

Pantheon Report

Generated at 2017-09-21 16:39:12 (UTC).

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

Repeated the test of 14 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).

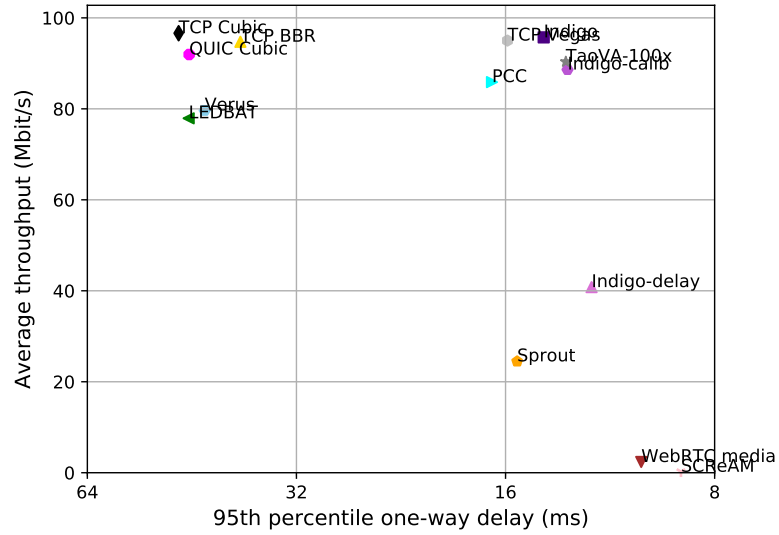
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

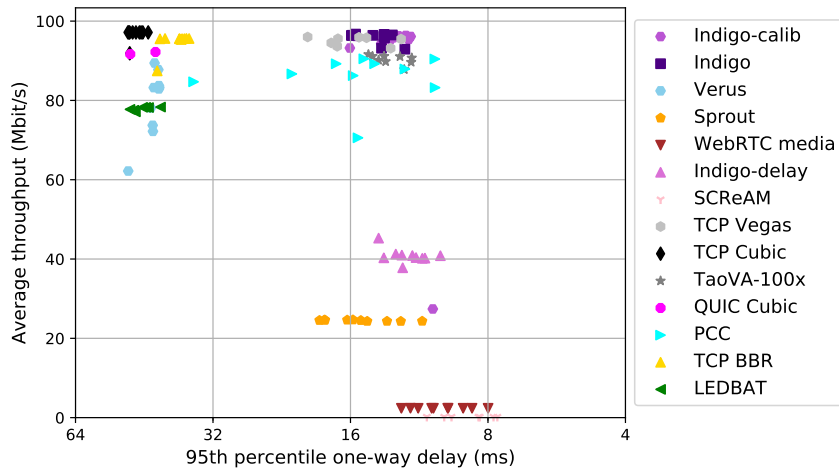
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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 @ f1a14bffe749737437f61b1eaaeb30b267cde681
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS India 1 Ethernet to India 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	94.75	38.54	0.68
TCP Cubic	10	96.62	47.29	0.40
LEDBAT	7	77.91	45.75	0.14
PCC	10	85.88	16.73	0.62
QUIC Cubic	2	91.94	45.66	0.59
SCReAM	7	0.21	8.95	0.00
WebRTC media	10	2.36	10.20	0.00
Sprout	10	24.48	15.40	0.00
TaoVA-100x	9	90.35	13.10	0.00
TCP Vegas	8	95.00	15.90	0.14
Verus	10	79.65	43.38	20.50
Indigo	10	95.71	14.10	0.04
Indigo-calib	10	88.64	13.03	0.59
Indigo-delay	10	40.81	12.03	0.01

Run 1: Statistics of TCP BBR

Start at: 2017-09-21 12:29:27

End at: 2017-09-21 12:29:57

Local clock offset: -0.87 ms

Remote clock offset: -2.838 ms

Below is generated by plot.py at 2017-09-21 16:22:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 42.389 ms

Loss rate: 0.26%

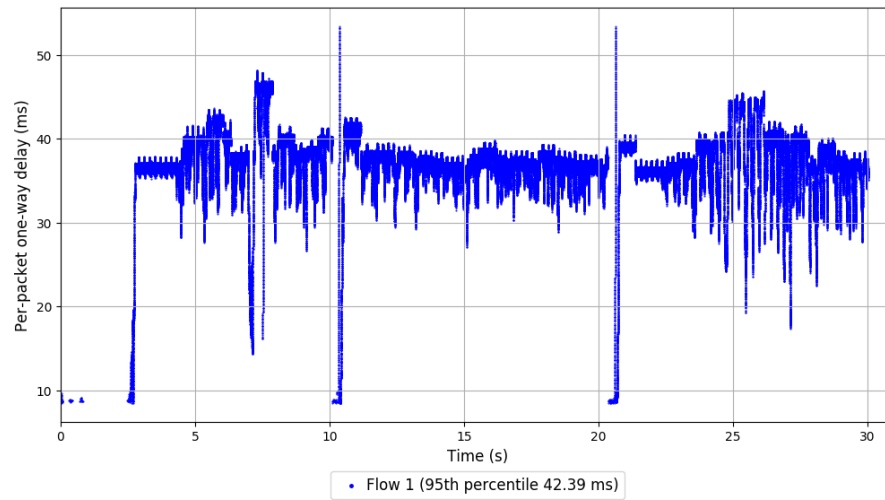
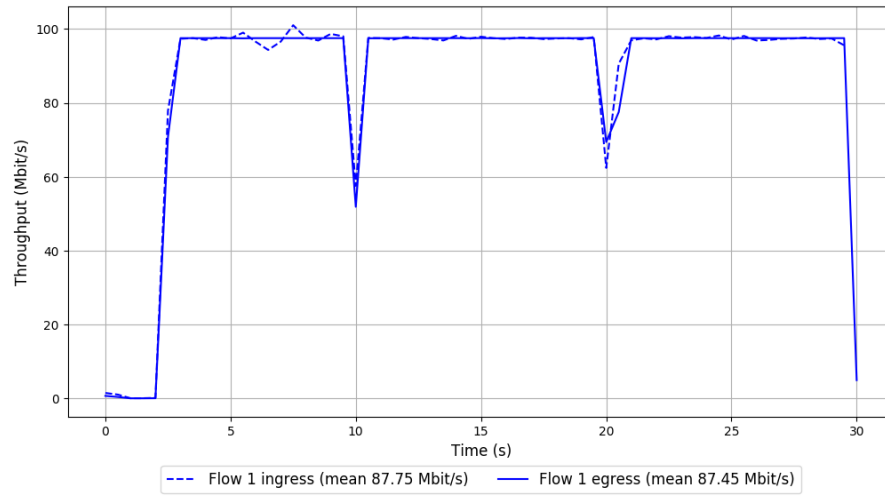
-- Flow 1:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 42.389 ms

Loss rate: 0.26%

Run 1: Report of TCP BBR — Data Link

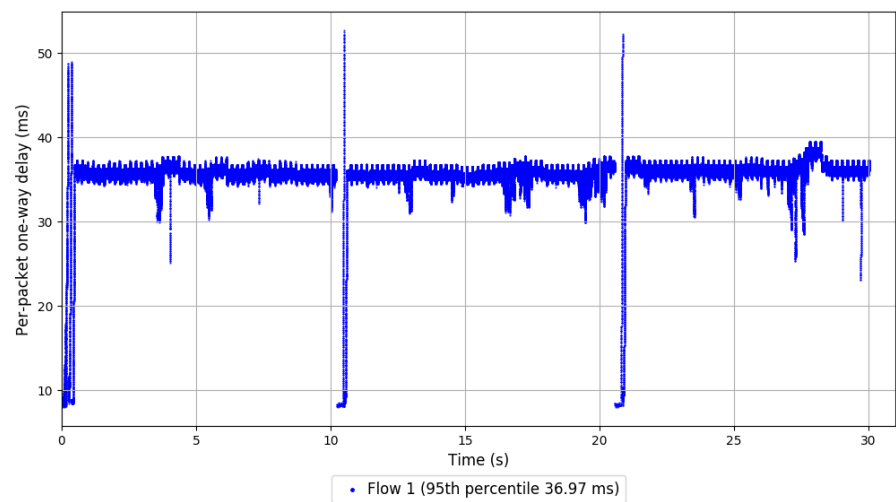
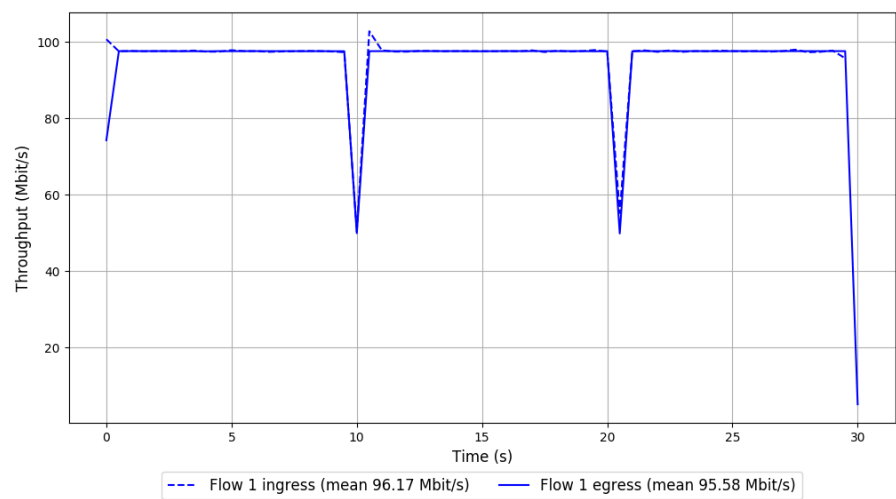


Run 2: Statistics of TCP BBR

Start at: 2017-09-21 12:54:01
End at: 2017-09-21 12:54:31
Local clock offset: 0.896 ms
Remote clock offset: -2.382 ms

Below is generated by plot.py at 2017-09-21 16:22:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 36.971 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 36.971 ms
Loss rate: 0.52%

Run 2: Report of TCP BBR — Data Link

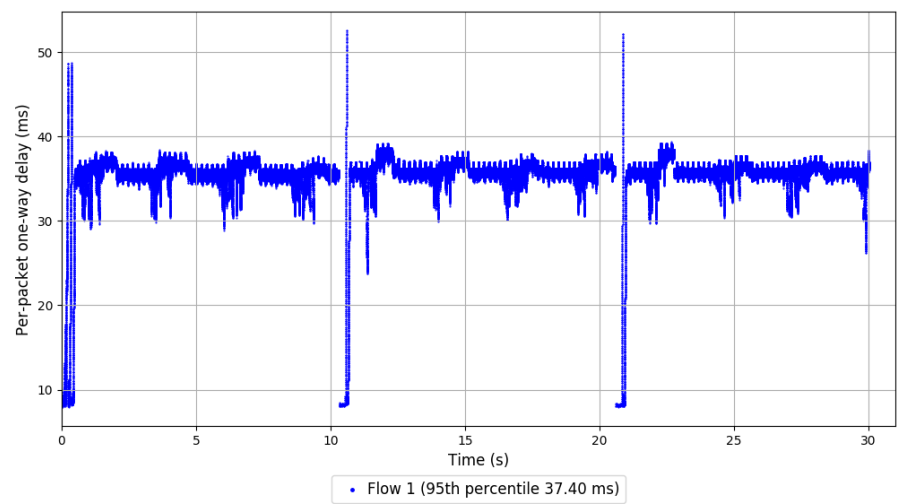
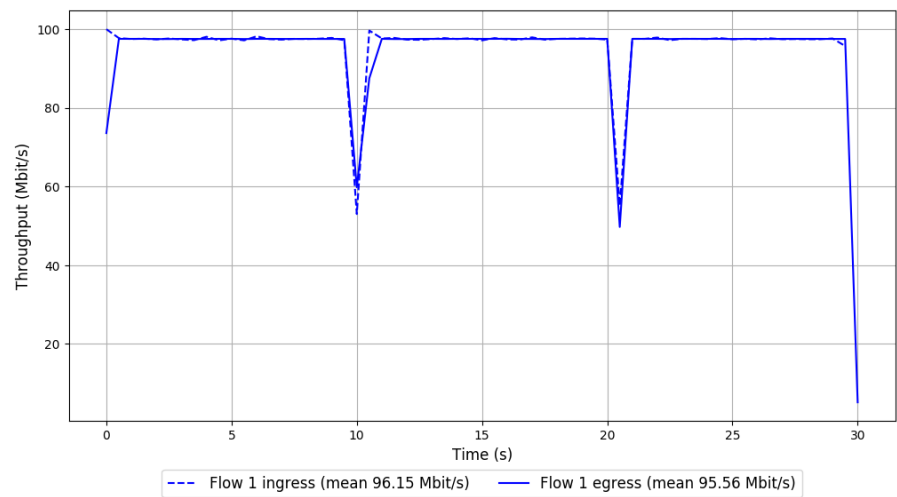


Run 3: Statistics of TCP BBR

Start at: 2017-09-21 13:13:14
End at: 2017-09-21 13:13:44
Local clock offset: 2.588 ms
Remote clock offset: -1.363 ms

Below is generated by plot.py at 2017-09-21 16:22:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 37.401 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 37.401 ms
Loss rate: 0.52%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-09-21 13:33:00

End at: 2017-09-21 13:33:30

Local clock offset: 2.797 ms

Remote clock offset: -1.936 ms

Below is generated by plot.py at 2017-09-21 16:22:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 37.567 ms

Loss rate: 1.82%

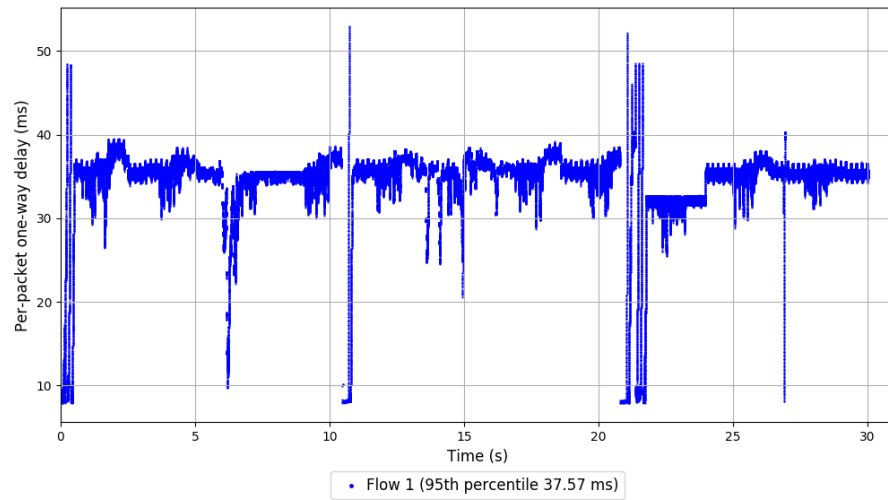
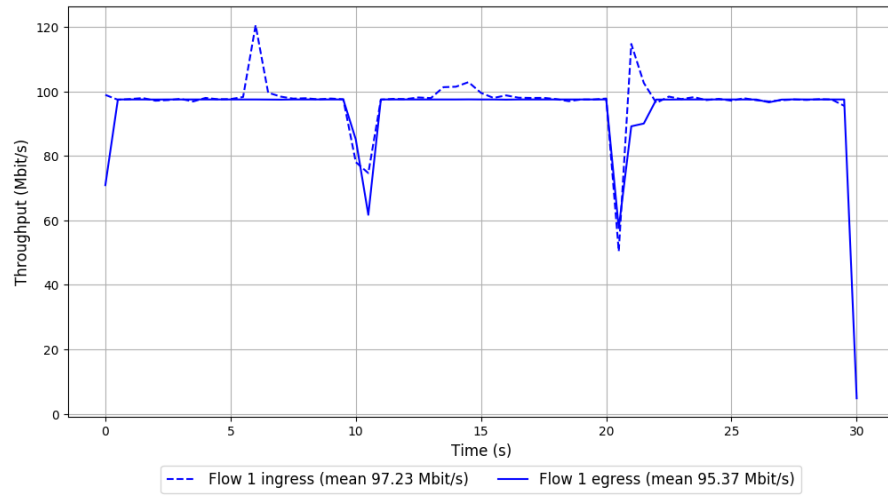
-- Flow 1:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 37.567 ms

Loss rate: 1.82%

Run 4: Report of TCP BBR — Data Link

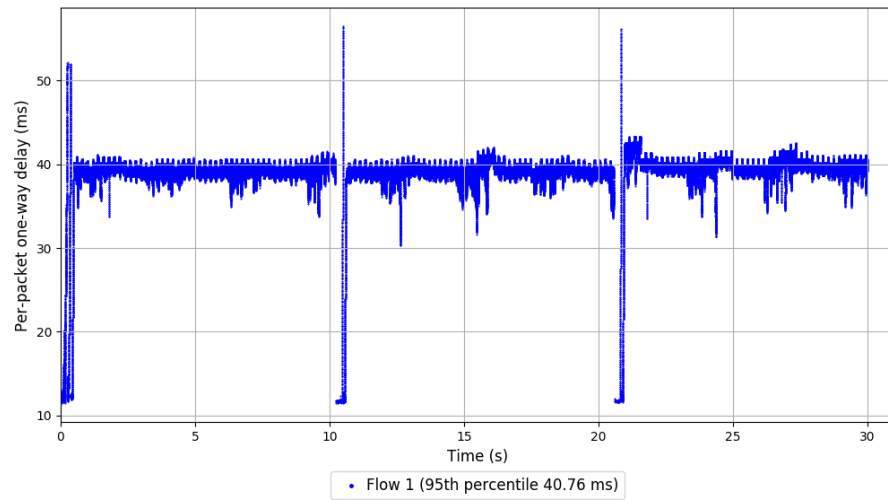
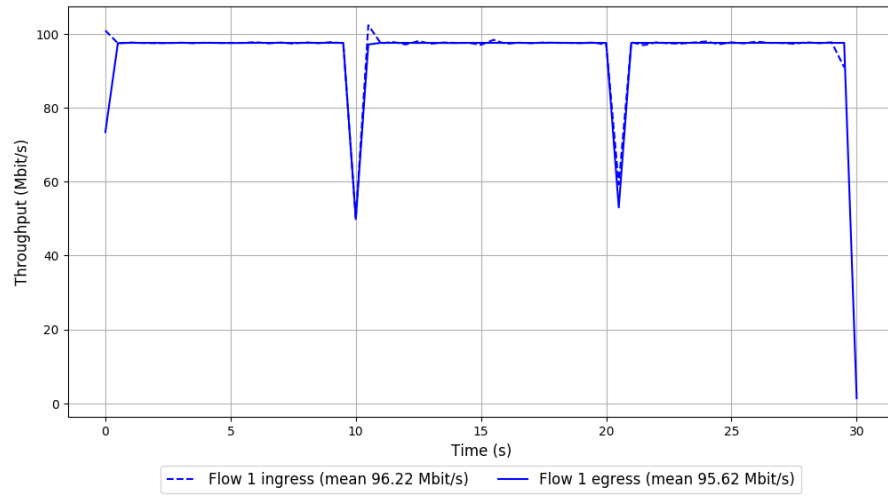


Run 5: Statistics of TCP BBR

Start at: 2017-09-21 13:52:55
End at: 2017-09-21 13:53:25
Local clock offset: -0.334 ms
Remote clock offset: -1.206 ms

Below is generated by plot.py at 2017-09-21 16:22:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 40.756 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 40.756 ms
Loss rate: 0.53%

Run 5: Report of TCP BBR — Data Link

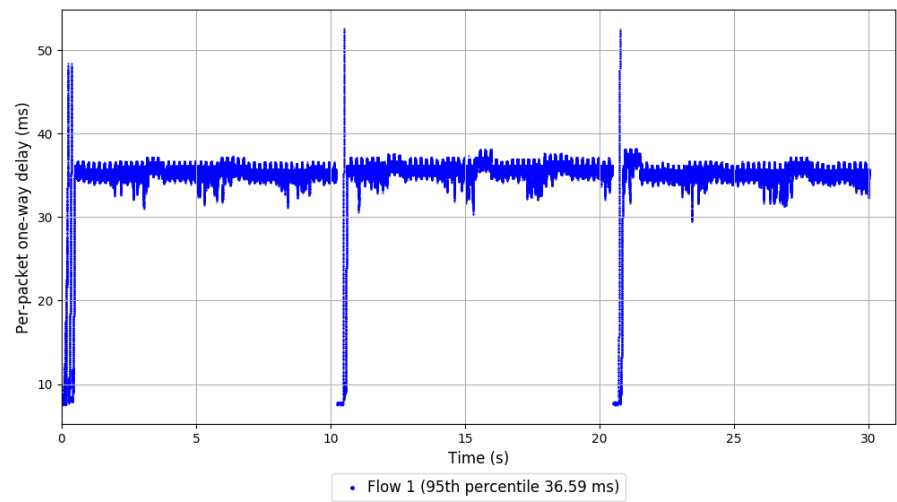
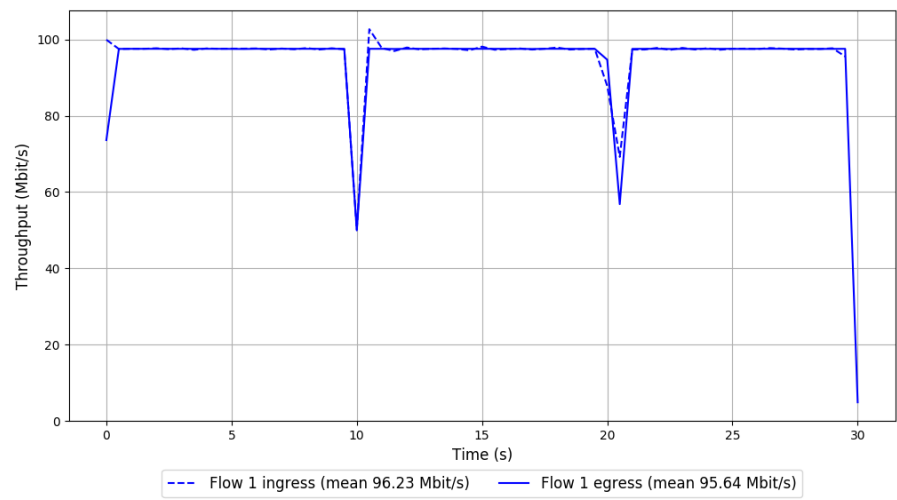


Run 6: Statistics of TCP BBR

Start at: 2017-09-21 14:11:41
End at: 2017-09-21 14:12:11
Local clock offset: 2.255 ms
Remote clock offset: -2.298 ms

Below is generated by plot.py at 2017-09-21 16:22:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 36.588 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 36.588 ms
Loss rate: 0.52%

Run 6: Report of TCP BBR — Data Link

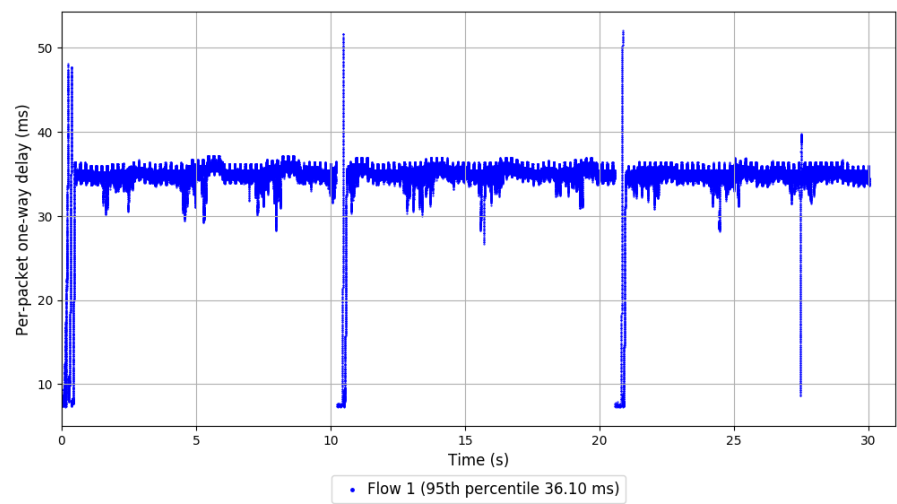
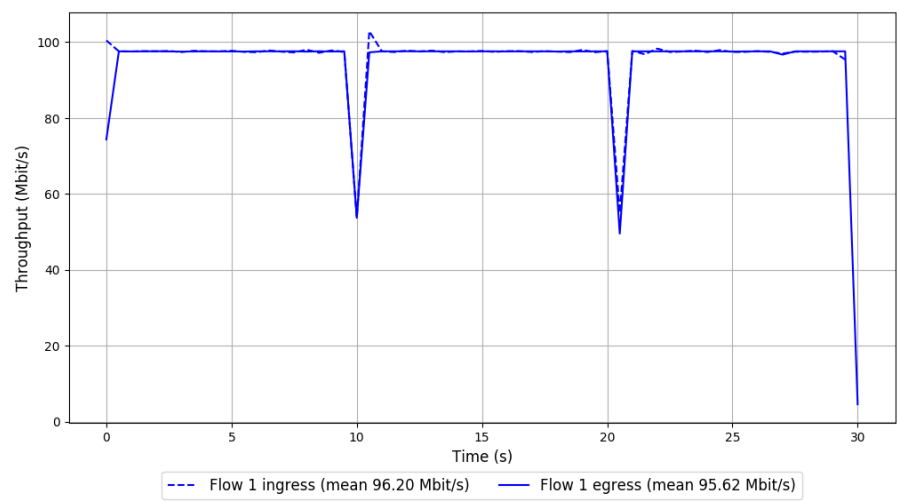


Run 7: Statistics of TCP BBR

Start at: 2017-09-21 14:30:18
End at: 2017-09-21 14:30:48
Local clock offset: 2.414 ms
Remote clock offset: -1.777 ms

Below is generated by plot.py at 2017-09-21 16:22:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 36.098 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 36.098 ms
Loss rate: 0.52%

Run 7: Report of TCP BBR — Data Link

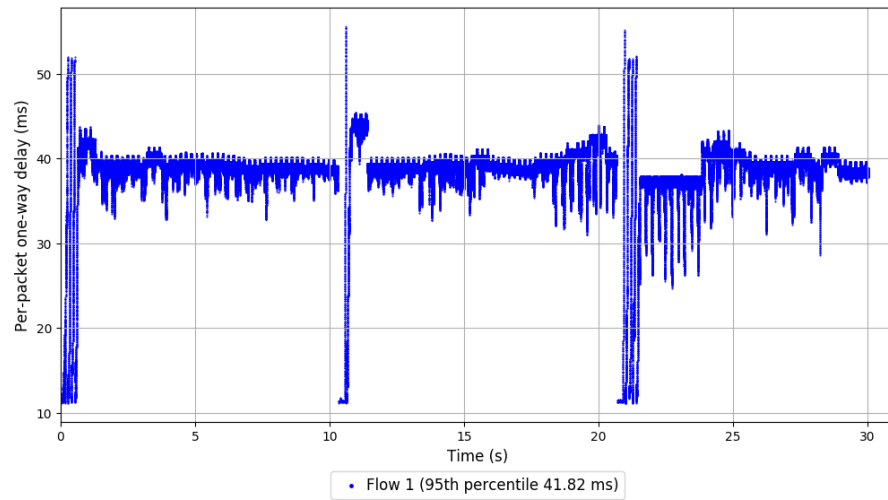
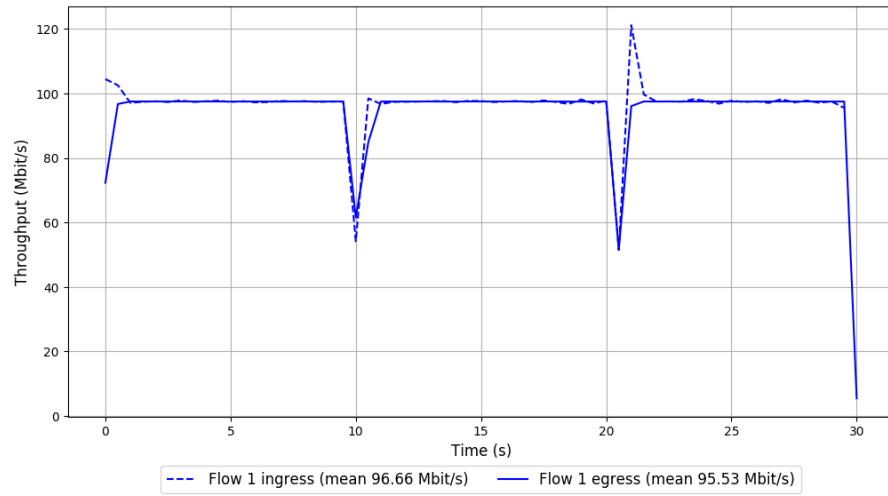


Run 8: Statistics of TCP BBR

Start at: 2017-09-21 15:02:02
End at: 2017-09-21 15:02:32
Local clock offset: -1.931 ms
Remote clock offset: -1.274 ms

Below is generated by plot.py at 2017-09-21 16:22:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 41.817 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 41.817 ms
Loss rate: 1.08%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-09-21 15:29:52

End at: 2017-09-21 15:30:22

Local clock offset: 0.034 ms

Remote clock offset: -1.88 ms

Below is generated by plot.py at 2017-09-21 16:23:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 37.844 ms

Loss rate: 0.53%

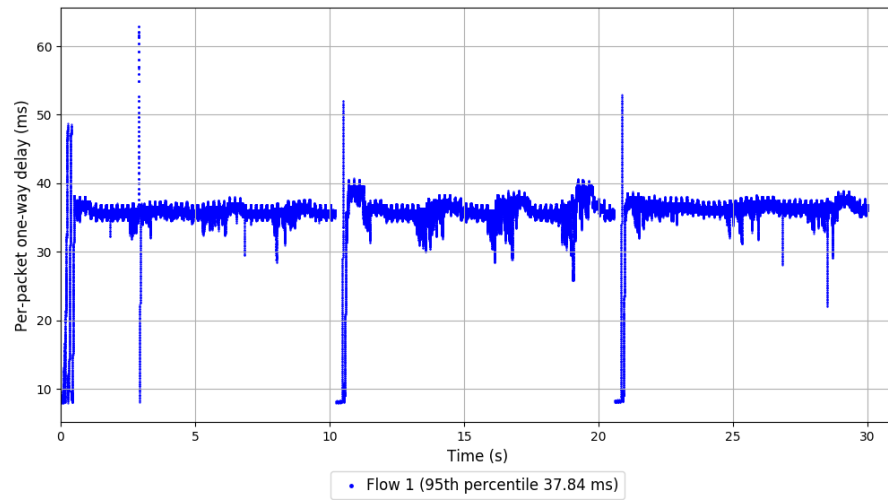
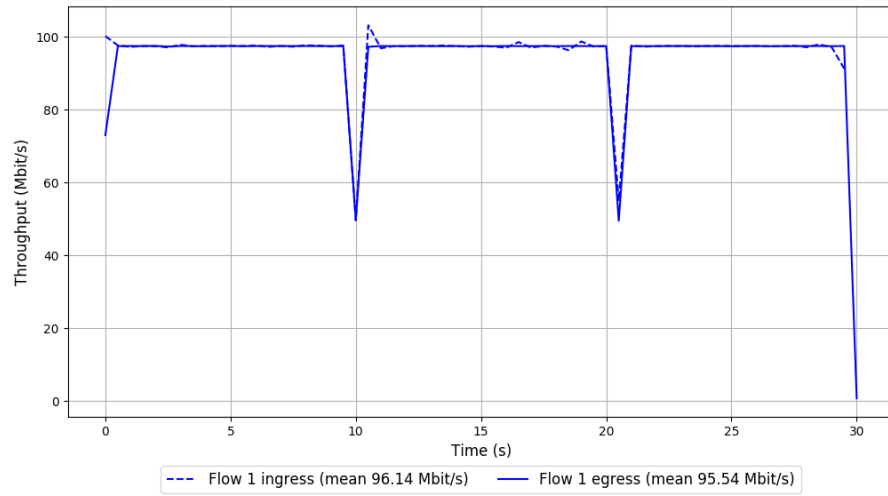
-- Flow 1:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 37.844 ms

Loss rate: 0.53%

Run 9: Report of TCP BBR — Data Link

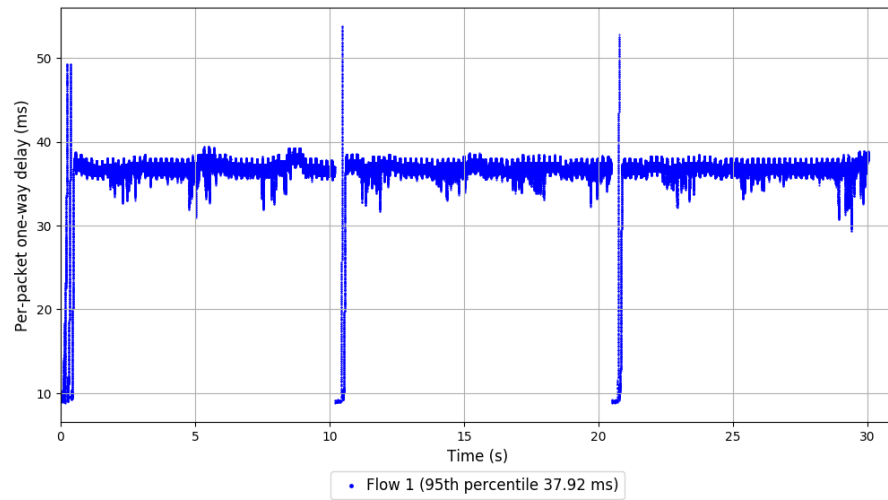
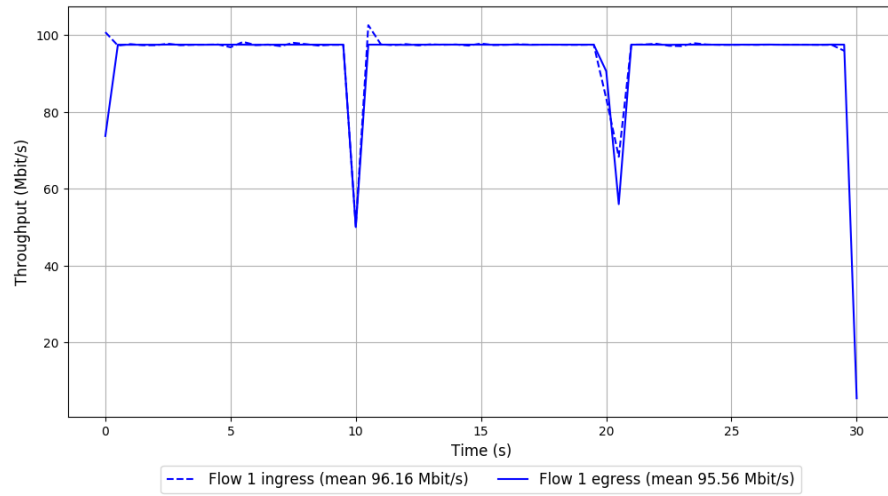


Run 10: Statistics of TCP BBR

Start at: 2017-09-21 15:48:12
End at: 2017-09-21 15:48:42
Local clock offset: -0.327 ms
Remote clock offset: -0.878 ms

Below is generated by plot.py at 2017-09-21 16:24:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 37.923 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 37.923 ms
Loss rate: 0.52%

Run 10: Report of TCP BBR — Data Link

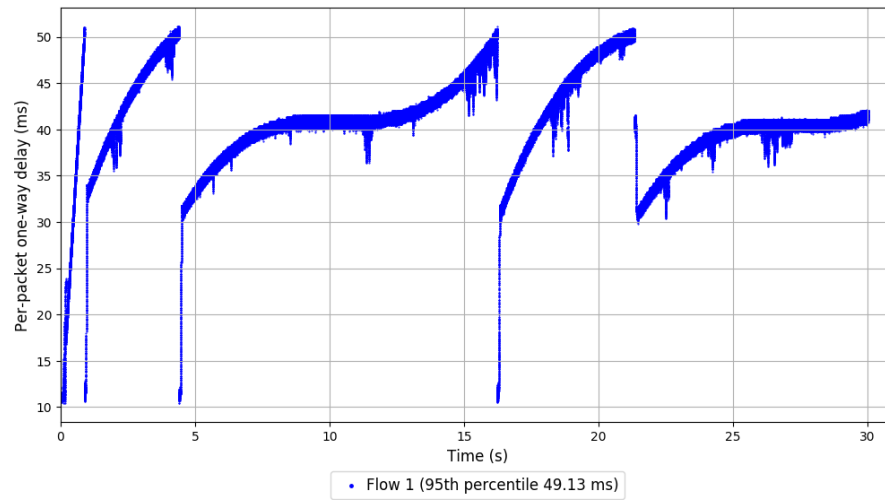
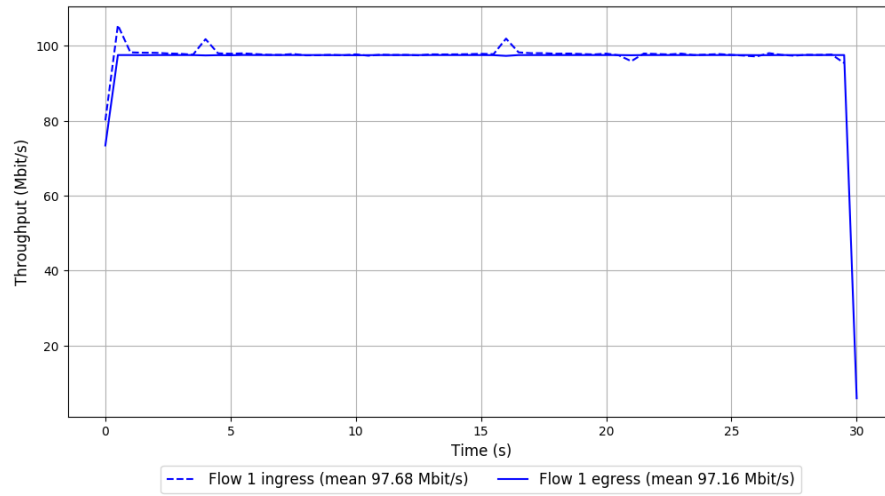


Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 12:46:54
End at: 2017-09-21 12:47:24
Local clock offset: -1.876 ms
Remote clock offset: -2.419 ms

Below is generated by plot.py at 2017-09-21 16:24:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 49.127 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 49.127 ms
Loss rate: 0.43%

Run 1: Report of TCP Cubic — Data Link

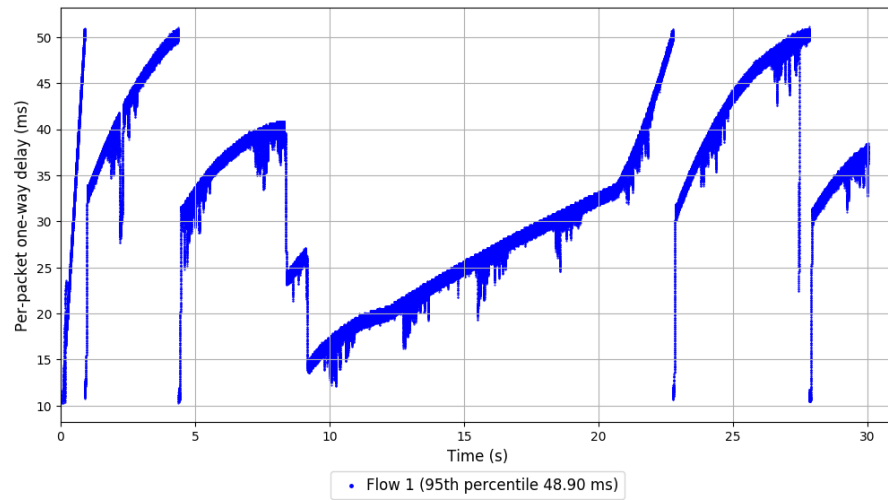
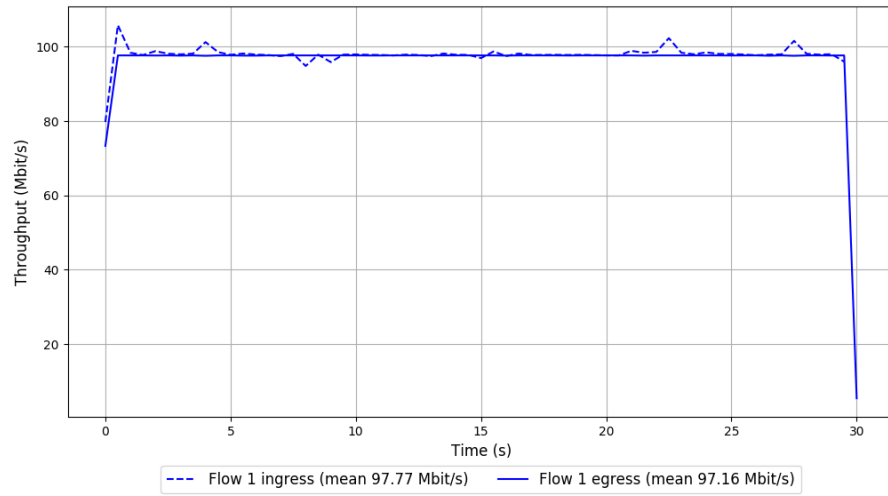


Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 13:04:24
End at: 2017-09-21 13:04:54
Local clock offset: -0.734 ms
Remote clock offset: -2.171 ms

Below is generated by plot.py at 2017-09-21 16:24:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 48.896 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 48.896 ms
Loss rate: 0.54%

Run 2: Report of TCP Cubic — Data Link

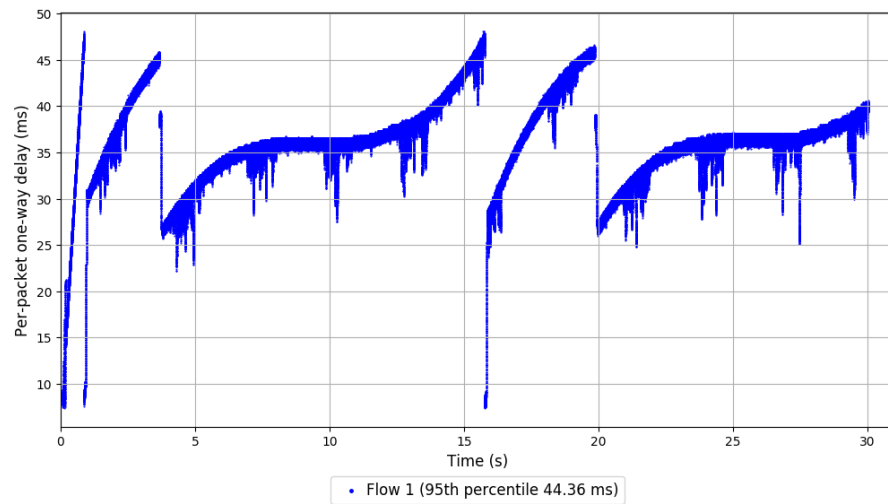
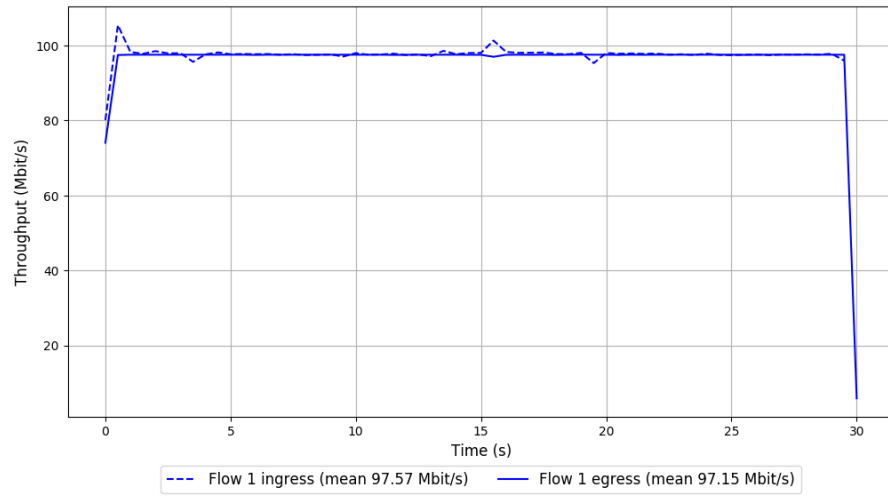


Run 3: Statistics of TCP Cubic

Start at: 2017-09-21 13:24:03
End at: 2017-09-21 13:24:33
Local clock offset: 2.886 ms
Remote clock offset: -2.109 ms

Below is generated by plot.py at 2017-09-21 16:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 44.359 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 44.359 ms
Loss rate: 0.32%

Run 3: Report of TCP Cubic — Data Link

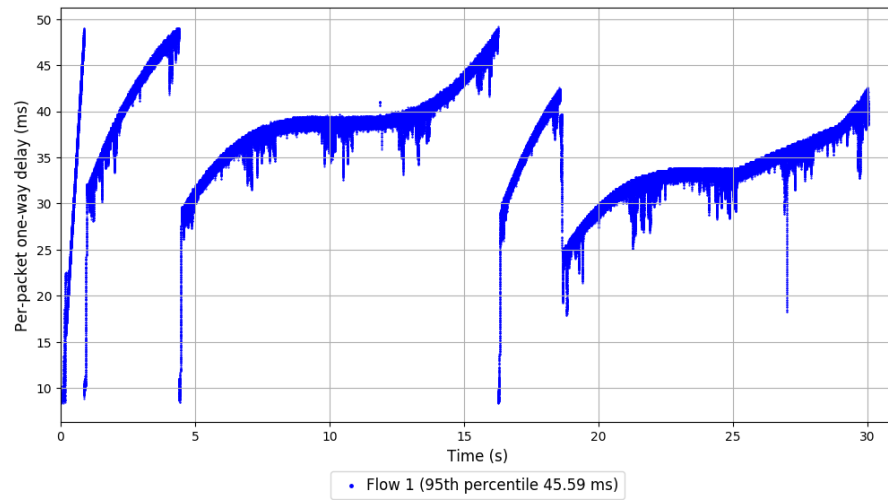
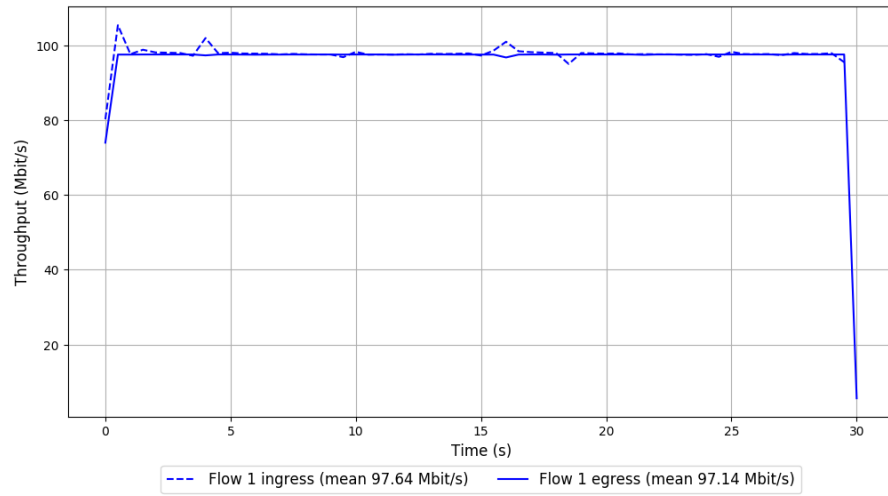


Run 4: Statistics of TCP Cubic

Start at: 2017-09-21 13:44:52
End at: 2017-09-21 13:45:22
Local clock offset: 3.237 ms
Remote clock offset: -0.844 ms

Below is generated by plot.py at 2017-09-21 16:24:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 45.588 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 45.588 ms
Loss rate: 0.41%

Run 4: Report of TCP Cubic — Data Link

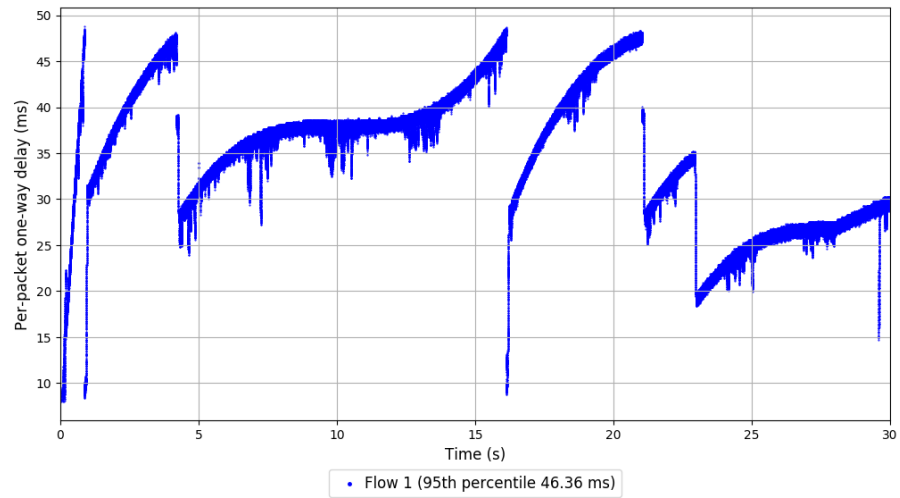
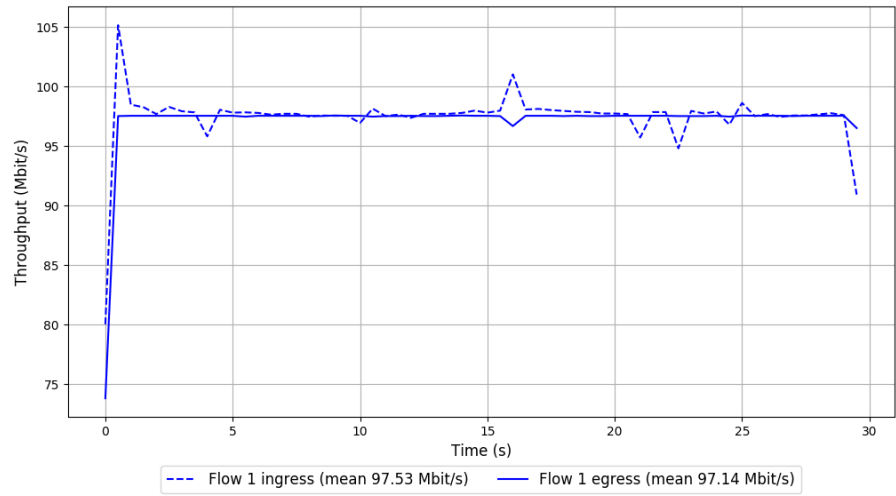


Run 5: Statistics of TCP Cubic

Start at: 2017-09-21 14:03:57
End at: 2017-09-21 14:04:27
Local clock offset: 3.022 ms
Remote clock offset: -1.269 ms

Below is generated by plot.py at 2017-09-21 16:24:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 46.362 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 46.362 ms
Loss rate: 0.32%

Run 5: Report of TCP Cubic — Data Link

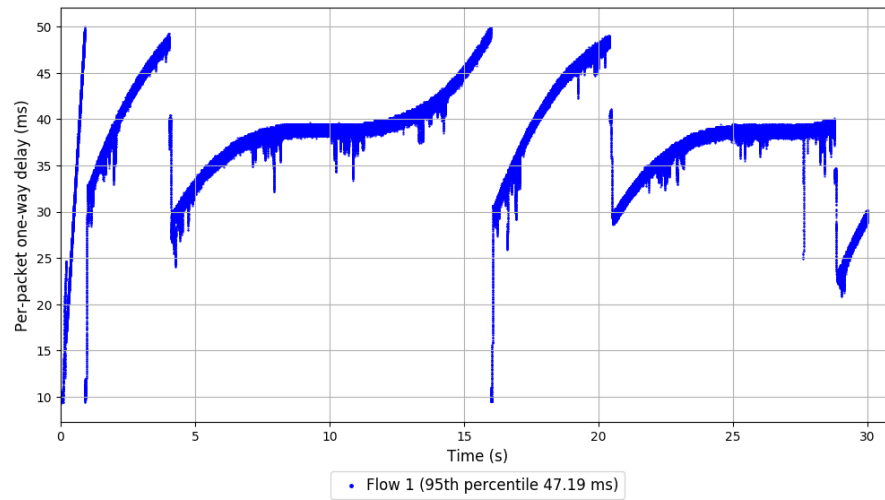
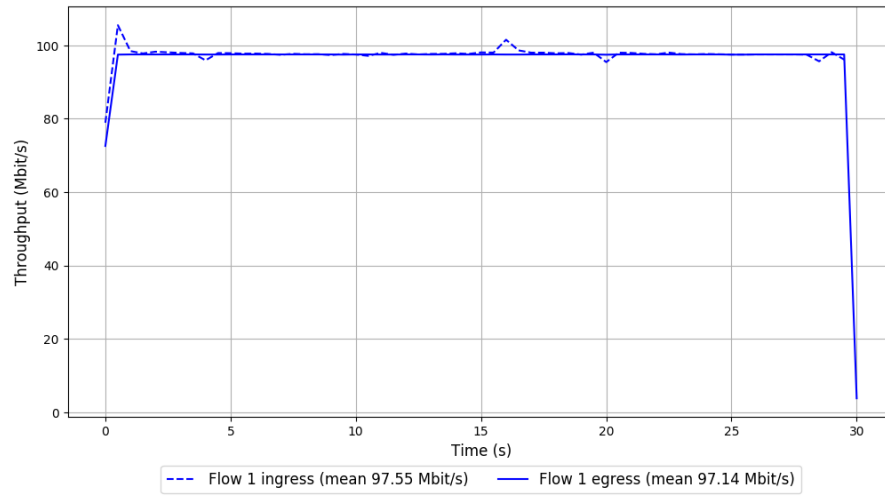


Run 6: Statistics of TCP Cubic

Start at: 2017-09-21 14:22:11
End at: 2017-09-21 14:22:41
Local clock offset: 0.212 ms
Remote clock offset: -2.181 ms

Below is generated by plot.py at 2017-09-21 16:24:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 47.188 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 47.188 ms
Loss rate: 0.35%

Run 6: Report of TCP Cubic — Data Link

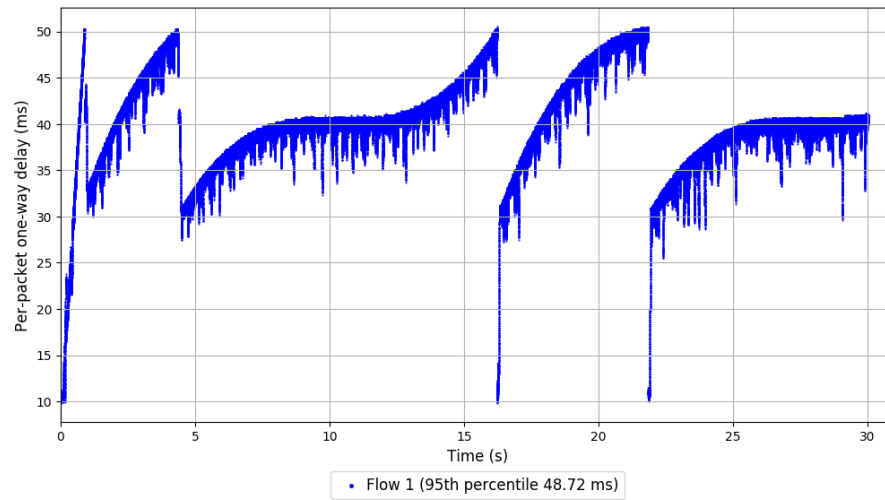
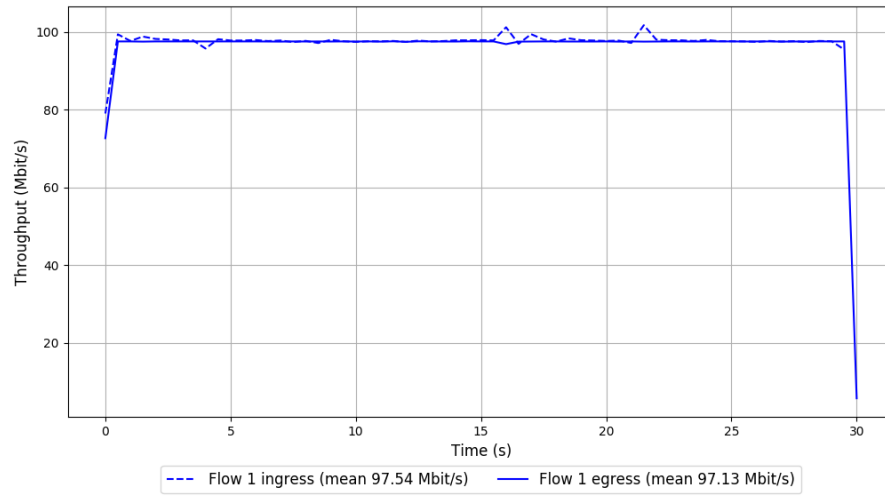


Run 7: Statistics of TCP Cubic

Start at: 2017-09-21 14:46:55
End at: 2017-09-21 14:47:25
Local clock offset: -0.486 ms
Remote clock offset: -1.566 ms

Below is generated by plot.py at 2017-09-21 16:25:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 48.720 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 48.720 ms
Loss rate: 0.32%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-21 15:20:44

End at: 2017-09-21 15:21:14

Local clock offset: 1.351 ms

Remote clock offset: -2.03 ms

Below is generated by plot.py at 2017-09-21 16:25:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 45.985 ms

Loss rate: 0.43%

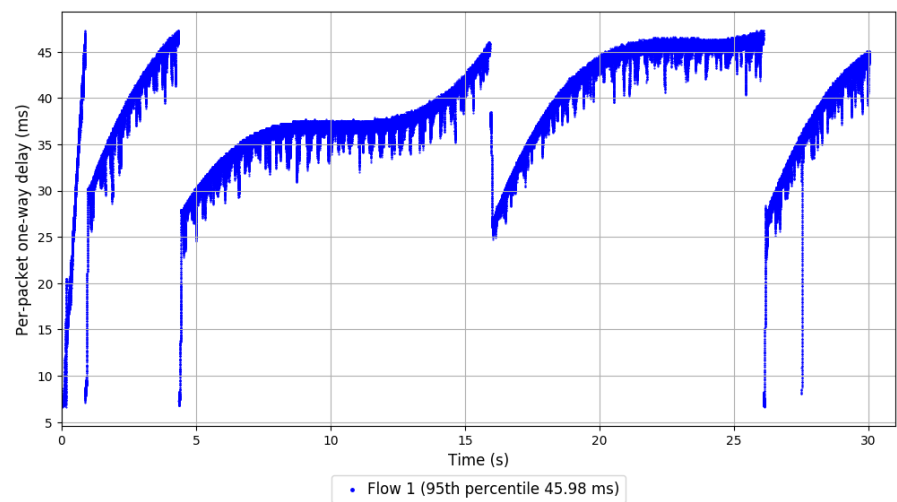
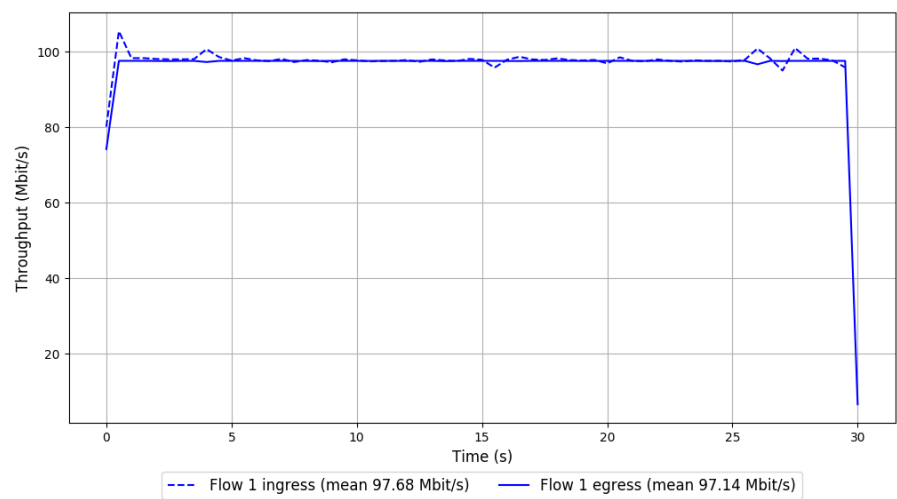
-- Flow 1:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 45.985 ms

Loss rate: 0.43%

Run 8: Report of TCP Cubic — Data Link

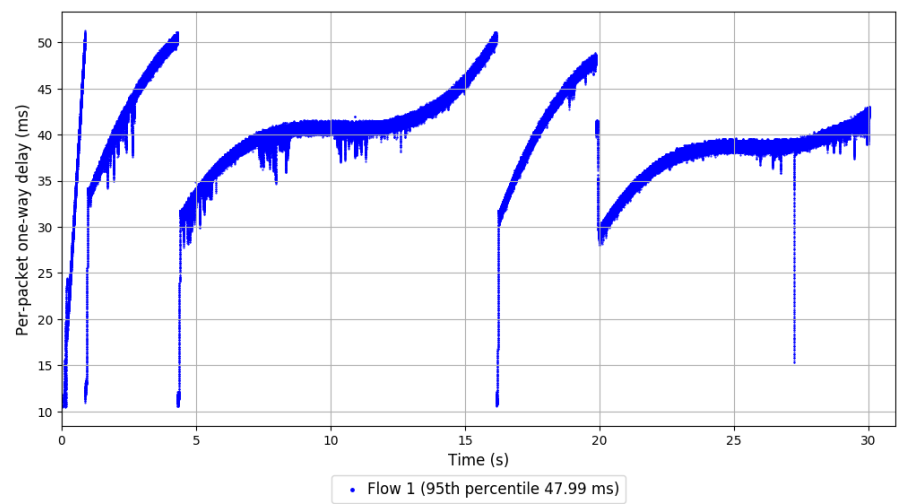
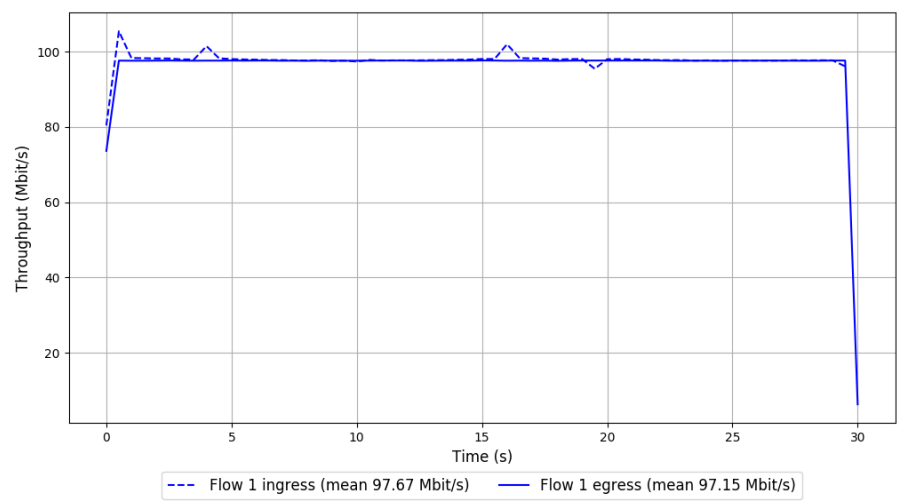


Run 9: Statistics of TCP Cubic

Start at: 2017-09-21 15:40:29
End at: 2017-09-21 15:40:59
Local clock offset: -2.345 ms
Remote clock offset: -1.486 ms

Below is generated by plot.py at 2017-09-21 16:25:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 47.993 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 47.993 ms
Loss rate: 0.42%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-09-21 15:59:06

End at: 2017-09-21 15:59:36

Local clock offset: -2.629 ms

Remote clock offset: -1.526 ms

Below is generated by plot.py at 2017-09-21 16:25:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 48.697 ms

Loss rate: 0.46%

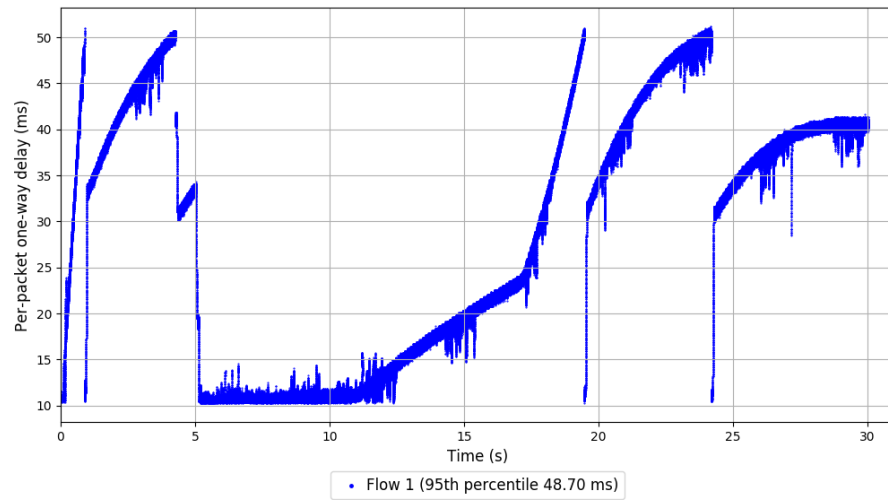
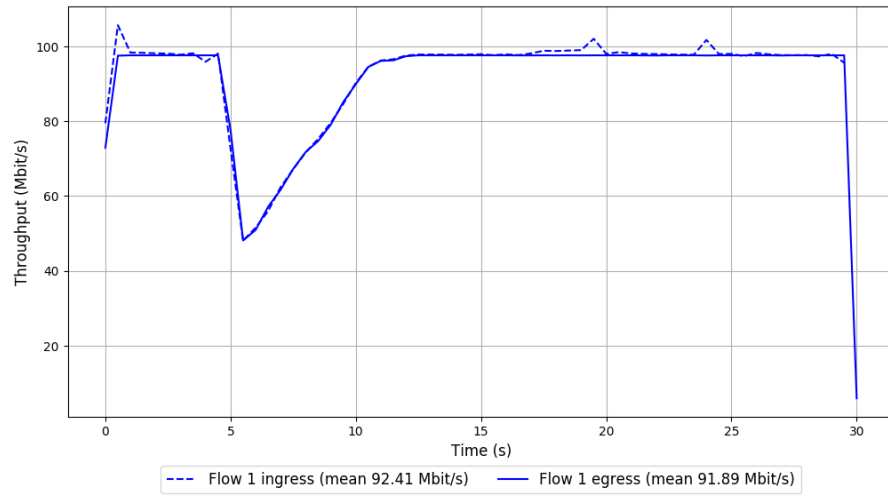
-- Flow 1:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 48.697 ms

Loss rate: 0.46%

Run 10: Report of TCP Cubic — Data Link

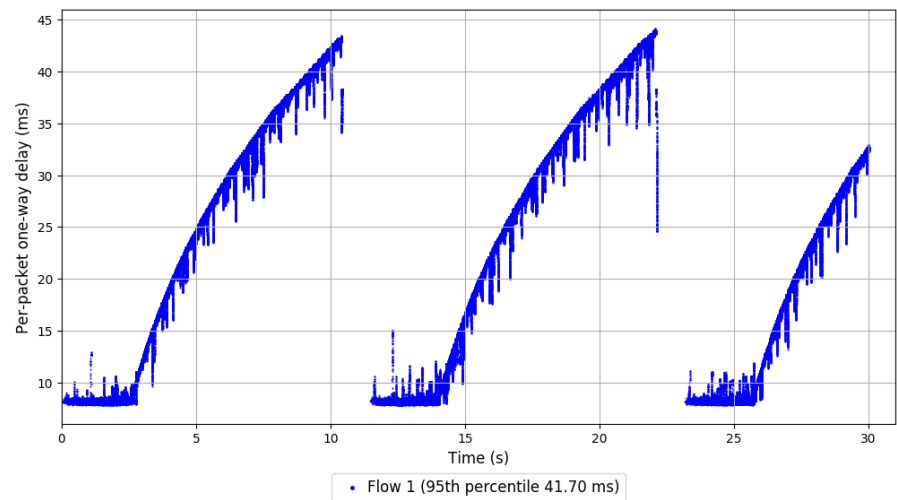
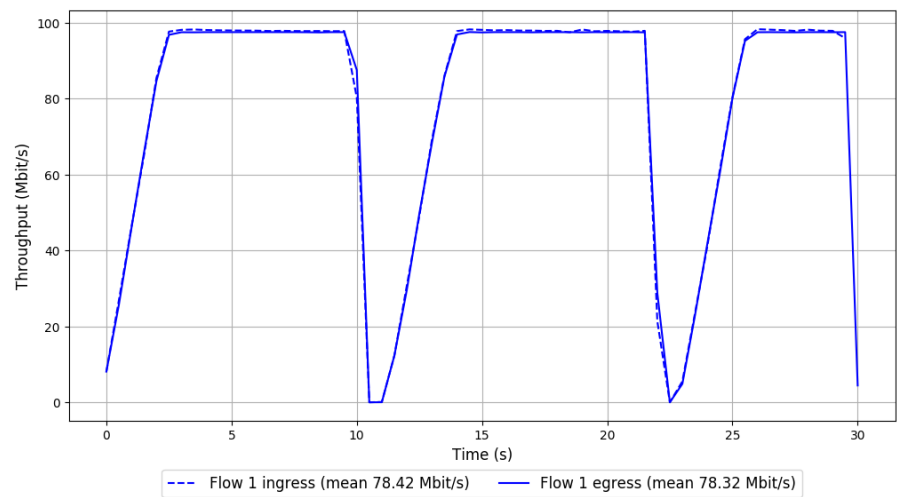


Run 1: Statistics of LEDBAT

Start at: 2017-09-21 12:36:18
End at: 2017-09-21 12:36:48
Local clock offset: 0.058 ms
Remote clock offset: -2.478 ms

Below is generated by plot.py at 2017-09-21 16:25:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 41.699 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 41.699 ms
Loss rate: 0.04%

Run 1: Report of LEDBAT — Data Link

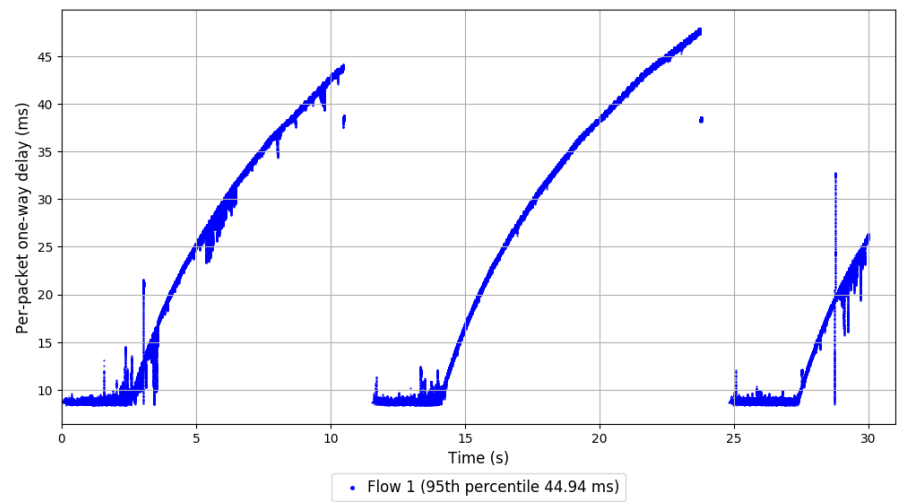
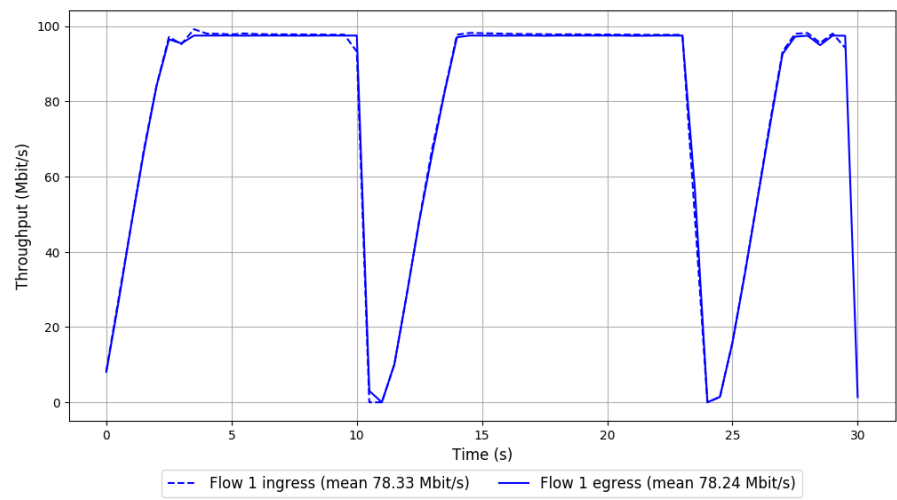


Run 2: Statistics of LEDBAT

Start at: 2017-09-21 12:56:36
End at: 2017-09-21 12:57:06
Local clock offset: 0.917 ms
Remote clock offset: -2.117 ms

Below is generated by plot.py at 2017-09-21 16:25:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.24 Mbit/s
95th percentile per-packet one-way delay: 44.940 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 78.24 Mbit/s
95th percentile per-packet one-way delay: 44.940 ms
Loss rate: 0.06%

Run 2: Report of LEDBAT — Data Link

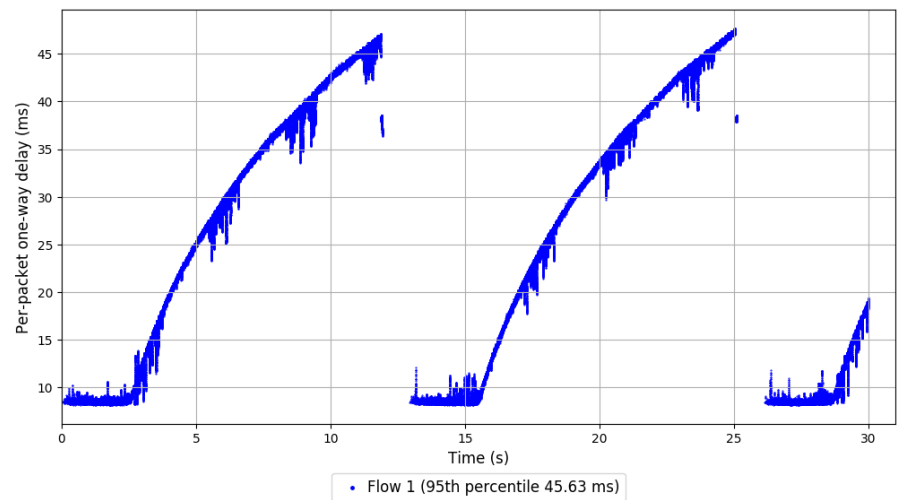
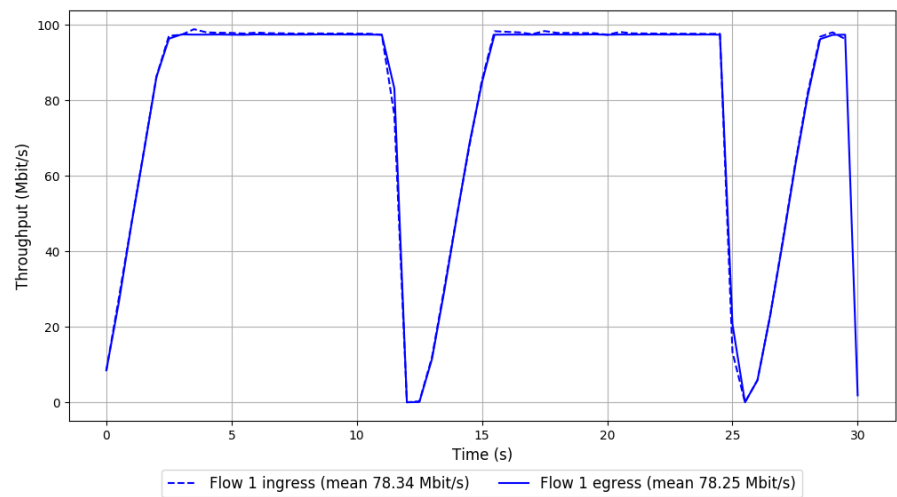


Run 3: Statistics of LEDBAT

Start at: 2017-09-21 13:15:58
End at: 2017-09-21 13:16:28
Local clock offset: 1.561 ms
Remote clock offset: -2.326 ms

Below is generated by plot.py at 2017-09-21 16:25:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.25 Mbit/s
95th percentile per-packet one-way delay: 45.635 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.25 Mbit/s
95th percentile per-packet one-way delay: 45.635 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

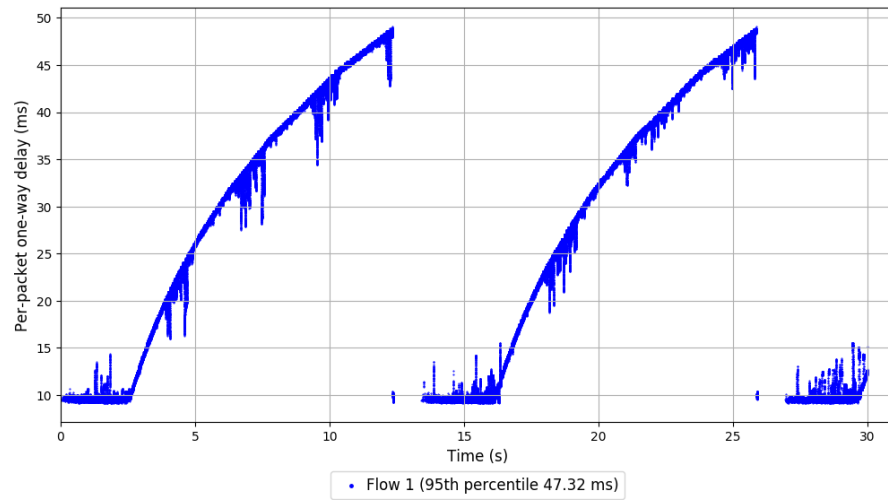
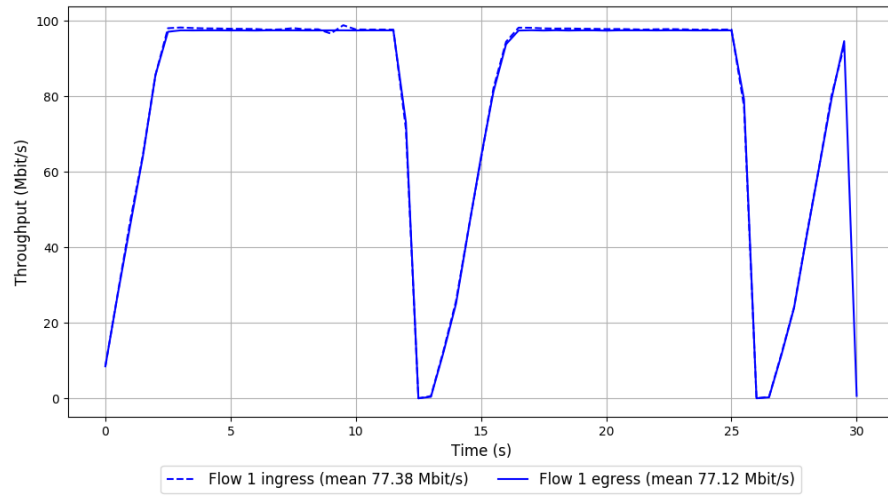


Run 4: Statistics of LEDBAT

Start at: 2017-09-21 13:36:21
End at: 2017-09-21 13:36:51
Local clock offset: 1.481 ms
Remote clock offset: -1.907 ms

Below is generated by plot.py at 2017-09-21 16:25:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 47.322 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 47.322 ms
Loss rate: 0.33%

Run 4: Report of LEDBAT — Data Link

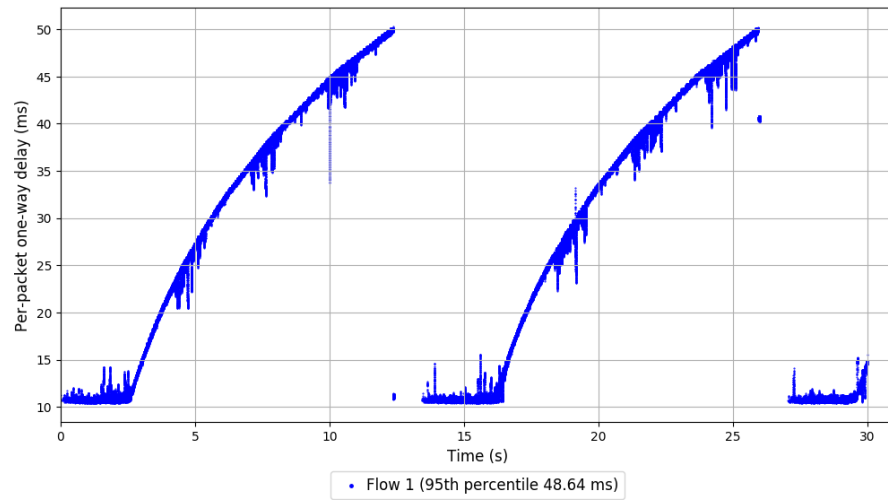
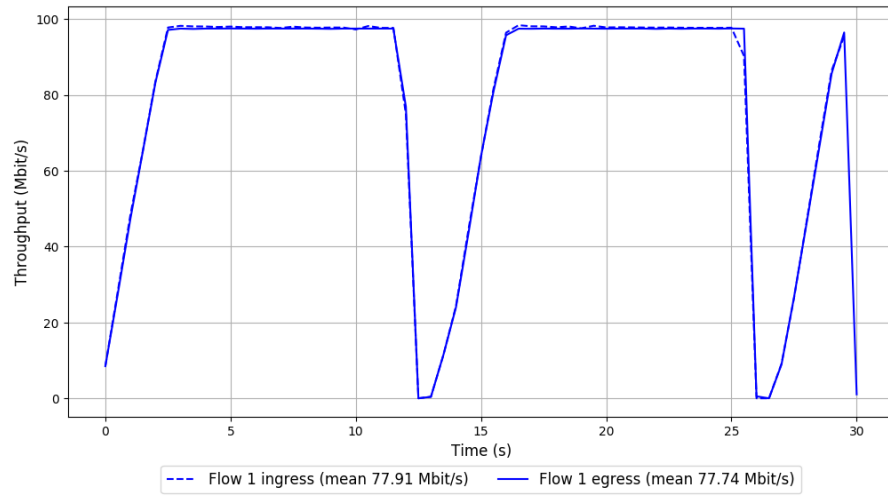


Run 5: Statistics of LEDBAT

Start at: 2017-09-21 13:56:03
End at: 2017-09-21 13:56:33
Local clock offset: -4.042 ms
Remote clock offset: -5.874 ms

Below is generated by plot.py at 2017-09-21 16:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 48.639 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 48.639 ms
Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

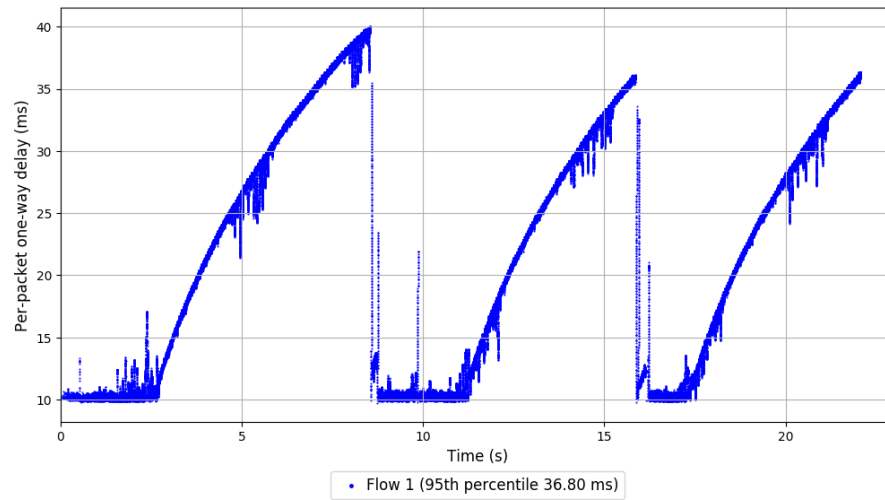
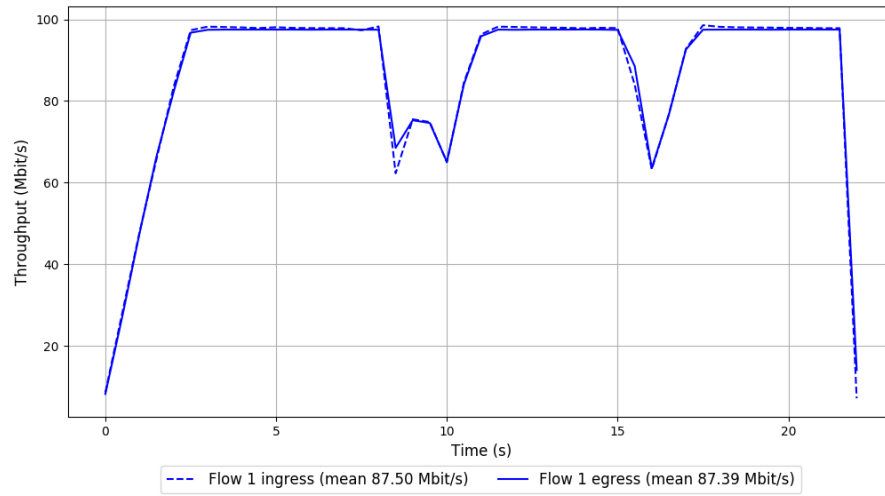
Start at: 2017-09-21 14:14:36

End at: 2017-09-21 14:15:06

Local clock offset: 0.055 ms

Remote clock offset: -2.025 ms

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

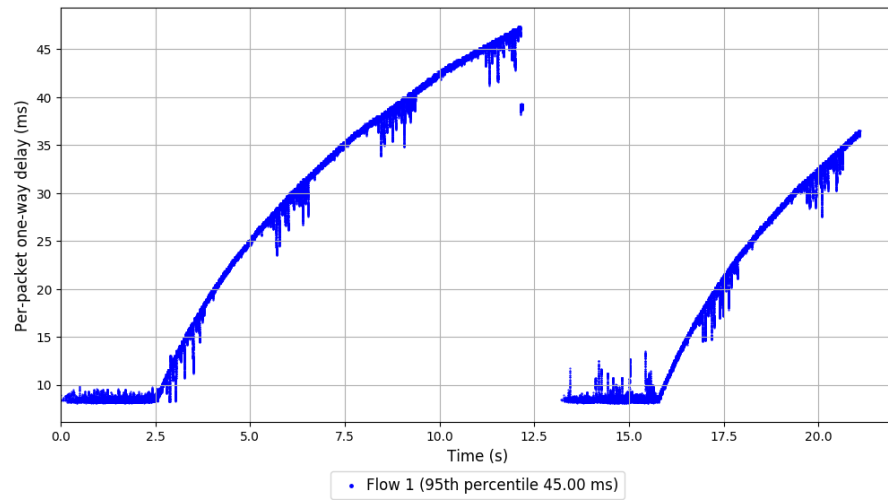
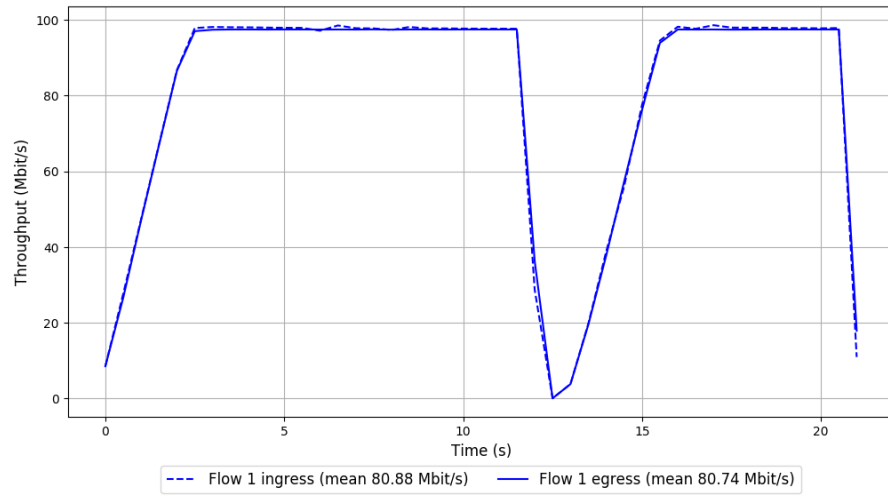
Start at: 2017-09-21 14:33:13

End at: 2017-09-21 14:33:43

Local clock offset: 1.71 ms

Remote clock offset: -1.502 ms

Run 7: Report of LEDBAT — Data Link

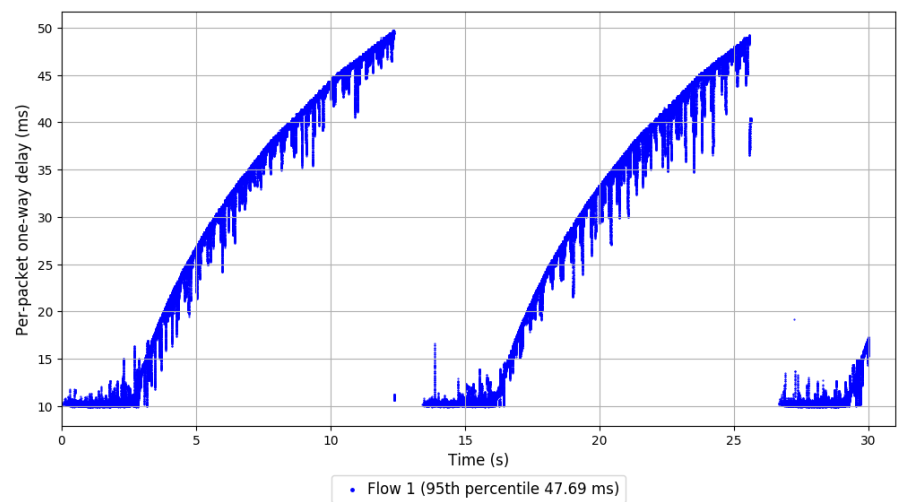
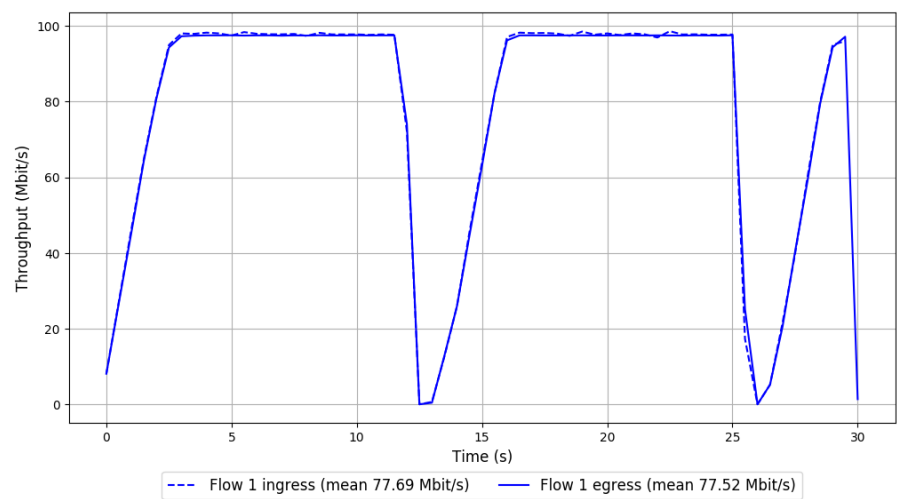


Run 8: Statistics of LEDBAT

Start at: 2017-09-21 15:07:44
End at: 2017-09-21 15:08:14
Local clock offset: -1.192 ms
Remote clock offset: -1.522 ms

Below is generated by plot.py at 2017-09-21 16:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.52 Mbit/s
95th percentile per-packet one-way delay: 47.694 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.52 Mbit/s
95th percentile per-packet one-way delay: 47.694 ms
Loss rate: 0.20%

Run 8: Report of LEDBAT — Data Link

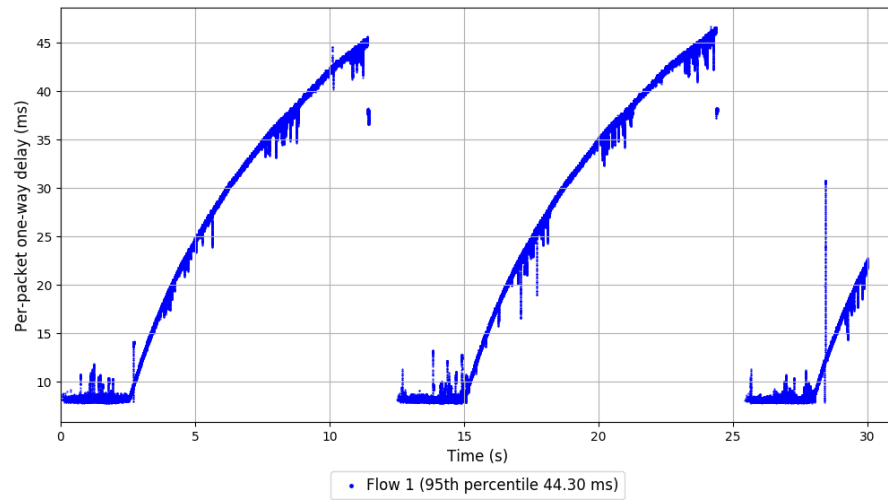
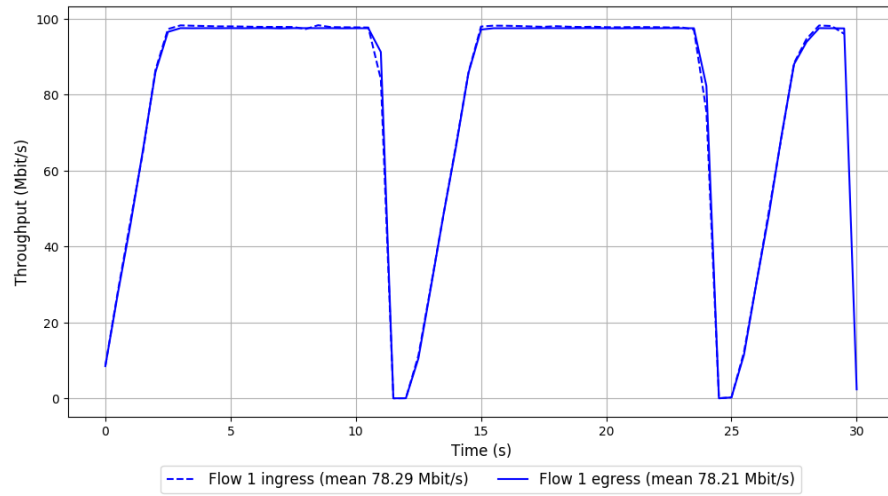


Run 9: Statistics of LEDBAT

Start at: 2017-09-21 15:32:41
End at: 2017-09-21 15:33:11
Local clock offset: 0.301 ms
Remote clock offset: -1.582 ms

Below is generated by plot.py at 2017-09-21 16:26:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 44.302 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 44.302 ms
Loss rate: 0.07%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

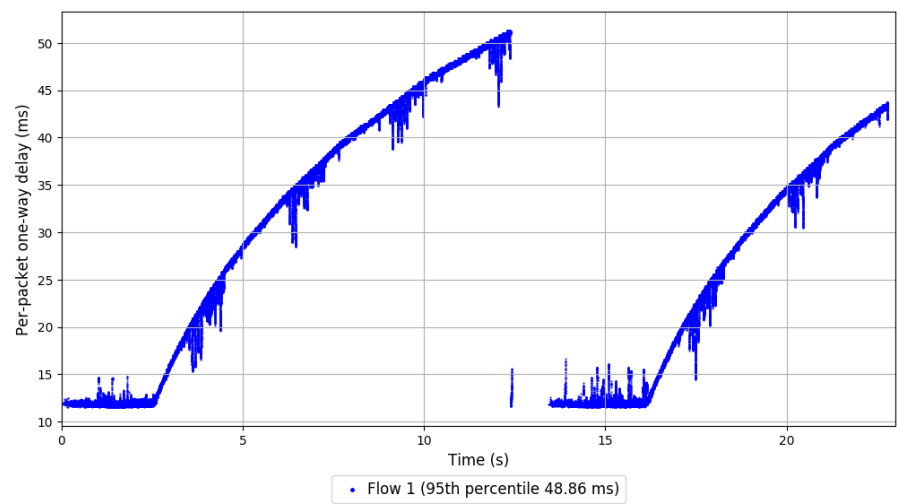
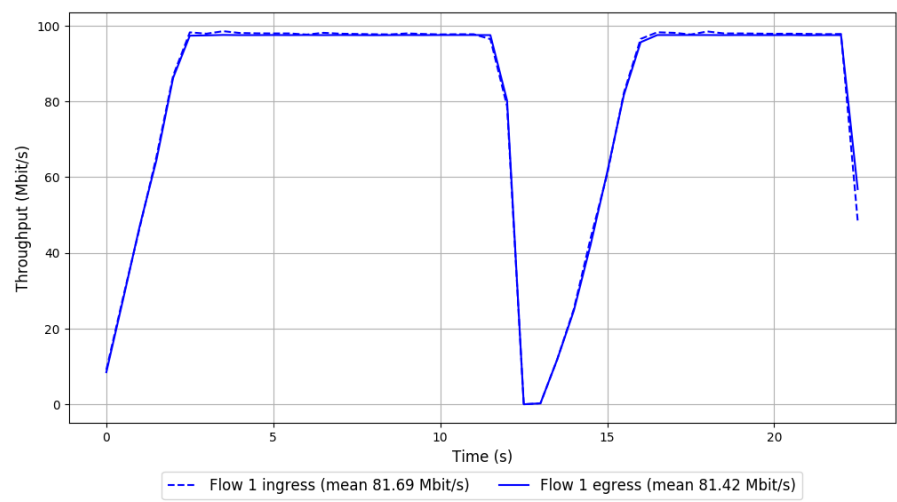
Start at: 2017-09-21 15:51:06

End at: 2017-09-21 15:51:36

Local clock offset: -3.097 ms

Remote clock offset: -0.829 ms

Run 10: Report of LEDBAT — Data Link

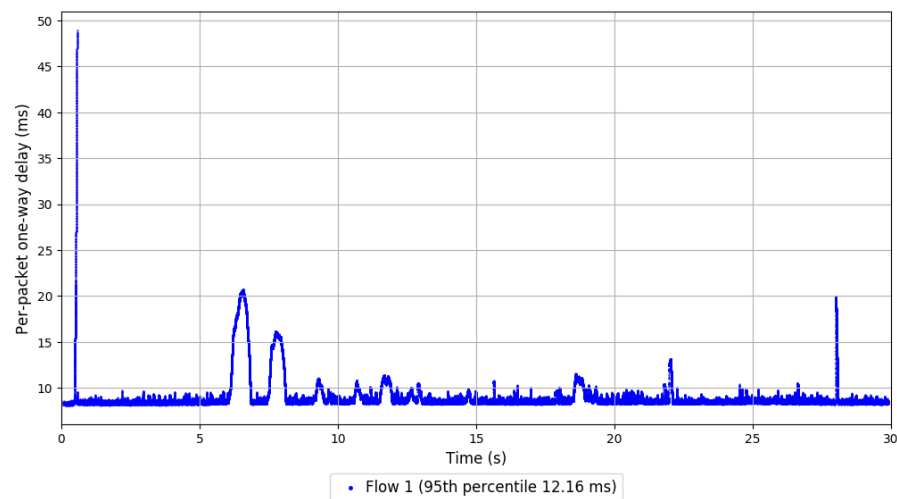
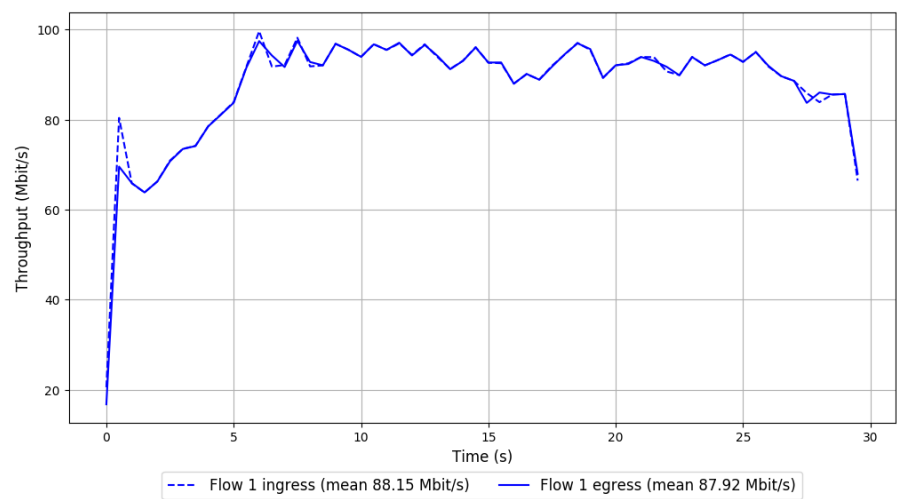


Run 1: Statistics of PCC

Start at: 2017-09-21 12:40:02
End at: 2017-09-21 12:40:32
Local clock offset: -0.323 ms
Remote clock offset: -2.694 ms

Below is generated by plot.py at 2017-09-21 16:26:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 12.161 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 12.161 ms
Loss rate: 0.26%

Run 1: Report of PCC — Data Link

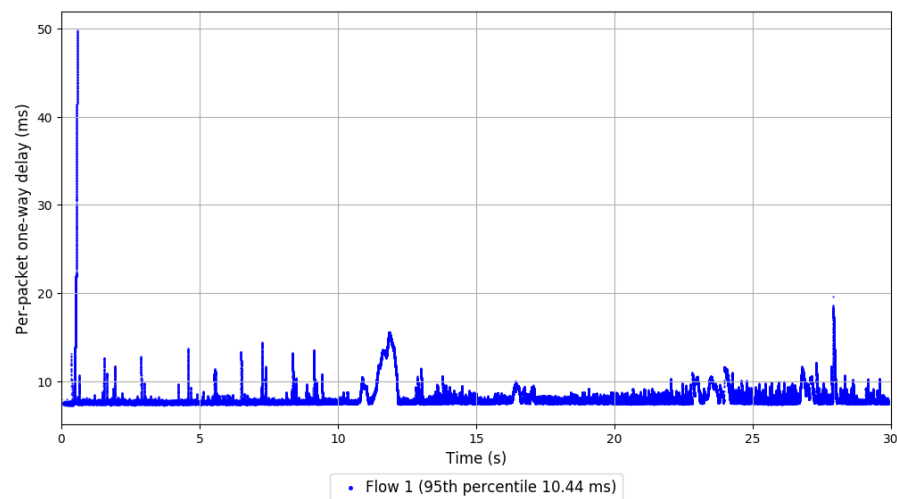
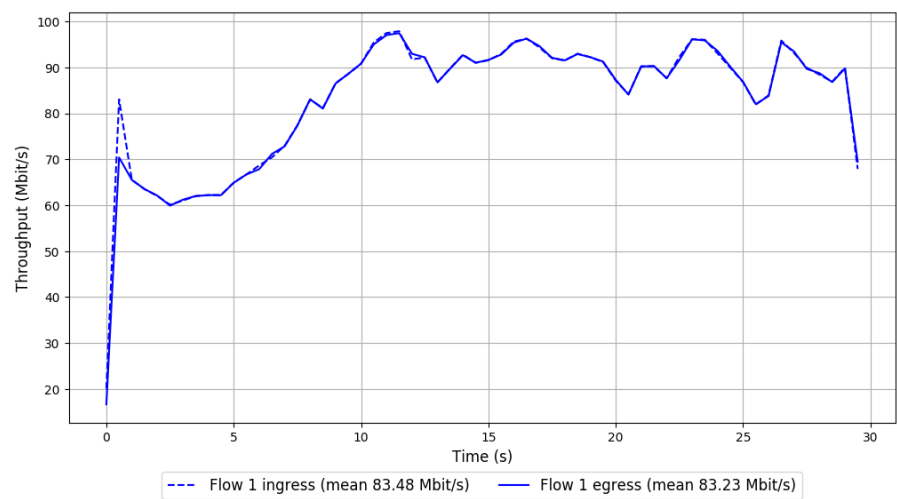


Run 2: Statistics of PCC

Start at: 2017-09-21 12:57:58
End at: 2017-09-21 12:58:28
Local clock offset: 1.714 ms
Remote clock offset: -2.384 ms

Below is generated by plot.py at 2017-09-21 16:26:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 10.442 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 10.442 ms
Loss rate: 0.30%

Run 2: Report of PCC — Data Link

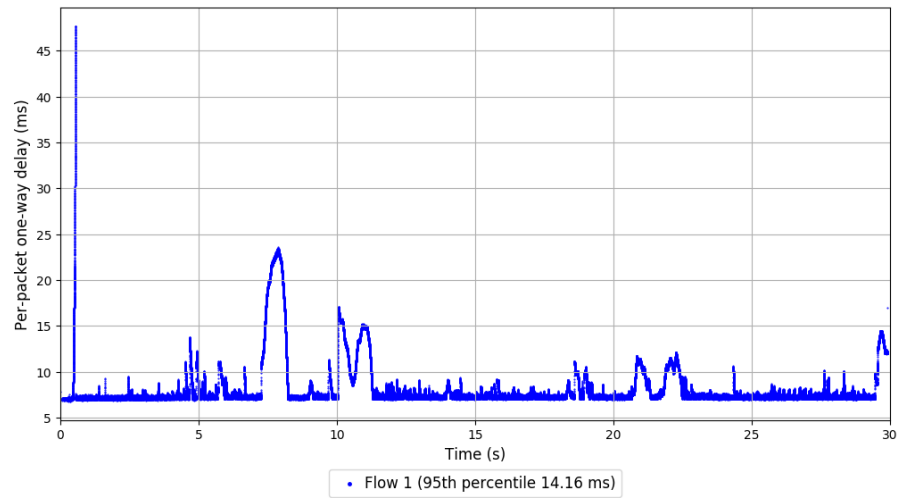
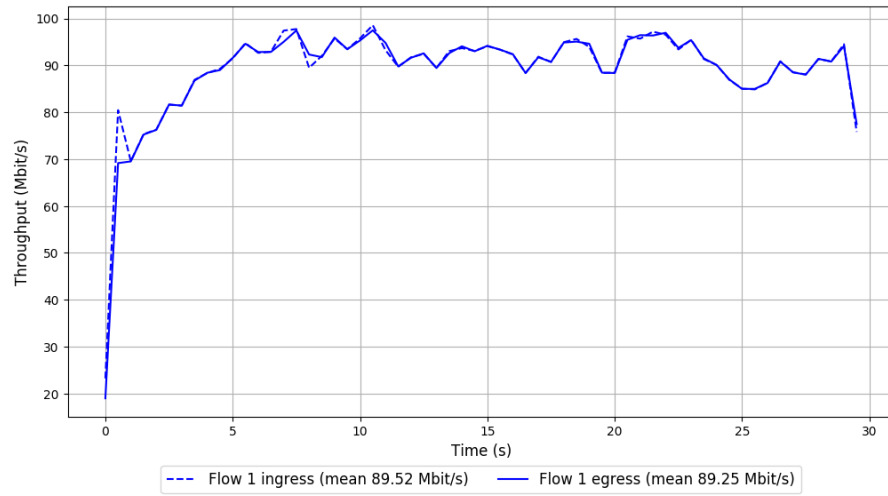


Run 3: Statistics of PCC

Start at: 2017-09-21 13:17:29
End at: 2017-09-21 13:17:59
Local clock offset: 2.856 ms
Remote clock offset: -2.288 ms

Below is generated by plot.py at 2017-09-21 16:27:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 14.164 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 14.164 ms
Loss rate: 0.27%

Run 3: Report of PCC — Data Link

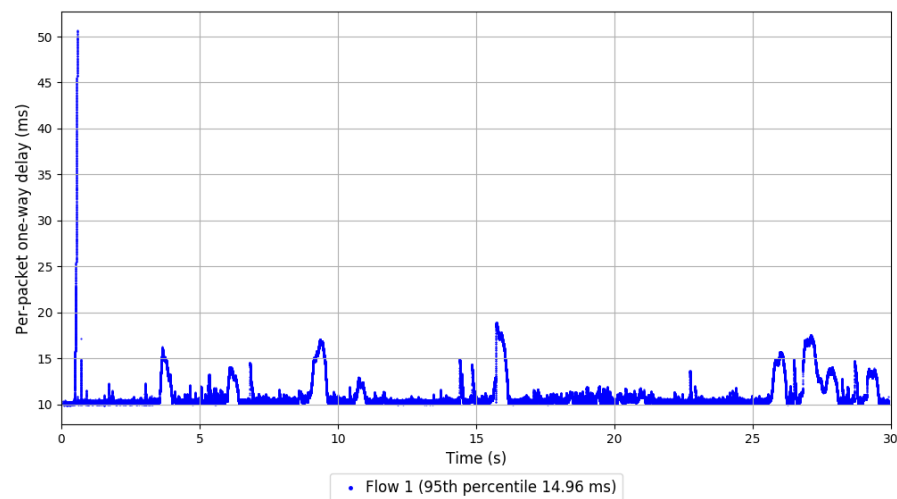
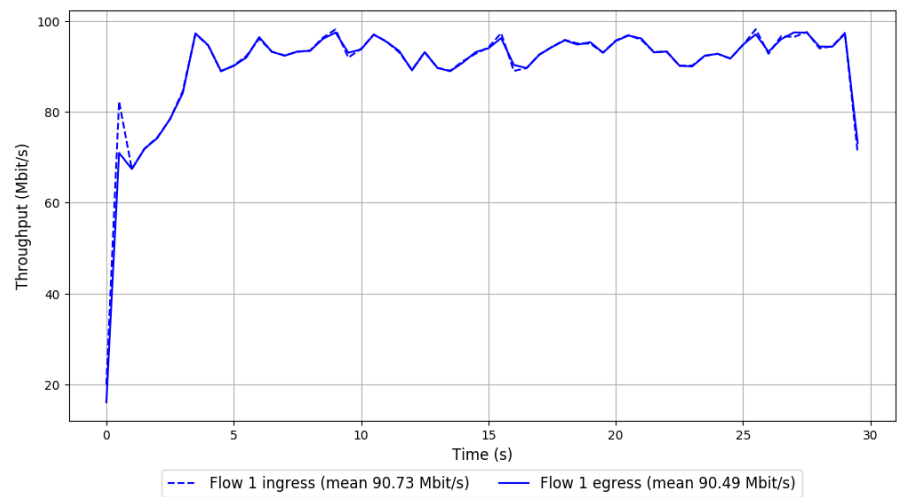


Run 4: Statistics of PCC

Start at: 2017-09-21 13:37:47
End at: 2017-09-21 13:38:17
Local clock offset: 0.97 ms
Remote clock offset: -1.568 ms

Below is generated by plot.py at 2017-09-21 16:27:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 14.958 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 14.958 ms
Loss rate: 0.26%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-09-21 13:57:28

End at: 2017-09-21 13:57:59

Local clock offset: 0.556 ms

Remote clock offset: -1.31 ms

Below is generated by plot.py at 2017-09-21 16:27:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.24 Mbit/s

95th percentile per-packet one-way delay: 17.197 ms

Loss rate: 0.25%

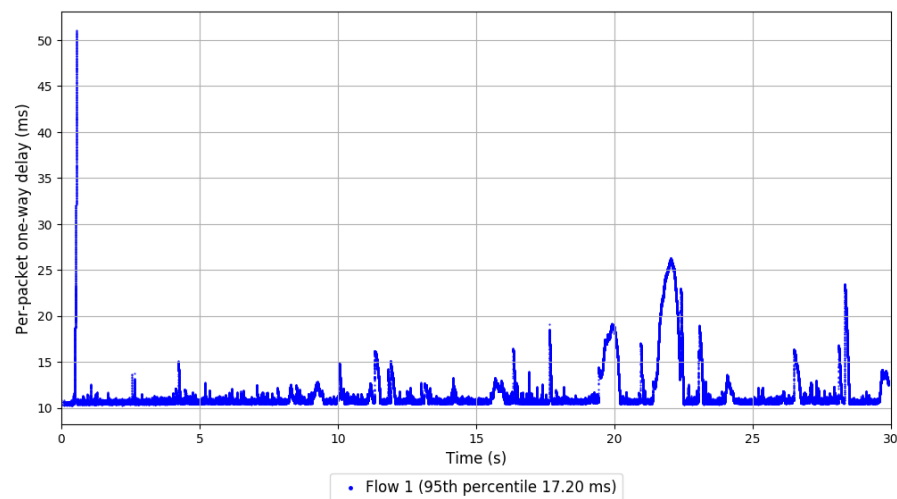
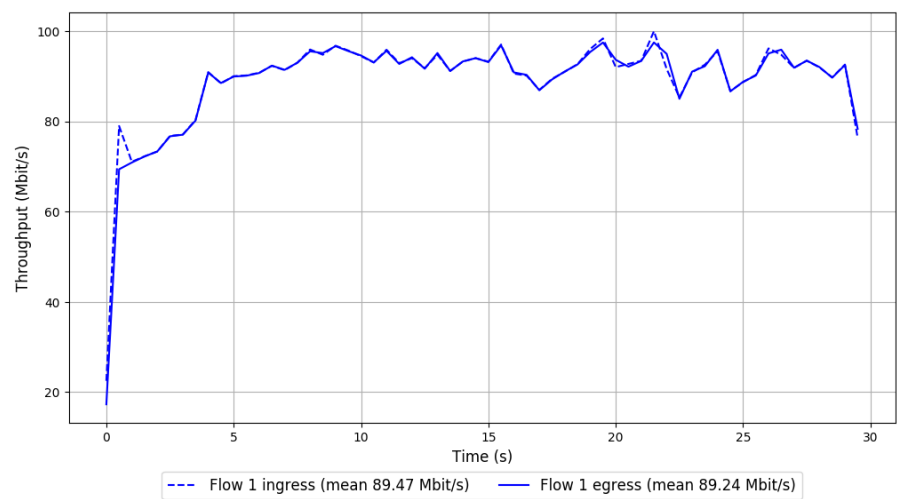
-- Flow 1:

Average throughput: 89.24 Mbit/s

95th percentile per-packet one-way delay: 17.197 ms

Loss rate: 0.25%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-09-21 14:15:56

End at: 2017-09-21 14:16:26

Local clock offset: 2.87 ms

Remote clock offset: -1.35 ms

Below is generated by plot.py at 2017-09-21 16:27:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.44 Mbit/s

95th percentile per-packet one-way delay: 10.457 ms

Loss rate: 0.43%

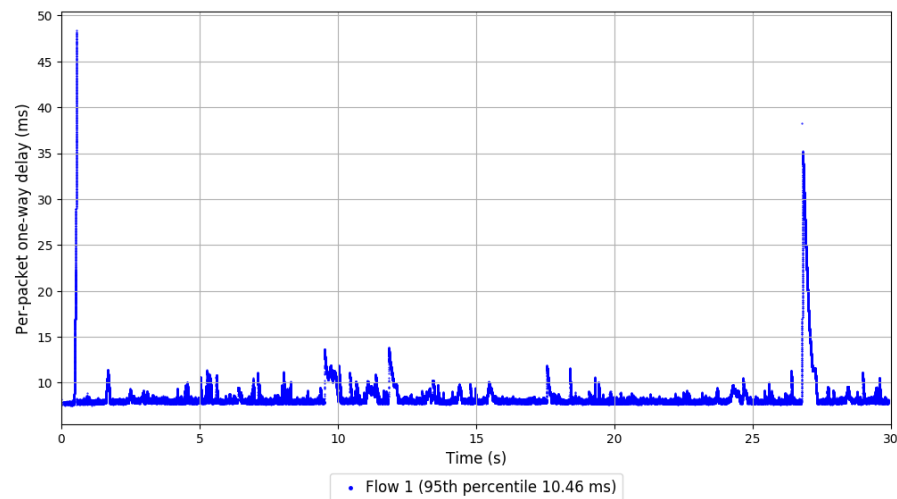
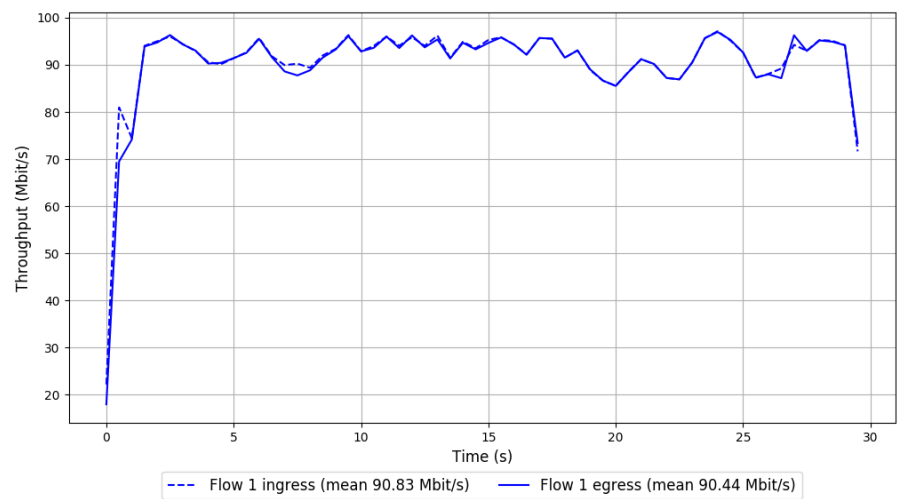
-- Flow 1:

Average throughput: 90.44 Mbit/s

95th percentile per-packet one-way delay: 10.457 ms

Loss rate: 0.43%

Run 6: Report of PCC — Data Link

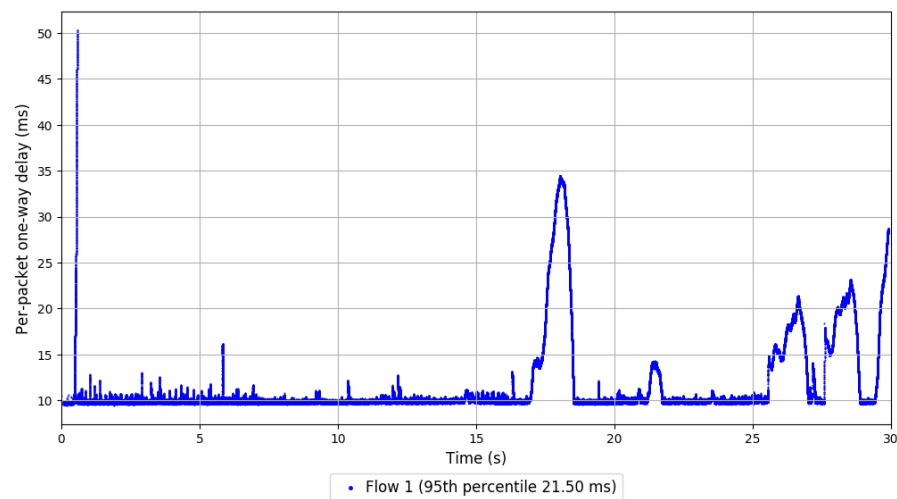
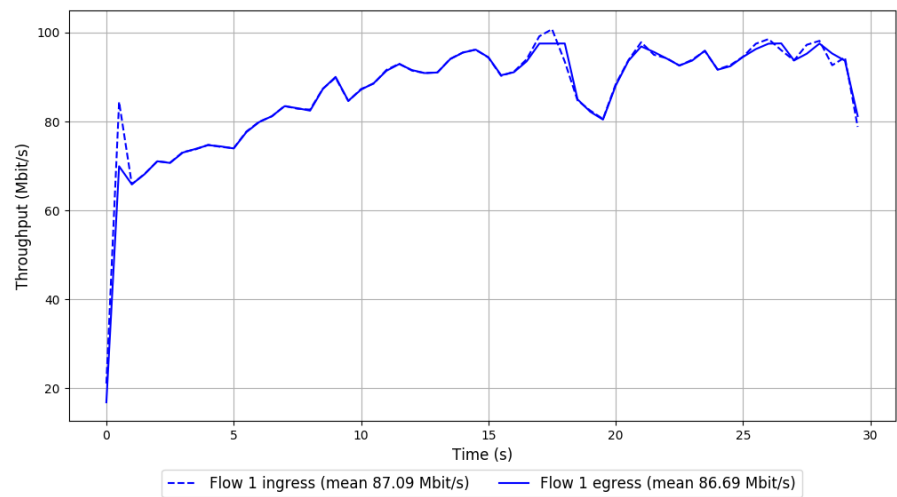


Run 7: Statistics of PCC

Start at: 2017-09-21 14:34:29
End at: 2017-09-21 14:34:59
Local clock offset: -0.271 ms
Remote clock offset: -1.933 ms

Below is generated by plot.py at 2017-09-21 16:27:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 21.497 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 21.497 ms
Loss rate: 0.40%

Run 7: Report of PCC — Data Link

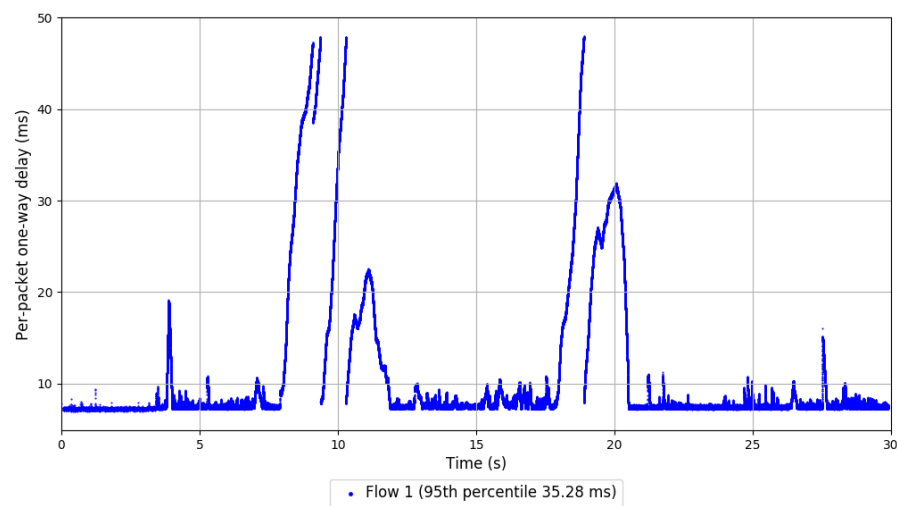
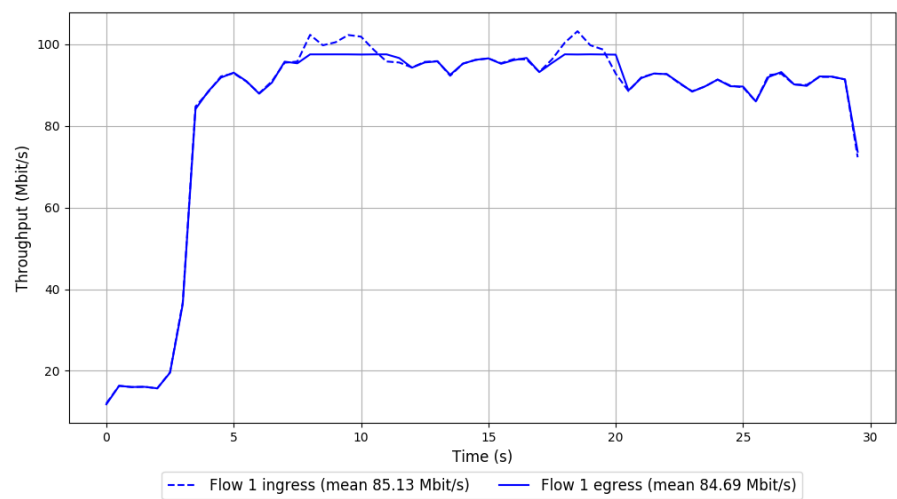


Run 8: Statistics of PCC

Start at: 2017-09-21 15:10:38
End at: 2017-09-21 15:11:08
Local clock offset: 1.041 ms
Remote clock offset: -1.956 ms

Below is generated by plot.py at 2017-09-21 16:28:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 35.283 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 35.283 ms
Loss rate: 0.51%

Run 8: Report of PCC — Data Link

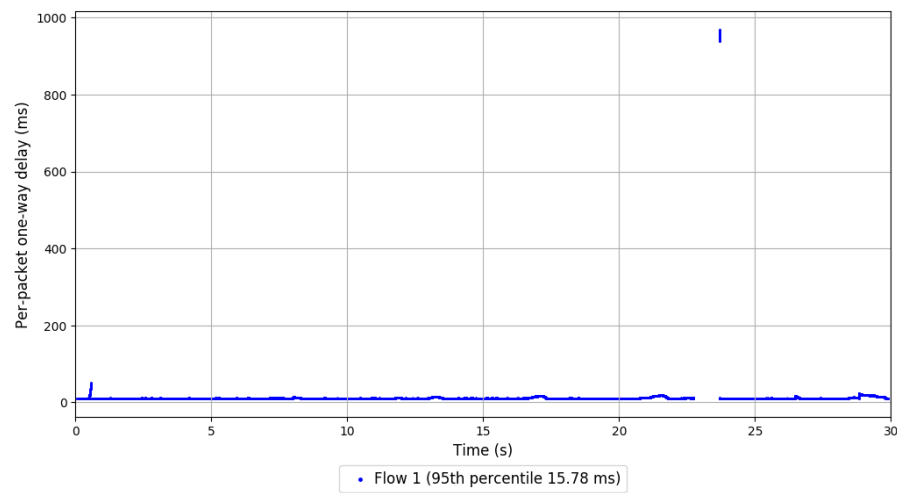
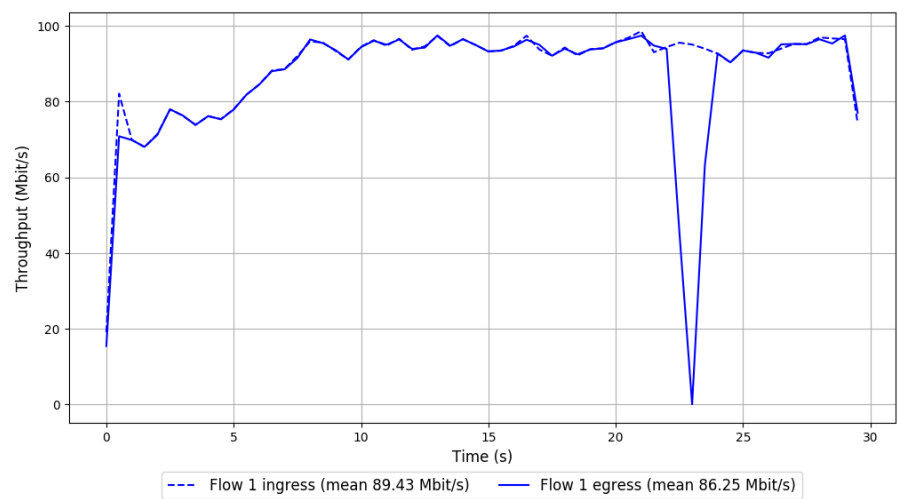


Run 9: Statistics of PCC

Start at: 2017-09-21 15:34:08
End at: 2017-09-21 15:34:38
Local clock offset: -2.012 ms
Remote clock offset: -2.097 ms

Below is generated by plot.py at 2017-09-21 16:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 15.783 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 15.783 ms
Loss rate: 3.55%

Run 9: Report of PCC — Data Link

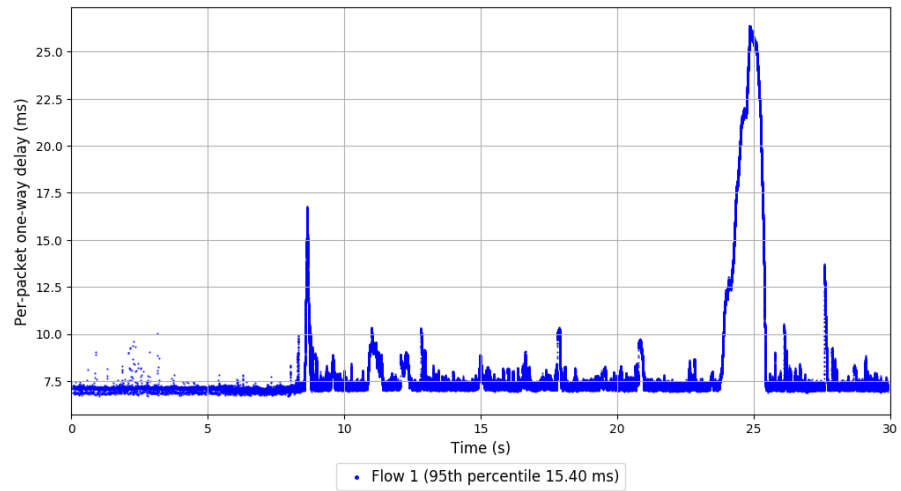
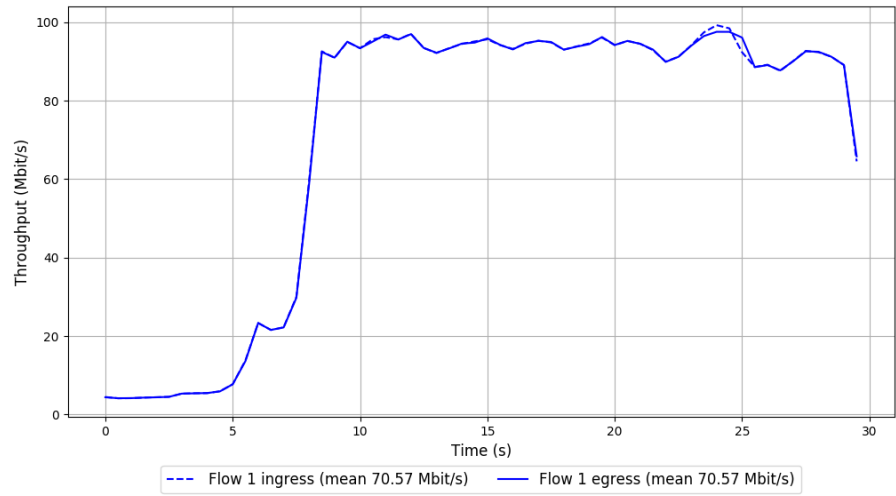


Run 10: Statistics of PCC

Start at: 2017-09-21 15:52:36
End at: 2017-09-21 15:53:06
Local clock offset: -0.215 ms
Remote clock offset: -2.582 ms

Below is generated by plot.py at 2017-09-21 16:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.57 Mbit/s
95th percentile per-packet one-way delay: 15.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.57 Mbit/s
95th percentile per-packet one-way delay: 15.405 ms
Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

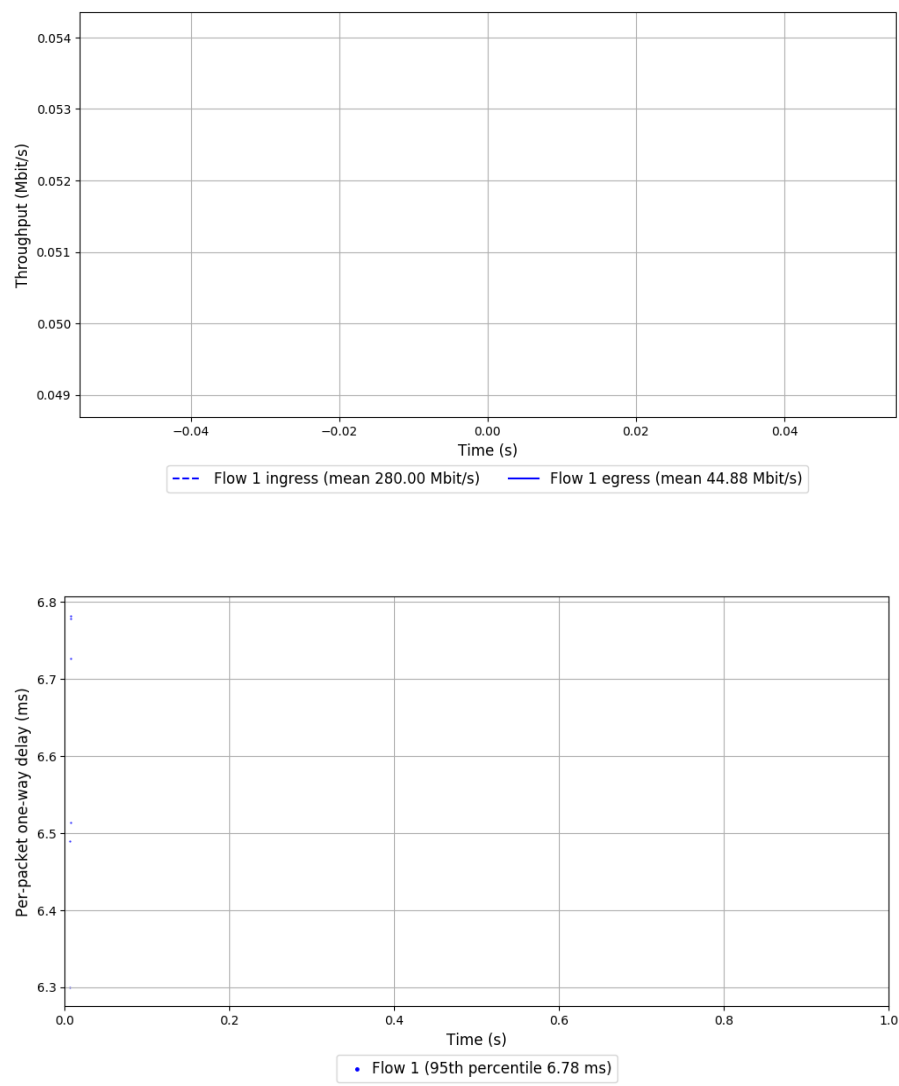
Start at: 2017-09-21 12:28:22

End at: 2017-09-21 12:28:52

Local clock offset: 1.517 ms

Remote clock offset: -2.93 ms

Run 1: Report of QUIC Cubic — Data Link

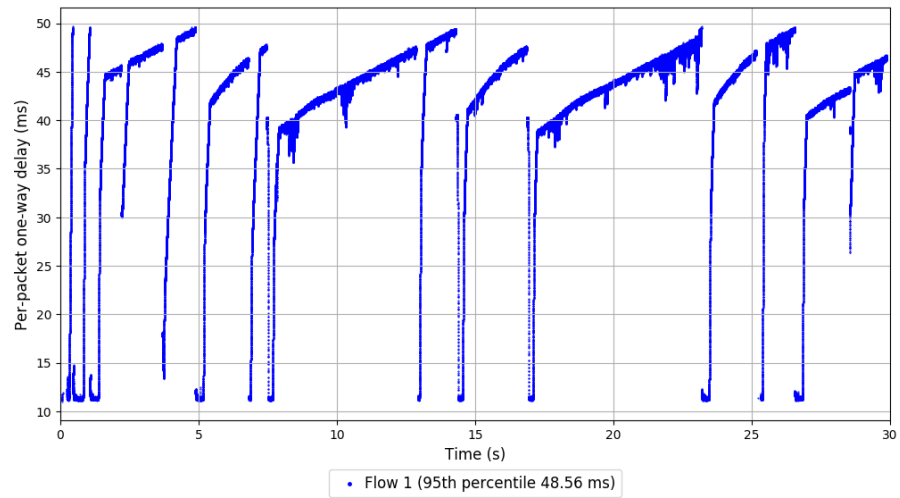
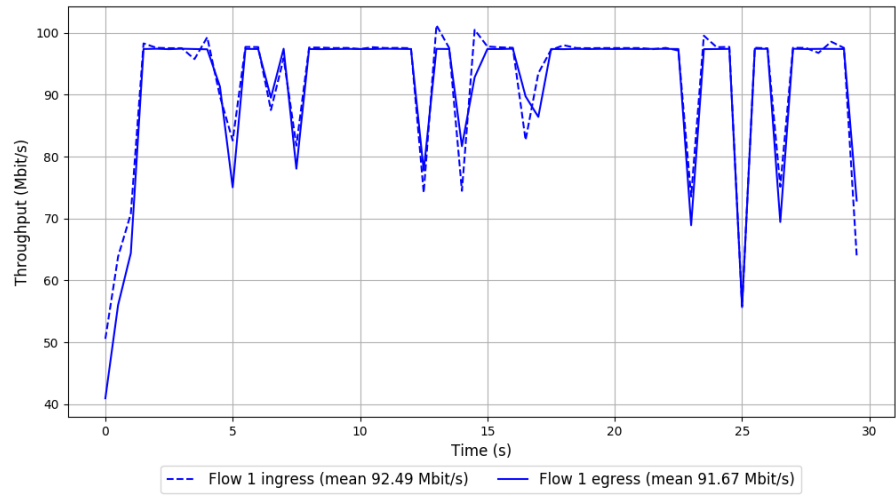


Run 2: Statistics of QUIC Cubic

Start at: 2017-09-21 12:52:45
End at: 2017-09-21 12:53:16
Local clock offset: -0.946 ms
Remote clock offset: -1.089 ms

Below is generated by plot.py at 2017-09-21 16:29:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 48.565 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 48.565 ms
Loss rate: 0.77%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

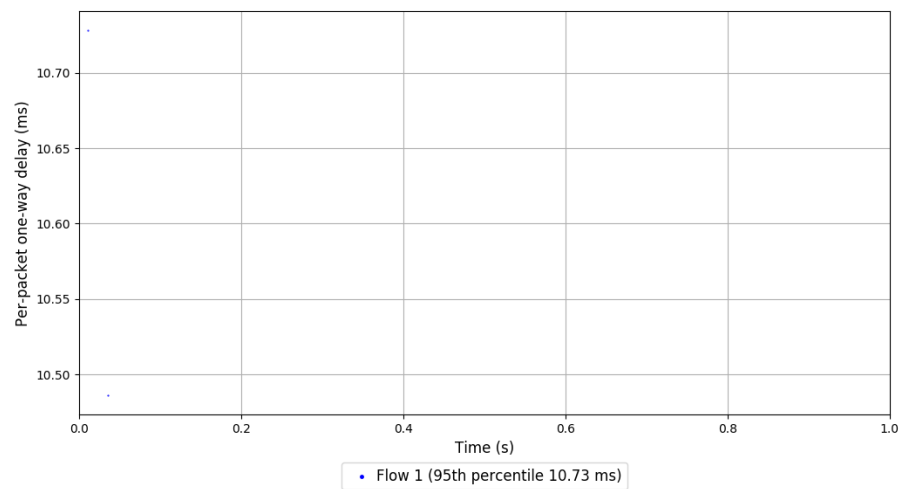
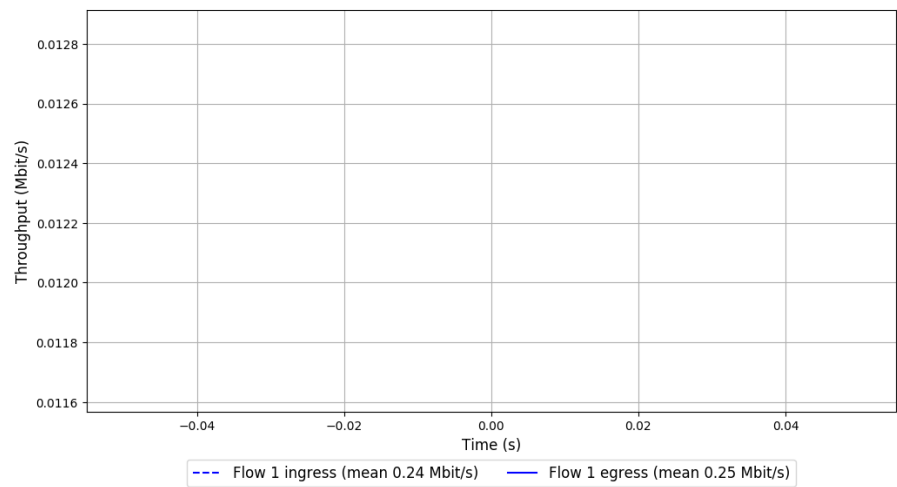
Start at: 2017-09-21 13:12:07

End at: 2017-09-21 13:12:37

Local clock offset: -0.617 ms

Remote clock offset: -1.936 ms

Run 3: Report of QUIC Cubic — Data Link

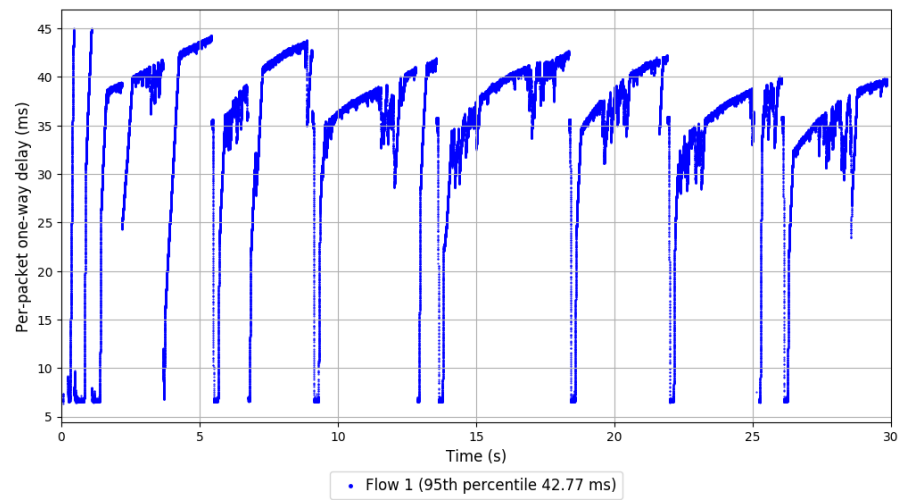
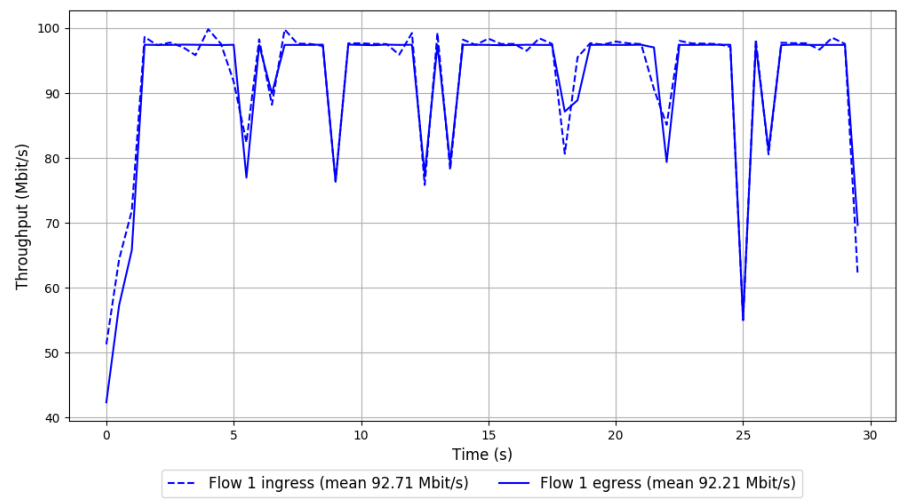


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-21 13:31:11
End at: 2017-09-21 13:31:41
Local clock offset: 4.364 ms
Remote clock offset: -1.765 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 42.765 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 42.765 ms
Loss rate: 0.42%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

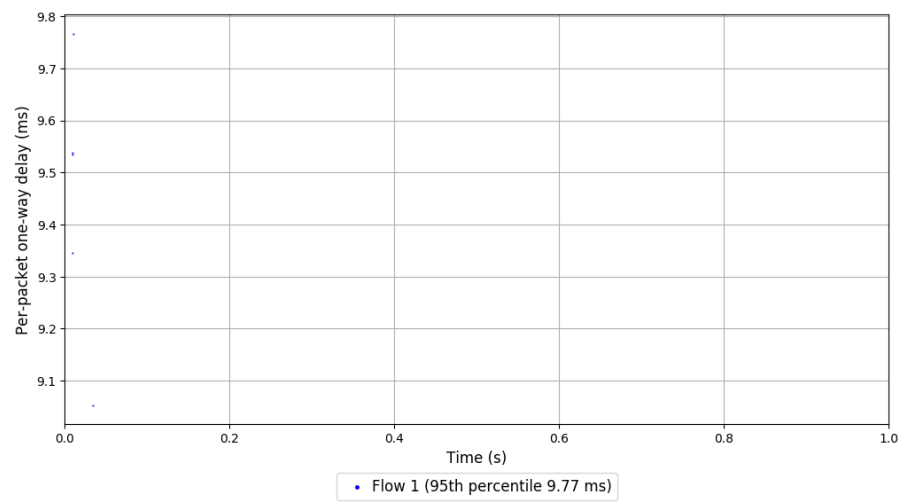
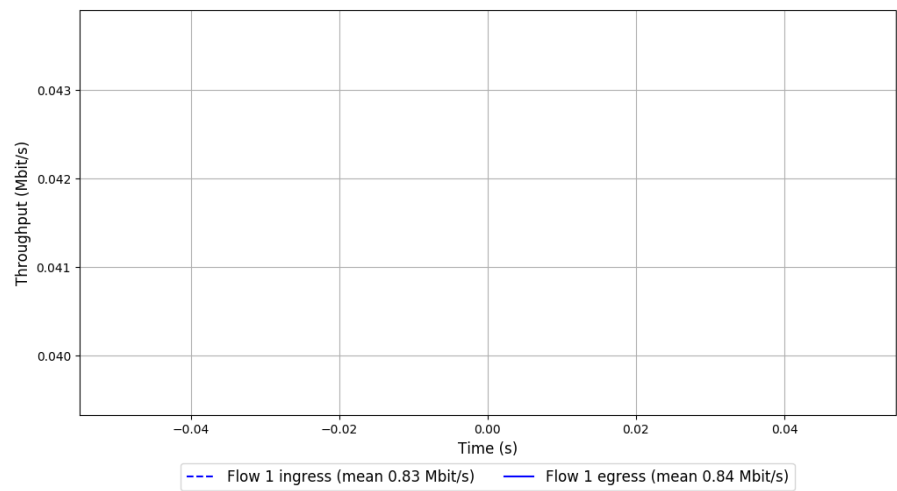
Start at: 2017-09-21 13:51:49

End at: 2017-09-21 13:52:19

Local clock offset: 0.934 ms

Remote clock offset: -2.307 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

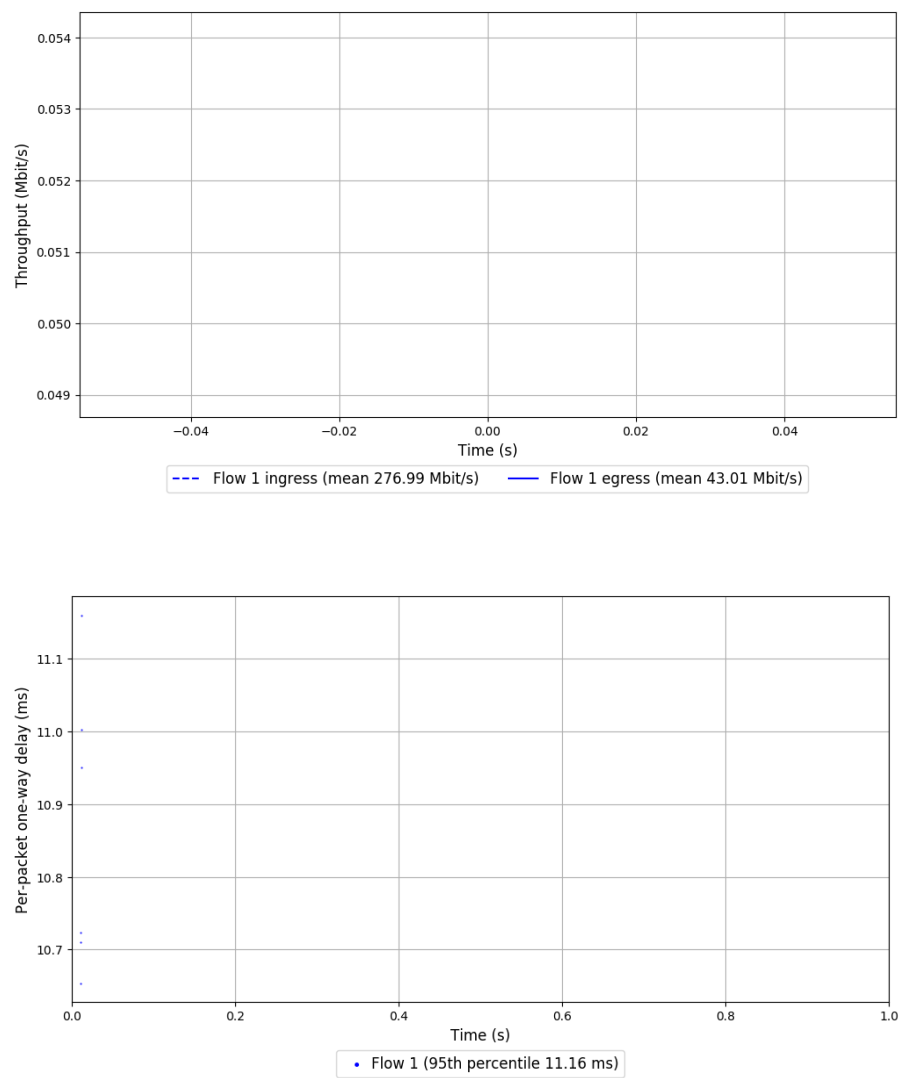
Start at: 2017-09-21 14:10:35

End at: 2017-09-21 14:11:06

Local clock offset: -0.062 ms

Remote clock offset: -1.792 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

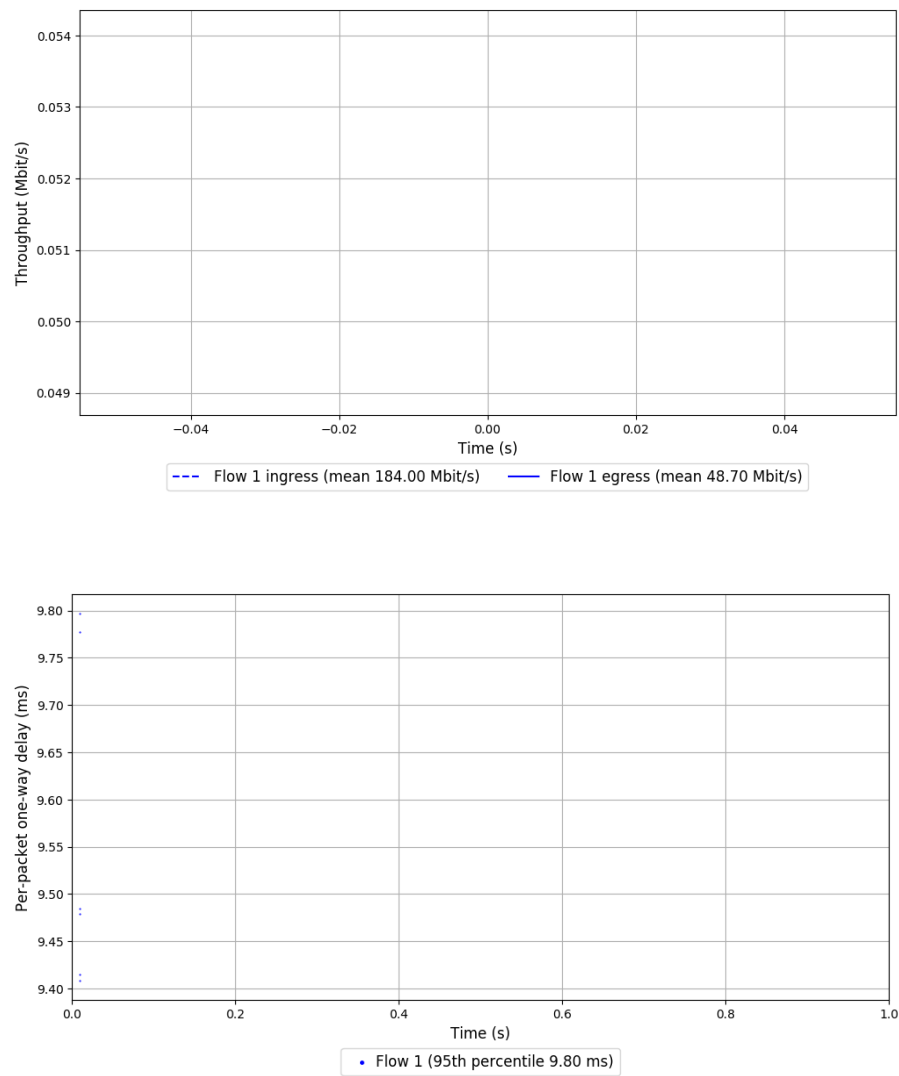
Start at: 2017-09-21 14:29:13

End at: 2017-09-21 14:29:43

Local clock offset: 1.316 ms

Remote clock offset: -1.231 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

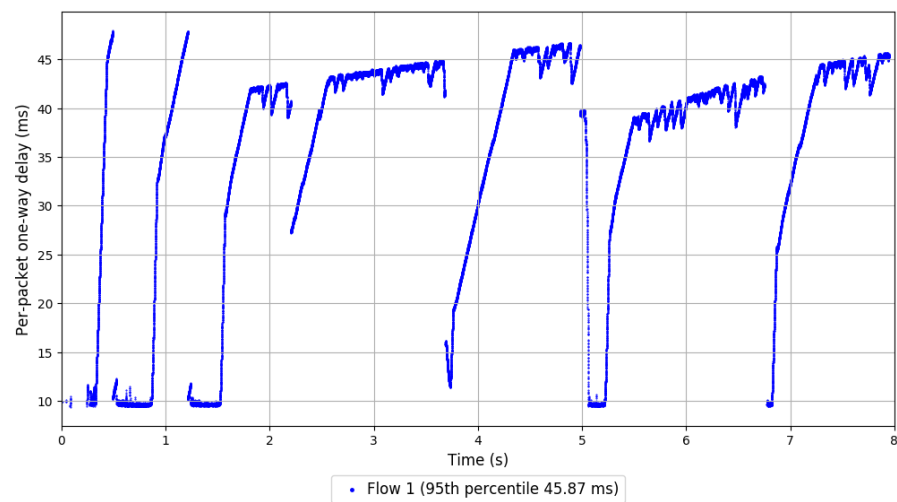
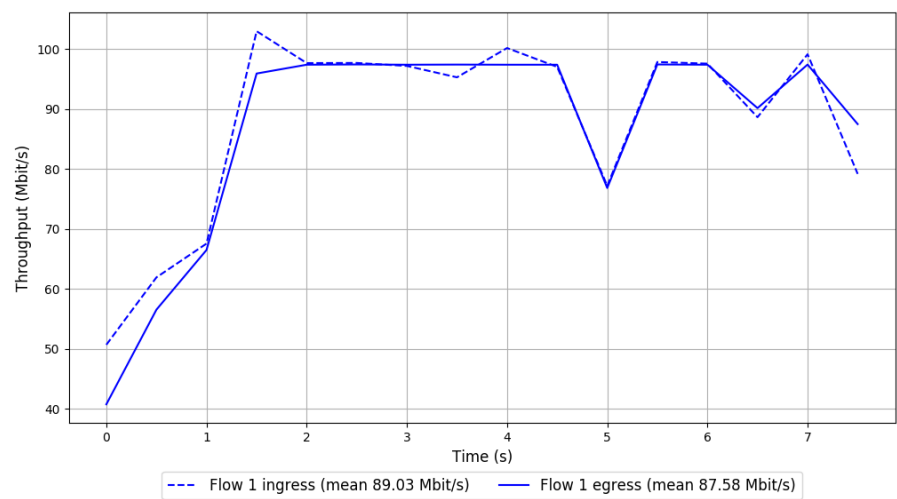
Start at: 2017-09-21 15:00:01

End at: 2017-09-21 15:00:31

Local clock offset: -1.168 ms

Remote clock offset: -2.293 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

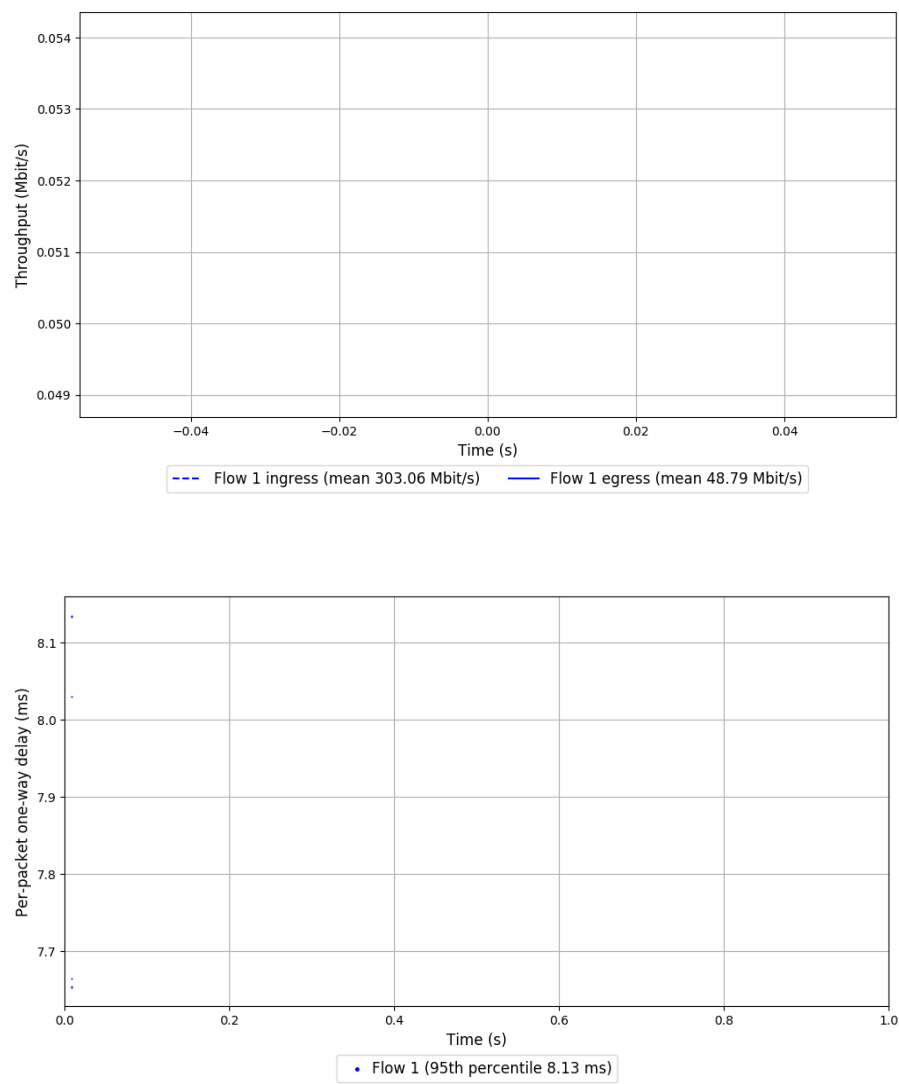
Start at: 2017-09-21 15:28:47

End at: 2017-09-21 15:29:17

Local clock offset: 0.384 ms

Remote clock offset: -1.983 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

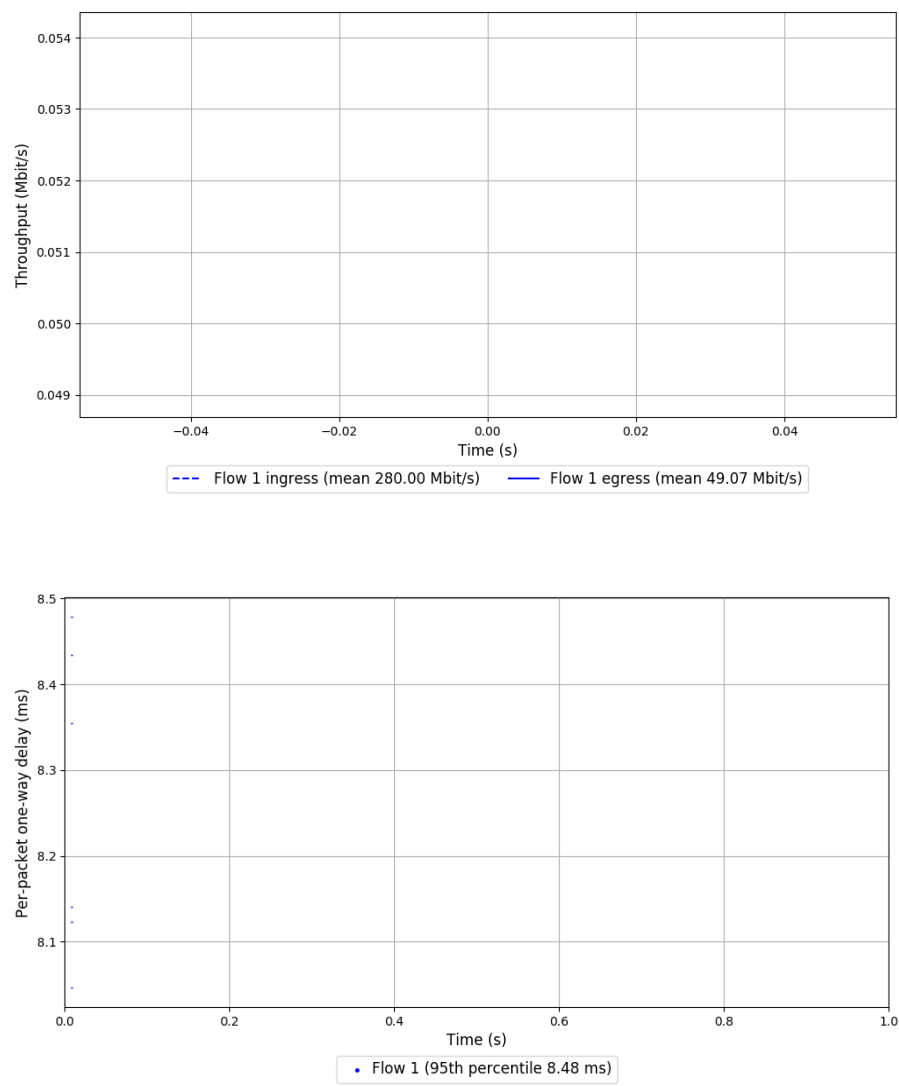
Start at: 2017-09-21 15:47:06

End at: 2017-09-21 15:47:36

Local clock offset: -0.14 ms

Remote clock offset: -2.385 ms

Run 10: Report of QUIC Cubic — Data Link

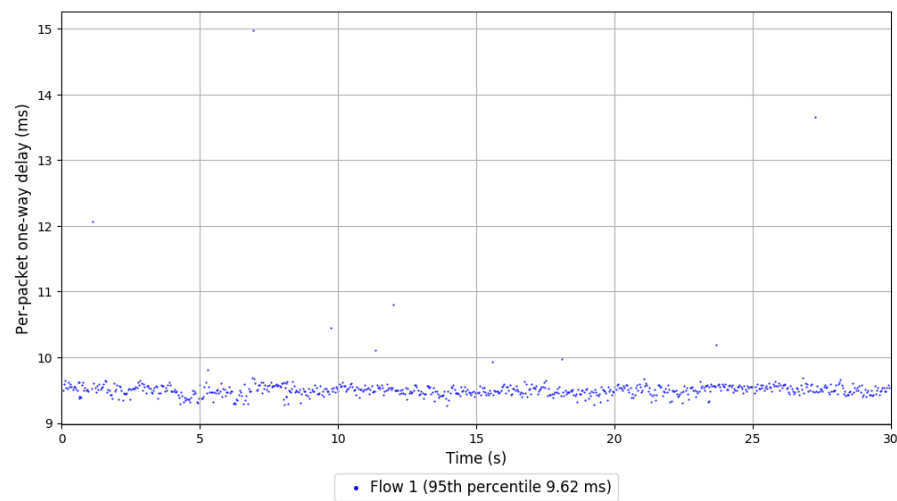
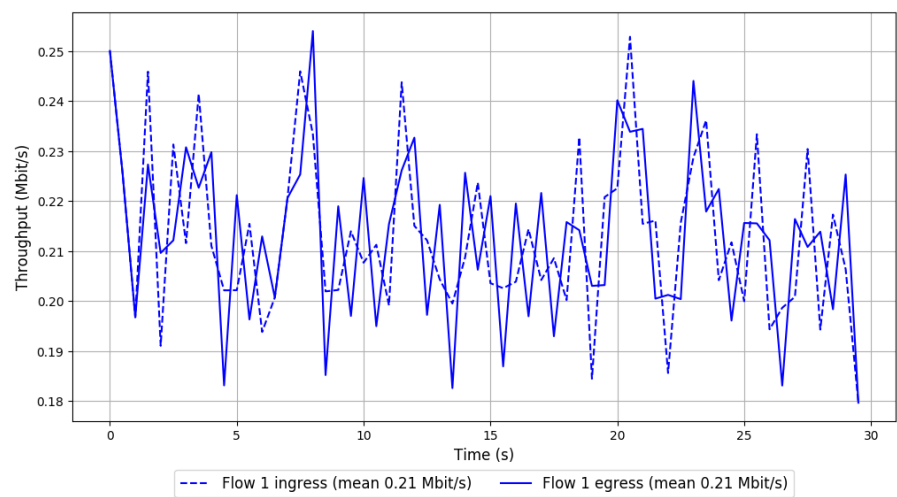


Run 1: Statistics of SCReAM

Start at: 2017-09-21 12:24:39
End at: 2017-09-21 12:25:09
Local clock offset: -1.642 ms
Remote clock offset: -2.639 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.615 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

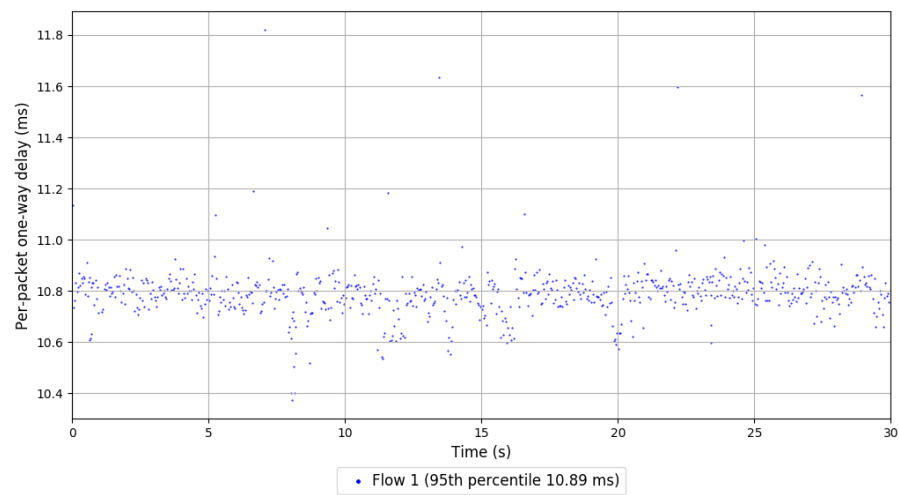
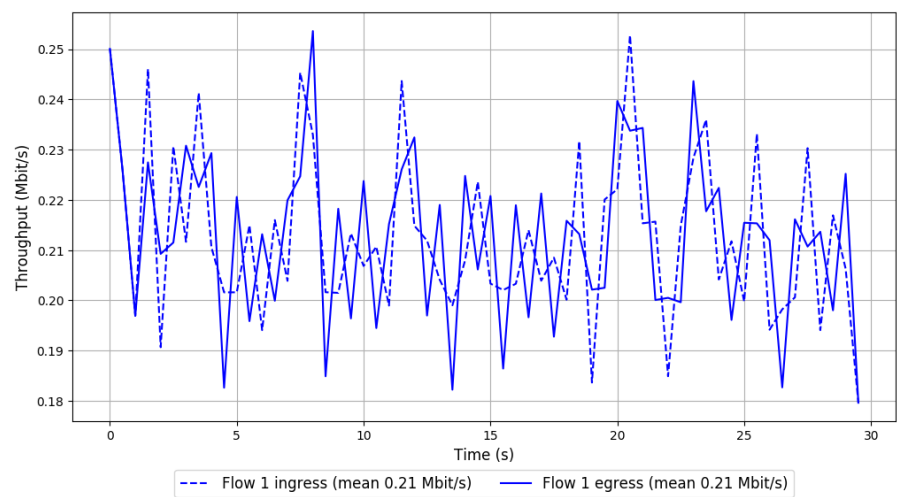


Run 2: Statistics of SCReAM

Start at: 2017-09-21 12:49:23
End at: 2017-09-21 12:49:53
Local clock offset: -1.317 ms
Remote clock offset: -1.805 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.887 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

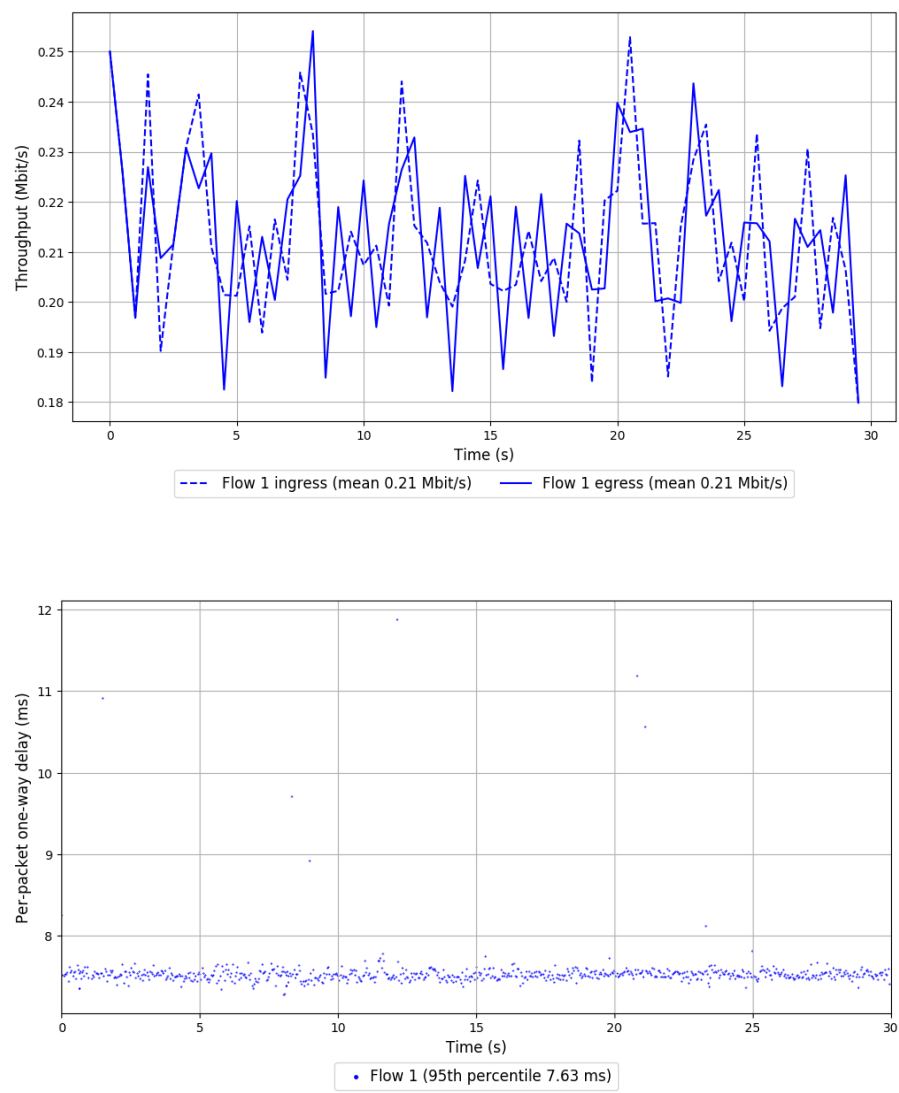


Run 3: Statistics of SCReAM

Start at: 2017-09-21 13:08:04
End at: 2017-09-21 13:08:34
Local clock offset: 2.07 ms
Remote clock offset: -2.428 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.631 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

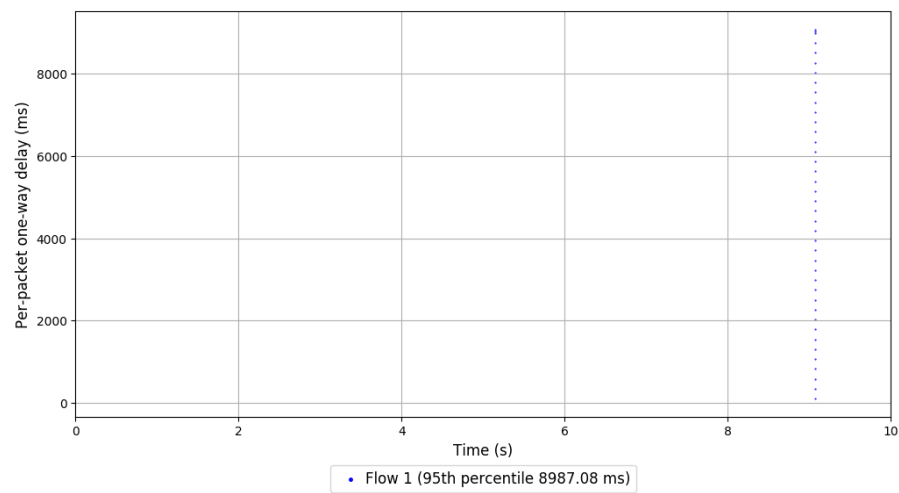
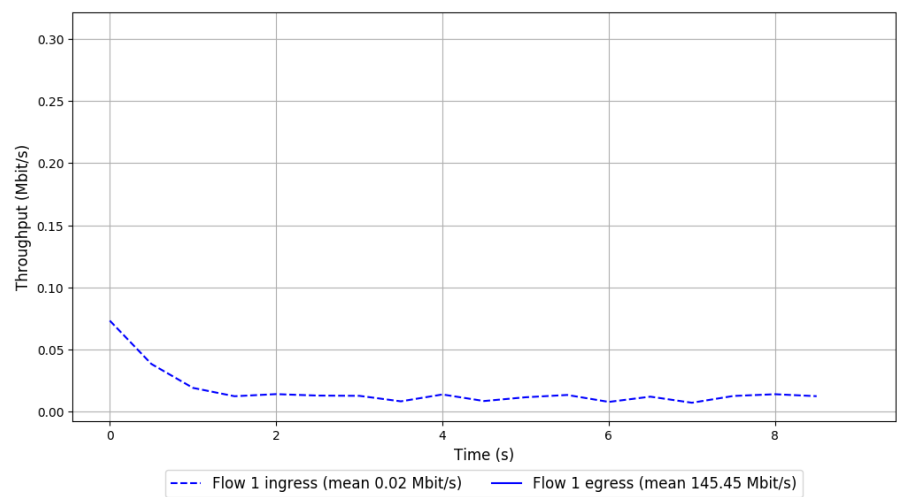
Start at: 2017-09-21 13:27:35

End at: 2017-09-21 13:28:05

Local clock offset: 0.961 ms

Remote clock offset: -1.497 ms

Run 4: Report of SReAM — Data Link

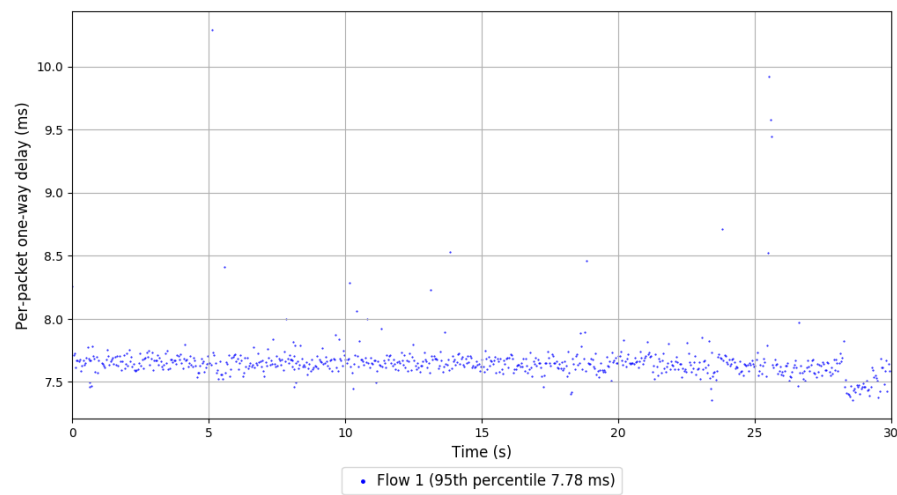
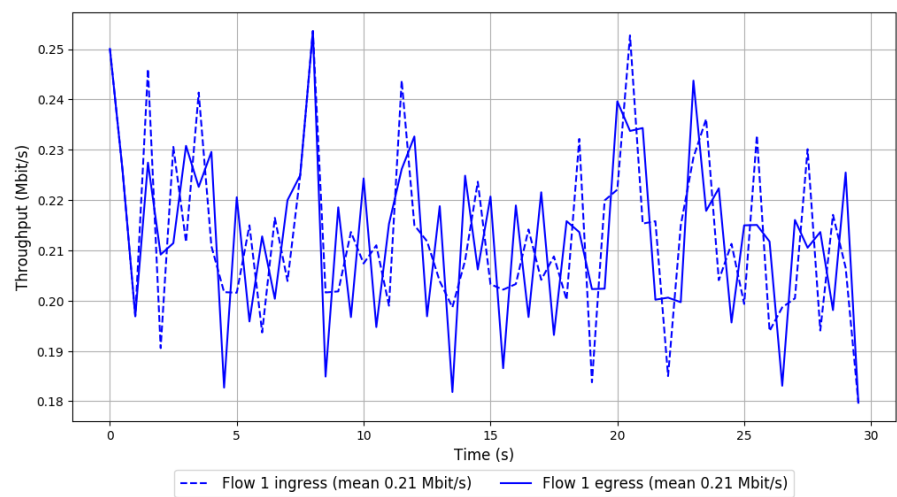


Run 5: Statistics of SCReAM

Start at: 2017-09-21 13:48:01
End at: 2017-09-21 13:48:31
Local clock offset: 3.11 ms
Remote clock offset: -1.766 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.779 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

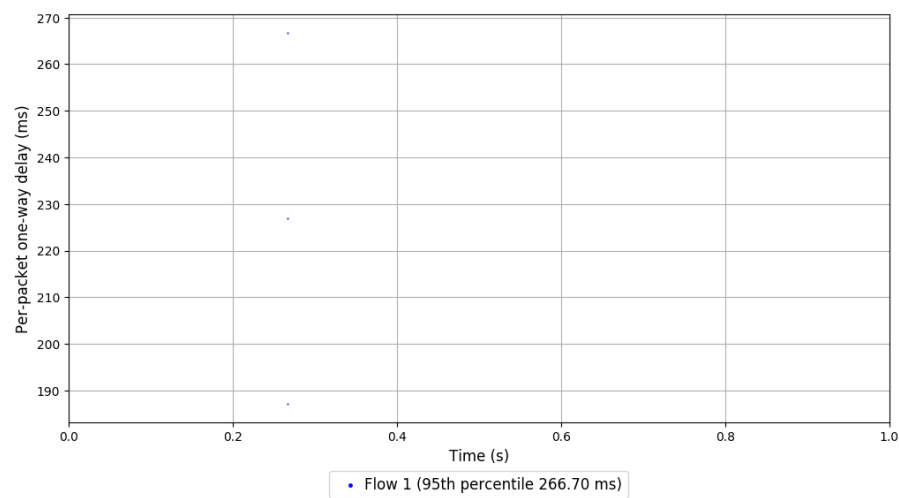
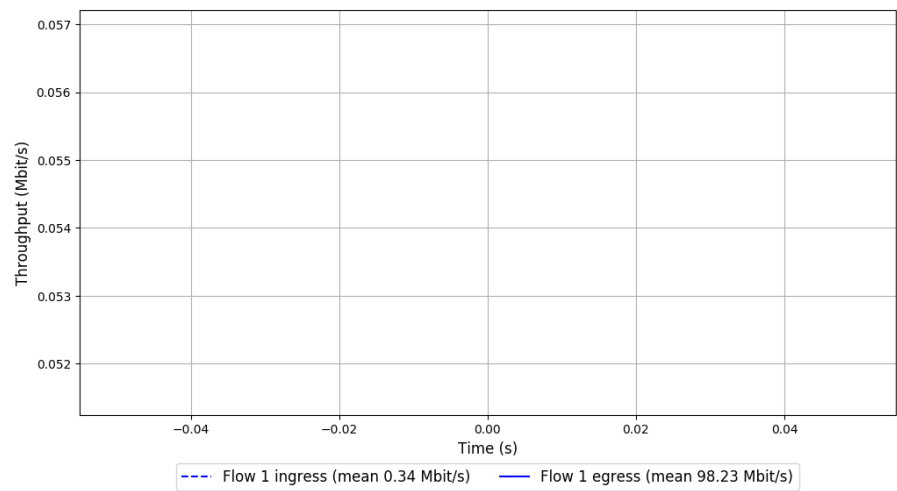
Start at: 2017-09-21 14:06:52

End at: 2017-09-21 14:07:22

Local clock offset: 1.279 ms

Remote clock offset: -1.285 ms

Run 6: Report of SReAM — Data Link

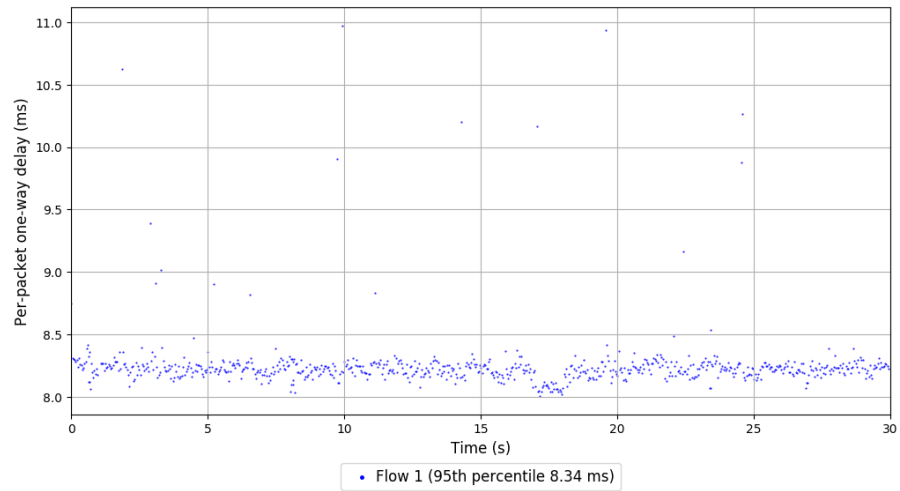
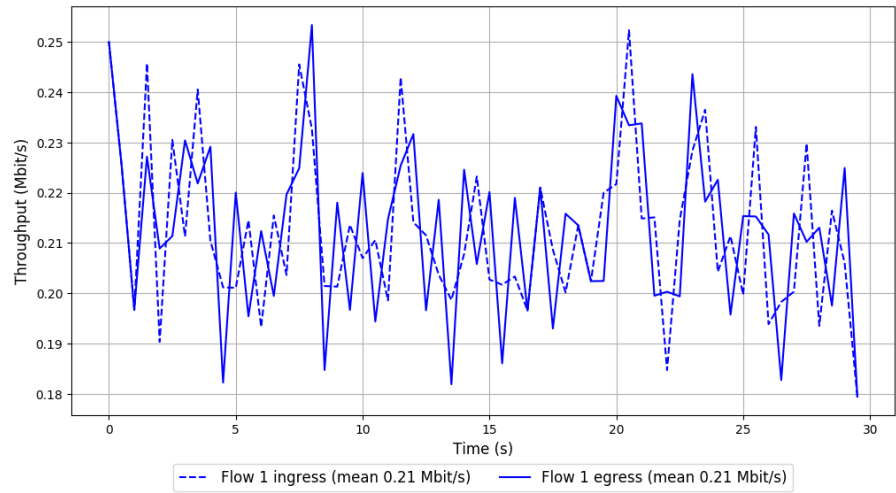


Run 7: Statistics of SCReAM

Start at: 2017-09-21 14:25:31
End at: 2017-09-21 14:26:01
Local clock offset: 2.012 ms
Remote clock offset: -1.547 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.338 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

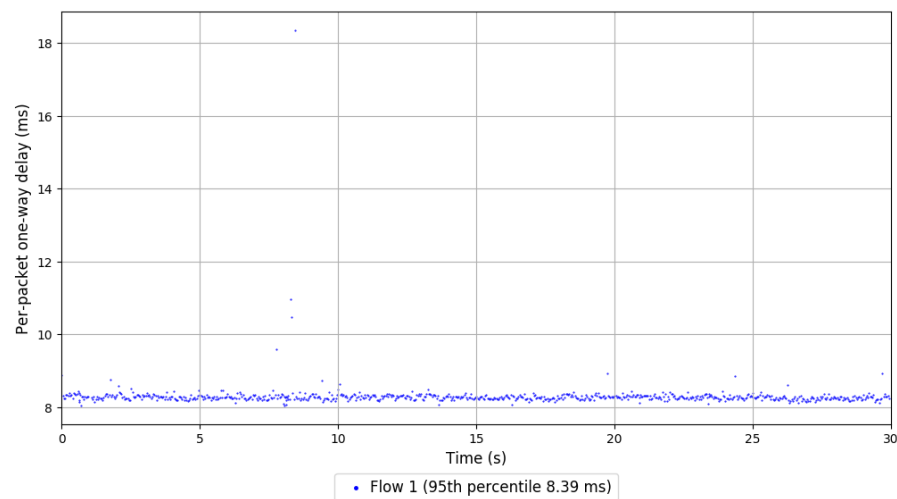
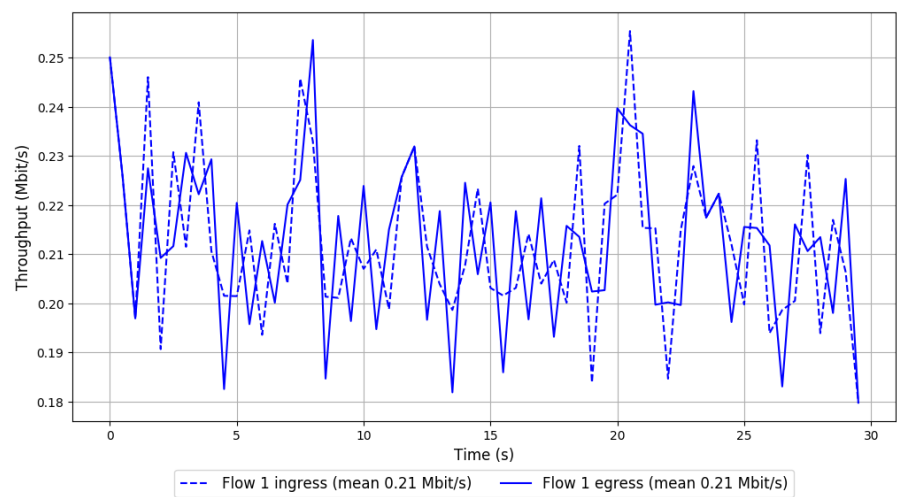


Run 8: Statistics of SCReAM

Start at: 2017-09-21 14:53:45
End at: 2017-09-21 14:54:15
Local clock offset: 1.014 ms
Remote clock offset: -1.625 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.392 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

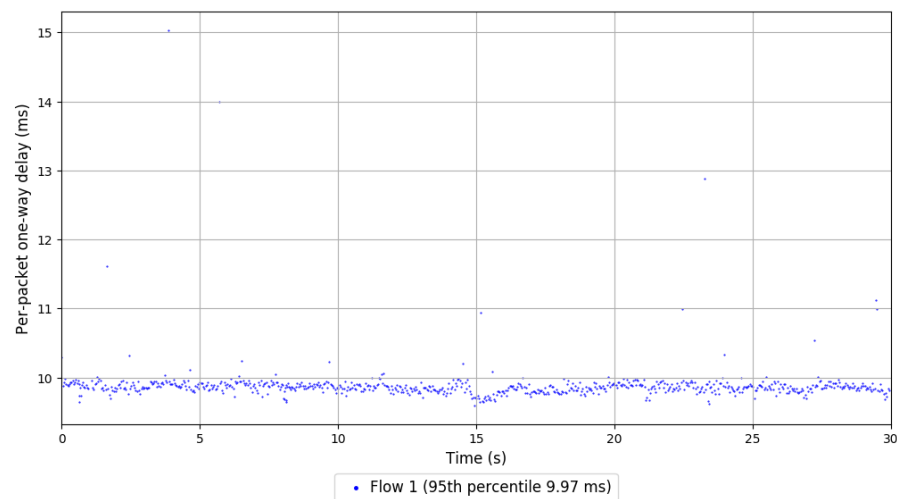
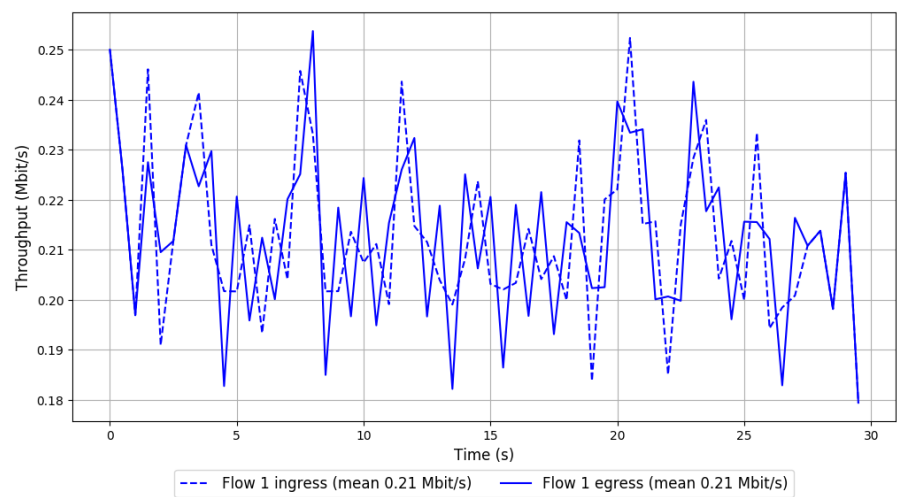


Run 9: Statistics of SReAM

Start at: 2017-09-21 15:25:07
End at: 2017-09-21 15:25:37
Local clock offset: -1.607 ms
Remote clock offset: -1.788 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.974 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

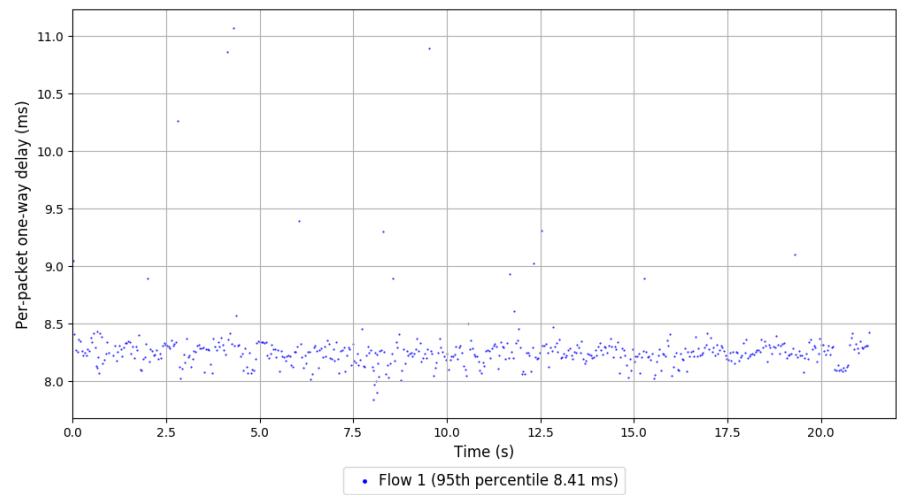
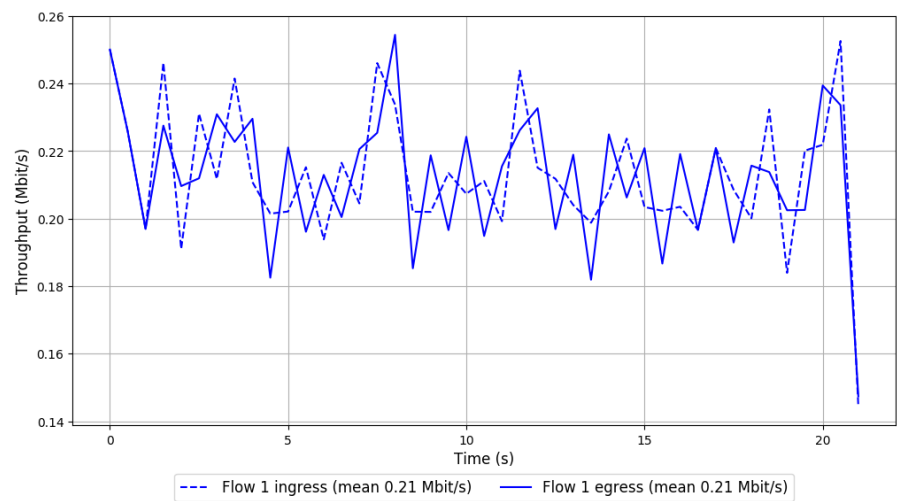
Start at: 2017-09-21 15:43:20

End at: 2017-09-21 15:43:50

Local clock offset: -0.4 ms

Remote clock offset: -1.819 ms

Run 10: Report of SReAM — Data Link

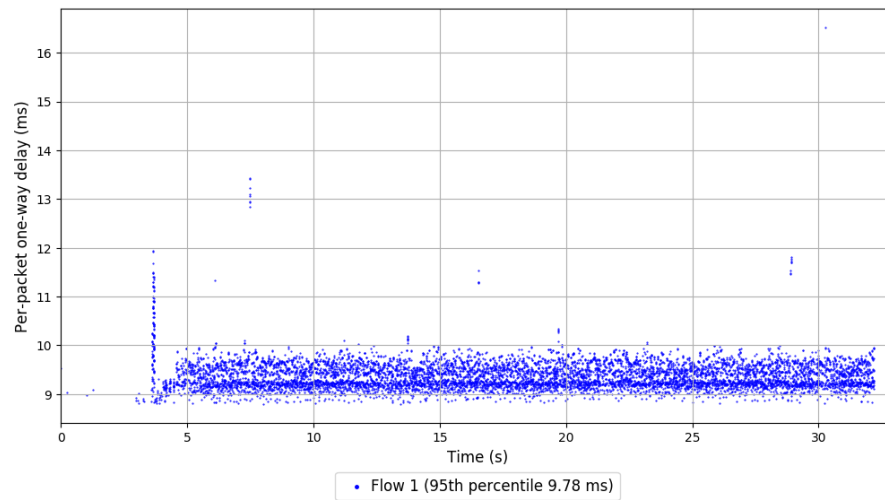
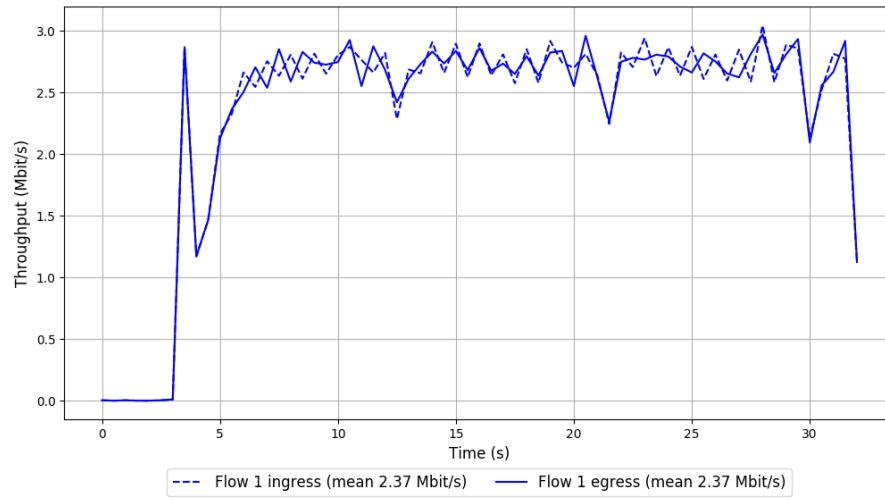


Run 1: Statistics of WebRTC media

Start at: 2017-09-21 12:45:49
End at: 2017-09-21 12:46:19
Local clock offset: 0.539 ms
Remote clock offset: -1.386 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 9.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 9.780 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

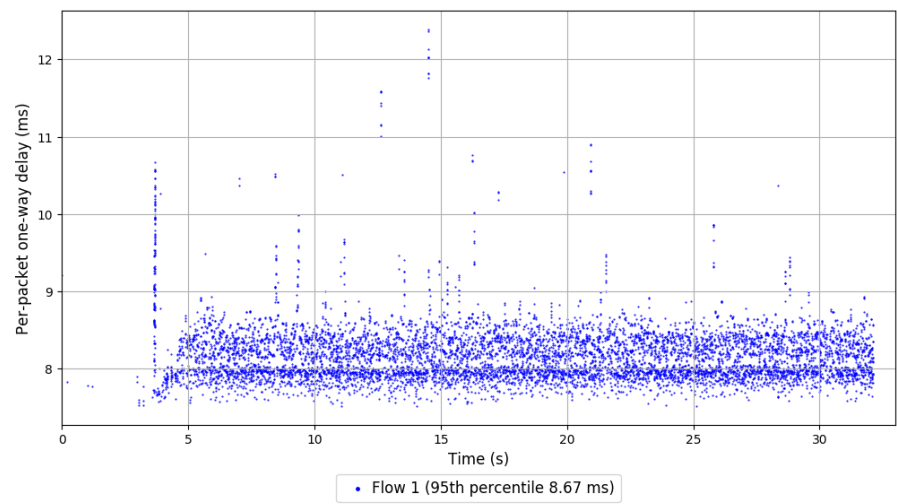
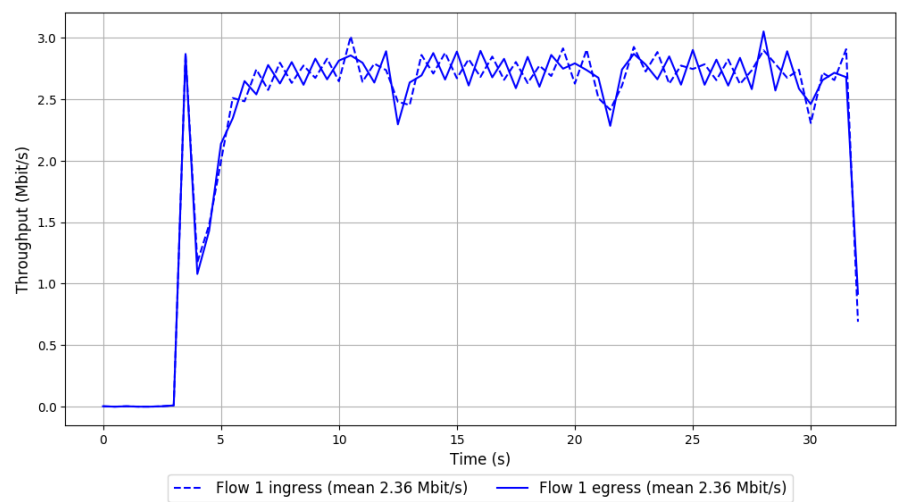


Run 2: Statistics of WebRTC media

Start at: 2017-09-21 13:03:17
End at: 2017-09-21 13:03:47
Local clock offset: 1.988 ms
Remote clock offset: -1.904 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 8.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 8.669 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

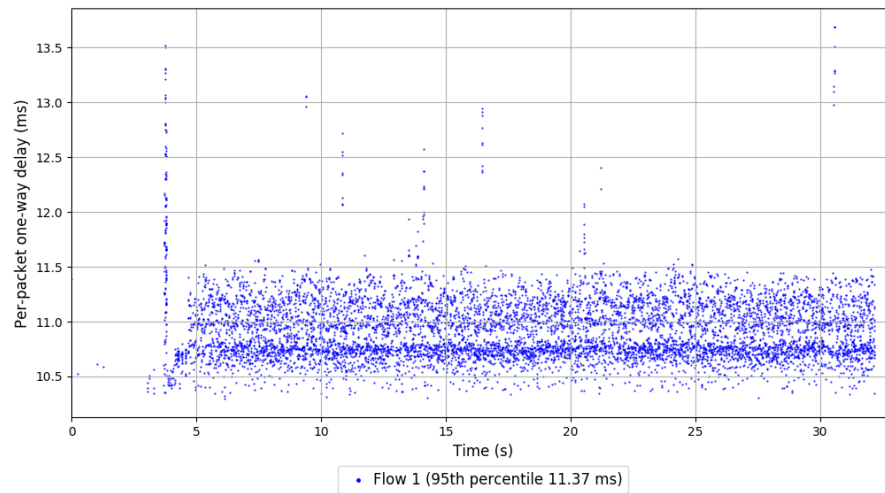
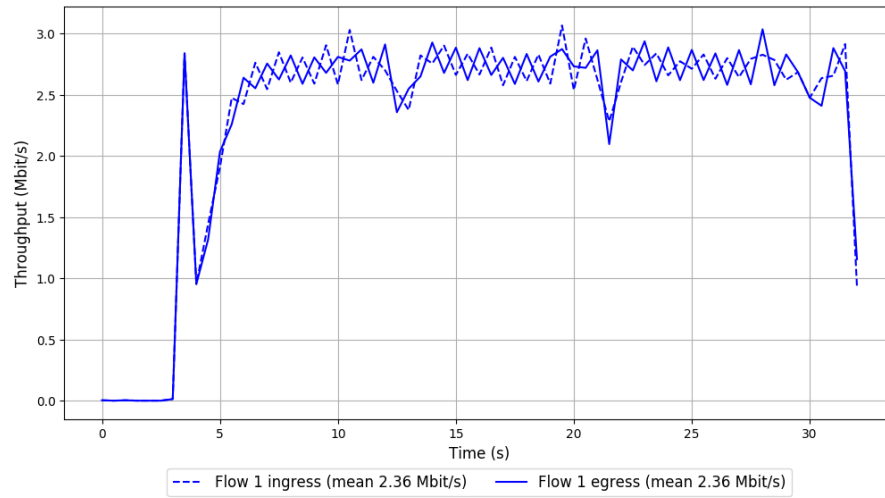


Run 3: Statistics of WebRTC media

Start at: 2017-09-21 13:22:55
End at: 2017-09-21 13:23:25
Local clock offset: -0.032 ms
Remote clock offset: -1.862 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 11.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 11.373 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

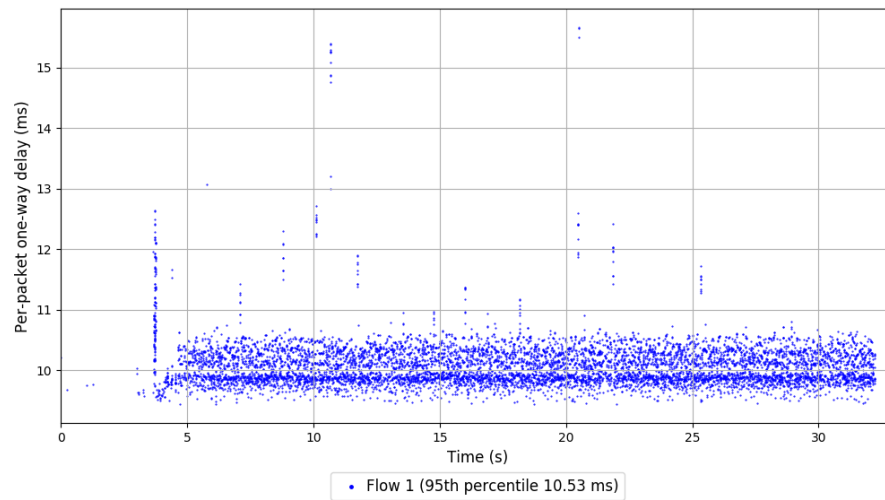
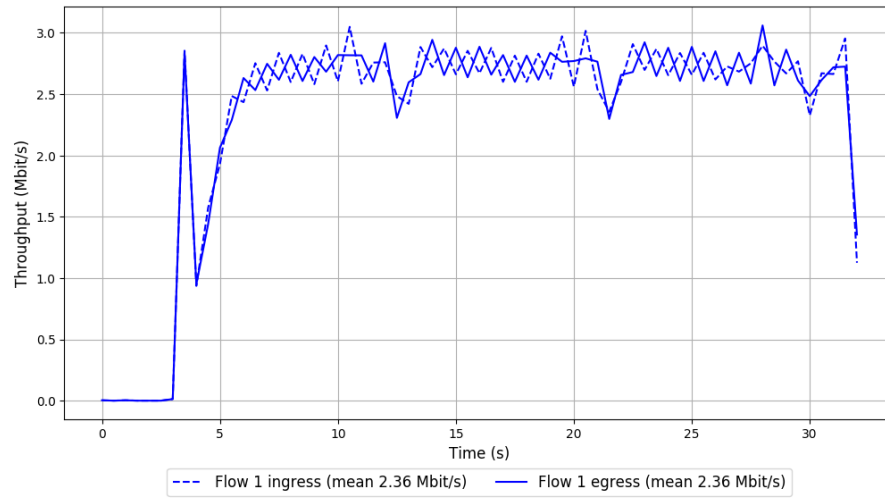


Run 4: Statistics of WebRTC media

Start at: 2017-09-21 13:43:45
End at: 2017-09-21 13:44:15
Local clock offset: 1.908 ms
Remote clock offset: -0.852 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 10.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 10.530 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

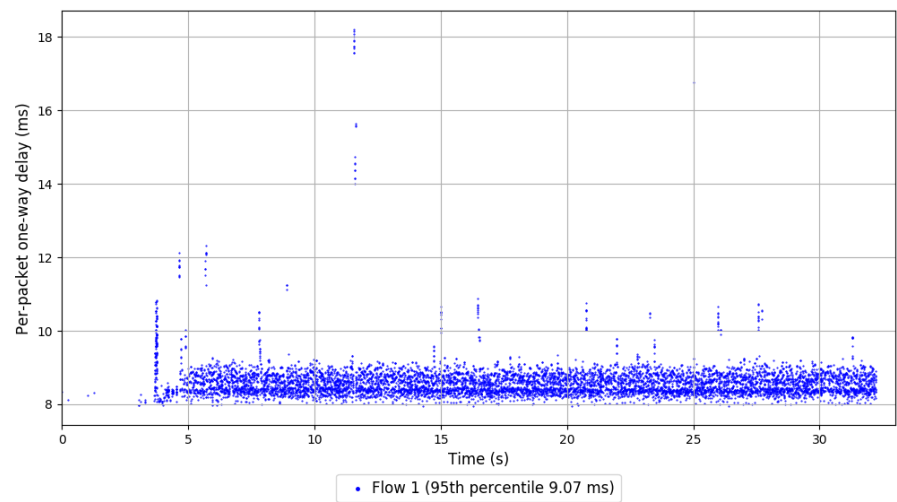
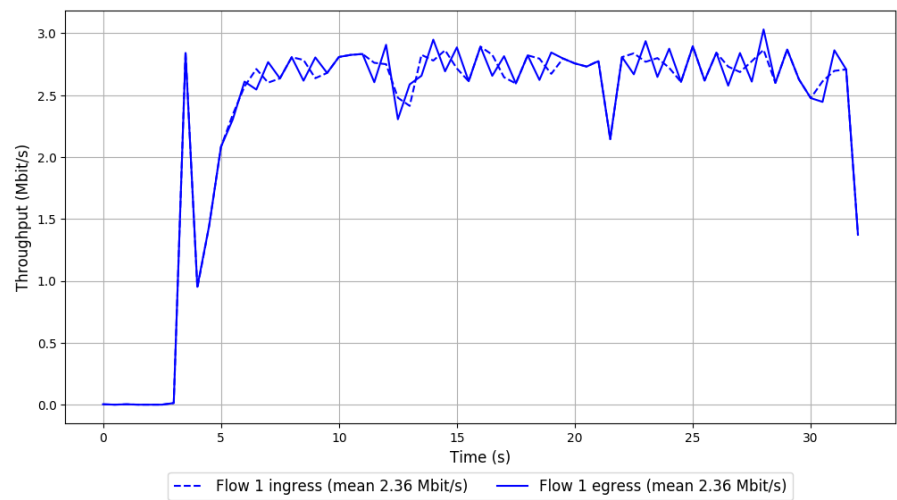


Run 5: Statistics of WebRTC media

Start at: 2017-09-21 14:02:52
End at: 2017-09-21 14:03:22
Local clock offset: 3.338 ms
Remote clock offset: -0.718 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 9.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 9.066 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-09-21 14:21:05

End at: 2017-09-21 14:21:35

Local clock offset: 2.542 ms

Remote clock offset: -2.12 ms

Below is generated by plot.py at 2017-09-21 16:29:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 7.994 ms

Loss rate: 0.00%

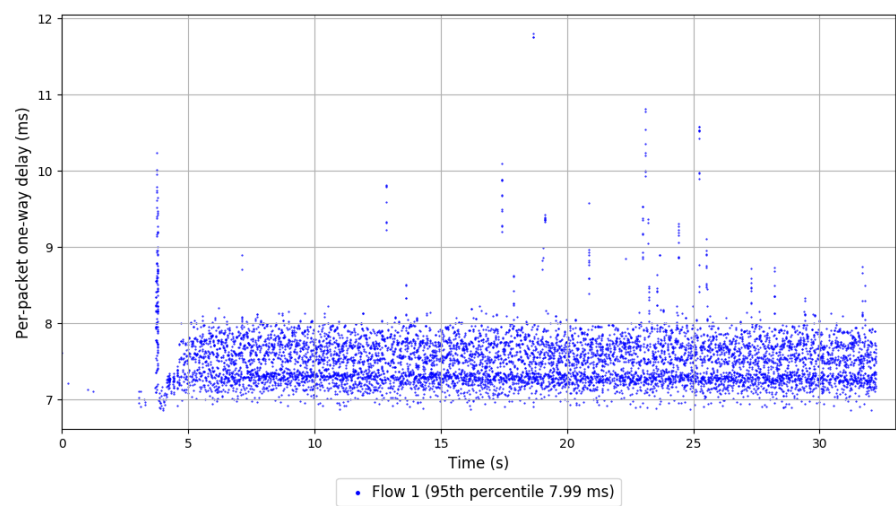
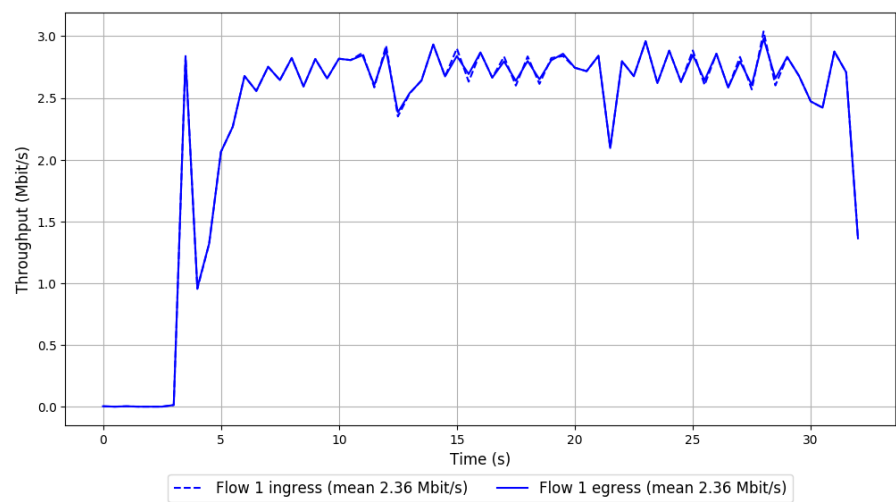
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 7.994 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

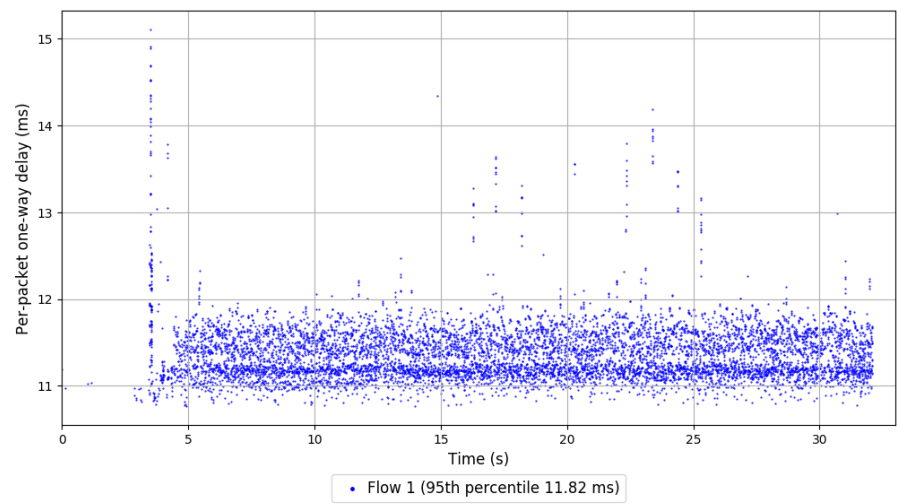
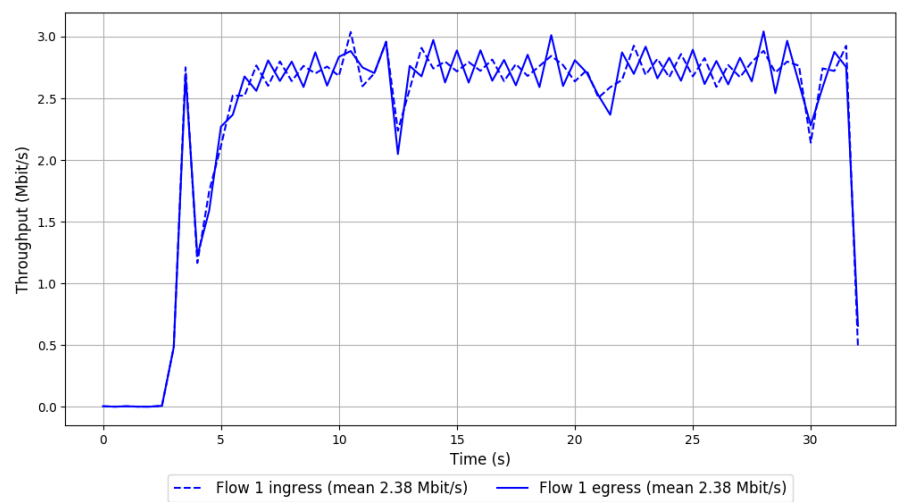


Run 7: Statistics of WebRTC media

Start at: 2017-09-21 14:45:46
End at: 2017-09-21 14:46:16
Local clock offset: -1.4 ms
Remote clock offset: -1.343 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 11.825 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 11.825 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

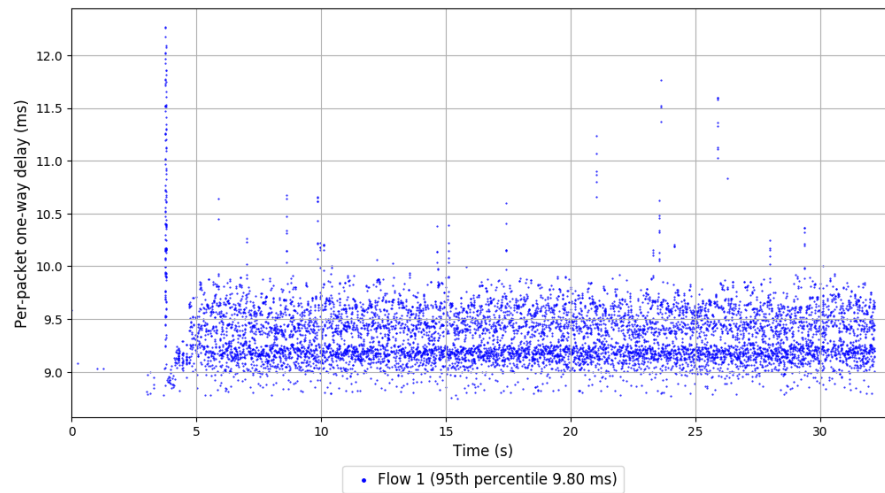
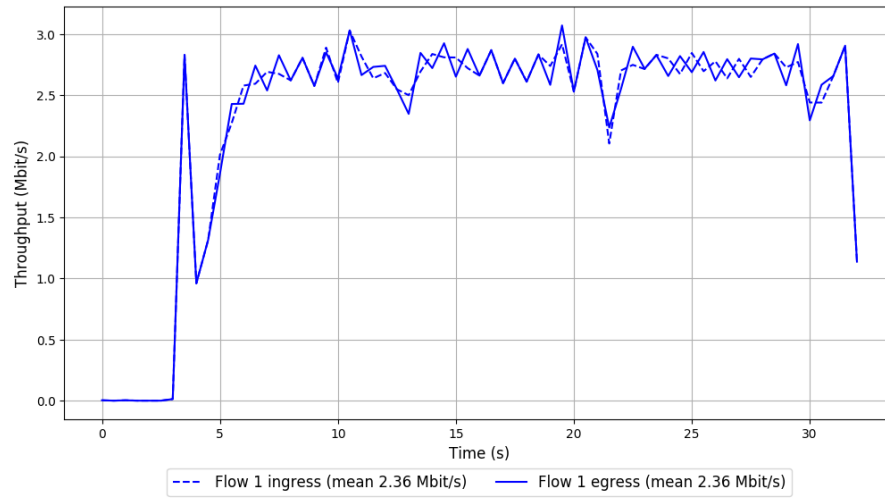


Run 8: Statistics of WebRTC media

Start at: 2017-09-21 15:19:39
End at: 2017-09-21 15:20:09
Local clock offset: 0.287 ms
Remote clock offset: -0.734 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 9.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 9.799 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

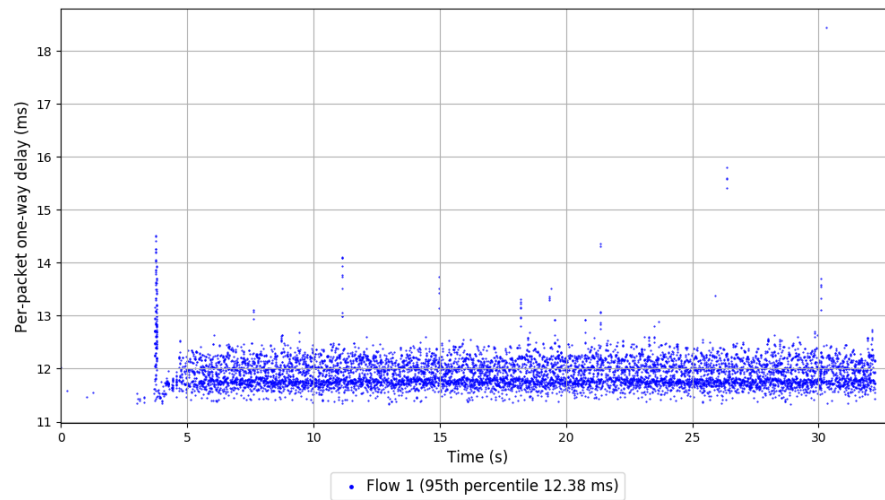
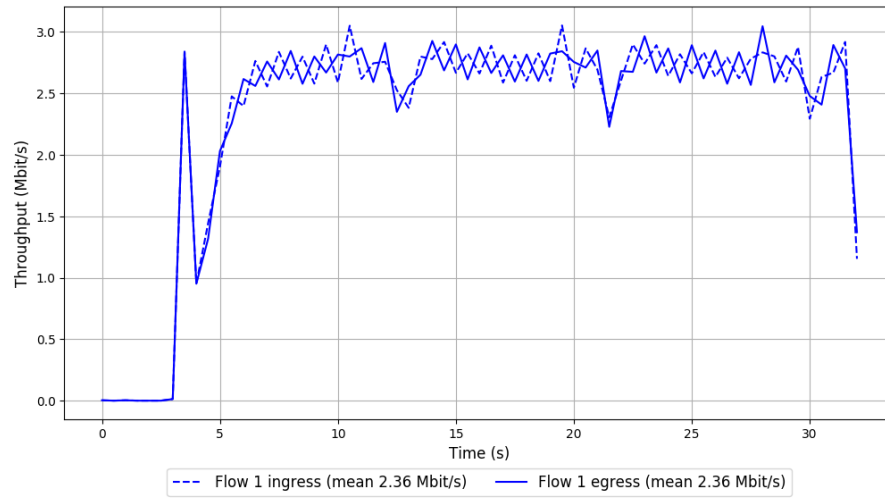


Run 9: Statistics of WebRTC media

Start at: 2017-09-21 15:39:23
End at: 2017-09-21 15:39:53
Local clock offset: -2.903 ms
Remote clock offset: -0.857 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 12.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 12.379 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

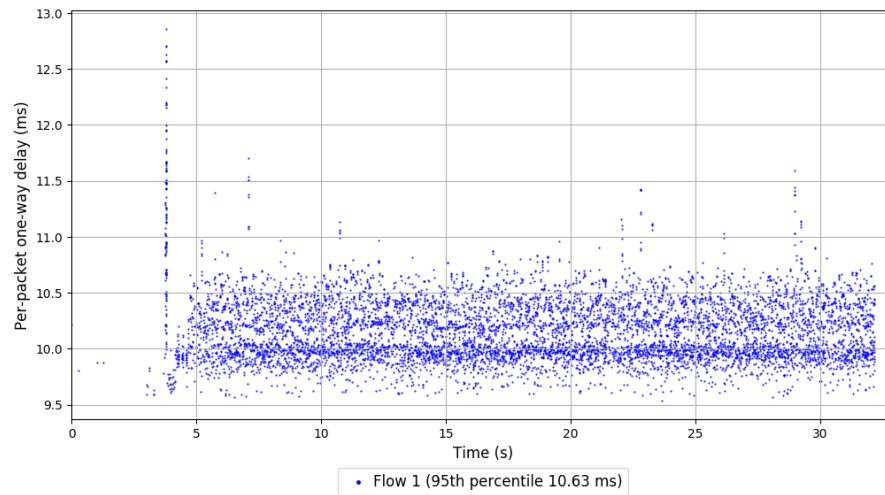
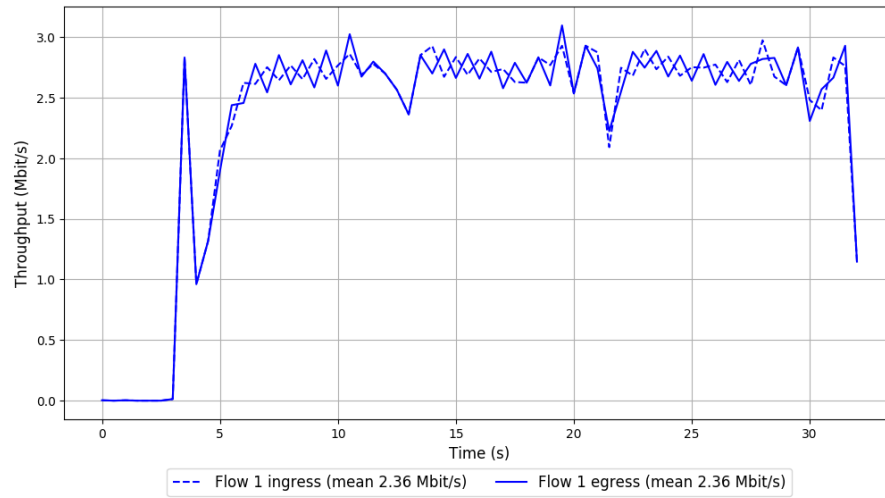


Run 10: Statistics of WebRTC media

Start at: 2017-09-21 15:58:00
End at: 2017-09-21 15:58:30
Local clock offset: -2.092 ms
Remote clock offset: -1.524 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 10.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 10.628 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

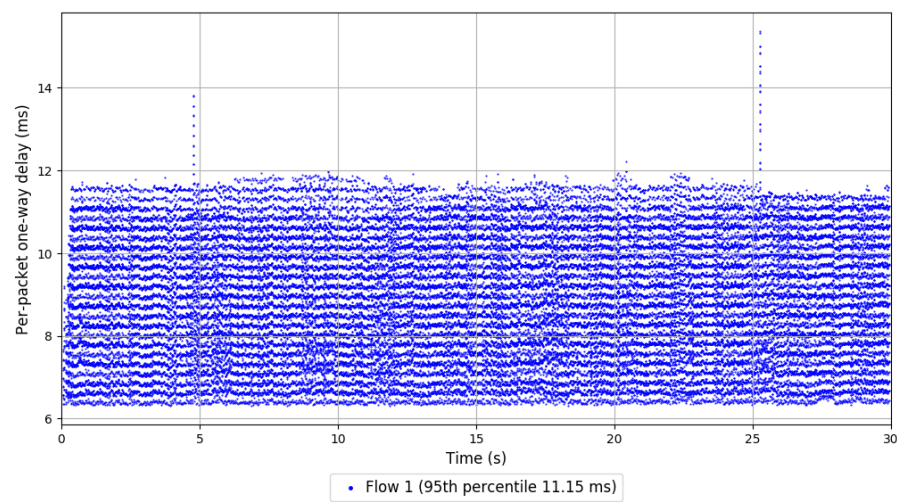
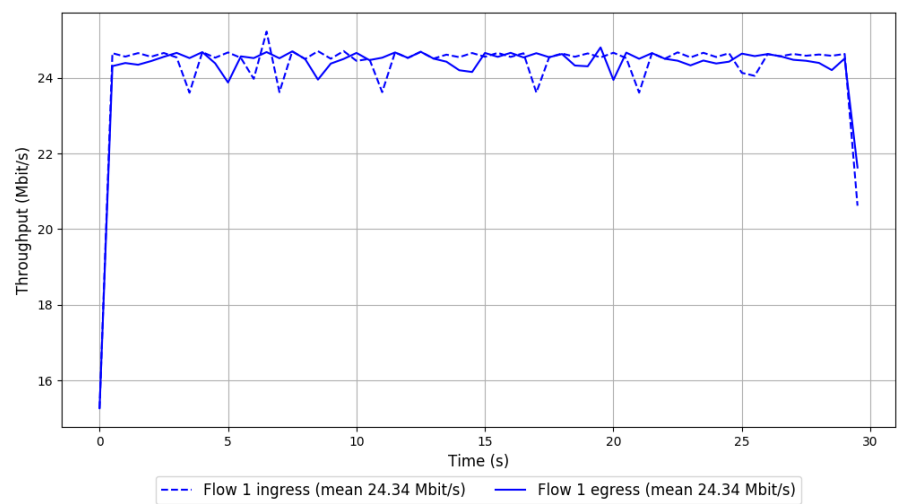


Run 1: Statistics of Sprout

Start at: 2017-09-21 12:43:28
End at: 2017-09-21 12:43:58
Local clock offset: 2.219 ms
Remote clock offset: -2.238 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 11.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 11.146 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

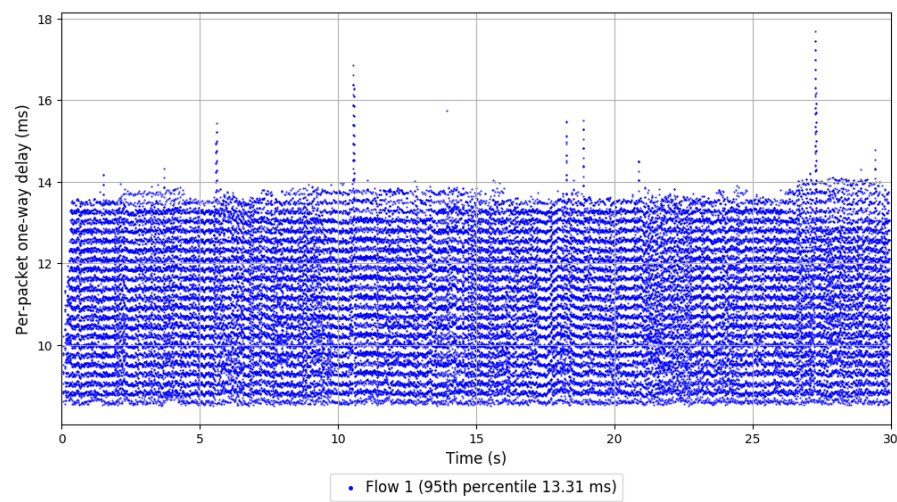
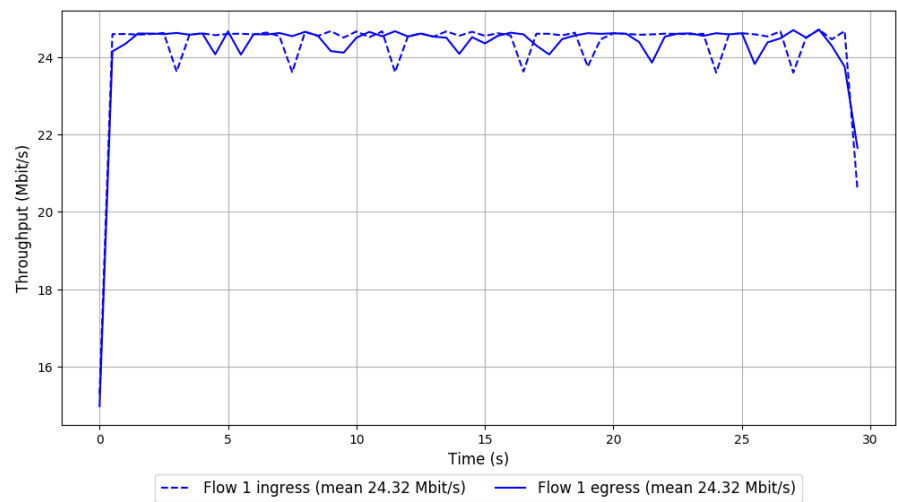


Run 2: Statistics of Sprout

Start at: 2017-09-21 13:00:36
End at: 2017-09-21 13:01:06
Local clock offset: 0.991 ms
Remote clock offset: -2.076 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 13.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 13.309 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

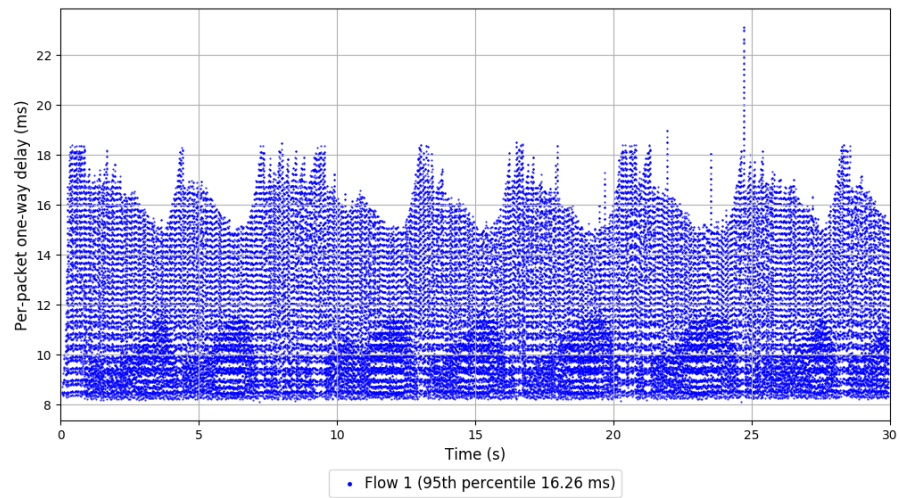
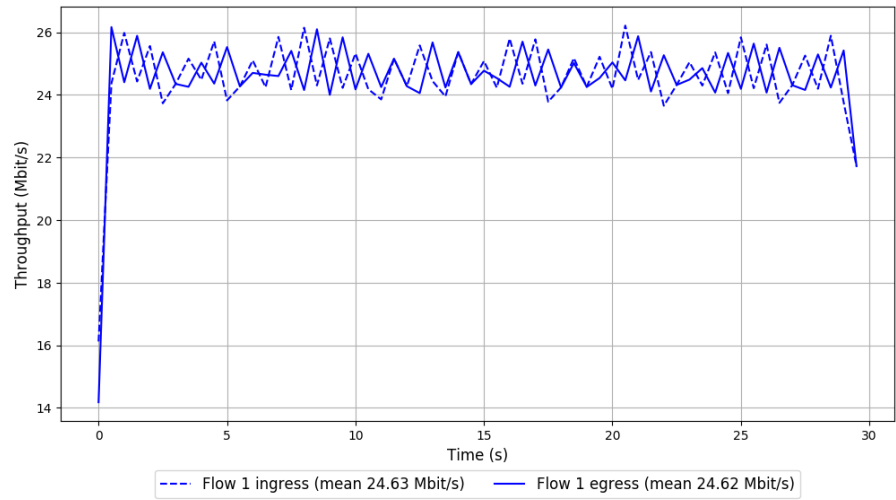


Run 3: Statistics of Sprout

Start at: 2017-09-21 13:20:28
End at: 2017-09-21 13:20:58
Local clock offset: 2.651 ms
Remote clock offset: -1.335 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 16.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 16.264 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

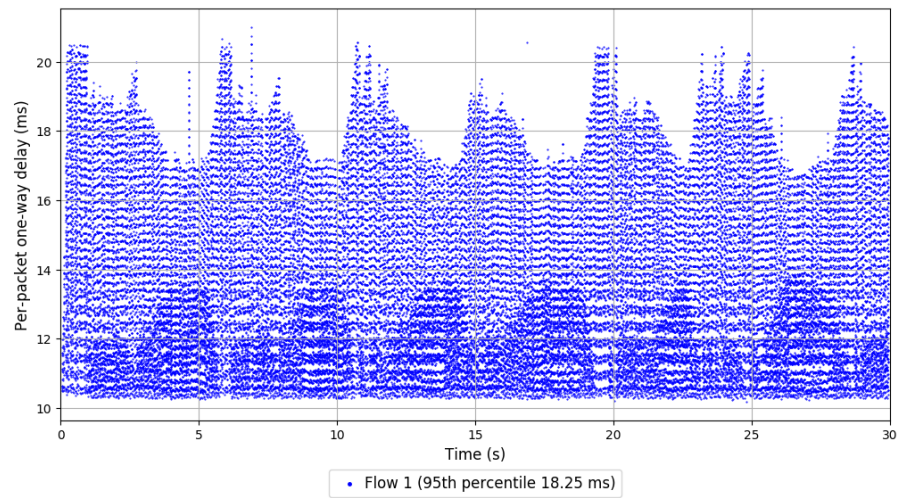
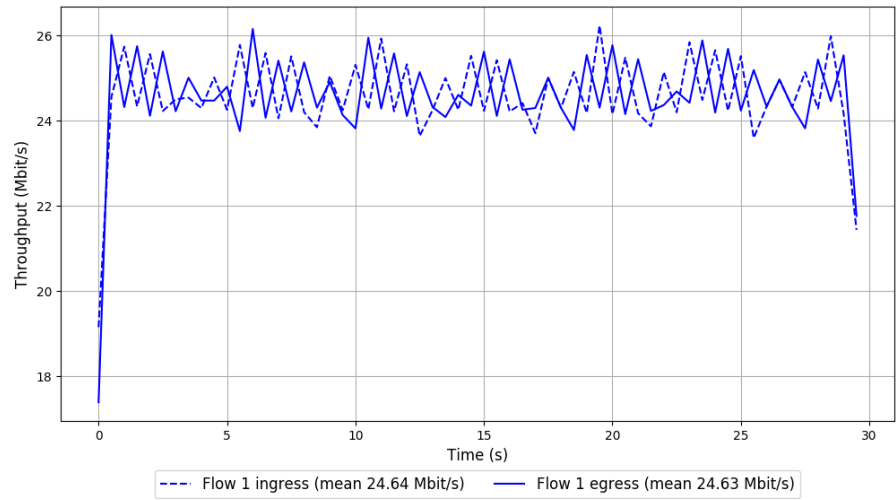


Run 4: Statistics of Sprout

Start at: 2017-09-21 13:40:45
End at: 2017-09-21 13:41:15
Local clock offset: 0.619 ms
Remote clock offset: -1.576 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 18.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 18.246 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

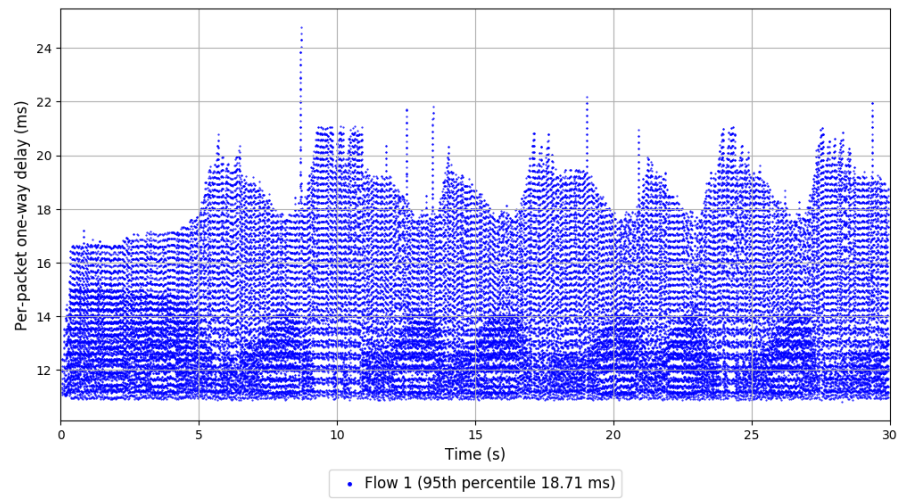
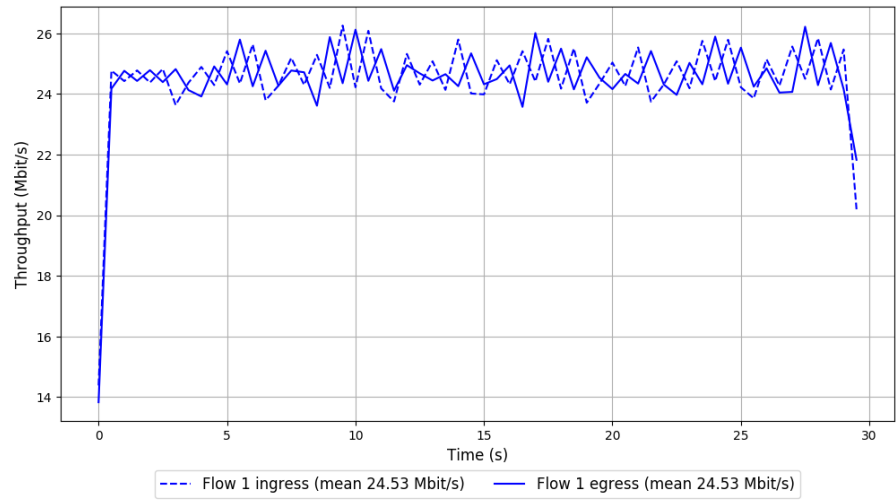


Run 5: Statistics of Sprout

Start at: 2017-09-21 14:00:25
End at: 2017-09-21 14:00:55
Local clock offset: 0.539 ms
Remote clock offset: -0.833 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 18.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 18.706 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

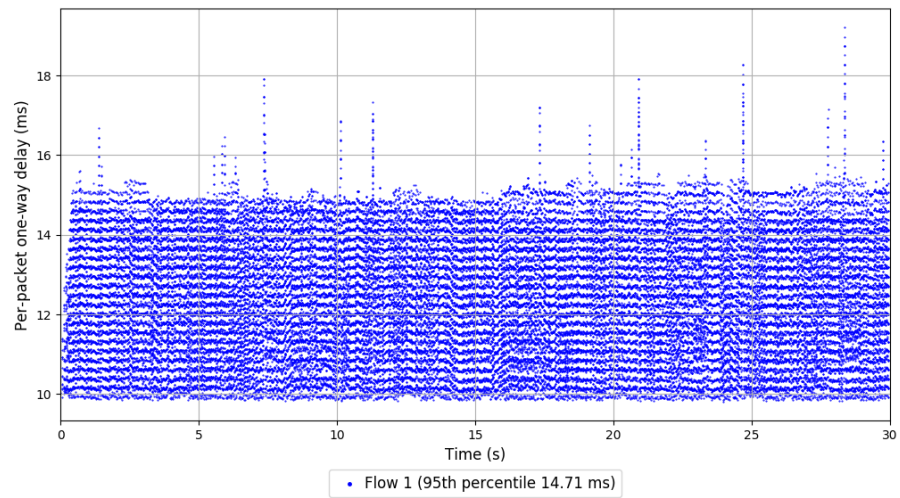
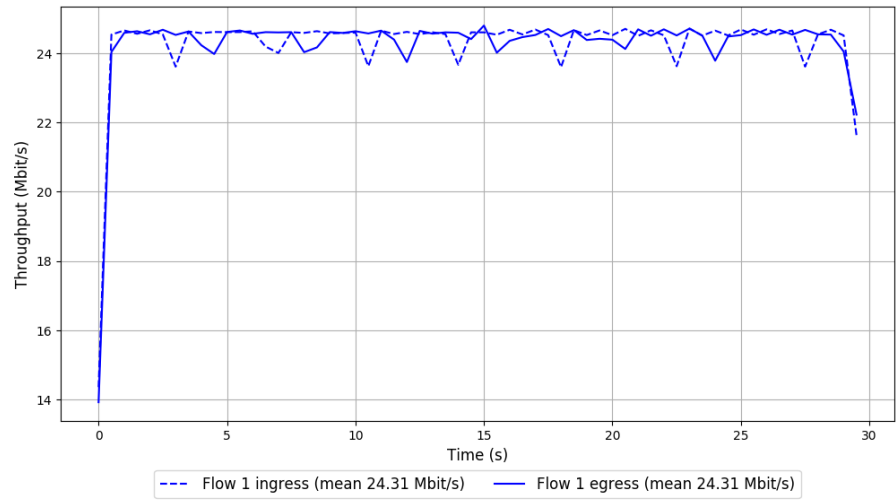


Run 6: Statistics of Sprout

Start at: 2017-09-21 14:18:32
End at: 2017-09-21 14:19:02
Local clock offset: 0.49 ms
Remote clock offset: -1.502 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 14.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 14.706 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

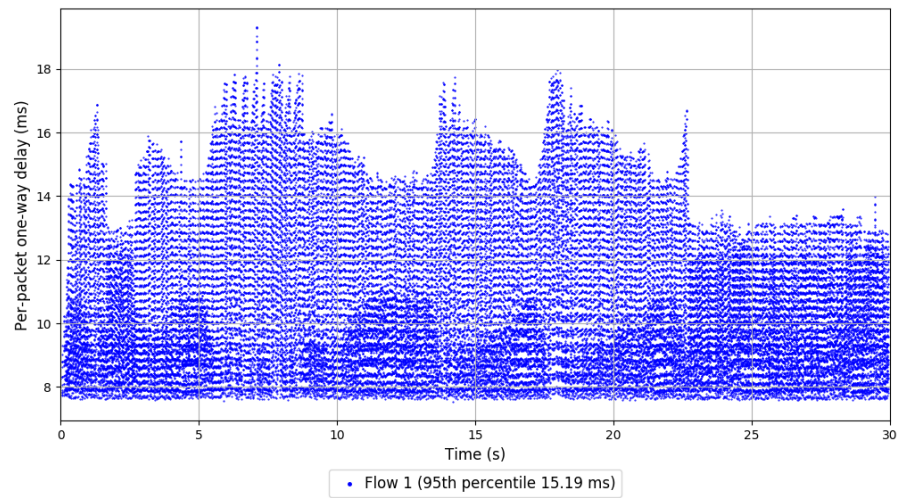
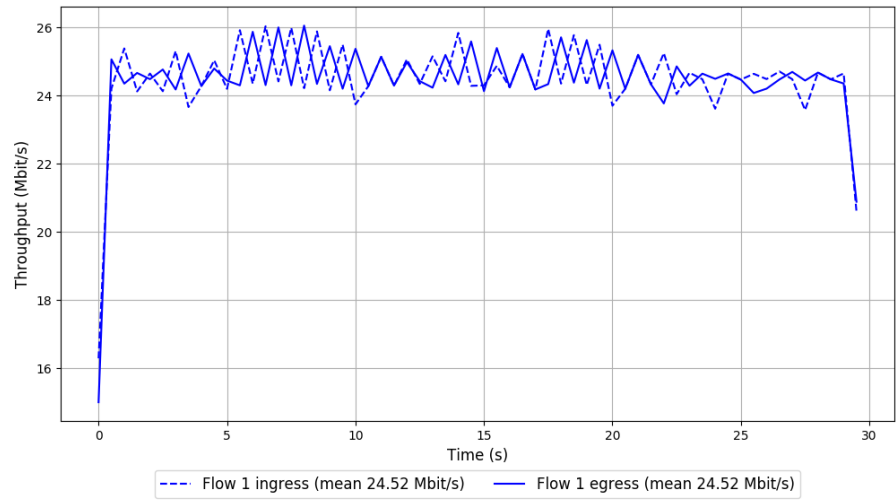


Run 7: Statistics of Sprout

Start at: 2017-09-21 14:39:35
End at: 2017-09-21 14:40:05
Local clock offset: 1.291 ms
Remote clock offset: -2.265 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 15.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 15.186 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

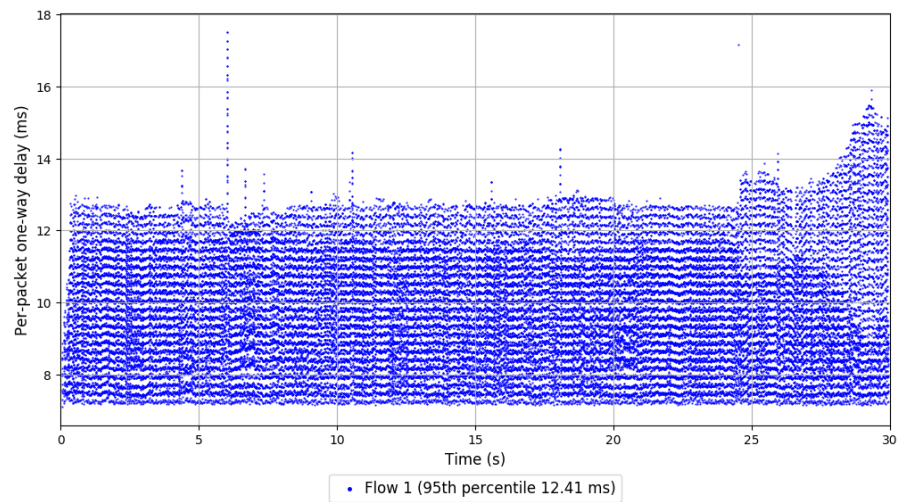
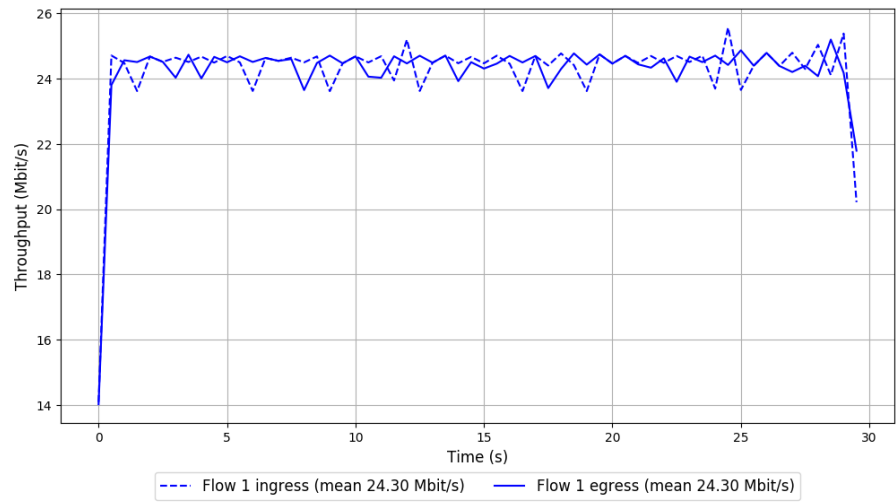


Run 8: Statistics of Sprout

Start at: 2017-09-21 15:15:13
End at: 2017-09-21 15:15:43
Local clock offset: 0.815 ms
Remote clock offset: -2.098 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 12.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 12.414 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-21 15:36:47

End at: 2017-09-21 15:37:17

Local clock offset: 0.339 ms

Remote clock offset: -1.68 ms

Below is generated by plot.py at 2017-09-21 16:29:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.67 Mbit/s

95th percentile per-packet one-way delay: 15.803 ms

Loss rate: 0.00%

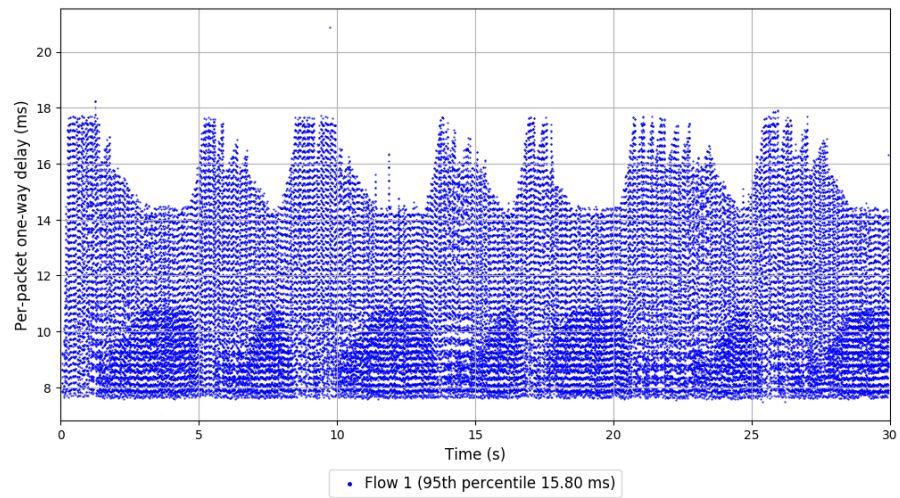
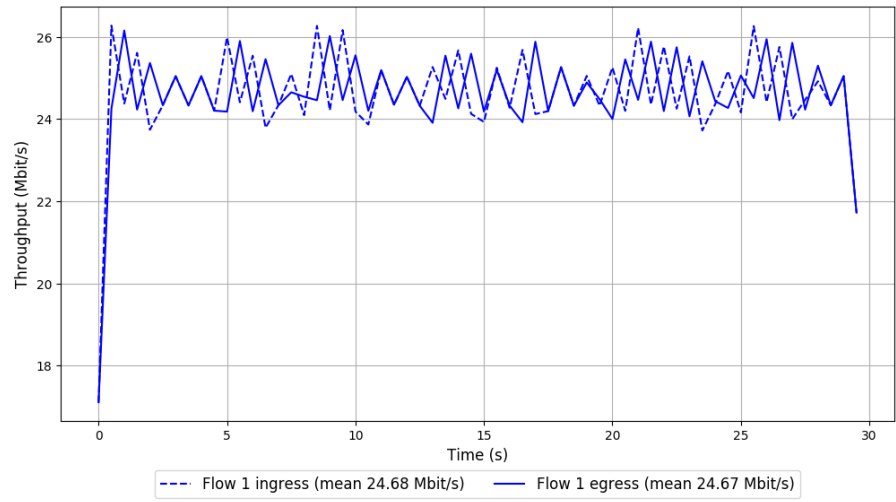
-- Flow 1:

Average throughput: 24.67 Mbit/s

95th percentile per-packet one-way delay: 15.803 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

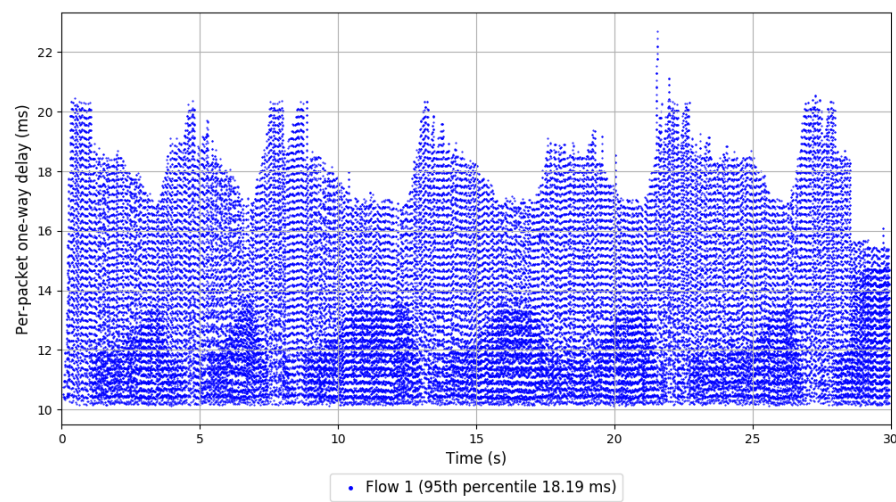
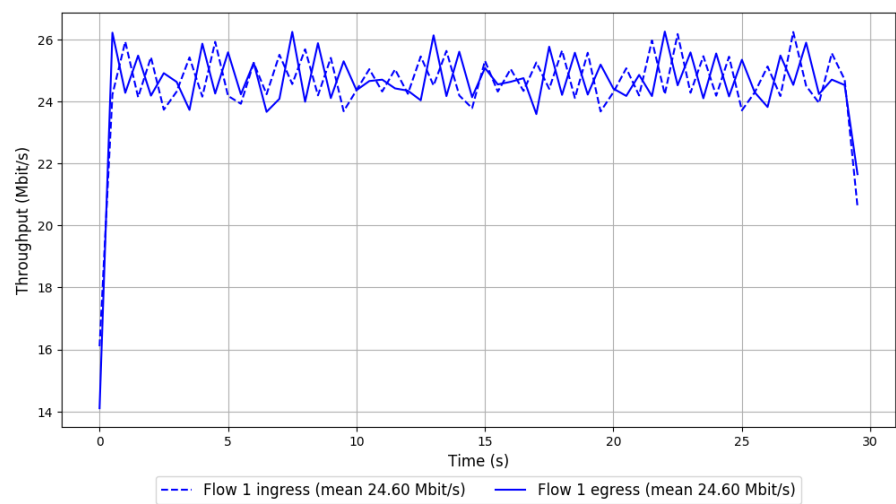


Run 10: Statistics of Sprout

Start at: 2017-09-21 15:55:23
End at: 2017-09-21 15:55:53
Local clock offset: -2.433 ms
Remote clock offset: -1.558 ms

Below is generated by plot.py at 2017-09-21 16:29:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 18.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 18.190 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-09-21 12:23:05

End at: 2017-09-21 12:23:35

Local clock offset: -1.49 ms

Remote clock offset: -3.038 ms

Below is generated by plot.py at 2017-09-21 16:31:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 11.749 ms

Loss rate: 0.00%

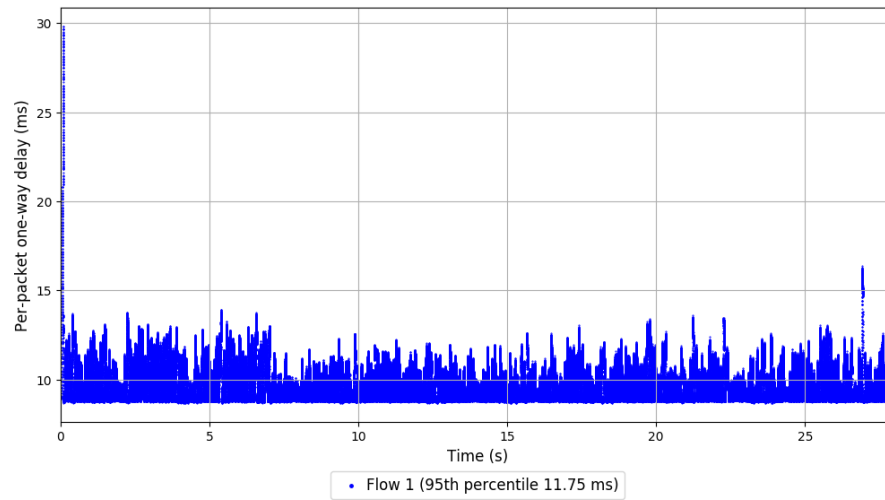
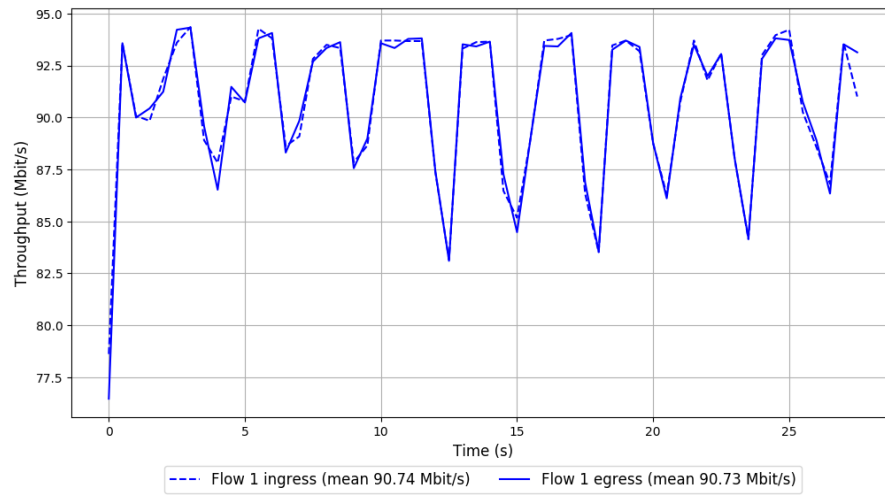
-- Flow 1:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 11.749 ms

Loss rate: 0.00%

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

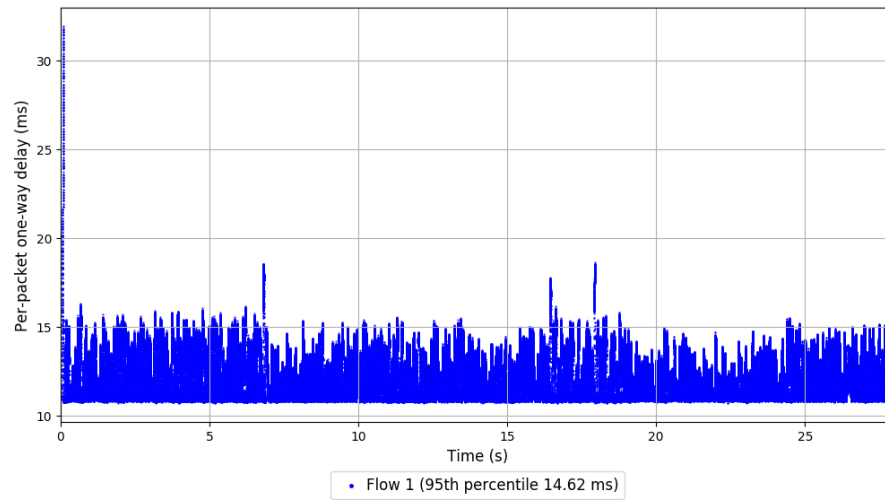
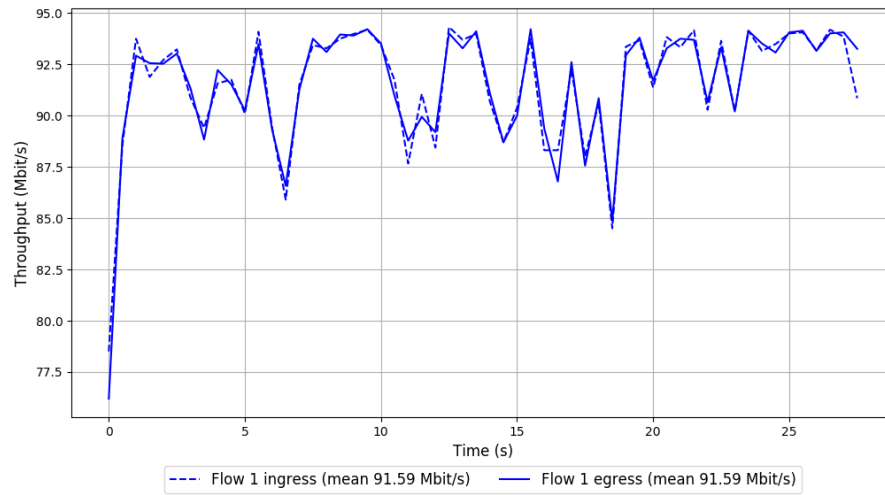


Run 2: Statistics of TaoVA-100x

Start at: 2017-09-21 12:48:06
End at: 2017-09-21 12:48:36
Local clock offset: -1.366 ms
Remote clock offset: -1.645 ms

Below is generated by plot.py at 2017-09-21 16:31:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 14.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 14.616 ms
Loss rate: 0.00%

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

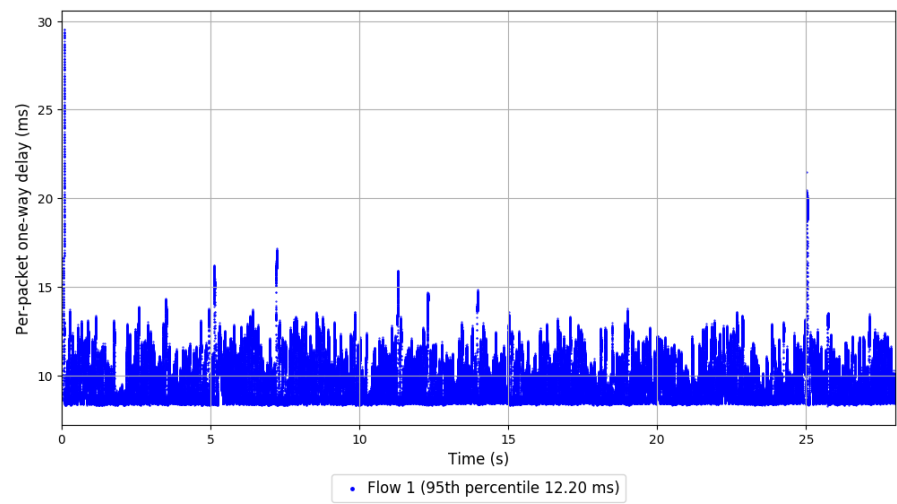
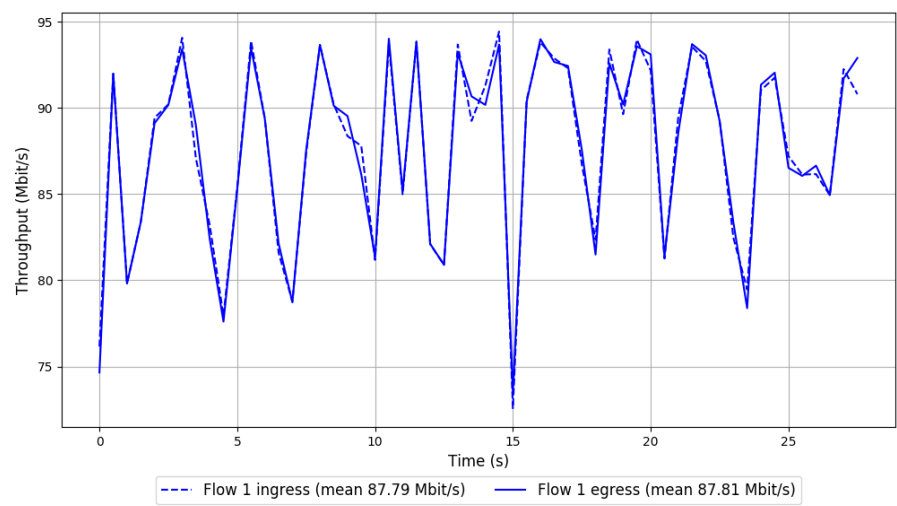


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-21 13:06:01
End at: 2017-09-21 13:06:31
Local clock offset: 1.787 ms
Remote clock offset: -1.631 ms

Below is generated by plot.py at 2017-09-21 16:31:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 12.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 12.200 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-21 13:25:38

End at: 2017-09-21 13:26:08

Local clock offset: 2.726 ms

Remote clock offset: -0.991 ms

Below is generated by plot.py at 2017-09-21 16:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.66 Mbit/s

95th percentile per-packet one-way delay: 11.785 ms

Loss rate: 0.02%

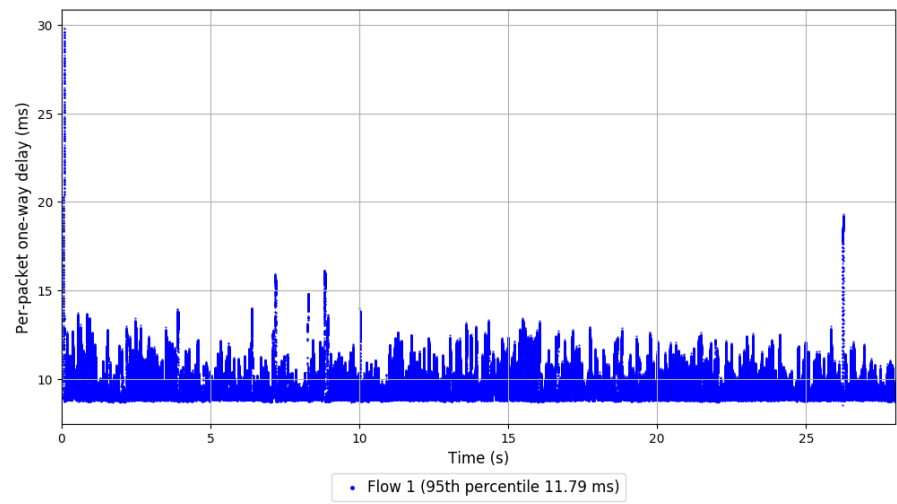
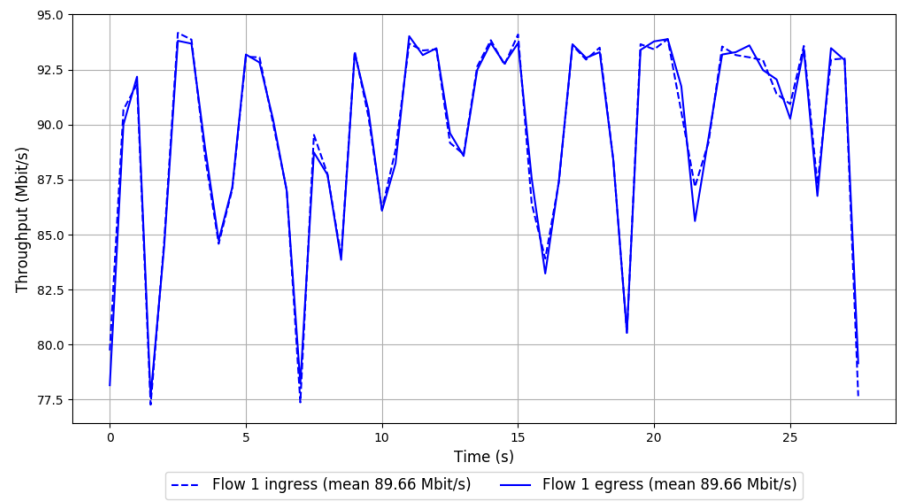
-- Flow 1:

Average throughput: 89.66 Mbit/s

95th percentile per-packet one-way delay: 11.785 ms

Loss rate: 0.02%

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

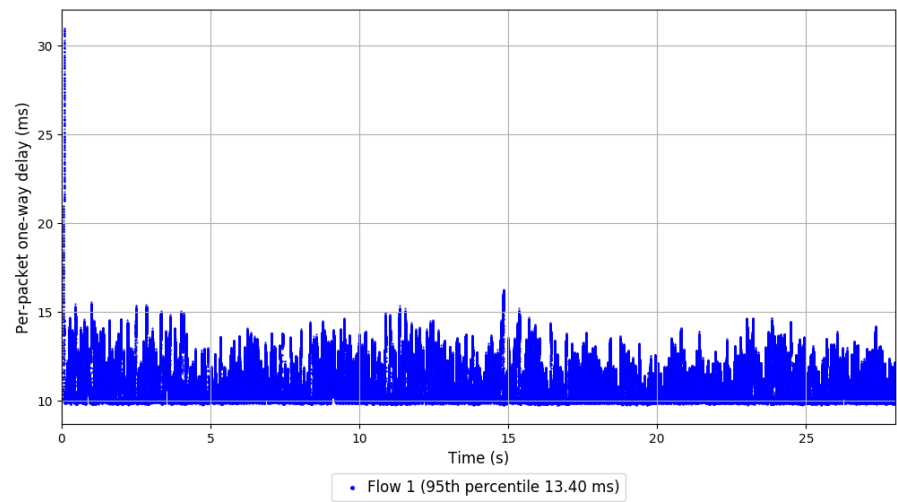
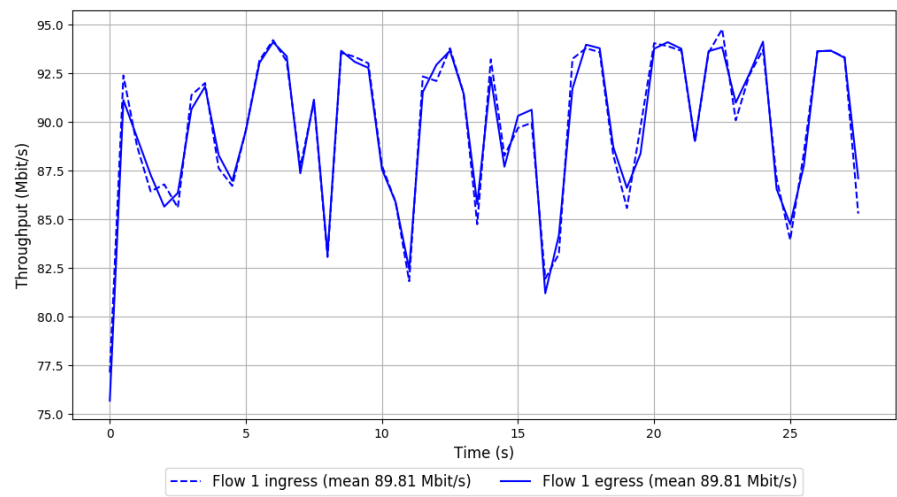


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-21 13:46:21
End at: 2017-09-21 13:46:51
Local clock offset: 0.363 ms
Remote clock offset: -2.248 ms

Below is generated by plot.py at 2017-09-21 16:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 13.401 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 13.401 ms
Loss rate: 0.00%

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

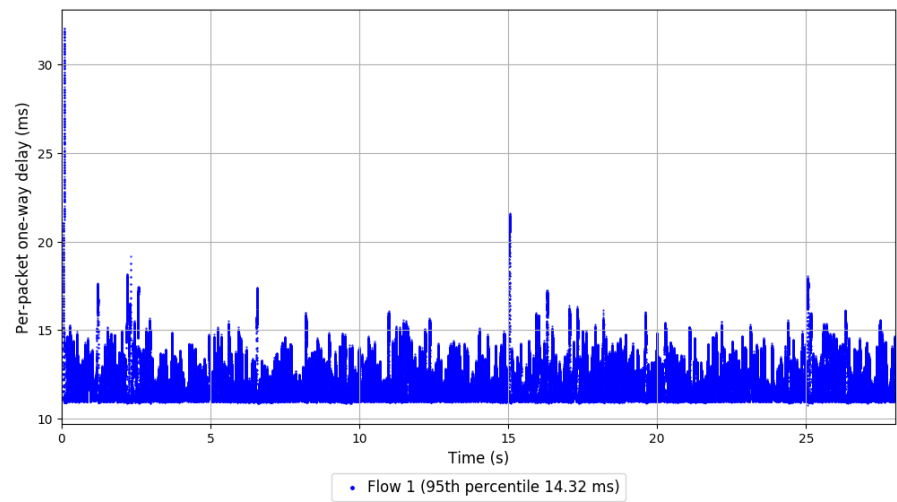
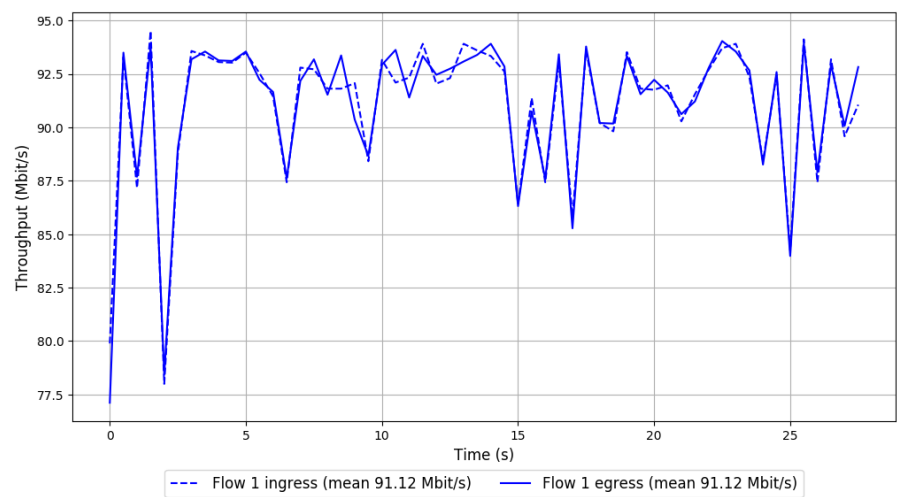


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-21 14:05:11
End at: 2017-09-21 14:05:41
Local clock offset: -0.059 ms
Remote clock offset: -1.416 ms

Below is generated by plot.py at 2017-09-21 16:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 14.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 14.321 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-09-21 14:23:38

End at: 2017-09-21 14:24:09

Local clock offset: -0.425 ms

Remote clock offset: -1.81 ms

Below is generated by plot.py at 2017-09-21 16:31:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 13.506 ms

Loss rate: 0.00%

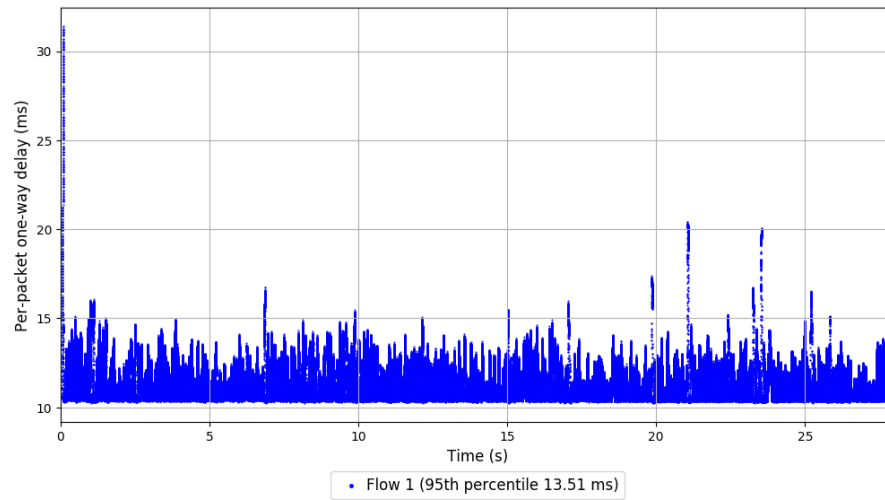
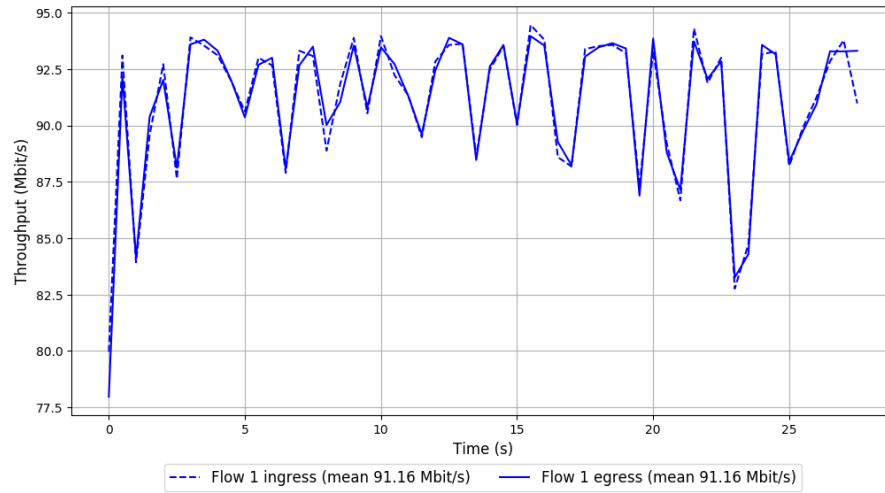
-- Flow 1:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 13.506 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

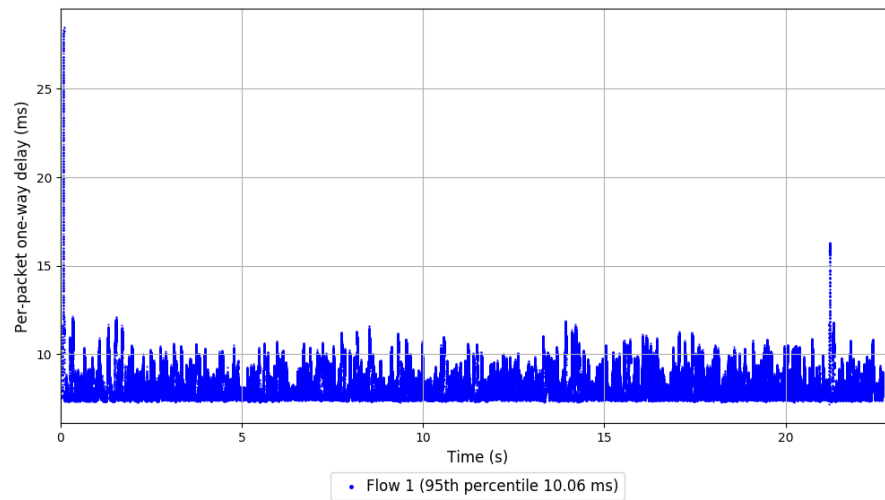
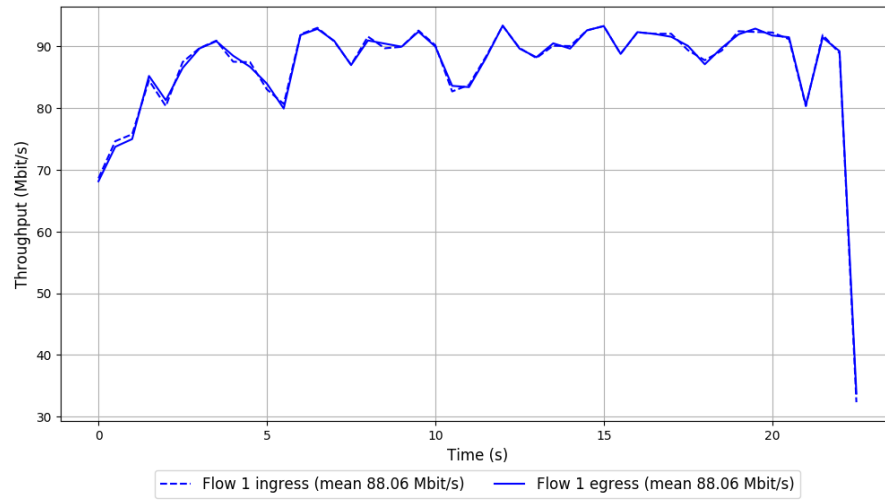
Start at: 2017-09-21 14:49:52

End at: 2017-09-21 14:50:22

Local clock offset: 1.13 ms

Remote clock offset: -2.371 ms

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-09-21 15:23:17

End at: 2017-09-21 15:23:47

Local clock offset: -2.16 ms

Remote clock offset: -1.401 ms

Below is generated by plot.py at 2017-09-21 16:33:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 13.888 ms

Loss rate: 0.00%

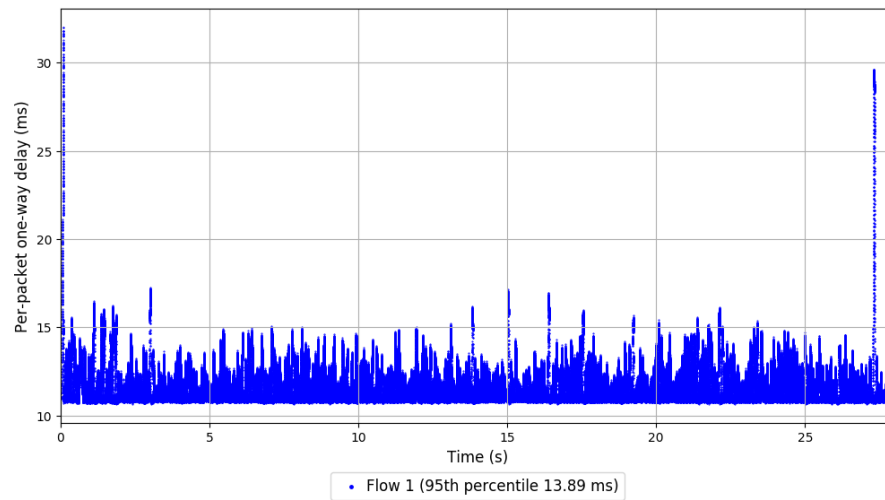
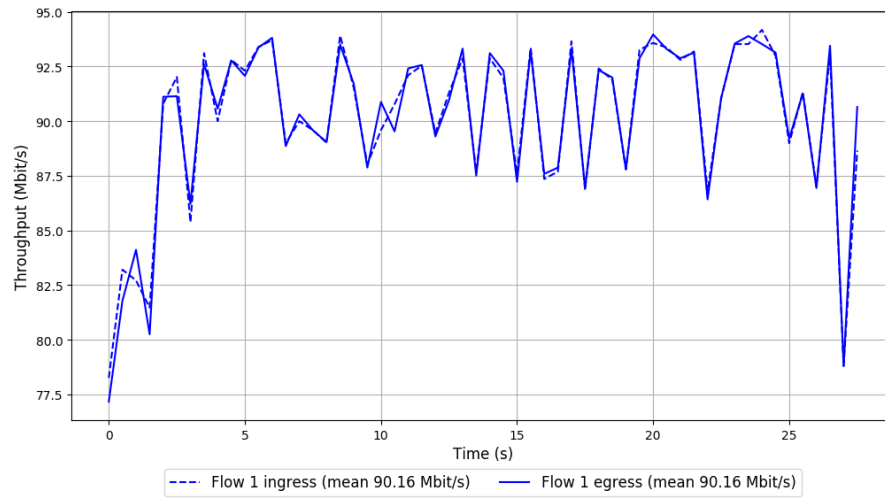
-- Flow 1:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 13.888 ms

Loss rate: 0.00%

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

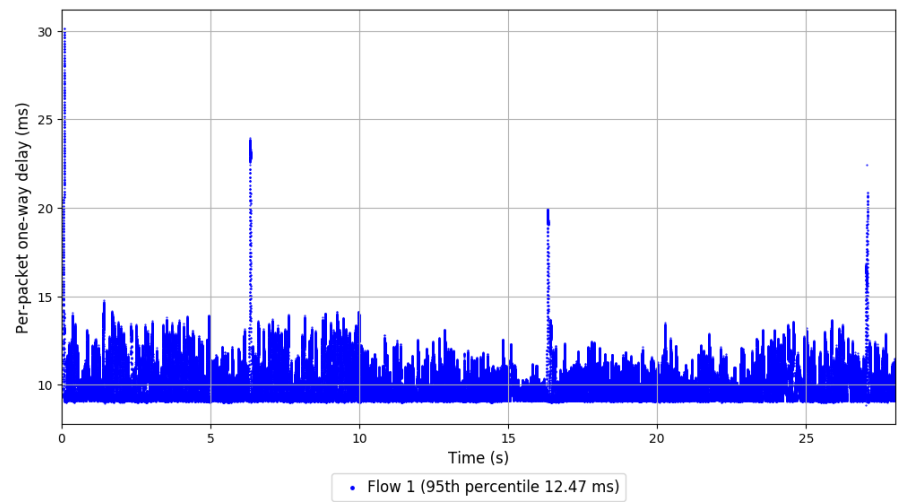
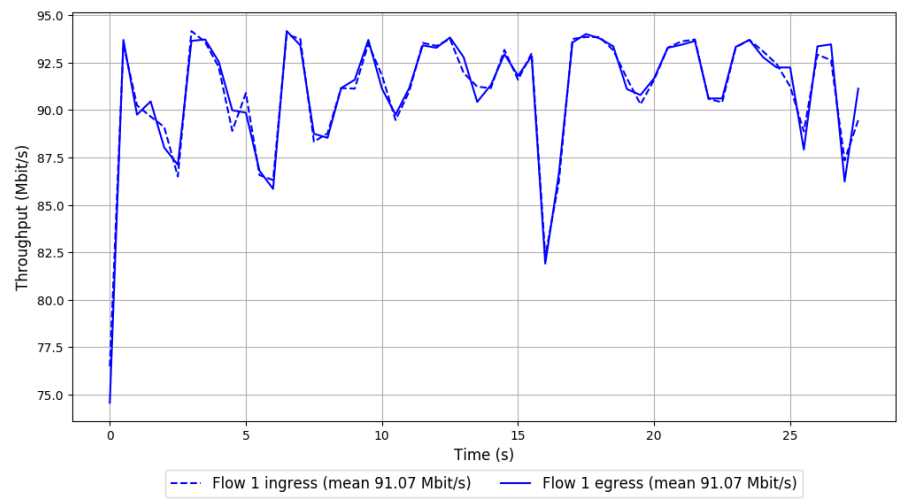


Run 10: Statistics of TaoVA-100x

Start at: 2017-09-21 15:41:49
End at: 2017-09-21 15:42:19
Local clock offset: -0.743 ms
Remote clock offset: -1.272 ms

Below is generated by plot.py at 2017-09-21 16:33:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 12.466 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 12.466 ms
Loss rate: 0.01%

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

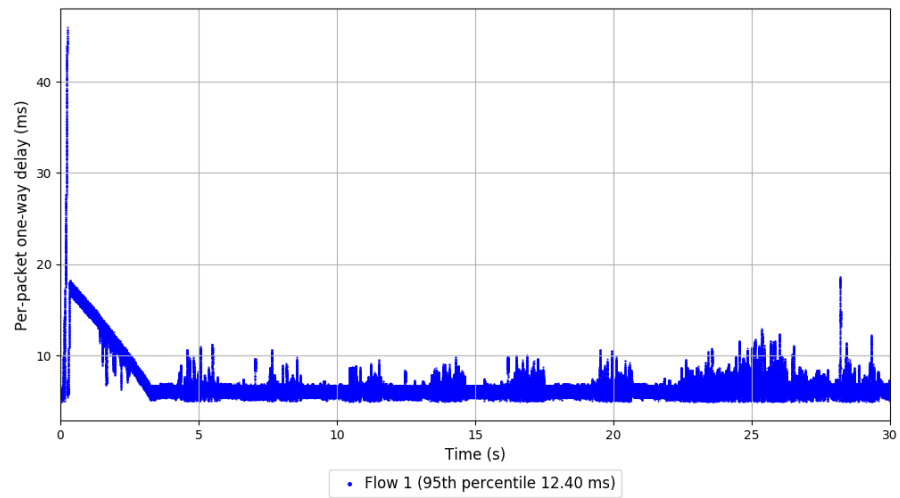
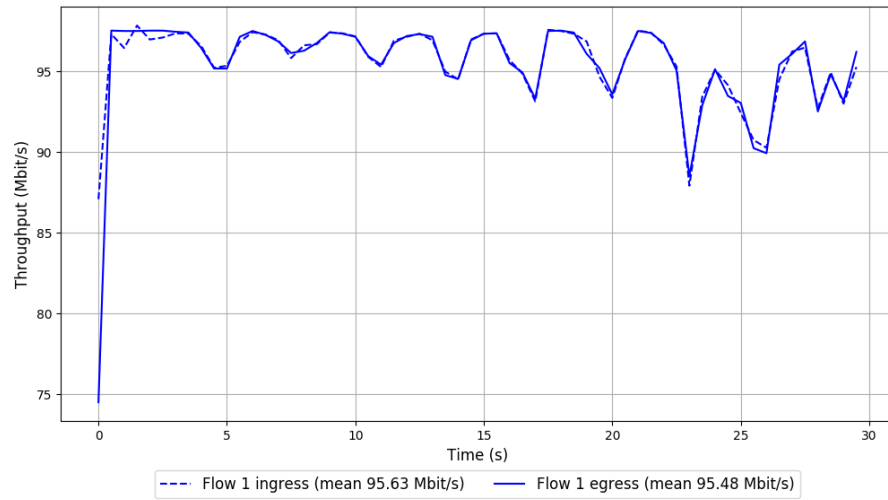


Run 1: Statistics of TCP Vegas

Start at: 2017-09-21 12:25:44
End at: 2017-09-21 12:26:14
Local clock offset: 2.289 ms
Remote clock offset: -3.115 ms

Below is generated by plot.py at 2017-09-21 16:33:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 12.397 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 12.397 ms
Loss rate: 0.17%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

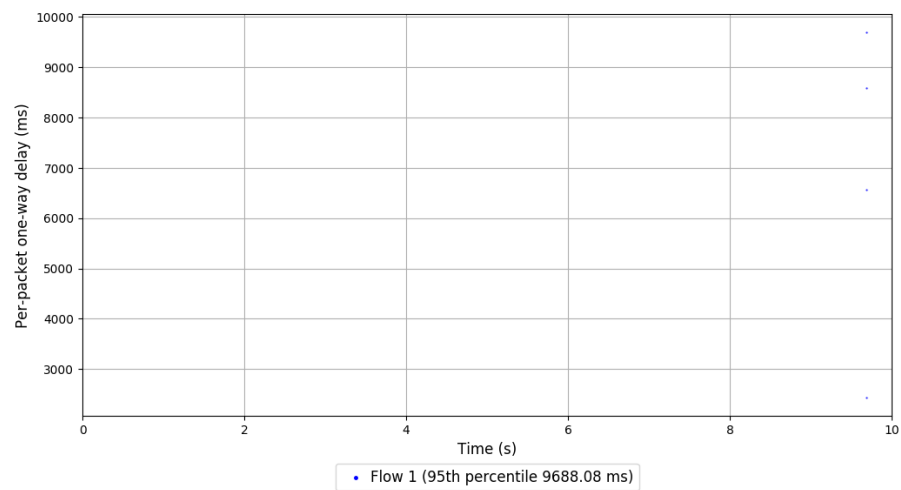
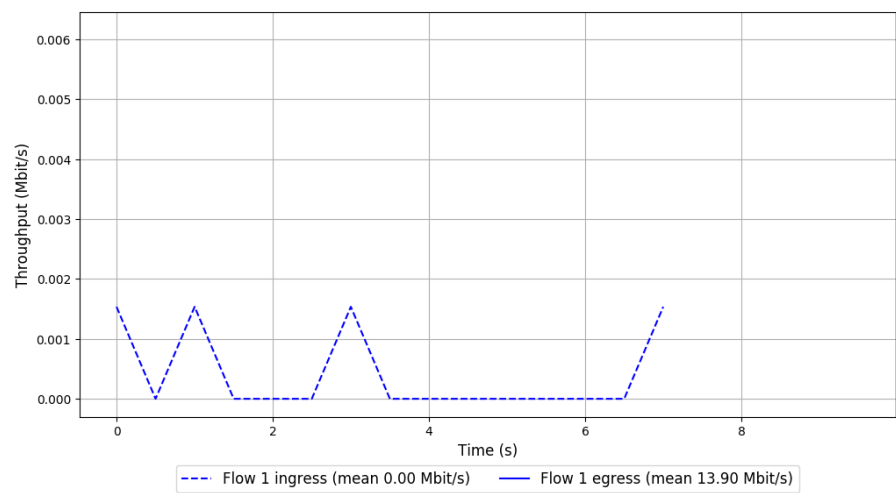
Start at: 2017-09-21 12:50:28

End at: 2017-09-21 12:50:58

Local clock offset: -1.996 ms

Remote clock offset: -1.09 ms

Run 2: Report of TCP Vegas — Data Link

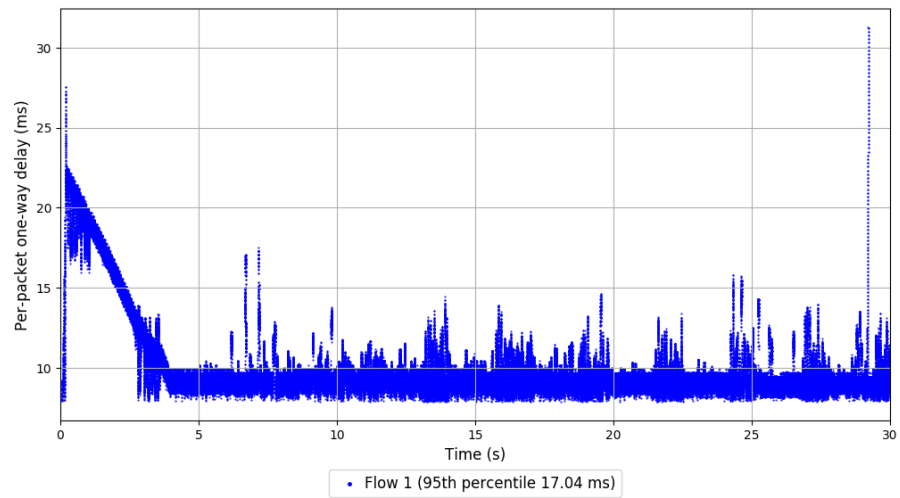
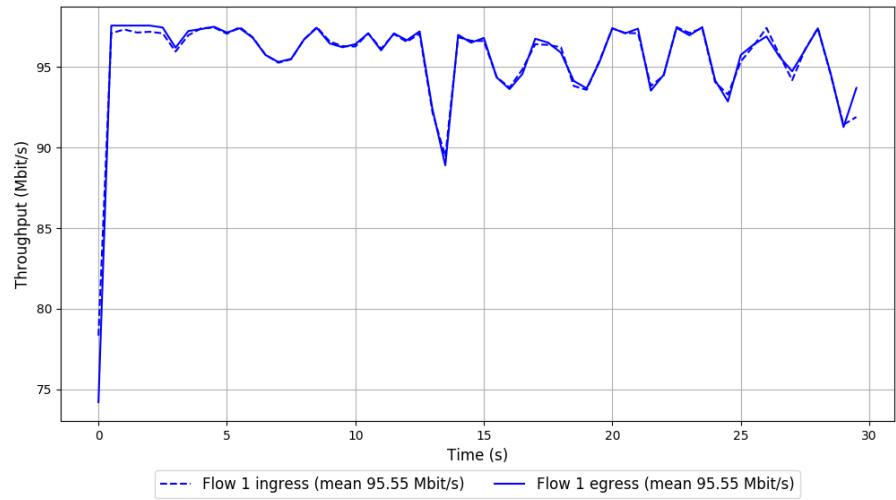


Run 3: Statistics of TCP Vegas

Start at: 2017-09-21 13:09:09
End at: 2017-09-21 13:09:39
Local clock offset: 2.462 ms
Remote clock offset: -1.438 ms

Below is generated by plot.py at 2017-09-21 16:33:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 17.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 17.044 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

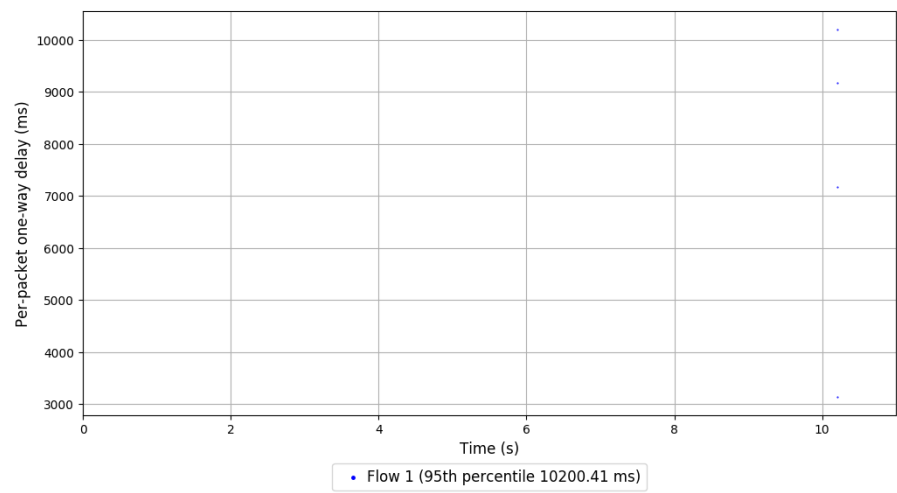
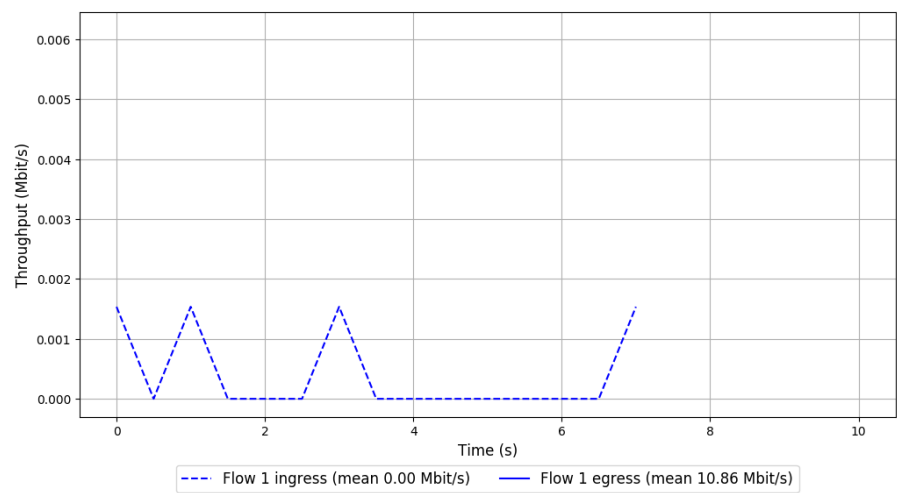
Start at: 2017-09-21 13:28:40

End at: 2017-09-21 13:29:10

Local clock offset: 0.695 ms

Remote clock offset: -1.737 ms

Run 4: Report of TCP Vegas — Data Link

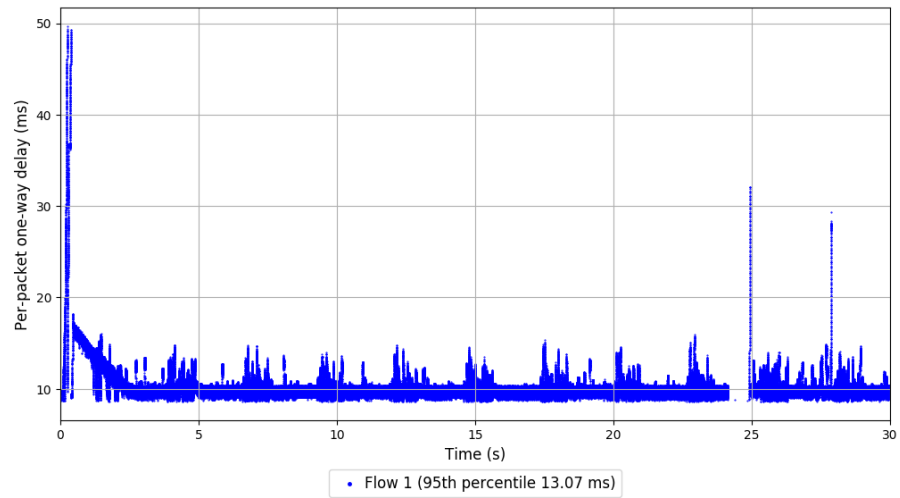
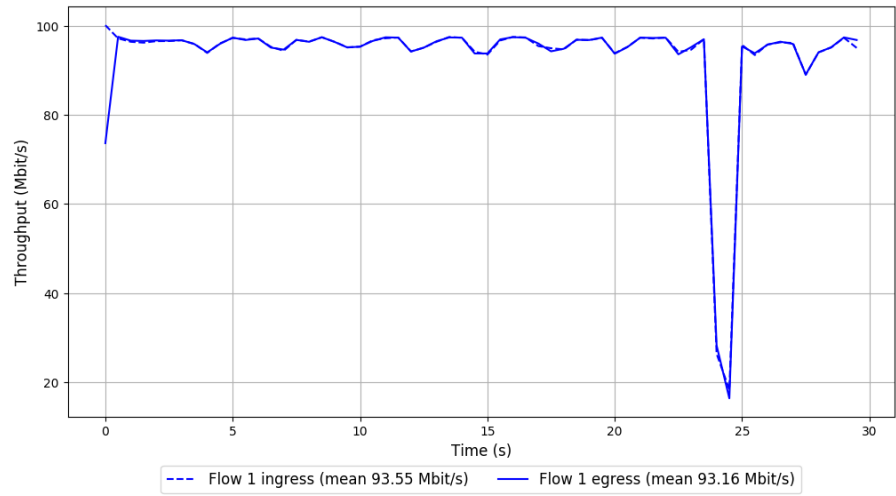


Run 5: Statistics of TCP Vegas

Start at: 2017-09-21 13:49:07
End at: 2017-09-21 13:49:37
Local clock offset: 2.677 ms
Remote clock offset: -1.035 ms

Below is generated by plot.py at 2017-09-21 16:33:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 13.068 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 13.068 ms
Loss rate: 0.42%

Run 5: Report of TCP Vegas — Data Link

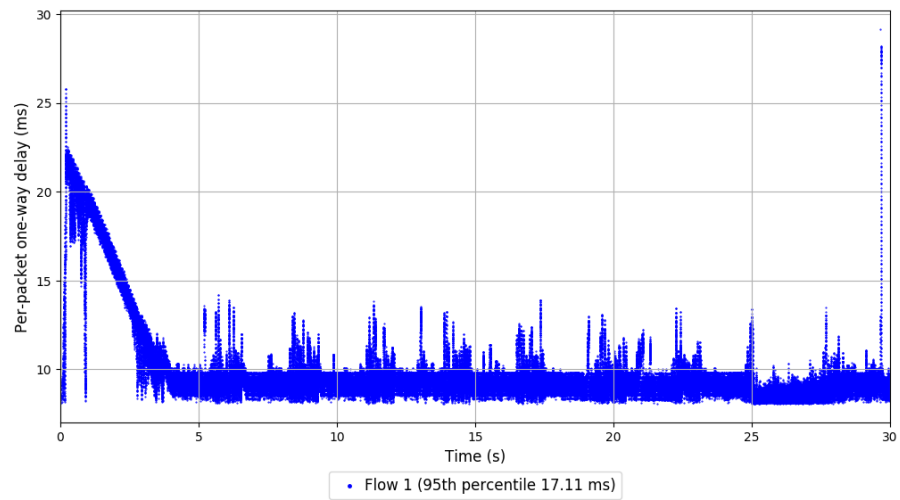
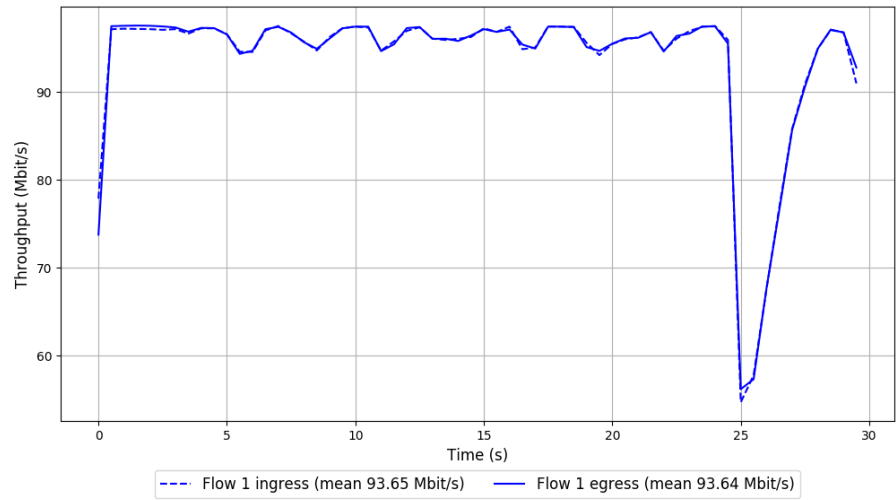


Run 6: Statistics of TCP Vegas

Start at: 2017-09-21 14:07:58
End at: 2017-09-21 14:08:28
Local clock offset: 2.152 ms
Remote clock offset: -1.896 ms

Below is generated by plot.py at 2017-09-21 16:33:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 17.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 17.105 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

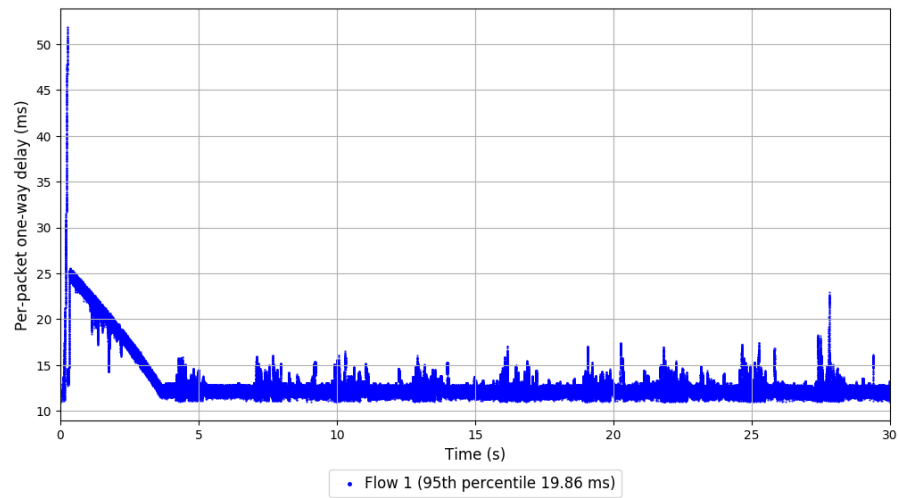
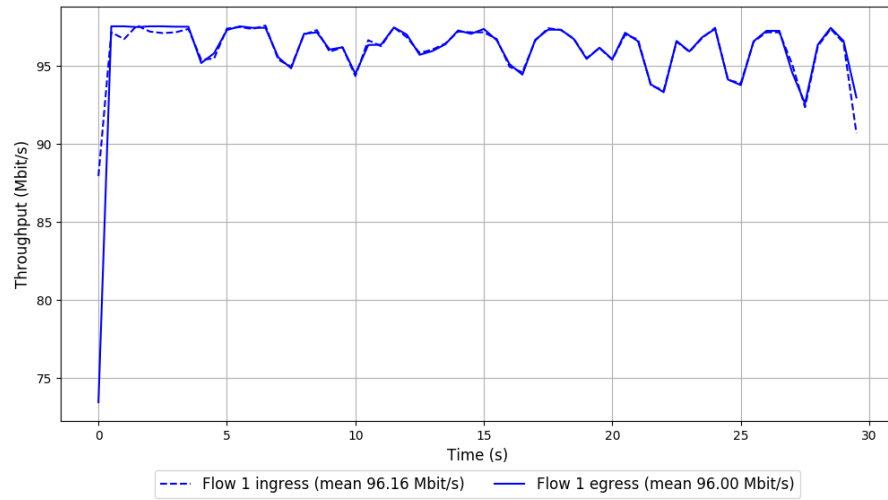


Run 7: Statistics of TCP Vegas

Start at: 2017-09-21 14:26:37
End at: 2017-09-21 14:27:07
Local clock offset: -0.166 ms
Remote clock offset: -0.681 ms

Below is generated by plot.py at 2017-09-21 16:33:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 19.858 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 19.858 ms
Loss rate: 0.17%

Run 7: Report of TCP Vegas — Data Link

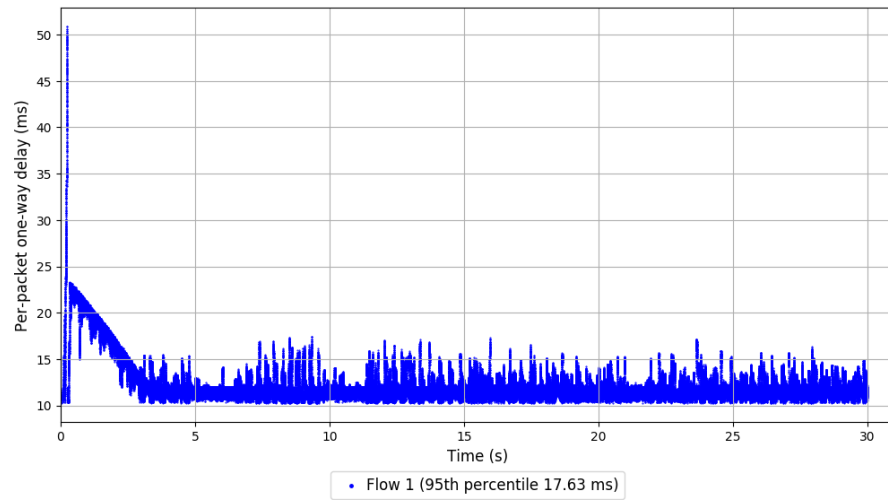
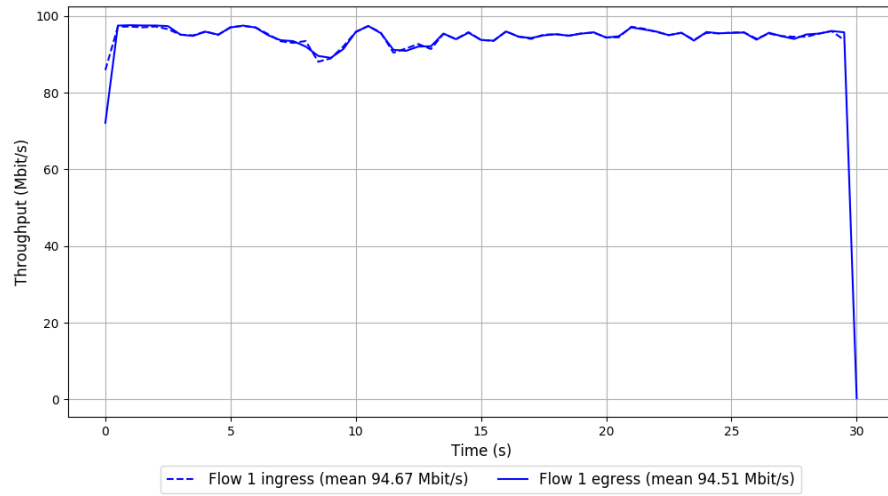


Run 8: Statistics of TCP Vegas

Start at: 2017-09-21 14:55:02
End at: 2017-09-21 14:55:33
Local clock offset: -1.418 ms
Remote clock offset: -1.876 ms

Below is generated by plot.py at 2017-09-21 16:33:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 17.628 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 17.628 ms
Loss rate: 0.17%

Run 8: Report of TCP Vegas — Data Link

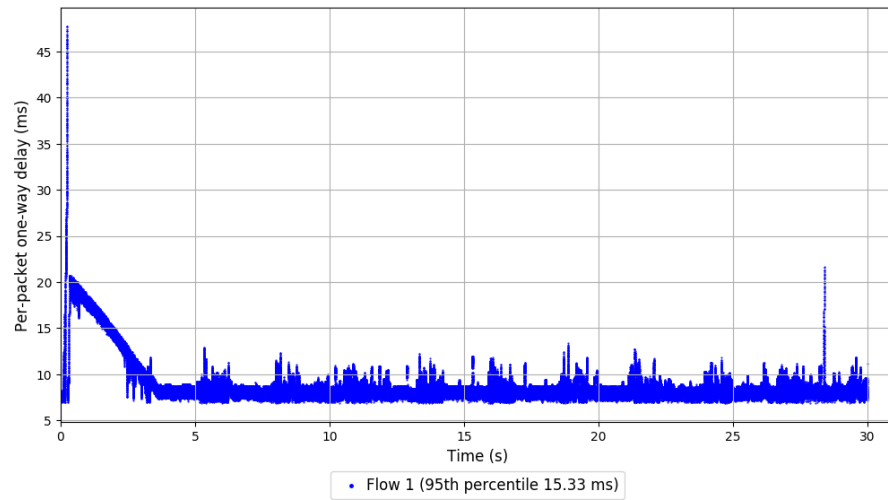
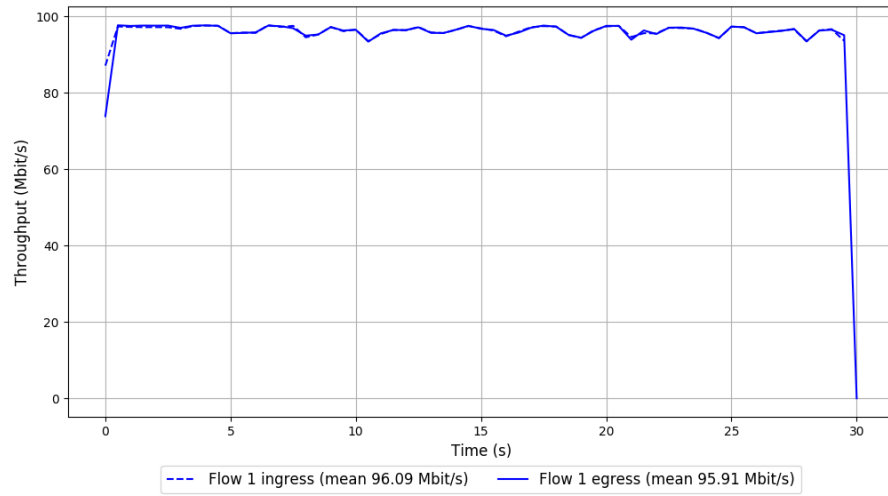


Run 9: Statistics of TCP Vegas

Start at: 2017-09-21 15:26:12
End at: 2017-09-21 15:26:42
Local clock offset: 0.512 ms
Remote clock offset: -2.362 ms

Below is generated by plot.py at 2017-09-21 16:34:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 15.327 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 15.327 ms
Loss rate: 0.17%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-09-21 15:44:26

End at: 2017-09-21 15:44:56

Local clock offset: 0.557 ms

Remote clock offset: -1.548 ms

Below is generated by plot.py at 2017-09-21 16:34:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 14.757 ms

Loss rate: 0.00%

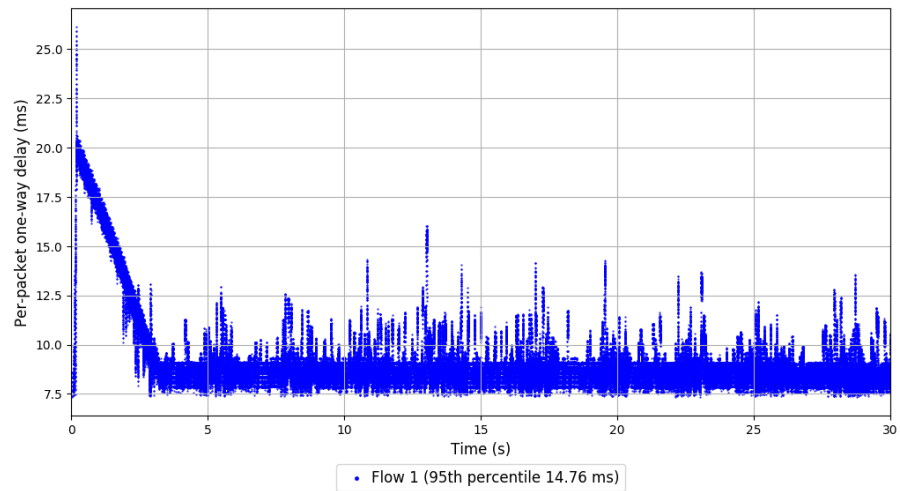
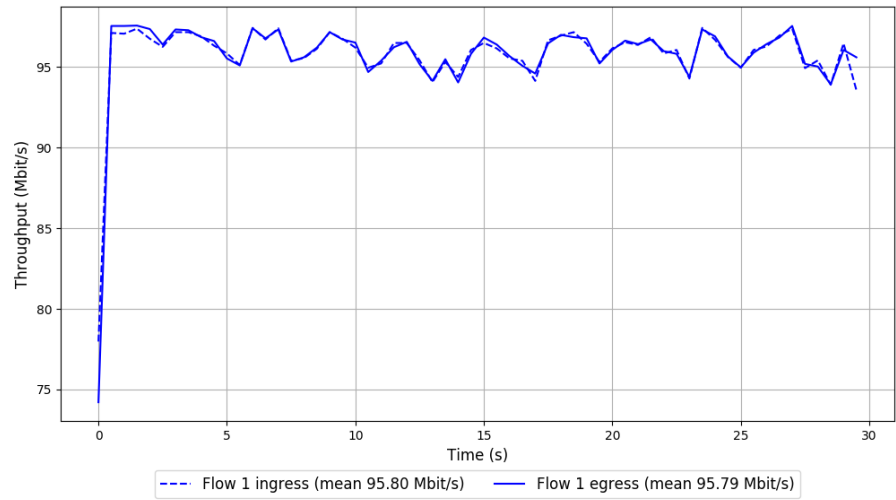
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 14.757 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

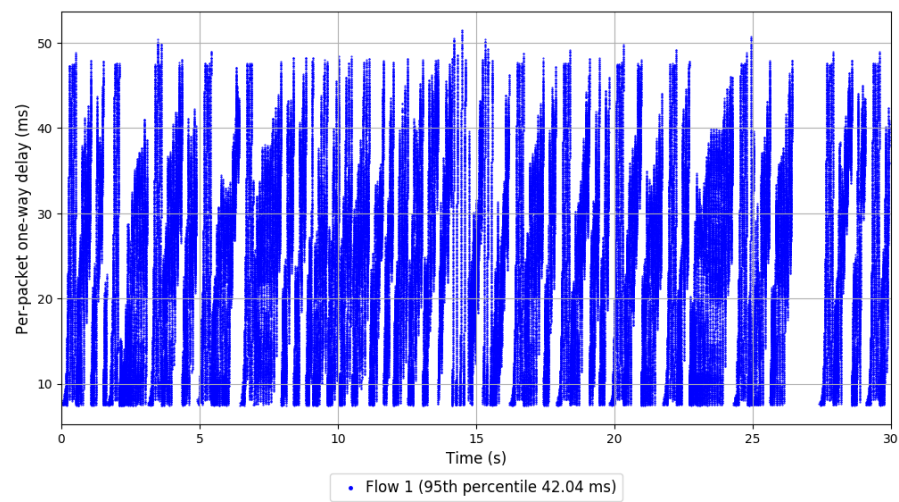
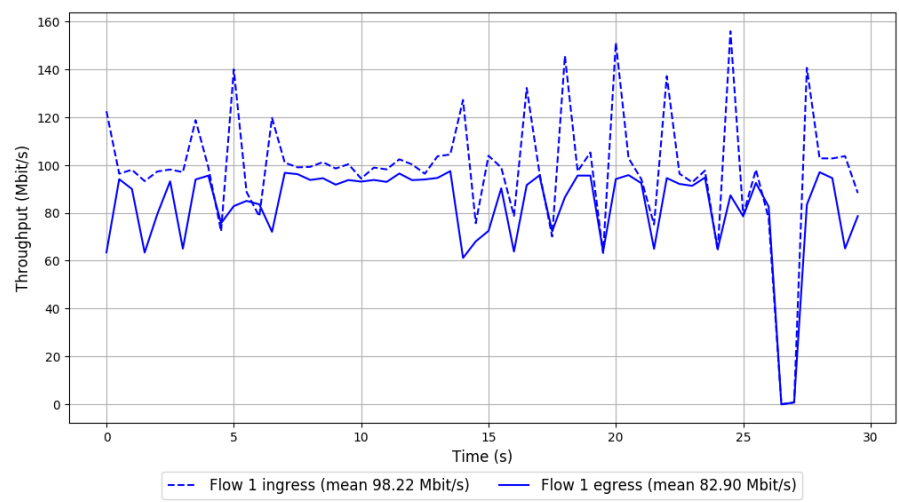


Run 1: Statistics of Verus

Start at: 2017-09-21 12:42:15
End at: 2017-09-21 12:42:45
Local clock offset: 1.529 ms
Remote clock offset: -1.663 ms

Below is generated by plot.py at 2017-09-21 16:34:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.90 Mbit/s
95th percentile per-packet one-way delay: 42.040 ms
Loss rate: 15.51%
-- Flow 1:
Average throughput: 82.90 Mbit/s
95th percentile per-packet one-way delay: 42.040 ms
Loss rate: 15.51%

Run 1: Report of Verus — Data Link

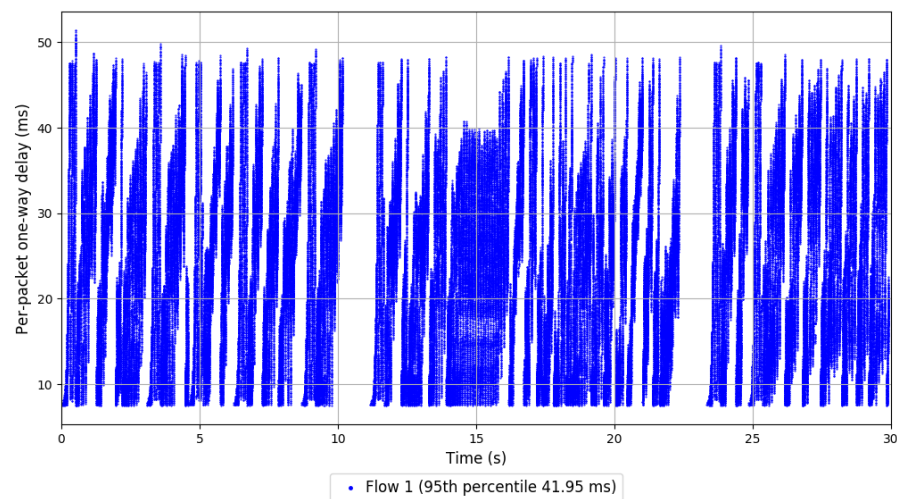
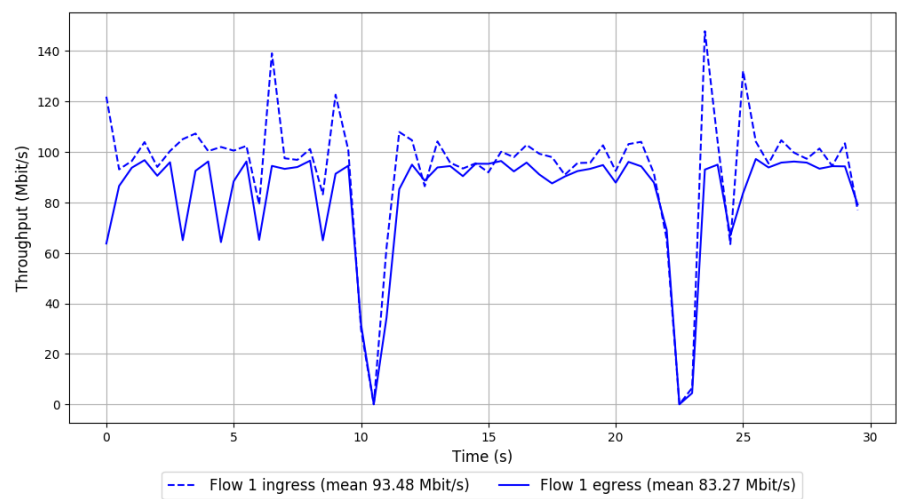


Run 2: Statistics of Verus

Start at: 2017-09-21 12:59:15
End at: 2017-09-21 12:59:45
Local clock offset: 2.037 ms
Remote clock offset: -1.967 ms

Below is generated by plot.py at 2017-09-21 16:34:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 41.953 ms
Loss rate: 10.91%
-- Flow 1:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 41.953 ms
Loss rate: 10.91%

Run 2: Report of Verus — Data Link

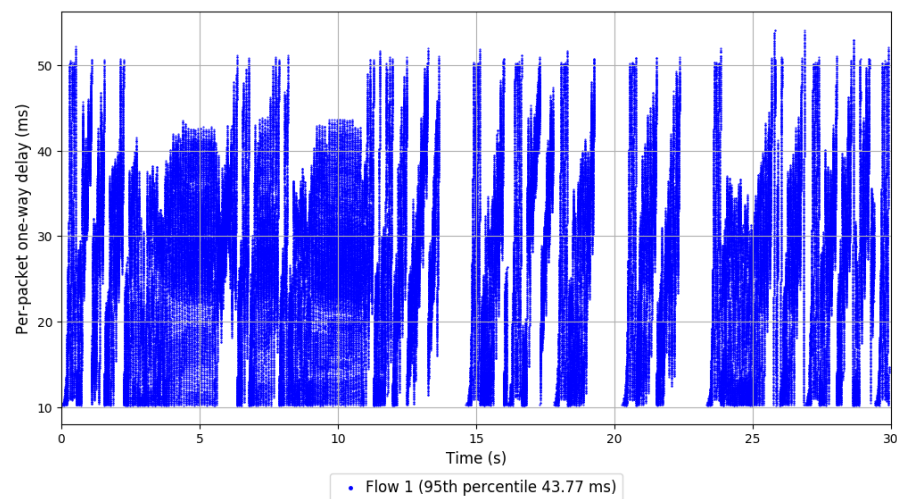
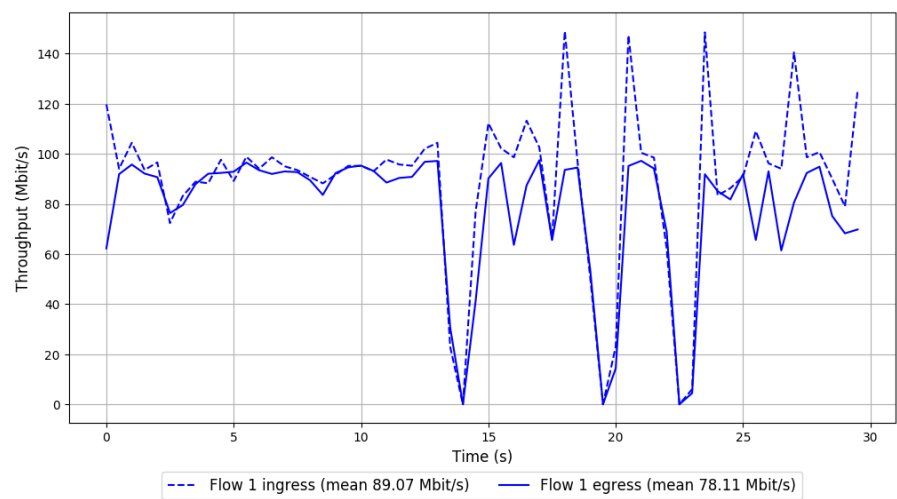


Run 3: Statistics of Verus

Start at: 2017-09-21 13:19:01
End at: 2017-09-21 13:19:31
Local clock offset: 0.27 ms
Remote clock offset: -1.668 ms

Below is generated by plot.py at 2017-09-21 16:34:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 43.773 ms
Loss rate: 12.30%
-- Flow 1:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 43.773 ms
Loss rate: 12.30%

Run 3: Report of Verus — Data Link

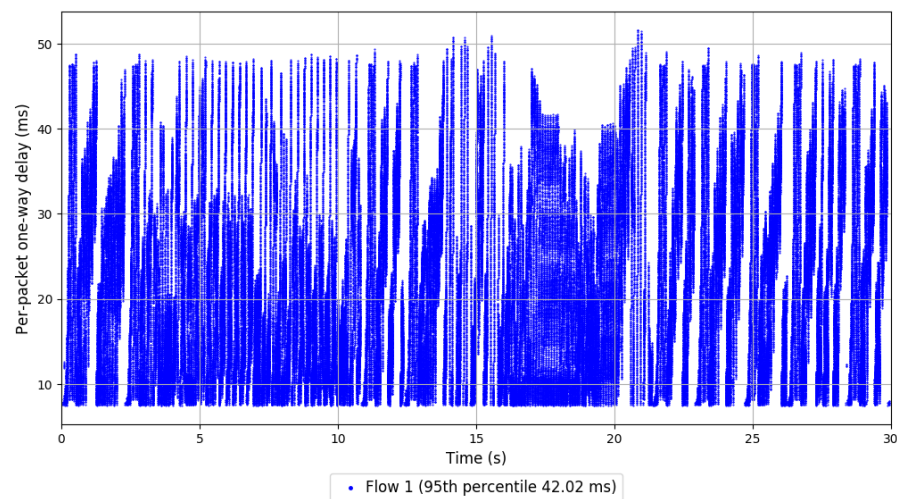
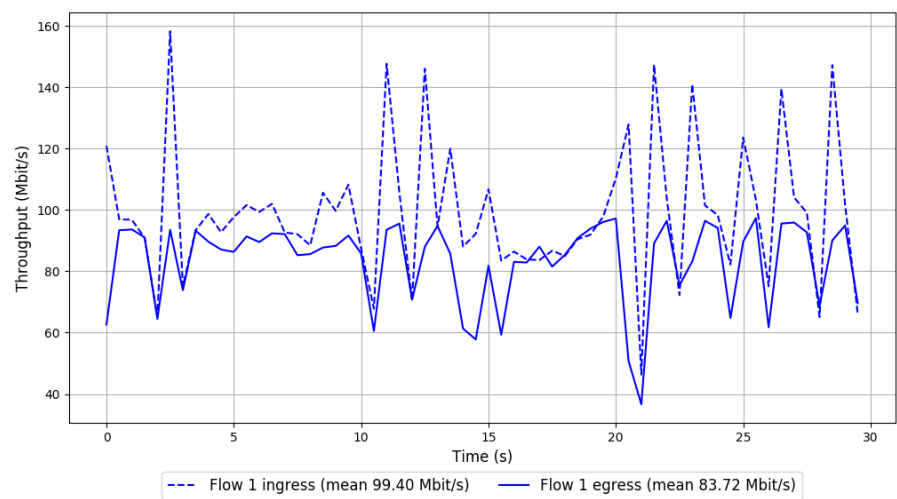


Run 4: Statistics of Verus

Start at: 2017-09-21 13:39:09
End at: 2017-09-21 13:39:39
Local clock offset: 2.982 ms
Remote clock offset: -2.017 ms

Below is generated by plot.py at 2017-09-21 16:34:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 42.023 ms
Loss rate: 15.77%
-- Flow 1:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 42.023 ms
Loss rate: 15.77%

Run 4: Report of Verus — Data Link

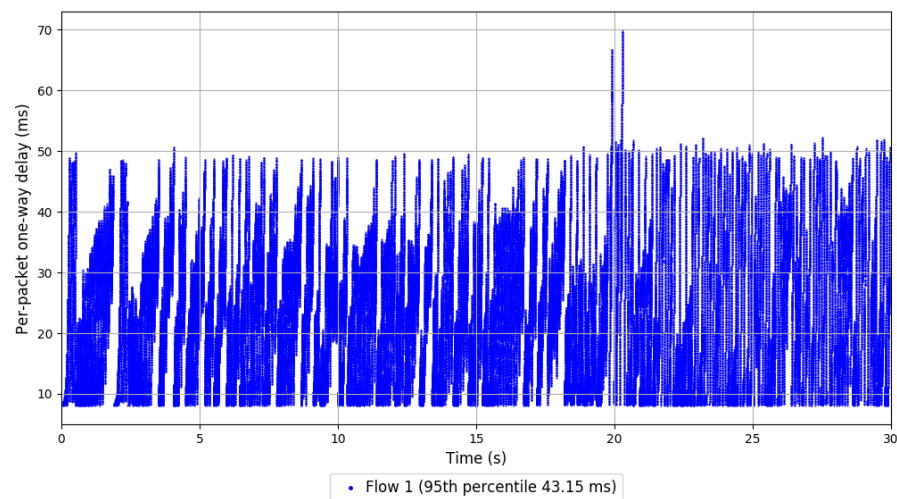
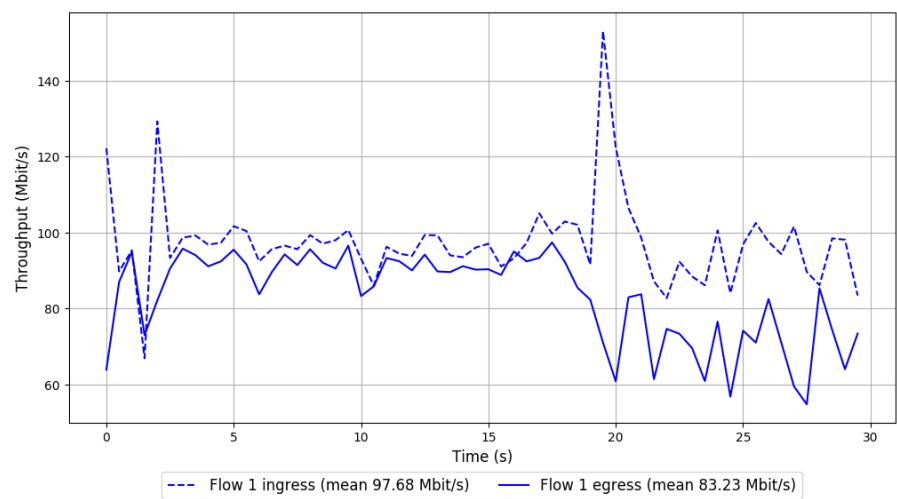


Run 5: Statistics of Verus

Start at: 2017-09-21 13:58:49
End at: 2017-09-21 13:59:19
Local clock offset: 2.914 ms
Remote clock offset: -1.232 ms

Below is generated by plot.py at 2017-09-21 16:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 43.146 ms
Loss rate: 14.68%
-- Flow 1:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 43.146 ms
Loss rate: 14.68%

Run 5: Report of Verus — Data Link

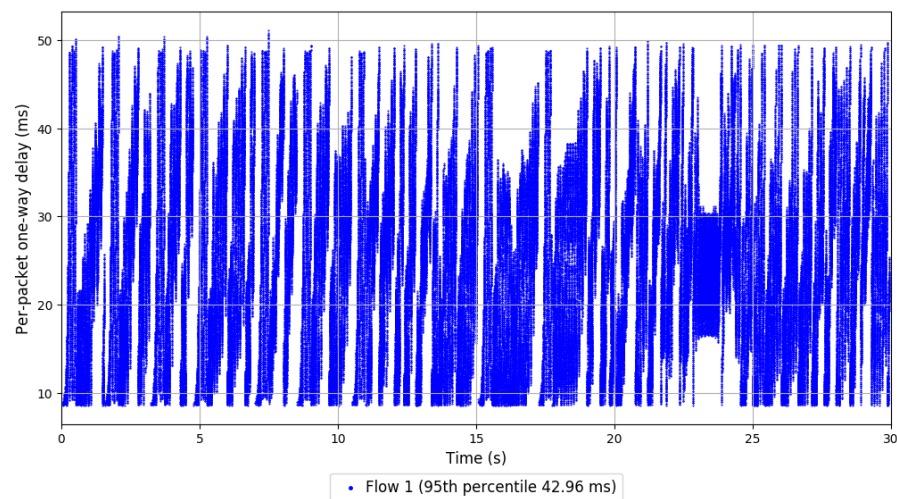
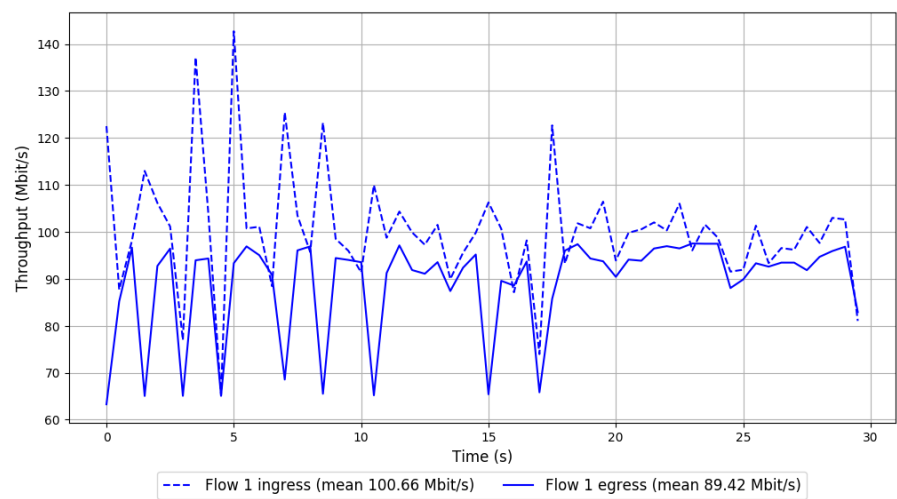


Run 6: Statistics of Verus

Start at: 2017-09-21 14:17:09
End at: 2017-09-21 14:17:40
Local clock offset: 1.541 ms
Remote clock offset: -1.661 ms

Below is generated by plot.py at 2017-09-21 16:34:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 42.960 ms
Loss rate: 11.13%
-- Flow 1:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 42.960 ms
Loss rate: 11.13%

Run 6: Report of Verus — Data Link

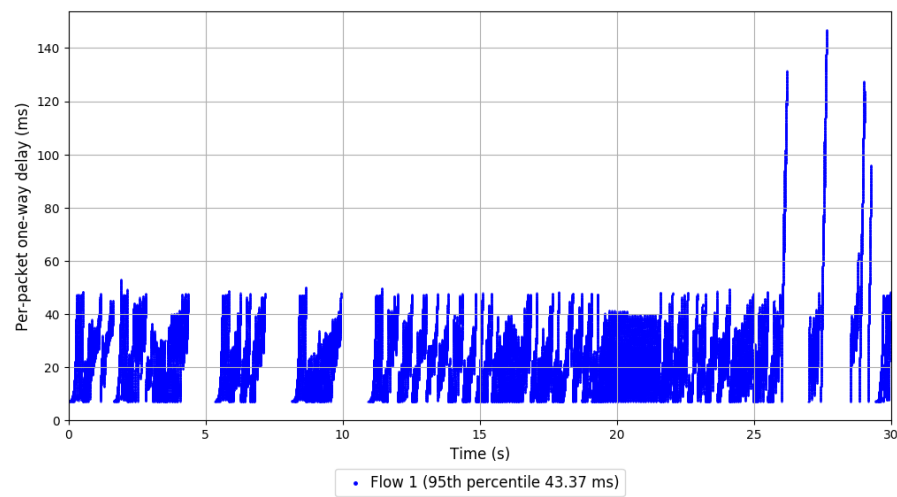
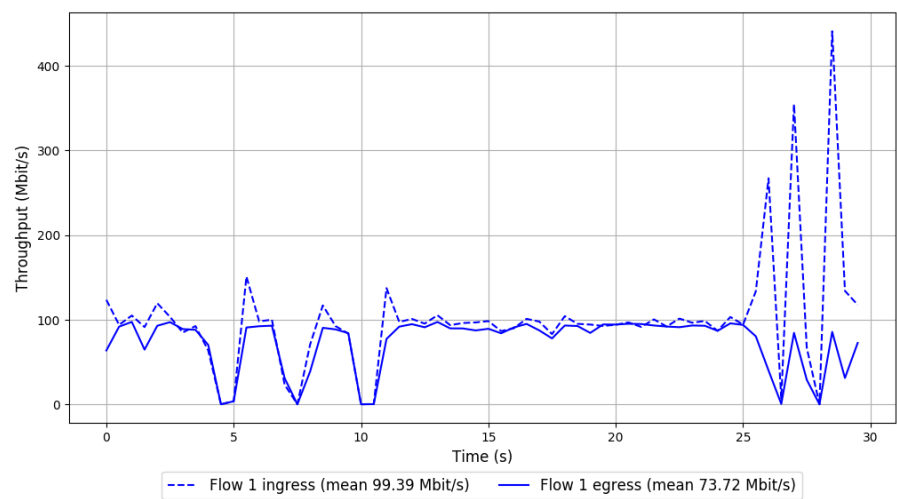


Run 7: Statistics of Verus

Start at: 2017-09-21 14:36:31
End at: 2017-09-21 14:37:01
Local clock offset: 1.907 ms
Remote clock offset: -2.272 ms

Below is generated by plot.py at 2017-09-21 16:35:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 43.372 ms
Loss rate: 25.81%
-- Flow 1:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 43.372 ms
Loss rate: 25.81%

Run 7: Report of Verus — Data Link

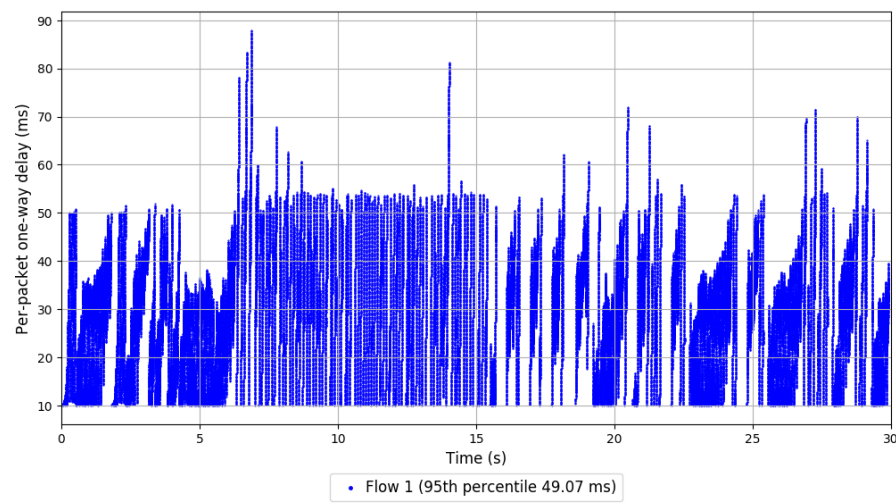
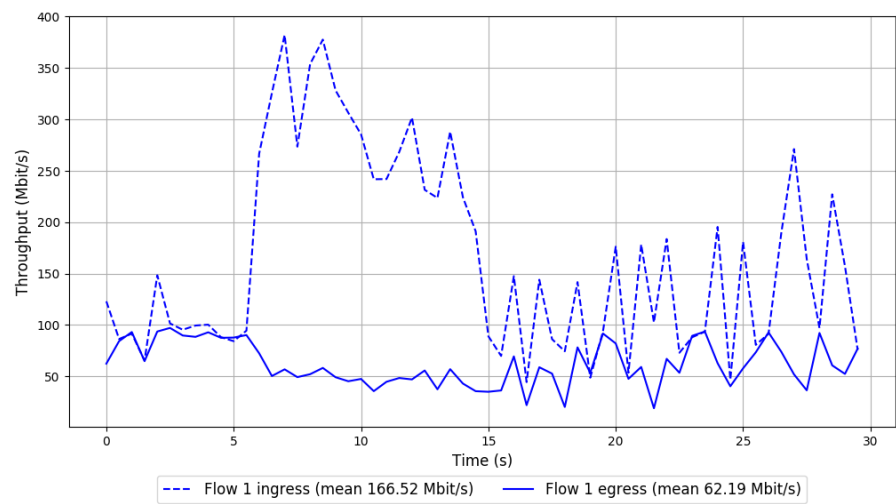


Run 8: Statistics of Verus

Start at: 2017-09-21 15:13:09
End at: 2017-09-21 15:13:39
Local clock offset: -2.231 ms
Remote clock offset: -2.338 ms

Below is generated by plot.py at 2017-09-21 16:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 49.066 ms
Loss rate: 62.63%
-- Flow 1:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 49.066 ms
Loss rate: 62.63%

Run 8: Report of Verus — Data Link

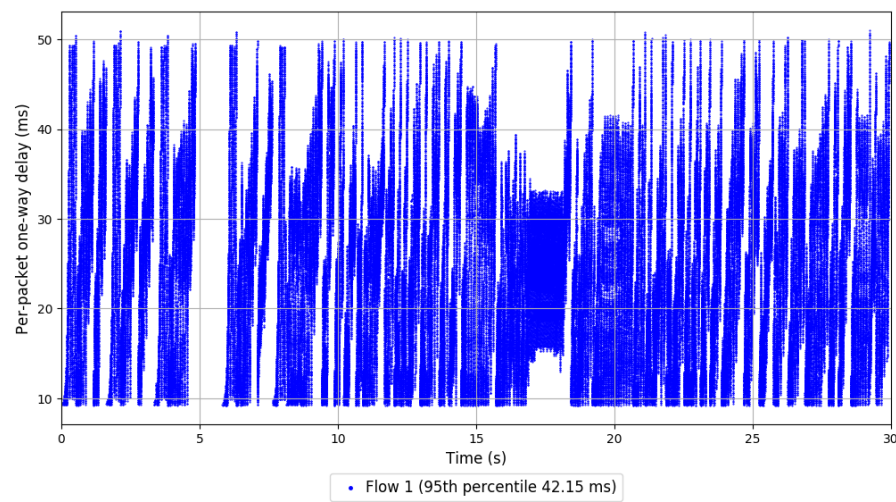
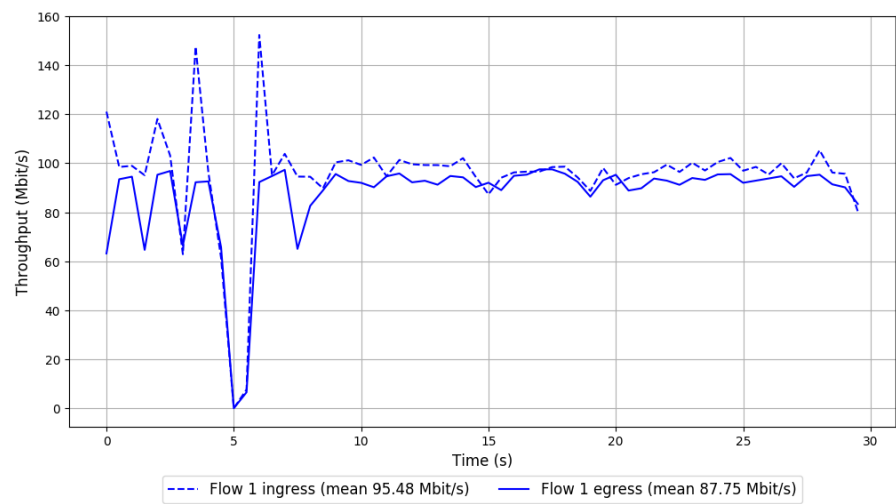


Run 9: Statistics of Verus

Start at: 2017-09-21 15:35:24
End at: 2017-09-21 15:35:54
Local clock offset: -1.551 ms
Remote clock offset: -2.009 ms

Below is generated by plot.py at 2017-09-21 16:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: 42.151 ms
Loss rate: 8.08%
-- Flow 1:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: 42.151 ms
Loss rate: 8.08%

Run 9: Report of Verus — Data Link

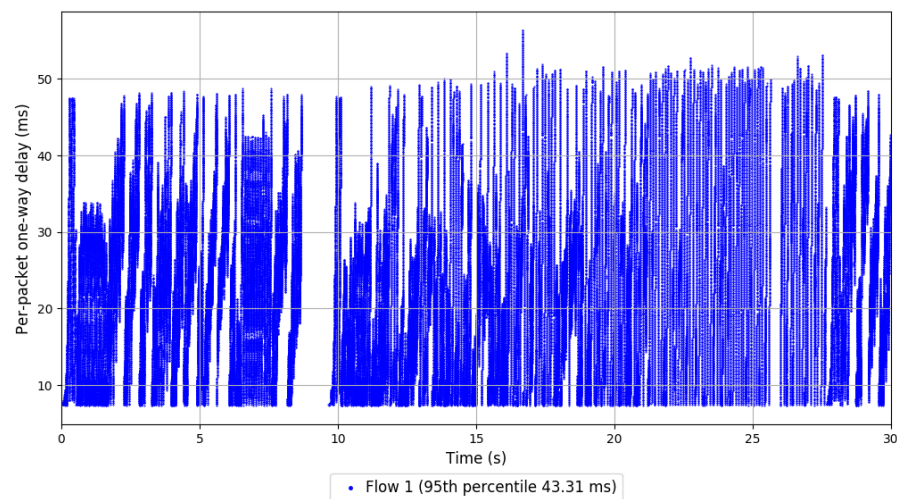
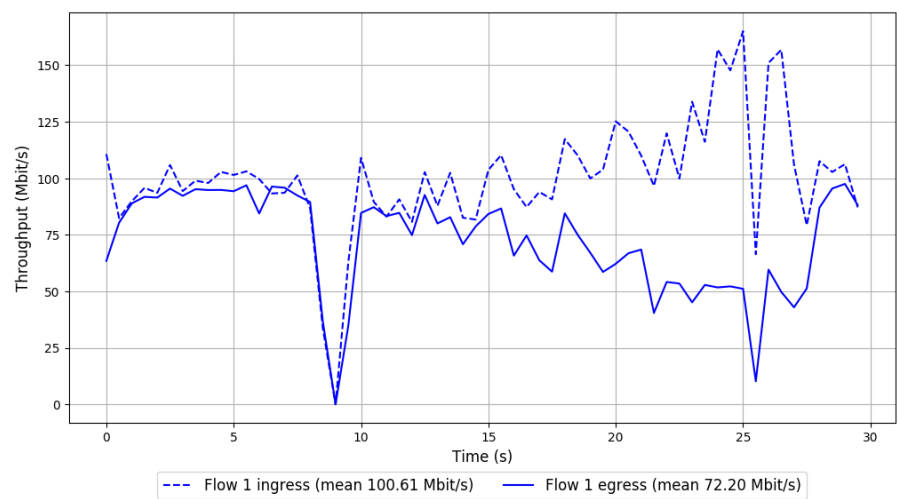


Run 10: Statistics of Verus

Start at: 2017-09-21 15:53:57
End at: 2017-09-21 15:54:27
Local clock offset: -0.36 ms
Remote clock offset: -2.247 ms

Below is generated by plot.py at 2017-09-21 16:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.20 Mbit/s
95th percentile per-packet one-way delay: 43.314 ms
Loss rate: 28.17%
-- Flow 1:
Average throughput: 72.20 Mbit/s
95th percentile per-packet one-way delay: 43.314 ms
Loss rate: 28.17%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Indigo

Start at: 2017-09-21 12:31:54

End at: 2017-09-21 12:32:24

Local clock offset: 1.767 ms

Remote clock offset: -2.268 ms

Below is generated by plot.py at 2017-09-21 16:35:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 12.163 ms

Loss rate: 0.00%

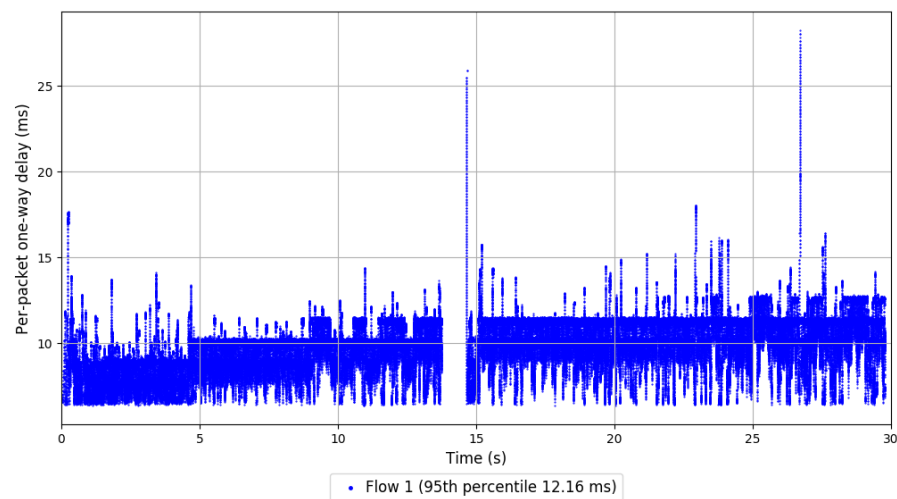
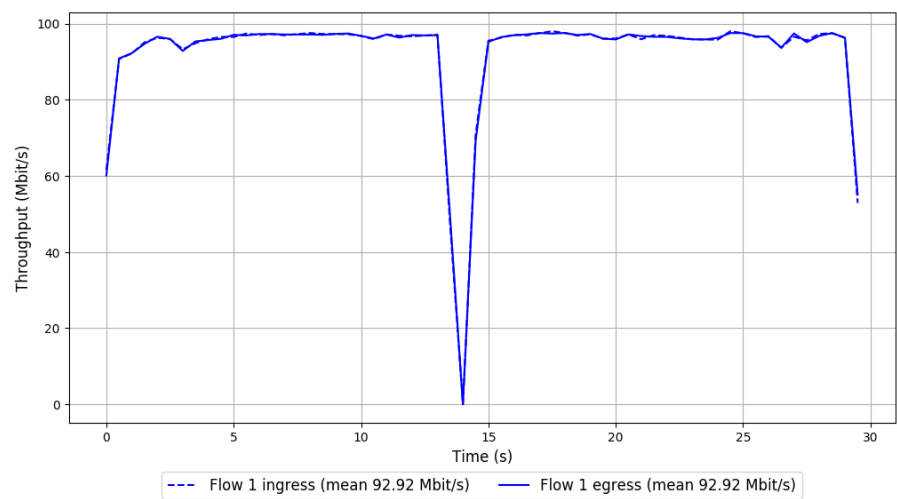
-- Flow 1:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 12.163 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

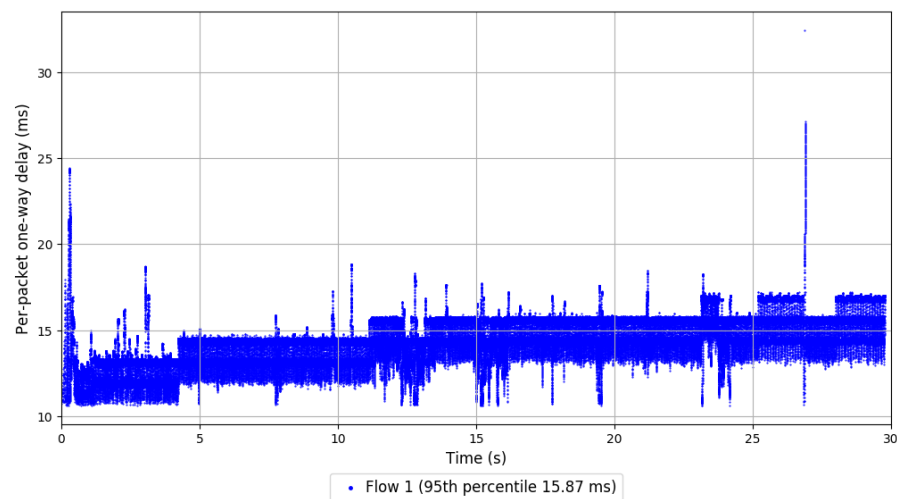
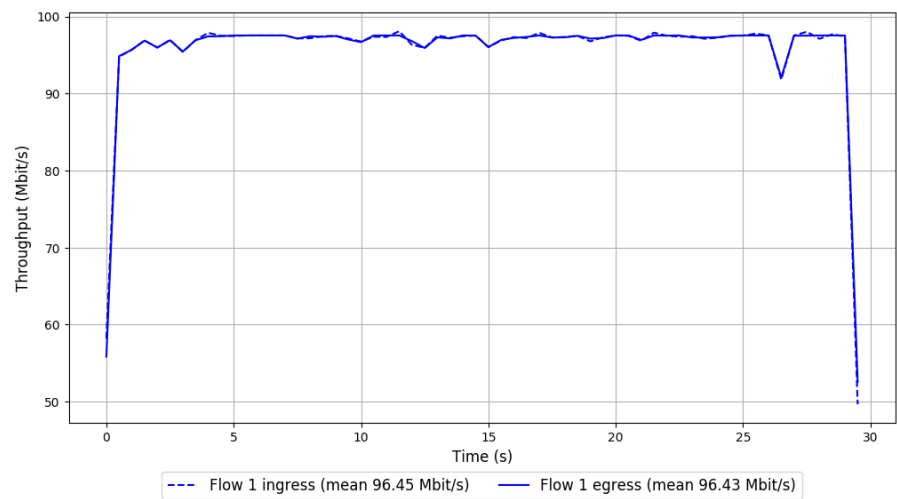


Run 2: Statistics of Indigo

Start at: 2017-09-21 12:55:16
End at: 2017-09-21 12:55:46
Local clock offset: -1.178 ms
Remote clock offset: -1.897 ms

Below is generated by plot.py at 2017-09-21 16:35:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 15.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 15.871 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-21 13:14:37

End at: 2017-09-21 13:15:07

Local clock offset: 0.126 ms

Remote clock offset: -2.2 ms

Below is generated by plot.py at 2017-09-21 16:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 15.926 ms

Loss rate: 0.00%

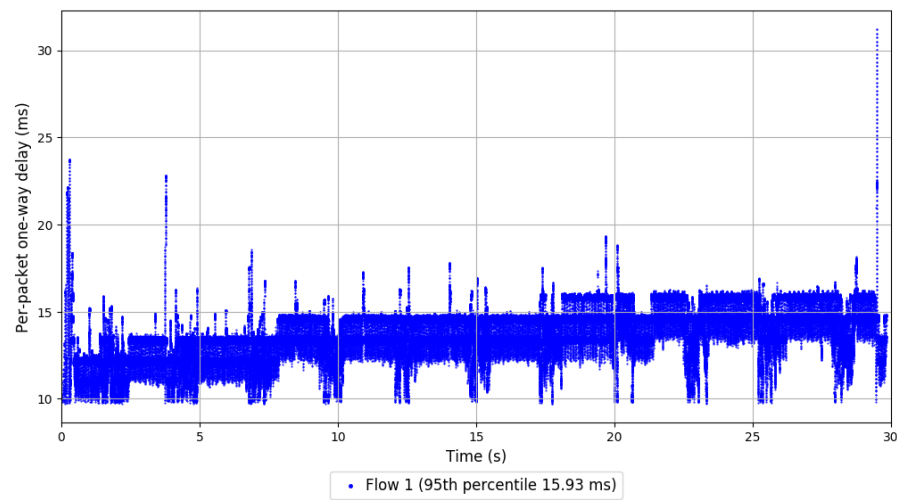
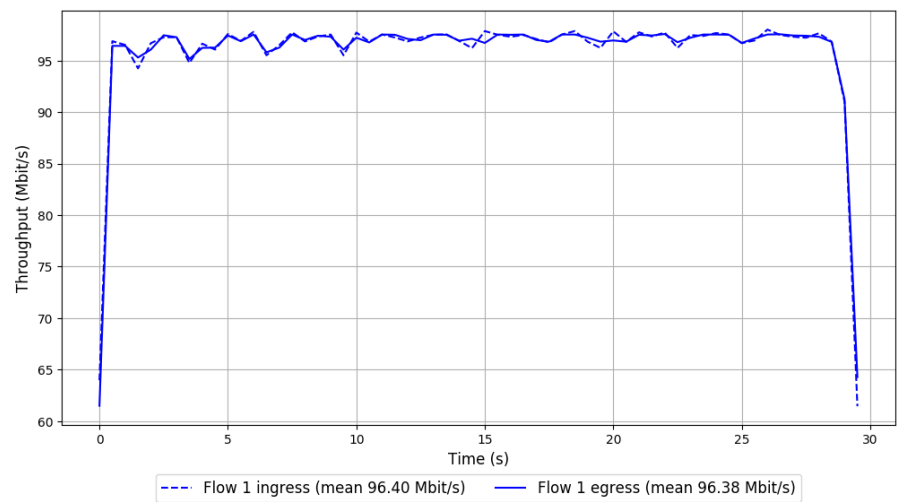
-- Flow 1:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 15.926 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

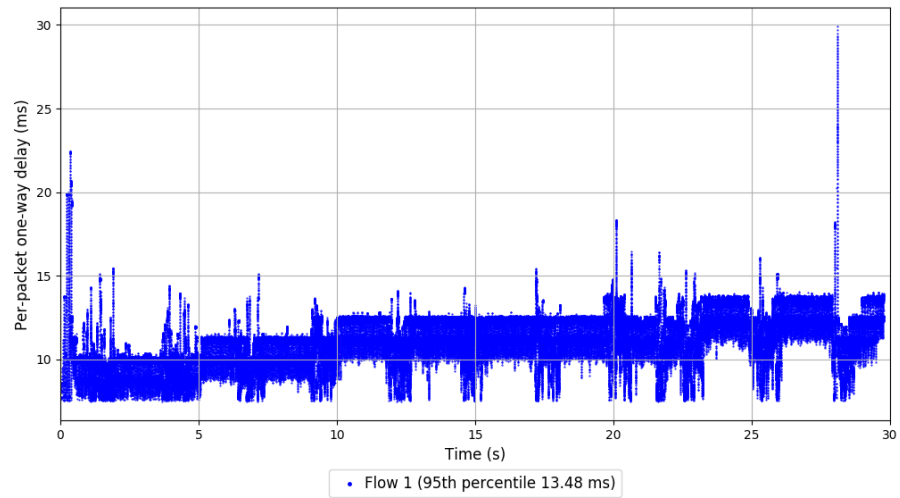
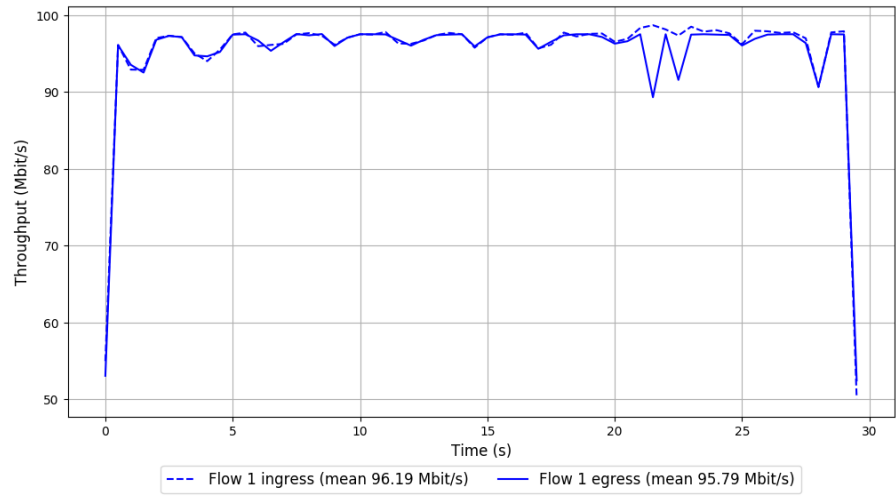


Run 4: Statistics of Indigo

Start at: 2017-09-21 13:34:36
End at: 2017-09-21 13:35:06
Local clock offset: 3.413 ms
Remote clock offset: -1.671 ms

Below is generated by plot.py at 2017-09-21 16:36:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 13.476 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 13.476 ms
Loss rate: 0.40%

Run 4: Report of Indigo — Data Link

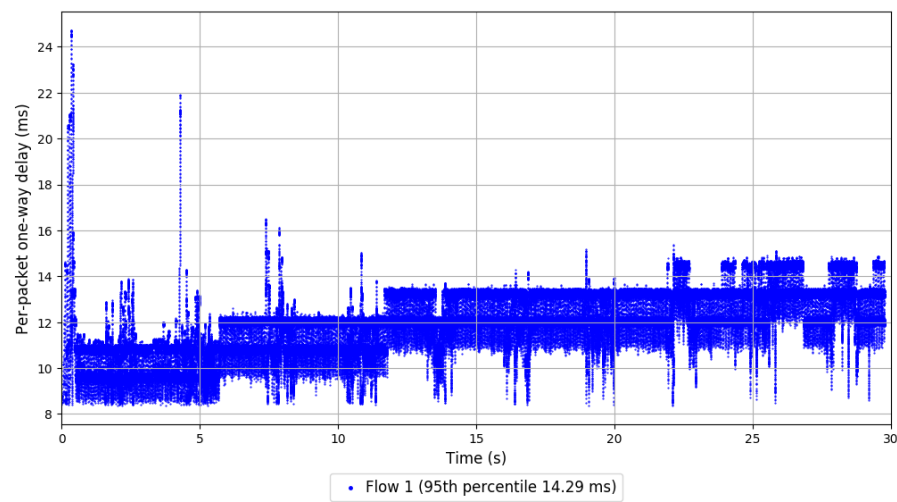
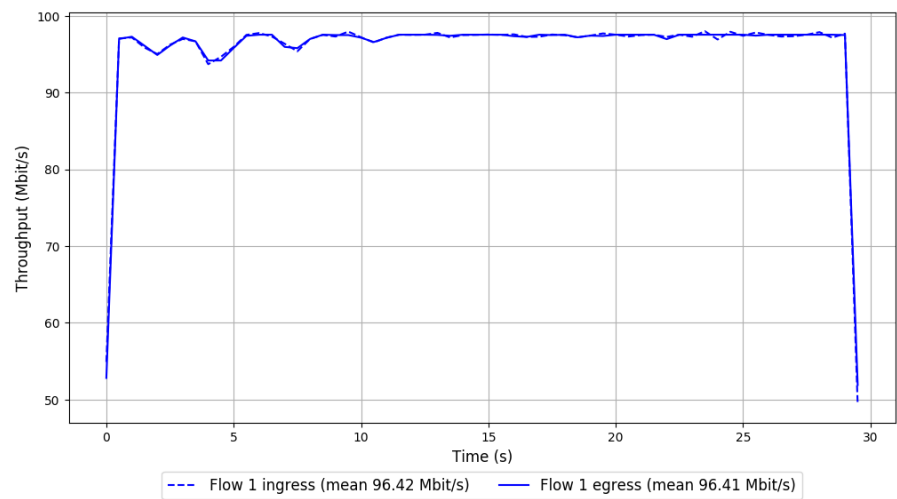


Run 5: Statistics of Indigo

Start at: 2017-09-21 13:54:27
End at: 2017-09-21 13:54:57
Local clock offset: 2.405 ms
Remote clock offset: -1.511 ms

Below is generated by plot.py at 2017-09-21 16:36:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 14.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 14.293 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

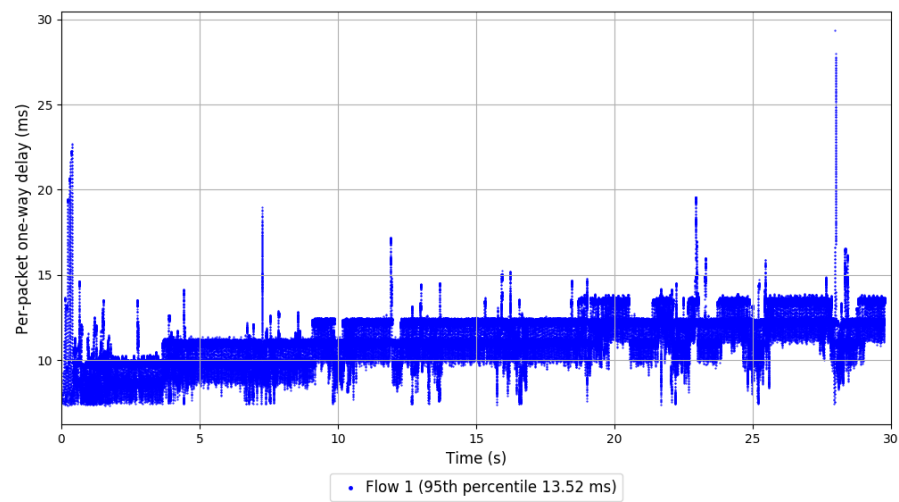
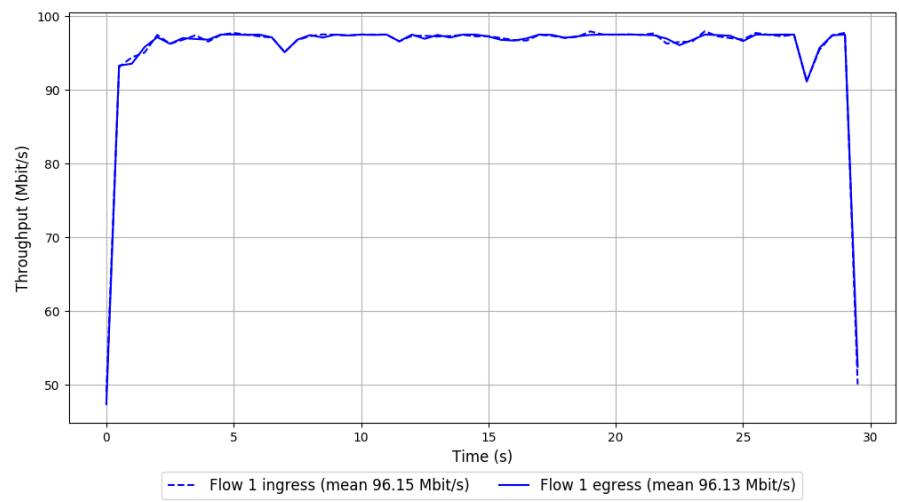


Run 6: Statistics of Indigo

Start at: 2017-09-21 14:13:01
End at: 2017-09-21 14:13:31
Local clock offset: 3.363 ms
Remote clock offset: -1.297 ms

Below is generated by plot.py at 2017-09-21 16:36:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 13.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 13.523 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

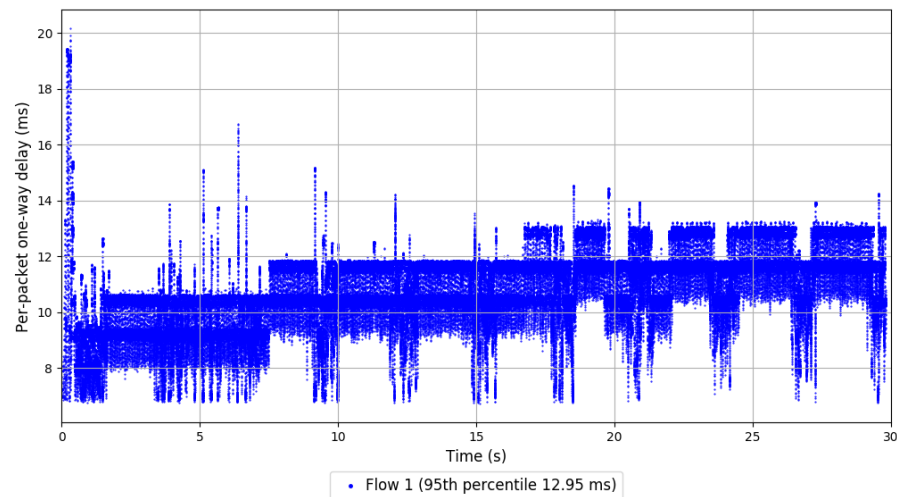
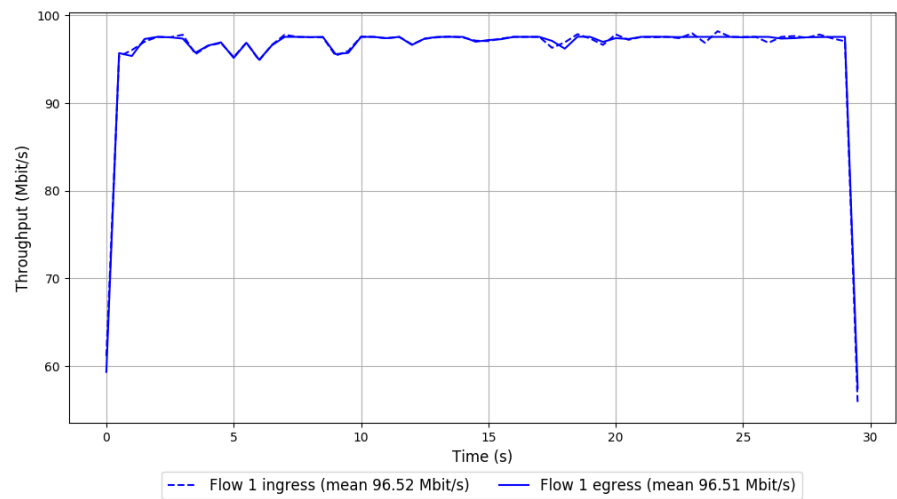


Run 7: Statistics of Indigo

Start at: 2017-09-21 14:31:42
End at: 2017-09-21 14:32:12
Local clock offset: 2.202 ms
Remote clock offset: -2.443 ms

Below is generated by plot.py at 2017-09-21 16:36:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 12.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 12.953 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-21 15:05:00

End at: 2017-09-21 15:05:30

Local clock offset: 0.916 ms

Remote clock offset: -1.875 ms

Below is generated by plot.py at 2017-09-21 16:36:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.17 Mbit/s

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

Loss rate: 0.00%

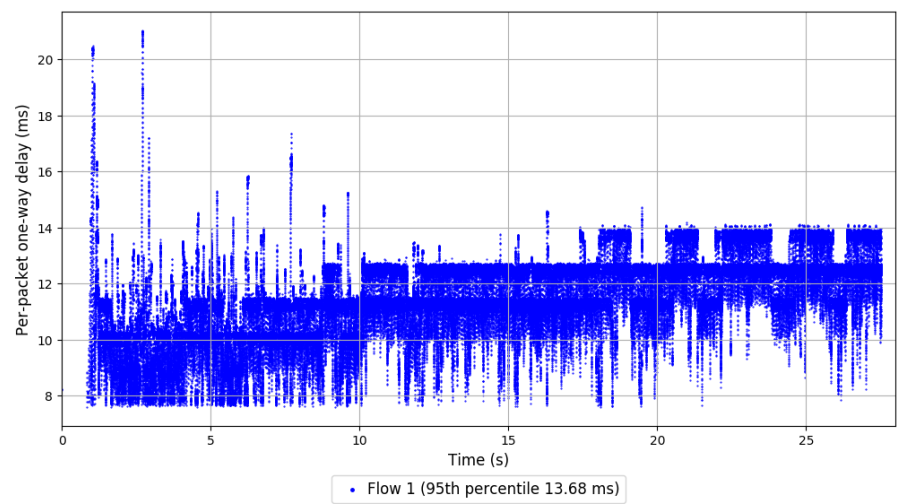
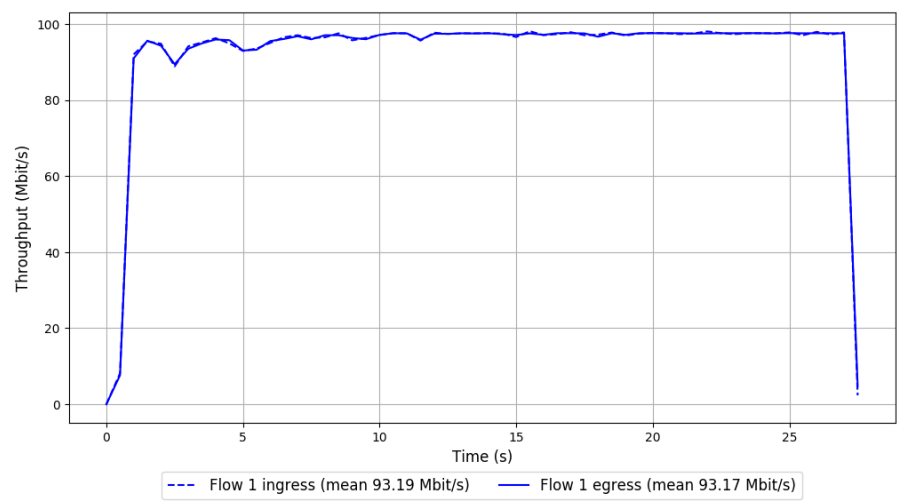
-- Flow 1:

Average throughput: 93.17 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

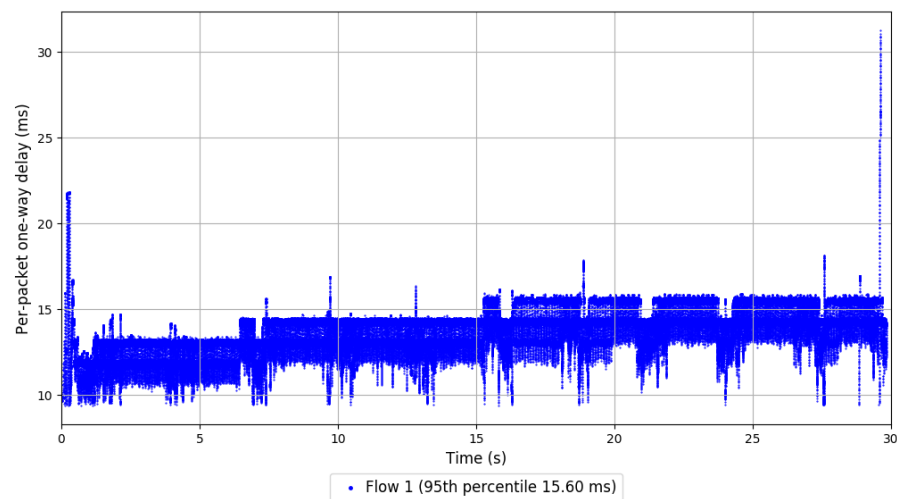
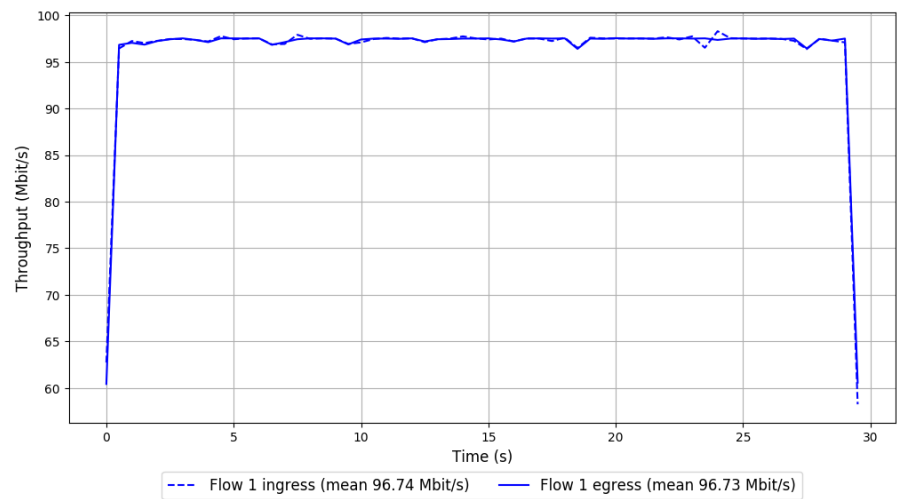


Run 9: Statistics of Indigo

Start at: 2017-09-21 15:31:13
End at: 2017-09-21 15:31:43
Local clock offset: -1.275 ms
Remote clock offset: -1.677 ms

Below is generated by plot.py at 2017-09-21 16:36:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 15.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 15.596 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-21 15:49:33

End at: 2017-09-21 15:50:03

Local clock offset: 0.134 ms

Remote clock offset: -1.9 ms

Below is generated by plot.py at 2017-09-21 16:37:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 13.506 ms

Loss rate: 0.00%

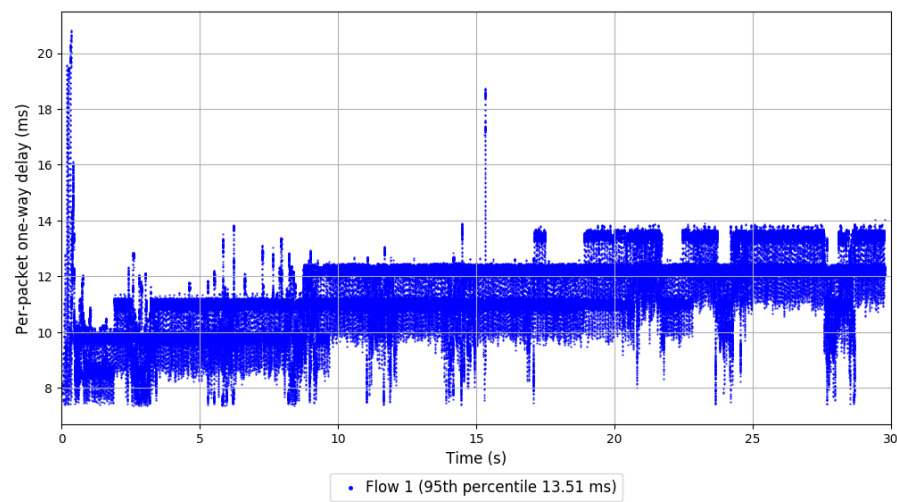
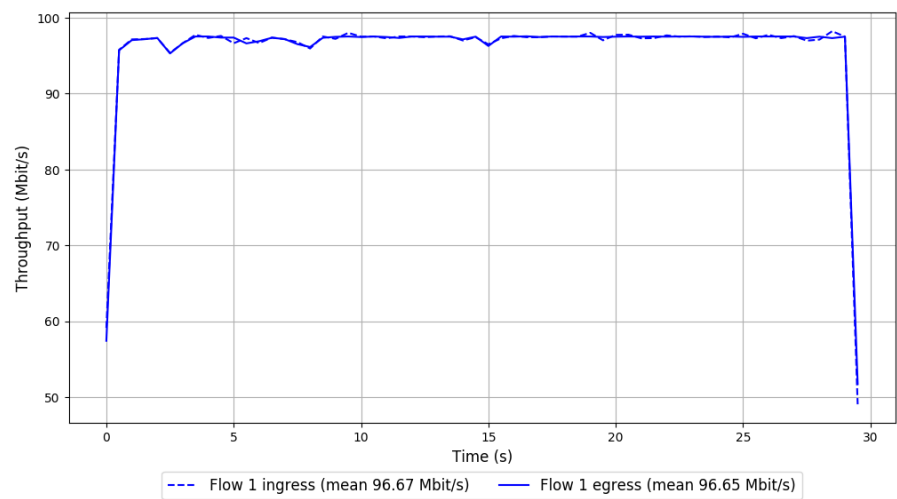
-- Flow 1:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 13.506 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

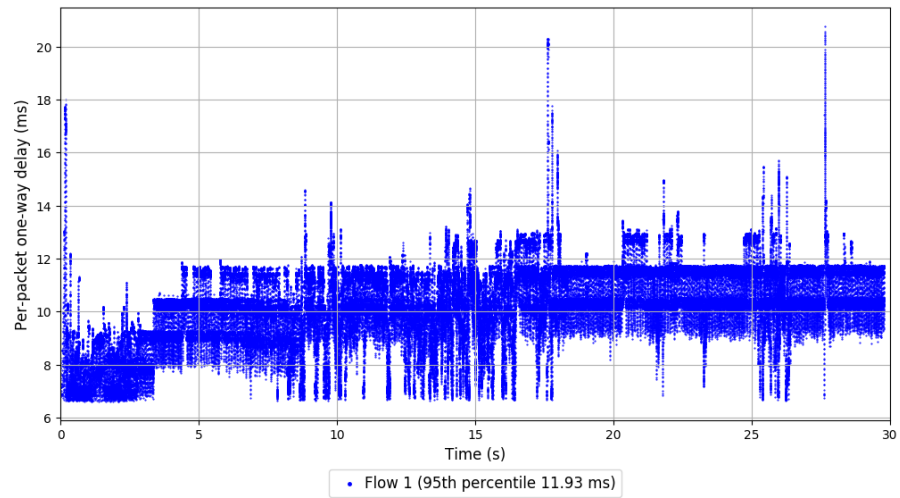
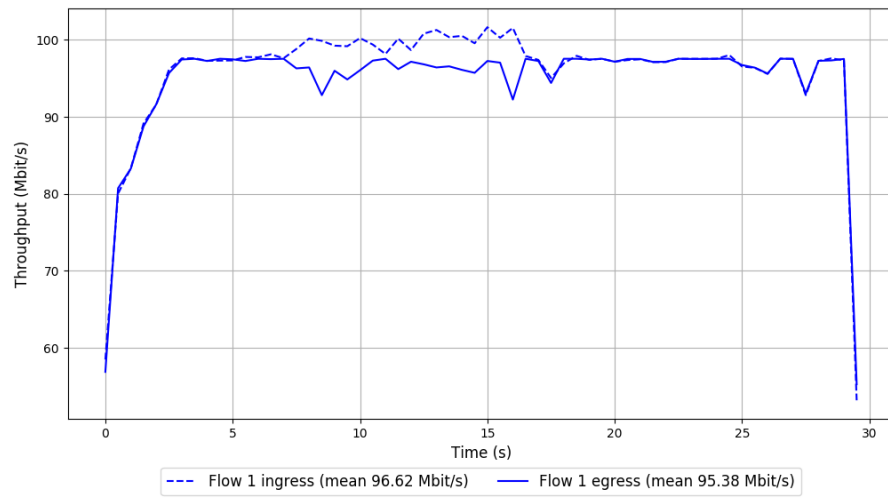


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 12:44:35
End at: 2017-09-21 12:45:05
Local clock offset: 1.719 ms
Remote clock offset: -2.512 ms

# Below is generated by plot.py at 2017-09-21 16:37:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 11.930 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 11.930 ms
Loss rate: 1.27%
```


Run 1: Report of Indigo-calib — Data Link



Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 13:01:45

End at: 2017-09-21 13:02:15

Local clock offset: 1.076 ms

Remote clock offset: -1.891 ms

Below is generated by plot.py at 2017-09-21 16:37:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 13.705 ms

Loss rate: 0.01%

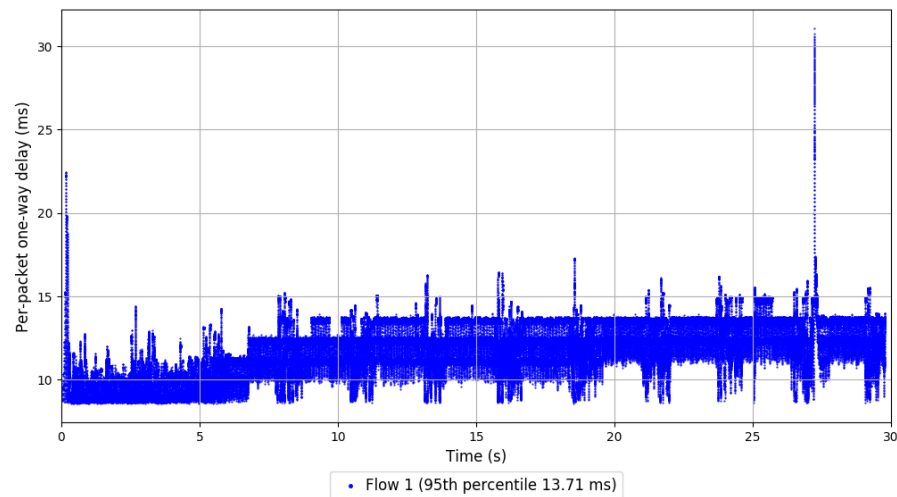
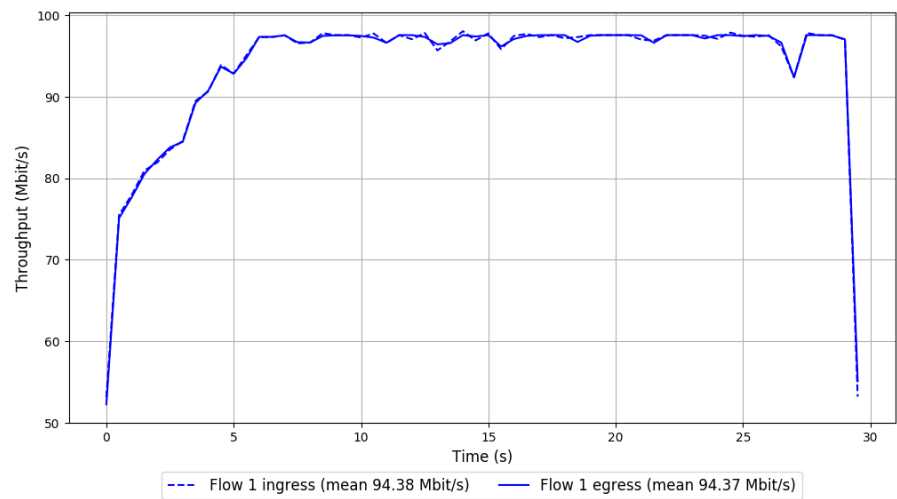
-- Flow 1:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 13.705 ms

Loss rate: 0.01%

Run 2: Report of Indigo-calib — Data Link



Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 13:21:40

End at: 2017-09-21 13:22:10

Local clock offset: 2.273 ms

Remote clock offset: -2.484 ms

Below is generated by plot.py at 2017-09-21 16:37:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.40 Mbit/s

95th percentile per-packet one-way delay: 10.564 ms

Loss rate: 4.55%

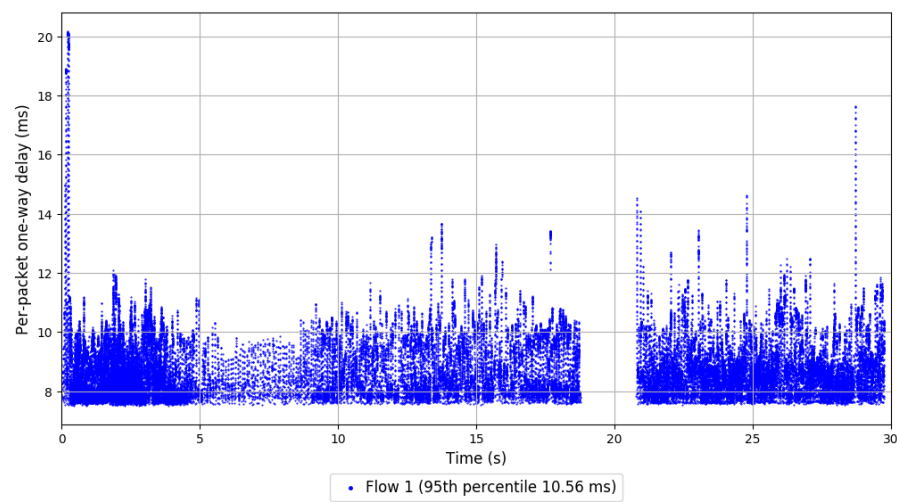
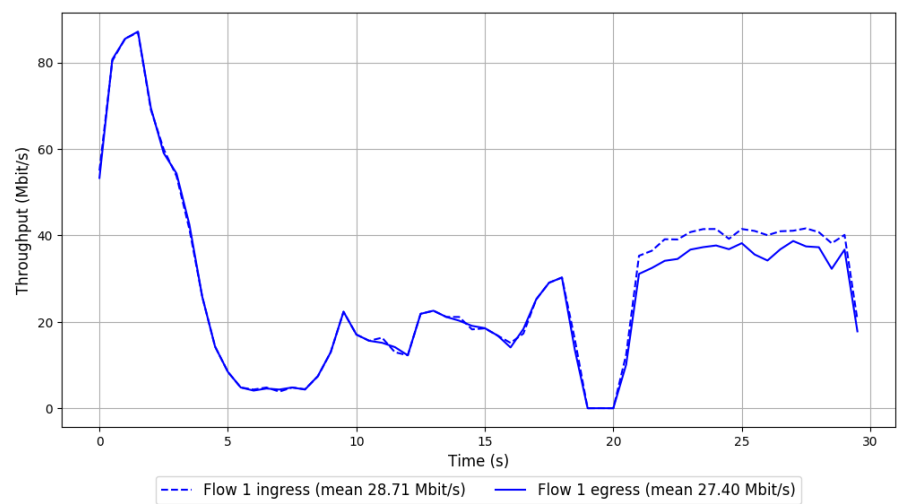
-- Flow 1:

Average throughput: 27.40 Mbit/s

95th percentile per-packet one-way delay: 10.564 ms

Loss rate: 4.55%

Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

Start at: 2017-09-21 13:41:56

End at: 2017-09-21 13:42:26

Local clock offset: 3.278 ms

Remote clock offset: -1.319 ms

Below is generated by plot.py at 2017-09-21 16:38:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 12.881 ms

Loss rate: 0.00%

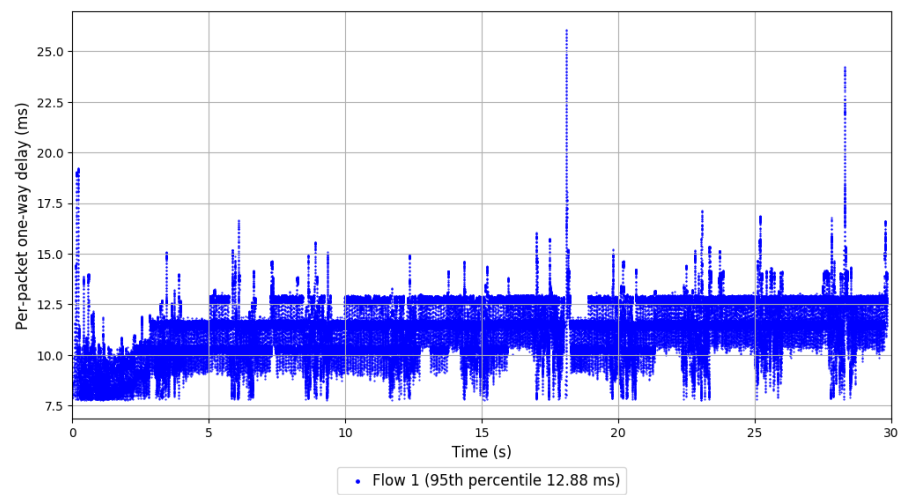
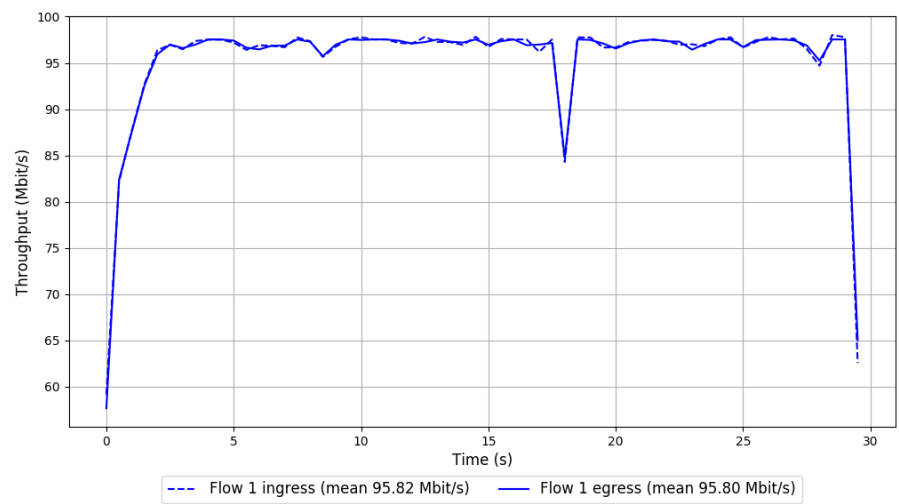
-- Flow 1:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 12.881 ms

Loss rate: 0.00%

Run 4: Report of Indigo-calib — Data Link



Run 5: Statistics of Indigo-calib

Start at: 2017-09-21 14:01:32

End at: 2017-09-21 14:02:02

Local clock offset: 2.236 ms

Remote clock offset: -2.506 ms

Below is generated by plot.py at 2017-09-21 16:38:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 12.560 ms

Loss rate: 0.00%

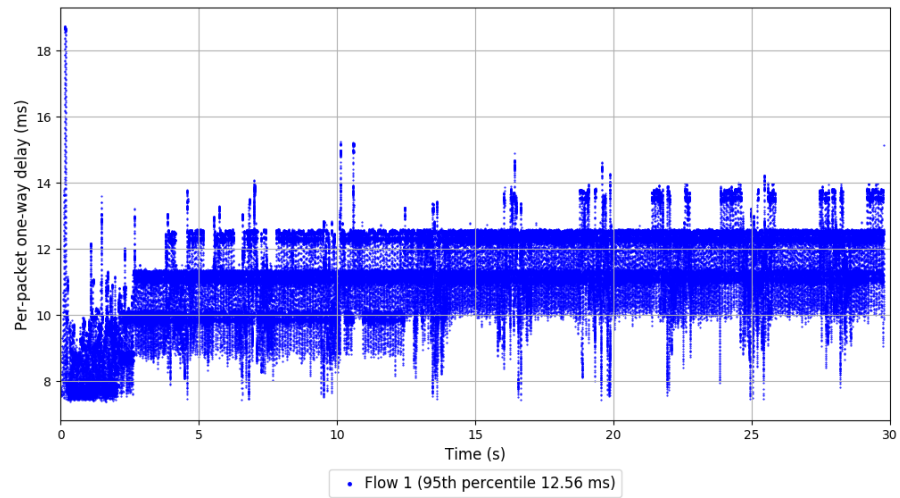
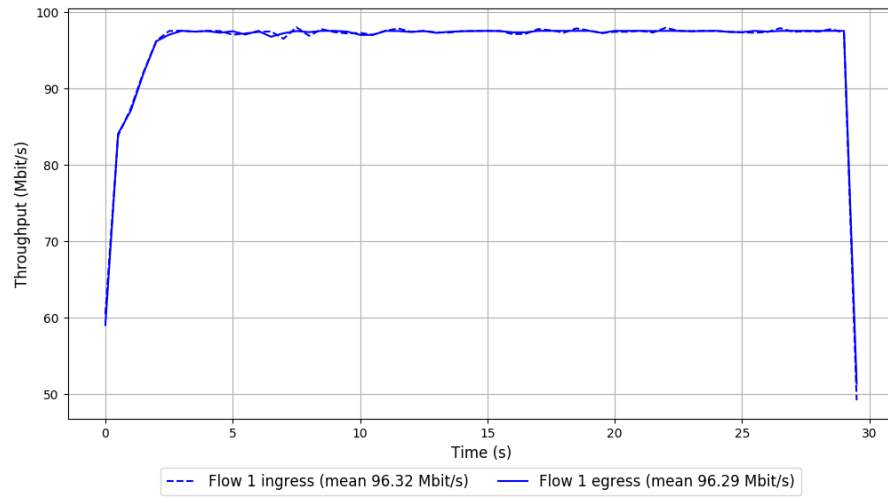
-- Flow 1:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 12.560 ms

Loss rate: 0.00%

Run 5: Report of Indigo-calib — Data Link



Run 6: Statistics of Indigo-calib

Start at: 2017-09-21 14:19:42

End at: 2017-09-21 14:20:12

Local clock offset: -0.07 ms

Remote clock offset: -1.316 ms

Below is generated by plot.py at 2017-09-21 16:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 15.602 ms

Loss rate: 0.06%

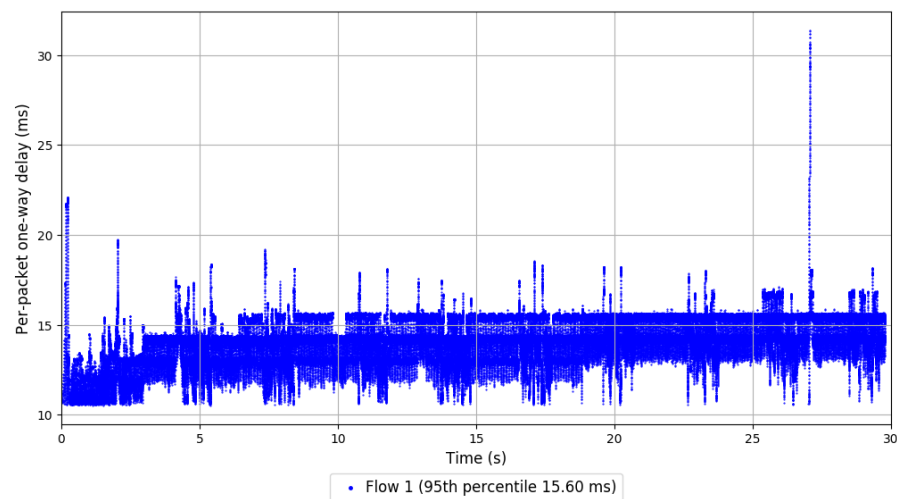
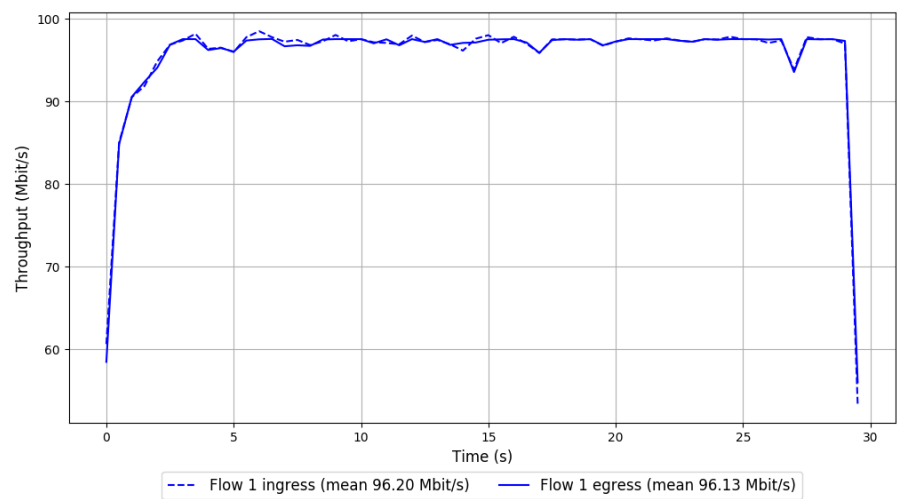
-- Flow 1:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 15.602 ms

Loss rate: 0.06%

Run 6: Report of Indigo-calib — Data Link

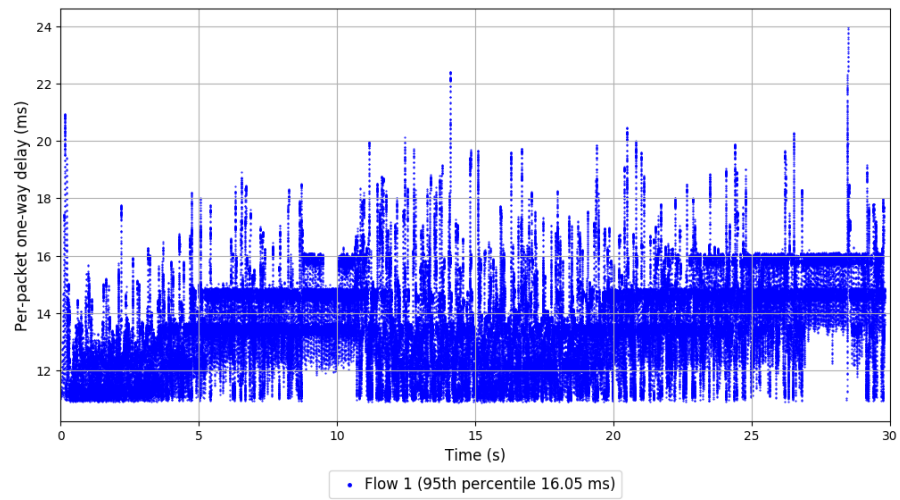
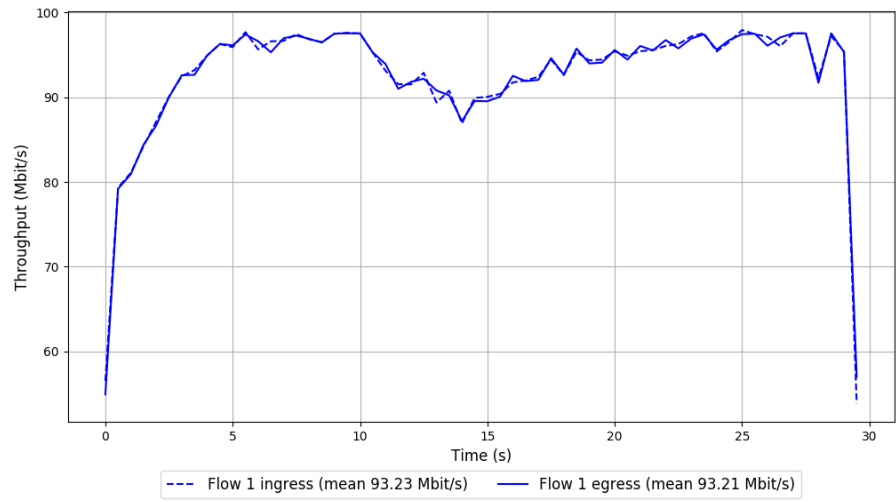


Run 7: Statistics of Indigo-calib

Start at: 2017-09-21 14:41:04
End at: 2017-09-21 14:41:34
Local clock offset: -1.317 ms
Remote clock offset: -1.439 ms

Below is generated by plot.py at 2017-09-21 16:38:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 16.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 16.052 ms
Loss rate: 0.00%

Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

Start at: 2017-09-21 15:16:28

End at: 2017-09-21 15:16:58

Local clock offset: 0.191 ms

Remote clock offset: -2.063 ms

Below is generated by plot.py at 2017-09-21 16:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 13.078 ms

Loss rate: 0.00%

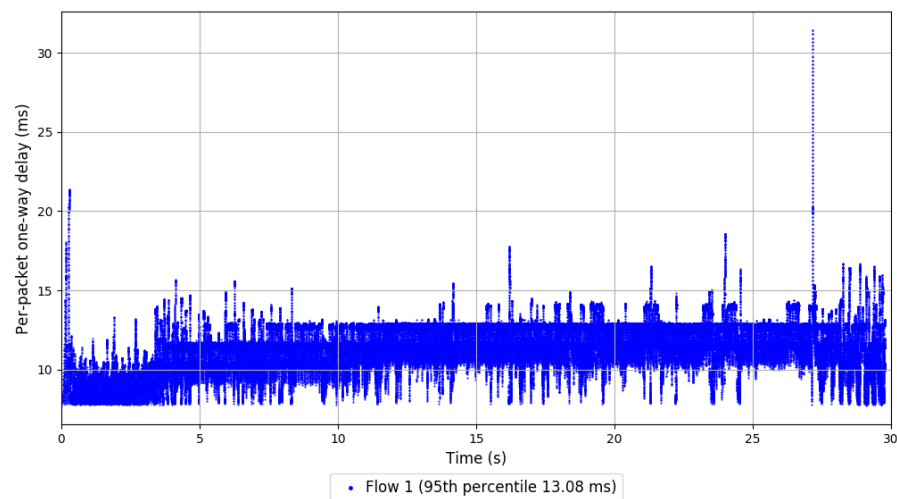
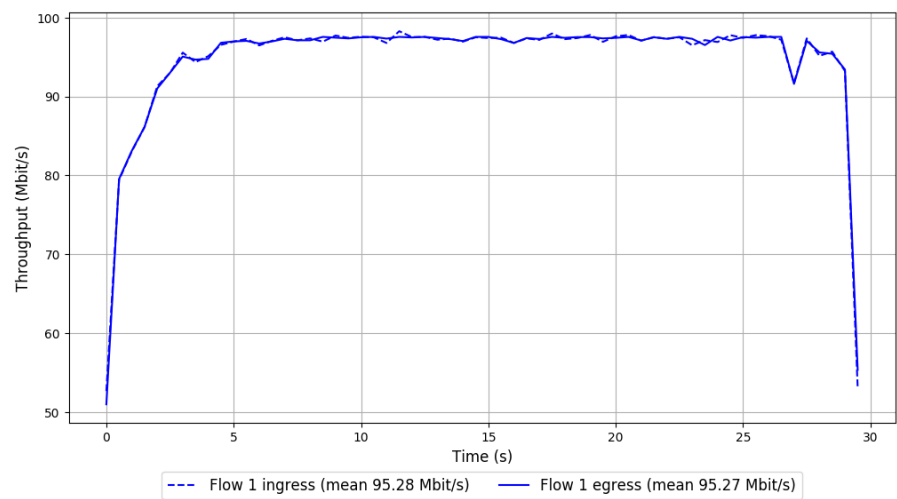
-- Flow 1:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 13.078 ms

Loss rate: 0.00%

Run 8: Report of Indigo-calib — Data Link



Run 9: Statistics of Indigo-calib

Start at: 2017-09-21 15:37:53

End at: 2017-09-21 15:38:23

Local clock offset: 0.949 ms

Remote clock offset: -1.605 ms

Below is generated by plot.py at 2017-09-21 16:38:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 12.106 ms

Loss rate: 0.00%

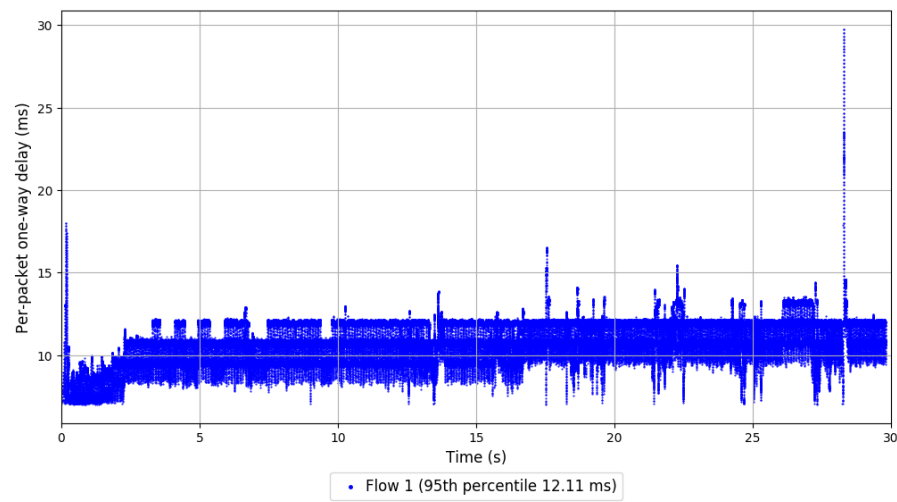
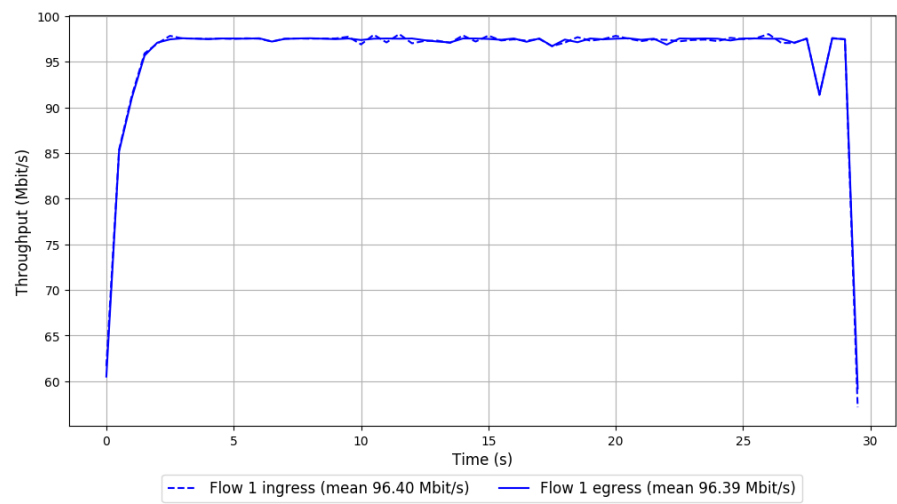
-- Flow 1:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 12.106 ms

Loss rate: 0.00%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-09-21 15:56:33

End at: 2017-09-21 15:57:03

Local clock offset: 0.309 ms

Remote clock offset: -2.168 ms

Below is generated by plot.py at 2017-09-21 16:38:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 11.809 ms

Loss rate: 0.01%

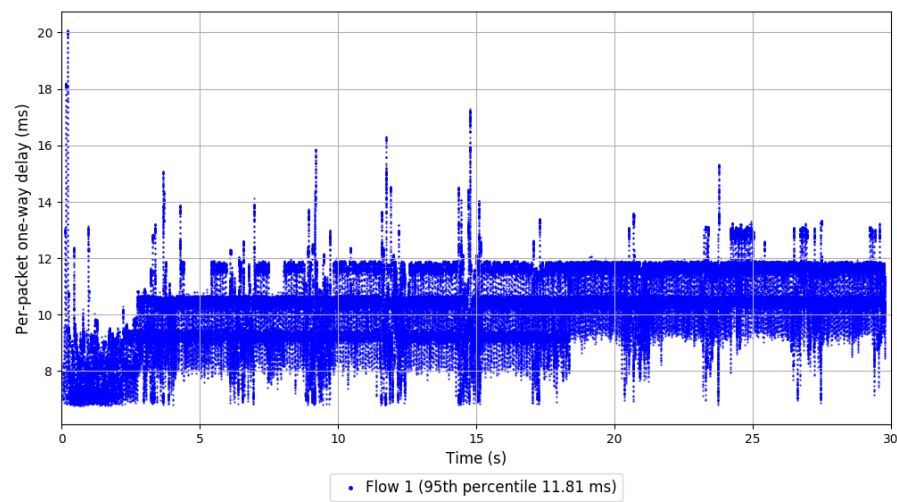
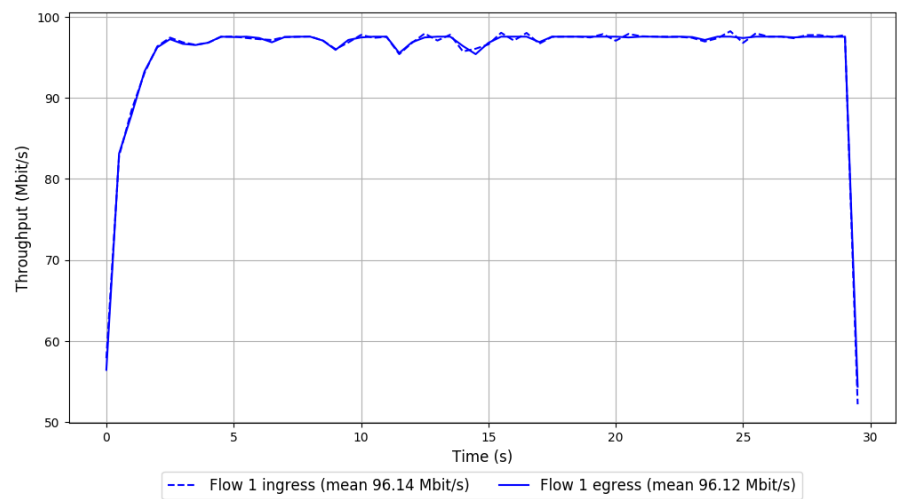
-- Flow 1:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 11.809 ms

Loss rate: 0.01%

Run 10: Report of Indigo-calib — Data Link

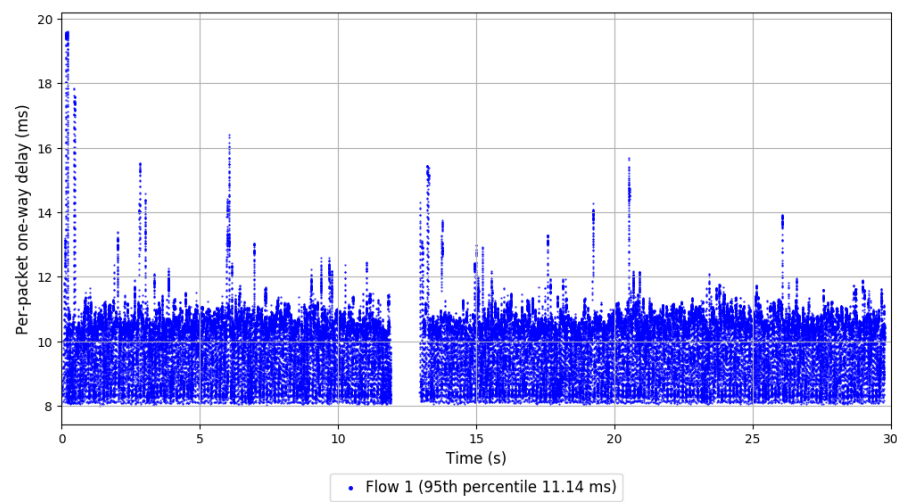
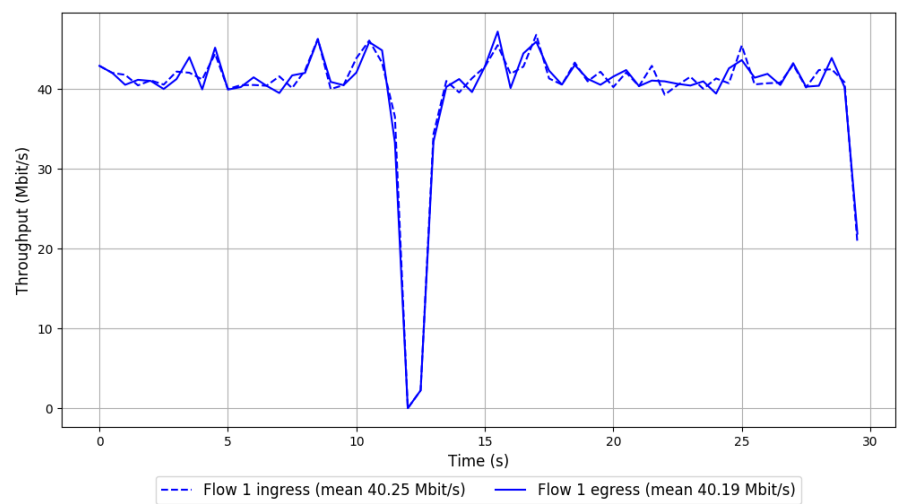


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 12:27:05
End at: 2017-09-21 12:27:35
Local clock offset: -0.399 ms
Remote clock offset: -2.684 ms

# Below is generated by plot.py at 2017-09-21 16:38:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 11.138 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 11.138 ms
Loss rate: 0.15%
```

Run 1: Report of Indigo-delay — Data Link

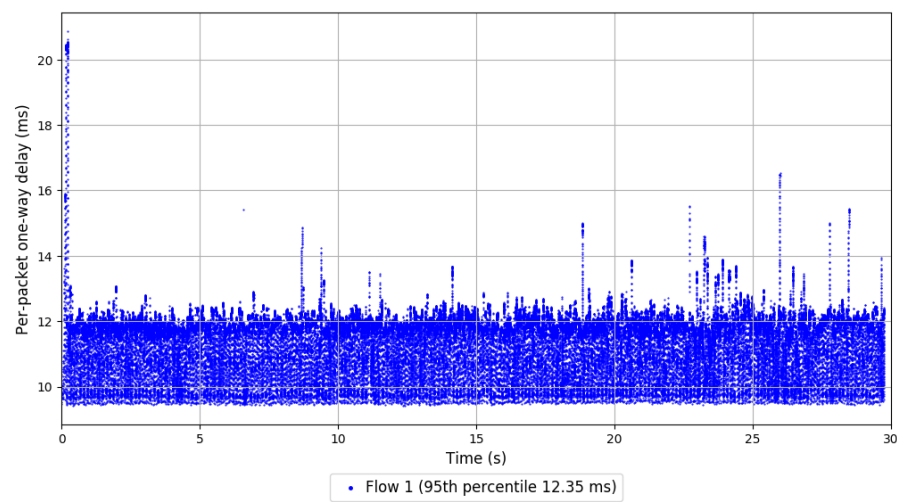
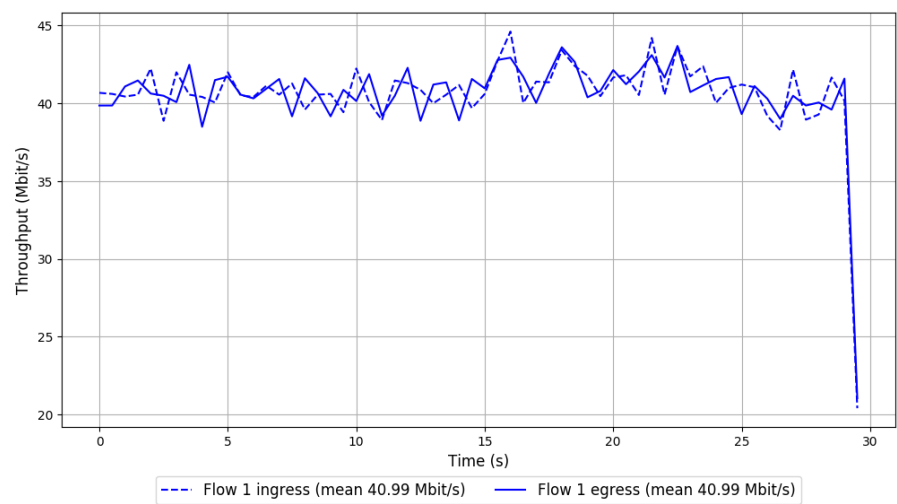


```
Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 12:51:33
End at: 2017-09-21 12:52:03
Local clock offset: -0.365 ms
Remote clock offset: -2.134 ms

# Below is generated by plot.py at 2017-09-21 16:38:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 12.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 12.350 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-delay — Data Link

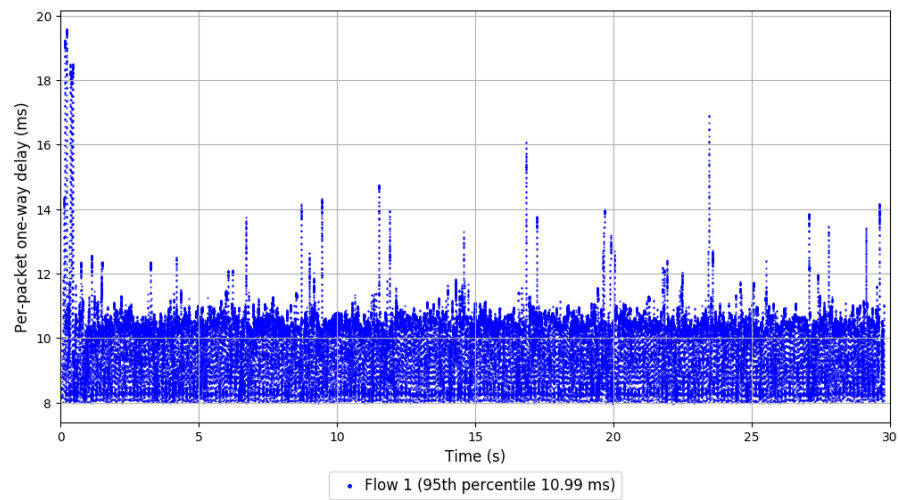
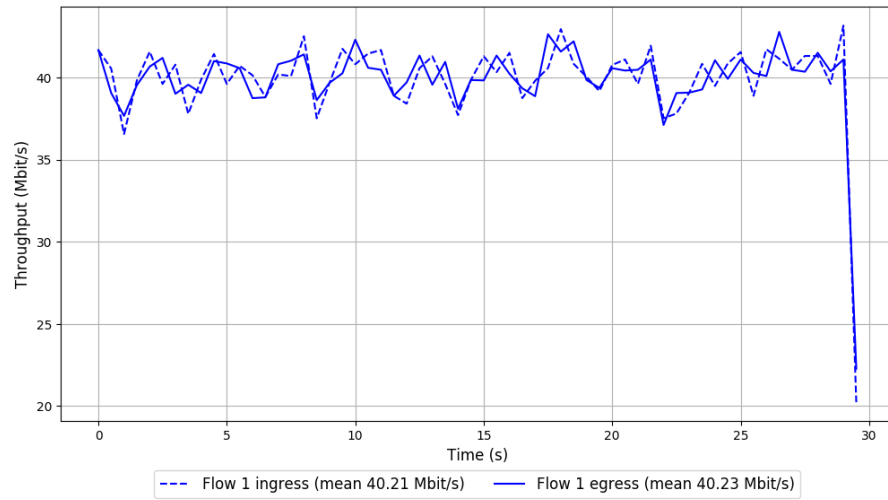


Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 13:10:46
End at: 2017-09-21 13:11:16
Local clock offset: 2.376 ms
Remote clock offset: -1.505 ms

Below is generated by plot.py at 2017-09-21 16:38:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 10.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 10.993 ms
Loss rate: 0.00%

Run 3: Report of Indigo-delay — Data Link

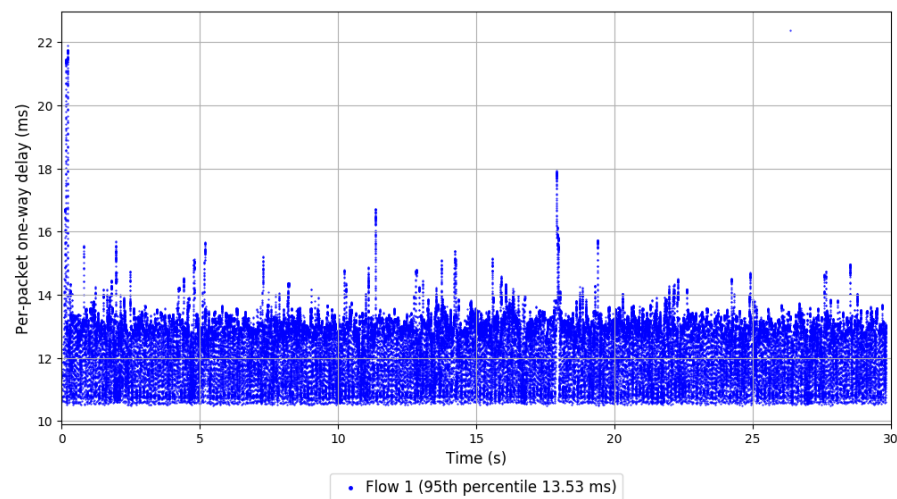
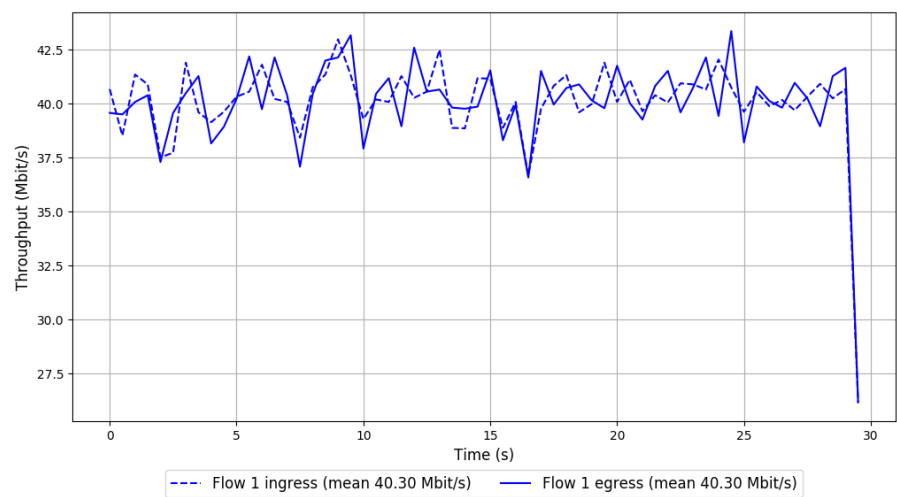


Run 4: Statistics of Indigo-delay

Start at: 2017-09-21 13:29:45
End at: 2017-09-21 13:30:15
Local clock offset: 0.275 ms
Remote clock offset: -1.817 ms

Below is generated by plot.py at 2017-09-21 16:38:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 13.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 13.526 ms
Loss rate: 0.00%

Run 4: Report of Indigo-delay — Data Link



Run 5: Statistics of Indigo-delay

Start at: 2017-09-21 13:50:31

End at: 2017-09-21 13:51:01

Local clock offset: -0.089 ms

Remote clock offset: -1.6 ms

Below is generated by plot.py at 2017-09-21 16:39:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.27 Mbit/s

95th percentile per-packet one-way delay: 13.885 ms

Loss rate: 0.00%

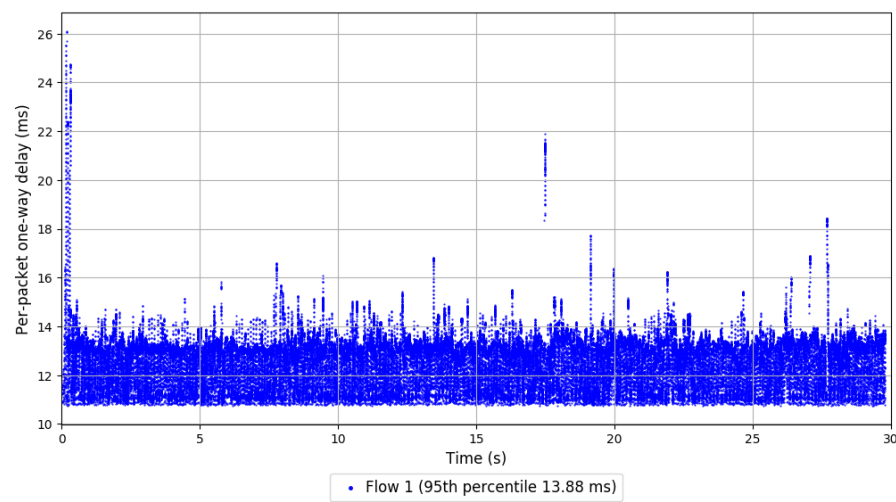
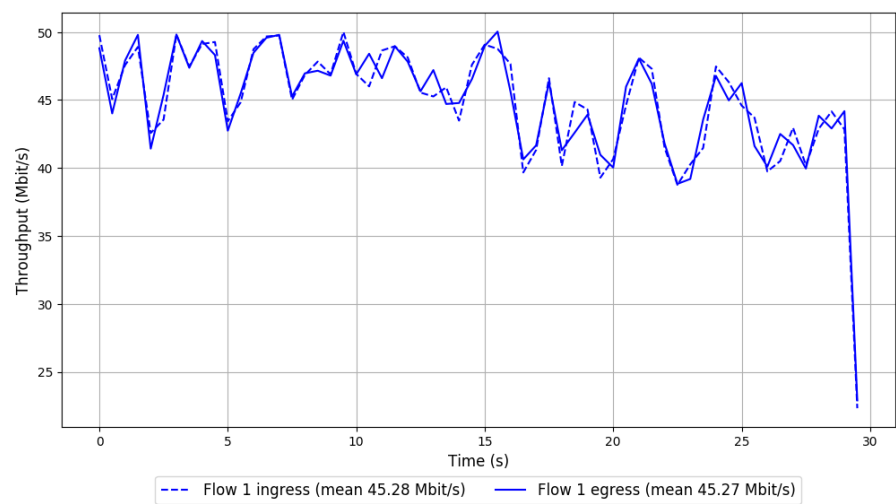
-- Flow 1:

Average throughput: 45.27 Mbit/s

95th percentile per-packet one-way delay: 13.885 ms

Loss rate: 0.00%

Run 5: Report of Indigo-delay — Data Link

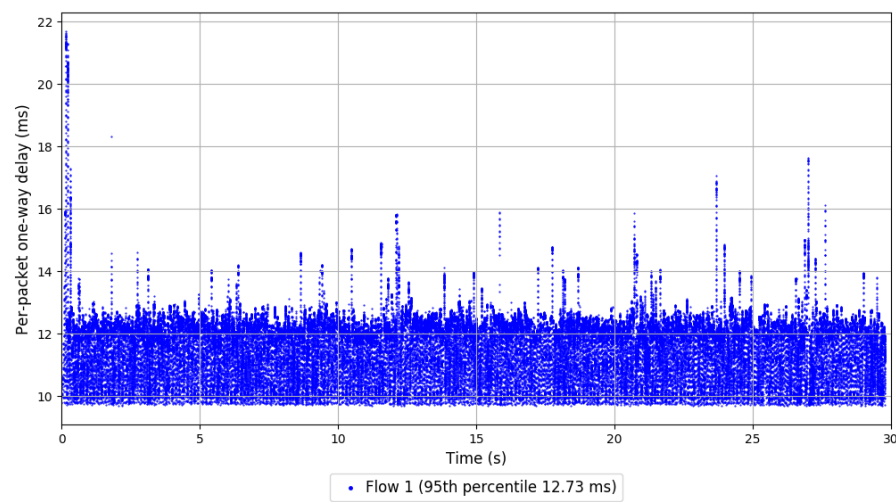
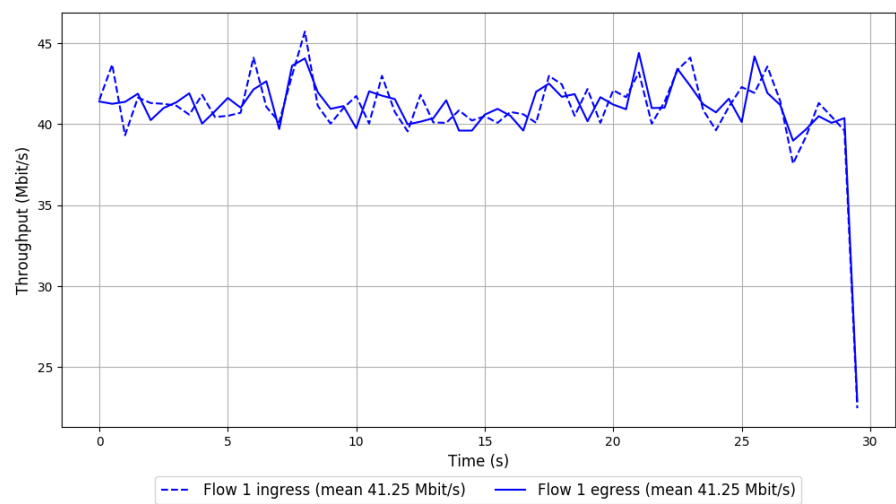


Run 6: Statistics of Indigo-delay

Start at: 2017-09-21 14:09:21
End at: 2017-09-21 14:09:51
Local clock offset: 0.285 ms
Remote clock offset: -2.102 ms

Below is generated by plot.py at 2017-09-21 16:39:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 12.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 12.734 ms
Loss rate: 0.00%

Run 6: Report of Indigo-delay — Data Link

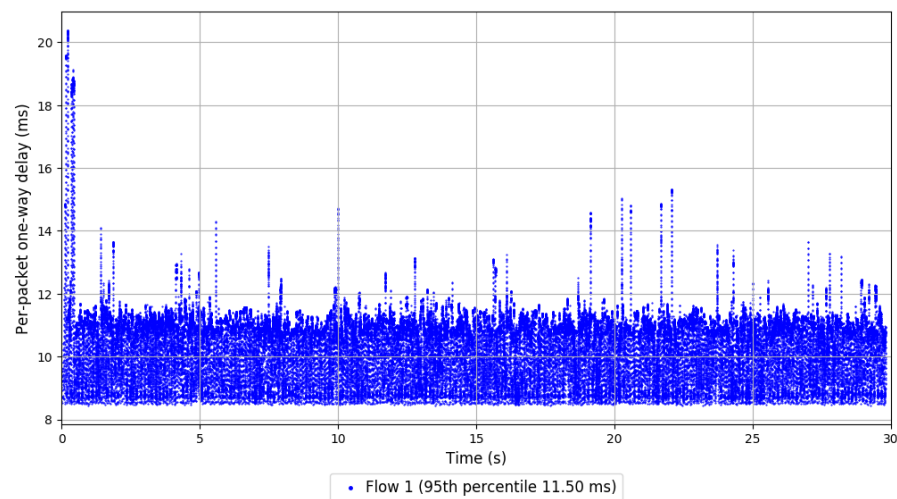
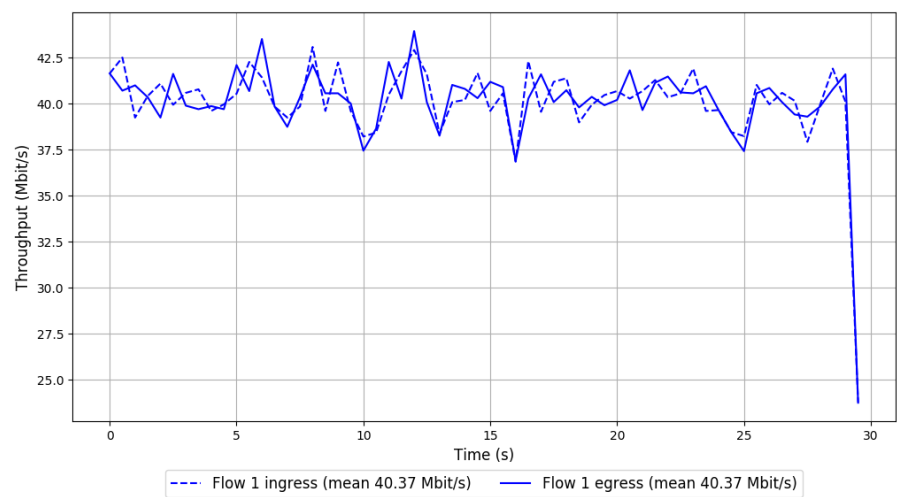


Run 7: Statistics of Indigo-delay

Start at: 2017-09-21 14:28:00
End at: 2017-09-21 14:28:30
Local clock offset: 1.405 ms
Remote clock offset: -1.671 ms

Below is generated by plot.py at 2017-09-21 16:39:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 11.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 11.498 ms
Loss rate: 0.00%

Run 7: Report of Indigo-delay — Data Link

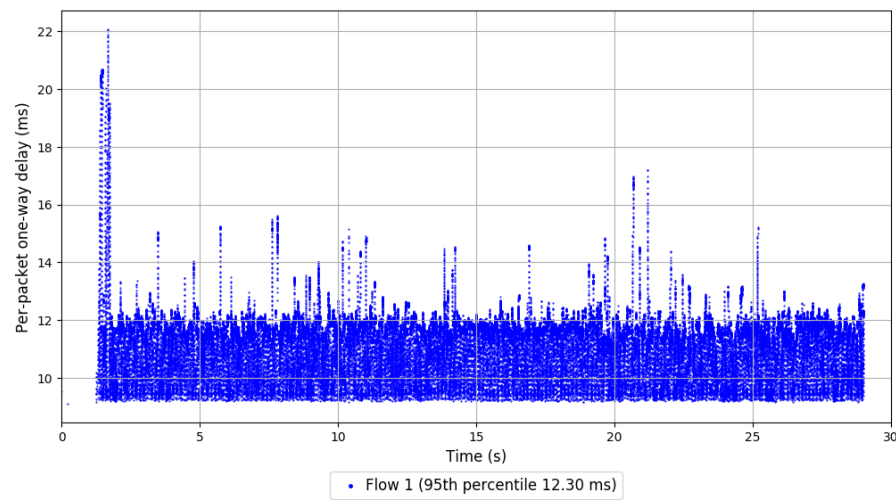
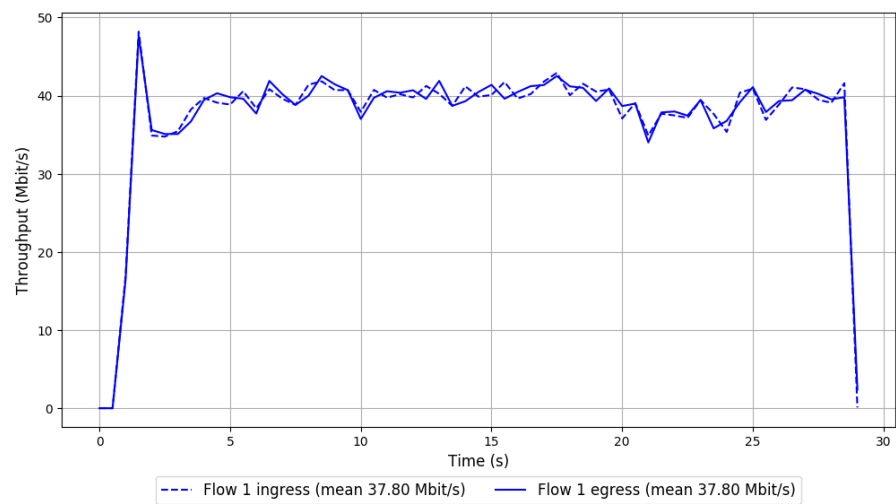


Run 8: Statistics of Indigo-delay

Start at: 2017-09-21 14:58:04
End at: 2017-09-21 14:58:34
Local clock offset: -0.597 ms
Remote clock offset: -2.039 ms

Below is generated by plot.py at 2017-09-21 16:39:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 12.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 12.298 ms
Loss rate: 0.00%

Run 8: Report of Indigo-delay — Data Link

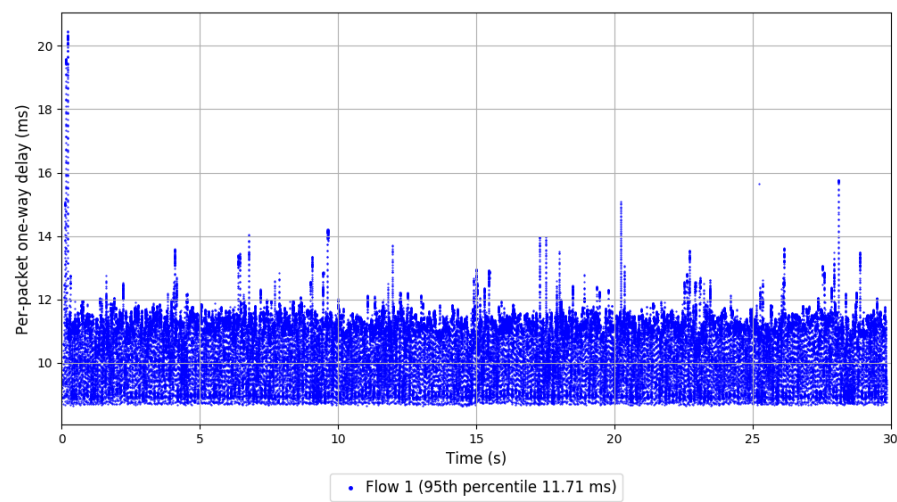
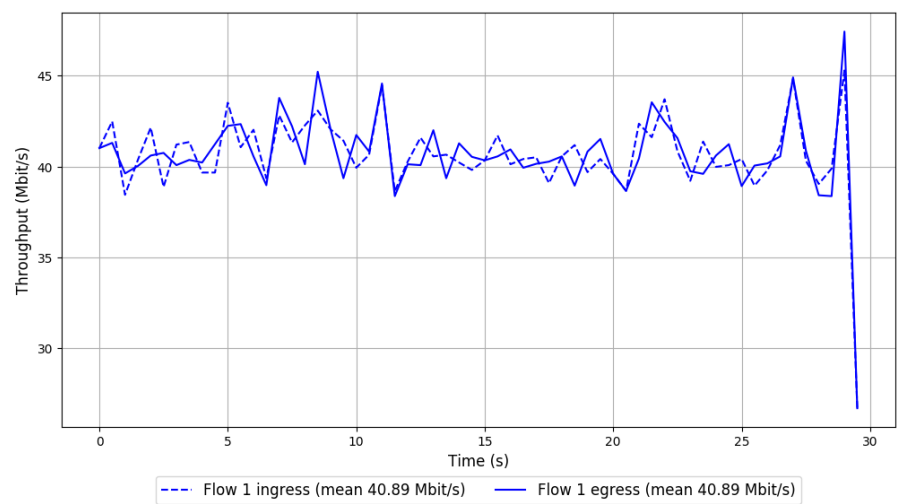


Run 9: Statistics of Indigo-delay

Start at: 2017-09-21 15:27:31
End at: 2017-09-21 15:28:01
Local clock offset: -1.068 ms
Remote clock offset: -2.173 ms

Below is generated by plot.py at 2017-09-21 16:39:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 11.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 11.711 ms
Loss rate: 0.00%

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-21 15:45:47
End at: 2017-09-21 15:46:17
Local clock offset: -0.088 ms
Remote clock offset: -2.367 ms

Below is generated by plot.py at 2017-09-21 16:39:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.84 Mbit/s
95th percentile per-packet one-way delay: 10.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.84 Mbit/s
95th percentile per-packet one-way delay: 10.168 ms
Loss rate: 0.00%

Run 10: Report of Indigo-delay — Data Link

