

Pantheon Report

Generated at 2018-01-16 17:38:09 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

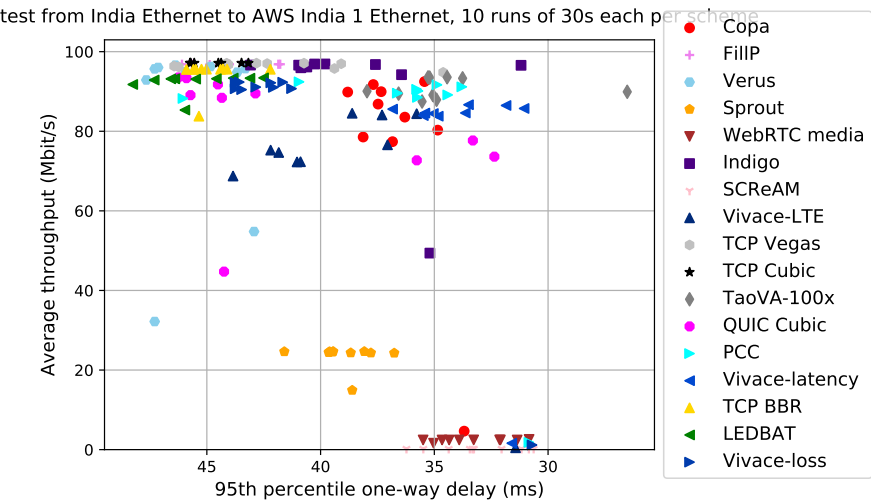
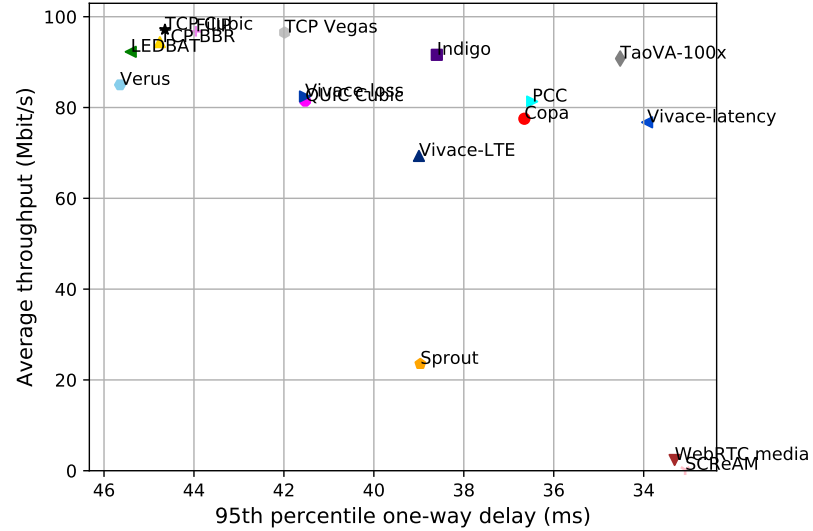
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

Git summary:

```
branch: master @ af8abdfba95588b0c5f2aeca9e856a1656b0c598
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.41	44.76	0.14
TCP Cubic	7	97.15	44.65	0.12
LEDBAT	10	92.27	45.41	0.13
PCC	10	81.32	36.48	0.10
QUIC Cubic	10	81.44	41.53	0.11
SCReAM	10	0.21	33.08	0.10
WebRTC media	10	2.37	33.31	0.08
Sprout	10	23.54	38.97	0.10
TaoVA-100x	10	90.78	34.52	0.10
TCP Vegas	10	96.51	41.99	0.09
Verus	10	85.00	45.64	0.14
Copa	10	77.53	36.65	0.10
FillP	8	96.79	43.96	0.12
Indigo	10	91.61	38.60	0.11
Vivace-latency	10	76.74	33.92	0.08
Vivace-loss	10	82.43	41.53	0.23
Vivace-LTE	10	69.34	39.00	0.09

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 10:12:05

End at: 2018-01-16 10:12:35

Local clock offset: -3.603 ms

Remote clock offset: -14.6 ms

Below is generated by plot.py at 2018-01-16 17:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.79 Mbit/s

95th percentile per-packet one-way delay: 45.349 ms

Loss rate: 0.28%

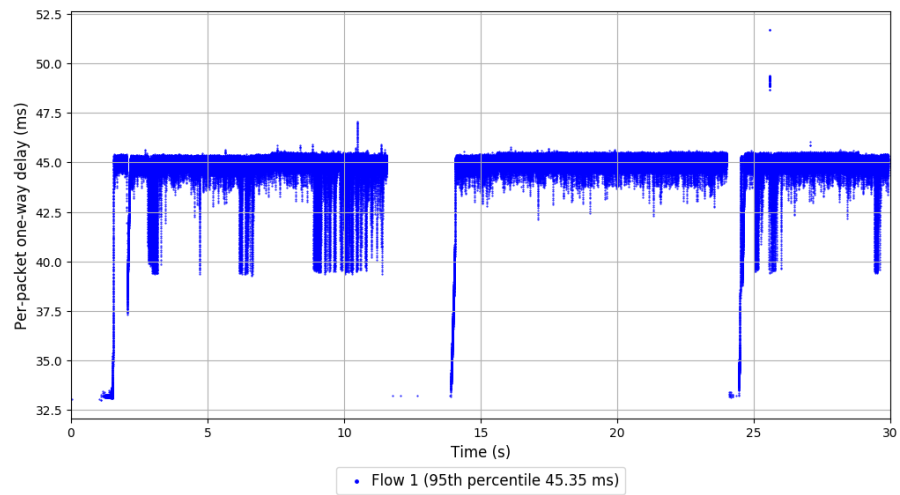
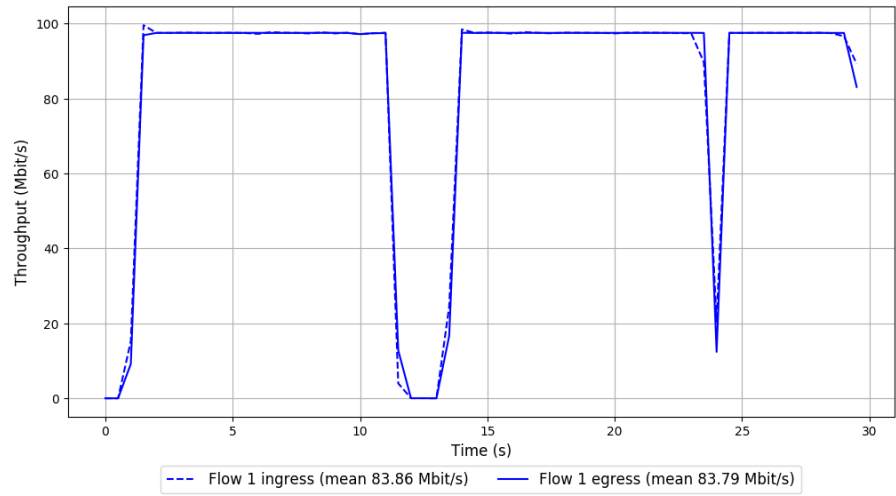
-- Flow 1:

Average throughput: 83.79 Mbit/s

95th percentile per-packet one-way delay: 45.349 ms

Loss rate: 0.28%

Run 1: Report of TCP BBR — Data Link

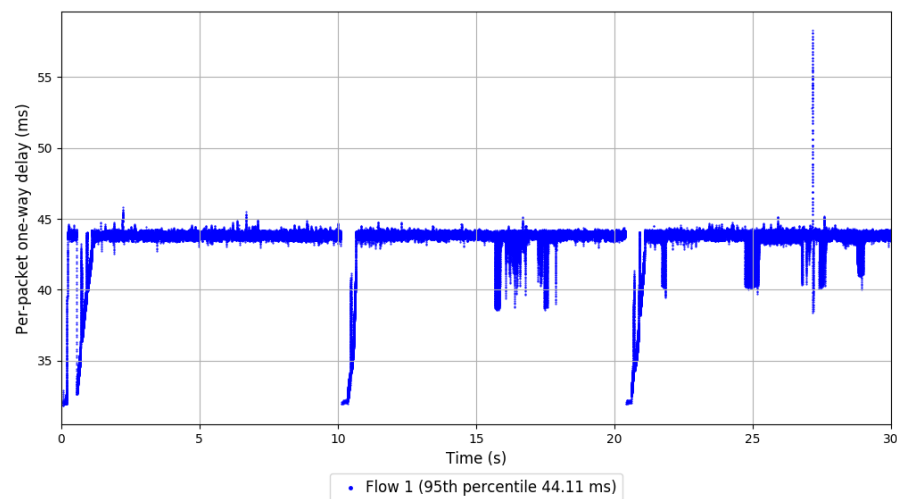
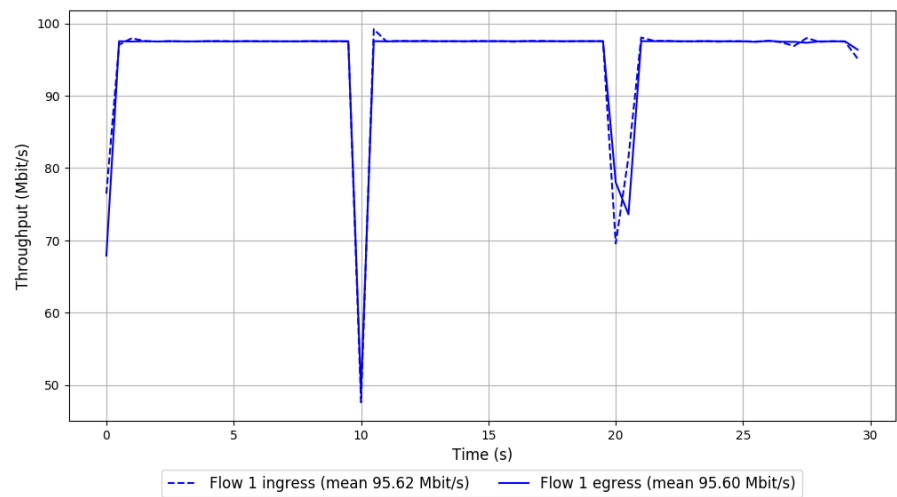


Run 2: Statistics of TCP BBR

Start at: 2018-01-16 10:35:47
End at: 2018-01-16 10:36:17
Local clock offset: -3.091 ms
Remote clock offset: -13.496 ms

Below is generated by plot.py at 2018-01-16 17:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 44.112 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 44.112 ms
Loss rate: 0.13%

Run 2: Report of TCP BBR — Data Link

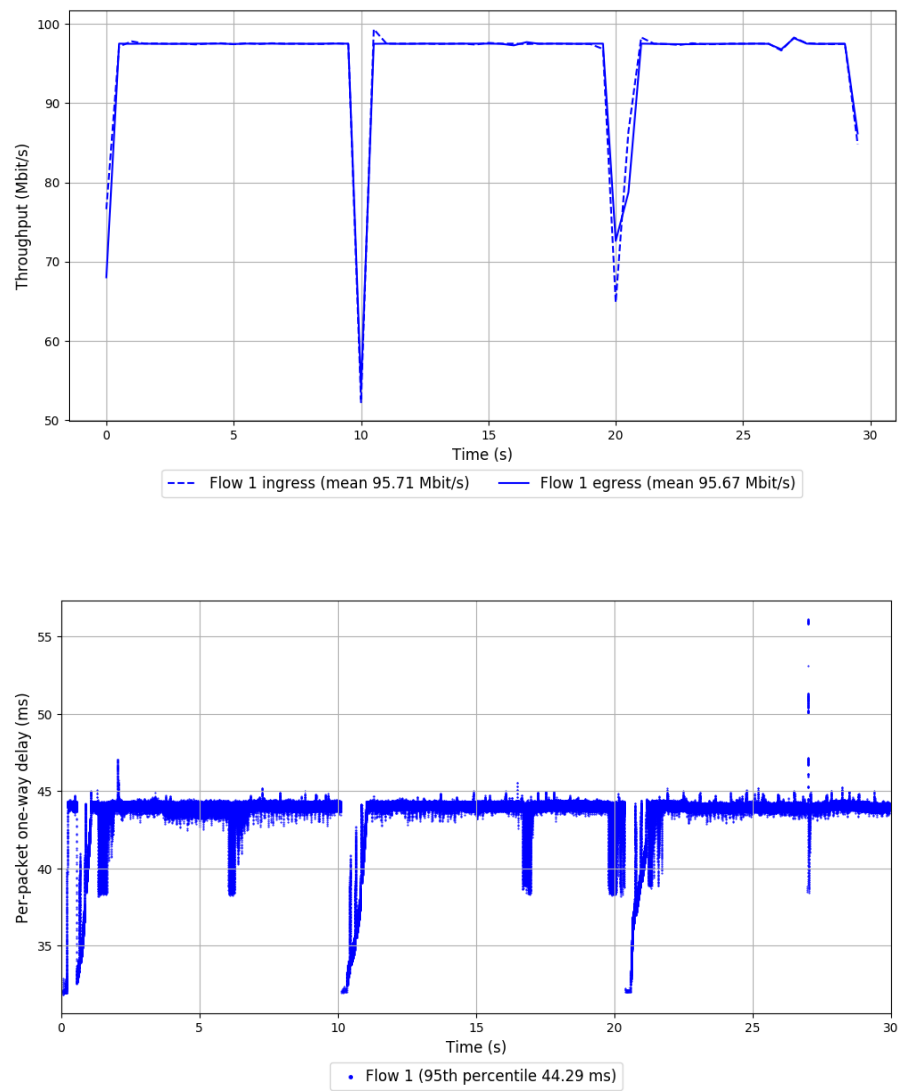


Run 3: Statistics of TCP BBR

Start at: 2018-01-16 10:57:08
End at: 2018-01-16 10:57:38
Local clock offset: -4.154 ms
Remote clock offset: -13.896 ms

Below is generated by plot.py at 2018-01-16 17:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 44.292 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 44.292 ms
Loss rate: 0.13%

Run 3: Report of TCP BBR — Data Link

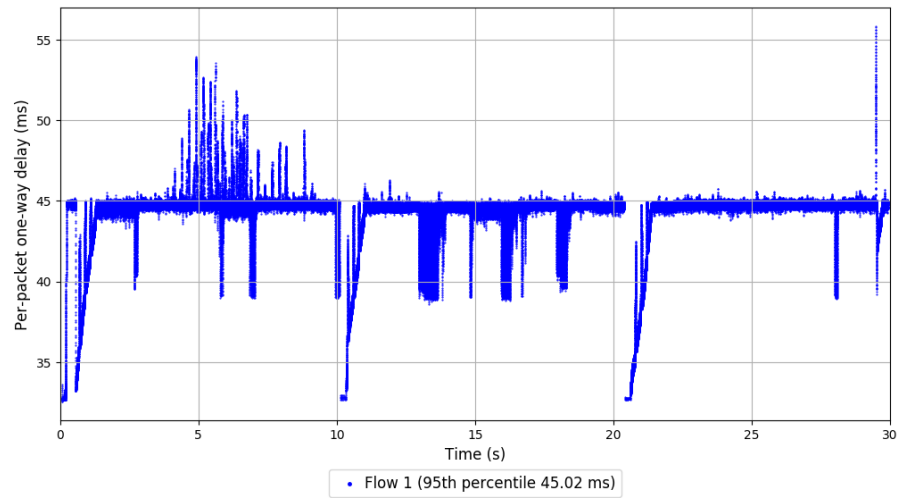
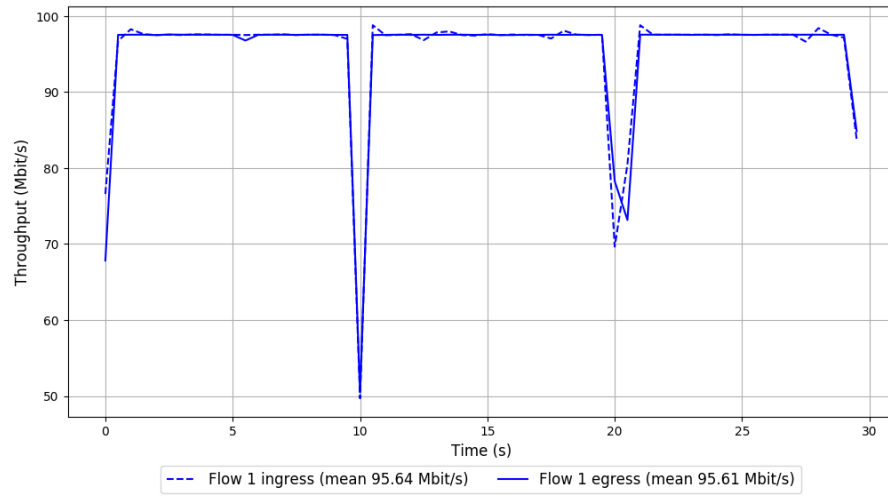


Run 4: Statistics of TCP BBR

Start at: 2018-01-16 11:18:21
End at: 2018-01-16 11:18:51
Local clock offset: -2.56 ms
Remote clock offset: -12.405 ms

Below is generated by plot.py at 2018-01-16 17:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 45.018 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 45.018 ms
Loss rate: 0.14%

Run 4: Report of TCP BBR — Data Link

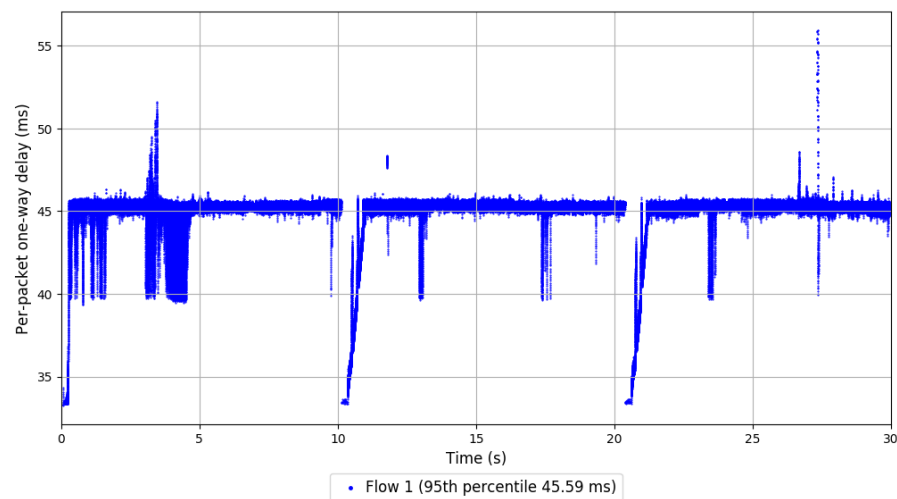
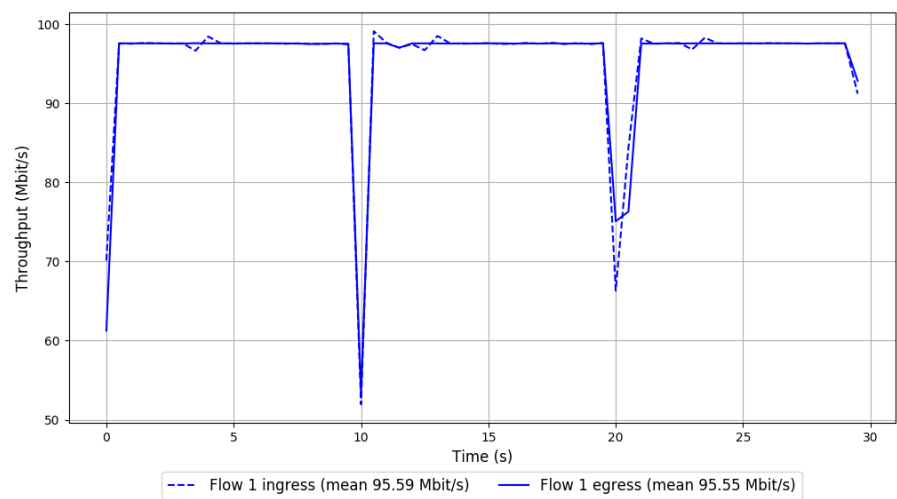


Run 5: Statistics of TCP BBR

Start at: 2018-01-16 11:40:14
End at: 2018-01-16 11:40:44
Local clock offset: -1.041 ms
Remote clock offset: -11.716 ms

Below is generated by plot.py at 2018-01-16 17:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 45.589 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 45.589 ms
Loss rate: 0.13%

Run 5: Report of TCP BBR — Data Link

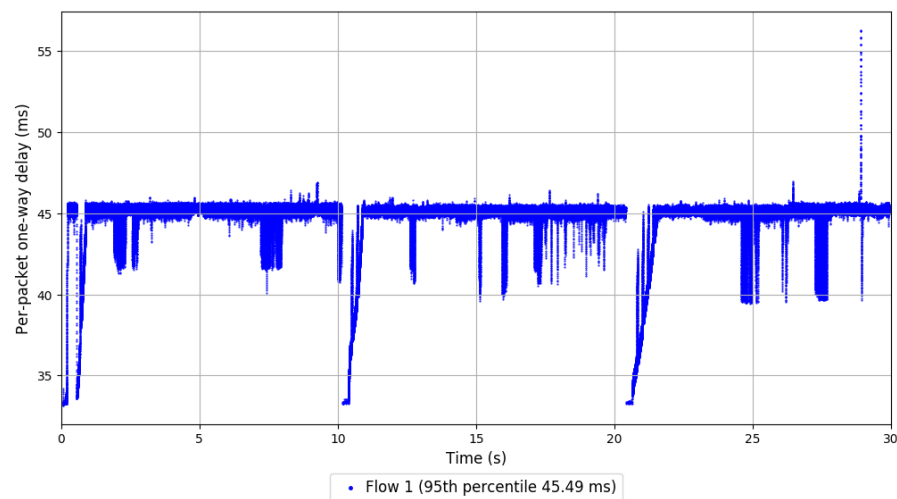
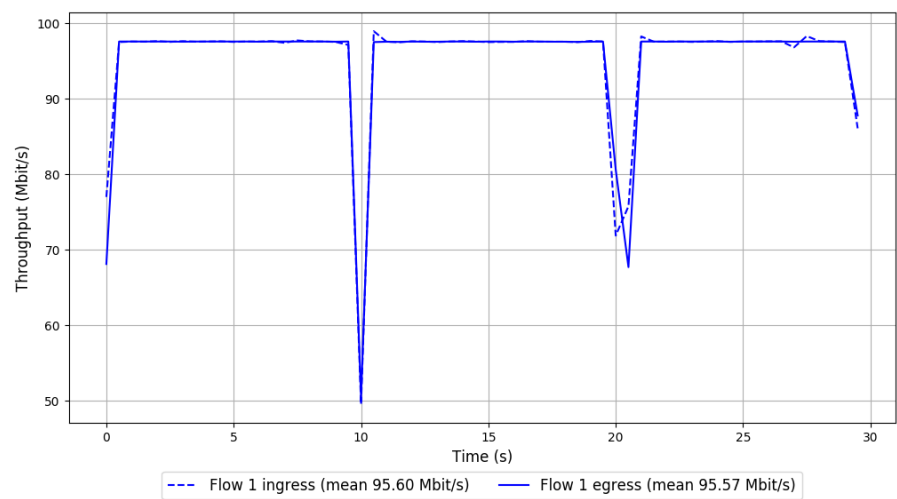


Run 6: Statistics of TCP BBR

Start at: 2018-01-16 12:01:32
End at: 2018-01-16 12:02:02
Local clock offset: -2.145 ms
Remote clock offset: -13.565 ms

Below is generated by plot.py at 2018-01-16 17:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 45.486 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 45.486 ms
Loss rate: 0.12%

Run 6: Report of TCP BBR — Data Link

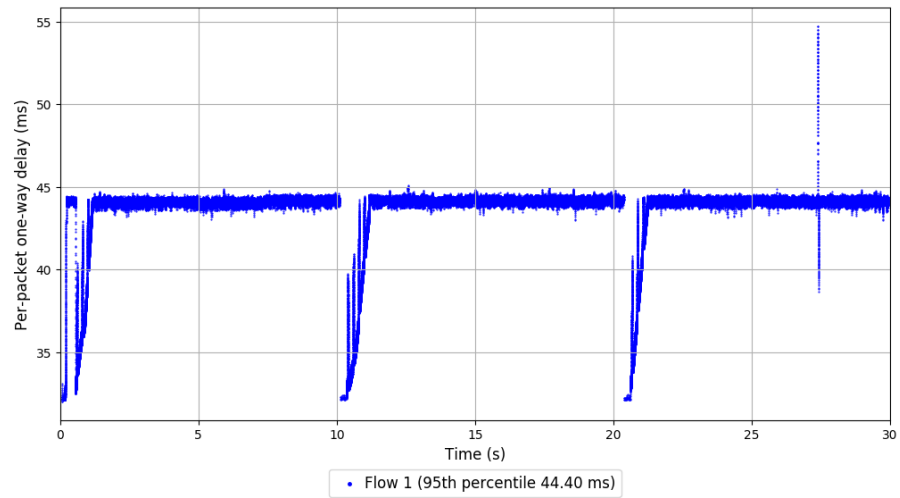
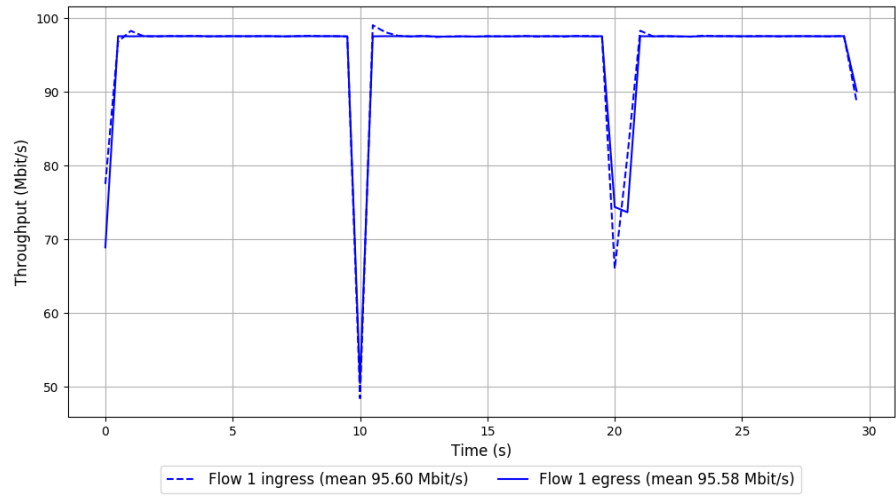


Run 7: Statistics of TCP BBR

Start at: 2018-01-16 12:22:40
End at: 2018-01-16 12:23:10
Local clock offset: 0.804 ms
Remote clock offset: -10.501 ms

Below is generated by plot.py at 2018-01-16 17:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 44.399 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 44.399 ms
Loss rate: 0.12%

Run 7: Report of TCP BBR — Data Link

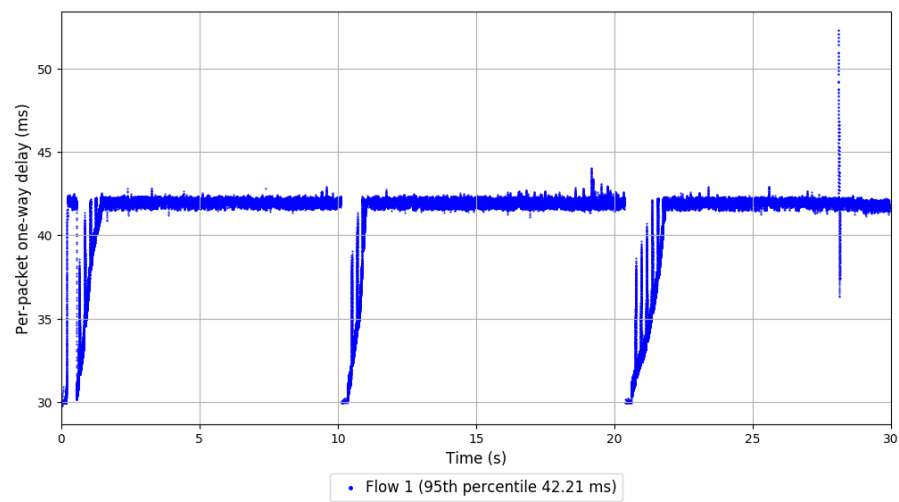
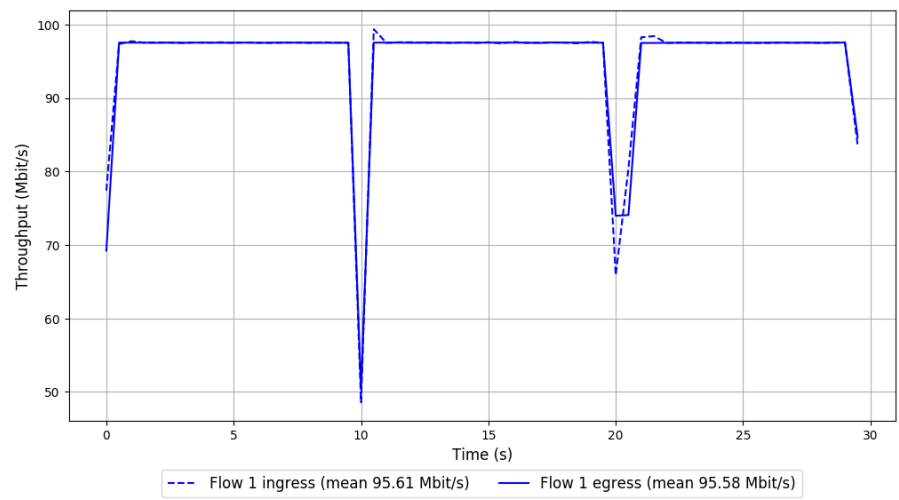


Run 8: Statistics of TCP BBR

Start at: 2018-01-16 12:43:39
End at: 2018-01-16 12:44:09
Local clock offset: -1.844 ms
Remote clock offset: -12.998 ms

Below is generated by plot.py at 2018-01-16 17:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 42.210 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 42.210 ms
Loss rate: 0.12%

Run 8: Report of TCP BBR — Data Link

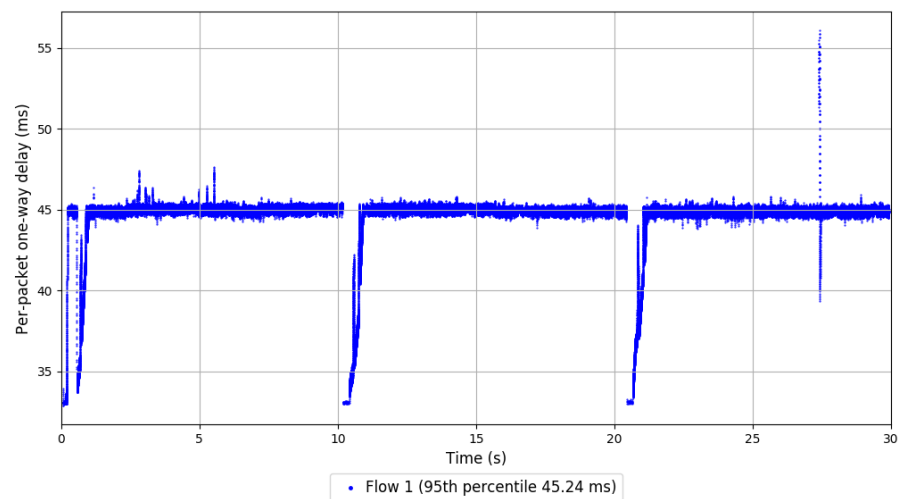
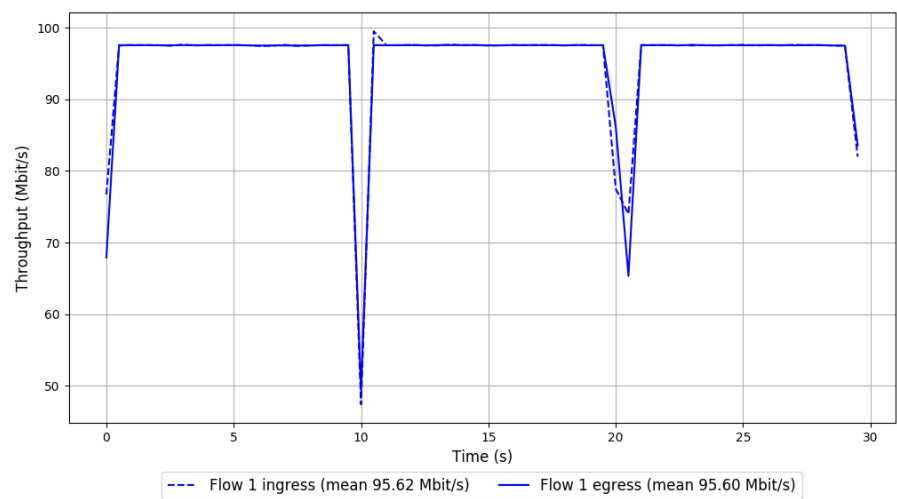


Run 9: Statistics of TCP BBR

Start at: 2018-01-16 13:04:45
End at: 2018-01-16 13:05:15
Local clock offset: 1.019 ms
Remote clock offset: -13.985 ms

Below is generated by plot.py at 2018-01-16 17:12:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 45.236 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 45.236 ms
Loss rate: 0.13%

Run 9: Report of TCP BBR — Data Link

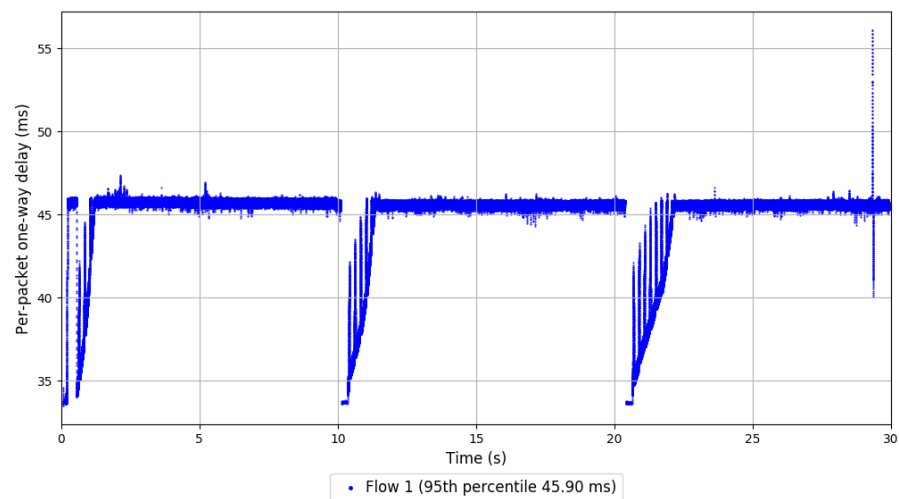
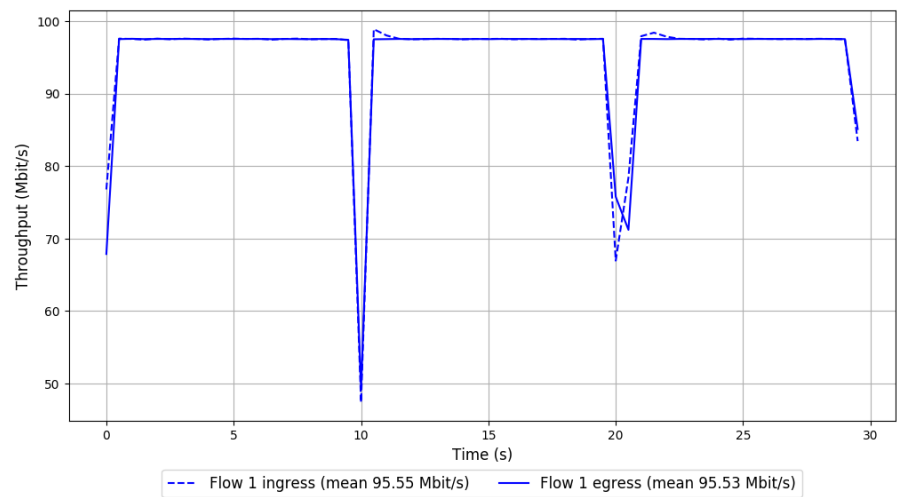


Run 10: Statistics of TCP BBR

Start at: 2018-01-16 13:25:53
End at: 2018-01-16 13:26:23
Local clock offset: 2.725 ms
Remote clock offset: -14.367 ms

Below is generated by plot.py at 2018-01-16 17:12:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 45.897 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 45.897 ms
Loss rate: 0.13%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-16 10:08:18

End at: 2018-01-16 10:08:48

Local clock offset: -3.649 ms

Remote clock offset: -14.715 ms

Run 1: Report of TCP Cubic — Data Link

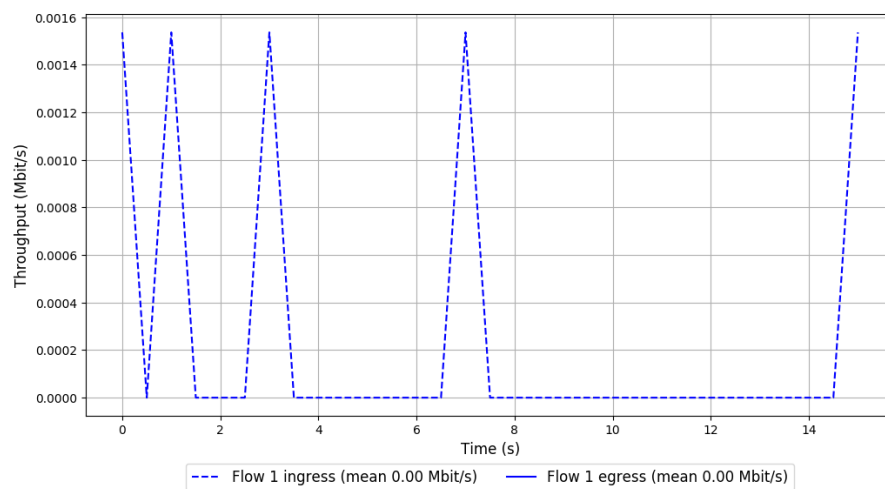


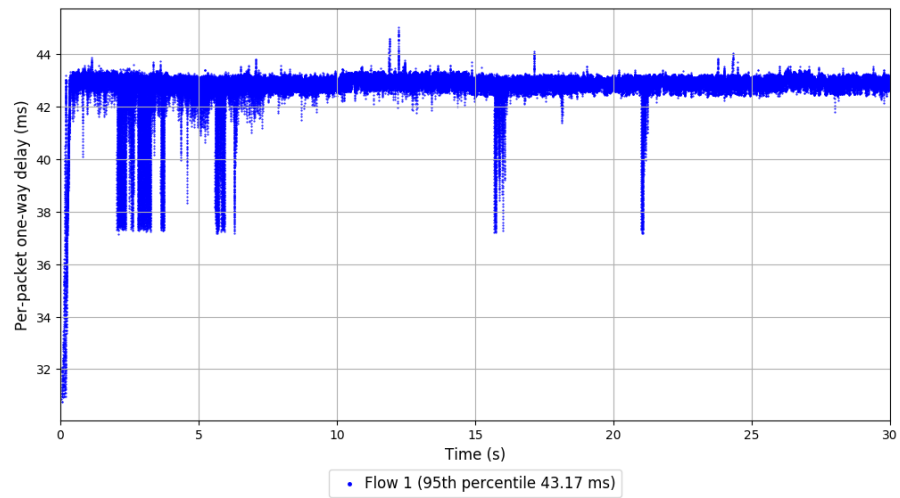
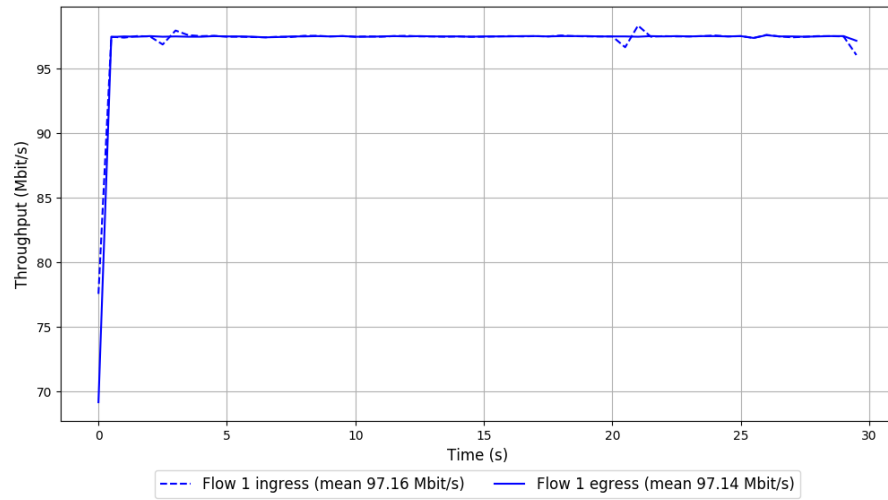
Figure is missing

Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 10:32:03
End at: 2018-01-16 10:32:33
Local clock offset: -3.258 ms
Remote clock offset: -12.783 ms

Below is generated by plot.py at 2018-01-16 17:12:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 43.173 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 43.173 ms
Loss rate: 0.12%

Run 2: Report of TCP Cubic — Data Link

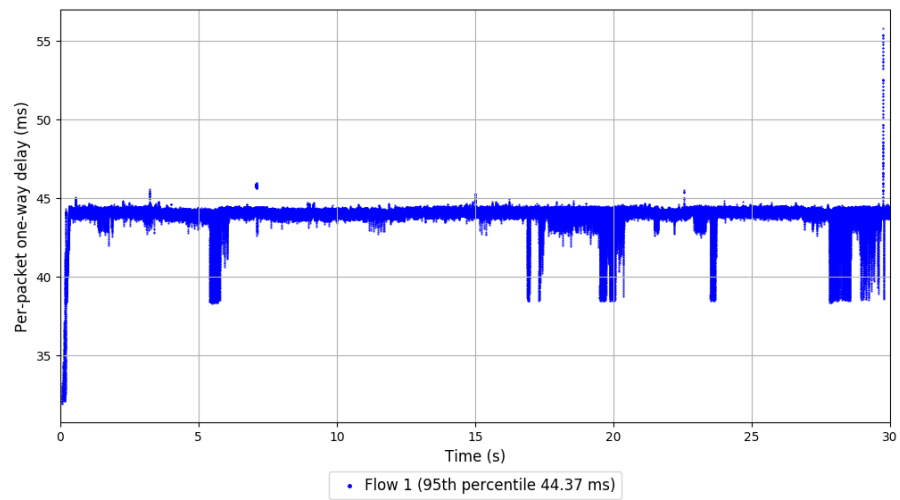
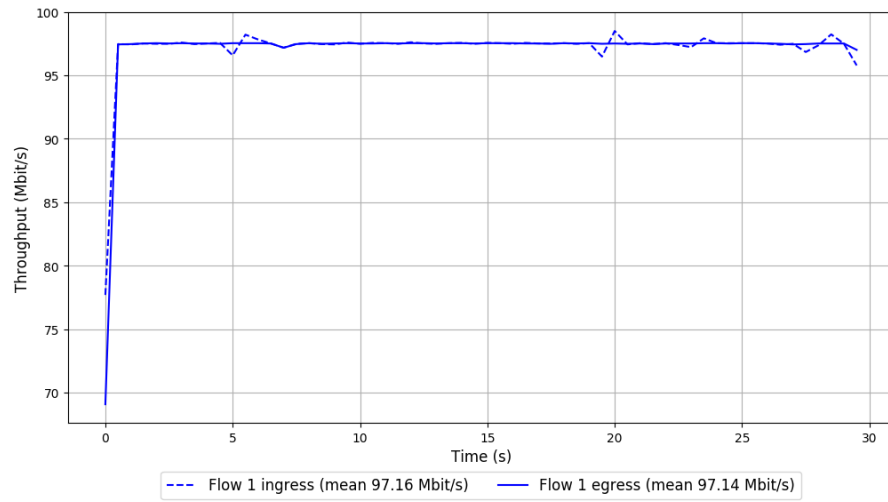


Run 3: Statistics of TCP Cubic

Start at: 2018-01-16 10:53:30
End at: 2018-01-16 10:54:00
Local clock offset: -3.562 ms
Remote clock offset: -13.615 ms

Below is generated by plot.py at 2018-01-16 17:12:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 44.369 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 44.369 ms
Loss rate: 0.13%

Run 3: Report of TCP Cubic — Data Link

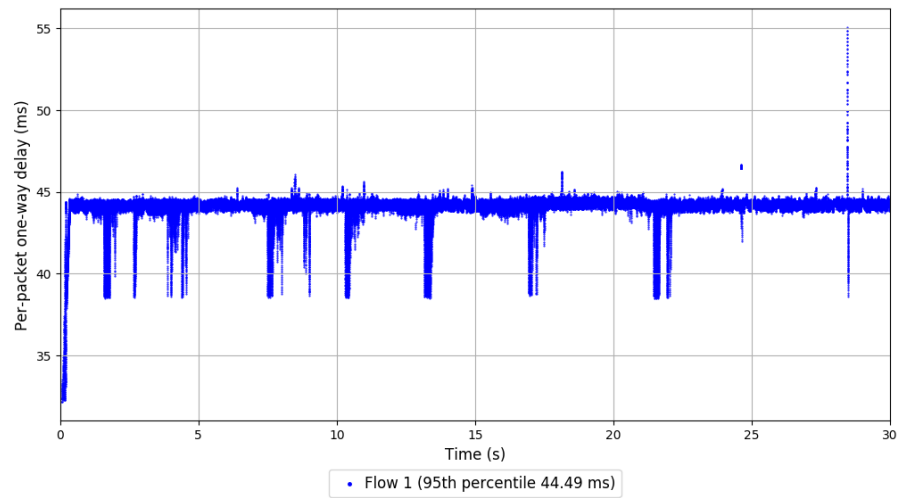
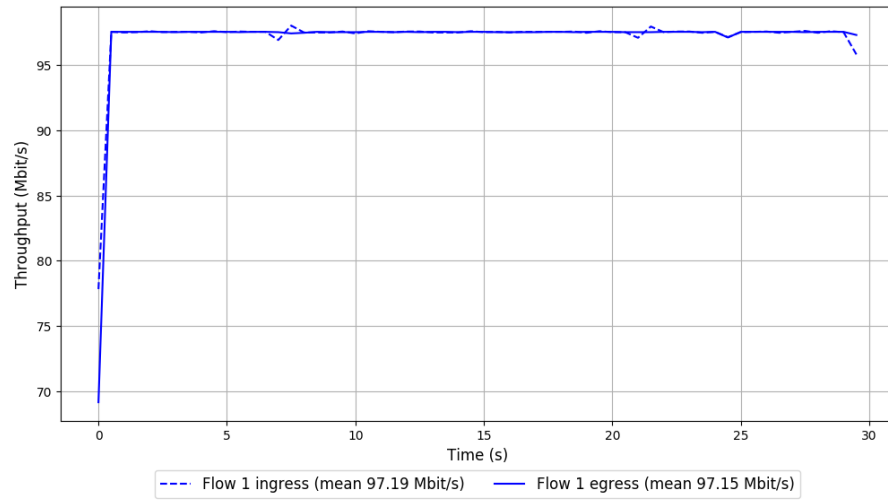


Run 4: Statistics of TCP Cubic

Start at: 2018-01-16 11:14:47
End at: 2018-01-16 11:15:17
Local clock offset: -2.916 ms
Remote clock offset: -12.401 ms

Below is generated by plot.py at 2018-01-16 17:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 44.494 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 44.494 ms
Loss rate: 0.12%

Run 4: Report of TCP Cubic — Data Link

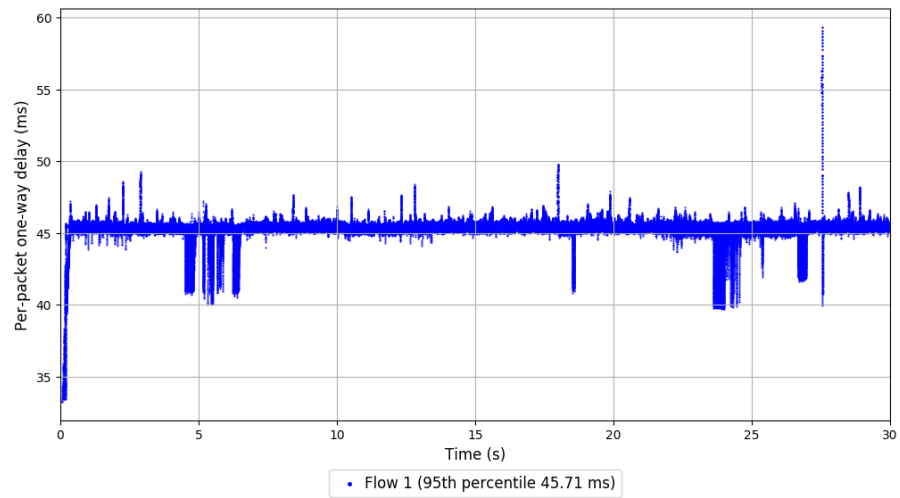
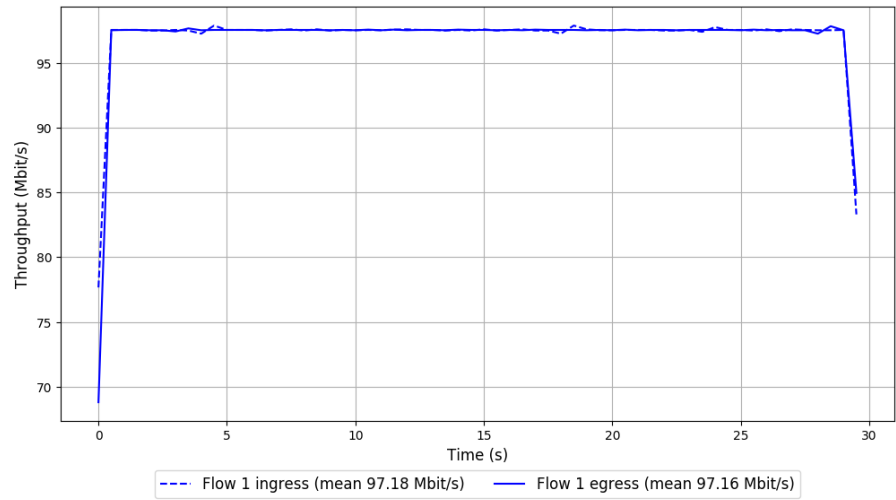


Run 5: Statistics of TCP Cubic

Start at: 2018-01-16 11:36:28
End at: 2018-01-16 11:36:58
Local clock offset: -0.682 ms
Remote clock offset: -11.342 ms

Below is generated by plot.py at 2018-01-16 17:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 45.711 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 45.711 ms
Loss rate: 0.12%

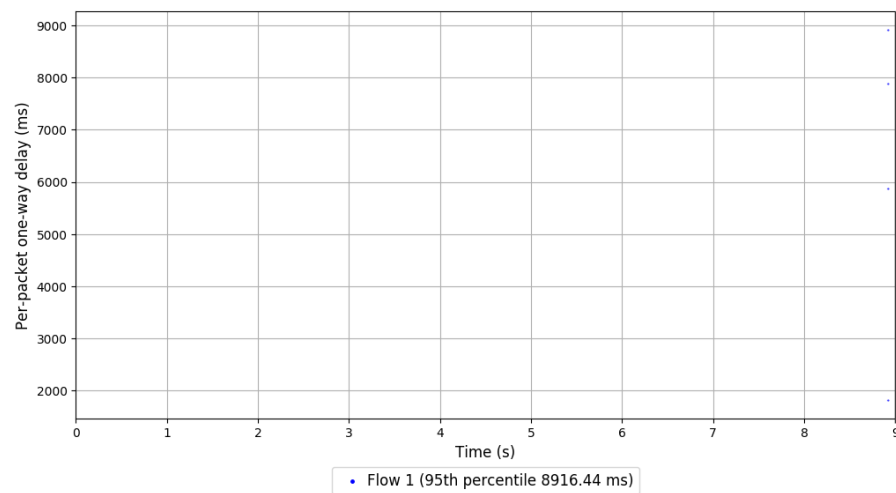
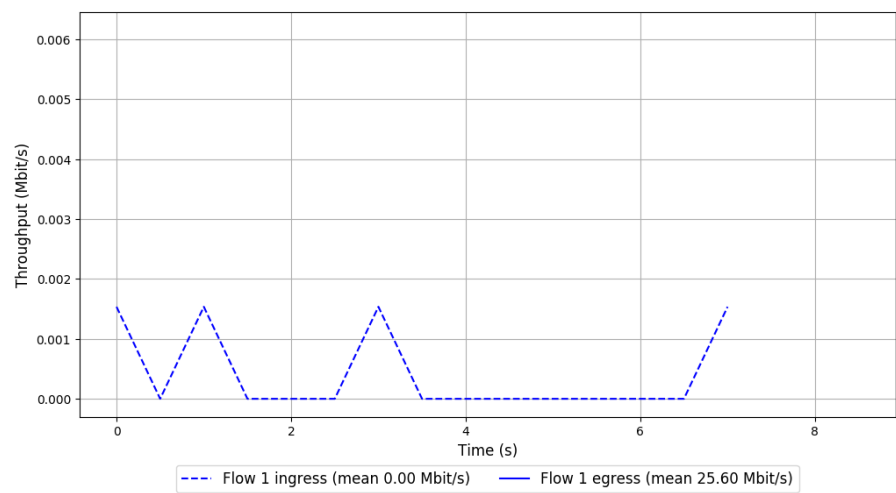
Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-16 11:58:03
End at: 2018-01-16 11:58:33
Local clock offset: -1.086 ms
Remote clock offset: -11.396 ms

Run 6: Report of TCP Cubic — Data Link

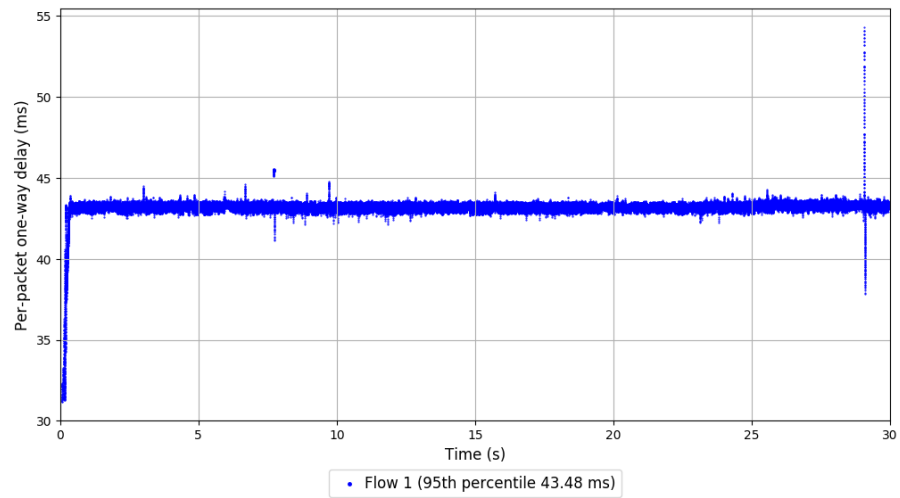
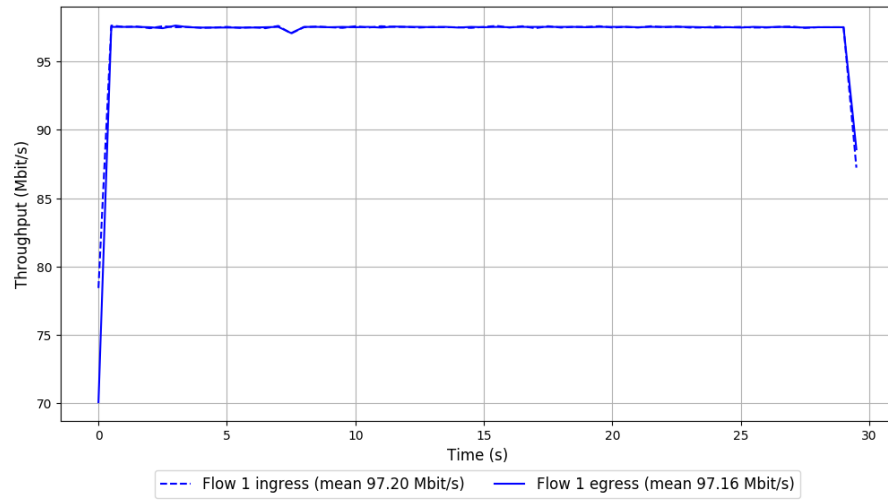


Run 7: Statistics of TCP Cubic

Start at: 2018-01-16 12:19:08
End at: 2018-01-16 12:19:38
Local clock offset: -1.549 ms
Remote clock offset: -11.597 ms

Below is generated by plot.py at 2018-01-16 17:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 43.476 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 43.476 ms
Loss rate: 0.12%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

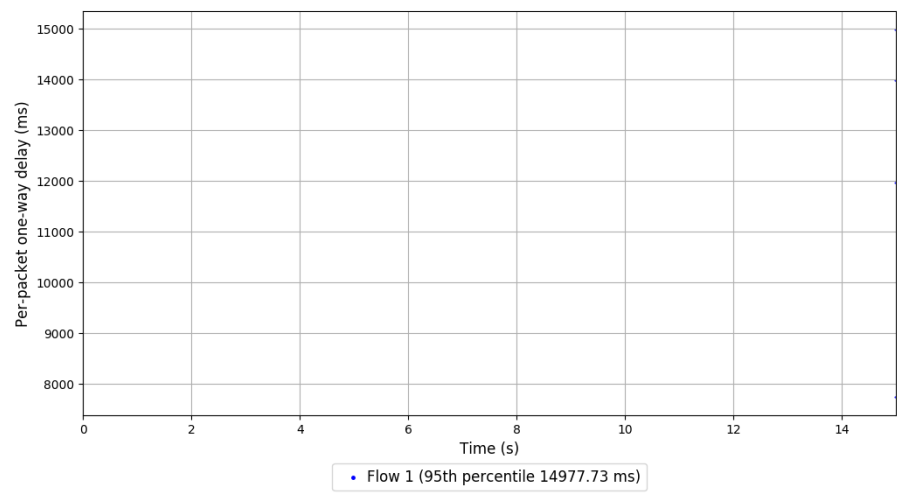
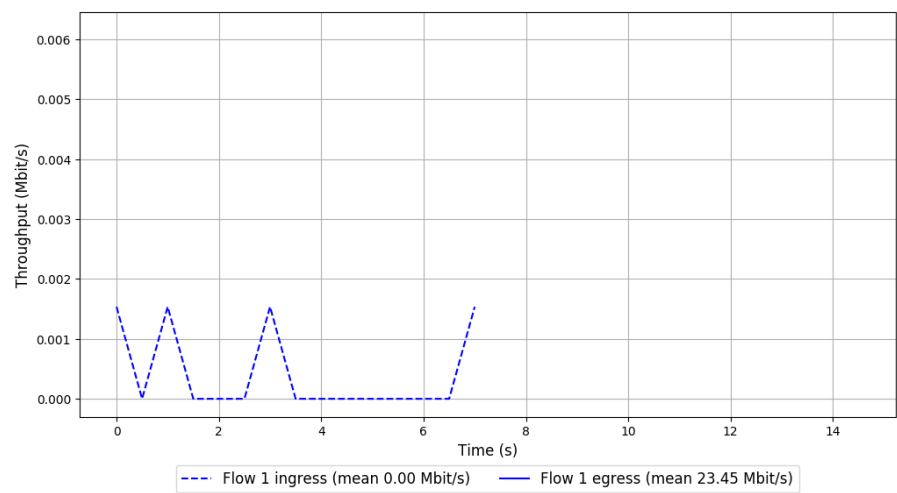
Start at: 2018-01-16 12:40:10

End at: 2018-01-16 12:40:40

Local clock offset: 1.152 ms

Remote clock offset: -12.91 ms

Run 8: Report of TCP Cubic — Data Link

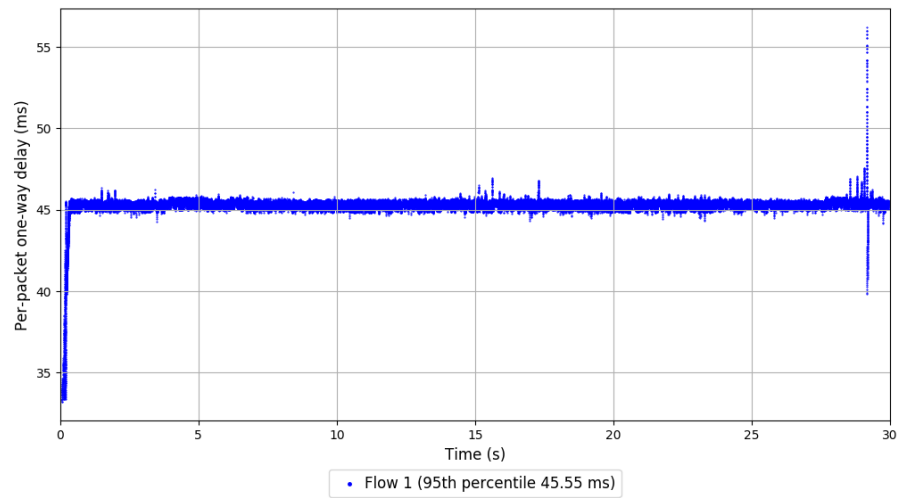
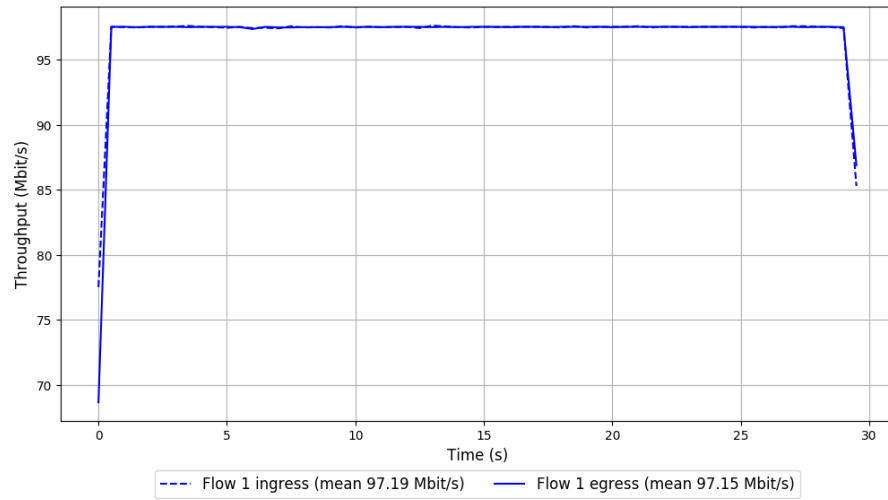


Run 9: Statistics of TCP Cubic

Start at: 2018-01-16 13:01:13
End at: 2018-01-16 13:01:43
Local clock offset: 1.294 ms
Remote clock offset: -14.042 ms

Below is generated by plot.py at 2018-01-16 17:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 45.552 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 45.552 ms
Loss rate: 0.12%

Run 9: Report of TCP Cubic — Data Link

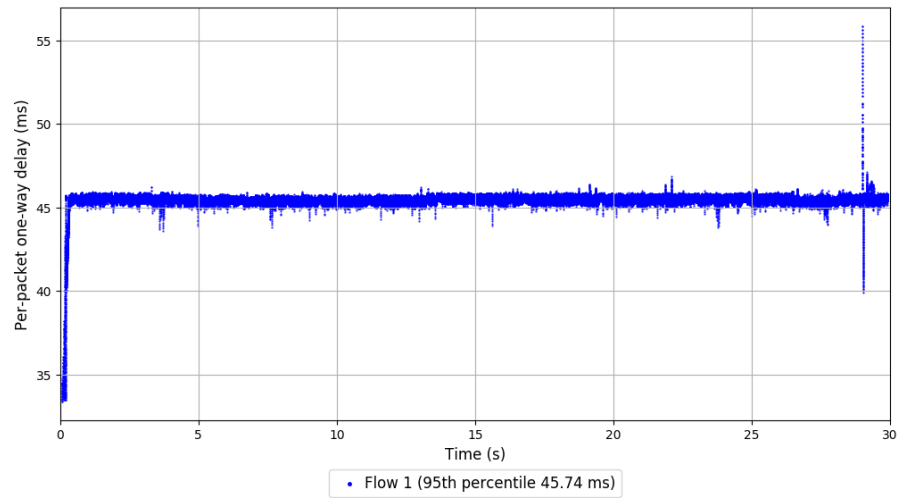
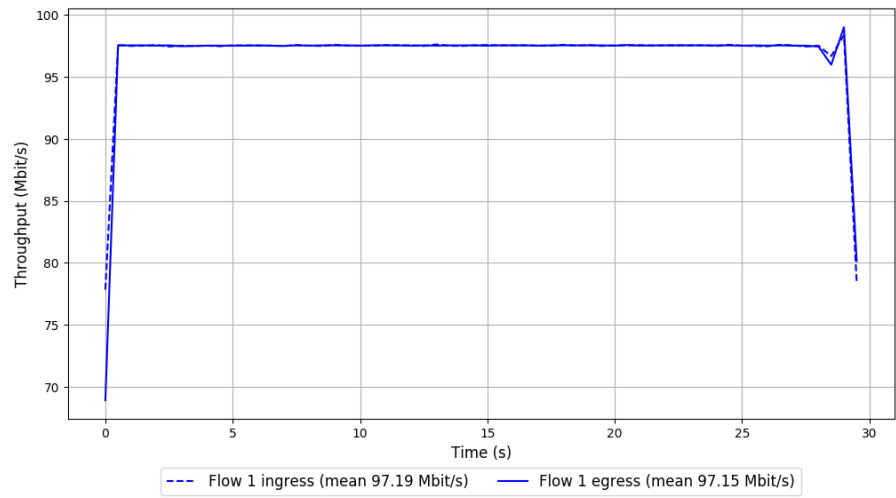


Run 10: Statistics of TCP Cubic

Start at: 2018-01-16 13:22:18
End at: 2018-01-16 13:22:48
Local clock offset: 2.542 ms
Remote clock offset: -14.083 ms

Below is generated by plot.py at 2018-01-16 17:13:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 45.742 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 45.742 ms
Loss rate: 0.12%

Run 10: Report of TCP Cubic — Data Link

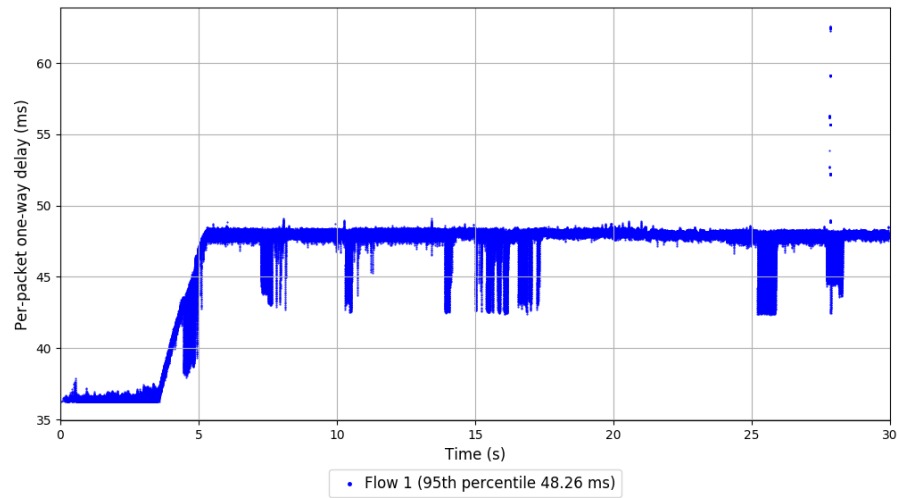
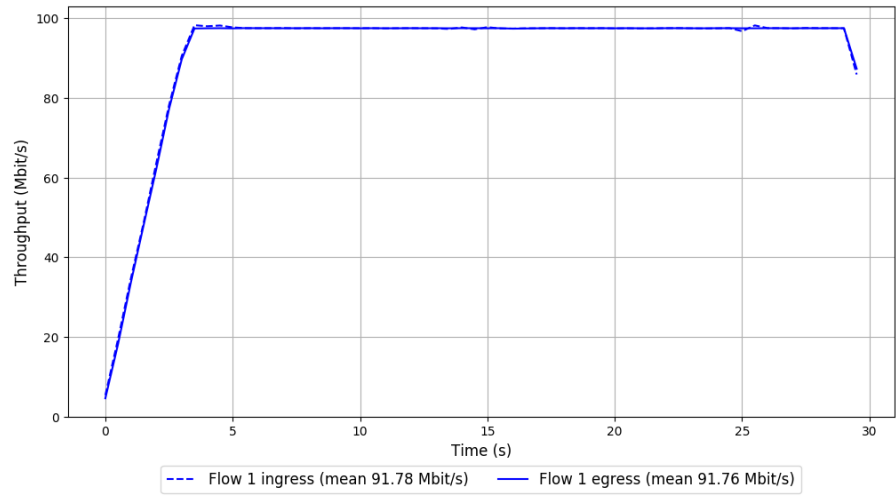


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-16 10:02:21
End at: 2018-01-16 10:02:51
Local clock offset: -0.817 ms
Remote clock offset: -15.407 ms

# Below is generated by plot.py at 2018-01-16 17:13:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 48.258 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 48.258 ms
Loss rate: 0.14%
```


Run 1: Report of LEDBAT — Data Link

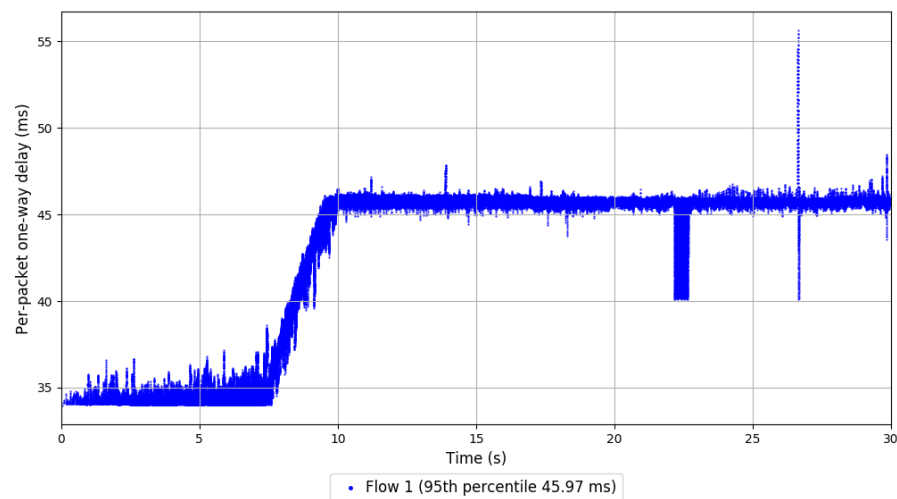
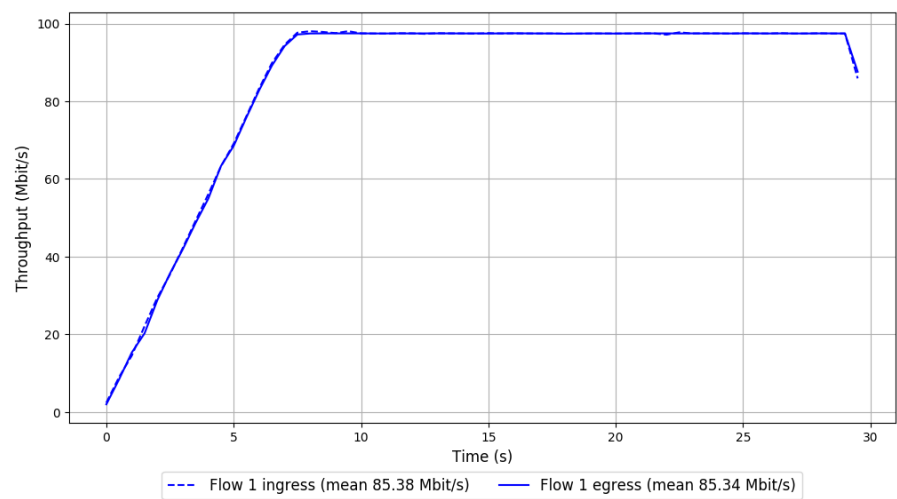


Run 2: Statistics of LEDBAT

Start at: 2018-01-16 10:26:04
End at: 2018-01-16 10:26:34
Local clock offset: -2.803 ms
Remote clock offset: -15.397 ms

Below is generated by plot.py at 2018-01-16 17:13:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 45.967 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 45.967 ms
Loss rate: 0.14%

Run 2: Report of LEDBAT — Data Link

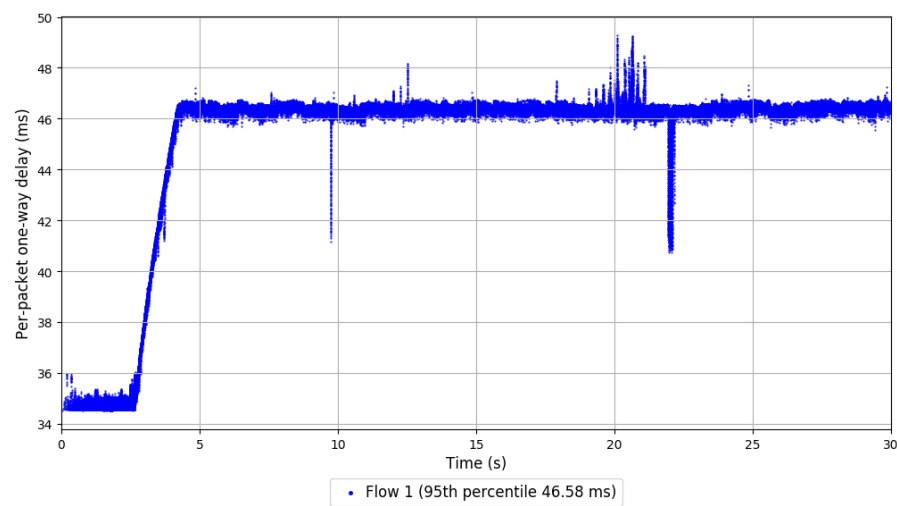
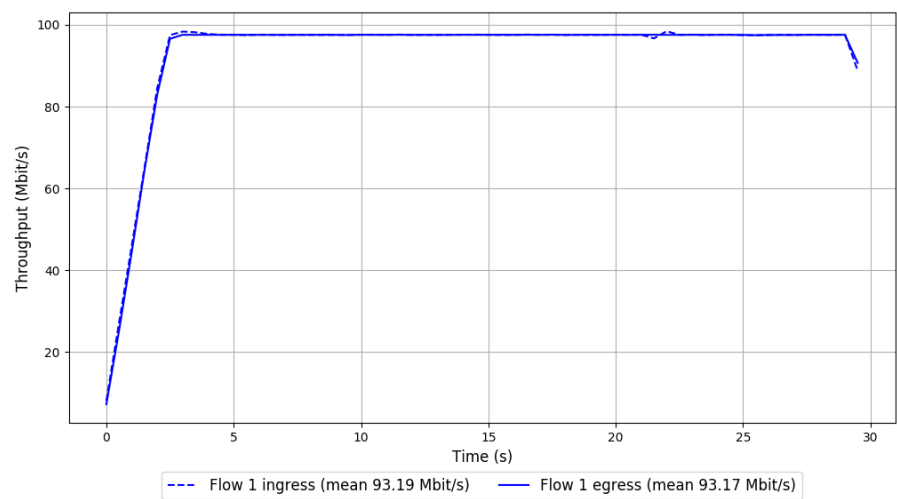


Run 3: Statistics of LEDBAT

Start at: 2018-01-16 10:47:35
End at: 2018-01-16 10:48:05
Local clock offset: -0.899 ms
Remote clock offset: -13.612 ms

Below is generated by plot.py at 2018-01-16 17:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 46.584 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 46.584 ms
Loss rate: 0.13%

Run 3: Report of LEDBAT — Data Link

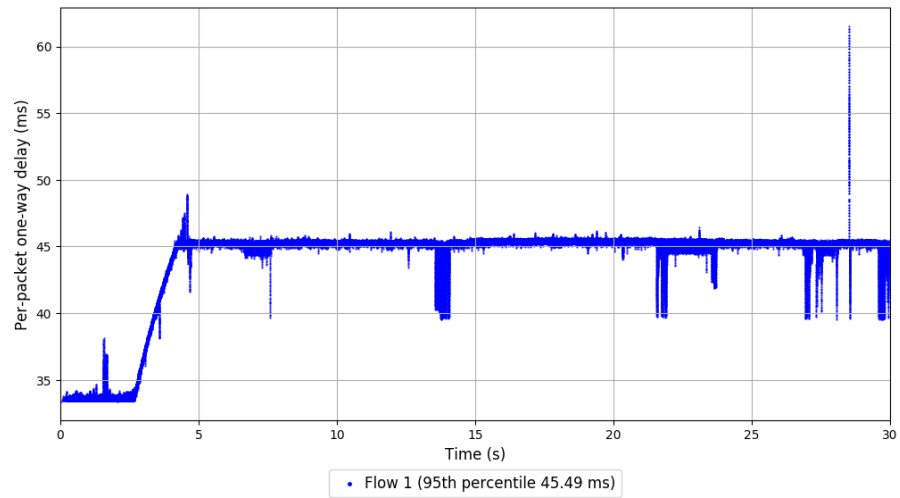
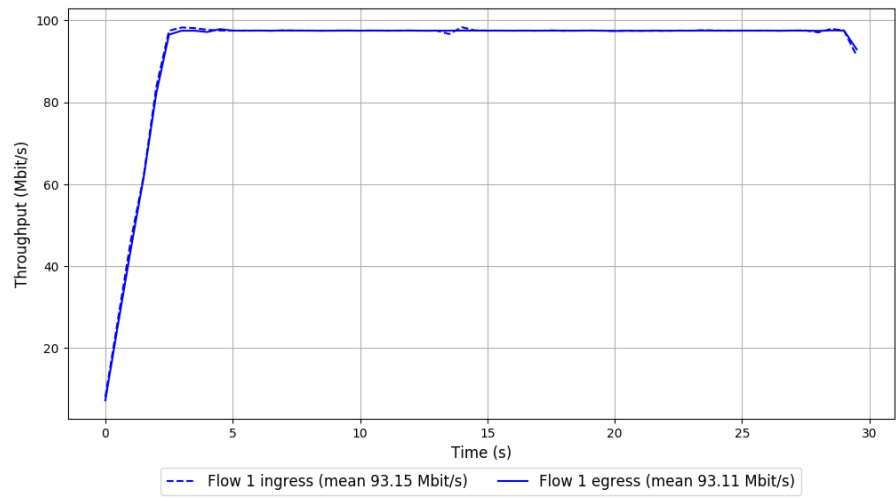


Run 4: Statistics of LEDBAT

Start at: 2018-01-16 11:08:48
End at: 2018-01-16 11:09:18
Local clock offset: -2.228 ms
Remote clock offset: -12.998 ms

Below is generated by plot.py at 2018-01-16 17:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 45.491 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 45.491 ms
Loss rate: 0.13%

Run 4: Report of LEDBAT — Data Link

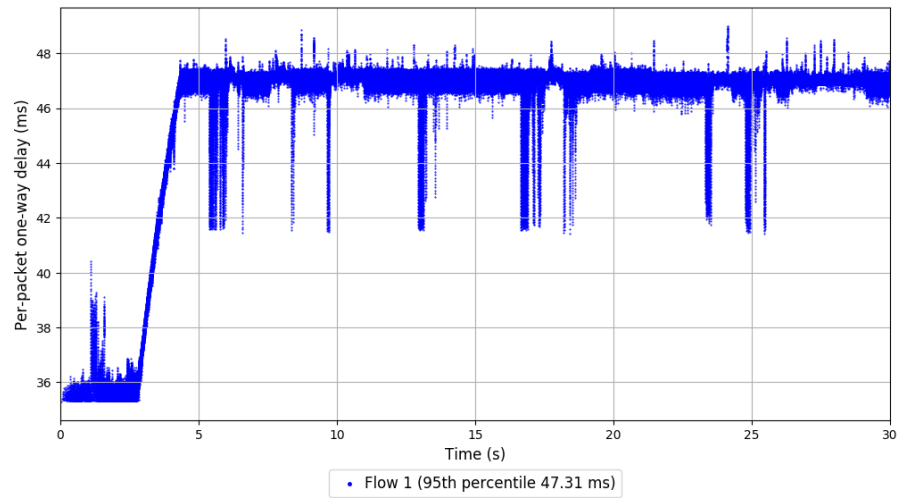
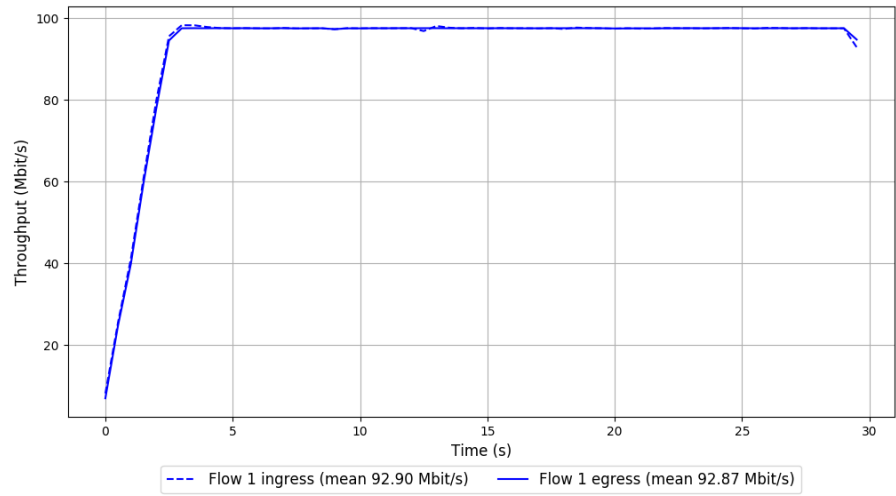


Run 5: Statistics of LEDBAT

Start at: 2018-01-16 11:30:17
End at: 2018-01-16 11:30:47
Local clock offset: -0.33 ms
Remote clock offset: -12.932 ms

Below is generated by plot.py at 2018-01-16 17:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 47.315 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 47.315 ms
Loss rate: 0.13%

Run 5: Report of LEDBAT — Data Link

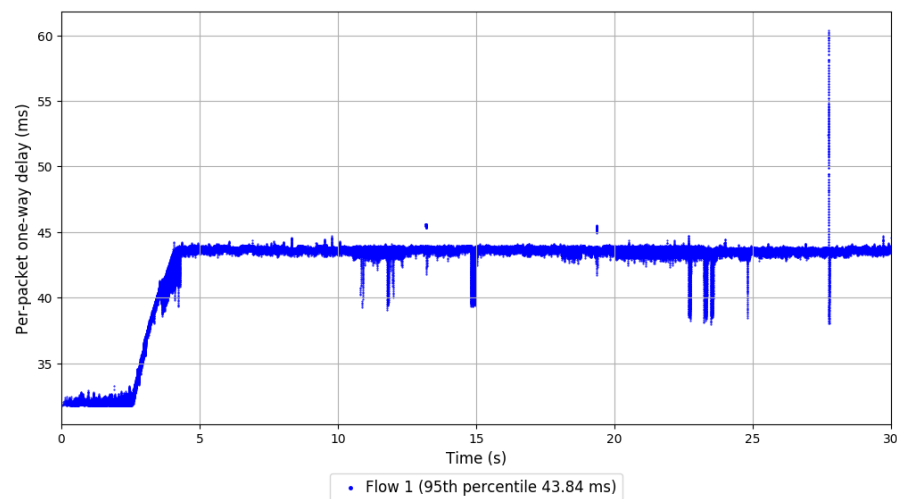
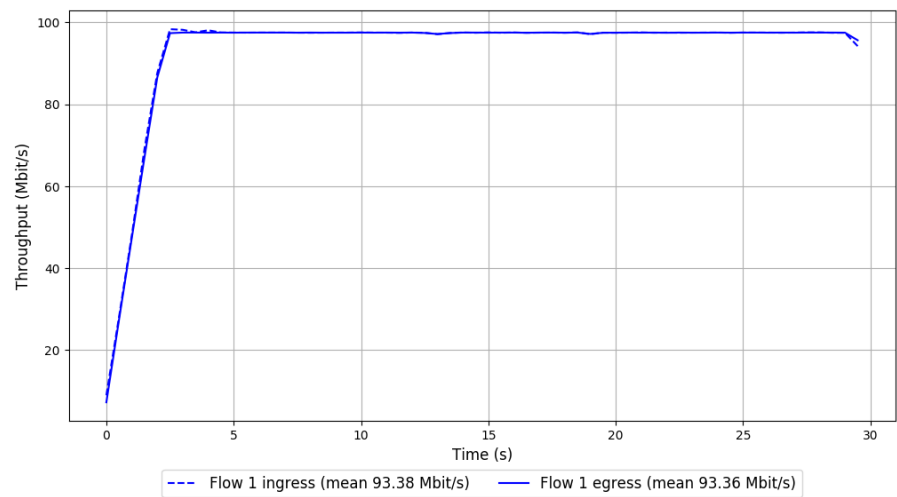


Run 6: Statistics of LEDBAT

Start at: 2018-01-16 11:52:06
End at: 2018-01-16 11:52:36
Local clock offset: -0.081 ms
Remote clock offset: -10.006 ms

Below is generated by plot.py at 2018-01-16 17:13:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 43.841 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 43.841 ms
Loss rate: 0.13%

Run 6: Report of LEDBAT — Data Link

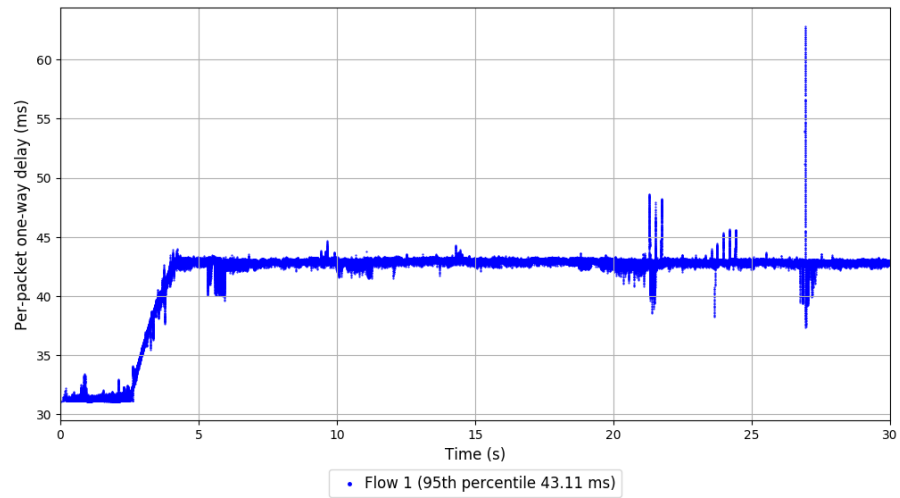
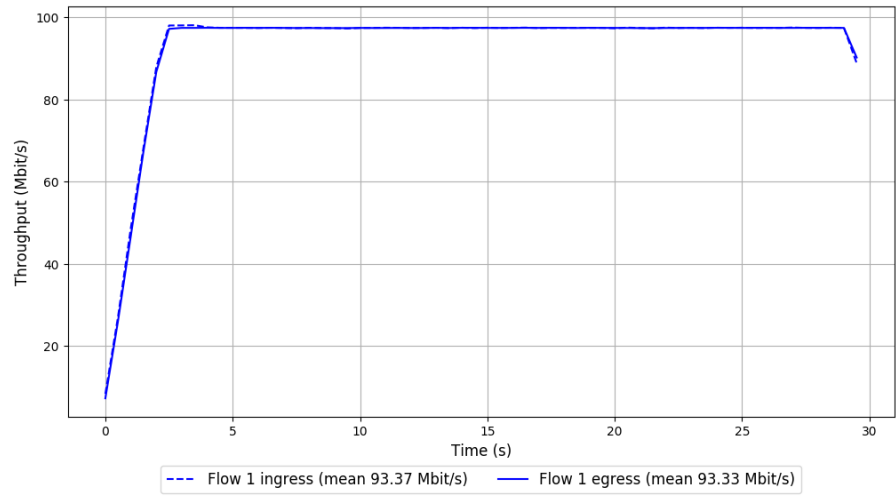


Run 7: Statistics of LEDBAT

Start at: 2018-01-16 12:13:16
End at: 2018-01-16 12:13:47
Local clock offset: -2.236 ms
Remote clock offset: -11.789 ms

Below is generated by plot.py at 2018-01-16 17:13:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 43.106 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 43.106 ms
Loss rate: 0.13%

Run 7: Report of LEDBAT — Data Link

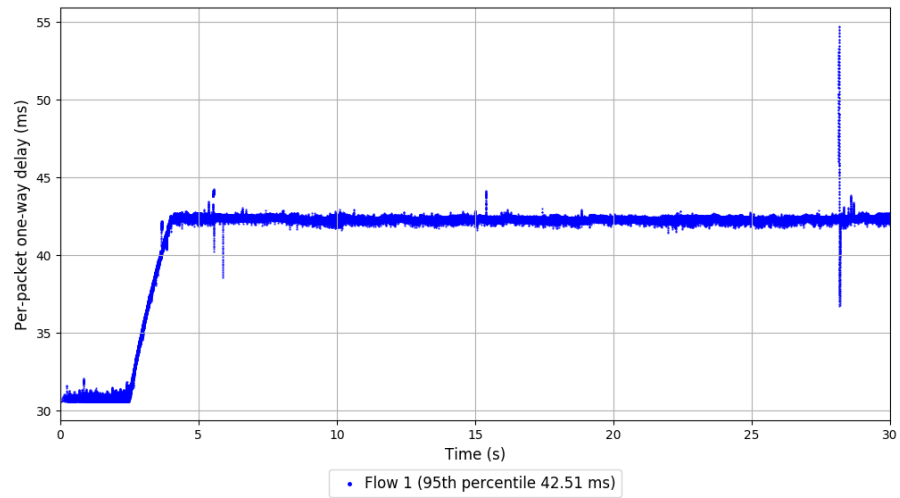
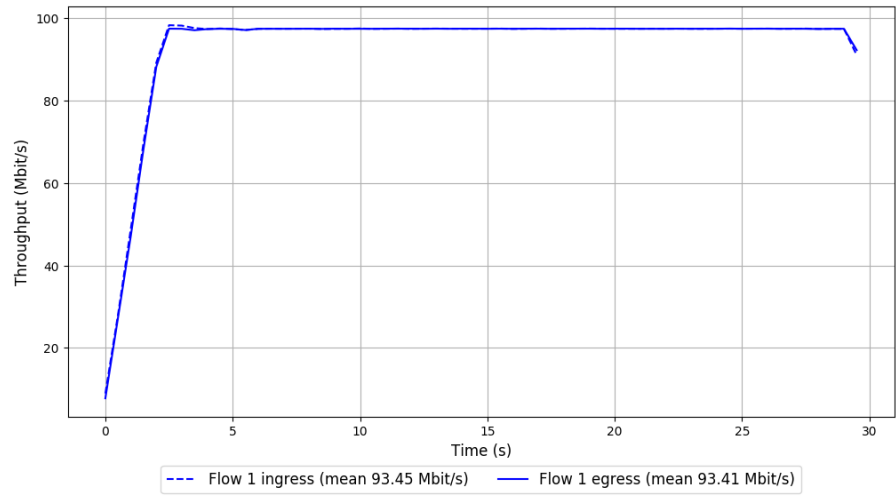


Run 8: Statistics of LEDBAT

Start at: 2018-01-16 12:34:21
End at: 2018-01-16 12:34:51
Local clock offset: -0.206 ms
Remote clock offset: -11.148 ms

Below is generated by plot.py at 2018-01-16 17:15:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 42.509 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 42.509 ms
Loss rate: 0.13%

Run 8: Report of LEDBAT — Data Link

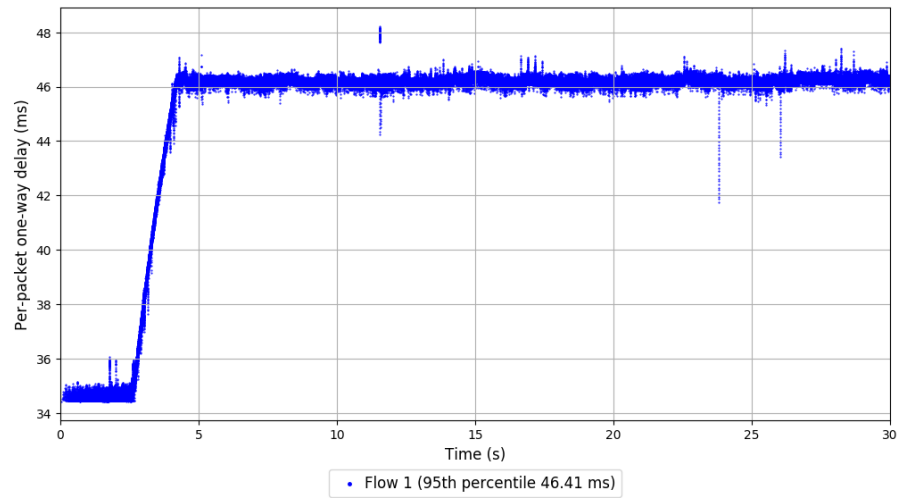
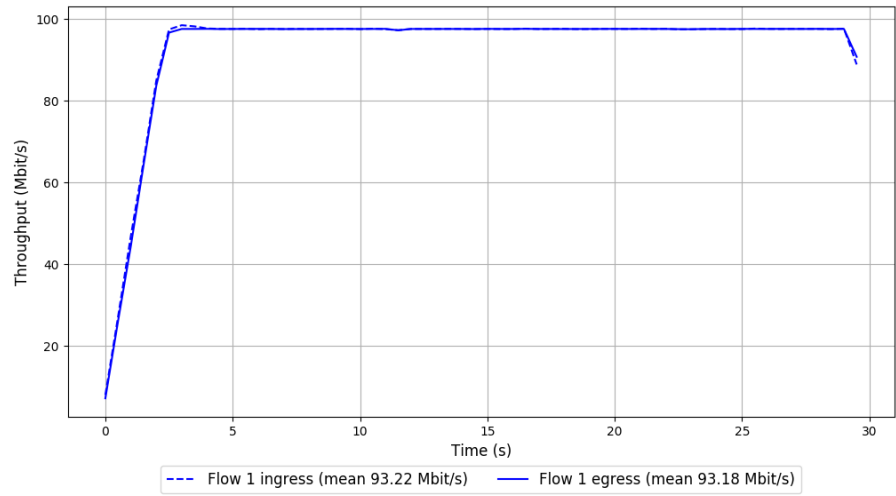


Run 9: Statistics of LEDBAT

Start at: 2018-01-16 12:55:23
End at: 2018-01-16 12:55:53
Local clock offset: 1.838 ms
Remote clock offset: -14.507 ms

Below is generated by plot.py at 2018-01-16 17:15:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 46.410 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 46.410 ms
Loss rate: 0.13%

Run 9: Report of LEDBAT — Data Link

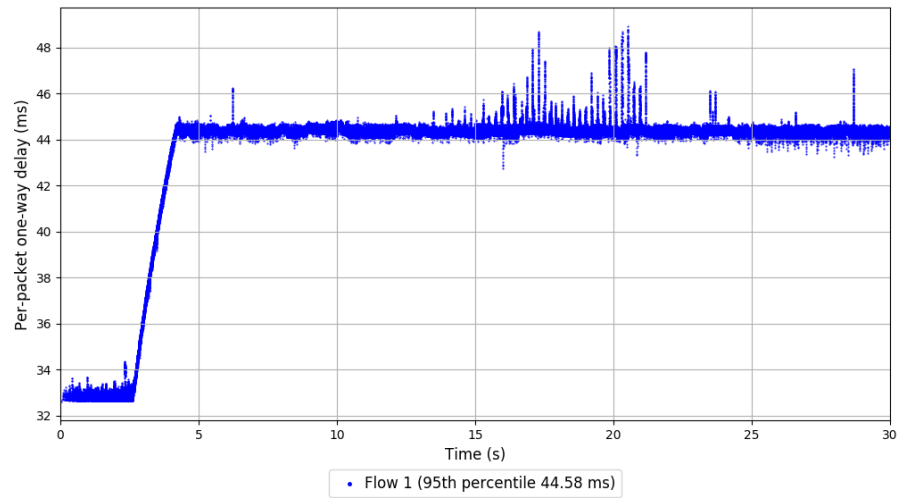
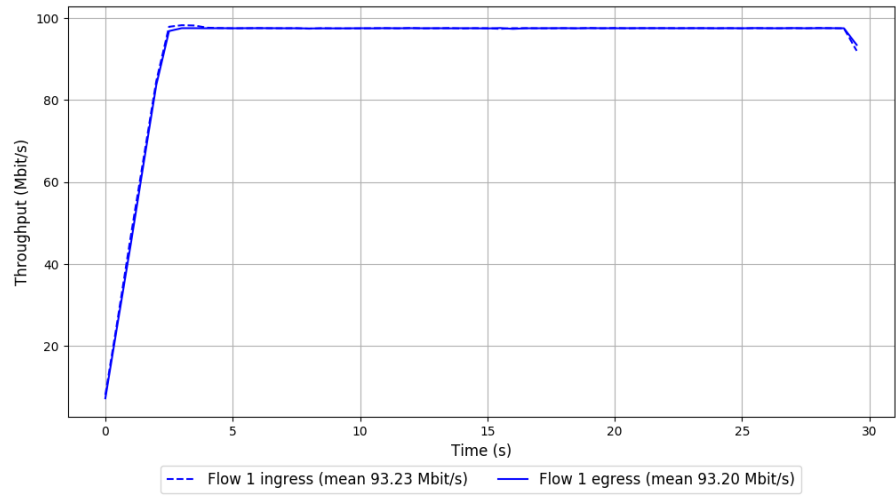


Run 10: Statistics of LEDBAT

Start at: 2018-01-16 13:16:23
End at: 2018-01-16 13:16:53
Local clock offset: 1.359 ms
Remote clock offset: -14.037 ms

Below is generated by plot.py at 2018-01-16 17:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 44.583 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 44.583 ms
Loss rate: 0.13%

Run 10: Report of LEDBAT — Data Link

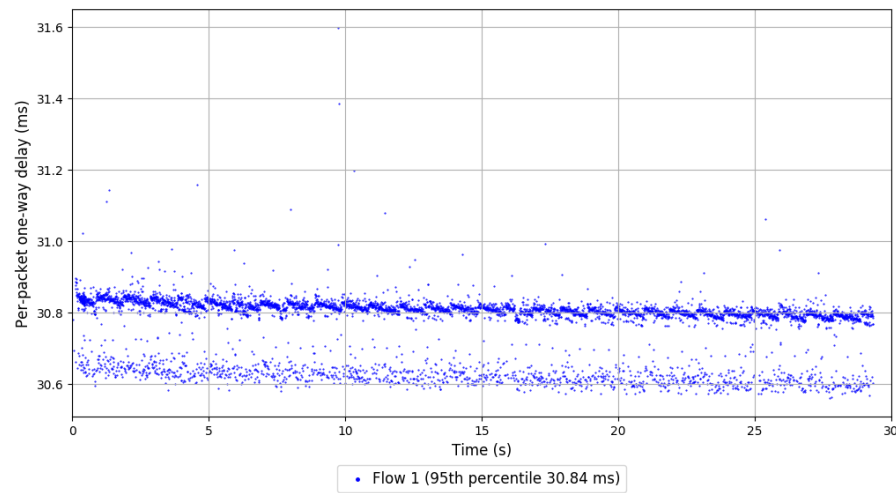
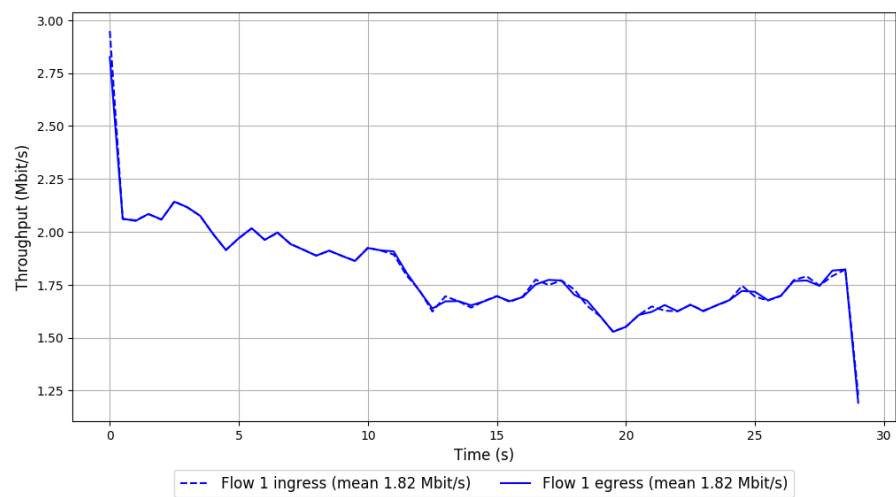


Run 1: Statistics of PCC

Start at: 2018-01-16 10:16:15
End at: 2018-01-16 10:16:45
Local clock offset: -4.257 ms
Remote clock offset: -12.787 ms

Below is generated by plot.py at 2018-01-16 17:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 30.843 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 30.843 ms
Loss rate: 0.12%

Run 1: Report of PCC — Data Link

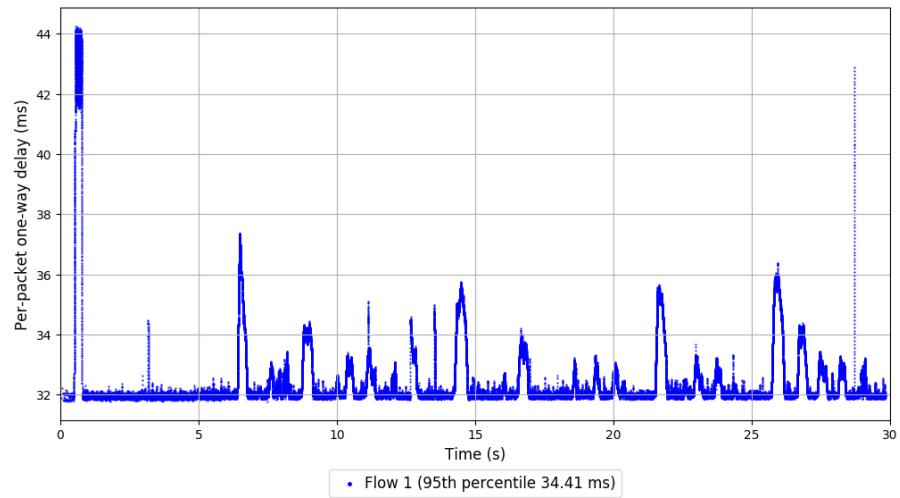
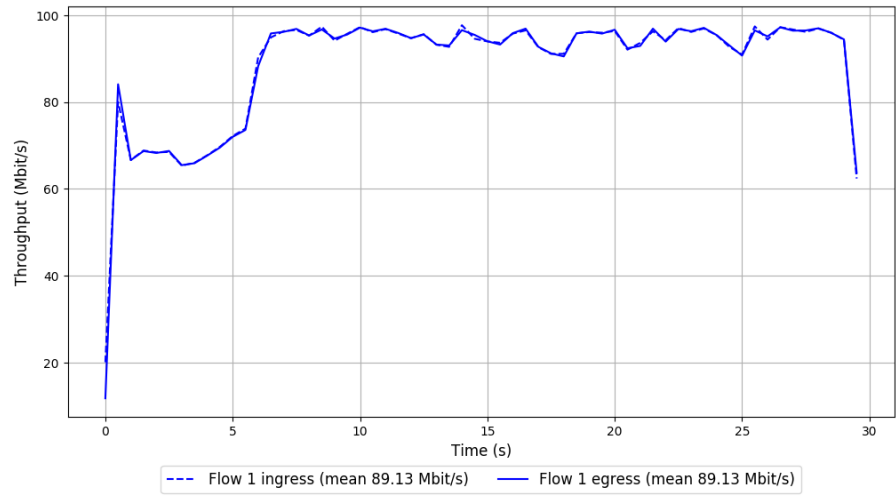


Run 2: Statistics of PCC

Start at: 2018-01-16 10:39:10
End at: 2018-01-16 10:39:40
Local clock offset: -3.572 ms
Remote clock offset: -13.891 ms

Below is generated by plot.py at 2018-01-16 17:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 34.410 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 34.410 ms
Loss rate: 0.09%

Run 2: Report of PCC — Data Link

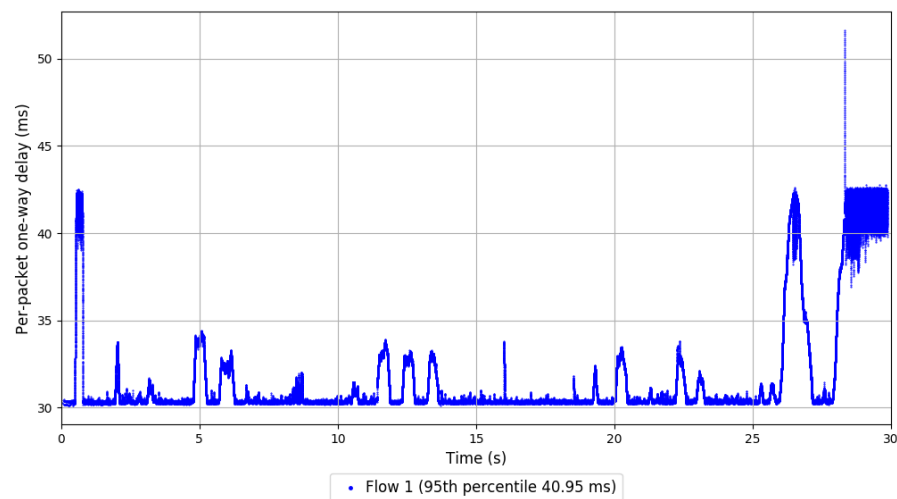
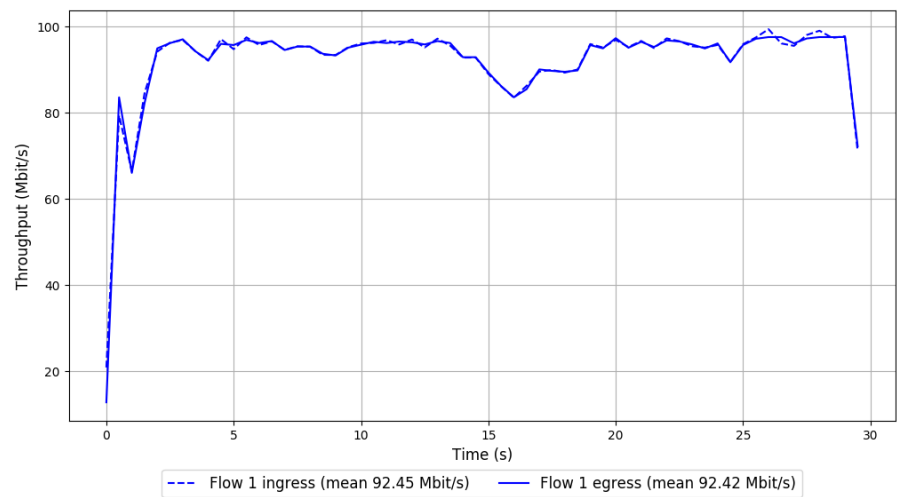


Run 3: Statistics of PCC

Start at: 2018-01-16 11:00:31
End at: 2018-01-16 11:01:01
Local clock offset: -4.297 ms
Remote clock offset: -12.278 ms

Below is generated by plot.py at 2018-01-16 17:15:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 40.947 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 40.947 ms
Loss rate: 0.13%

Run 3: Report of PCC — Data Link

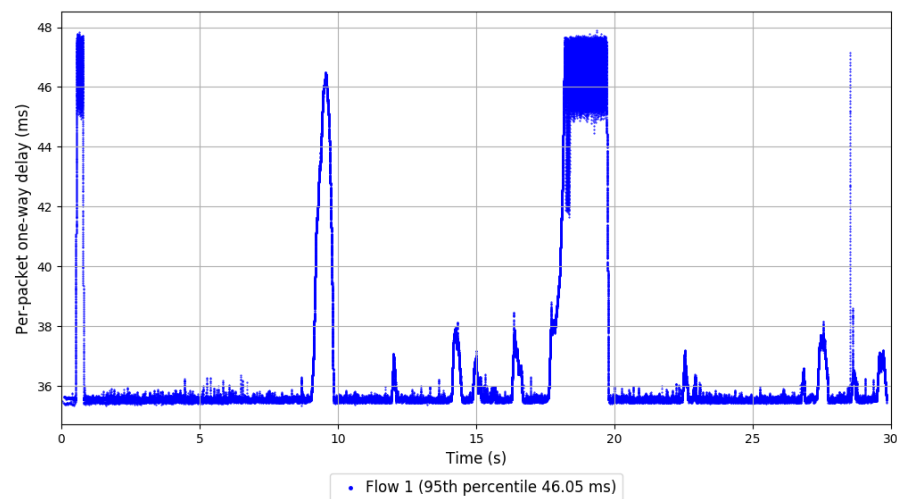
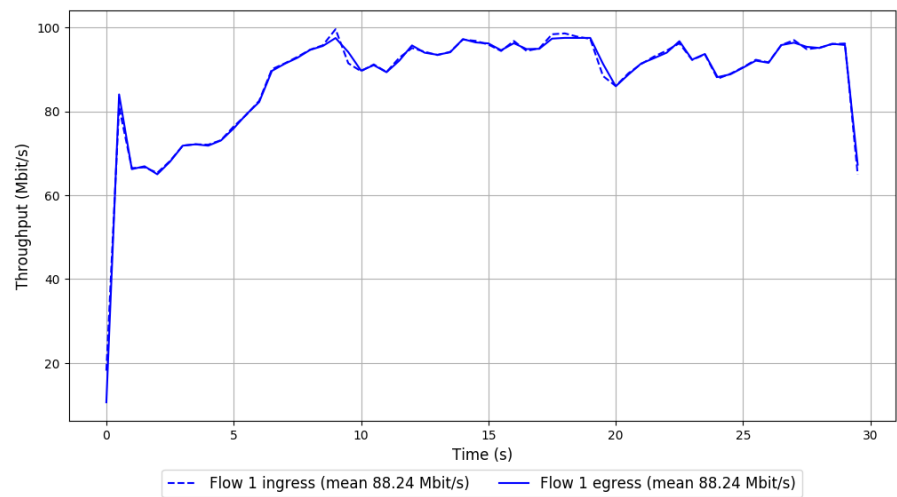


Run 4: Statistics of PCC

Start at: 2018-01-16 11:21:41
End at: 2018-01-16 11:22:11
Local clock offset: -1.475 ms
Remote clock offset: -14.216 ms

Below is generated by plot.py at 2018-01-16 17:15:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 46.050 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 46.050 ms
Loss rate: 0.09%

Run 4: Report of PCC — Data Link

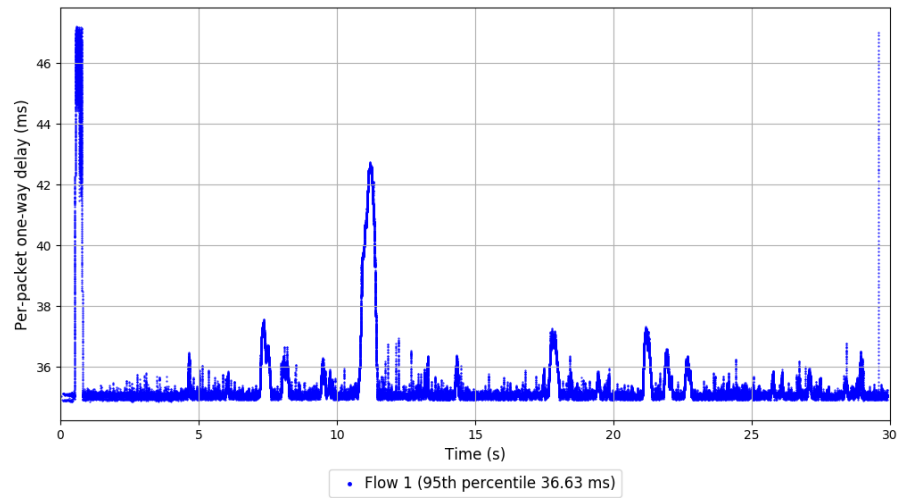
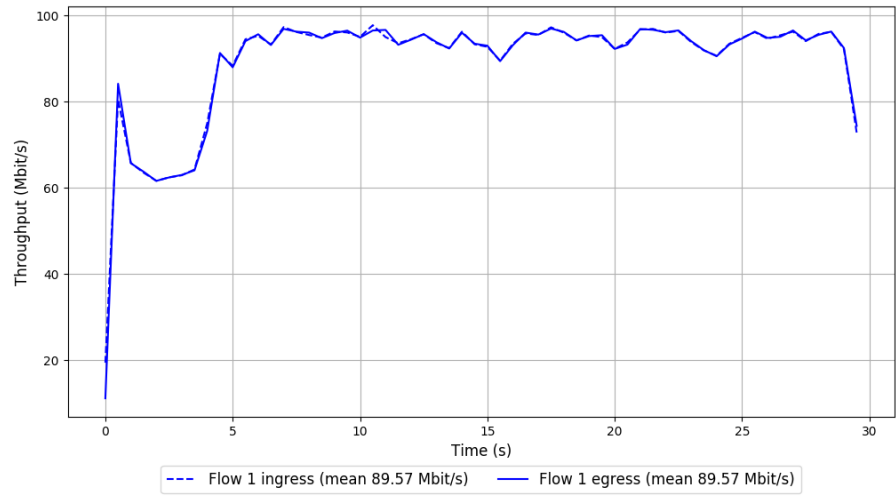


Run 5: Statistics of PCC

Start at: 2018-01-16 11:43:36
End at: 2018-01-16 11:44:06
Local clock offset: 0.466 ms
Remote clock offset: -11.936 ms

Below is generated by plot.py at 2018-01-16 17:15:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 36.628 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 36.628 ms
Loss rate: 0.09%

Run 5: Report of PCC — Data Link

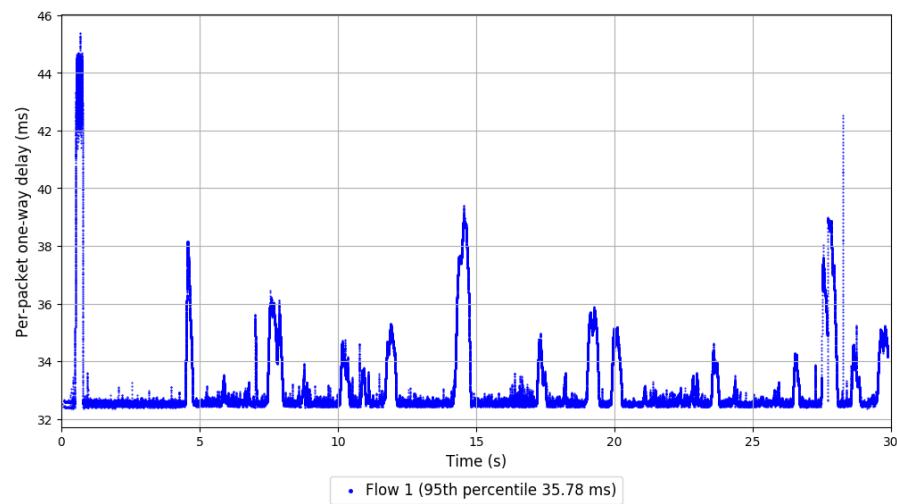
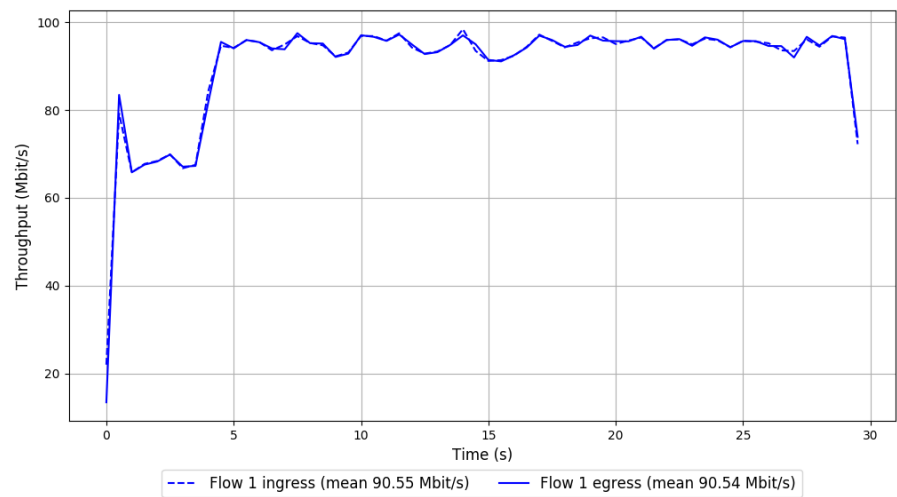


Run 6: Statistics of PCC

Start at: 2018-01-16 12:04:53
End at: 2018-01-16 12:05:23
Local clock offset: -0.01 ms
Remote clock offset: -10.758 ms

Below is generated by plot.py at 2018-01-16 17:15:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 35.778 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 35.778 ms
Loss rate: 0.09%

Run 6: Report of PCC — Data Link

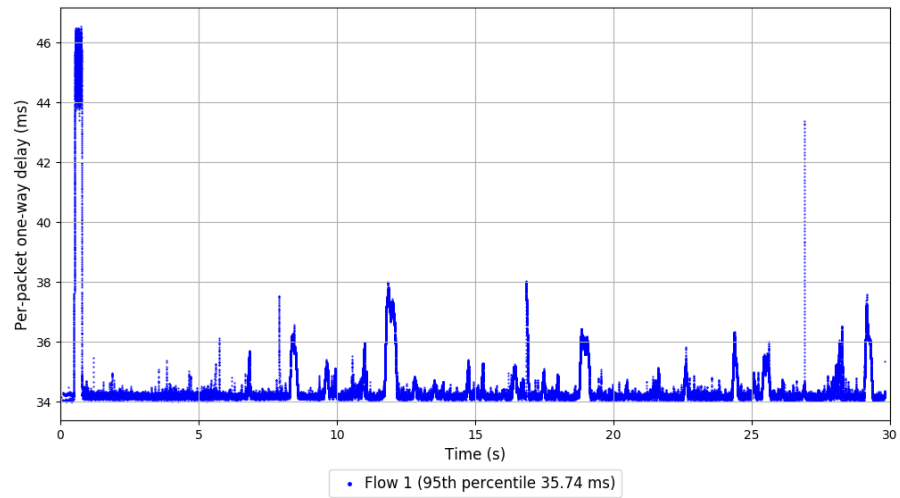
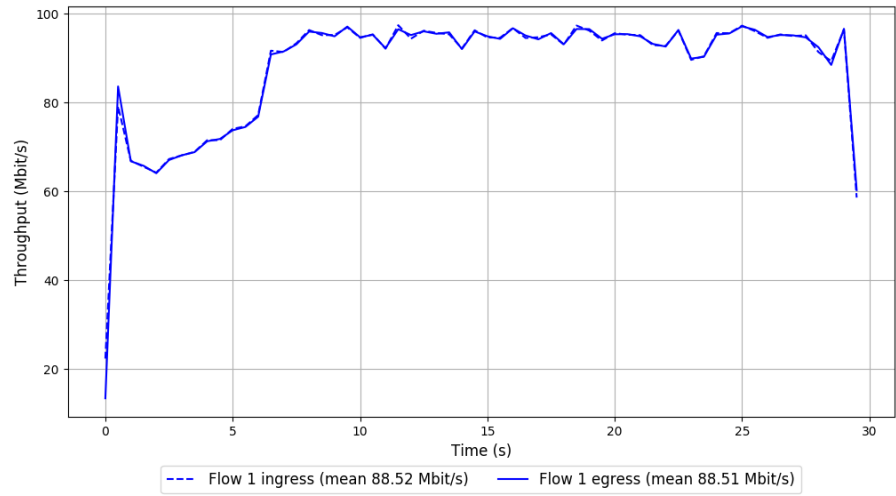


Run 7: Statistics of PCC

Start at: 2018-01-16 12:26:00
End at: 2018-01-16 12:26:30
Local clock offset: 1.077 ms
Remote clock offset: -12.638 ms

Below is generated by plot.py at 2018-01-16 17:16:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 35.743 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 35.743 ms
Loss rate: 0.09%

Run 7: Report of PCC — Data Link

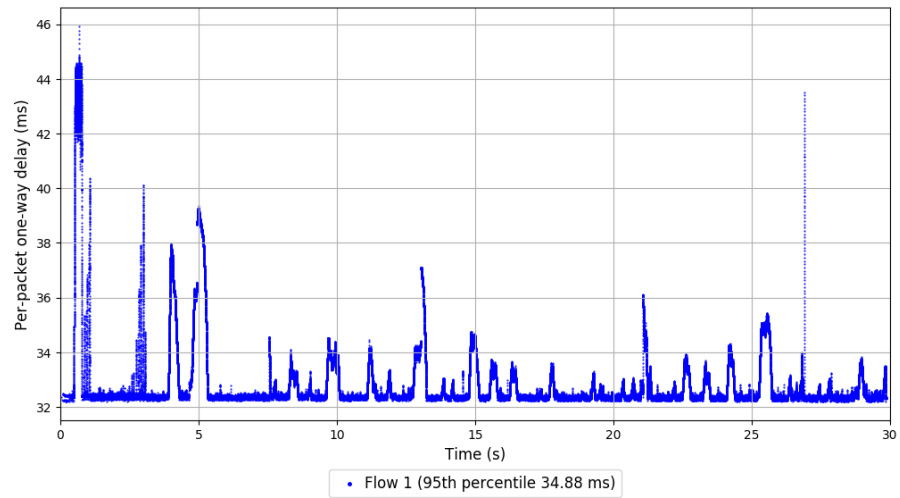
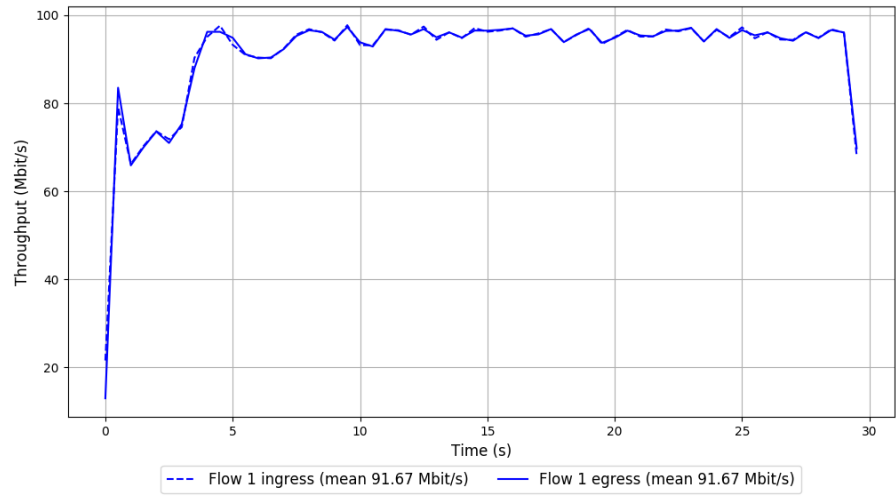


Run 8: Statistics of PCC

Start at: 2018-01-16 12:47:00
End at: 2018-01-16 12:47:30
Local clock offset: 1.195 ms
Remote clock offset: -12.69 ms

Below is generated by plot.py at 2018-01-16 17:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 34.883 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 34.883 ms
Loss rate: 0.08%

Run 8: Report of PCC — Data Link

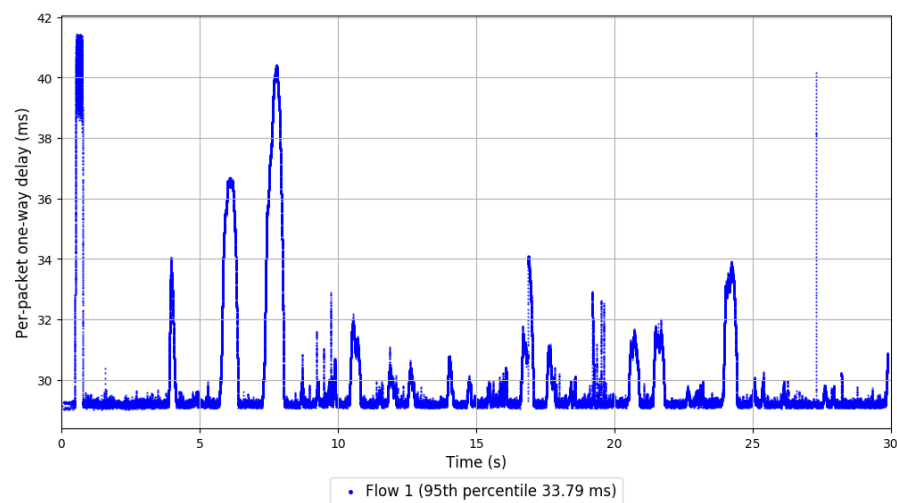
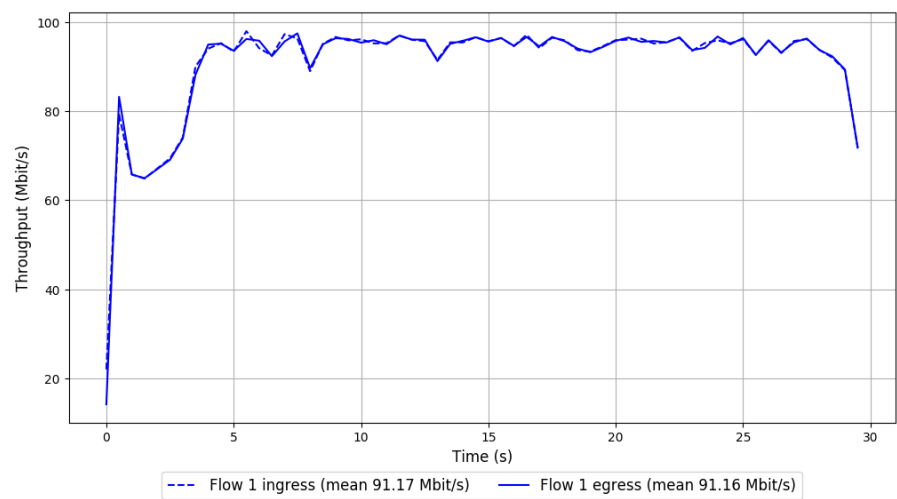


Run 9: Statistics of PCC

Start at: 2018-01-16 13:08:05
End at: 2018-01-16 13:08:35
Local clock offset: -1.292 ms
Remote clock offset: -12.532 ms

Below is generated by plot.py at 2018-01-16 17:16:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 33.791 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 33.791 ms
Loss rate: 0.09%

Run 9: Report of PCC — Data Link

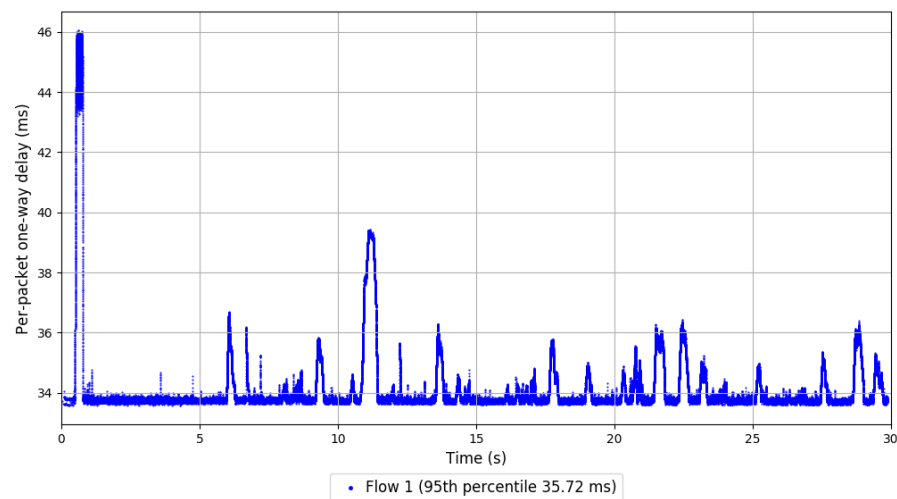
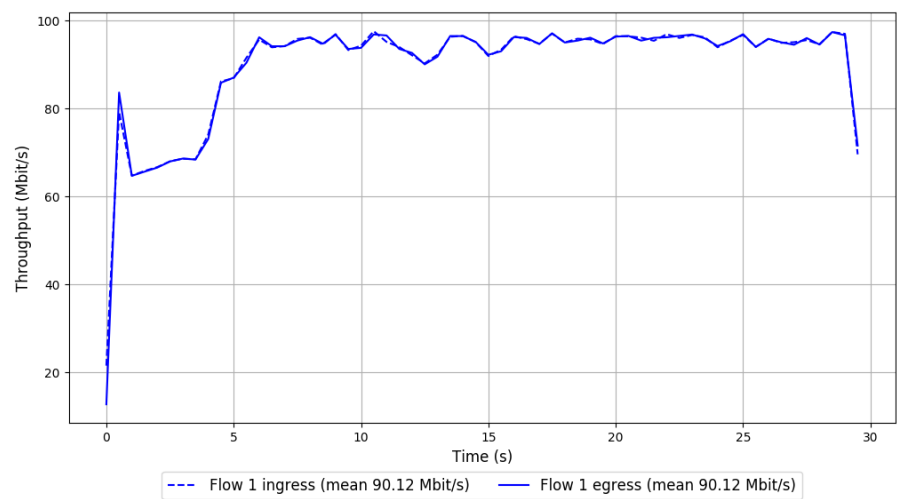


Run 10: Statistics of PCC

Start at: 2018-01-16 13:29:12
End at: 2018-01-16 13:29:42
Local clock offset: 2.113 ms
Remote clock offset: -15.432 ms

Below is generated by plot.py at 2018-01-16 17:16:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 35.717 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 35.717 ms
Loss rate: 0.09%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 10:09:24

End at: 2018-01-16 10:09:54

Local clock offset: -2.516 ms

Remote clock offset: -14.12 ms

Below is generated by plot.py at 2018-01-16 17:16:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.73 Mbit/s

95th percentile per-packet one-way delay: 44.244 ms

Loss rate: 0.12%

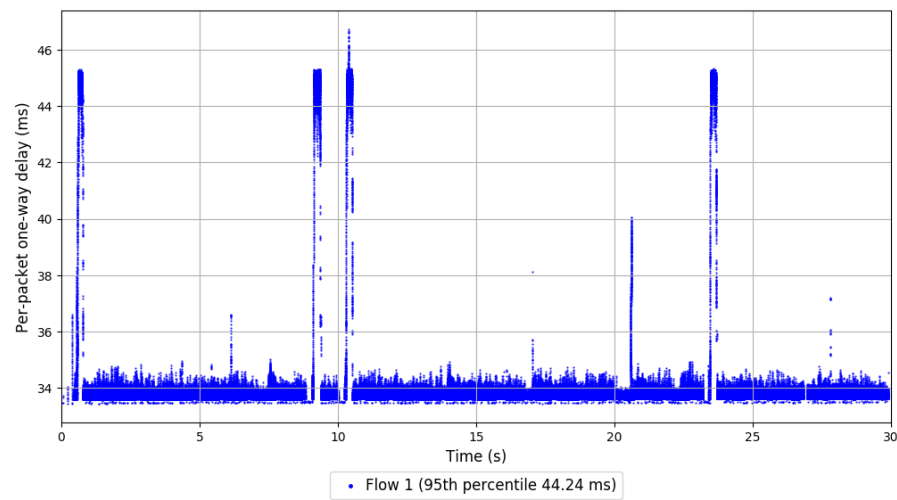
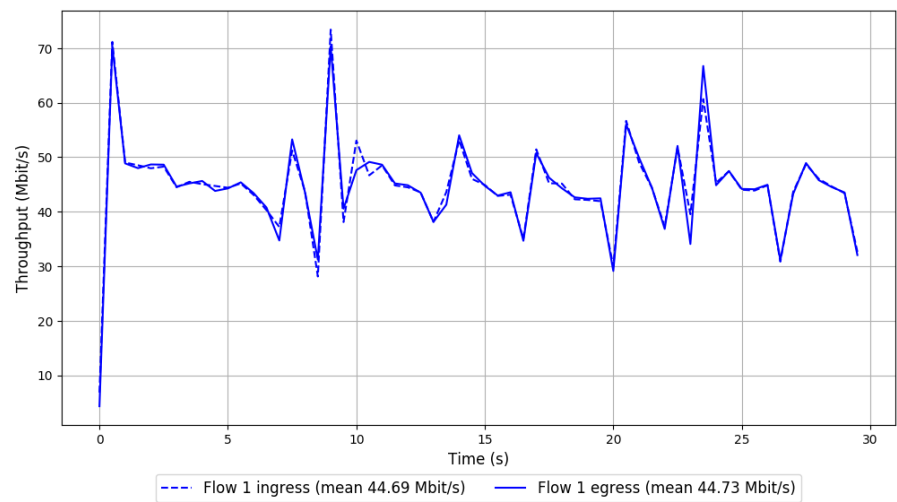
-- Flow 1:

Average throughput: 44.73 Mbit/s

95th percentile per-packet one-way delay: 44.244 ms

Loss rate: 0.12%

Run 1: Report of QUIC Cubic — Data Link

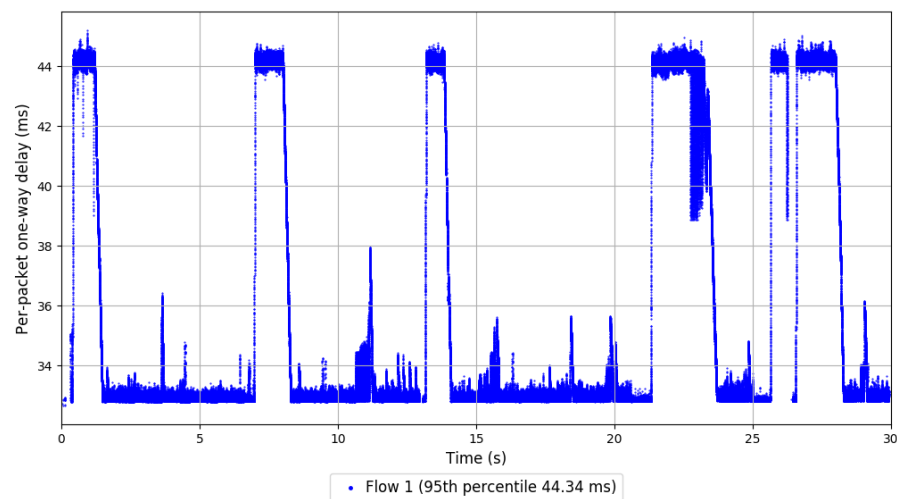
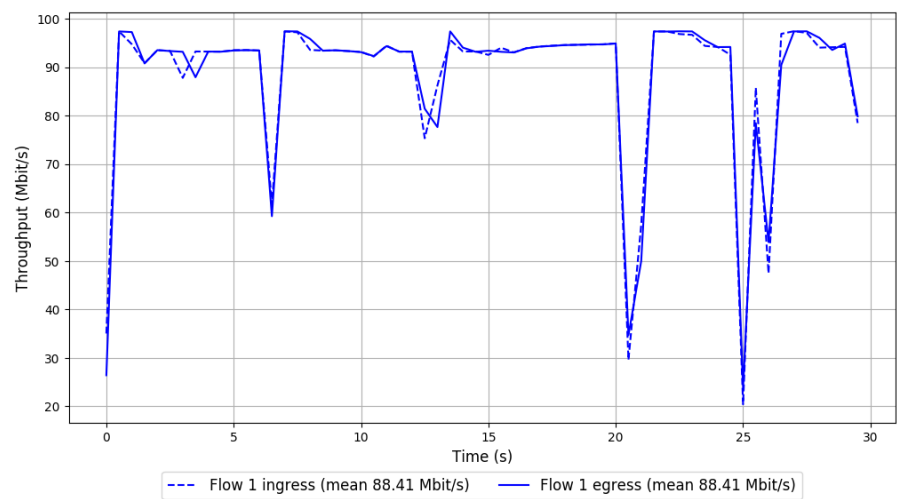


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 10:33:15
End at: 2018-01-16 10:33:45
Local clock offset: -2.557 ms
Remote clock offset: -13.908 ms

Below is generated by plot.py at 2018-01-16 17:16:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 44.340 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 44.340 ms
Loss rate: 0.09%

Run 2: Report of QUIC Cubic — Data Link

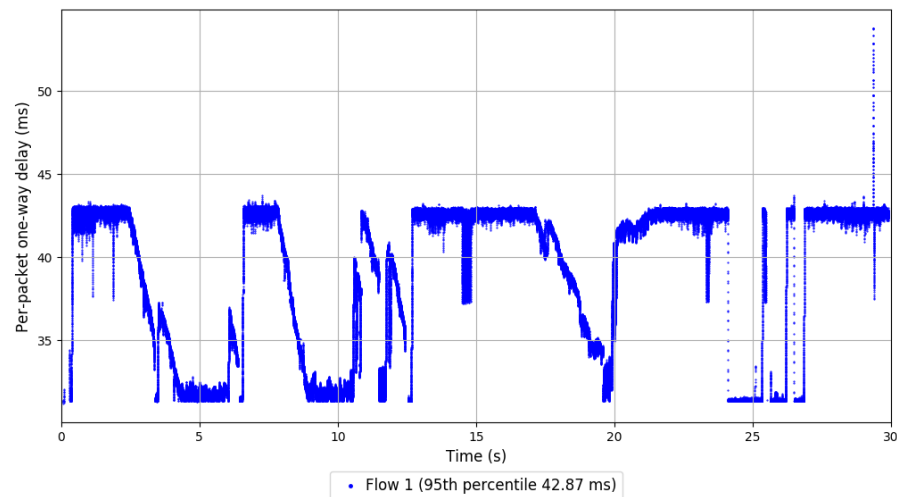
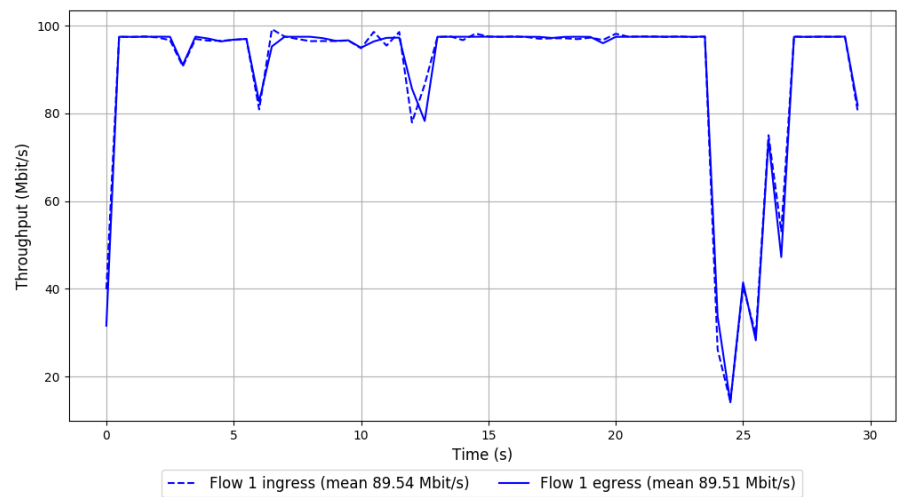


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-16 10:54:42
End at: 2018-01-16 10:55:12
Local clock offset: -4.782 ms
Remote clock offset: -14.032 ms

Below is generated by plot.py at 2018-01-16 17:16:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 42.865 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 42.865 ms
Loss rate: 0.13%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-16 11:15:57

End at: 2018-01-16 11:16:27

Local clock offset: -1.806 ms

Remote clock offset: -13.32 ms

Below is generated by plot.py at 2018-01-16 17:16:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 45.896 ms

Loss rate: 0.13%

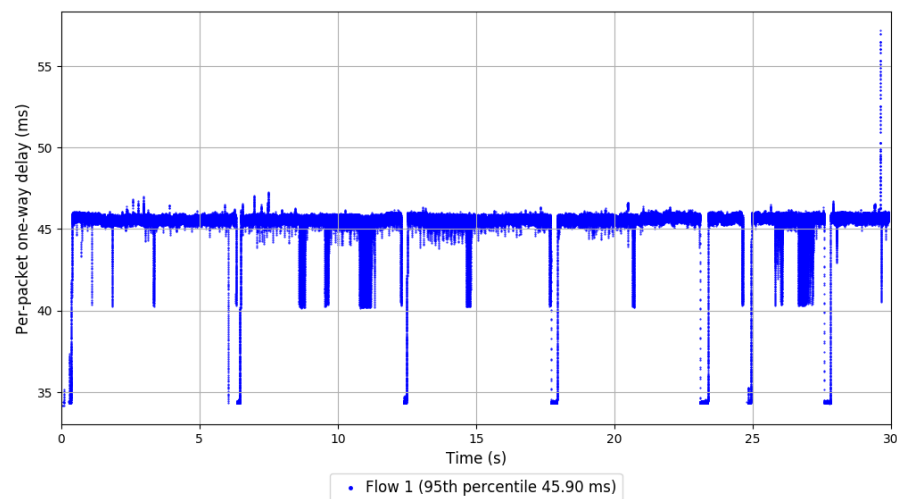
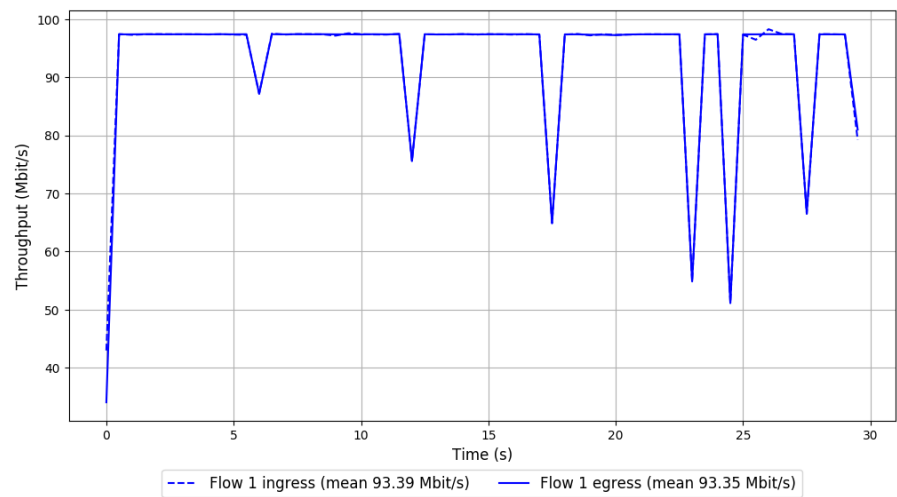
-- Flow 1:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 45.896 ms

Loss rate: 0.13%

Run 4: Report of QUIC Cubic — Data Link

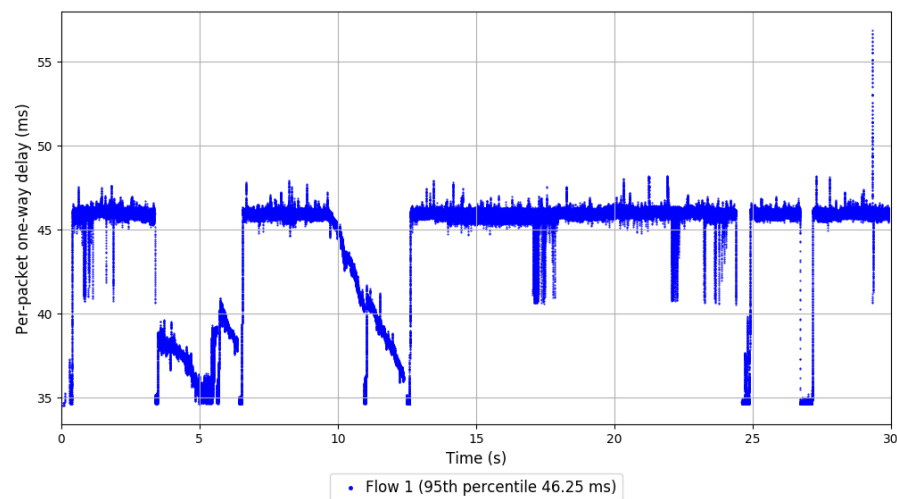
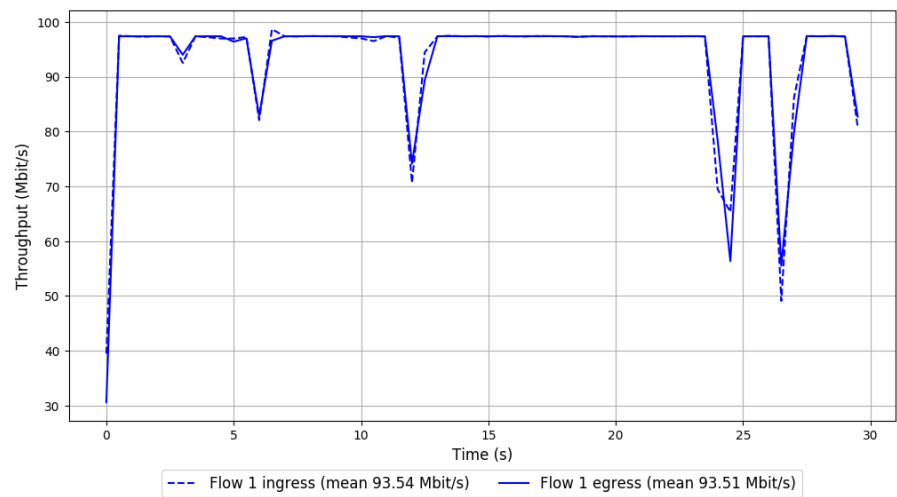


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-16 11:37:43
End at: 2018-01-16 11:38:13
Local clock offset: -0.164 ms
Remote clock offset: -12.117 ms

Below is generated by plot.py at 2018-01-16 17:17:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 46.251 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 46.251 ms
Loss rate: 0.13%

Run 5: Report of QUIC Cubic — Data Link

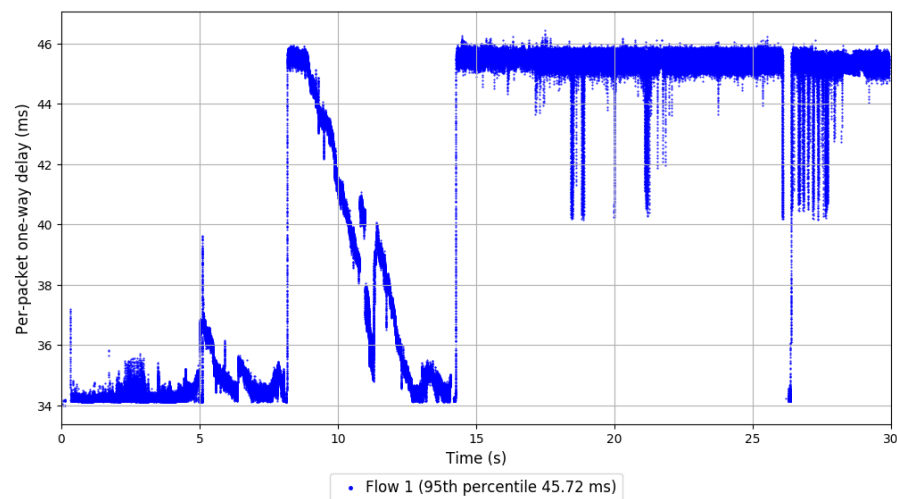
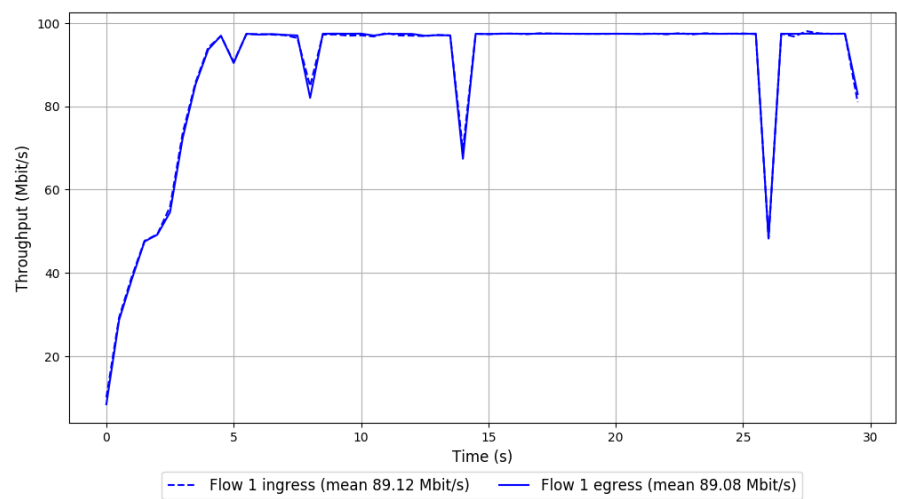


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-16 11:59:07
End at: 2018-01-16 11:59:37
Local clock offset: -1.803 ms
Remote clock offset: -14.091 ms

Below is generated by plot.py at 2018-01-16 17:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.08 Mbit/s
95th percentile per-packet one-way delay: 45.720 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 89.08 Mbit/s
95th percentile per-packet one-way delay: 45.720 ms
Loss rate: 0.13%

Run 6: Report of QUIC Cubic — Data Link

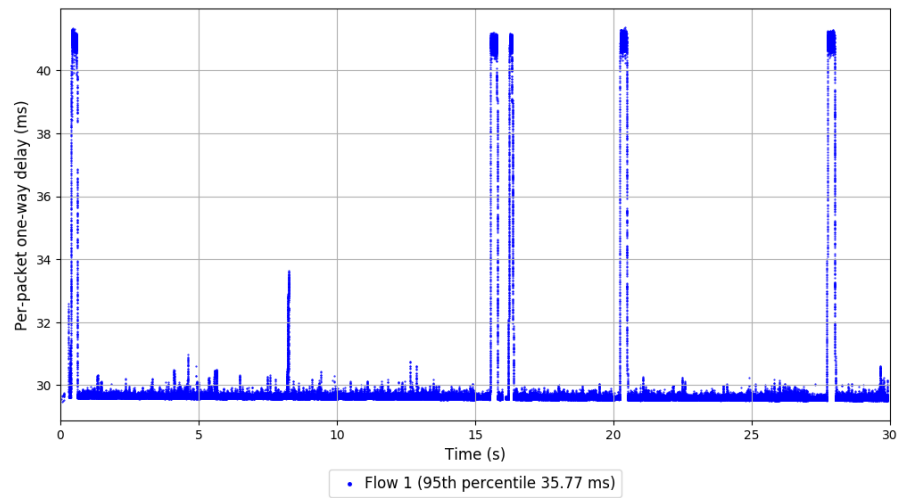
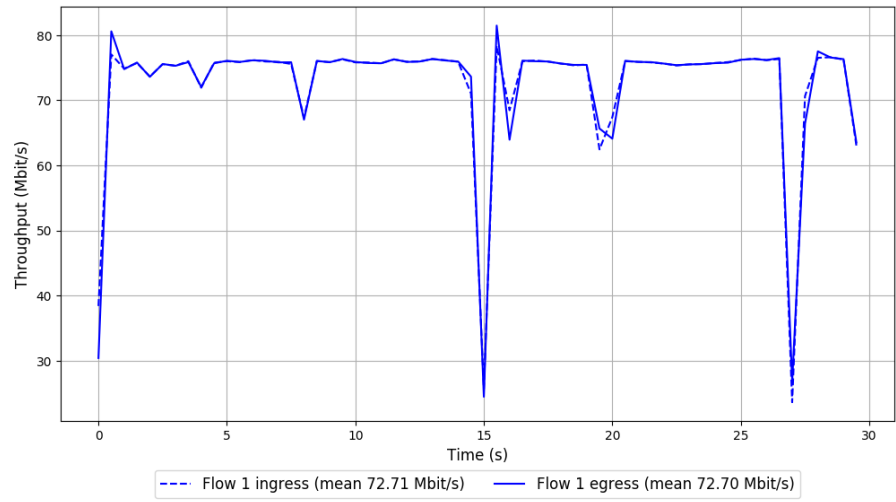


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-16 12:20:18
End at: 2018-01-16 12:20:48
Local clock offset: -1.724 ms
Remote clock offset: -10.194 ms

Below is generated by plot.py at 2018-01-16 17:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 35.772 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 35.772 ms
Loss rate: 0.09%

Run 7: Report of QUIC Cubic — Data Link

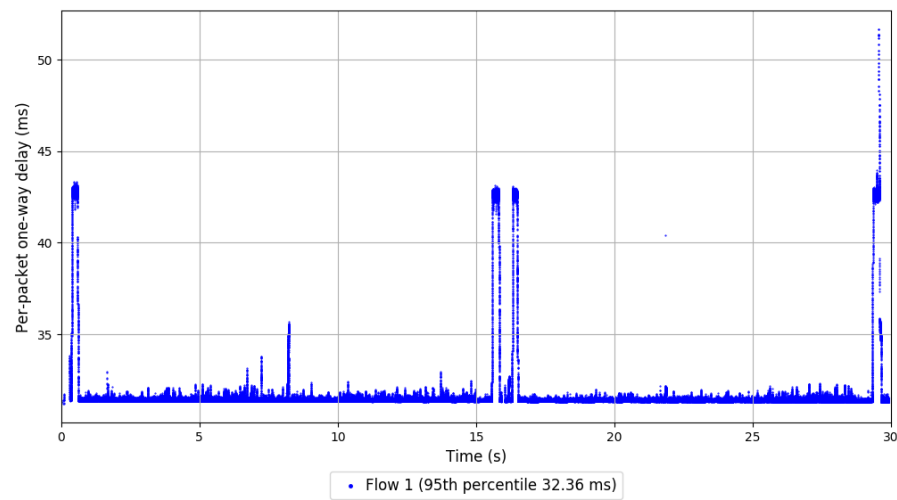
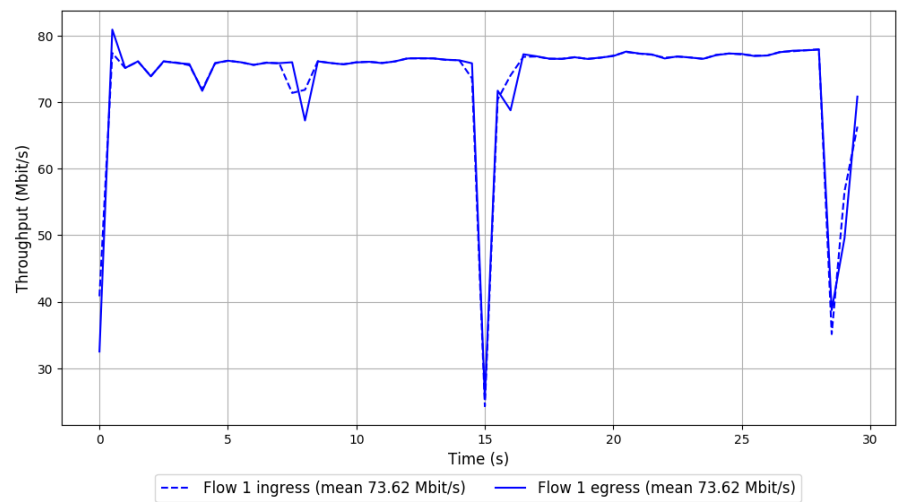


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-16 12:41:14
End at: 2018-01-16 12:41:44
Local clock offset: -0.5 ms
Remote clock offset: -12.844 ms

Below is generated by plot.py at 2018-01-16 17:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.62 Mbit/s
95th percentile per-packet one-way delay: 32.361 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.62 Mbit/s
95th percentile per-packet one-way delay: 32.361 ms
Loss rate: 0.09%

Run 8: Report of QUIC Cubic — Data Link

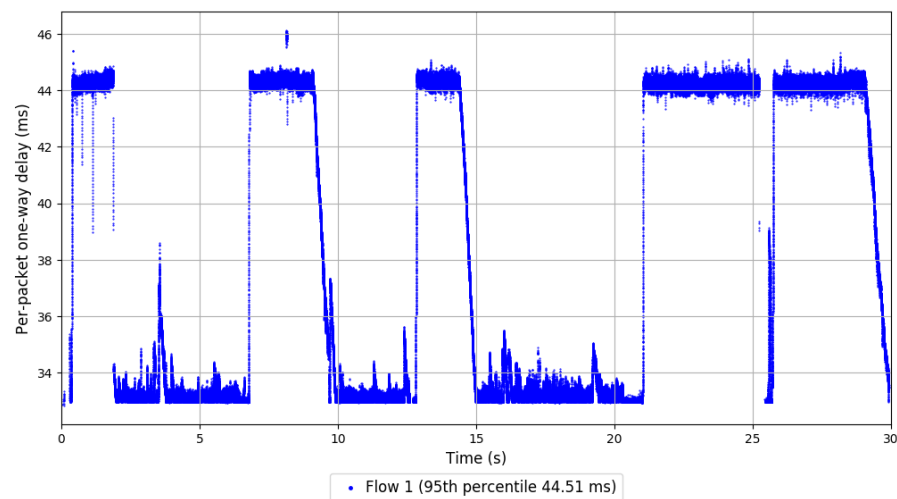
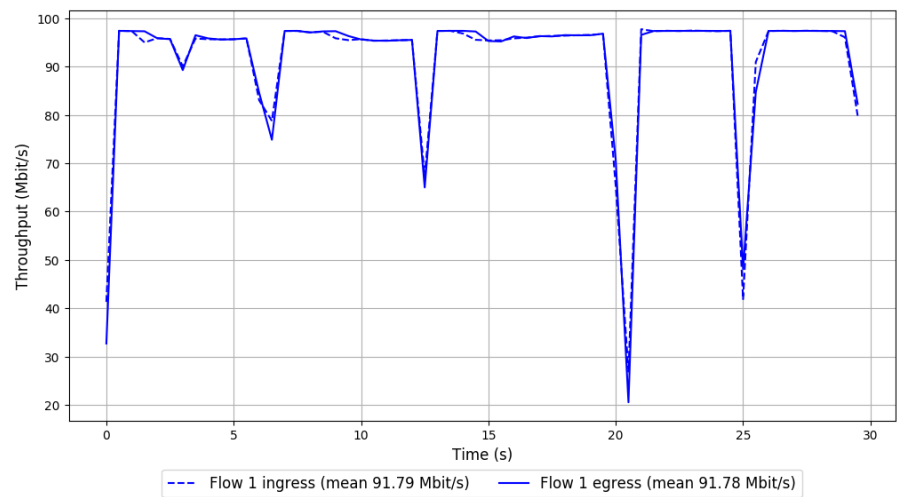


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-16 13:02:23
End at: 2018-01-16 13:02:53
Local clock offset: 0.551 ms
Remote clock offset: -14.415 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.78 Mbit/s
95th percentile per-packet one-way delay: 44.513 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.78 Mbit/s
95th percentile per-packet one-way delay: 44.513 ms
Loss rate: 0.09%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-16 13:23:33

End at: 2018-01-16 13:24:03

Local clock offset: 1.429 ms

Remote clock offset: -14.294 ms

Below is generated by plot.py at 2018-01-16 17:18:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 33.306 ms

Loss rate: 0.11%

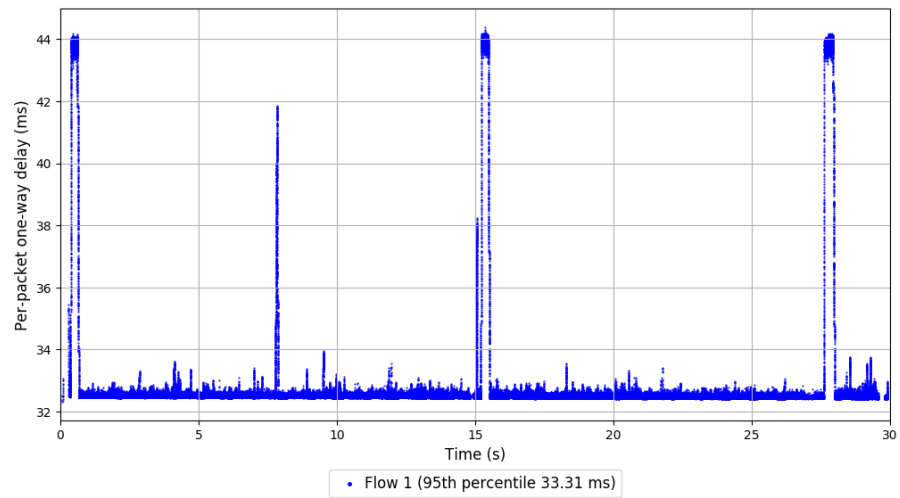
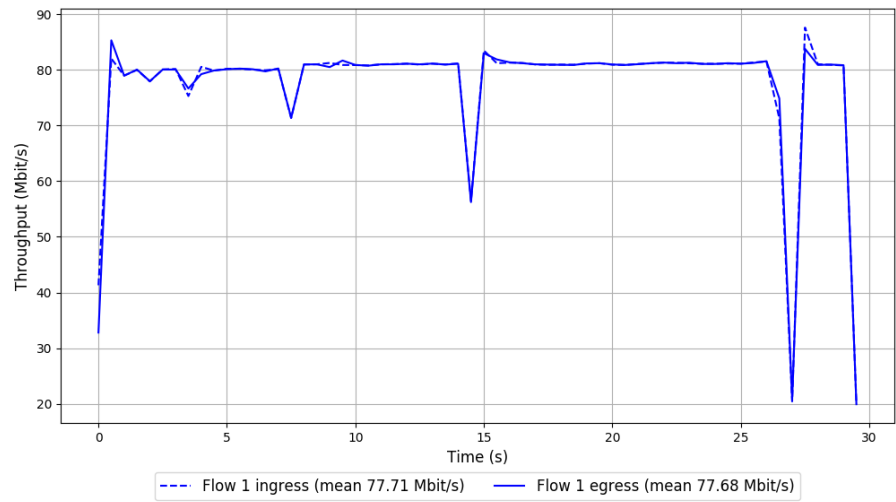
-- Flow 1:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 33.306 ms

Loss rate: 0.11%

Run 10: Report of QUIC Cubic — Data Link

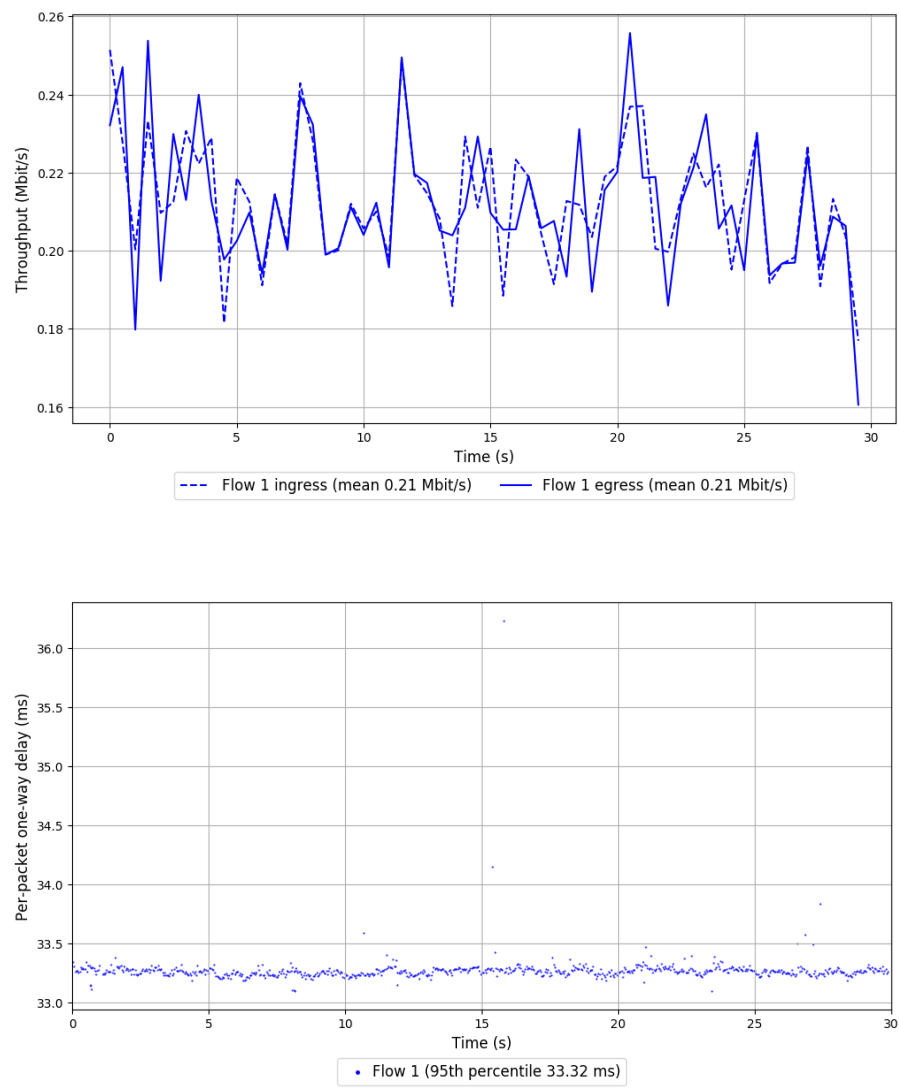


```
Run 1: Statistics of SCReAM

Start at: 2018-01-16 10:04:44
End at: 2018-01-16 10:05:14
Local clock offset: -1.706 ms
Remote clock offset: -13.127 ms

# Below is generated by plot.py at 2018-01-16 17:18:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.324 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.324 ms
Loss rate: 0.25%
```

Run 1: Report of SReAM — Data Link

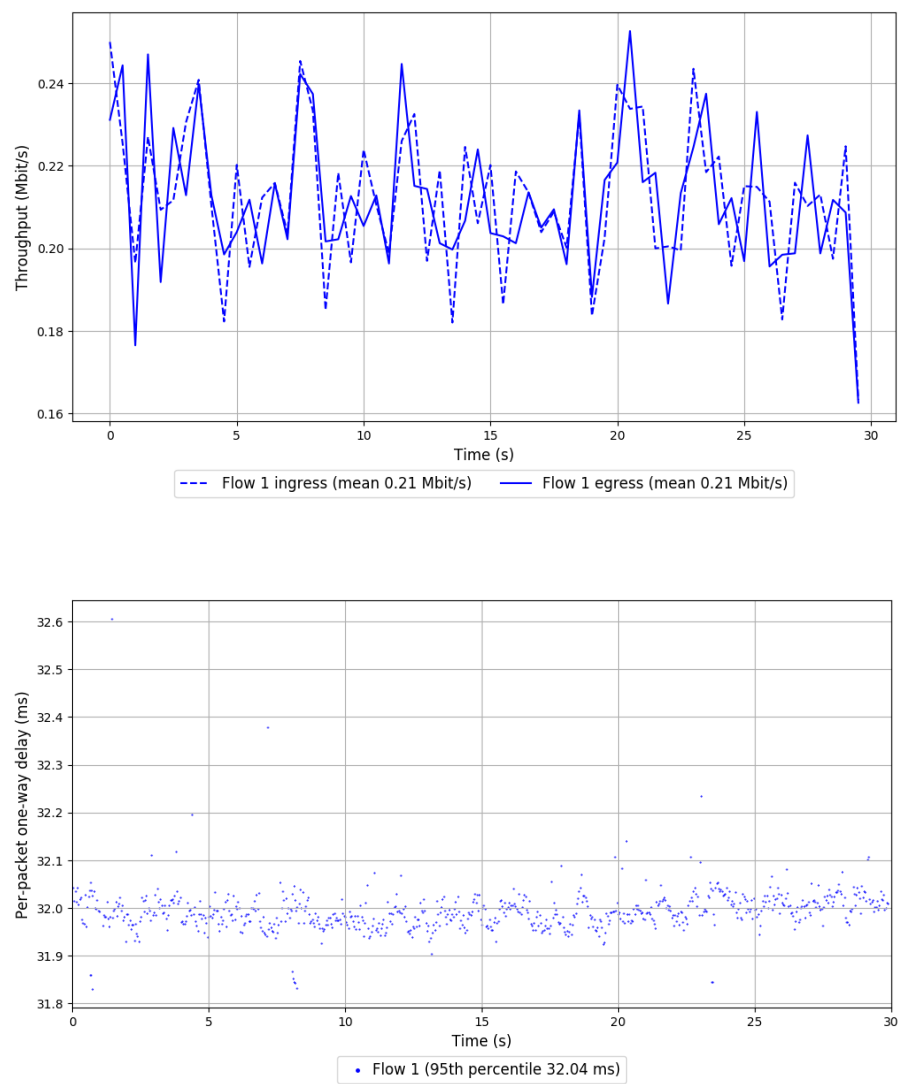


Run 2: Statistics of SCReAM

Start at: 2018-01-16 10:28:29
End at: 2018-01-16 10:28:59
Local clock offset: -2.116 ms
Remote clock offset: -12.797 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.043 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.043 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

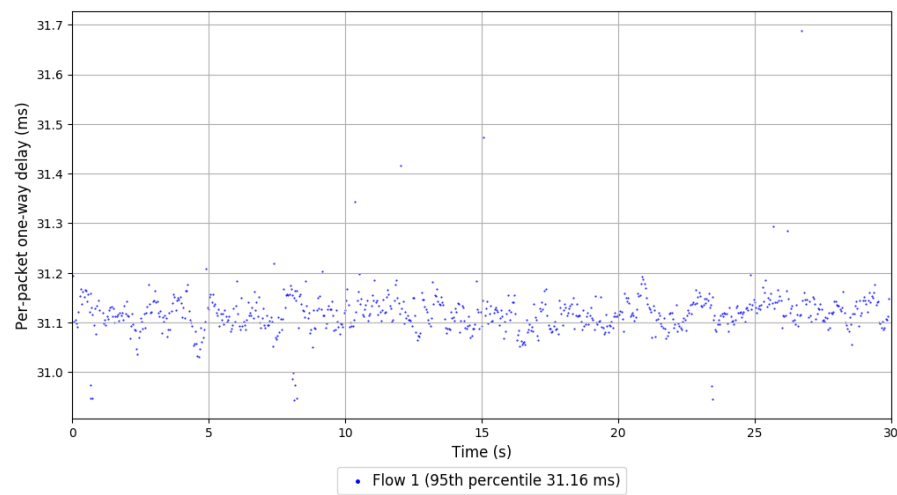
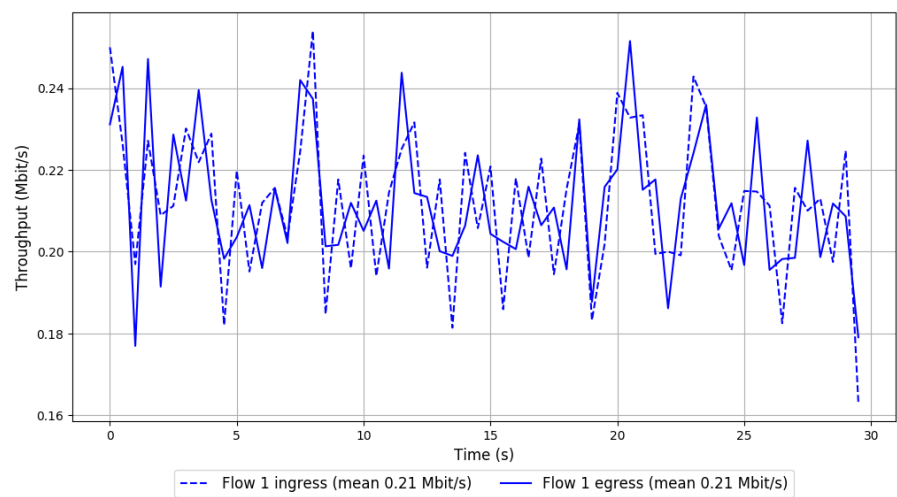


Run 3: Statistics of SCReAM

Start at: 2018-01-16 10:49:57
End at: 2018-01-16 10:50:27
Local clock offset: -3.94 ms
Remote clock offset: -13.109 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.165 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

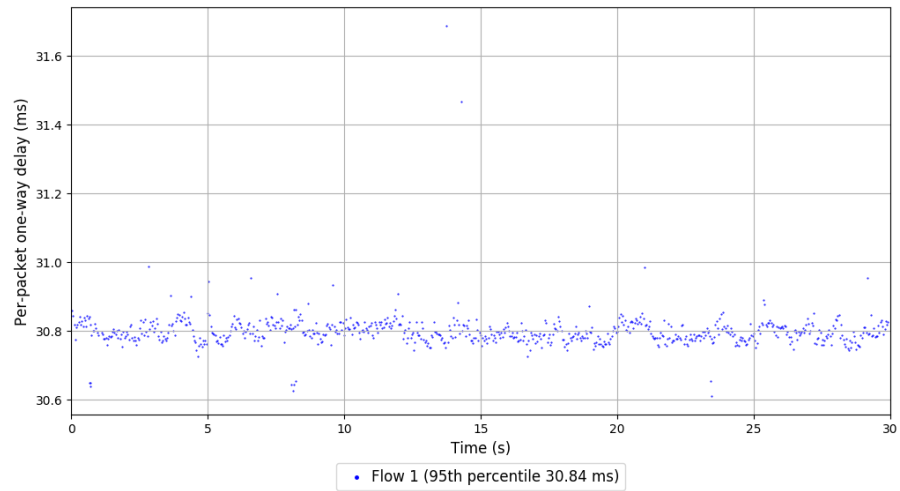
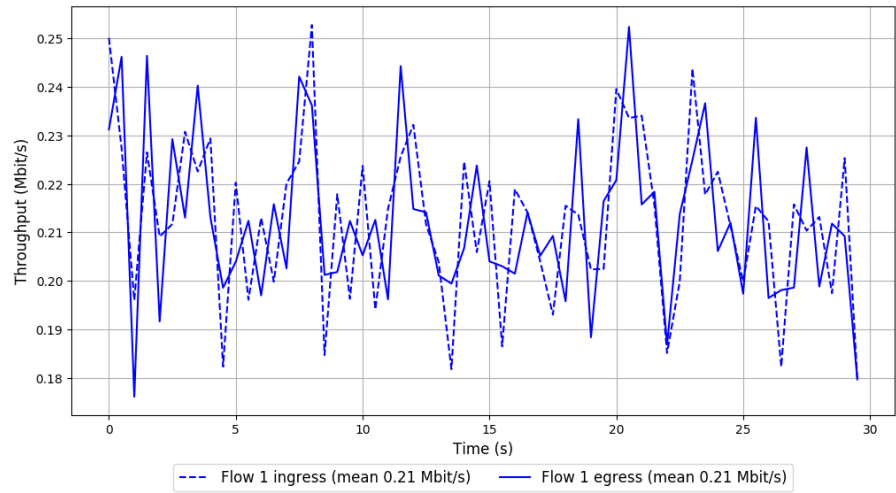


Run 4: Statistics of SCReAM

Start at: 2018-01-16 11:11:10
End at: 2018-01-16 11:11:40
Local clock offset: -4.59 ms
Remote clock offset: -12.614 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.844 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.844 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

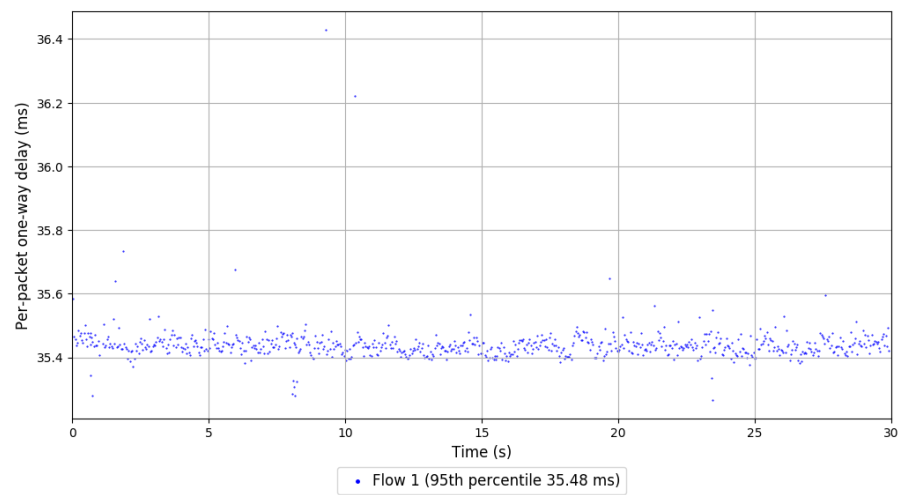
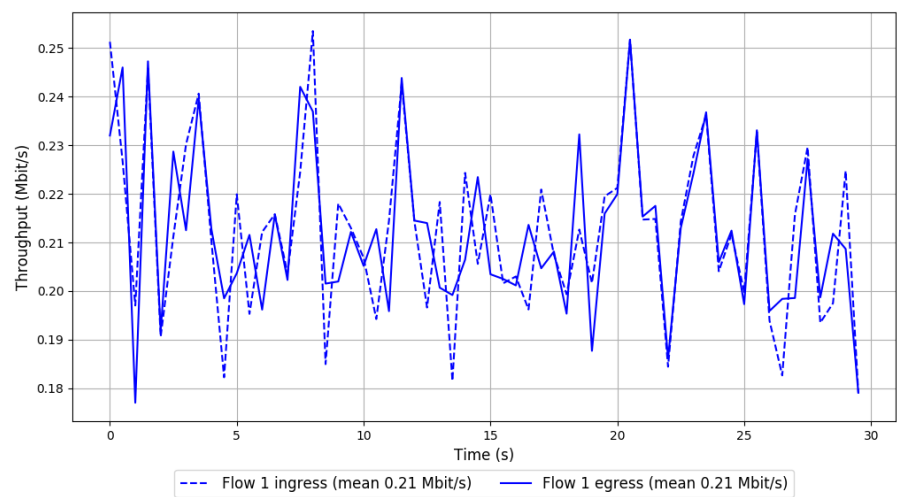


Run 5: Statistics of SCReAM

Start at: 2018-01-16 11:32:46
End at: 2018-01-16 11:33:16
Local clock offset: -0.241 ms
Remote clock offset: -12.909 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.484 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.484 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

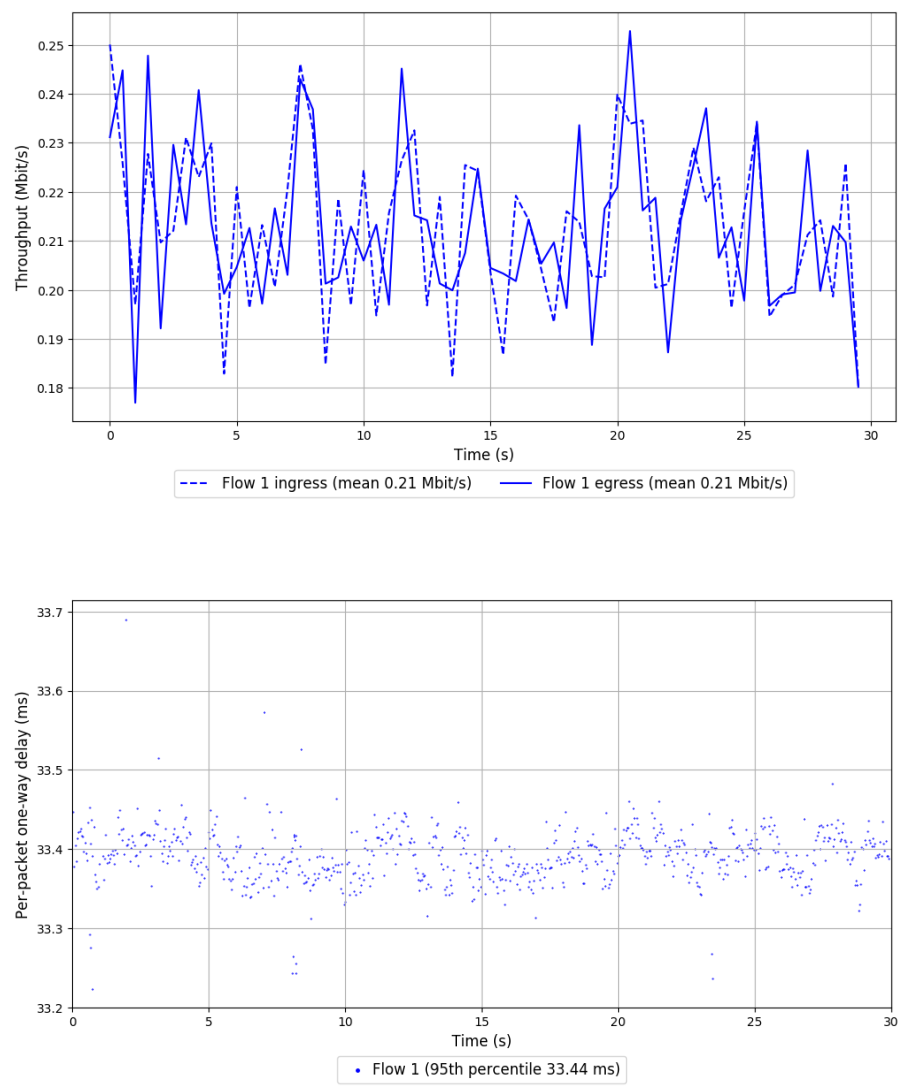


Run 6: Statistics of SCReAM

Start at: 2018-01-16 11:54:29
End at: 2018-01-16 11:54:59
Local clock offset: -1.006 ms
Remote clock offset: -12.488 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.439 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.439 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

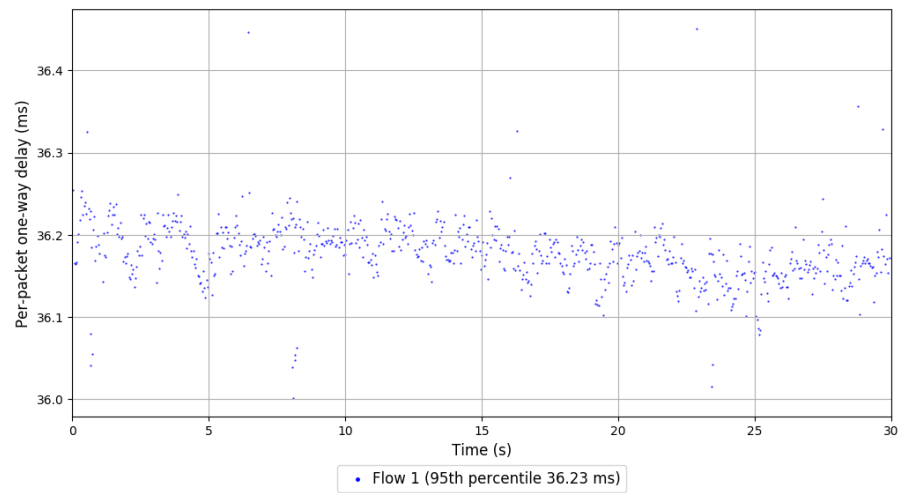
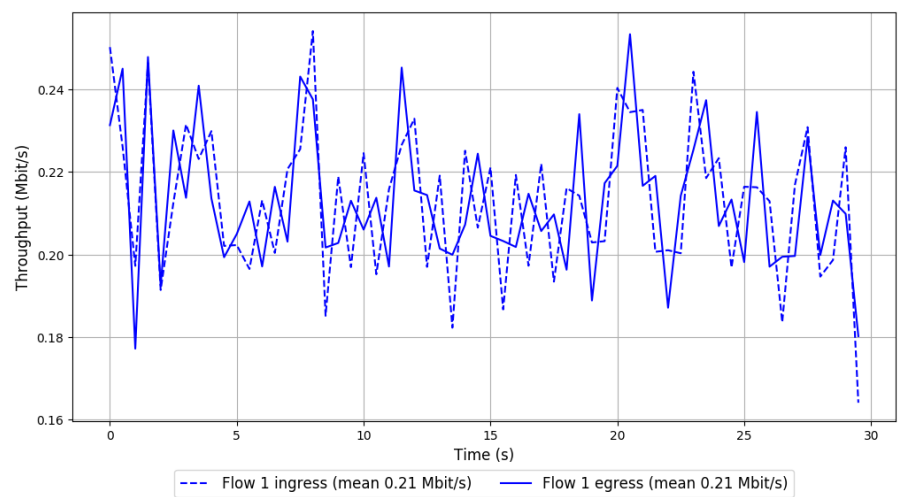


Run 7: Statistics of SReAM

Start at: 2018-01-16 12:15:37
End at: 2018-01-16 12:16:07
Local clock offset: 1.123 ms
Remote clock offset: -13.616 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.225 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

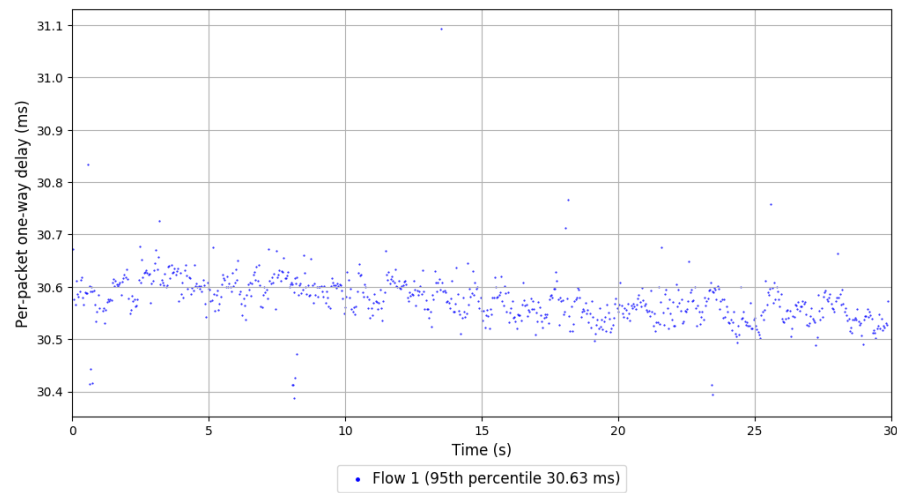
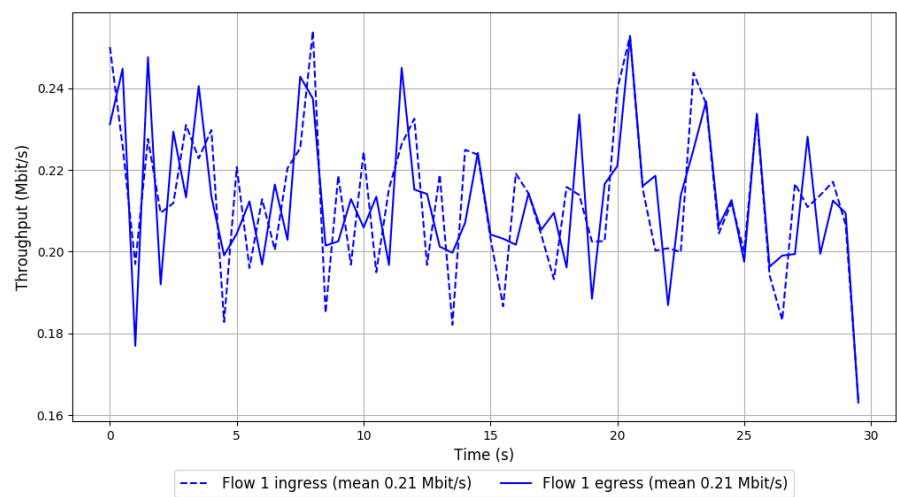


Run 8: Statistics of SCReAM

Start at: 2018-01-16 12:36:41
End at: 2018-01-16 12:37:11
Local clock offset: -0.656 ms
Remote clock offset: -11.81 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.633 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.633 ms
Loss rate: 0.13%

Run 8: Report of SCRaM — Data Link

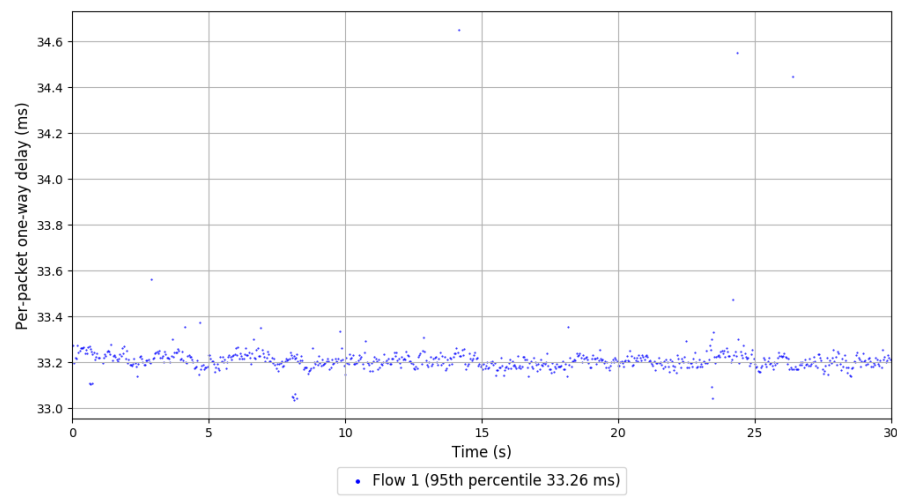
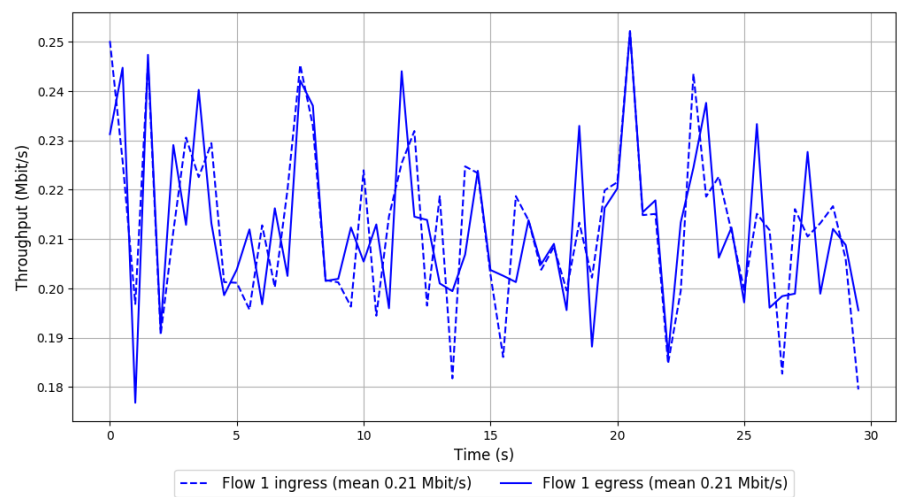


Run 9: Statistics of SCReAM

Start at: 2018-01-16 12:57:43
End at: 2018-01-16 12:58:13
Local clock offset: 0.806 ms
Remote clock offset: -14.311 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.259 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

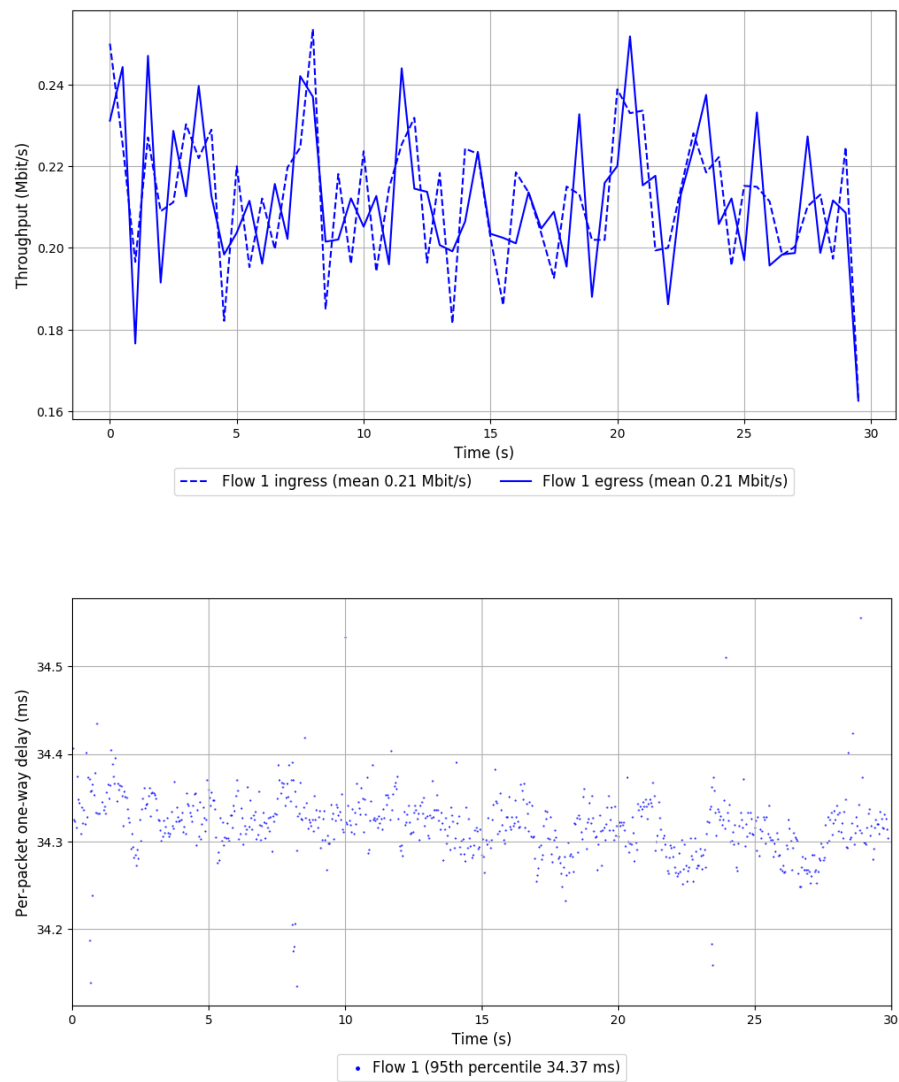


Run 10: Statistics of SCReAM

Start at: 2018-01-16 13:18:47
End at: 2018-01-16 13:19:17
Local clock offset: 2.145 ms
Remote clock offset: -15.059 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.367 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.367 ms
Loss rate: 0.13%

Run 10: Report of SCReAM — Data Link

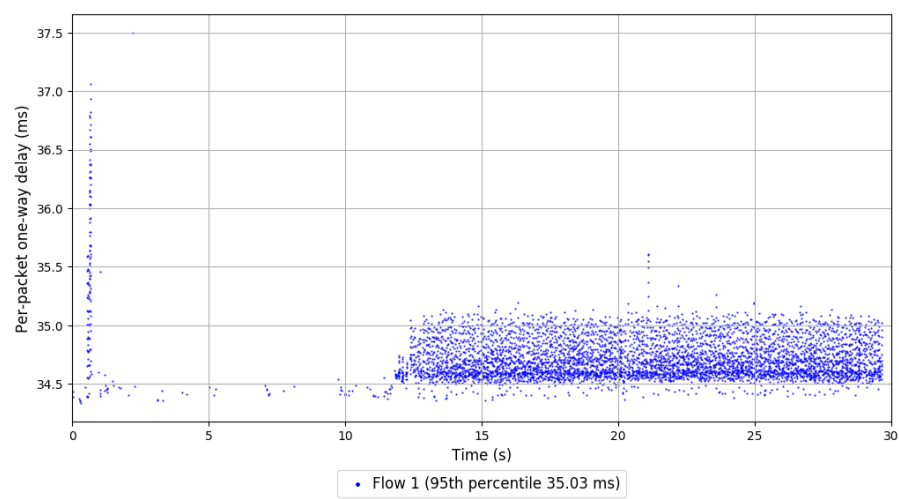
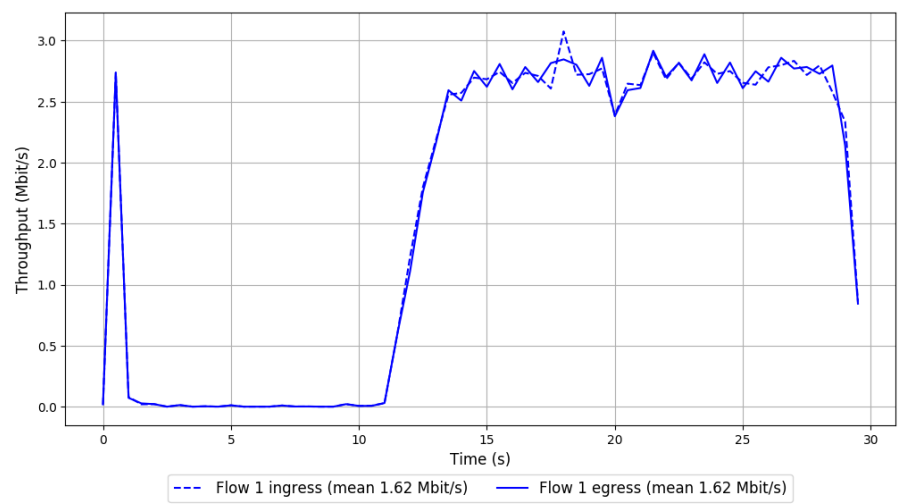


Run 1: Statistics of WebRTC media

Start at: 2018-01-16 10:13:27
End at: 2018-01-16 10:13:57
Local clock offset: -2.089 ms
Remote clock offset: -14.42 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 35.035 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 35.035 ms
Loss rate: 0.22%

Run 1: Report of WebRTC media — Data Link

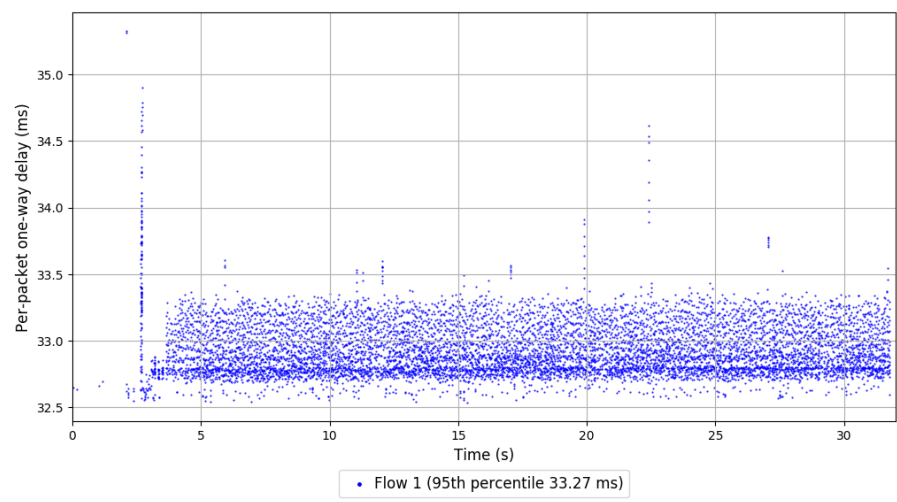
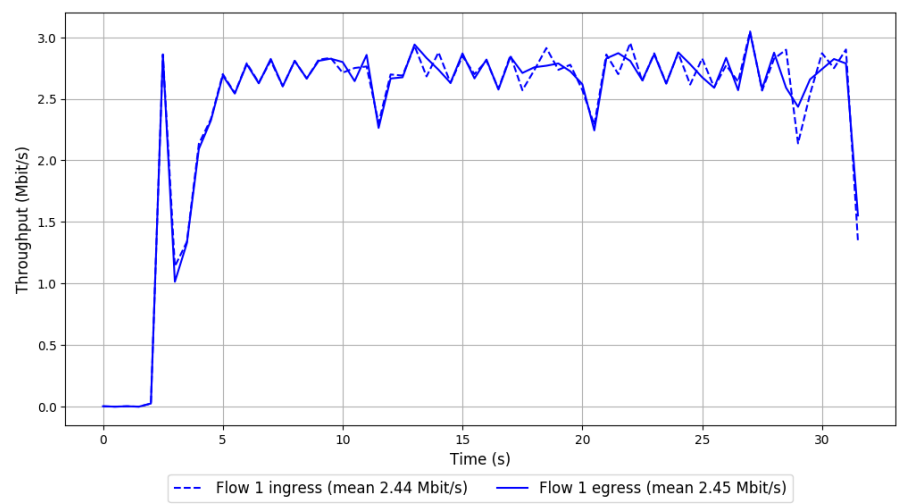


Run 2: Statistics of WebRTC media

Start at: 2018-01-16 10:36:59
End at: 2018-01-16 10:37:29
Local clock offset: -3.026 ms
Remote clock offset: -14.178 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 33.270 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 33.270 ms
Loss rate: 0.01%

Run 2: Report of WebRTC media — Data Link

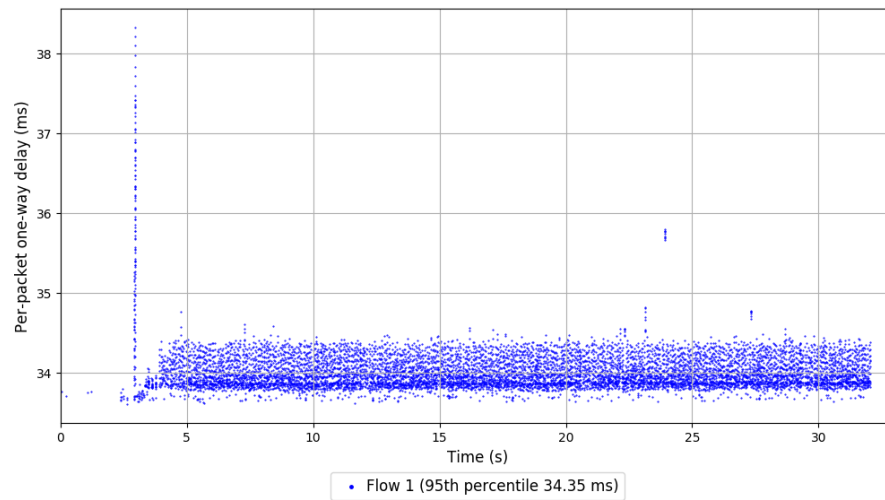
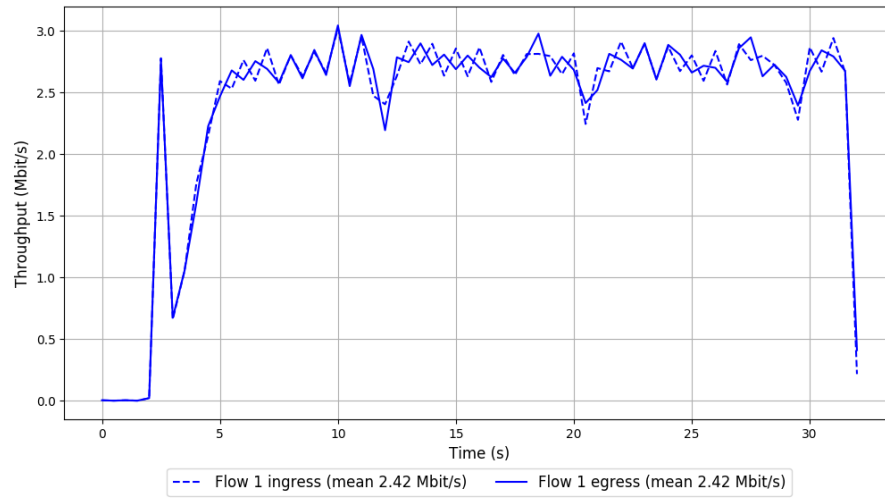


Run 3: Statistics of WebRTC media

Start at: 2018-01-16 10:58:21
End at: 2018-01-16 10:58:51
Local clock offset: -1.797 ms
Remote clock offset: -13.351 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 34.348 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 34.348 ms
Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link

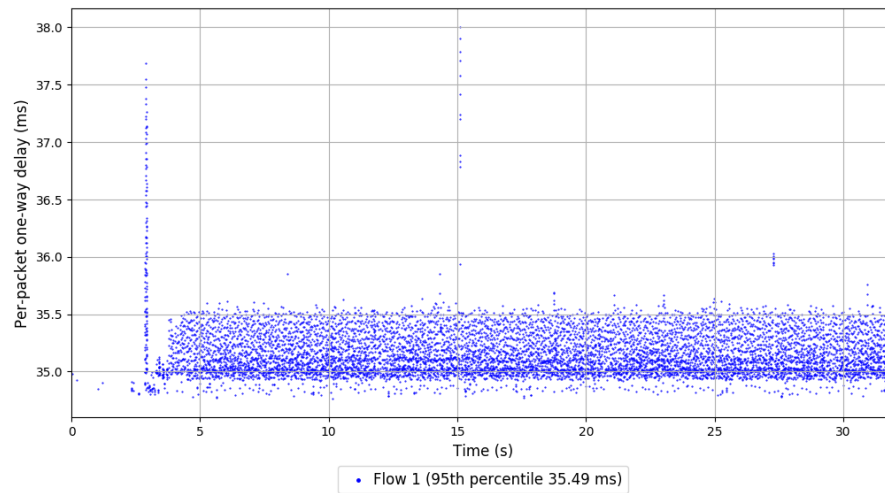
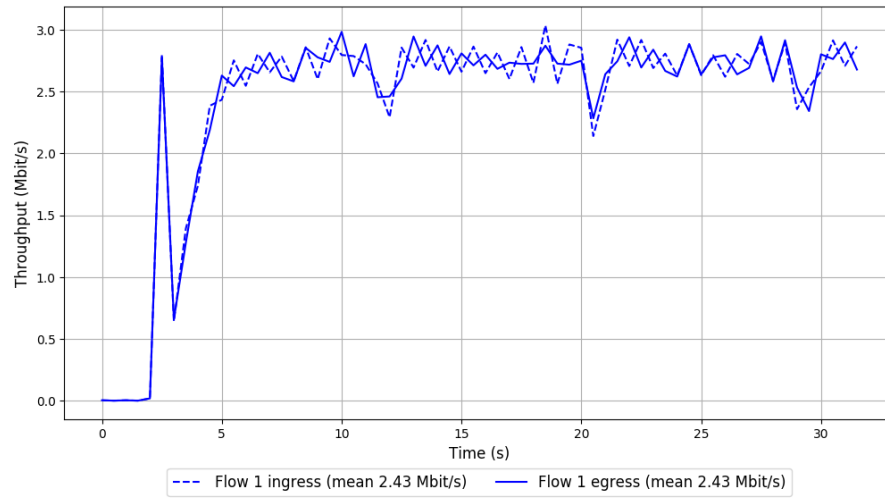


Run 4: Statistics of WebRTC media

Start at: 2018-01-16 11:19:31
End at: 2018-01-16 11:20:01
Local clock offset: -0.556 ms
Remote clock offset: -12.711 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 35.492 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 35.492 ms
Loss rate: 0.14%

Run 4: Report of WebRTC media — Data Link

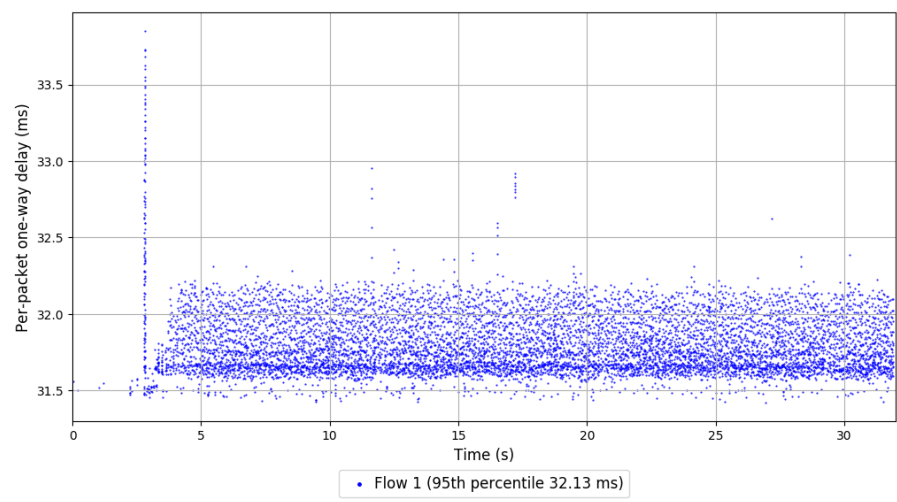
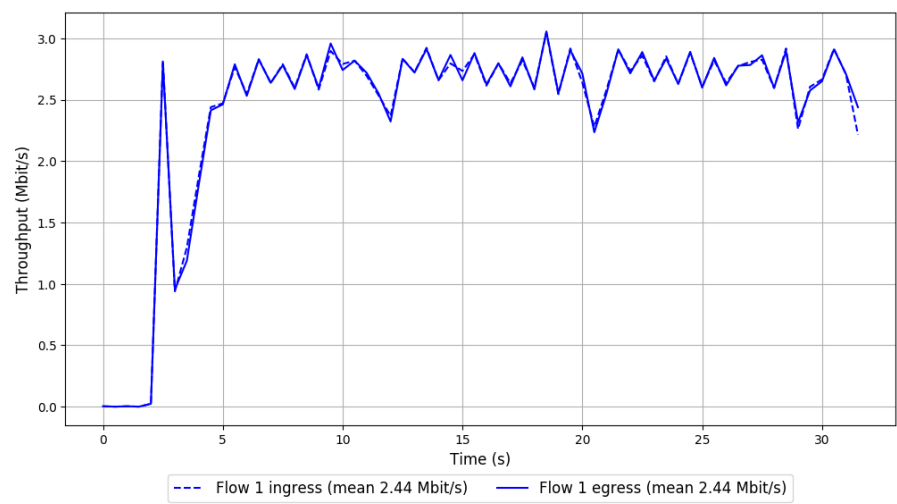


Run 5: Statistics of WebRTC media

Start at: 2018-01-16 11:41:25
End at: 2018-01-16 11:41:55
Local clock offset: -3.579 ms
Remote clock offset: -12.526 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 32.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 32.129 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

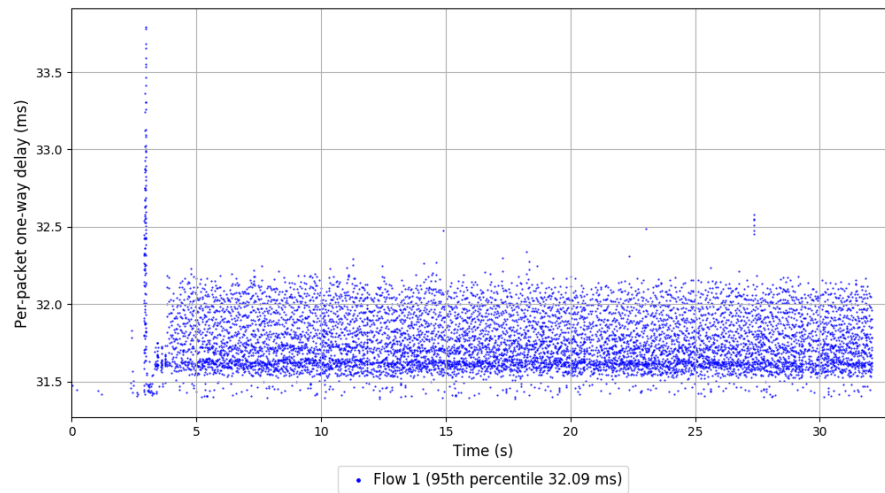
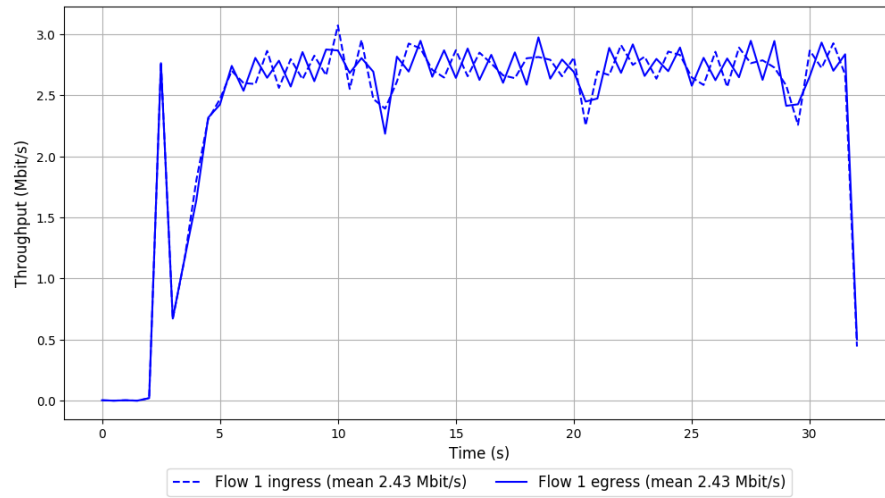


Run 6: Statistics of WebRTC media

Start at: 2018-01-16 12:02:42
End at: 2018-01-16 12:03:12
Local clock offset: -1.804 ms
Remote clock offset: -11.544 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 32.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 32.095 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

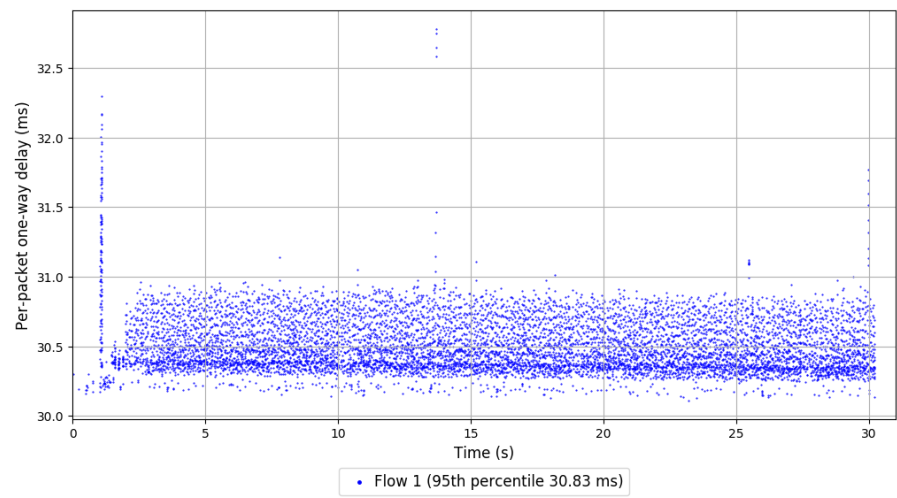
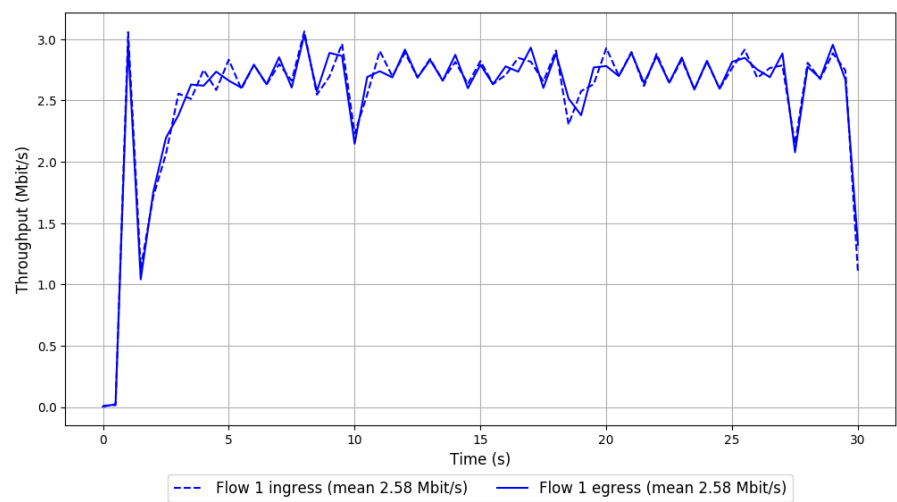


Run 7: Statistics of WebRTC media

Start at: 2018-01-16 12:23:50
End at: 2018-01-16 12:24:20
Local clock offset: -1.622 ms
Remote clock offset: -11.248 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 30.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 30.833 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

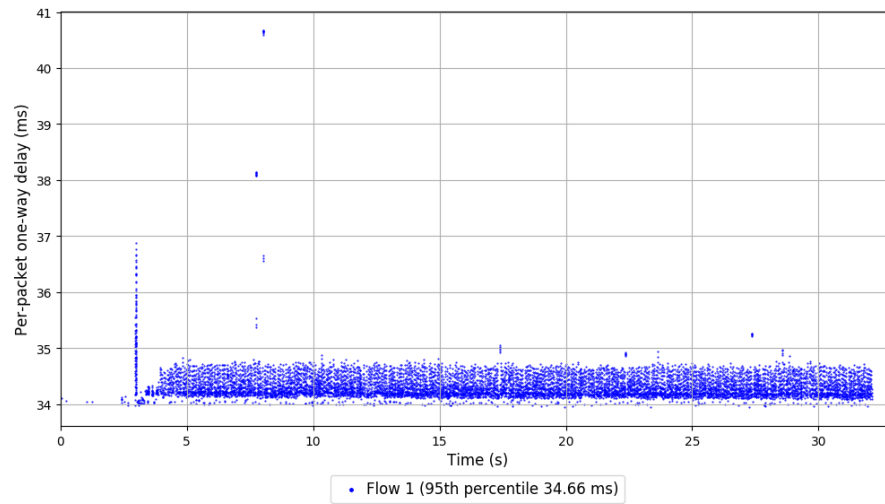
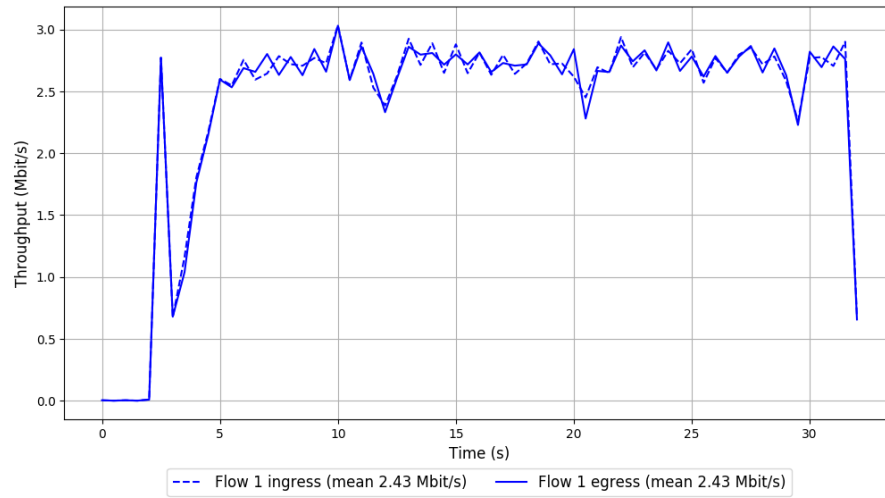


Run 8: Statistics of WebRTC media

Start at: 2018-01-16 12:44:50
End at: 2018-01-16 12:45:20
Local clock offset: 1.125 ms
Remote clock offset: -14.362 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 34.659 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 34.659 ms
Loss rate: 0.15%

Run 8: Report of WebRTC media — Data Link

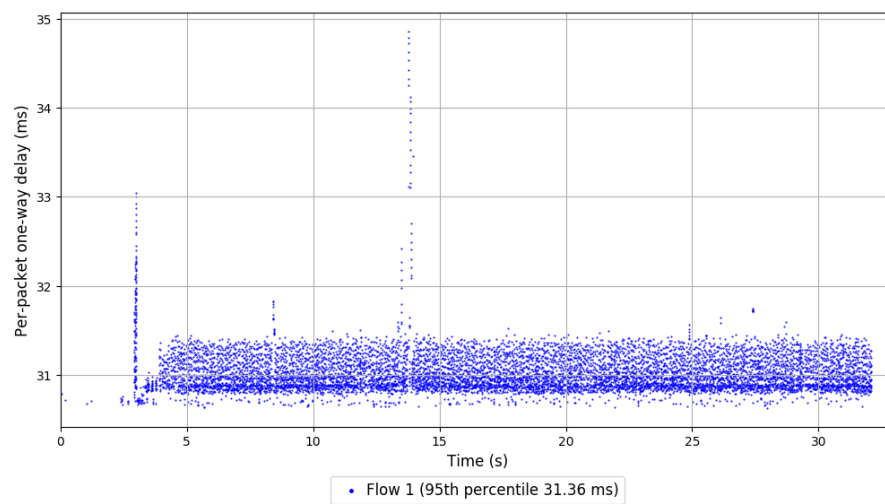
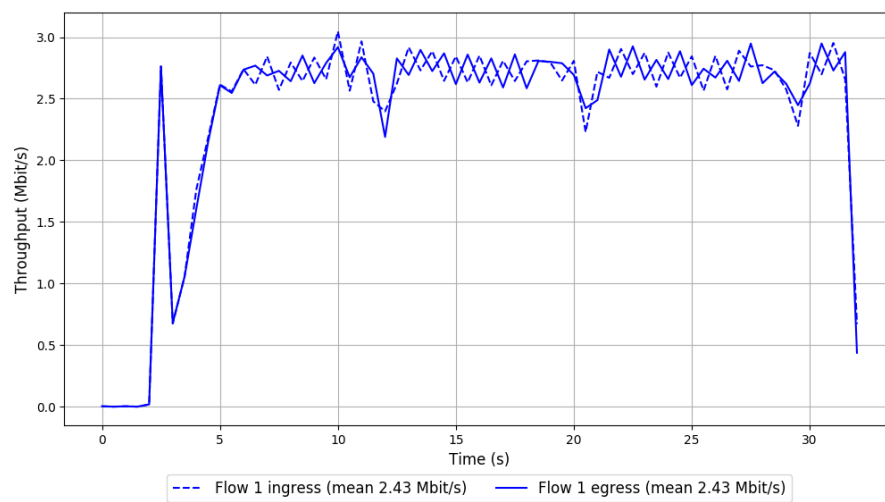


Run 9: Statistics of WebRTC media

Start at: 2018-01-16 13:05:55
End at: 2018-01-16 13:06:25
Local clock offset: -0.035 ms
Remote clock offset: -12.885 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 0.15%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-16 13:27:02

End at: 2018-01-16 13:27:32

Local clock offset: 2.435 ms

Remote clock offset: -14.535 ms

Below is generated by plot.py at 2018-01-16 17:18:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 33.905 ms

Loss rate: 0.14%

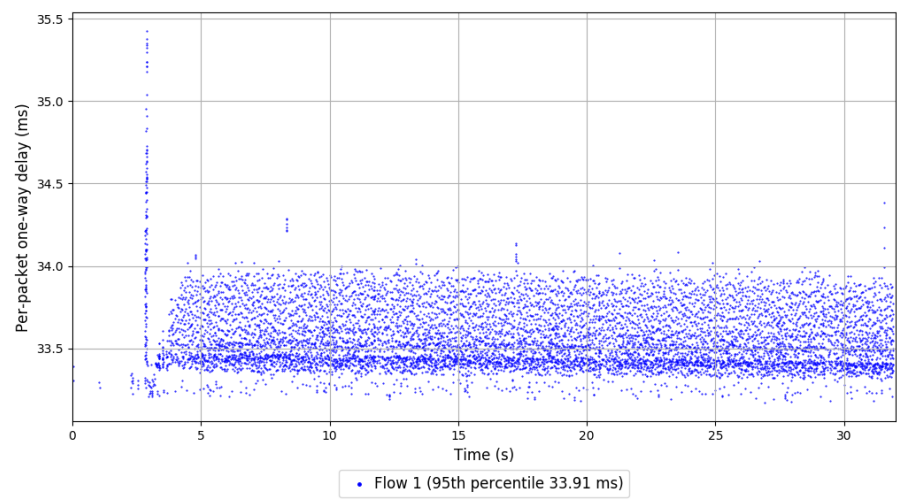
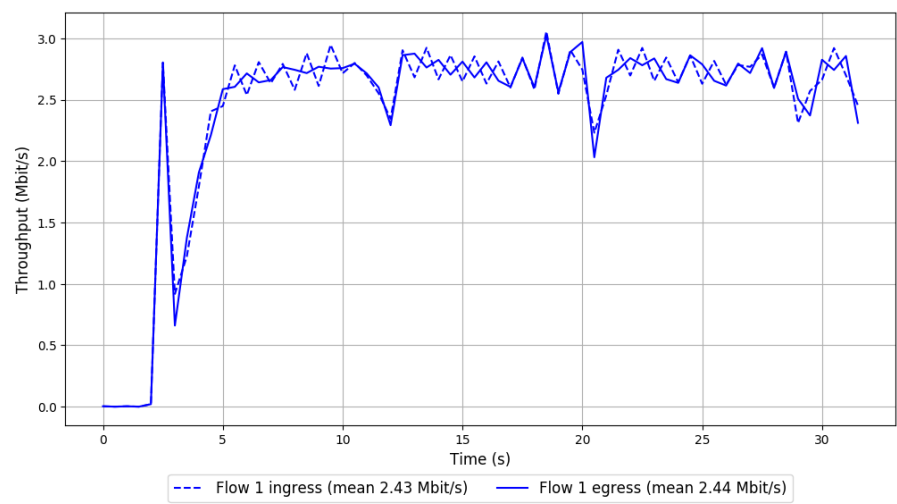
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 33.905 ms

Loss rate: 0.14%

Run 10: Report of WebRTC media — Data Link

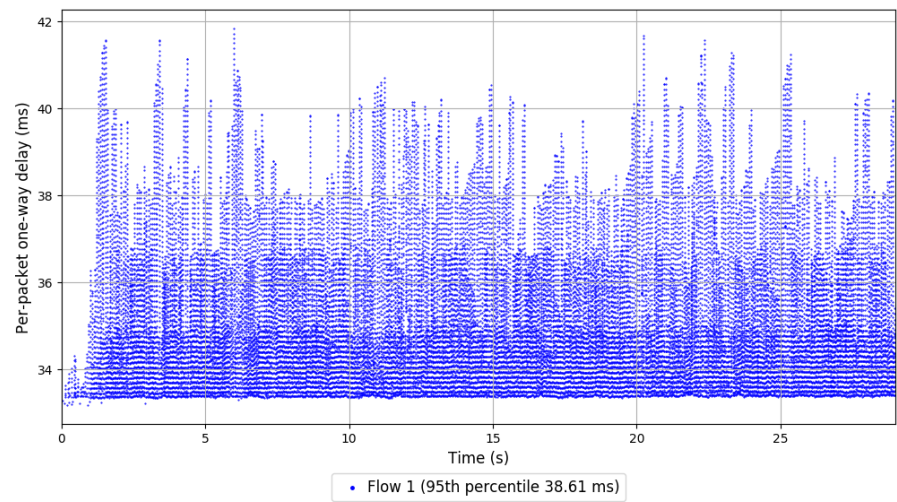
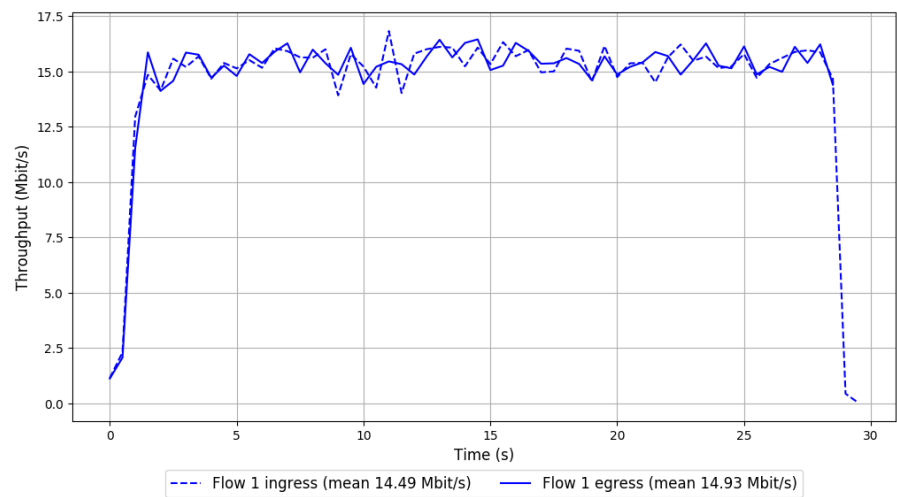


Run 1: Statistics of Sprout

Start at: 2018-01-16 10:14:59
End at: 2018-01-16 10:15:29
Local clock offset: -2.124 ms
Remote clock offset: -13.17 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 38.609 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 38.609 ms
Loss rate: 0.23%

Run 1: Report of Sprout — Data Link

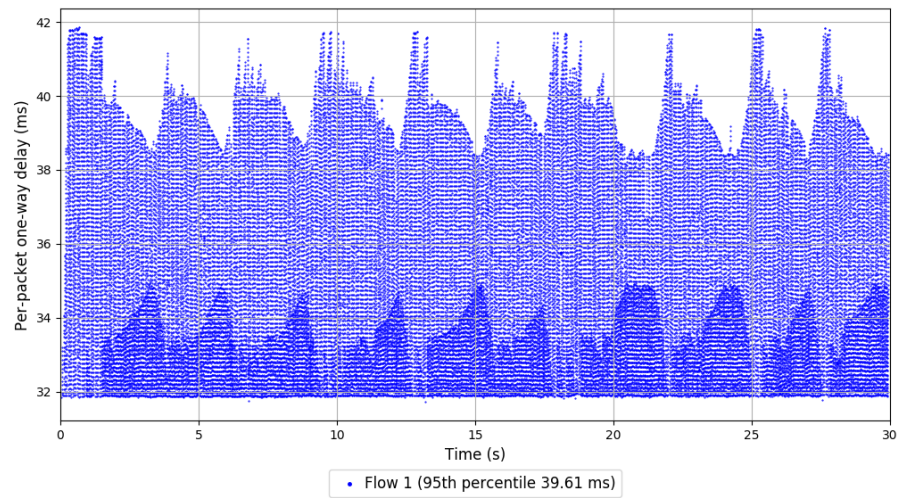
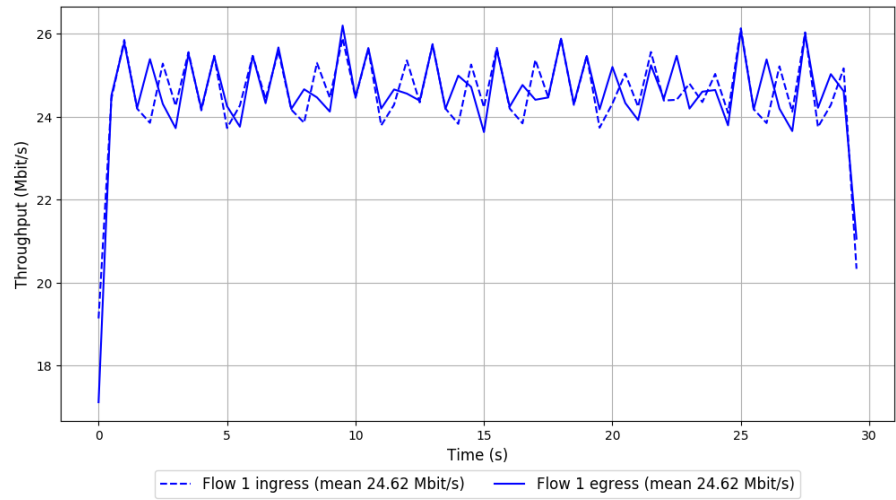


Run 2: Statistics of Sprout

Start at: 2018-01-16 10:38:04
End at: 2018-01-16 10:38:34
Local clock offset: -2.821 ms
Remote clock offset: -13.052 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 39.606 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 39.606 ms
Loss rate: 0.04%

Run 2: Report of Sprout — Data Link

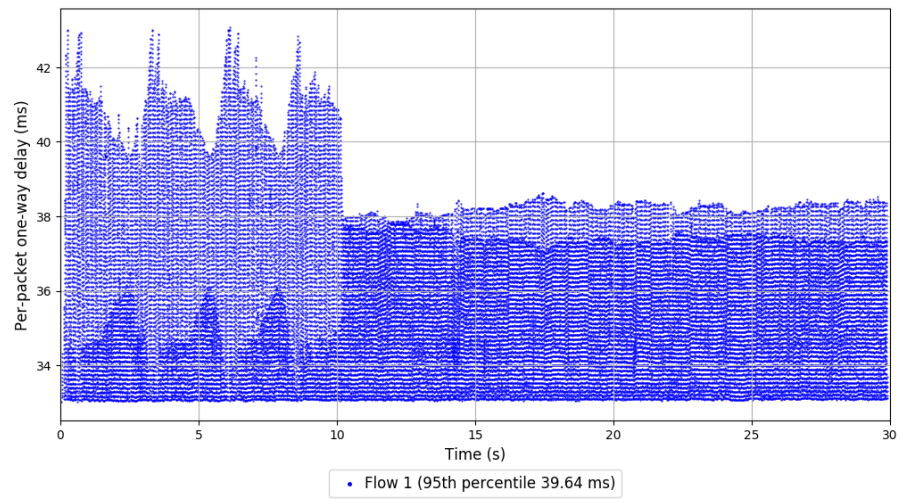
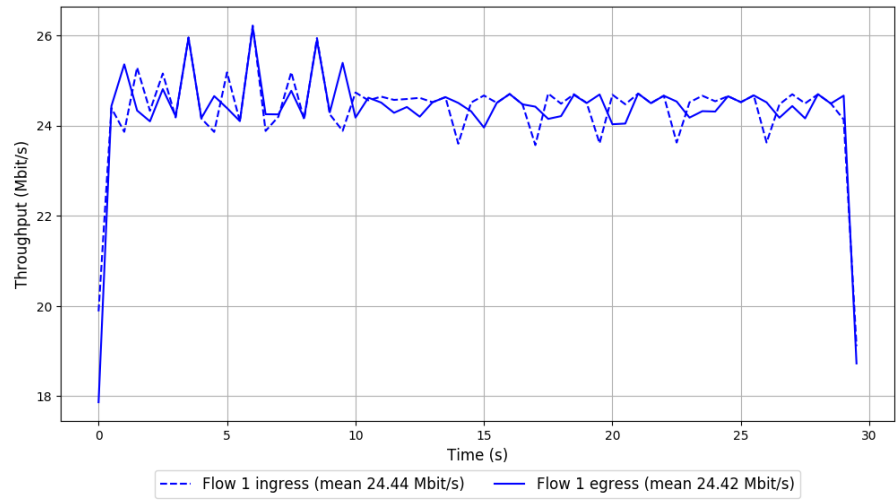


Run 3: Statistics of Sprout

Start at: 2018-01-16 10:59:25
End at: 2018-01-16 10:59:56
Local clock offset: -2.189 ms
Remote clock offset: -12.943 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 39.643 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 39.643 ms
Loss rate: 0.12%

Run 3: Report of Sprout — Data Link

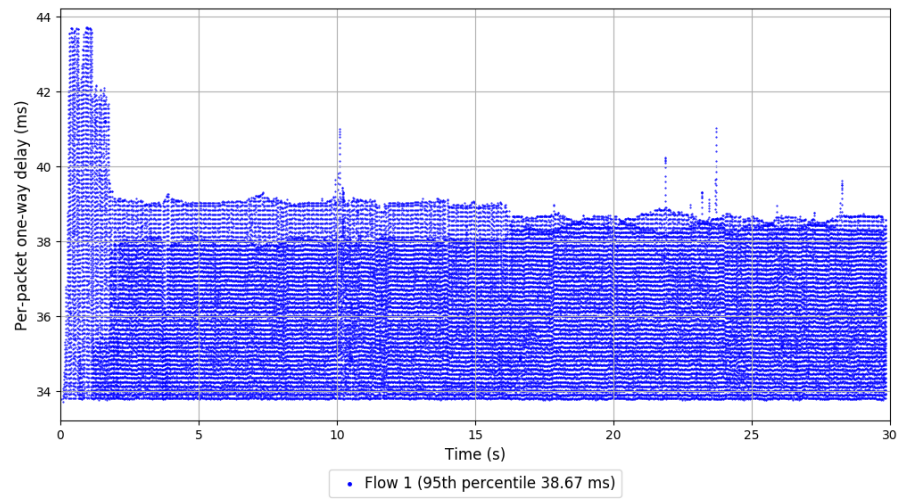
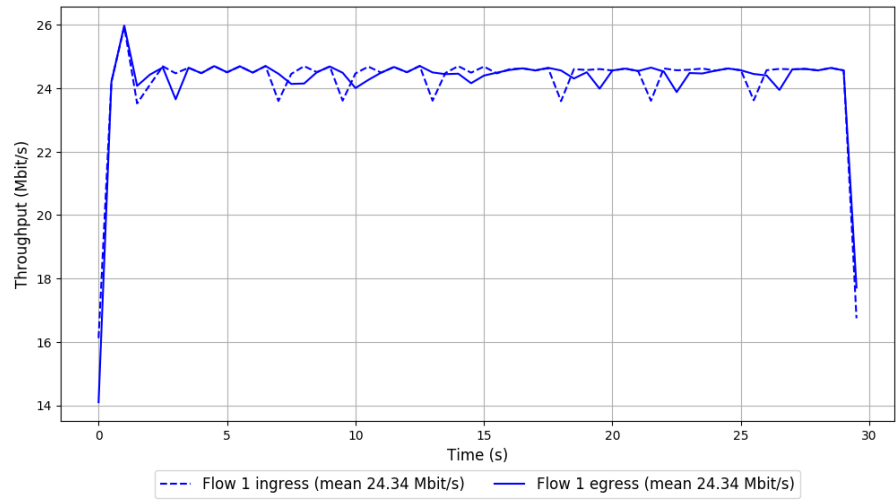


Run 4: Statistics of Sprout

Start at: 2018-01-16 11:20:36
End at: 2018-01-16 11:21:06
Local clock offset: -1.211 ms
Remote clock offset: -12.171 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 38.674 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 38.674 ms
Loss rate: 0.07%

Run 4: Report of Sprout — Data Link

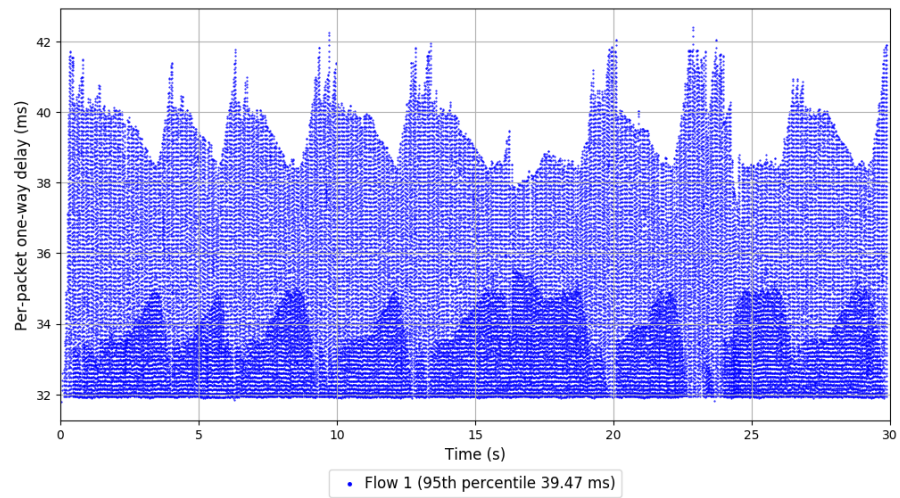
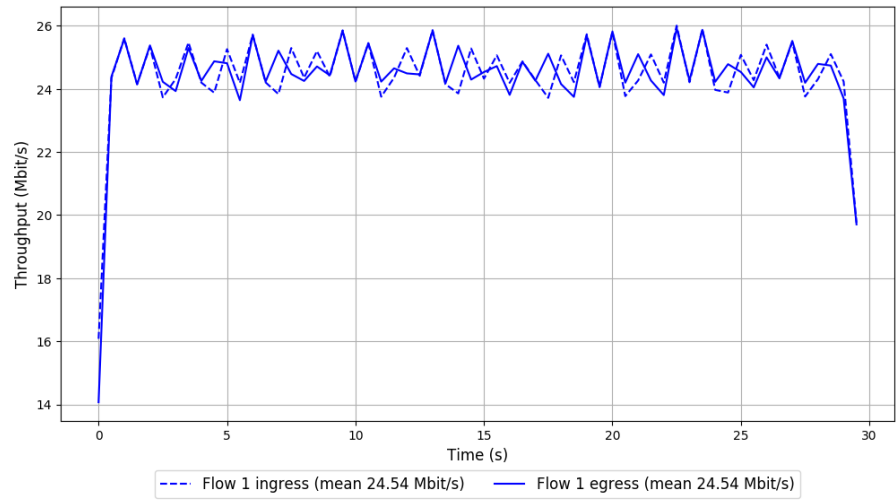


Run 5: Statistics of Sprout

Start at: 2018-01-16 11:42:30
End at: 2018-01-16 11:43:00
Local clock offset: -2.102 ms
Remote clock offset: -11.355 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 39.472 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 39.472 ms
Loss rate: 0.14%

Run 5: Report of Sprout — Data Link

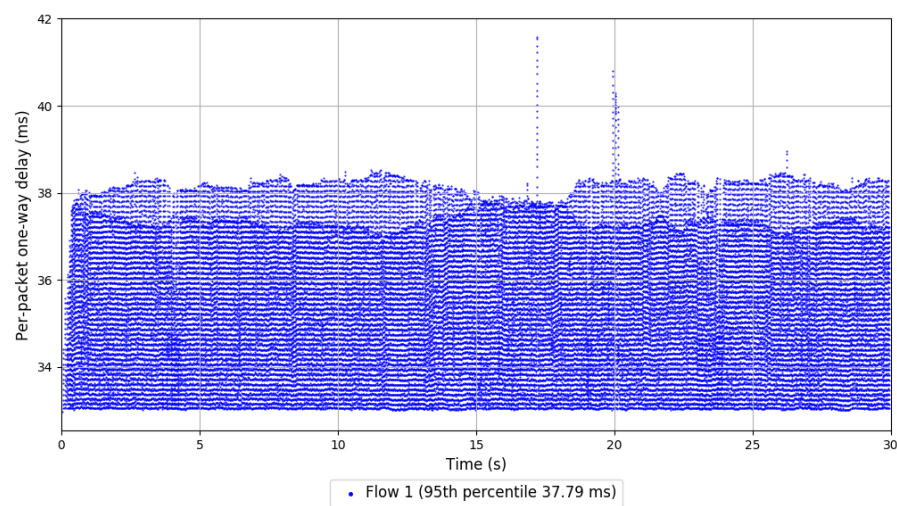
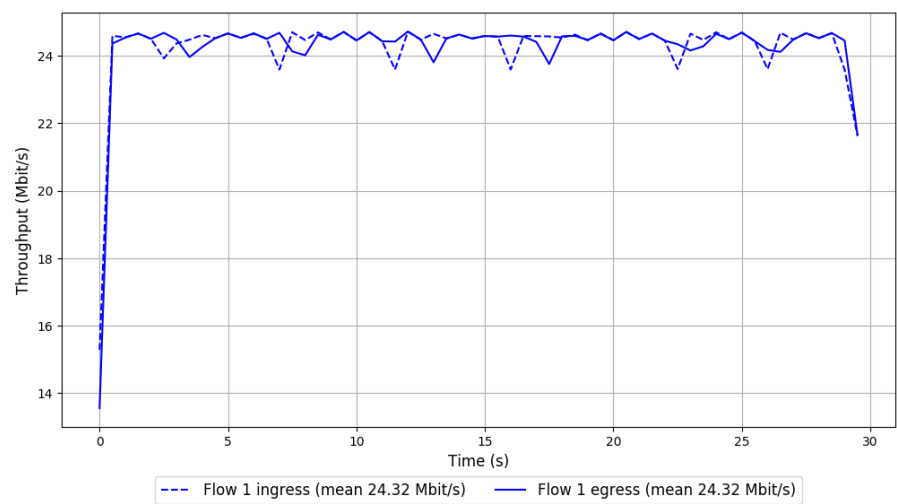


Run 6: Statistics of Sprout

Start at: 2018-01-16 12:03:47
End at: 2018-01-16 12:04:17
Local clock offset: 0.128 ms
Remote clock offset: -11.079 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 37.789 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 37.789 ms
Loss rate: 0.07%

Run 6: Report of Sprout — Data Link

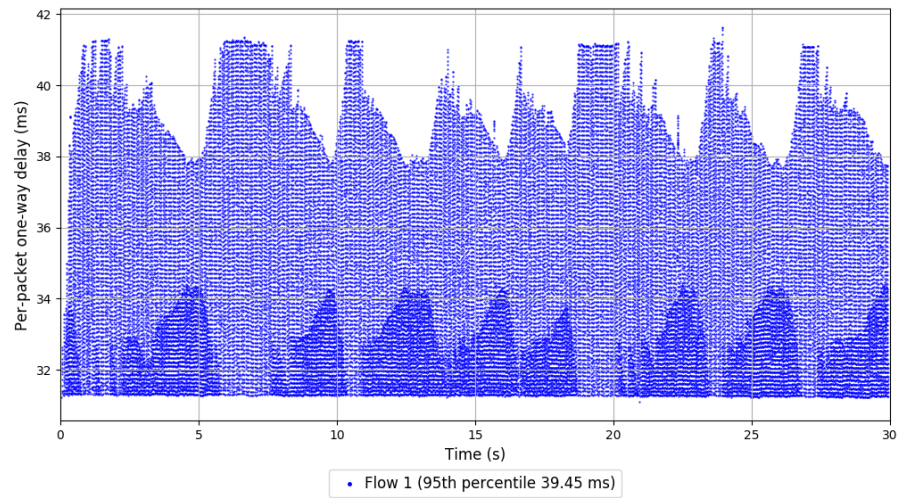
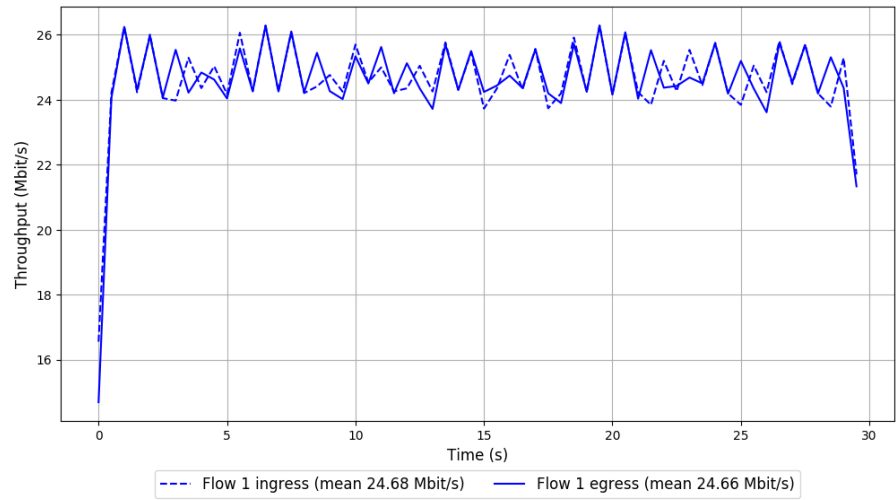


Run 7: Statistics of Sprout

Start at: 2018-01-16 12:24:54
End at: 2018-01-16 12:25:24
Local clock offset: -1.776 ms
Remote clock offset: -12.465 ms

Below is generated by plot.py at 2018-01-16 17:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 39.445 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 39.445 ms
Loss rate: 0.12%

Run 7: Report of Sprout — Data Link

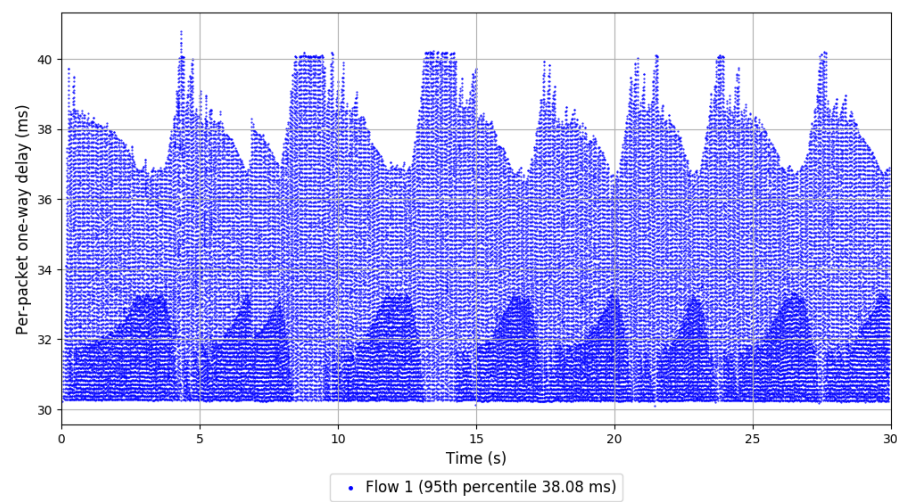
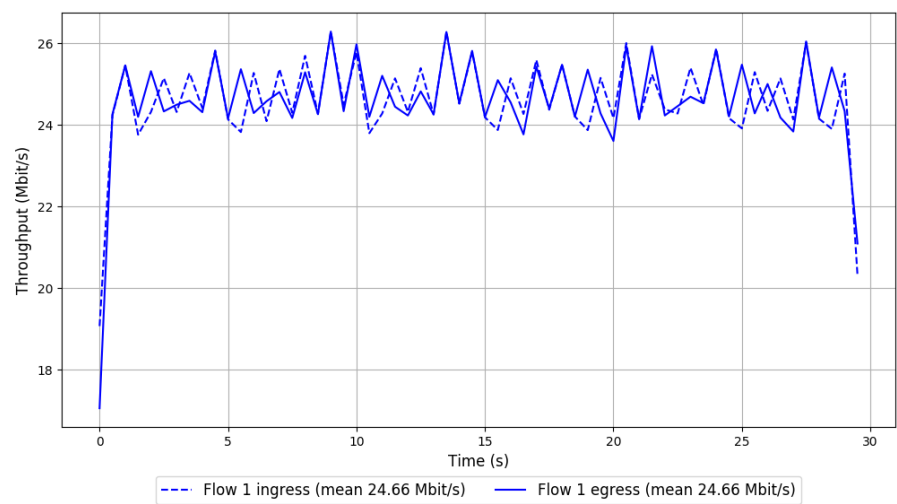


Run 8: Statistics of Sprout

Start at: 2018-01-16 12:45:54
End at: 2018-01-16 12:46:24
Local clock offset: -1.881 ms
Remote clock offset: -13.542 ms

Below is generated by plot.py at 2018-01-16 17:18:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 38.077 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 38.077 ms
Loss rate: 0.04%

Run 8: Report of Sprout — Data Link

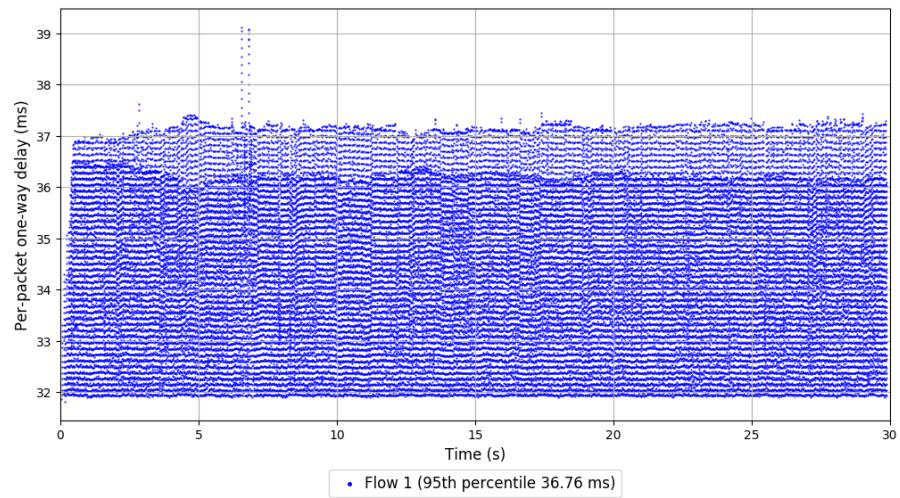
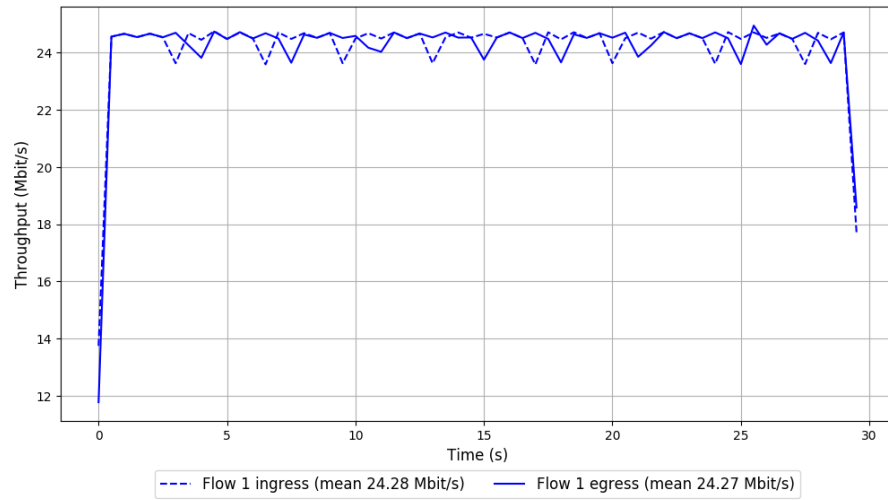


Run 9: Statistics of Sprout

Start at: 2018-01-16 13:07:00
End at: 2018-01-16 13:07:30
Local clock offset: 0.33 ms
Remote clock offset: -13.61 ms

Below is generated by plot.py at 2018-01-16 17:18:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 36.762 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 36.762 ms
Loss rate: 0.08%

Run 9: Report of Sprout — Data Link

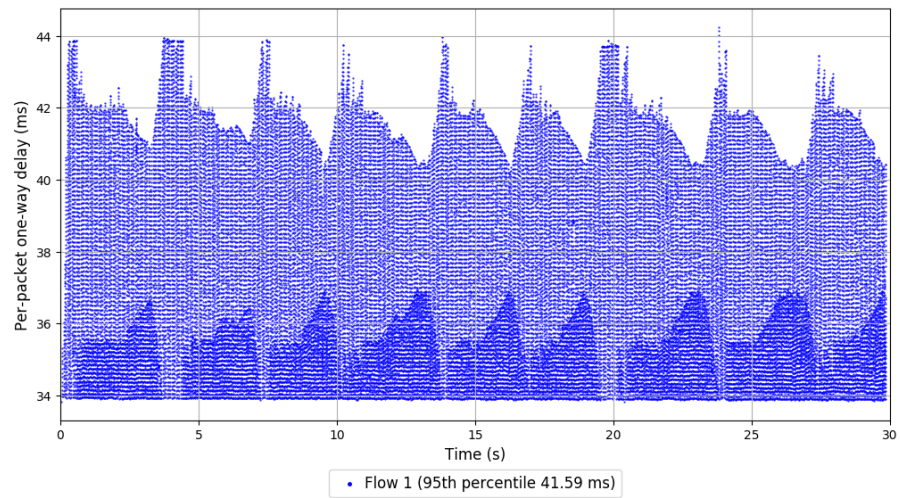
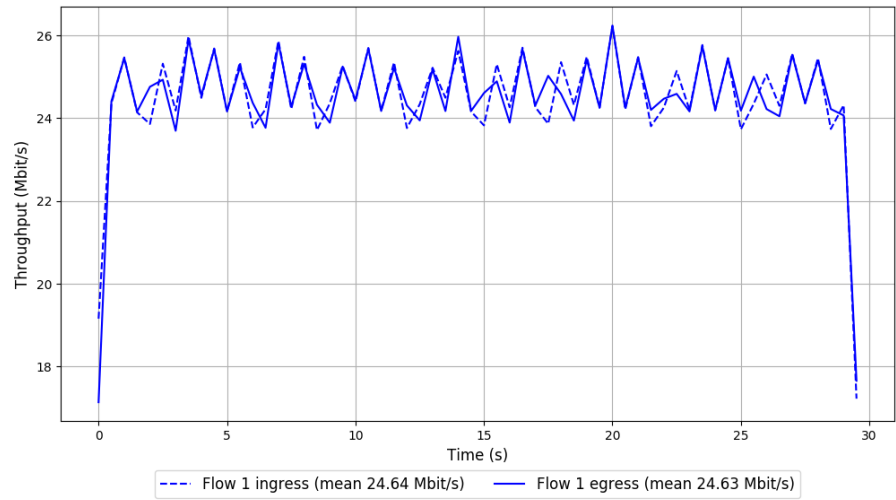


Run 10: Statistics of Sprout

Start at: 2018-01-16 13:28:07
End at: 2018-01-16 13:28:37
Local clock offset: 2.356 ms
Remote clock offset: -15.221 ms

Below is generated by plot.py at 2018-01-16 17:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 41.594 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 41.594 ms
Loss rate: 0.09%

Run 10: Report of Sprout — Data Link

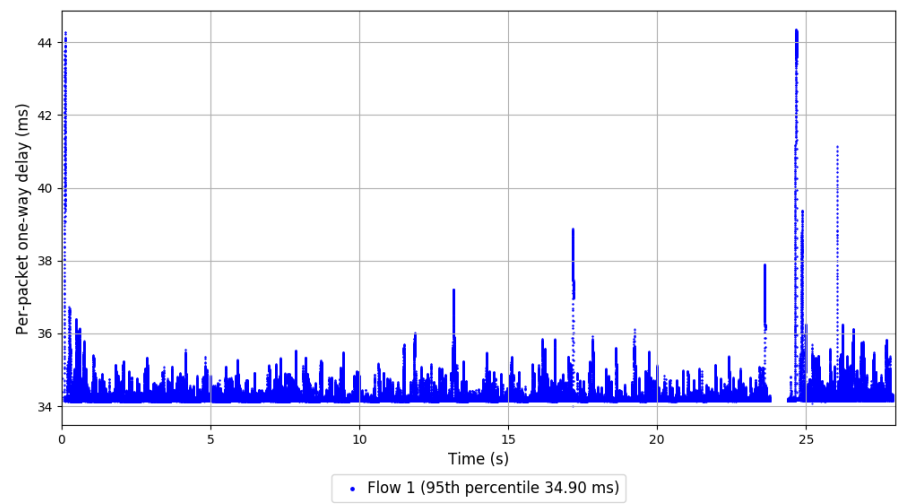
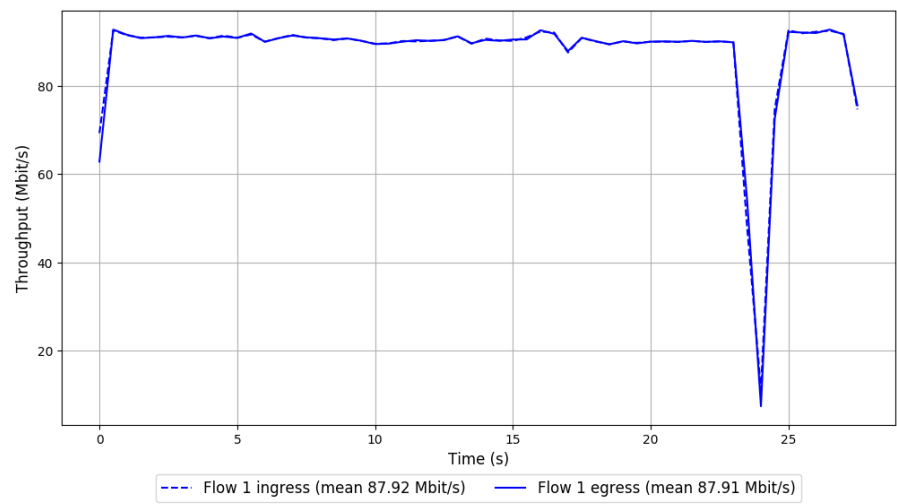


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 10:05:50
End at: 2018-01-16 10:06:20
Local clock offset: -1.344 ms
Remote clock offset: -13.618 ms

# Below is generated by plot.py at 2018-01-16 17:20:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 34.901 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 34.901 ms
Loss rate: 0.11%
```


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

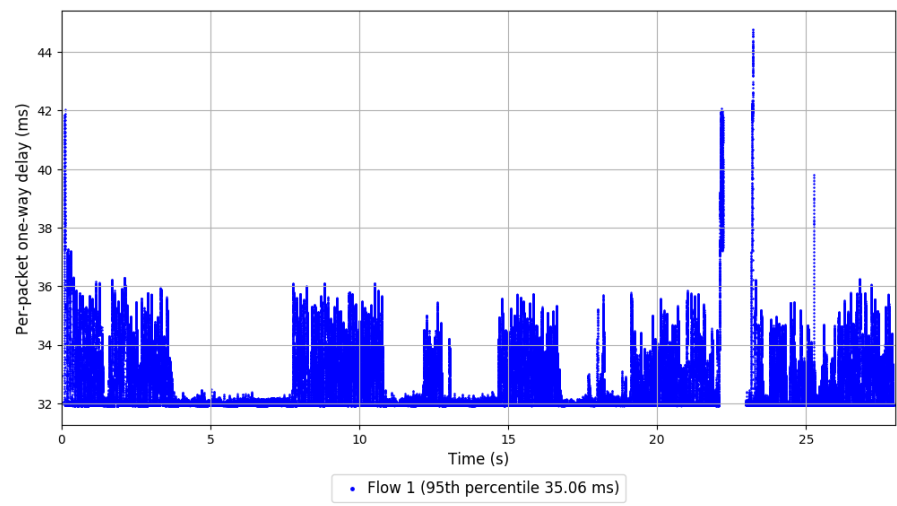
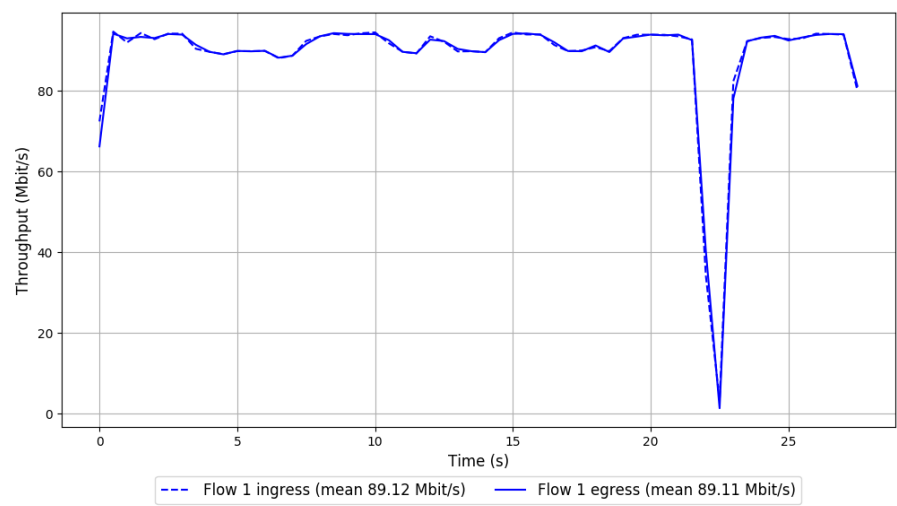


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-16 10:29:33
End at: 2018-01-16 10:30:03
Local clock offset: -2.833 ms
Remote clock offset: -13.438 ms

Below is generated by plot.py at 2018-01-16 17:20:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 35.063 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 35.063 ms
Loss rate: 0.10%

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

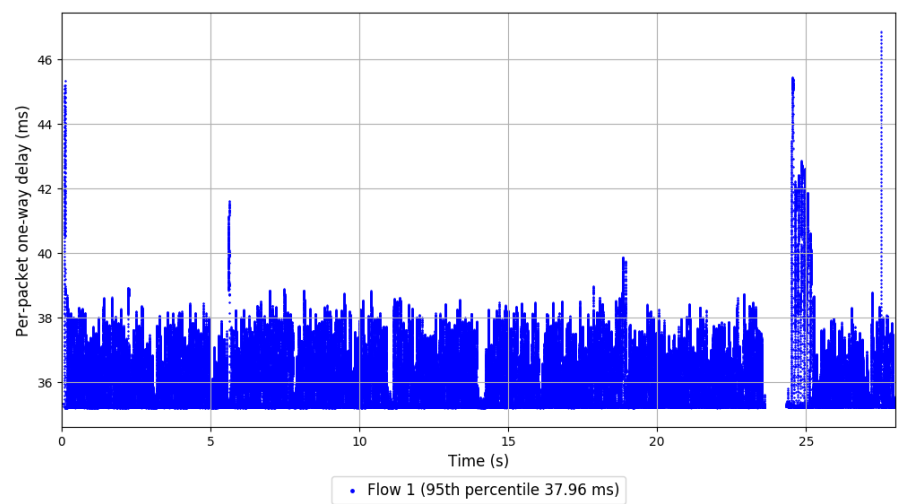
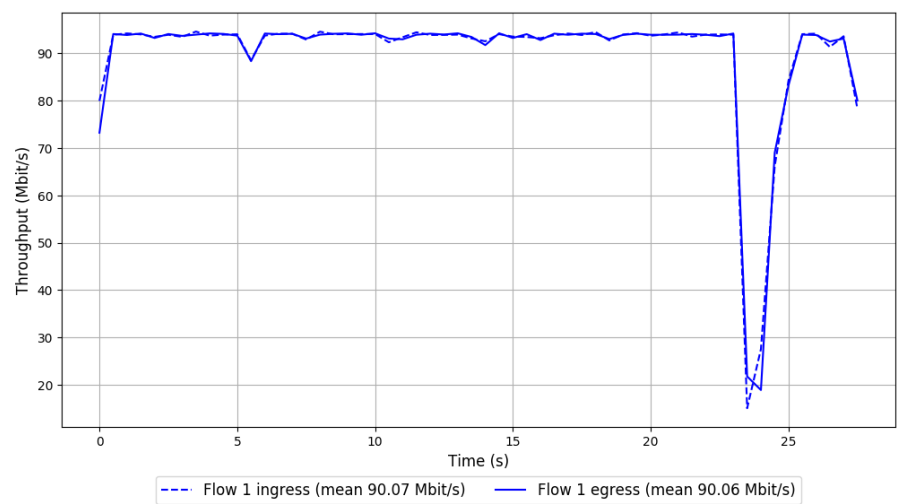


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 10:51:02
End at: 2018-01-16 10:51:32
Local clock offset: -1.385 ms
Remote clock offset: -14.661 ms

Below is generated by plot.py at 2018-01-16 17:20:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 37.959 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 37.959 ms
Loss rate: 0.10%

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

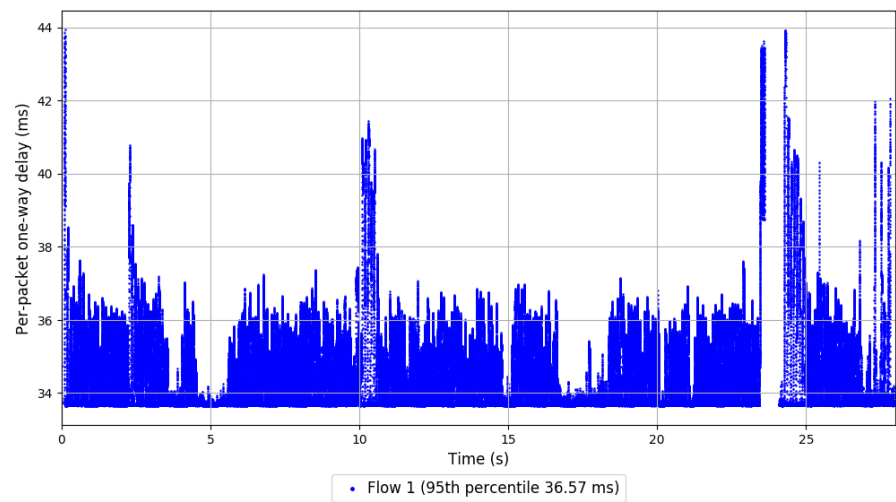
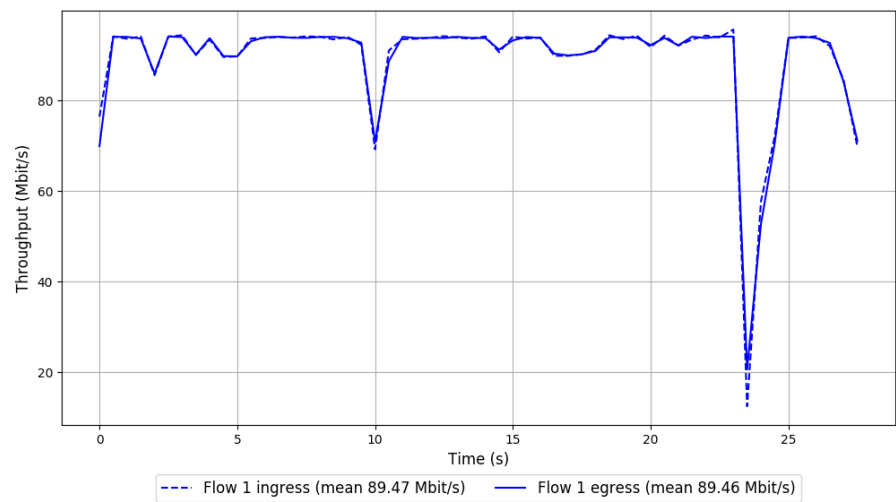


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-16 11:12:14
End at: 2018-01-16 11:12:44
Local clock offset: -2.147 ms
Remote clock offset: -13.037 ms

Below is generated by plot.py at 2018-01-16 17:20:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 36.572 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 36.572 ms
Loss rate: 0.10%

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

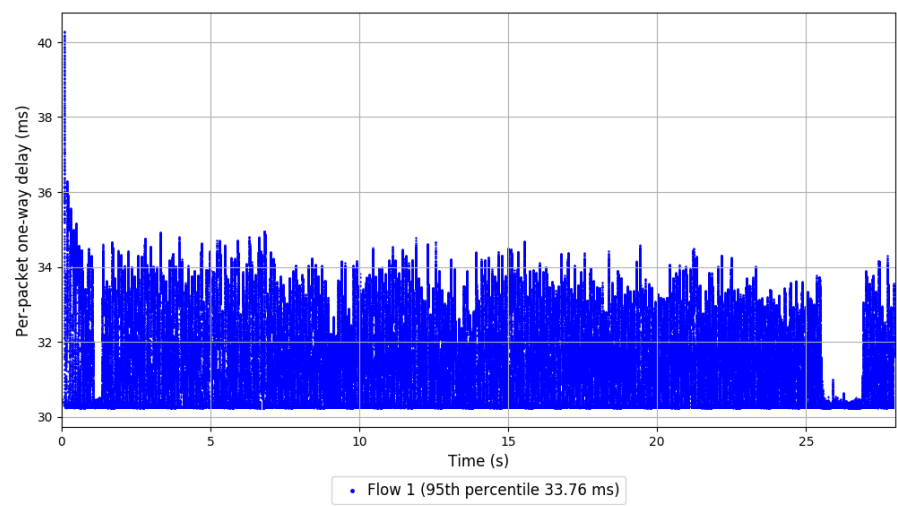
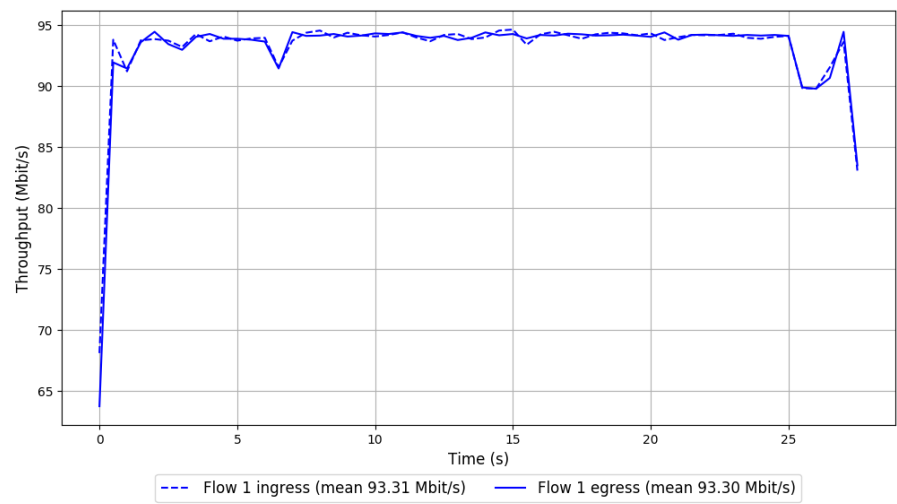


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-16 11:33:51
End at: 2018-01-16 11:34:21
Local clock offset: -3.416 ms
Remote clock offset: -10.931 ms

Below is generated by plot.py at 2018-01-16 17:20:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 33.757 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 33.757 ms
Loss rate: 0.10%

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

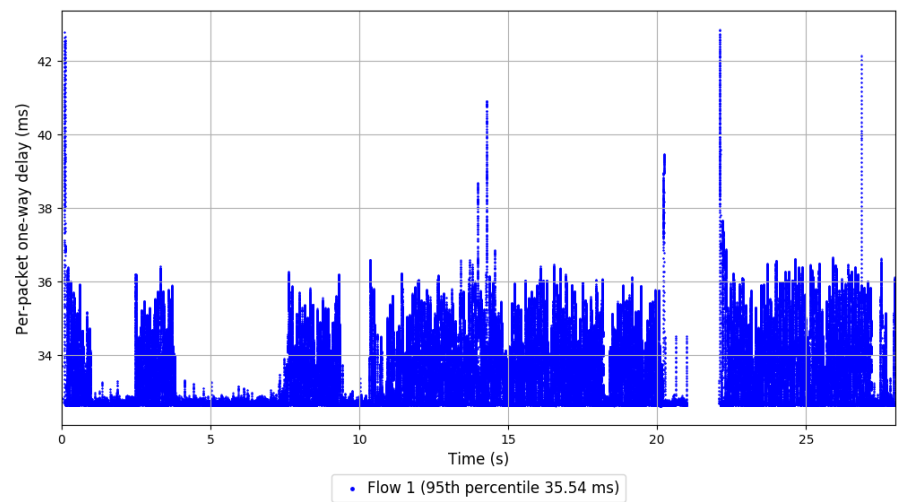
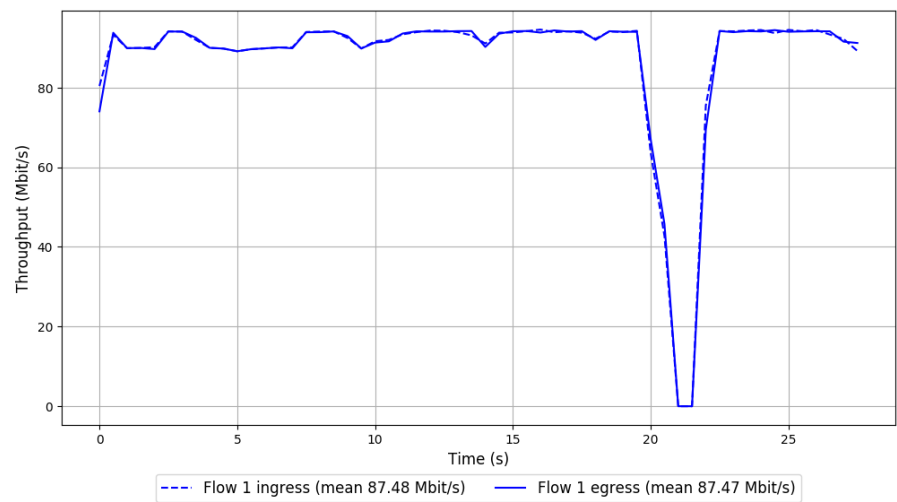


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-16 11:55:34
End at: 2018-01-16 11:56:04
Local clock offset: -0.481 ms
Remote clock offset: -11.241 ms

Below is generated by plot.py at 2018-01-16 17:20:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 35.538 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 35.538 ms
Loss rate: 0.10%

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

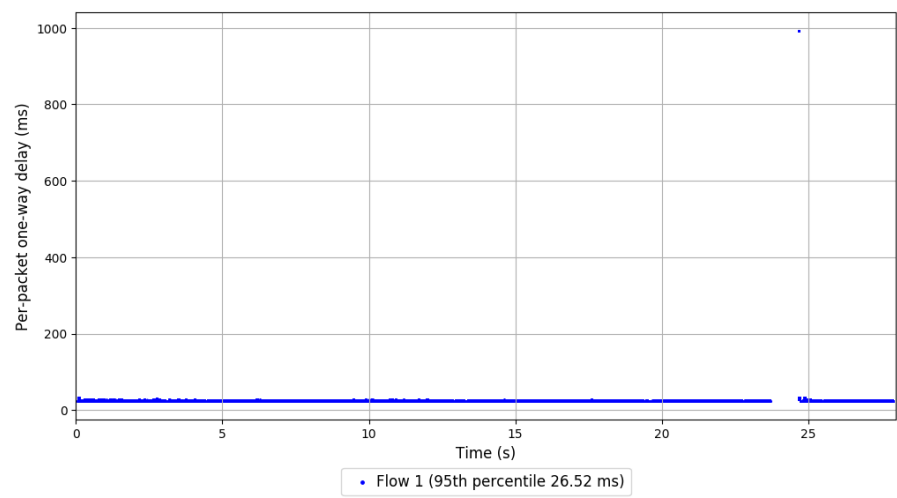
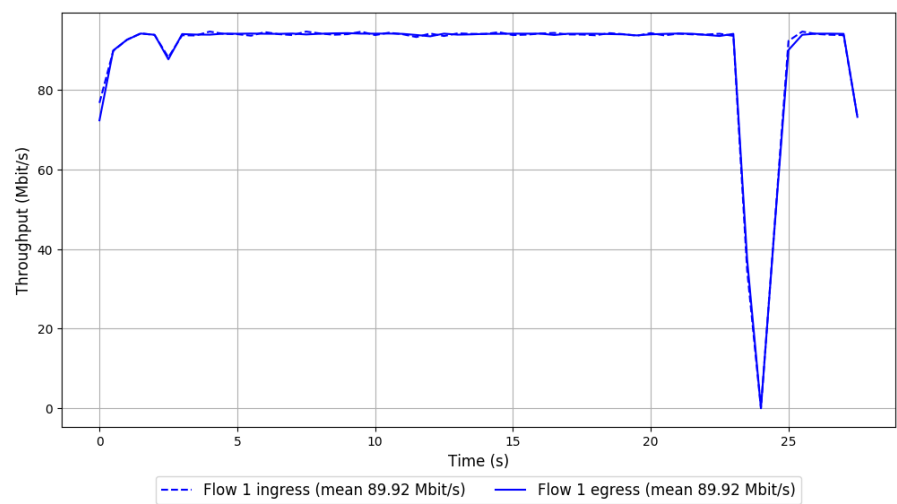


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-16 12:16:42
End at: 2018-01-16 12:17:12
Local clock offset: -7.327 ms
Remote clock offset: -9.309 ms

Below is generated by plot.py at 2018-01-16 17:20:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 26.519 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 26.519 ms
Loss rate: 0.09%

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

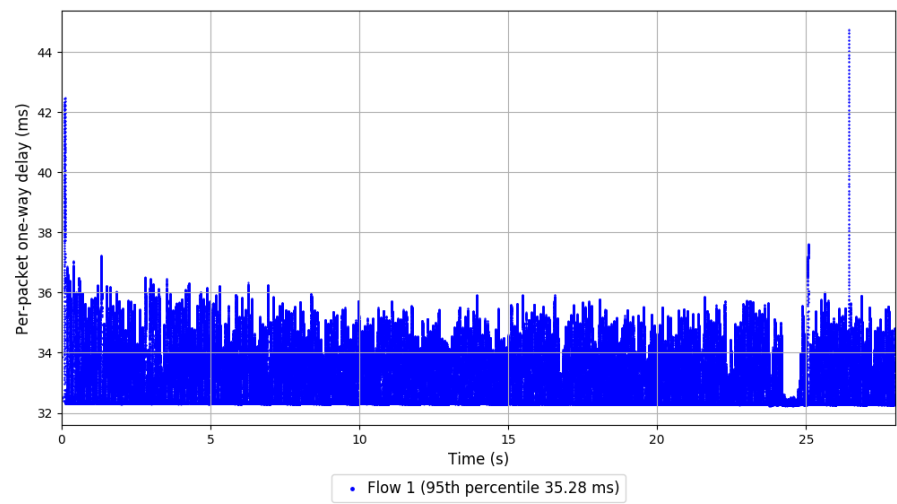
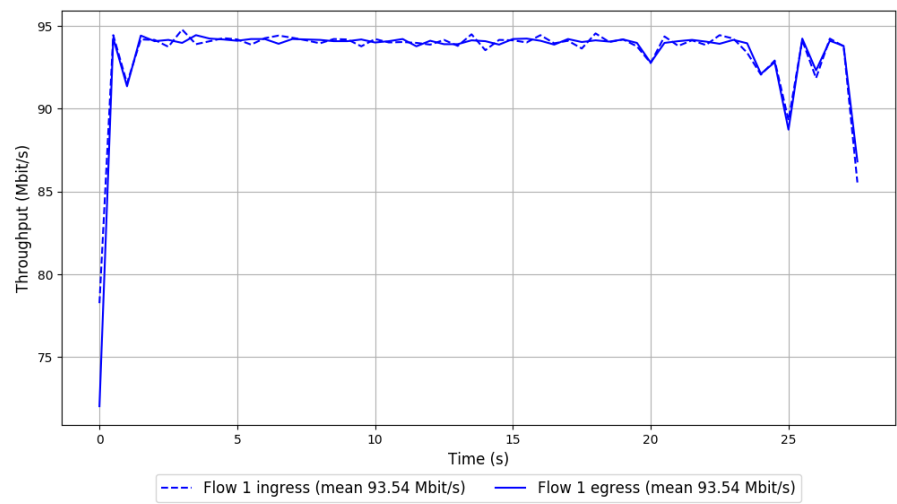


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-16 12:37:46
End at: 2018-01-16 12:38:16
Local clock offset: -1.324 ms
Remote clock offset: -14.322 ms

Below is generated by plot.py at 2018-01-16 17:20:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 35.276 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 35.276 ms
Loss rate: 0.09%

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

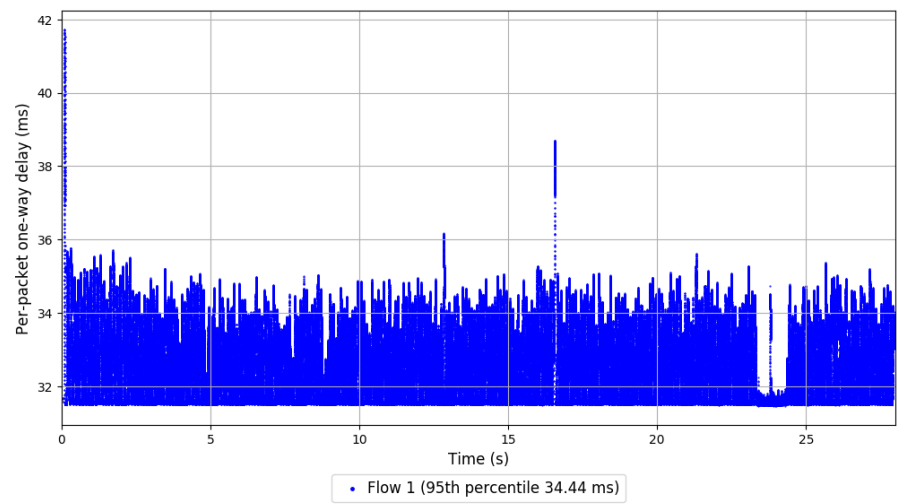
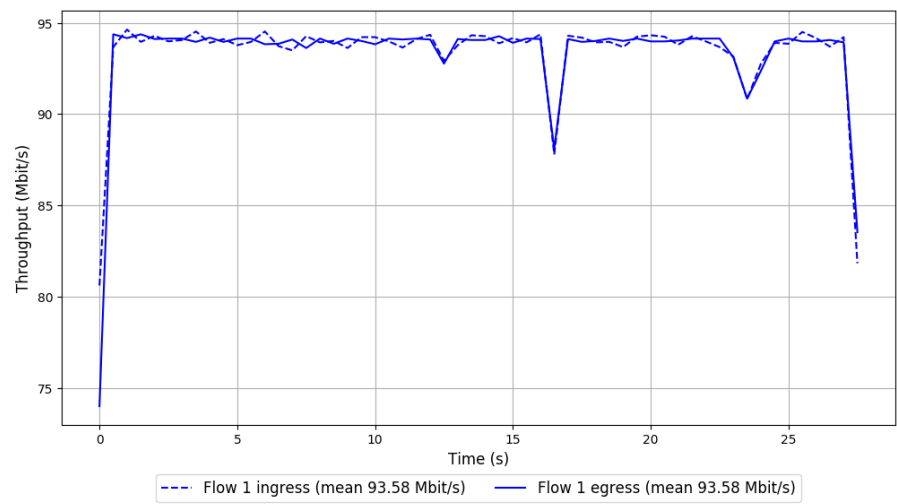


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-16 12:58:48
End at: 2018-01-16 12:59:18
Local clock offset: -0.571 ms
Remote clock offset: -14.039 ms

Below is generated by plot.py at 2018-01-16 17:22:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 34.436 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 34.436 ms
Loss rate: 0.09%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-16 13:19:52

End at: 2018-01-16 13:20:22

Local clock offset: -0.613 ms

Remote clock offset: -15.391 ms

Below is generated by plot.py at 2018-01-16 17:22:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.49 Mbit/s

95th percentile per-packet one-way delay: 35.207 ms

Loss rate: 0.10%

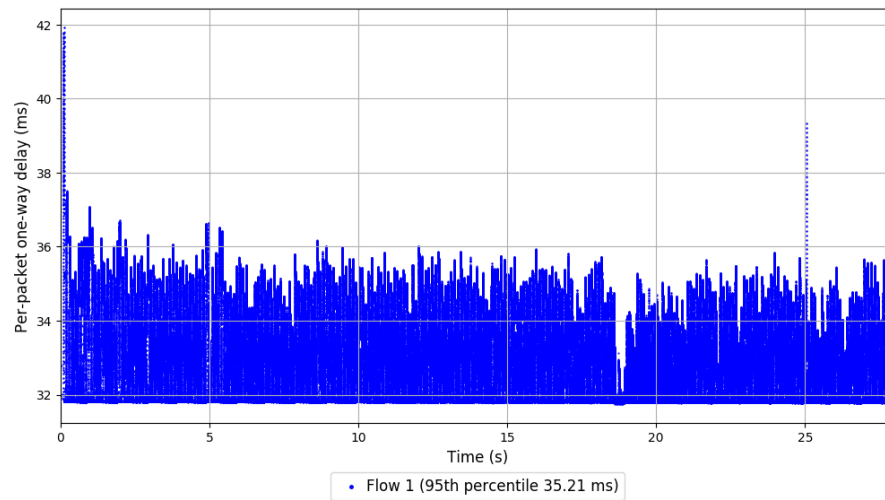
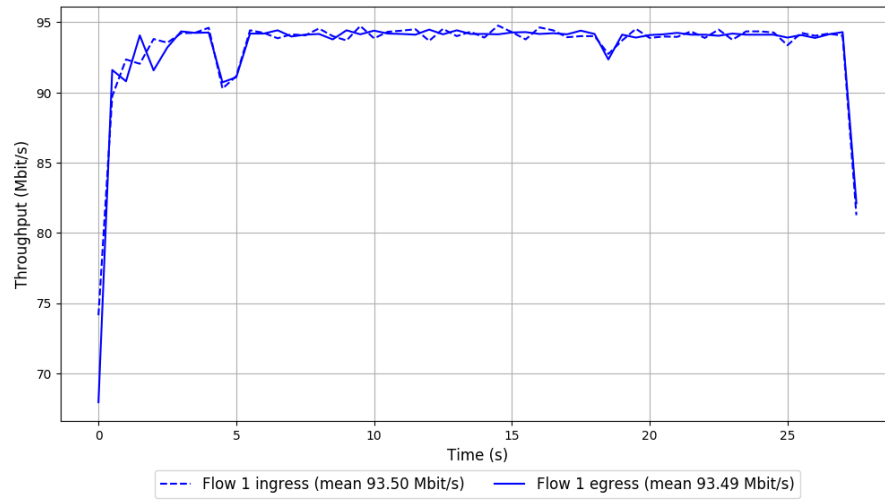
-- Flow 1:

Average throughput: 93.49 Mbit/s

95th percentile per-packet one-way delay: 35.207 ms

Loss rate: 0.10%

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

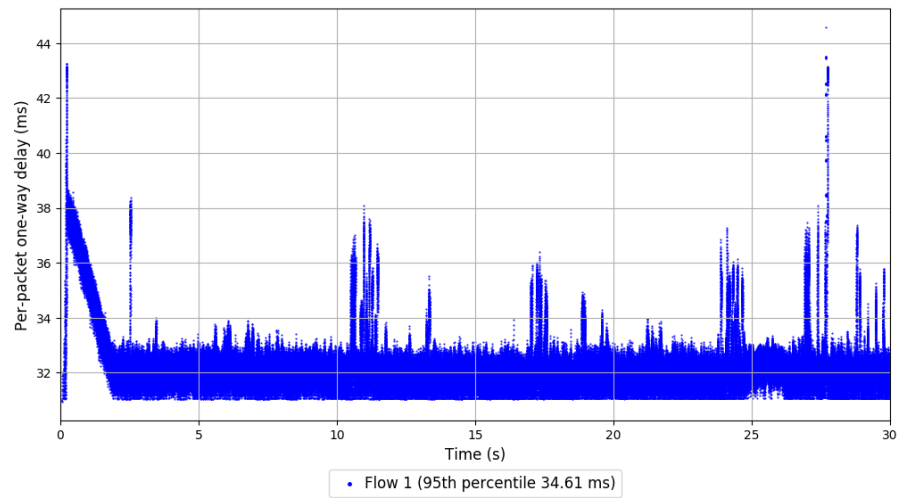
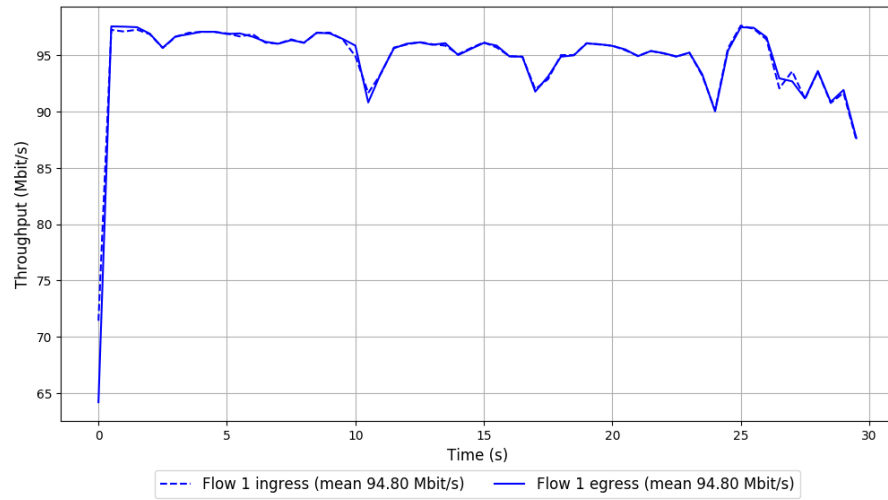


Run 1: Statistics of TCP Vegas

Start at: 2018-01-16 10:03:33
End at: 2018-01-16 10:04:03
Local clock offset: -3.726 ms
Remote clock offset: -13.033 ms

Below is generated by plot.py at 2018-01-16 17:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 34.612 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 34.612 ms
Loss rate: 0.10%

Run 1: Report of TCP Vegas — Data Link

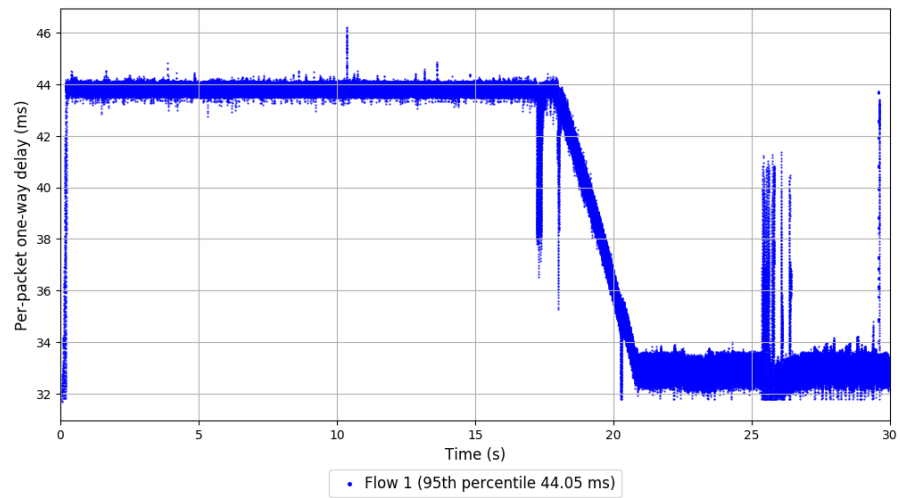
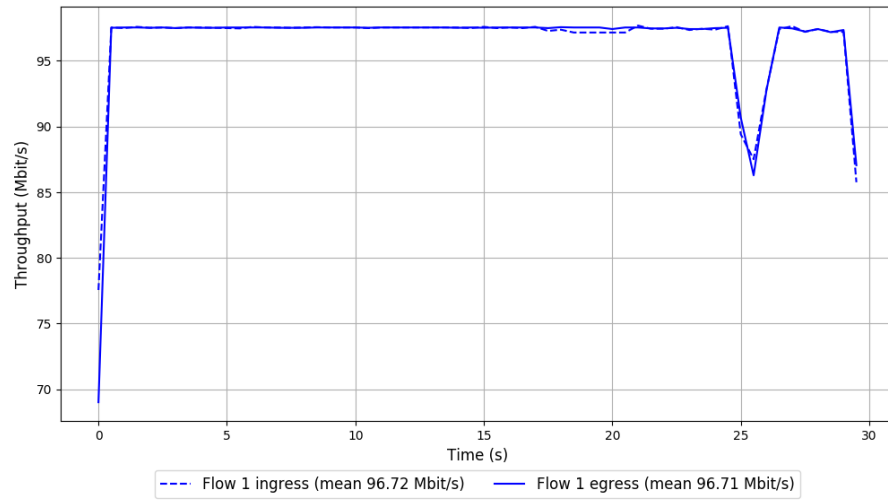


Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 10:27:18
End at: 2018-01-16 10:27:48
Local clock offset: -4.393 ms
Remote clock offset: -14.883 ms

Below is generated by plot.py at 2018-01-16 17:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 44.054 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 44.054 ms
Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link

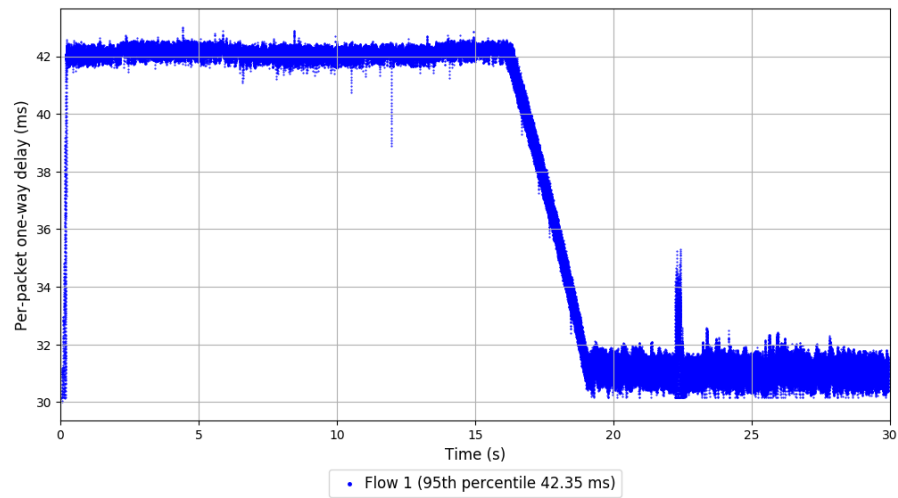
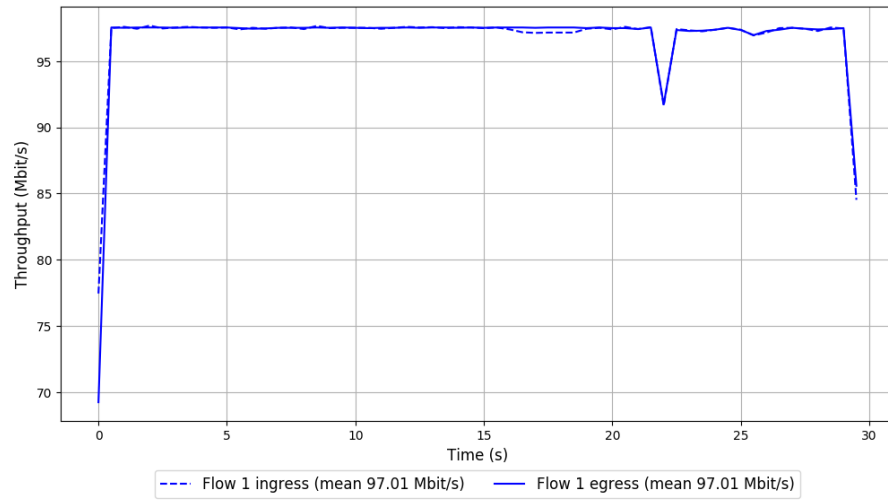


Run 3: Statistics of TCP Vegas

Start at: 2018-01-16 10:48:47
End at: 2018-01-16 10:49:17
Local clock offset: -4.434 ms
Remote clock offset: -12.711 ms

Below is generated by plot.py at 2018-01-16 17:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 42.348 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 42.348 ms
Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link

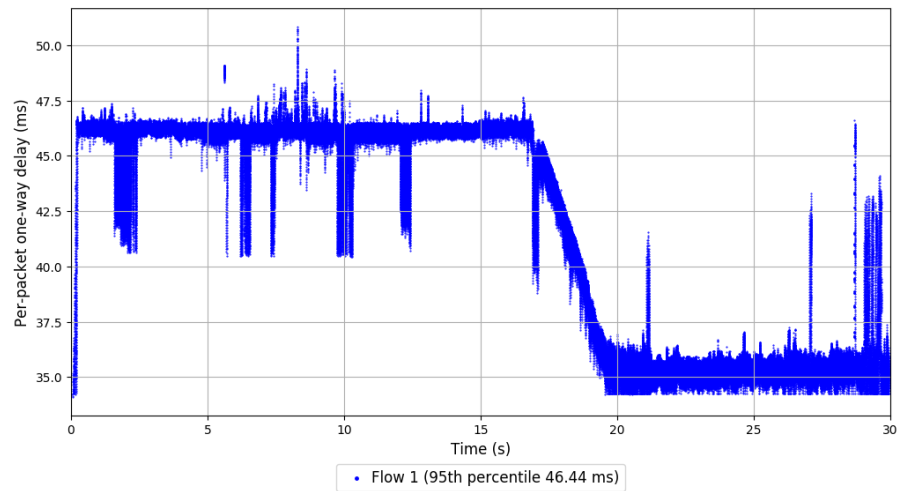
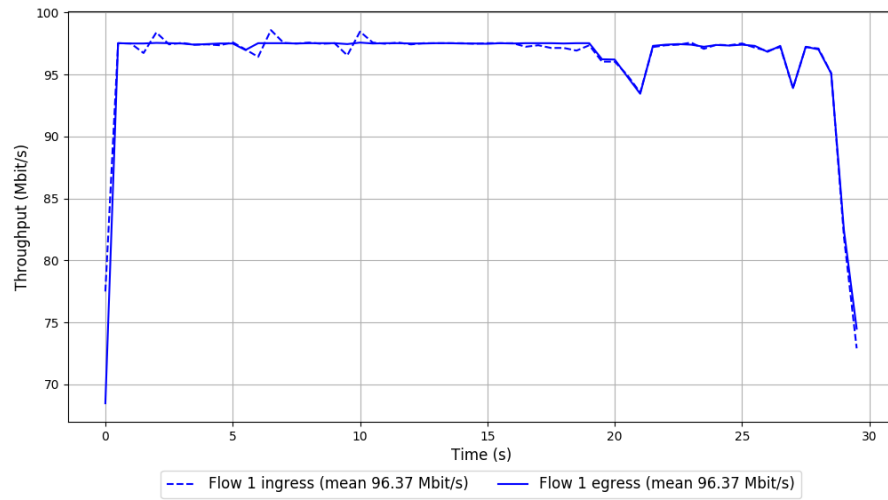


Run 4: Statistics of TCP Vegas

Start at: 2018-01-16 11:10:00
End at: 2018-01-16 11:10:30
Local clock offset: -2.743 ms
Remote clock offset: -14.269 ms

Below is generated by plot.py at 2018-01-16 17:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 46.438 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 46.438 ms
Loss rate: 0.08%

Run 4: Report of TCP Vegas — Data Link

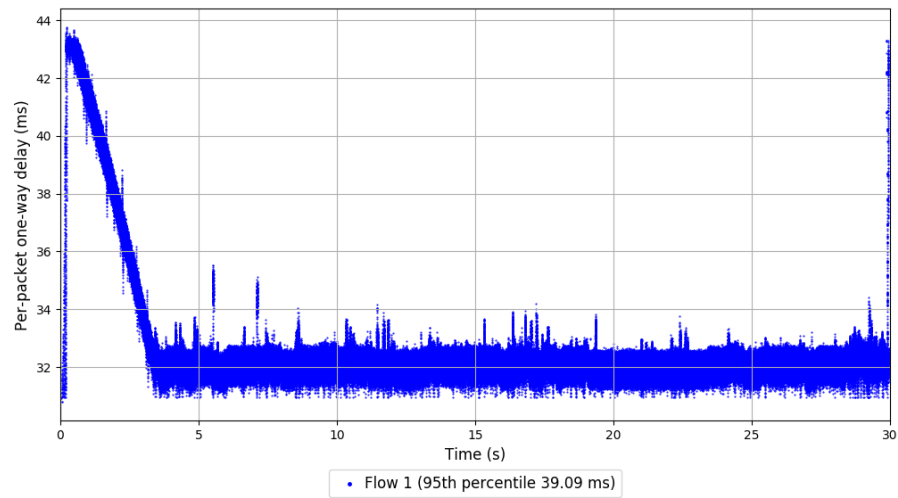
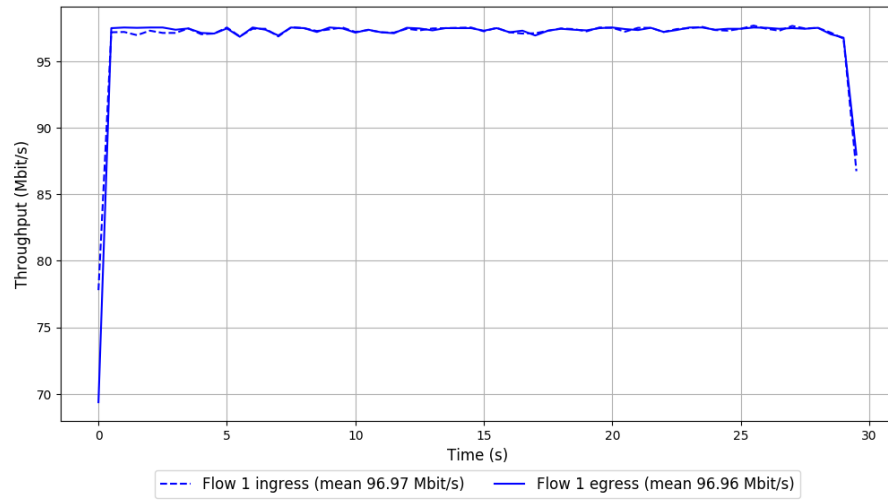


Run 5: Statistics of TCP Vegas

Start at: 2018-01-16 11:31:34
End at: 2018-01-16 11:32:04
Local clock offset: -3.2 ms
Remote clock offset: -11.43 ms

Below is generated by plot.py at 2018-01-16 17:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 39.094 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 39.094 ms
Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link

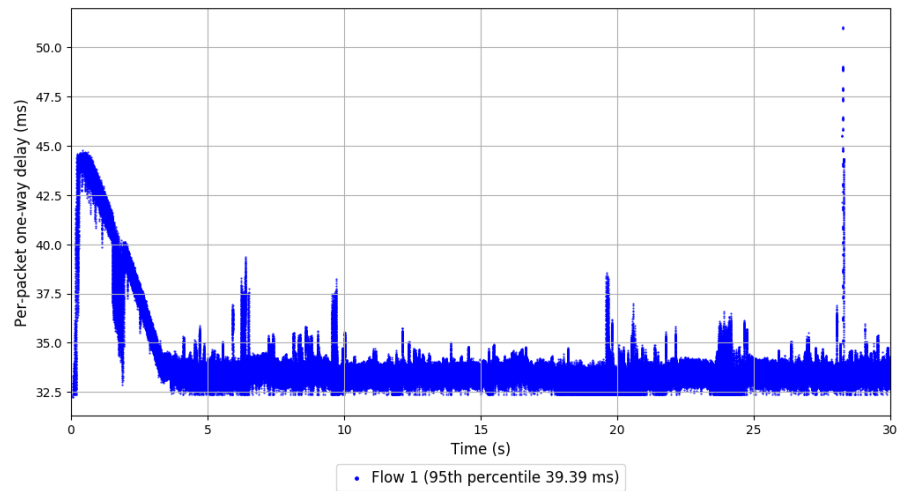
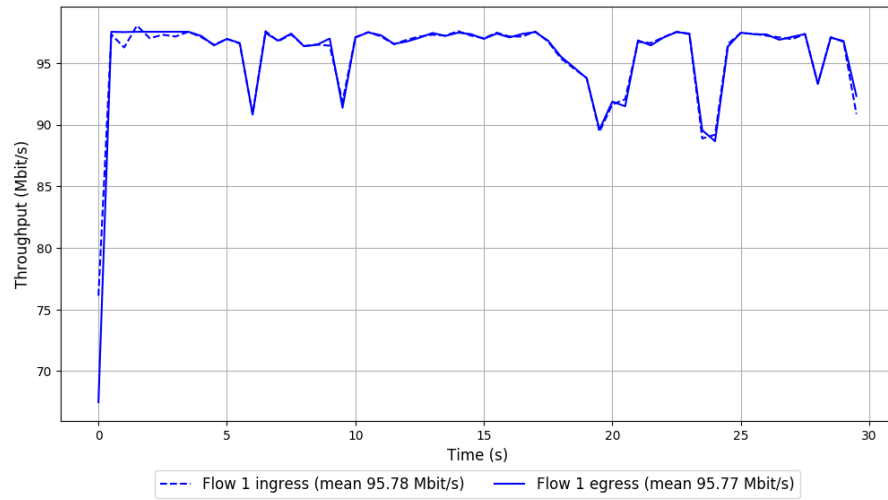


Run 6: Statistics of TCP Vegas

Start at: 2018-01-16 11:53:17
End at: 2018-01-16 11:53:47
Local clock offset: -2.541 ms
Remote clock offset: -13.028 ms

Below is generated by plot.py at 2018-01-16 17:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 39.392 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 39.392 ms
Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link

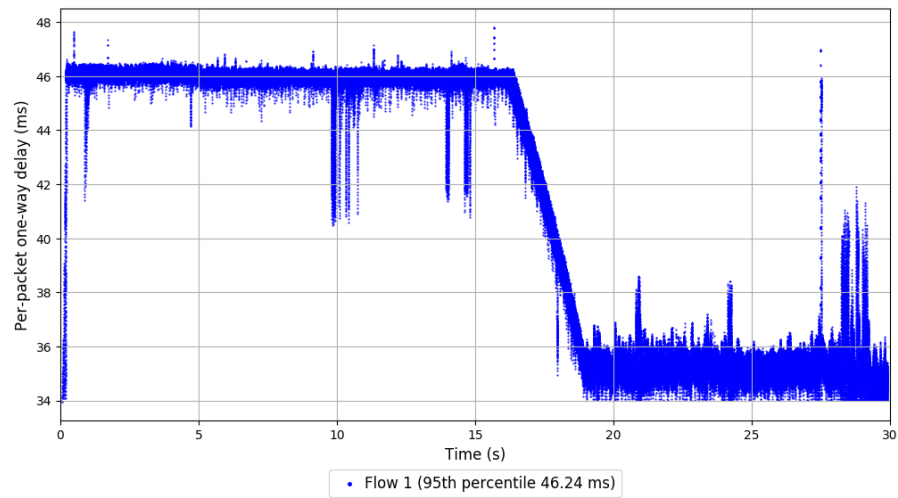
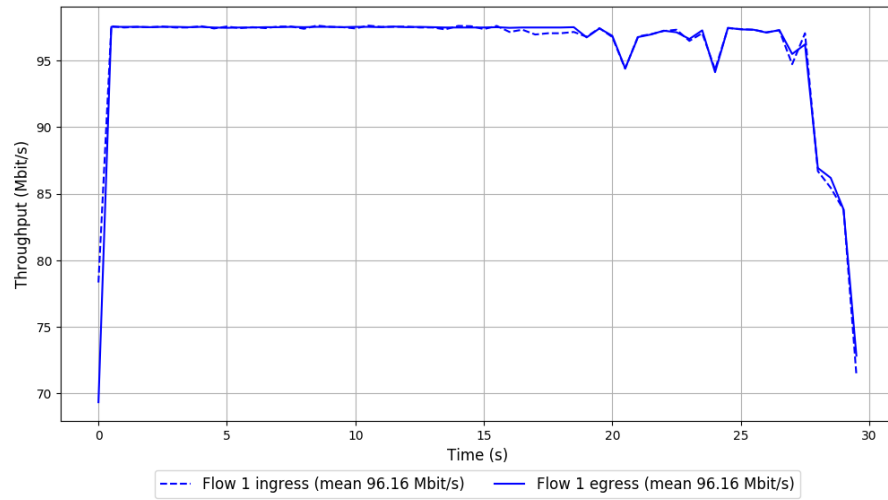


Run 7: Statistics of TCP Vegas

Start at: 2018-01-16 12:14:28
End at: 2018-01-16 12:14:58
Local clock offset: -1.04 ms
Remote clock offset: -13.616 ms

Below is generated by plot.py at 2018-01-16 17:23:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 46.236 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 46.236 ms
Loss rate: 0.08%

Run 7: Report of TCP Vegas — Data Link

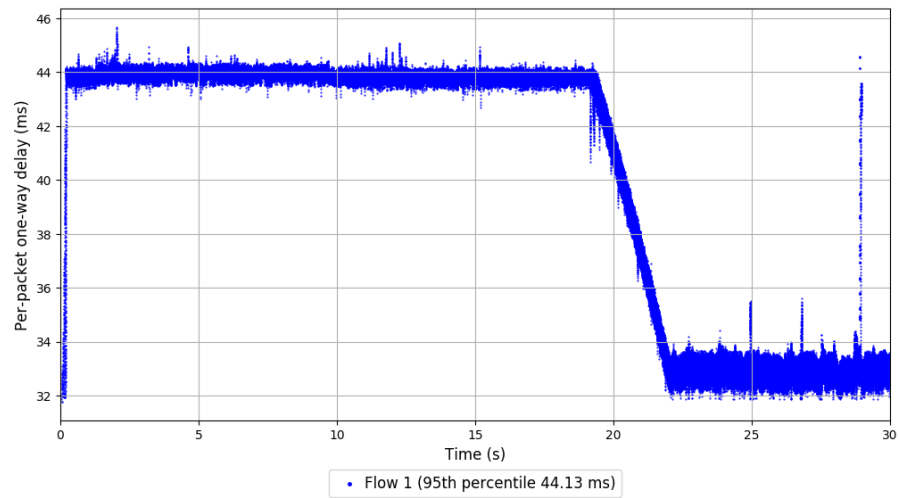
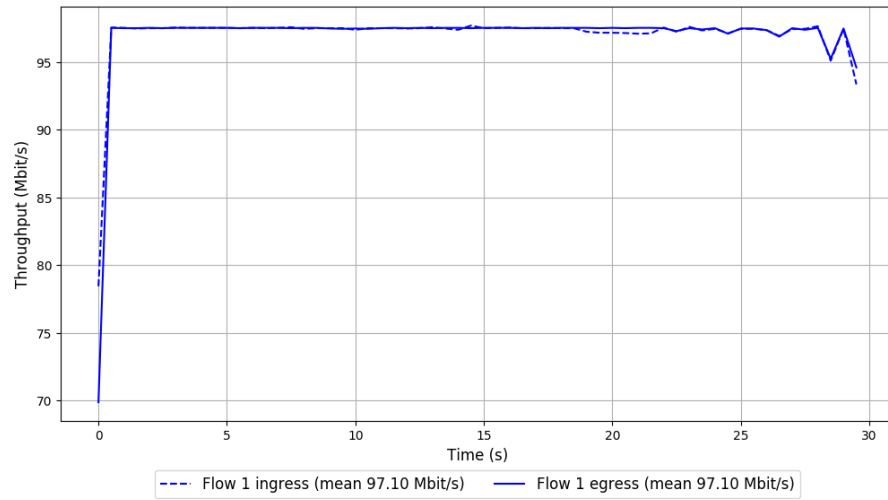


Run 8: Statistics of TCP Vegas

Start at: 2018-01-16 12:35:32
End at: 2018-01-16 12:36:02
Local clock offset: -2.177 ms
Remote clock offset: -14.565 ms

Below is generated by plot.py at 2018-01-16 17:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 44.130 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 44.130 ms
Loss rate: 0.09%

Run 8: Report of TCP Vegas — Data Link

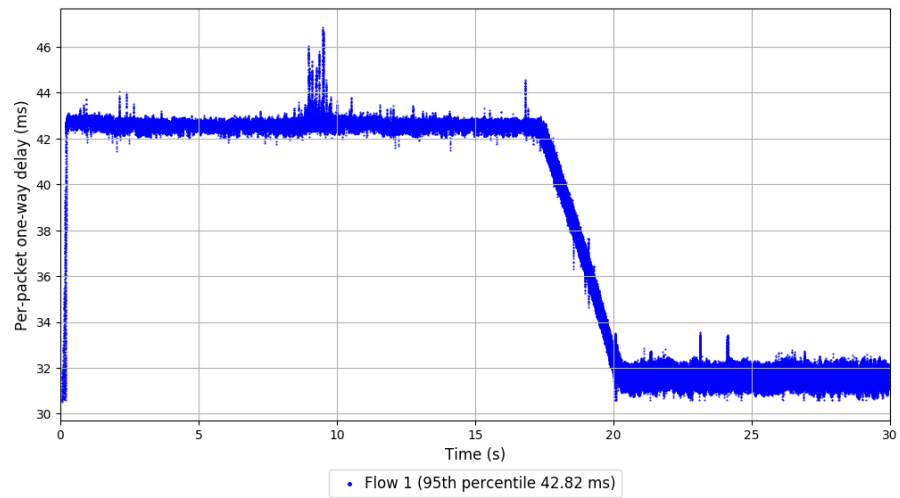
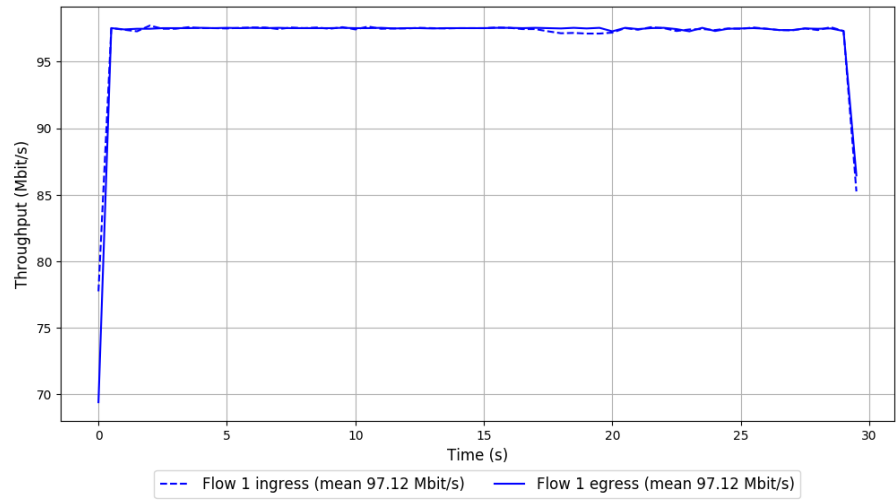


Run 9: Statistics of TCP Vegas

Start at: 2018-01-16 12:56:34
End at: 2018-01-16 12:57:04
Local clock offset: -1.376 ms
Remote clock offset: -13.91 ms

Below is generated by plot.py at 2018-01-16 17:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 42.819 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 42.819 ms
Loss rate: 0.09%

Run 9: Report of TCP Vegas — Data Link

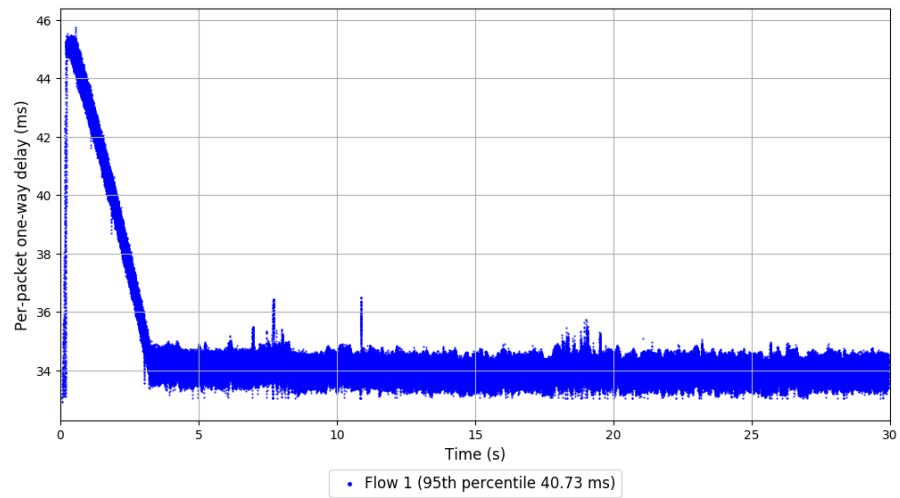
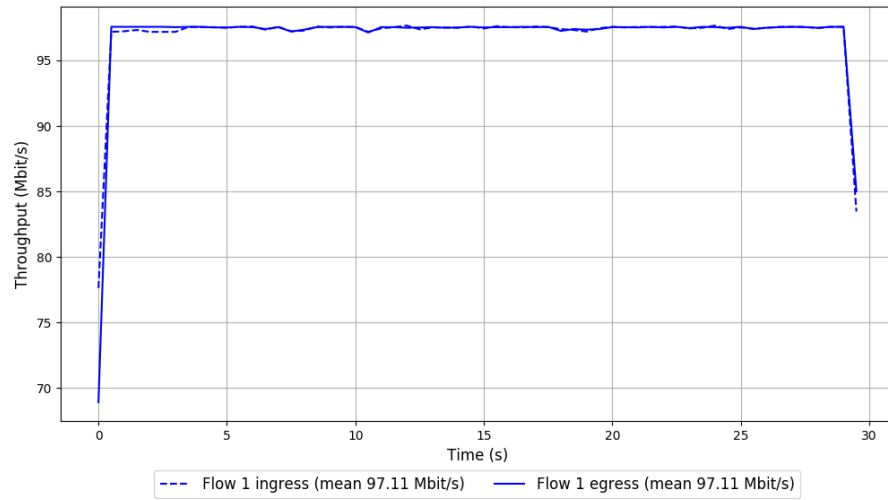


Run 10: Statistics of TCP Vegas

Start at: 2018-01-16 13:17:34
End at: 2018-01-16 13:18:04
Local clock offset: 1.951 ms
Remote clock offset: -13.957 ms

Below is generated by plot.py at 2018-01-16 17:23:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 40.730 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 40.730 ms
Loss rate: 0.09%

Run 10: Report of TCP Vegas — Data Link

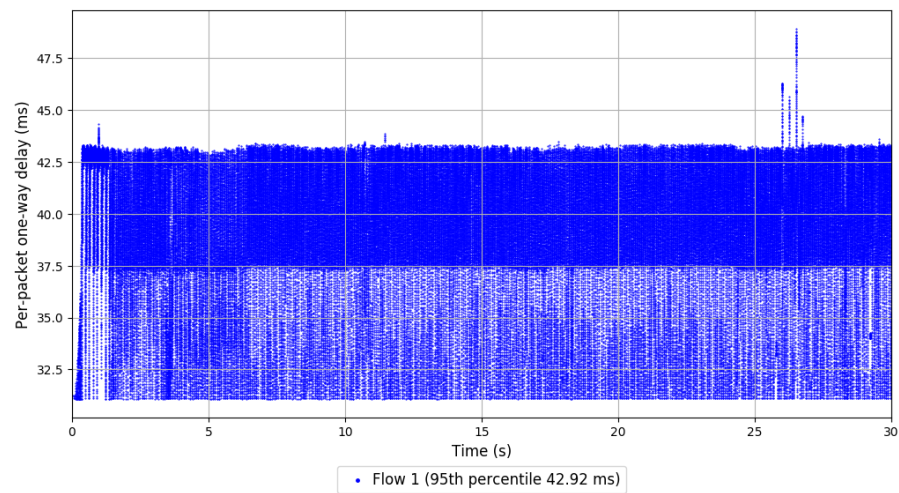
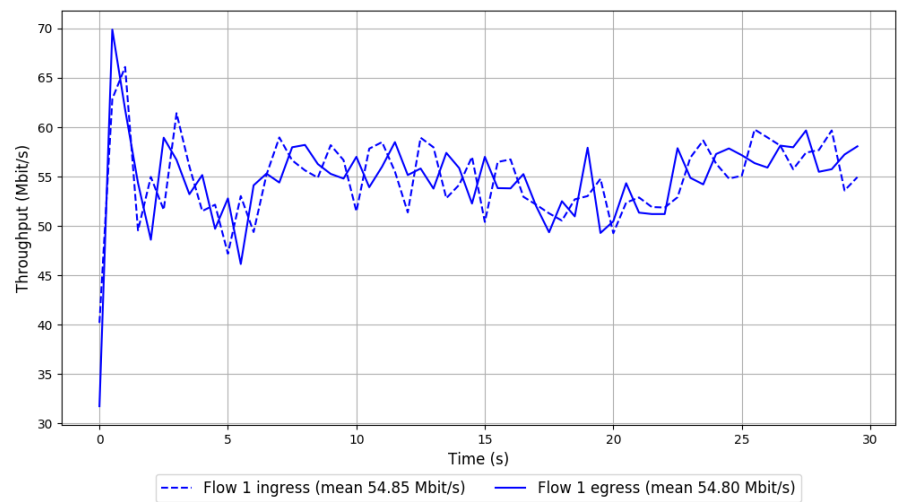


Run 1: Statistics of Verus

Start at: 2018-01-16 10:01:08
End at: 2018-01-16 10:01:38
Local clock offset: -4.149 ms
Remote clock offset: -13.612 ms

Below is generated by plot.py at 2018-01-16 17:23:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 42.925 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 42.925 ms
Loss rate: 0.07%

Run 1: Report of Verus — Data Link

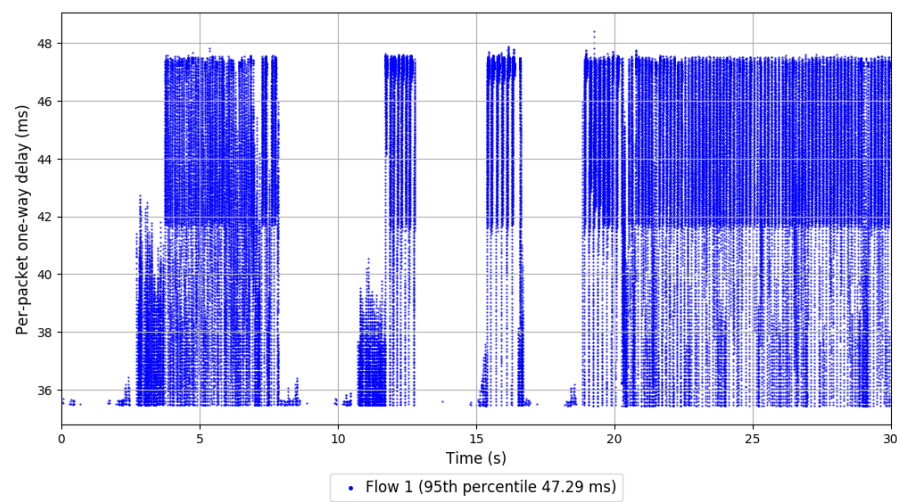
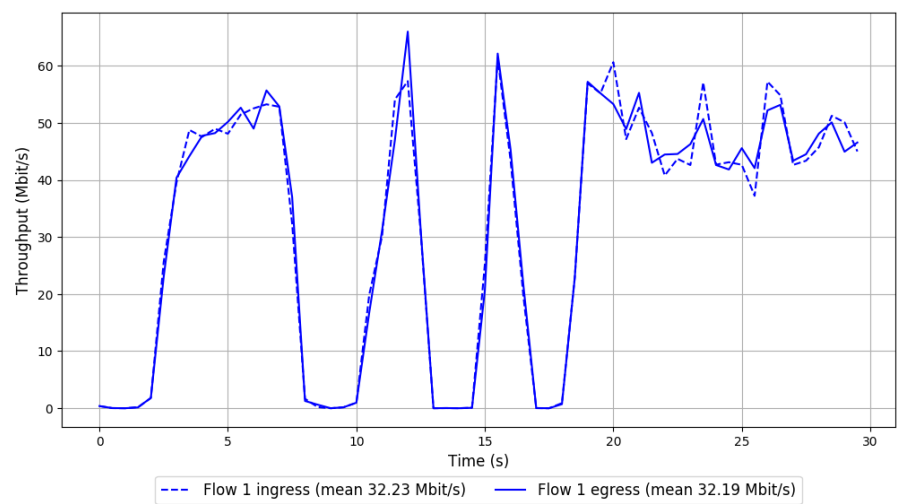


Run 2: Statistics of Verus

Start at: 2018-01-16 10:24:49
End at: 2018-01-16 10:25:19
Local clock offset: -0.161 ms
Remote clock offset: -14.115 ms

Below is generated by plot.py at 2018-01-16 17:23:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 47.293 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 47.293 ms
Loss rate: 0.37%

Run 2: Report of Verus — Data Link

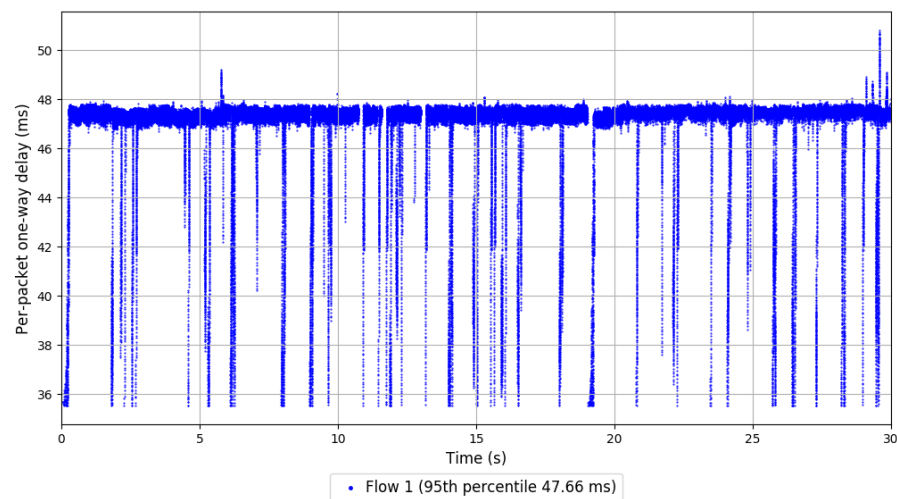
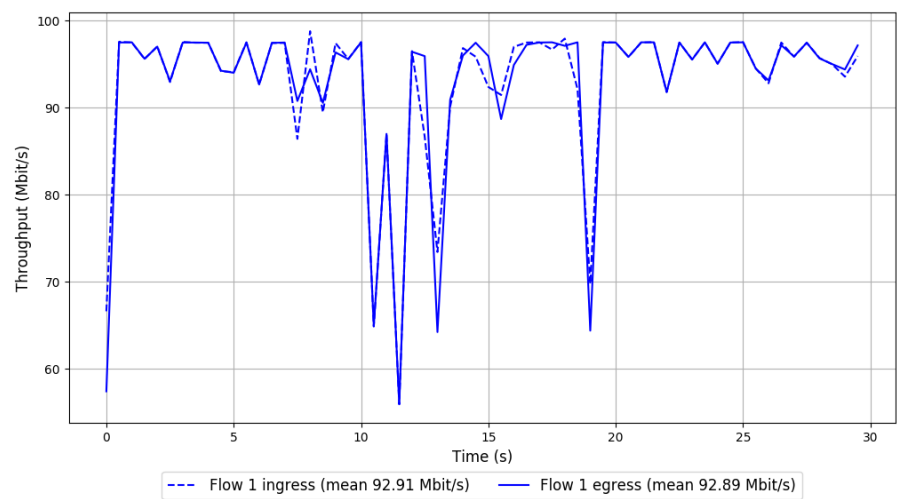


Run 3: Statistics of Verus

Start at: 2018-01-16 10:46:24
End at: 2018-01-16 10:46:54
Local clock offset: -0.968 ms
Remote clock offset: -14.692 ms

Below is generated by plot.py at 2018-01-16 17:24:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 47.661 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 47.661 ms
Loss rate: 0.13%

Run 3: Report of Verus — Data Link

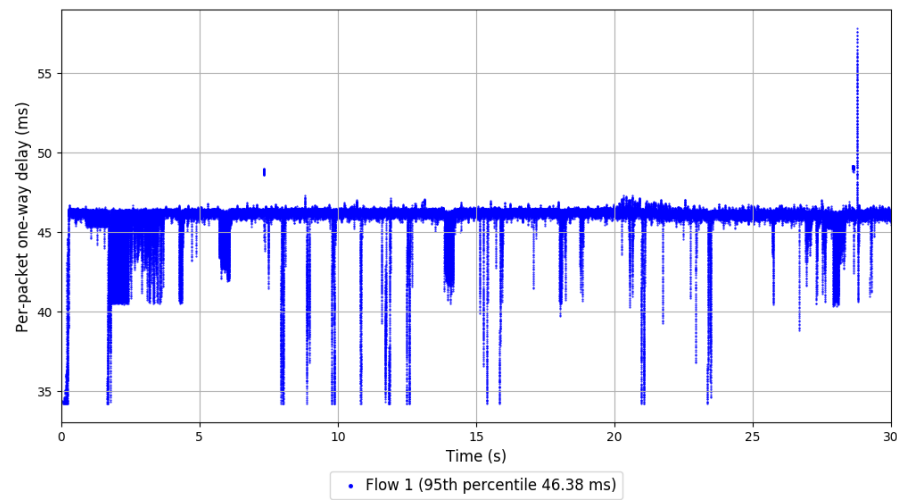
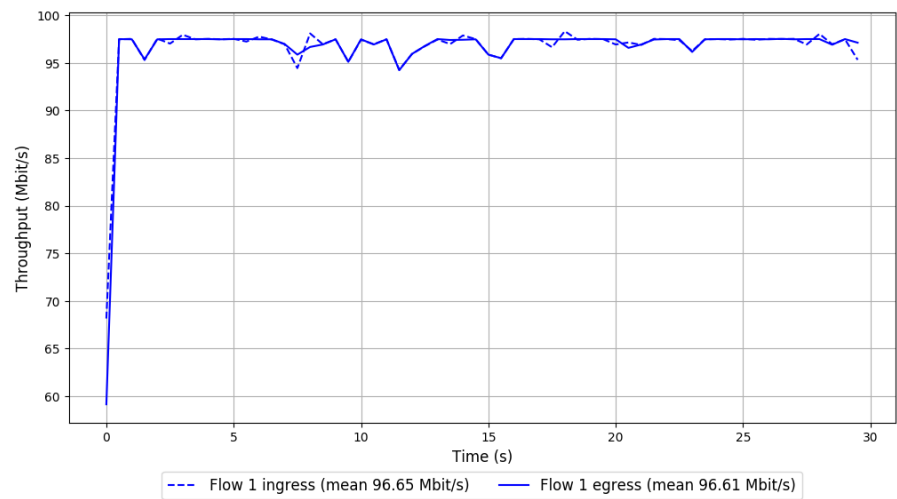


Run 4: Statistics of Verus

Start at: 2018-01-16 11:07:36
End at: 2018-01-16 11:08:06
Local clock offset: -1.549 ms
Remote clock offset: -13.138 ms

Below is generated by plot.py at 2018-01-16 17:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 46.385 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 46.385 ms
Loss rate: 0.12%

Run 4: Report of Verus — Data Link

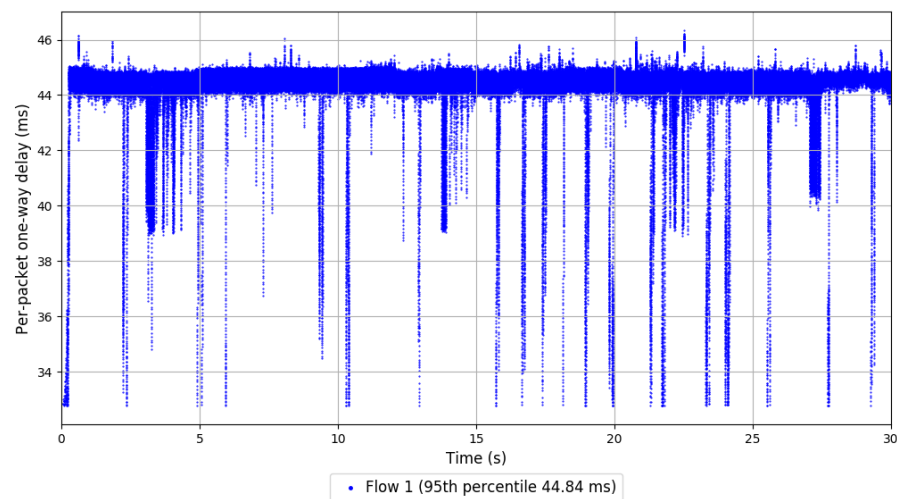
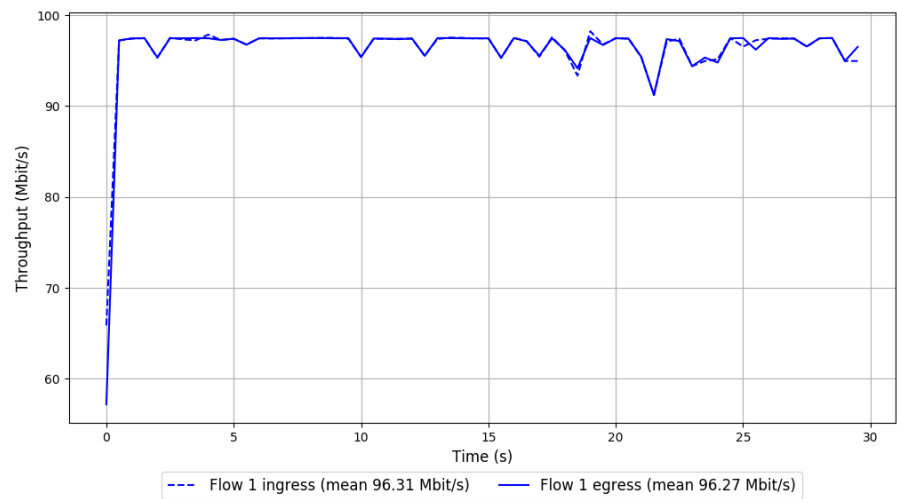


Run 5: Statistics of Verus

Start at: 2018-01-16 11:29:04
End at: 2018-01-16 11:29:35
Local clock offset: -2.051 ms
Remote clock offset: -12.086 ms

Below is generated by plot.py at 2018-01-16 17:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 44.839 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 44.839 ms
Loss rate: 0.12%

Run 5: Report of Verus — Data Link

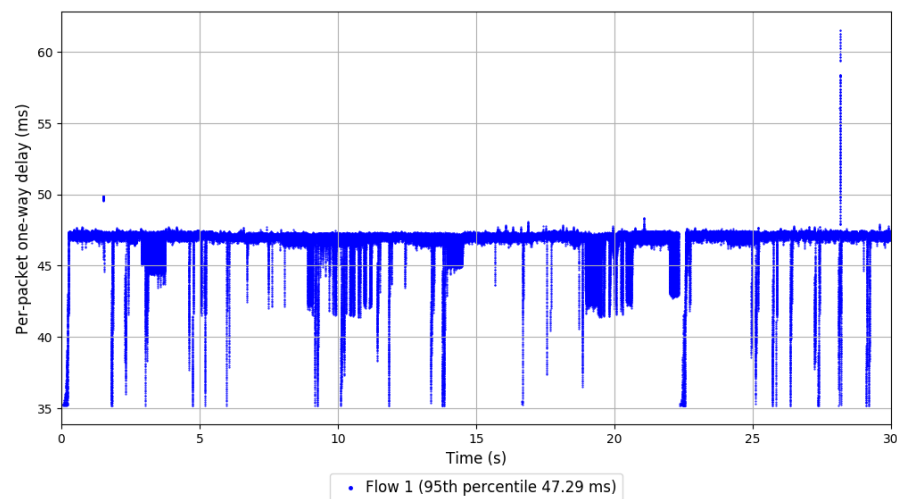
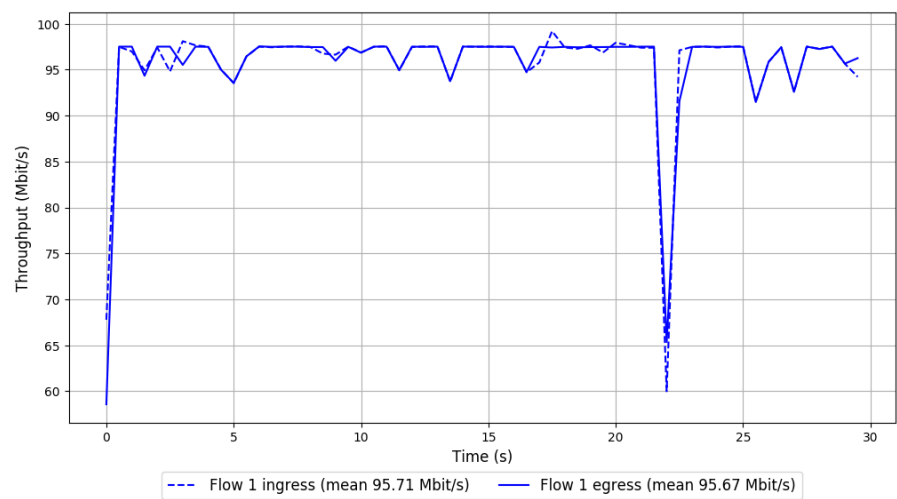


Run 6: Statistics of Verus

Start at: 2018-01-16 11:50:54
End at: 2018-01-16 11:51:24
Local clock offset: -0.286 ms
Remote clock offset: -13.59 ms

Below is generated by plot.py at 2018-01-16 17:24:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 47.294 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 47.294 ms
Loss rate: 0.12%

Run 6: Report of Verus — Data Link

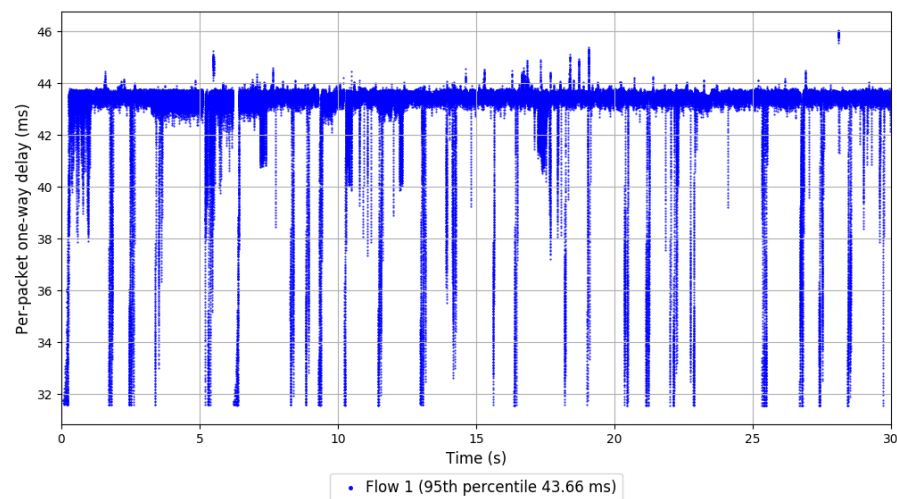
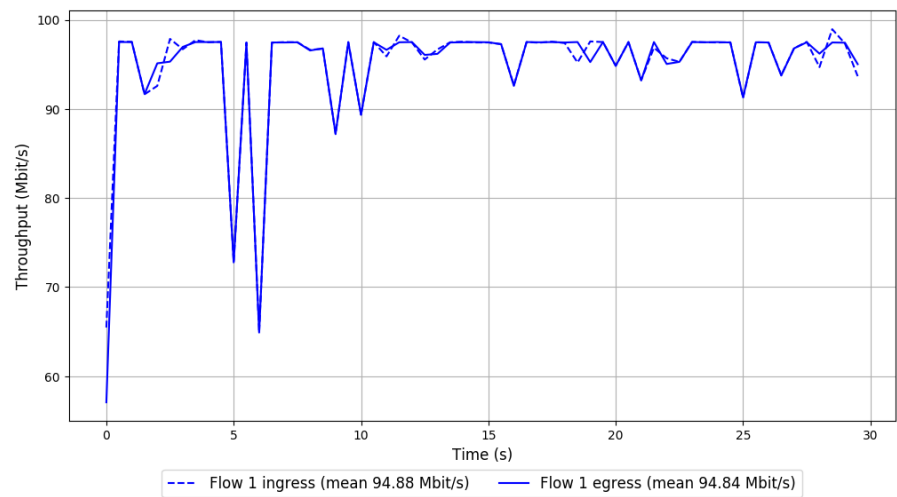


Run 7: Statistics of Verus

Start at: 2018-01-16 12:12:06
End at: 2018-01-16 12:12:36
Local clock offset: -0.99 ms
Remote clock offset: -10.925 ms

Below is generated by plot.py at 2018-01-16 17:24:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 43.665 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 43.665 ms
Loss rate: 0.12%

Run 7: Report of Verus — Data Link

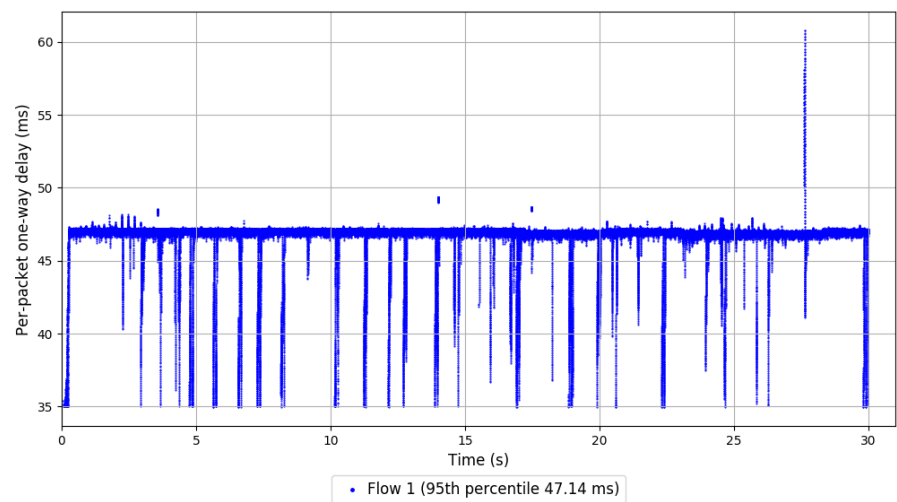
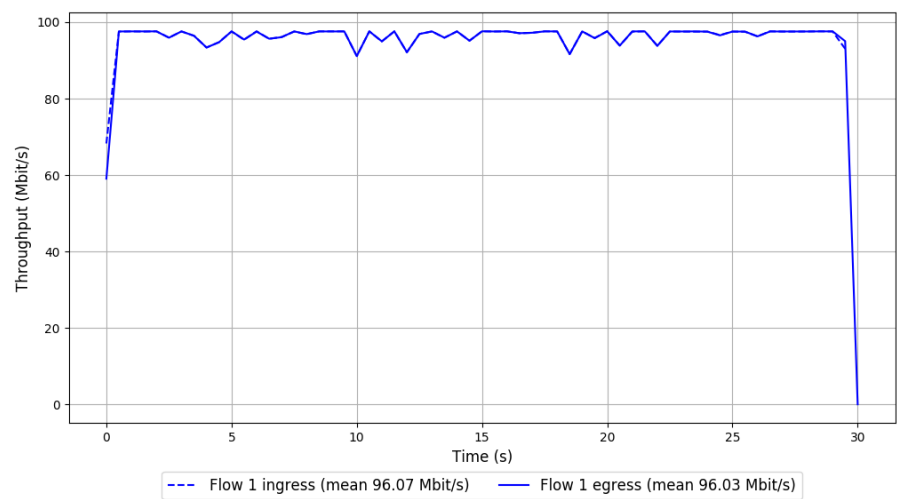


Run 8: Statistics of Verus

Start at: 2018-01-16 12:33:10
End at: 2018-01-16 12:33:40
Local clock offset: -0.116 ms
Remote clock offset: -15.357 ms

Below is generated by plot.py at 2018-01-16 17:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 47.140 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 47.140 ms
Loss rate: 0.12%

Run 8: Report of Verus — Data Link

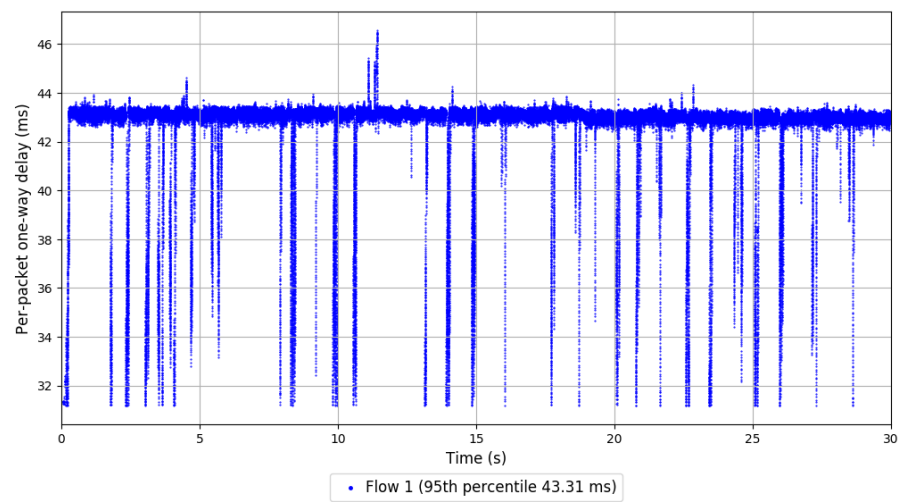
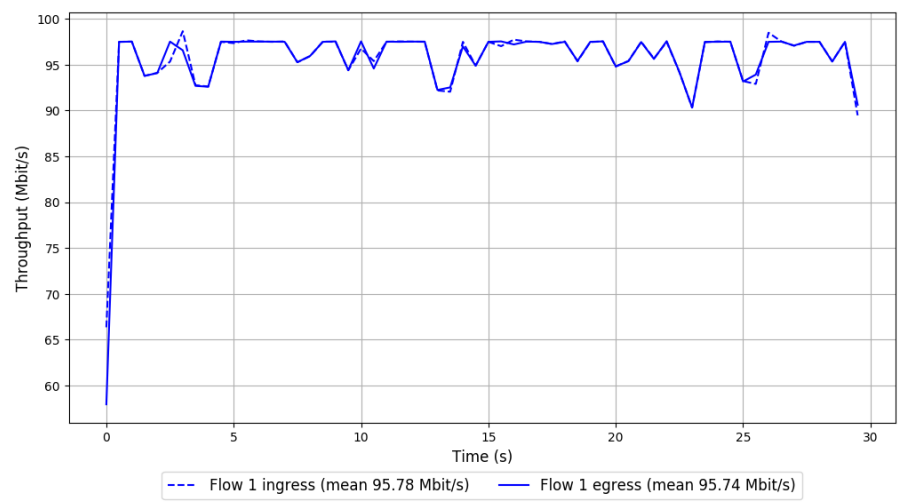


Run 9: Statistics of Verus

Start at: 2018-01-16 12:54:11
End at: 2018-01-16 12:54:41
Local clock offset: -1.825 ms
Remote clock offset: -14.879 ms

Below is generated by plot.py at 2018-01-16 17:24:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 43.306 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 43.306 ms
Loss rate: 0.13%

Run 9: Report of Verus — Data Link

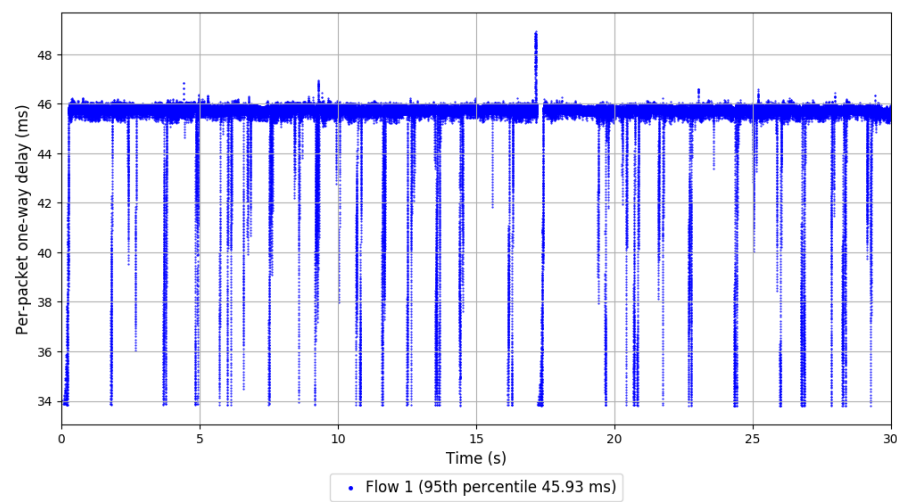
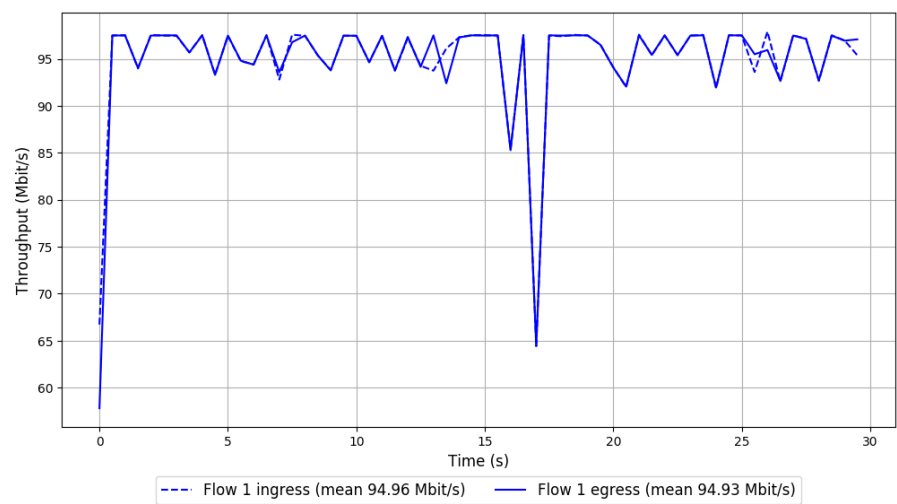


Run 10: Statistics of Verus

Start at: 2018-01-16 13:15:12
End at: 2018-01-16 13:15:43
Local clock offset: 2.495 ms
Remote clock offset: -13.963 ms

Below is generated by plot.py at 2018-01-16 17:24:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 45.928 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 45.928 ms
Loss rate: 0.13%

Run 10: Report of Verus — Data Link

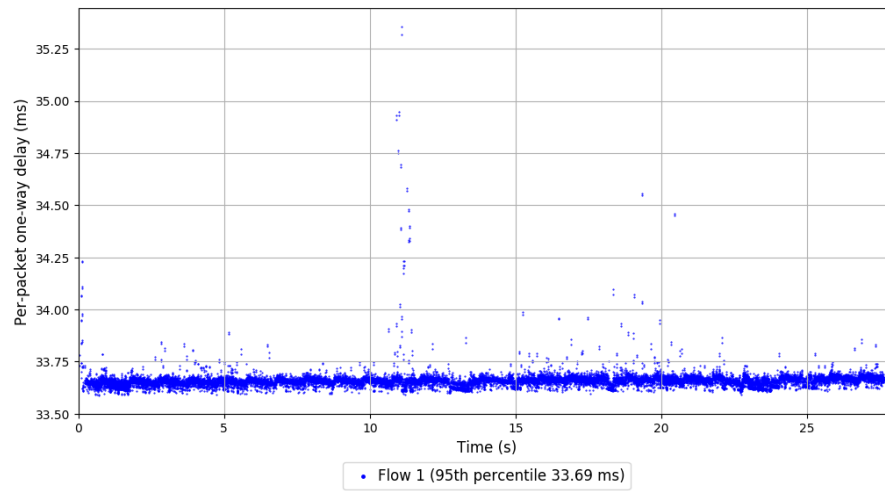
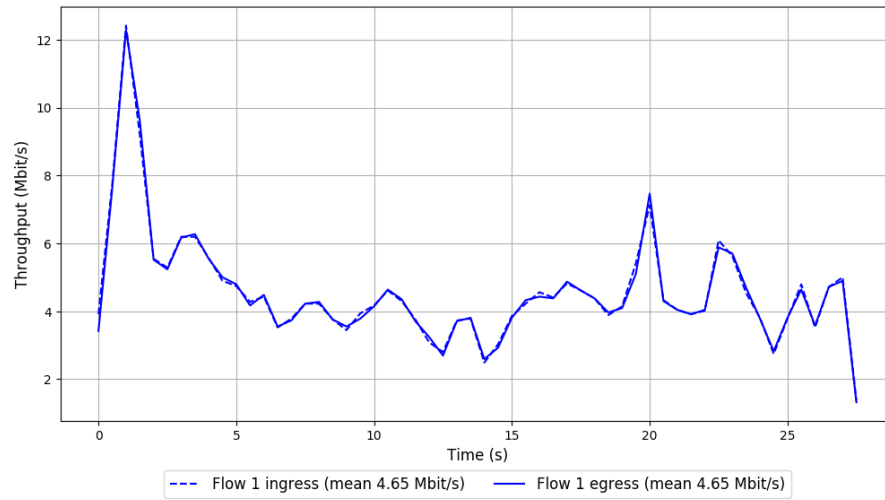


Run 1: Statistics of Copa

Start at: 2018-01-16 10:10:46
End at: 2018-01-16 10:11:16
Local clock offset: -2.244 ms
Remote clock offset: -13.777 ms

Below is generated by plot.py at 2018-01-16 17:24:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 33.688 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 33.688 ms
Loss rate: 0.16%

Run 1: Report of Copa — Data Link

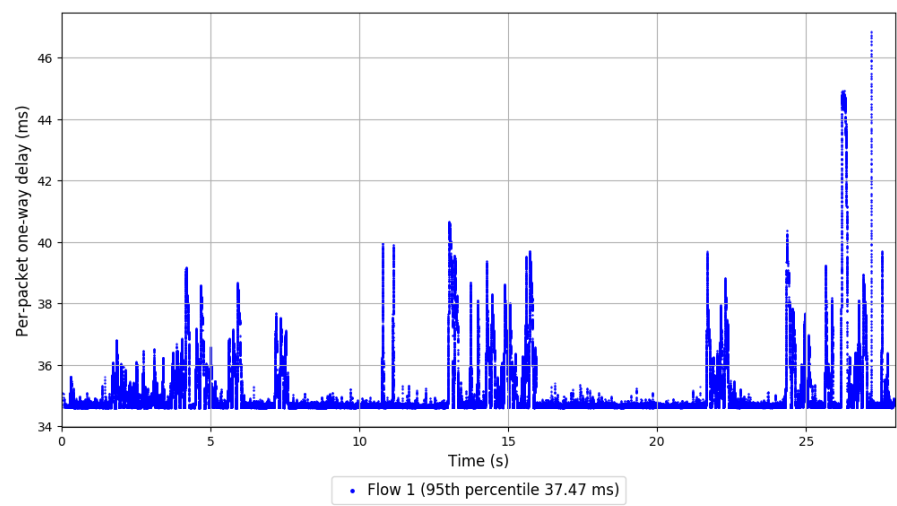
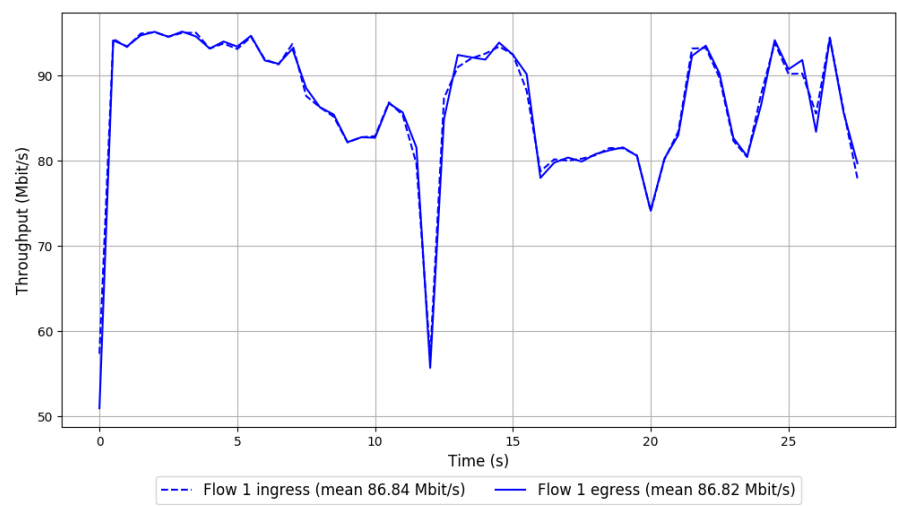


Run 2: Statistics of Copa

Start at: 2018-01-16 10:34:28
End at: 2018-01-16 10:34:58
Local clock offset: -0.942 ms
Remote clock offset: -14.05 ms

Below is generated by plot.py at 2018-01-16 17:26:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 37.472 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 37.472 ms
Loss rate: 0.11%

Run 2: Report of Copa — Data Link

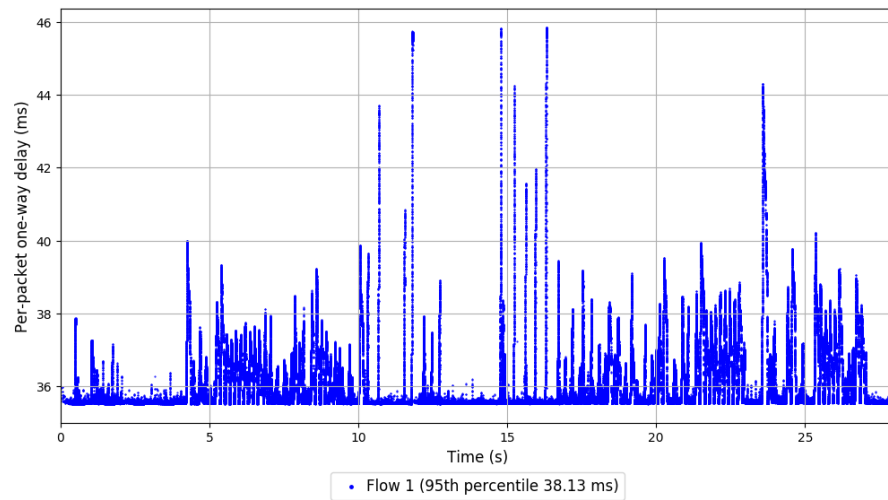
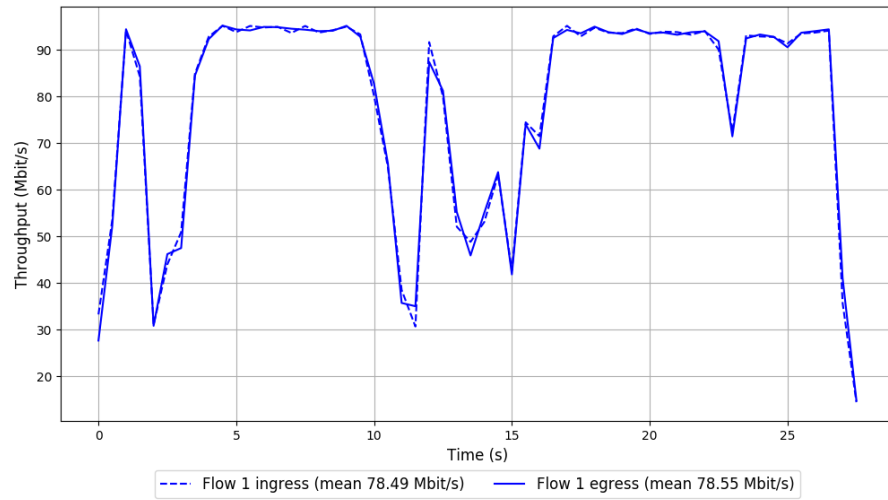


Run 3: Statistics of Copa

Start at: 2018-01-16 10:55:52
End at: 2018-01-16 10:56:23
Local clock offset: -1.136 ms
Remote clock offset: -14.504 ms

Below is generated by plot.py at 2018-01-16 17:26:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 38.129 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 38.129 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

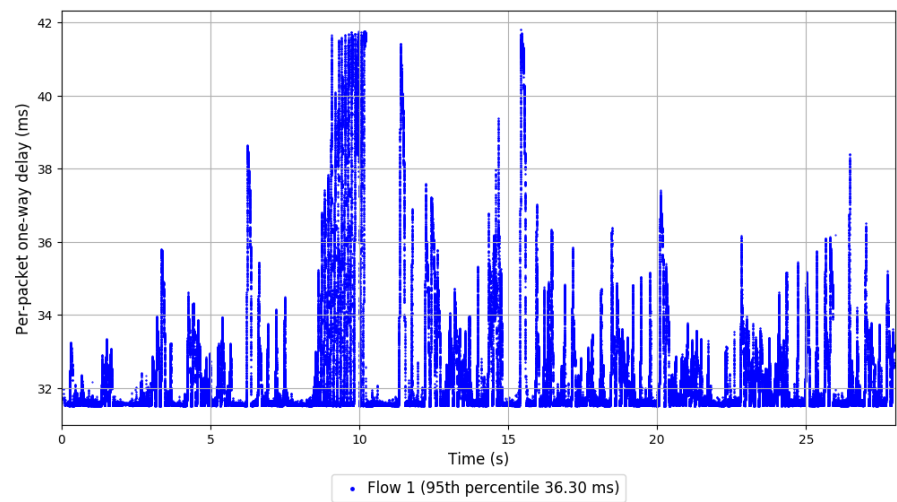
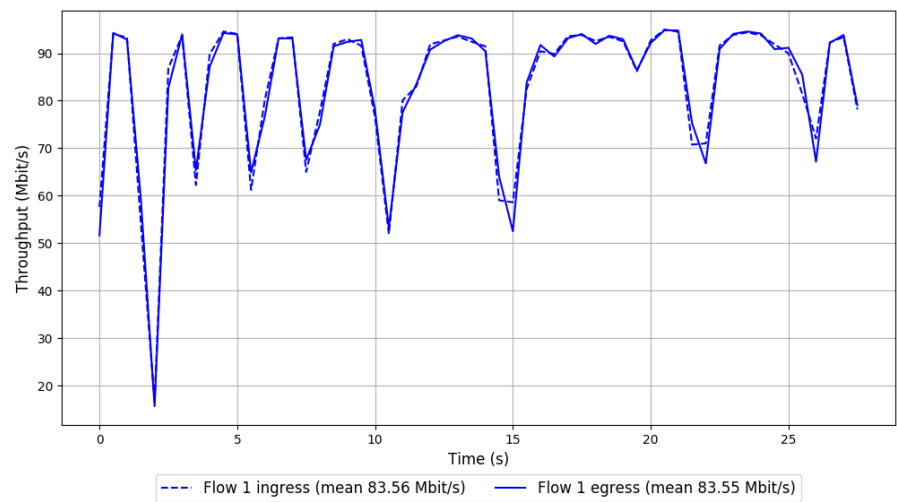


Run 4: Statistics of Copa

Start at: 2018-01-16 11:17:08
End at: 2018-01-16 11:17:38
Local clock offset: -4.632 ms
Remote clock offset: -13.341 ms

Below is generated by plot.py at 2018-01-16 17:26:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 36.297 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 36.297 ms
Loss rate: 0.11%

Run 4: Report of Copa — Data Link

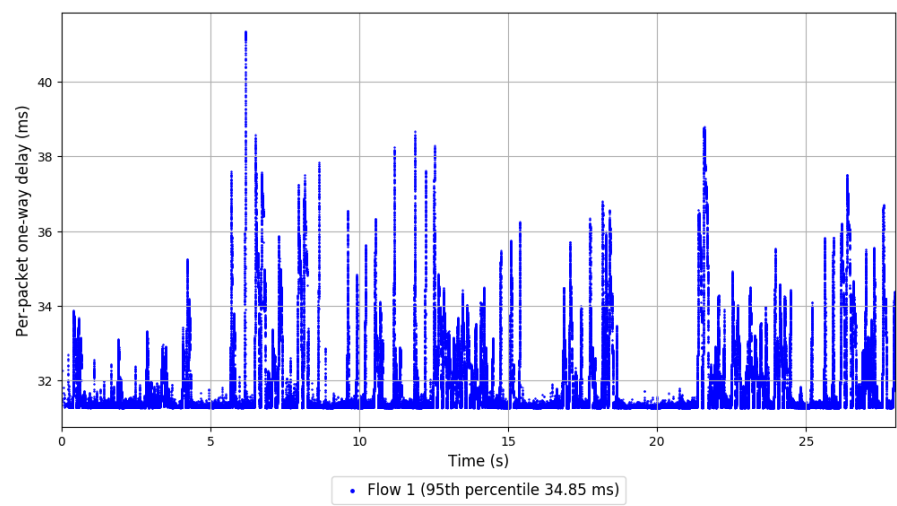
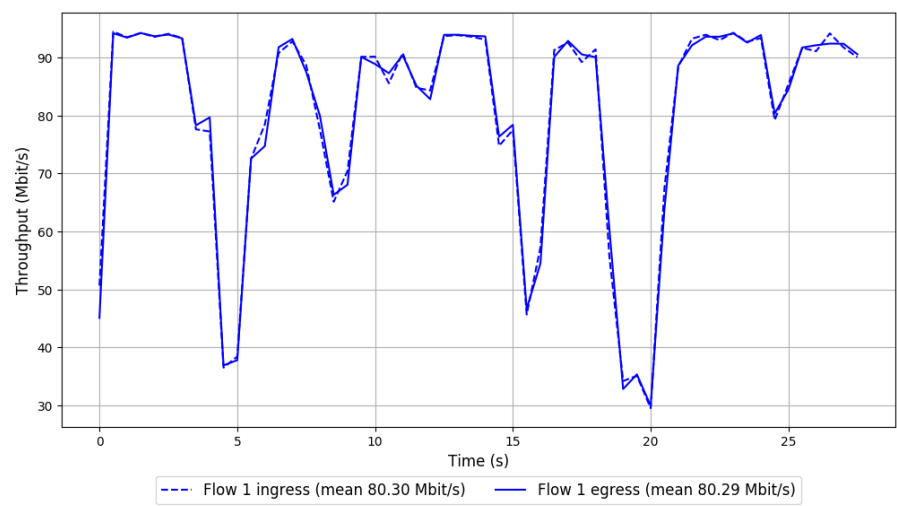


Run 5: Statistics of Copa

Start at: 2018-01-16 11:38:58
End at: 2018-01-16 11:39:28
Local clock offset: -2.839 ms
Remote clock offset: -11.42 ms

Below is generated by plot.py at 2018-01-16 17:26:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 34.850 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 34.850 ms
Loss rate: 0.11%

Run 5: Report of Copa — Data Link

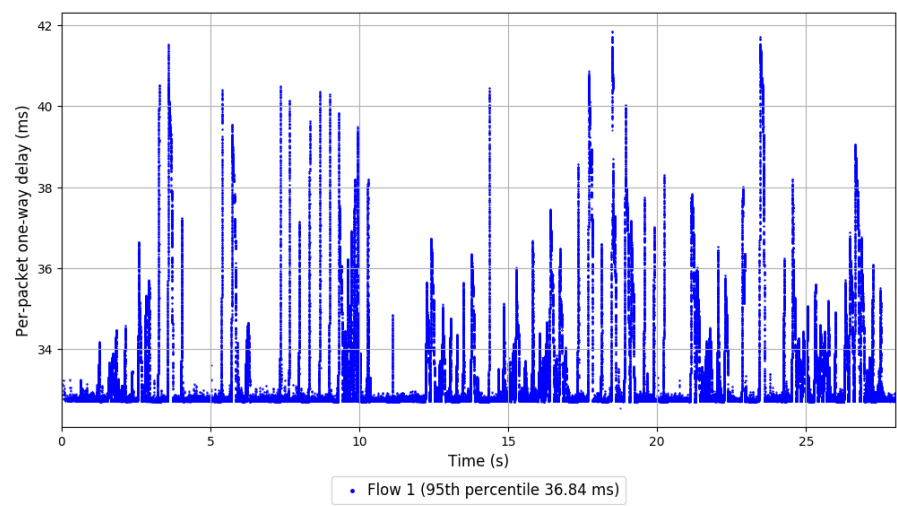
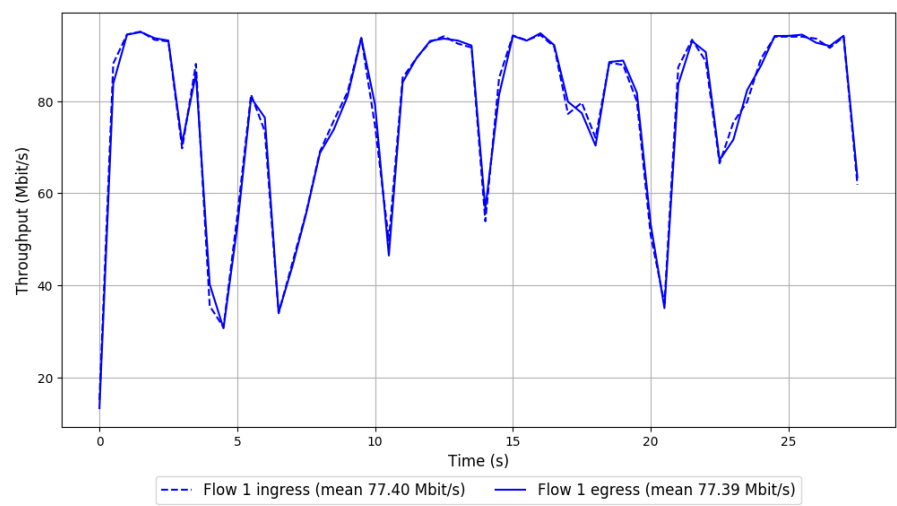


Run 6: Statistics of Copa

Start at: 2018-01-16 12:00:18
End at: 2018-01-16 12:00:48
Local clock offset: -1.066 ms
Remote clock offset: -11.94 ms

Below is generated by plot.py at 2018-01-16 17:26:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 36.837 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 36.837 ms
Loss rate: 0.11%

Run 6: Report of Copa — Data Link

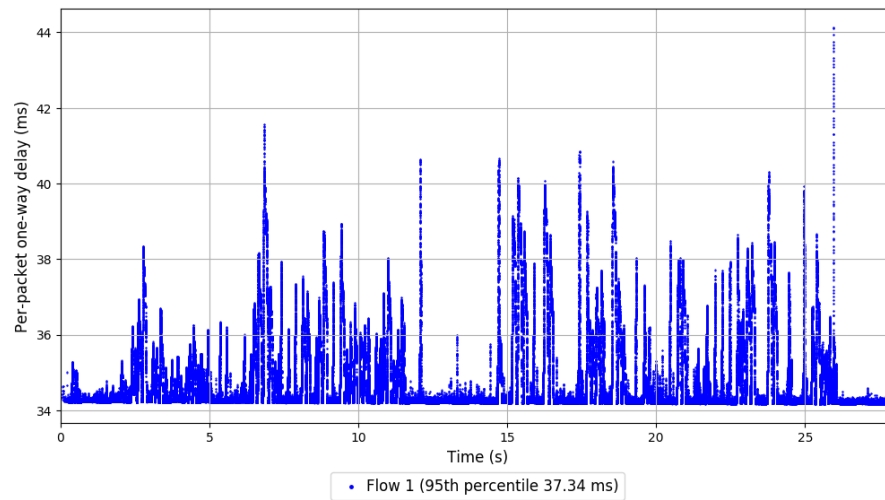
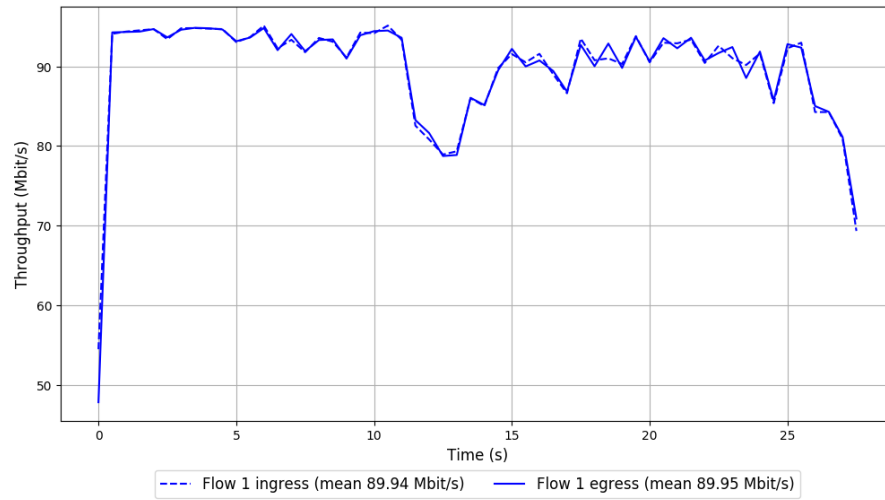


Run 7: Statistics of Copa

Start at: 2018-01-16 12:21:27
End at: 2018-01-16 12:21:57
Local clock offset: 0.817 ms
Remote clock offset: -12.431 ms

Below is generated by plot.py at 2018-01-16 17:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 37.337 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 37.337 ms
Loss rate: 0.08%

Run 7: Report of Copa — Data Link

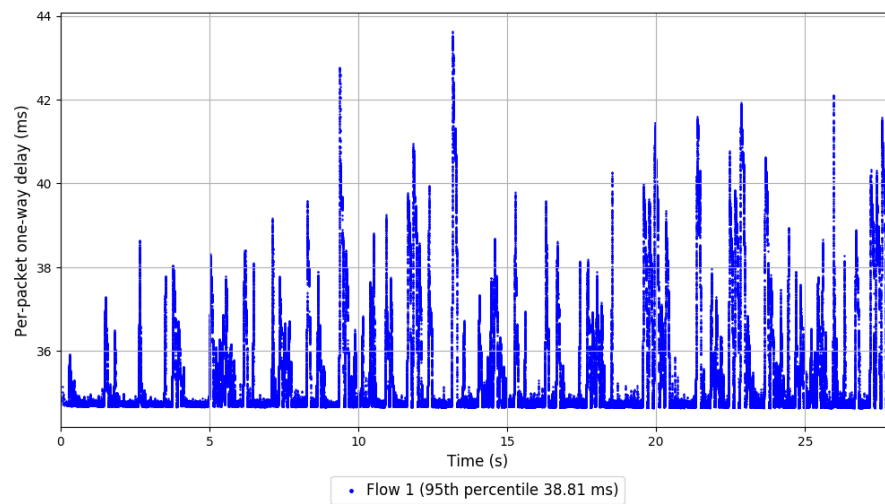
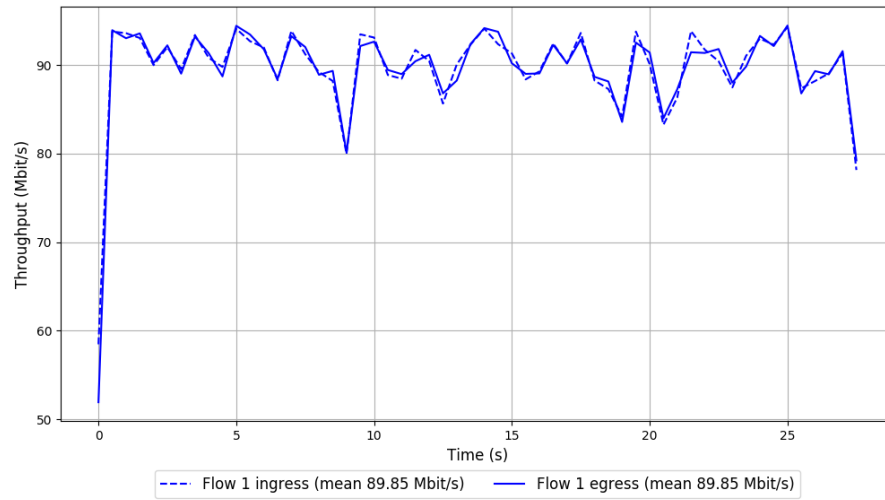


Run 8: Statistics of Copa

Start at: 2018-01-16 12:42:24
End at: 2018-01-16 12:42:54
Local clock offset: 0.637 ms
Remote clock offset: -15.161 ms

Below is generated by plot.py at 2018-01-16 17:27:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 38.808 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 38.808 ms
Loss rate: 0.09%

Run 8: Report of Copa — Data Link

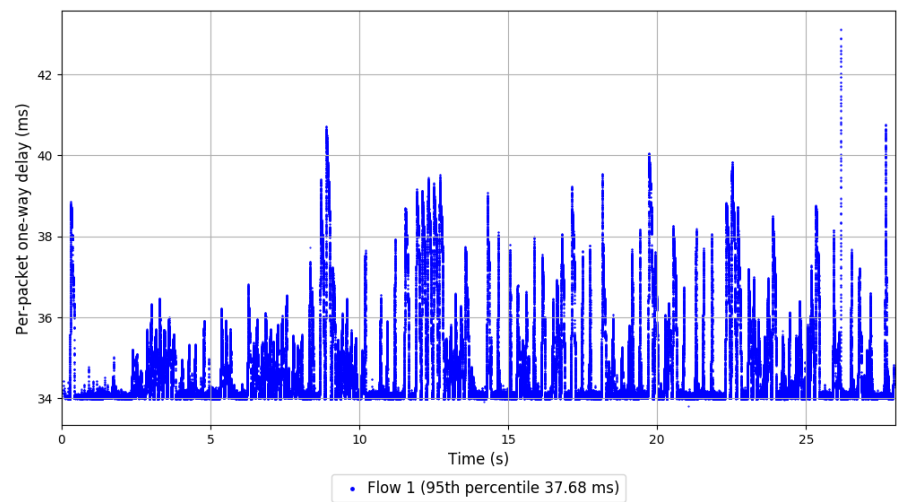
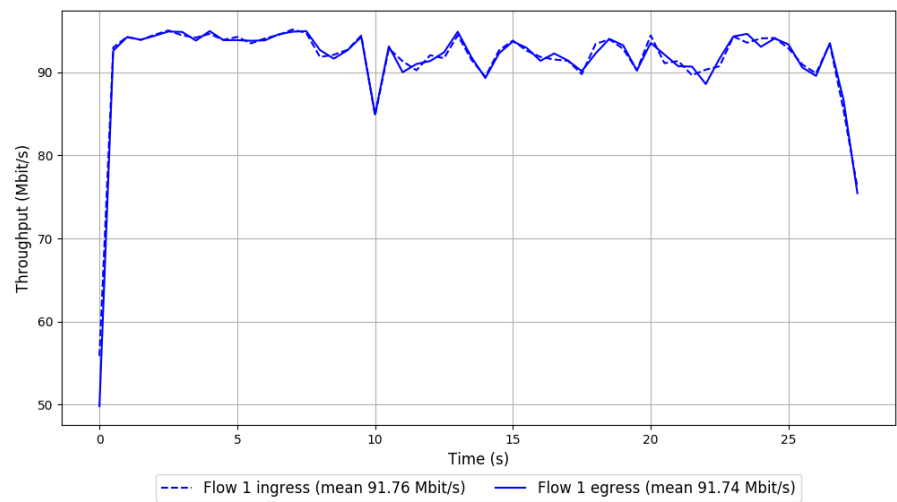


Run 9: Statistics of Copa

Start at: 2018-01-16 13:03:32
End at: 2018-01-16 13:04:02
Local clock offset: 2.432 ms
Remote clock offset: -13.557 ms

Below is generated by plot.py at 2018-01-16 17:27:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 37.683 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 37.683 ms
Loss rate: 0.12%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-16 13:24:41

End at: 2018-01-16 13:25:11

Local clock offset: 0.385 ms

Remote clock offset: -15.572 ms

Below is generated by plot.py at 2018-01-16 17:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 35.432 ms

Loss rate: 0.09%

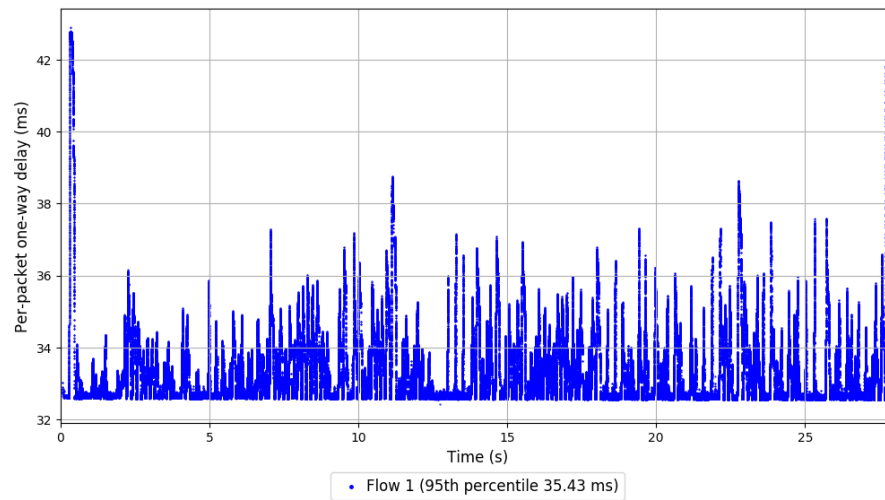
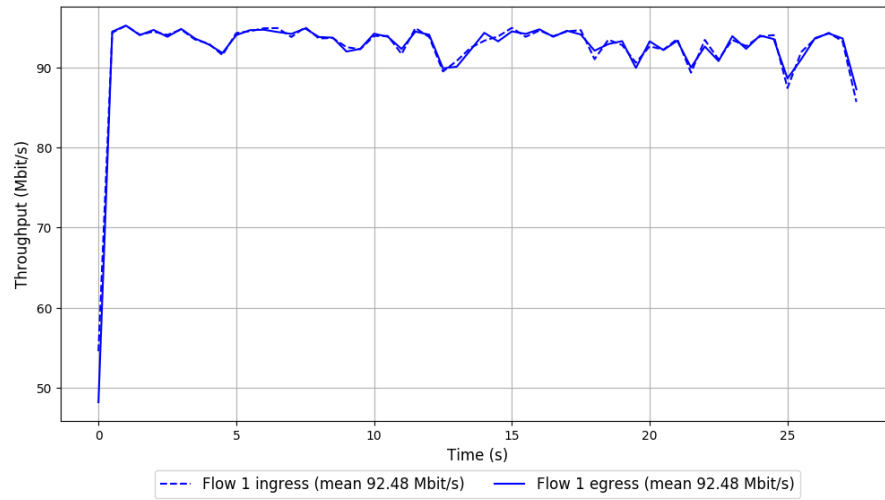
-- Flow 1:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 35.432 ms

Loss rate: 0.09%

Run 10: Report of Copa — Data Link

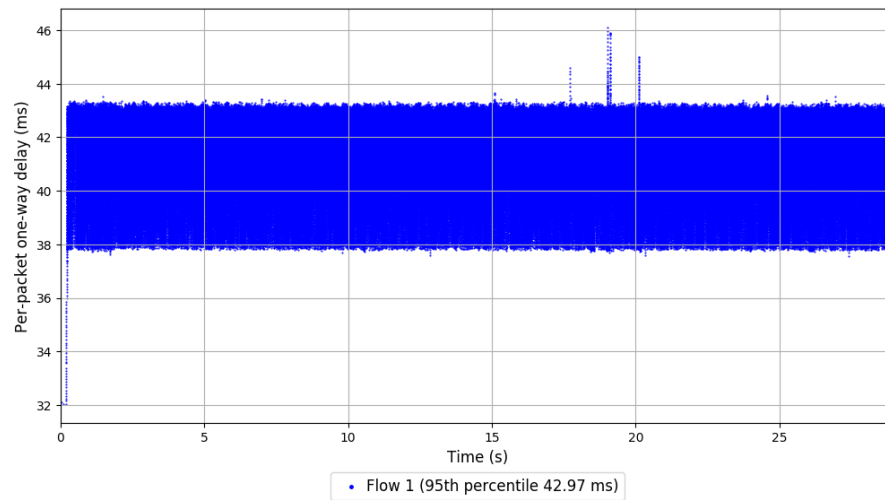
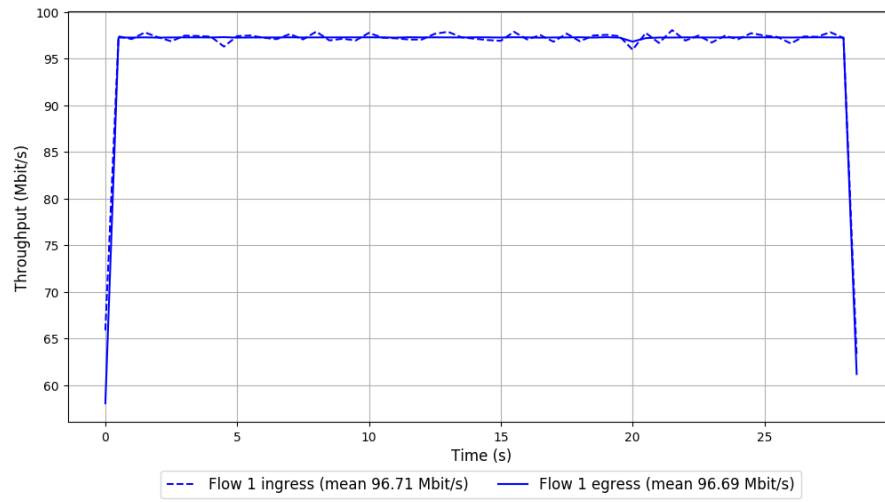


Run 1: Statistics of FillP

Start at: 2018-01-16 10:17:38
End at: 2018-01-16 10:18:08
Local clock offset: -4.318 ms
Remote clock offset: -14.32 ms

Below is generated by plot.py at 2018-01-16 17:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 42.971 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 42.971 ms
Loss rate: 0.18%

Run 1: Report of FillP — Data Link

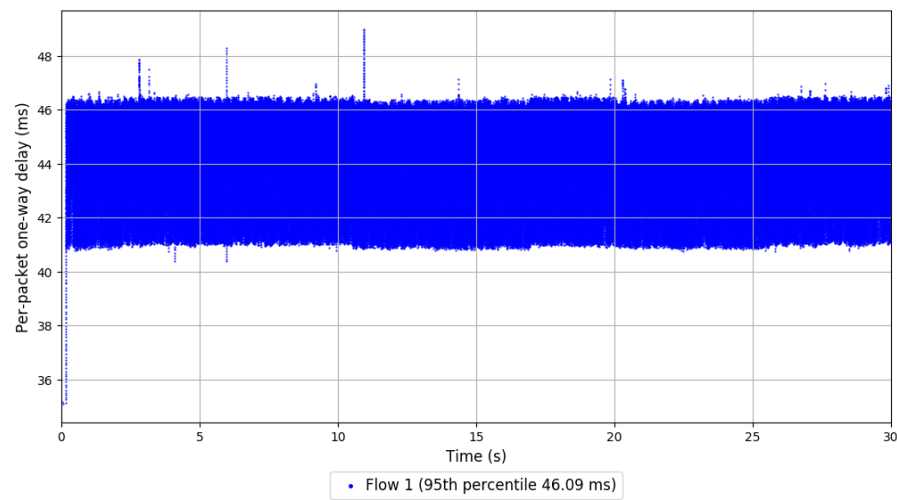
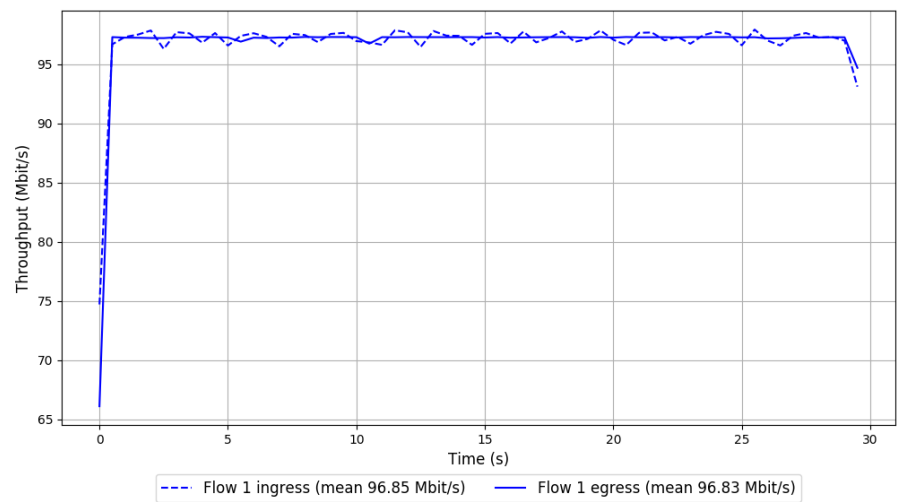


Run 2: Statistics of FillP

Start at: 2018-01-16 10:40:20
End at: 2018-01-16 10:40:50
Local clock offset: -1.552 ms
Remote clock offset: -15.079 ms

Below is generated by plot.py at 2018-01-16 17:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 46.093 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 46.093 ms
Loss rate: 0.12%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

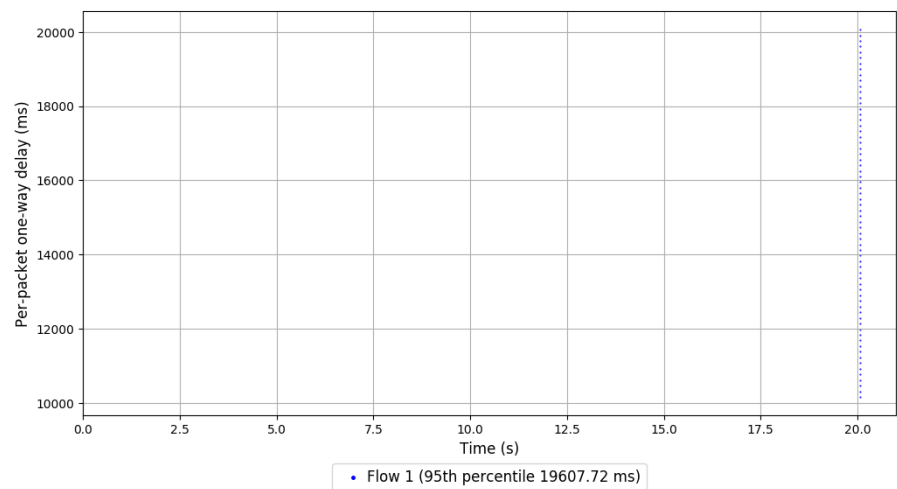
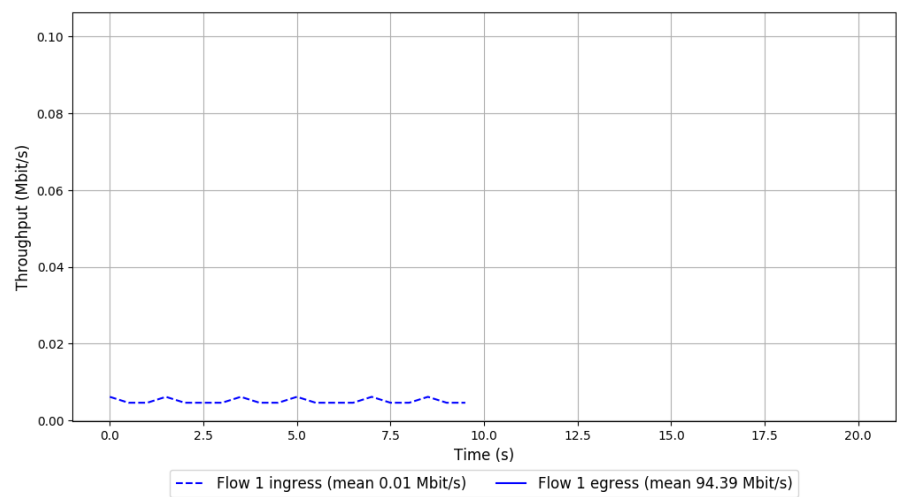
Start at: 2018-01-16 11:01:40

End at: 2018-01-16 11:02:10

Local clock offset: -3.538 ms

Remote clock offset: -24.394 ms

Run 3: Report of FillP — Data Link

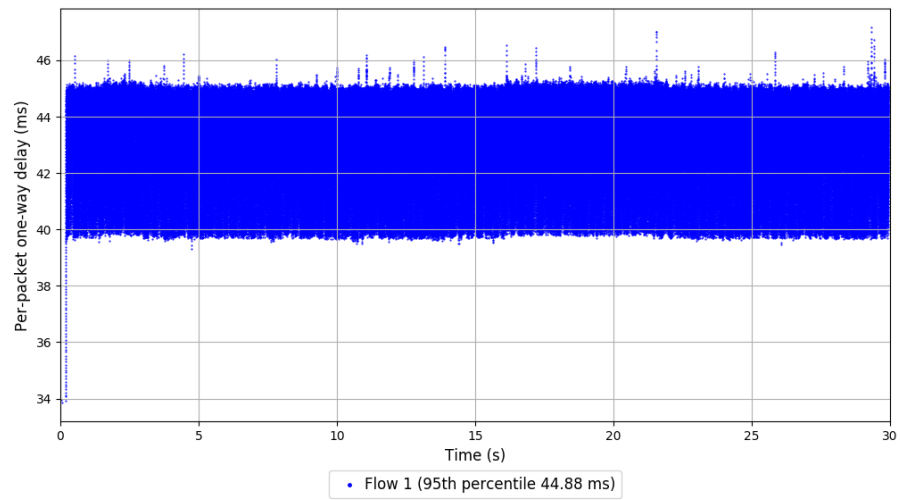
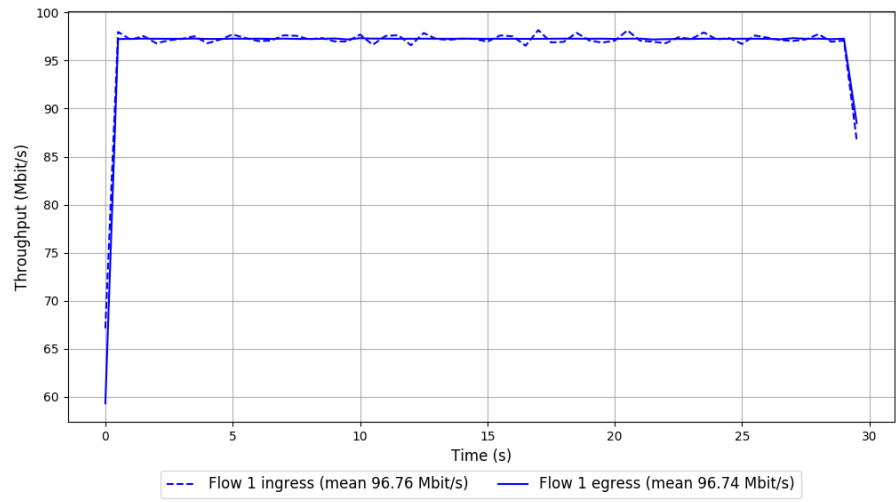


Run 4: Statistics of FillP

Start at: 2018-01-16 11:22:50
End at: 2018-01-16 11:23:20
Local clock offset: -3.843 ms
Remote clock offset: -15.048 ms

Below is generated by plot.py at 2018-01-16 17:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 44.877 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 44.877 ms
Loss rate: 0.11%

Run 4: Report of FillP — Data Link

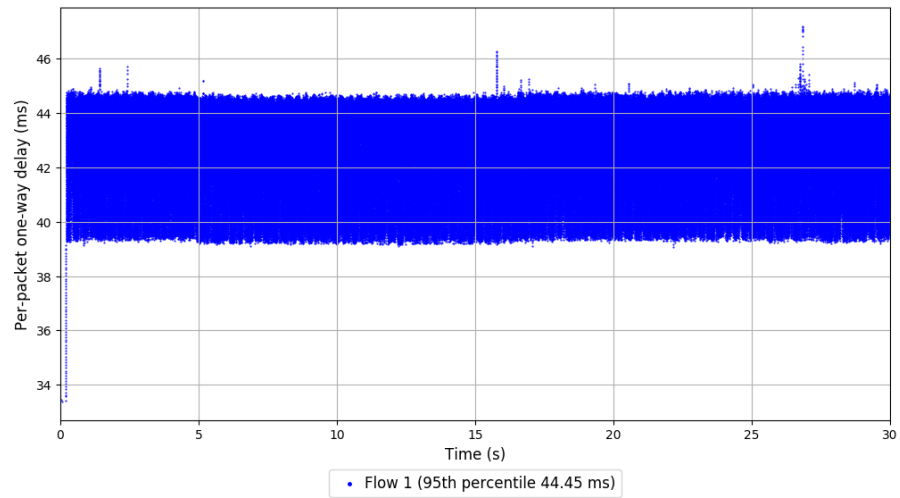
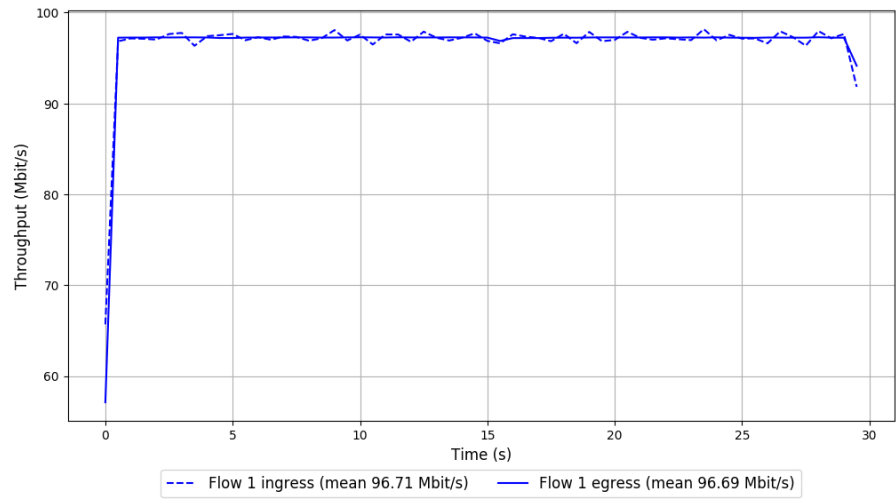


Run 5: Statistics of FillP

Start at: 2018-01-16 11:44:47
End at: 2018-01-16 11:45:17
Local clock offset: -0.524 ms
Remote clock offset: -11.437 ms

Below is generated by plot.py at 2018-01-16 17:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 44.448 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 44.448 ms
Loss rate: 0.11%

Run 5: Report of FillP — Data Link

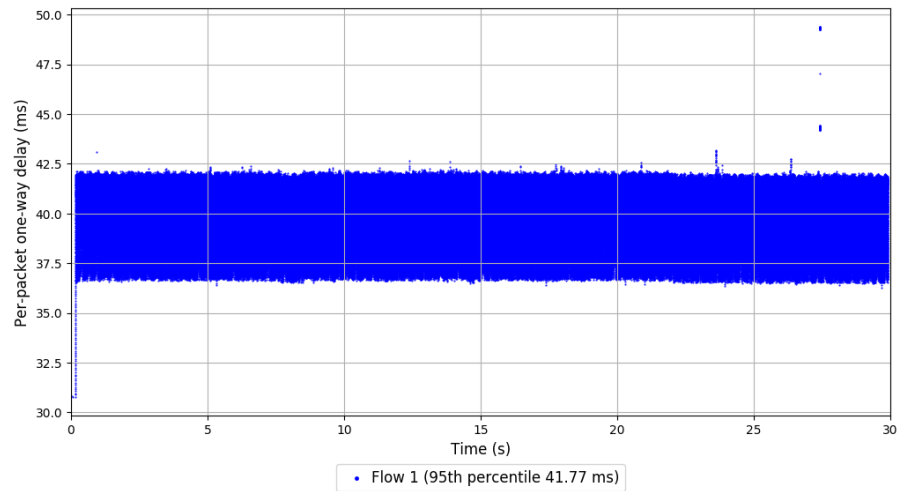
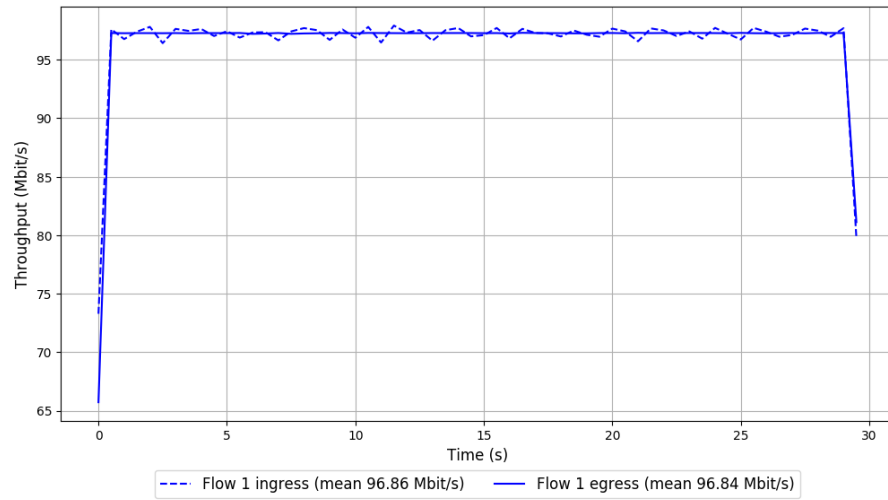


Run 6: Statistics of FillP

Start at: 2018-01-16 12:06:01
End at: 2018-01-16 12:06:31
Local clock offset: -2.72 ms
Remote clock offset: -11.801 ms

Below is generated by plot.py at 2018-01-16 17:28:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 41.775 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 41.775 ms
Loss rate: 0.12%

Run 6: Report of FillP — Data Link

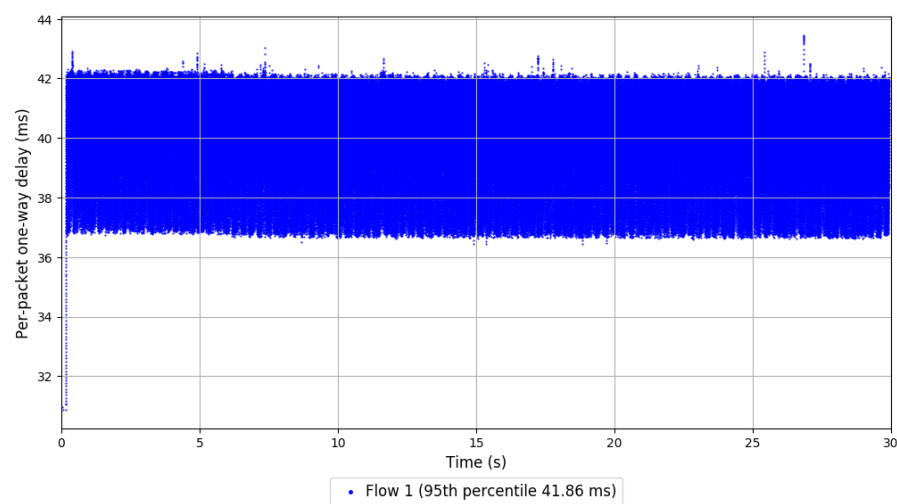
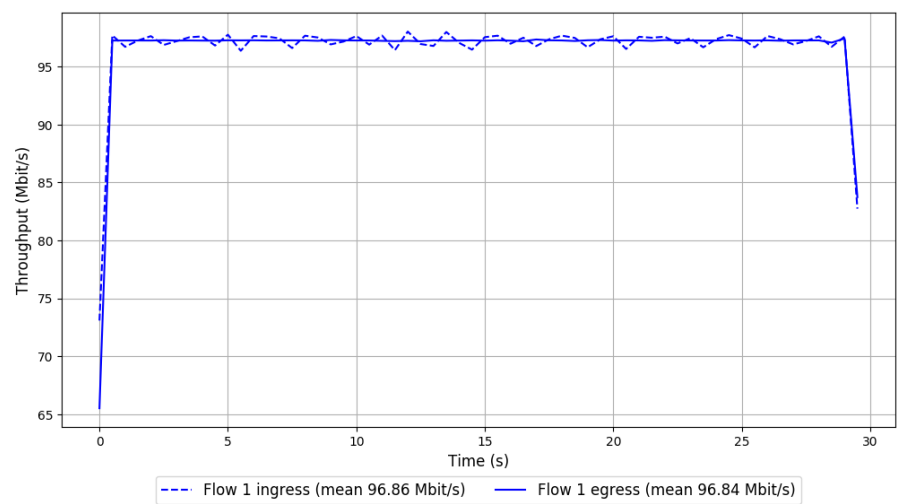


Run 7: Statistics of FillP

Start at: 2018-01-16 12:27:08
End at: 2018-01-16 12:27:38
Local clock offset: -0.974 ms
Remote clock offset: -11.627 ms

Below is generated by plot.py at 2018-01-16 17:28:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 41.859 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 41.859 ms
Loss rate: 0.12%

Run 7: Report of FillP — Data Link

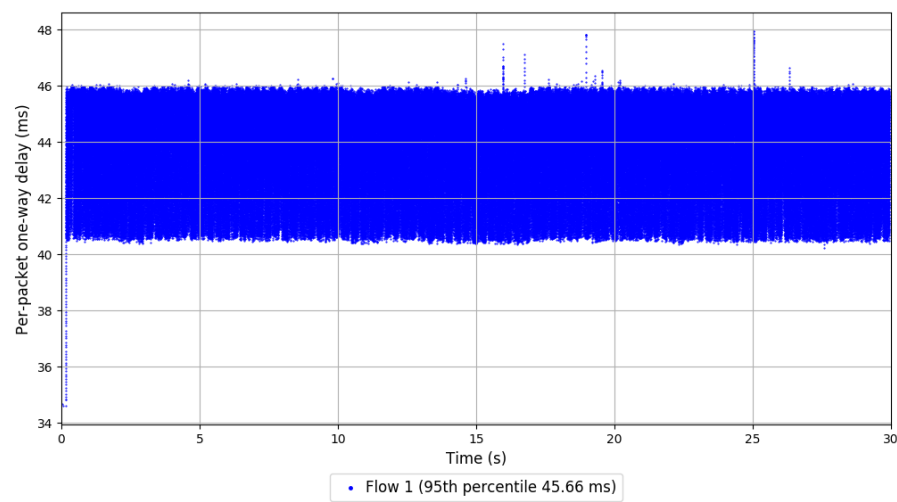
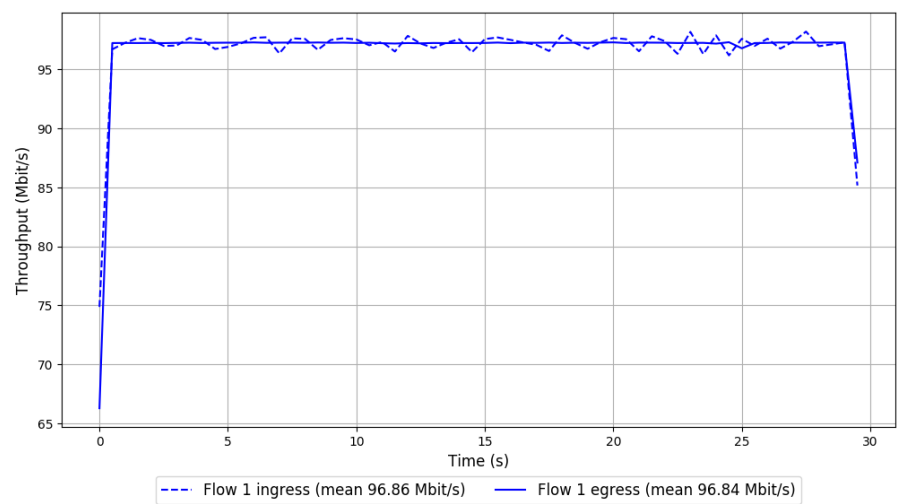


Run 8: Statistics of FillP

Start at: 2018-01-16 12:48:08
End at: 2018-01-16 12:48:38
Local clock offset: 1.18 ms
Remote clock offset: -15.208 ms

Below is generated by plot.py at 2018-01-16 17:28:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 45.655 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 45.655 ms
Loss rate: 0.11%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

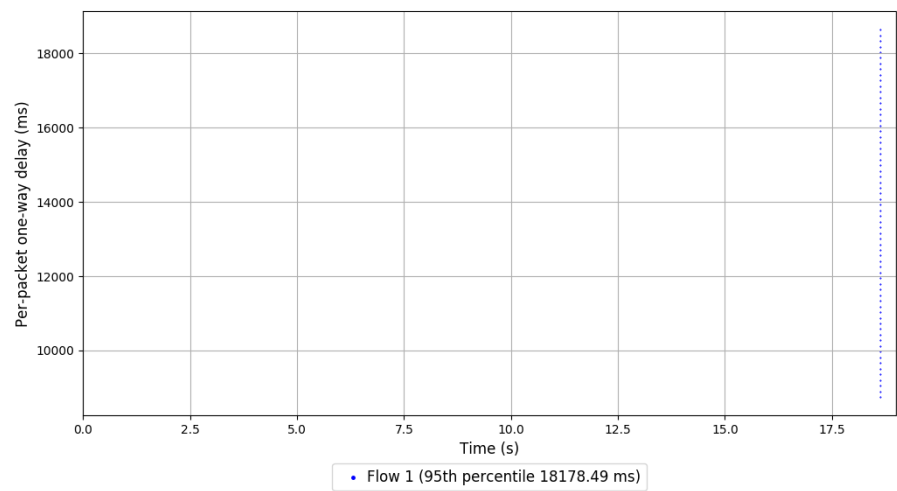
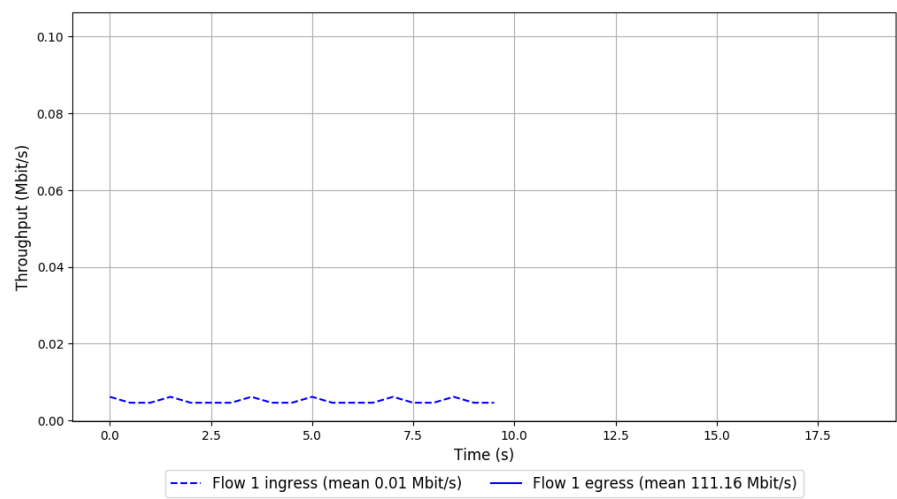
Start at: 2018-01-16 13:09:17

End at: 2018-01-16 13:09:47

Local clock offset: 1.122 ms

Remote clock offset: -13.133 ms

Run 9: Report of FillP — Data Link

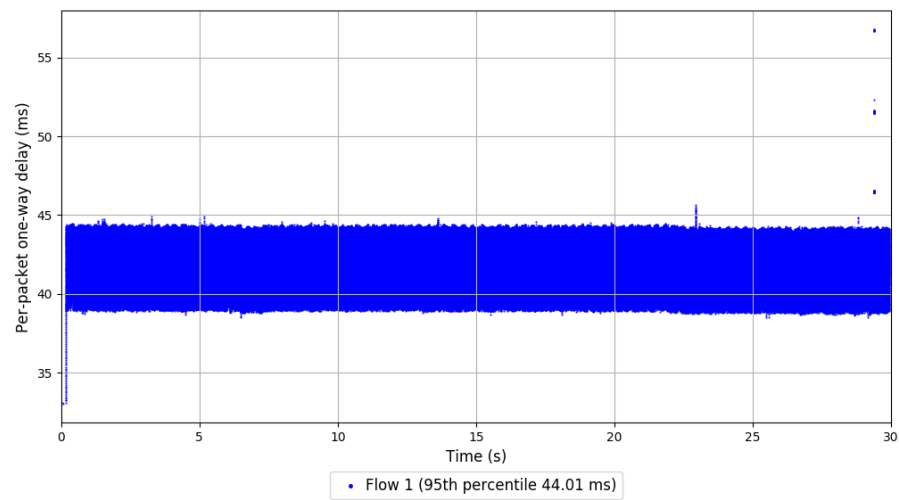
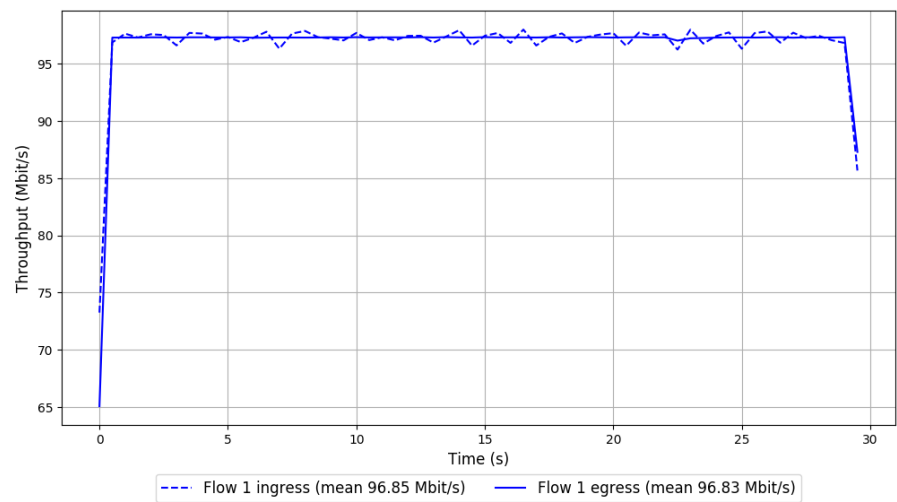


Run 10: Statistics of FillP

Start at: 2018-01-16 13:30:20
End at: 2018-01-16 13:30:50
Local clock offset: -4.151 ms
Remote clock offset: -21.173 ms

Below is generated by plot.py at 2018-01-16 17:29:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 44.009 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 44.009 ms
Loss rate: 0.11%

Run 10: Report of FillP — Data Link

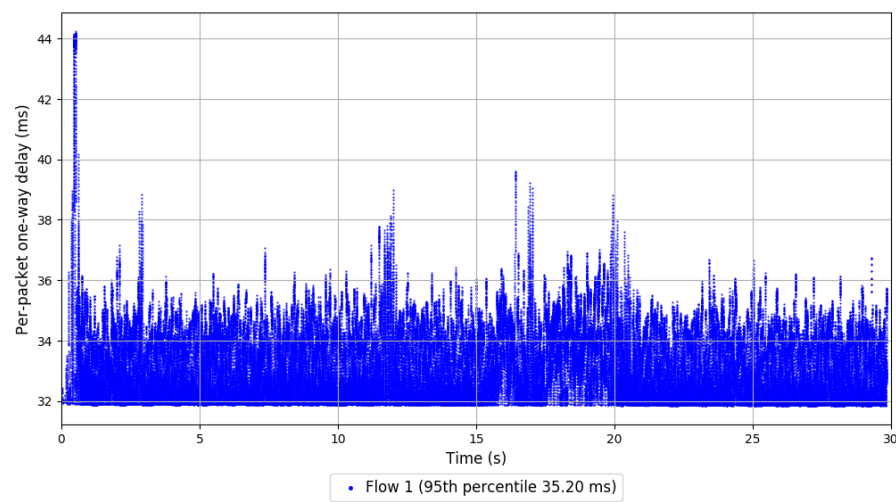
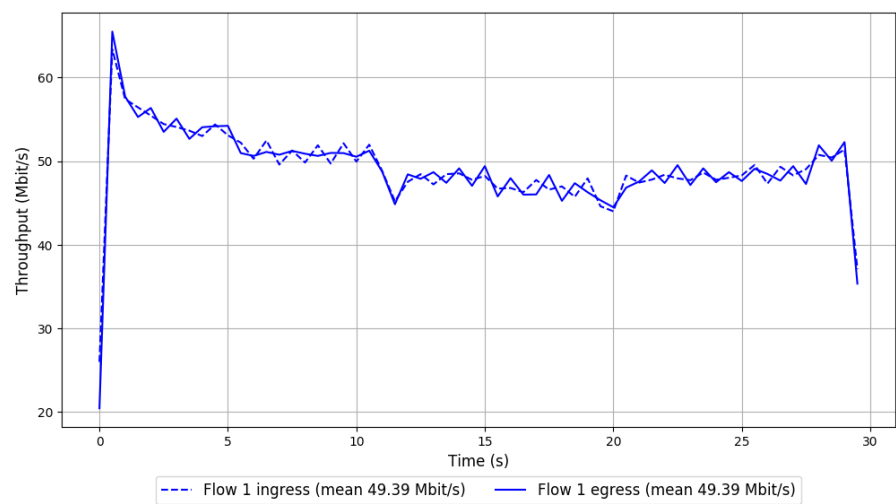


```
Run 1: Statistics of Indigo

Start at: 2018-01-16 10:23:33
End at: 2018-01-16 10:24:03
Local clock offset: -3.401 ms
Remote clock offset: -13.651 ms

# Below is generated by plot.py at 2018-01-16 17:29:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 35.195 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 35.195 ms
Loss rate: 0.15%
```

Run 1: Report of Indigo — Data Link

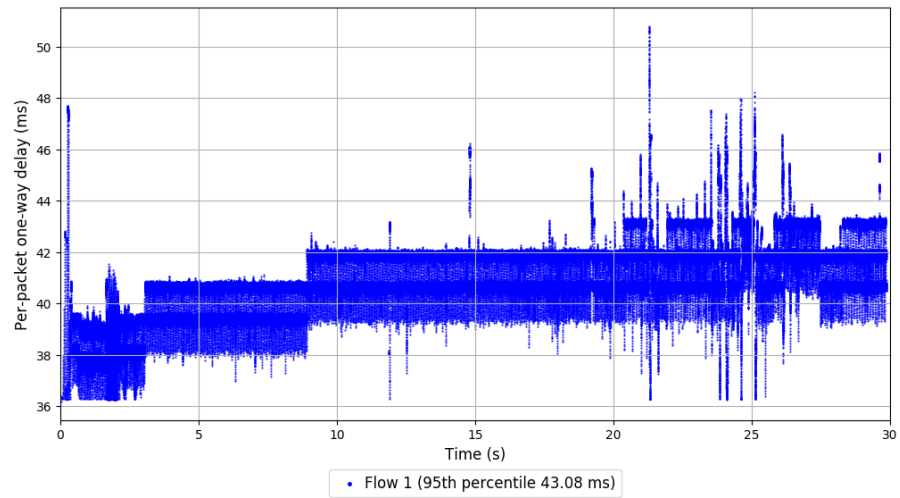
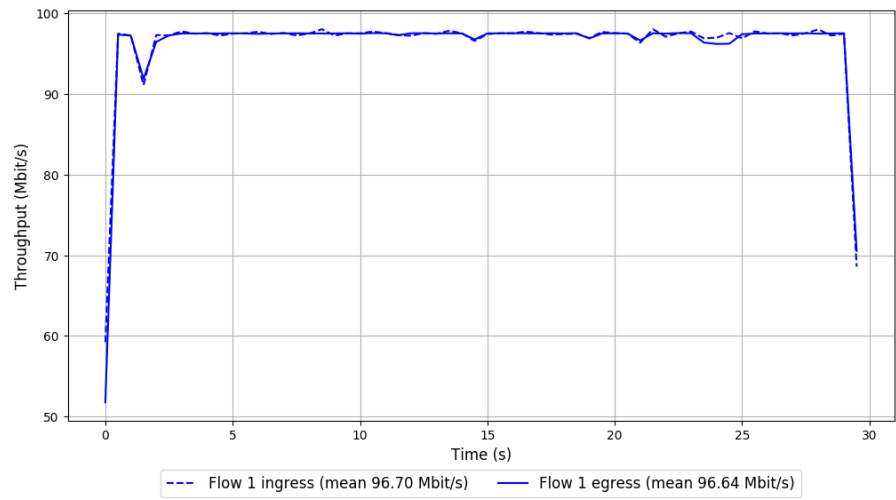


Run 2: Statistics of Indigo

Start at: 2018-01-16 10:45:12
End at: 2018-01-16 10:45:42
Local clock offset: -1.419 ms
Remote clock offset: -15.901 ms

Below is generated by plot.py at 2018-01-16 17:29:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: 43.080 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: 43.080 ms
Loss rate: 0.15%

Run 2: Report of Indigo — Data Link

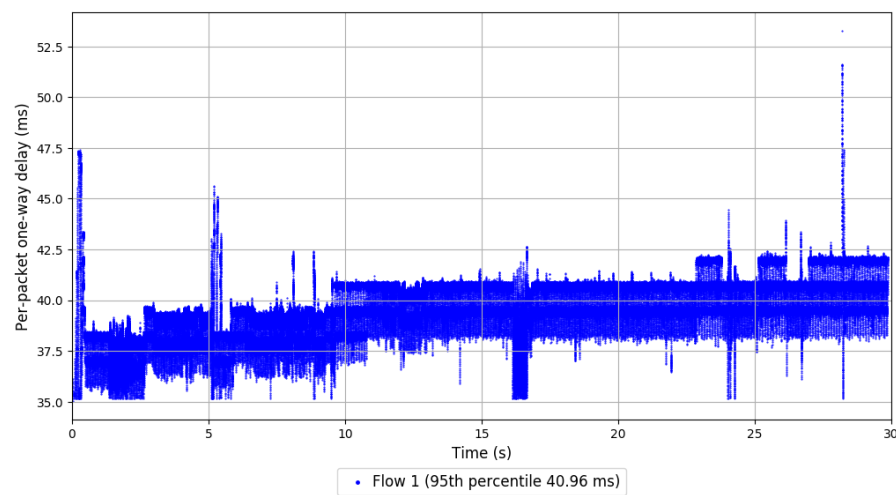
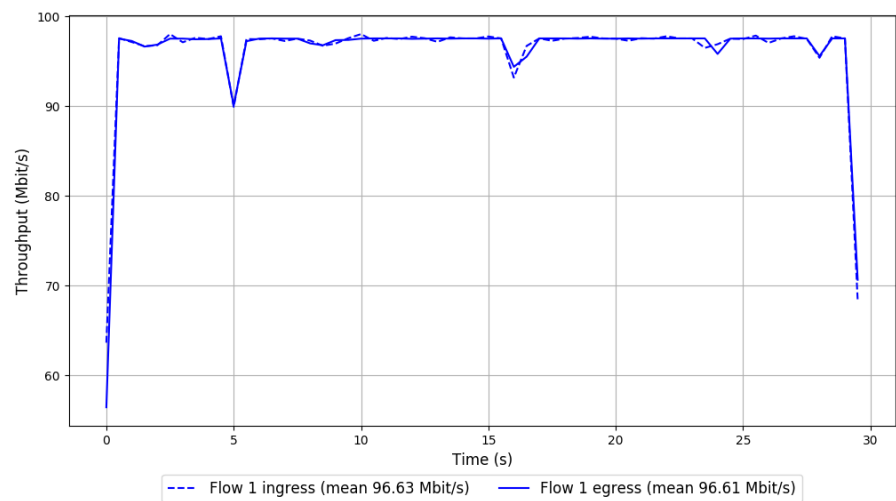


Run 3: Statistics of Indigo

Start at: 2018-01-16 11:06:25
End at: 2018-01-16 11:06:55
Local clock offset: -1.711 ms
Remote clock offset: -14.307 ms

Below is generated by plot.py at 2018-01-16 17:29:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 40.964 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 40.964 ms
Loss rate: 0.10%

Run 3: Report of Indigo — Data Link

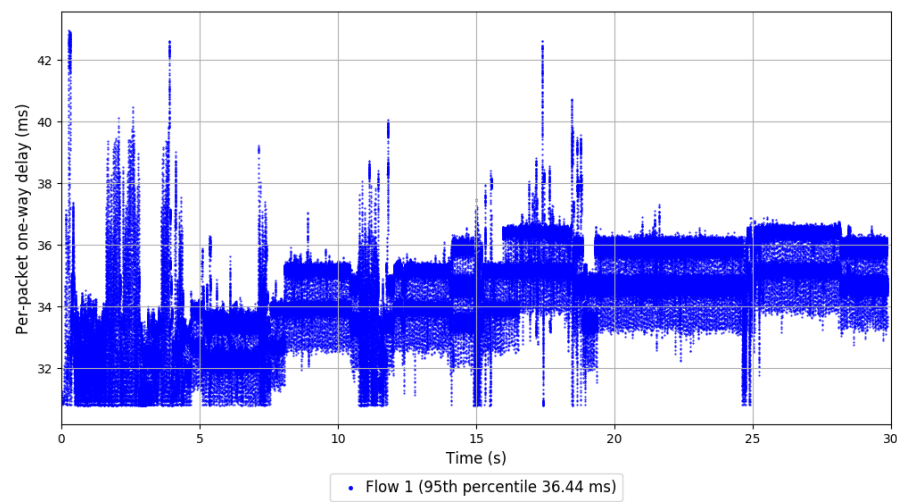
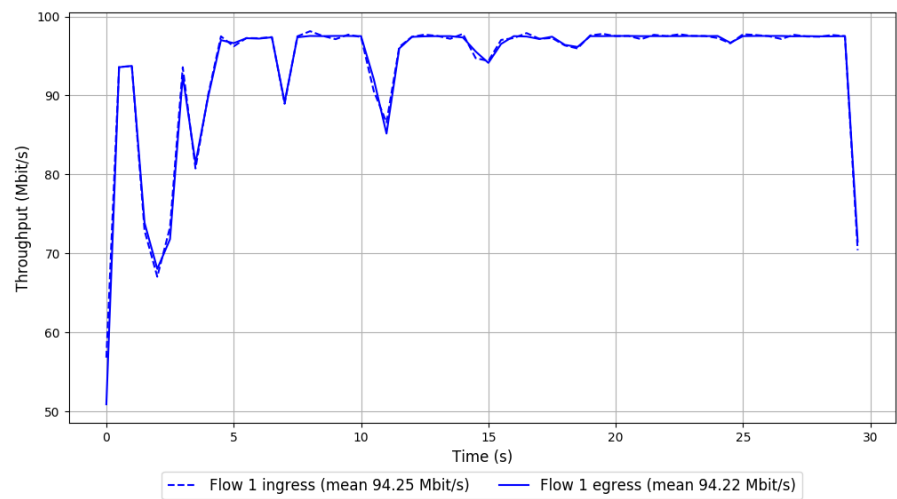


Run 4: Statistics of Indigo

Start at: 2018-01-16 11:27:52
End at: 2018-01-16 11:28:22
Local clock offset: -3.807 ms
Remote clock offset: -11.868 ms

Below is generated by plot.py at 2018-01-16 17:29:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 36.441 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 36.441 ms
Loss rate: 0.10%

Run 4: Report of Indigo — Data Link

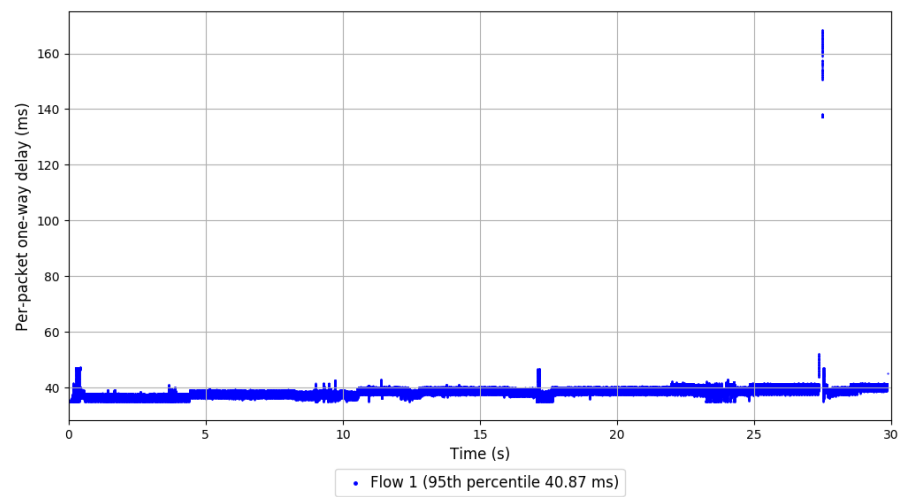
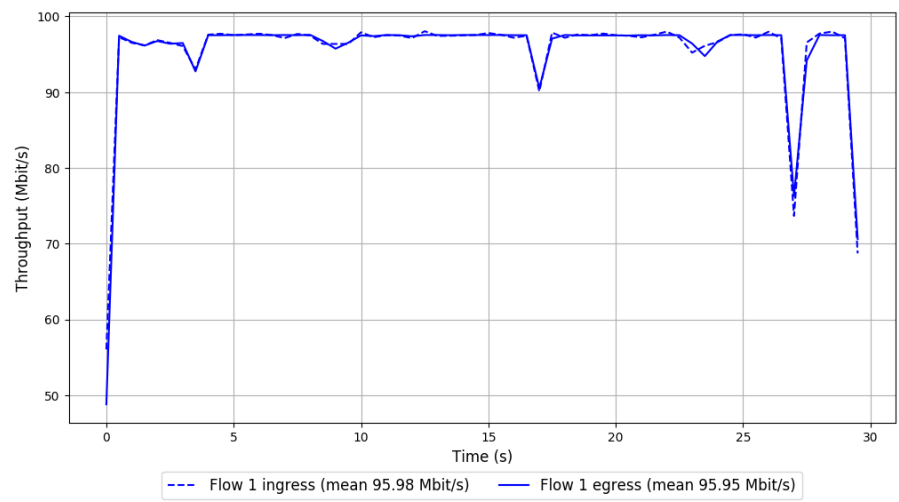


Run 5: Statistics of Indigo

Start at: 2018-01-16 11:49:43
End at: 2018-01-16 11:50:13
Local clock offset: 0.269 ms
Remote clock offset: -12.598 ms

Below is generated by plot.py at 2018-01-16 17:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 40.867 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 40.867 ms
Loss rate: 0.10%

Run 5: Report of Indigo — Data Link

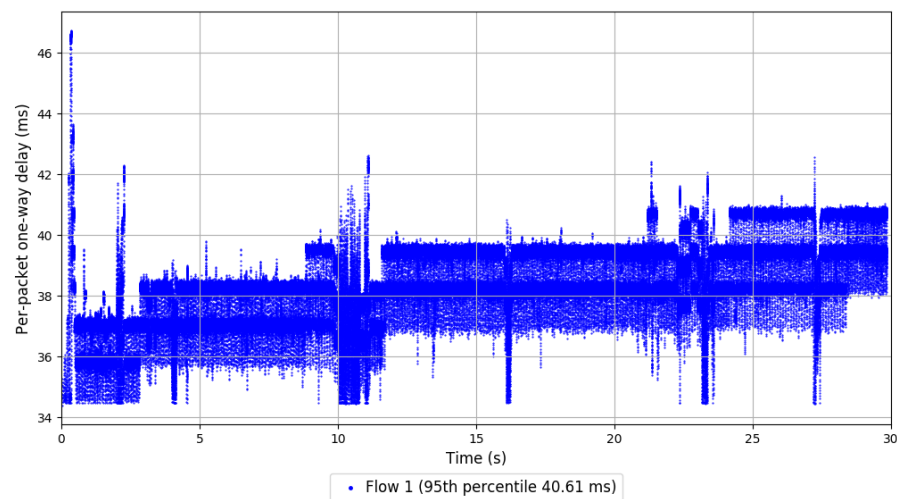
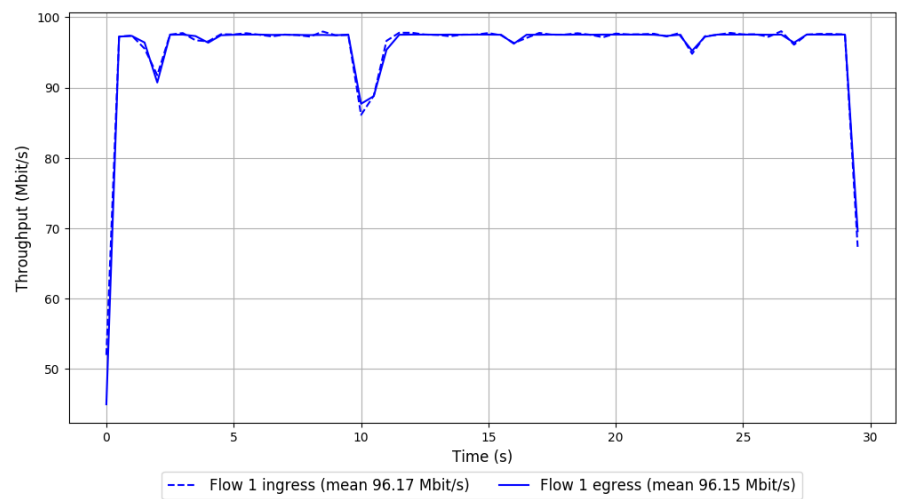


Run 6: Statistics of Indigo

Start at: 2018-01-16 12:10:54
End at: 2018-01-16 12:11:24
Local clock offset: 0.003 ms
Remote clock offset: -12.802 ms

Below is generated by plot.py at 2018-01-16 17:30:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 40.606 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 40.606 ms
Loss rate: 0.10%

Run 6: Report of Indigo — Data Link

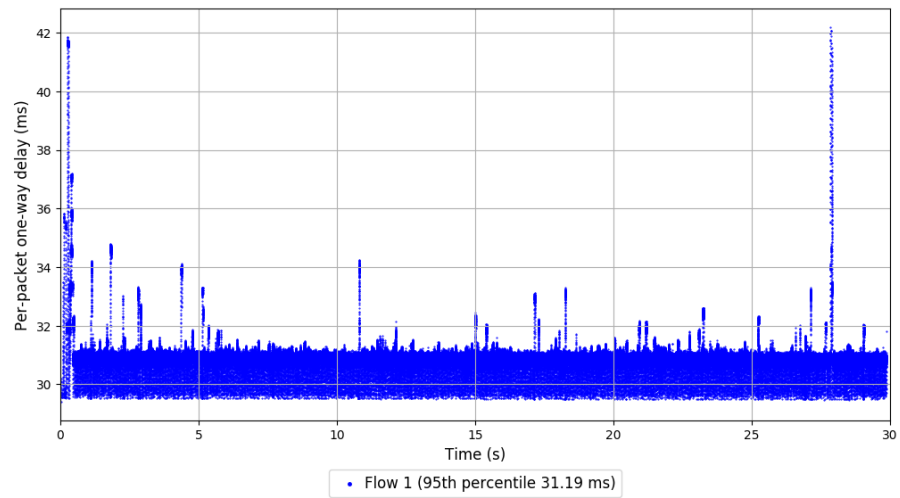
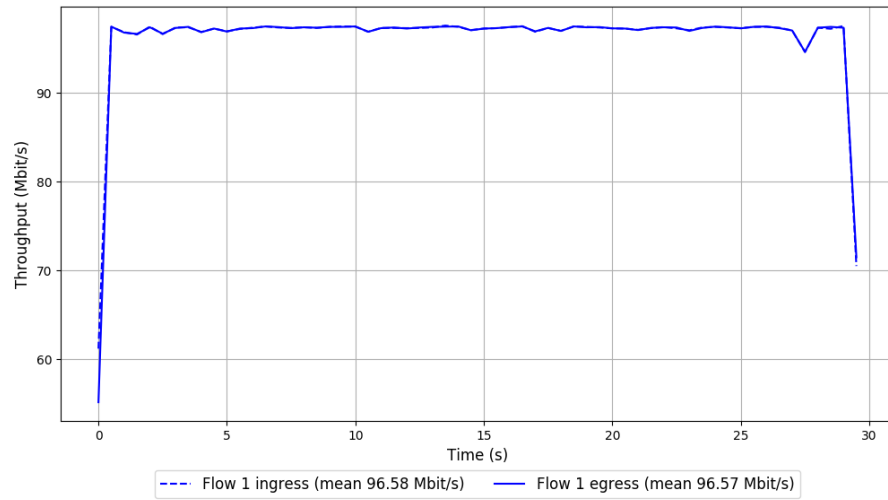


Run 7: Statistics of Indigo

Start at: 2018-01-16 12:31:58
End at: 2018-01-16 12:32:28
Local clock offset: -2.2 ms
Remote clock offset: -11.86 ms

Below is generated by plot.py at 2018-01-16 17:30:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 31.188 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 31.188 ms
Loss rate: 0.09%

Run 7: Report of Indigo — Data Link

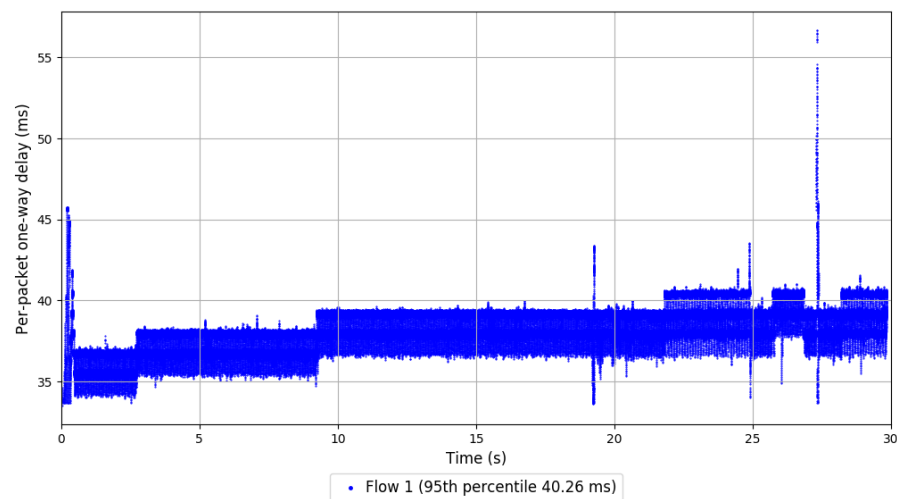
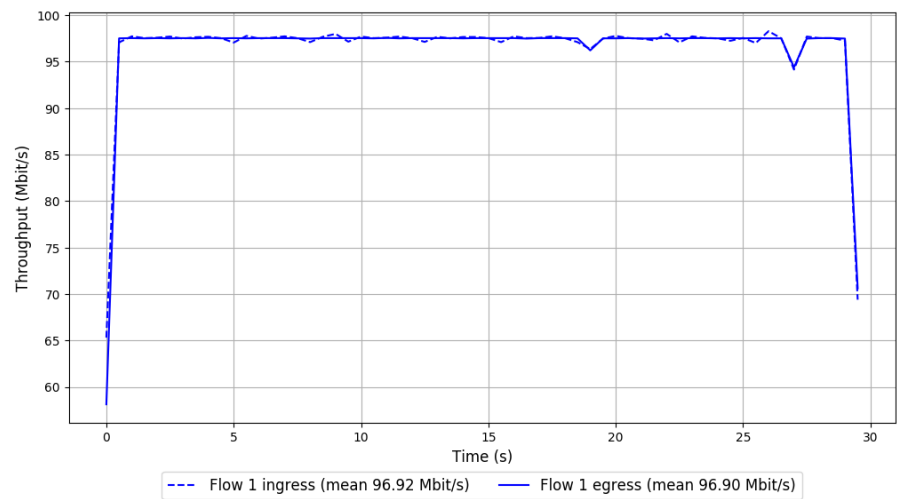


Run 8: Statistics of Indigo

Start at: 2018-01-16 12:52:58
End at: 2018-01-16 12:53:28
Local clock offset: 2.017 ms
Remote clock offset: -13.464 ms

Below is generated by plot.py at 2018-01-16 17:30:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 40.263 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 40.263 ms
Loss rate: 0.11%

Run 8: Report of Indigo — Data Link

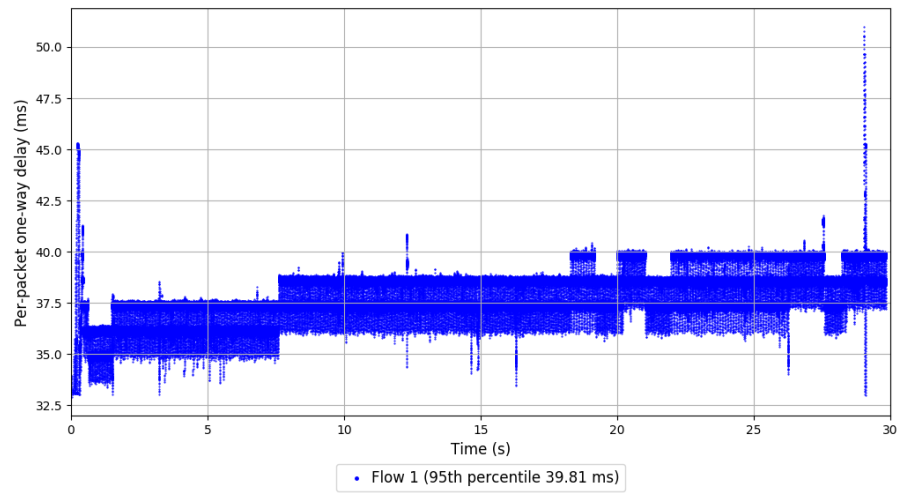
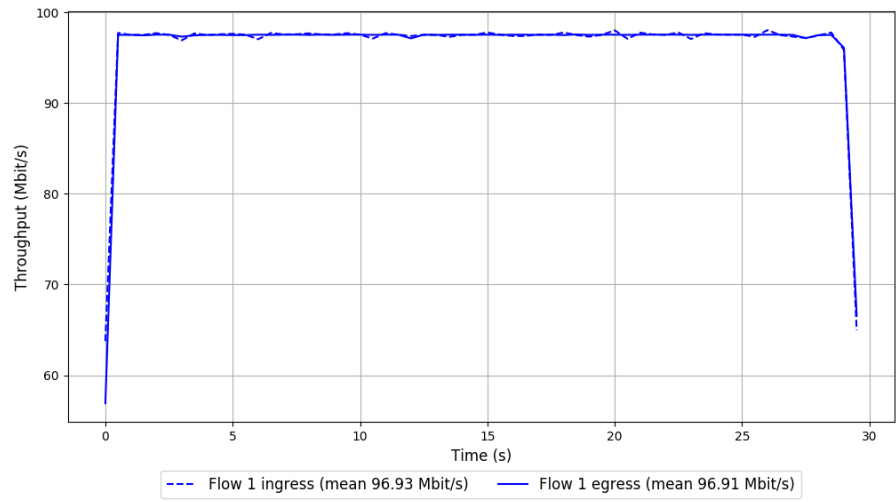


Run 9: Statistics of Indigo

Start at: 2018-01-16 13:14:02
End at: 2018-01-16 13:14:32
Local clock offset: 1.158 ms
Remote clock offset: -14.334 ms

Below is generated by plot.py at 2018-01-16 17:30:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 39.809 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 39.809 ms
Loss rate: 0.10%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-16 13:35:03

End at: 2018-01-16 13:35:33

Local clock offset: 0.6 ms

Remote clock offset: -15.555 ms

Below is generated by plot.py at 2018-01-16 17:30:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 37.589 ms

Loss rate: 0.10%

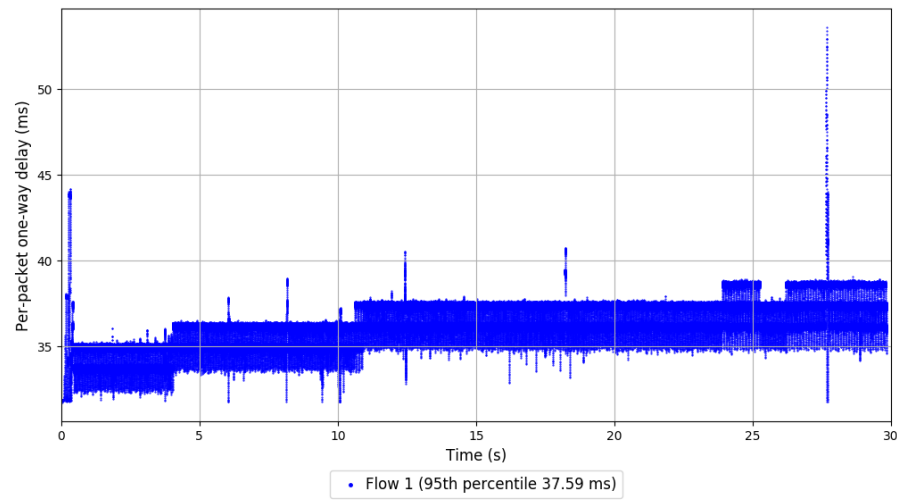
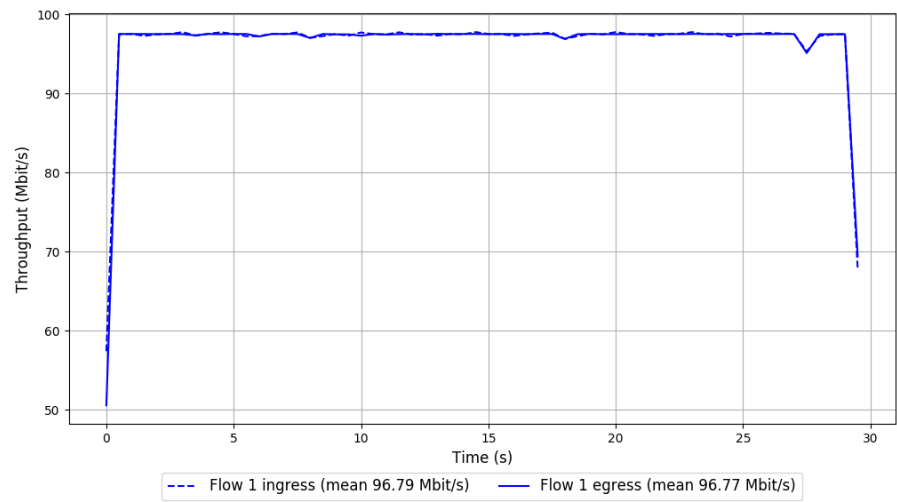
-- Flow 1:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 37.589 ms

Loss rate: 0.10%

Run 10: Report of Indigo — Data Link

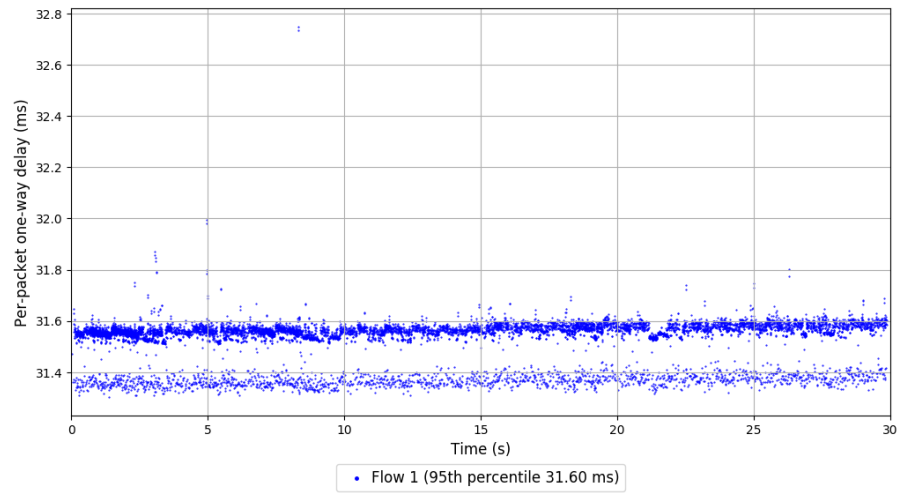
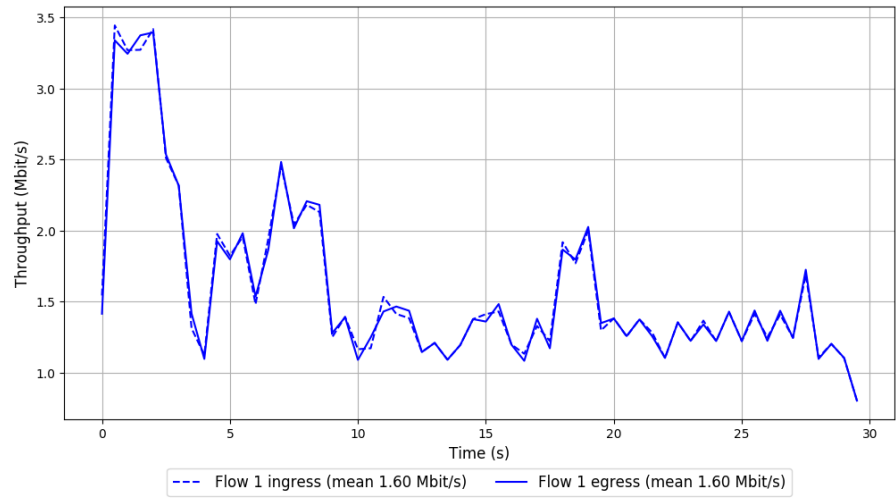


Run 1: Statistics of Vivace-latency

Start at: 2018-01-16 10:07:05
End at: 2018-01-16 10:07:35
Local clock offset: -2.967 ms
Remote clock offset: -12.571 ms

Below is generated by plot.py at 2018-01-16 17:30:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 31.597 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 31.597 ms
Loss rate: 0.05%

Run 1: Report of Vivace-latency — Data Link

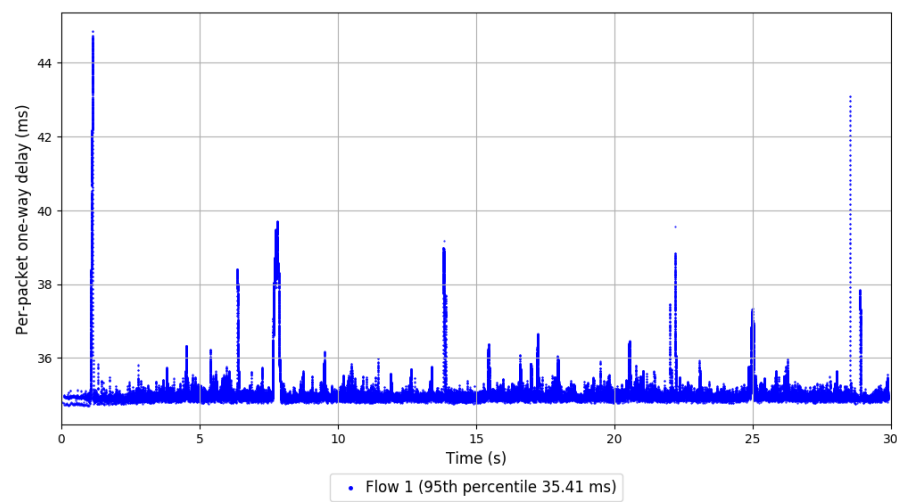
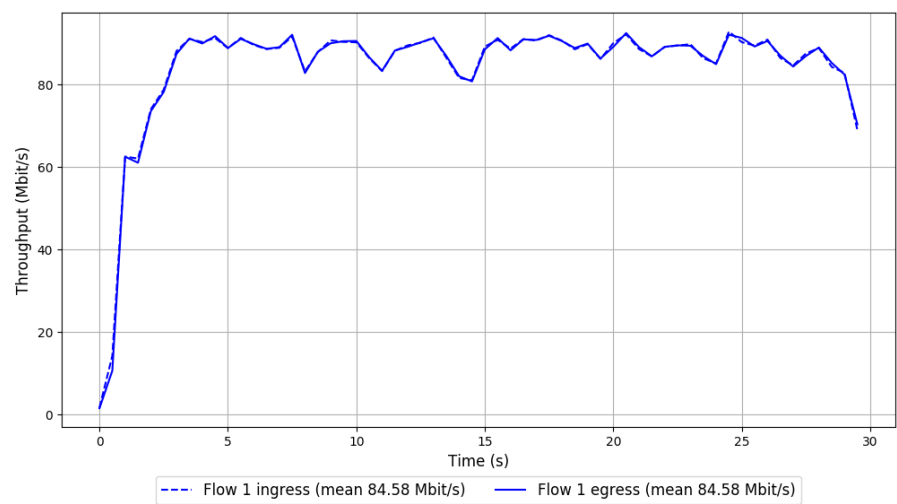


Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 10:30:49
End at: 2018-01-16 10:31:19
Local clock offset: -1.459 ms
Remote clock offset: -14.985 ms

Below is generated by plot.py at 2018-01-16 17:32:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 35.415 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 35.415 ms
Loss rate: 0.09%

Run 2: Report of Vivace-latency — Data Link

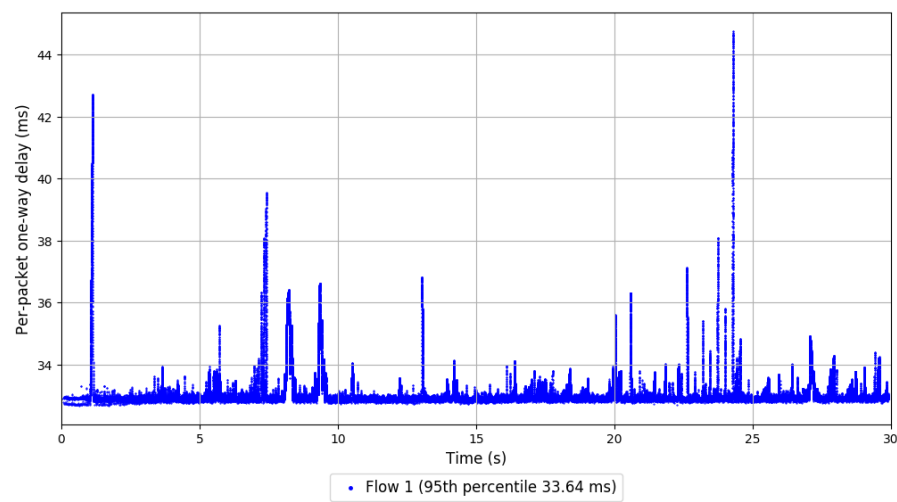
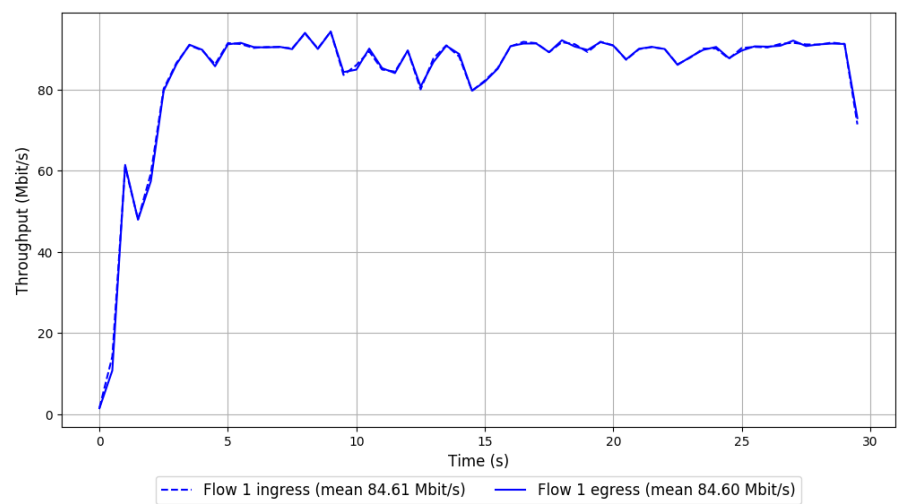


Run 3: Statistics of Vivace-latency

Start at: 2018-01-16 10:52:16
End at: 2018-01-16 10:52:46
Local clock offset: -2.77 ms
Remote clock offset: -13.656 ms

Below is generated by plot.py at 2018-01-16 17:32:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 33.639 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 33.639 ms
Loss rate: 0.09%

Run 3: Report of Vivace-latency — Data Link

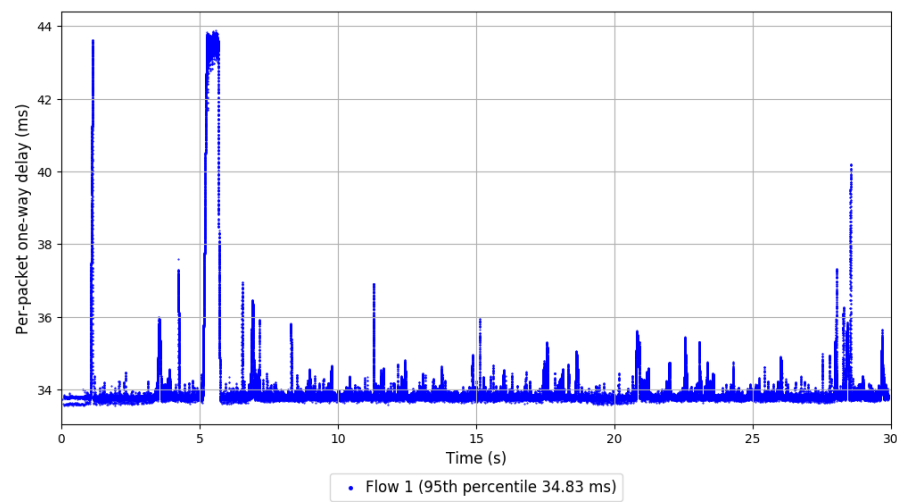
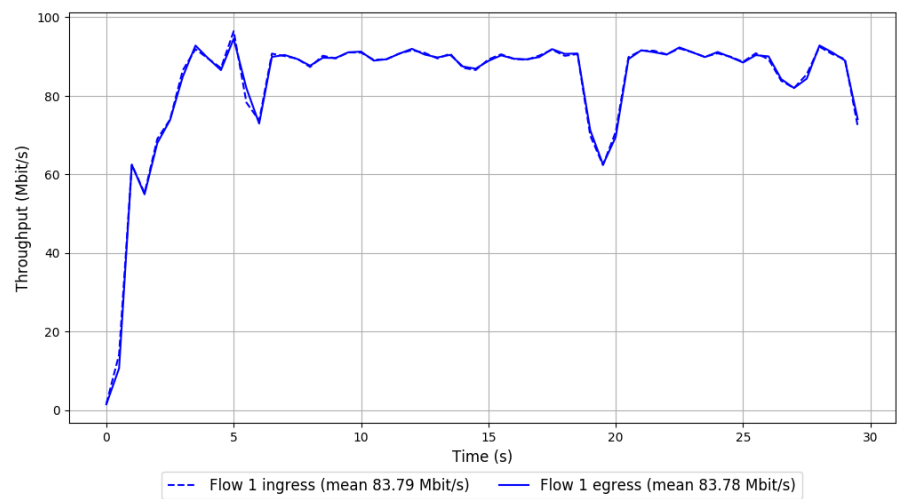


Run 4: Statistics of Vivace-latency

Start at: 2018-01-16 11:13:32
End at: 2018-01-16 11:14:02
Local clock offset: -1.198 ms
Remote clock offset: -12.165 ms

Below is generated by plot.py at 2018-01-16 17:32:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 34.828 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 34.828 ms
Loss rate: 0.09%

Run 4: Report of Vivace-latency — Data Link

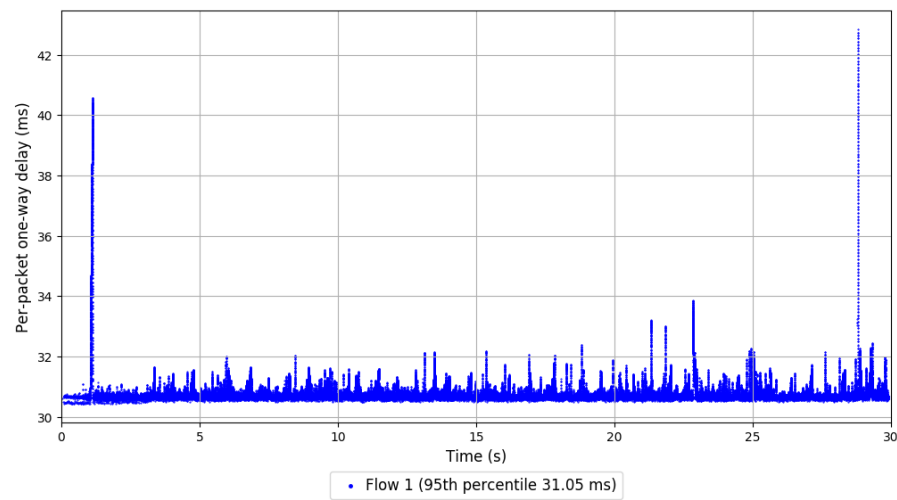
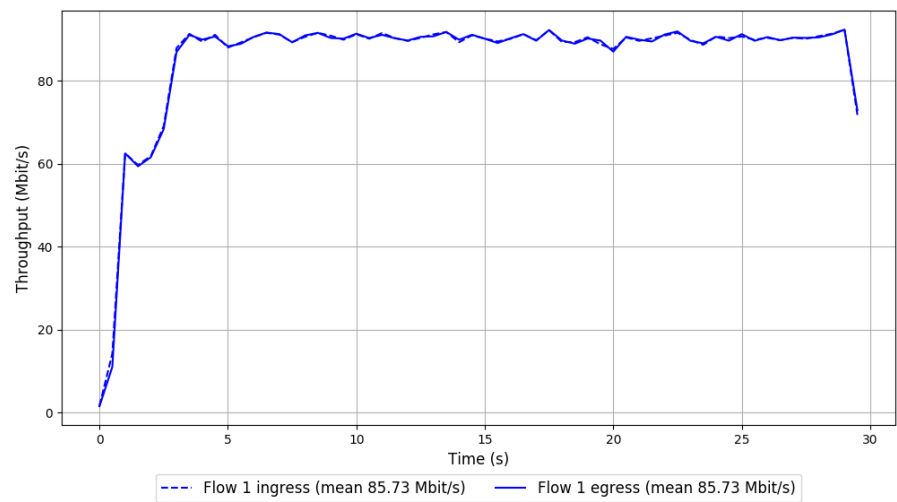


Run 5: Statistics of Vivace-latency

Start at: 2018-01-16 11:35:10
End at: 2018-01-16 11:35:40
Local clock offset: -3.588 ms
Remote clock offset: -11.471 ms

Below is generated by plot.py at 2018-01-16 17:32:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 31.055 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 31.055 ms
Loss rate: 0.09%

Run 5: Report of Vivace-latency — Data Link

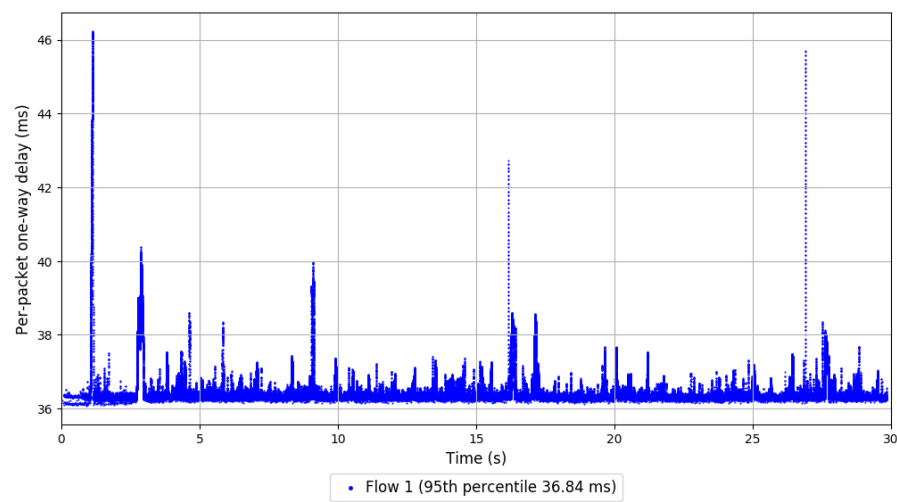
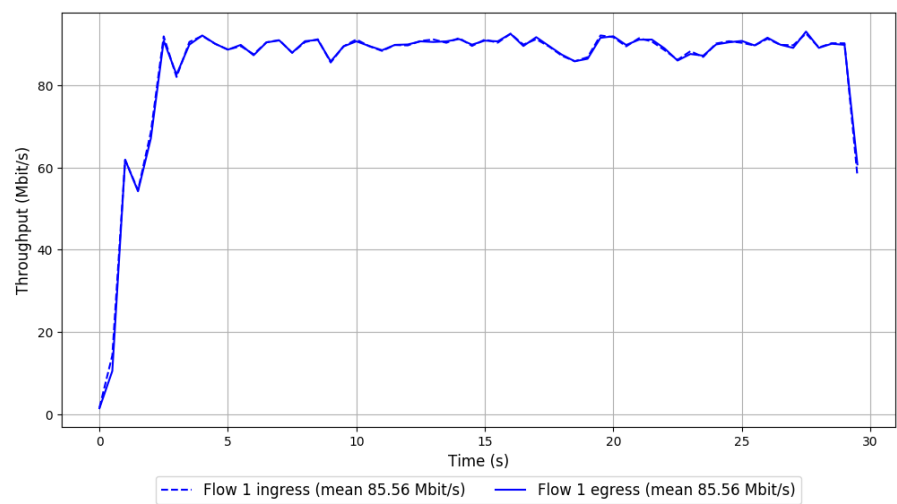


Run 6: Statistics of Vivace-latency

Start at: 2018-01-16 11:56:47
End at: 2018-01-16 11:57:17
Local clock offset: 0.889 ms
Remote clock offset: -13.515 ms

Below is generated by plot.py at 2018-01-16 17:32:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 36.835 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 36.835 ms
Loss rate: 0.08%

Run 6: Report of Vivace-latency — Data Link

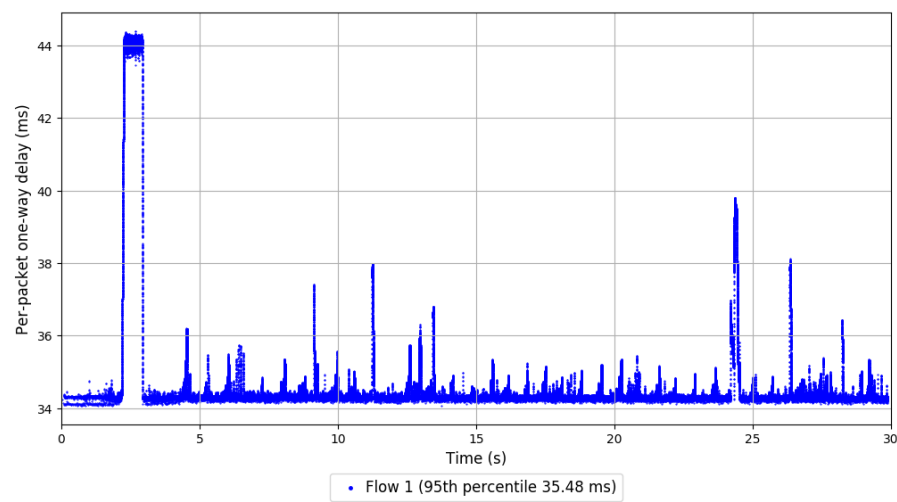
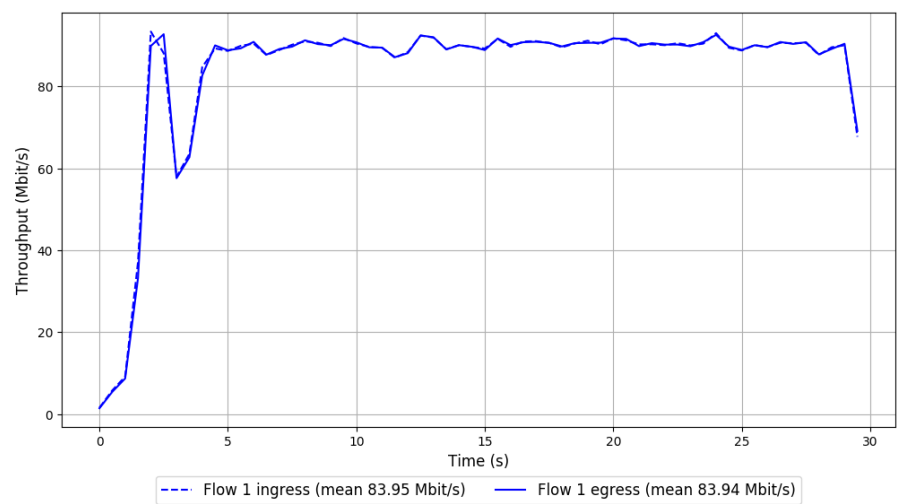


Run 7: Statistics of Vivace-latency

Start at: 2018-01-16 12:17:55
End at: 2018-01-16 12:18:25
Local clock offset: 1.002 ms
Remote clock offset: -11.974 ms

Below is generated by plot.py at 2018-01-16 17:32:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 35.484 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 35.484 ms
Loss rate: 0.09%

Run 7: Report of Vivace-latency — Data Link

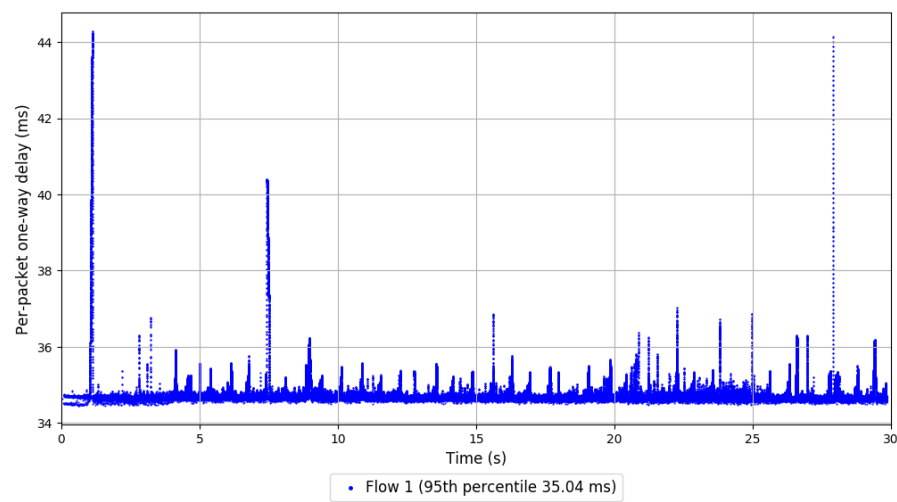
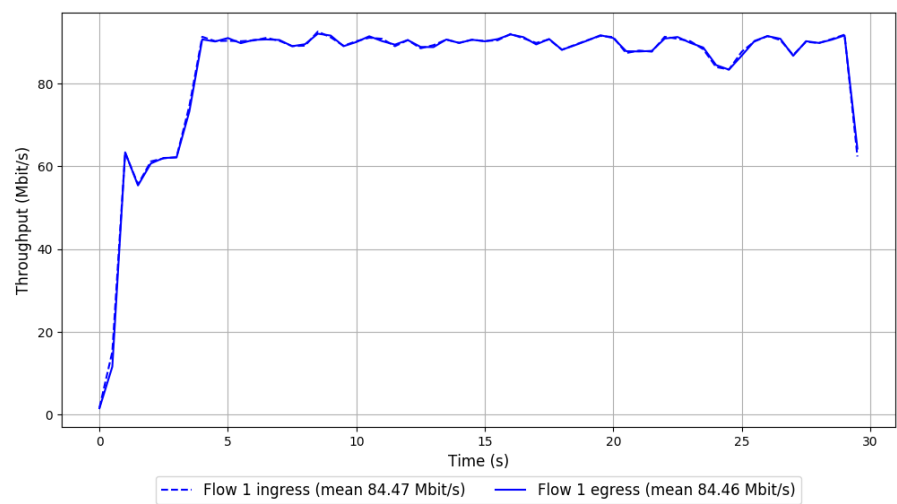


Run 8: Statistics of Vivace-latency

Start at: 2018-01-16 12:38:58
End at: 2018-01-16 12:39:28
Local clock offset: 1.542 ms
Remote clock offset: -13.912 ms

Below is generated by plot.py at 2018-01-16 17:33:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 35.044 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 35.044 ms
Loss rate: 0.09%

Run 8: Report of Vivace-latency — Data Link

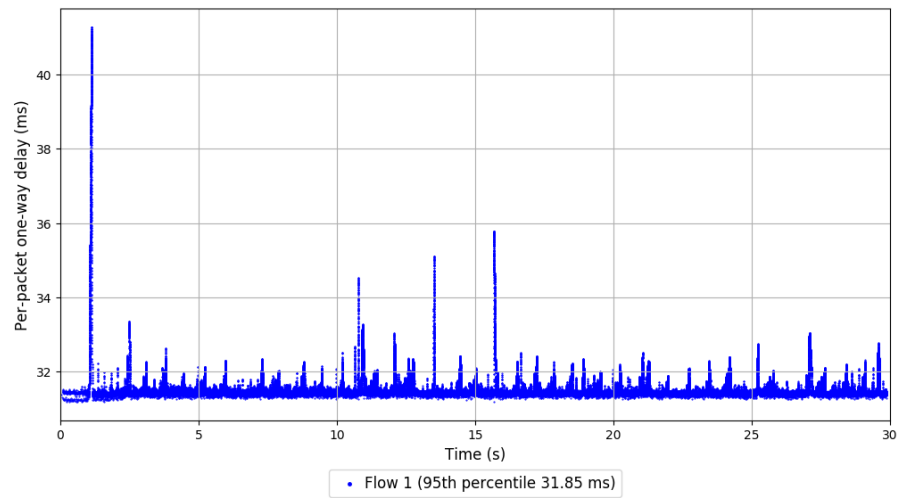
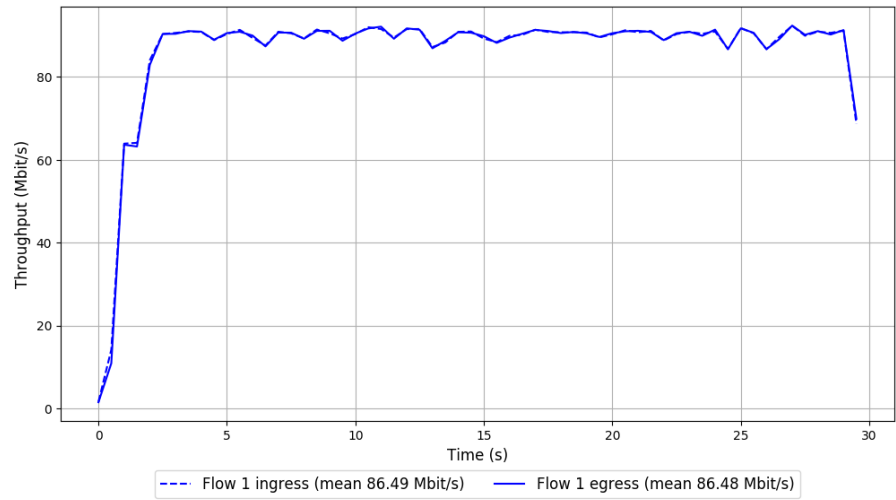


Run 9: Statistics of Vivace-latency

Start at: 2018-01-16 13:00:00
End at: 2018-01-16 13:00:30
Local clock offset: 0.213 ms
Remote clock offset: -13.134 ms

Below is generated by plot.py at 2018-01-16 17:33:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 31.848 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 31.848 ms
Loss rate: 0.09%

Run 9: Report of Vivace-latency — Data Link

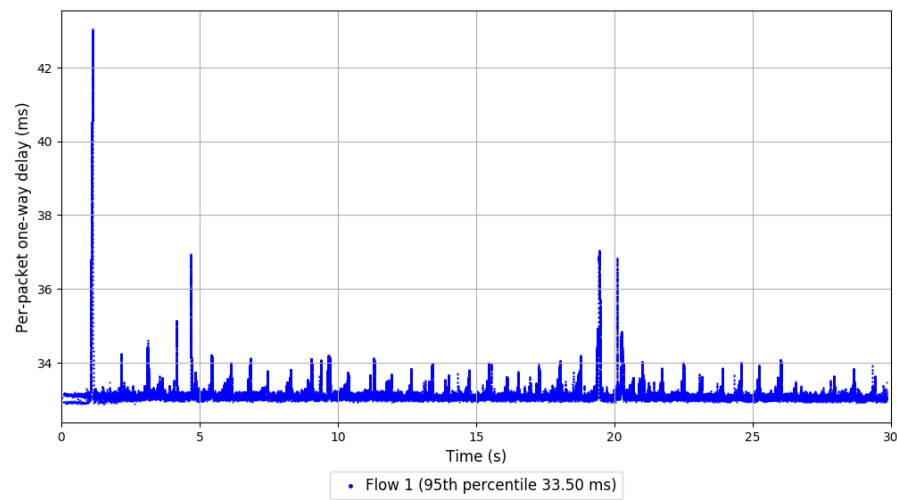
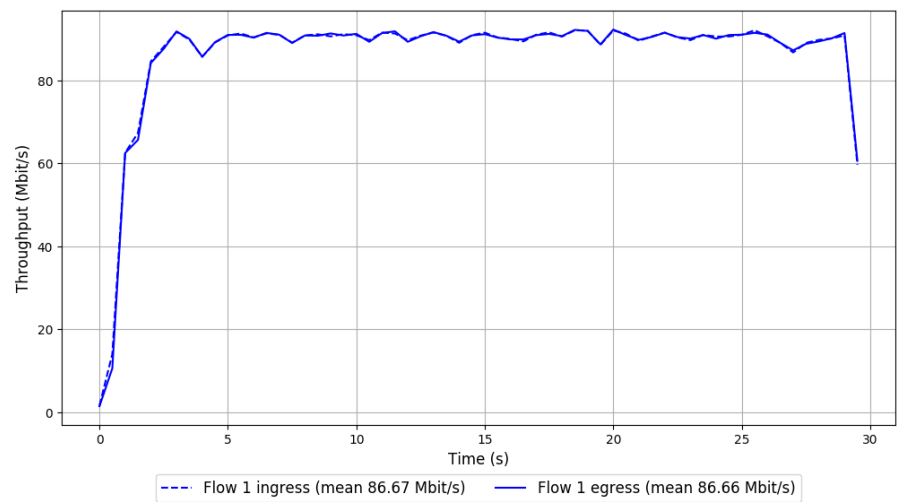


Run 10: Statistics of Vivace-latency

Start at: 2018-01-16 13:21:06
End at: 2018-01-16 13:21:36
Local clock offset: 1.667 ms
Remote clock offset: -14.443 ms

Below is generated by plot.py at 2018-01-16 17:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 33.500 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 33.500 ms
Loss rate: 0.09%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 10:22:15

End at: 2018-01-16 10:22:45

Local clock offset: -4.438 ms

Remote clock offset: -13.332 ms

Below is generated by plot.py at 2018-01-16 17:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 30.704 ms

Loss rate: 0.15%

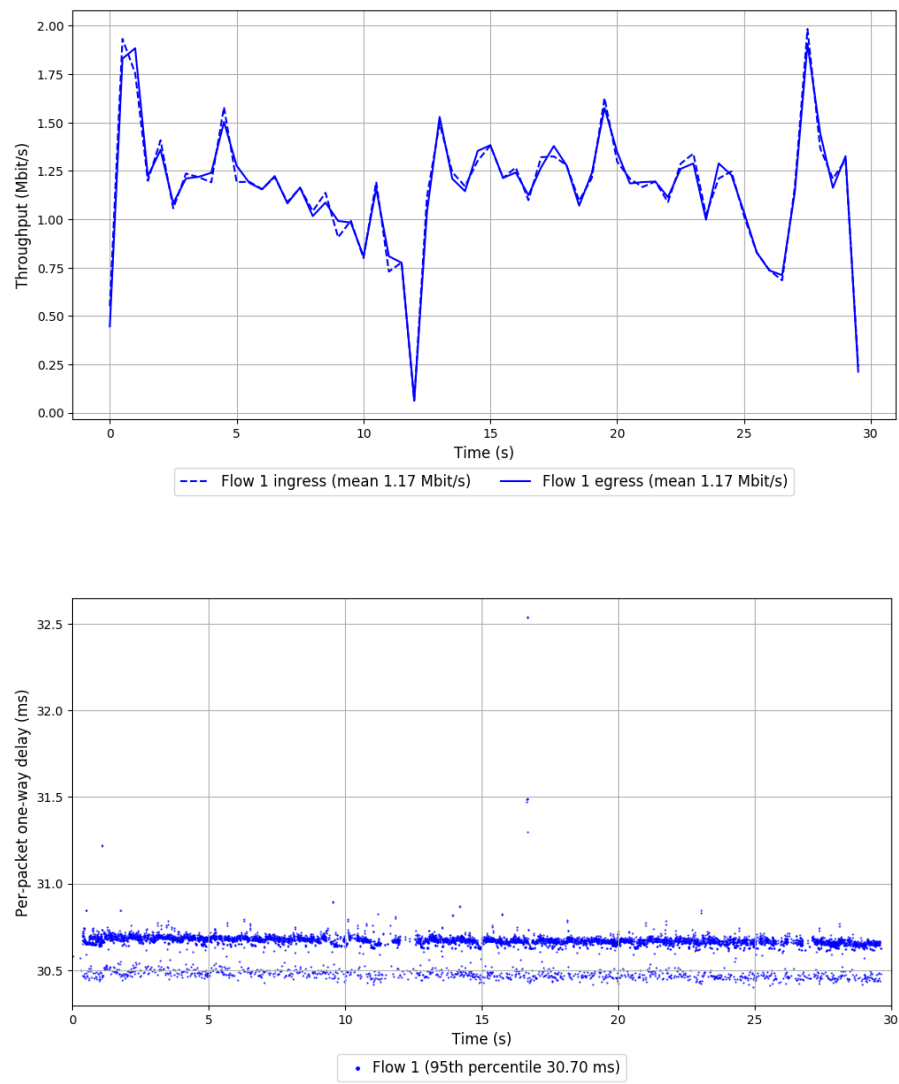
-- Flow 1:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 30.704 ms

Loss rate: 0.15%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 10:43:57

End at: 2018-01-16 10:44:27

Local clock offset: -1.742 ms

Remote clock offset: -12.748 ms

Below is generated by plot.py at 2018-01-16 17:34:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.10 Mbit/s

95th percentile per-packet one-way delay: 42.849 ms

Loss rate: 0.12%

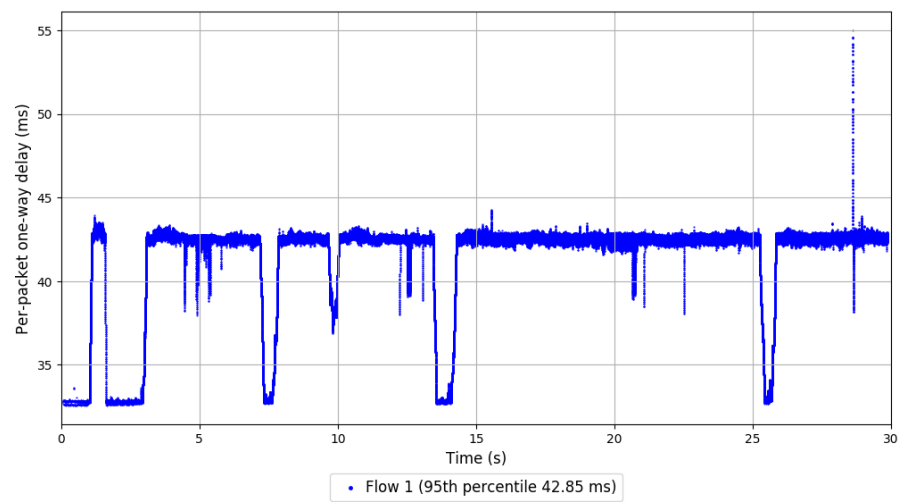
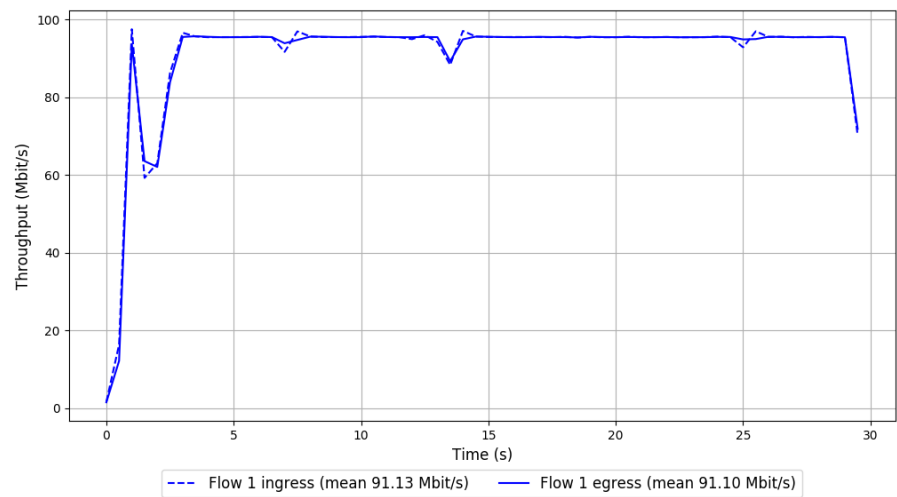
-- Flow 1:

Average throughput: 91.10 Mbit/s

95th percentile per-packet one-way delay: 42.849 ms

Loss rate: 0.12%

Run 2: Report of Vivace-loss — Data Link

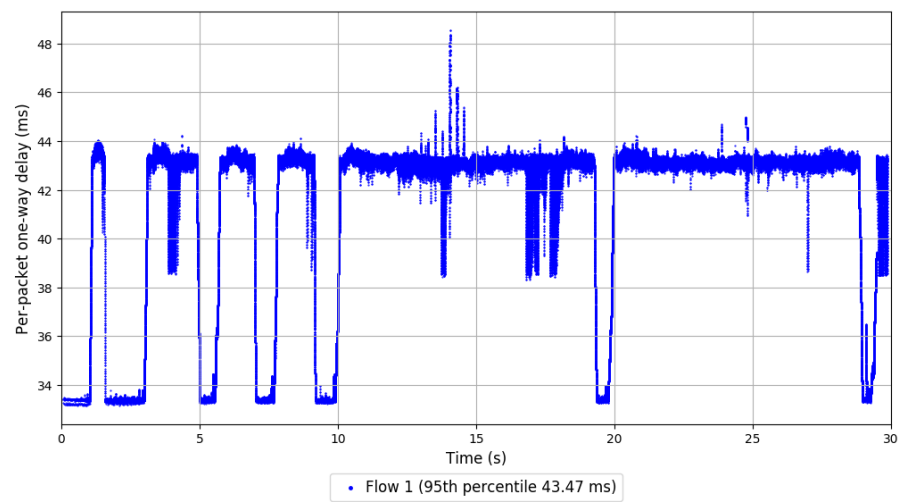
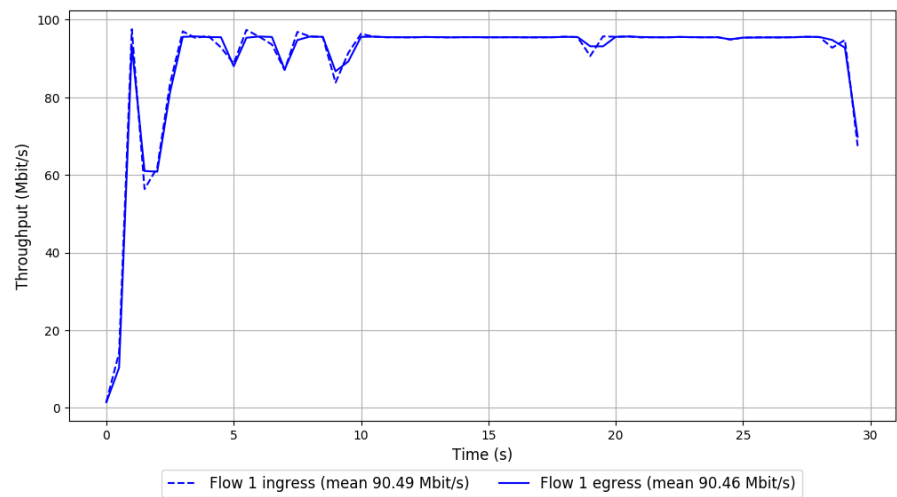


Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 11:05:11
End at: 2018-01-16 11:05:41
Local clock offset: -2.11 ms
Remote clock offset: -12.96 ms

Below is generated by plot.py at 2018-01-16 17:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 43.470 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 43.470 ms
Loss rate: 0.11%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-16 11:26:34

End at: 2018-01-16 11:27:04

Local clock offset: -2.723 ms

Remote clock offset: -13.675 ms

Below is generated by plot.py at 2018-01-16 17:35:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 43.754 ms

Loss rate: 0.12%

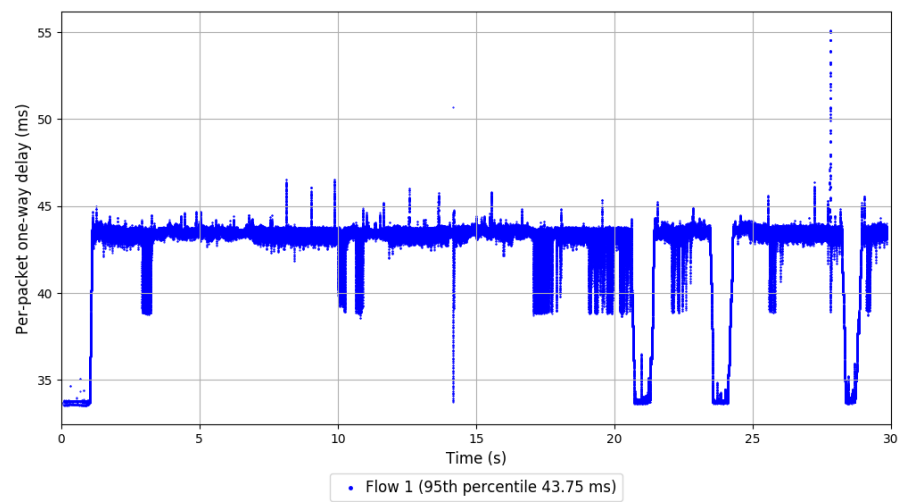
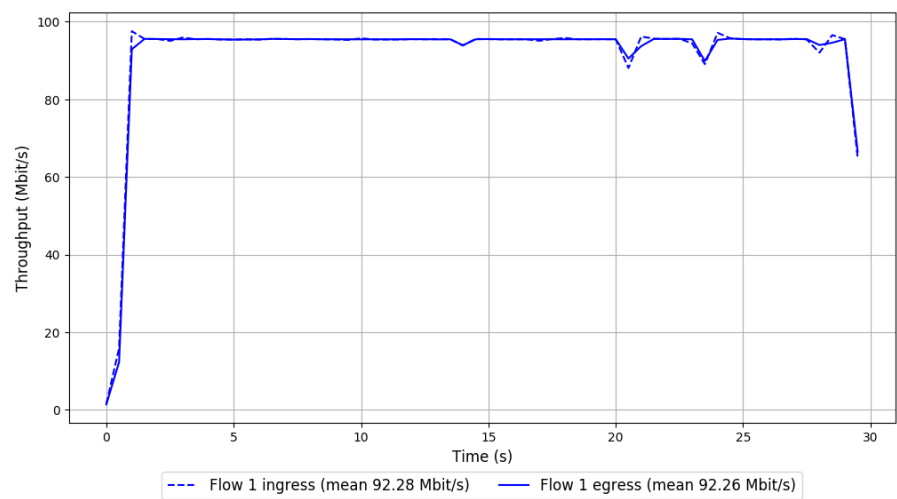
-- Flow 1:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 43.754 ms

Loss rate: 0.12%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-16 11:48:27

End at: 2018-01-16 11:48:57

Local clock offset: -1.537 ms

Remote clock offset: -11.703 ms

Below is generated by plot.py at 2018-01-16 17:35:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.03 Mbit/s

95th percentile per-packet one-way delay: 42.077 ms

Loss rate: 1.25%

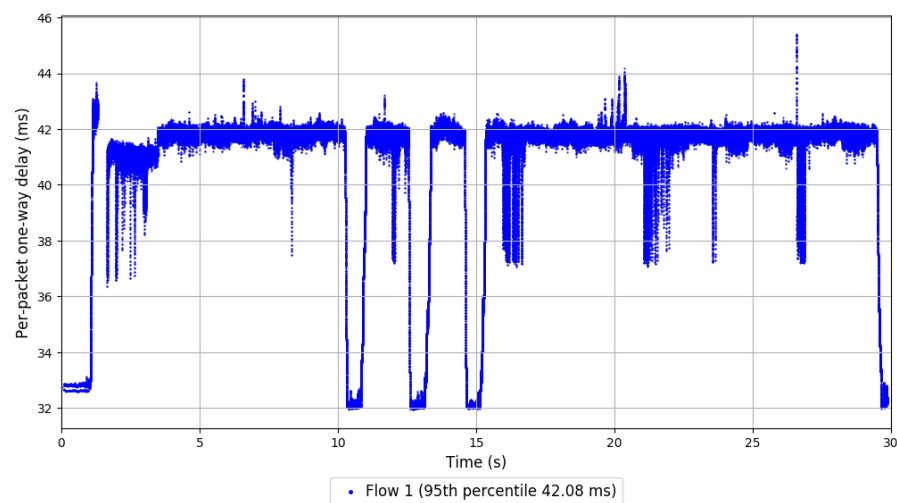
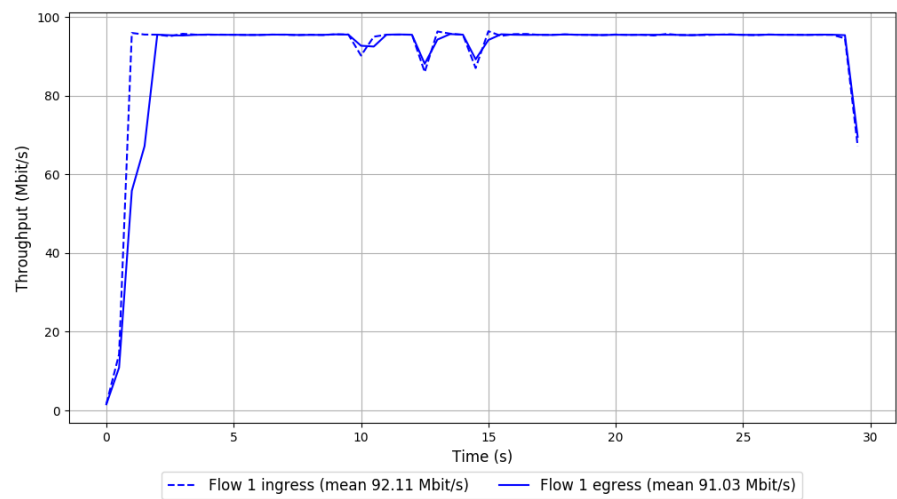
-- Flow 1:

Average throughput: 91.03 Mbit/s

95th percentile per-packet one-way delay: 42.077 ms

Loss rate: 1.25%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-16 12:09:38

End at: 2018-01-16 12:10:08

Local clock offset: -0.69 ms

Remote clock offset: -10.516 ms

Below is generated by plot.py at 2018-01-16 17:35:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 41.664 ms

Loss rate: 0.12%

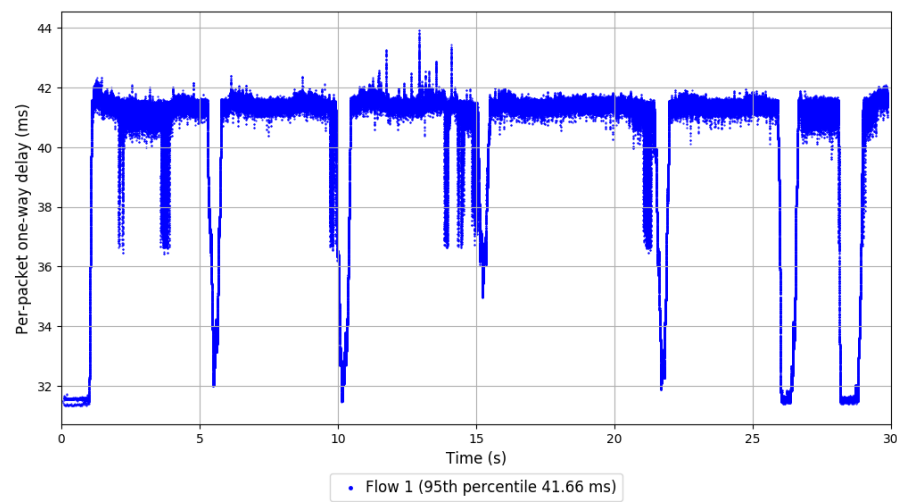
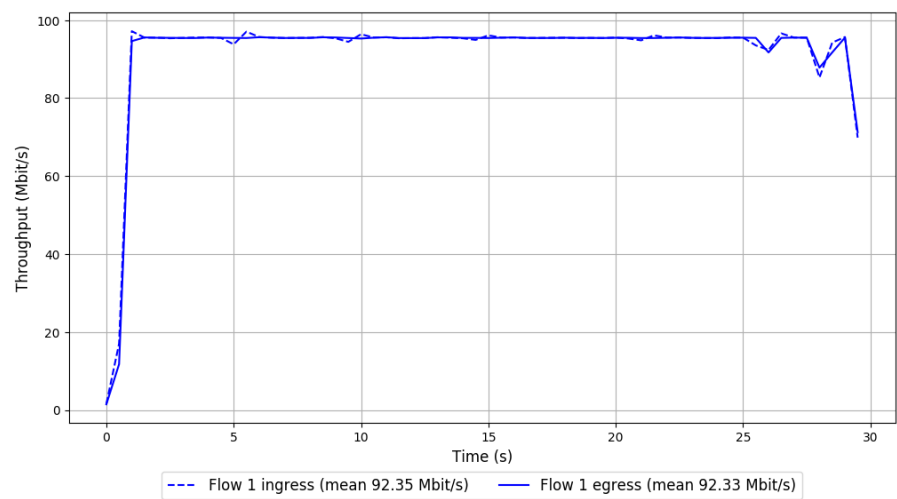
-- Flow 1:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 41.664 ms

Loss rate: 0.12%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-16 12:30:44

End at: 2018-01-16 12:31:14

Local clock offset: -0.62 ms

Remote clock offset: -12.702 ms

Below is generated by plot.py at 2018-01-16 17:35:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.17 Mbit/s

95th percentile per-packet one-way delay: 42.188 ms

Loss rate: 0.12%

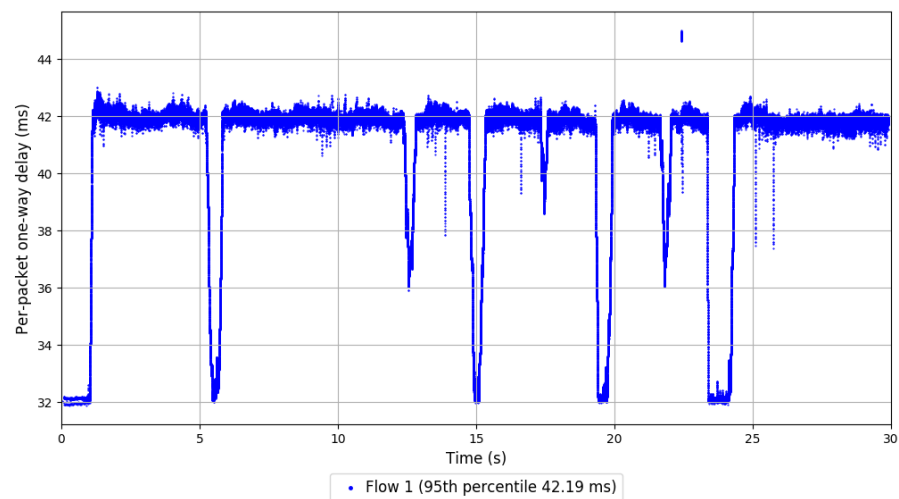
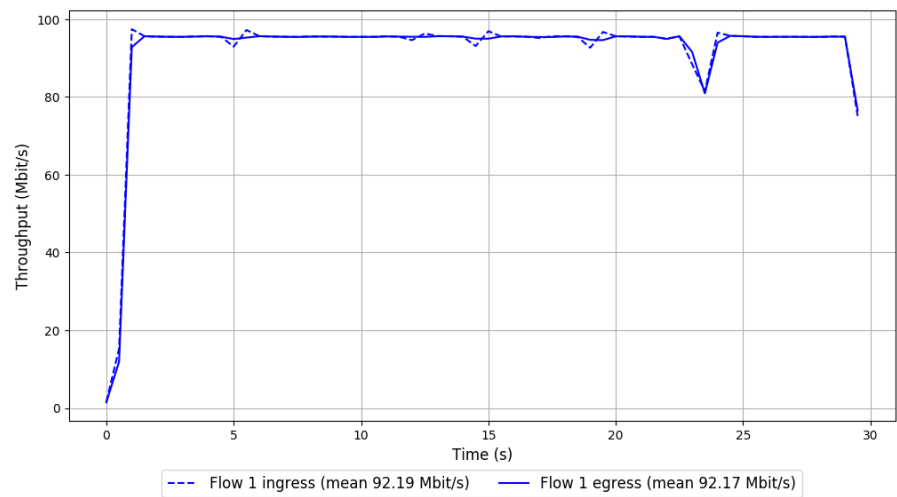
-- Flow 1:

Average throughput: 92.17 Mbit/s

95th percentile per-packet one-way delay: 42.188 ms

Loss rate: 0.12%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-16 12:51:40

End at: 2018-01-16 12:52:10

Local clock offset: -1.81 ms

Remote clock offset: -14.837 ms

Below is generated by plot.py at 2018-01-16 17:35:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.72 Mbit/s

95th percentile per-packet one-way delay: 41.276 ms

Loss rate: 0.12%

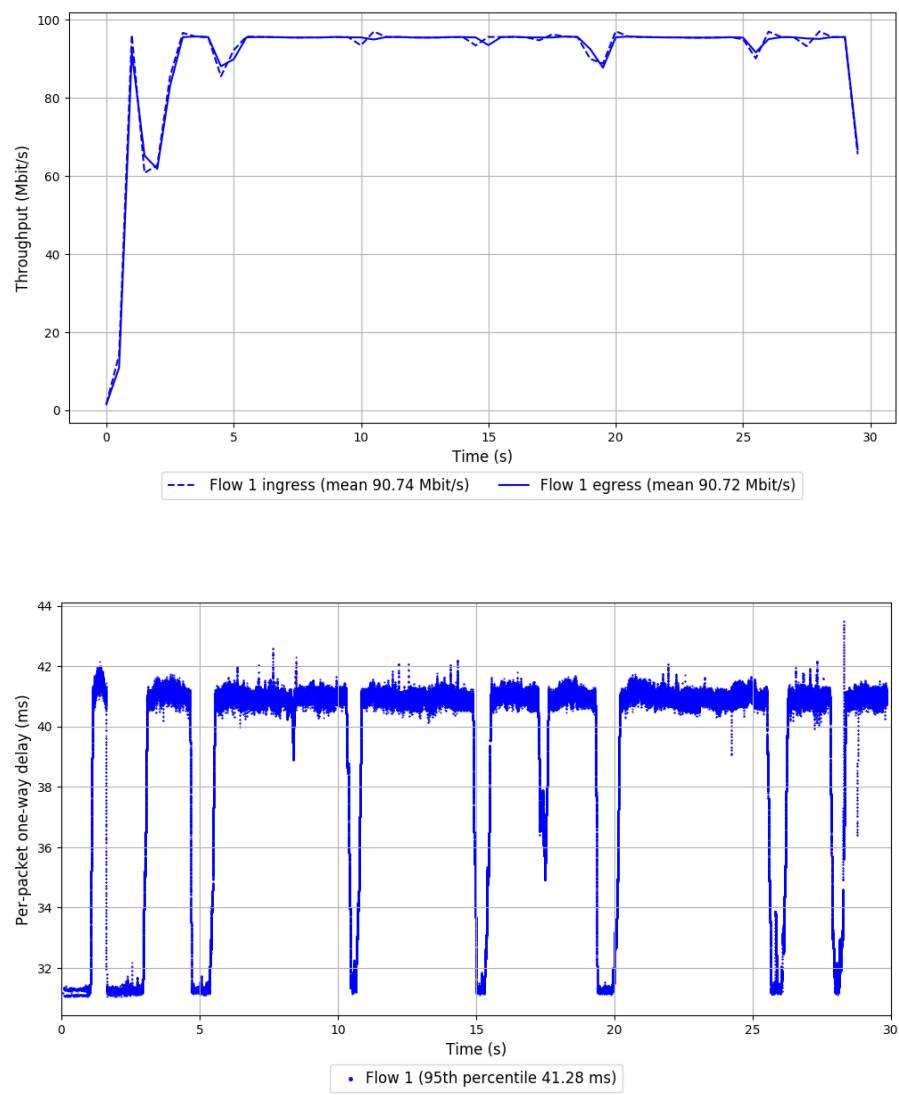
-- Flow 1:

Average throughput: 90.72 Mbit/s

95th percentile per-packet one-way delay: 41.276 ms

Loss rate: 0.12%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-16 13:12:49

End at: 2018-01-16 13:13:19

Local clock offset: 2.145 ms

Remote clock offset: -13.837 ms

Below is generated by plot.py at 2018-01-16 17:37:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 43.757 ms

Loss rate: 0.12%

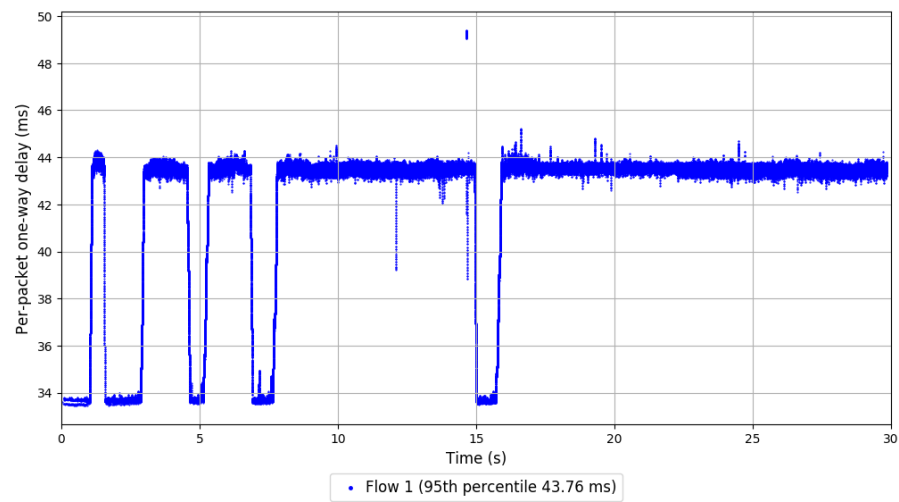
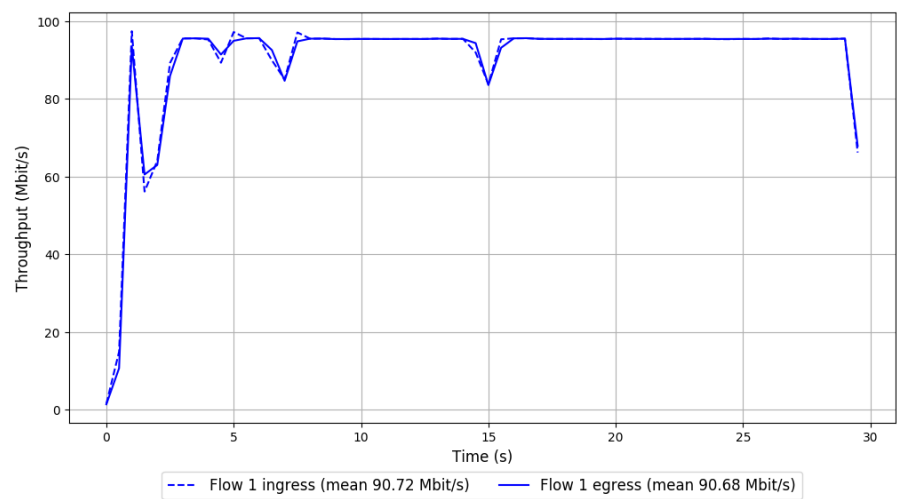
-- Flow 1:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 43.757 ms

Loss rate: 0.12%

Run 9: Report of Vivace-loss — Data Link

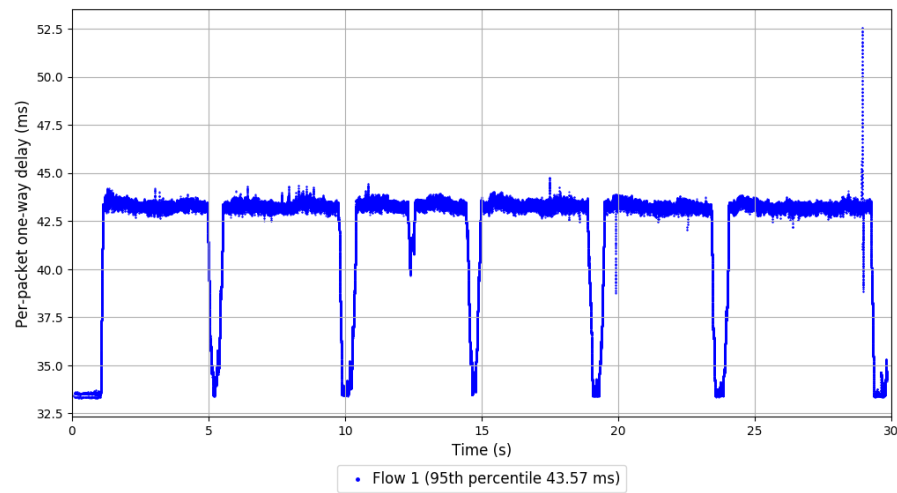
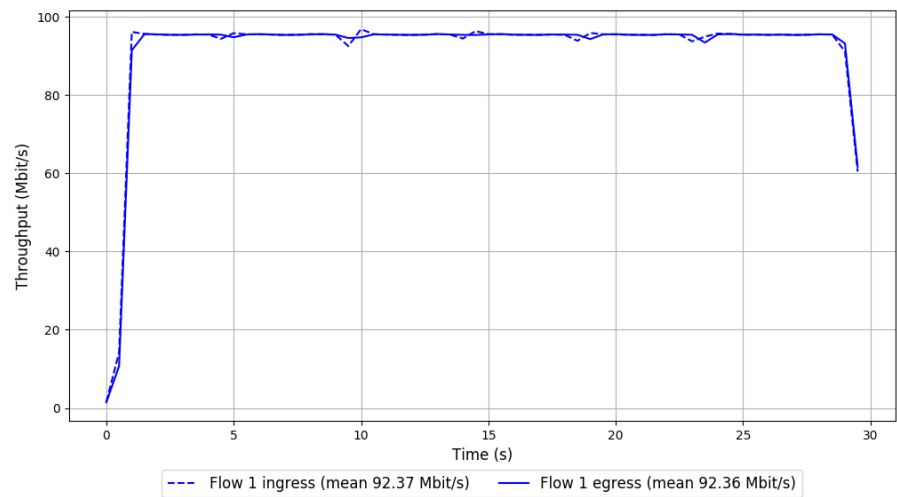


Run 10: Statistics of Vivace-loss

Start at: 2018-01-16 13:33:50
End at: 2018-01-16 13:34:20
Local clock offset: 3.198 ms
Remote clock offset: -14.521 ms

Below is generated by plot.py at 2018-01-16 17:37:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 43.574 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 43.574 ms
Loss rate: 0.09%

Run 10: Report of Vivace-loss — Data Link

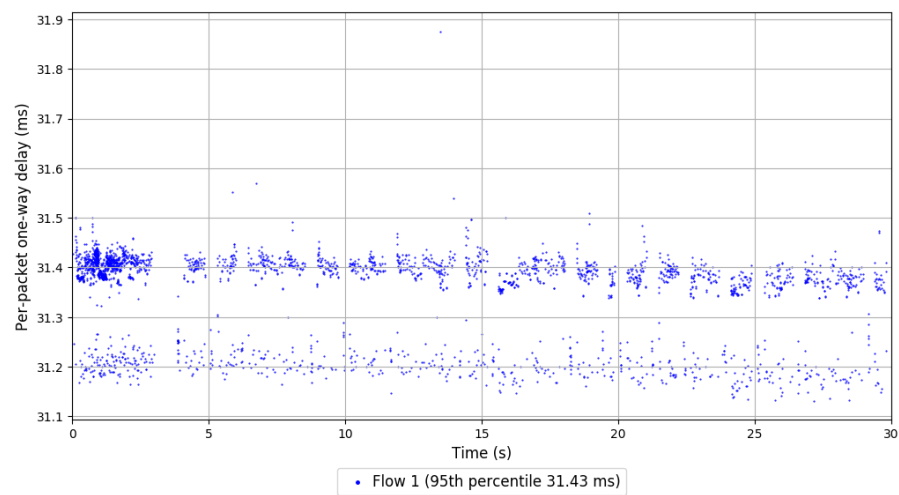
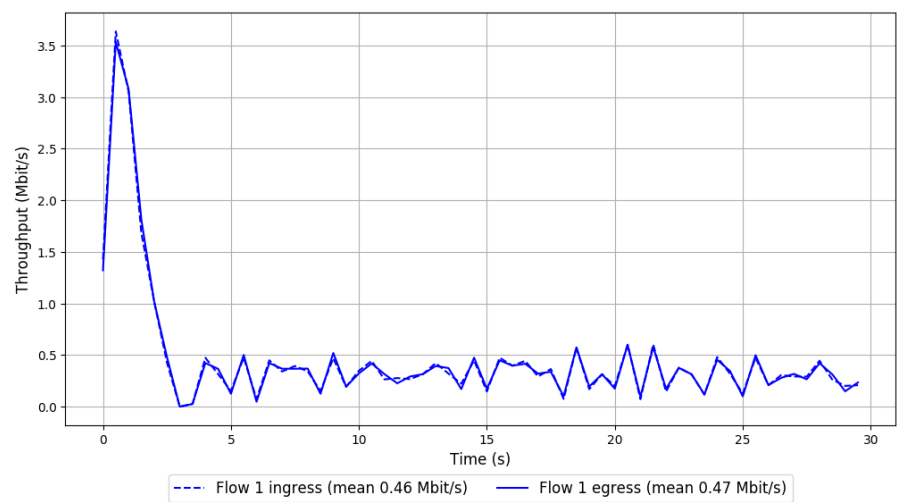


Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 10:19:01
End at: 2018-01-16 10:19:31
Local clock offset: -3.678 ms
Remote clock offset: -13.014 ms

Below is generated by plot.py at 2018-01-16 17:37:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 31.429 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 31.429 ms
Loss rate: 0.09%

Run 1: Report of Vivace-LTE — Data Link

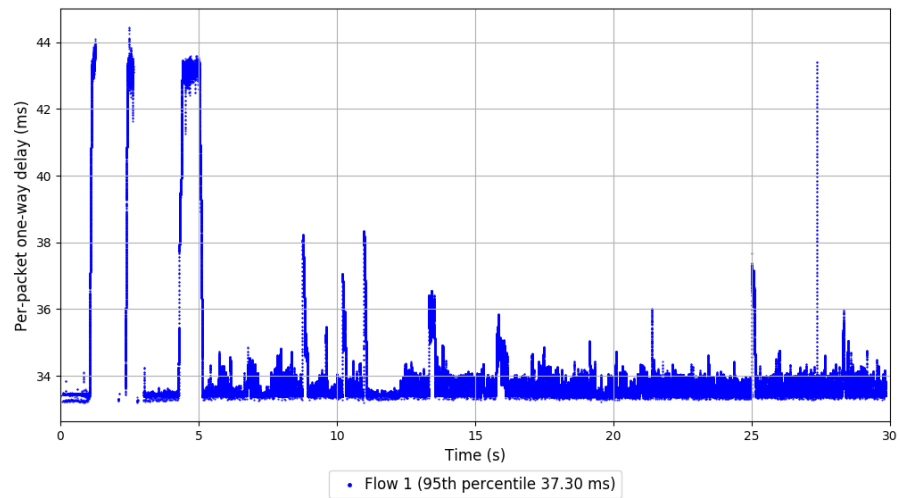
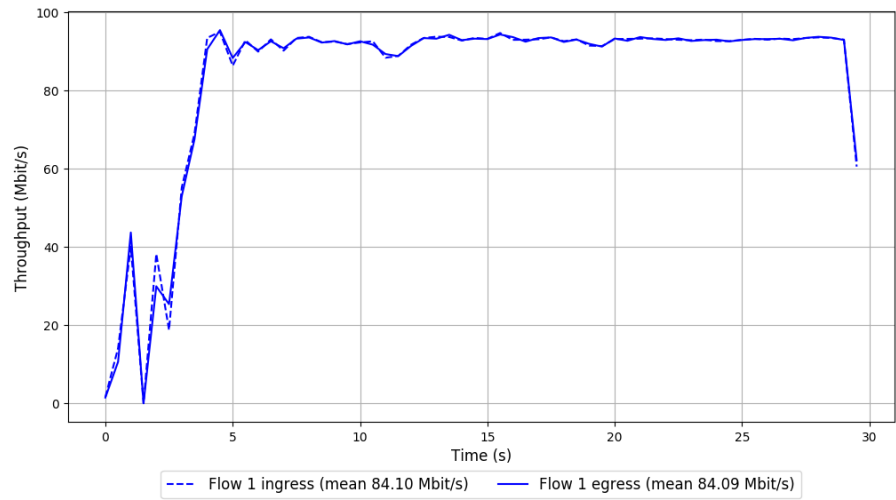


Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 10:41:30
End at: 2018-01-16 10:42:00
Local clock offset: -2.155 ms
Remote clock offset: -13.85 ms

Below is generated by plot.py at 2018-01-16 17:37:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 37.297 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 37.297 ms
Loss rate: 0.09%

Run 2: Report of Vivace-LTE — Data Link

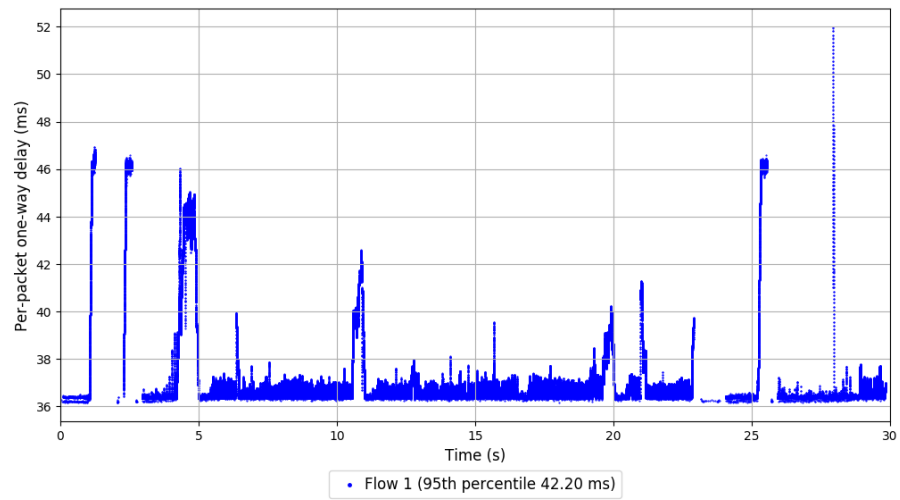
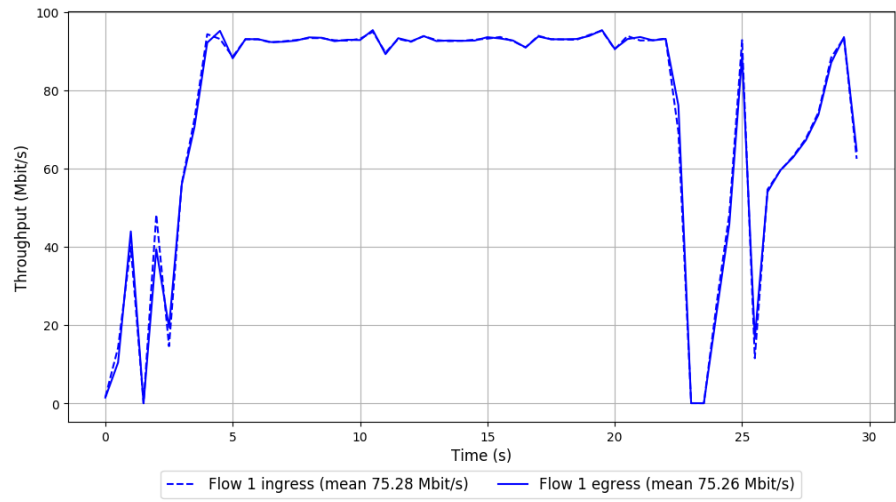


Run 3: Statistics of Vivace-LTE

Start at: 2018-01-16 11:02:45
End at: 2018-01-16 11:03:15
Local clock offset: -1.048 ms
Remote clock offset: -14.979 ms

Below is generated by plot.py at 2018-01-16 17:37:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.26 Mbit/s
95th percentile per-packet one-way delay: 42.196 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 75.26 Mbit/s
95th percentile per-packet one-way delay: 42.196 ms
Loss rate: 0.10%

Run 3: Report of Vivace-LTE — Data Link

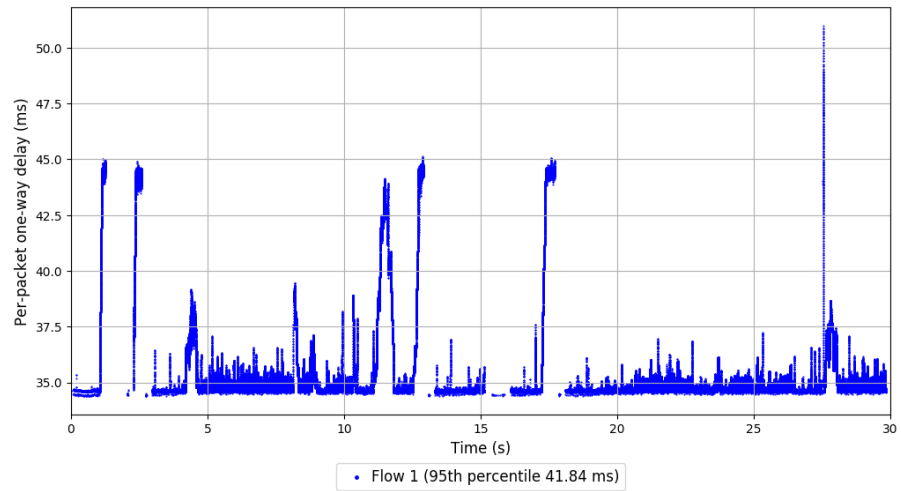
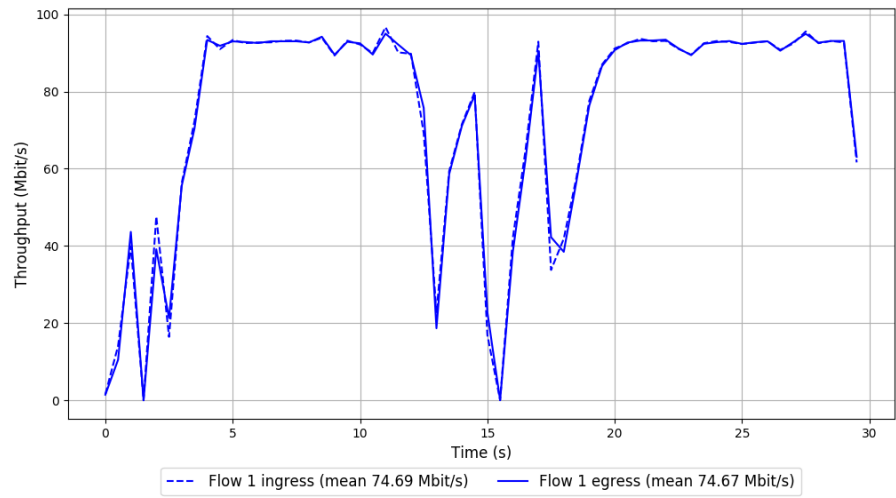


Run 4: Statistics of Vivace-LTE

Start at: 2018-01-16 11:24:00
End at: 2018-01-16 11:24:31
Local clock offset: -1.619 ms
Remote clock offset: -13.428 ms

Below is generated by plot.py at 2018-01-16 17:37:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.67 Mbit/s
95th percentile per-packet one-way delay: 41.840 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 74.67 Mbit/s
95th percentile per-packet one-way delay: 41.840 ms
Loss rate: 0.11%

Run 4: Report of Vivace-LTE — Data Link

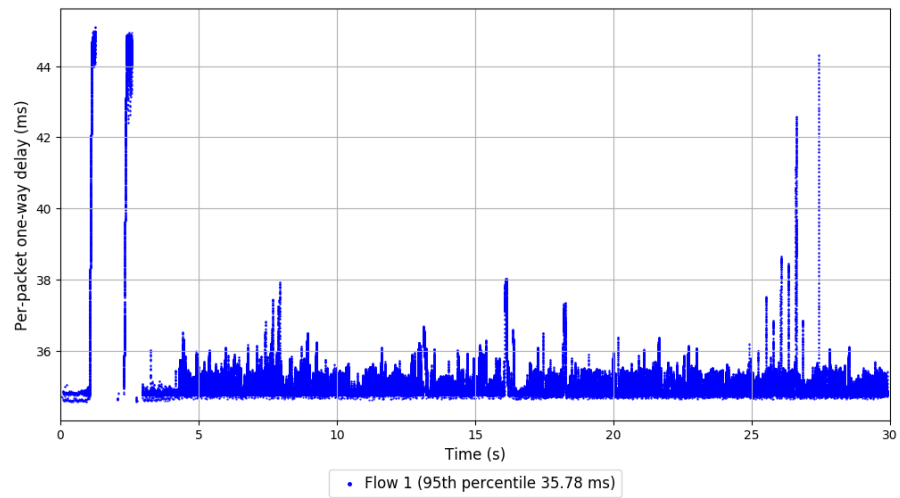
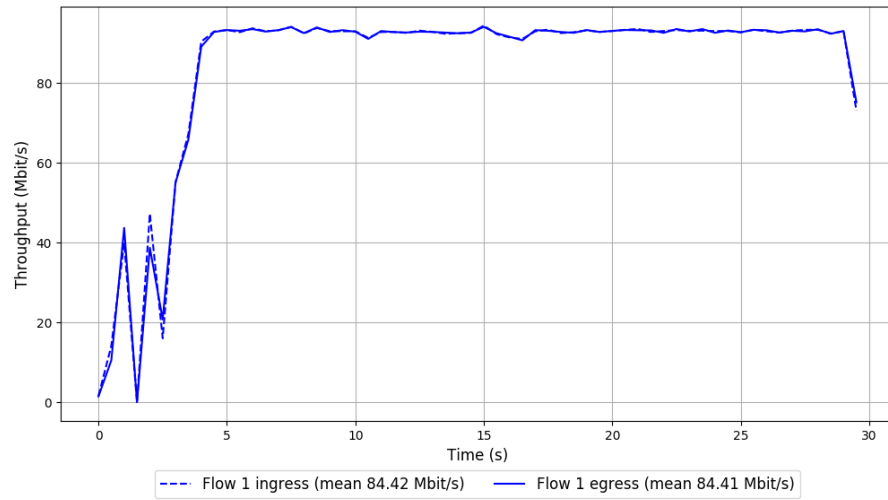


Run 5: Statistics of Vivace-LTE

Start at: 2018-01-16 11:45:57
End at: 2018-01-16 11:46:27
Local clock offset: 0.463 ms
Remote clock offset: -11.687 ms

Below is generated by plot.py at 2018-01-16 17:37:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 35.777 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 35.777 ms
Loss rate: 0.09%

Run 5: Report of Vivace-LTE — Data Link

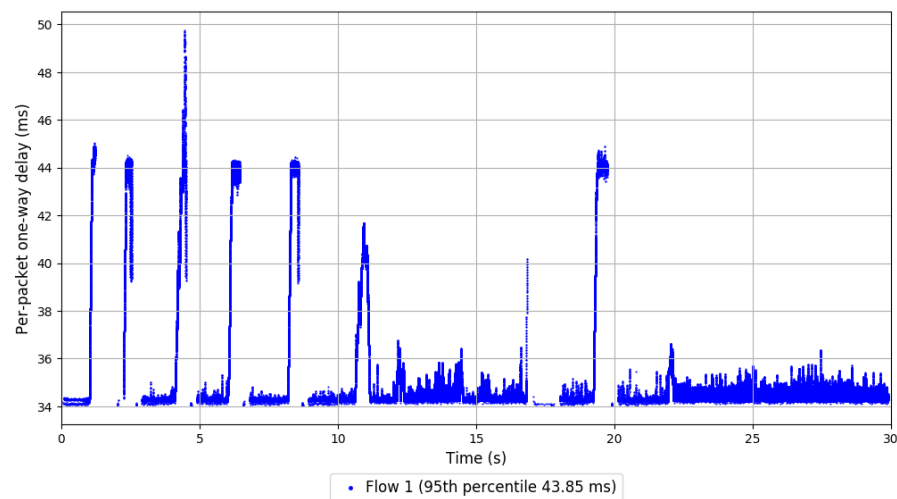
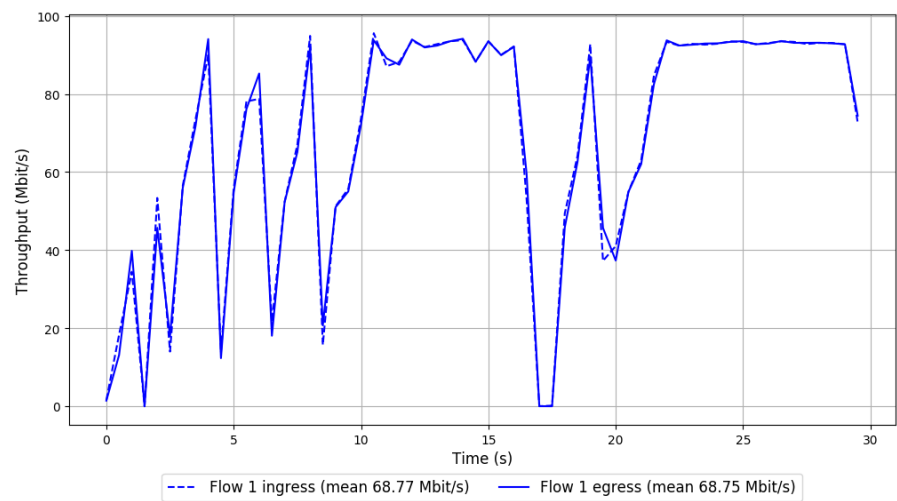


Run 6: Statistics of Vivace-LTE

Start at: 2018-01-16 12:07:10
End at: 2018-01-16 12:07:40
Local clock offset: 0.511 ms
Remote clock offset: -11.979 ms

Below is generated by plot.py at 2018-01-16 17:37:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.75 Mbit/s
95th percentile per-packet one-way delay: 43.848 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 68.75 Mbit/s
95th percentile per-packet one-way delay: 43.848 ms
Loss rate: 0.11%

Run 6: Report of Vivace-LTE — Data Link

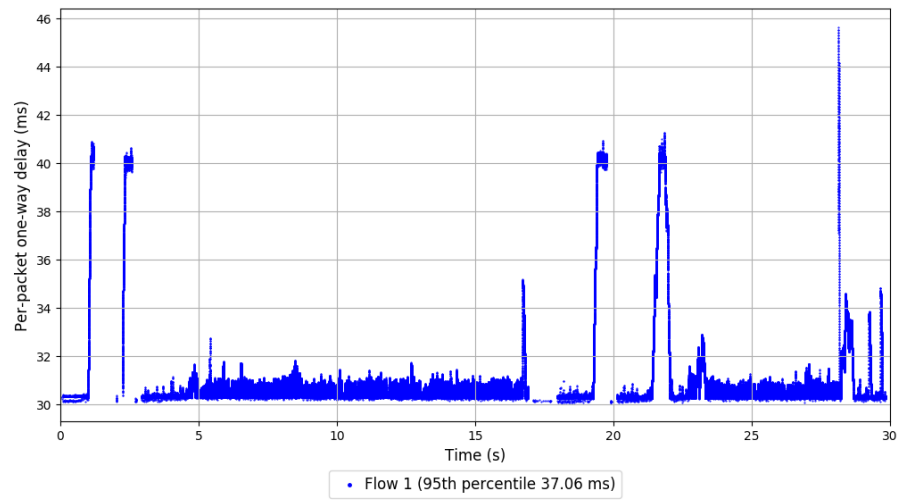
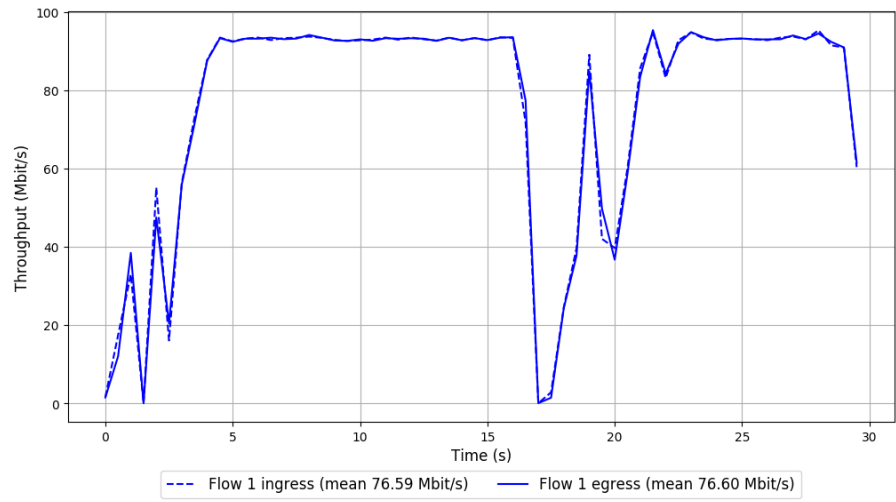


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-16 12:28:17
End at: 2018-01-16 12:28:47
Local clock offset: -1.547 ms
Remote clock offset: -11.605 ms

Below is generated by plot.py at 2018-01-16 17:37:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.60 Mbit/s
95th percentile per-packet one-way delay: 37.058 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.60 Mbit/s
95th percentile per-packet one-way delay: 37.058 ms
Loss rate: 0.09%

Run 7: Report of Vivace-LTE — Data Link

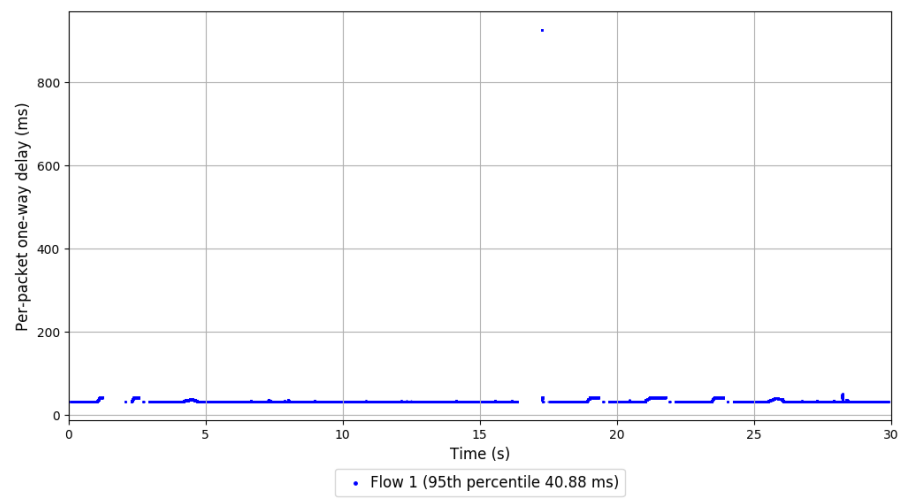
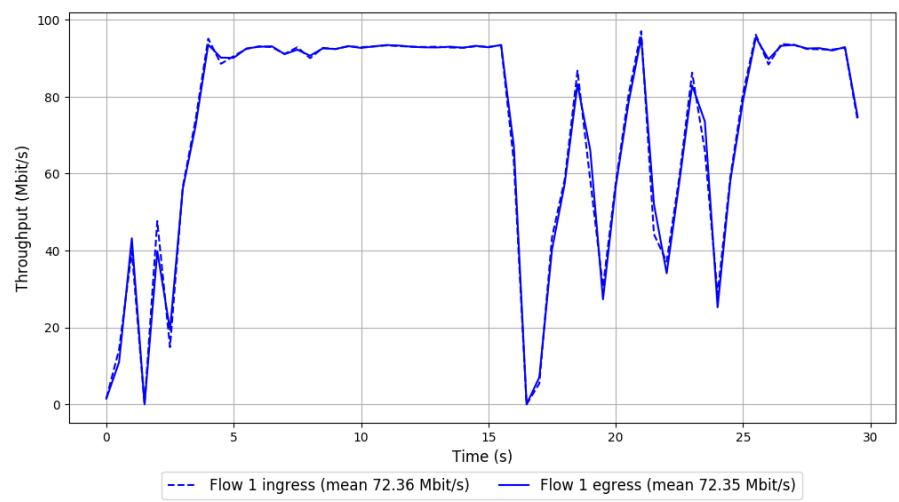


Run 8: Statistics of Vivace-LTE

Start at: 2018-01-16 12:49:17
End at: 2018-01-16 12:49:47
Local clock offset: 0.244 ms
Remote clock offset: -12.633 ms

Below is generated by plot.py at 2018-01-16 17:38:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 40.882 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 40.882 ms
Loss rate: 0.11%

Run 8: Report of Vivace-LTE — Data Link

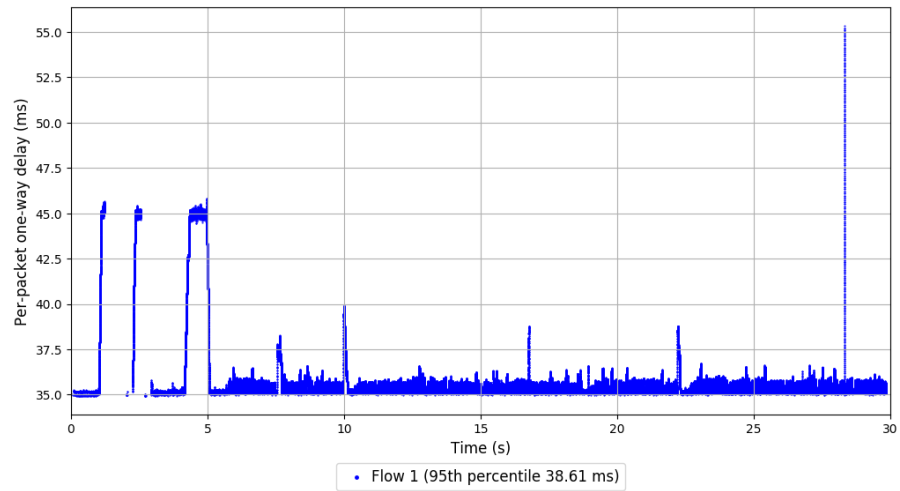
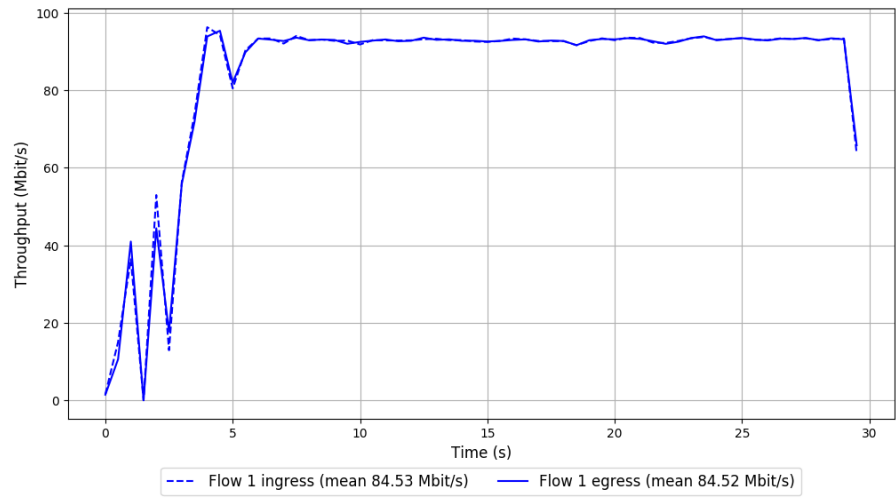


Run 9: Statistics of Vivace-LTE

Start at: 2018-01-16 13:10:22
End at: 2018-01-16 13:10:52
Local clock offset: 2.737 ms
Remote clock offset: -14.451 ms

Below is generated by plot.py at 2018-01-16 17:38:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 38.612 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 38.612 ms
Loss rate: 0.09%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-16 13:31:29
End at: 2018-01-16 13:31:59
Local clock offset: 0.133 ms
Remote clock offset: -15.545 ms

Below is generated by plot.py at 2018-01-16 17:38:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.29 Mbit/s
95th percentile per-packet one-way delay: 41.035 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 72.29 Mbit/s
95th percentile per-packet one-way delay: 41.035 ms
Loss rate: 0.06%

Run 10: Report of Vivace-LTE — Data Link

