

Pantheon Report

Generated at 2018-02-13 06:37:46 (UTC).

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

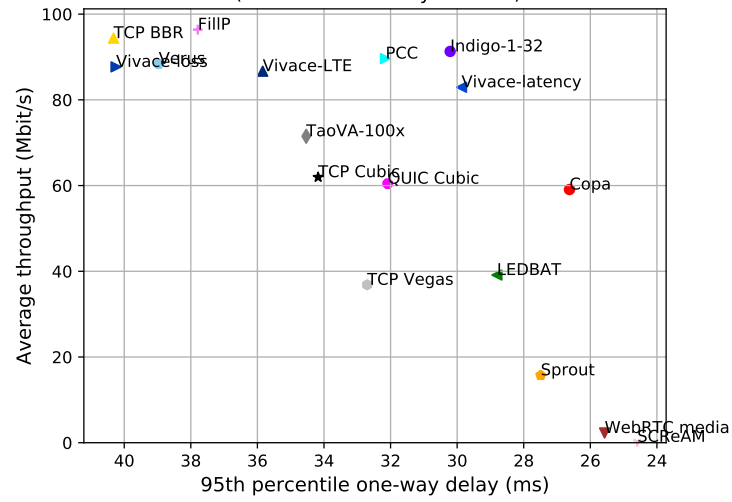
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

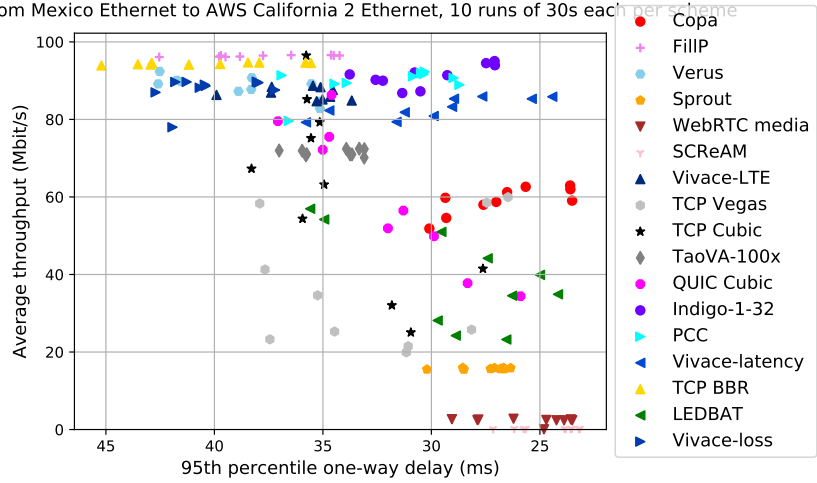
Git summary:

```
branch: master @ 2efdad57c2c56a9458b0d01ff33345e11732665
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fixlisp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.40	40.32	0.41
TCP Cubic	10	61.96	34.18	0.29
LEDBAT	10	39.12	28.81	0.31
PCC	10	89.62	32.15	0.38
QUIC Cubic	9	60.44	32.09	0.33
SCReAM	10	0.21	24.59	0.20
WebRTC media	10	2.27	25.57	0.23
Sprout	10	15.73	27.49	0.26
TaoVA-100x	10	71.50	34.53	0.38
TCP Vegas	10	36.84	32.70	0.34
Verus	10	88.38	38.97	0.35
Copa	10	59.08	26.63	0.28
FillP	10	96.38	37.79	0.44
Indigo-1-32	10	91.30	30.21	0.32
Vivace-latency	10	82.94	29.87	0.41
Vivace-loss	10	87.69	40.25	0.43
Vivace-LTE	10	86.69	35.84	0.38

Run 1: Statistics of TCP BBR

Start at: 2018-02-12 22:02:18

End at: 2018-02-12 22:02:48

Local clock offset: 3.241 ms

Remote clock offset: -4.002 ms

Below is generated by plot.py at 2018-02-13 06:16:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 42.883 ms

Loss rate: 0.45%

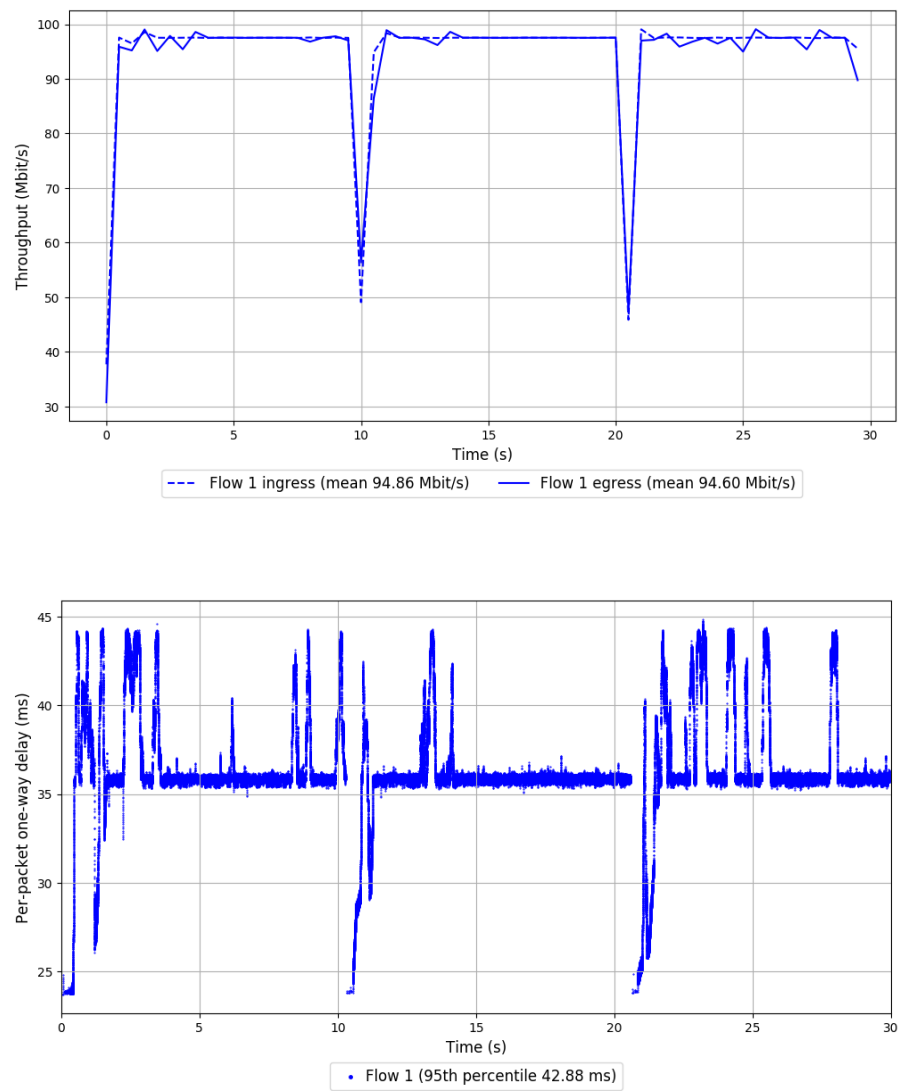
-- Flow 1:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 42.883 ms

Loss rate: 0.45%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-12 22:26:30

End at: 2018-02-12 22:27:00

Local clock offset: 1.678 ms

Remote clock offset: -6.172 ms

Below is generated by plot.py at 2018-02-13 06:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 37.931 ms

Loss rate: 0.24%

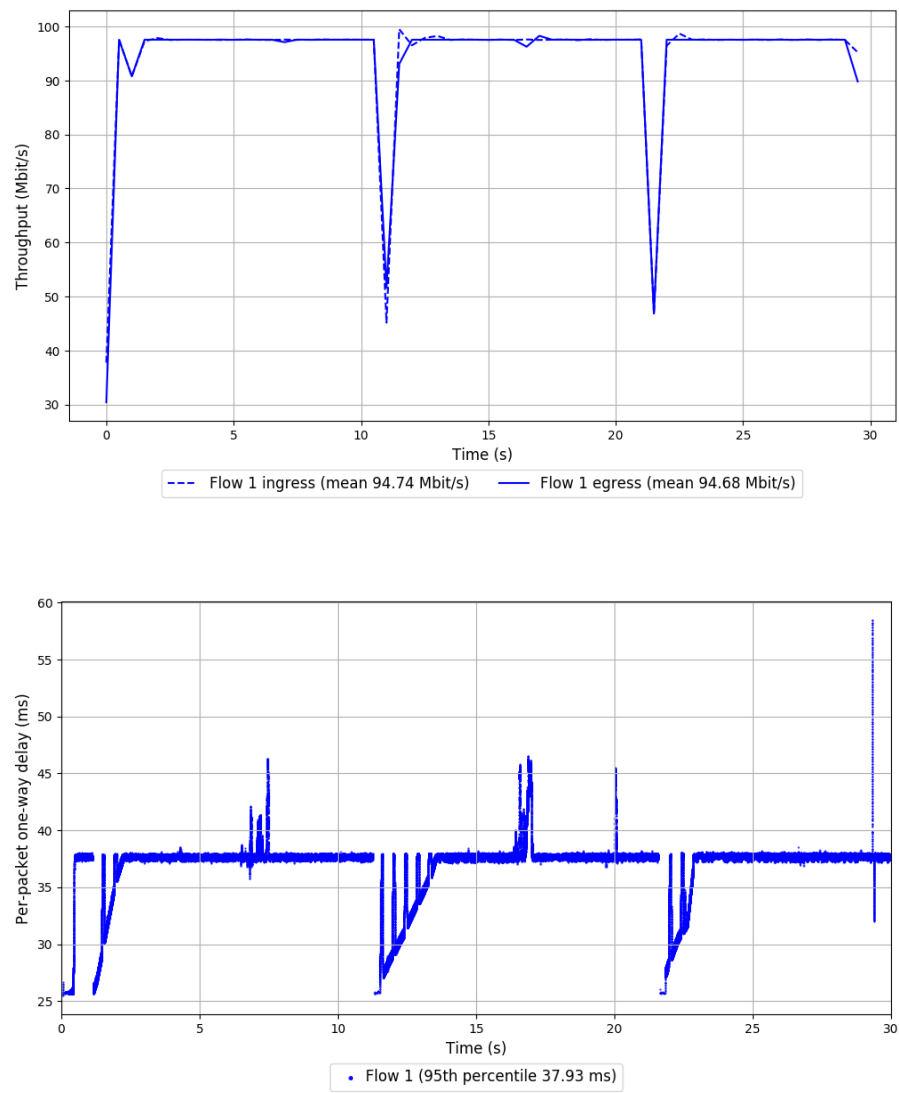
-- Flow 1:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 37.931 ms

Loss rate: 0.24%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-12 22:50:33

End at: 2018-02-12 22:51:03

Local clock offset: 3.082 ms

Remote clock offset: -3.674 ms

Below is generated by plot.py at 2018-02-13 06:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 35.806 ms

Loss rate: 0.24%

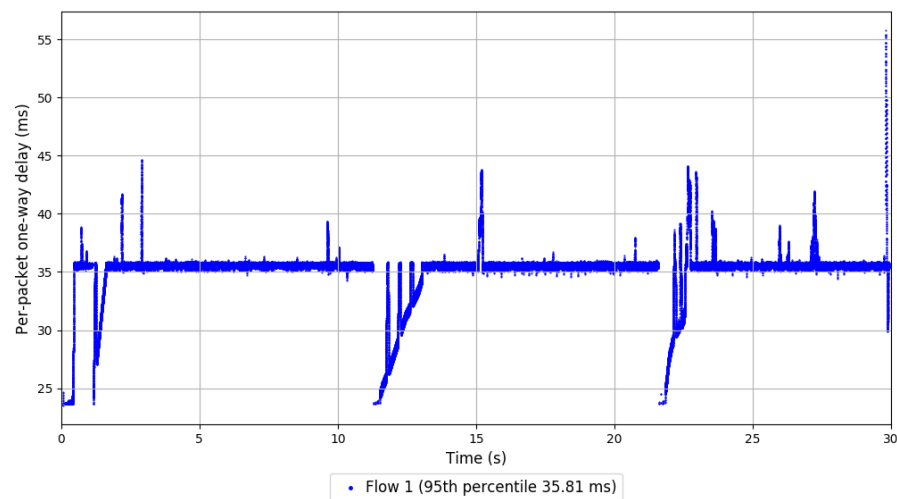
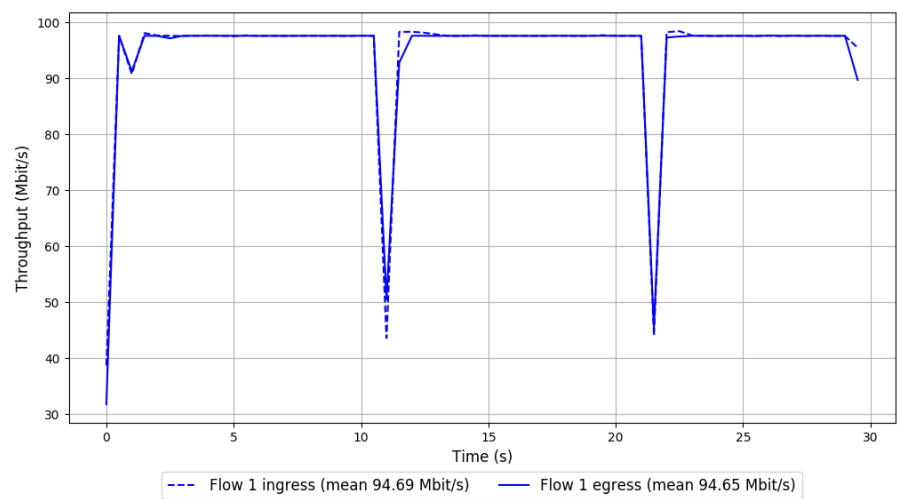
-- Flow 1:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 35.806 ms

Loss rate: 0.24%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-12 23:14:32

End at: 2018-02-12 23:15:02

Local clock offset: 0.526 ms

Remote clock offset: -0.883 ms

Below is generated by plot.py at 2018-02-13 06:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.70 Mbit/s

95th percentile per-packet one-way delay: 38.453 ms

Loss rate: 0.30%

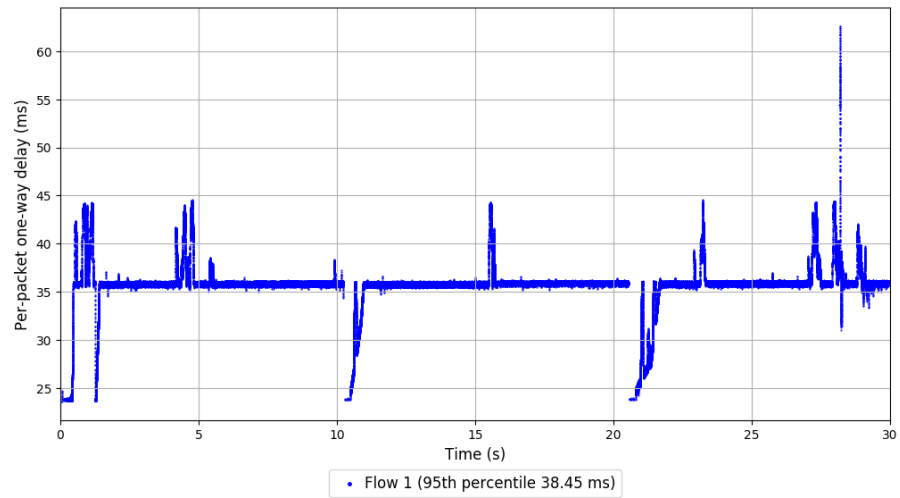
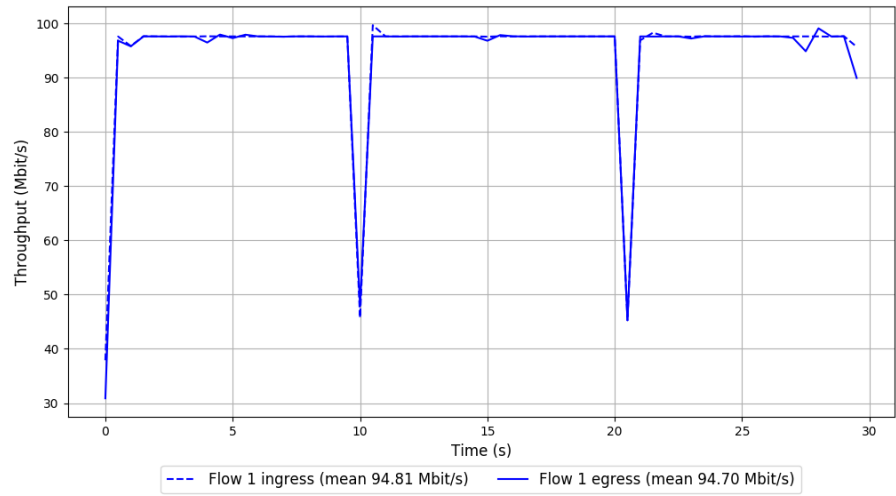
-- Flow 1:

Average throughput: 94.70 Mbit/s

95th percentile per-packet one-way delay: 38.453 ms

Loss rate: 0.30%

Run 4: Report of TCP BBR — Data Link

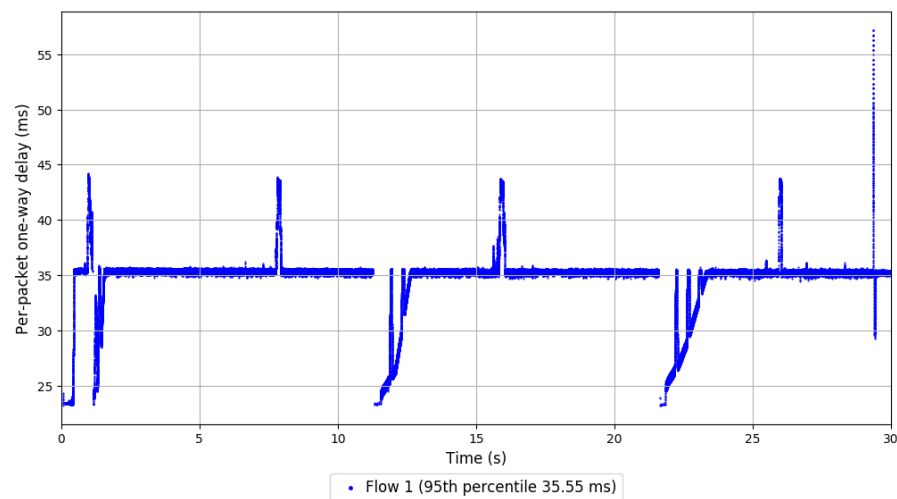
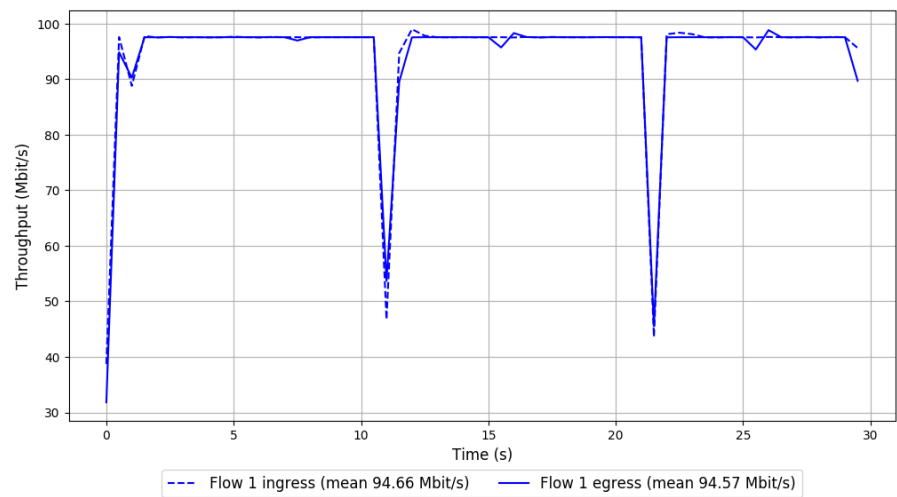


Run 5: Statistics of TCP BBR

Start at: 2018-02-12 23:38:43
End at: 2018-02-12 23:39:13
Local clock offset: -0.798 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2018-02-13 06:16:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 35.550 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 35.550 ms
Loss rate: 0.30%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-13 00:03:17

End at: 2018-02-13 00:03:47

Local clock offset: 0.895 ms

Remote clock offset: -1.747 ms

Below is generated by plot.py at 2018-02-13 06:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 39.734 ms

Loss rate: 0.44%

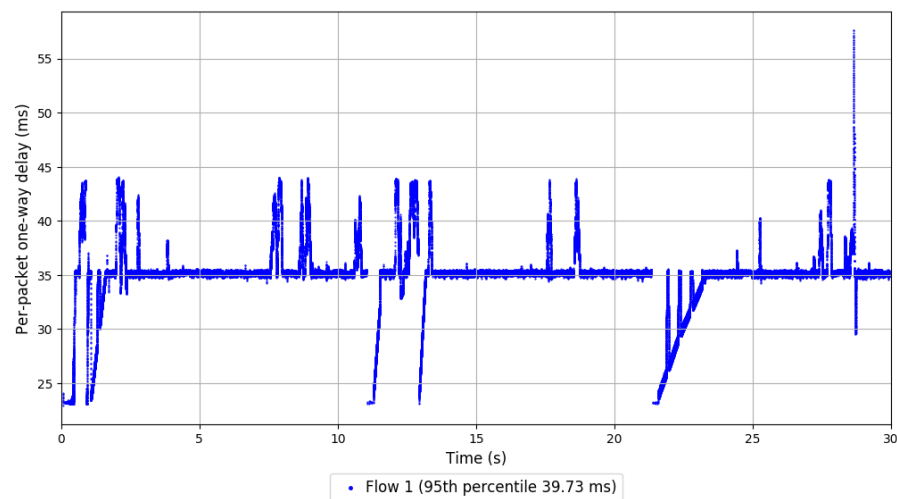
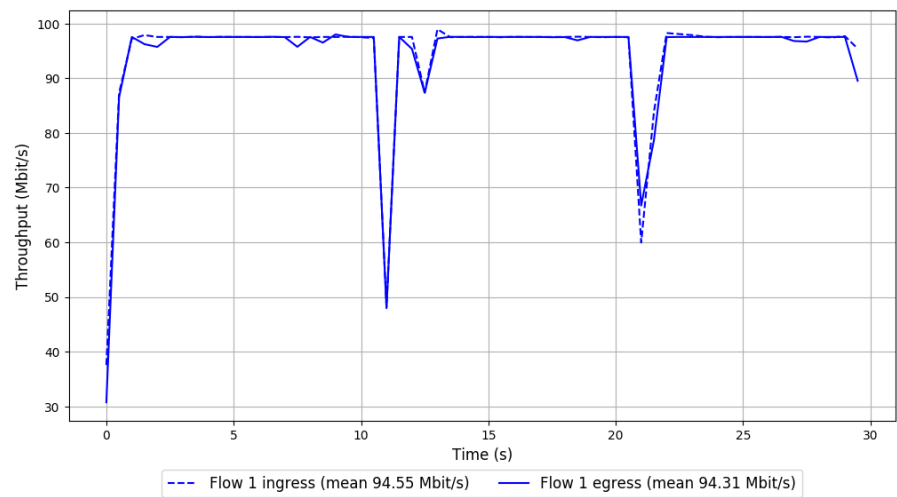
-- Flow 1:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 39.734 ms

Loss rate: 0.44%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-13 00:27:43

End at: 2018-02-13 00:28:13

Local clock offset: -0.21 ms

Remote clock offset: -7.071 ms

Below is generated by plot.py at 2018-02-13 06:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 43.526 ms

Loss rate: 0.52%

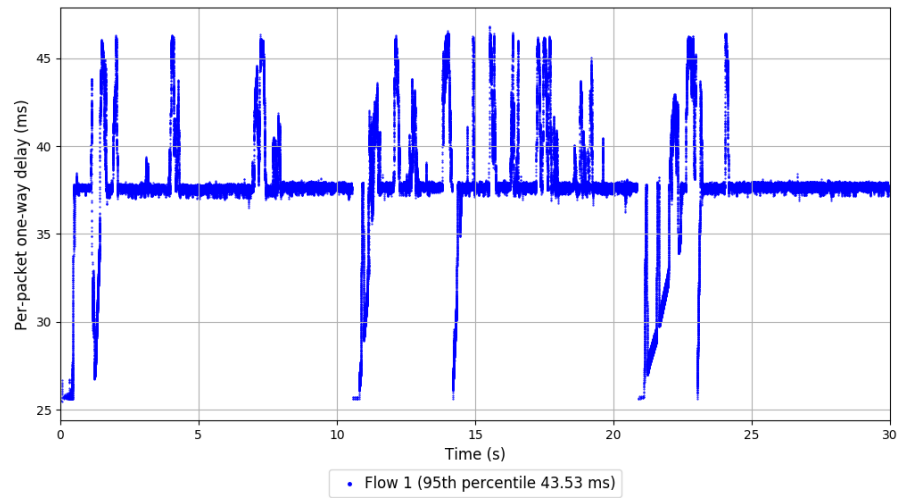
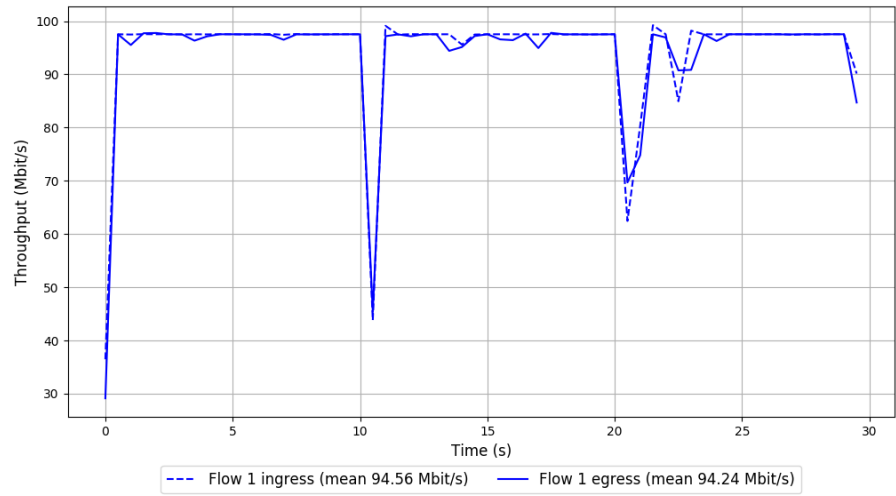
-- Flow 1:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 43.526 ms

Loss rate: 0.52%

Run 7: Report of TCP BBR — Data Link

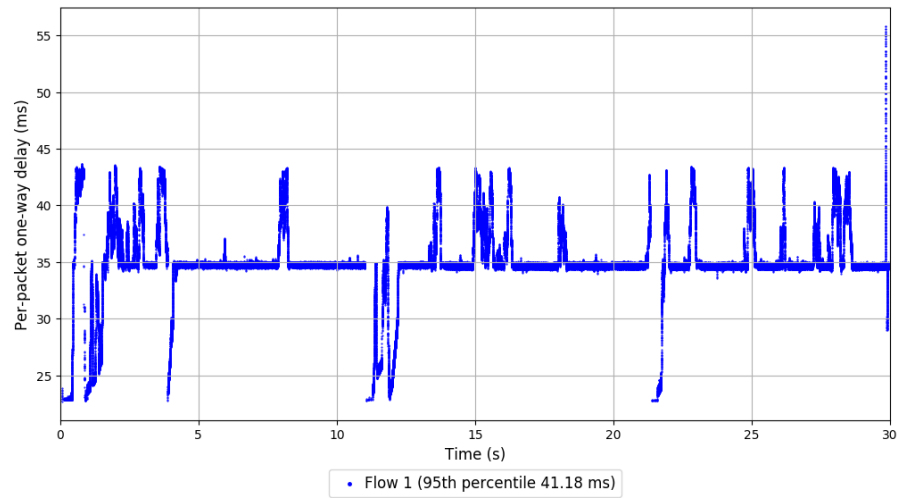
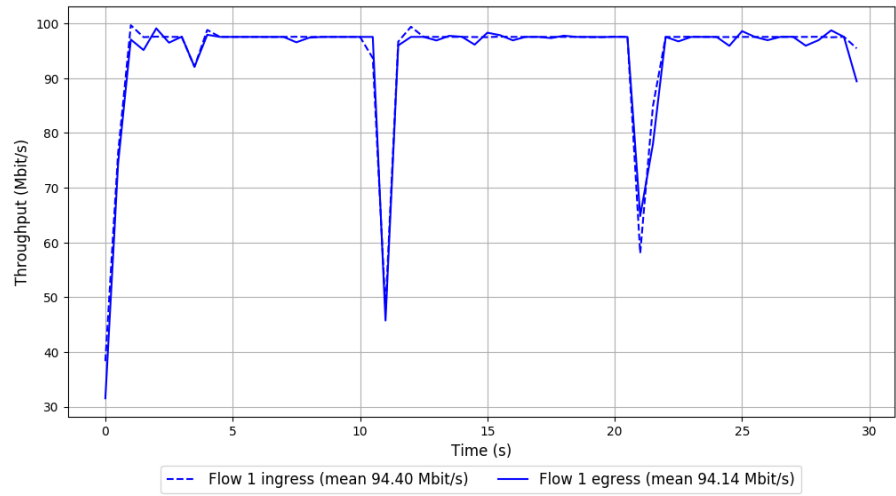


Run 8: Statistics of TCP BBR

Start at: 2018-02-13 00:52:02
End at: 2018-02-13 00:52:32
Local clock offset: 0.866 ms
Remote clock offset: -4.622 ms

Below is generated by plot.py at 2018-02-13 06:16:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 41.178 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 41.178 ms
Loss rate: 0.47%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-13 01:16:08

End at: 2018-02-13 01:16:38

Local clock offset: 3.265 ms

Remote clock offset: -8.798 ms

Below is generated by plot.py at 2018-02-13 06:17:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.93 Mbit/s

95th percentile per-packet one-way delay: 45.206 ms

Loss rate: 0.53%

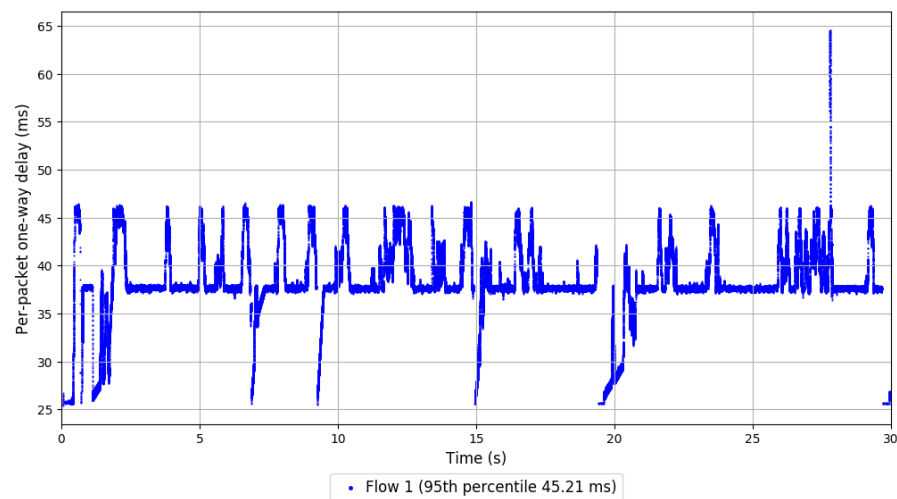
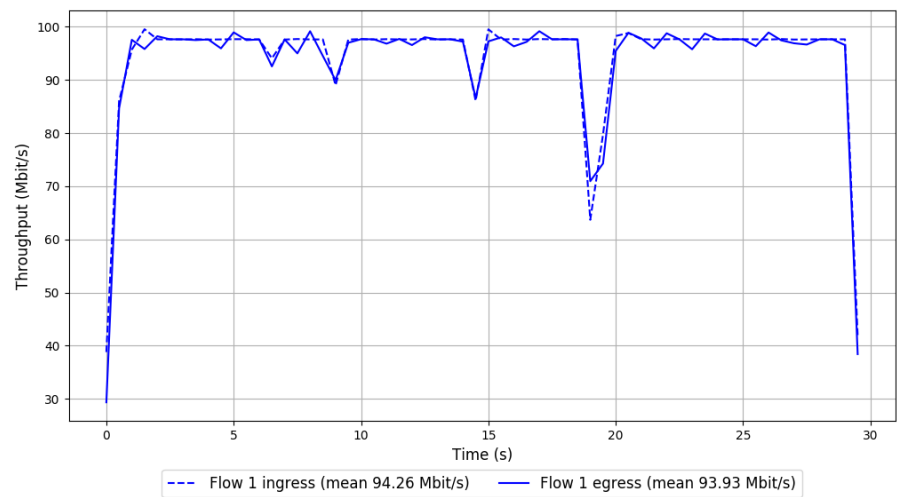
-- Flow 1:

Average throughput: 93.93 Mbit/s

95th percentile per-packet one-way delay: 45.206 ms

Loss rate: 0.53%

Run 9: Report of TCP BBR — Data Link

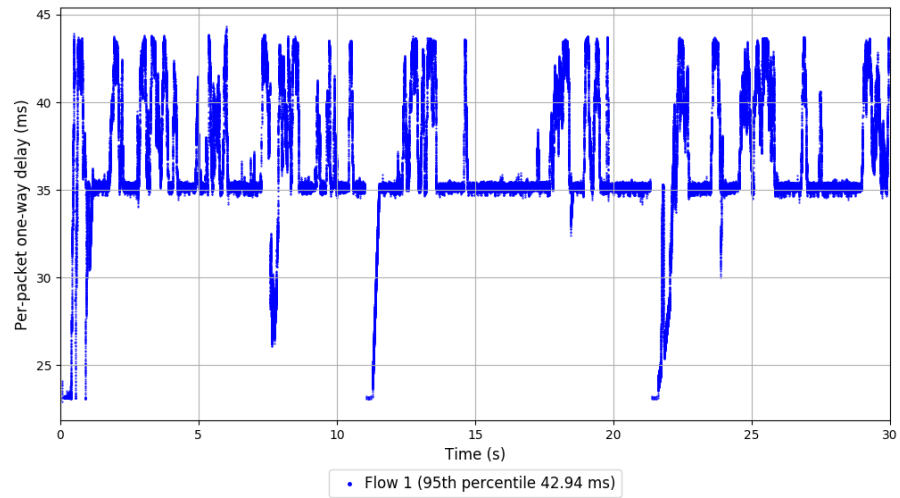
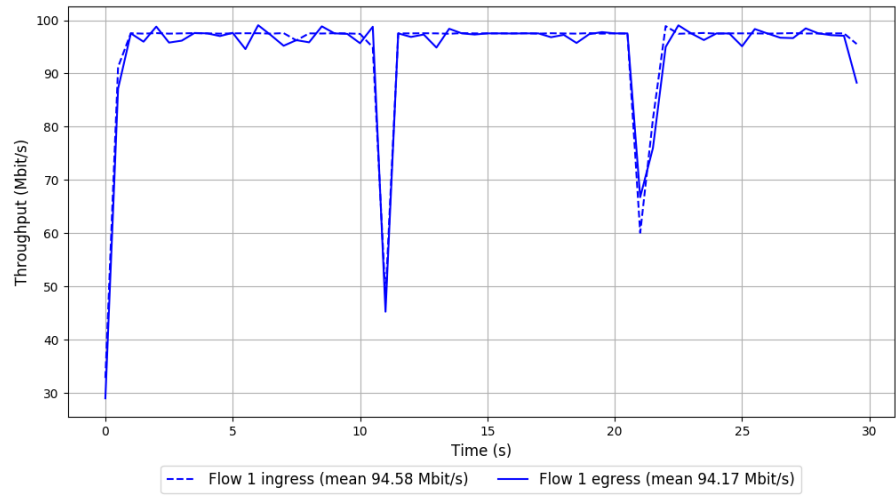


Run 10: Statistics of TCP BBR

Start at: 2018-02-13 01:40:31
End at: 2018-02-13 01:41:01
Local clock offset: 2.007 ms
Remote clock offset: -8.942 ms

Below is generated by plot.py at 2018-02-13 06:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 42.940 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 42.940 ms
Loss rate: 0.62%

Run 10: Report of TCP BBR — Data Link

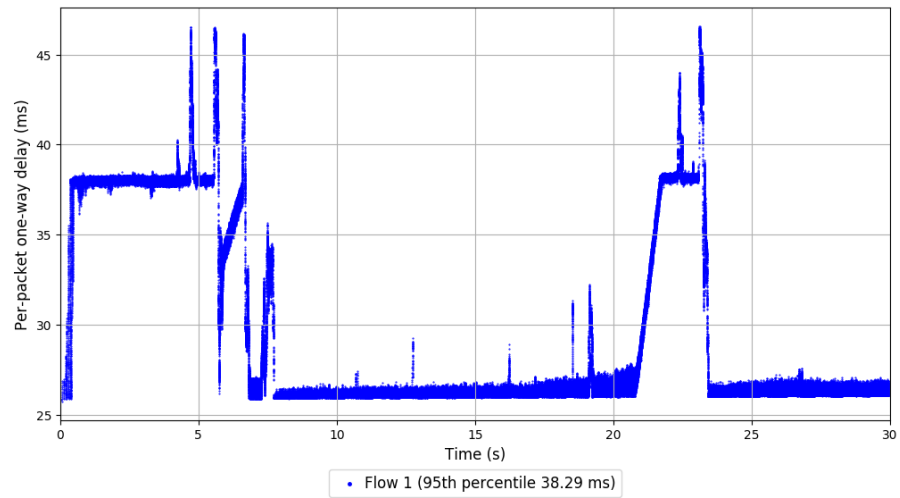
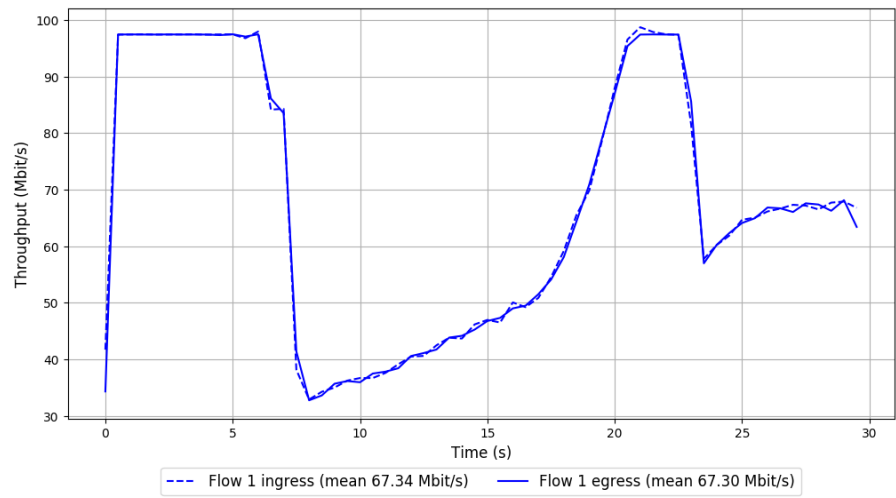


Run 1: Statistics of TCP Cubic

Start at: 2018-02-12 21:55:41
End at: 2018-02-12 21:56:11
Local clock offset: 5.065 ms
Remote clock offset: -6.217 ms

Below is generated by plot.py at 2018-02-13 06:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 38.291 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 38.291 ms
Loss rate: 0.24%

Run 1: Report of TCP Cubic — Data Link

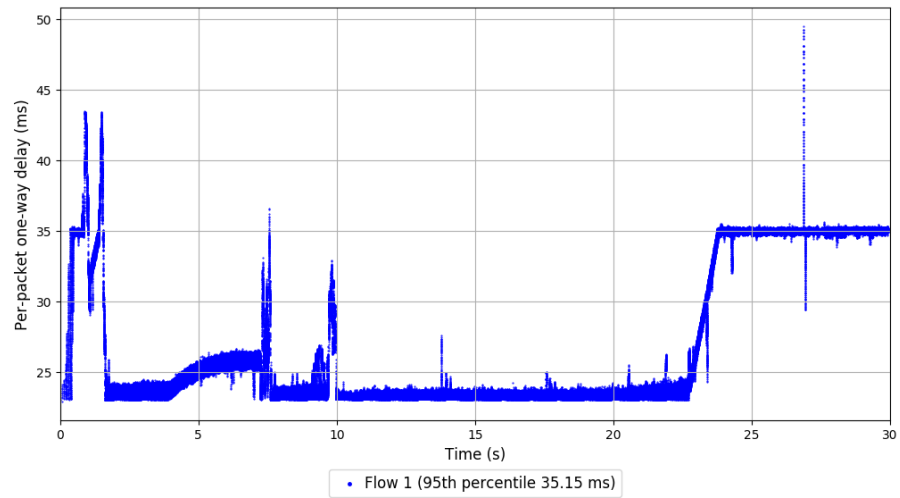
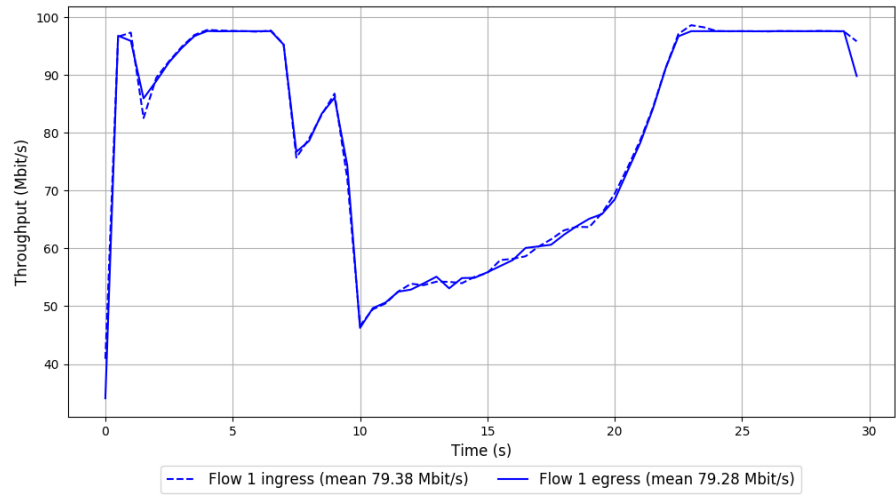


Run 2: Statistics of TCP Cubic

Start at: 2018-02-12 22:19:48
End at: 2018-02-12 22:20:18
Local clock offset: 1.76 ms
Remote clock offset: -3.859 ms

Below is generated by plot.py at 2018-02-13 06:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 35.145 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 35.145 ms
Loss rate: 0.31%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-12 22:43:53

End at: 2018-02-12 22:44:23

Local clock offset: 2.766 ms

Remote clock offset: -3.72 ms

Below is generated by plot.py at 2018-02-13 06:17:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 35.768 ms

Loss rate: 0.25%

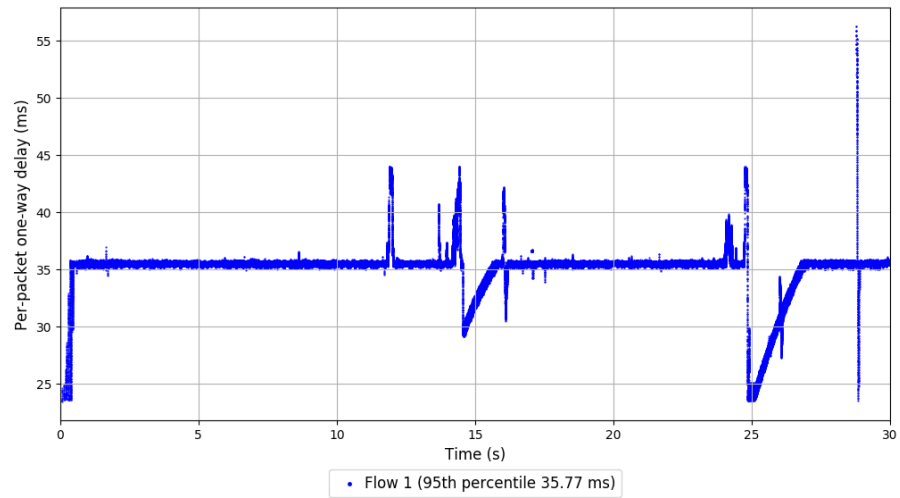
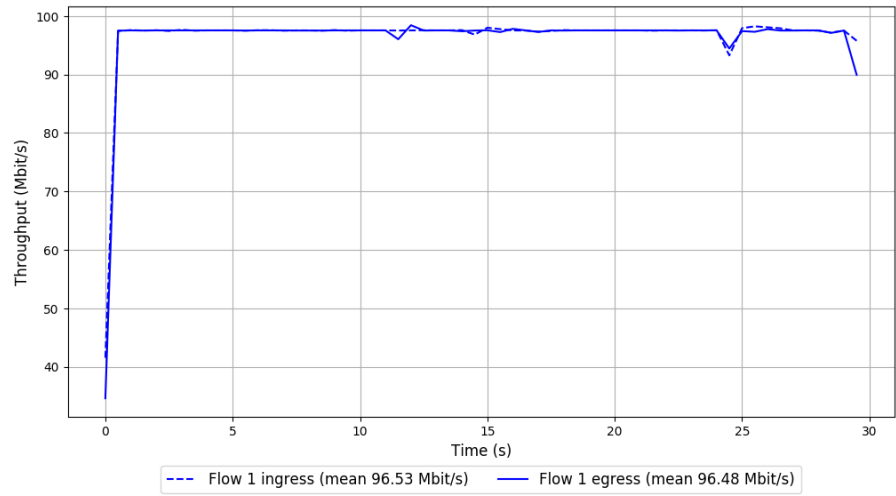
-- Flow 1:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 35.768 ms

Loss rate: 0.25%

Run 3: Report of TCP Cubic — Data Link

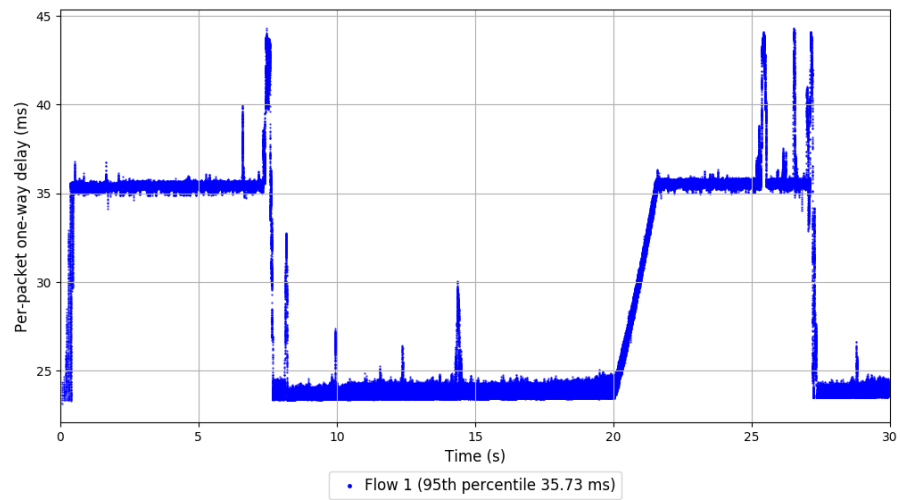
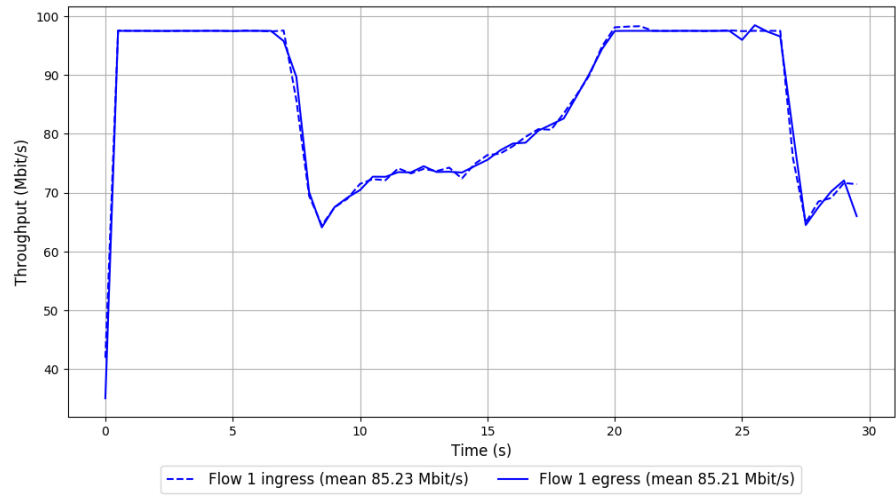


Run 4: Statistics of TCP Cubic

Start at: 2018-02-12 23:07:53
End at: 2018-02-12 23:08:23
Local clock offset: 1.942 ms
Remote clock offset: -1.171 ms

Below is generated by plot.py at 2018-02-13 06:17:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 35.732 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 35.732 ms
Loss rate: 0.21%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-12 23:32:05

End at: 2018-02-12 23:32:36

Local clock offset: -0.769 ms

Remote clock offset: 1.144 ms

Below is generated by plot.py at 2018-02-13 06:17:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.19 Mbit/s

95th percentile per-packet one-way delay: 34.943 ms

Loss rate: 0.28%

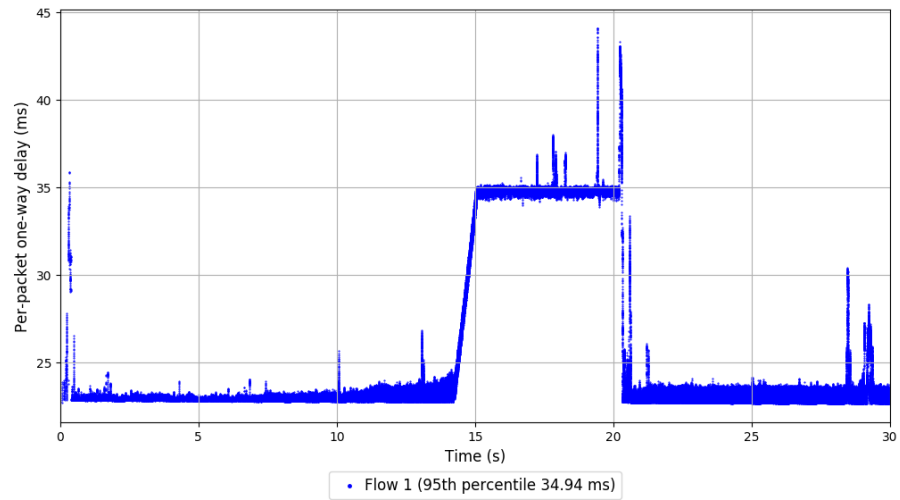
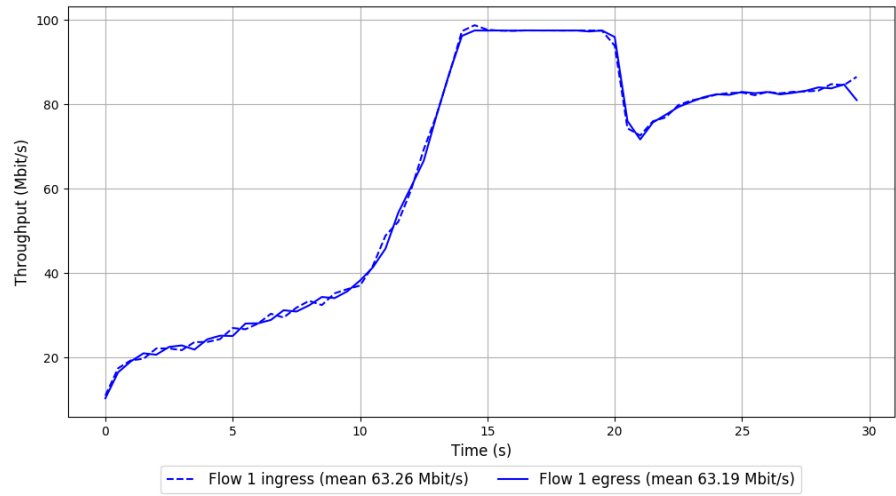
-- Flow 1:

Average throughput: 63.19 Mbit/s

95th percentile per-packet one-way delay: 34.943 ms

Loss rate: 0.28%

Run 5: Report of TCP Cubic — Data Link

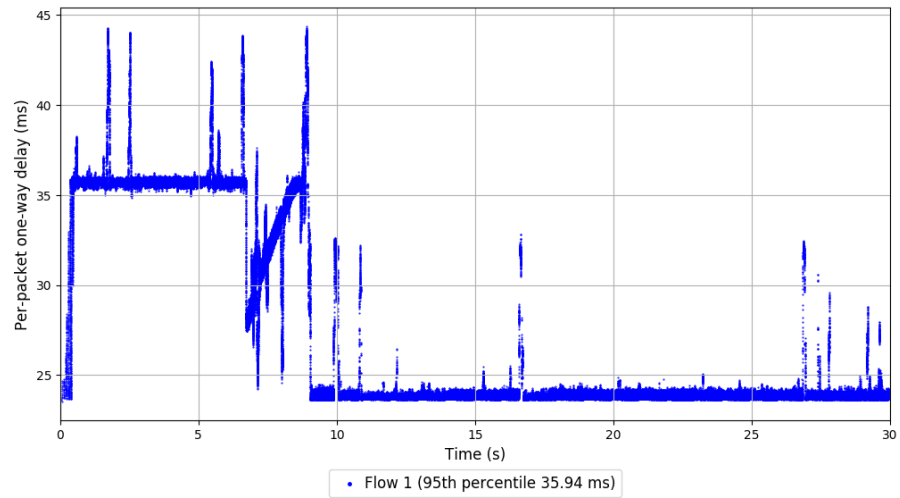
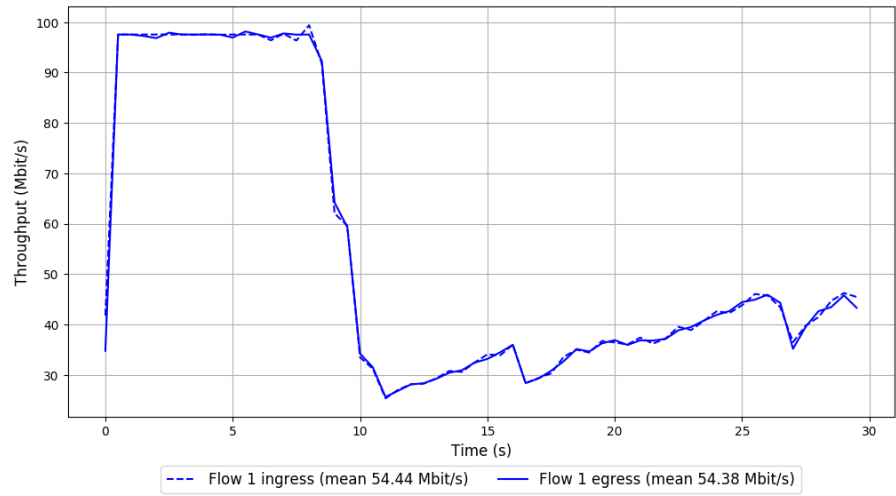


Run 6: Statistics of TCP Cubic

Start at: 2018-02-12 23:56:18
End at: 2018-02-12 23:56:48
Local clock offset: 0.801 ms
Remote clock offset: -2.373 ms

Below is generated by plot.py at 2018-02-13 06:17:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.38 Mbit/s
95th percentile per-packet one-way delay: 35.939 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 54.38 Mbit/s
95th percentile per-packet one-way delay: 35.939 ms
Loss rate: 0.28%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-13 00:20:51

End at: 2018-02-13 00:21:21

Local clock offset: 0.201 ms

Remote clock offset: -4.16 ms

Below is generated by plot.py at 2018-02-13 06:18:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.17 Mbit/s

95th percentile per-packet one-way delay: 35.549 ms

Loss rate: 0.24%

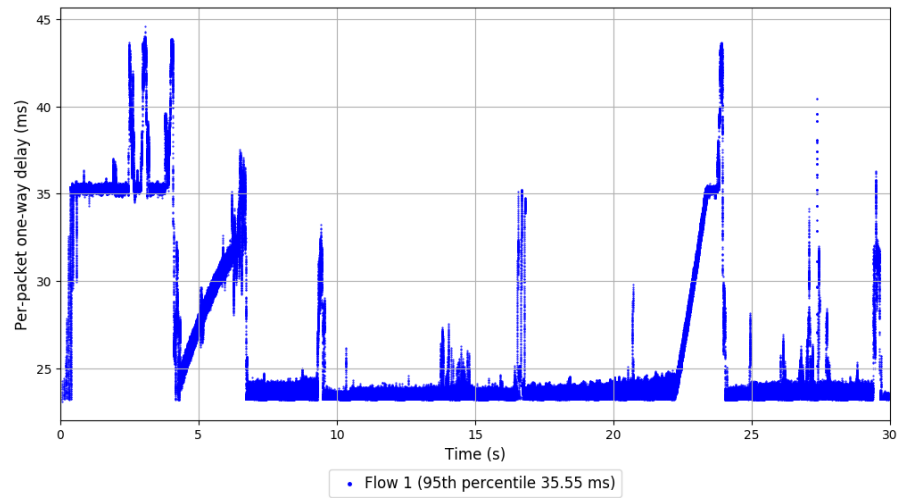
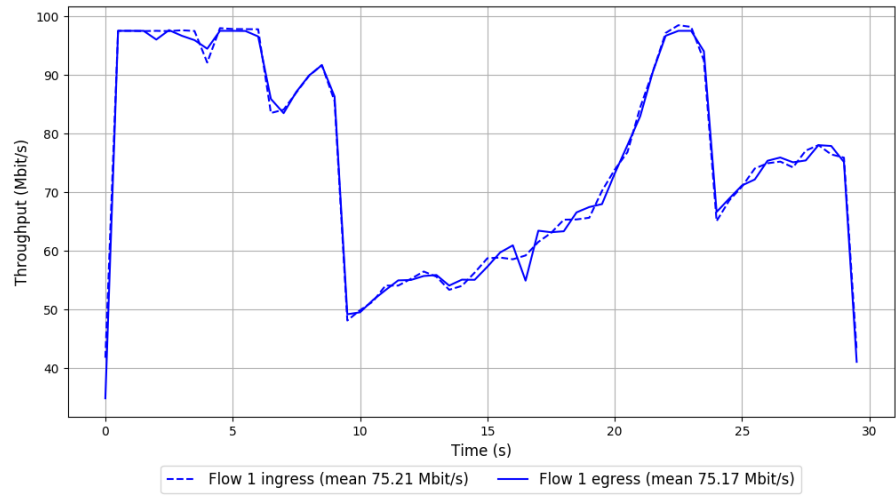
-- Flow 1:

Average throughput: 75.17 Mbit/s

95th percentile per-packet one-way delay: 35.549 ms

Loss rate: 0.24%

Run 7: Report of TCP Cubic — Data Link

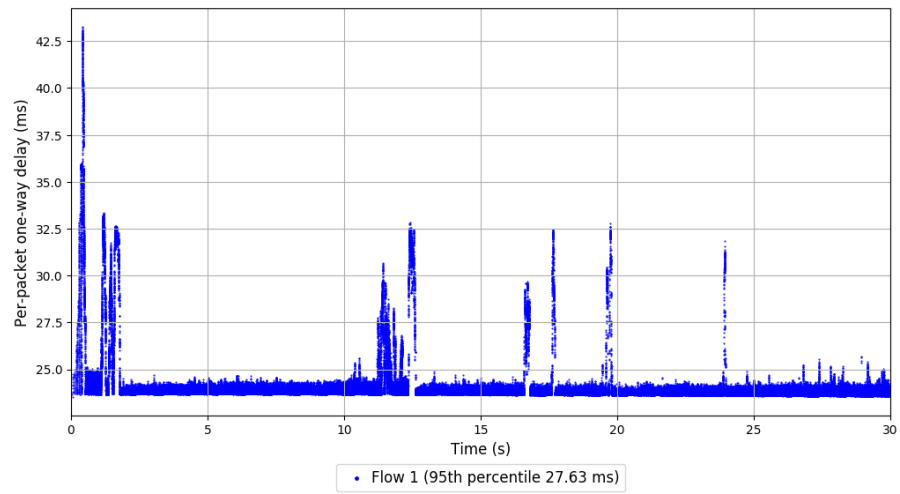
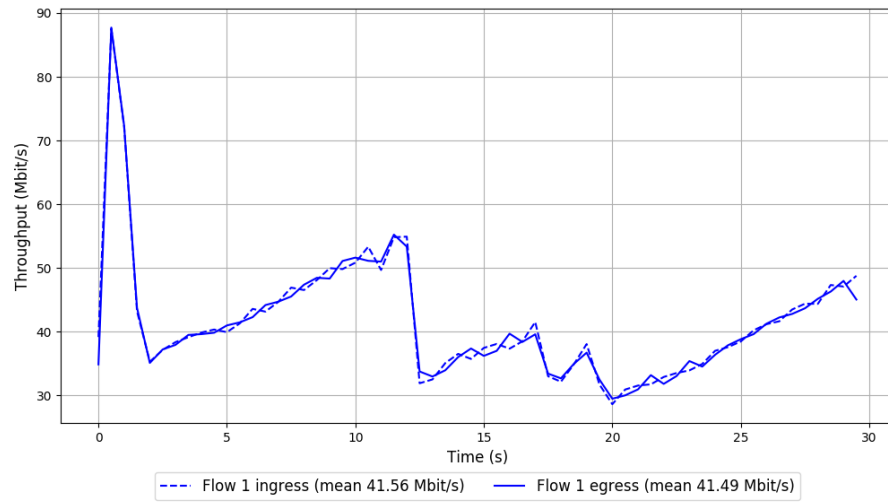


Run 8: Statistics of TCP Cubic

Start at: 2018-02-13 00:45:26
End at: 2018-02-13 00:45:56
Local clock offset: -0.613 ms
Remote clock offset: -5.284 ms

Below is generated by plot.py at 2018-02-13 06:18:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 27.626 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 27.626 ms
Loss rate: 0.34%

Run 8: Report of TCP Cubic — Data Link

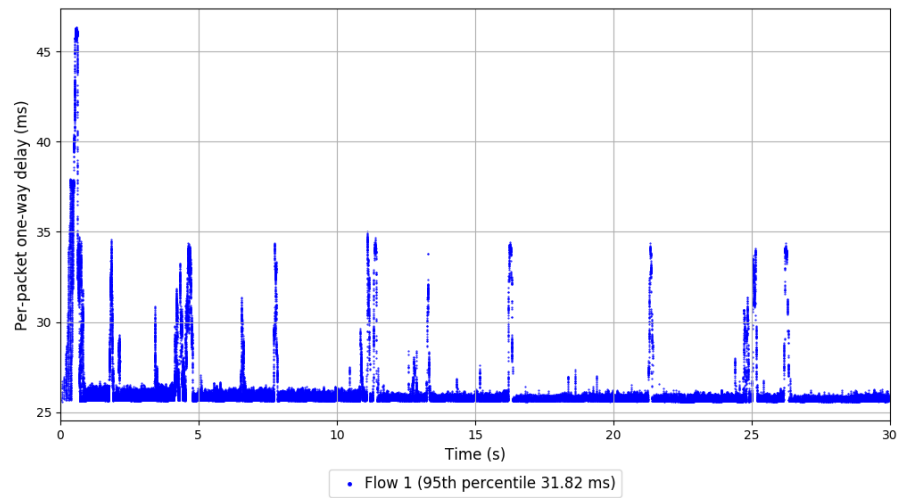
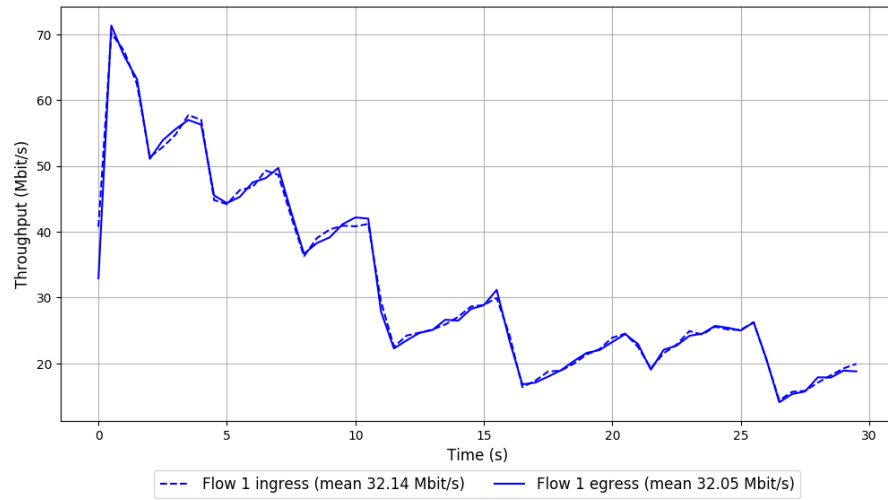


Run 9: Statistics of TCP Cubic

Start at: 2018-02-13 01:09:29
End at: 2018-02-13 01:09:59
Local clock offset: 2.88 ms
Remote clock offset: -8.217 ms

Below is generated by plot.py at 2018-02-13 06:18:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: 31.821 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: 31.821 ms
Loss rate: 0.48%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-13 01:33:52

End at: 2018-02-13 01:34:22

Local clock offset: 2.106 ms

Remote clock offset: -8.598 ms

Below is generated by plot.py at 2018-02-13 06:18:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.05 Mbit/s

95th percentile per-packet one-way delay: 30.947 ms

Loss rate: 0.25%

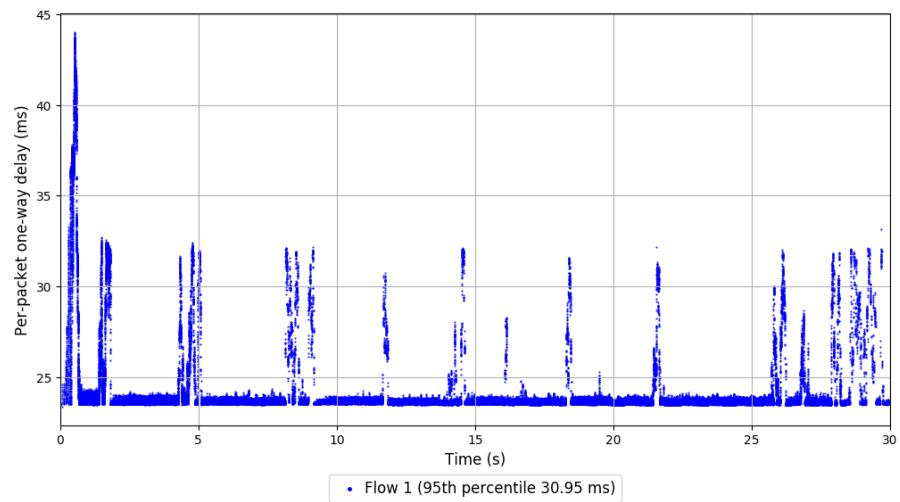
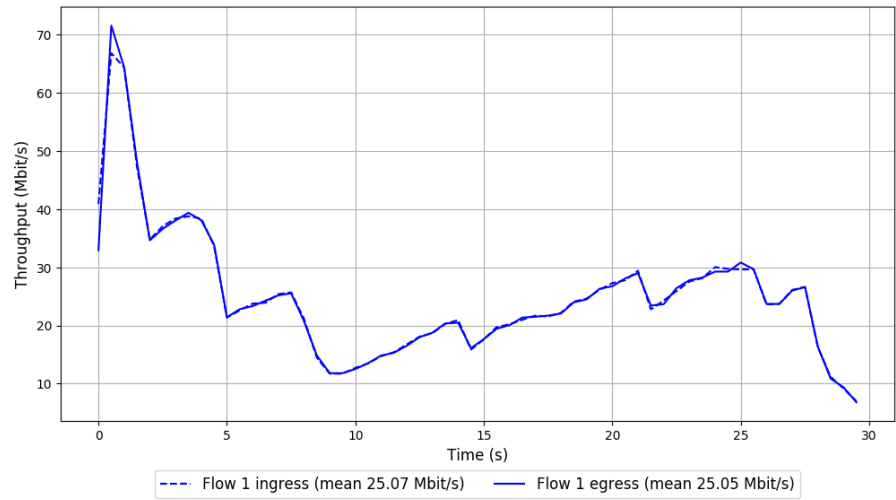
-- Flow 1:

Average throughput: 25.05 Mbit/s

95th percentile per-packet one-way delay: 30.947 ms

Loss rate: 0.25%

Run 10: Report of TCP Cubic — Data Link

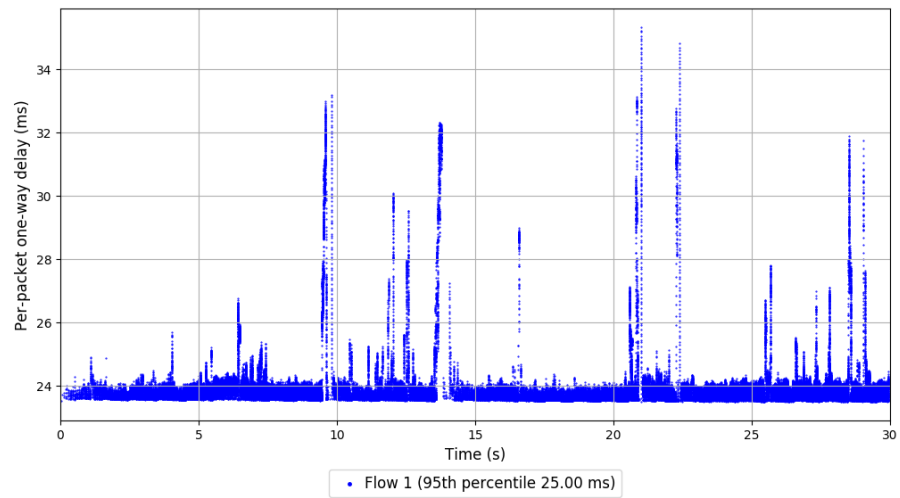
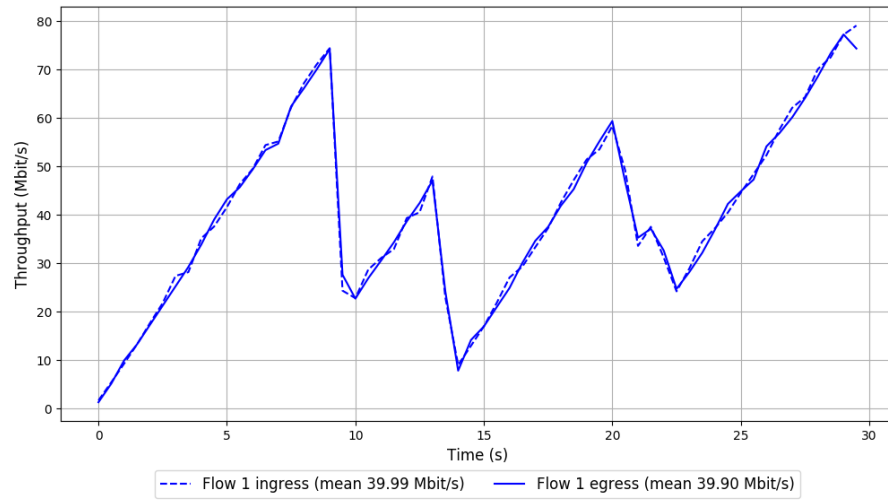


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-12 21:43:46
End at: 2018-02-12 21:44:16
Local clock offset: 4.398 ms
Remote clock offset: -4.299 ms

# Below is generated by plot.py at 2018-02-13 06:18:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 24.998 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 24.998 ms
Loss rate: 0.41%
```


Run 1: Report of LEDBAT — Data Link

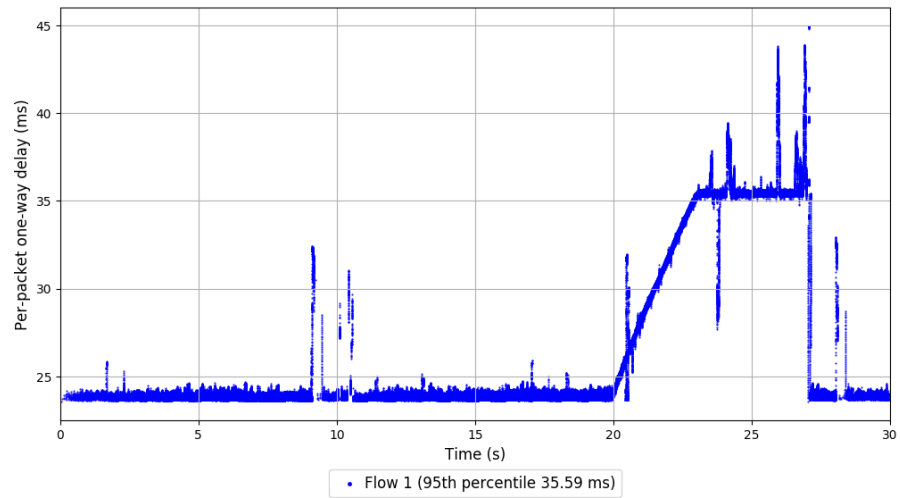
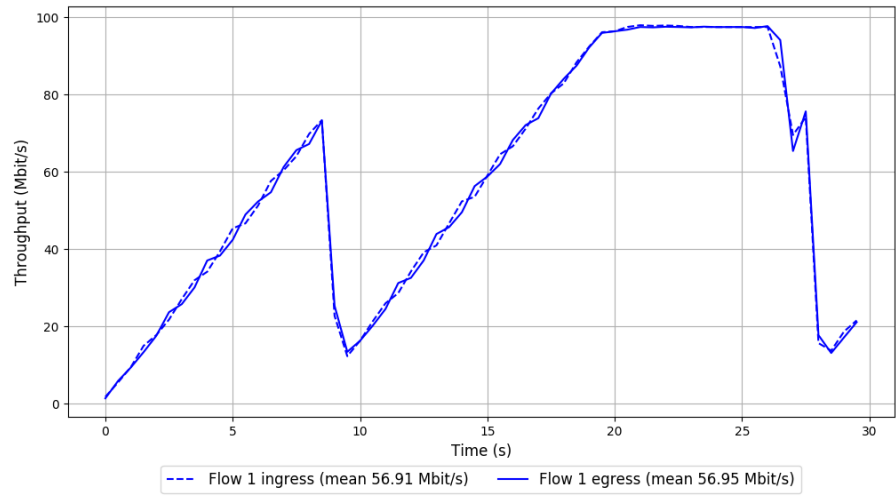


Run 2: Statistics of LEDBAT

Start at: 2018-02-12 22:07:39
End at: 2018-02-12 22:08:09
Local clock offset: 2.499 ms
Remote clock offset: -4.043 ms

Below is generated by plot.py at 2018-02-13 06:18:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 35.588 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 35.588 ms
Loss rate: 0.11%

Run 2: Report of LEDBAT — Data Link

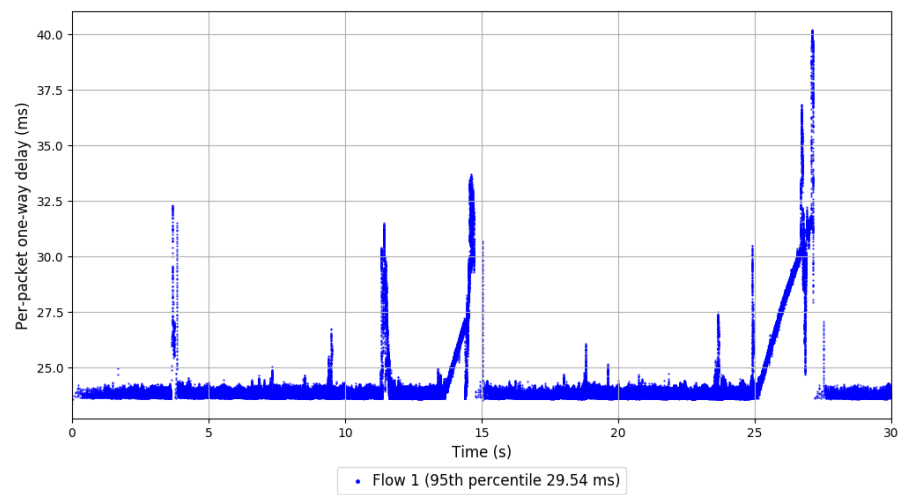
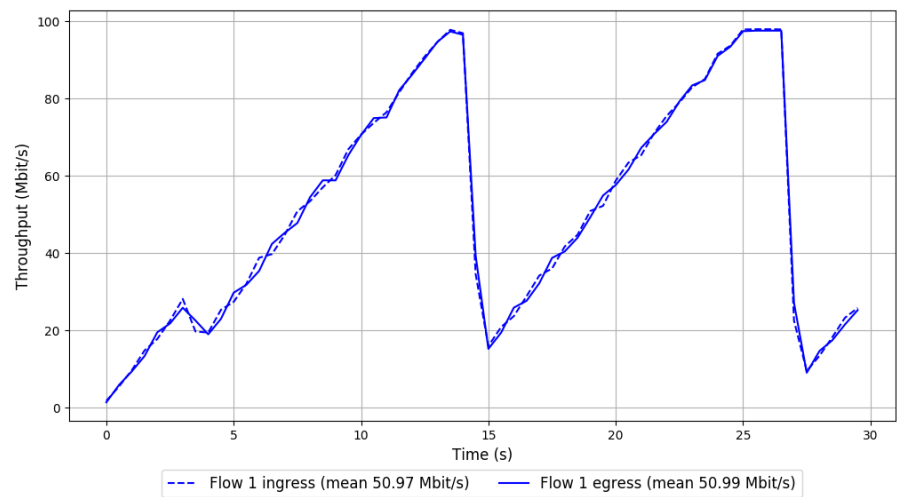


Run 3: Statistics of LEDBAT

Start at: 2018-02-12 22:31:52
End at: 2018-02-12 22:32:22
Local clock offset: 1.943 ms
Remote clock offset: -3.992 ms

Below is generated by plot.py at 2018-02-13 06:18:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.99 Mbit/s
95th percentile per-packet one-way delay: 29.541 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 50.99 Mbit/s
95th percentile per-packet one-way delay: 29.541 ms
Loss rate: 0.15%

Run 3: Report of LEDBAT — Data Link

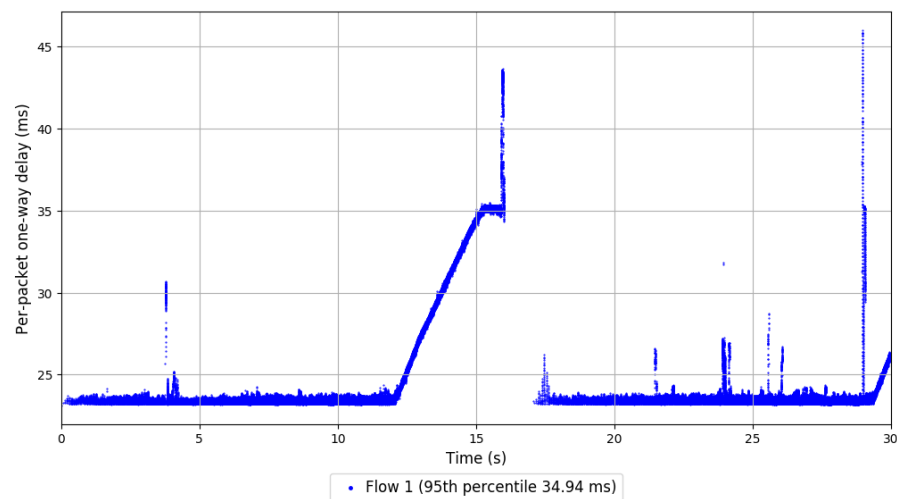
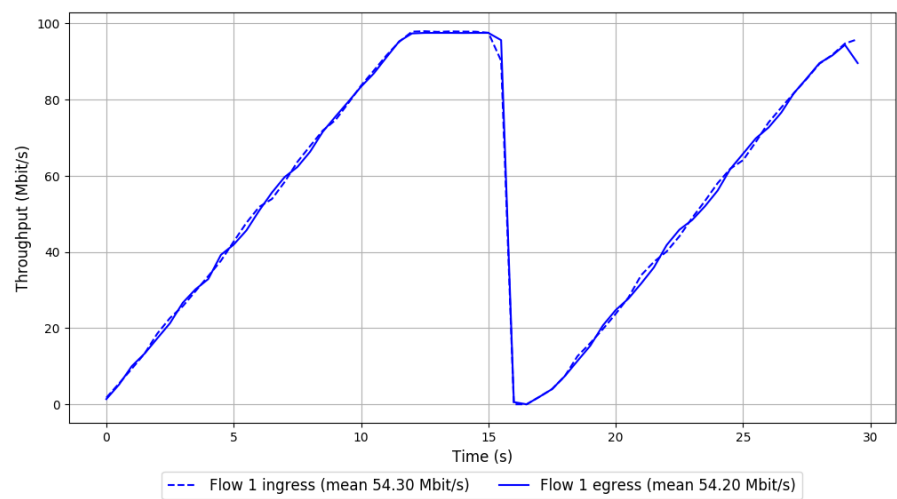


Run 4: Statistics of LEDBAT

Start at: 2018-02-12 22:55:53
End at: 2018-02-12 22:56:23
Local clock offset: 3.222 ms
Remote clock offset: -3.187 ms

Below is generated by plot.py at 2018-02-13 06:18:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 34.941 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 34.941 ms
Loss rate: 0.36%

Run 4: Report of LEDBAT — Data Link

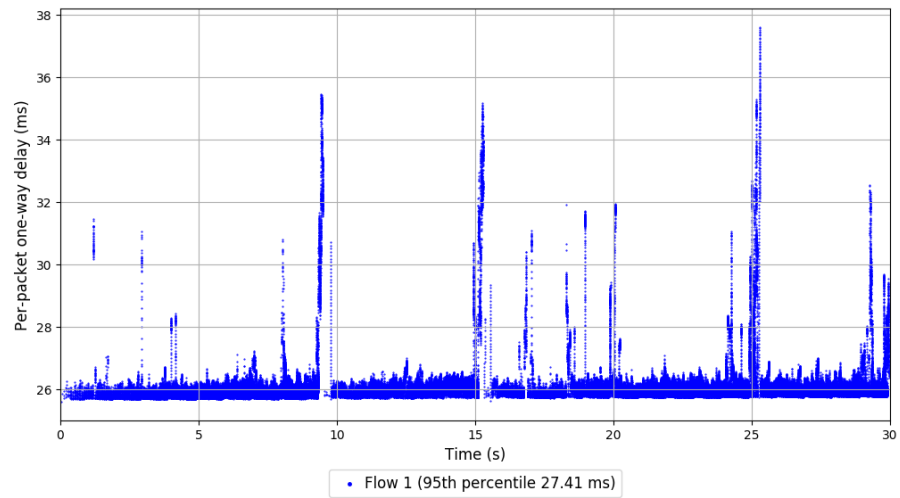
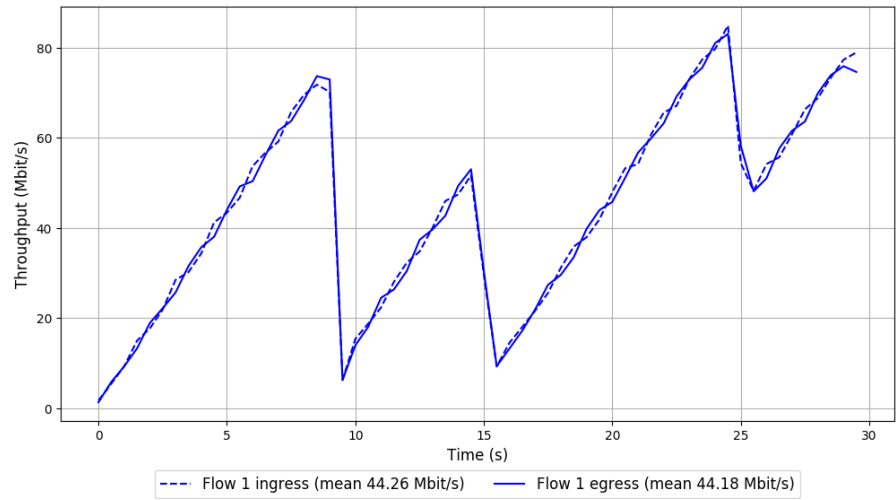


Run 5: Statistics of LEDBAT

Start at: 2018-02-12 23:19:52
End at: 2018-02-12 23:20:22
Local clock offset: 0.049 ms
Remote clock offset: -2.164 ms

Below is generated by plot.py at 2018-02-13 06:18:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.18 Mbit/s
95th percentile per-packet one-way delay: 27.409 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 44.18 Mbit/s
95th percentile per-packet one-way delay: 27.409 ms
Loss rate: 0.36%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-12 23:44:03

End at: 2018-02-12 23:44:33

Local clock offset: 0.104 ms

Remote clock offset: -1.57 ms

Below is generated by plot.py at 2018-02-13 06:18:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.23 Mbit/s

95th percentile per-packet one-way delay: 26.548 ms

Loss rate: 0.29%

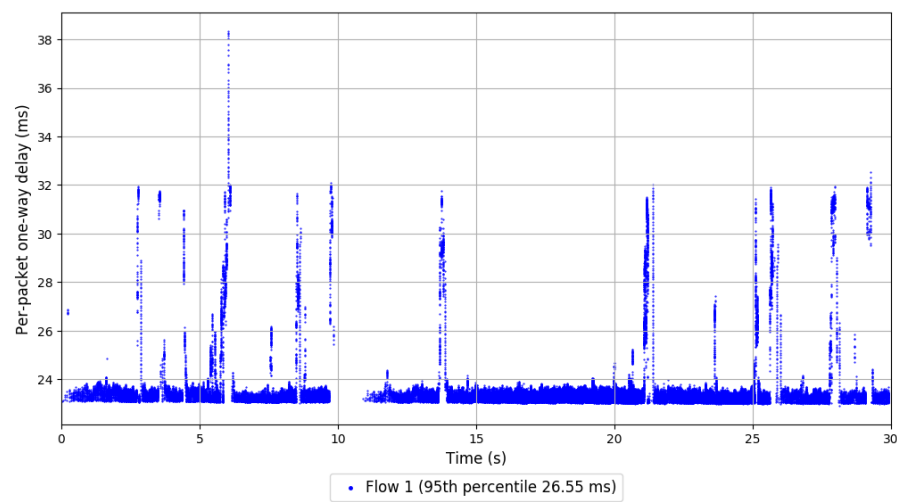
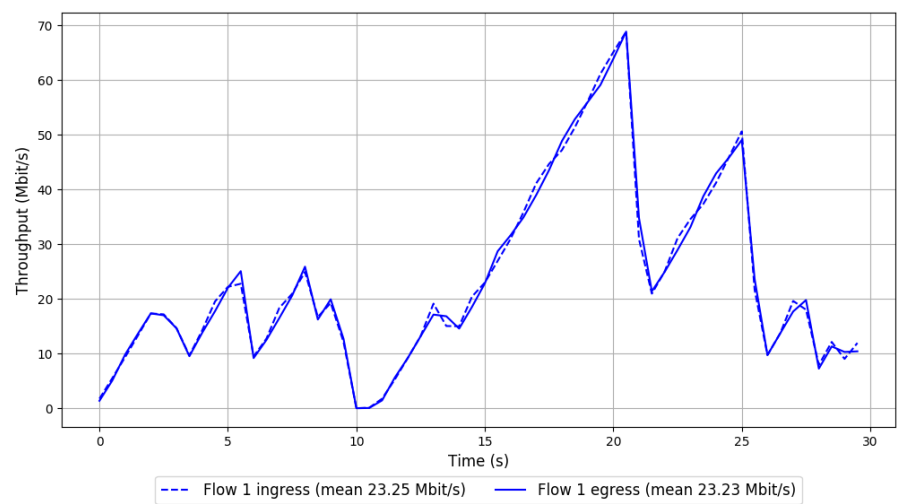
-- Flow 1:

Average throughput: 23.23 Mbit/s

95th percentile per-packet one-way delay: 26.548 ms

Loss rate: 0.29%

Run 6: Report of LEDBAT — Data Link

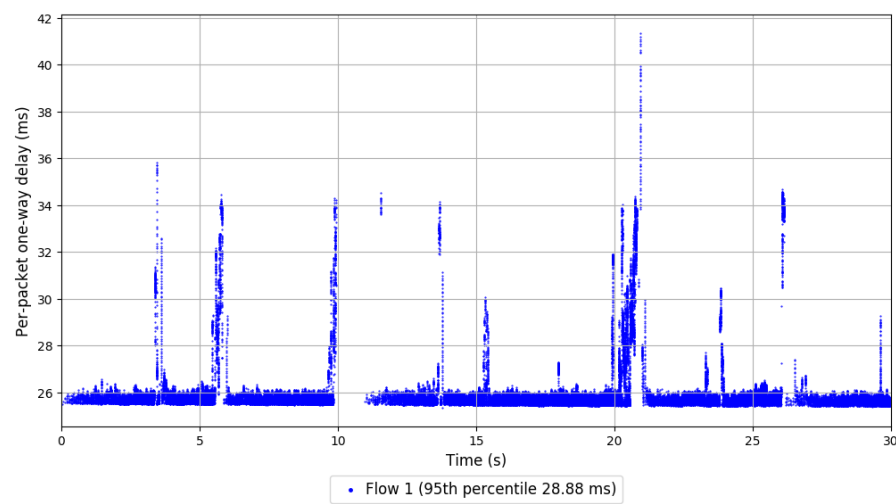
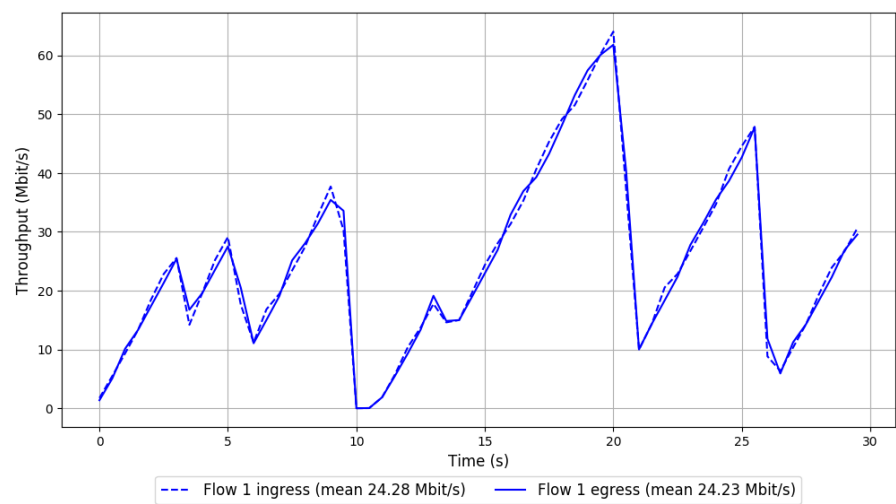


Run 7: Statistics of LEDBAT

Start at: 2018-02-13 00:08:44
End at: 2018-02-13 00:09:14
Local clock offset: 0.97 ms
Remote clock offset: -5.018 ms

Below is generated by plot.py at 2018-02-13 06:18:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 28.879 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 28.879 ms
Loss rate: 0.38%

Run 7: Report of LEDBAT — Data Link

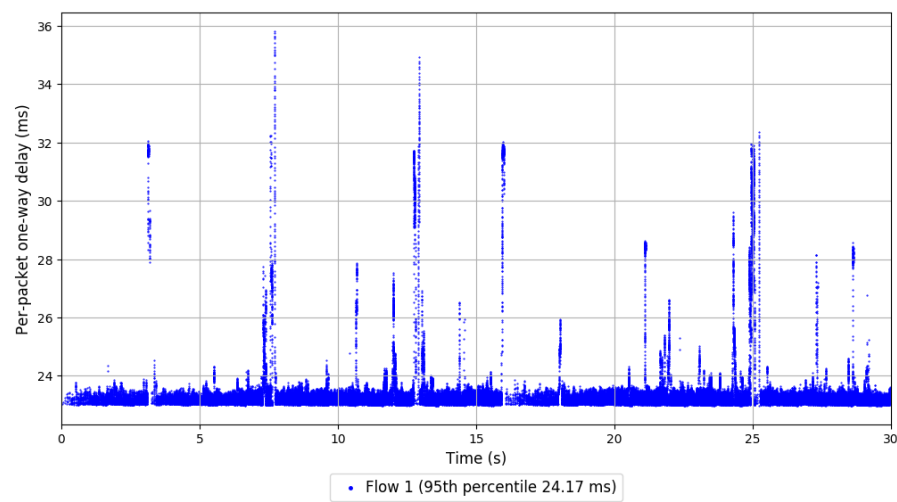
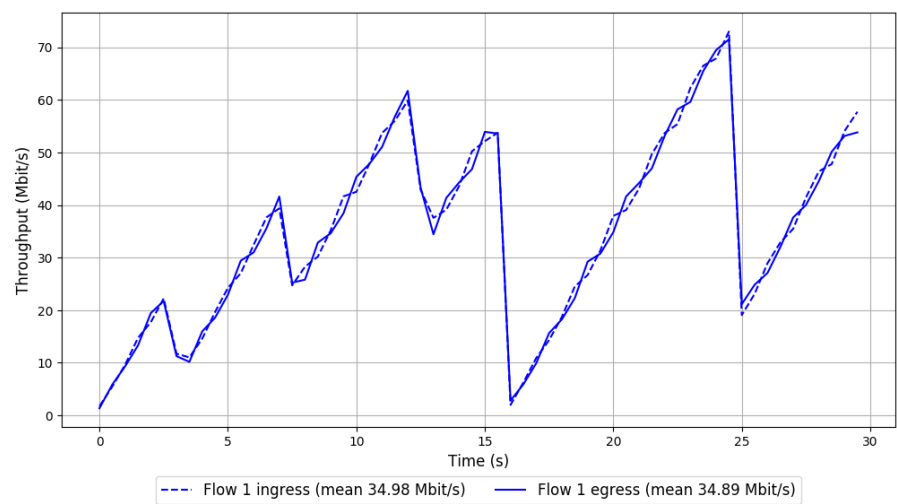


Run 8: Statistics of LEDBAT

Start at: 2018-02-13 00:33:09
End at: 2018-02-13 00:33:39
Local clock offset: -0.311 ms
Remote clock offset: -4.718 ms

Below is generated by plot.py at 2018-02-13 06:18:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 24.167 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 24.167 ms
Loss rate: 0.45%

Run 8: Report of LEDBAT — Data Link

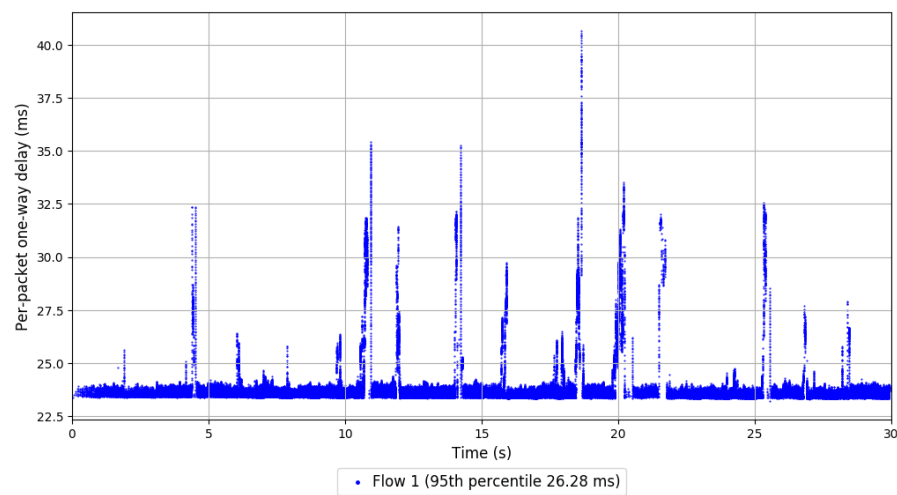
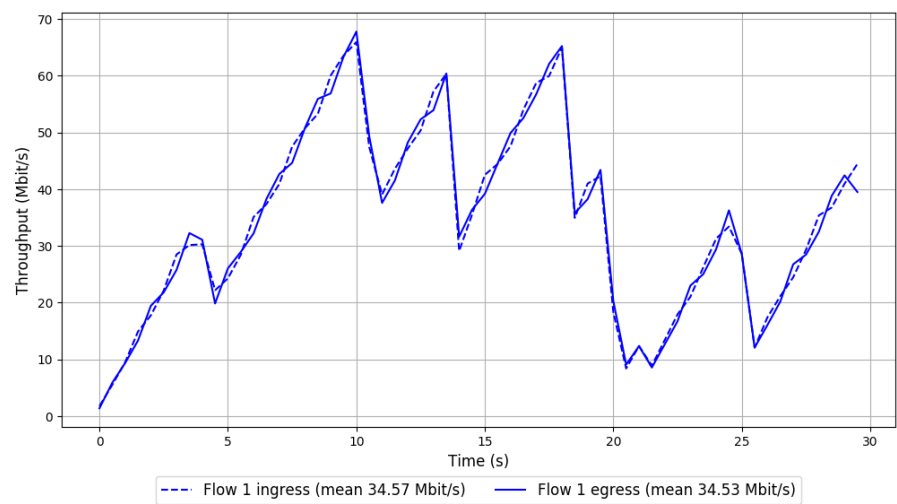


Run 9: Statistics of LEDBAT

Start at: 2018-02-13 00:57:22
End at: 2018-02-13 00:57:52
Local clock offset: 1.738 ms
Remote clock offset: -5.341 ms

Below is generated by plot.py at 2018-02-13 06:18:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 26.280 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 26.280 ms
Loss rate: 0.31%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-13 01:21:33

End at: 2018-02-13 01:22:03

Local clock offset: 3.1 ms

Remote clock offset: -9.381 ms

Below is generated by plot.py at 2018-02-13 06:18:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.14 Mbit/s

95th percentile per-packet one-way delay: 29.713 ms

Loss rate: 0.29%

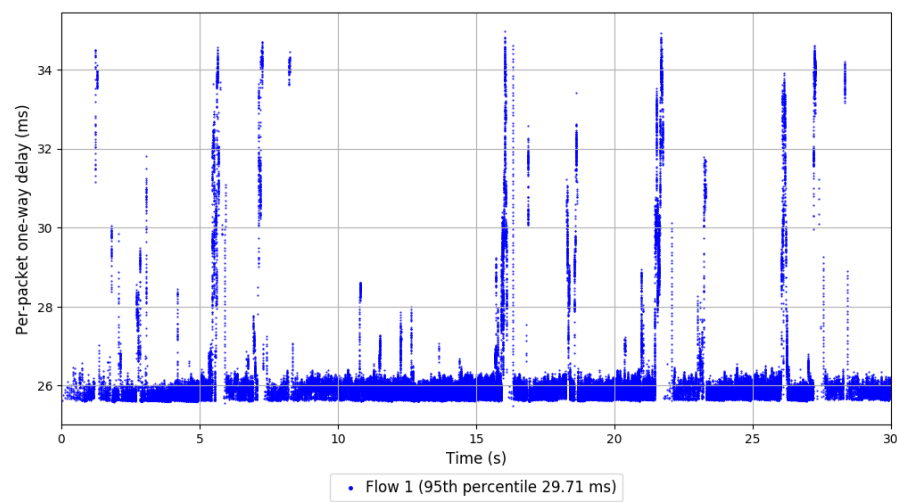
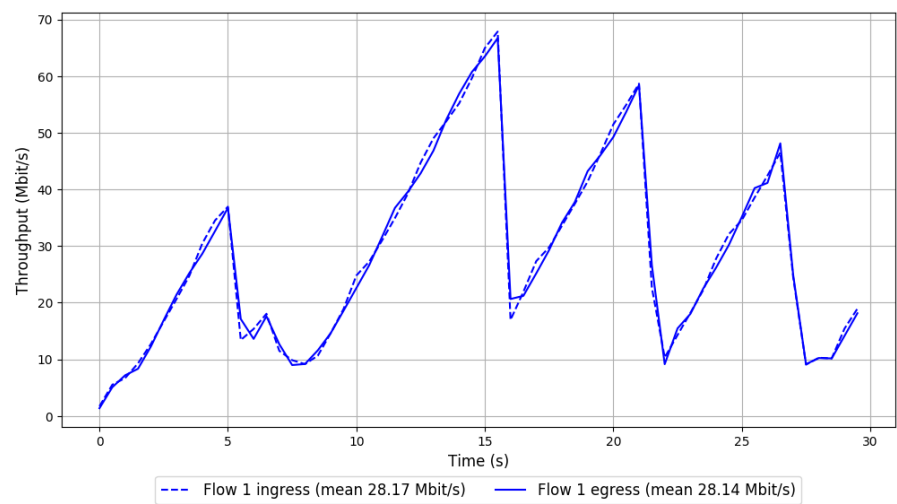
-- Flow 1:

Average throughput: 28.14 Mbit/s

95th percentile per-packet one-way delay: 29.713 ms

Loss rate: 0.29%

Run 10: Report of LEDBAT — Data Link

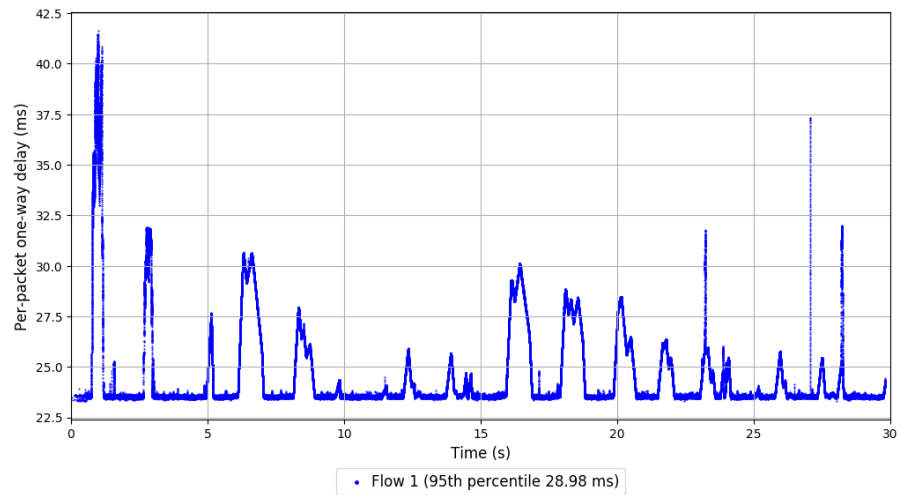
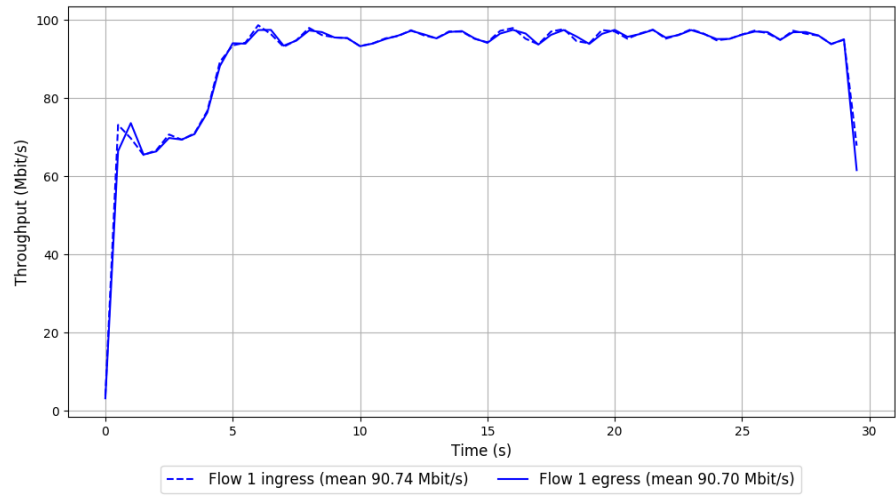


Run 1: Statistics of PCC

Start at: 2018-02-12 21:50:23
End at: 2018-02-12 21:50:53
Local clock offset: 4.916 ms
Remote clock offset: -4.311 ms

Below is generated by plot.py at 2018-02-13 06:19:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.70 Mbit/s
95th percentile per-packet one-way delay: 28.976 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 90.70 Mbit/s
95th percentile per-packet one-way delay: 28.976 ms
Loss rate: 0.22%

Run 1: Report of PCC — Data Link

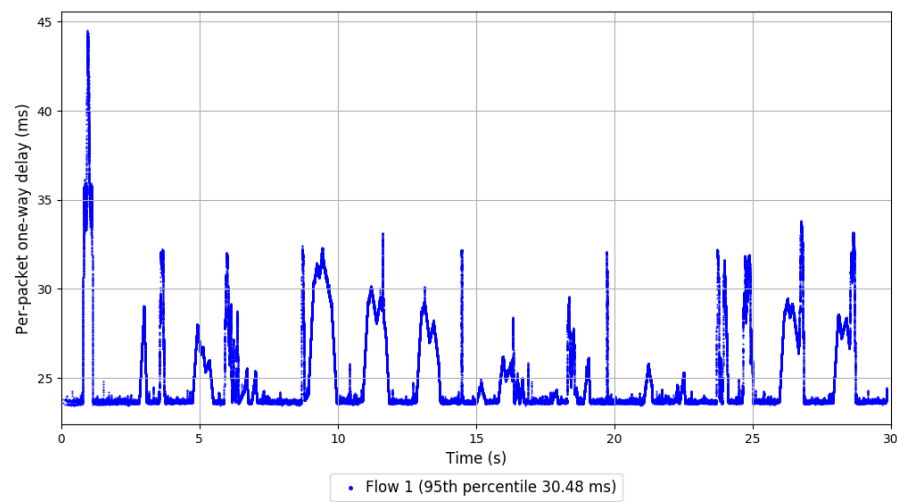
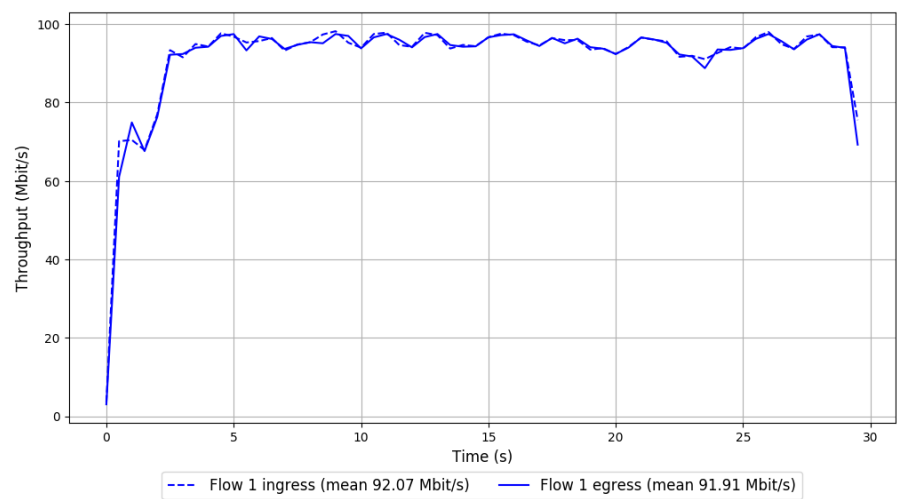


Run 2: Statistics of PCC

Start at: 2018-02-12 22:14:20
End at: 2018-02-12 22:14:50
Local clock offset: 1.968 ms
Remote clock offset: -4.304 ms

Below is generated by plot.py at 2018-02-13 06:20:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 30.480 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 30.480 ms
Loss rate: 0.35%

Run 2: Report of PCC — Data Link

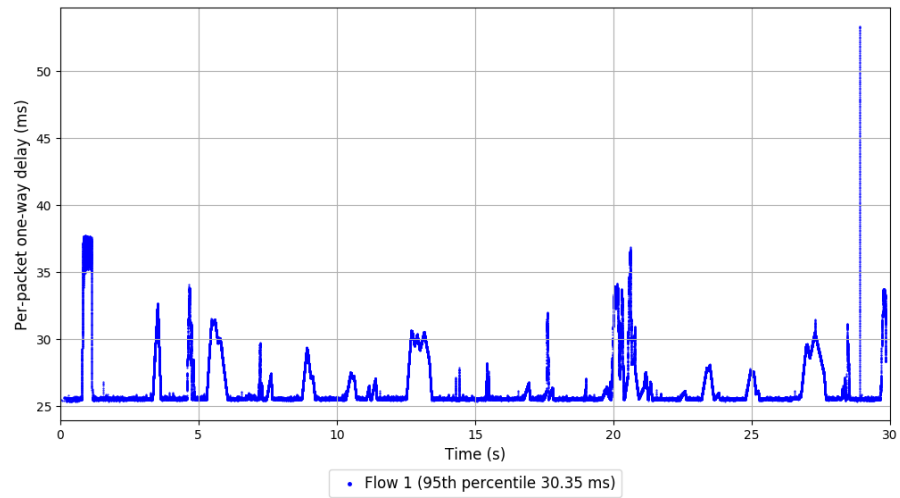
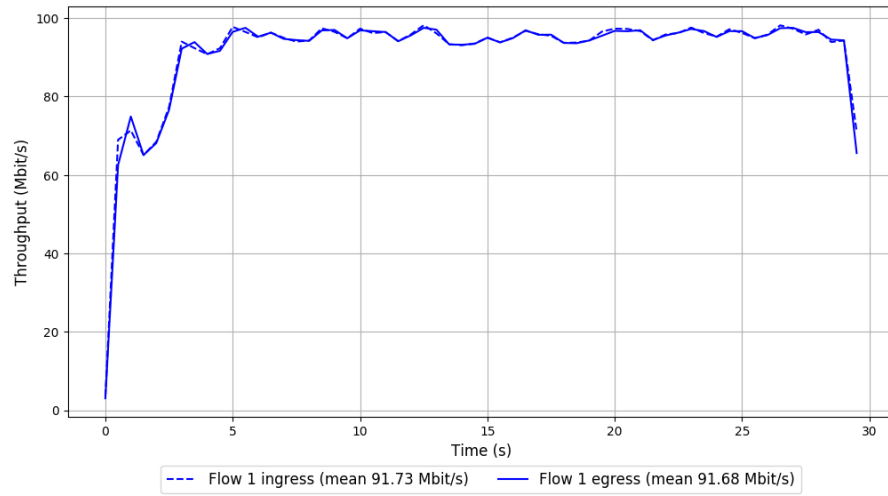


Run 3: Statistics of PCC

Start at: 2018-02-12 22:38:29
End at: 2018-02-12 22:38:59
Local clock offset: 2.391 ms
Remote clock offset: -5.862 ms

Below is generated by plot.py at 2018-02-13 06:20:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 30.354 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 30.354 ms
Loss rate: 0.23%

Run 3: Report of PCC — Data Link

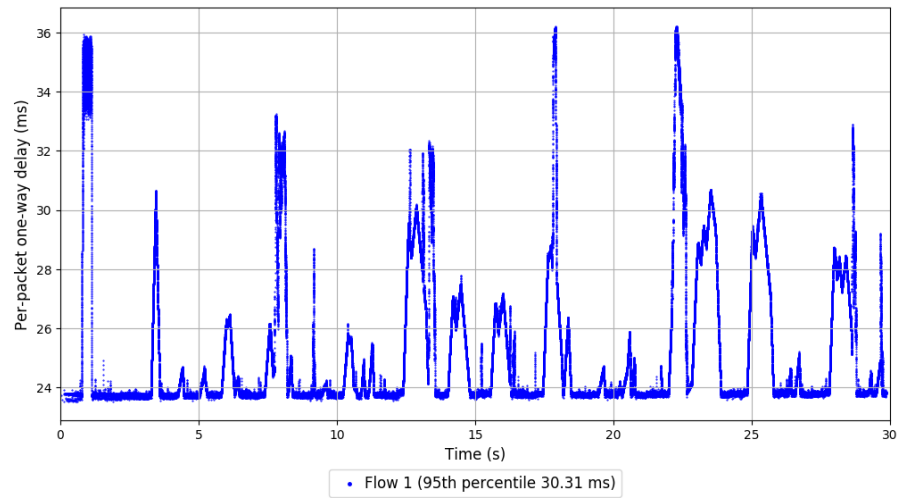
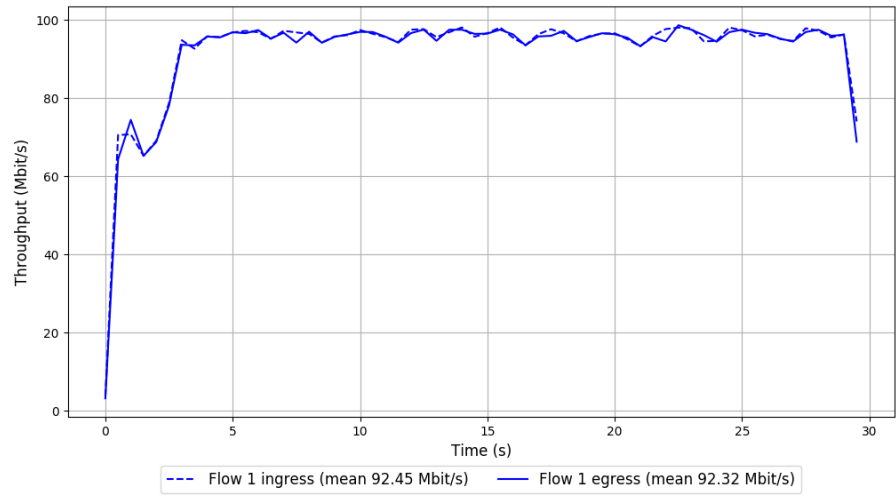


Run 4: Statistics of PCC

Start at: 2018-02-12 23:02:31
End at: 2018-02-12 23:03:01
Local clock offset: 3.41 ms
Remote clock offset: -2.548 ms

Below is generated by plot.py at 2018-02-13 06:20:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 30.309 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 30.309 ms
Loss rate: 0.31%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-12 23:26:36

End at: 2018-02-12 23:27:06

Local clock offset: -0.438 ms

Remote clock offset: 0.519 ms

Below is generated by plot.py at 2018-02-13 06:20:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.93 Mbit/s

95th percentile per-packet one-way delay: 28.706 ms

Loss rate: 0.32%

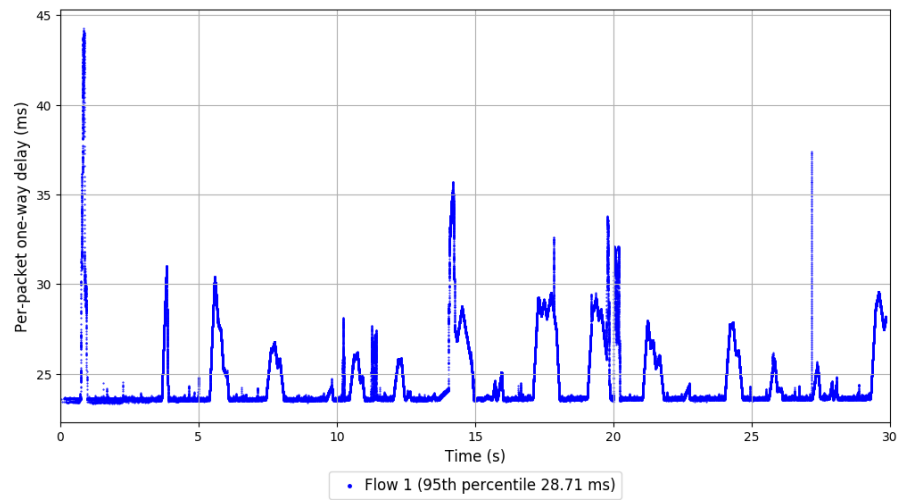
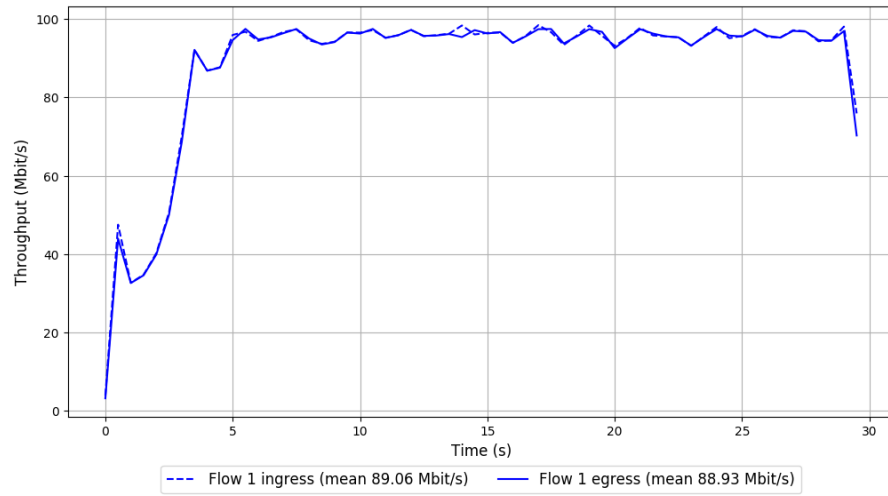
-- Flow 1:

Average throughput: 88.93 Mbit/s

95th percentile per-packet one-way delay: 28.706 ms

Loss rate: 0.32%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-12 23:50:41

End at: 2018-02-12 23:51:11

Local clock offset: 0.555 ms

Remote clock offset: -4.41 ms

Below is generated by plot.py at 2018-02-13 06:20:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.38 Mbit/s

95th percentile per-packet one-way delay: 36.904 ms

Loss rate: 0.37%

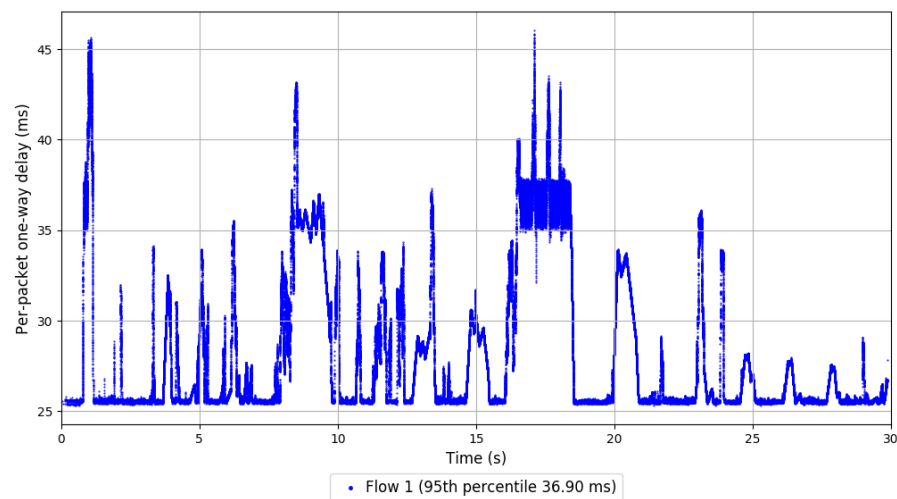
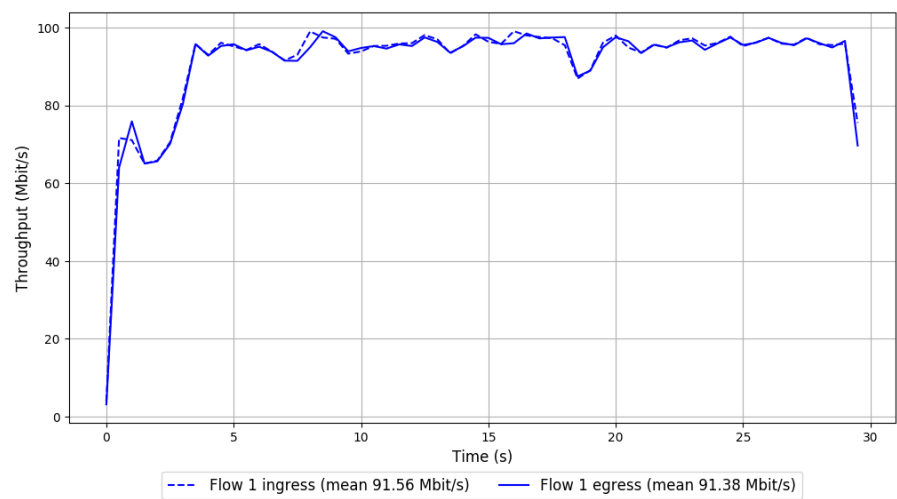
-- Flow 1:

Average throughput: 91.38 Mbit/s

95th percentile per-packet one-way delay: 36.904 ms

Loss rate: 0.37%

Run 6: Report of PCC — Data Link

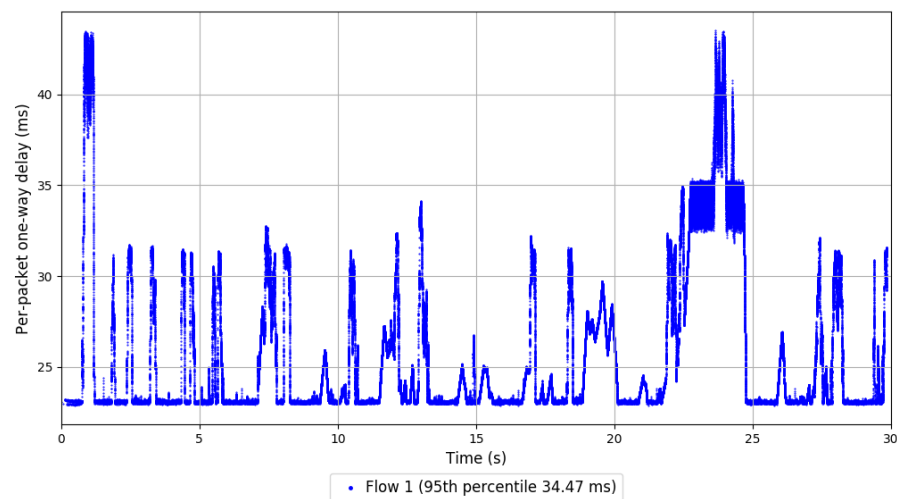
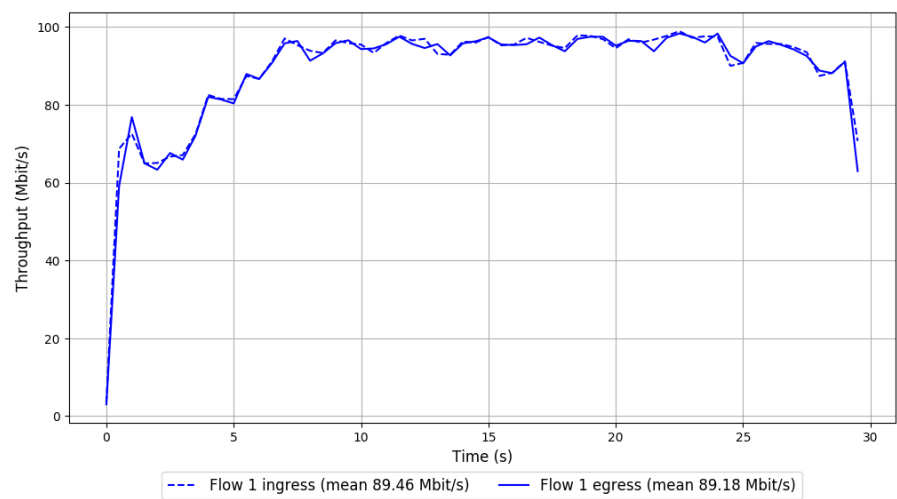


Run 7: Statistics of PCC

Start at: 2018-02-13 00:15:22
End at: 2018-02-13 00:15:52
Local clock offset: 0.5 ms
Remote clock offset: -3.669 ms

Below is generated by plot.py at 2018-02-13 06:20:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 34.466 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 34.466 ms
Loss rate: 0.49%

Run 7: Report of PCC — Data Link

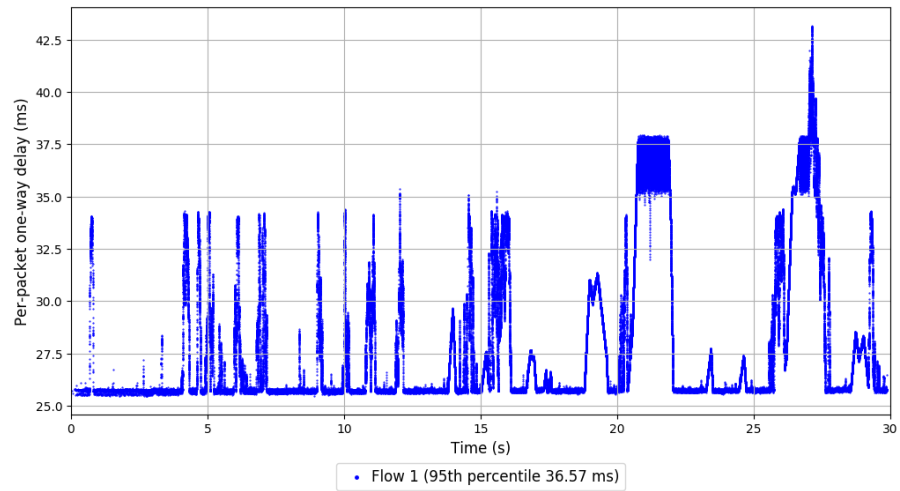
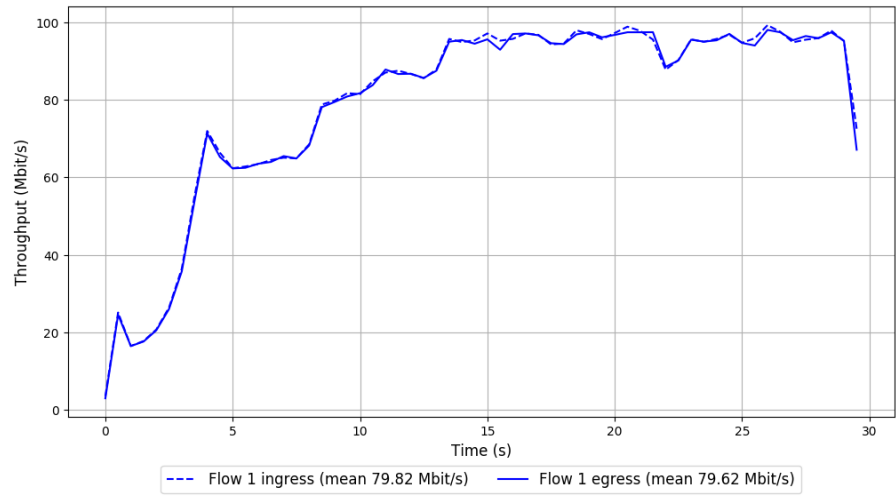


Run 8: Statistics of PCC

Start at: 2018-02-13 00:39:51
End at: 2018-02-13 00:40:21
Local clock offset: -0.503 ms
Remote clock offset: -7.684 ms

Below is generated by plot.py at 2018-02-13 06:20:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.62 Mbit/s
95th percentile per-packet one-way delay: 36.573 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 79.62 Mbit/s
95th percentile per-packet one-way delay: 36.573 ms
Loss rate: 0.43%

Run 8: Report of PCC — Data Link

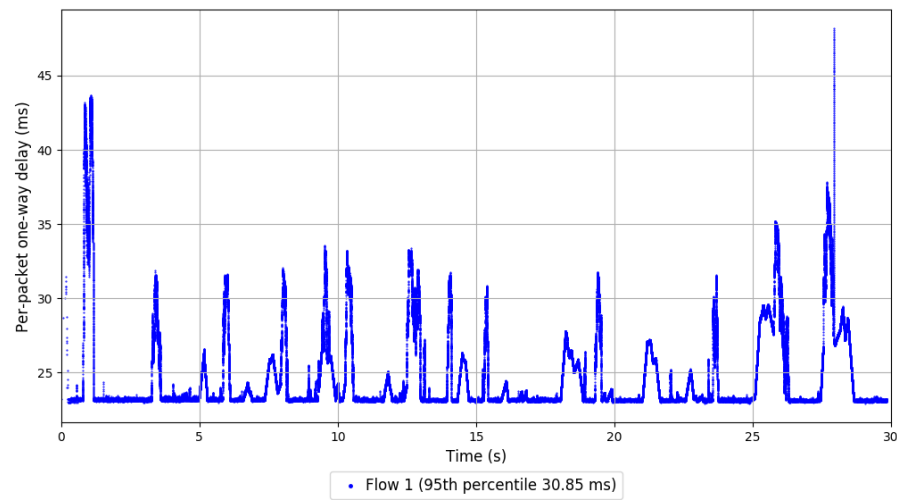
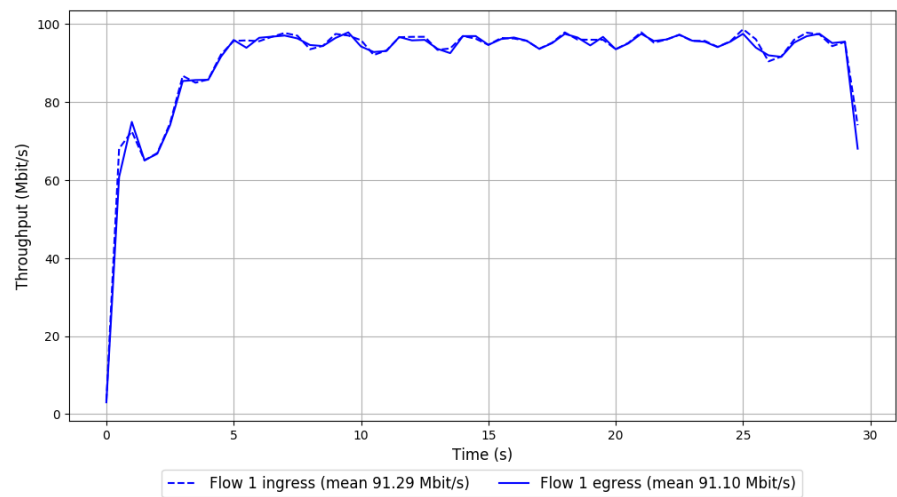


Run 9: Statistics of PCC

Start at: 2018-02-13 01:04:08
End at: 2018-02-13 01:04:38
Local clock offset: 2.514 ms
Remote clock offset: -5.371 ms

Below is generated by plot.py at 2018-02-13 06:21:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 30.847 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 30.847 ms
Loss rate: 0.38%

Run 9: Report of PCC — Data Link

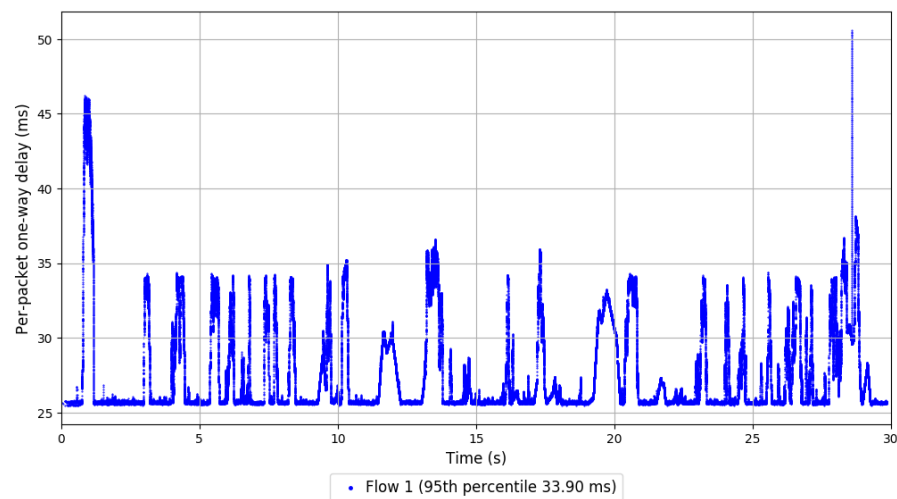
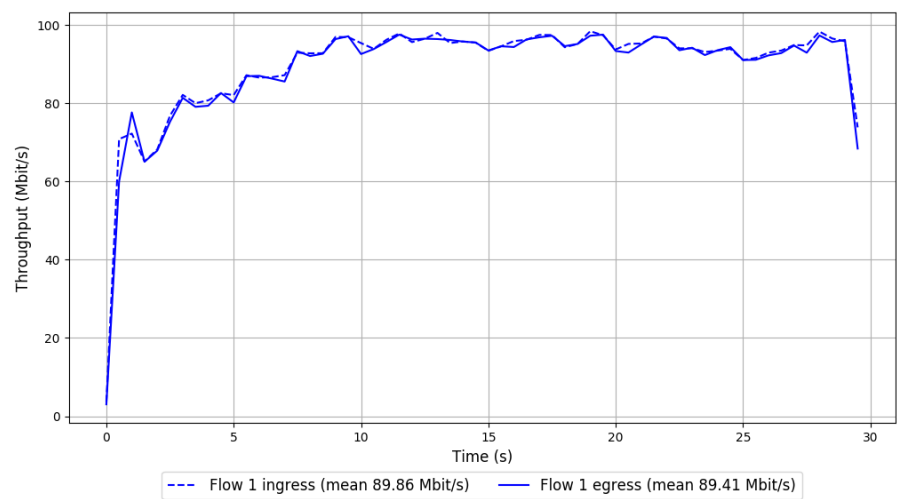


Run 10: Statistics of PCC

Start at: 2018-02-13 01:28:20
End at: 2018-02-13 01:28:50
Local clock offset: 2.325 ms
Remote clock offset: -10.188 ms

Below is generated by plot.py at 2018-02-13 06:21:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.41 Mbit/s
95th percentile per-packet one-way delay: 33.899 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 89.41 Mbit/s
95th percentile per-packet one-way delay: 33.899 ms
Loss rate: 0.67%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

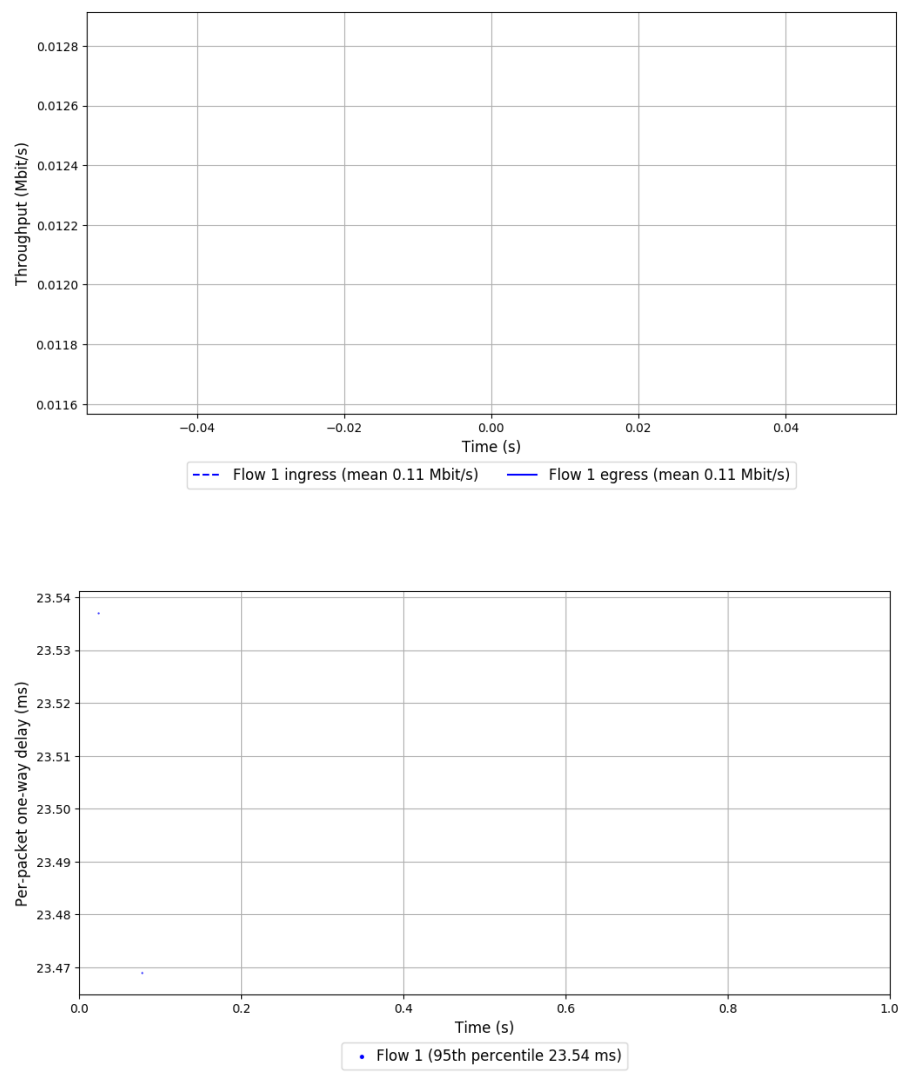
Start at: 2018-02-12 21:53:04

End at: 2018-02-12 21:53:34

Local clock offset: 5.019 ms

Remote clock offset: -4.296 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-12 22:17:04

End at: 2018-02-12 22:17:34

Local clock offset: 1.791 ms

Remote clock offset: -3.95 ms

Below is generated by plot.py at 2018-02-13 06:21:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.50 Mbit/s

95th percentile per-packet one-way delay: 34.709 ms

Loss rate: 0.34%

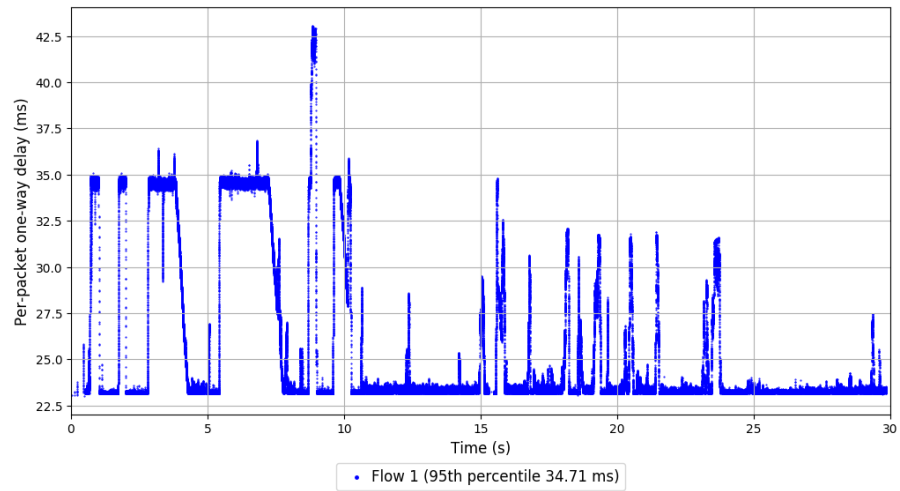
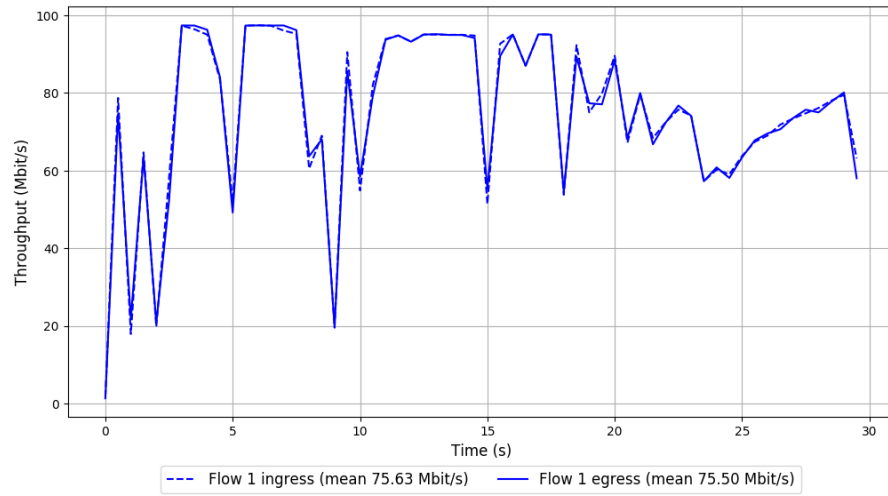
-- Flow 1:

Average throughput: 75.50 Mbit/s

95th percentile per-packet one-way delay: 34.709 ms

Loss rate: 0.34%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-12 22:41:10

End at: 2018-02-12 22:41:40

Local clock offset: 2.57 ms

Remote clock offset: -3.308 ms

Below is generated by plot.py at 2018-02-13 06:21:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.32 Mbit/s

95th percentile per-packet one-way delay: 34.602 ms

Loss rate: 0.24%

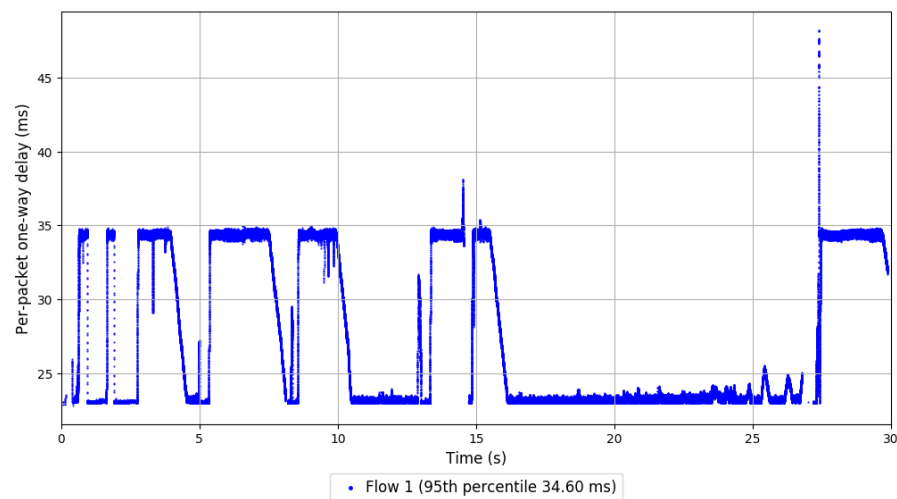
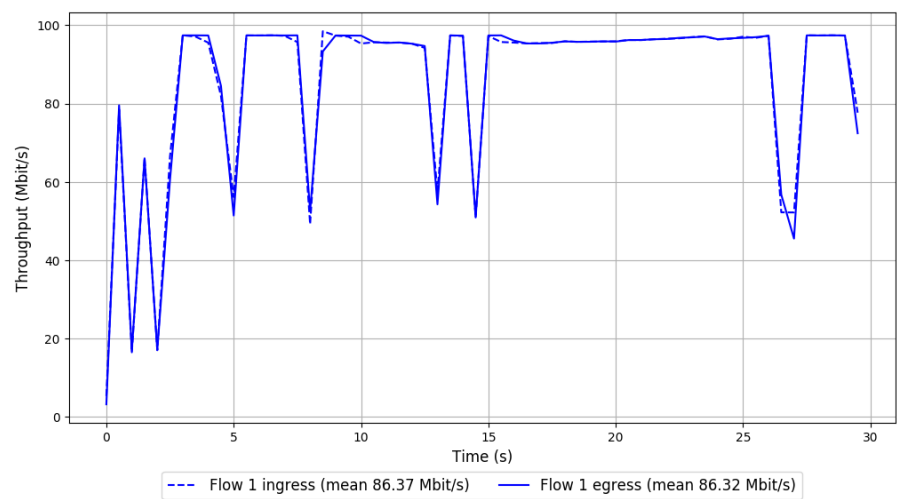
-- Flow 1:

Average throughput: 86.32 Mbit/s

95th percentile per-packet one-way delay: 34.602 ms

Loss rate: 0.24%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-12 23:05:12

End at: 2018-02-12 23:05:42

Local clock offset: 2.737 ms

Remote clock offset: -1.983 ms

Below is generated by plot.py at 2018-02-13 06:21:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.18 Mbit/s

95th percentile per-packet one-way delay: 35.009 ms

Loss rate: 0.25%

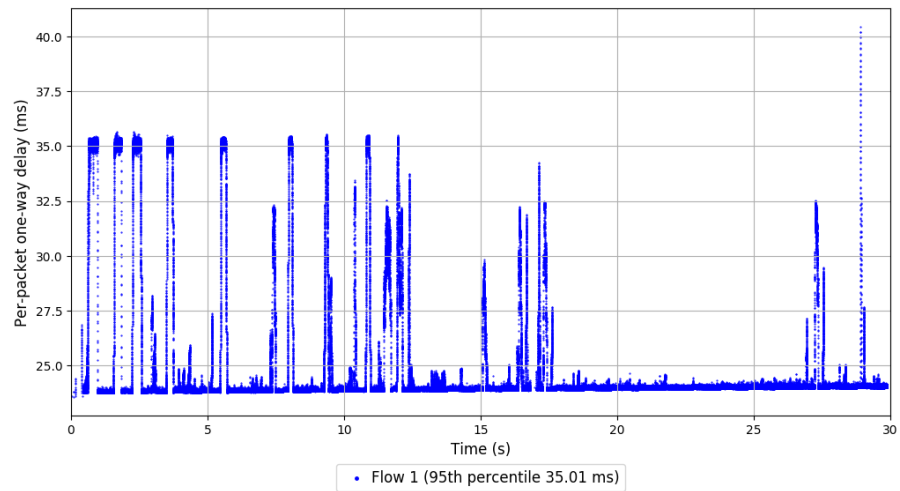
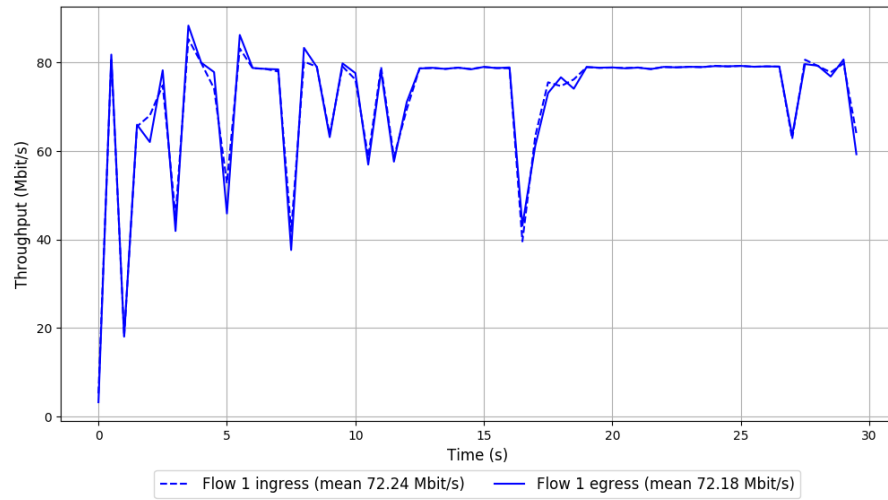
-- Flow 1:

Average throughput: 72.18 Mbit/s

95th percentile per-packet one-way delay: 35.009 ms

Loss rate: 0.25%

Run 4: Report of QUIC Cubic — Data Link

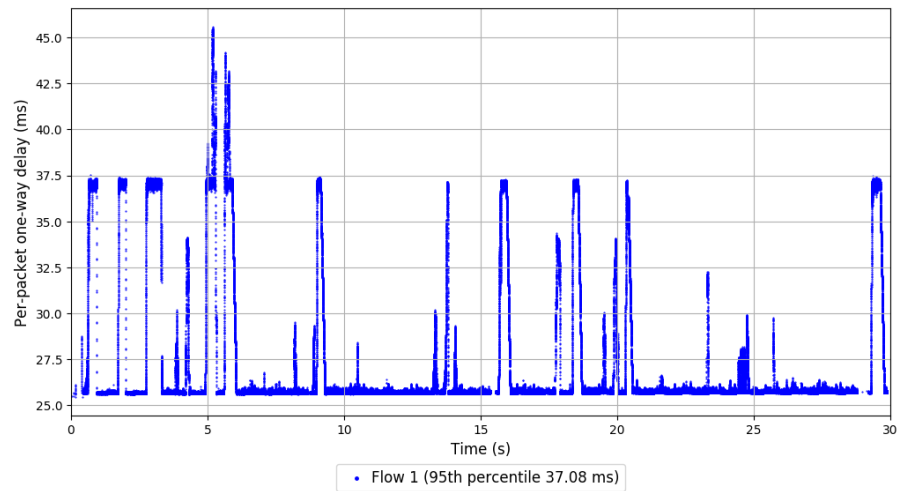
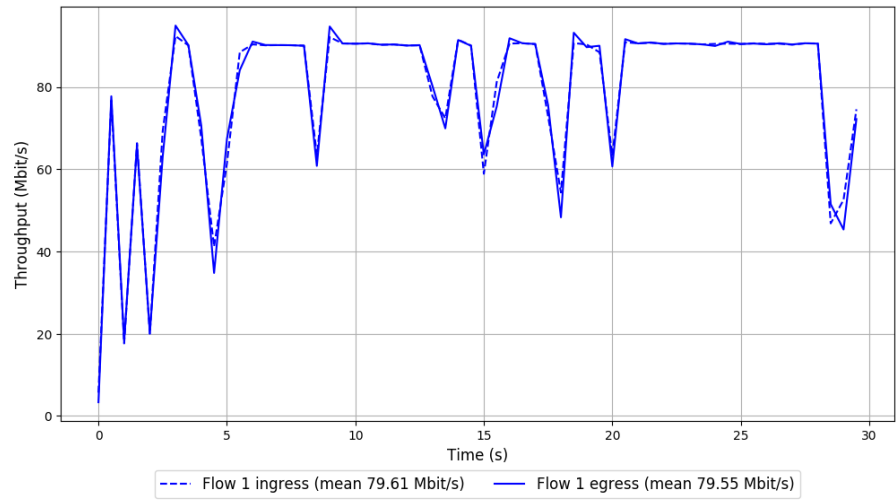


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-12 23:29:21
End at: 2018-02-12 23:29:51
Local clock offset: -0.543 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2018-02-13 06:21:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 37.075 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 37.075 ms
Loss rate: 0.26%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-12 23:53:29

End at: 2018-02-12 23:53:59

Local clock offset: 0.613 ms

Remote clock offset: -2.316 ms

Below is generated by plot.py at 2018-02-13 06:21:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.76 Mbit/s

95th percentile per-packet one-way delay: 28.332 ms

Loss rate: 0.37%

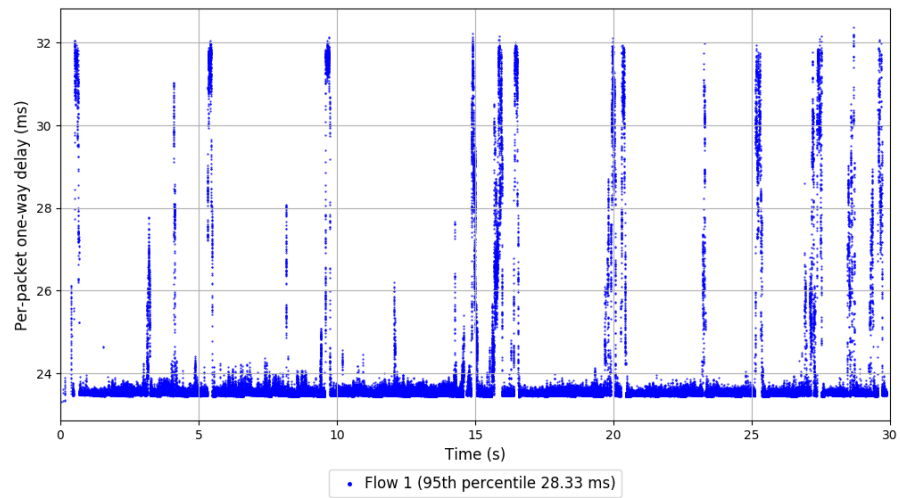
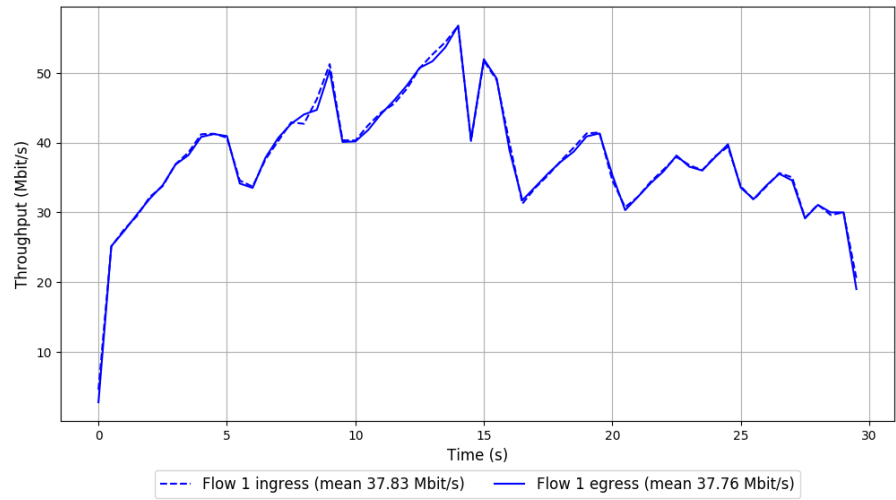
-- Flow 1:

Average throughput: 37.76 Mbit/s

95th percentile per-packet one-way delay: 28.332 ms

Loss rate: 0.37%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-13 00:18:06

End at: 2018-02-13 00:18:36

Local clock offset: 0.334 ms

Remote clock offset: -3.857 ms

Below is generated by plot.py at 2018-02-13 06:21:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.49 Mbit/s

95th percentile per-packet one-way delay: 31.292 ms

Loss rate: 0.40%

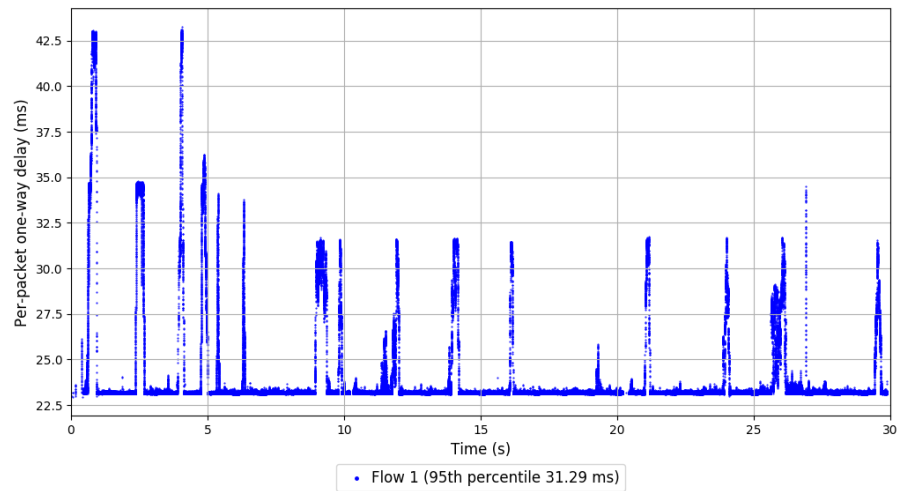
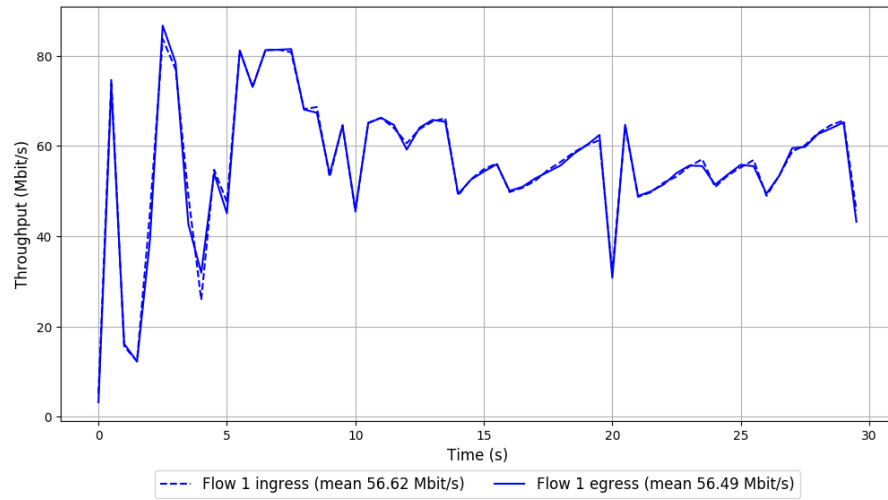
-- Flow 1:

Average throughput: 56.49 Mbit/s

95th percentile per-packet one-way delay: 31.292 ms

Loss rate: 0.40%

Run 7: Report of QUIC Cubic — Data Link

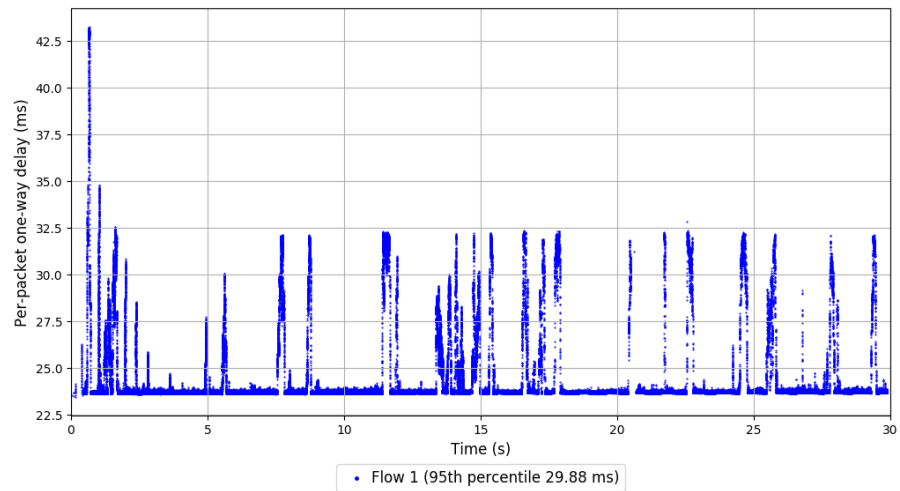
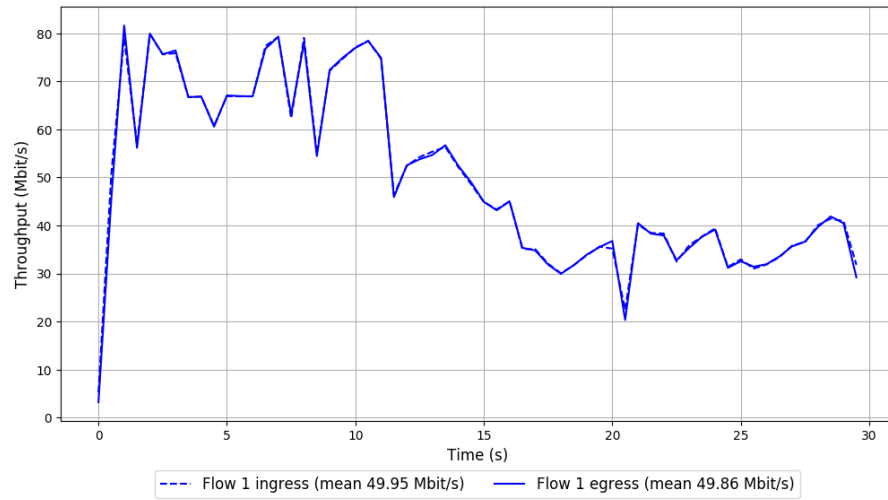


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-13 00:42:39
End at: 2018-02-13 00:43:10
Local clock offset: -0.554 ms
Remote clock offset: -5.388 ms

Below is generated by plot.py at 2018-02-13 06:21:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 29.881 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 29.881 ms
Loss rate: 0.36%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-13 01:06:48

End at: 2018-02-13 01:07:18

Local clock offset: 2.585 ms

Remote clock offset: -5.877 ms

Below is generated by plot.py at 2018-02-13 06:21:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.40 Mbit/s

95th percentile per-packet one-way delay: 25.888 ms

Loss rate: 0.42%

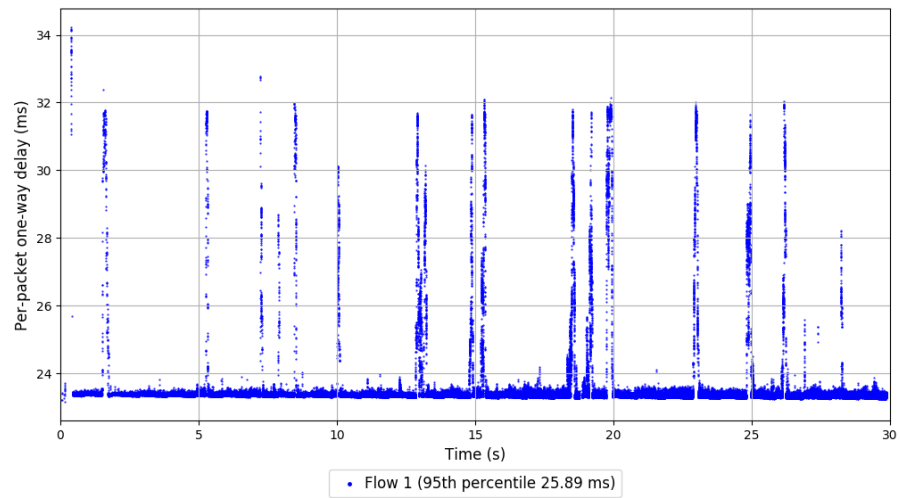
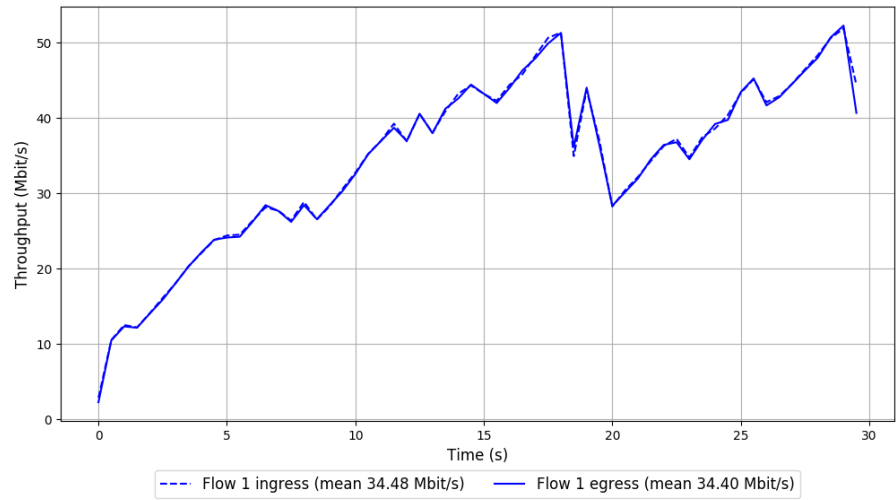
-- Flow 1:

Average throughput: 34.40 Mbit/s

95th percentile per-packet one-way delay: 25.888 ms

Loss rate: 0.42%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-13 01:31:04

End at: 2018-02-13 01:31:34

Local clock offset: 2.214 ms

Remote clock offset: -10.429 ms

Below is generated by plot.py at 2018-02-13 06:22:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.91 Mbit/s

95th percentile per-packet one-way delay: 32.004 ms

Loss rate: 0.37%

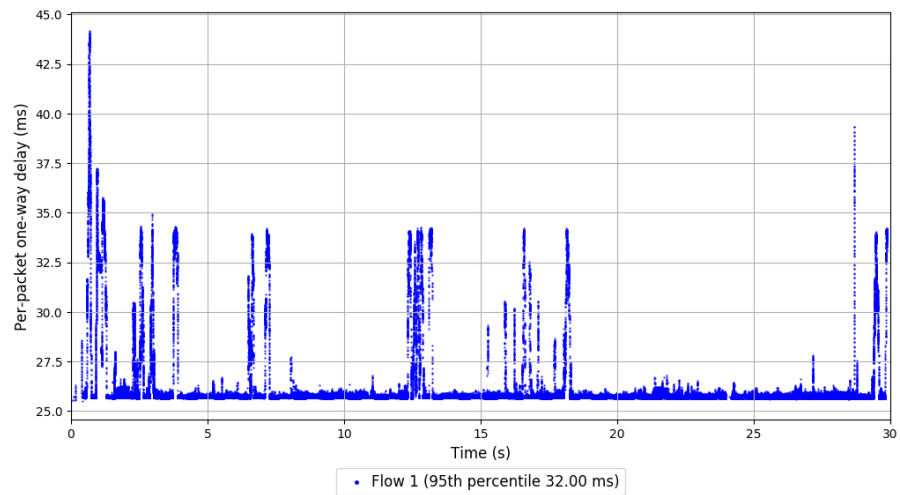
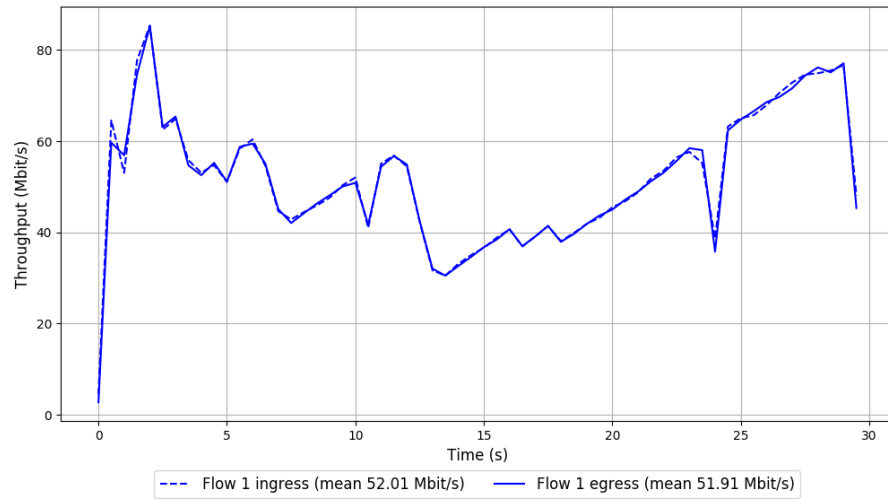
-- Flow 1:

Average throughput: 51.91 Mbit/s

95th percentile per-packet one-way delay: 32.004 ms

Loss rate: 0.37%

Run 10: Report of QUIC Cubic — Data Link

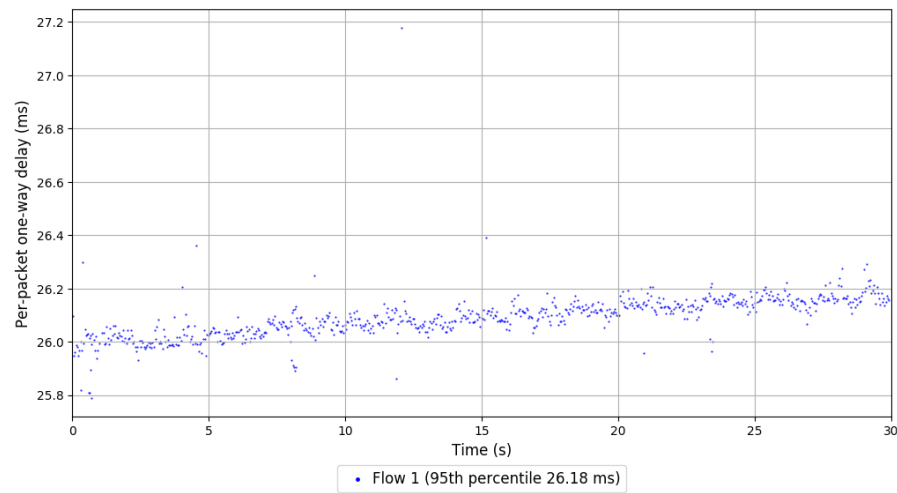
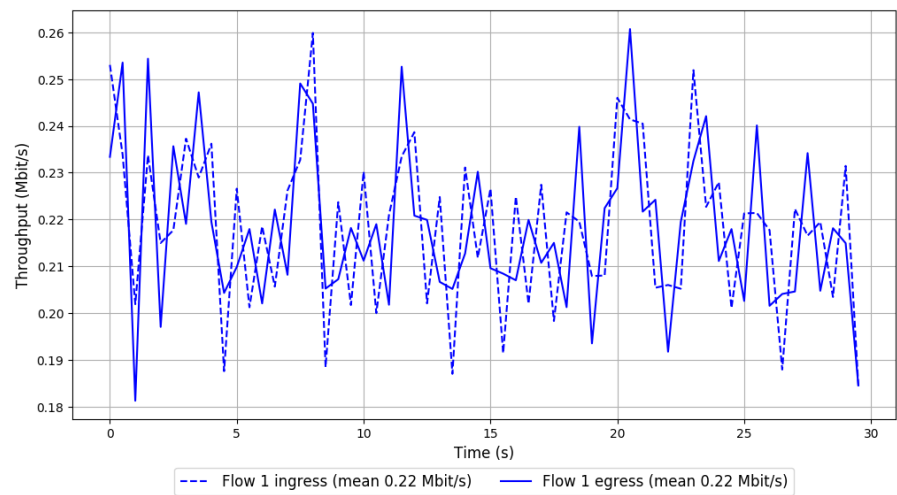


```
Run 1: Statistics of SCReAM

Start at: 2018-02-12 21:57:00
End at: 2018-02-12 21:57:30
Local clock offset: 4.635 ms
Remote clock offset: -6.216 ms

# Below is generated by plot.py at 2018-02-13 06:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.185 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.185 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link

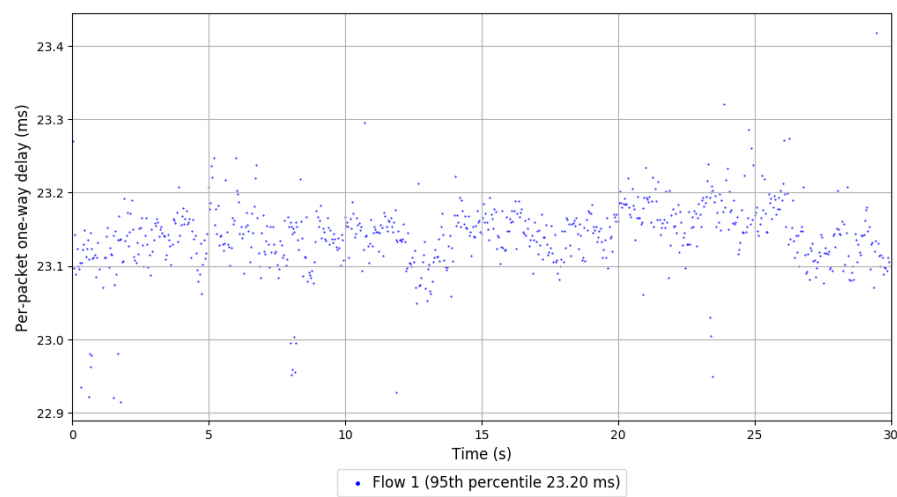
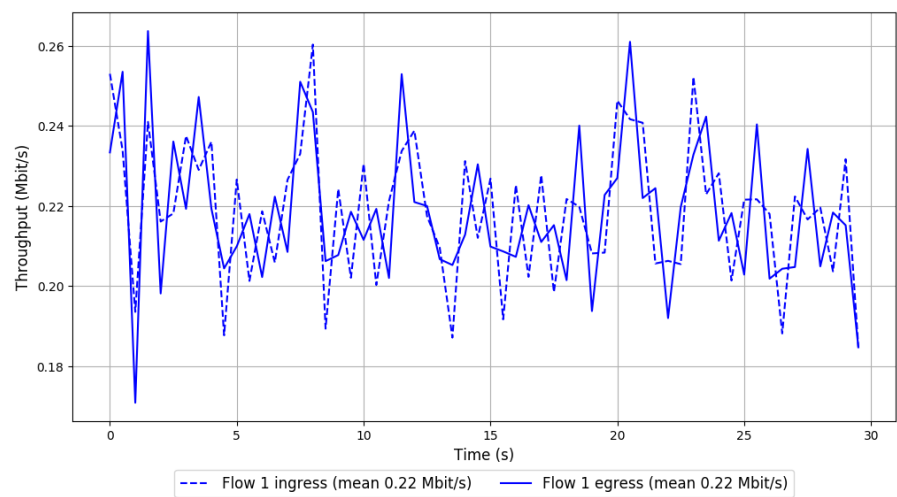


Run 2: Statistics of SCReAM

Start at: 2018-02-12 22:21:09
End at: 2018-02-12 22:21:39
Local clock offset: 1.675 ms
Remote clock offset: -3.912 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.203 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.203 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

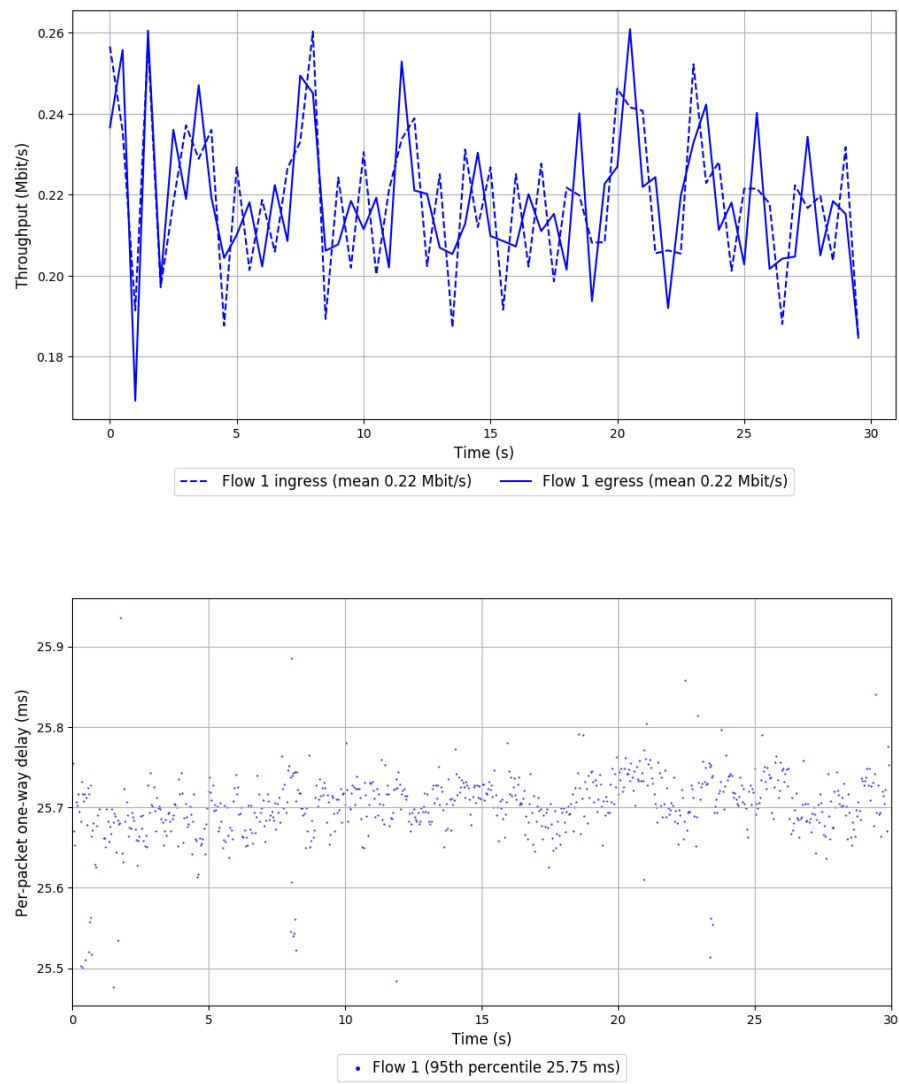


Run 3: Statistics of SCReAM

Start at: 2018-02-12 22:45:14
End at: 2018-02-12 22:45:44
Local clock offset: 2.832 ms
Remote clock offset: -5.852 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.751 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.751 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

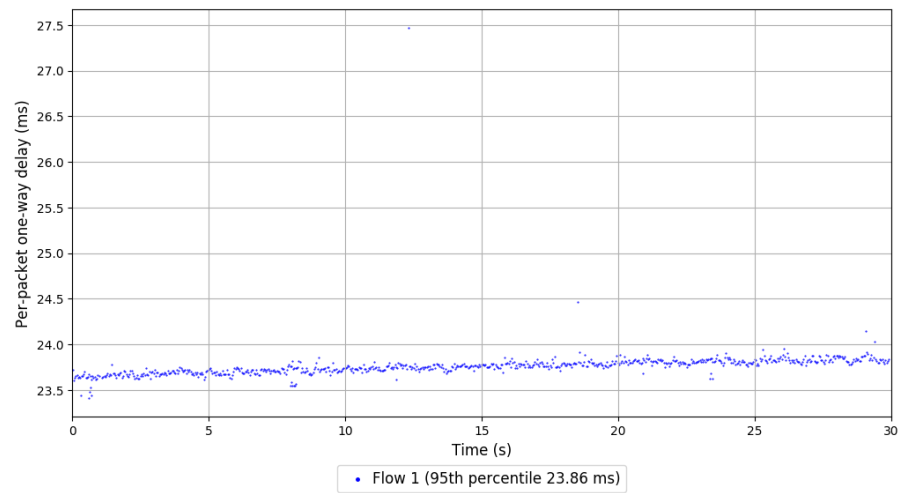
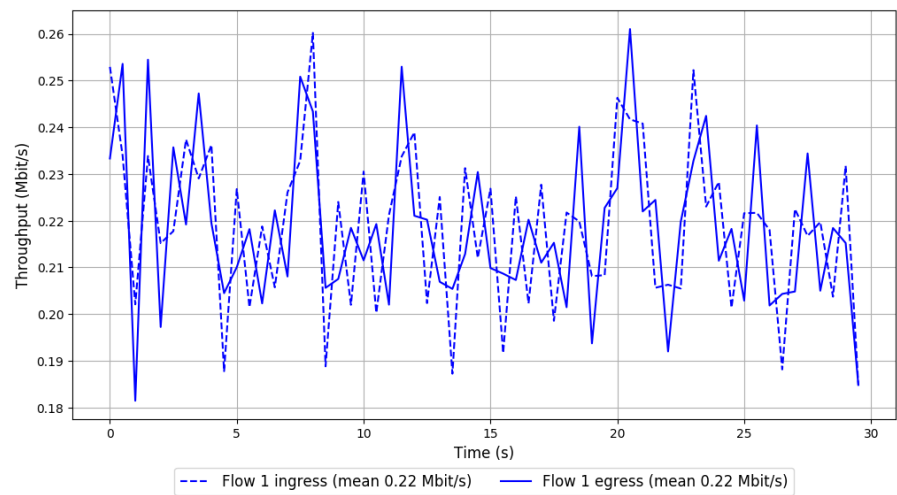


Run 4: Statistics of SCReAM

Start at: 2018-02-12 23:09:13
End at: 2018-02-12 23:09:43
Local clock offset: 1.537 ms
Remote clock offset: -1.394 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.865 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.865 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-12 23:33:24

End at: 2018-02-12 23:33:54

Local clock offset: -0.726 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-02-13 06:22:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.580 ms

Loss rate: 0.13%

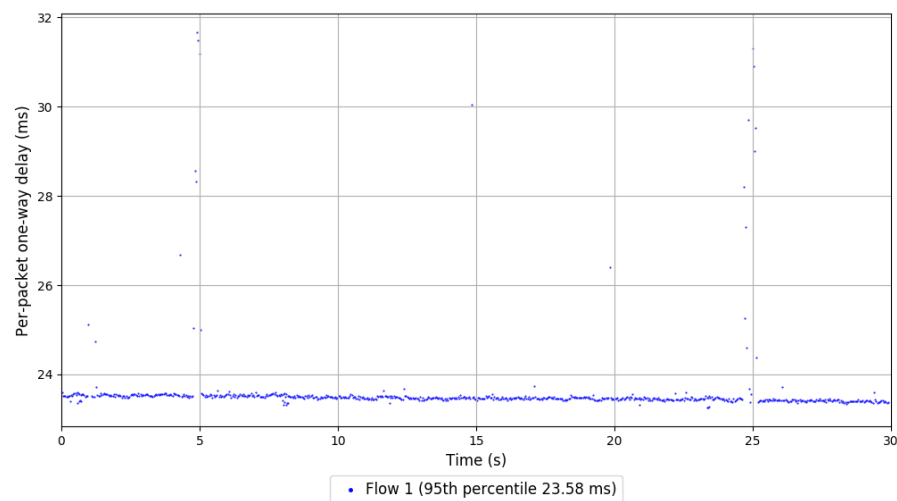
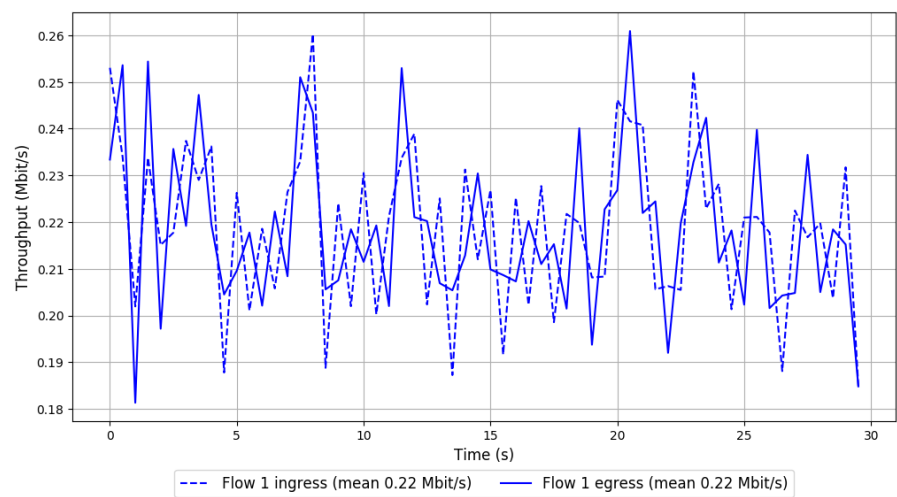
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.580 ms

Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

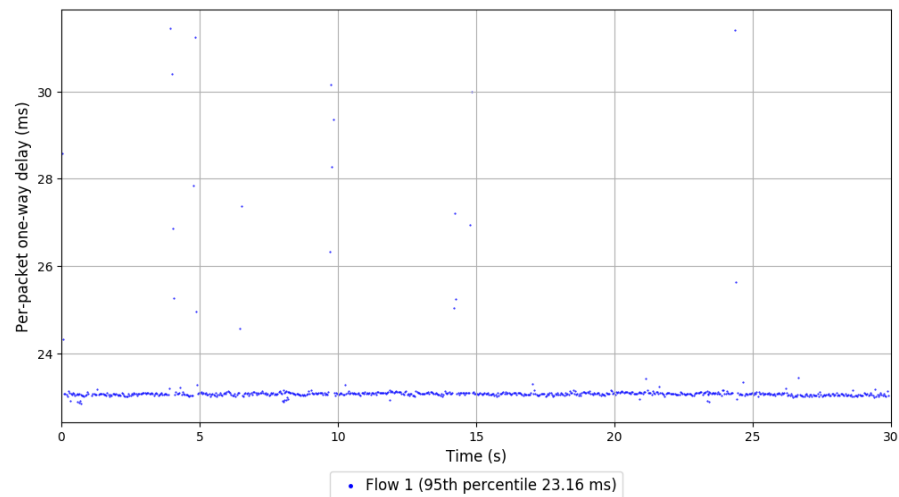
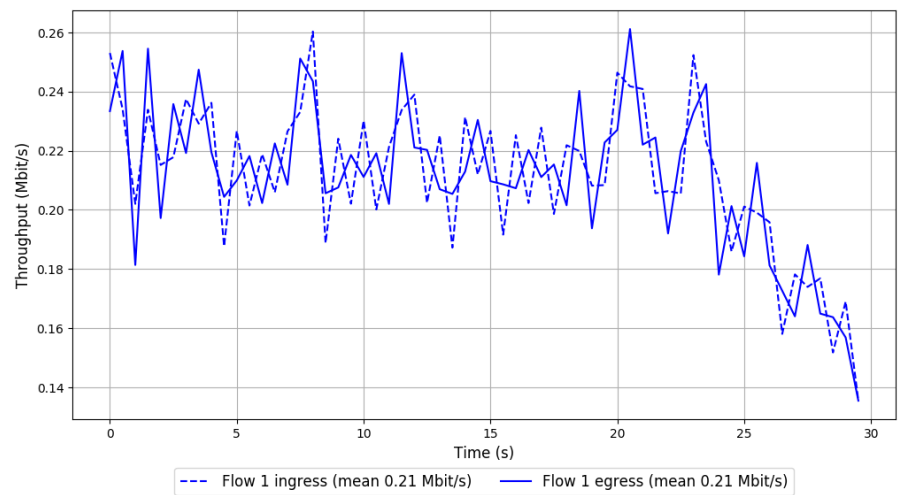


Run 6: Statistics of SCReAM

Start at: 2018-02-12 23:57:40
End at: 2018-02-12 23:58:10
Local clock offset: 0.73 ms
Remote clock offset: -1.825 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 23.155 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 23.155 ms
Loss rate: 0.23%

Run 6: Report of SReAM — Data Link

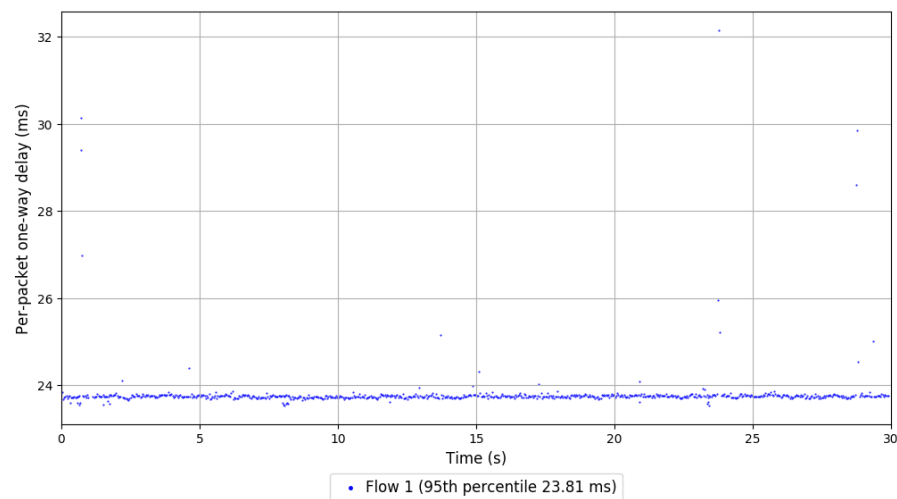
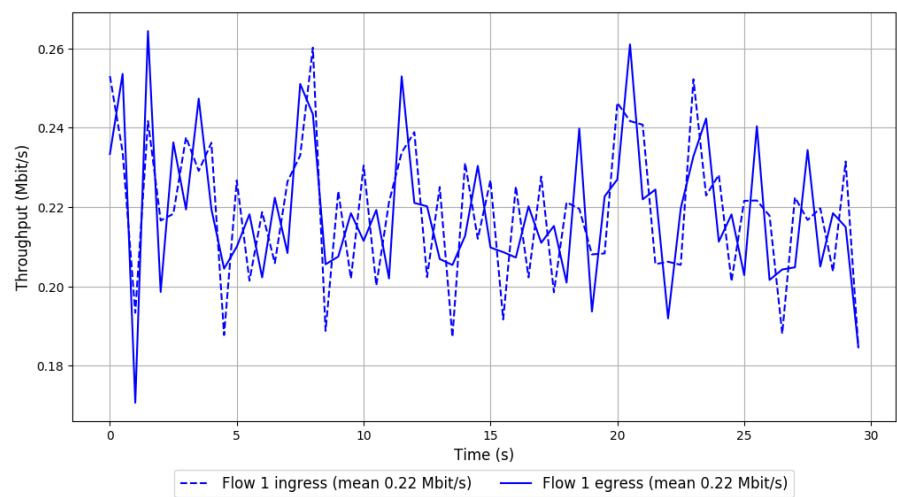


Run 7: Statistics of SCReAM

Start at: 2018-02-13 00:22:11
End at: 2018-02-13 00:22:42
Local clock offset: 0.101 ms
Remote clock offset: -4.731 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.814 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.814 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

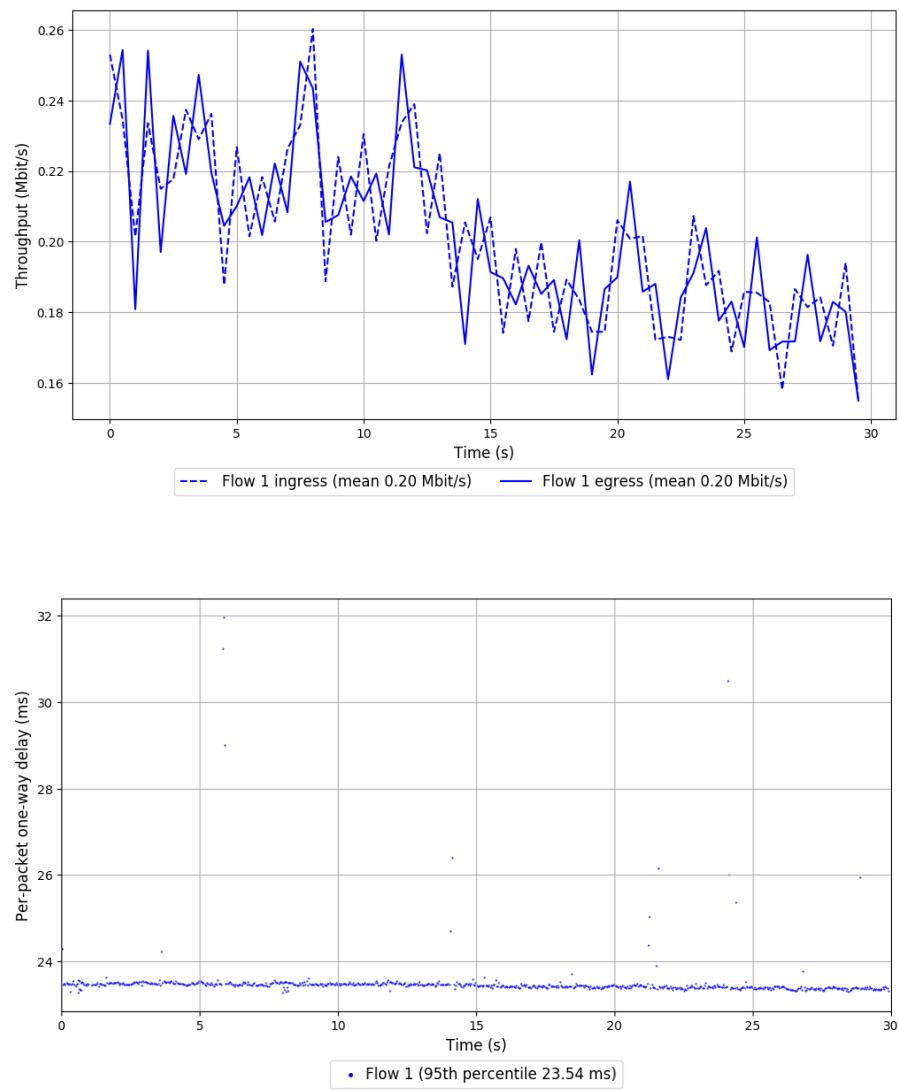


Run 8: Statistics of SCReAM

Start at: 2018-02-13 00:46:43
End at: 2018-02-13 00:47:14
Local clock offset: -0.437 ms
Remote clock offset: -5.219 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 23.538 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 23.538 ms
Loss rate: 0.26%

Run 8: Report of SReAM — Data Link

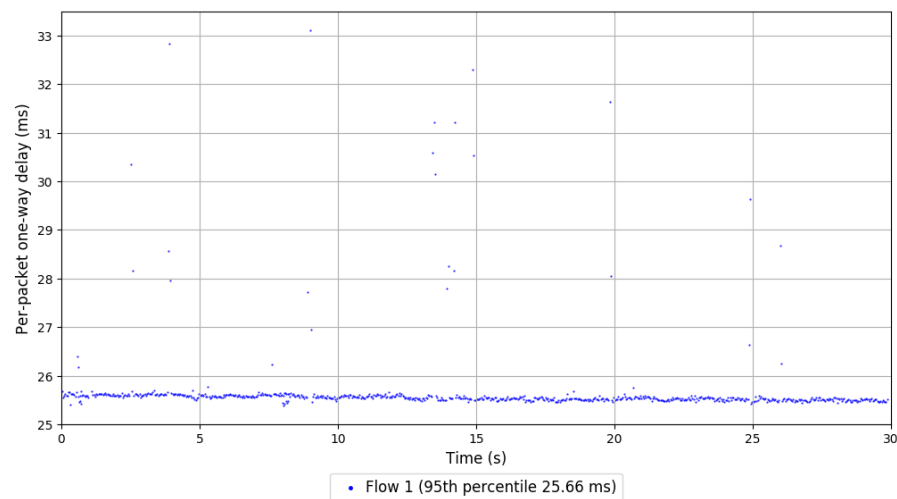
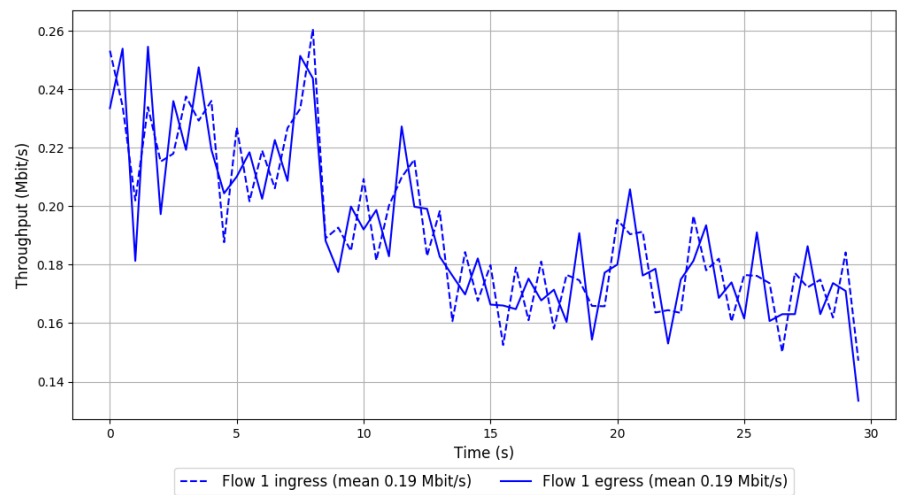


Run 9: Statistics of SCReAM

Start at: 2018-02-13 01:10:47
End at: 2018-02-13 01:11:17
Local clock offset: 2.867 ms
Remote clock offset: -8.317 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 25.656 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 25.656 ms
Loss rate: 0.39%

Run 9: Report of SReAM — Data Link

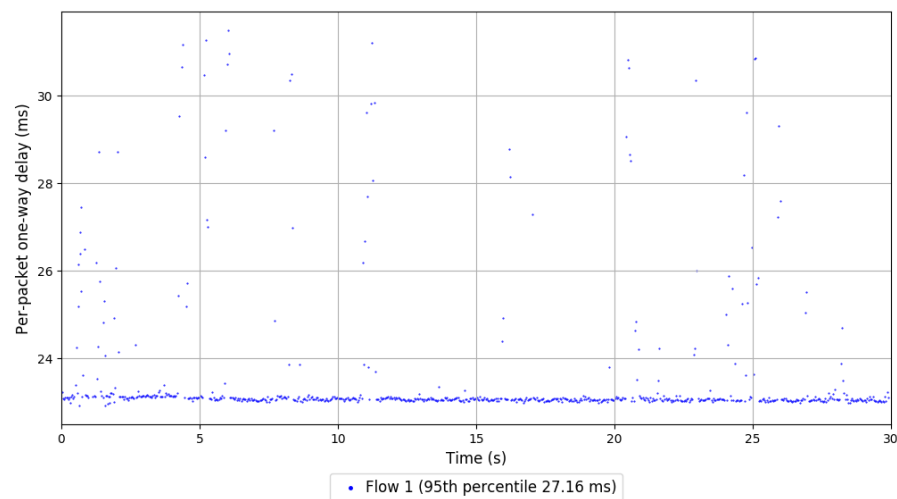
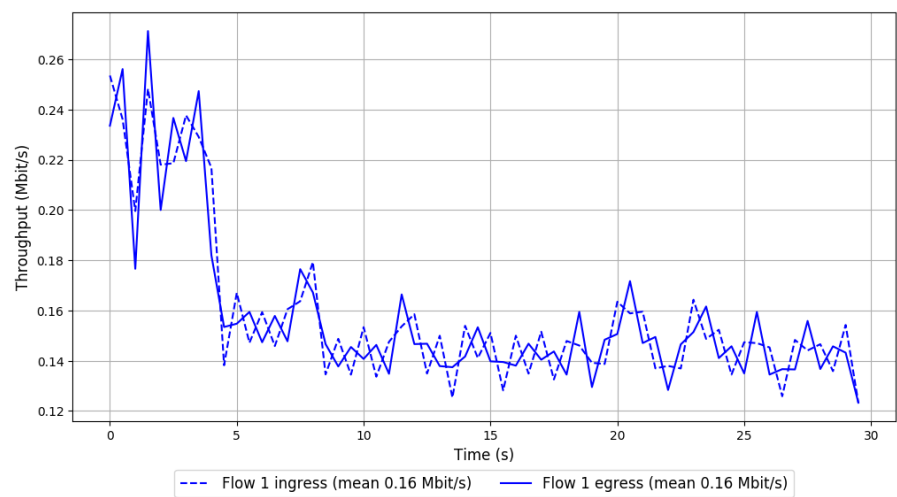


Run 10: Statistics of SCReAM

Start at: 2018-02-13 01:35:10
End at: 2018-02-13 01:35:40
Local clock offset: 2.064 ms
Remote clock offset: -8.333 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 27.158 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 27.158 ms
Loss rate: 0.32%

Run 10: Report of SReAM — Data Link

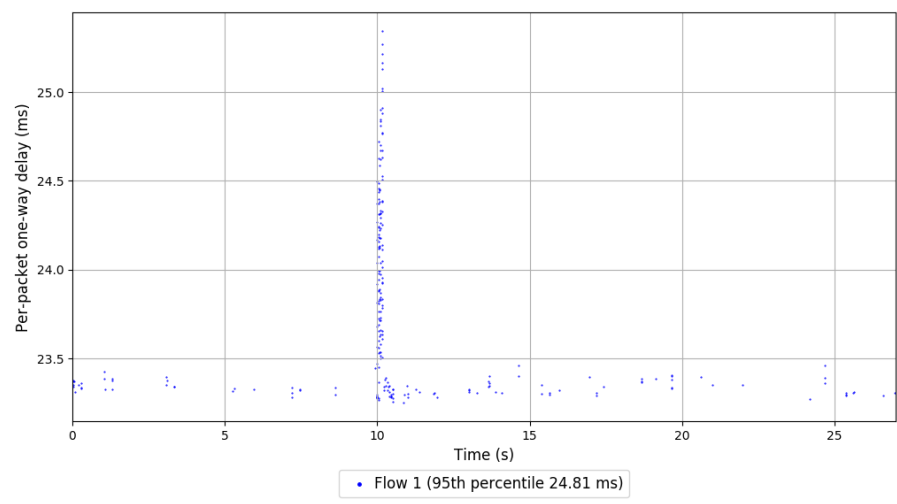
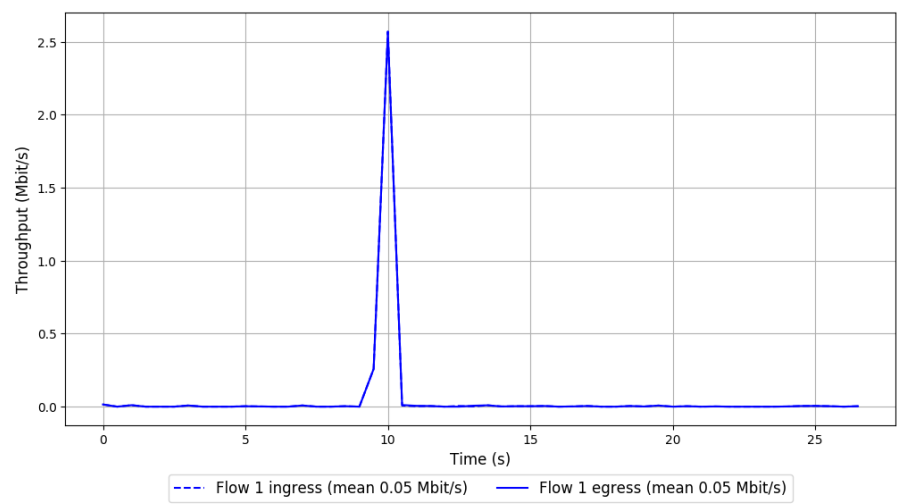


Run 1: Statistics of WebRTC media

Start at: 2018-02-12 21:45:04
End at: 2018-02-12 21:45:34
Local clock offset: 4.528 ms
Remote clock offset: -4.235 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 24.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 24.812 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

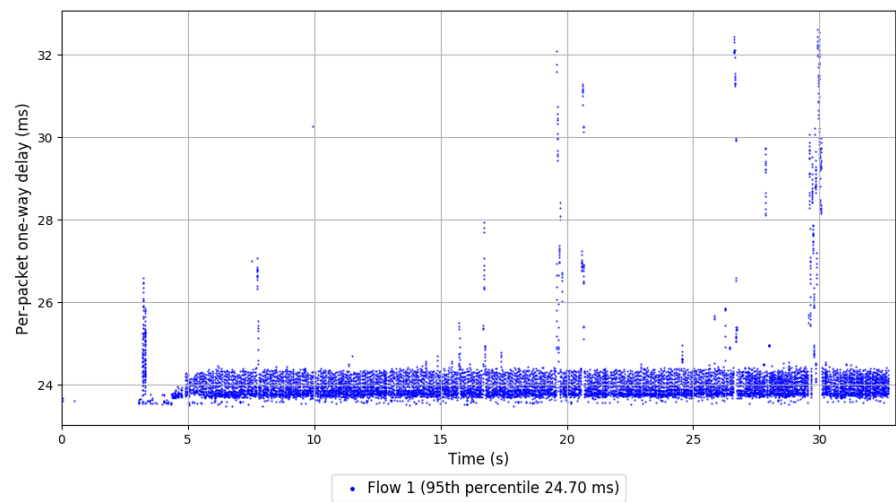
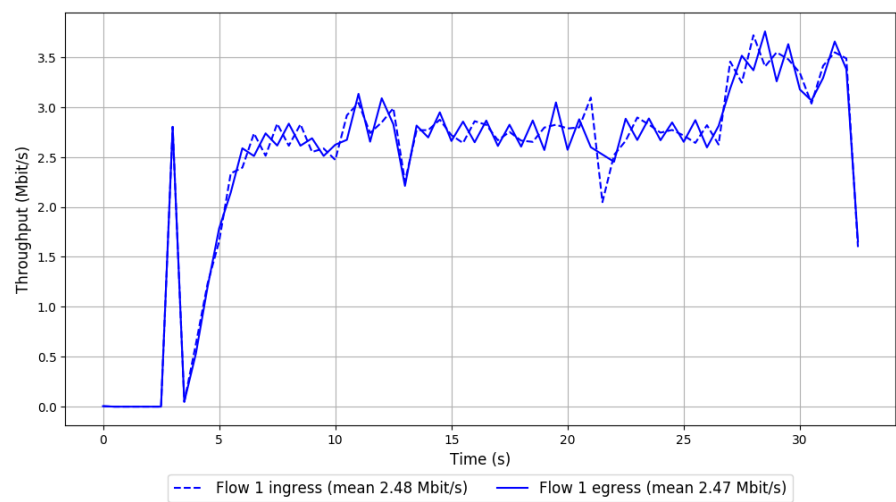


Run 2: Statistics of WebRTC media

Start at: 2018-02-12 22:09:00
End at: 2018-02-12 22:09:30
Local clock offset: 2.372 ms
Remote clock offset: -4.104 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 24.704 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 24.704 ms
Loss rate: 0.23%

Run 2: Report of WebRTC media — Data Link

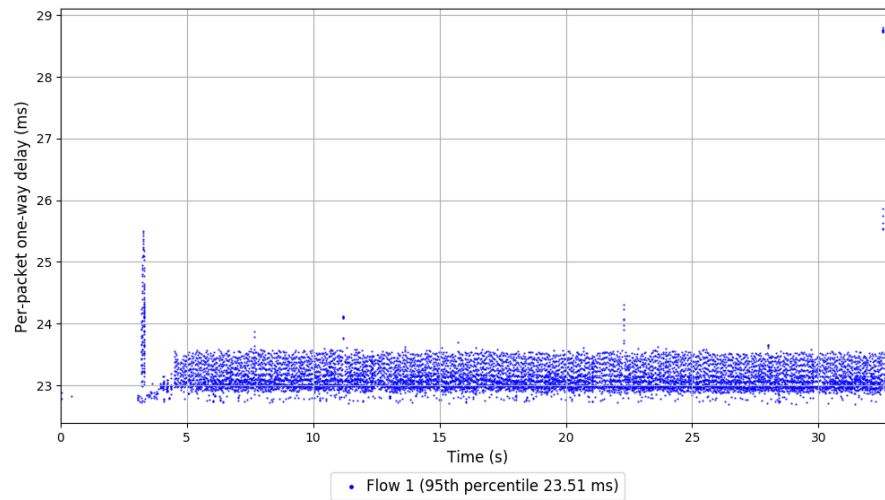
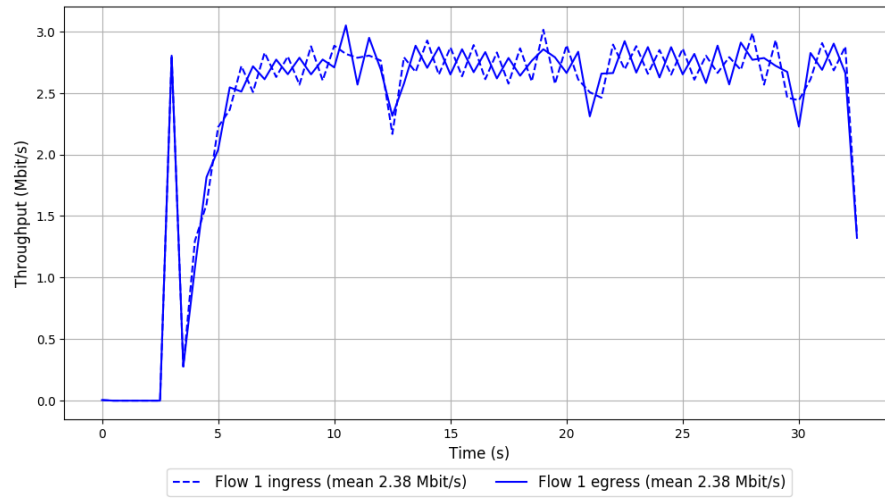


Run 3: Statistics of WebRTC media

Start at: 2018-02-12 22:33:11
End at: 2018-02-12 22:33:41
Local clock offset: 2.051 ms
Remote clock offset: -3.282 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 23.510 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 23.510 ms
Loss rate: 0.15%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-12 22:57:12

End at: 2018-02-12 22:57:42

Local clock offset: 3.253 ms

Remote clock offset: -3.48 ms

Below is generated by plot.py at 2018-02-13 06:22:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 24.237 ms

Loss rate: 0.23%

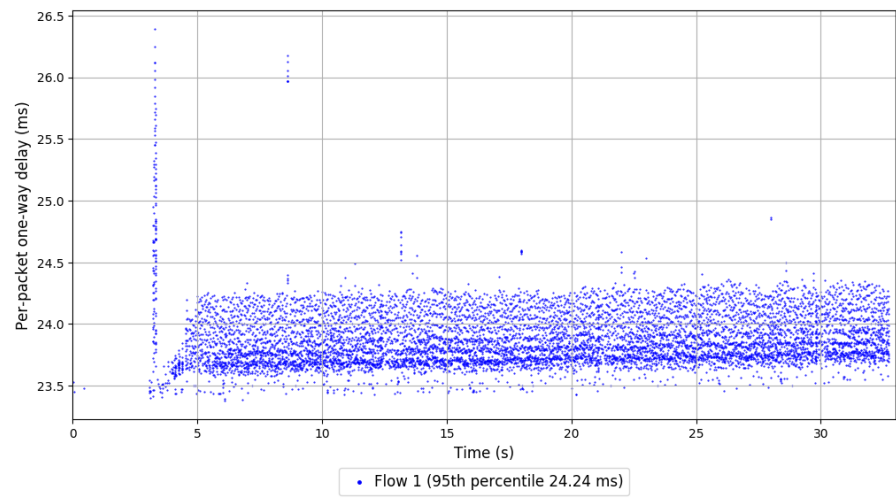
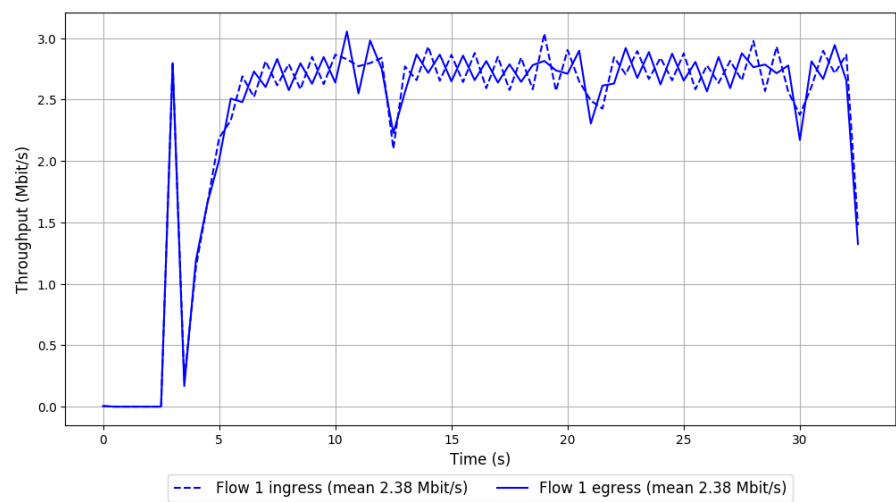
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 24.237 ms

Loss rate: 0.23%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-12 23:21:11

End at: 2018-02-12 23:21:41

Local clock offset: -0.084 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at 2018-02-13 06:22:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 23.885 ms

Loss rate: 0.14%

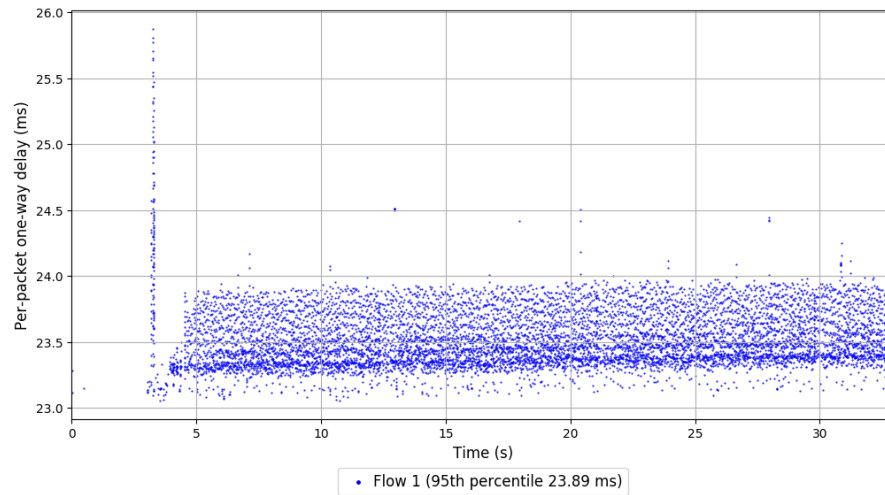
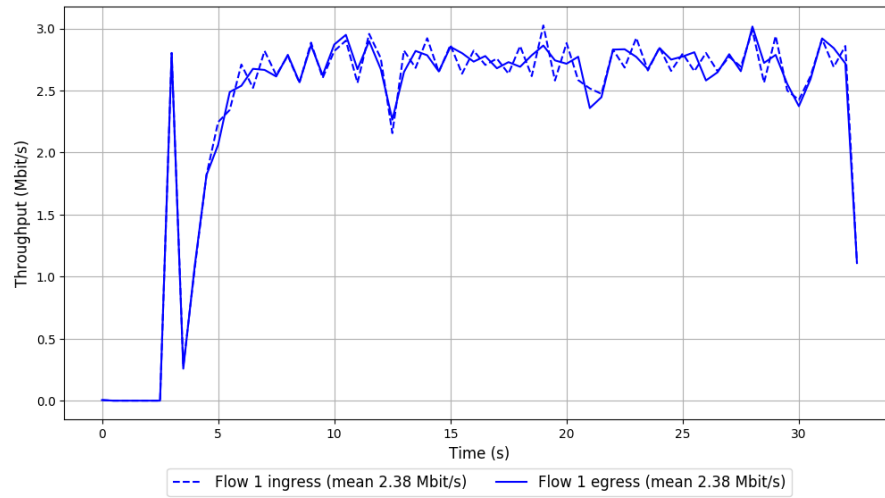
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 23.885 ms

Loss rate: 0.14%

Run 5: Report of WebRTC media — Data Link

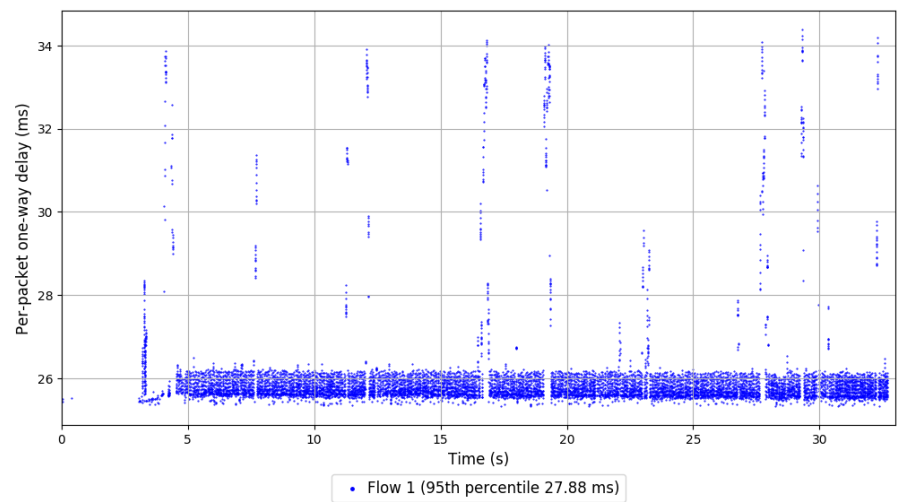
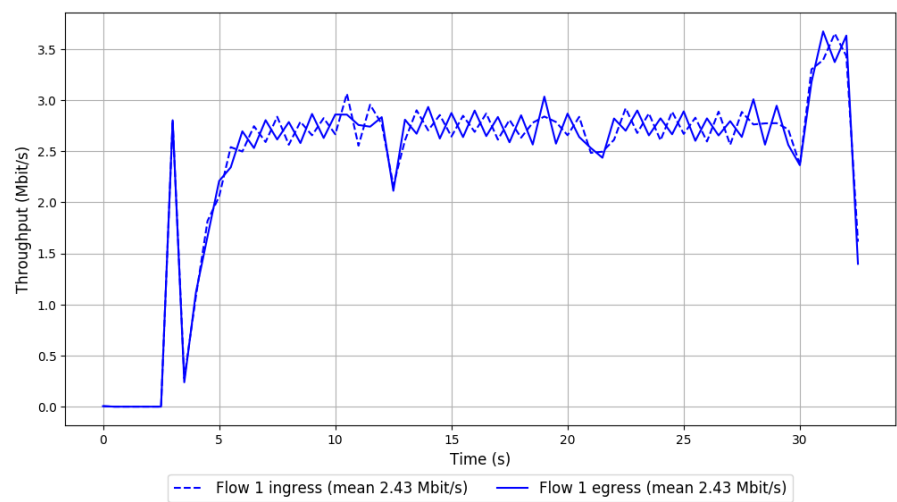


Run 6: Statistics of WebRTC media

Start at: 2018-02-12 23:45:20
End at: 2018-02-12 23:45:50
Local clock offset: 0.231 ms
Remote clock offset: -4.172 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 27.879 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 27.879 ms
Loss rate: 0.22%

Run 6: Report of WebRTC media — Data Link

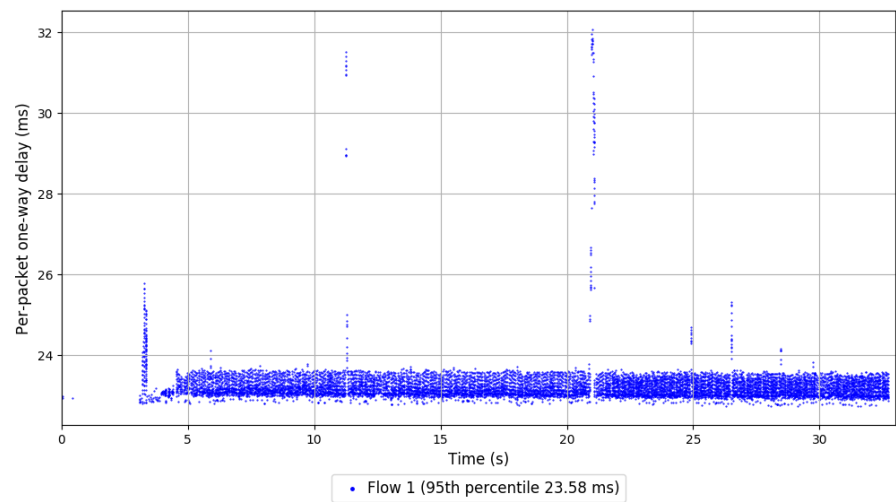
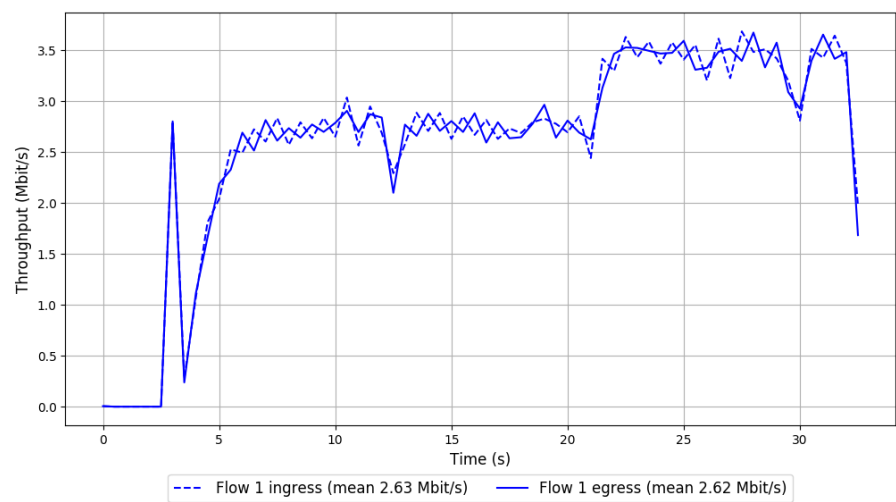


Run 7: Statistics of WebRTC media

Start at: 2018-02-13 00:10:01
End at: 2018-02-13 00:10:31
Local clock offset: 0.982 ms
Remote clock offset: -2.778 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 23.577 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 23.577 ms
Loss rate: 0.28%

Run 7: Report of WebRTC media — Data Link

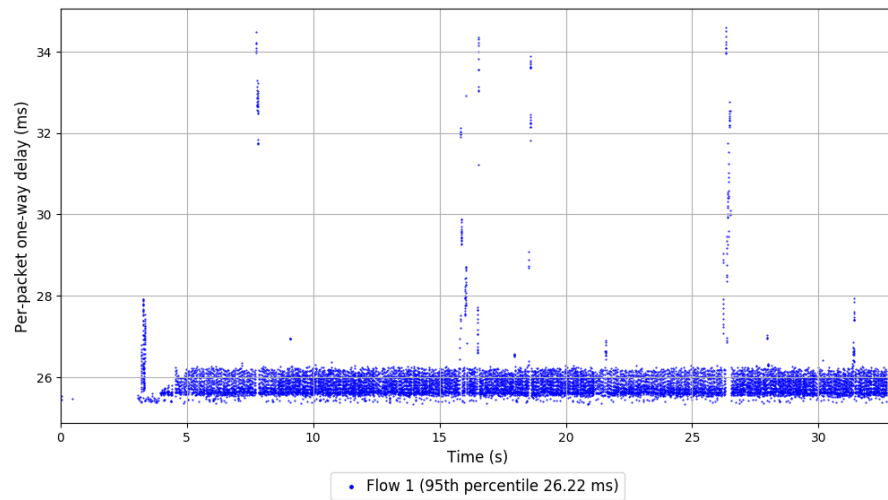
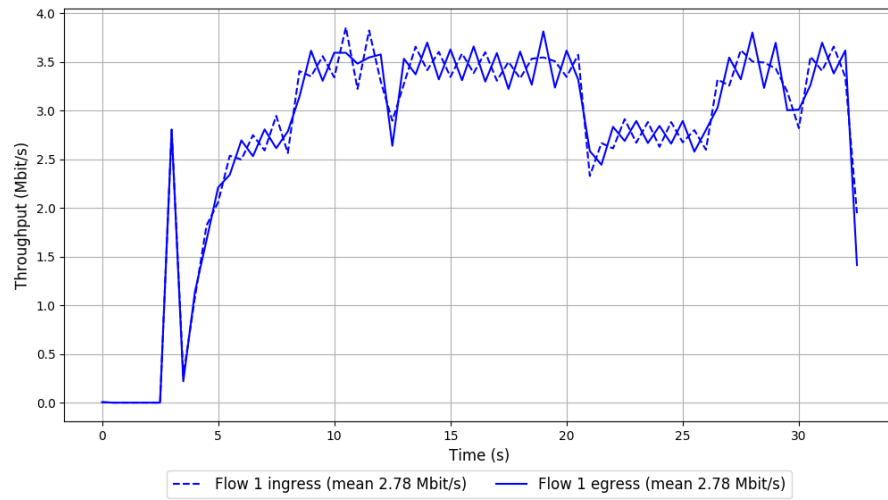


Run 8: Statistics of WebRTC media

Start at: 2018-02-13 00:34:29
End at: 2018-02-13 00:34:59
Local clock offset: -0.435 ms
Remote clock offset: -7.378 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 26.216 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 26.216 ms
Loss rate: 0.37%

Run 8: Report of WebRTC media — Data Link

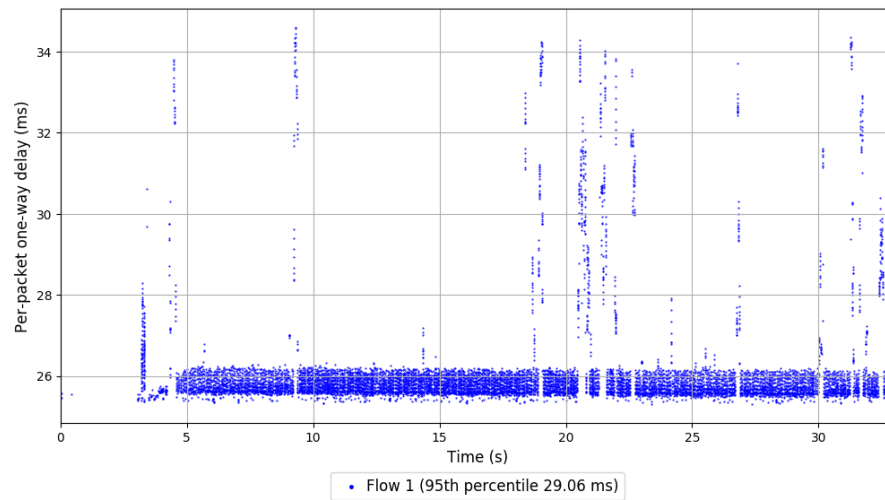
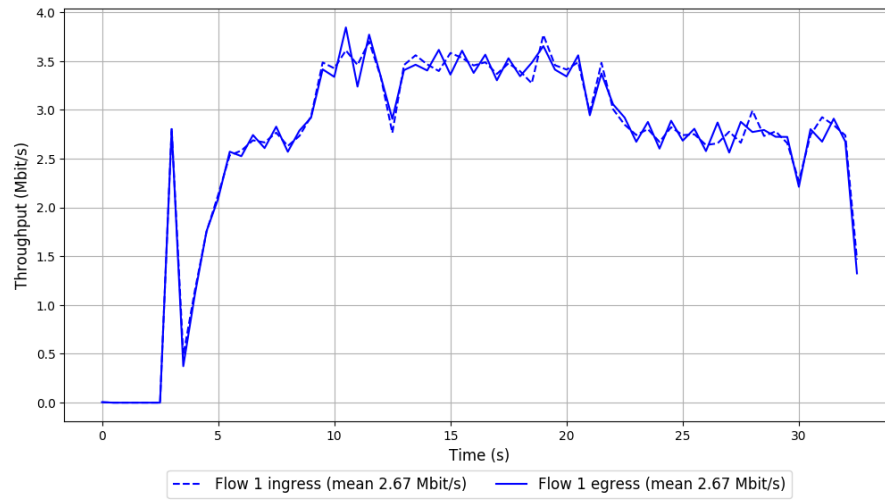


Run 9: Statistics of WebRTC media

Start at: 2018-02-13 00:58:41
End at: 2018-02-13 00:59:11
Local clock offset: 1.981 ms
Remote clock offset: -7.534 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 29.056 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 29.056 ms
Loss rate: 0.37%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-13 01:22:52

End at: 2018-02-13 01:23:22

Local clock offset: 3.006 ms

Remote clock offset: -6.961 ms

Below is generated by plot.py at 2018-02-13 06:22:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.58 Mbit/s

95th percentile per-packet one-way delay: 27.837 ms

Loss rate: 0.30%

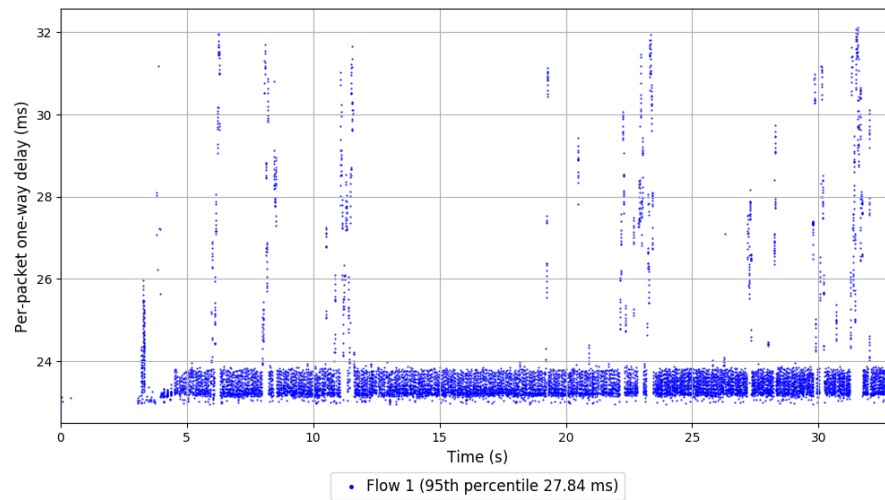
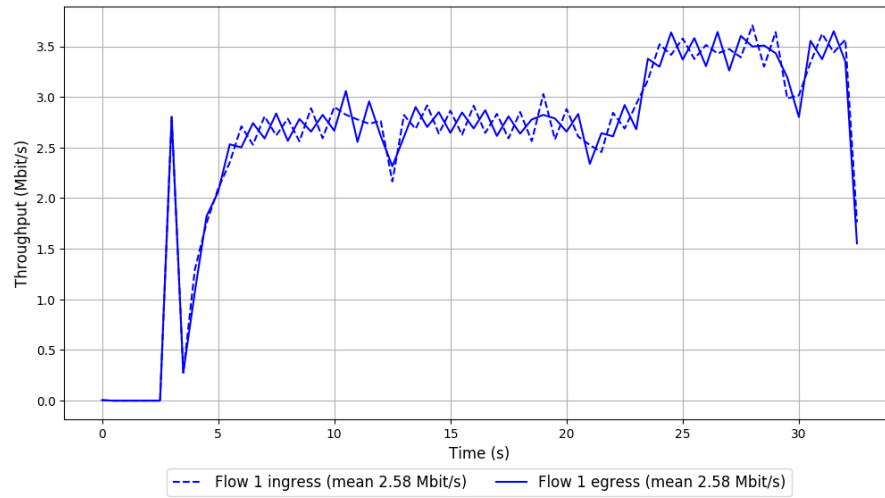
-- Flow 1:

Average throughput: 2.58 Mbit/s

95th percentile per-packet one-way delay: 27.837 ms

Loss rate: 0.30%

Run 10: Report of WebRTC media — Data Link

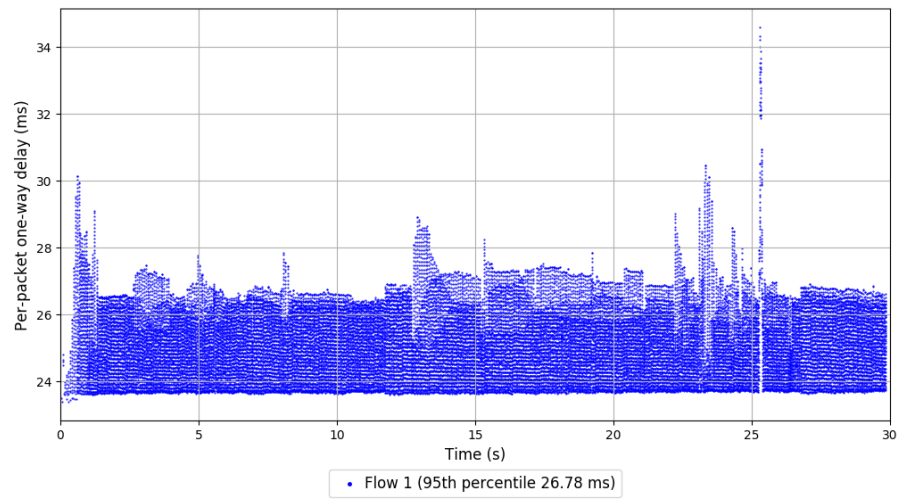
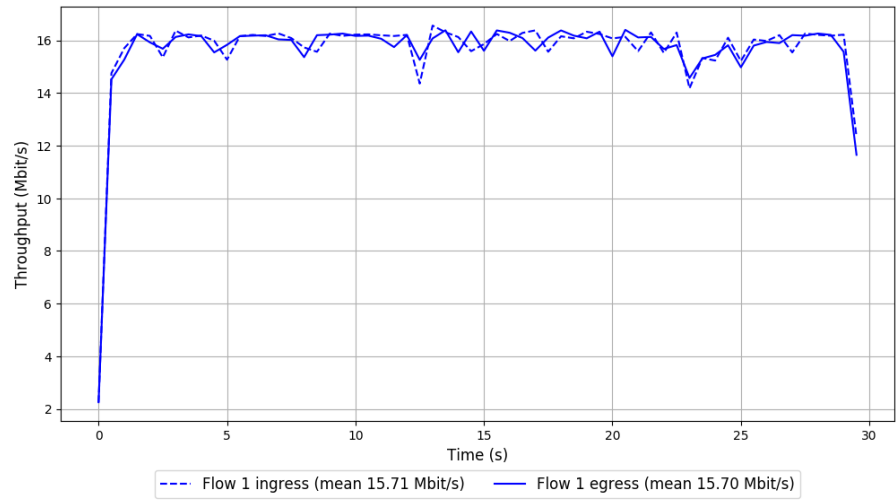


Run 1: Statistics of Sprout

Start at: 2018-02-12 22:05:00
End at: 2018-02-12 22:05:30
Local clock offset: 2.71 ms
Remote clock offset: -4.048 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 26.783 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 26.783 ms
Loss rate: 0.24%

Run 1: Report of Sprout — Data Link

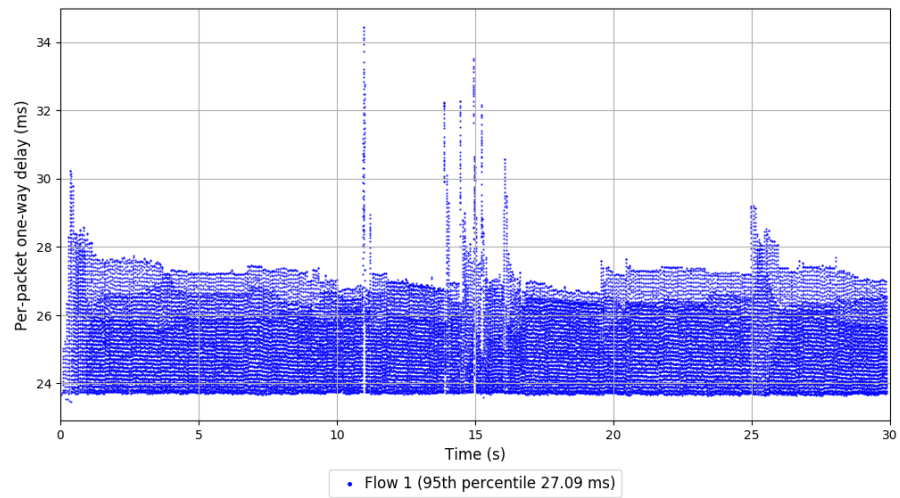
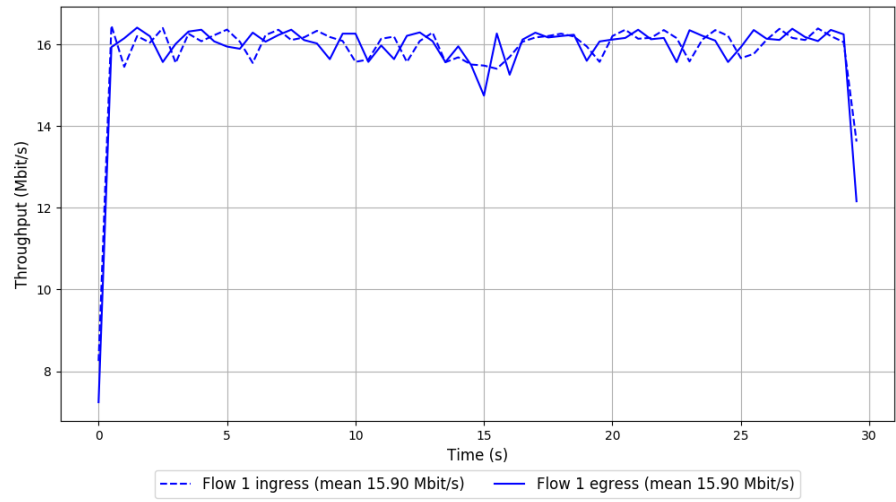


Run 2: Statistics of Sprout

Start at: 2018-02-12 22:29:14
End at: 2018-02-12 22:29:44
Local clock offset: 1.667 ms
Remote clock offset: -4.092 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 27.094 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 27.094 ms
Loss rate: 0.20%

Run 2: Report of Sprout — Data Link

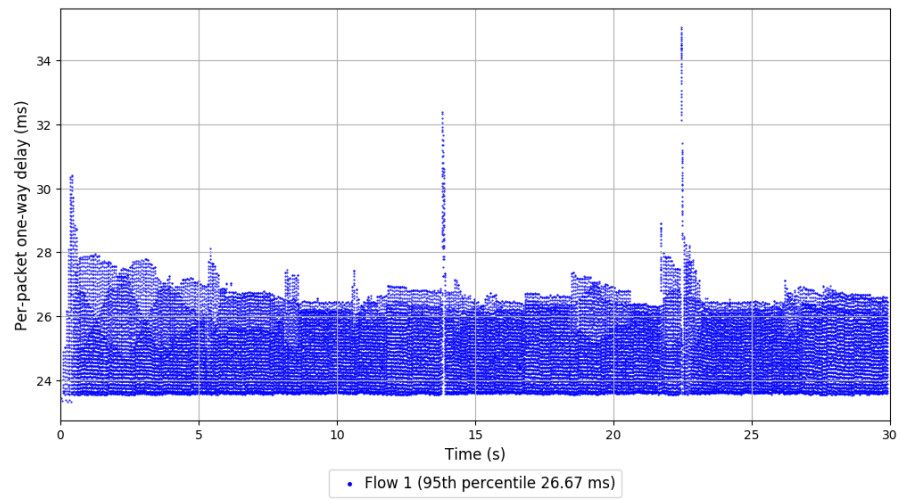
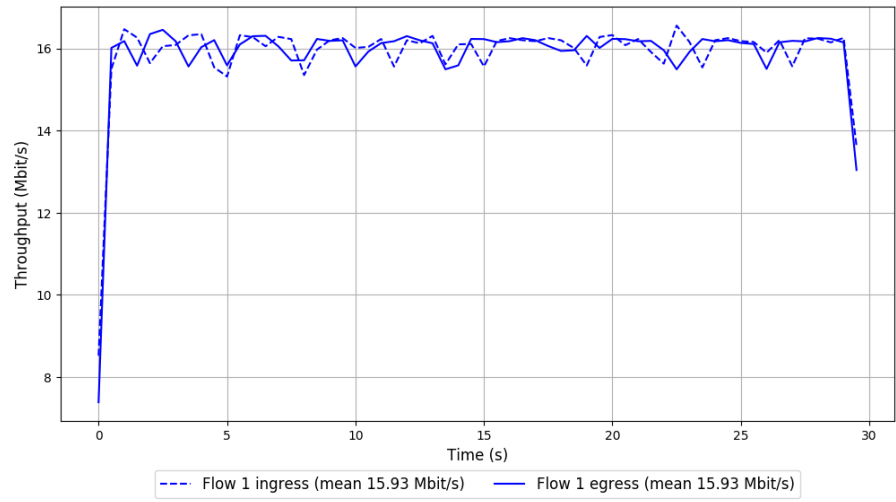


Run 3: Statistics of Sprout

Start at: 2018-02-12 22:53:15
End at: 2018-02-12 22:53:45
Local clock offset: 3.113 ms
Remote clock offset: -3.596 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 26.673 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 26.673 ms
Loss rate: 0.14%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-12 23:17:14

End at: 2018-02-12 23:17:44

Local clock offset: 0.29 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-02-13 06:22:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 26.350 ms

Loss rate: 0.21%

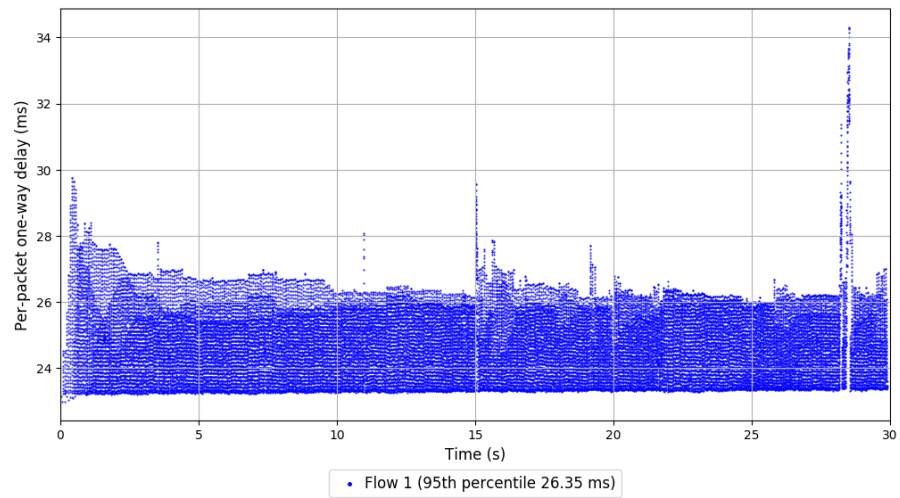
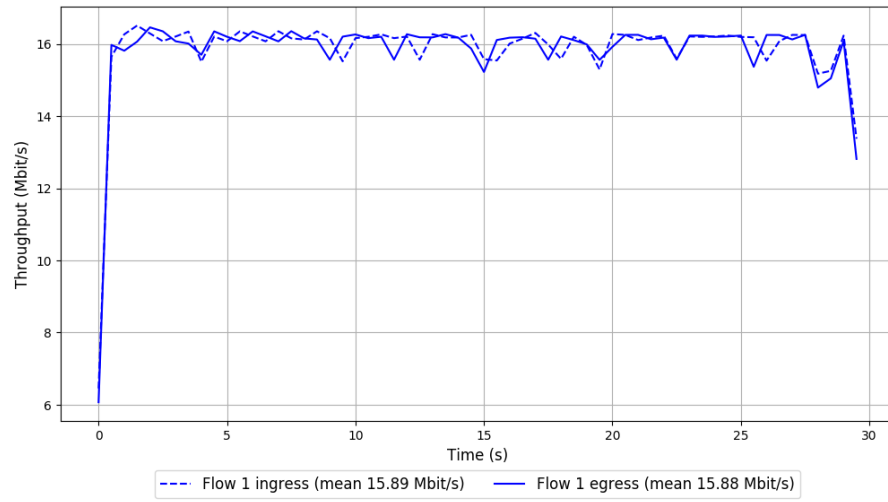
-- Flow 1:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 26.350 ms

Loss rate: 0.21%

Run 4: Report of Sprout — Data Link

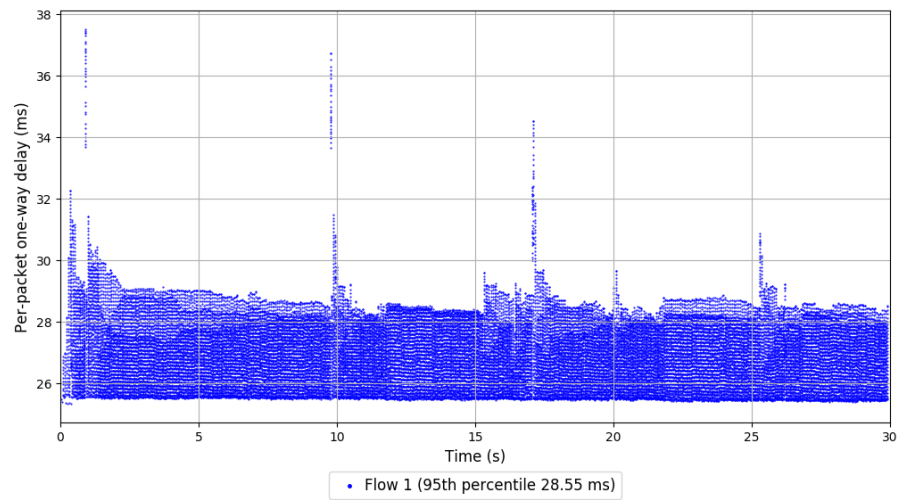
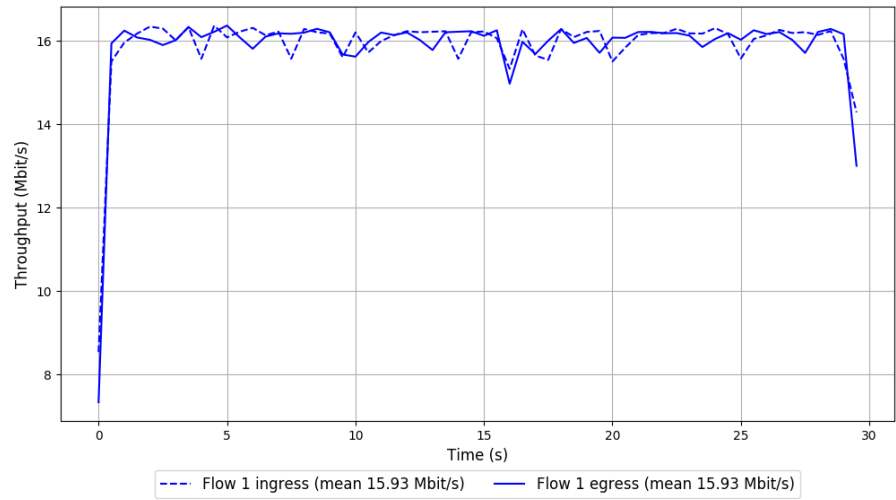


Run 5: Statistics of Sprout

Start at: 2018-02-12 23:41:25
End at: 2018-02-12 23:41:55
Local clock offset: -0.335 ms
Remote clock offset: -3.875 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 28.555 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 28.555 ms
Loss rate: 0.22%

Run 5: Report of Sprout — Data Link

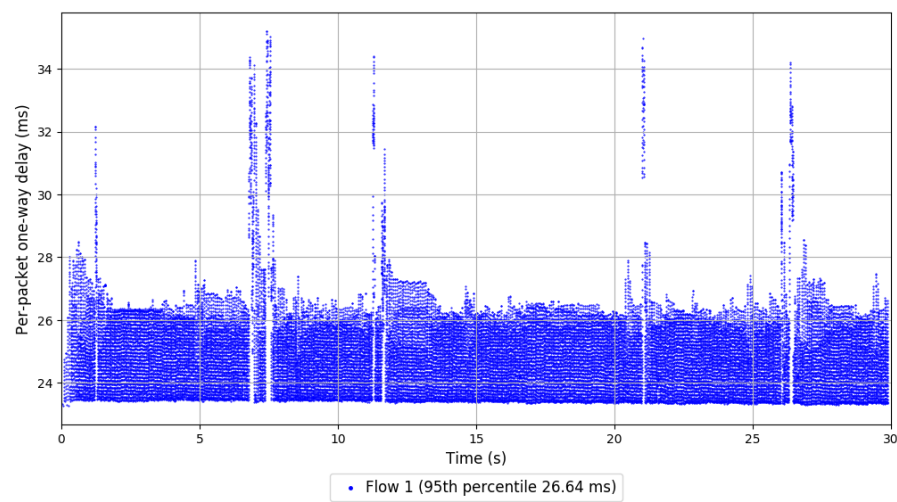
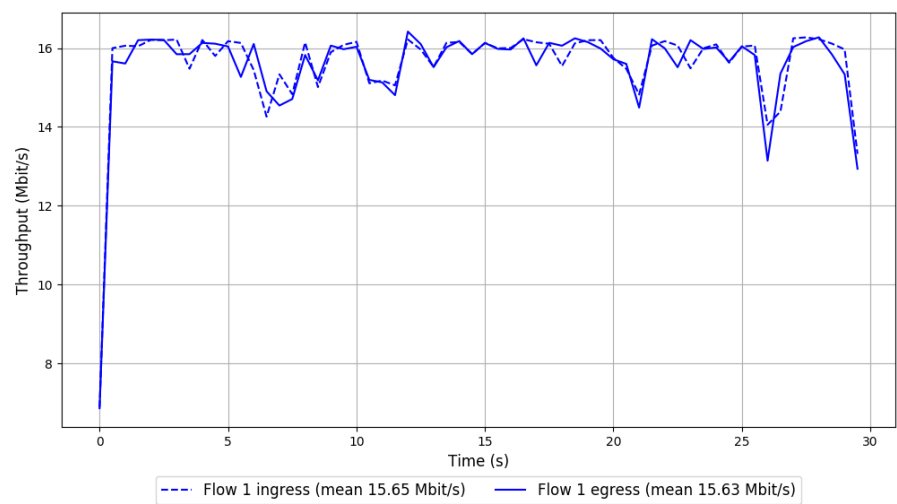


Run 6: Statistics of Sprout

Start at: 2018-02-13 00:06:03
End at: 2018-02-13 00:06:33
Local clock offset: 0.882 ms
Remote clock offset: -2.274 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 26.638 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 26.638 ms
Loss rate: 0.35%

Run 6: Report of Sprout — Data Link

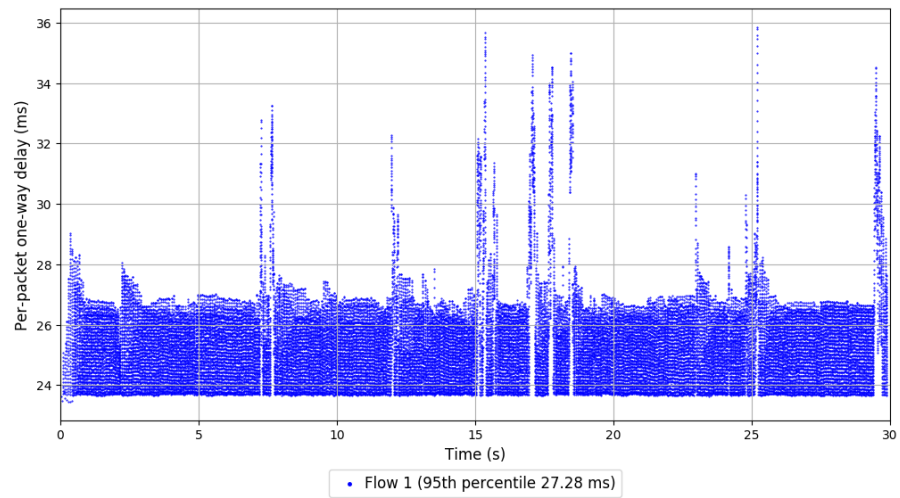
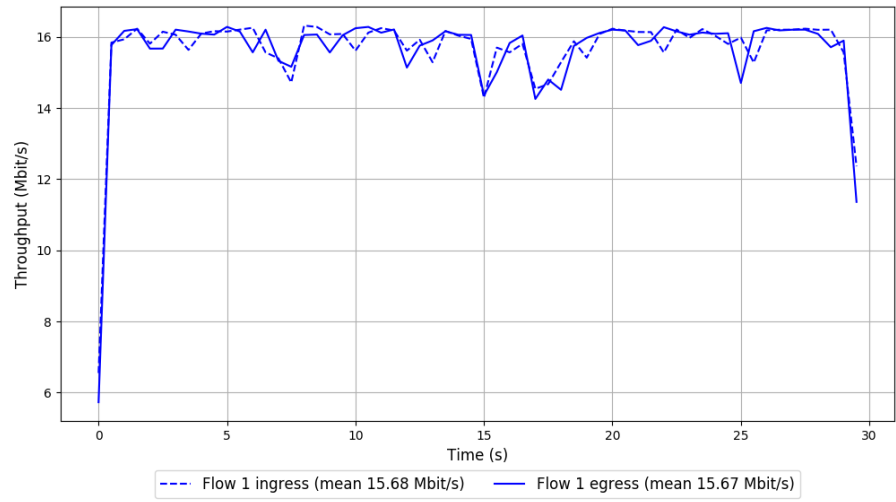


Run 7: Statistics of Sprout

Start at: 2018-02-13 00:30:28
End at: 2018-02-13 00:30:58
Local clock offset: -0.223 ms
Remote clock offset: -5.129 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 27.277 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 27.277 ms
Loss rate: 0.26%

Run 7: Report of Sprout — Data Link

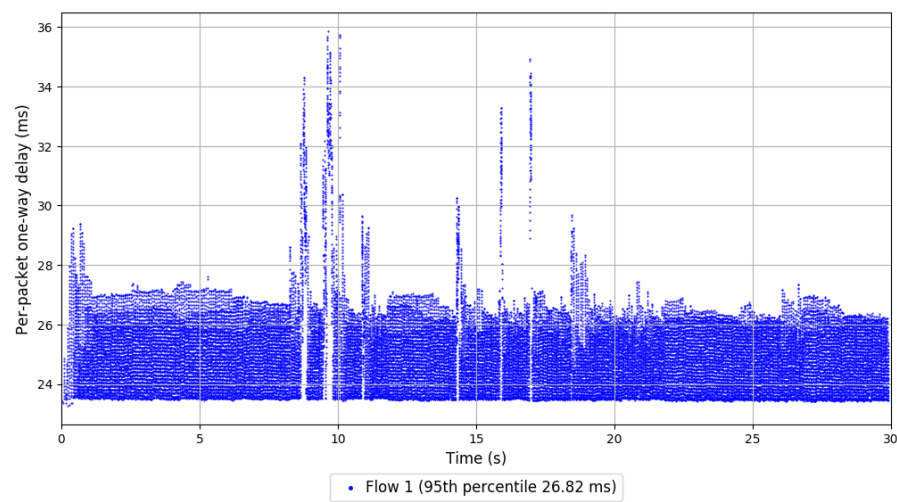
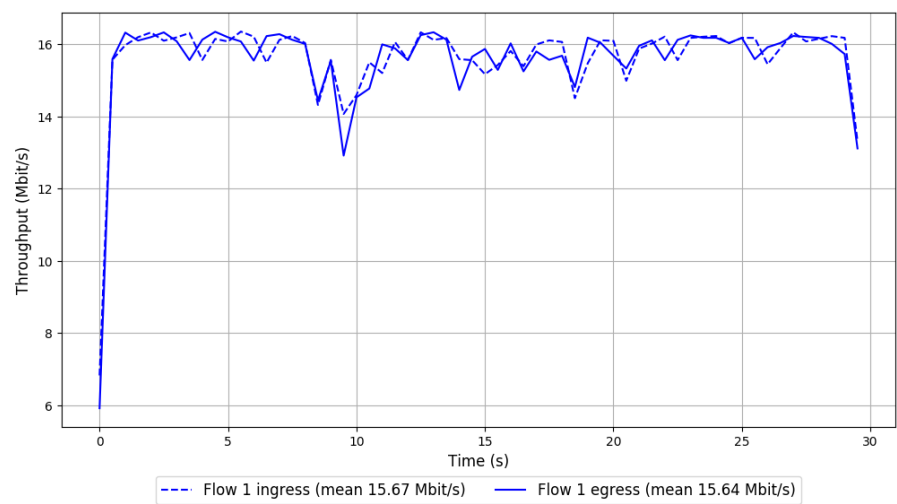


Run 8: Statistics of Sprout

Start at: 2018-02-13 00:54:44
End at: 2018-02-13 00:55:14
Local clock offset: 1.358 ms
Remote clock offset: -5.313 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 26.825 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 26.825 ms
Loss rate: 0.31%

Run 8: Report of Sprout — Data Link

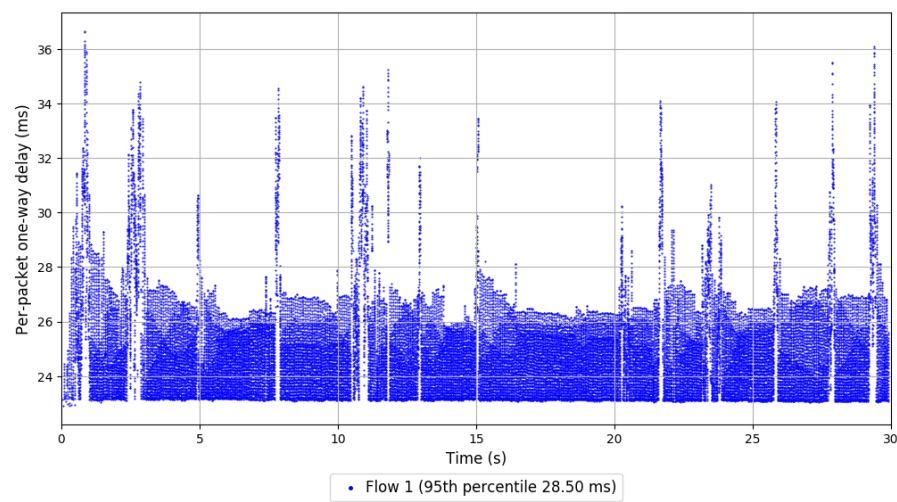
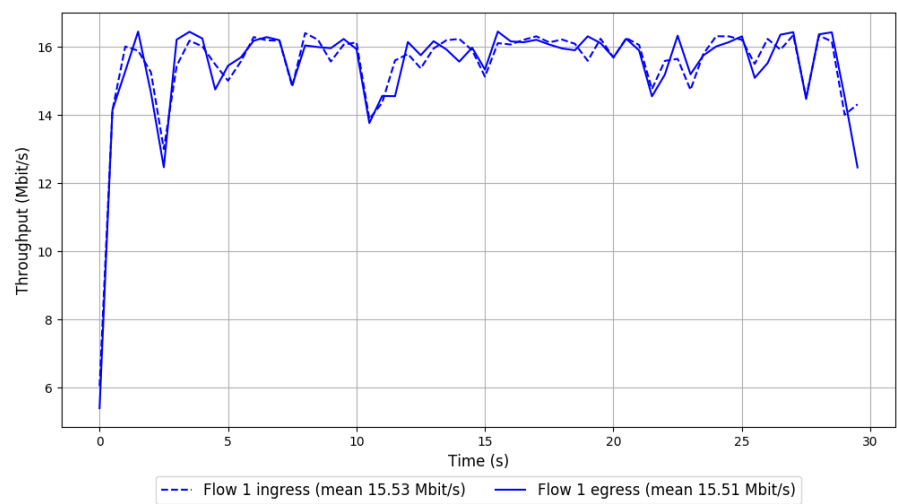


Run 9: Statistics of Sprout

Start at: 2018-02-13 01:18:53
End at: 2018-02-13 01:19:23
Local clock offset: 3.354 ms
Remote clock offset: -6.639 ms

Below is generated by plot.py at 2018-02-13 06:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 28.501 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 28.501 ms
Loss rate: 0.33%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-13 01:43:20

End at: 2018-02-13 01:43:50

Local clock offset: 1.975 ms

Remote clock offset: -11.771 ms

Below is generated by plot.py at 2018-02-13 06:22:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.53 Mbit/s

95th percentile per-packet one-way delay: 30.205 ms

Loss rate: 0.36%

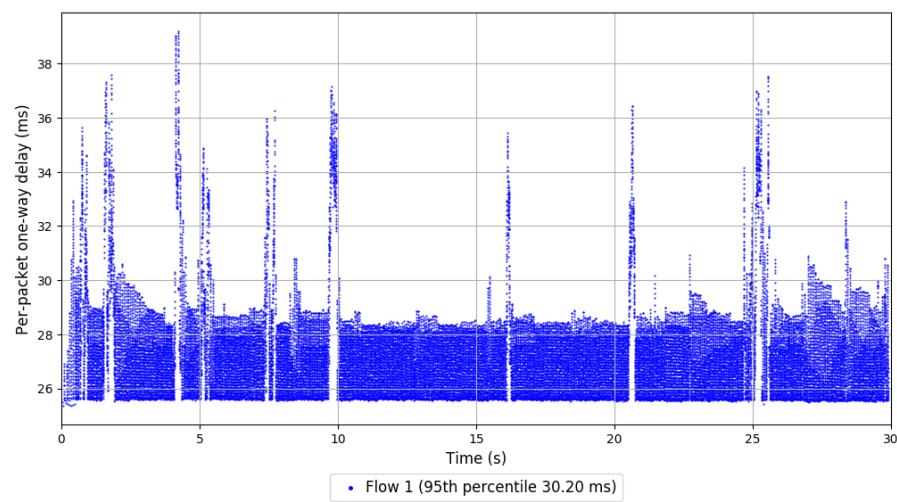
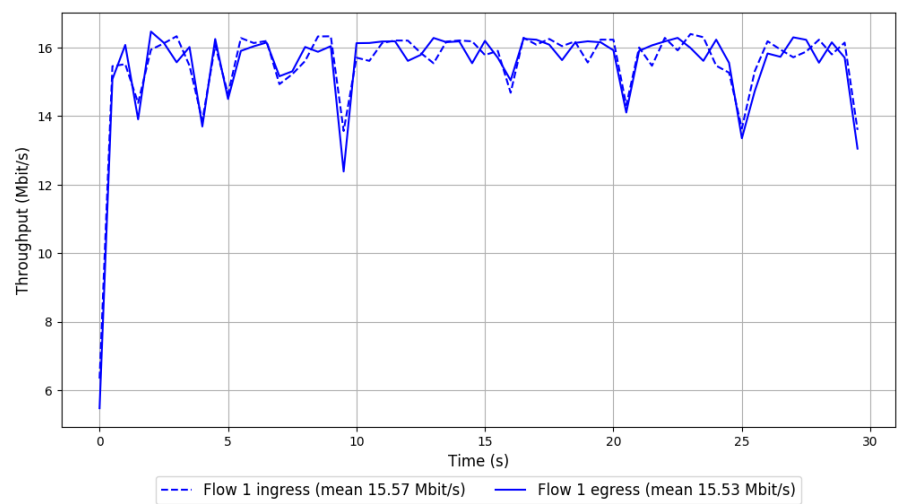
-- Flow 1:

Average throughput: 15.53 Mbit/s

95th percentile per-packet one-way delay: 30.205 ms

Loss rate: 0.36%

Run 10: Report of Sprout — Data Link

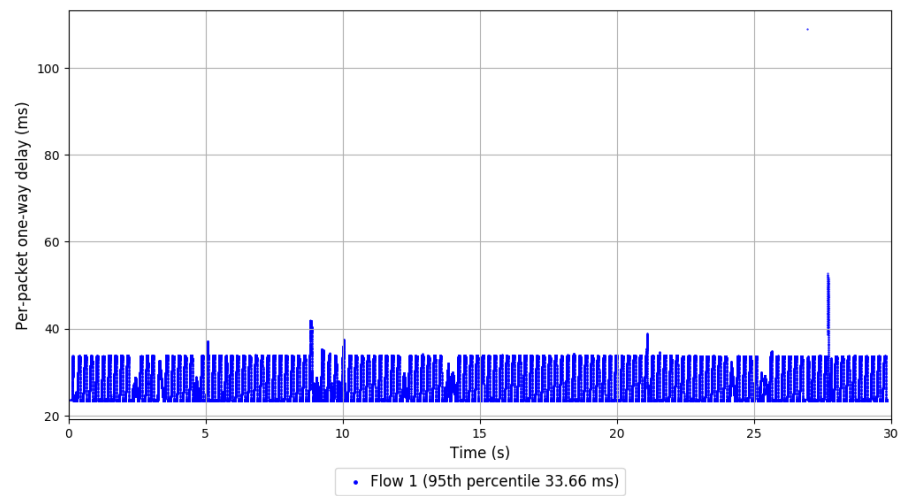
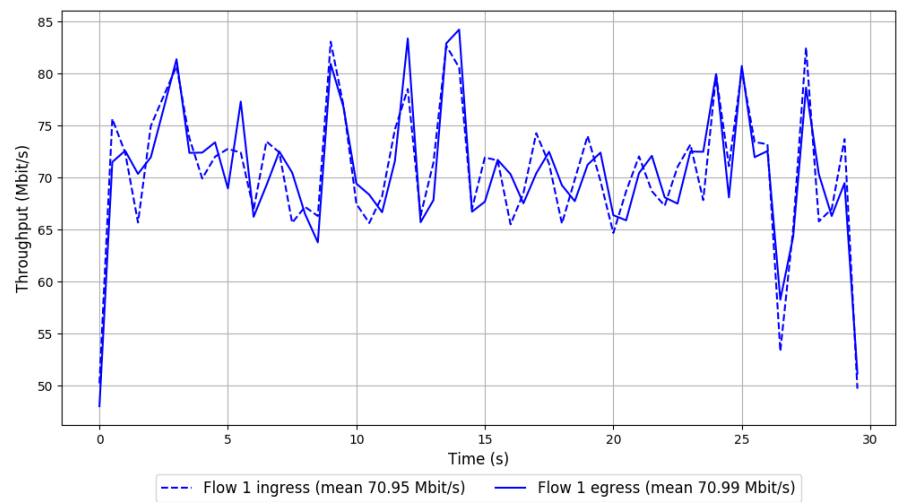


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-12 21:49:00
End at: 2018-02-12 21:49:30
Local clock offset: 4.787 ms
Remote clock offset: -4.381 ms

# Below is generated by plot.py at 2018-02-13 06:23:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 33.660 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 33.660 ms
Loss rate: 0.13%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-02-12 22:12:57

End at: 2018-02-12 22:13:27

Local clock offset: 2.065 ms

Remote clock offset: -6.224 ms

Below is generated by plot.py at 2018-02-13 06:23:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.06 Mbit/s

95th percentile per-packet one-way delay: 35.746 ms

Loss rate: 0.55%

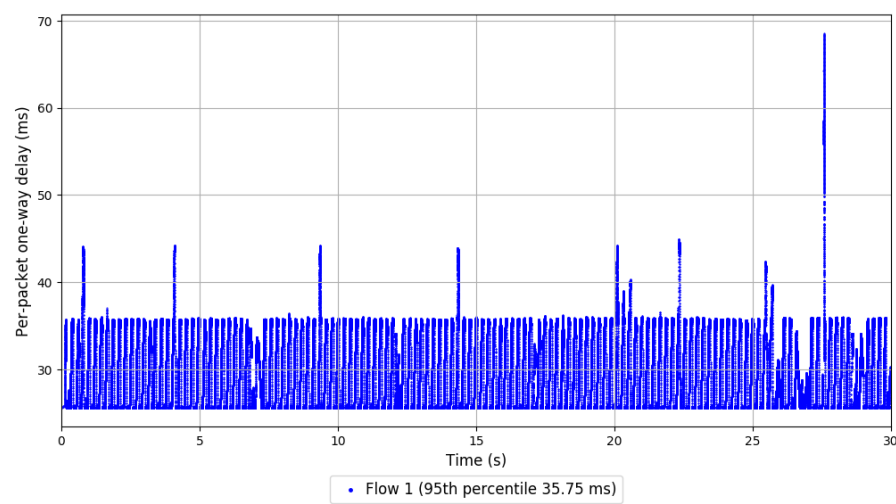
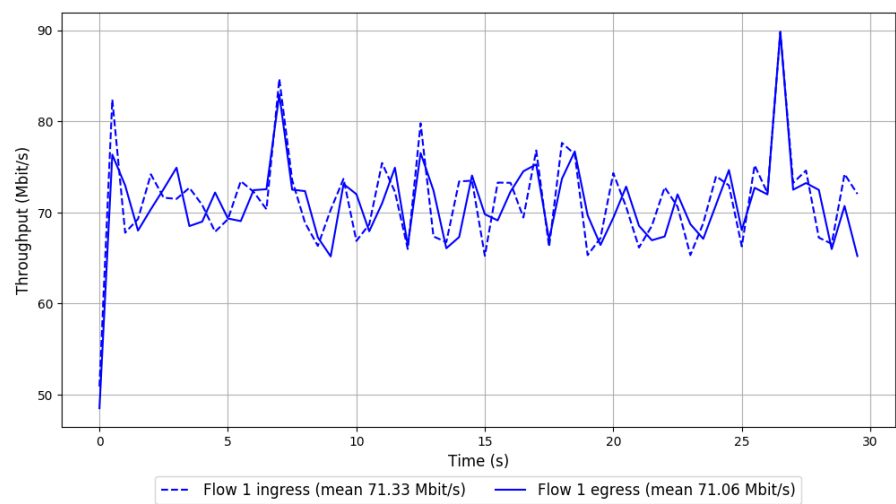
-- Flow 1:

Average throughput: 71.06 Mbit/s

95th percentile per-packet one-way delay: 35.746 ms

Loss rate: 0.55%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-12 22:37:07

End at: 2018-02-12 22:37:37

Local clock offset: 2.309 ms

Remote clock offset: -3.368 ms

Below is generated by plot.py at 2018-02-13 06:24:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.16 Mbit/s

95th percentile per-packet one-way delay: 33.097 ms

Loss rate: 0.29%

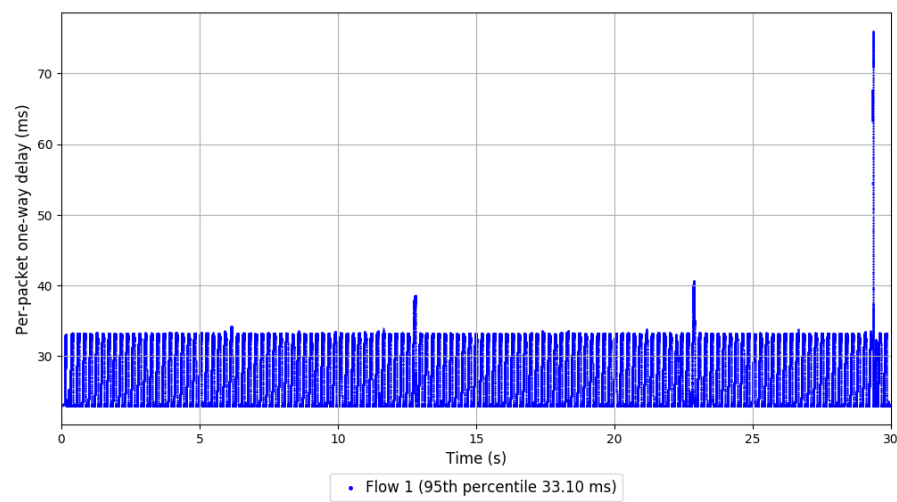
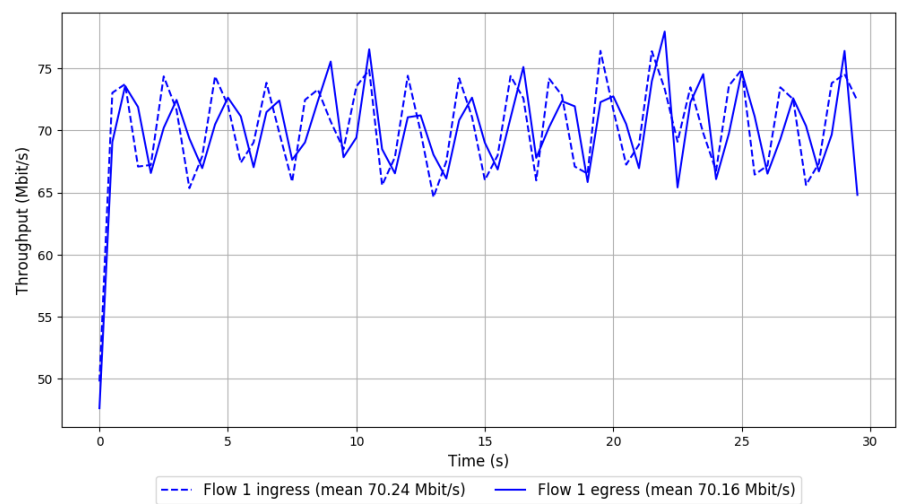
-- Flow 1:

Average throughput: 70.16 Mbit/s

95th percentile per-packet one-way delay: 33.097 ms

Loss rate: 0.29%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-12 23:01:09

End at: 2018-02-12 23:01:39

Local clock offset: 3.34 ms

Remote clock offset: -2.237 ms

Below is generated by plot.py at 2018-02-13 06:24:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.44 Mbit/s

95th percentile per-packet one-way delay: 33.325 ms

Loss rate: 0.17%

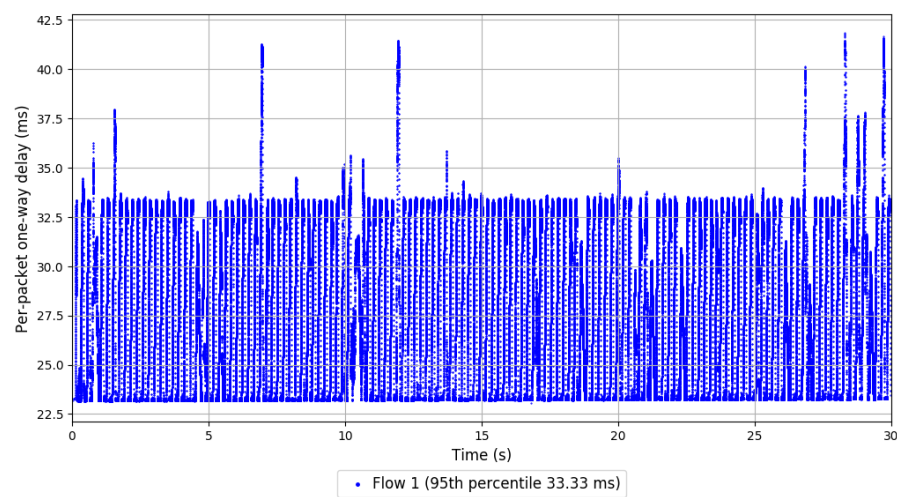
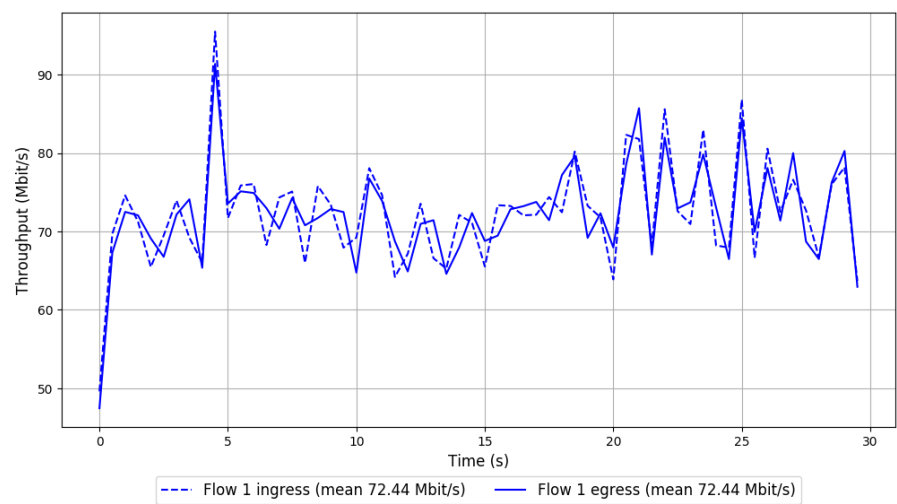
-- Flow 1:

Average throughput: 72.44 Mbit/s

95th percentile per-packet one-way delay: 33.325 ms

Loss rate: 0.17%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-12 23:25:11

End at: 2018-02-12 23:25:41

Local clock offset: -0.354 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2018-02-13 06:24:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.41 Mbit/s

95th percentile per-packet one-way delay: 33.921 ms

Loss rate: 0.17%

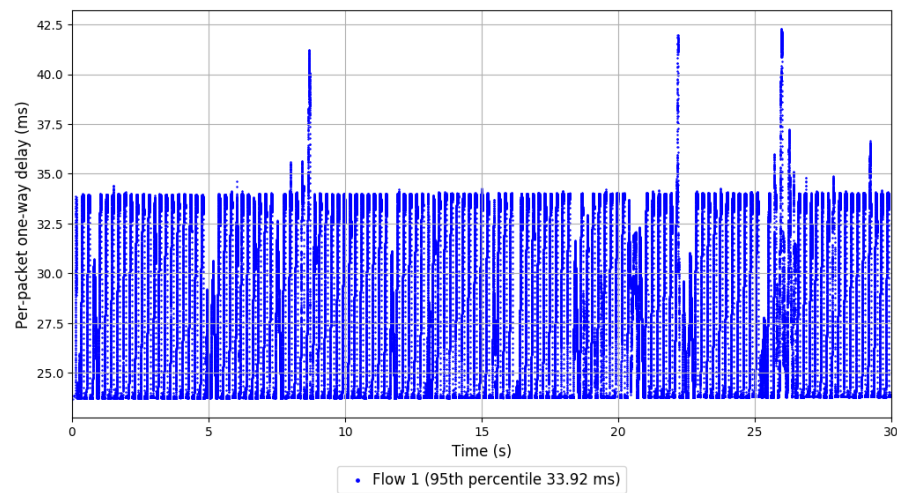
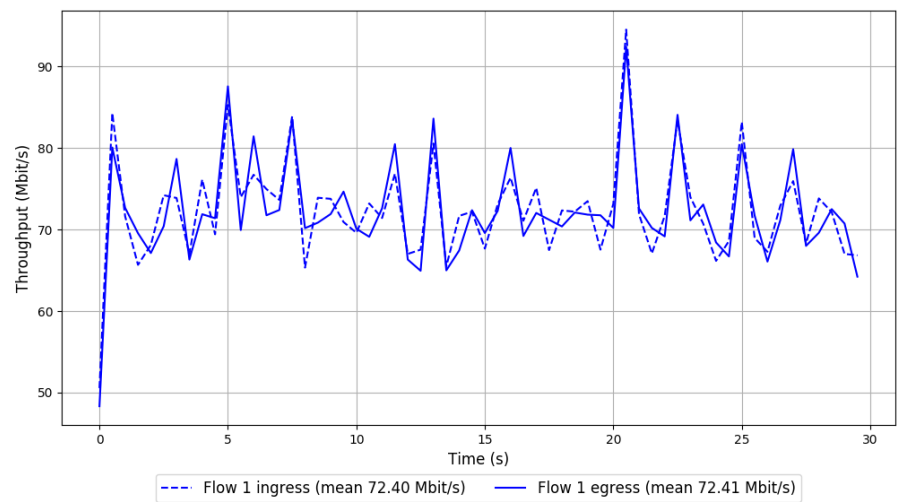
-- Flow 1:

Average throughput: 72.41 Mbit/s

95th percentile per-packet one-way delay: 33.921 ms

Loss rate: 0.17%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-12 23:49:15

End at: 2018-02-12 23:49:45

Local clock offset: 0.506 ms

Remote clock offset: -4.386 ms

Below is generated by plot.py at 2018-02-13 06:24:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.93 Mbit/s

95th percentile per-packet one-way delay: 35.955 ms

Loss rate: 0.41%

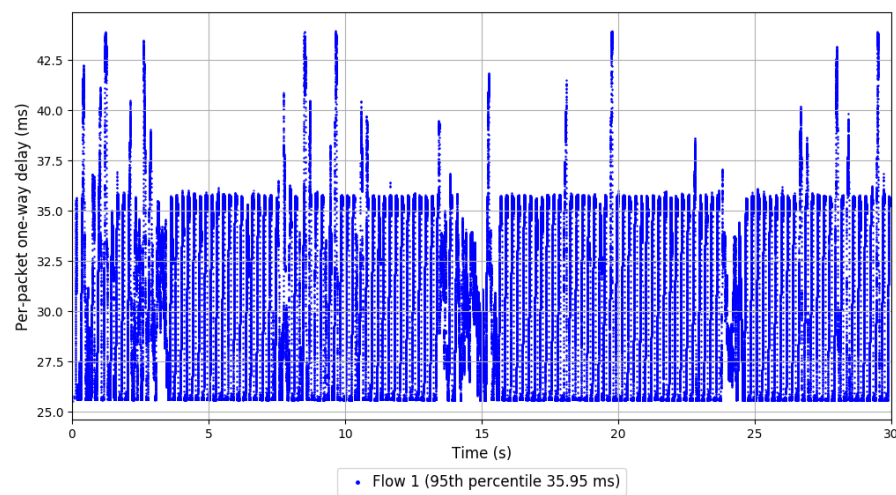
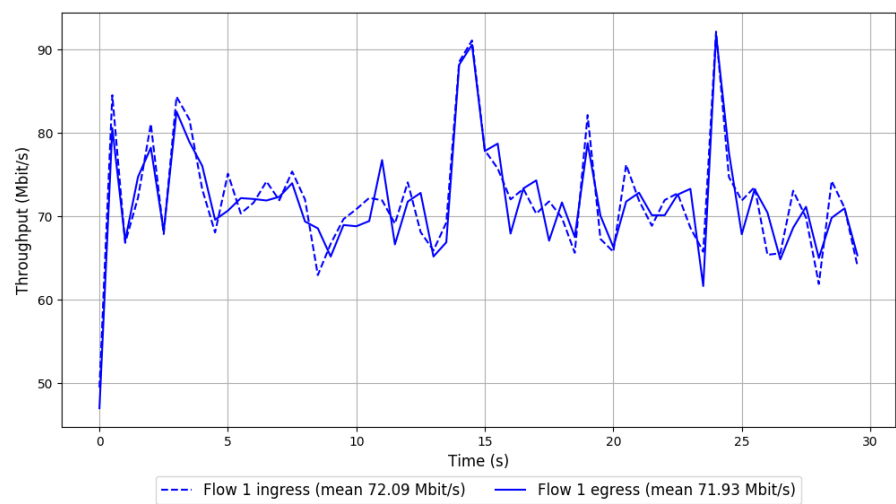
-- Flow 1:

Average throughput: 71.93 Mbit/s

95th percentile per-packet one-way delay: 35.955 ms

Loss rate: 0.41%

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

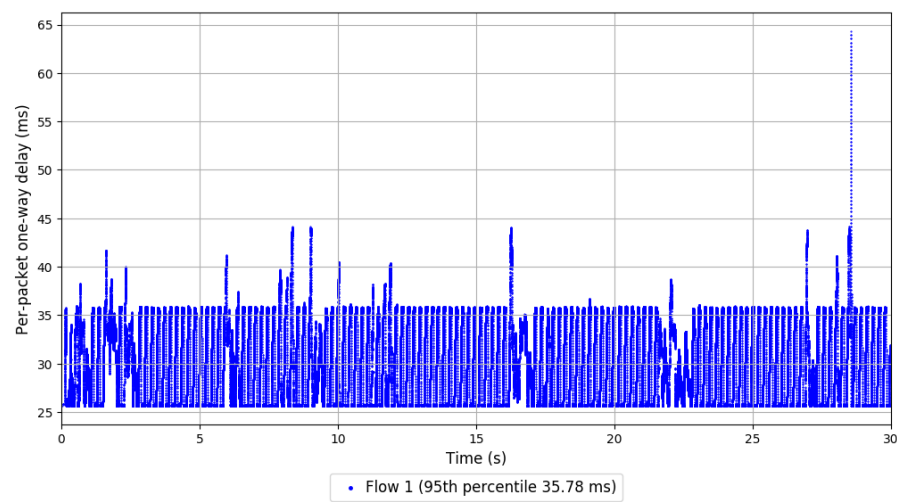
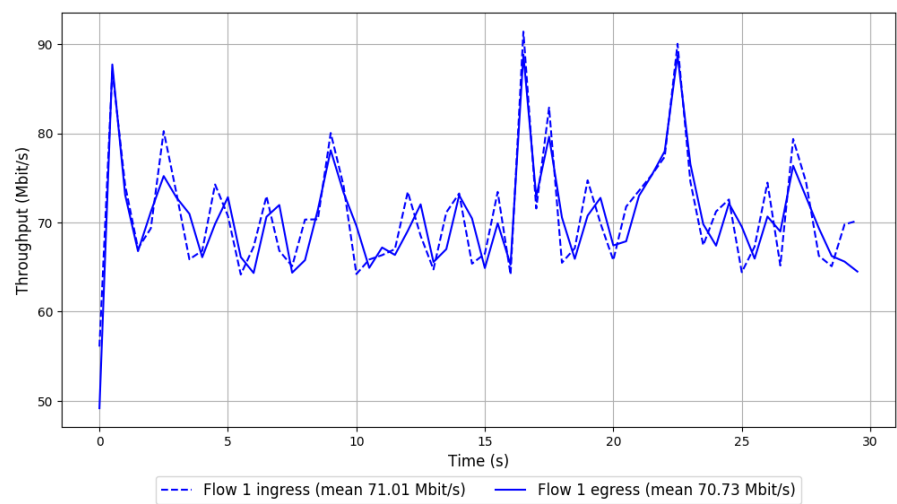


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-13 00:13:58
End at: 2018-02-13 00:14:28
Local clock offset: 0.76 ms
Remote clock offset: -5.894 ms

Below is generated by plot.py at 2018-02-13 06:24:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 35.783 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 35.783 ms
Loss rate: 0.58%

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

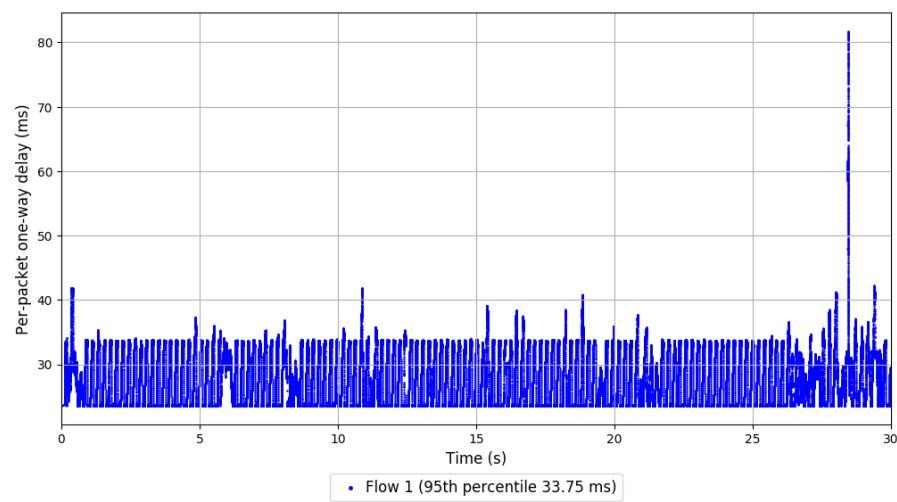
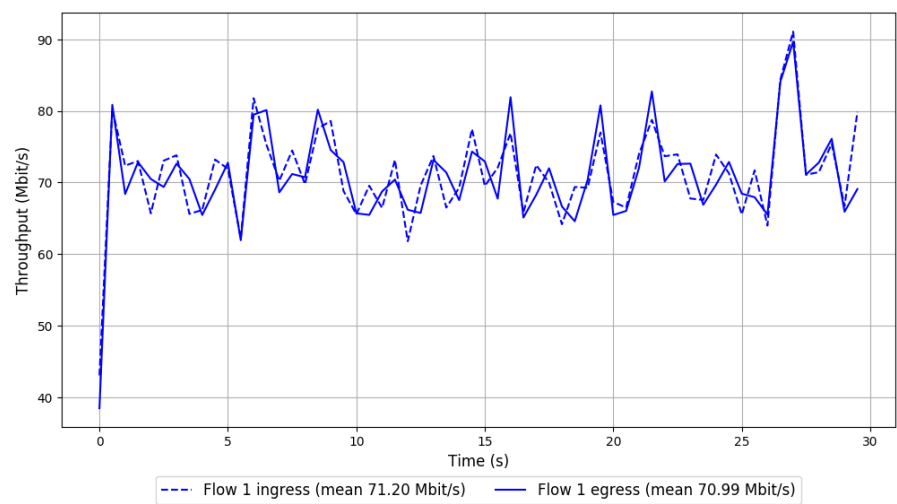


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-13 00:38:27
End at: 2018-02-13 00:38:57
Local clock offset: -0.555 ms
Remote clock offset: -5.616 ms

Below is generated by plot.py at 2018-02-13 06:24:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 33.746 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 33.746 ms
Loss rate: 0.49%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-13 01:02:45

End at: 2018-02-13 01:03:15

Local clock offset: 2.273 ms

Remote clock offset: -5.187 ms

Below is generated by plot.py at 2018-02-13 06:25:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.35 Mbit/s

95th percentile per-packet one-way delay: 33.090 ms

Loss rate: 0.51%

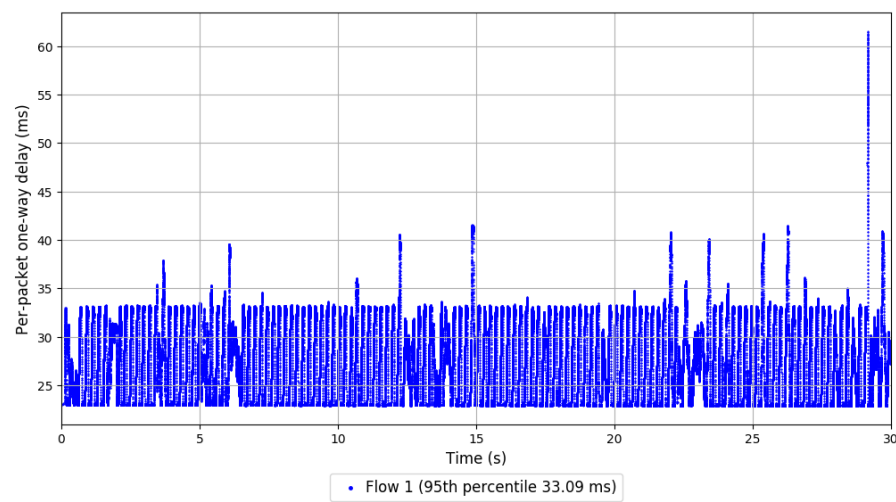
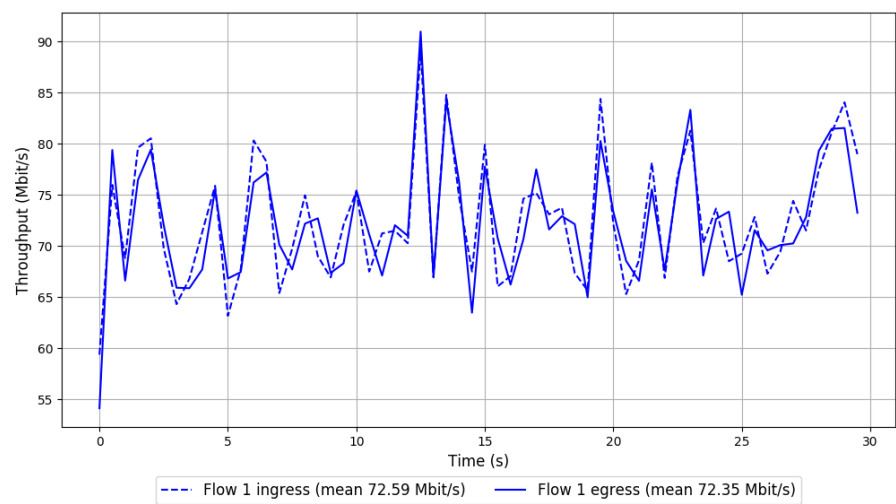
-- Flow 1:

Average throughput: 72.35 Mbit/s

95th percentile per-packet one-way delay: 33.090 ms

Loss rate: 0.51%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-13 01:26:51

End at: 2018-02-13 01:27:21

Local clock offset: 2.534 ms

Remote clock offset: -9.992 ms

Below is generated by plot.py at 2018-02-13 06:25:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.98 Mbit/s

95th percentile per-packet one-way delay: 37.015 ms

Loss rate: 0.53%

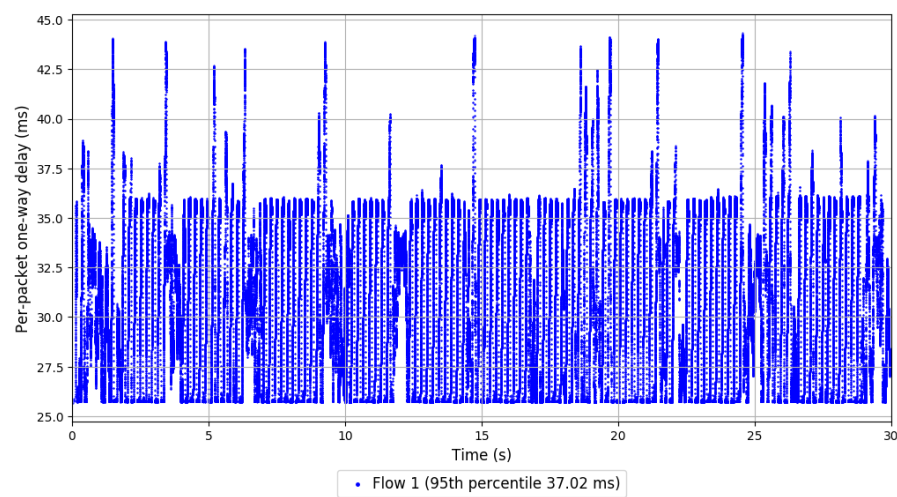
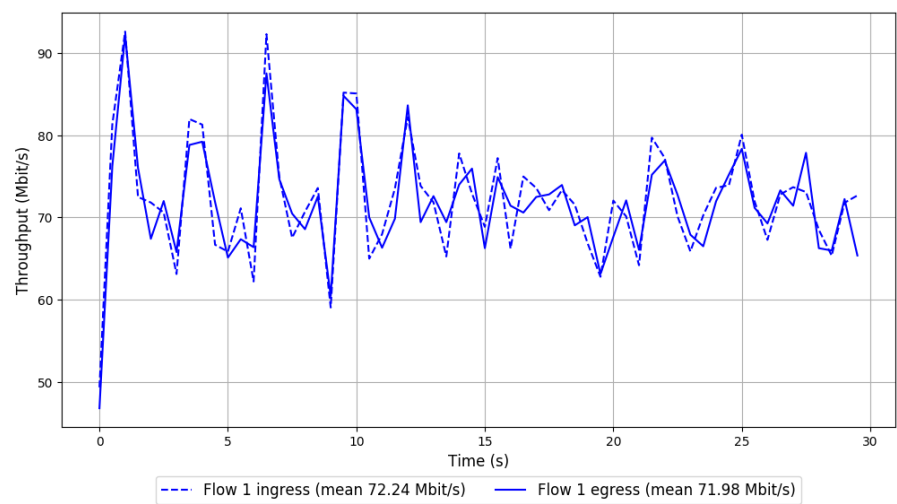
-- Flow 1:

Average throughput: 71.98 Mbit/s

95th percentile per-packet one-way delay: 37.015 ms

Loss rate: 0.53%

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

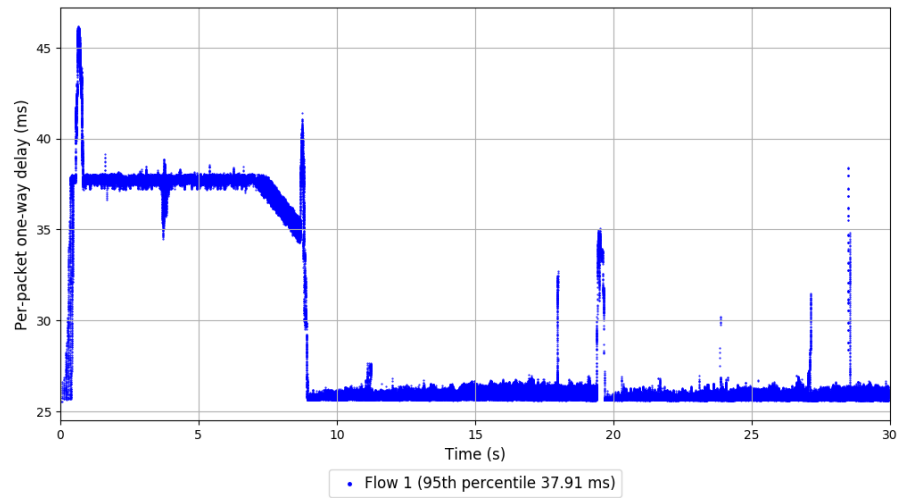
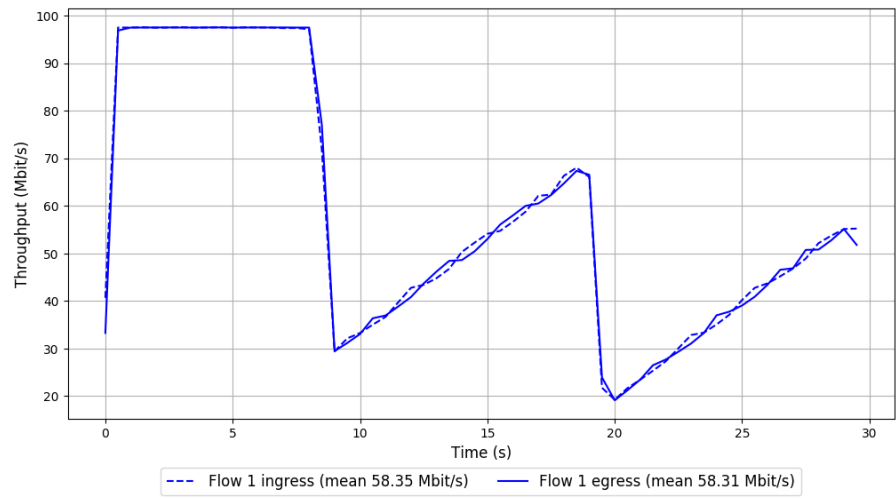


Run 1: Statistics of TCP Vegas

Start at: 2018-02-12 21:46:20
End at: 2018-02-12 21:46:50
Local clock offset: 4.529 ms
Remote clock offset: -6.541 ms

Below is generated by plot.py at 2018-02-13 06:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 37.912 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 37.912 ms
Loss rate: 0.23%

Run 1: Report of TCP Vegas — Data Link

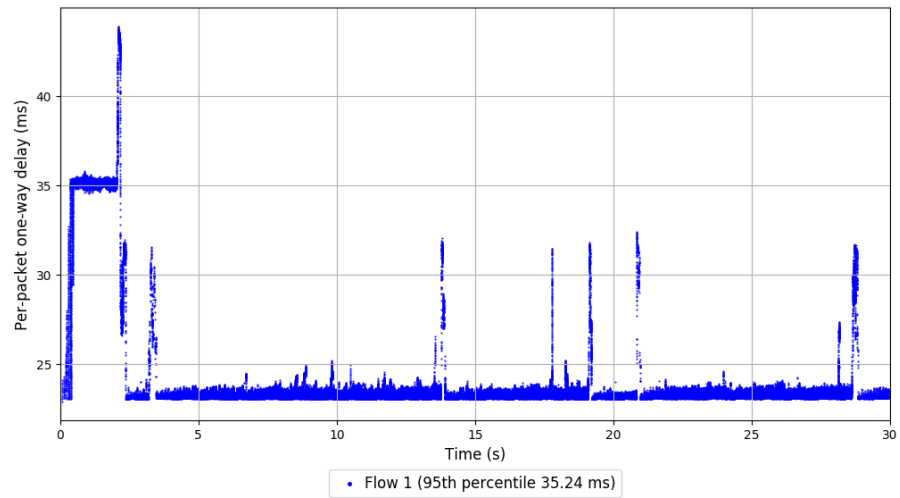
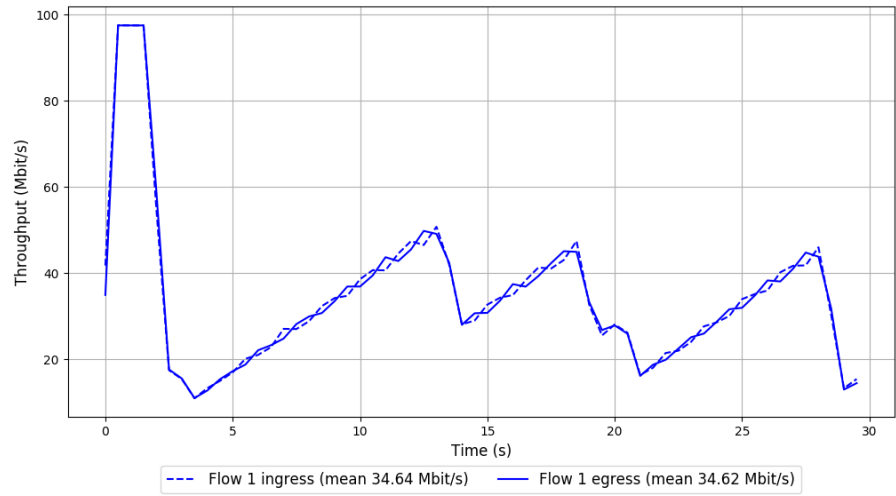


Run 2: Statistics of TCP Vegas

Start at: 2018-02-12 22:10:16
End at: 2018-02-12 22:10:46
Local clock offset: 2.137 ms
Remote clock offset: -3.673 ms

Below is generated by plot.py at 2018-02-13 06:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 35.243 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 35.243 ms
Loss rate: 0.23%

Run 2: Report of TCP Vegas — Data Link

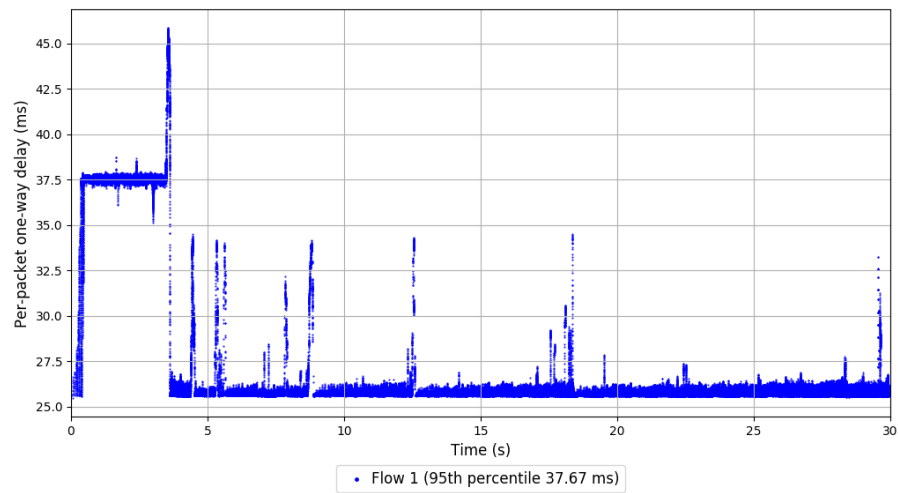
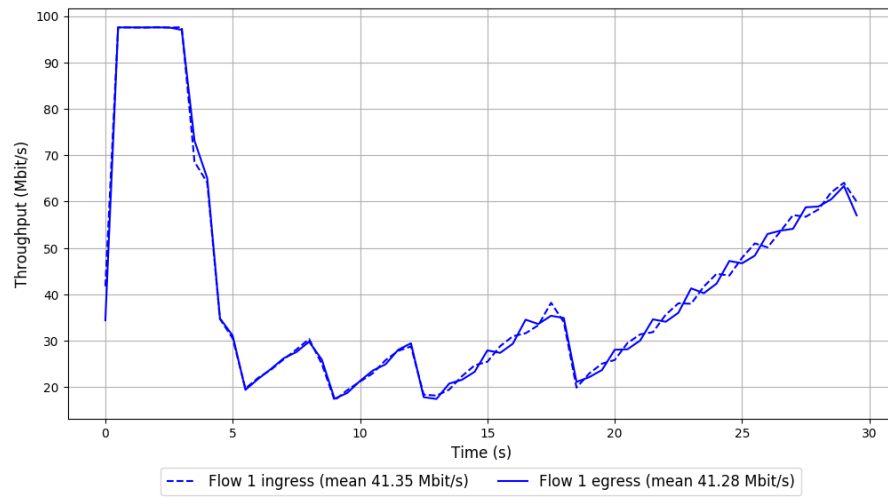


Run 3: Statistics of TCP Vegas

Start at: 2018-02-12 22:34:27
End at: 2018-02-12 22:34:57
Local clock offset: 2.203 ms
Remote clock offset: -5.872 ms

Below is generated by plot.py at 2018-02-13 06:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.28 Mbit/s
95th percentile per-packet one-way delay: 37.668 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 41.28 Mbit/s
95th percentile per-packet one-way delay: 37.668 ms
Loss rate: 0.34%

Run 3: Report of TCP Vegas — Data Link

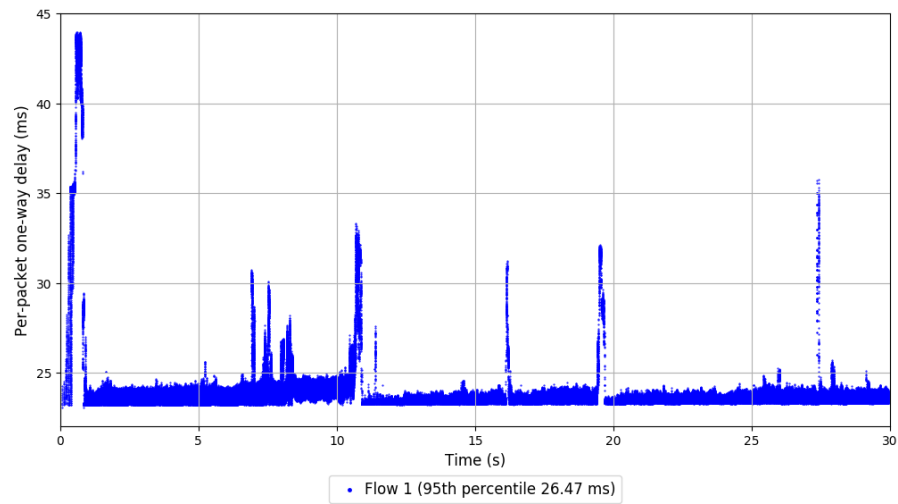
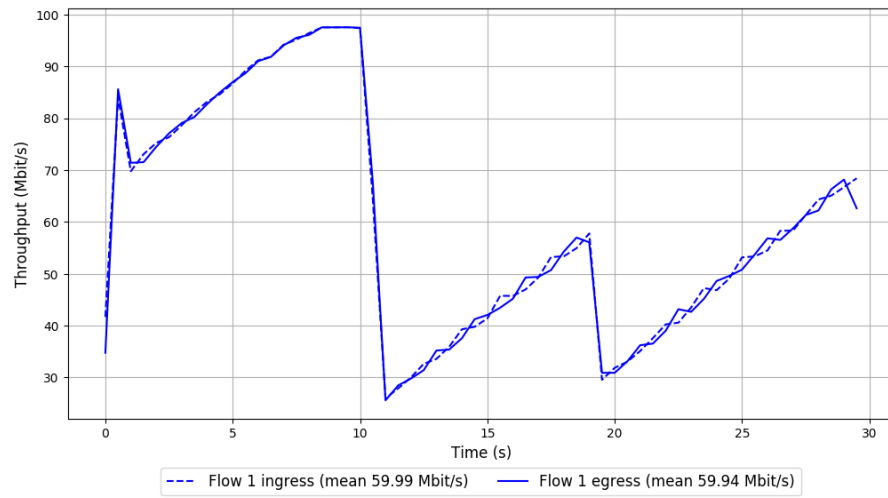


Run 4: Statistics of TCP Vegas

Start at: 2018-02-12 22:58:28
End at: 2018-02-12 22:58:58
Local clock offset: 3.282 ms
Remote clock offset: -2.797 ms

Below is generated by plot.py at 2018-02-13 06:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.94 Mbit/s
95th percentile per-packet one-way delay: 26.470 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 59.94 Mbit/s
95th percentile per-packet one-way delay: 26.470 ms
Loss rate: 0.26%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-12 23:22:27

End at: 2018-02-12 23:22:57

Local clock offset: -0.188 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-02-13 06:25:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.52 Mbit/s

95th percentile per-packet one-way delay: 27.447 ms

Loss rate: 0.18%

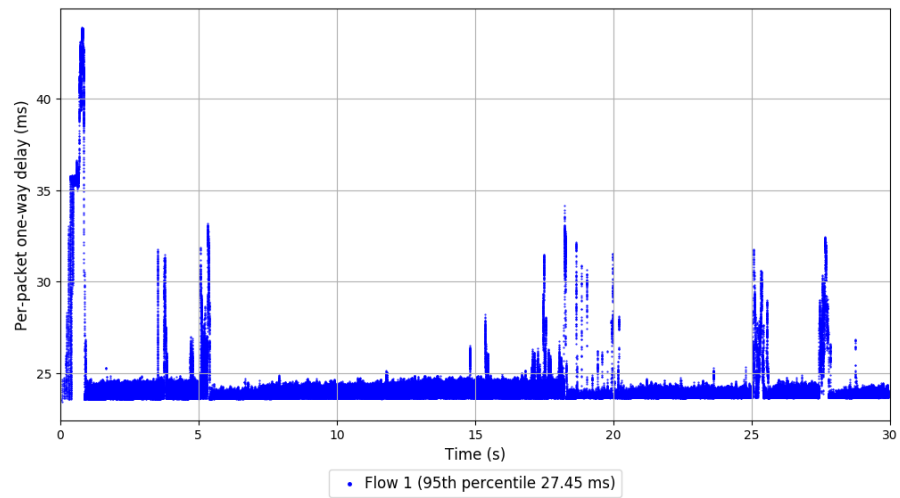
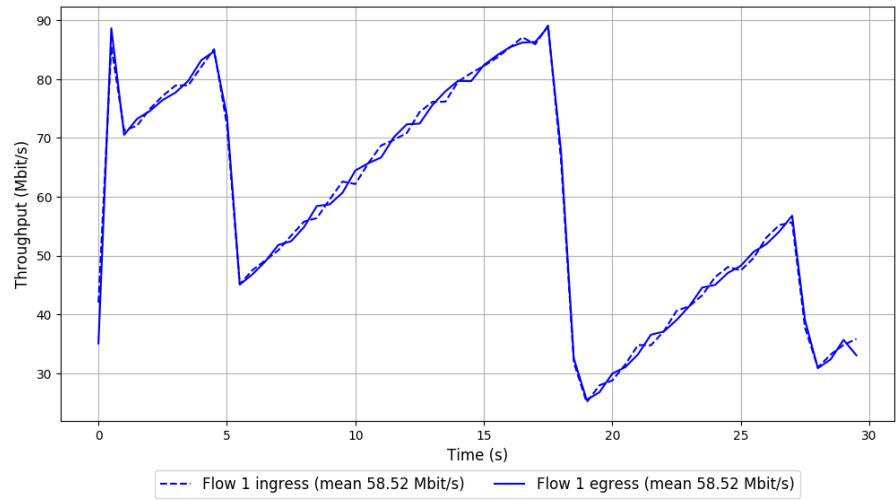
-- Flow 1:

Average throughput: 58.52 Mbit/s

95th percentile per-packet one-way delay: 27.447 ms

Loss rate: 0.18%

Run 5: Report of TCP Vegas — Data Link

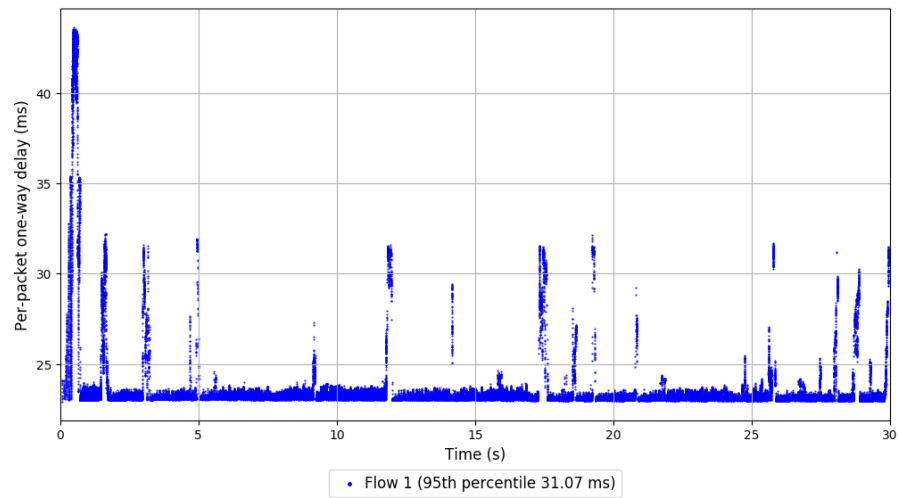
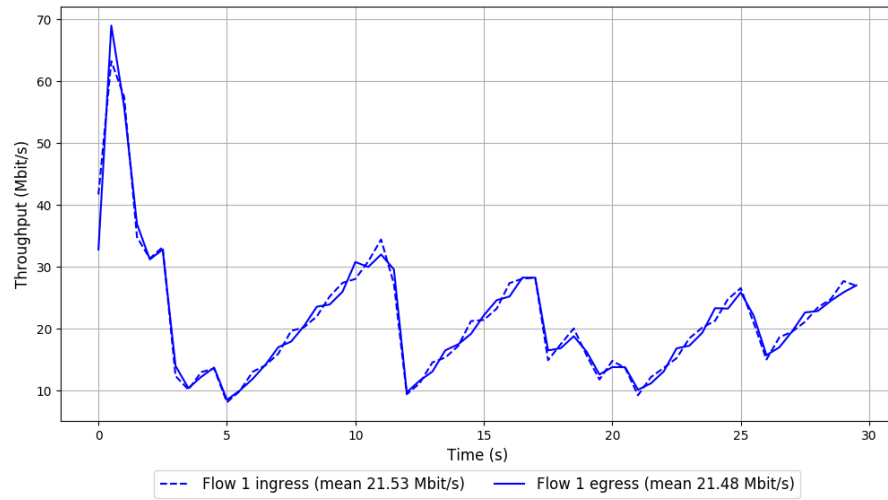


Run 6: Statistics of TCP Vegas

Start at: 2018-02-12 23:46:36
End at: 2018-02-12 23:47:06
Local clock offset: 0.243 ms
Remote clock offset: -1.763 ms

Below is generated by plot.py at 2018-02-13 06:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 31.071 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 31.071 ms
Loss rate: 0.43%

Run 6: Report of TCP Vegas — Data Link

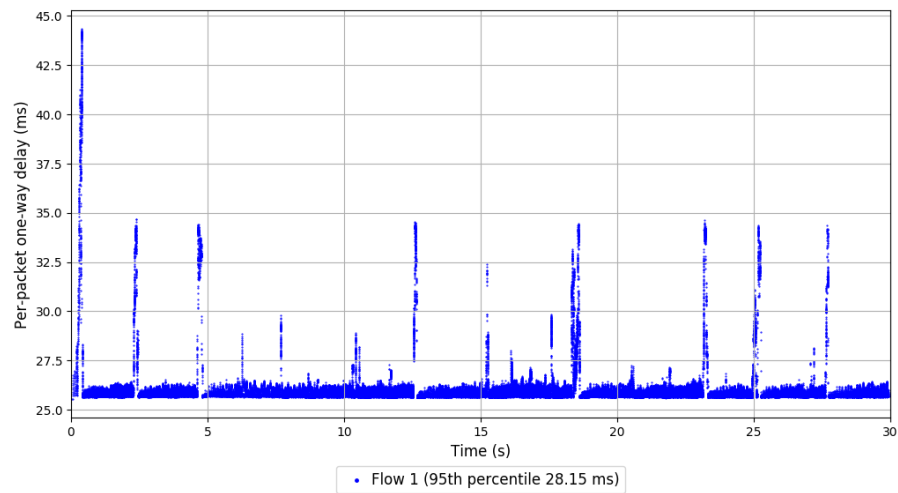
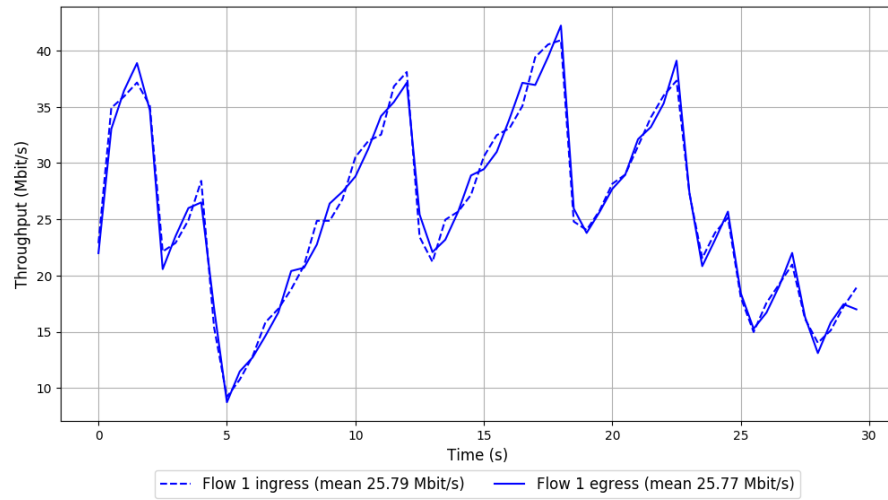


Run 7: Statistics of TCP Vegas

Start at: 2018-02-13 00:11:17
End at: 2018-02-13 00:11:47
Local clock offset: 1.009 ms
Remote clock offset: -5.558 ms

Below is generated by plot.py at 2018-02-13 06:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 28.149 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 28.149 ms
Loss rate: 0.25%

Run 7: Report of TCP Vegas — Data Link

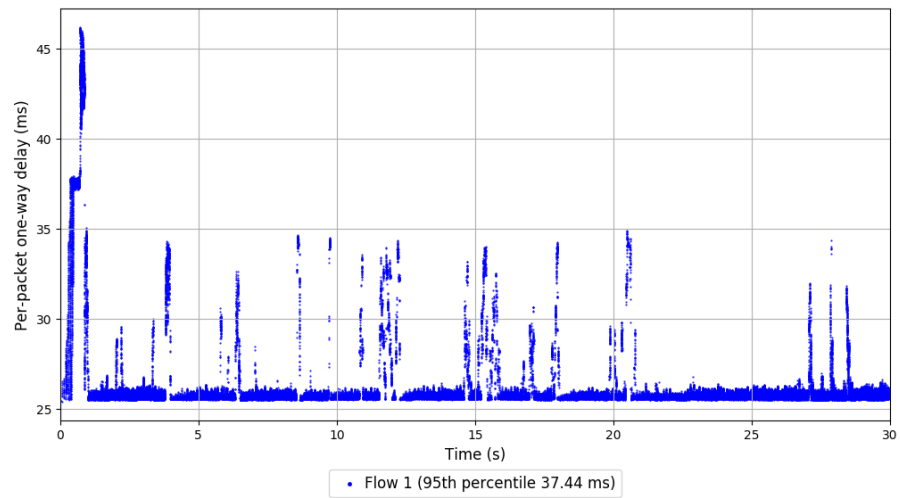
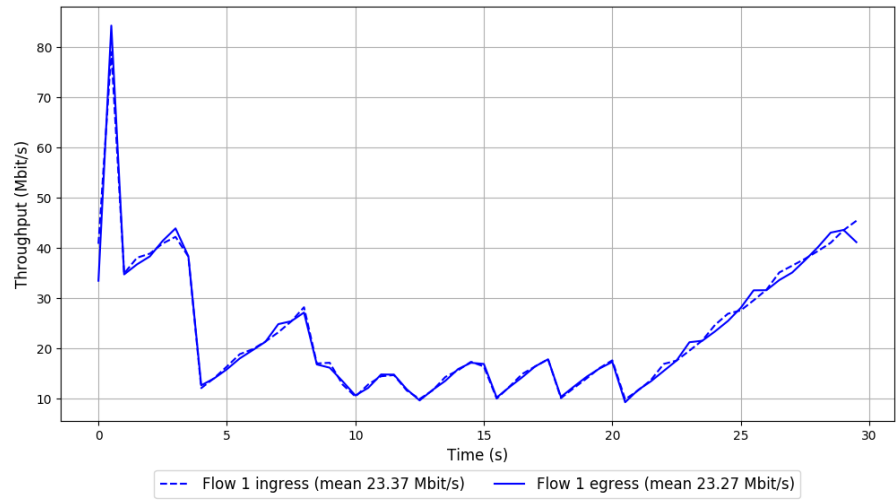


Run 8: Statistics of TCP Vegas

Start at: 2018-02-13 00:35:45
End at: 2018-02-13 00:36:15
Local clock offset: -0.493 ms
Remote clock offset: -7.441 ms

Below is generated by plot.py at 2018-02-13 06:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 37.443 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 37.443 ms
Loss rate: 0.61%

Run 8: Report of TCP Vegas — Data Link

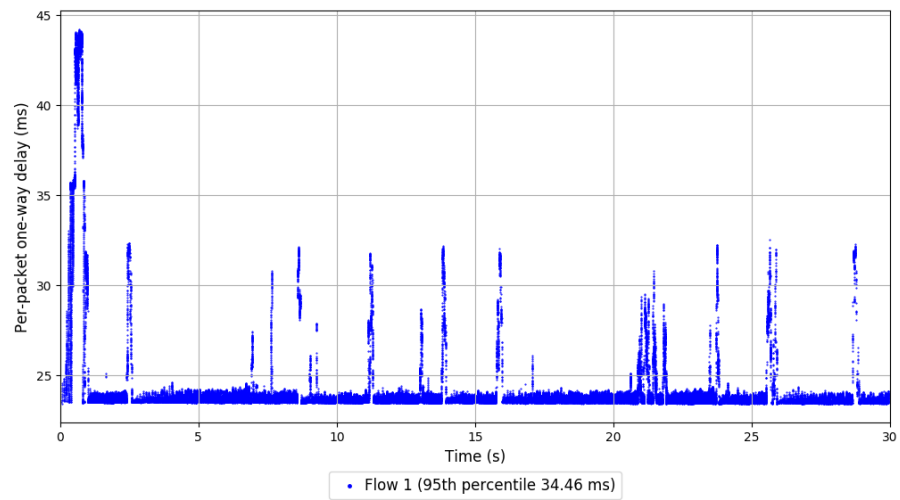
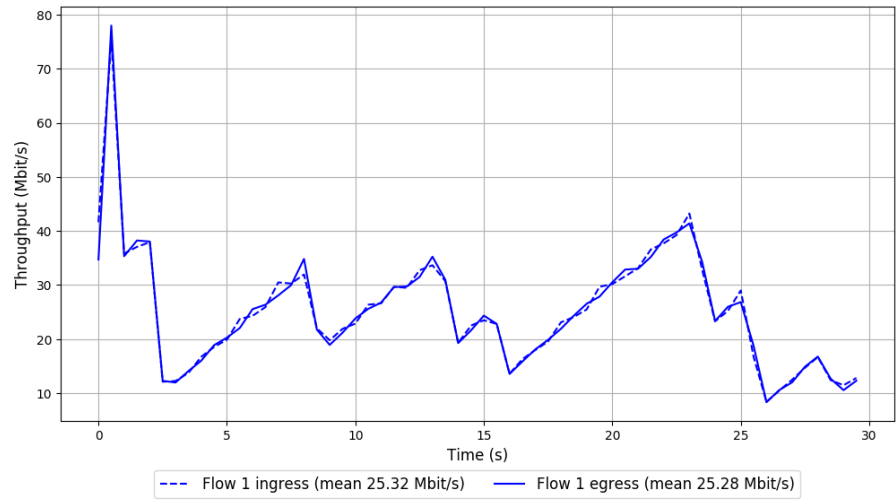


Run 9: Statistics of TCP Vegas

Start at: 2018-02-13 00:59:57
End at: 2018-02-13 01:00:27
Local clock offset: 2.122 ms
Remote clock offset: -5.463 ms

Below is generated by plot.py at 2018-02-13 06:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 34.461 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 34.461 ms
Loss rate: 0.35%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-13 01:24:08

End at: 2018-02-13 01:24:38

Local clock offset: 2.812 ms

Remote clock offset: -9.753 ms

Below is generated by plot.py at 2018-02-13 06:25:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.91 Mbit/s

95th percentile per-packet one-way delay: 31.156 ms

Loss rate: 0.50%

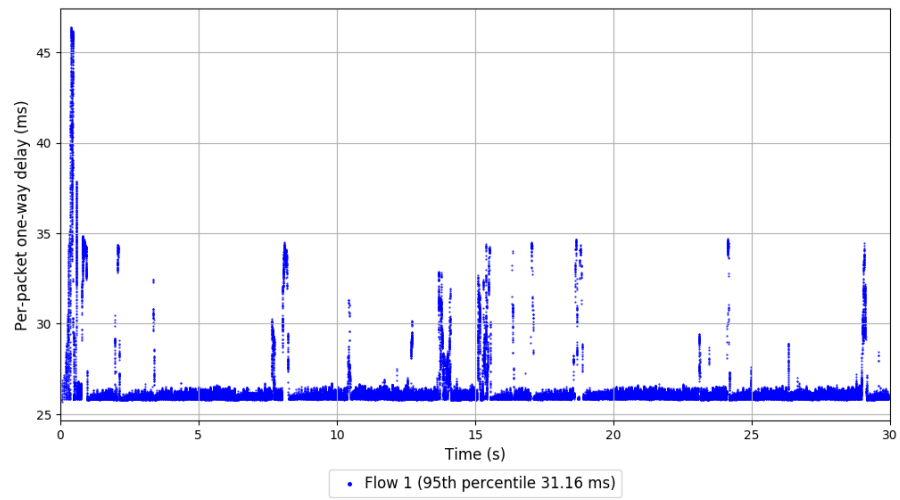
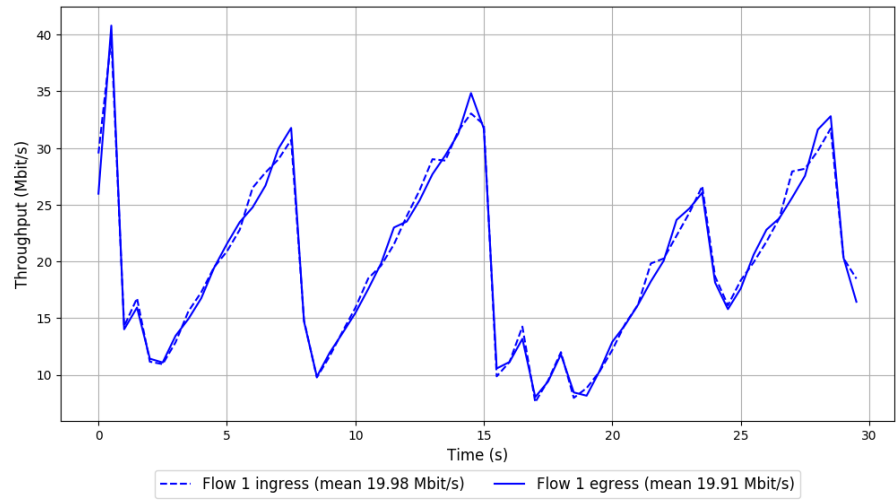
-- Flow 1:

Average throughput: 19.91 Mbit/s

95th percentile per-packet one-way delay: 31.156 ms

Loss rate: 0.50%

Run 10: Report of TCP Vegas — Data Link

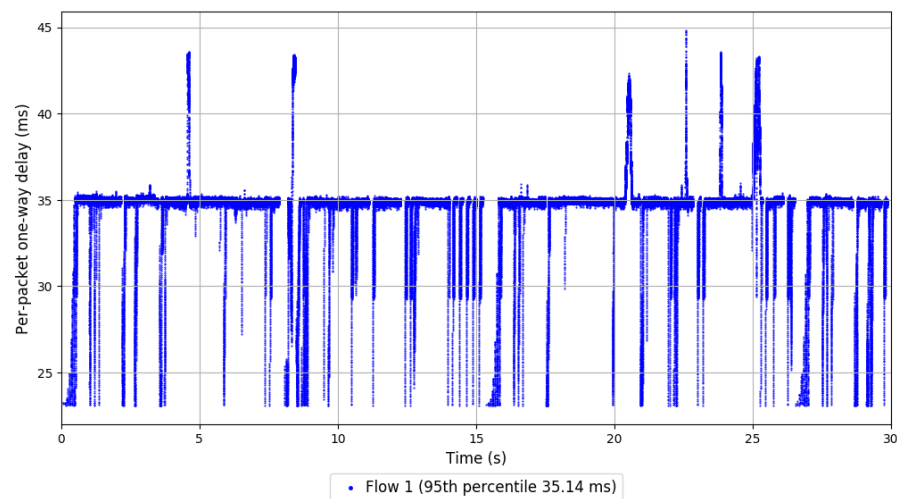
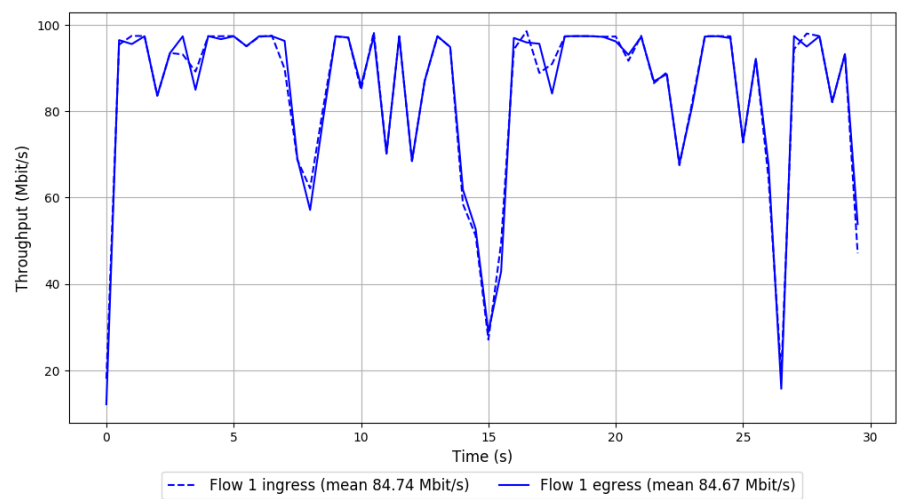


Run 1: Statistics of Verus

Start at: 2018-02-12 21:51:42
End at: 2018-02-12 21:52:12
Local clock offset: 4.98 ms
Remote clock offset: -3.787 ms

Below is generated by plot.py at 2018-02-13 06:26:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 35.138 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 35.138 ms
Loss rate: 0.04%

Run 1: Report of Verus — Data Link

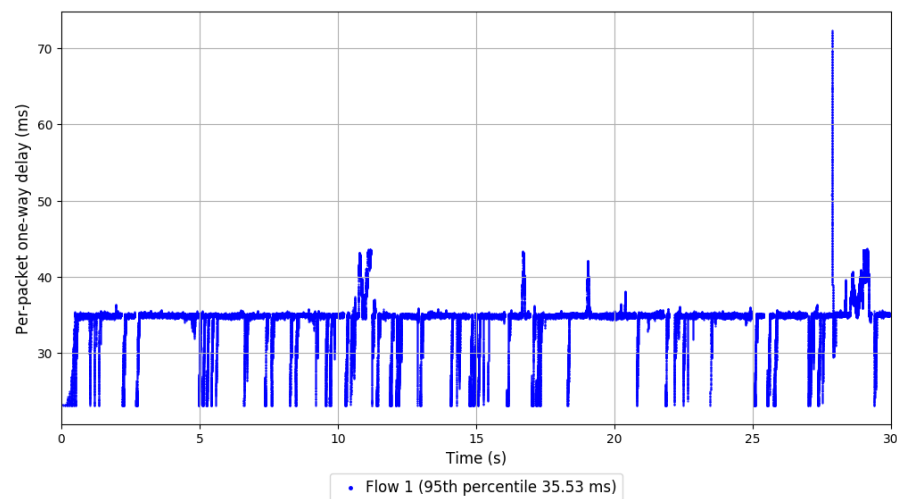
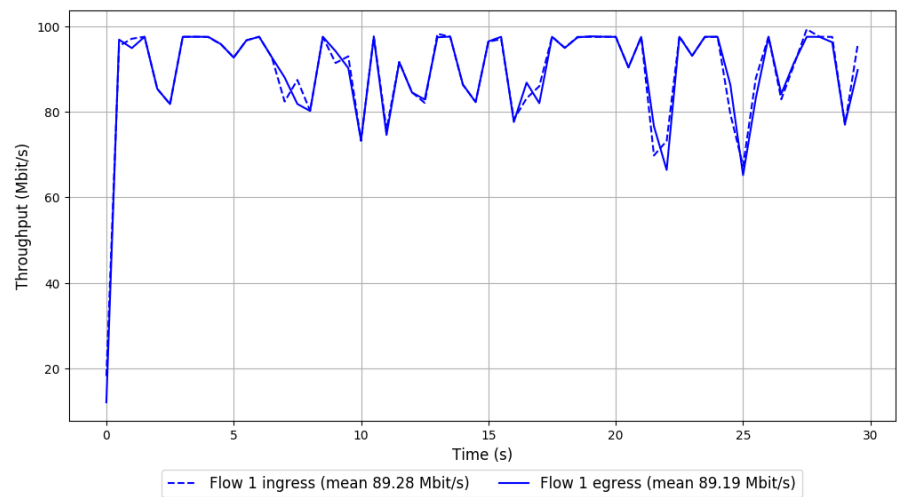


Run 2: Statistics of Verus

Start at: 2018-02-12 22:15:40
End at: 2018-02-12 22:16:10
Local clock offset: 1.838 ms
Remote clock offset: -3.884 ms

Below is generated by plot.py at 2018-02-13 06:26:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 35.528 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 35.528 ms
Loss rate: 0.29%

Run 2: Report of Verus — Data Link

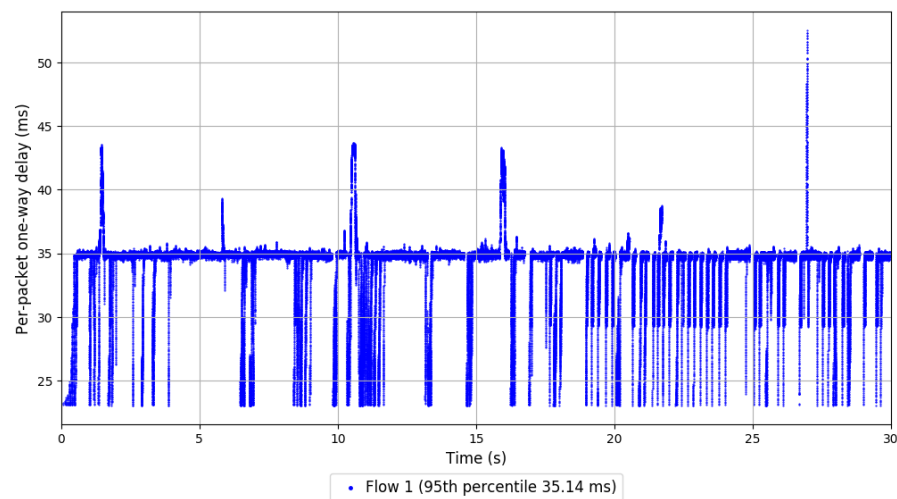
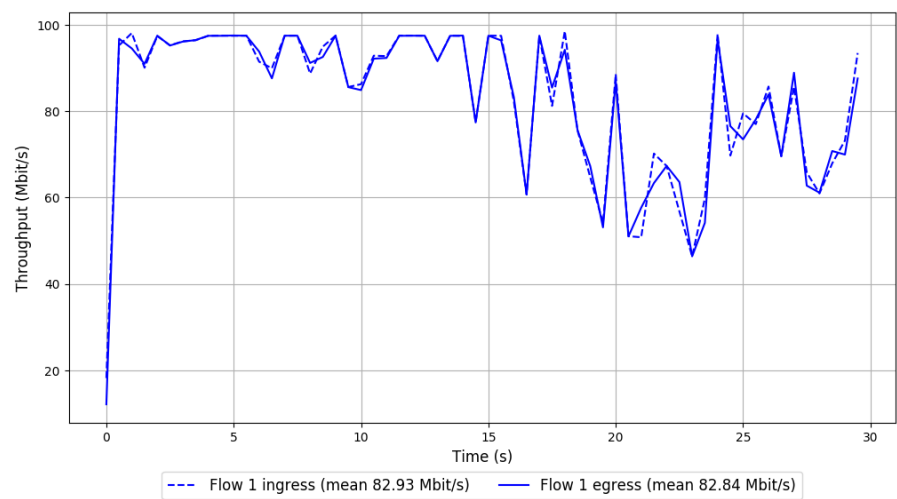


Run 3: Statistics of Verus

Start at: 2018-02-12 22:39:49
End at: 2018-02-12 22:40:19
Local clock offset: 2.493 ms
Remote clock offset: -3.364 ms

Below is generated by plot.py at 2018-02-13 06:26:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 35.139 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 35.139 ms
Loss rate: 0.32%

Run 3: Report of Verus — Data Link

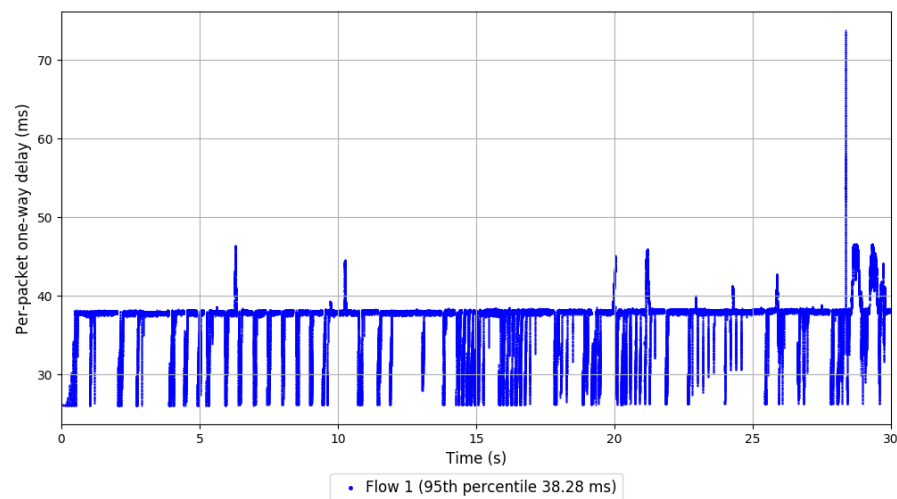
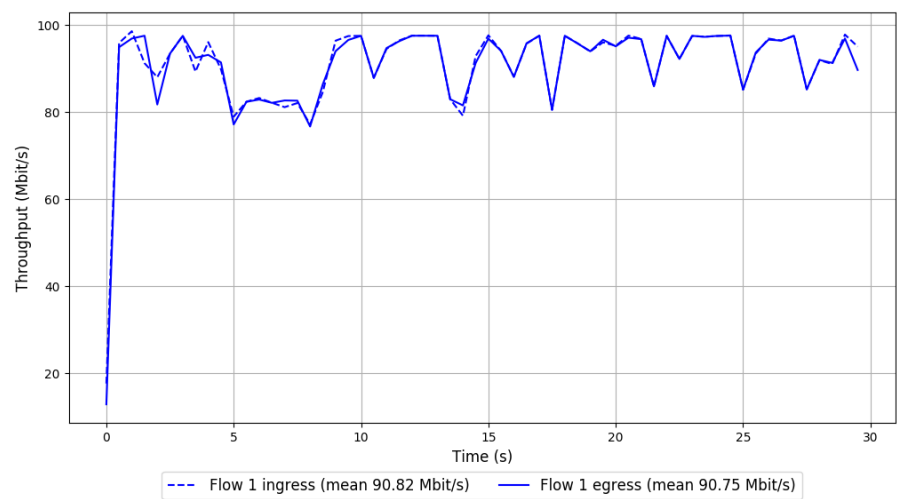


Run 4: Statistics of Verus

Start at: 2018-02-12 23:03:50
End at: 2018-02-12 23:04:20
Local clock offset: 3.313 ms
Remote clock offset: -4.377 ms

Below is generated by plot.py at 2018-02-13 06:26:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.75 Mbit/s
95th percentile per-packet one-way delay: 38.277 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 90.75 Mbit/s
95th percentile per-packet one-way delay: 38.277 ms
Loss rate: 0.25%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-12 23:27:58

End at: 2018-02-12 23:28:28

Local clock offset: -0.498 ms

Remote clock offset: 1.142 ms

Below is generated by plot.py at 2018-02-13 06:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 38.893 ms

Loss rate: 0.40%

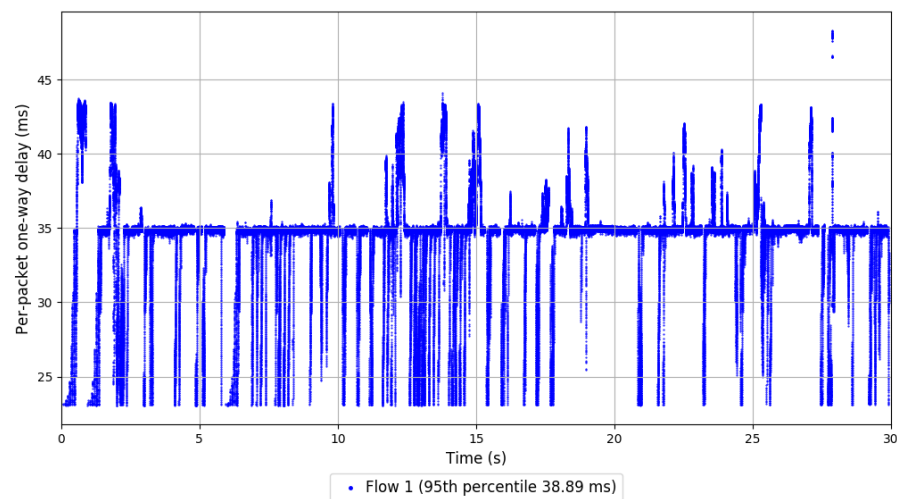
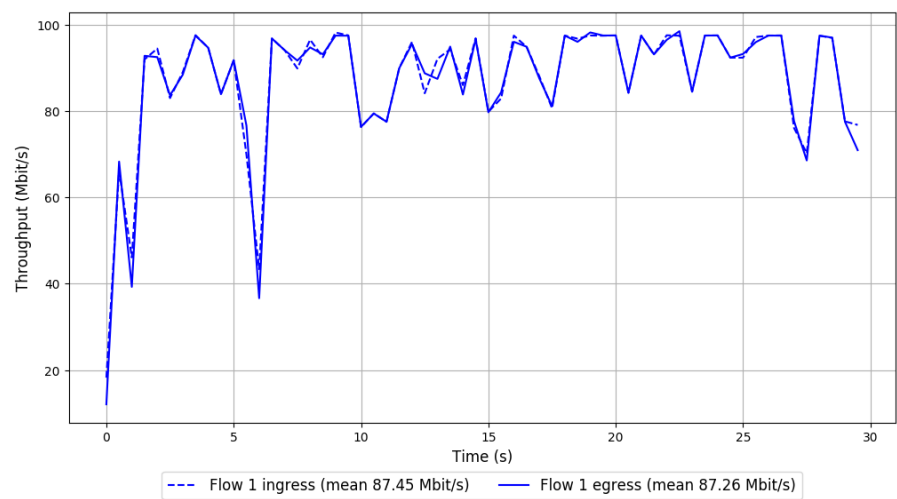
-- Flow 1:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 38.893 ms

Loss rate: 0.40%

Run 5: Report of Verus — Data Link

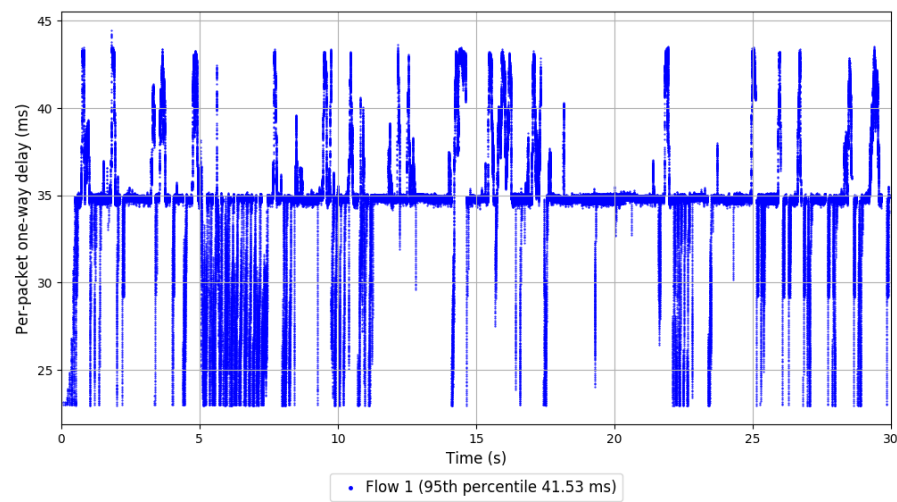
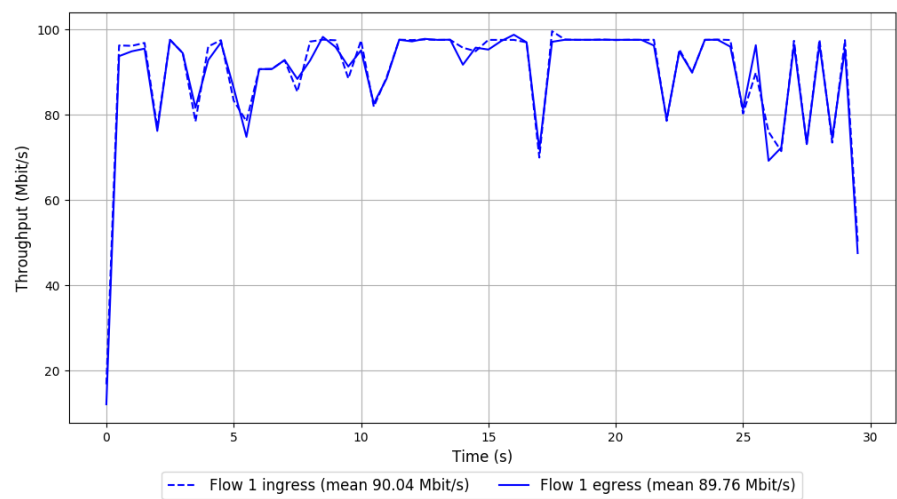


Run 6: Statistics of Verus

Start at: 2018-02-12 23:52:04
End at: 2018-02-12 23:52:34
Local clock offset: 0.669 ms
Remote clock offset: -1.792 ms

Below is generated by plot.py at 2018-02-13 06:26:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 41.528 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 41.528 ms
Loss rate: 0.48%

Run 6: Report of Verus — Data Link

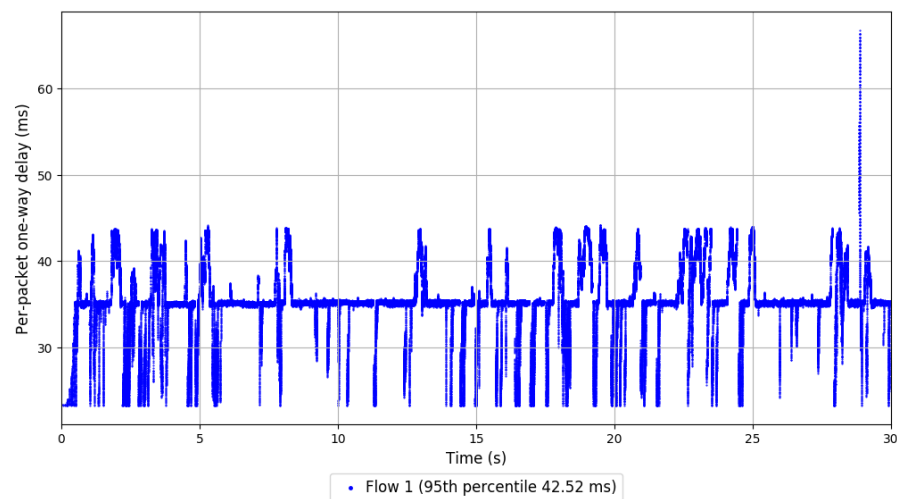
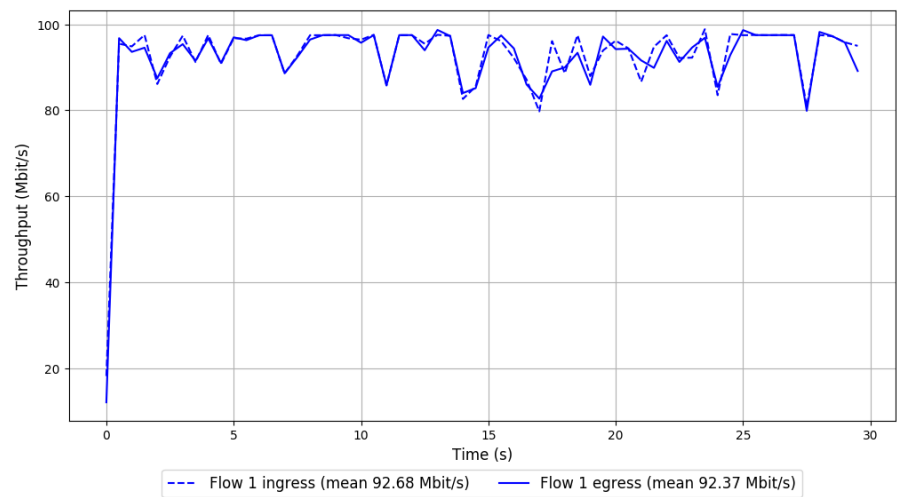


Run 7: Statistics of Verus

Start at: 2018-02-13 00:16:42
End at: 2018-02-13 00:17:12
Local clock offset: 0.49 ms
Remote clock offset: -3.857 ms

Below is generated by plot.py at 2018-02-13 06:27:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 42.519 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 42.519 ms
Loss rate: 0.50%

Run 7: Report of Verus — Data Link

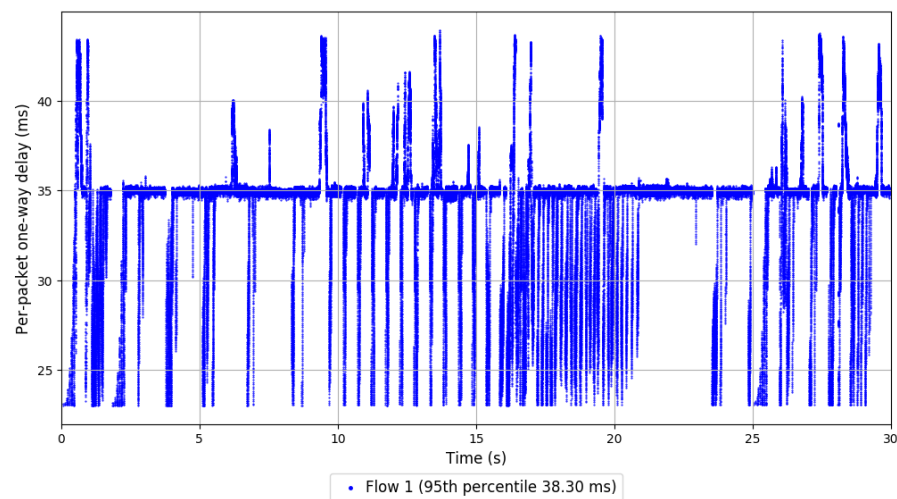
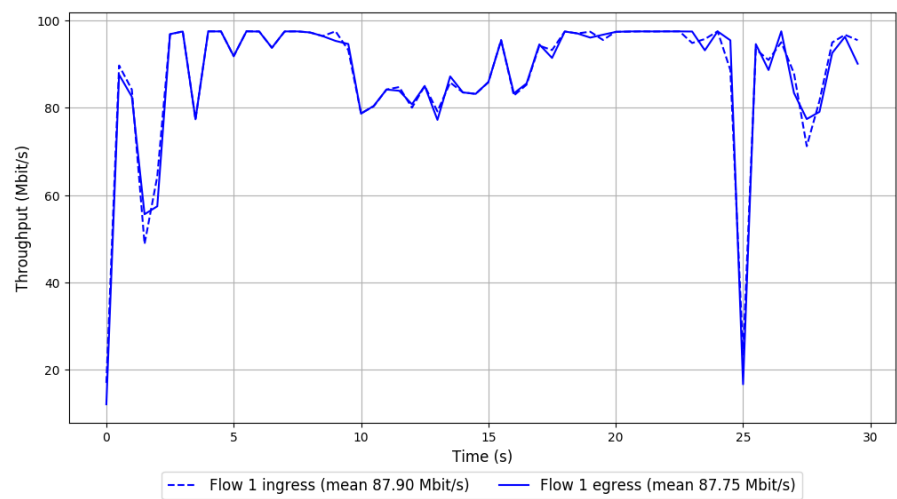


Run 8: Statistics of Verus

Start at: 2018-02-13 00:41:11
End at: 2018-02-13 00:41:41
Local clock offset: -0.612 ms
Remote clock offset: -5.022 ms

Below is generated by plot.py at 2018-02-13 06:27:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: 38.301 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: 38.301 ms
Loss rate: 0.35%

Run 8: Report of Verus — Data Link

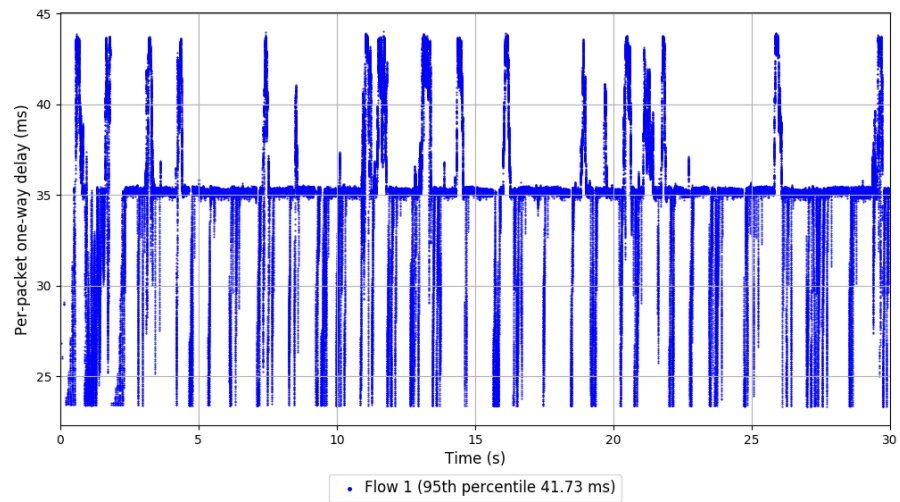
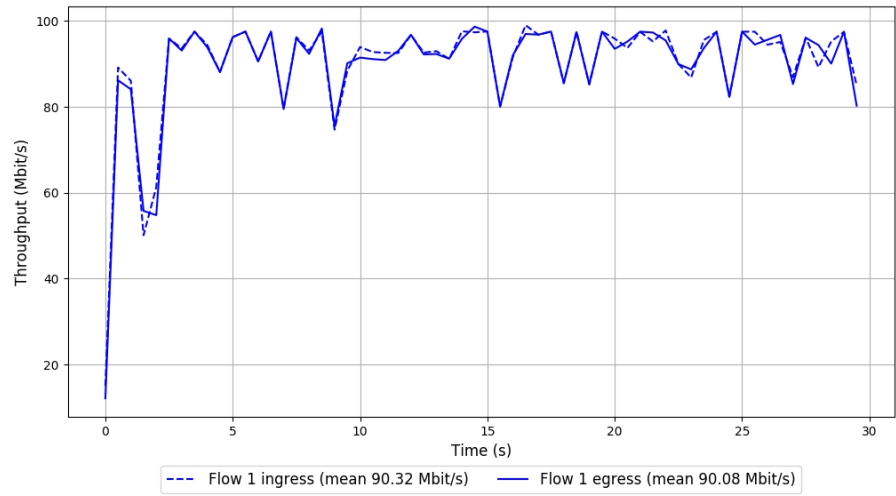


Run 9: Statistics of Verus

Start at: 2018-02-13 01:05:27
End at: 2018-02-13 01:05:57
Local clock offset: 2.506 ms
Remote clock offset: -5.799 ms

Below is generated by plot.py at 2018-02-13 06:27:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.08 Mbit/s
95th percentile per-packet one-way delay: 41.734 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 90.08 Mbit/s
95th percentile per-packet one-way delay: 41.734 ms
Loss rate: 0.44%

Run 9: Report of Verus — Data Link

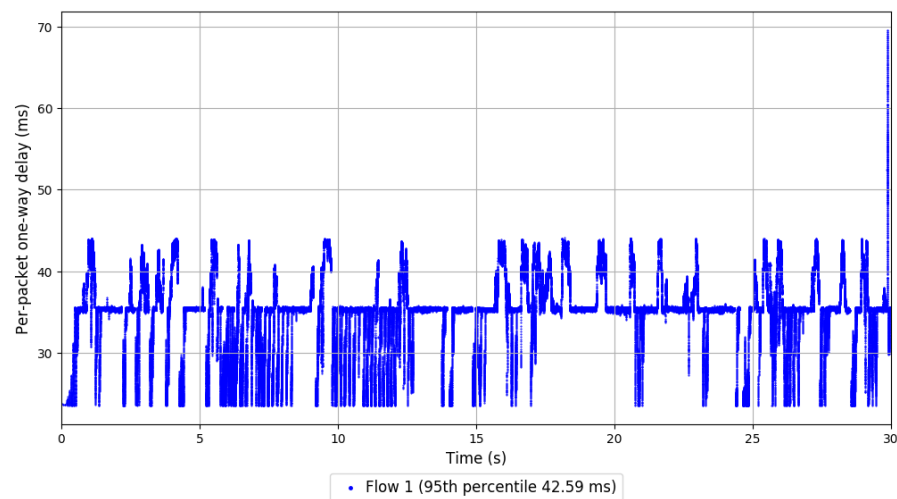
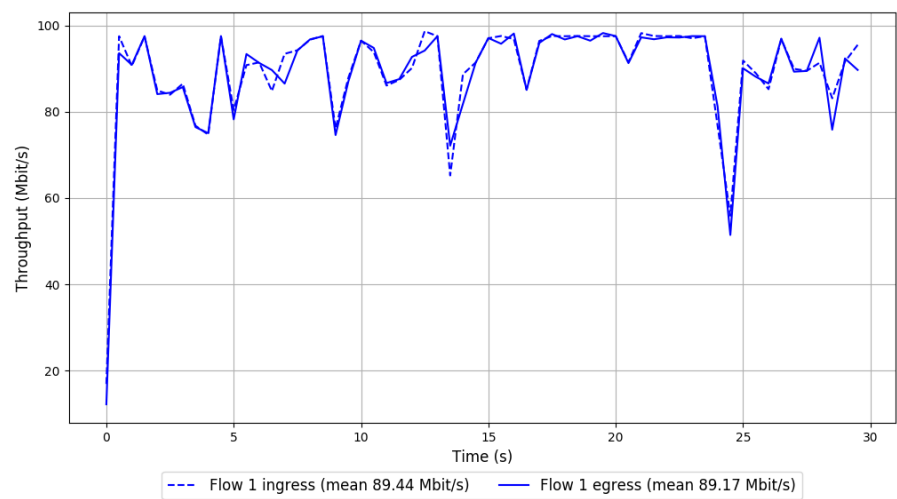


Run 10: Statistics of Verus

Start at: 2018-02-13 01:29:41
End at: 2018-02-13 01:30:11
Local clock offset: 2.203 ms
Remote clock offset: -8.246 ms

Below is generated by plot.py at 2018-02-13 06:27:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 42.594 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 42.594 ms
Loss rate: 0.48%

Run 10: Report of Verus — Data Link

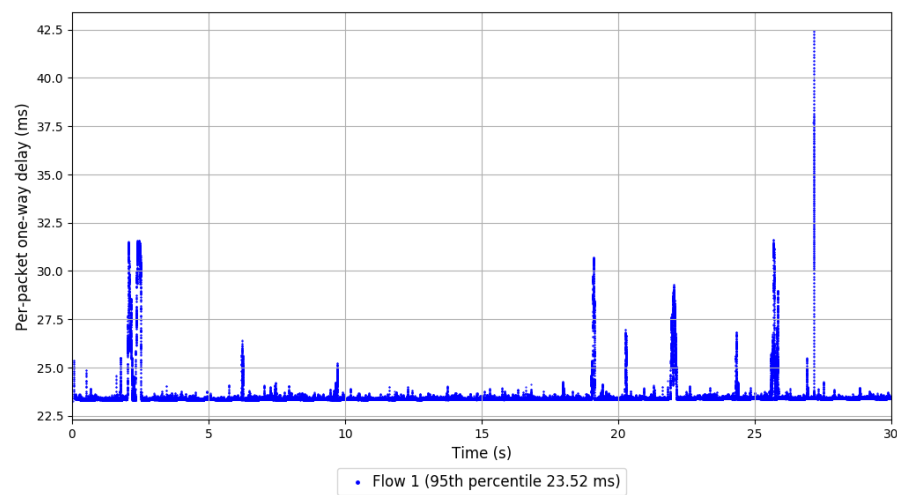
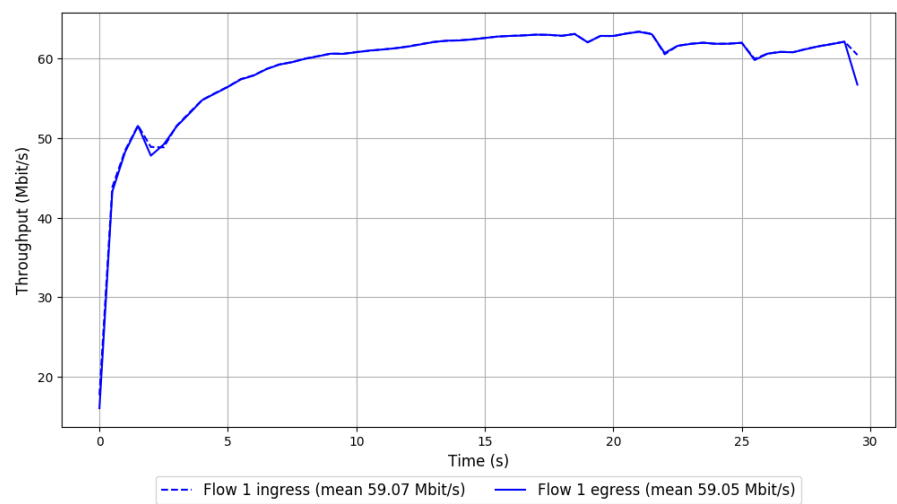


Run 1: Statistics of Copa

Start at: 2018-02-12 22:03:39
End at: 2018-02-12 22:04:09
Local clock offset: 2.991 ms
Remote clock offset: -3.651 ms

Below is generated by plot.py at 2018-02-13 06:27:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.05 Mbit/s
95th percentile per-packet one-way delay: 23.515 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 59.05 Mbit/s
95th percentile per-packet one-way delay: 23.515 ms
Loss rate: 0.22%

Run 1: Report of Copa — Data Link

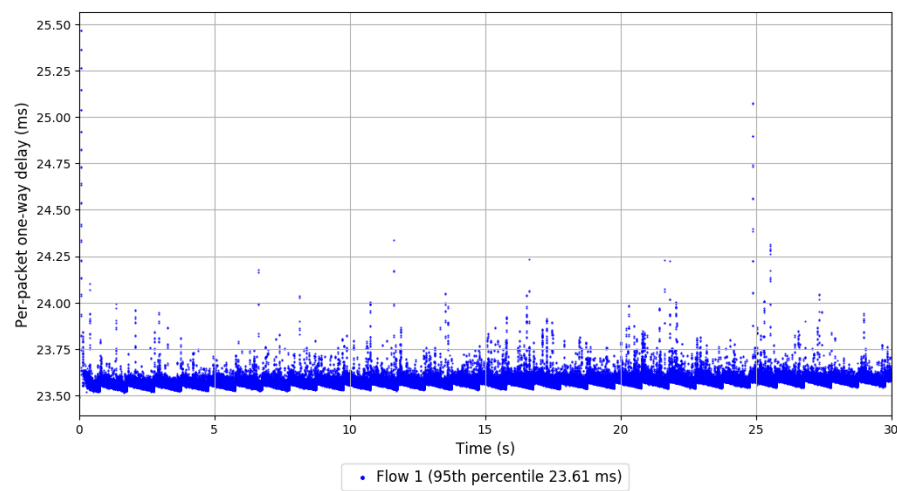
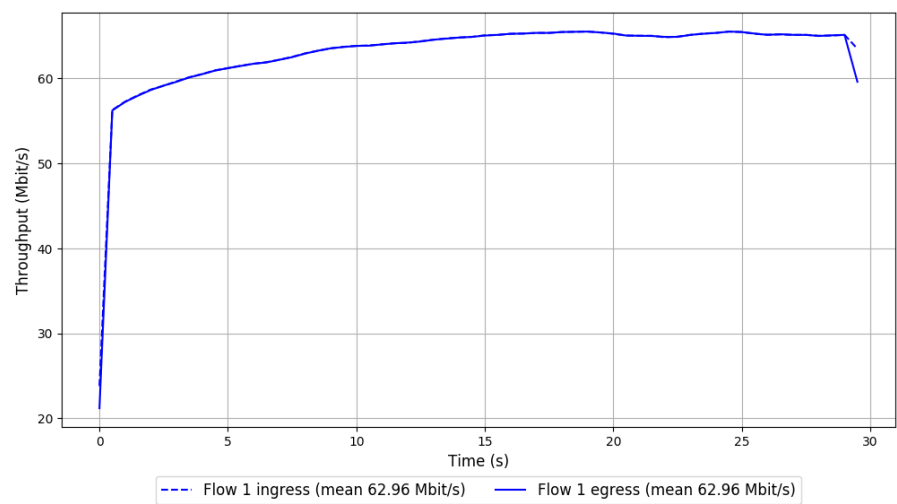


Run 2: Statistics of Copa

Start at: 2018-02-12 22:27:52
End at: 2018-02-12 22:28:22
Local clock offset: 1.64 ms
Remote clock offset: -4.056 ms

Below is generated by plot.py at 2018-02-13 06:28:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.96 Mbit/s
95th percentile per-packet one-way delay: 23.607 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 62.96 Mbit/s
95th percentile per-packet one-way delay: 23.607 ms
Loss rate: 0.18%

Run 2: Report of Copa — Data Link

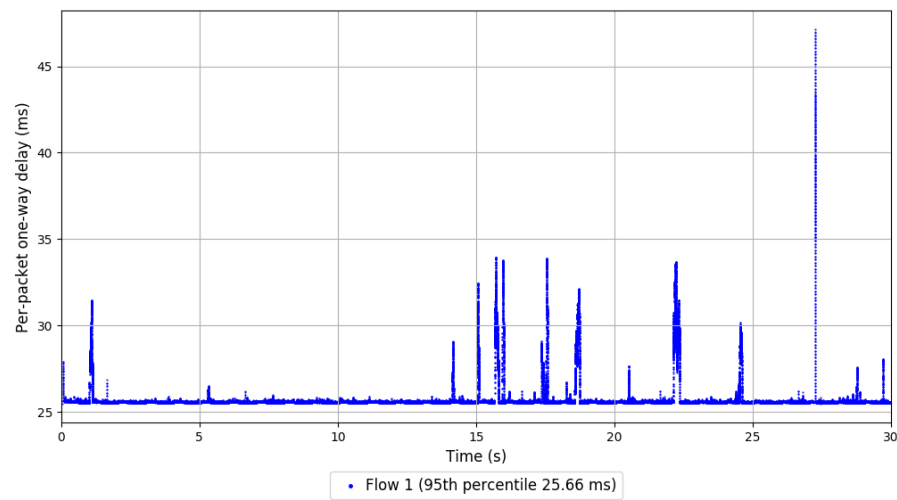
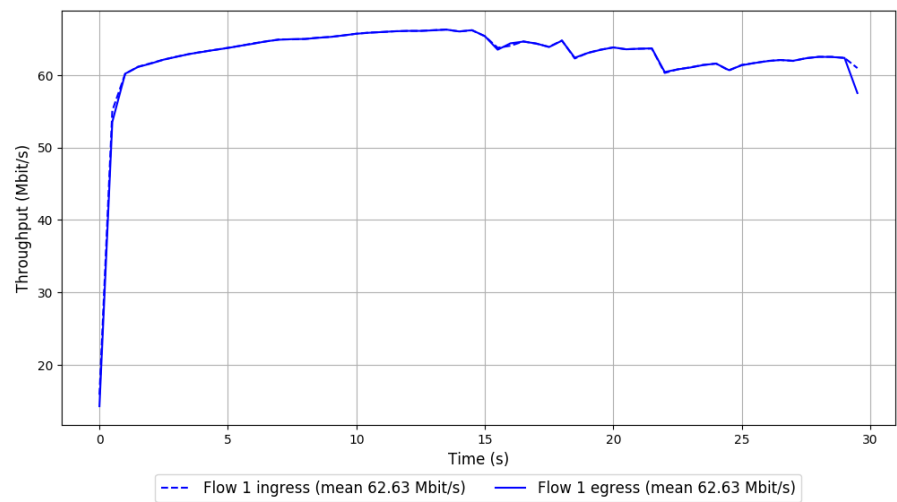


Run 3: Statistics of Copa

Start at: 2018-02-12 22:51:54
End at: 2018-02-12 22:52:24
Local clock offset: 2.992 ms
Remote clock offset: -5.783 ms

Below is generated by plot.py at 2018-02-13 06:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.63 Mbit/s
95th percentile per-packet one-way delay: 25.655 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 62.63 Mbit/s
95th percentile per-packet one-way delay: 25.655 ms
Loss rate: 0.18%

Run 3: Report of Copa — Data Link

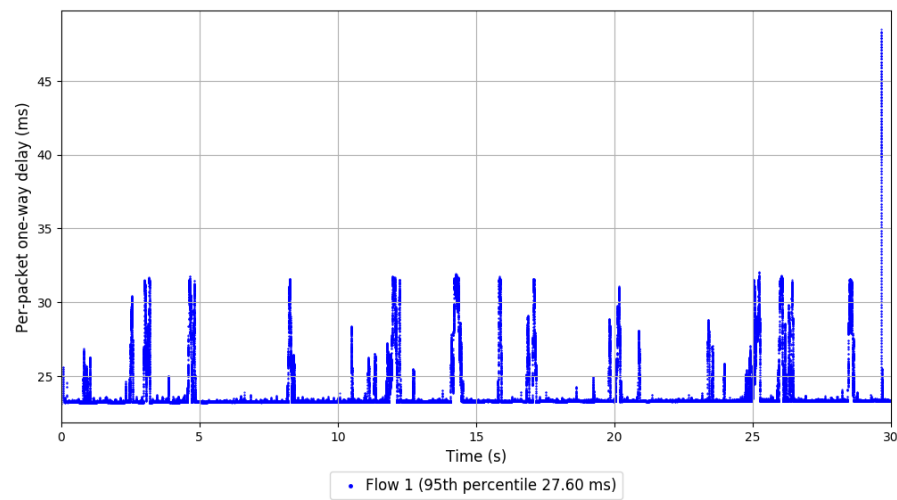
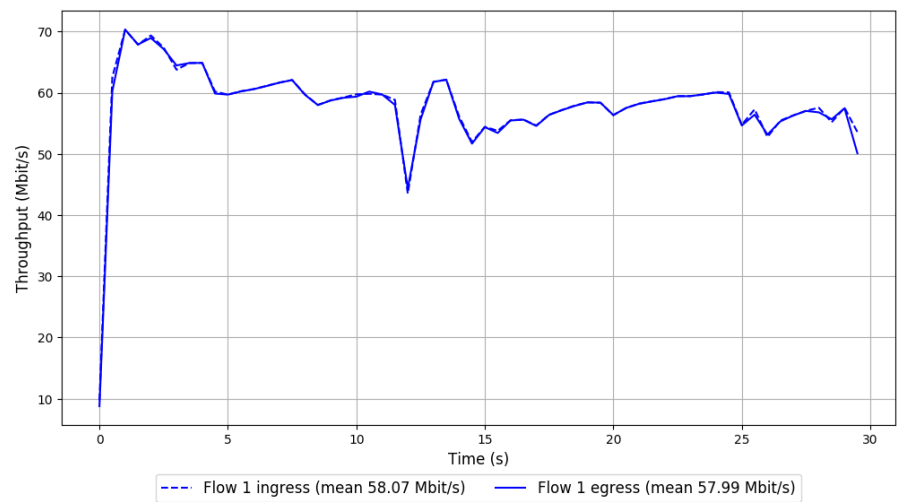


Run 4: Statistics of Copa

Start at: 2018-02-12 23:15:52
End at: 2018-02-12 23:16:22
Local clock offset: 0.367 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-02-13 06:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 27.603 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 27.603 ms
Loss rate: 0.31%

Run 4: Report of Copa — Data Link

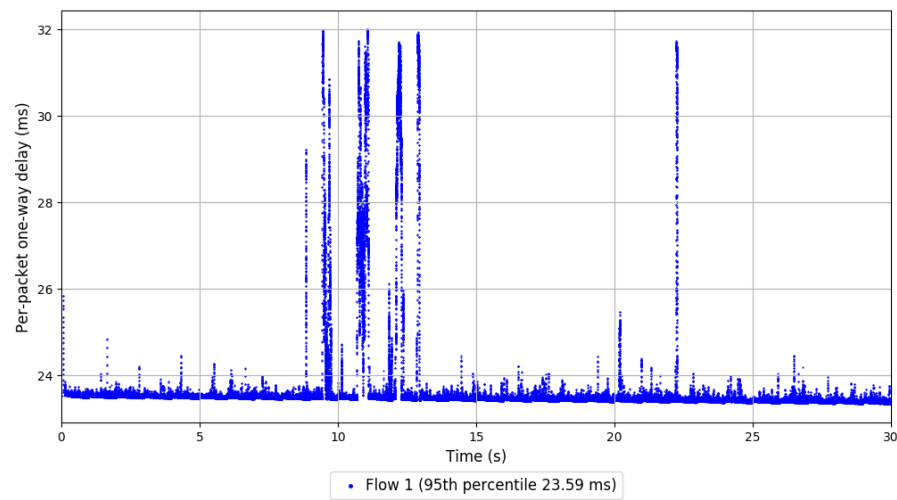
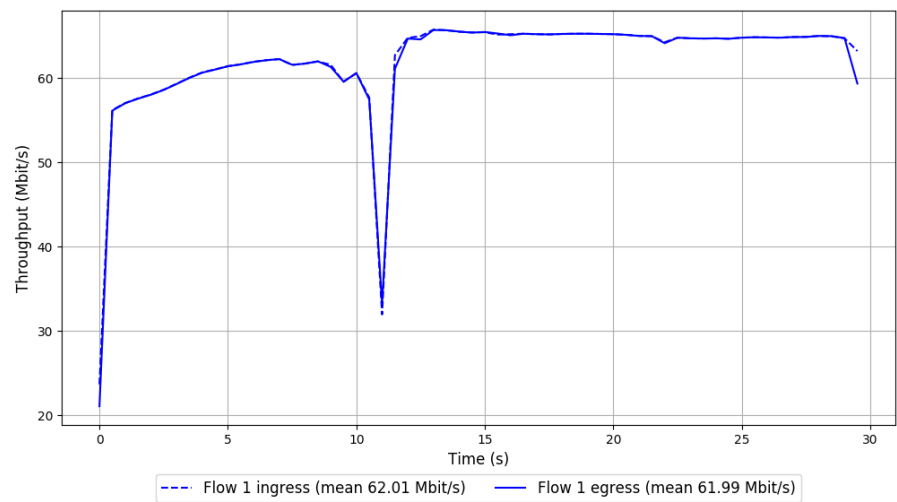


Run 5: Statistics of Copa

Start at: 2018-02-12 23:40:04
End at: 2018-02-12 23:40:34
Local clock offset: -0.476 ms
Remote clock offset: -1.635 ms

Below is generated by plot.py at 2018-02-13 06:28:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 23.595 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 23.595 ms
Loss rate: 0.22%

Run 5: Report of Copa — Data Link

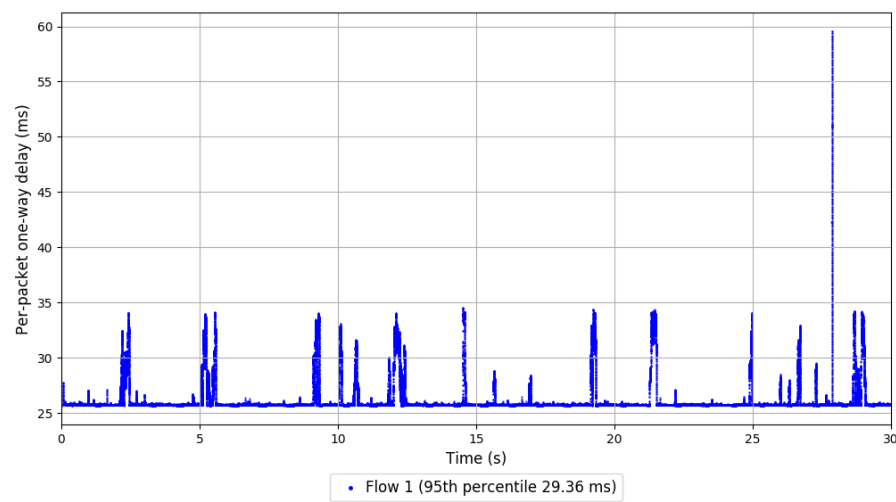
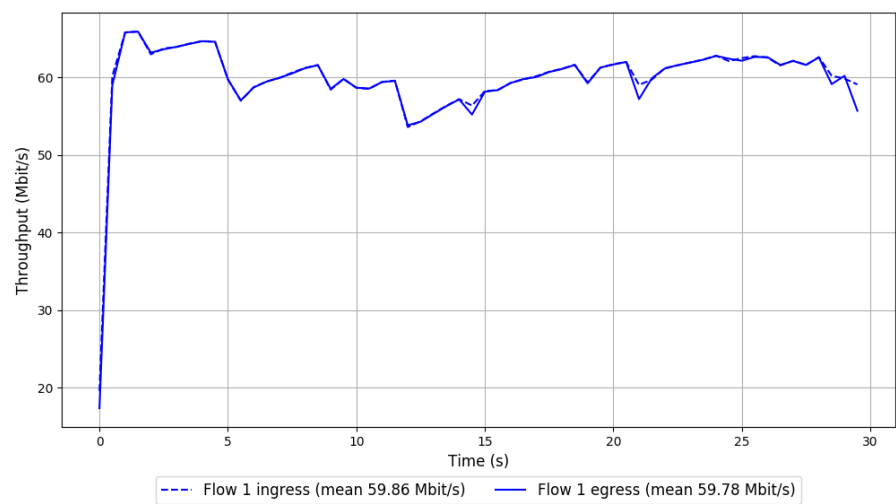


Run 6: Statistics of Copa

Start at: 2018-02-13 00:04:40
End at: 2018-02-13 00:05:10
Local clock offset: 0.951 ms
Remote clock offset: -4.305 ms

Below is generated by plot.py at 2018-02-13 06:28:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 29.356 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 29.356 ms
Loss rate: 0.30%

Run 6: Report of Copa — Data Link

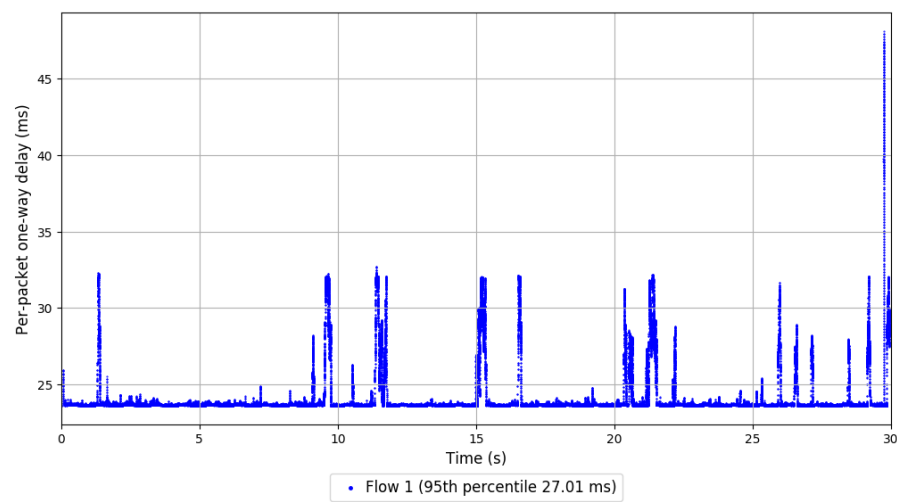
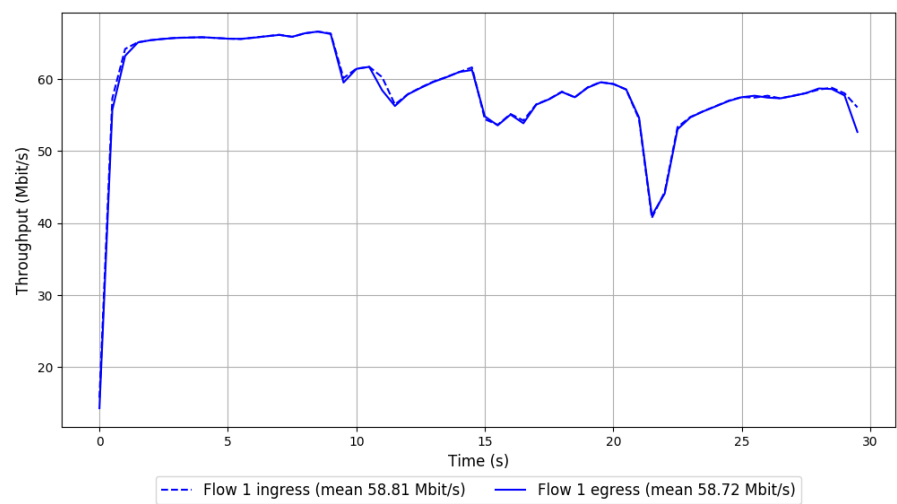


Run 7: Statistics of Copa

Start at: 2018-02-13 00:29:06
End at: 2018-02-13 00:29:36
Local clock offset: -0.188 ms
Remote clock offset: -5.171 ms

Below is generated by plot.py at 2018-02-13 06:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 27.013 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 27.013 ms
Loss rate: 0.33%

Run 7: Report of Copa — Data Link

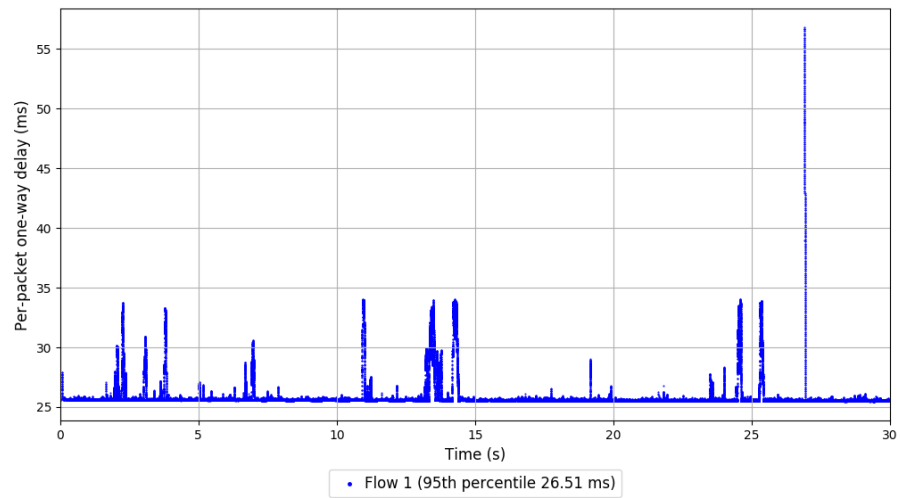
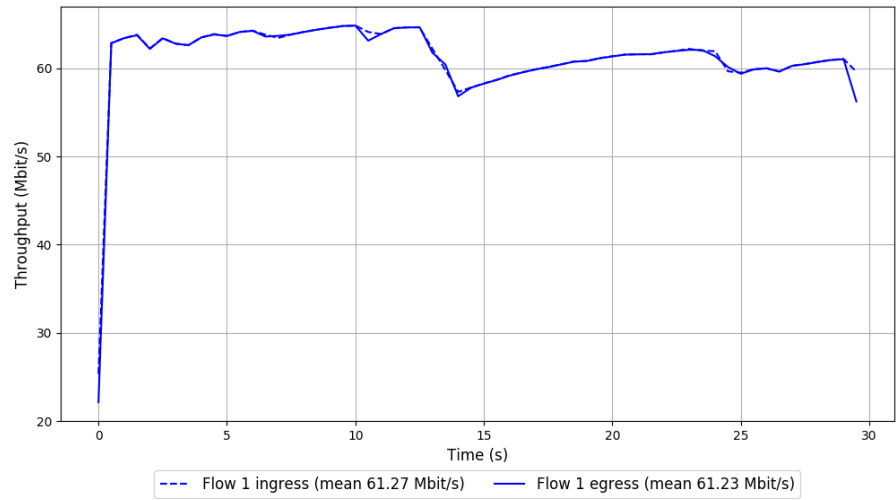


Run 8: Statistics of Copa

Start at: 2018-02-13 00:53:23
End at: 2018-02-13 00:53:53
Local clock offset: 1.207 ms
Remote clock offset: -7.321 ms

Below is generated by plot.py at 2018-02-13 06:29:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 26.512 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 26.512 ms
Loss rate: 0.24%

Run 8: Report of Copa — Data Link

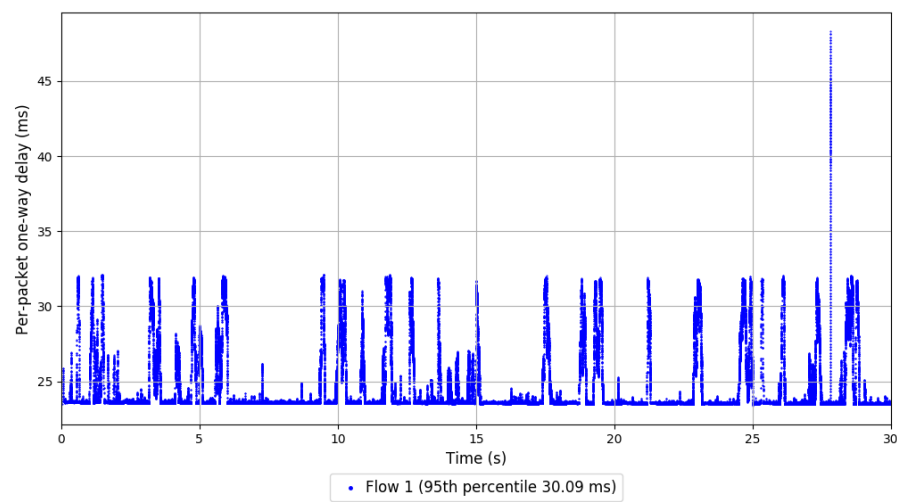
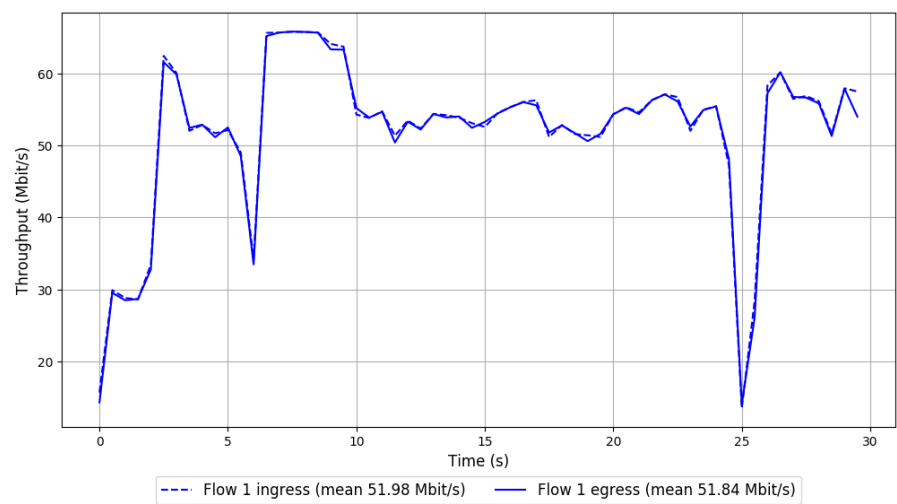


Run 9: Statistics of Copa

Start at: 2018-02-13 01:17:30
End at: 2018-02-13 01:18:00
Local clock offset: 3.236 ms
Remote clock offset: -6.964 ms

Below is generated by plot.py at 2018-02-13 06:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 30.094 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 30.094 ms
Loss rate: 0.44%

Run 9: Report of Copa — Data Link

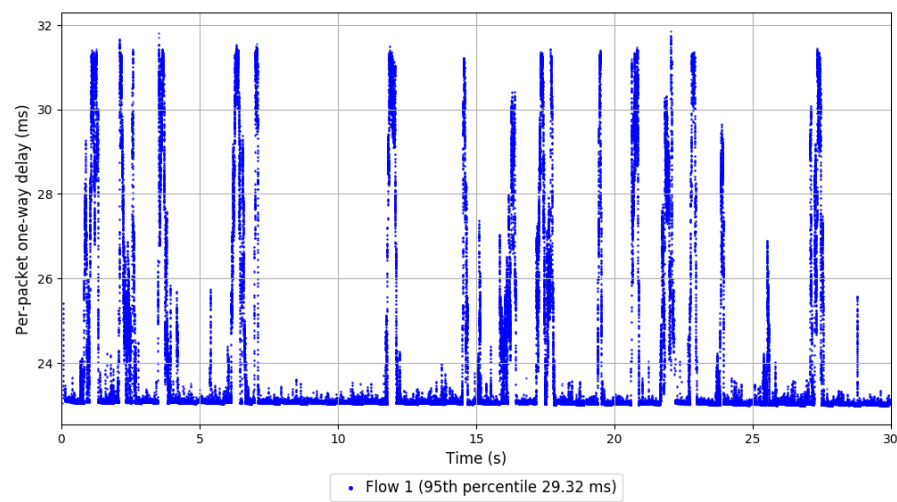
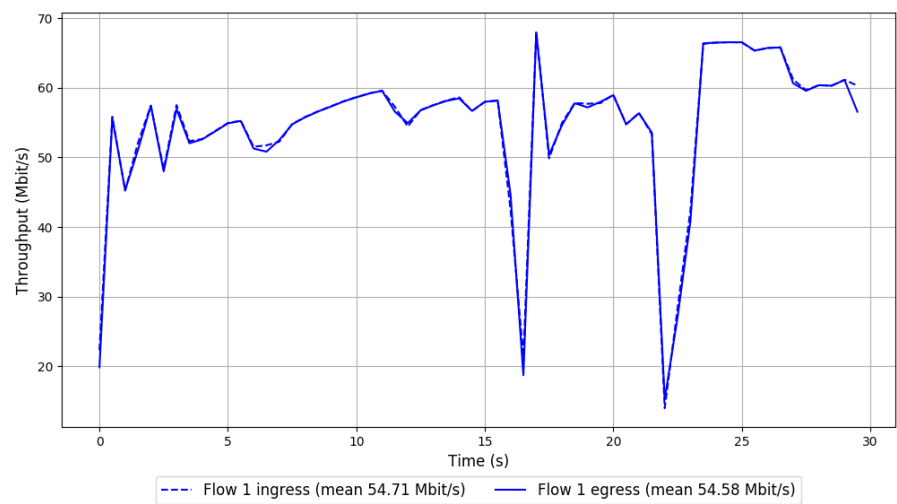


Run 10: Statistics of Copa

Start at: 2018-02-13 01:41:59
End at: 2018-02-13 01:42:29
Local clock offset: 2.014 ms
Remote clock offset: -9.109 ms

Below is generated by plot.py at 2018-02-13 06:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 29.315 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 29.315 ms
Loss rate: 0.40%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-12 21:58:16

End at: 2018-02-12 21:58:46

Local clock offset: 4.151 ms

Remote clock offset: -3.57 ms

Below is generated by plot.py at 2018-02-13 06:29:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 34.231 ms

Loss rate: 0.25%

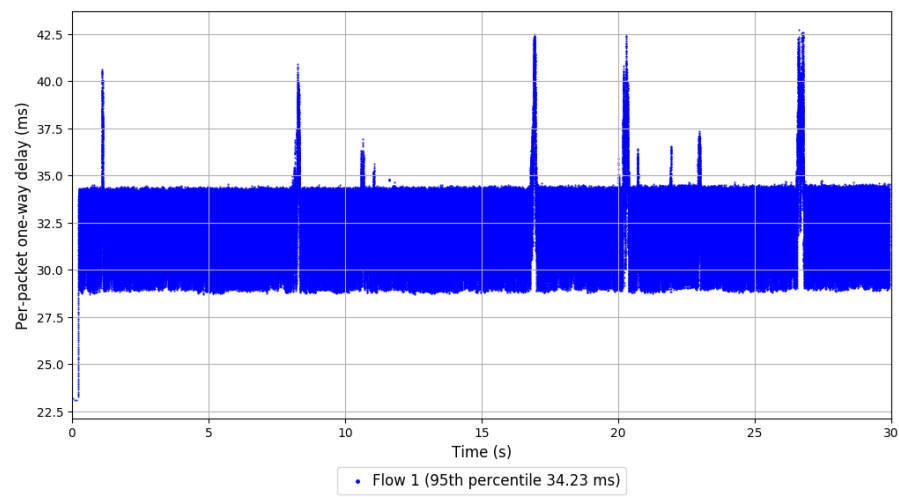
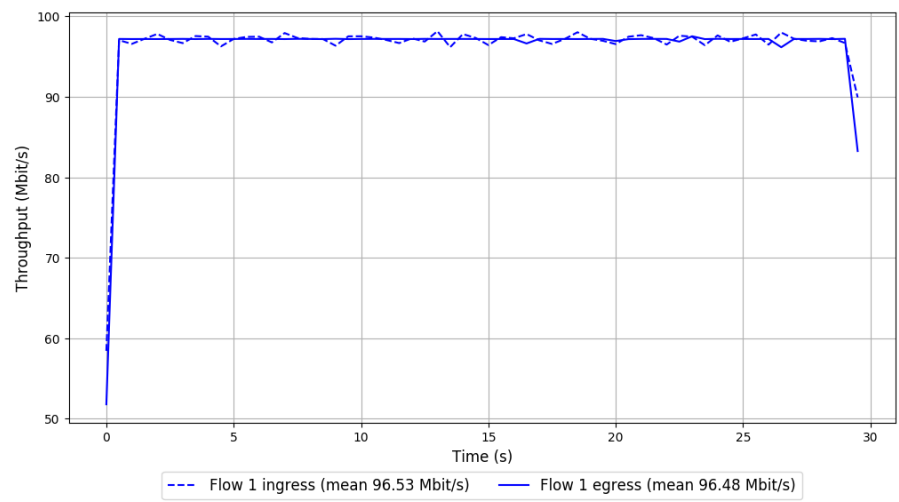
-- Flow 1:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 34.231 ms

Loss rate: 0.25%

Run 1: Report of FillP — Data Link

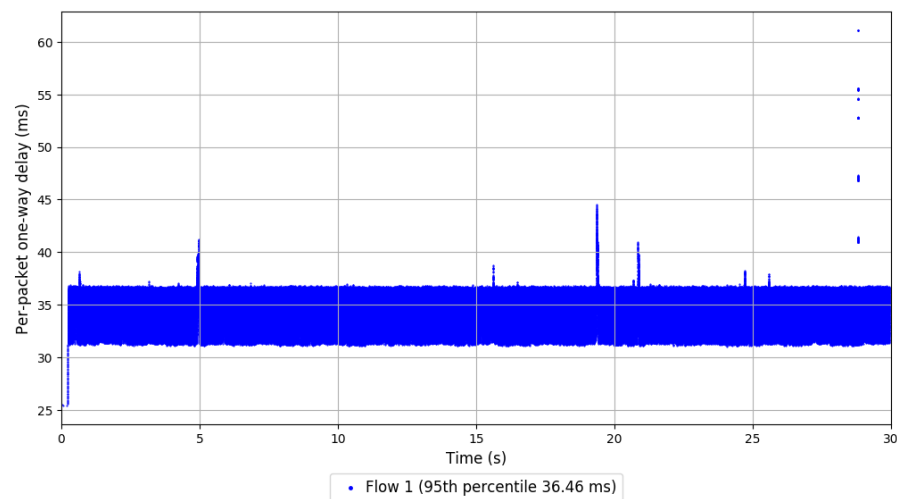
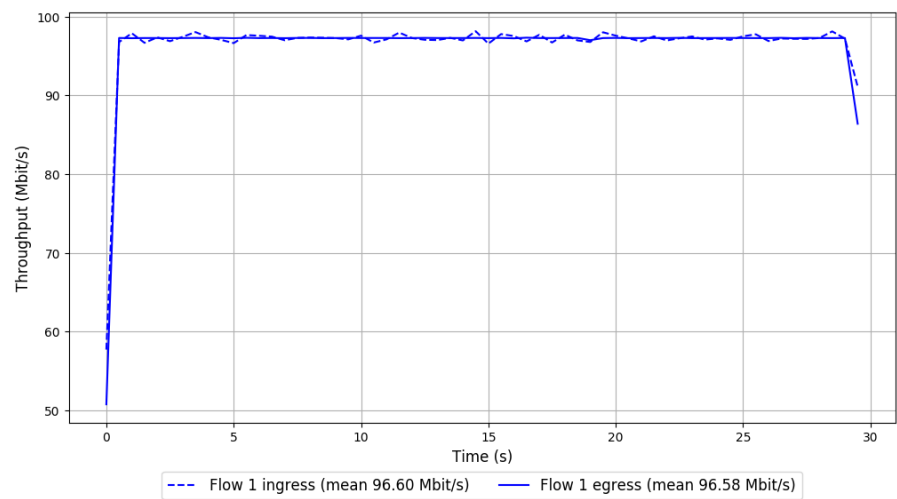


Run 2: Statistics of FillP

Start at: 2018-02-12 22:22:24
End at: 2018-02-12 22:22:54
Local clock offset: 1.61 ms
Remote clock offset: -6.377 ms

Below is generated by plot.py at 2018-02-13 06:29:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 36.462 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 36.462 ms
Loss rate: 0.21%

Run 2: Report of FillP — Data Link

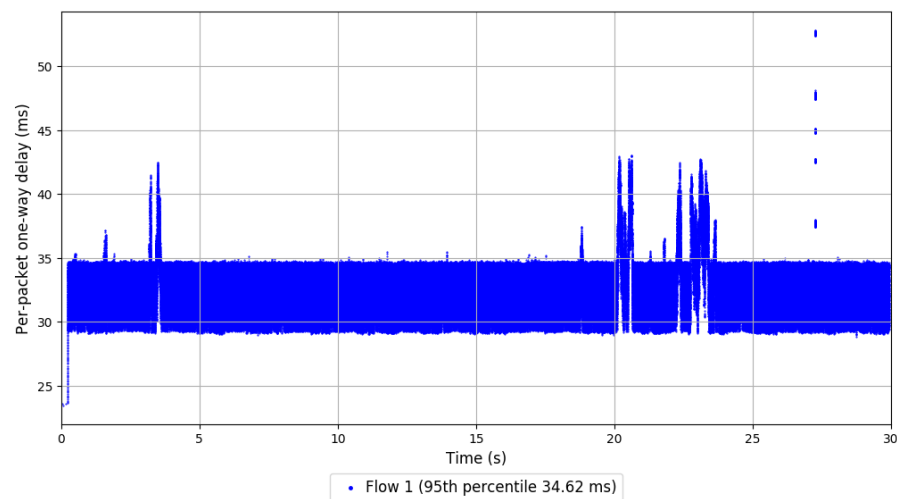
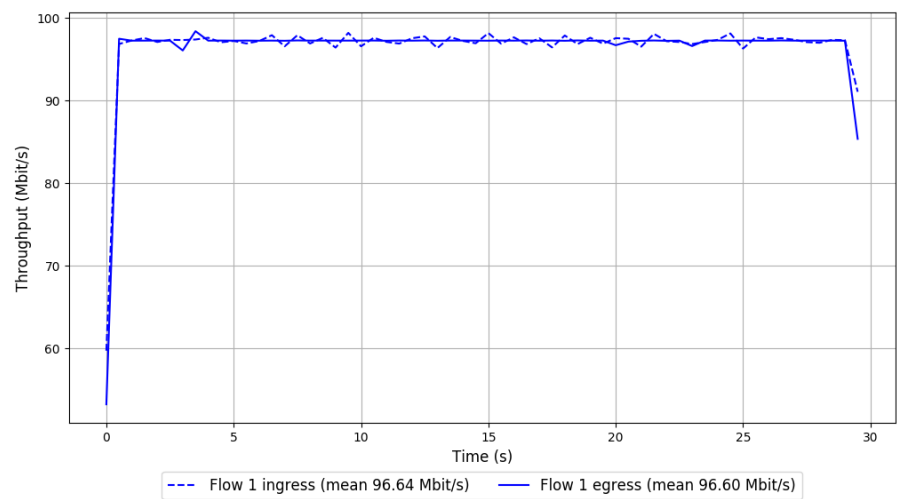


Run 3: Statistics of FillP

Start at: 2018-02-12 22:46:29
End at: 2018-02-12 22:46:59
Local clock offset: 2.913 ms
Remote clock offset: -3.797 ms

Below is generated by plot.py at 2018-02-13 06:30:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 34.623 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 34.623 ms
Loss rate: 0.23%

Run 3: Report of FillP — Data Link

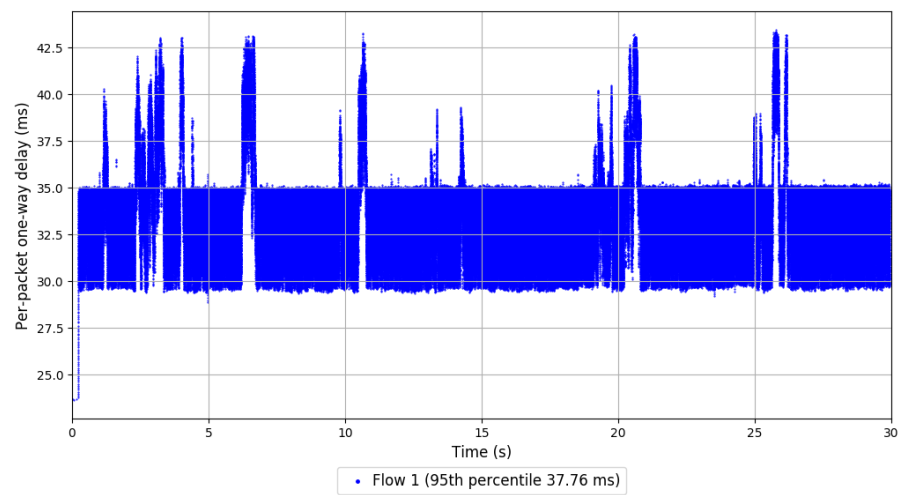
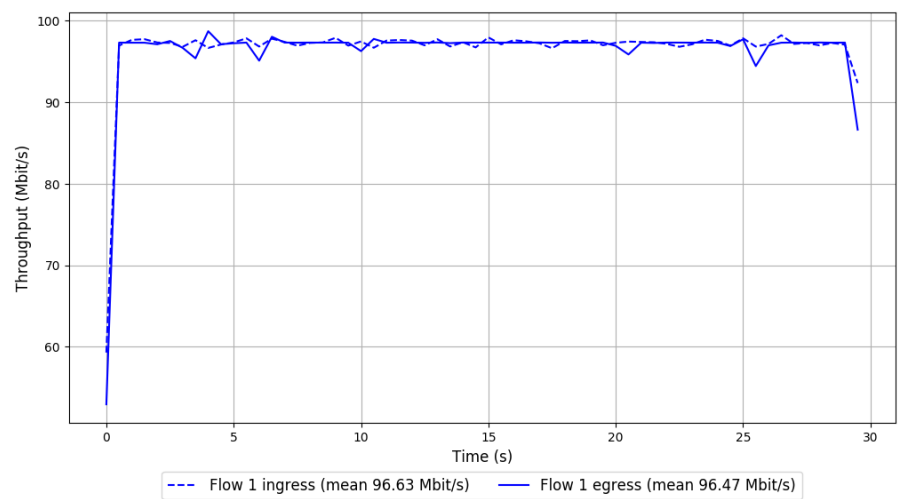


Run 4: Statistics of FillP

Start at: 2018-02-12 23:10:28
End at: 2018-02-12 23:10:58
Local clock offset: 1.305 ms
Remote clock offset: -1.365 ms

Below is generated by plot.py at 2018-02-13 06:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 37.758 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 37.758 ms
Loss rate: 0.34%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-12 23:34:40

End at: 2018-02-12 23:35:10

Local clock offset: -0.755 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-02-13 06:30:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 34.499 ms

Loss rate: 0.32%

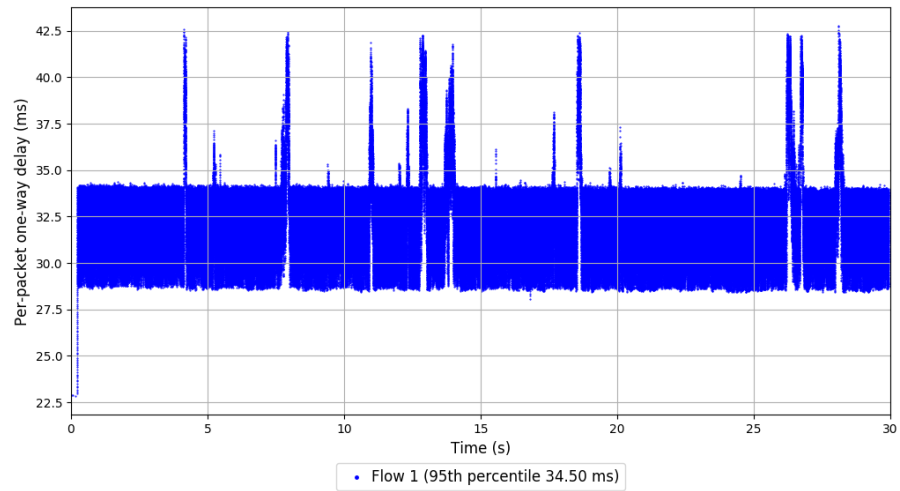
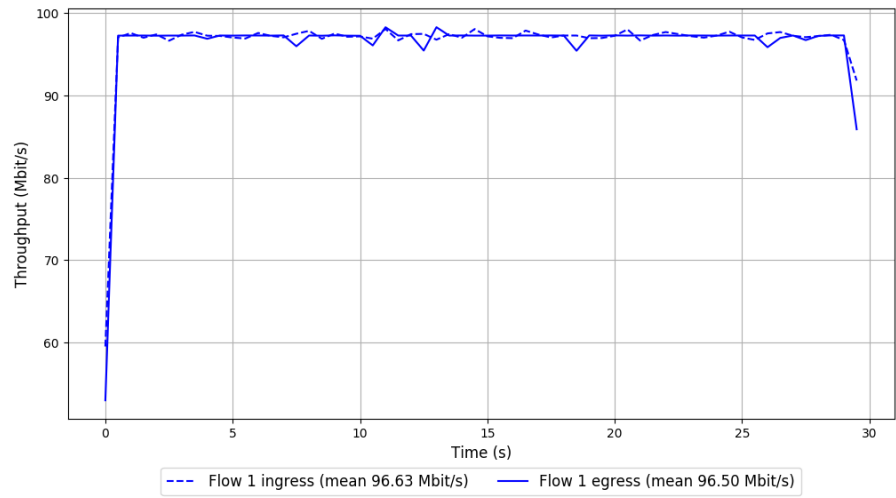
-- Flow 1:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 34.499 ms

Loss rate: 0.32%

Run 5: Report of FillP — Data Link

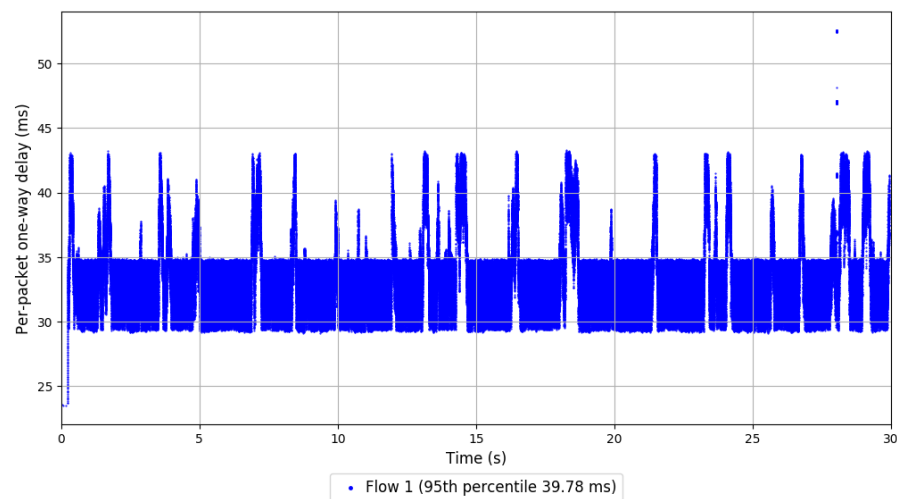
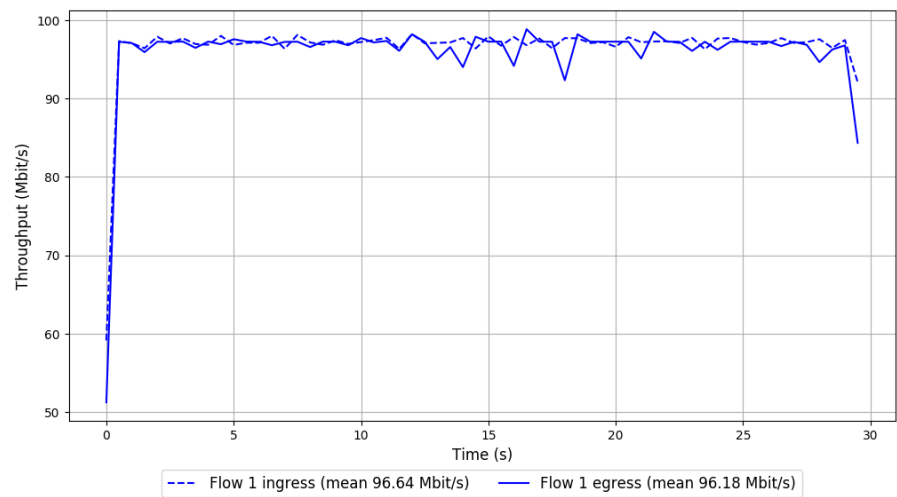


Run 6: Statistics of FillP

Start at: 2018-02-12 23:58:56
End at: 2018-02-12 23:59:26
Local clock offset: 0.829 ms
Remote clock offset: -2.352 ms

Below is generated by plot.py at 2018-02-13 06:30:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 39.785 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 39.785 ms
Loss rate: 0.65%

Run 6: Report of FillP — Data Link

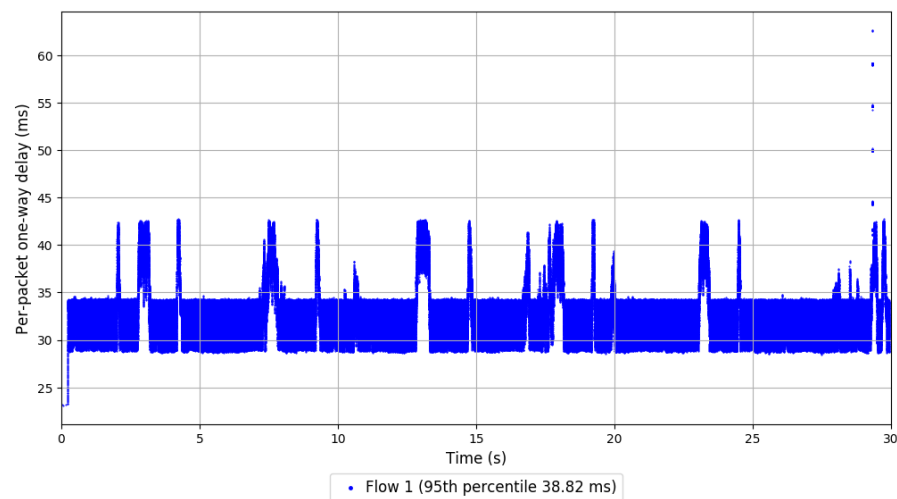
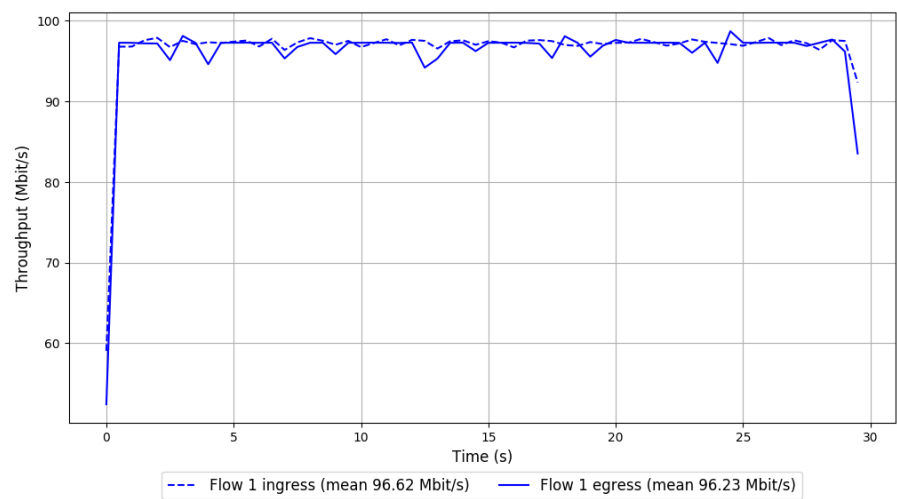


Run 7: Statistics of FillP

Start at: 2018-02-13 00:23:27
End at: 2018-02-13 00:23:57
Local clock offset: 0.04 ms
Remote clock offset: -4.376 ms

Below is generated by plot.py at 2018-02-13 06:31:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 38.824 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 38.824 ms
Loss rate: 0.61%

Run 7: Report of FillP — Data Link

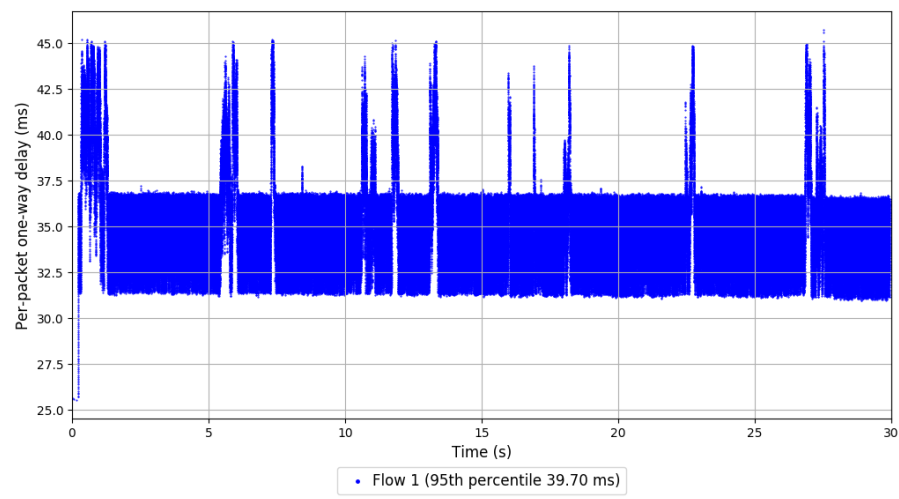
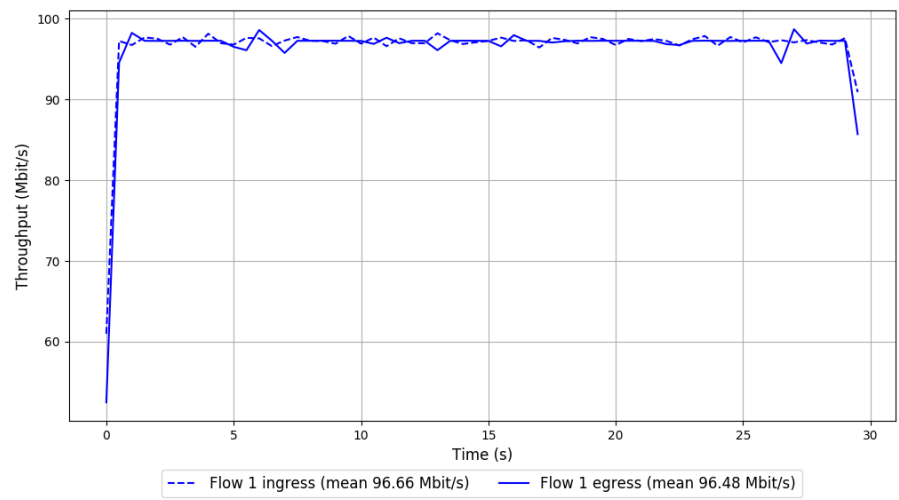


Run 8: Statistics of FillP

Start at: 2018-02-13 00:48:00
End at: 2018-02-13 00:48:30
Local clock offset: -0.075 ms
Remote clock offset: -7.355 ms

Below is generated by plot.py at 2018-02-13 06:31:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 39.700 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 39.700 ms
Loss rate: 0.37%

Run 8: Report of FillP — Data Link

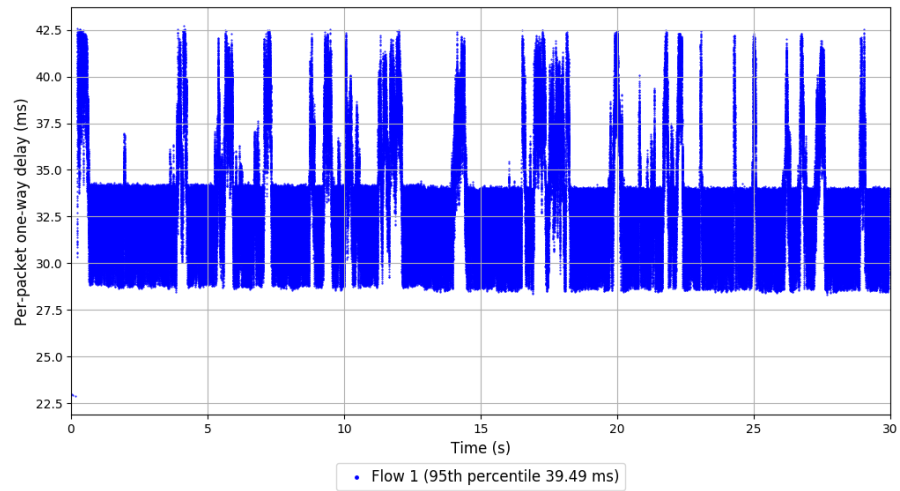
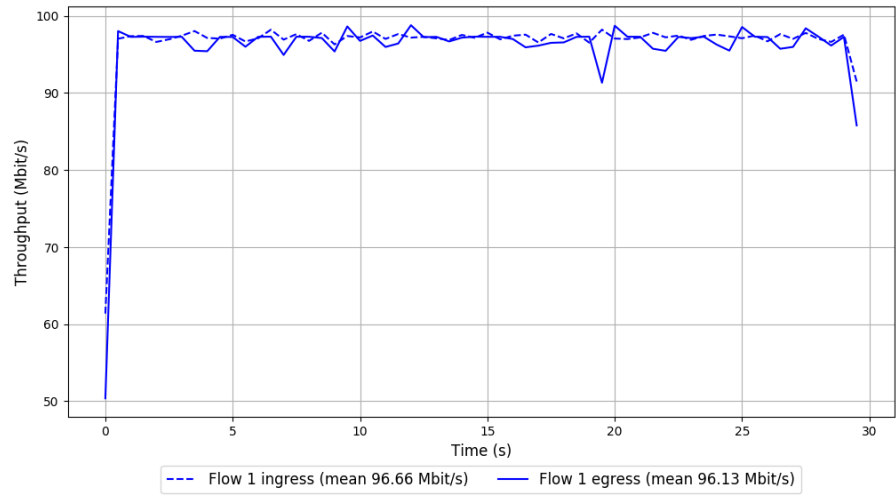


Run 9: Statistics of FillP

Start at: 2018-02-13 01:12:03
End at: 2018-02-13 01:12:33
Local clock offset: 3.047 ms
Remote clock offset: -5.781 ms

Below is generated by plot.py at 2018-02-13 06:31:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 39.489 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 39.489 ms
Loss rate: 0.72%

Run 9: Report of FillP — Data Link

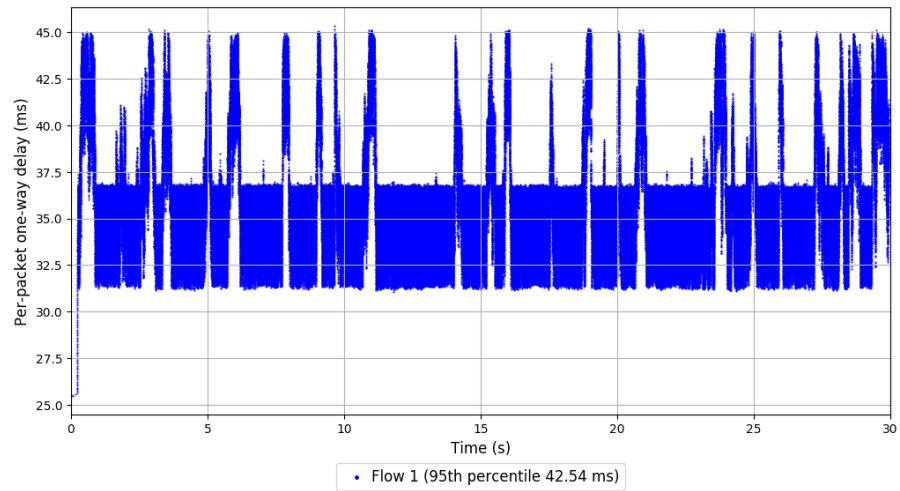
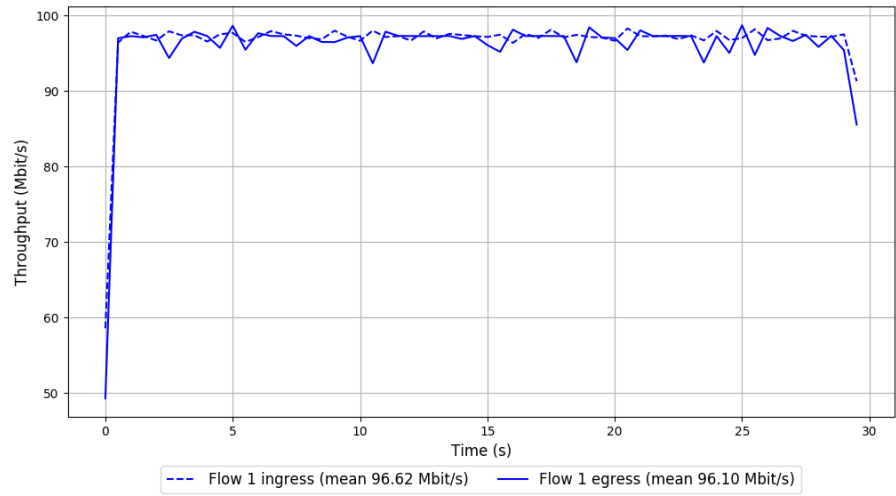


```
Run 10: Statistics of FillP

Start at: 2018-02-13 01:36:25
End at: 2018-02-13 01:36:55
Local clock offset: 2.059 ms
Remote clock offset: -10.953 ms

# Below is generated by plot.py at 2018-02-13 06:31:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 42.540 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 42.540 ms
Loss rate: 0.72%
```

Run 10: Report of FillP — Data Link

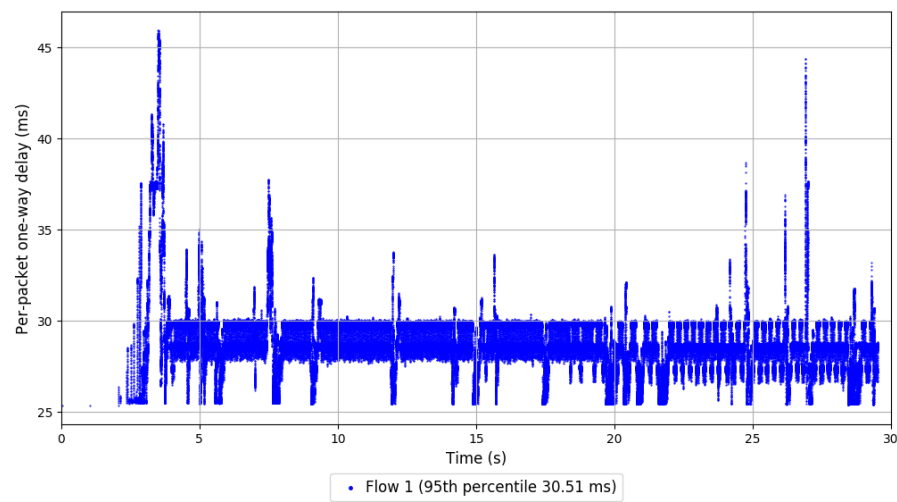
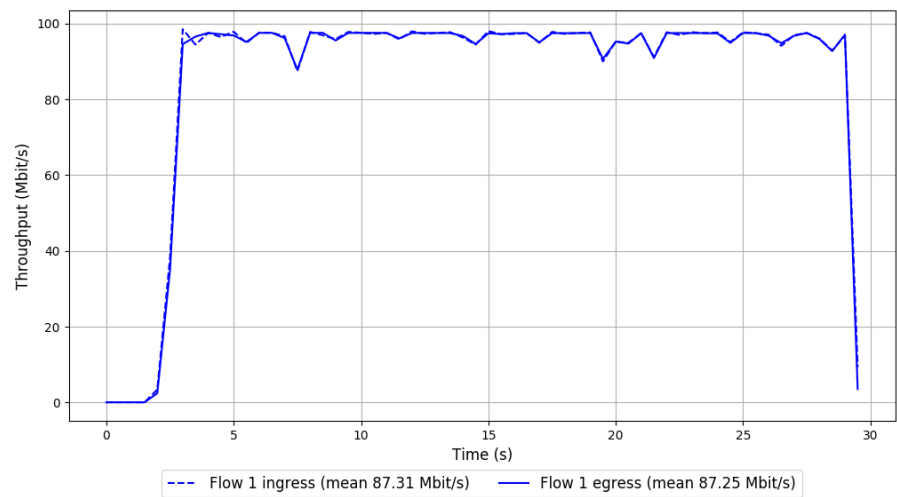


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-12 21:47:38
End at: 2018-02-12 21:48:08
Local clock offset: 4.623 ms
Remote clock offset: -6.417 ms

# Below is generated by plot.py at 2018-02-13 06:31:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 30.507 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 30.507 ms
Loss rate: 0.24%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-12 22:11:34

End at: 2018-02-12 22:12:04

Local clock offset: 2.071 ms

Remote clock offset: -6.289 ms

Below is generated by plot.py at 2018-02-13 06:31:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.41 Mbit/s

95th percentile per-packet one-way delay: 29.268 ms

Loss rate: 0.22%

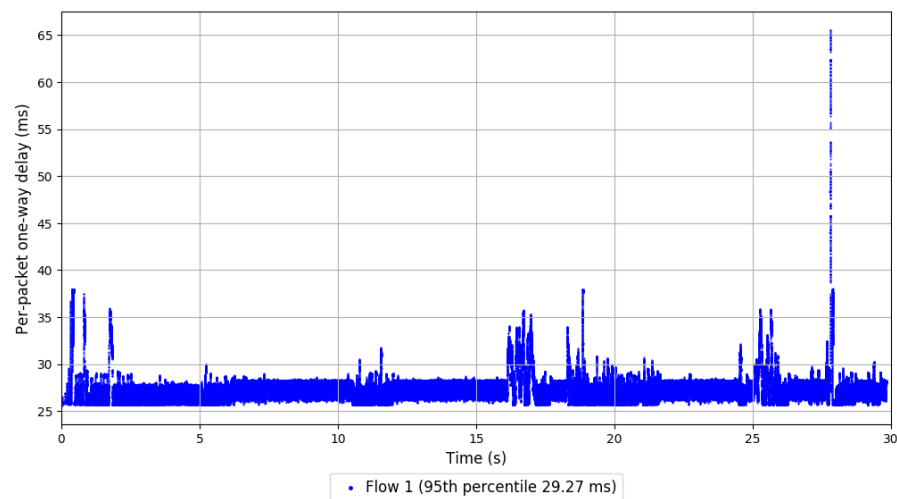
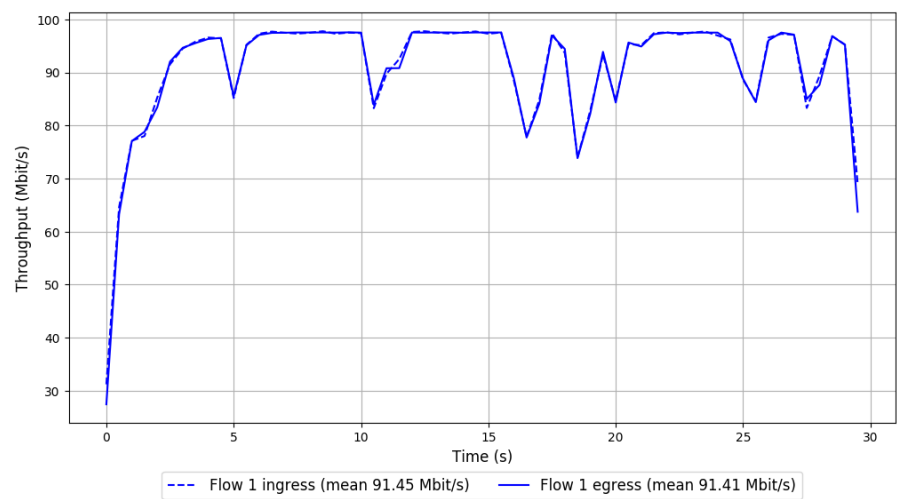
-- Flow 1:

Average throughput: 91.41 Mbit/s

95th percentile per-packet one-way delay: 29.268 ms

Loss rate: 0.22%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-12 22:35:44

End at: 2018-02-12 22:36:15

Local clock offset: 2.303 ms

Remote clock offset: -3.298 ms

Below is generated by plot.py at 2018-02-13 06:32:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.52 Mbit/s

95th percentile per-packet one-way delay: 27.480 ms

Loss rate: 0.21%

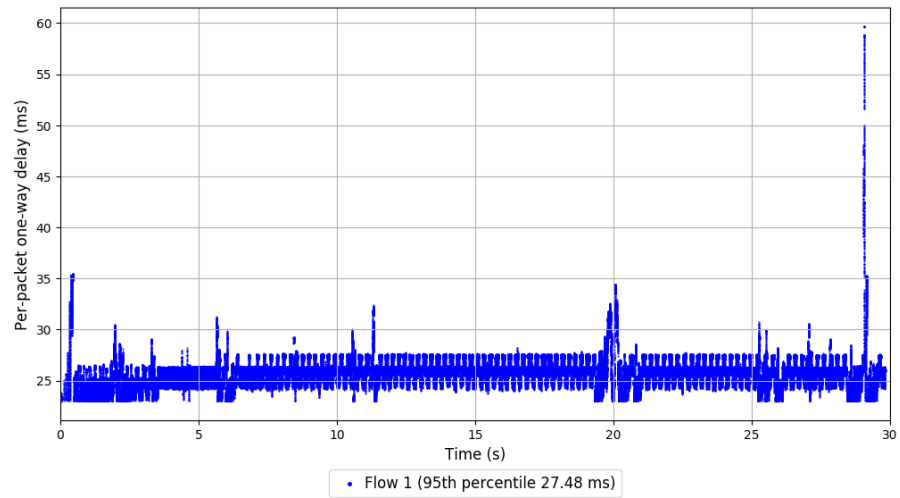
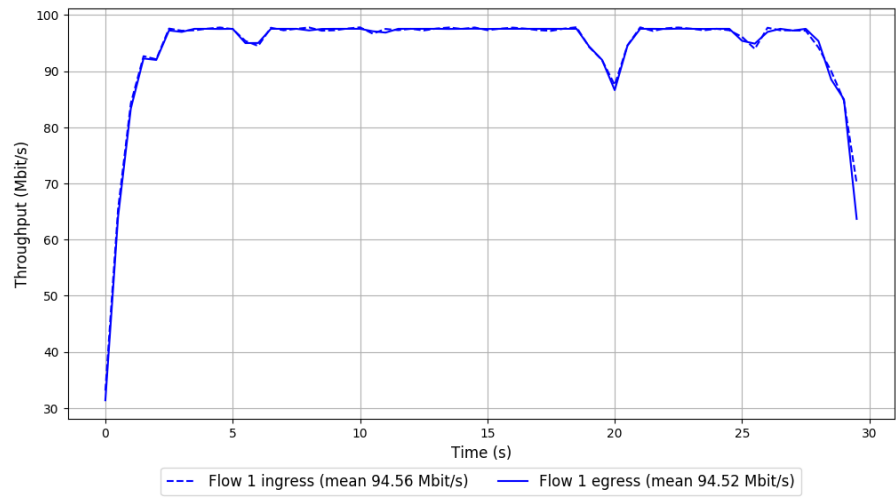
-- Flow 1:

Average throughput: 94.52 Mbit/s

95th percentile per-packet one-way delay: 27.480 ms

Loss rate: 0.21%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-12 22:59:47

End at: 2018-02-12 23:00:17

Local clock offset: 3.23 ms

Remote clock offset: -2.63 ms

Below is generated by plot.py at 2018-02-13 06:32:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 27.073 ms

Loss rate: 0.28%

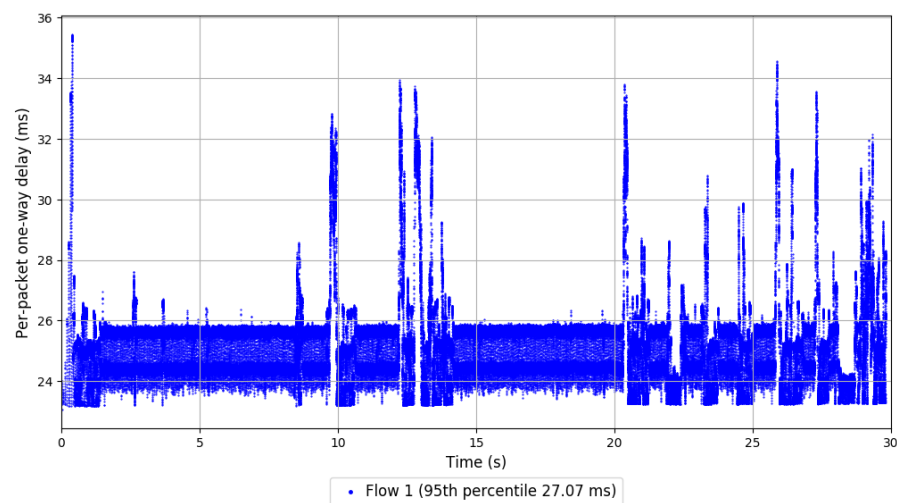
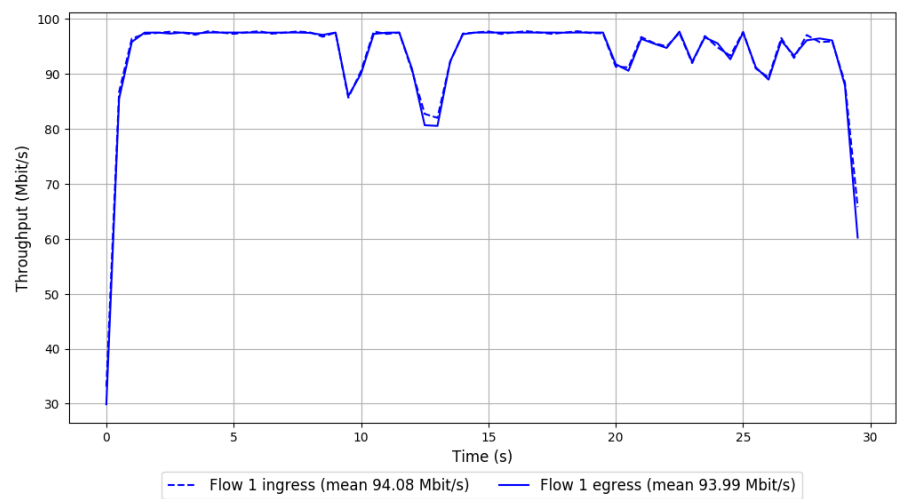
-- Flow 1:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 27.073 ms

Loss rate: 0.28%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-12 23:23:47

End at: 2018-02-12 23:24:17

Local clock offset: -0.281 ms

Remote clock offset: 0.74 ms

Below is generated by plot.py at 2018-02-13 06:32:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.06 Mbit/s

95th percentile per-packet one-way delay: 27.089 ms

Loss rate: 0.22%

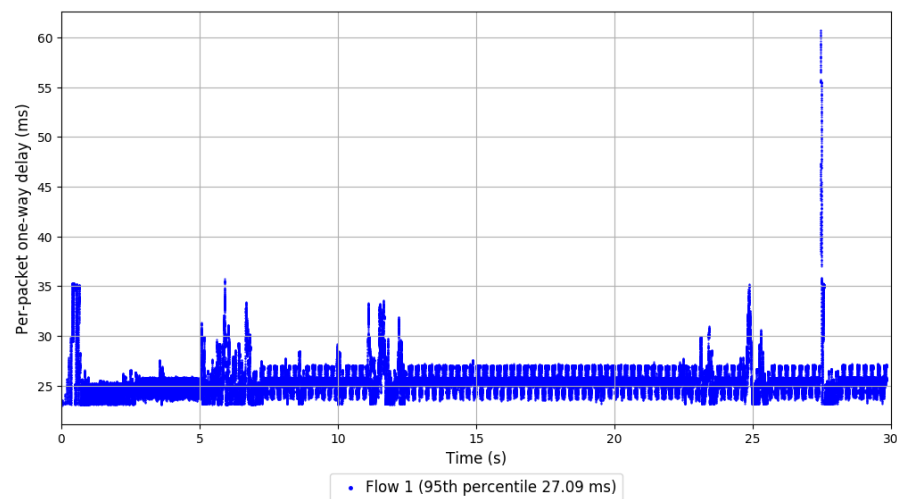
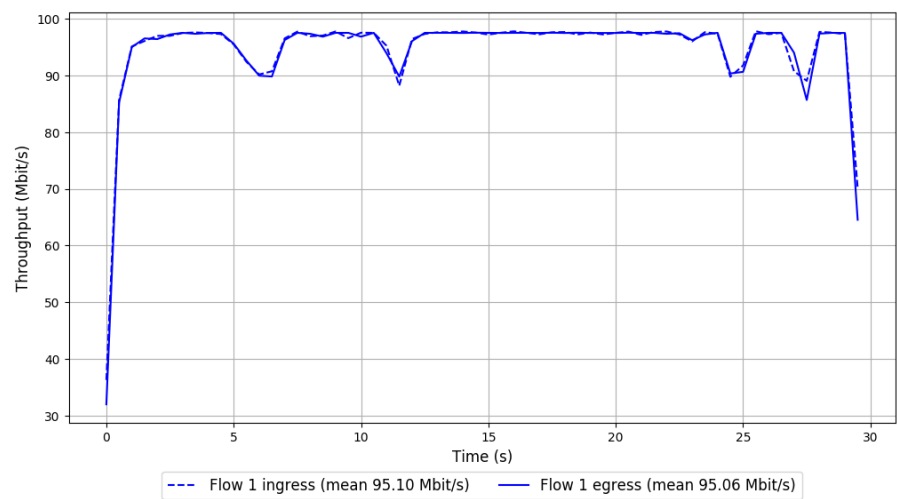
-- Flow 1:

Average throughput: 95.06 Mbit/s

95th percentile per-packet one-way delay: 27.089 ms

Loss rate: 0.22%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-12 23:47:53

End at: 2018-02-12 23:48:23

Local clock offset: 0.456 ms

Remote clock offset: -4.428 ms

Below is generated by plot.py at 2018-02-13 06:32:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 33.765 ms

Loss rate: 0.48%

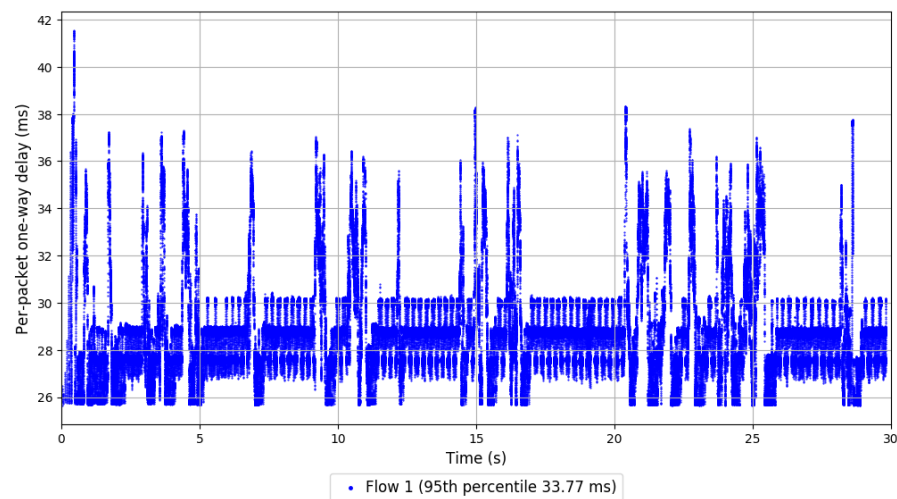
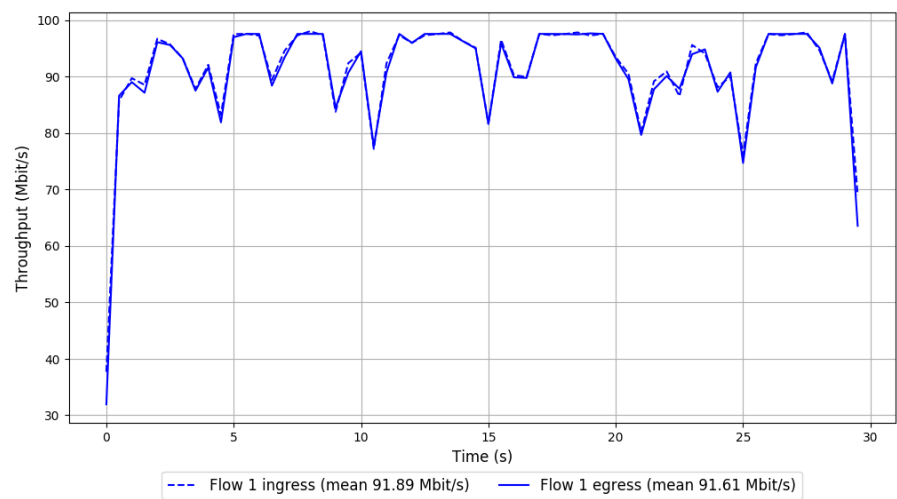
-- Flow 1:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 33.765 ms

Loss rate: 0.48%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-13 00:12:35

End at: 2018-02-13 00:13:05

Local clock offset: 0.834 ms

Remote clock offset: -3.77 ms

Below is generated by plot.py at 2018-02-13 06:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 30.771 ms

Loss rate: 0.34%

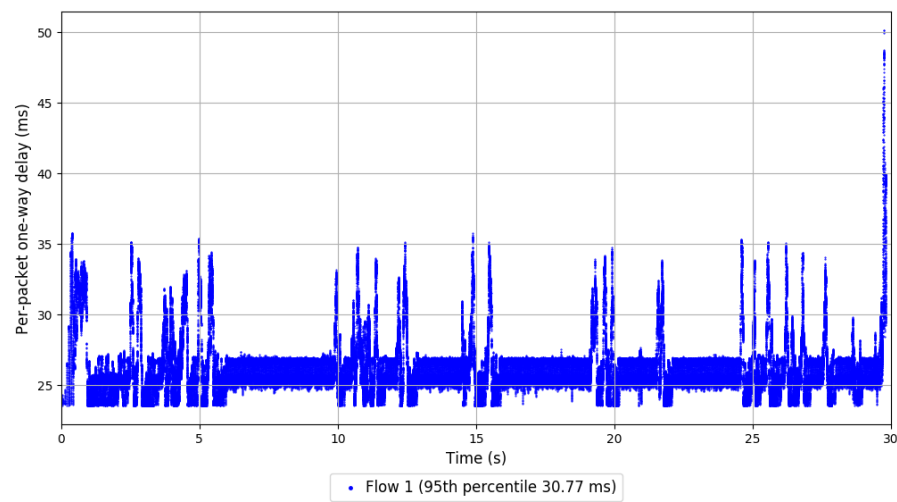
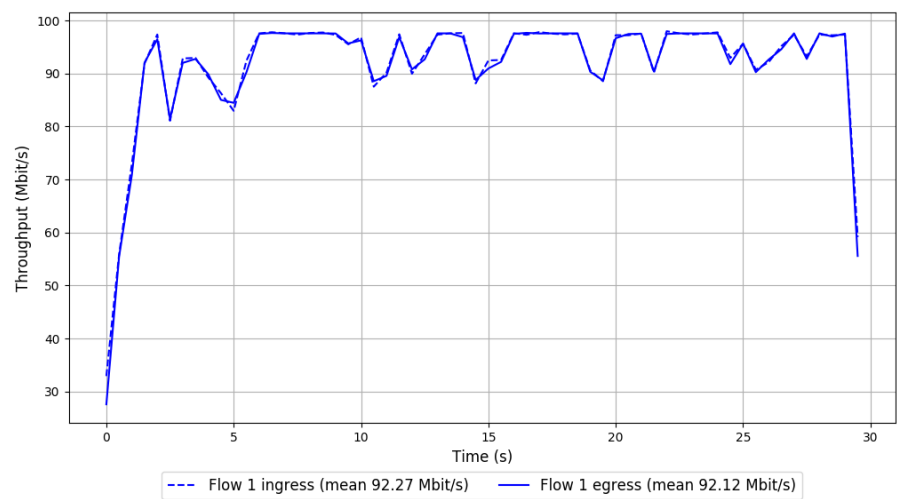
-- Flow 1:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 30.771 ms

Loss rate: 0.34%

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

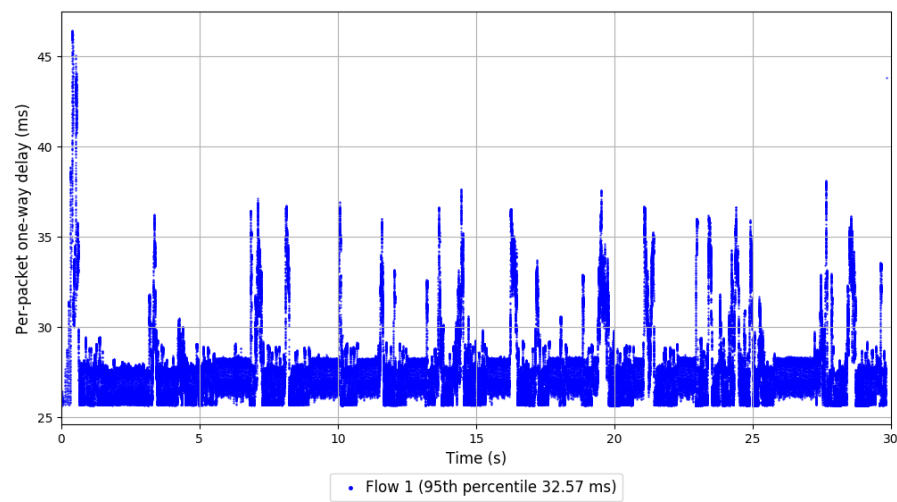
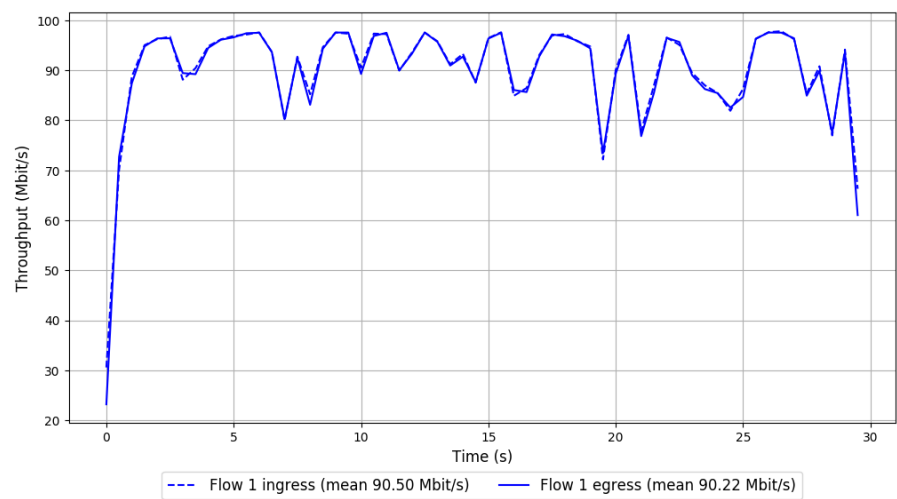


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-13 00:37:03
End at: 2018-02-13 00:37:33
Local clock offset: -0.423 ms
Remote clock offset: -7.563 ms

Below is generated by plot.py at 2018-02-13 06:32:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 32.572 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 32.572 ms
Loss rate: 0.43%

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

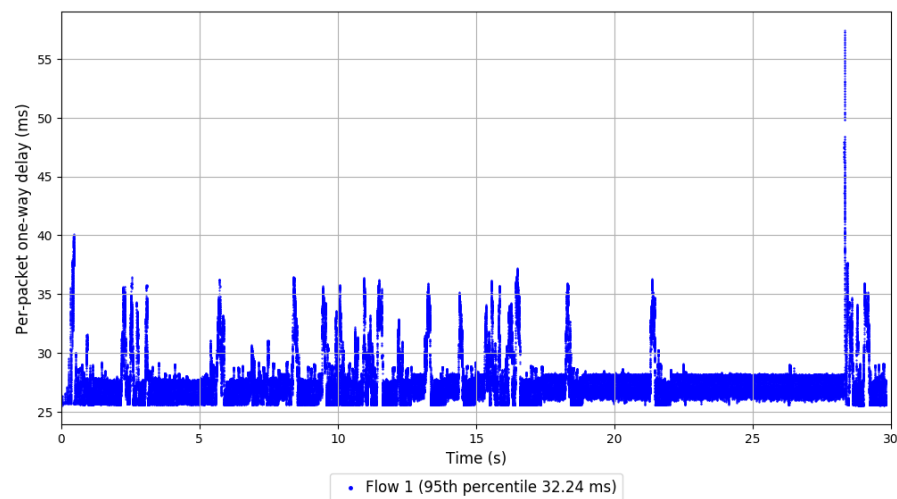
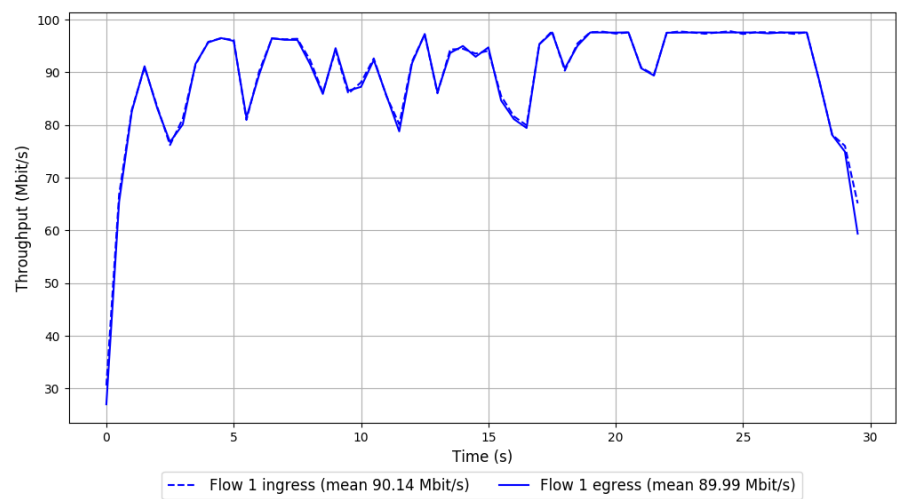


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-13 01:01:18
End at: 2018-02-13 01:01:48
Local clock offset: 2.234 ms
Remote clock offset: -7.673 ms

Below is generated by plot.py at 2018-02-13 06:33:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 32.237 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 32.237 ms
Loss rate: 0.34%

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

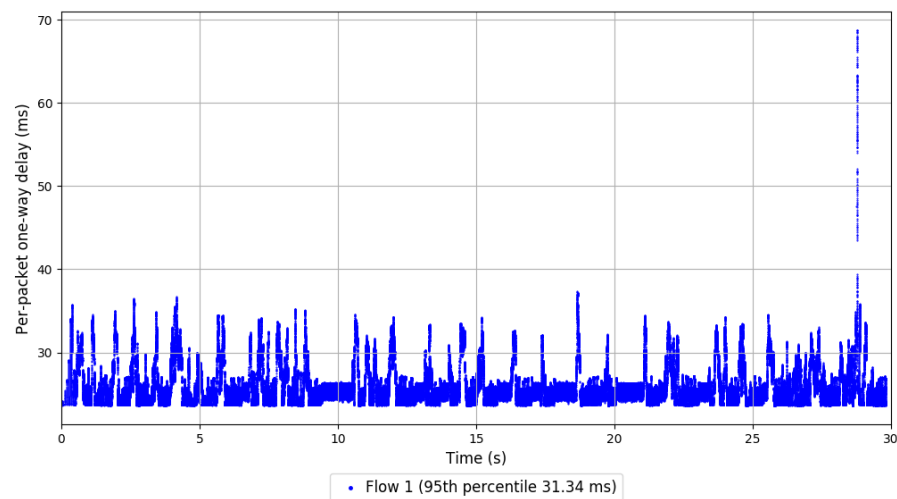
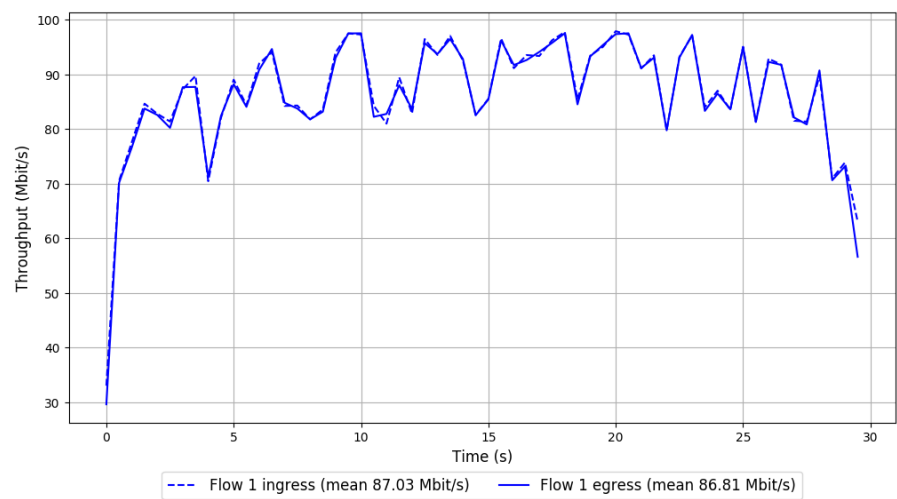


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-13 01:25:25
End at: 2018-02-13 01:25:55
Local clock offset: 2.655 ms
Remote clock offset: -7.833 ms

Below is generated by plot.py at 2018-02-13 06:33:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 31.344 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 31.344 ms
Loss rate: 0.43%

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

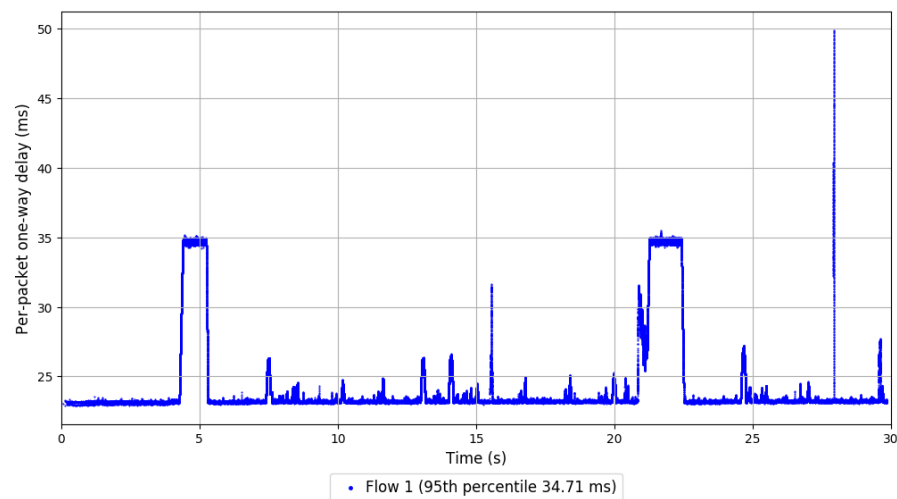
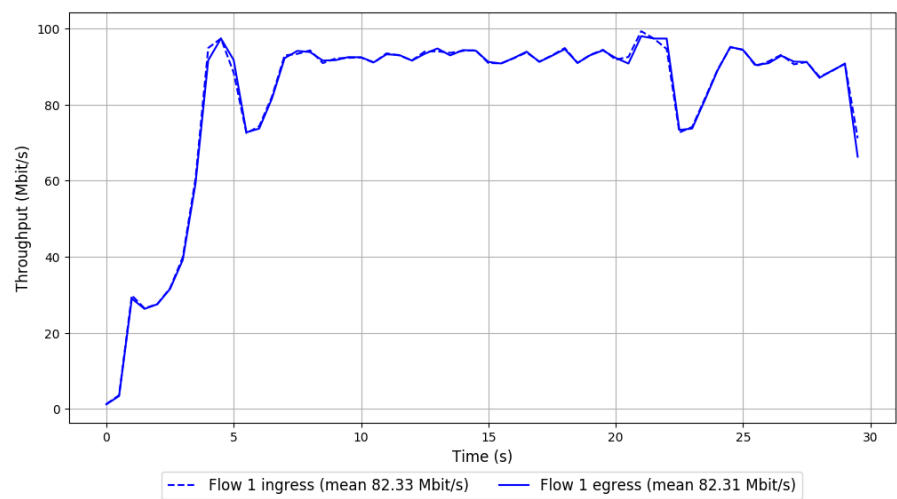


Run 1: Statistics of Vivace-latency

Start at: 2018-02-12 22:06:16
End at: 2018-02-12 22:06:46
Local clock offset: 2.625 ms
Remote clock offset: -3.551 ms

Below is generated by plot.py at 2018-02-13 06:33:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 34.706 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 34.706 ms
Loss rate: 0.20%

Run 1: Report of Vivace-latency — Data Link

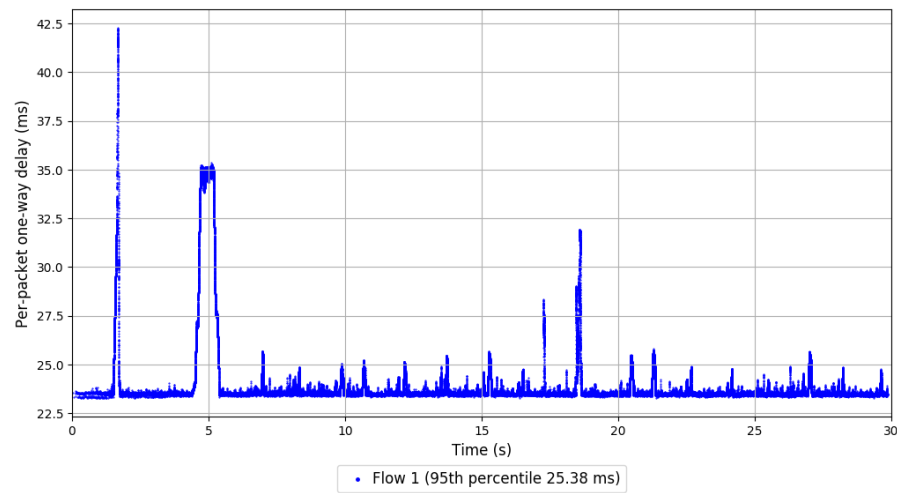
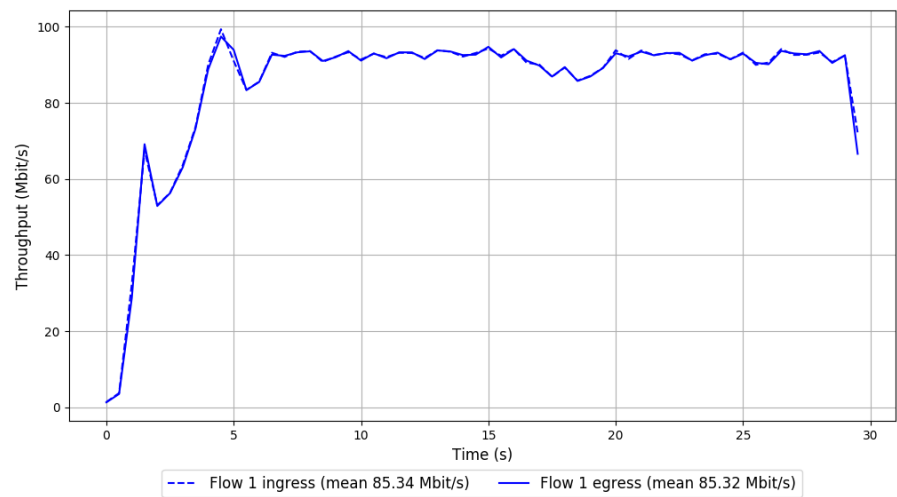


Run 2: Statistics of Vivace-latency

Start at: 2018-02-12 22:30:30
End at: 2018-02-12 22:31:00
Local clock offset: 1.665 ms
Remote clock offset: -4.038 ms

Below is generated by plot.py at 2018-02-13 06:33:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 25.377 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 25.377 ms
Loss rate: 0.20%

Run 2: Report of Vivace-latency — Data Link

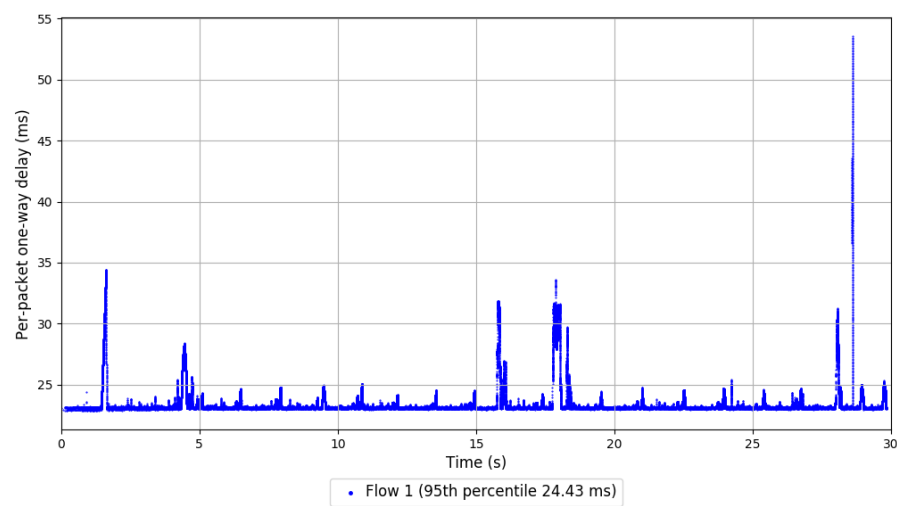
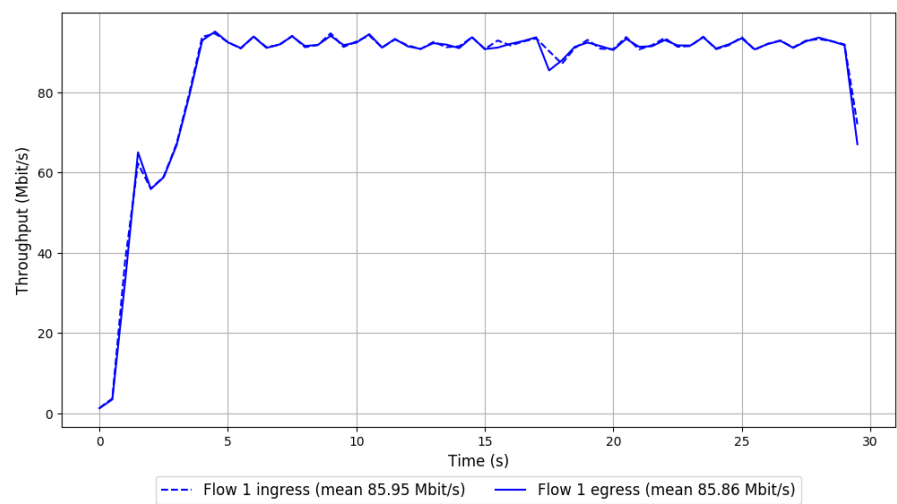


Run 3: Statistics of Vivace-latency

Start at: 2018-02-12 22:54:31
End at: 2018-02-12 22:55:01
Local clock offset: 3.146 ms
Remote clock offset: -3.165 ms

Below is generated by plot.py at 2018-02-13 06:33:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: 24.430 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: 24.430 ms
Loss rate: 0.28%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-12 23:18:30

End at: 2018-02-12 23:19:00

Local clock offset: 0.07 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-02-13 06:33:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.92 Mbit/s

95th percentile per-packet one-way delay: 27.657 ms

Loss rate: 0.31%

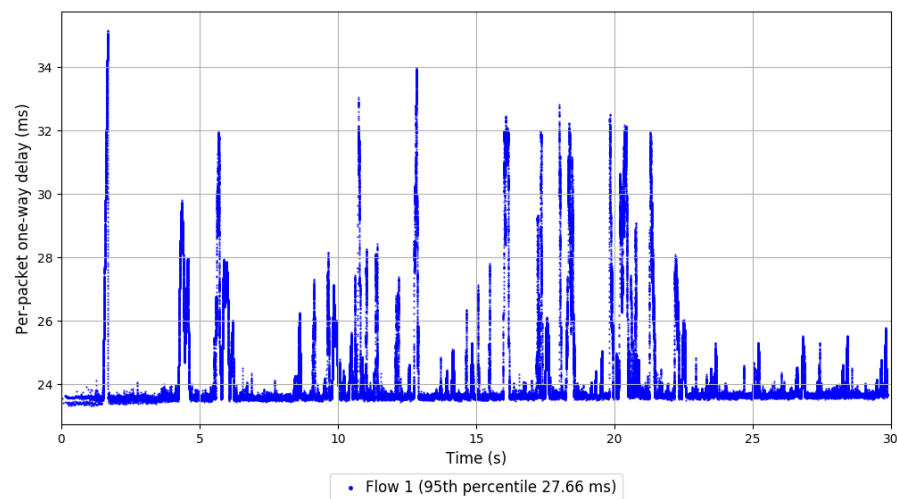
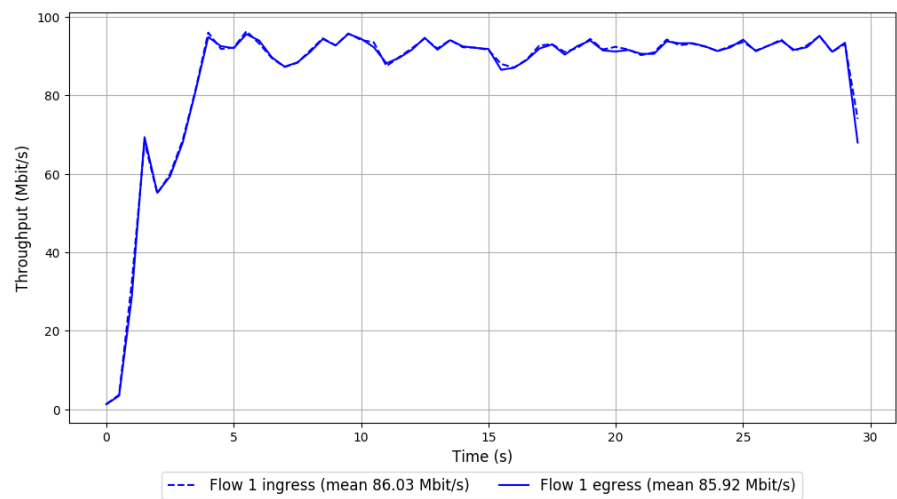
-- Flow 1:

Average throughput: 85.92 Mbit/s

95th percentile per-packet one-way delay: 27.657 ms

Loss rate: 0.31%

Run 4: Report of Vivace-latency — Data Link

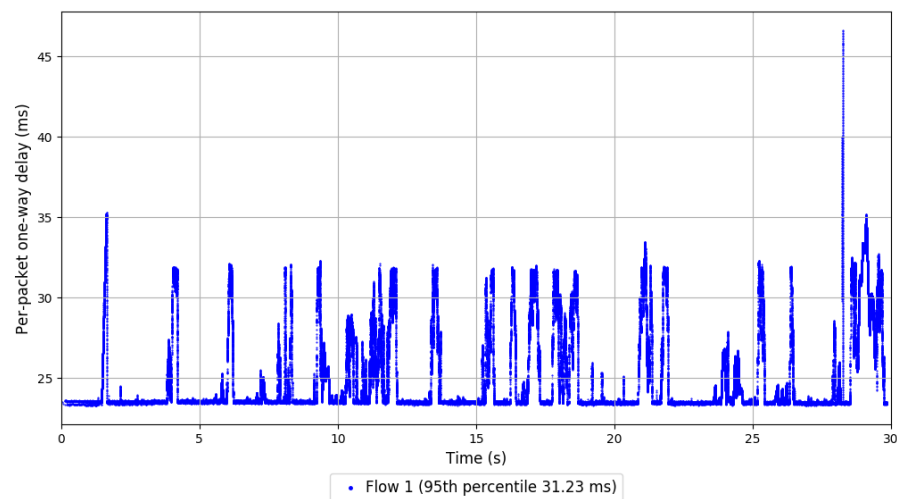
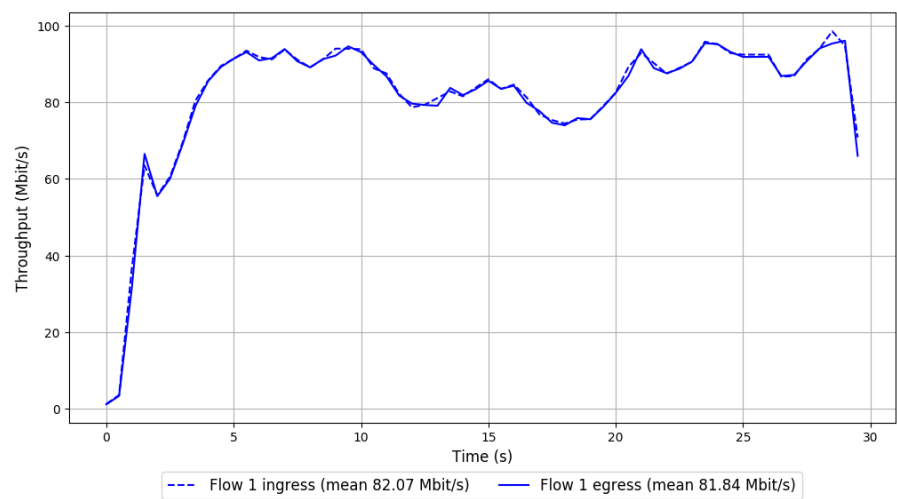


Run 5: Statistics of Vivace-latency

Start at: 2018-02-12 23:42:41
End at: 2018-02-12 23:43:11
Local clock offset: -0.131 ms
Remote clock offset: -1.962 ms

Below is generated by plot.py at 2018-02-13 06:33:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.84 Mbit/s
95th percentile per-packet one-way delay: 31.231 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 81.84 Mbit/s
95th percentile per-packet one-way delay: 31.231 ms
Loss rate: 0.46%

Run 5: Report of Vivace-latency — Data Link

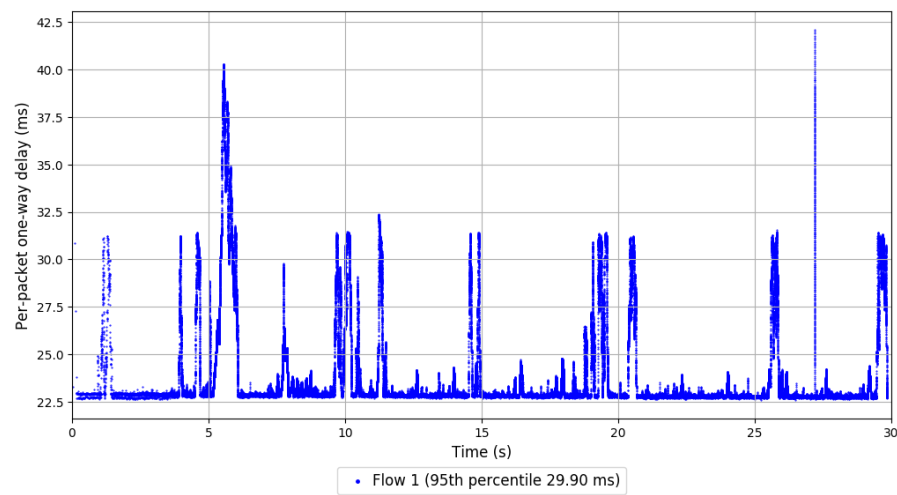
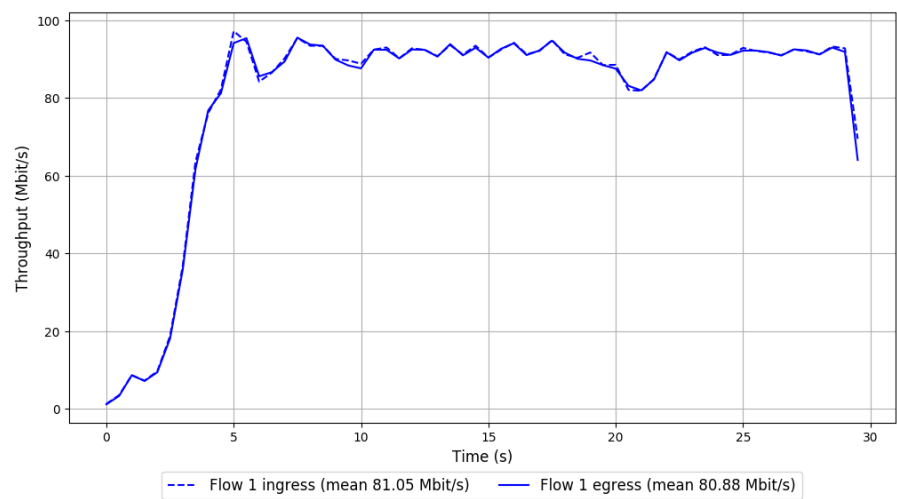


Run 6: Statistics of Vivace-latency

Start at: 2018-02-13 00:07:19
End at: 2018-02-13 00:07:49
Local clock offset: 0.95 ms
Remote clock offset: -2.029 ms

Below is generated by plot.py at 2018-02-13 06:33:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 29.896 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 29.896 ms
Loss rate: 0.39%

Run 6: Report of Vivace-latency — Data Link

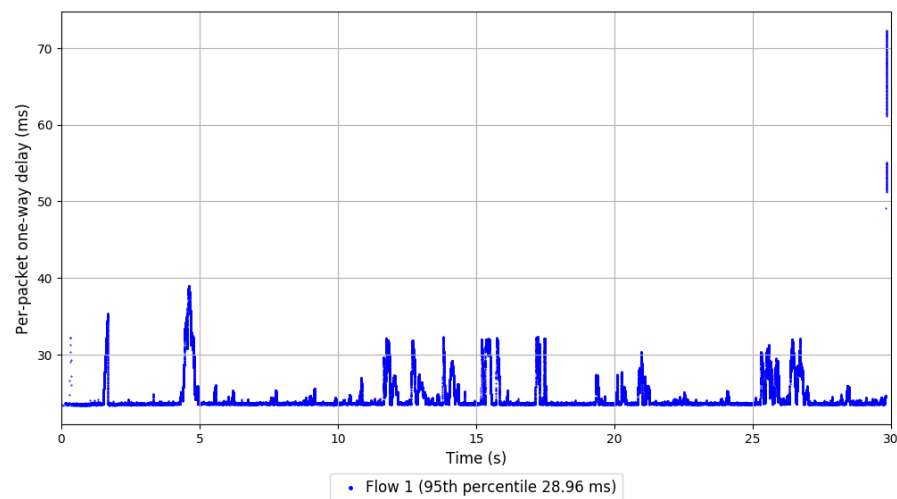
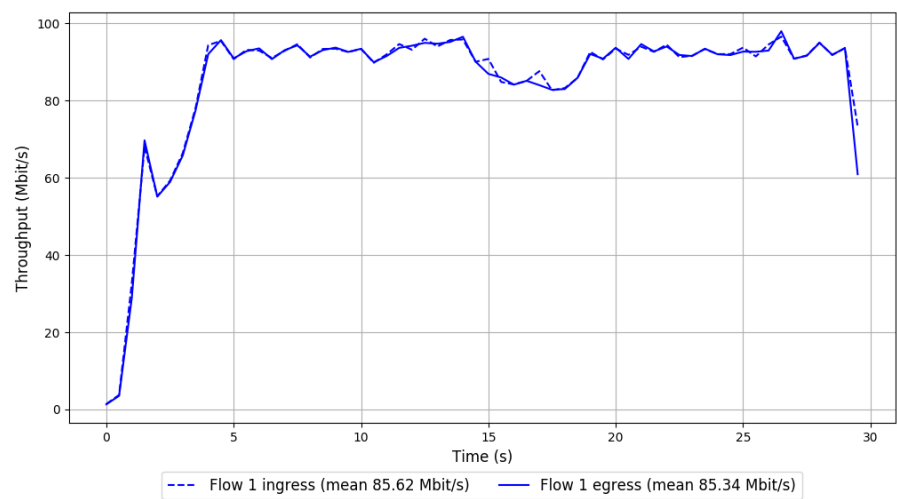


Run 7: Statistics of Vivace-latency

Start at: 2018-02-13 00:31:45
End at: 2018-02-13 00:32:15
Local clock offset: -0.253 ms
Remote clock offset: -5.185 ms

Below is generated by plot.py at 2018-02-13 06:34:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 28.960 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 28.960 ms
Loss rate: 0.51%

Run 7: Report of Vivace-latency — Data Link

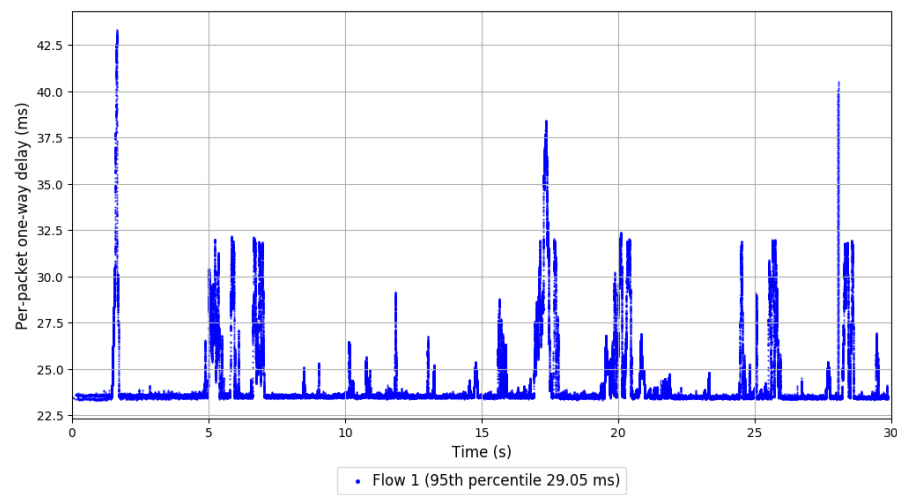
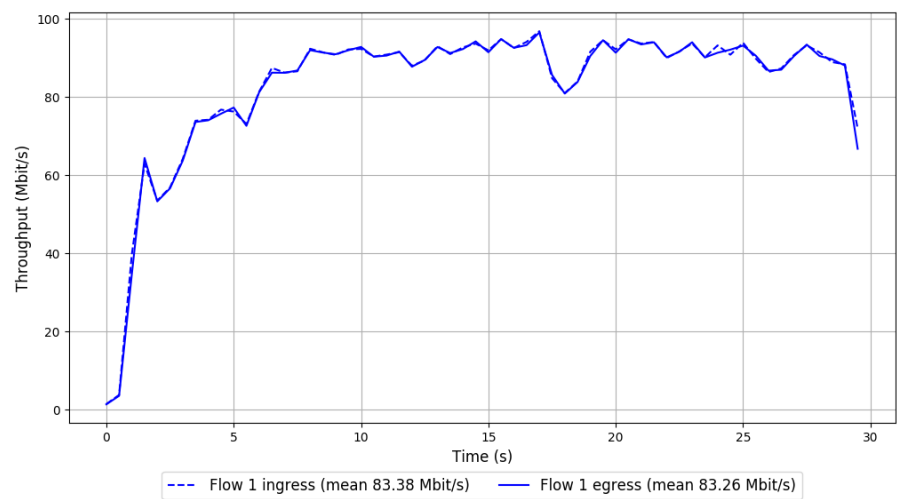


Run 8: Statistics of Vivace-latency

Start at: 2018-02-13 00:56:01
End at: 2018-02-13 00:56:31
Local clock offset: 1.643 ms
Remote clock offset: -5.381 ms

Below is generated by plot.py at 2018-02-13 06:34:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 29.048 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 29.048 ms
Loss rate: 0.33%

Run 8: Report of Vivace-latency — Data Link

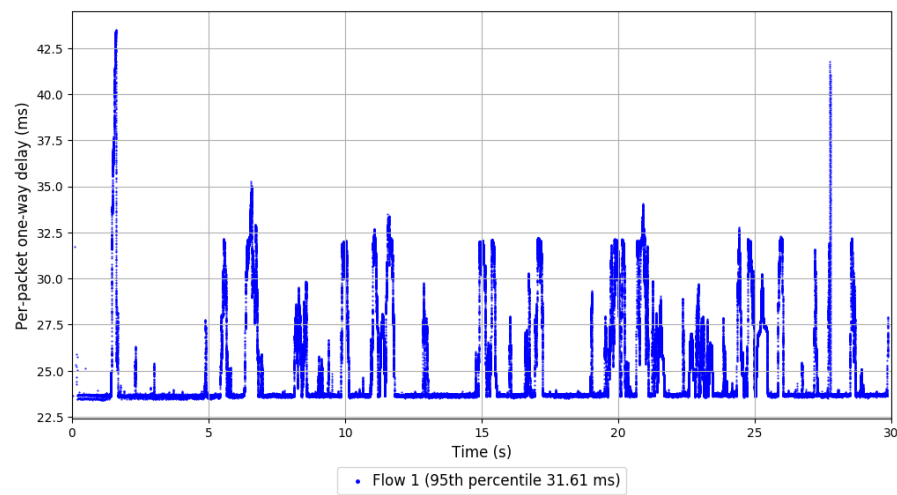
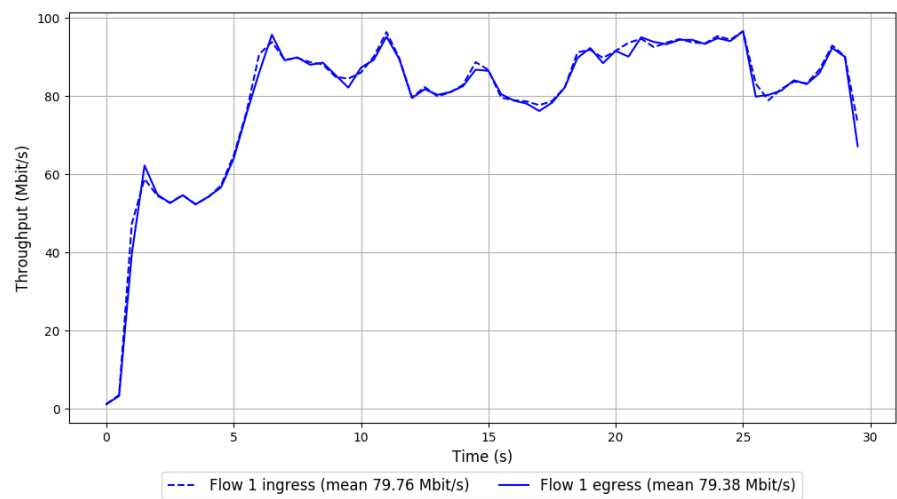


Run 9: Statistics of Vivace-latency

Start at: 2018-02-13 01:20:09
End at: 2018-02-13 01:20:39
Local clock offset: 3.445 ms
Remote clock offset: -7.168 ms

Below is generated by plot.py at 2018-02-13 06:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.38 Mbit/s
95th percentile per-packet one-way delay: 31.608 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 79.38 Mbit/s
95th percentile per-packet one-way delay: 31.608 ms
Loss rate: 0.66%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-13 01:44:36

End at: 2018-02-13 01:45:06

Local clock offset: 1.896 ms

Remote clock offset: -9.43 ms

Below is generated by plot.py at 2018-02-13 06:34:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 35.783 ms

Loss rate: 0.77%

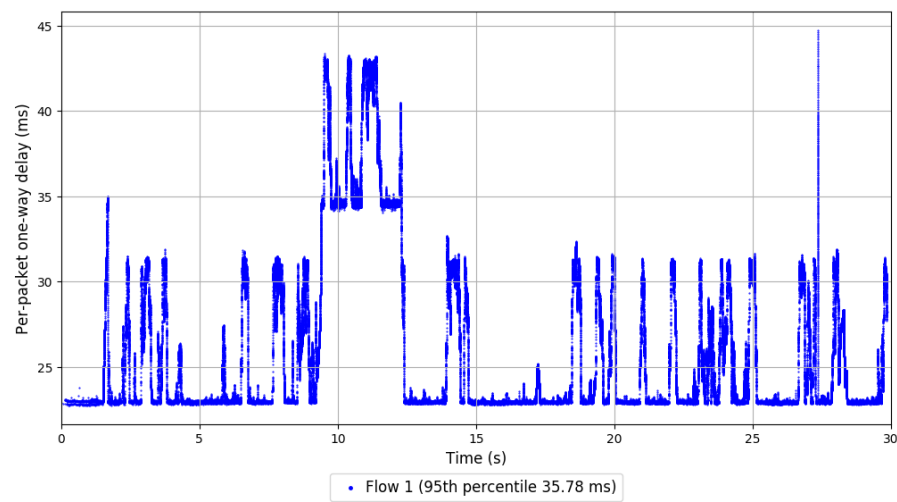
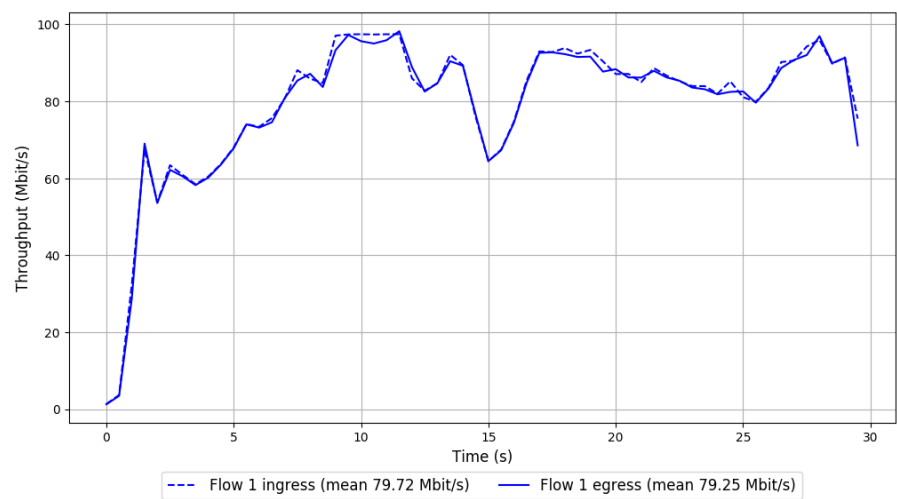
-- Flow 1:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 35.783 ms

Loss rate: 0.77%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-02-12 22:00:56

End at: 2018-02-12 22:01:26

Local clock offset: 3.544 ms

Remote clock offset: -3.472 ms

Below is generated by plot.py at 2018-02-13 06:35:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 40.403 ms

Loss rate: 0.43%

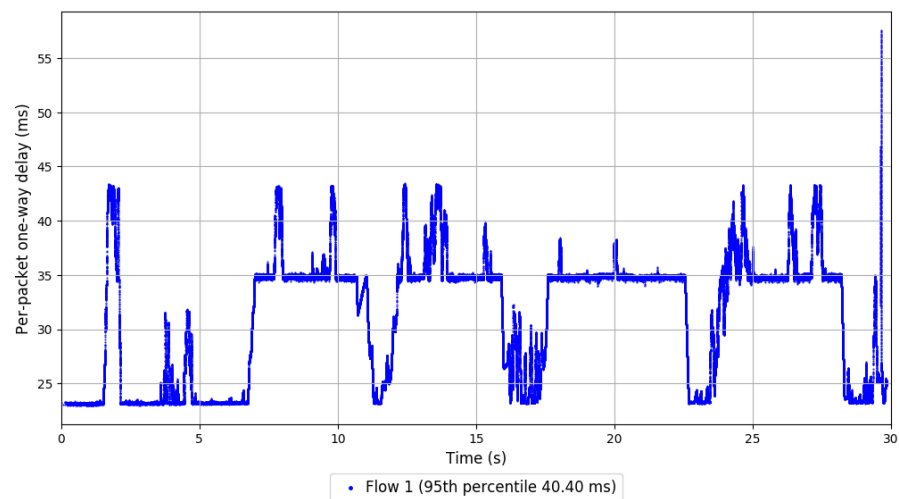
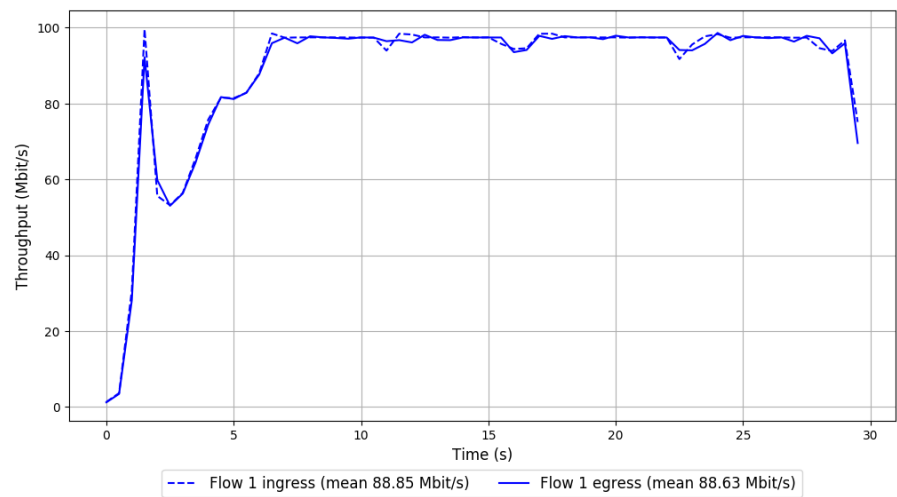
-- Flow 1:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 40.403 ms

Loss rate: 0.43%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-12 22:25:07

End at: 2018-02-12 22:25:37

Local clock offset: 1.596 ms

Remote clock offset: -6.252 ms

Below is generated by plot.py at 2018-02-13 06:35:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 37.206 ms

Loss rate: 0.24%

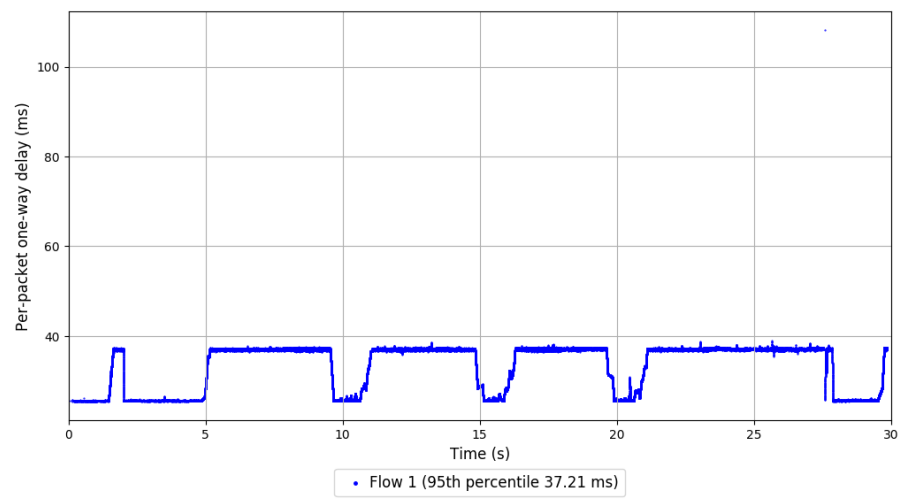
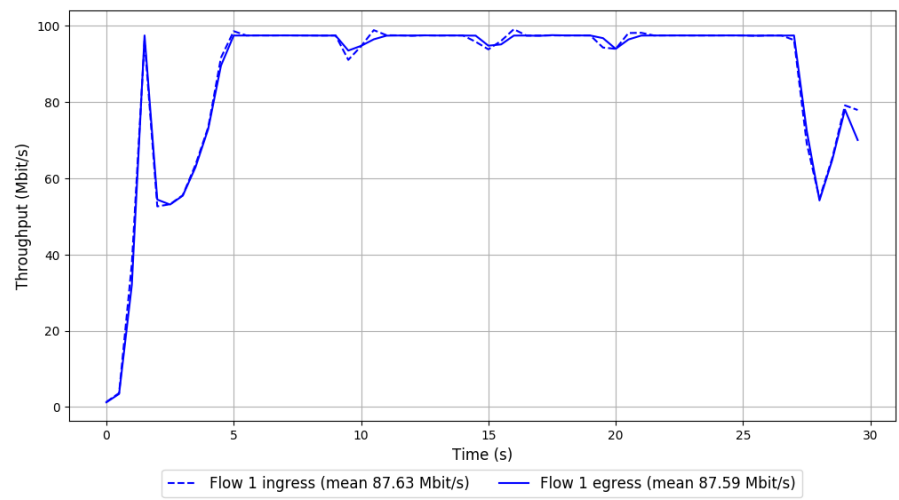
-- Flow 1:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 37.206 ms

Loss rate: 0.24%

Run 2: Report of Vivace-loss — Data Link

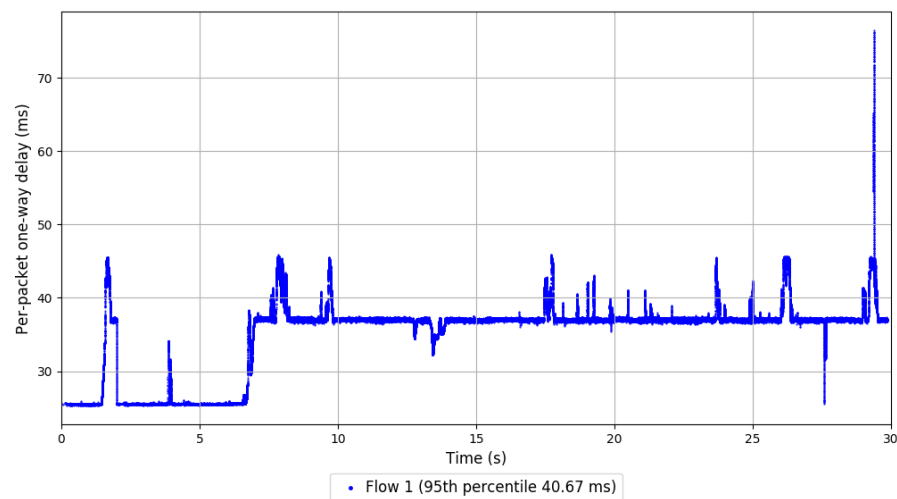
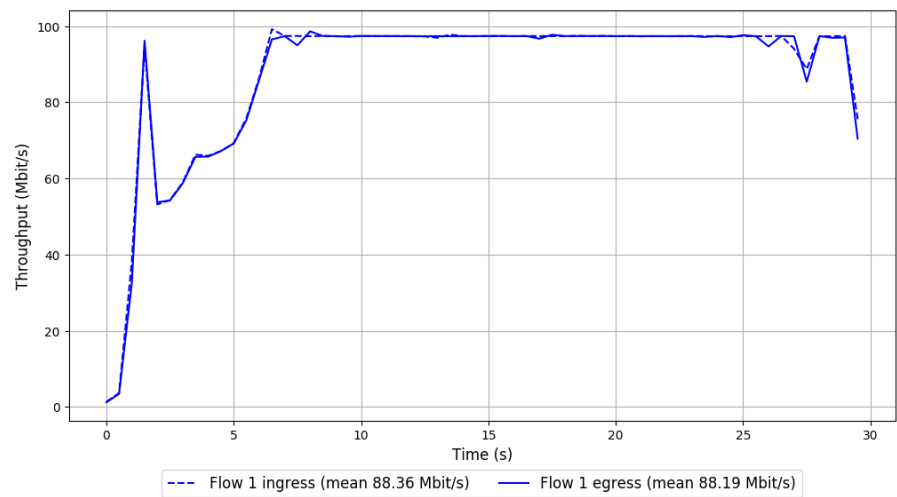


Run 3: Statistics of Vivace-loss

Start at: 2018-02-12 22:49:11
End at: 2018-02-12 22:49:41
Local clock offset: 2.991 ms
Remote clock offset: -5.731 ms

Below is generated by plot.py at 2018-02-13 06:35:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 40.674 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 40.674 ms
Loss rate: 0.37%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-12 23:13:09

End at: 2018-02-12 23:13:39

Local clock offset: 0.837 ms

Remote clock offset: -2.977 ms

Below is generated by plot.py at 2018-02-13 06:35:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.50 Mbit/s

95th percentile per-packet one-way delay: 37.969 ms

Loss rate: 0.40%

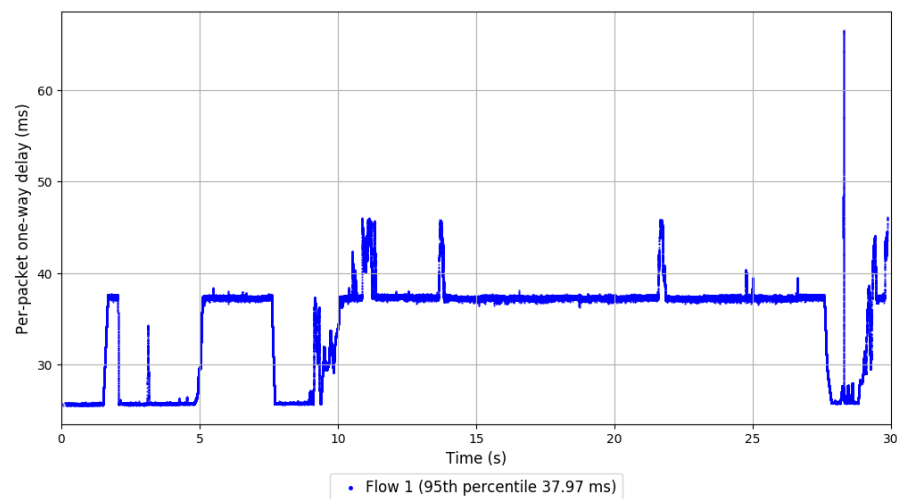
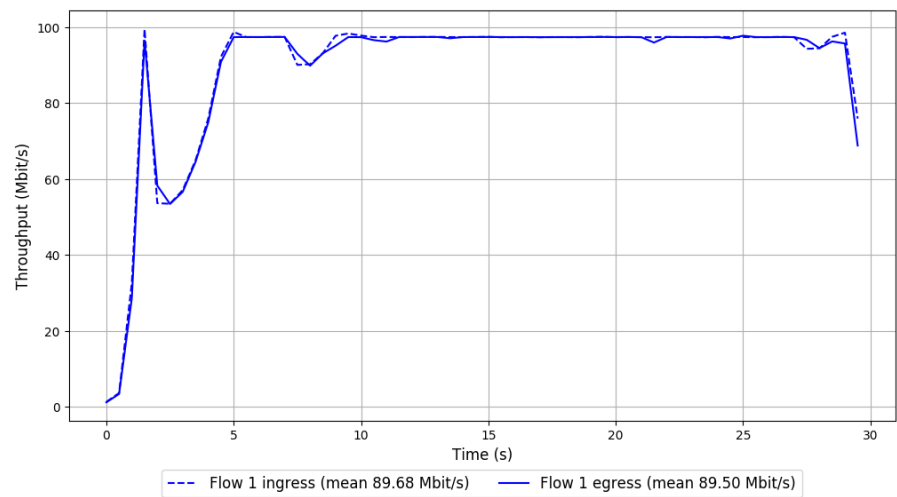
-- Flow 1:

Average throughput: 89.50 Mbit/s

95th percentile per-packet one-way delay: 37.969 ms

Loss rate: 0.40%

Run 4: Report of Vivace-loss — Data Link

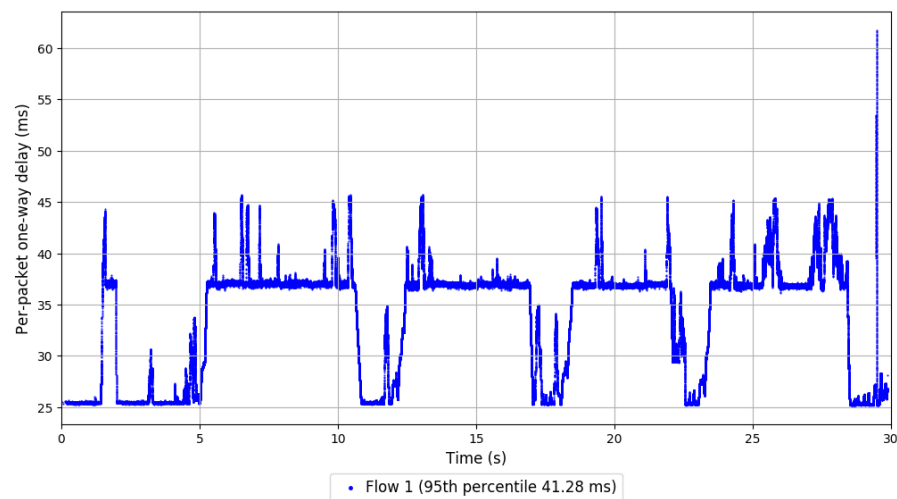
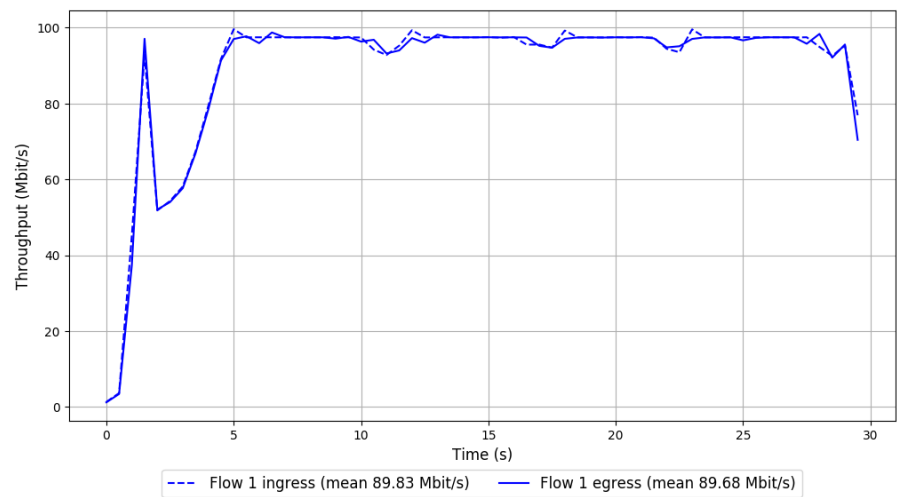


Run 5: Statistics of Vivace-loss

Start at: 2018-02-12 23:37:21
End at: 2018-02-12 23:37:51
Local clock offset: -0.939 ms
Remote clock offset: -3.114 ms

Below is generated by plot.py at 2018-02-13 06:35:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 41.276 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 41.276 ms
Loss rate: 0.35%

Run 5: Report of Vivace-loss — Data Link

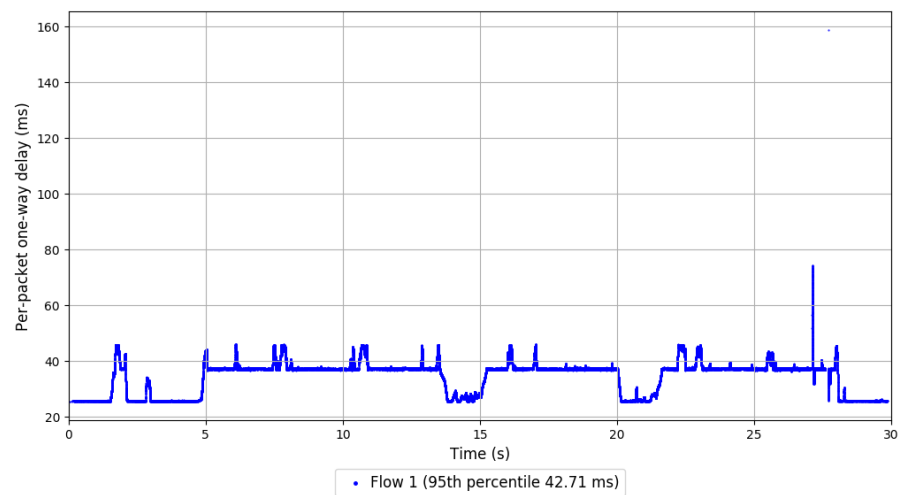
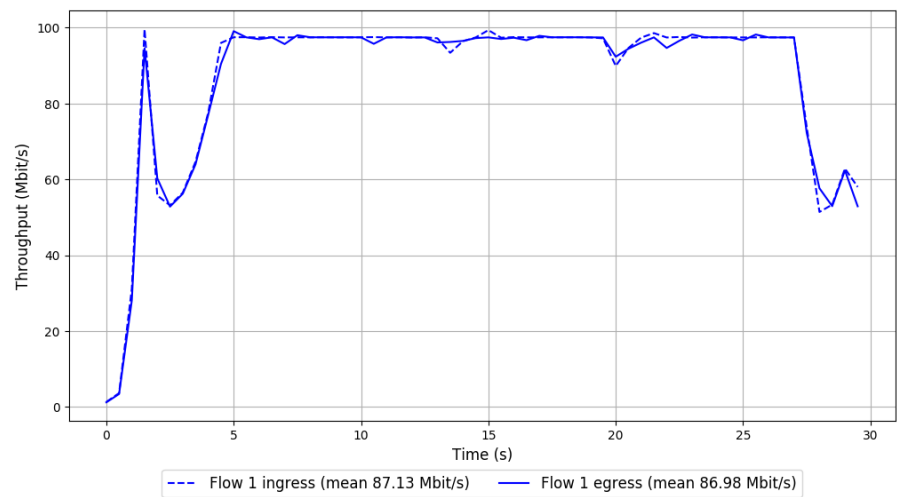


Run 6: Statistics of Vivace-loss

Start at: 2018-02-13 00:01:51
End at: 2018-02-13 00:02:21
Local clock offset: 0.896 ms
Remote clock offset: -4.228 ms

Below is generated by plot.py at 2018-02-13 06:35:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 42.710 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 42.710 ms
Loss rate: 0.35%

Run 6: Report of Vivace-loss — Data Link

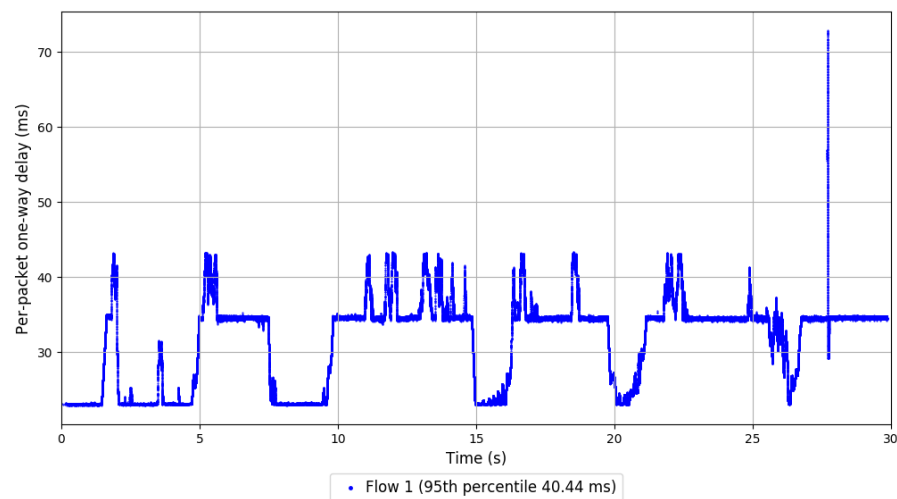
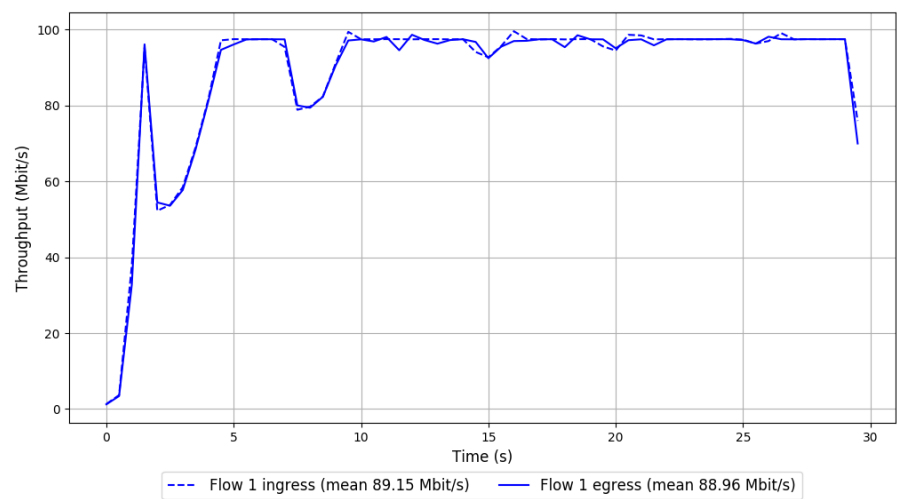


Run 7: Statistics of Vivace-loss

Start at: 2018-02-13 00:26:18
End at: 2018-02-13 00:26:48
Local clock offset: -0.074 ms
Remote clock offset: -4.419 ms

Below is generated by plot.py at 2018-02-13 06:36:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.96 Mbit/s
95th percentile per-packet one-way delay: 40.442 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 88.96 Mbit/s
95th percentile per-packet one-way delay: 40.442 ms
Loss rate: 0.41%

Run 7: Report of Vivace-loss — Data Link

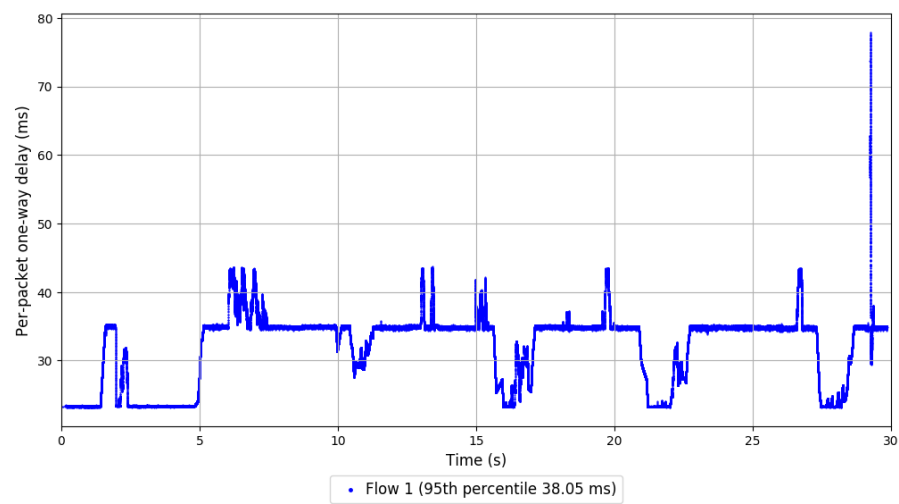
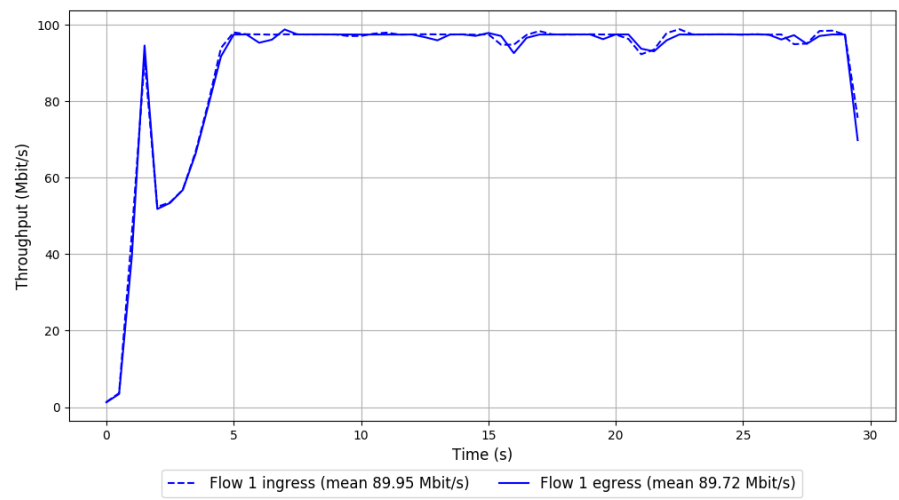


Run 8: Statistics of Vivace-loss

Start at: 2018-02-13 00:50:41
End at: 2018-02-13 00:51:11
Local clock offset: 0.623 ms
Remote clock offset: -5.124 ms

Below is generated by plot.py at 2018-02-13 06:36:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 38.048 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 38.048 ms
Loss rate: 0.43%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-13 01:14:45

End at: 2018-02-13 01:15:15

Local clock offset: 3.097 ms

Remote clock offset: -6.195 ms

Below is generated by plot.py at 2018-02-13 06:36:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 41.801 ms

Loss rate: 0.72%

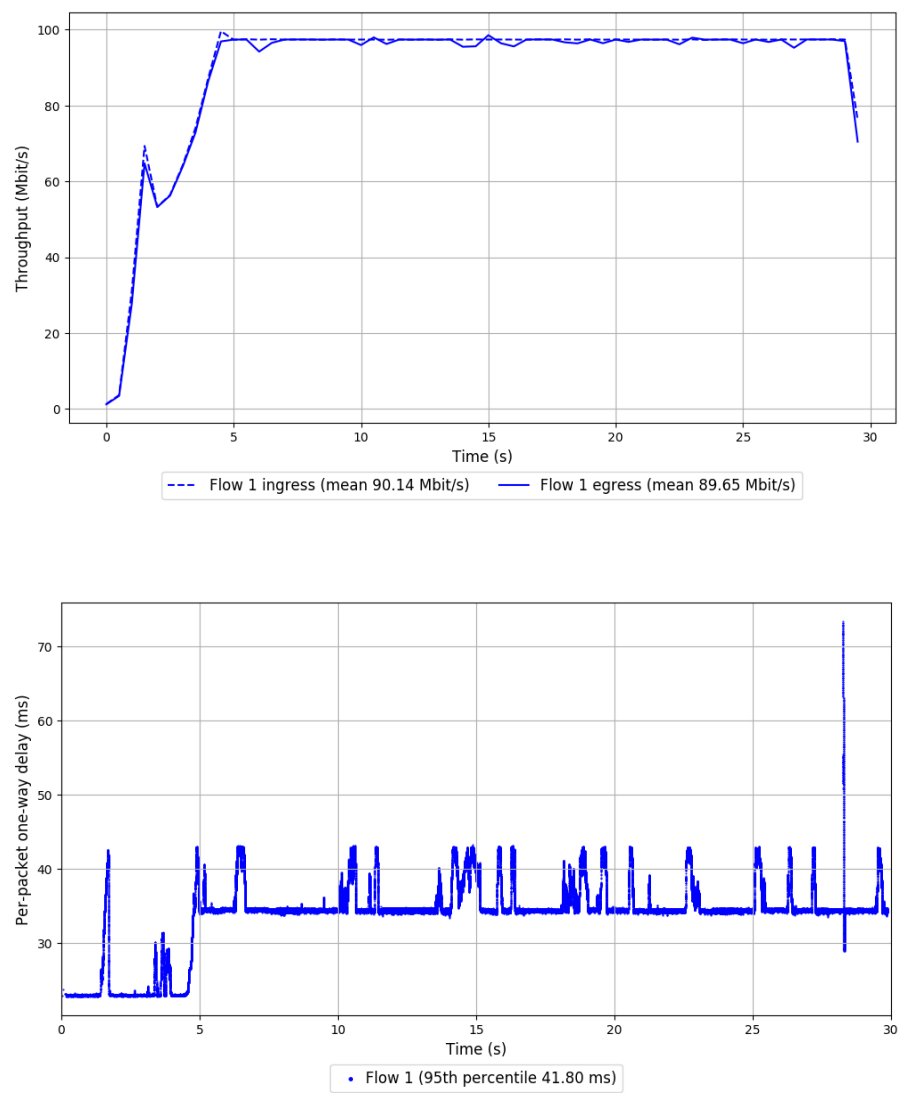
-- Flow 1:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 41.801 ms

Loss rate: 0.72%

Run 9: Report of Vivace-loss — Data Link

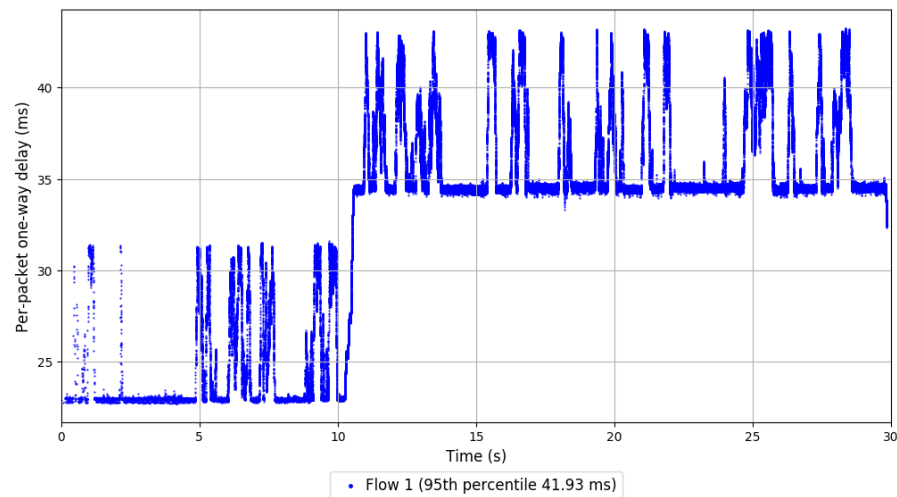
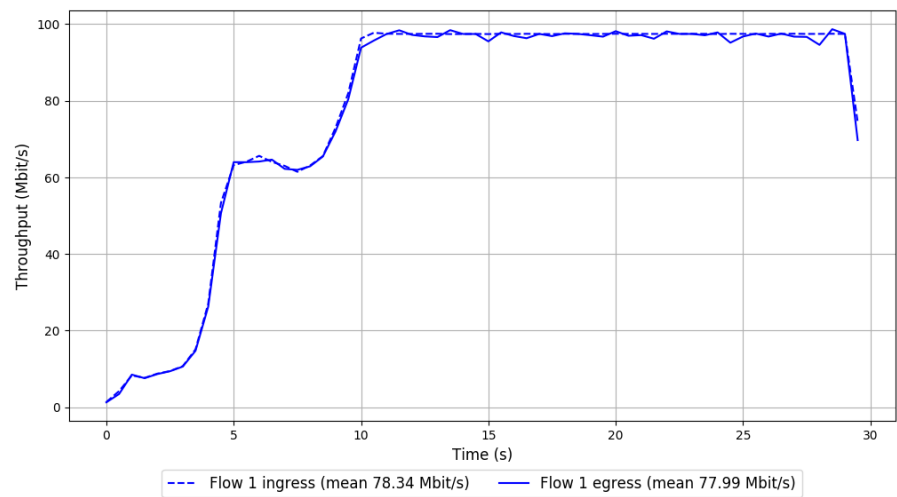


Run 10: Statistics of Vivace-loss

Start at: 2018-02-13 01:39:09
End at: 2018-02-13 01:39:39
Local clock offset: 1.893 ms
Remote clock offset: -8.767 ms

Below is generated by plot.py at 2018-02-13 06:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.99 Mbit/s
95th percentile per-packet one-way delay: 41.932 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 77.99 Mbit/s
95th percentile per-packet one-way delay: 41.932 ms
Loss rate: 0.63%

Run 10: Report of Vivace-loss — Data Link

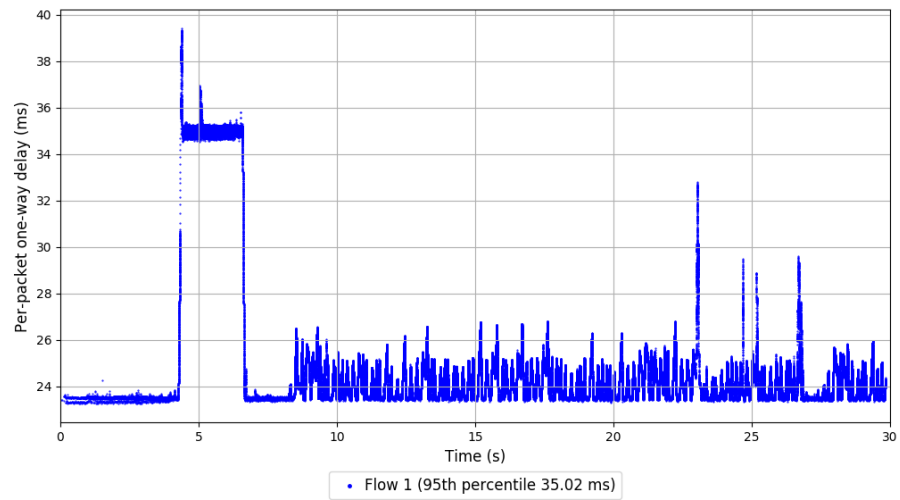
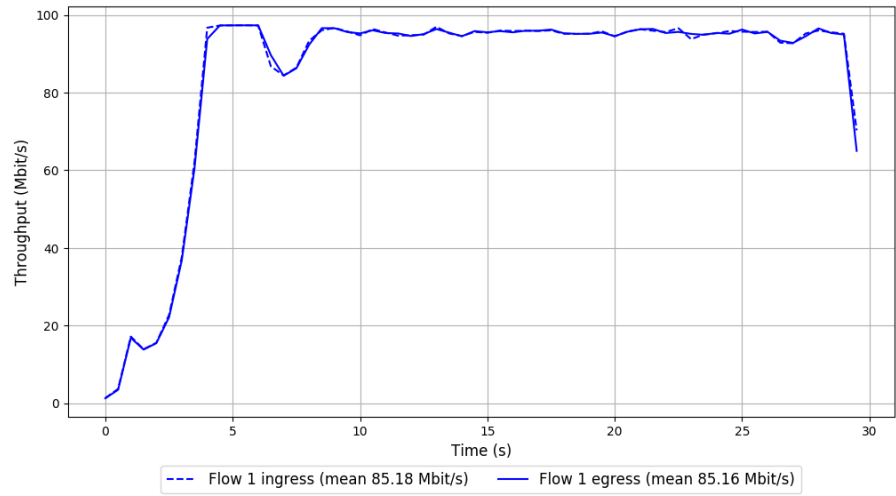


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-12 21:54:19
End at: 2018-02-12 21:54:49
Local clock offset: 5.17 ms
Remote clock offset: -4.098 ms

Below is generated by plot.py at 2018-02-13 06:36:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.16 Mbit/s
95th percentile per-packet one-way delay: 35.018 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 85.16 Mbit/s
95th percentile per-packet one-way delay: 35.018 ms
Loss rate: 0.20%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-12 22:18:24

End at: 2018-02-12 22:18:54

Local clock offset: 1.712 ms

Remote clock offset: -3.939 ms

Below is generated by plot.py at 2018-02-13 06:36:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.61 Mbit/s

95th percentile per-packet one-way delay: 34.543 ms

Loss rate: 0.27%

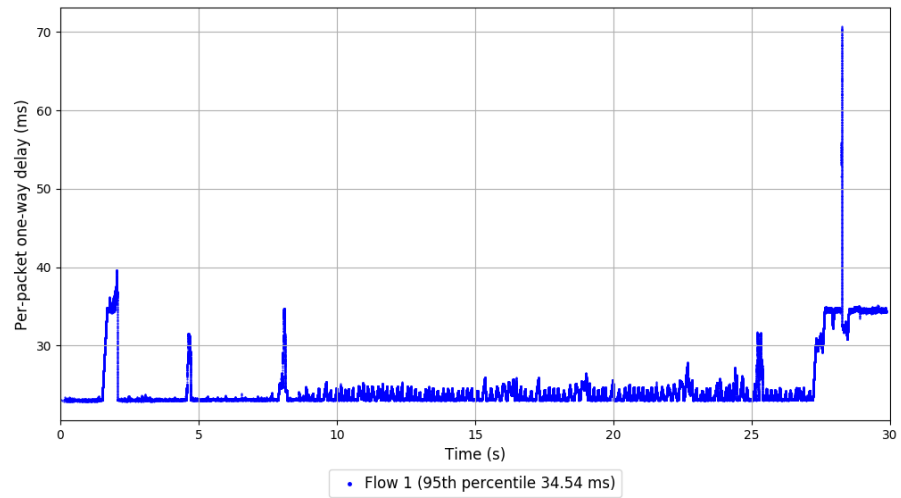
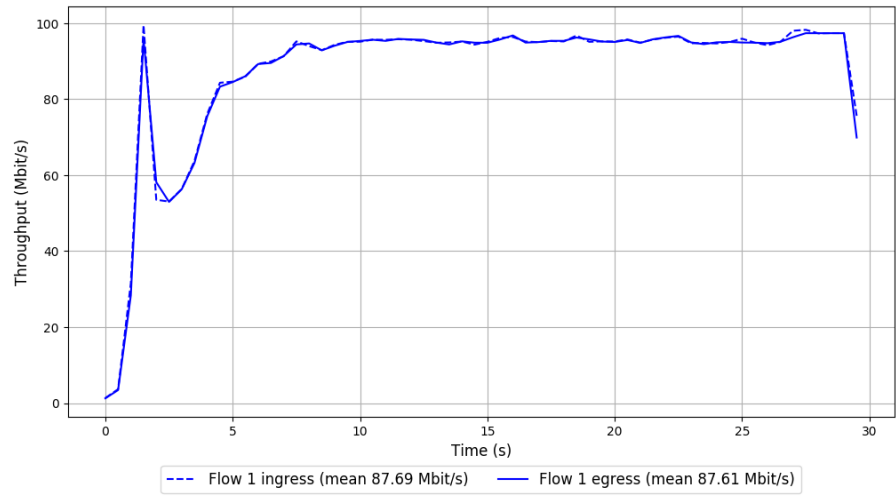
-- Flow 1:

Average throughput: 87.61 Mbit/s

95th percentile per-packet one-way delay: 34.543 ms

Loss rate: 0.27%

Run 2: Report of Vivace-LTE — Data Link

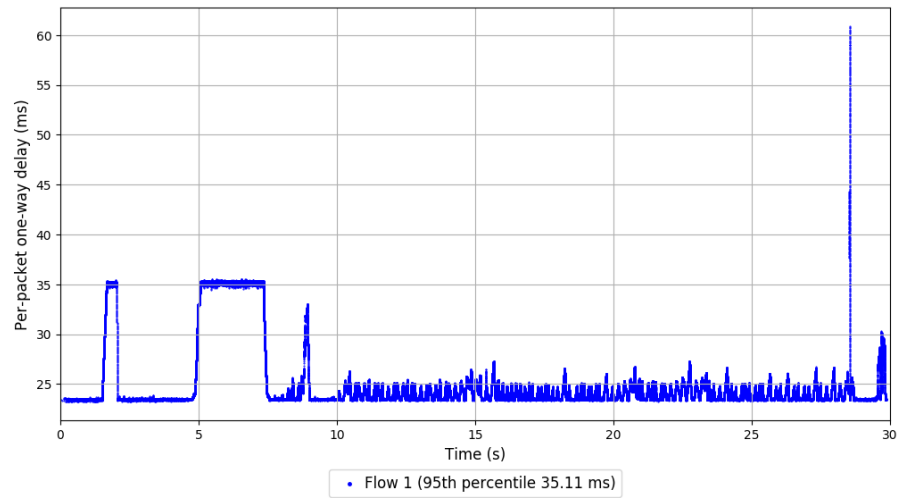
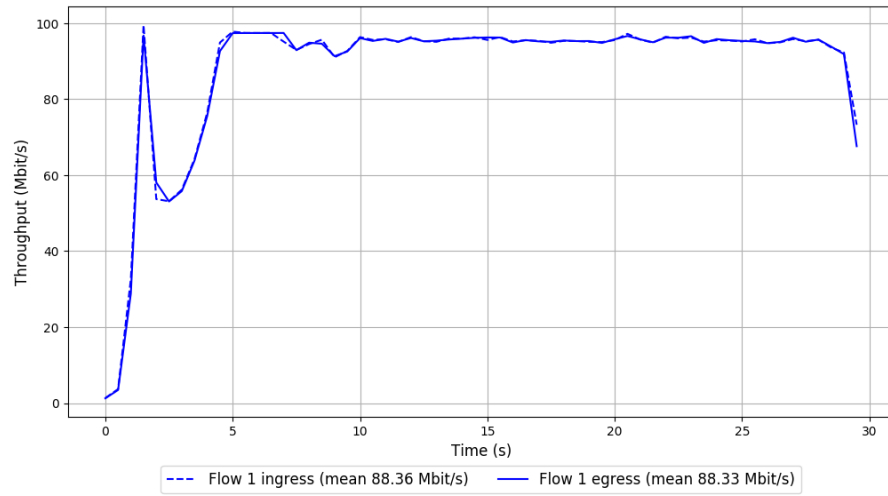


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-12 22:42:31
End at: 2018-02-12 22:43:01
Local clock offset: 2.626 ms
Remote clock offset: -3.726 ms

Below is generated by plot.py at 2018-02-13 06:37:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 35.109 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 35.109 ms
Loss rate: 0.21%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-12 23:06:32

End at: 2018-02-12 23:07:02

Local clock offset: 2.382 ms

Remote clock offset: -1.808 ms

Below is generated by plot.py at 2018-02-13 06:37:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.69 Mbit/s

95th percentile per-packet one-way delay: 35.459 ms

Loss rate: 0.28%

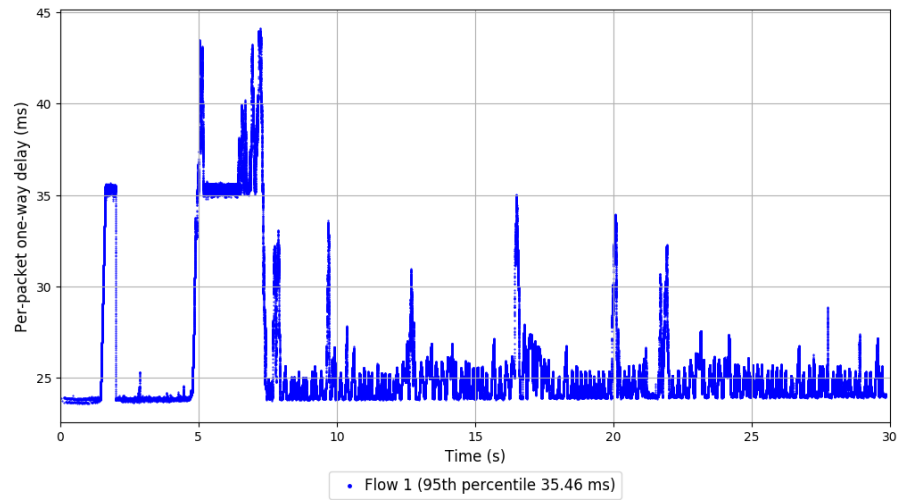
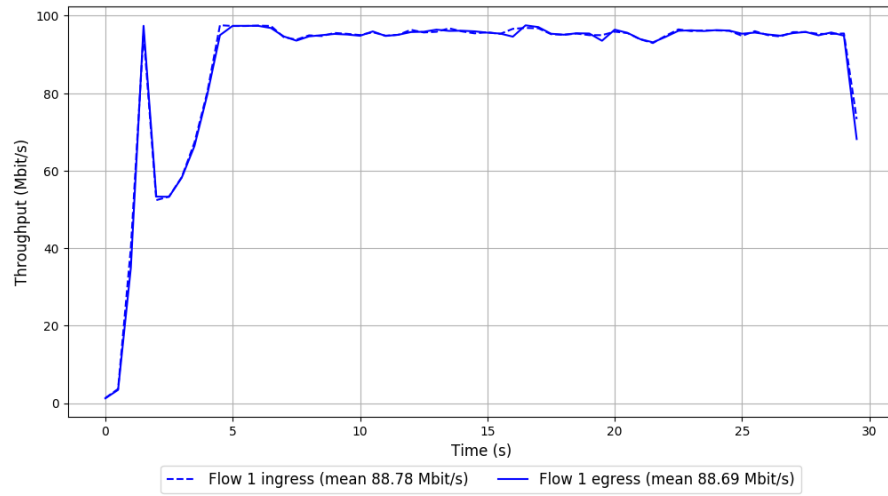
-- Flow 1:

Average throughput: 88.69 Mbit/s

95th percentile per-packet one-way delay: 35.459 ms

Loss rate: 0.28%

Run 4: Report of Vivace-LTE — Data Link

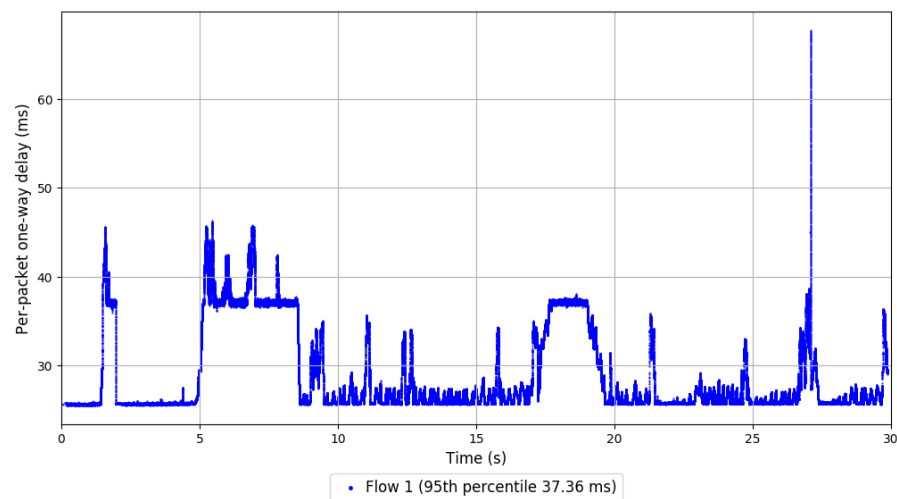
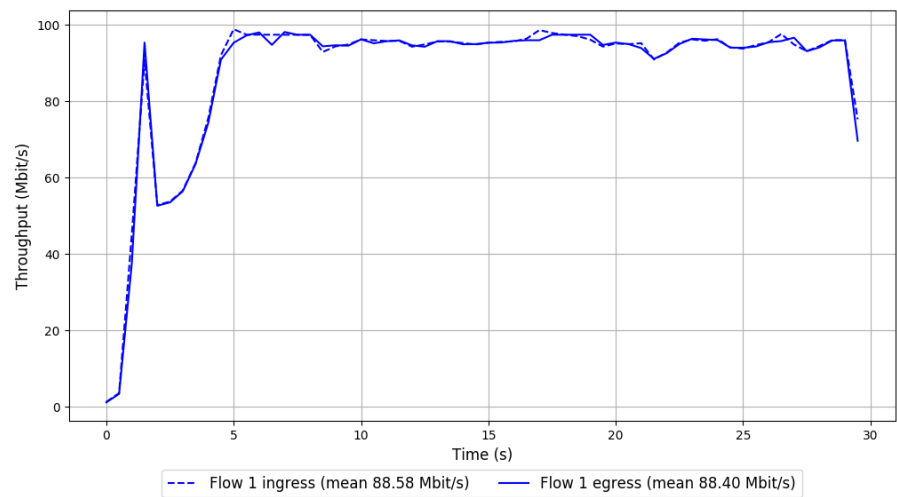


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-12 23:30:43
End at: 2018-02-12 23:31:13
Local clock offset: -0.672 ms
Remote clock offset: -1.341 ms

Below is generated by plot.py at 2018-02-13 06:37:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 37.359 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 37.359 ms
Loss rate: 0.38%

Run 5: Report of Vivace-LTE — Data Link

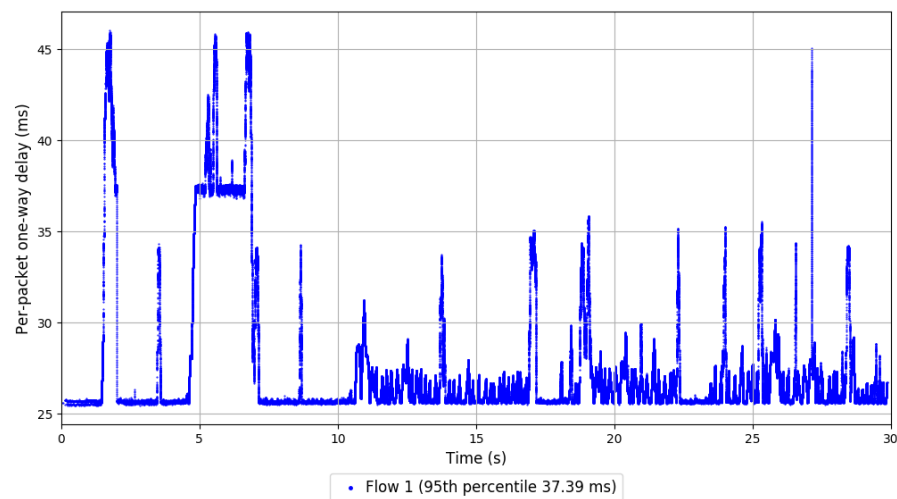
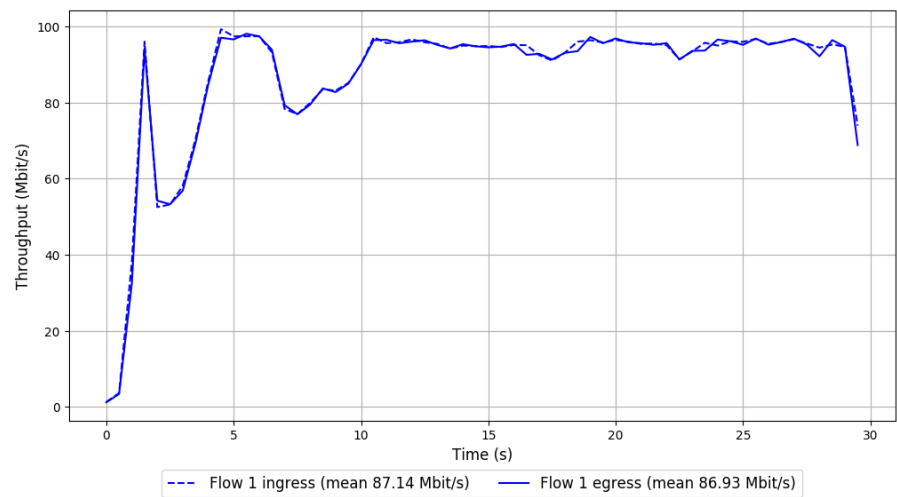


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-12 23:54:51
End at: 2018-02-12 23:55:21
Local clock offset: 0.765 ms
Remote clock offset: -4.424 ms

Below is generated by plot.py at 2018-02-13 06:37:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 37.390 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 37.390 ms
Loss rate: 0.41%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-13 00:19:26

End at: 2018-02-13 00:19:56

Local clock offset: 0.27 ms

Remote clock offset: -4.38 ms

Below is generated by plot.py at 2018-02-13 06:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 34.668 ms

Loss rate: 0.36%

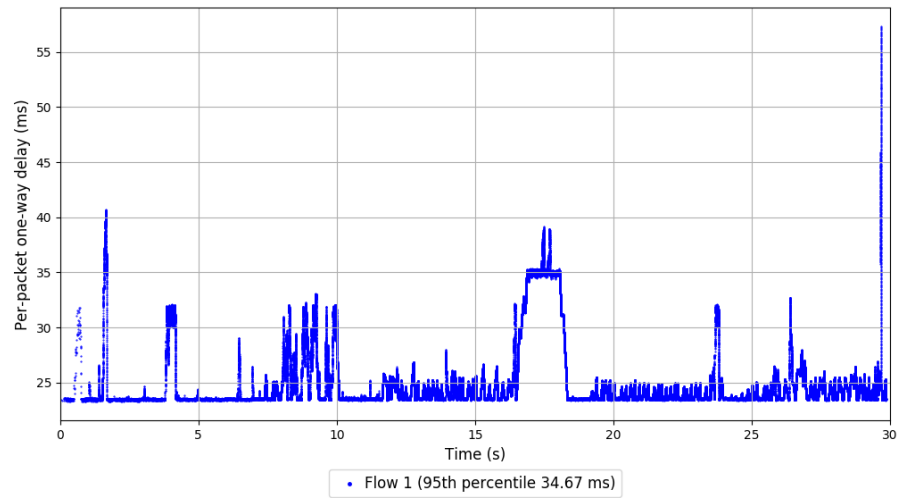
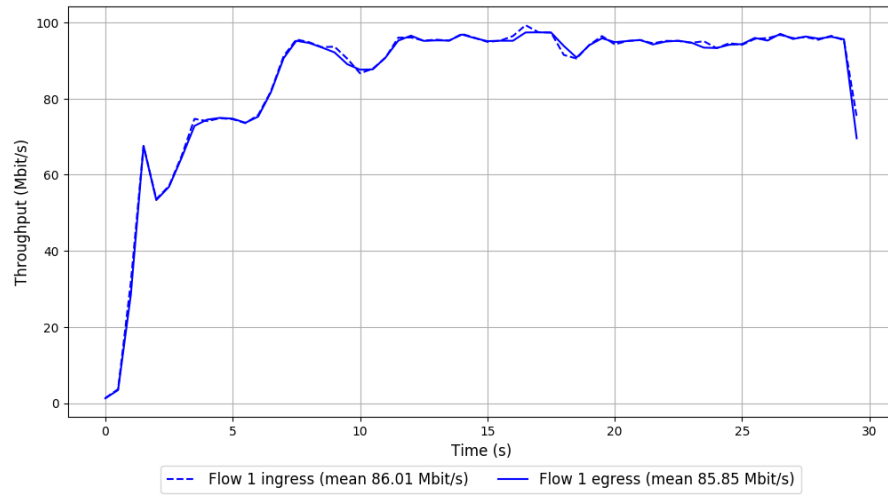
-- Flow 1:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 34.668 ms

Loss rate: 0.36%

Run 7: Report of Vivace-LTE — Data Link

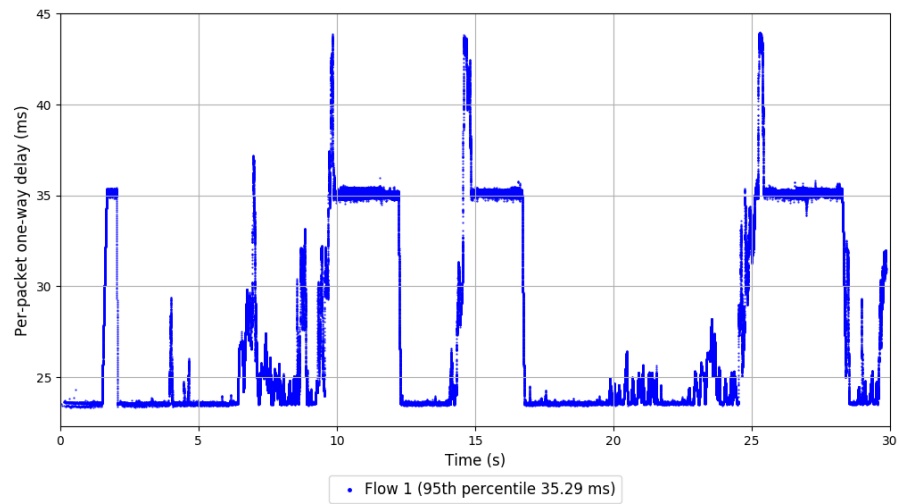
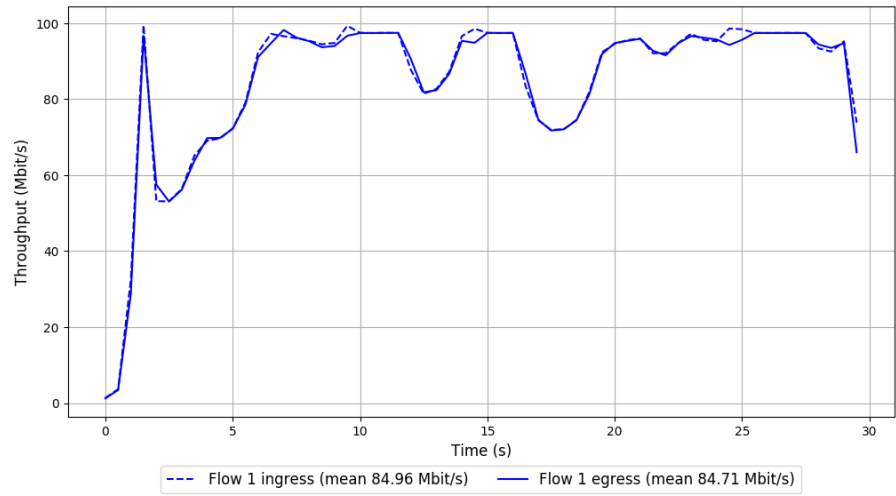


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-13 00:43:58
End at: 2018-02-13 00:44:28
Local clock offset: -0.627 ms
Remote clock offset: -5.236 ms

Below is generated by plot.py at 2018-02-13 06:37:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 35.288 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 35.288 ms
Loss rate: 0.47%

Run 8: Report of Vivace-LTE — Data Link

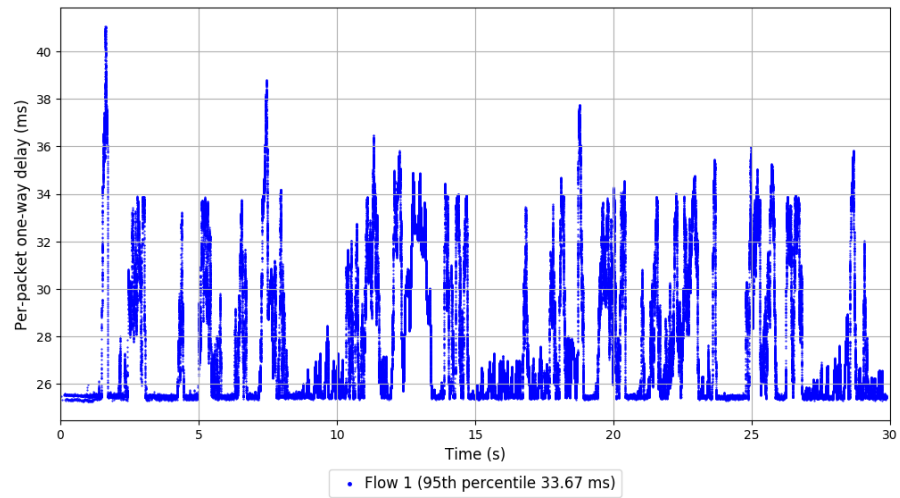
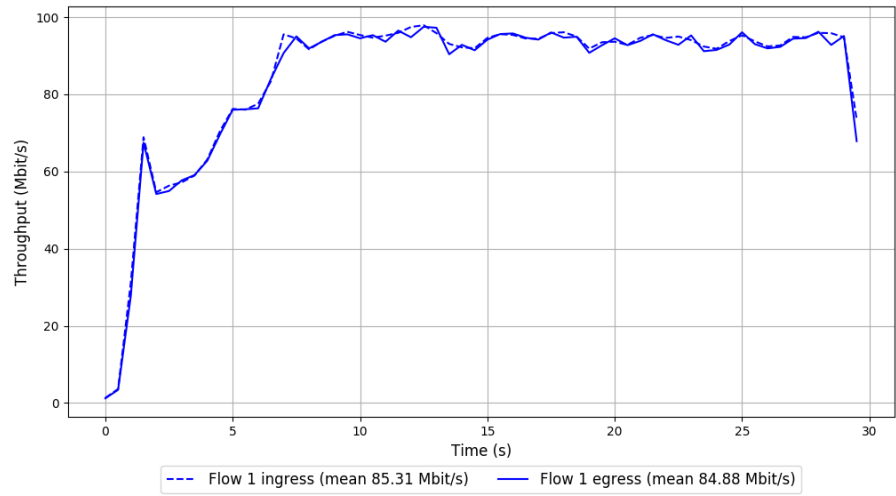


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-13 01:08:06
End at: 2018-02-13 01:08:36
Local clock offset: 2.732 ms
Remote clock offset: -8.043 ms

Below is generated by plot.py at 2018-02-13 06:37:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 33.671 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 33.671 ms
Loss rate: 0.68%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-13 01:32:27
End at: 2018-02-13 01:32:57
Local clock offset: 2.144 ms
Remote clock offset: -8.415 ms

Below is generated by plot.py at 2018-02-13 06:37:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 39.903 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 39.903 ms
Loss rate: 0.54%

Run 10: Report of Vivace-LTE — Data Link

