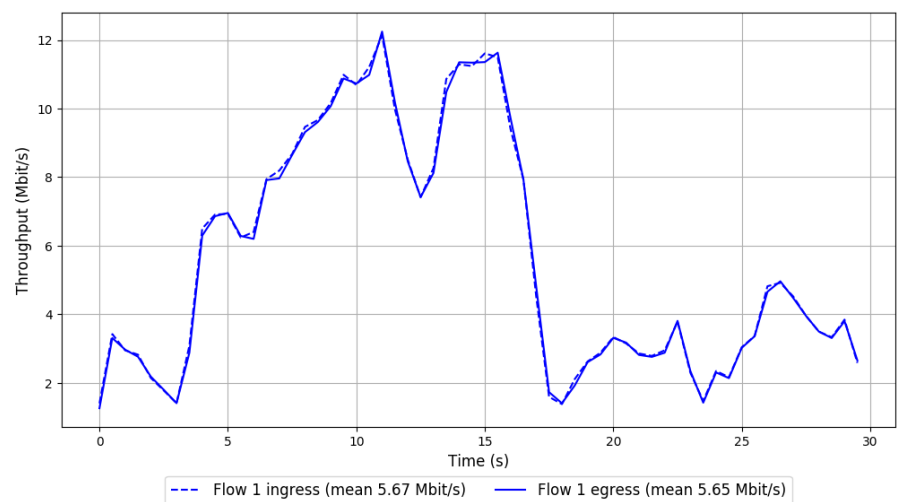
-- Flow 1:

Average throughput: 5.65 Mbit/s

95th percentile per-packet one-way delay: 43.395 ms

Loss rate: 0.52%

Run 4: Report of Vivace-latency — Data Link

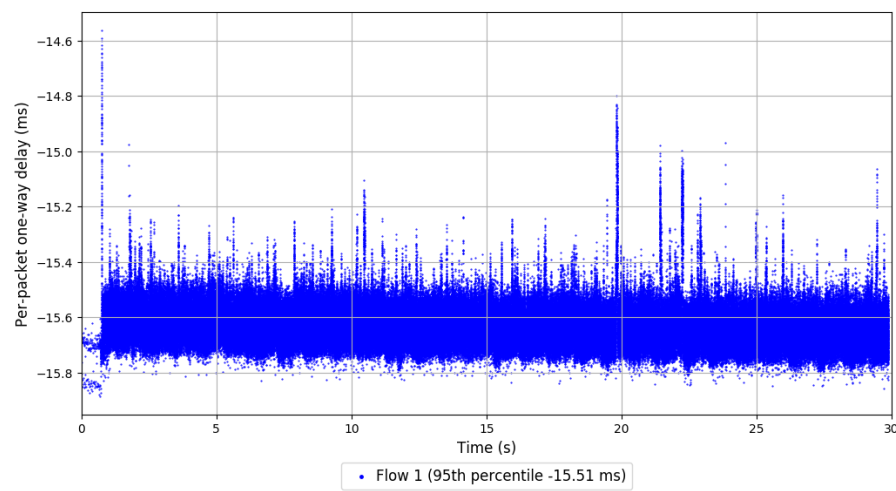
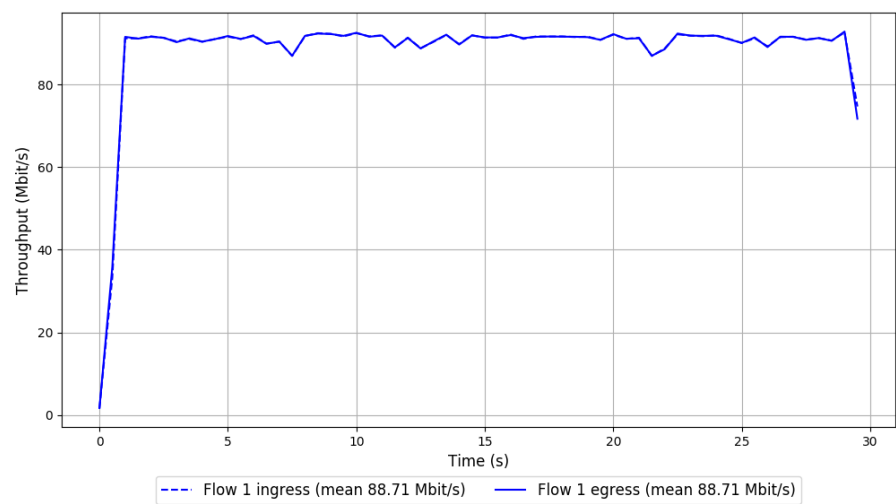


Run 5: Statistics of Vivace-latency

Start at: 2018-02-27 15:45:07
End at: 2018-02-27 15:45:37
Local clock offset: -7.507 ms
Remote clock offset: -24.249 ms

Below is generated by plot.py at 2018-02-27 18:38:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: -15.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: -15.506 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

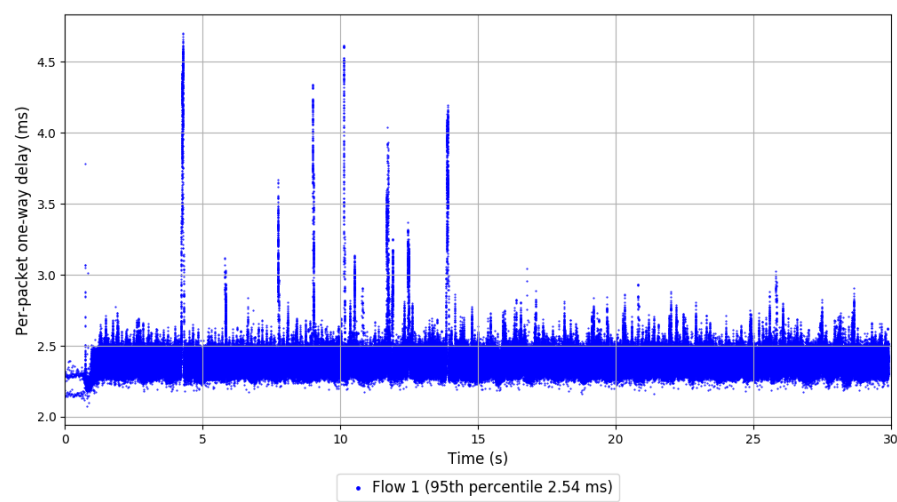
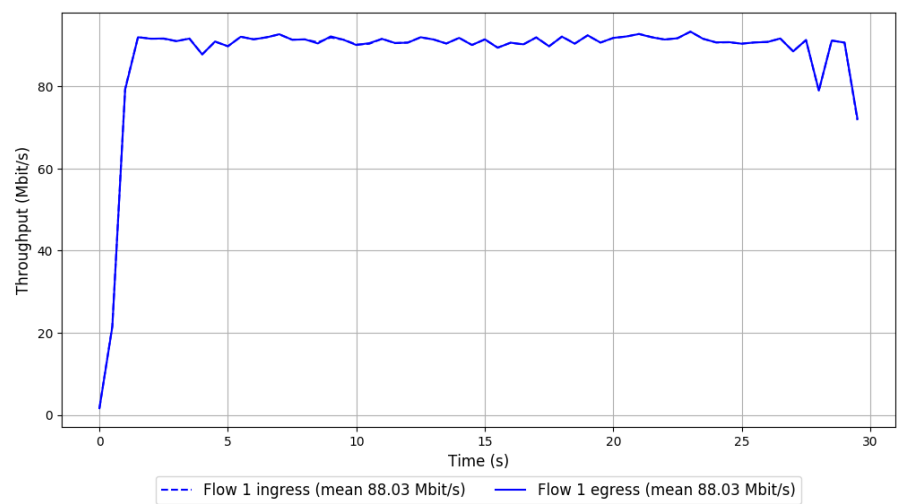


Run 6: Statistics of Vivace-latency

Start at: 2018-02-27 16:05:34
End at: 2018-02-27 16:06:04
Local clock offset: -6.286 ms
Remote clock offset: -6.019 ms

Below is generated by plot.py at 2018-02-27 18:38:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 2.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 2.535 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

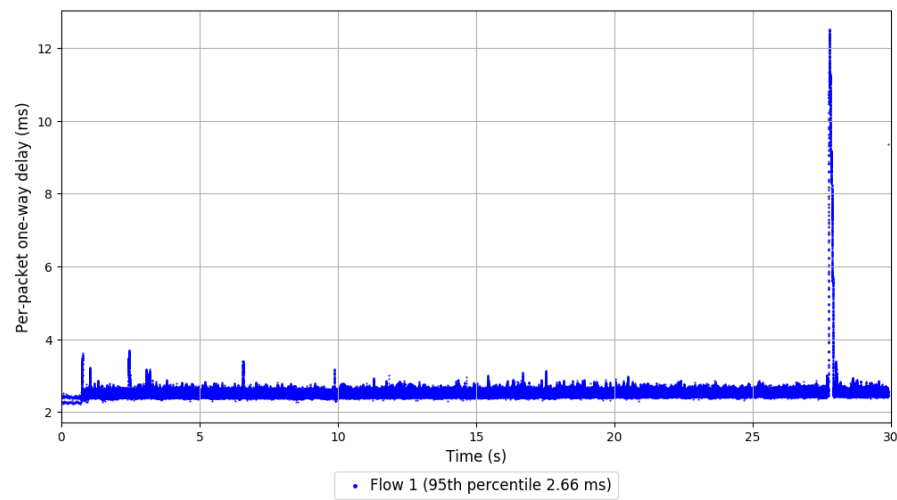
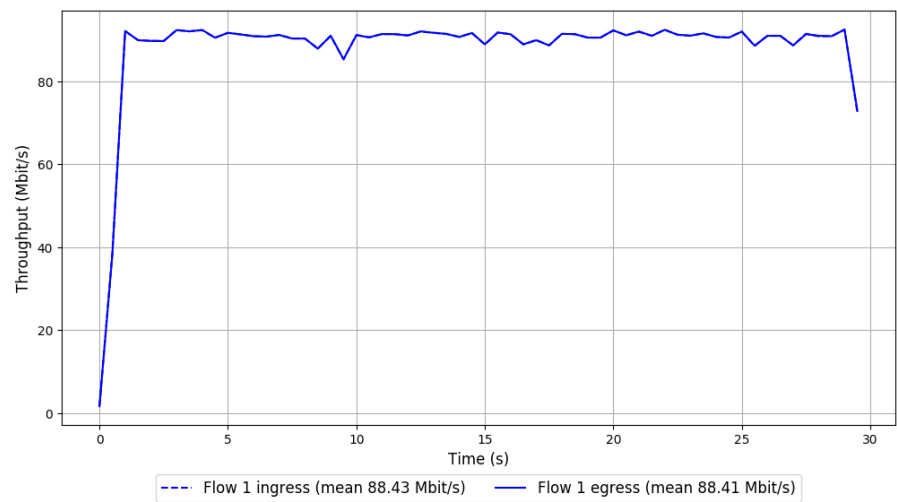


Run 7: Statistics of Vivace-latency

Start at: 2018-02-27 16:25:54
End at: 2018-02-27 16:26:24
Local clock offset: -6.249 ms
Remote clock offset: -6.536 ms

Below is generated by plot.py at 2018-02-27 18:38:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 2.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 2.662 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

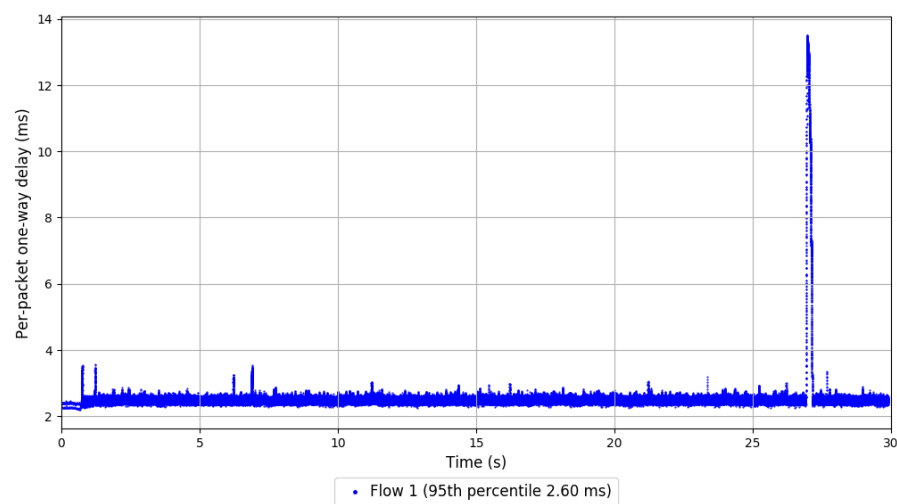
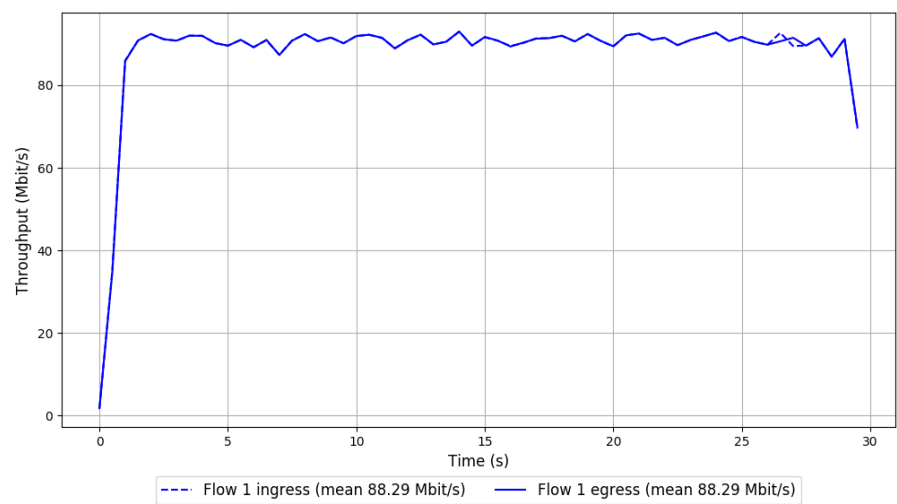


Run 8: Statistics of Vivace-latency

Start at: 2018-02-27 16:46:18
End at: 2018-02-27 16:46:48
Local clock offset: -5.831 ms
Remote clock offset: -6.532 ms

Below is generated by plot.py at 2018-02-27 18:39:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 2.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 2.605 ms
Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

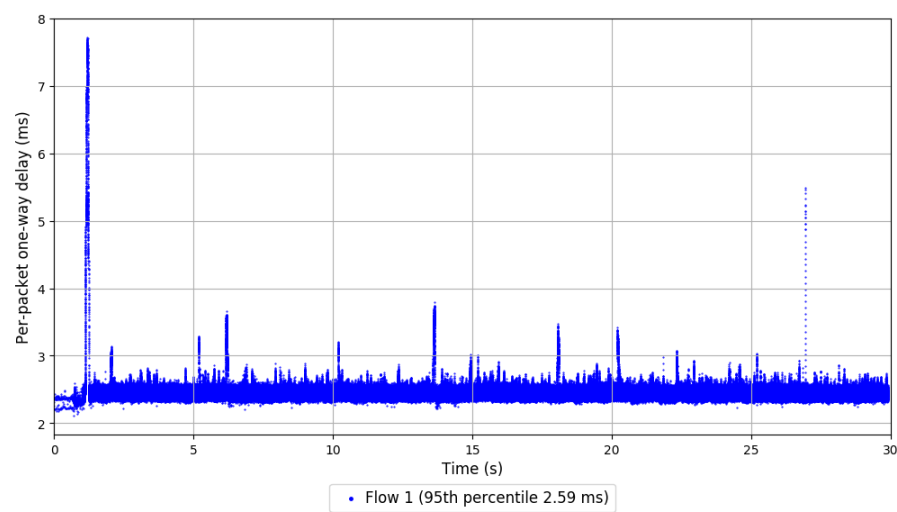
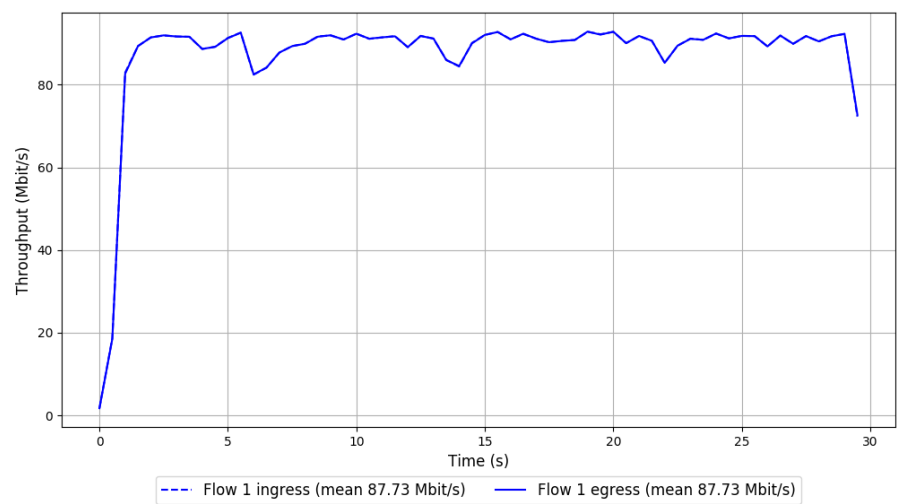


Run 9: Statistics of Vivace-latency

Start at: 2018-02-27 17:06:38
End at: 2018-02-27 17:07:09
Local clock offset: -6.334 ms
Remote clock offset: -6.382 ms

Below is generated by plot.py at 2018-02-27 18:39:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 2.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 2.586 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

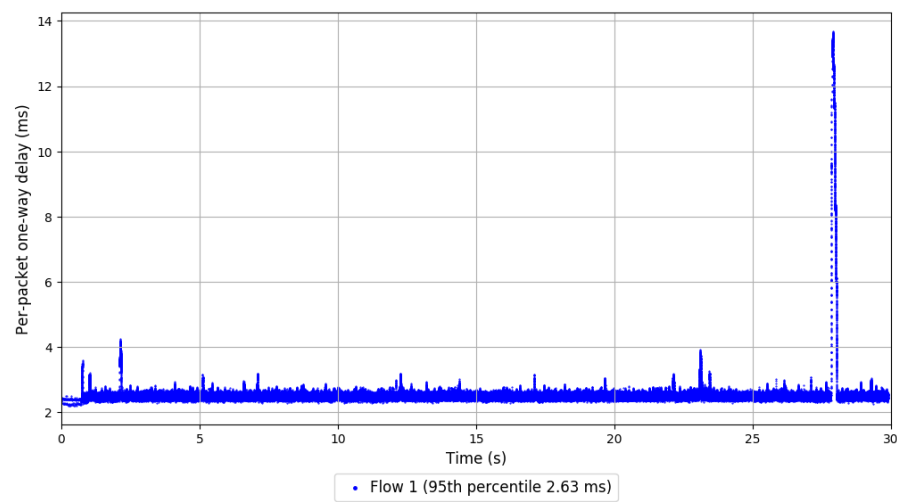
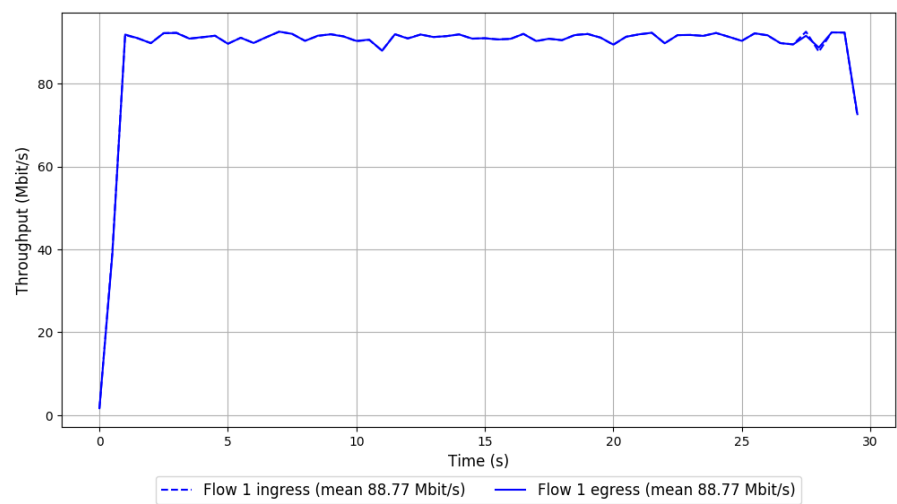


Run 10: Statistics of Vivace-latency

Start at: 2018-02-27 17:26:50
End at: 2018-02-27 17:27:20
Local clock offset: -6.859 ms
Remote clock offset: -6.535 ms

Below is generated by plot.py at 2018-02-27 18:39:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 2.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 2.629 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-02-27 14:36:16

End at: 2018-02-27 14:36:46

Local clock offset: -6.303 ms

Remote clock offset: -6.865 ms

Below is generated by plot.py at 2018-02-27 18:39:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.70 Mbit/s

95th percentile per-packet one-way delay: 32.068 ms

Loss rate: 3.04%

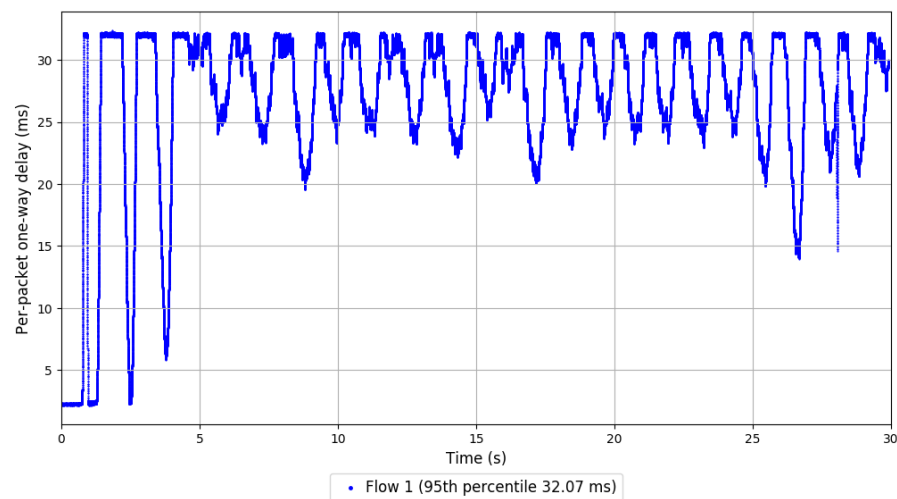
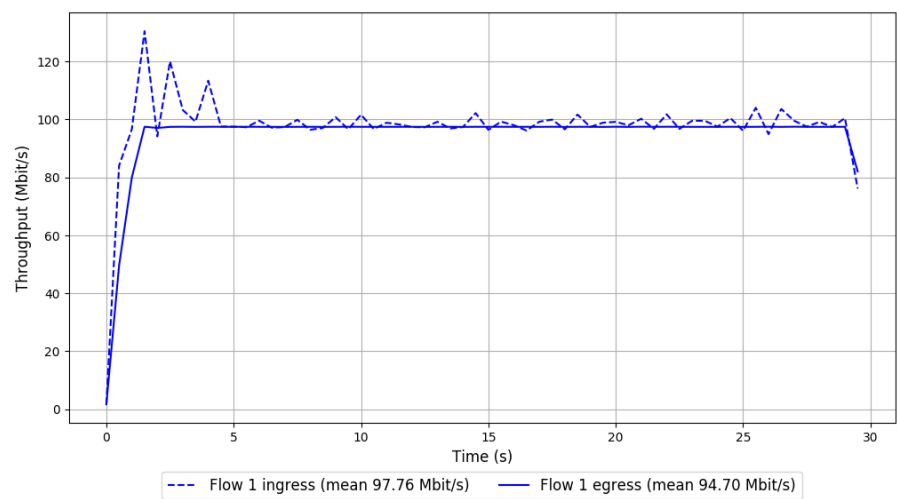
-- Flow 1:

Average throughput: 94.70 Mbit/s

95th percentile per-packet one-way delay: 32.068 ms

Loss rate: 3.04%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-27 14:56:36

End at: 2018-02-27 14:57:06

Local clock offset: -2.964 ms

Remote clock offset: -7.33 ms

Below is generated by plot.py at 2018-02-27 18:39:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 32.182 ms

Loss rate: 2.64%

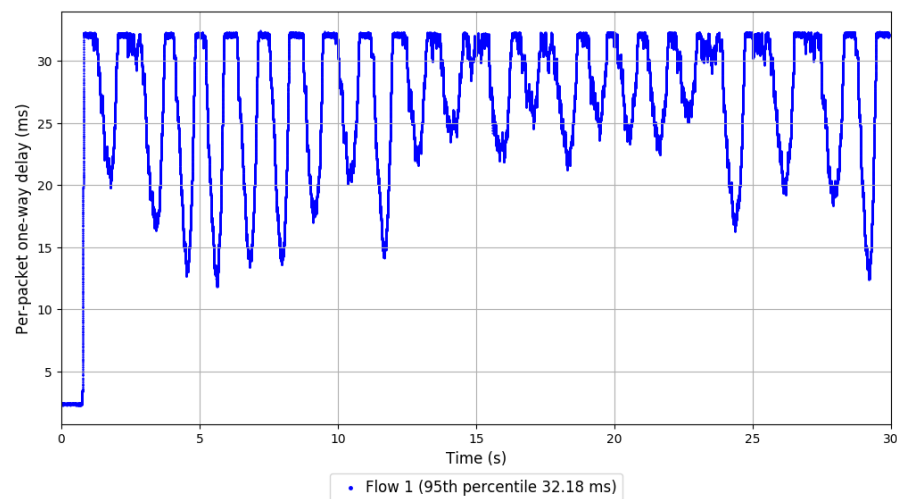
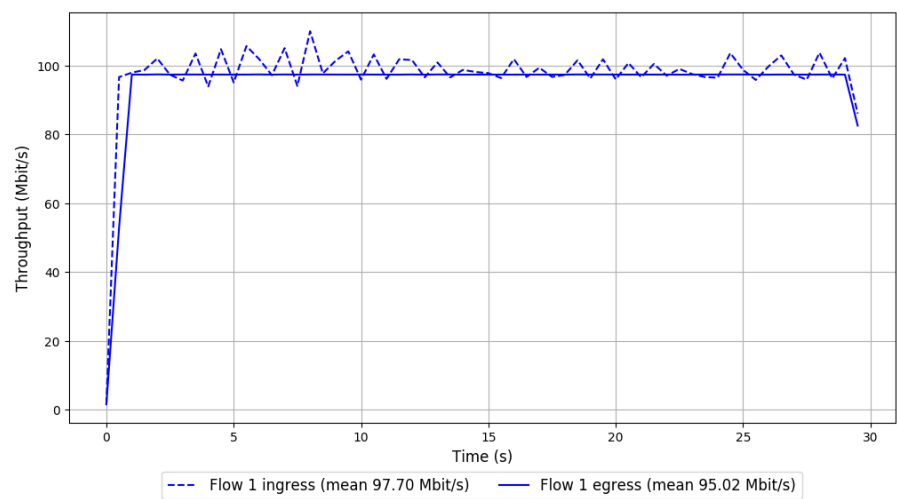
-- Flow 1:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 32.182 ms

Loss rate: 2.64%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-27 15:16:53

End at: 2018-02-27 15:17:23

Local clock offset: -2.737 ms

Remote clock offset: -6.729 ms

Below is generated by plot.py at 2018-02-27 18:39:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.03 Mbit/s

95th percentile per-packet one-way delay: 71.455 ms

Loss rate: 3.14%

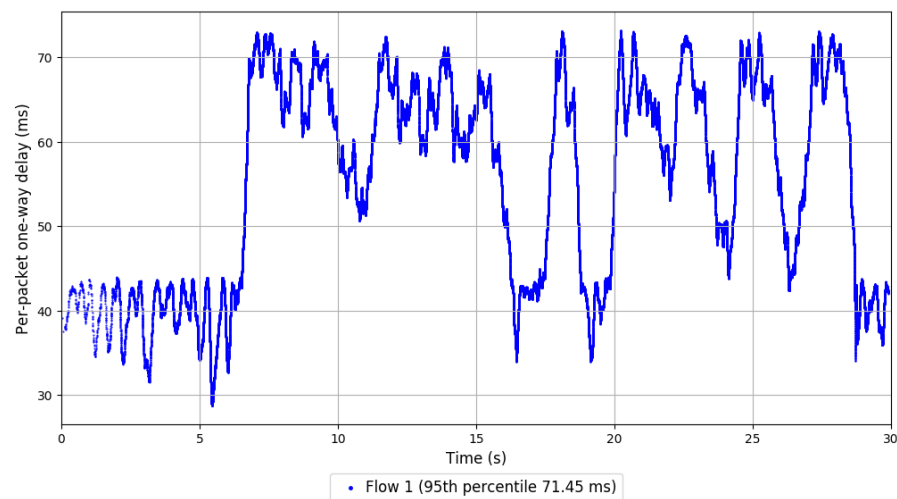
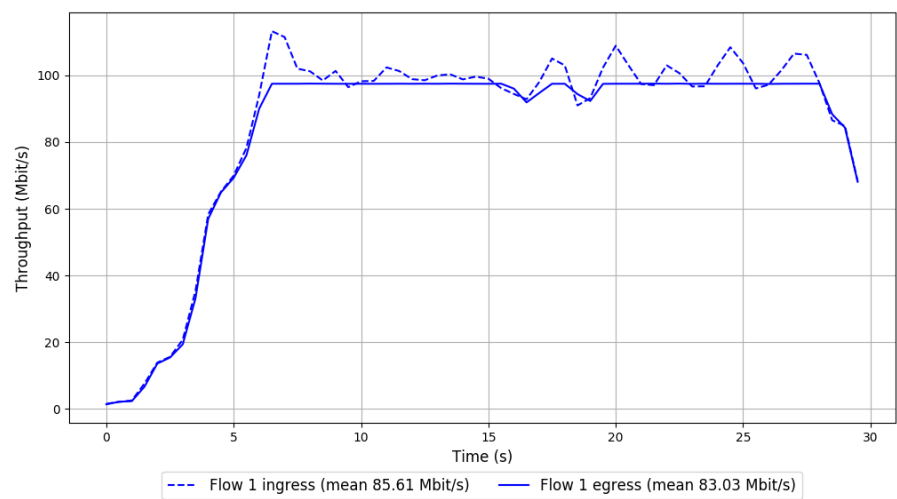
-- Flow 1:

Average throughput: 83.03 Mbit/s

95th percentile per-packet one-way delay: 71.455 ms

Loss rate: 3.14%

Run 3: Report of Vivace-loss — Data Link

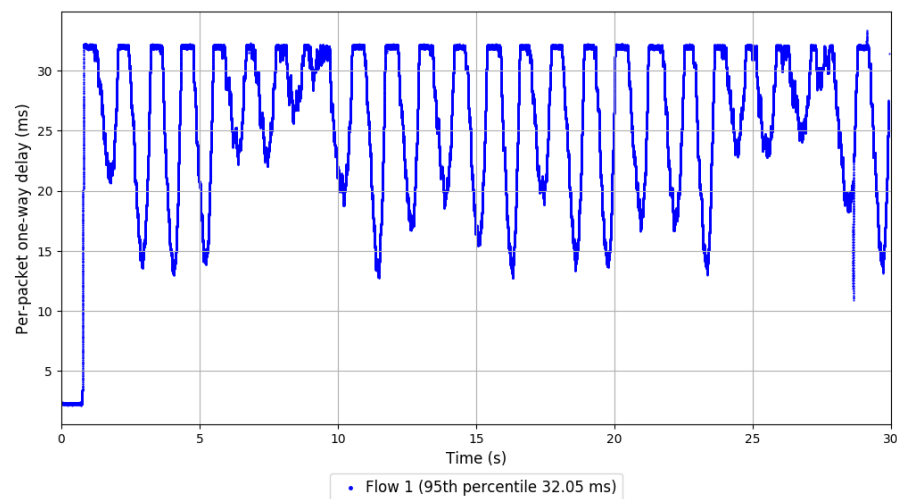
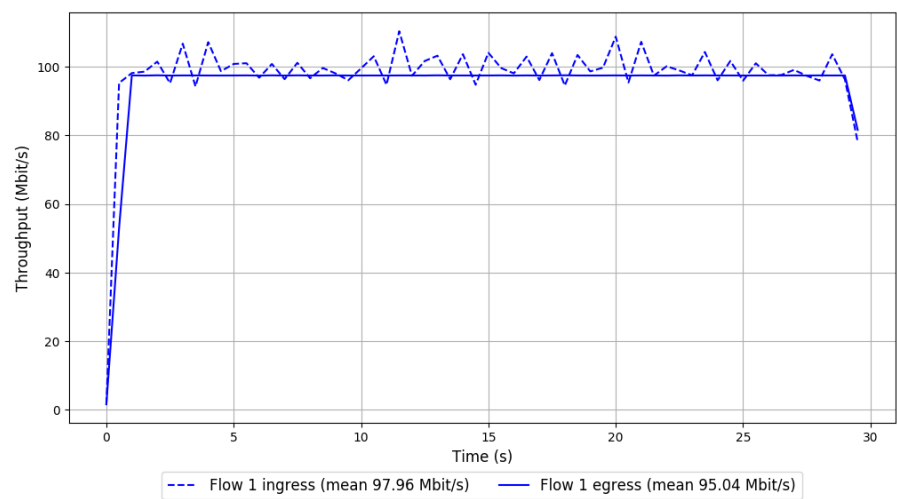


Run 4: Statistics of Vivace-loss

Start at: 2018-02-27 15:37:07
End at: 2018-02-27 15:37:37
Local clock offset: -6.869 ms
Remote clock offset: -6.294 ms

Below is generated by plot.py at 2018-02-27 18:40:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.050 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.050 ms
Loss rate: 2.88%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-27 15:57:24

End at: 2018-02-27 15:57:54

Local clock offset: -6.604 ms

Remote clock offset: -6.052 ms

Below is generated by plot.py at 2018-02-27 18:40:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 32.135 ms

Loss rate: 2.24%

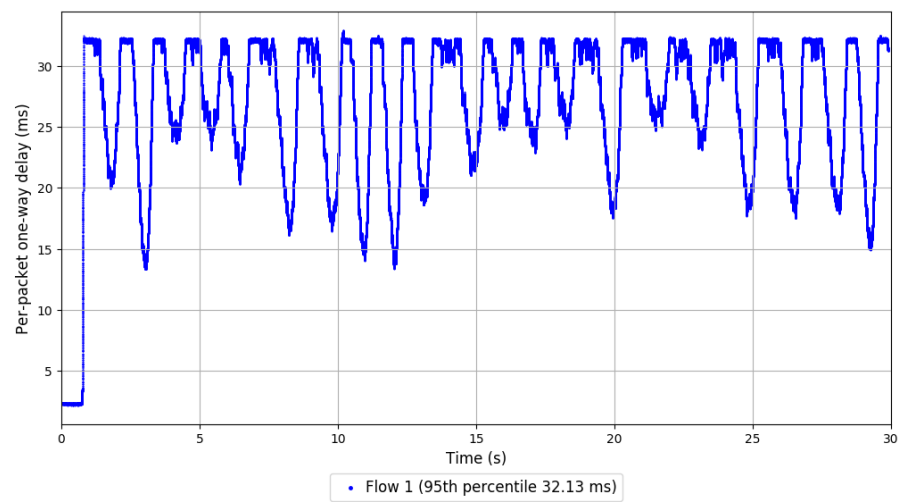
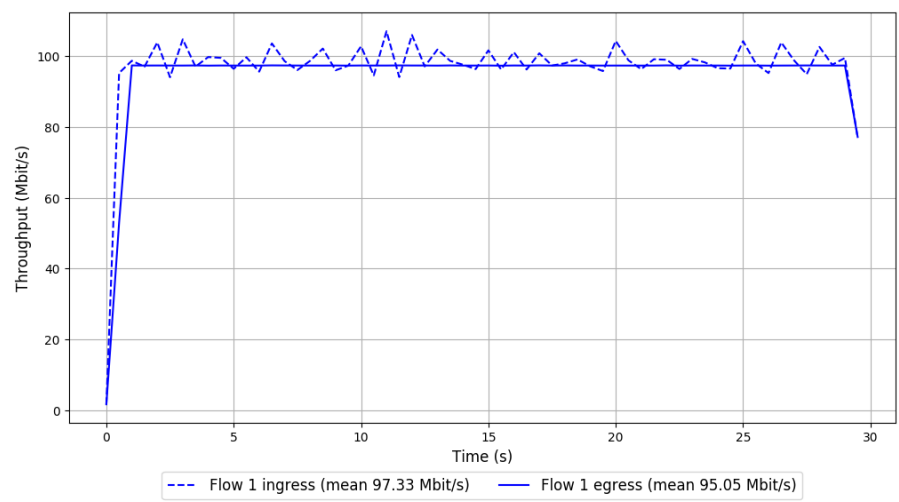
-- Flow 1:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 32.135 ms

Loss rate: 2.24%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-27 16:17:53

End at: 2018-02-27 16:18:23

Local clock offset: -6.418 ms

Remote clock offset: -6.092 ms

Below is generated by plot.py at 2018-02-27 18:40:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.75 Mbit/s

95th percentile per-packet one-way delay: 32.224 ms

Loss rate: 4.24%

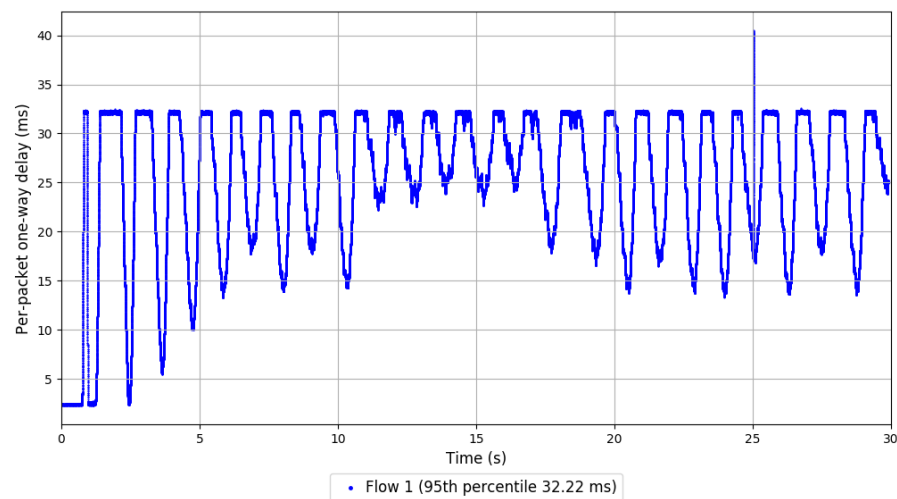
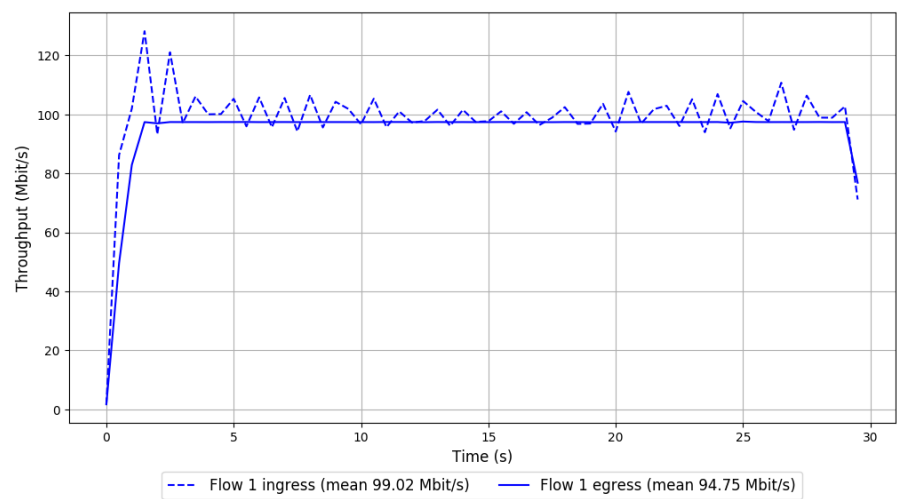
-- Flow 1:

Average throughput: 94.75 Mbit/s

95th percentile per-packet one-way delay: 32.224 ms

Loss rate: 4.24%

Run 6: Report of Vivace-loss — Data Link

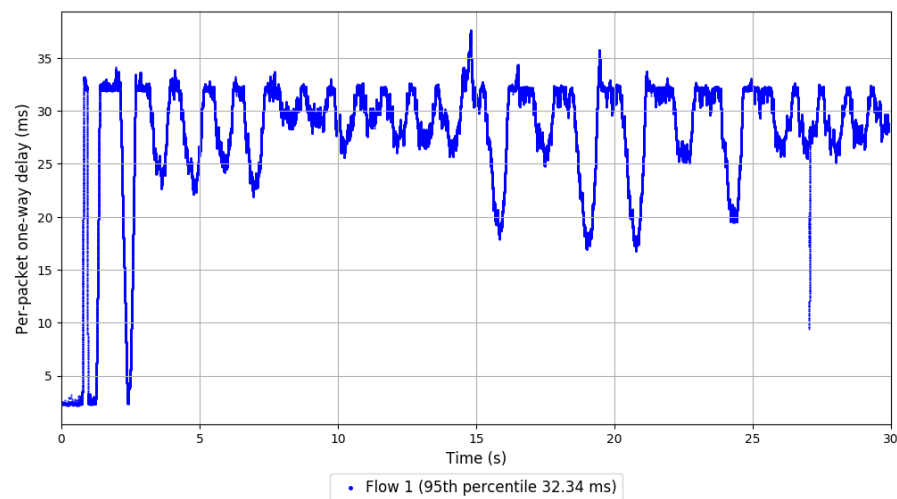
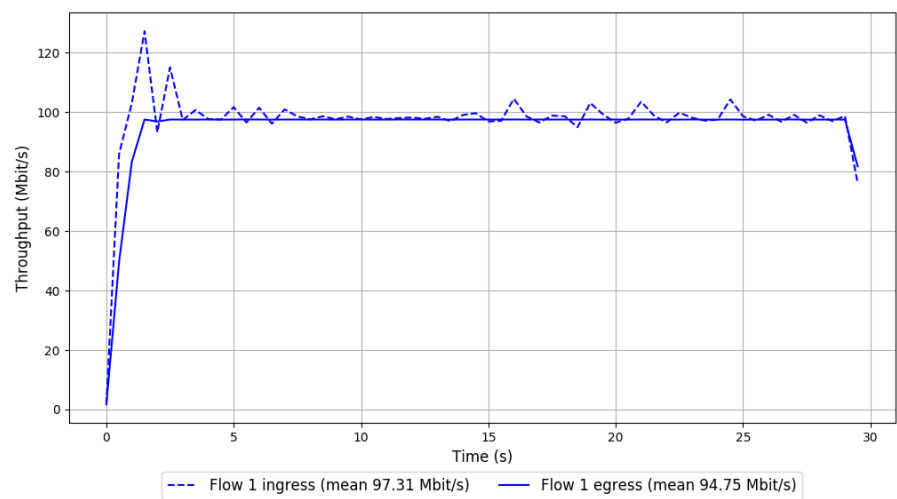


Run 7: Statistics of Vivace-loss

Start at: 2018-02-27 16:38:12
End at: 2018-02-27 16:38:42
Local clock offset: -5.823 ms
Remote clock offset: -6.599 ms

Below is generated by plot.py at 2018-02-27 18:41:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 32.344 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 32.344 ms
Loss rate: 2.55%

Run 7: Report of Vivace-loss — Data Link

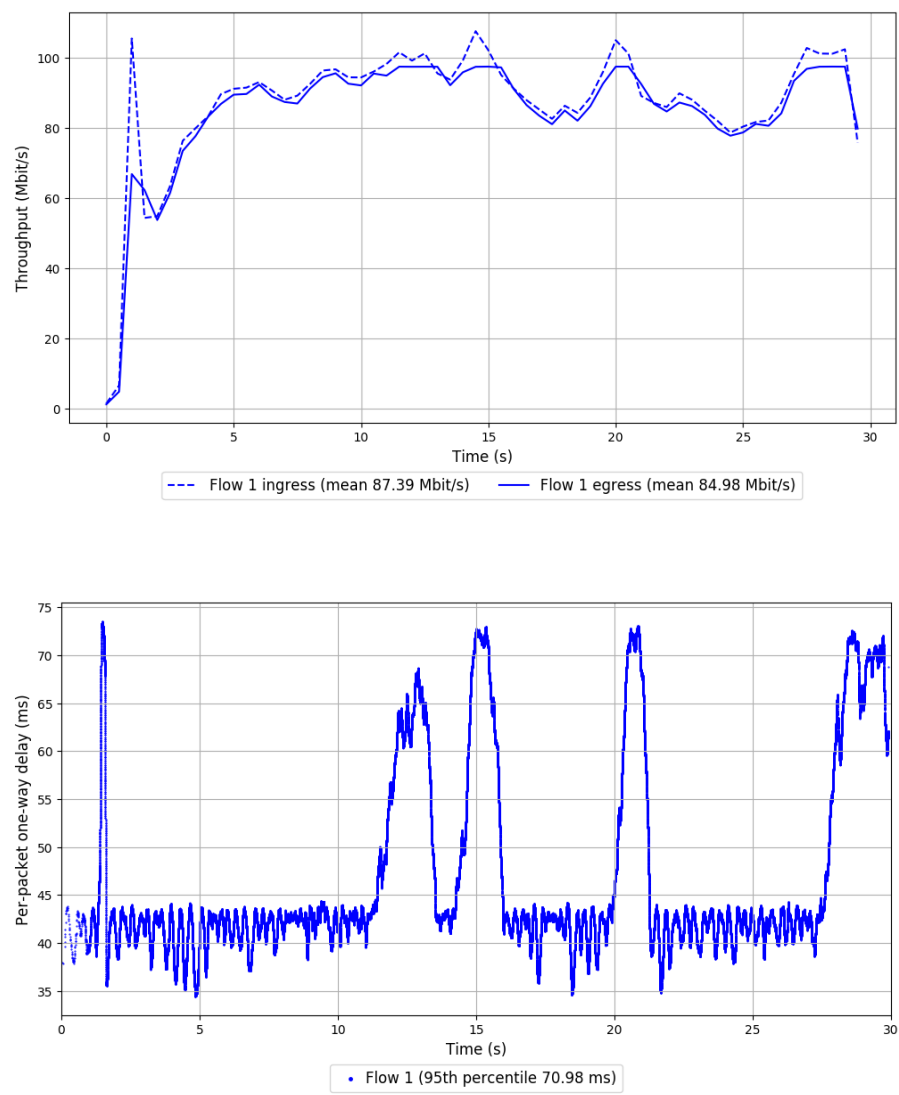


Run 8: Statistics of Vivace-loss

Start at: 2018-02-27 16:58:36
End at: 2018-02-27 16:59:06
Local clock offset: -6.075 ms
Remote clock offset: -6.457 ms

Below is generated by plot.py at 2018-02-27 18:41:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 70.981 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 70.981 ms
Loss rate: 2.79%

Run 8: Report of Vivace-loss — Data Link

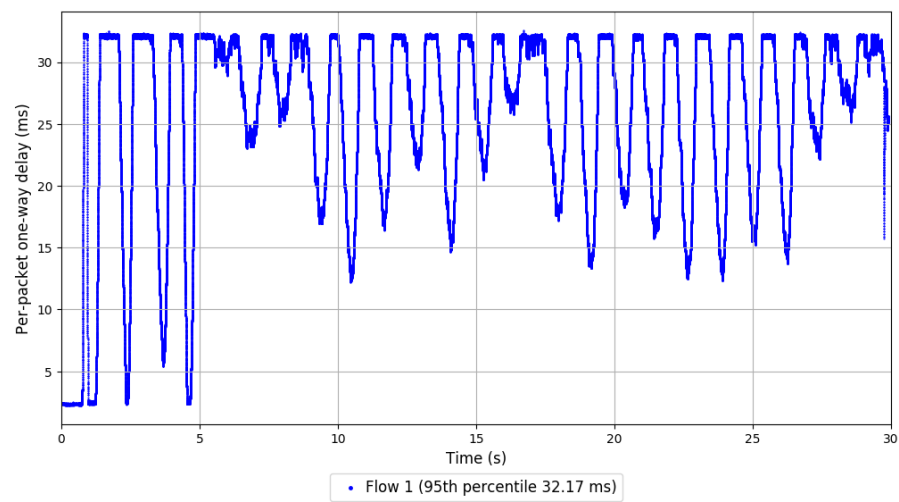
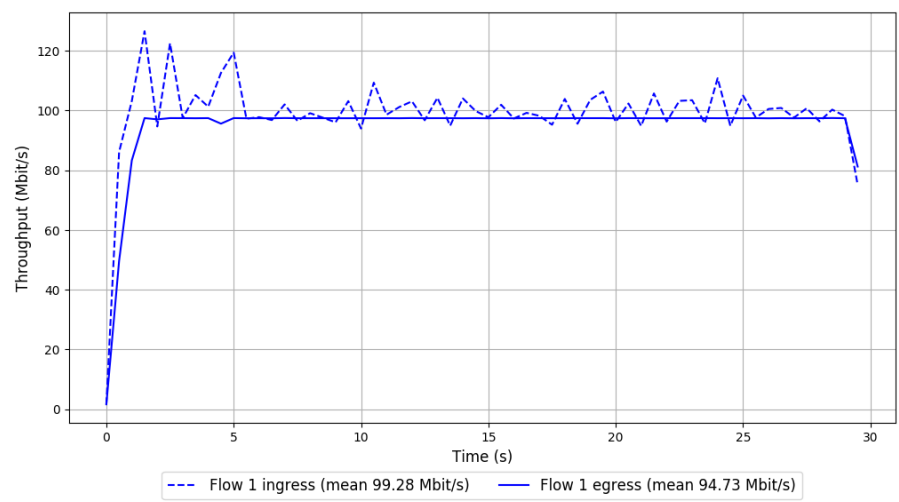


Run 9: Statistics of Vivace-loss

Start at: 2018-02-27 17:18:57
End at: 2018-02-27 17:19:27
Local clock offset: -6.744 ms
Remote clock offset: -6.402 ms

Below is generated by plot.py at 2018-02-27 18:41:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 32.169 ms
Loss rate: 4.51%
-- Flow 1:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 32.169 ms
Loss rate: 4.51%

Run 9: Report of Vivace-loss — Data Link

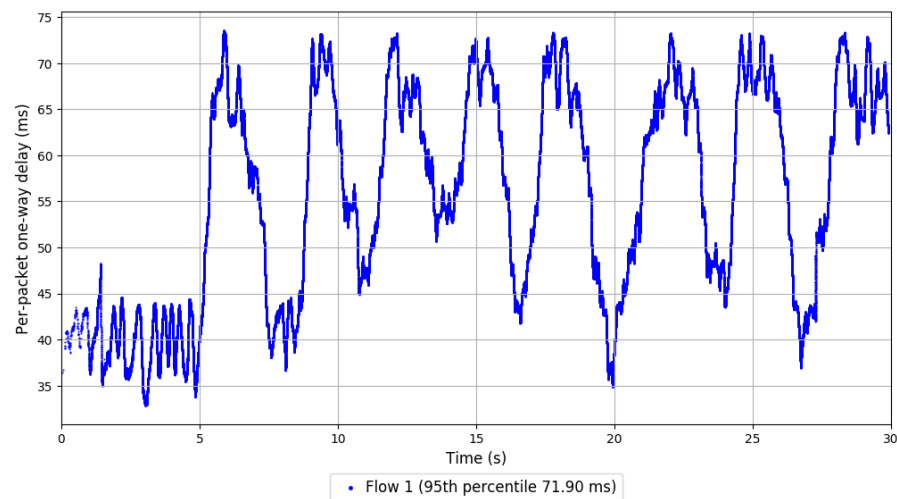
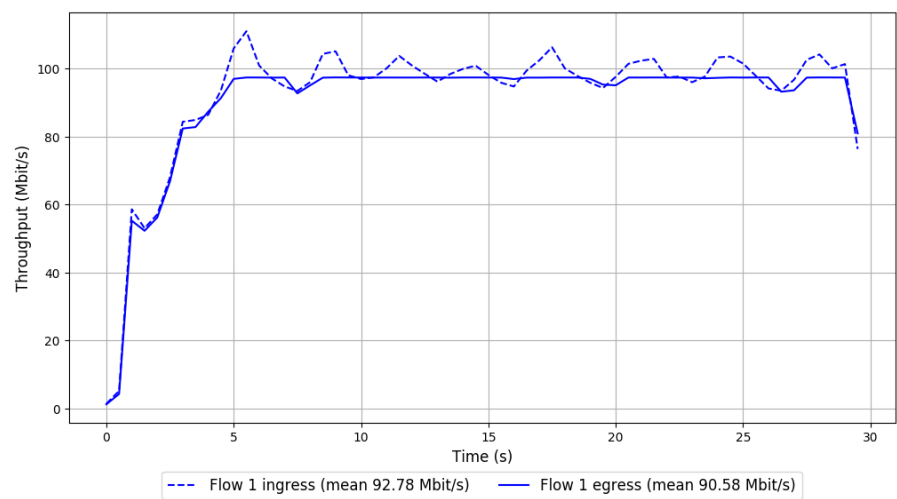


Run 10: Statistics of Vivace-loss

Start at: 2018-02-27 17:39:08
End at: 2018-02-27 17:39:38
Local clock offset: -6.706 ms
Remote clock offset: -6.907 ms

Below is generated by plot.py at 2018-02-27 18:41:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 71.896 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 71.896 ms
Loss rate: 2.41%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-27 14:21:37

End at: 2018-02-27 14:22:07

Local clock offset: -6.07 ms

Remote clock offset: -6.681 ms

Below is generated by plot.py at 2018-02-27 18:41:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.99 Mbit/s

95th percentile per-packet one-way delay: 2.703 ms

Loss rate: 0.03%

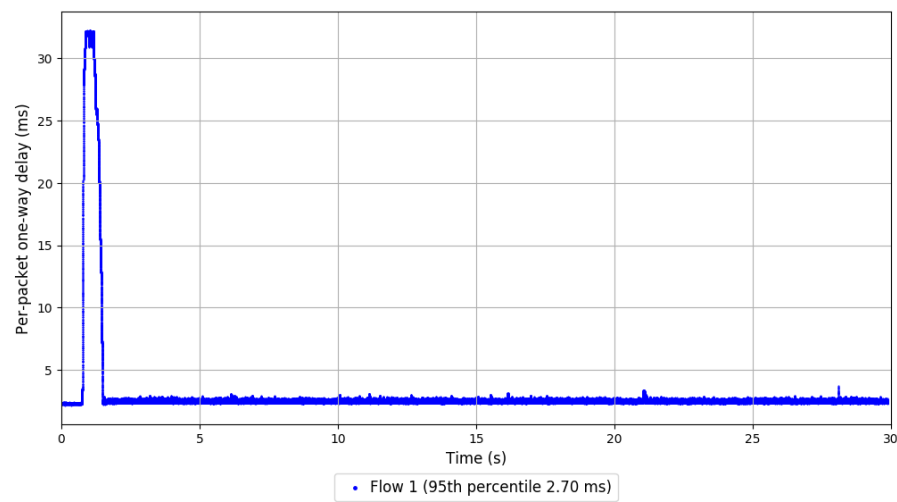
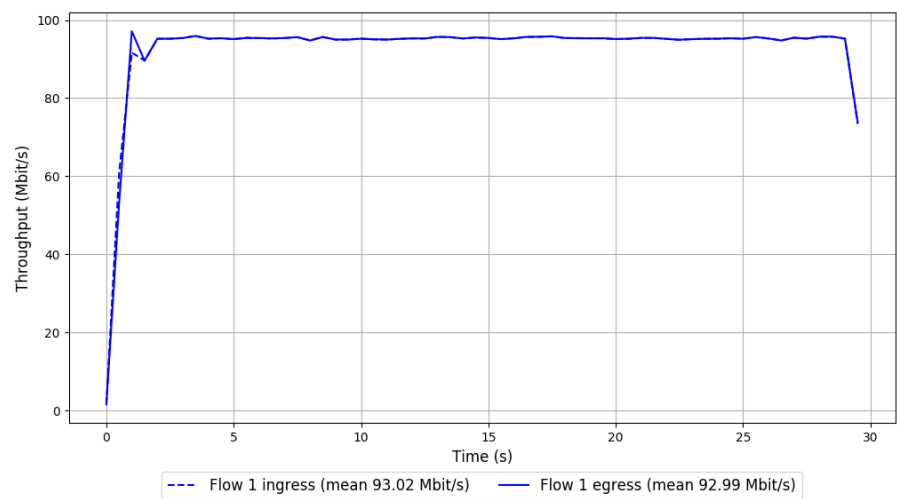
-- Flow 1:

Average throughput: 92.99 Mbit/s

95th percentile per-packet one-way delay: 2.703 ms

Loss rate: 0.03%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-27 14:41:58

End at: 2018-02-27 14:42:28

Local clock offset: -6.0 ms

Remote clock offset: -6.97 ms

Below is generated by plot.py at 2018-02-27 18:41:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 43.370 ms

Loss rate: 0.52%

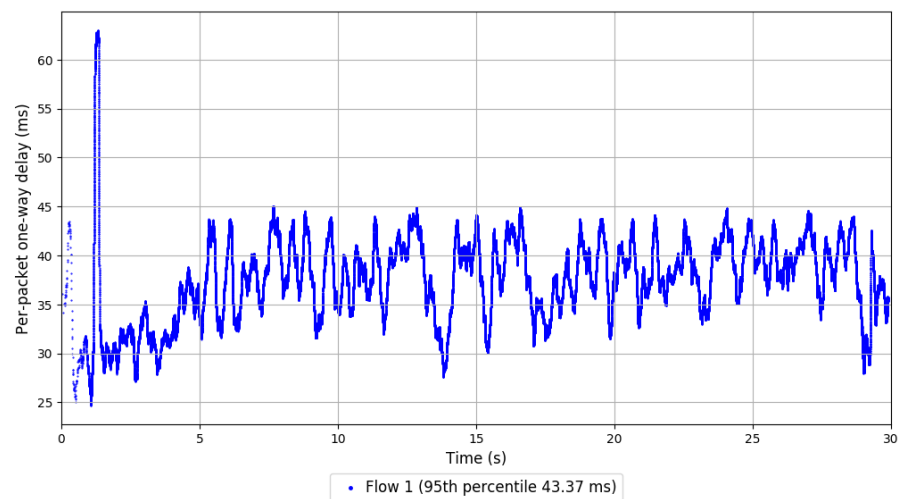
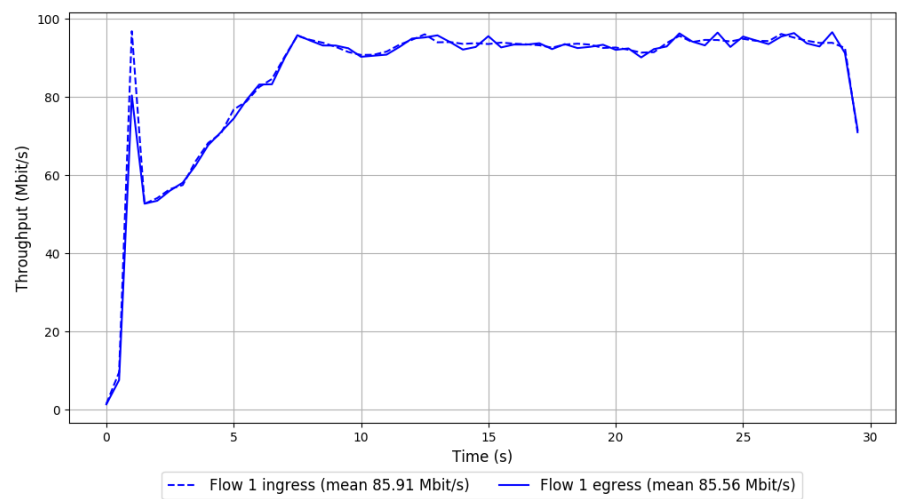
-- Flow 1:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 43.370 ms

Loss rate: 0.52%

Run 2: Report of Vivace-LTE — Data Link

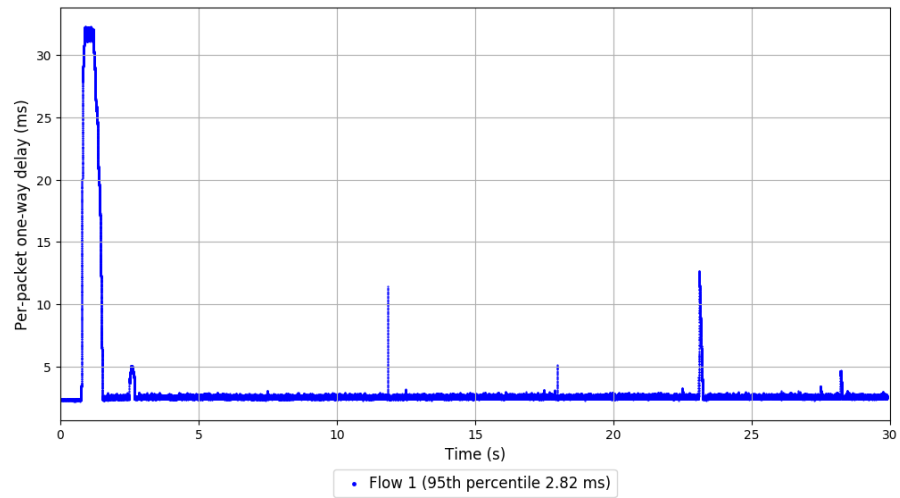
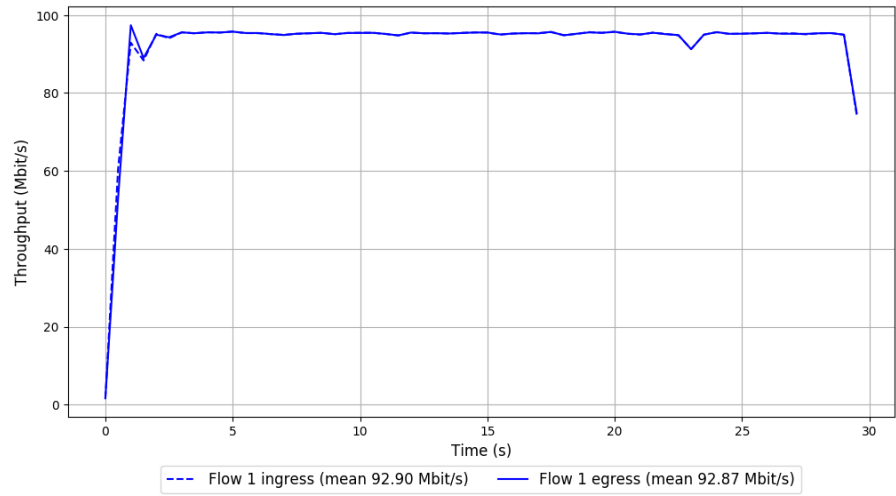


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-27 15:02:18
End at: 2018-02-27 15:02:48
Local clock offset: -2.476 ms
Remote clock offset: -7.409 ms

Below is generated by plot.py at 2018-02-27 18:41:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 2.821 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 2.821 ms
Loss rate: 0.03%

Run 3: Report of Vivace-LTE — Data Link

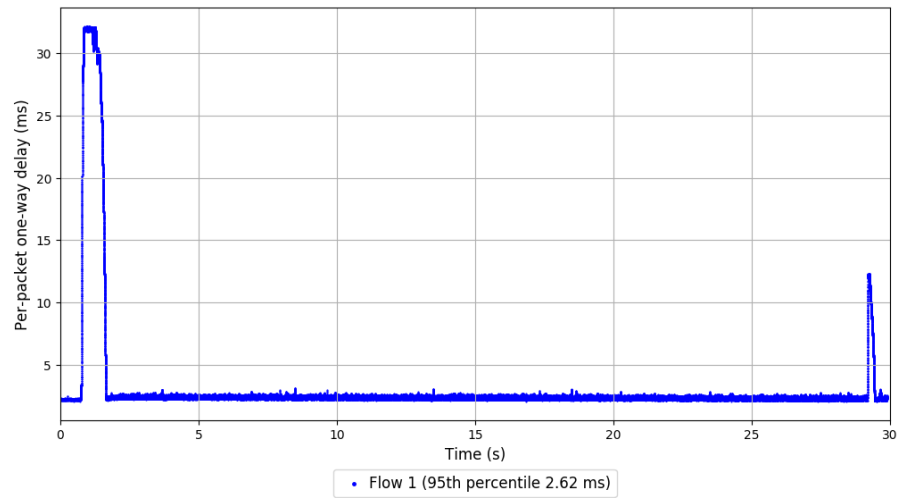
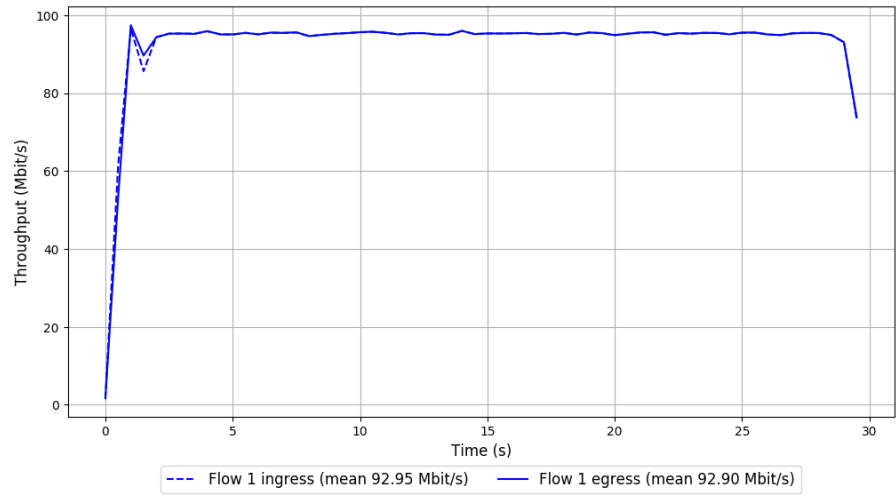


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-27 15:22:35
End at: 2018-02-27 15:23:05
Local clock offset: -4.683 ms
Remote clock offset: -6.532 ms

Below is generated by plot.py at 2018-02-27 18:42:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 2.622 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 2.622 ms
Loss rate: 0.05%

Run 4: Report of Vivace-LTE — Data Link

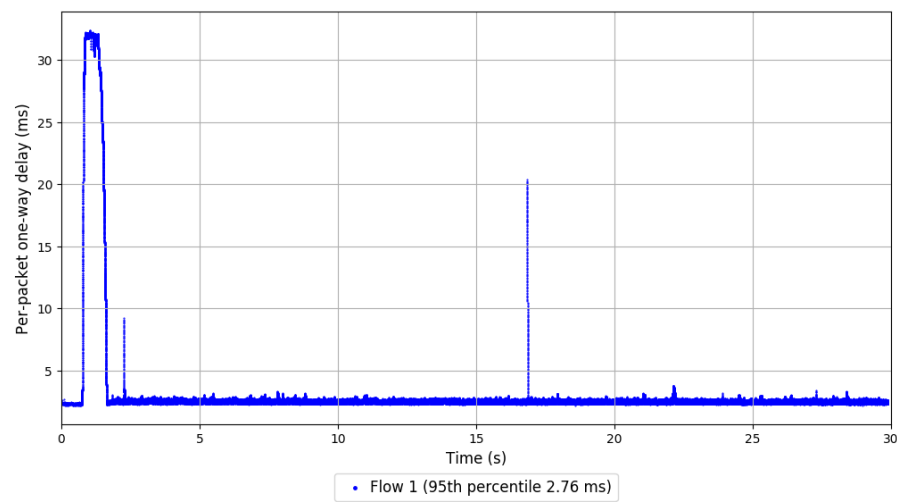
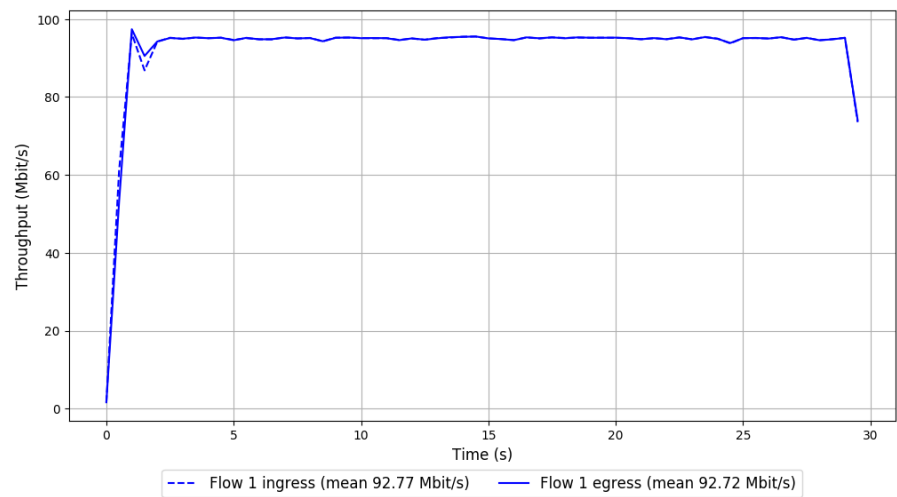


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-27 15:42:46
End at: 2018-02-27 15:43:16
Local clock offset: -7.328 ms
Remote clock offset: -6.223 ms

Below is generated by plot.py at 2018-02-27 18:42:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 2.764 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 2.764 ms
Loss rate: 0.05%

Run 5: Report of Vivace-LTE — Data Link

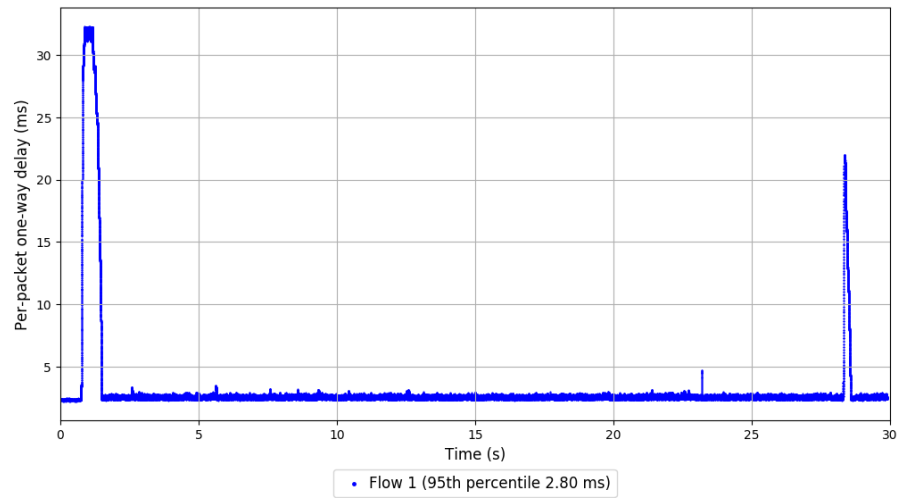
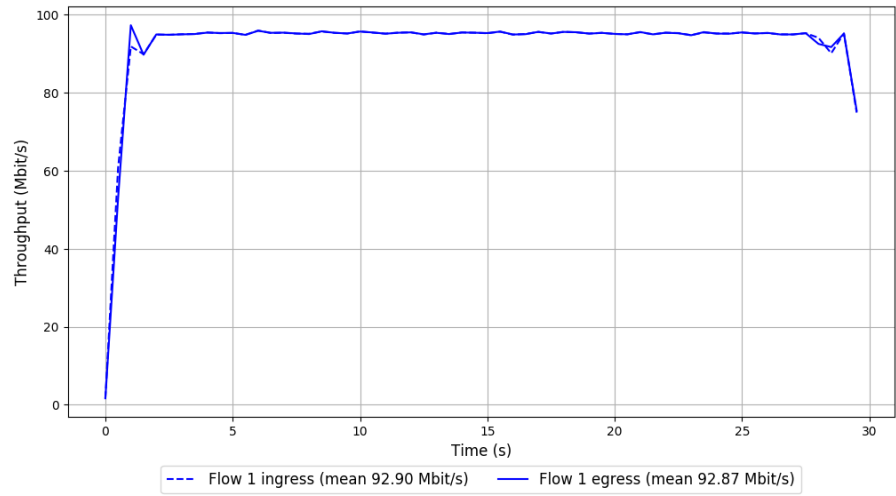


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-27 16:03:09
End at: 2018-02-27 16:03:39
Local clock offset: -6.358 ms
Remote clock offset: -5.973 ms

Below is generated by plot.py at 2018-02-27 18:42:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 2.803 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 2.803 ms
Loss rate: 0.04%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-27 16:23:34

End at: 2018-02-27 16:24:04

Local clock offset: -6.5 ms

Remote clock offset: -6.497 ms

Below is generated by plot.py at 2018-02-27 18:42:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 48.126 ms

Loss rate: 2.03%

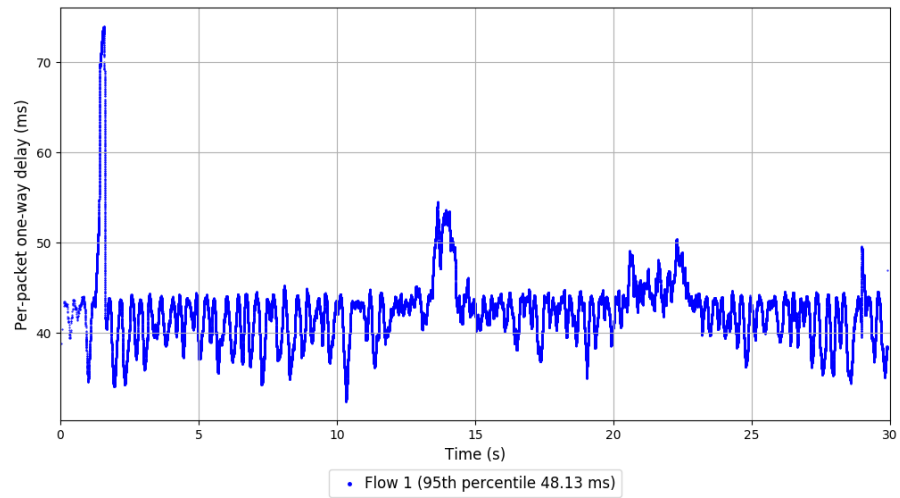
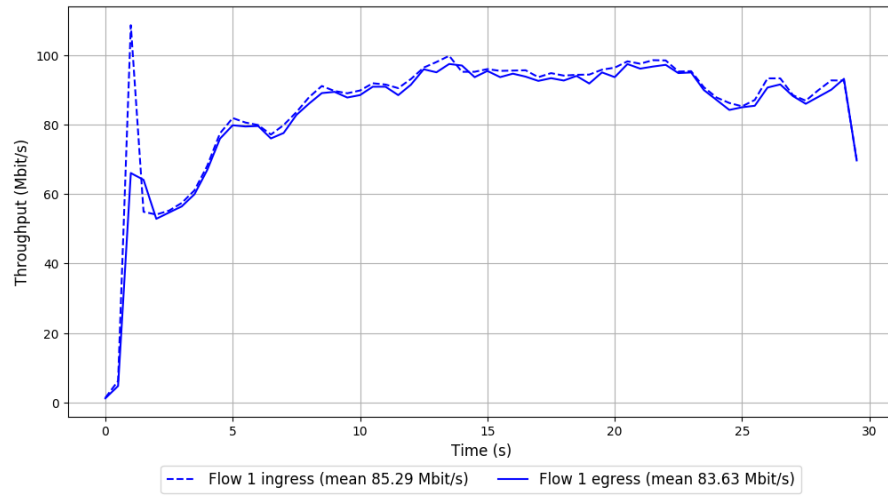
-- Flow 1:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 48.126 ms

Loss rate: 2.03%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-27 16:43:57

End at: 2018-02-27 16:44:27

Local clock offset: -5.78 ms

Remote clock offset: -6.598 ms

Below is generated by plot.py at 2018-02-27 18:42:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 2.862 ms

Loss rate: 0.04%

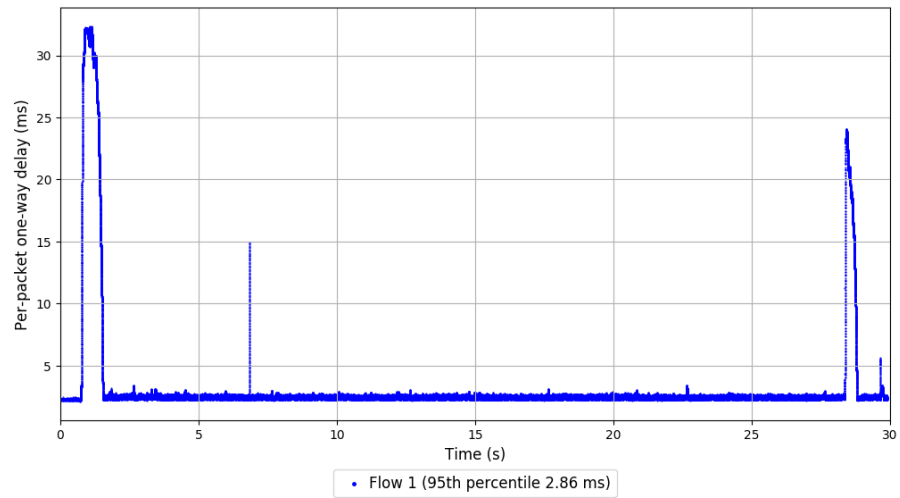
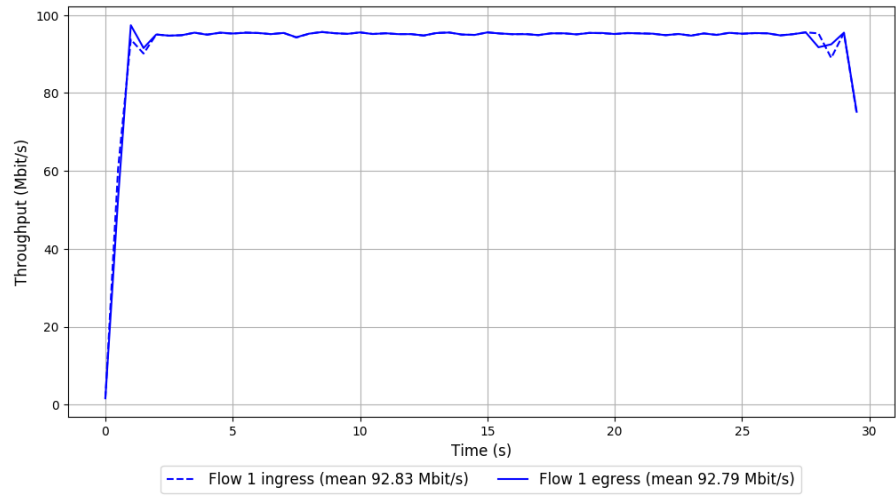
-- Flow 1:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 2.862 ms

Loss rate: 0.04%

Run 8: Report of Vivace-LTE — Data Link

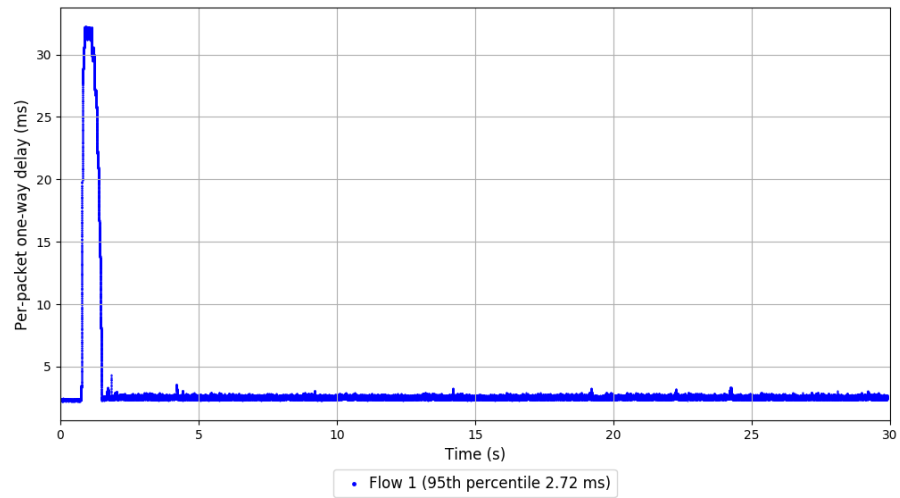
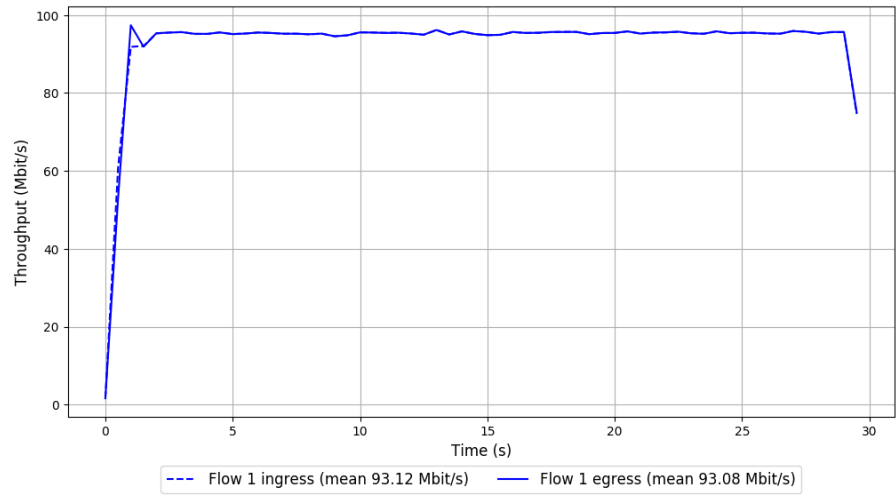


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-27 17:04:21
End at: 2018-02-27 17:04:51
Local clock offset: -6.244 ms
Remote clock offset: -6.352 ms

Below is generated by plot.py at 2018-02-27 18:42:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 2.719 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 2.719 ms
Loss rate: 0.04%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-27 17:24:33

End at: 2018-02-27 17:25:03

Local clock offset: -6.848 ms

Remote clock offset: -6.453 ms

Below is generated by plot.py at 2018-02-27 18:42:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.04 Mbit/s

95th percentile per-packet one-way delay: 2.791 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 93.04 Mbit/s

95th percentile per-packet one-way delay: 2.791 ms

Loss rate: 0.05%

Run 10: Report of Vivace-LTE — Data Link

