

Pantheon Report

Generated at 2018-02-13 04:54:48 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

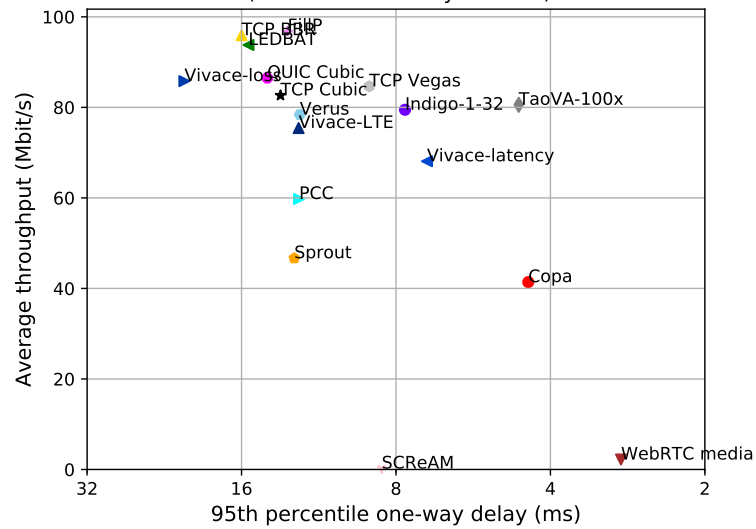
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

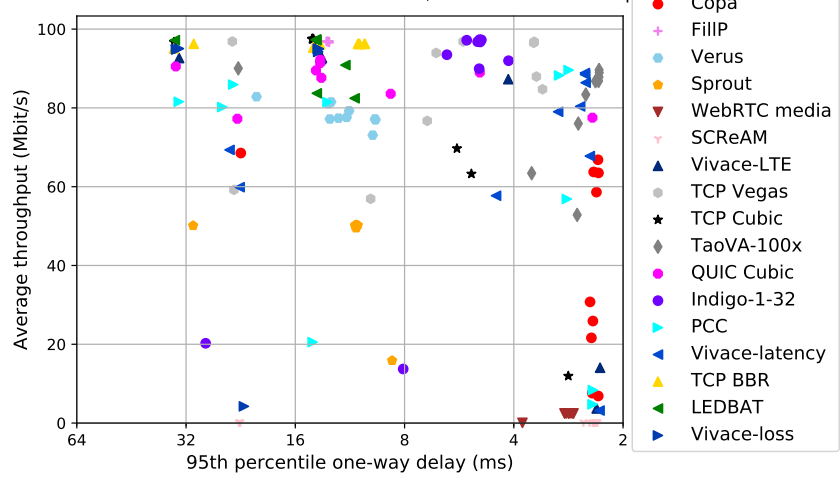
Git summary:

```
branch: master @ 2efdad57c2c56a9458b0d01ff33345e11732665
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
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 Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme



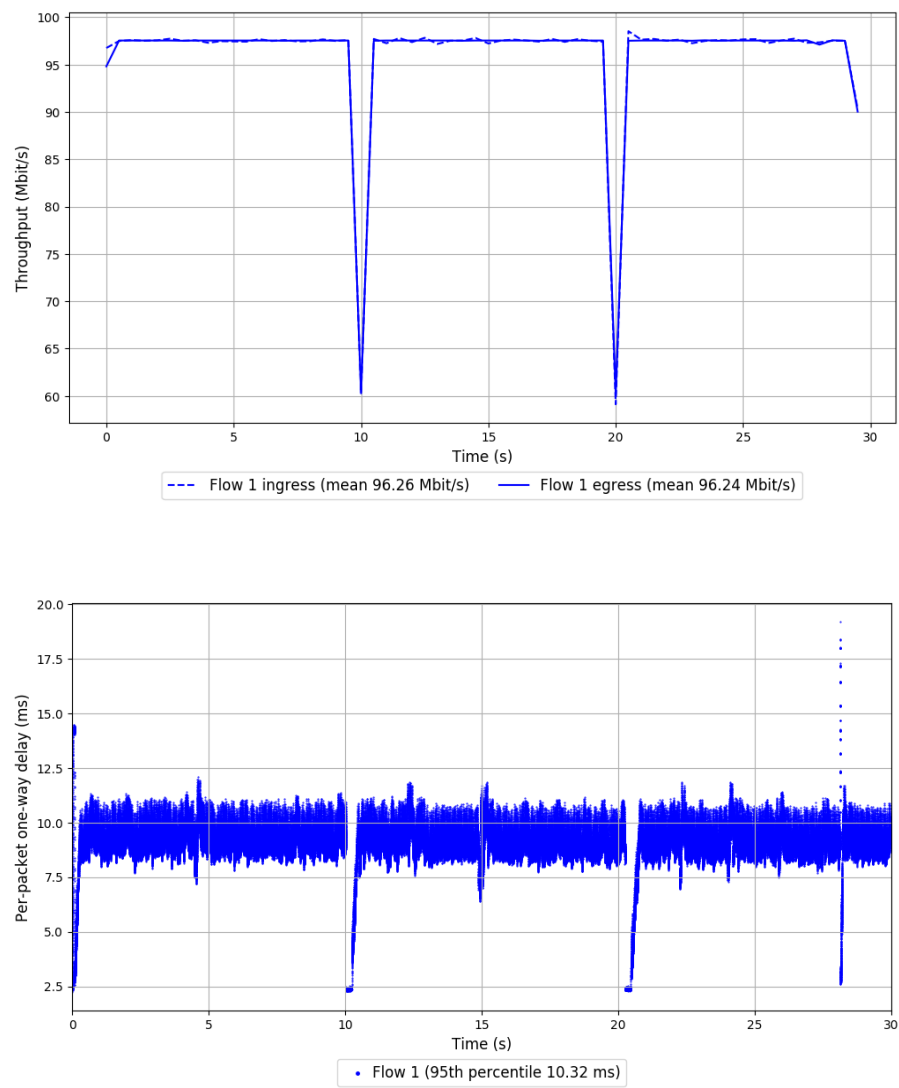
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.95	15.99	0.05
TCP Cubic	10	82.65	13.43	0.09
LEDBAT	10	93.78	15.51	0.08
PCC	10	59.75	12.36	0.04
QUIC Cubic	9	86.51	14.26	0.05
SCReAM	10	0.22	8.53	0.00
WebRTC media	10	2.20	2.91	0.01
Sprout	10	46.67	12.63	0.05
TaoVA-100x	10	80.57	4.61	0.03
TCP Vegas	10	84.65	9.02	0.02
Verus	10	78.41	12.32	0.04
Copa	10	41.40	4.42	0.02
FillP	10	96.83	13.01	0.05
Indigo-1-32	10	79.47	7.68	0.03
Vivace-latency	10	68.09	6.96	0.04
Vivace-loss	10	85.80	20.68	0.07
Vivace-LTE	10	75.44	12.38	0.03

Run 1: Statistics of TCP BBR

Start at: 2018-02-12 21:53:42
End at: 2018-02-12 21:54:12
Local clock offset: -4.792 ms
Remote clock offset: -4.188 ms

Below is generated by plot.py at 2018-02-13 04:32:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.319 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.319 ms
Loss rate: 0.04%

Run 1: Report of TCP BBR — Data Link

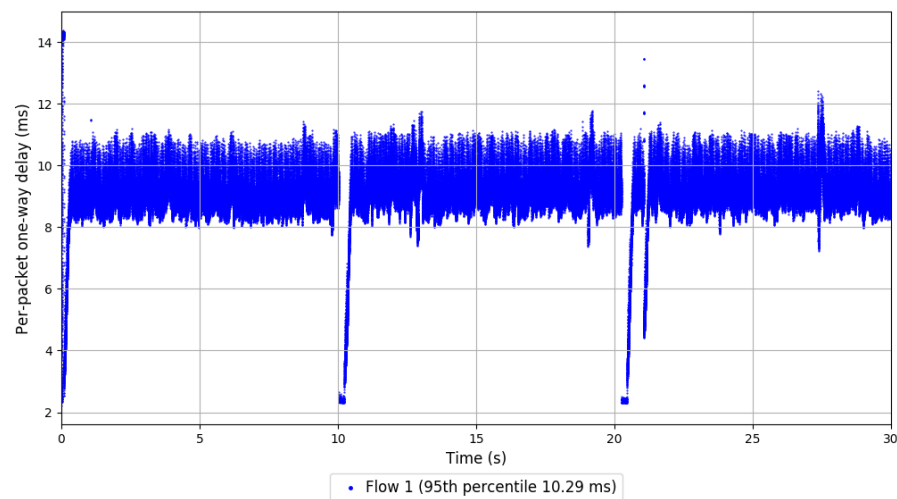
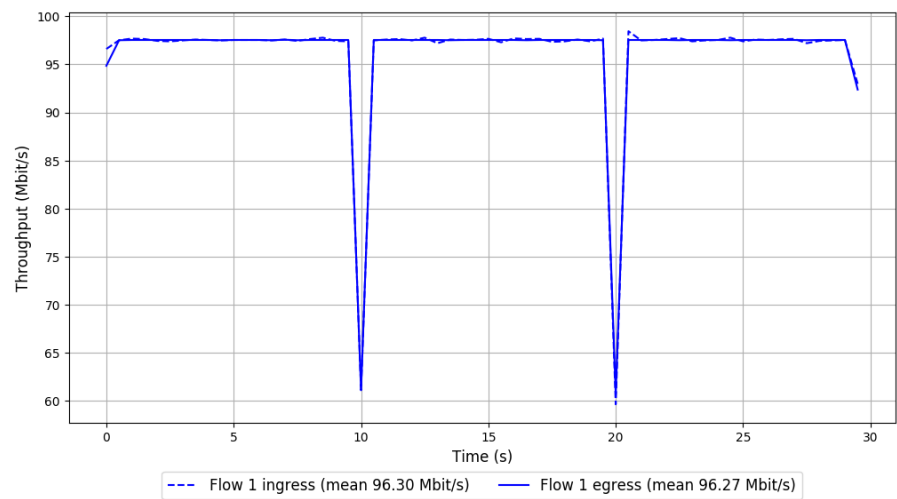


Run 2: Statistics of TCP BBR

Start at: 2018-02-12 22:13:41
End at: 2018-02-12 22:14:11
Local clock offset: -4.095 ms
Remote clock offset: -4.837 ms

Below is generated by plot.py at 2018-02-13 04:32:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.289 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.289 ms
Loss rate: 0.04%

Run 2: Report of TCP BBR — Data Link

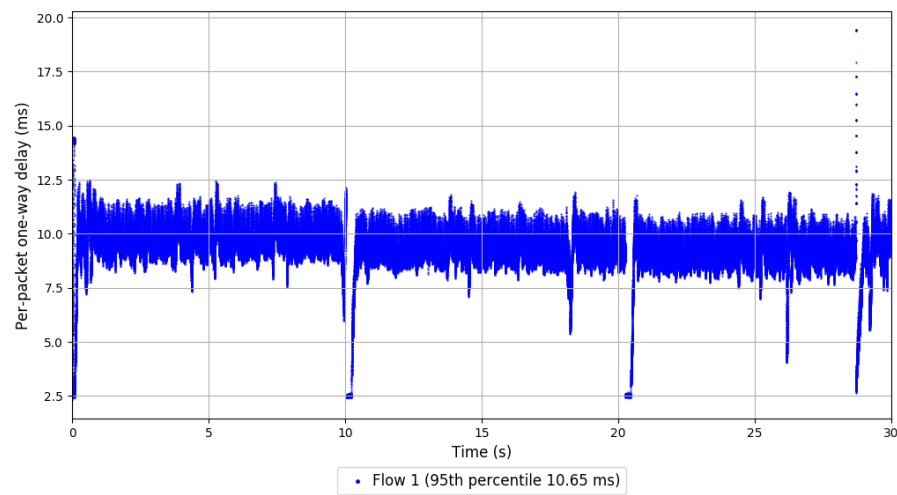
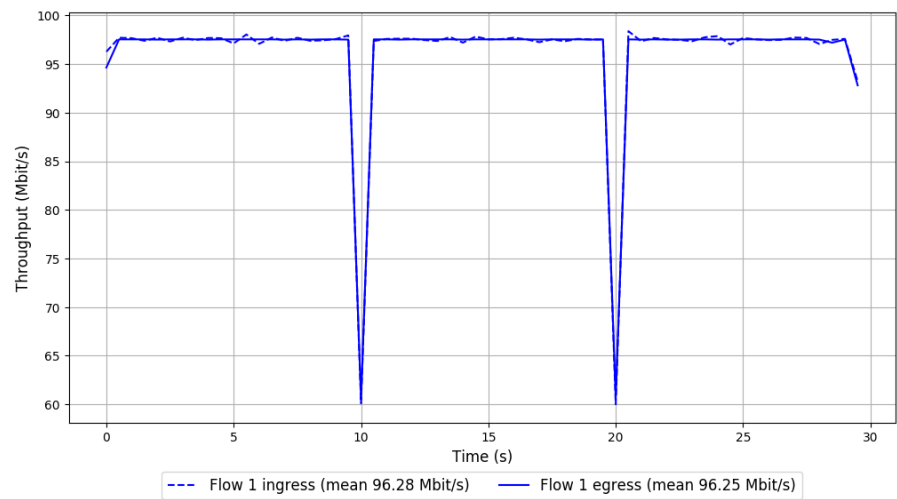


Run 3: Statistics of TCP BBR

Start at: 2018-02-12 22:33:58
End at: 2018-02-12 22:34:28
Local clock offset: -3.905 ms
Remote clock offset: -4.712 ms

Below is generated by plot.py at 2018-02-13 04:32:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.648 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.648 ms
Loss rate: 0.04%

Run 3: Report of TCP BBR — Data Link

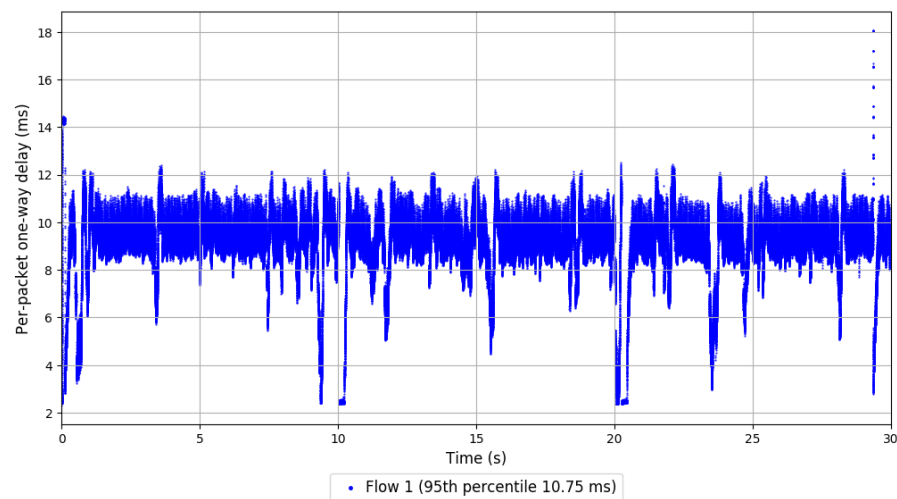
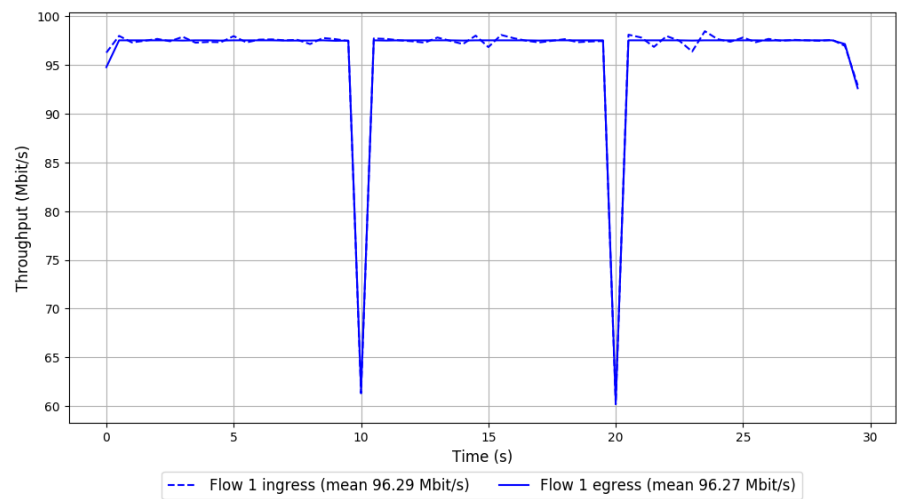


Run 4: Statistics of TCP BBR

Start at: 2018-02-12 22:54:16
End at: 2018-02-12 22:54:46
Local clock offset: -3.948 ms
Remote clock offset: -4.479 ms

Below is generated by plot.py at 2018-02-13 04:32:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.750 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.750 ms
Loss rate: 0.04%

Run 4: Report of TCP BBR — Data Link

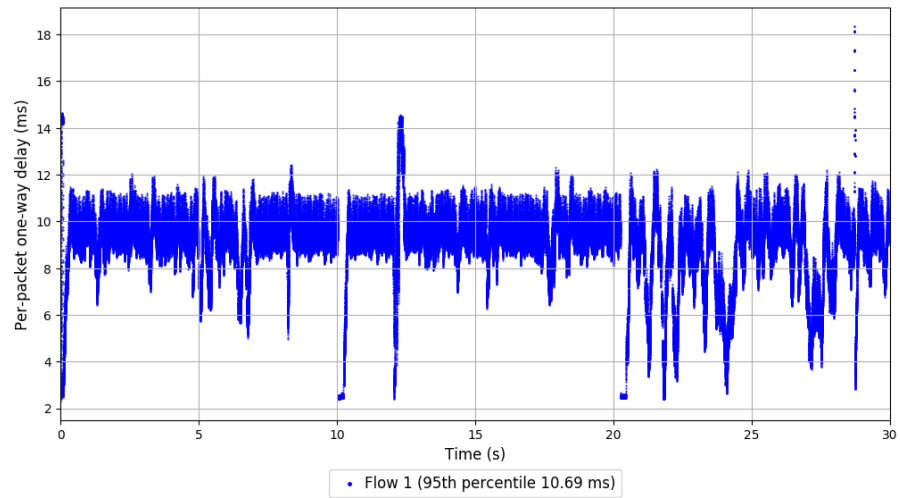
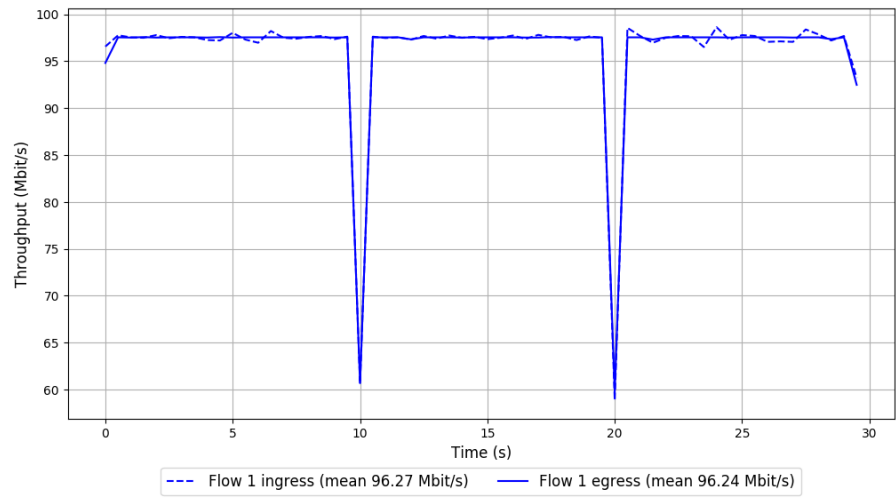


Run 5: Statistics of TCP BBR

Start at: 2018-02-12 23:14:30
End at: 2018-02-12 23:15:00
Local clock offset: -3.912 ms
Remote clock offset: -4.567 ms

Below is generated by plot.py at 2018-02-13 04:32:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.692 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.692 ms
Loss rate: 0.05%

Run 5: Report of TCP BBR — Data Link

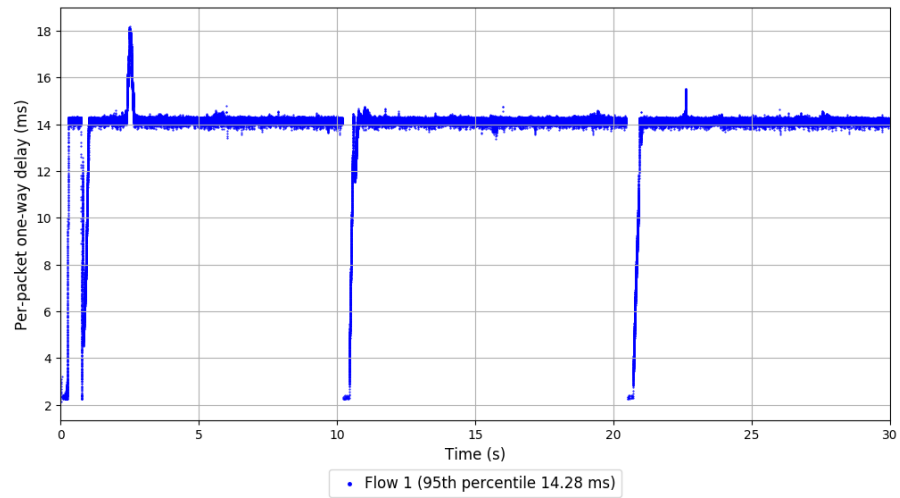
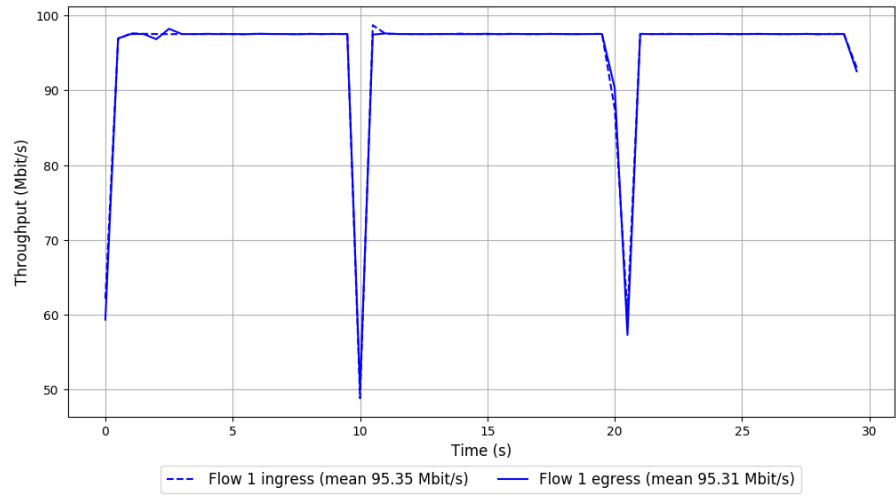


Run 6: Statistics of TCP BBR

Start at: 2018-02-12 23:34:46
End at: 2018-02-12 23:35:16
Local clock offset: -3.965 ms
Remote clock offset: -4.715 ms

Below is generated by plot.py at 2018-02-13 04:32:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 14.275 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 14.275 ms
Loss rate: 0.06%

Run 6: Report of TCP BBR — Data Link

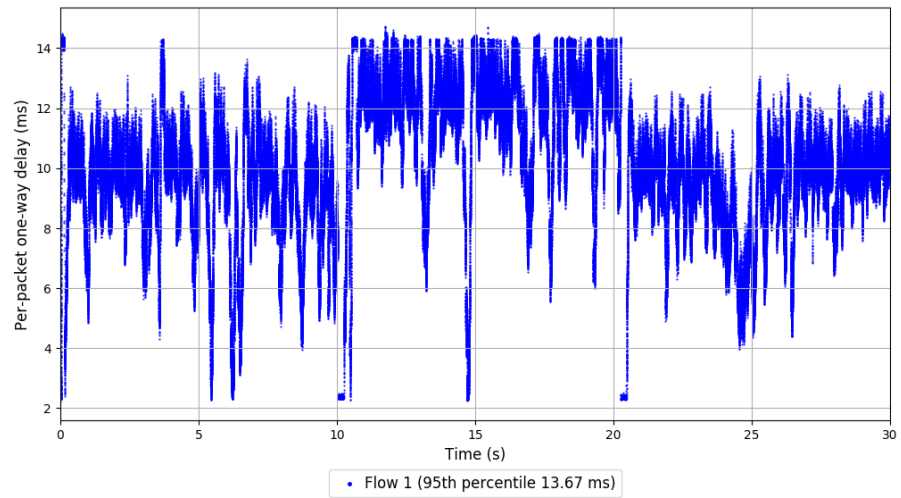
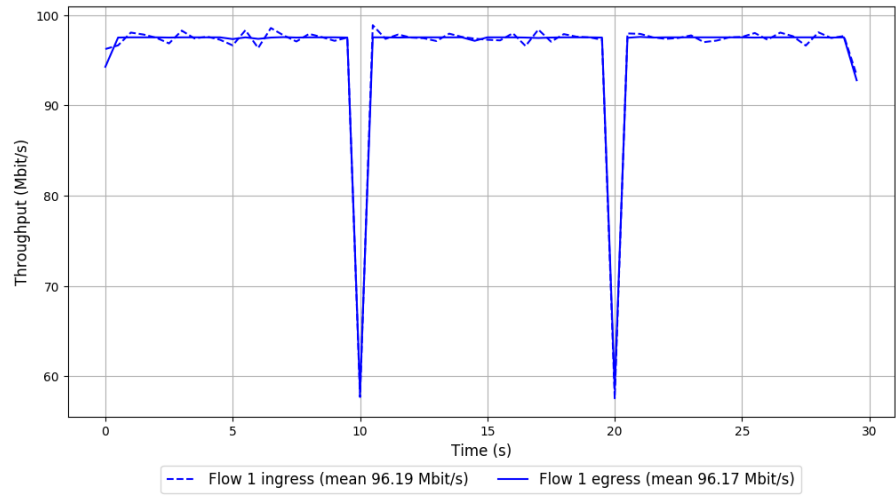


Run 7: Statistics of TCP BBR

Start at: 2018-02-12 23:55:01
End at: 2018-02-12 23:55:31
Local clock offset: -4.677 ms
Remote clock offset: -5.109 ms

Below is generated by plot.py at 2018-02-13 04:32:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 13.667 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 13.667 ms
Loss rate: 0.04%

Run 7: Report of TCP BBR — Data Link

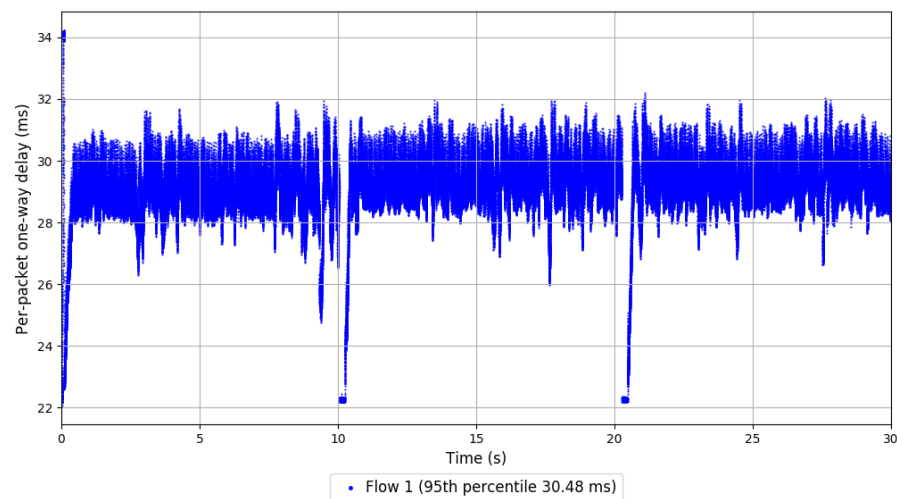
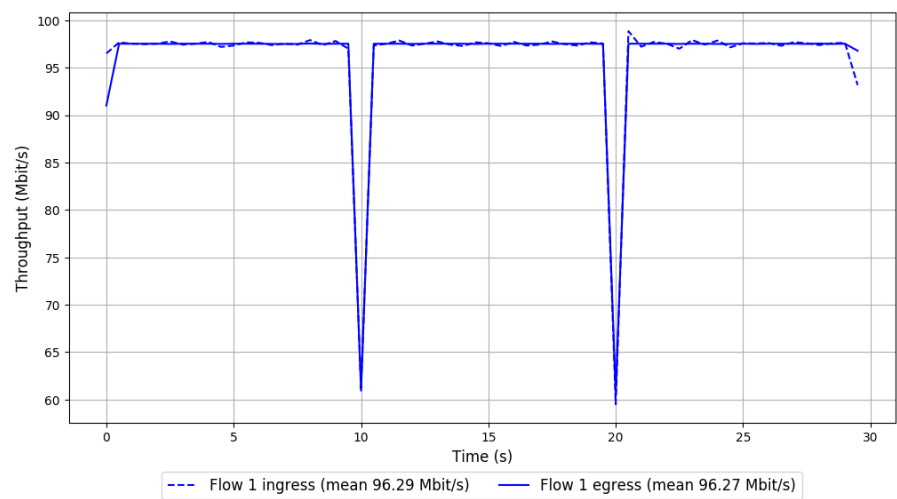


Run 8: Statistics of TCP BBR

Start at: 2018-02-13 00:15:05
End at: 2018-02-13 00:15:35
Local clock offset: -4.97 ms
Remote clock offset: -24.827 ms

Below is generated by plot.py at 2018-02-13 04:32:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 30.480 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 30.480 ms
Loss rate: 0.04%

Run 8: Report of TCP BBR — Data Link

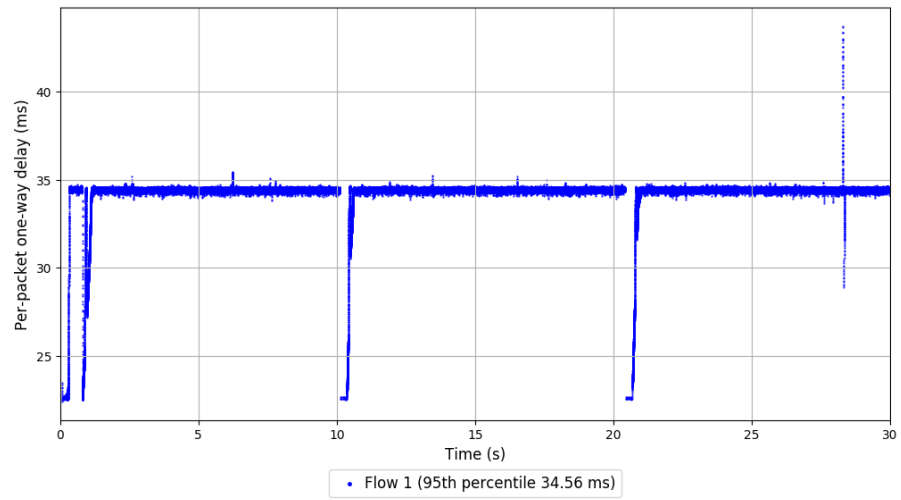
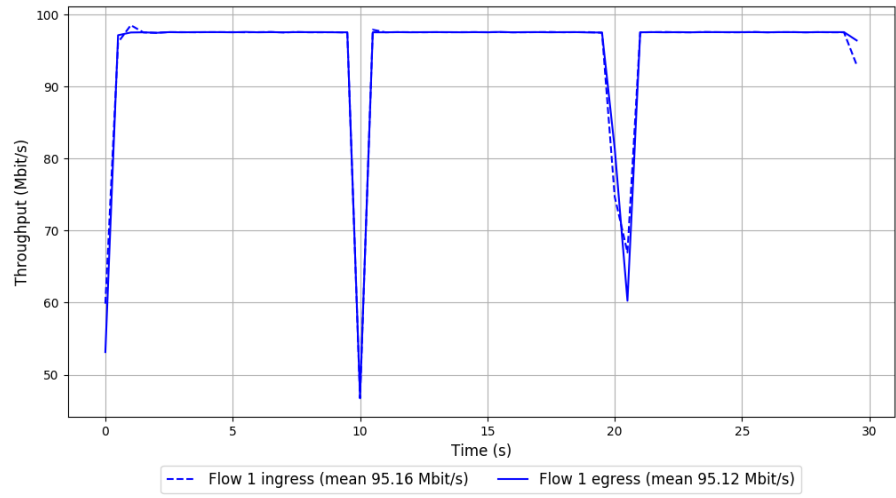


Run 9: Statistics of TCP BBR

Start at: 2018-02-13 00:35:16
End at: 2018-02-13 00:35:46
Local clock offset: -5.322 ms
Remote clock offset: -25.109 ms

Below is generated by plot.py at 2018-02-13 04:33:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 34.556 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 34.556 ms
Loss rate: 0.06%

Run 9: Report of TCP BBR — Data Link

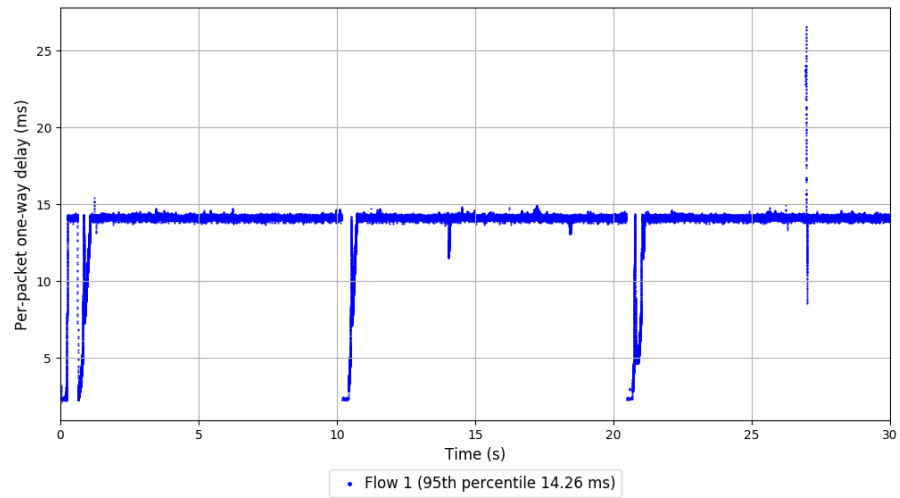
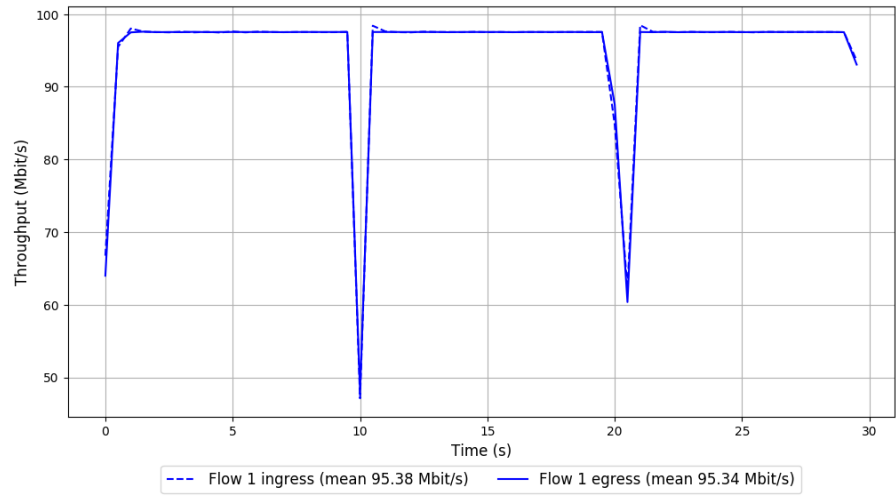


Run 10: Statistics of TCP BBR

Start at: 2018-02-13 00:55:30
End at: 2018-02-13 00:56:00
Local clock offset: -5.304 ms
Remote clock offset: -4.915 ms

Below is generated by plot.py at 2018-02-13 04:33:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 14.259 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 14.259 ms
Loss rate: 0.06%

Run 10: Report of TCP BBR — Data Link

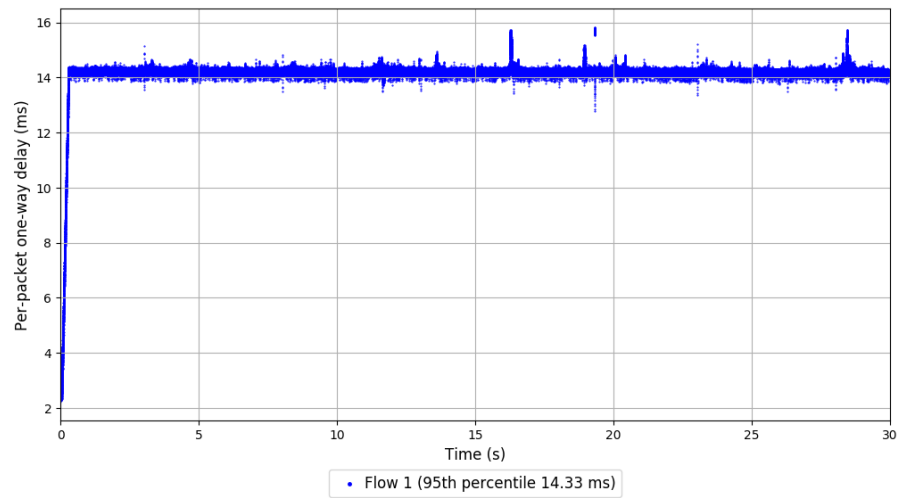
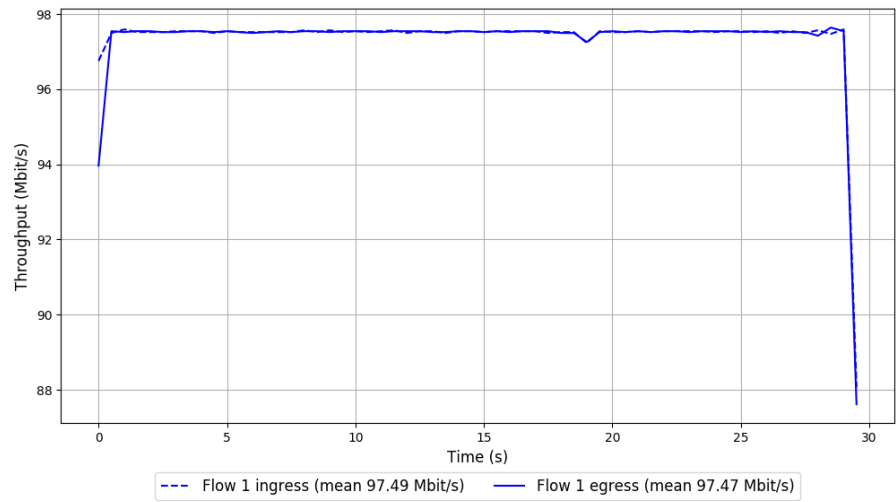


Run 1: Statistics of TCP Cubic

Start at: 2018-02-12 22:00:29
End at: 2018-02-12 22:00:59
Local clock offset: -4.469 ms
Remote clock offset: -4.658 ms

Below is generated by plot.py at 2018-02-13 04:33:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 14.334 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 14.334 ms
Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link

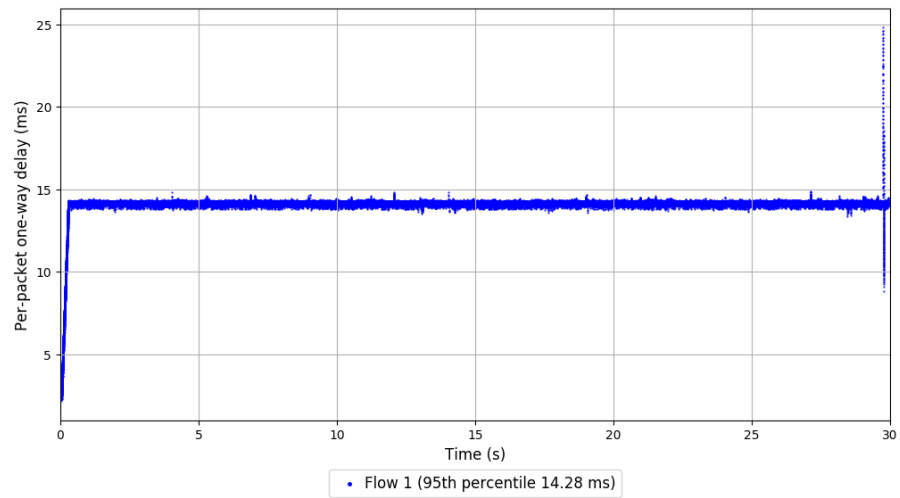
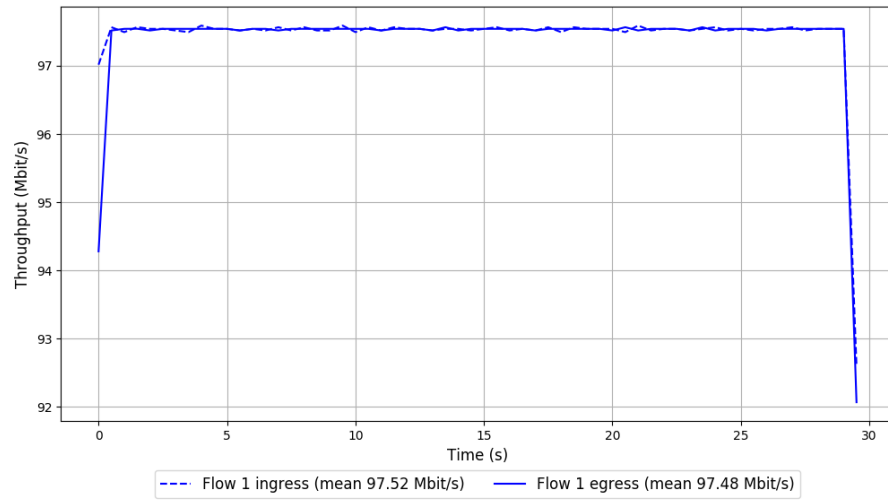


Run 2: Statistics of TCP Cubic

Start at: 2018-02-12 22:20:28
End at: 2018-02-12 22:20:58
Local clock offset: -4.026 ms
Remote clock offset: -4.785 ms

Below is generated by plot.py at 2018-02-13 04:33:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.279 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.279 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link

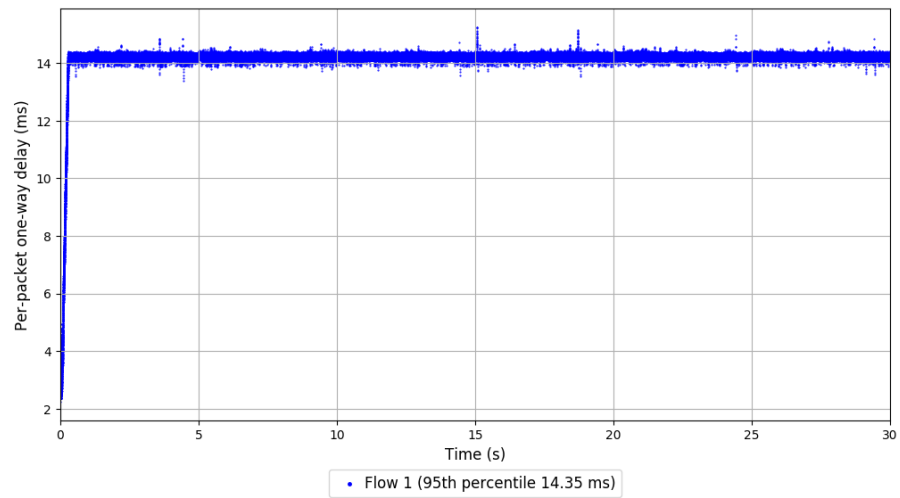
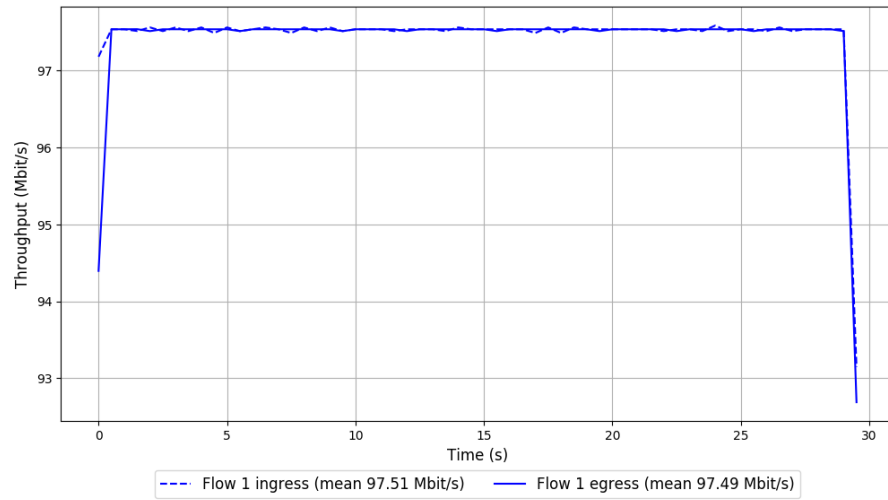


Run 3: Statistics of TCP Cubic

Start at: 2018-02-12 22:40:46
End at: 2018-02-12 22:41:16
Local clock offset: -3.947 ms
Remote clock offset: -4.562 ms

Below is generated by plot.py at 2018-02-13 04:33:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.352 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.352 ms
Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link

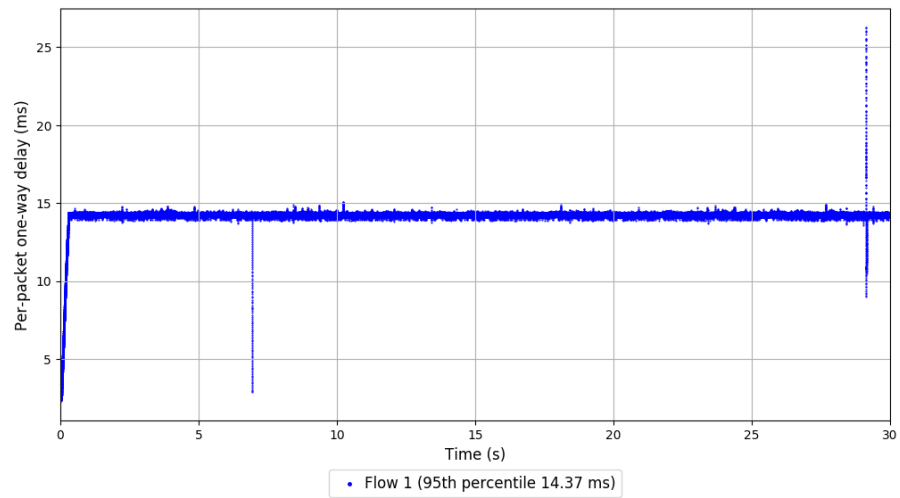
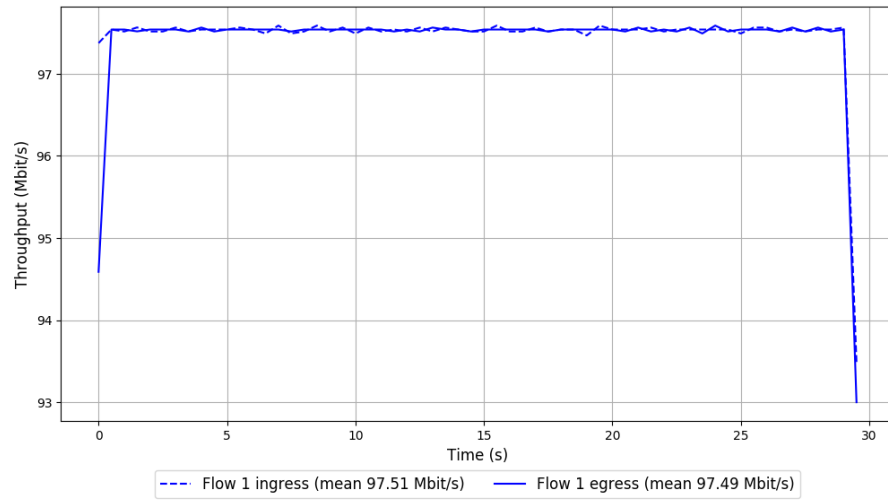


Run 4: Statistics of TCP Cubic

Start at: 2018-02-12 23:01:01
End at: 2018-02-12 23:01:31
Local clock offset: -3.99 ms
Remote clock offset: -4.623 ms

Below is generated by plot.py at 2018-02-13 04:33:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.369 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.369 ms
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

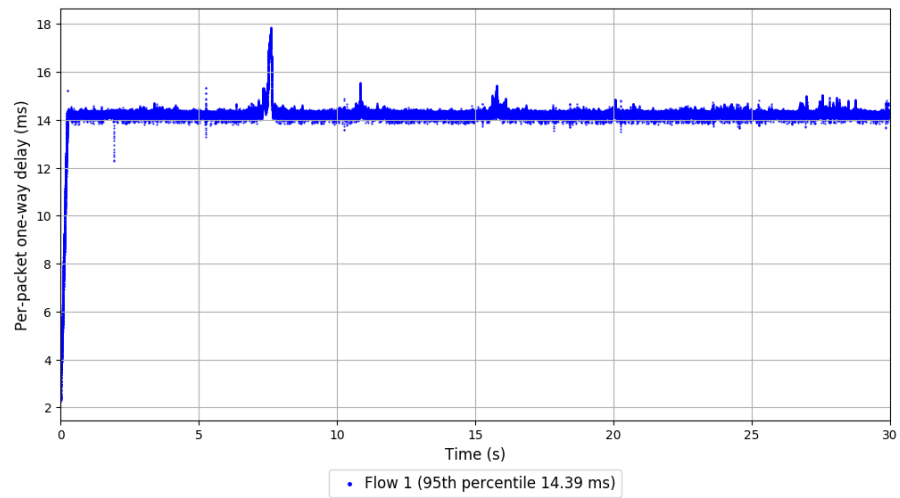
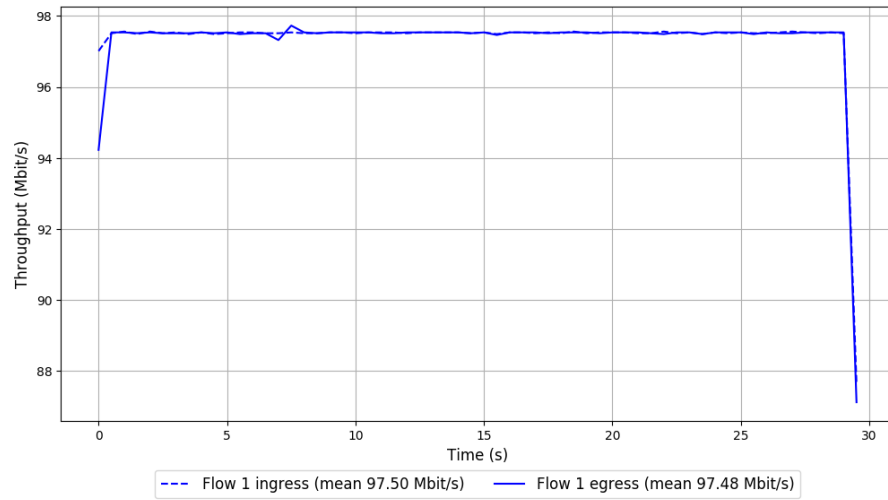


Run 5: Statistics of TCP Cubic

Start at: 2018-02-12 23:21:18
End at: 2018-02-12 23:21:48
Local clock offset: -3.952 ms
Remote clock offset: -4.458 ms

Below is generated by plot.py at 2018-02-13 04:33:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.393 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.393 ms
Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link

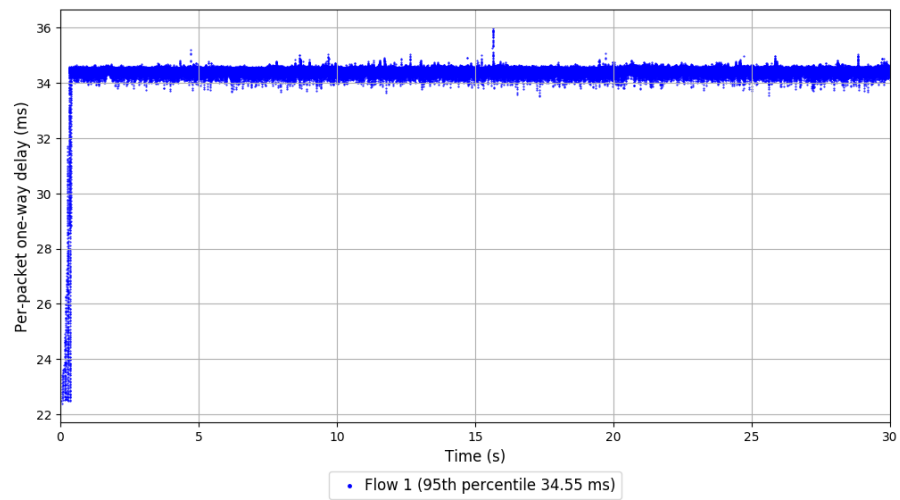
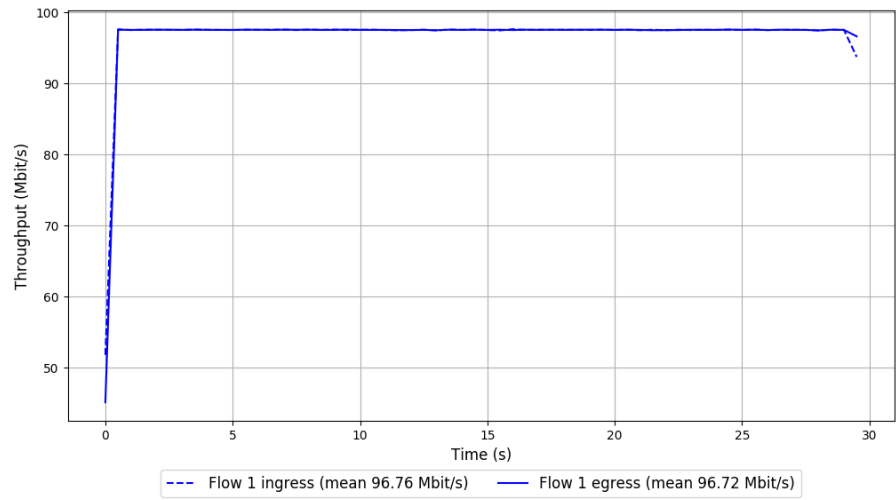


Run 6: Statistics of TCP Cubic

Start at: 2018-02-12 23:41:32
End at: 2018-02-12 23:42:02
Local clock offset: -4.186 ms
Remote clock offset: -25.119 ms

Below is generated by plot.py at 2018-02-13 04:33:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 34.545 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 34.545 ms
Loss rate: 0.07%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-13 00:01:39

End at: 2018-02-13 00:02:09

Local clock offset: -4.728 ms

Remote clock offset: -5.24 ms

Below is generated by plot.py at 2018-02-13 04:34:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 2.831 ms

Loss rate: 0.14%

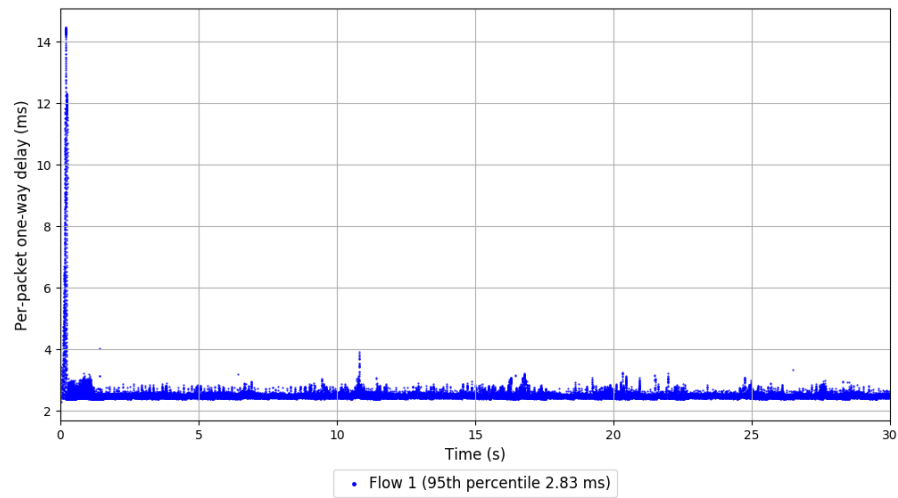
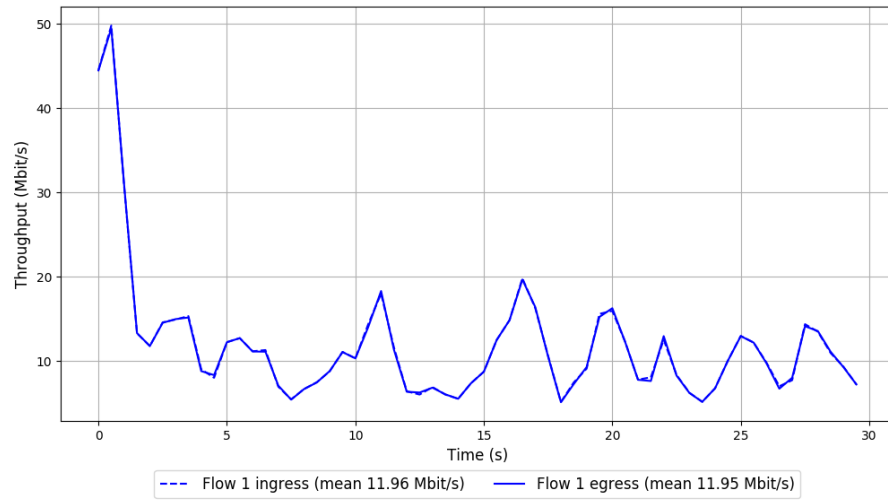
-- Flow 1:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 2.831 ms

Loss rate: 0.14%

Run 7: Report of TCP Cubic — Data Link

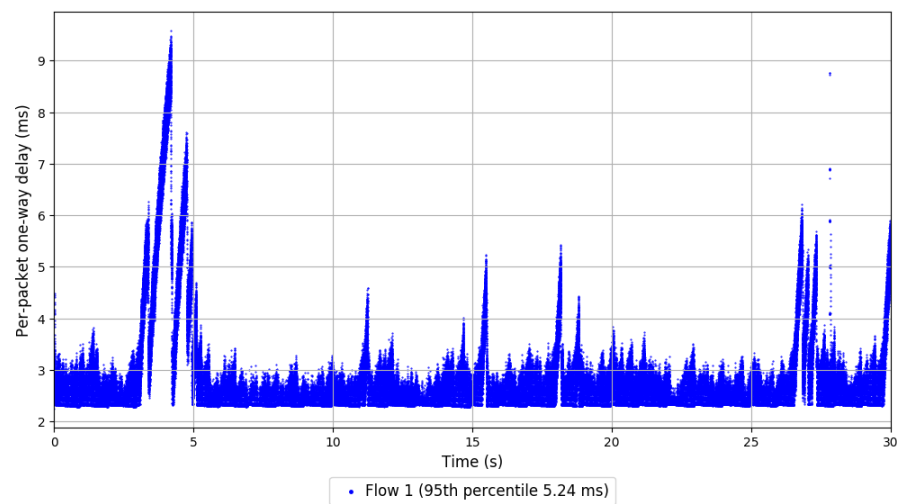
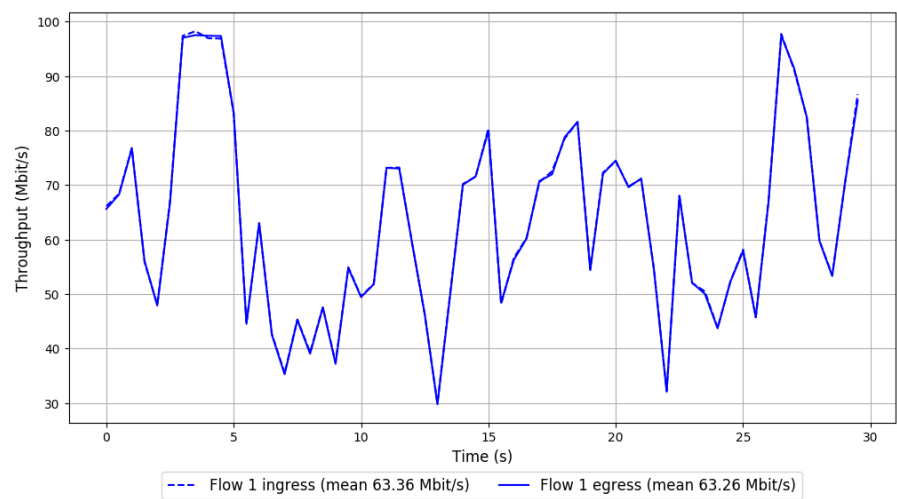


Run 8: Statistics of TCP Cubic

Start at: 2018-02-13 00:21:52
End at: 2018-02-13 00:22:22
Local clock offset: -5.119 ms
Remote clock offset: -4.927 ms

Below is generated by plot.py at 2018-02-13 04:34:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.26 Mbit/s
95th percentile per-packet one-way delay: 5.235 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 63.26 Mbit/s
95th percentile per-packet one-way delay: 5.235 ms
Loss rate: 0.18%

Run 8: Report of TCP Cubic — Data Link

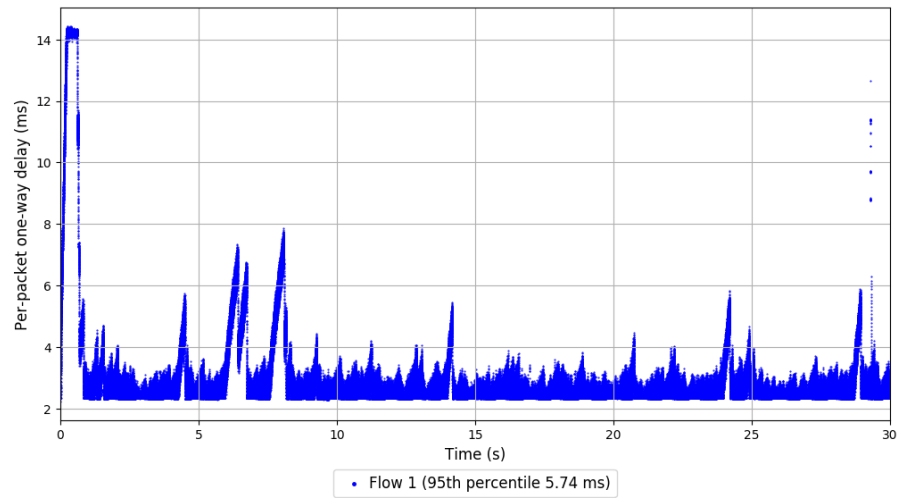
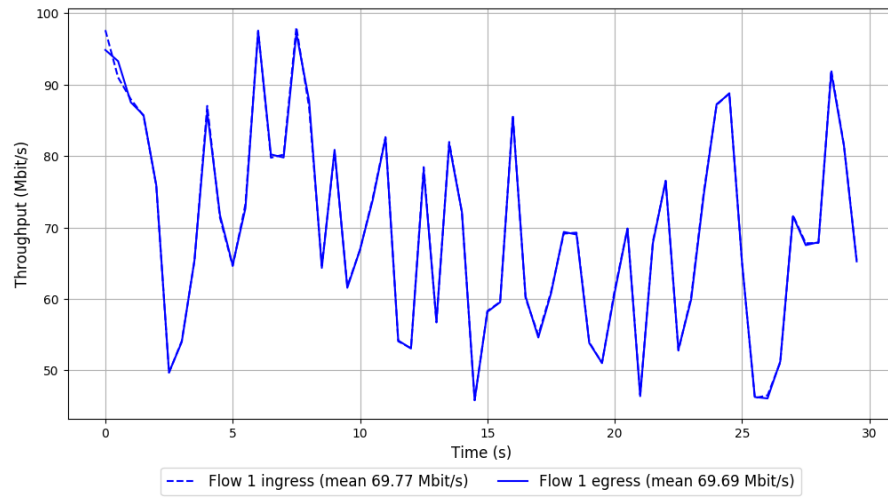


Run 9: Statistics of TCP Cubic

Start at: 2018-02-13 00:41:59
End at: 2018-02-13 00:42:29
Local clock offset: -5.468 ms
Remote clock offset: -4.975 ms

Below is generated by plot.py at 2018-02-13 04:34:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.69 Mbit/s
95th percentile per-packet one-way delay: 5.738 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 69.69 Mbit/s
95th percentile per-packet one-way delay: 5.738 ms
Loss rate: 0.14%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

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

End at: 2018-02-13 01:02:44

Local clock offset: -5.24 ms

Remote clock offset: -4.908 ms

Below is generated by plot.py at 2018-02-13 04:35:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.265 ms

Loss rate: 0.06%

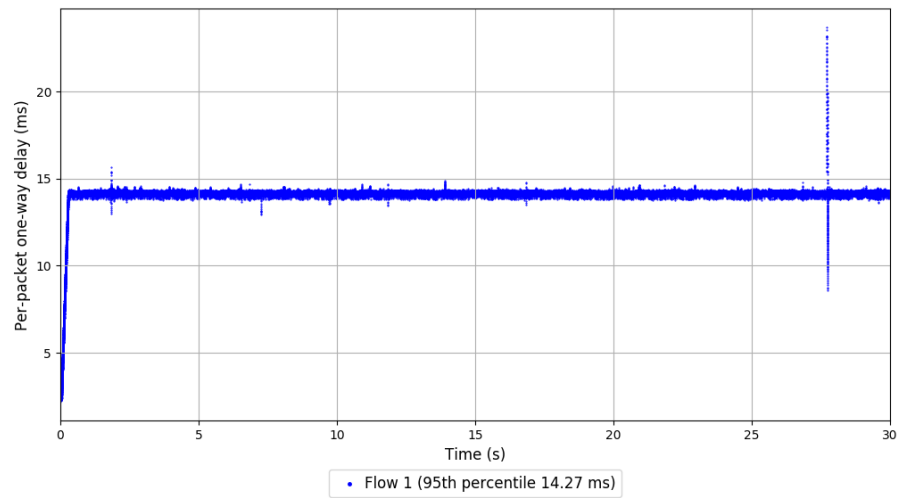
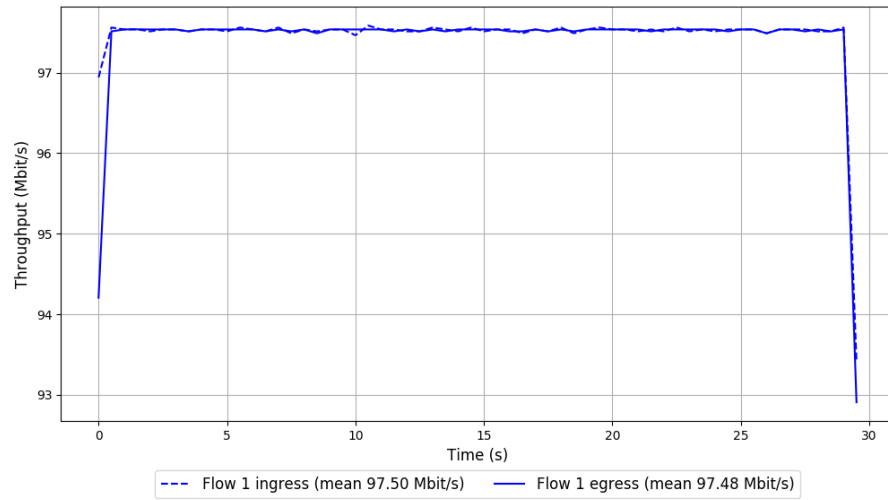
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.265 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

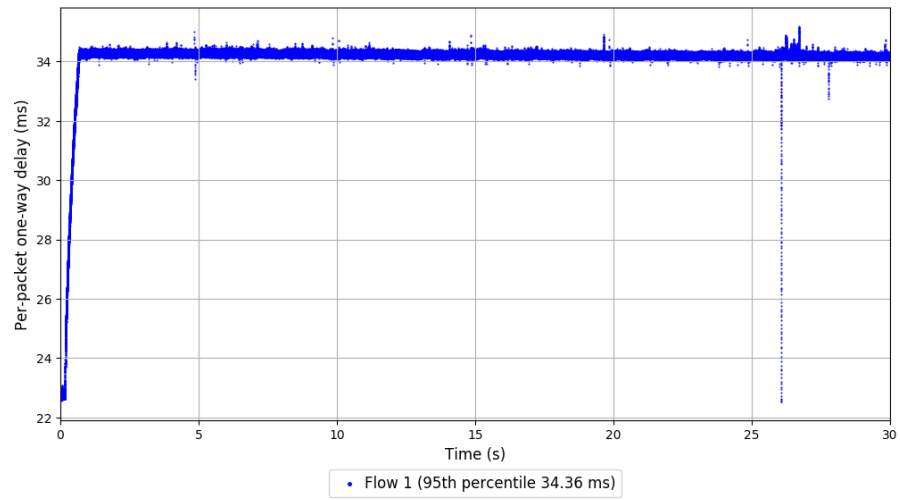
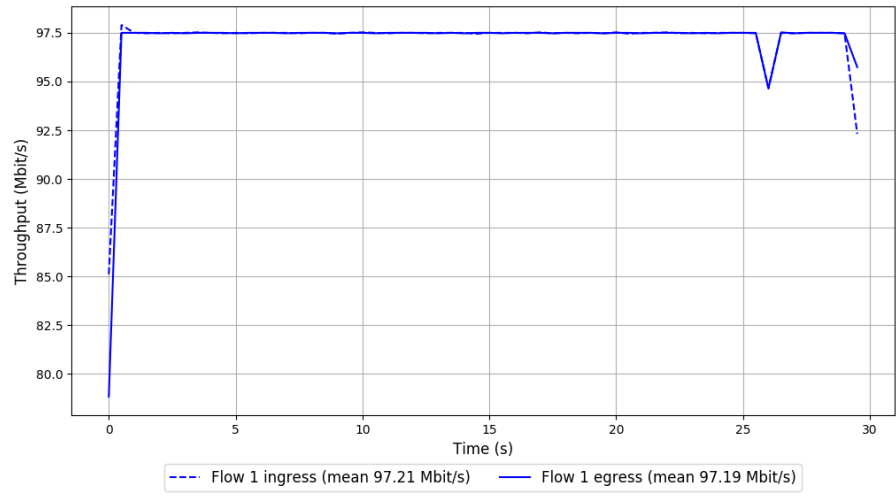


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-12 21:46:55
End at: 2018-02-12 21:47:25
Local clock offset: -4.811 ms
Remote clock offset: -23.33 ms

# Below is generated by plot.py at 2018-02-13 04:35:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 34.360 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 34.360 ms
Loss rate: 0.06%
```

Run 1: Report of LEDBAT — Data Link

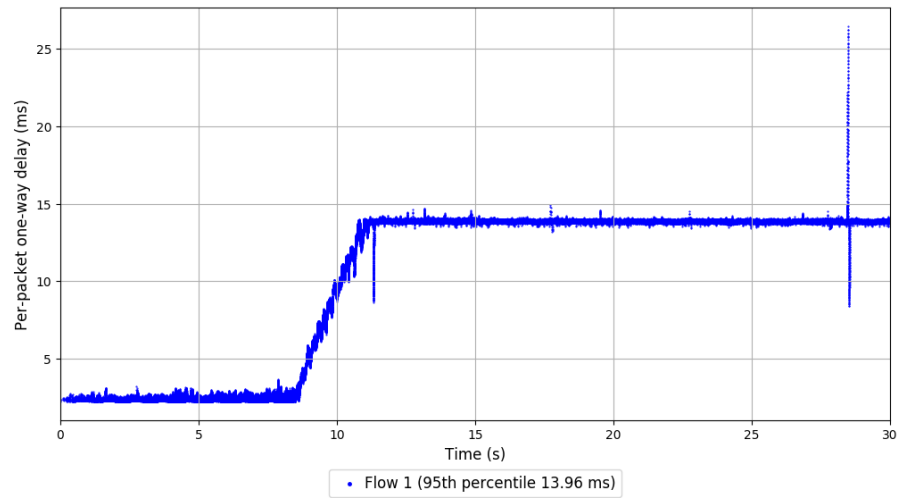
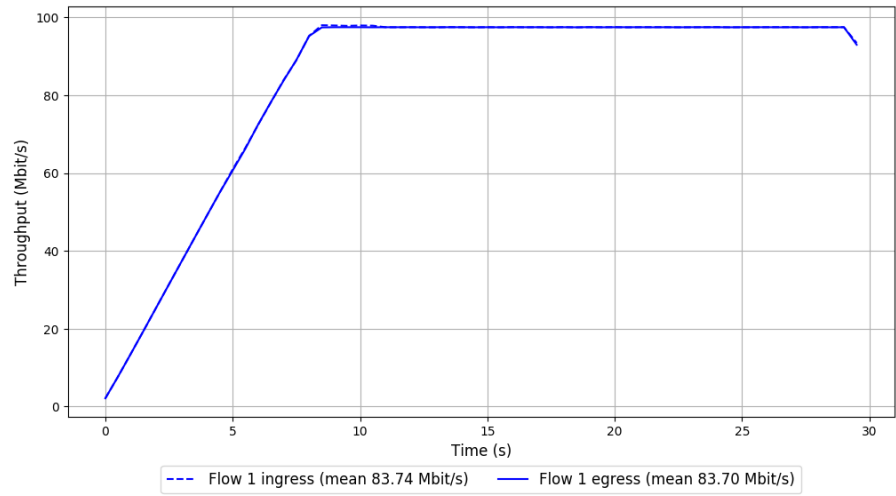


Run 2: Statistics of LEDBAT

Start at: 2018-02-12 22:07:05
End at: 2018-02-12 22:07:35
Local clock offset: -4.302 ms
Remote clock offset: -4.822 ms

Below is generated by plot.py at 2018-02-13 04:35:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.70 Mbit/s
95th percentile per-packet one-way delay: 13.963 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 83.70 Mbit/s
95th percentile per-packet one-way delay: 13.963 ms
Loss rate: 0.06%

Run 2: Report of LEDBAT — Data Link

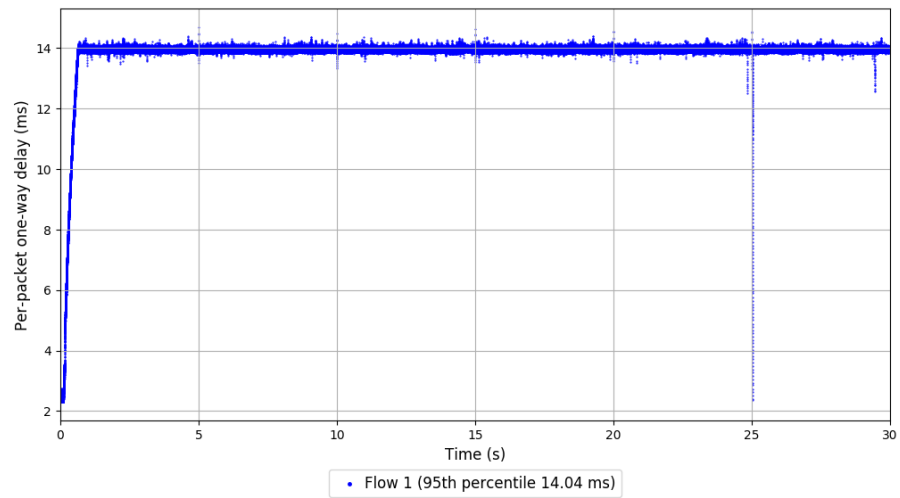
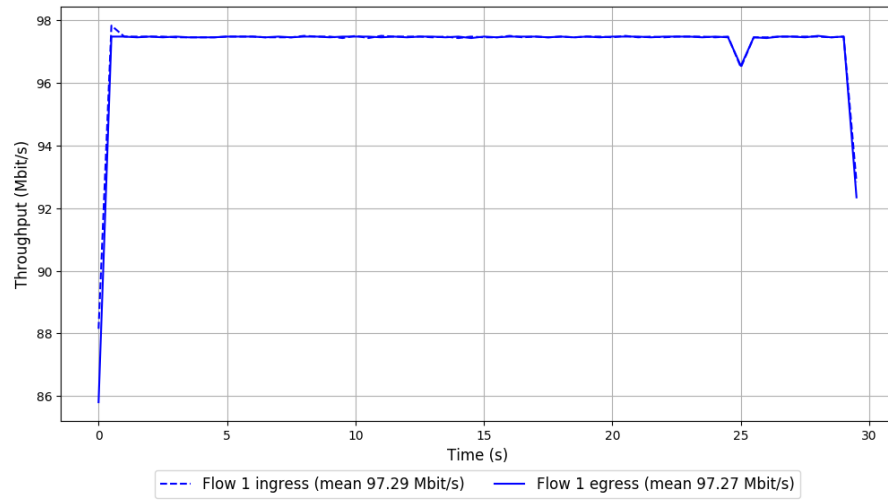


Run 3: Statistics of LEDBAT

Start at: 2018-02-12 22:27:11
End at: 2018-02-12 22:27:41
Local clock offset: -3.878 ms
Remote clock offset: -4.723 ms

Below is generated by plot.py at 2018-02-13 04:35:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 14.043 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 14.043 ms
Loss rate: 0.06%

Run 3: Report of LEDBAT — Data Link

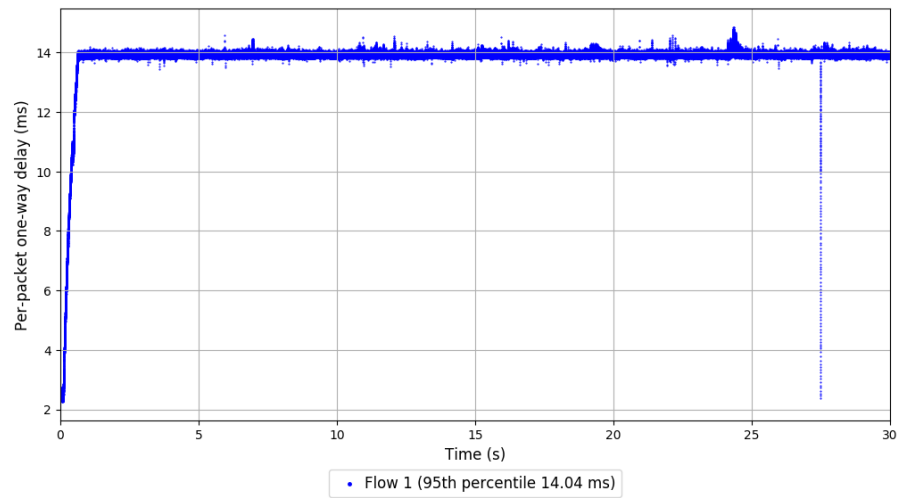
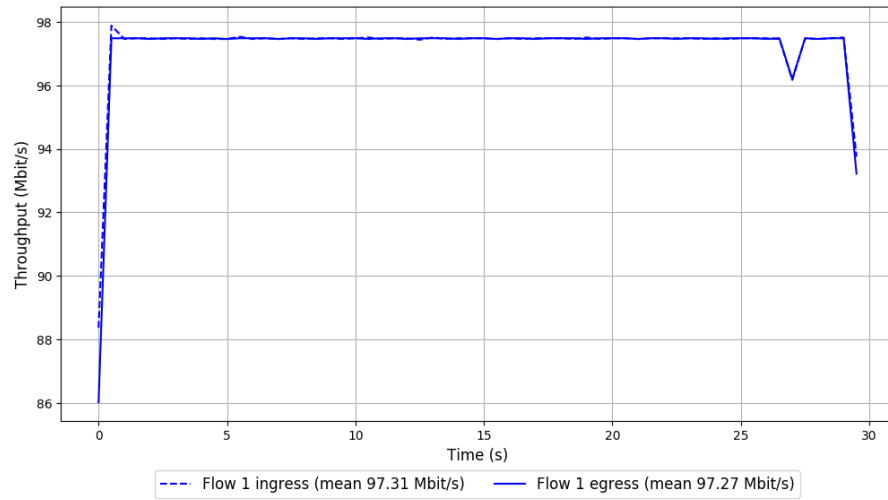


Run 4: Statistics of LEDBAT

Start at: 2018-02-12 22:47:29
End at: 2018-02-12 22:47:59
Local clock offset: -4.002 ms
Remote clock offset: -4.508 ms

Below is generated by plot.py at 2018-02-13 04:35:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 14.037 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 14.037 ms
Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link

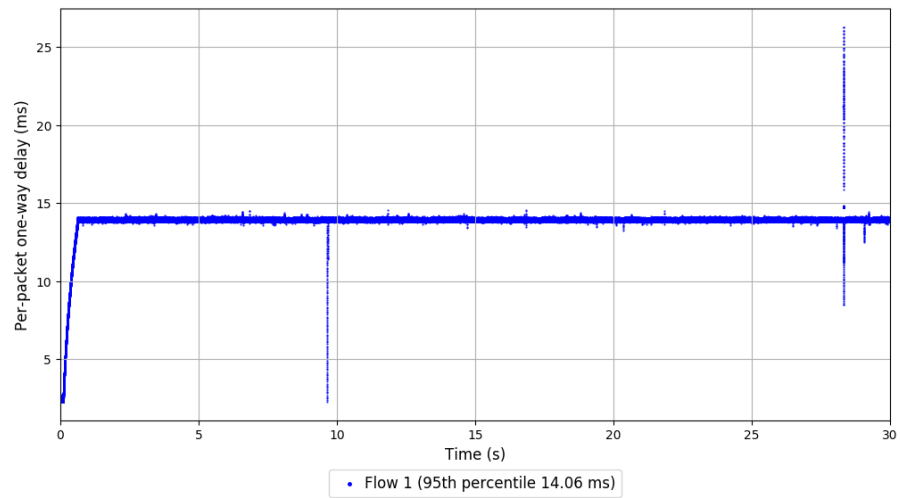
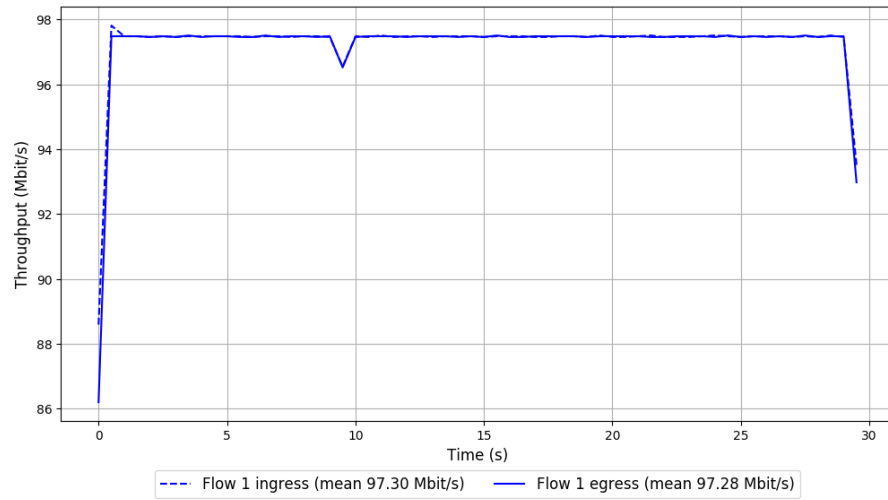


Run 5: Statistics of LEDBAT

Start at: 2018-02-12 23:07:46
End at: 2018-02-12 23:08:16
Local clock offset: -3.933 ms
Remote clock offset: -4.525 ms

Below is generated by plot.py at 2018-02-13 04:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.060 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.060 ms
Loss rate: 0.06%

Run 5: Report of LEDBAT — Data Link

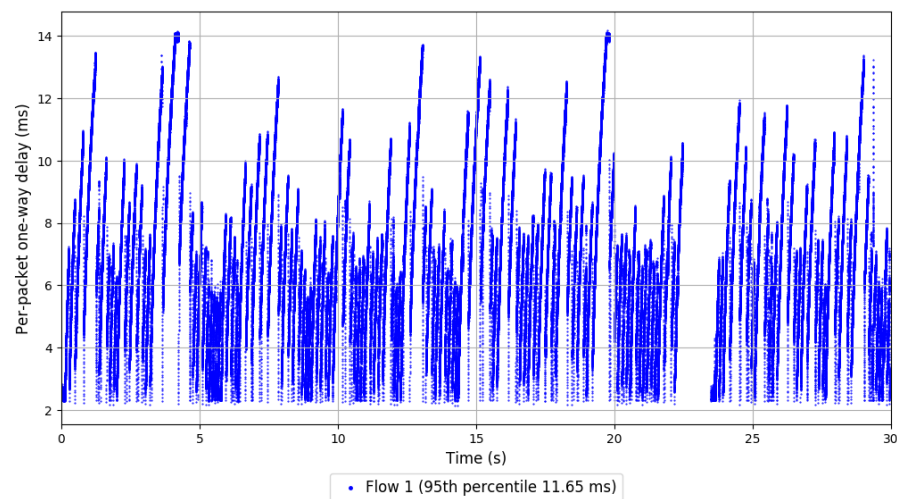
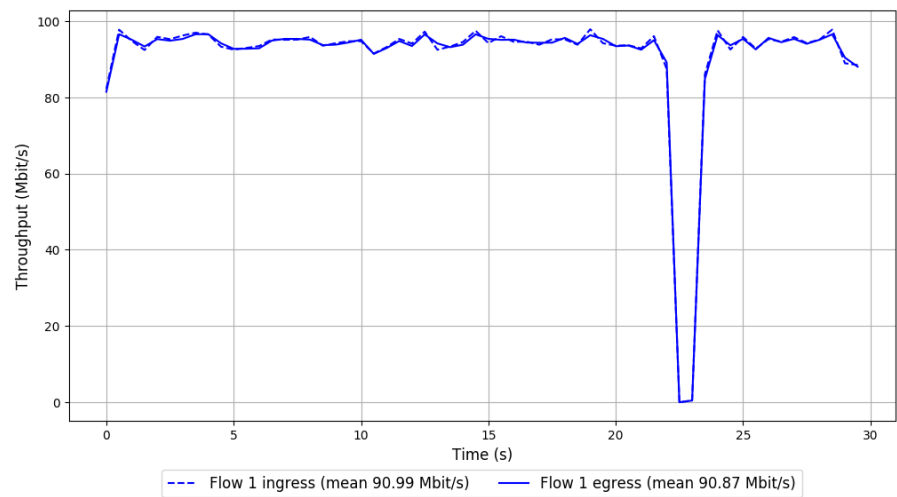


Run 6: Statistics of LEDBAT

Start at: 2018-02-12 23:28:04
End at: 2018-02-12 23:28:34
Local clock offset: -3.933 ms
Remote clock offset: -4.413 ms

Below is generated by plot.py at 2018-02-13 04:36:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 11.646 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 11.646 ms
Loss rate: 0.15%

Run 6: Report of LEDBAT — Data Link

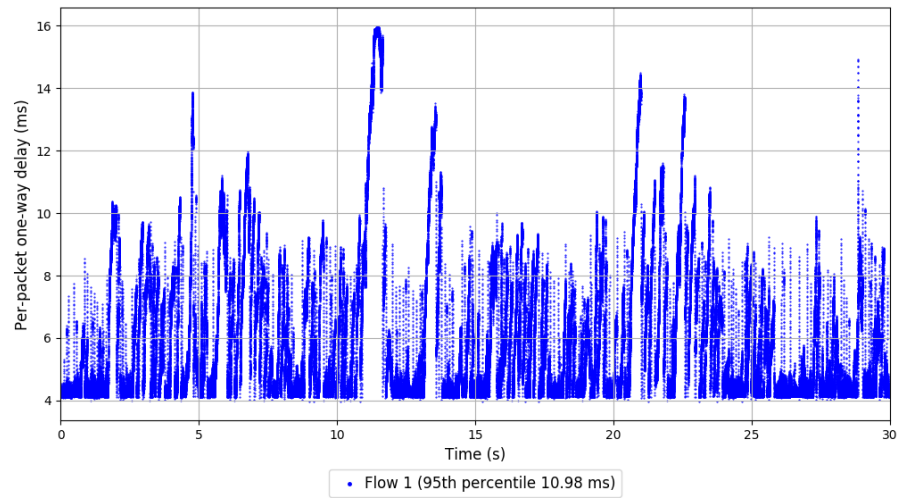
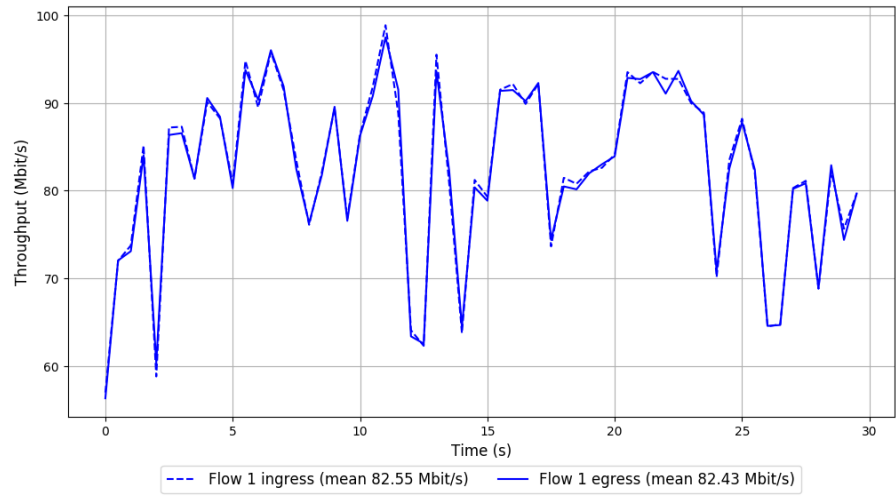


Run 7: Statistics of LEDBAT

Start at: 2018-02-12 23:48:18
End at: 2018-02-12 23:48:48
Local clock offset: -2.699 ms
Remote clock offset: -5.072 ms

Below is generated by plot.py at 2018-02-13 04:36:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.43 Mbit/s
95th percentile per-packet one-way delay: 10.984 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 82.43 Mbit/s
95th percentile per-packet one-way delay: 10.984 ms
Loss rate: 0.16%

Run 7: Report of LEDBAT — Data Link

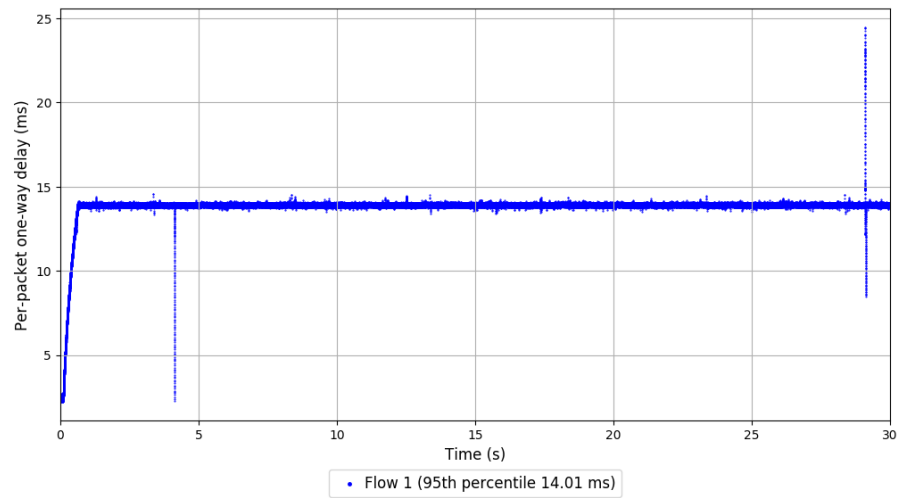
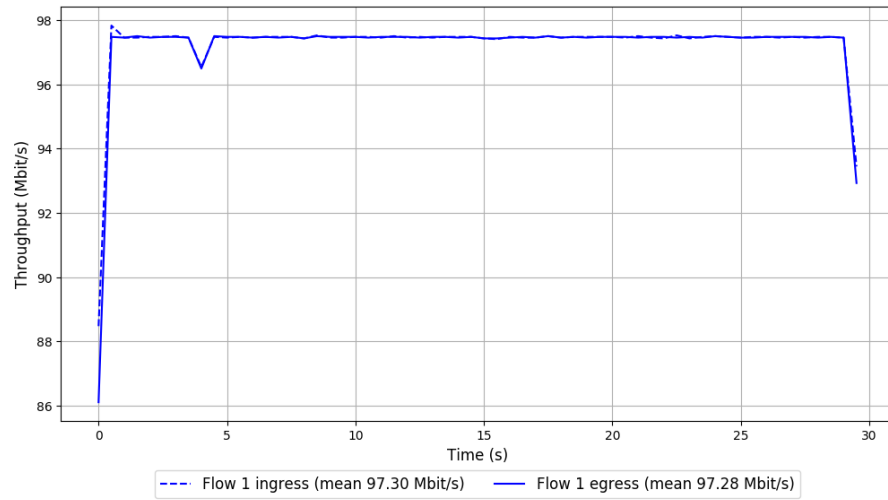


Run 8: Statistics of LEDBAT

Start at: 2018-02-13 00:08:21
End at: 2018-02-13 00:08:52
Local clock offset: -4.85 ms
Remote clock offset: -5.056 ms

Below is generated by plot.py at 2018-02-13 04:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.013 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.013 ms
Loss rate: 0.06%

Run 8: Report of LEDBAT — Data Link

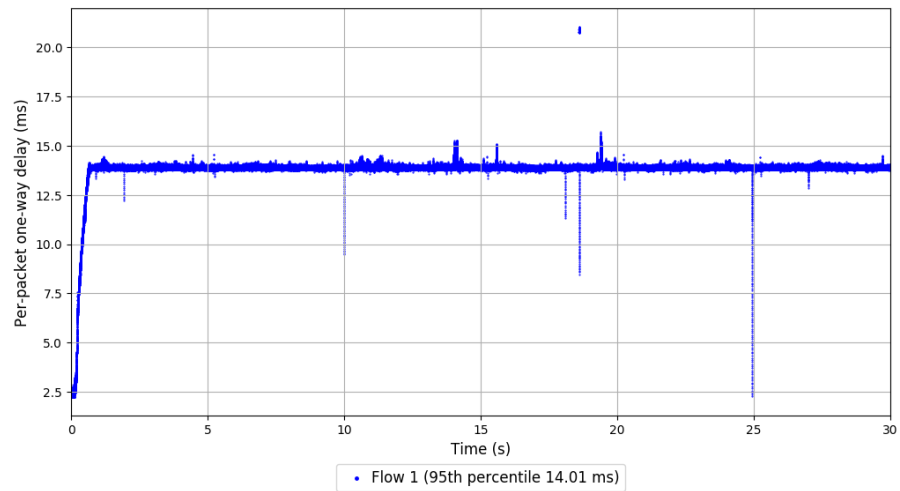
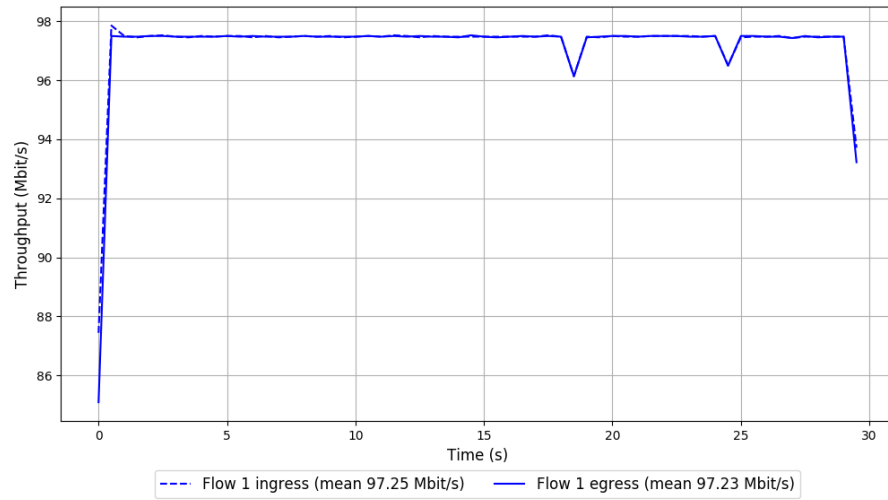


Run 9: Statistics of LEDBAT

Start at: 2018-02-13 00:28:28
End at: 2018-02-13 00:28:58
Local clock offset: -5.287 ms
Remote clock offset: -4.908 ms

Below is generated by plot.py at 2018-02-13 04:36:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 14.012 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 14.012 ms
Loss rate: 0.05%

Run 9: Report of LEDBAT — Data Link

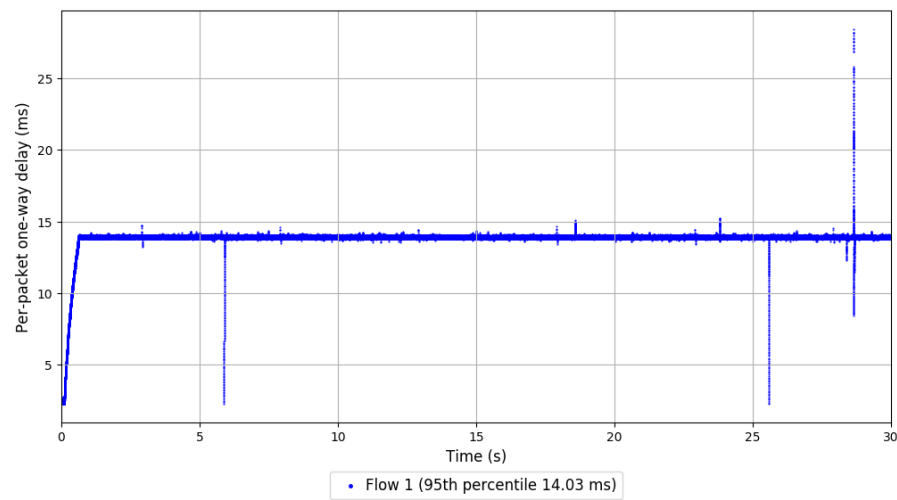
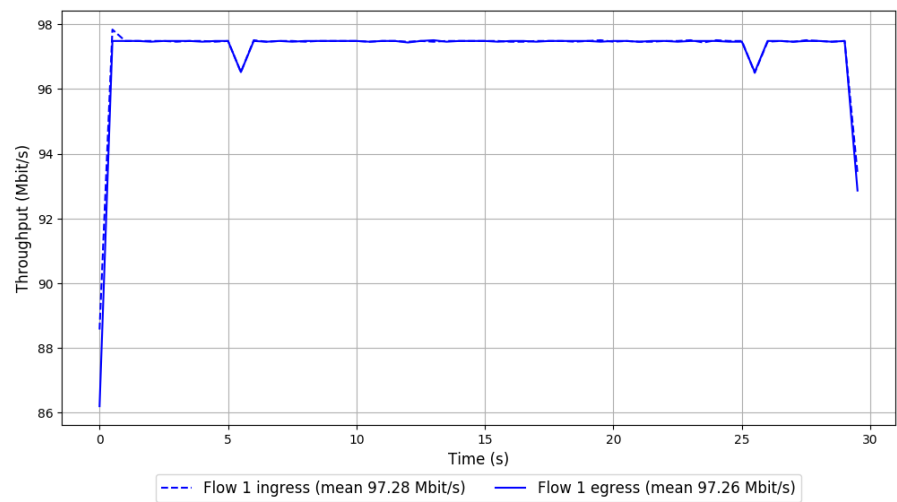


Run 10: Statistics of LEDBAT

Start at: 2018-02-13 00:48:44
End at: 2018-02-13 00:49:14
Local clock offset: -5.38 ms
Remote clock offset: -4.925 ms

Below is generated by plot.py at 2018-02-13 04:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 14.025 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 14.025 ms
Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link

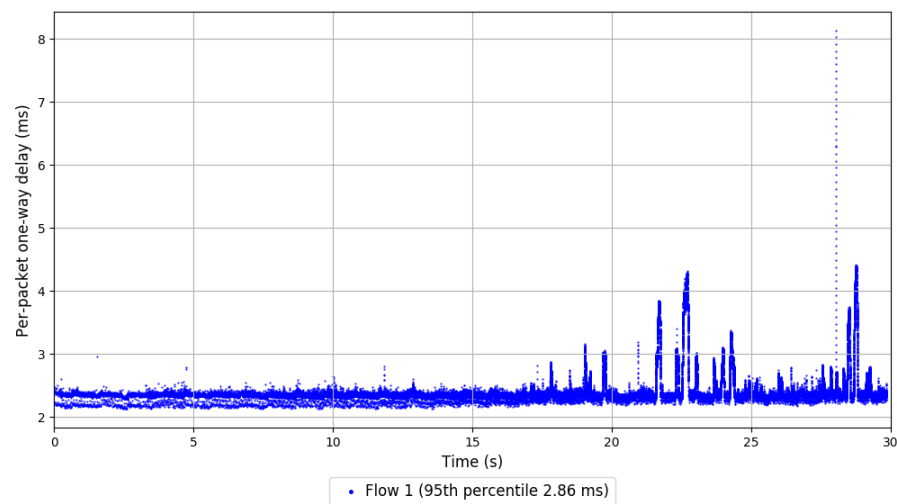
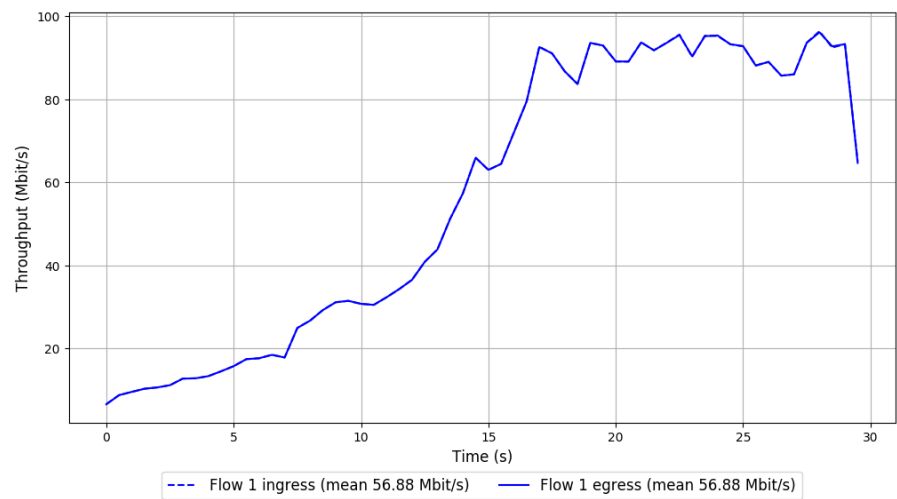


Run 1: Statistics of PCC

Start at: 2018-02-12 21:44:44
End at: 2018-02-12 21:45:14
Local clock offset: -4.86 ms
Remote clock offset: -3.135 ms

Below is generated by plot.py at 2018-02-13 04:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 2.857 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 2.857 ms
Loss rate: 0.03%

Run 1: Report of PCC — Data Link

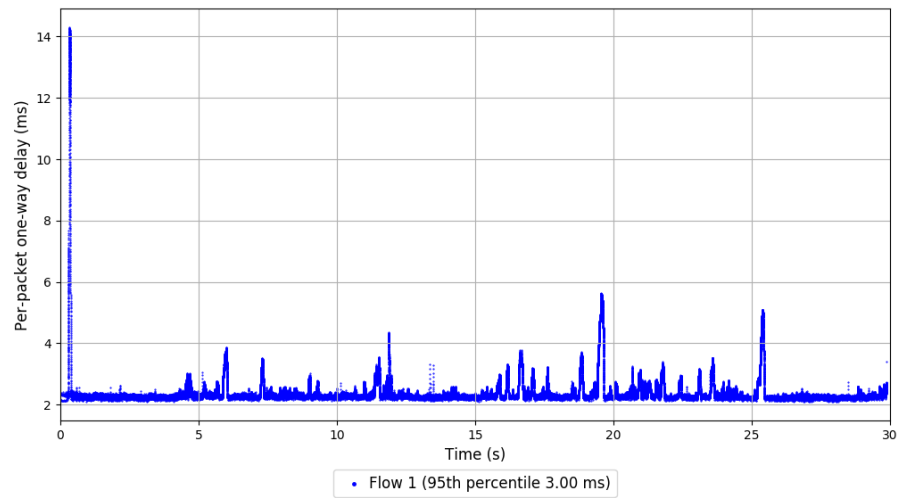
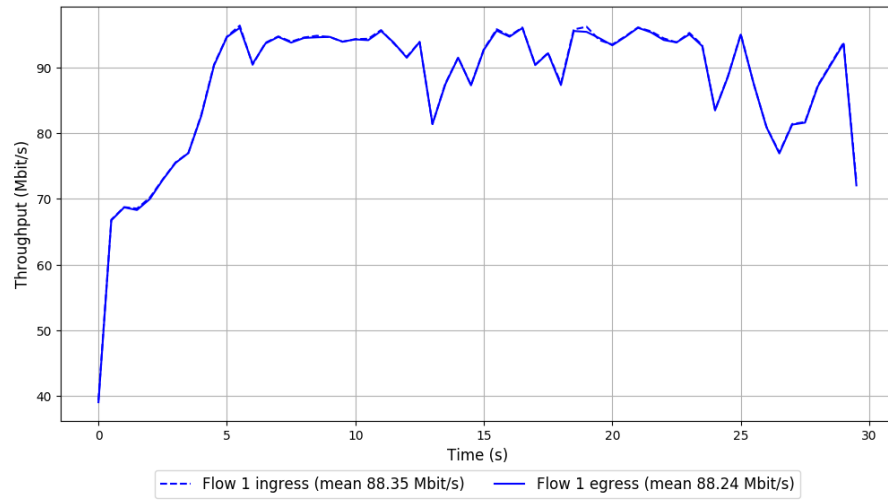


Run 2: Statistics of PCC

Start at: 2018-02-12 22:04:55
End at: 2018-02-12 22:05:25
Local clock offset: -4.319 ms
Remote clock offset: -4.778 ms

Below is generated by plot.py at 2018-02-13 04:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 3.001 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 3.001 ms
Loss rate: 0.13%

Run 2: Report of PCC — Data Link

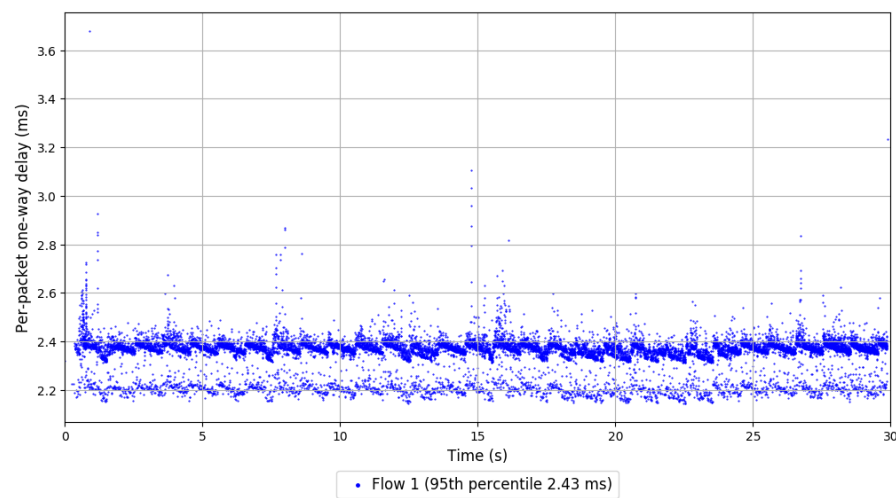
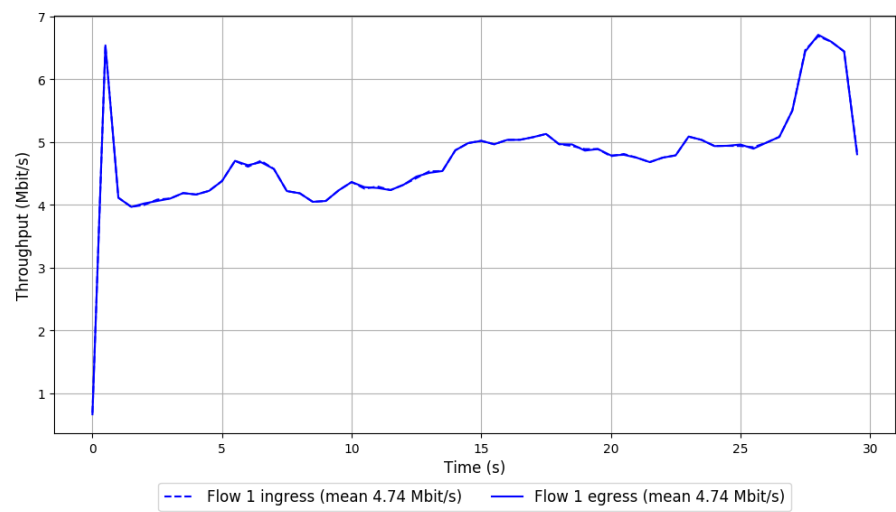


Run 3: Statistics of PCC

Start at: 2018-02-12 22:25:02
End at: 2018-02-12 22:25:32
Local clock offset: -3.895 ms
Remote clock offset: -4.759 ms

Below is generated by plot.py at 2018-02-13 04:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.02%

Run 3: Report of PCC — Data Link

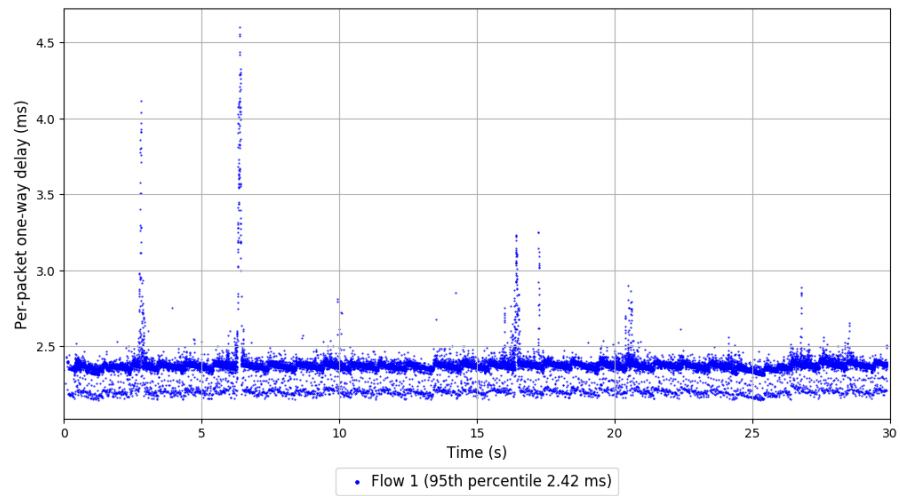
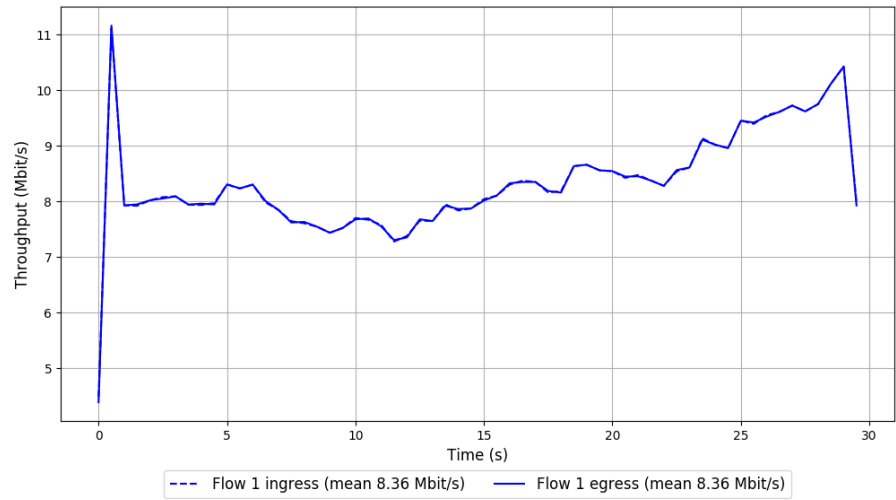


Run 4: Statistics of PCC

Start at: 2018-02-12 22:45:20
End at: 2018-02-12 22:45:50
Local clock offset: -3.964 ms
Remote clock offset: -4.527 ms

Below is generated by plot.py at 2018-02-13 04:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 2.423 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 2.423 ms
Loss rate: 0.02%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-12 23:05:34

End at: 2018-02-12 23:06:04

Local clock offset: -3.901 ms

Remote clock offset: -4.59 ms

Below is generated by plot.py at 2018-02-13 04:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.48 Mbit/s

95th percentile per-packet one-way delay: 13.040 ms

Loss rate: 0.02%

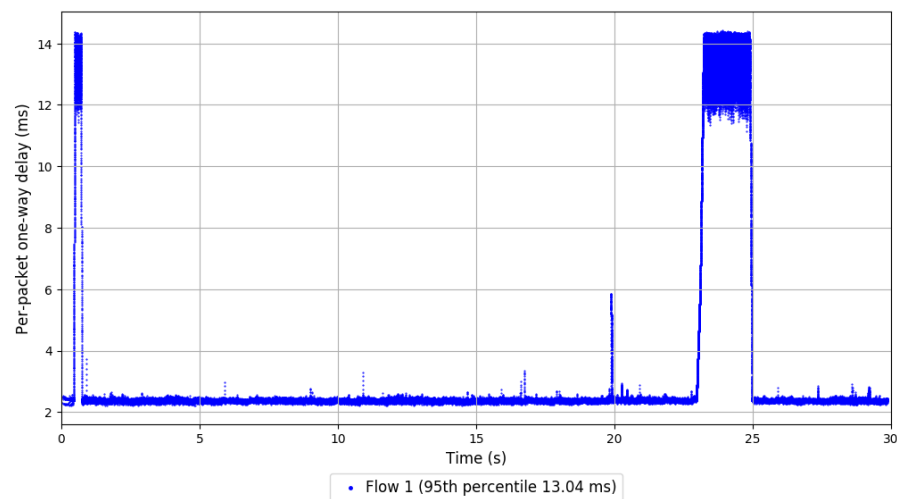
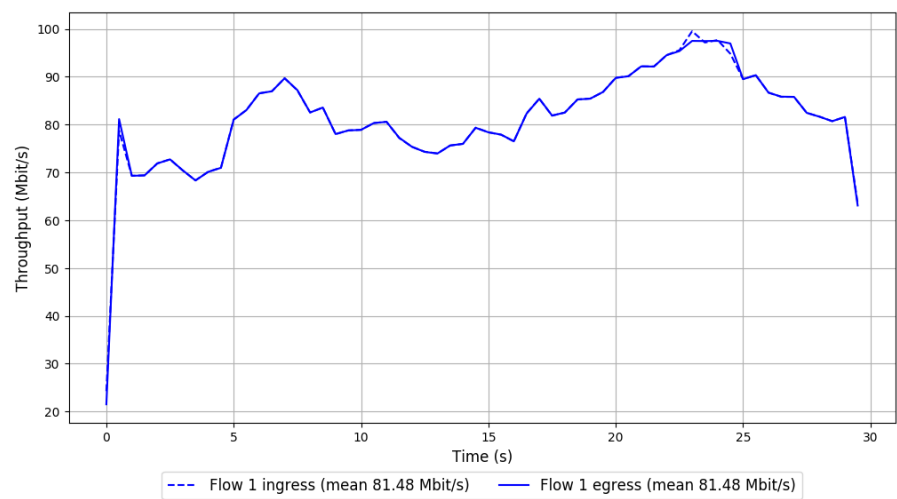
-- Flow 1:

Average throughput: 81.48 Mbit/s

95th percentile per-packet one-way delay: 13.040 ms

Loss rate: 0.02%

Run 5: Report of PCC — Data Link

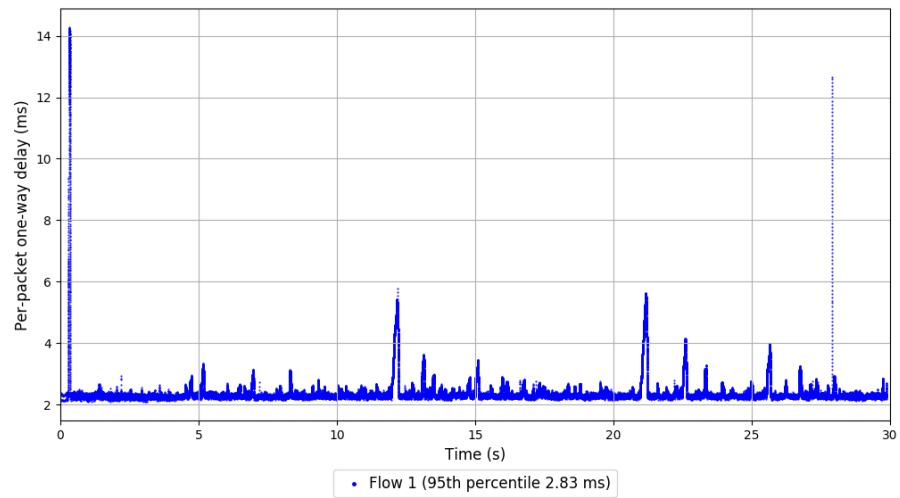
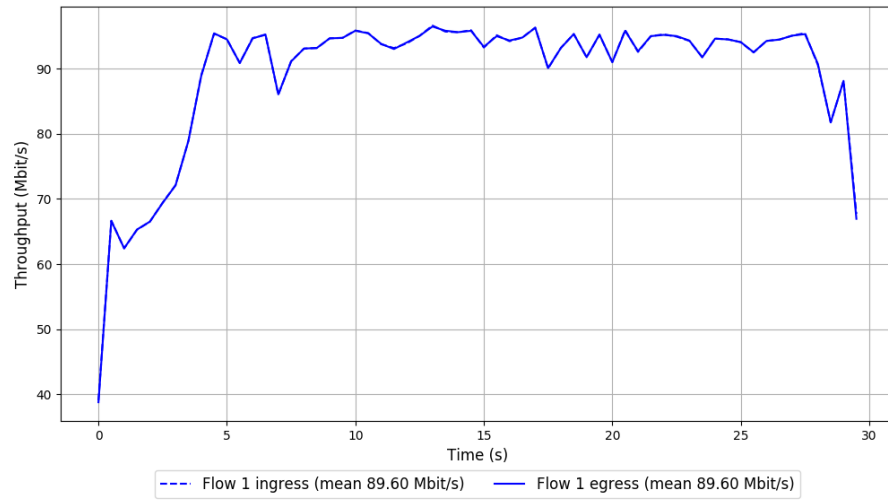


Run 6: Statistics of PCC

Start at: 2018-02-12 23:25:52
End at: 2018-02-12 23:26:22
Local clock offset: -3.984 ms
Remote clock offset: -4.434 ms

Below is generated by plot.py at 2018-02-13 04:37:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 2.825 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 2.825 ms
Loss rate: 0.02%

Run 6: Report of PCC — Data Link

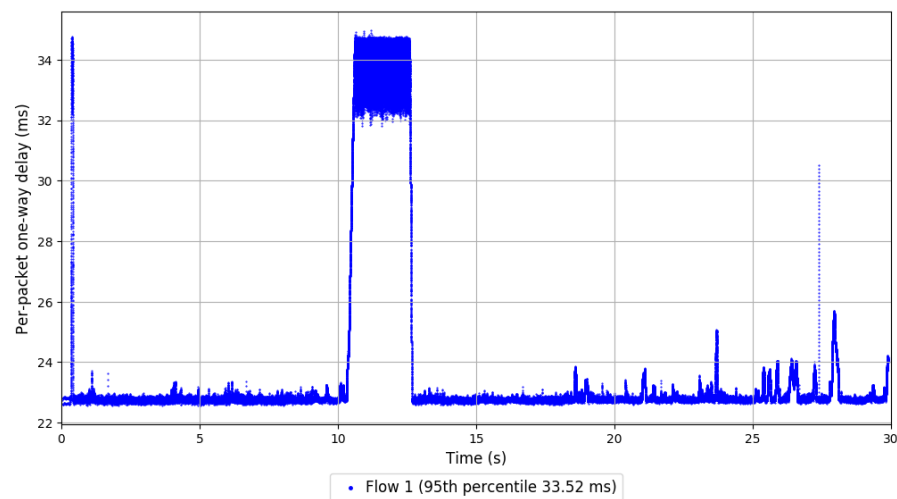
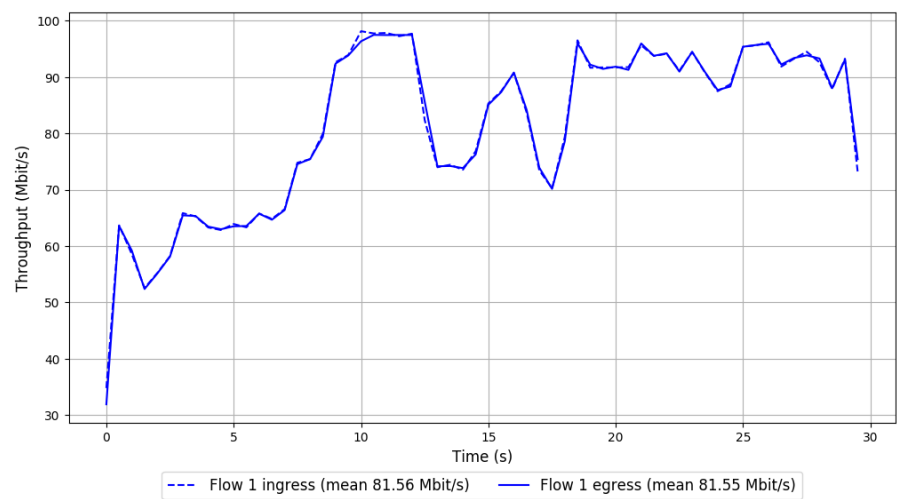


Run 7: Statistics of PCC

Start at: 2018-02-12 23:46:06
End at: 2018-02-12 23:46:36
Local clock offset: -4.395 ms
Remote clock offset: -25.436 ms

Below is generated by plot.py at 2018-02-13 04:37:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.55 Mbit/s
95th percentile per-packet one-way delay: 33.516 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 81.55 Mbit/s
95th percentile per-packet one-way delay: 33.516 ms
Loss rate: 0.04%

Run 7: Report of PCC — Data Link

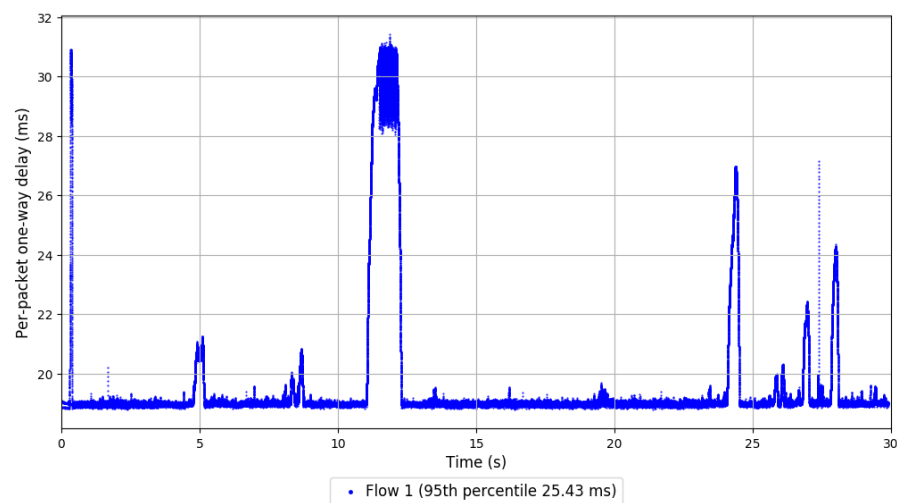
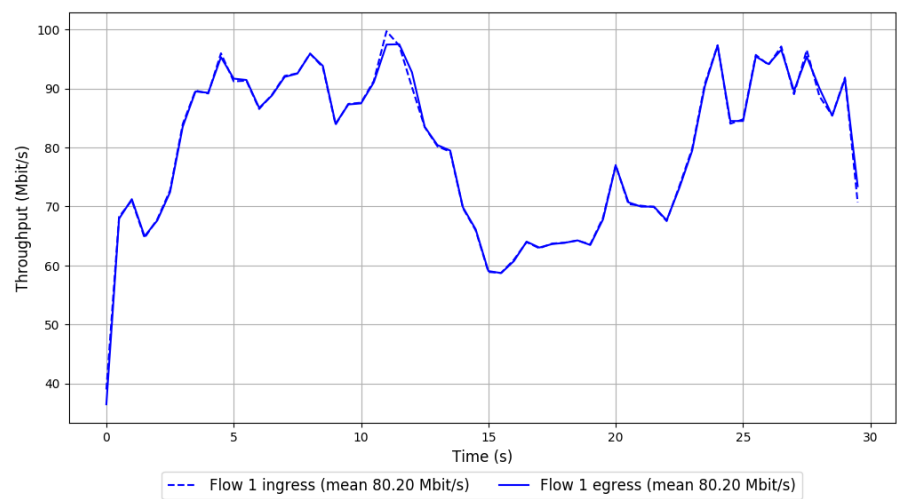


Run 8: Statistics of PCC

Start at: 2018-02-13 00:06:10
End at: 2018-02-13 00:06:40
Local clock offset: -4.784 ms
Remote clock offset: -21.782 ms

Below is generated by plot.py at 2018-02-13 04:37:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 25.434 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 25.434 ms
Loss rate: 0.02%

Run 8: Report of PCC — Data Link

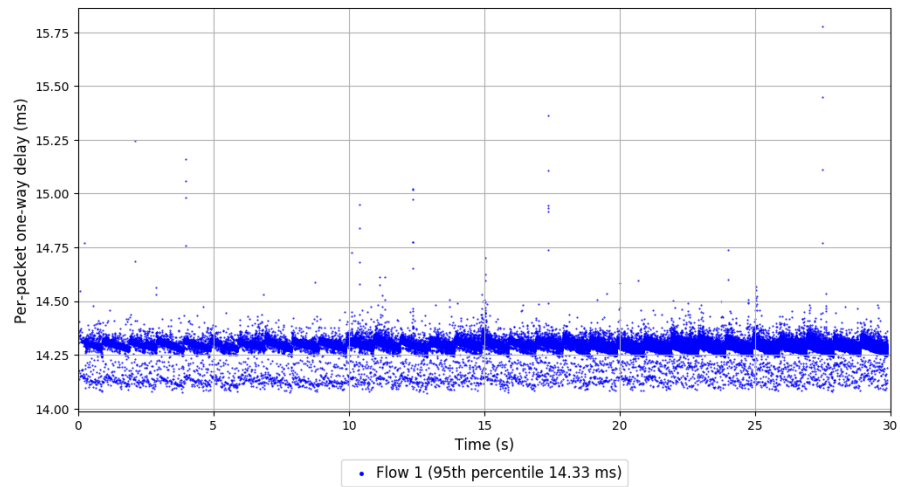
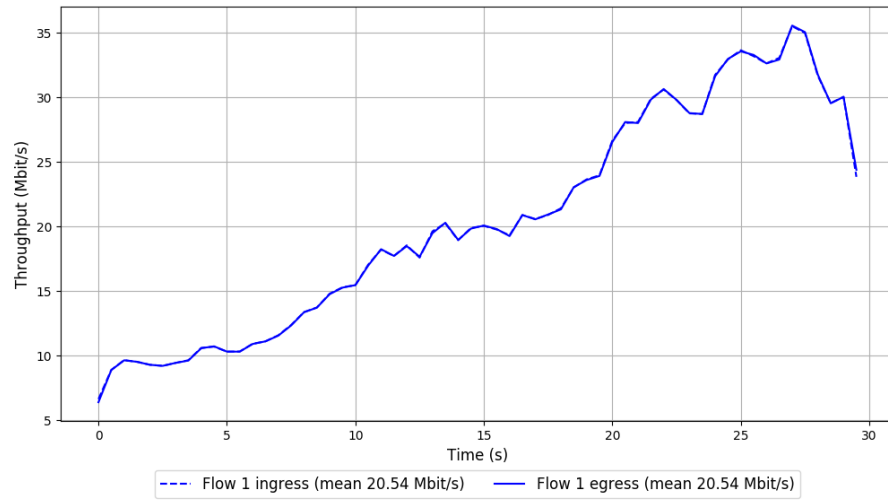


Run 9: Statistics of PCC

Start at: 2018-02-13 00:26:19
End at: 2018-02-13 00:26:49
Local clock offset: -5.257 ms
Remote clock offset: -16.927 ms

Below is generated by plot.py at 2018-02-13 04:37:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 14.333 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 14.333 ms
Loss rate: 0.03%

Run 9: Report of PCC — Data Link

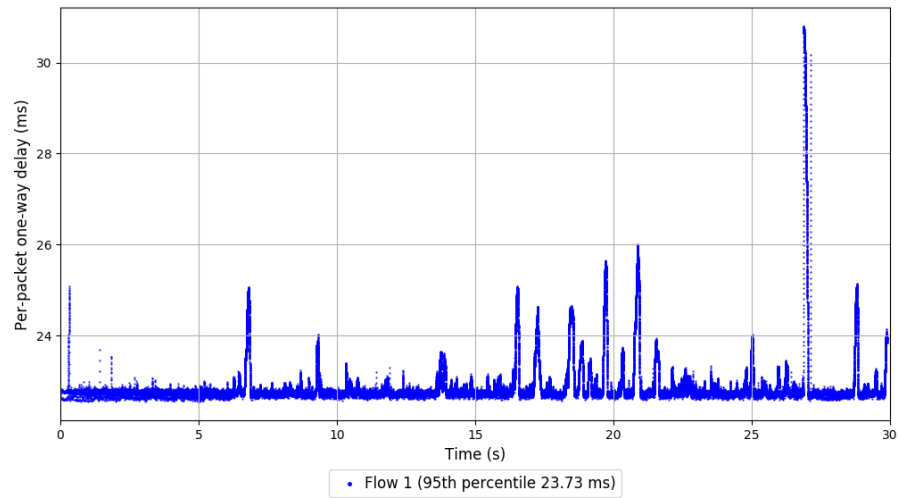
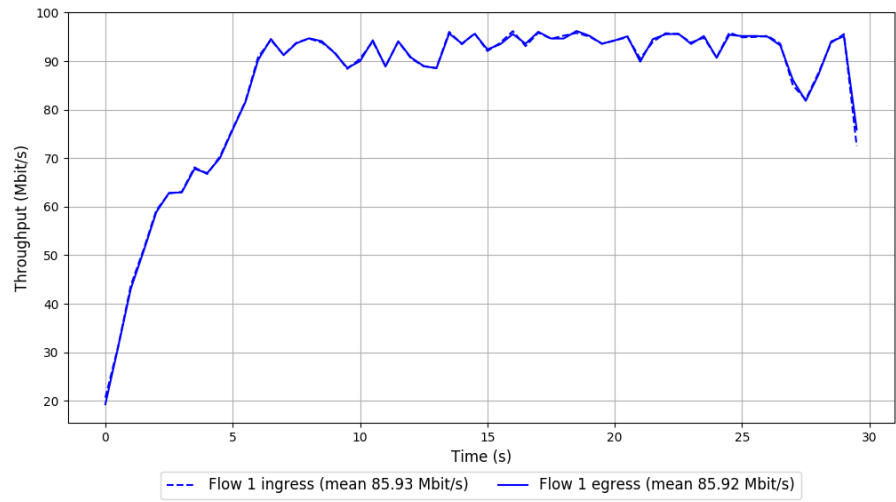


Run 10: Statistics of PCC

Start at: 2018-02-13 00:46:33
End at: 2018-02-13 00:47:03
Local clock offset: -5.448 ms
Remote clock offset: -25.354 ms

Below is generated by plot.py at 2018-02-13 04:37:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 23.728 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 23.728 ms
Loss rate: 0.02%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

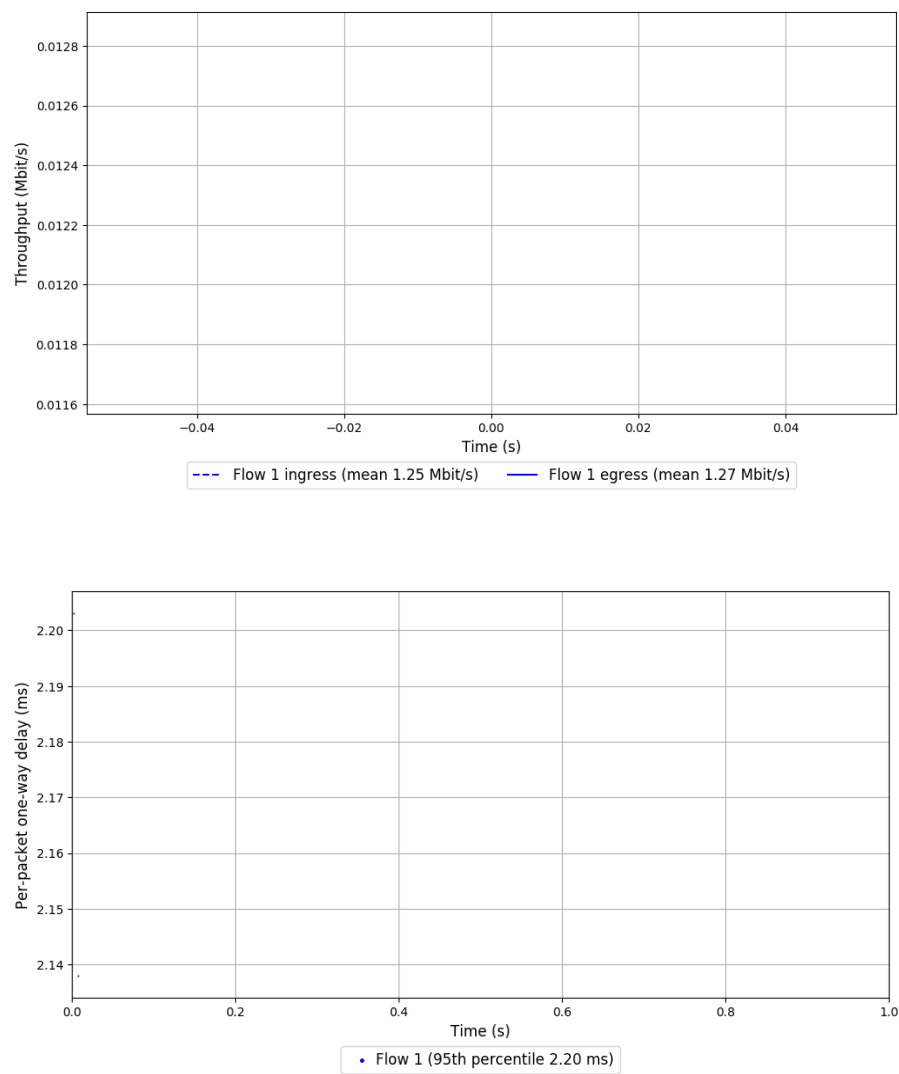
Start at: 2018-02-12 22:01:37

End at: 2018-02-12 22:02:07

Local clock offset: -4.503 ms

Remote clock offset: -4.744 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-12 22:21:36

End at: 2018-02-12 22:22:06

Local clock offset: -3.954 ms

Remote clock offset: -5.164 ms

Below is generated by plot.py at 2018-02-13 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.51 Mbit/s

95th percentile per-packet one-way delay: 14.031 ms

Loss rate: 0.02%

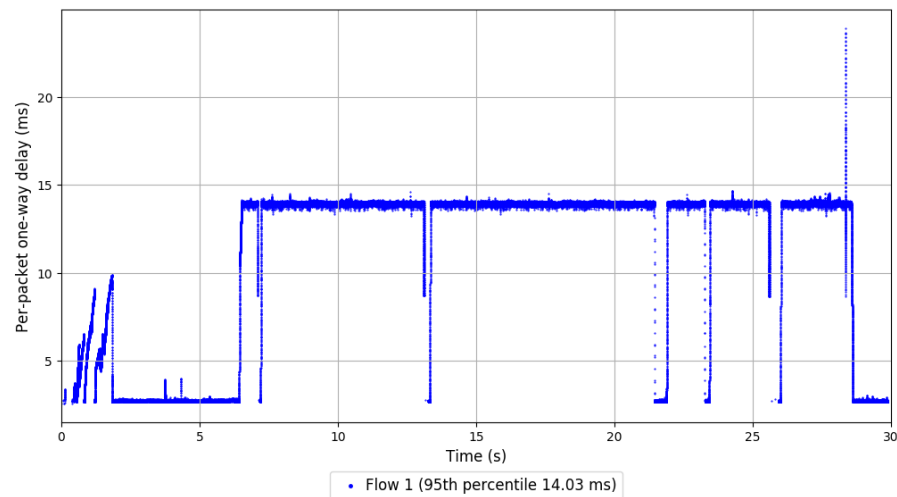
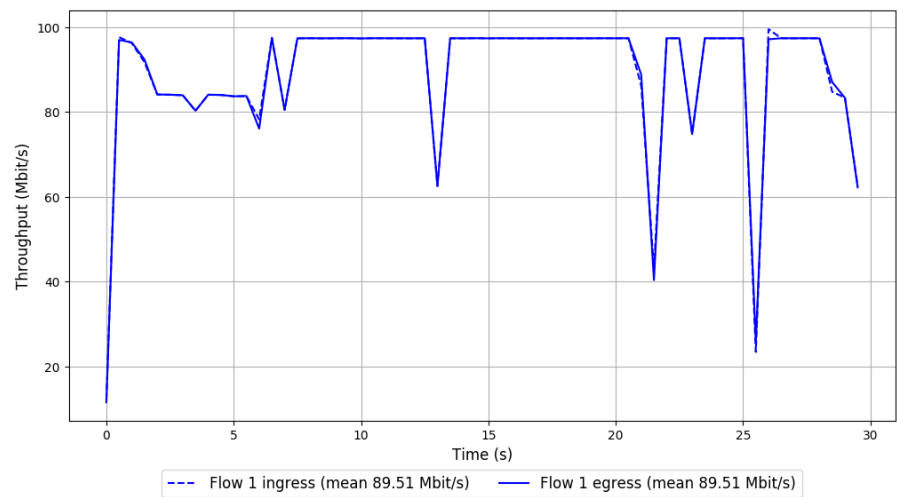
-- Flow 1:

Average throughput: 89.51 Mbit/s

95th percentile per-packet one-way delay: 14.031 ms

Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-12 22:41:54

End at: 2018-02-12 22:42:24

Local clock offset: -3.961 ms

Remote clock offset: -4.547 ms

Below is generated by plot.py at 2018-02-13 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 2.429 ms

Loss rate: 0.00%

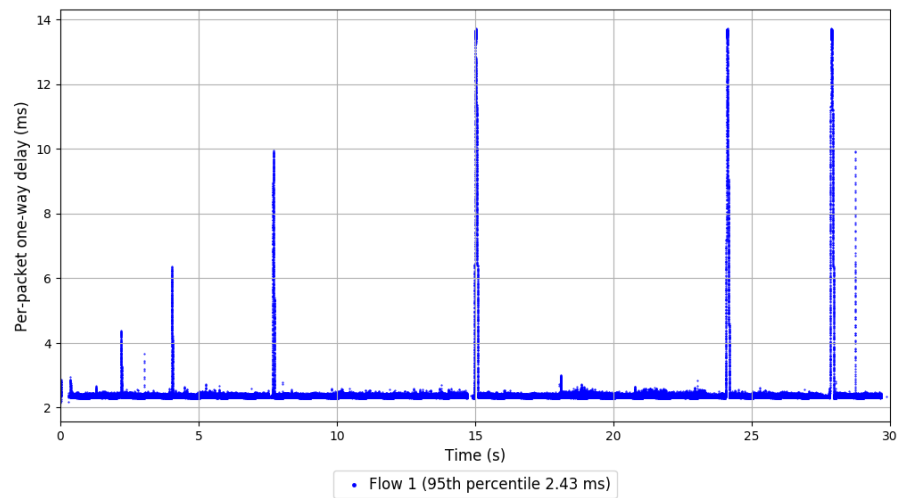
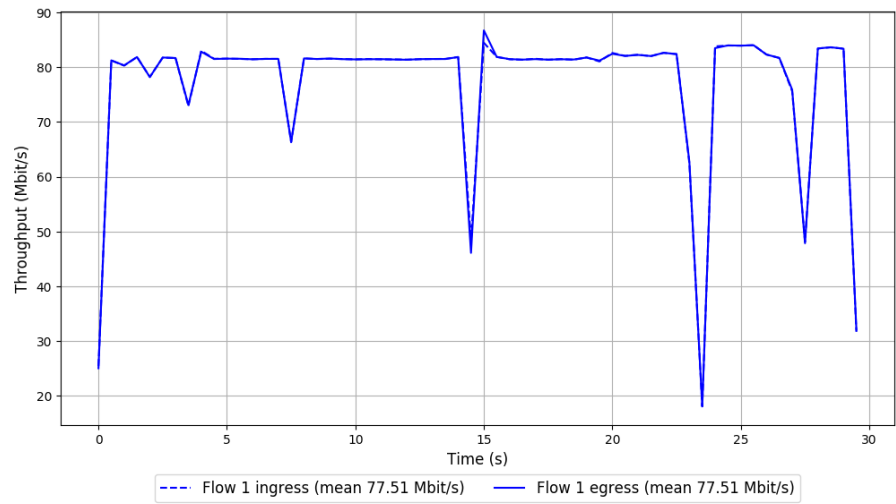
-- Flow 1:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 2.429 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-12 23:02:08

End at: 2018-02-12 23:02:38

Local clock offset: -3.867 ms

Remote clock offset: -4.577 ms

Below is generated by plot.py at 2018-02-13 04:38:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.58 Mbit/s

95th percentile per-packet one-way delay: 8.737 ms

Loss rate: 0.08%

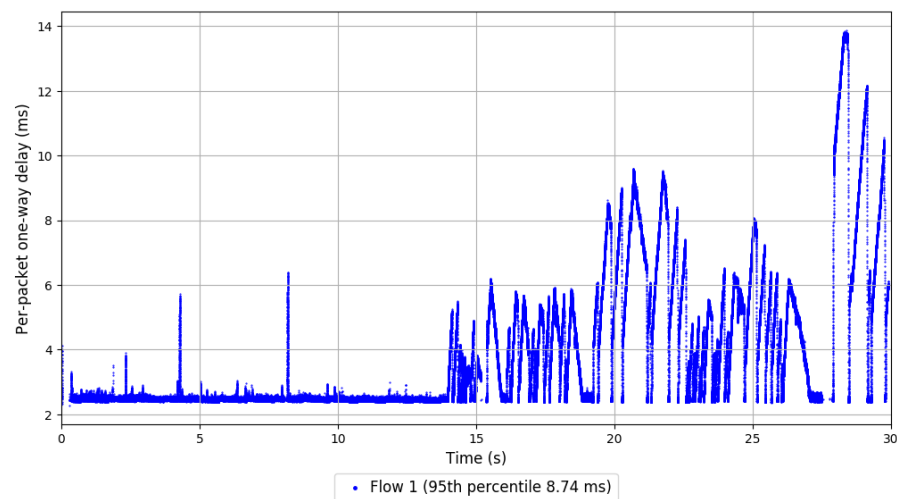
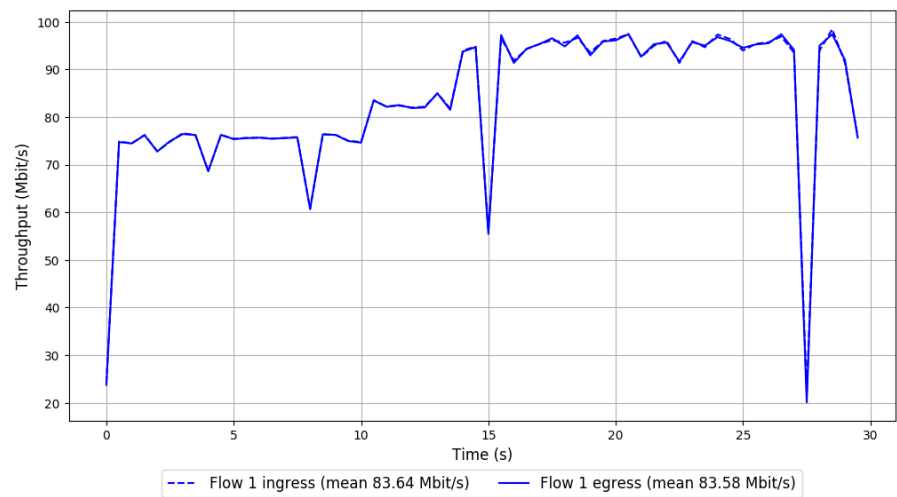
-- Flow 1:

Average throughput: 83.58 Mbit/s

95th percentile per-packet one-way delay: 8.737 ms

Loss rate: 0.08%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-12 23:22:26

End at: 2018-02-12 23:22:56

Local clock offset: -3.922 ms

Remote clock offset: -4.467 ms

Below is generated by plot.py at 2018-02-13 04:38:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.98 Mbit/s

95th percentile per-packet one-way delay: 4.964 ms

Loss rate: 0.12%

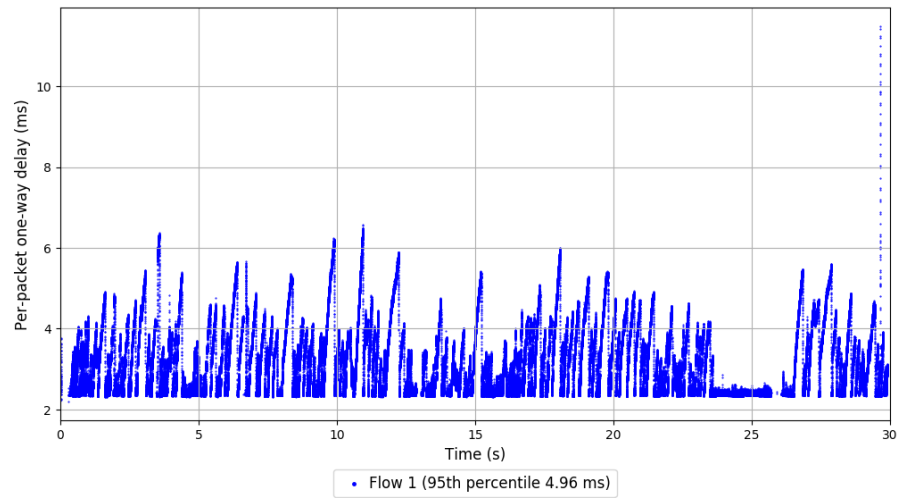
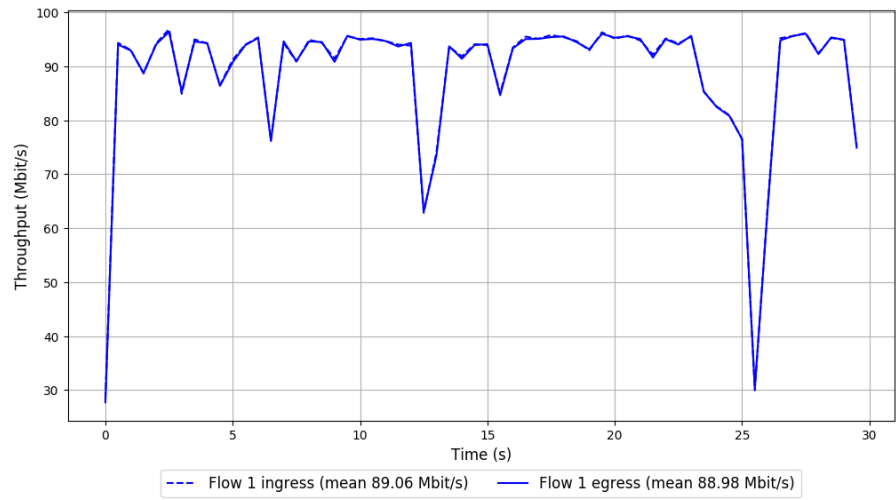
-- Flow 1:

Average throughput: 88.98 Mbit/s

95th percentile per-packet one-way delay: 4.964 ms

Loss rate: 0.12%

Run 5: Report of QUIC Cubic — Data Link

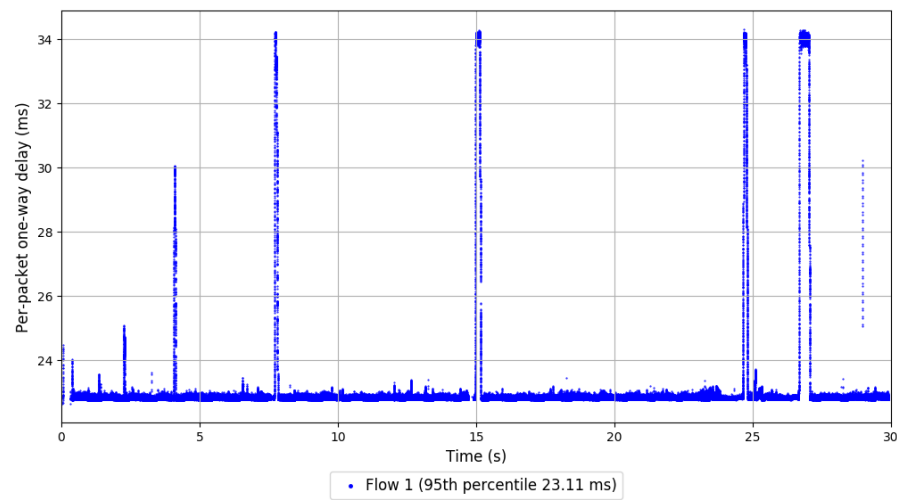
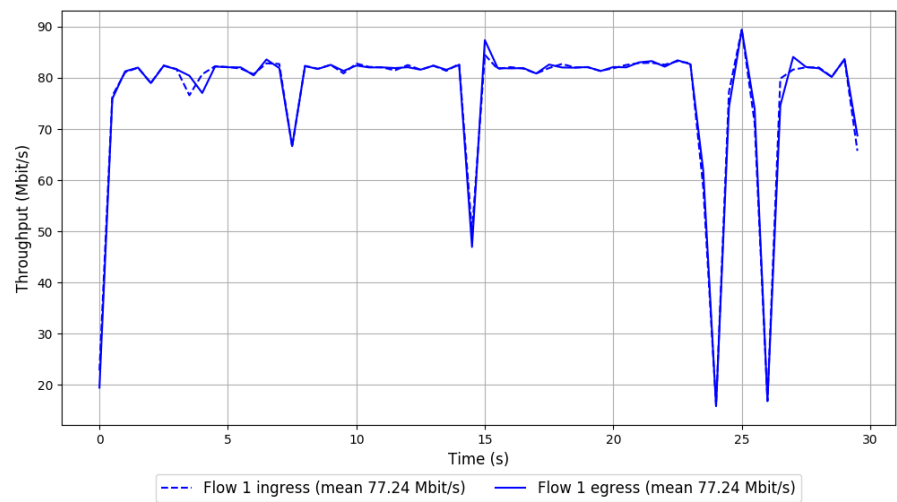


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-12 23:42:40
End at: 2018-02-12 23:43:10
Local clock offset: -4.225 ms
Remote clock offset: -25.403 ms

Below is generated by plot.py at 2018-02-13 04:38:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 23.109 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 23.109 ms
Loss rate: 0.02%

Run 6: Report of QUIC Cubic — Data Link

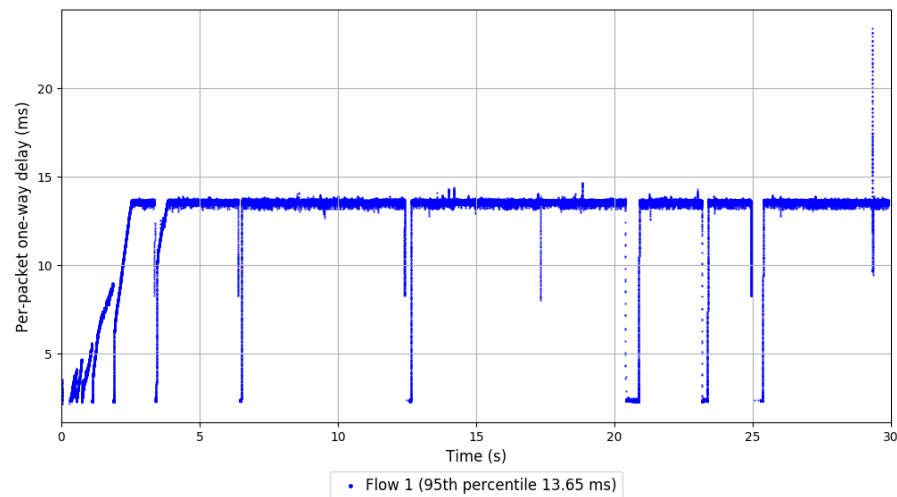
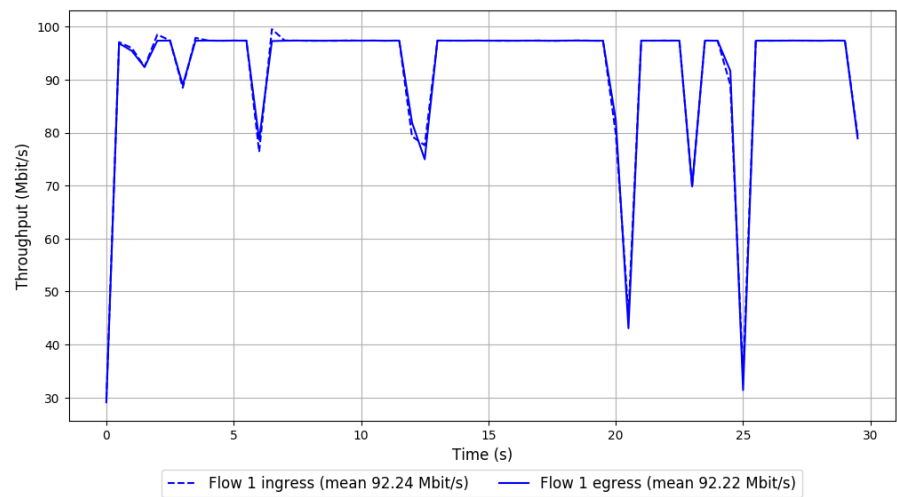


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-13 00:02:43
End at: 2018-02-13 00:03:13
Local clock offset: -4.726 ms
Remote clock offset: -5.163 ms

Below is generated by plot.py at 2018-02-13 04:39:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 13.652 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 13.652 ms
Loss rate: 0.06%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-13 00:22:58

End at: 2018-02-13 00:23:28

Local clock offset: -5.14 ms

Remote clock offset: -4.903 ms

Below is generated by plot.py at 2018-02-13 04:39:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 13.563 ms

Loss rate: 0.02%

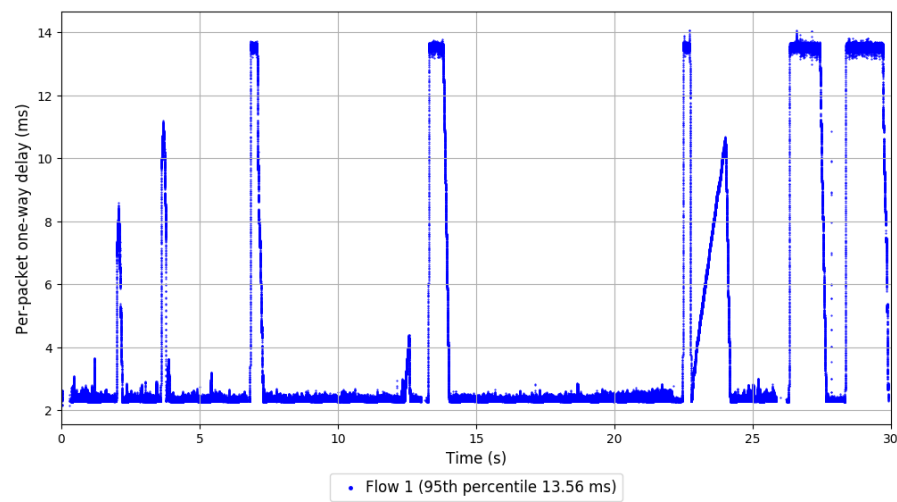
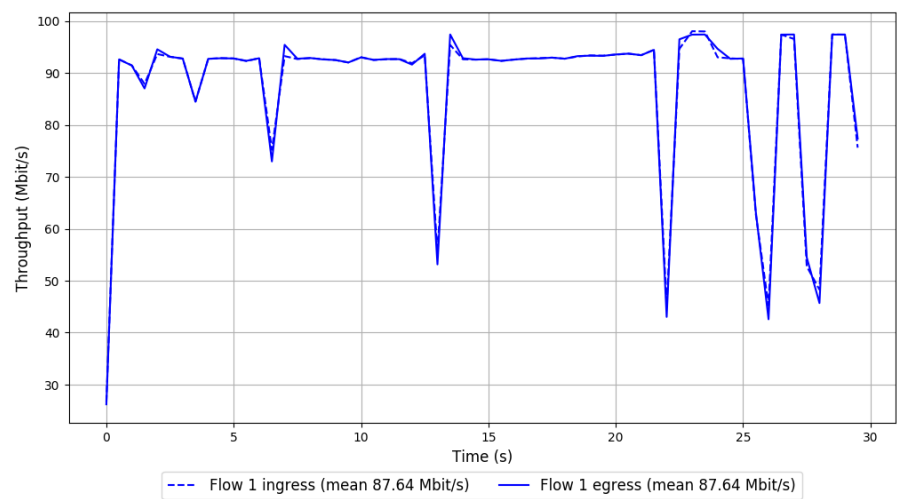
-- Flow 1:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 13.563 ms

Loss rate: 0.02%

Run 8: Report of QUIC Cubic — Data Link

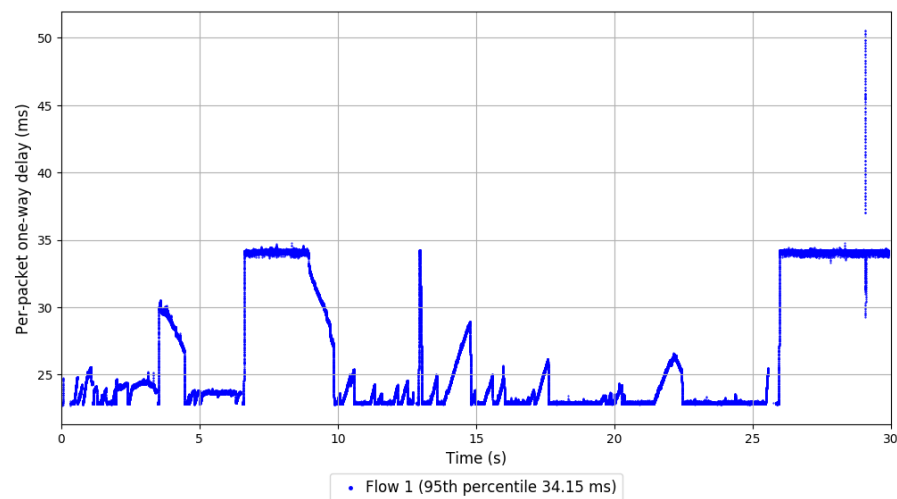
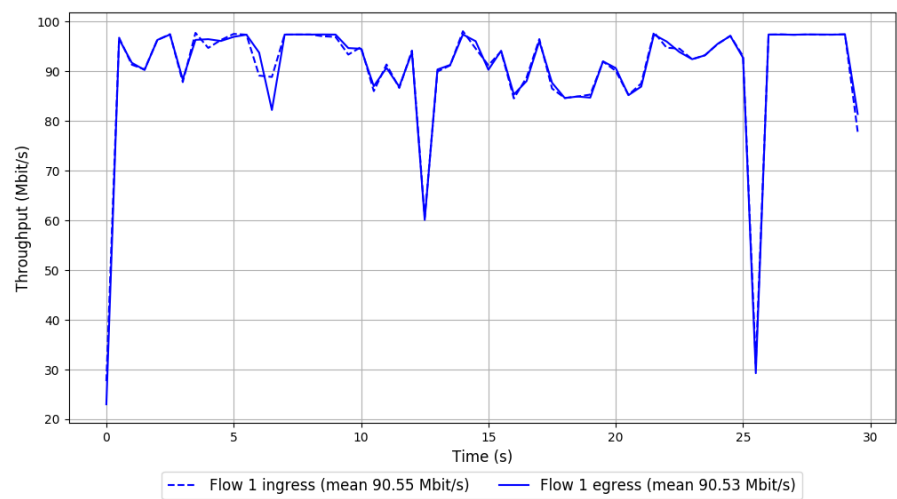


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-13 00:43:06
End at: 2018-02-13 00:43:36
Local clock offset: -5.476 ms
Remote clock offset: -25.481 ms

Below is generated by plot.py at 2018-02-13 04:39:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 34.152 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 34.152 ms
Loss rate: 0.06%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

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

End at: 2018-02-13 01:03:52

Local clock offset: -5.166 ms

Remote clock offset: -4.913 ms

Below is generated by plot.py at 2018-02-13 04:39:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.39 Mbit/s

95th percentile per-packet one-way delay: 13.664 ms

Loss rate: 0.06%

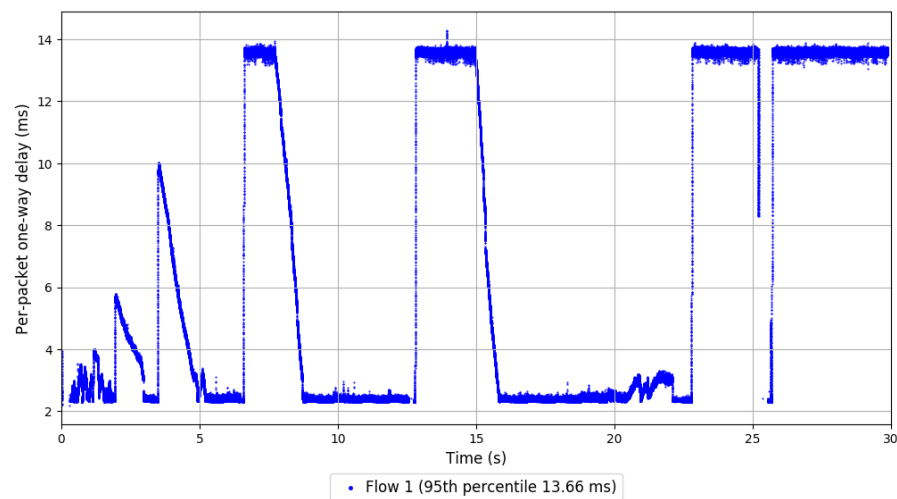
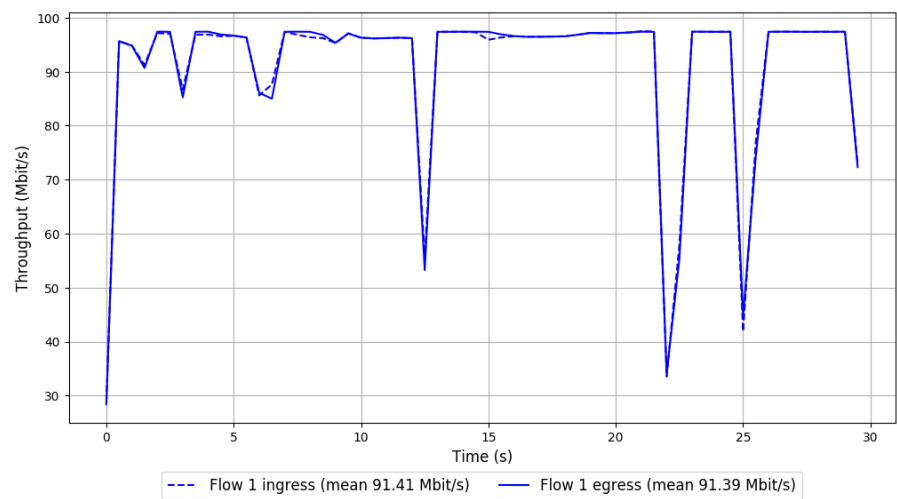
-- Flow 1:

Average throughput: 91.39 Mbit/s

95th percentile per-packet one-way delay: 13.664 ms

Loss rate: 0.06%

Run 10: Report of QUIC Cubic — Data Link

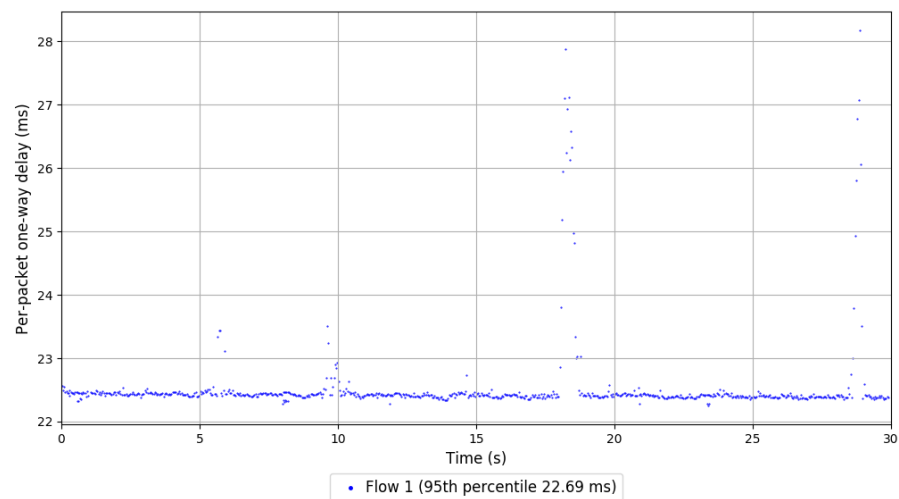
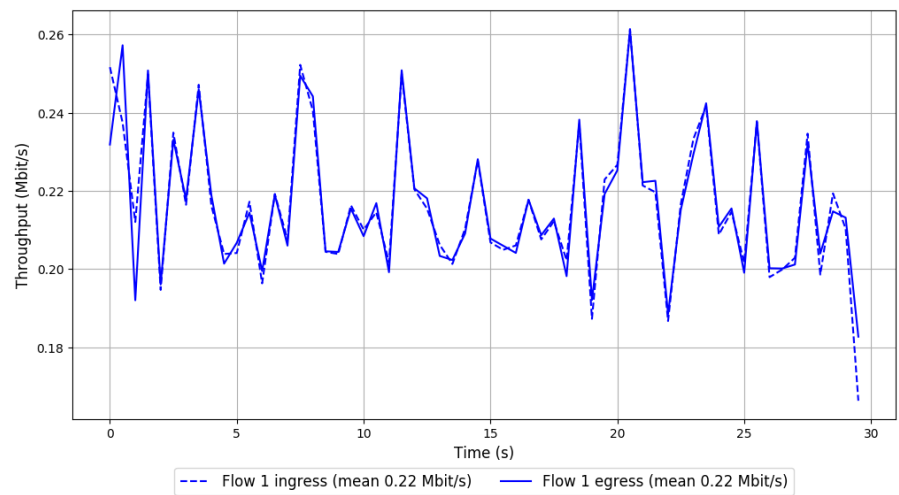


```
Run 1: Statistics of SCReAM

Start at: 2018-02-12 21:58:16
End at: 2018-02-12 21:58:46
Local clock offset: -4.575 ms
Remote clock offset: -24.648 ms

# Below is generated by plot.py at 2018-02-13 04:39:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.690 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

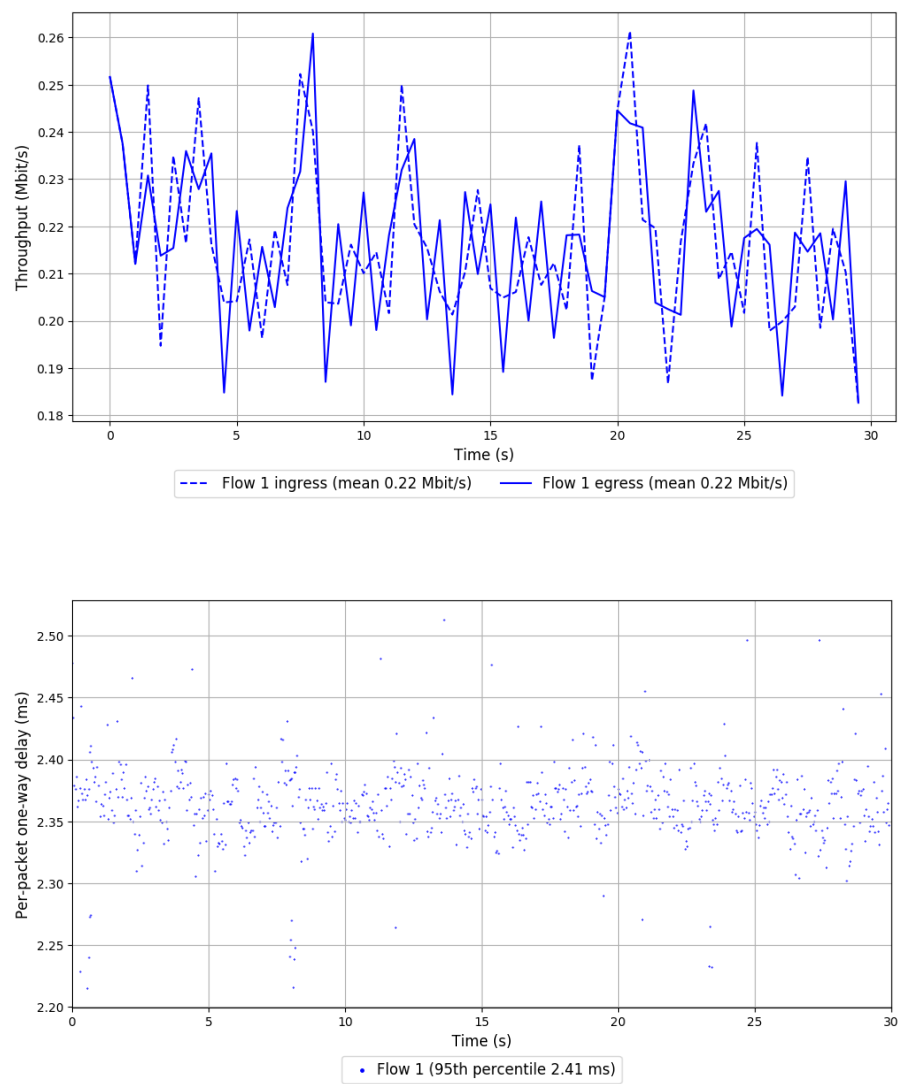


Run 2: Statistics of SCReAM

Start at: 2018-02-12 22:18:15
End at: 2018-02-12 22:18:45
Local clock offset: -4.047 ms
Remote clock offset: -4.874 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.407 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-12 22:38:33

End at: 2018-02-12 22:39:03

Local clock offset: -3.938 ms

Remote clock offset: -4.65 ms

Below is generated by plot.py at 2018-02-13 04:39:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.474 ms

Loss rate: 0.00%

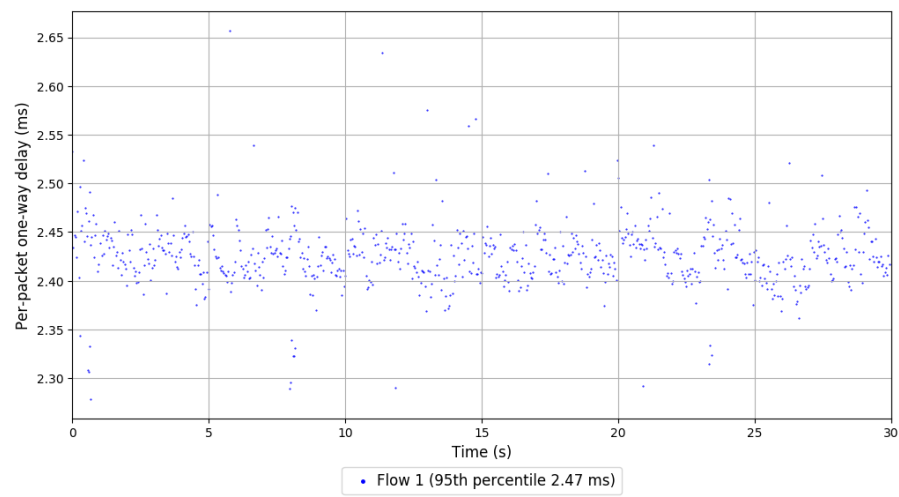
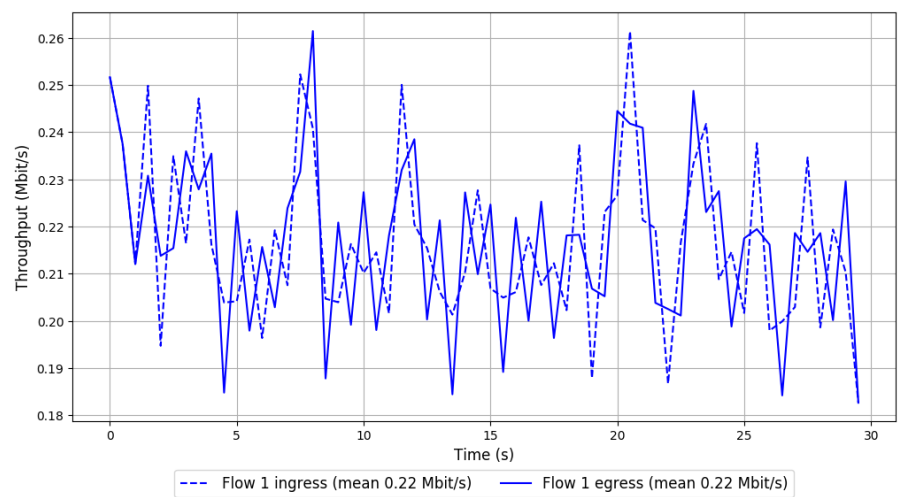
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.474 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

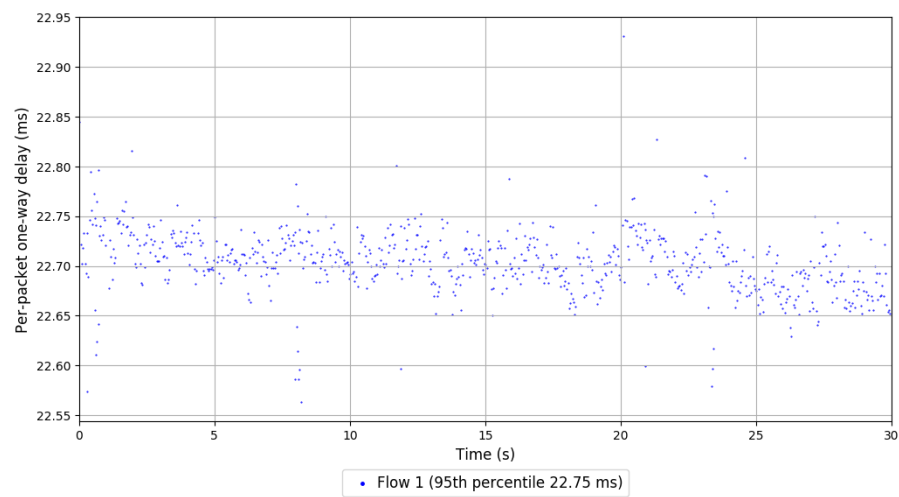
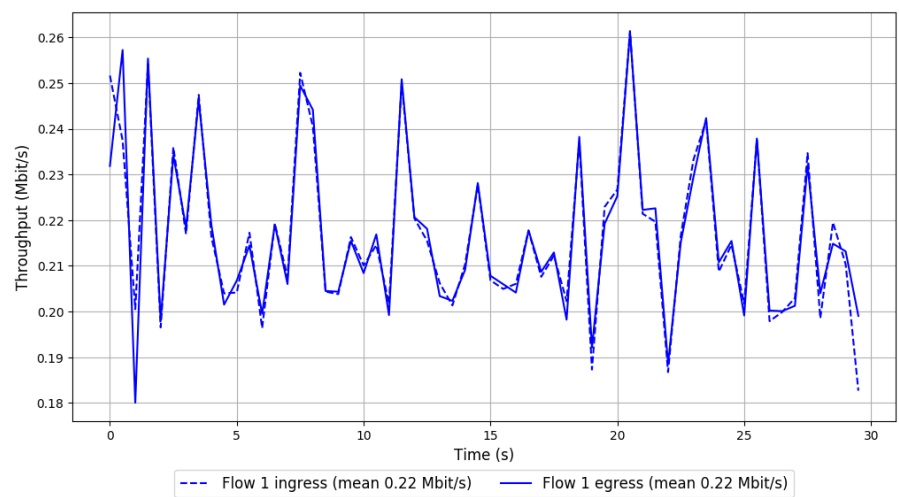


Run 4: Statistics of SCReAM

Start at: 2018-02-12 22:58:48
End at: 2018-02-12 22:59:18
Local clock offset: -3.927 ms
Remote clock offset: -24.844 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.748 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

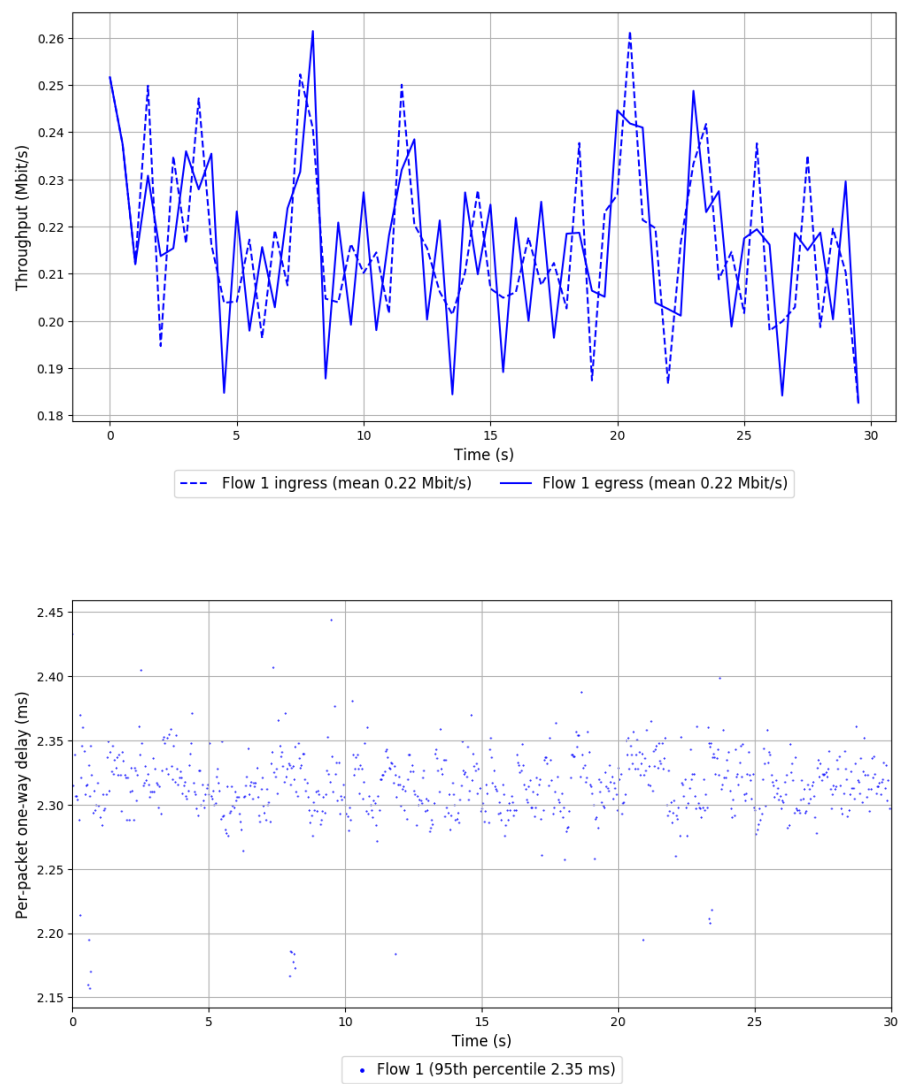


Run 5: Statistics of SCReAM

Start at: 2018-02-12 23:19:05
End at: 2018-02-12 23:19:35
Local clock offset: -3.948 ms
Remote clock offset: -4.454 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

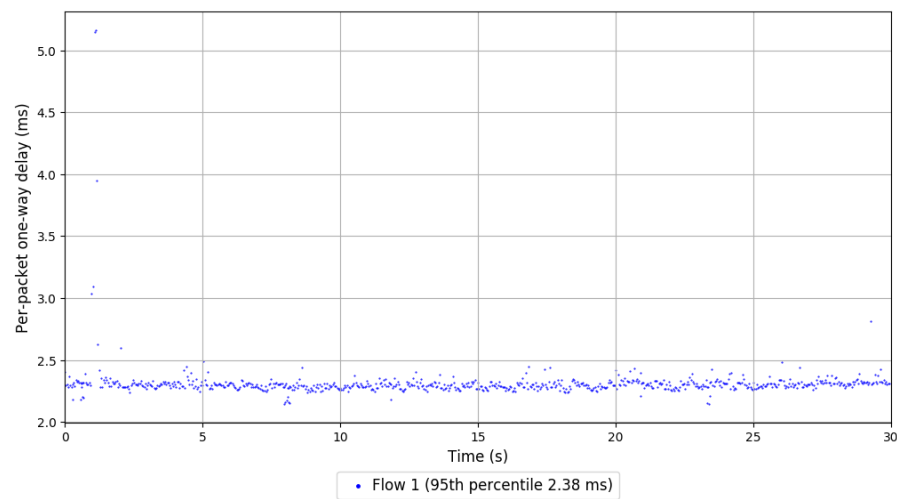
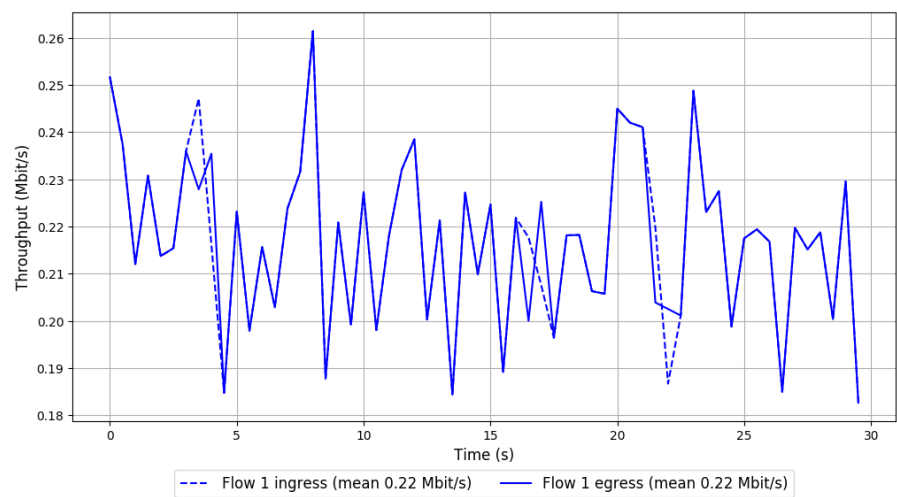


Run 6: Statistics of SCReAM

Start at: 2018-02-12 23:39:19
End at: 2018-02-12 23:39:49
Local clock offset: -4.095 ms
Remote clock offset: -4.878 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.378 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.378 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

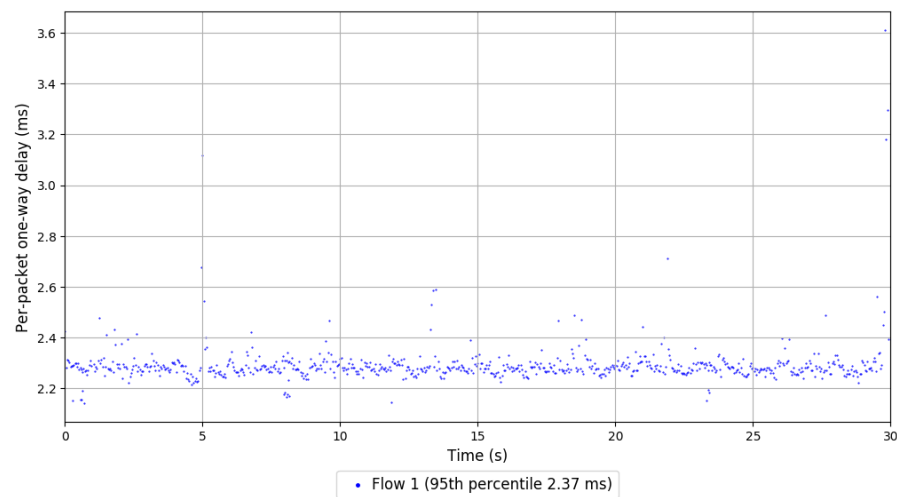
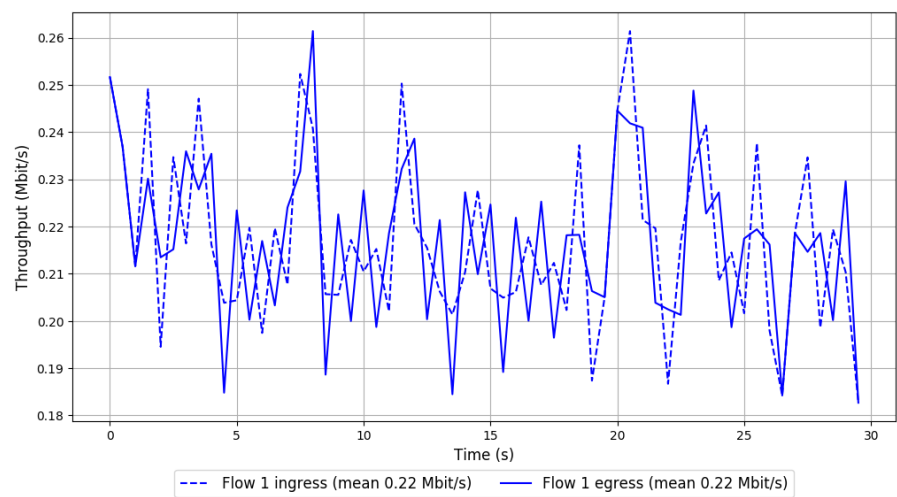


Run 7: Statistics of SCReAM

Start at: 2018-02-12 23:59:31
End at: 2018-02-13 00:00:01
Local clock offset: -4.737 ms
Remote clock offset: -5.127 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.370 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.370 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

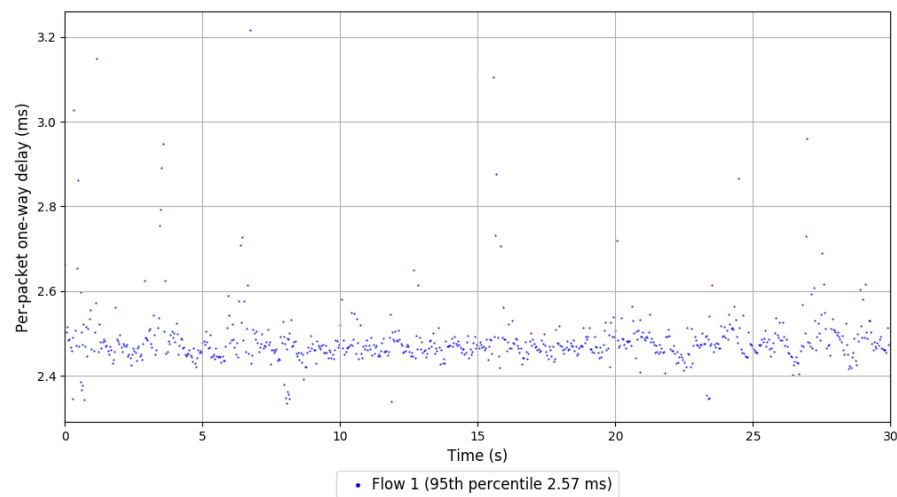
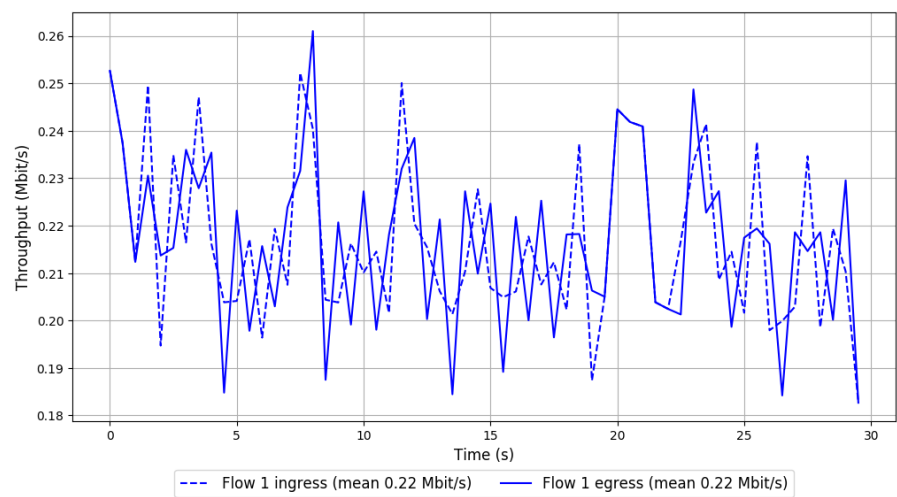


Run 8: Statistics of SCReAM

Start at: 2018-02-13 00:19:39
End at: 2018-02-13 00:20:09
Local clock offset: -5.025 ms
Remote clock offset: -5.017 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.572 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-13 00:39:46

End at: 2018-02-13 00:40:16

Local clock offset: -5.359 ms

Remote clock offset: -4.91 ms

Below is generated by plot.py at 2018-02-13 04:39:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.424 ms

Loss rate: 0.00%

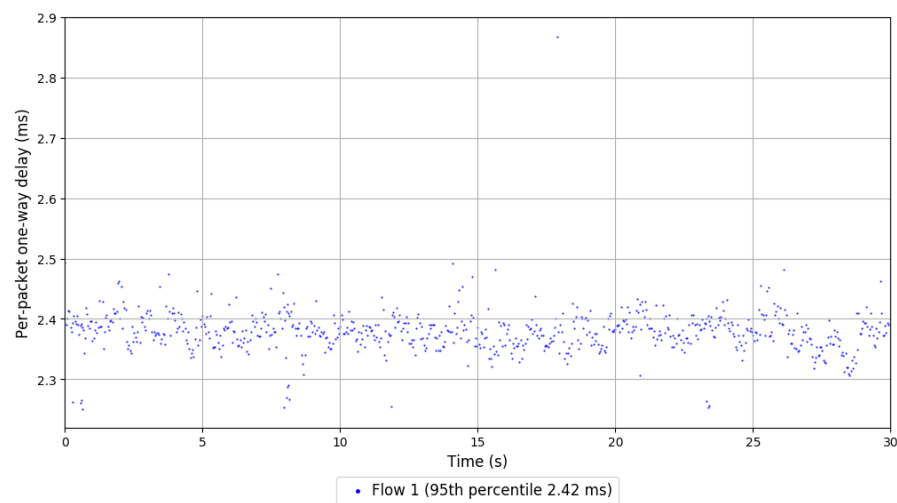
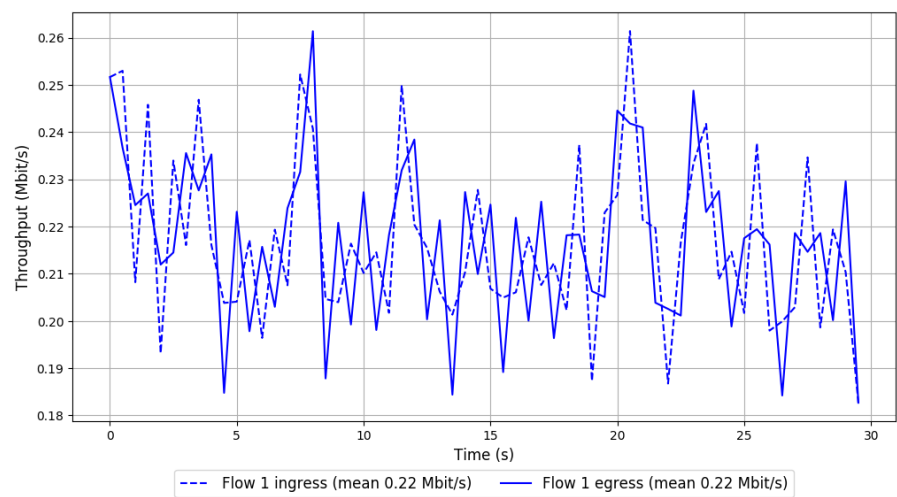
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.424 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

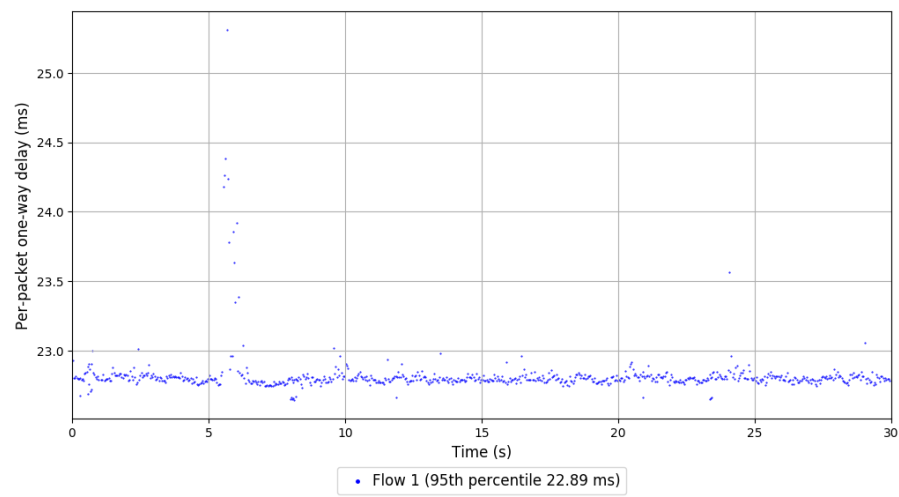
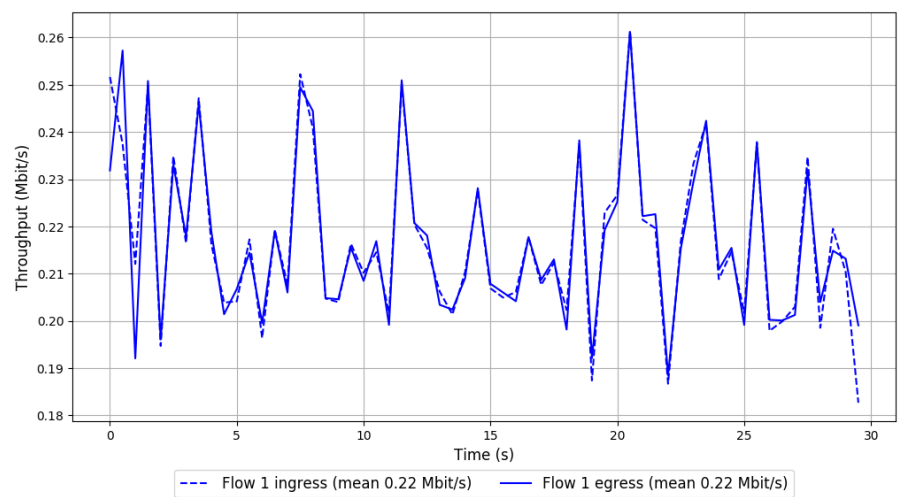


Run 10: Statistics of SReAM

Start at: 2018-02-13 01:00:05
End at: 2018-02-13 01:00:35
Local clock offset: -5.199 ms
Remote clock offset: -25.379 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.888 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

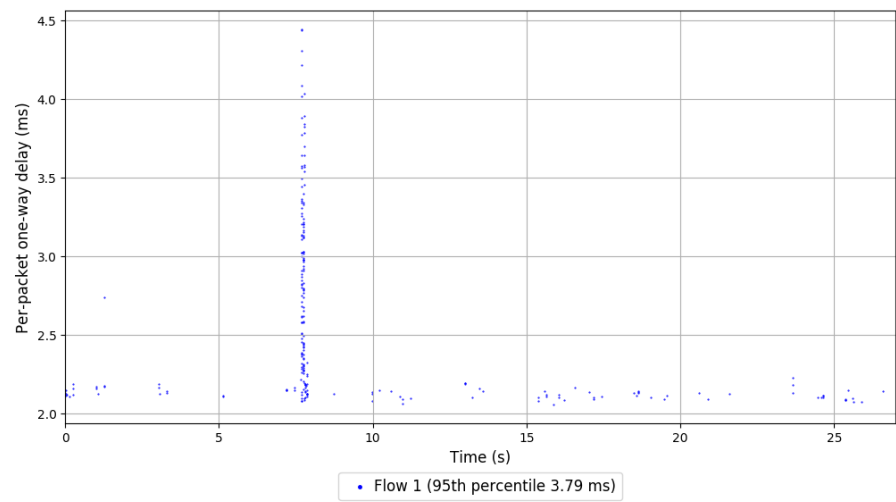
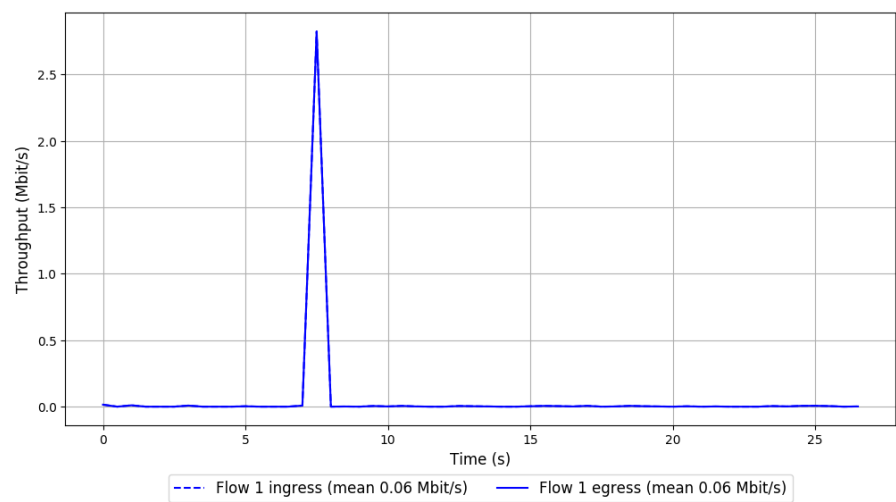


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-12 21:50:20
End at: 2018-02-12 21:50:50
Local clock offset: -4.815 ms
Remote clock offset: -3.669 ms

# Below is generated by plot.py at 2018-02-13 04:39:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.787 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

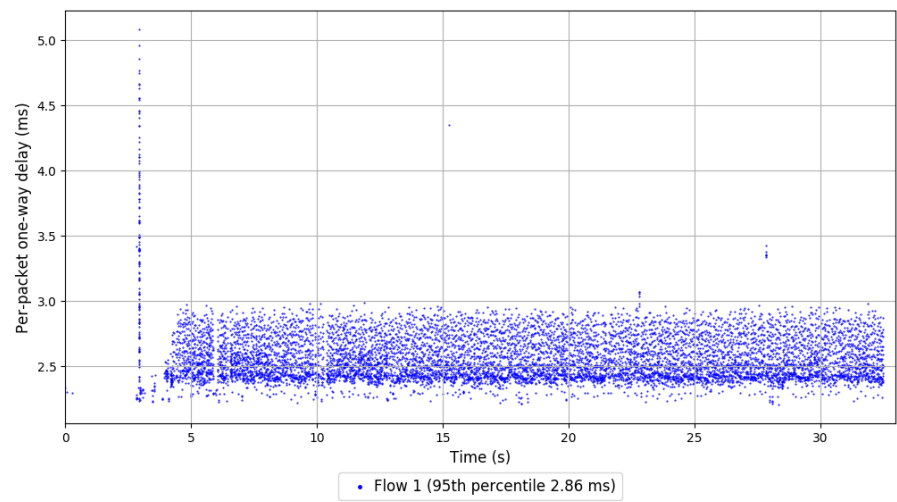
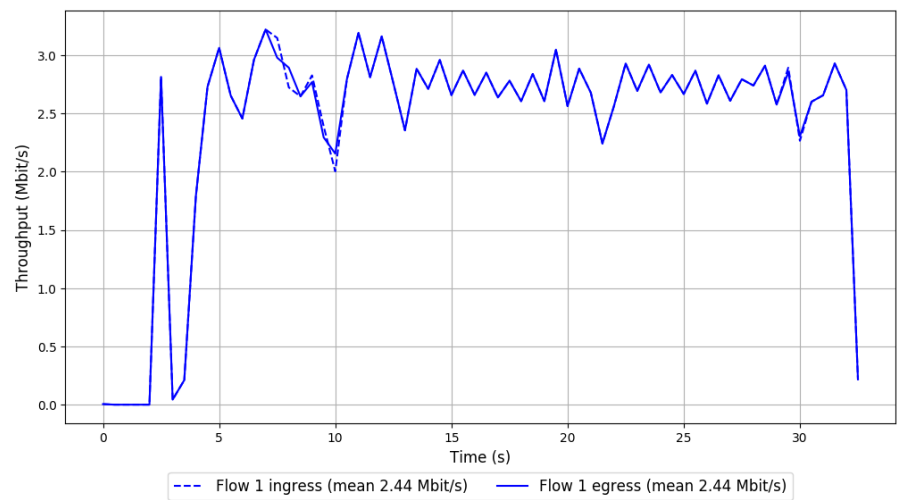


Run 2: Statistics of WebRTC media

Start at: 2018-02-12 22:10:25
End at: 2018-02-12 22:10:55
Local clock offset: -4.132 ms
Remote clock offset: -4.893 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.864 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

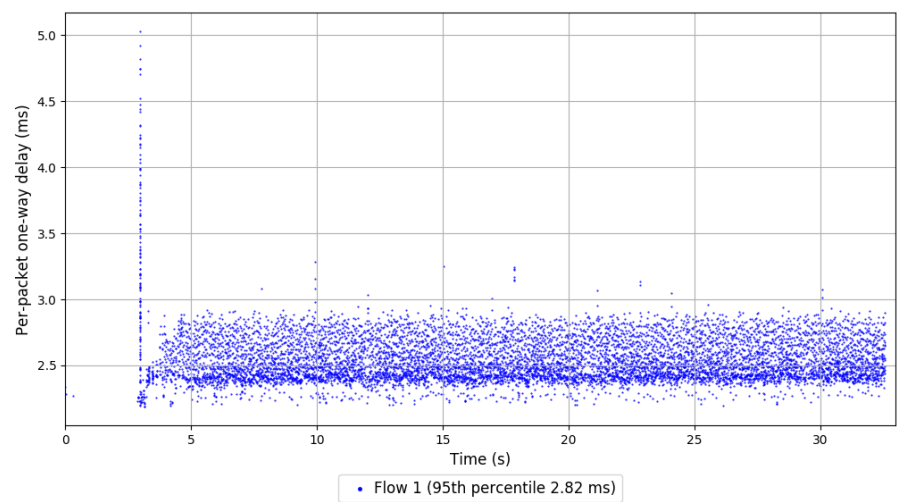
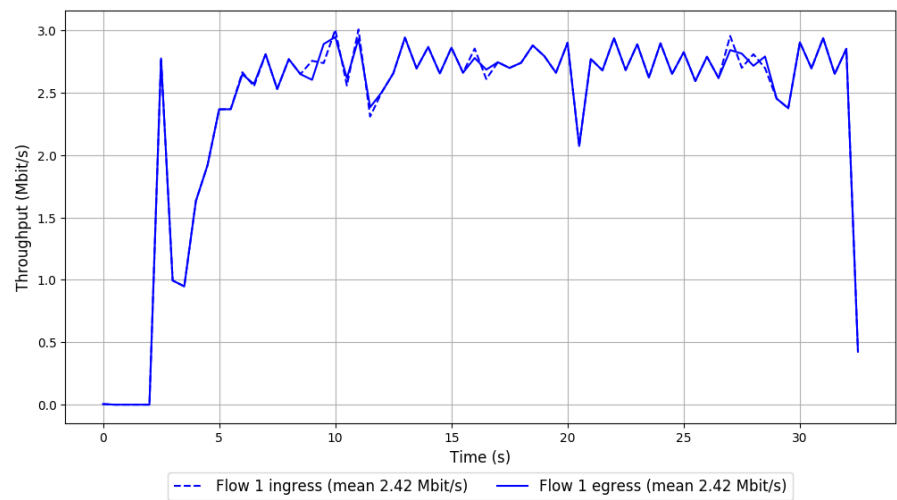


Run 3: Statistics of WebRTC media

Start at: 2018-02-12 22:30:37
End at: 2018-02-12 22:31:07
Local clock offset: -3.852 ms
Remote clock offset: -4.684 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 2.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 2.824 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

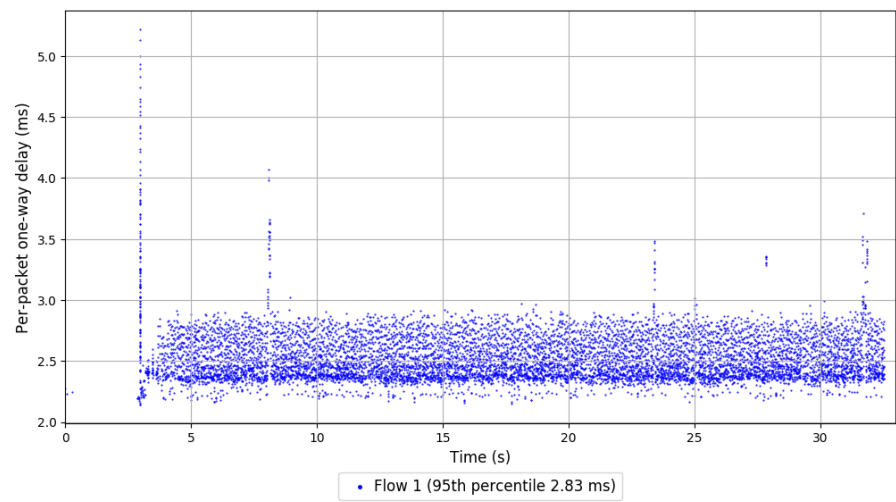
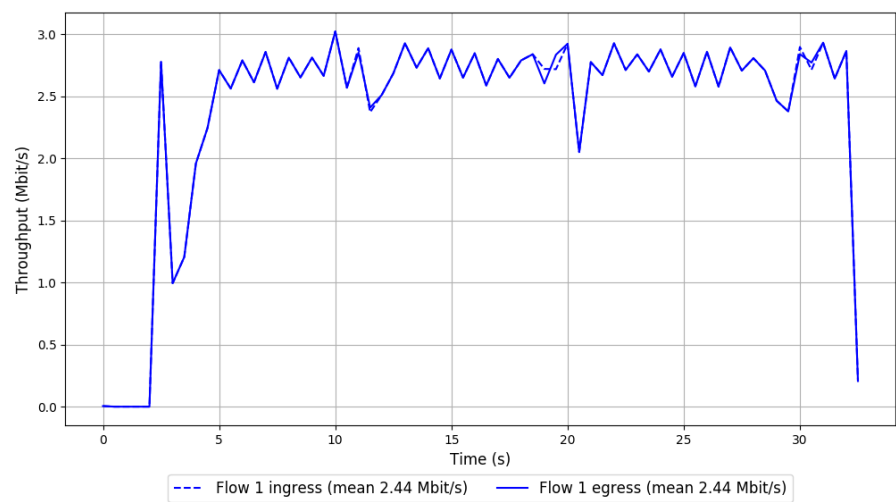


Run 4: Statistics of WebRTC media

Start at: 2018-02-12 22:50:55
End at: 2018-02-12 22:51:25
Local clock offset: -3.952 ms
Remote clock offset: -4.456 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.825 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.825 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

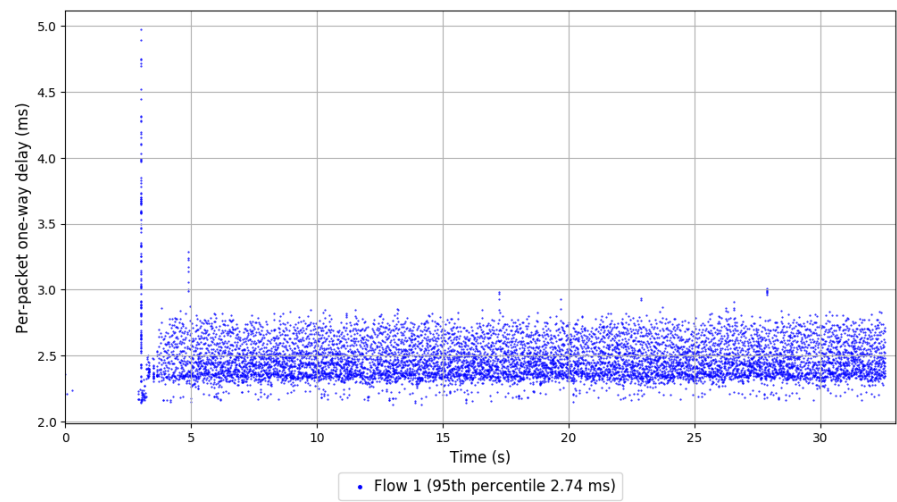
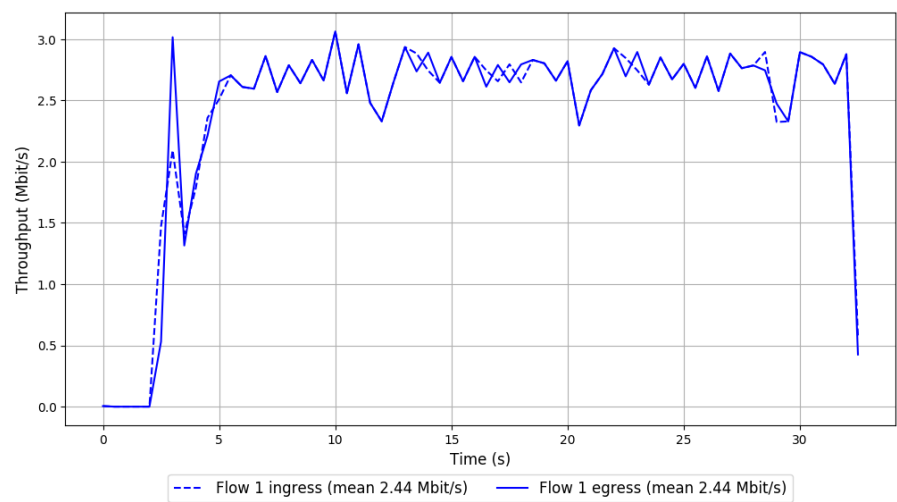


Run 5: Statistics of WebRTC media

Start at: 2018-02-12 23:11:12
End at: 2018-02-12 23:11:42
Local clock offset: -3.946 ms
Remote clock offset: -4.519 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.739 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.739 ms
Loss rate: 0.09%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-12 23:31:29

End at: 2018-02-12 23:31:59

Local clock offset: -3.908 ms

Remote clock offset: -4.49 ms

Below is generated by plot.py at 2018-02-13 04:39:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 2.749 ms

Loss rate: 0.00%

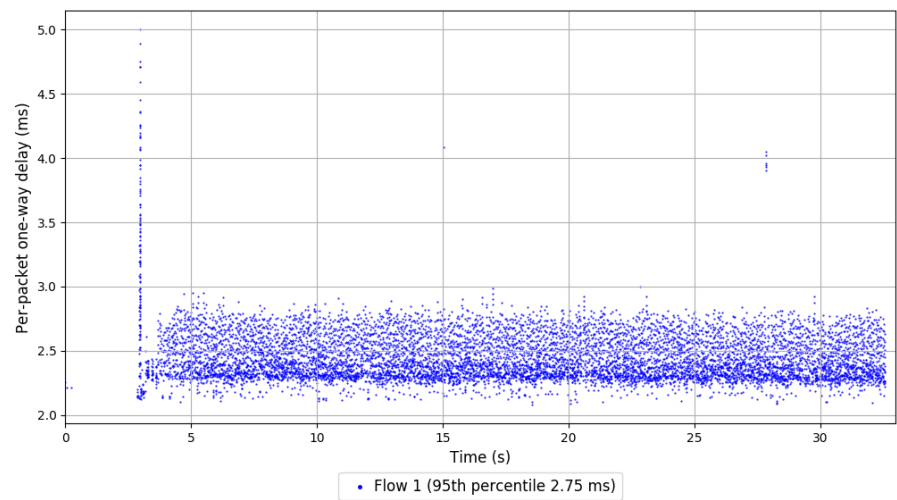
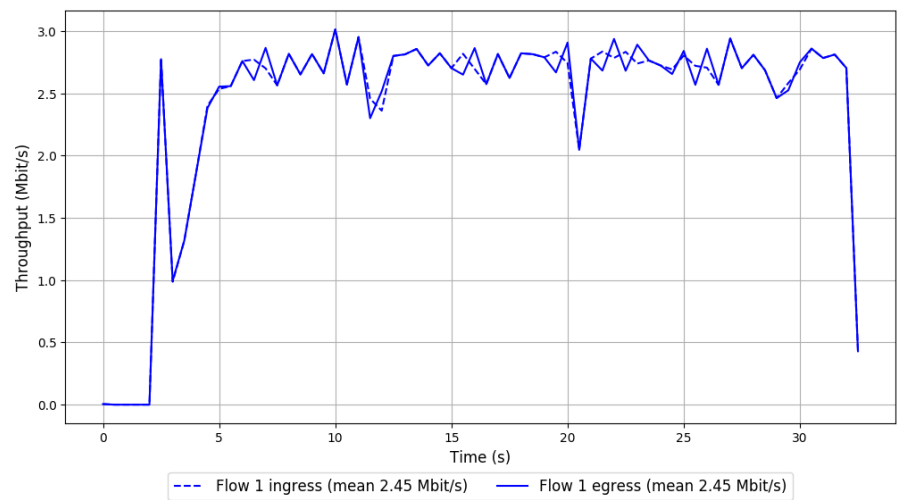
-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 2.749 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

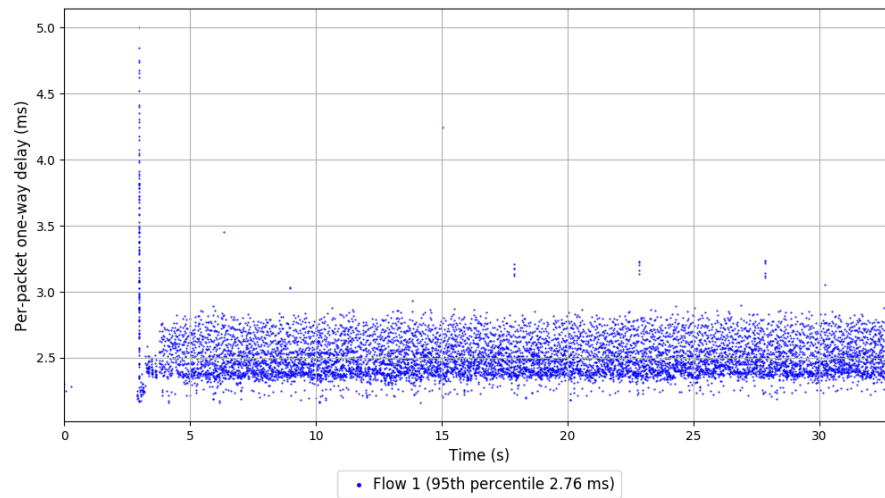
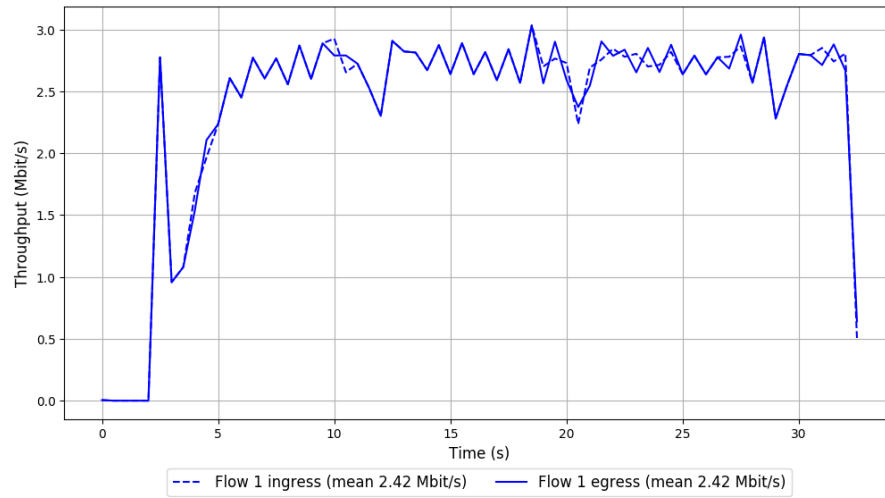


Run 7: Statistics of WebRTC media

Start at: 2018-02-12 23:51:43
End at: 2018-02-12 23:52:13
Local clock offset: -4.643 ms
Remote clock offset: -5.176 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 2.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 2.764 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

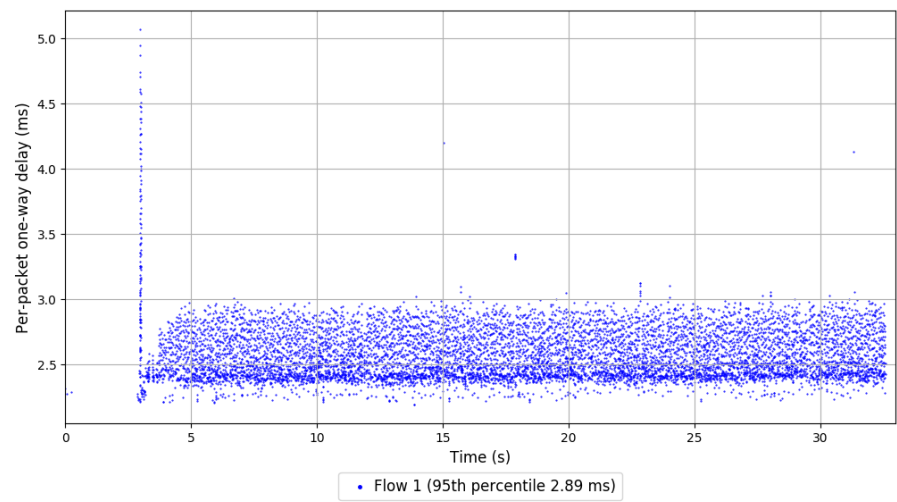
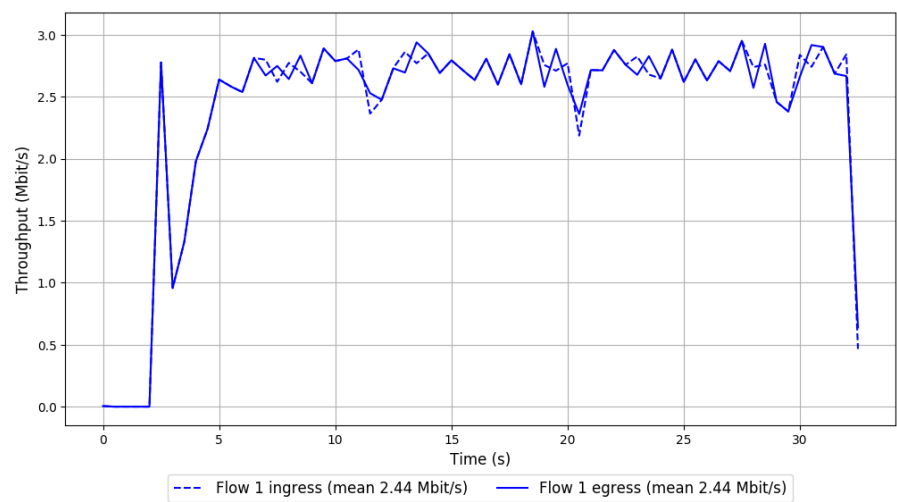


Run 8: Statistics of WebRTC media

Start at: 2018-02-13 00:11:47
End at: 2018-02-13 00:12:17
Local clock offset: -4.814 ms
Remote clock offset: -5.028 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.894 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

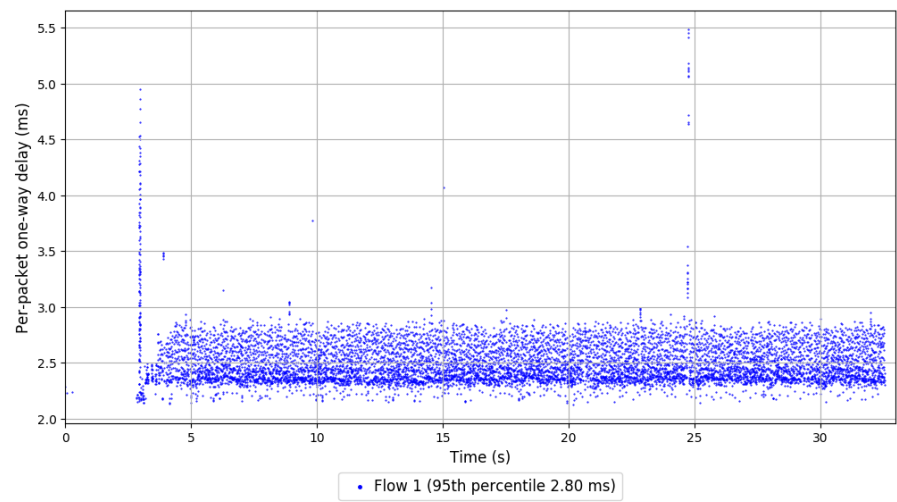
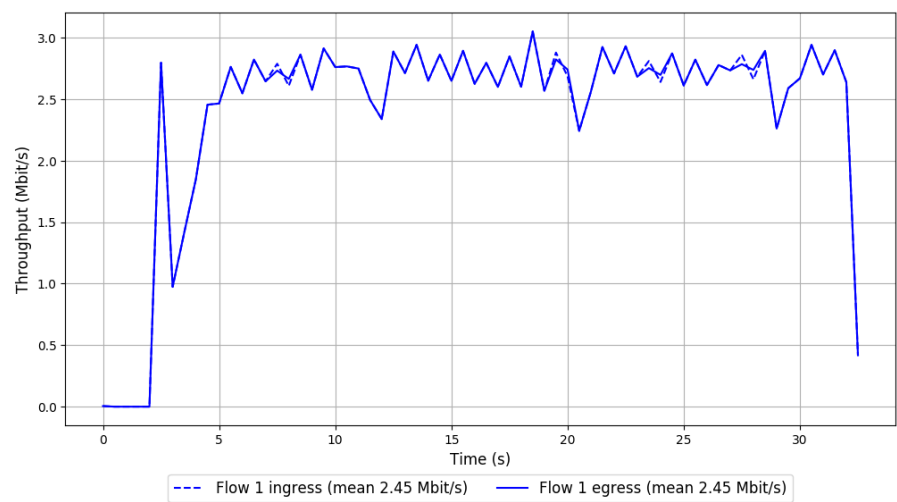


Run 9: Statistics of WebRTC media

Start at: 2018-02-13 00:31:54
End at: 2018-02-13 00:32:24
Local clock offset: -5.289 ms
Remote clock offset: -4.904 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 2.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 2.801 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

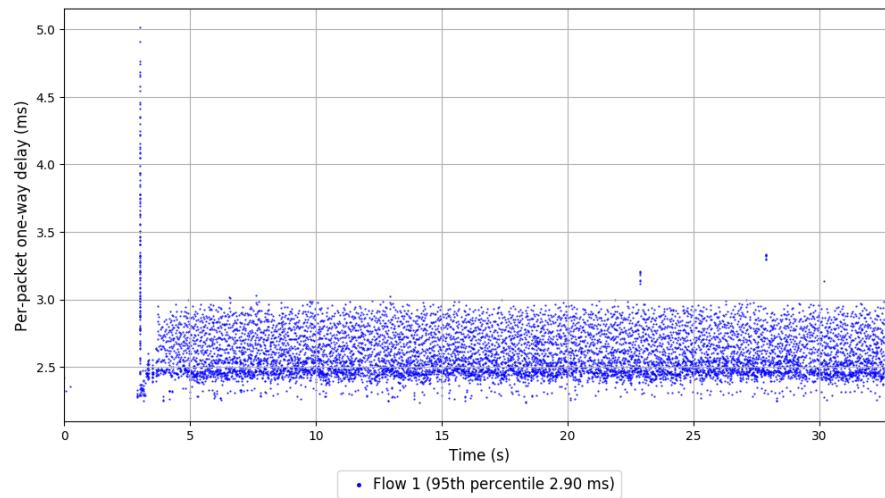
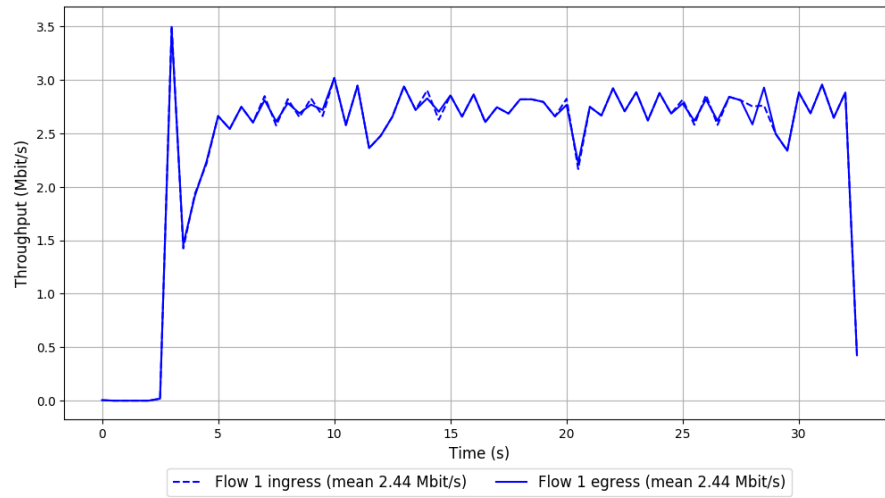


Run 10: Statistics of WebRTC media

Start at: 2018-02-13 00:52:10
End at: 2018-02-13 00:52:40
Local clock offset: -5.261 ms
Remote clock offset: -4.996 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.899 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

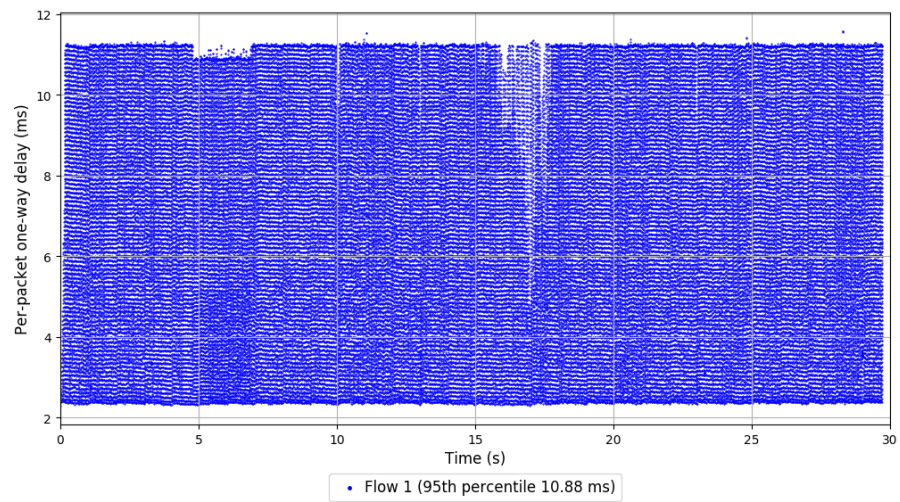
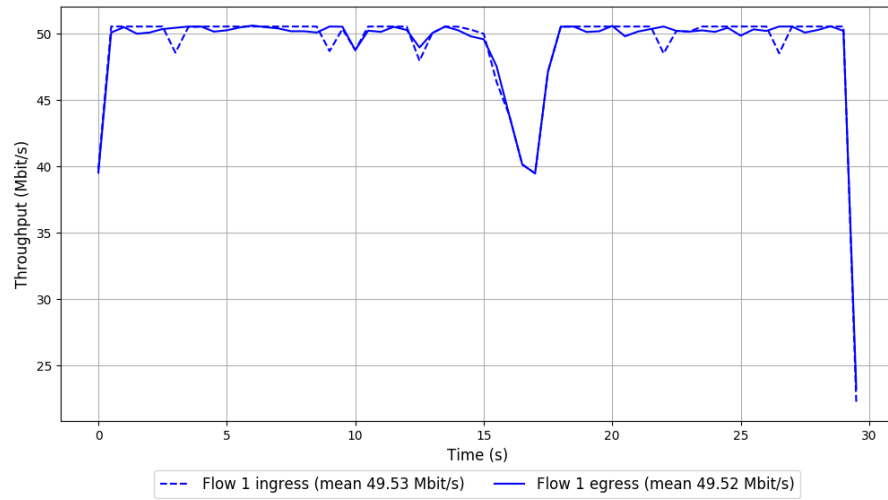


Run 1: Statistics of Sprout

Start at: 2018-02-12 21:45:49
End at: 2018-02-12 21:46:19
Local clock offset: -4.859 ms
Remote clock offset: -3.106 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.52 Mbit/s
95th percentile per-packet one-way delay: 10.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.52 Mbit/s
95th percentile per-packet one-way delay: 10.878 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

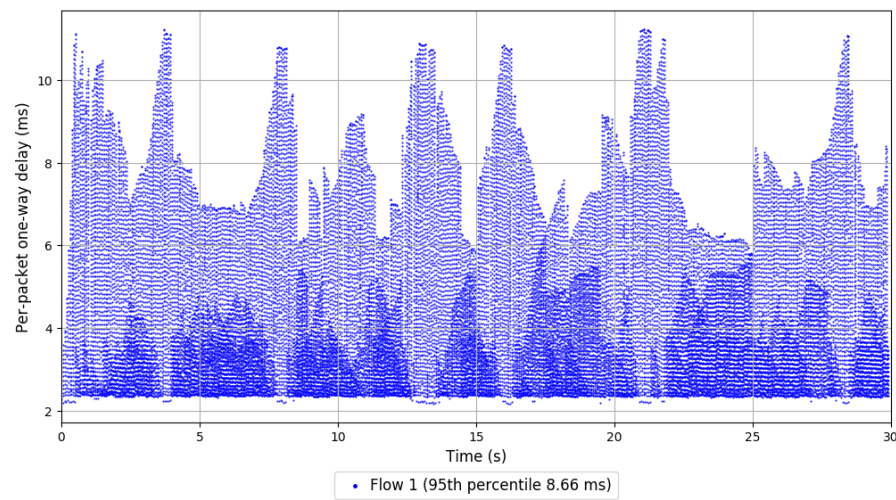
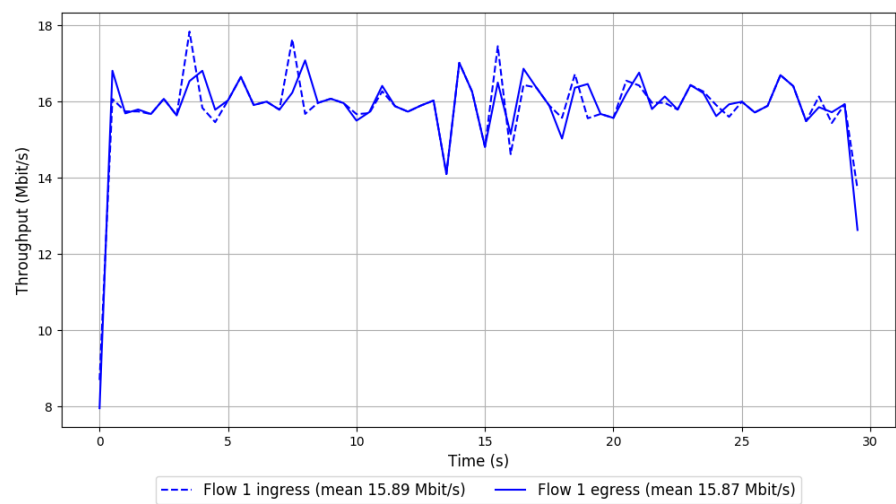


Run 2: Statistics of Sprout

Start at: 2018-02-12 22:06:01
End at: 2018-02-12 22:06:31
Local clock offset: -4.258 ms
Remote clock offset: -4.806 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 8.659 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 8.659 ms
Loss rate: 0.11%

Run 2: Report of Sprout — Data Link

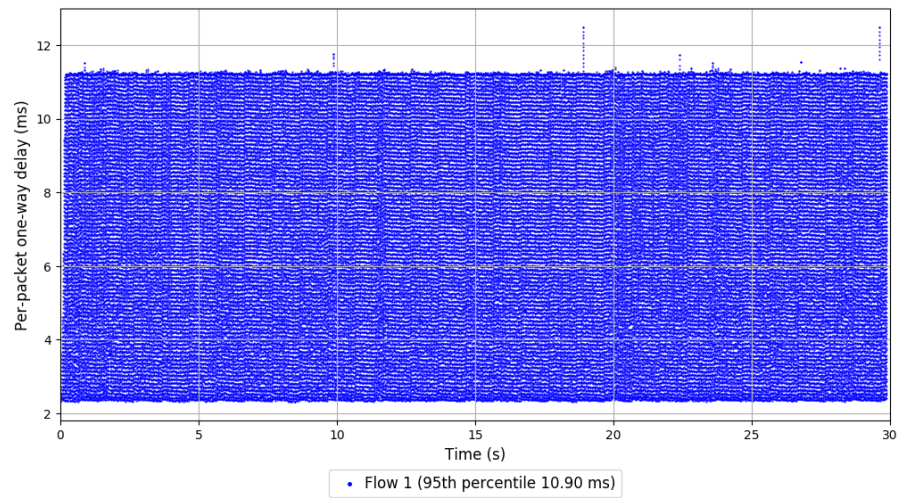
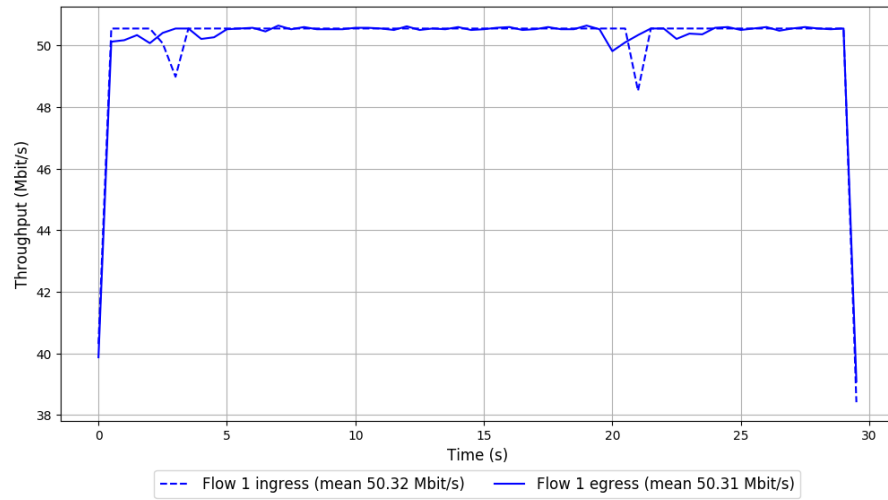


Run 3: Statistics of Sprout

Start at: 2018-02-12 22:26:06
End at: 2018-02-12 22:26:36
Local clock offset: -3.895 ms
Remote clock offset: -4.724 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 10.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 10.901 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

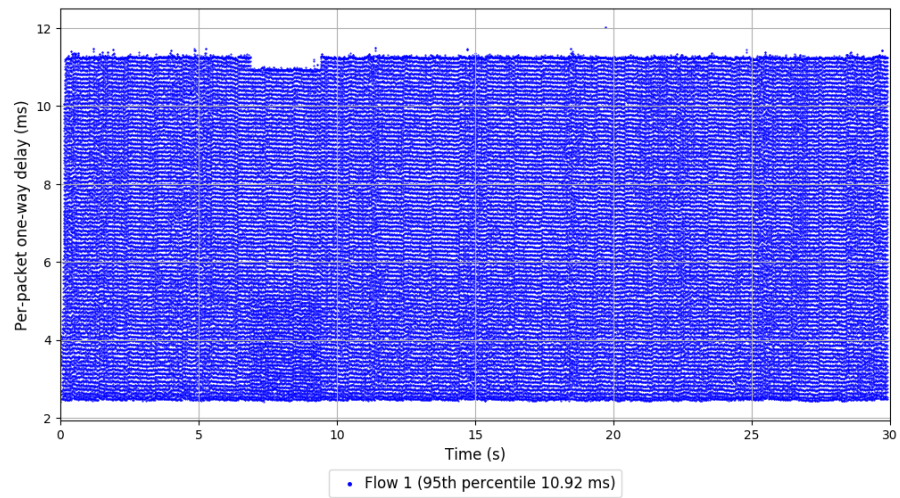
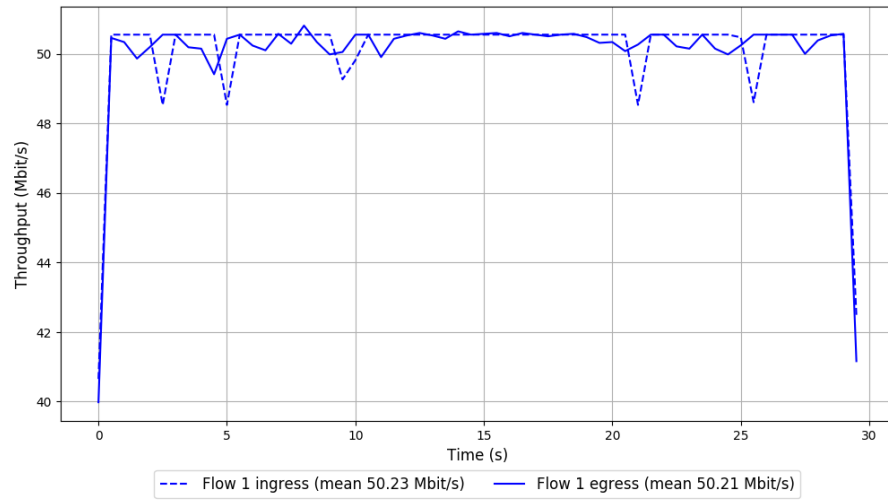


Run 4: Statistics of Sprout

Start at: 2018-02-12 22:46:24
End at: 2018-02-12 22:46:54
Local clock offset: -3.947 ms
Remote clock offset: -4.582 ms

Below is generated by plot.py at 2018-02-13 04:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 10.920 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 10.920 ms
Loss rate: 0.07%

Run 4: Report of Sprout — Data Link

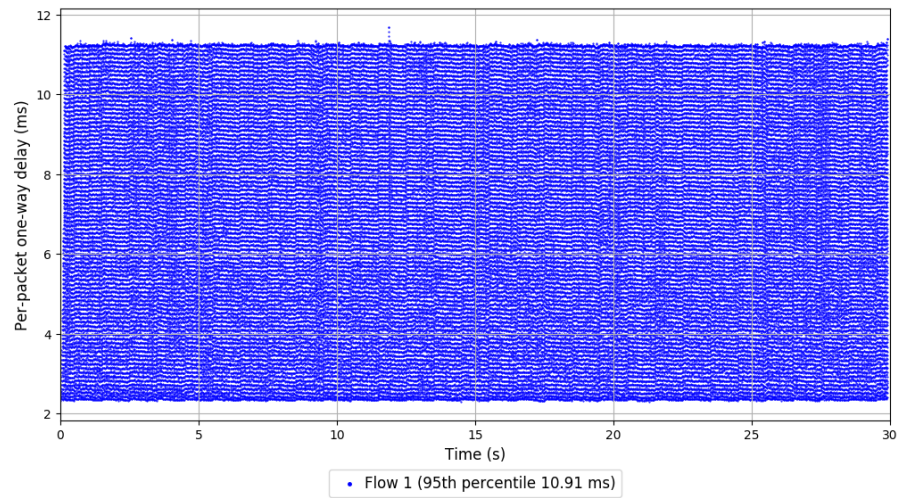
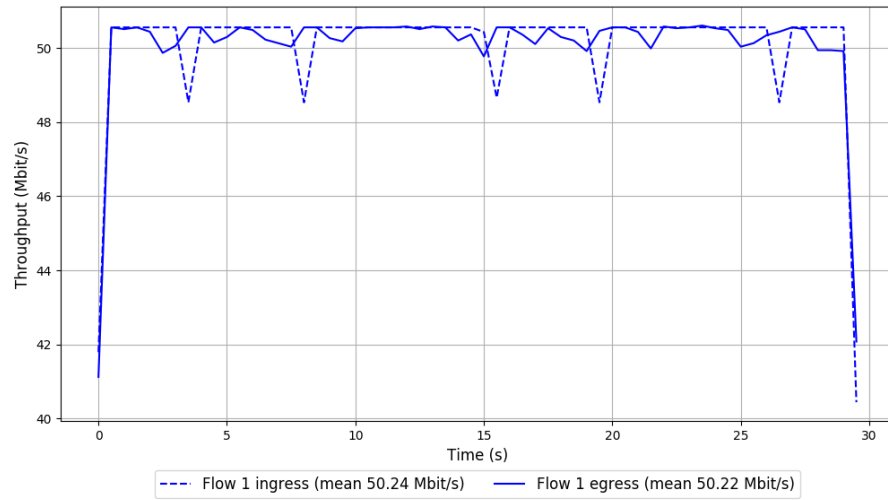


Run 5: Statistics of Sprout

Start at: 2018-02-12 23:06:41
End at: 2018-02-12 23:07:11
Local clock offset: -3.933 ms
Remote clock offset: -4.528 ms

Below is generated by plot.py at 2018-02-13 04:39:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 10.910 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 10.910 ms
Loss rate: 0.01%

Run 5: Report of Sprout — Data Link

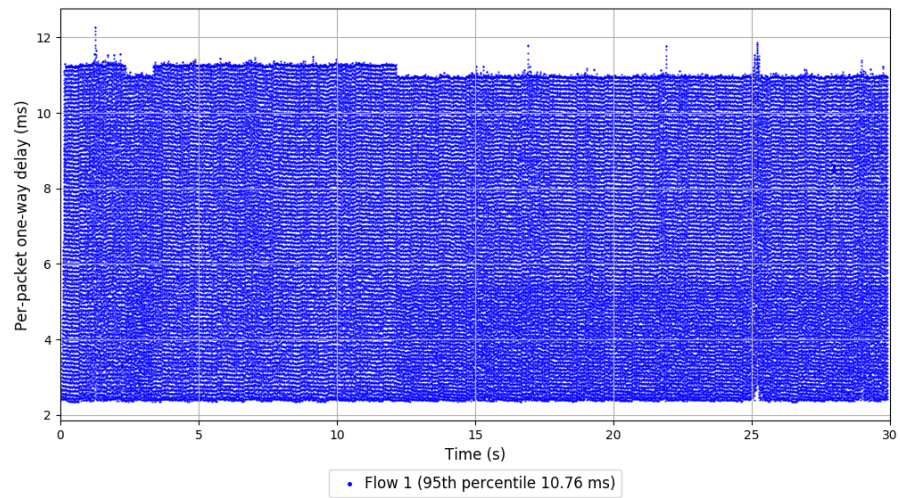
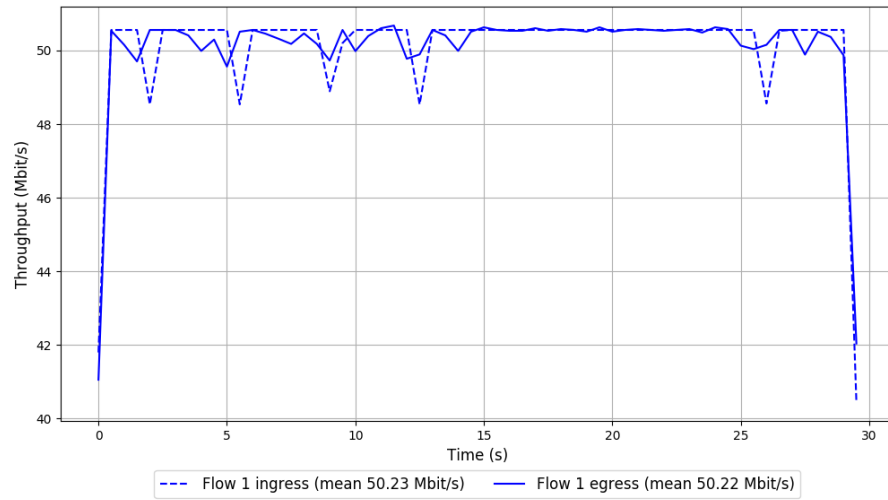


Run 6: Statistics of Sprout

Start at: 2018-02-12 23:26:59
End at: 2018-02-12 23:27:29
Local clock offset: -3.911 ms
Remote clock offset: -4.413 ms

Below is generated by plot.py at 2018-02-13 04:39:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 10.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 10.763 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

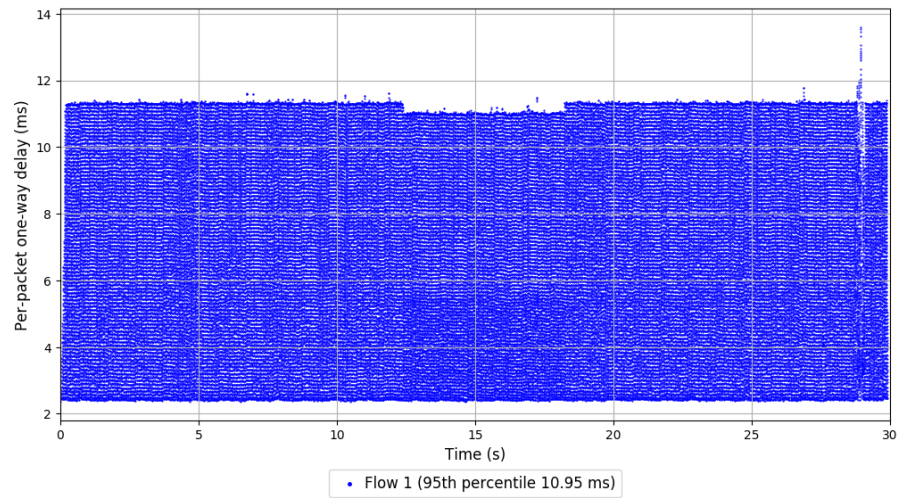
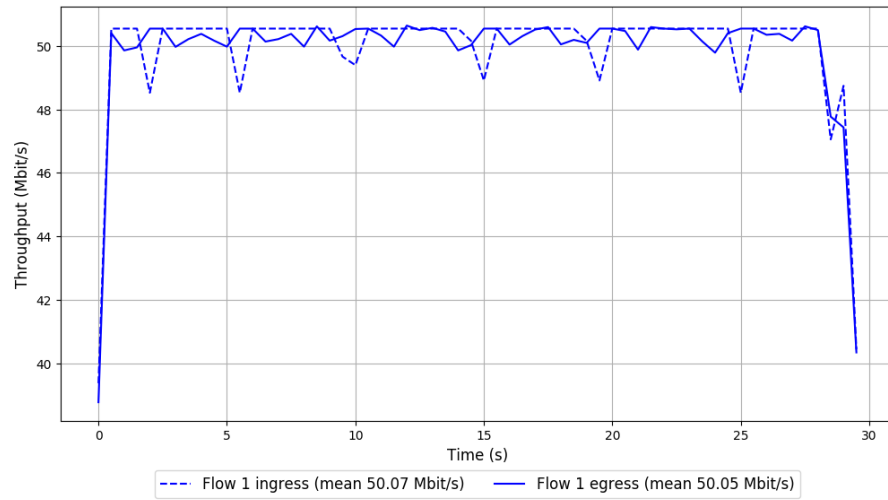


Run 7: Statistics of Sprout

Start at: 2018-02-12 23:47:13
End at: 2018-02-12 23:47:43
Local clock offset: -4.403 ms
Remote clock offset: -5.042 ms

Below is generated by plot.py at 2018-02-13 04:39:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 10.951 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 10.951 ms
Loss rate: 0.05%

Run 7: Report of Sprout — Data Link

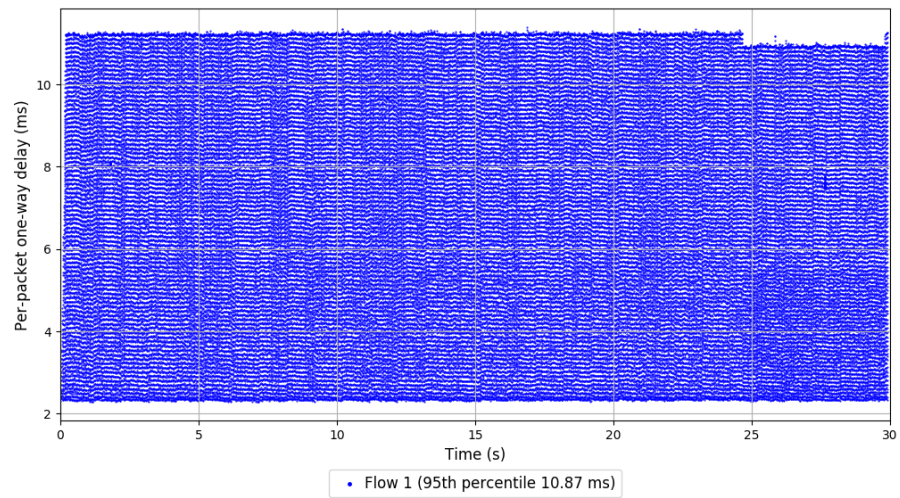
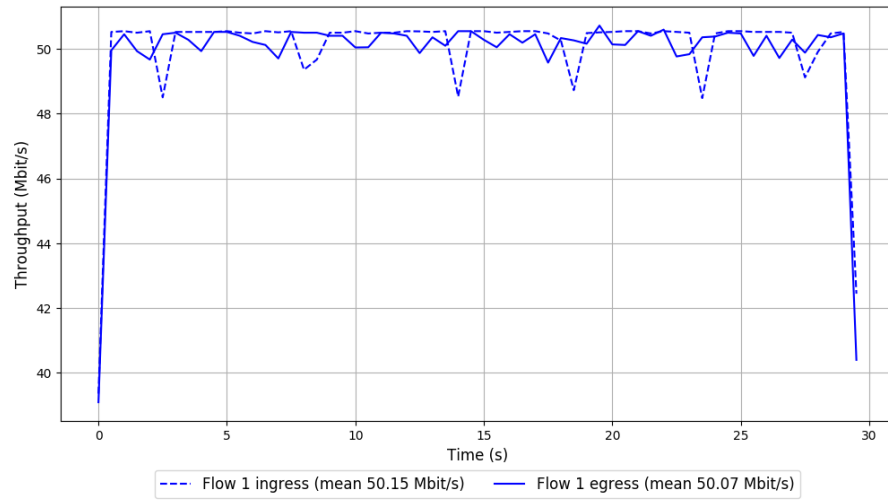


Run 8: Statistics of Sprout

Start at: 2018-02-13 00:07:16
End at: 2018-02-13 00:07:46
Local clock offset: -4.819 ms
Remote clock offset: -5.083 ms

Below is generated by plot.py at 2018-02-13 04:40:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 10.872 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 10.872 ms
Loss rate: 0.18%

Run 8: Report of Sprout — Data Link

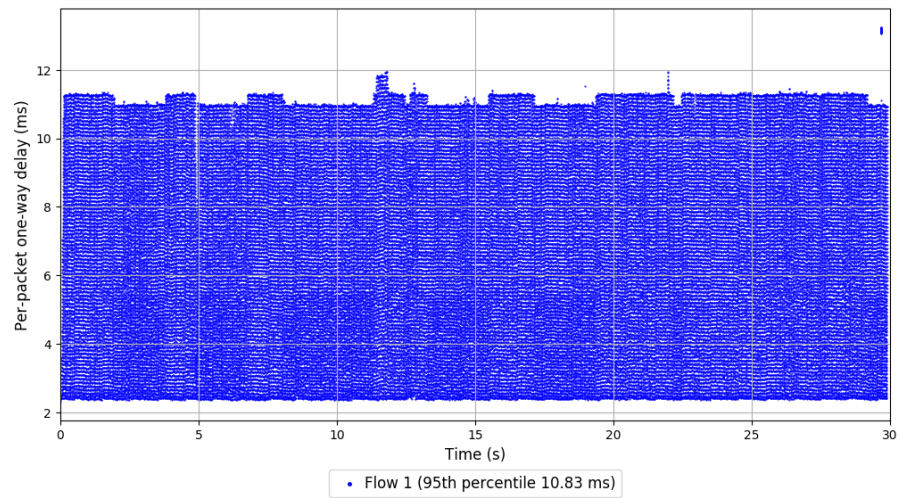
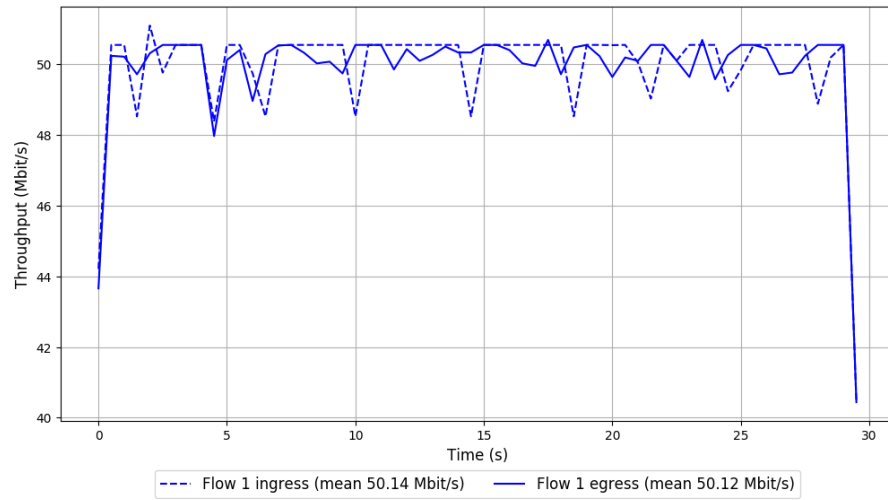


Run 9: Statistics of Sprout

Start at: 2018-02-13 00:27:23
End at: 2018-02-13 00:27:53
Local clock offset: -5.199 ms
Remote clock offset: -4.932 ms

Below is generated by plot.py at 2018-02-13 04:40:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 10.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 10.832 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

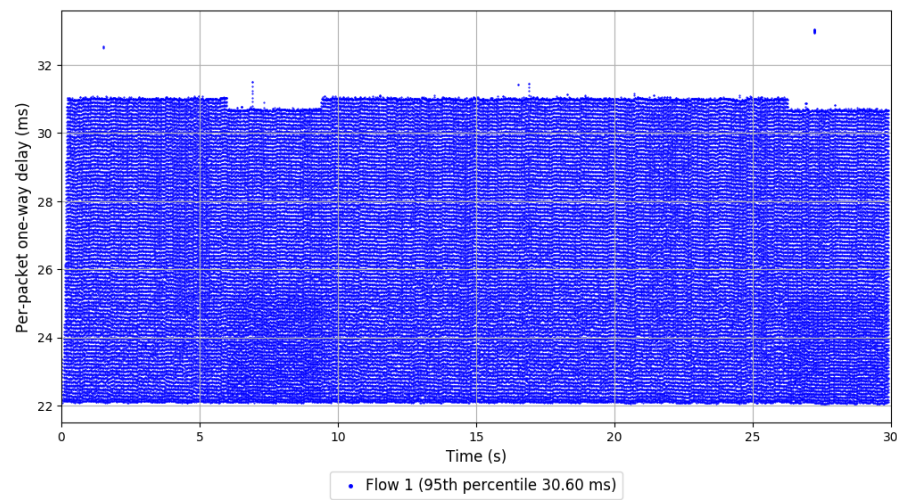
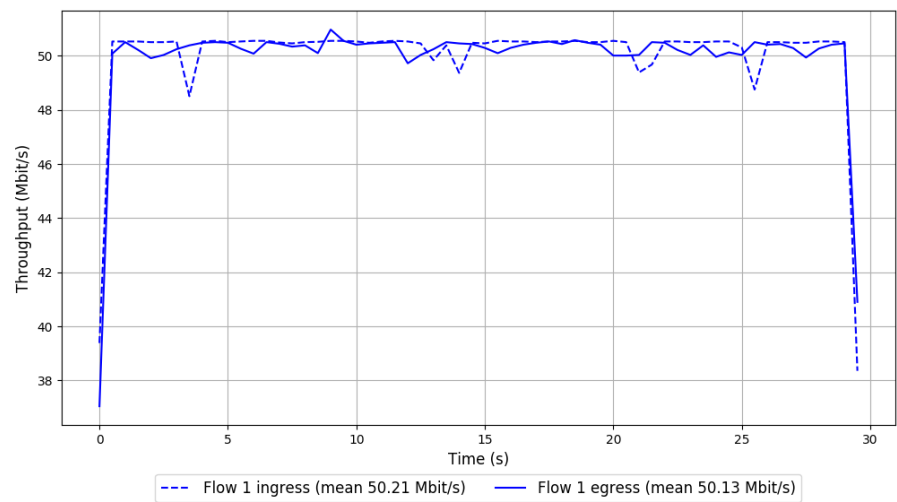


Run 10: Statistics of Sprout

Start at: 2018-02-13 00:47:39
End at: 2018-02-13 00:48:09
Local clock offset: -5.451 ms
Remote clock offset: -24.741 ms

Below is generated by plot.py at 2018-02-13 04:40:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 30.598 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 30.598 ms
Loss rate: 0.12%

Run 10: Report of Sprout — Data Link

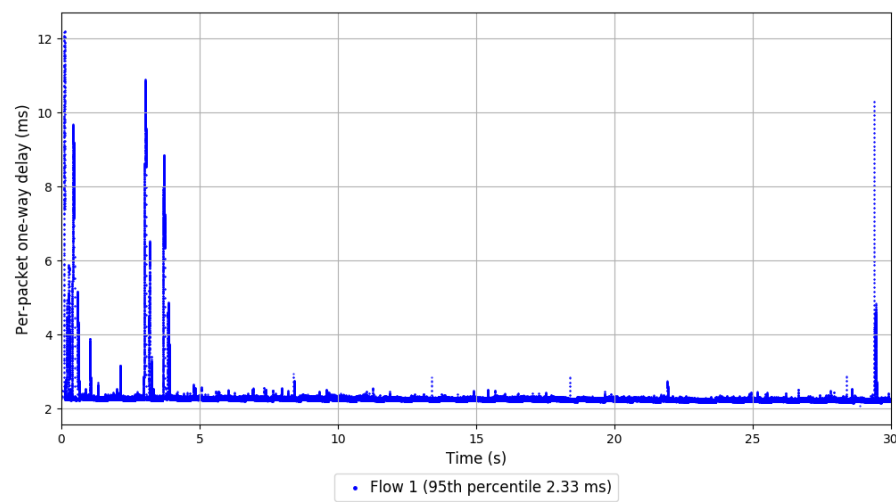
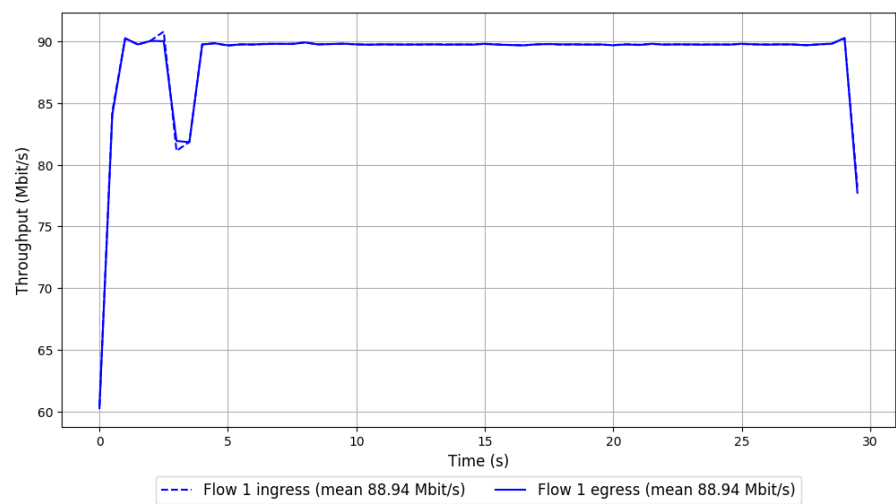


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-12 21:57:05
End at: 2018-02-12 21:57:35
Local clock offset: -4.753 ms
Remote clock offset: -4.538 ms

# Below is generated by plot.py at 2018-02-13 04:41:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.02%
```

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

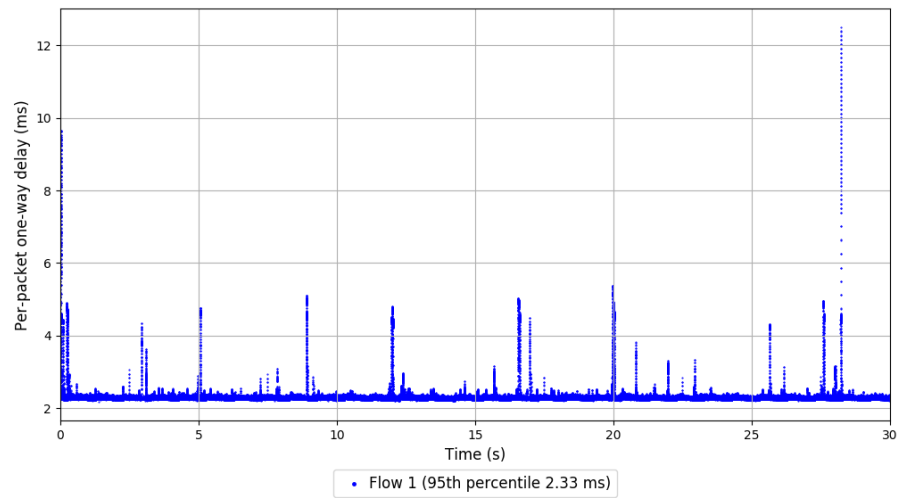
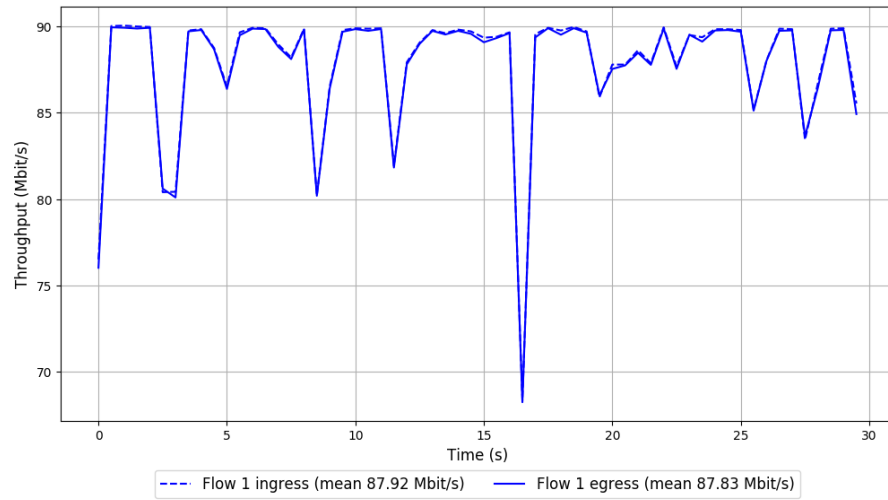


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-12 22:17:05
End at: 2018-02-12 22:17:35
Local clock offset: -4.091 ms
Remote clock offset: -4.811 ms

Below is generated by plot.py at 2018-02-13 04:42:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.12%

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



Run 3: Statistics of TaoVA-100x

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

End at: 2018-02-12 22:37:52

Local clock offset: -4.034 ms

Remote clock offset: -4.604 ms

Below is generated by plot.py at 2018-02-13 04:42:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 2.383 ms

Loss rate: 0.02%

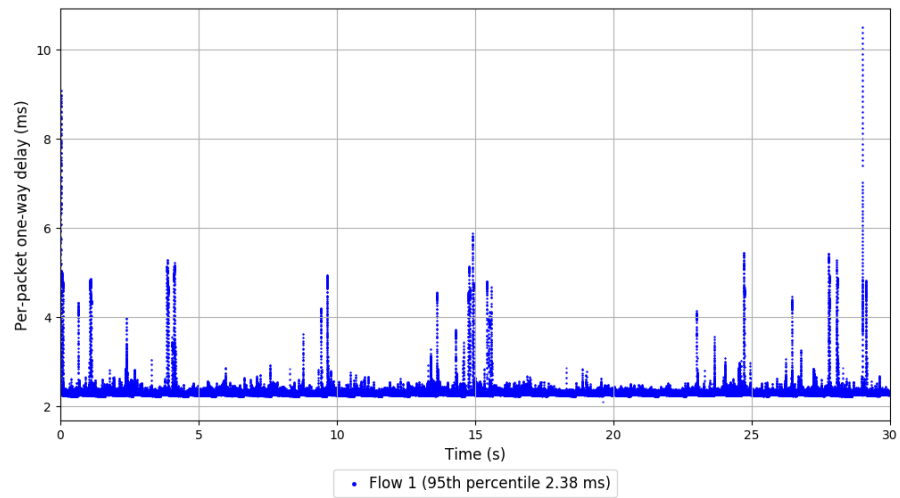
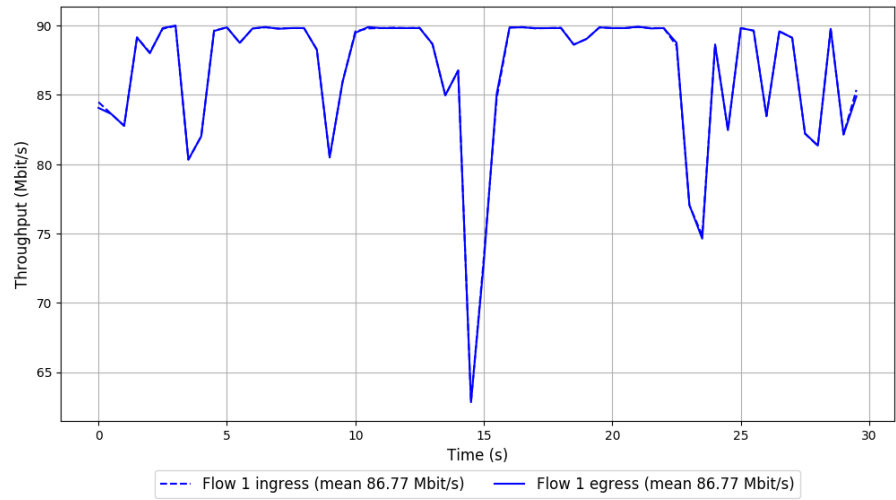
-- Flow 1:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 2.383 ms

Loss rate: 0.02%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-12 22:57:37

End at: 2018-02-12 22:58:07

Local clock offset: -3.97 ms

Remote clock offset: -4.439 ms

Below is generated by plot.py at 2018-02-13 04:42:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 2.337 ms

Loss rate: 0.02%

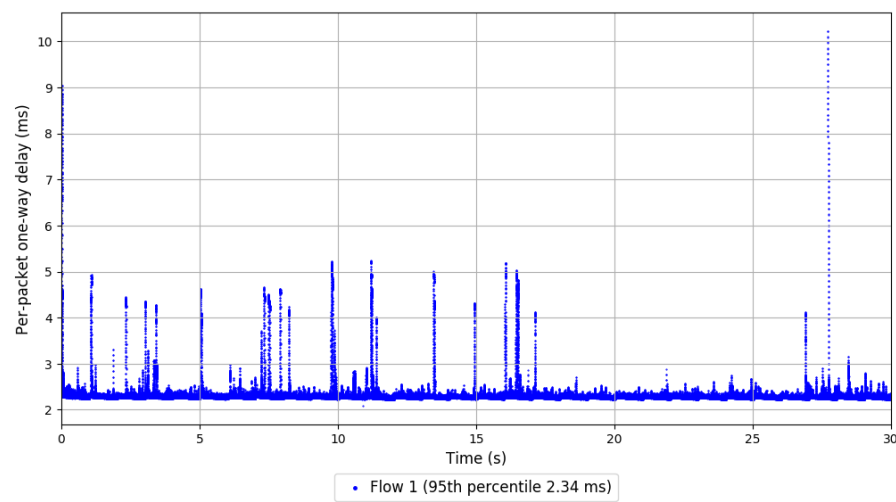
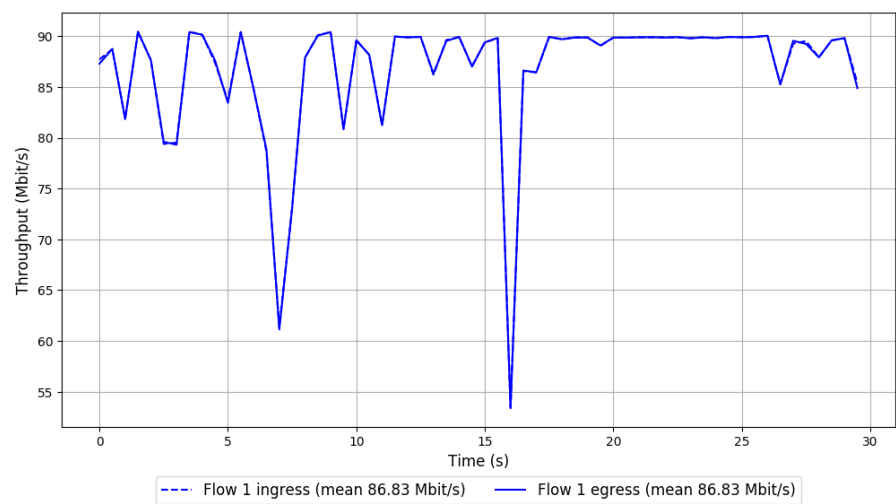
-- Flow 1:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 2.337 ms

Loss rate: 0.02%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-12 23:17:54

End at: 2018-02-12 23:18:24

Local clock offset: -3.925 ms

Remote clock offset: -4.541 ms

Below is generated by plot.py at 2018-02-13 04:42:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.38 Mbit/s

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

Loss rate: 0.05%

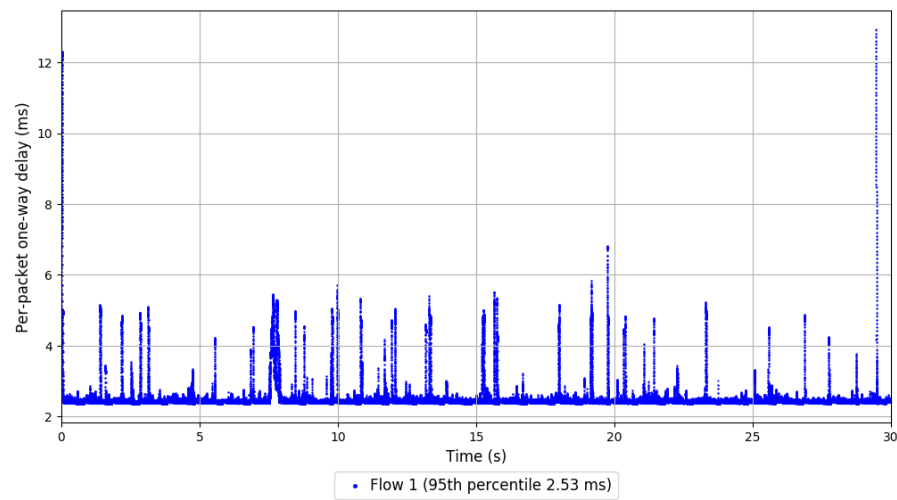
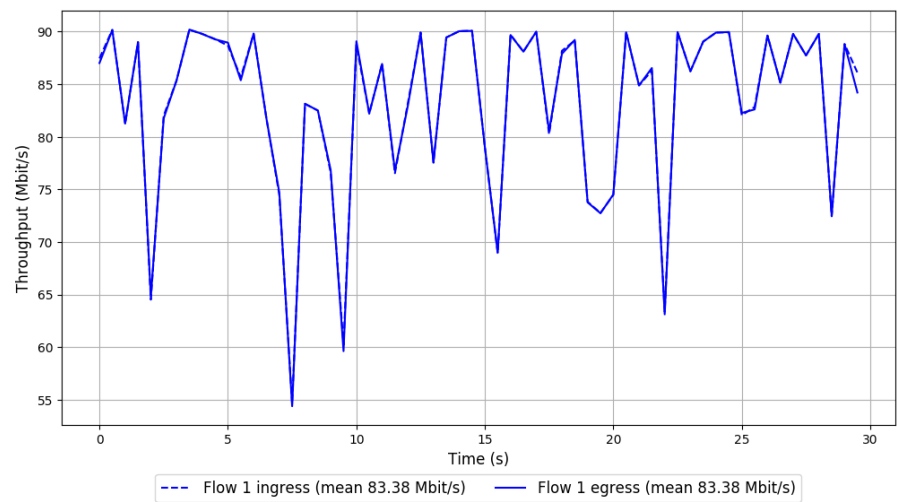
-- Flow 1:

Average throughput: 83.38 Mbit/s

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

Loss rate: 0.05%

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

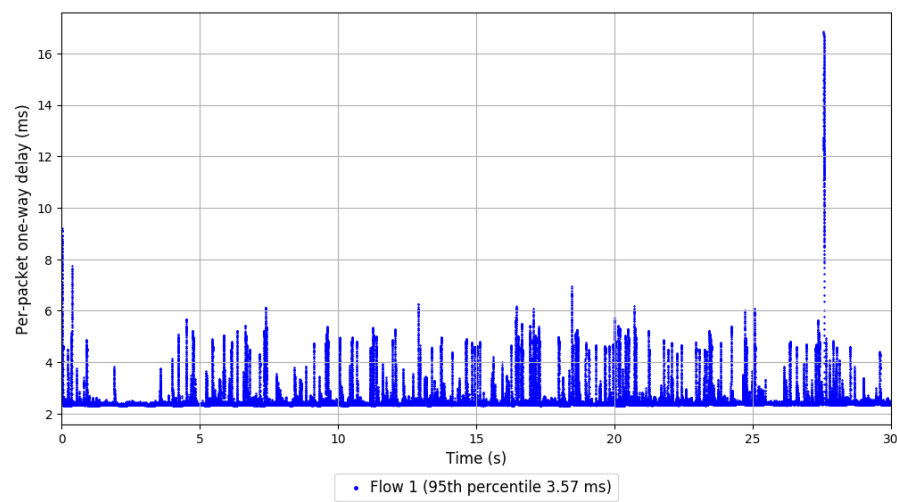
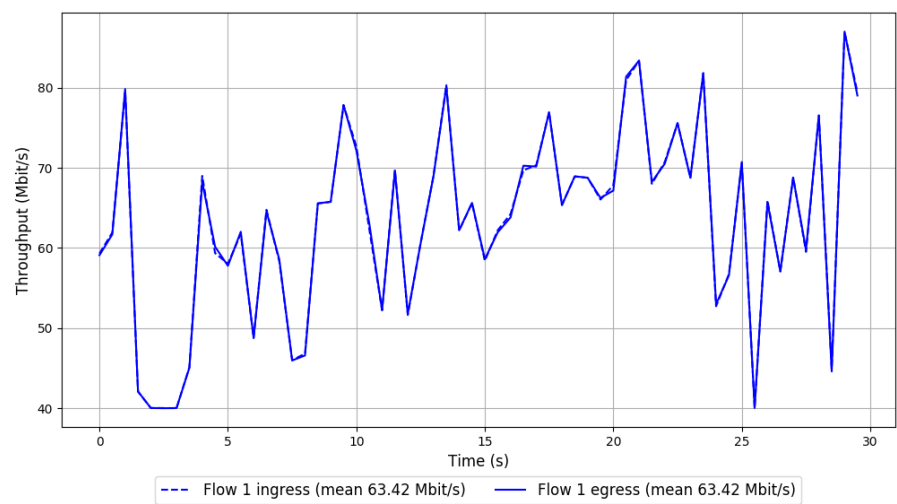


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-12 23:38:10
End at: 2018-02-12 23:38:40
Local clock offset: -3.997 ms
Remote clock offset: -4.906 ms

Below is generated by plot.py at 2018-02-13 04:42:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 3.572 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 3.572 ms
Loss rate: 0.02%

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



Run 7: Statistics of TaoVA-100x

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

End at: 2018-02-12 23:58:53

Local clock offset: -4.615 ms

Remote clock offset: -5.18 ms

Below is generated by plot.py at 2018-02-13 04:42:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.84 Mbit/s

95th percentile per-packet one-way delay: 2.676 ms

Loss rate: 0.03%

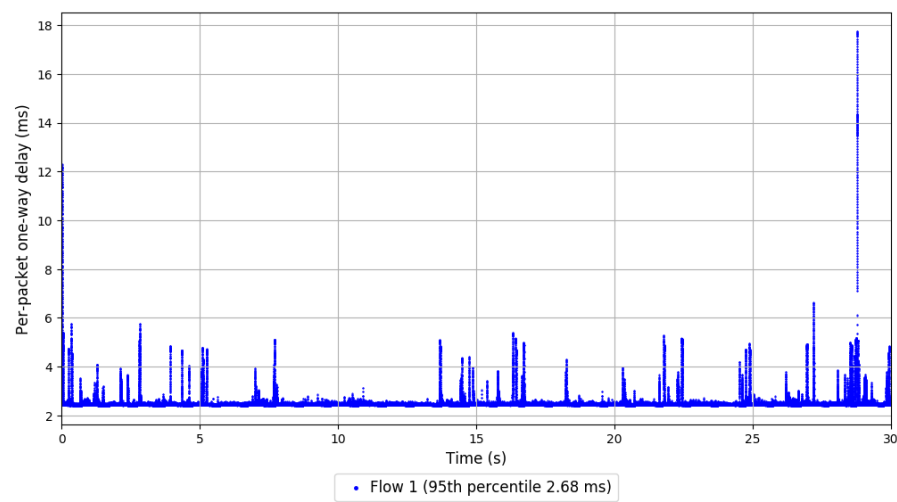
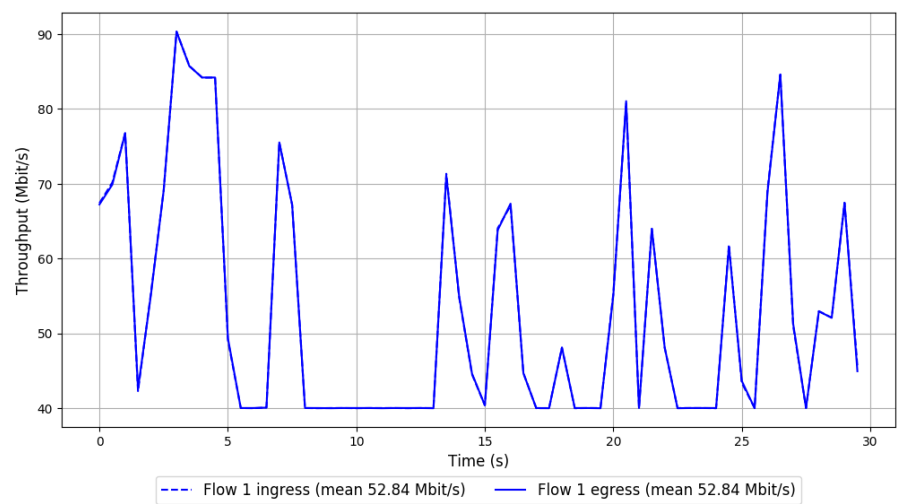
-- Flow 1:

Average throughput: 52.84 Mbit/s

95th percentile per-packet one-way delay: 2.676 ms

Loss rate: 0.03%

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

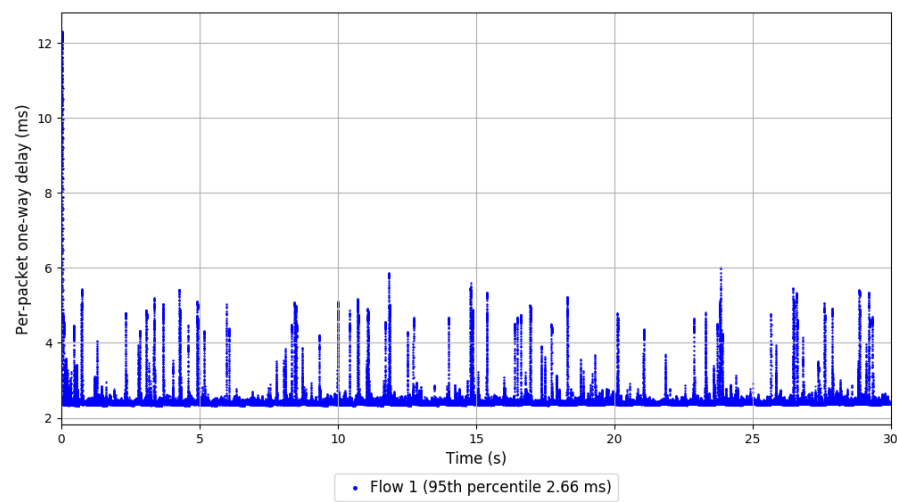
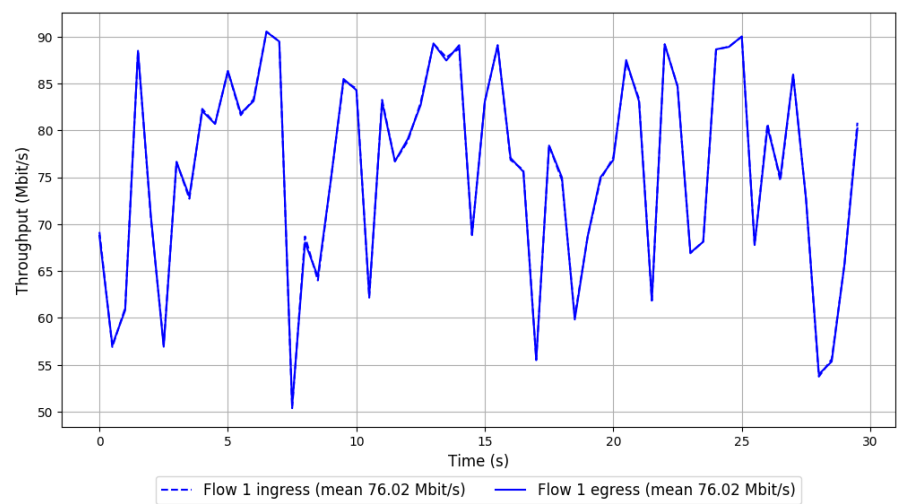


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-13 00:18:29
End at: 2018-02-13 00:18:59
Local clock offset: -5.053 ms
Remote clock offset: -4.995 ms

Below is generated by plot.py at 2018-02-13 04:42:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 2.657 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 2.657 ms
Loss rate: 0.02%

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

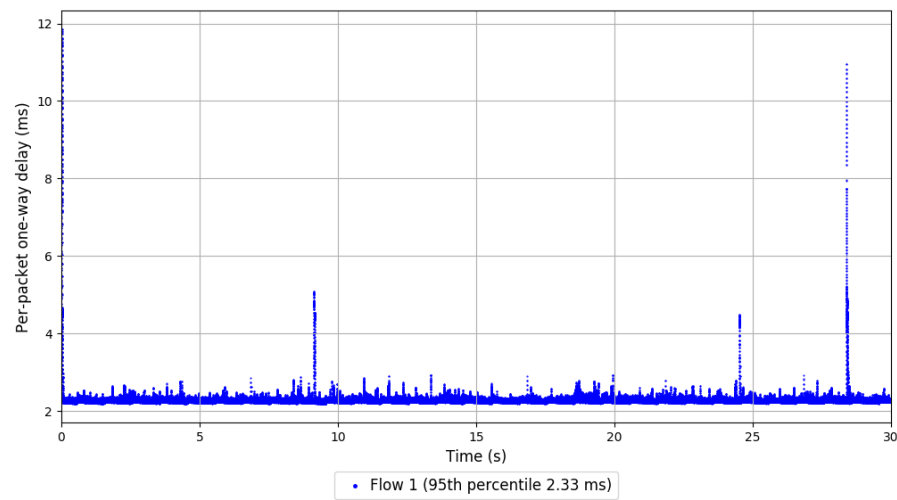
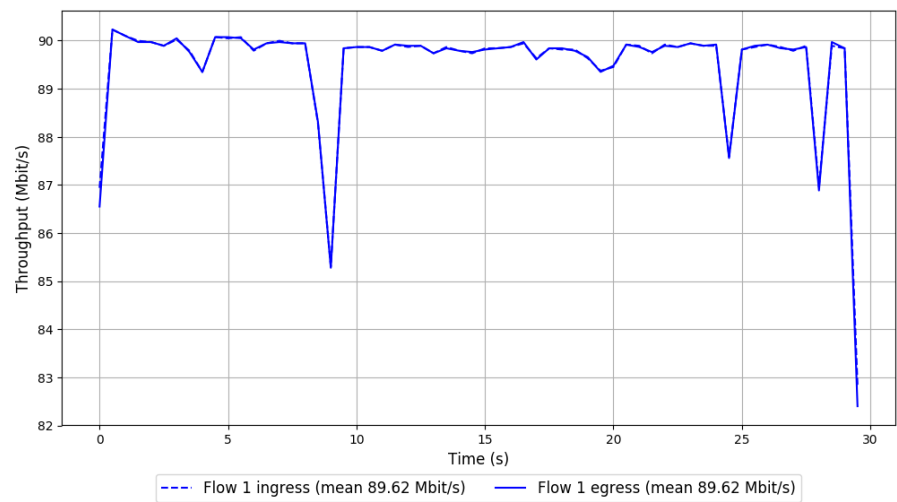


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-13 00:38:35
End at: 2018-02-13 00:39:05
Local clock offset: -5.452 ms
Remote clock offset: -4.908 ms

Below is generated by plot.py at 2018-02-13 04:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 2.329 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 2.329 ms
Loss rate: 0.02%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-13 00:58:55

End at: 2018-02-13 00:59:25

Local clock offset: -5.2 ms

Remote clock offset: -25.508 ms

Below is generated by plot.py at 2018-02-13 04:44:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.03 Mbit/s

95th percentile per-packet one-way delay: 22.976 ms

Loss rate: 0.02%

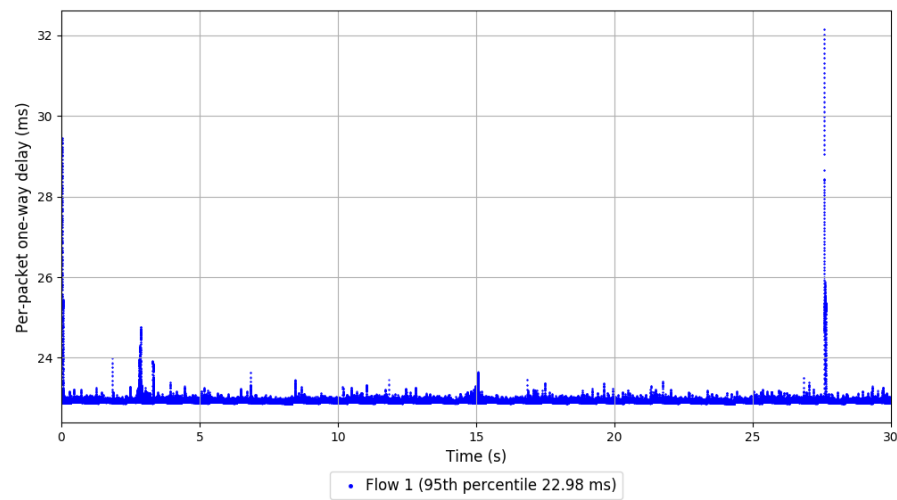
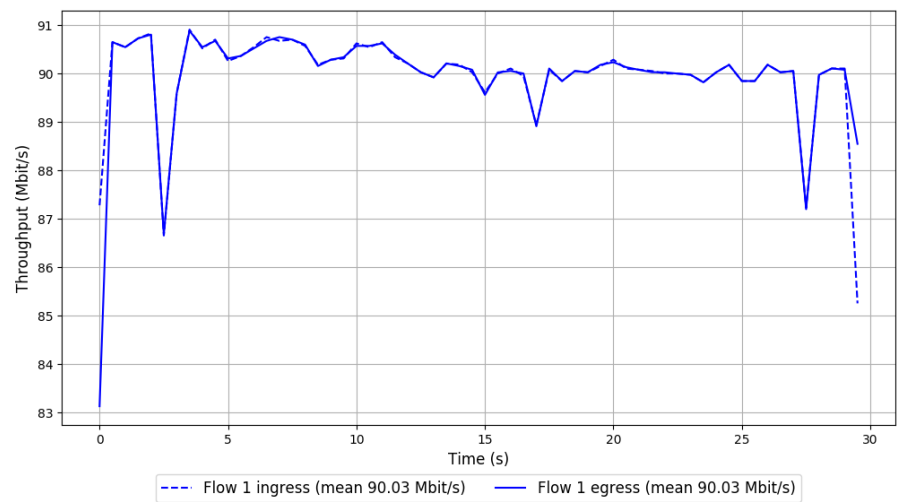
-- Flow 1:

Average throughput: 90.03 Mbit/s

95th percentile per-packet one-way delay: 22.976 ms

Loss rate: 0.02%

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

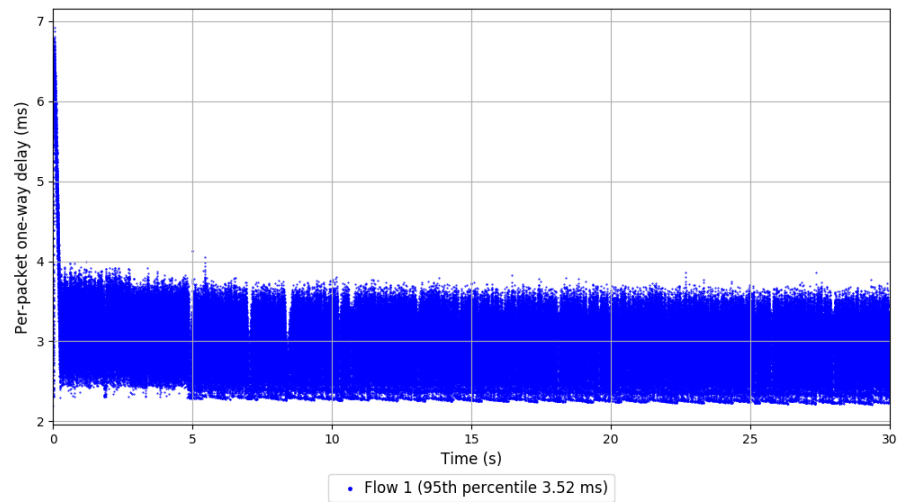
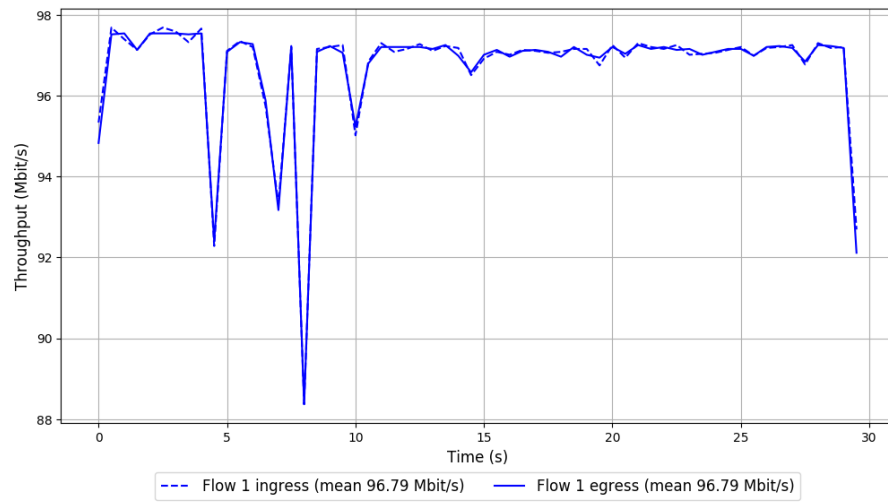


Run 1: Statistics of TCP Vegas

Start at: 2018-02-12 21:54:49
End at: 2018-02-12 21:55:19
Local clock offset: -4.805 ms
Remote clock offset: -4.297 ms

Below is generated by plot.py at 2018-02-13 04:44:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 3.515 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 3.515 ms
Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link

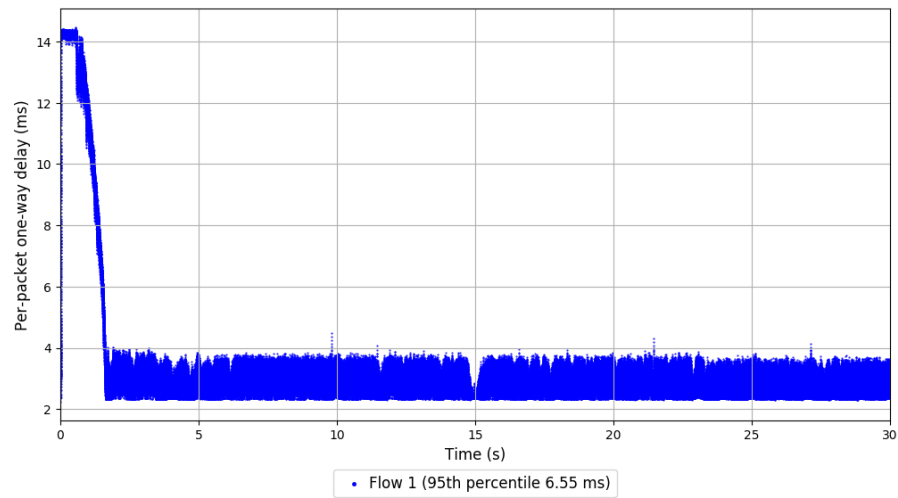
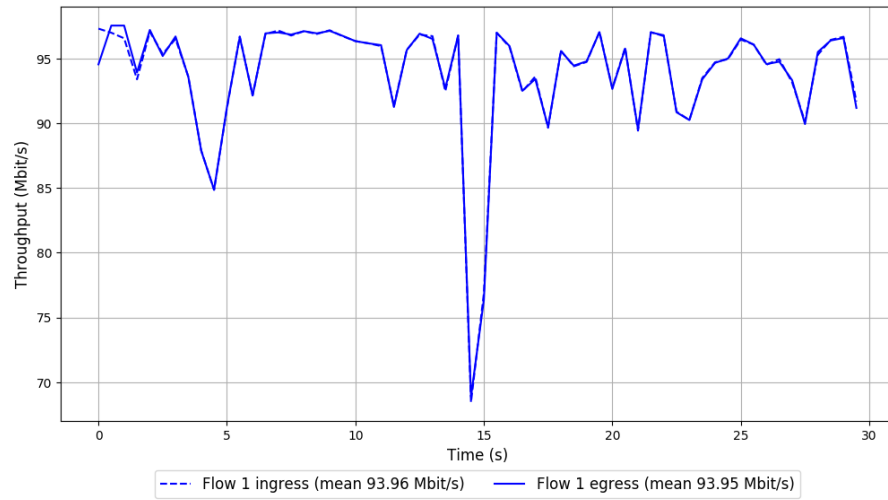


Run 2: Statistics of TCP Vegas

Start at: 2018-02-12 22:14:49
End at: 2018-02-12 22:15:19
Local clock offset: -4.029 ms
Remote clock offset: -4.811 ms

Below is generated by plot.py at 2018-02-13 04:44:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 6.546 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 6.546 ms
Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link

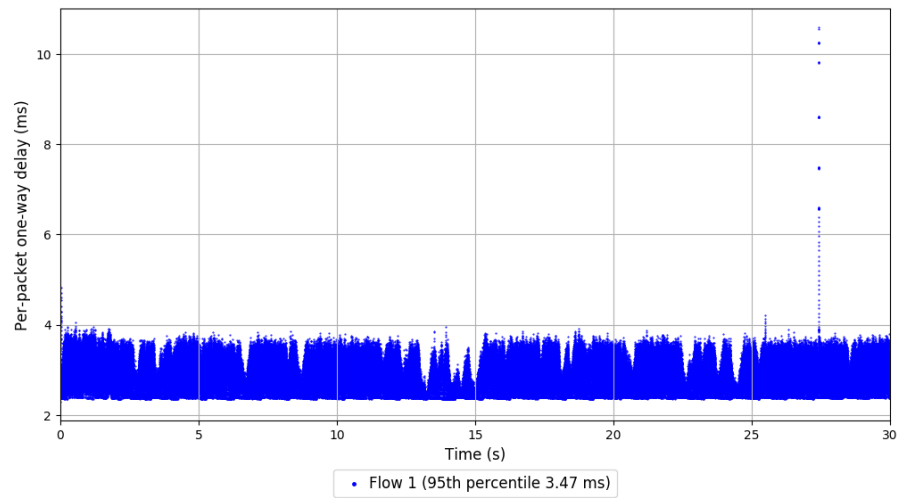
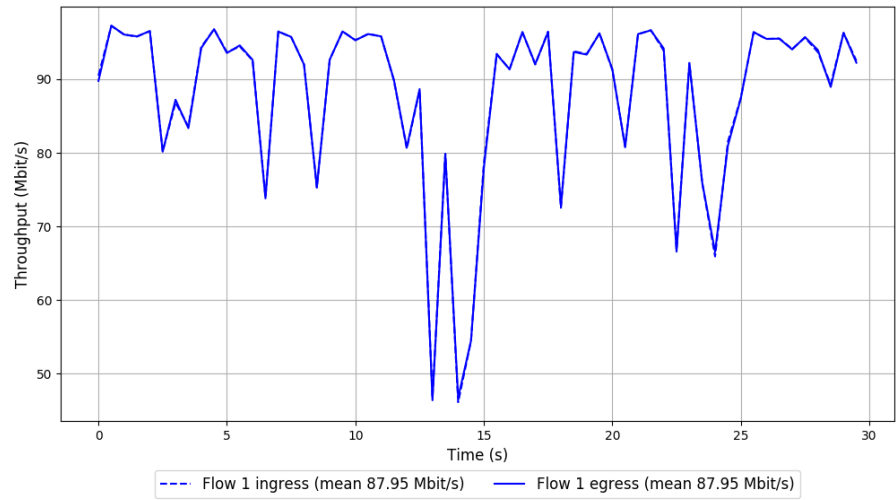


Run 3: Statistics of TCP Vegas

Start at: 2018-02-12 22:35:06
End at: 2018-02-12 22:35:36
Local clock offset: -3.945 ms
Remote clock offset: -4.684 ms

Below is generated by plot.py at 2018-02-13 04:44:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 3.466 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 3.466 ms
Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link

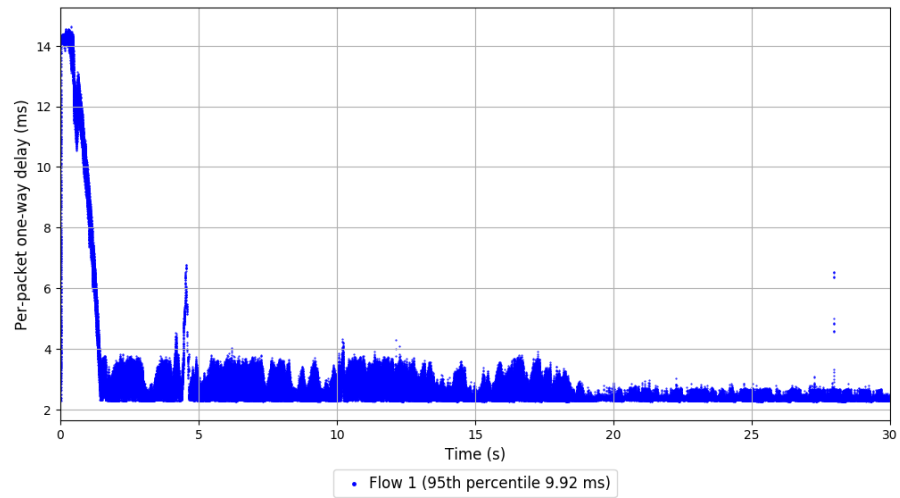
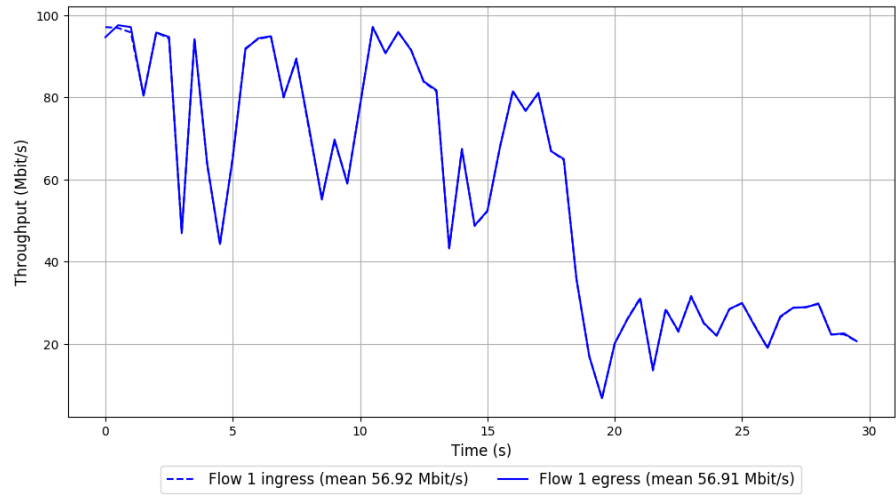


Run 4: Statistics of TCP Vegas

Start at: 2018-02-12 22:55:24
End at: 2018-02-12 22:55:54
Local clock offset: -3.934 ms
Remote clock offset: -4.389 ms

Below is generated by plot.py at 2018-02-13 04:44:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 9.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 9.921 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

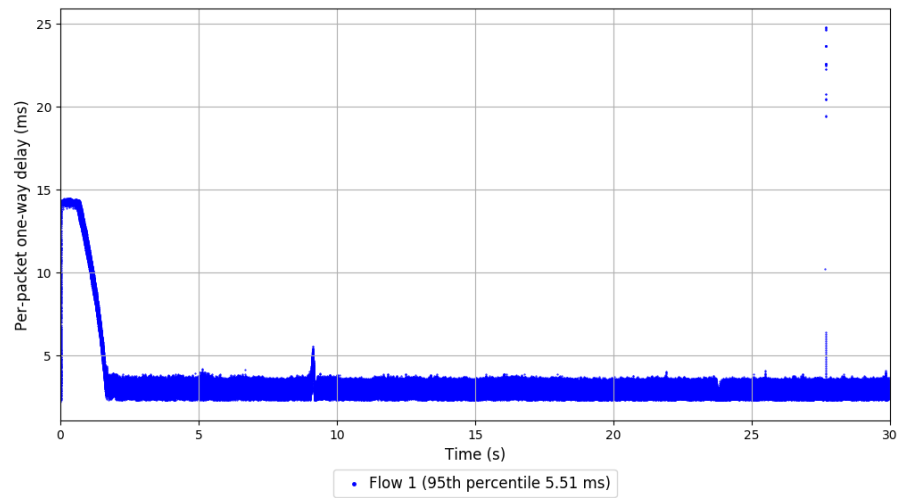
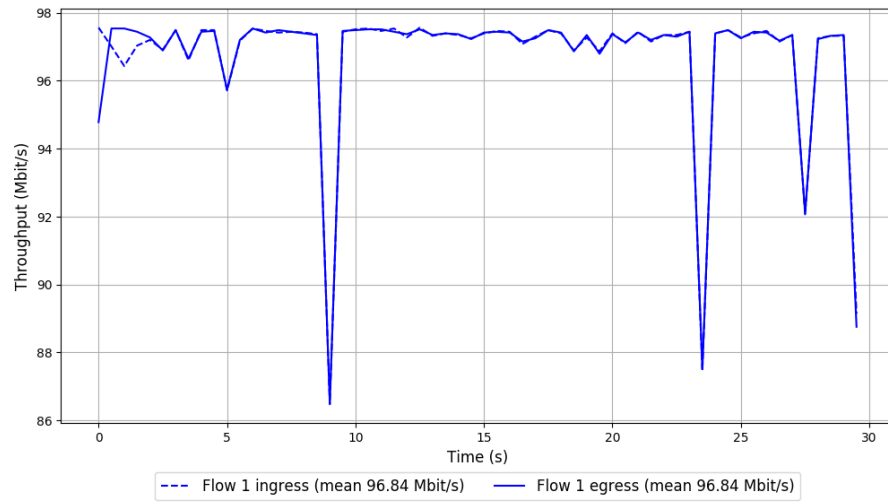


Run 5: Statistics of TCP Vegas

Start at: 2018-02-12 23:15:38
End at: 2018-02-12 23:16:08
Local clock offset: -3.959 ms
Remote clock offset: -4.496 ms

Below is generated by plot.py at 2018-02-13 04:44:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 5.515 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 5.515 ms
Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link

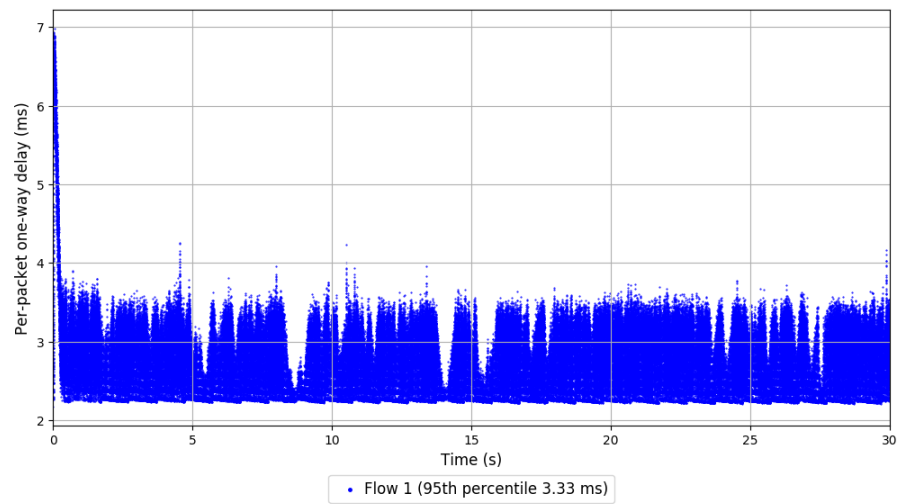
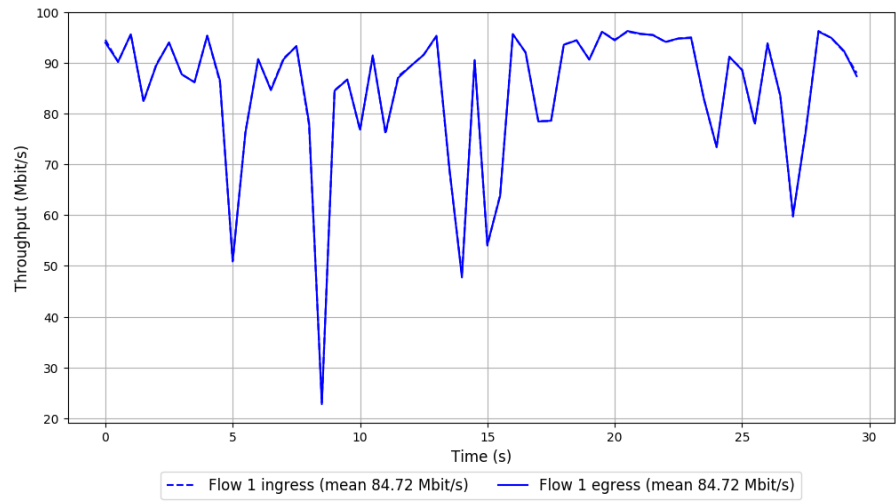


Run 6: Statistics of TCP Vegas

Start at: 2018-02-12 23:35:54
End at: 2018-02-12 23:36:24
Local clock offset: -3.951 ms
Remote clock offset: -4.756 ms

Below is generated by plot.py at 2018-02-13 04:44:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 3.334 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 3.334 ms
Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link

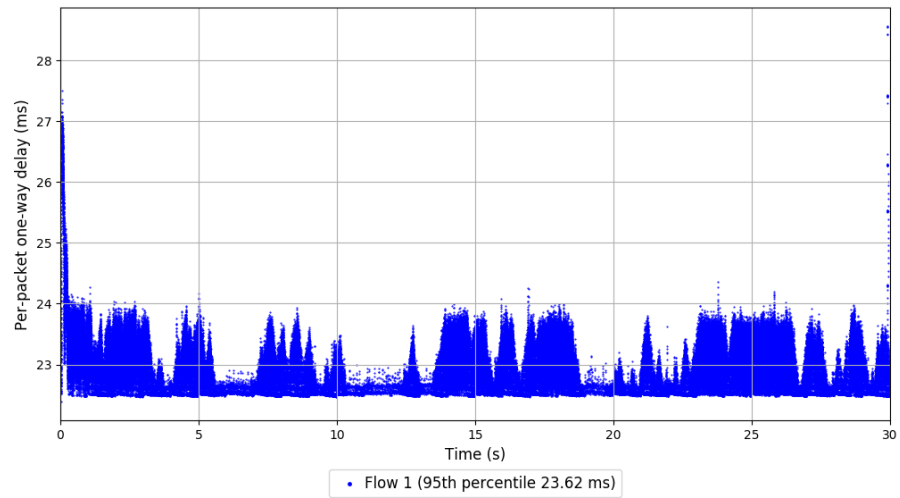
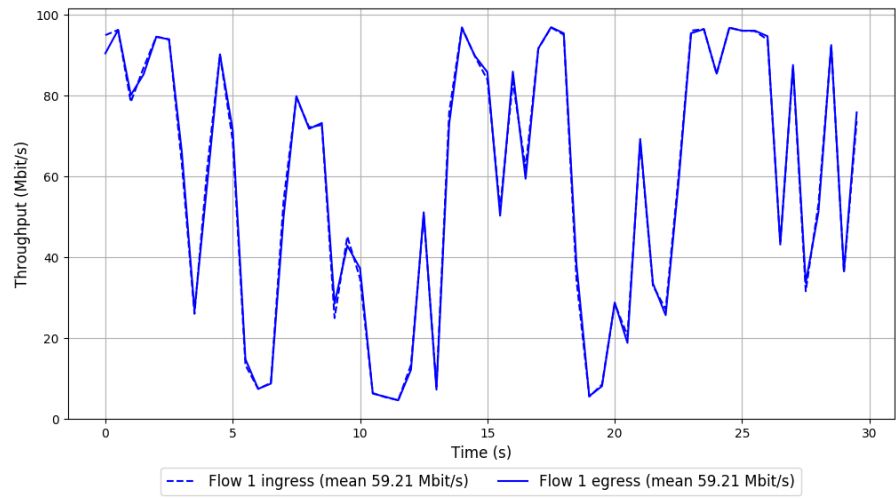


Run 7: Statistics of TCP Vegas

Start at: 2018-02-12 23:56:09
End at: 2018-02-12 23:56:39
Local clock offset: -4.688 ms
Remote clock offset: -25.34 ms

Below is generated by plot.py at 2018-02-13 04:44:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 23.619 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 23.619 ms
Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link

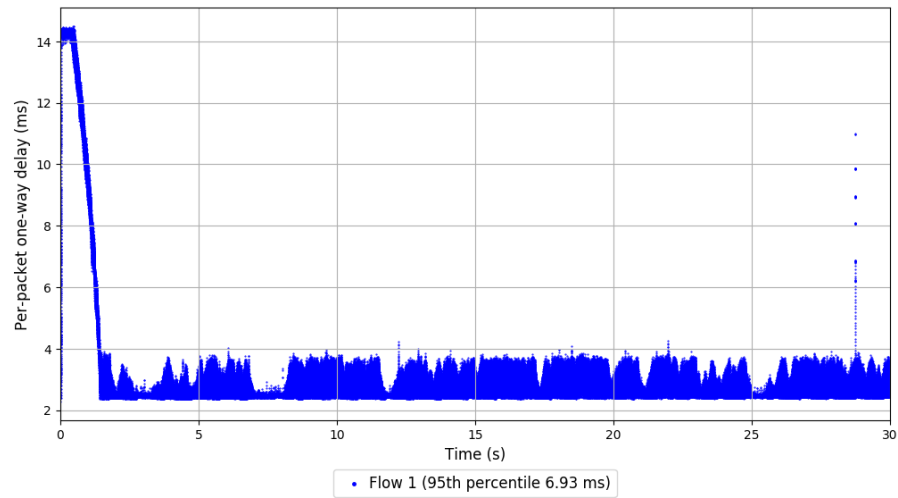
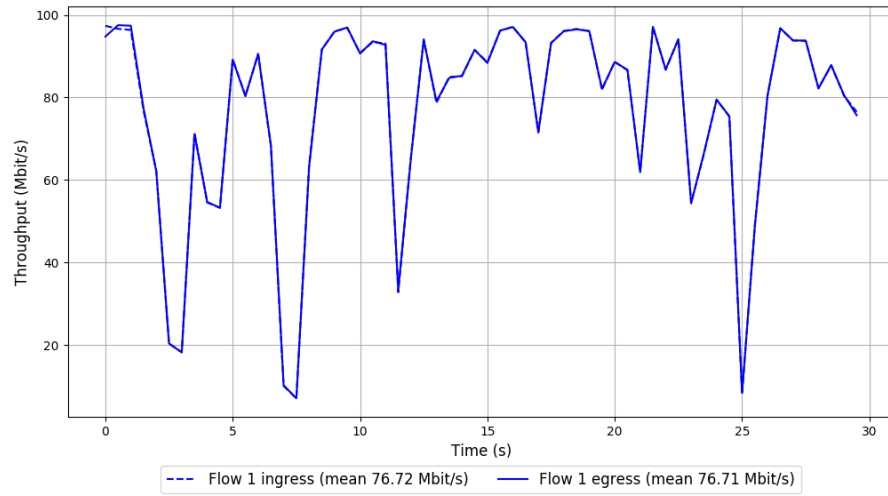


Run 8: Statistics of TCP Vegas

Start at: 2018-02-13 00:16:13
End at: 2018-02-13 00:16:43
Local clock offset: -4.918 ms
Remote clock offset: -4.958 ms

Below is generated by plot.py at 2018-02-13 04:44:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.71 Mbit/s
95th percentile per-packet one-way delay: 6.930 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 76.71 Mbit/s
95th percentile per-packet one-way delay: 6.930 ms
Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link

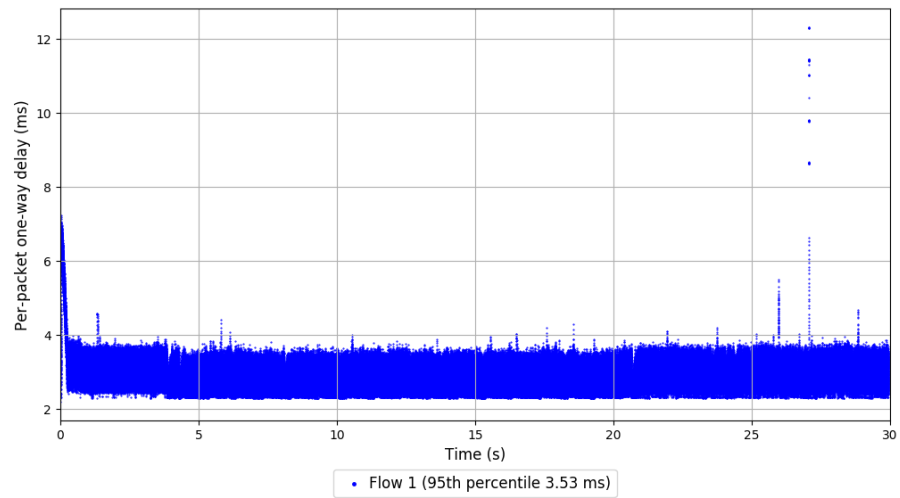
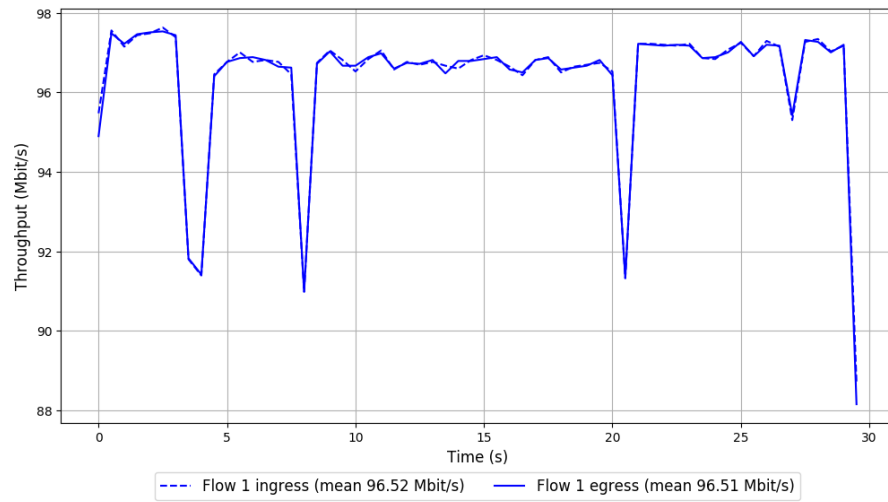


Run 9: Statistics of TCP Vegas

Start at: 2018-02-13 00:36:23
End at: 2018-02-13 00:36:53
Local clock offset: -5.337 ms
Remote clock offset: -4.902 ms

Below is generated by plot.py at 2018-02-13 04:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 3.526 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 3.526 ms
Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link

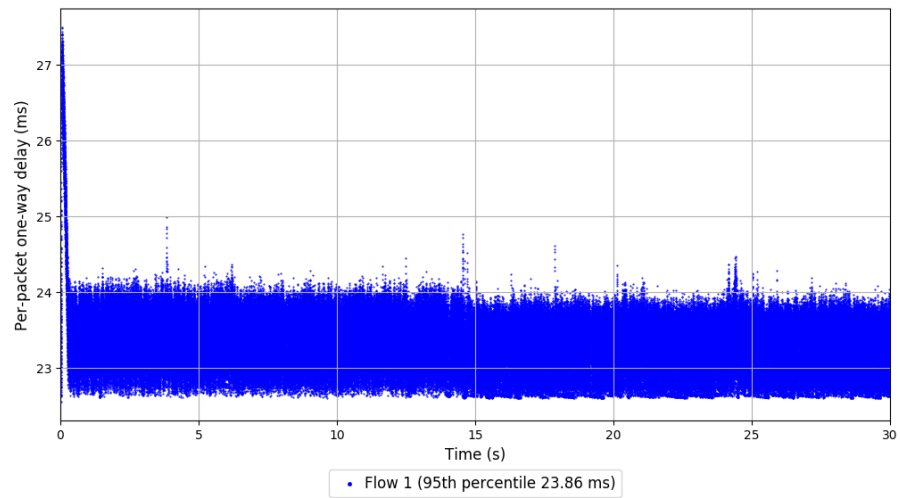
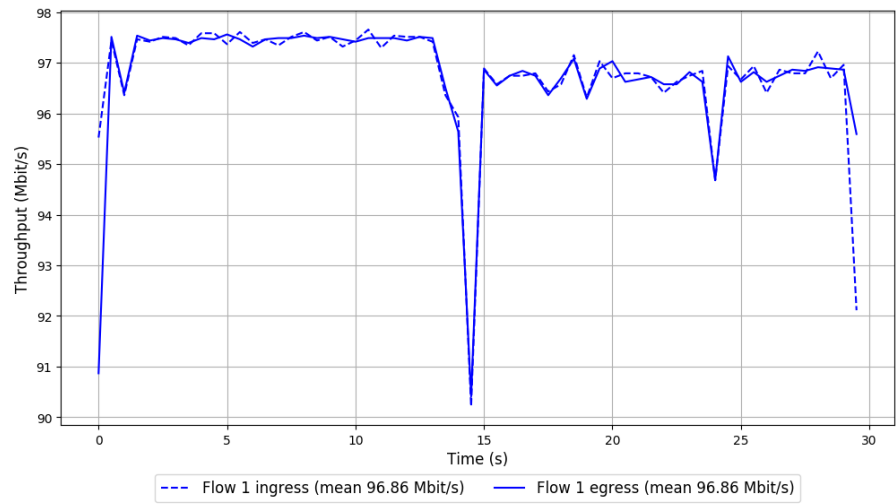


Run 10: Statistics of TCP Vegas

Start at: 2018-02-13 00:56:38
End at: 2018-02-13 00:57:08
Local clock offset: -5.241 ms
Remote clock offset: -25.254 ms

Below is generated by plot.py at 2018-02-13 04:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 23.861 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 23.861 ms
Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-12 21:52:33

End at: 2018-02-12 21:53:03

Local clock offset: -4.813 ms

Remote clock offset: -4.04 ms

Below is generated by plot.py at 2018-02-13 04:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 12.987 ms

Loss rate: 0.05%

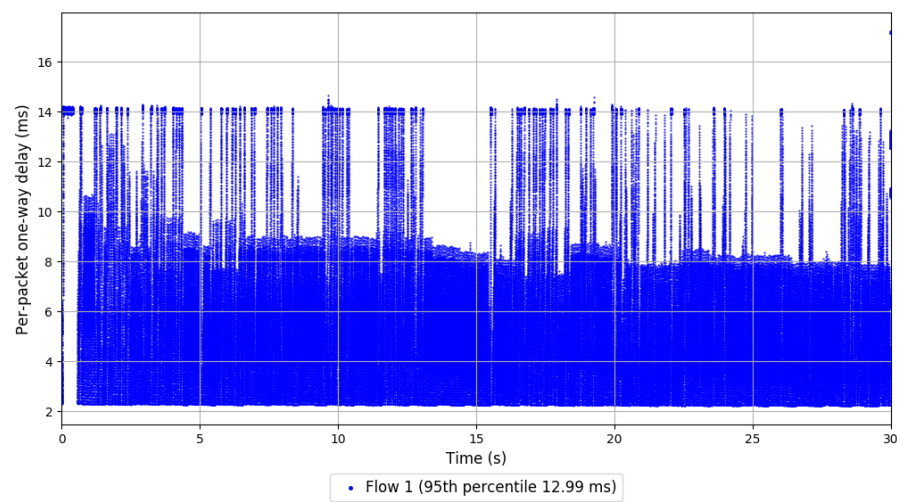
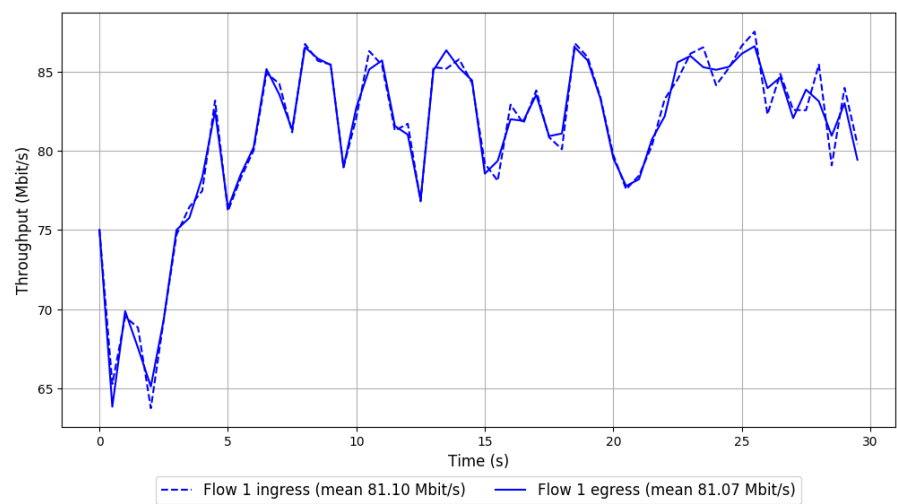
-- Flow 1:

Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 12.987 ms

Loss rate: 0.05%

Run 1: Report of Verus — Data Link

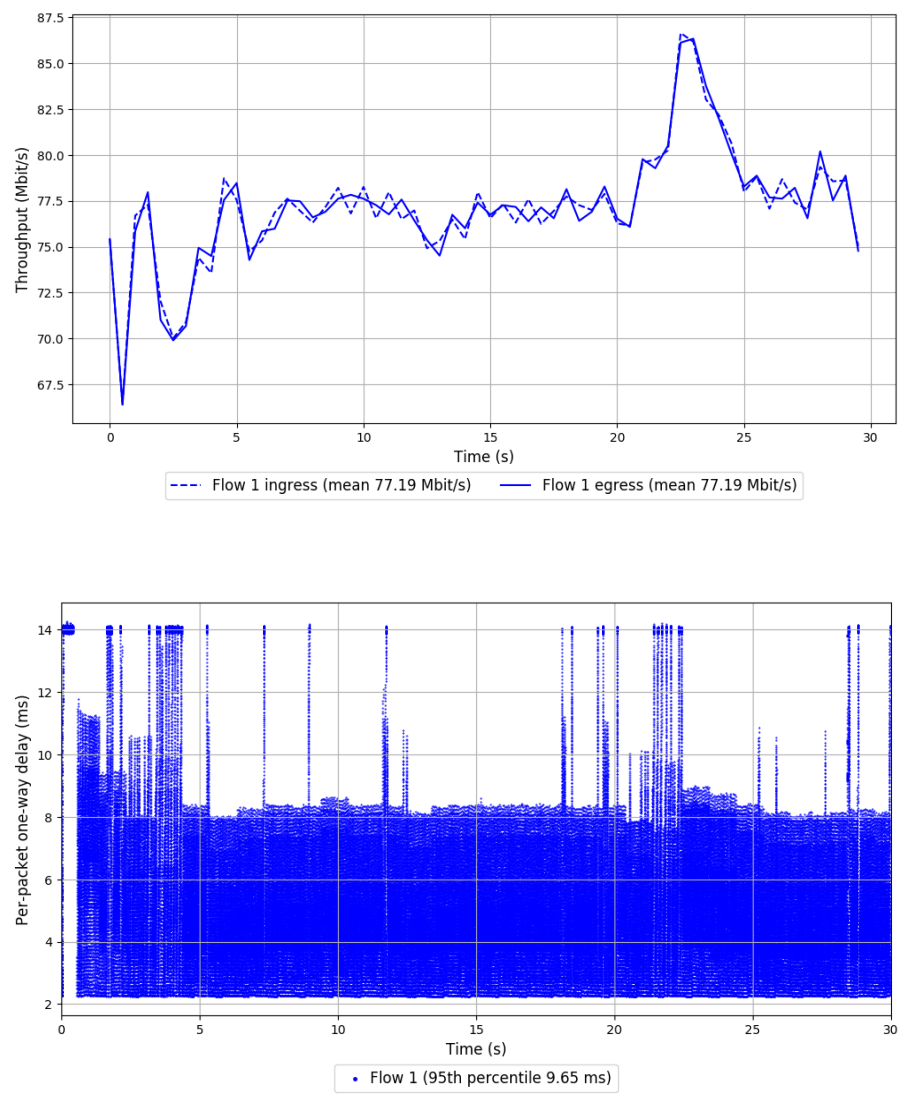


Run 2: Statistics of Verus

Start at: 2018-02-12 22:12:33
End at: 2018-02-12 22:13:03
Local clock offset: -4.146 ms
Remote clock offset: -4.836 ms

Below is generated by plot.py at 2018-02-13 04:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 9.650 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 9.650 ms
Loss rate: 0.02%

Run 2: Report of Verus — Data Link

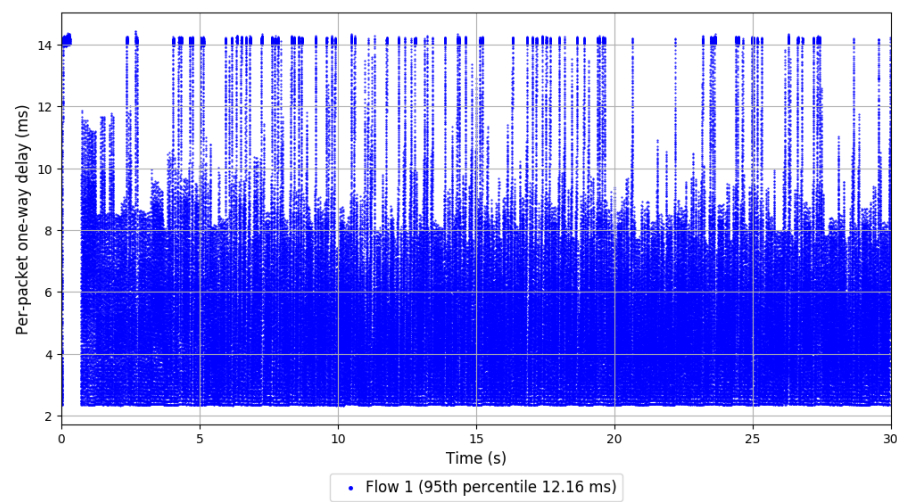
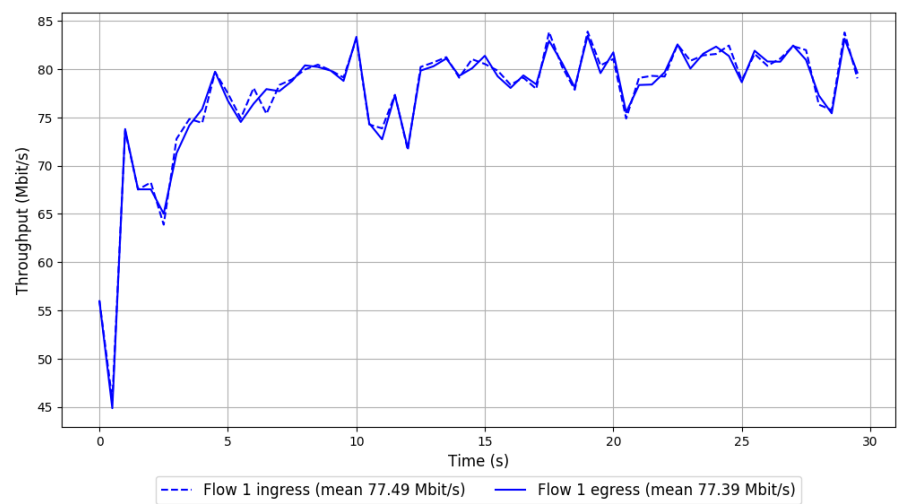


Run 3: Statistics of Verus

Start at: 2018-02-12 22:32:50
End at: 2018-02-12 22:33:20
Local clock offset: -3.916 ms
Remote clock offset: -4.697 ms

Below is generated by plot.py at 2018-02-13 04:44:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 12.162 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 12.162 ms
Loss rate: 0.14%

Run 3: Report of Verus — Data Link

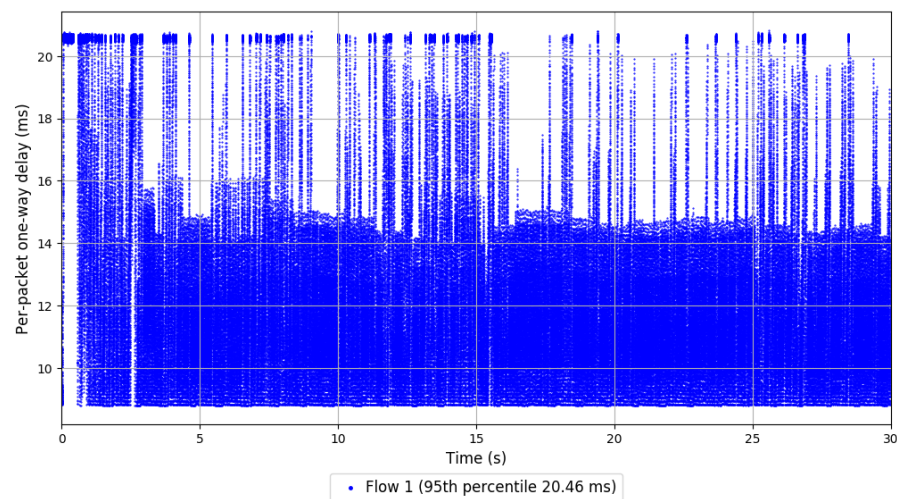
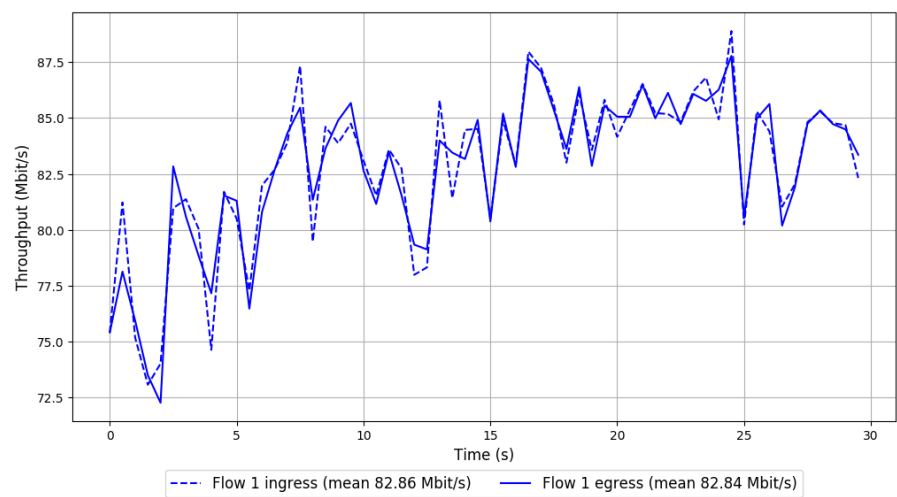


Run 4: Statistics of Verus

Start at: 2018-02-12 22:53:07
End at: 2018-02-12 22:53:37
Local clock offset: -3.929 ms
Remote clock offset: -10.912 ms

Below is generated by plot.py at 2018-02-13 04:45:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 20.459 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 20.459 ms
Loss rate: 0.03%

Run 4: Report of Verus — Data Link

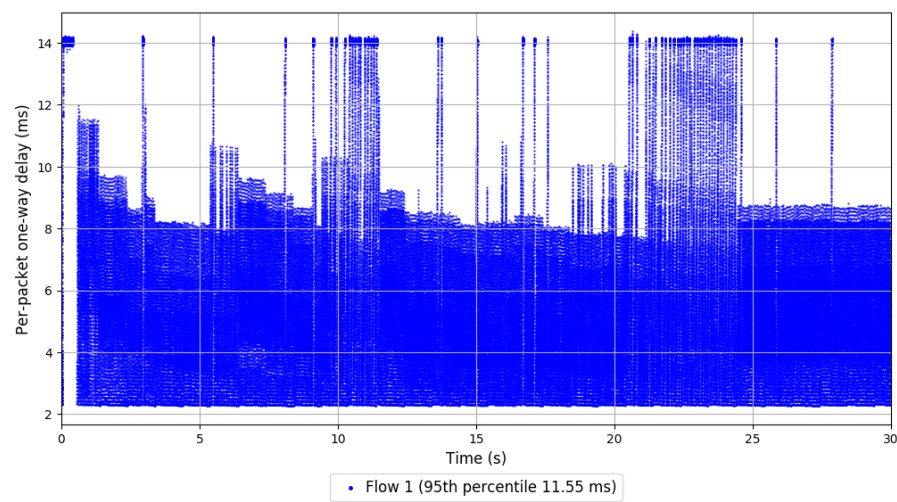
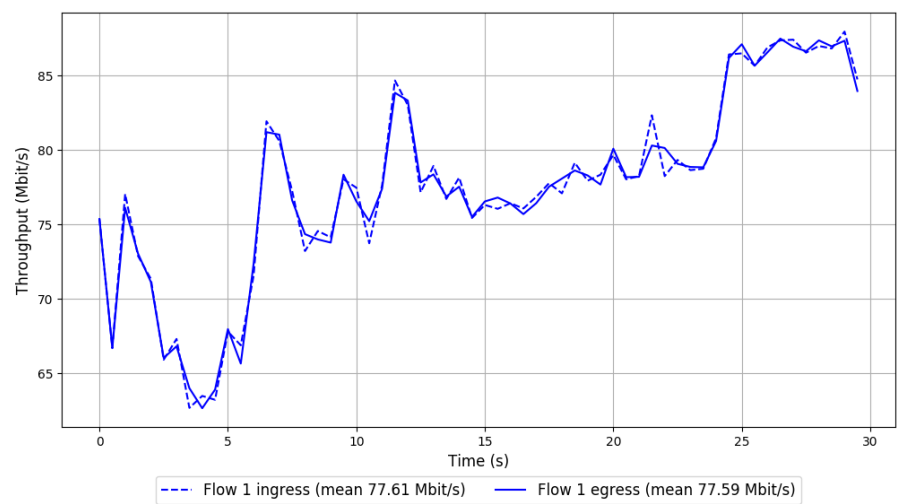


Run 5: Statistics of Verus

Start at: 2018-02-12 23:13:22
End at: 2018-02-12 23:13:52
Local clock offset: -3.957 ms
Remote clock offset: -4.511 ms

Below is generated by plot.py at 2018-02-13 04:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.59 Mbit/s
95th percentile per-packet one-way delay: 11.553 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.59 Mbit/s
95th percentile per-packet one-way delay: 11.553 ms
Loss rate: 0.04%

Run 5: Report of Verus — Data Link

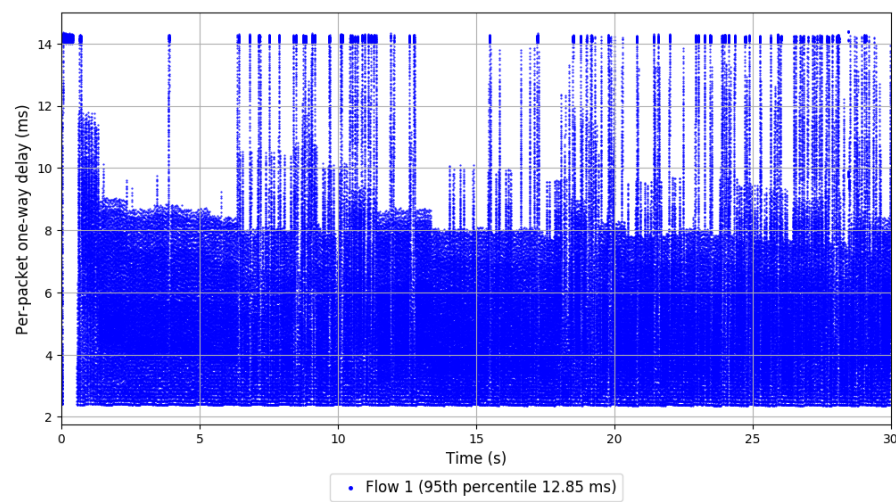
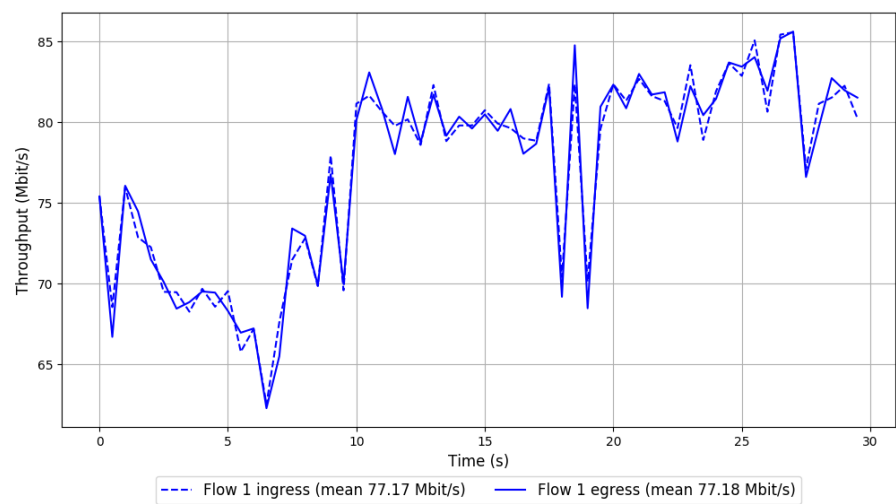


Run 6: Statistics of Verus

Start at: 2018-02-12 23:33:38
End at: 2018-02-12 23:34:08
Local clock offset: -3.881 ms
Remote clock offset: -4.718 ms

Below is generated by plot.py at 2018-02-13 04:45:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 12.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 12.853 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

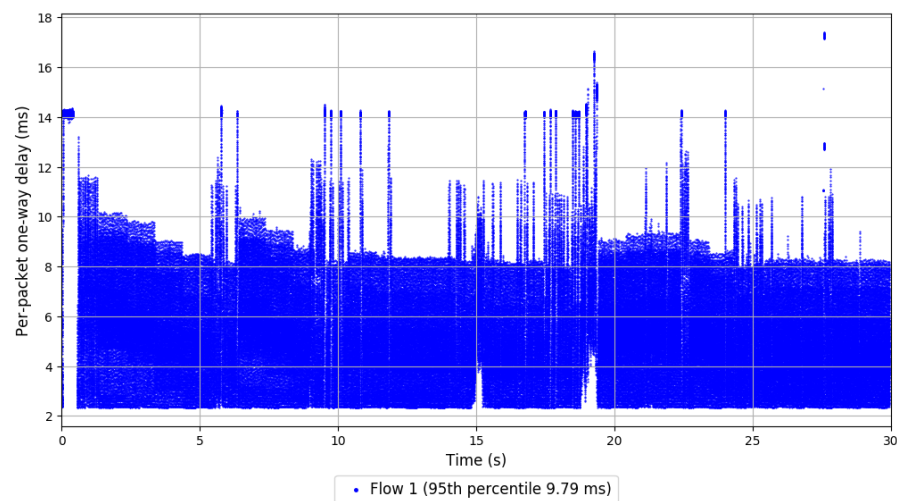
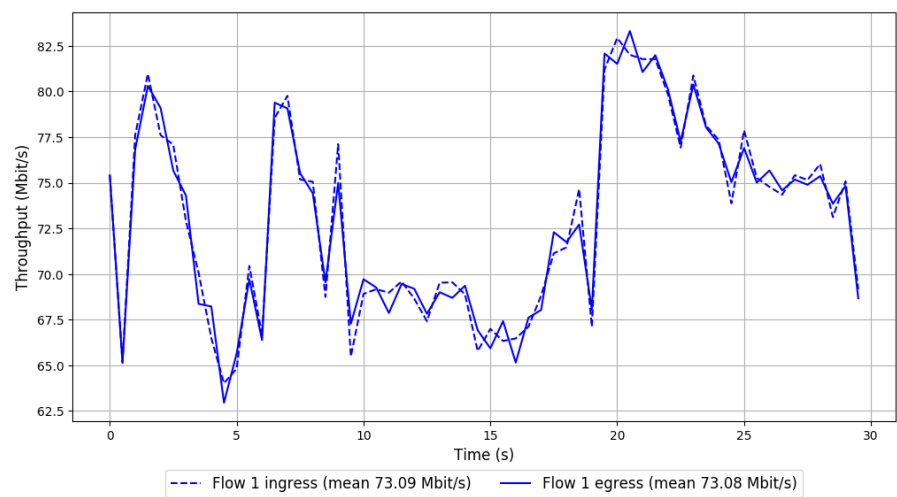


Run 7: Statistics of Verus

Start at: 2018-02-12 23:53:53
End at: 2018-02-12 23:54:23
Local clock offset: -4.572 ms
Remote clock offset: -5.105 ms

Below is generated by plot.py at 2018-02-13 04:45:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.08 Mbit/s
95th percentile per-packet one-way delay: 9.791 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 73.08 Mbit/s
95th percentile per-packet one-way delay: 9.791 ms
Loss rate: 0.03%

Run 7: Report of Verus — Data Link

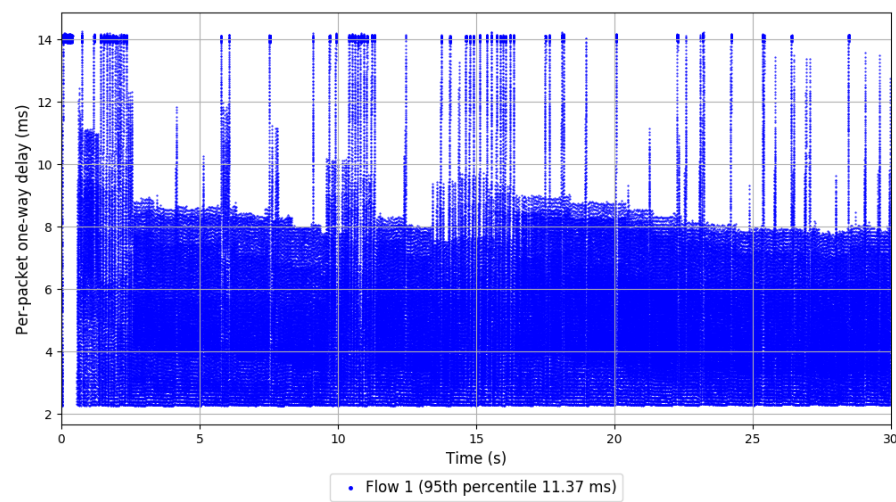
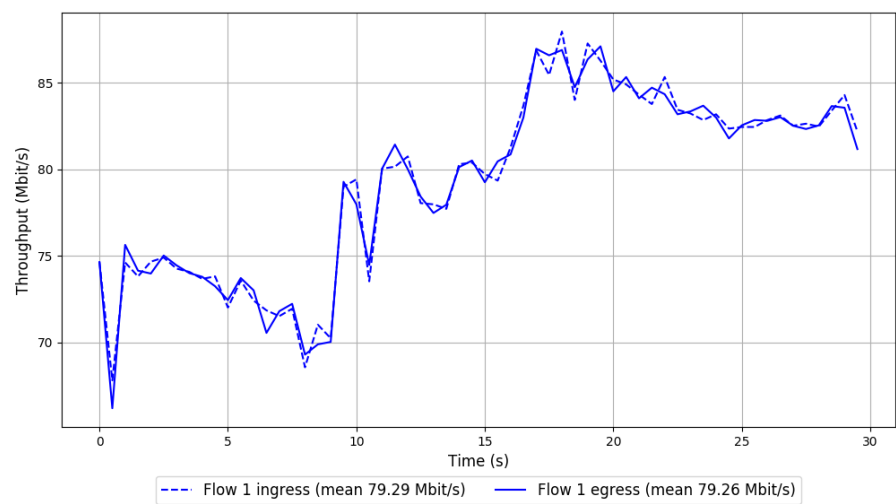


Run 8: Statistics of Verus

Start at: 2018-02-13 00:13:57
End at: 2018-02-13 00:14:27
Local clock offset: -4.94 ms
Remote clock offset: -4.984 ms

Below is generated by plot.py at 2018-02-13 04:45:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.26 Mbit/s
95th percentile per-packet one-way delay: 11.373 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 79.26 Mbit/s
95th percentile per-packet one-way delay: 11.373 ms
Loss rate: 0.05%

Run 8: Report of Verus — Data Link

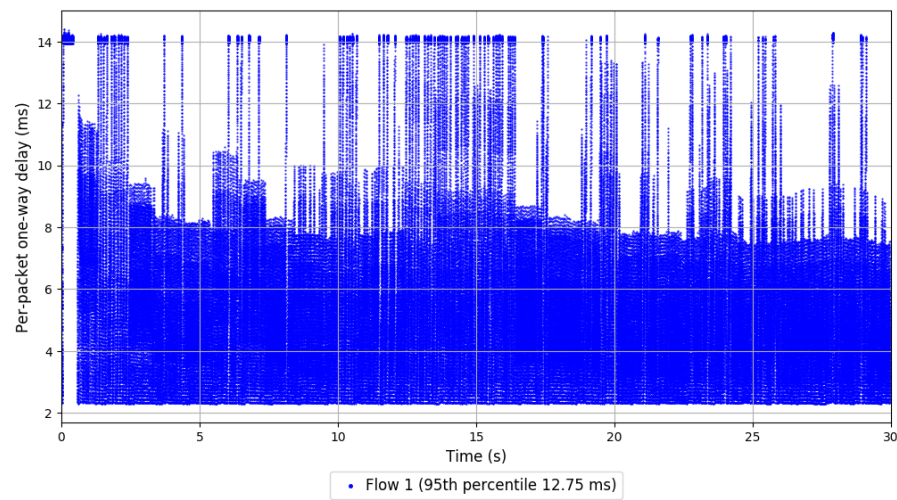
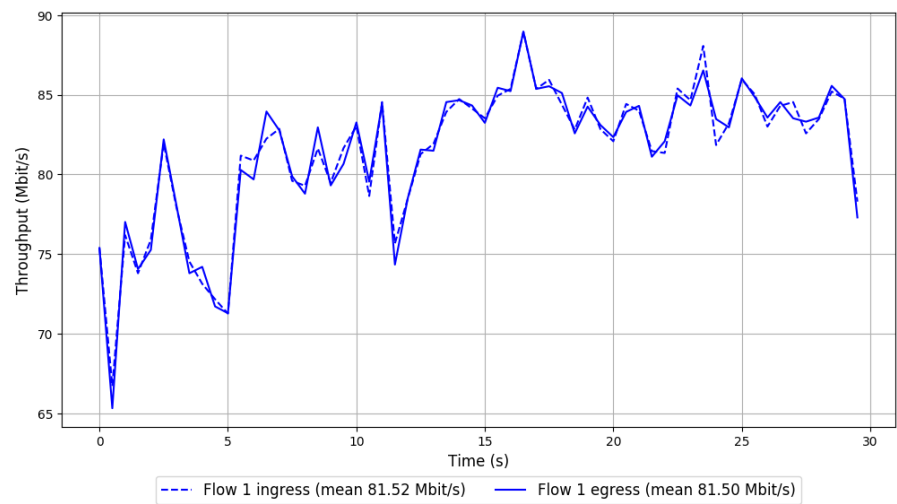


Run 9: Statistics of Verus

Start at: 2018-02-13 00:34:07
End at: 2018-02-13 00:34:37
Local clock offset: -5.379 ms
Remote clock offset: -4.977 ms

Below is generated by plot.py at 2018-02-13 04:45:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 12.748 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 12.748 ms
Loss rate: 0.03%

Run 9: Report of Verus — Data Link

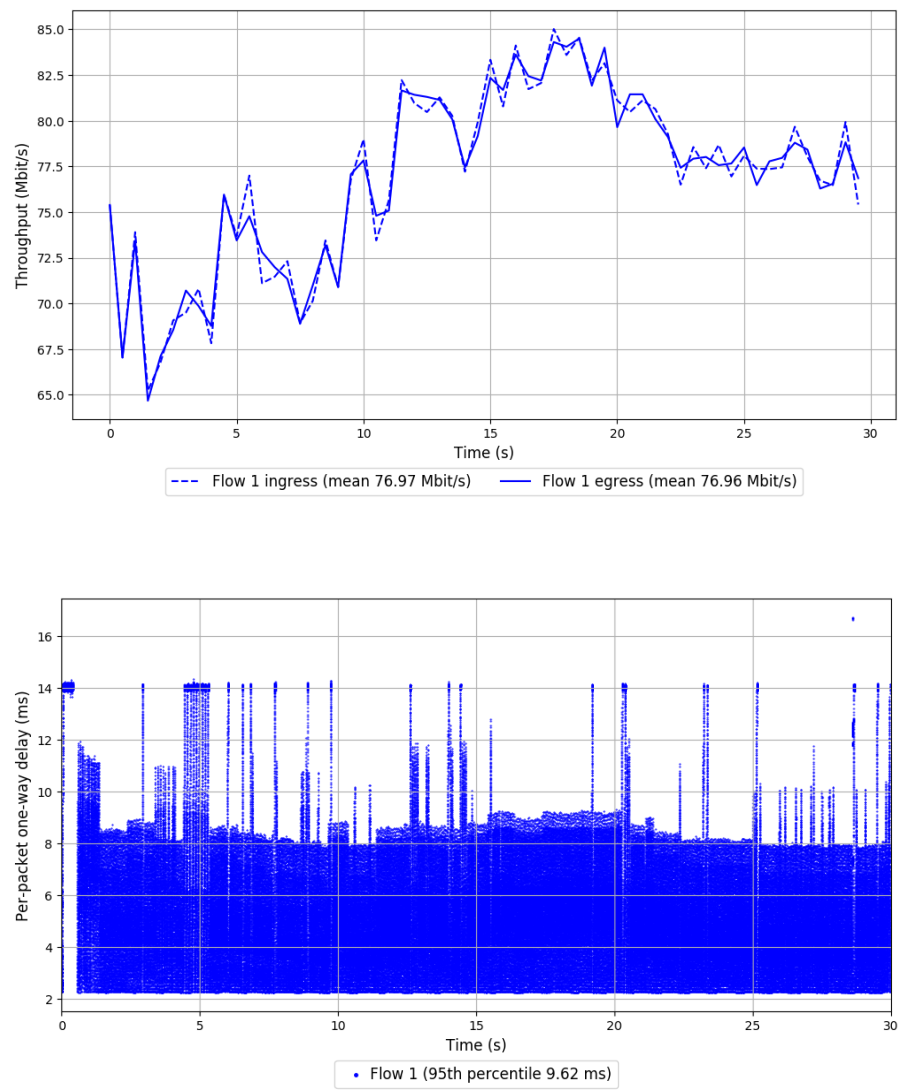


Run 10: Statistics of Verus

Start at: 2018-02-13 00:54:22
End at: 2018-02-13 00:54:52
Local clock offset: -5.281 ms
Remote clock offset: -4.926 ms

Below is generated by plot.py at 2018-02-13 04:45:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 9.621 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 9.621 ms
Loss rate: 0.02%

Run 10: Report of Verus — Data Link

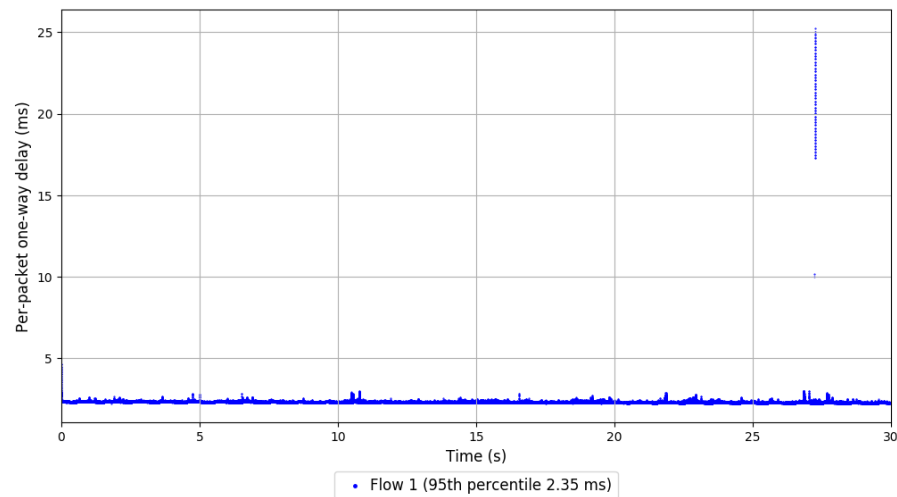
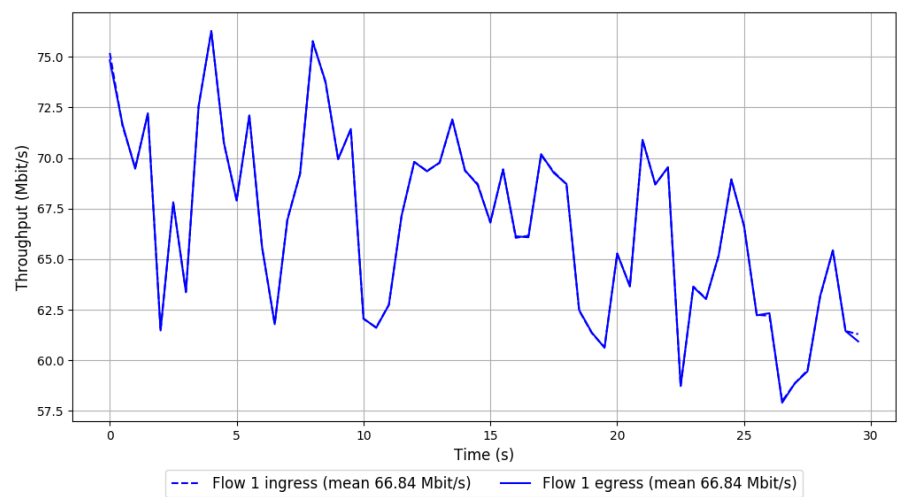


Run 1: Statistics of Copa

Start at: 2018-02-12 21:51:24
End at: 2018-02-12 21:51:54
Local clock offset: -4.808 ms
Remote clock offset: -3.894 ms

Below is generated by plot.py at 2018-02-13 04:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.02%

Run 1: Report of Copa — Data Link

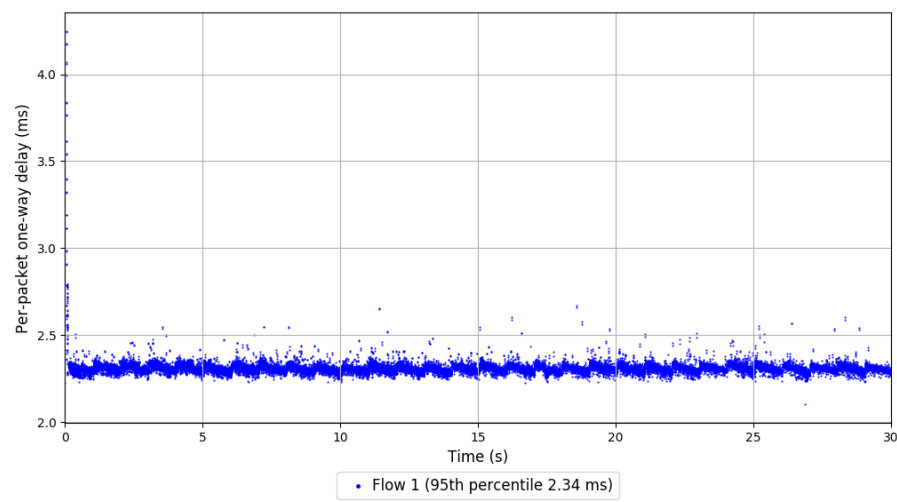
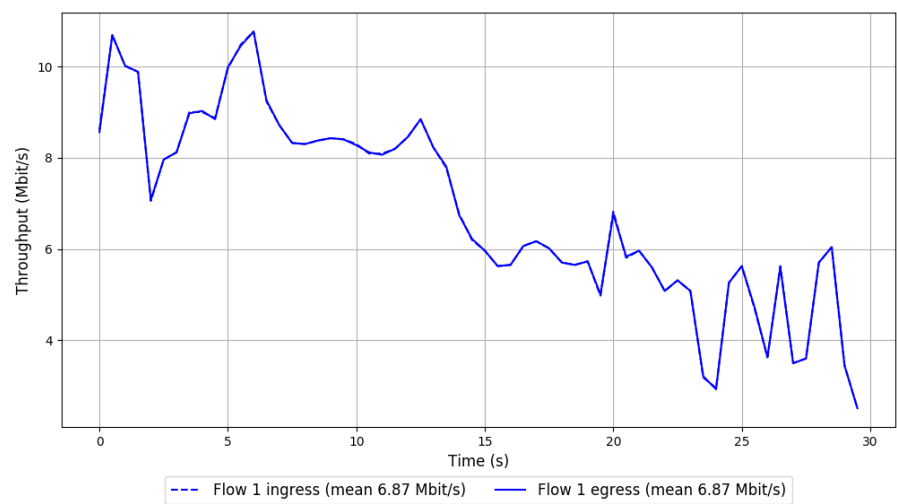


Run 2: Statistics of Copa

Start at: 2018-02-12 22:11:29
End at: 2018-02-12 22:11:59
Local clock offset: -4.183 ms
Remote clock offset: -4.834 ms

Below is generated by plot.py at 2018-02-13 04:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 2.341 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 2.341 ms
Loss rate: 0.01%

Run 2: Report of Copa — Data Link

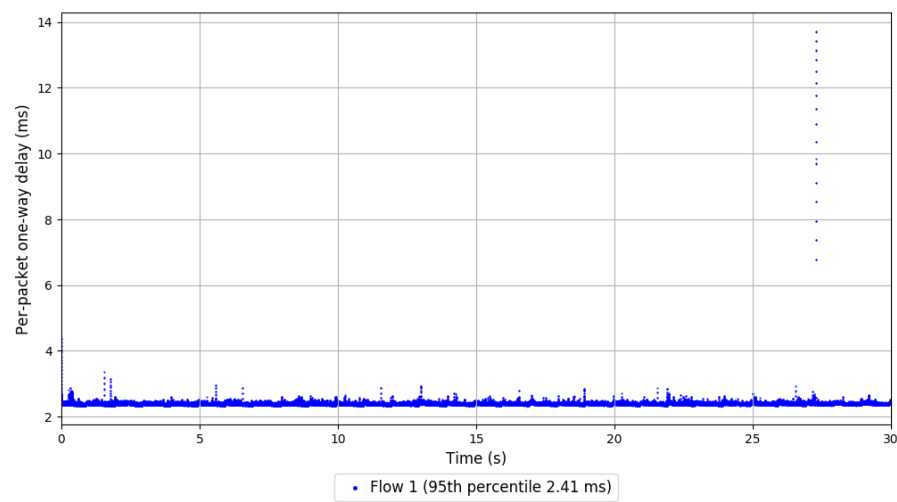
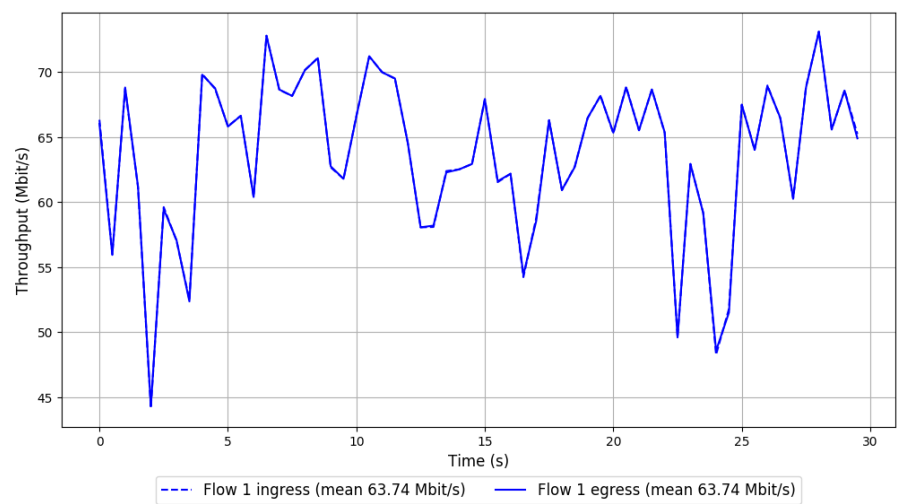


Run 3: Statistics of Copa

Start at: 2018-02-12 22:31:41
End at: 2018-02-12 22:32:11
Local clock offset: -3.868 ms
Remote clock offset: -4.672 ms

Below is generated by plot.py at 2018-02-13 04:47:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.74 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 63.74 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

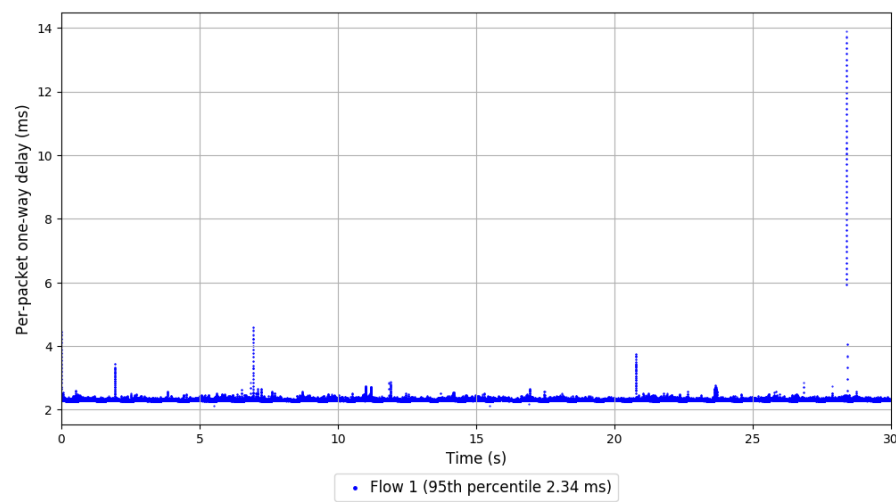
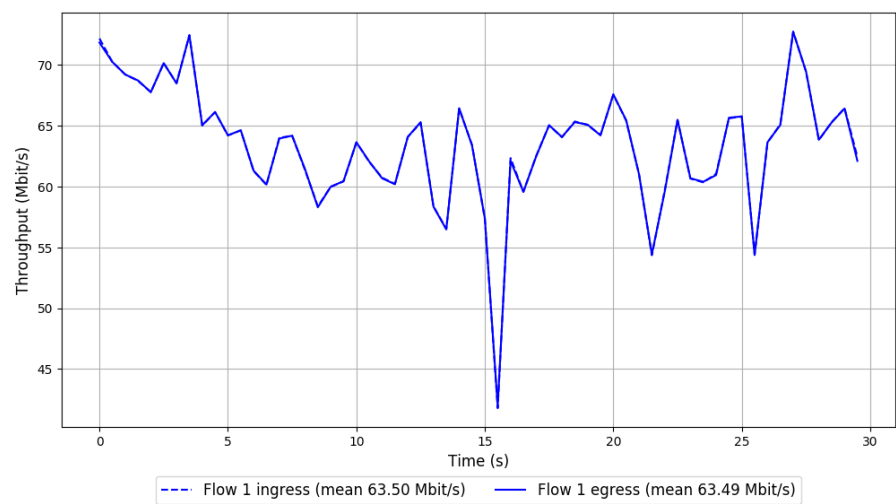


Run 4: Statistics of Copa

Start at: 2018-02-12 22:51:59
End at: 2018-02-12 22:52:29
Local clock offset: -3.965 ms
Remote clock offset: -4.428 ms

Below is generated by plot.py at 2018-02-13 04:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.49 Mbit/s
95th percentile per-packet one-way delay: 2.338 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 63.49 Mbit/s
95th percentile per-packet one-way delay: 2.338 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link

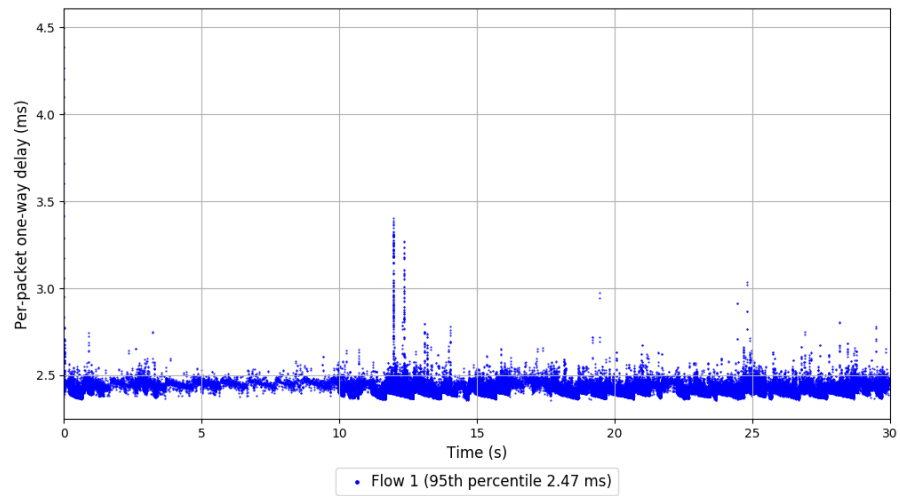
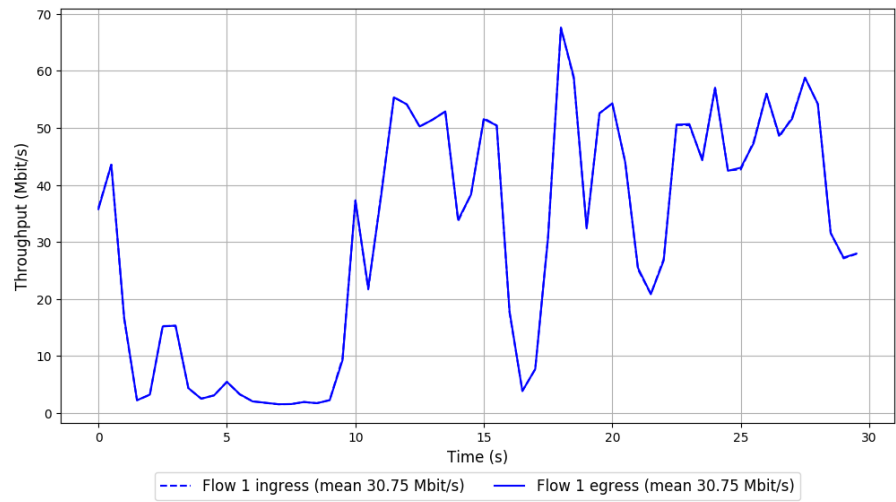


Run 5: Statistics of Copa

Start at: 2018-02-12 23:12:16
End at: 2018-02-12 23:12:46
Local clock offset: -3.888 ms
Remote clock offset: -4.525 ms

Below is generated by plot.py at 2018-02-13 04:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 0.01%

Run 5: Report of Copa — Data Link

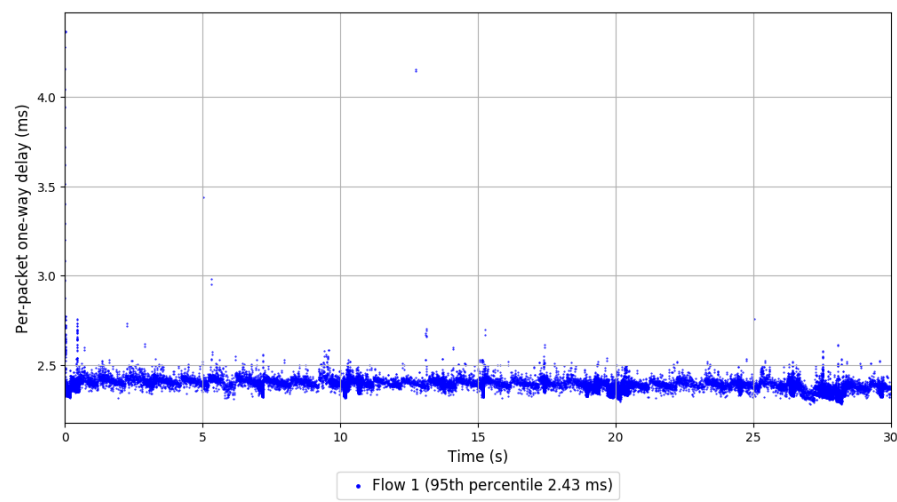
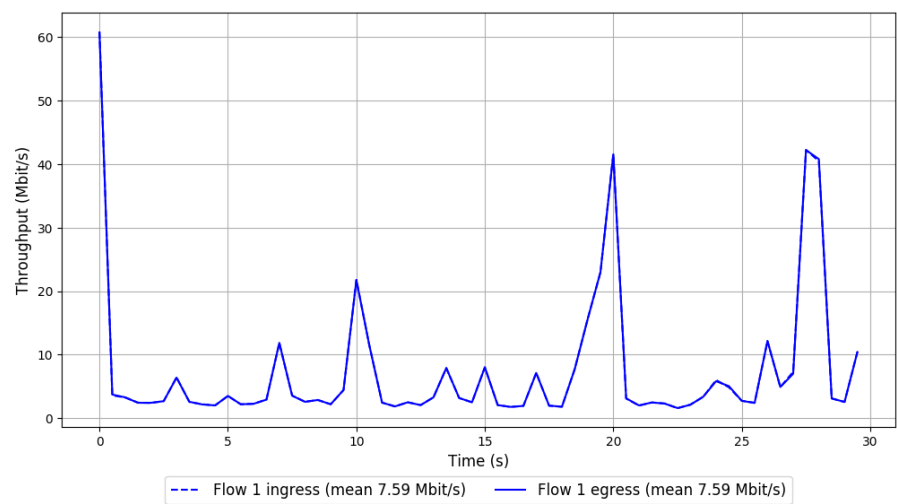


Run 6: Statistics of Copa

Start at: 2018-02-12 23:32:33
End at: 2018-02-12 23:33:03
Local clock offset: -3.881 ms
Remote clock offset: -4.599 ms

Below is generated by plot.py at 2018-02-13 04:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 2.433 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 2.433 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

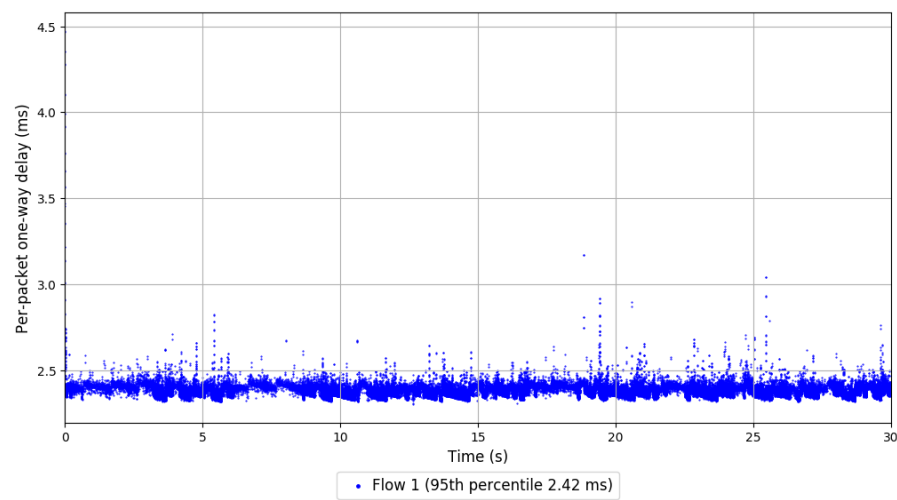
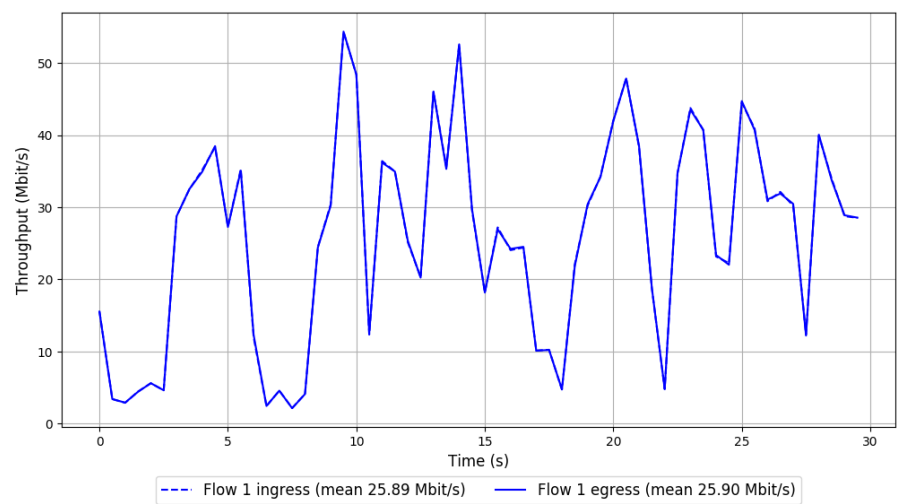


Run 7: Statistics of Copa

Start at: 2018-02-12 23:52:47
End at: 2018-02-12 23:53:17
Local clock offset: -4.553 ms
Remote clock offset: -5.095 ms

Below is generated by plot.py at 2018-02-13 04:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-13 00:12:51

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

Local clock offset: -4.854 ms

Remote clock offset: -5.0 ms

Below is generated by plot.py at 2018-02-13 04:47:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.63 Mbit/s

95th percentile per-packet one-way delay: 2.445 ms

Loss rate: 0.01%

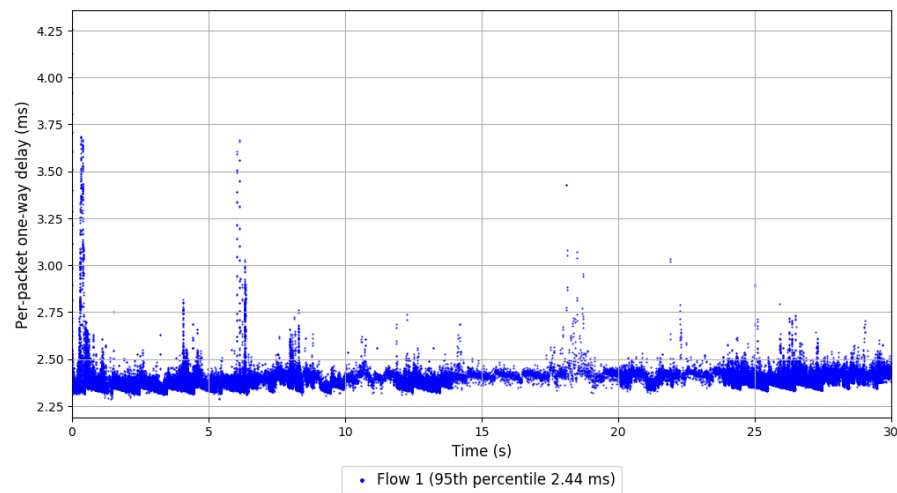
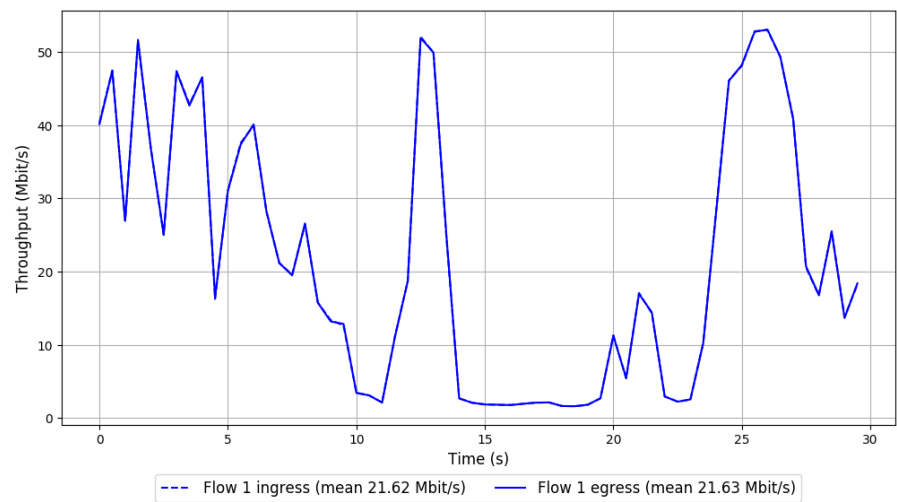
-- Flow 1:

Average throughput: 21.63 Mbit/s

95th percentile per-packet one-way delay: 2.445 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link

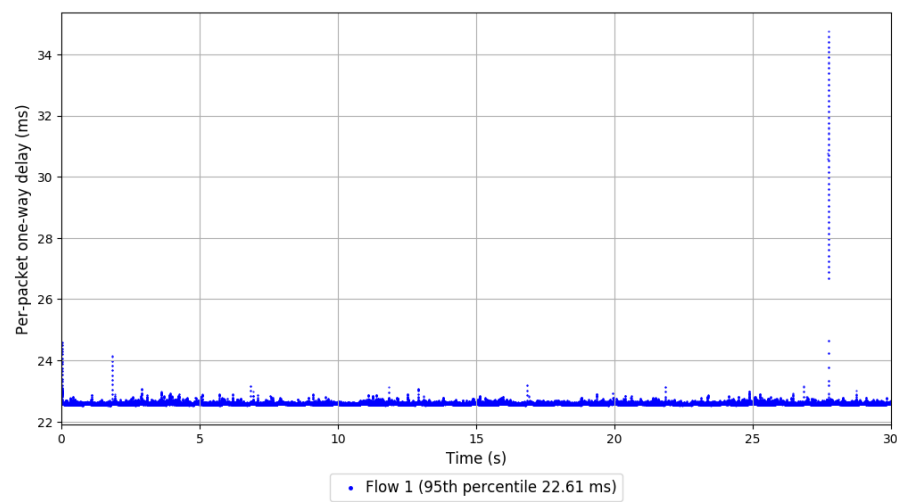
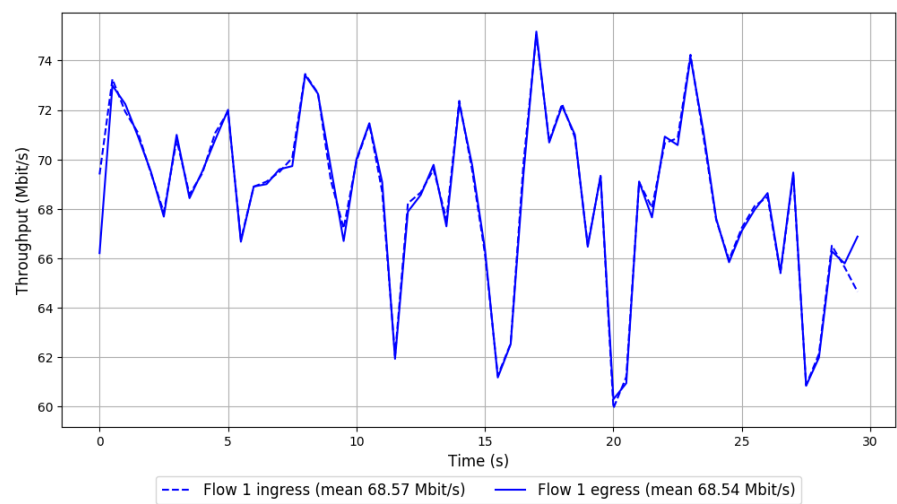


Run 9: Statistics of Copa

Start at: 2018-02-13 00:32:58
End at: 2018-02-13 00:33:28
Local clock offset: -5.33 ms
Remote clock offset: -25.181 ms

Below is generated by plot.py at 2018-02-13 04:47:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.54 Mbit/s
95th percentile per-packet one-way delay: 22.612 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 68.54 Mbit/s
95th percentile per-packet one-way delay: 22.612 ms
Loss rate: 0.06%

Run 9: Report of Copa — Data Link

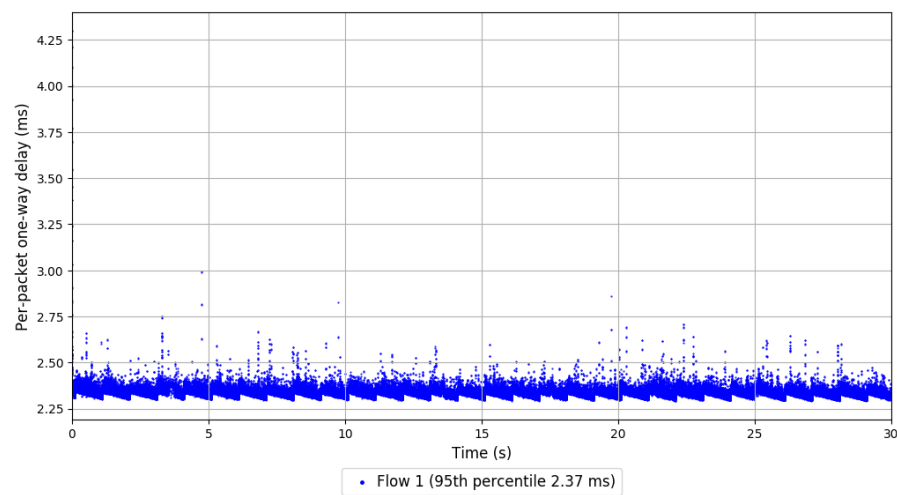
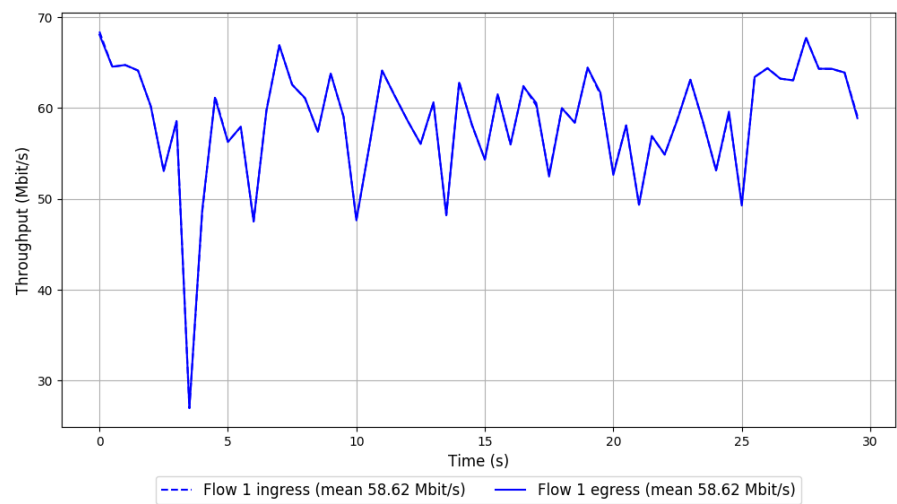


Run 10: Statistics of Copa

Start at: 2018-02-13 00:53:14
End at: 2018-02-13 00:53:44
Local clock offset: -5.249 ms
Remote clock offset: -4.928 ms

Below is generated by plot.py at 2018-02-13 04:47:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.62 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.62 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.02%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-12 21:49:14

End at: 2018-02-12 21:49:44

Local clock offset: -4.901 ms

Remote clock offset: -3.57 ms

Below is generated by plot.py at 2018-02-13 04:47:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 12.921 ms

Loss rate: 0.05%

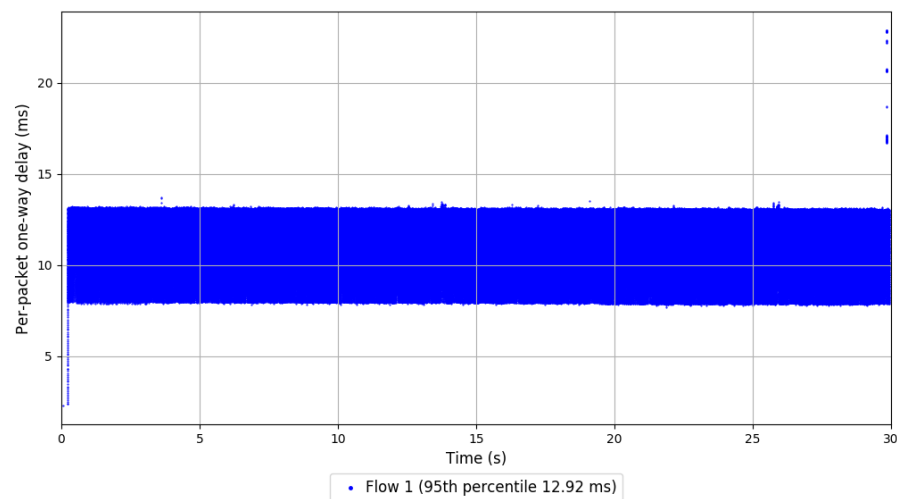
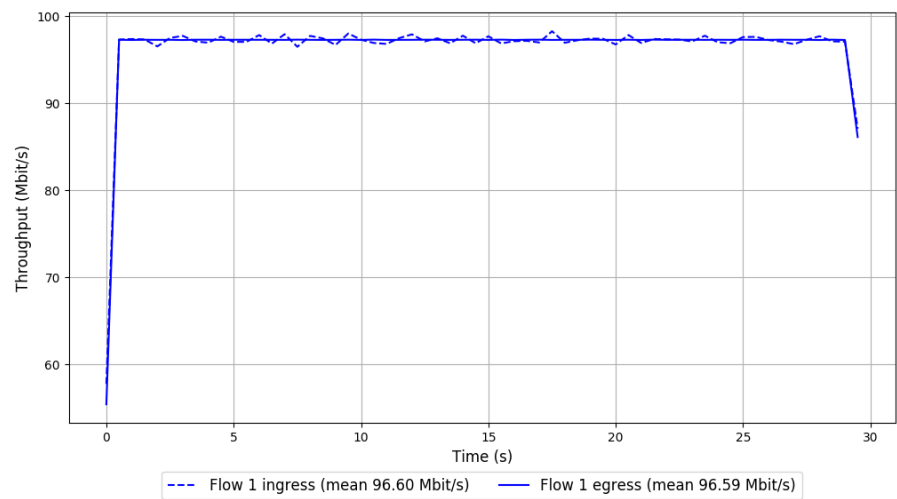
-- Flow 1:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 12.921 ms

Loss rate: 0.05%

Run 1: Report of FillP — Data Link

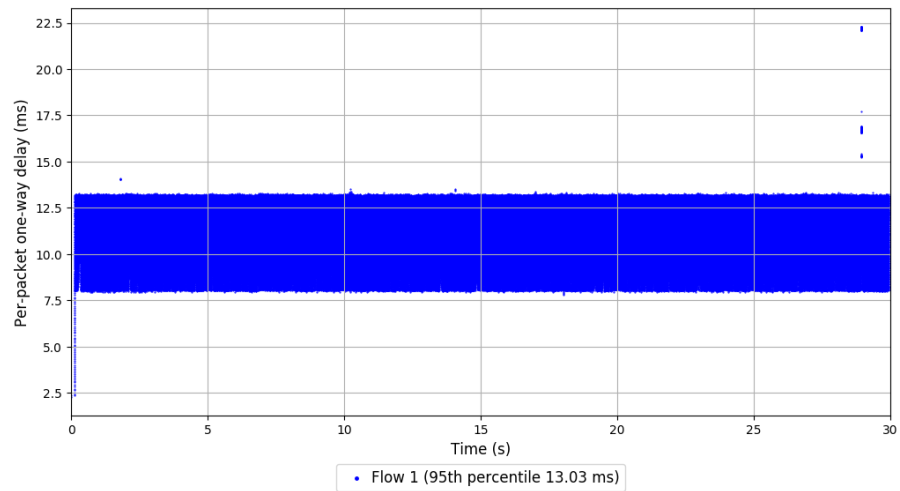
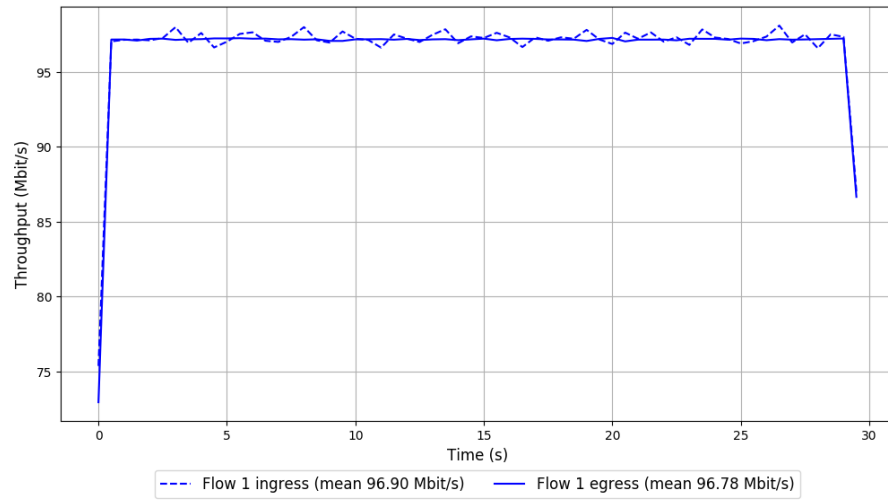


Run 2: Statistics of FillP

Start at: 2018-02-12 22:09:18
End at: 2018-02-12 22:09:48
Local clock offset: -4.16 ms
Remote clock offset: -4.825 ms

Below is generated by plot.py at 2018-02-13 04:48:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 13.029 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 13.029 ms
Loss rate: 0.14%

Run 2: Report of FillP — Data Link

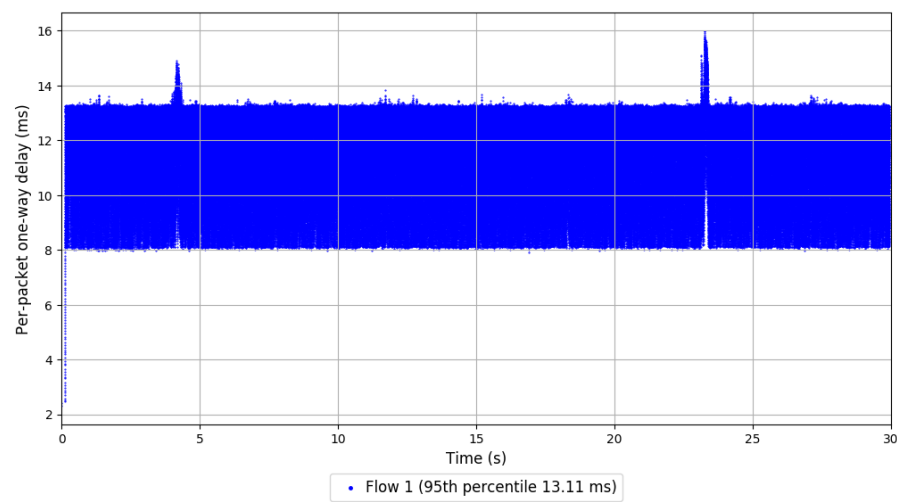
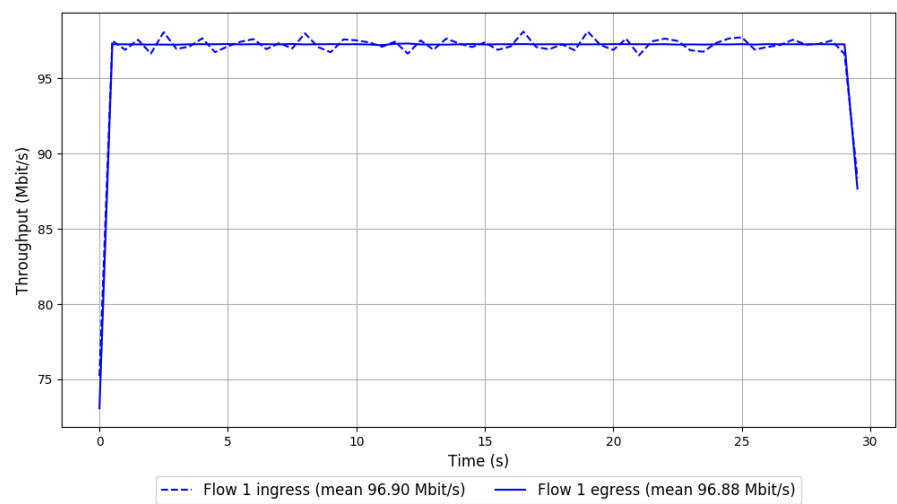


Run 3: Statistics of FillP

Start at: 2018-02-12 22:29:30
End at: 2018-02-12 22:30:00
Local clock offset: -3.814 ms
Remote clock offset: -4.697 ms

Below is generated by plot.py at 2018-02-13 04:48:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 13.108 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 13.108 ms
Loss rate: 0.04%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-12 22:49:48

End at: 2018-02-12 22:50:18

Local clock offset: -3.949 ms

Remote clock offset: -4.45 ms

Below is generated by plot.py at 2018-02-13 04:48:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 13.005 ms

Loss rate: 0.04%

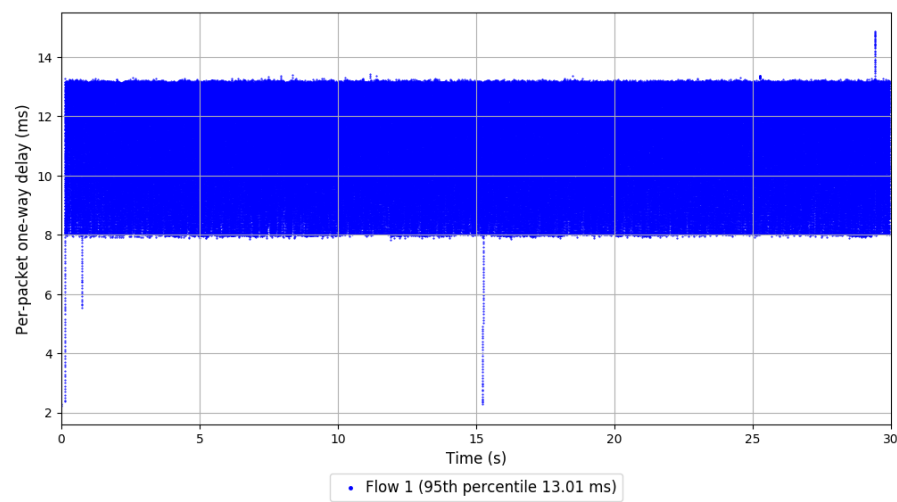
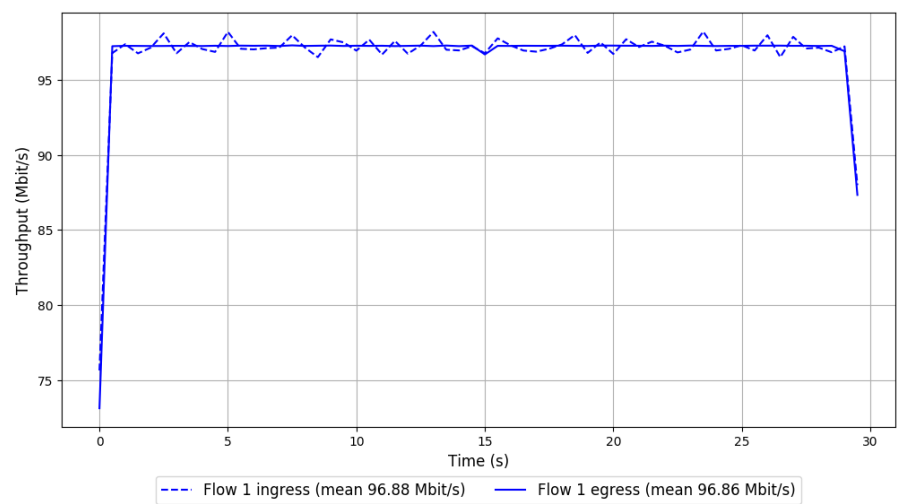
-- Flow 1:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 13.005 ms

Loss rate: 0.04%

Run 4: Report of FillP — Data Link

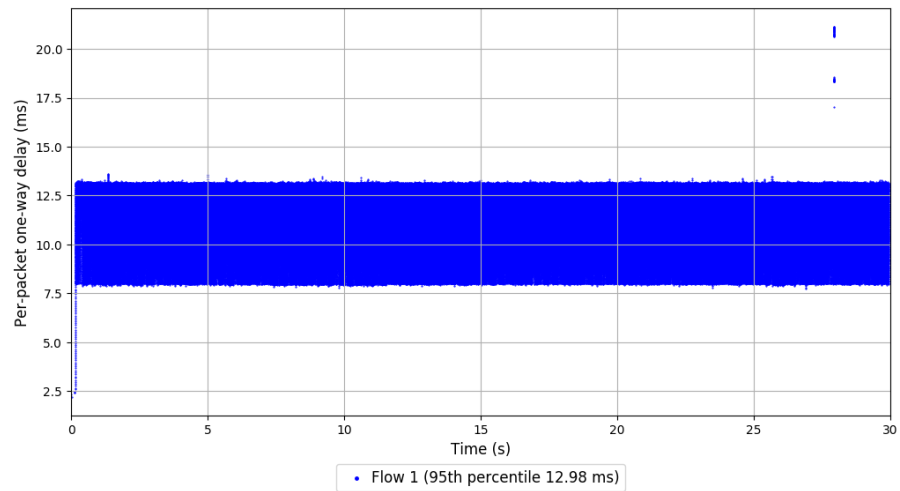
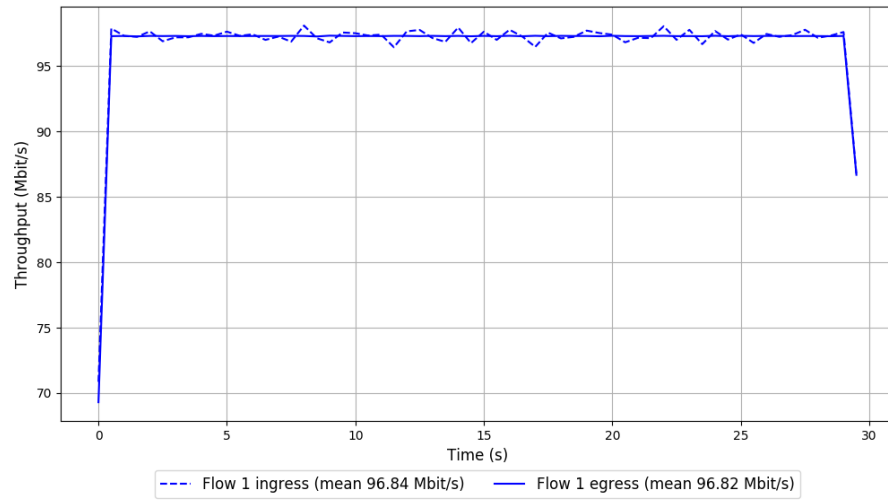


Run 5: Statistics of FillP

Start at: 2018-02-12 23:10:05
End at: 2018-02-12 23:10:35
Local clock offset: -4.007 ms
Remote clock offset: -4.536 ms

Below is generated by plot.py at 2018-02-13 04:48:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 12.976 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 12.976 ms
Loss rate: 0.04%

Run 5: Report of FillP — Data Link

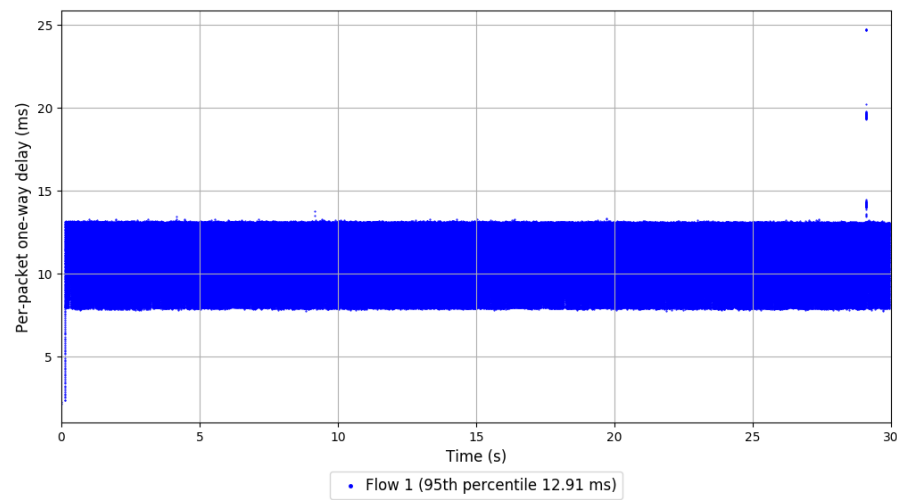
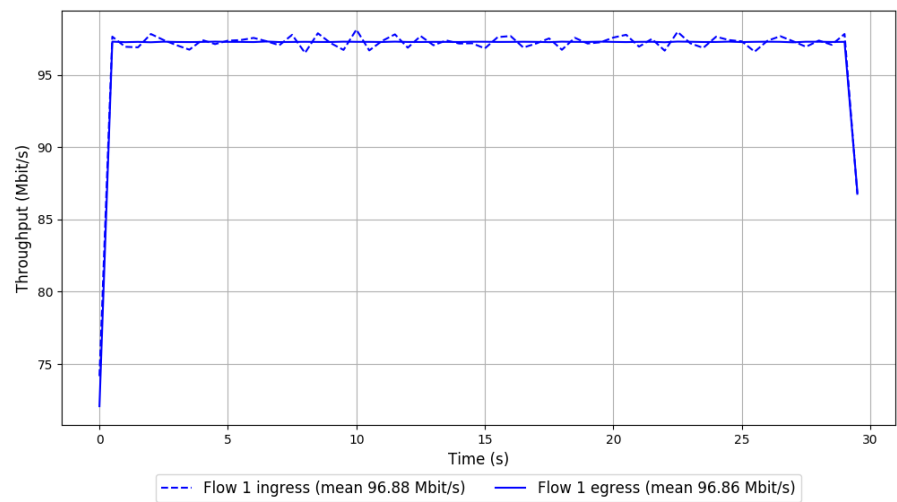


Run 6: Statistics of FillP

Start at: 2018-02-12 23:30:22
End at: 2018-02-12 23:30:52
Local clock offset: -3.984 ms
Remote clock offset: -4.438 ms

Below is generated by plot.py at 2018-02-13 04:48:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 12.914 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 12.914 ms
Loss rate: 0.04%

Run 6: Report of FillP — Data Link

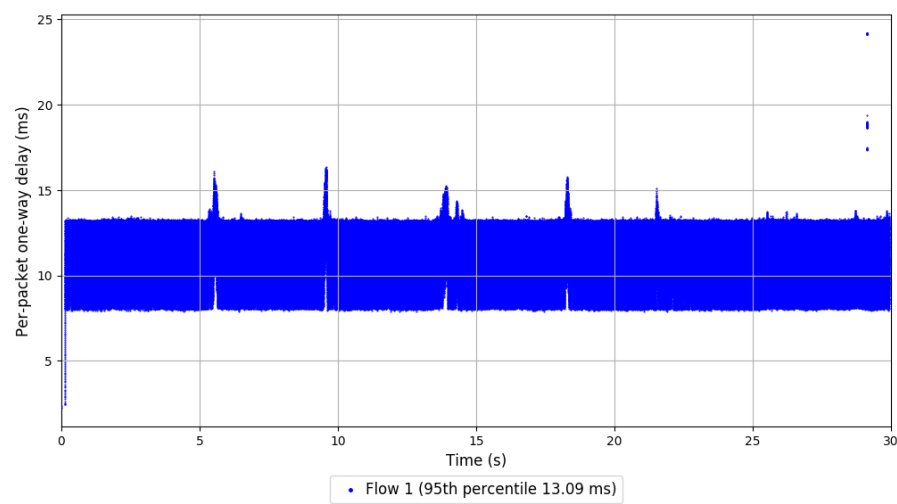
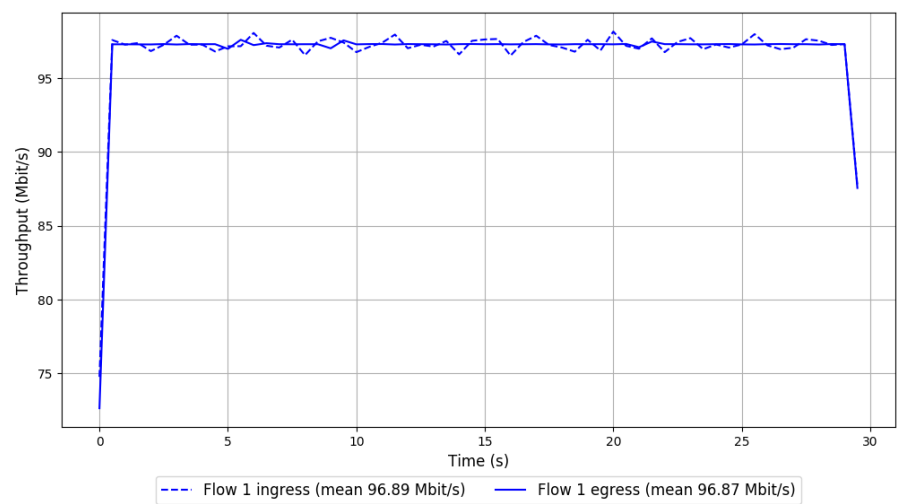


Run 7: Statistics of FillP

Start at: 2018-02-12 23:50:36
End at: 2018-02-12 23:51:06
Local clock offset: -4.534 ms
Remote clock offset: -5.084 ms

Below is generated by plot.py at 2018-02-13 04:48:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.086 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.086 ms
Loss rate: 0.04%

Run 7: Report of FillP — Data Link

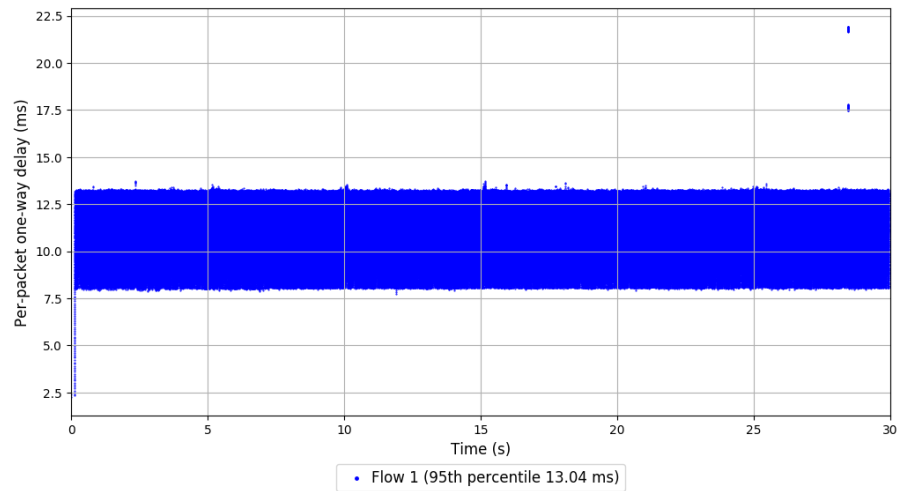
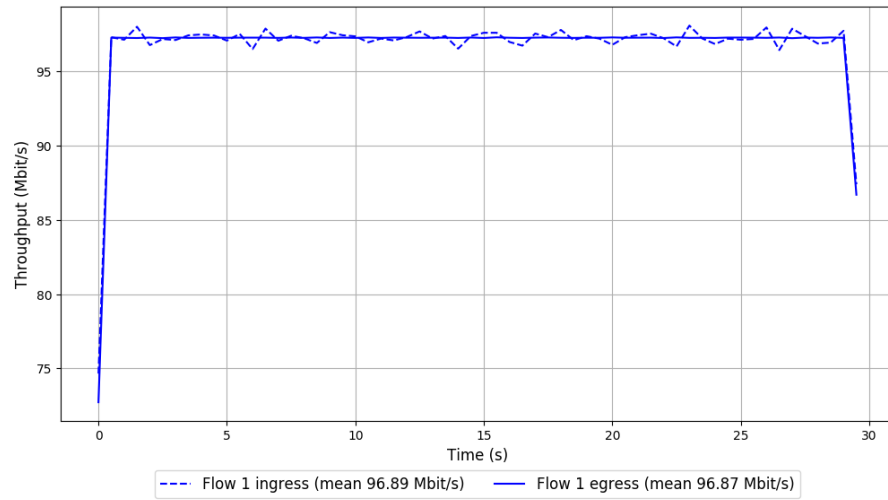


Run 8: Statistics of FillP

Start at: 2018-02-13 00:10:40
End at: 2018-02-13 00:11:10
Local clock offset: -4.783 ms
Remote clock offset: -5.024 ms

Below is generated by plot.py at 2018-02-13 04:49:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.045 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.045 ms
Loss rate: 0.05%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-13 00:30:47

End at: 2018-02-13 00:31:17

Local clock offset: -5.332 ms

Remote clock offset: -5.04 ms

Below is generated by plot.py at 2018-02-13 04:49:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 13.085 ms

Loss rate: 0.04%

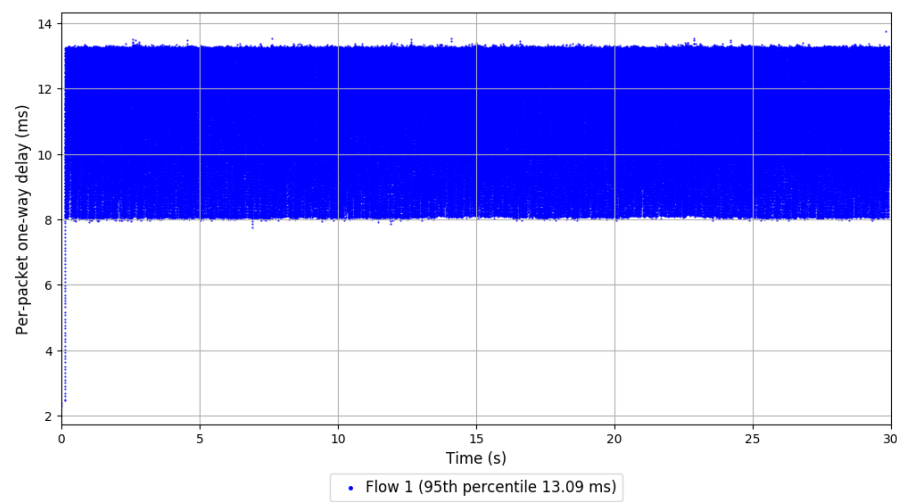
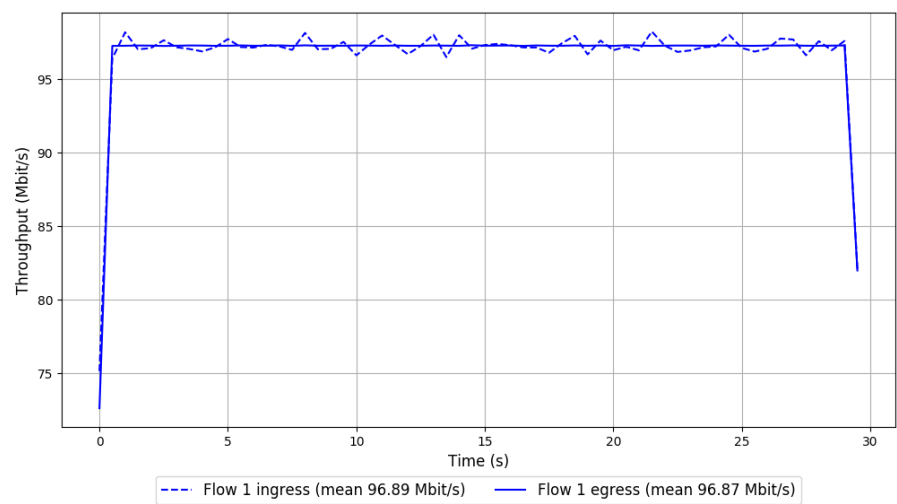
-- Flow 1:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 13.085 ms

Loss rate: 0.04%

Run 9: Report of FillP — Data Link

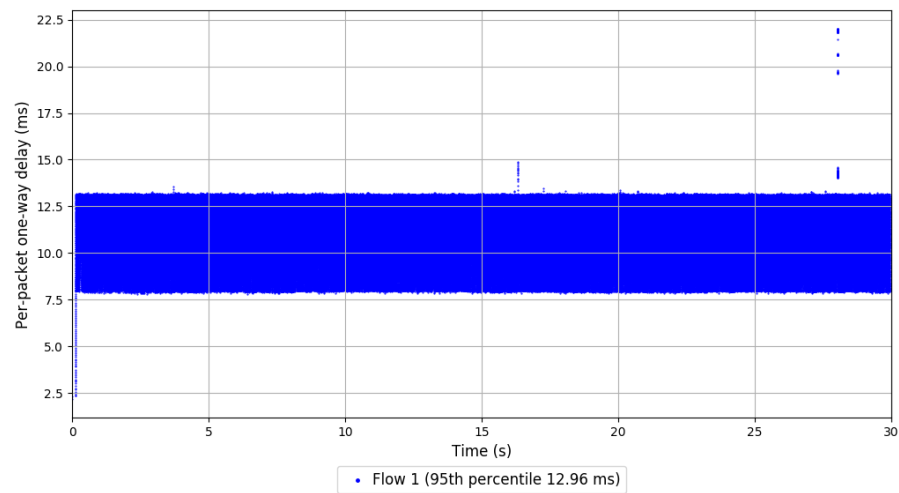
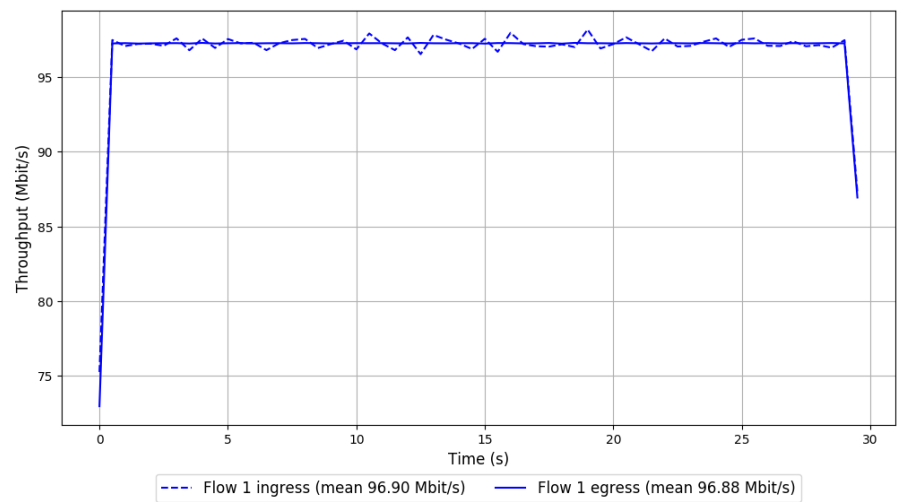


Run 10: Statistics of FillP

Start at: 2018-02-13 00:51:03
End at: 2018-02-13 00:51:33
Local clock offset: -5.359 ms
Remote clock offset: -4.922 ms

Below is generated by plot.py at 2018-02-13 04:49:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 12.957 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 12.957 ms
Loss rate: 0.04%

Run 10: Report of FillP — Data Link

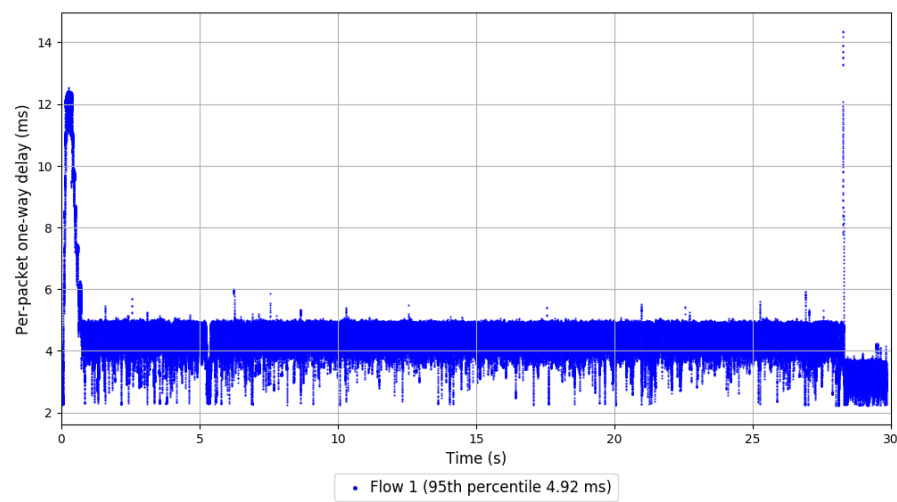
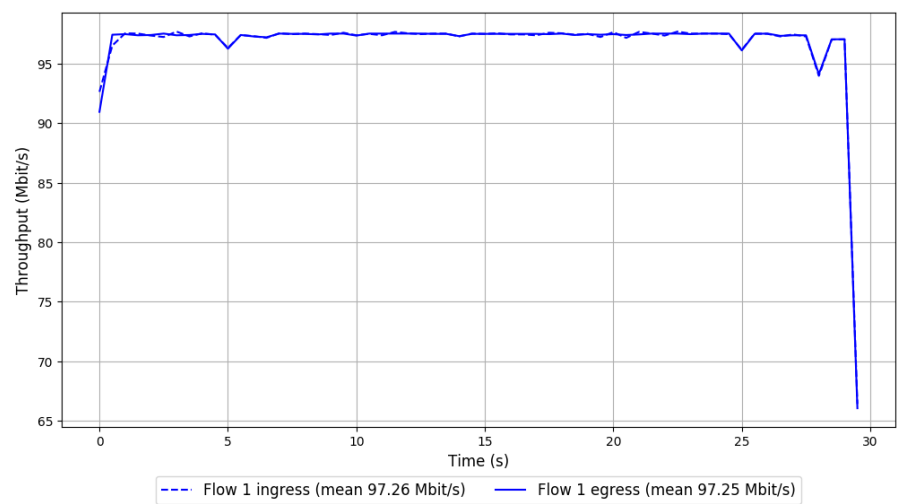


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-12 21:59:19
End at: 2018-02-12 21:59:49
Local clock offset: -4.539 ms
Remote clock offset: -4.59 ms

# Below is generated by plot.py at 2018-02-13 04:49:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 4.915 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 4.915 ms
Loss rate: 0.02%
```

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

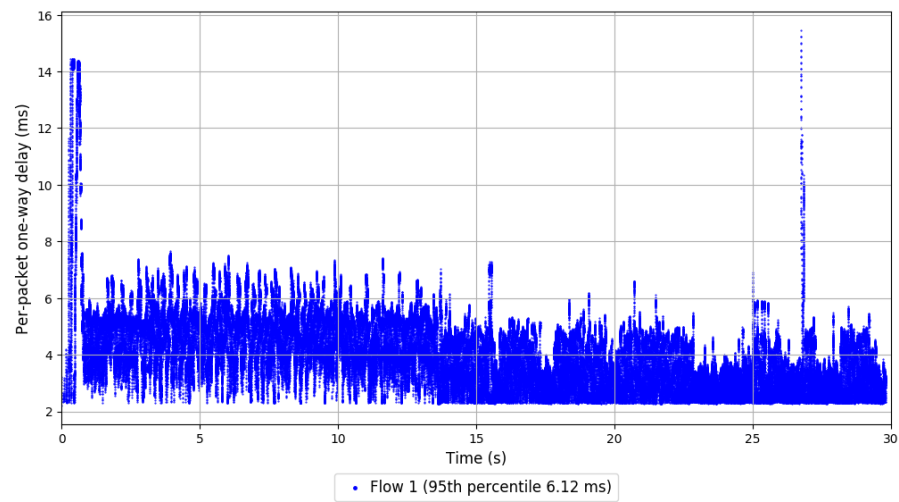
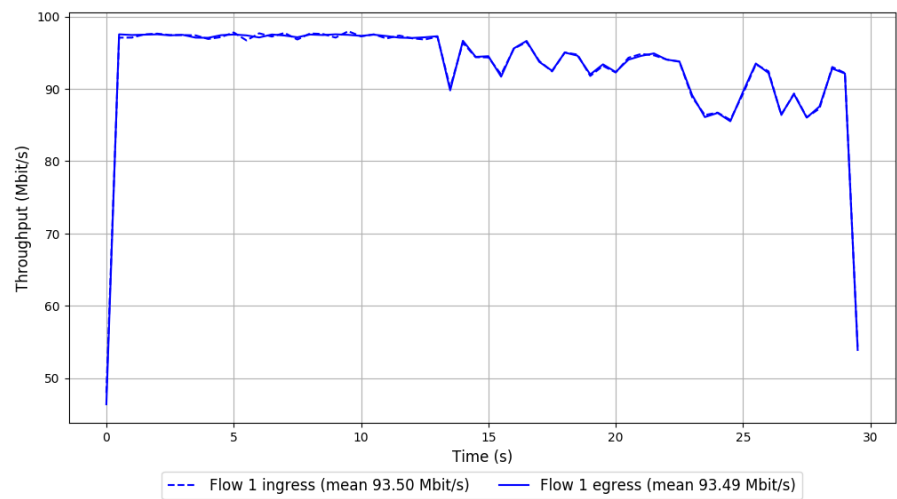


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-12 22:19:19
End at: 2018-02-12 22:19:49
Local clock offset: -3.975 ms
Remote clock offset: -4.775 ms

Below is generated by plot.py at 2018-02-13 04:49:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 6.116 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 6.116 ms
Loss rate: 0.02%

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

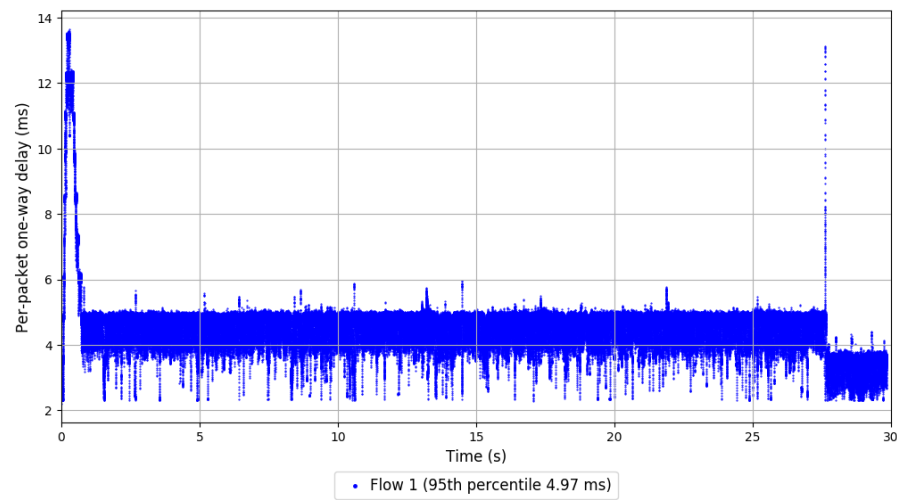
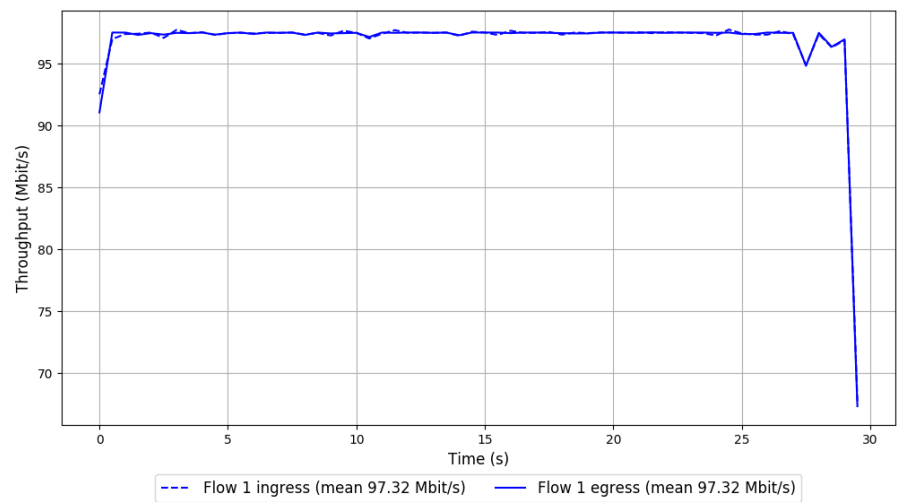


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-12 22:39:37
End at: 2018-02-12 22:40:07
Local clock offset: -3.966 ms
Remote clock offset: -4.561 ms

Below is generated by plot.py at 2018-02-13 04:50:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 4.969 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 4.969 ms
Loss rate: 0.02%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-12 22:59:52

End at: 2018-02-12 23:00:22

Local clock offset: -3.982 ms

Remote clock offset: -4.568 ms

Below is generated by plot.py at 2018-02-13 04:50:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 4.137 ms

Loss rate: 0.02%

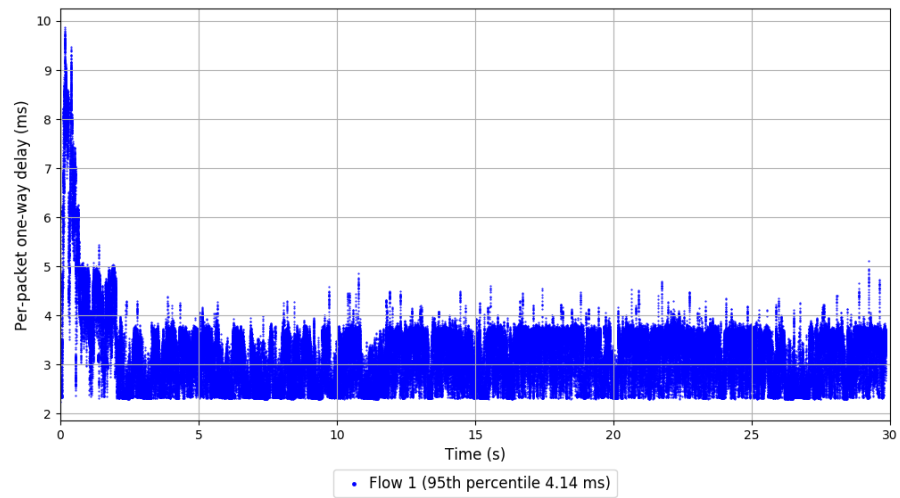
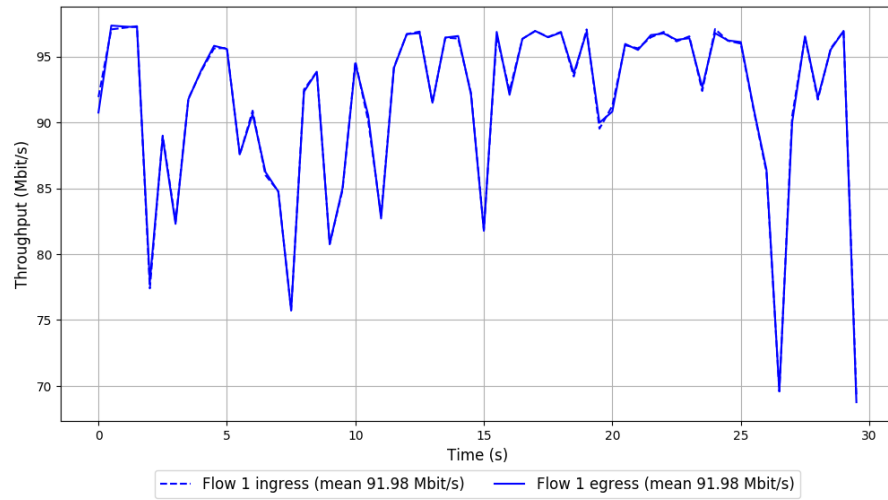
-- Flow 1:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 4.137 ms

Loss rate: 0.02%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-12 23:20:09

End at: 2018-02-12 23:20:39

Local clock offset: -3.44 ms

Remote clock offset: -4.475 ms

Below is generated by plot.py at 2018-02-13 04:50:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.94 Mbit/s

95th percentile per-packet one-way delay: 4.983 ms

Loss rate: 0.02%

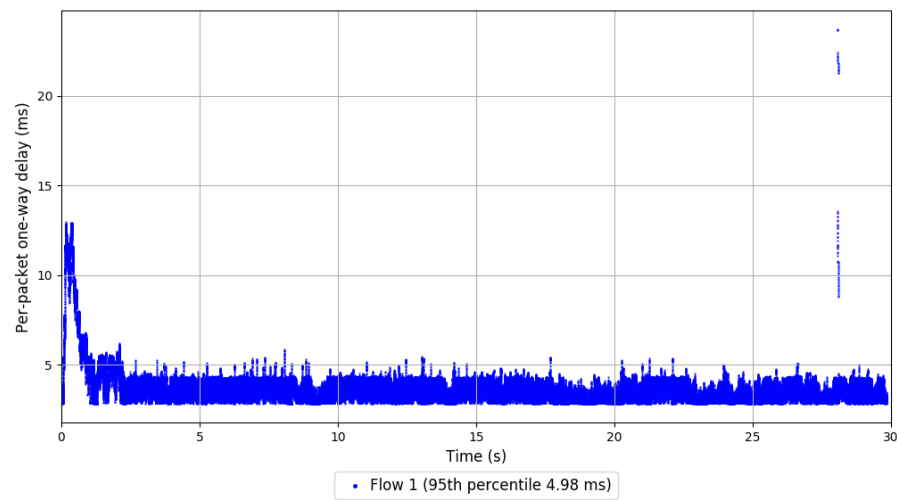
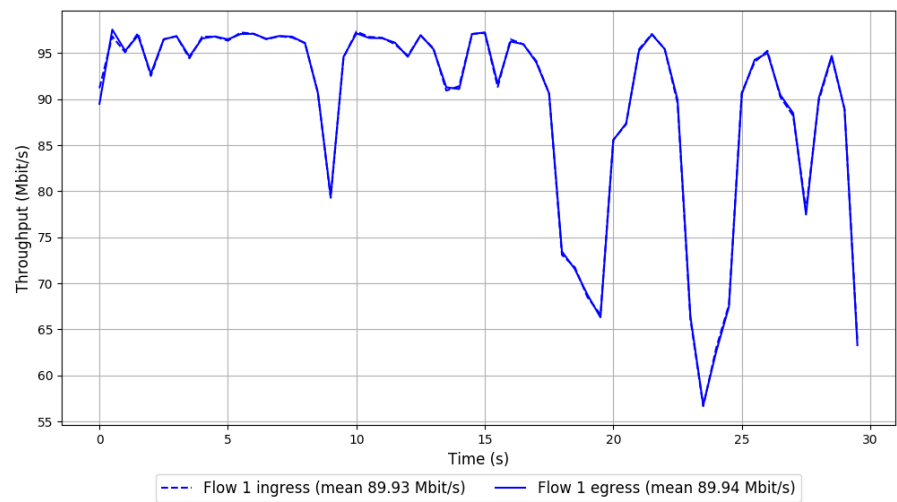
-- Flow 1:

Average throughput: 89.94 Mbit/s

95th percentile per-packet one-way delay: 4.983 ms

Loss rate: 0.02%

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

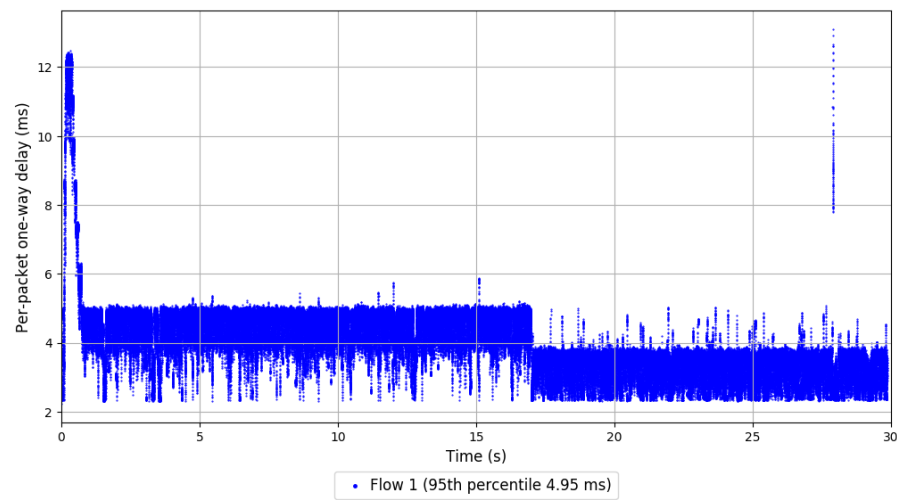
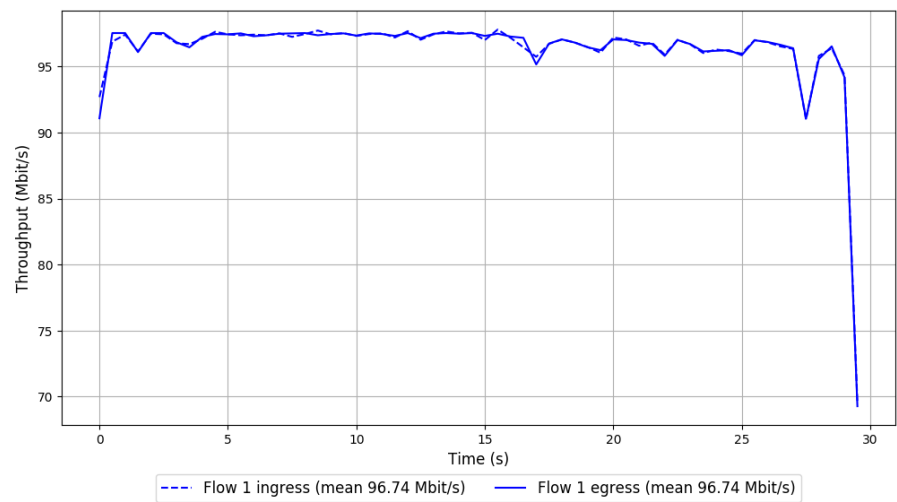


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-12 23:40:23
End at: 2018-02-12 23:40:53
Local clock offset: -4.109 ms
Remote clock offset: -4.889 ms

Below is generated by plot.py at 2018-02-13 04:50:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 4.952 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 4.952 ms
Loss rate: 0.02%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-13 00:00:34

End at: 2018-02-13 00:01:04

Local clock offset: -4.67 ms

Remote clock offset: -5.158 ms

Below is generated by plot.py at 2018-02-13 04:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.72 Mbit/s

95th percentile per-packet one-way delay: 8.070 ms

Loss rate: 0.00%

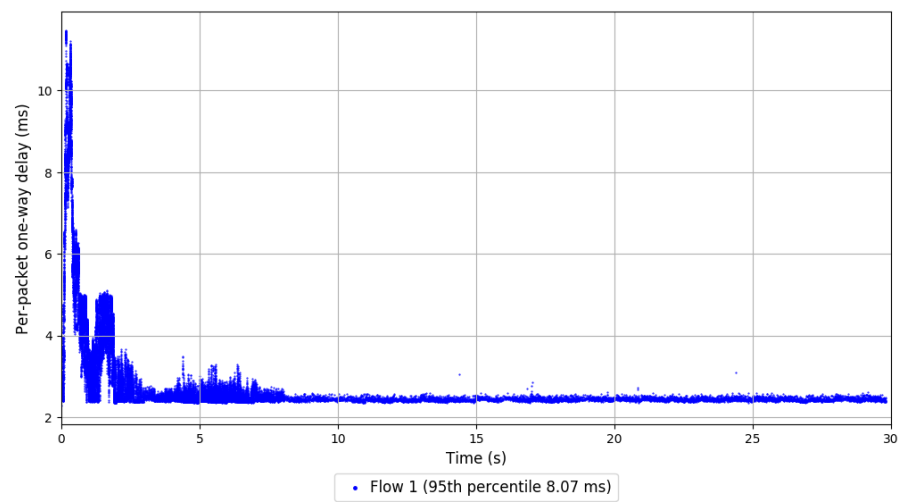
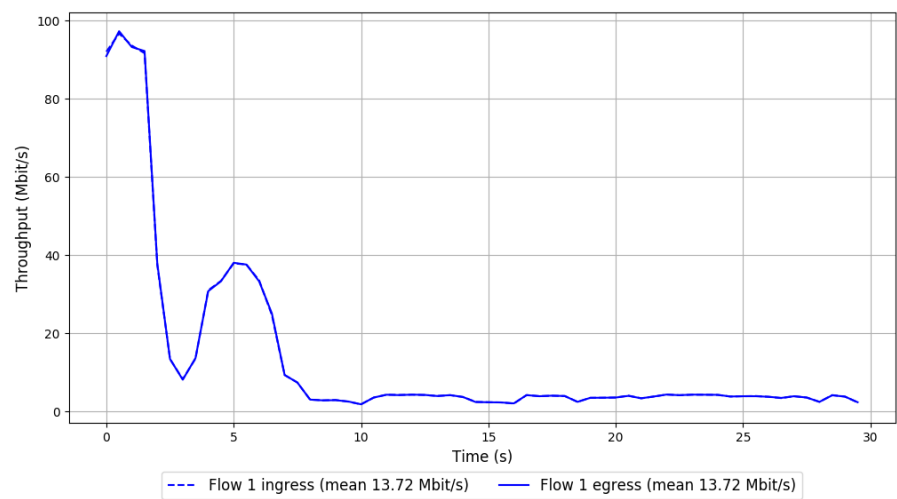
-- Flow 1:

Average throughput: 13.72 Mbit/s

95th percentile per-packet one-way delay: 8.070 ms

Loss rate: 0.00%

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

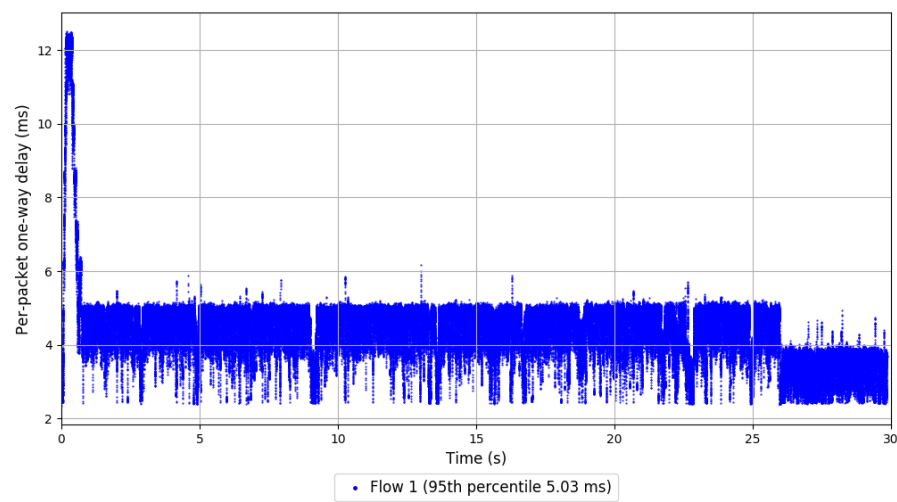
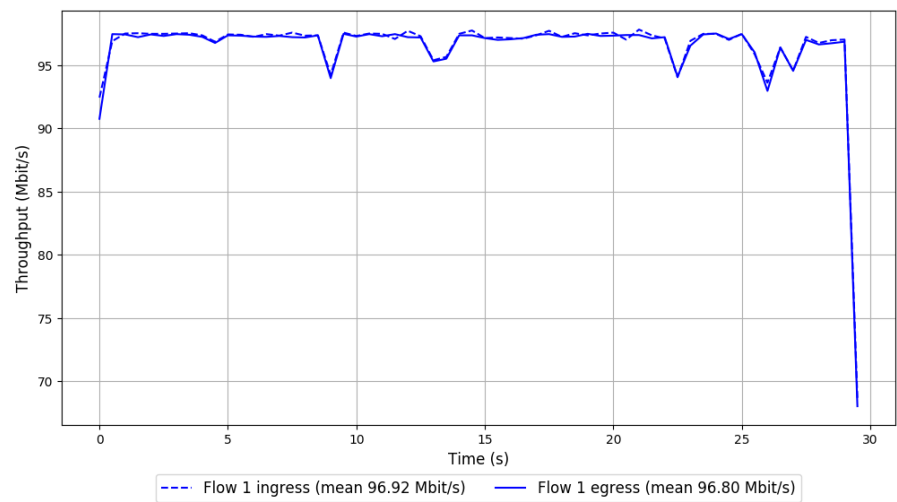


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-13 00:20:43
End at: 2018-02-13 00:21:13
Local clock offset: -5.072 ms
Remote clock offset: -5.009 ms

Below is generated by plot.py at 2018-02-13 04:50:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 5.032 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 5.032 ms
Loss rate: 0.14%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-13 00:40:50

End at: 2018-02-13 00:41:20

Local clock offset: -5.38 ms

Remote clock offset: -5.283 ms

Below is generated by plot.py at 2018-02-13 04:51:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 5.393 ms

Loss rate: 0.02%

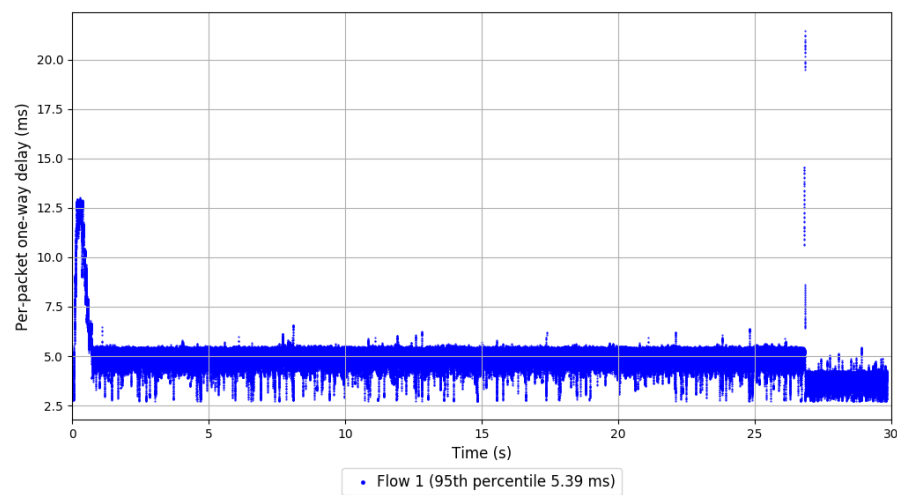
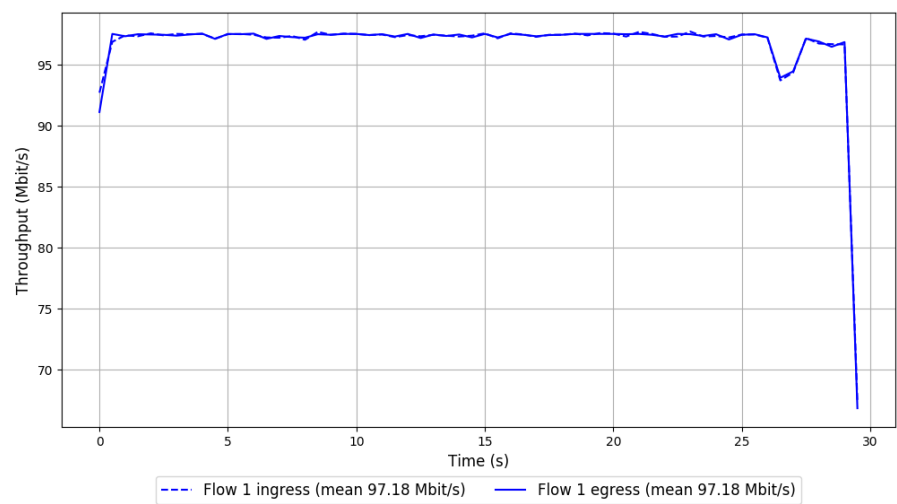
-- Flow 1:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 5.393 ms

Loss rate: 0.02%

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

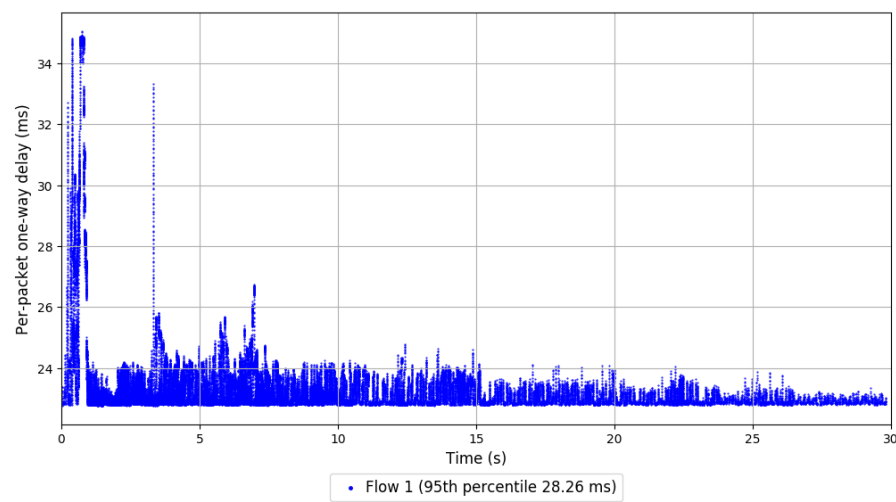
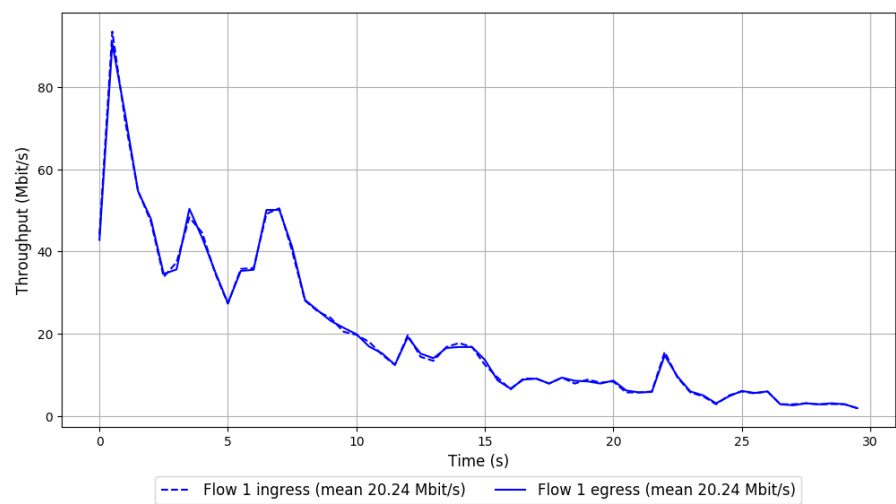


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-13 01:01:09
End at: 2018-02-13 01:01:39
Local clock offset: -5.165 ms
Remote clock offset: -25.37 ms

Below is generated by plot.py at 2018-02-13 04:51:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 28.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 28.263 ms
Loss rate: 0.00%

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

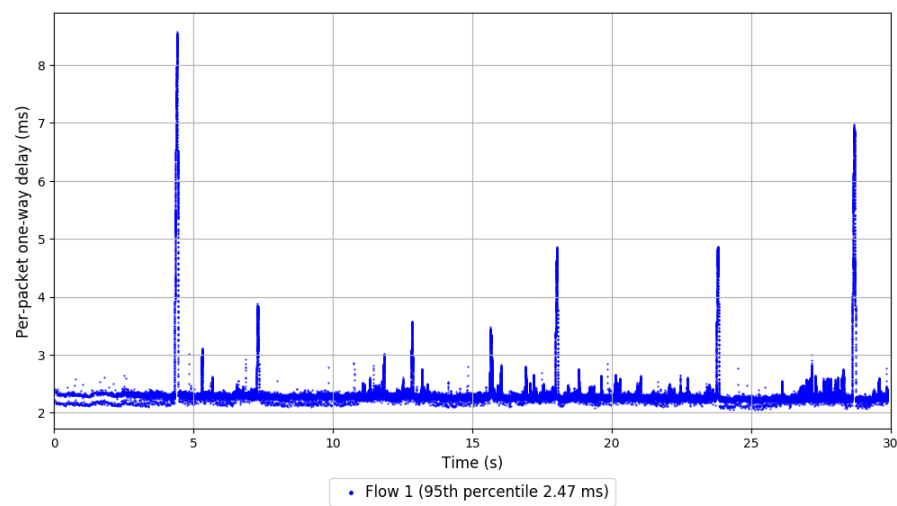
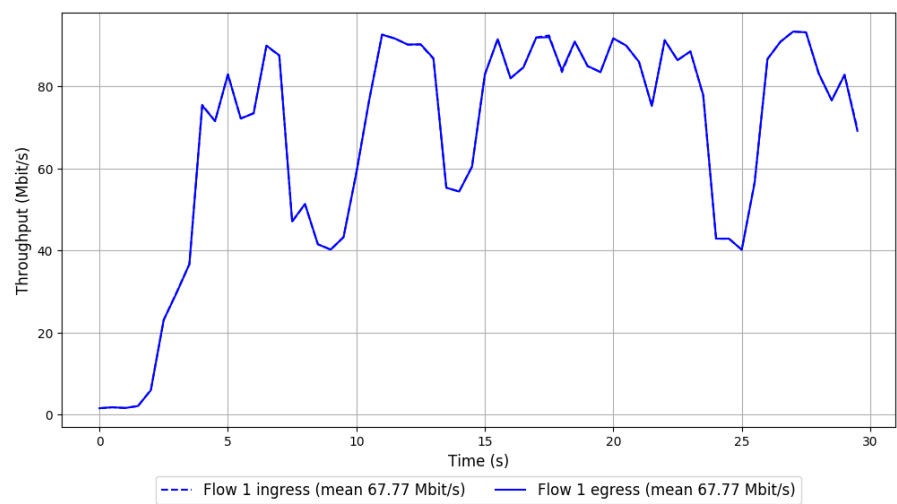


Run 1: Statistics of Vivace-latency

Start at: 2018-02-12 21:55:57
End at: 2018-02-12 21:56:27
Local clock offset: -4.752 ms
Remote clock offset: -4.416 ms

Below is generated by plot.py at 2018-02-13 04:51:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 2.470 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 2.470 ms
Loss rate: 0.02%

Run 1: Report of Vivace-latency — Data Link

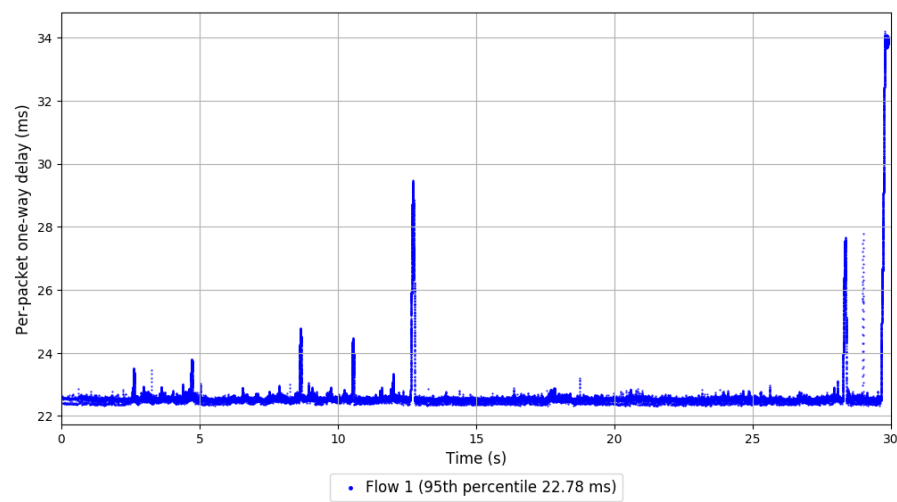
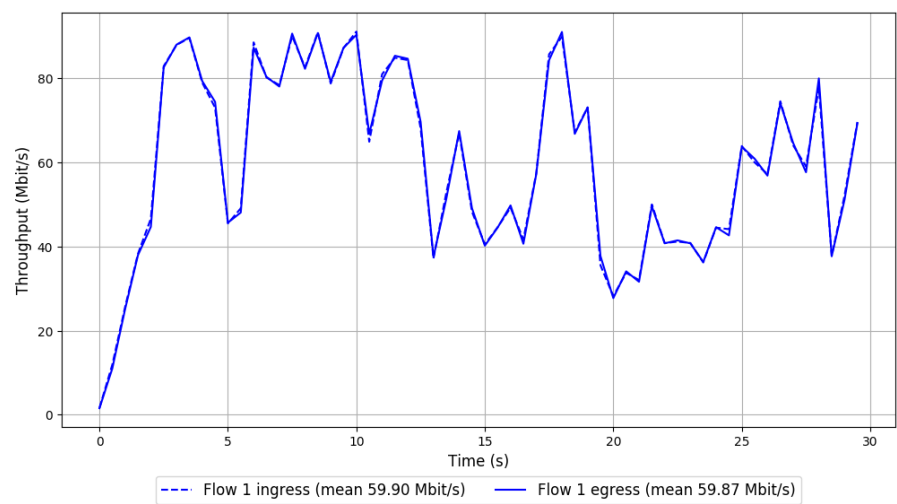


Run 2: Statistics of Vivace-latency

Start at: 2018-02-12 22:15:57
End at: 2018-02-12 22:16:27
Local clock offset: -4.087 ms
Remote clock offset: -25.067 ms

Below is generated by plot.py at 2018-02-13 04:51:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: 22.784 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: 22.784 ms
Loss rate: 0.09%

Run 2: Report of Vivace-latency — Data Link

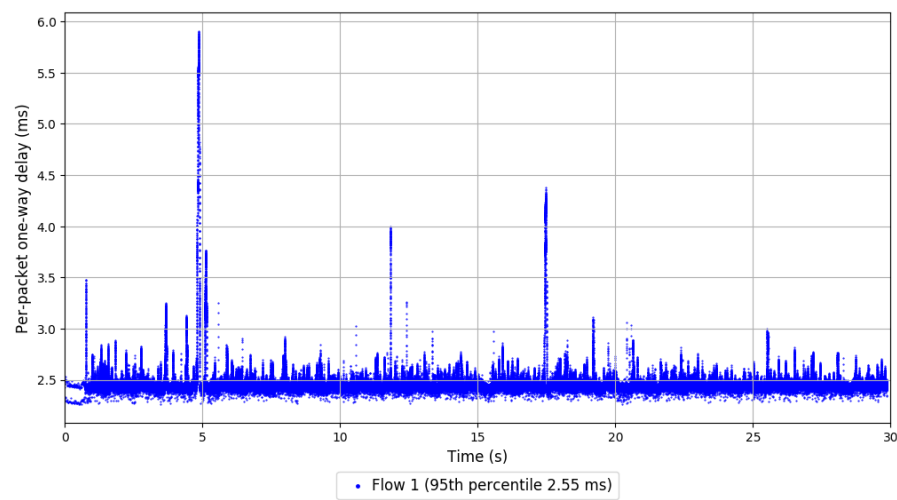
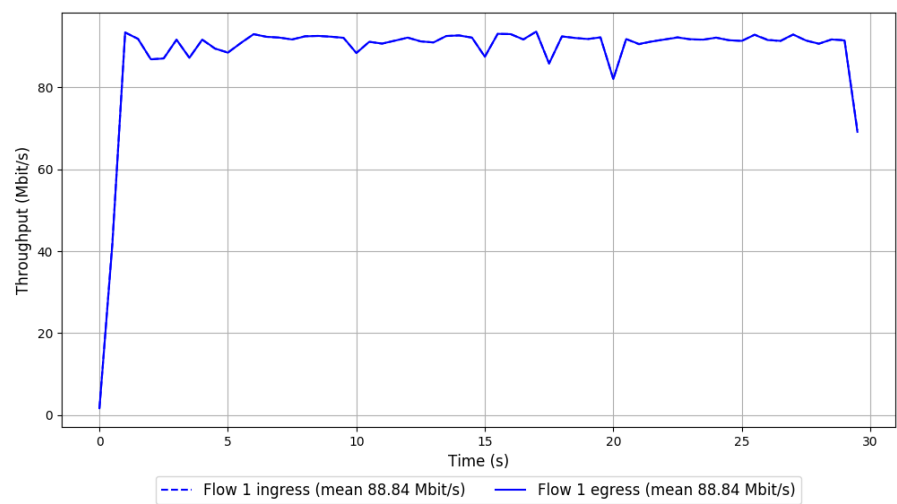


Run 3: Statistics of Vivace-latency

Start at: 2018-02-12 22:36:13
End at: 2018-02-12 22:36:43
Local clock offset: -3.919 ms
Remote clock offset: -4.675 ms

Below is generated by plot.py at 2018-02-13 04:51:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: 2.549 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: 2.549 ms
Loss rate: 0.02%

Run 3: Report of Vivace-latency — Data Link

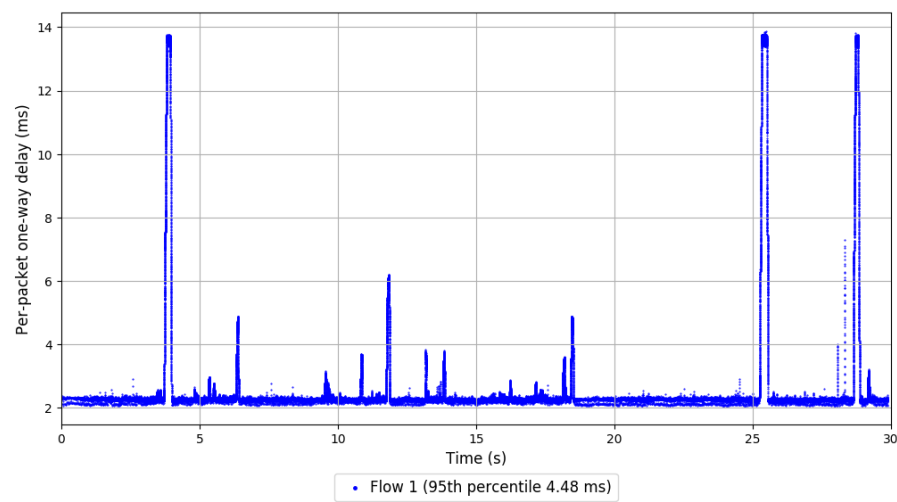
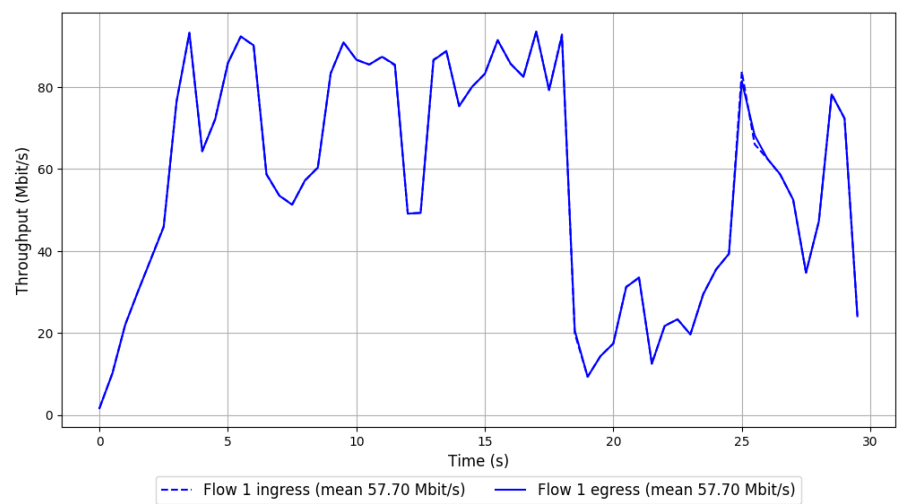


Run 4: Statistics of Vivace-latency

Start at: 2018-02-12 22:56:30
End at: 2018-02-12 22:57:00
Local clock offset: -3.99 ms
Remote clock offset: -4.422 ms

Below is generated by plot.py at 2018-02-13 04:51:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 4.477 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 4.477 ms
Loss rate: 0.01%

Run 4: Report of Vivace-latency — Data Link

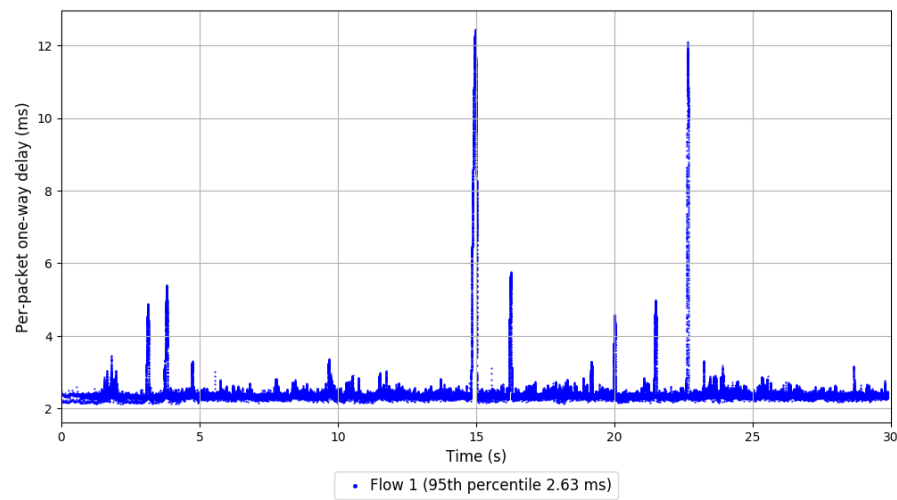
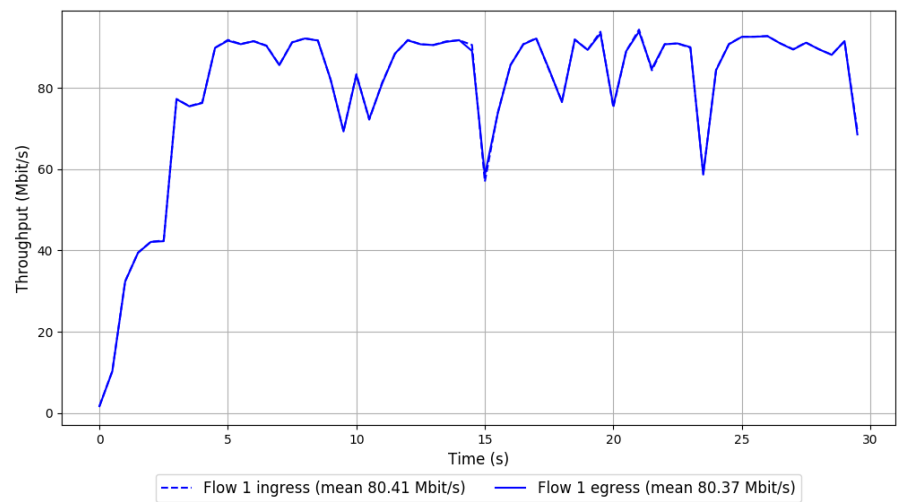


Run 5: Statistics of Vivace-latency

Start at: 2018-02-12 23:16:46
End at: 2018-02-12 23:17:16
Local clock offset: -3.955 ms
Remote clock offset: -4.491 ms

Below is generated by plot.py at 2018-02-13 04:51:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.37 Mbit/s
95th percentile per-packet one-way delay: 2.626 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 80.37 Mbit/s
95th percentile per-packet one-way delay: 2.626 ms
Loss rate: 0.07%

Run 5: Report of Vivace-latency — Data Link

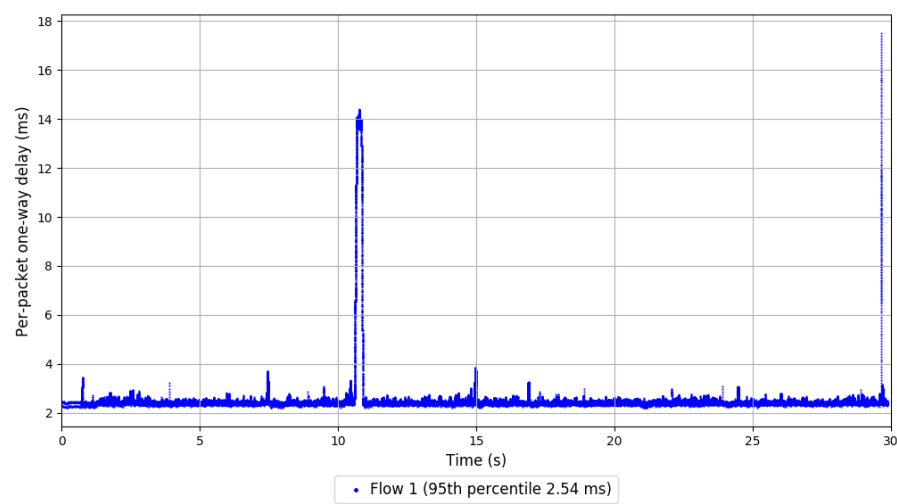
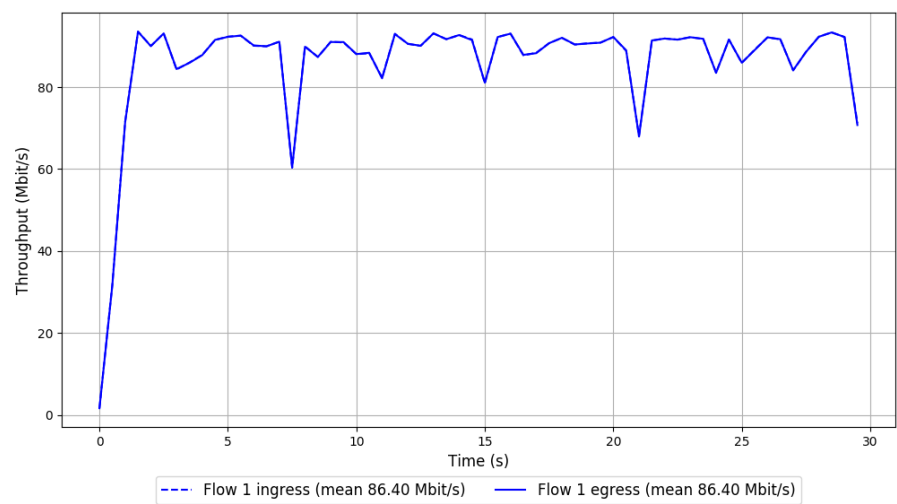


Run 6: Statistics of Vivace-latency

Start at: 2018-02-12 23:37:01
End at: 2018-02-12 23:37:31
Local clock offset: -3.895 ms
Remote clock offset: -4.856 ms

Below is generated by plot.py at 2018-02-13 04:52:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 2.537 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 2.537 ms
Loss rate: 0.02%

Run 6: Report of Vivace-latency — Data Link

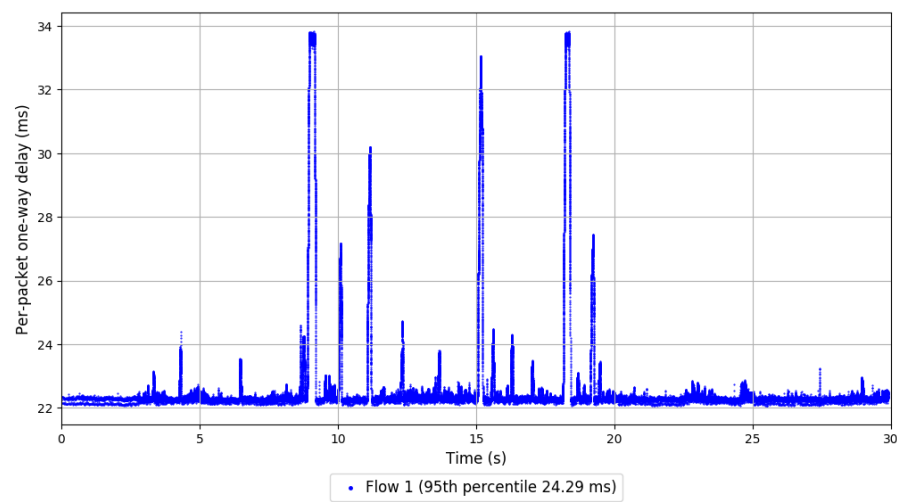
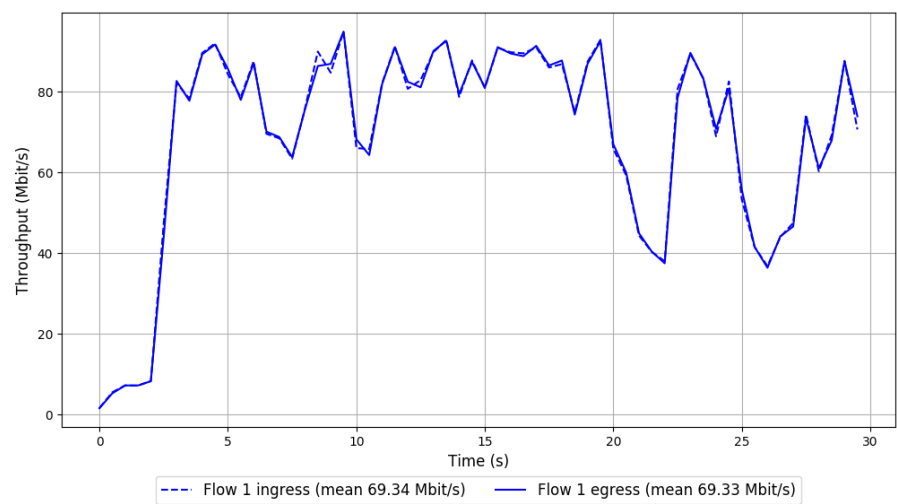


Run 7: Statistics of Vivace-latency

Start at: 2018-02-12 23:57:15
End at: 2018-02-12 23:57:45
Local clock offset: -4.613 ms
Remote clock offset: -25.01 ms

Below is generated by plot.py at 2018-02-13 04:52:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.33 Mbit/s
95th percentile per-packet one-way delay: 24.291 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 69.33 Mbit/s
95th percentile per-packet one-way delay: 24.291 ms
Loss rate: 0.02%

Run 7: Report of Vivace-latency — Data Link

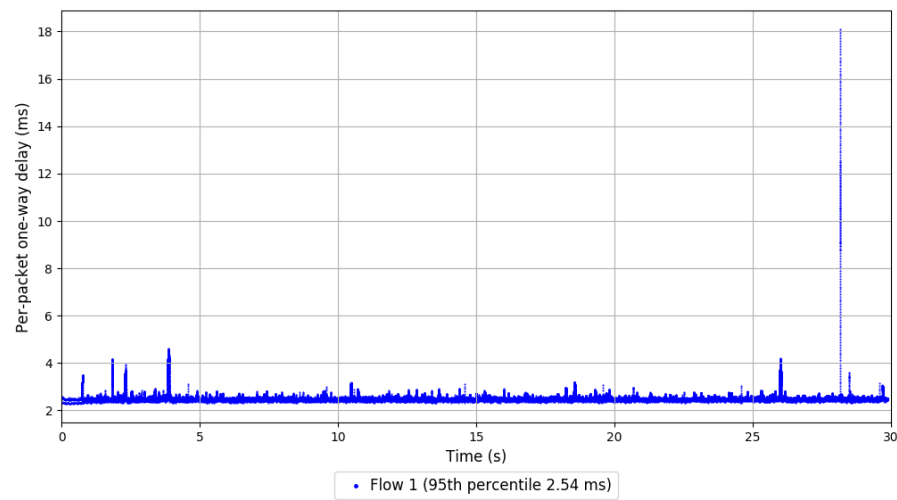
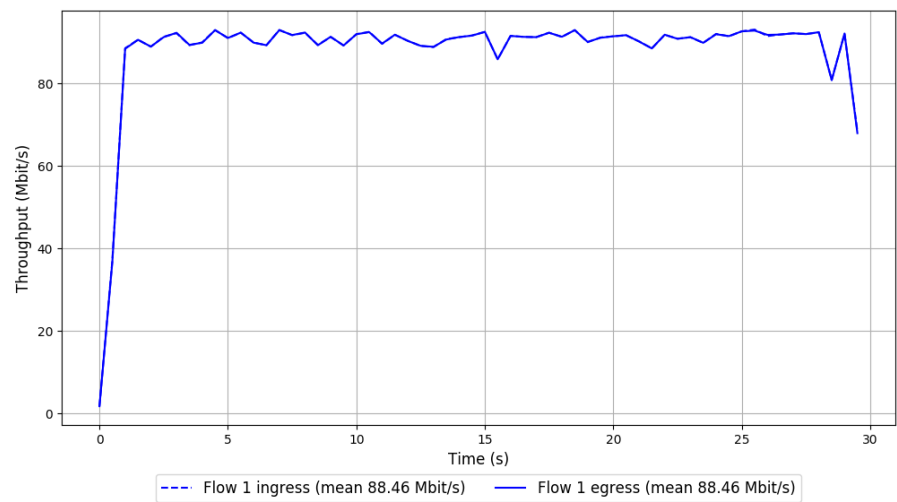


Run 8: Statistics of Vivace-latency

Start at: 2018-02-13 00:17:20
End at: 2018-02-13 00:17:50
Local clock offset: -4.946 ms
Remote clock offset: -4.994 ms

Below is generated by plot.py at 2018-02-13 04:52:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.46 Mbit/s
95th percentile per-packet one-way delay: 2.545 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.46 Mbit/s
95th percentile per-packet one-way delay: 2.545 ms
Loss rate: 0.02%

Run 8: Report of Vivace-latency — Data Link

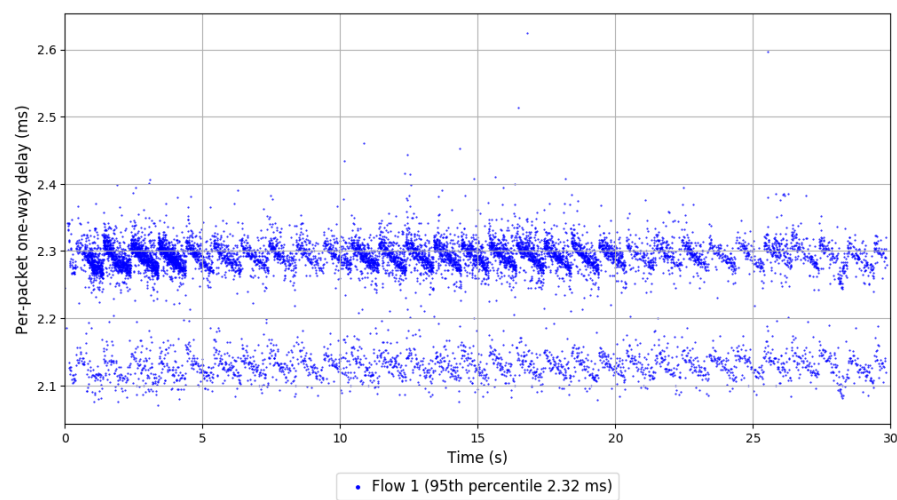
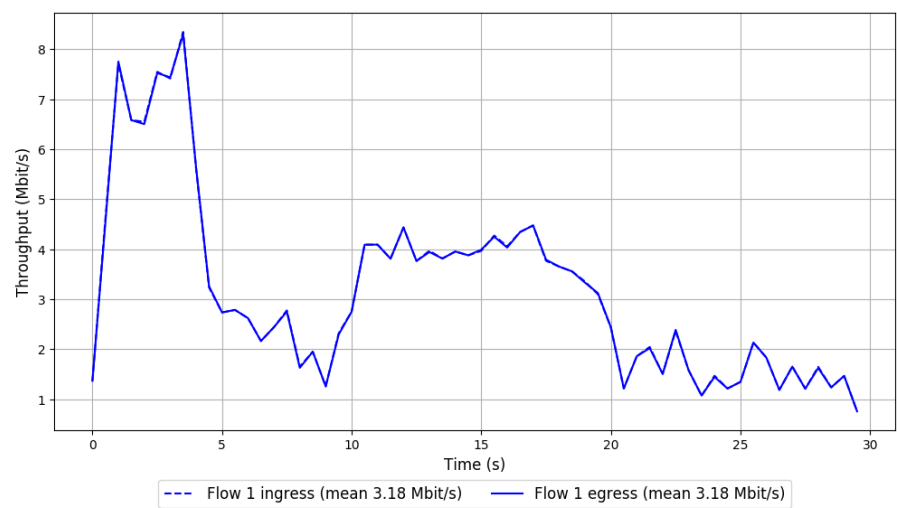


Run 9: Statistics of Vivace-latency

Start at: 2018-02-13 00:37:31
End at: 2018-02-13 00:38:01
Local clock offset: -5.435 ms
Remote clock offset: -4.911 ms

Below is generated by plot.py at 2018-02-13 04:52:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.11%

Run 9: Report of Vivace-latency — Data Link

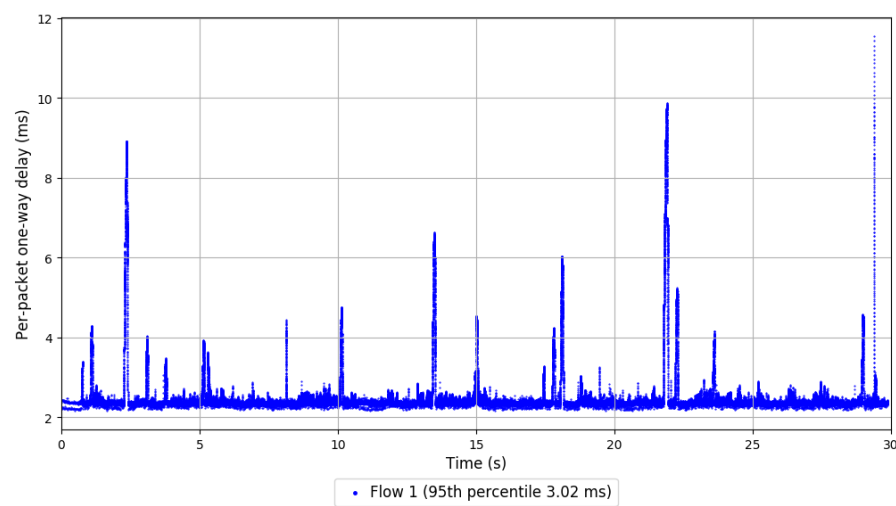
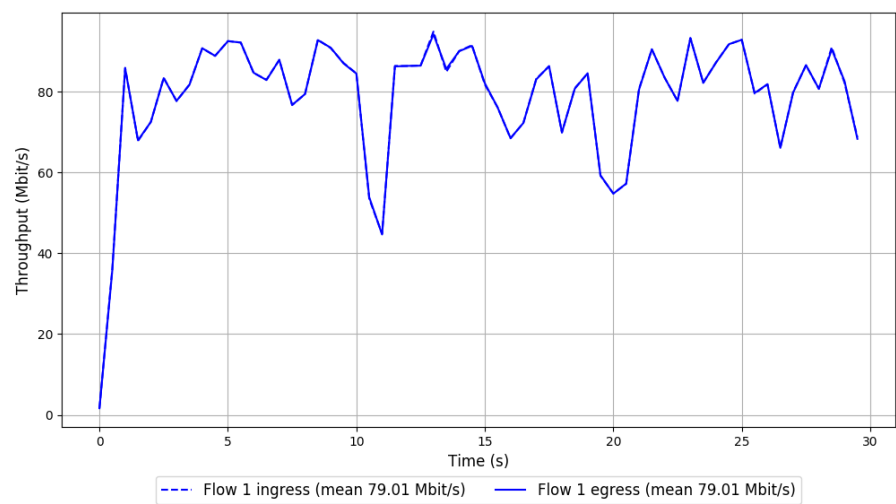


Run 10: Statistics of Vivace-latency

Start at: 2018-02-13 00:57:46
End at: 2018-02-13 00:58:16
Local clock offset: -5.19 ms
Remote clock offset: -4.913 ms

Below is generated by plot.py at 2018-02-13 04:52:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.01 Mbit/s
95th percentile per-packet one-way delay: 3.020 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 79.01 Mbit/s
95th percentile per-packet one-way delay: 3.020 ms
Loss rate: 0.02%

Run 10: Report of Vivace-latency — Data Link

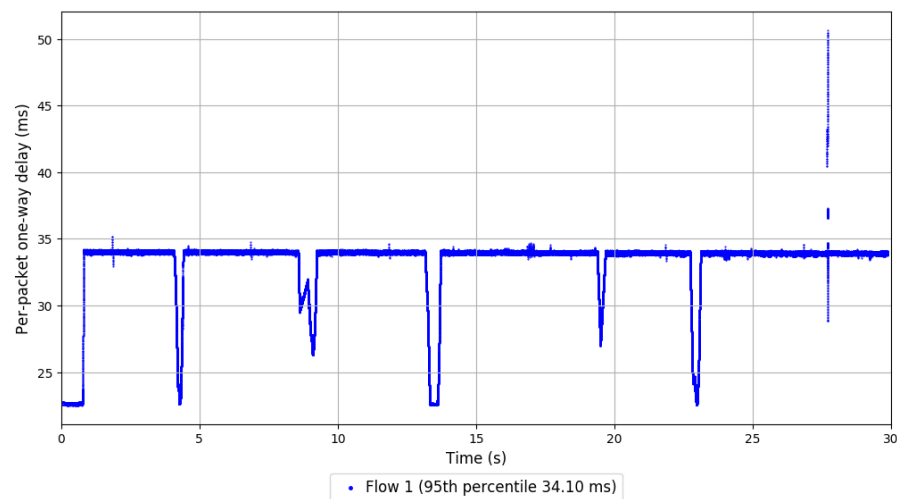
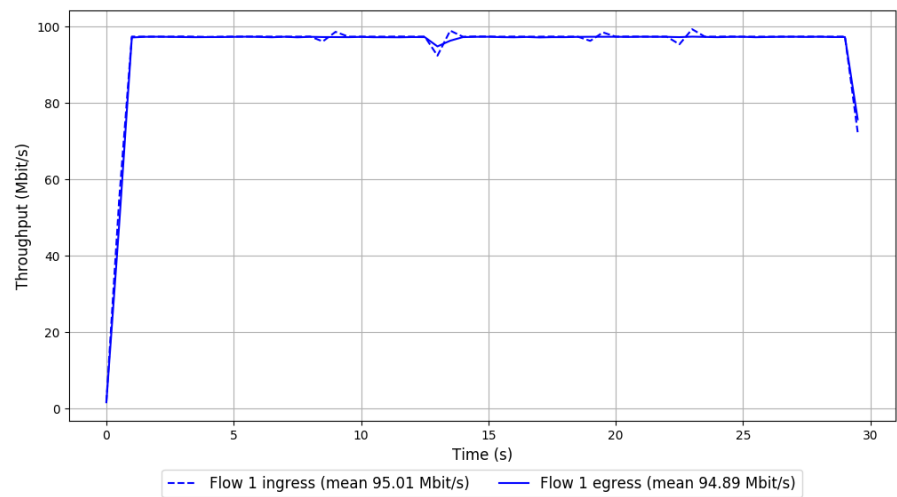


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-12 21:48:04
End at: 2018-02-12 21:48:34
Local clock offset: -4.823 ms
Remote clock offset: -23.652 ms

# Below is generated by plot.py at 2018-02-13 04:52:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 34.102 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 34.102 ms
Loss rate: 0.16%
```

Run 1: Report of Vivace-loss — Data Link

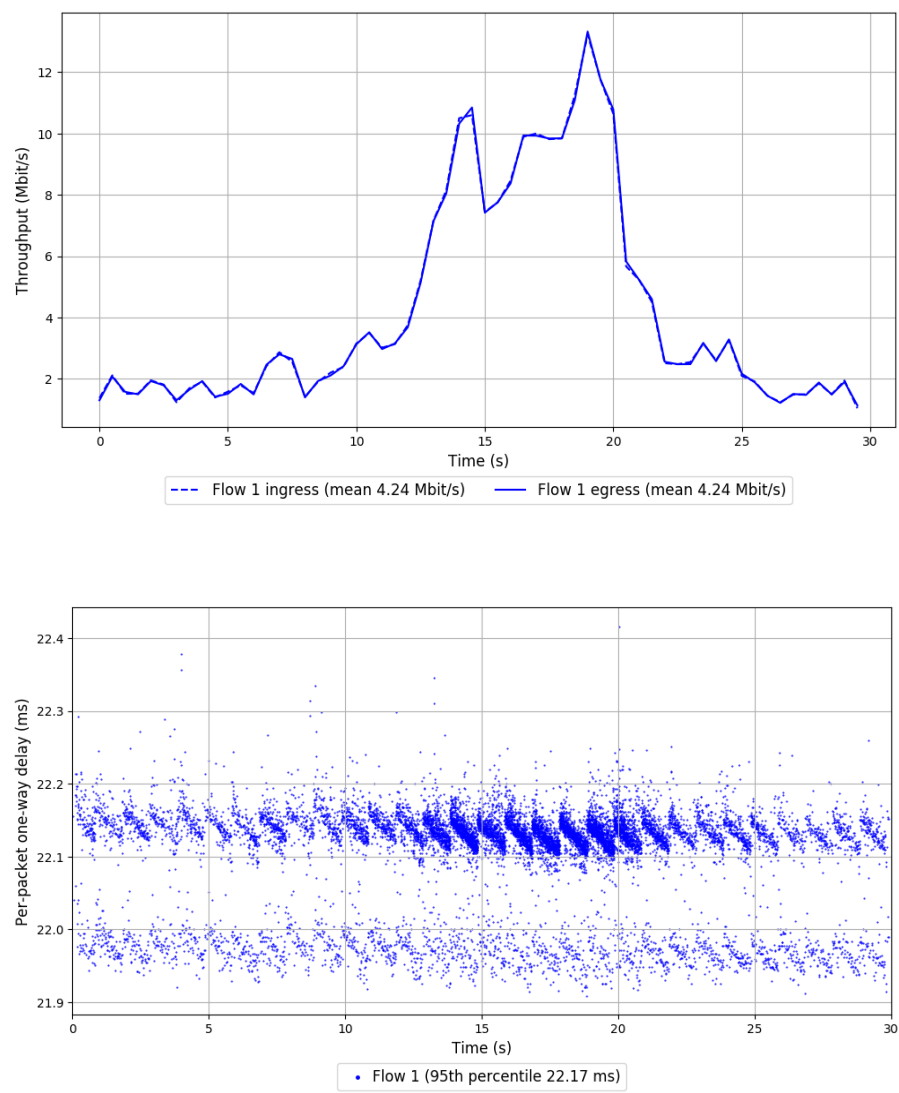


Run 2: Statistics of Vivace-loss

Start at: 2018-02-12 22:08:14
End at: 2018-02-12 22:08:44
Local clock offset: -4.192 ms
Remote clock offset: -24.608 ms

Below is generated by plot.py at 2018-02-13 04:52:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 22.170 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 22.170 ms
Loss rate: 0.01%

Run 2: Report of Vivace-loss — Data Link

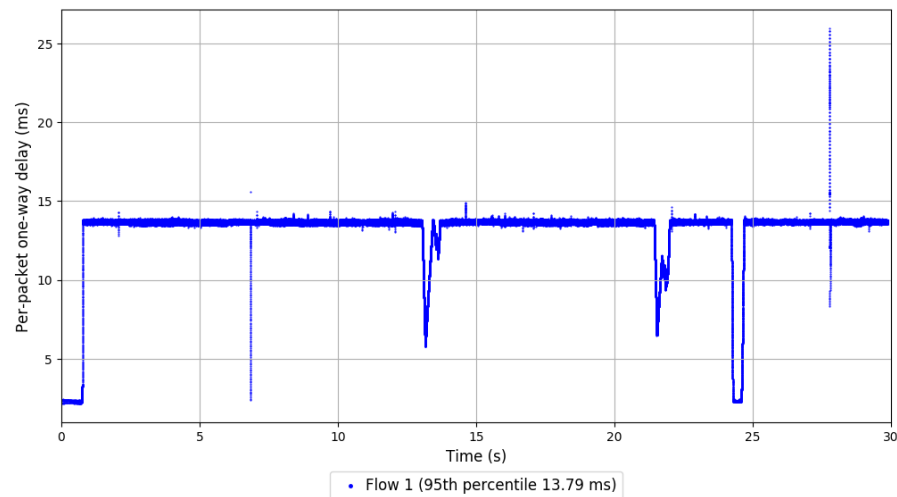
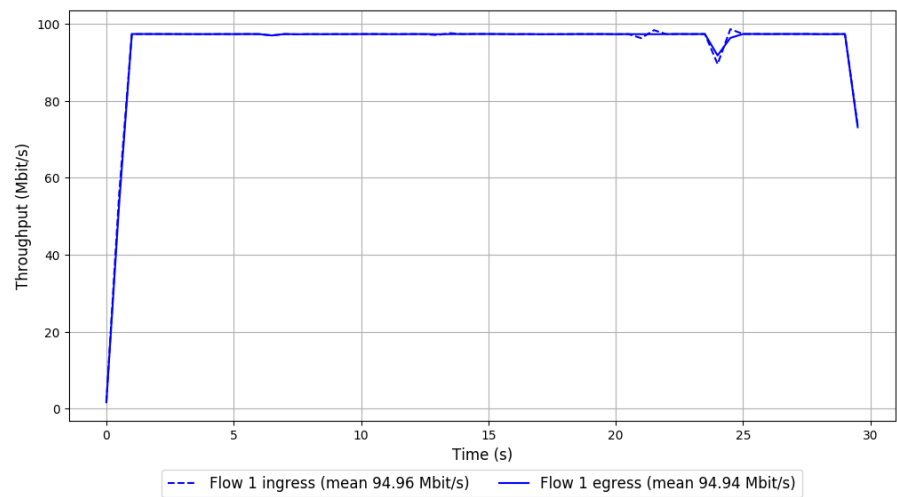


Run 3: Statistics of Vivace-loss

Start at: 2018-02-12 22:28:21
End at: 2018-02-12 22:28:51
Local clock offset: -3.849 ms
Remote clock offset: -4.703 ms

Below is generated by plot.py at 2018-02-13 04:52:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 13.792 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 13.792 ms
Loss rate: 0.06%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-12 22:48:38

End at: 2018-02-12 22:49:08

Local clock offset: -3.936 ms

Remote clock offset: -24.093 ms

Below is generated by plot.py at 2018-02-13 04:52:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 33.482 ms

Loss rate: 0.06%

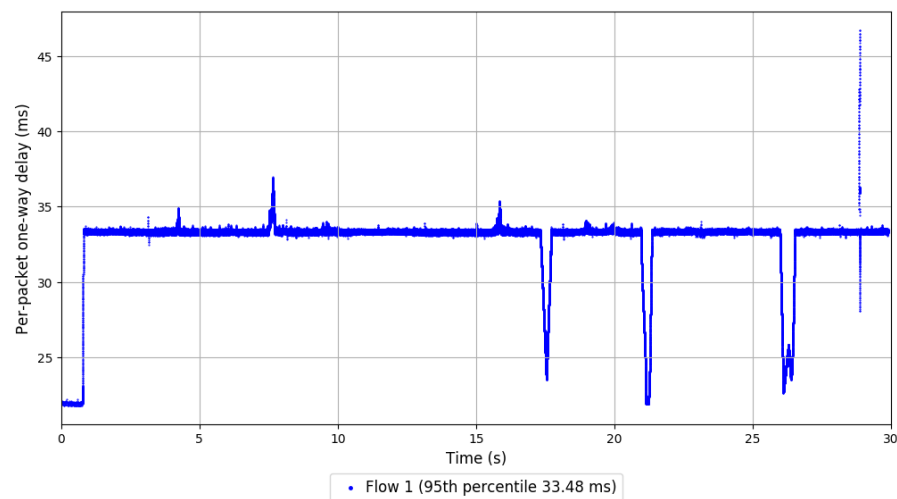
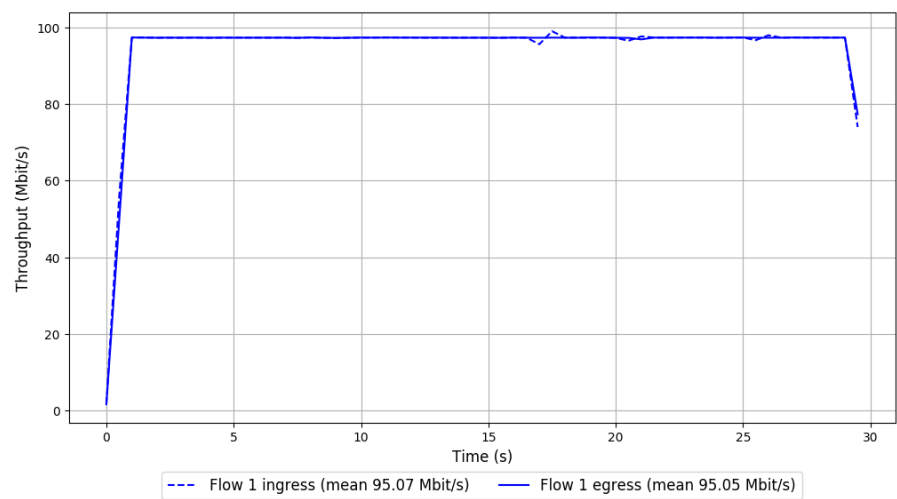
-- Flow 1:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 33.482 ms

Loss rate: 0.06%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-12 23:08:55

End at: 2018-02-12 23:09:25

Local clock offset: -3.969 ms

Remote clock offset: -4.608 ms

Below is generated by plot.py at 2018-02-13 04:53:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 13.859 ms

Loss rate: 0.06%

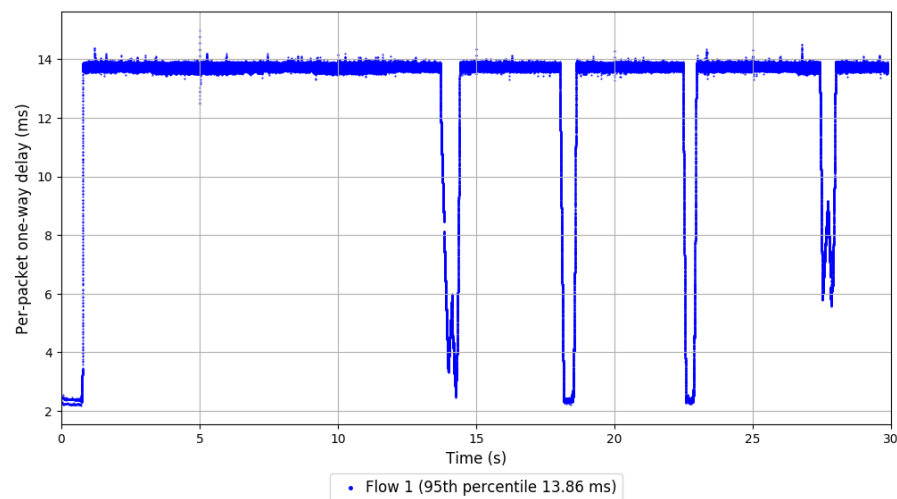
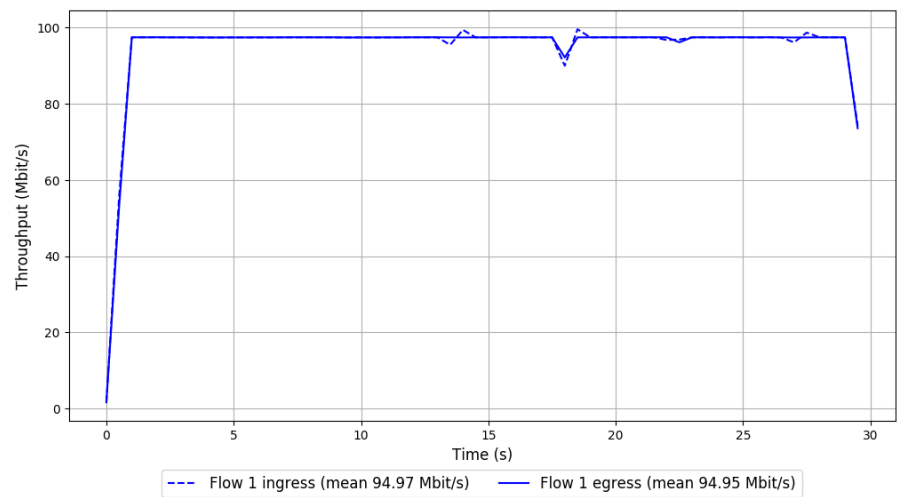
-- Flow 1:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 13.859 ms

Loss rate: 0.06%

Run 5: Report of Vivace-loss — Data Link

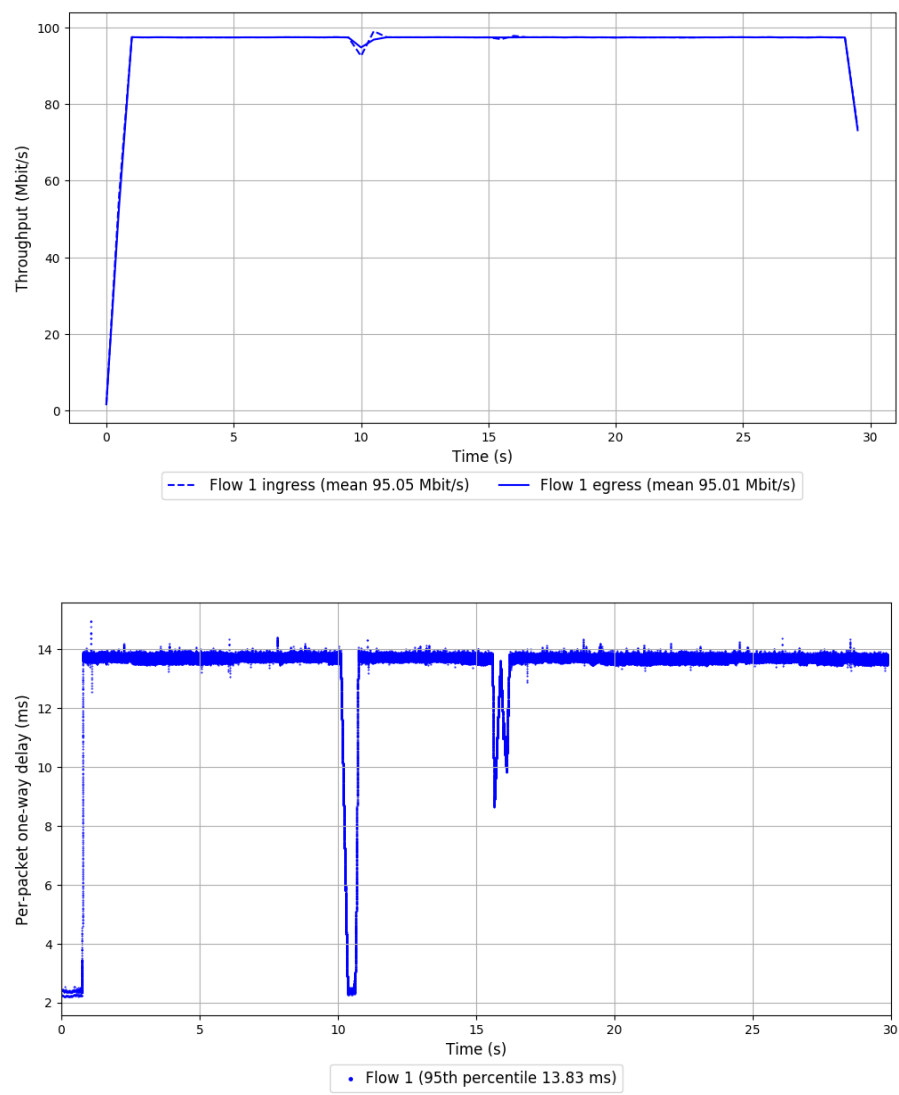


Run 6: Statistics of Vivace-loss

Start at: 2018-02-12 23:29:13
End at: 2018-02-12 23:29:43
Local clock offset: -3.907 ms
Remote clock offset: -4.407 ms

Below is generated by plot.py at 2018-02-13 04:53:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 13.827 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 13.827 ms
Loss rate: 0.06%

Run 6: Report of Vivace-loss — Data Link

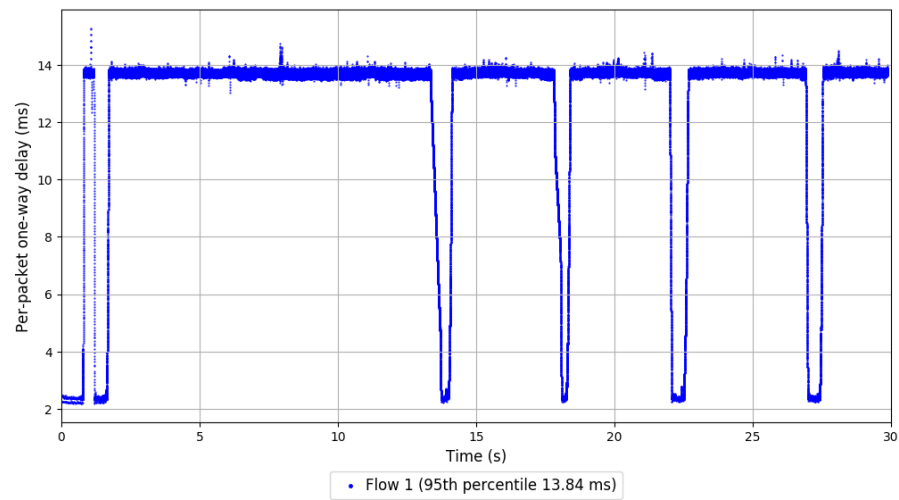
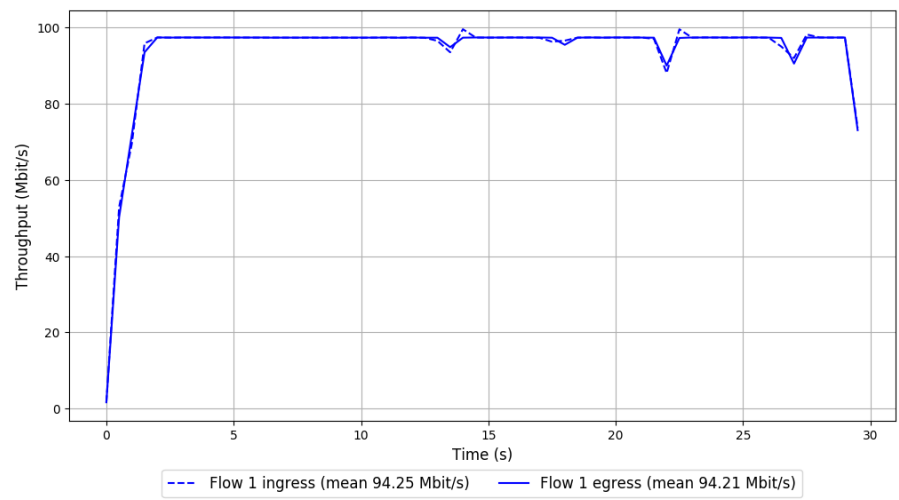


Run 7: Statistics of Vivace-loss

Start at: 2018-02-12 23:49:27
End at: 2018-02-12 23:49:57
Local clock offset: -4.487 ms
Remote clock offset: -5.074 ms

Below is generated by plot.py at 2018-02-13 04:53:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 13.841 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 13.841 ms
Loss rate: 0.06%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-13 00:09:31

End at: 2018-02-13 00:10:01

Local clock offset: -4.78 ms

Remote clock offset: -5.04 ms

Below is generated by plot.py at 2018-02-13 04:53:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 13.808 ms

Loss rate: 0.06%

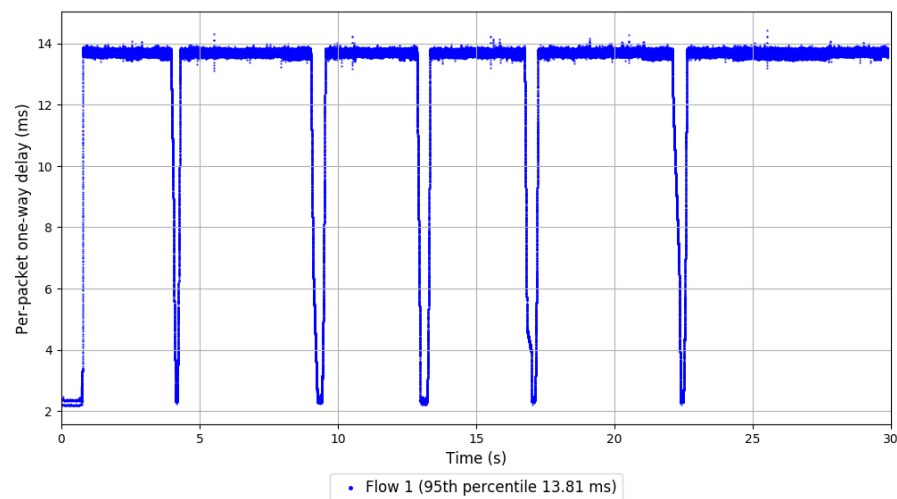
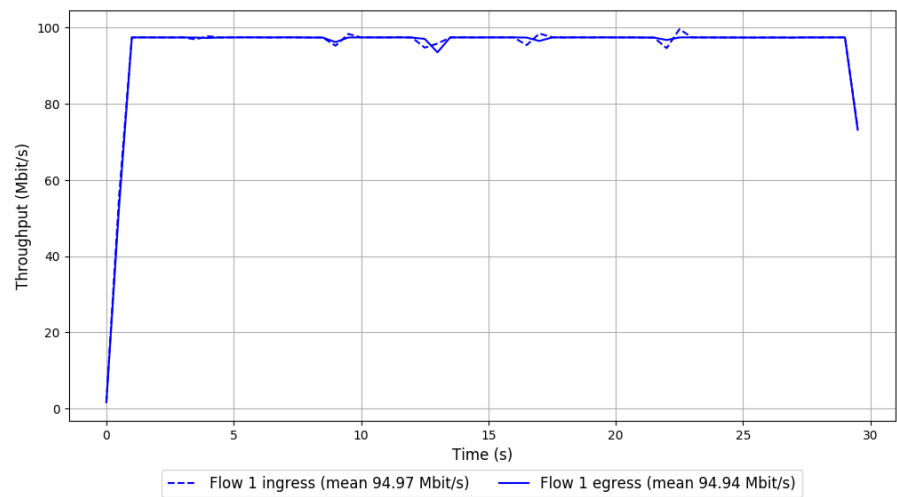
-- Flow 1:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 13.808 ms

Loss rate: 0.06%

Run 8: Report of Vivace-loss — Data Link

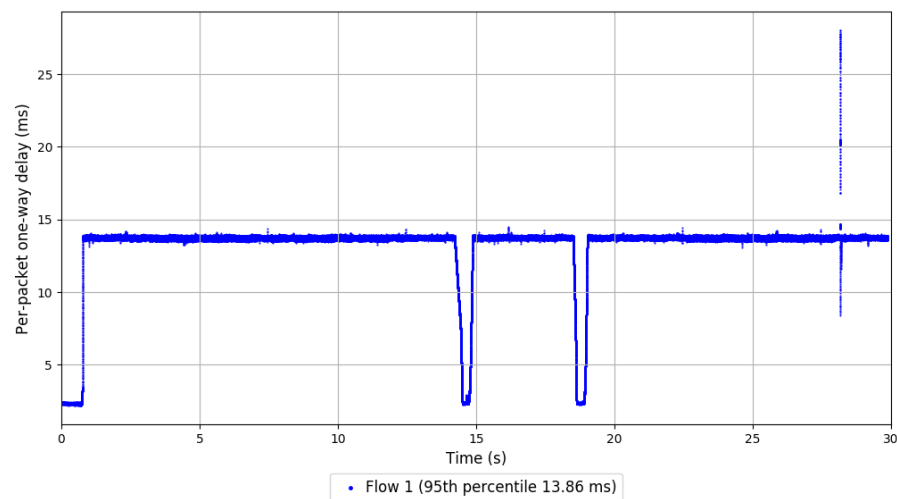
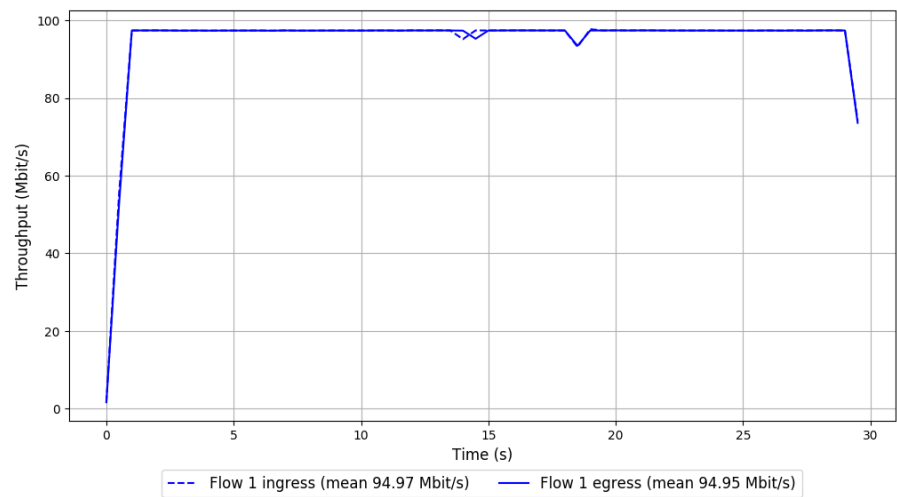


Run 9: Statistics of Vivace-loss

Start at: 2018-02-13 00:29:38
End at: 2018-02-13 00:30:08
Local clock offset: -5.217 ms
Remote clock offset: -4.914 ms

Below is generated by plot.py at 2018-02-13 04:53:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 13.855 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 13.855 ms
Loss rate: 0.06%

Run 9: Report of Vivace-loss — Data Link

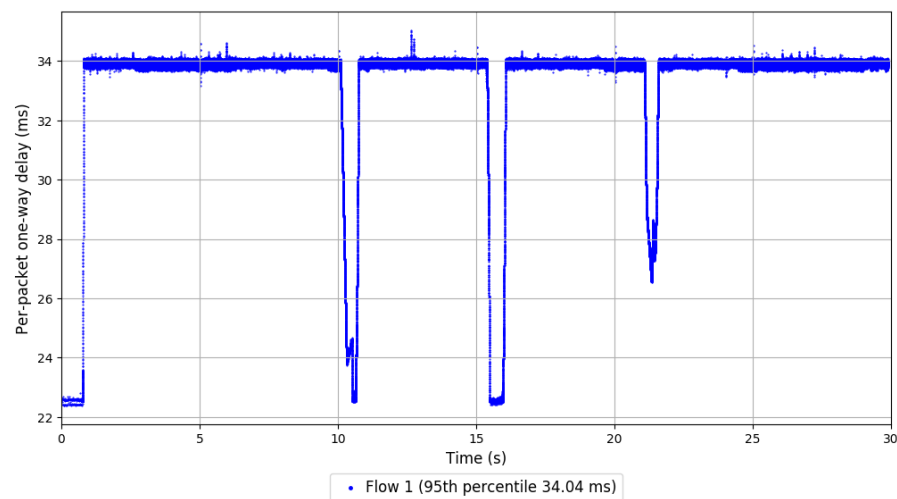
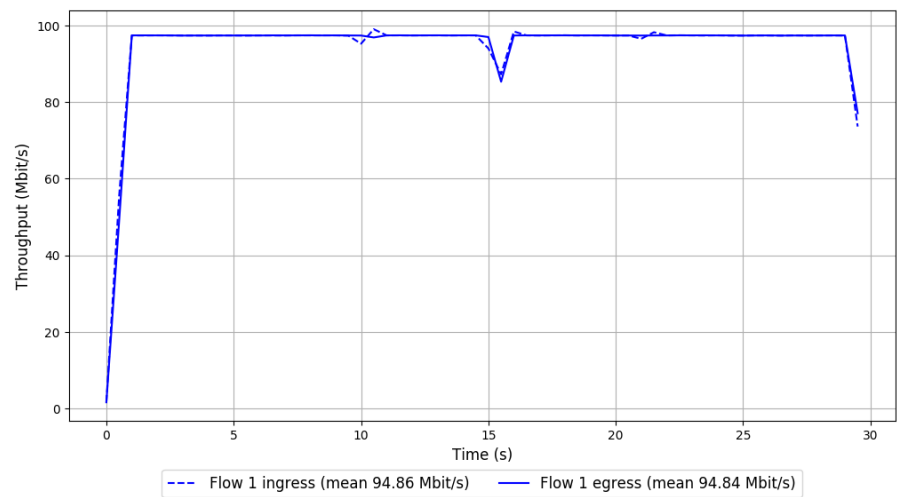


Run 10: Statistics of Vivace-loss

Start at: 2018-02-13 00:49:54
End at: 2018-02-13 00:50:24
Local clock offset: -5.395 ms
Remote clock offset: -25.224 ms

Below is generated by plot.py at 2018-02-13 04:53:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 34.043 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 34.043 ms
Loss rate: 0.06%

Run 10: Report of Vivace-loss — Data Link

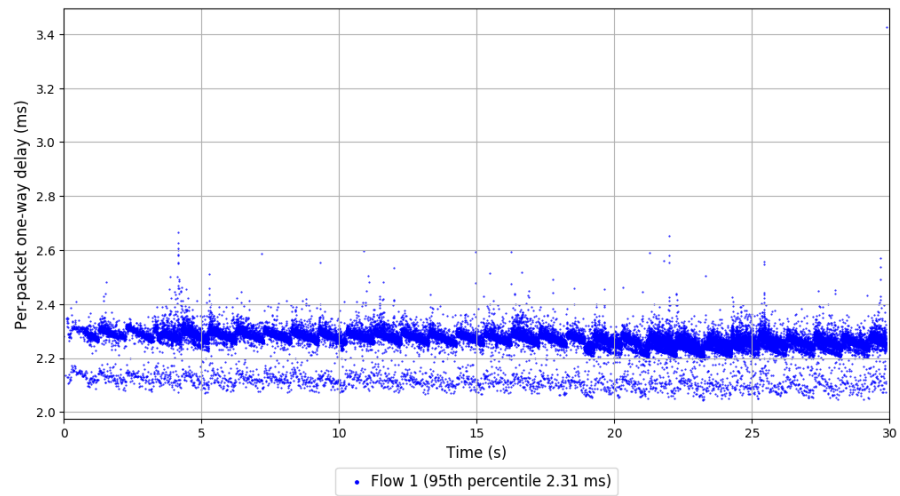
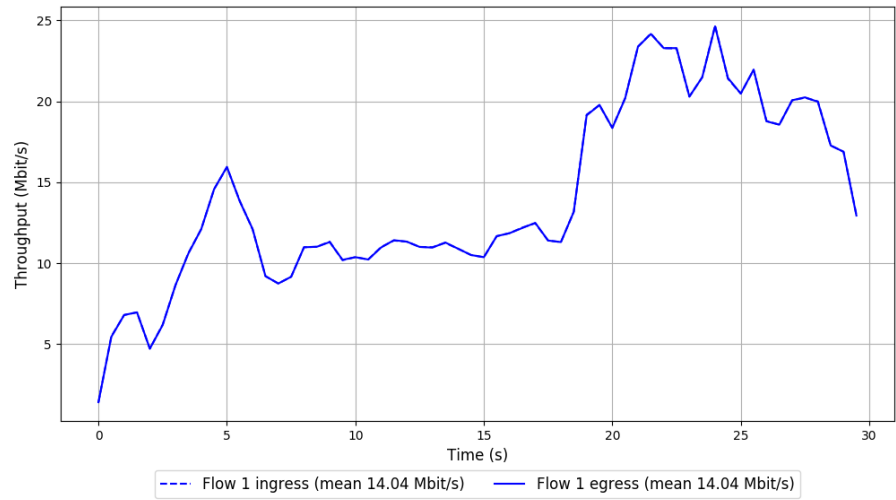


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-12 22:02:40
End at: 2018-02-12 22:03:10
Local clock offset: -4.405 ms
Remote clock offset: -4.703 ms

Below is generated by plot.py at 2018-02-13 04:53:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 2.314 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 2.314 ms
Loss rate: 0.02%

Run 1: Report of Vivace-LTE — Data Link

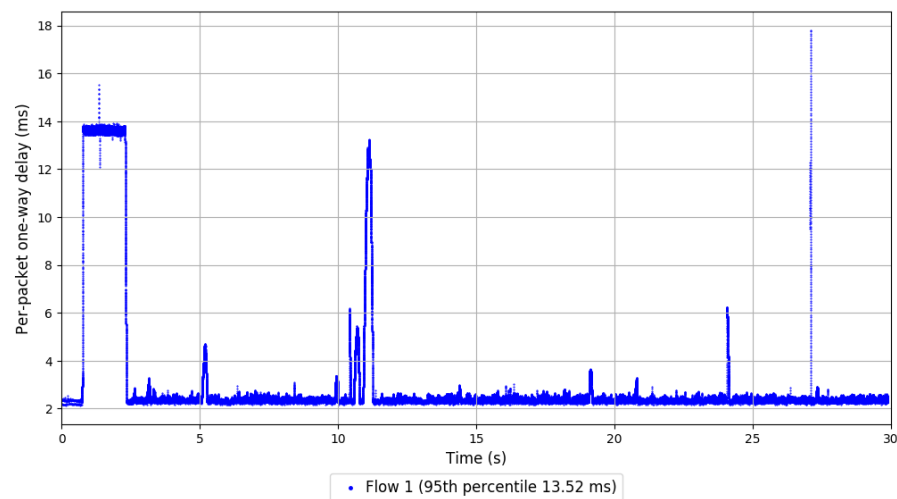
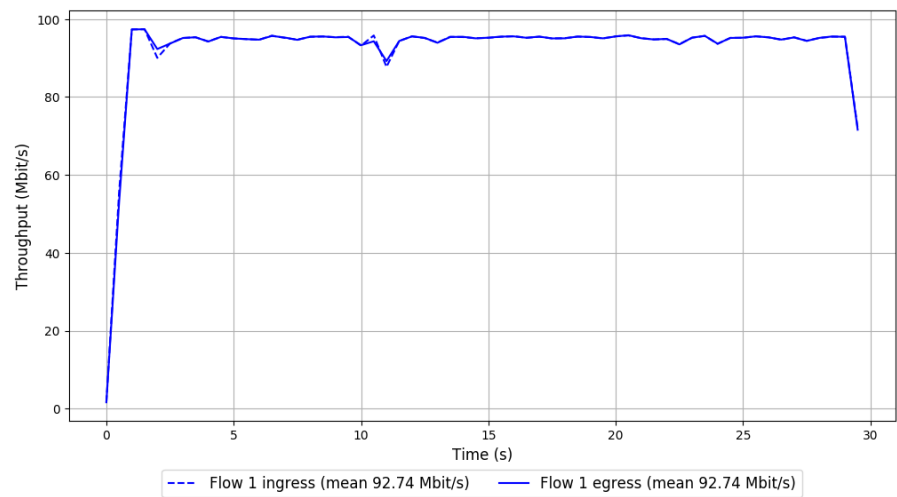


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-12 22:22:44
End at: 2018-02-12 22:23:14
Local clock offset: -4.022 ms
Remote clock offset: -4.828 ms

Below is generated by plot.py at 2018-02-13 04:54:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 13.515 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 13.515 ms
Loss rate: 0.02%

Run 2: Report of Vivace-LTE — Data Link

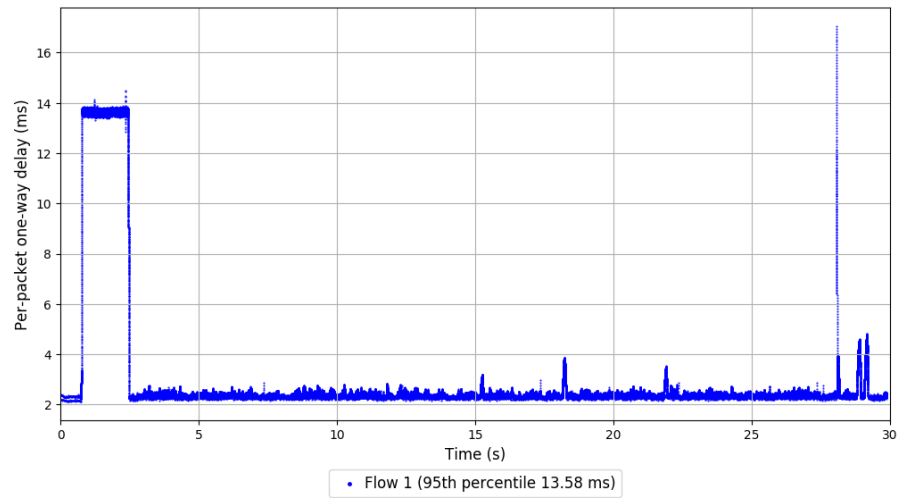
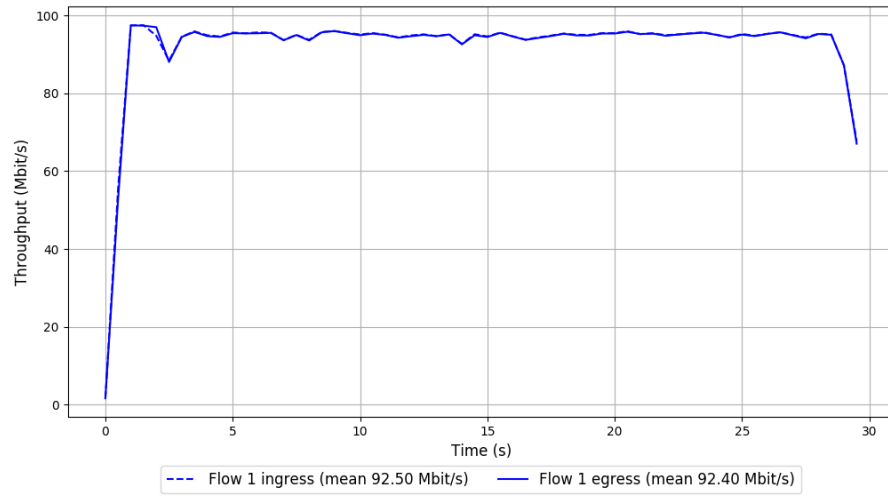


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-12 22:43:01
End at: 2018-02-12 22:43:31
Local clock offset: -4.01 ms
Remote clock offset: -4.556 ms

Below is generated by plot.py at 2018-02-13 04:54:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 13.576 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 13.576 ms
Loss rate: 0.12%

Run 3: Report of Vivace-LTE — Data Link

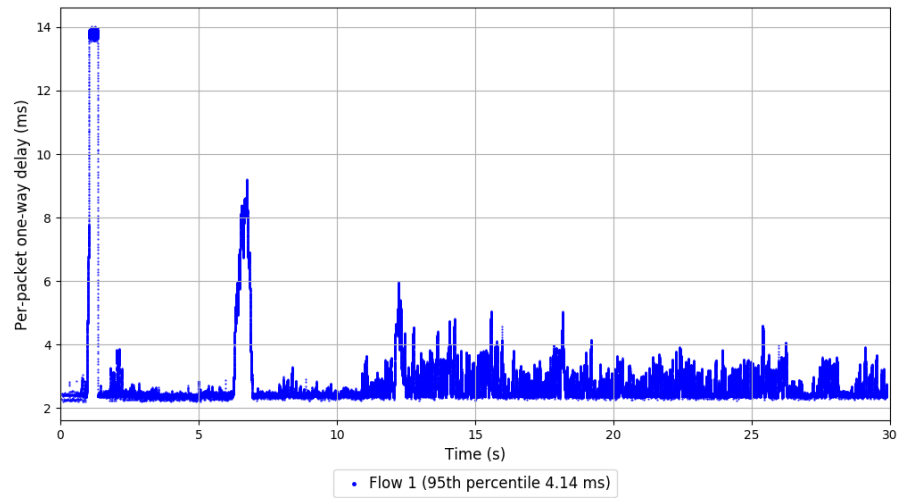
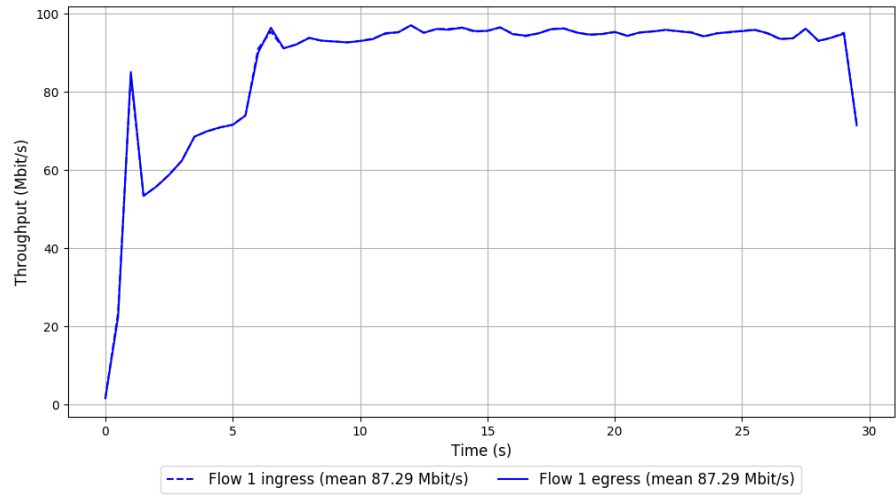


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-12 23:03:16
End at: 2018-02-12 23:03:46
Local clock offset: -3.889 ms
Remote clock offset: -4.585 ms

Below is generated by plot.py at 2018-02-13 04:54:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 4.143 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 4.143 ms
Loss rate: 0.02%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

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

End at: 2018-02-12 23:24:03

Local clock offset: -3.86 ms

Remote clock offset: -4.435 ms

Below is generated by plot.py at 2018-02-13 04:54:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.89 Mbit/s

95th percentile per-packet one-way delay: 13.641 ms

Loss rate: 0.02%

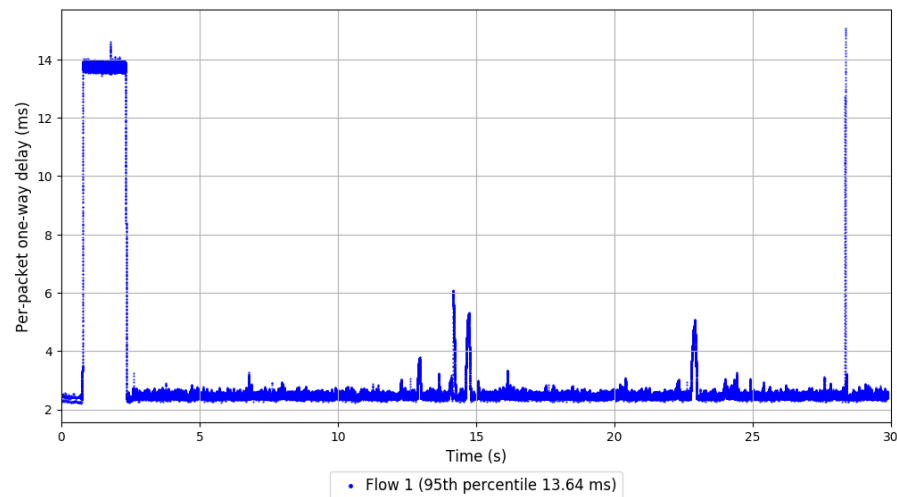
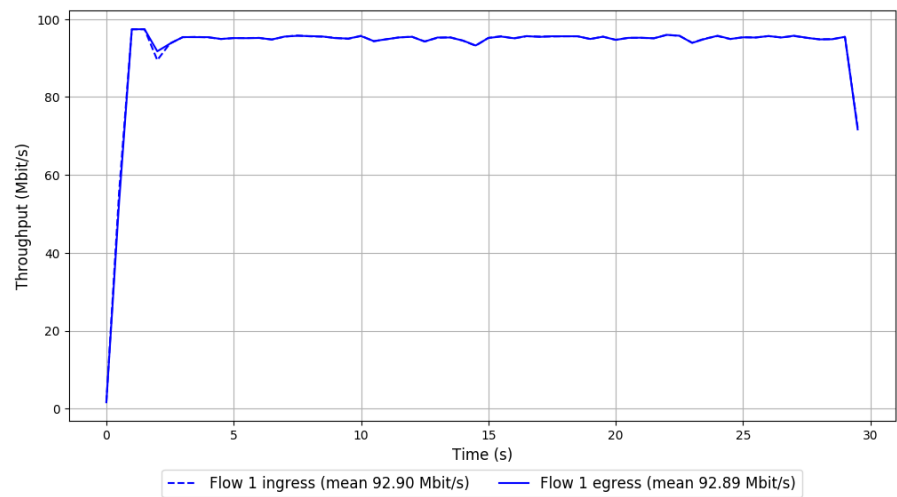
-- Flow 1:

Average throughput: 92.89 Mbit/s

95th percentile per-packet one-way delay: 13.641 ms

Loss rate: 0.02%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-12 23:43:47

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

Local clock offset: -4.29 ms

Remote clock offset: -24.83 ms

Below is generated by plot.py at 2018-02-13 04:54:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 33.436 ms

Loss rate: 0.03%

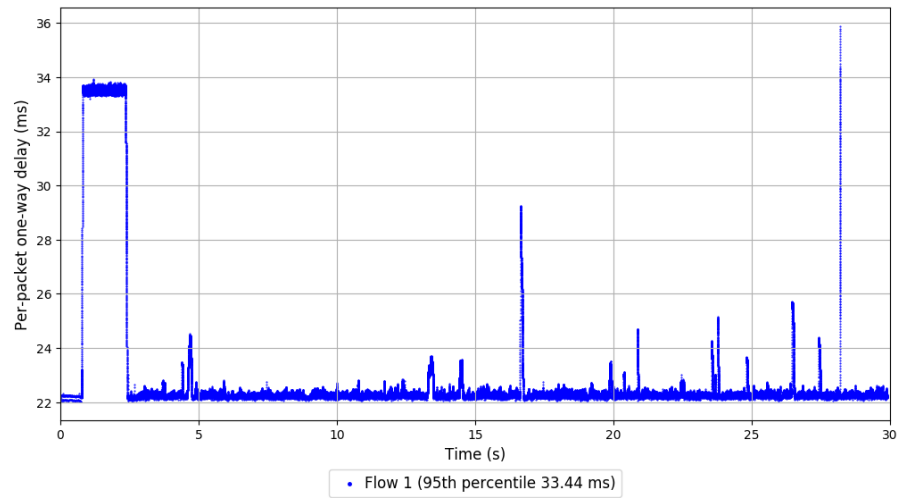
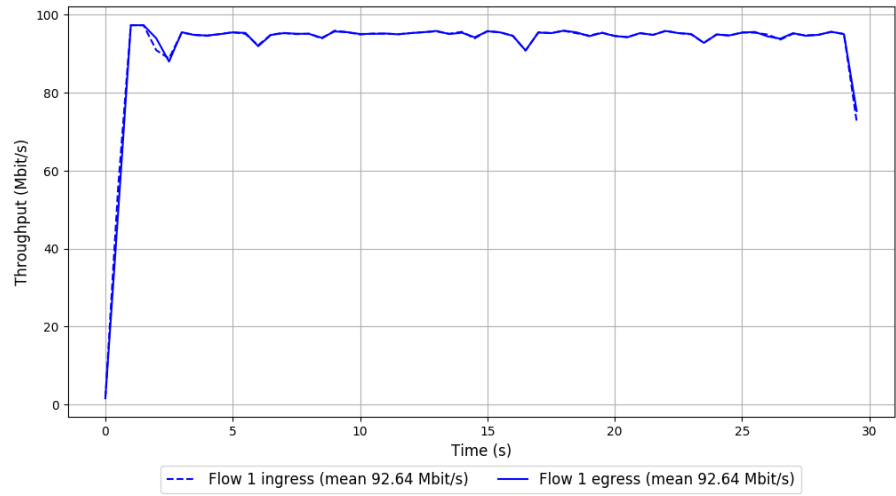
-- Flow 1:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 33.436 ms

Loss rate: 0.03%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-13 00:03:51

End at: 2018-02-13 00:04:21

Local clock offset: -4.722 ms

Remote clock offset: -5.16 ms

Below is generated by plot.py at 2018-02-13 04:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.74 Mbit/s

95th percentile per-packet one-way delay: 13.625 ms

Loss rate: 0.02%

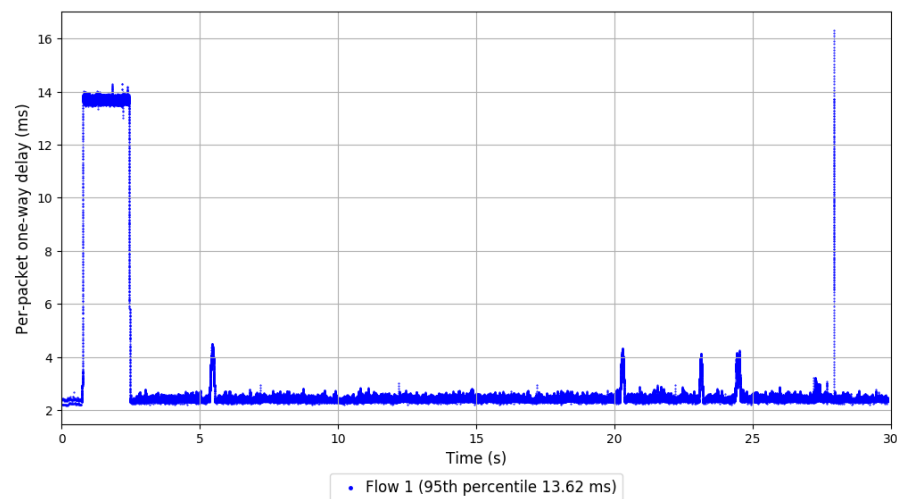
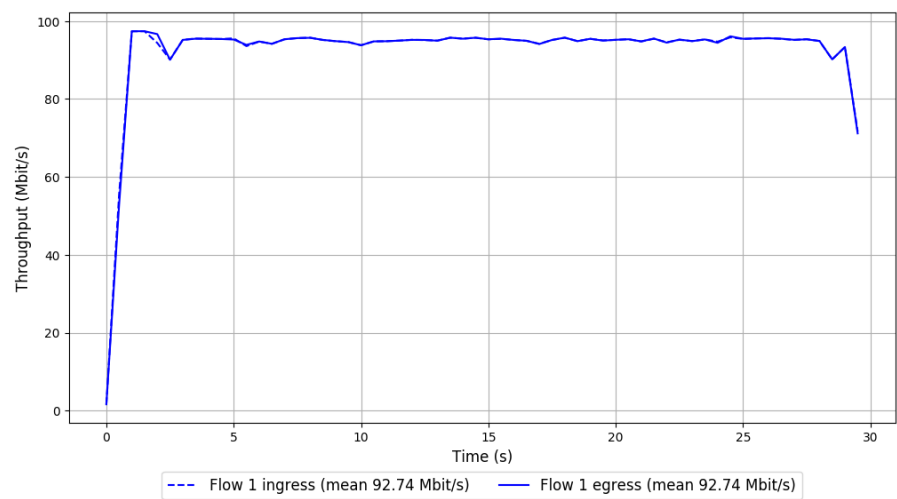
-- Flow 1:

Average throughput: 92.74 Mbit/s

95th percentile per-packet one-way delay: 13.625 ms

Loss rate: 0.02%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-13 00:24:06

End at: 2018-02-13 00:24:36

Local clock offset: -5.212 ms

Remote clock offset: -4.94 ms

Below is generated by plot.py at 2018-02-13 04:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.70 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.03%

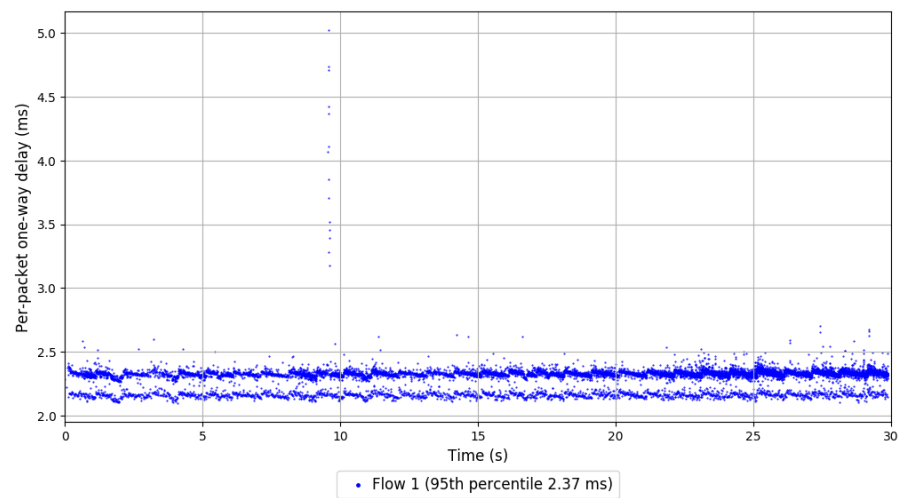
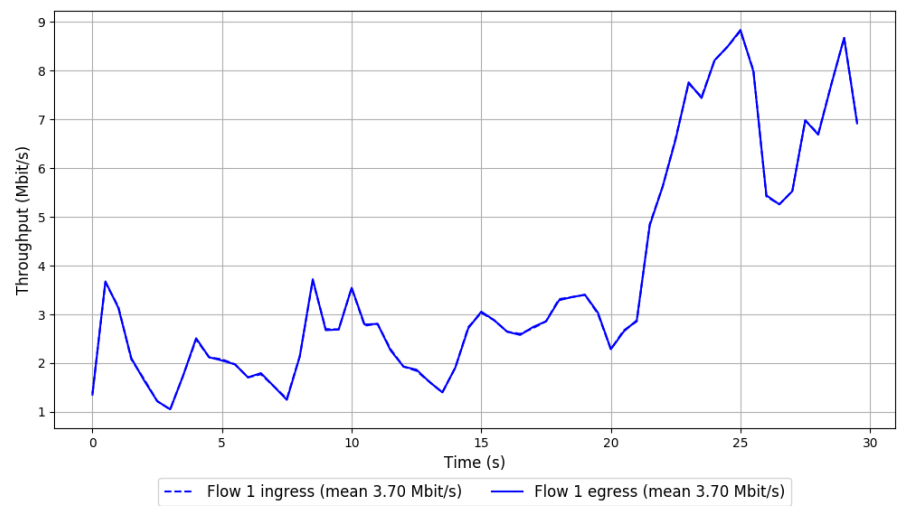
-- Flow 1:

Average throughput: 3.70 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.03%

Run 8: Report of Vivace-LTE — Data Link

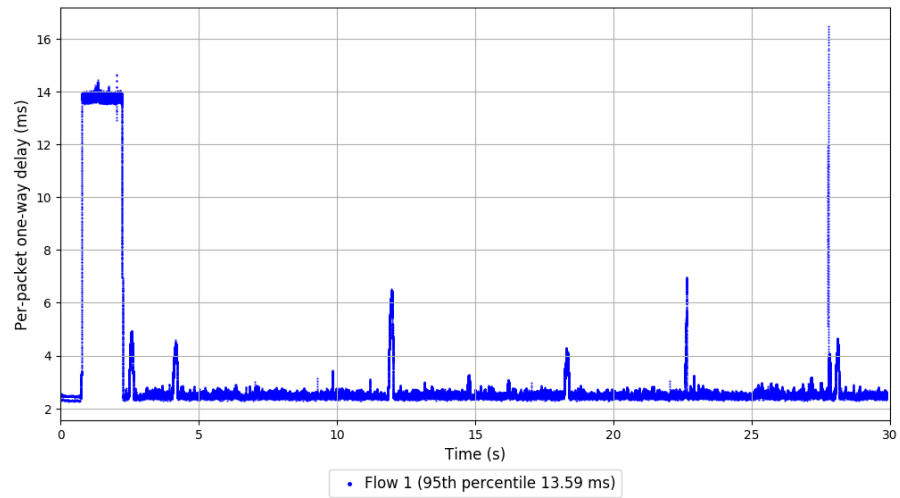
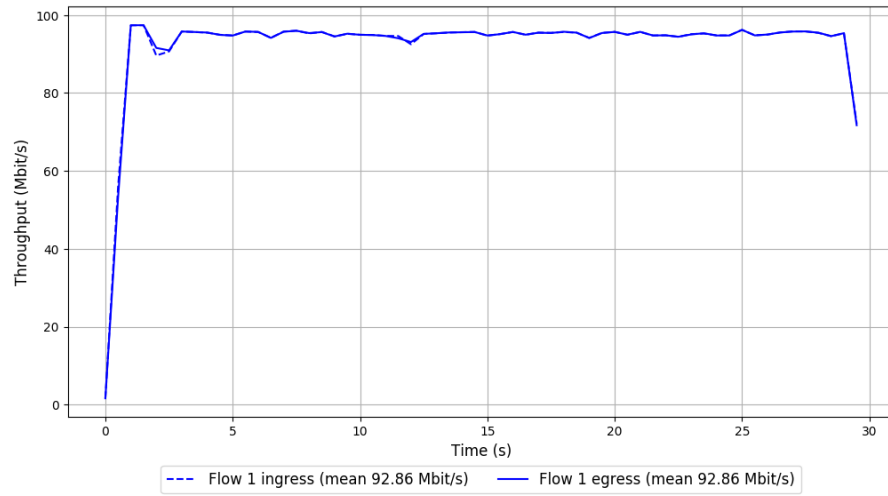


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-13 00:44:14
End at: 2018-02-13 00:44:44
Local clock offset: -5.423 ms
Remote clock offset: -5.005 ms

Below is generated by plot.py at 2018-02-13 04:54:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 13.591 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 13.591 ms
Loss rate: 0.02%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-13 01:04:30
End at: 2018-02-13 01:05:00
Local clock offset: -5.174 ms
Remote clock offset: -4.985 ms

Below is generated by plot.py at 2018-02-13 04:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 13.641 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 13.641 ms
Loss rate: 0.02%

Run 10: Report of Vivace-LTE — Data Link

