

Pantheon Report

Generated at 2018-02-20 08:15:02 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

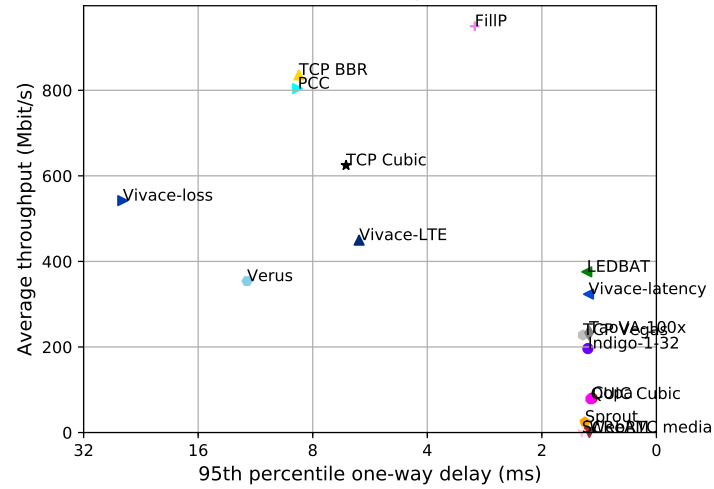
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

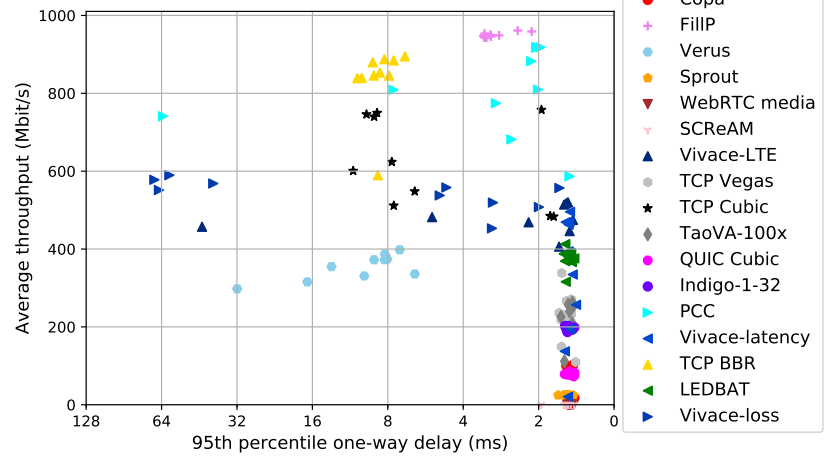
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from 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	835.91	8.70	0.25
TCP Cubic	10	624.56	6.54	0.06
LEDBAT	10	375.64	1.22	0.08
PCC	10	803.91	8.76	0.26
QUIC Cubic	10	78.50	1.15	0.06
SCReAM	10	0.22	1.30	0.12
WebRTC media	10	0.05	1.17	0.00
Sprout	10	24.72	1.25	0.04
TaoVA-100x	10	233.07	1.18	0.06
TCP Vegas	10	227.92	1.28	0.06
Verus	10	353.97	11.91	0.34
Copa	9	80.33	1.12	0.06
FillP	10	949.70	3.00	0.95
Indigo-1-32	10	196.35	1.20	0.07
Vivace-latency	10	323.49	1.19	0.08
Vivace-loss	10	542.01	25.25	0.32
Vivace-LTE	10	449.75	6.04	0.14

Run 1: Statistics of TCP BBR

Start at: 2018-02-19 21:25:17

End at: 2018-02-19 21:25:47

Local clock offset: 1.464 ms

Remote clock offset: -5.534 ms

Below is generated by plot.py at 2018-02-20 06:34:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 887.63 Mbit/s

95th percentile per-packet one-way delay: 8.256 ms

Loss rate: 0.09%

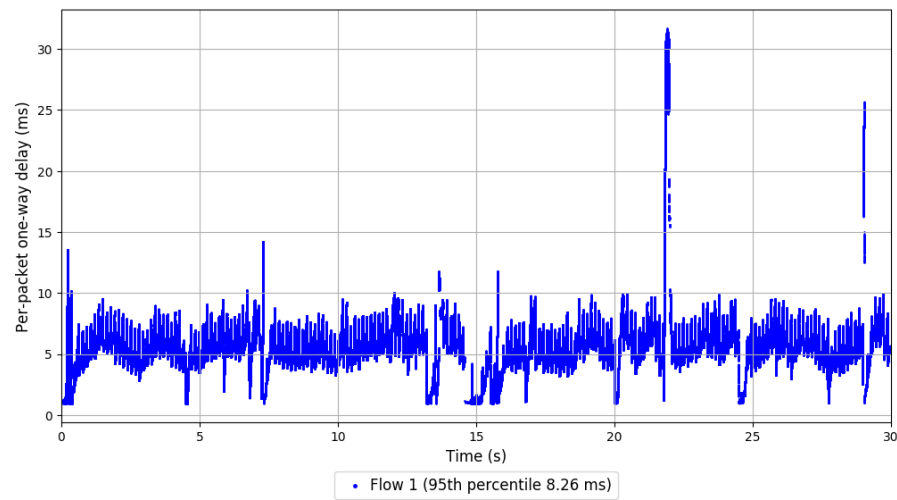
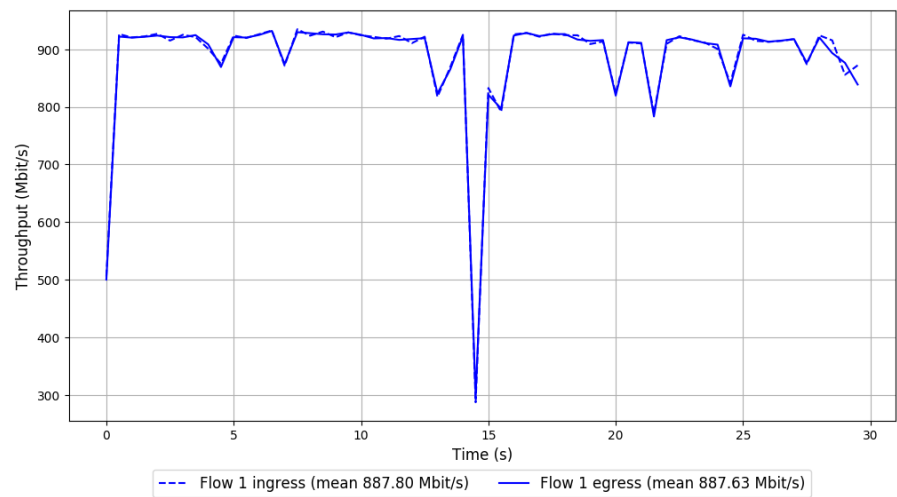
-- Flow 1:

Average throughput: 887.63 Mbit/s

95th percentile per-packet one-way delay: 8.256 ms

Loss rate: 0.09%

Run 1: Report of TCP BBR — Data Link

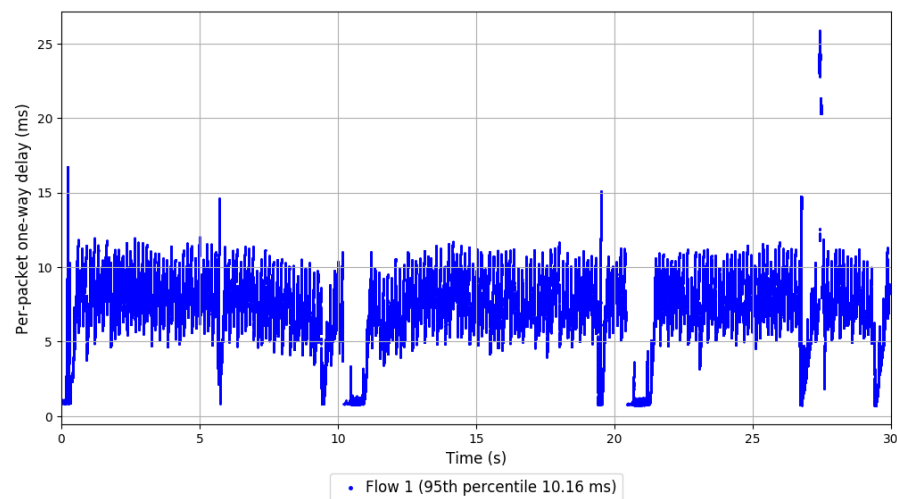
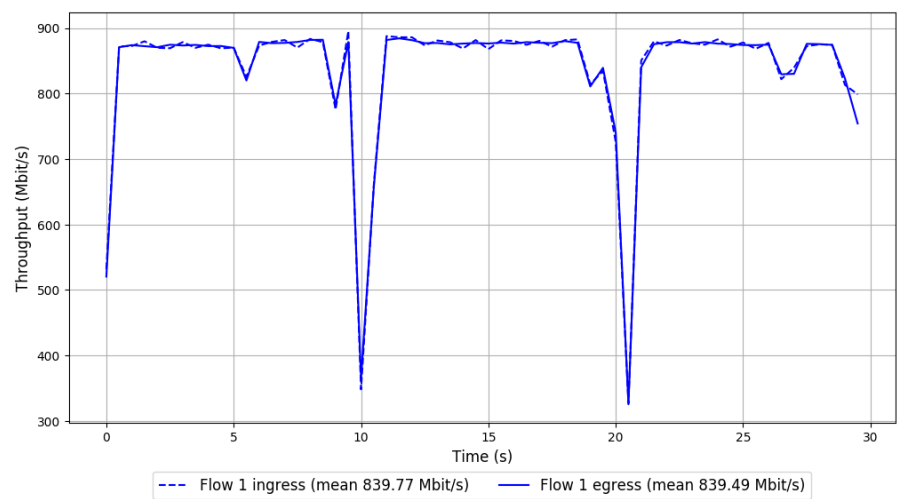


Run 2: Statistics of TCP BBR

Start at: 2018-02-19 21:53:01
End at: 2018-02-19 21:53:31
Local clock offset: 1.723 ms
Remote clock offset: -6.714 ms

Below is generated by plot.py at 2018-02-20 06:34:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 839.49 Mbit/s
95th percentile per-packet one-way delay: 10.159 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 839.49 Mbit/s
95th percentile per-packet one-way delay: 10.159 ms
Loss rate: 0.09%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-19 22:20:35

End at: 2018-02-19 22:21:05

Local clock offset: 5.179 ms

Remote clock offset: -4.414 ms

Below is generated by plot.py at 2018-02-20 06:34:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 884.42 Mbit/s

95th percentile per-packet one-way delay: 7.583 ms

Loss rate: 0.11%

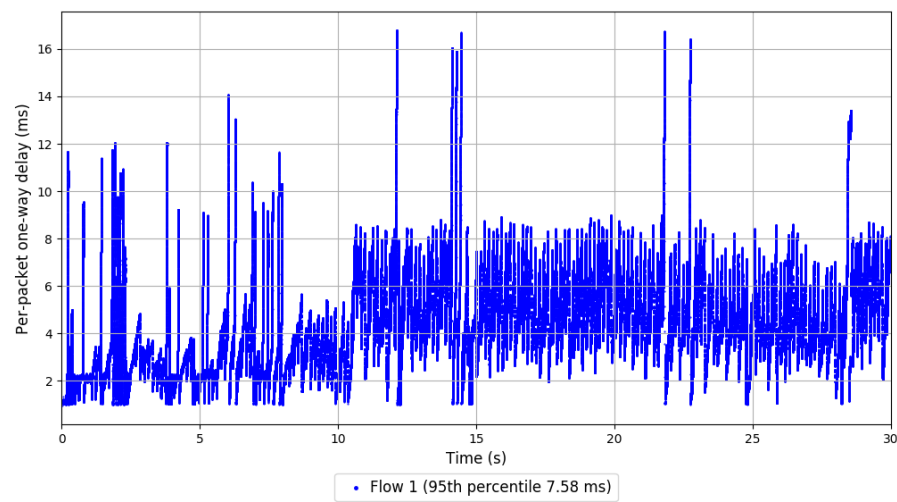
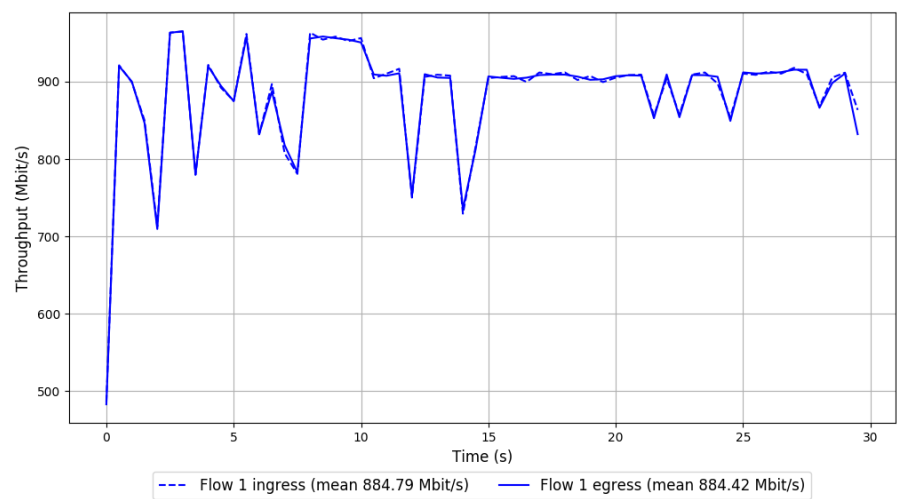
-- Flow 1:

Average throughput: 884.42 Mbit/s

95th percentile per-packet one-way delay: 7.583 ms

Loss rate: 0.11%

Run 3: Report of TCP BBR — Data Link

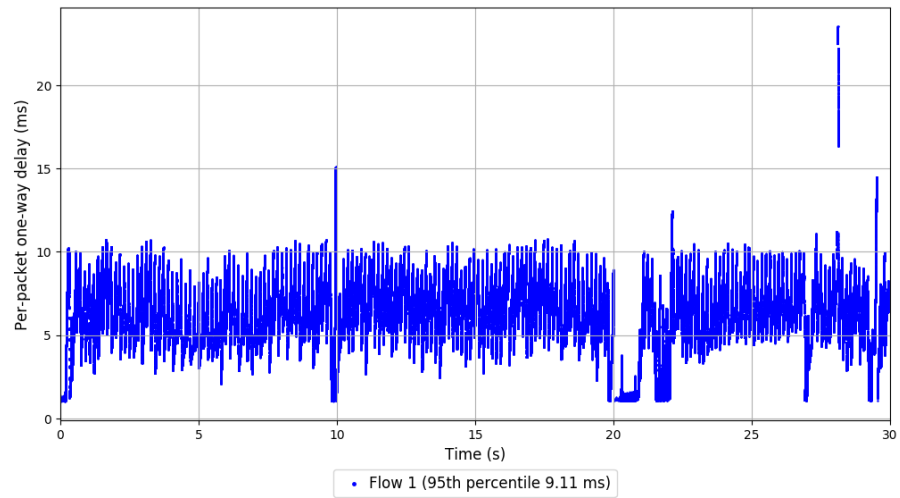
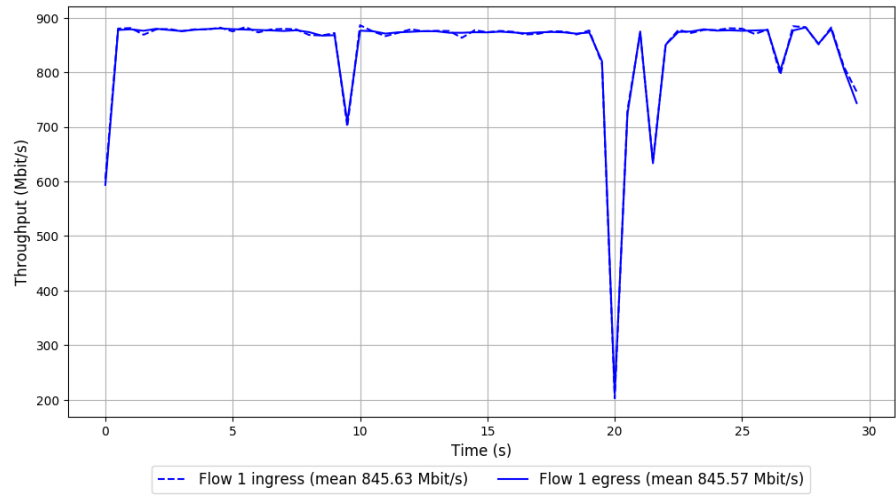


Run 4: Statistics of TCP BBR

Start at: 2018-02-19 22:48:00
End at: 2018-02-19 22:48:30
Local clock offset: 2.822 ms
Remote clock offset: -3.113 ms

Below is generated by plot.py at 2018-02-20 06:34:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 845.57 Mbit/s
95th percentile per-packet one-way delay: 9.105 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 845.57 Mbit/s
95th percentile per-packet one-way delay: 9.105 ms
Loss rate: 0.08%

Run 4: Report of TCP BBR — Data Link

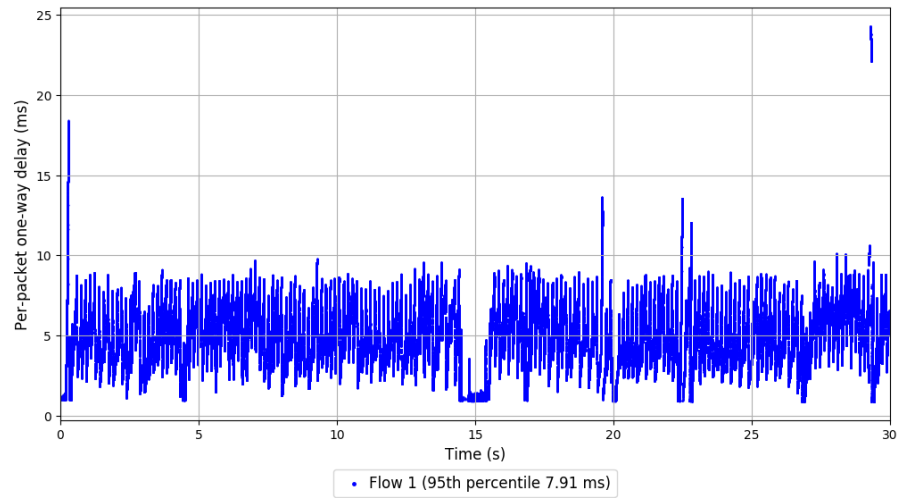
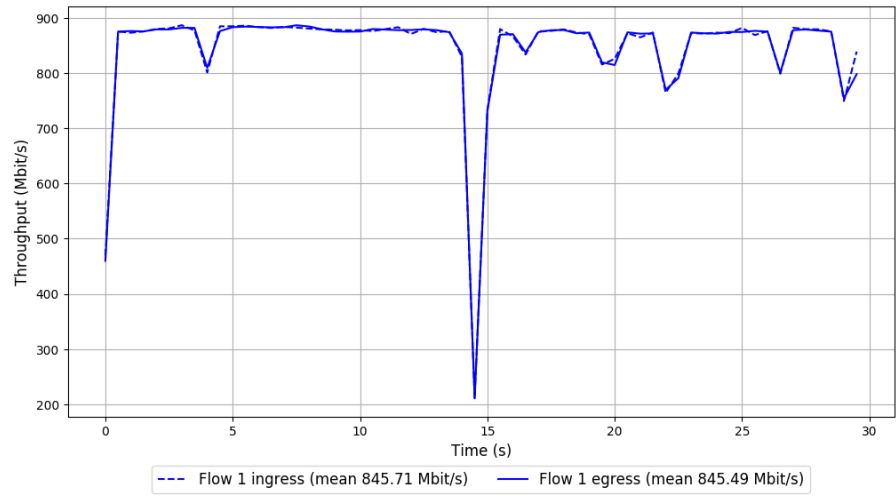


Run 5: Statistics of TCP BBR

Start at: 2018-02-19 23:15:25
End at: 2018-02-19 23:15:55
Local clock offset: 2.911 ms
Remote clock offset: -2.438 ms

Below is generated by plot.py at 2018-02-20 06:34:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 845.49 Mbit/s
95th percentile per-packet one-way delay: 7.907 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 845.49 Mbit/s
95th percentile per-packet one-way delay: 7.907 ms
Loss rate: 0.10%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-19 23:43:24

End at: 2018-02-19 23:43:54

Local clock offset: 2.838 ms

Remote clock offset: -4.351 ms

Below is generated by plot.py at 2018-02-20 06:34:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 894.95 Mbit/s

95th percentile per-packet one-way delay: 6.837 ms

Loss rate: 0.08%

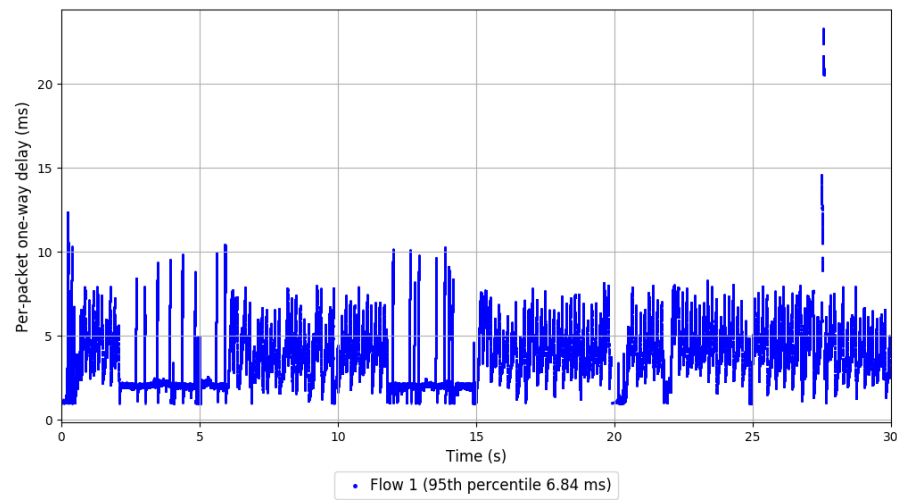
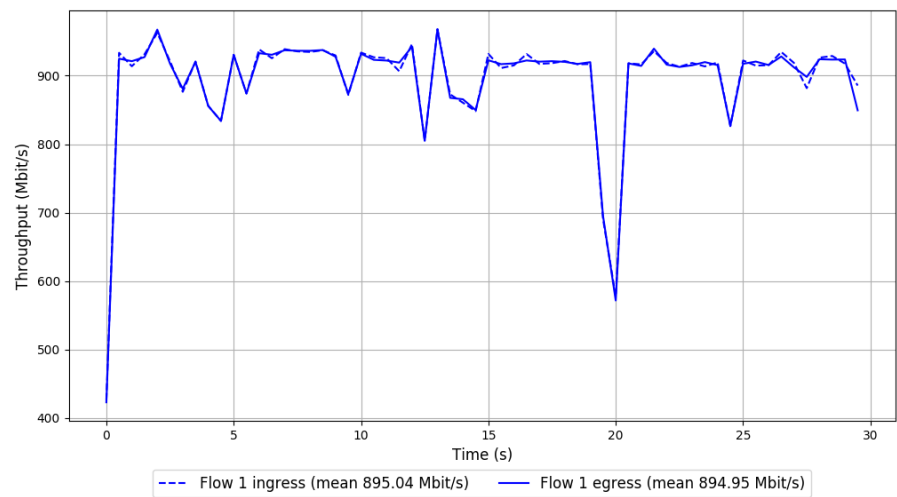
-- Flow 1:

Average throughput: 894.95 Mbit/s

95th percentile per-packet one-way delay: 6.837 ms

Loss rate: 0.08%

Run 6: Report of TCP BBR — Data Link

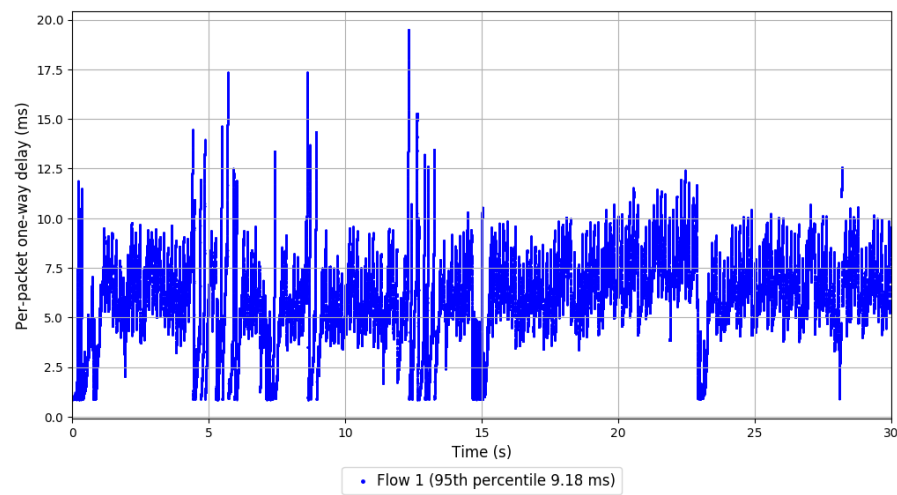
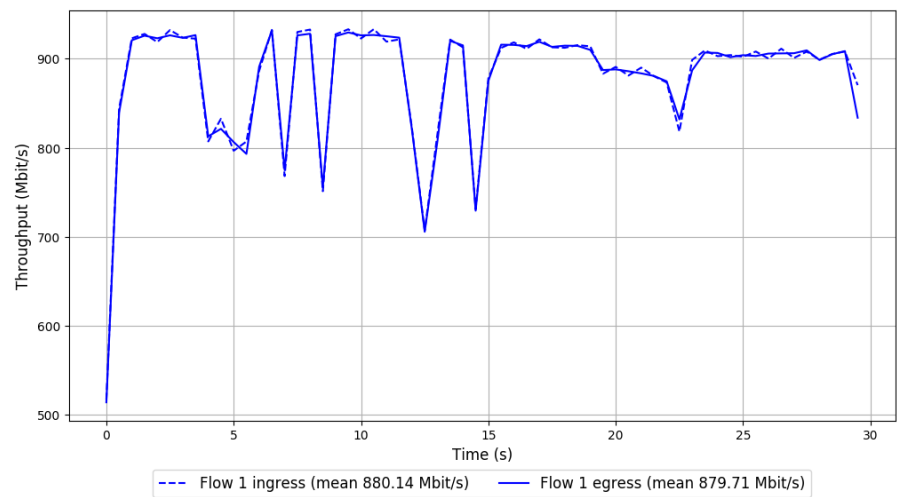


Run 7: Statistics of TCP BBR

Start at: 2018-02-20 00:11:25
End at: 2018-02-20 00:11:55
Local clock offset: 2.539 ms
Remote clock offset: -5.695 ms

Below is generated by plot.py at 2018-02-20 06:34:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 879.71 Mbit/s
95th percentile per-packet one-way delay: 9.184 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 879.71 Mbit/s
95th percentile per-packet one-way delay: 9.184 ms
Loss rate: 0.11%

Run 7: Report of TCP BBR — Data Link

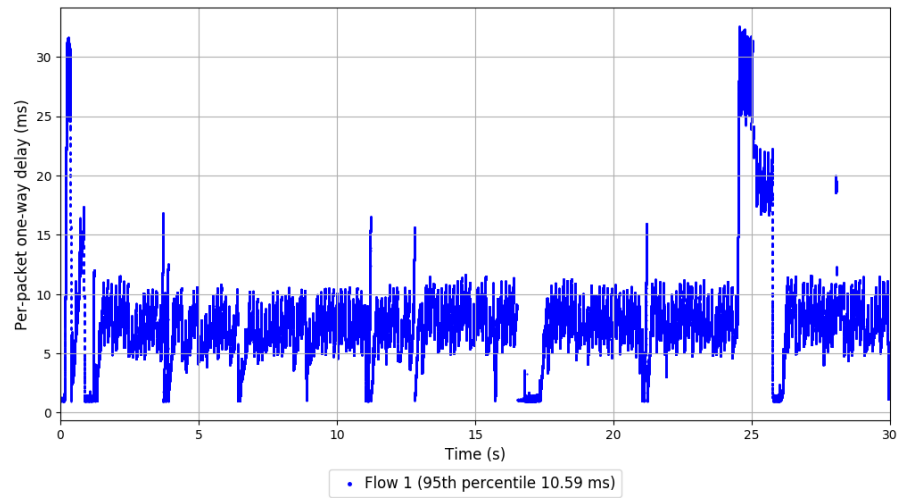
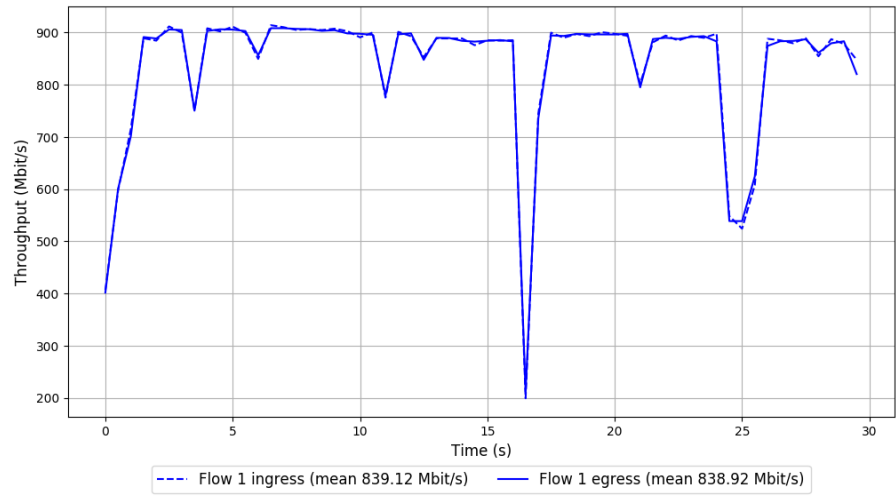


Run 8: Statistics of TCP BBR

Start at: 2018-02-20 00:38:37
End at: 2018-02-20 00:39:07
Local clock offset: 2.23 ms
Remote clock offset: -5.162 ms

Below is generated by plot.py at 2018-02-20 06:34:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 838.92 Mbit/s
95th percentile per-packet one-way delay: 10.589 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 838.92 Mbit/s
95th percentile per-packet one-way delay: 10.589 ms
Loss rate: 0.09%

Run 8: Report of TCP BBR — Data Link

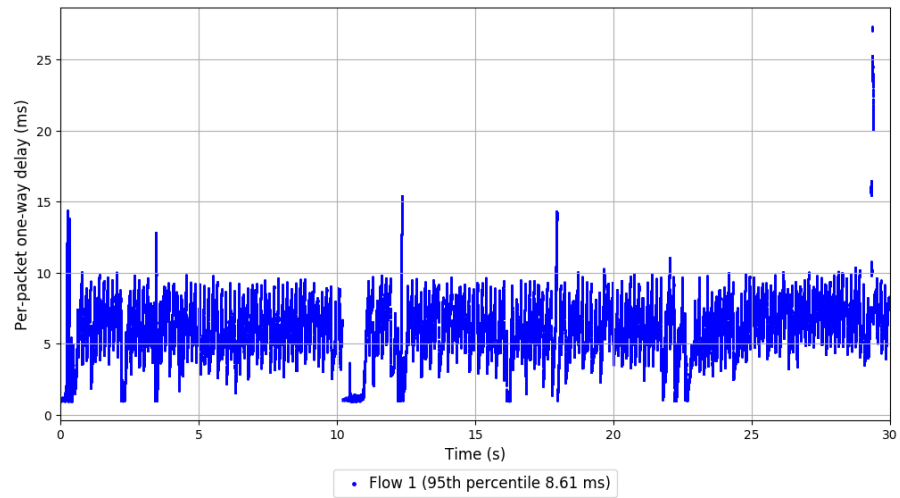
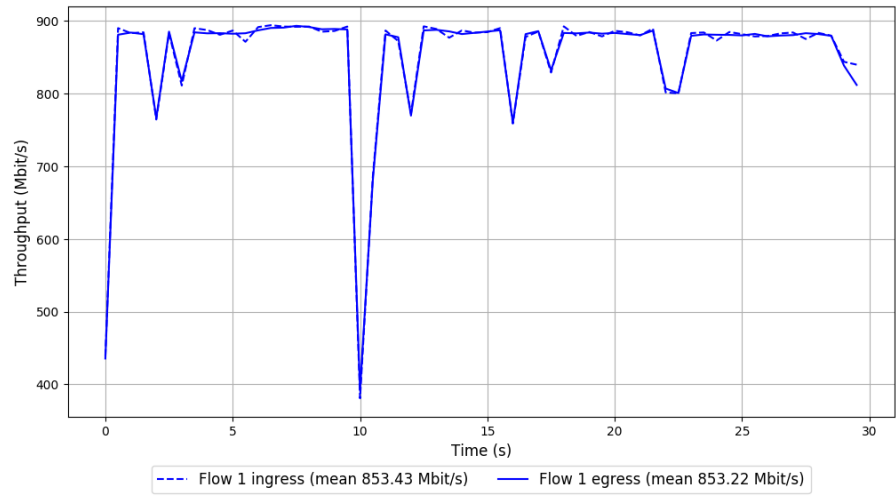


Run 9: Statistics of TCP BBR

Start at: 2018-02-20 01:05:45
End at: 2018-02-20 01:06:15
Local clock offset: 0.761 ms
Remote clock offset: -4.692 ms

Below is generated by plot.py at 2018-02-20 06:44:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 853.22 Mbit/s
95th percentile per-packet one-way delay: 8.609 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 853.22 Mbit/s
95th percentile per-packet one-way delay: 8.609 ms
Loss rate: 0.09%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-20 01:33:27

End at: 2018-02-20 01:33:57

Local clock offset: 1.462 ms

Remote clock offset: -4.165 ms

Below is generated by plot.py at 2018-02-20 06:44:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 589.66 Mbit/s

95th percentile per-packet one-way delay: 8.768 ms

Loss rate: 1.61%

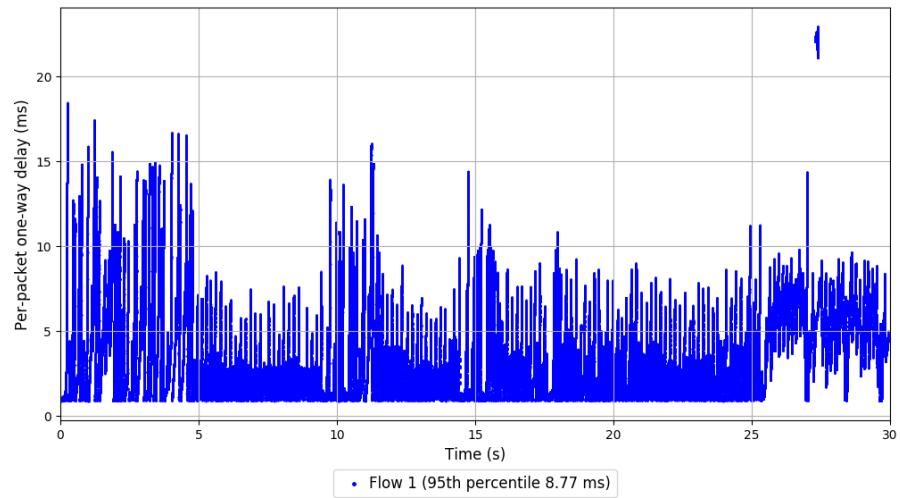
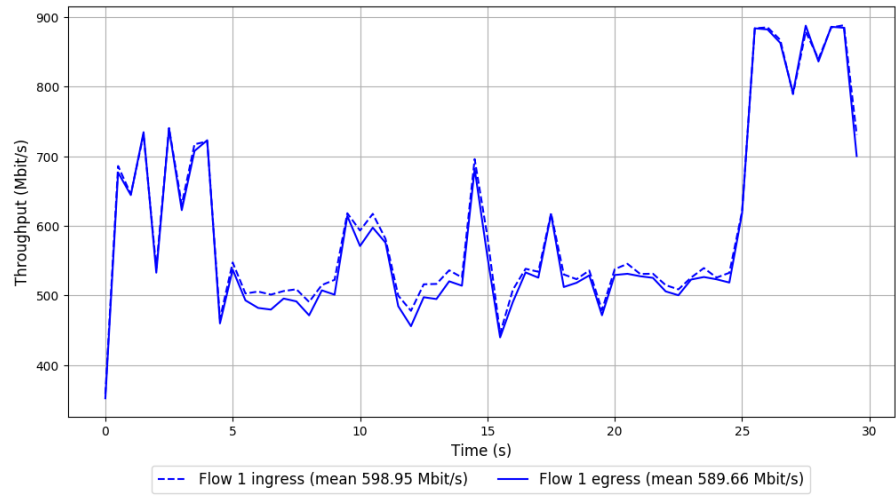
-- Flow 1:

Average throughput: 589.66 Mbit/s

95th percentile per-packet one-way delay: 8.768 ms

Loss rate: 1.61%

Run 10: Report of TCP BBR — Data Link

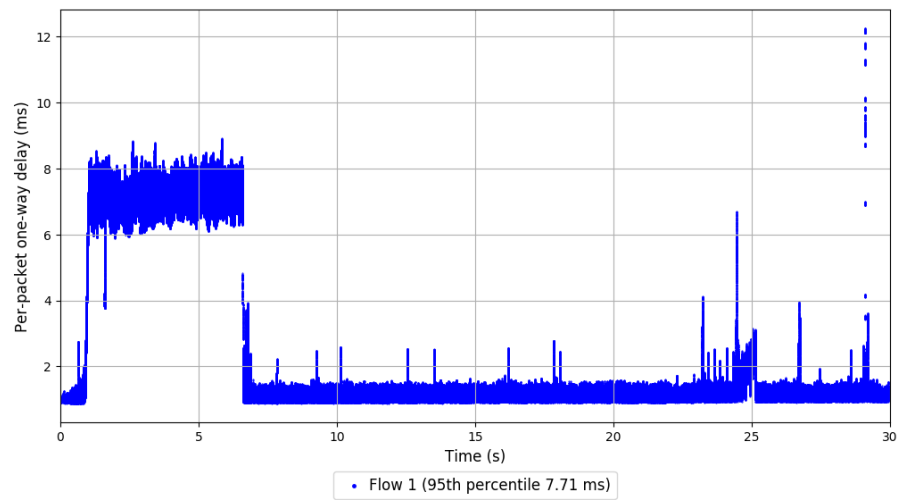
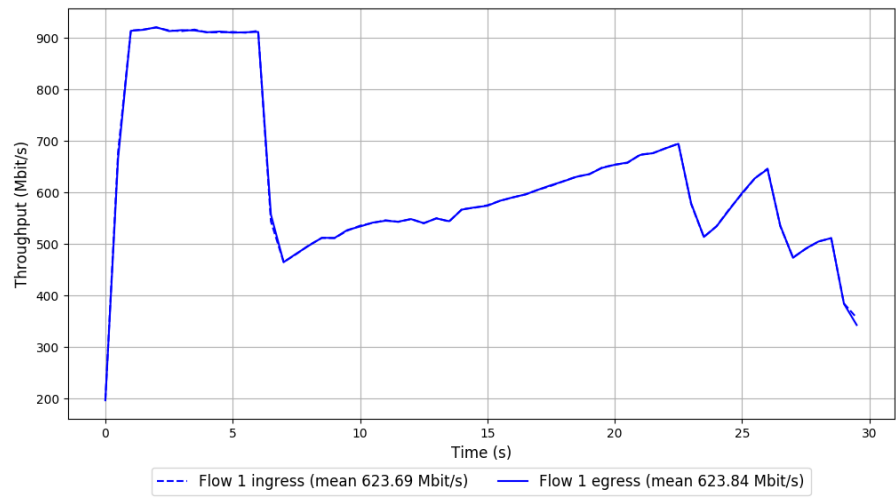


Run 1: Statistics of TCP Cubic

Start at: 2018-02-19 21:18:45
End at: 2018-02-19 21:19:15
Local clock offset: 1.864 ms
Remote clock offset: -5.648 ms

Below is generated by plot.py at 2018-02-20 06:44:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 623.84 Mbit/s
95th percentile per-packet one-way delay: 7.713 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 623.84 Mbit/s
95th percentile per-packet one-way delay: 7.713 ms
Loss rate: 0.04%

Run 1: Report of TCP Cubic — Data Link

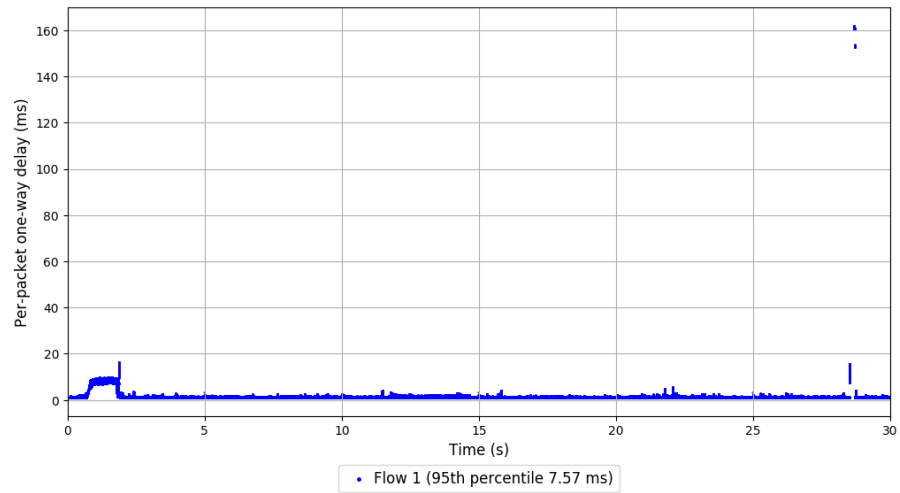
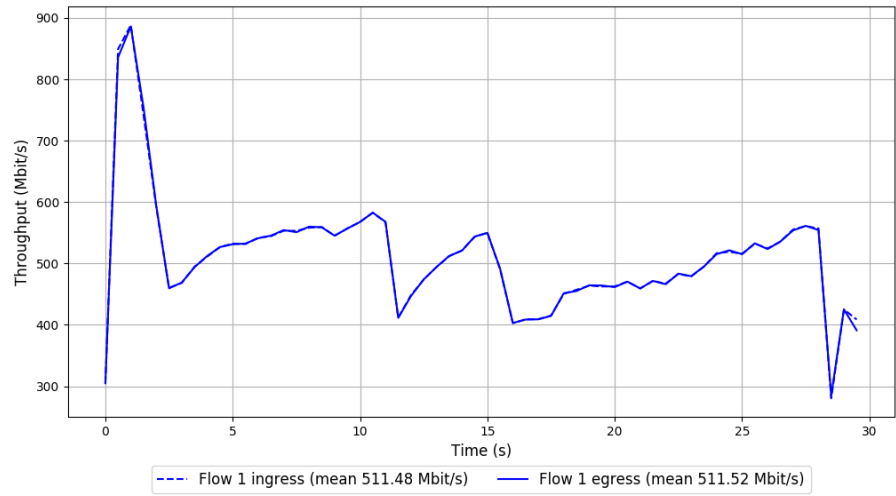


Run 2: Statistics of TCP Cubic

Start at: 2018-02-19 21:46:38
End at: 2018-02-19 21:47:08
Local clock offset: 1.057 ms
Remote clock offset: -6.521 ms

Below is generated by plot.py at 2018-02-20 06:44:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 511.52 Mbit/s
95th percentile per-packet one-way delay: 7.574 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 511.52 Mbit/s
95th percentile per-packet one-way delay: 7.574 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link

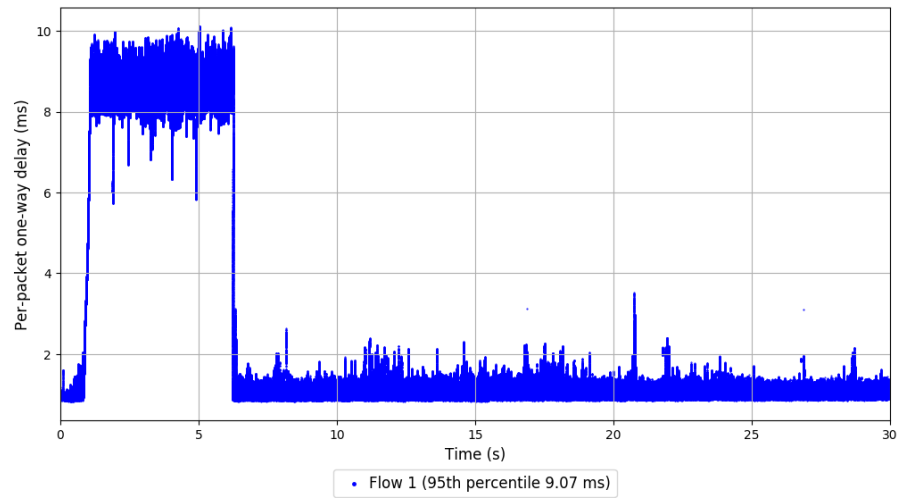
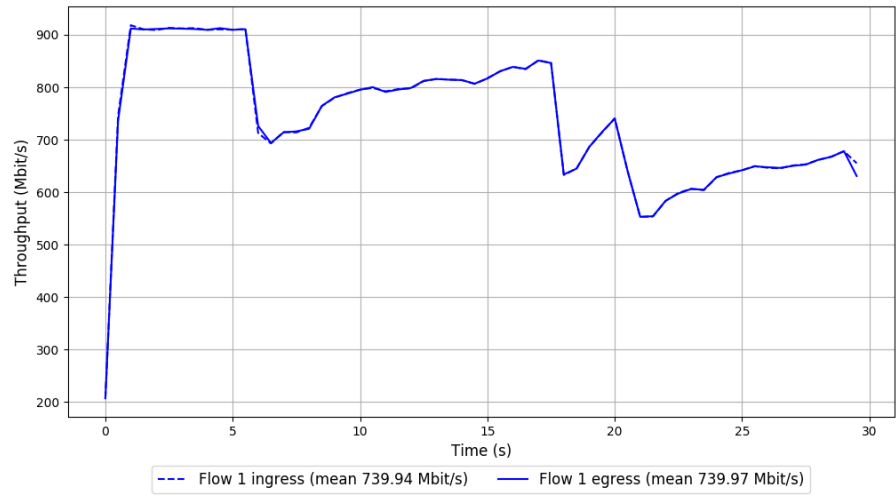


Run 3: Statistics of TCP Cubic

Start at: 2018-02-19 22:14:02
End at: 2018-02-19 22:14:32
Local clock offset: 4.689 ms
Remote clock offset: -5.065 ms

Below is generated by plot.py at 2018-02-20 06:44:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 739.97 Mbit/s
95th percentile per-packet one-way delay: 9.073 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 739.97 Mbit/s
95th percentile per-packet one-way delay: 9.073 ms
Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link

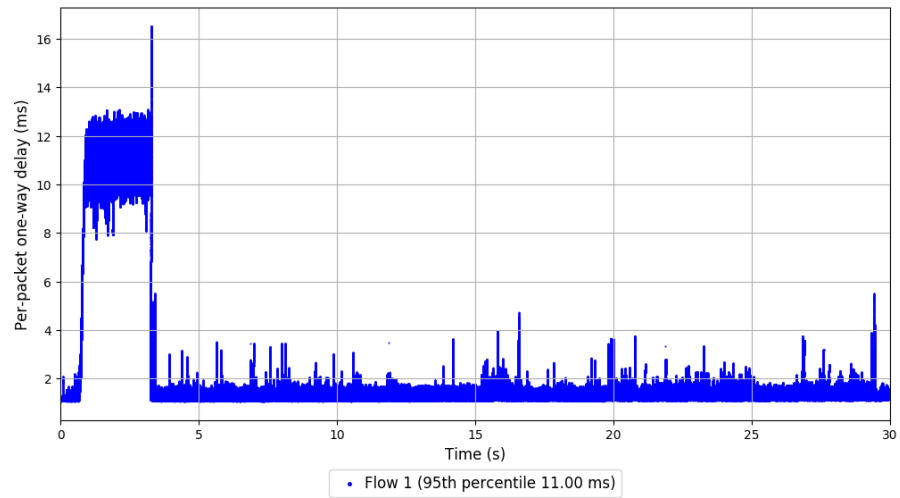
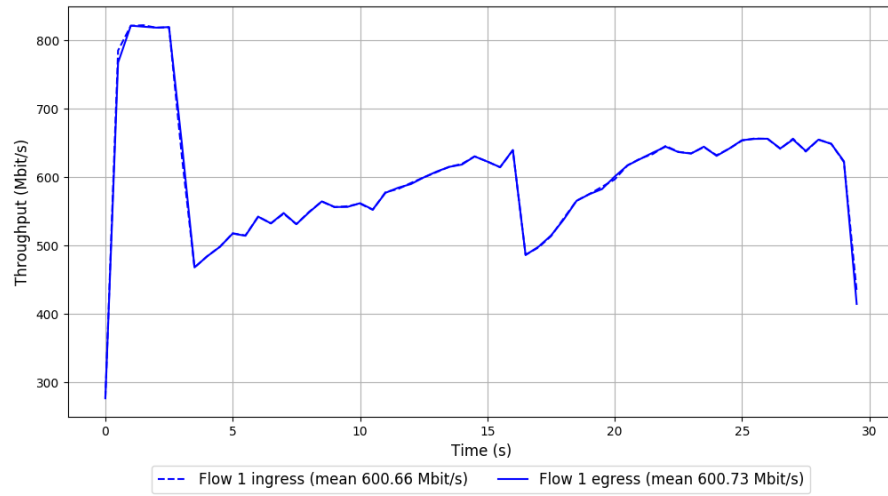


Run 4: Statistics of TCP Cubic

Start at: 2018-02-19 22:41:32
End at: 2018-02-19 22:42:02
Local clock offset: 3.051 ms
Remote clock offset: -3.346 ms

Below is generated by plot.py at 2018-02-20 06:44:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 600.73 Mbit/s
95th percentile per-packet one-way delay: 11.001 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 600.73 Mbit/s
95th percentile per-packet one-way delay: 11.001 ms
Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link

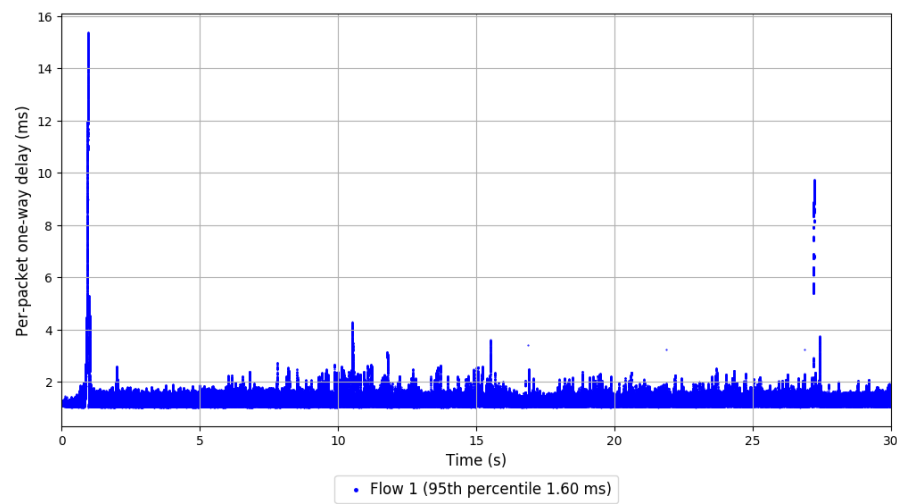
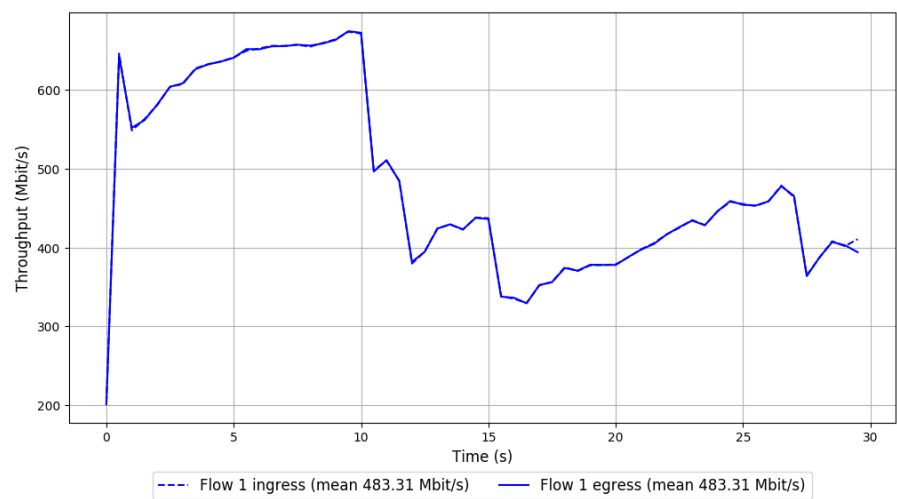


Run 5: Statistics of TCP Cubic

Start at: 2018-02-19 23:09:06
End at: 2018-02-19 23:09:36
Local clock offset: 2.881 ms
Remote clock offset: -2.345 ms

Below is generated by plot.py at 2018-02-20 06:44:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 483.31 Mbit/s
95th percentile per-packet one-way delay: 1.602 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 483.31 Mbit/s
95th percentile per-packet one-way delay: 1.602 ms
Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link

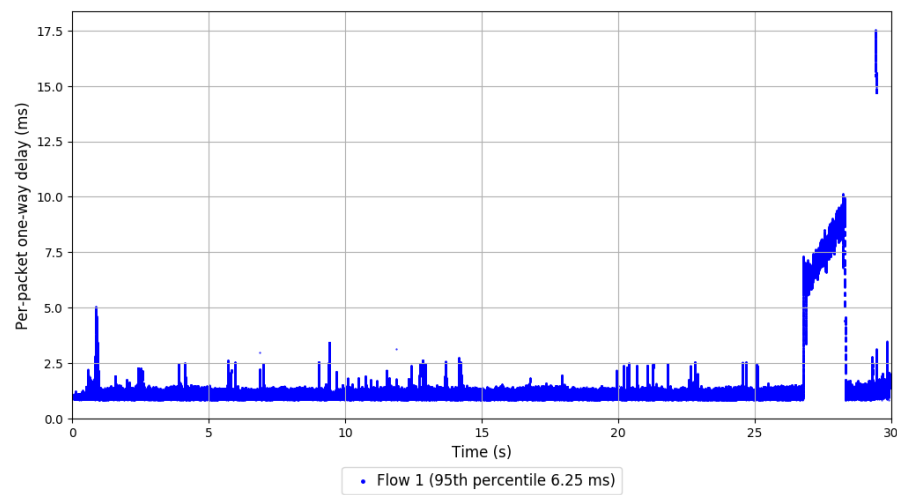
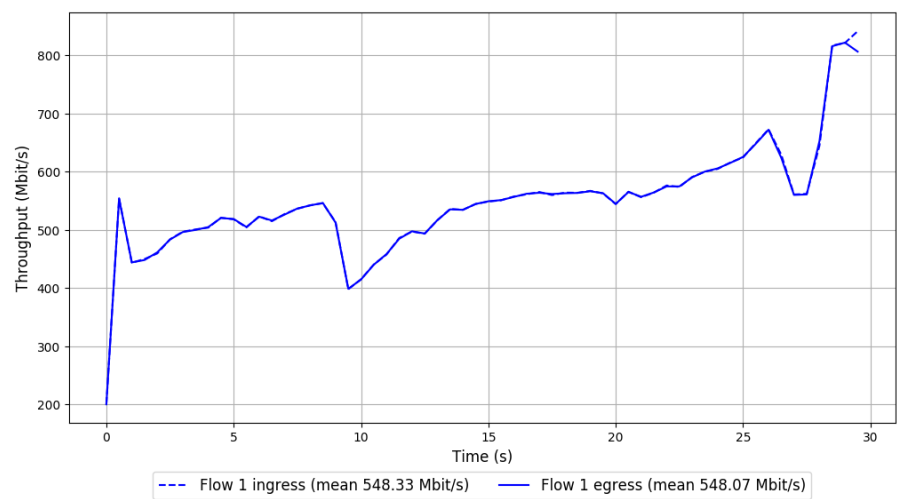


Run 6: Statistics of TCP Cubic

Start at: 2018-02-19 23:36:56
End at: 2018-02-19 23:37:26
Local clock offset: 2.858 ms
Remote clock offset: -4.204 ms

Below is generated by plot.py at 2018-02-20 06:44:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 548.07 Mbit/s
95th percentile per-packet one-way delay: 6.248 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 548.07 Mbit/s
95th percentile per-packet one-way delay: 6.248 ms
Loss rate: 0.11%

Run 6: Report of TCP Cubic — Data Link

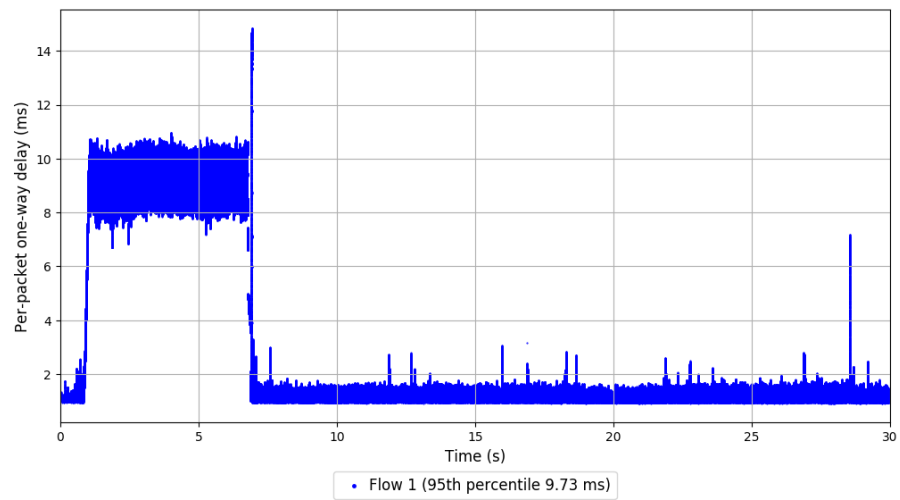
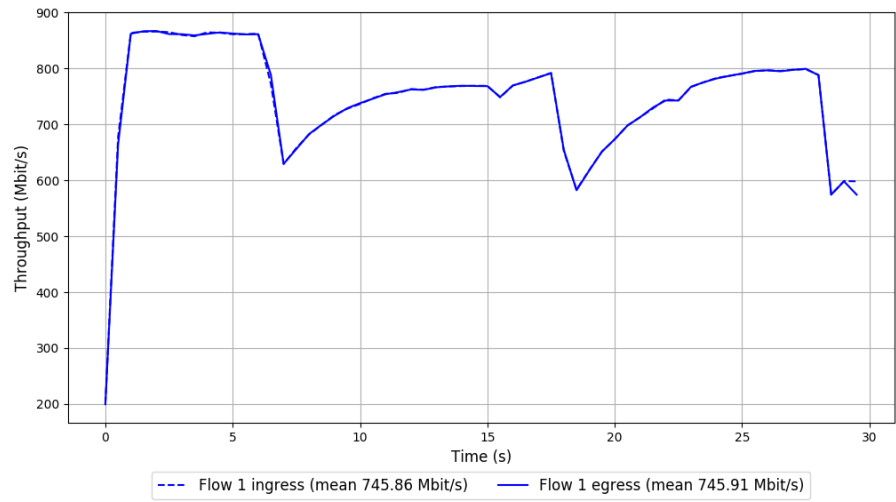


Run 7: Statistics of TCP Cubic

Start at: 2018-02-20 00:04:50
End at: 2018-02-20 00:05:20
Local clock offset: 2.764 ms
Remote clock offset: -5.514 ms

Below is generated by plot.py at 2018-02-20 06:50:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 745.91 Mbit/s
95th percentile per-packet one-way delay: 9.733 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 745.91 Mbit/s
95th percentile per-packet one-way delay: 9.733 ms
Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link

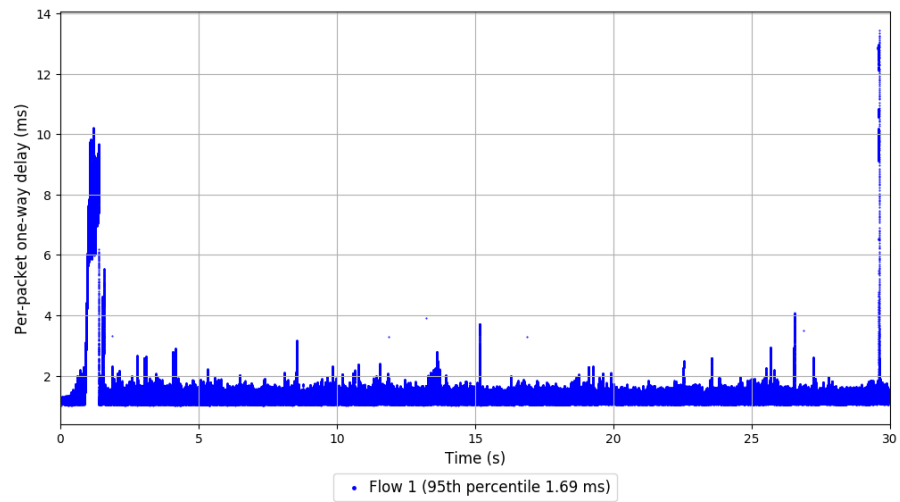
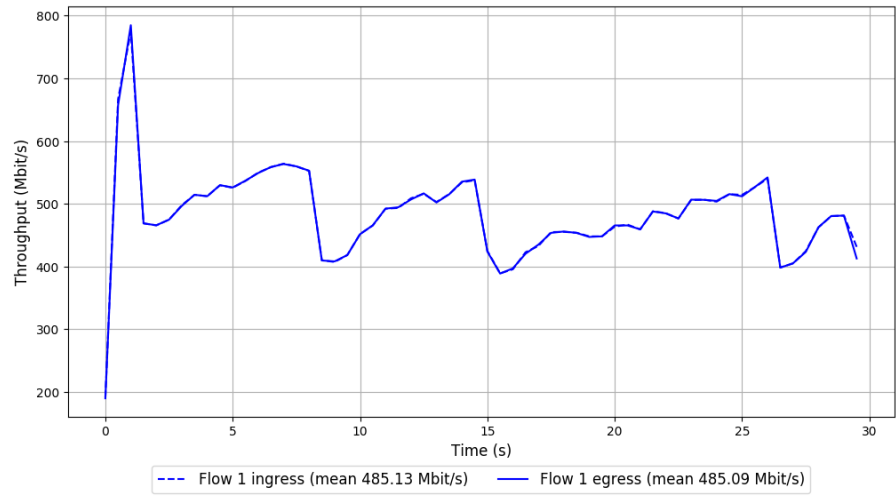


Run 8: Statistics of TCP Cubic

Start at: 2018-02-20 00:32:25
End at: 2018-02-20 00:32:55
Local clock offset: 2.262 ms
Remote clock offset: -5.383 ms

Below is generated by plot.py at 2018-02-20 06:50:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 485.09 Mbit/s
95th percentile per-packet one-way delay: 1.693 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 485.09 Mbit/s
95th percentile per-packet one-way delay: 1.693 ms
Loss rate: 0.07%

Run 8: Report of TCP Cubic — Data Link

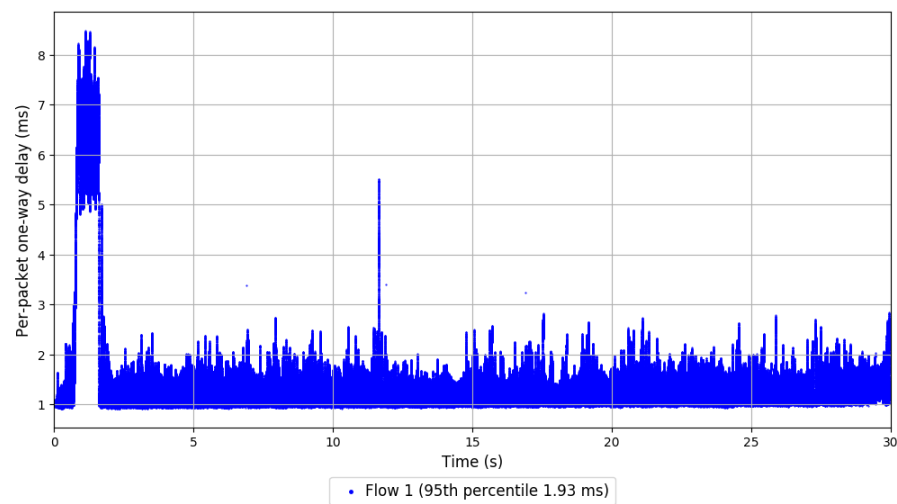
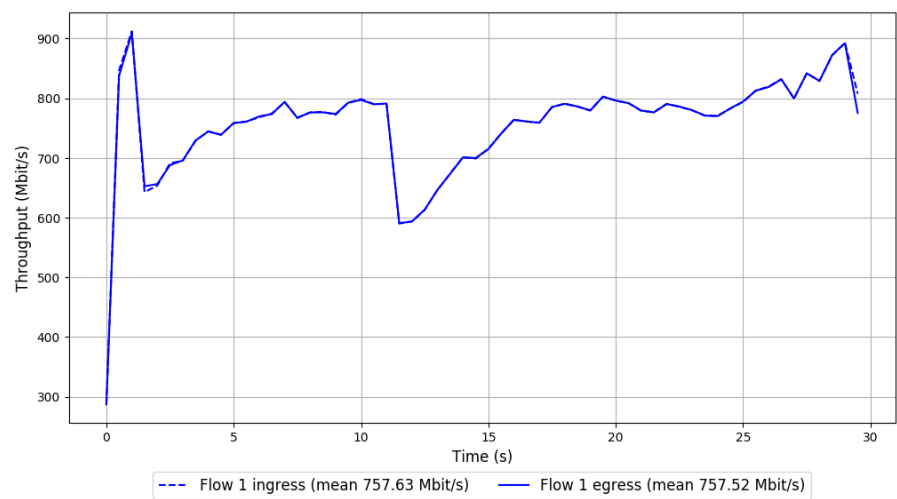


Run 9: Statistics of TCP Cubic

Start at: 2018-02-20 00:59:16
End at: 2018-02-20 00:59:46
Local clock offset: 0.968 ms
Remote clock offset: -4.958 ms

Below is generated by plot.py at 2018-02-20 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 757.52 Mbit/s
95th percentile per-packet one-way delay: 1.926 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 757.52 Mbit/s
95th percentile per-packet one-way delay: 1.926 ms
Loss rate: 0.08%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-20 01:26:52

End at: 2018-02-20 01:27:22

Local clock offset: 1.389 ms

Remote clock offset: -4.371 ms

Below is generated by plot.py at 2018-02-20 06:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 749.65 Mbit/s

95th percentile per-packet one-way delay: 8.830 ms

Loss rate: 0.04%

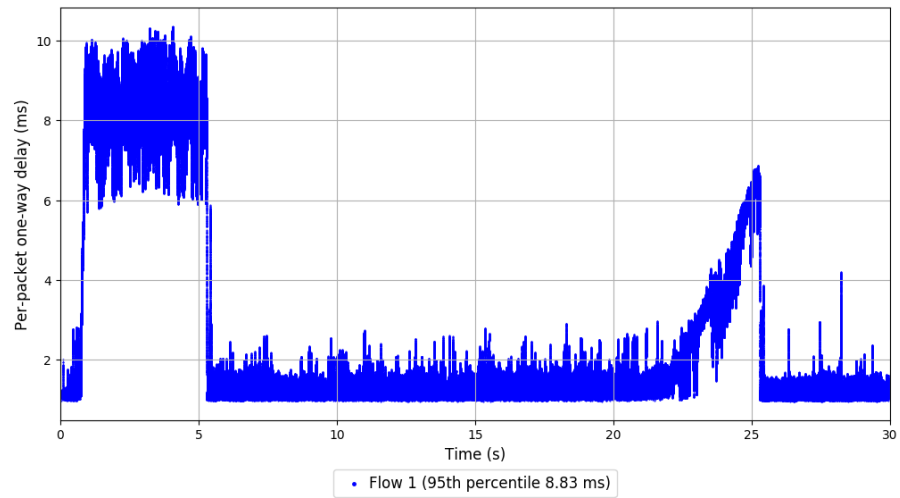
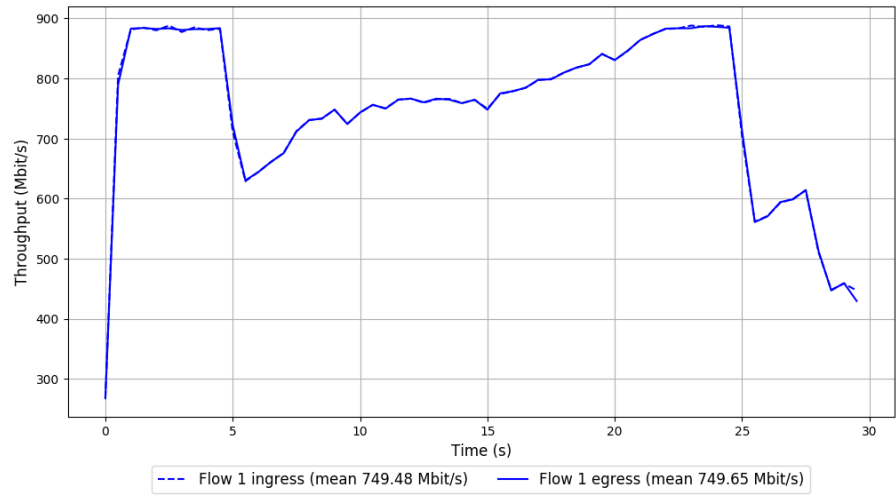
-- Flow 1:

Average throughput: 749.65 Mbit/s

95th percentile per-packet one-way delay: 8.830 ms

Loss rate: 0.04%

Run 10: Report of TCP Cubic — Data Link

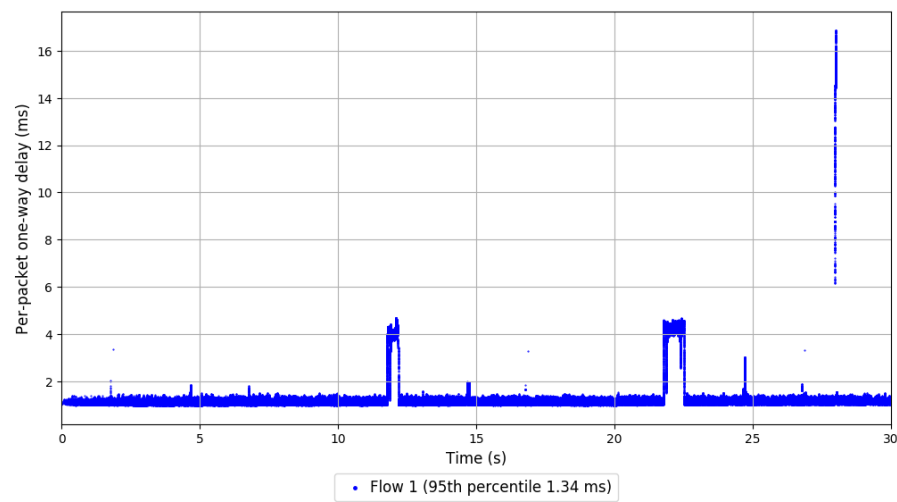
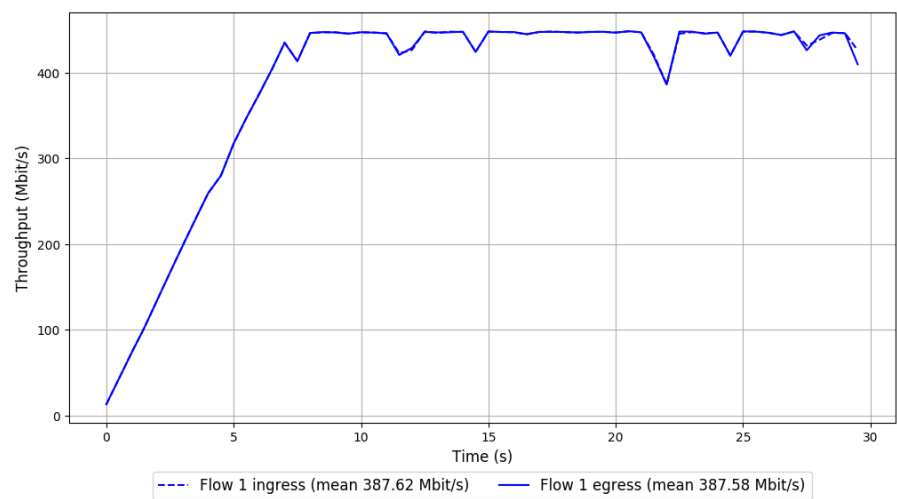


Run 1: Statistics of LEDBAT

Start at: 2018-02-19 21:27:06
End at: 2018-02-19 21:27:36
Local clock offset: 1.486 ms
Remote clock offset: -5.414 ms

Below is generated by plot.py at 2018-02-20 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.58 Mbit/s
95th percentile per-packet one-way delay: 1.338 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 387.58 Mbit/s
95th percentile per-packet one-way delay: 1.338 ms
Loss rate: 0.08%

Run 1: Report of LEDBAT — Data Link

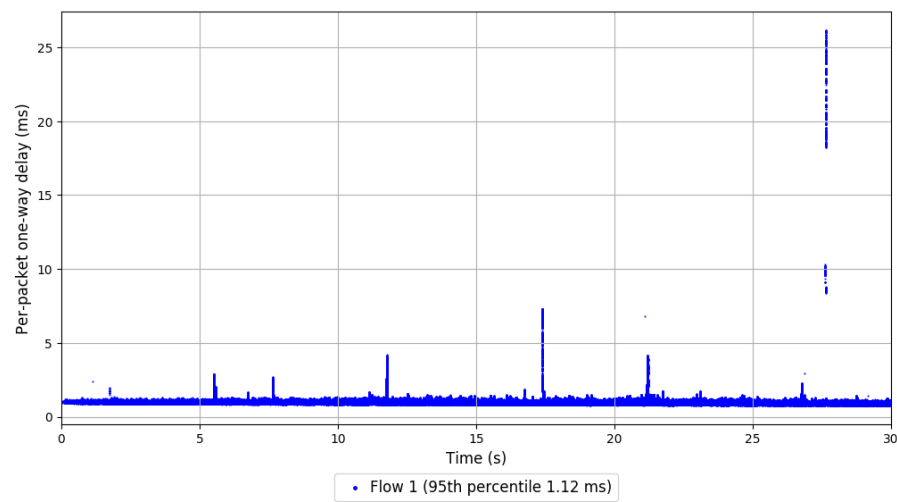
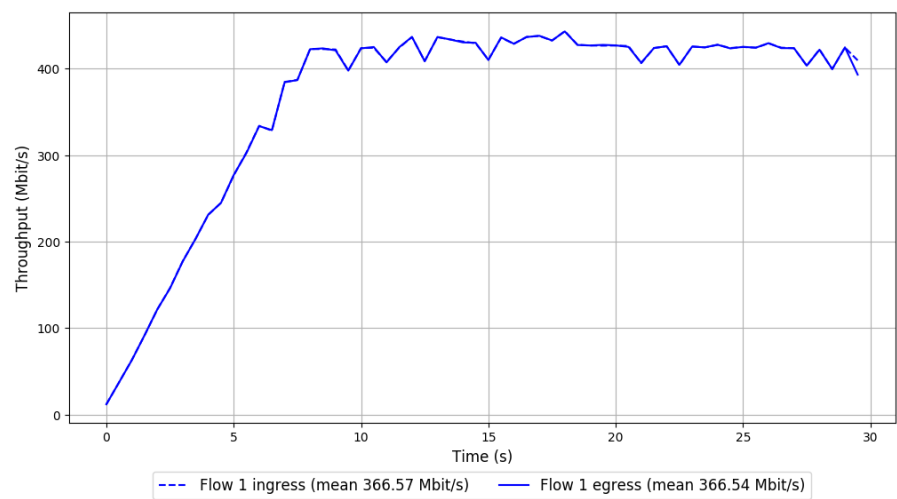


Run 2: Statistics of LEDBAT

Start at: 2018-02-19 21:54:49
End at: 2018-02-19 21:55:19
Local clock offset: 2.289 ms
Remote clock offset: -6.719 ms

Below is generated by plot.py at 2018-02-20 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 366.54 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 366.54 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.08%

Run 2: Report of LEDBAT — Data Link

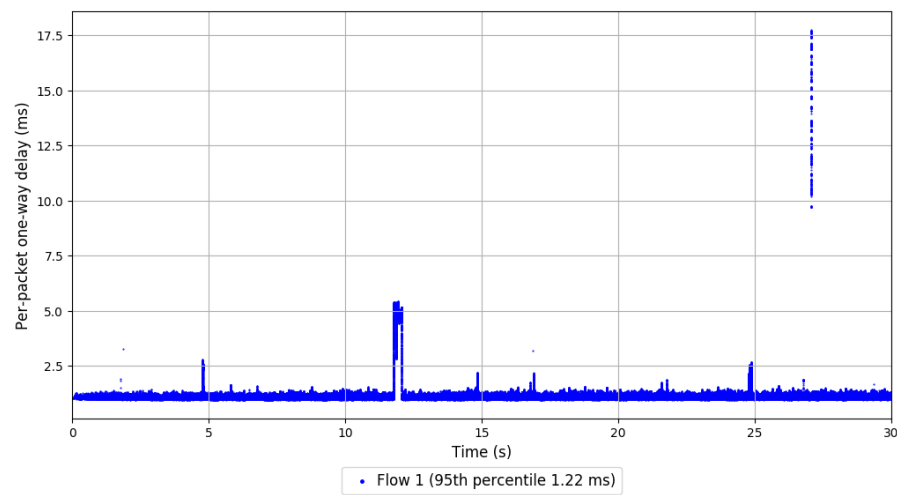
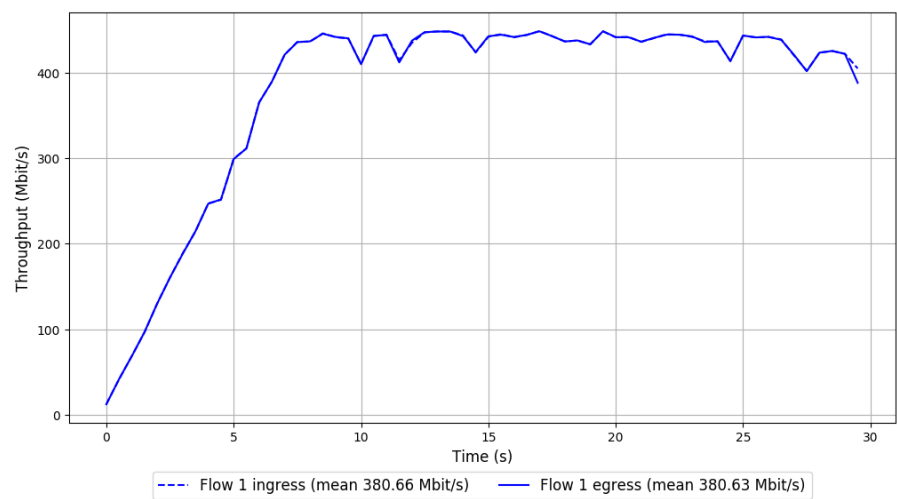


Run 3: Statistics of LEDBAT

Start at: 2018-02-19 22:22:25
End at: 2018-02-19 22:22:55
Local clock offset: 5.292 ms
Remote clock offset: -4.241 ms

Below is generated by plot.py at 2018-02-20 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.63 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 380.63 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

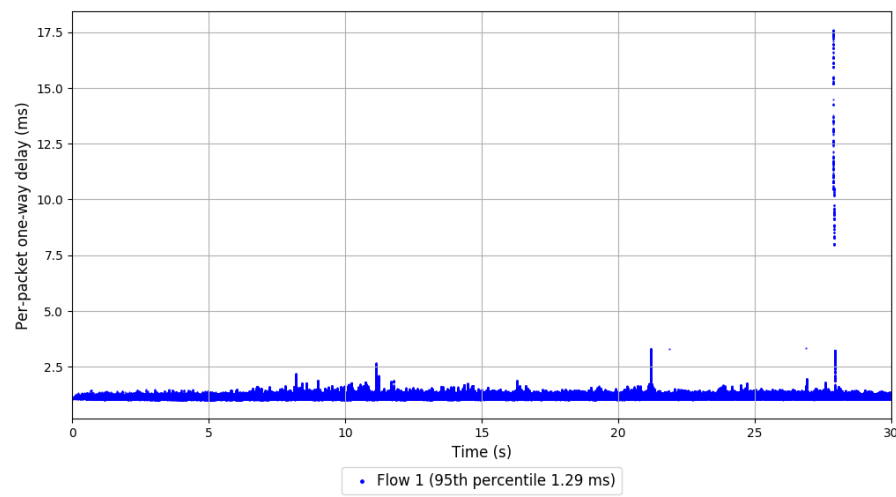
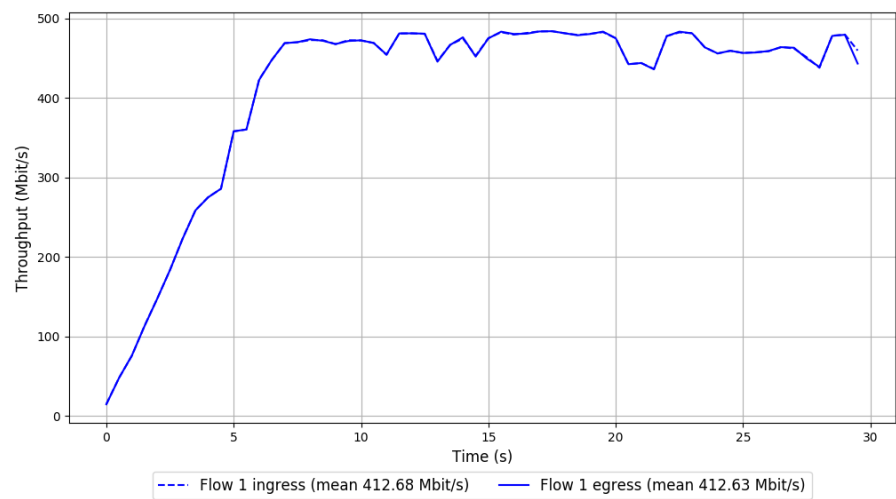


Run 4: Statistics of LEDBAT

Start at: 2018-02-19 22:49:49
End at: 2018-02-19 22:50:19
Local clock offset: 2.799 ms
Remote clock offset: -3.029 ms

Below is generated by plot.py at 2018-02-20 06:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 412.63 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 412.63 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link

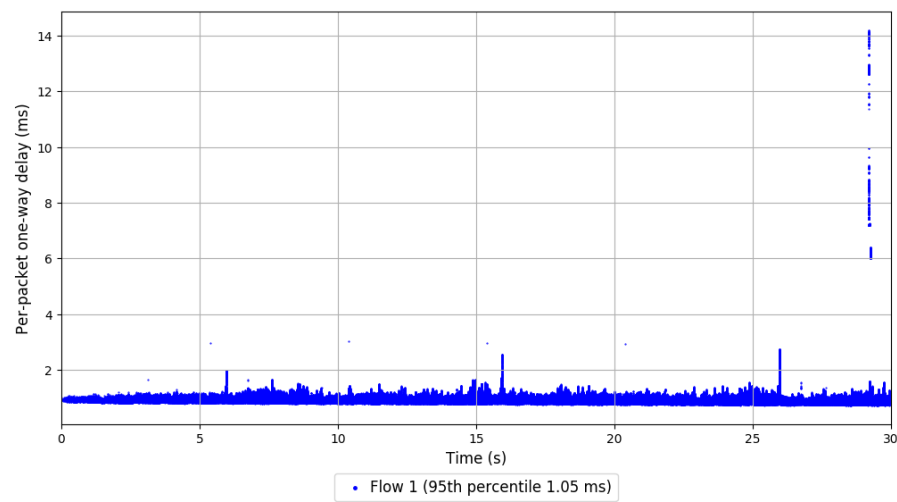
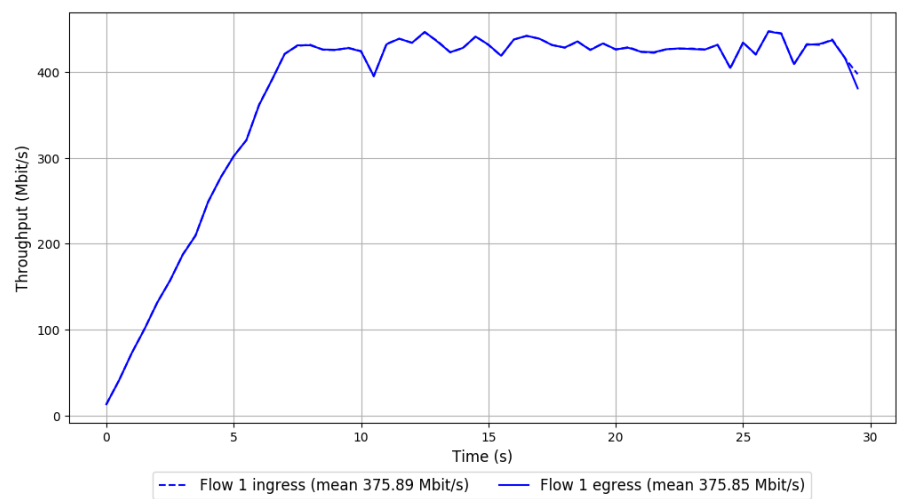


Run 5: Statistics of LEDBAT

Start at: 2018-02-19 23:17:13
End at: 2018-02-19 23:17:43
Local clock offset: 2.905 ms
Remote clock offset: -2.667 ms

Below is generated by plot.py at 2018-02-20 06:52:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.85 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 375.85 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

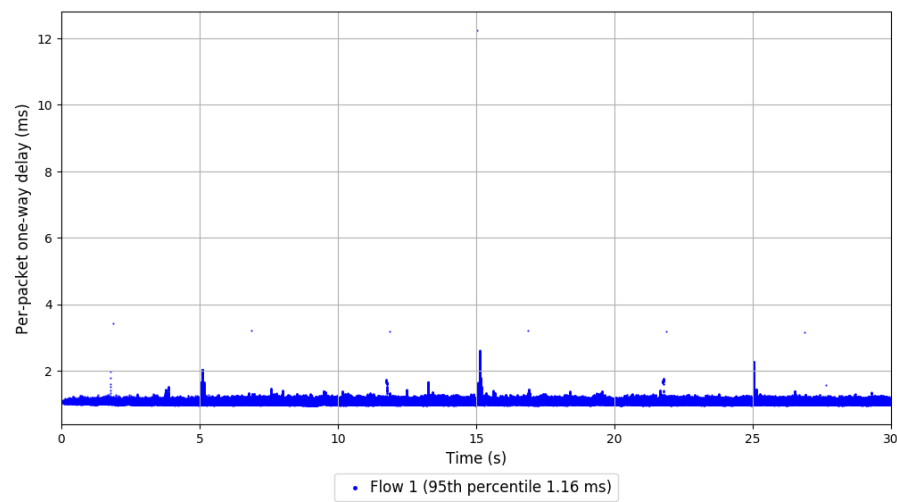
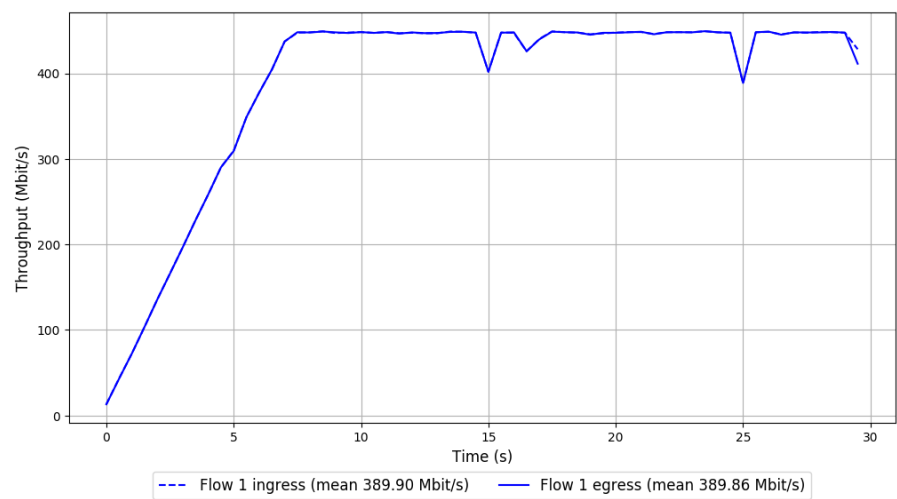


Run 6: Statistics of LEDBAT

Start at: 2018-02-19 23:45:14
End at: 2018-02-19 23:45:44
Local clock offset: 2.828 ms
Remote clock offset: -4.383 ms

Below is generated by plot.py at 2018-02-20 06:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.86 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 389.86 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link

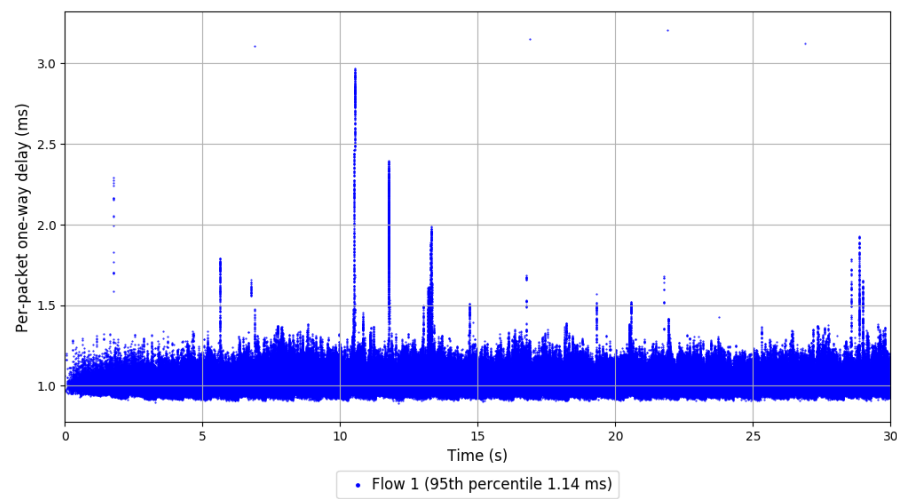
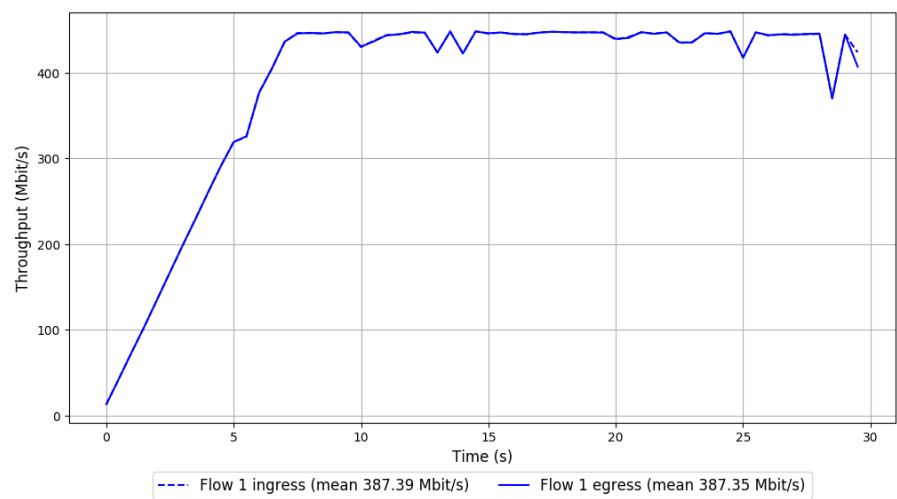


Run 7: Statistics of LEDBAT

Start at: 2018-02-20 00:13:18
End at: 2018-02-20 00:13:48
Local clock offset: 2.484 ms
Remote clock offset: -5.816 ms

Below is generated by plot.py at 2018-02-20 06:52:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.35 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 387.35 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.08%

Run 7: Report of LEDBAT — Data Link

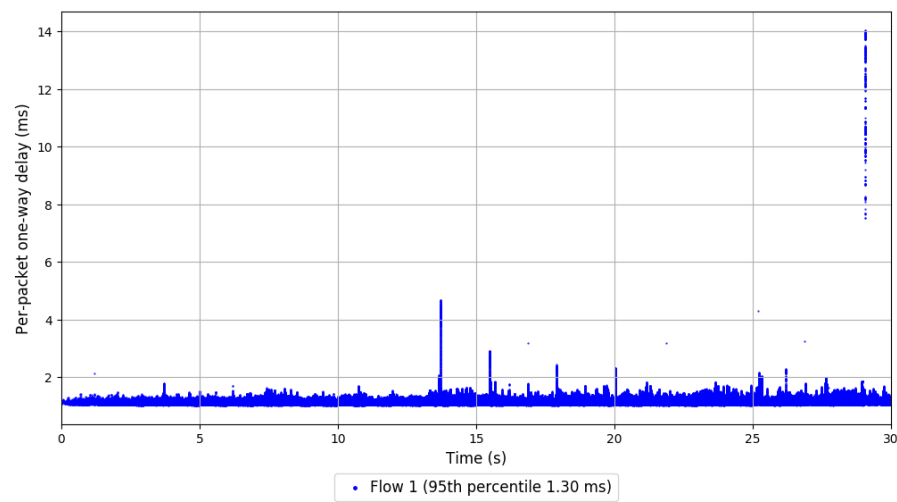
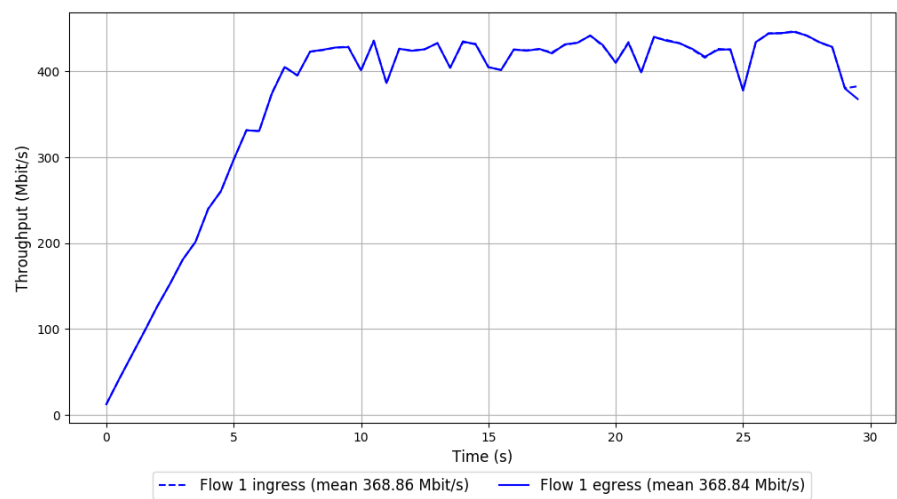


Run 8: Statistics of LEDBAT

Start at: 2018-02-20 00:40:24
End at: 2018-02-20 00:40:54
Local clock offset: 2.229 ms
Remote clock offset: -5.215 ms

Below is generated by plot.py at 2018-02-20 06:54:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 368.84 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 368.84 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.07%

Run 8: Report of LEDBAT — Data Link

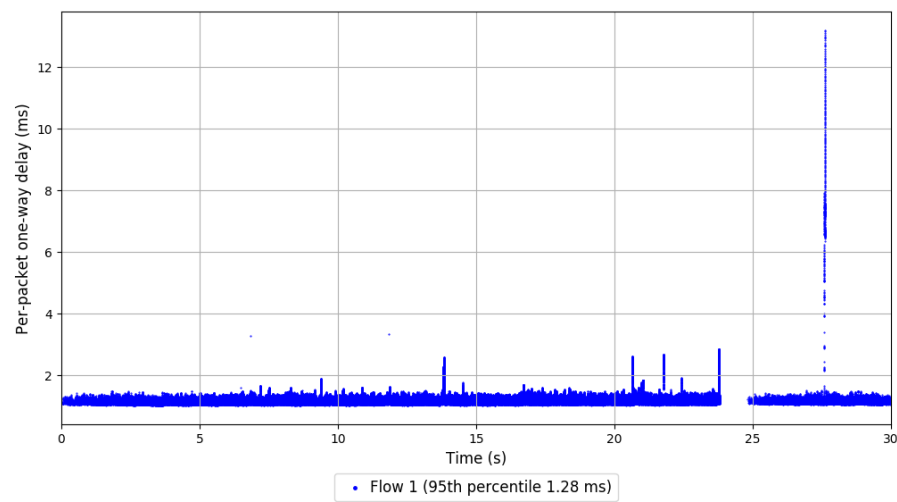
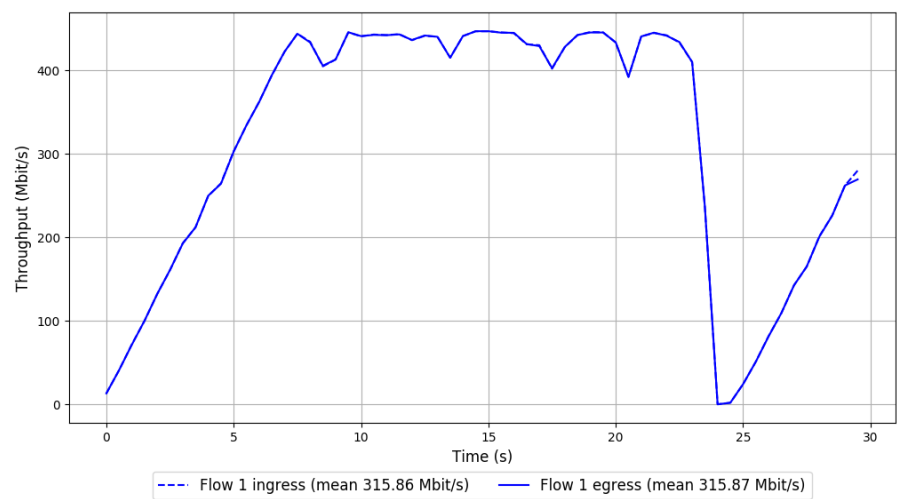


Run 9: Statistics of LEDBAT

Start at: 2018-02-20 01:07:33
End at: 2018-02-20 01:08:04
Local clock offset: 0.798 ms
Remote clock offset: -4.646 ms

Below is generated by plot.py at 2018-02-20 06:55:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.87 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 315.87 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.06%

Run 9: Report of LEDBAT — Data Link

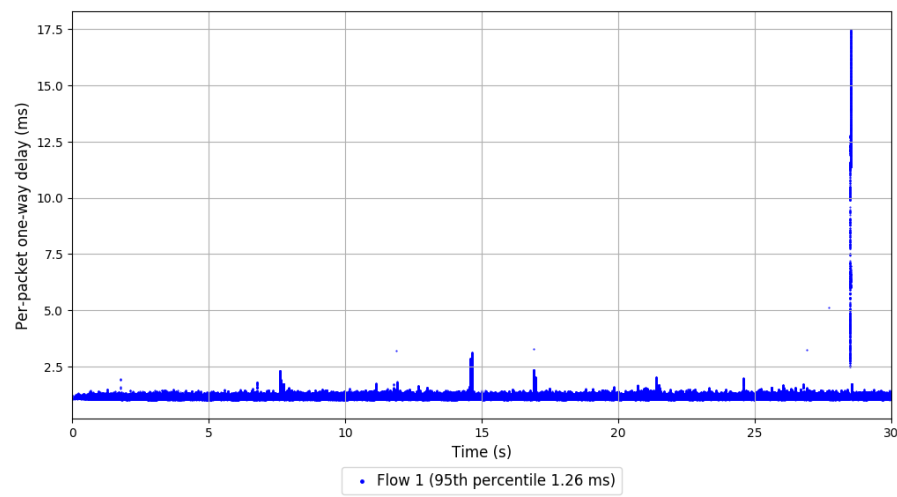
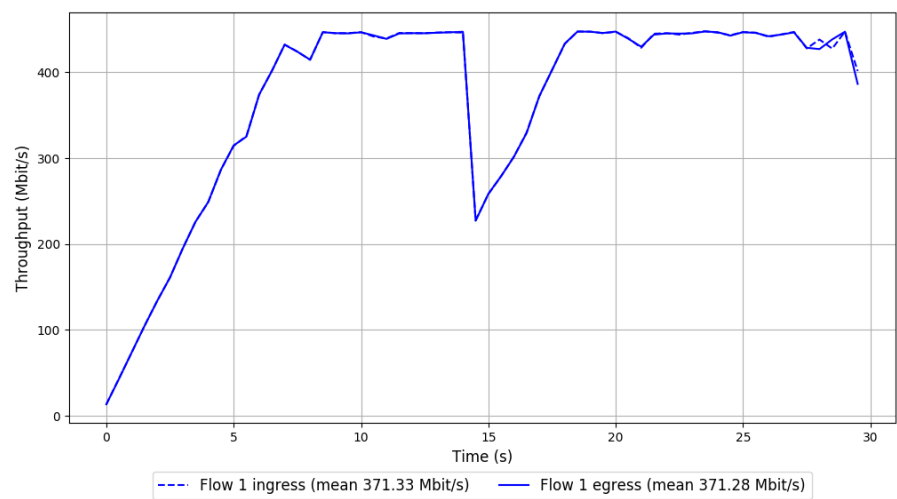


Run 10: Statistics of LEDBAT

Start at: 2018-02-20 01:35:09
End at: 2018-02-20 01:35:39
Local clock offset: 1.557 ms
Remote clock offset: -4.201 ms

Below is generated by plot.py at 2018-02-20 06:55:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.28 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 371.28 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.07%

Run 10: Report of LEDBAT — Data Link

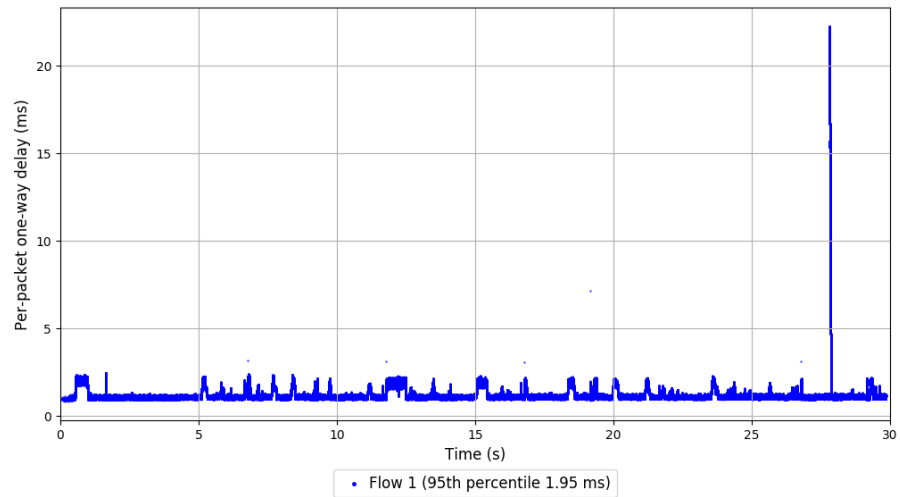
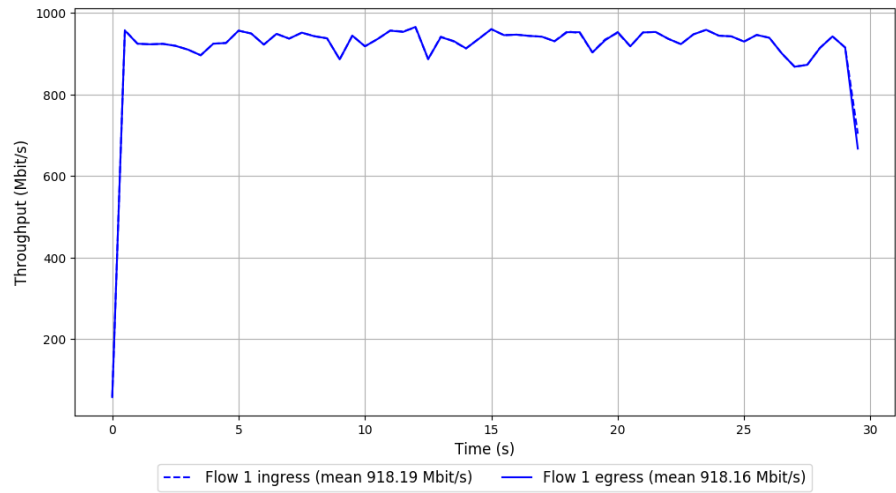


Run 1: Statistics of PCC

Start at: 2018-02-19 21:10:12
End at: 2018-02-19 21:10:42
Local clock offset: 2.245 ms
Remote clock offset: -5.996 ms

Below is generated by plot.py at 2018-02-20 07:04:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 918.16 Mbit/s
95th percentile per-packet one-way delay: 1.951 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 918.16 Mbit/s
95th percentile per-packet one-way delay: 1.951 ms
Loss rate: 0.07%

Run 1: Report of PCC — Data Link

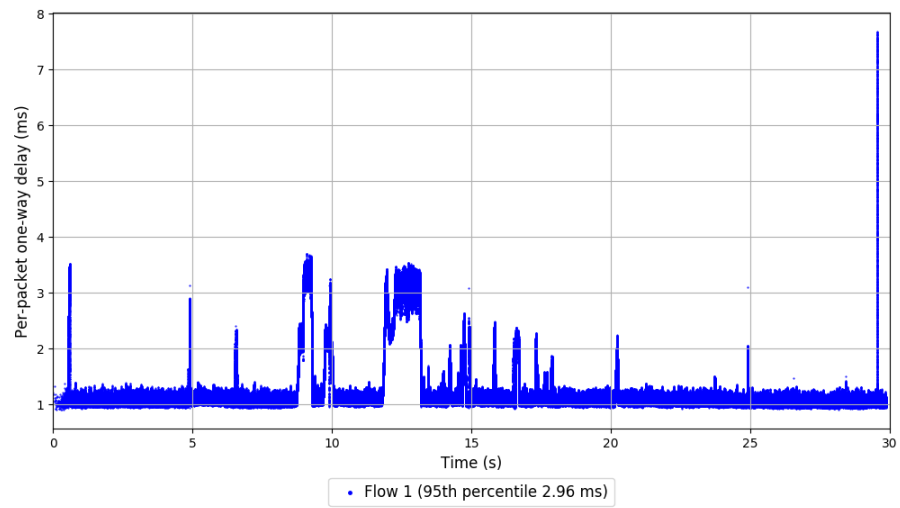
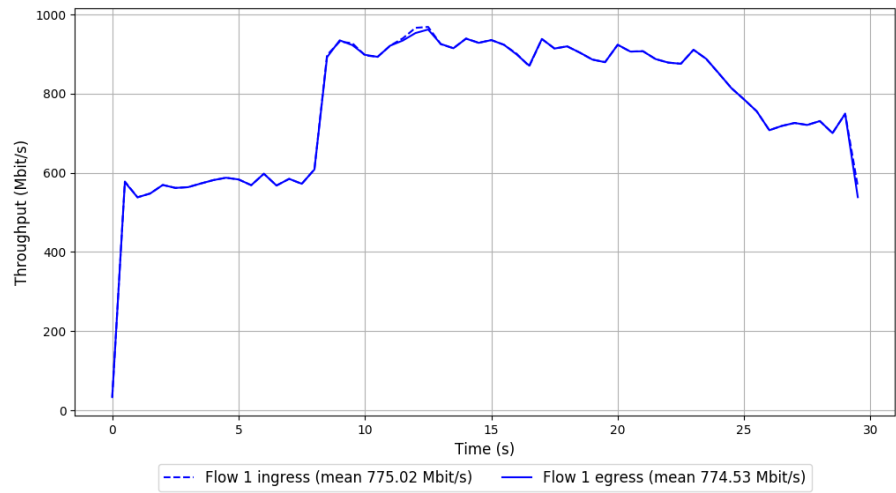


Run 2: Statistics of PCC

Start at: 2018-02-19 21:38:14
End at: 2018-02-19 21:38:44
Local clock offset: 1.19 ms
Remote clock offset: -6.046 ms

Below is generated by plot.py at 2018-02-20 07:04:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 774.53 Mbit/s
95th percentile per-packet one-way delay: 2.962 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 774.53 Mbit/s
95th percentile per-packet one-way delay: 2.962 ms
Loss rate: 0.13%

Run 2: Report of PCC — Data Link

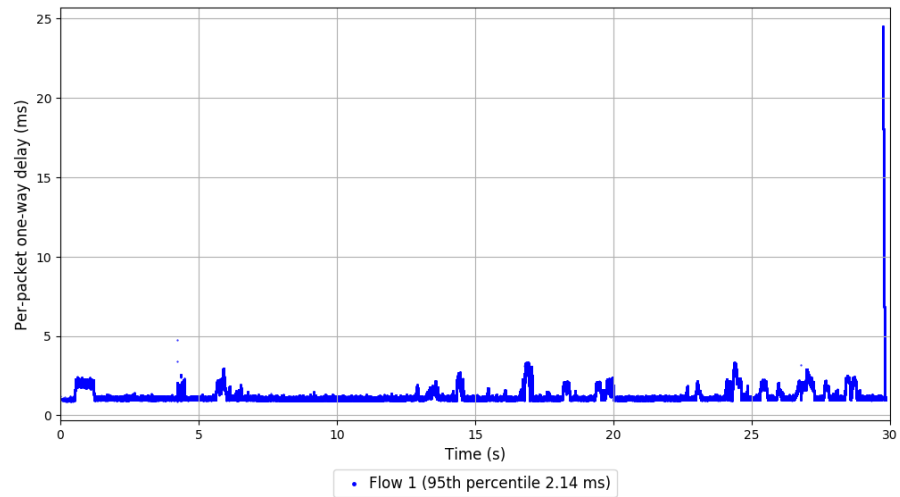
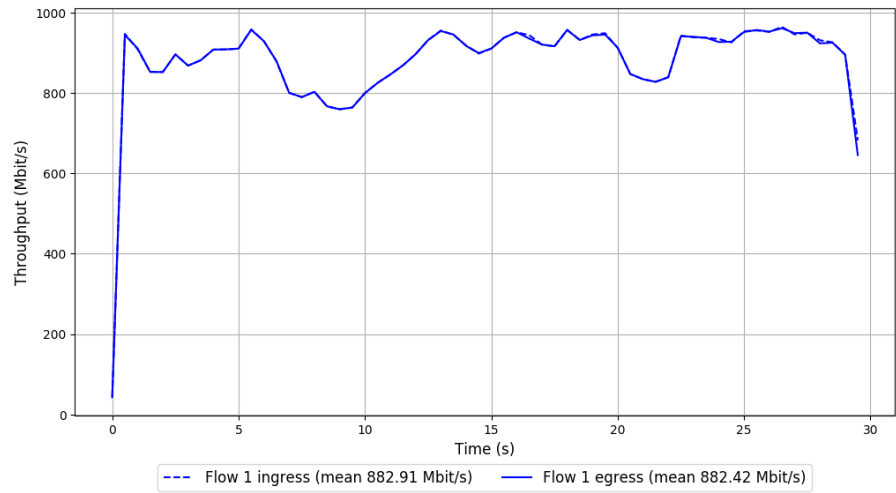


Run 3: Statistics of PCC

Start at: 2018-02-19 22:05:36
End at: 2018-02-19 22:06:06
Local clock offset: 4.022 ms
Remote clock offset: -6.727 ms

Below is generated by plot.py at 2018-02-20 07:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 882.42 Mbit/s
95th percentile per-packet one-way delay: 2.141 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 882.42 Mbit/s
95th percentile per-packet one-way delay: 2.141 ms
Loss rate: 0.13%

Run 3: Report of PCC — Data Link

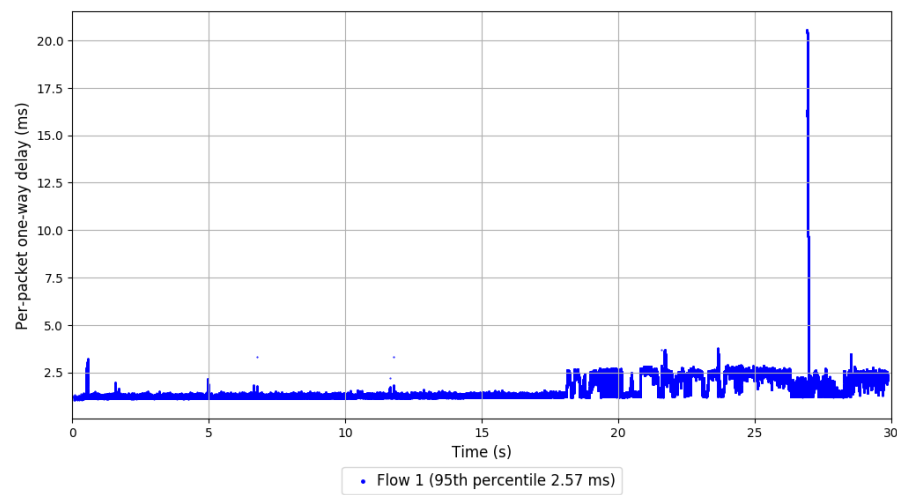
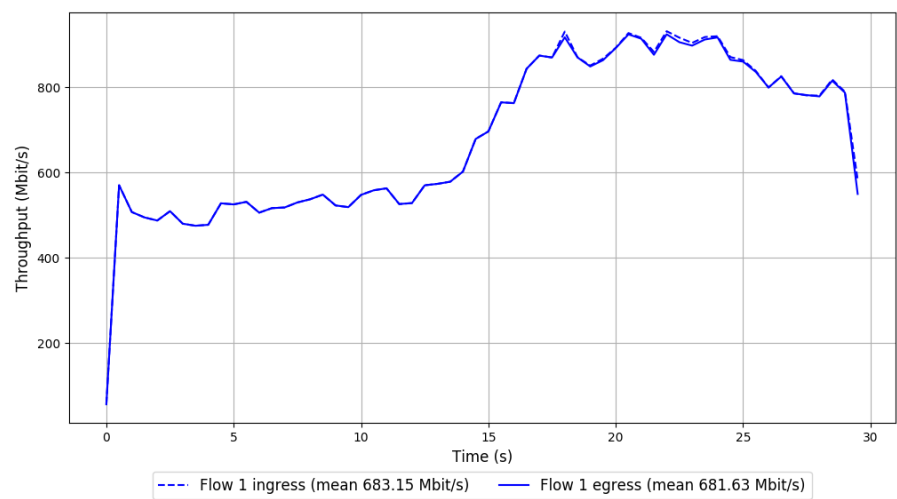


Run 4: Statistics of PCC

Start at: 2018-02-19 22:33:08
End at: 2018-02-19 22:33:38
Local clock offset: 3.656 ms
Remote clock offset: -3.648 ms

Below is generated by plot.py at 2018-02-20 07:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 681.63 Mbit/s
95th percentile per-packet one-way delay: 2.569 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 681.63 Mbit/s
95th percentile per-packet one-way delay: 2.569 ms
Loss rate: 0.29%

Run 4: Report of PCC — Data Link

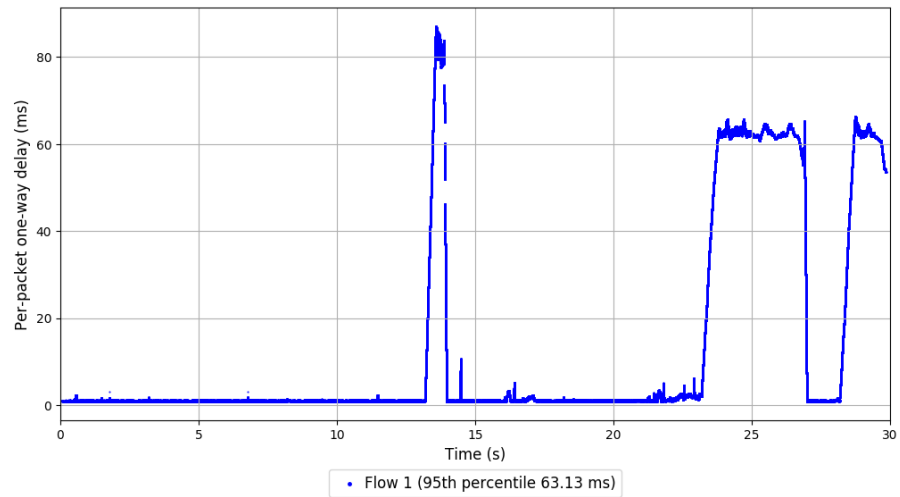
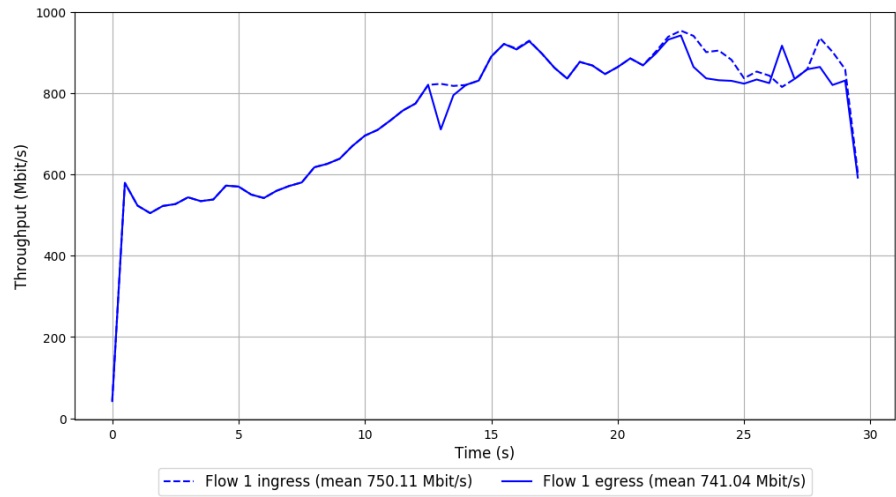


Run 5: Statistics of PCC

Start at: 2018-02-19 23:00:48
End at: 2018-02-19 23:01:18
Local clock offset: 2.681 ms
Remote clock offset: -2.573 ms

Below is generated by plot.py at 2018-02-20 07:04:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 741.04 Mbit/s
95th percentile per-packet one-way delay: 63.126 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 741.04 Mbit/s
95th percentile per-packet one-way delay: 63.126 ms
Loss rate: 1.27%

Run 5: Report of PCC — Data Link

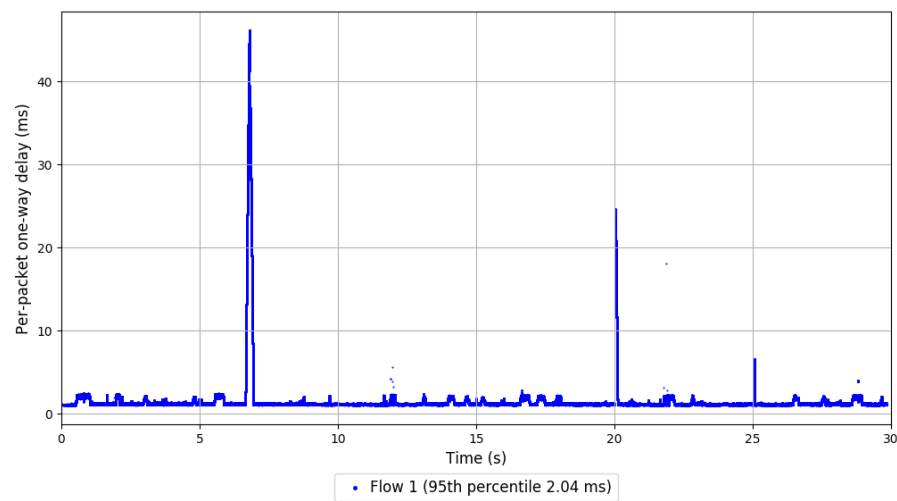
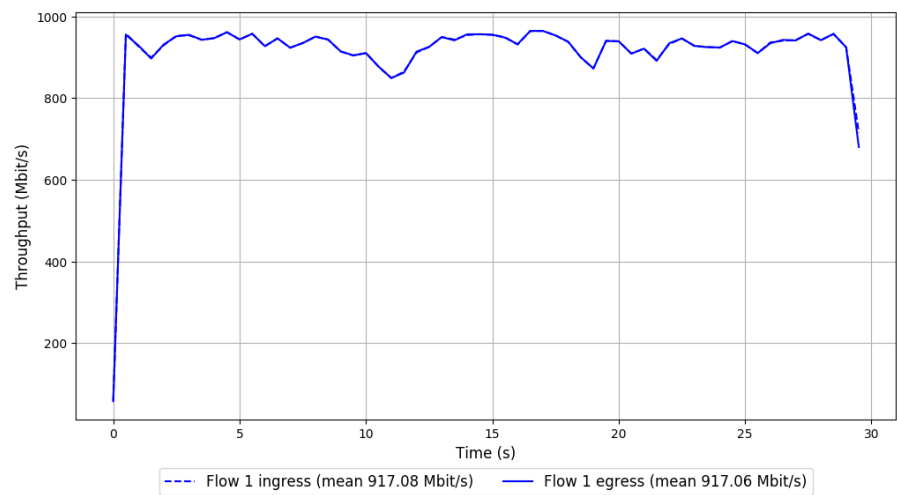


Run 6: Statistics of PCC

Start at: 2018-02-19 23:28:27
End at: 2018-02-19 23:28:57
Local clock offset: 2.975 ms
Remote clock offset: -3.981 ms

Below is generated by plot.py at 2018-02-20 07:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 917.06 Mbit/s
95th percentile per-packet one-way delay: 2.045 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 917.06 Mbit/s
95th percentile per-packet one-way delay: 2.045 ms
Loss rate: 0.07%

Run 6: Report of PCC — Data Link

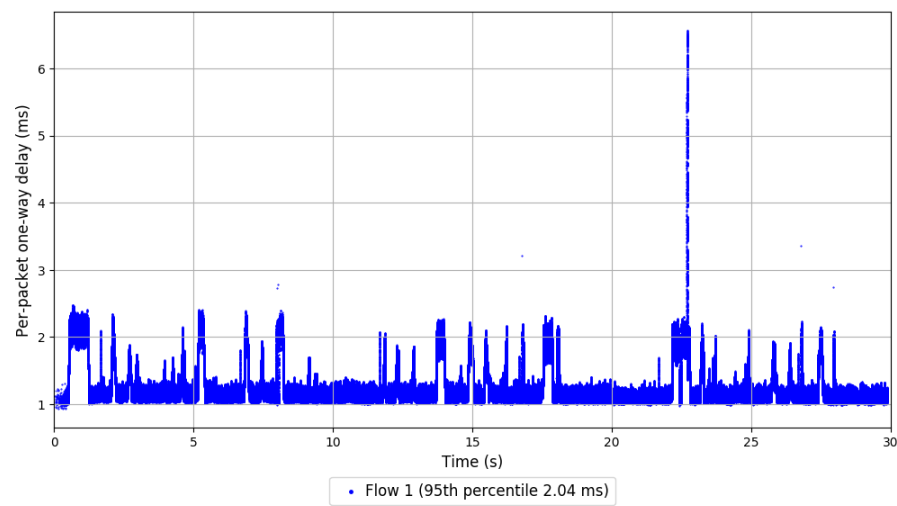
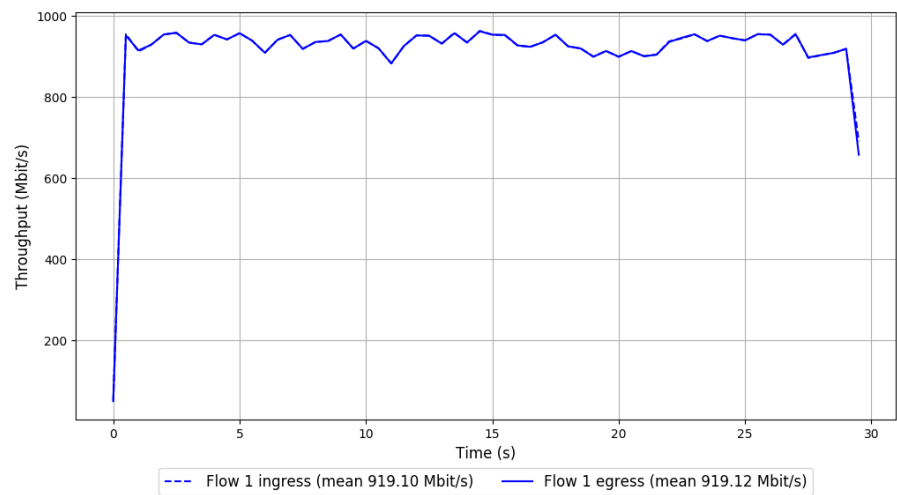


Run 7: Statistics of PCC

Start at: 2018-02-19 23:56:20
End at: 2018-02-19 23:56:50
Local clock offset: 2.751 ms
Remote clock offset: -5.155 ms

Below is generated by plot.py at 2018-02-20 07:08:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 919.12 Mbit/s
95th percentile per-packet one-way delay: 2.035 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 919.12 Mbit/s
95th percentile per-packet one-way delay: 2.035 ms
Loss rate: 0.06%

Run 7: Report of PCC — Data Link

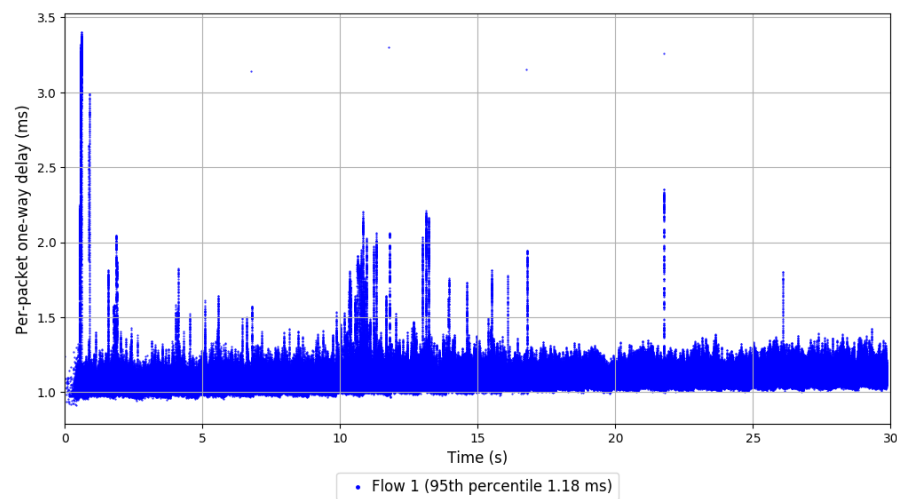
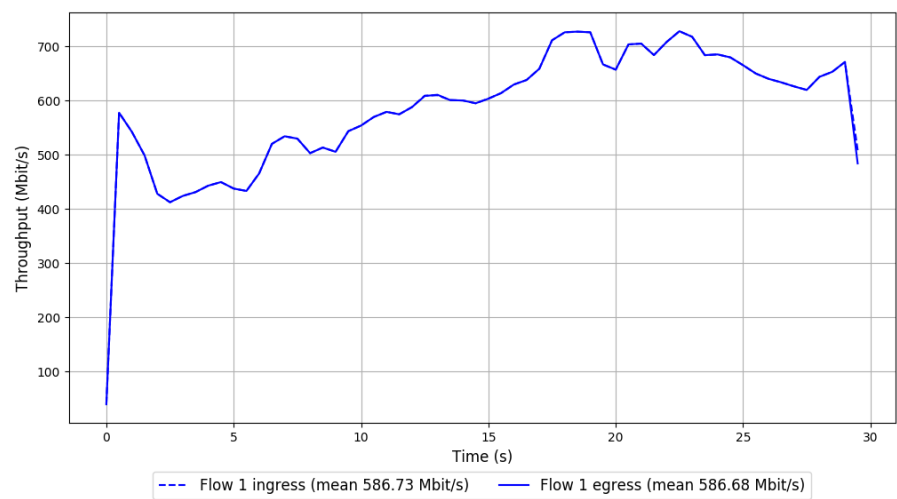


Run 8: Statistics of PCC

Start at: 2018-02-20 00:24:06
End at: 2018-02-20 00:24:36
Local clock offset: 2.263 ms
Remote clock offset: -5.852 ms

Below is generated by plot.py at 2018-02-20 07:08:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 586.68 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 586.68 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.07%

Run 8: Report of PCC — Data Link

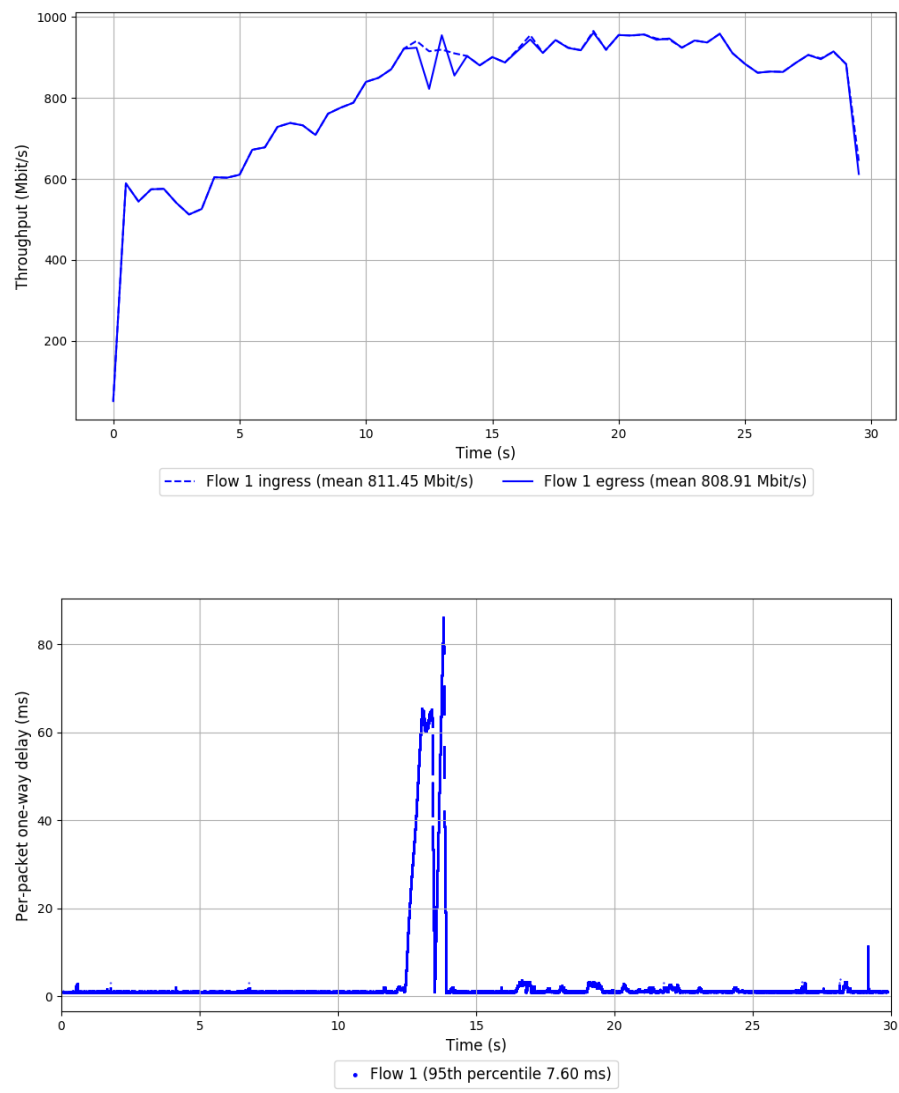


Run 9: Statistics of PCC

Start at: 2018-02-20 00:50:51
End at: 2018-02-20 00:51:21
Local clock offset: 1.335 ms
Remote clock offset: -5.061 ms

Below is generated by plot.py at 2018-02-20 07:14:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 808.91 Mbit/s
95th percentile per-packet one-way delay: 7.600 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 808.91 Mbit/s
95th percentile per-packet one-way delay: 7.600 ms
Loss rate: 0.38%

Run 9: Report of PCC — Data Link

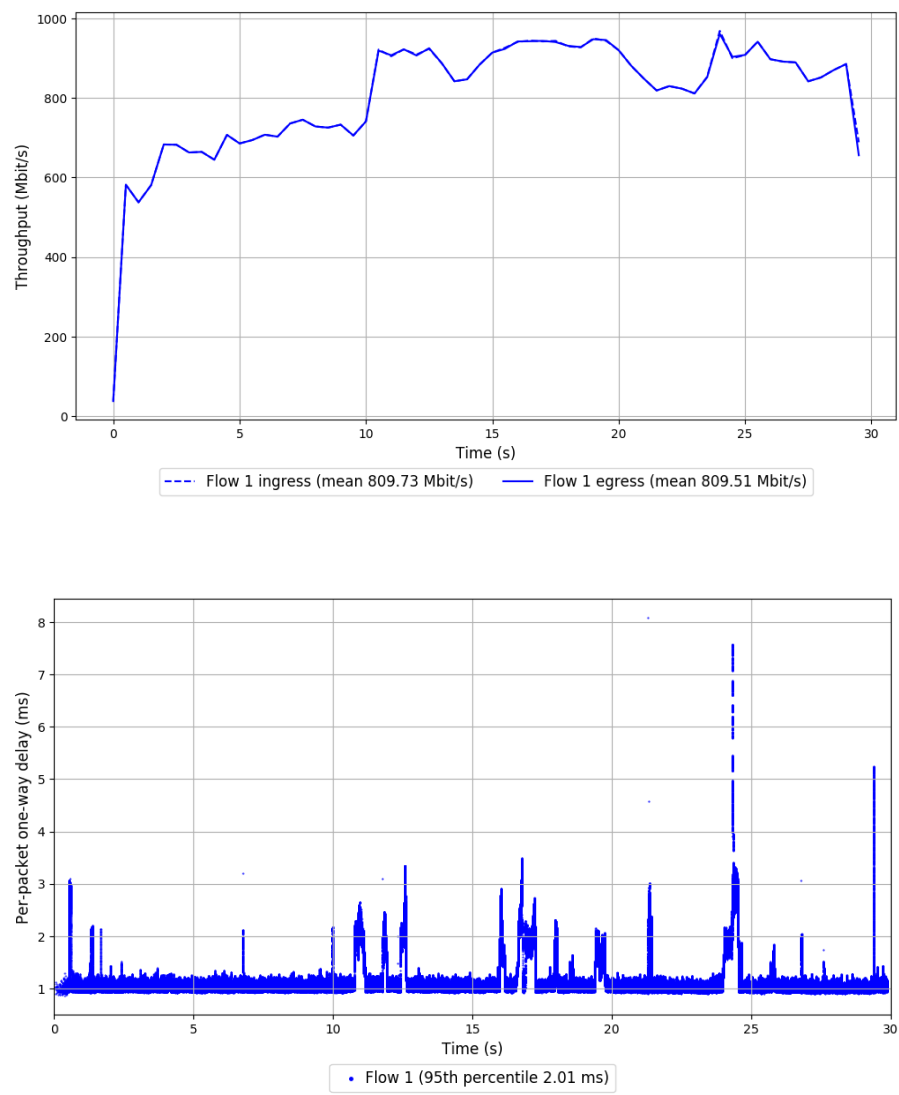


Run 10: Statistics of PCC

Start at: 2018-02-20 01:18:26
End at: 2018-02-20 01:18:56
Local clock offset: 0.947 ms
Remote clock offset: -4.375 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 809.51 Mbit/s
95th percentile per-packet one-way delay: 2.011 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 809.51 Mbit/s
95th percentile per-packet one-way delay: 2.011 ms
Loss rate: 0.09%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-02-19 21:35:06

End at: 2018-02-19 21:35:36

Local clock offset: 1.253 ms

Remote clock offset: -5.782 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.23 Mbit/s

95th percentile per-packet one-way delay: 1.152 ms

Loss rate: 0.07%

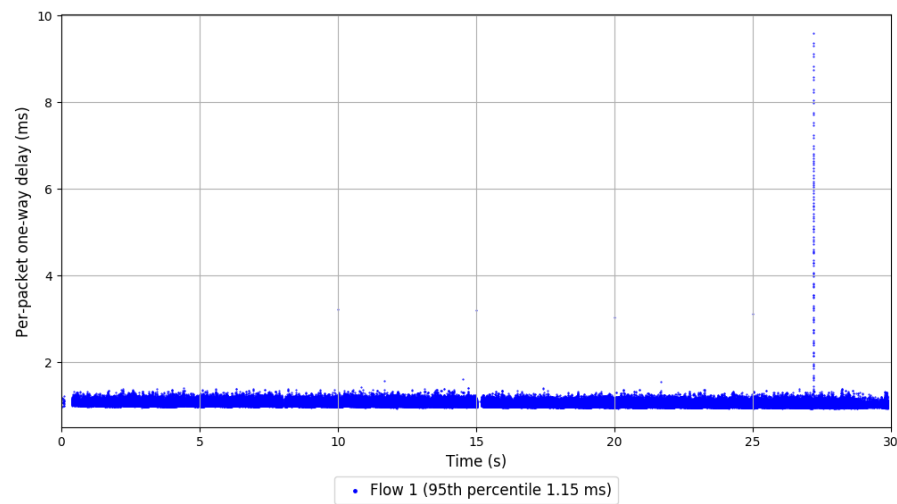
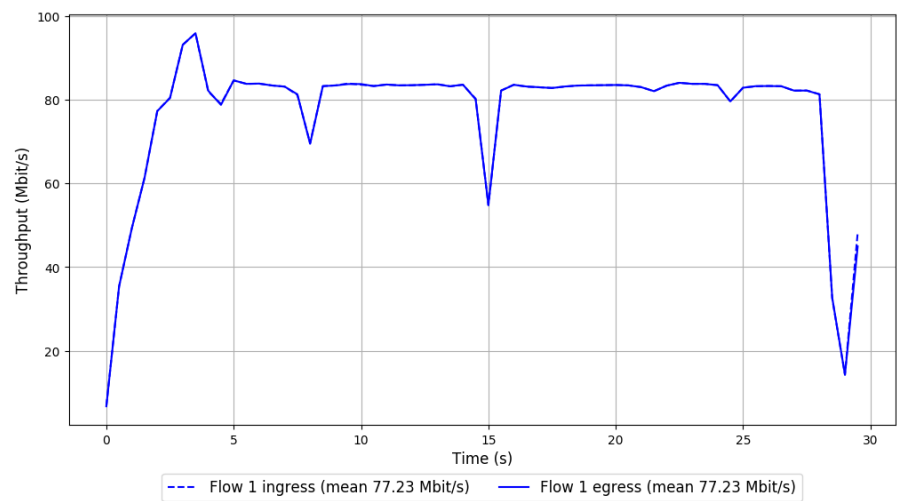
-- Flow 1:

Average throughput: 77.23 Mbit/s

95th percentile per-packet one-way delay: 1.152 ms

Loss rate: 0.07%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-19 22:02:52

End at: 2018-02-19 22:03:22

Local clock offset: 3.722 ms

Remote clock offset: -6.735 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.58 Mbit/s

95th percentile per-packet one-way delay: 1.083 ms

Loss rate: 0.00%

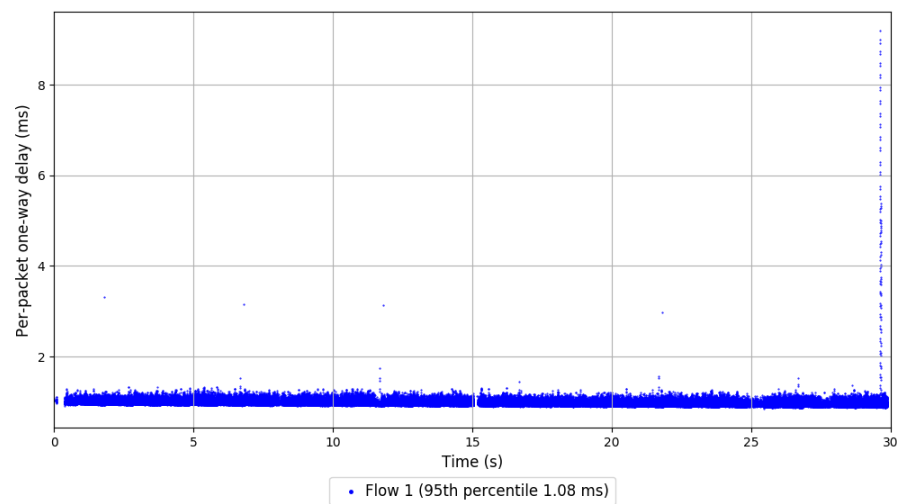
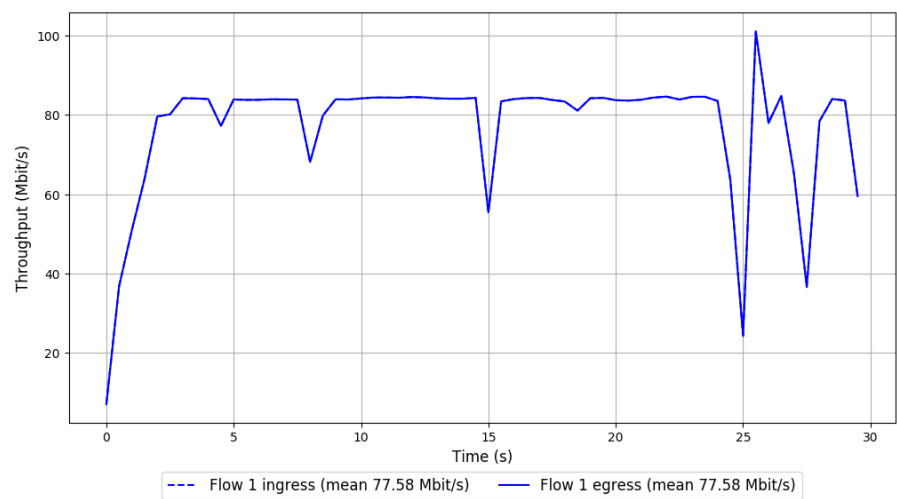
-- Flow 1:

Average throughput: 77.58 Mbit/s

95th percentile per-packet one-way delay: 1.083 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-19 22:30:22

End at: 2018-02-19 22:30:52

Local clock offset: 4.006 ms

Remote clock offset: -3.772 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.80 Mbit/s

95th percentile per-packet one-way delay: 1.310 ms

Loss rate: 0.07%

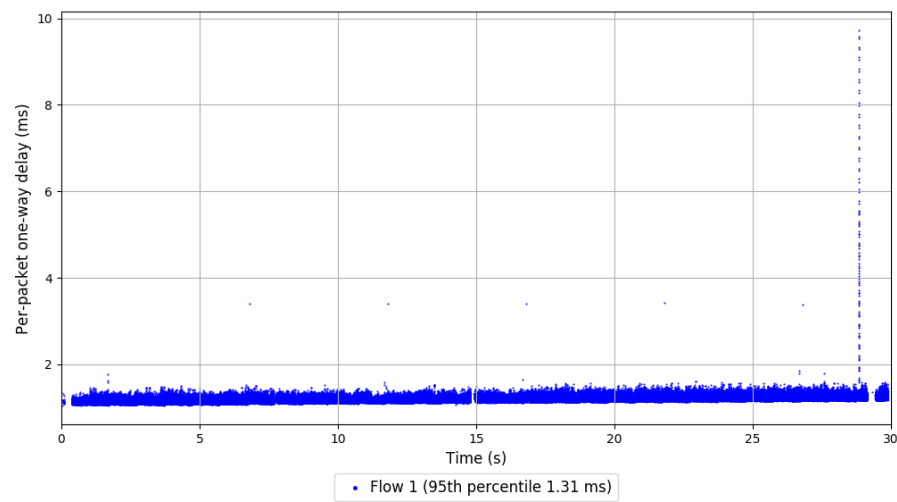
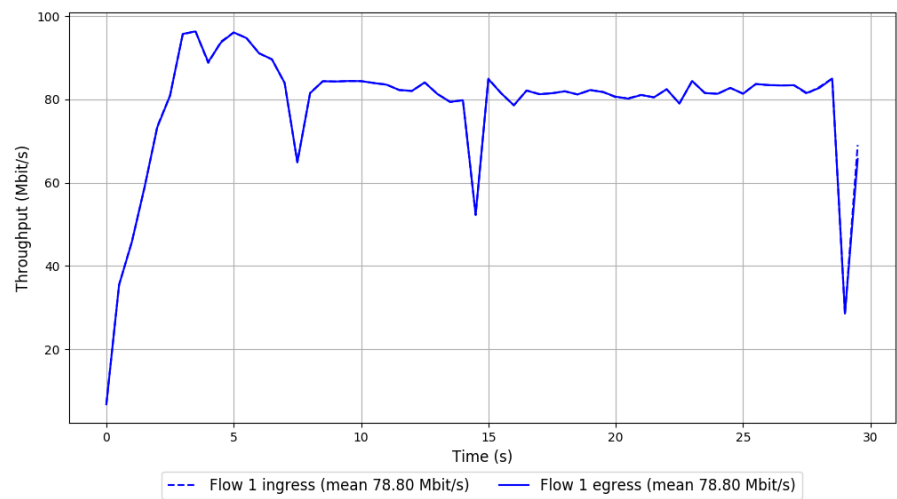
-- Flow 1:

Average throughput: 78.80 Mbit/s

95th percentile per-packet one-way delay: 1.310 ms

Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-19 22:57:49

End at: 2018-02-19 22:58:19

Local clock offset: 2.77 ms

Remote clock offset: -2.723 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.64 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.07%

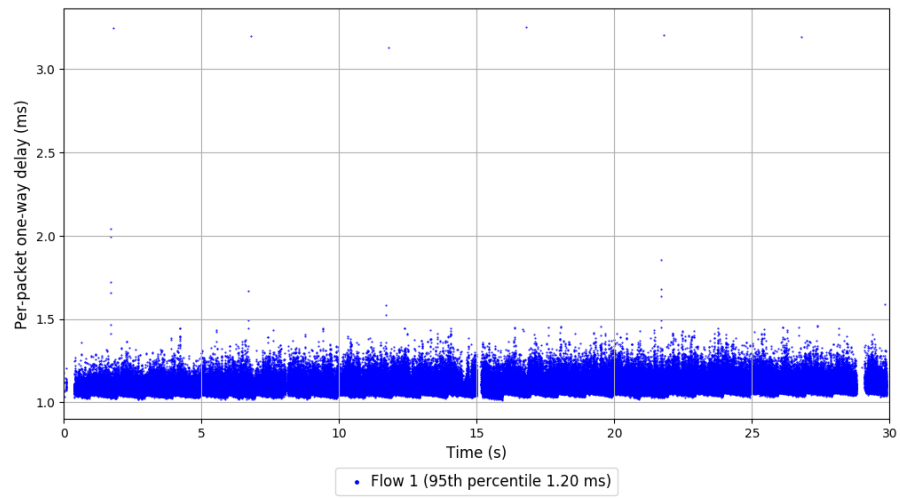
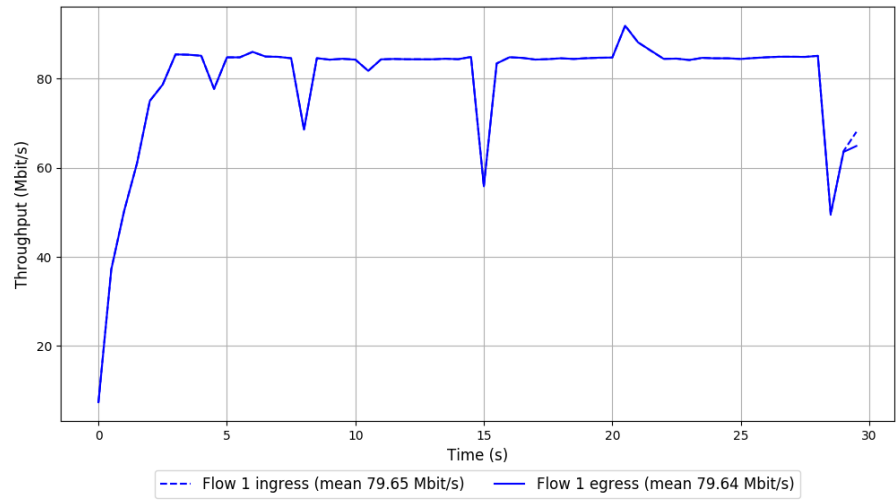
-- Flow 1:

Average throughput: 79.64 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.07%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-19 23:25:22

End at: 2018-02-19 23:25:52

Local clock offset: 2.968 ms

Remote clock offset: -3.683 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 1.050 ms

Loss rate: 0.07%

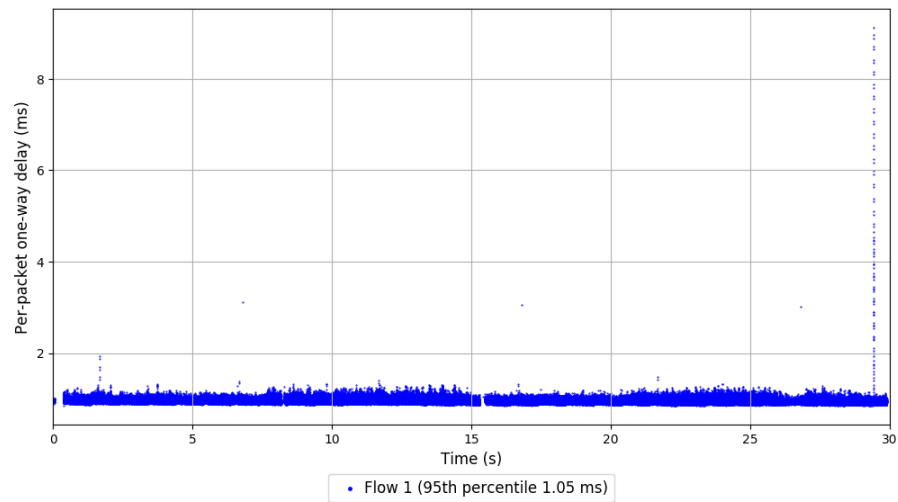
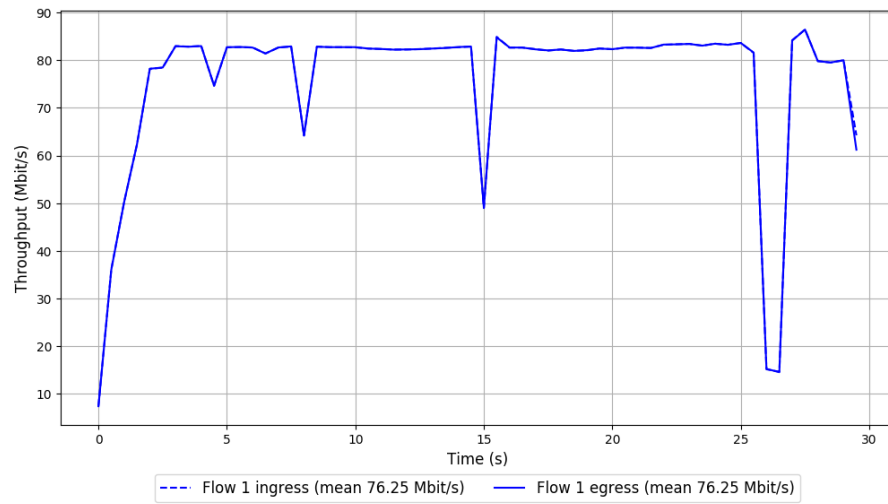
-- Flow 1:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 1.050 ms

Loss rate: 0.07%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-19 23:53:17

End at: 2018-02-19 23:53:47

Local clock offset: 2.673 ms

Remote clock offset: -4.918 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.58 Mbit/s

95th percentile per-packet one-way delay: 1.050 ms

Loss rate: 0.07%

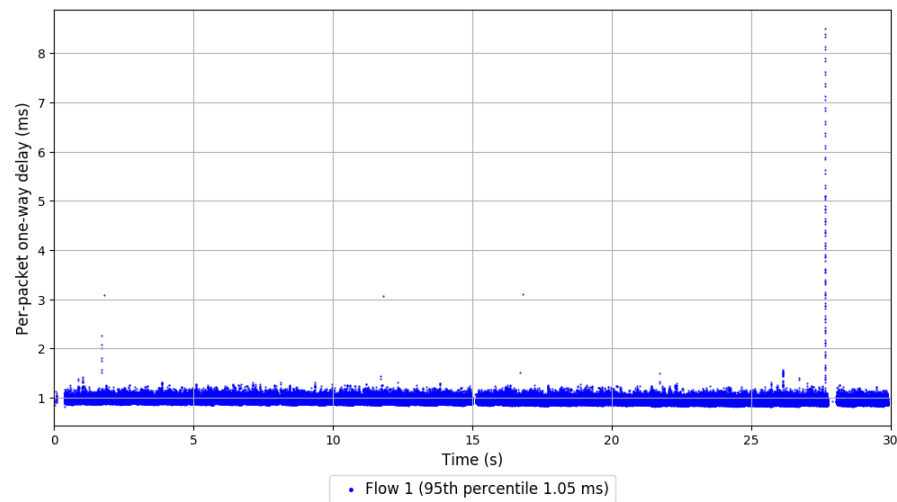
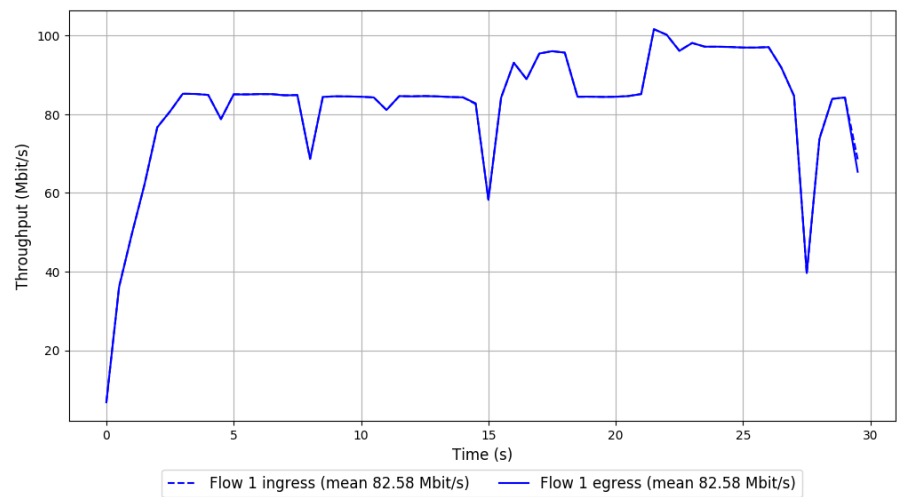
-- Flow 1:

Average throughput: 82.58 Mbit/s

95th percentile per-packet one-way delay: 1.050 ms

Loss rate: 0.07%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-20 00:21:25

End at: 2018-02-20 00:21:55

Local clock offset: 2.397 ms

Remote clock offset: -5.953 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.84 Mbit/s

95th percentile per-packet one-way delay: 1.142 ms

Loss rate: 0.00%

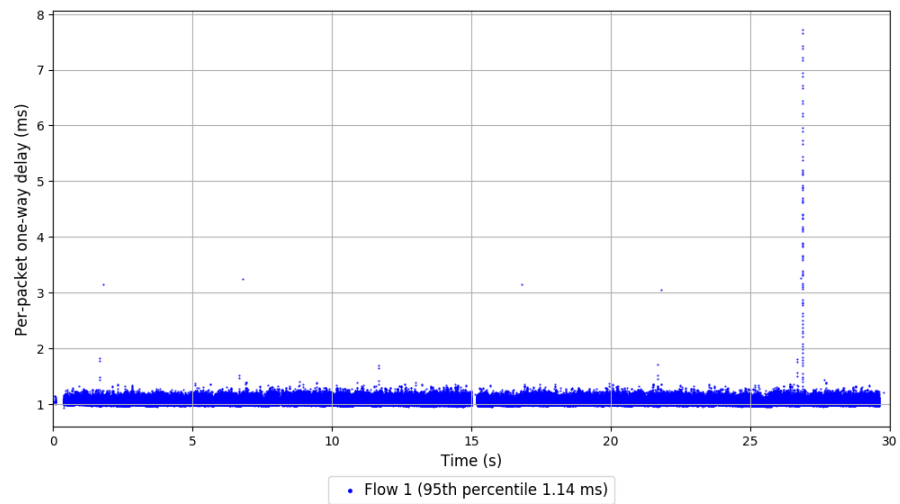
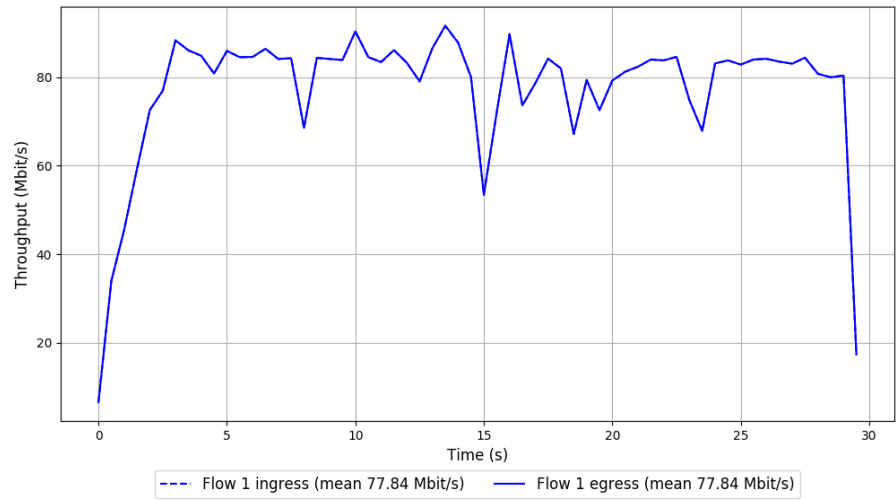
-- Flow 1:

Average throughput: 77.84 Mbit/s

95th percentile per-packet one-way delay: 1.142 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

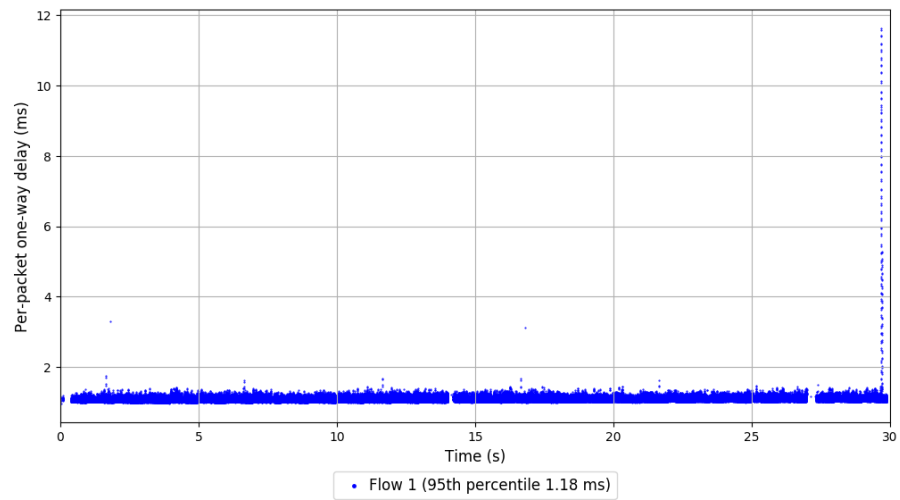
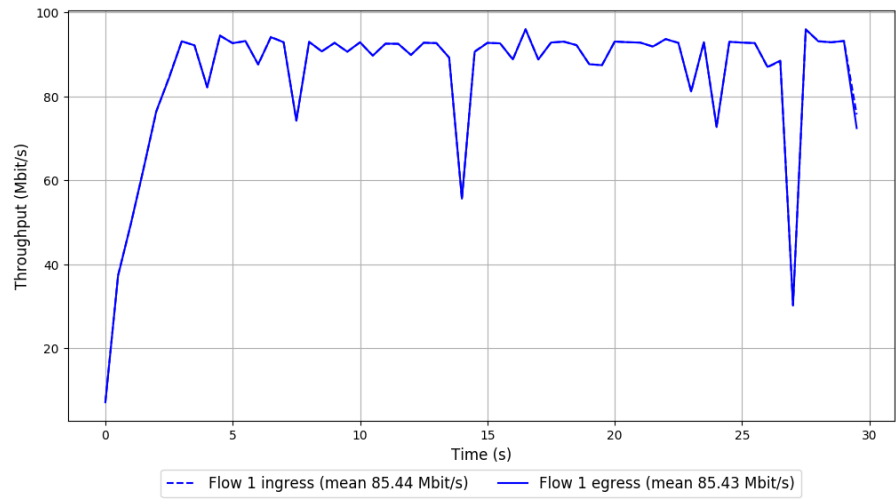


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-20 00:48:01
End at: 2018-02-20 00:48:31
Local clock offset: 1.594 ms
Remote clock offset: -5.106 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.07%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-20 01:15:29

End at: 2018-02-20 01:15:59

Local clock offset: 0.623 ms

Remote clock offset: -4.421 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.74 Mbit/s

95th percentile per-packet one-way delay: 1.072 ms

Loss rate: 0.05%

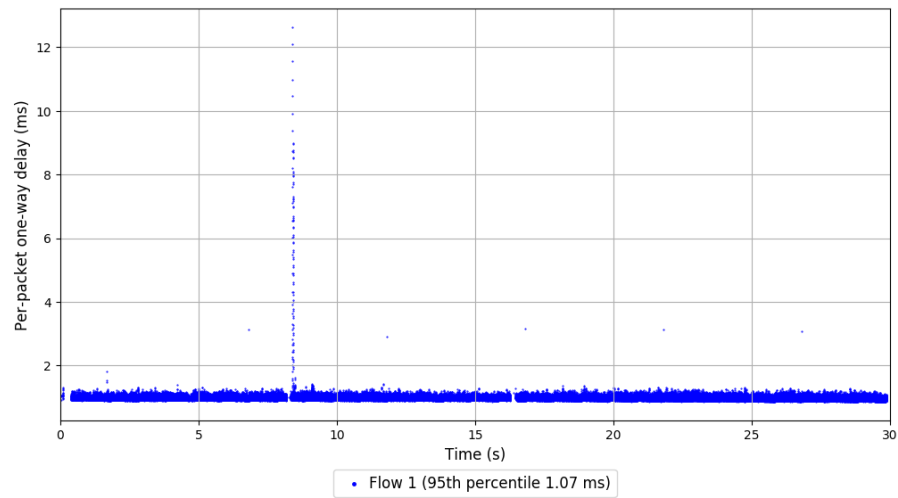
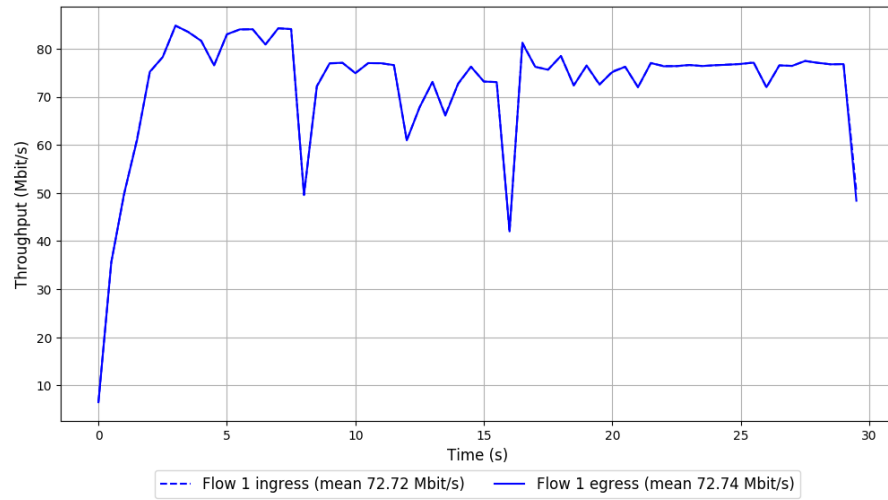
-- Flow 1:

Average throughput: 72.74 Mbit/s

95th percentile per-packet one-way delay: 1.072 ms

Loss rate: 0.05%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-20 01:43:12

End at: 2018-02-20 01:43:42

Local clock offset: 1.519 ms

Remote clock offset: -3.969 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.91 Mbit/s

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

Loss rate: 0.08%

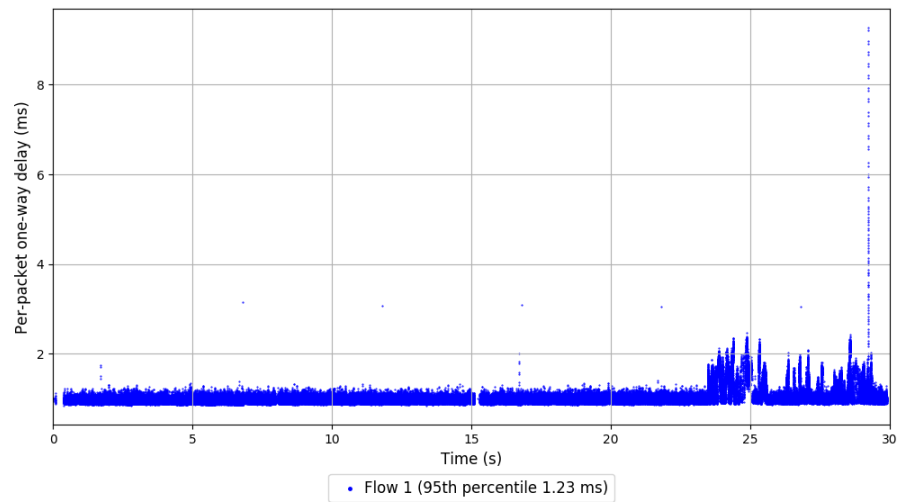
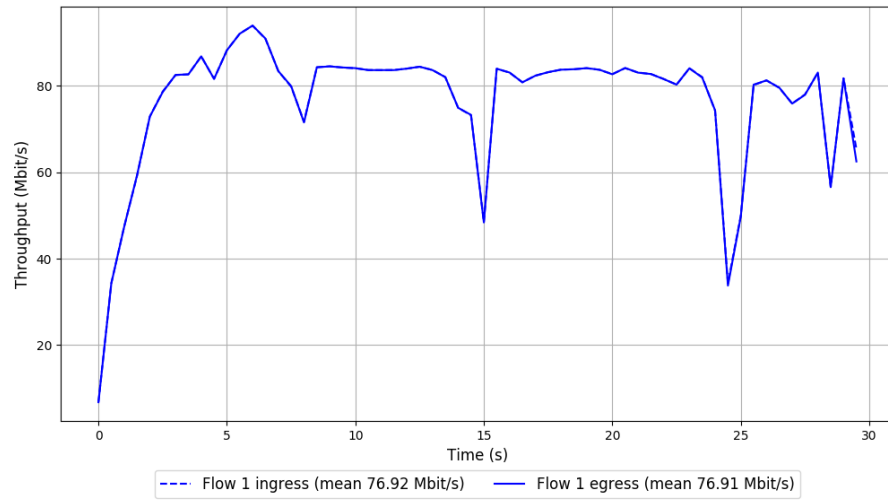
-- Flow 1:

Average throughput: 76.91 Mbit/s

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

Loss rate: 0.08%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SReAM

Start at: 2018-02-19 21:11:57

End at: 2018-02-19 21:12:27

Local clock offset: 2.243 ms

Remote clock offset: -5.98 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.254 ms

Loss rate: 0.13%

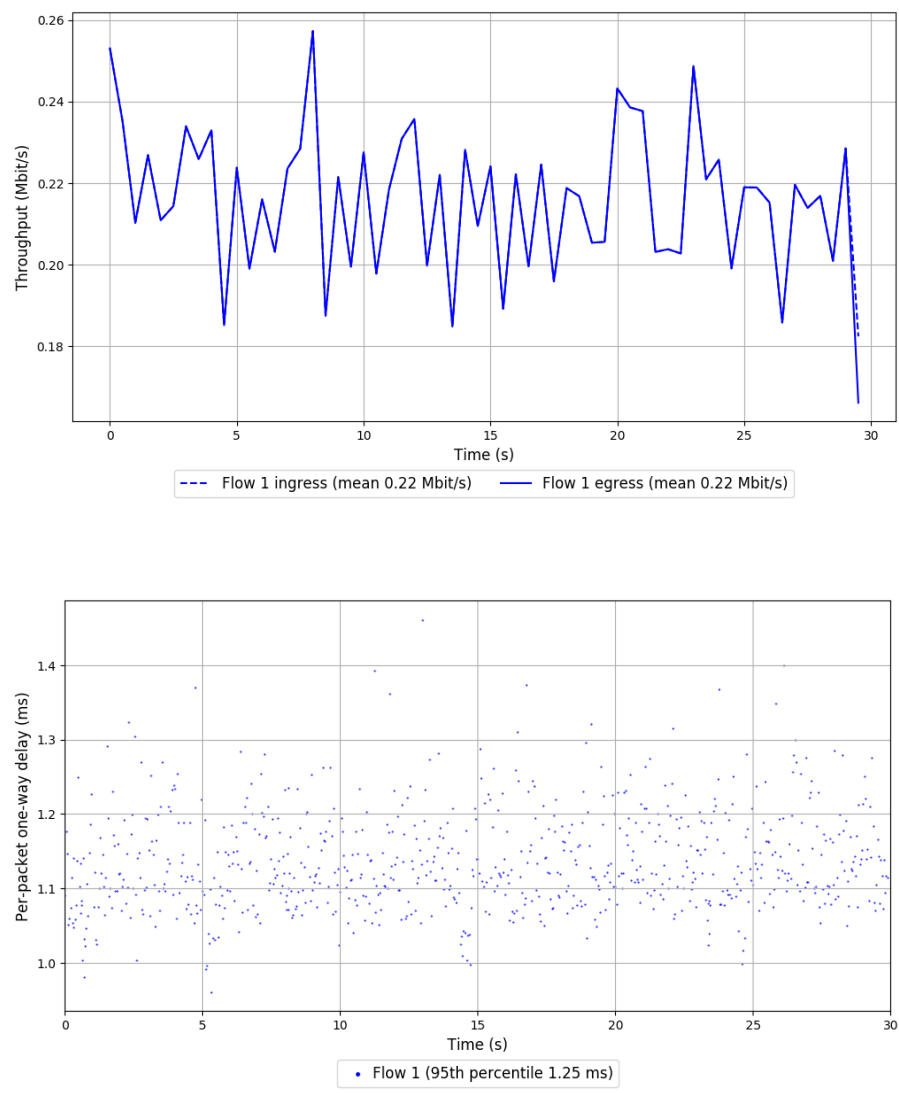
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.254 ms

Loss rate: 0.13%

Run 1: Report of SCRaM — Data Link

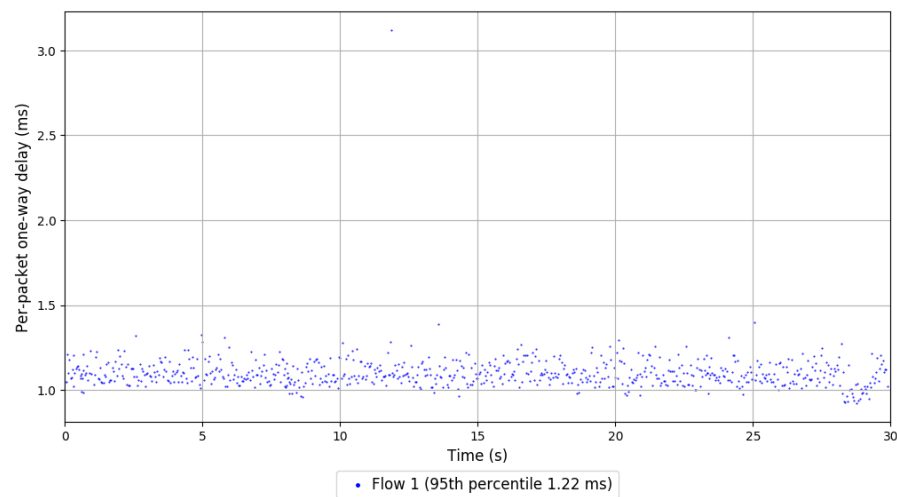
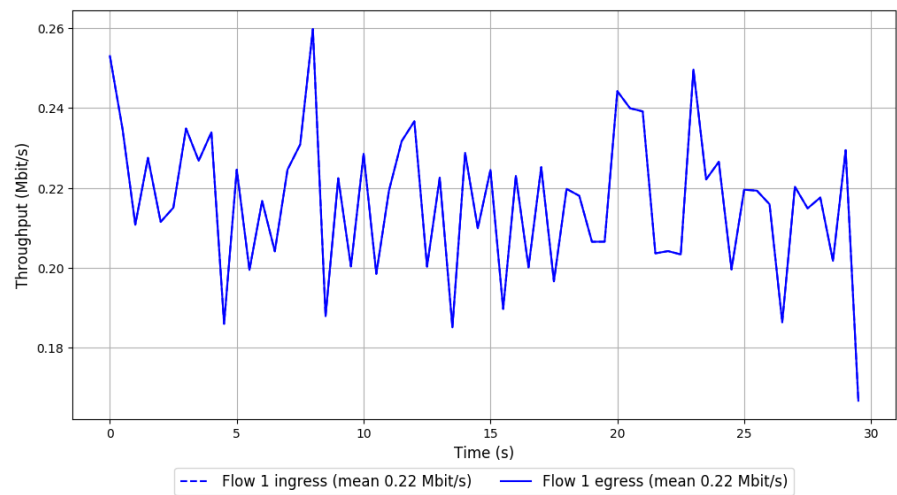


Run 2: Statistics of SCReAM

Start at: 2018-02-19 21:39:52
End at: 2018-02-19 21:40:23
Local clock offset: 1.057 ms
Remote clock offset: -6.238 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

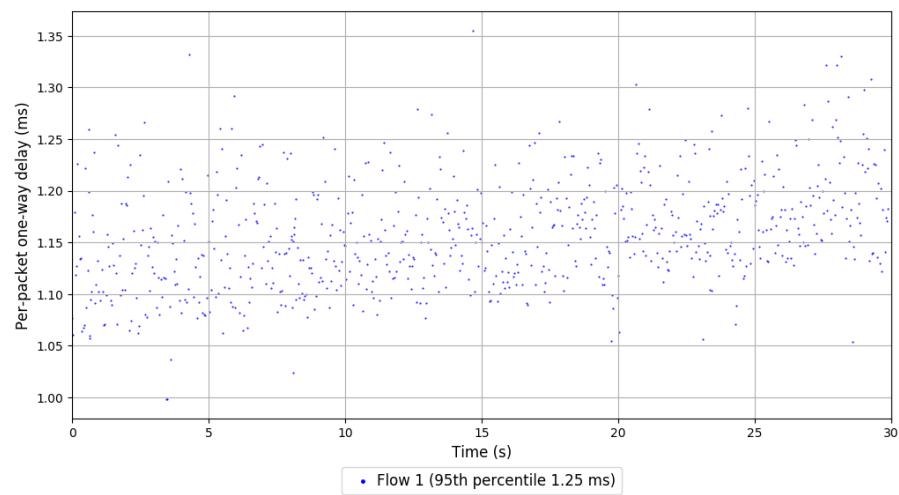
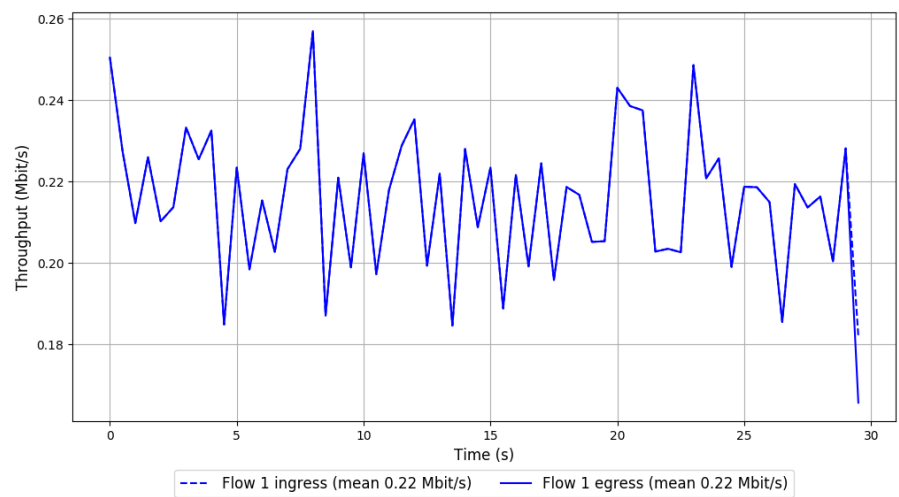


Run 3: Statistics of SCReAM

Start at: 2018-02-19 22:07:17
End at: 2018-02-19 22:07:47
Local clock offset: 4.23 ms
Remote clock offset: -6.343 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-02-19 22:34:50

End at: 2018-02-19 22:35:20

Local clock offset: 3.392 ms

Remote clock offset: -3.58 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.297 ms

Loss rate: 0.13%

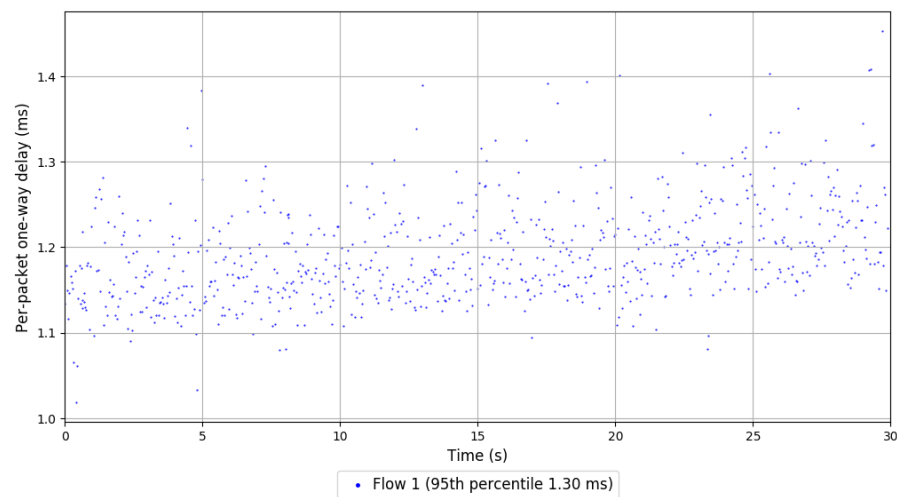
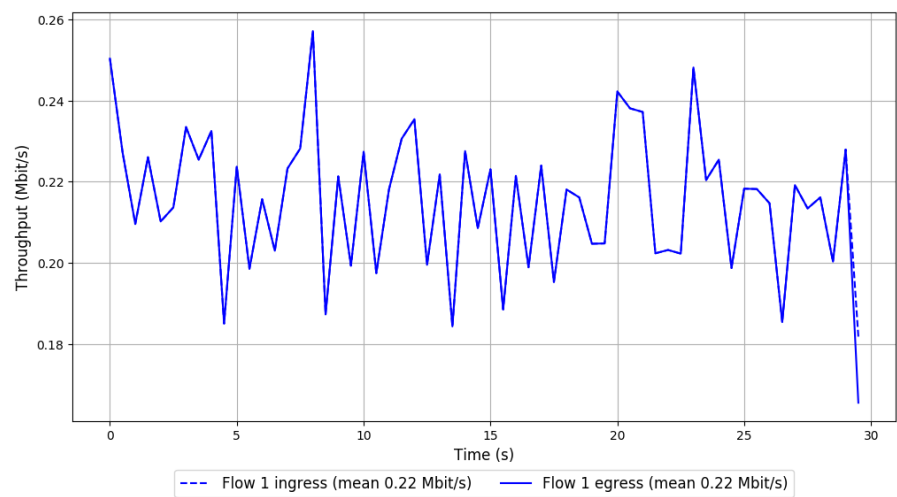
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.297 ms

Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

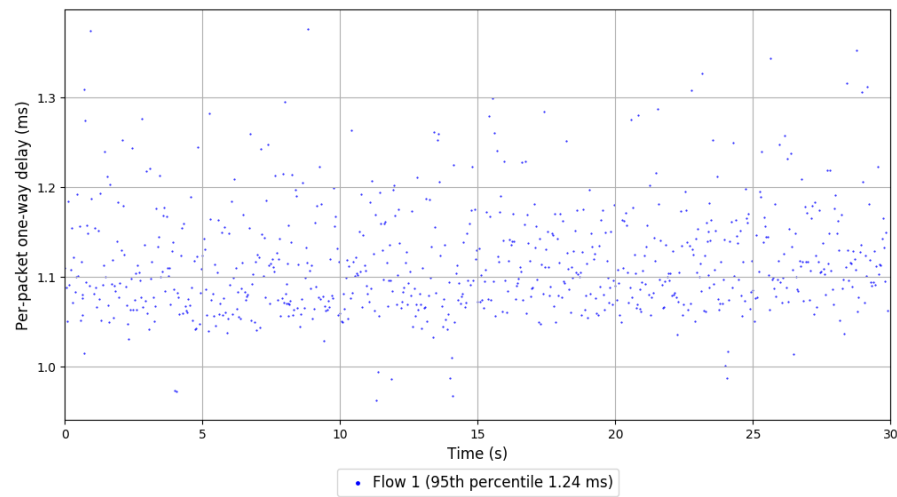
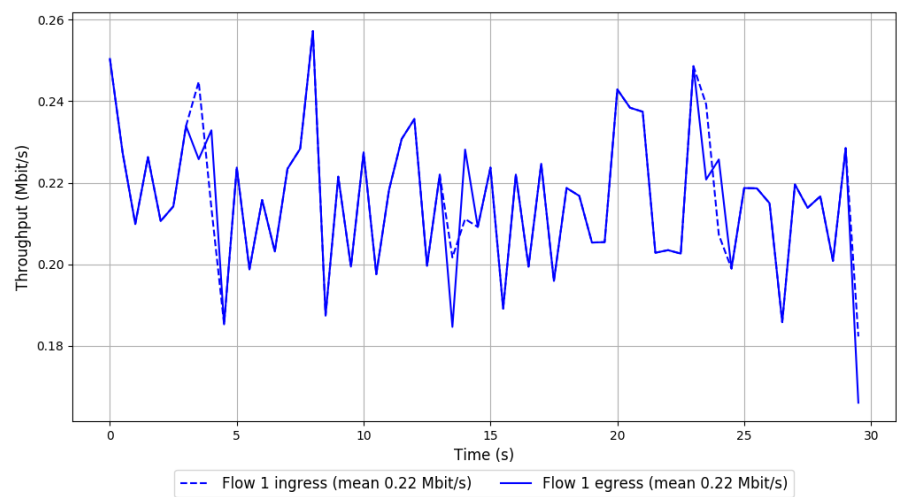


Run 5: Statistics of SCReAM

Start at: 2018-02-19 23:02:25
End at: 2018-02-19 23:02:55
Local clock offset: 2.806 ms
Remote clock offset: -2.467 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.13%

Run 5: Report of SCRaM — Data Link

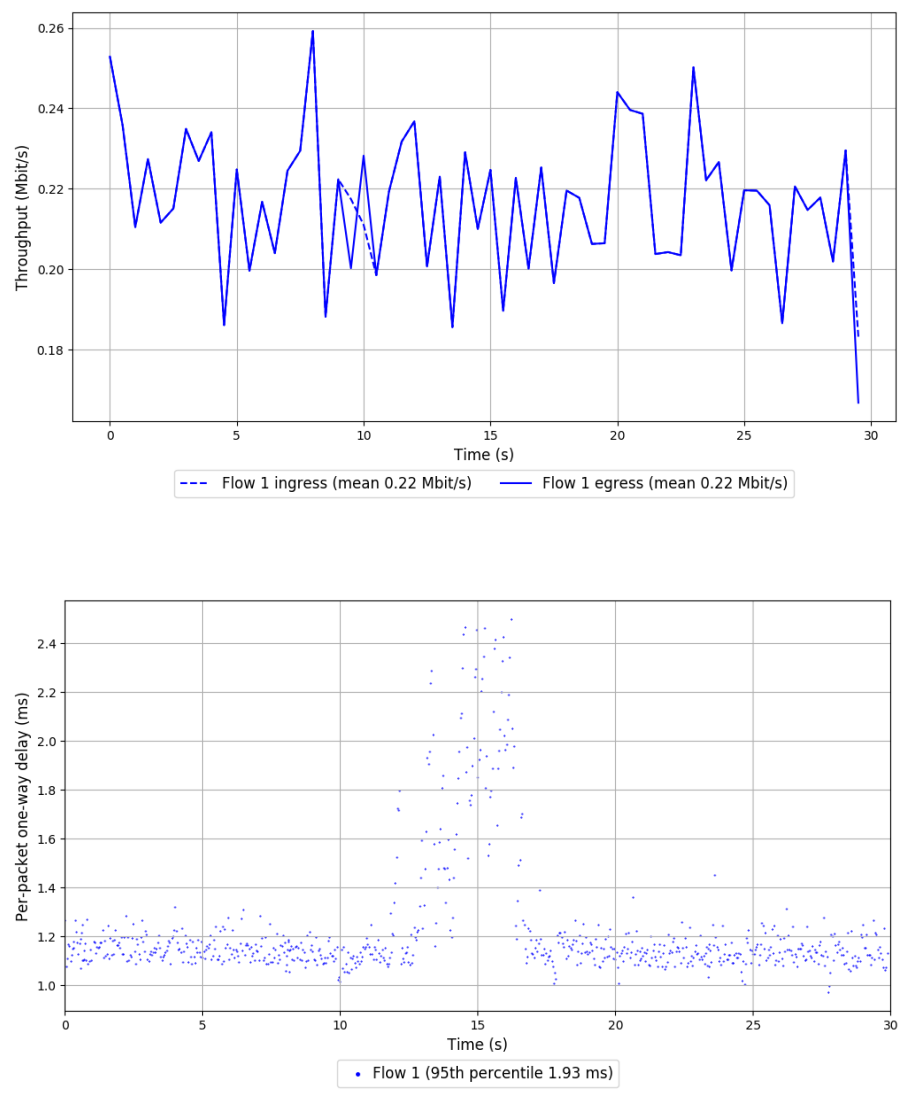


Run 6: Statistics of SCReAM

Start at: 2018-02-19 23:30:09
End at: 2018-02-19 23:30:39
Local clock offset: 3.022 ms
Remote clock offset: -4.053 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.932 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.932 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

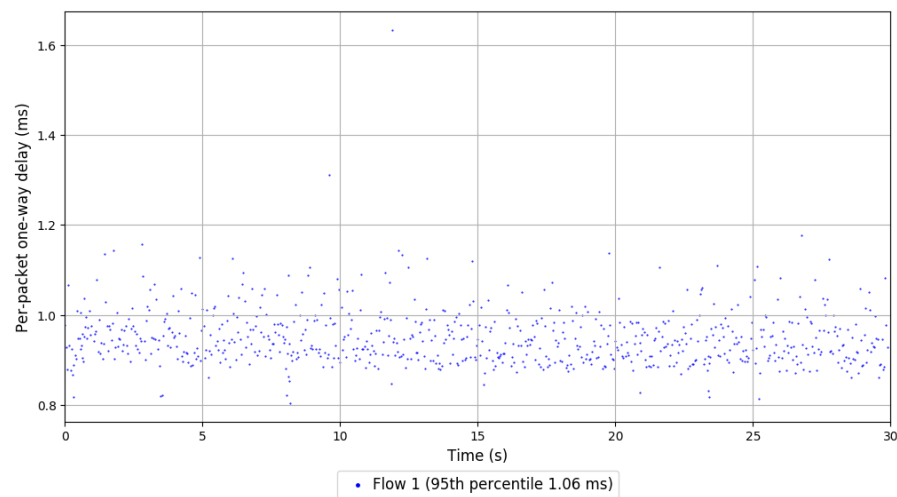
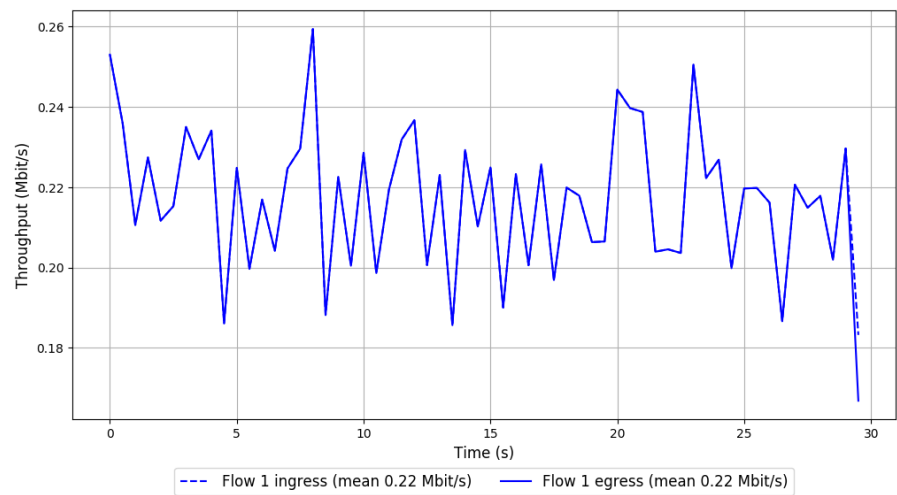


Run 7: Statistics of SCReAM

Start at: 2018-02-19 23:58:03
End at: 2018-02-19 23:58:33
Local clock offset: 2.651 ms
Remote clock offset: -5.156 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

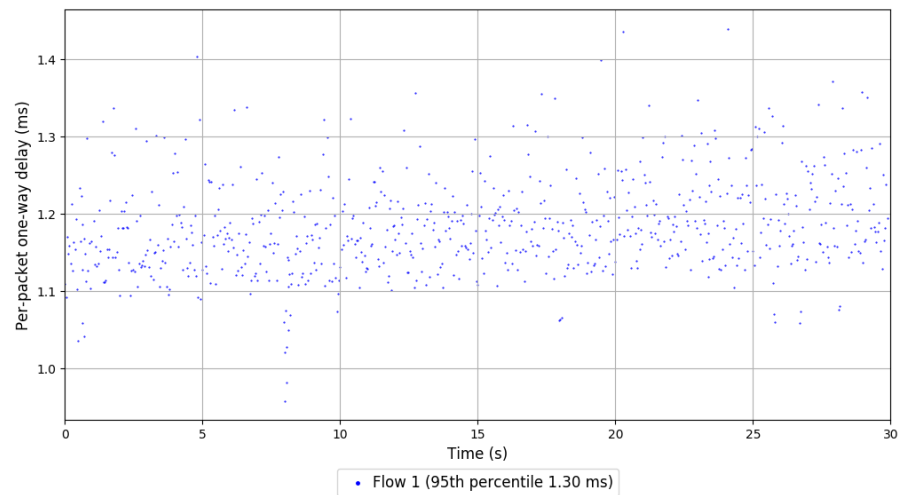
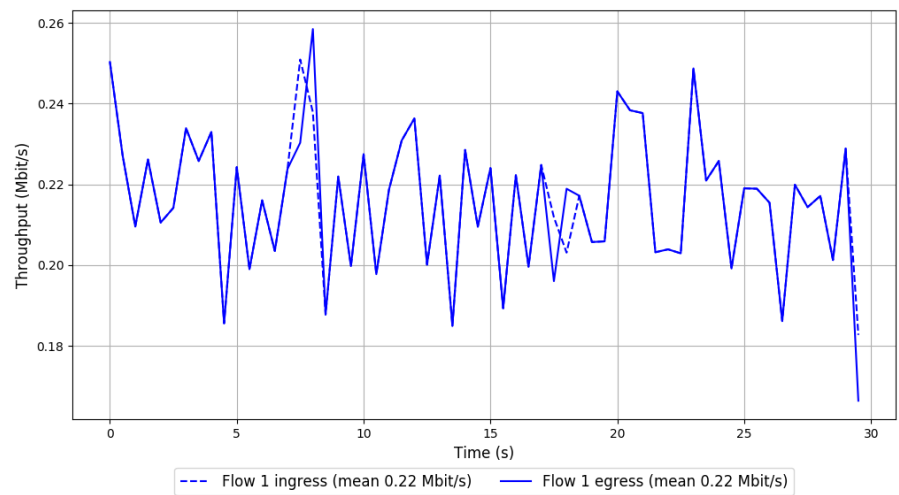


Run 8: Statistics of SCReAM

Start at: 2018-02-20 00:25:40
End at: 2018-02-20 00:26:10
Local clock offset: 2.346 ms
Remote clock offset: -5.671 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

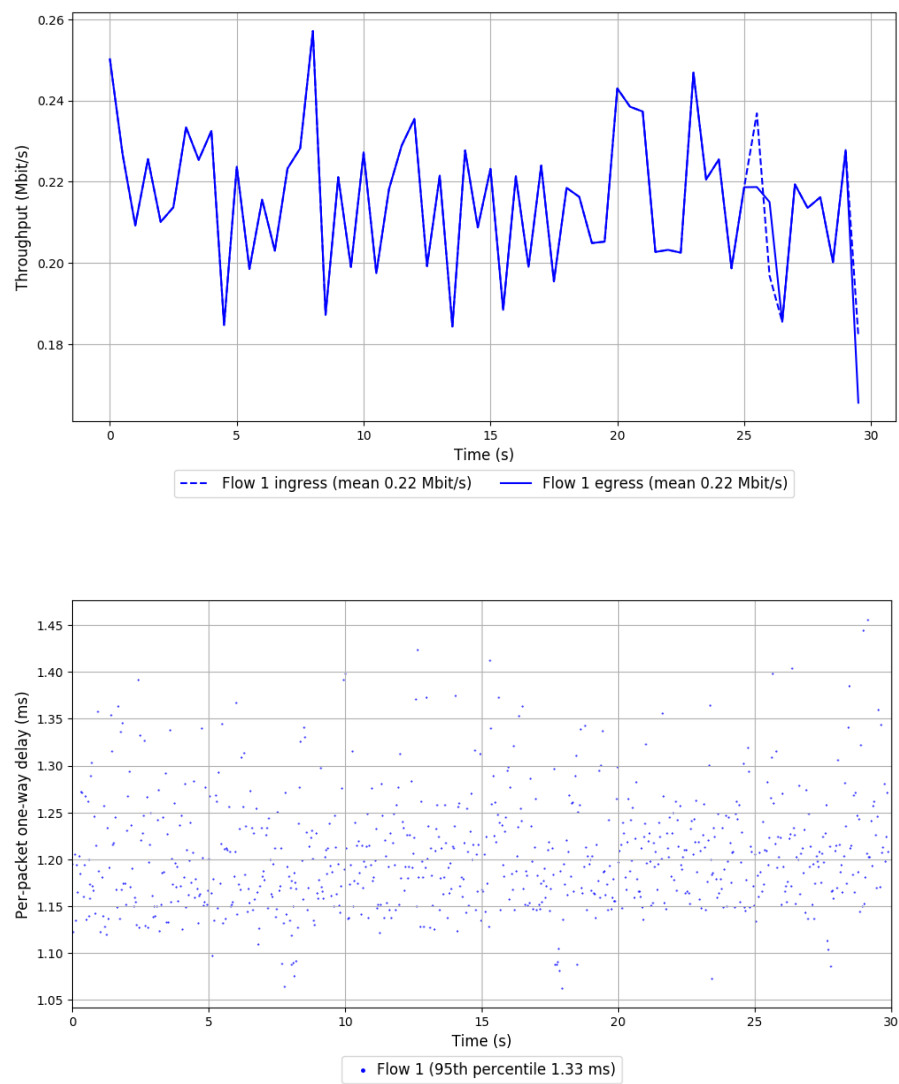


Run 9: Statistics of SCReAM

Start at: 2018-02-20 00:52:30
End at: 2018-02-20 00:53:00
Local clock offset: 1.315 ms
Remote clock offset: -5.147 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-20 01:20:05

End at: 2018-02-20 01:20:35

Local clock offset: 1.042 ms

Remote clock offset: -4.325 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.148 ms

Loss rate: 0.13%

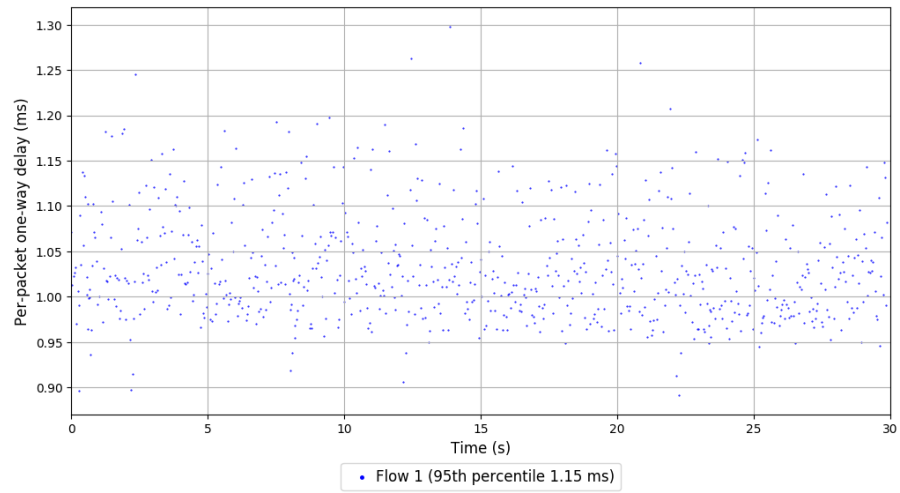
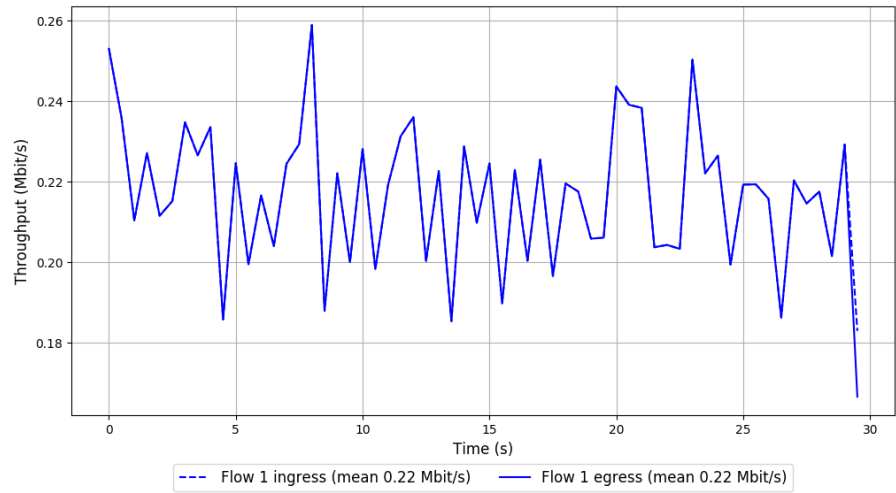
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.148 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-02-19 21:13:15

End at: 2018-02-19 21:13:45

Local clock offset: 2.326 ms

Remote clock offset: -5.817 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.158 ms

Loss rate: 0.00%

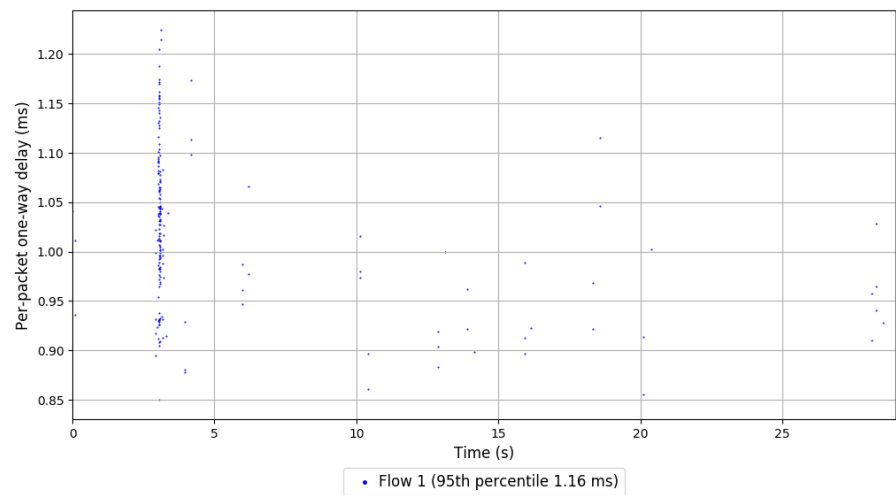
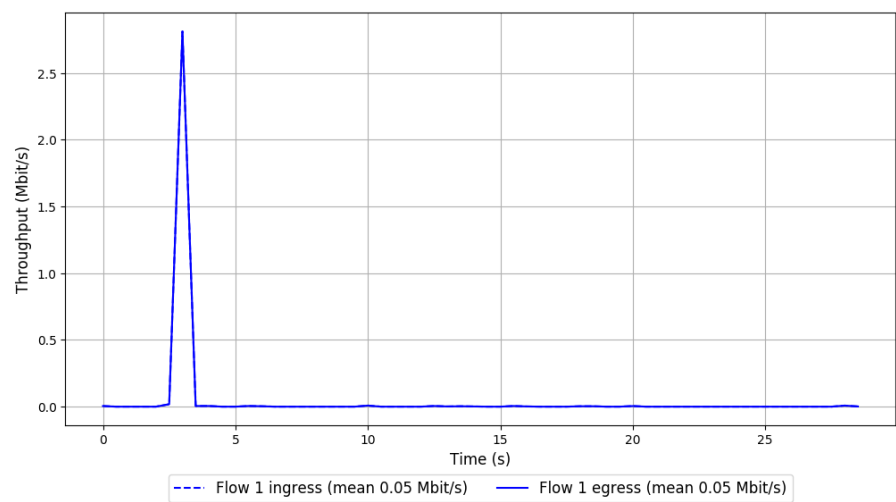
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.158 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

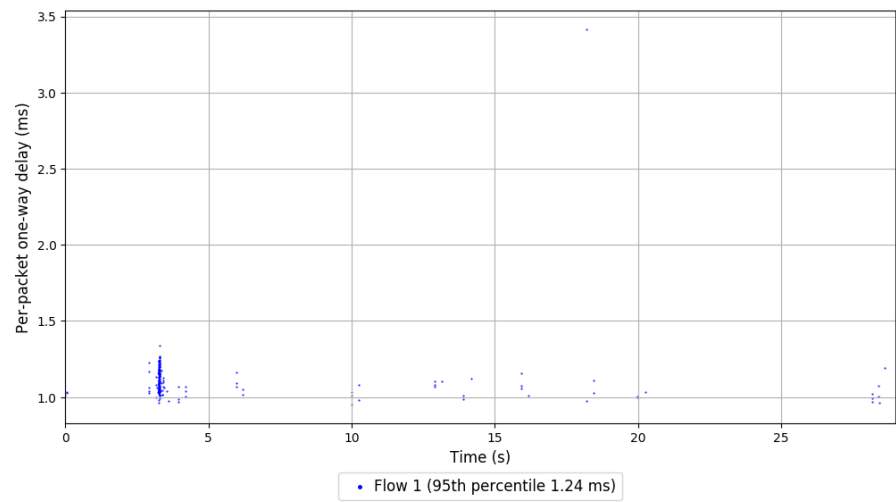
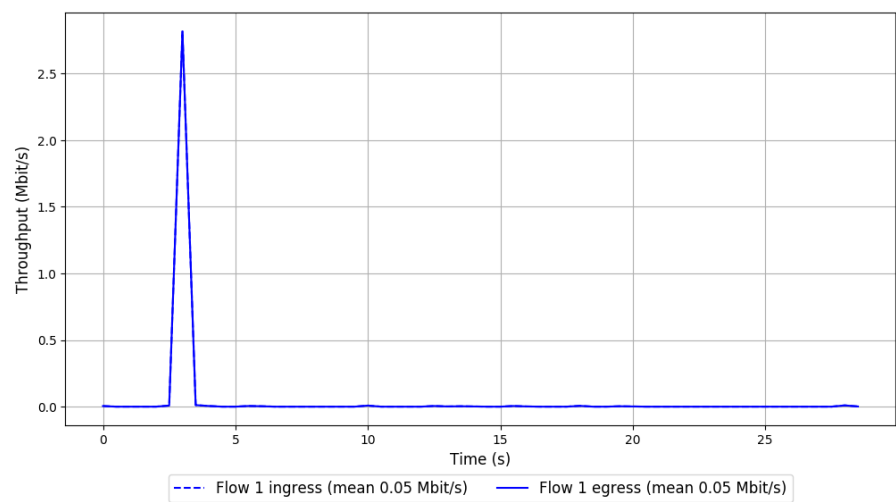


Run 2: Statistics of WebRTC media

Start at: 2018-02-19 21:41:11
End at: 2018-02-19 21:41:41
Local clock offset: 1.115 ms
Remote clock offset: -6.289 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

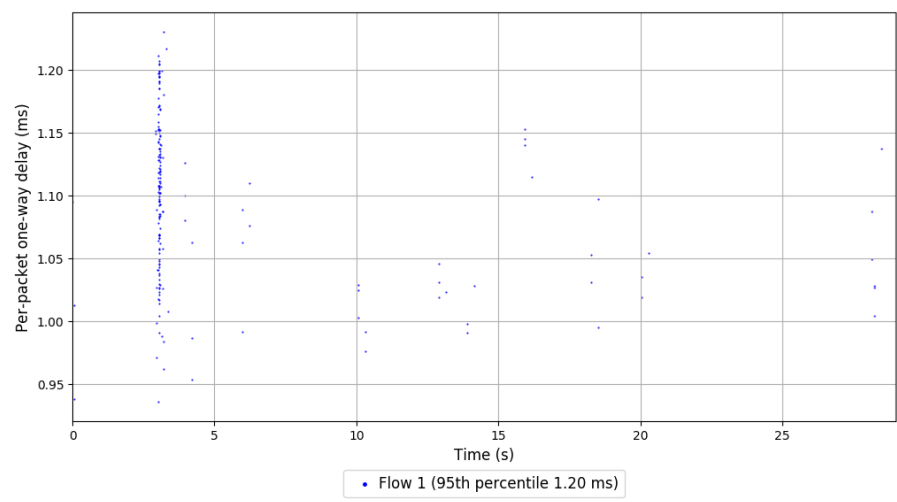
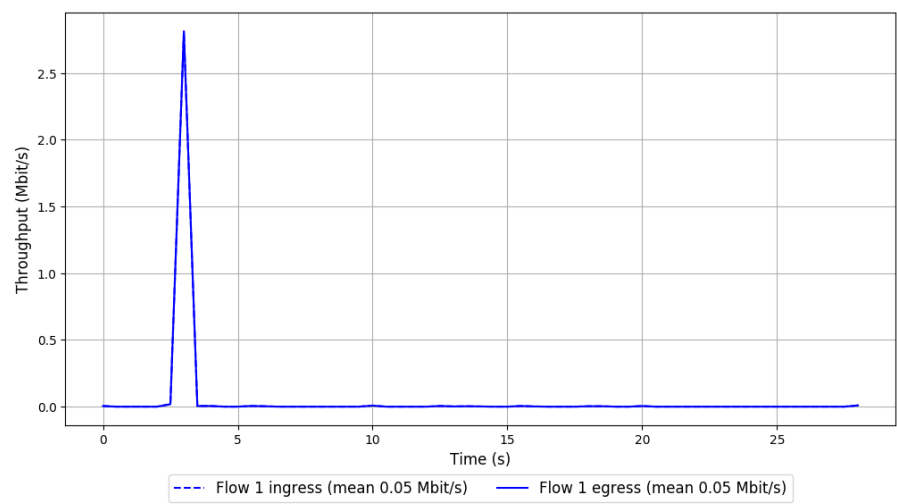


Run 3: Statistics of WebRTC media

Start at: 2018-02-19 22:08:35
End at: 2018-02-19 22:09:05
Local clock offset: 4.341 ms
Remote clock offset: -6.056 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

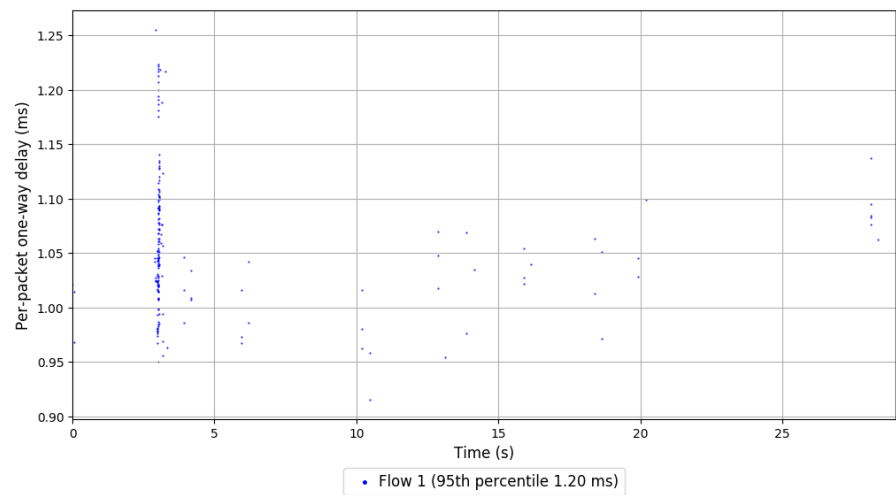
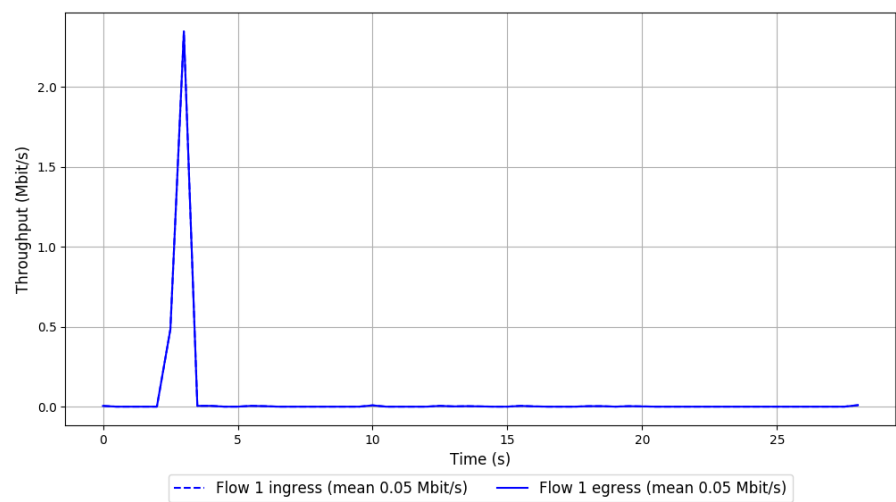


Run 4: Statistics of WebRTC media

Start at: 2018-02-19 22:36:08
End at: 2018-02-19 22:36:38
Local clock offset: 3.272 ms
Remote clock offset: -3.465 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

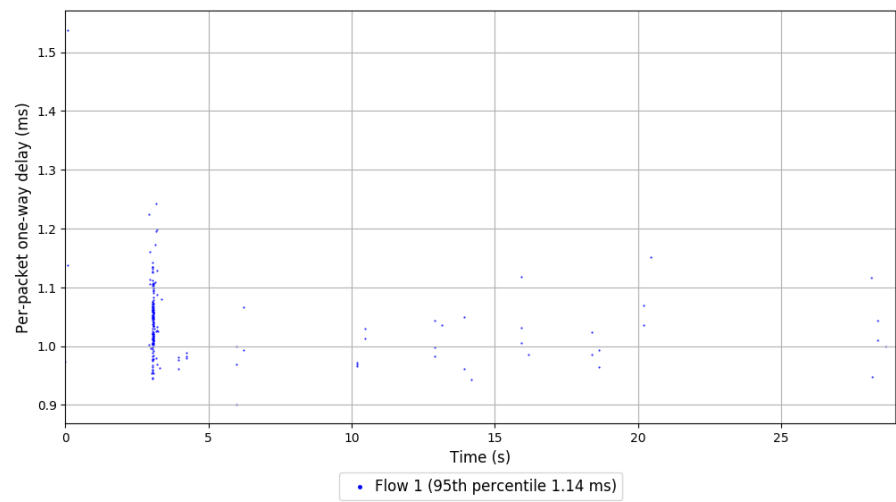
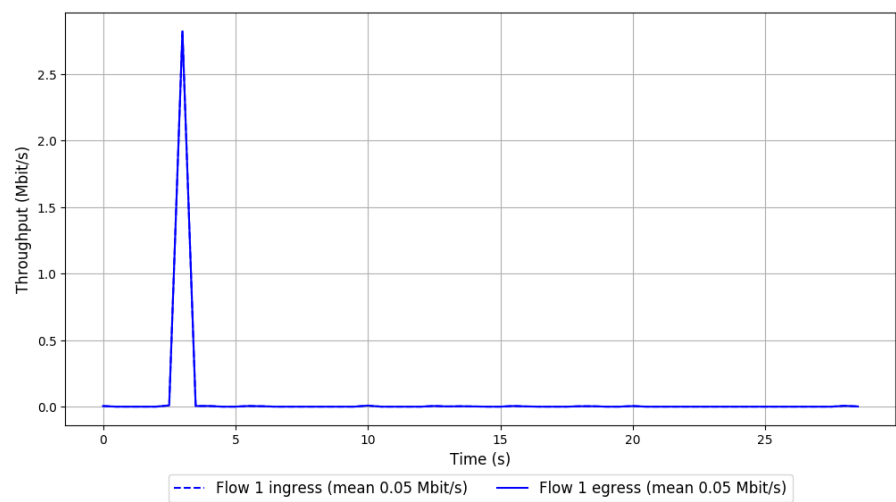


Run 5: Statistics of WebRTC media

Start at: 2018-02-19 23:03:43
End at: 2018-02-19 23:04:13
Local clock offset: 2.83 ms
Remote clock offset: -2.425 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-19 23:31:27

End at: 2018-02-19 23:31:57

Local clock offset: 3.011 ms

Remote clock offset: -4.12 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.00%

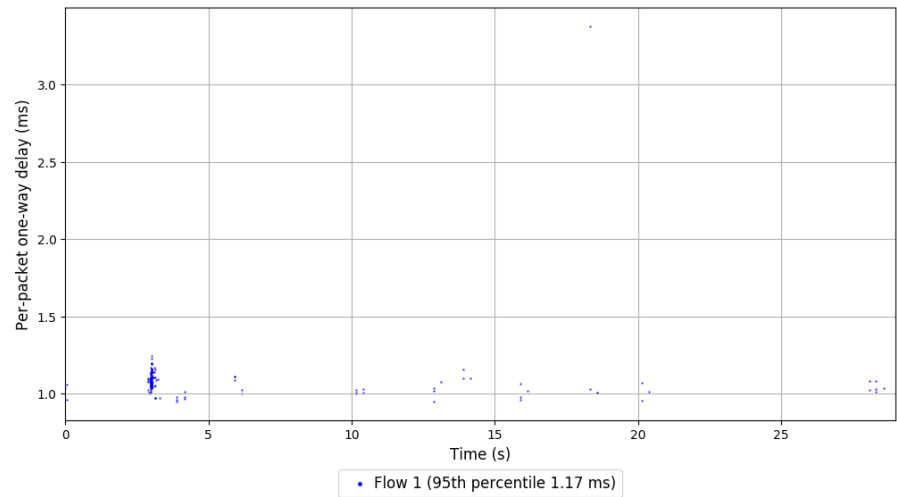
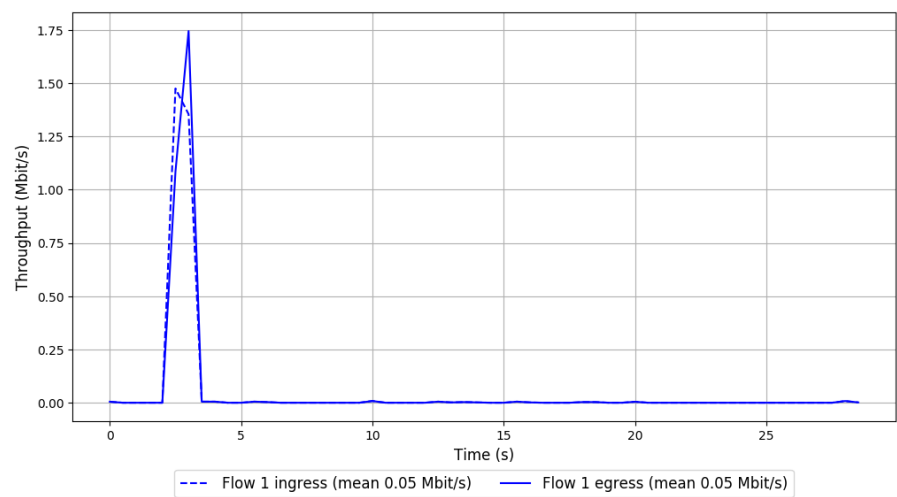
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

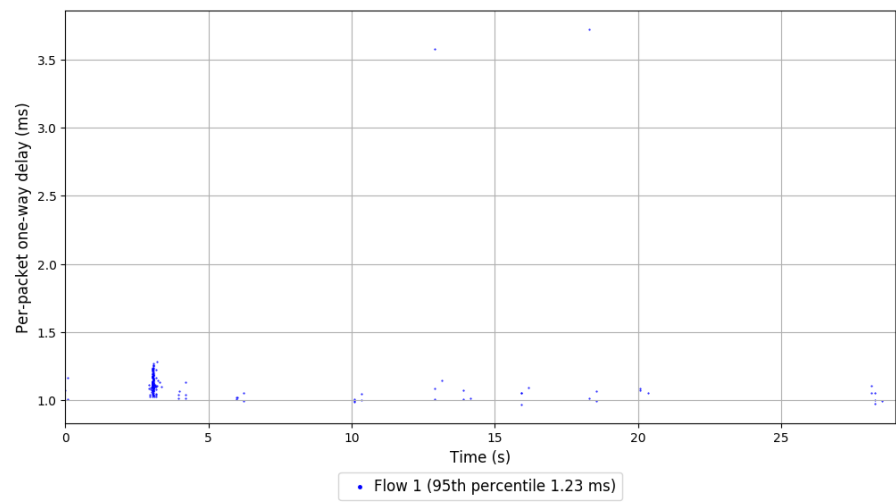
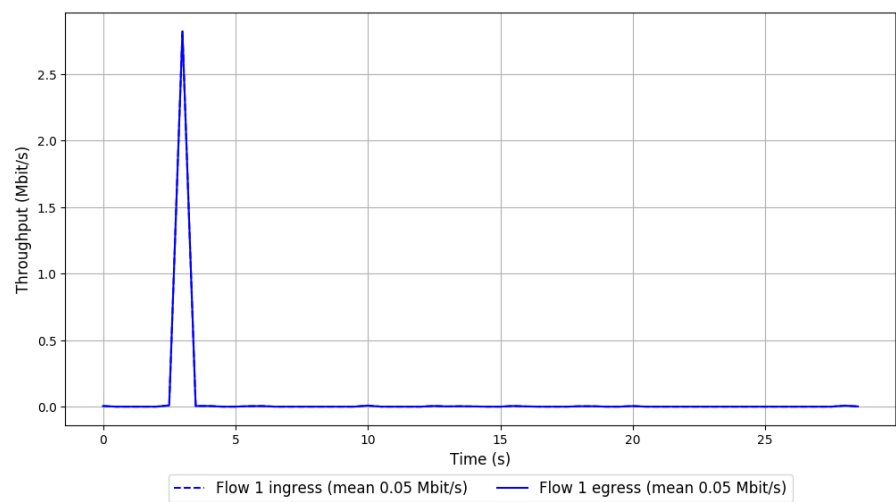


Run 7: Statistics of WebRTC media

Start at: 2018-02-19 23:59:21
End at: 2018-02-19 23:59:51
Local clock offset: 2.753 ms
Remote clock offset: -5.342 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

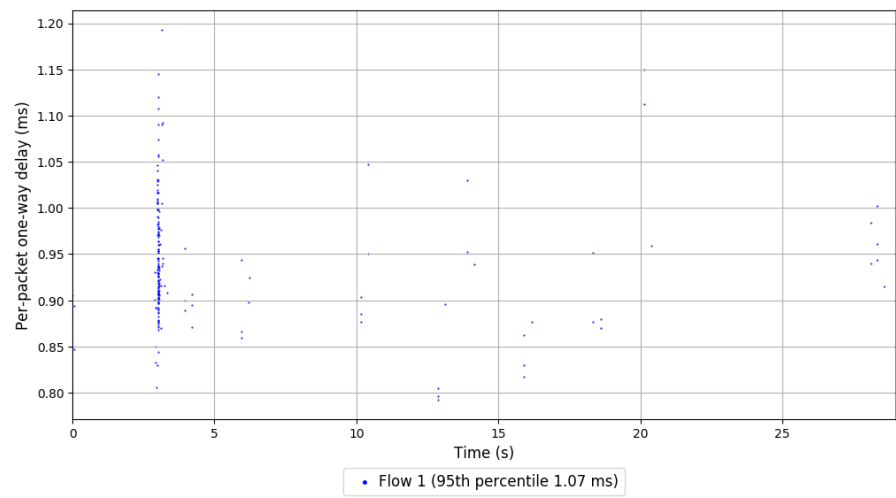
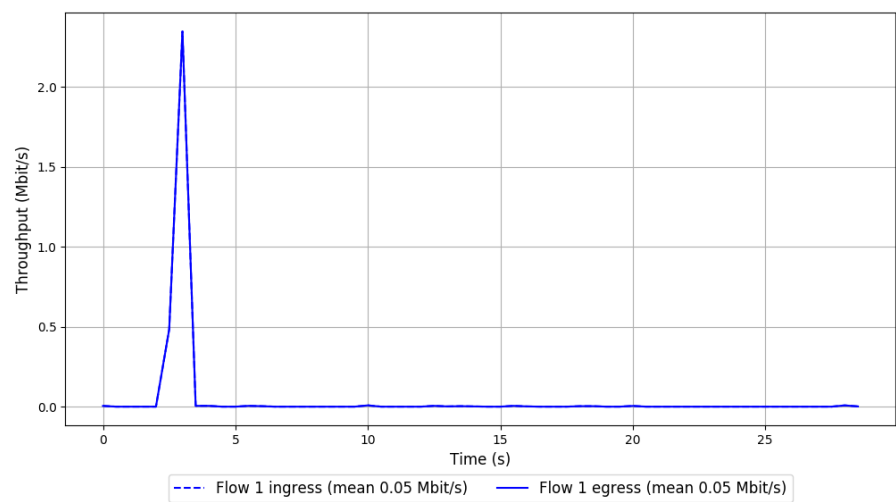


Run 8: Statistics of WebRTC media

Start at: 2018-02-20 00:26:58
End at: 2018-02-20 00:27:28
Local clock offset: 2.231 ms
Remote clock offset: -5.524 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

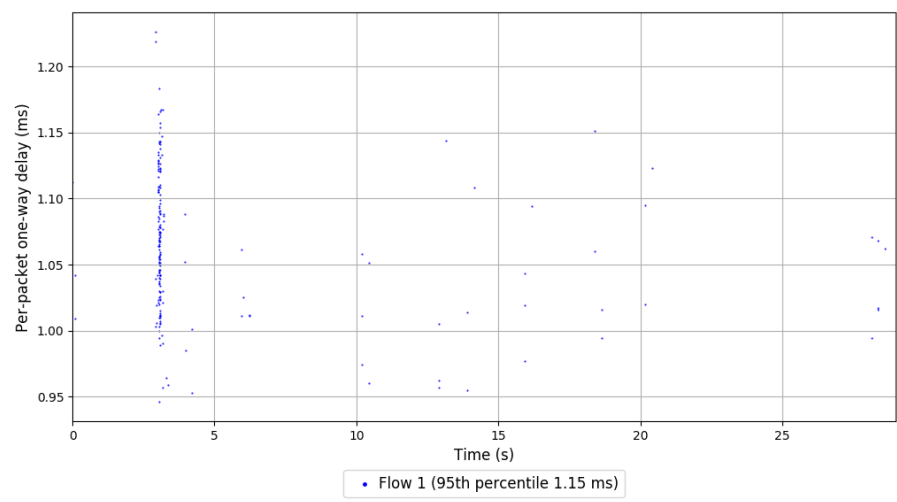
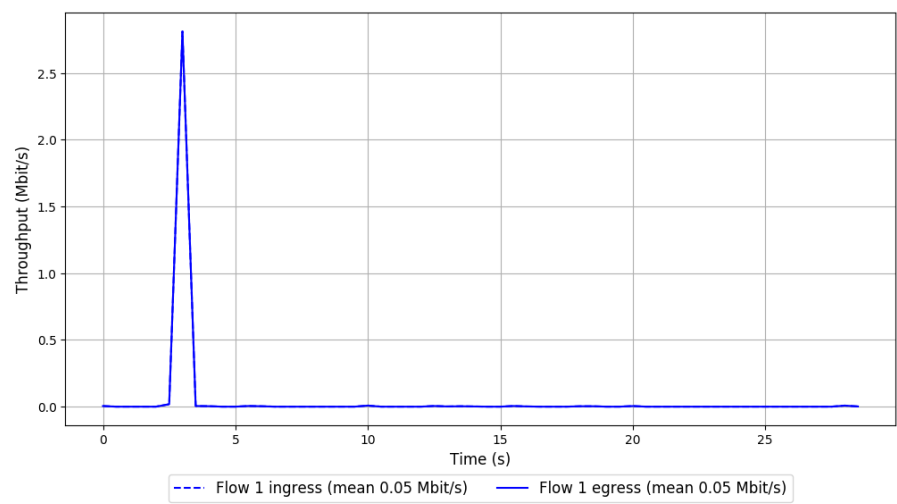


Run 9: Statistics of WebRTC media

Start at: 2018-02-20 00:53:48
End at: 2018-02-20 00:54:18
Local clock offset: 1.267 ms
Remote clock offset: -5.086 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-20 01:21:23

End at: 2018-02-20 01:21:53

Local clock offset: 1.16 ms

Remote clock offset: -4.384 ms

Below is generated by plot.py at 2018-02-20 07:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.158 ms

Loss rate: 0.00%

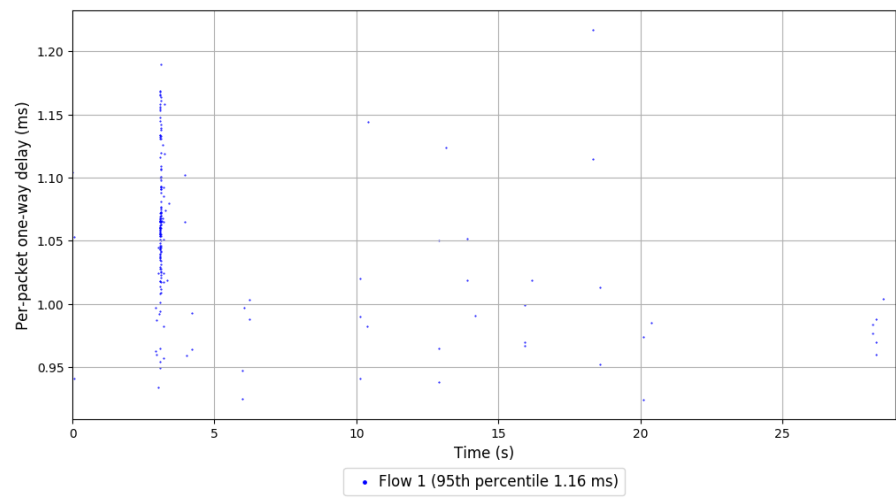
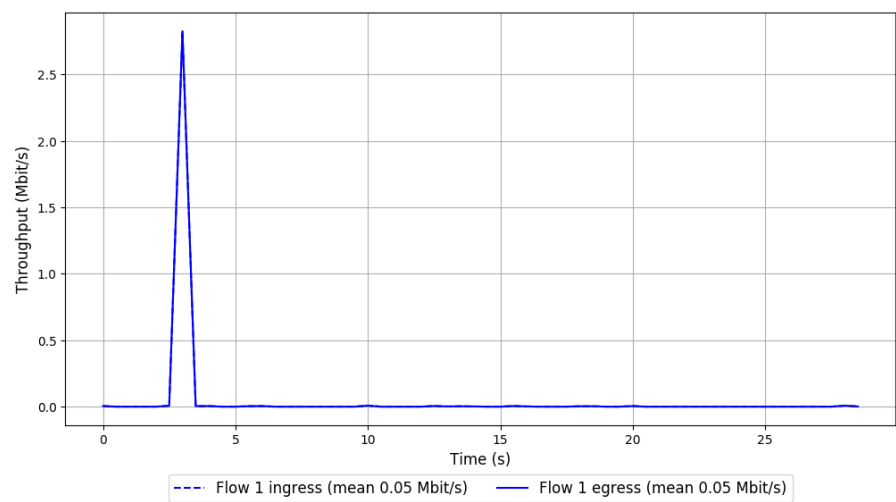
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.158 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

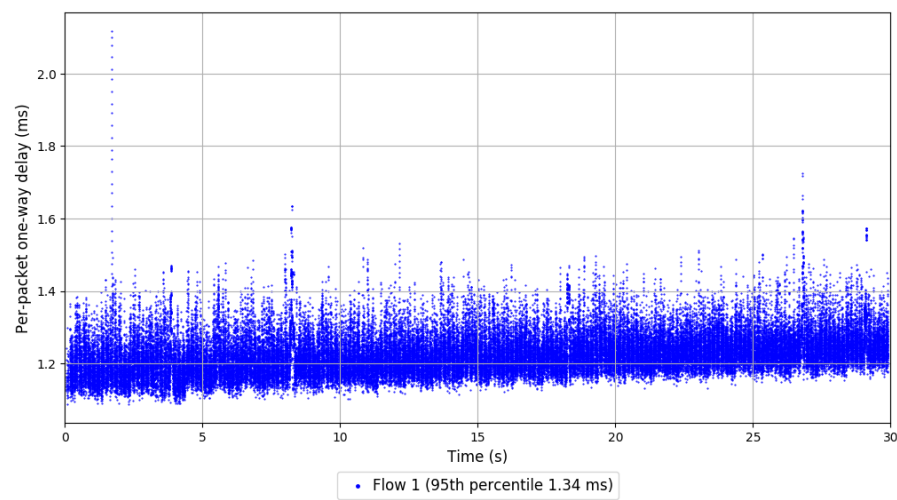
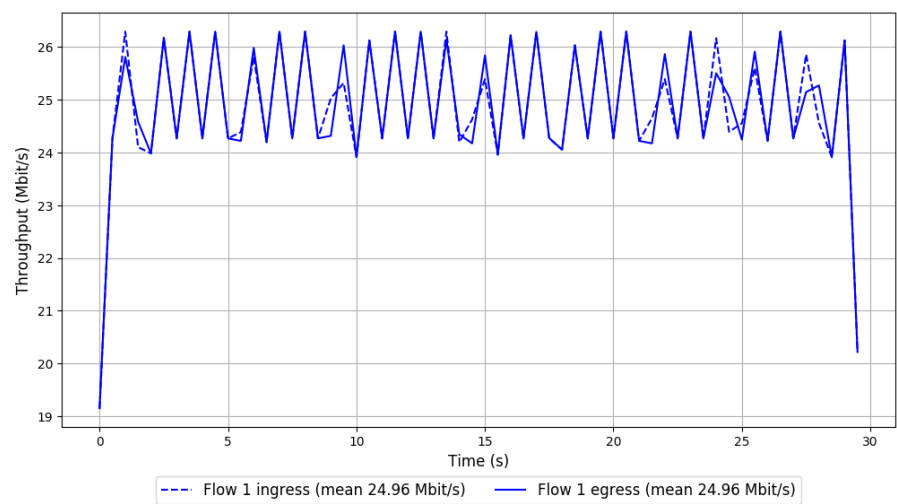


Run 1: Statistics of Sprout

Start at: 2018-02-19 21:14:33
End at: 2018-02-19 21:15:03
Local clock offset: 2.347 ms
Remote clock offset: -5.891 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

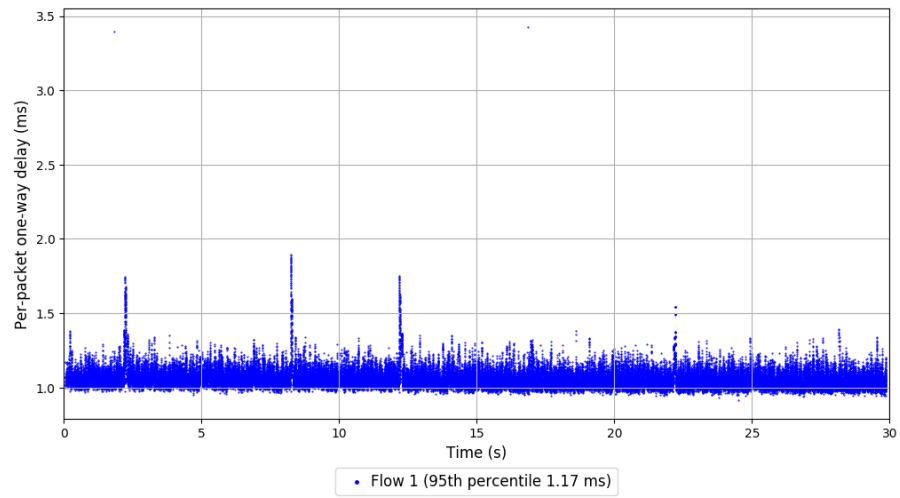
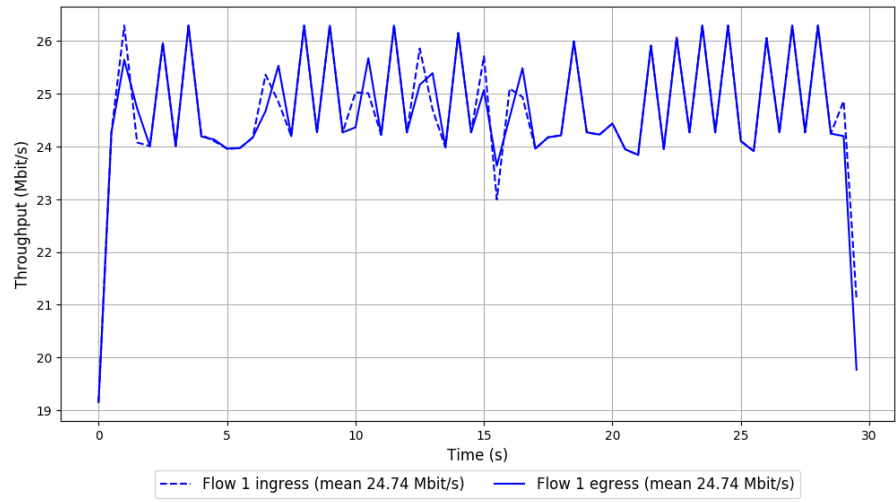


Run 2: Statistics of Sprout

Start at: 2018-02-19 21:42:29
End at: 2018-02-19 21:42:59
Local clock offset: 1.119 ms
Remote clock offset: -6.324 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.14%

Run 2: Report of Sprout — Data Link

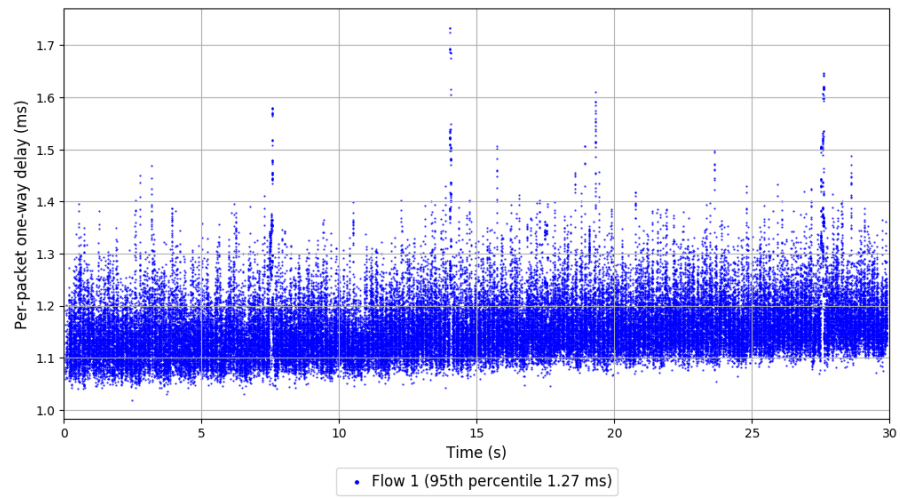
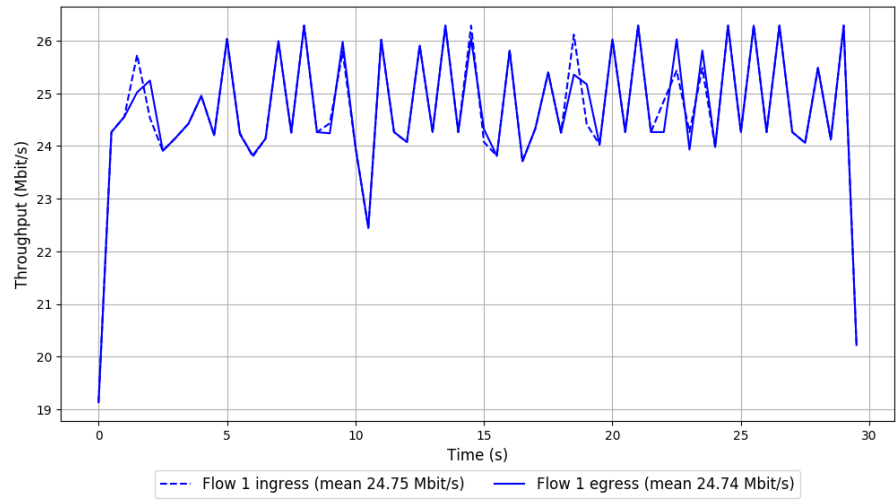


Run 3: Statistics of Sprout

Start at: 2018-02-19 22:09:53
End at: 2018-02-19 22:10:23
Local clock offset: 4.483 ms
Remote clock offset: -5.809 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 1.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 1.266 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

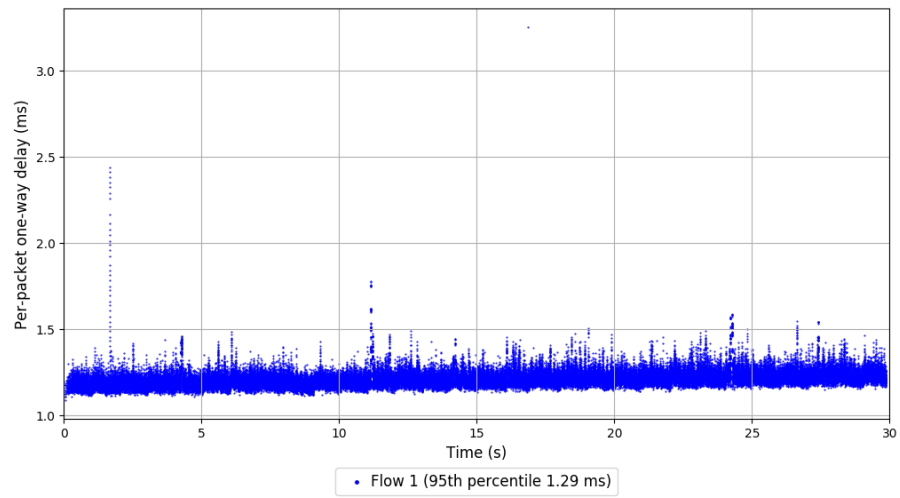
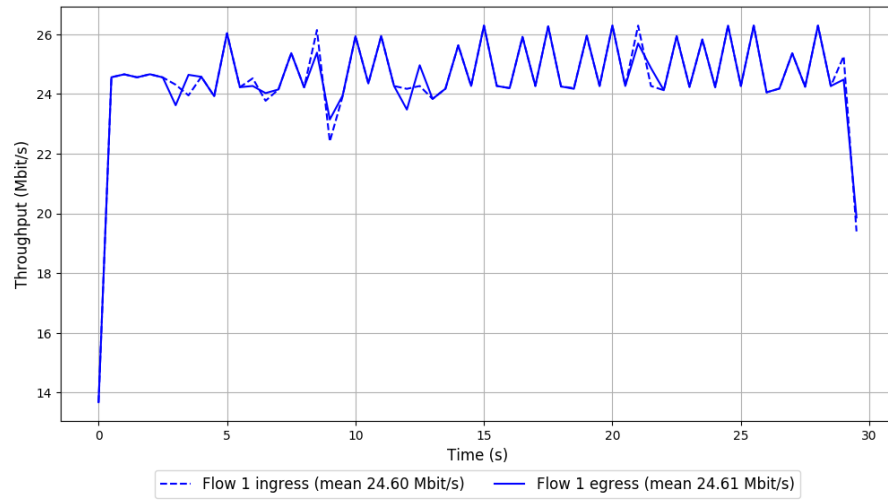


Run 4: Statistics of Sprout

Start at: 2018-02-19 22:37:26
End at: 2018-02-19 22:37:56
Local clock offset: 3.279 ms
Remote clock offset: -3.471 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.02%

Run 4: Report of Sprout — Data Link

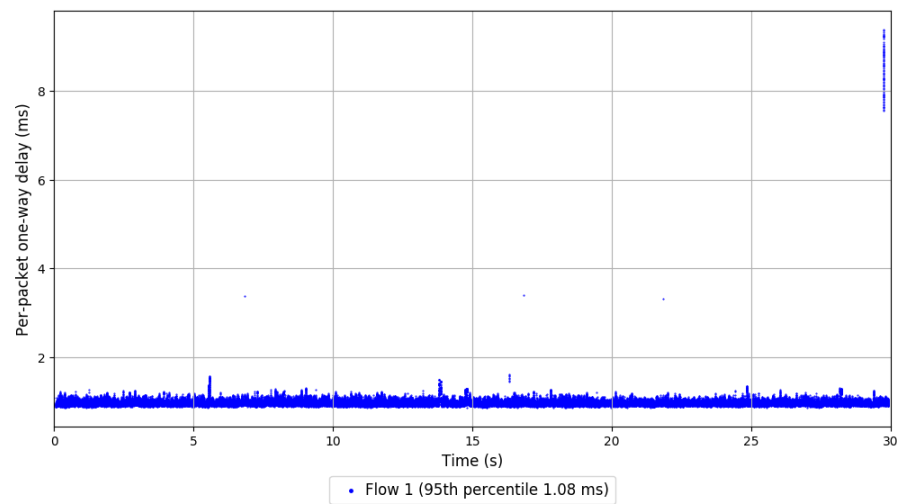
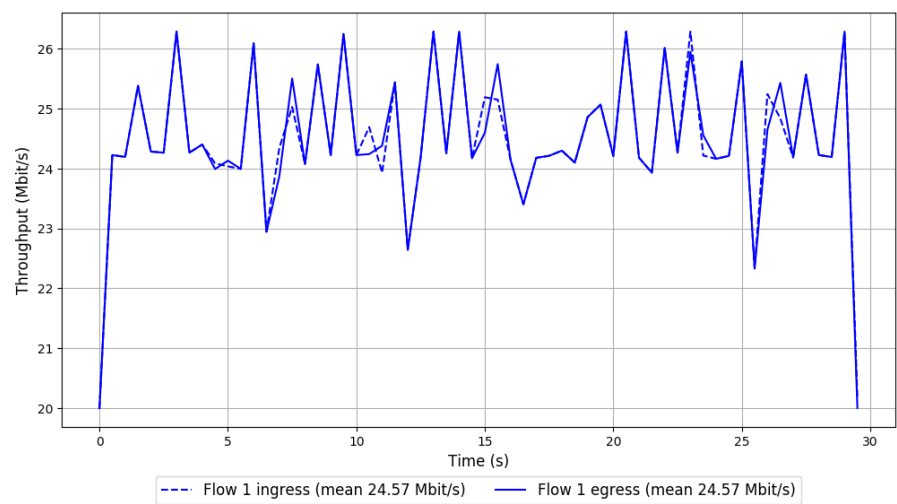


Run 5: Statistics of Sprout

Start at: 2018-02-19 23:05:01
End at: 2018-02-19 23:05:31
Local clock offset: 2.728 ms
Remote clock offset: -2.412 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.01%

Run 5: Report of Sprout — Data Link

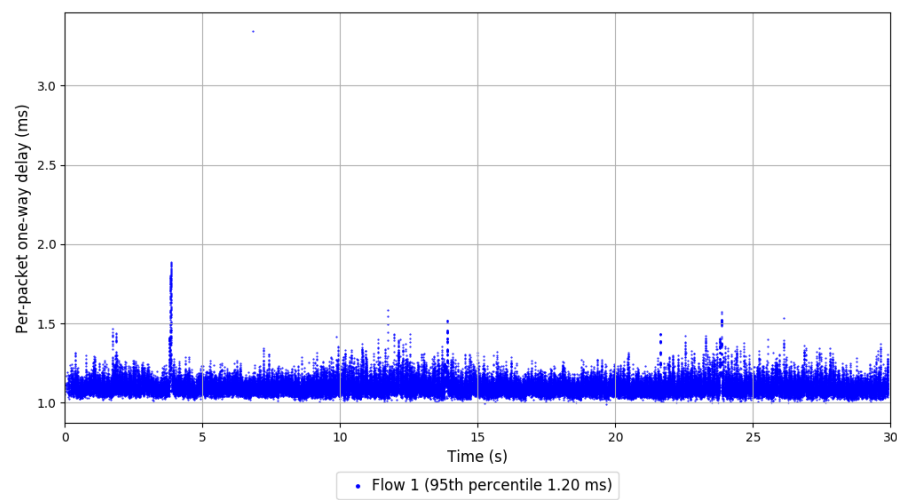
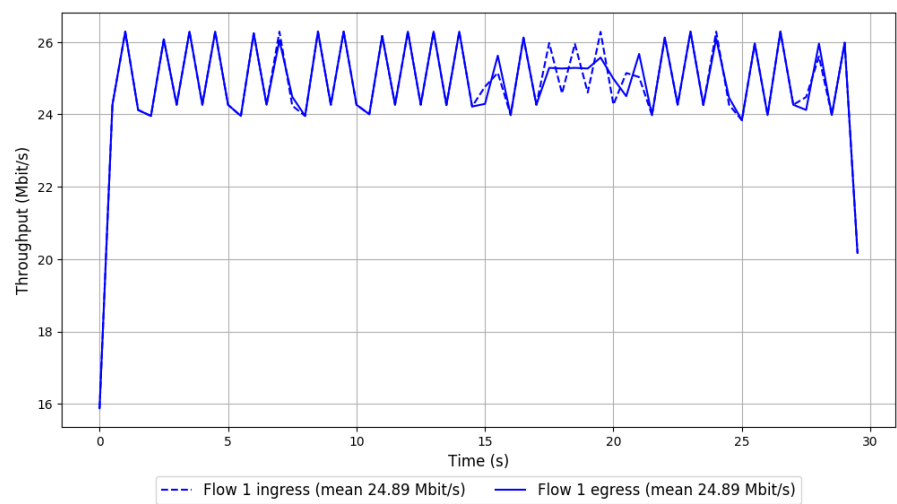


Run 6: Statistics of Sprout

Start at: 2018-02-19 23:32:45
End at: 2018-02-19 23:33:15
Local clock offset: 3.034 ms
Remote clock offset: -4.166 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

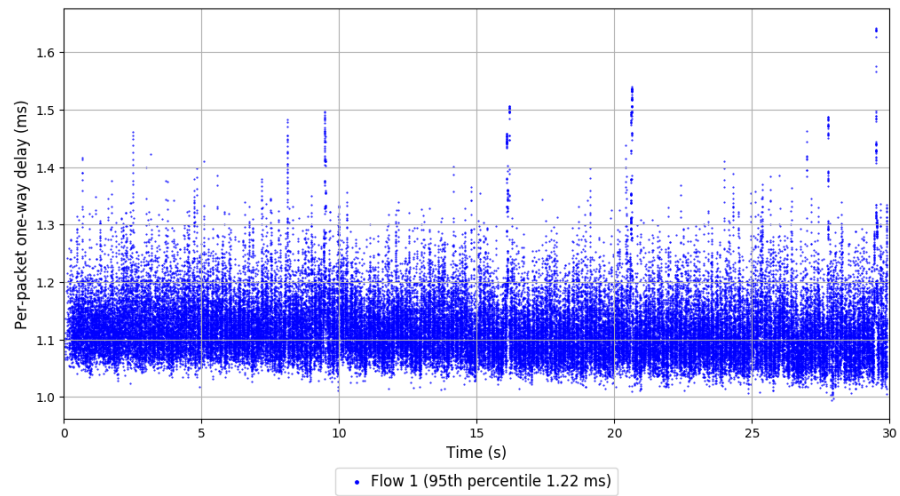
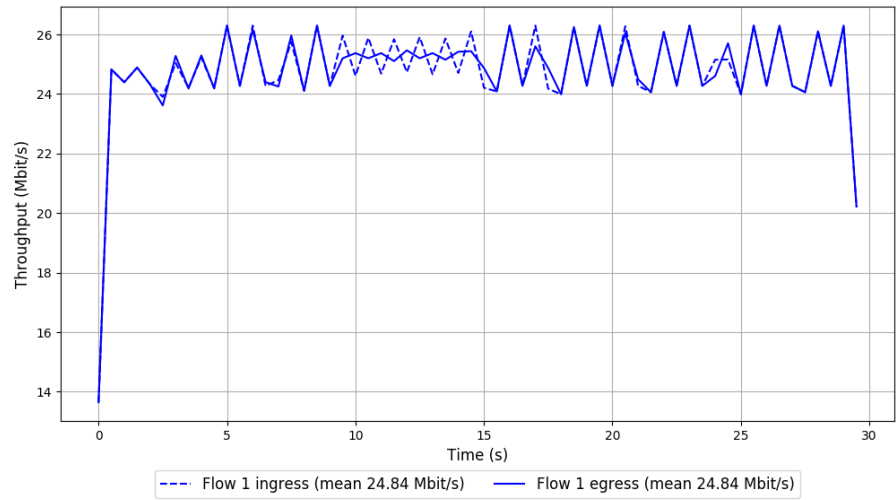


Run 7: Statistics of Sprout

Start at: 2018-02-20 00:00:39
End at: 2018-02-20 00:01:09
Local clock offset: 2.778 ms
Remote clock offset: -5.393 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

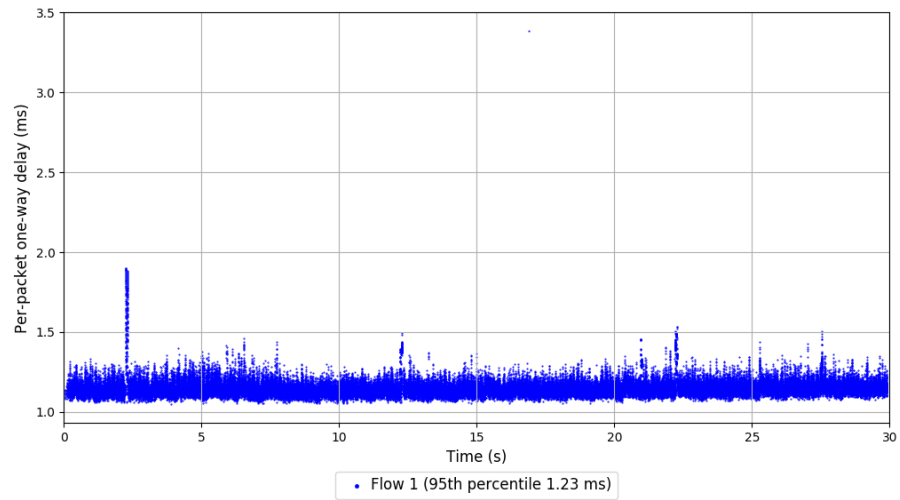
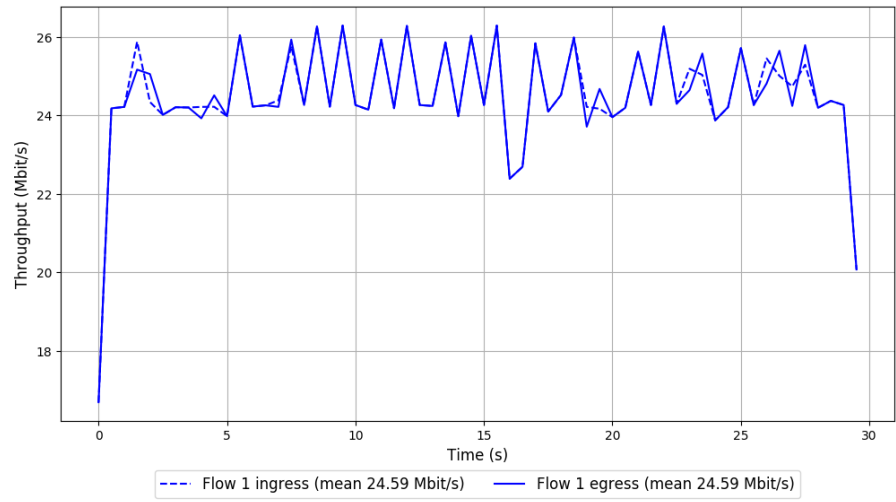


Run 8: Statistics of Sprout

Start at: 2018-02-20 00:28:16
End at: 2018-02-20 00:28:46
Local clock offset: 2.305 ms
Remote clock offset: -5.554 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

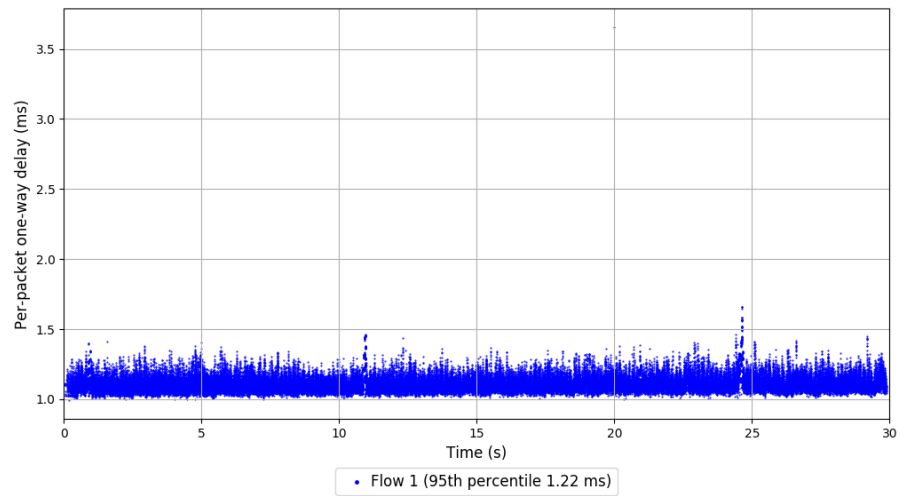
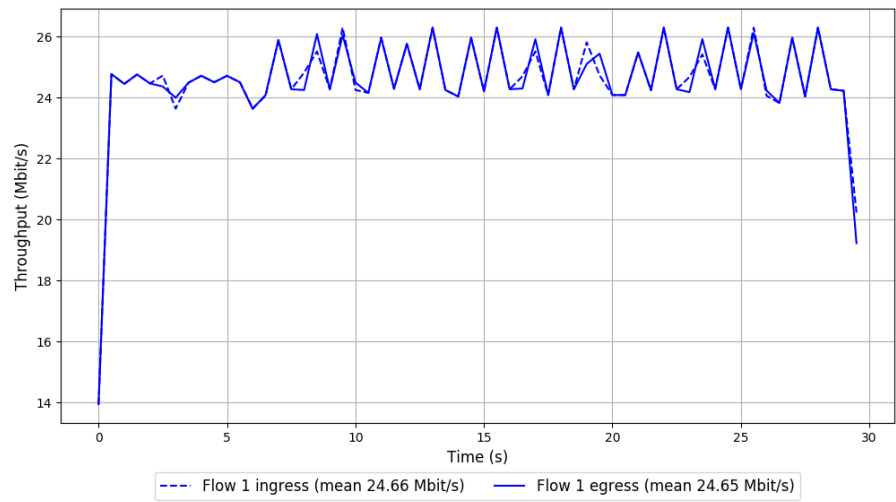


Run 9: Statistics of Sprout

Start at: 2018-02-20 00:55:07
End at: 2018-02-20 00:55:37
Local clock offset: 1.209 ms
Remote clock offset: -5.088 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.07%

Run 9: Report of Sprout — Data Link

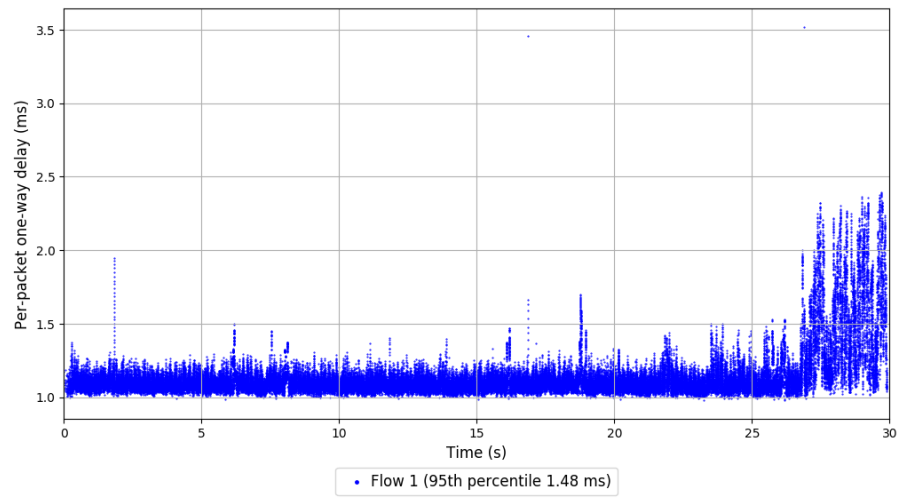
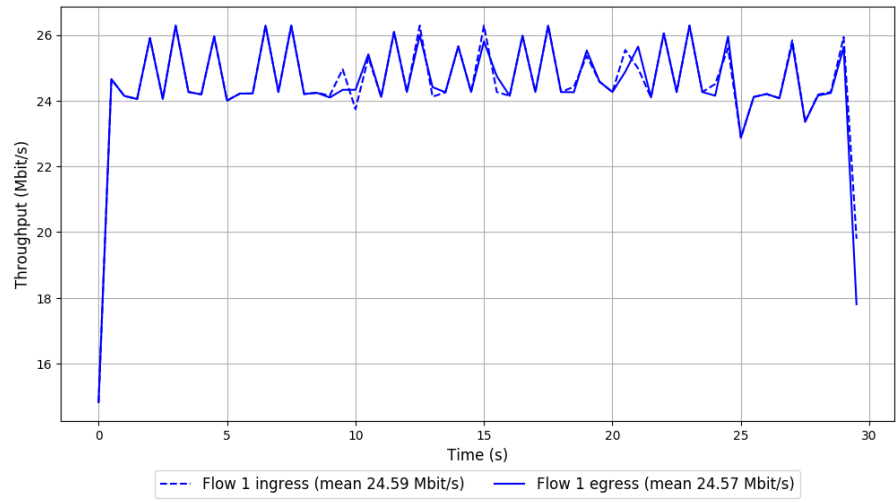


Run 10: Statistics of Sprout

Start at: 2018-02-20 01:22:41
End at: 2018-02-20 01:23:11
Local clock offset: 1.236 ms
Remote clock offset: -4.399 ms

Below is generated by plot.py at 2018-02-20 07:14:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 1.484 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 1.484 ms
Loss rate: 0.17%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-02-19 21:30:25

End at: 2018-02-19 21:30:55

Local clock offset: 1.284 ms

Remote clock offset: -5.27 ms

Below is generated by plot.py at 2018-02-20 07:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.54 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.07%

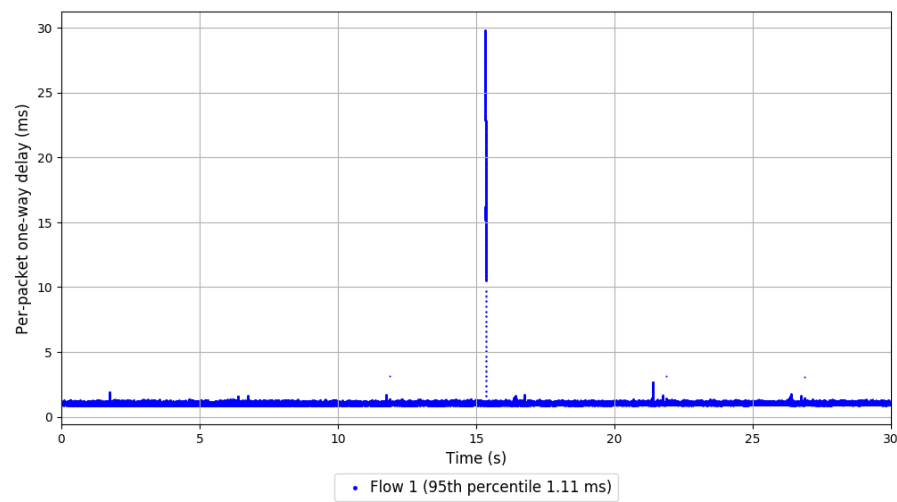
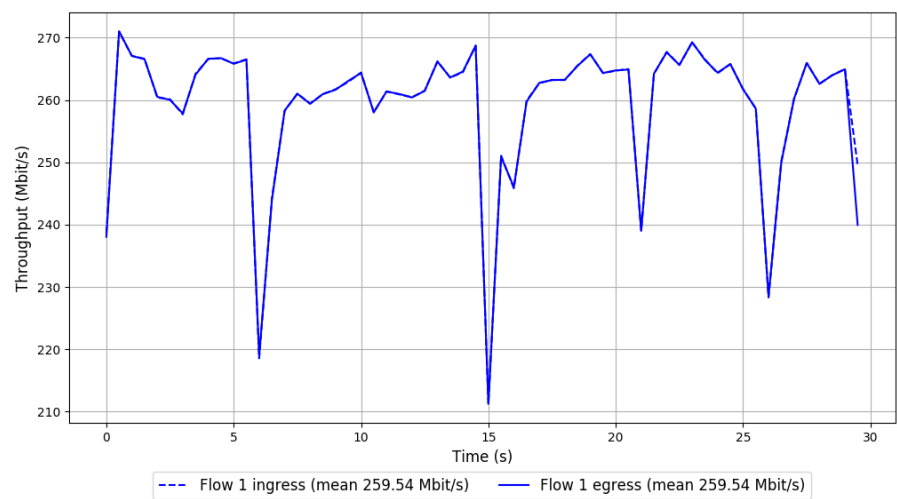
-- Flow 1:

Average throughput: 259.54 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.07%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-02-19 21:58:09

End at: 2018-02-19 21:58:39

Local clock offset: 2.994 ms

Remote clock offset: -6.735 ms

Below is generated by plot.py at 2018-02-20 07:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.84 Mbit/s

95th percentile per-packet one-way delay: 1.069 ms

Loss rate: 0.03%

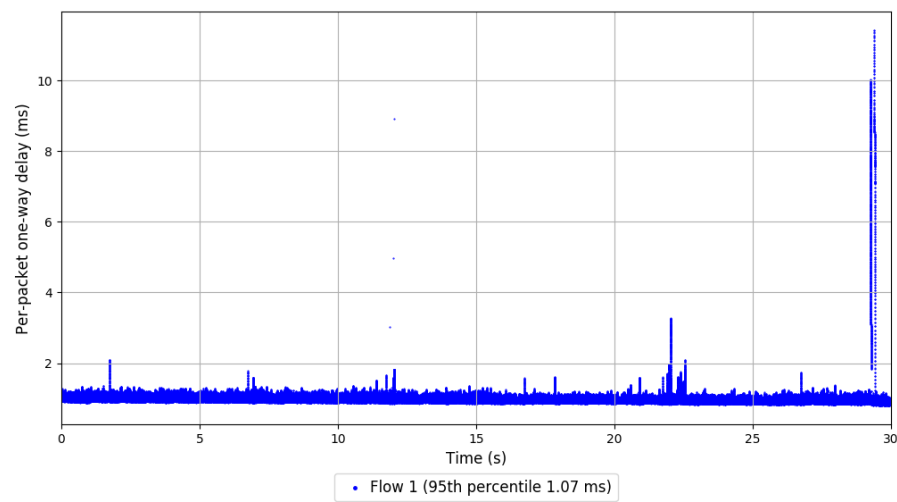
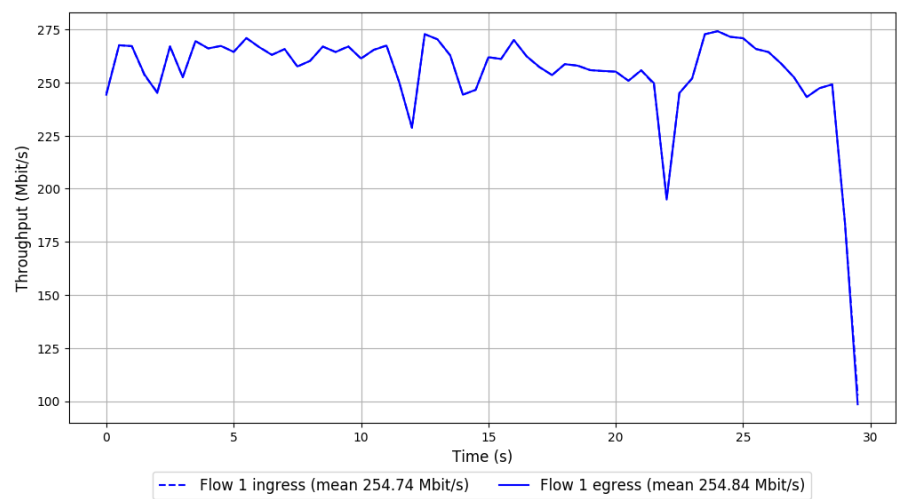
-- Flow 1:

Average throughput: 254.84 Mbit/s

95th percentile per-packet one-way delay: 1.069 ms

Loss rate: 0.03%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-19 22:25:45

End at: 2018-02-19 22:26:15

Local clock offset: 5.088 ms

Remote clock offset: -3.996 ms

Below is generated by plot.py at 2018-02-20 07:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.89 Mbit/s

95th percentile per-packet one-way delay: 1.407 ms

Loss rate: 0.07%

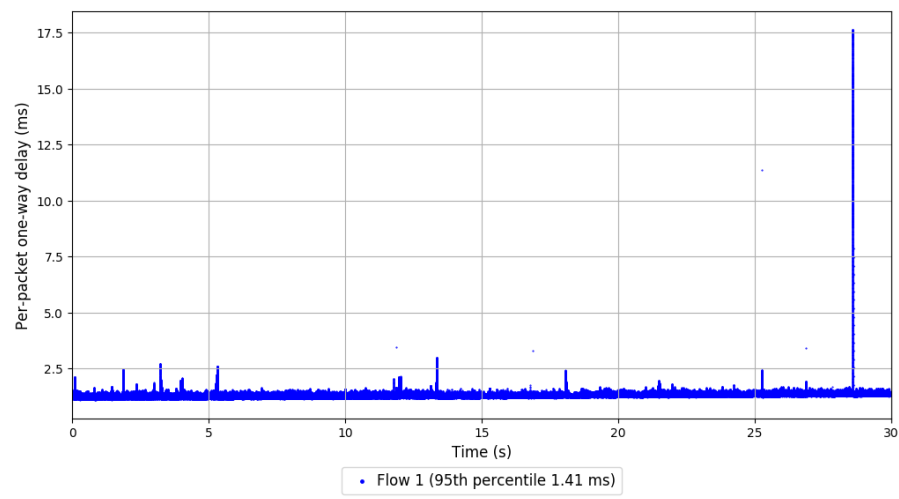
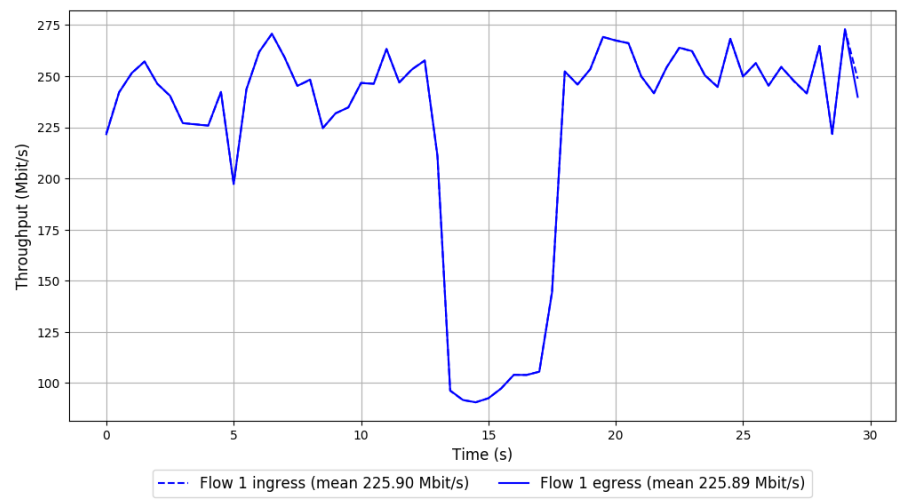
-- Flow 1:

Average throughput: 225.89 Mbit/s

95th percentile per-packet one-way delay: 1.407 ms

Loss rate: 0.07%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-19 22:53:09

End at: 2018-02-19 22:53:39

Local clock offset: 2.685 ms

Remote clock offset: -2.863 ms

Below is generated by plot.py at 2018-02-20 07:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.24 Mbit/s

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

Loss rate: 0.08%

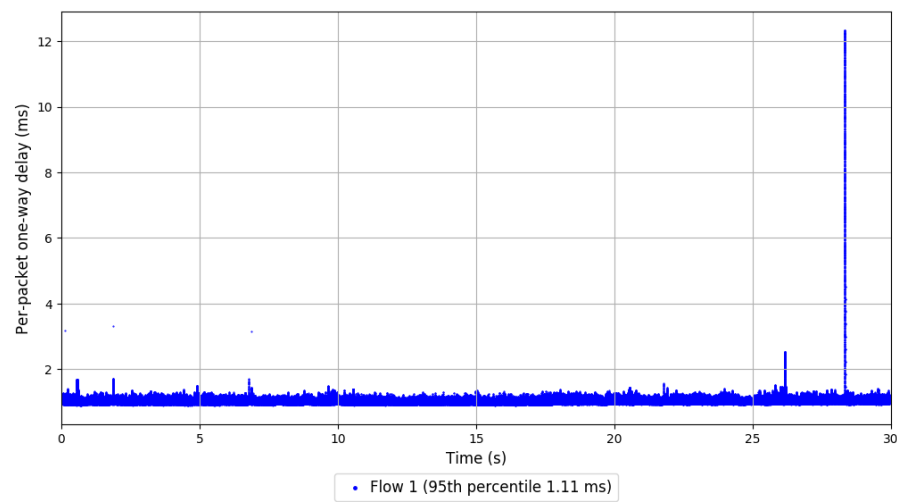
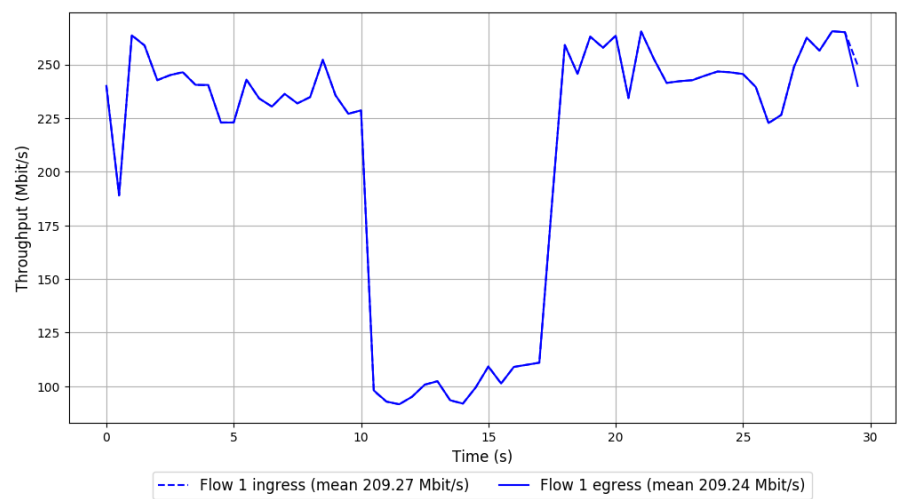
-- Flow 1:

Average throughput: 209.24 Mbit/s

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

Loss rate: 0.08%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-19 23:20:35

End at: 2018-02-19 23:21:05

Local clock offset: 2.855 ms

Remote clock offset: -3.329 ms

Below is generated by plot.py at 2018-02-20 07:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.21 Mbit/s

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

Loss rate: 0.07%

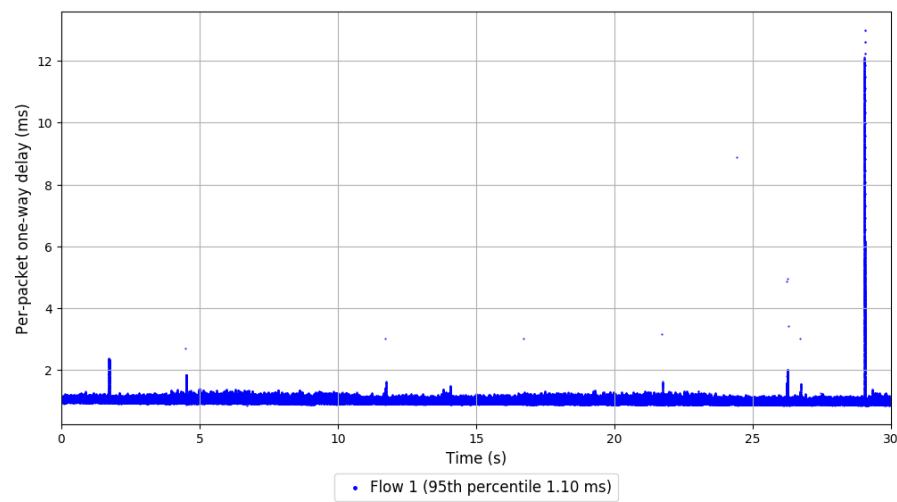
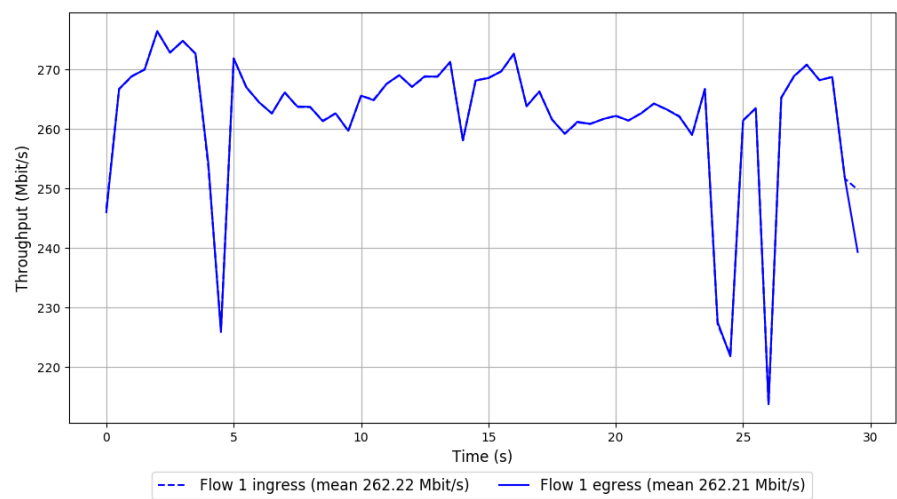
-- Flow 1:

Average throughput: 262.21 Mbit/s

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

Loss rate: 0.07%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-19 23:48:33

End at: 2018-02-19 23:49:03

Local clock offset: 2.782 ms

Remote clock offset: -4.374 ms

Below is generated by plot.py at 2018-02-20 07:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.86 Mbit/s

95th percentile per-packet one-way delay: 1.103 ms

Loss rate: 0.06%

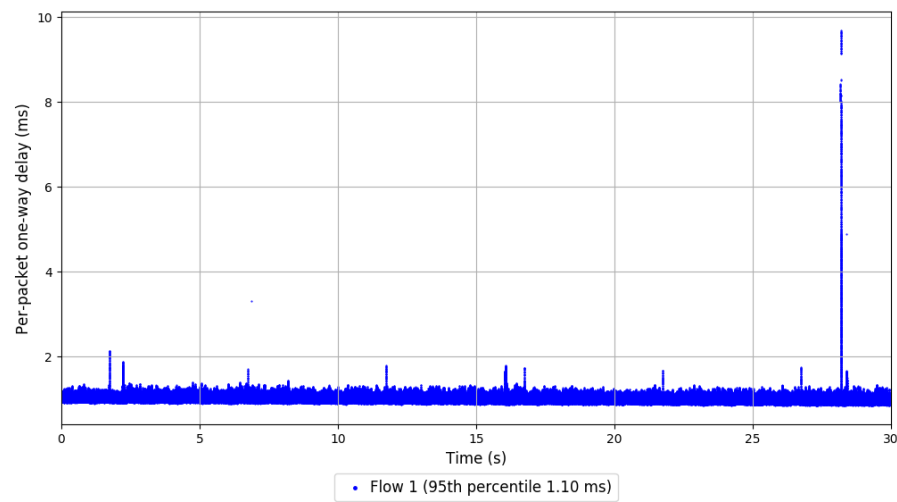
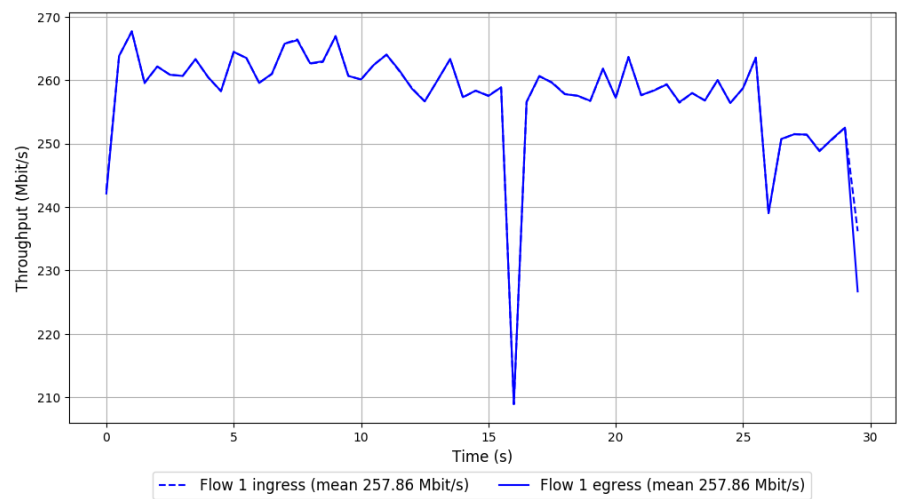
-- Flow 1:

Average throughput: 257.86 Mbit/s

95th percentile per-packet one-way delay: 1.103 ms

Loss rate: 0.06%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-20 00:16:38

End at: 2018-02-20 00:17:08

Local clock offset: 2.472 ms

Remote clock offset: -5.886 ms

Below is generated by plot.py at 2018-02-20 07:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.12 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.07%

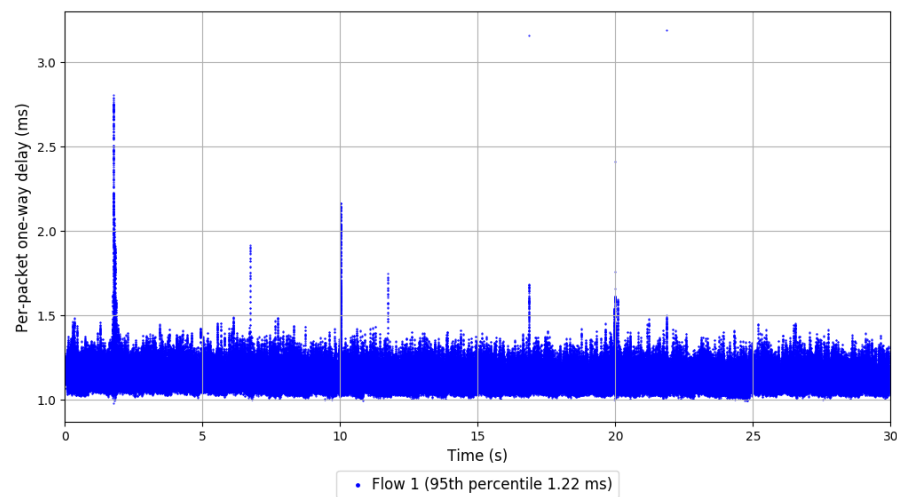
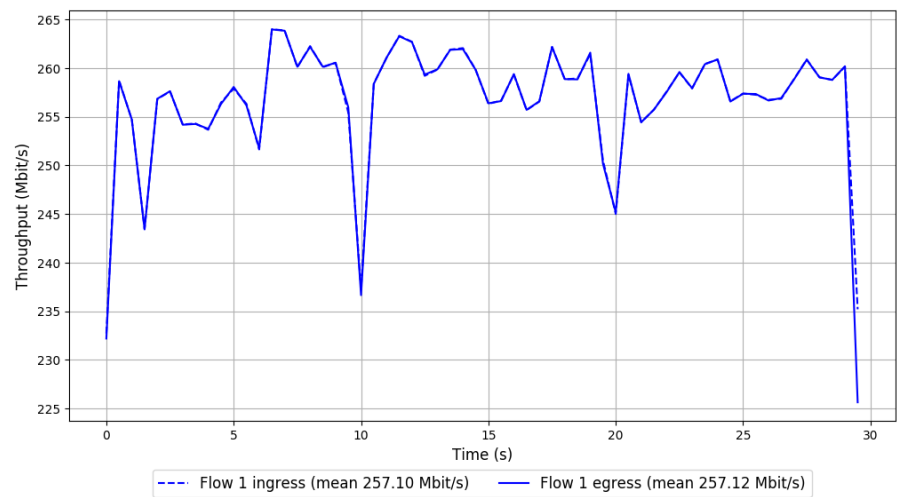
-- Flow 1:

Average throughput: 257.12 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.07%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-20 00:43:43

End at: 2018-02-20 00:44:13

Local clock offset: 1.987 ms

Remote clock offset: -5.18 ms

Below is generated by plot.py at 2018-02-20 07:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.91 Mbit/s

95th percentile per-packet one-way delay: 1.316 ms

Loss rate: 0.06%

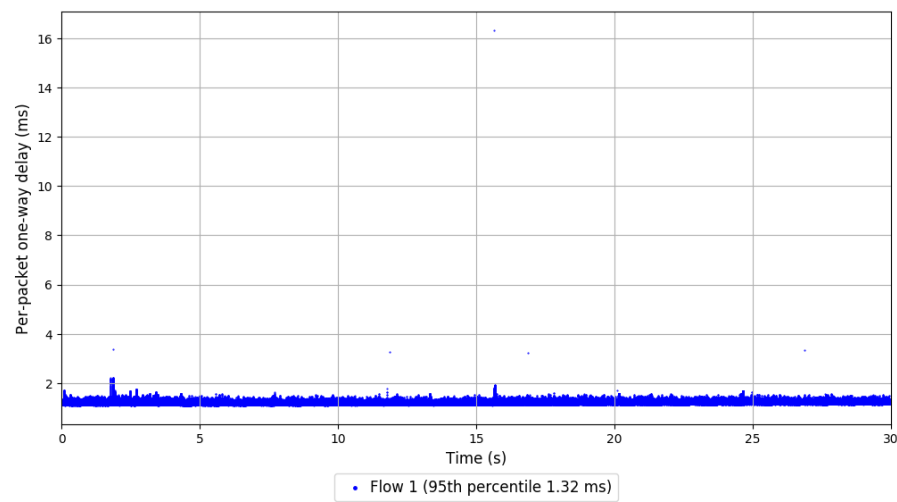
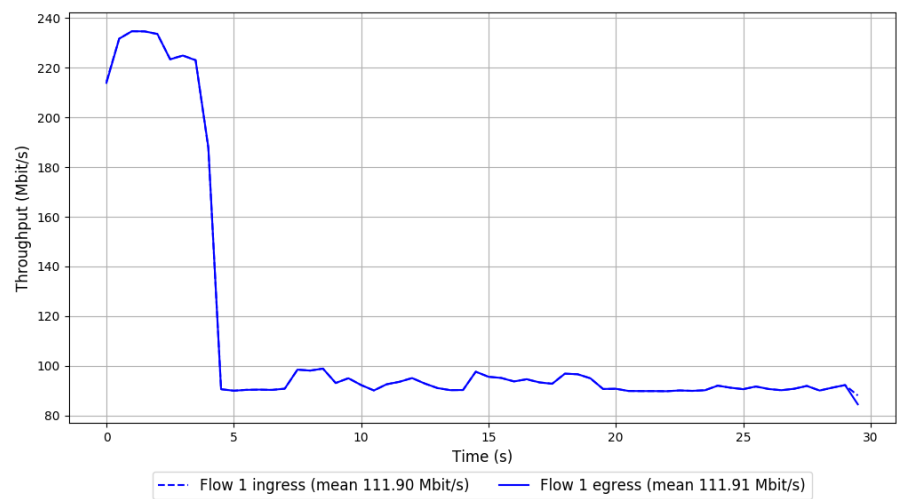
-- Flow 1:

Average throughput: 111.91 Mbit/s

95th percentile per-packet one-way delay: 1.316 ms

Loss rate: 0.06%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-20 01:10:49

End at: 2018-02-20 01:11:19

Local clock offset: 0.722 ms

Remote clock offset: -4.467 ms

Below is generated by plot.py at 2018-02-20 07:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.18 Mbit/s

95th percentile per-packet one-way delay: 1.180 ms

Loss rate: 0.07%

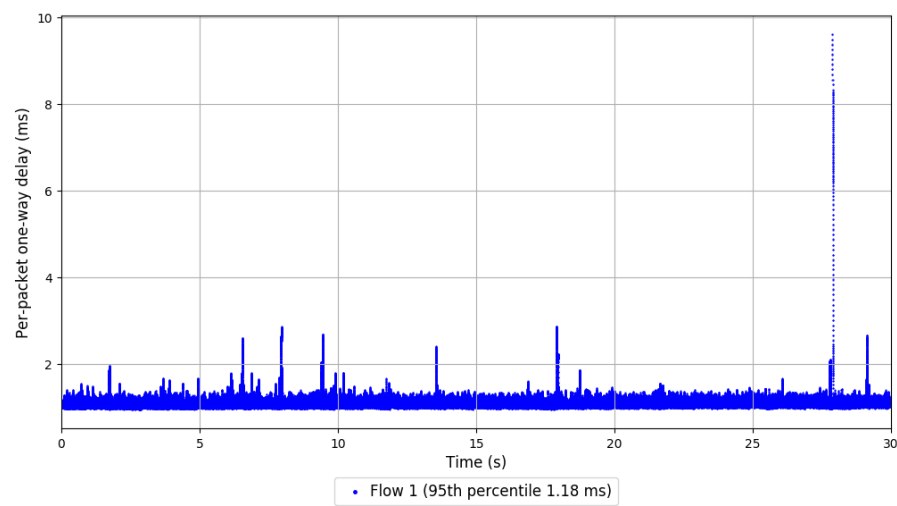
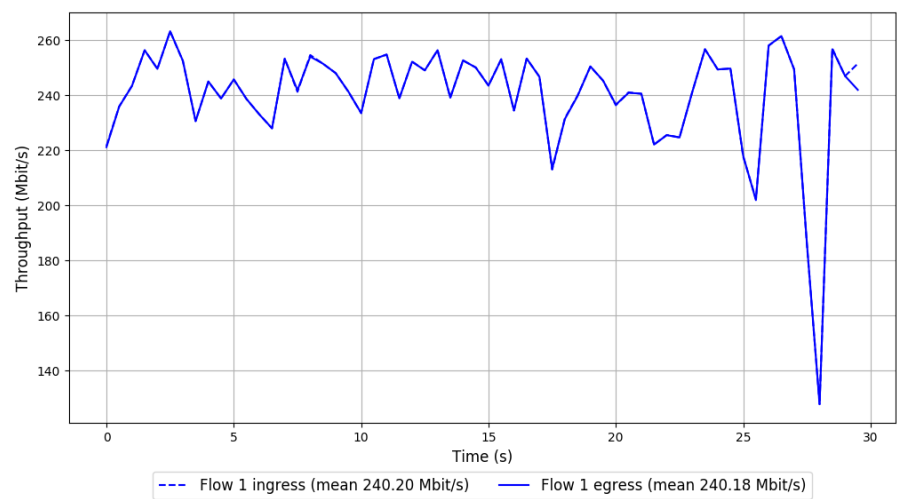
-- Flow 1:

Average throughput: 240.18 Mbit/s

95th percentile per-packet one-way delay: 1.180 ms

Loss rate: 0.07%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-20 01:38:27

End at: 2018-02-20 01:38:57

Local clock offset: 1.595 ms

Remote clock offset: -4.044 ms

Below is generated by plot.py at 2018-02-20 07:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.94 Mbit/s

95th percentile per-packet one-way delay: 1.151 ms

Loss rate: 0.06%

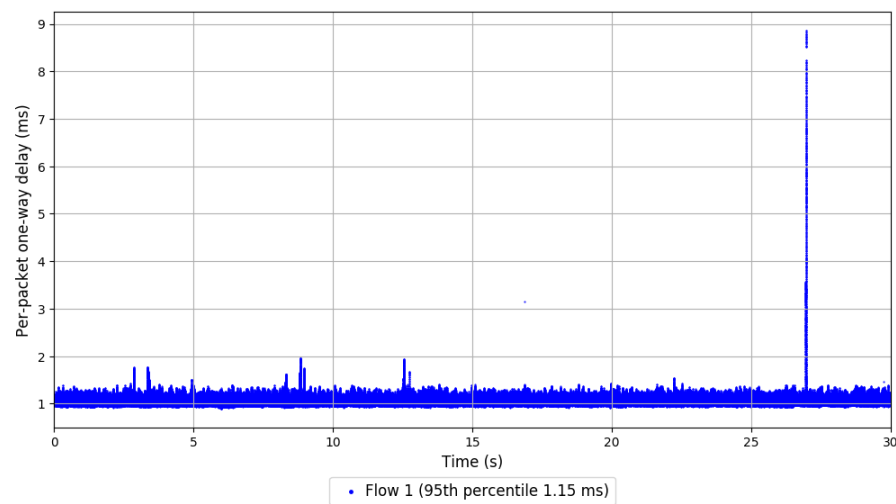
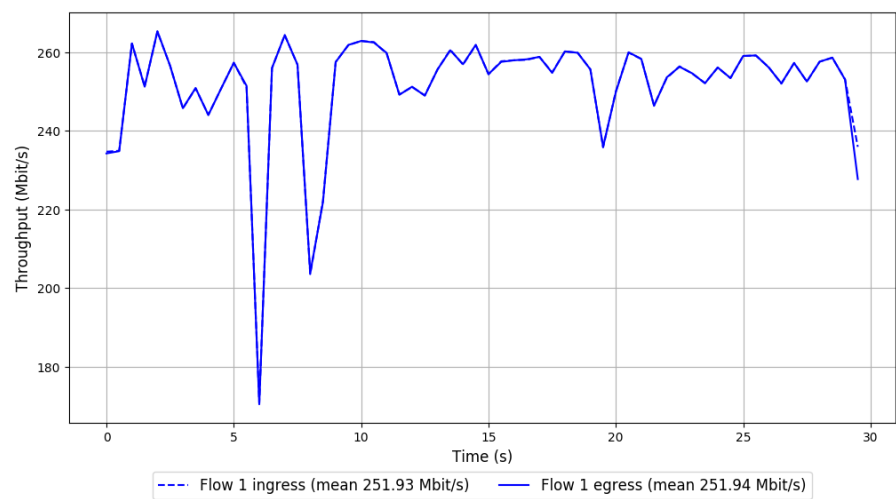
-- Flow 1:

Average throughput: 251.94 Mbit/s

95th percentile per-packet one-way delay: 1.151 ms

Loss rate: 0.06%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-19 21:33:44

End at: 2018-02-19 21:34:14

Local clock offset: 1.174 ms

Remote clock offset: -5.551 ms

Below is generated by plot.py at 2018-02-20 07:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.91 Mbit/s

95th percentile per-packet one-way delay: 1.020 ms

Loss rate: 0.10%

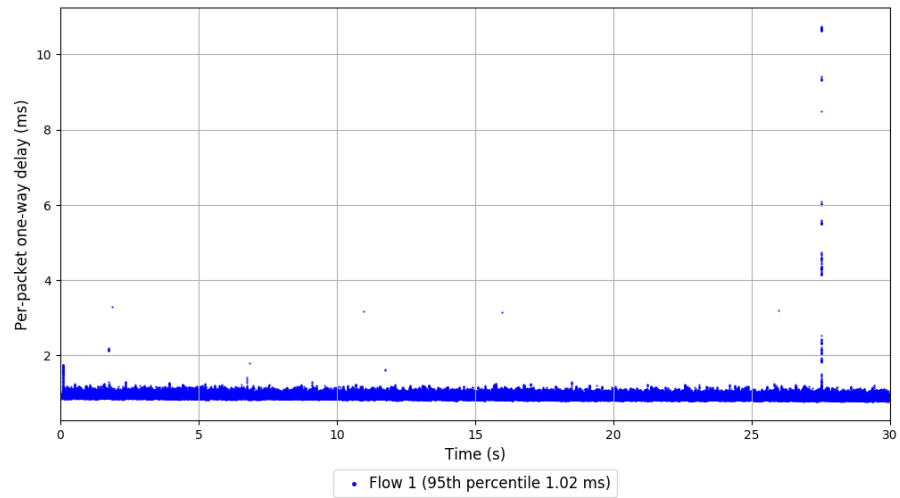
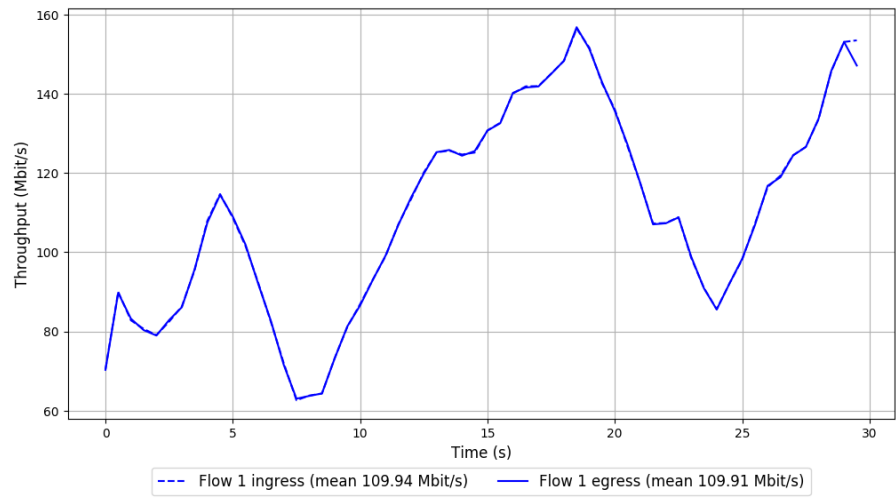
-- Flow 1:

Average throughput: 109.91 Mbit/s

95th percentile per-packet one-way delay: 1.020 ms

Loss rate: 0.10%

Run 1: Report of TCP Vegas — Data Link

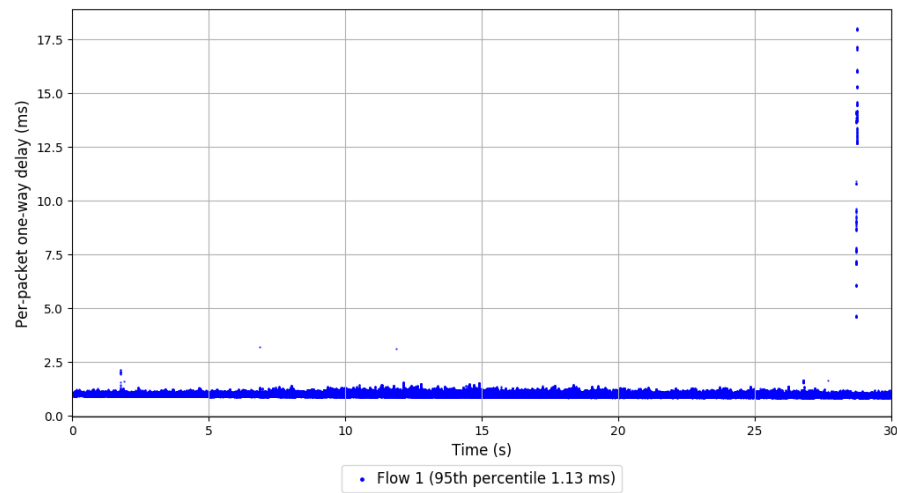
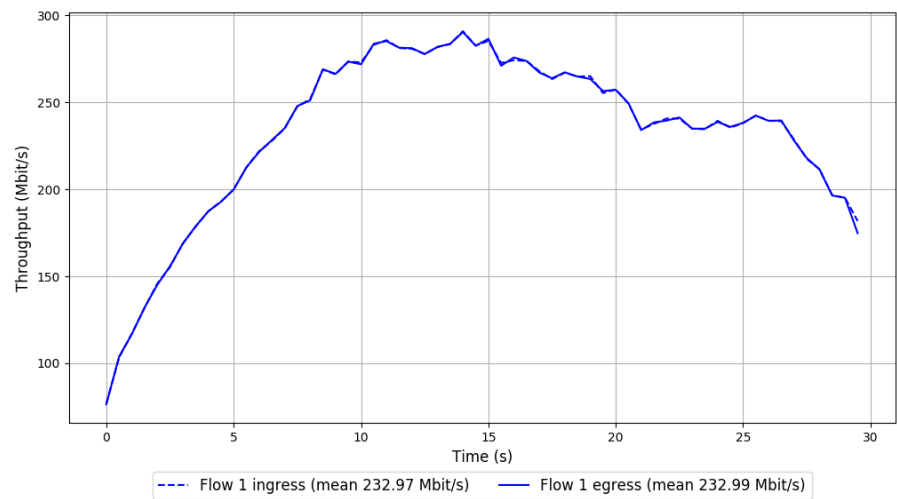


Run 2: Statistics of TCP Vegas

Start at: 2018-02-19 22:01:25
End at: 2018-02-19 22:01:55
Local clock offset: 3.539 ms
Remote clock offset: -6.672 ms

Below is generated by plot.py at 2018-02-20 07:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.99 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 232.99 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.05%

Run 2: Report of TCP Vegas — Data Link

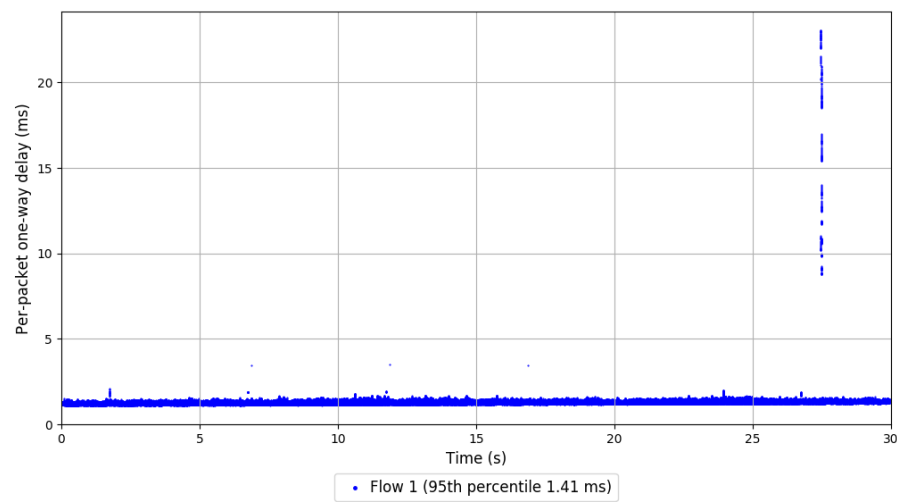
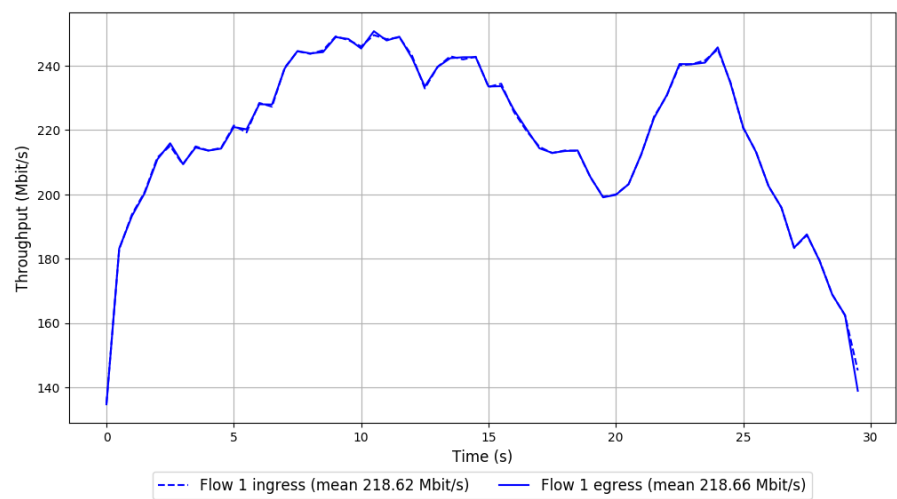


Run 3: Statistics of TCP Vegas

Start at: 2018-02-19 22:28:56
End at: 2018-02-19 22:29:26
Local clock offset: 4.349 ms
Remote clock offset: -3.807 ms

Below is generated by plot.py at 2018-02-20 07:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.66 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 218.66 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 0.05%

Run 3: Report of TCP Vegas — Data Link

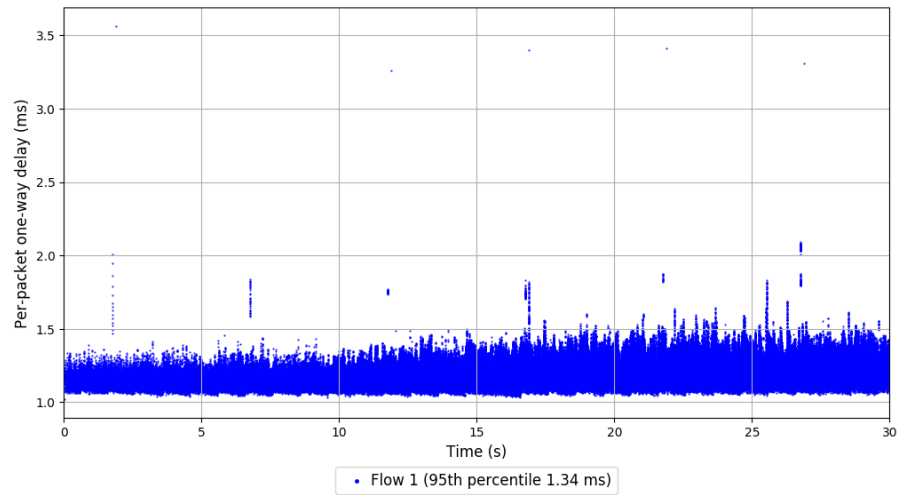
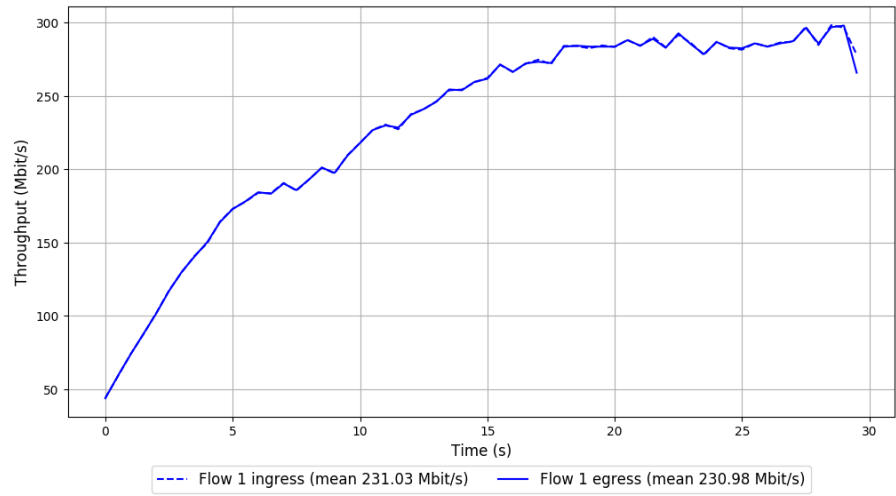


Run 4: Statistics of TCP Vegas

Start at: 2018-02-19 22:56:22
End at: 2018-02-19 22:56:52
Local clock offset: 2.769 ms
Remote clock offset: -2.788 ms

Below is generated by plot.py at 2018-02-20 07:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.98 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 230.98 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-19 23:23:54

End at: 2018-02-19 23:24:24

Local clock offset: 2.872 ms

Remote clock offset: -3.654 ms

Below is generated by plot.py at 2018-02-20 07:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.81 Mbit/s

95th percentile per-packet one-way delay: 1.136 ms

Loss rate: 0.07%

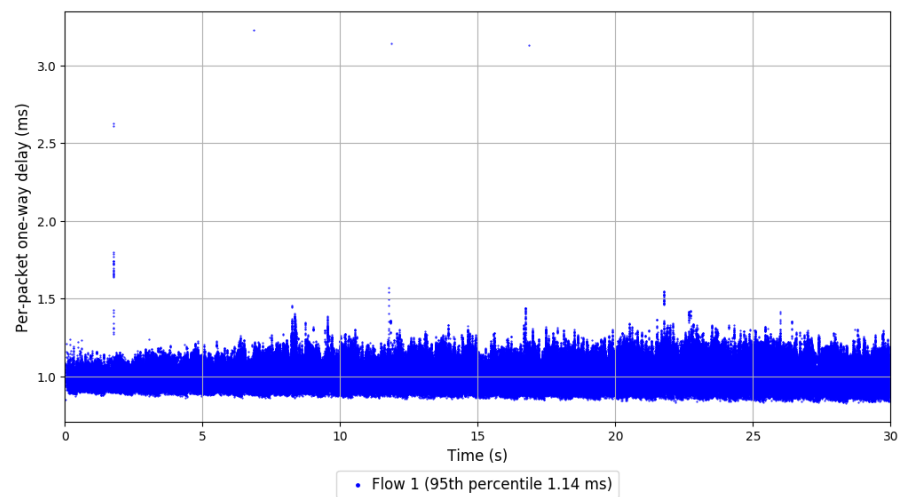
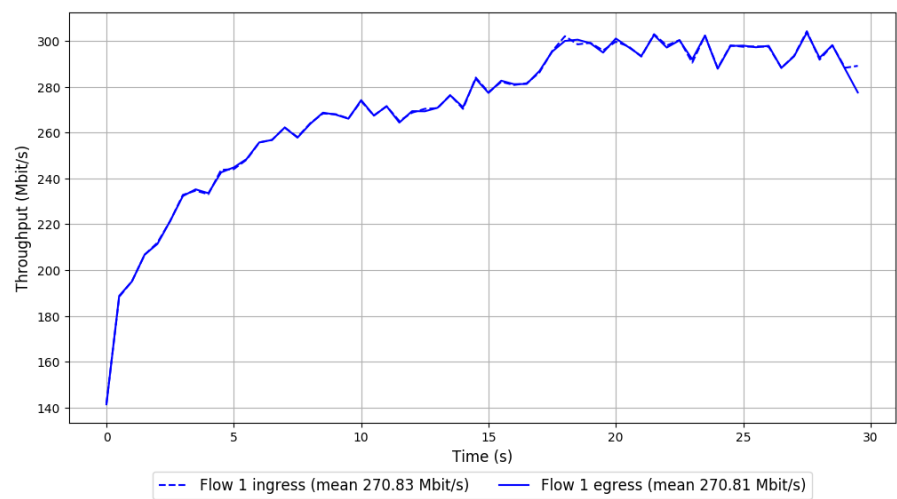
-- Flow 1:

Average throughput: 270.81 Mbit/s

95th percentile per-packet one-way delay: 1.136 ms

Loss rate: 0.07%

Run 5: Report of TCP Vegas — Data Link

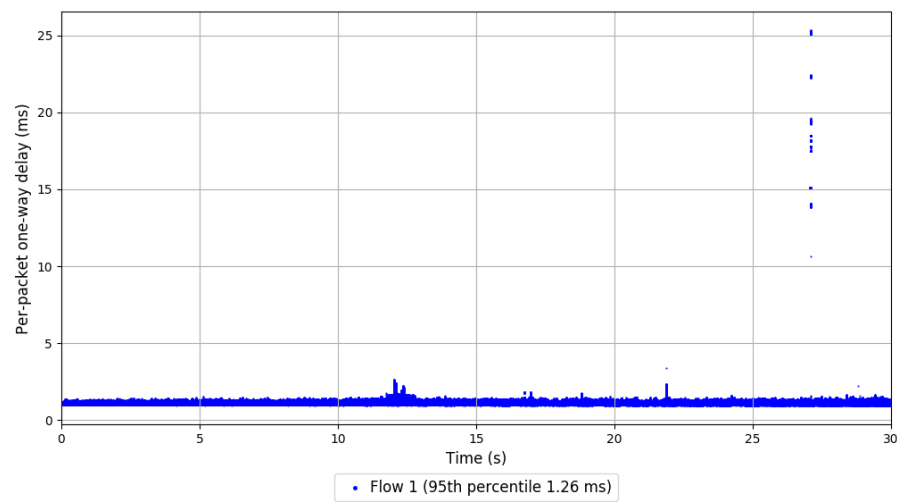
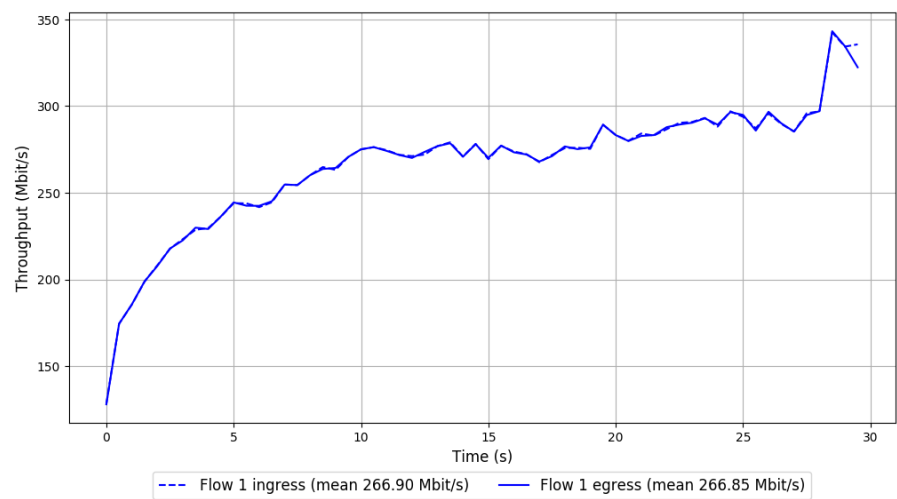


Run 6: Statistics of TCP Vegas

Start at: 2018-02-19 23:51:50
End at: 2018-02-19 23:52:20
Local clock offset: 2.776 ms
Remote clock offset: -4.781 ms

Below is generated by plot.py at 2018-02-20 07:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 266.85 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 266.85 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.08%

Run 6: Report of TCP Vegas — Data Link

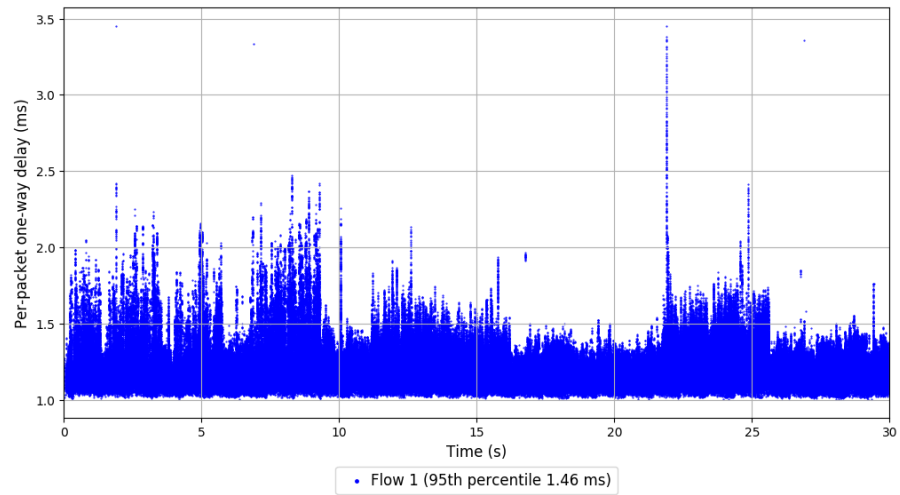
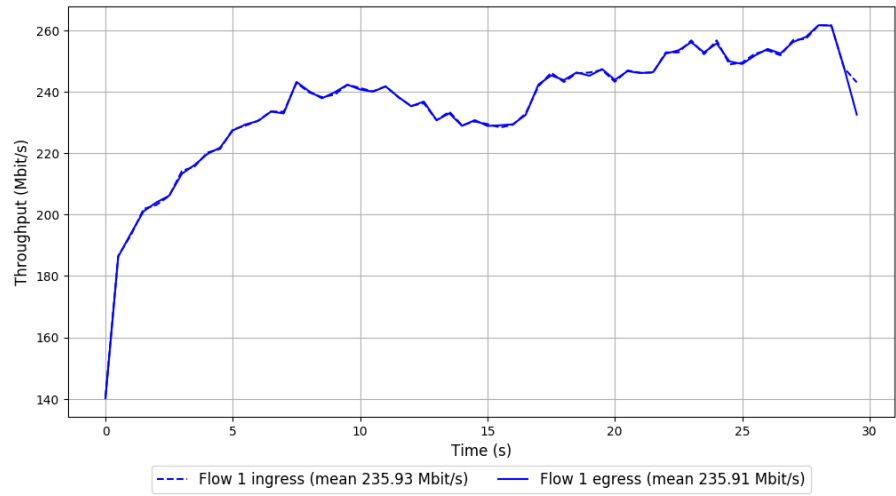


Run 7: Statistics of TCP Vegas

Start at: 2018-02-20 00:19:59
End at: 2018-02-20 00:20:29
Local clock offset: 2.402 ms
Remote clock offset: -5.962 ms

Below is generated by plot.py at 2018-02-20 07:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.91 Mbit/s
95th percentile per-packet one-way delay: 1.457 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 235.91 Mbit/s
95th percentile per-packet one-way delay: 1.457 ms
Loss rate: 0.07%

Run 7: Report of TCP Vegas — Data Link

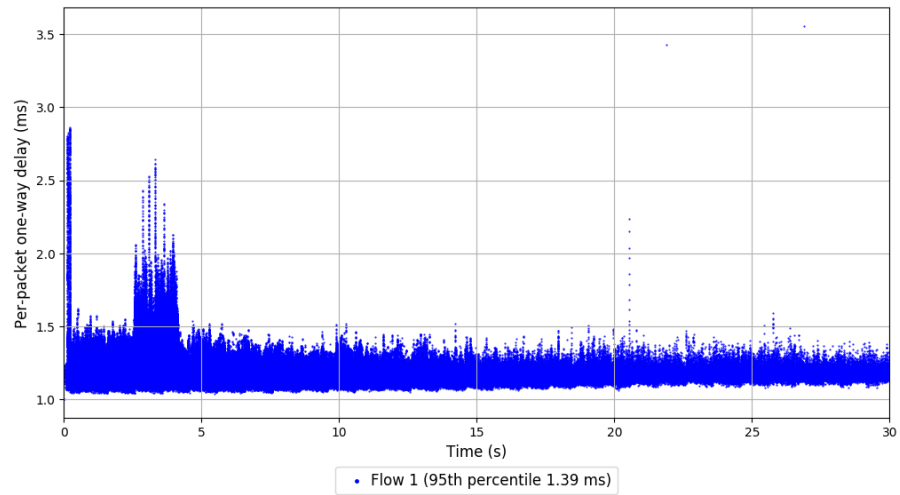
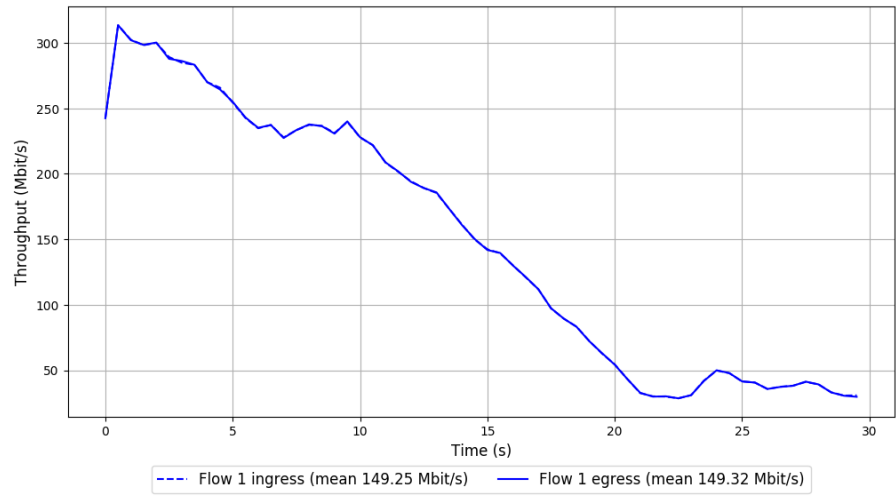


Run 8: Statistics of TCP Vegas

Start at: 2018-02-20 00:46:38
End at: 2018-02-20 00:47:08
Local clock offset: 1.693 ms
Remote clock offset: -5.157 ms

Below is generated by plot.py at 2018-02-20 07:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.32 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 149.32 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link

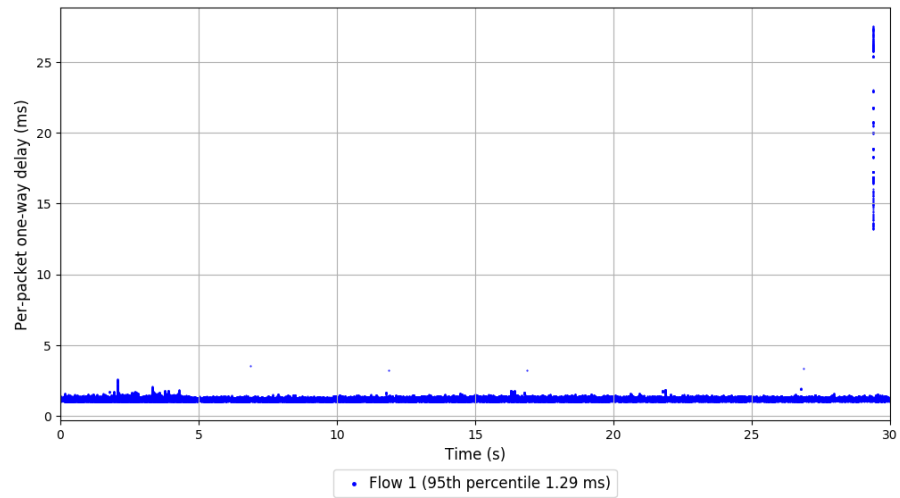
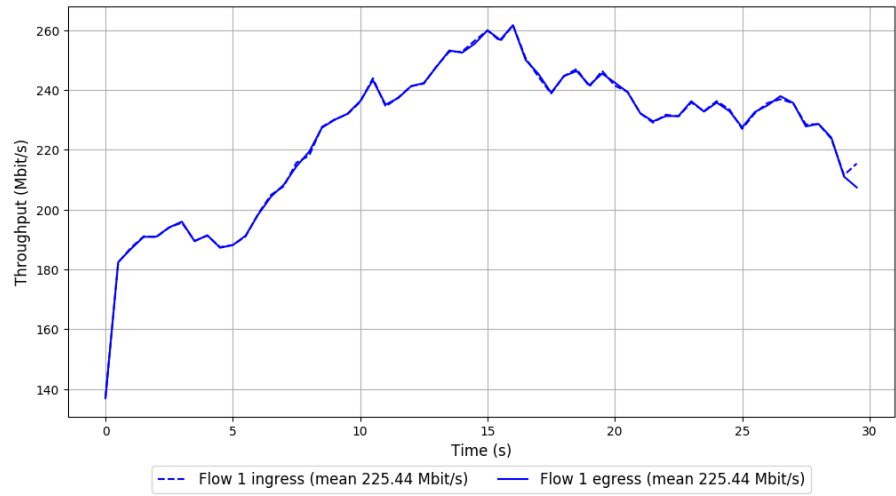


Run 9: Statistics of TCP Vegas

Start at: 2018-02-20 01:14:03
End at: 2018-02-20 01:14:33
Local clock offset: 0.649 ms
Remote clock offset: -4.474 ms

Below is generated by plot.py at 2018-02-20 07:21:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.44 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 225.44 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.06%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-20 01:41:42

End at: 2018-02-20 01:42:12

Local clock offset: 1.509 ms

Remote clock offset: -4.054 ms

Below is generated by plot.py at 2018-02-20 07:24:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.37 Mbit/s

95th percentile per-packet one-way delay: 1.386 ms

Loss rate: 0.03%

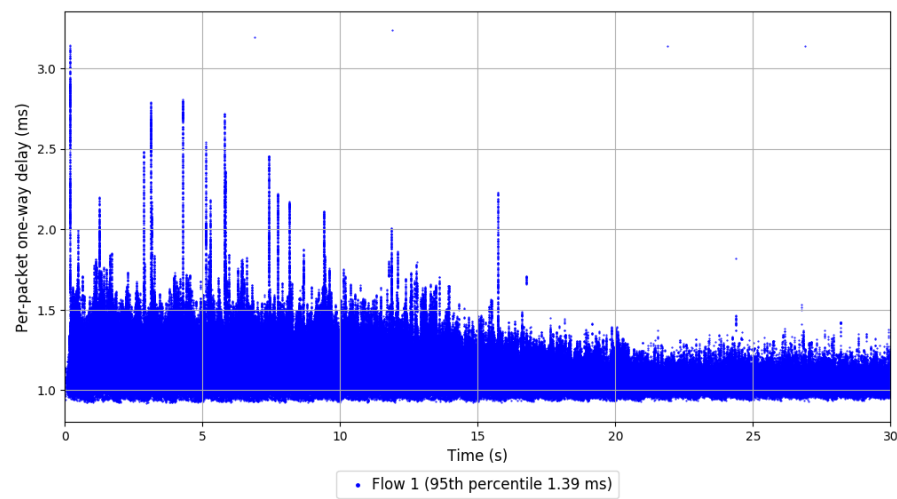
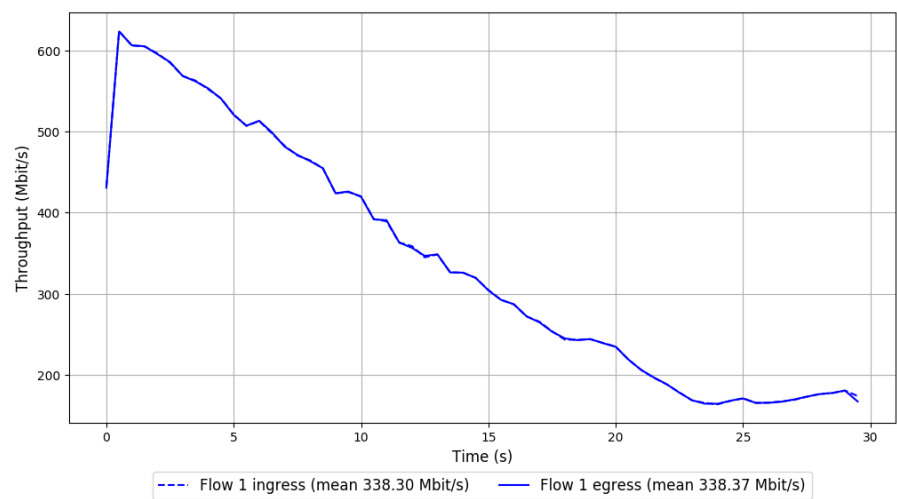
-- Flow 1:

Average throughput: 338.37 Mbit/s

95th percentile per-packet one-way delay: 1.386 ms

Loss rate: 0.03%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-19 21:23:40

End at: 2018-02-19 21:24:10

Local clock offset: 1.661 ms

Remote clock offset: -5.54 ms

Below is generated by plot.py at 2018-02-20 07:26:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.22 Mbit/s

95th percentile per-packet one-way delay: 8.228 ms

Loss rate: 0.00%

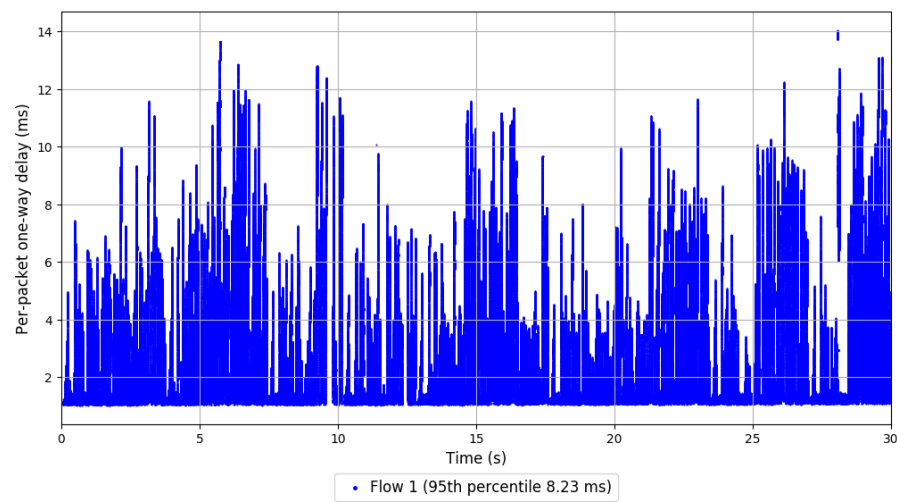
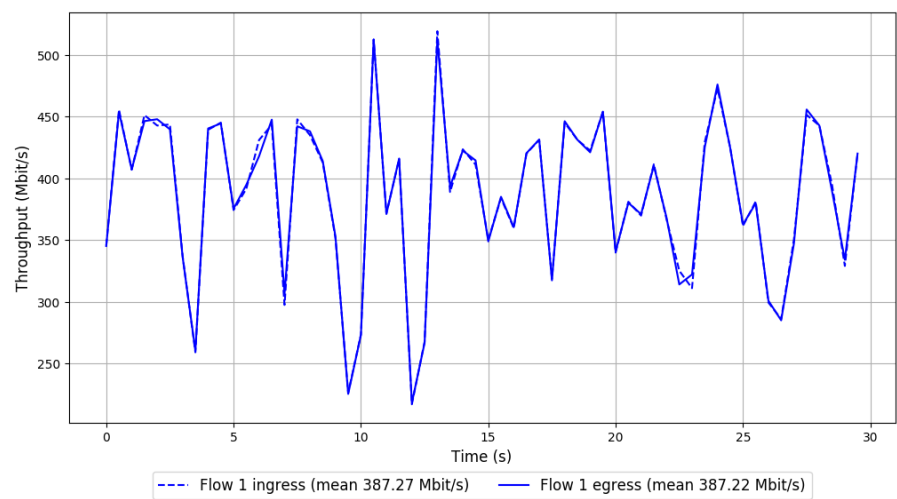
-- Flow 1:

Average throughput: 387.22 Mbit/s

95th percentile per-packet one-way delay: 8.228 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

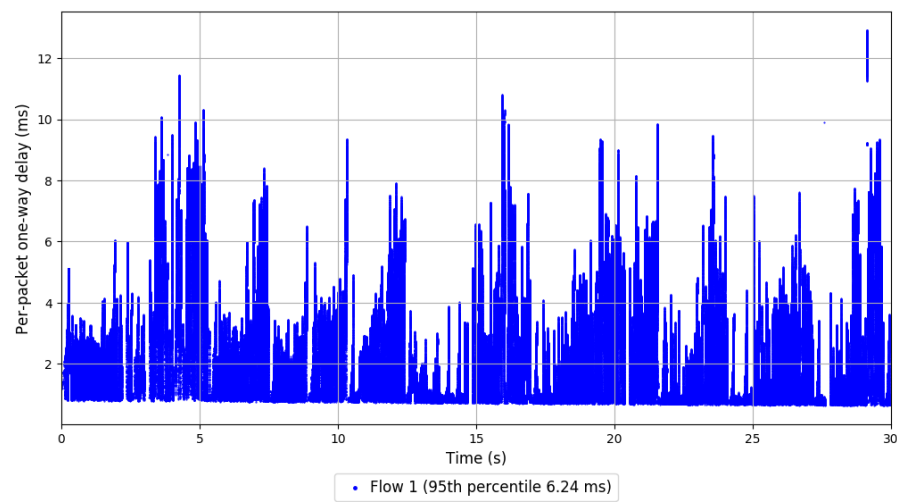
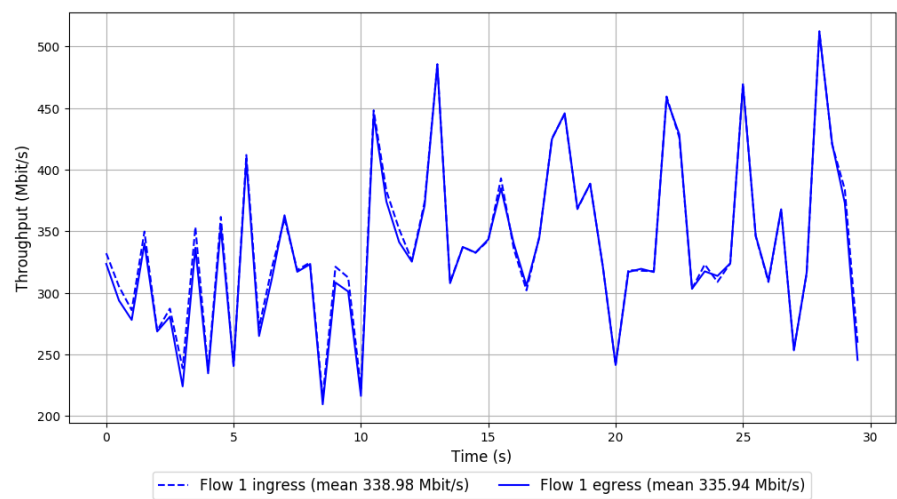


Run 2: Statistics of Verus

Start at: 2018-02-19 21:51:27
End at: 2018-02-19 21:51:57
Local clock offset: 1.209 ms
Remote clock offset: -6.696 ms

Below is generated by plot.py at 2018-02-20 07:26:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 335.94 Mbit/s
95th percentile per-packet one-way delay: 6.241 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 335.94 Mbit/s
95th percentile per-packet one-way delay: 6.241 ms
Loss rate: 0.96%

Run 2: Report of Verus — Data Link

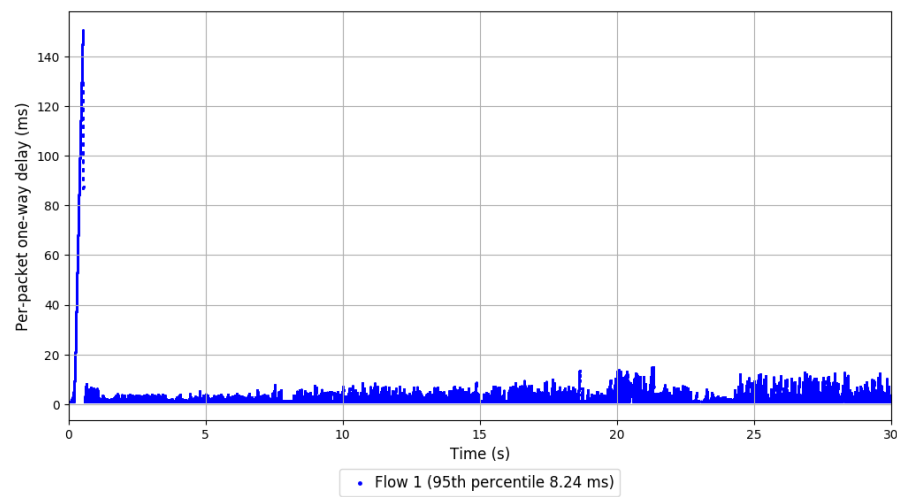
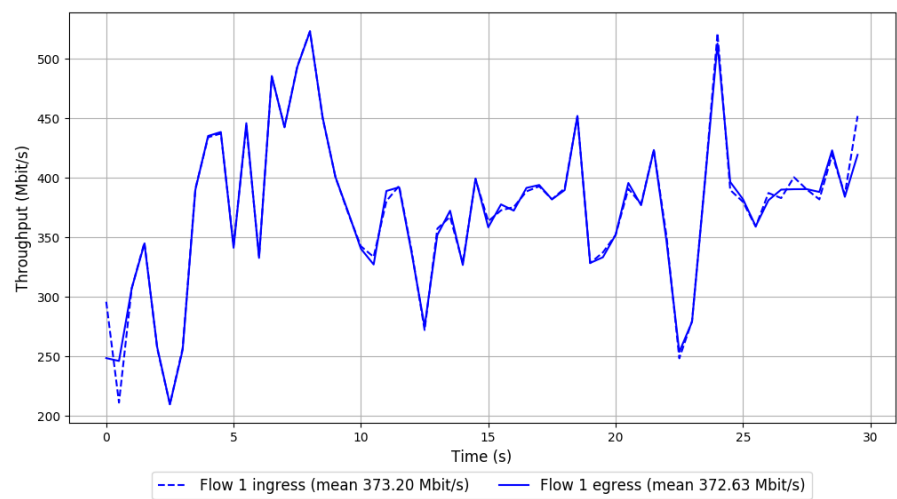


Run 3: Statistics of Verus

Start at: 2018-02-19 22:18:59
End at: 2018-02-19 22:19:29
Local clock offset: 5.093 ms
Remote clock offset: -4.555 ms

Below is generated by plot.py at 2018-02-20 07:26:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.63 Mbit/s
95th percentile per-packet one-way delay: 8.243 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 372.63 Mbit/s
95th percentile per-packet one-way delay: 8.243 ms
Loss rate: 0.21%

Run 3: Report of Verus — Data Link

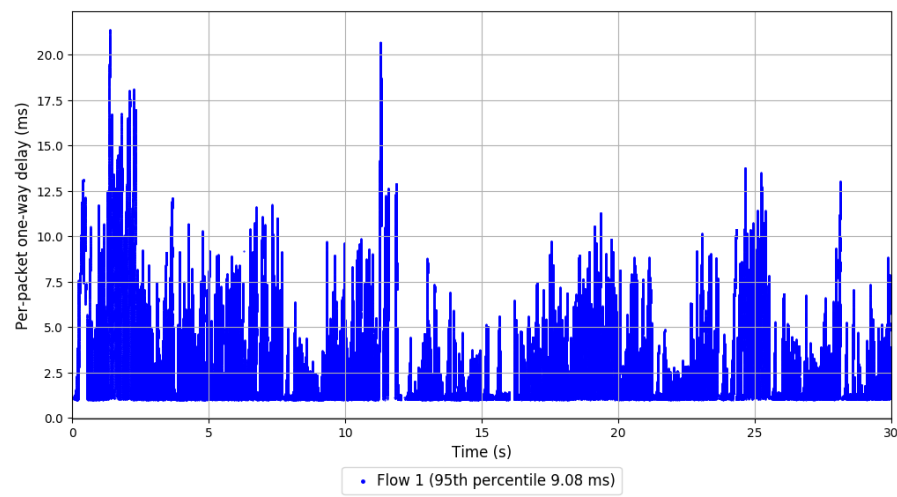
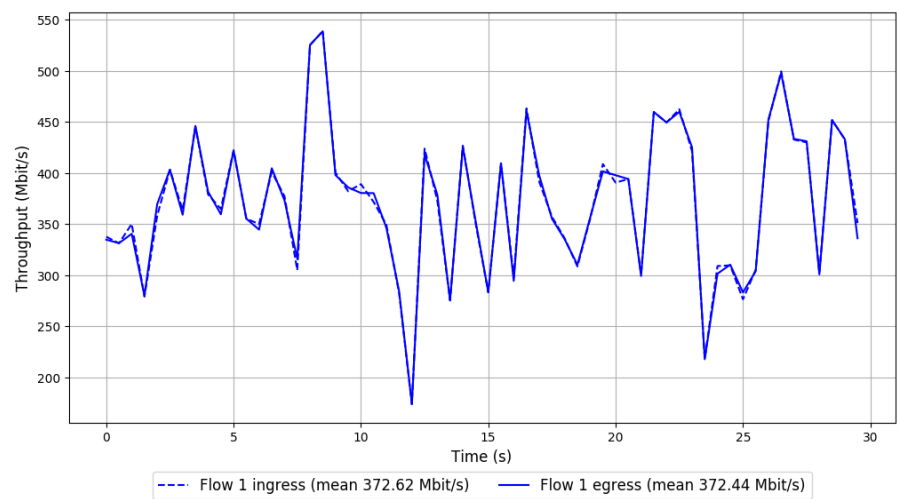


Run 4: Statistics of Verus

Start at: 2018-02-19 22:46:23
End at: 2018-02-19 22:46:54
Local clock offset: 2.872 ms
Remote clock offset: -3.115 ms

Below is generated by plot.py at 2018-02-20 07:26:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.44 Mbit/s
95th percentile per-packet one-way delay: 9.077 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 372.44 Mbit/s
95th percentile per-packet one-way delay: 9.077 ms
Loss rate: 0.07%

Run 4: Report of Verus — Data Link

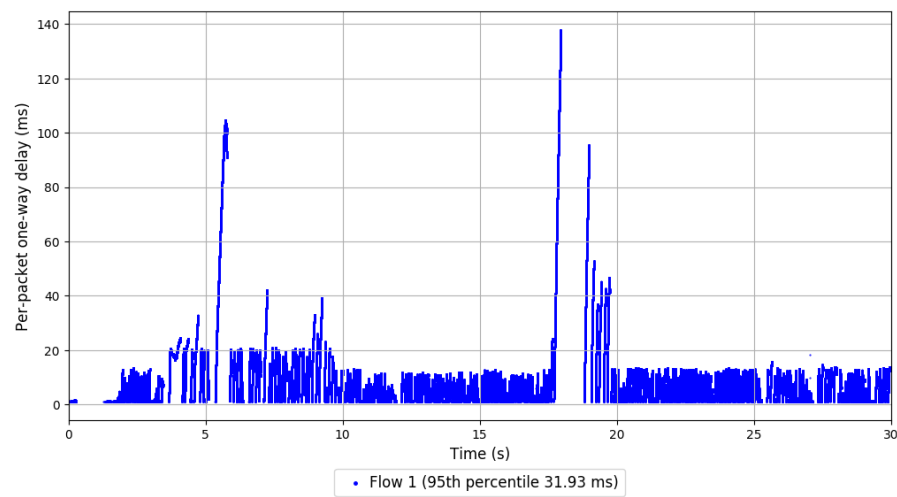
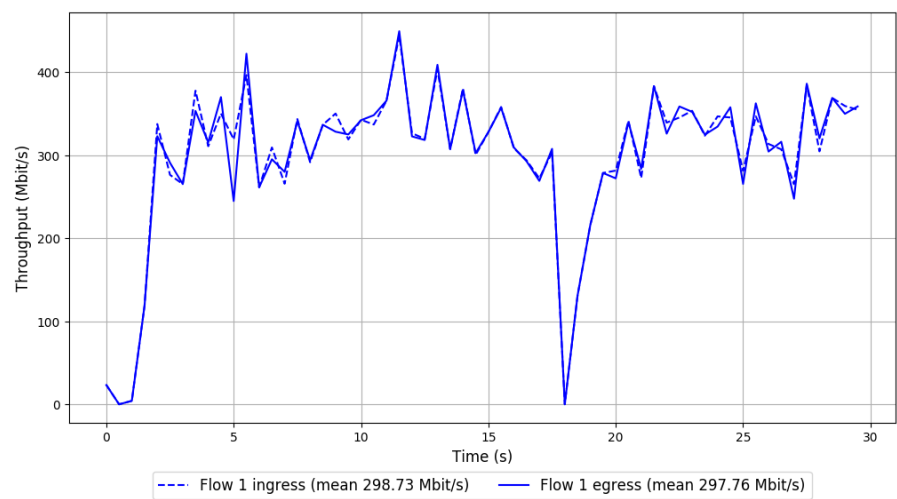


Run 5: Statistics of Verus

Start at: 2018-02-19 23:13:52
End at: 2018-02-19 23:14:22
Local clock offset: 2.886 ms
Remote clock offset: -2.196 ms

Below is generated by plot.py at 2018-02-20 07:26:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.76 Mbit/s
95th percentile per-packet one-way delay: 31.932 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 297.76 Mbit/s
95th percentile per-packet one-way delay: 31.932 ms
Loss rate: 0.30%

Run 5: Report of Verus — Data Link

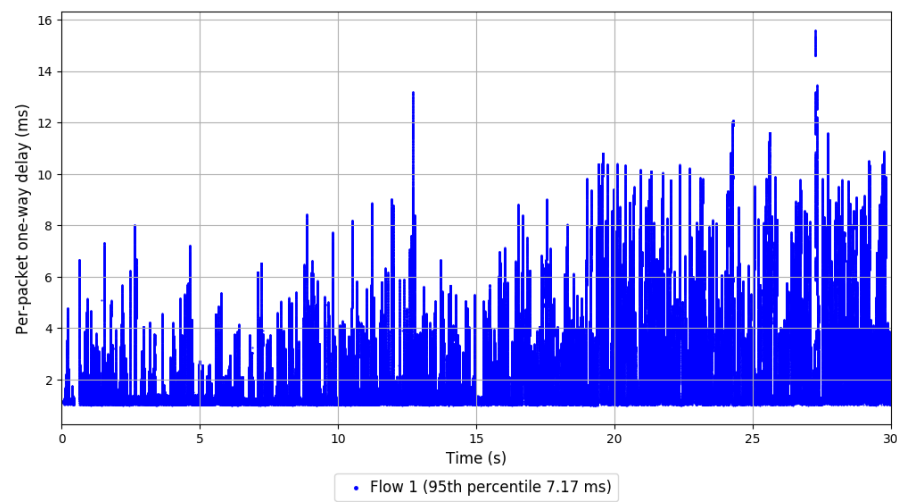
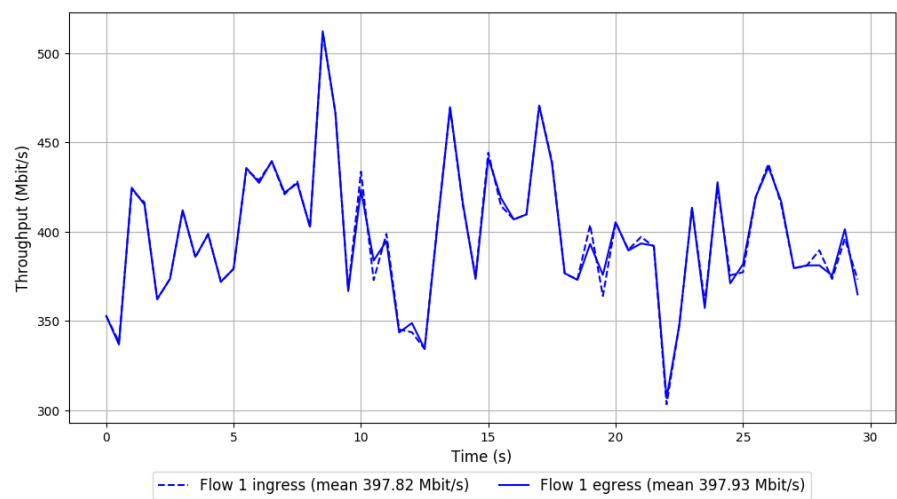


Run 6: Statistics of Verus

Start at: 2018-02-19 23:41:46
End at: 2018-02-19 23:42:16
Local clock offset: 2.829 ms
Remote clock offset: -4.398 ms

Below is generated by plot.py at 2018-02-20 07:26:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 397.93 Mbit/s
95th percentile per-packet one-way delay: 7.174 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 397.93 Mbit/s
95th percentile per-packet one-way delay: 7.174 ms
Loss rate: 0.04%

Run 6: Report of Verus — Data Link

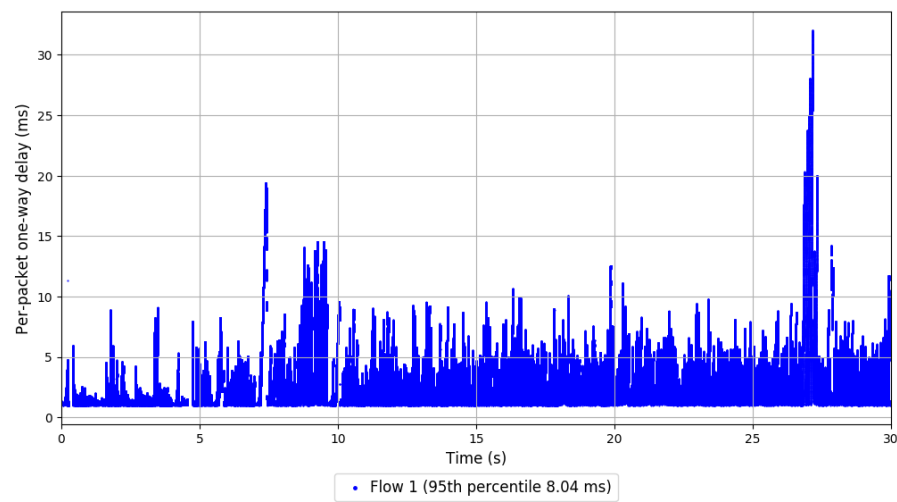
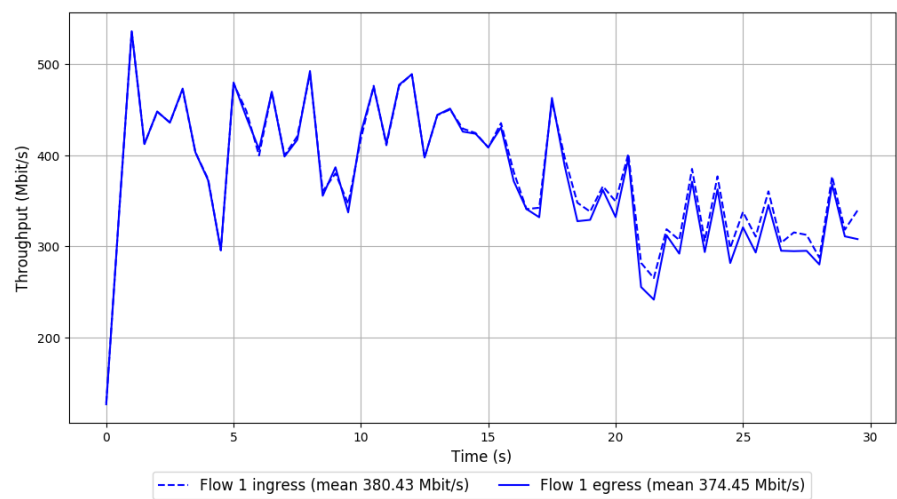


Run 7: Statistics of Verus

Start at: 2018-02-20 00:09:48
End at: 2018-02-20 00:10:18
Local clock offset: 2.665 ms
Remote clock offset: -5.703 ms

Below is generated by plot.py at 2018-02-20 07:26:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 374.45 Mbit/s
95th percentile per-packet one-way delay: 8.037 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 374.45 Mbit/s
95th percentile per-packet one-way delay: 8.037 ms
Loss rate: 1.62%

Run 7: Report of Verus — Data Link

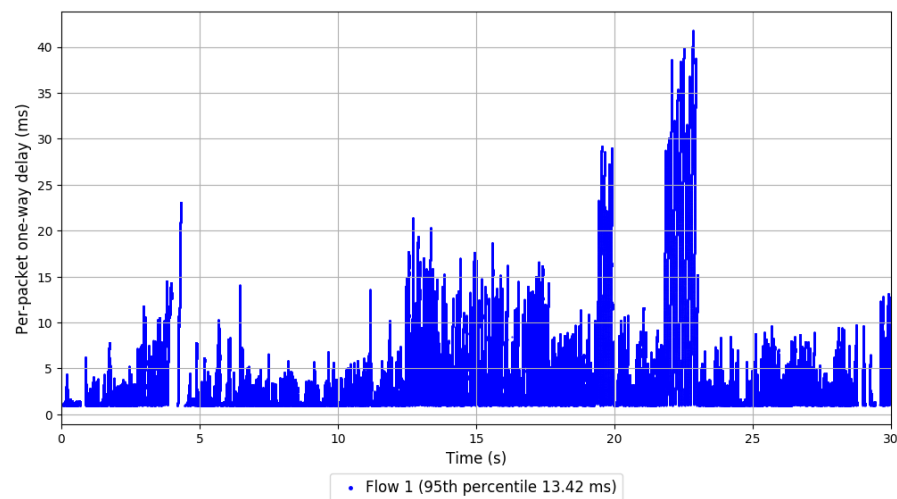
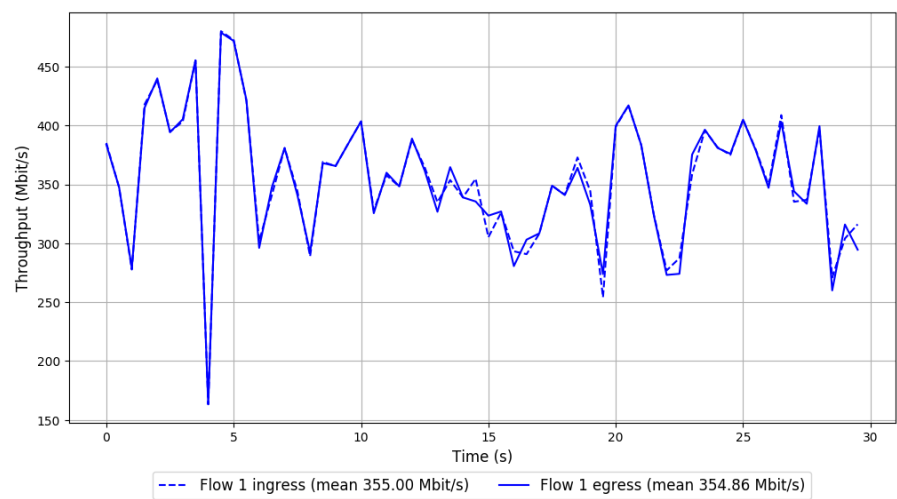


Run 8: Statistics of Verus

Start at: 2018-02-20 00:37:02
End at: 2018-02-20 00:37:32
Local clock offset: 2.252 ms
Remote clock offset: -5.201 ms

Below is generated by plot.py at 2018-02-20 07:30:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.86 Mbit/s
95th percentile per-packet one-way delay: 13.424 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 354.86 Mbit/s
95th percentile per-packet one-way delay: 13.424 ms
Loss rate: 0.10%

Run 8: Report of Verus — Data Link

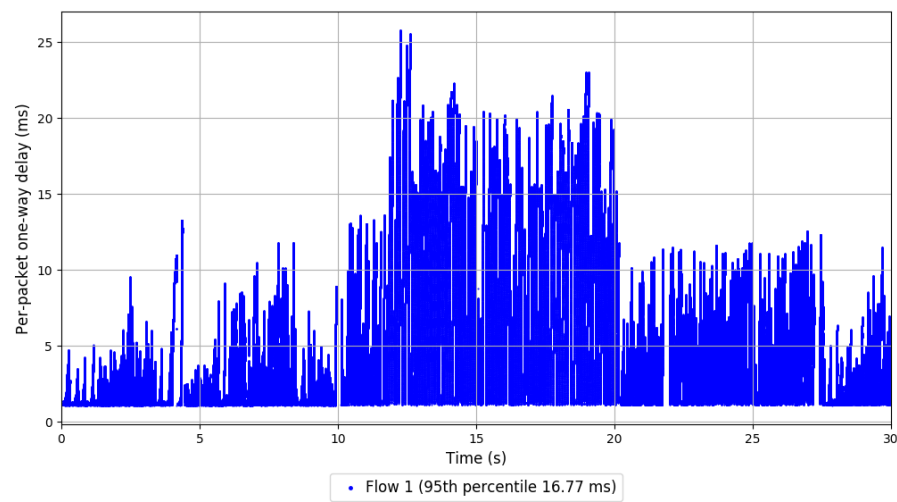
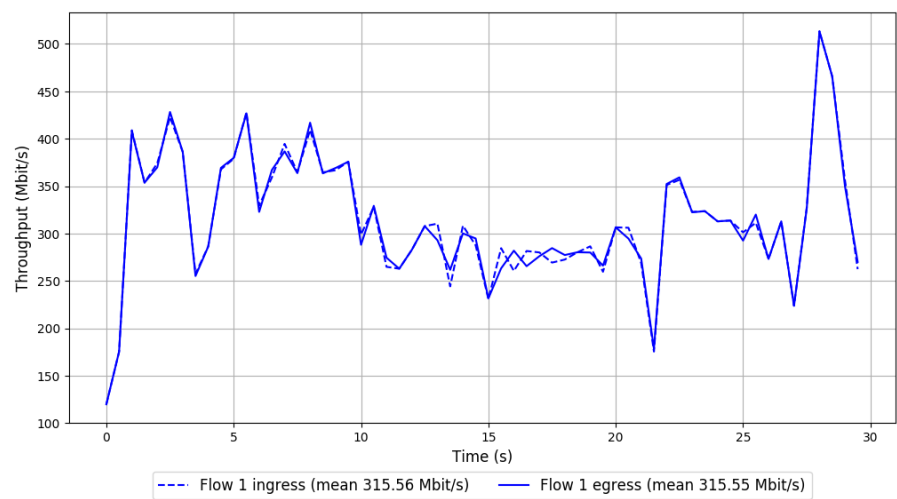


Run 9: Statistics of Verus

Start at: 2018-02-20 01:04:12
End at: 2018-02-20 01:04:42
Local clock offset: 0.896 ms
Remote clock offset: -4.772 ms

Below is generated by plot.py at 2018-02-20 07:30:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.55 Mbit/s
95th percentile per-packet one-way delay: 16.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 315.55 Mbit/s
95th percentile per-packet one-way delay: 16.765 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

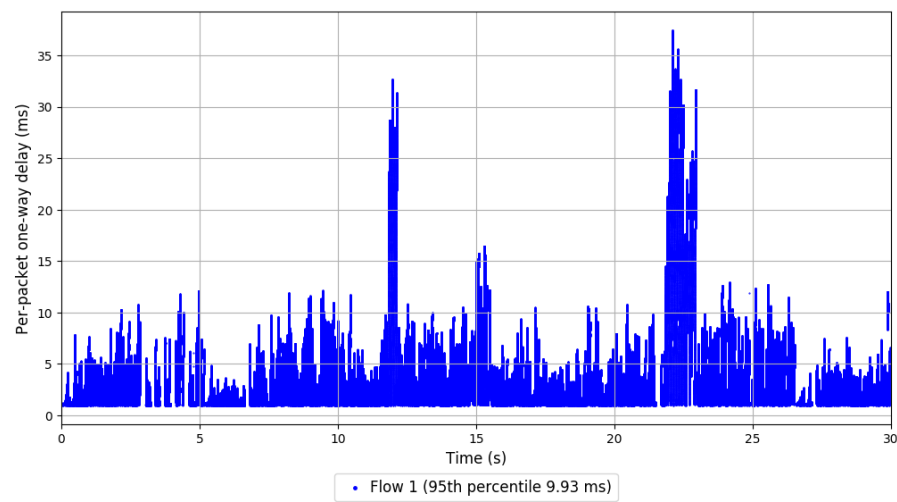
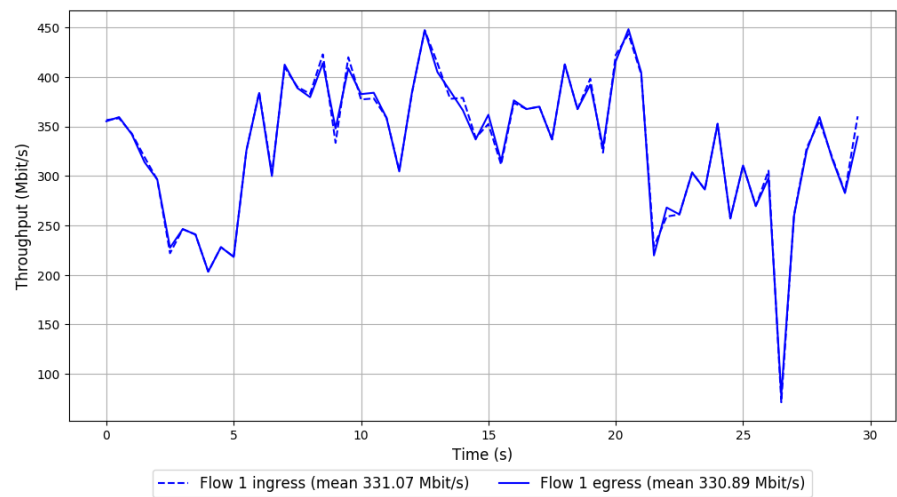


Run 10: Statistics of Verus

Start at: 2018-02-20 01:31:52
End at: 2018-02-20 01:32:22
Local clock offset: 1.435 ms
Remote clock offset: -4.313 ms

Below is generated by plot.py at 2018-02-20 07:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 330.89 Mbit/s
95th percentile per-packet one-way delay: 9.930 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 330.89 Mbit/s
95th percentile per-packet one-way delay: 9.930 ms
Loss rate: 0.12%

Run 10: Report of Verus — Data Link

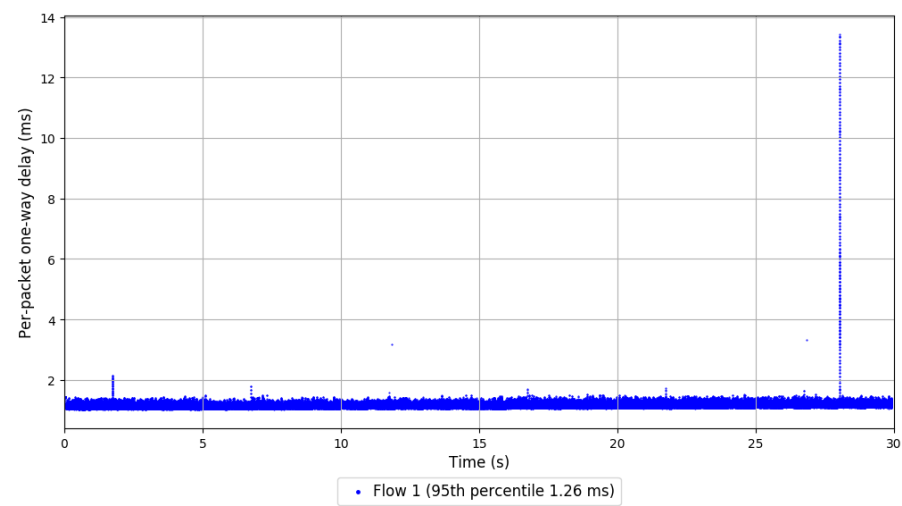
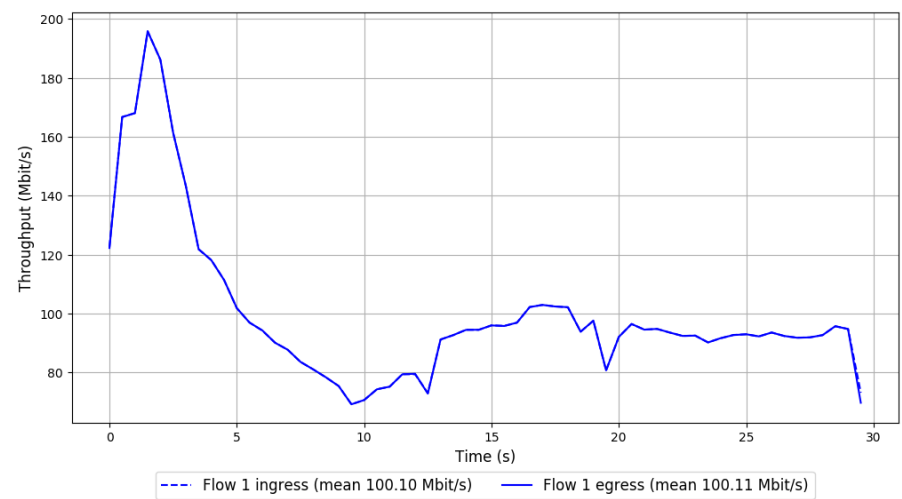


Run 1: Statistics of Copa

Start at: 2018-02-19 21:15:51
End at: 2018-02-19 21:16:21
Local clock offset: 2.22 ms
Remote clock offset: -5.794 ms

Below is generated by plot.py at 2018-02-20 07:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.11 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 100.11 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.06%

Run 1: Report of Copa — Data Link

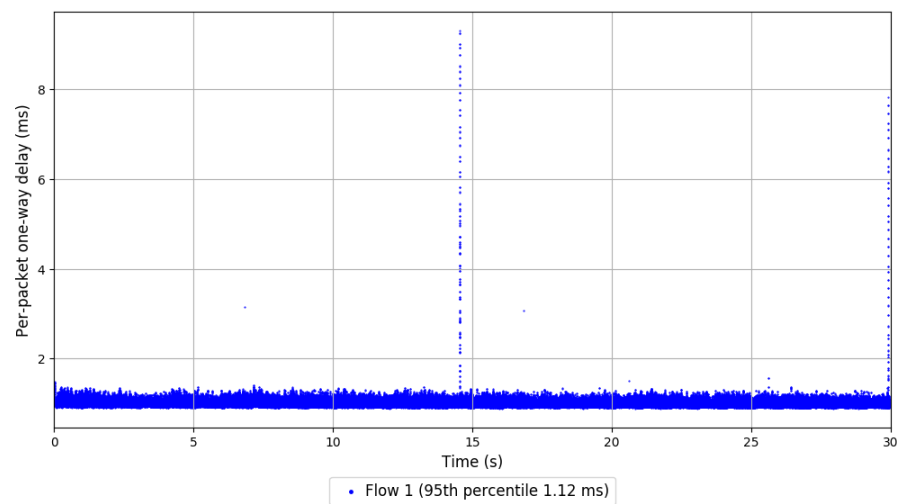
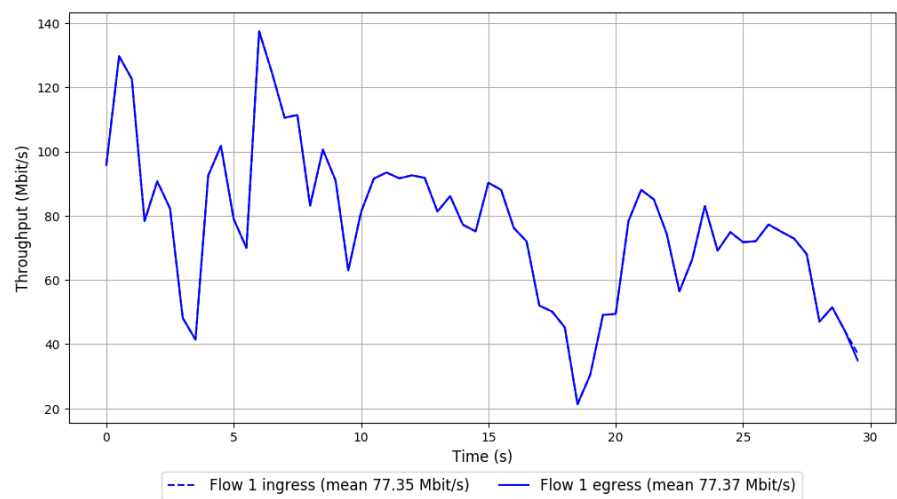


Run 2: Statistics of Copa

Start at: 2018-02-19 21:43:47
End at: 2018-02-19 21:44:17
Local clock offset: 0.985 ms
Remote clock offset: -6.467 ms

Below is generated by plot.py at 2018-02-20 07:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.05%

Run 2: Report of Copa — Data Link

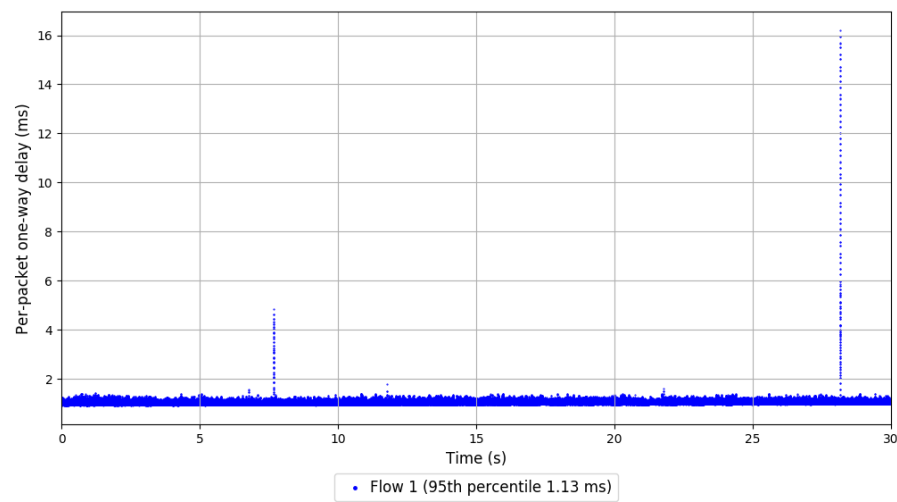
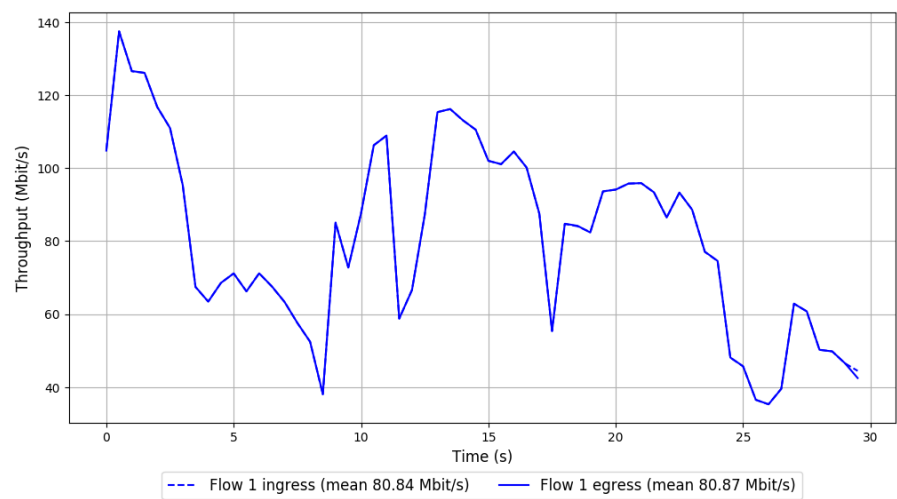


Run 3: Statistics of Copa

Start at: 2018-02-19 22:11:11
End at: 2018-02-19 22:11:41
Local clock offset: 4.496 ms
Remote clock offset: -5.571 ms

Below is generated by plot.py at 2018-02-20 07:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.87 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 80.87 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.04%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

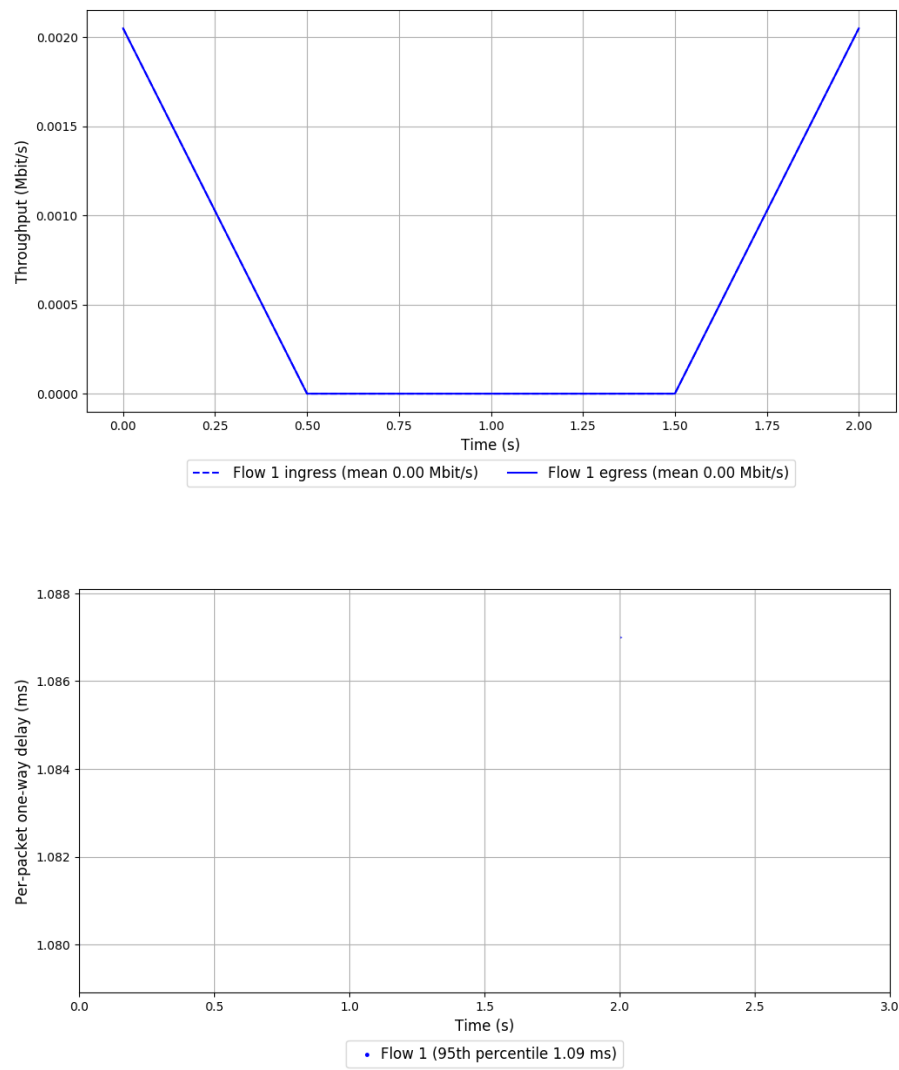
Start at: 2018-02-19 22:38:44

End at: 2018-02-19 22:39:14

Local clock offset: 3.092 ms

Remote clock offset: -3.382 ms

Run 4: Report of Copa — Data Link

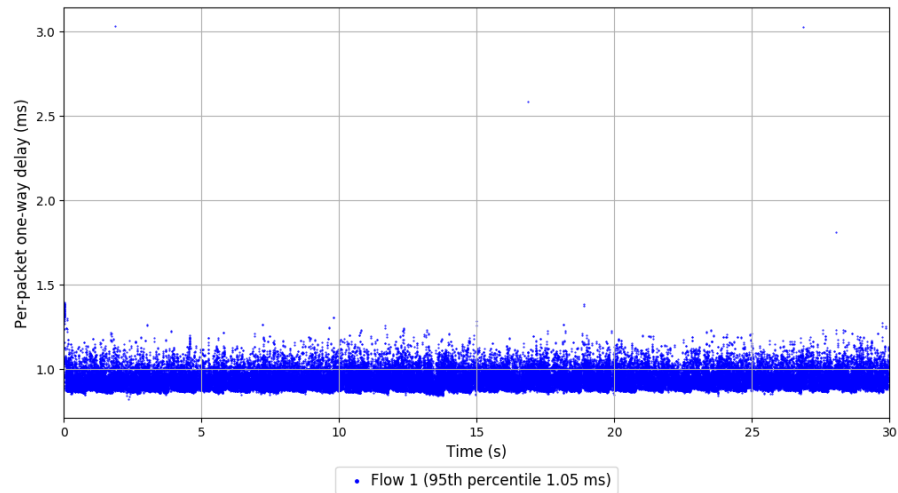
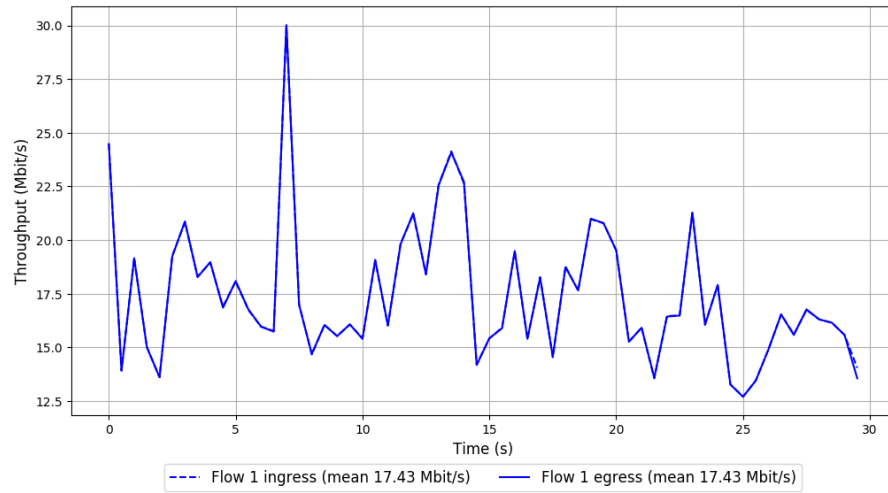


Run 5: Statistics of Copa

Start at: 2018-02-19 23:06:20
End at: 2018-02-19 23:06:50
Local clock offset: 2.742 ms
Remote clock offset: -2.366 ms

Below is generated by plot.py at 2018-02-20 07:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.43 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 17.43 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.05%

Run 5: Report of Copa — Data Link

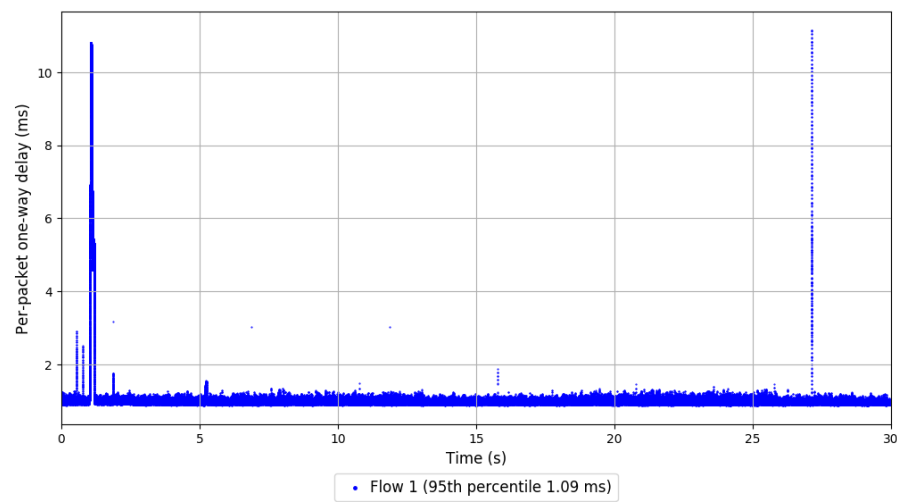
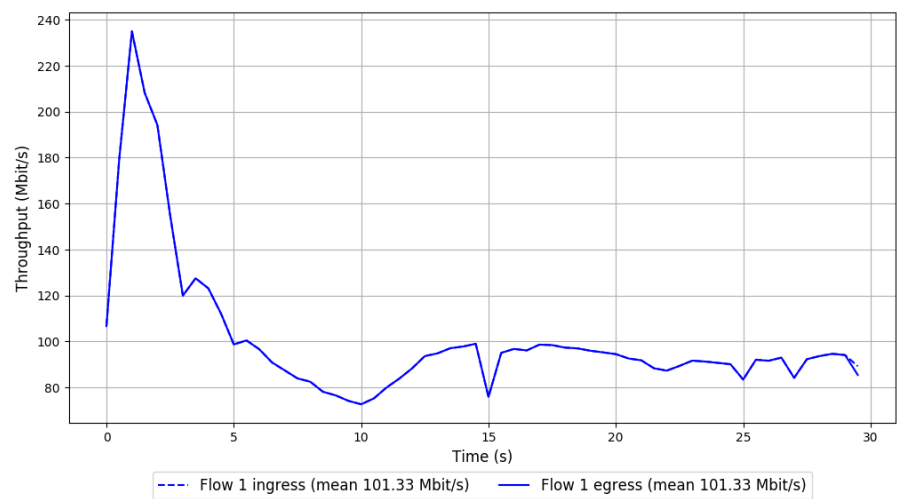


Run 6: Statistics of Copa

Start at: 2018-02-19 23:34:04
End at: 2018-02-19 23:34:34
Local clock offset: 2.928 ms
Remote clock offset: -4.187 ms

Below is generated by plot.py at 2018-02-20 07:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.33 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 101.33 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.07%

Run 6: Report of Copa — Data Link

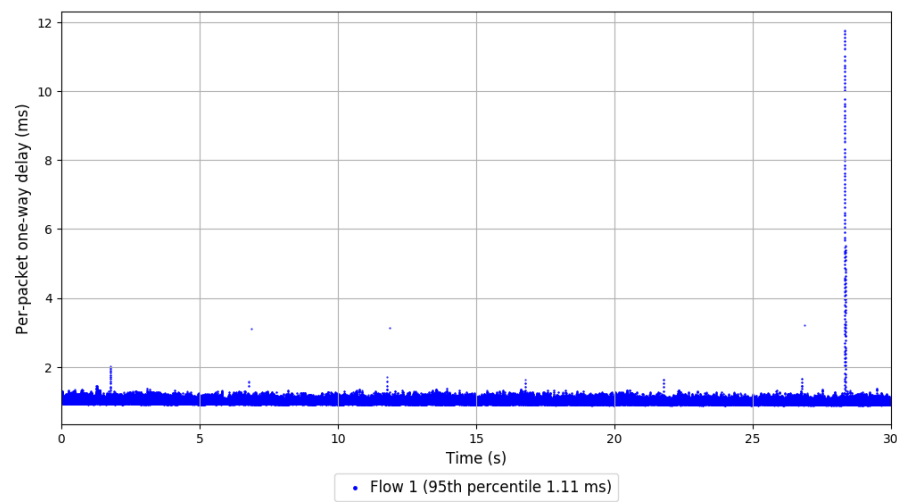
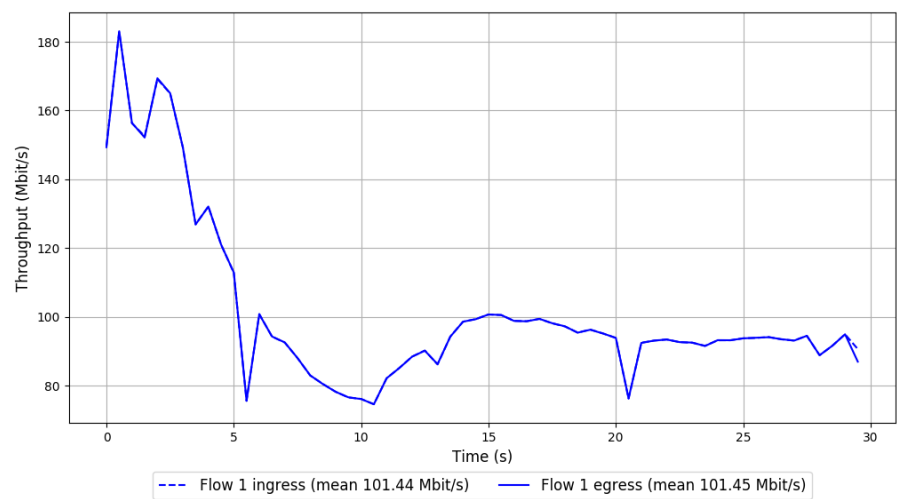


Run 7: Statistics of Copa

Start at: 2018-02-20 00:01:58
End at: 2018-02-20 00:02:28
Local clock offset: 2.757 ms
Remote clock offset: -5.378 ms

Below is generated by plot.py at 2018-02-20 07:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.45 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 101.45 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.06%

Run 7: Report of Copa — Data Link

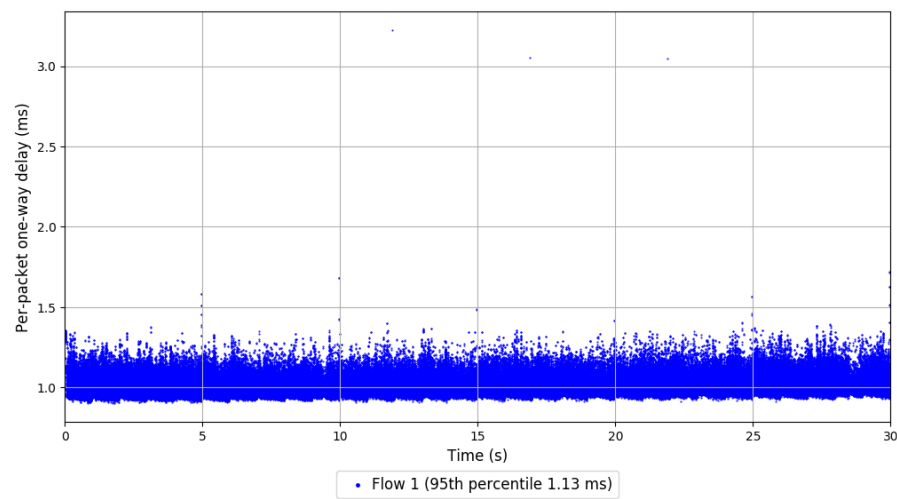
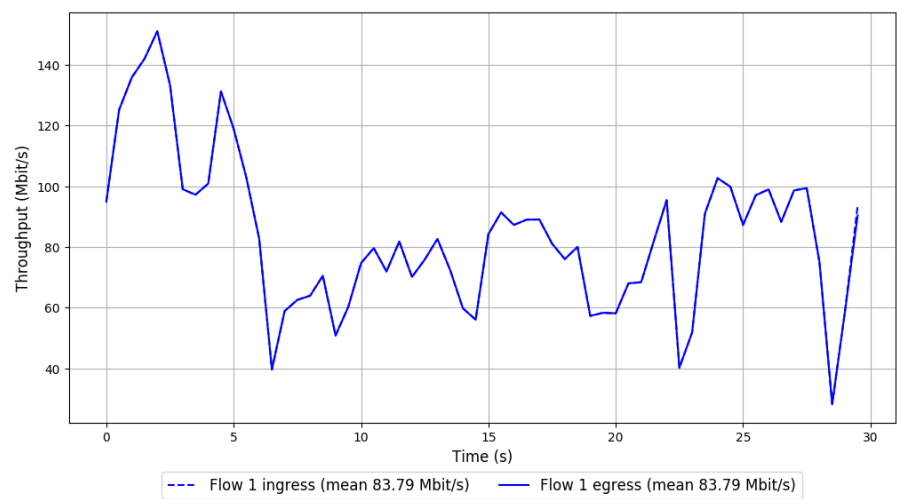


Run 8: Statistics of Copa

Start at: 2018-02-20 00:29:34
End at: 2018-02-20 00:30:04
Local clock offset: 2.213 ms
Remote clock offset: -5.472 ms

Below is generated by plot.py at 2018-02-20 07:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.07%

Run 8: Report of Copa — Data Link

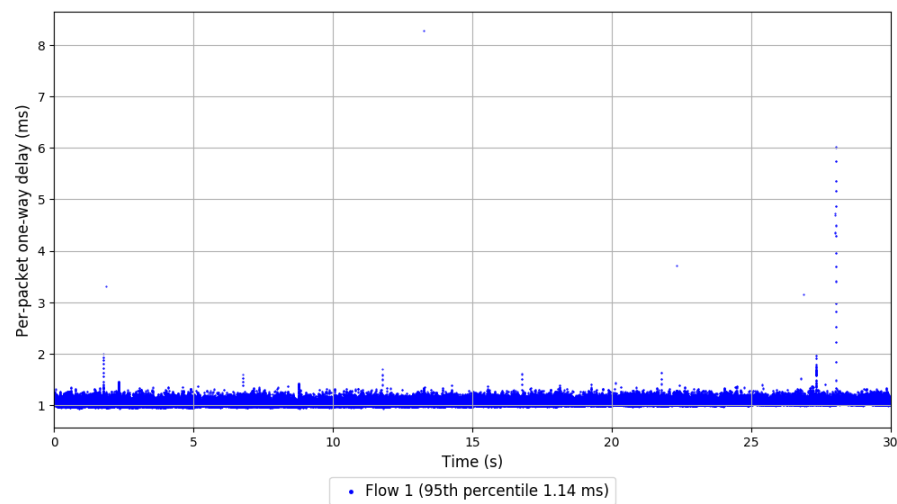
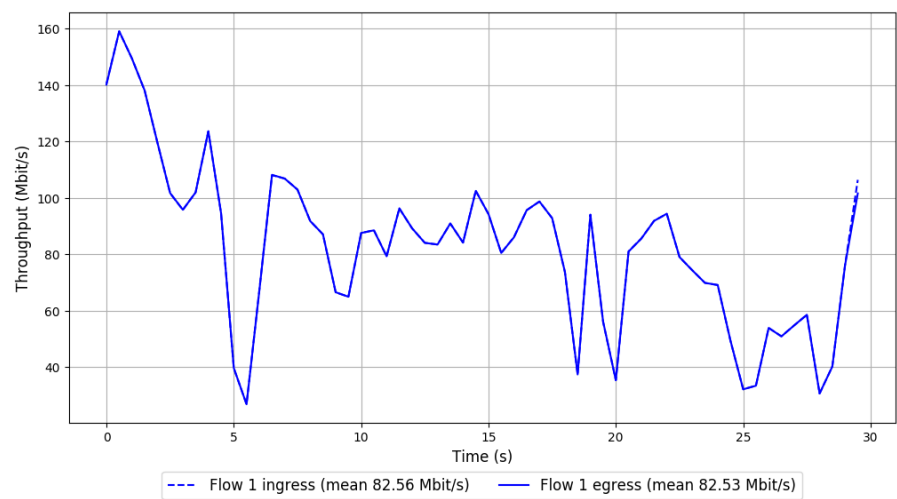


Run 9: Statistics of Copa

Start at: 2018-02-20 00:56:25
End at: 2018-02-20 00:56:55
Local clock offset: 1.082 ms
Remote clock offset: -5.171 ms

Below is generated by plot.py at 2018-02-20 07:30:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.10%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-20 01:23:59

End at: 2018-02-20 01:24:29

Local clock offset: 1.215 ms

Remote clock offset: -4.389 ms

Below is generated by plot.py at 2018-02-20 07:30:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.10 Mbit/s

95th percentile per-packet one-way delay: 1.071 ms

Loss rate: 0.03%

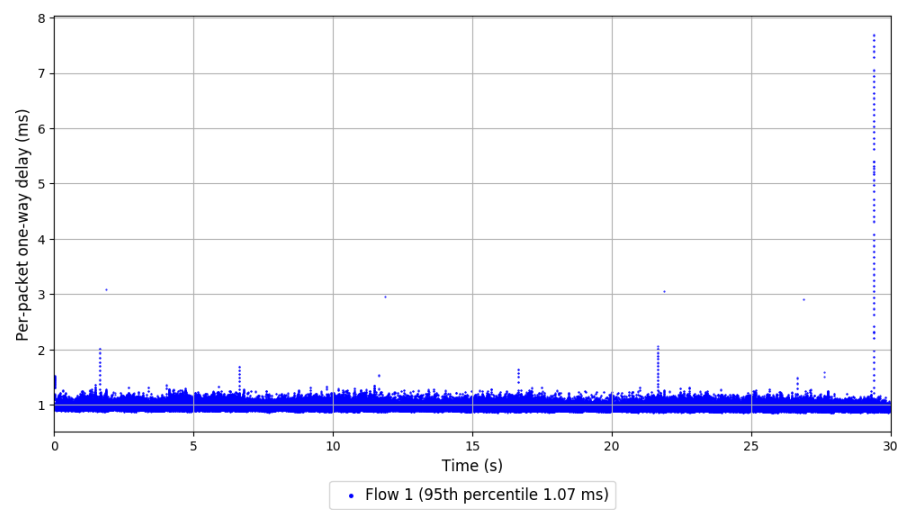
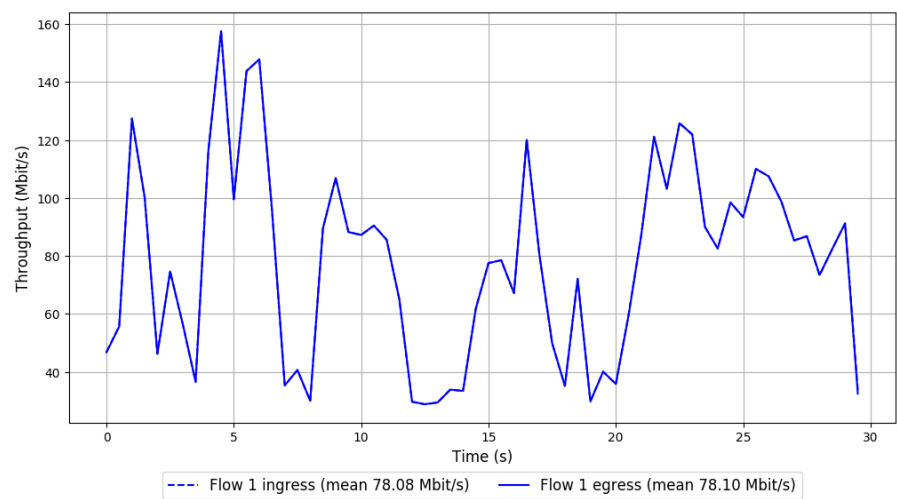
-- Flow 1:

Average throughput: 78.10 Mbit/s

95th percentile per-packet one-way delay: 1.071 ms

Loss rate: 0.03%

Run 10: Report of Copa — Data Link

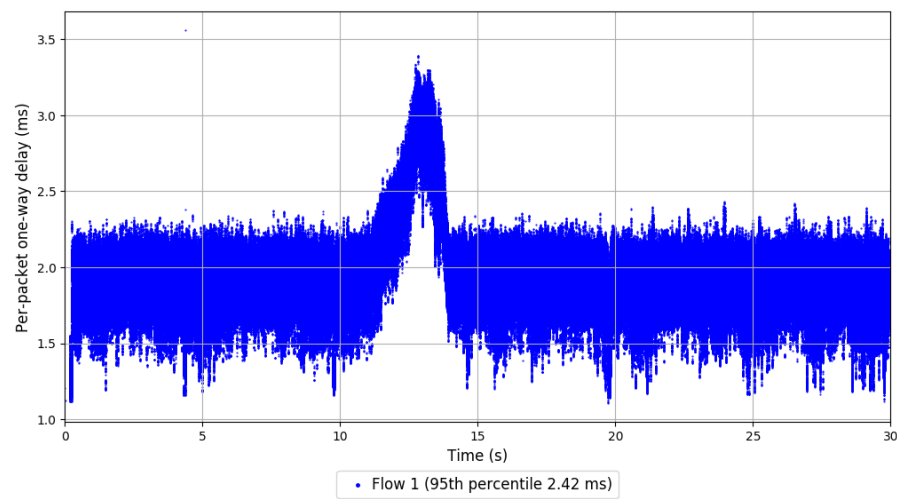
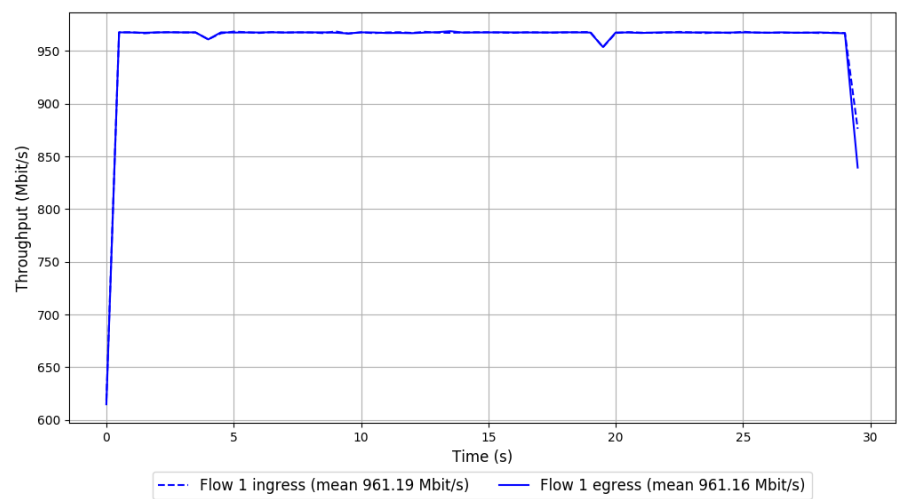


Run 1: Statistics of FillP

Start at: 2018-02-19 21:28:41
End at: 2018-02-19 21:29:11
Local clock offset: 1.455 ms
Remote clock offset: -5.417 ms

Below is generated by plot.py at 2018-02-20 07:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 961.16 Mbit/s
95th percentile per-packet one-way delay: 2.424 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 961.16 Mbit/s
95th percentile per-packet one-way delay: 2.424 ms
Loss rate: 0.07%

Run 1: Report of FillP — Data Link

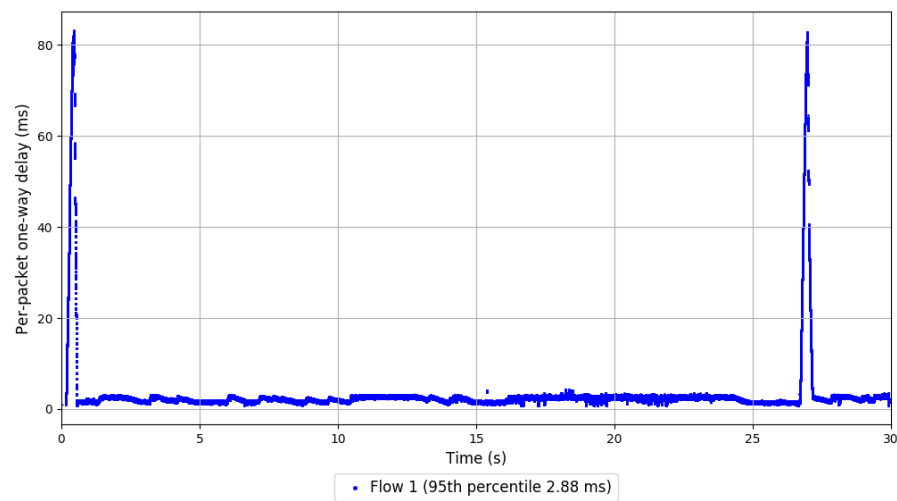
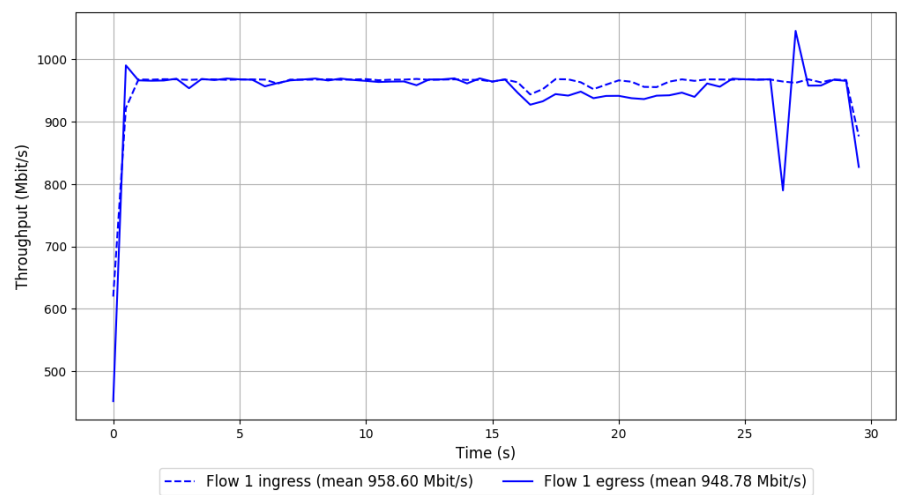


Run 2: Statistics of FillP

Start at: 2018-02-19 21:56:24
End at: 2018-02-19 21:56:54
Local clock offset: 2.576 ms
Remote clock offset: -6.643 ms

Below is generated by plot.py at 2018-02-20 07:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 948.78 Mbit/s
95th percentile per-packet one-way delay: 2.878 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 948.78 Mbit/s
95th percentile per-packet one-way delay: 2.878 ms
Loss rate: 1.09%

Run 2: Report of FillP — Data Link

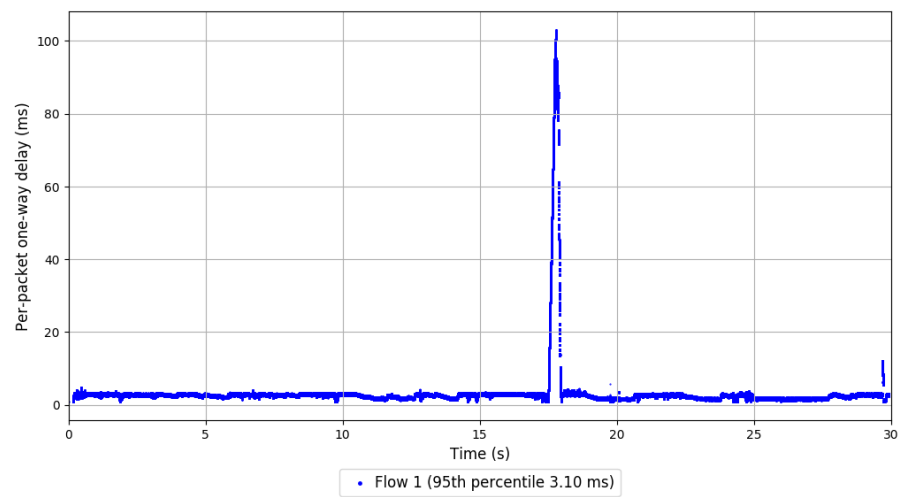
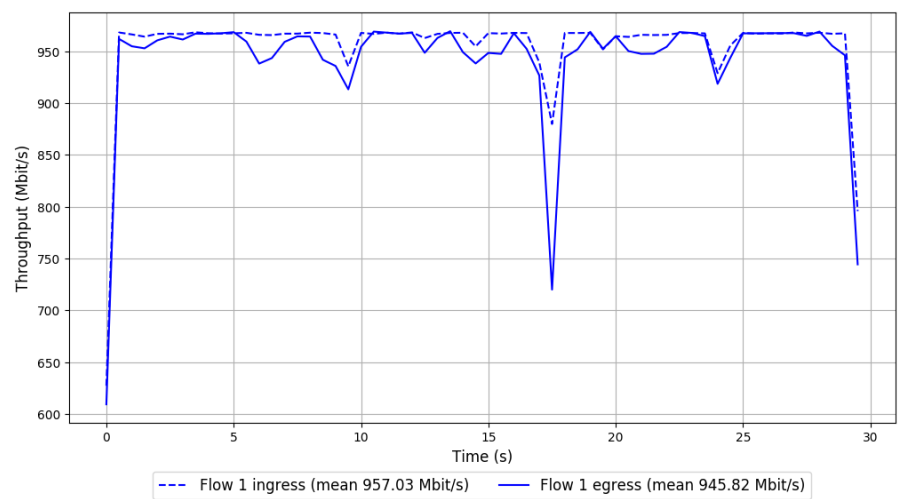


Run 3: Statistics of FillP

Start at: 2018-02-19 22:24:00
End at: 2018-02-19 22:24:30
Local clock offset: 5.304 ms
Remote clock offset: -4.076 ms

Below is generated by plot.py at 2018-02-20 07:44:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 945.82 Mbit/s
95th percentile per-packet one-way delay: 3.098 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 945.82 Mbit/s
95th percentile per-packet one-way delay: 3.098 ms
Loss rate: 1.24%

Run 3: Report of FillP — Data Link

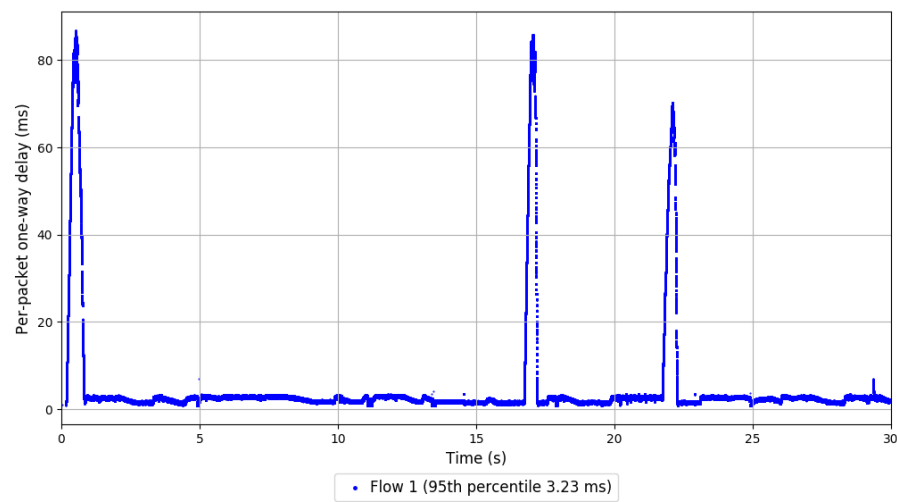
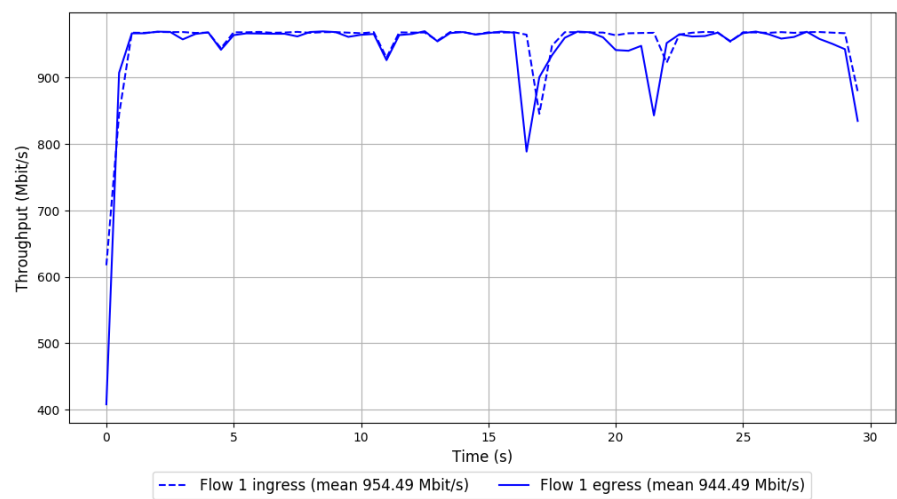


Run 4: Statistics of FillP

Start at: 2018-02-19 22:51:25
End at: 2018-02-19 22:51:55
Local clock offset: 2.693 ms
Remote clock offset: -2.902 ms

Below is generated by plot.py at 2018-02-20 07:44:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 944.49 Mbit/s
95th percentile per-packet one-way delay: 3.230 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 944.49 Mbit/s
95th percentile per-packet one-way delay: 3.230 ms
Loss rate: 1.11%

Run 4: Report of FillP — Data Link

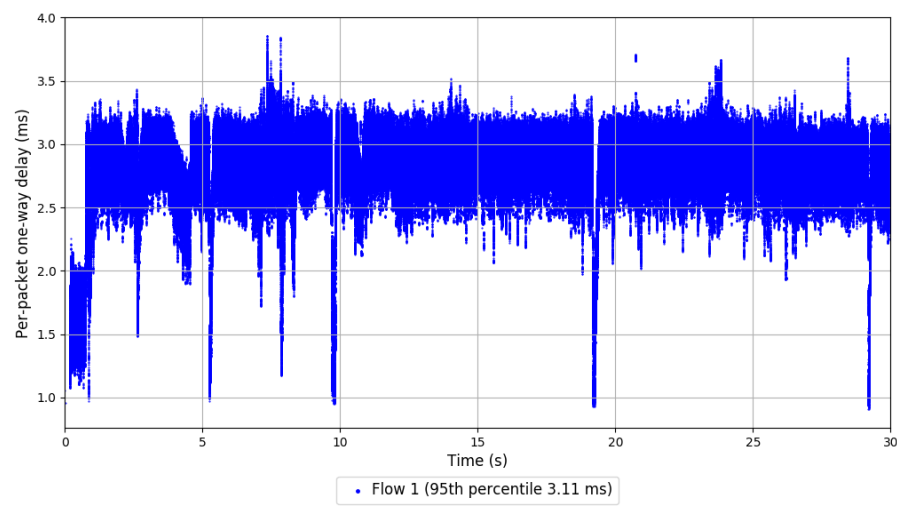
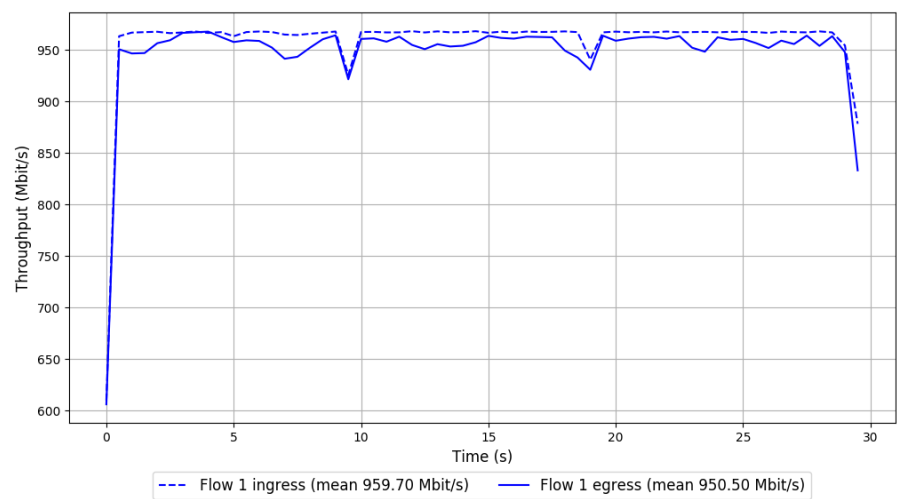


Run 5: Statistics of FillP

Start at: 2018-02-19 23:18:50
End at: 2018-02-19 23:19:20
Local clock offset: 2.916 ms
Remote clock offset: -3.041 ms

Below is generated by plot.py at 2018-02-20 07:44:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 950.50 Mbit/s
95th percentile per-packet one-way delay: 3.109 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 950.50 Mbit/s
95th percentile per-packet one-way delay: 3.109 ms
Loss rate: 1.03%

Run 5: Report of FillP — Data Link

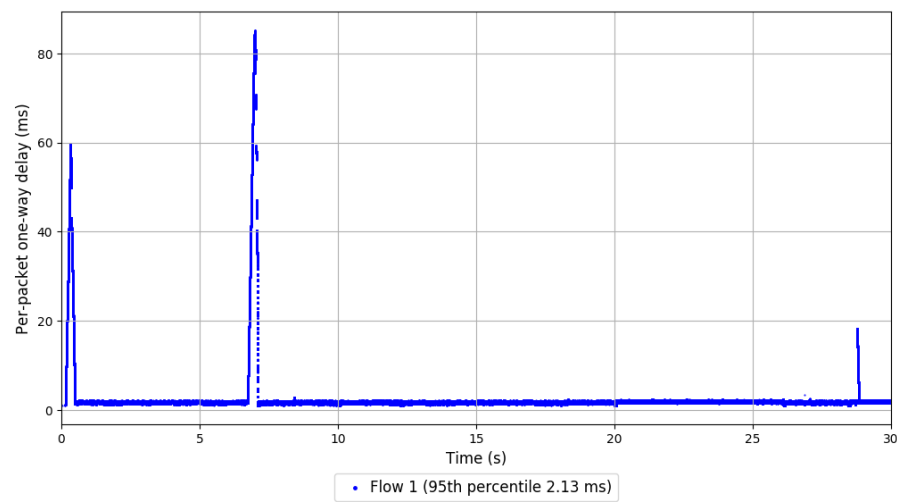
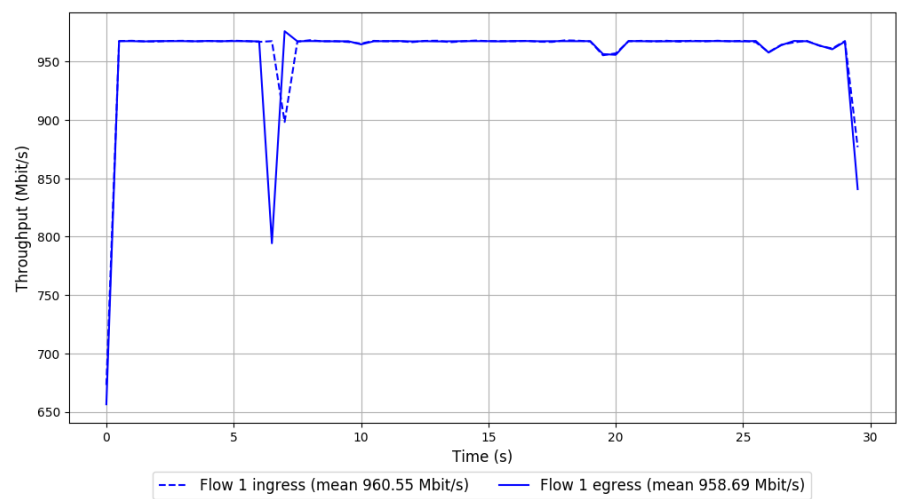


Run 6: Statistics of FillP

Start at: 2018-02-19 23:46:49
End at: 2018-02-19 23:47:19
Local clock offset: 2.8 ms
Remote clock offset: -4.444 ms

Below is generated by plot.py at 2018-02-20 07:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 958.69 Mbit/s
95th percentile per-packet one-way delay: 2.132 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 958.69 Mbit/s
95th percentile per-packet one-way delay: 2.132 ms
Loss rate: 0.26%

Run 6: Report of FillP — Data Link

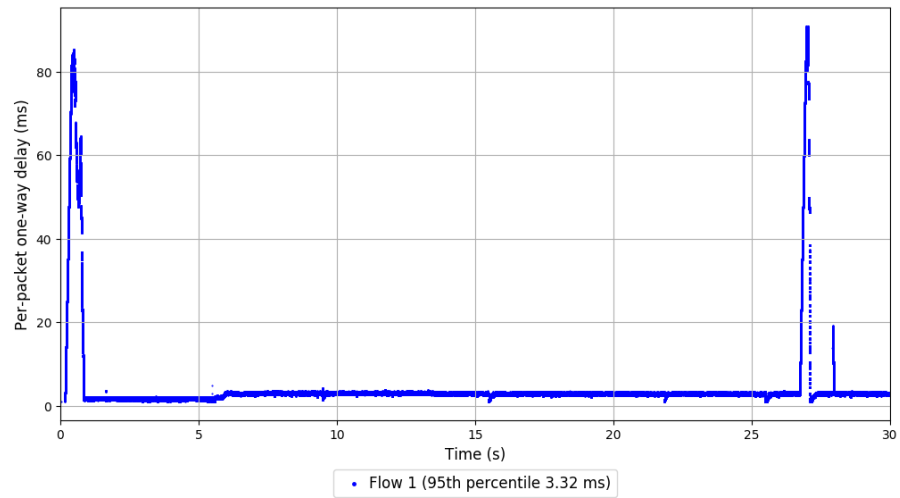
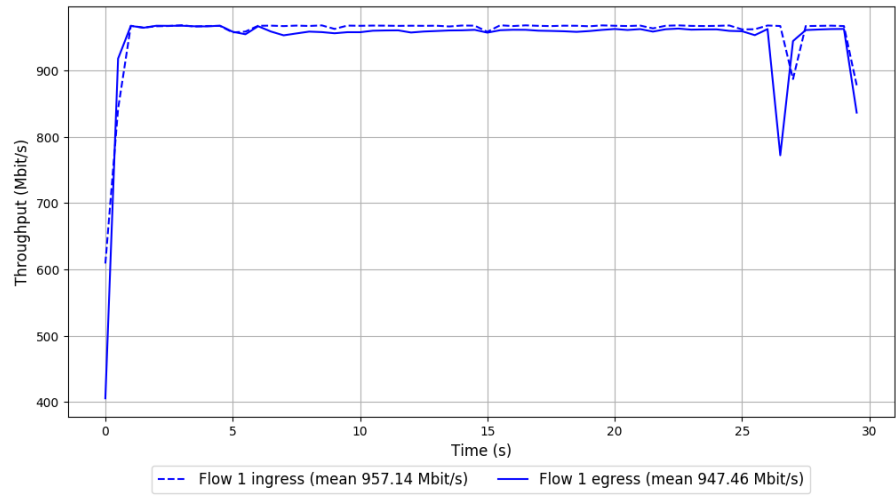


Run 7: Statistics of FillP

Start at: 2018-02-20 00:14:53
End at: 2018-02-20 00:15:23
Local clock offset: 2.537 ms
Remote clock offset: -5.816 ms

Below is generated by plot.py at 2018-02-20 07:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 947.46 Mbit/s
95th percentile per-packet one-way delay: 3.317 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 947.46 Mbit/s
95th percentile per-packet one-way delay: 3.317 ms
Loss rate: 1.08%

Run 7: Report of FillP — Data Link

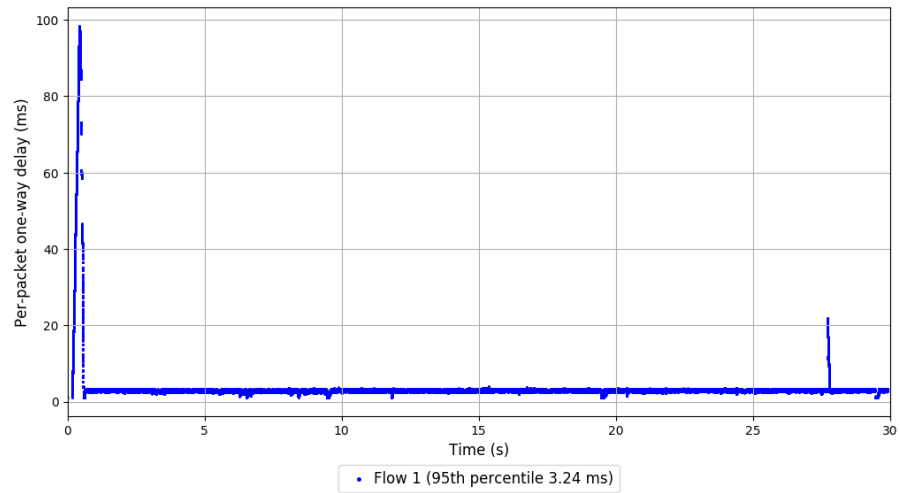
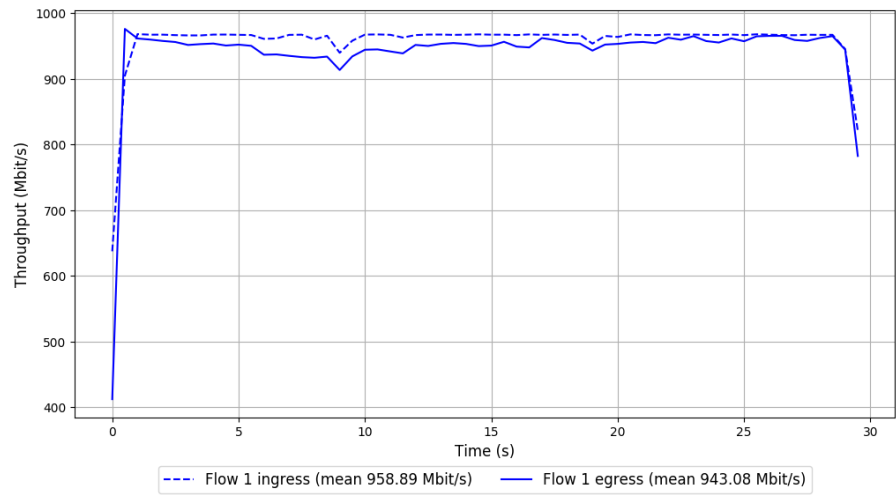


Run 8: Statistics of FillP

Start at: 2018-02-20 00:41:58
End at: 2018-02-20 00:42:28
Local clock offset: 2.157 ms
Remote clock offset: -5.106 ms

Below is generated by plot.py at 2018-02-20 07:44:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 943.08 Mbit/s
95th percentile per-packet one-way delay: 3.242 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 943.08 Mbit/s
95th percentile per-packet one-way delay: 3.242 ms
Loss rate: 1.71%

Run 8: Report of FillP — Data Link

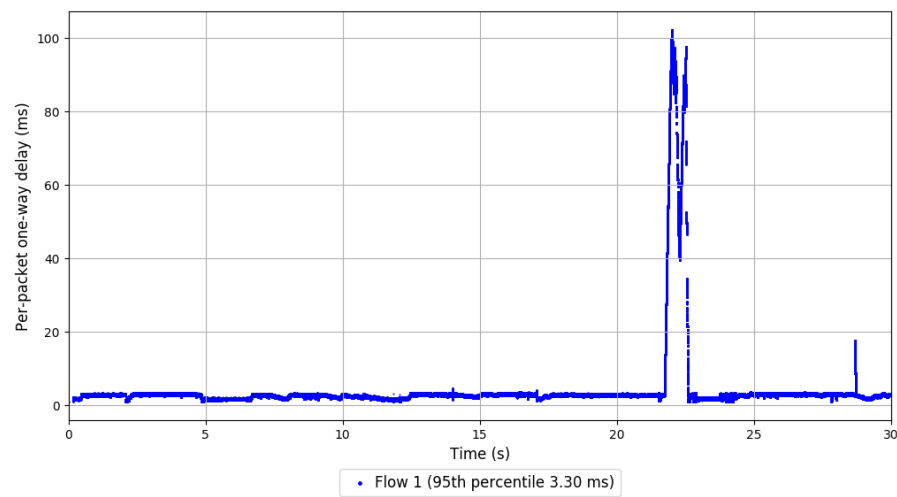
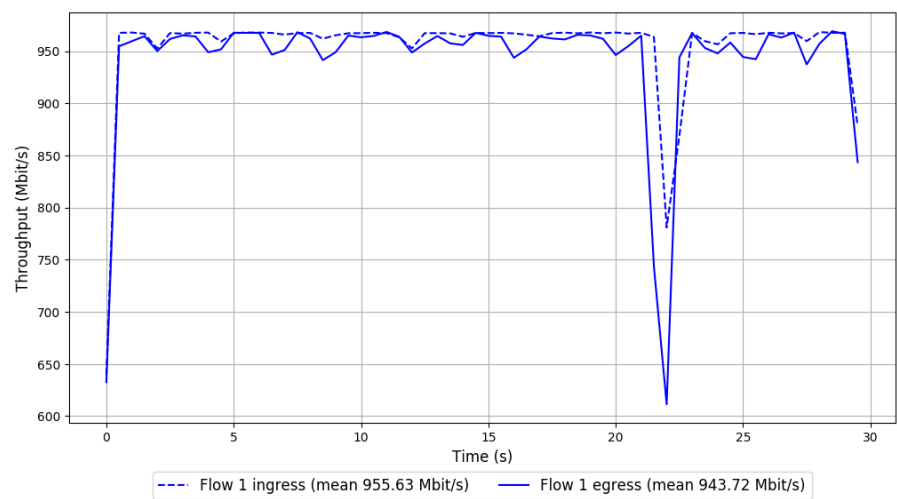


Run 9: Statistics of FillP

Start at: 2018-02-20 01:09:05
End at: 2018-02-20 01:09:35
Local clock offset: 0.774 ms
Remote clock offset: -4.559 ms

Below is generated by plot.py at 2018-02-20 07:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 943.72 Mbit/s
95th percentile per-packet one-way delay: 3.300 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 943.72 Mbit/s
95th percentile per-packet one-way delay: 3.300 ms
Loss rate: 1.31%

Run 9: Report of FillP — Data Link

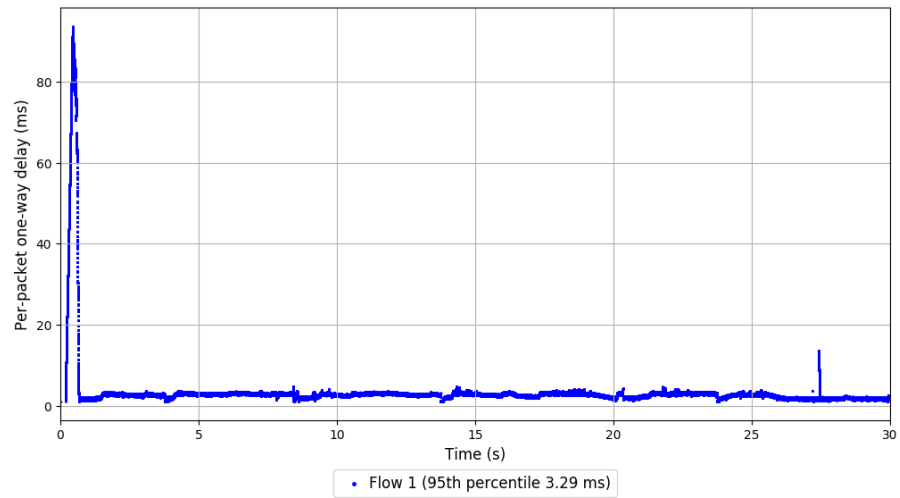
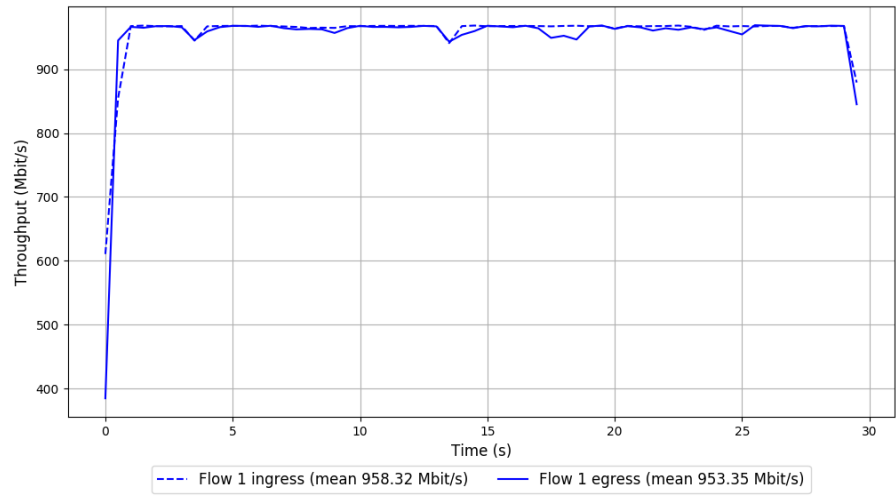


Run 10: Statistics of FillP

Start at: 2018-02-20 01:36:43
End at: 2018-02-20 01:37:13
Local clock offset: 1.586 ms
Remote clock offset: -4.108 ms

Below is generated by plot.py at 2018-02-20 07:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 953.35 Mbit/s
95th percentile per-packet one-way delay: 3.287 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 953.35 Mbit/s
95th percentile per-packet one-way delay: 3.287 ms
Loss rate: 0.58%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-02-19 21:17:17

End at: 2018-02-19 21:17:47

Local clock offset: 2.066 ms

Remote clock offset: -5.769 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.31 Mbit/s

95th percentile per-packet one-way delay: 1.300 ms

Loss rate: 0.07%

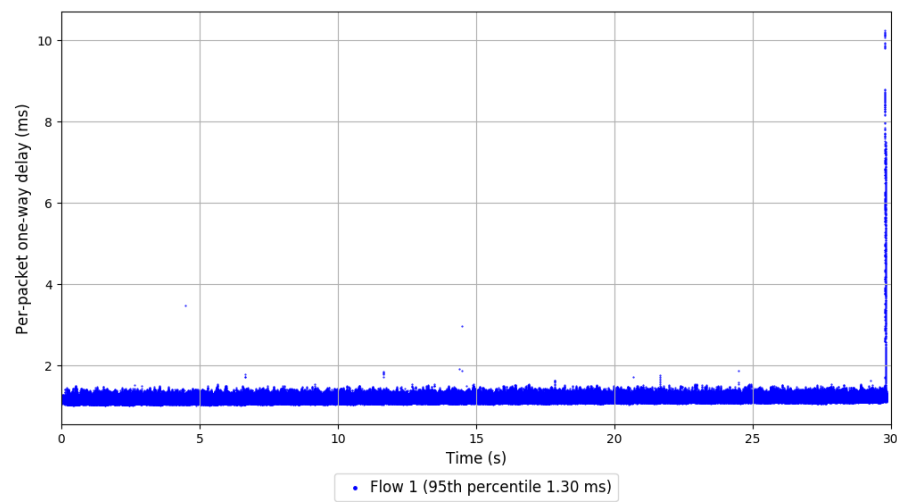
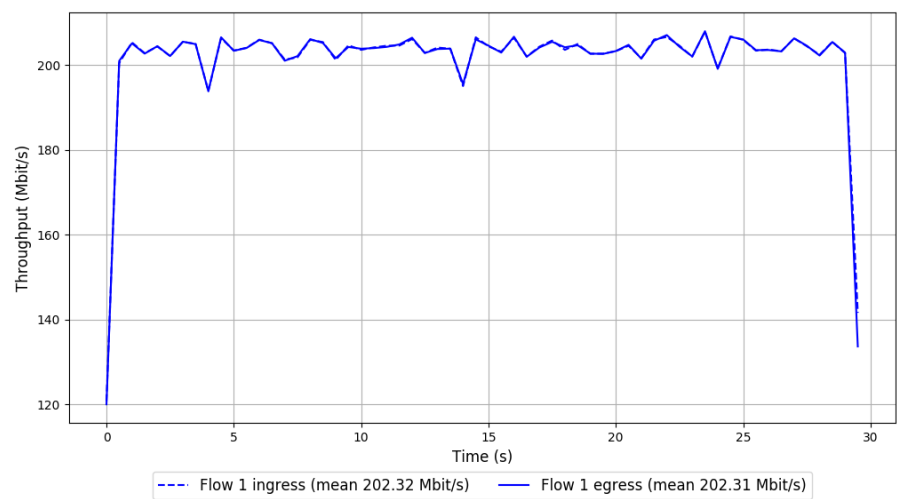
-- Flow 1:

Average throughput: 202.31 Mbit/s

95th percentile per-packet one-way delay: 1.300 ms

Loss rate: 0.07%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-19 21:45:10

End at: 2018-02-19 21:45:41

Local clock offset: 1.046 ms

Remote clock offset: -6.534 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.37 Mbit/s

95th percentile per-packet one-way delay: 1.210 ms

Loss rate: 0.06%

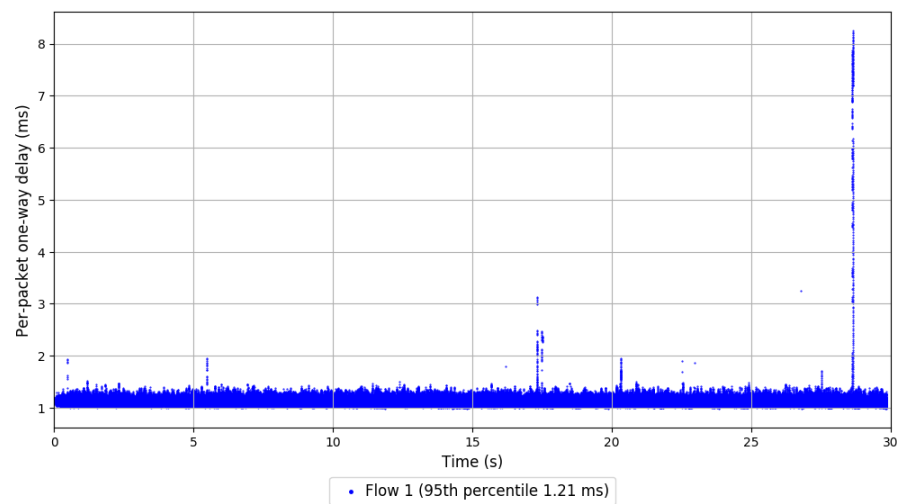
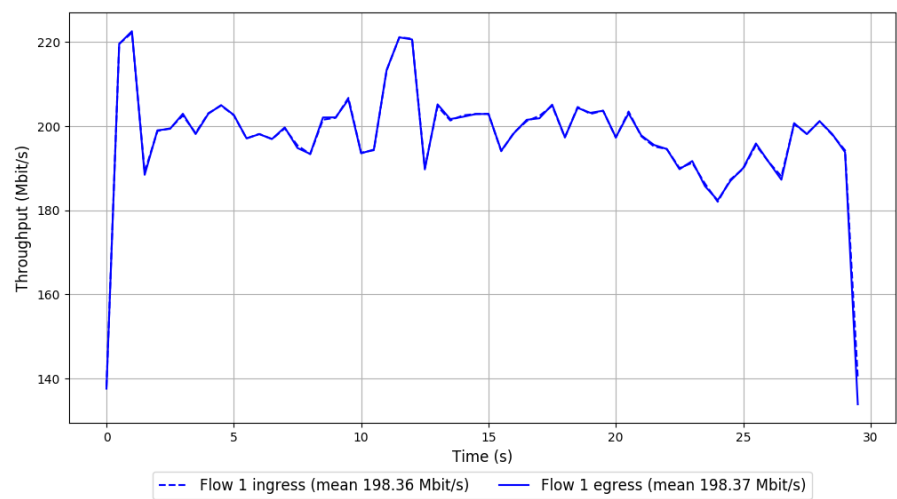
-- Flow 1:

Average throughput: 198.37 Mbit/s

95th percentile per-packet one-way delay: 1.210 ms

Loss rate: 0.06%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-19 22:12:34

End at: 2018-02-19 22:13:05

Local clock offset: 4.588 ms

Remote clock offset: -5.279 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.61 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.07%

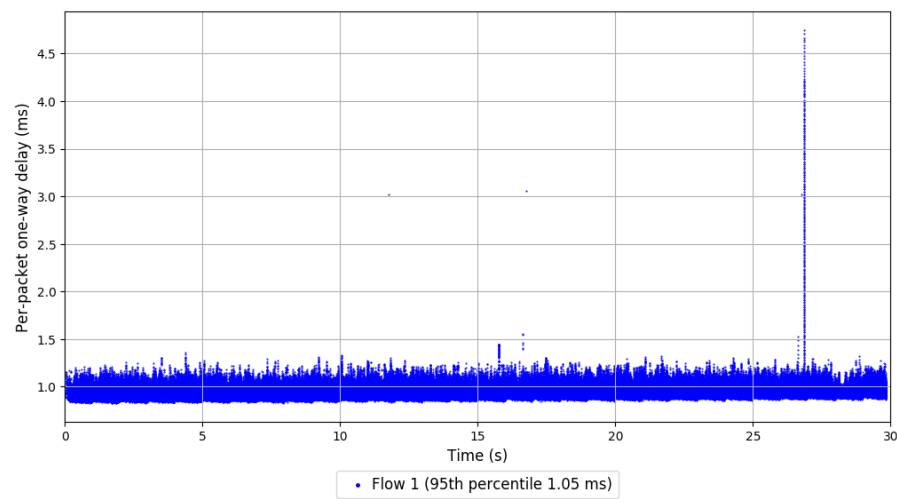
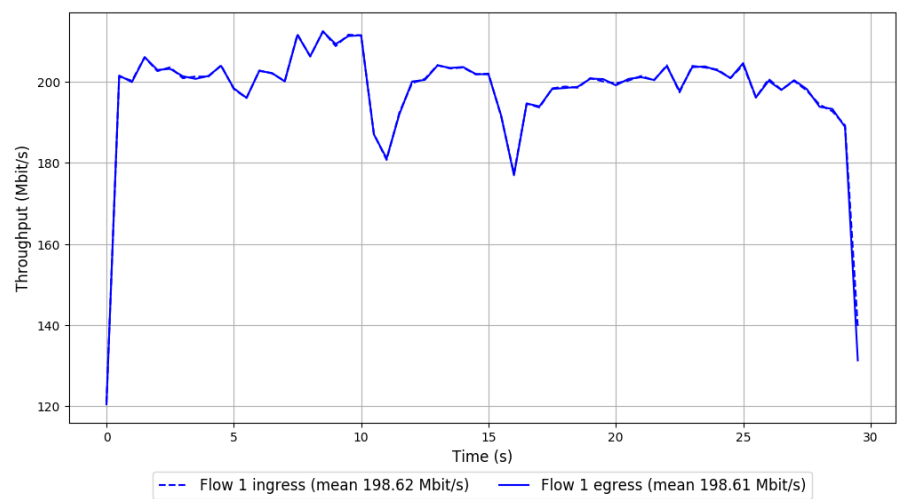
-- Flow 1:

Average throughput: 198.61 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.07%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-19 22:40:02

End at: 2018-02-19 22:40:32

Local clock offset: 3.031 ms

Remote clock offset: -3.306 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.03 Mbit/s

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

Loss rate: 0.07%

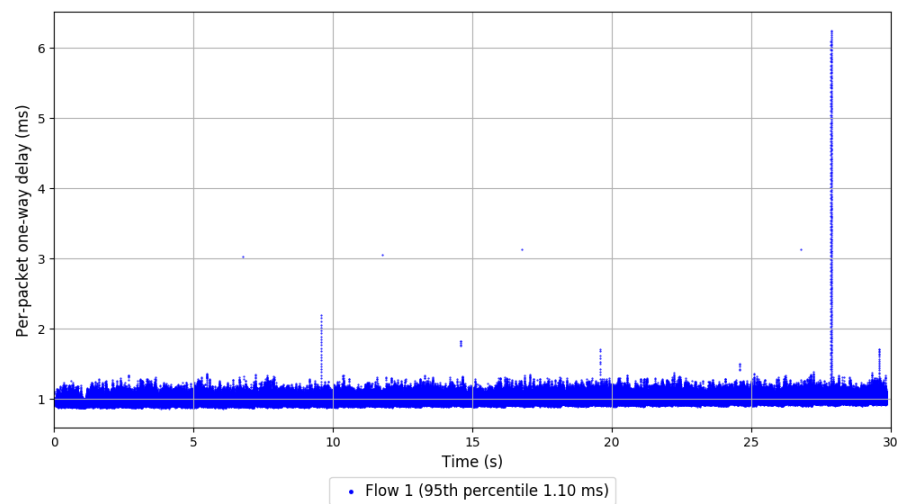
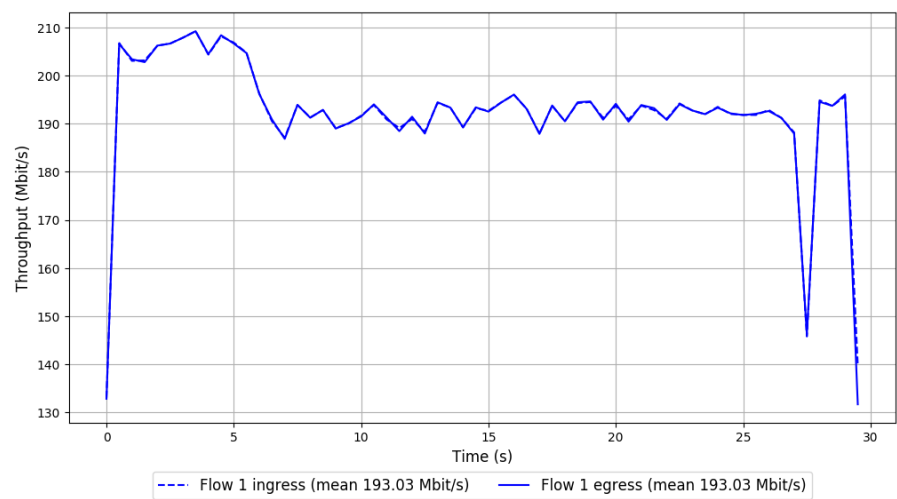
-- Flow 1:

Average throughput: 193.03 Mbit/s

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

Loss rate: 0.07%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-19 23:07:39

End at: 2018-02-19 23:08:09

Local clock offset: 2.858 ms

Remote clock offset: -2.404 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.83 Mbit/s

95th percentile per-packet one-way delay: 1.236 ms

Loss rate: 0.08%

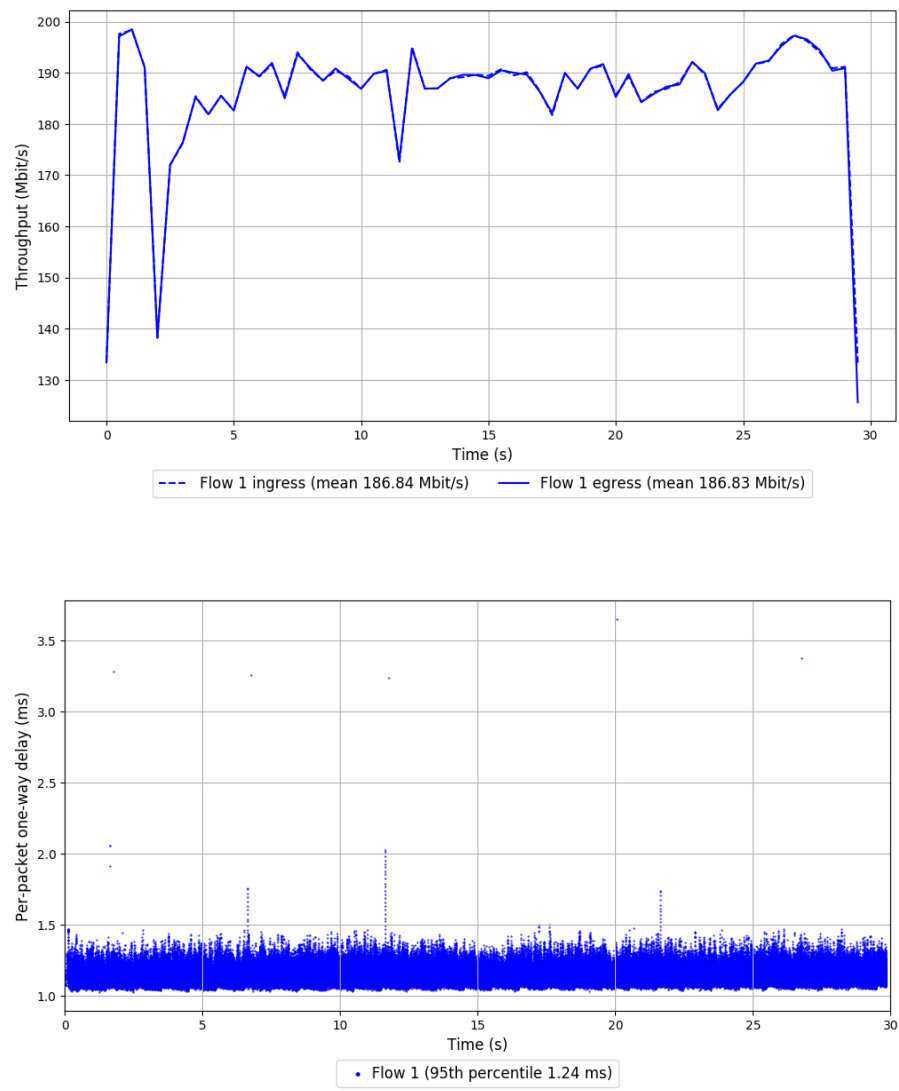
-- Flow 1:

Average throughput: 186.83 Mbit/s

95th percentile per-packet one-way delay: 1.236 ms

Loss rate: 0.08%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-19 23:35:28

End at: 2018-02-19 23:35:58

Local clock offset: 2.96 ms

Remote clock offset: -4.268 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.27 Mbit/s

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

Loss rate: 0.06%

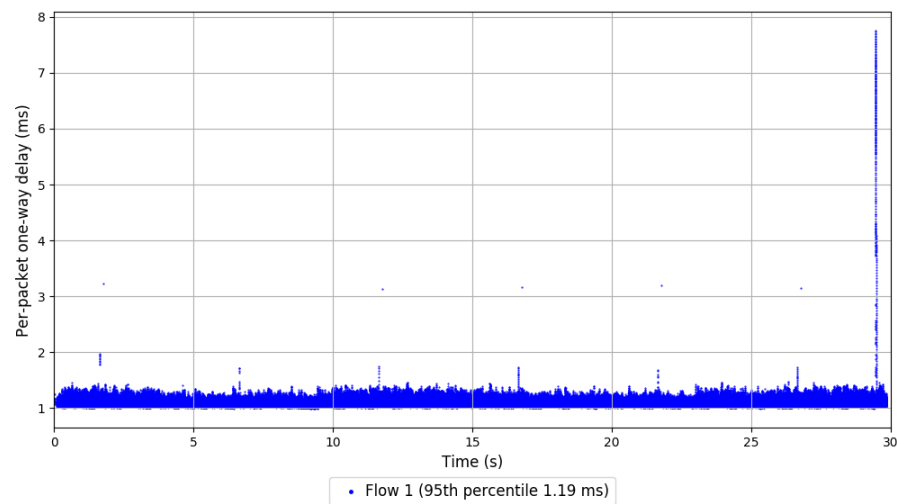
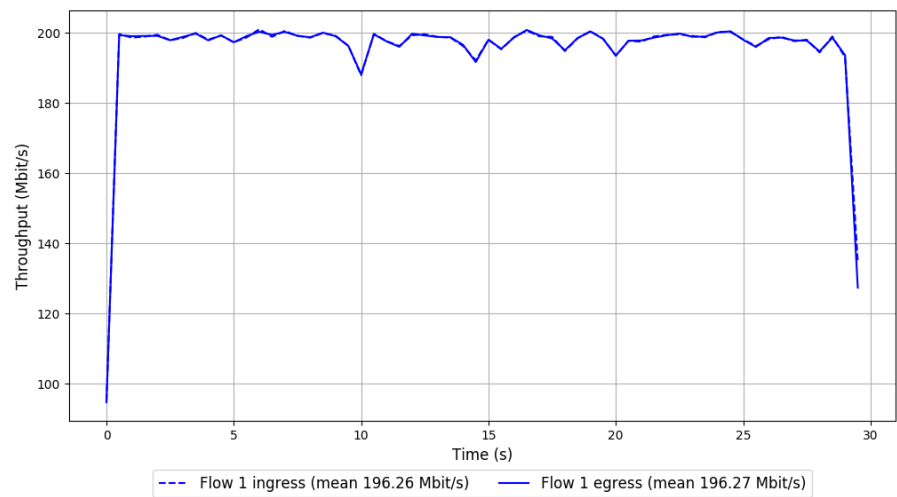
-- Flow 1:

Average throughput: 196.27 Mbit/s

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

Loss rate: 0.06%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-20 00:03:23

End at: 2018-02-20 00:03:53

Local clock offset: 2.768 ms

Remote clock offset: -5.54 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.10 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.07%

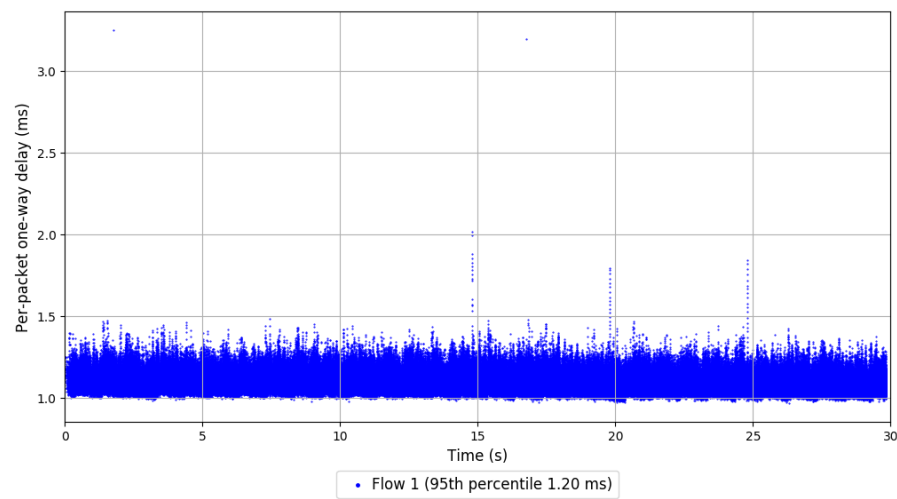
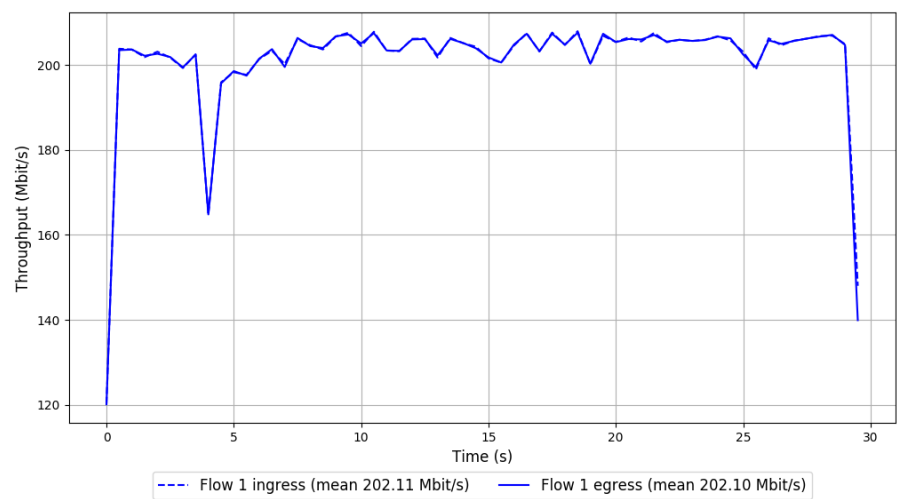
-- Flow 1:

Average throughput: 202.10 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.07%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-20 00:30:58

End at: 2018-02-20 00:31:28

Local clock offset: 2.284 ms

Remote clock offset: -5.417 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.83 Mbit/s

95th percentile per-packet one-way delay: 1.255 ms

Loss rate: 0.07%

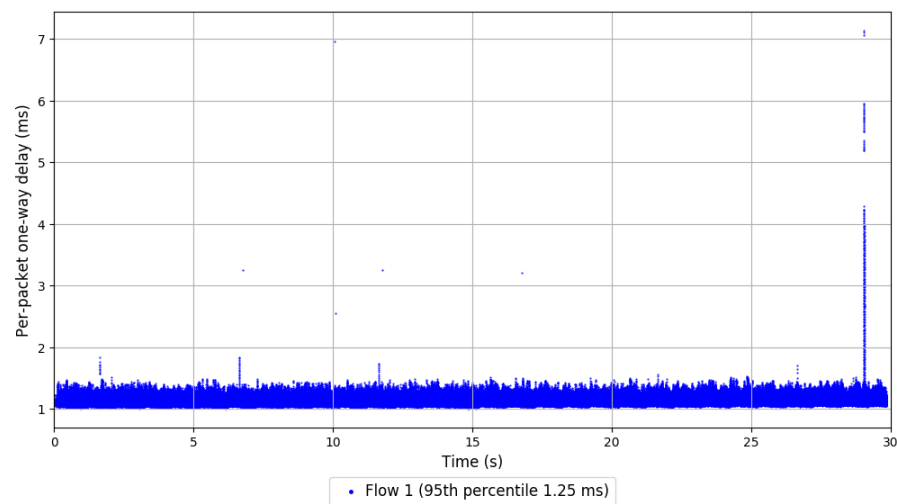
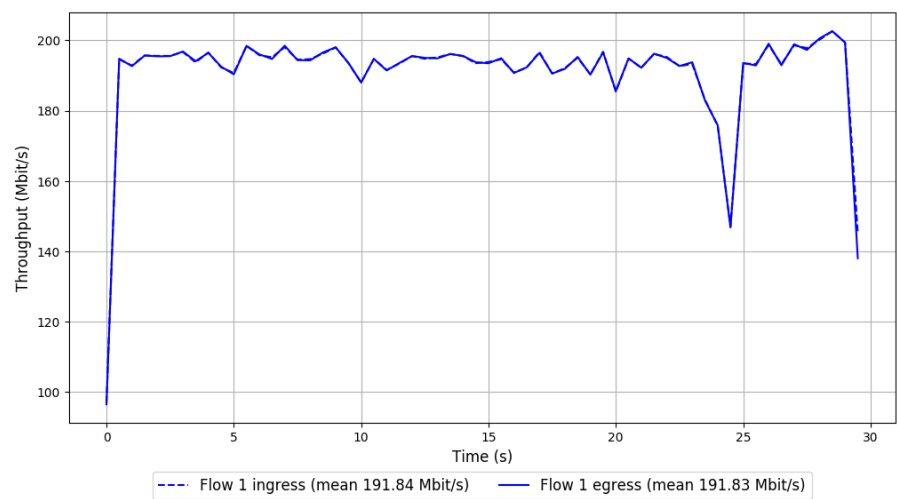
-- Flow 1:

Average throughput: 191.83 Mbit/s

95th percentile per-packet one-way delay: 1.255 ms

Loss rate: 0.07%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-20 00:57:48

End at: 2018-02-20 00:58:18

Local clock offset: 1.135 ms

Remote clock offset: -5.033 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.46 Mbit/s

95th percentile per-packet one-way delay: 1.260 ms

Loss rate: 0.07%

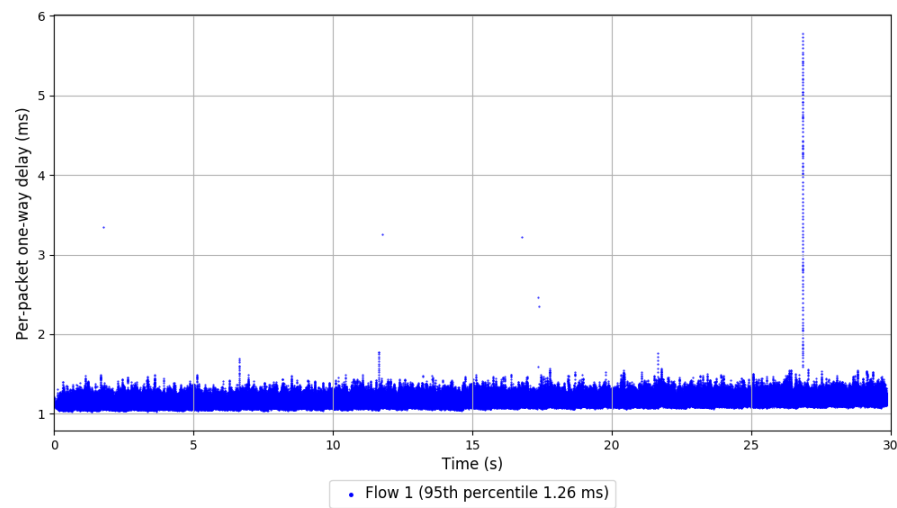
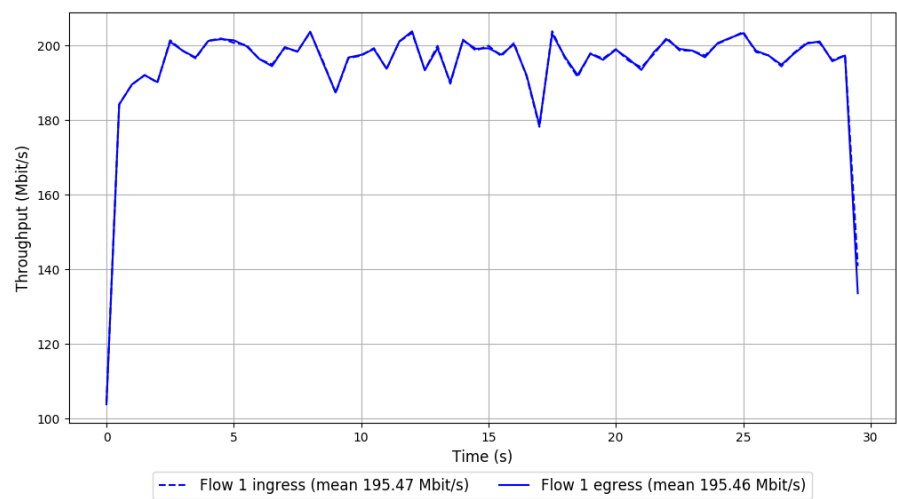
-- Flow 1:

Average throughput: 195.46 Mbit/s

95th percentile per-packet one-way delay: 1.260 ms

Loss rate: 0.07%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-20 01:25:23

End at: 2018-02-20 01:25:53

Local clock offset: 1.374 ms

Remote clock offset: -4.344 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.71 Mbit/s

95th percentile per-packet one-way delay: 1.161 ms

Loss rate: 0.06%

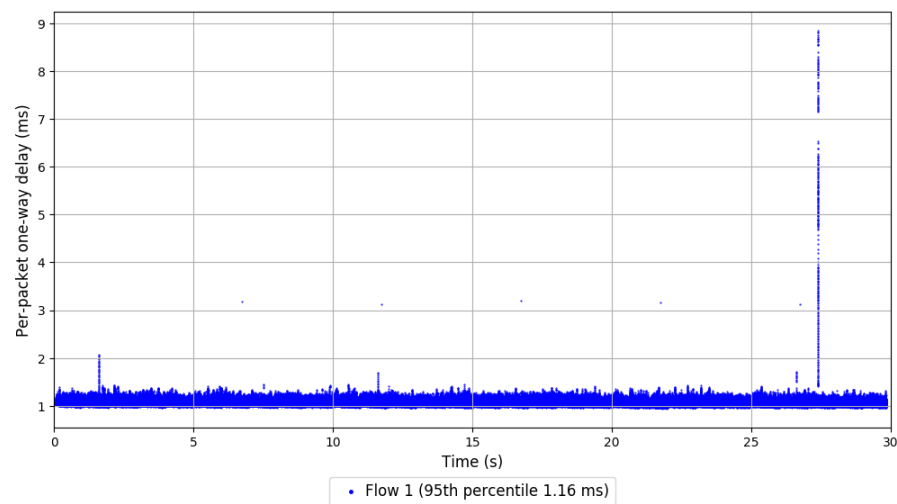
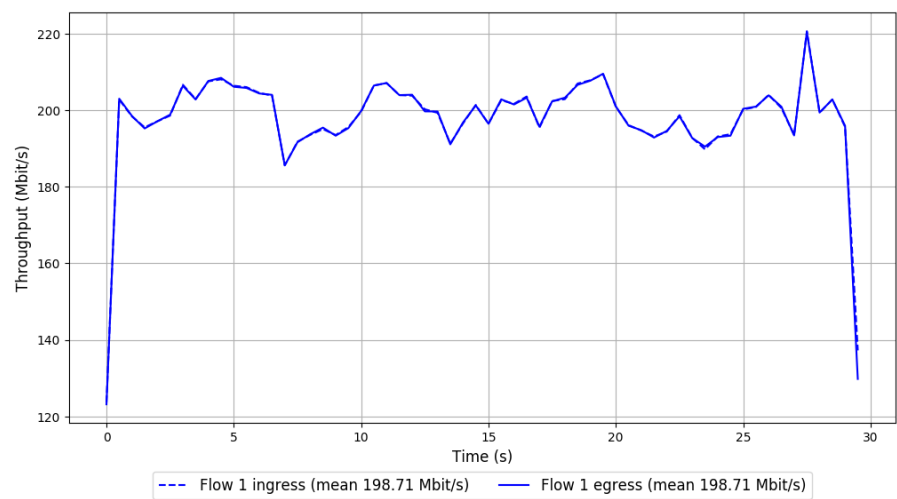
-- Flow 1:

Average throughput: 198.71 Mbit/s

95th percentile per-packet one-way delay: 1.161 ms

Loss rate: 0.06%

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

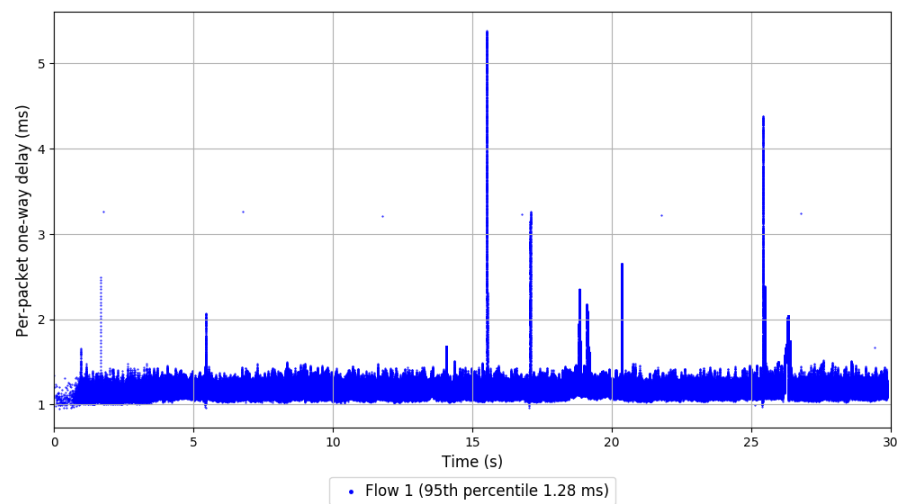
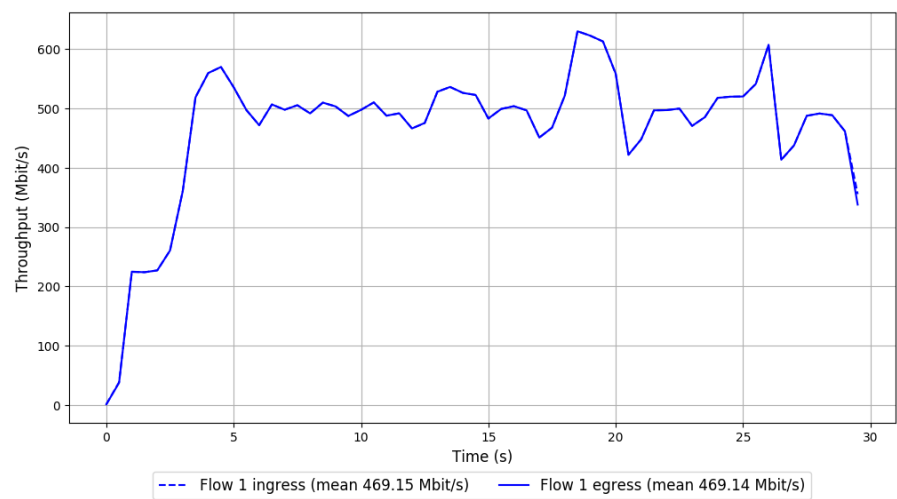


Run 1: Statistics of Vivace-latency

Start at: 2018-02-19 21:08:26
End at: 2018-02-19 21:08:56
Local clock offset: 2.329 ms
Remote clock offset: -6.129 ms

Below is generated by plot.py at 2018-02-20 07:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.14 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 469.14 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.07%

Run 1: Report of Vivace-latency — Data Link

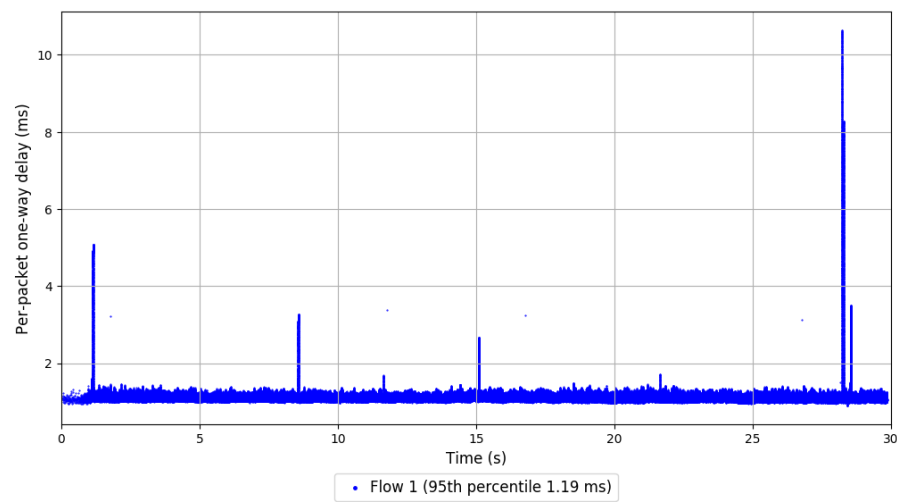
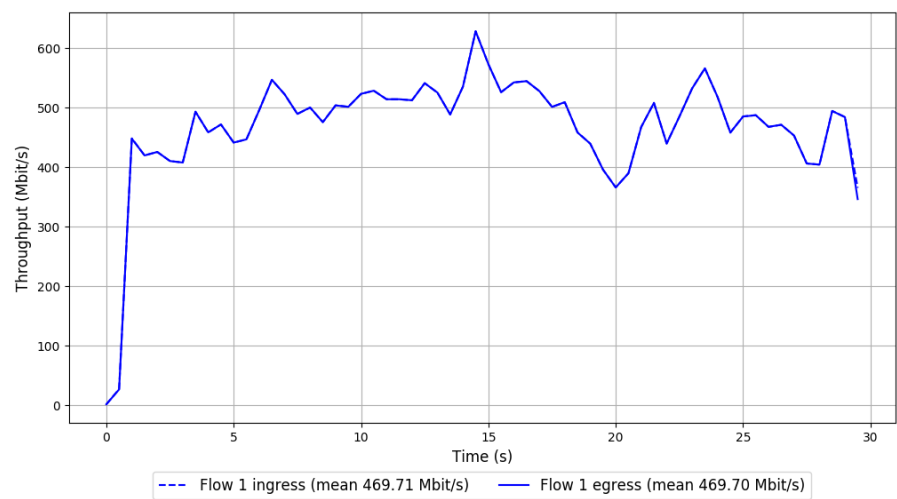


Run 2: Statistics of Vivace-latency

Start at: 2018-02-19 21:36:32
End at: 2018-02-19 21:37:02
Local clock offset: 1.217 ms
Remote clock offset: -5.934 ms

Below is generated by plot.py at 2018-02-20 07:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.70 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 469.70 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.07%

Run 2: Report of Vivace-latency — Data Link

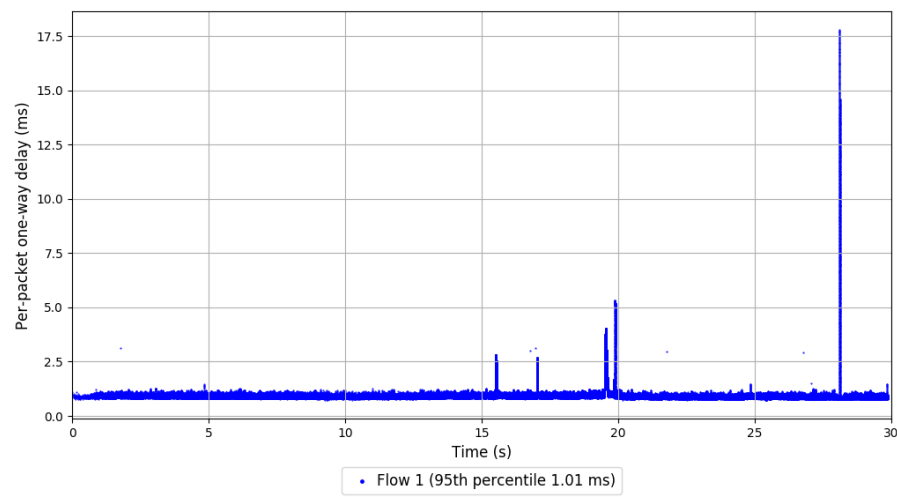
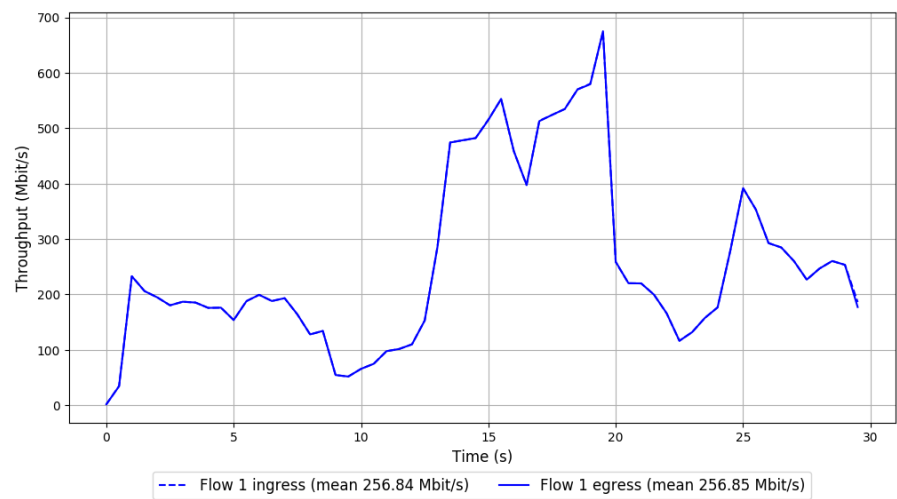


Run 3: Statistics of Vivace-latency

Start at: 2018-02-19 22:04:05
End at: 2018-02-19 22:04:35
Local clock offset: 3.805 ms
Remote clock offset: -6.684 ms

Below is generated by plot.py at 2018-02-20 07:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.85 Mbit/s
95th percentile per-packet one-way delay: 1.009 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 256.85 Mbit/s
95th percentile per-packet one-way delay: 1.009 ms
Loss rate: 0.06%

Run 3: Report of Vivace-latency — Data Link

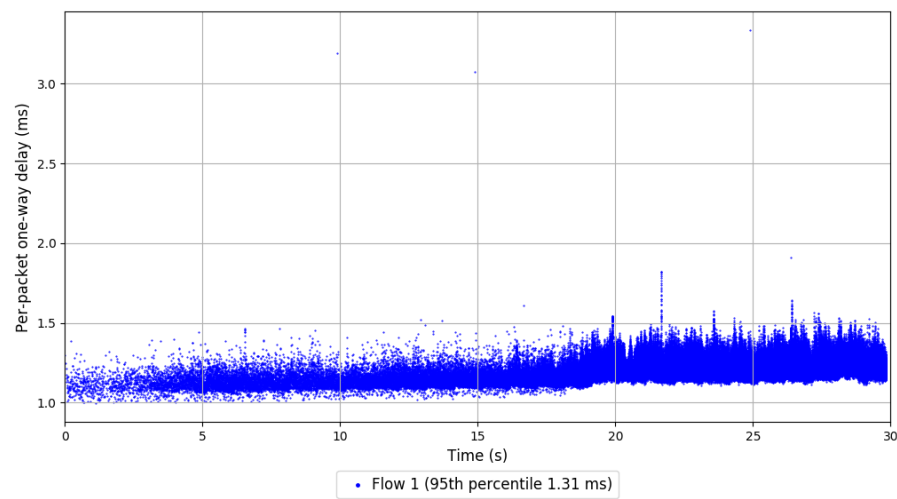
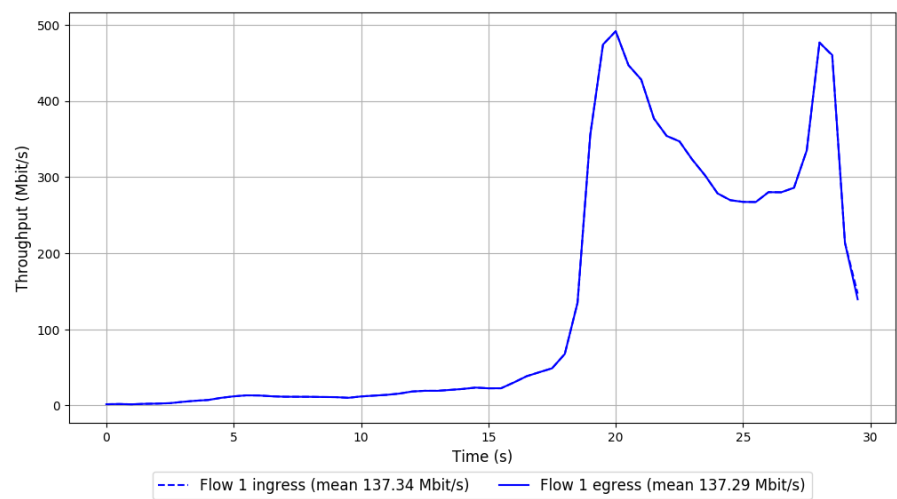


Run 4: Statistics of Vivace-latency

Start at: 2018-02-19 22:31:43
End at: 2018-02-19 22:32:13
Local clock offset: 3.856 ms
Remote clock offset: -3.644 ms

Below is generated by plot.py at 2018-02-20 07:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.29 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 137.29 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.10%

Run 4: Report of Vivace-latency — Data Link

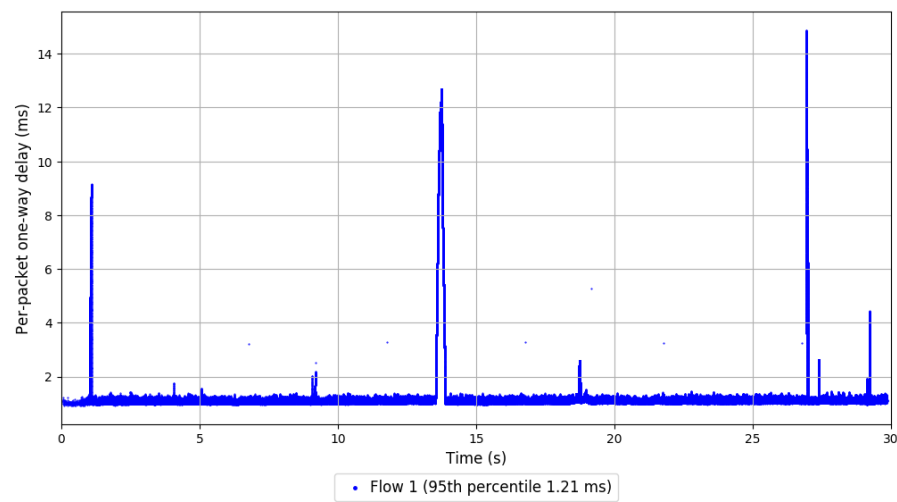
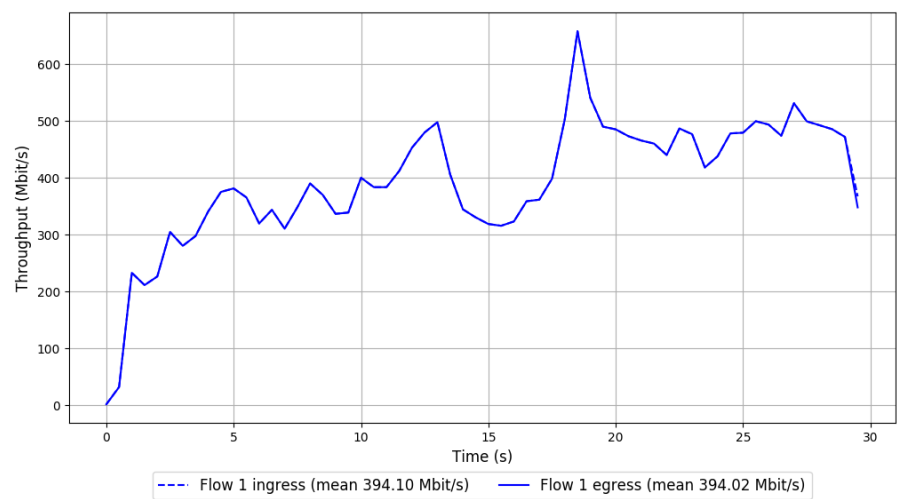


Run 5: Statistics of Vivace-latency

Start at: 2018-02-19 22:59:10
End at: 2018-02-19 22:59:40
Local clock offset: 2.782 ms
Remote clock offset: -2.616 ms

Below is generated by plot.py at 2018-02-20 07:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 394.02 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 394.02 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.09%

Run 5: Report of Vivace-latency — Data Link

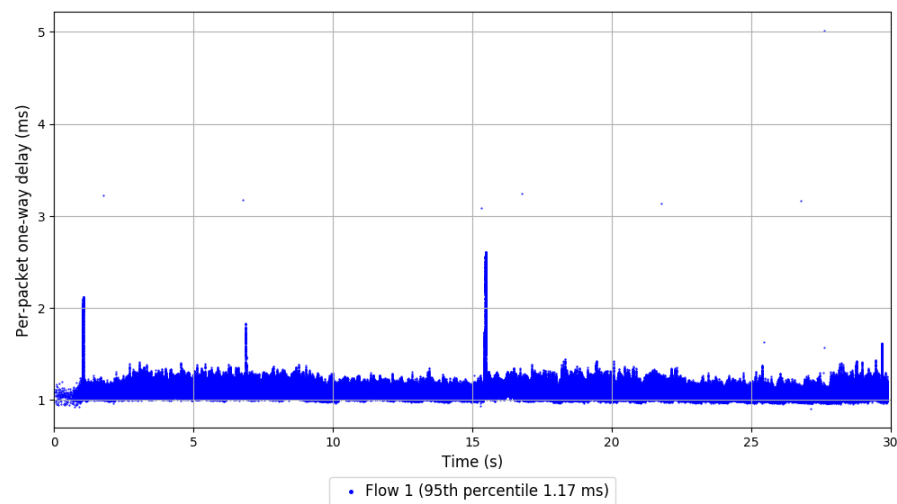
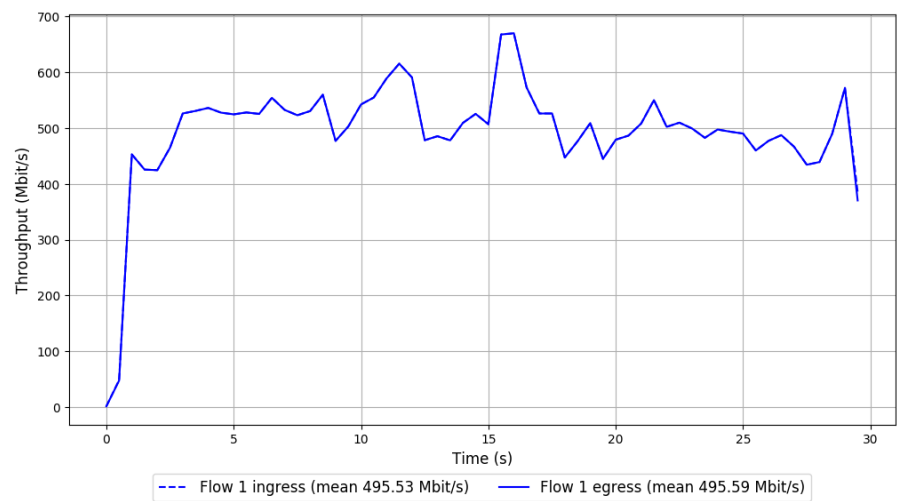


Run 6: Statistics of Vivace-latency

Start at: 2018-02-19 23:26:44
End at: 2018-02-19 23:27:14
Local clock offset: 2.971 ms
Remote clock offset: -3.876 ms

Below is generated by plot.py at 2018-02-20 07:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 495.59 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 495.59 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.05%

Run 6: Report of Vivace-latency — Data Link

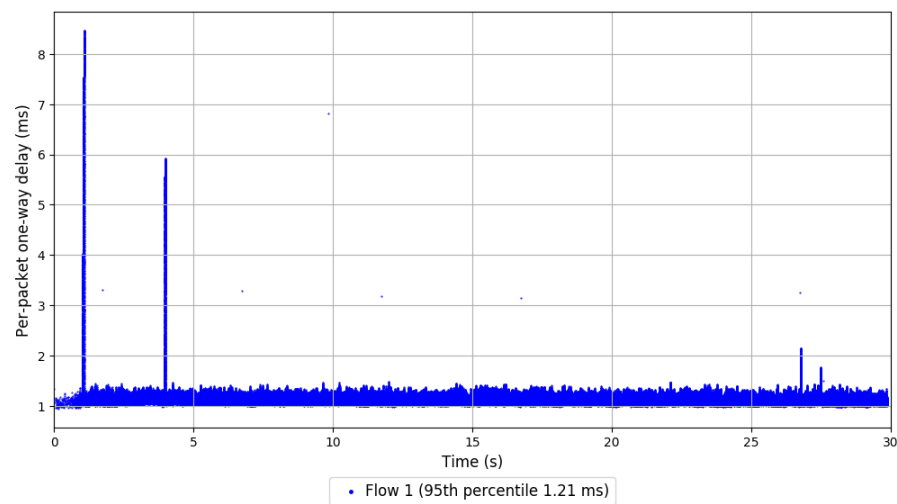
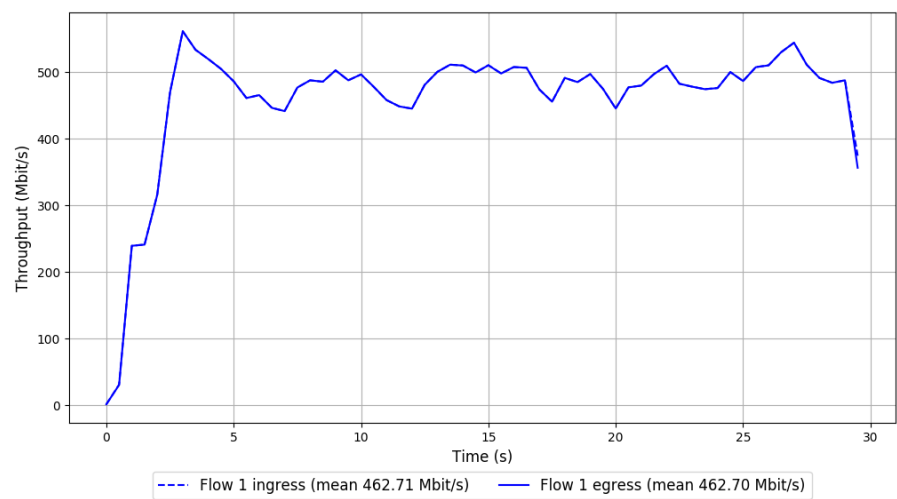


Run 7: Statistics of Vivace-latency

Start at: 2018-02-19 23:54:39
End at: 2018-02-19 23:55:09
Local clock offset: 2.753 ms
Remote clock offset: -5.048 ms

Below is generated by plot.py at 2018-02-20 07:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 462.70 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 462.70 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.07%

Run 7: Report of Vivace-latency — Data Link

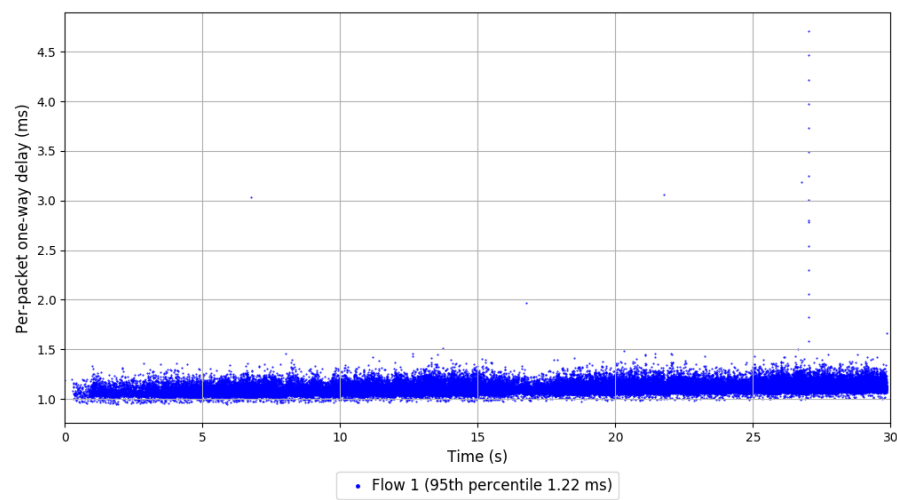
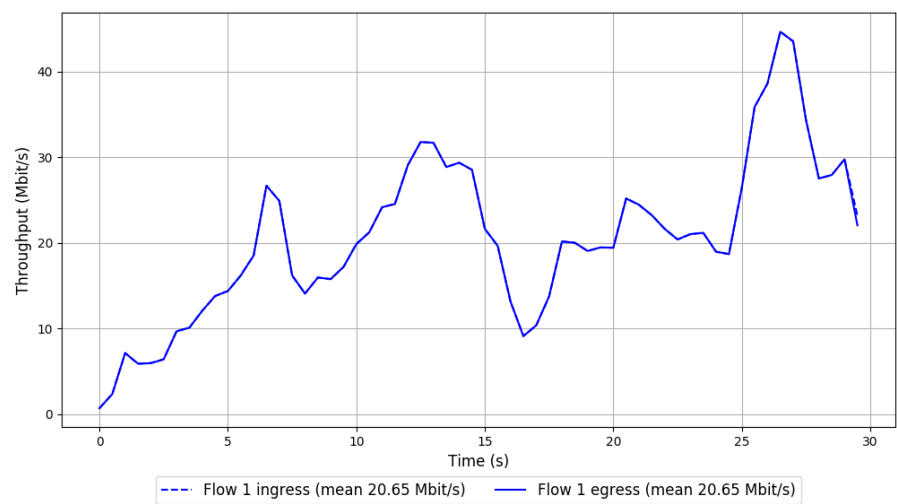


Run 8: Statistics of Vivace-latency

Start at: 2018-02-20 00:22:47
End at: 2018-02-20 00:23:17
Local clock offset: 2.395 ms
Remote clock offset: -5.951 ms

Below is generated by plot.py at 2018-02-20 07:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.65 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 20.65 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.10%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-20 00:49:23

End at: 2018-02-20 00:49:53

Local clock offset: 1.521 ms

Remote clock offset: -5.07 ms

Below is generated by plot.py at 2018-02-20 07:58:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.47 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.08%

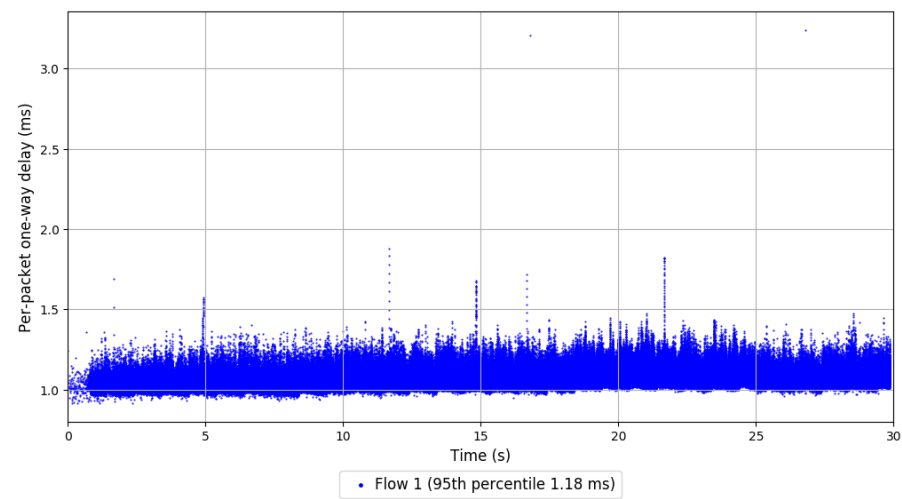
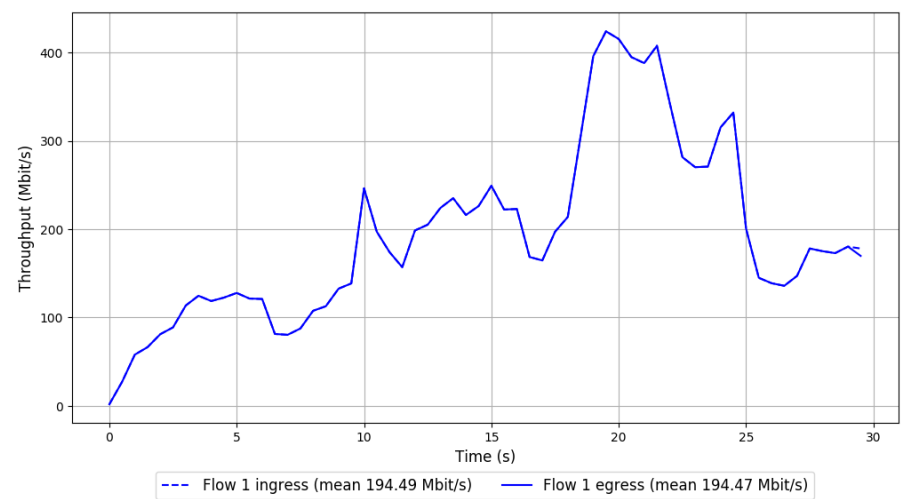
-- Flow 1:

Average throughput: 194.47 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.08%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-20 01:16:51

End at: 2018-02-20 01:17:21

Local clock offset: 0.777 ms

Remote clock offset: -4.39 ms

Below is generated by plot.py at 2018-02-20 07:58:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.53 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.08%

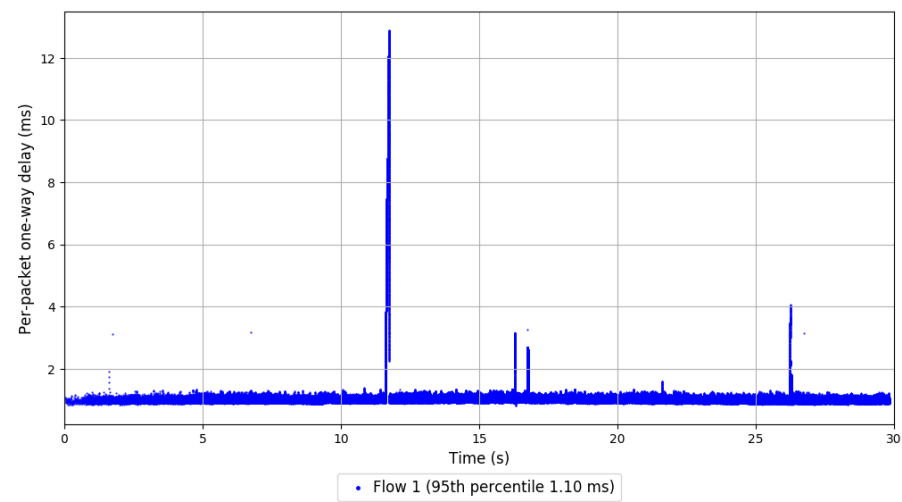
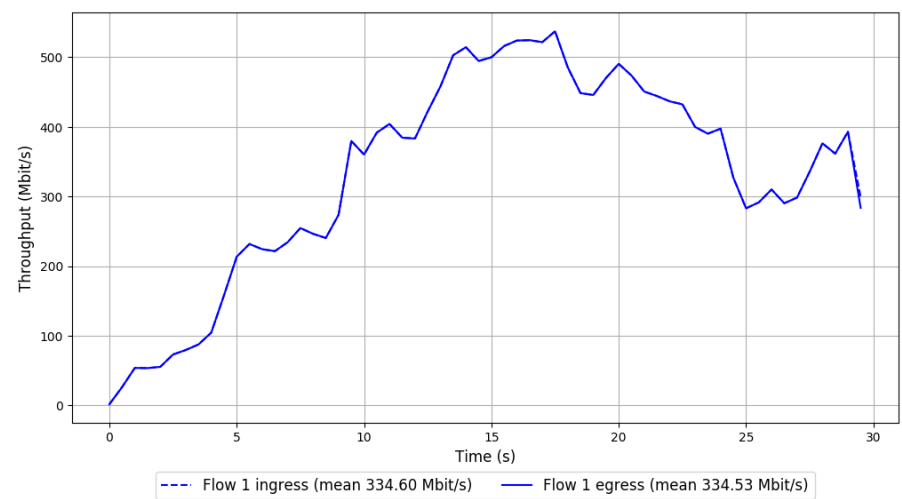
-- Flow 1:

Average throughput: 334.53 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.08%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-02-19 21:21:53

End at: 2018-02-19 21:22:23

Local clock offset: 1.726 ms

Remote clock offset: -5.659 ms

Below is generated by plot.py at 2018-02-20 08:01:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 577.92 Mbit/s

95th percentile per-packet one-way delay: 68.379 ms

Loss rate: 0.37%

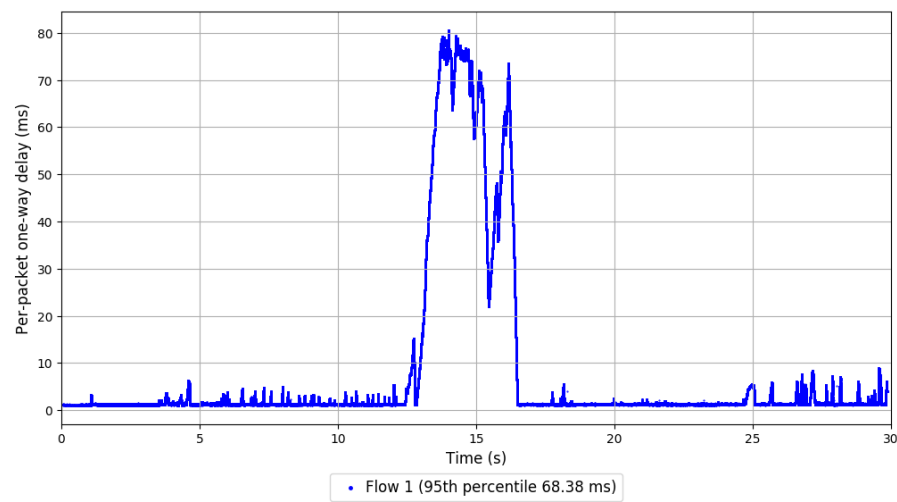
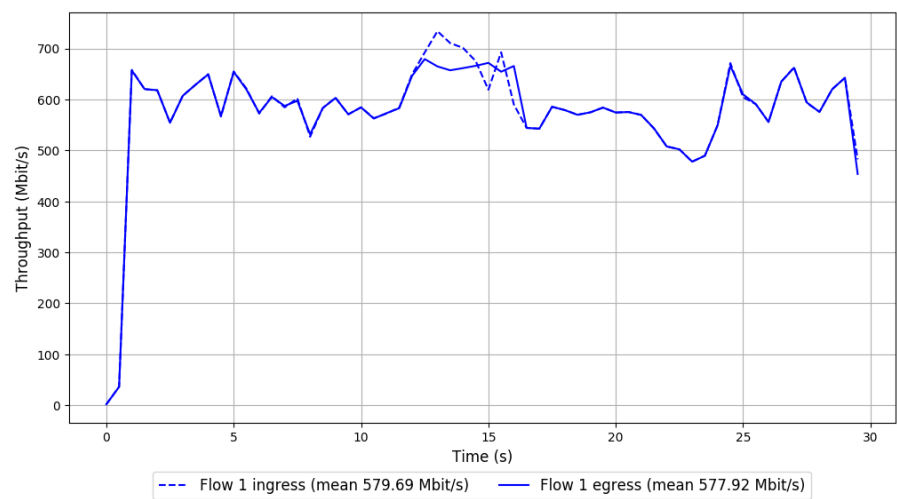
-- Flow 1:

Average throughput: 577.92 Mbit/s

95th percentile per-packet one-way delay: 68.379 ms

Loss rate: 0.37%

Run 1: Report of Vivace-loss — Data Link

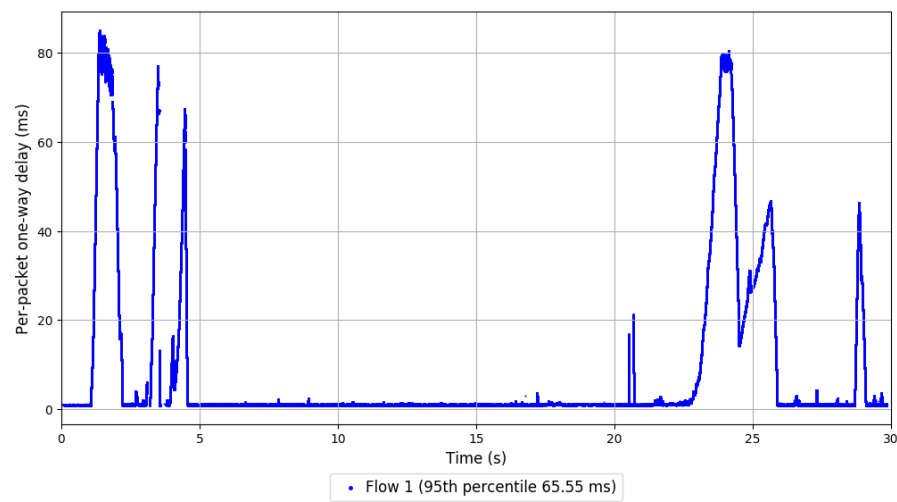
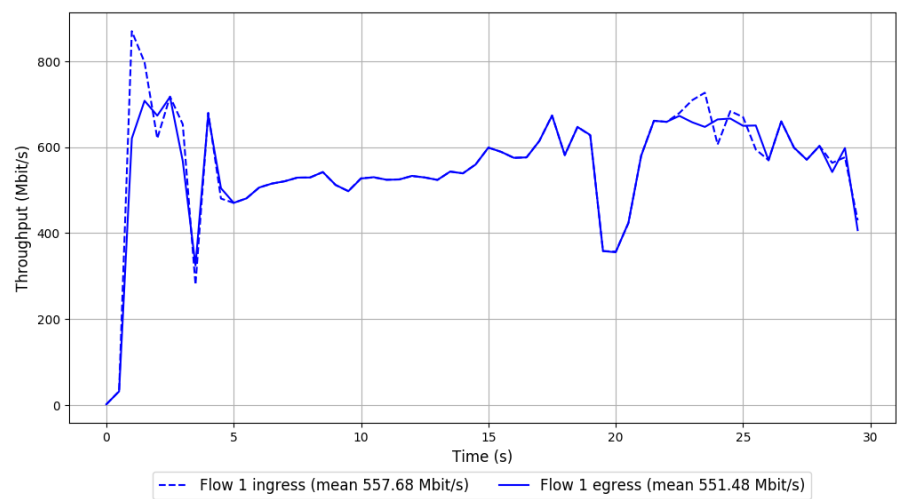


Run 2: Statistics of Vivace-loss

Start at: 2018-02-19 21:49:41
End at: 2018-02-19 21:50:11
Local clock offset: 0.875 ms
Remote clock offset: -6.653 ms

Below is generated by plot.py at 2018-02-20 08:02:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 551.48 Mbit/s
95th percentile per-packet one-way delay: 65.552 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 551.48 Mbit/s
95th percentile per-packet one-way delay: 65.552 ms
Loss rate: 1.18%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-19 22:17:13

End at: 2018-02-19 22:17:43

Local clock offset: 4.881 ms

Remote clock offset: -4.701 ms

Below is generated by plot.py at 2018-02-20 08:04:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 556.77 Mbit/s

95th percentile per-packet one-way delay: 1.449 ms

Loss rate: 0.06%

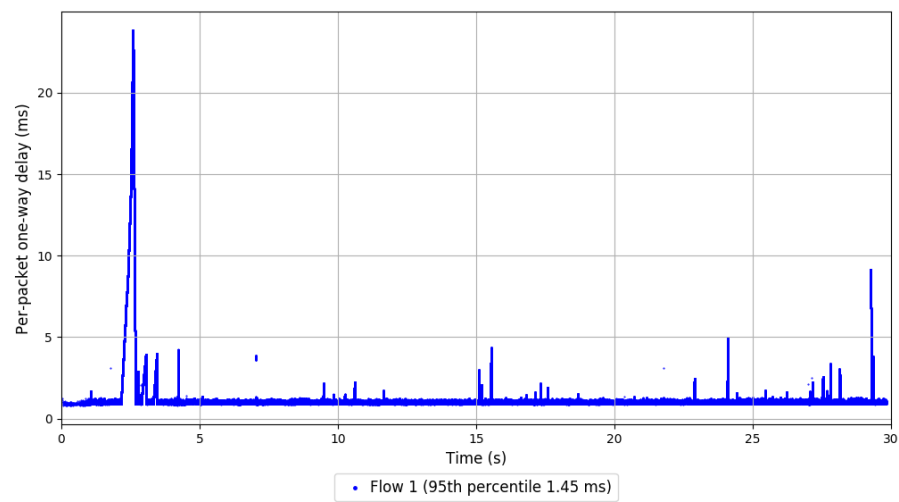
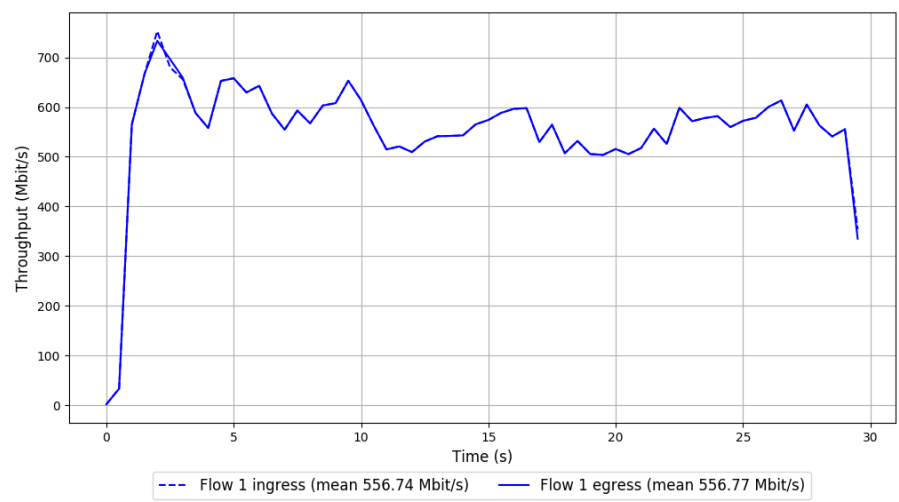
-- Flow 1:

Average throughput: 556.77 Mbit/s

95th percentile per-packet one-way delay: 1.449 ms

Loss rate: 0.06%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-19 22:44:33

End at: 2018-02-19 22:45:03

Local clock offset: 2.95 ms

Remote clock offset: -3.137 ms

Below is generated by plot.py at 2018-02-20 08:05:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 589.67 Mbit/s

95th percentile per-packet one-way delay: 59.563 ms

Loss rate: 0.49%

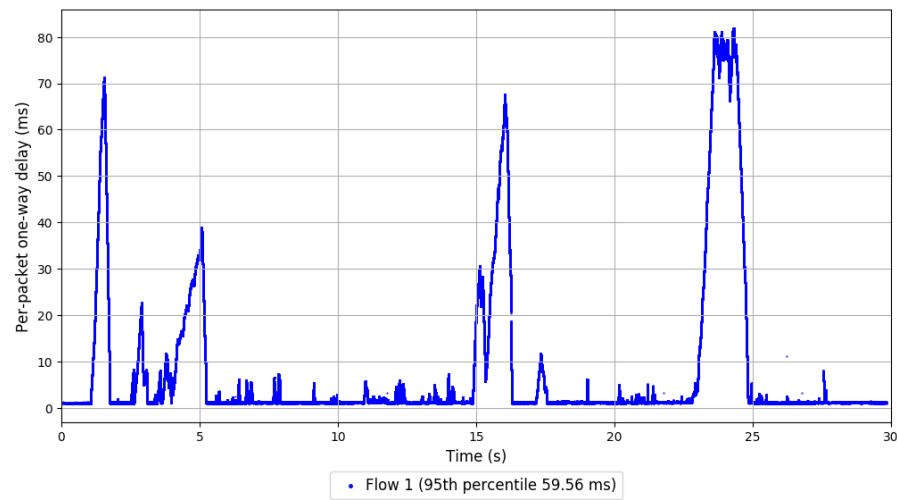
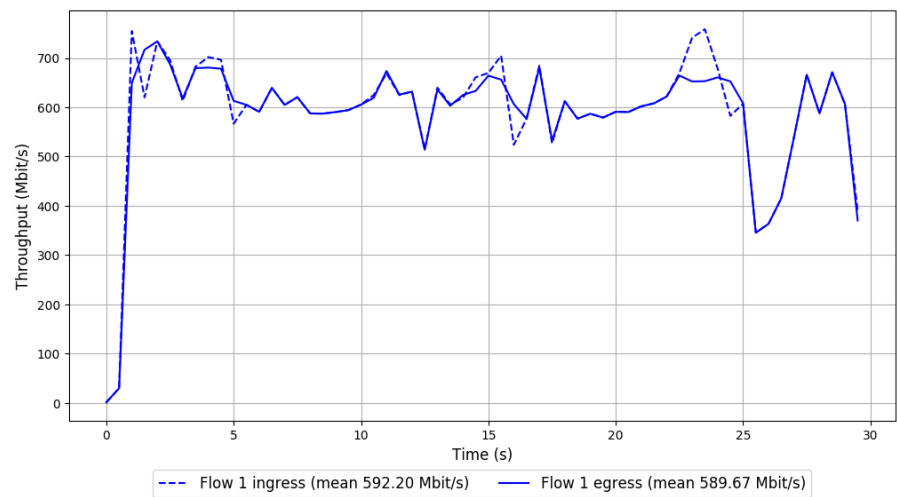
-- Flow 1:

Average throughput: 589.67 Mbit/s

95th percentile per-packet one-way delay: 59.563 ms

Loss rate: 0.49%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-19 23:12:08

End at: 2018-02-19 23:12:38

Local clock offset: 2.895 ms

Remote clock offset: -2.272 ms

Below is generated by plot.py at 2018-02-20 08:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 507.73 Mbit/s

95th percentile per-packet one-way delay: 1.992 ms

Loss rate: 0.07%

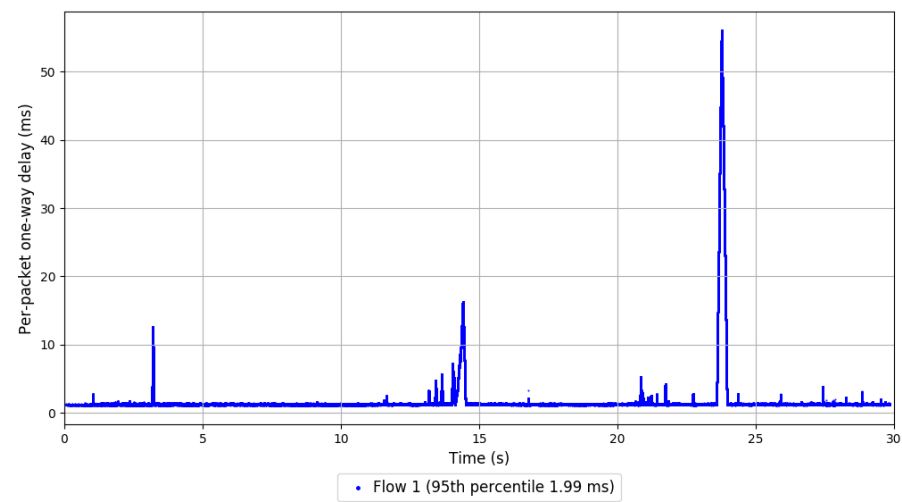
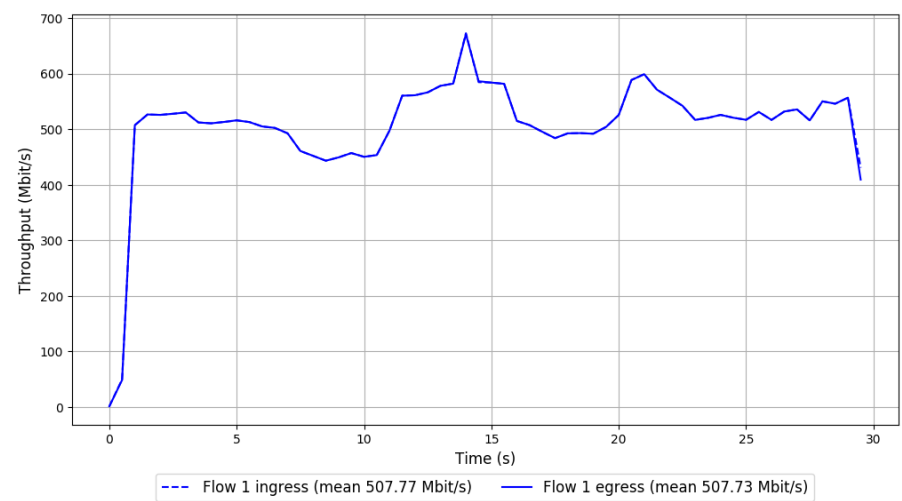
-- Flow 1:

Average throughput: 507.73 Mbit/s

95th percentile per-packet one-way delay: 1.992 ms

Loss rate: 0.07%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-19 23:40:00

End at: 2018-02-19 23:40:30

Local clock offset: 2.877 ms

Remote clock offset: -4.373 ms

Below is generated by plot.py at 2018-02-20 08:06:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 558.07 Mbit/s

95th percentile per-packet one-way delay: 4.668 ms

Loss rate: 0.10%

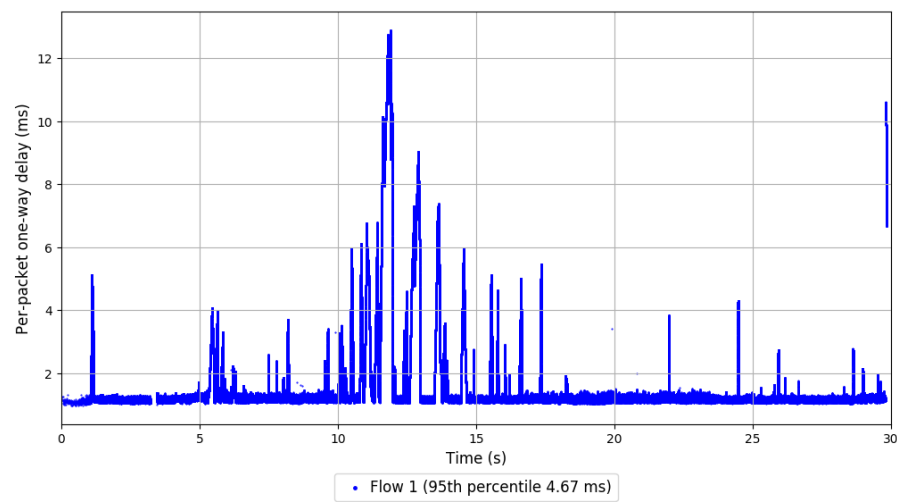
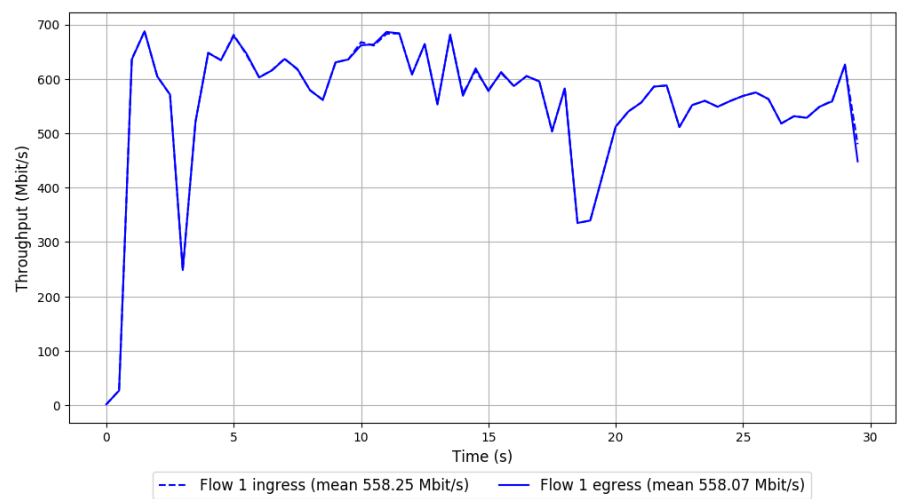
-- Flow 1:

Average throughput: 558.07 Mbit/s

95th percentile per-packet one-way delay: 4.668 ms

Loss rate: 0.10%

Run 6: Report of Vivace-loss — Data Link

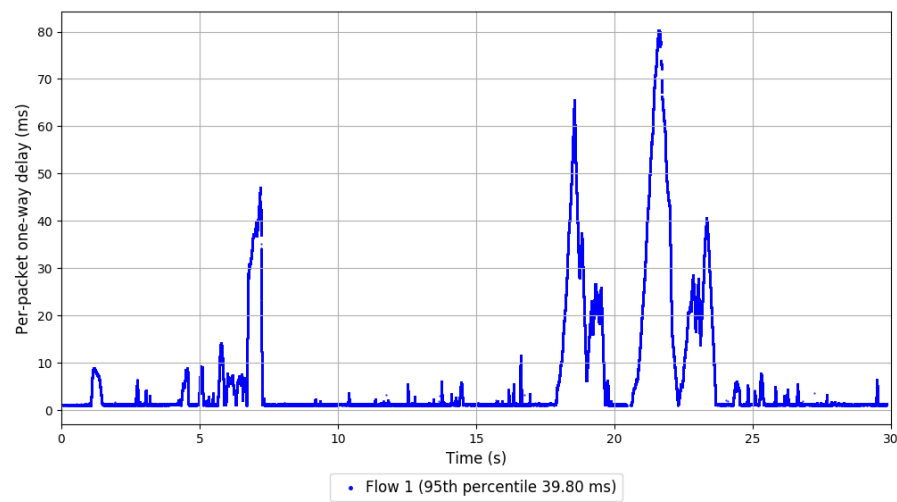
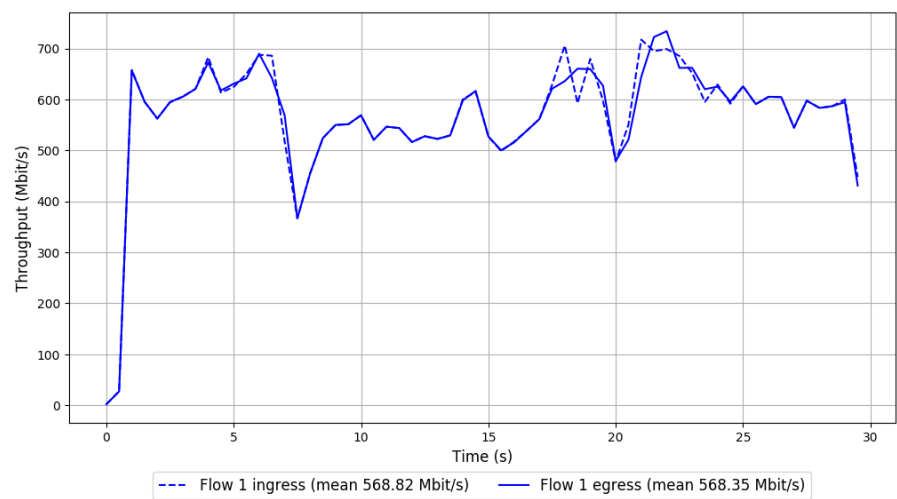


Run 7: Statistics of Vivace-loss

Start at: 2018-02-20 00:08:01
End at: 2018-02-20 00:08:31
Local clock offset: 2.751 ms
Remote clock offset: -5.639 ms

Below is generated by plot.py at 2018-02-20 08:06:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 568.35 Mbit/s
95th percentile per-packet one-way delay: 39.795 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 568.35 Mbit/s
95th percentile per-packet one-way delay: 39.795 ms
Loss rate: 0.15%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-20 00:35:20

End at: 2018-02-20 00:35:51

Local clock offset: 2.228 ms

Remote clock offset: -5.242 ms

Below is generated by plot.py at 2018-02-20 08:06:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.05 Mbit/s

95th percentile per-packet one-way delay: 3.070 ms

Loss rate: 0.68%

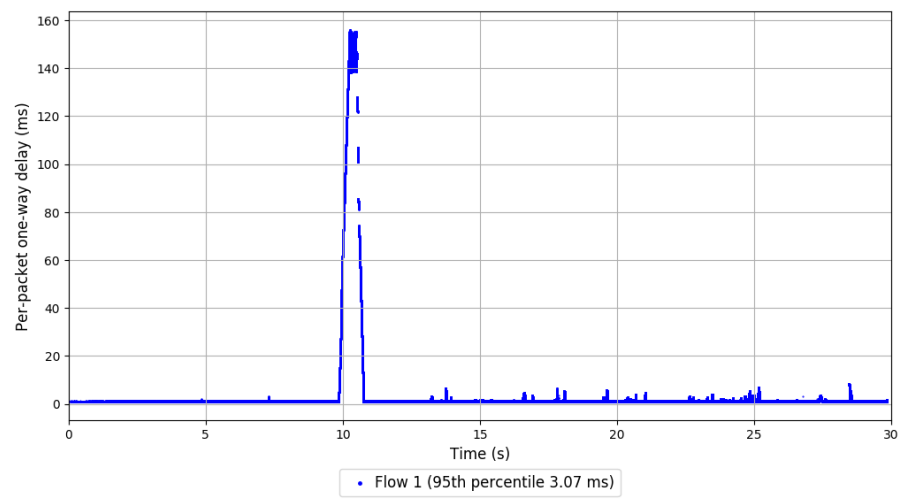
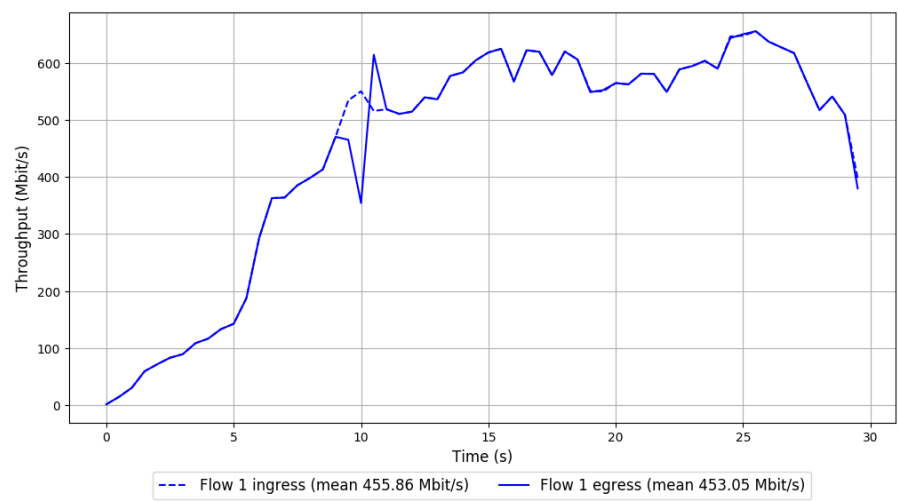
-- Flow 1:

Average throughput: 453.05 Mbit/s

95th percentile per-packet one-way delay: 3.070 ms

Loss rate: 0.68%

Run 8: Report of Vivace-loss — Data Link

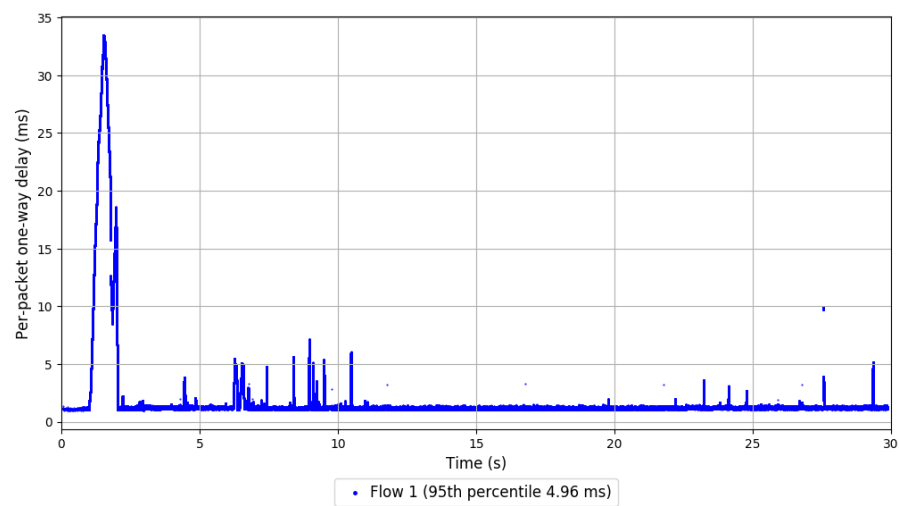
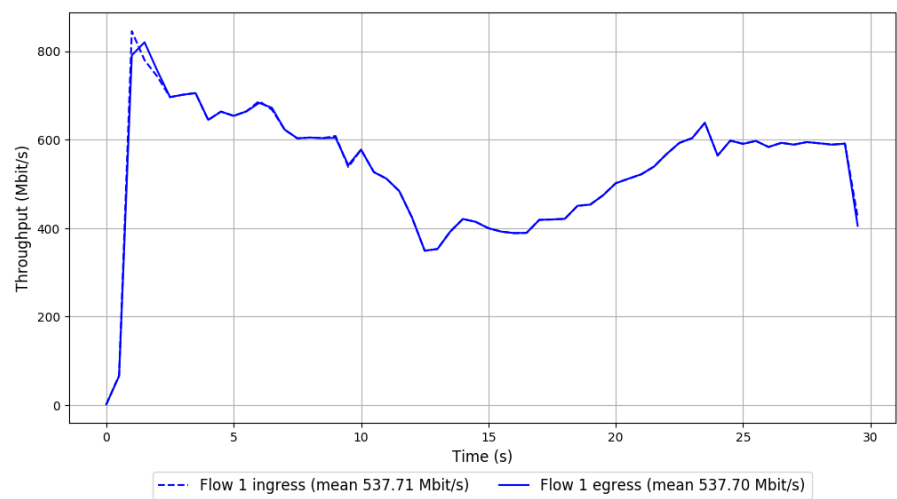


Run 9: Statistics of Vivace-loss

Start at: 2018-02-20 01:02:27
End at: 2018-02-20 01:02:58
Local clock offset: 0.941 ms
Remote clock offset: -4.826 ms

Below is generated by plot.py at 2018-02-20 08:09:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 537.70 Mbit/s
95th percentile per-packet one-way delay: 4.964 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 537.70 Mbit/s
95th percentile per-packet one-way delay: 4.964 ms
Loss rate: 0.06%

Run 9: Report of Vivace-loss — Data Link

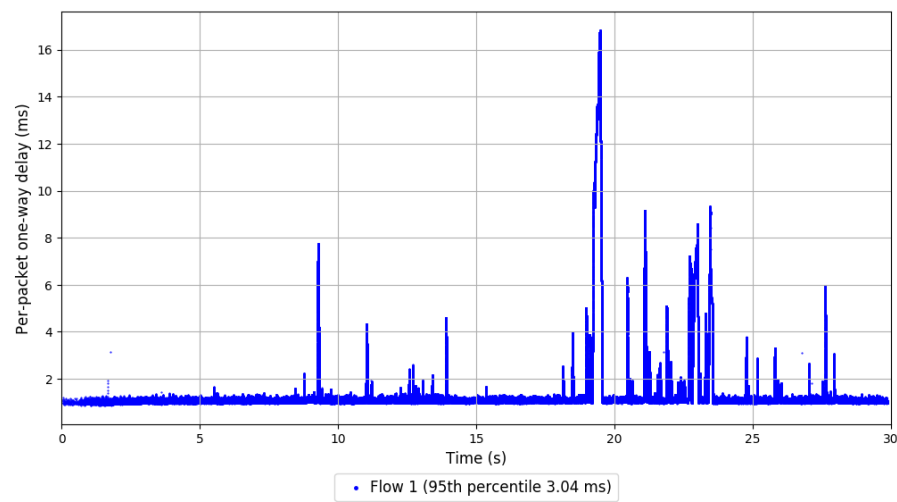
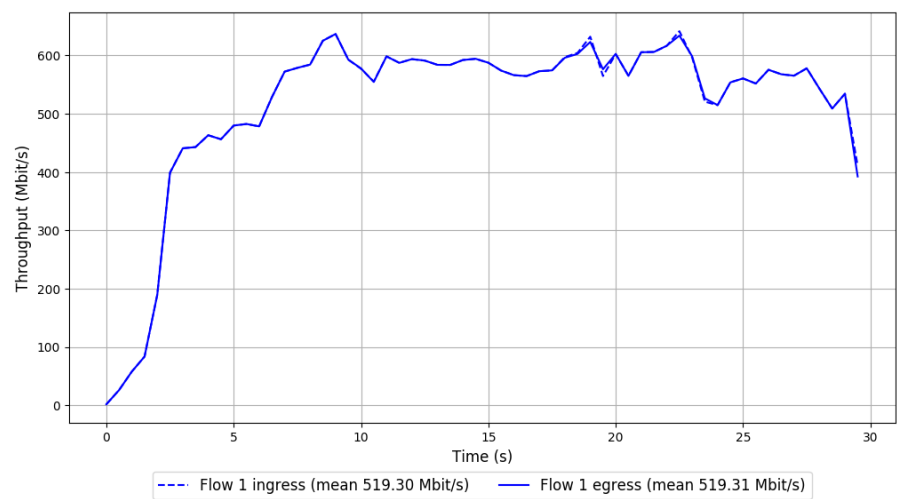


Run 10: Statistics of Vivace-loss

Start at: 2018-02-20 01:30:06
End at: 2018-02-20 01:30:36
Local clock offset: 1.484 ms
Remote clock offset: -4.297 ms

Below is generated by plot.py at 2018-02-20 08:10:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 519.31 Mbit/s
95th percentile per-packet one-way delay: 3.044 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 519.31 Mbit/s
95th percentile per-packet one-way delay: 3.044 ms
Loss rate: 0.06%

Run 10: Report of Vivace-loss — Data Link

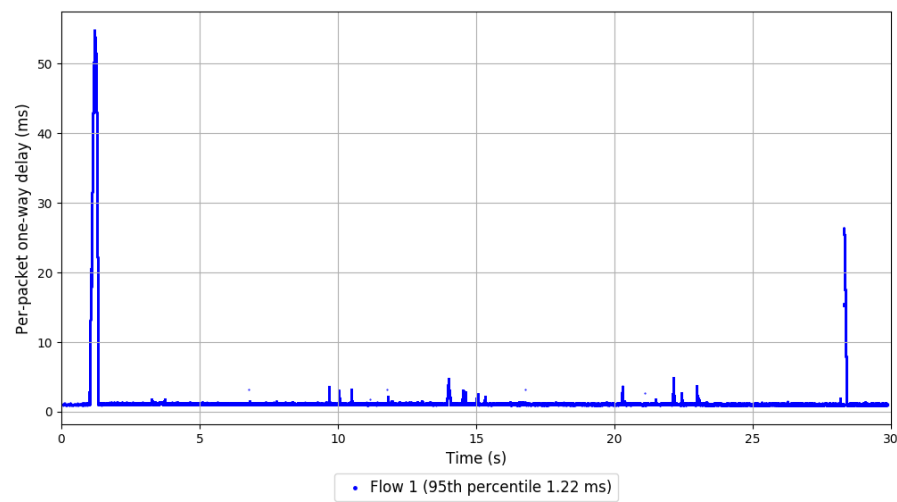
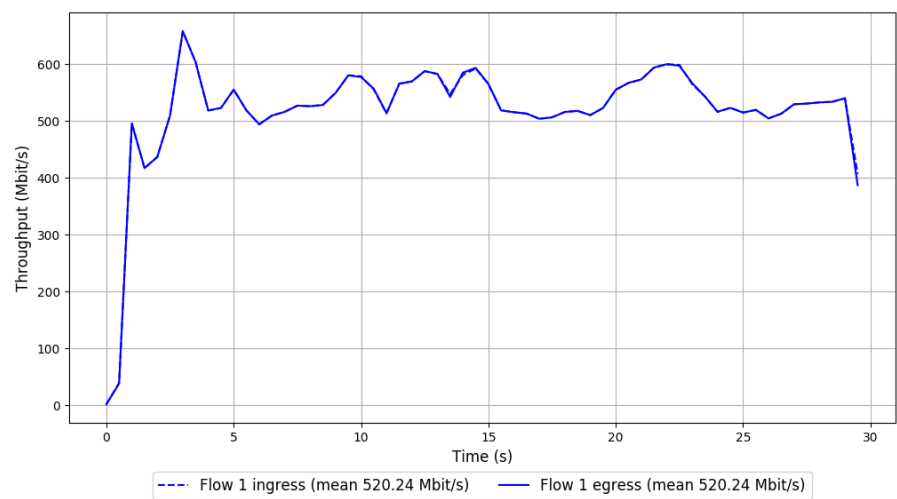


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-19 21:32:00
End at: 2018-02-19 21:32:30
Local clock offset: 1.331 ms
Remote clock offset: -5.253 ms

Below is generated by plot.py at 2018-02-20 08:11:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 520.24 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 520.24 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.07%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-19 21:59:43

End at: 2018-02-19 22:00:13

Local clock offset: 3.204 ms

Remote clock offset: -6.729 ms

Below is generated by plot.py at 2018-02-20 08:12:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.81 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.43%

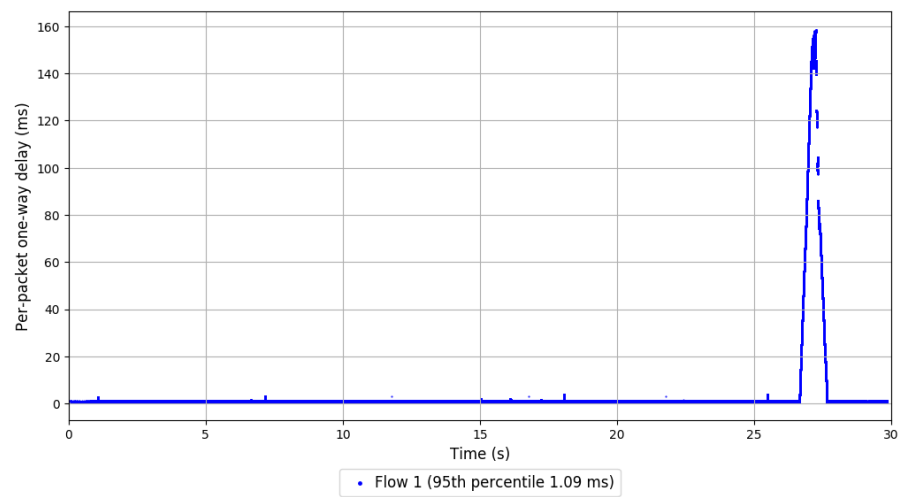
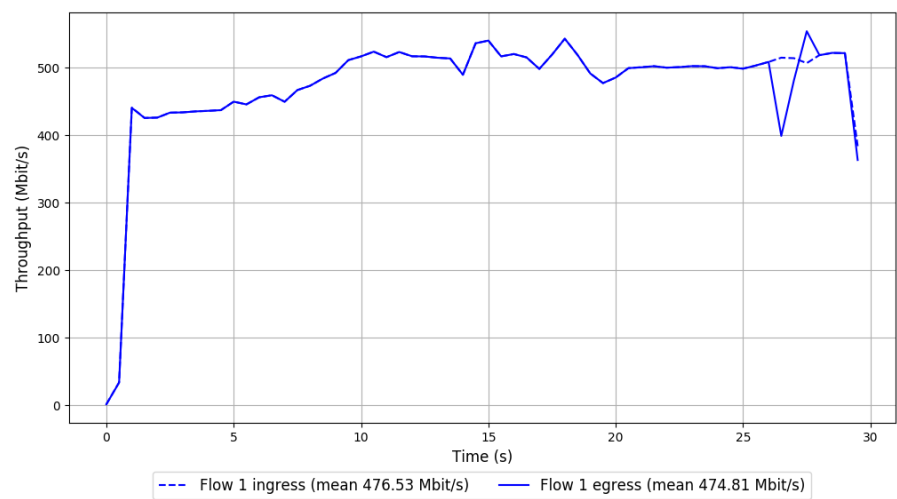
-- Flow 1:

Average throughput: 474.81 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.43%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-19 22:27:18

End at: 2018-02-19 22:27:48

Local clock offset: 4.731 ms

Remote clock offset: -3.943 ms

Below is generated by plot.py at 2018-02-20 08:12:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 406.19 Mbit/s

95th percentile per-packet one-way delay: 1.457 ms

Loss rate: 0.06%

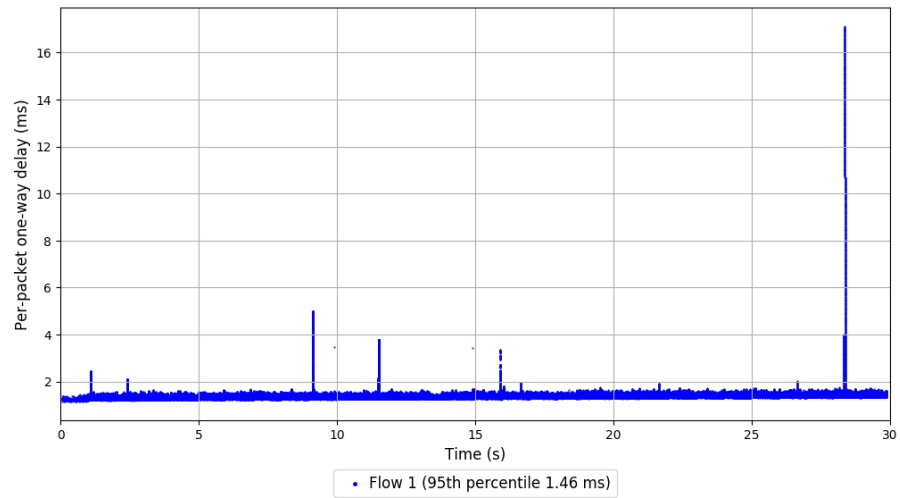
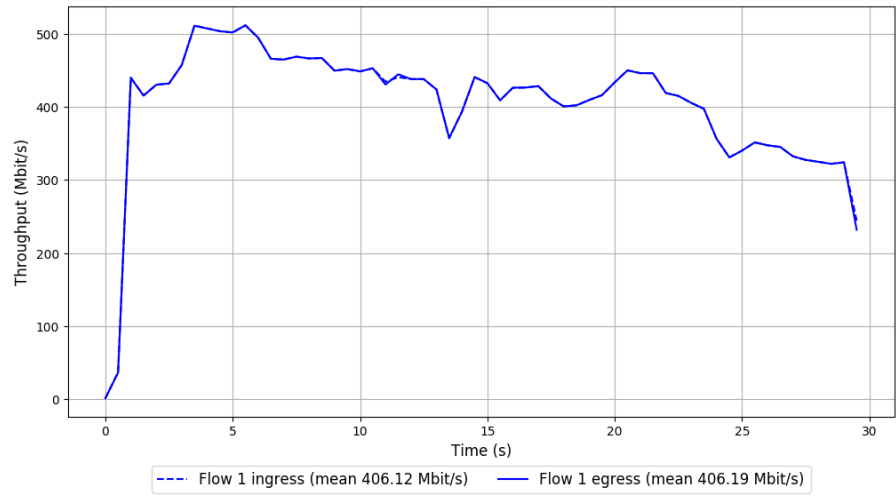
-- Flow 1:

Average throughput: 406.19 Mbit/s

95th percentile per-packet one-way delay: 1.457 ms

Loss rate: 0.06%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-19 22:54:41

End at: 2018-02-19 22:55:11

Local clock offset: 2.679 ms

Remote clock offset: -2.85 ms

Below is generated by plot.py at 2018-02-20 08:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.76 Mbit/s

95th percentile per-packet one-way delay: 2.193 ms

Loss rate: 0.19%

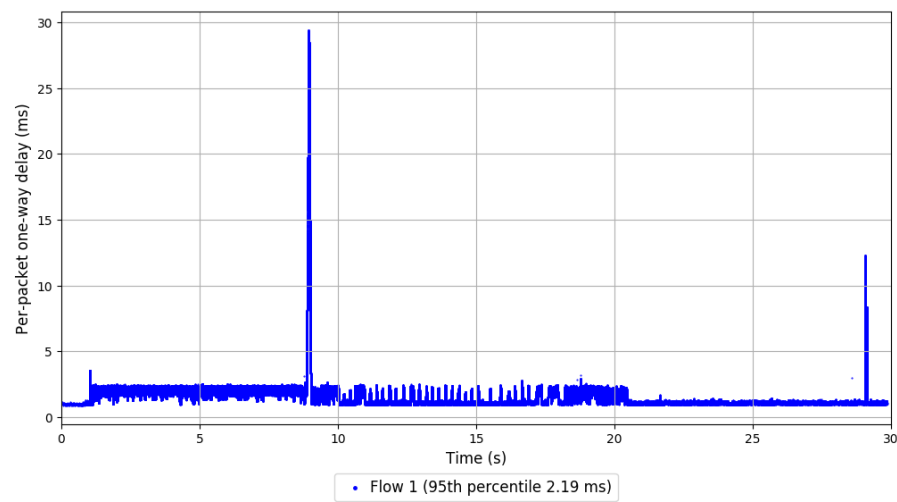
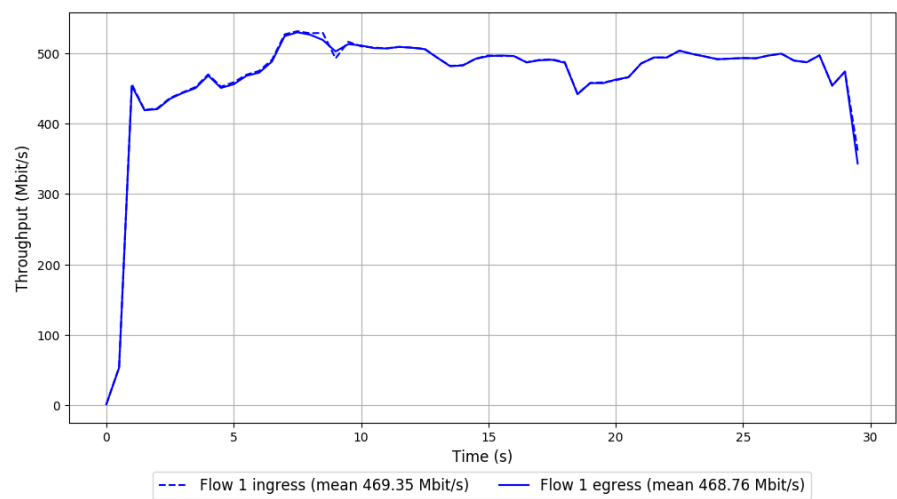
-- Flow 1:

Average throughput: 468.76 Mbit/s

95th percentile per-packet one-way delay: 2.193 ms

Loss rate: 0.19%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-19 23:22:10

End at: 2018-02-19 23:22:40

Local clock offset: 2.929 ms

Remote clock offset: -3.51 ms

Below is generated by plot.py at 2018-02-20 08:13:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.28 Mbit/s

95th percentile per-packet one-way delay: 1.323 ms

Loss rate: 0.07%

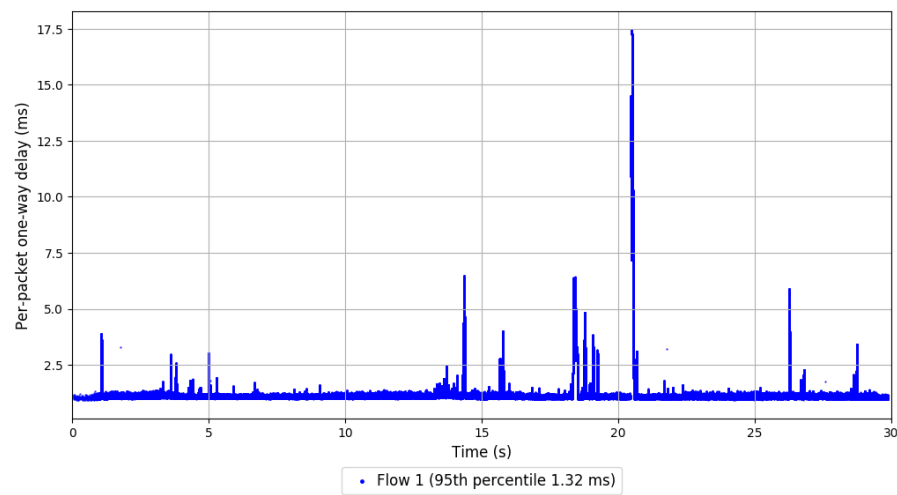
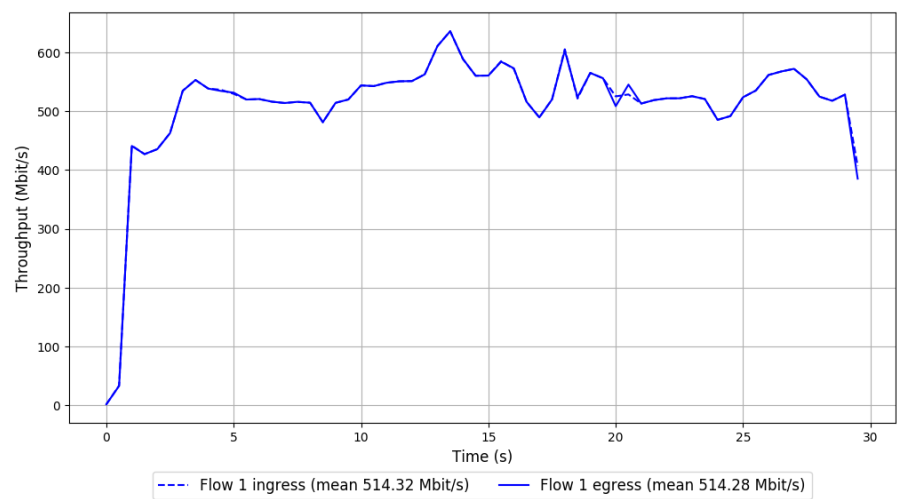
-- Flow 1:

Average throughput: 514.28 Mbit/s

95th percentile per-packet one-way delay: 1.323 ms

Loss rate: 0.07%

Run 5: Report of Vivace-LTE — Data Link

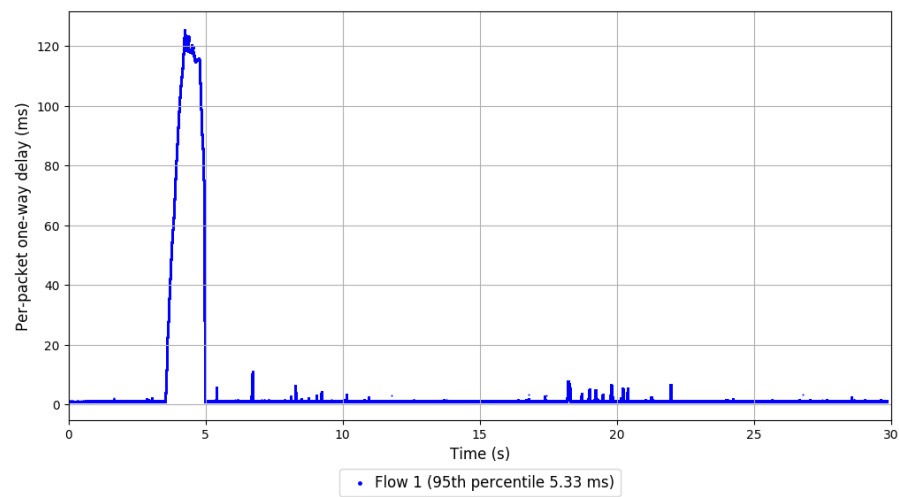
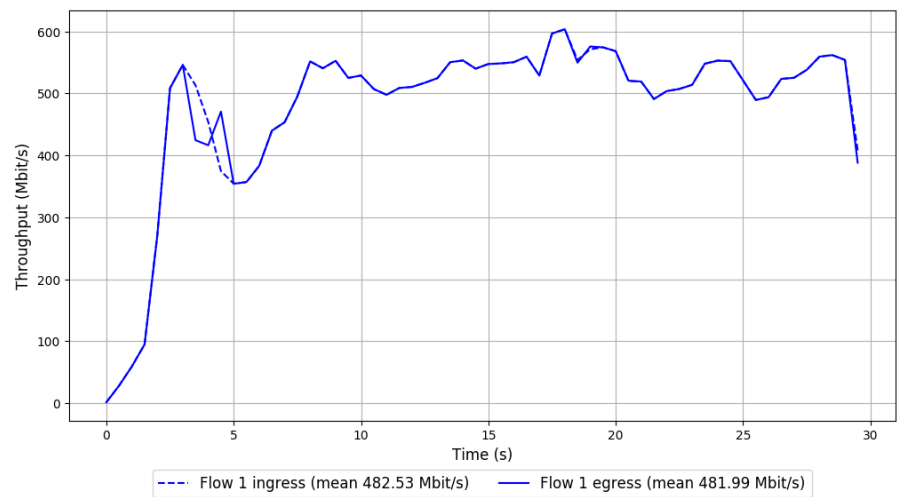


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-19 23:50:08
End at: 2018-02-19 23:50:38
Local clock offset: 2.792 ms
Remote clock offset: -4.646 ms

Below is generated by plot.py at 2018-02-20 08:13:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 481.99 Mbit/s
95th percentile per-packet one-way delay: 5.326 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 481.99 Mbit/s
95th percentile per-packet one-way delay: 5.326 ms
Loss rate: 0.18%

Run 6: Report of Vivace-LTE — Data Link

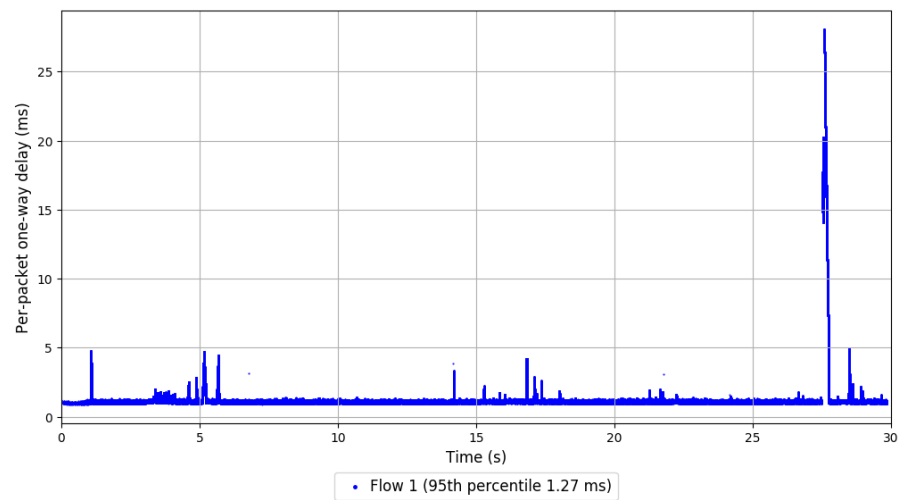
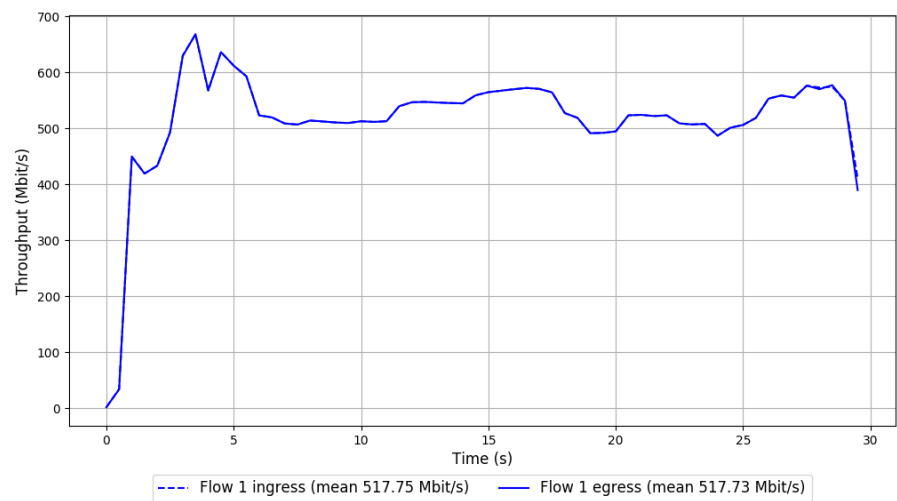


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-20 00:18:14
End at: 2018-02-20 00:18:44
Local clock offset: 2.37 ms
Remote clock offset: -5.931 ms

Below is generated by plot.py at 2018-02-20 08:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 517.73 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 517.73 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.07%

Run 7: Report of Vivace-LTE — Data Link

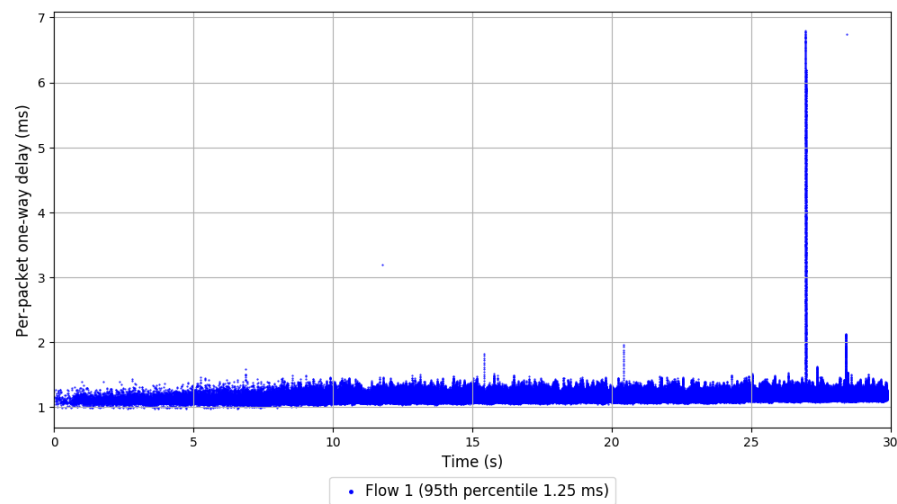
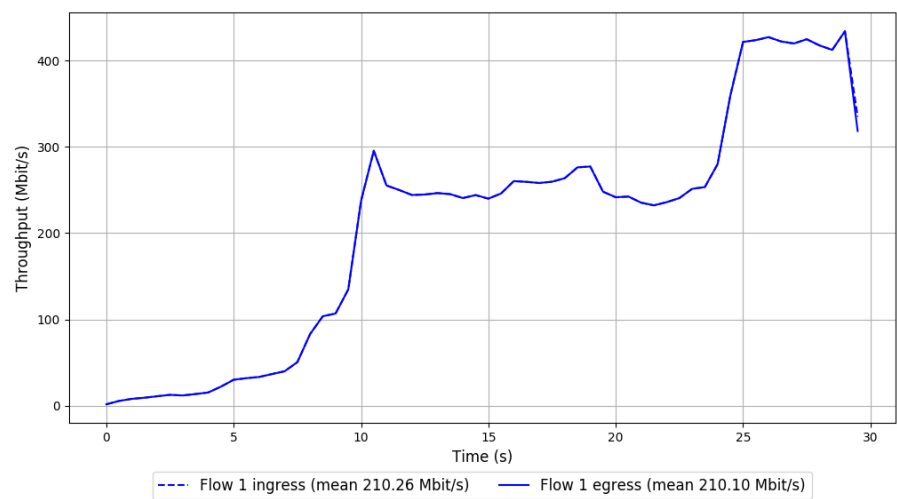


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-20 00:45:09
End at: 2018-02-20 00:45:39
Local clock offset: 1.828 ms
Remote clock offset: -5.143 ms

Below is generated by plot.py at 2018-02-20 08:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.10 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 210.10 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.14%

Run 8: Report of Vivace-LTE — Data Link

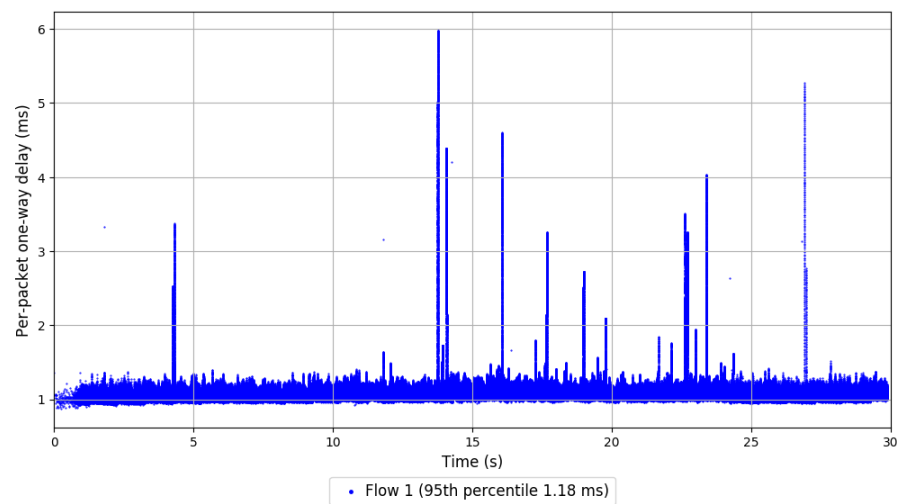
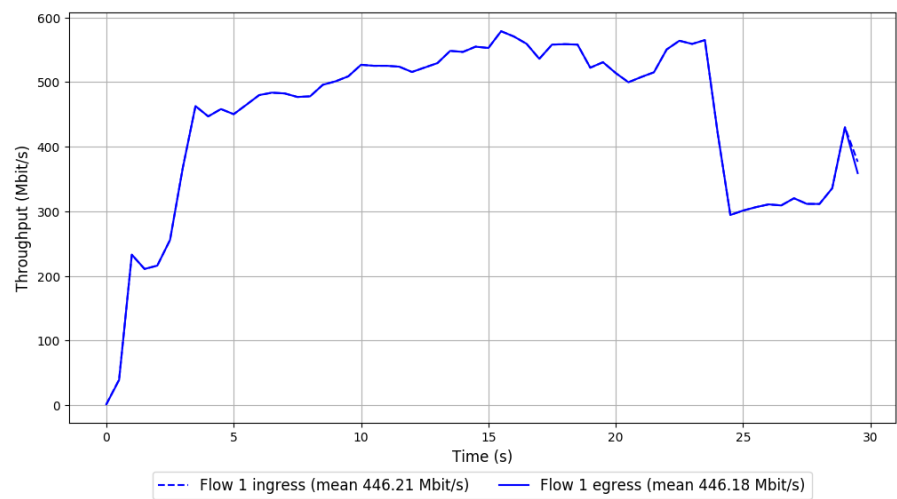


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-20 01:12:23
End at: 2018-02-20 01:12:53
Local clock offset: 0.682 ms
Remote clock offset: -4.443 ms

Below is generated by plot.py at 2018-02-20 08:14:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 446.18 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 446.18 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.07%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-20 01:40:02

End at: 2018-02-20 01:40:32

Local clock offset: 1.588 ms

Remote clock offset: -4.095 ms

Below is generated by plot.py at 2018-02-20 08:14:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 457.25 Mbit/s

95th percentile per-packet one-way delay: 44.108 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 457.25 Mbit/s

95th percentile per-packet one-way delay: 44.108 ms

Loss rate: 0.13%

Run 10: Report of Vivace-LTE — Data Link

