

Pantheon Report

Generated at 2018-01-02 05:56:46 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

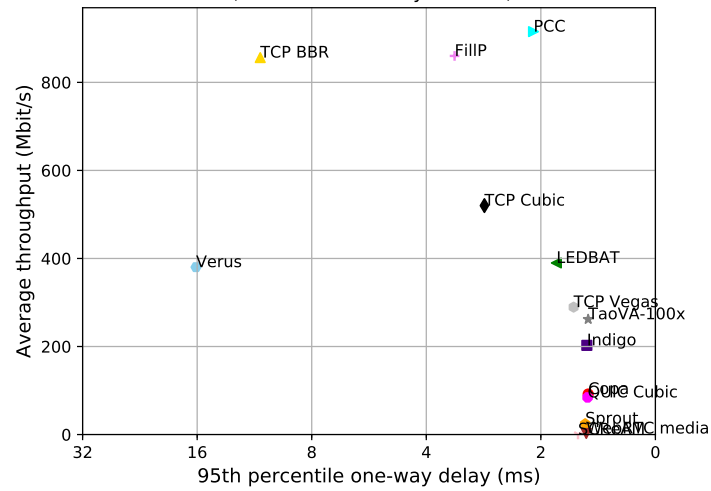
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

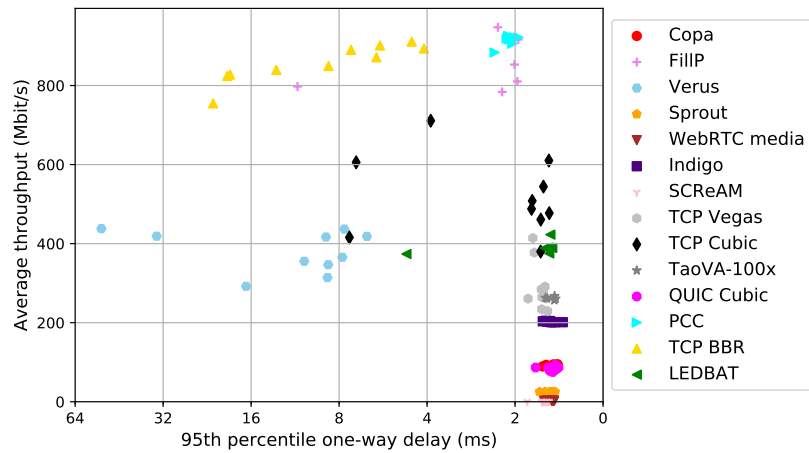
Git summary:

```
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fixlisp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quick @ 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/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



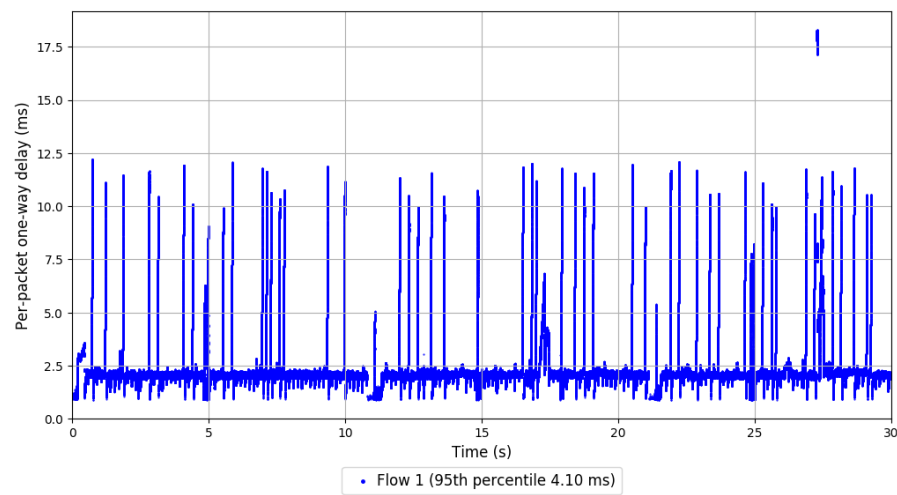
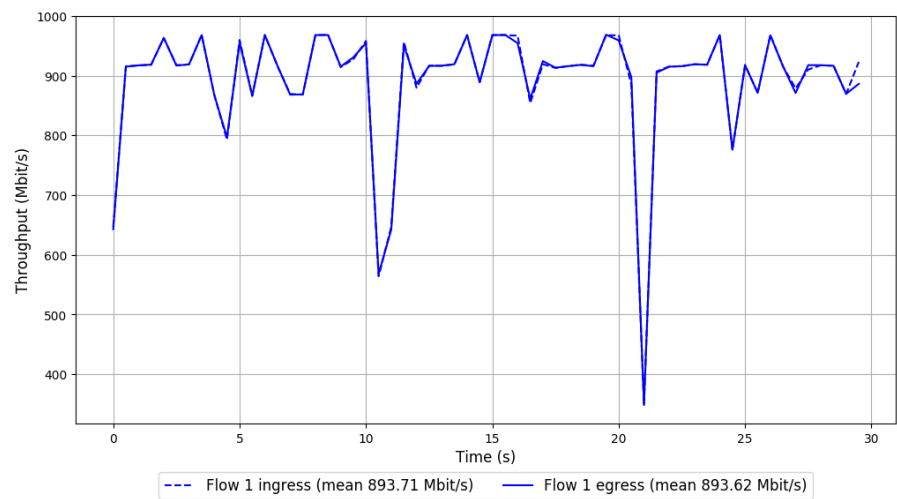
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	856.34	10.92	0.08
TCP Cubic	10	520.10	2.81	0.07
LEDBAT	7	389.79	1.73	0.08
PCC	10	915.29	2.09	0.07
QUIC Cubic	10	84.38	1.18	0.07
SCReAM	10	0.22	1.35	0.13
WebRTC media	10	2.41	1.21	0.07
Sprout	10	24.79	1.23	0.06
TaoVA-100x	5	261.89	1.17	0.07
TCP Vegas	10	289.42	1.43	0.07
Verus	10	380.26	16.12	0.08
Copa	10	92.02	1.17	0.06
FillP	7	860.07	3.37	0.17
Indigo	10	202.61	1.20	0.07

Run 1: Statistics of TCP BBR

Start at: 2018-01-01 21:41:44
End at: 2018-01-01 21:42:14
Local clock offset: -3.529 ms
Remote clock offset: -1.745 ms

Below is generated by plot.py at 2018-01-02 04:44:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 893.62 Mbit/s
95th percentile per-packet one-way delay: 4.101 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 893.62 Mbit/s
95th percentile per-packet one-way delay: 4.101 ms
Loss rate: 0.08%

Run 1: Report of TCP BBR — Data Link

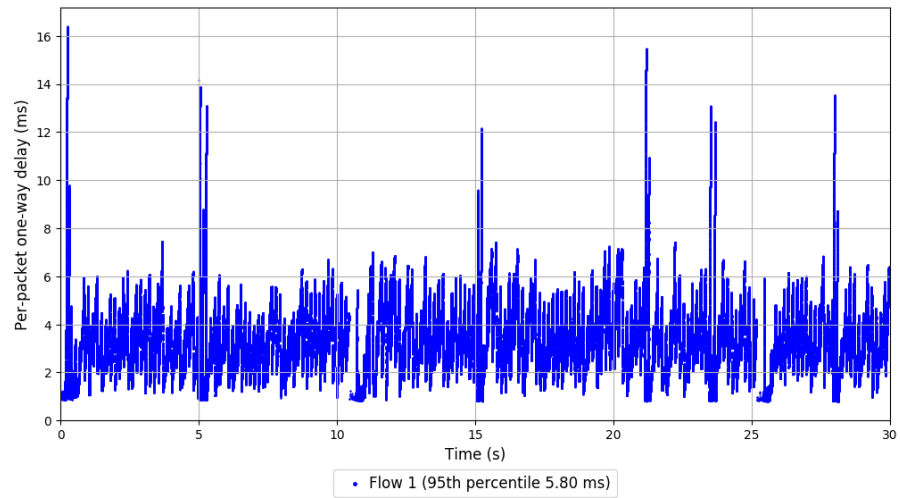
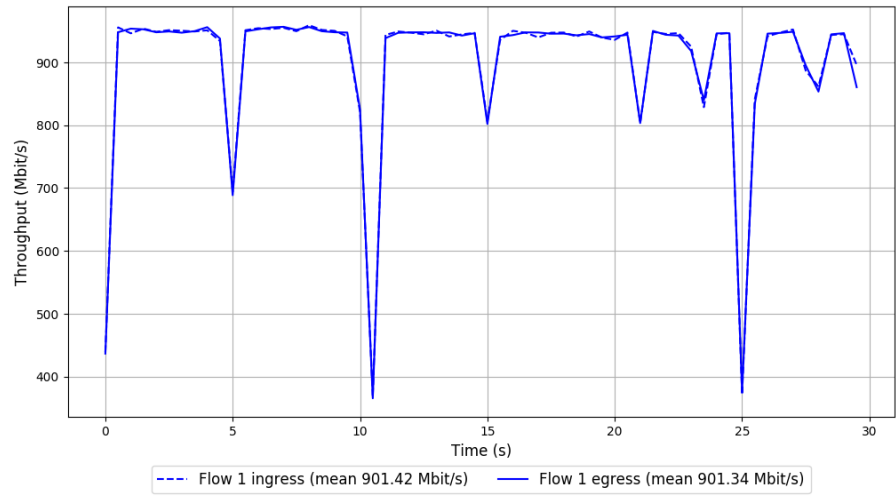


Run 2: Statistics of TCP BBR

Start at: 2018-01-01 22:02:14
End at: 2018-01-01 22:02:44
Local clock offset: -2.156 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-01-02 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 901.34 Mbit/s
95th percentile per-packet one-way delay: 5.797 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 901.34 Mbit/s
95th percentile per-packet one-way delay: 5.797 ms
Loss rate: 0.08%

Run 2: Report of TCP BBR — Data Link

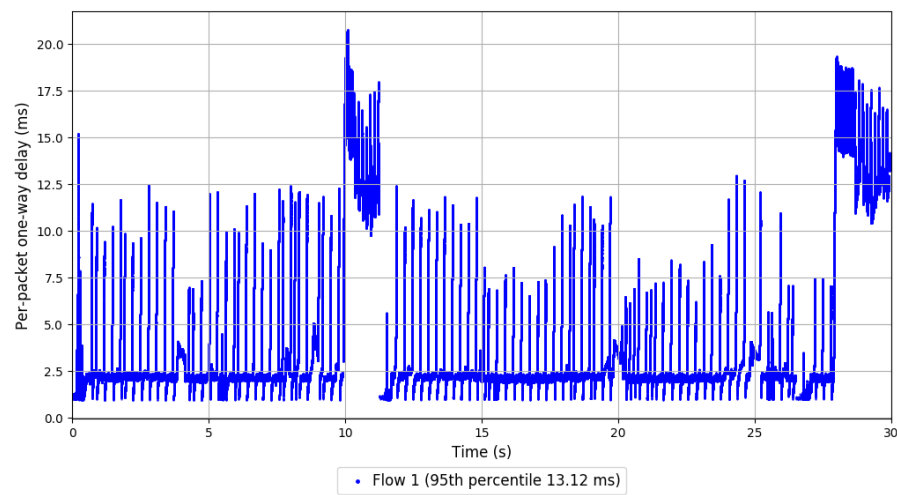
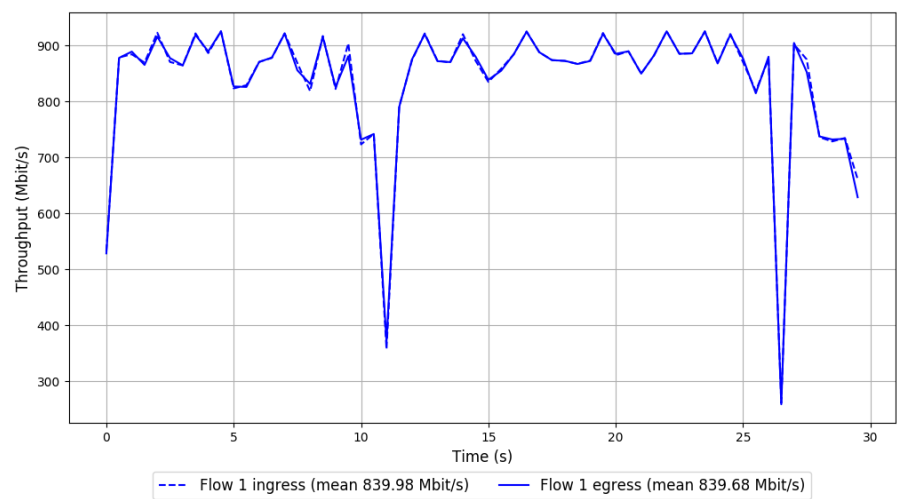


Run 3: Statistics of TCP BBR

Start at: 2018-01-01 22:22:53
End at: 2018-01-01 22:23:23
Local clock offset: -0.325 ms
Remote clock offset: -1.278 ms

Below is generated by plot.py at 2018-01-02 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 839.68 Mbit/s
95th percentile per-packet one-way delay: 13.123 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 839.68 Mbit/s
95th percentile per-packet one-way delay: 13.123 ms
Loss rate: 0.10%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-01 22:43:50

End at: 2018-01-01 22:44:20

Local clock offset: 0.376 ms

Remote clock offset: -1.086 ms

Below is generated by plot.py at 2018-01-02 04:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 890.17 Mbit/s

95th percentile per-packet one-way delay: 7.281 ms

Loss rate: 0.07%

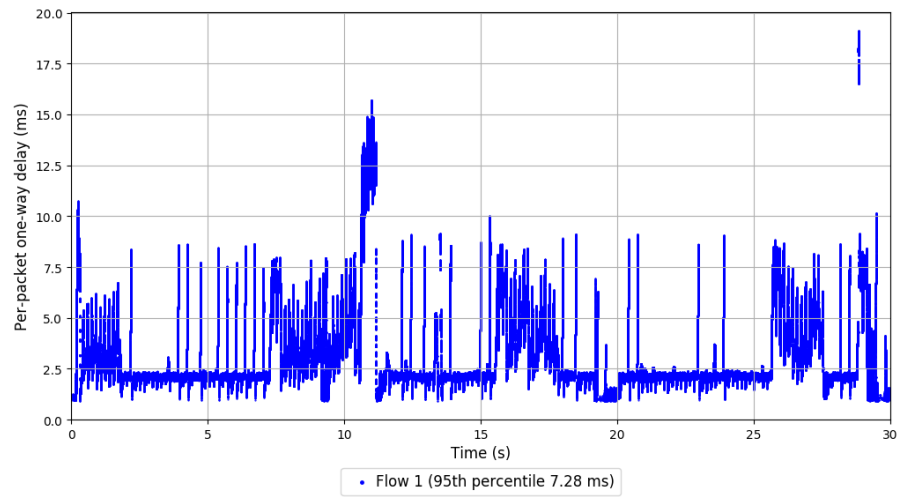
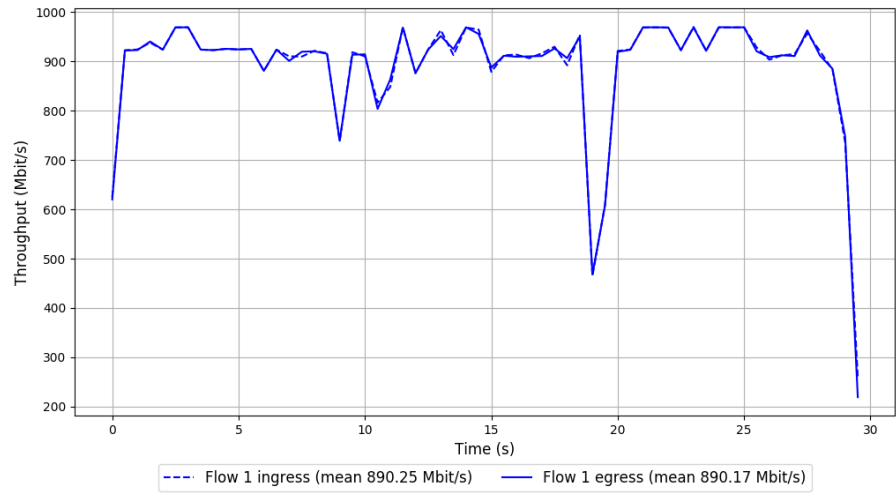
-- Flow 1:

Average throughput: 890.17 Mbit/s

95th percentile per-packet one-way delay: 7.281 ms

Loss rate: 0.07%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-01 23:04:17

End at: 2018-01-01 23:04:47

Local clock offset: 0.621 ms

Remote clock offset: -1.24 ms

Below is generated by plot.py at 2018-01-02 04:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 871.42 Mbit/s

95th percentile per-packet one-way delay: 5.963 ms

Loss rate: 0.08%

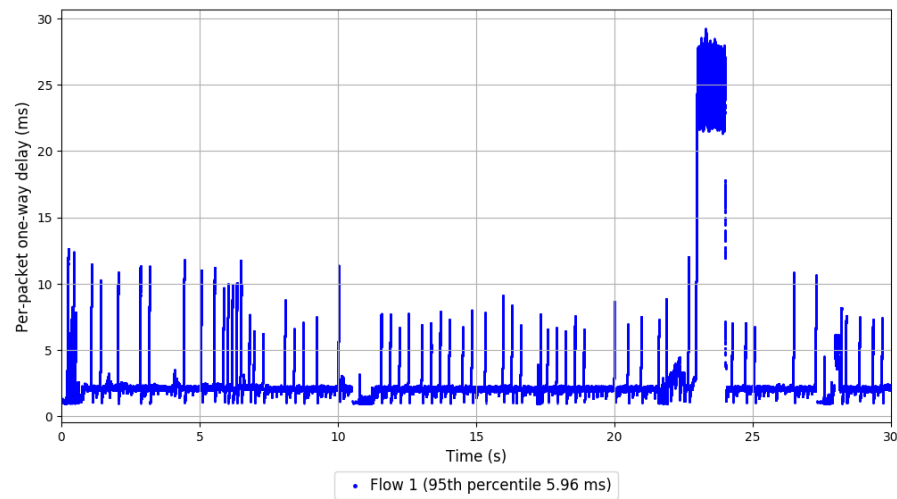
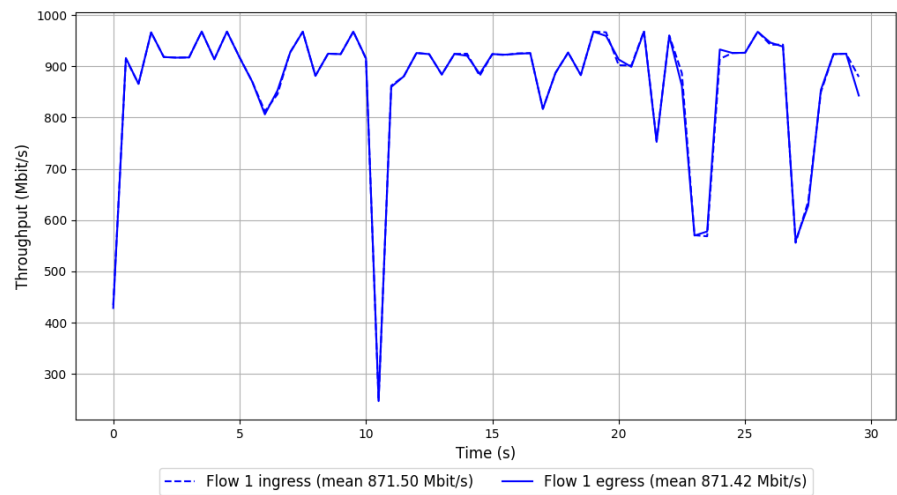
-- Flow 1:

Average throughput: 871.42 Mbit/s

95th percentile per-packet one-way delay: 5.963 ms

Loss rate: 0.08%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-01 23:25:01

End at: 2018-01-01 23:25:31

Local clock offset: 0.181 ms

Remote clock offset: -1.065 ms

Below is generated by plot.py at 2018-01-02 04:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 754.76 Mbit/s

95th percentile per-packet one-way delay: 21.580 ms

Loss rate: 0.09%

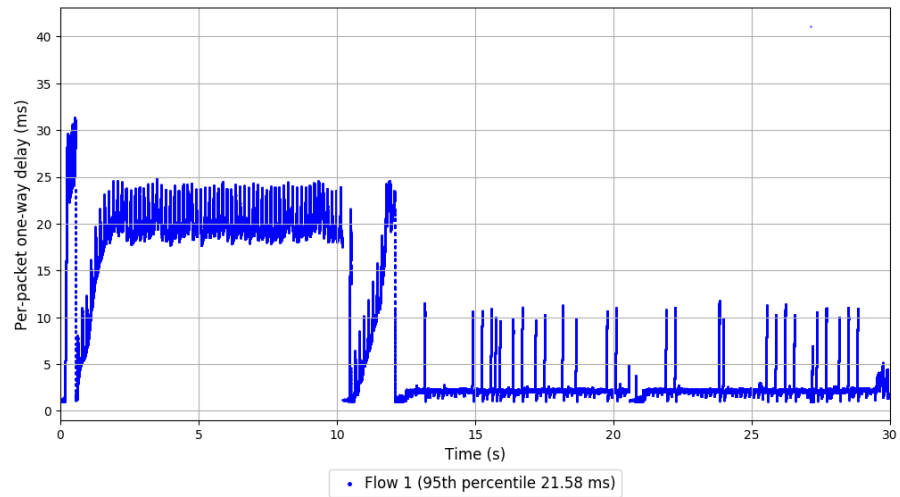
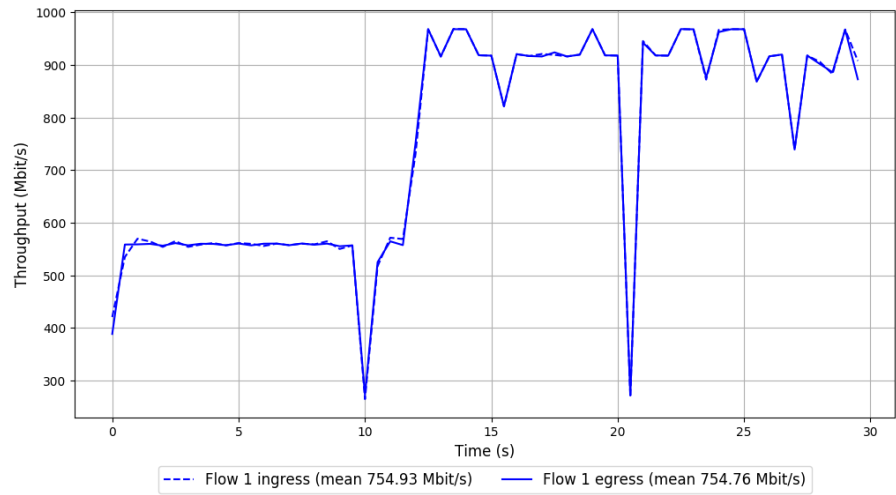
-- Flow 1:

Average throughput: 754.76 Mbit/s

95th percentile per-packet one-way delay: 21.580 ms

Loss rate: 0.09%

Run 6: Report of TCP BBR — Data Link

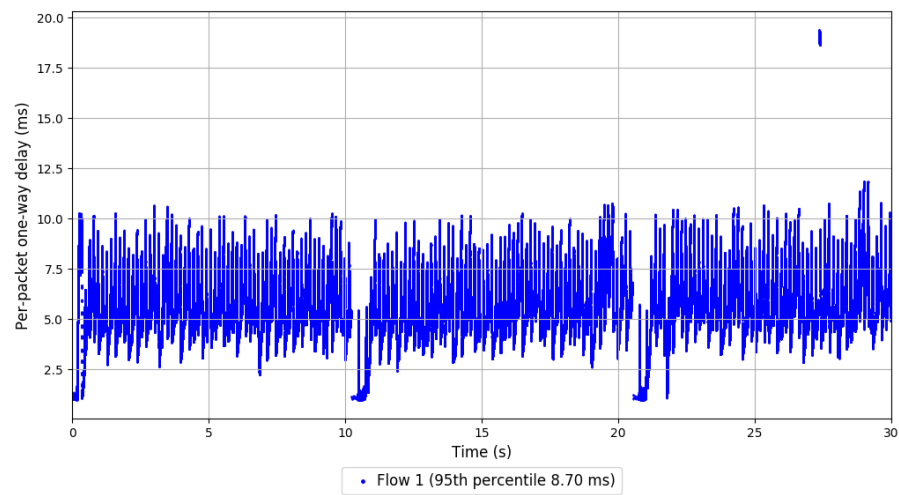
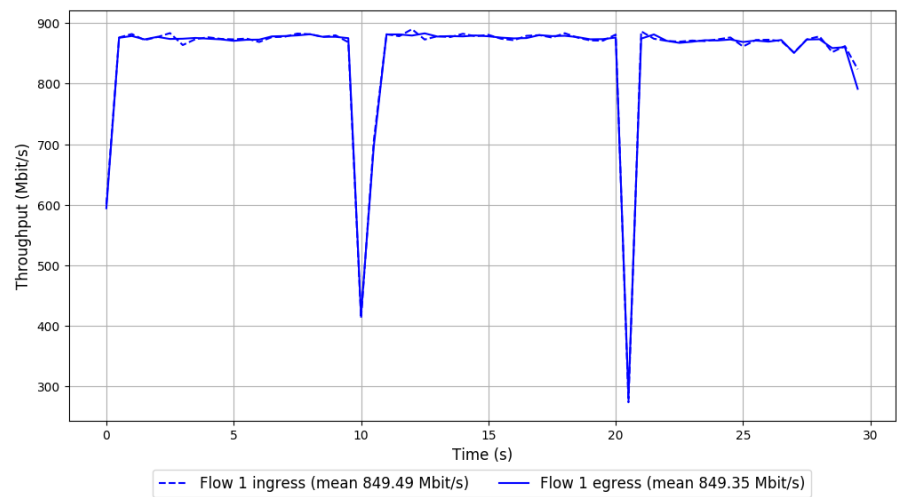


Run 7: Statistics of TCP BBR

Start at: 2018-01-01 23:45:32
End at: 2018-01-01 23:46:02
Local clock offset: 0.277 ms
Remote clock offset: -0.907 ms

Below is generated by plot.py at 2018-01-02 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 849.35 Mbit/s
95th percentile per-packet one-way delay: 8.697 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 849.35 Mbit/s
95th percentile per-packet one-way delay: 8.697 ms
Loss rate: 0.08%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-02 00:06:26

End at: 2018-01-02 00:06:56

Local clock offset: 0.571 ms

Remote clock offset: -0.675 ms

Below is generated by plot.py at 2018-01-02 04:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 824.23 Mbit/s

95th percentile per-packet one-way delay: 19.305 ms

Loss rate: 0.09%

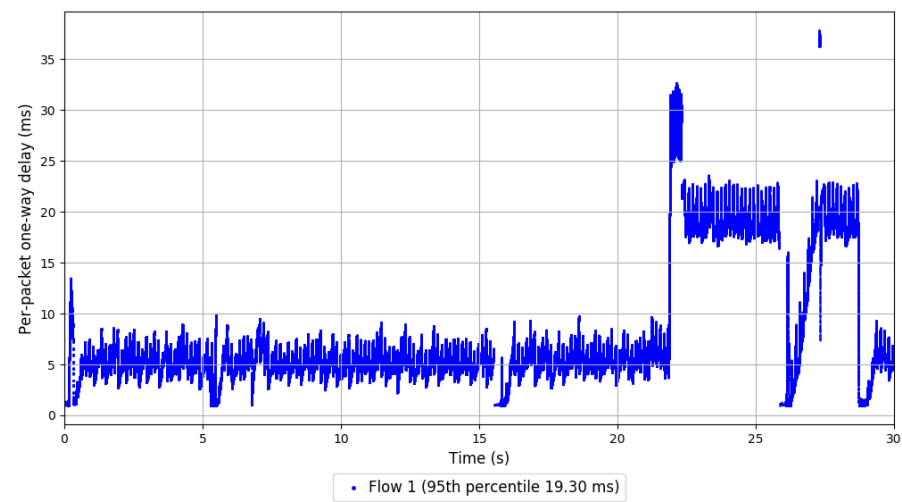
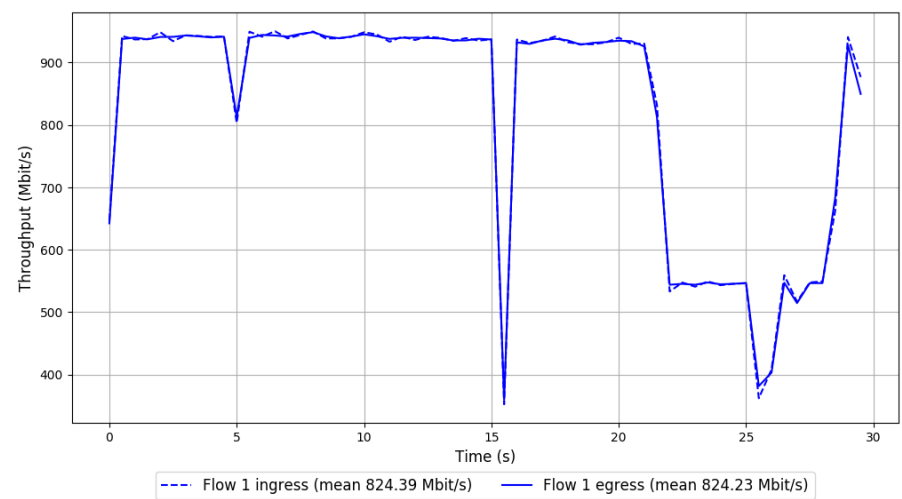
-- Flow 1:

Average throughput: 824.23 Mbit/s

95th percentile per-packet one-way delay: 19.305 ms

Loss rate: 0.09%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-02 00:27:05

End at: 2018-01-02 00:27:35

Local clock offset: 0.458 ms

Remote clock offset: -0.714 ms

Below is generated by plot.py at 2018-01-02 04:54:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 911.05 Mbit/s

95th percentile per-packet one-way delay: 4.514 ms

Loss rate: 0.07%

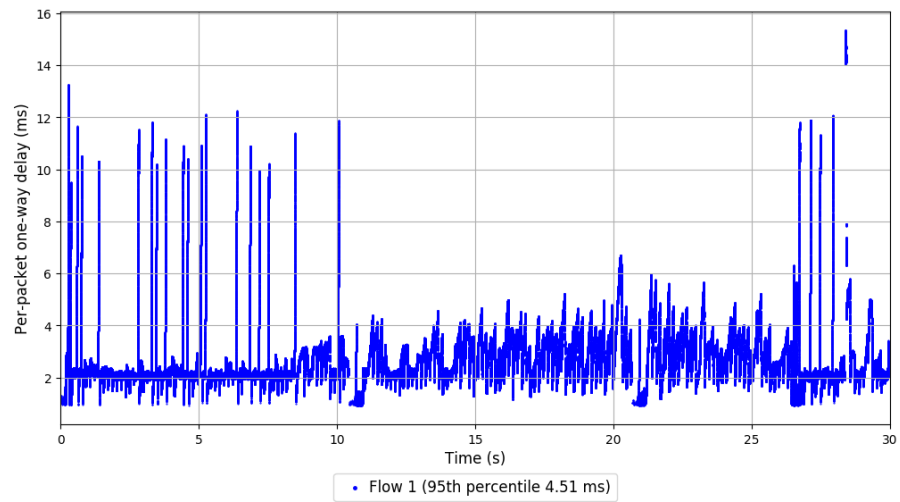
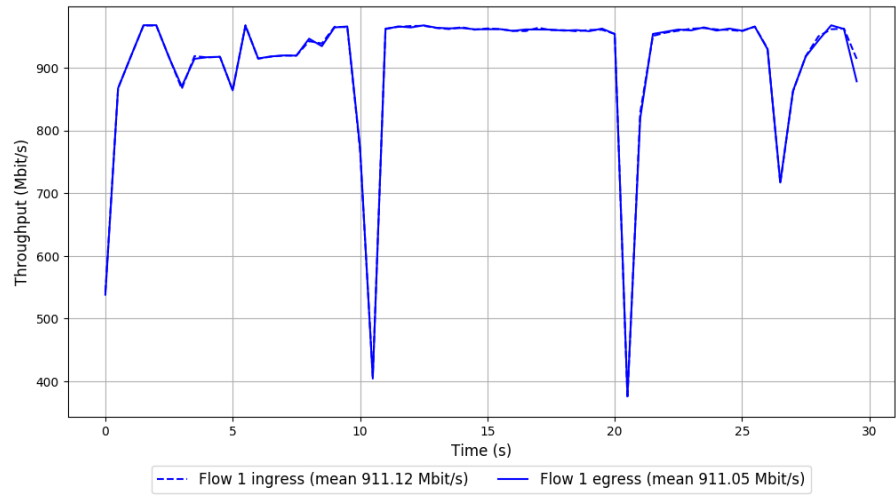
-- Flow 1:

Average throughput: 911.05 Mbit/s

95th percentile per-packet one-way delay: 4.514 ms

Loss rate: 0.07%

Run 9: Report of TCP BBR — Data Link

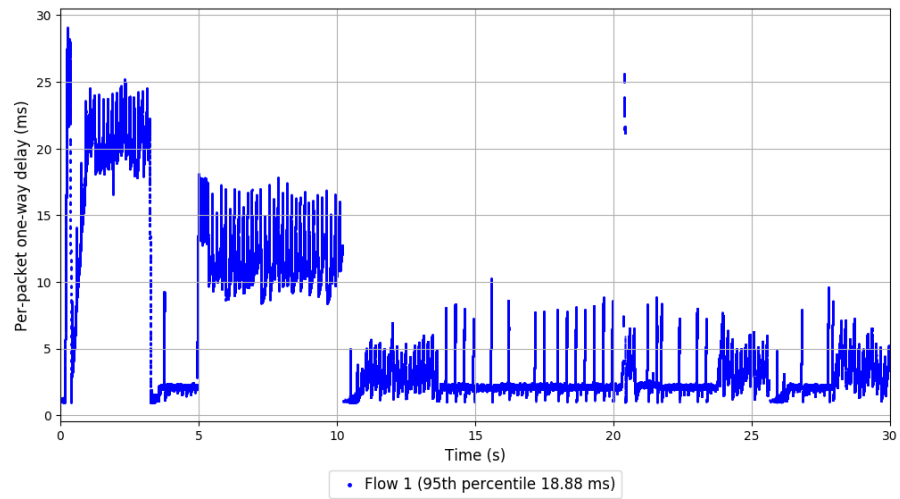
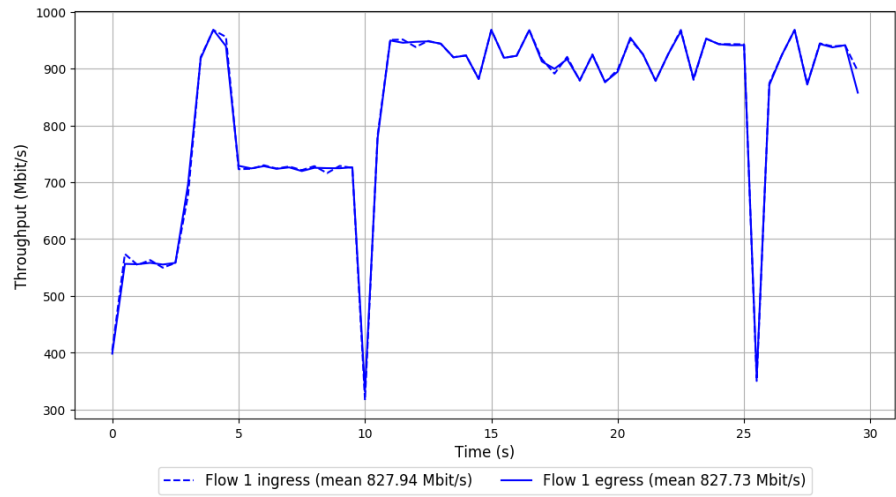


Run 10: Statistics of TCP BBR

Start at: 2018-01-02 00:47:45
End at: 2018-01-02 00:48:15
Local clock offset: 0.2 ms
Remote clock offset: -0.863 ms

Below is generated by plot.py at 2018-01-02 04:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 827.73 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 827.73 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.09%

Run 10: Report of TCP BBR — Data Link

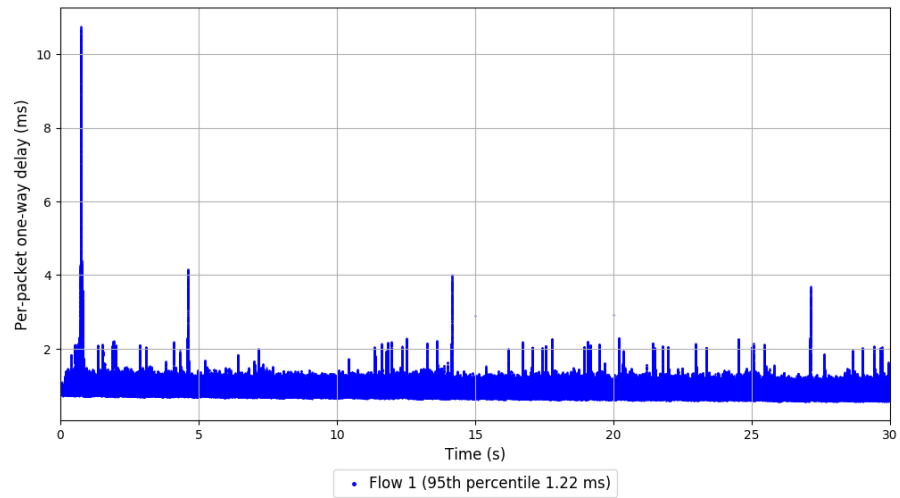
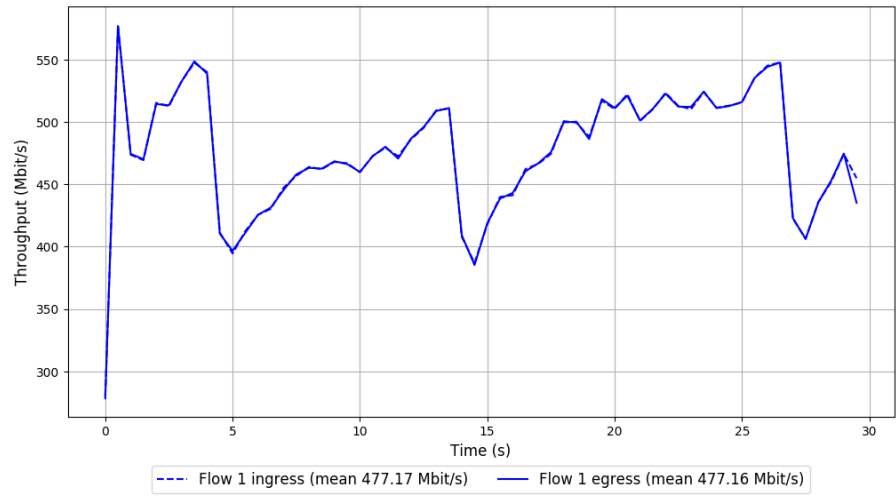


Run 1: Statistics of TCP Cubic

Start at: 2018-01-01 21:44:46
End at: 2018-01-01 21:45:16
Local clock offset: -3.1 ms
Remote clock offset: -1.692 ms

Below is generated by plot.py at 2018-01-02 04:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 477.16 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 477.16 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.07%

Run 1: Report of TCP Cubic — Data Link

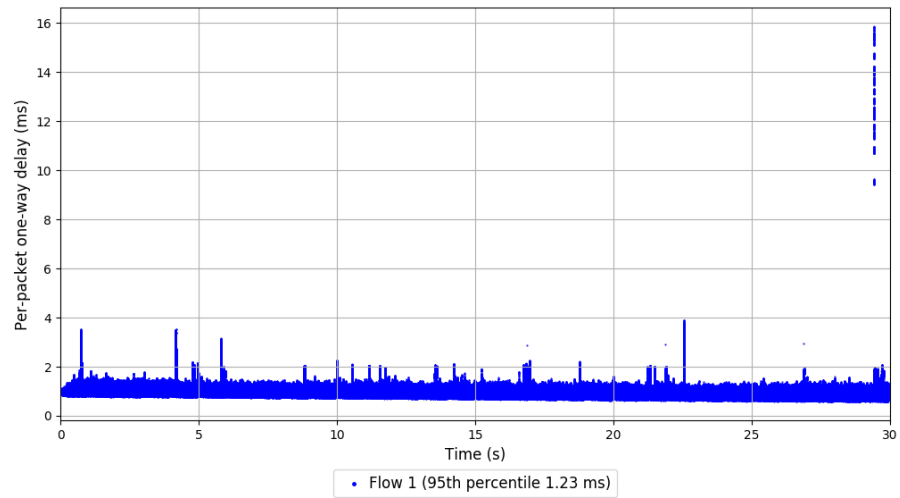
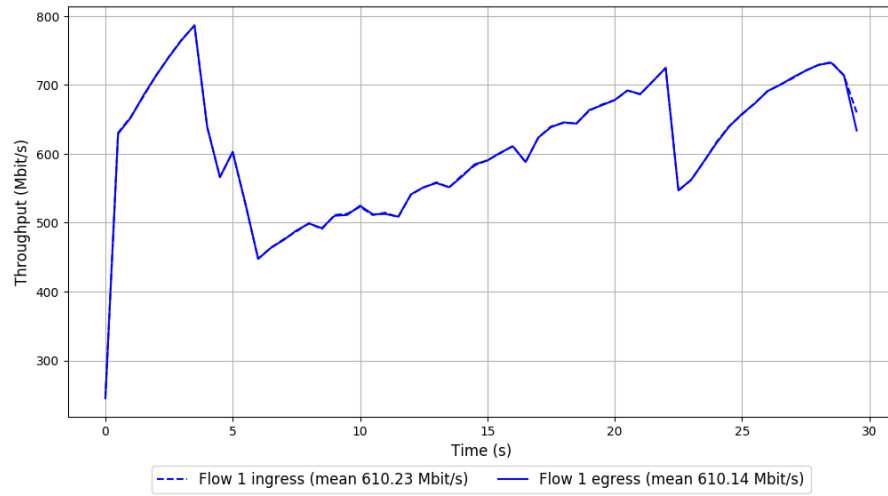


Run 2: Statistics of TCP Cubic

Start at: 2018-01-01 22:05:15
End at: 2018-01-01 22:05:45
Local clock offset: -1.882 ms
Remote clock offset: -1.141 ms

Below is generated by plot.py at 2018-01-02 04:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 610.14 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 610.14 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.08%

Run 2: Report of TCP Cubic — Data Link

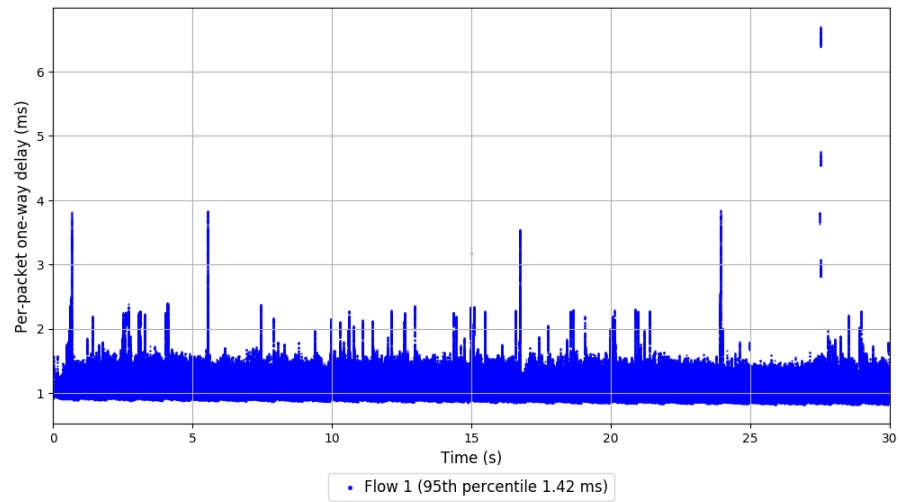
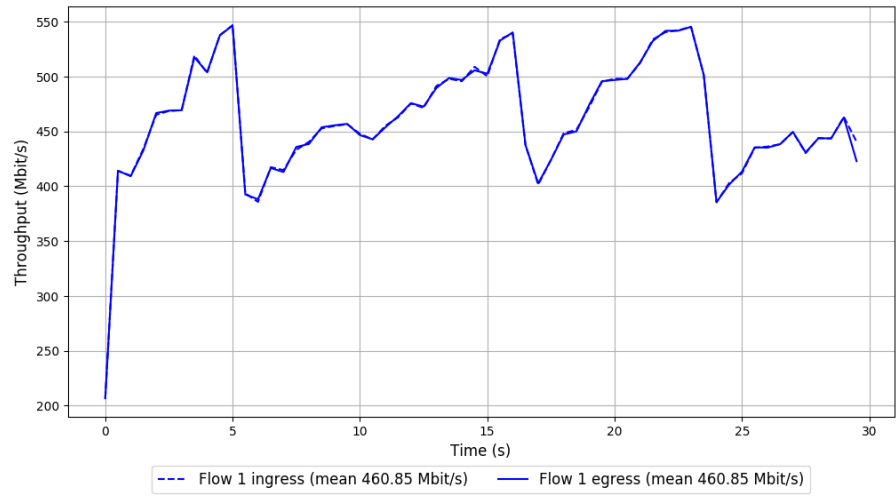


Run 3: Statistics of TCP Cubic

Start at: 2018-01-01 22:25:53
End at: 2018-01-01 22:26:23
Local clock offset: -0.466 ms
Remote clock offset: -1.219 ms

Below is generated by plot.py at 2018-01-02 04:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 460.85 Mbit/s
95th percentile per-packet one-way delay: 1.416 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 460.85 Mbit/s
95th percentile per-packet one-way delay: 1.416 ms
Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link

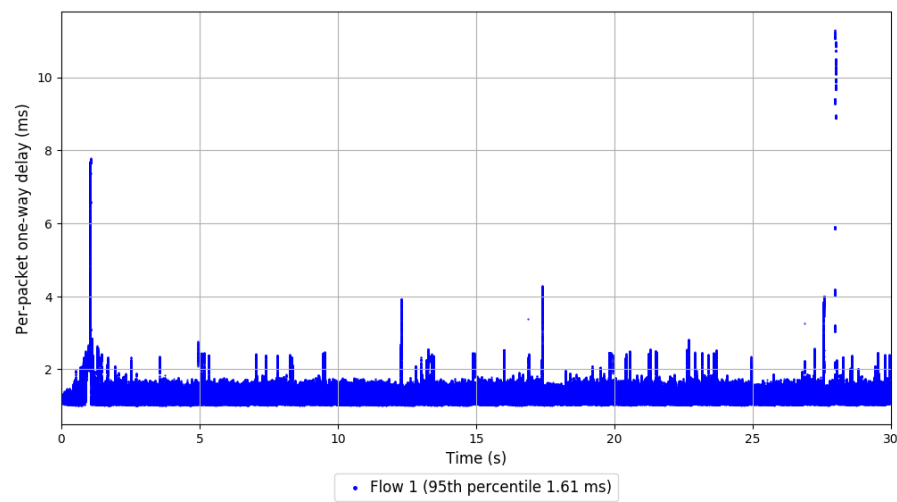
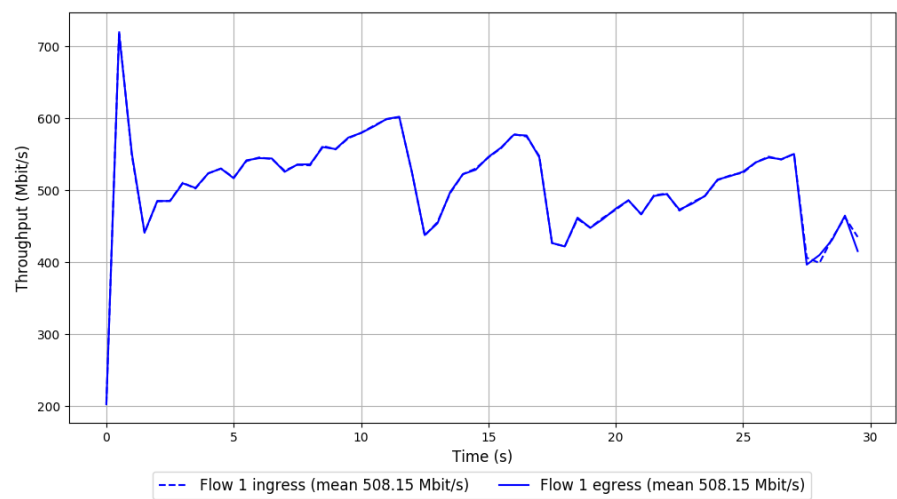


Run 4: Statistics of TCP Cubic

Start at: 2018-01-01 22:46:50
End at: 2018-01-01 22:47:20
Local clock offset: 0.462 ms
Remote clock offset: -1.117 ms

Below is generated by plot.py at 2018-01-02 04:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 508.15 Mbit/s
95th percentile per-packet one-way delay: 1.610 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 508.15 Mbit/s
95th percentile per-packet one-way delay: 1.610 ms
Loss rate: 0.07%

Run 4: Report of TCP Cubic — Data Link

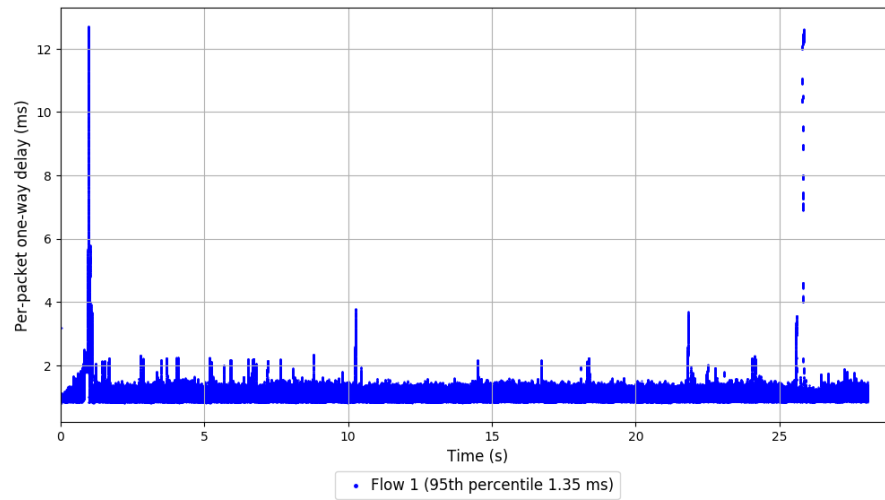
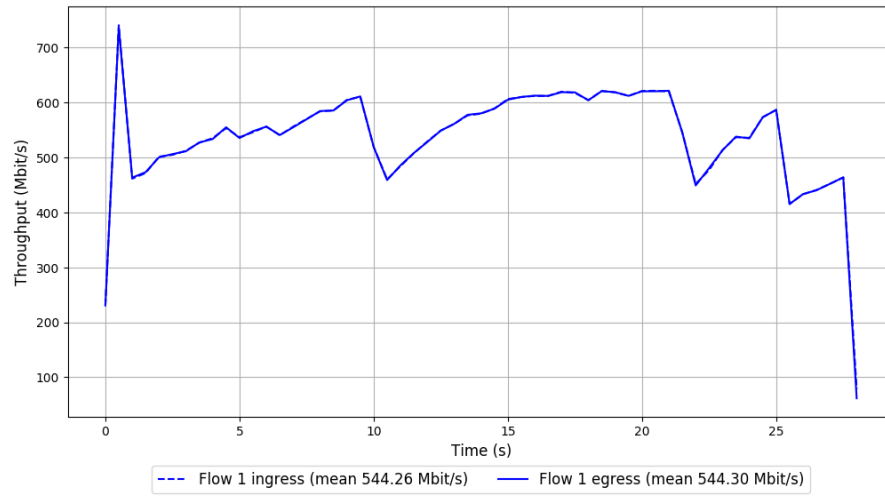


Run 5: Statistics of TCP Cubic

Start at: 2018-01-01 23:07:17
End at: 2018-01-01 23:07:47
Local clock offset: 0.527 ms
Remote clock offset: -1.146 ms

Below is generated by plot.py at 2018-01-02 04:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 544.30 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 544.30 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link

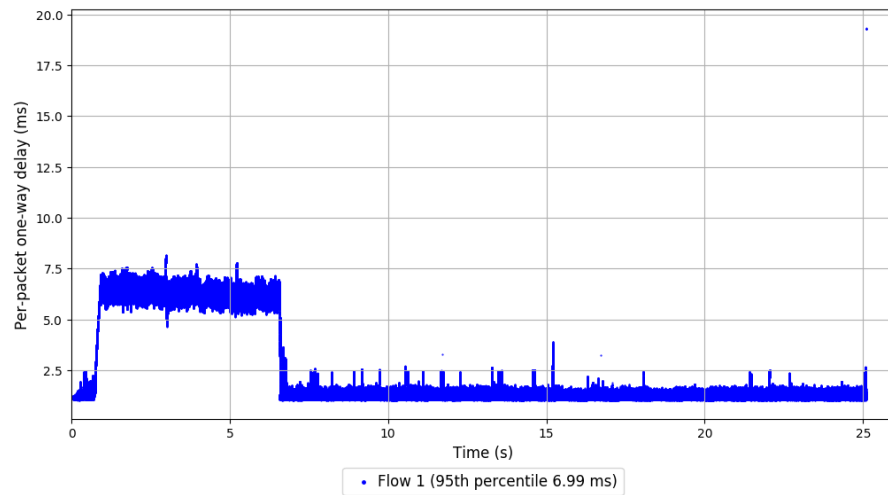
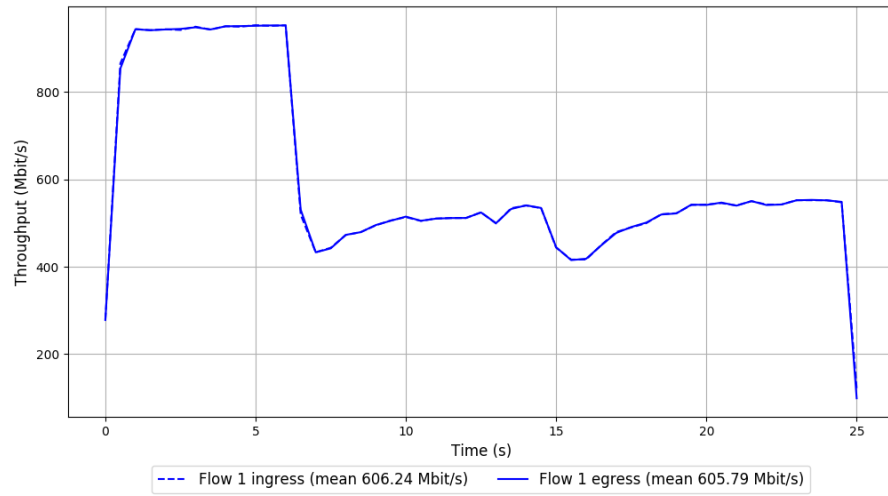


Run 6: Statistics of TCP Cubic

Start at: 2018-01-01 23:27:57
End at: 2018-01-01 23:28:27
Local clock offset: 0.302 ms
Remote clock offset: -1.065 ms

Below is generated by plot.py at 2018-01-02 04:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 605.79 Mbit/s
95th percentile per-packet one-way delay: 6.994 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 605.79 Mbit/s
95th percentile per-packet one-way delay: 6.994 ms
Loss rate: 0.07%

Run 6: Report of TCP Cubic — Data Link

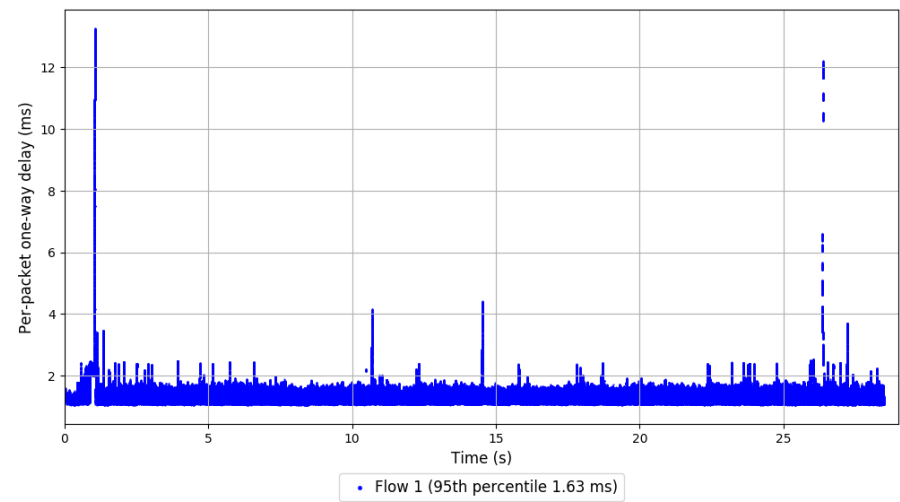
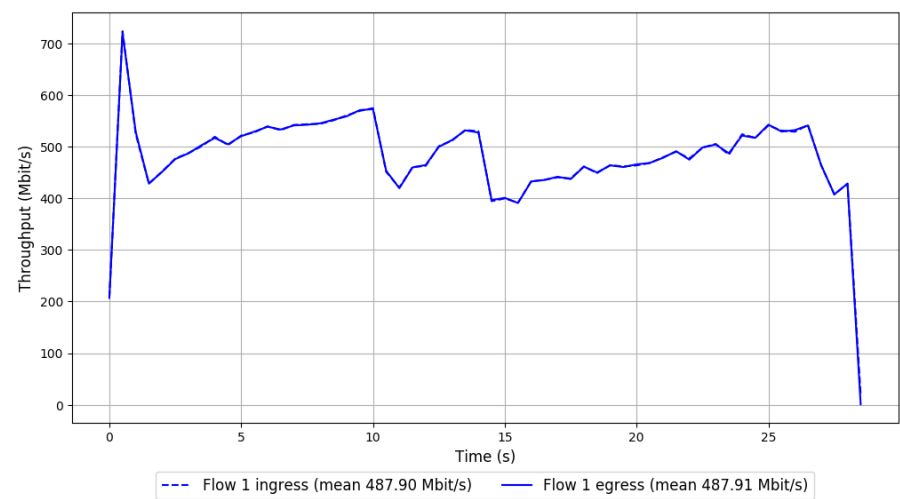


Run 7: Statistics of TCP Cubic

Start at: 2018-01-01 23:48:32
End at: 2018-01-01 23:49:02
Local clock offset: 0.306 ms
Remote clock offset: -0.888 ms

Below is generated by plot.py at 2018-01-02 04:56:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 487.91 Mbit/s
95th percentile per-packet one-way delay: 1.626 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 487.91 Mbit/s
95th percentile per-packet one-way delay: 1.626 ms
Loss rate: 0.07%

Run 7: Report of TCP Cubic — Data Link

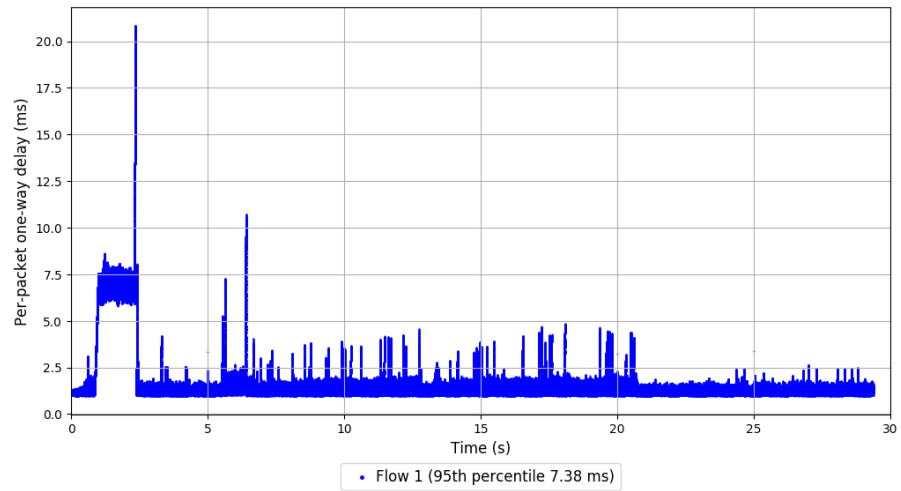
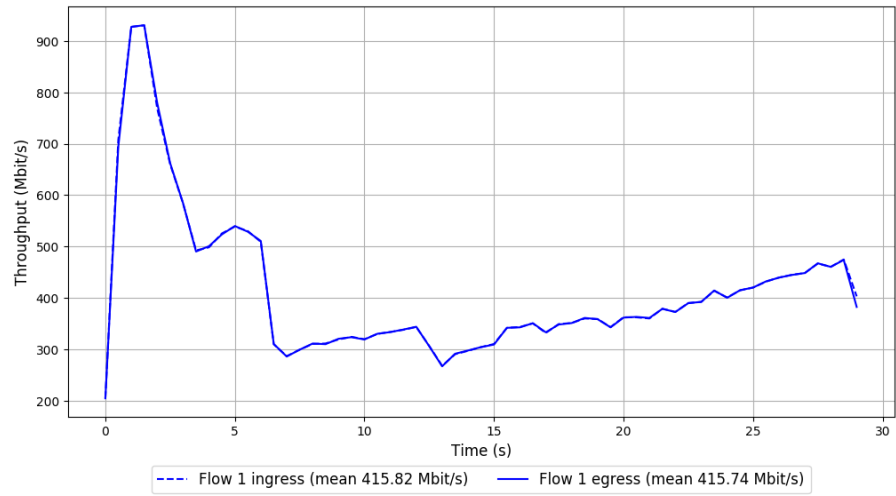


Run 8: Statistics of TCP Cubic

Start at: 2018-01-02 00:09:24
End at: 2018-01-02 00:09:54
Local clock offset: 0.589 ms
Remote clock offset: -0.697 ms

Below is generated by plot.py at 2018-01-02 04:56:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 415.74 Mbit/s
95th percentile per-packet one-way delay: 7.377 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 415.74 Mbit/s
95th percentile per-packet one-way delay: 7.377 ms
Loss rate: 0.09%

Run 8: Report of TCP Cubic — Data Link

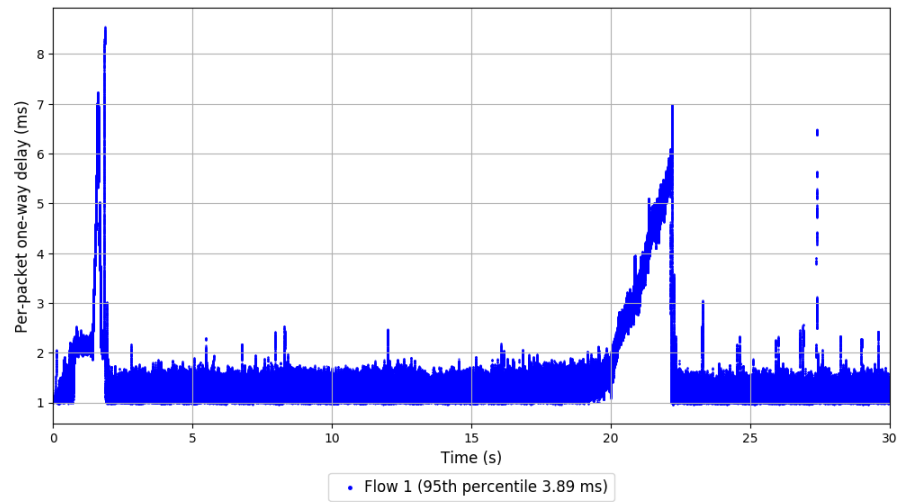
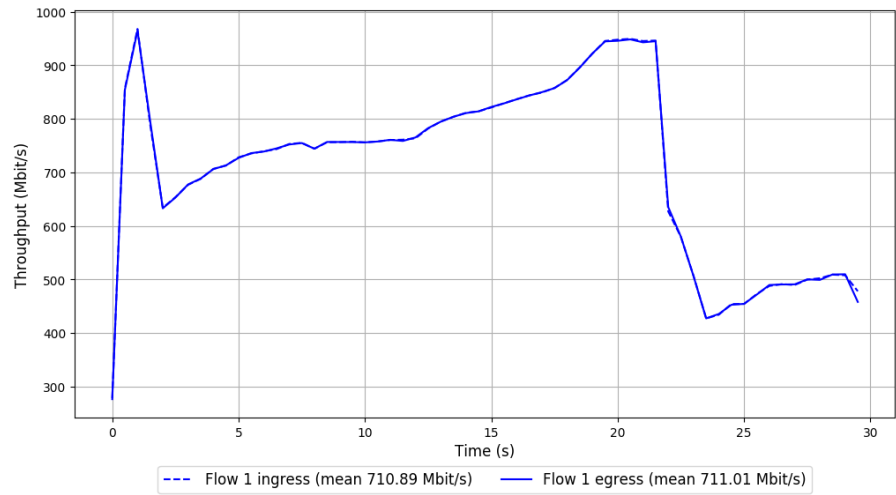


Run 9: Statistics of TCP Cubic

Start at: 2018-01-02 00:30:07
End at: 2018-01-02 00:30:37
Local clock offset: 0.575 ms
Remote clock offset: -0.731 ms

Below is generated by plot.py at 2018-01-02 05:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 711.01 Mbit/s
95th percentile per-packet one-way delay: 3.887 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 711.01 Mbit/s
95th percentile per-packet one-way delay: 3.887 ms
Loss rate: 0.05%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-02 00:50:45

End at: 2018-01-02 00:51:15

Local clock offset: 0.005 ms

Remote clock offset: -0.854 ms

Below is generated by plot.py at 2018-01-02 05:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.93 Mbit/s

95th percentile per-packet one-way delay: 1.419 ms

Loss rate: 0.08%

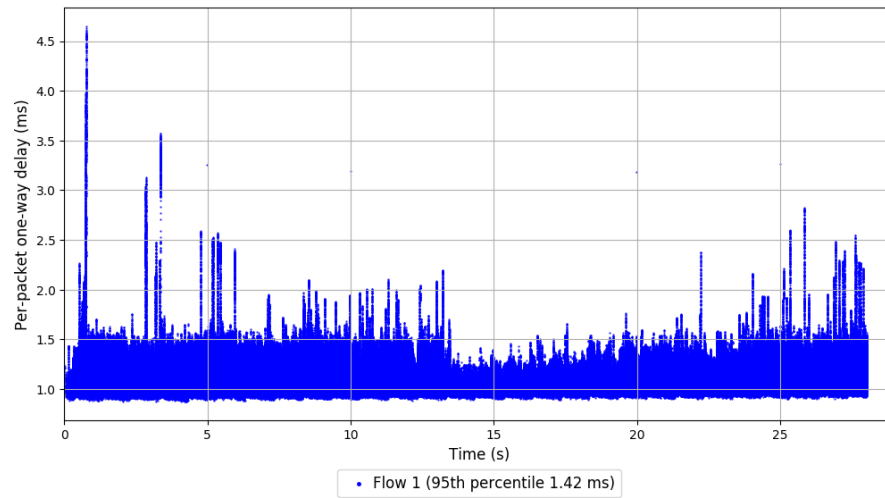
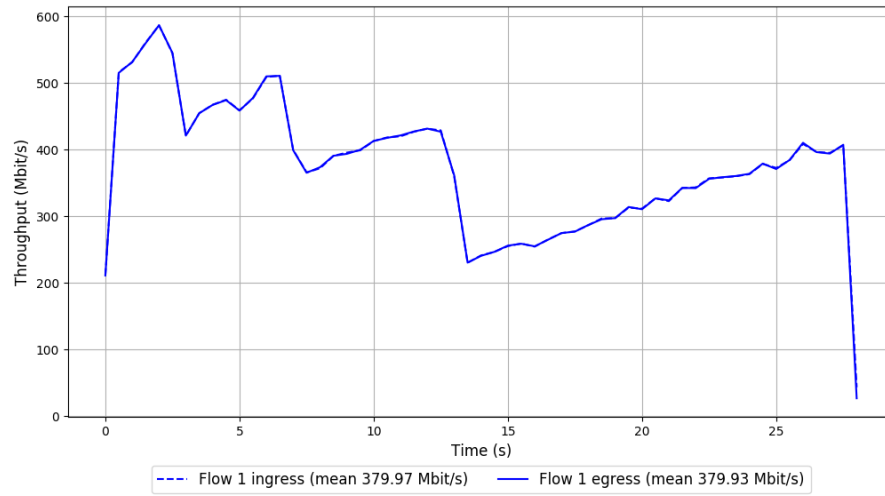
-- Flow 1:

Average throughput: 379.93 Mbit/s

95th percentile per-packet one-way delay: 1.419 ms

Loss rate: 0.08%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of LEDBAT

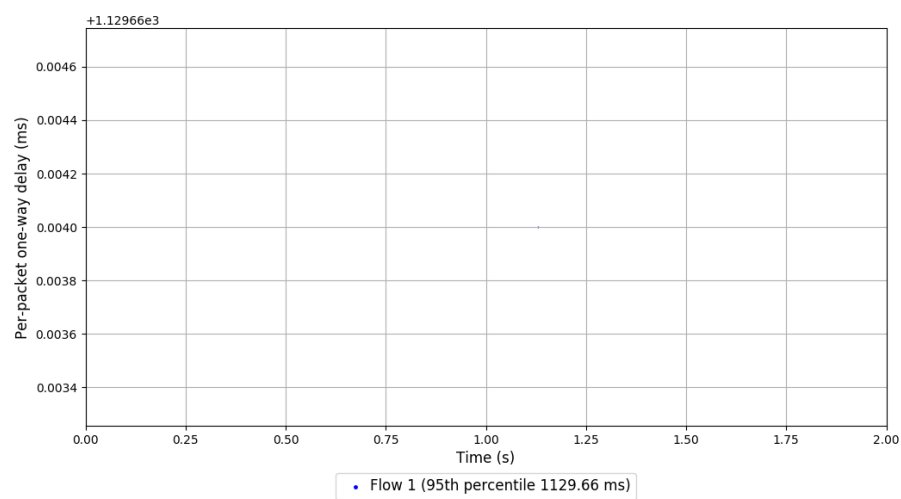
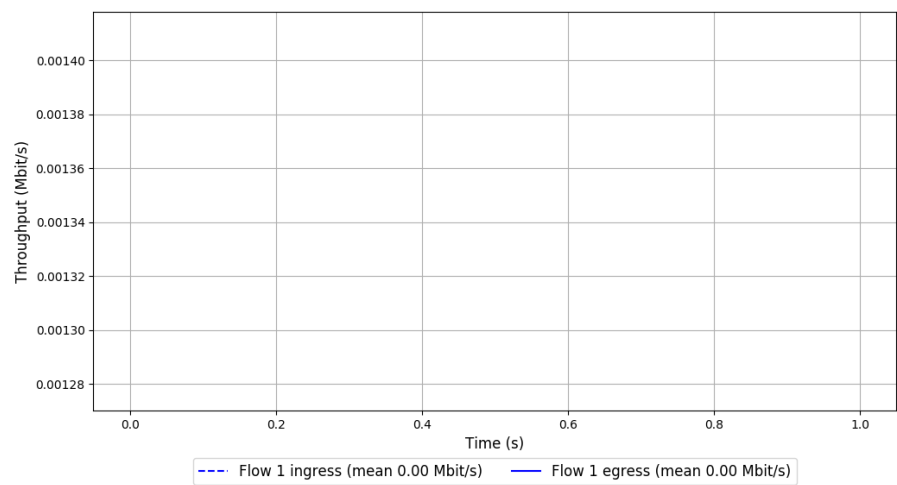
Start at: 2018-01-01 21:49:14

End at: 2018-01-01 21:49:44

Local clock offset: -2.576 ms

Remote clock offset: -1.557 ms

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

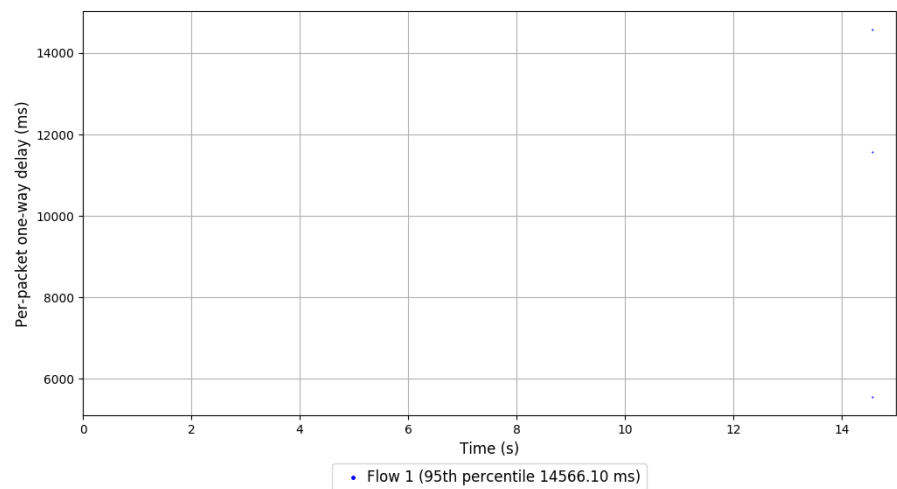
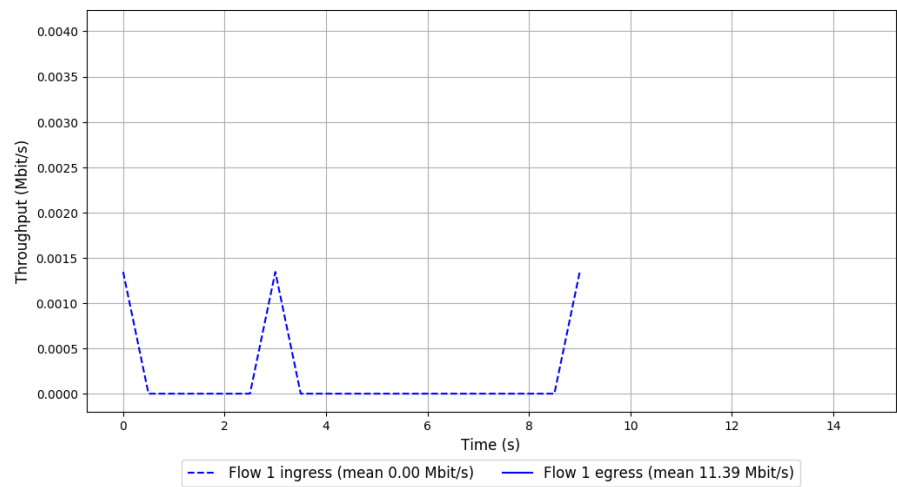
Start at: 2018-01-01 22:09:44

End at: 2018-01-01 22:10:14

Local clock offset: -0.544 ms

Remote clock offset: -1.19 ms

Run 2: Report of LEDBAT — Data Link

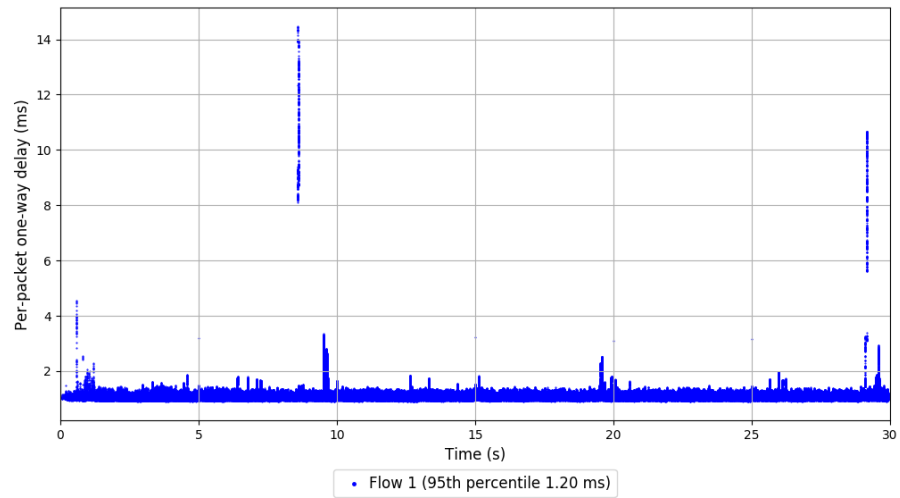
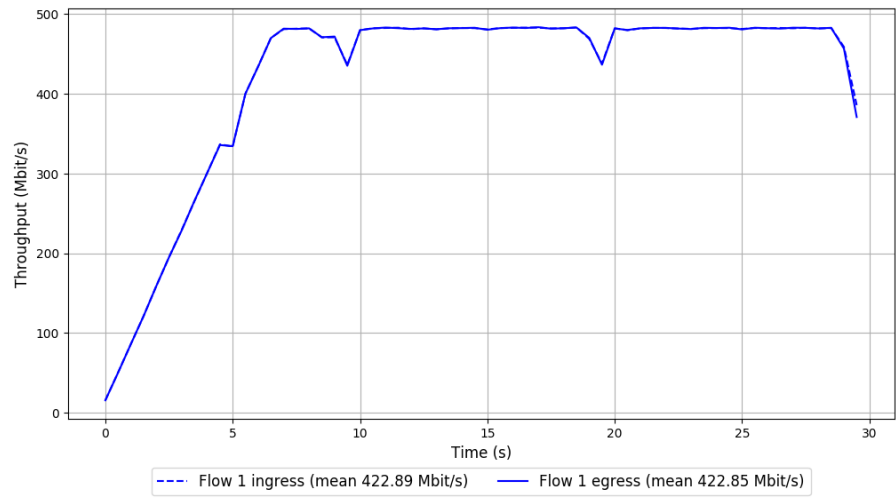


Run 3: Statistics of LEDBAT

Start at: 2018-01-01 22:30:14
End at: 2018-01-01 22:30:44
Local clock offset: 0.007 ms
Remote clock offset: -1.132 ms

Below is generated by plot.py at 2018-01-02 05:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 422.85 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 422.85 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.07%

Run 3: Report of LEDBAT — Data Link

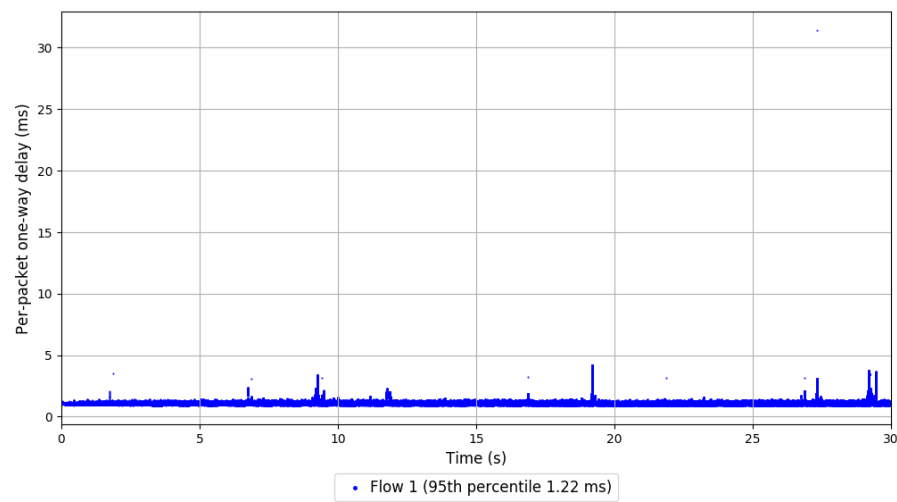
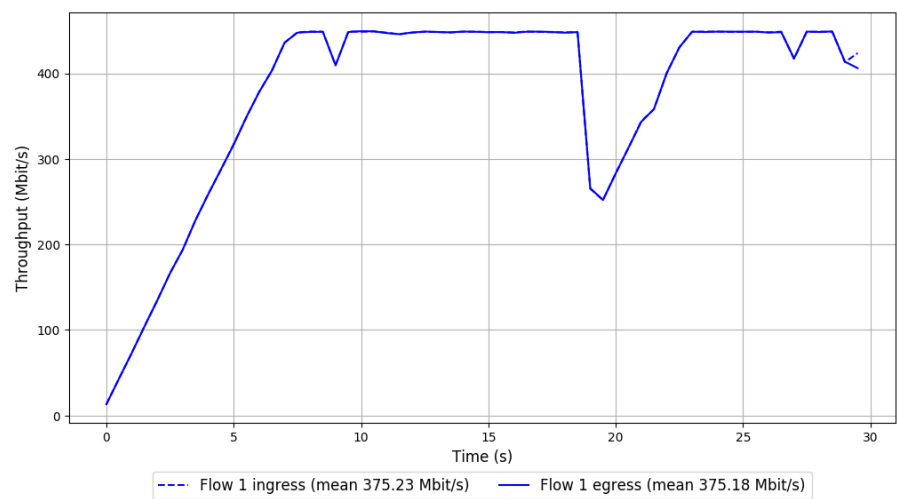


Run 4: Statistics of LEDBAT

Start at: 2018-01-01 22:51:15
End at: 2018-01-01 22:51:45
Local clock offset: 0.608 ms
Remote clock offset: -1.169 ms

Below is generated by plot.py at 2018-01-02 05:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.18 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 375.18 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.08%

Run 4: Report of LEDBAT — Data Link

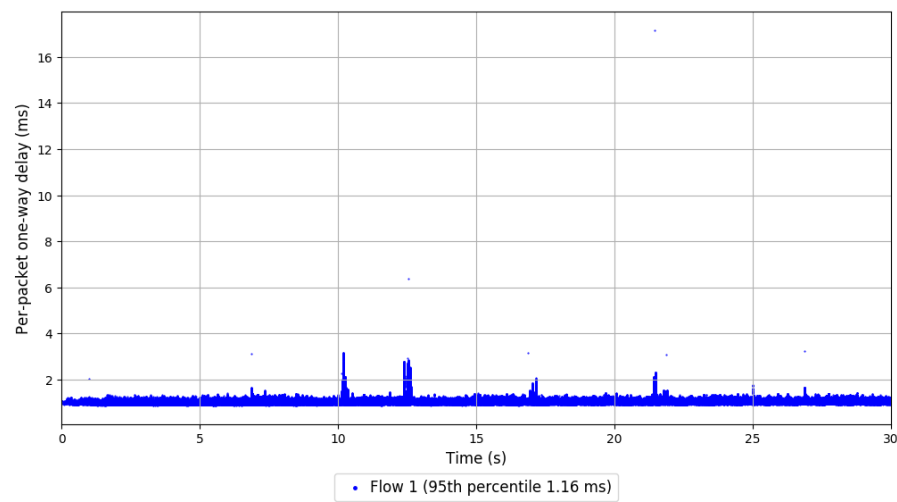
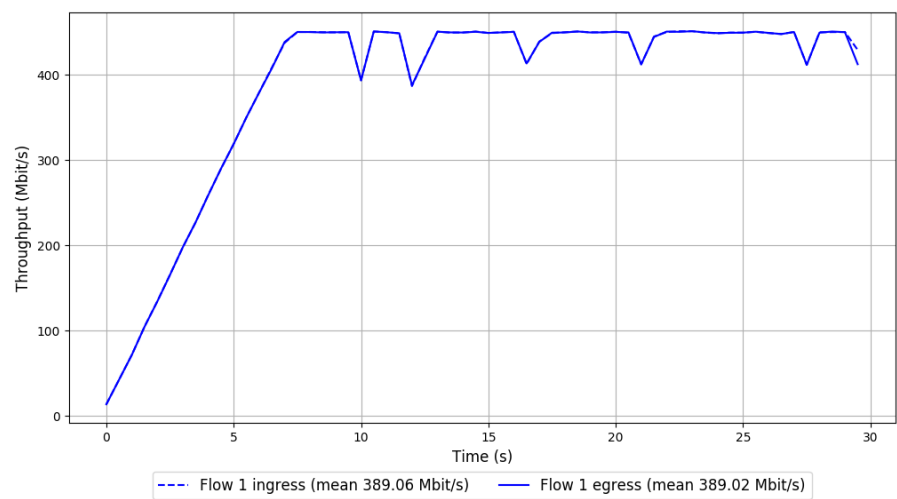


Run 5: Statistics of LEDBAT

Start at: 2018-01-01 23:11:43
End at: 2018-01-01 23:12:13
Local clock offset: 0.38 ms
Remote clock offset: -1.207 ms

Below is generated by plot.py at 2018-01-02 05:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.02 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 389.02 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

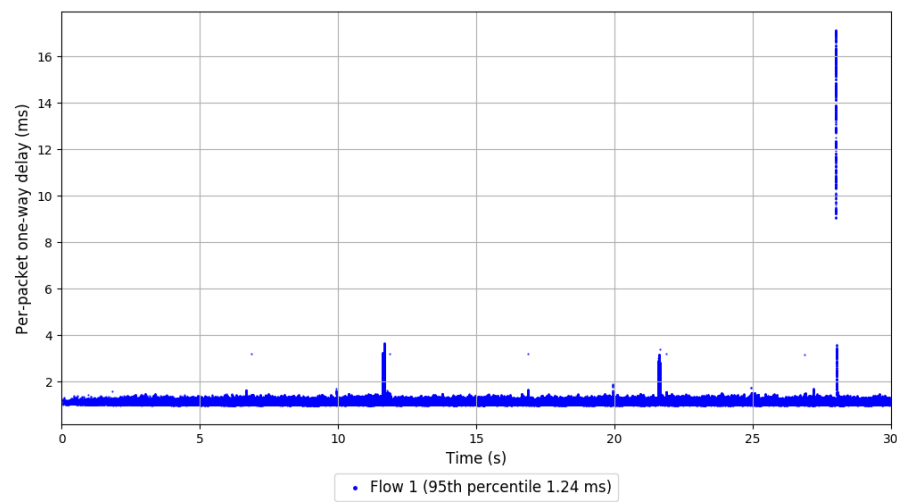
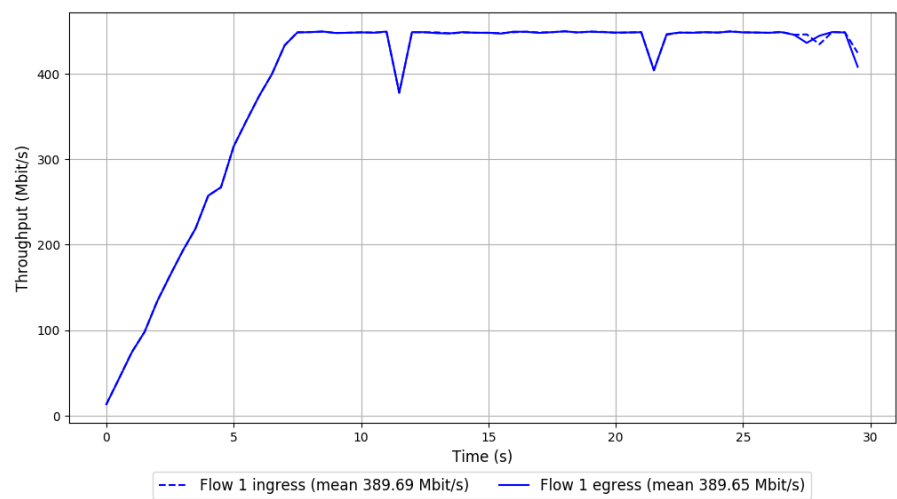


Run 6: Statistics of LEDBAT

Start at: 2018-01-01 23:32:22
End at: 2018-01-01 23:32:52
Local clock offset: 0.314 ms
Remote clock offset: -1.043 ms

Below is generated by plot.py at 2018-01-02 05:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.65 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 389.65 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link

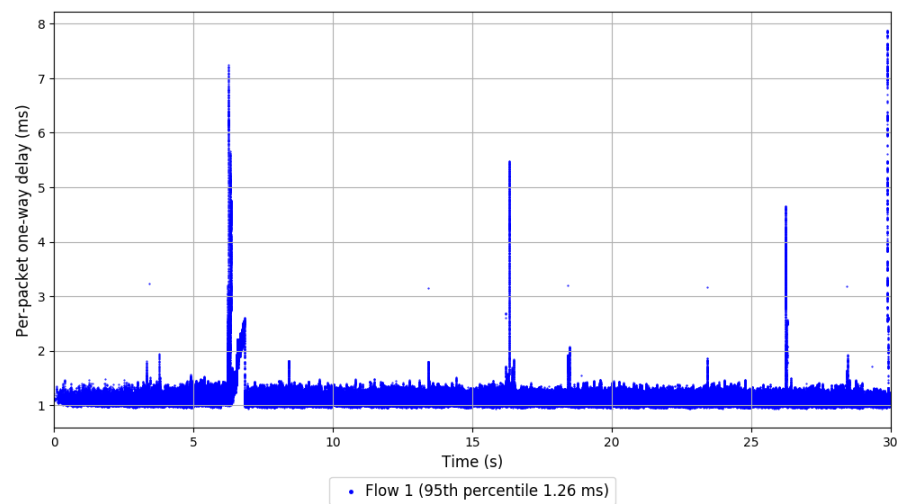
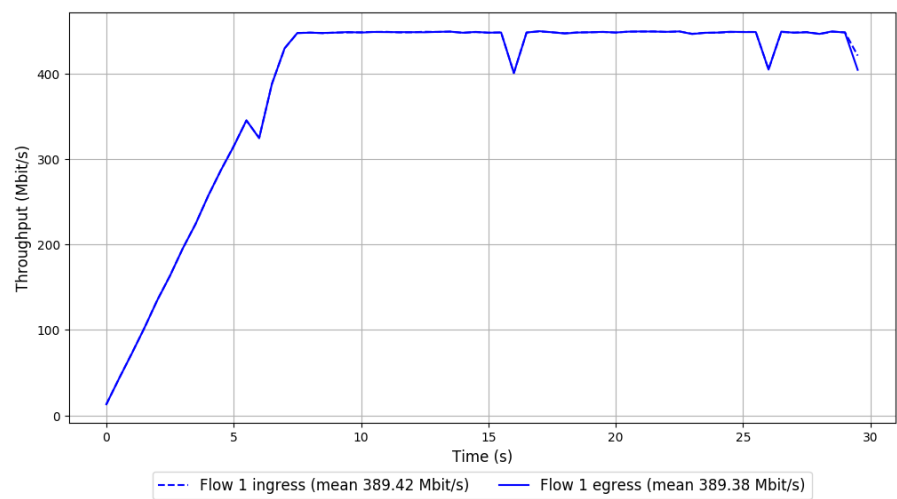


Run 7: Statistics of LEDBAT

Start at: 2018-01-01 23:52:58
End at: 2018-01-01 23:53:28
Local clock offset: 0.49 ms
Remote clock offset: -0.784 ms

Below is generated by plot.py at 2018-01-02 05:01:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.38 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 389.38 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.08%

Run 7: Report of LEDBAT — Data Link

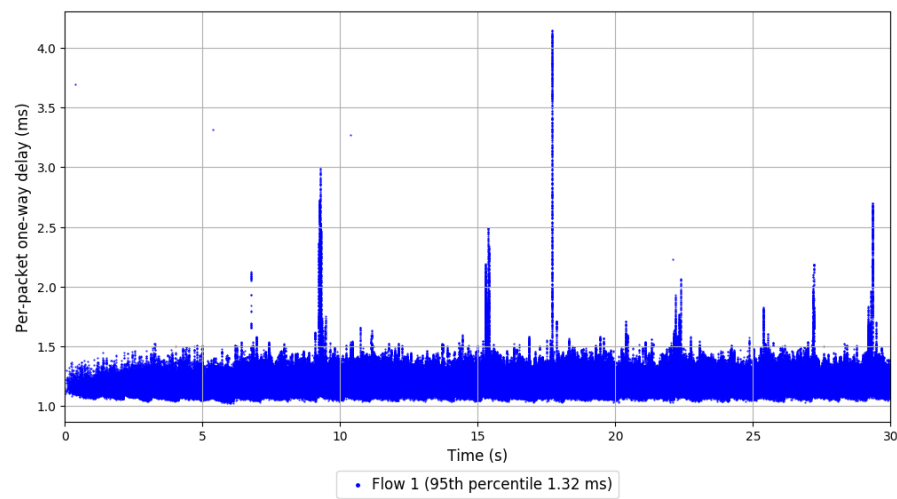
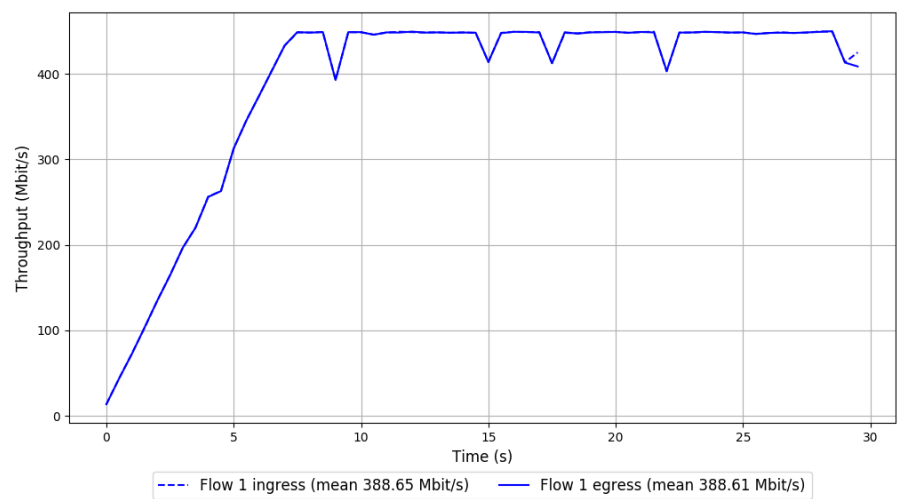


Run 8: Statistics of LEDBAT

Start at: 2018-01-02 00:13:35
End at: 2018-01-02 00:14:05
Local clock offset: 0.663 ms
Remote clock offset: -0.665 ms

Below is generated by plot.py at 2018-01-02 05:02:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 388.61 Mbit/s
95th percentile per-packet one-way delay: 1.321 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 388.61 Mbit/s
95th percentile per-packet one-way delay: 1.321 ms
Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

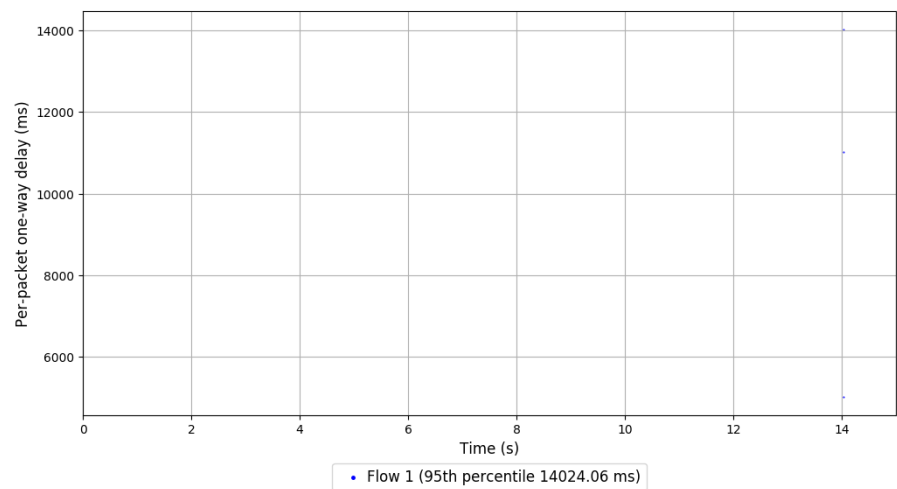
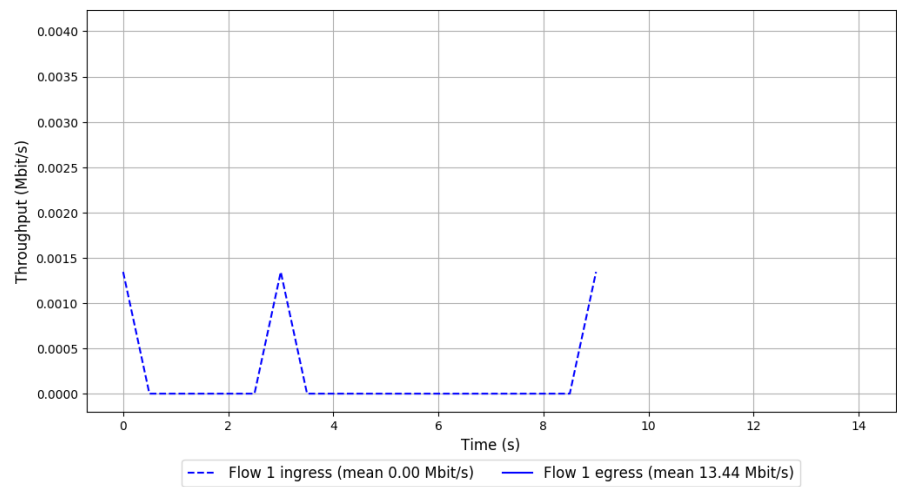
Start at: 2018-01-02 00:34:40

End at: 2018-01-02 00:35:10

Local clock offset: 0.447 ms

Remote clock offset: -0.856 ms

Run 9: Report of LEDBAT — Data Link

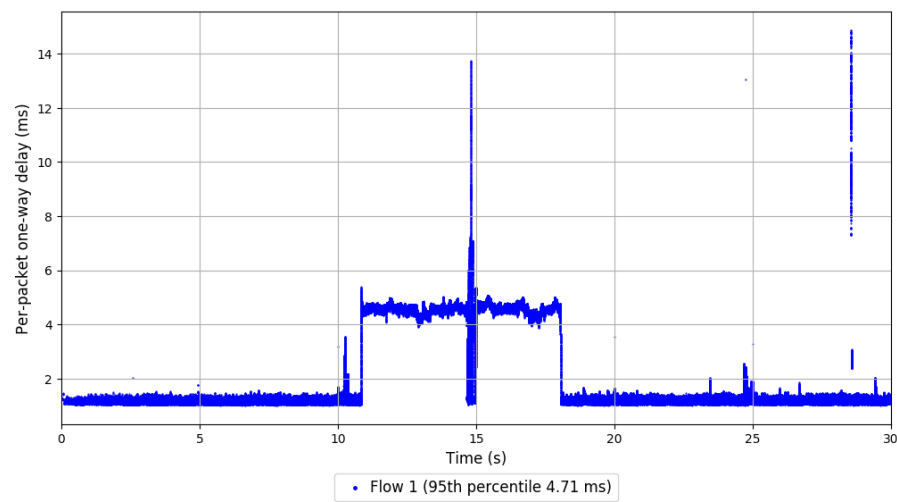
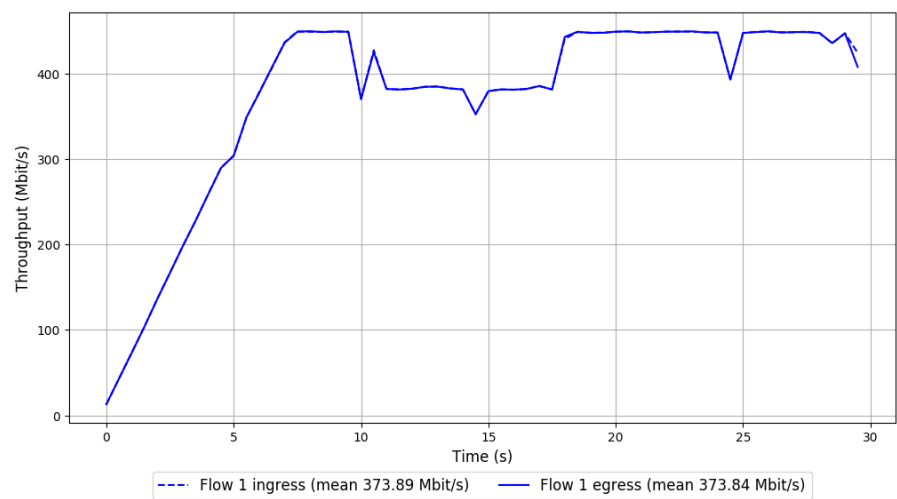


Run 10: Statistics of LEDBAT

Start at: 2018-01-02 00:54:39
End at: 2018-01-02 00:55:09
Local clock offset: -0.04 ms
Remote clock offset: -0.858 ms

Below is generated by plot.py at 2018-01-02 05:02:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 373.84 Mbit/s
95th percentile per-packet one-way delay: 4.708 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 373.84 Mbit/s
95th percentile per-packet one-way delay: 4.708 ms
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

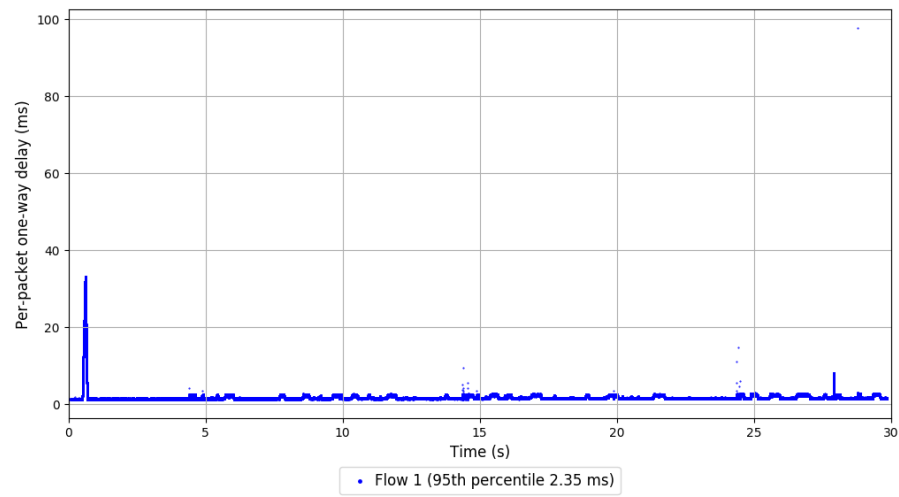
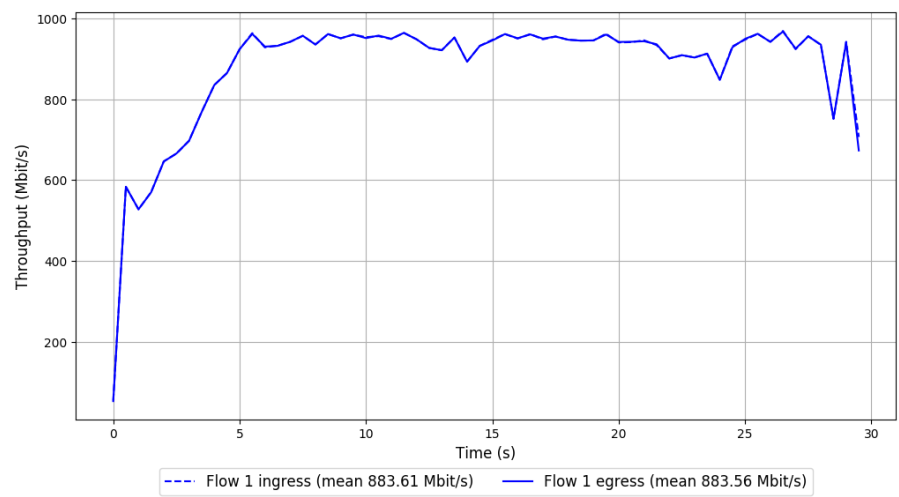


Run 1: Statistics of PCC

Start at: 2018-01-01 21:51:34
End at: 2018-01-01 21:52:04
Local clock offset: -3.054 ms
Remote clock offset: -1.422 ms

Below is generated by plot.py at 2018-01-02 05:08:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 883.56 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 883.56 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.07%

Run 1: Report of PCC — Data Link

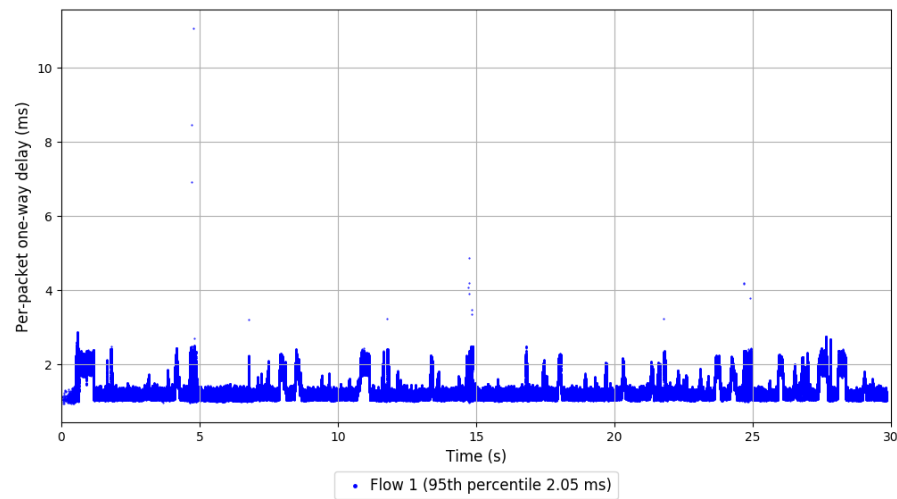
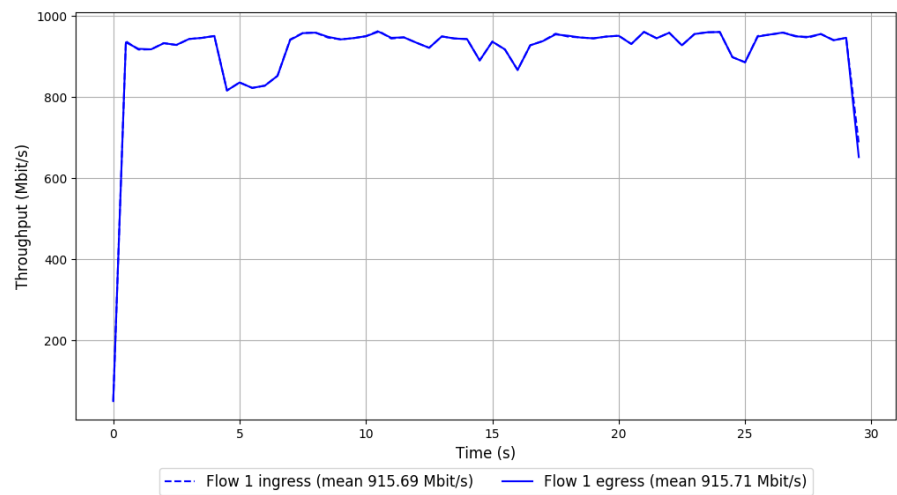


Run 2: Statistics of PCC

Start at: 2018-01-01 22:12:04
End at: 2018-01-01 22:12:34
Local clock offset: -0.412 ms
Remote clock offset: -1.298 ms

Below is generated by plot.py at 2018-01-02 05:09:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 915.71 Mbit/s
95th percentile per-packet one-way delay: 2.051 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 915.71 Mbit/s
95th percentile per-packet one-way delay: 2.051 ms
Loss rate: 0.07%

Run 2: Report of PCC — Data Link

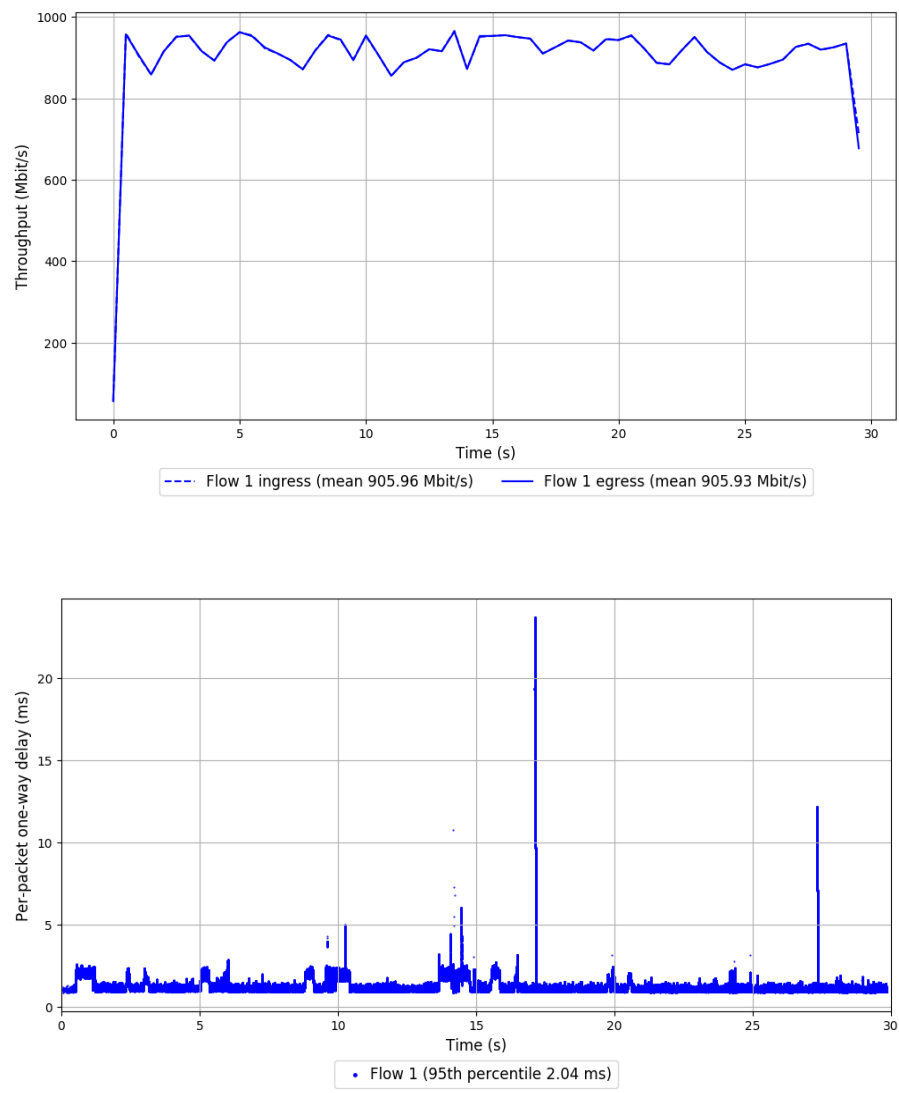


Run 3: Statistics of PCC

Start at: 2018-01-01 22:32:55
End at: 2018-01-01 22:33:25
Local clock offset: 0.076 ms
Remote clock offset: -1.121 ms

Below is generated by plot.py at 2018-01-02 05:13:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 905.93 Mbit/s
95th percentile per-packet one-way delay: 2.042 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 905.93 Mbit/s
95th percentile per-packet one-way delay: 2.042 ms
Loss rate: 0.07%

Run 3: Report of PCC — Data Link

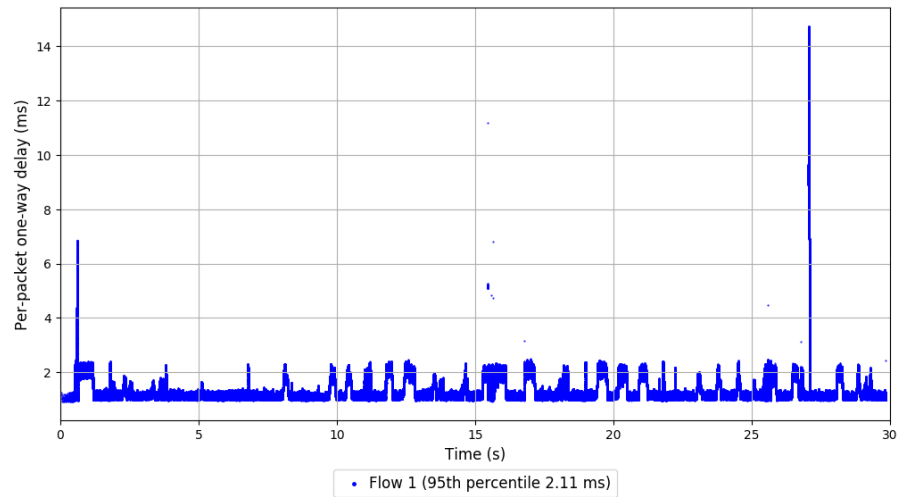
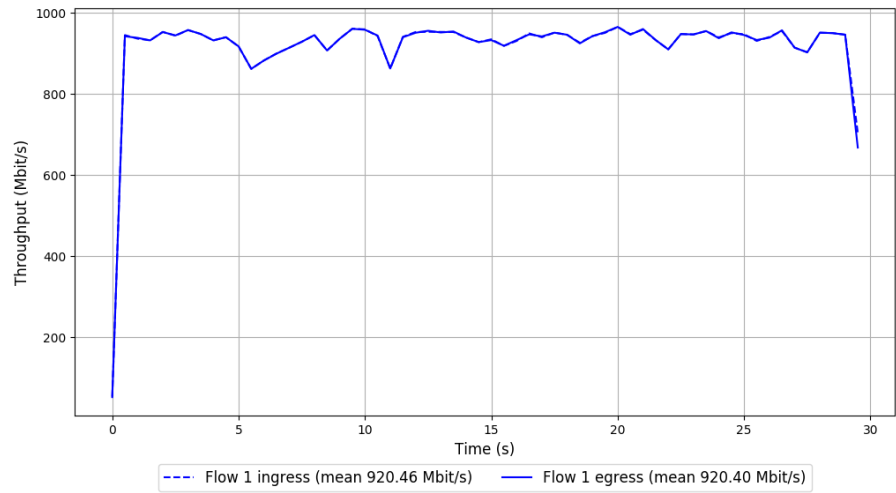


Run 4: Statistics of PCC

Start at: 2018-01-01 22:53:53
End at: 2018-01-01 22:54:23
Local clock offset: 0.674 ms
Remote clock offset: -1.181 ms

Below is generated by plot.py at 2018-01-02 05:13:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 920.40 Mbit/s
95th percentile per-packet one-way delay: 2.110 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 920.40 Mbit/s
95th percentile per-packet one-way delay: 2.110 ms
Loss rate: 0.07%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-01 23:14:21

End at: 2018-01-01 23:14:51

Local clock offset: 0.267 ms

Remote clock offset: -1.17 ms

Below is generated by plot.py at 2018-01-02 05:14:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 925.56 Mbit/s

95th percentile per-packet one-way delay: 2.113 ms

Loss rate: 0.07%

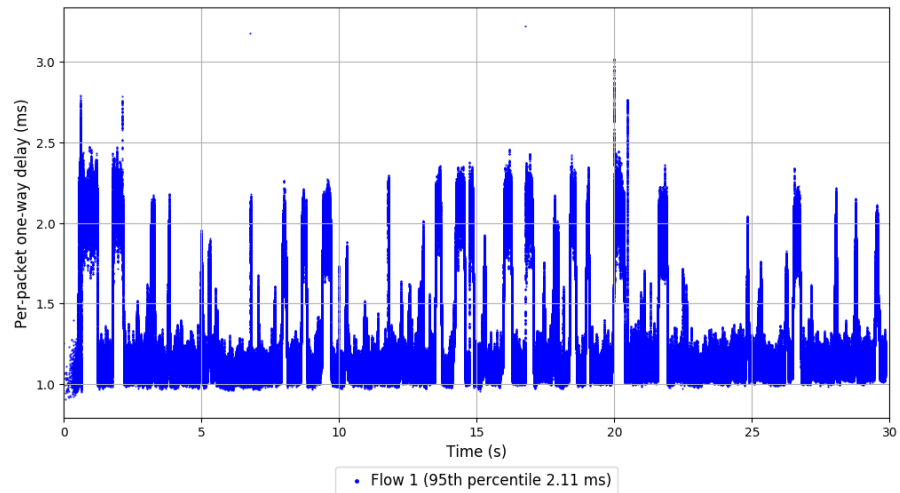
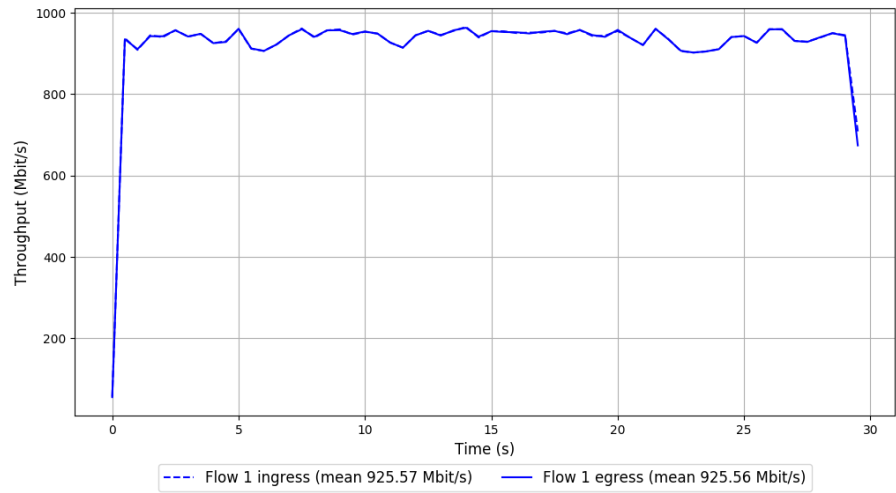
-- Flow 1:

Average throughput: 925.56 Mbit/s

95th percentile per-packet one-way delay: 2.113 ms

Loss rate: 0.07%

Run 5: Report of PCC — Data Link

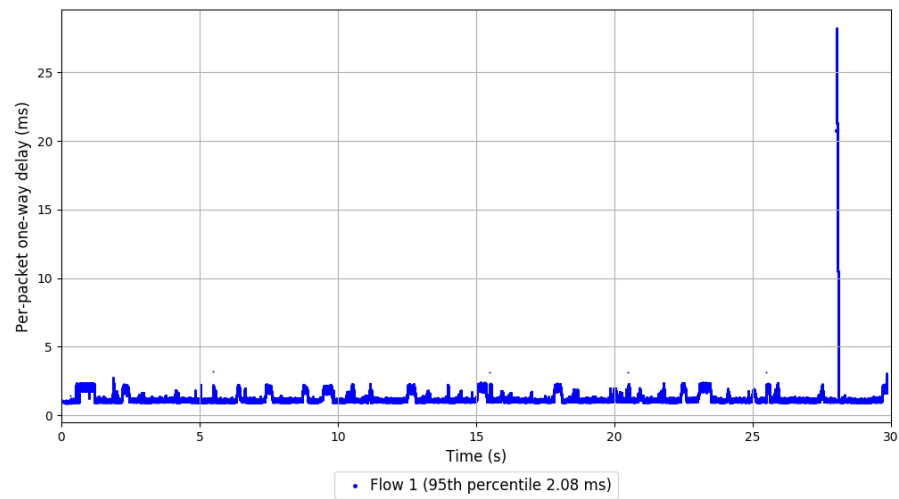
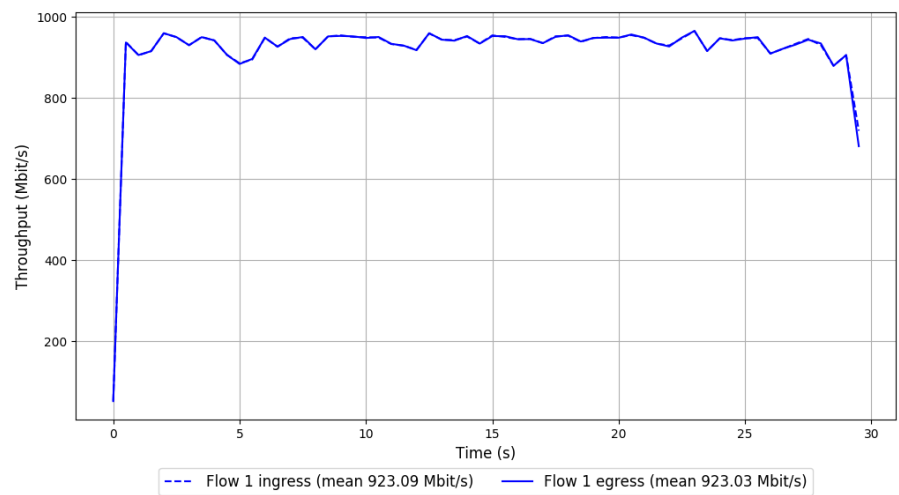


Run 6: Statistics of PCC

Start at: 2018-01-01 23:35:01
End at: 2018-01-01 23:35:31
Local clock offset: 0.274 ms
Remote clock offset: -1.036 ms

Below is generated by plot.py at 2018-01-02 05:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 923.03 Mbit/s
95th percentile per-packet one-way delay: 2.076 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 923.03 Mbit/s
95th percentile per-packet one-way delay: 2.076 ms
Loss rate: 0.07%

Run 6: Report of PCC — Data Link

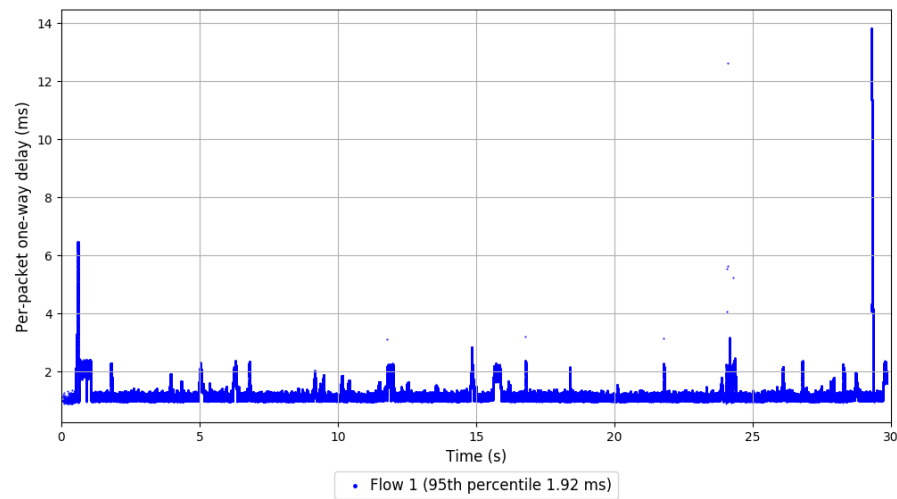
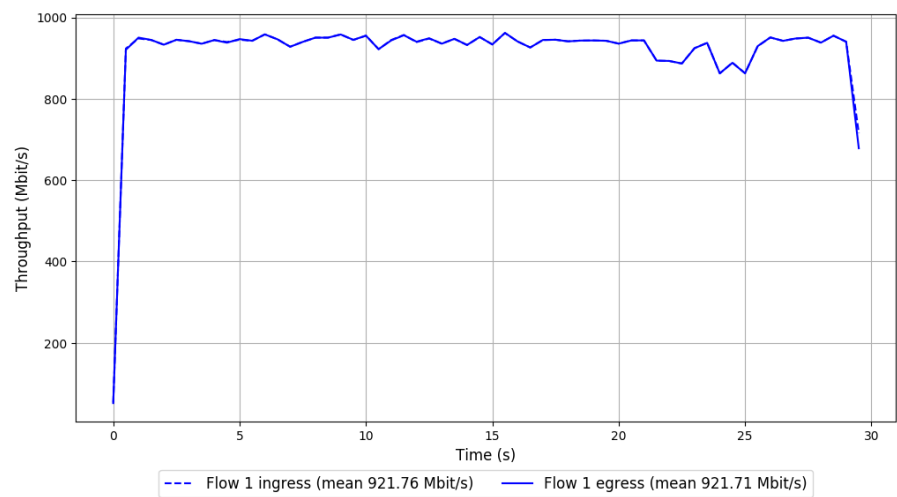


Run 7: Statistics of PCC

Start at: 2018-01-01 23:55:37
End at: 2018-01-01 23:56:07
Local clock offset: 0.495 ms
Remote clock offset: -0.789 ms

Below is generated by plot.py at 2018-01-02 05:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 921.71 Mbit/s
95th percentile per-packet one-way delay: 1.924 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 921.71 Mbit/s
95th percentile per-packet one-way delay: 1.924 ms
Loss rate: 0.07%

Run 7: Report of PCC — Data Link

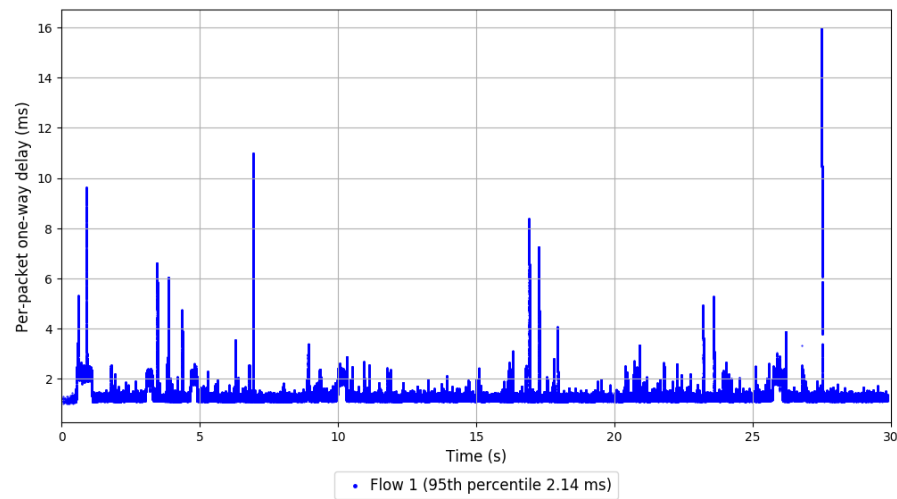
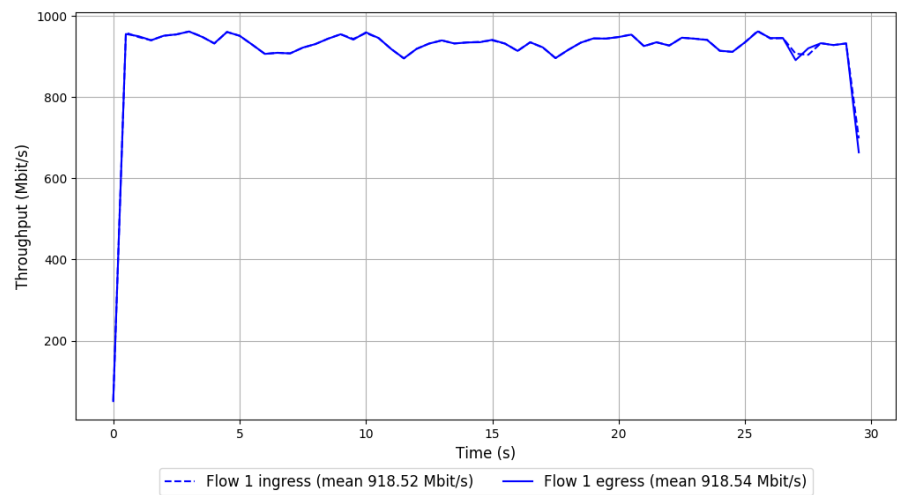


Run 8: Statistics of PCC

Start at: 2018-01-02 00:16:13
End at: 2018-01-02 00:16:43
Local clock offset: 0.612 ms
Remote clock offset: -0.647 ms

Below is generated by plot.py at 2018-01-02 05:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 918.54 Mbit/s
95th percentile per-packet one-way delay: 2.137 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 918.54 Mbit/s
95th percentile per-packet one-way delay: 2.137 ms
Loss rate: 0.07%

Run 8: Report of PCC — Data Link

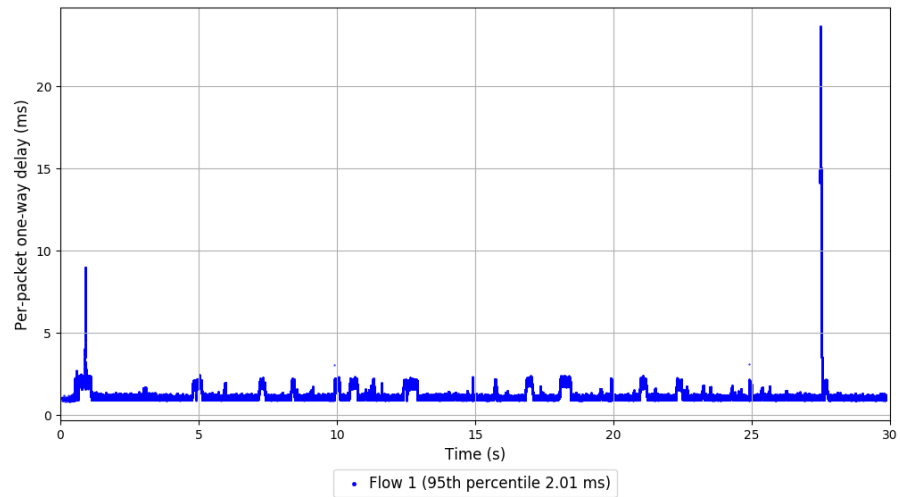
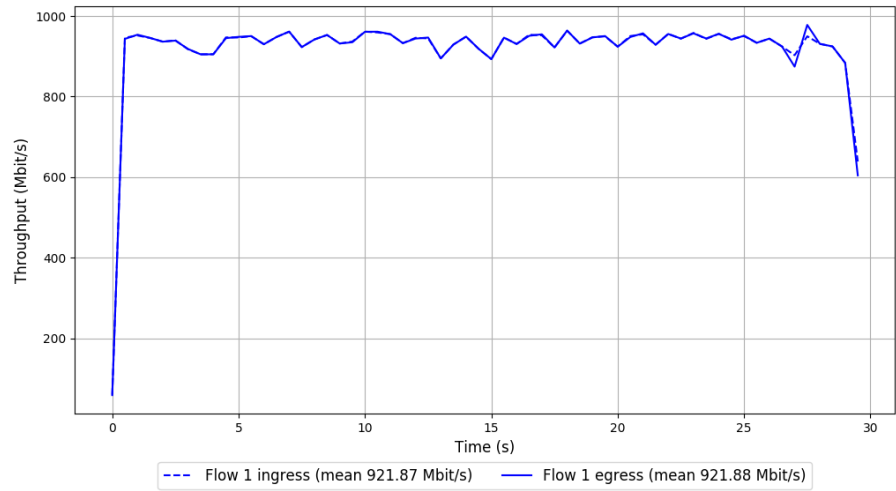


Run 9: Statistics of PCC

Start at: 2018-01-02 00:37:01
End at: 2018-01-02 00:37:31
Local clock offset: 0.469 ms
Remote clock offset: -0.858 ms

Below is generated by plot.py at 2018-01-02 05:23:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 921.88 Mbit/s
95th percentile per-packet one-way delay: 2.013 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 921.88 Mbit/s
95th percentile per-packet one-way delay: 2.013 ms
Loss rate: 0.07%

Run 9: Report of PCC — Data Link

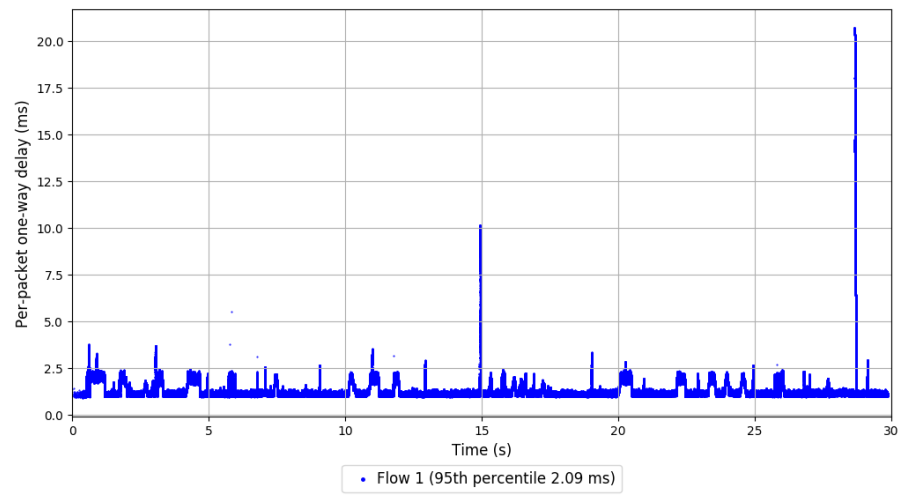
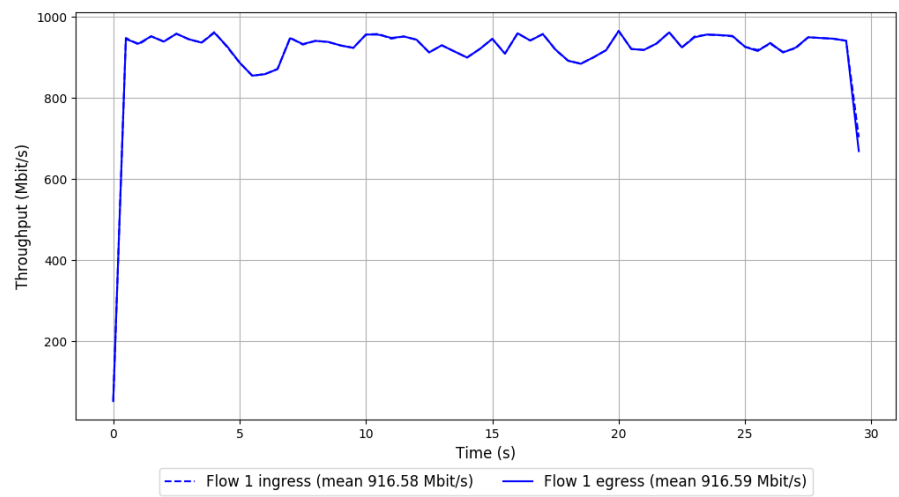


Run 10: Statistics of PCC

Start at: 2018-01-02 00:57:18
End at: 2018-01-02 00:57:48
Local clock offset: -0.096 ms
Remote clock offset: -0.813 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 916.59 Mbit/s
95th percentile per-packet one-way delay: 2.093 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 916.59 Mbit/s
95th percentile per-packet one-way delay: 2.093 ms
Loss rate: 0.07%

Run 10: Report of PCC — Data Link

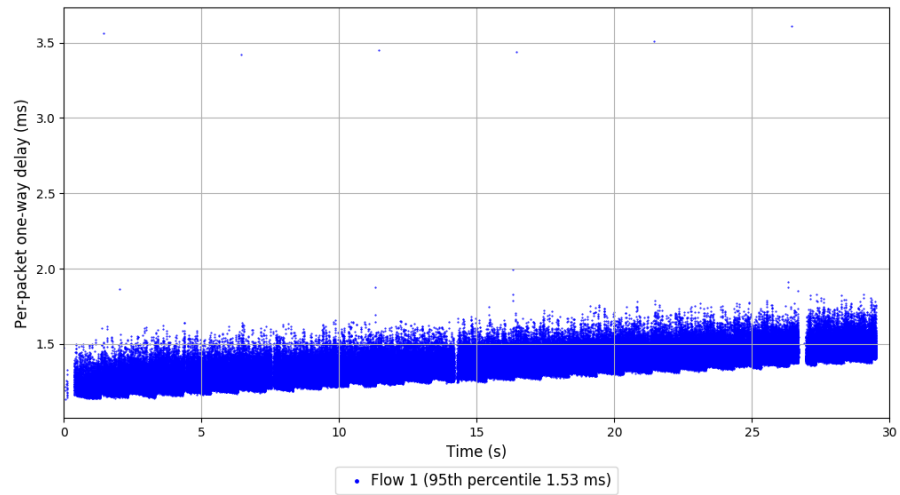
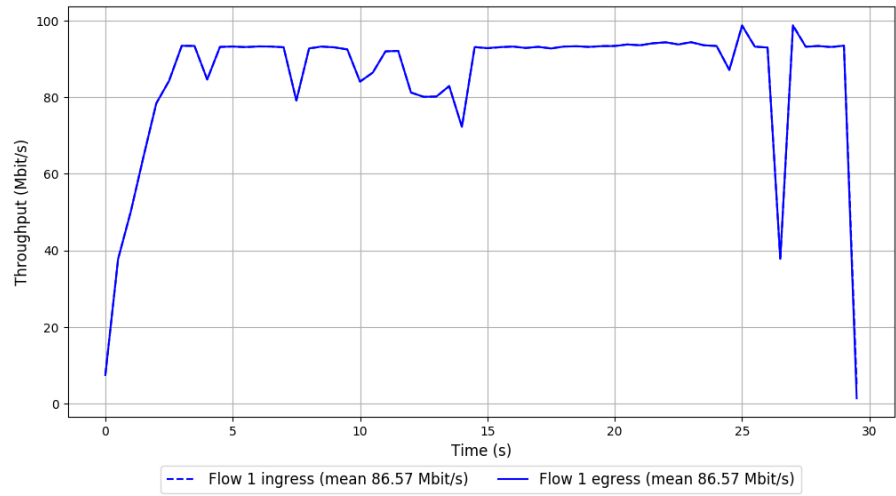


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-01 21:39:06
End at: 2018-01-01 21:39:36
Local clock offset: -3.068 ms
Remote clock offset: -1.896 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 1.533 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 1.533 ms
Loss rate: 0.07%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-01 21:59:38

End at: 2018-01-01 22:00:08

Local clock offset: -3.088 ms

Remote clock offset: -1.191 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.75 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.07%

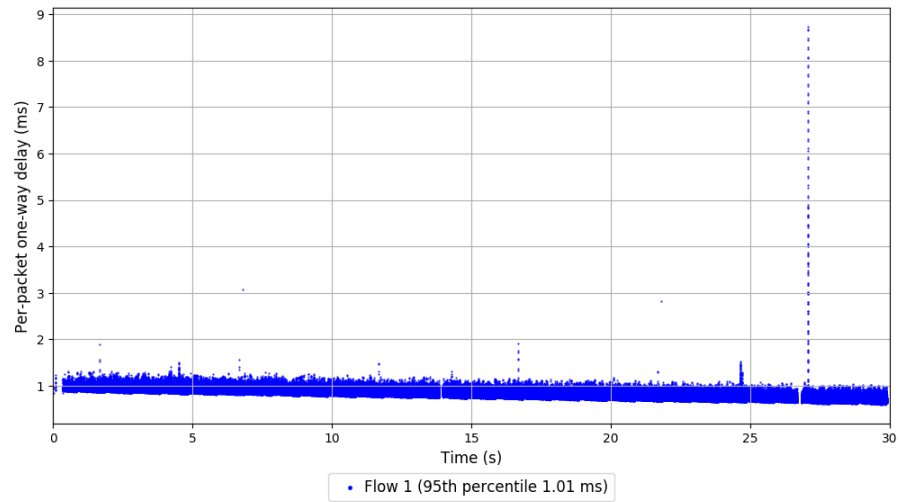
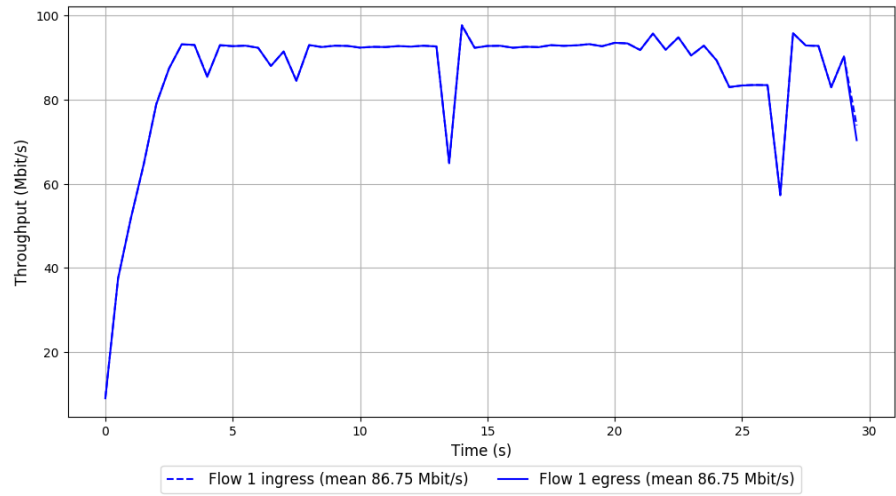
-- Flow 1:

Average throughput: 86.75 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.07%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-01 22:20:13

End at: 2018-01-01 22:20:43

Local clock offset: -0.226 ms

Remote clock offset: -1.305 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.20 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.07%

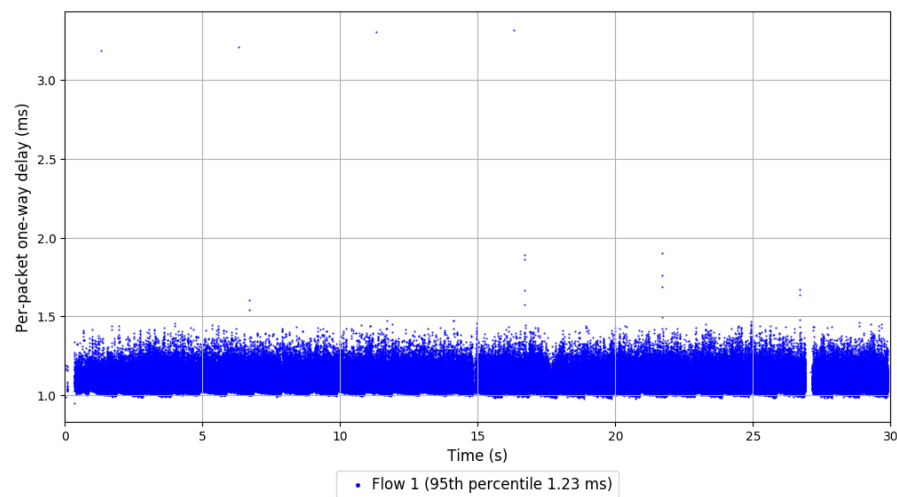
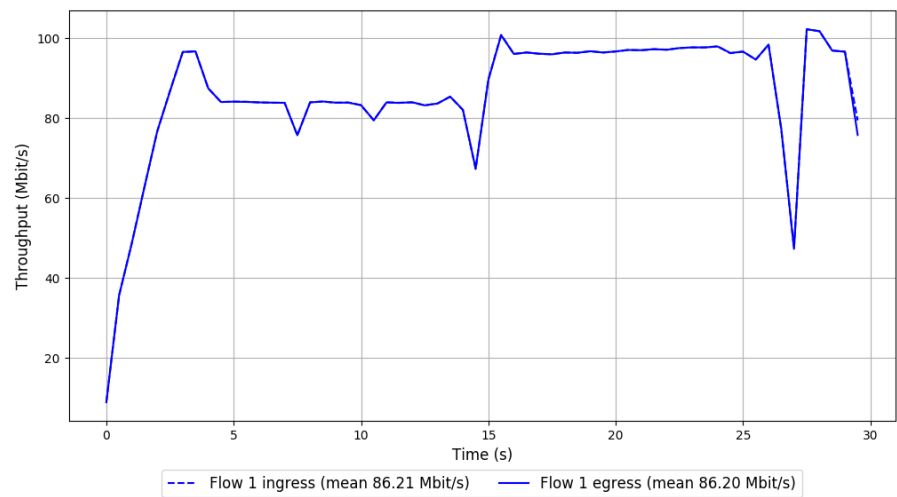
-- Flow 1:

Average throughput: 86.20 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-01 22:41:08

End at: 2018-01-01 22:41:38

Local clock offset: 0.399 ms

Remote clock offset: -1.071 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.03 Mbit/s

95th percentile per-packet one-way delay: 1.208 ms

Loss rate: 0.07%

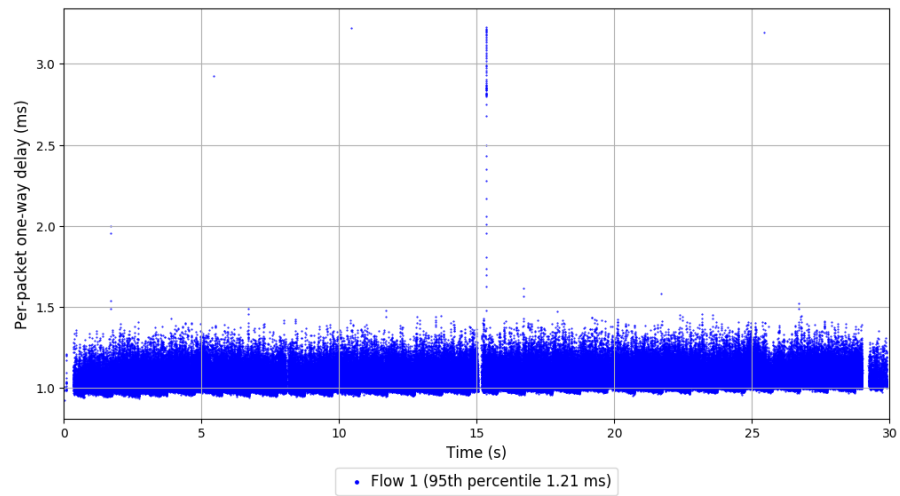
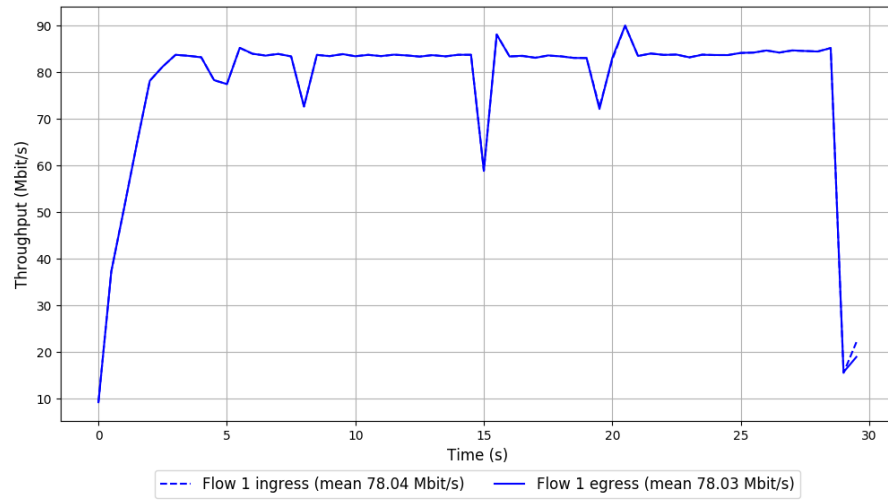
-- Flow 1:

Average throughput: 78.03 Mbit/s

95th percentile per-packet one-way delay: 1.208 ms

Loss rate: 0.07%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-01 23:01:53

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

Local clock offset: 0.647 ms

Remote clock offset: -1.143 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 1.089 ms

Loss rate: 0.07%

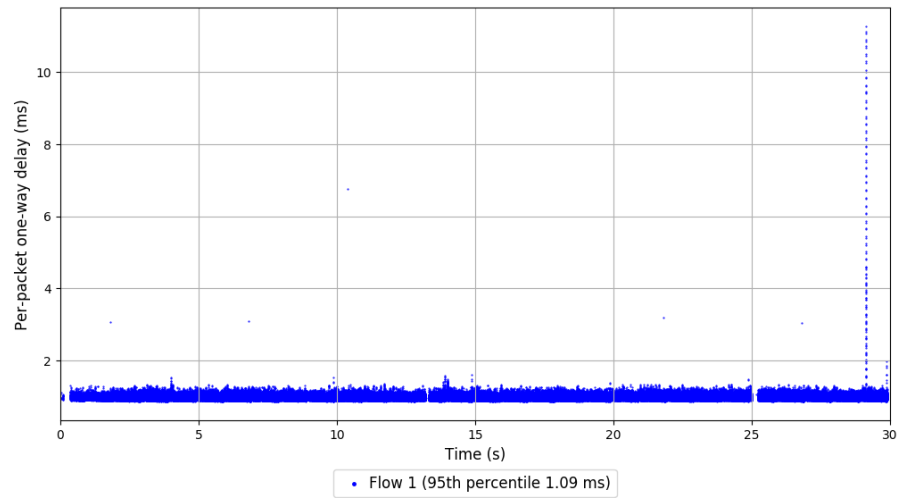
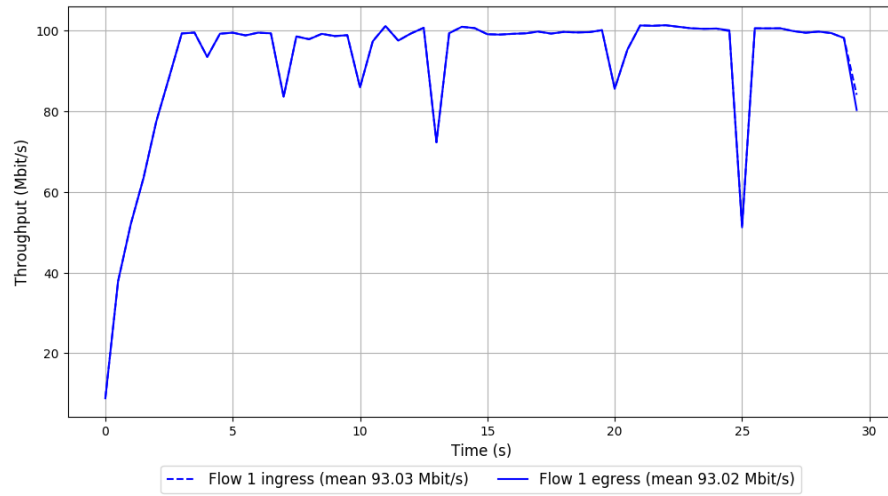
-- Flow 1:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 1.089 ms

Loss rate: 0.07%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-01 23:22:33

End at: 2018-01-01 23:23:03

Local clock offset: 0.114 ms

Remote clock offset: -0.985 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.24 Mbit/s

95th percentile per-packet one-way delay: 1.124 ms

Loss rate: 0.06%

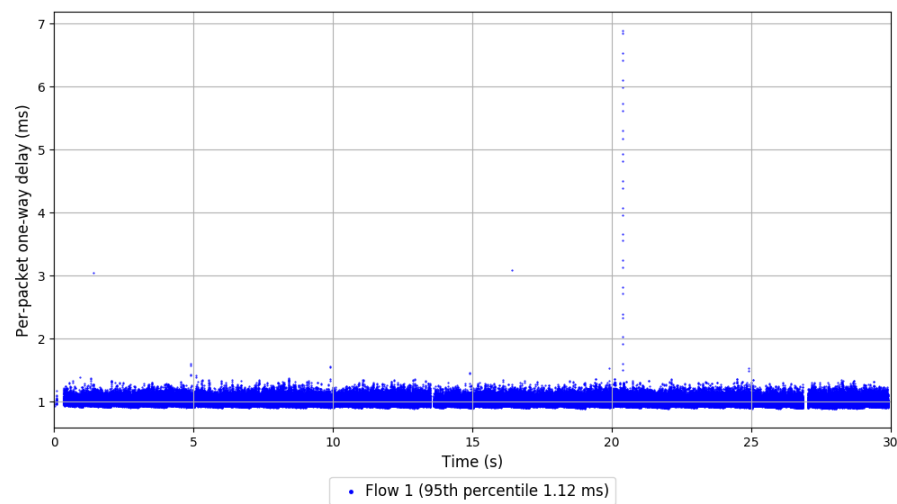
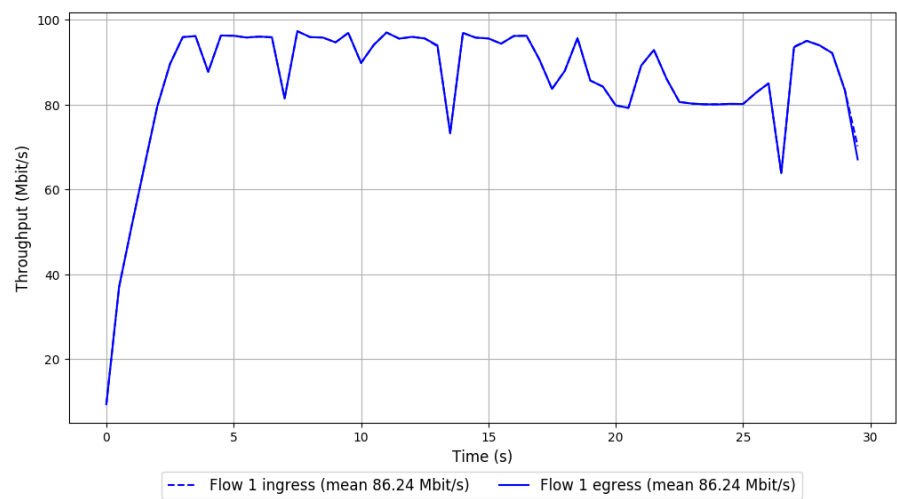
-- Flow 1:

Average throughput: 86.24 Mbit/s

95th percentile per-packet one-way delay: 1.124 ms

Loss rate: 0.06%

Run 6: Report of QUIC Cubic — Data Link

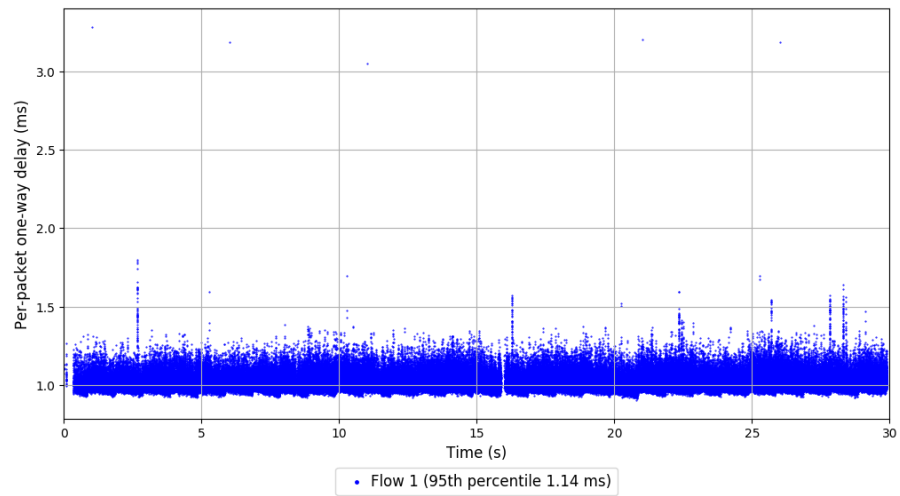
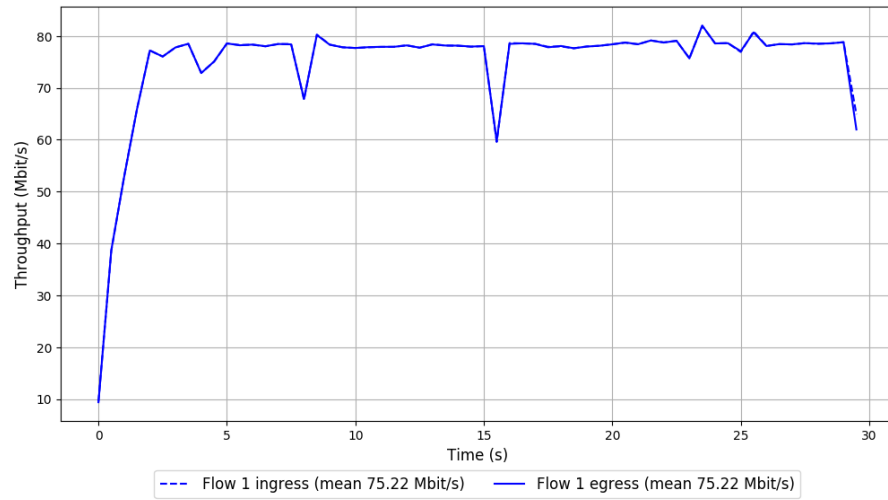


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-01 23:43:00
End at: 2018-01-01 23:43:30
Local clock offset: 0.298 ms
Remote clock offset: -0.904 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.07%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-02 00:03:45

End at: 2018-01-02 00:04:15

Local clock offset: 0.579 ms

Remote clock offset: -0.61 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.62 Mbit/s

95th percentile per-packet one-way delay: 1.060 ms

Loss rate: 0.08%

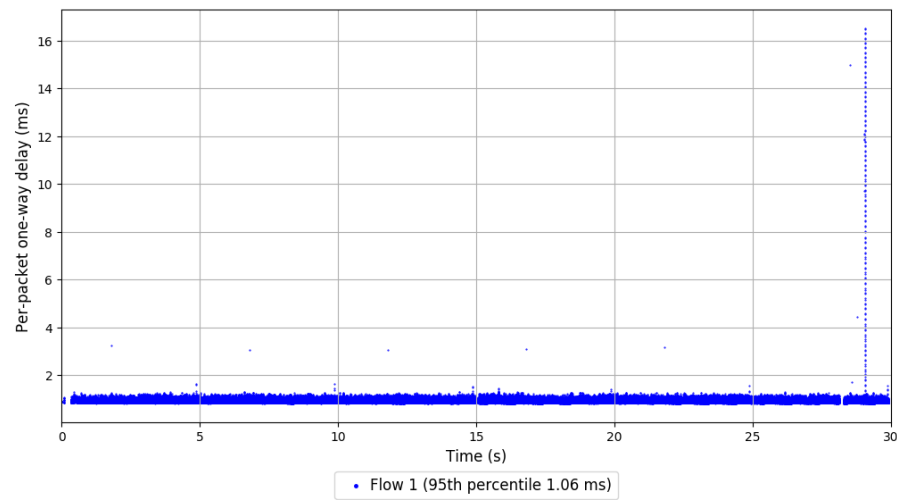
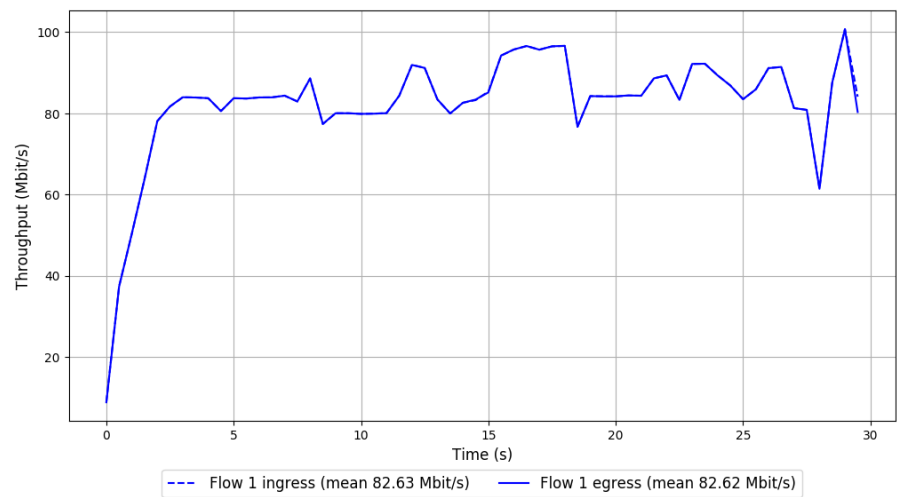
-- Flow 1:

Average throughput: 82.62 Mbit/s

95th percentile per-packet one-way delay: 1.060 ms

Loss rate: 0.08%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-02 00:24:23

End at: 2018-01-02 00:24:53

Local clock offset: 0.556 ms

Remote clock offset: -0.607 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.92 Mbit/s

95th percentile per-packet one-way delay: 1.187 ms

Loss rate: 0.08%

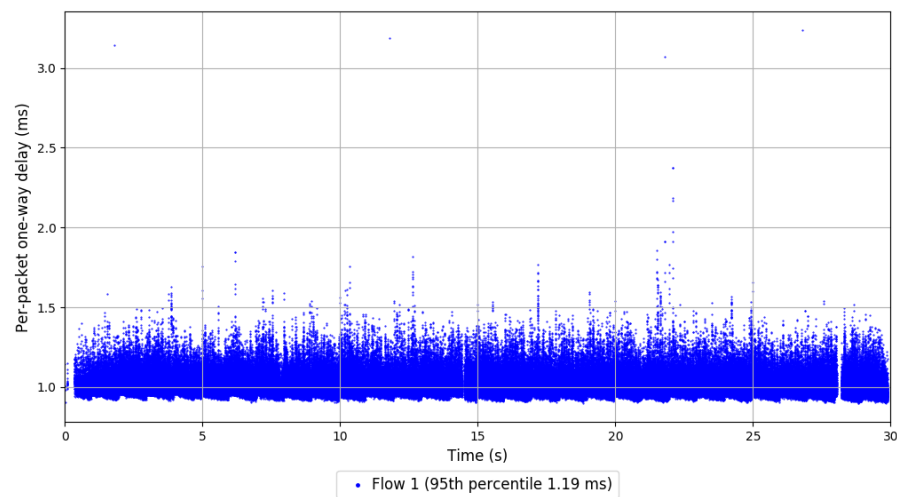
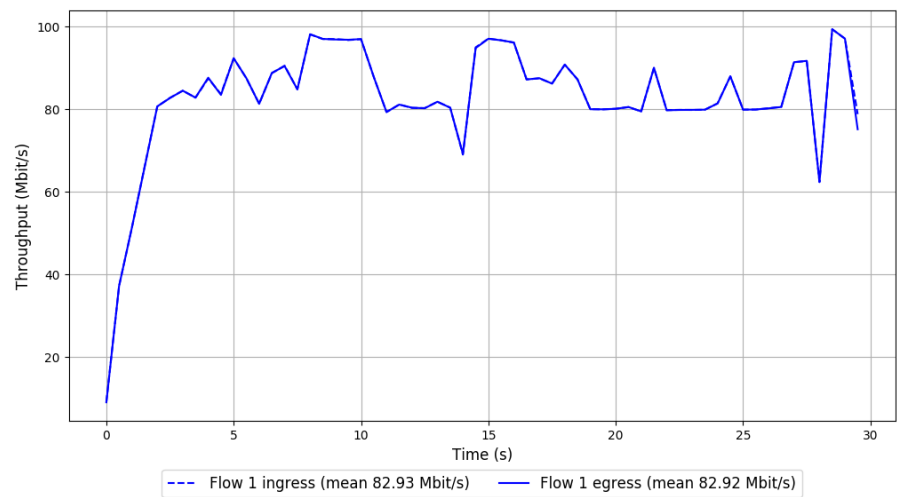
-- Flow 1:

Average throughput: 82.92 Mbit/s

95th percentile per-packet one-way delay: 1.187 ms

Loss rate: 0.08%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-02 00:45:04

End at: 2018-01-02 00:45:34

Local clock offset: 0.318 ms

Remote clock offset: -0.967 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.19 Mbit/s

95th percentile per-packet one-way delay: 1.252 ms

Loss rate: 0.04%

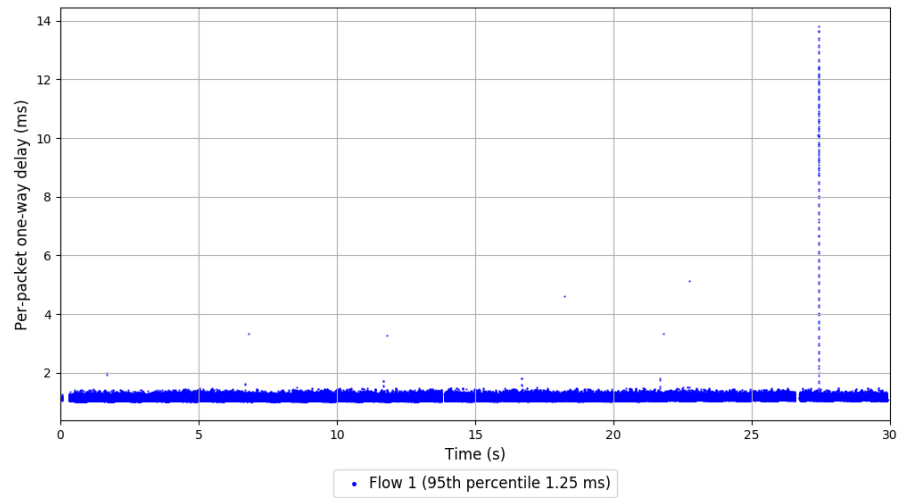
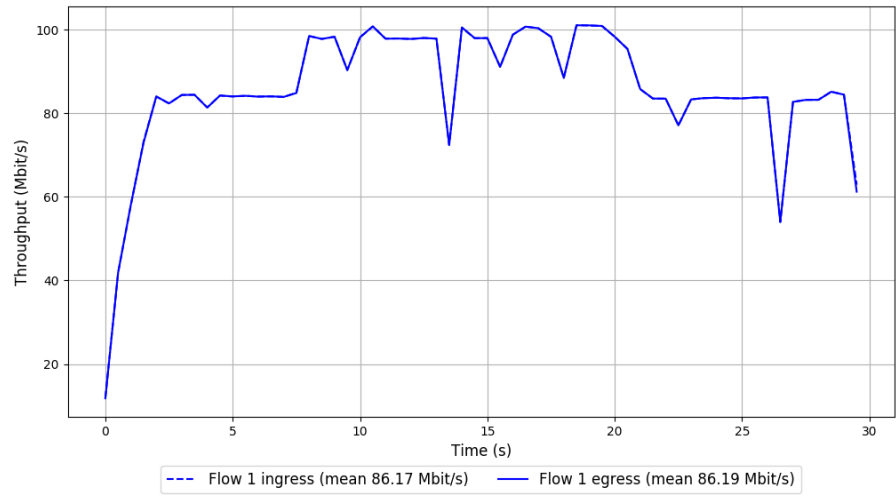
-- Flow 1:

Average throughput: 86.19 Mbit/s

95th percentile per-packet one-way delay: 1.252 ms

Loss rate: 0.04%

Run 10: Report of QUIC Cubic — Data Link

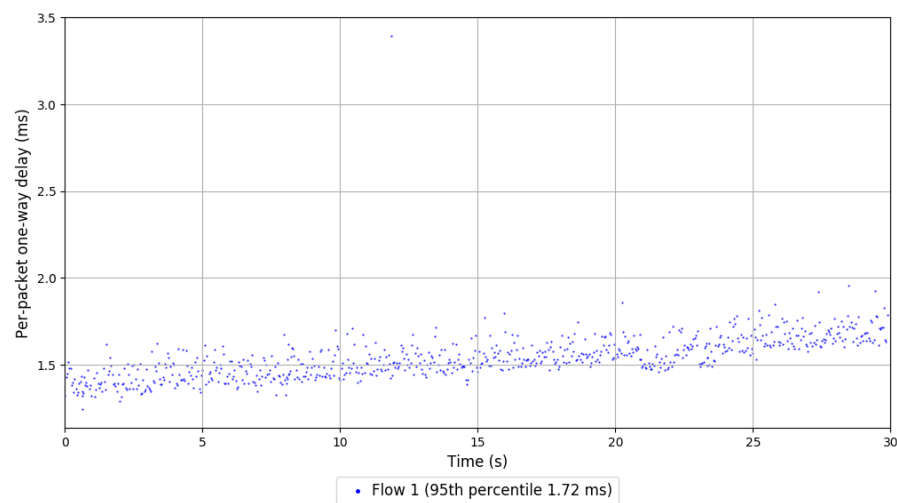
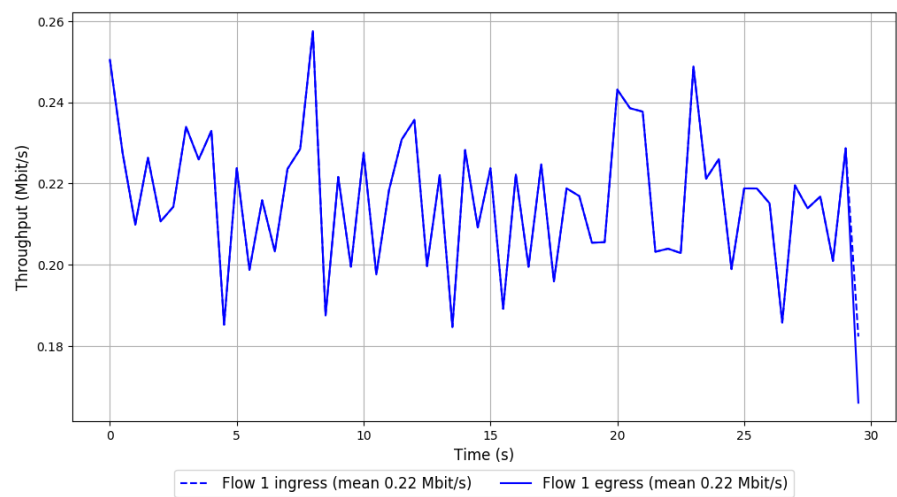


Run 1: Statistics of SCReAM

Start at: 2018-01-01 21:34:09
End at: 2018-01-01 21:34:39
Local clock offset: -0.909 ms
Remote clock offset: -1.981 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.723 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.723 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

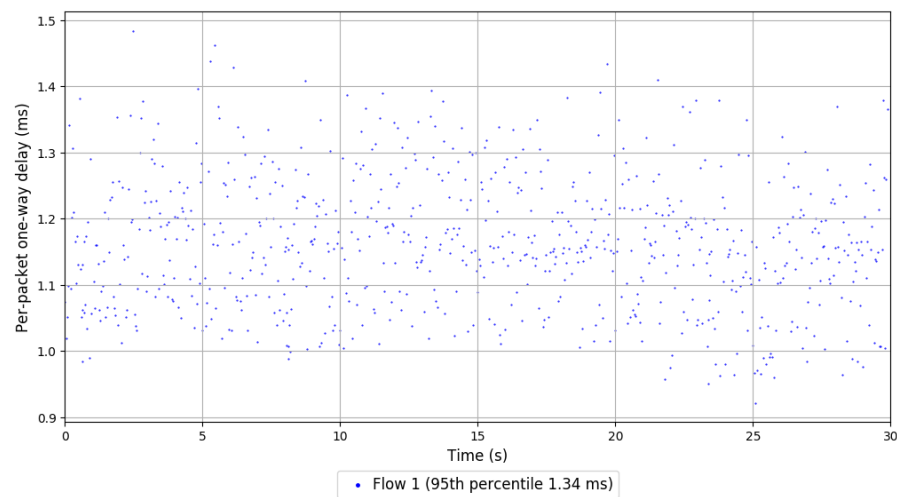
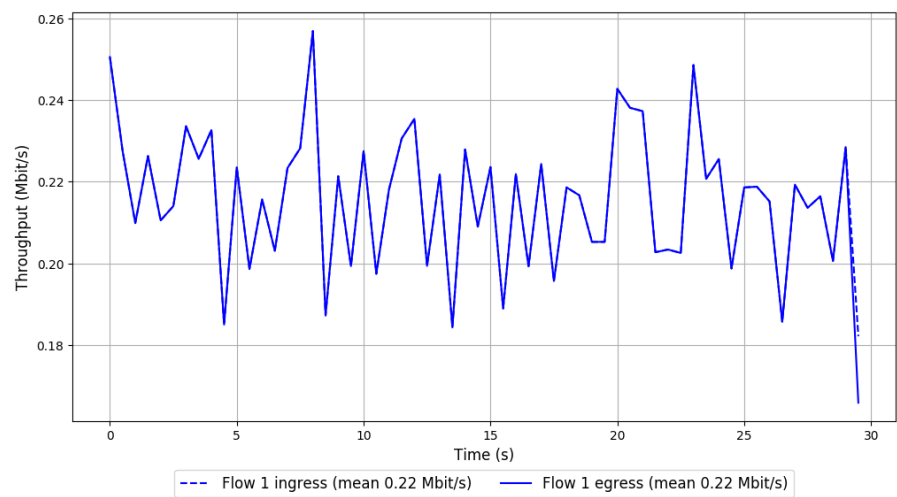


Run 2: Statistics of SCReAM

Start at: 2018-01-01 21:54:38
End at: 2018-01-01 21:55:08
Local clock offset: -2.963 ms
Remote clock offset: -1.348 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-01 22:15:12

End at: 2018-01-01 22:15:42

Local clock offset: -0.591 ms

Remote clock offset: -1.23 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.287 ms

Loss rate: 0.13%

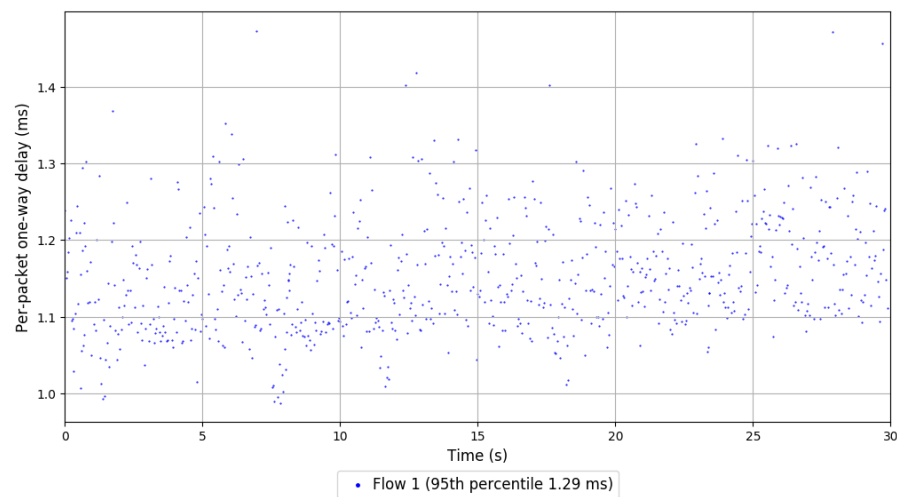
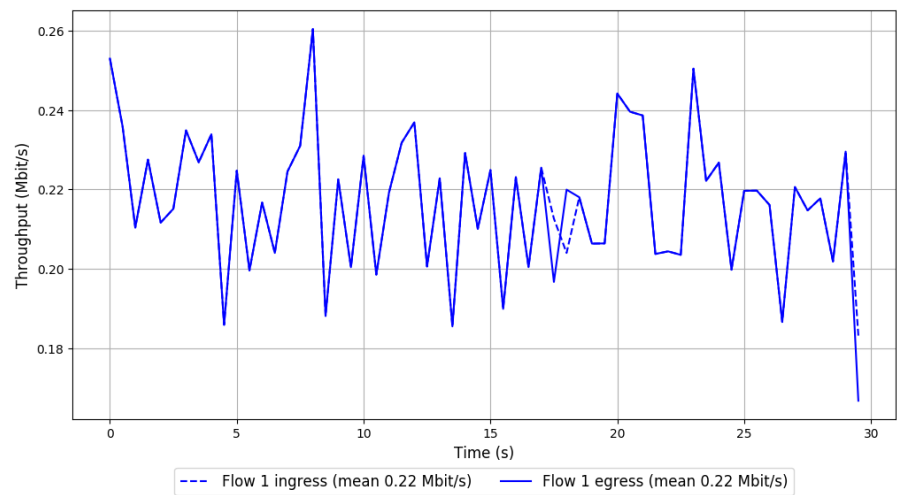
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.287 ms

Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

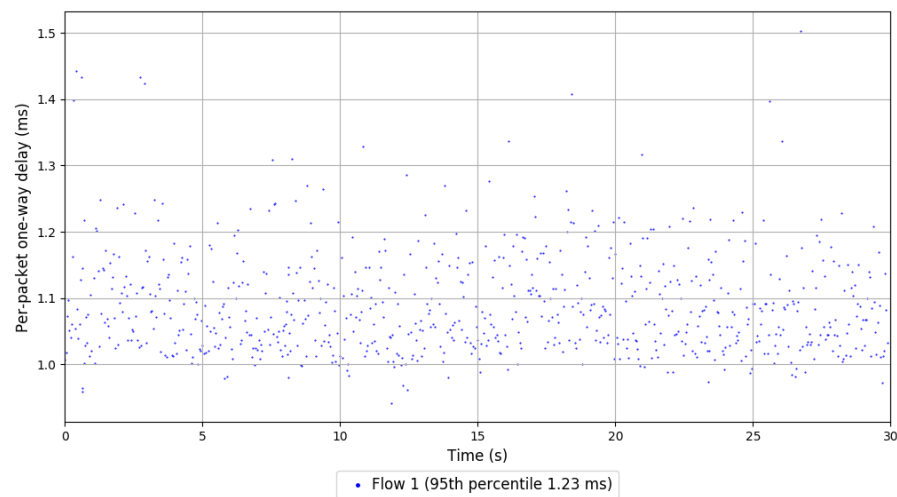
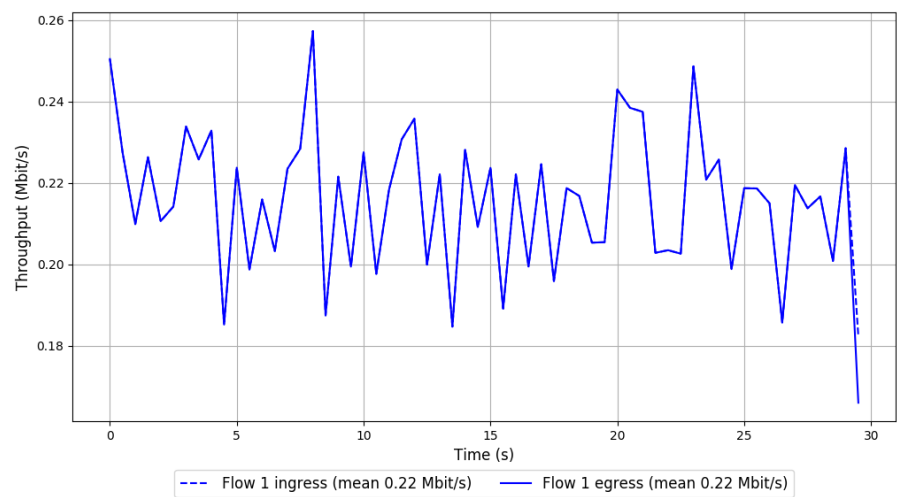


Run 4: Statistics of SCReAM

Start at: 2018-01-01 22:36:03
End at: 2018-01-01 22:36:33
Local clock offset: 0.514 ms
Remote clock offset: -0.976 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

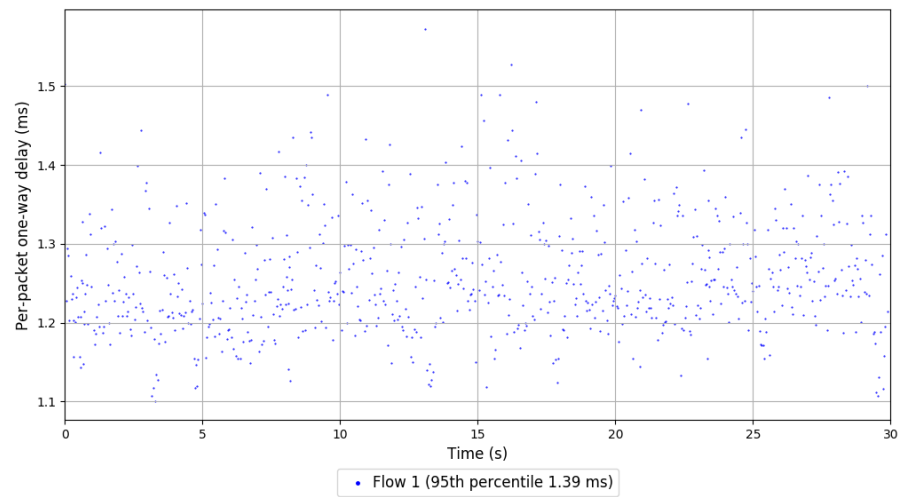
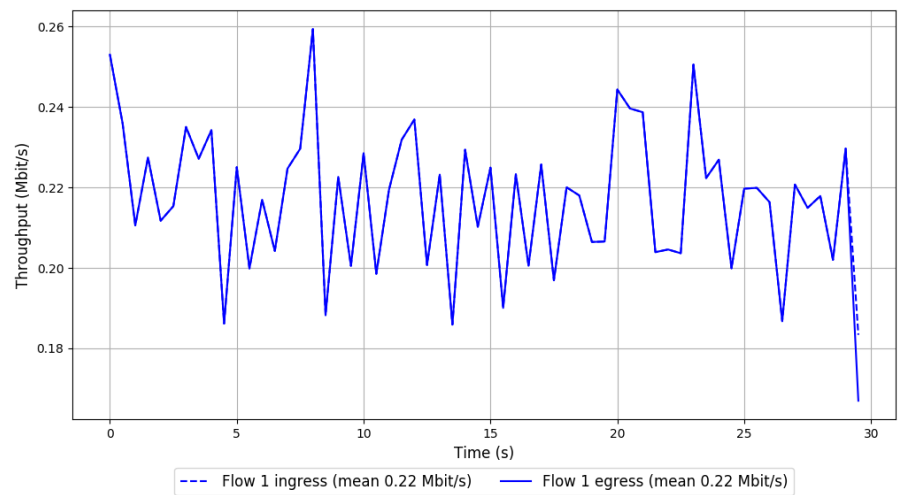


Run 5: Statistics of SCReAM

Start at: 2018-01-01 22:56:56
End at: 2018-01-01 22:57:26
Local clock offset: 0.78 ms
Remote clock offset: -1.185 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.389 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.389 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

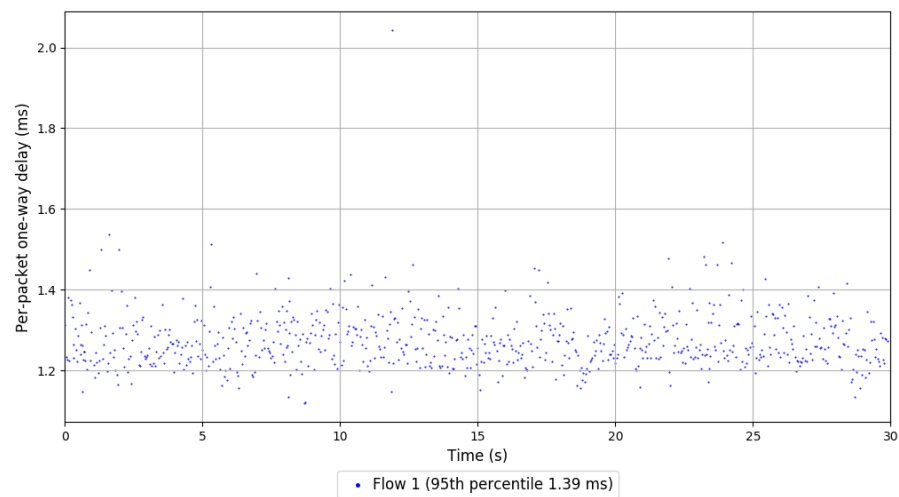
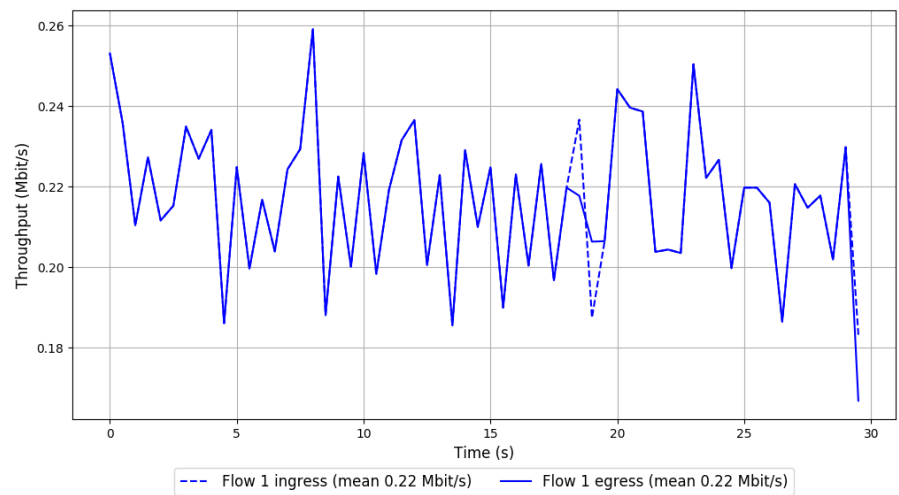


Run 6: Statistics of SCReAM

Start at: 2018-01-01 23:17:30
End at: 2018-01-01 23:18:00
Local clock offset: 0.27 ms
Remote clock offset: -1.157 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.388 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.388 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

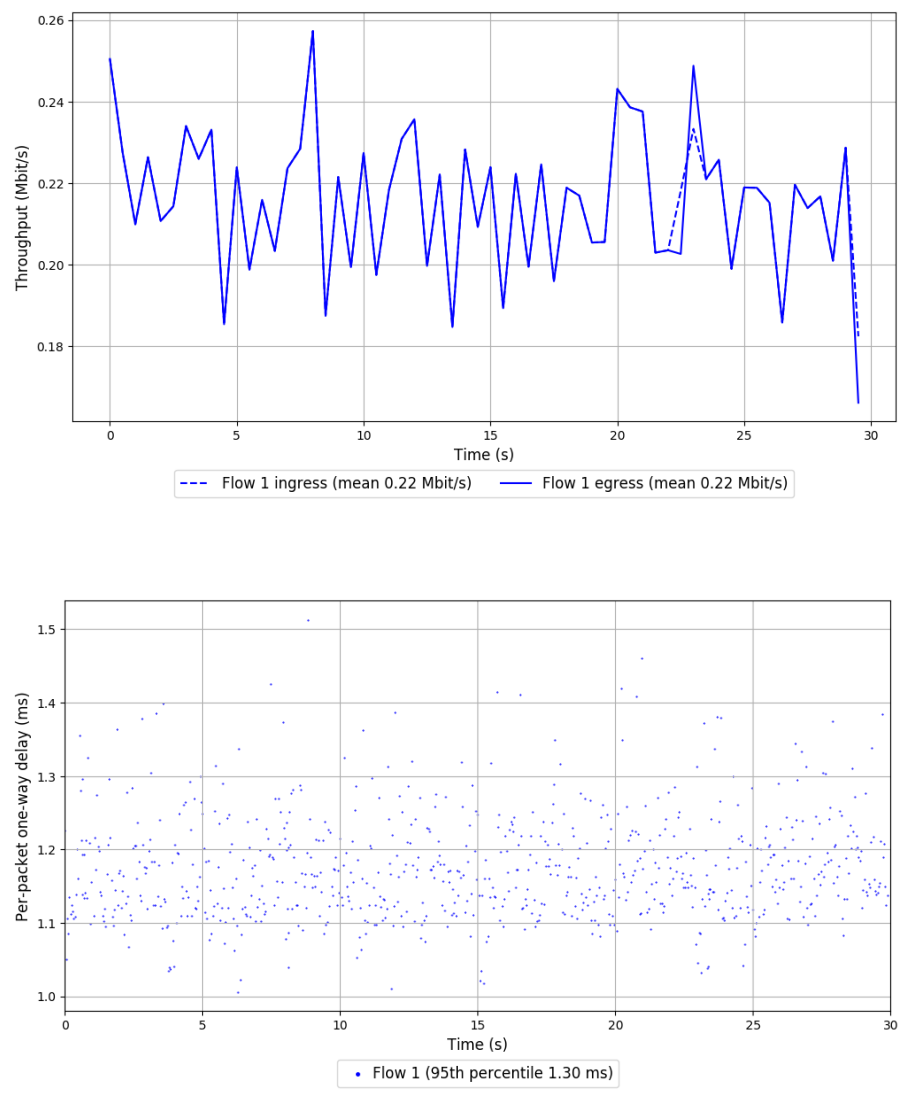


Run 7: Statistics of SCReAM

Start at: 2018-01-01 23:38:04
End at: 2018-01-01 23:38:34
Local clock offset: 0.43 ms
Remote clock offset: -0.908 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

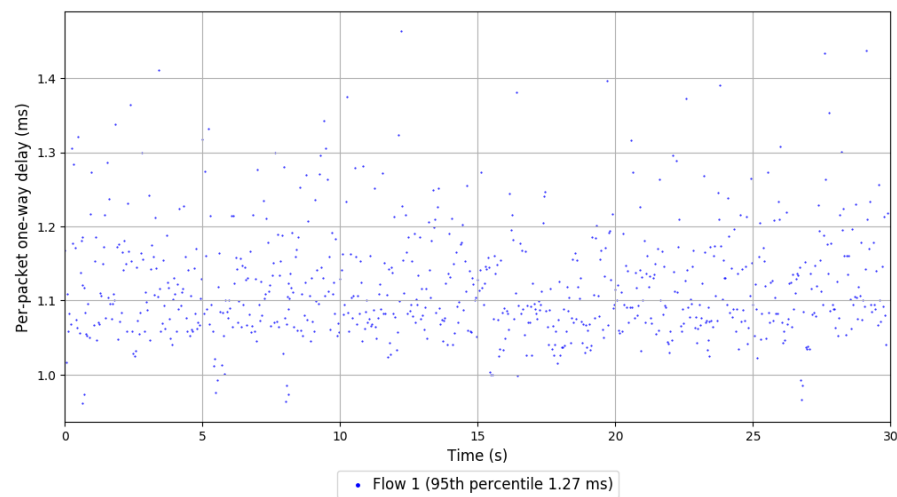
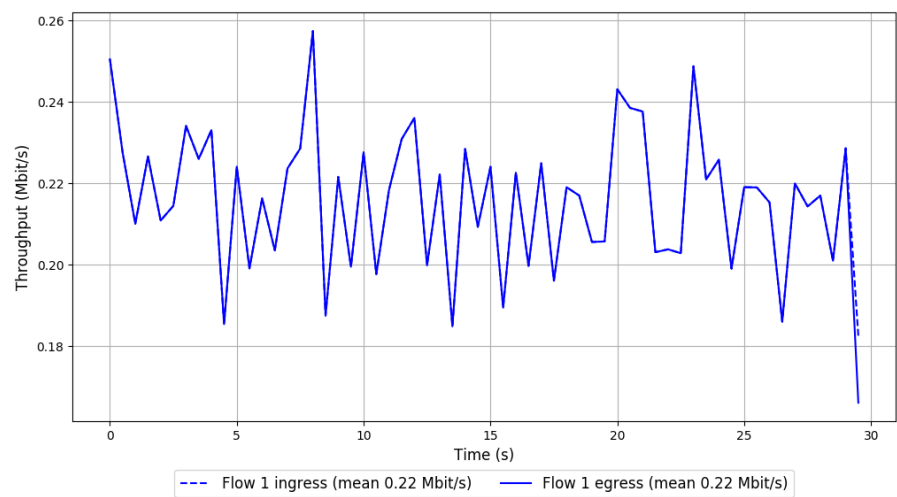


Run 8: Statistics of SCReAM

Start at: 2018-01-01 23:58:43
End at: 2018-01-01 23:59:13
Local clock offset: 0.565 ms
Remote clock offset: -0.697 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

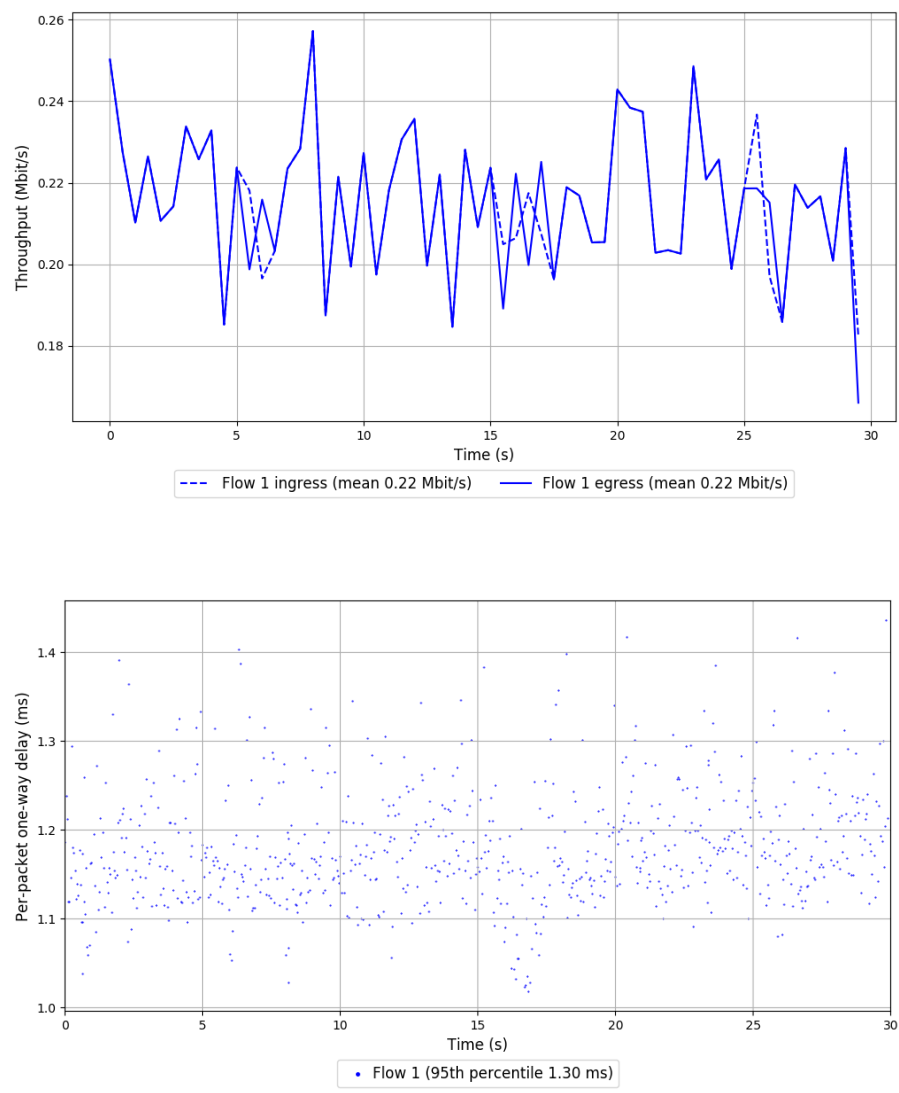


Run 9: Statistics of SReAM

Start at: 2018-01-02 00:19:23
End at: 2018-01-02 00:19:53
Local clock offset: 0.574 ms
Remote clock offset: -0.543 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-02 00:40:06

End at: 2018-01-02 00:40:36

Local clock offset: 0.548 ms

Remote clock offset: -0.887 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.277 ms

Loss rate: 0.13%

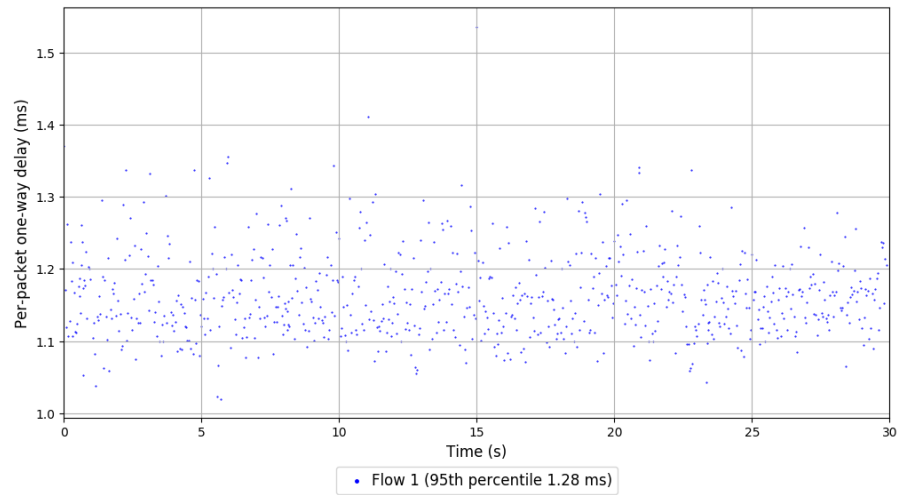
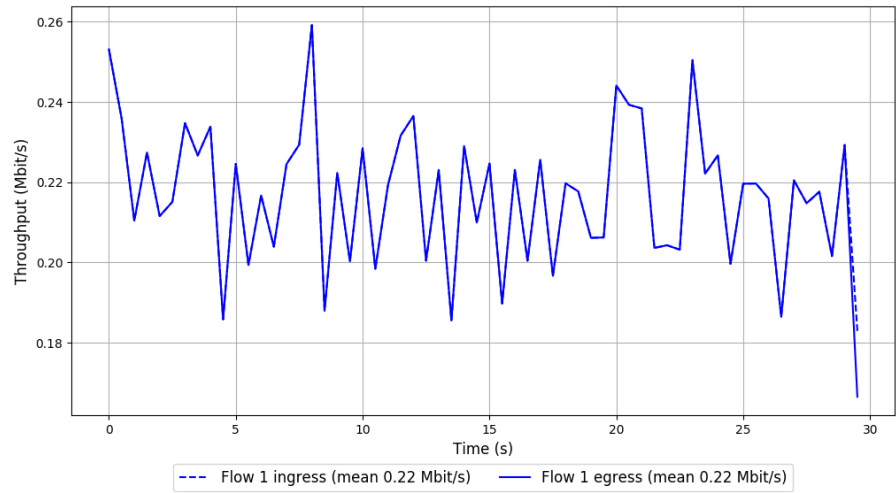
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.277 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-01-01 21:50:24

End at: 2018-01-01 21:50:54

Local clock offset: -2.8 ms

Remote clock offset: -1.43 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 1.340 ms

Loss rate: 0.14%

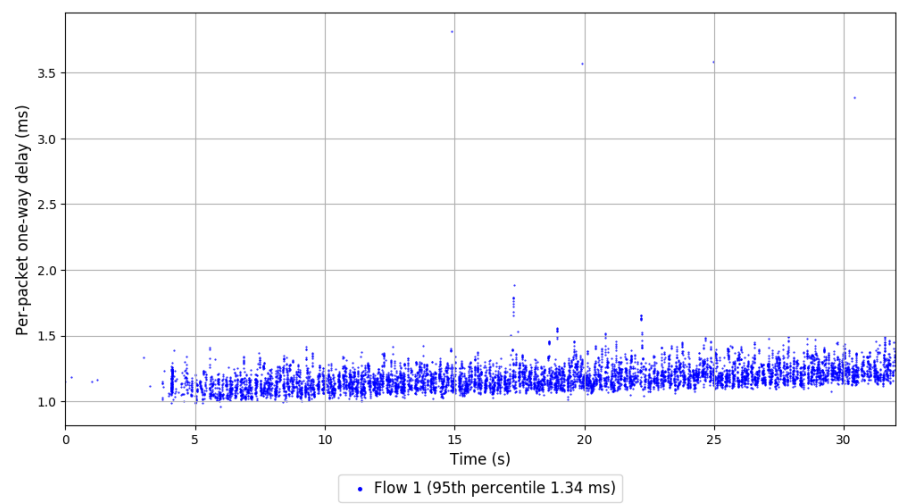
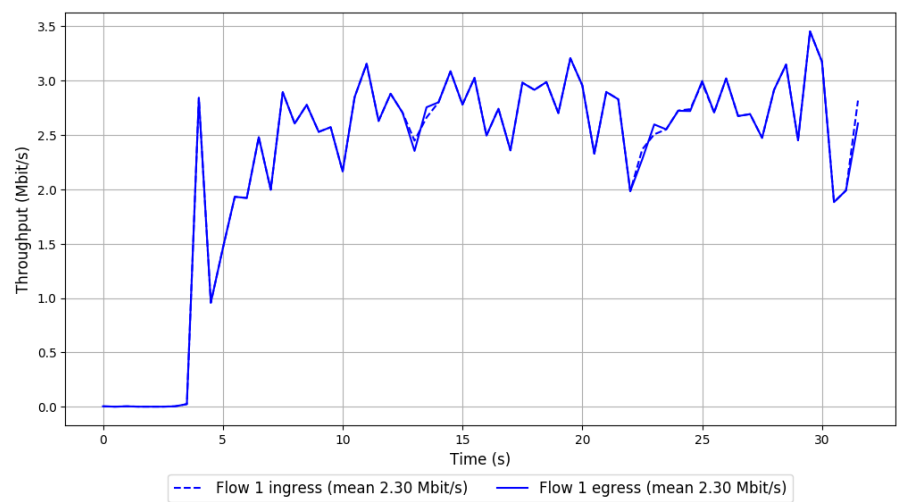
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 1.340 ms

Loss rate: 0.14%

Run 1: Report of WebRTC media — Data Link

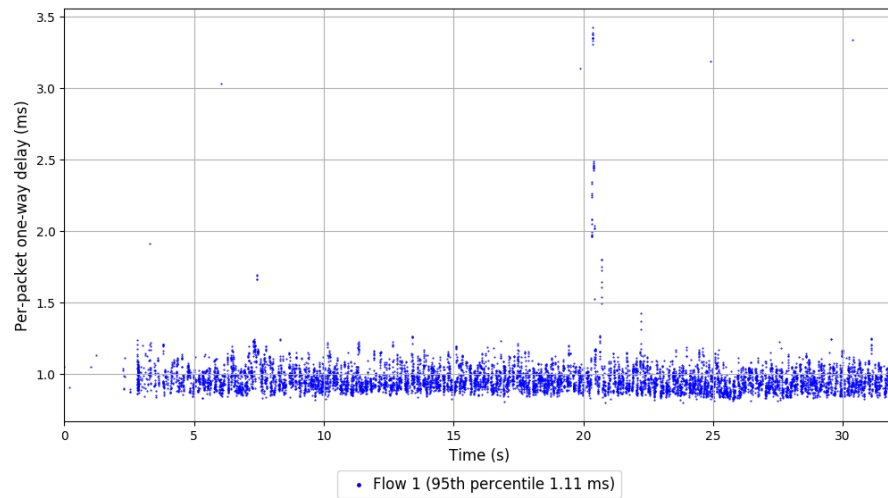
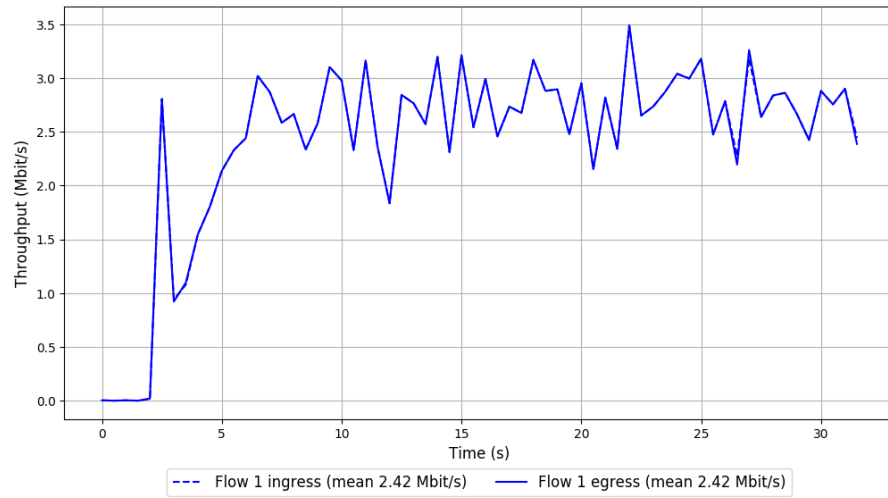


Run 2: Statistics of WebRTC media

Start at: 2018-01-01 22:10:54
End at: 2018-01-01 22:11:24
Local clock offset: -0.483 ms
Remote clock offset: -1.237 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.04%

Run 2: Report of WebRTC media — Data Link

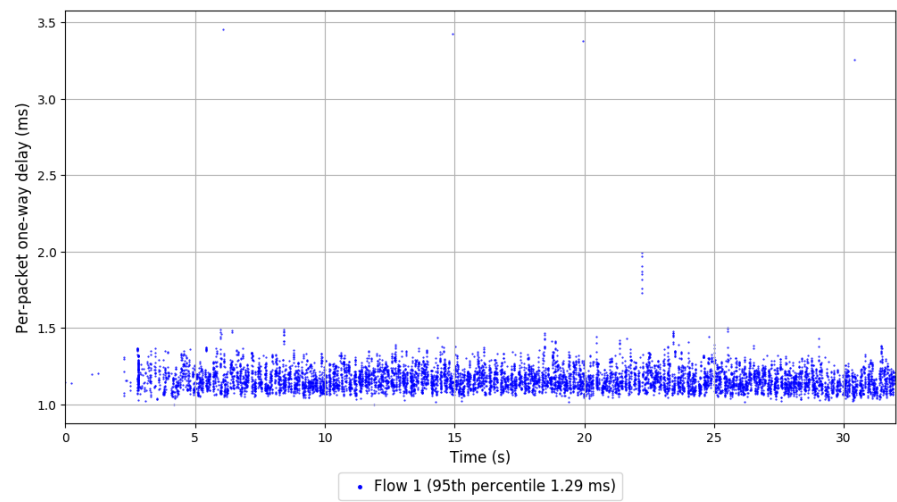
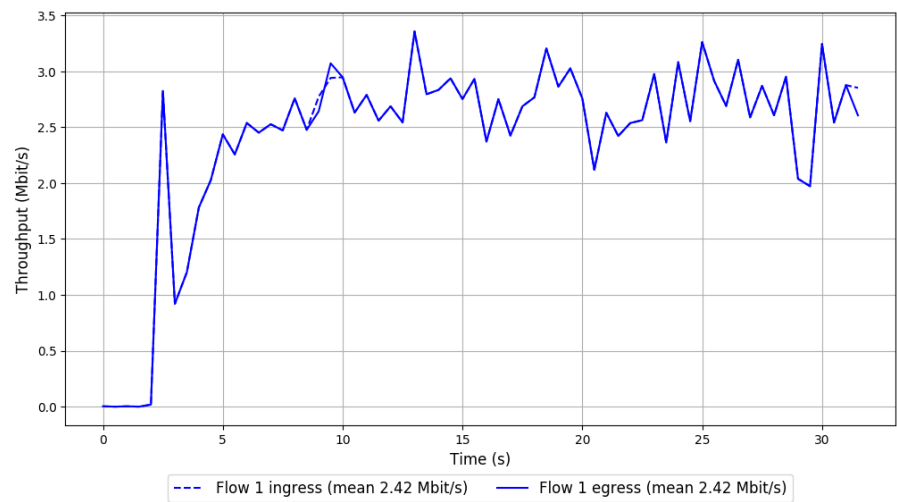


Run 3: Statistics of WebRTC media

Start at: 2018-01-01 22:31:45
End at: 2018-01-01 22:32:15
Local clock offset: 0.135 ms
Remote clock offset: -1.135 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.16%

Run 3: Report of WebRTC media — Data Link

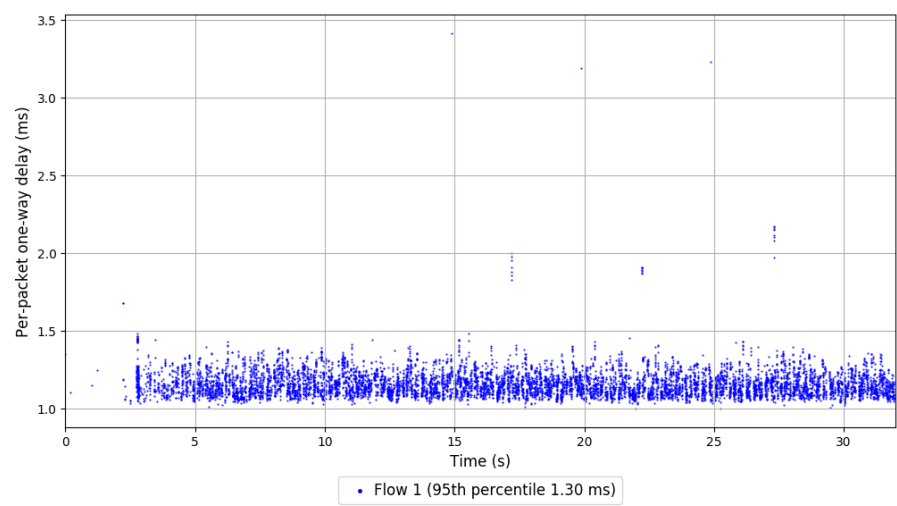
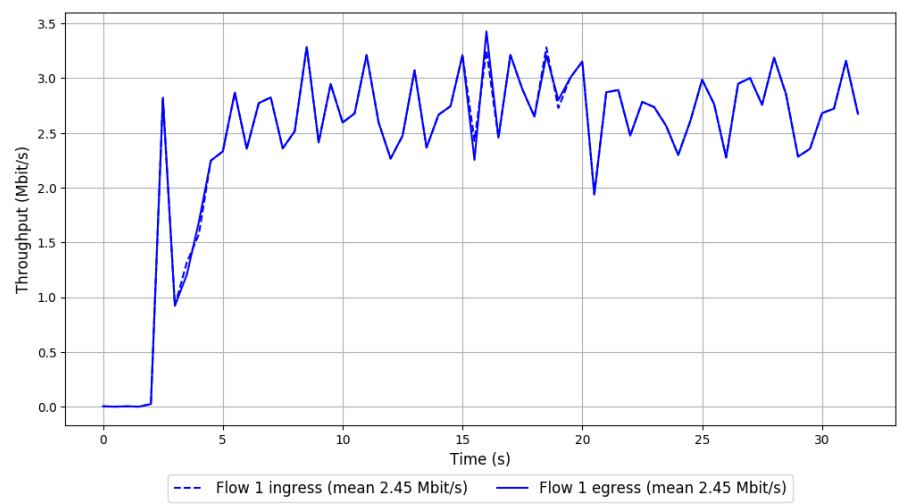


Run 4: Statistics of WebRTC media

Start at: 2018-01-01 22:52:43
End at: 2018-01-01 22:53:13
Local clock offset: 0.771 ms
Remote clock offset: -1.179 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

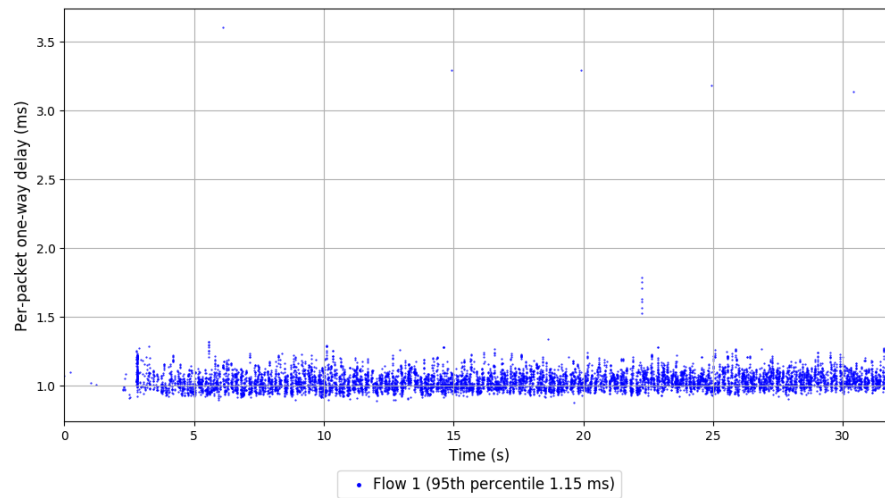
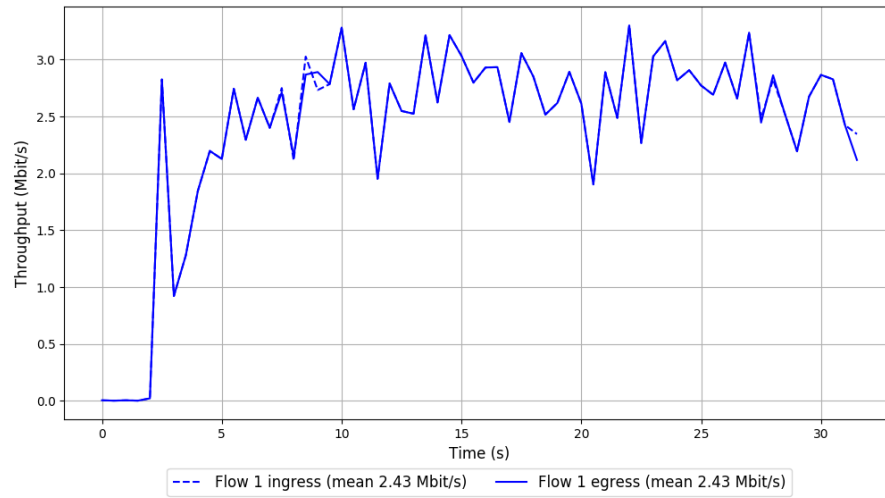


Run 5: Statistics of WebRTC media

Start at: 2018-01-01 23:13:11
End at: 2018-01-01 23:13:41
Local clock offset: 0.317 ms
Remote clock offset: -1.169 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.15%

Run 5: Report of WebRTC media — Data Link

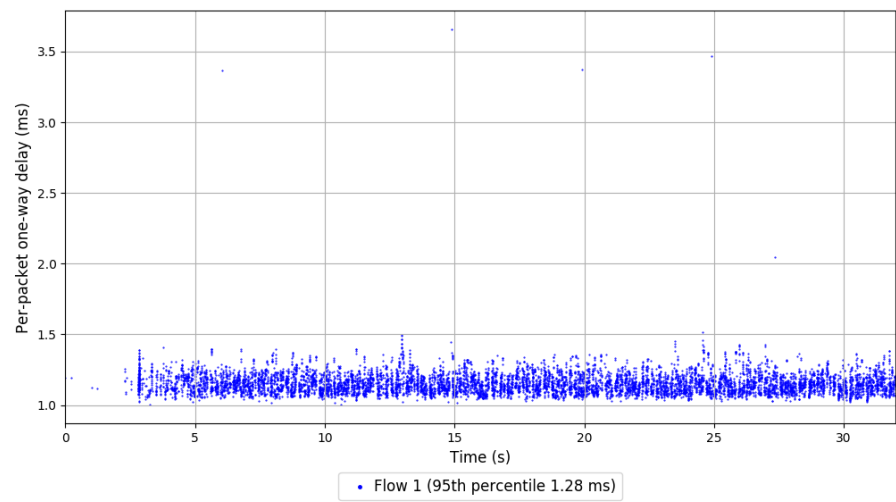
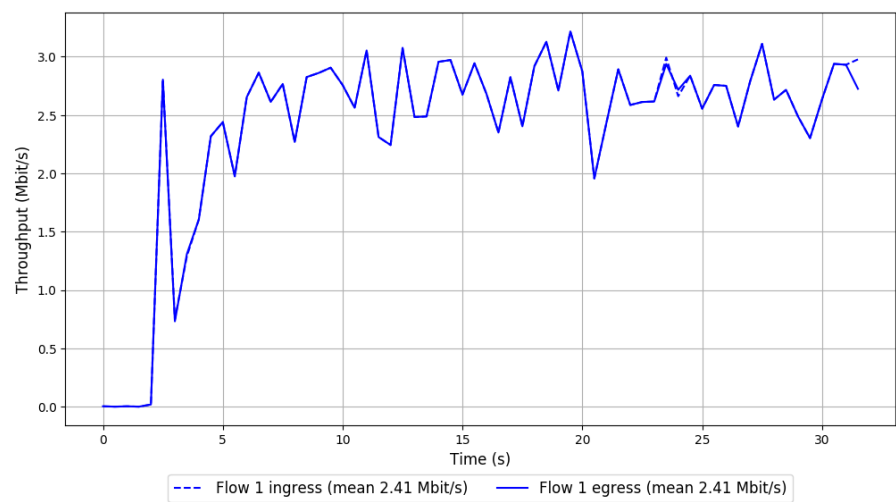


Run 6: Statistics of WebRTC media

Start at: 2018-01-01 23:33:51
End at: 2018-01-01 23:34:21
Local clock offset: 0.365 ms
Remote clock offset: -1.043 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.16%

Run 6: Report of WebRTC media — Data Link

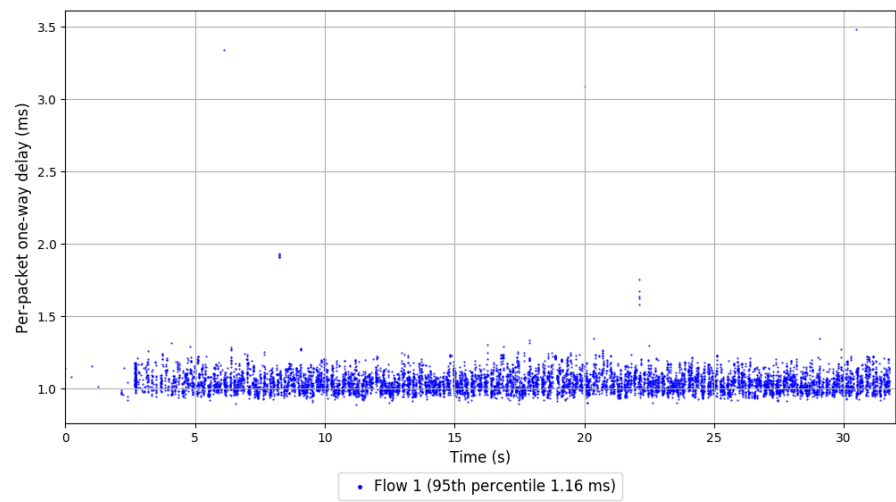
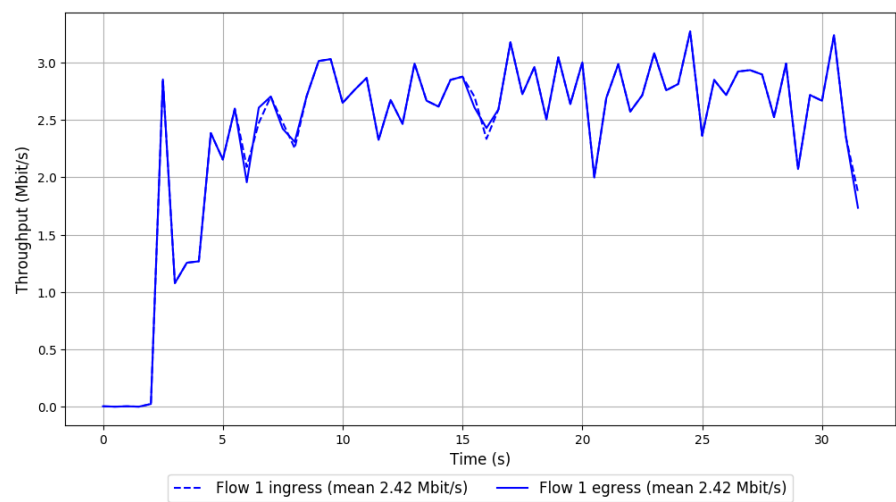


Run 7: Statistics of WebRTC media

Start at: 2018-01-01 23:54:27
End at: 2018-01-01 23:54:57
Local clock offset: 0.462 ms
Remote clock offset: -0.808 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.09%

Run 7: Report of WebRTC media — Data Link

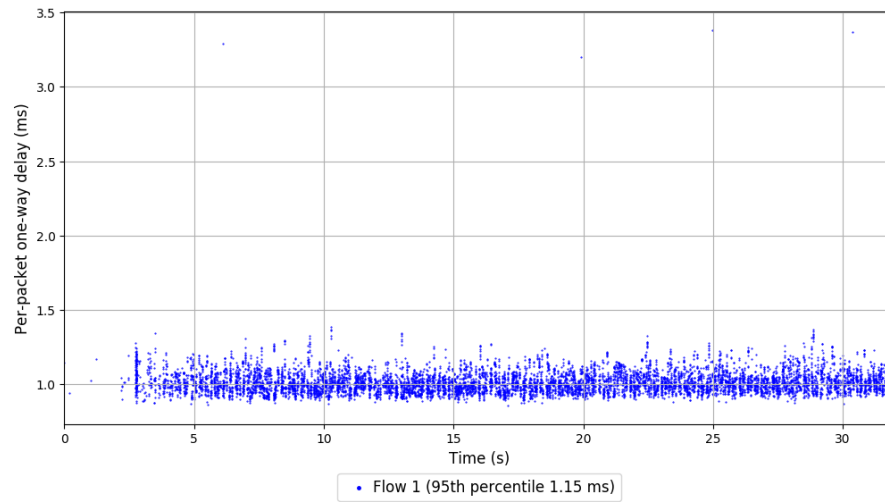
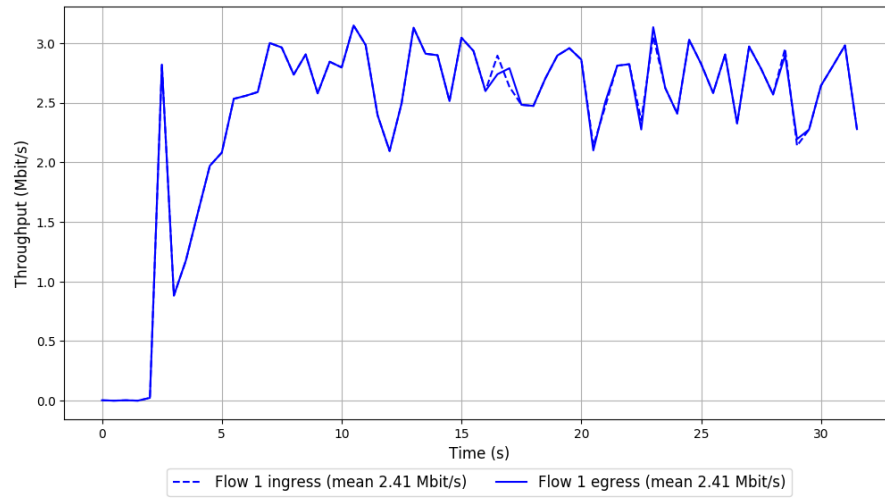


Run 8: Statistics of WebRTC media

Start at: 2018-01-02 00:15:03
End at: 2018-01-02 00:15:34
Local clock offset: 0.544 ms
Remote clock offset: -0.619 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

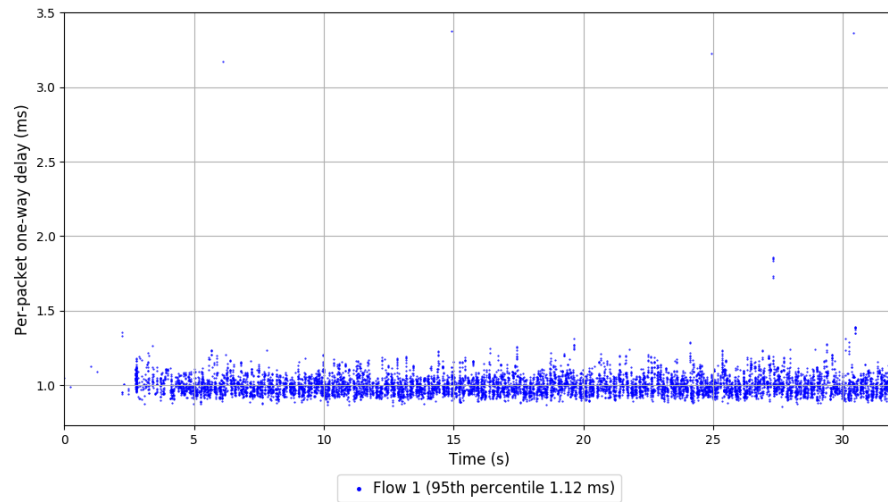
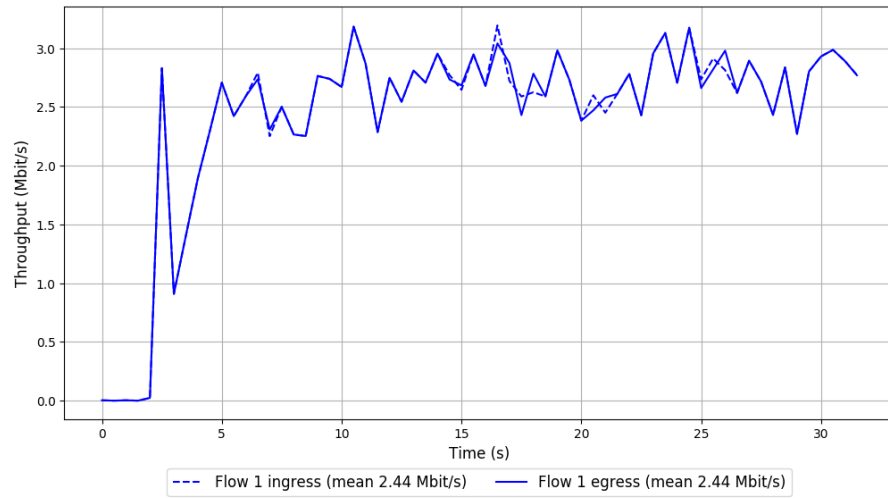


Run 9: Statistics of WebRTC media

Start at: 2018-01-02 00:35:51
End at: 2018-01-02 00:36:21
Local clock offset: 0.464 ms
Remote clock offset: -0.851 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

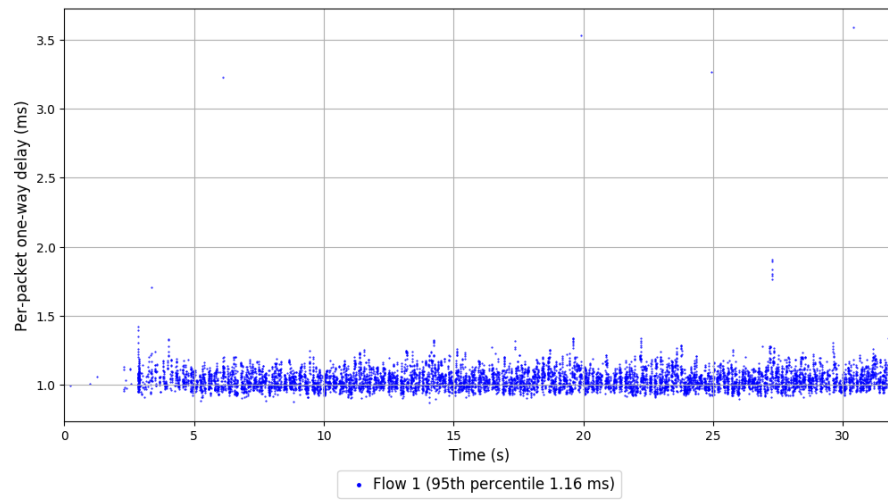
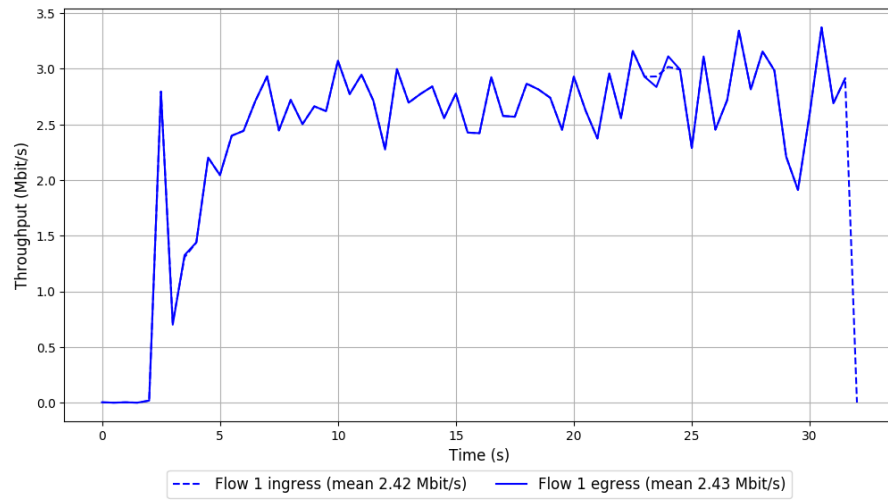


Run 10: Statistics of WebRTC media

Start at: 2018-01-02 00:56:08
End at: 2018-01-02 00:56:38
Local clock offset: -0.169 ms
Remote clock offset: -0.847 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

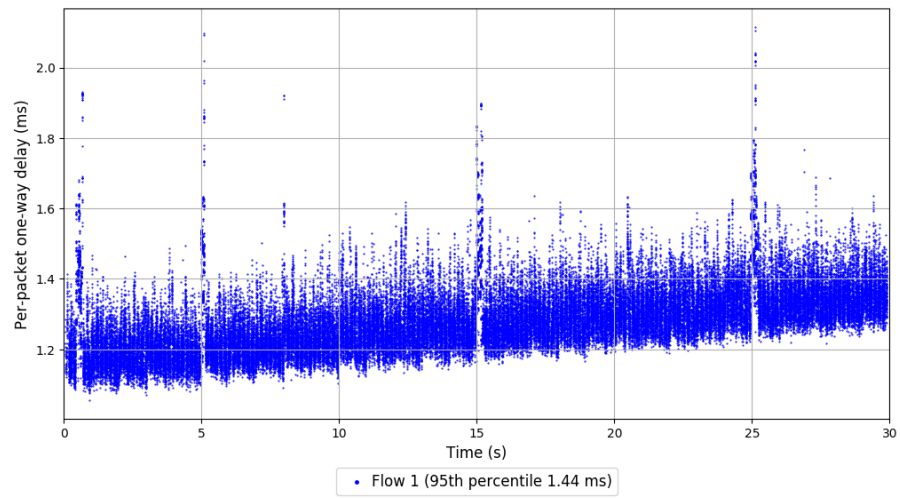
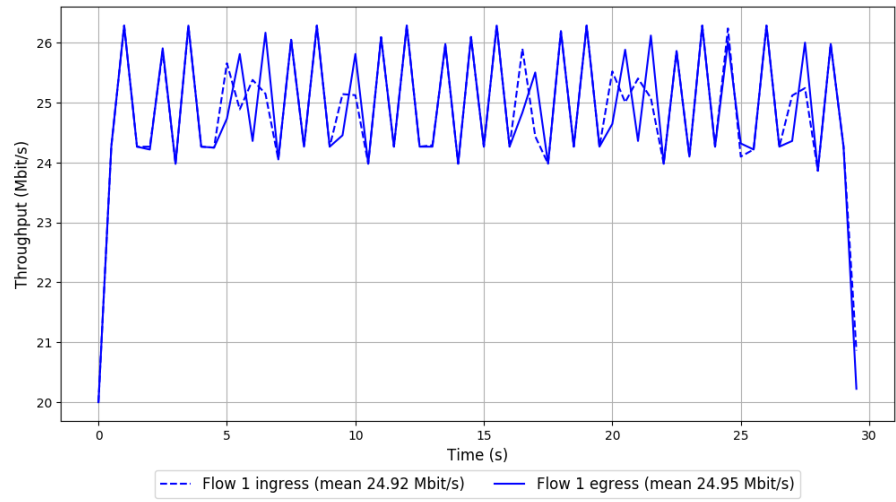


Run 1: Statistics of Sprout

Start at: 2018-01-01 21:35:19
End at: 2018-01-01 21:35:49
Local clock offset: -1.541 ms
Remote clock offset: -1.981 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.442 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.442 ms
Loss rate: 0.04%

Run 1: Report of Sprout — Data Link

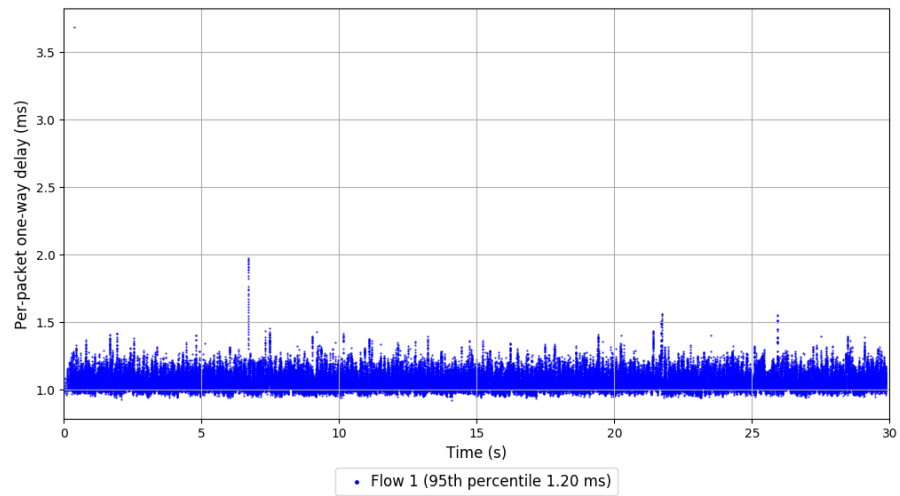
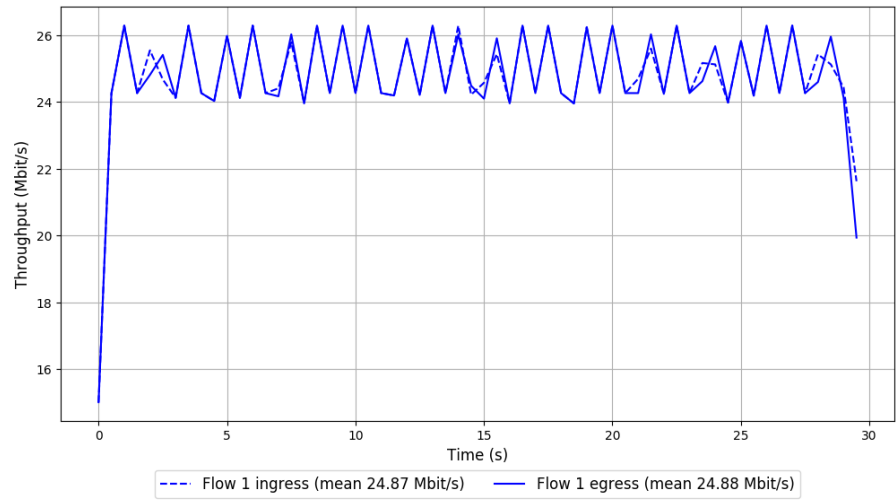


Run 2: Statistics of Sprout

Start at: 2018-01-01 21:55:48
End at: 2018-01-01 21:56:18
Local clock offset: -2.744 ms
Remote clock offset: -1.242 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.13%

Run 2: Report of Sprout — Data Link

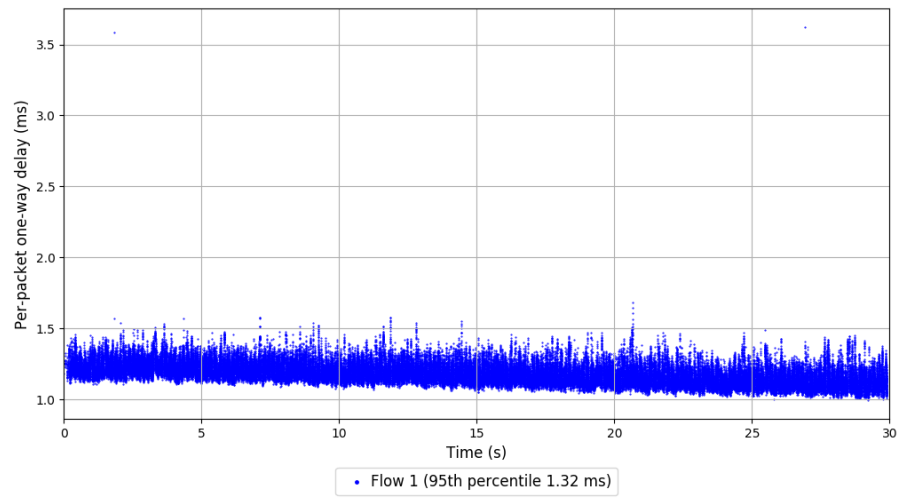
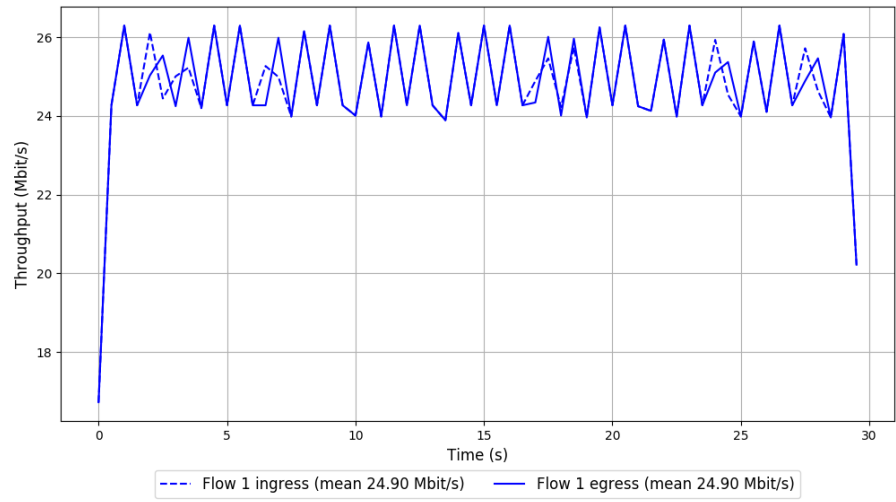


Run 3: Statistics of Sprout

Start at: 2018-01-01 22:16:22
End at: 2018-01-01 22:16:52
Local clock offset: -0.641 ms
Remote clock offset: -1.315 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

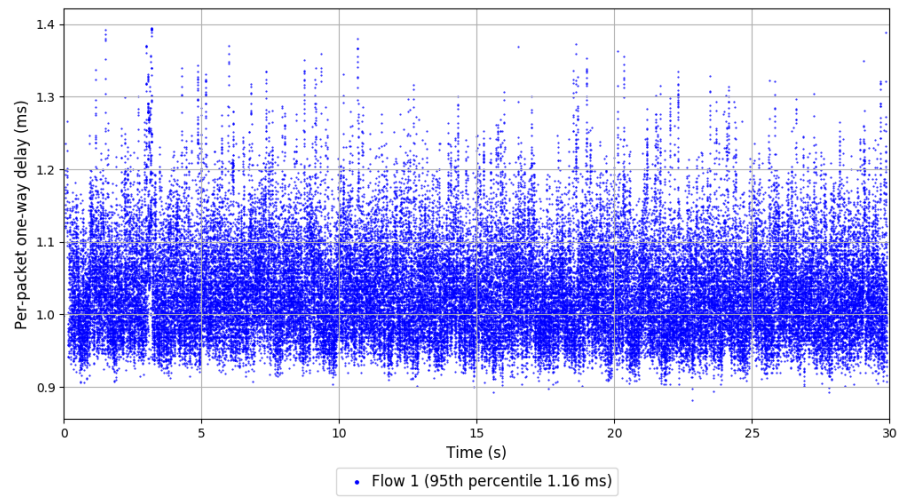
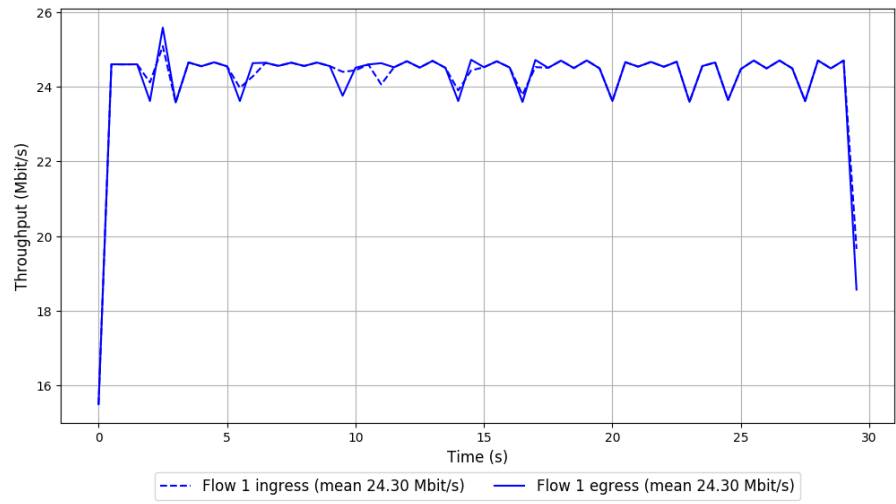


Run 4: Statistics of Sprout

Start at: 2018-01-01 22:37:13
End at: 2018-01-01 22:37:43
Local clock offset: 0.422 ms
Remote clock offset: -1.083 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.08%

Run 4: Report of Sprout — Data Link

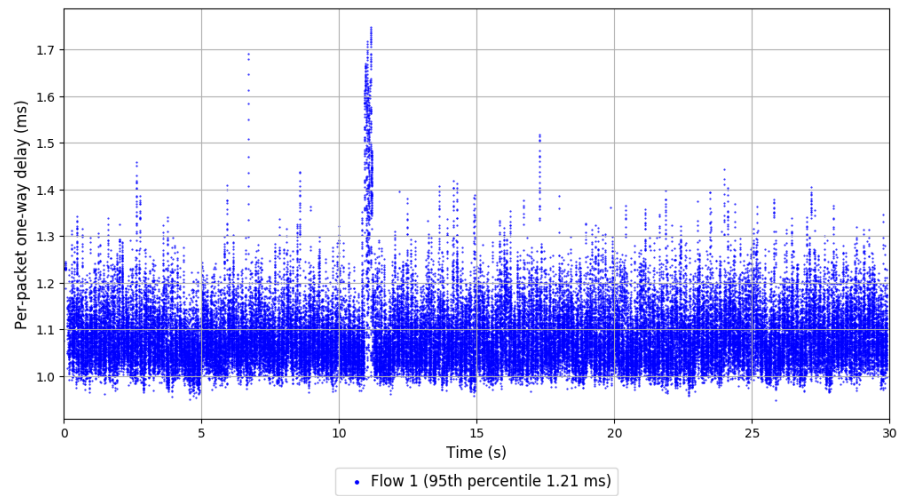
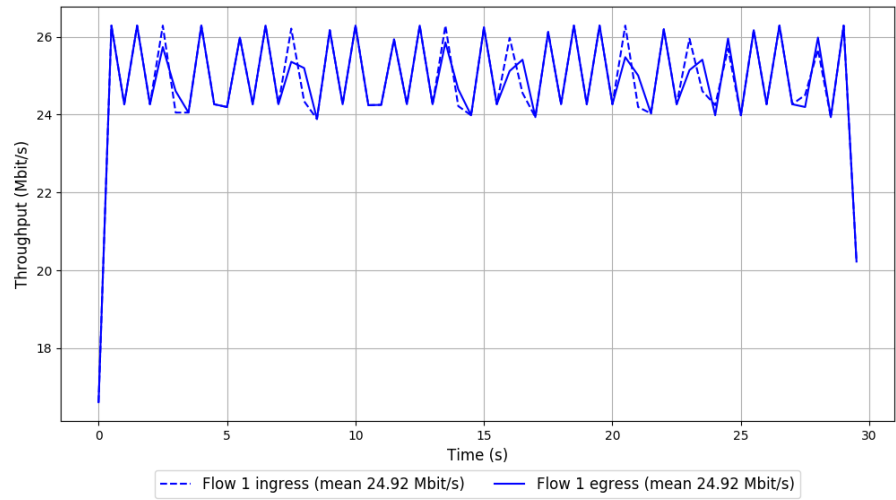


Run 5: Statistics of Sprout

Start at: 2018-01-01 22:58:05
End at: 2018-01-01 22:58:35
Local clock offset: 0.622 ms
Remote clock offset: -1.182 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

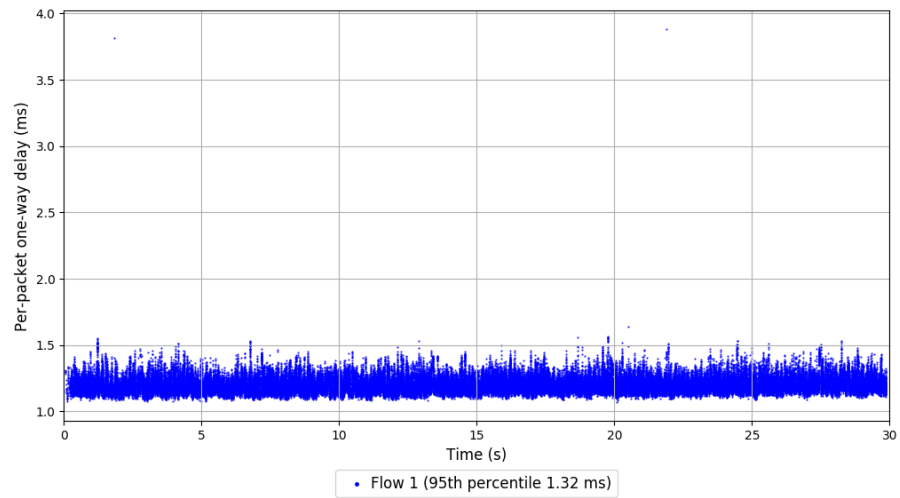
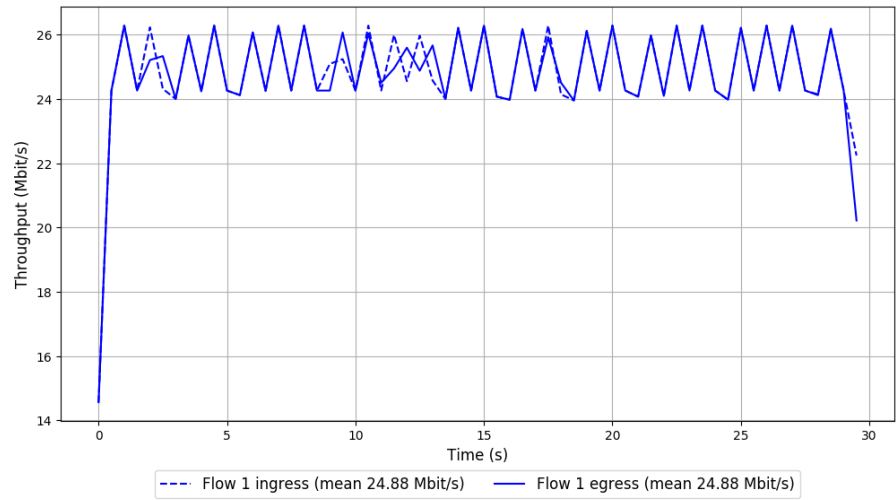


Run 6: Statistics of Sprout

Start at: 2018-01-01 23:18:40
End at: 2018-01-01 23:19:10
Local clock offset: 0.236 ms
Remote clock offset: -1.146 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.14%

Run 6: Report of Sprout — Data Link

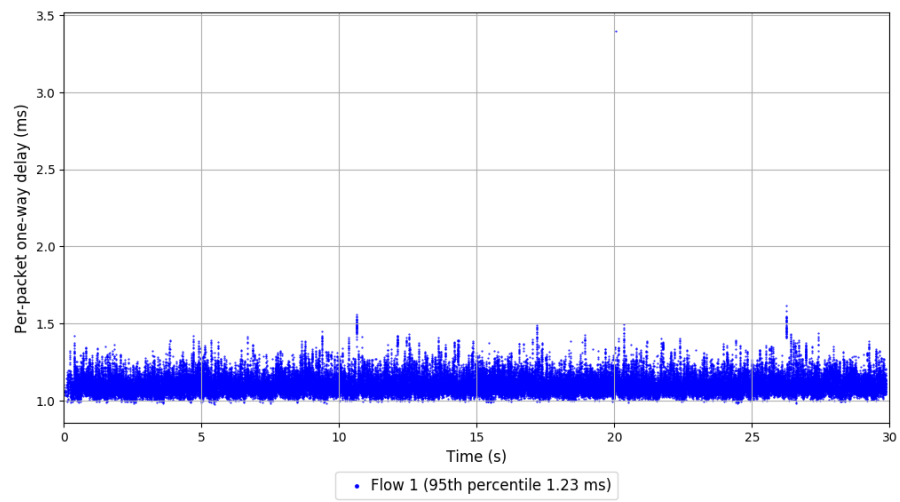
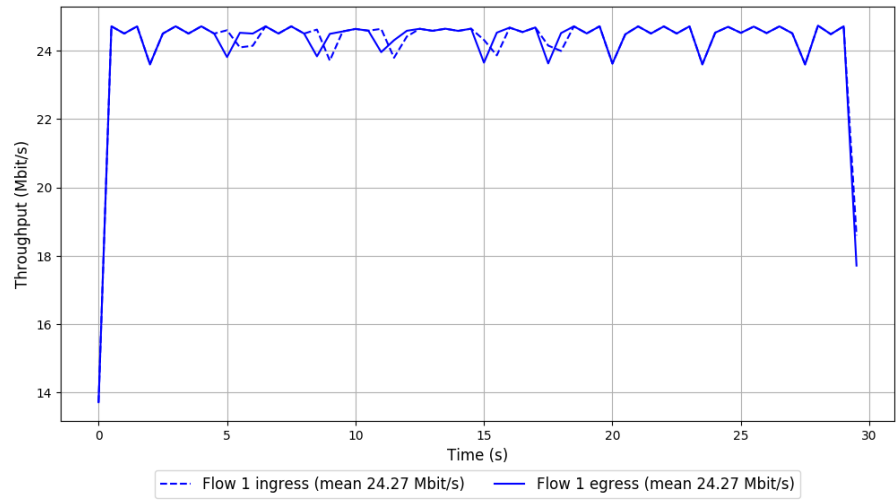


Run 7: Statistics of Sprout

Start at: 2018-01-01 23:39:14
End at: 2018-01-01 23:39:44
Local clock offset: 0.344 ms
Remote clock offset: -0.966 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.06%

Run 7: Report of Sprout — Data Link

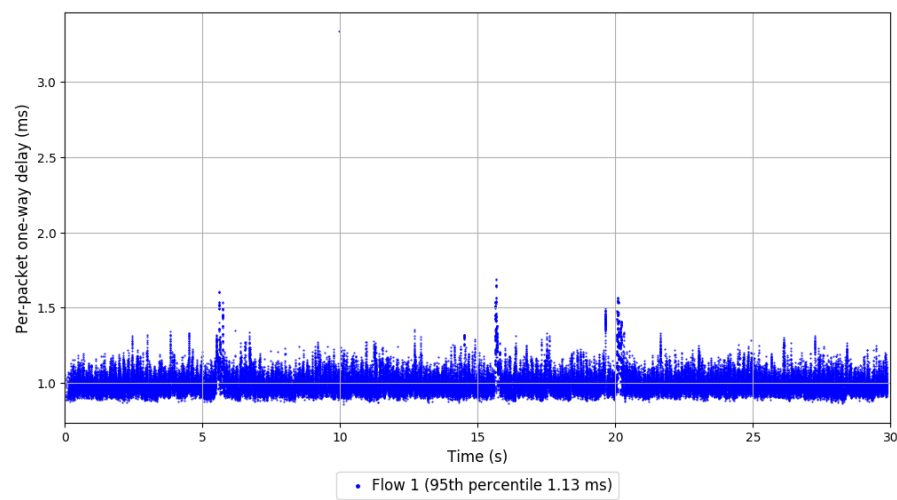
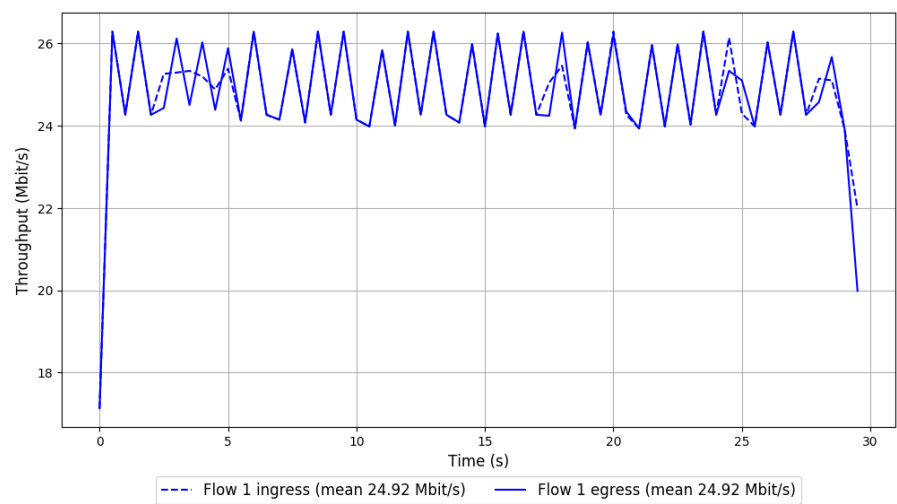


Run 8: Statistics of Sprout

Start at: 2018-01-01 23:59:53
End at: 2018-01-02 00:00:23
Local clock offset: 0.579 ms
Remote clock offset: -0.629 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.13%

Run 8: Report of Sprout — Data Link

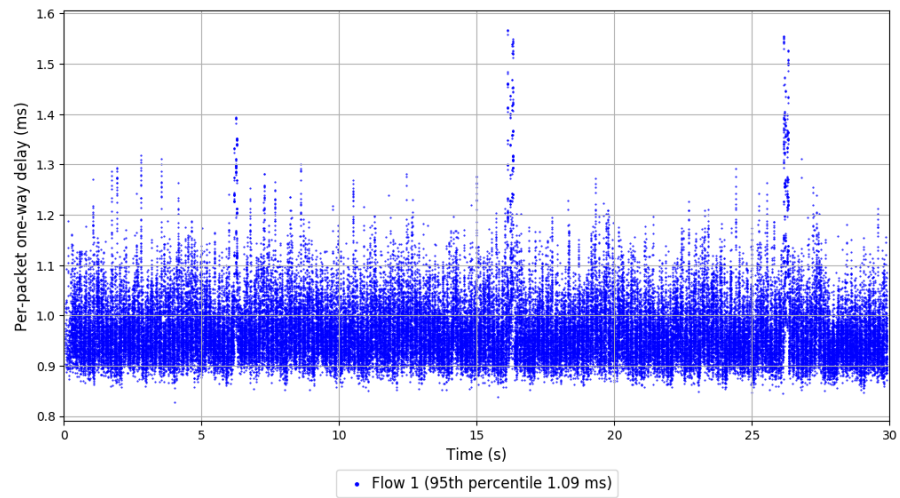
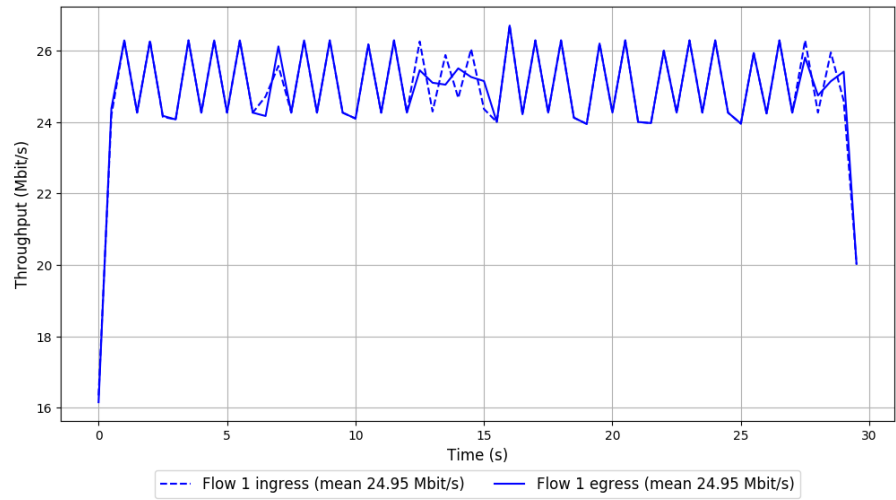


Run 9: Statistics of Sprout

Start at: 2018-01-02 00:20:33
End at: 2018-01-02 00:21:03
Local clock offset: 0.467 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

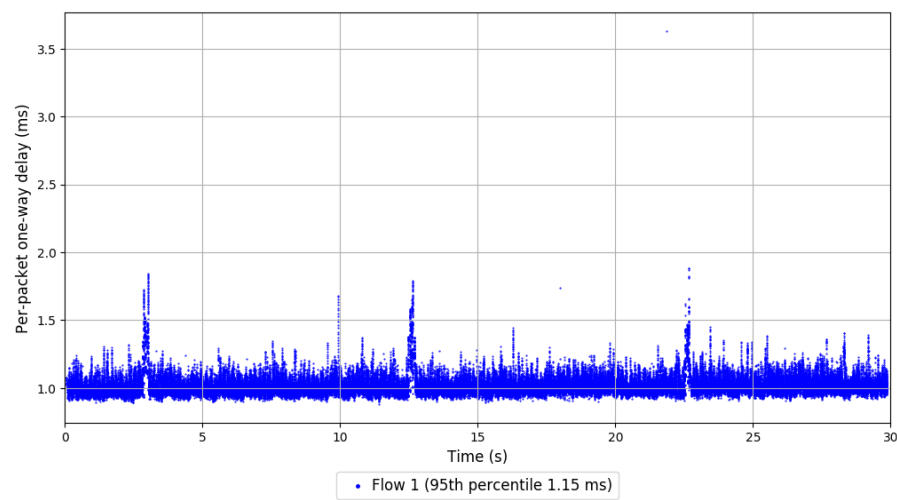
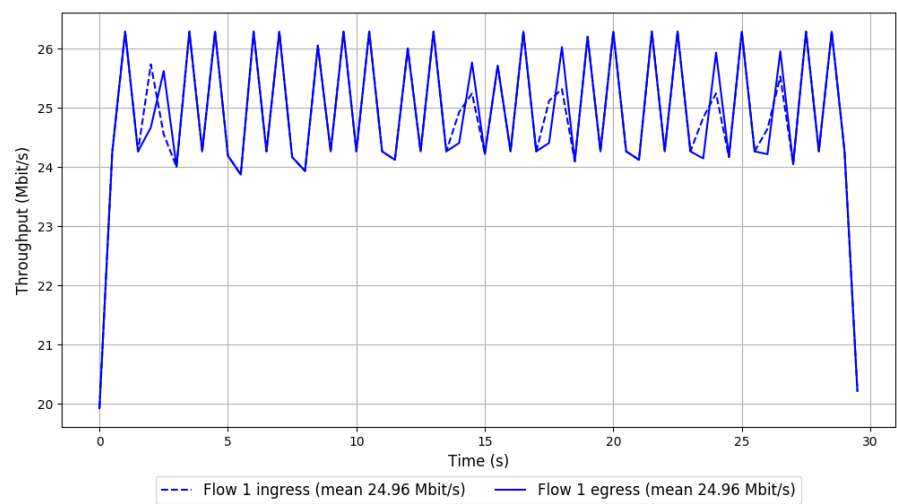


Run 10: Statistics of Sprout

Start at: 2018-01-02 00:41:16
End at: 2018-01-02 00:41:46
Local clock offset: 0.424 ms
Remote clock offset: -0.904 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

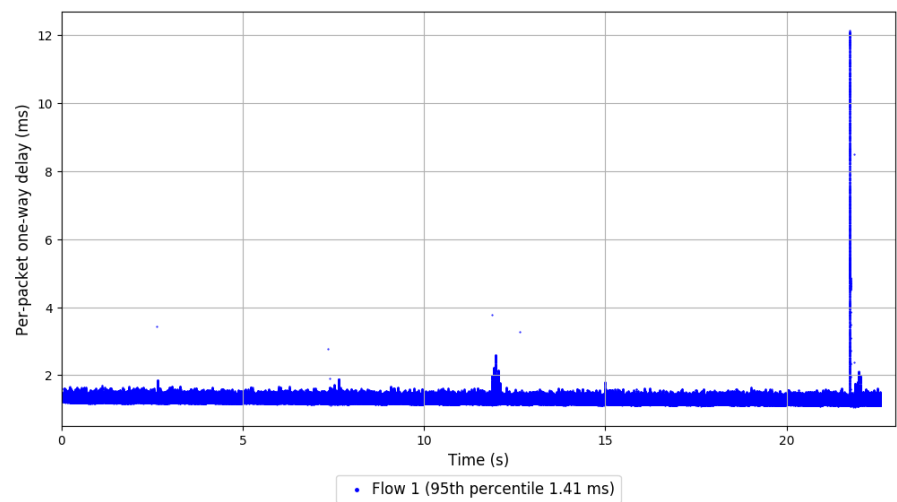
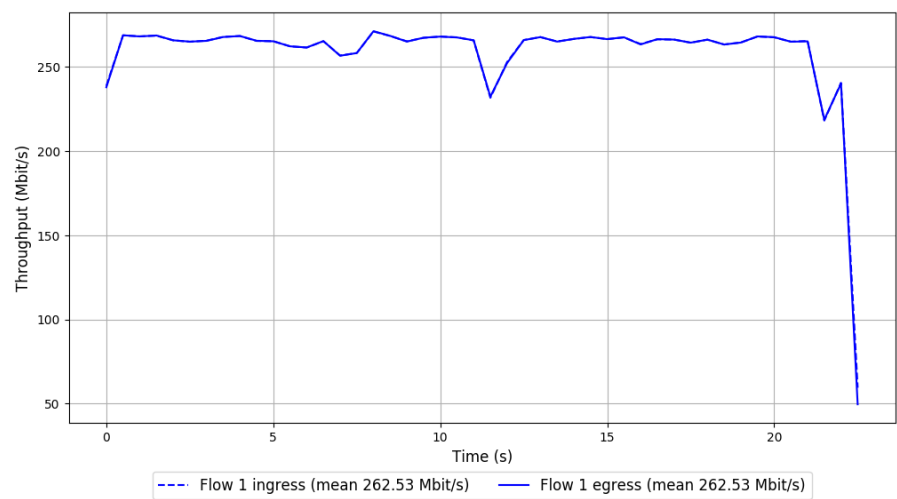
Start at: 2018-01-01 21:40:20

End at: 2018-01-01 21:40:50

Local clock offset: -3.554 ms

Remote clock offset: -1.867 ms

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



Run 2: Statistics of TaoVA-100x

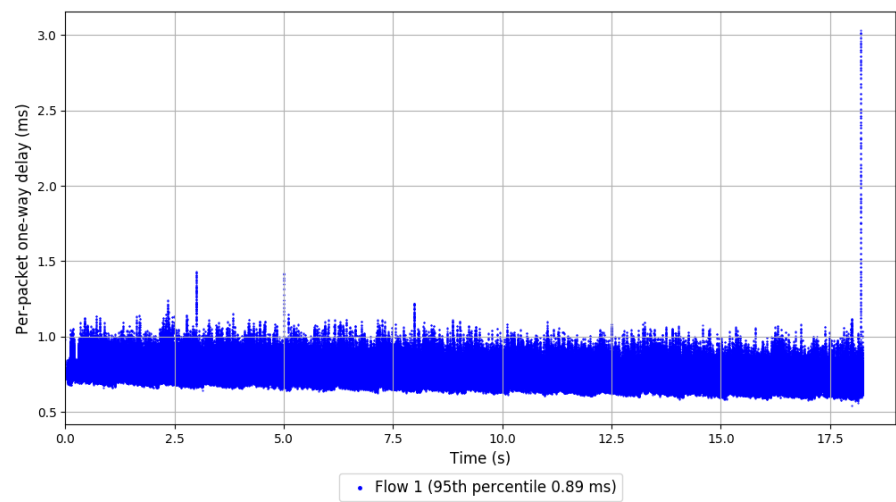
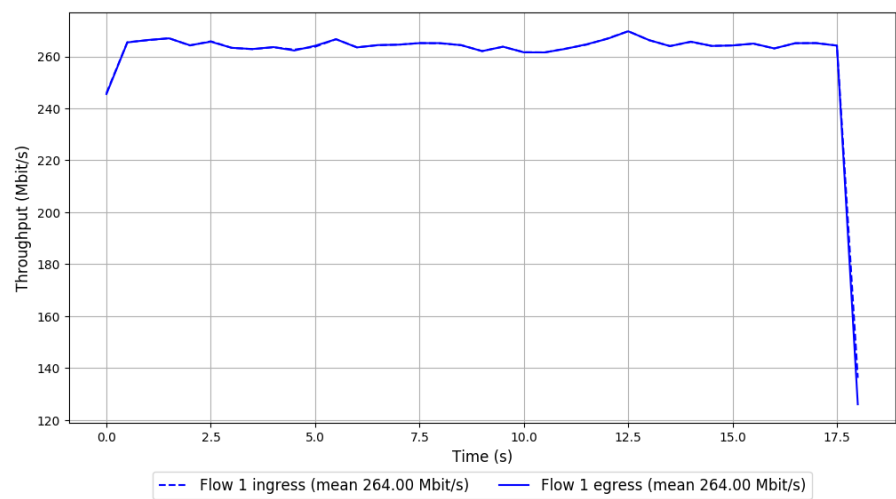
Start at: 2018-01-01 22:00:52

End at: 2018-01-01 22:01:22

Local clock offset: -2.619 ms

Remote clock offset: -1.184 ms

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

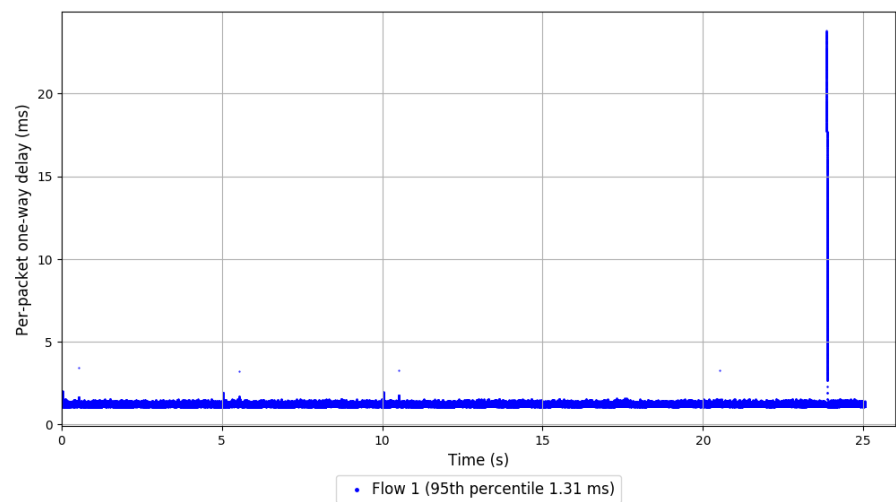
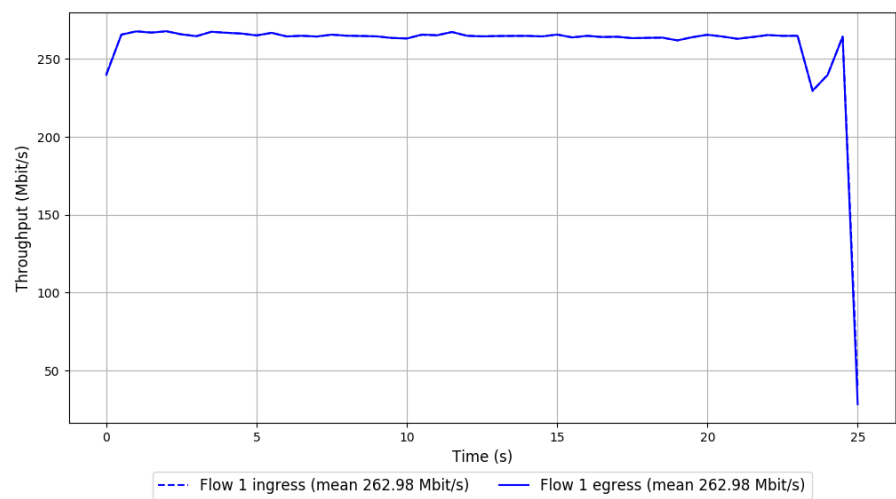


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-01 22:21:27
End at: 2018-01-01 22:21:57
Local clock offset: -0.176 ms
Remote clock offset: -1.299 ms

Below is generated by plot.py at 2018-01-02 05:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.98 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 262.98 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.08%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-01 22:42:22

End at: 2018-01-01 22:42:52

Local clock offset: 0.437 ms

Remote clock offset: -1.058 ms

Below is generated by plot.py at 2018-01-02 05:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.47 Mbit/s

95th percentile per-packet one-way delay: 1.272 ms

Loss rate: 0.07%

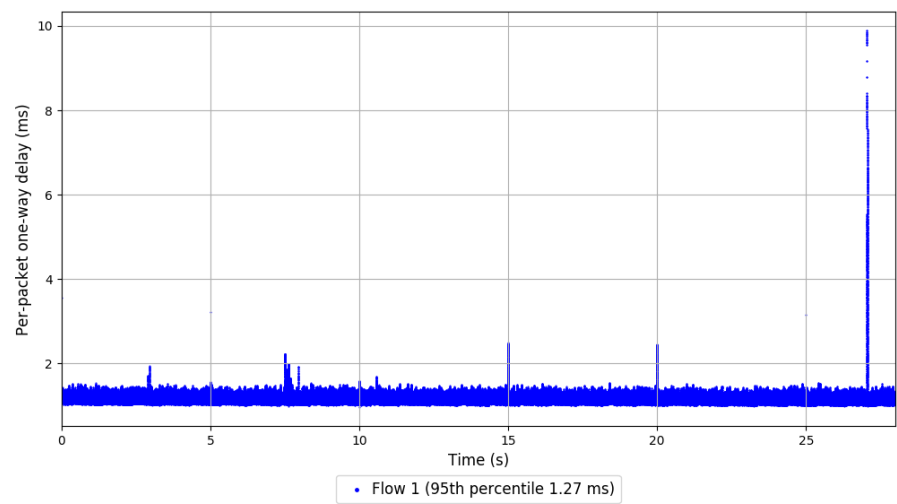
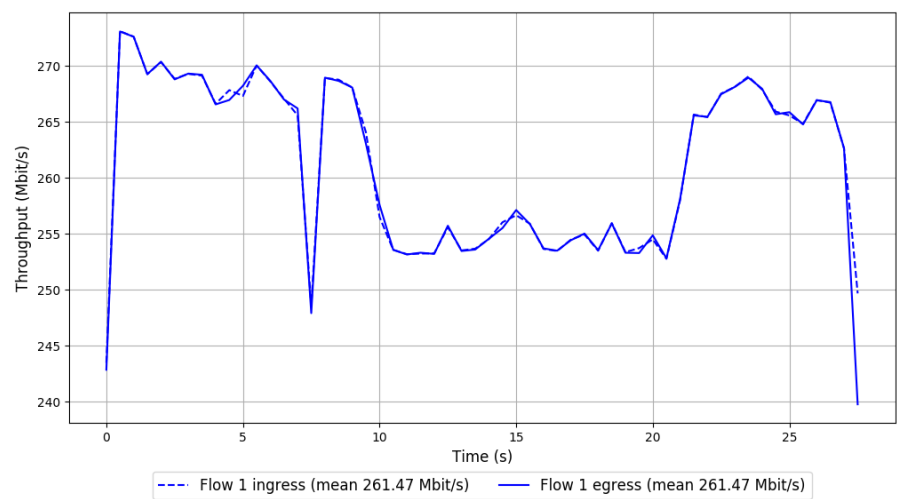
-- Flow 1:

Average throughput: 261.47 Mbit/s

95th percentile per-packet one-way delay: 1.272 ms

Loss rate: 0.07%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-01 23:03:07

End at: 2018-01-01 23:03:37

Local clock offset: 0.644 ms

Remote clock offset: -1.202 ms

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

Figure is missing

Figure is missing

Run 6: Statistics of TaoVA-100x

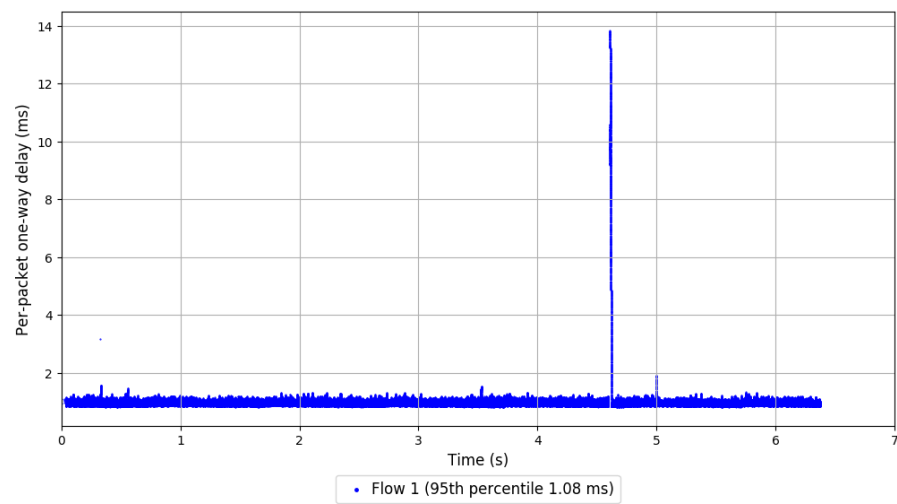
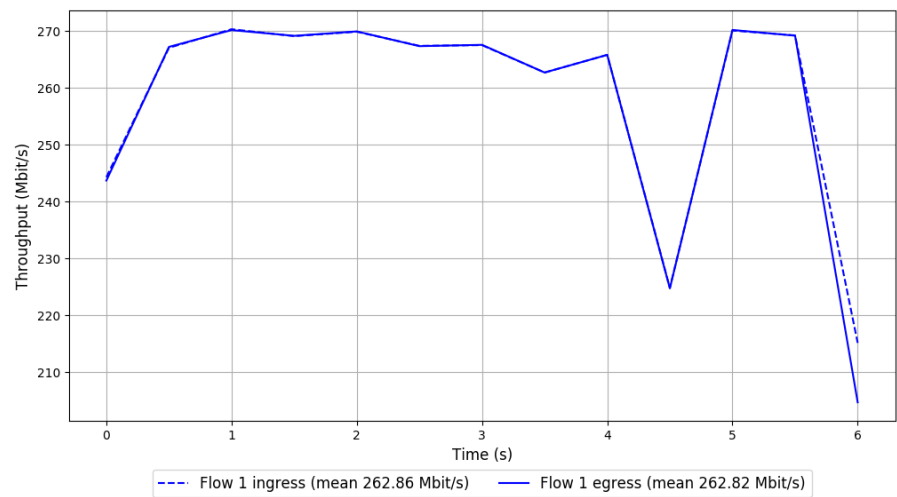
Start at: 2018-01-01 23:23:47

End at: 2018-01-01 23:24:17

Local clock offset: 0.057 ms

Remote clock offset: -1.012 ms

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



Run 7: Statistics of TaoVA-100x

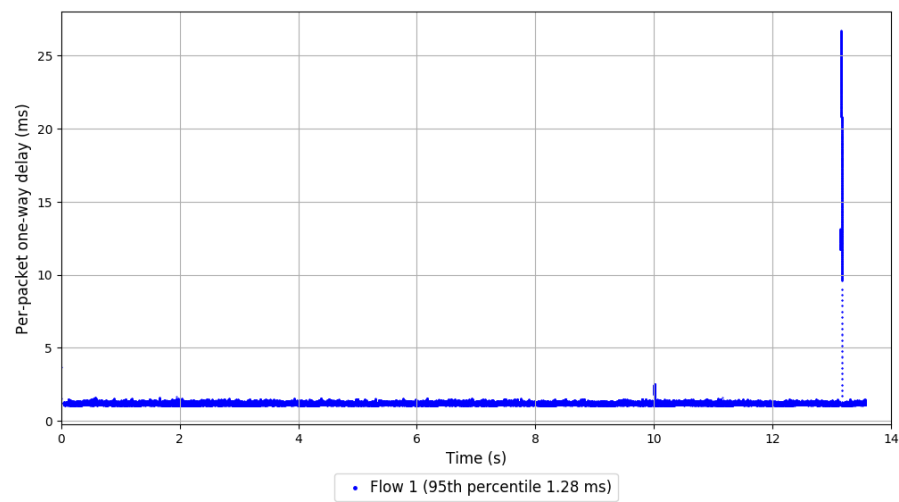
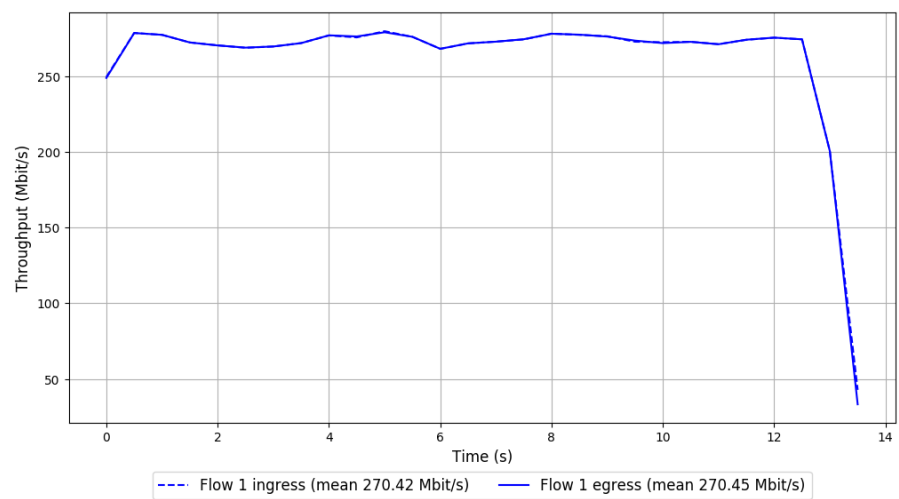
Start at: 2018-01-01 23:44:13

End at: 2018-01-01 23:44:43

Local clock offset: 0.354 ms

Remote clock offset: -0.934 ms

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-02 00:04:59

End at: 2018-01-02 00:05:29

Local clock offset: 0.587 ms

Remote clock offset: -0.62 ms

Below is generated by plot.py at 2018-01-02 05:25:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.74 Mbit/s

95th percentile per-packet one-way delay: 1.107 ms

Loss rate: 0.07%

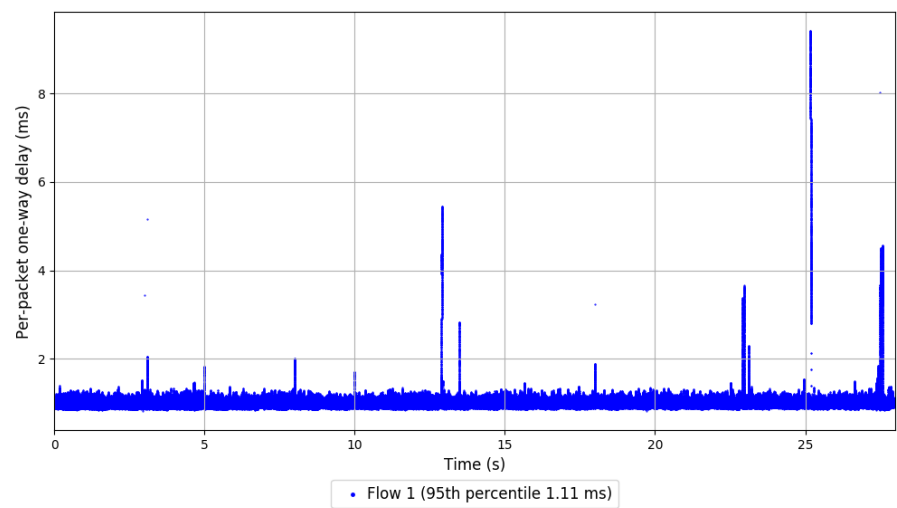
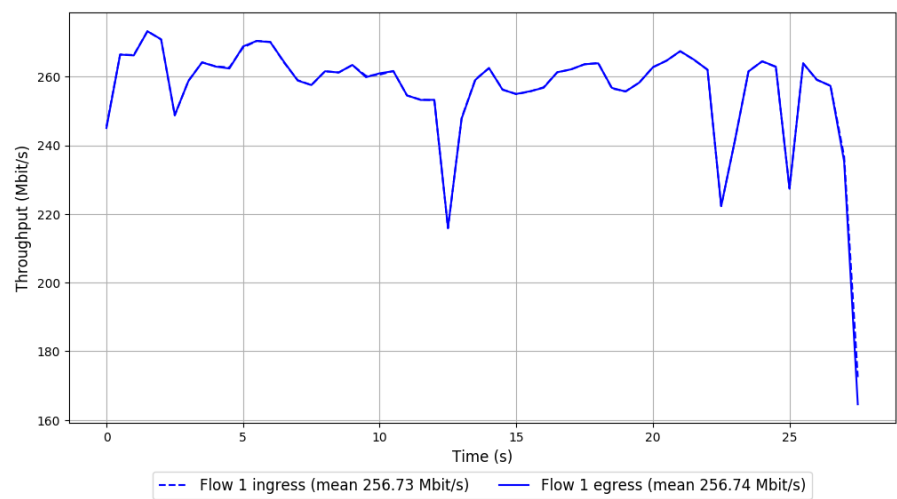
-- Flow 1:

Average throughput: 256.74 Mbit/s

95th percentile per-packet one-way delay: 1.107 ms

Loss rate: 0.07%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-02 00:25:36

End at: 2018-01-02 00:26:06

Local clock offset: 0.464 ms

Remote clock offset: -0.66 ms

Below is generated by plot.py at 2018-01-02 05:27:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.36 Mbit/s

95th percentile per-packet one-way delay: 1.102 ms

Loss rate: 0.07%

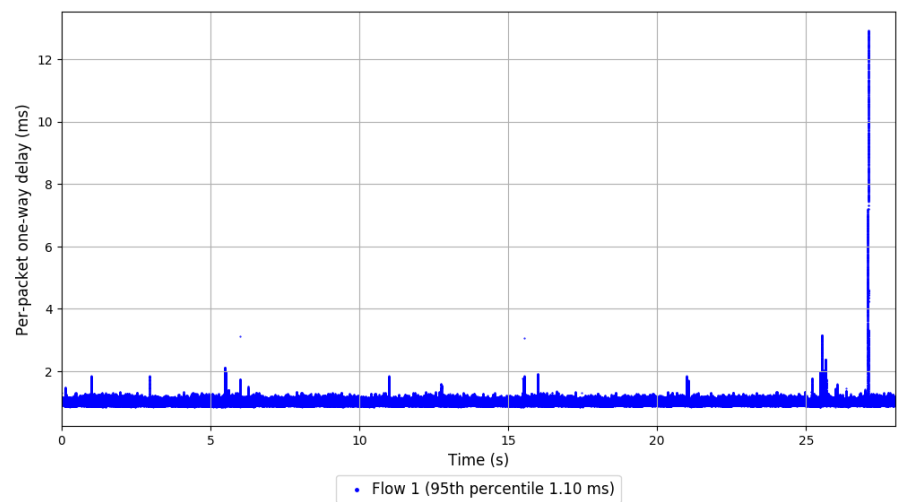
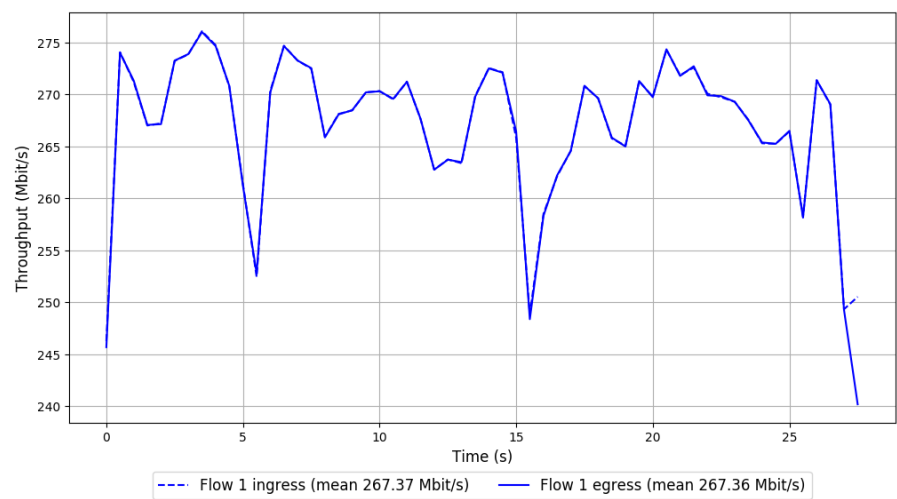
-- Flow 1:

Average throughput: 267.36 Mbit/s

95th percentile per-packet one-way delay: 1.102 ms

Loss rate: 0.07%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-02 00:46:17

End at: 2018-01-02 00:46:47

Local clock offset: 0.15 ms

Remote clock offset: -0.876 ms

Below is generated by plot.py at 2018-01-02 05:28:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.89 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.07%

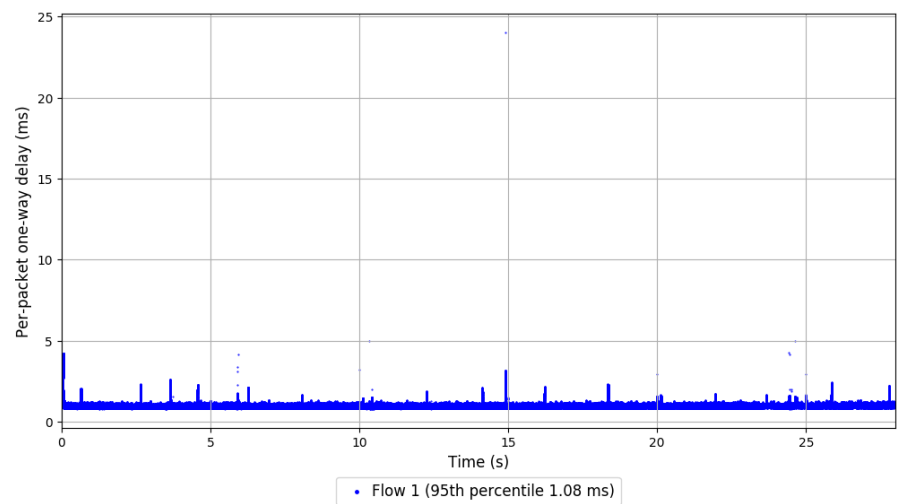
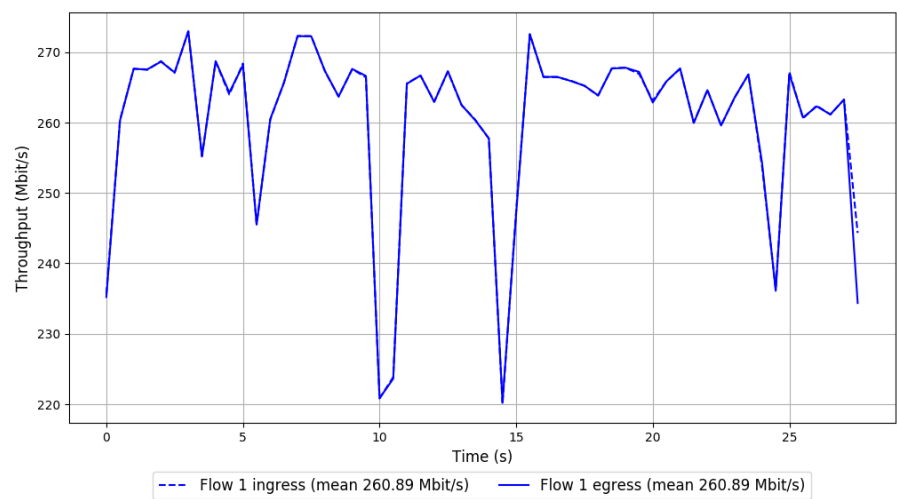
-- Flow 1:

Average throughput: 260.89 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.07%

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

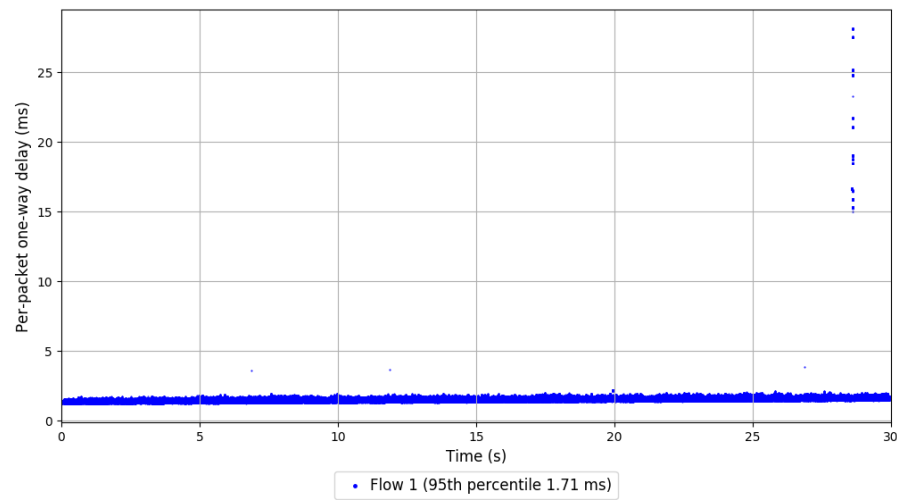
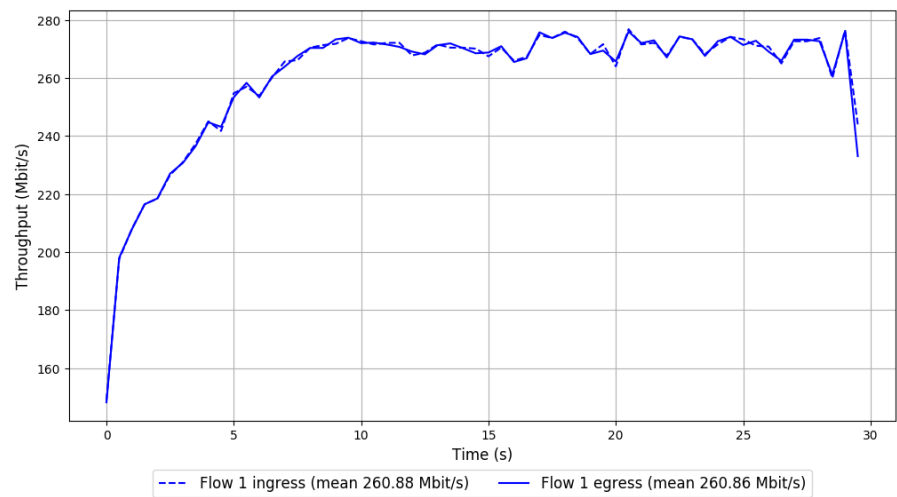


Run 1: Statistics of TCP Vegas

Start at: 2018-01-01 21:37:46
End at: 2018-01-01 21:38:16
Local clock offset: -2.391 ms
Remote clock offset: -1.936 ms

Below is generated by plot.py at 2018-01-02 05:28:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 260.86 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 260.86 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.07%

Run 1: Report of TCP Vegas — Data Link

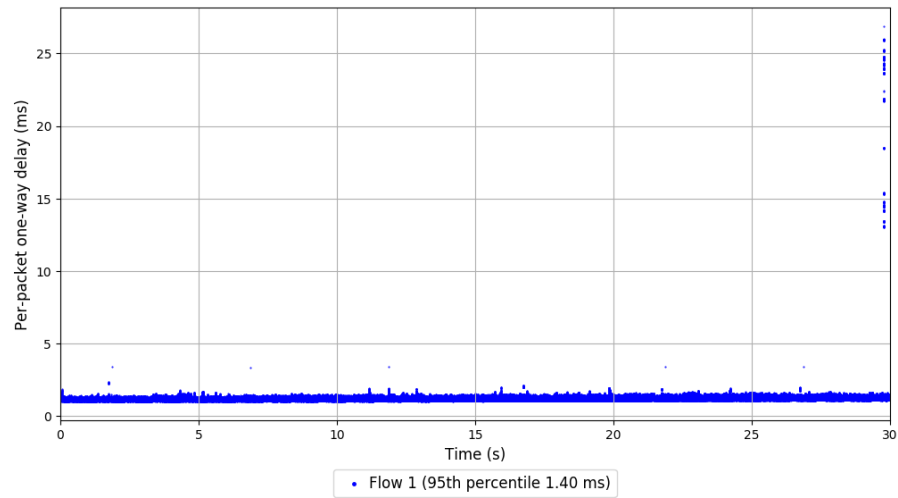
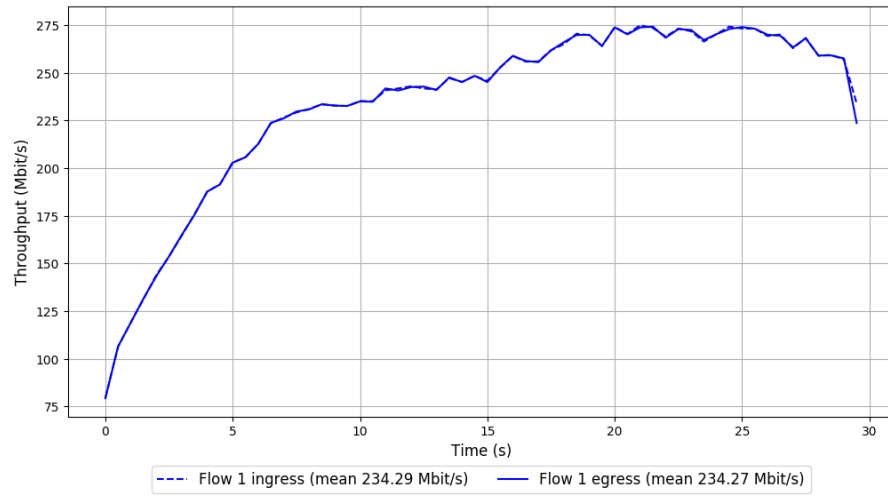


Run 2: Statistics of TCP Vegas

Start at: 2018-01-01 21:58:19
End at: 2018-01-01 21:58:49
Local clock offset: -2.895 ms
Remote clock offset: -1.217 ms

Below is generated by plot.py at 2018-01-02 05:28:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.27 Mbit/s
95th percentile per-packet one-way delay: 1.396 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 234.27 Mbit/s
95th percentile per-packet one-way delay: 1.396 ms
Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link

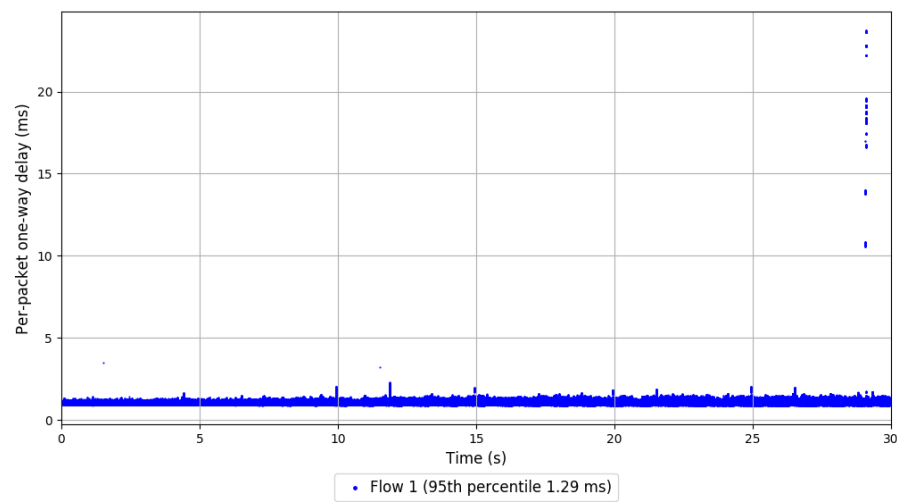
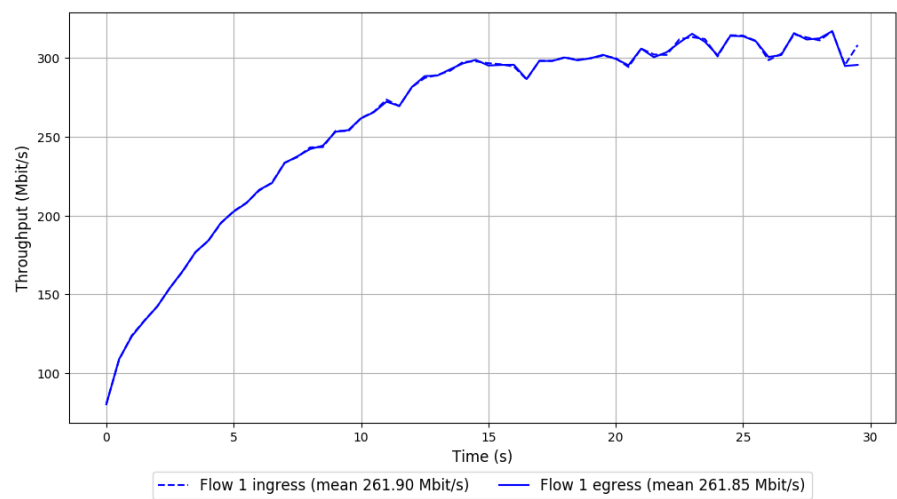


Run 3: Statistics of TCP Vegas

Start at: 2018-01-01 22:18:53
End at: 2018-01-01 22:19:23
Local clock offset: -0.404 ms
Remote clock offset: -1.34 ms

Below is generated by plot.py at 2018-01-02 05:28:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.85 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 261.85 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.08%

Run 3: Report of TCP Vegas — Data Link

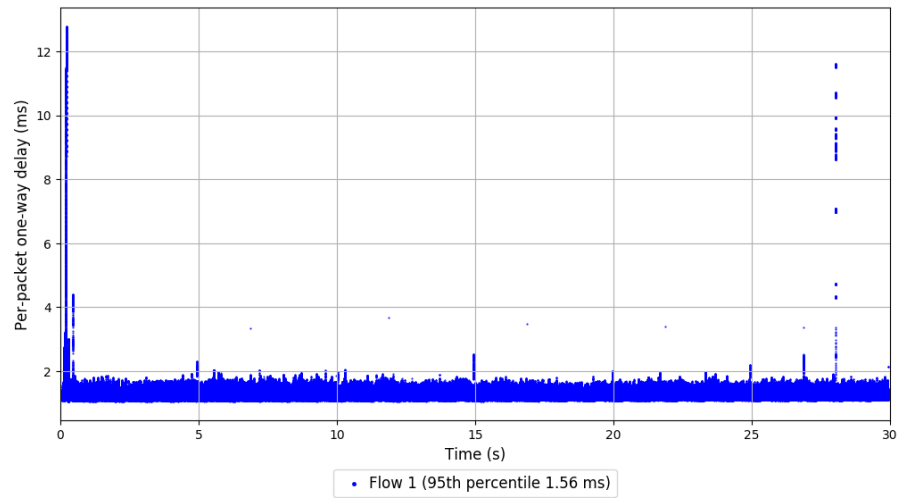
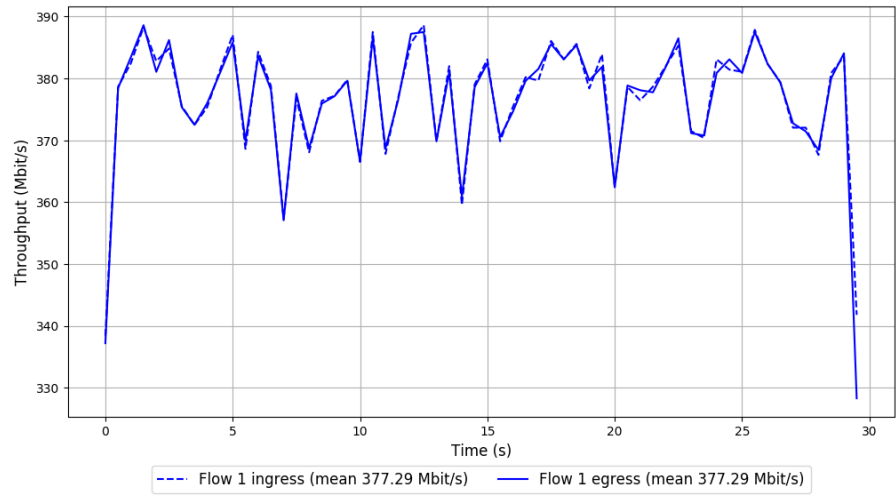


Run 4: Statistics of TCP Vegas

Start at: 2018-01-01 22:39:44
End at: 2018-01-01 22:40:14
Local clock offset: 0.53 ms
Remote clock offset: -1.114 ms

Below is generated by plot.py at 2018-01-02 05:29:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.29 Mbit/s
95th percentile per-packet one-way delay: 1.564 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 377.29 Mbit/s
95th percentile per-packet one-way delay: 1.564 ms
Loss rate: 0.06%

Run 4: Report of TCP Vegas — Data Link

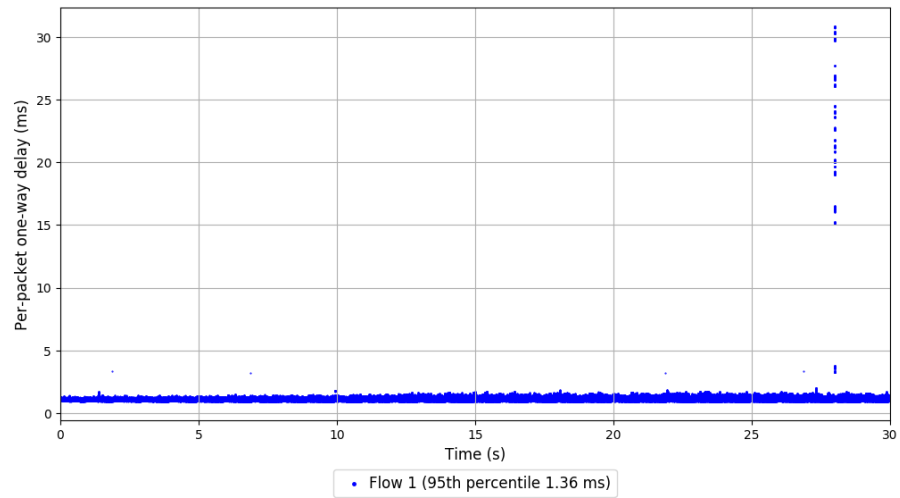
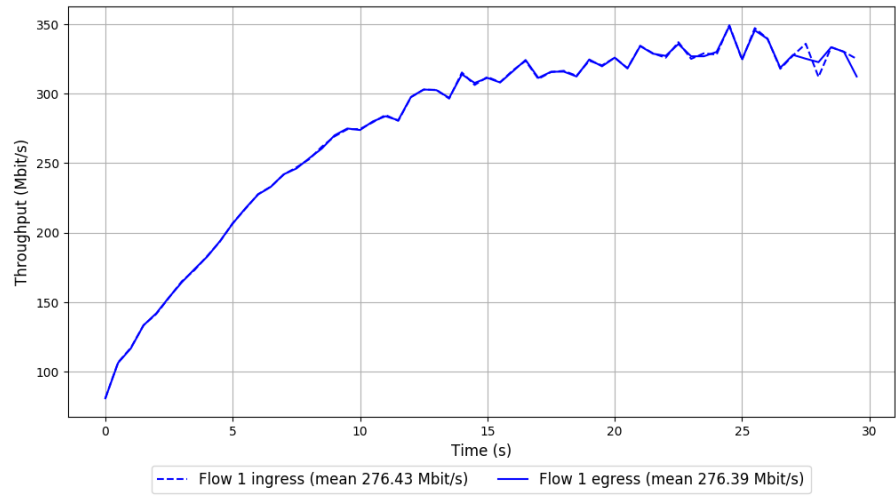


Run 5: Statistics of TCP Vegas

Start at: 2018-01-01 23:00:32
End at: 2018-01-01 23:01:02
Local clock offset: 0.708 ms
Remote clock offset: -1.125 ms

Below is generated by plot.py at 2018-01-02 05:29:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 276.39 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 276.39 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 0.08%

Run 5: Report of TCP Vegas — Data Link

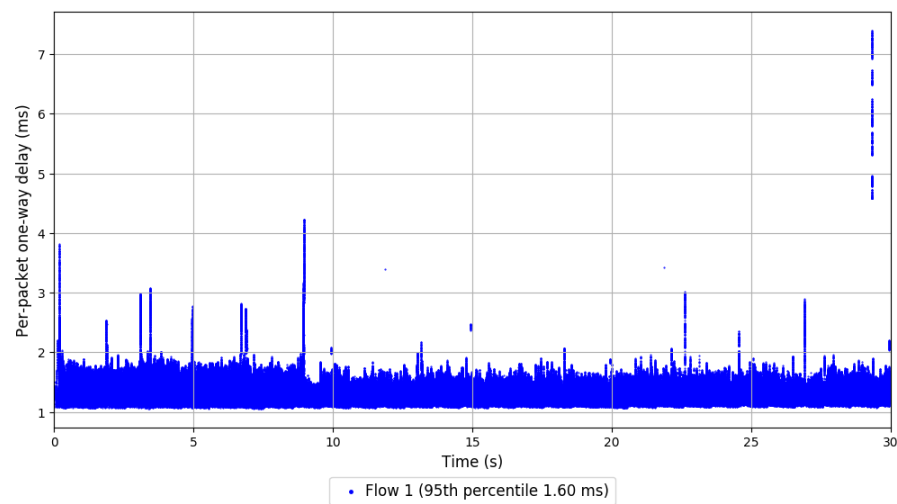
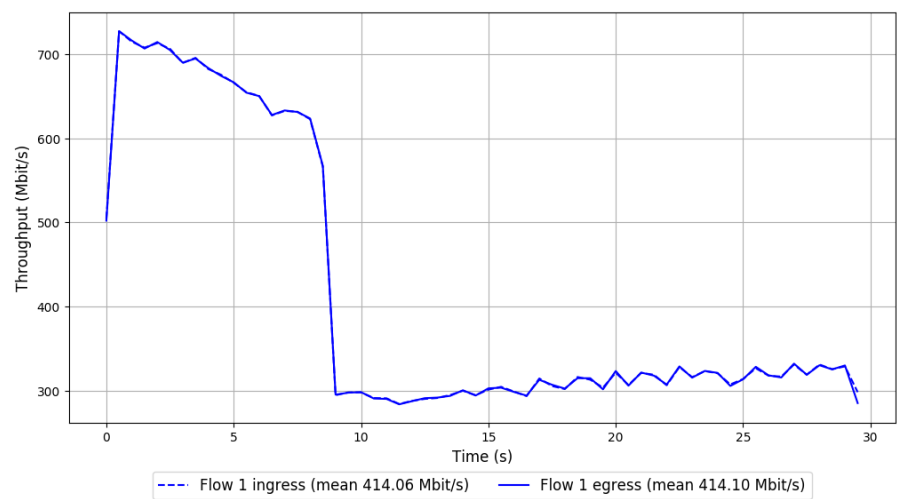


Run 6: Statistics of TCP Vegas

Start at: 2018-01-01 23:21:07
End at: 2018-01-01 23:21:37
Local clock offset: 0.167 ms
Remote clock offset: -1.108 ms

Below is generated by plot.py at 2018-01-02 05:31:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 414.10 Mbit/s
95th percentile per-packet one-way delay: 1.597 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 414.10 Mbit/s
95th percentile per-packet one-way delay: 1.597 ms
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link

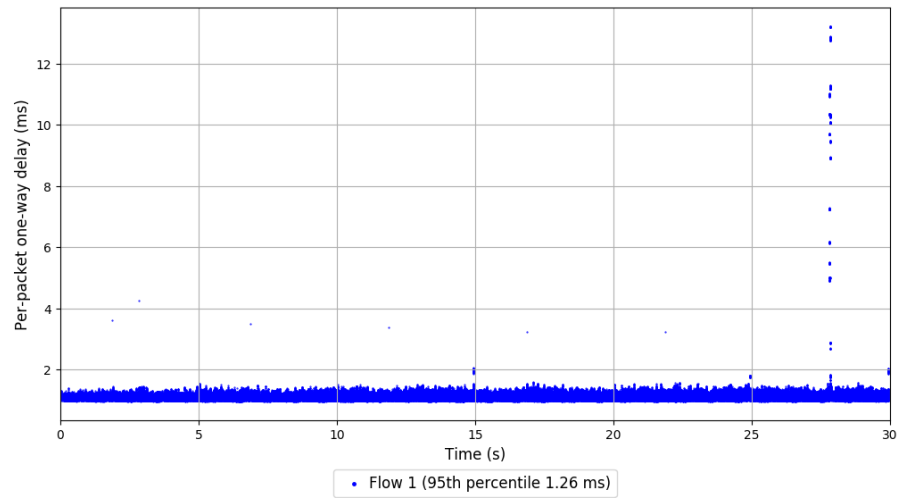
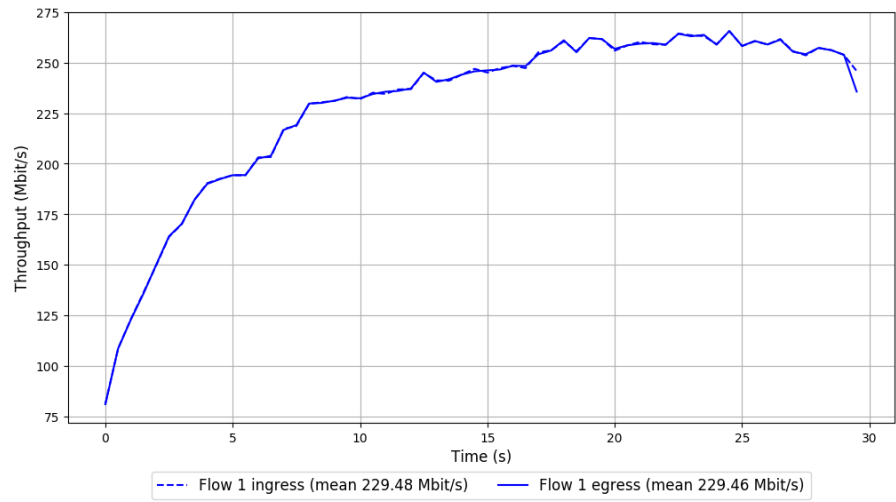


Run 7: Statistics of TCP Vegas

Start at: 2018-01-01 23:41:41
End at: 2018-01-01 23:42:11
Local clock offset: 0.393 ms
Remote clock offset: -0.87 ms

Below is generated by plot.py at 2018-01-02 05:31:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.46 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 229.46 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.08%

Run 7: Report of TCP Vegas — Data Link

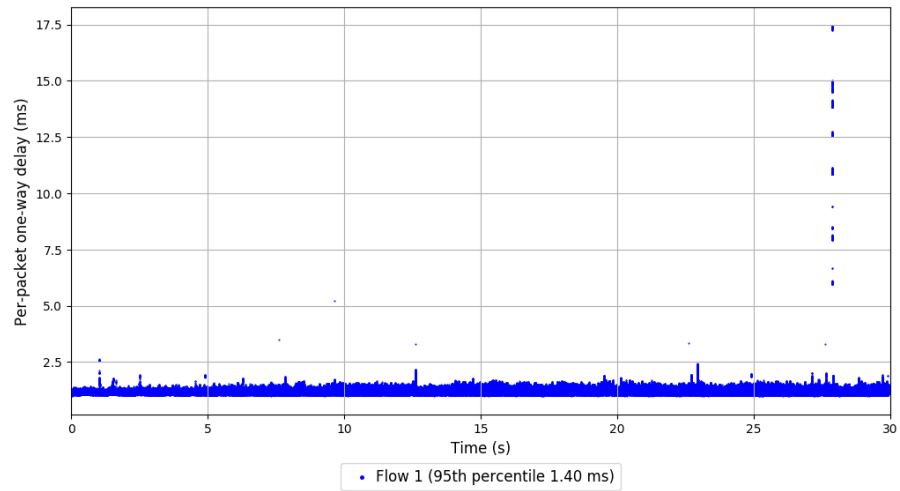
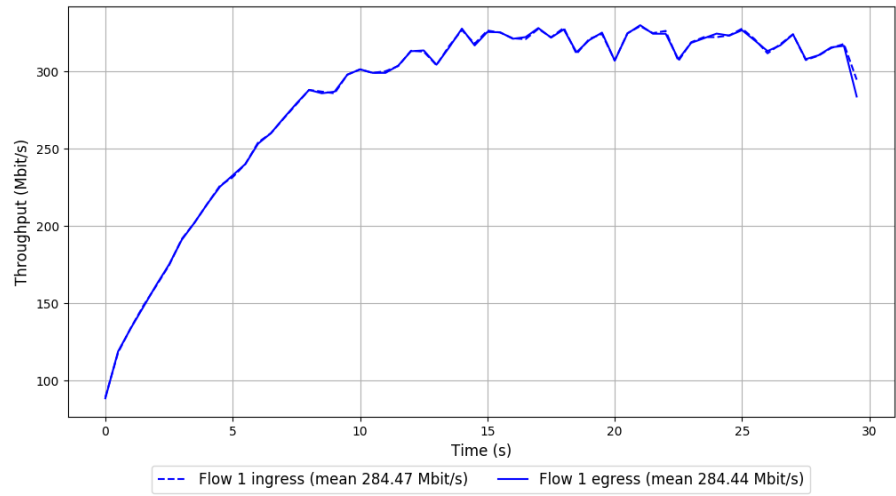


Run 8: Statistics of TCP Vegas

Start at: 2018-01-02 00:02:24
End at: 2018-01-02 00:02:54
Local clock offset: 0.674 ms
Remote clock offset: -0.665 ms

Below is generated by plot.py at 2018-01-02 05:31:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.44 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 284.44 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.07%

Run 8: Report of TCP Vegas — Data Link

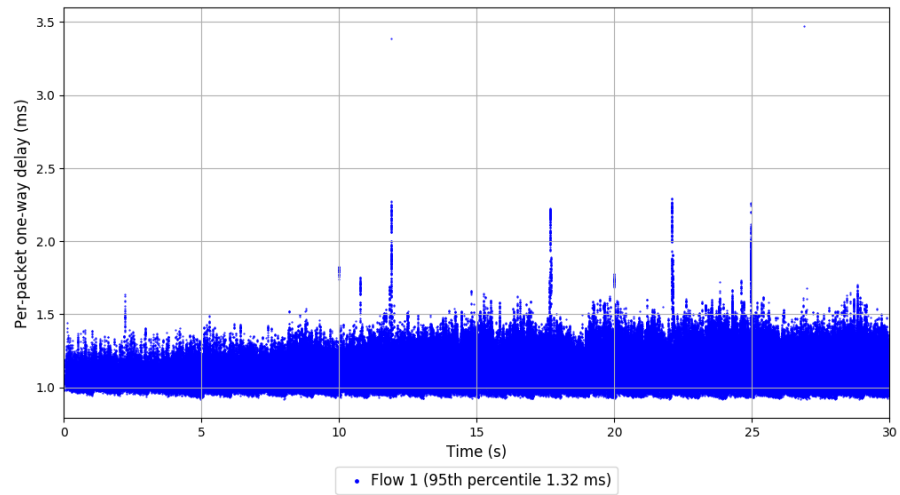
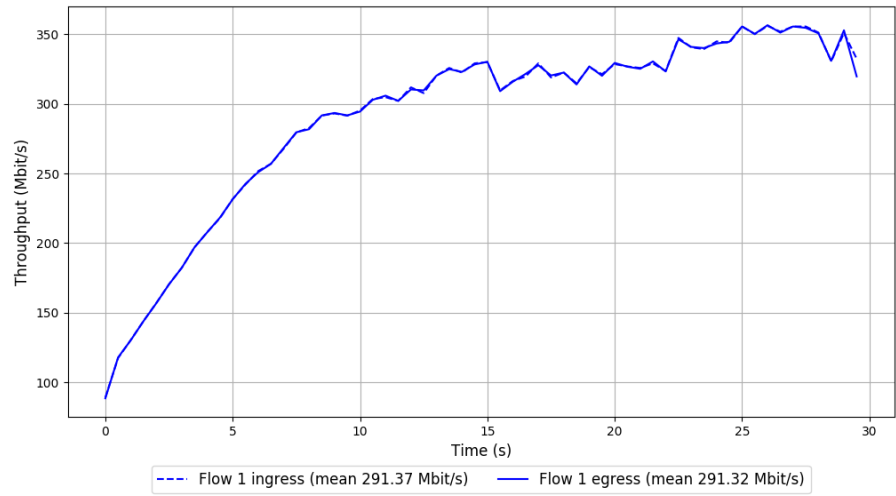


Run 9: Statistics of TCP Vegas

Start at: 2018-01-02 00:23:02
End at: 2018-01-02 00:23:32
Local clock offset: 0.46 ms
Remote clock offset: -0.672 ms

Below is generated by plot.py at 2018-01-02 05:31:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.32 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 291.32 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.07%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-02 00:43:44

End at: 2018-01-02 00:44:14

Local clock offset: 0.393 ms

Remote clock offset: -0.972 ms

Below is generated by plot.py at 2018-01-02 05:31:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.21 Mbit/s

95th percentile per-packet one-way delay: 1.389 ms

Loss rate: 0.08%

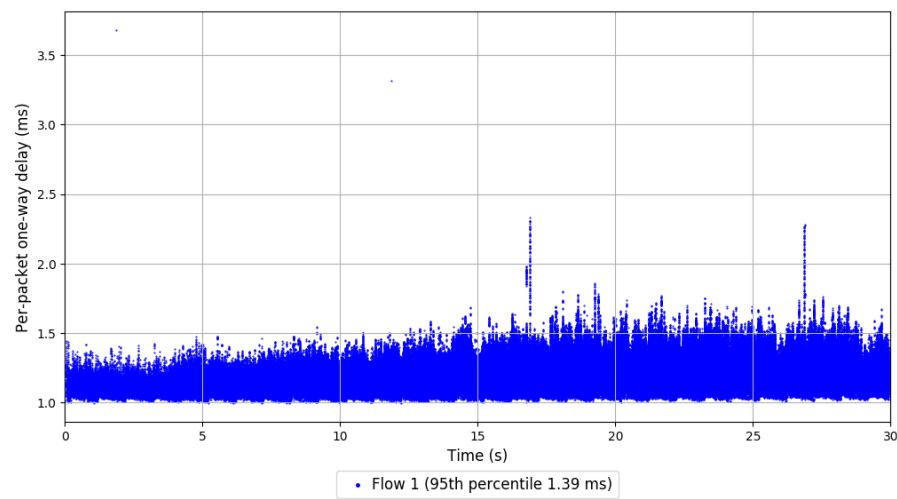
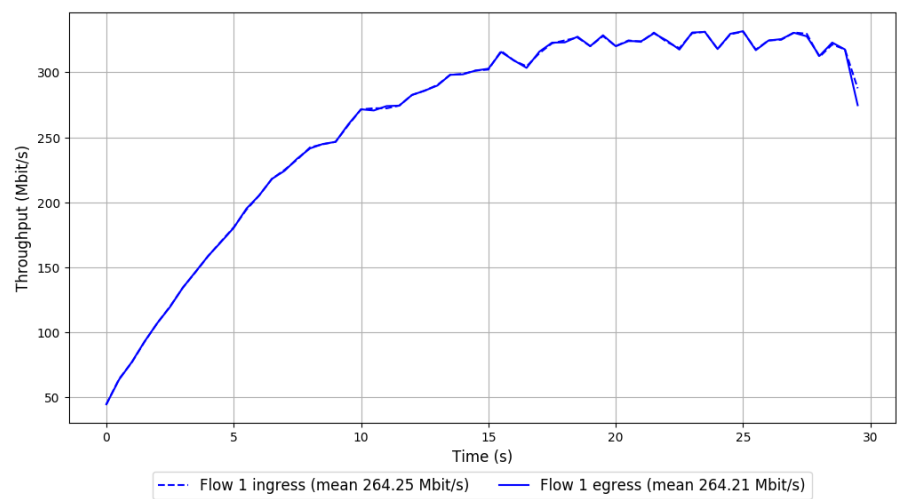
-- Flow 1:

Average throughput: 264.21 Mbit/s

95th percentile per-packet one-way delay: 1.389 ms

Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link

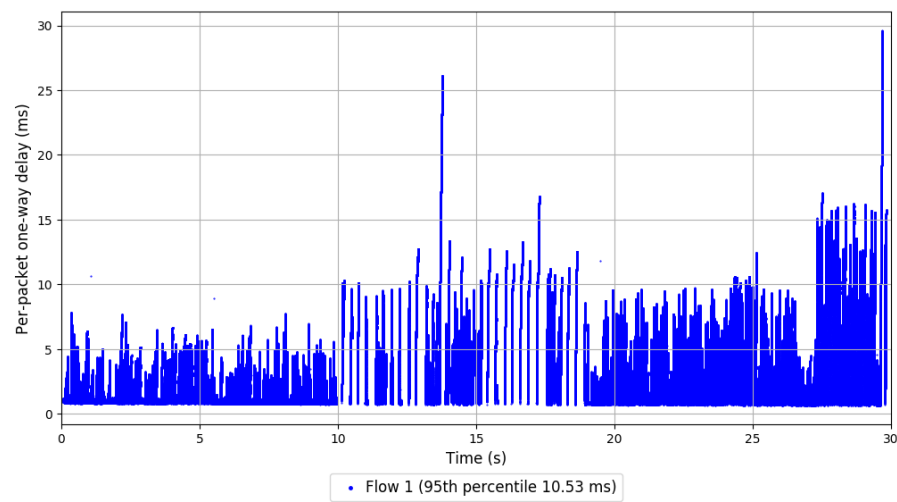
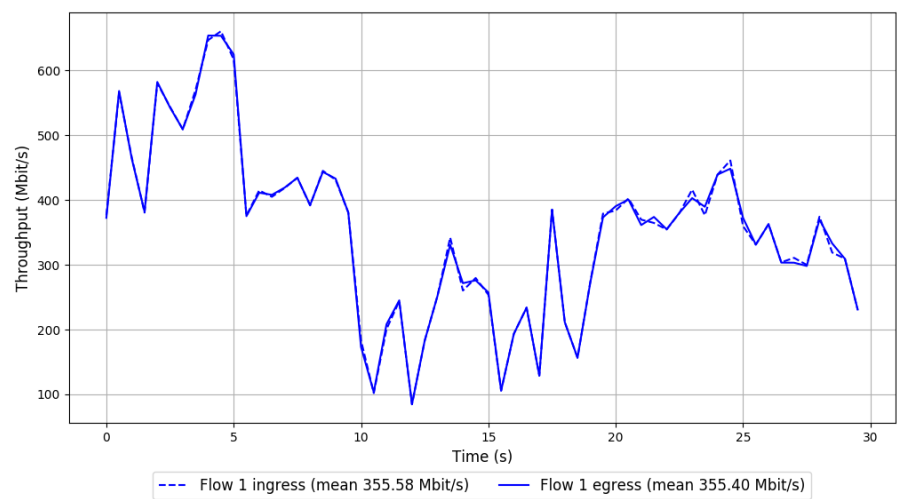


Run 1: Statistics of Verus

Start at: 2018-01-01 21:53:09
End at: 2018-01-01 21:53:39
Local clock offset: -3.468 ms
Remote clock offset: -1.336 ms

Below is generated by plot.py at 2018-01-02 05:33:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 355.40 Mbit/s
95th percentile per-packet one-way delay: 10.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 355.40 Mbit/s
95th percentile per-packet one-way delay: 10.529 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

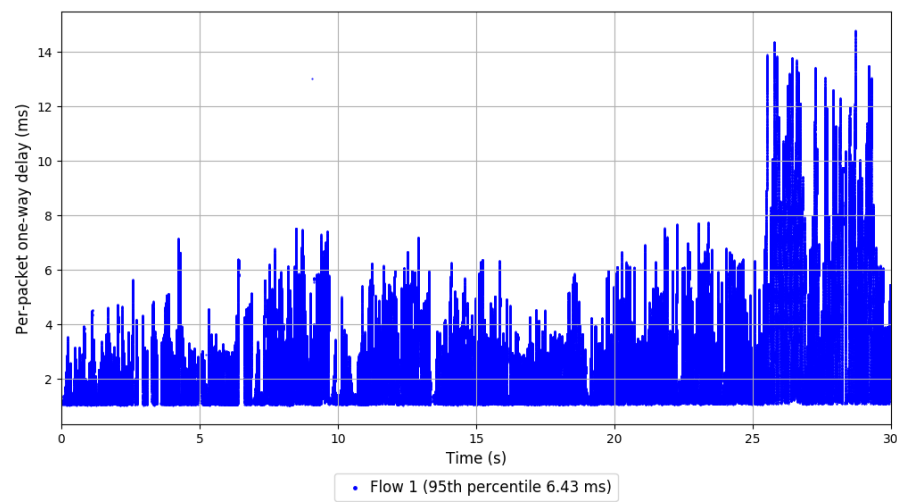
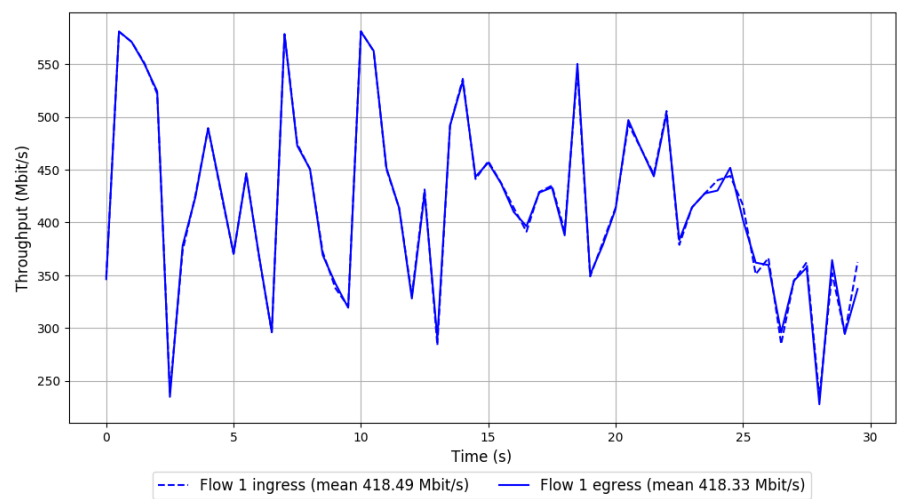


Run 2: Statistics of Verus

Start at: 2018-01-01 22:13:40
End at: 2018-01-01 22:14:10
Local clock offset: -0.385 ms
Remote clock offset: -1.294 ms

Below is generated by plot.py at 2018-01-02 05:33:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 418.33 Mbit/s
95th percentile per-packet one-way delay: 6.426 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 418.33 Mbit/s
95th percentile per-packet one-way delay: 6.426 ms
Loss rate: 0.10%

Run 2: Report of Verus — Data Link

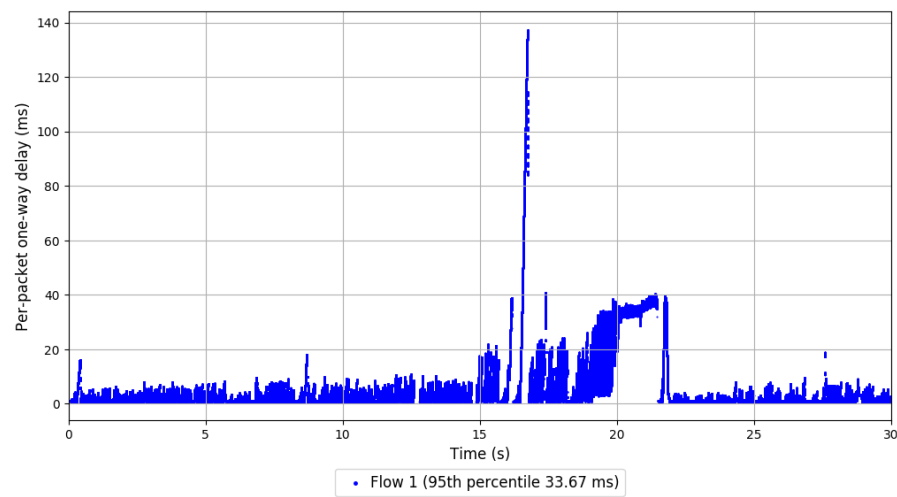
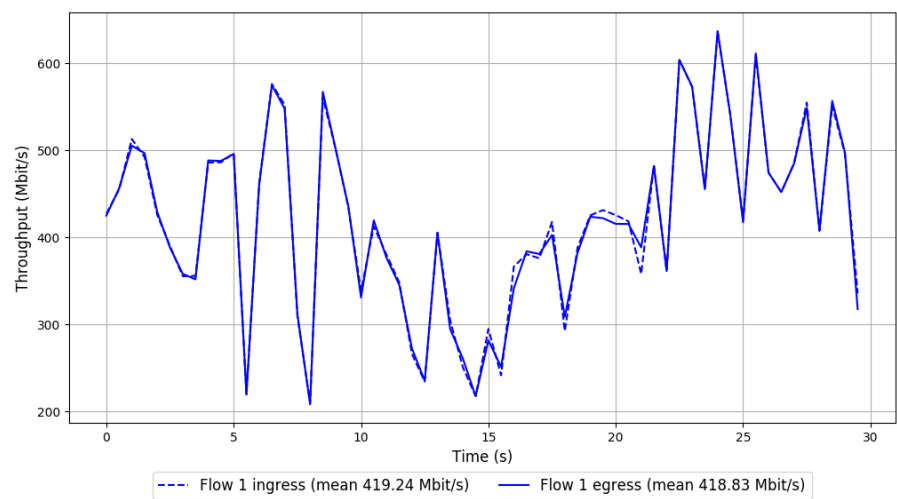


Run 3: Statistics of Verus

Start at: 2018-01-01 22:34:31
End at: 2018-01-01 22:35:01
Local clock offset: 0.281 ms
Remote clock offset: -0.984 ms

Below is generated by plot.py at 2018-01-02 05:34:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 418.83 Mbit/s
95th percentile per-packet one-way delay: 33.669 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 418.83 Mbit/s
95th percentile per-packet one-way delay: 33.669 ms
Loss rate: 0.14%

Run 3: Report of Verus — Data Link

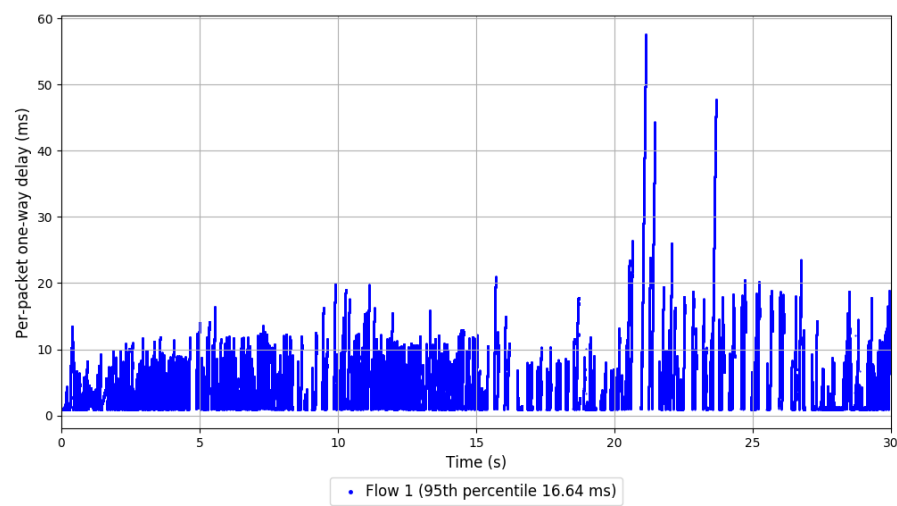
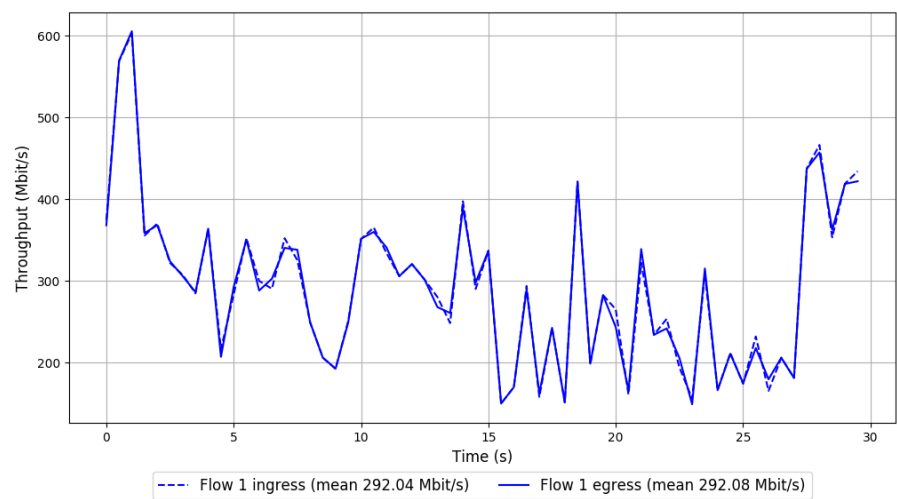


Run 4: Statistics of Verus

Start at: 2018-01-01 22:55:30
End at: 2018-01-01 22:56:00
Local clock offset: 0.692 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2018-01-02 05:34:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 292.08 Mbit/s
95th percentile per-packet one-way delay: 16.645 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 292.08 Mbit/s
95th percentile per-packet one-way delay: 16.645 ms
Loss rate: 0.08%

Run 4: Report of Verus — Data Link

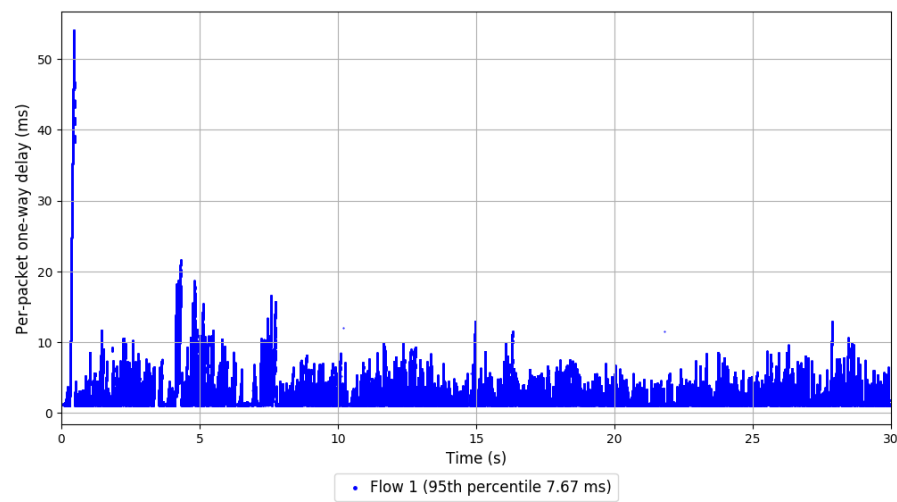
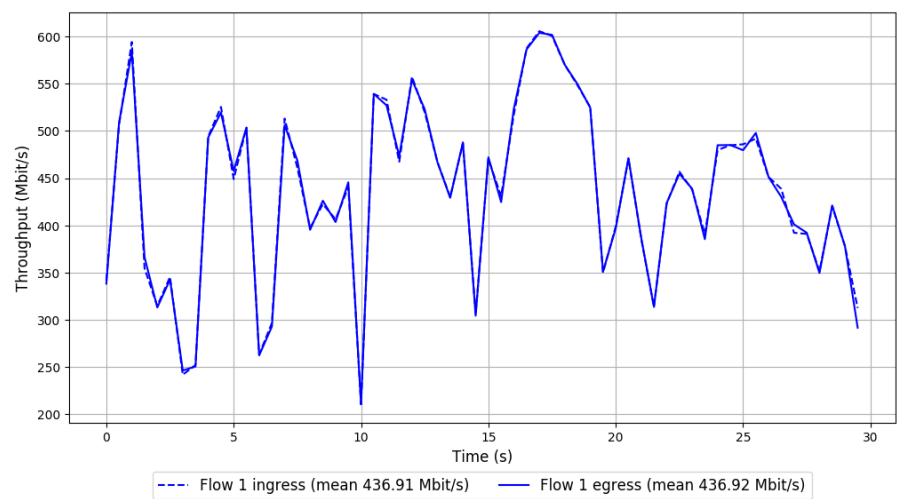


Run 5: Statistics of Verus

Start at: 2018-01-01 23:15:57
End at: 2018-01-01 23:16:27
Local clock offset: 0.298 ms
Remote clock offset: -1.132 ms

Below is generated by plot.py at 2018-01-02 05:36:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 436.92 Mbit/s
95th percentile per-packet one-way delay: 7.674 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 436.92 Mbit/s
95th percentile per-packet one-way delay: 7.674 ms
Loss rate: 0.08%

Run 5: Report of Verus — Data Link

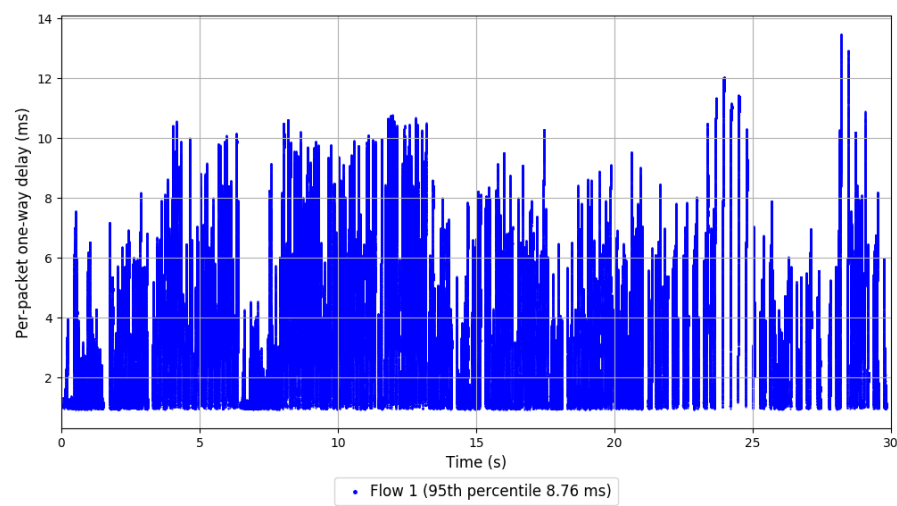
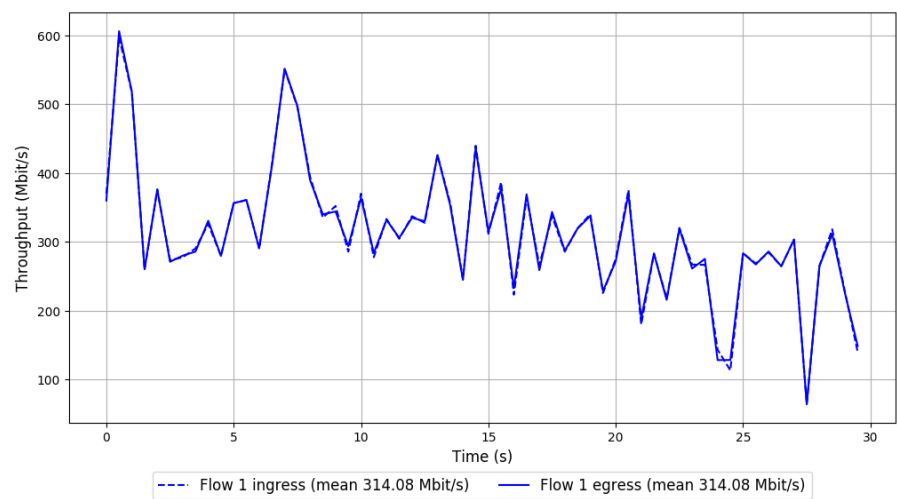


Run 6: Statistics of Verus

Start at: 2018-01-01 23:36:37
End at: 2018-01-01 23:37:07
Local clock offset: 0.312 ms
Remote clock offset: -0.994 ms

Below is generated by plot.py at 2018-01-02 05:36:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 314.08 Mbit/s
95th percentile per-packet one-way delay: 8.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 314.08 Mbit/s
95th percentile per-packet one-way delay: 8.763 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

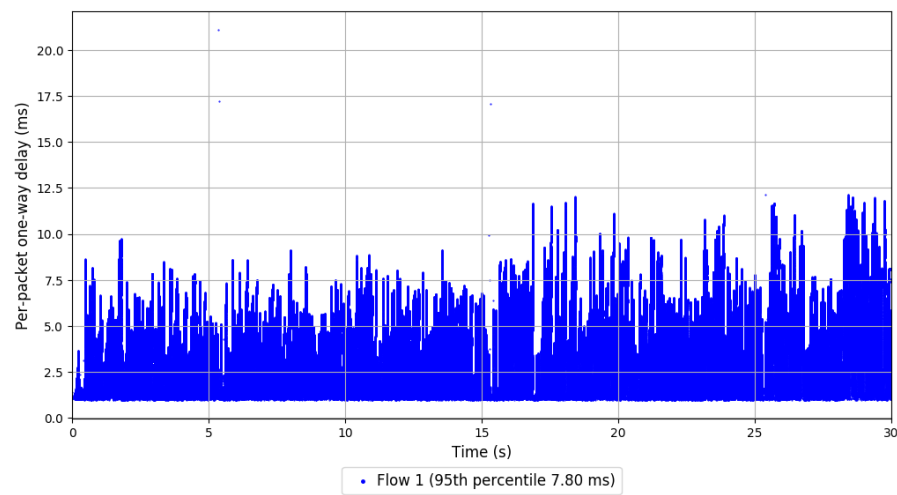
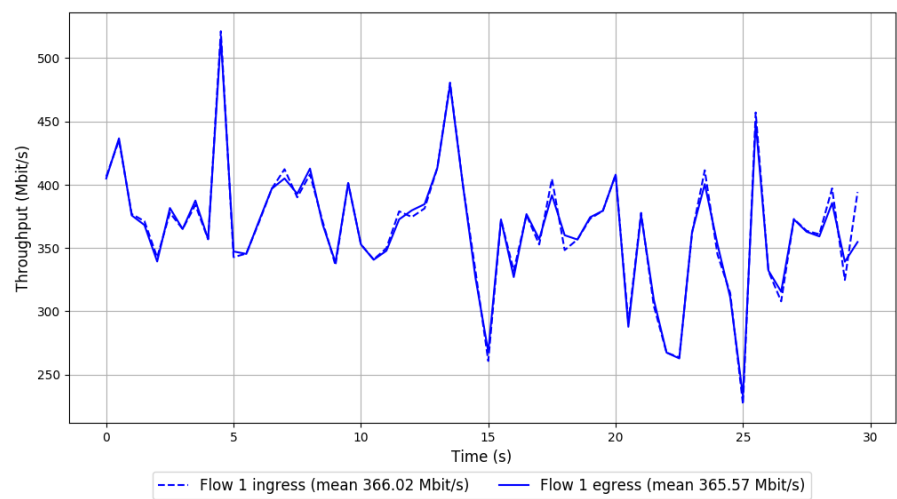


Run 7: Statistics of Verus

Start at: 2018-01-01 23:57:14
End at: 2018-01-01 23:57:44
Local clock offset: 0.574 ms
Remote clock offset: -0.755 ms

Below is generated by plot.py at 2018-01-02 05:36:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 365.57 Mbit/s
95th percentile per-packet one-way delay: 7.797 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 365.57 Mbit/s
95th percentile per-packet one-way delay: 7.797 ms
Loss rate: 0.18%

Run 7: Report of Verus — Data Link

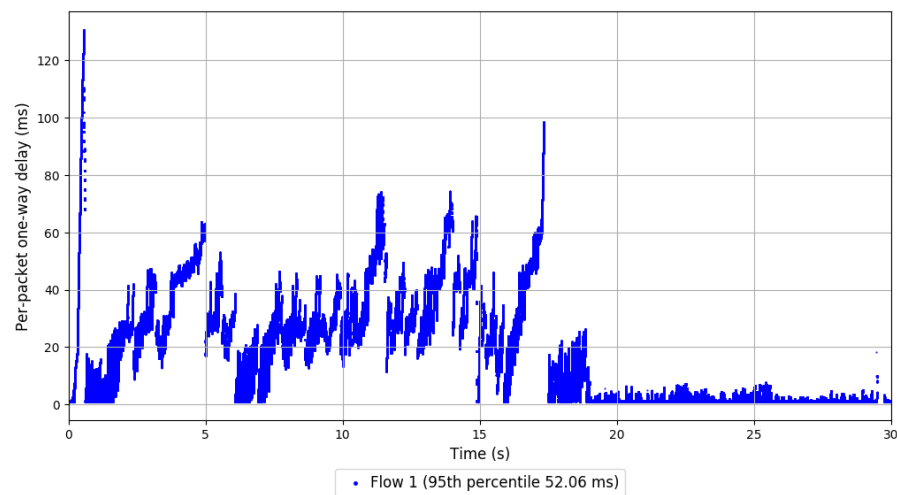
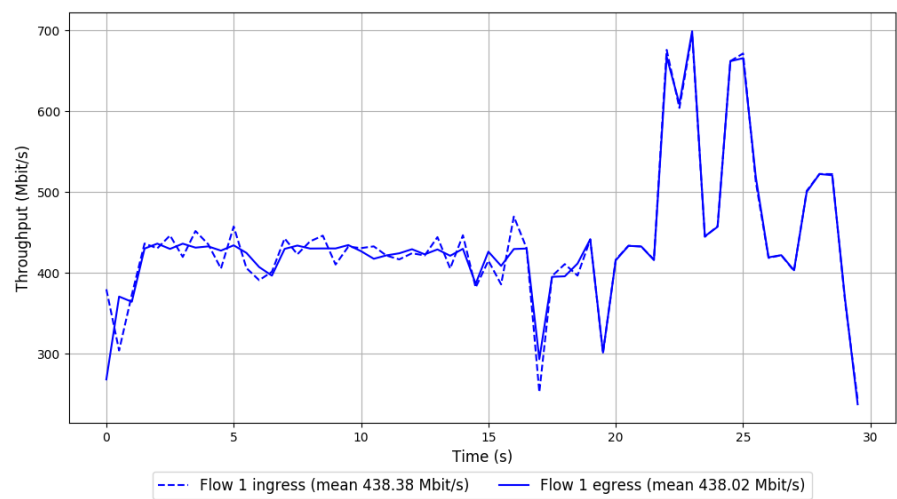


Run 8: Statistics of Verus

Start at: 2018-01-02 00:17:49
End at: 2018-01-02 00:18:19
Local clock offset: 0.514 ms
Remote clock offset: -0.624 ms

Below is generated by plot.py at 2018-01-02 05:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 438.02 Mbit/s
95th percentile per-packet one-way delay: 52.062 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 438.02 Mbit/s
95th percentile per-packet one-way delay: 52.062 ms
Loss rate: 0.16%

Run 8: Report of Verus — Data Link

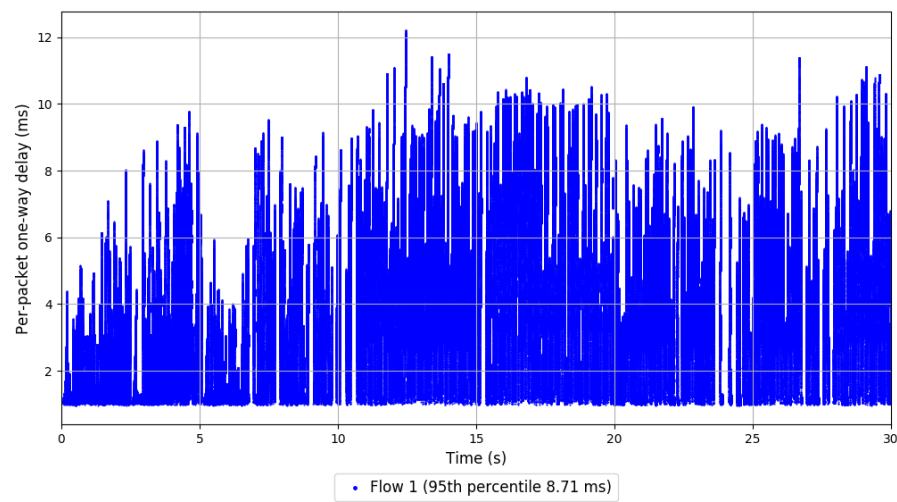
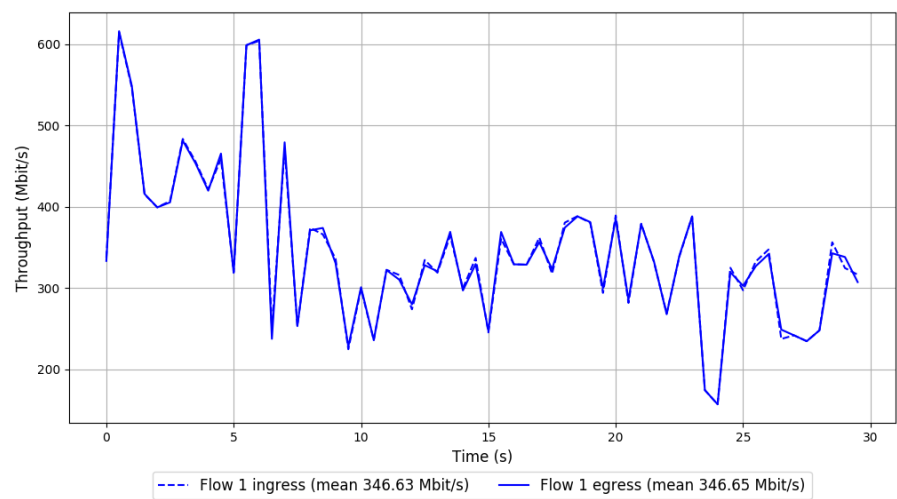


Run 9: Statistics of Verus

Start at: 2018-01-02 00:38:37
End at: 2018-01-02 00:39:07
Local clock offset: 0.526 ms
Remote clock offset: -0.923 ms

Below is generated by plot.py at 2018-01-02 05:38:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 346.65 Mbit/s
95th percentile per-packet one-way delay: 8.714 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 346.65 Mbit/s
95th percentile per-packet one-way delay: 8.714 ms
Loss rate: 0.04%

Run 9: Report of Verus — Data Link

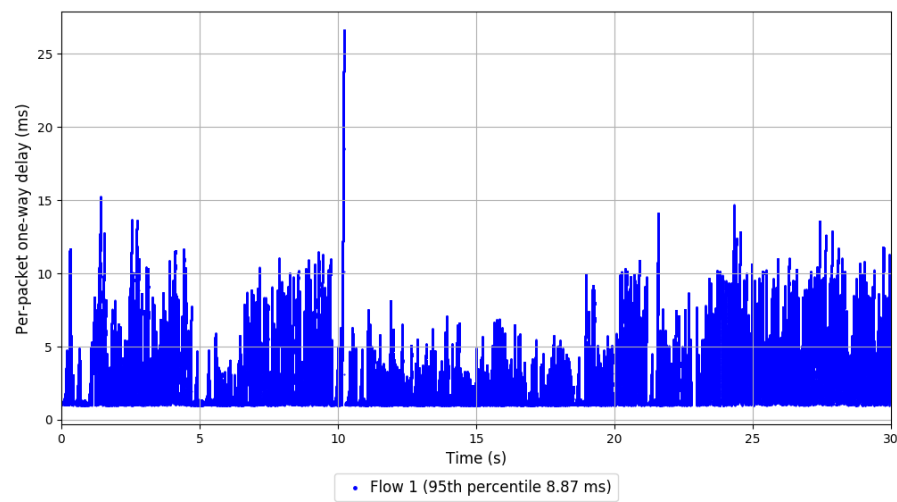
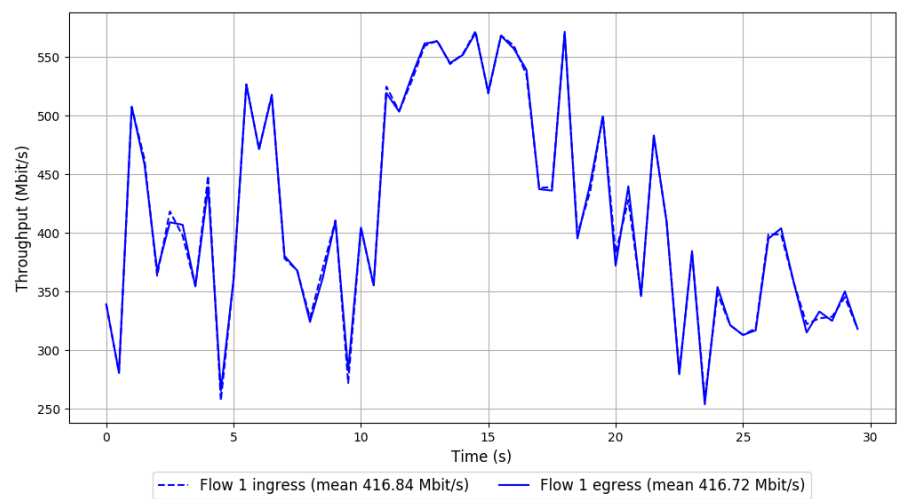


Run 10: Statistics of Verus

Start at: 2018-01-02 00:58:54
End at: 2018-01-02 00:59:24
Local clock offset: -0.287 ms
Remote clock offset: -0.964 ms

Below is generated by plot.py at 2018-01-02 05:40:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 416.72 Mbit/s
95th percentile per-packet one-way delay: 8.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 416.72 Mbit/s
95th percentile per-packet one-way delay: 8.874 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

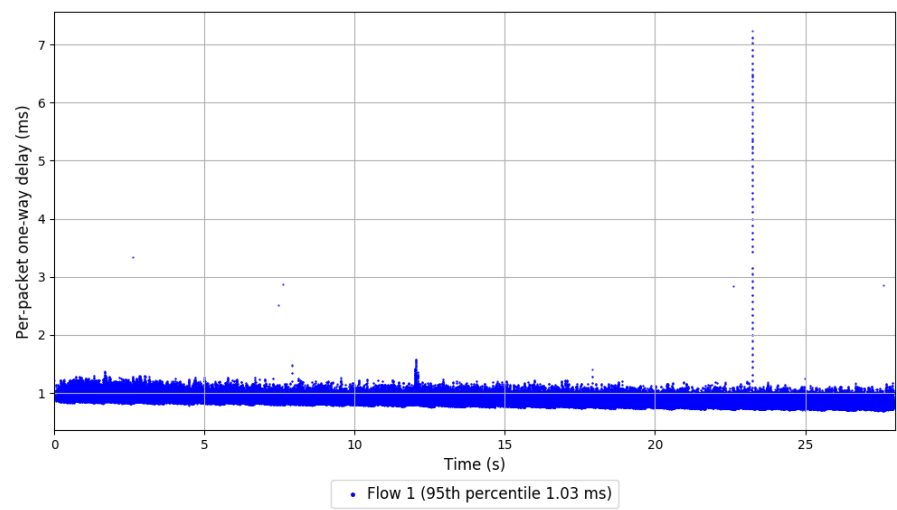
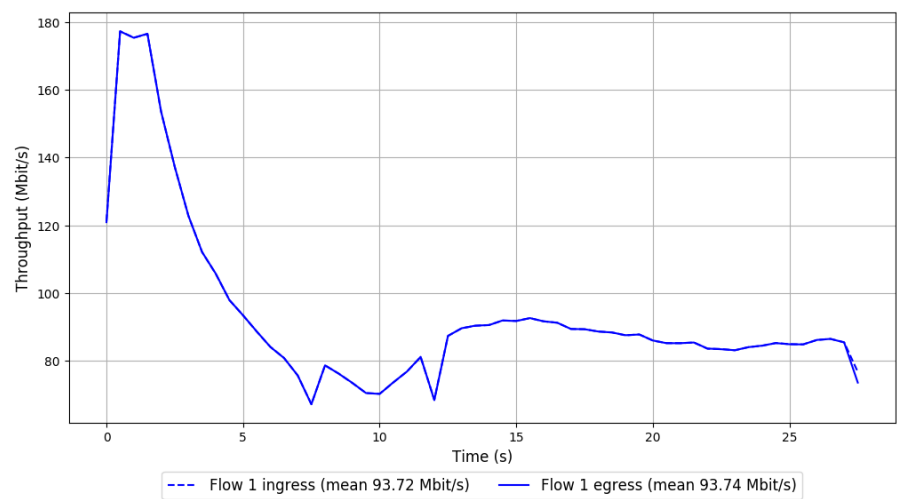


Run 1: Statistics of Copa

Start at: 2018-01-01 21:43:29
End at: 2018-01-01 21:43:59
Local clock offset: -3.411 ms
Remote clock offset: -1.759 ms

Below is generated by plot.py at 2018-01-02 05:40:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.06%

Run 1: Report of Copa — Data Link

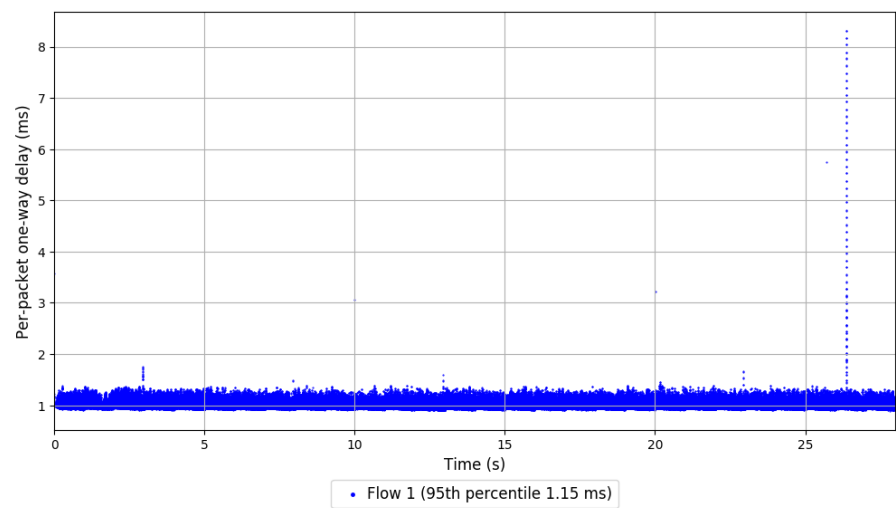
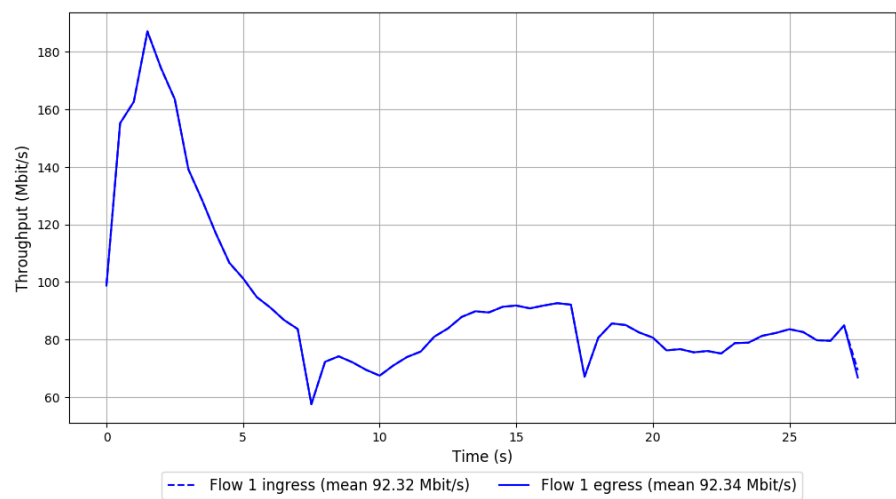


Run 2: Statistics of Copa

Start at: 2018-01-01 22:03:59
End at: 2018-01-01 22:04:29
Local clock offset: -1.816 ms
Remote clock offset: -1.128 ms

Below is generated by plot.py at 2018-01-02 05:40:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.05%

Run 2: Report of Copa — Data Link

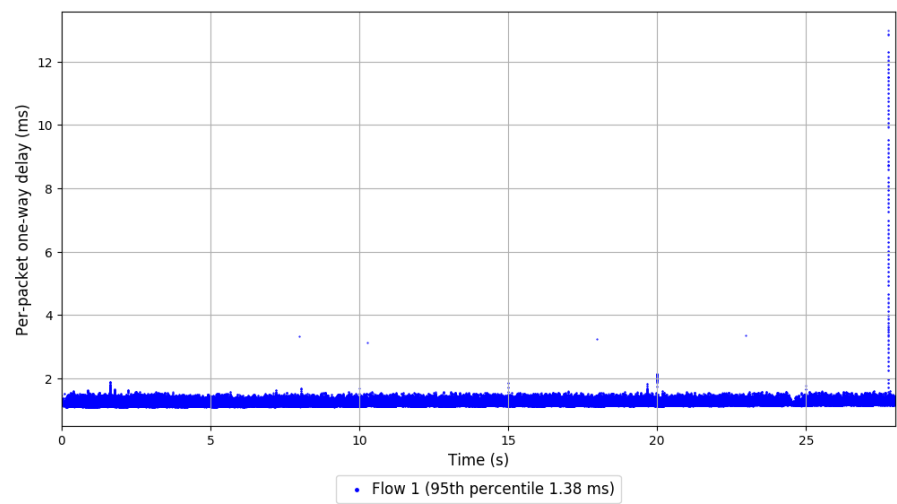


Run 3: Statistics of Copa

Start at: 2018-01-01 22:24:37
End at: 2018-01-01 22:25:07
Local clock offset: -0.316 ms
Remote clock offset: -1.242 ms

Below is generated by plot.py at 2018-01-02 05:40:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.06%

Run 3: Report of Copa — Data Link

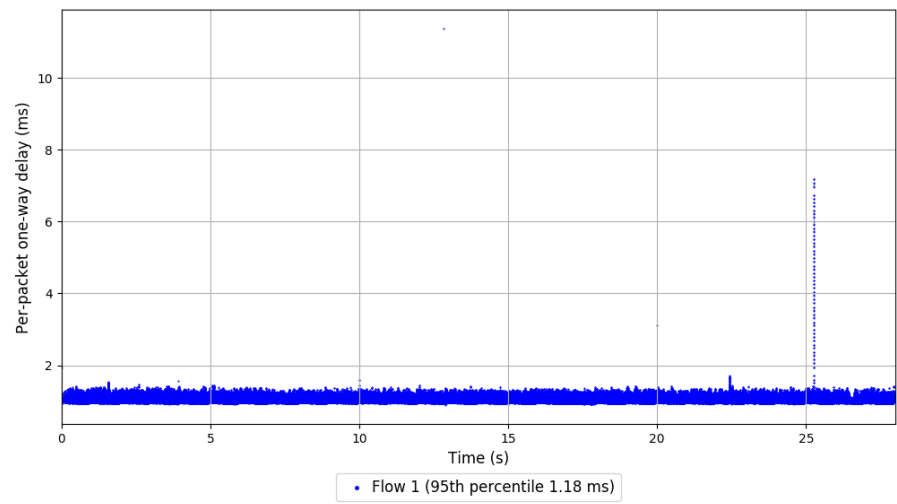
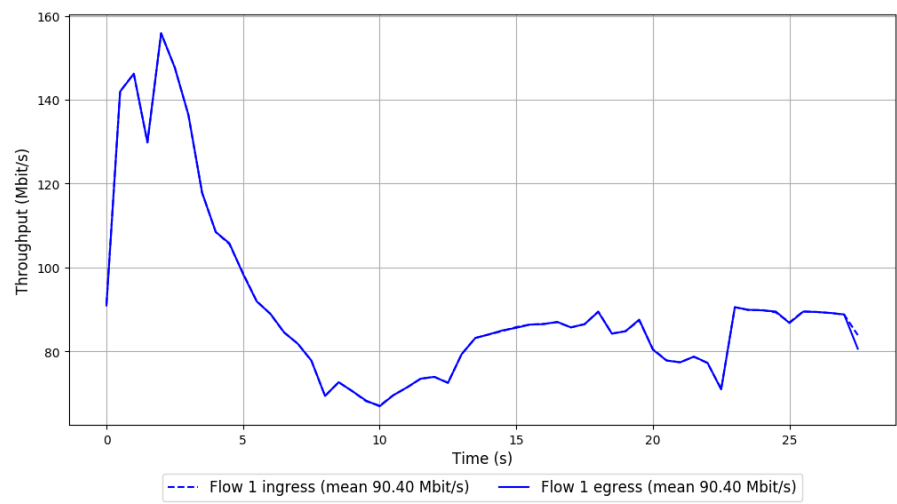


Run 4: Statistics of Copa

Start at: 2018-01-01 22:45:34
End at: 2018-01-01 22:46:04
Local clock offset: 0.486 ms
Remote clock offset: -1.007 ms

Below is generated by plot.py at 2018-01-02 05:40:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.07%

Run 4: Report of Copa — Data Link

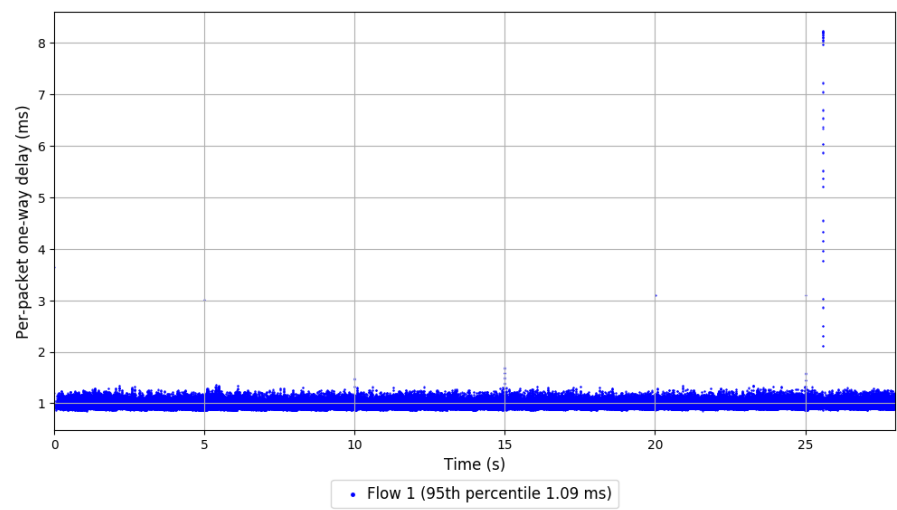
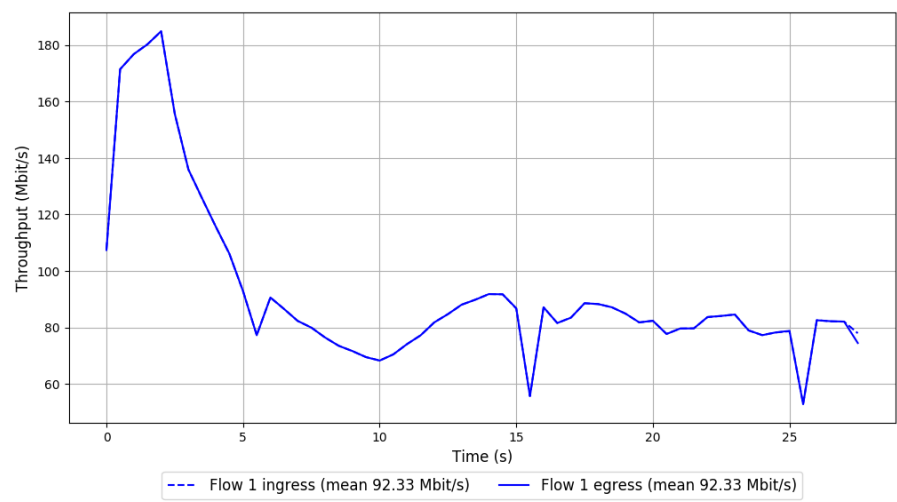


Run 5: Statistics of Copa

Start at: 2018-01-01 23:06:01
End at: 2018-01-01 23:06:31
Local clock offset: 0.586 ms
Remote clock offset: -1.168 ms

Below is generated by plot.py at 2018-01-02 05:40:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.07%

Run 5: Report of Copa — Data Link

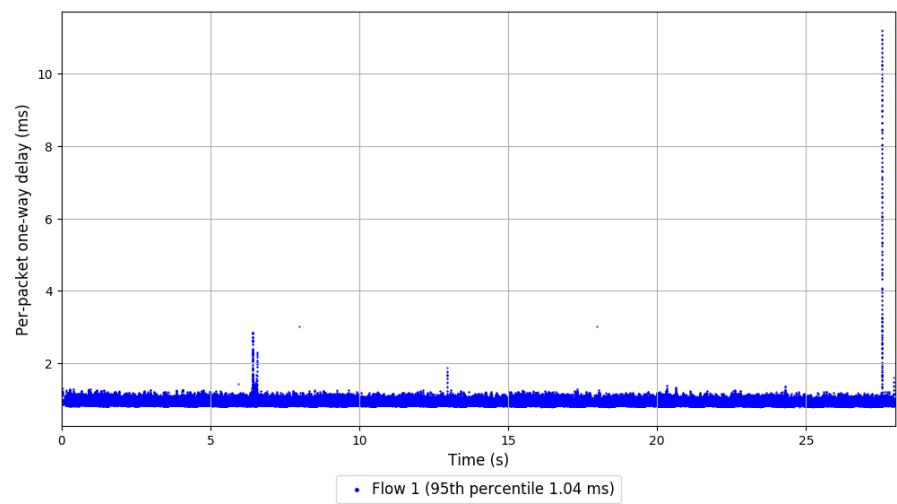
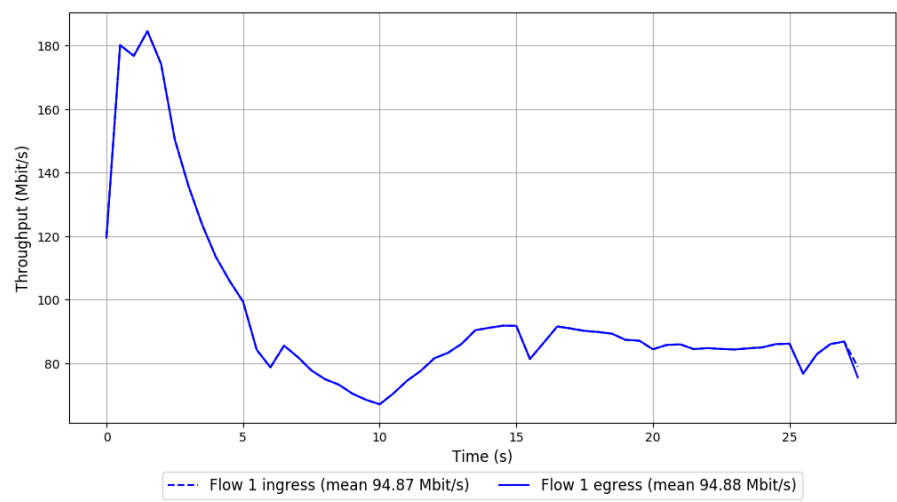


Run 6: Statistics of Copa

Start at: 2018-01-01 23:26:41
End at: 2018-01-01 23:27:11
Local clock offset: 0.167 ms
Remote clock offset: -0.945 ms

Below is generated by plot.py at 2018-01-02 05:40:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.07%

Run 6: Report of Copa — Data Link

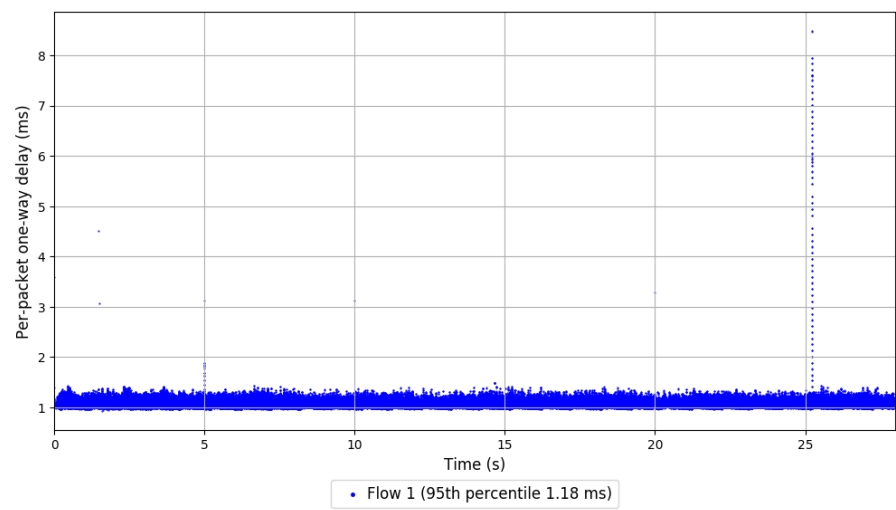
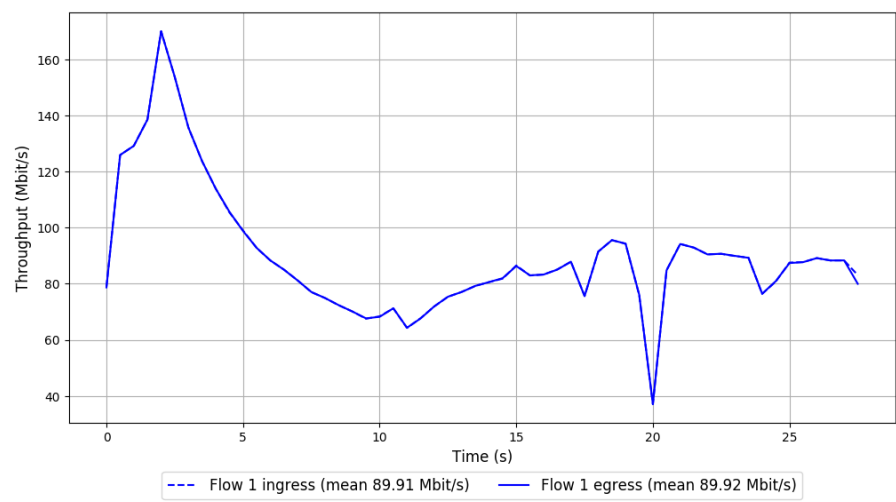


Run 7: Statistics of Copa

Start at: 2018-01-01 23:47:15
End at: 2018-01-01 23:47:45
Local clock offset: 0.354 ms
Remote clock offset: -0.783 ms

Below is generated by plot.py at 2018-01-02 05:40:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.07%

Run 7: Report of Copa — Data Link

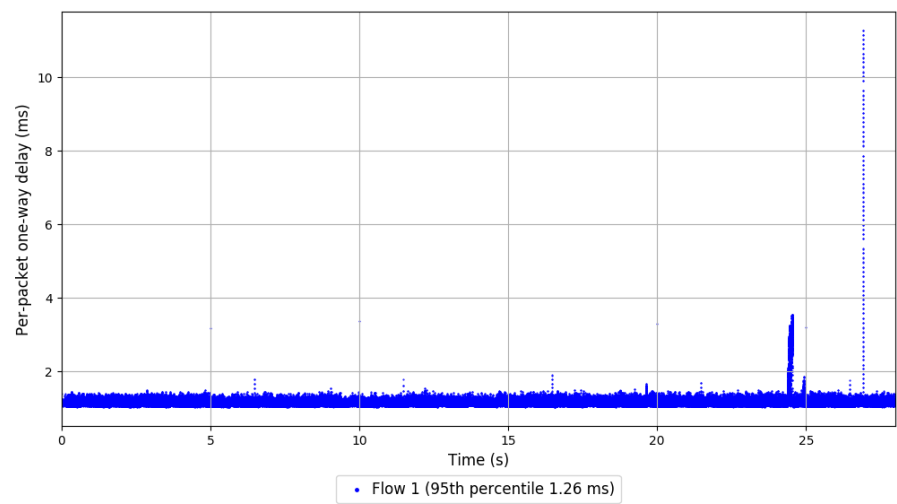
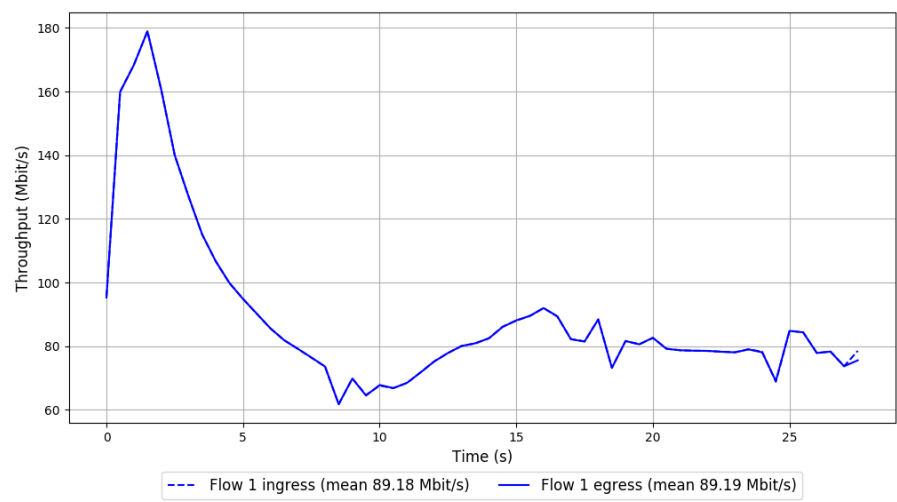


Run 8: Statistics of Copa

Start at: 2018-01-02 00:08:08
End at: 2018-01-02 00:08:38
Local clock offset: 0.668 ms
Remote clock offset: -0.704 ms

Below is generated by plot.py at 2018-01-02 05:40:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.06%

Run 8: Report of Copa — Data Link

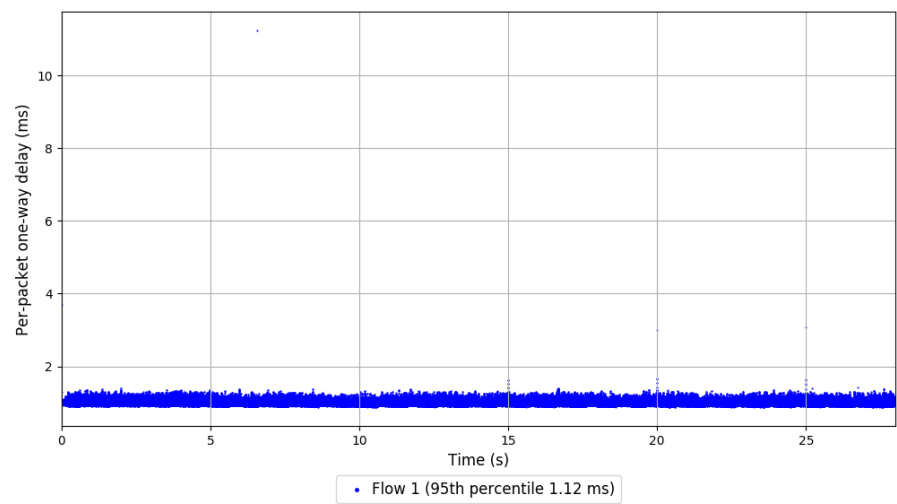
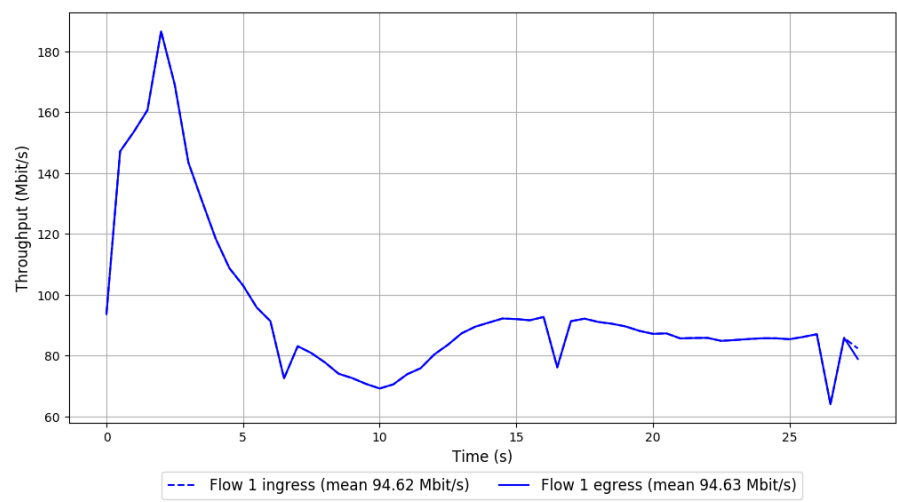


Run 9: Statistics of Copa

Start at: 2018-01-02 00:28:50
End at: 2018-01-02 00:29:20
Local clock offset: 0.477 ms
Remote clock offset: -0.719 ms

Below is generated by plot.py at 2018-01-02 05:40:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.07%

Run 9: Report of Copa — Data Link

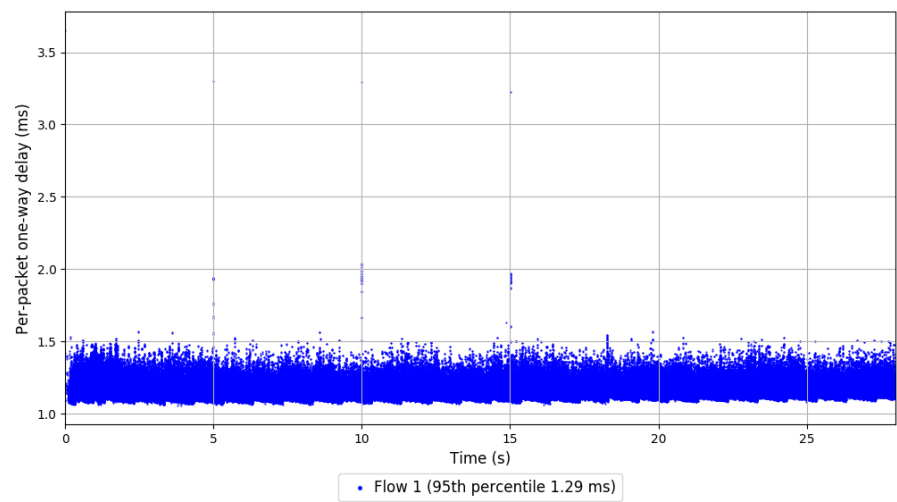
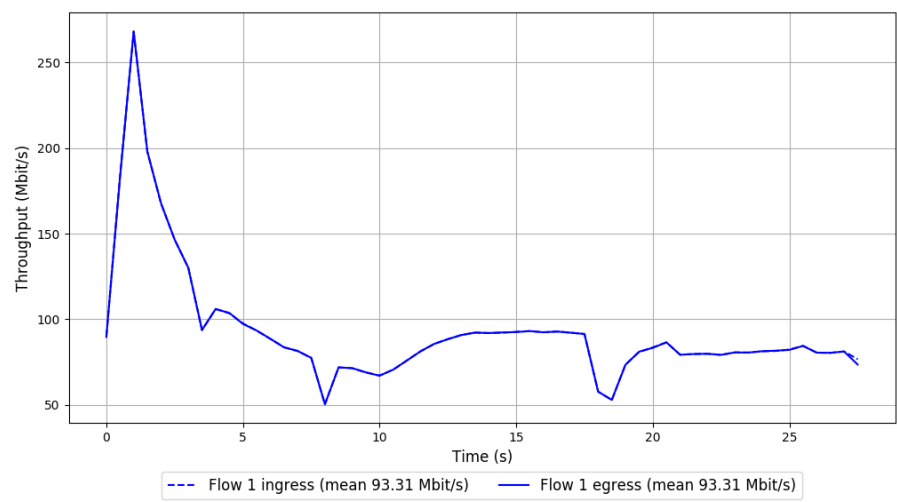


Run 10: Statistics of Copa

Start at: 2018-01-02 00:49:29
End at: 2018-01-02 00:49:59
Local clock offset: 0.142 ms
Remote clock offset: -0.942 ms

Below is generated by plot.py at 2018-01-02 05:40:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.06%

Run 10: Report of Copa — Data Link

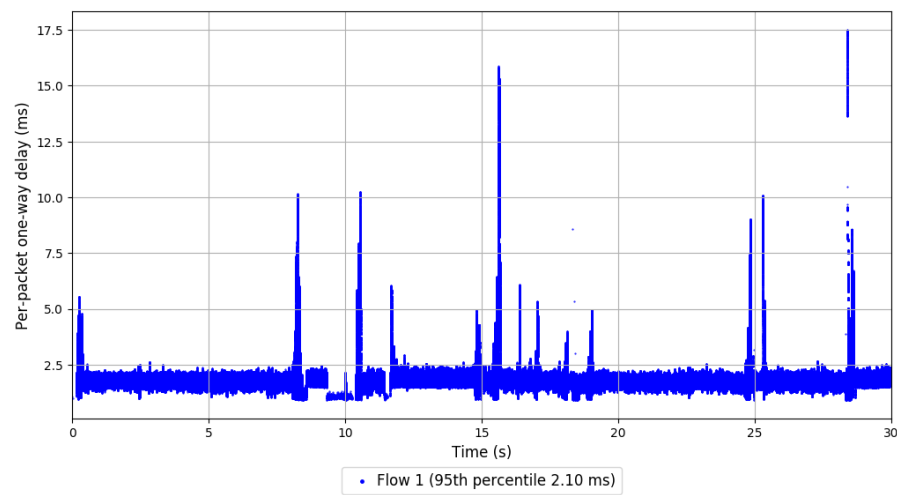
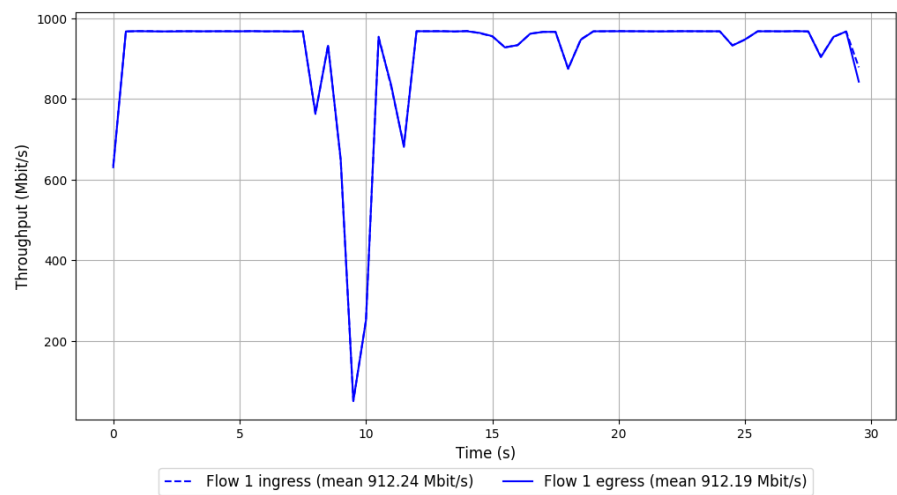


Run 1: Statistics of FillP

Start at: 2018-01-01 21:46:15
End at: 2018-01-01 21:46:45
Local clock offset: -2.527 ms
Remote clock offset: -1.664 ms

Below is generated by plot.py at 2018-01-02 05:52:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 912.19 Mbit/s
95th percentile per-packet one-way delay: 2.105 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 912.19 Mbit/s
95th percentile per-packet one-way delay: 2.105 ms
Loss rate: 0.07%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-01 22:06:49

End at: 2018-01-01 22:07:19

Local clock offset: -1.401 ms

Remote clock offset: -1.25 ms

Below is generated by plot.py at 2018-01-02 05:52:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 810.32 Mbit/s

95th percentile per-packet one-way delay: 1.948 ms

Loss rate: 0.08%

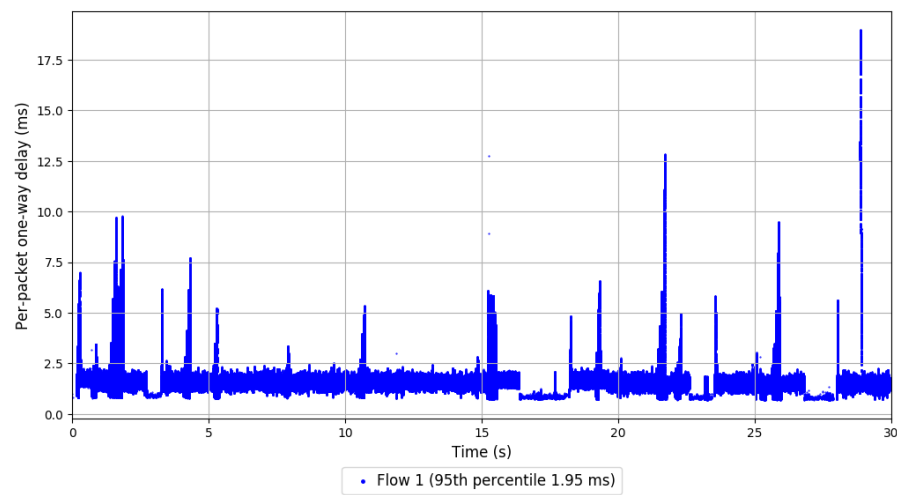
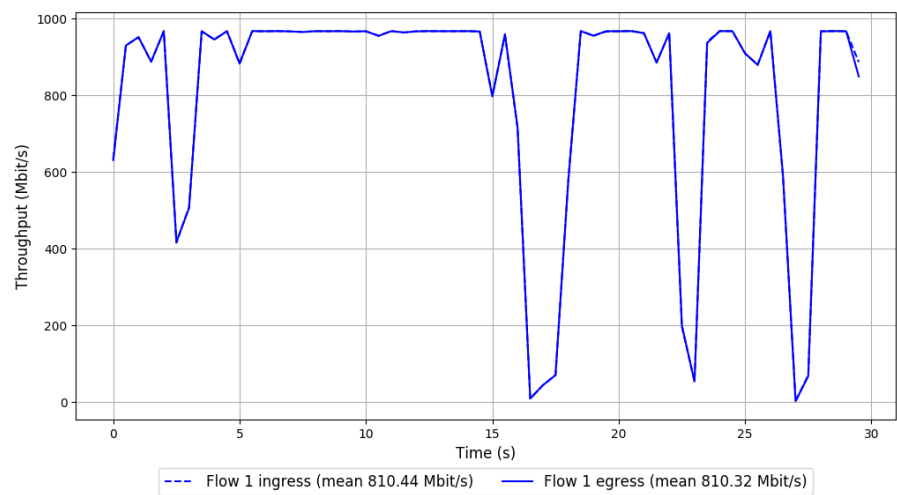
-- Flow 1:

Average throughput: 810.32 Mbit/s

95th percentile per-packet one-way delay: 1.948 ms

Loss rate: 0.08%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

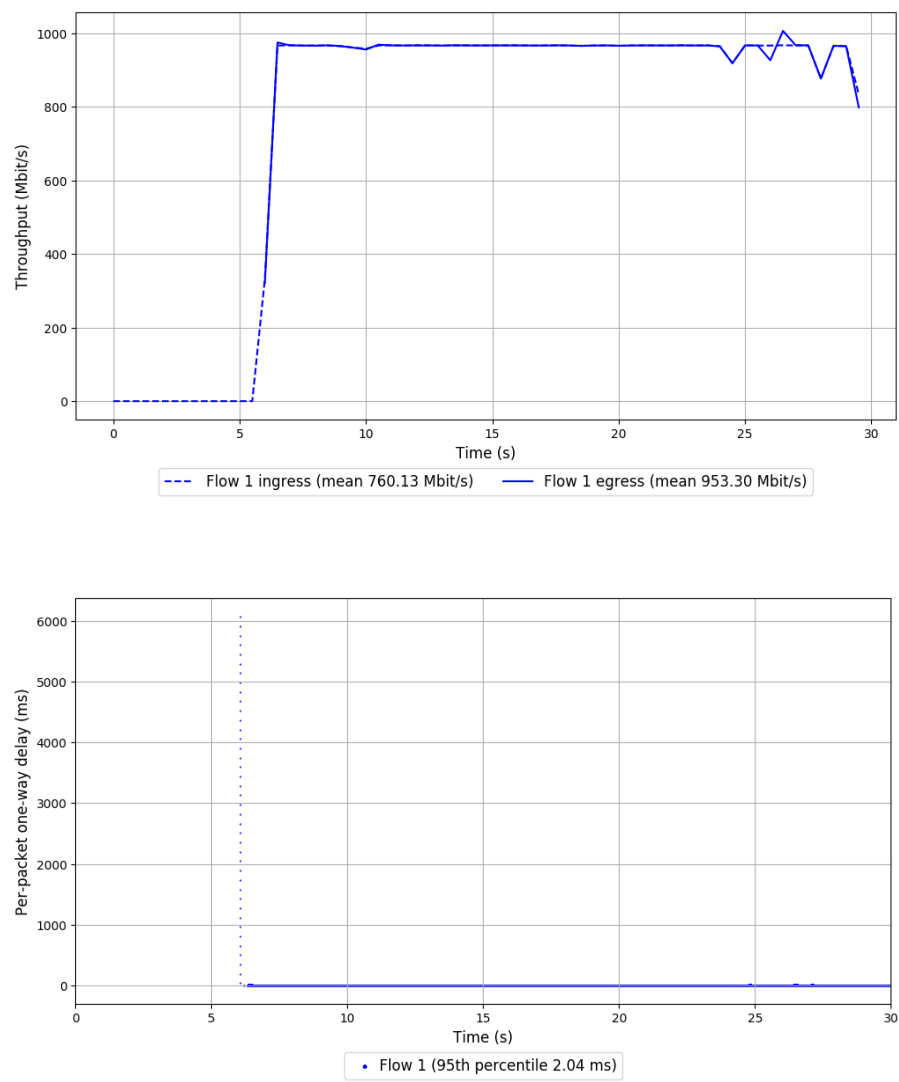
Start at: 2018-01-01 22:27:21

End at: 2018-01-01 22:27:51

Local clock offset: -0.285 ms

Remote clock offset: -1.215 ms

Run 3: Report of FillP — Data Link

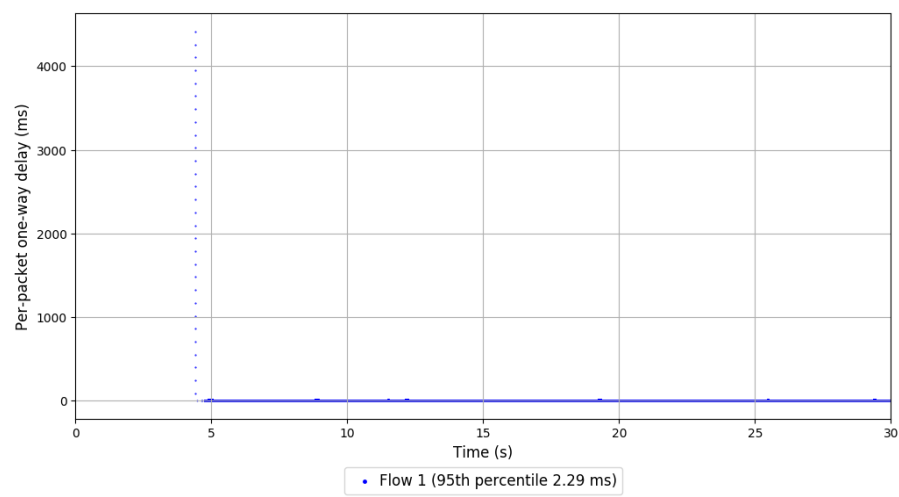
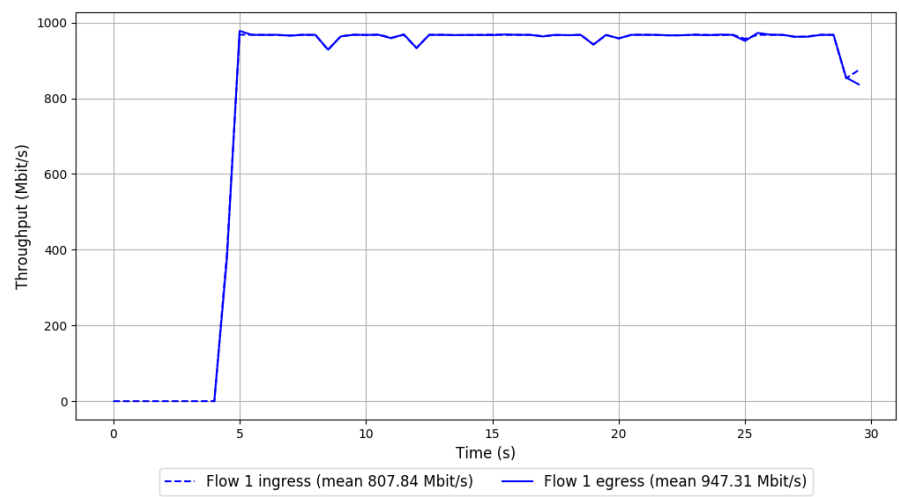


Run 4: Statistics of FillP

Start at: 2018-01-01 22:48:20
End at: 2018-01-01 22:48:50
Local clock offset: 0.461 ms
Remote clock offset: -1.117 ms

Below is generated by plot.py at 2018-01-02 05:52:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 947.31 Mbit/s
95th percentile per-packet one-way delay: 2.290 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 947.31 Mbit/s
95th percentile per-packet one-way delay: 2.290 ms
Loss rate: 0.08%

Run 4: Report of FillP — Data Link

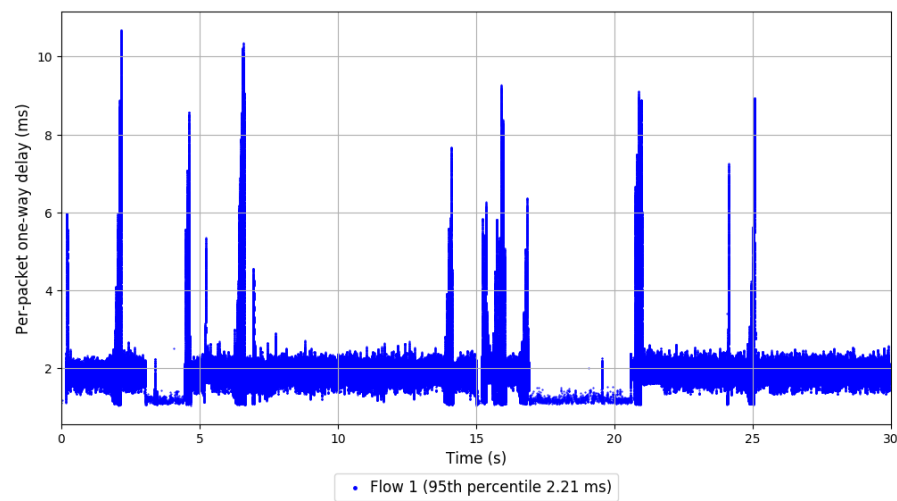
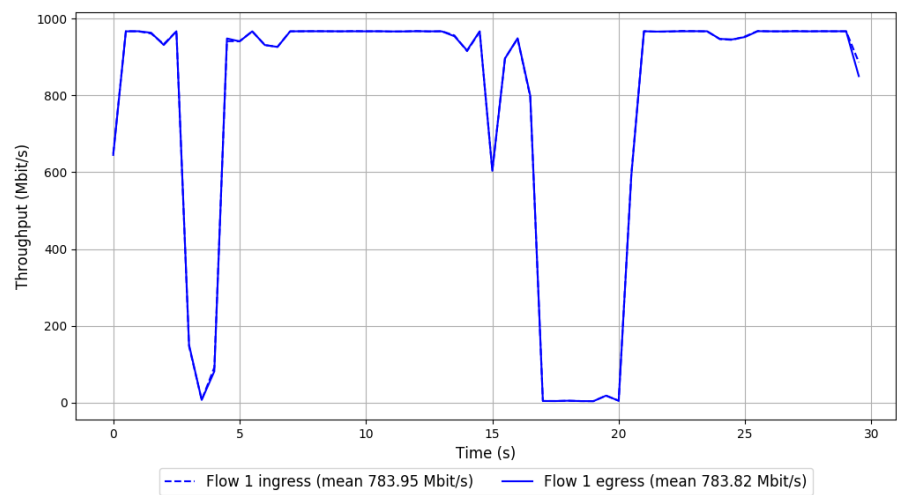


Run 5: Statistics of FillP

Start at: 2018-01-01 23:08:47
End at: 2018-01-01 23:09:17
Local clock offset: 0.581 ms
Remote clock offset: -1.267 ms

Below is generated by plot.py at 2018-01-02 05:52:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 783.82 Mbit/s
95th percentile per-packet one-way delay: 2.214 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 783.82 Mbit/s
95th percentile per-packet one-way delay: 2.214 ms
Loss rate: 0.08%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-01 23:29:27

End at: 2018-01-01 23:29:57

Local clock offset: 0.282 ms

Remote clock offset: -1.03 ms

Below is generated by plot.py at 2018-01-02 05:52:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 797.47 Mbit/s

95th percentile per-packet one-way delay: 11.102 ms

Loss rate: 0.50%

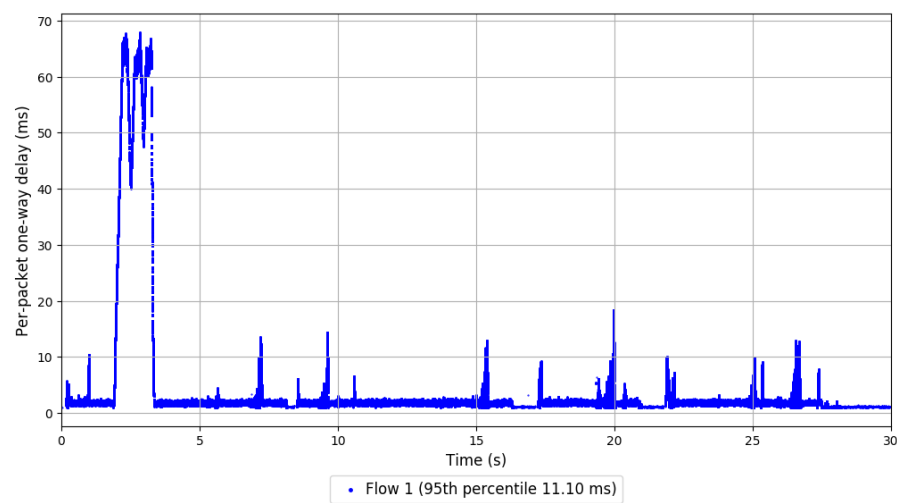
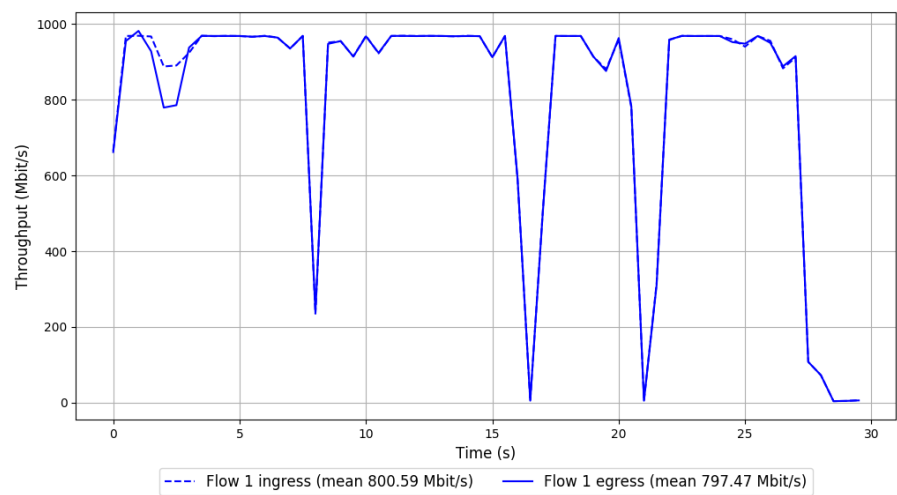
-- Flow 1:

Average throughput: 797.47 Mbit/s

95th percentile per-packet one-way delay: 11.102 ms

Loss rate: 0.50%

Run 6: Report of FillP — Data Link

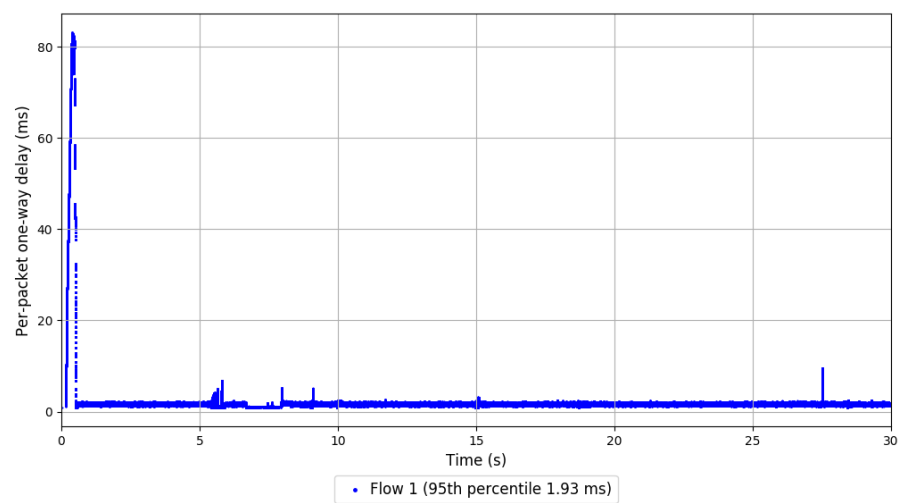
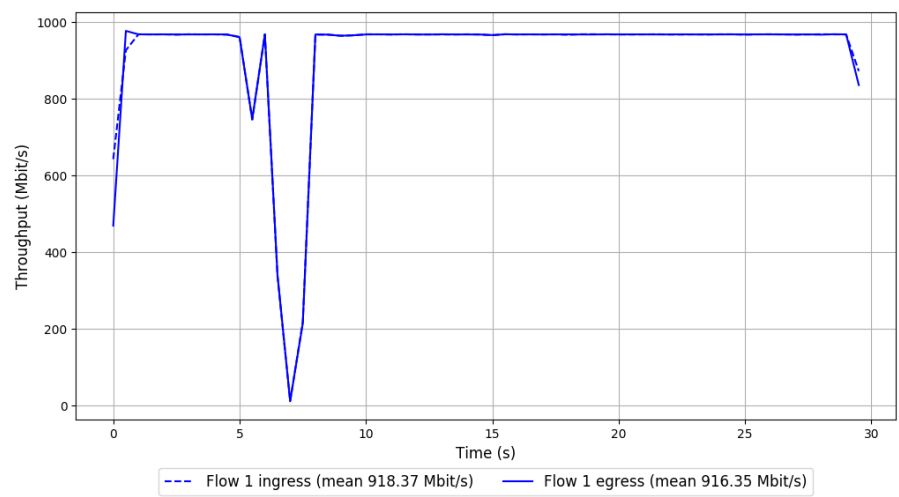


Run 7: Statistics of FillP

Start at: 2018-01-01 23:50:00
End at: 2018-01-01 23:50:30
Local clock offset: 0.242 ms
Remote clock offset: -0.863 ms

Below is generated by plot.py at 2018-01-02 05:54:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 916.35 Mbit/s
95th percentile per-packet one-way delay: 1.927 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 916.35 Mbit/s
95th percentile per-packet one-way delay: 1.927 ms
Loss rate: 0.29%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

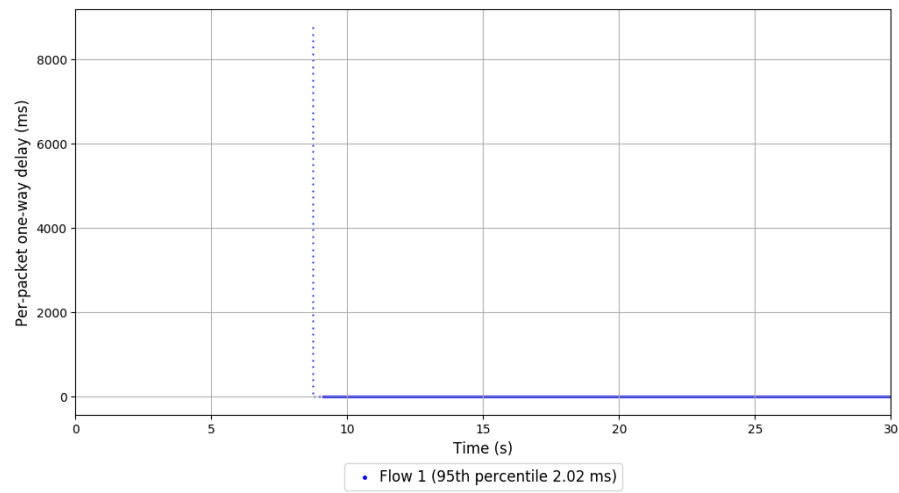
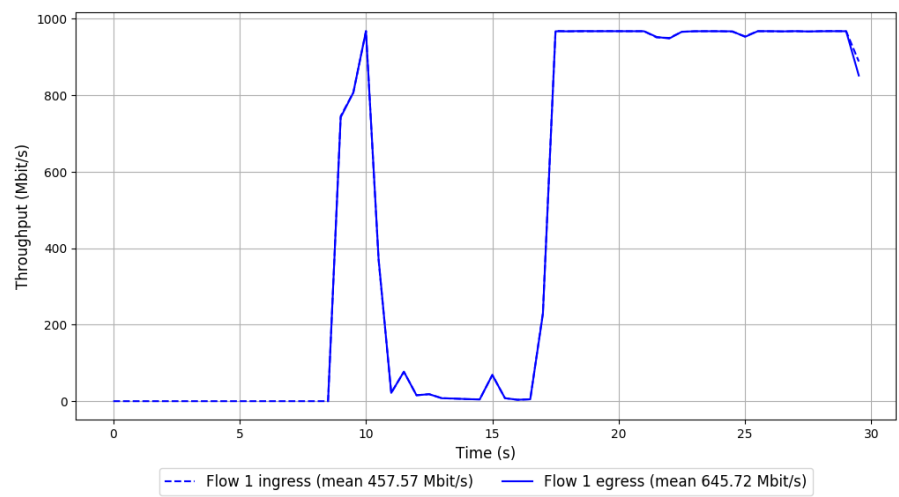
Start at: 2018-01-02 00:10:50

End at: 2018-01-02 00:11:20

Local clock offset: 0.572 ms

Remote clock offset: -0.638 ms

Run 8: Report of FillP — Data Link

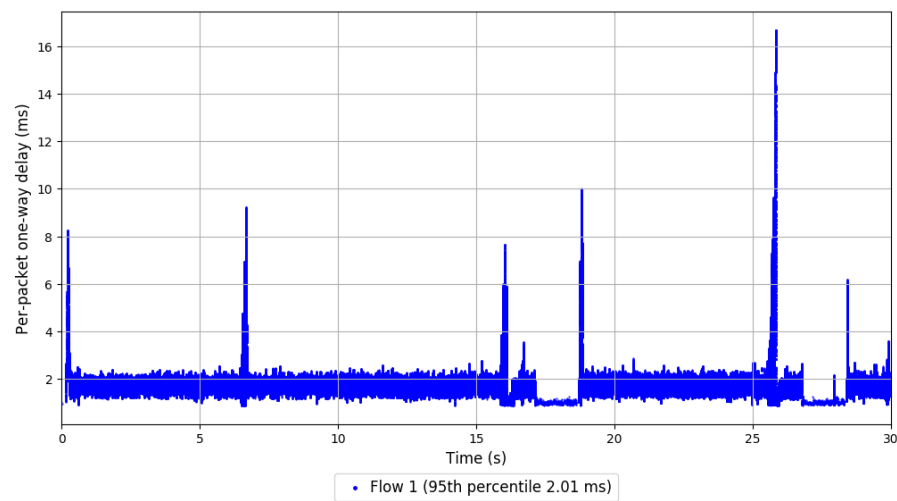
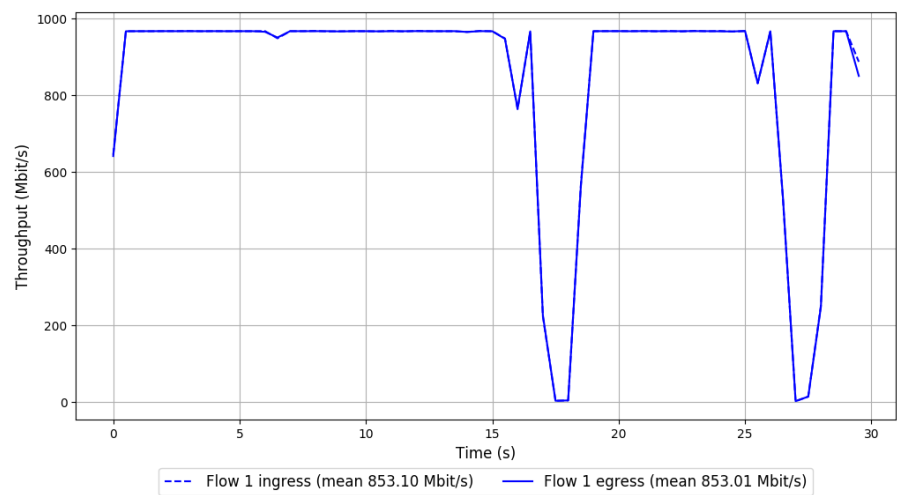


Run 9: Statistics of FillP

Start at: 2018-01-02 00:31:44
End at: 2018-01-02 00:32:14
Local clock offset: 0.475 ms
Remote clock offset: -0.753 ms

Below is generated by plot.py at 2018-01-02 05:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 853.01 Mbit/s
95th percentile per-packet one-way delay: 2.010 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 853.01 Mbit/s
95th percentile per-packet one-way delay: 2.010 ms
Loss rate: 0.08%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

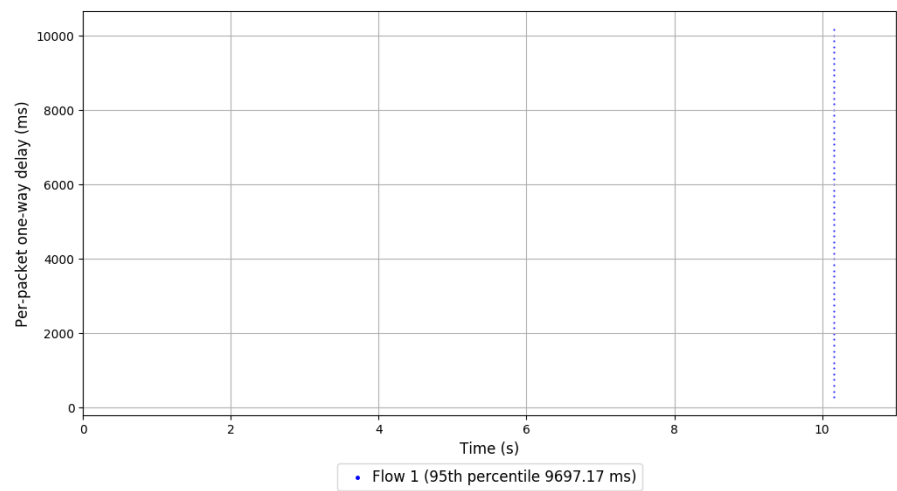
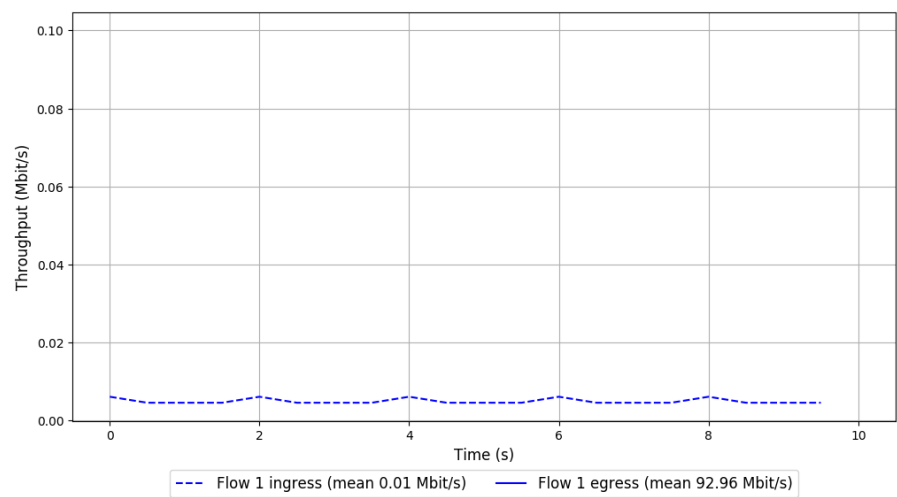
Start at: 2018-01-02 00:52:09

End at: 2018-01-02 00:52:39

Local clock offset: 0.041 ms

Remote clock offset: -0.895 ms

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-01-01 21:47:54

End at: 2018-01-01 21:48:24

Local clock offset: -2.342 ms

Remote clock offset: -1.609 ms

Below is generated by plot.py at 2018-01-02 05:56:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.53 Mbit/s

95th percentile per-packet one-way delay: 1.370 ms

Loss rate: 0.04%

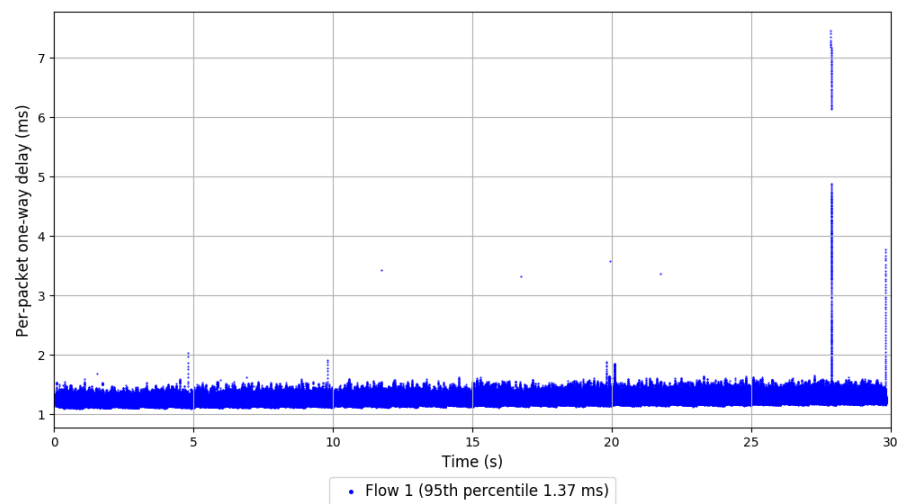
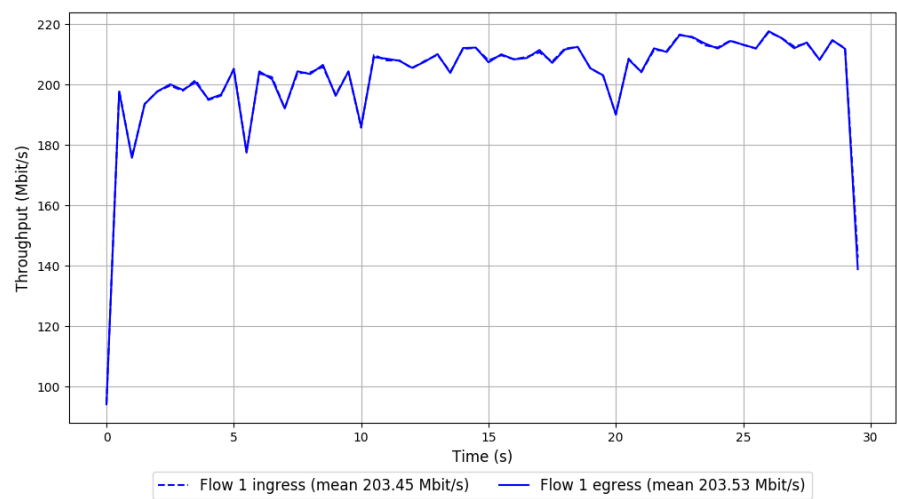
-- Flow 1:

Average throughput: 203.53 Mbit/s

95th percentile per-packet one-way delay: 1.370 ms

Loss rate: 0.04%

Run 1: Report of Indigo — Data Link

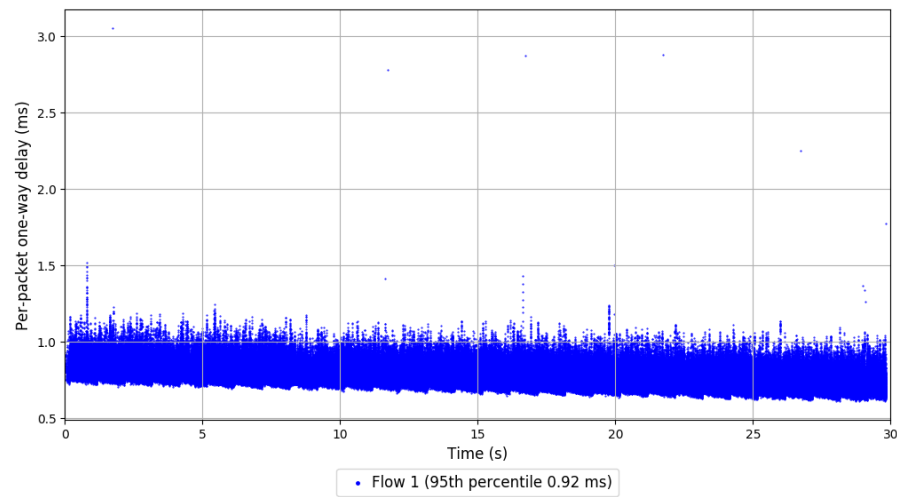
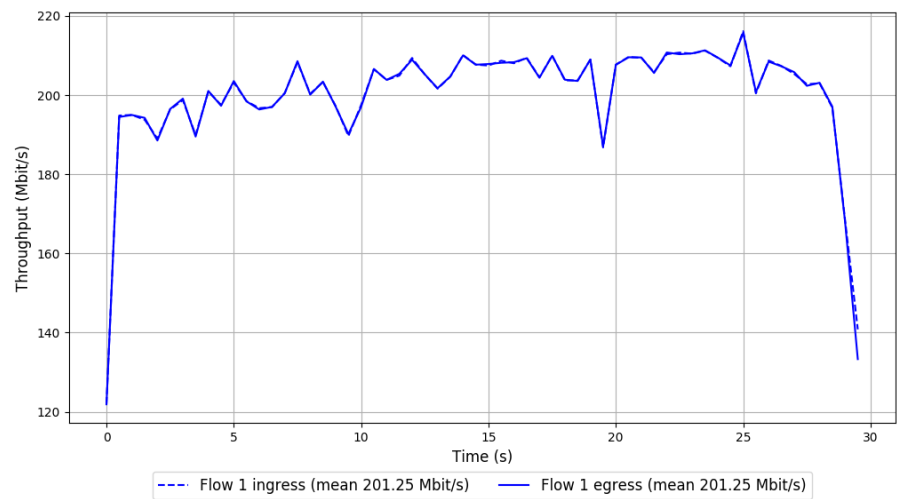


Run 2: Statistics of Indigo

Start at: 2018-01-01 22:08:24
End at: 2018-01-01 22:08:54
Local clock offset: -0.928 ms
Remote clock offset: -1.161 ms

Below is generated by plot.py at 2018-01-02 05:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.25 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 201.25 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 0.07%

Run 2: Report of Indigo — Data Link

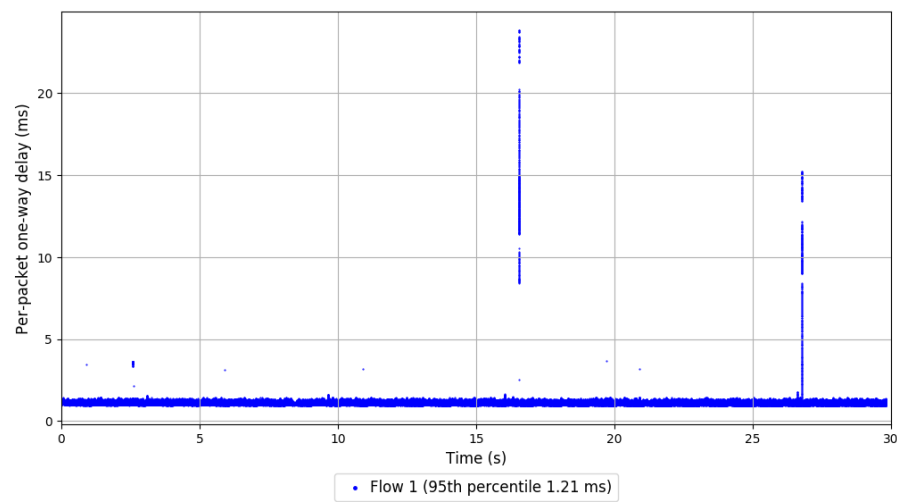
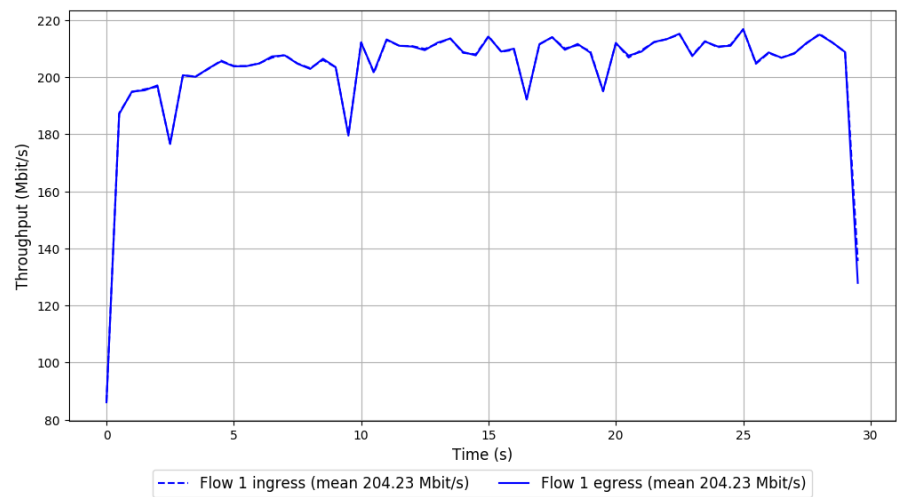


Run 3: Statistics of Indigo

Start at: 2018-01-01 22:28:54
End at: 2018-01-01 22:29:24
Local clock offset: -0.015 ms
Remote clock offset: -1.184 ms

Below is generated by plot.py at 2018-01-02 05:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.23 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 204.23 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.07%

Run 3: Report of Indigo — Data Link

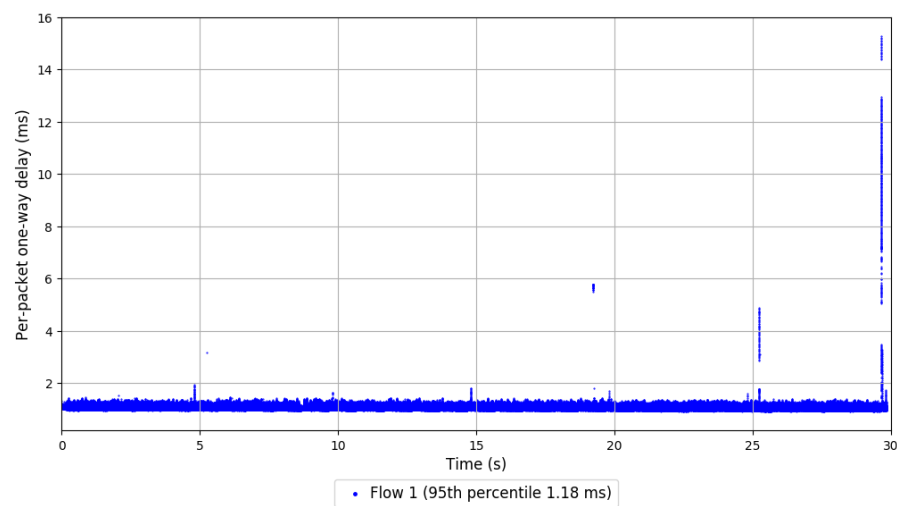
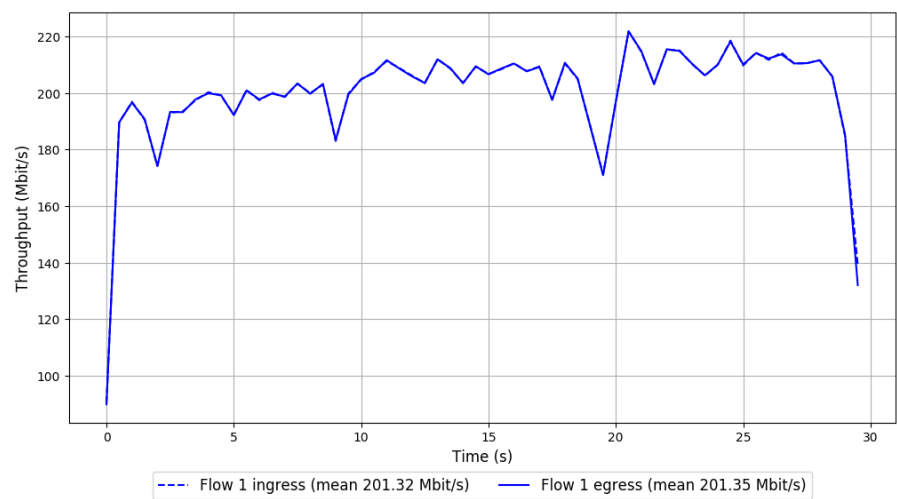


Run 4: Statistics of Indigo

Start at: 2018-01-01 22:49:54
End at: 2018-01-01 22:50:24
Local clock offset: 0.589 ms
Remote clock offset: -1.144 ms

Below is generated by plot.py at 2018-01-02 05:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.35 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 201.35 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.06%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-01 23:10:22

End at: 2018-01-01 23:10:52

Local clock offset: 0.533 ms

Remote clock offset: -1.27 ms

Below is generated by plot.py at 2018-01-02 05:56:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.03 Mbit/s

95th percentile per-packet one-way delay: 1.298 ms

Loss rate: 0.06%

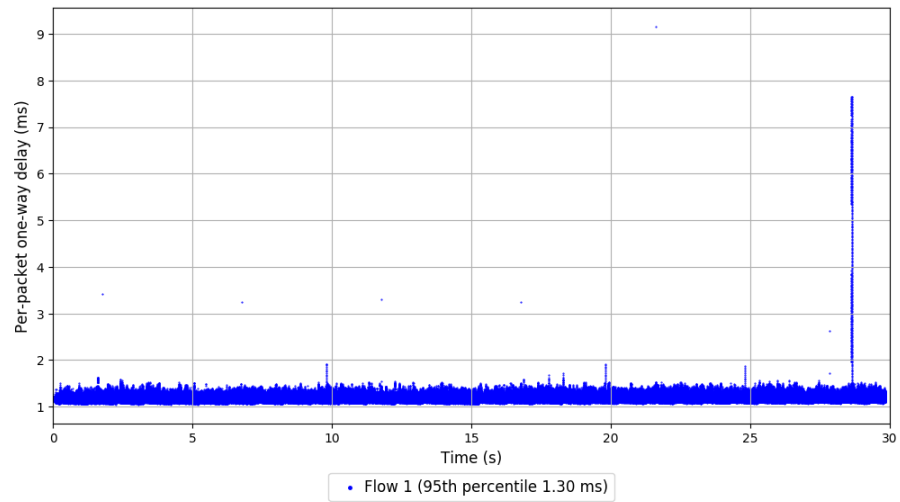
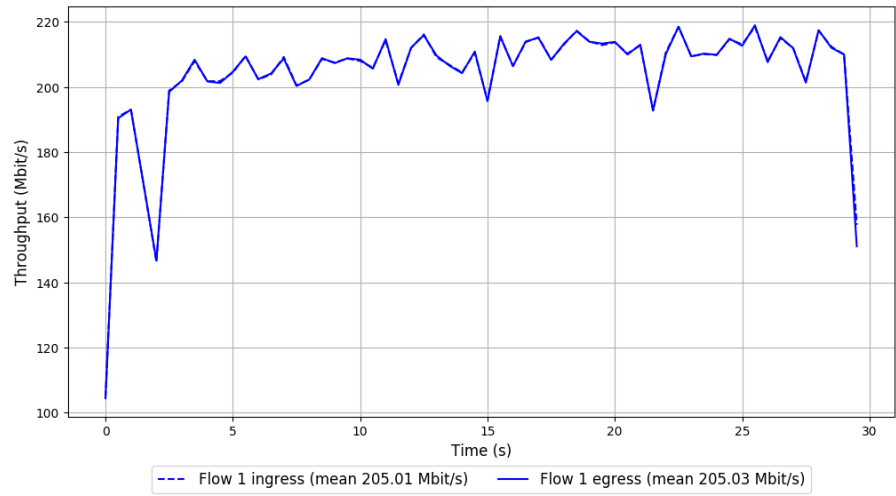
-- Flow 1:

Average throughput: 205.03 Mbit/s

95th percentile per-packet one-way delay: 1.298 ms

Loss rate: 0.06%

Run 5: Report of Indigo — Data Link

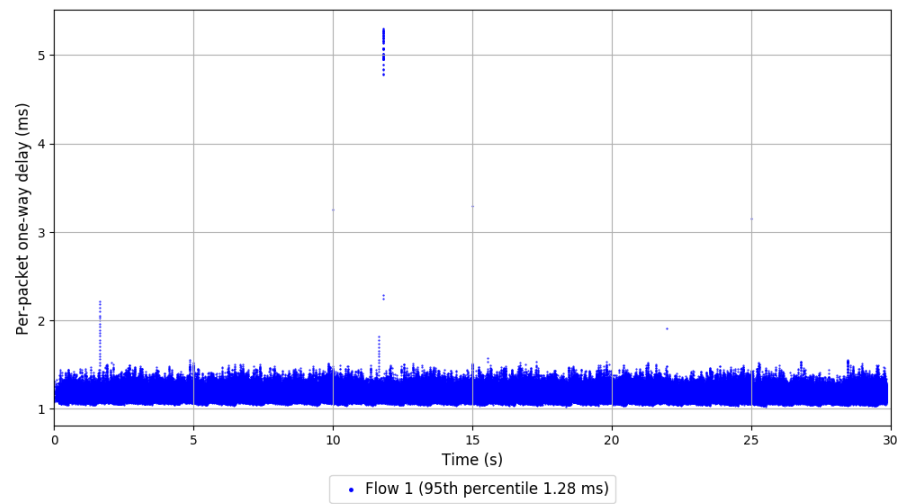
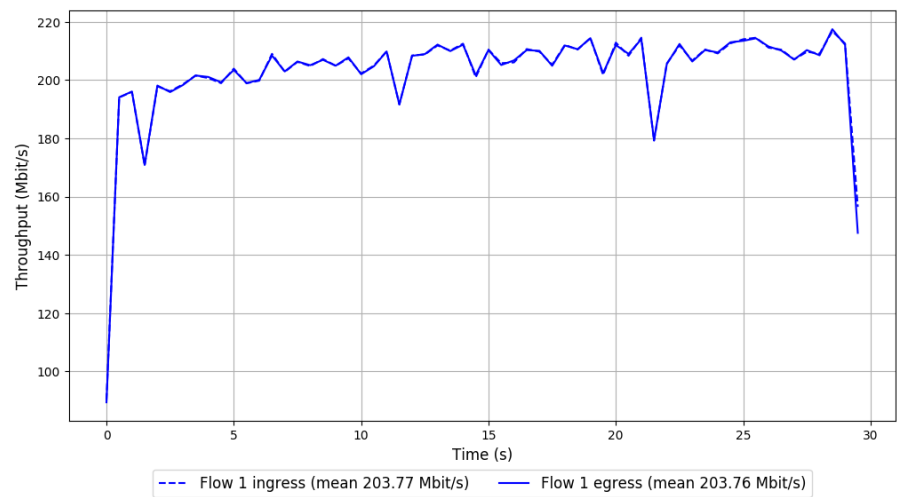


Run 6: Statistics of Indigo

Start at: 2018-01-01 23:31:02
End at: 2018-01-01 23:31:32
Local clock offset: 0.302 ms
Remote clock offset: -1.069 ms

Below is generated by plot.py at 2018-01-02 05:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.76 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 203.76 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.08%

Run 6: Report of Indigo — Data Link

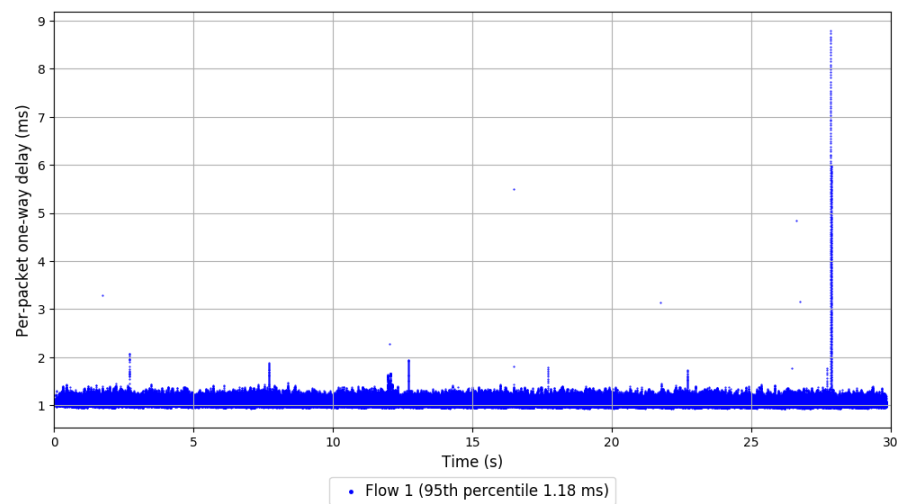
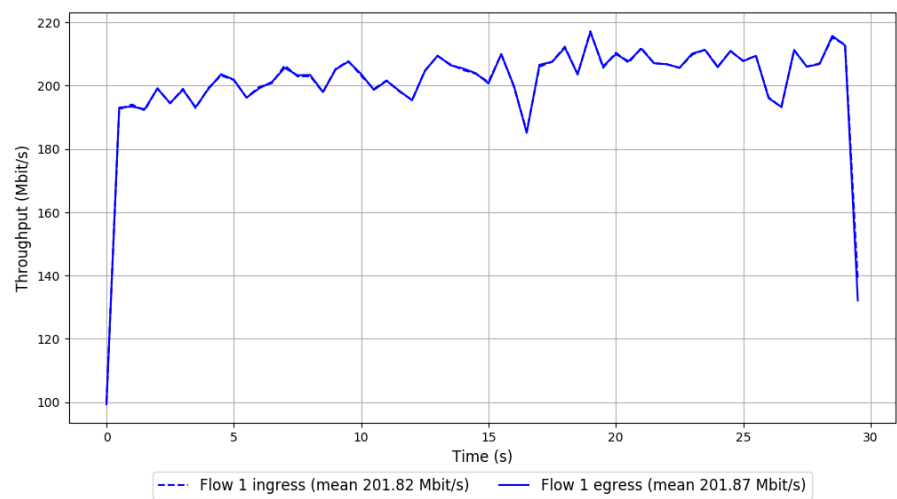


Run 7: Statistics of Indigo

Start at: 2018-01-01 23:51:37
End at: 2018-01-01 23:52:07
Local clock offset: 0.435 ms
Remote clock offset: -0.789 ms

Below is generated by plot.py at 2018-01-02 05:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.87 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 201.87 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.06%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-01-02 00:12:14

End at: 2018-01-02 00:12:44

Local clock offset: 0.543 ms

Remote clock offset: -0.62 ms

Below is generated by plot.py at 2018-01-02 05:56:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.93 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.08%

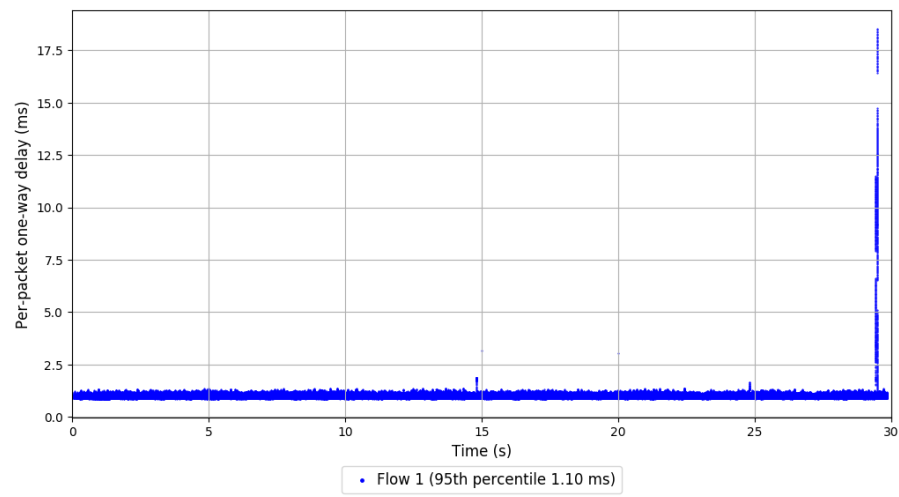
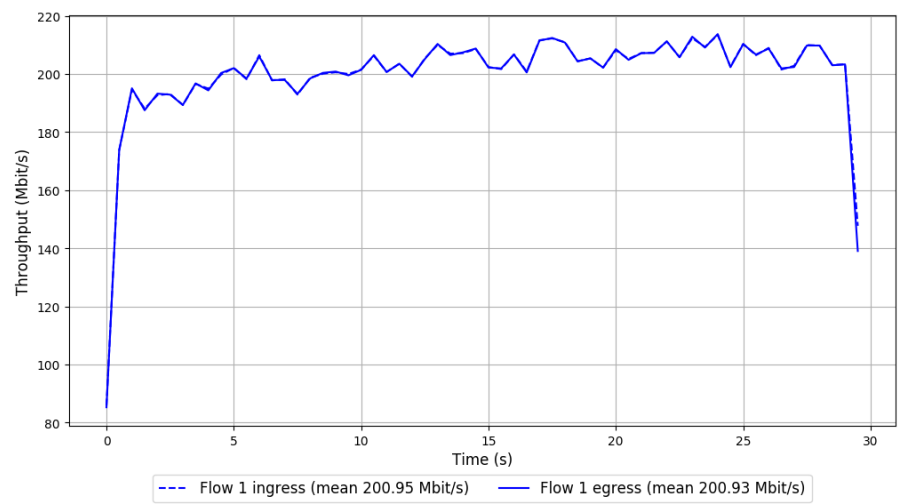
-- Flow 1:

Average throughput: 200.93 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.08%

Run 8: Report of Indigo — Data Link

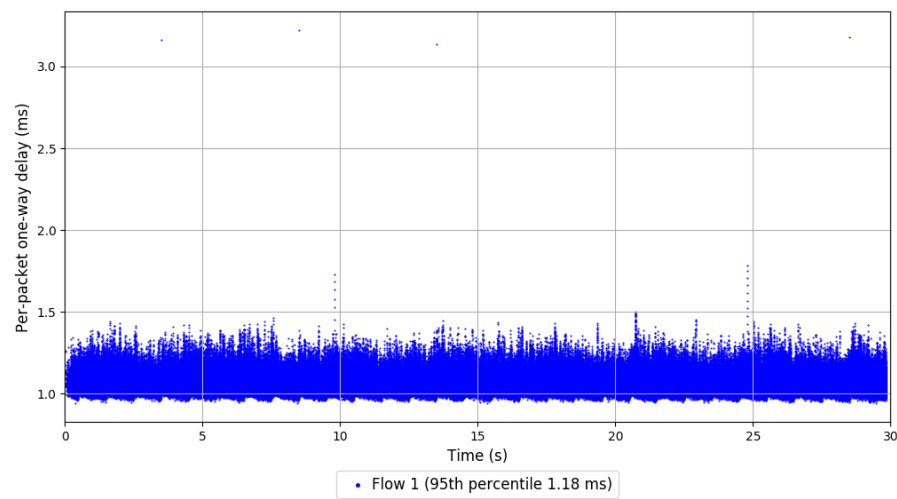
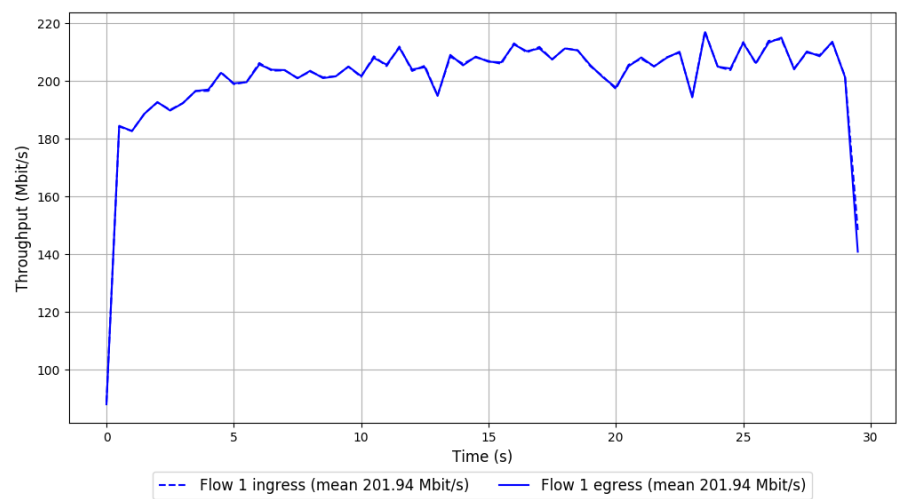


Run 9: Statistics of Indigo

Start at: 2018-01-02 00:33:20
End at: 2018-01-02 00:33:50
Local clock offset: 0.476 ms
Remote clock offset: -0.861 ms

Below is generated by plot.py at 2018-01-02 05:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.94 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 201.94 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.07%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-02 00:53:19
End at: 2018-01-02 00:53:49
Local clock offset: -0.025 ms
Remote clock offset: -0.869 ms

Below is generated by plot.py at 2018-01-02 05:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.26 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 202.26 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.08%

Run 10: Report of Indigo — Data Link

