

Pantheon Report

Generated at 2018-01-16 20:51:04 (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).

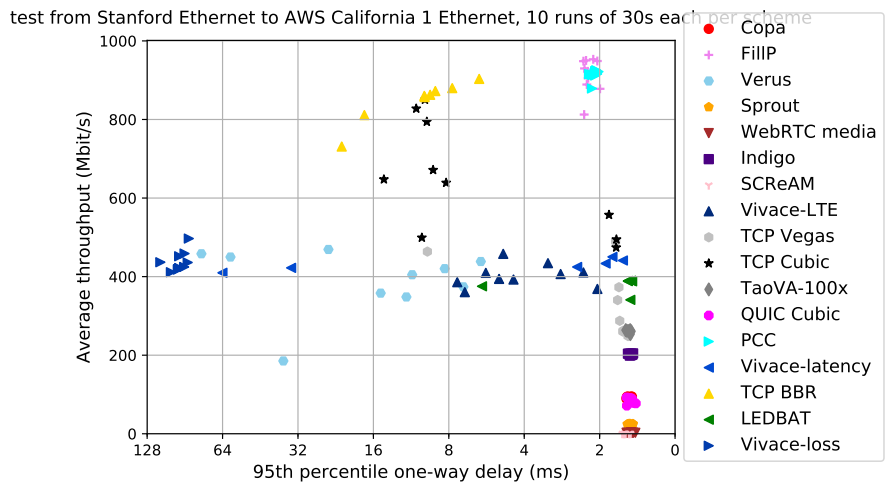
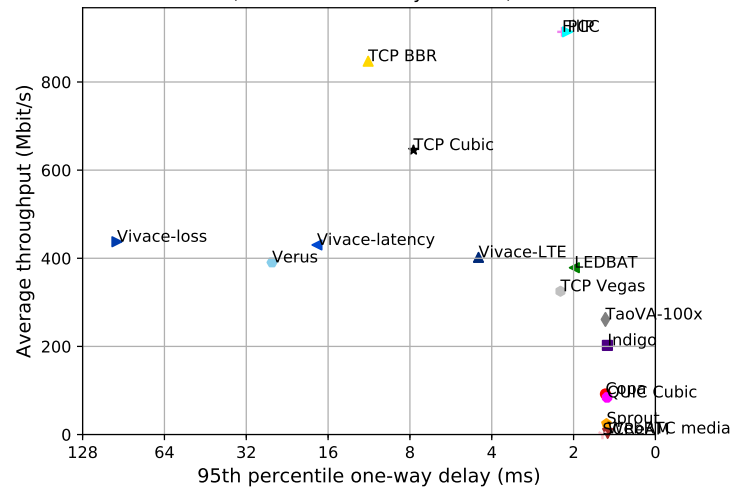
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

Git summary:

```
branch: master @ af8abdfba95588b0c5f2aeca9e856a1656b0c598
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



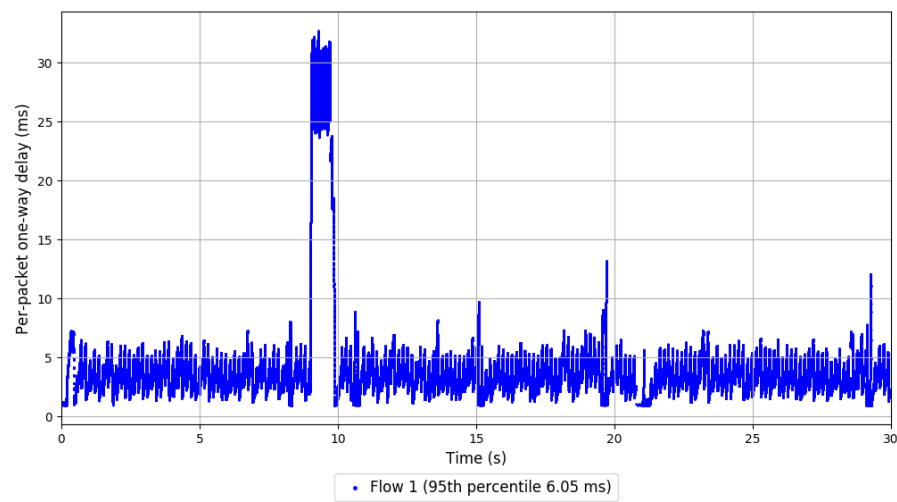
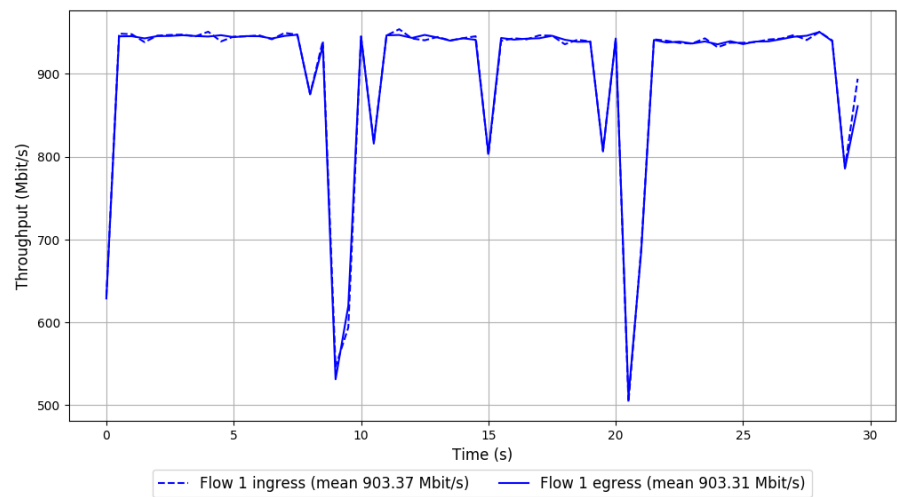
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	8	847.25	11.39	0.09
TCP Cubic	10	645.55	7.76	0.06
LEDBAT	6	378.59	1.98	0.07
PCC	10	913.78	2.10	0.14
QUIC Cubic	10	84.22	1.18	0.07
SCReAM	10	0.22	1.29	0.13
WebRTC media	10	2.46	1.17	0.09
Sprout	10	24.89	1.20	0.12
TaoVA-100x	8	261.21	1.22	0.07
TCP Vegas	10	325.12	2.24	0.07
Verus	10	390.63	25.73	0.29
Copa	9	92.03	1.22	0.06
FillP	10	913.76	2.21	0.07
Indigo	10	202.29	1.17	0.07
Vivace-latency	6	430.23	17.59	0.13
Vivace-loss	10	437.50	95.69	4.69
Vivace-LTE	10	402.11	4.48	0.07

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 10:08:21
End at: 2018-01-16 10:08:51
Local clock offset: -5.018 ms
Remote clock offset: -2.907 ms

Below is generated by plot.py at 2018-01-16 18:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 903.31 Mbit/s
95th percentile per-packet one-way delay: 6.051 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 903.31 Mbit/s
95th percentile per-packet one-way delay: 6.051 ms
Loss rate: 0.07%

Run 1: Report of TCP BBR — Data Link

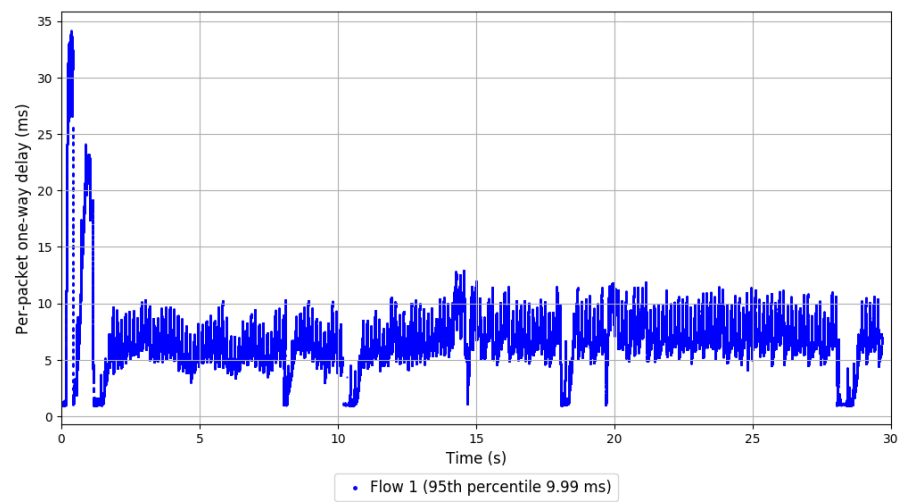
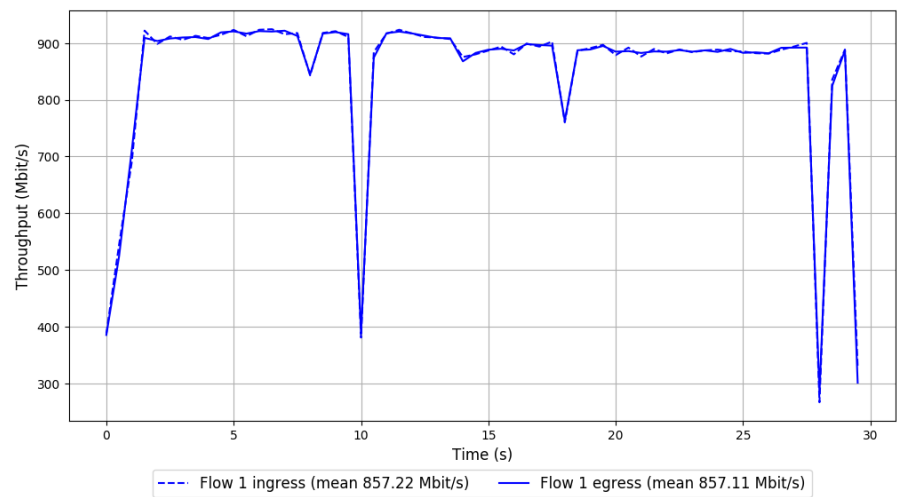


Run 2: Statistics of TCP BBR

Start at: 2018-01-16 10:34:07
End at: 2018-01-16 10:34:37
Local clock offset: -5.026 ms
Remote clock offset: -2.379 ms

Below is generated by plot.py at 2018-01-16 18:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 857.11 Mbit/s
95th percentile per-packet one-way delay: 9.989 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 857.11 Mbit/s
95th percentile per-packet one-way delay: 9.989 ms
Loss rate: 0.08%

Run 2: Report of TCP BBR — Data Link

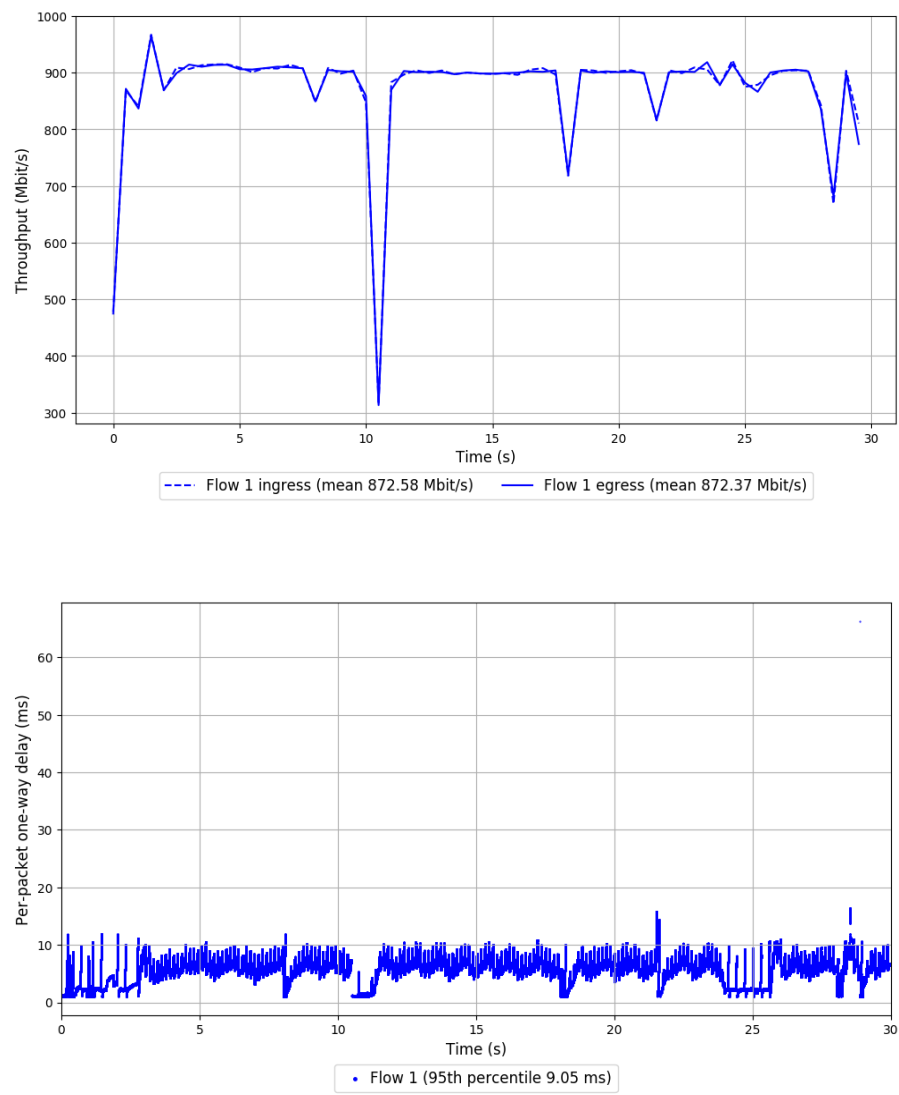


Run 3: Statistics of TCP BBR

Start at: 2018-01-16 11:00:02
End at: 2018-01-16 11:00:32
Local clock offset: -5.084 ms
Remote clock offset: -1.685 ms

Below is generated by plot.py at 2018-01-16 18:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 872.37 Mbit/s
95th percentile per-packet one-way delay: 9.055 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 872.37 Mbit/s
95th percentile per-packet one-way delay: 9.055 ms
Loss rate: 0.09%

Run 3: Report of TCP BBR — Data Link

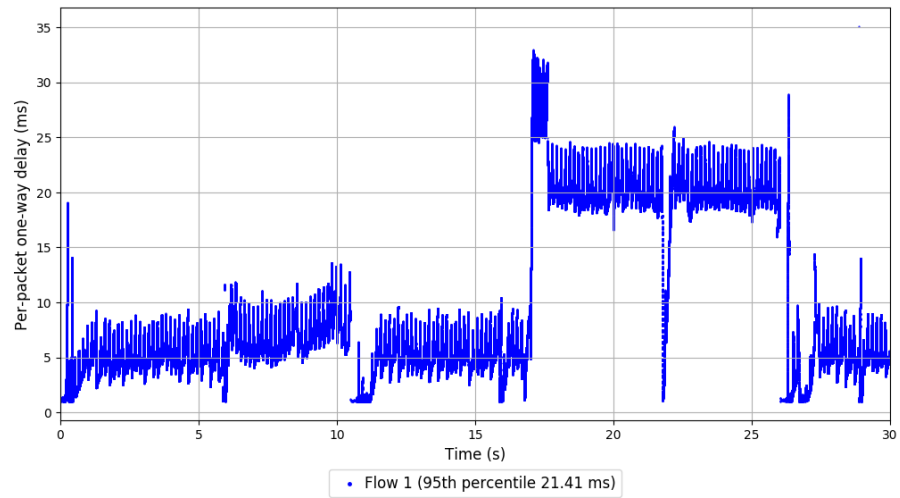
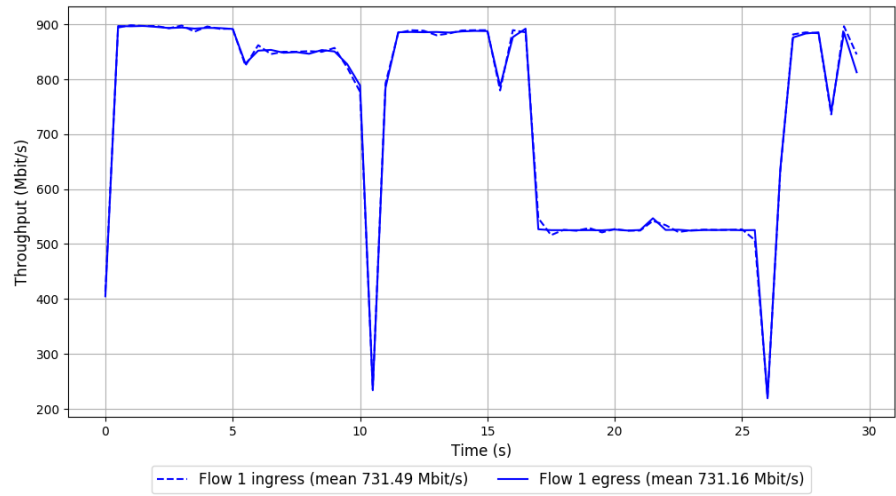


Run 4: Statistics of TCP BBR

Start at: 2018-01-16 11:26:19
End at: 2018-01-16 11:26:49
Local clock offset: -5.117 ms
Remote clock offset: -1.298 ms

Below is generated by plot.py at 2018-01-16 18:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 731.16 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 731.16 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 0.11%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

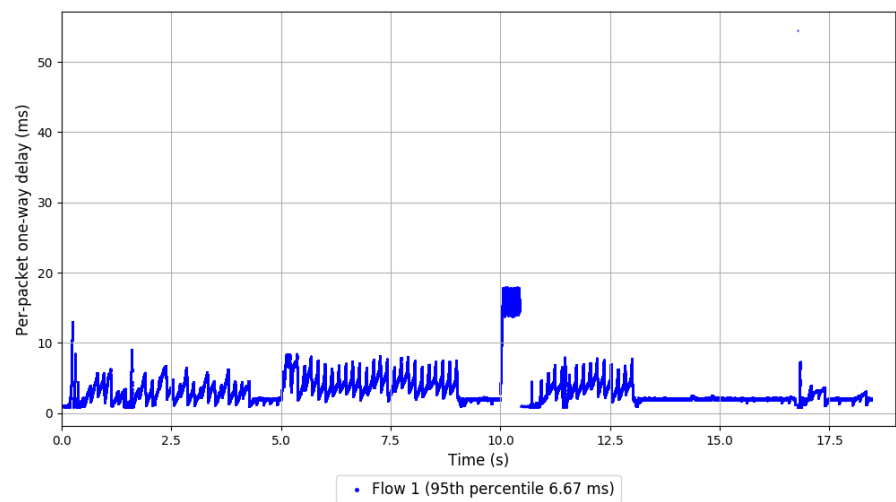
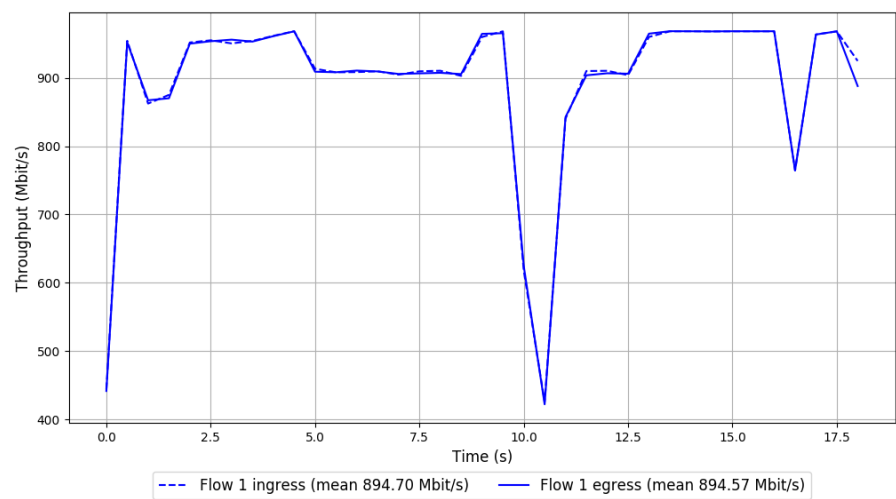
Start at: 2018-01-16 11:51:47

End at: 2018-01-16 11:52:17

Local clock offset: -5.115 ms

Remote clock offset: -1.812 ms

Run 5: Report of TCP BBR — Data Link

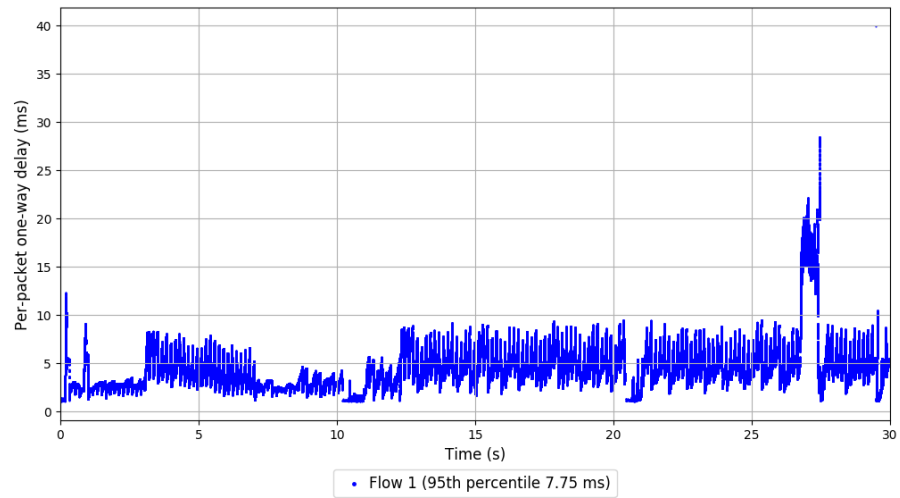
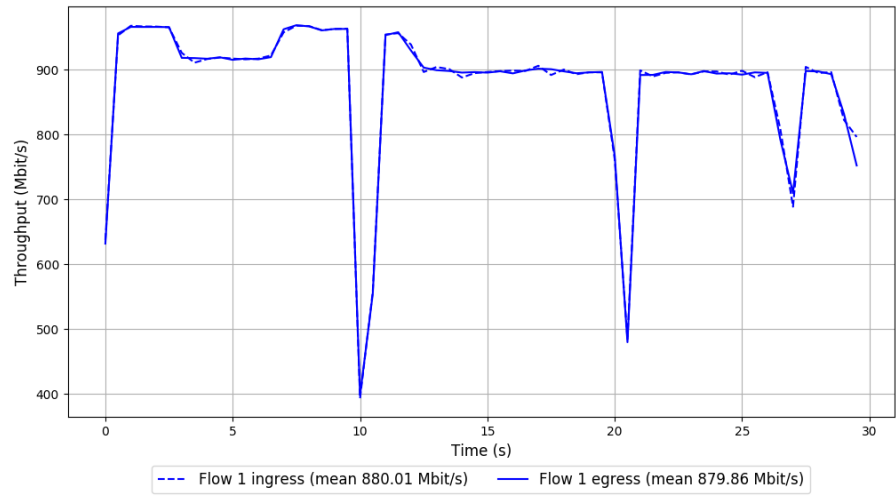


Run 6: Statistics of TCP BBR

Start at: 2018-01-16 12:16:48
End at: 2018-01-16 12:17:18
Local clock offset: -4.963 ms
Remote clock offset: -1.929 ms

Below is generated by plot.py at 2018-01-16 18:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 879.86 Mbit/s
95th percentile per-packet one-way delay: 7.753 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 879.86 Mbit/s
95th percentile per-packet one-way delay: 7.753 ms
Loss rate: 0.08%

Run 6: Report of TCP BBR — Data Link

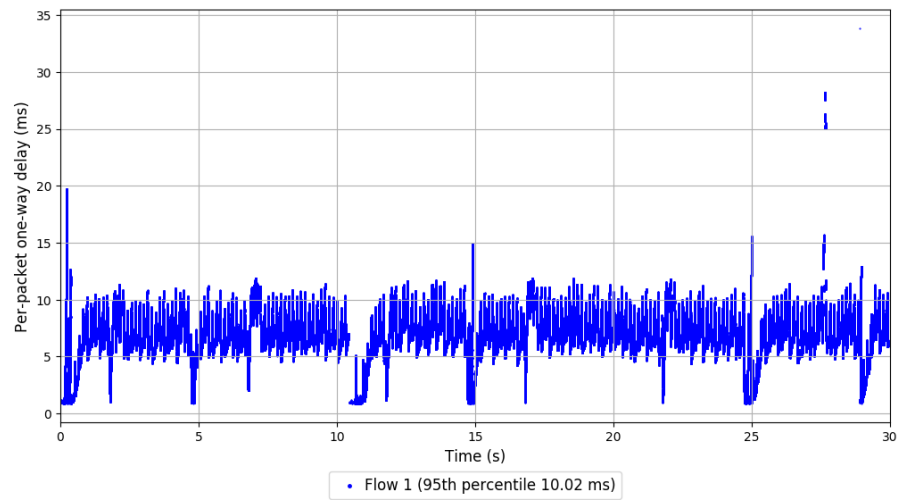
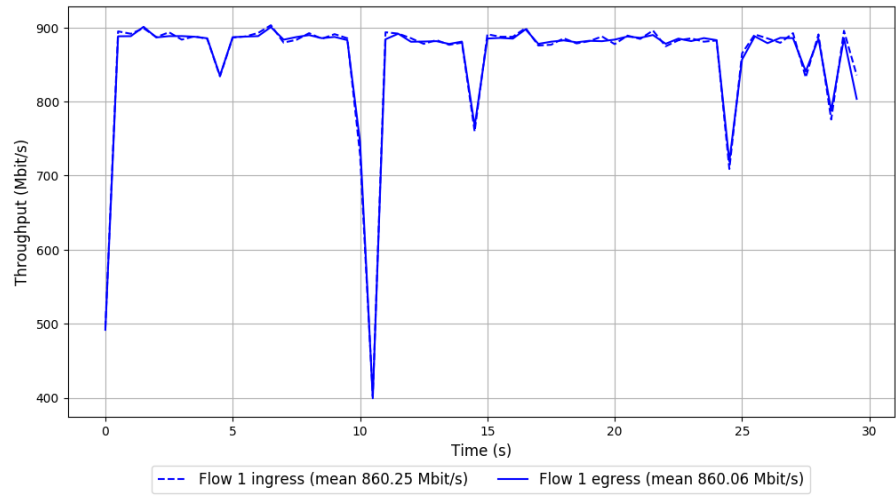


Run 7: Statistics of TCP BBR

Start at: 2018-01-16 12:42:55
End at: 2018-01-16 12:43:25
Local clock offset: -5.146 ms
Remote clock offset: -1.984 ms

Below is generated by plot.py at 2018-01-16 18:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 860.06 Mbit/s
95th percentile per-packet one-way delay: 10.019 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 860.06 Mbit/s
95th percentile per-packet one-way delay: 10.019 ms
Loss rate: 0.09%

Run 7: Report of TCP BBR — Data Link

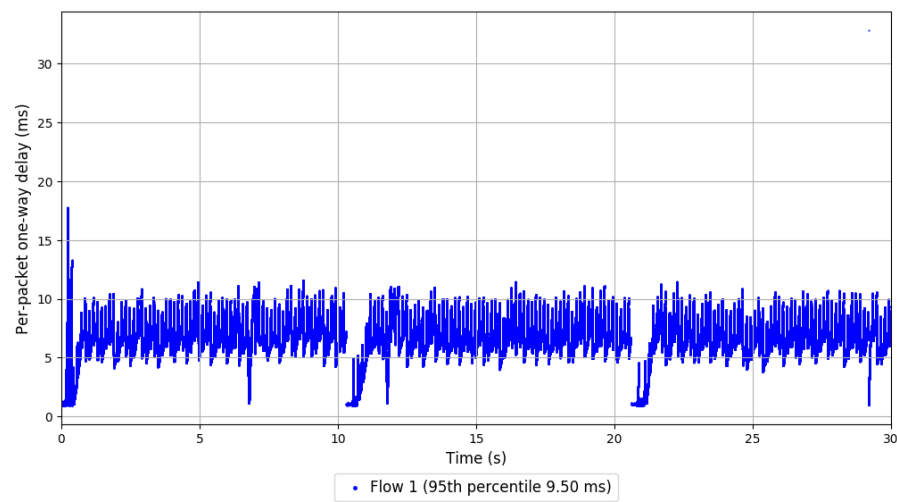
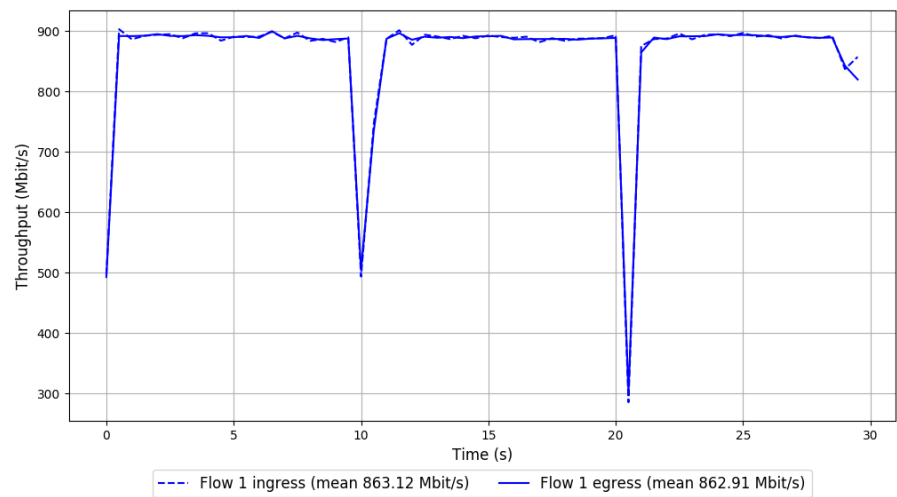


Run 8: Statistics of TCP BBR

Start at: 2018-01-16 13:08:11
End at: 2018-01-16 13:08:41
Local clock offset: -5.273 ms
Remote clock offset: -1.646 ms

Below is generated by plot.py at 2018-01-16 18:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 862.91 Mbit/s
95th percentile per-packet one-way delay: 9.496 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 862.91 Mbit/s
95th percentile per-packet one-way delay: 9.496 ms
Loss rate: 0.09%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

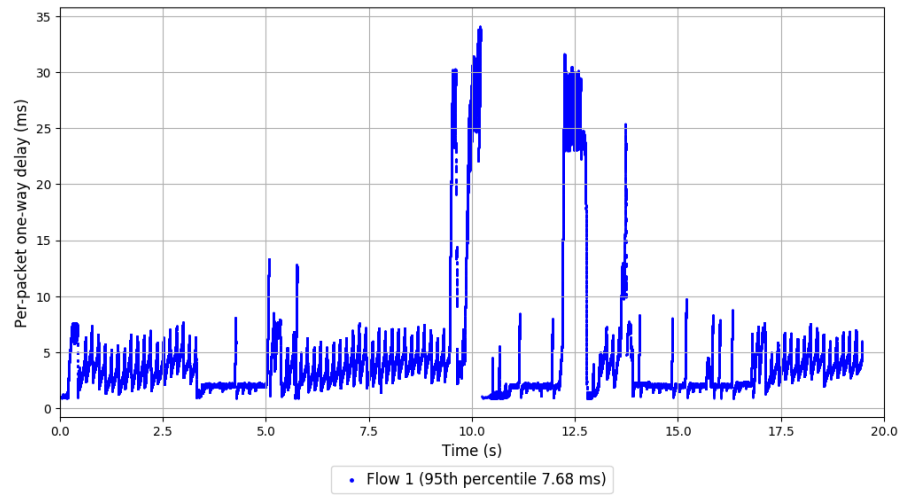
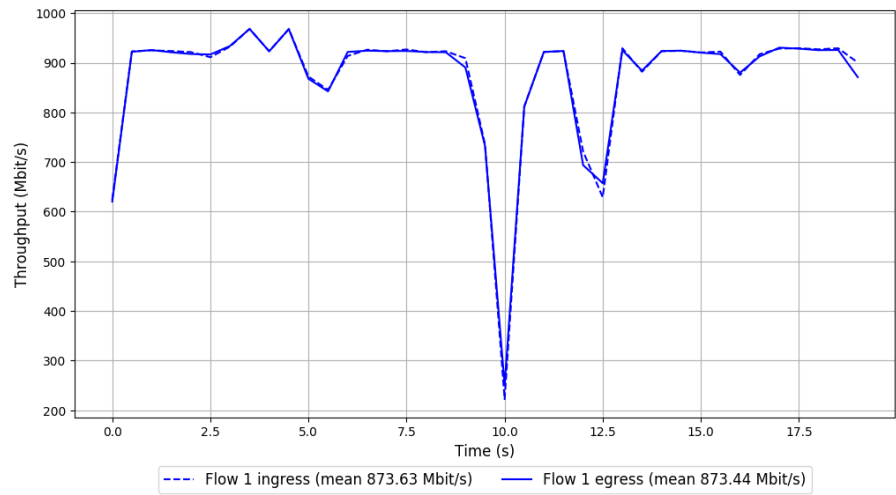
Start at: 2018-01-16 13:34:02

End at: 2018-01-16 13:34:32

Local clock offset: -4.56 ms

Remote clock offset: -1.585 ms

Run 9: Report of TCP BBR — Data Link

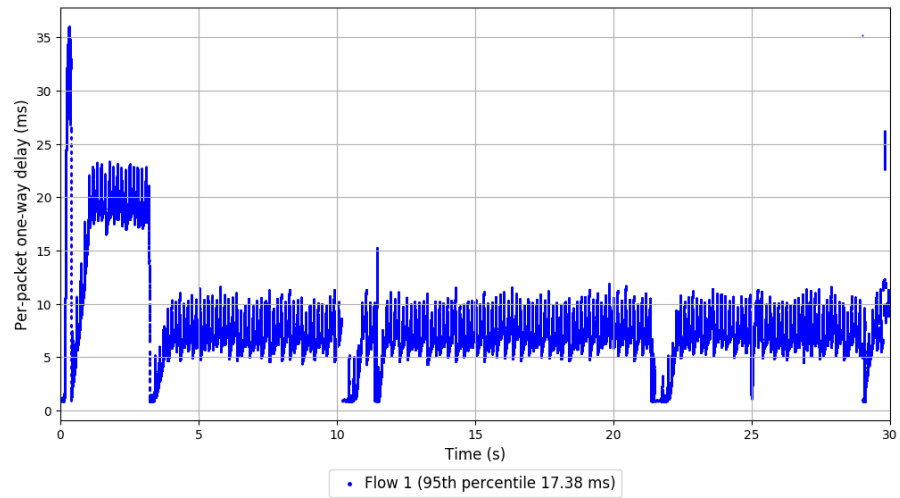
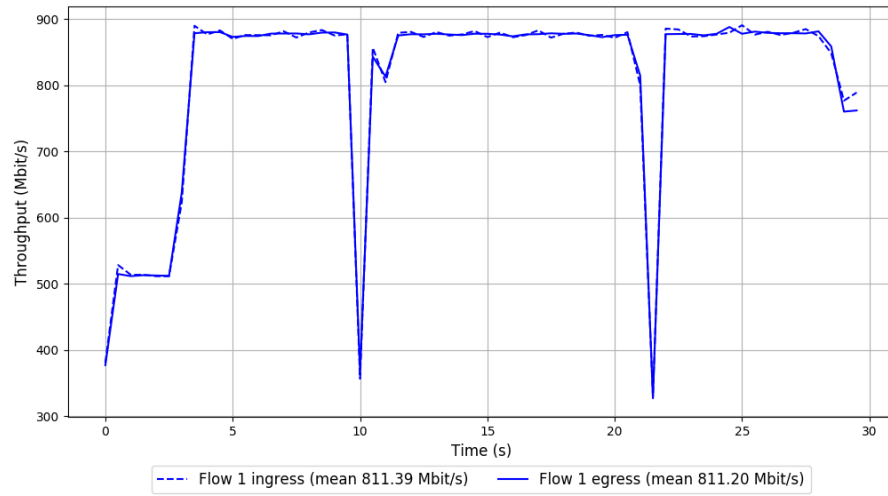


Run 10: Statistics of TCP BBR

Start at: 2018-01-16 13:59:51
End at: 2018-01-16 14:00:21
Local clock offset: -4.472 ms
Remote clock offset: -1.586 ms

Below is generated by plot.py at 2018-01-16 19:07:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 811.20 Mbit/s
95th percentile per-packet one-way delay: 17.380 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 811.20 Mbit/s
95th percentile per-packet one-way delay: 17.380 ms
Loss rate: 0.09%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-16 10:05:24

End at: 2018-01-16 10:05:54

Local clock offset: -4.92 ms

Remote clock offset: -3.003 ms

Below is generated by plot.py at 2018-01-16 19:07:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 671.46 Mbit/s

95th percentile per-packet one-way delay: 9.243 ms

Loss rate: 0.05%

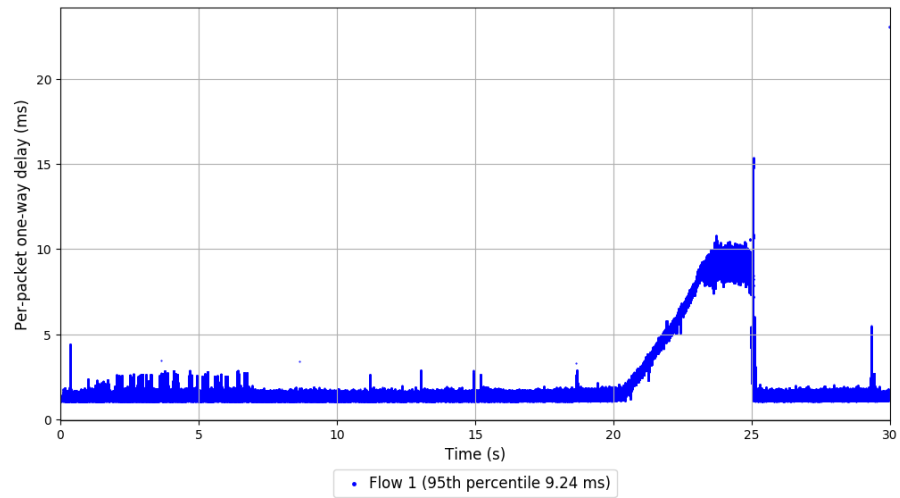
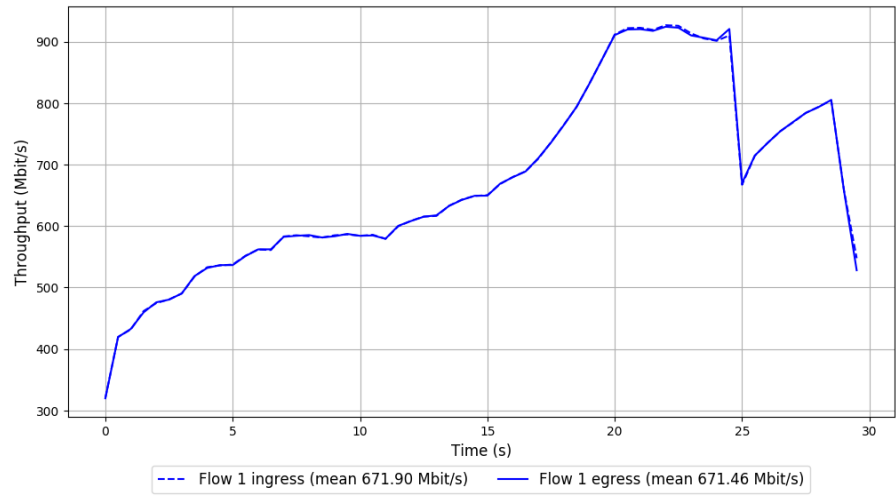
-- Flow 1:

Average throughput: 671.46 Mbit/s

95th percentile per-packet one-way delay: 9.243 ms

Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link

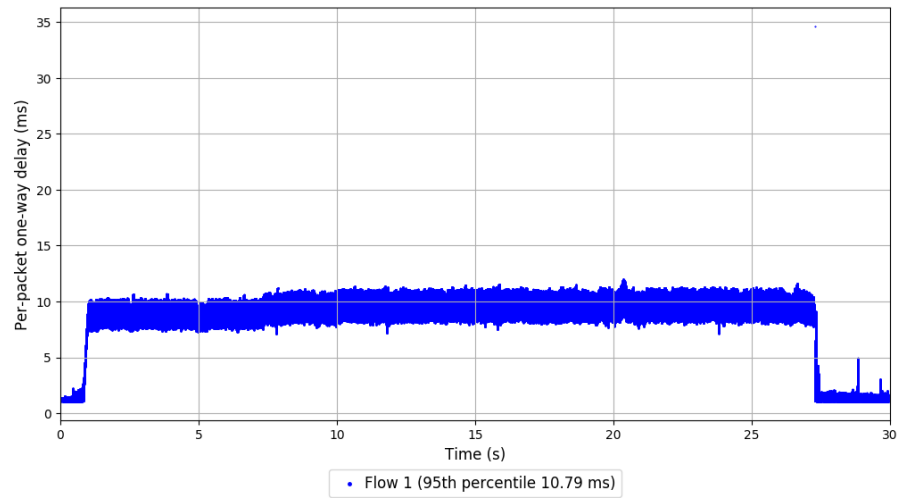
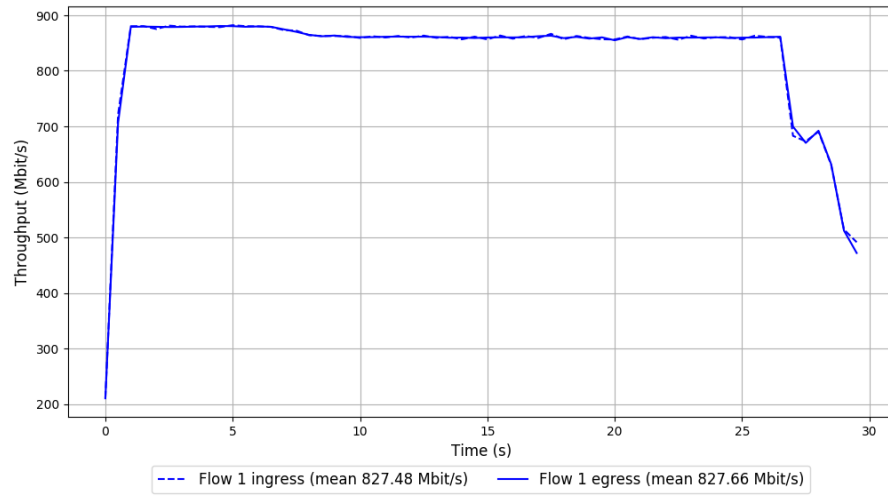


Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 10:31:04
End at: 2018-01-16 10:31:34
Local clock offset: -5.02 ms
Remote clock offset: -2.572 ms

Below is generated by plot.py at 2018-01-16 19:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 827.66 Mbit/s
95th percentile per-packet one-way delay: 10.793 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 827.66 Mbit/s
95th percentile per-packet one-way delay: 10.793 ms
Loss rate: 0.04%

Run 2: Report of TCP Cubic — Data Link

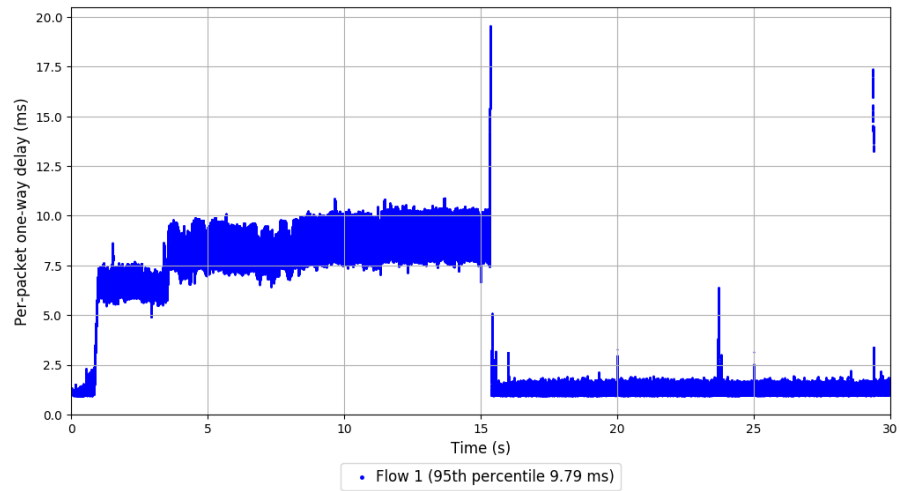
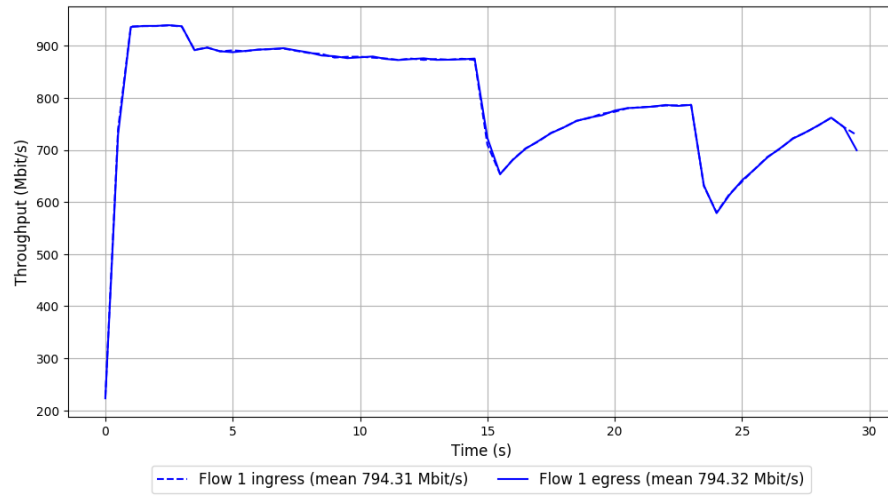


Run 3: Statistics of TCP Cubic

Start at: 2018-01-16 10:57:00
End at: 2018-01-16 10:57:30
Local clock offset: -5.078 ms
Remote clock offset: -1.676 ms

Below is generated by plot.py at 2018-01-16 19:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 794.32 Mbit/s
95th percentile per-packet one-way delay: 9.793 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 794.32 Mbit/s
95th percentile per-packet one-way delay: 9.793 ms
Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link

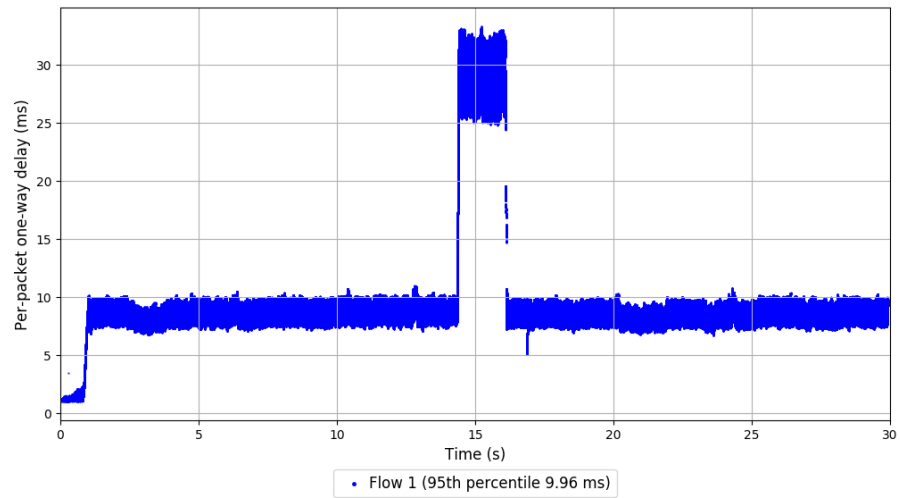
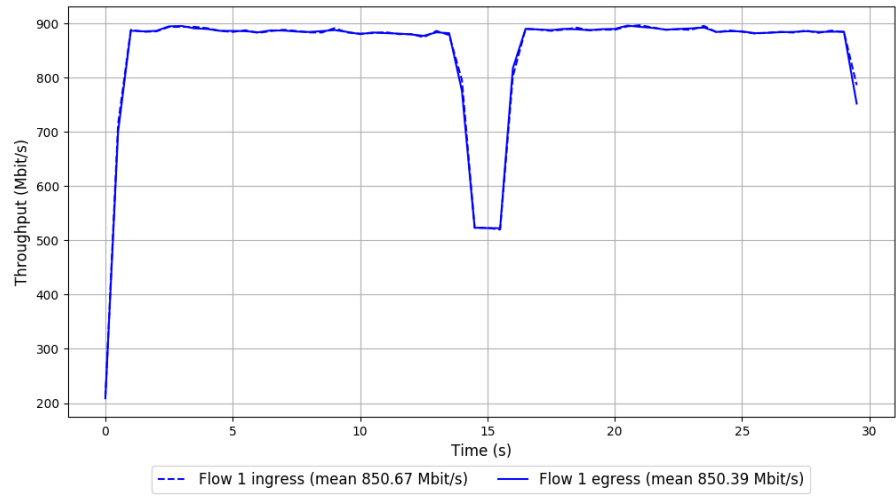


Run 4: Statistics of TCP Cubic

Start at: 2018-01-16 11:23:15
End at: 2018-01-16 11:23:45
Local clock offset: -5.143 ms
Remote clock offset: -1.386 ms

Below is generated by plot.py at 2018-01-16 19:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 850.39 Mbit/s
95th percentile per-packet one-way delay: 9.962 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 850.39 Mbit/s
95th percentile per-packet one-way delay: 9.962 ms
Loss rate: 0.10%

Run 4: Report of TCP Cubic — Data Link

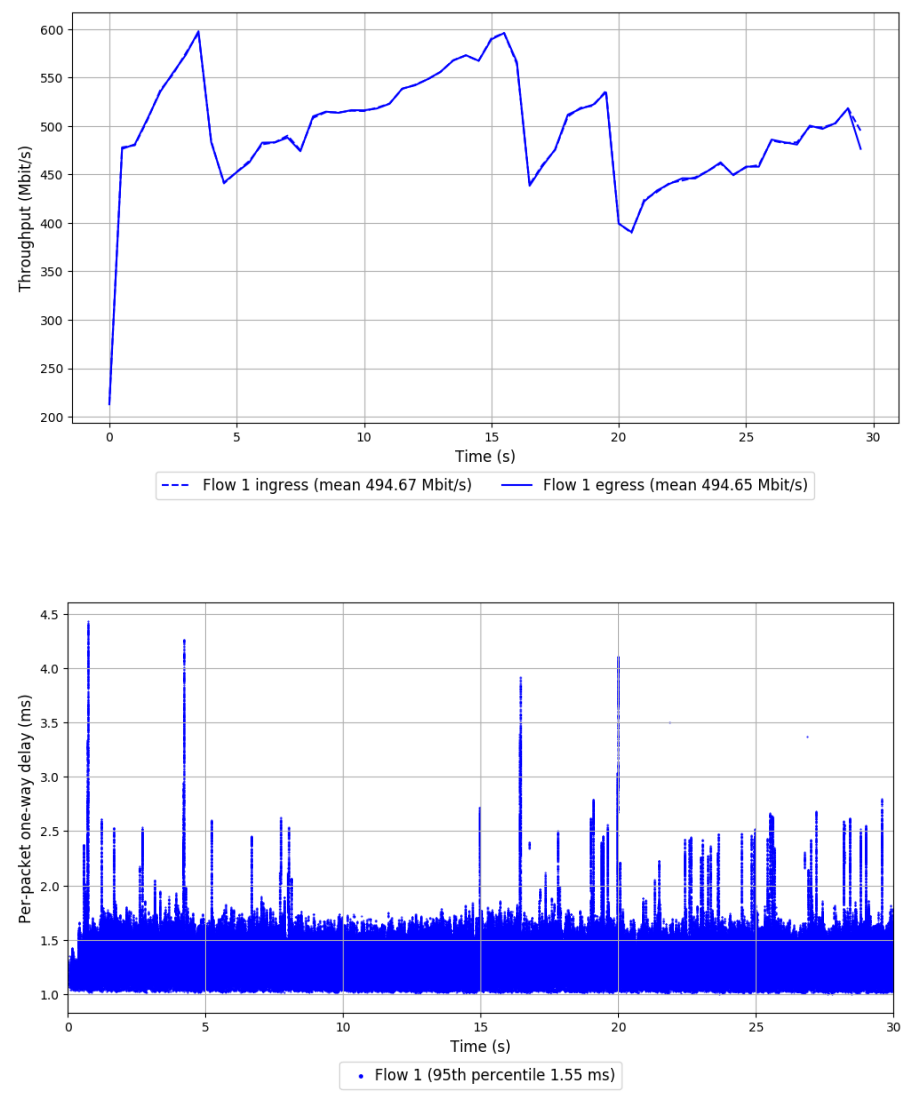


Run 5: Statistics of TCP Cubic

Start at: 2018-01-16 11:48:57
End at: 2018-01-16 11:49:27
Local clock offset: -5.052 ms
Remote clock offset: -1.843 ms

Below is generated by plot.py at 2018-01-16 19:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 494.65 Mbit/s
95th percentile per-packet one-way delay: 1.555 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 494.65 Mbit/s
95th percentile per-packet one-way delay: 1.555 ms
Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link

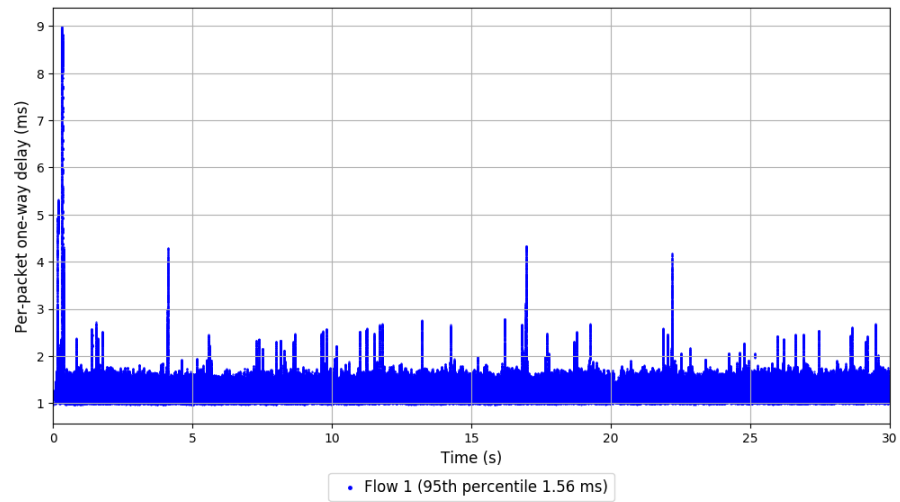
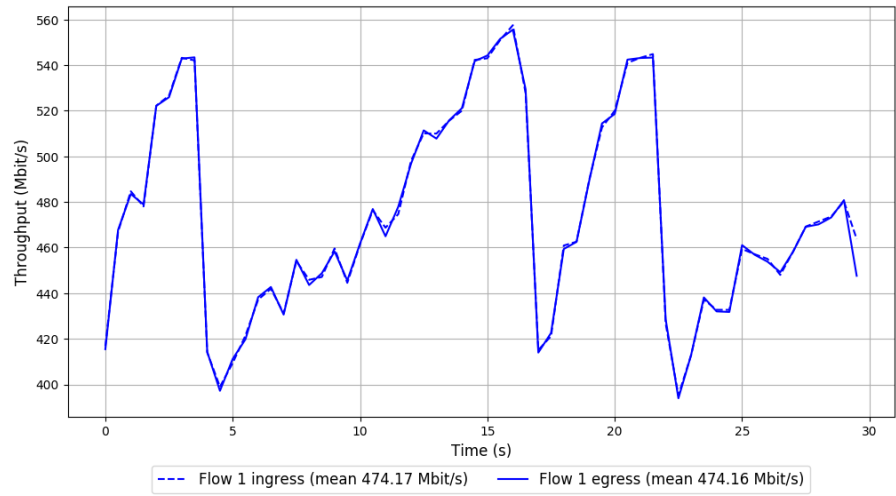


Run 6: Statistics of TCP Cubic

Start at: 2018-01-16 12:14:00
End at: 2018-01-16 12:14:30
Local clock offset: -5.016 ms
Remote clock offset: -2.006 ms

Below is generated by plot.py at 2018-01-16 19:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 474.16 Mbit/s
95th percentile per-packet one-way delay: 1.562 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 474.16 Mbit/s
95th percentile per-packet one-way delay: 1.562 ms
Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link

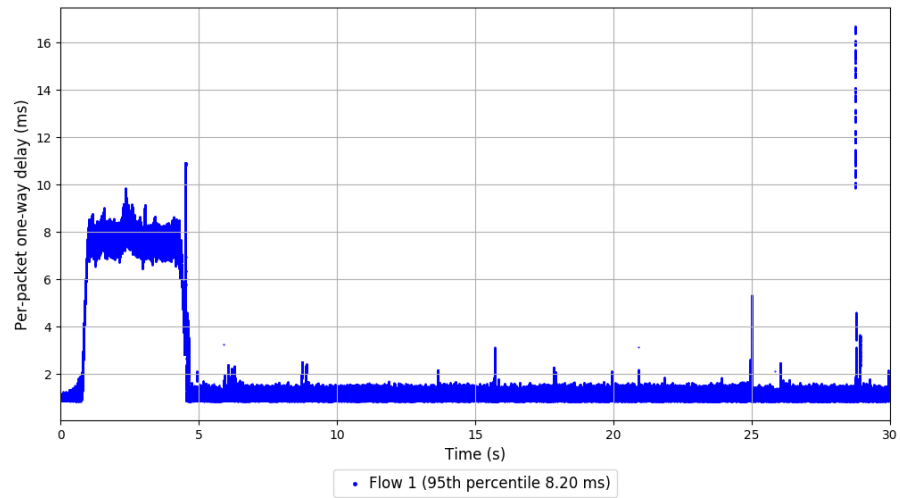
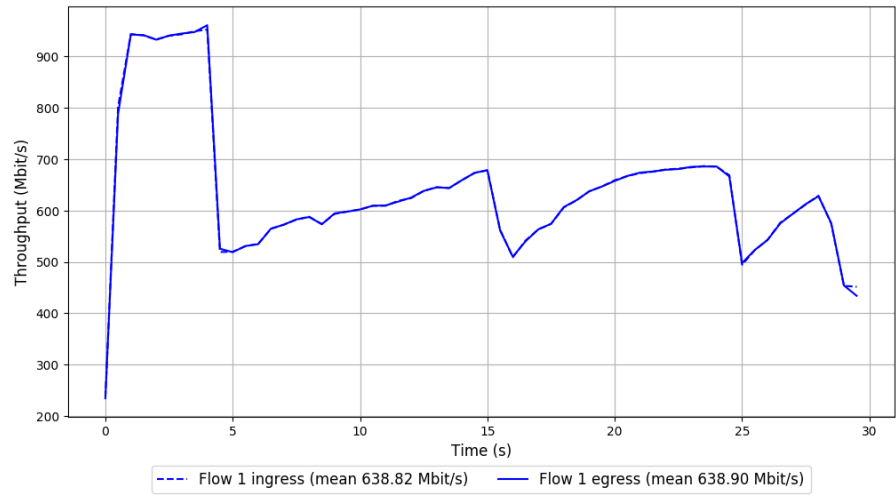


Run 7: Statistics of TCP Cubic

Start at: 2018-01-16 12:39:59
End at: 2018-01-16 12:40:29
Local clock offset: -5.134 ms
Remote clock offset: -1.903 ms

Below is generated by plot.py at 2018-01-16 19:09:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 638.90 Mbit/s
95th percentile per-packet one-way delay: 8.198 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 638.90 Mbit/s
95th percentile per-packet one-way delay: 8.198 ms
Loss rate: 0.05%

Run 7: Report of TCP Cubic — Data Link

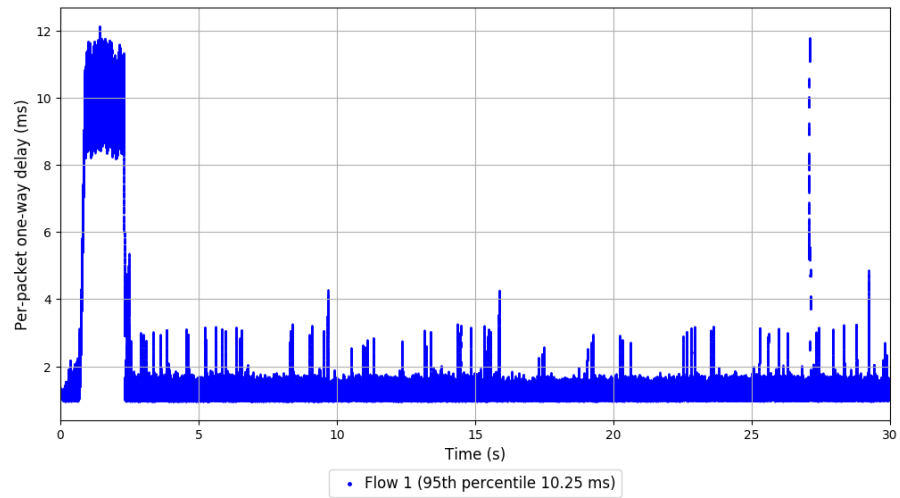
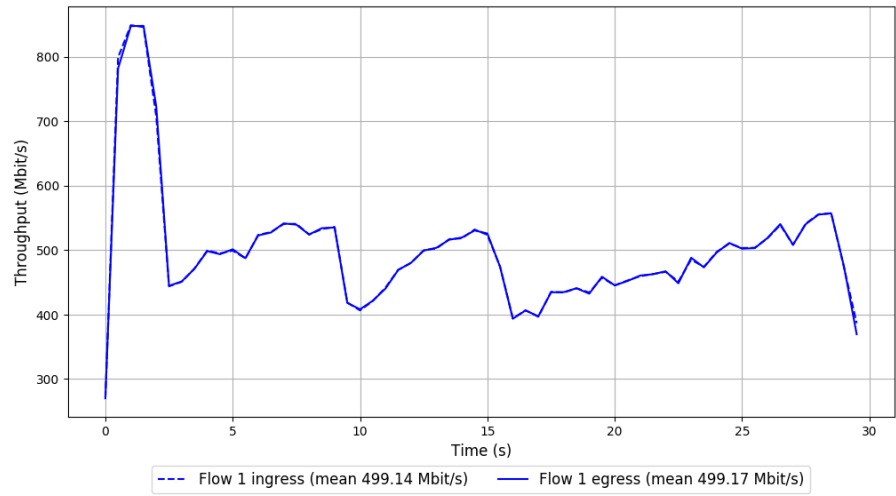


Run 8: Statistics of TCP Cubic

Start at: 2018-01-16 13:05:21
End at: 2018-01-16 13:05:51
Local clock offset: -5.347 ms
Remote clock offset: -1.794 ms

Below is generated by plot.py at 2018-01-16 19:11:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 499.17 Mbit/s
95th percentile per-packet one-way delay: 10.250 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 499.17 Mbit/s
95th percentile per-packet one-way delay: 10.250 ms
Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-16 13:31:09

End at: 2018-01-16 13:31:39

Local clock offset: -4.759 ms

Remote clock offset: -1.58 ms

Below is generated by plot.py at 2018-01-16 19:12:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 557.22 Mbit/s

95th percentile per-packet one-way delay: 1.752 ms

Loss rate: 0.05%

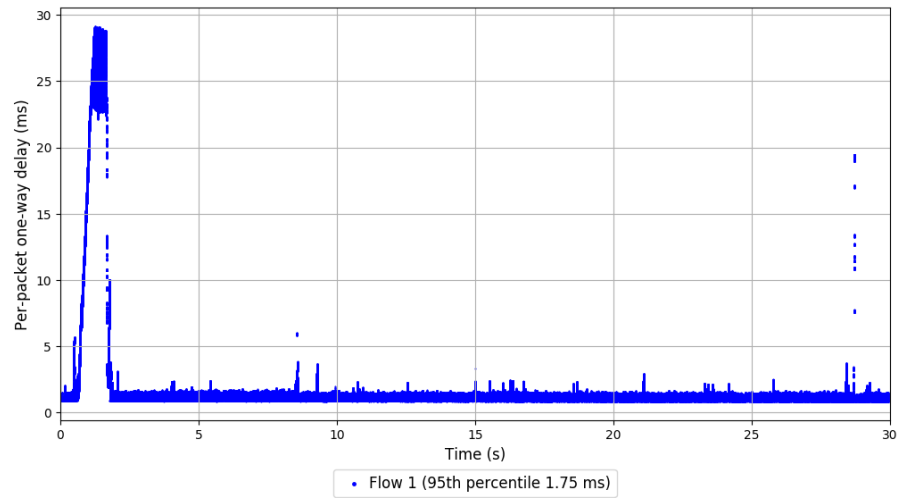
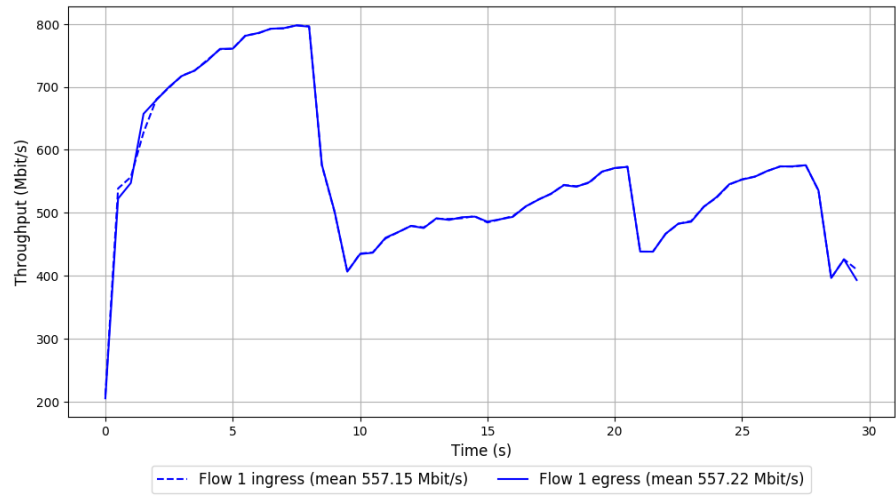
-- Flow 1:

Average throughput: 557.22 Mbit/s

95th percentile per-packet one-way delay: 1.752 ms

Loss rate: 0.05%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-16 13:56:56

End at: 2018-01-16 13:57:26

Local clock offset: -4.461 ms

Remote clock offset: -1.604 ms

Below is generated by plot.py at 2018-01-16 19:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 647.53 Mbit/s

95th percentile per-packet one-way delay: 14.529 ms

Loss rate: 0.06%

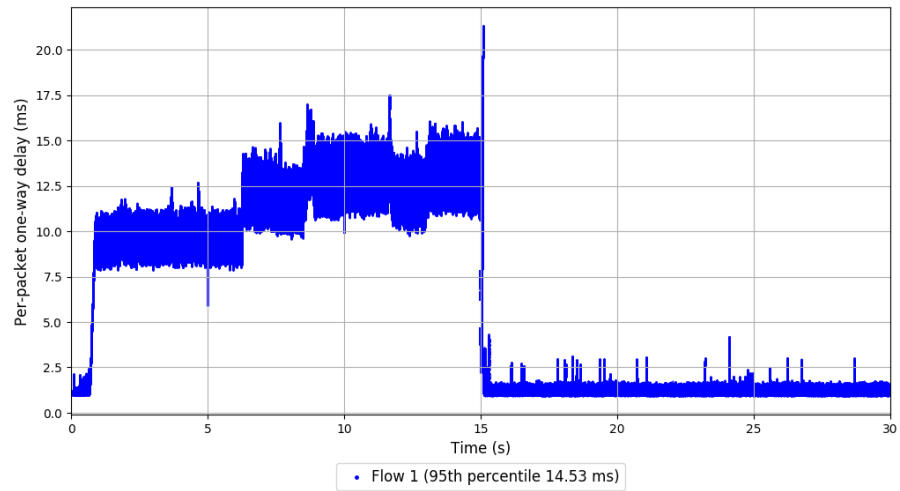
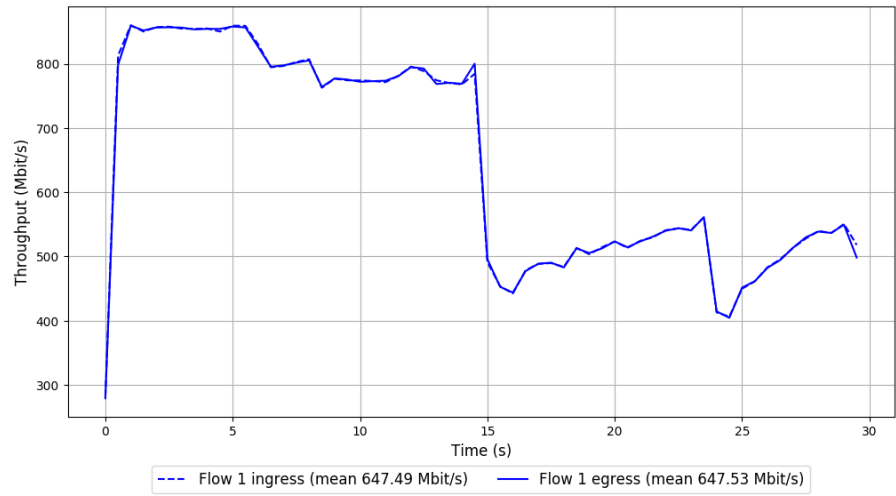
-- Flow 1:

Average throughput: 647.53 Mbit/s

95th percentile per-packet one-way delay: 14.529 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

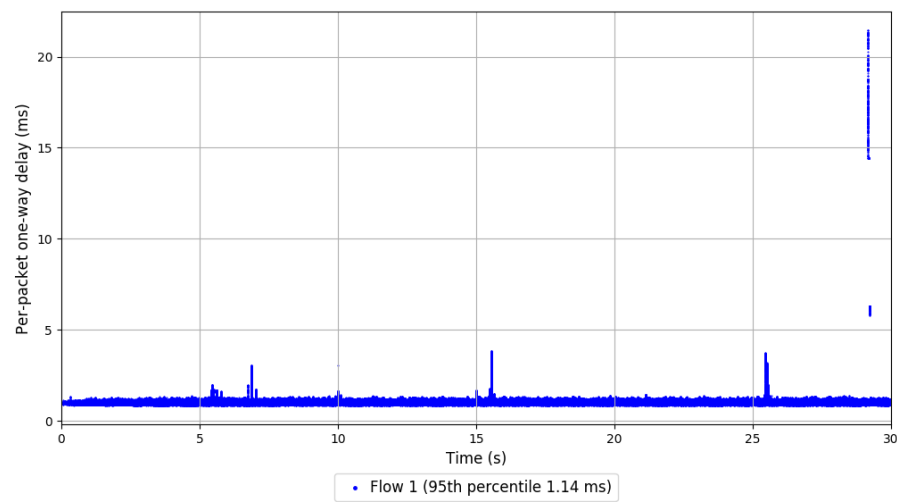
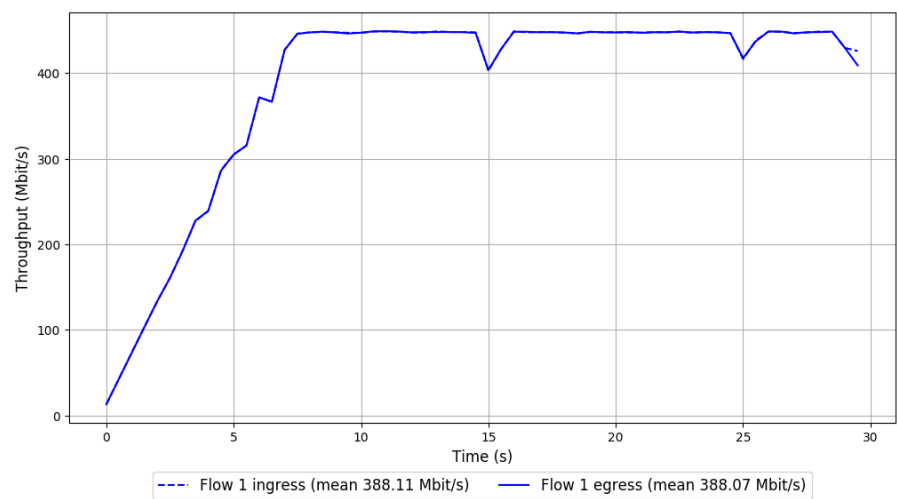


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-16 10:12:59
End at: 2018-01-16 10:13:29
Local clock offset: -5.051 ms
Remote clock offset: -2.879 ms

# Below is generated by plot.py at 2018-01-16 19:15:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.07 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 388.07 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.08%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

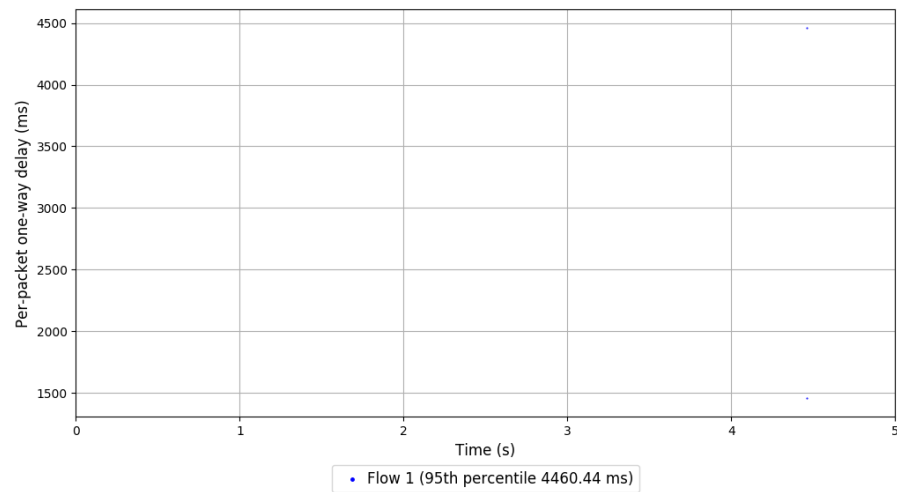
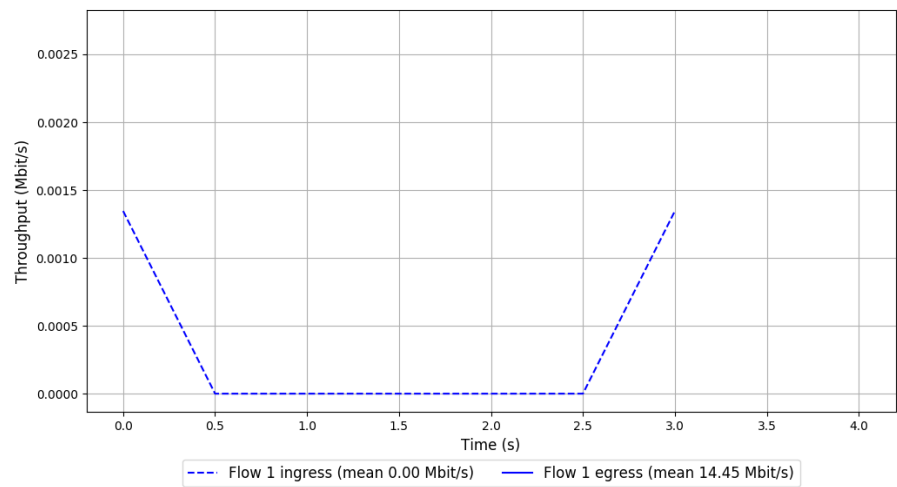
Start at: 2018-01-16 10:38:47

End at: 2018-01-16 10:39:17

Local clock offset: -4.998 ms

Remote clock offset: -2.325 ms

Run 2: Report of LEDBAT — Data Link

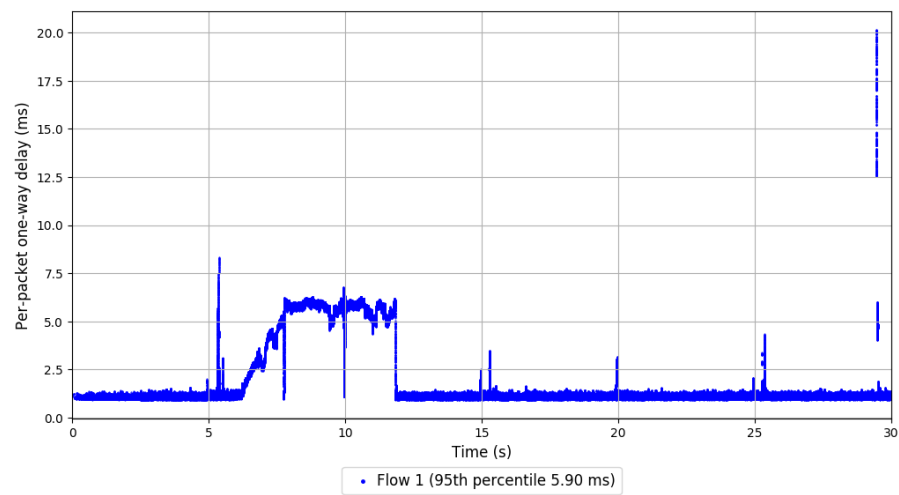
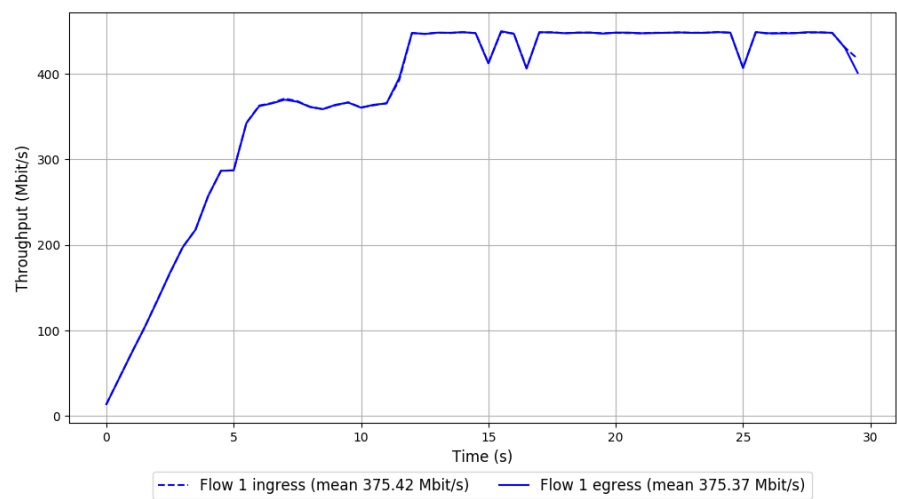


Run 3: Statistics of LEDBAT

Start at: 2018-01-16 11:04:40
End at: 2018-01-16 11:05:10
Local clock offset: -5.195 ms
Remote clock offset: -1.574 ms

Below is generated by plot.py at 2018-01-16 19:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.37 Mbit/s
95th percentile per-packet one-way delay: 5.898 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 375.37 Mbit/s
95th percentile per-packet one-way delay: 5.898 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

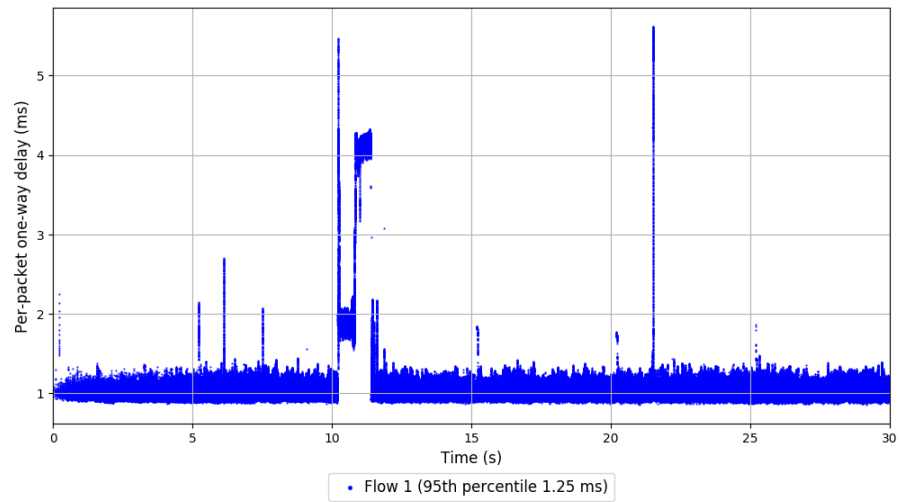
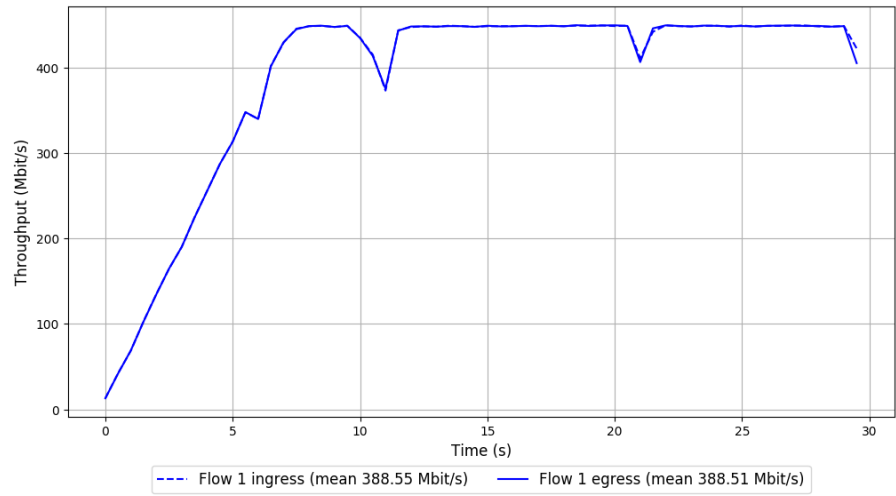


Run 4: Statistics of LEDBAT

Start at: 2018-01-16 11:30:48
End at: 2018-01-16 11:31:18
Local clock offset: -5.125 ms
Remote clock offset: -1.312 ms

Below is generated by plot.py at 2018-01-16 19:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 388.51 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 388.51 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.08%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

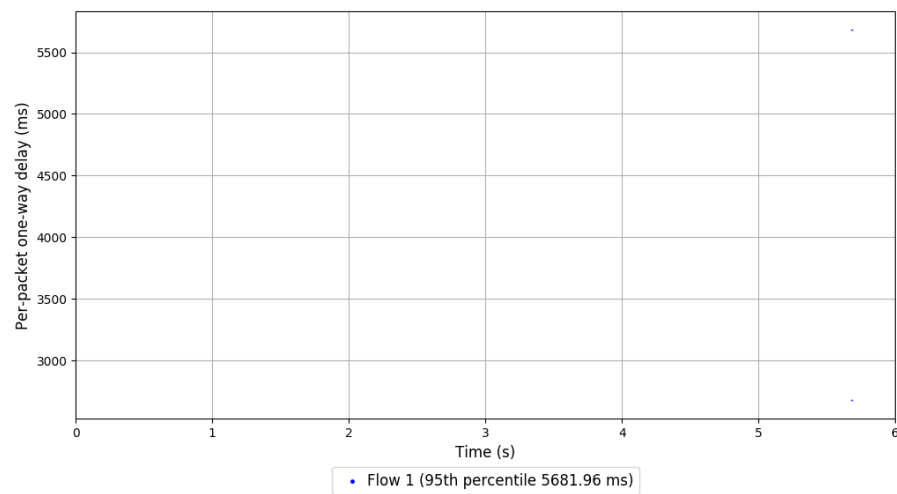
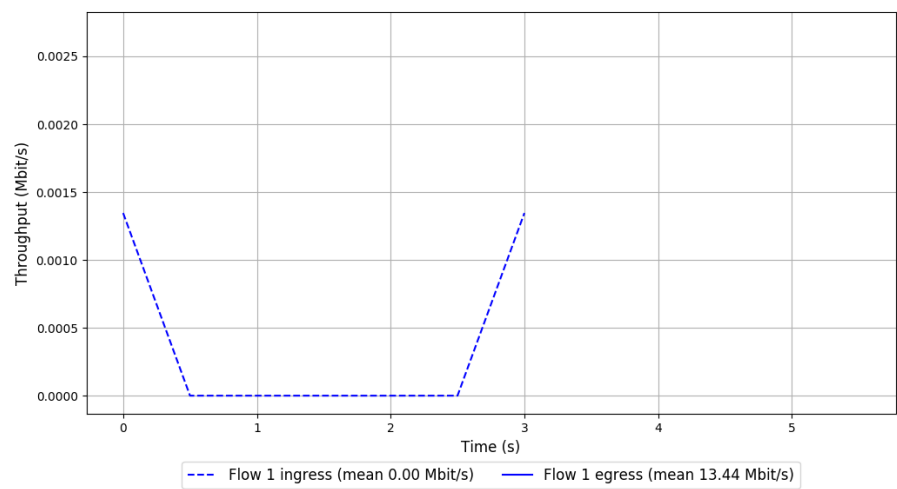
Start at: 2018-01-16 11:56:10

End at: 2018-01-16 11:56:41

Local clock offset: -4.996 ms

Remote clock offset: -2.002 ms

Run 5: Report of LEDBAT — Data Link

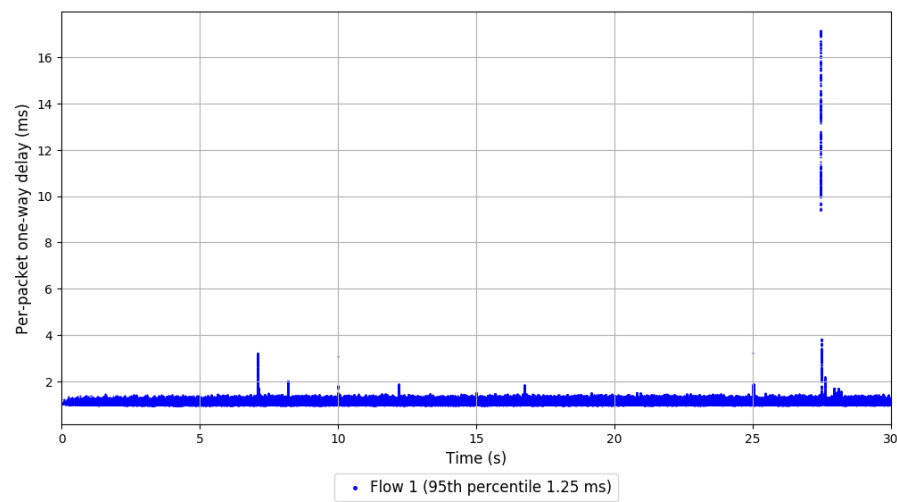
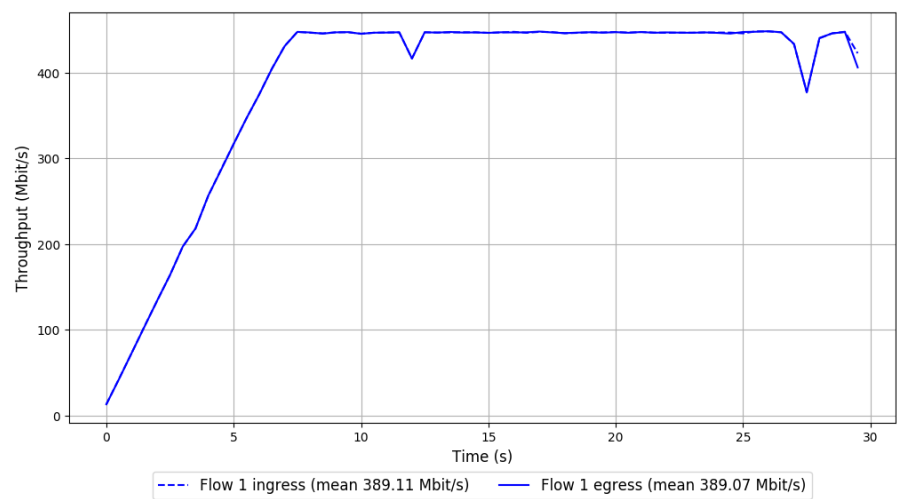


Run 6: Statistics of LEDBAT

Start at: 2018-01-16 12:21:24
End at: 2018-01-16 12:21:54
Local clock offset: -5.037 ms
Remote clock offset: -1.875 ms

Below is generated by plot.py at 2018-01-16 19:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.07 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 389.07 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

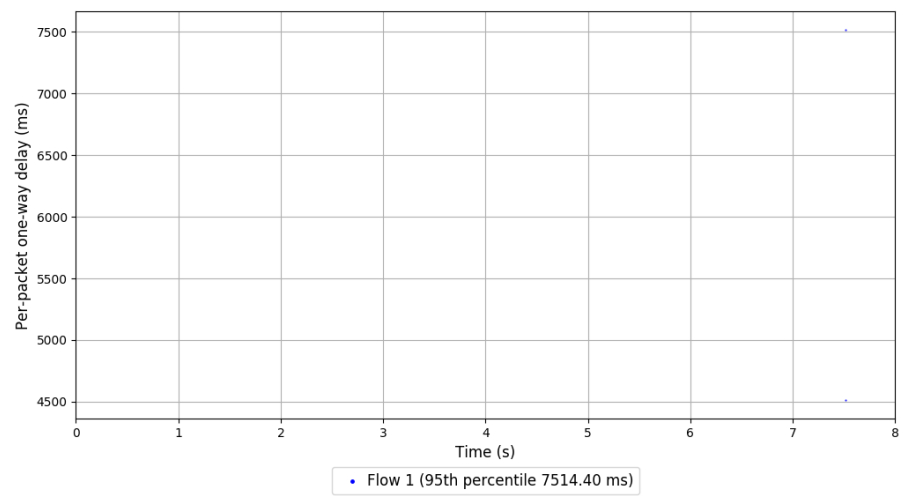
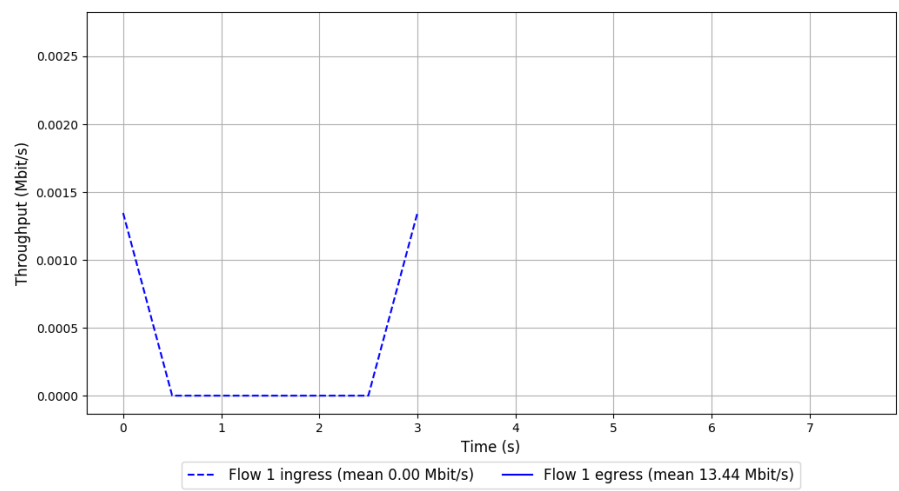
Start at: 2018-01-16 12:47:31

End at: 2018-01-16 12:48:01

Local clock offset: -5.074 ms

Remote clock offset: -2.045 ms

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

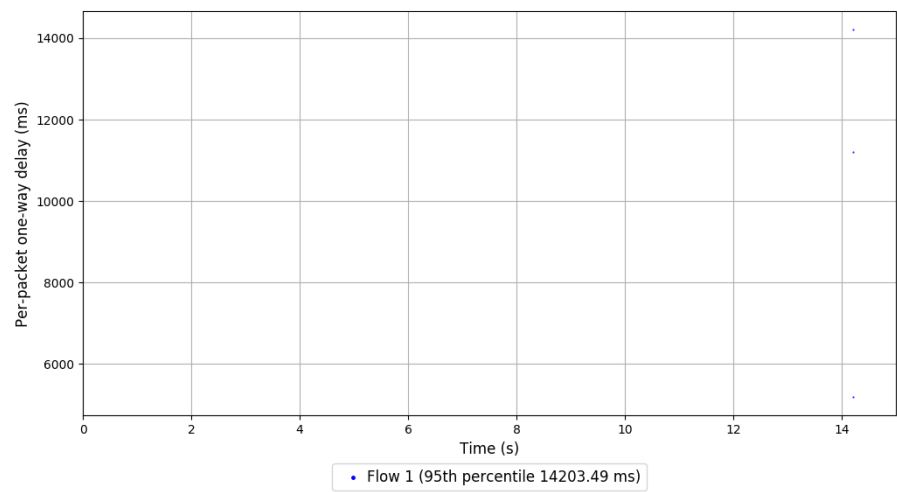
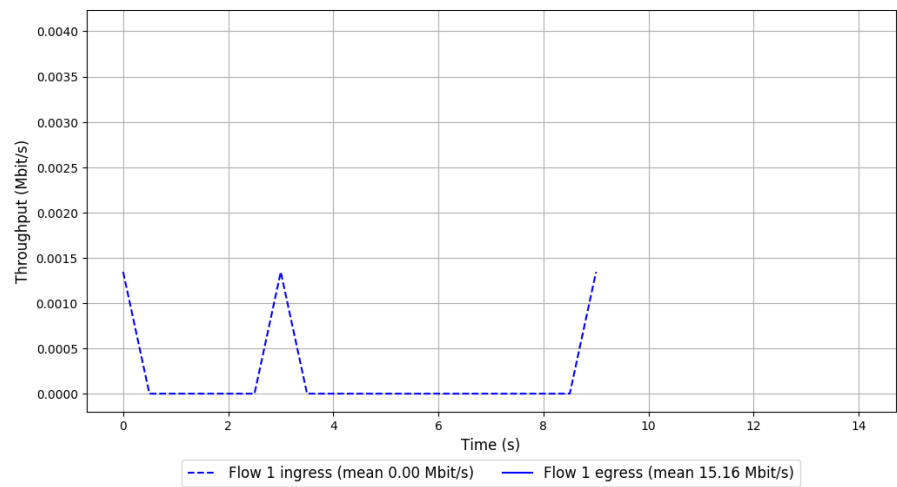
Start at: 2018-01-16 13:12:46

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

Local clock offset: -5.315 ms

Remote clock offset: -1.619 ms

Run 8: Report of LEDBAT — Data Link

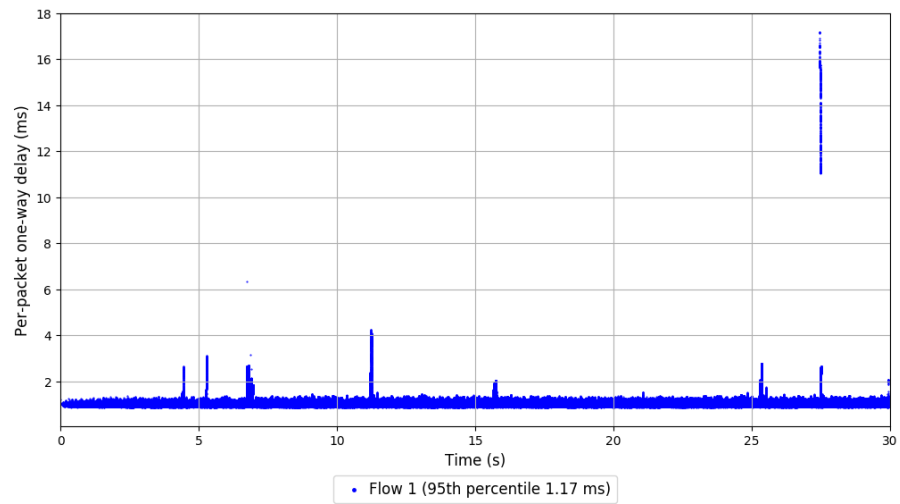
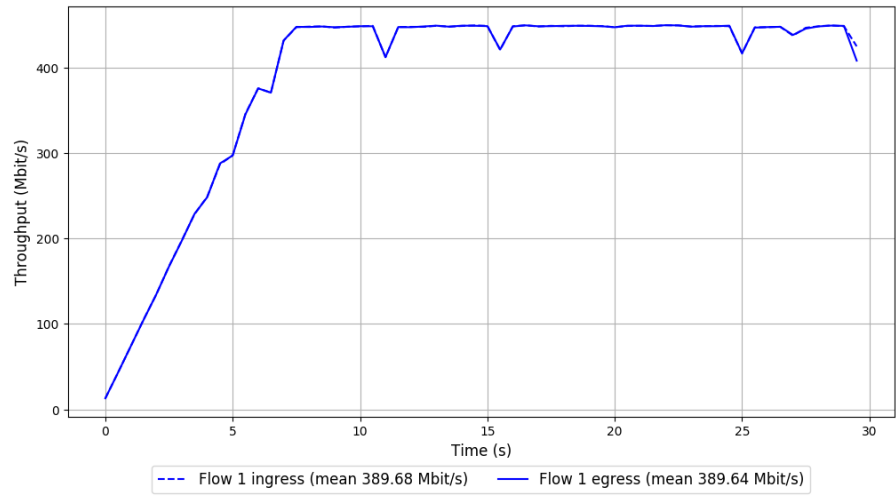


Run 9: Statistics of LEDBAT

Start at: 2018-01-16 13:38:27
End at: 2018-01-16 13:38:58
Local clock offset: -4.309 ms
Remote clock offset: -1.535 ms

Below is generated by plot.py at 2018-01-16 19:15:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.64 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 389.64 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

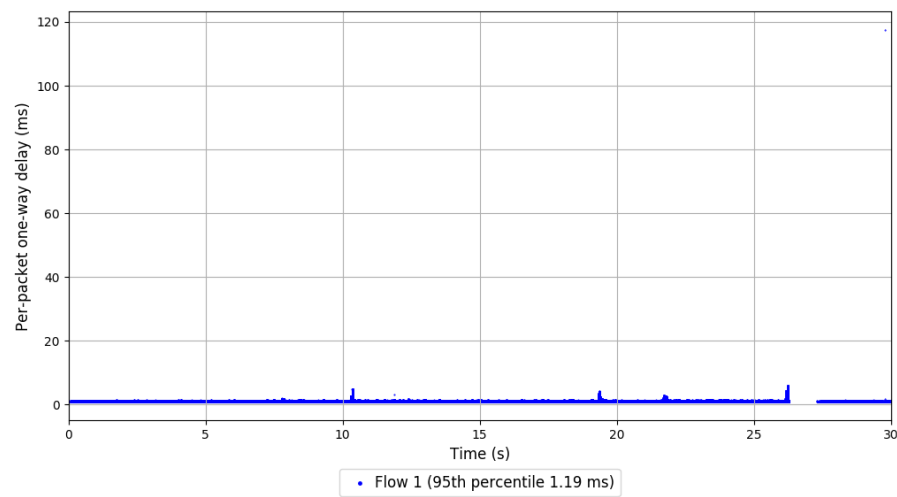
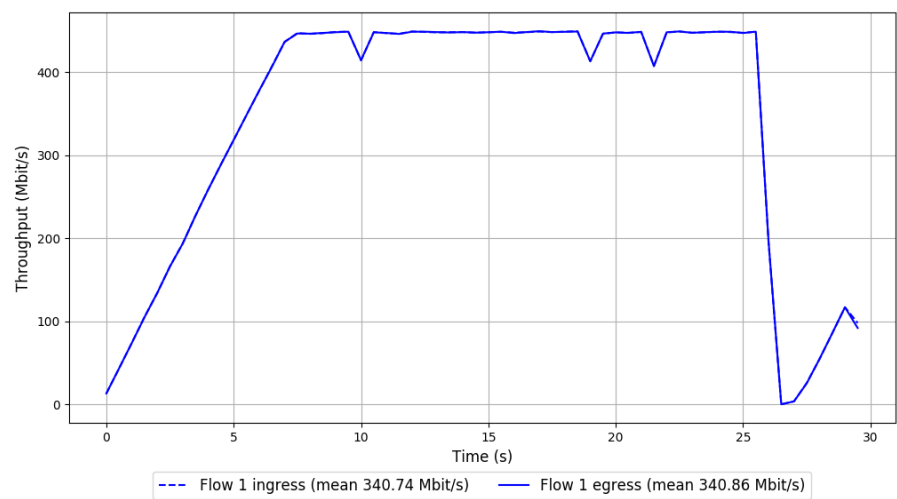


Run 10: Statistics of LEDBAT

Start at: 2018-01-16 14:04:28
End at: 2018-01-16 14:04:58
Local clock offset: -4.497 ms
Remote clock offset: -1.798 ms

Below is generated by plot.py at 2018-01-16 19:16:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 340.86 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 340.86 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.03%

Run 10: Report of LEDBAT — Data Link

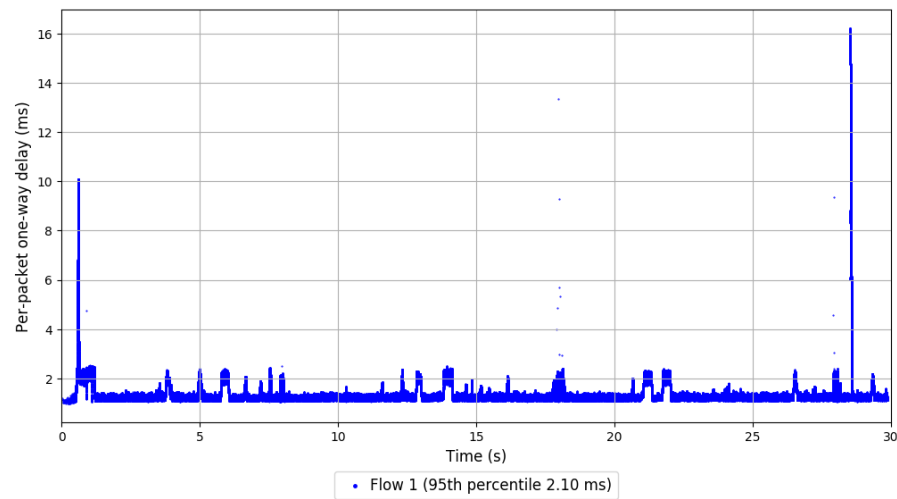
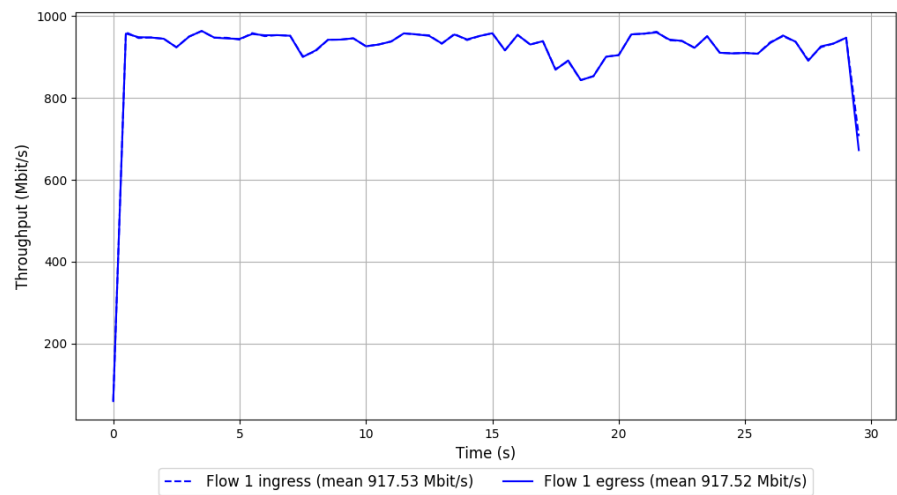


Run 1: Statistics of PCC

Start at: 2018-01-16 10:03:47
End at: 2018-01-16 10:04:17
Local clock offset: -4.9 ms
Remote clock offset: -3.055 ms

Below is generated by plot.py at 2018-01-16 19:25:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 917.52 Mbit/s
95th percentile per-packet one-way delay: 2.097 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 917.52 Mbit/s
95th percentile per-packet one-way delay: 2.097 ms
Loss rate: 0.07%

Run 1: Report of PCC — Data Link

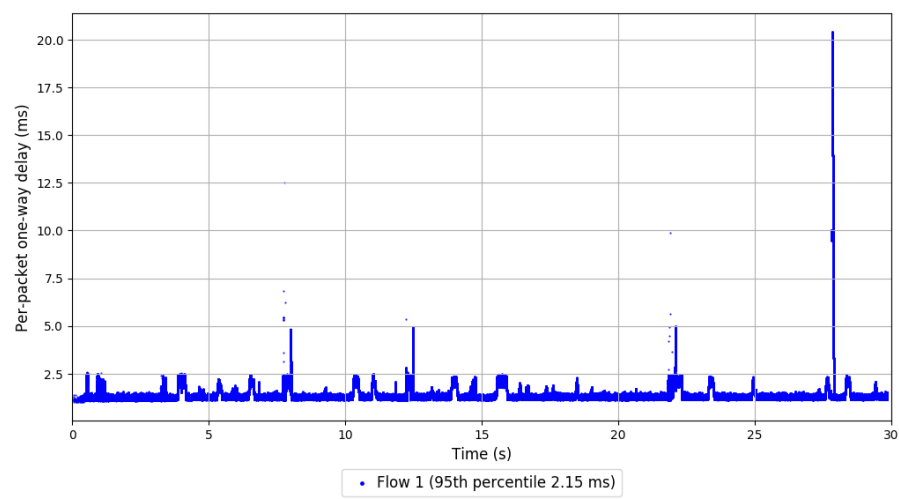
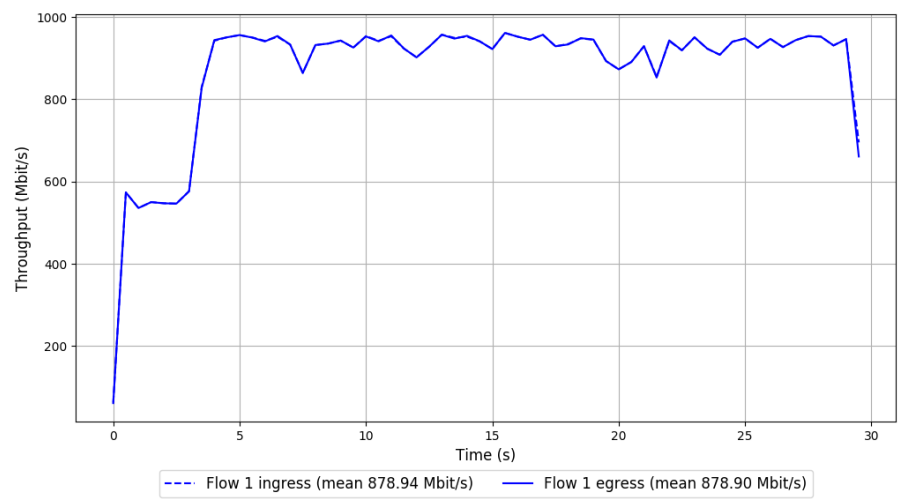


Run 2: Statistics of PCC

Start at: 2018-01-16 10:29:28
End at: 2018-01-16 10:29:58
Local clock offset: -5.006 ms
Remote clock offset: -2.611 ms

Below is generated by plot.py at 2018-01-16 19:25:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 878.90 Mbit/s
95th percentile per-packet one-way delay: 2.146 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 878.90 Mbit/s
95th percentile per-packet one-way delay: 2.146 ms
Loss rate: 0.07%

Run 2: Report of PCC — Data Link

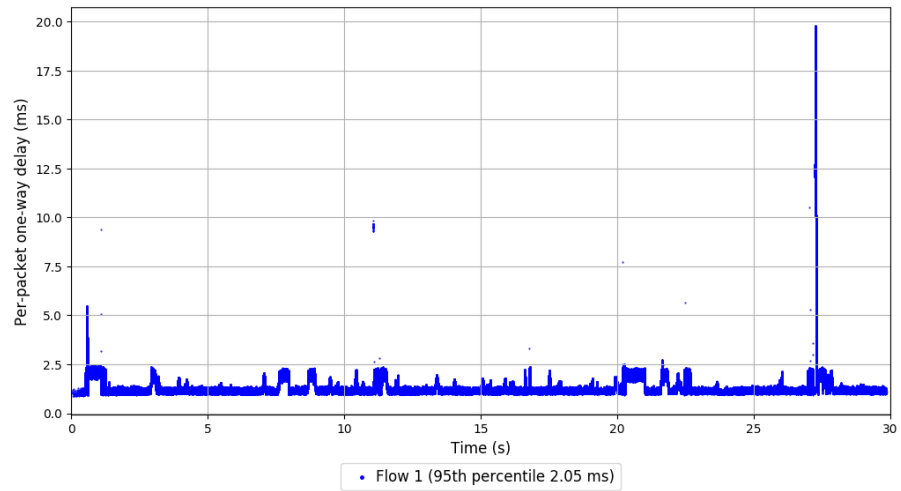
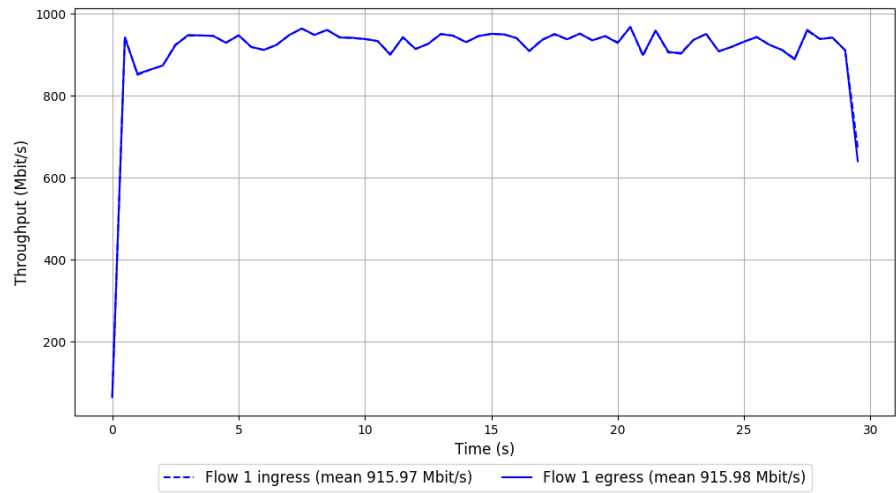


Run 3: Statistics of PCC

Start at: 2018-01-16 10:55:24
End at: 2018-01-16 10:55:54
Local clock offset: -5.067 ms
Remote clock offset: -1.719 ms

Below is generated by plot.py at 2018-01-16 19:27:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 915.98 Mbit/s
95th percentile per-packet one-way delay: 2.046 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 915.98 Mbit/s
95th percentile per-packet one-way delay: 2.046 ms
Loss rate: 0.06%

Run 3: Report of PCC — Data Link

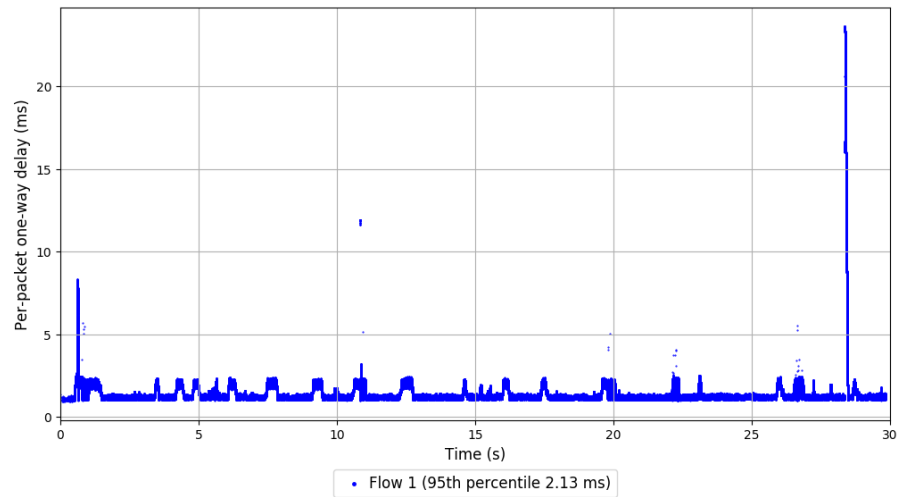
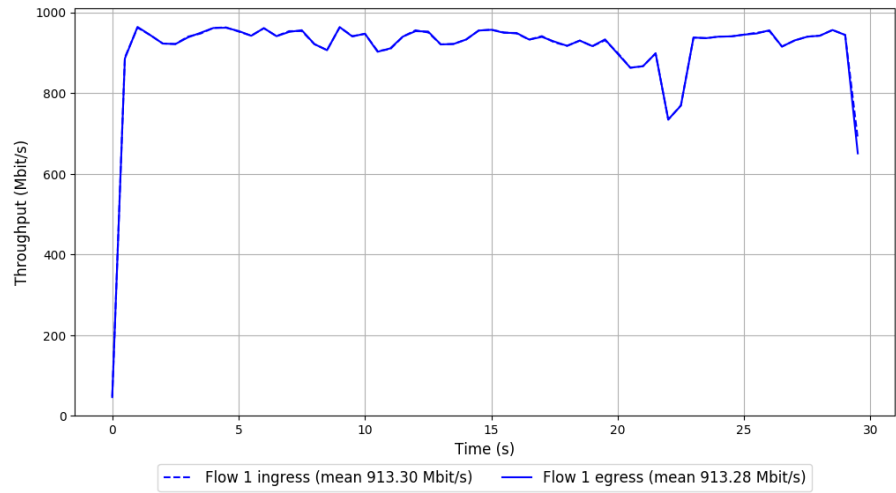


Run 4: Statistics of PCC

Start at: 2018-01-16 11:21:39
End at: 2018-01-16 11:22:09
Local clock offset: -5.106 ms
Remote clock offset: -1.335 ms

Below is generated by plot.py at 2018-01-16 19:27:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 913.28 Mbit/s
95th percentile per-packet one-way delay: 2.134 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 913.28 Mbit/s
95th percentile per-packet one-way delay: 2.134 ms
Loss rate: 0.07%

Run 4: Report of PCC — Data Link

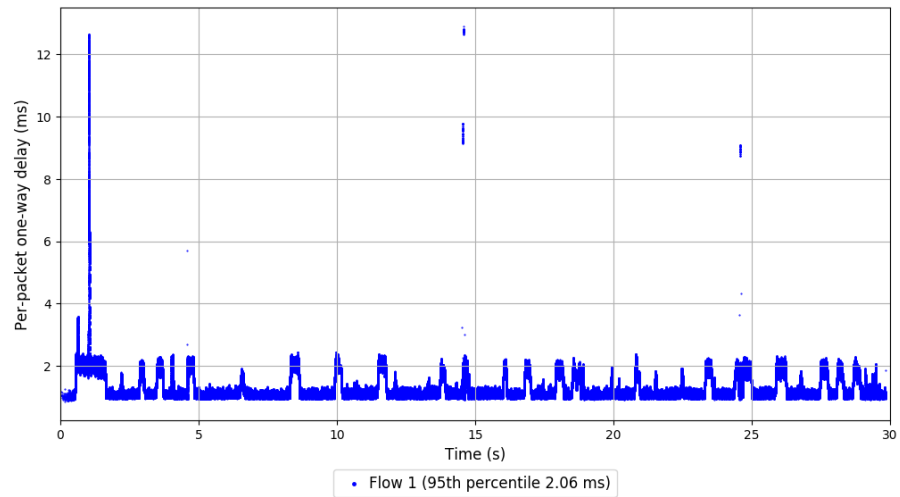
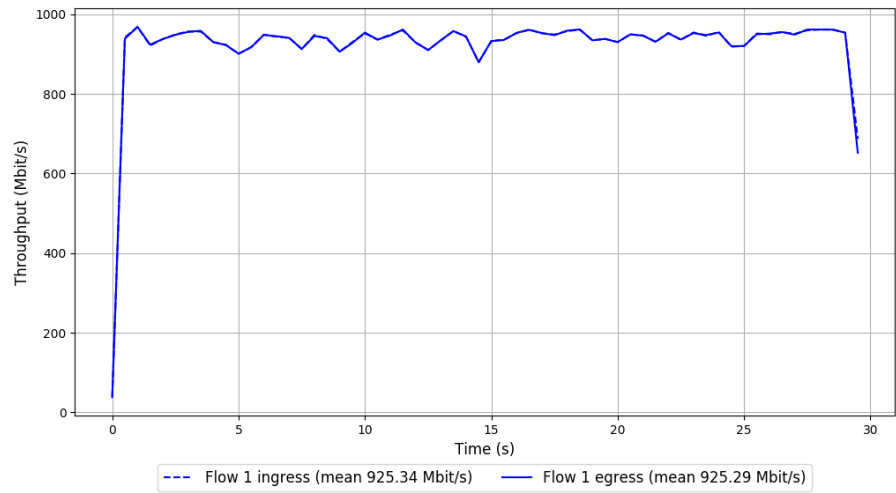


Run 5: Statistics of PCC

Start at: 2018-01-16 11:47:20
End at: 2018-01-16 11:47:50
Local clock offset: -5.057 ms
Remote clock offset: -1.699 ms

Below is generated by plot.py at 2018-01-16 19:28:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 925.29 Mbit/s
95th percentile per-packet one-way delay: 2.063 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 925.29 Mbit/s
95th percentile per-packet one-way delay: 2.063 ms
Loss rate: 0.07%

Run 5: Report of PCC — Data Link

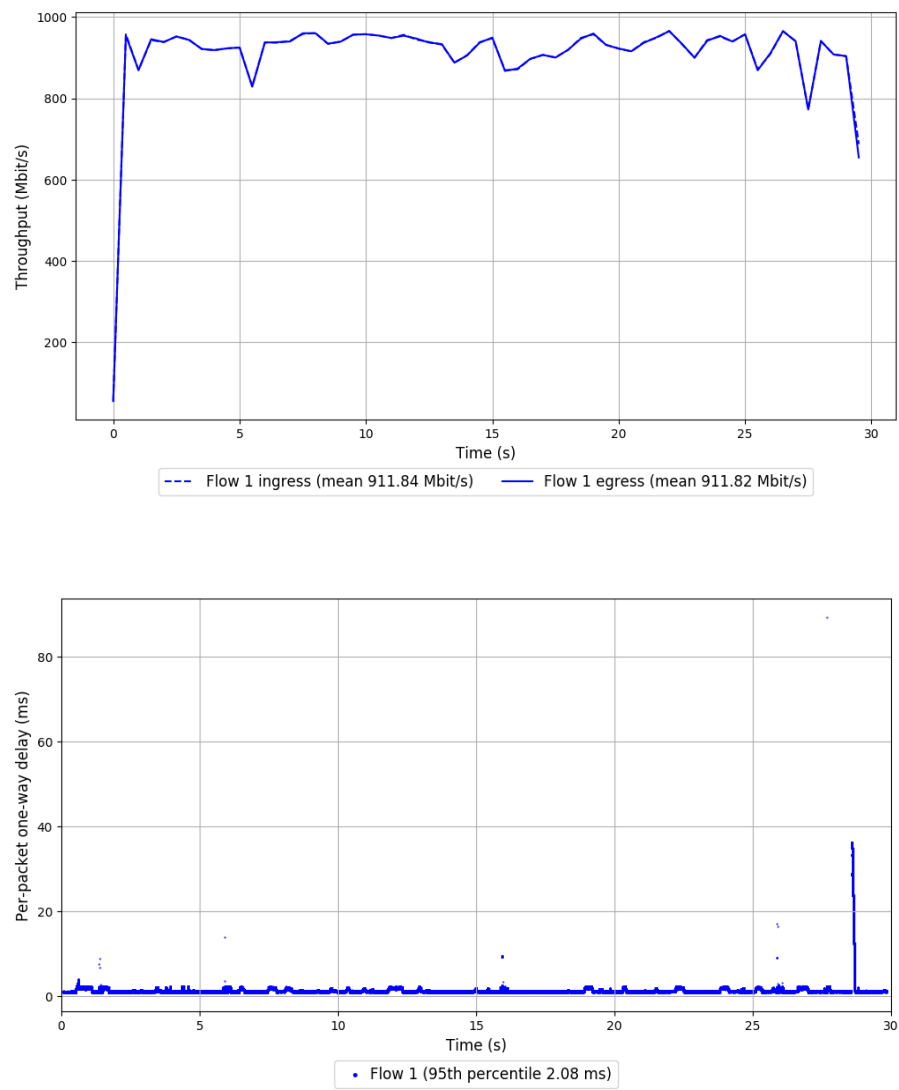


Run 6: Statistics of PCC

Start at: 2018-01-16 12:12:24
End at: 2018-01-16 12:12:54
Local clock offset: -5.018 ms
Remote clock offset: -2.024 ms

Below is generated by plot.py at 2018-01-16 19:28:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 911.82 Mbit/s
95th percentile per-packet one-way delay: 2.083 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 911.82 Mbit/s
95th percentile per-packet one-way delay: 2.083 ms
Loss rate: 0.06%

Run 6: Report of PCC — Data Link

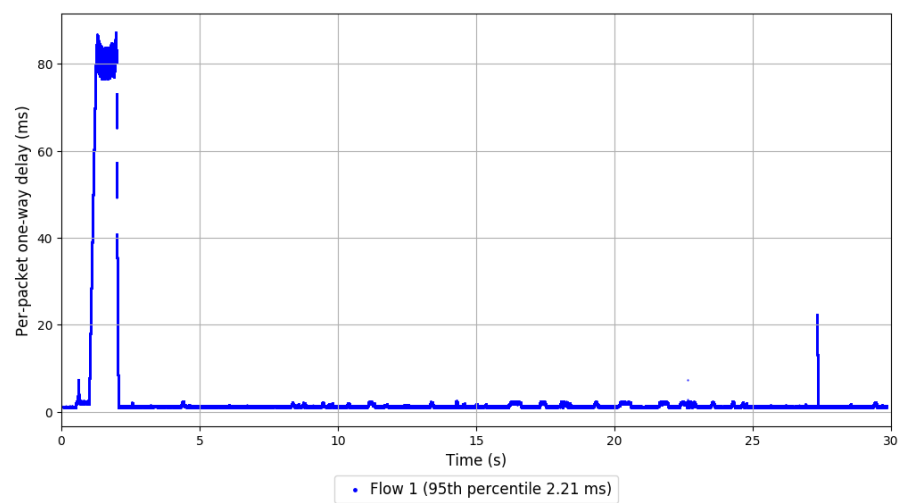
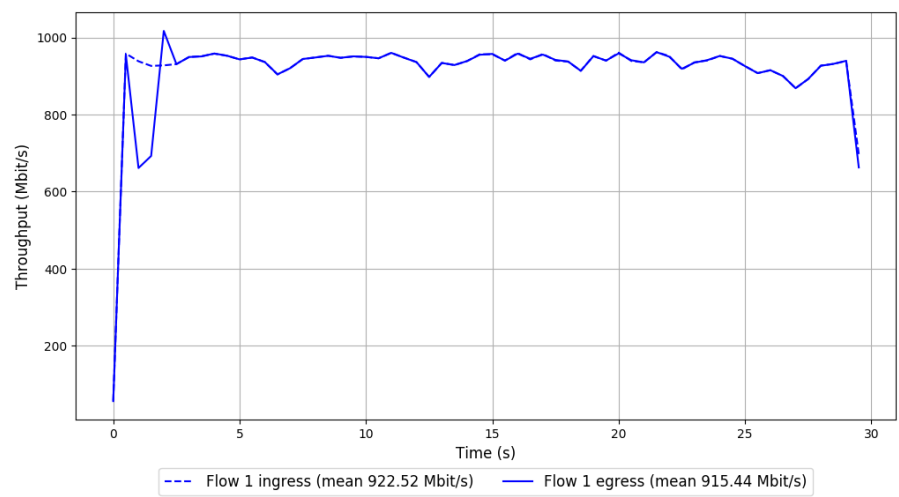


Run 7: Statistics of PCC

Start at: 2018-01-16 12:38:22
End at: 2018-01-16 12:38:52
Local clock offset: -5.021 ms
Remote clock offset: -1.916 ms

Below is generated by plot.py at 2018-01-16 19:28:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 915.44 Mbit/s
95th percentile per-packet one-way delay: 2.205 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 915.44 Mbit/s
95th percentile per-packet one-way delay: 2.205 ms
Loss rate: 0.83%

Run 7: Report of PCC — Data Link

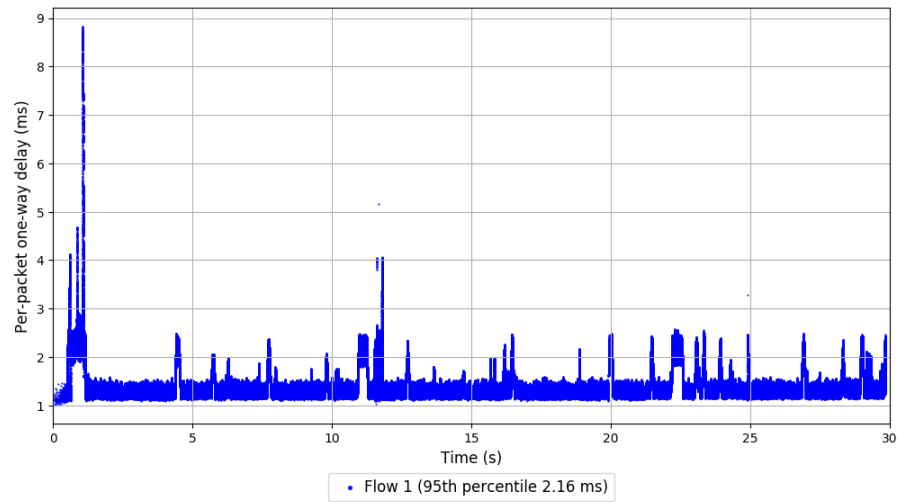
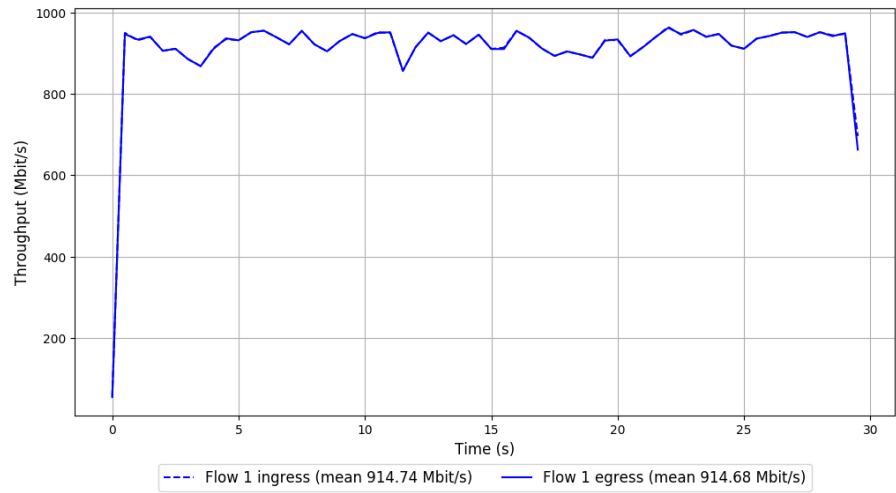


Run 8: Statistics of PCC

Start at: 2018-01-16 13:03:44
End at: 2018-01-16 13:04:14
Local clock offset: -5.233 ms
Remote clock offset: -1.834 ms

Below is generated by plot.py at 2018-01-16 19:29:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 914.68 Mbit/s
95th percentile per-packet one-way delay: 2.161 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 914.68 Mbit/s
95th percentile per-packet one-way delay: 2.161 ms
Loss rate: 0.07%

Run 8: Report of PCC — Data Link

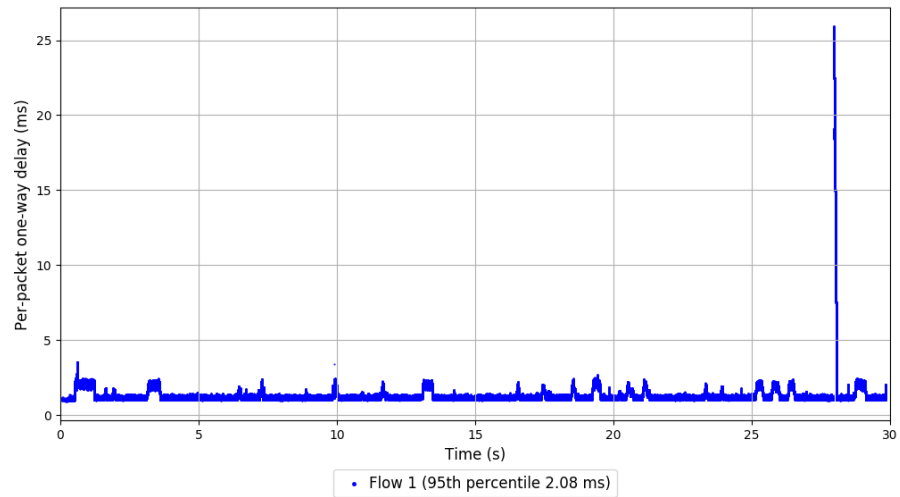
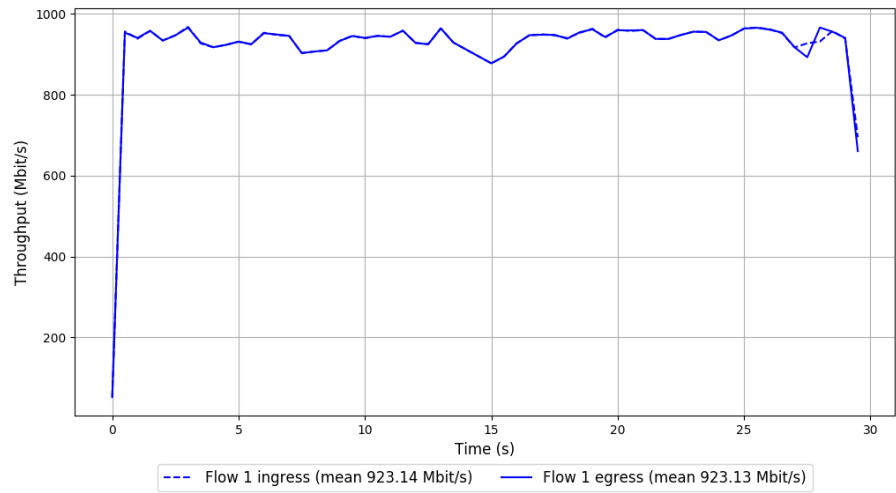


Run 9: Statistics of PCC

Start at: 2018-01-16 13:29:32
End at: 2018-01-16 13:30:02
Local clock offset: -4.758 ms
Remote clock offset: -1.568 ms

Below is generated by plot.py at 2018-01-16 19:38:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 923.13 Mbit/s
95th percentile per-packet one-way delay: 2.083 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 923.13 Mbit/s
95th percentile per-packet one-way delay: 2.083 ms
Loss rate: 0.07%

Run 9: Report of PCC — Data Link

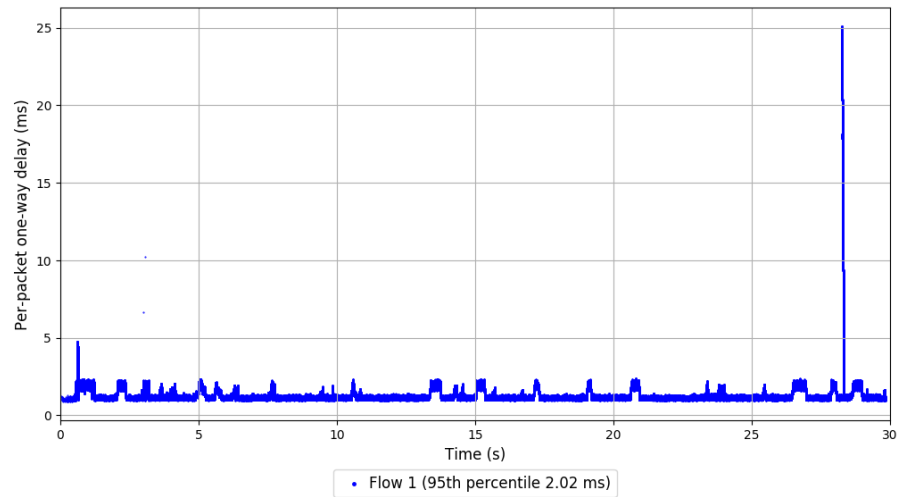
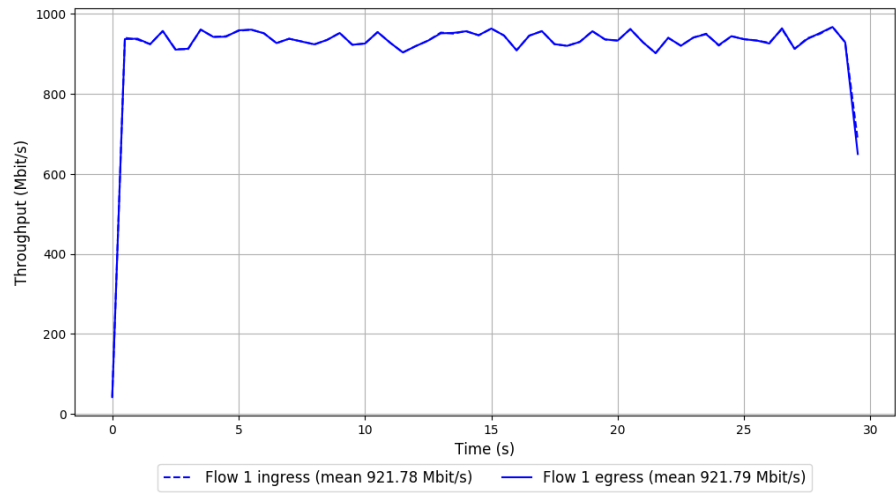


Run 10: Statistics of PCC

Start at: 2018-01-16 13:55:19
End at: 2018-01-16 13:55:49
Local clock offset: -4.453 ms
Remote clock offset: -1.538 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 921.79 Mbit/s
95th percentile per-packet one-way delay: 2.021 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 921.79 Mbit/s
95th percentile per-packet one-way delay: 2.021 ms
Loss rate: 0.07%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 10:20:07

End at: 2018-01-16 10:20:37

Local clock offset: -4.997 ms

Remote clock offset: -2.83 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.32 Mbit/s

95th percentile per-packet one-way delay: 1.192 ms

Loss rate: 0.07%

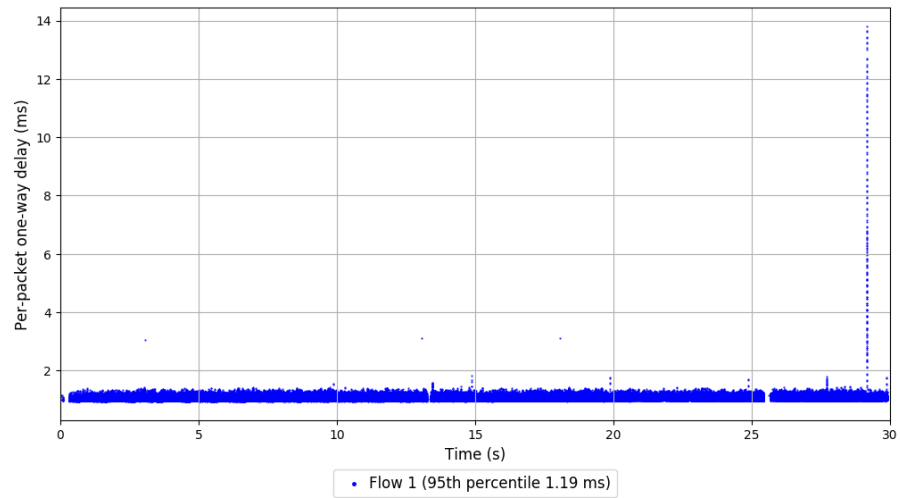
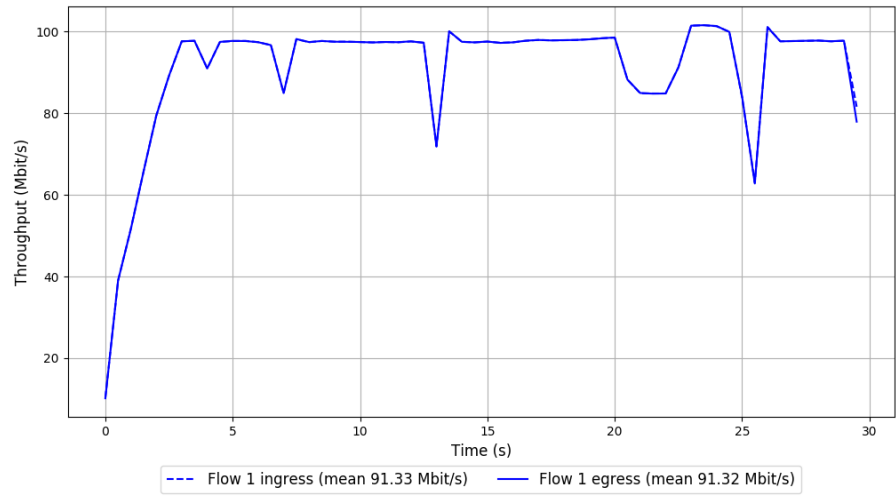
-- Flow 1:

Average throughput: 91.32 Mbit/s

95th percentile per-packet one-way delay: 1.192 ms

Loss rate: 0.07%

Run 1: Report of QUIC Cubic — Data Link

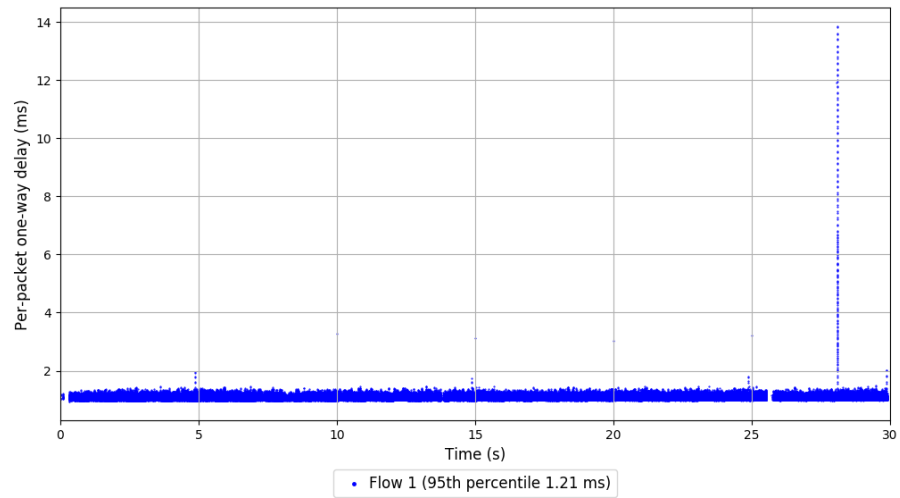
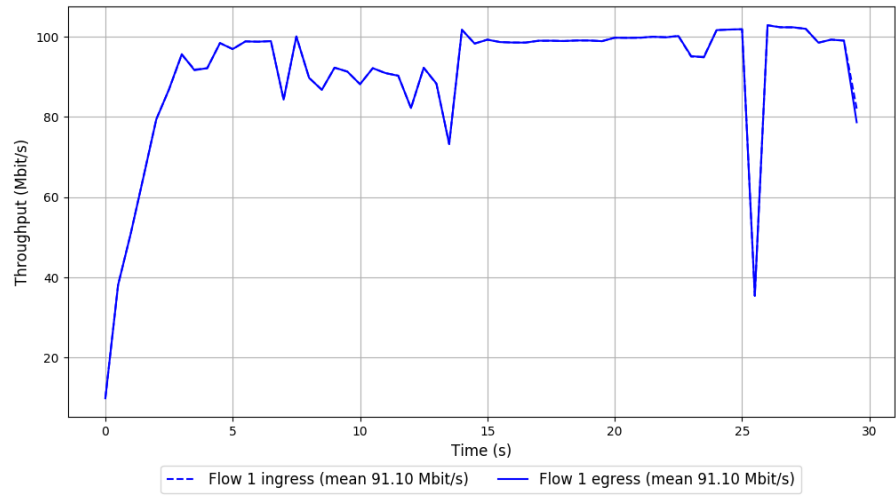


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 10:45:41
End at: 2018-01-16 10:46:11
Local clock offset: -5.092 ms
Remote clock offset: -2.114 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.07%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-16 11:11:55

End at: 2018-01-16 11:12:25

Local clock offset: -5.126 ms

Remote clock offset: -1.39 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.13 Mbit/s

95th percentile per-packet one-way delay: 1.196 ms

Loss rate: 0.06%

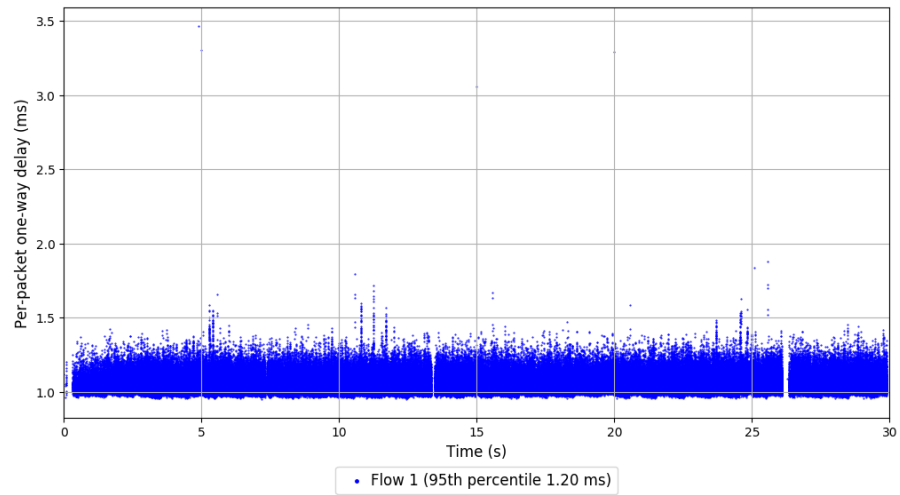
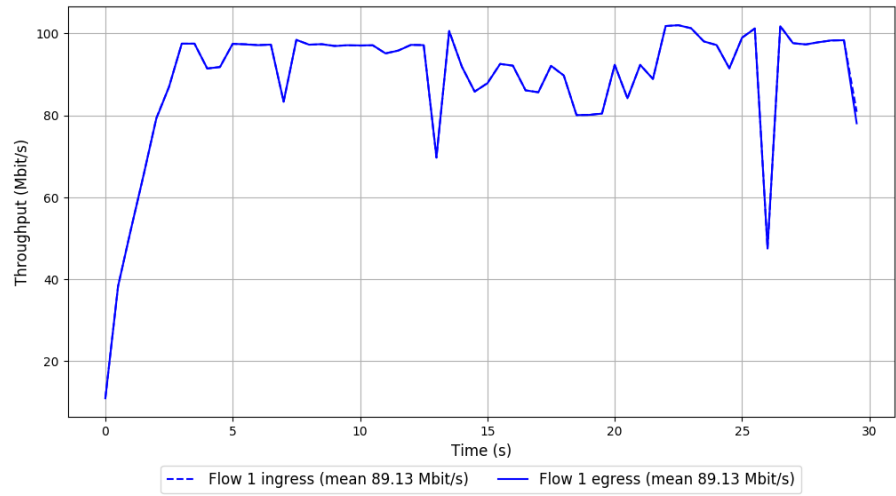
-- Flow 1:

Average throughput: 89.13 Mbit/s

95th percentile per-packet one-way delay: 1.196 ms

Loss rate: 0.06%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-16 11:38:04

End at: 2018-01-16 11:38:34

Local clock offset: -5.196 ms

Remote clock offset: -1.489 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.31 Mbit/s

95th percentile per-packet one-way delay: 1.040 ms

Loss rate: 0.07%

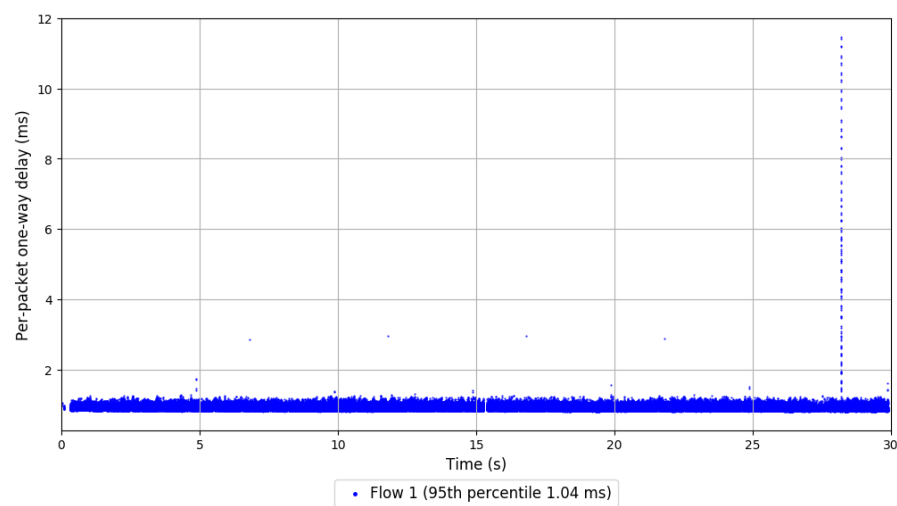
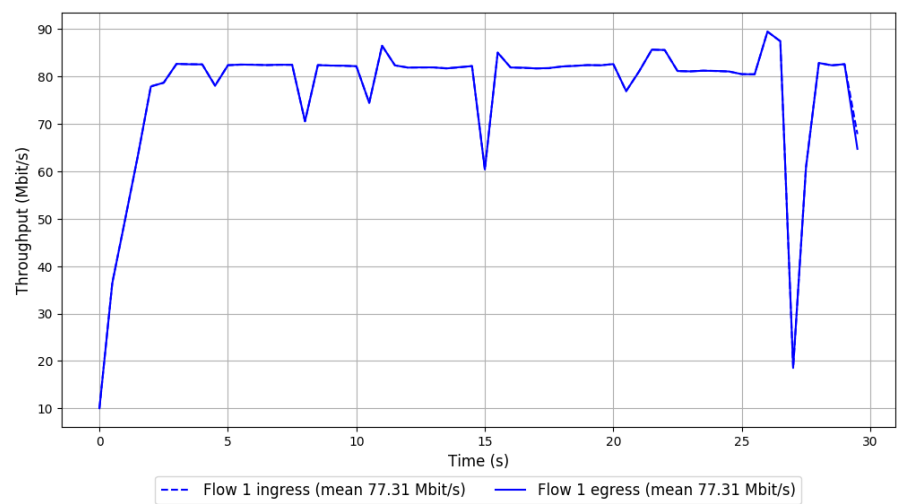
-- Flow 1:

Average throughput: 77.31 Mbit/s

95th percentile per-packet one-way delay: 1.040 ms

Loss rate: 0.07%

Run 4: Report of QUIC Cubic — Data Link

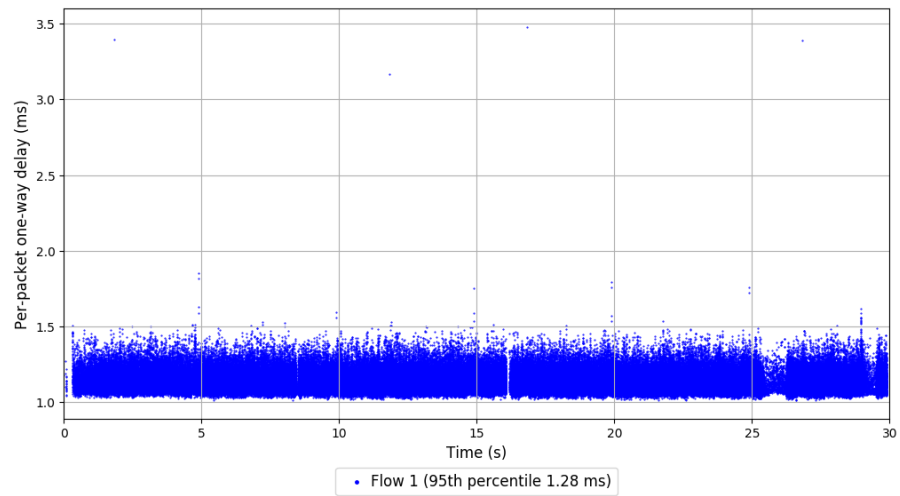
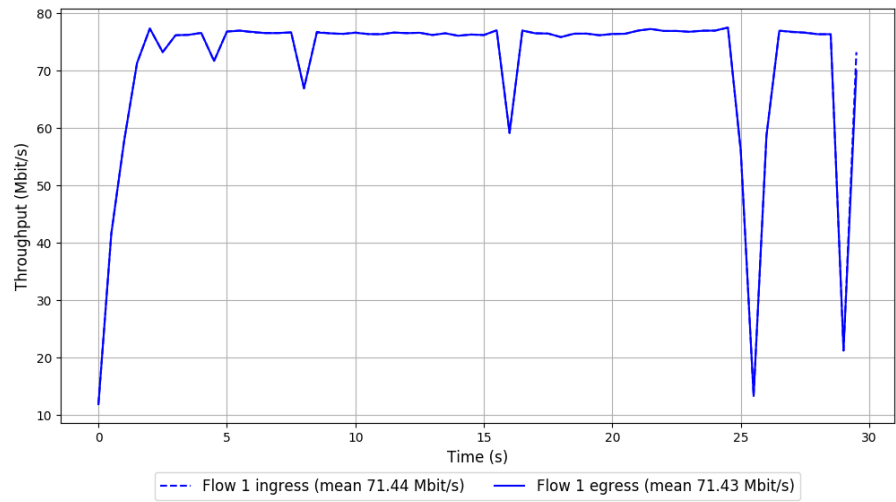


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-16 12:03:13
End at: 2018-01-16 12:03:43
Local clock offset: -4.955 ms
Remote clock offset: -2.146 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.43 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 71.43 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.08%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-16 12:28:42

End at: 2018-01-16 12:29:12

Local clock offset: -5.016 ms

Remote clock offset: -1.736 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.53 Mbit/s

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

Loss rate: 0.07%

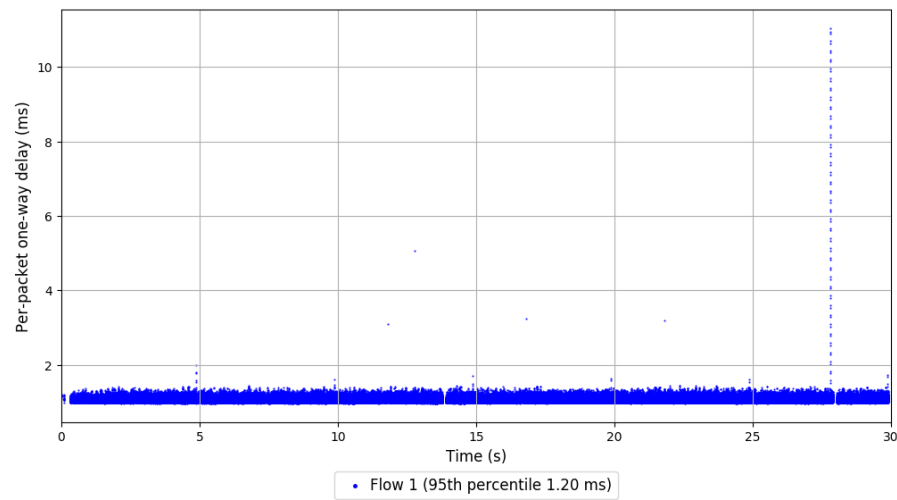
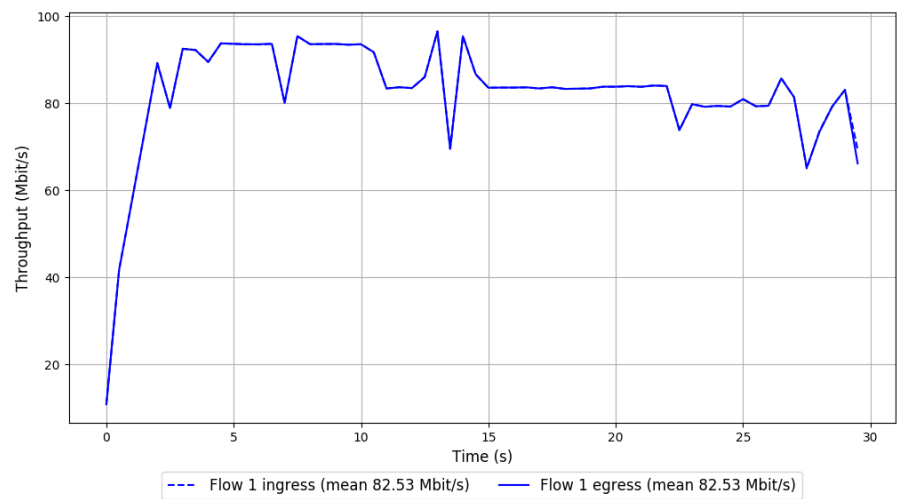
-- Flow 1:

Average throughput: 82.53 Mbit/s

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

Loss rate: 0.07%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-16 12:54:34

End at: 2018-01-16 12:55:04

Local clock offset: -5.137 ms

Remote clock offset: -1.947 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 1.285 ms

Loss rate: 0.07%

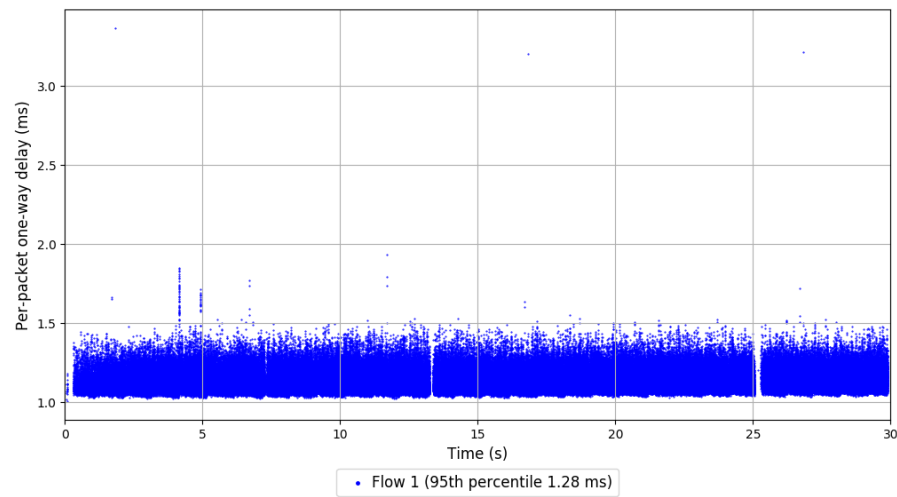
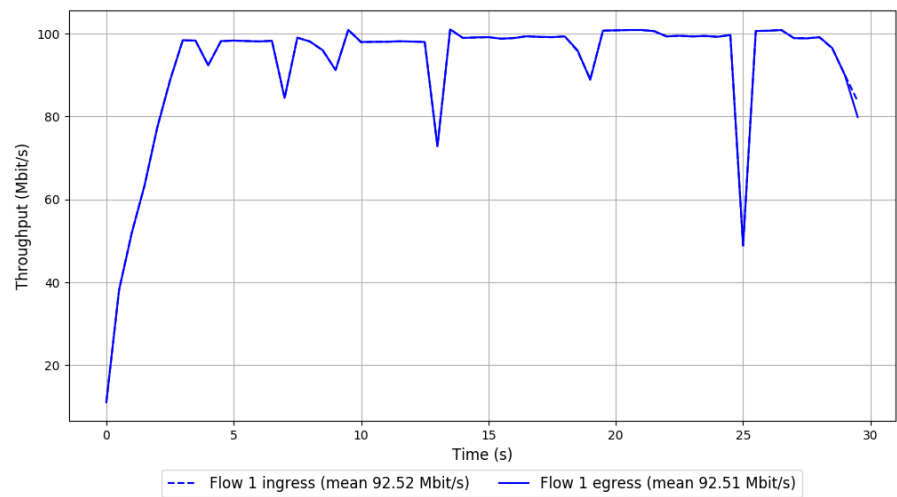
-- Flow 1:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 1.285 ms

Loss rate: 0.07%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-16 13:19:46

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

Local clock offset: -4.983 ms

Remote clock offset: -1.651 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 1.074 ms

Loss rate: 0.09%

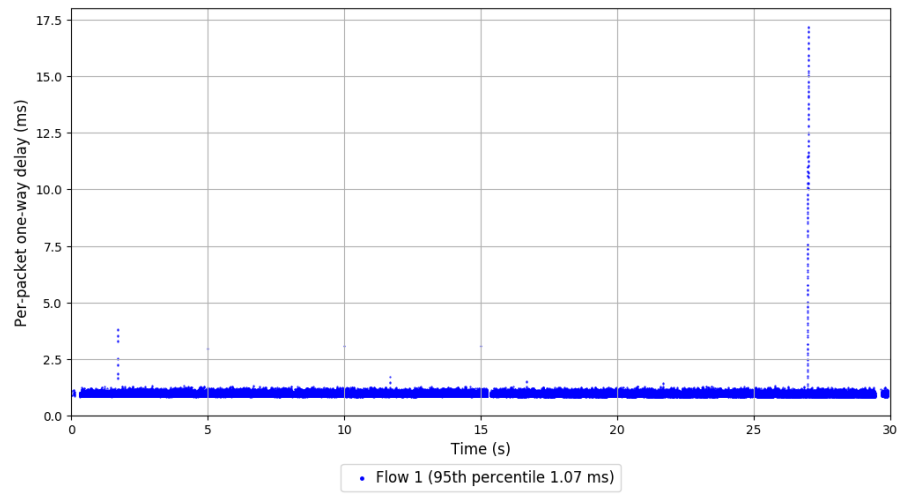
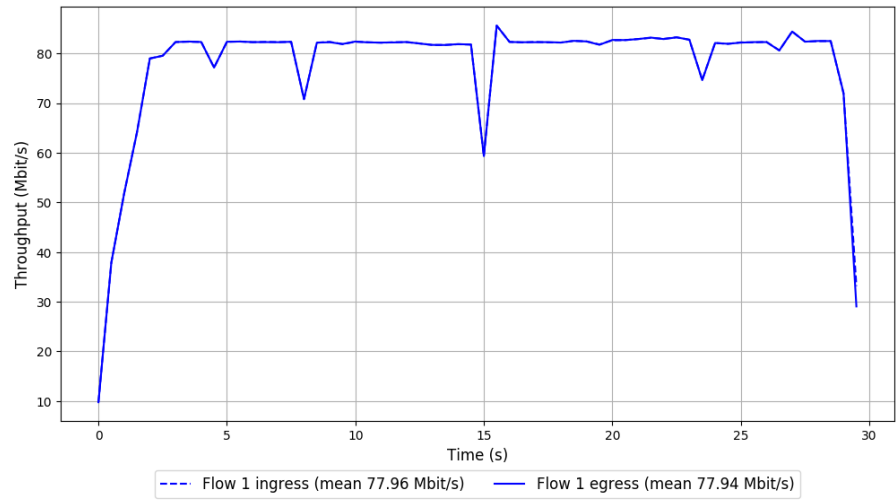
-- Flow 1:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 1.074 ms

Loss rate: 0.09%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-16 13:45:42

End at: 2018-01-16 13:46:12

Local clock offset: -4.393 ms

Remote clock offset: -1.588 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.41 Mbit/s

95th percentile per-packet one-way delay: 1.195 ms

Loss rate: 0.07%

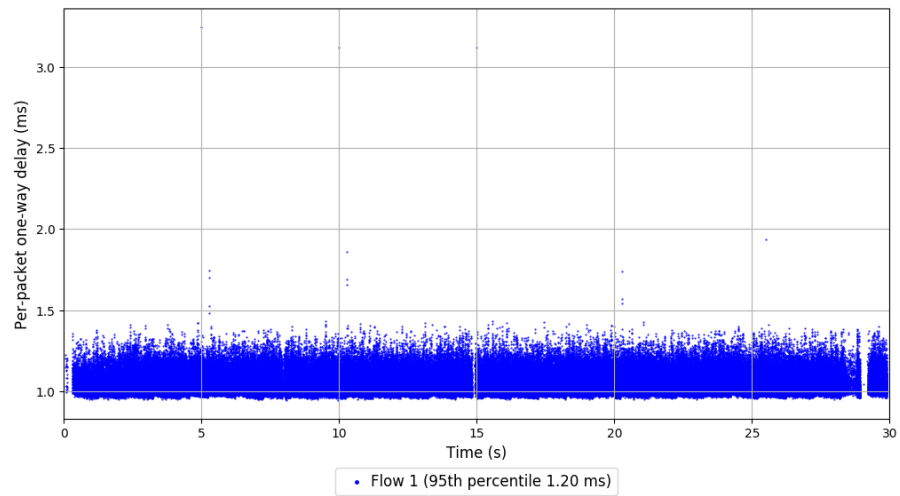
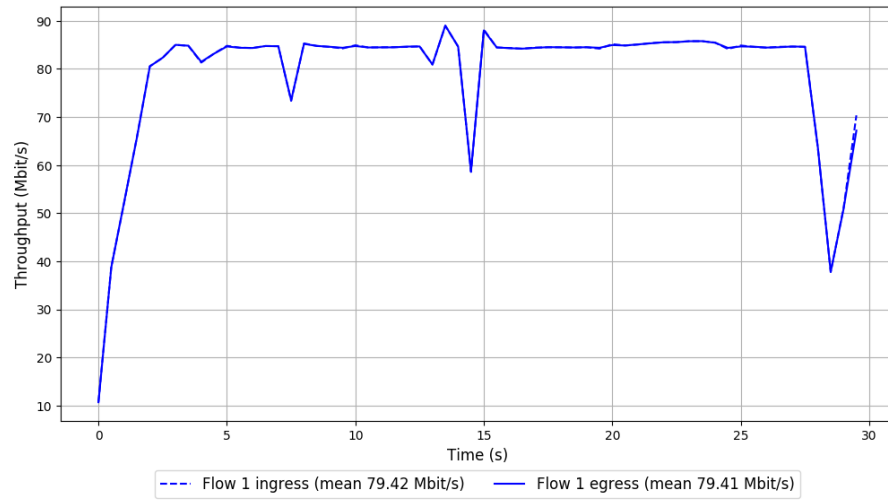
-- Flow 1:

Average throughput: 79.41 Mbit/s

95th percentile per-packet one-way delay: 1.195 ms

Loss rate: 0.07%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-16 14:11:42

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

Local clock offset: -4.055 ms

Remote clock offset: -1.761 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.57 Mbit/s

95th percentile per-packet one-way delay: 1.143 ms

Loss rate: 0.08%

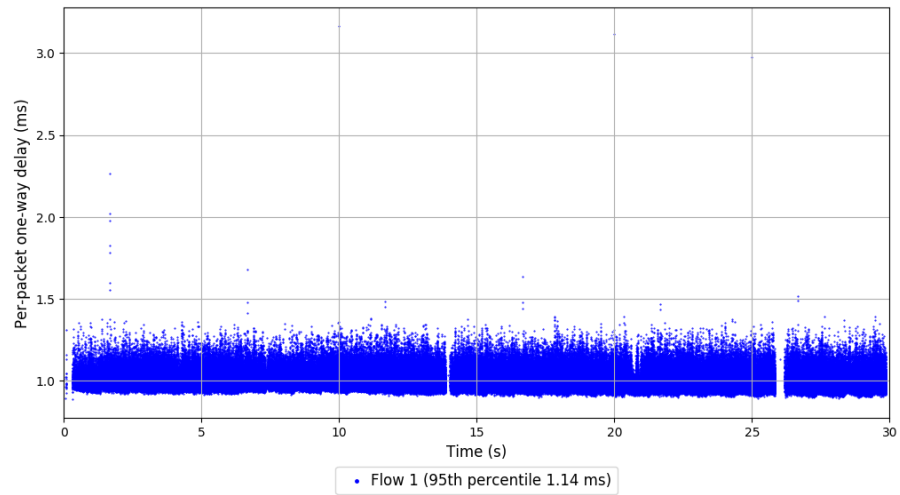
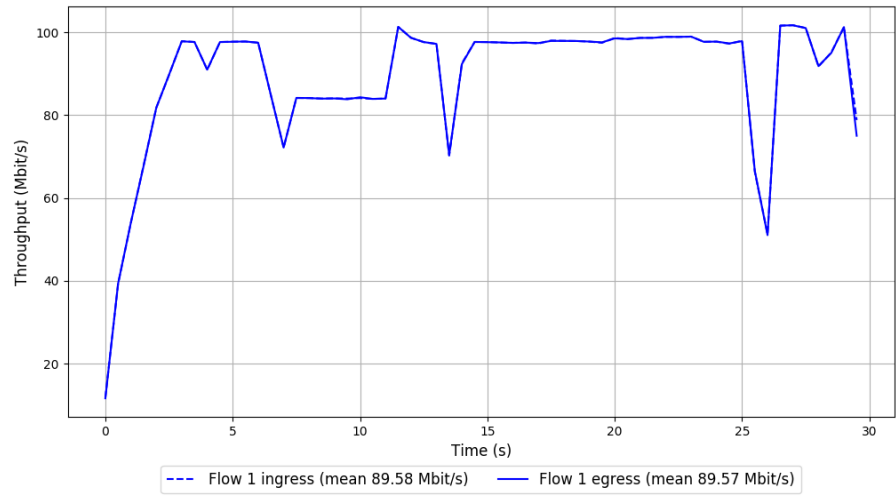
-- Flow 1:

Average throughput: 89.57 Mbit/s

95th percentile per-packet one-way delay: 1.143 ms

Loss rate: 0.08%

Run 10: Report of QUIC Cubic — Data Link

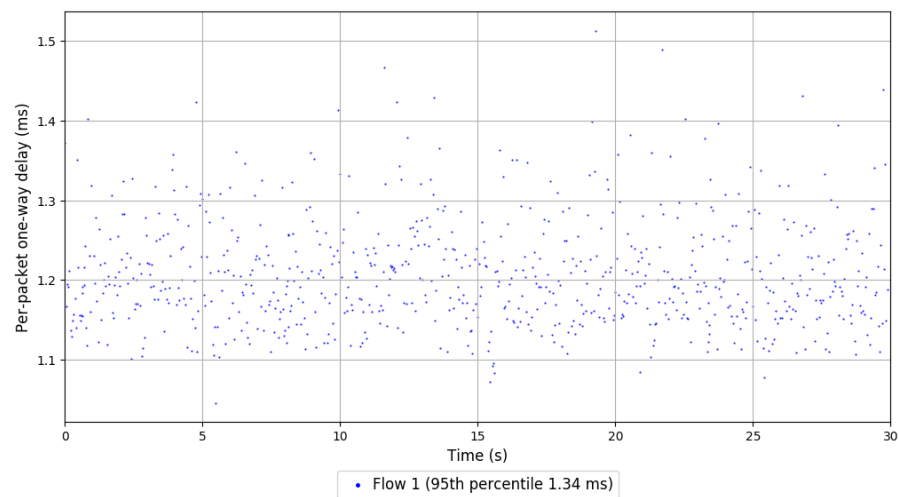
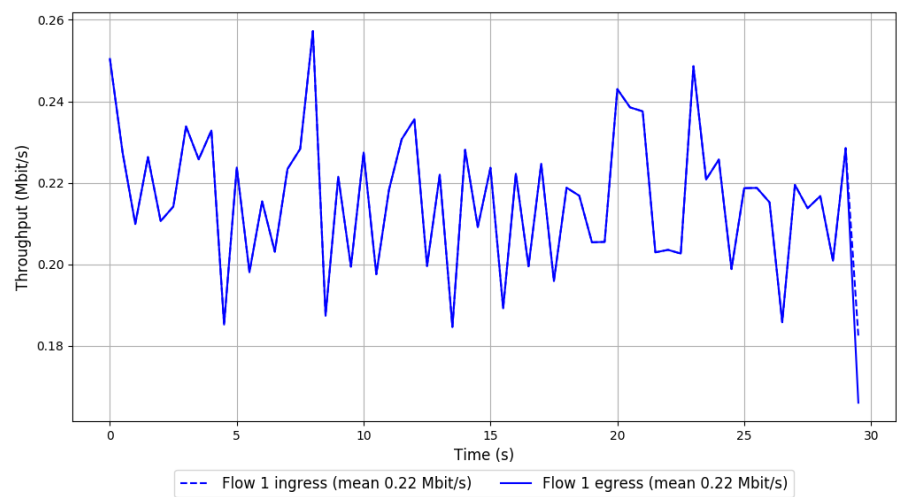


Run 1: Statistics of SCReAM

Start at: 2018-01-16 10:11:49
End at: 2018-01-16 10:12:19
Local clock offset: -4.957 ms
Remote clock offset: -2.948 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

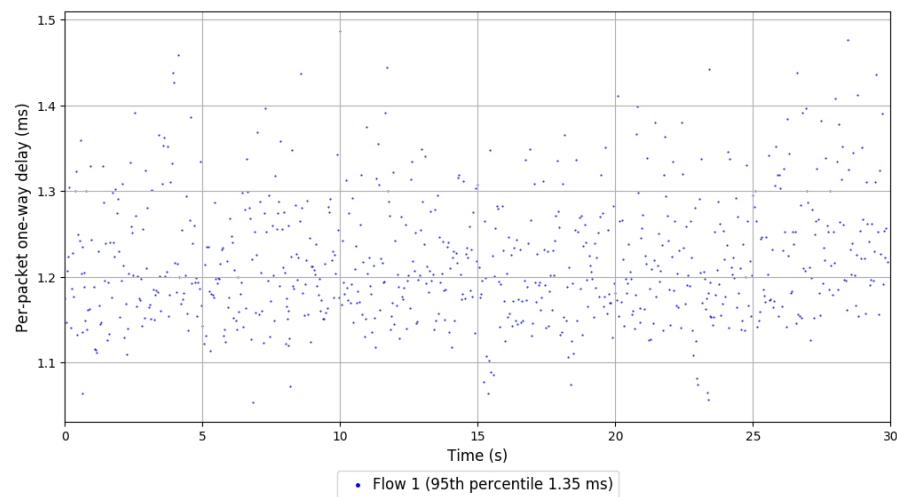
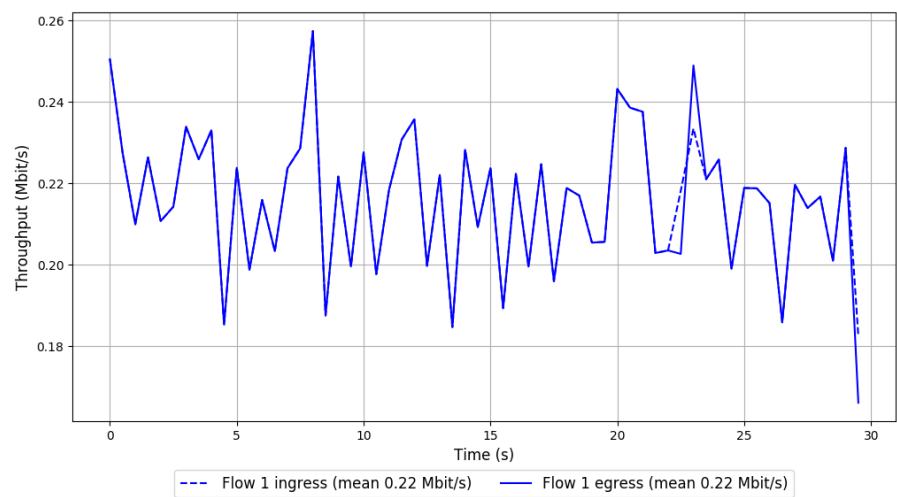


Run 2: Statistics of SCReAM

Start at: 2018-01-16 10:37:37
End at: 2018-01-16 10:38:07
Local clock offset: -5.022 ms
Remote clock offset: -2.356 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.352 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.352 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

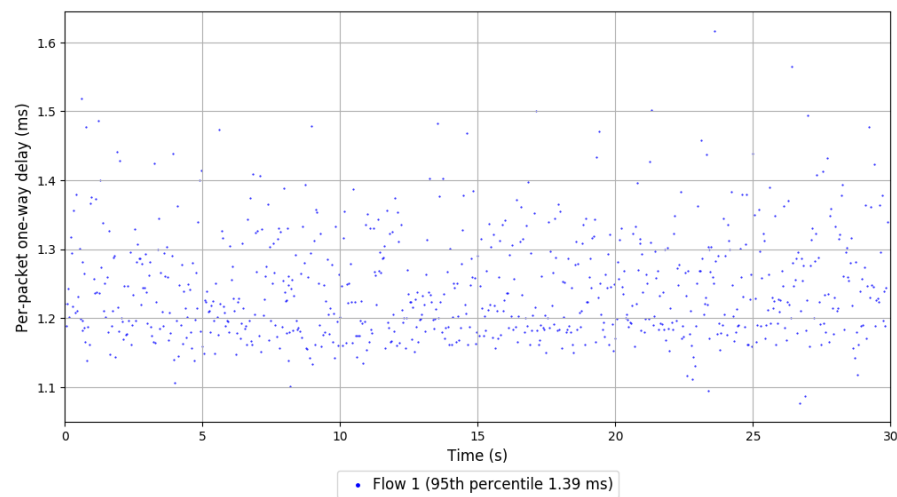
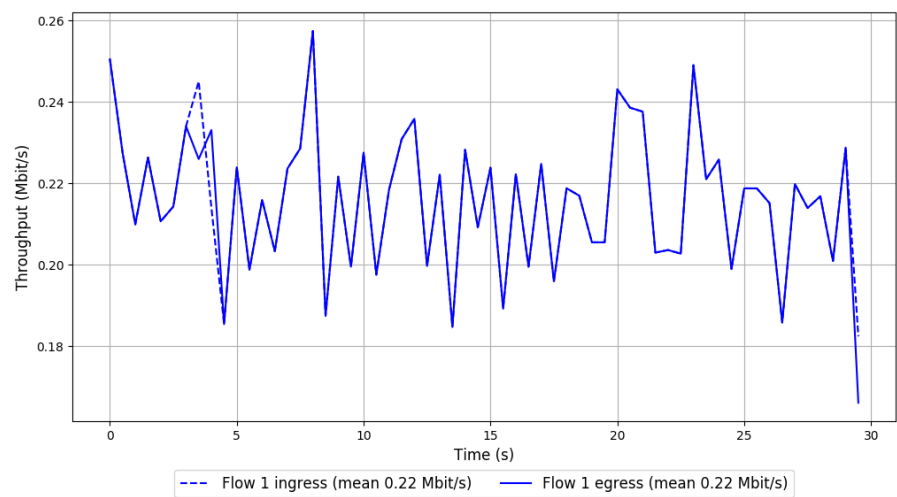


Run 3: Statistics of SCReAM

Start at: 2018-01-16 11:03:29
End at: 2018-01-16 11:03:59
Local clock offset: -5.079 ms
Remote clock offset: -1.601 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.390 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.390 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

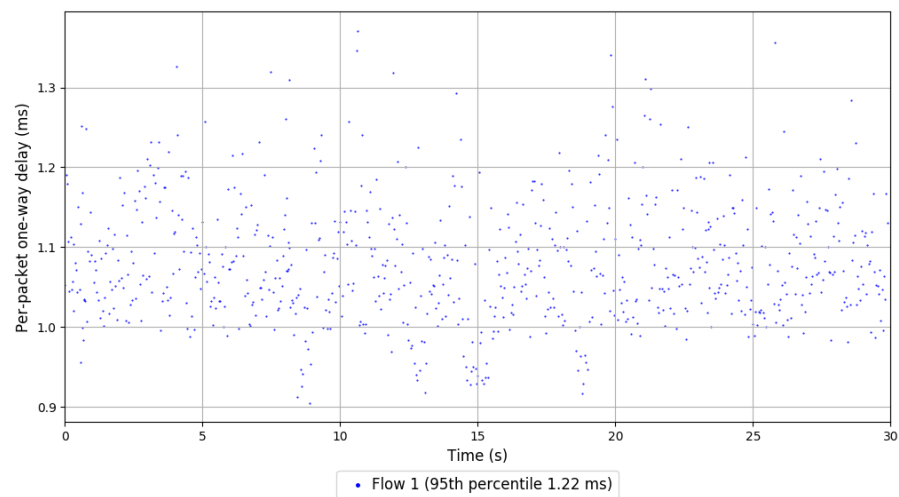
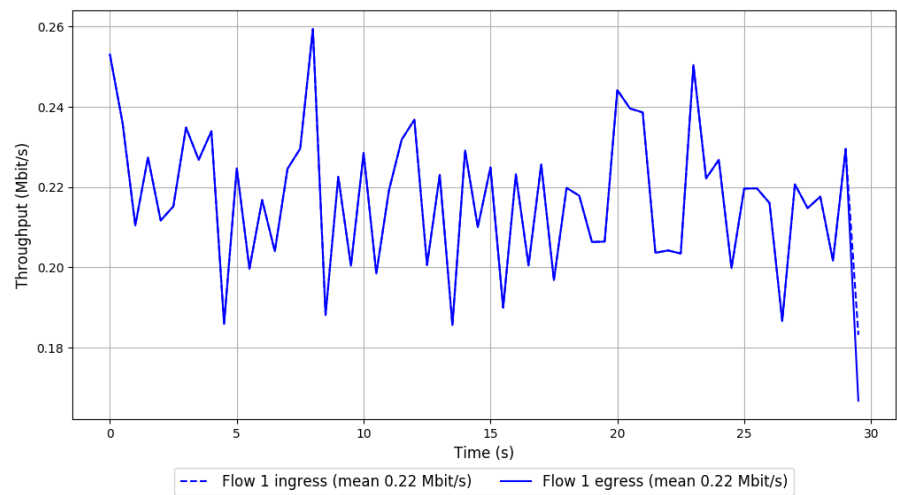


Run 4: Statistics of SCReAM

Start at: 2018-01-16 11:29:39
End at: 2018-01-16 11:30:09
Local clock offset: -5.145 ms
Remote clock offset: -1.297 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-16 11:55:00

End at: 2018-01-16 11:55:30

Local clock offset: -5.013 ms

Remote clock offset: -1.89 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.223 ms

Loss rate: 0.13%

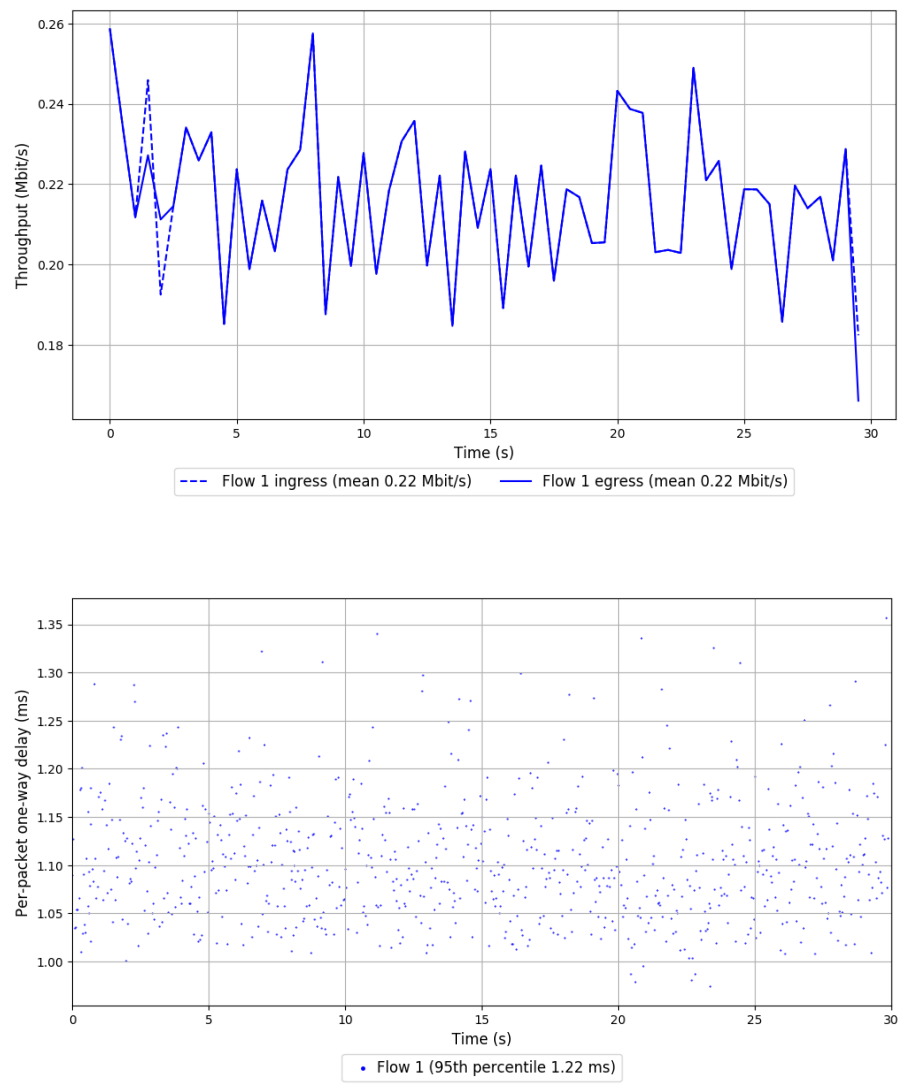
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.223 ms

Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

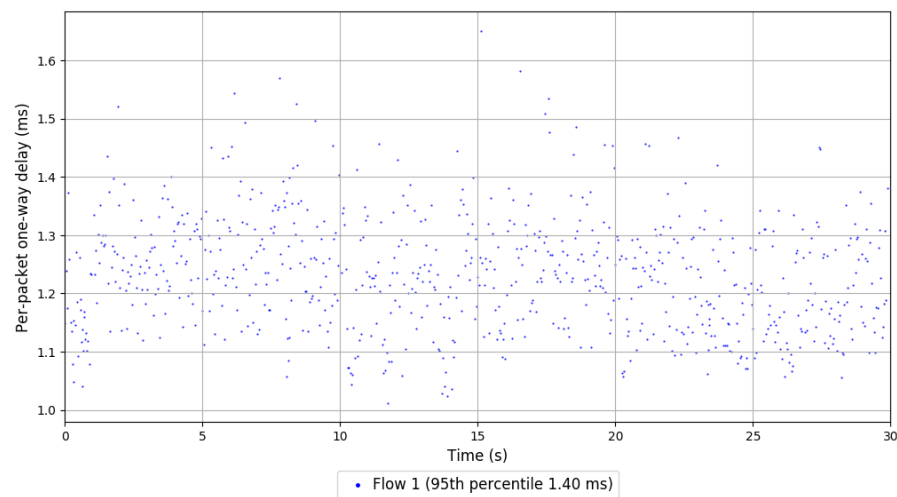
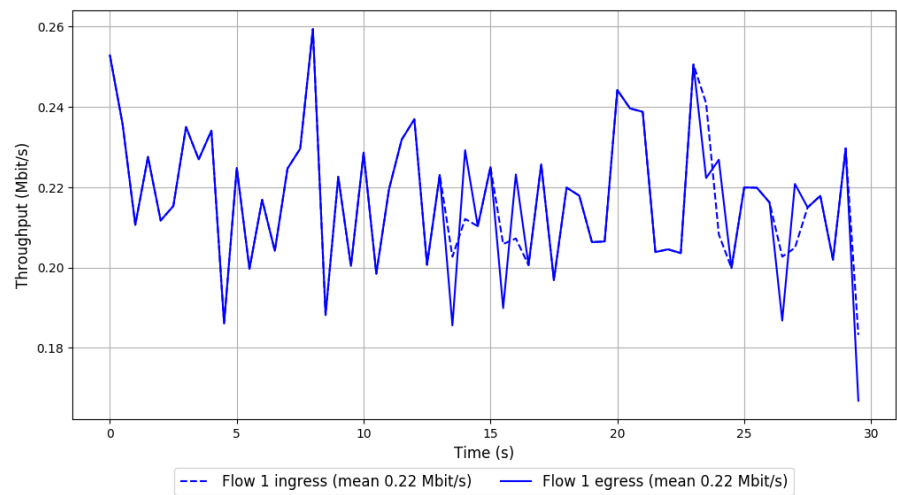


Run 6: Statistics of SCReAM

Start at: 2018-01-16 12:20:15
End at: 2018-01-16 12:20:45
Local clock offset: -4.958 ms
Remote clock offset: -1.864 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.398 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.398 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

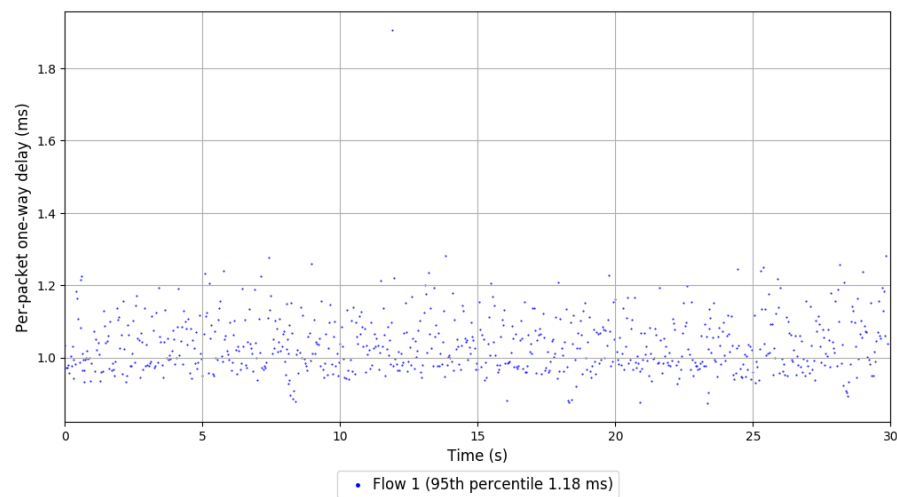
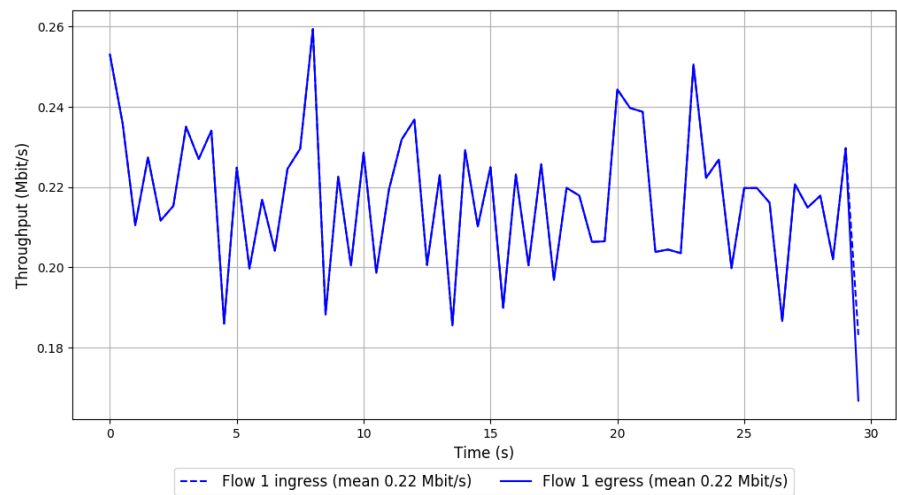


Run 7: Statistics of SCReAM

Start at: 2018-01-16 12:46:21
End at: 2018-01-16 12:46:52
Local clock offset: -5.165 ms
Remote clock offset: -1.963 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

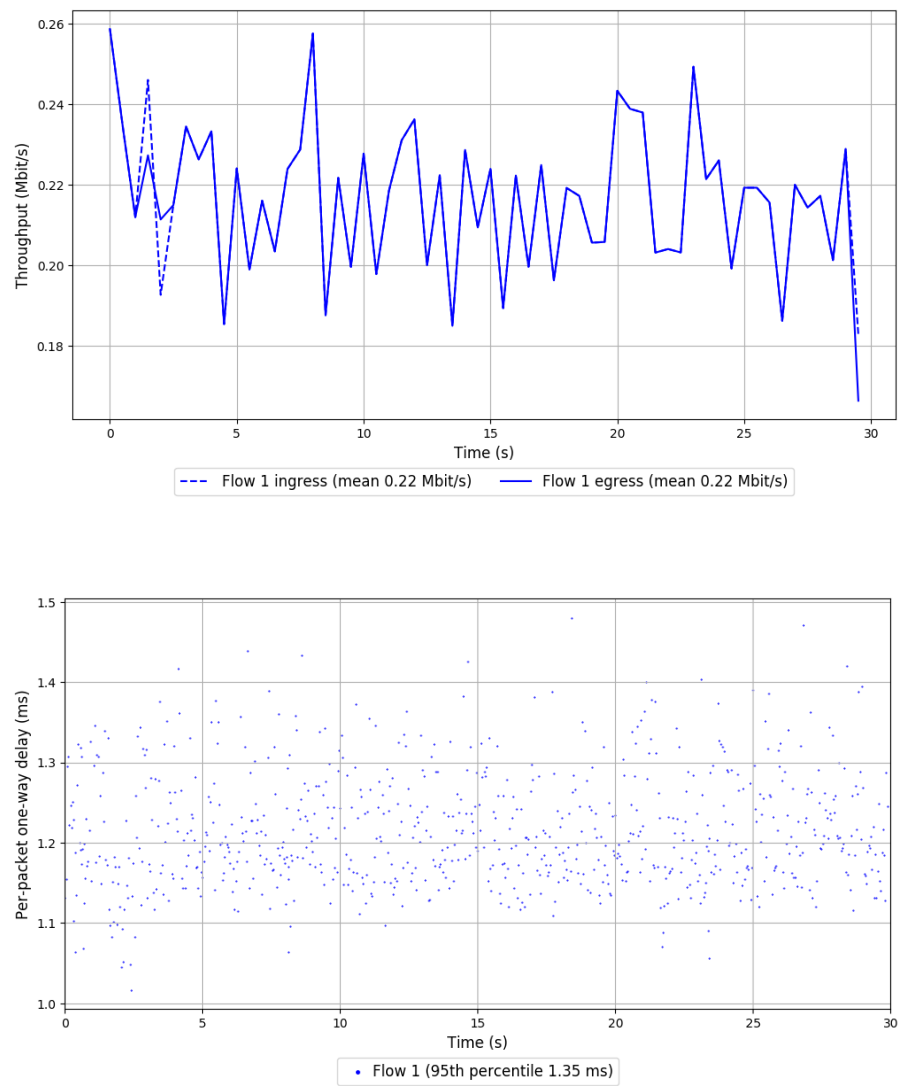


Run 8: Statistics of SCReAM

Start at: 2018-01-16 13:11:36
End at: 2018-01-16 13:12:06
Local clock offset: -5.317 ms
Remote clock offset: -1.713 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.346 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.346 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

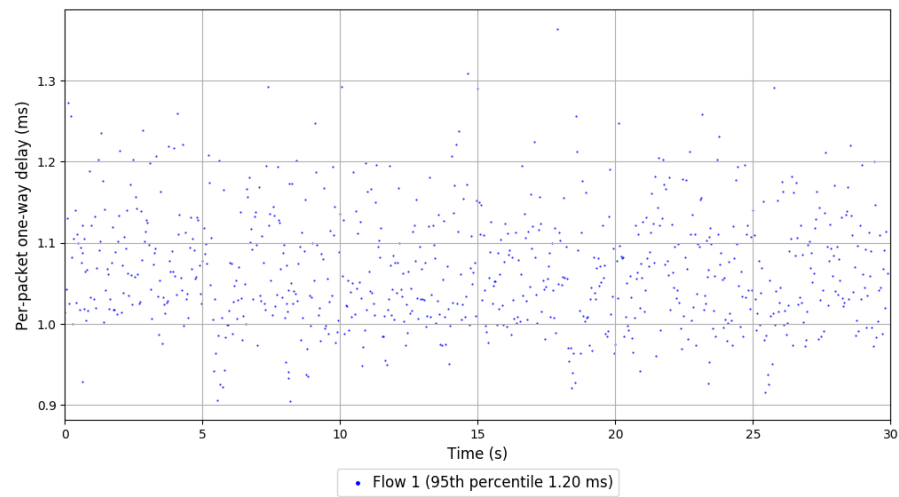
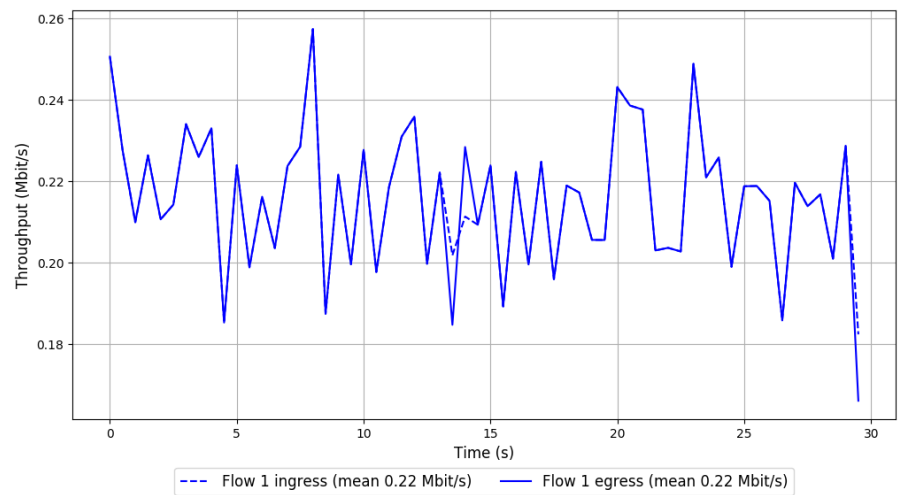


Run 9: Statistics of SCReAM

Start at: 2018-01-16 13:37:17
End at: 2018-01-16 13:37:47
Local clock offset: -4.384 ms
Remote clock offset: -1.573 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link

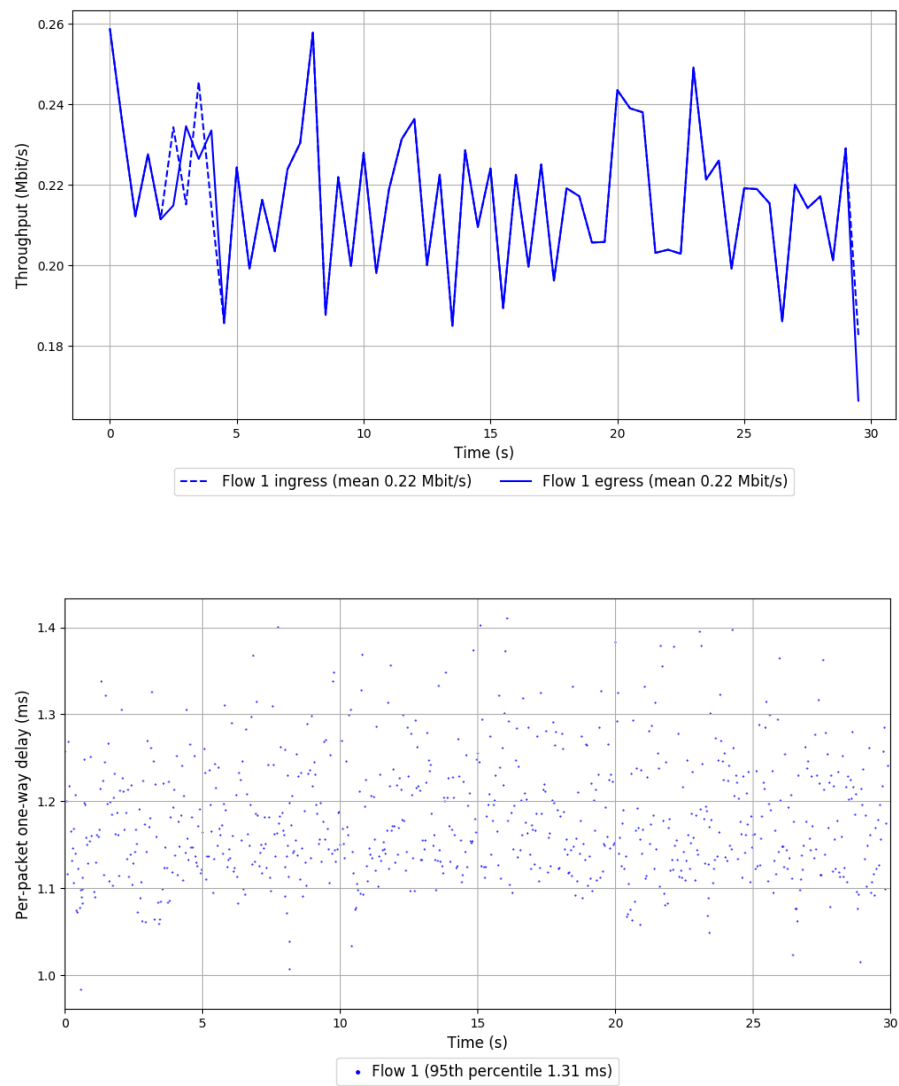


Run 10: Statistics of SReAM

Start at: 2018-01-16 14:03:17
End at: 2018-01-16 14:03:47
Local clock offset: -4.404 ms
Remote clock offset: -1.776 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.13%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-01-16 10:15:49

End at: 2018-01-16 10:16:19

Local clock offset: -5.07 ms

Remote clock offset: -2.96 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 1.177 ms

Loss rate: 0.06%

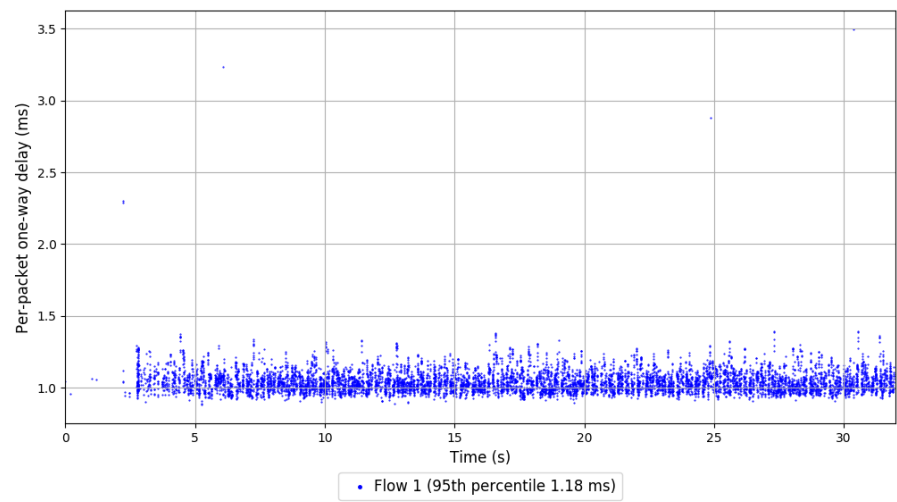
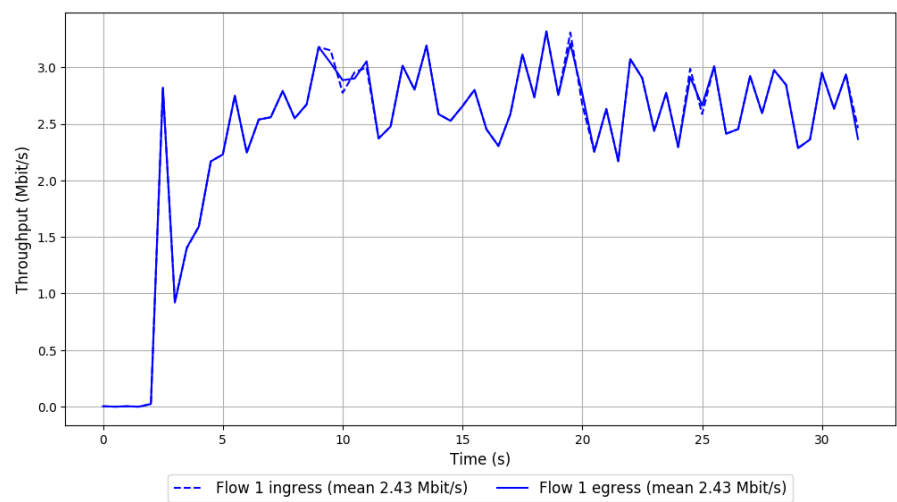
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 1.177 ms

Loss rate: 0.06%

Run 1: Report of WebRTC media — Data Link

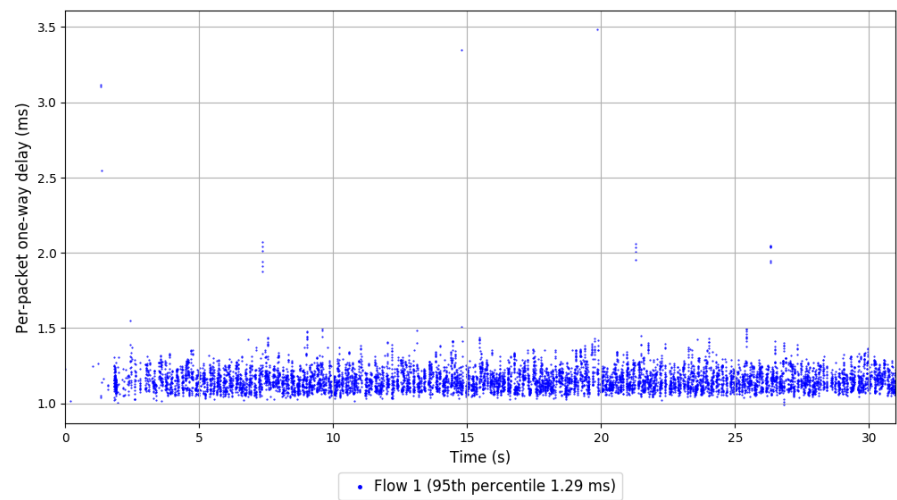
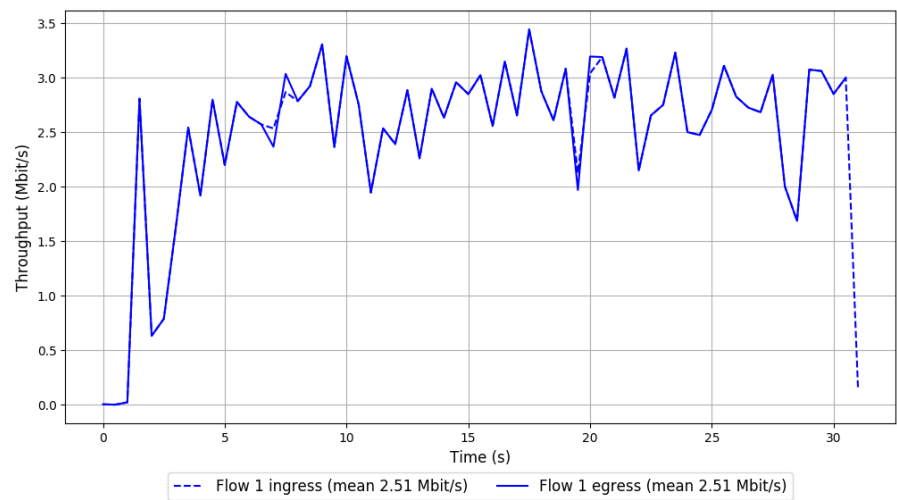


Run 2: Statistics of WebRTC media

Start at: 2018-01-16 10:41:26
End at: 2018-01-16 10:41:56
Local clock offset: -4.997 ms
Remote clock offset: -2.227 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.10%

Run 2: Report of WebRTC media — Data Link

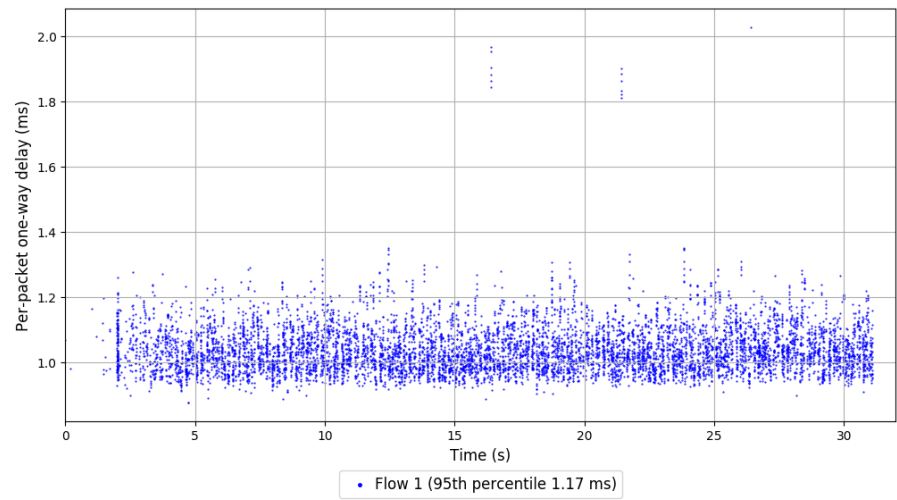
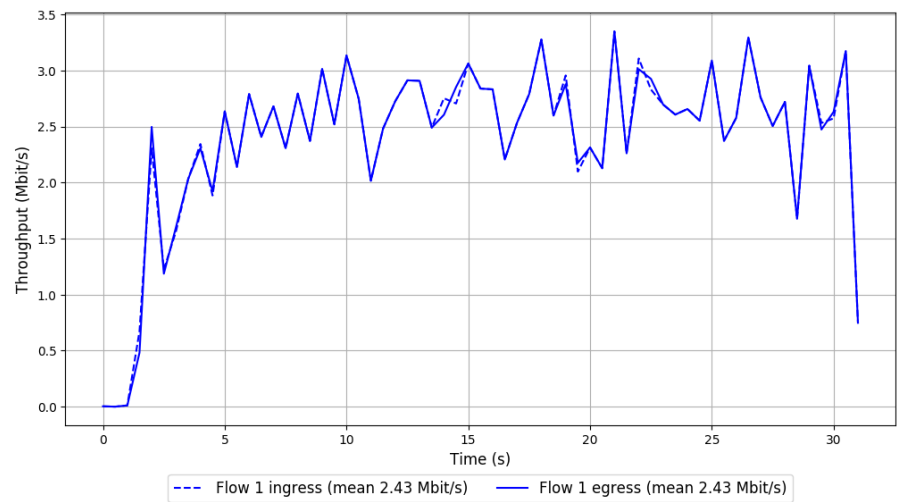


Run 3: Statistics of WebRTC media

Start at: 2018-01-16 11:07:38
End at: 2018-01-16 11:08:08
Local clock offset: -5.092 ms
Remote clock offset: -1.395 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

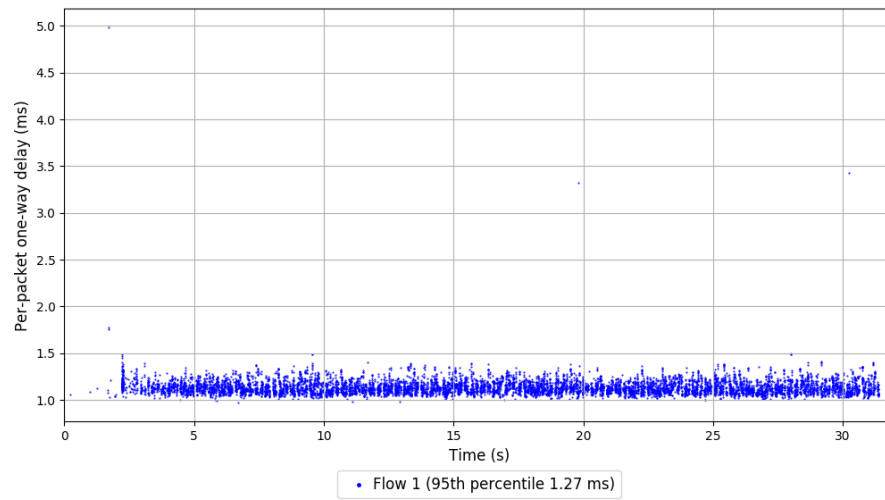
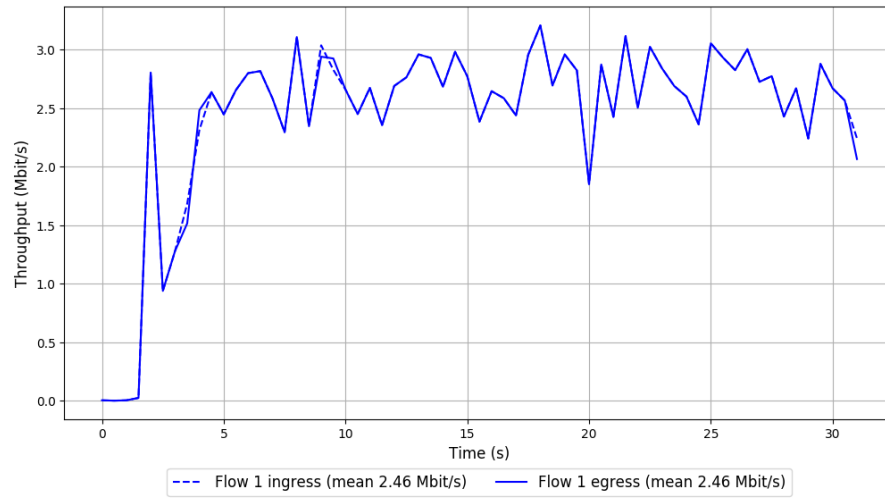


Run 4: Statistics of WebRTC media

Start at: 2018-01-16 11:33:46
End at: 2018-01-16 11:34:16
Local clock offset: -5.129 ms
Remote clock offset: -1.487 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.11%

Run 4: Report of WebRTC media — Data Link

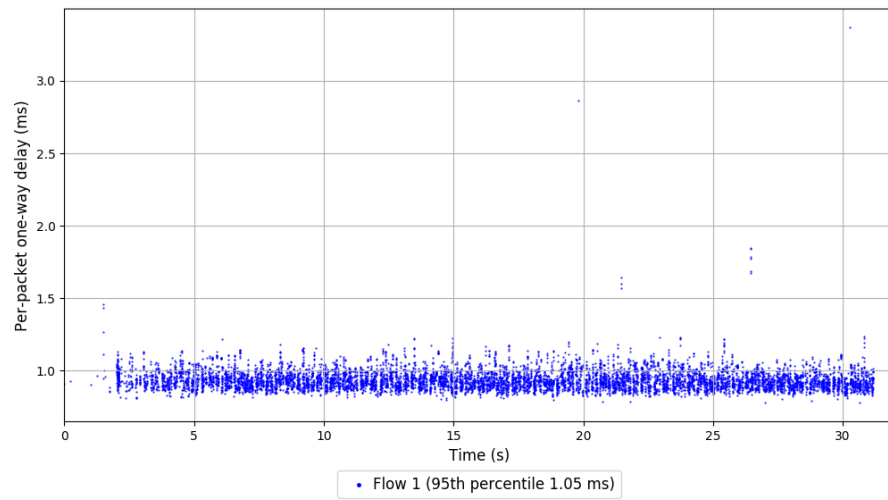
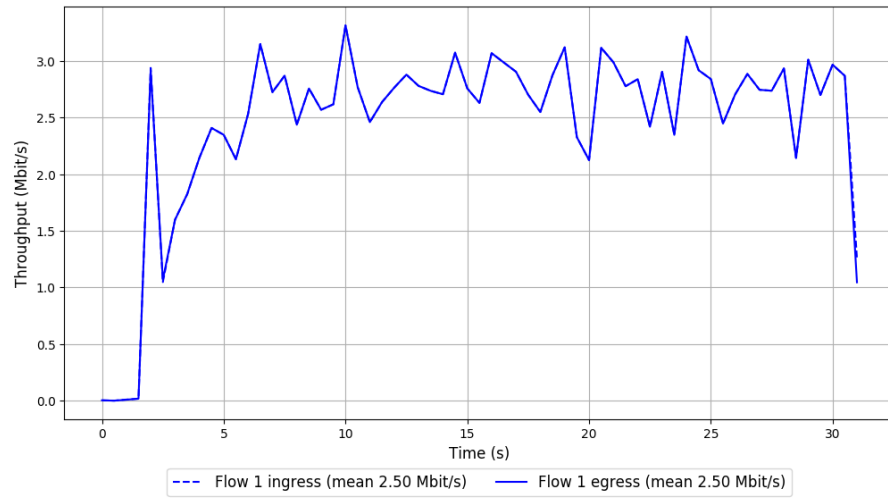


Run 5: Statistics of WebRTC media

Start at: 2018-01-16 11:58:52
End at: 2018-01-16 11:59:22
Local clock offset: -5.067 ms
Remote clock offset: -1.981 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.13%

Run 5: Report of WebRTC media — Data Link

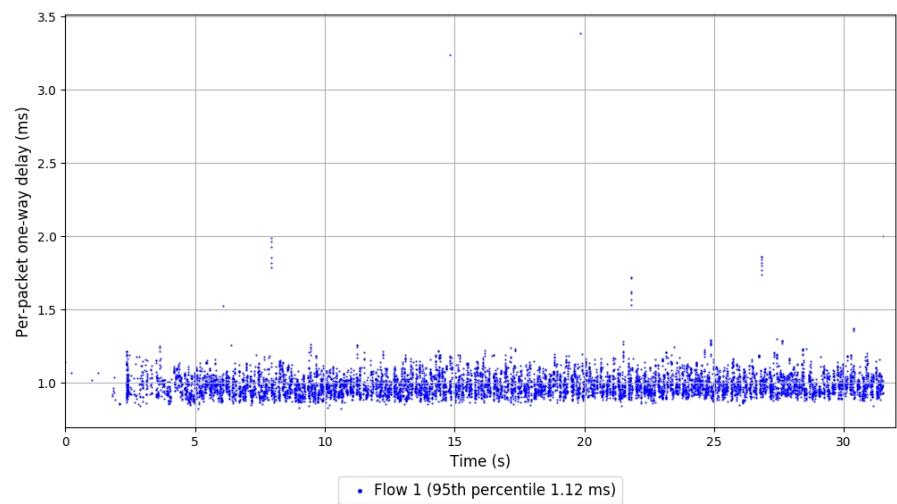
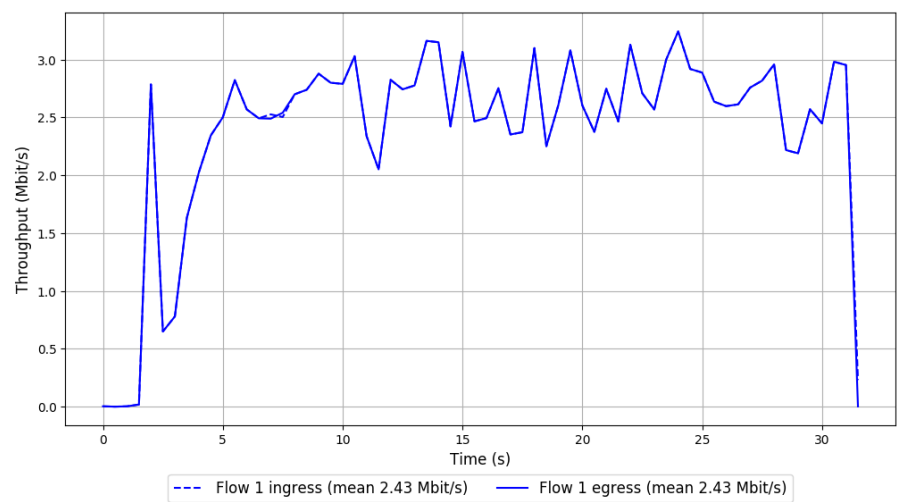


Run 6: Statistics of WebRTC media

Start at: 2018-01-16 12:24:27
End at: 2018-01-16 12:24:57
Local clock offset: -5.075 ms
Remote clock offset: -1.767 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.15%

Run 6: Report of WebRTC media — Data Link

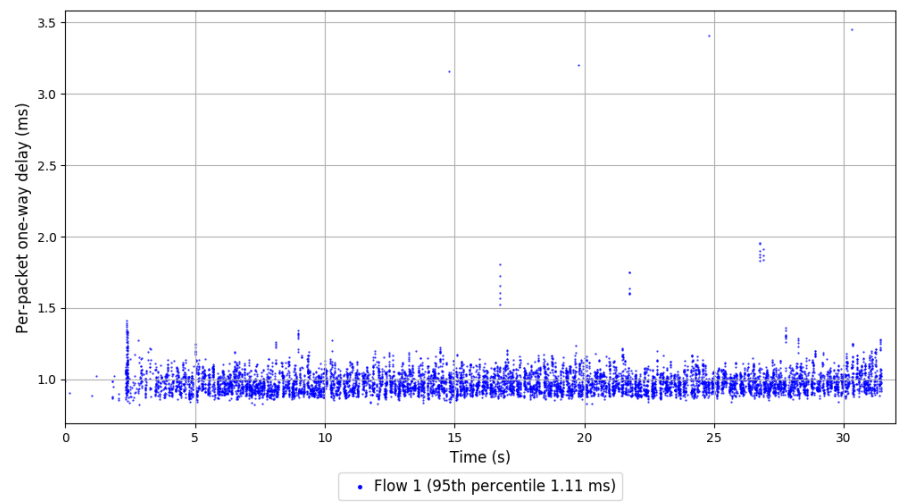
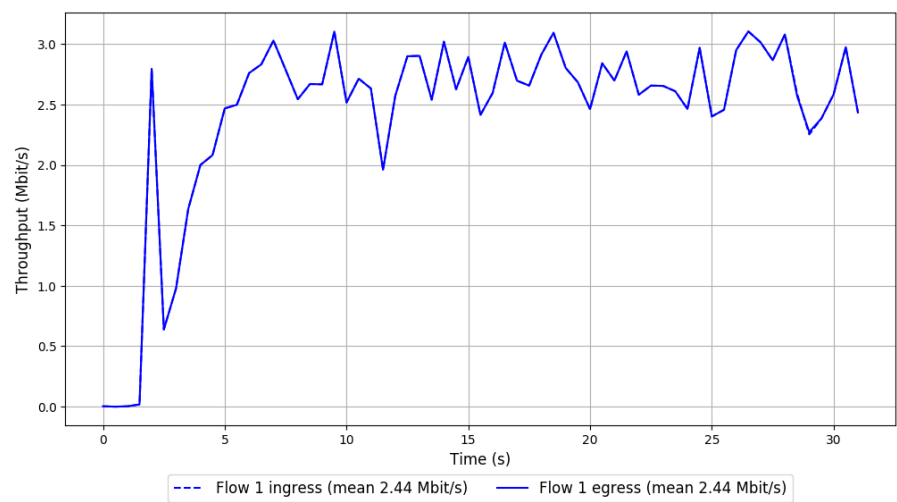


Run 7: Statistics of WebRTC media

Start at: 2018-01-16 12:50:15
End at: 2018-01-16 12:50:45
Local clock offset: -5.195 ms
Remote clock offset: -1.925 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-16 13:15:29

End at: 2018-01-16 13:15:59

Local clock offset: -5.241 ms

Remote clock offset: -1.73 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 1.163 ms

Loss rate: 0.09%

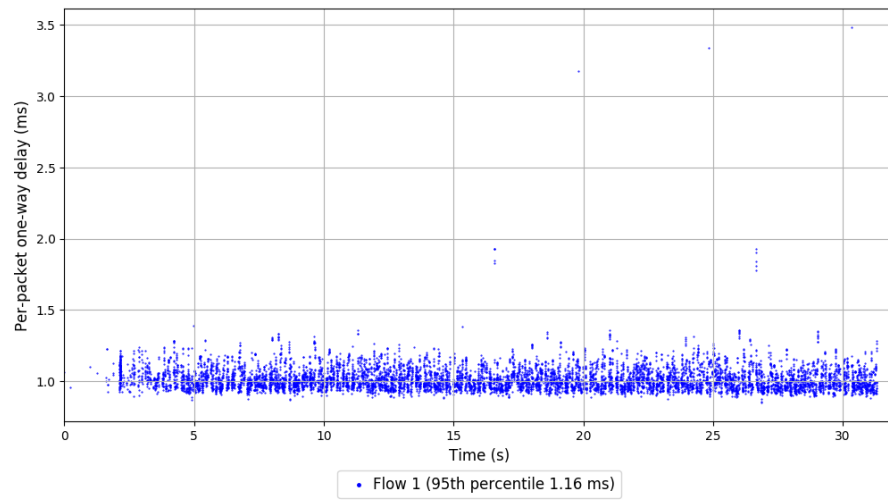
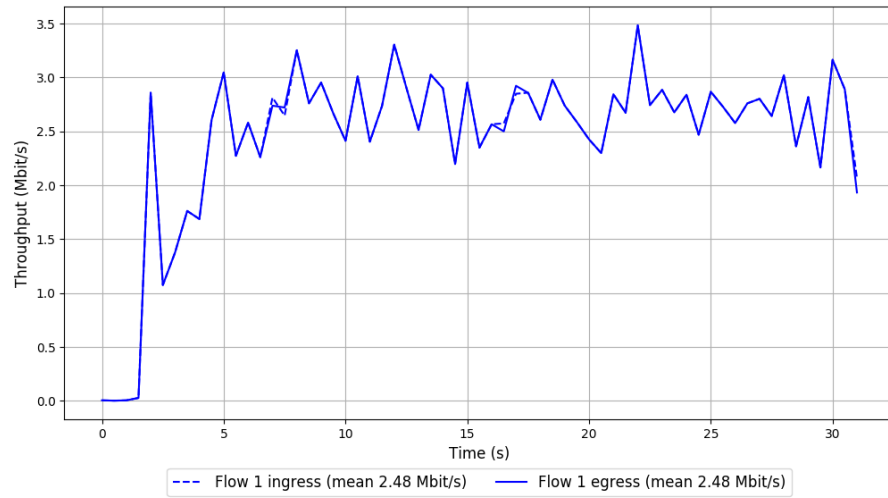
-- Flow 1:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 1.163 ms

Loss rate: 0.09%

Run 8: Report of WebRTC media — Data Link

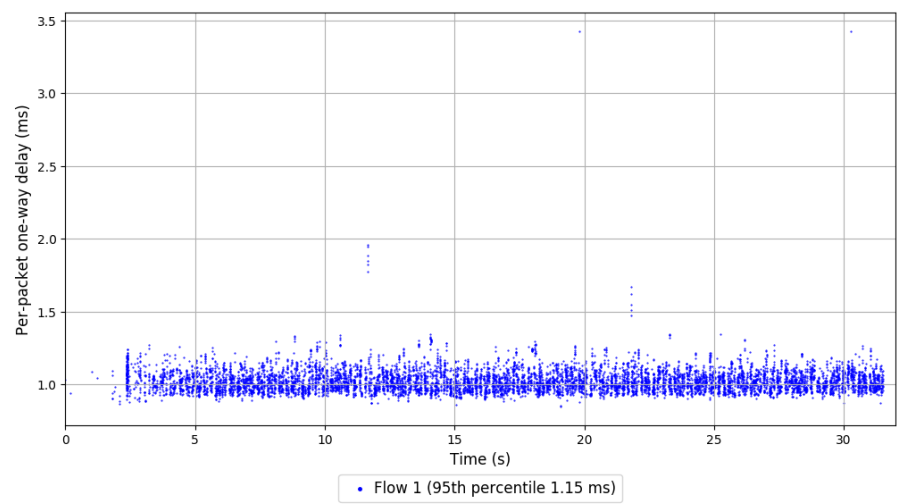
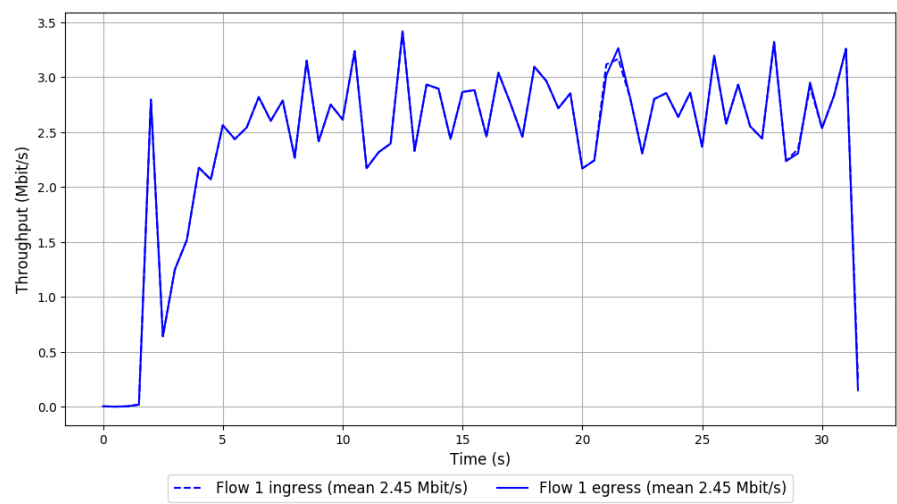


Run 9: Statistics of WebRTC media

Start at: 2018-01-16 13:41:31
End at: 2018-01-16 13:42:02
Local clock offset: -4.386 ms
Remote clock offset: -1.633 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.06%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-16 14:07:27

End at: 2018-01-16 14:07:57

Local clock offset: -4.273 ms

Remote clock offset: -1.785 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 1.179 ms

Loss rate: 0.16%

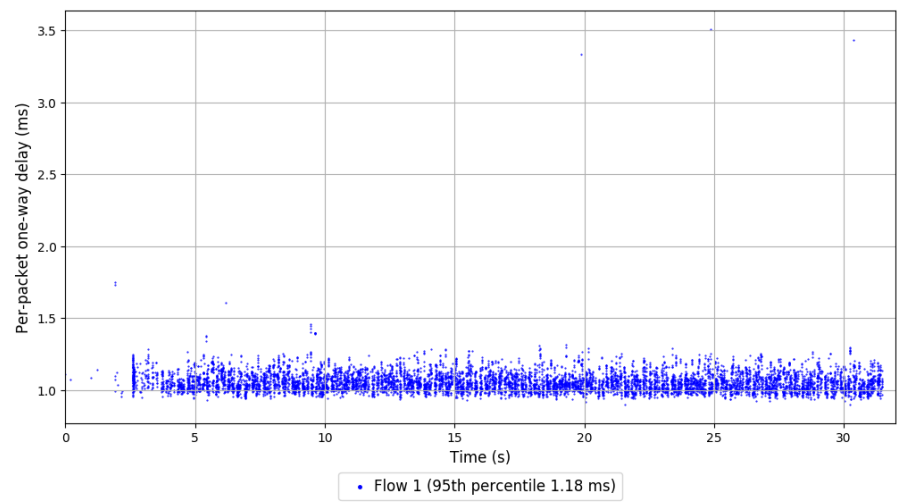
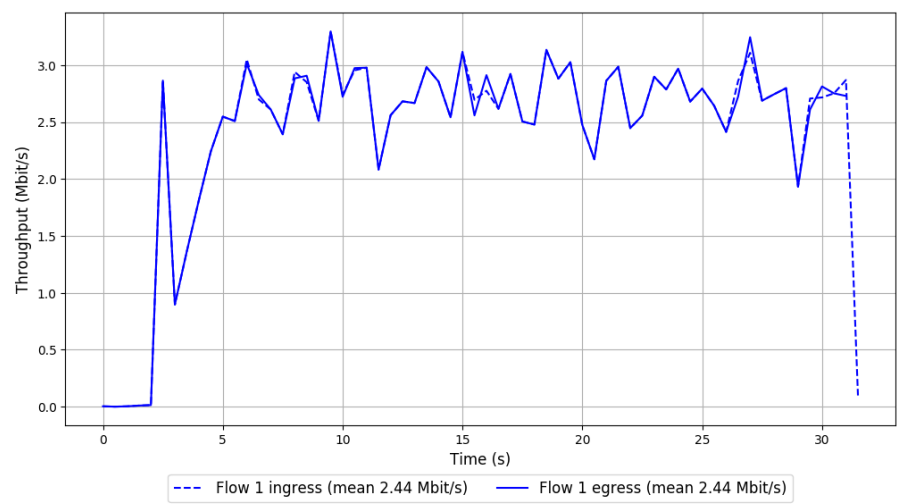
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 1.179 ms

Loss rate: 0.16%

Run 10: Report of WebRTC media — Data Link

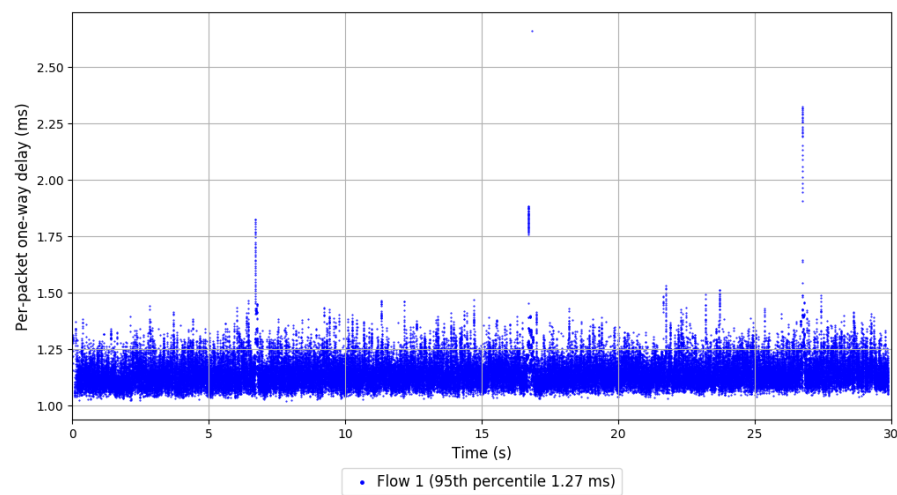
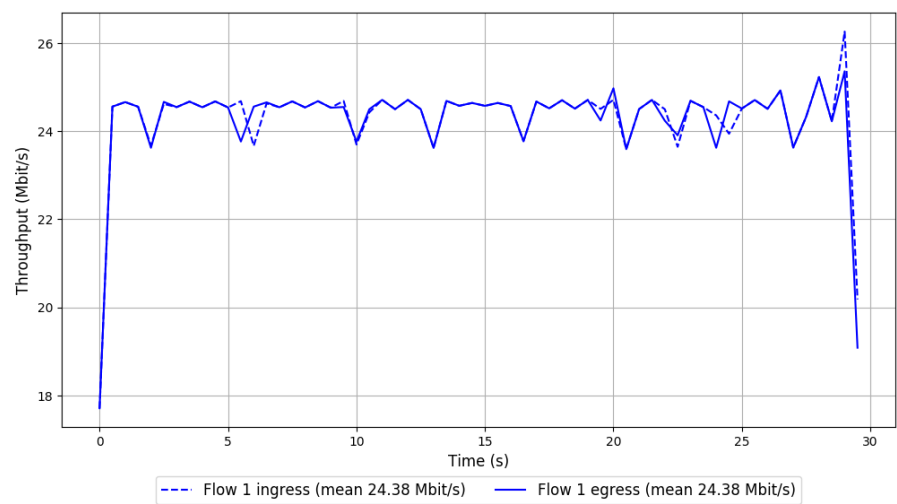


Run 1: Statistics of Sprout

Start at: 2018-01-16 10:24:28
End at: 2018-01-16 10:24:58
Local clock offset: -5.041 ms
Remote clock offset: -2.742 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 1.266 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 1.266 ms
Loss rate: 0.14%

Run 1: Report of Sprout — Data Link

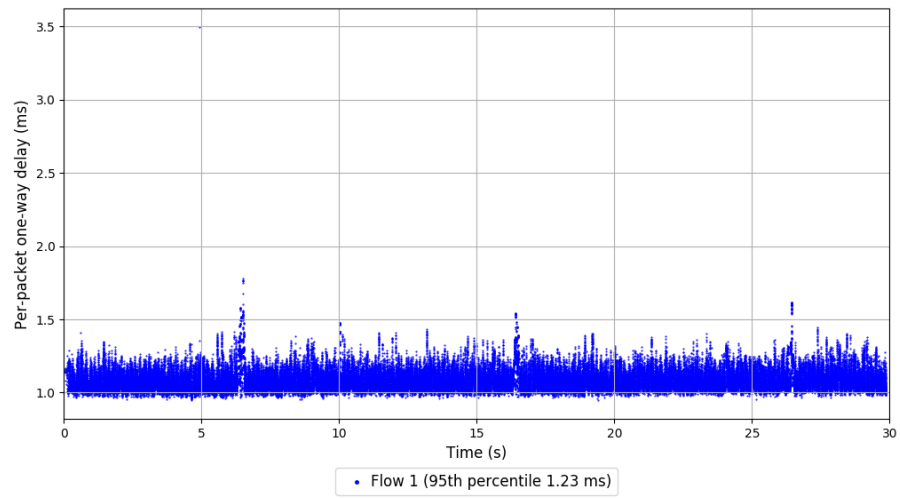
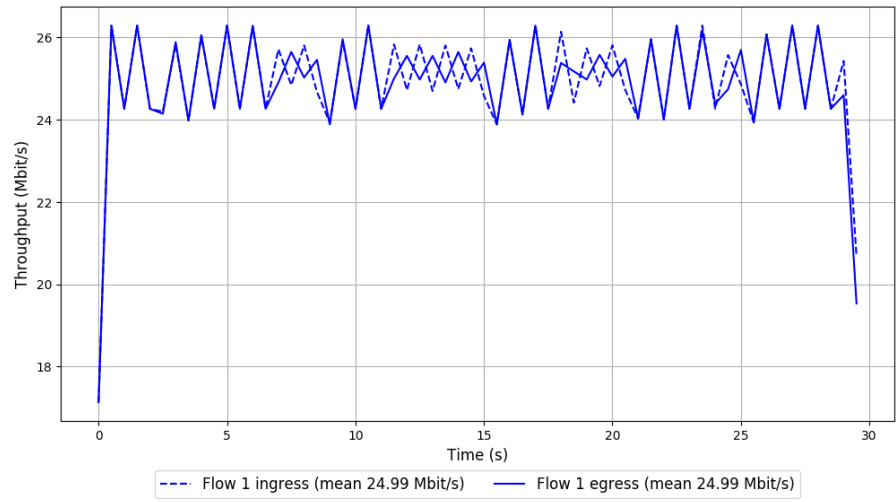


Run 2: Statistics of Sprout

Start at: 2018-01-16 10:49:53
End at: 2018-01-16 10:50:23
Local clock offset: -5.026 ms
Remote clock offset: -1.879 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.13%

Run 2: Report of Sprout — Data Link

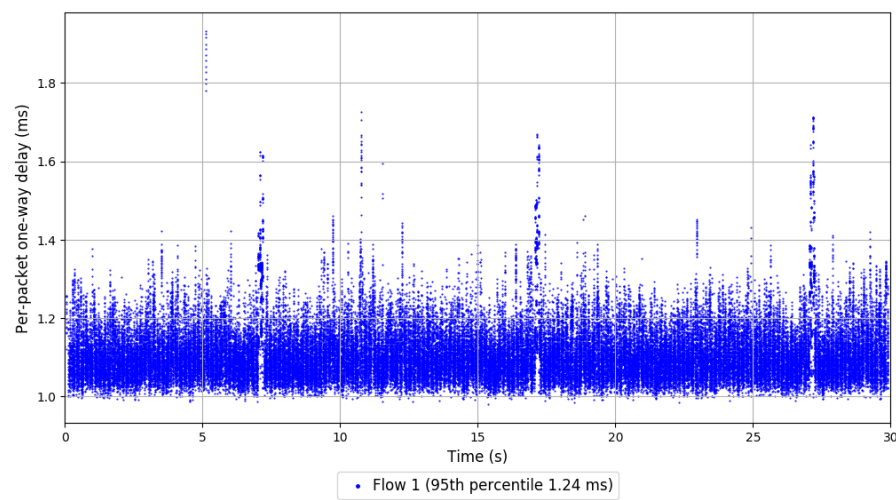
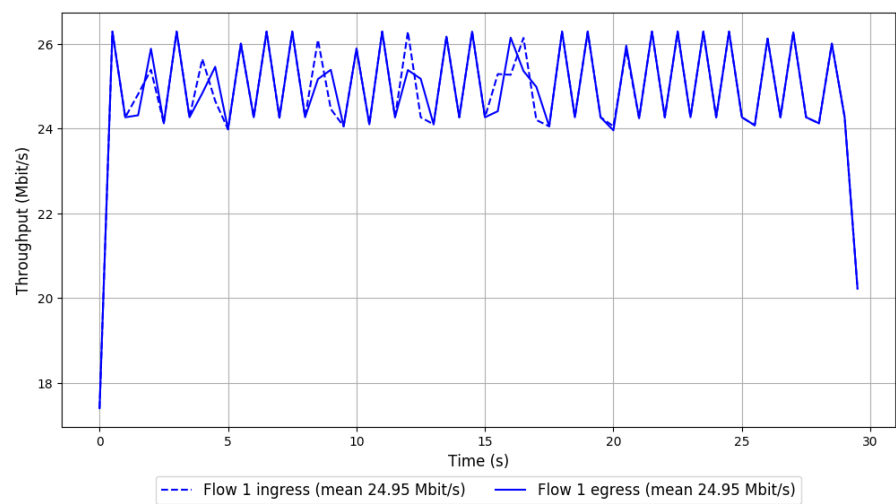


Run 3: Statistics of Sprout

Start at: 2018-01-16 11:16:08
End at: 2018-01-16 11:16:38
Local clock offset: -5.113 ms
Remote clock offset: -1.359 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

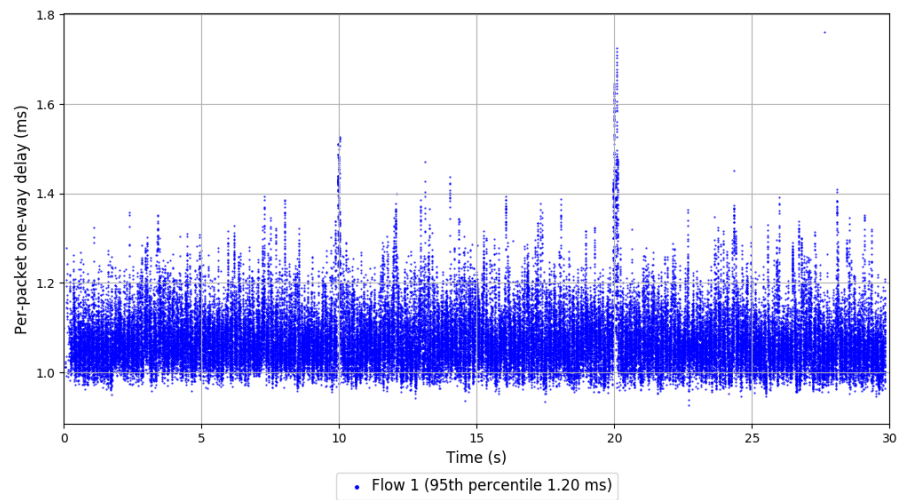
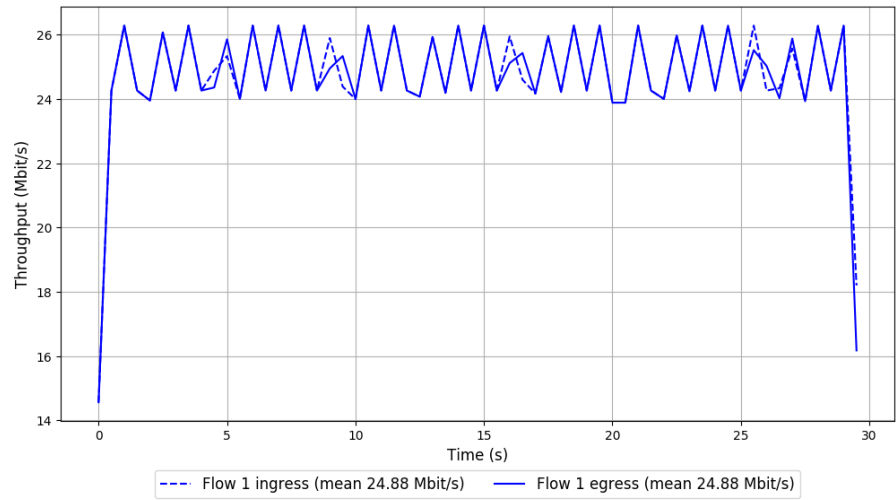


Run 4: Statistics of Sprout

Start at: 2018-01-16 11:42:20
End at: 2018-01-16 11:42:50
Local clock offset: -5.152 ms
Remote clock offset: -1.661 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.14%

Run 4: Report of Sprout — Data Link

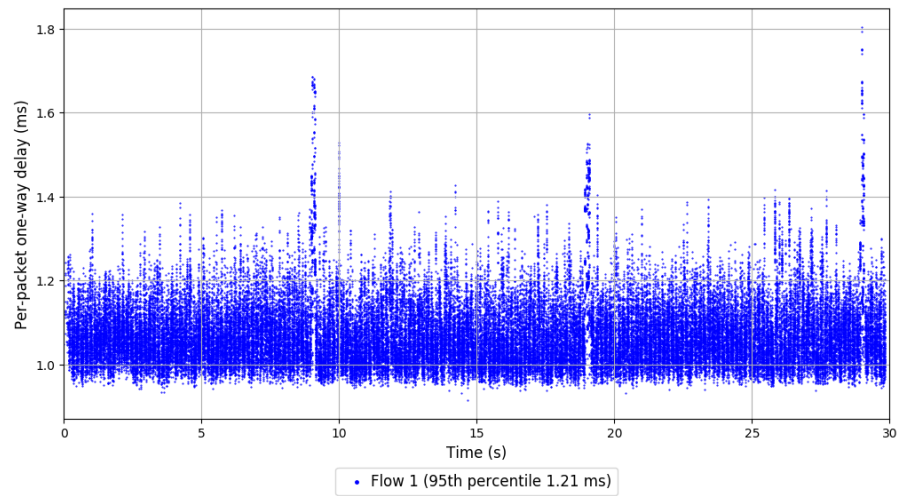
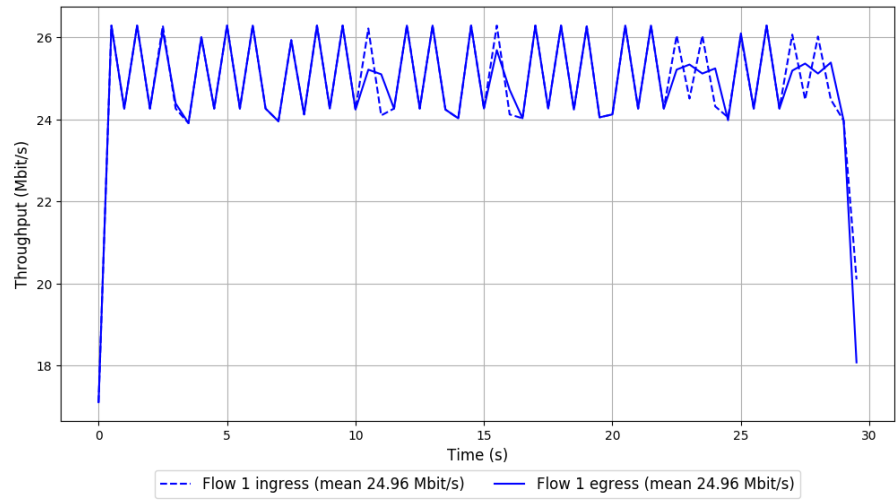


Run 5: Statistics of Sprout

Start at: 2018-01-16 12:07:26
End at: 2018-01-16 12:07:56
Local clock offset: -5.021 ms
Remote clock offset: -2.088 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.14%

Run 5: Report of Sprout — Data Link

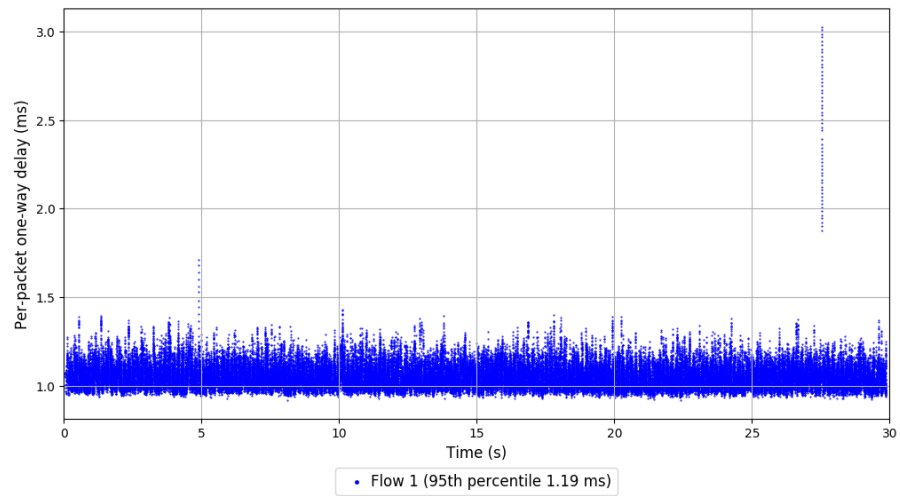
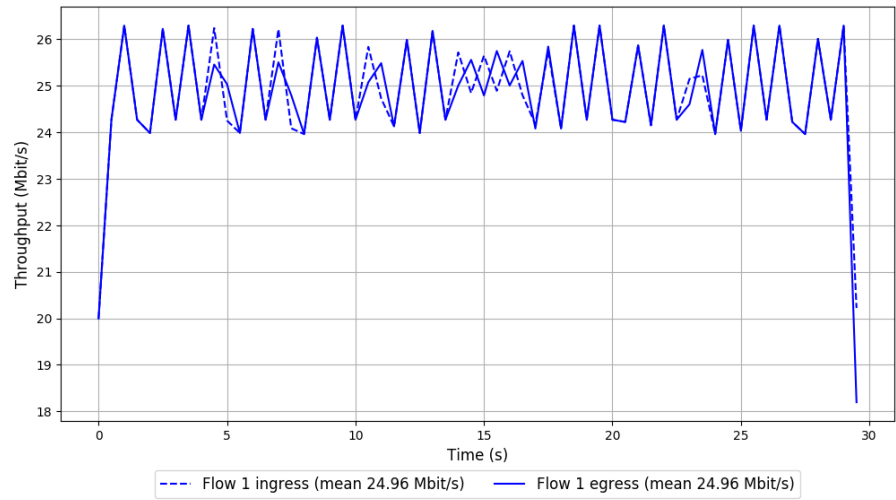


Run 6: Statistics of Sprout

Start at: 2018-01-16 12:32:53
End at: 2018-01-16 12:33:23
Local clock offset: -5.14 ms
Remote clock offset: -1.866 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.14%

Run 6: Report of Sprout — Data Link

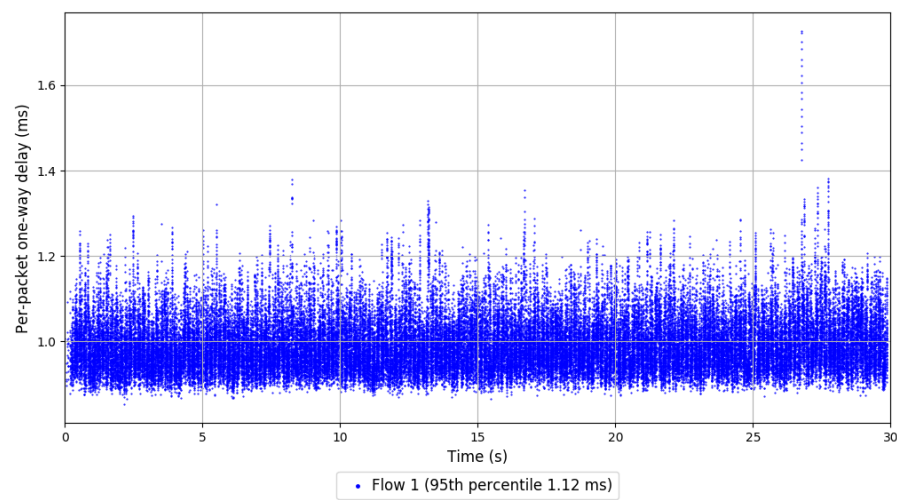
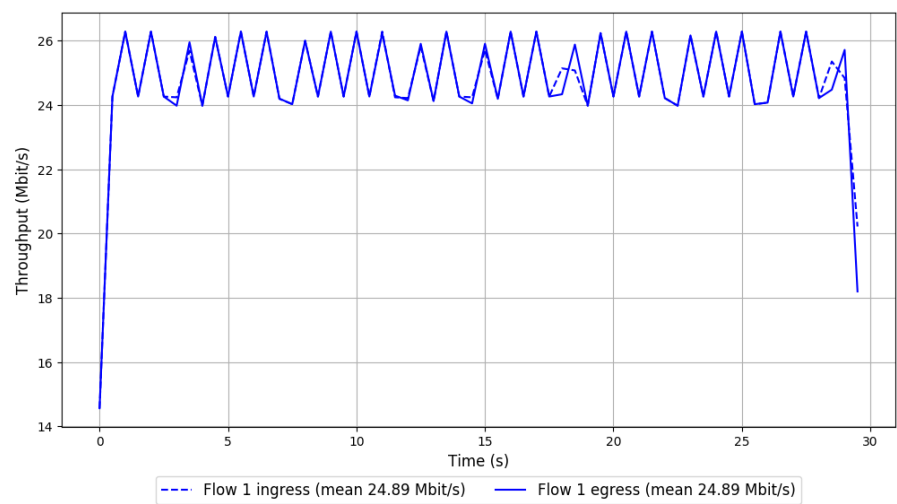


Run 7: Statistics of Sprout

Start at: 2018-01-16 12:58:46
End at: 2018-01-16 12:59:16
Local clock offset: -5.27 ms
Remote clock offset: -1.781 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.14%

Run 7: Report of Sprout — Data Link

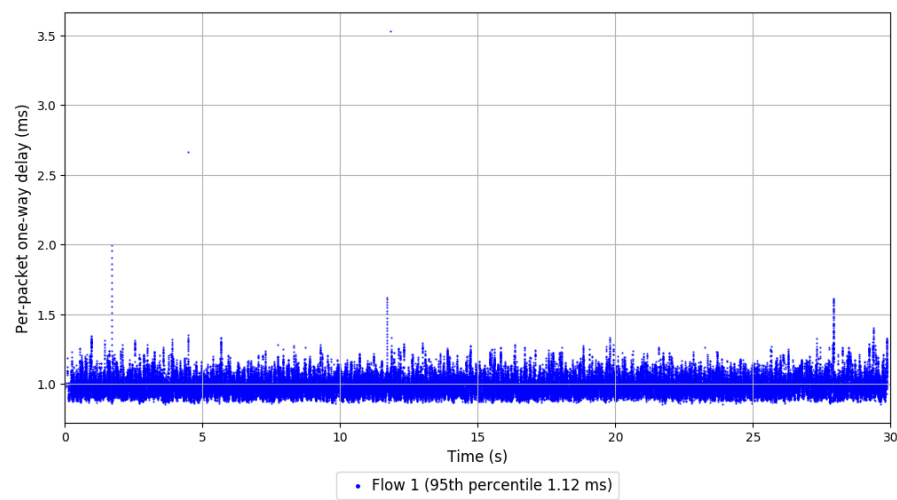
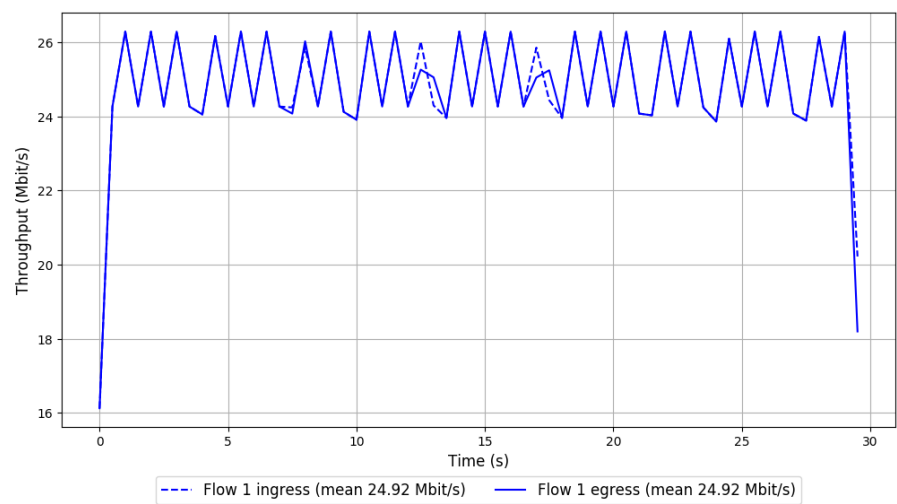


Run 8: Statistics of Sprout

Start at: 2018-01-16 13:24:06
End at: 2018-01-16 13:24:36
Local clock offset: -4.873 ms
Remote clock offset: -1.566 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.14%

Run 8: Report of Sprout — Data Link

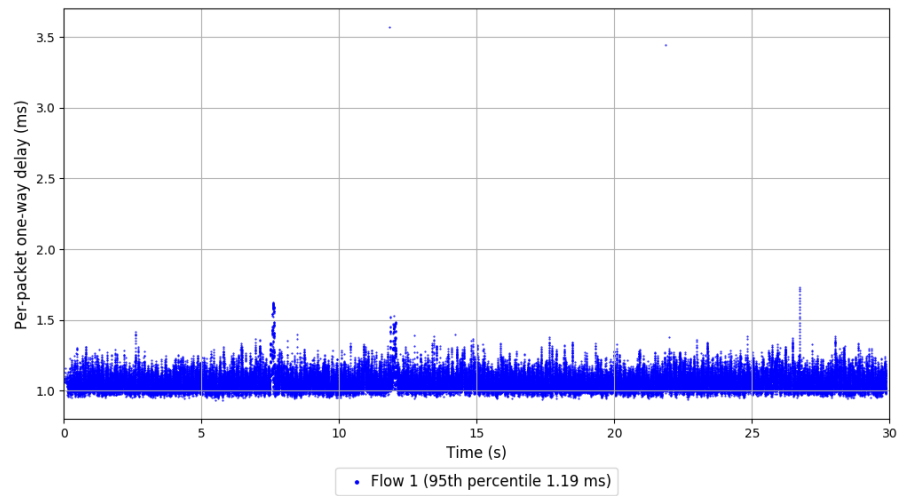
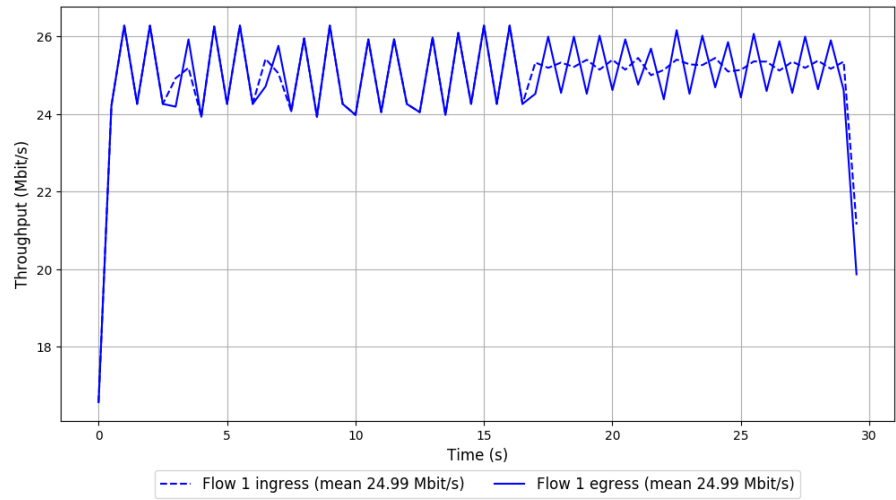


Run 9: Statistics of Sprout

Start at: 2018-01-16 13:49:55
End at: 2018-01-16 13:50:25
Local clock offset: -4.413 ms
Remote clock offset: -1.541 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.14%

Run 9: Report of Sprout — Data Link

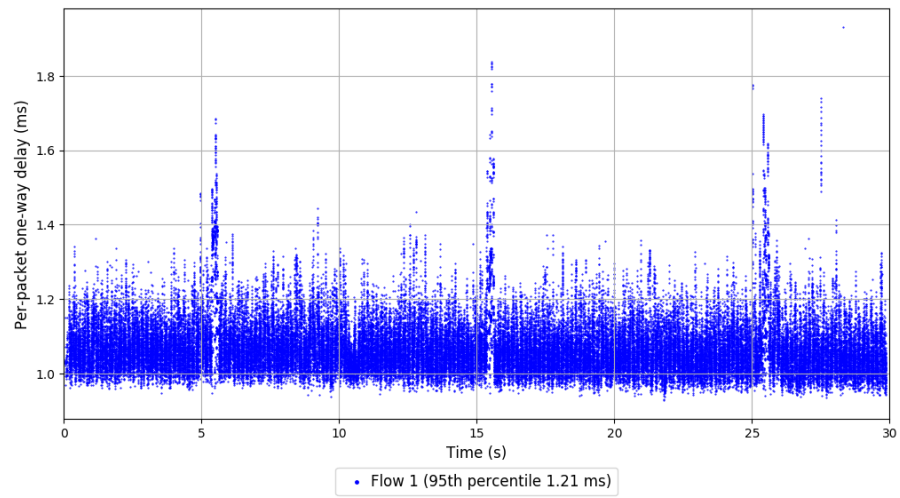
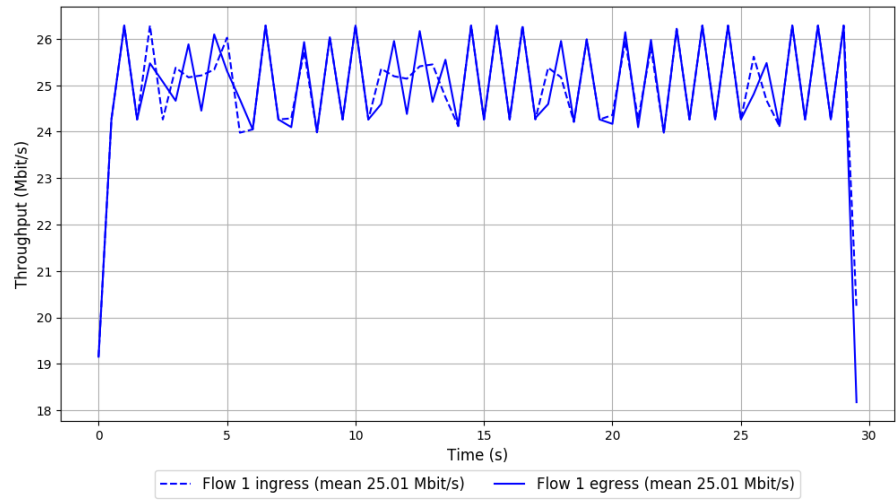


Run 10: Statistics of Sprout

Start at: 2018-01-16 14:15:52
End at: 2018-01-16 14:16:22
Local clock offset: -3.923 ms
Remote clock offset: -1.788 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.14%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 10:18:39

End at: 2018-01-16 10:19:09

Local clock offset: -4.98 ms

Remote clock offset: -2.963 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.82 Mbit/s

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

Loss rate: 0.03%

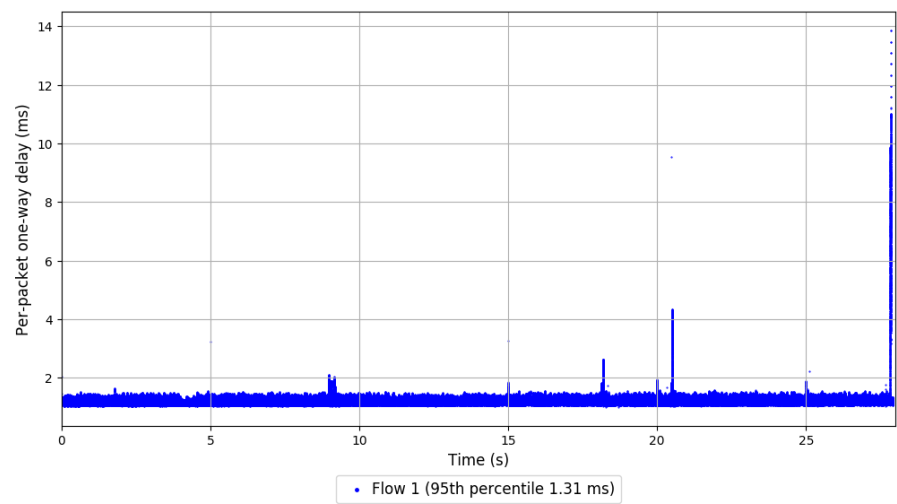
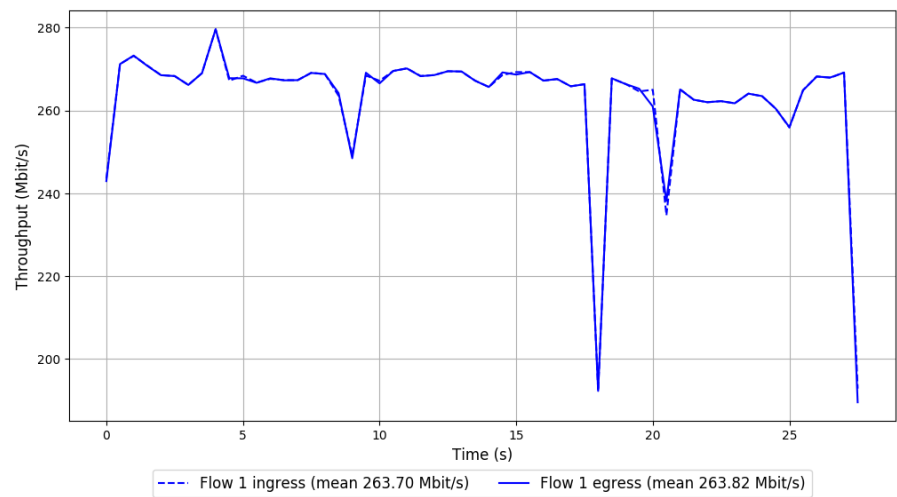
-- Flow 1:

Average throughput: 263.82 Mbit/s

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

Loss rate: 0.03%

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



Run 2: Statistics of TaoVA-100x

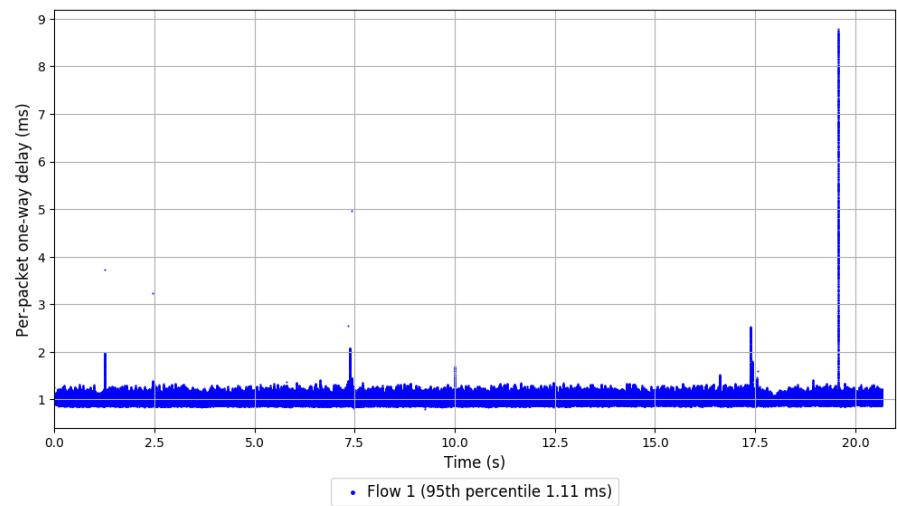
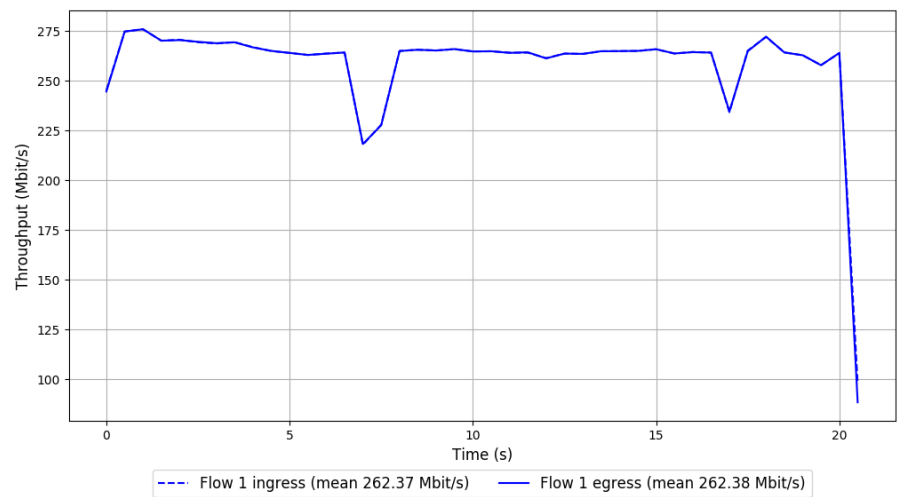
Start at: 2018-01-16 10:44:18

End at: 2018-01-16 10:44:48

Local clock offset: -5.096 ms

Remote clock offset: -2.054 ms

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

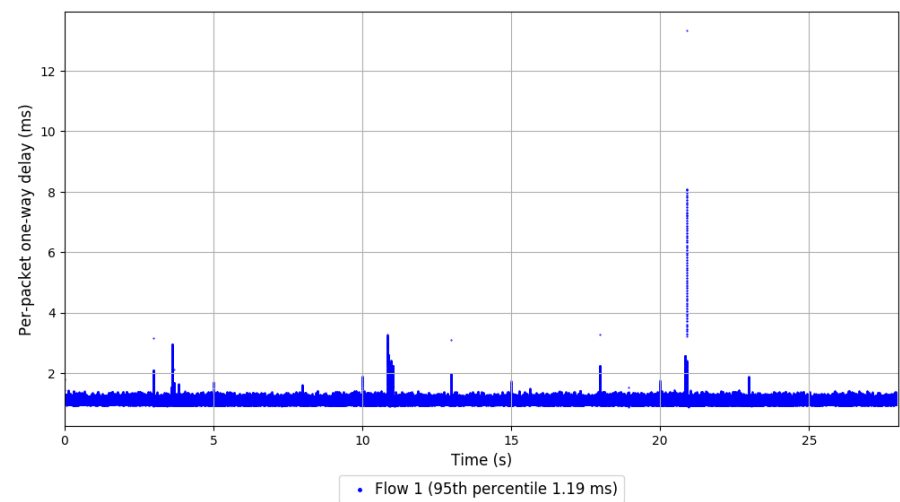
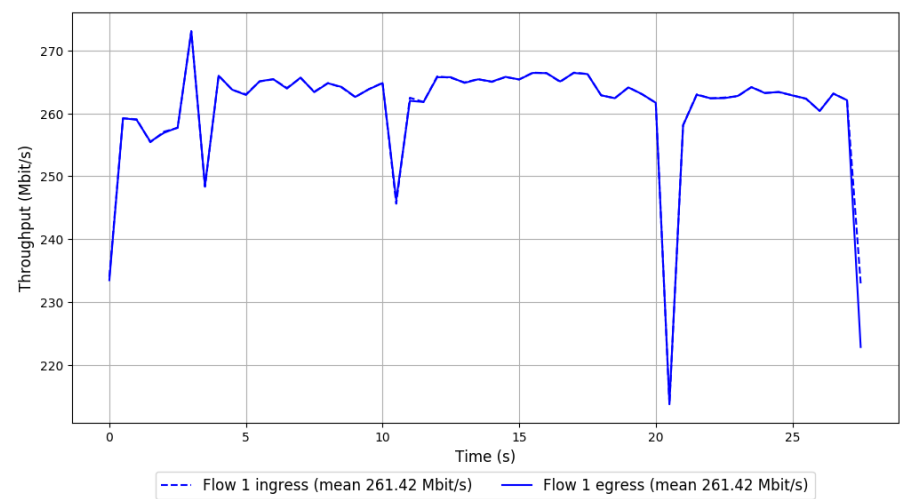


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 11:10:27
End at: 2018-01-16 11:10:57
Local clock offset: -5.19 ms
Remote clock offset: -1.428 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.42 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 261.42 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.07%

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

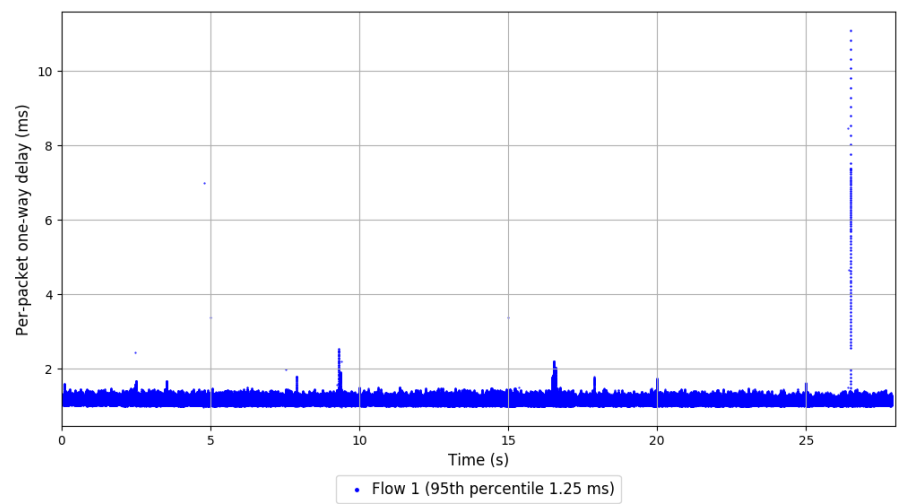
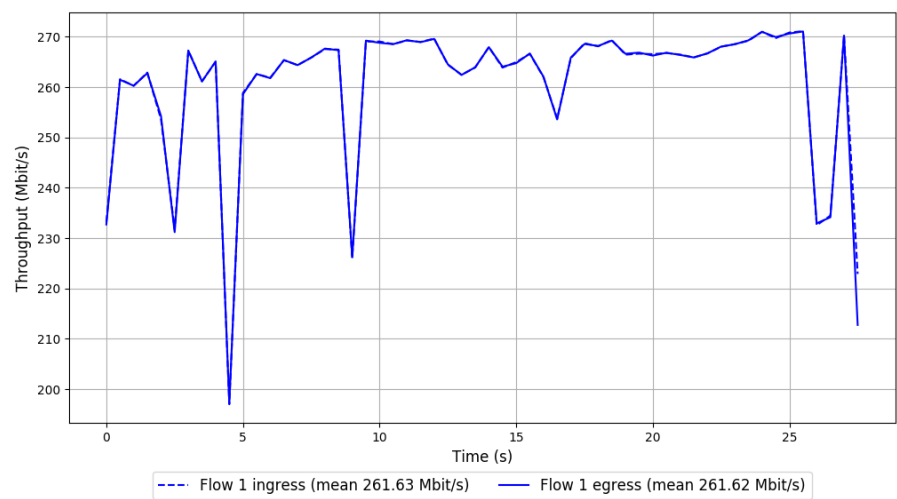


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-16 11:36:36
End at: 2018-01-16 11:37:06
Local clock offset: -5.142 ms
Remote clock offset: -1.572 ms

Below is generated by plot.py at 2018-01-16 19:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.62 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 261.62 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.07%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-16 12:01:46

End at: 2018-01-16 12:02:16

Local clock offset: -5.04 ms

Remote clock offset: -2.118 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.45 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.07%

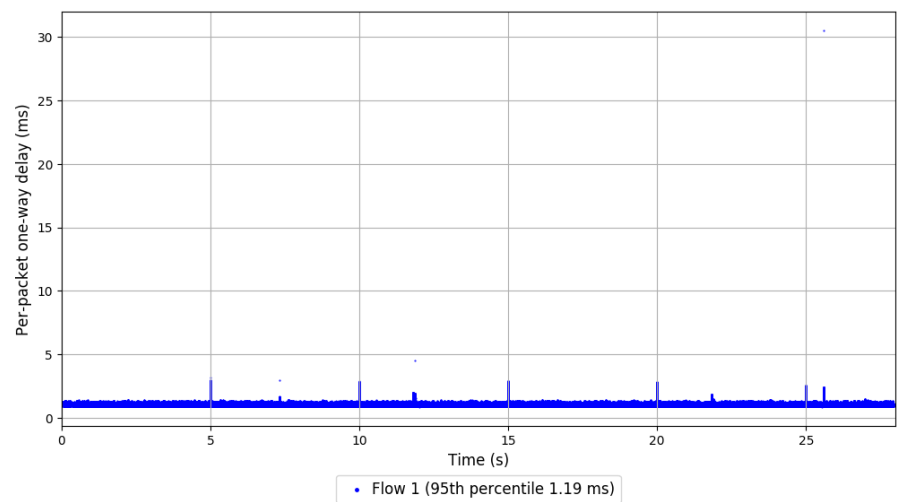
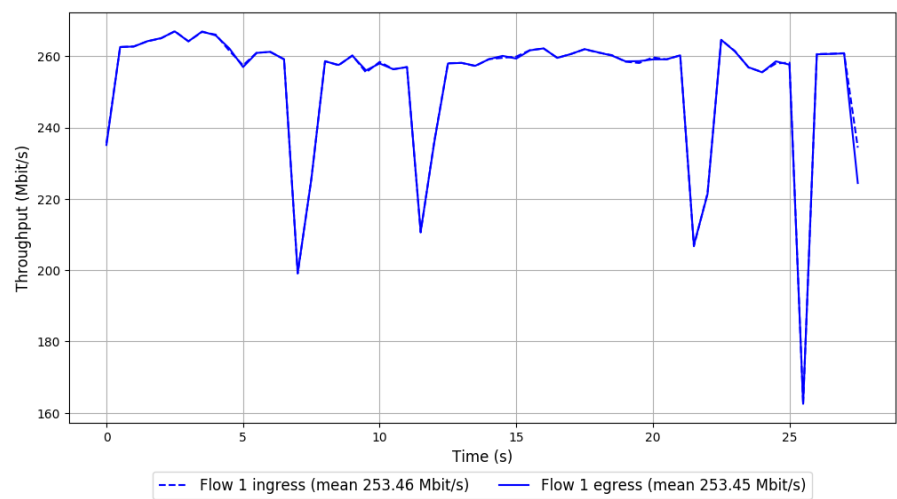
-- Flow 1:

Average throughput: 253.45 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.07%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-16 12:27:14

End at: 2018-01-16 12:27:44

Local clock offset: -5.1 ms

Remote clock offset: -1.746 ms

Below is generated by plot.py at 2018-01-16 19:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.82 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.07%

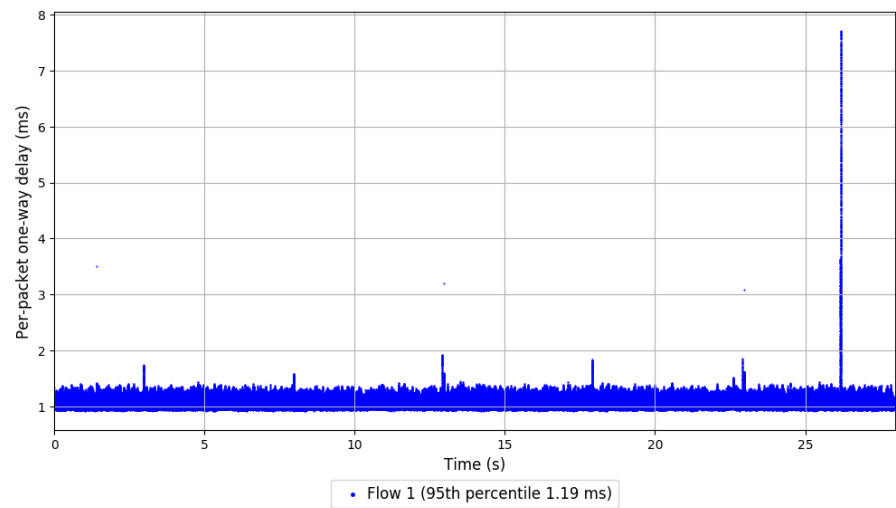
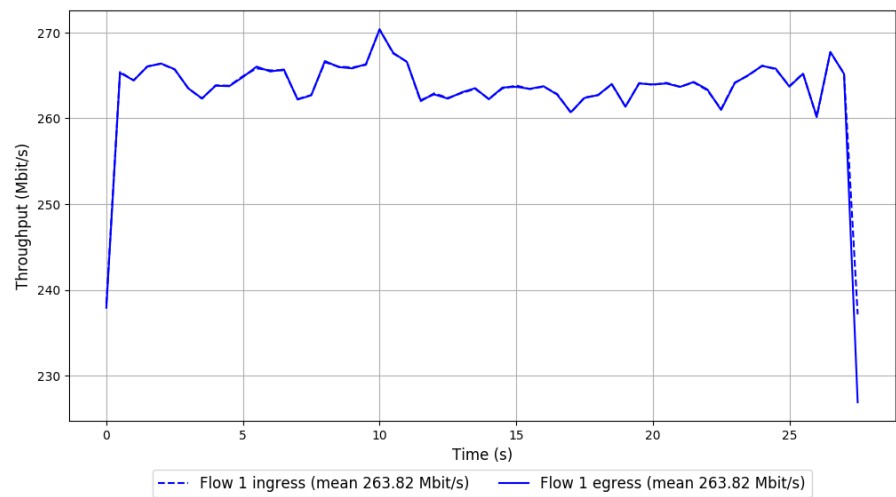
-- Flow 1:

Average throughput: 263.82 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.07%

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

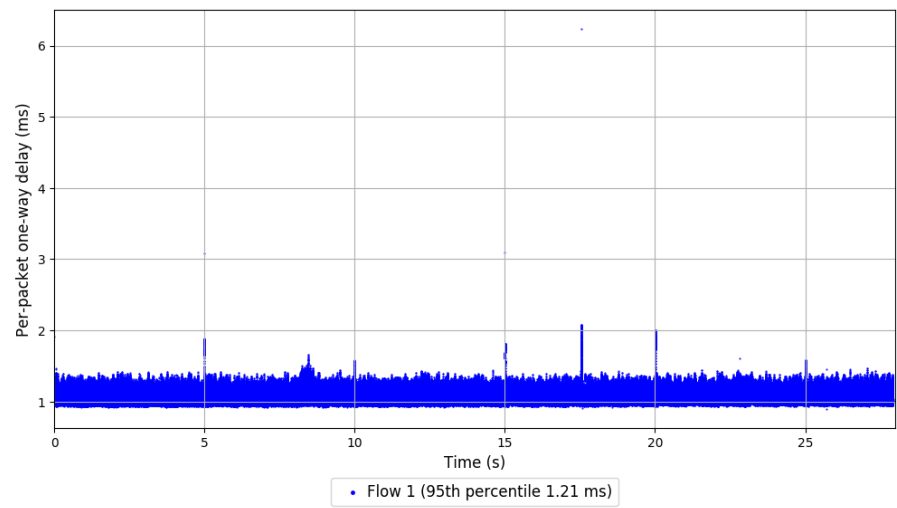
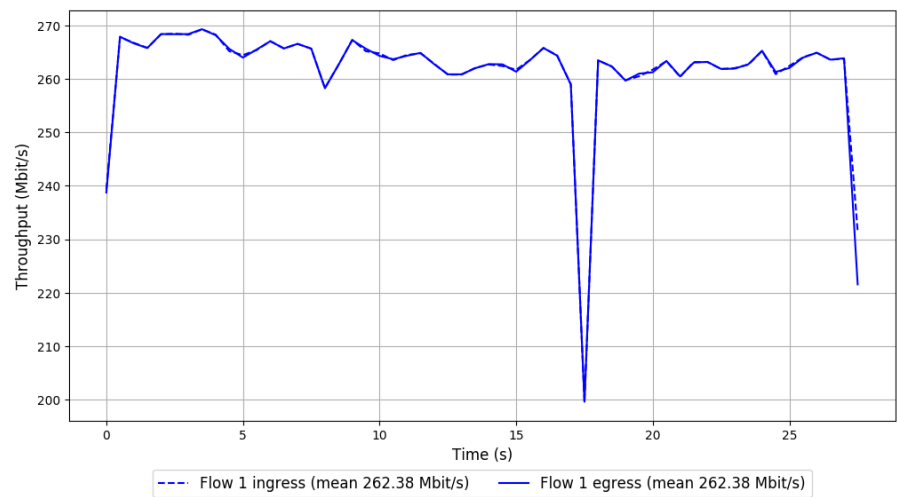


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-16 12:53:06
End at: 2018-01-16 12:53:36
Local clock offset: -5.128 ms
Remote clock offset: -1.865 ms

Below is generated by plot.py at 2018-01-16 19:41:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.38 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 262.38 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.07%

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

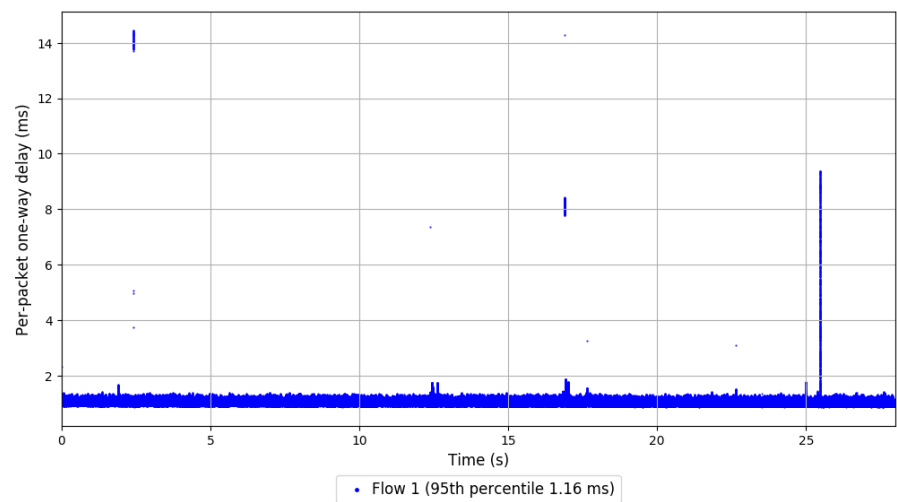
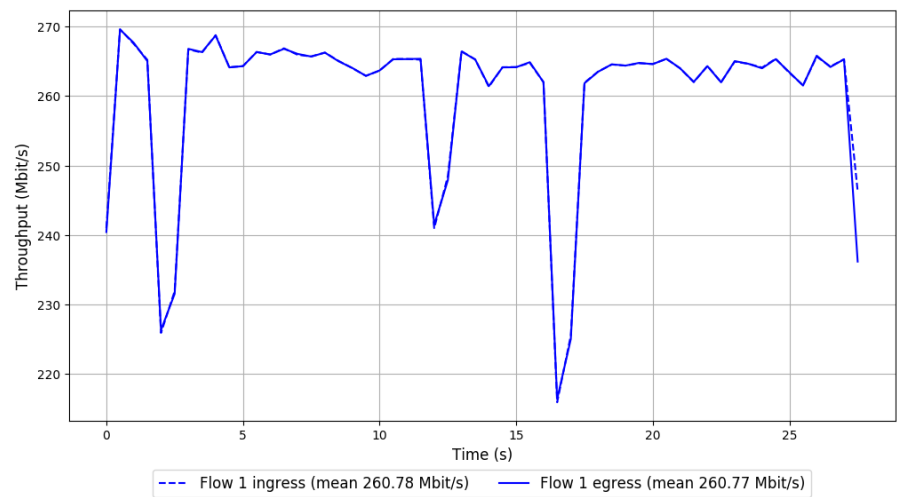


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-16 13:18:18
End at: 2018-01-16 13:18:48
Local clock offset: -5.062 ms
Remote clock offset: -1.706 ms

Below is generated by plot.py at 2018-01-16 19:43:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 260.77 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 260.77 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.07%

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



Run 9: Statistics of TaoVA-100x

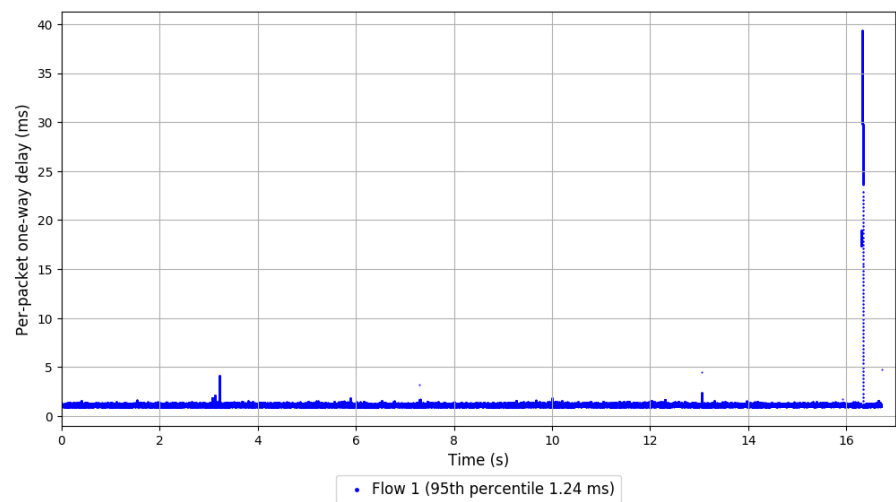
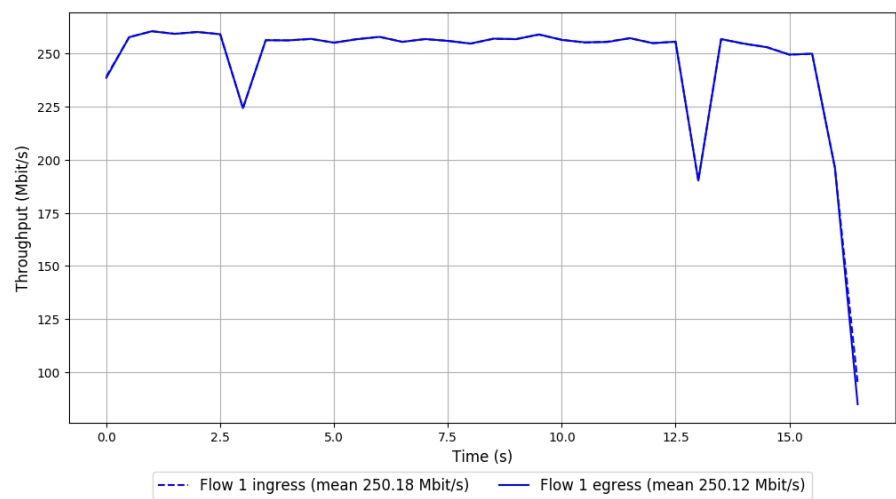
Start at: 2018-01-16 13:44:21

End at: 2018-01-16 13:44:52

Local clock offset: -4.309 ms

Remote clock offset: -1.497 ms

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-16 14:10:14

End at: 2018-01-16 14:10:44

Local clock offset: -4.098 ms

Remote clock offset: -1.818 ms

Below is generated by plot.py at 2018-01-16 19:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.41 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.07%

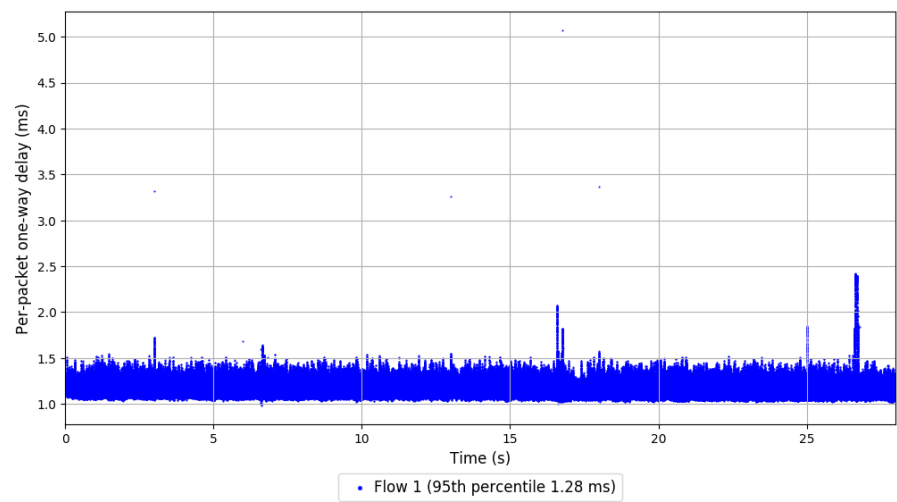
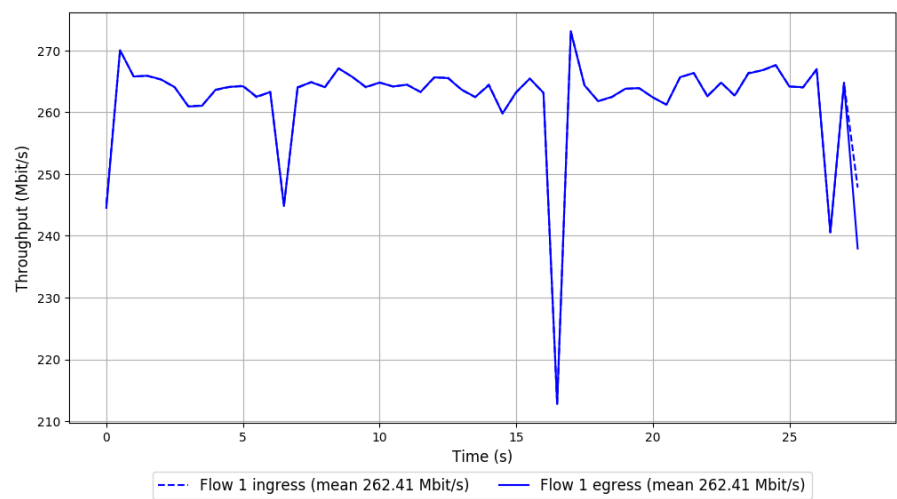
-- Flow 1:

Average throughput: 262.41 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.07%

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

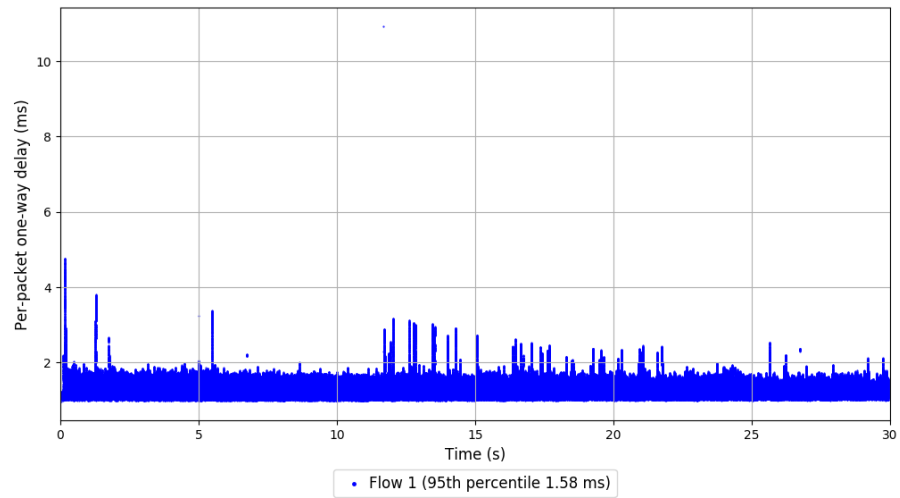
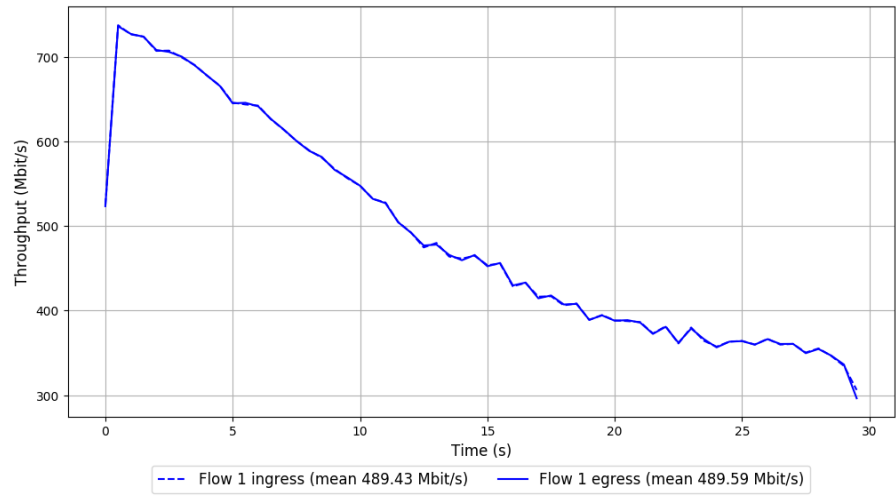


Run 1: Statistics of TCP Vegas

Start at: 2018-01-16 10:22:59
End at: 2018-01-16 10:23:29
Local clock offset: -5.002 ms
Remote clock offset: -2.746 ms

Below is generated by plot.py at 2018-01-16 19:44:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 489.59 Mbit/s
95th percentile per-packet one-way delay: 1.576 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 489.59 Mbit/s
95th percentile per-packet one-way delay: 1.576 ms
Loss rate: 0.03%

Run 1: Report of TCP Vegas — Data Link

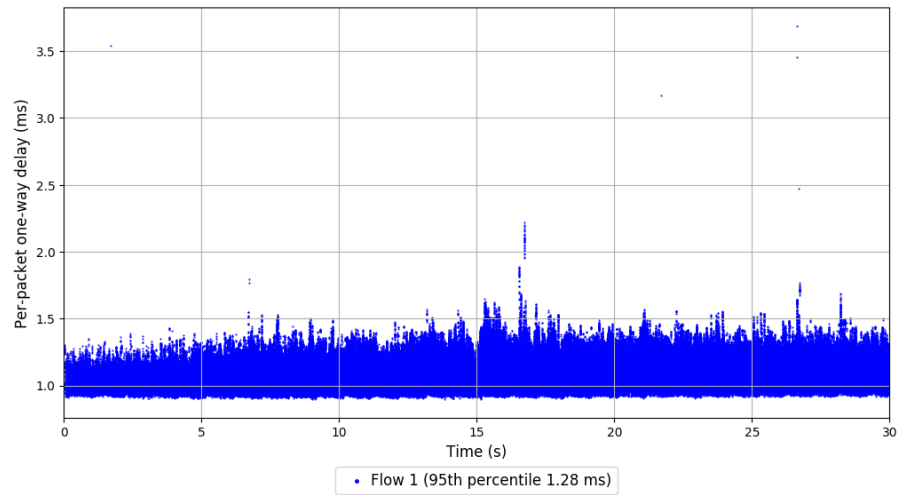
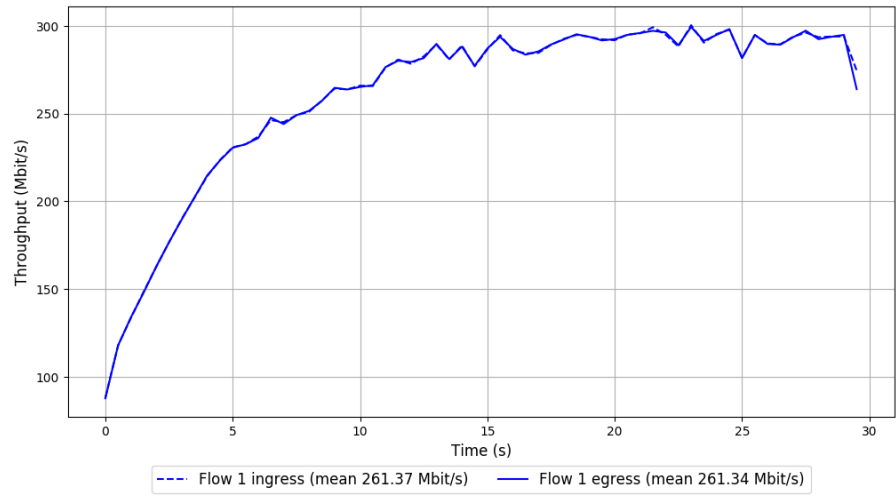


Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 10:48:33
End at: 2018-01-16 10:49:03
Local clock offset: -5.023 ms
Remote clock offset: -1.891 ms

Below is generated by plot.py at 2018-01-16 19:44:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.34 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 261.34 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.07%

Run 2: Report of TCP Vegas — Data Link

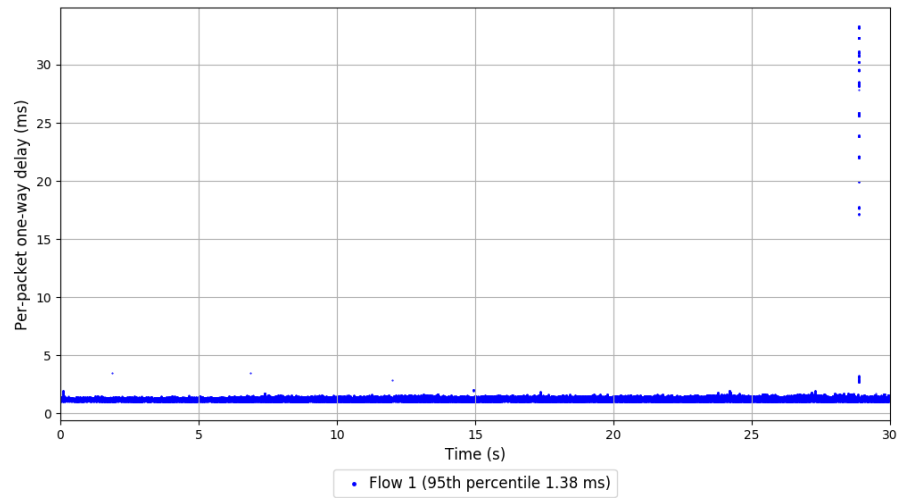
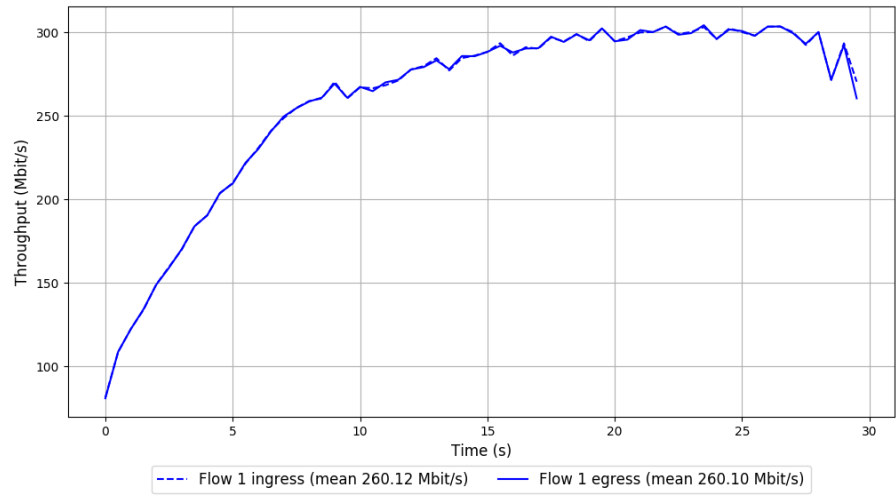


Run 3: Statistics of TCP Vegas

Start at: 2018-01-16 11:14:48
End at: 2018-01-16 11:15:18
Local clock offset: -5.111 ms
Remote clock offset: -1.406 ms

Below is generated by plot.py at 2018-01-16 19:44:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 260.10 Mbit/s
95th percentile per-packet one-way delay: 1.384 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 260.10 Mbit/s
95th percentile per-packet one-way delay: 1.384 ms
Loss rate: 0.07%

Run 3: Report of TCP Vegas — Data Link

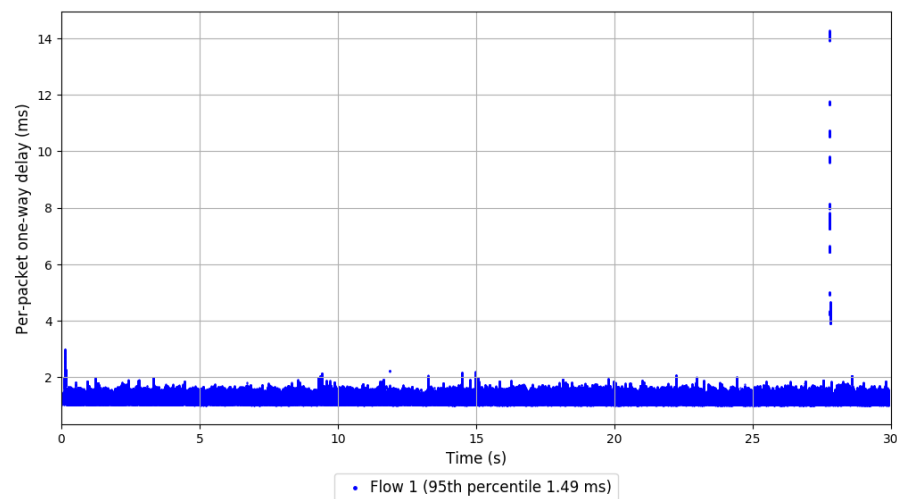
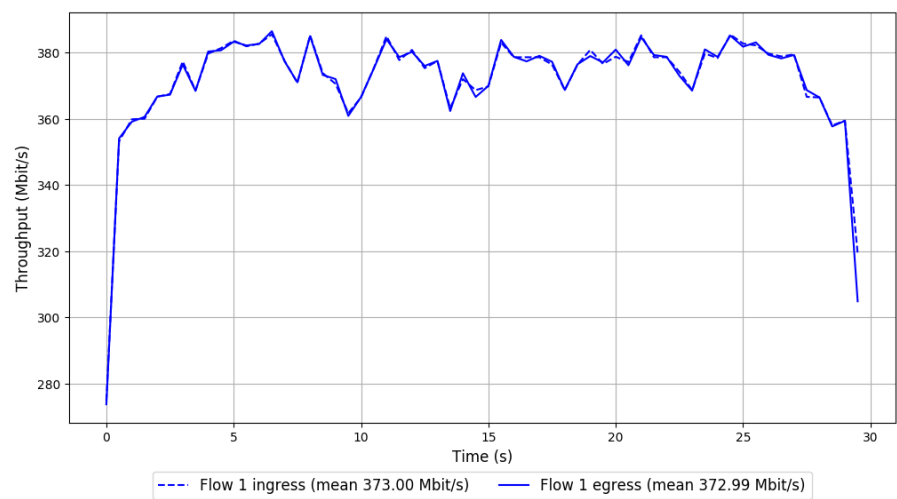


Run 4: Statistics of TCP Vegas

Start at: 2018-01-16 11:40:55
End at: 2018-01-16 11:41:25
Local clock offset: -5.099 ms
Remote clock offset: -1.633 ms

Below is generated by plot.py at 2018-01-16 19:44:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.99 Mbit/s
95th percentile per-packet one-way delay: 1.489 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 372.99 Mbit/s
95th percentile per-packet one-way delay: 1.489 ms
Loss rate: 0.07%

Run 4: Report of TCP Vegas — Data Link

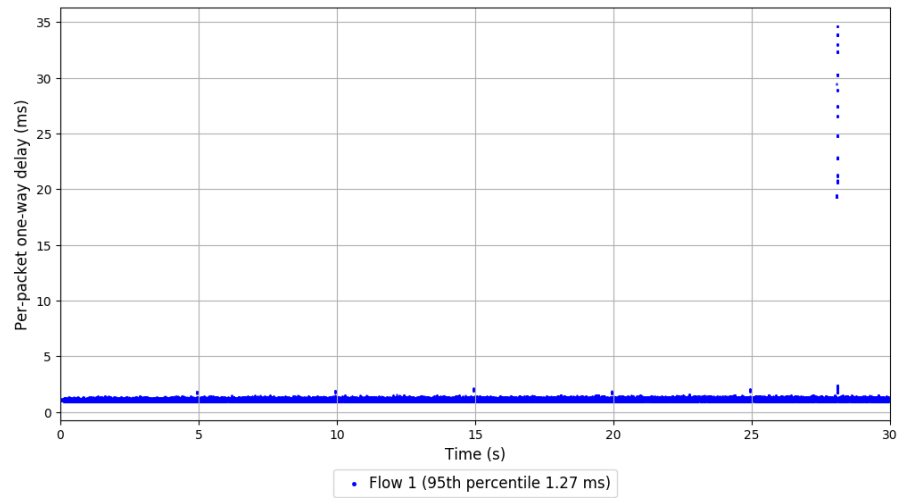
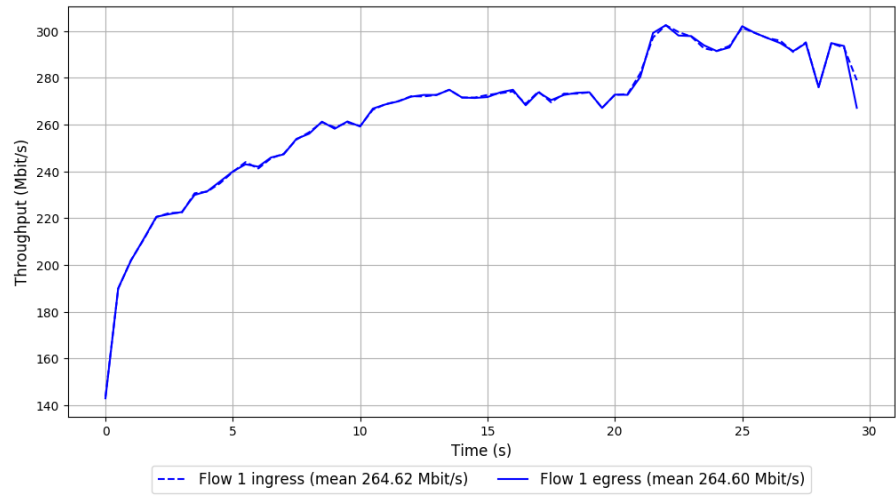


Run 5: Statistics of TCP Vegas

Start at: 2018-01-16 12:06:06
End at: 2018-01-16 12:06:36
Local clock offset: -4.928 ms
Remote clock offset: -2.024 ms

Below is generated by plot.py at 2018-01-16 19:44:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.60 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 264.60 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.08%

Run 5: Report of TCP Vegas — Data Link

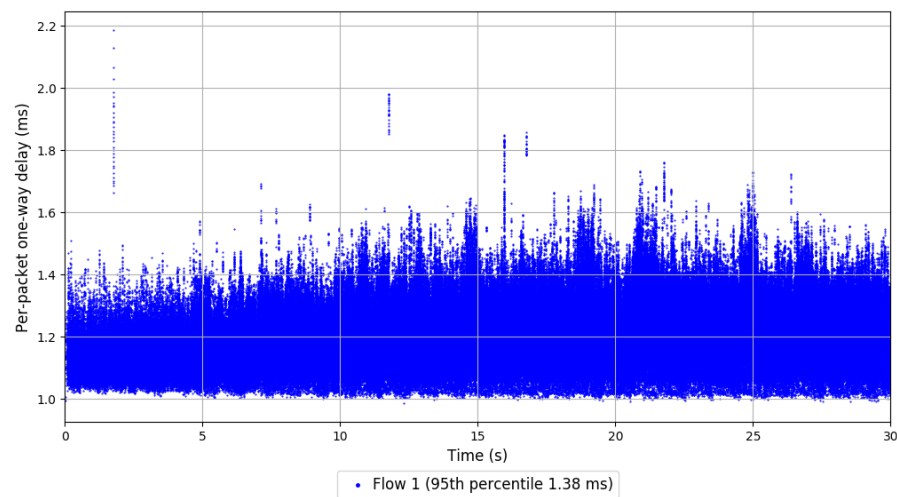
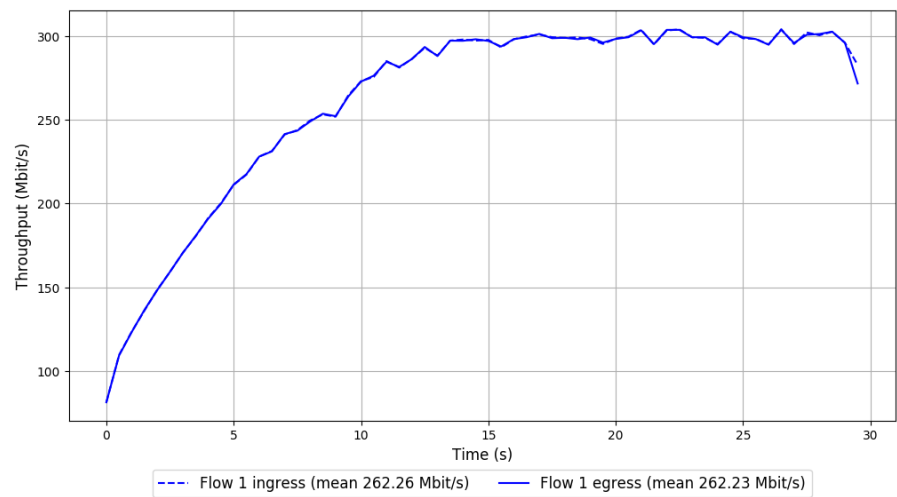


Run 6: Statistics of TCP Vegas

Start at: 2018-01-16 12:31:33
End at: 2018-01-16 12:32:03
Local clock offset: -5.001 ms
Remote clock offset: -1.789 ms

Below is generated by plot.py at 2018-01-16 19:44:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.23 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 262.23 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.08%

Run 6: Report of TCP Vegas — Data Link

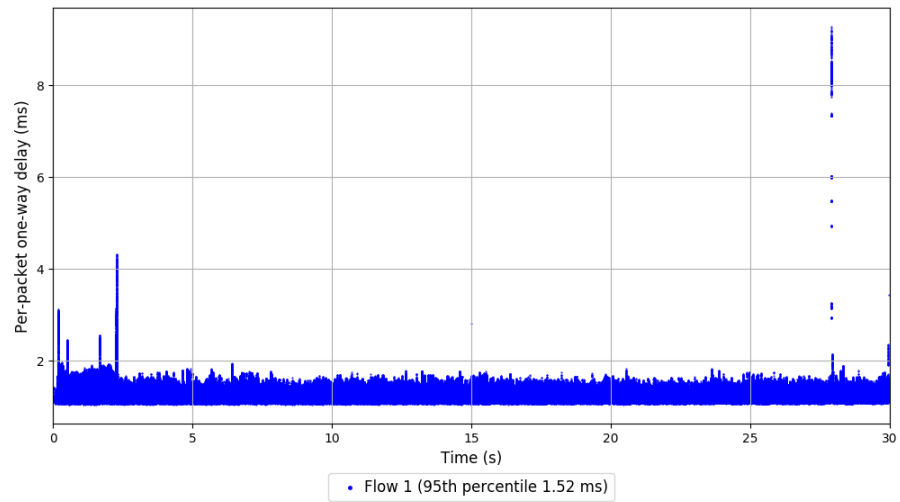
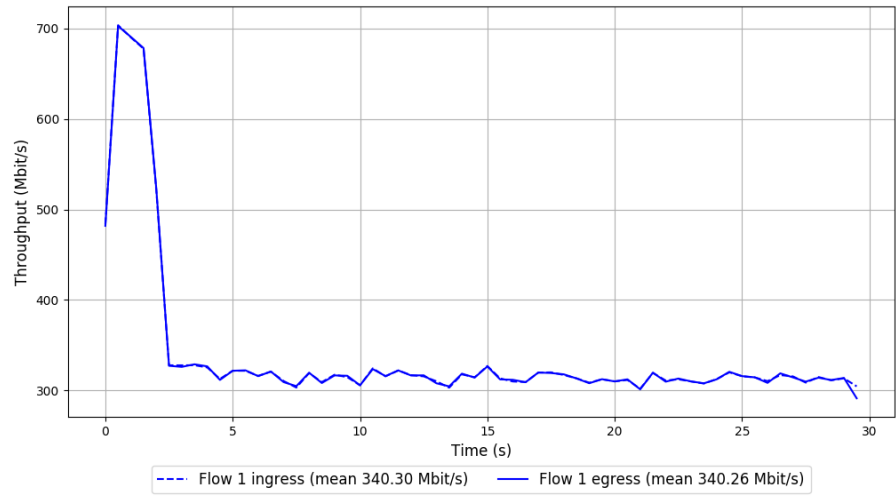


Run 7: Statistics of TCP Vegas

Start at: 2018-01-16 12:57:22
End at: 2018-01-16 12:57:52
Local clock offset: -5.175 ms
Remote clock offset: -1.91 ms

Below is generated by plot.py at 2018-01-16 19:46:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 340.26 Mbit/s
95th percentile per-packet one-way delay: 1.523 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 340.26 Mbit/s
95th percentile per-packet one-way delay: 1.523 ms
Loss rate: 0.06%

Run 7: Report of TCP Vegas — Data Link

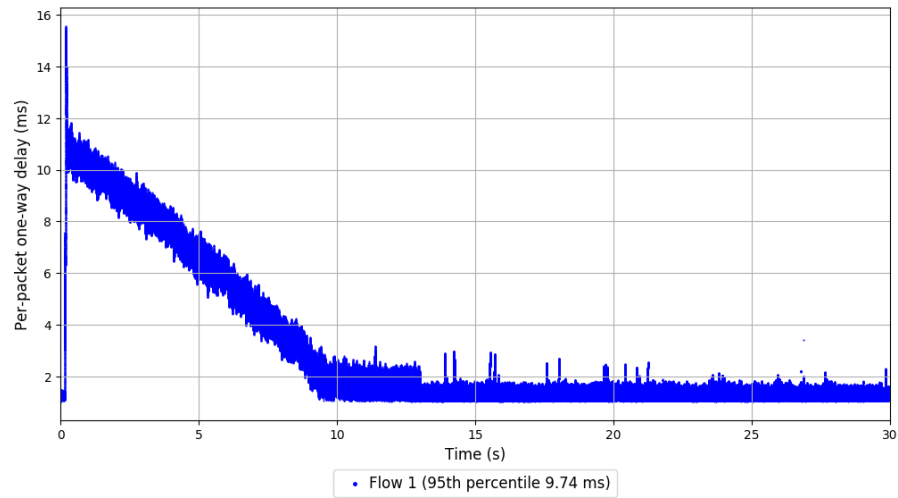
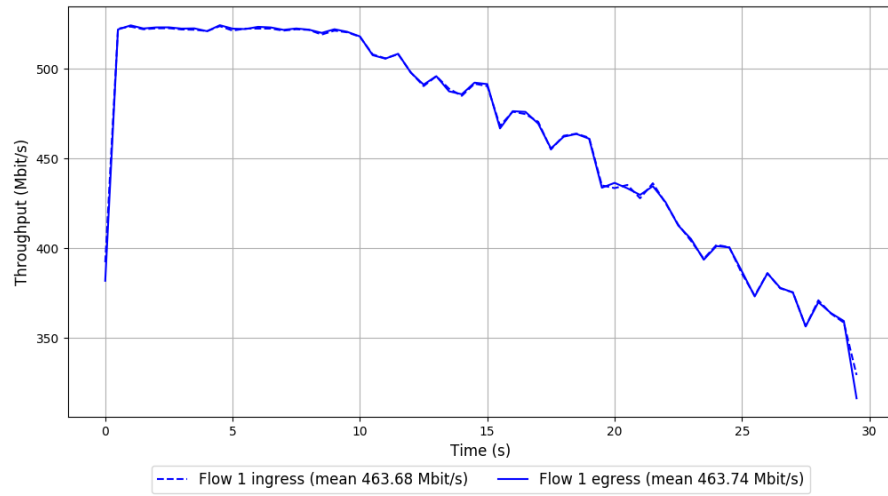


Run 8: Statistics of TCP Vegas

Start at: 2018-01-16 13:22:38
End at: 2018-01-16 13:23:08
Local clock offset: -4.78 ms
Remote clock offset: -1.668 ms

Below is generated by plot.py at 2018-01-16 19:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 463.74 Mbit/s
95th percentile per-packet one-way delay: 9.741 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 463.74 Mbit/s
95th percentile per-packet one-way delay: 9.741 ms
Loss rate: 0.05%

Run 8: Report of TCP Vegas — Data Link

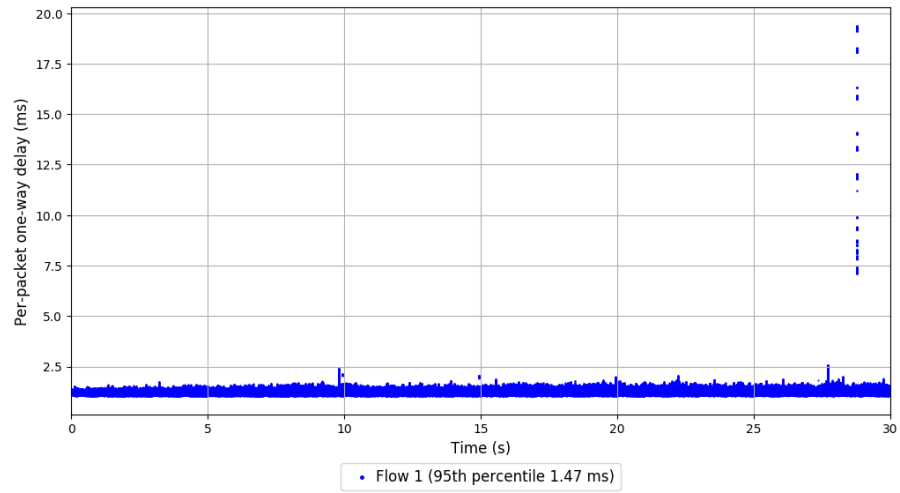
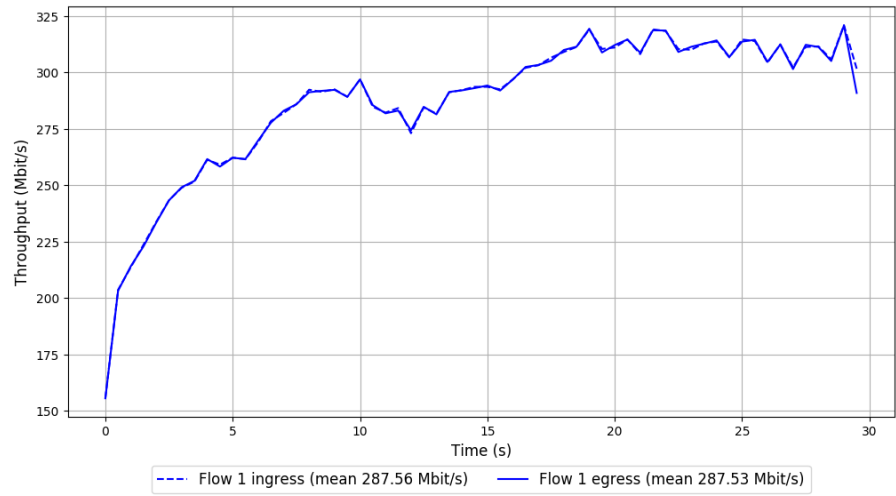


Run 9: Statistics of TCP Vegas

Start at: 2018-01-16 13:48:34
End at: 2018-01-16 13:49:04
Local clock offset: -4.312 ms
Remote clock offset: -1.551 ms

Below is generated by plot.py at 2018-01-16 19:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 287.53 Mbit/s
95th percentile per-packet one-way delay: 1.467 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 287.53 Mbit/s
95th percentile per-packet one-way delay: 1.467 ms
Loss rate: 0.07%

Run 9: Report of TCP Vegas — Data Link

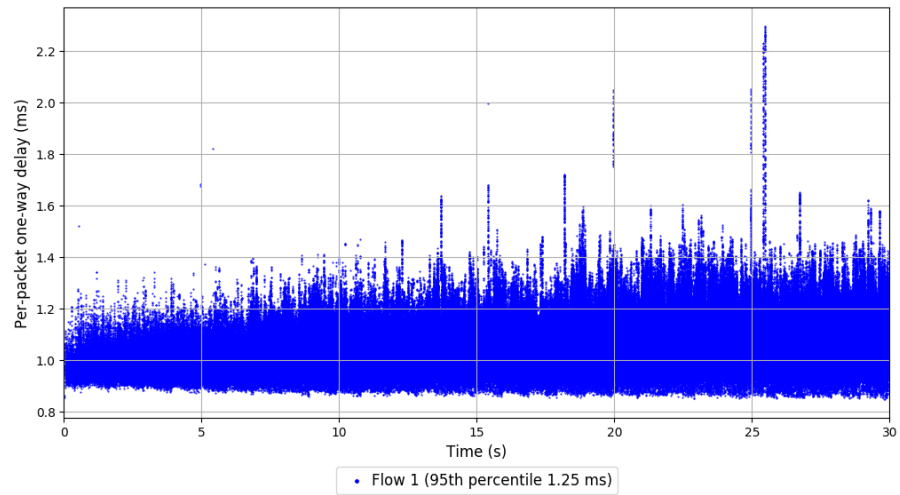
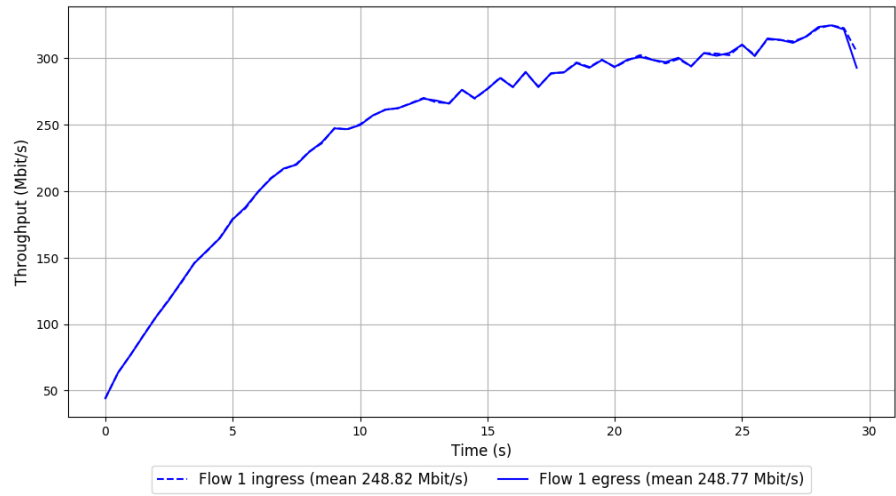


Run 10: Statistics of TCP Vegas

Start at: 2018-01-16 14:14:32
End at: 2018-01-16 14:15:02
Local clock offset: -3.914 ms
Remote clock offset: -1.685 ms

Below is generated by plot.py at 2018-01-16 19:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.77 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 248.77 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.09%

Run 10: Report of TCP Vegas — Data Link

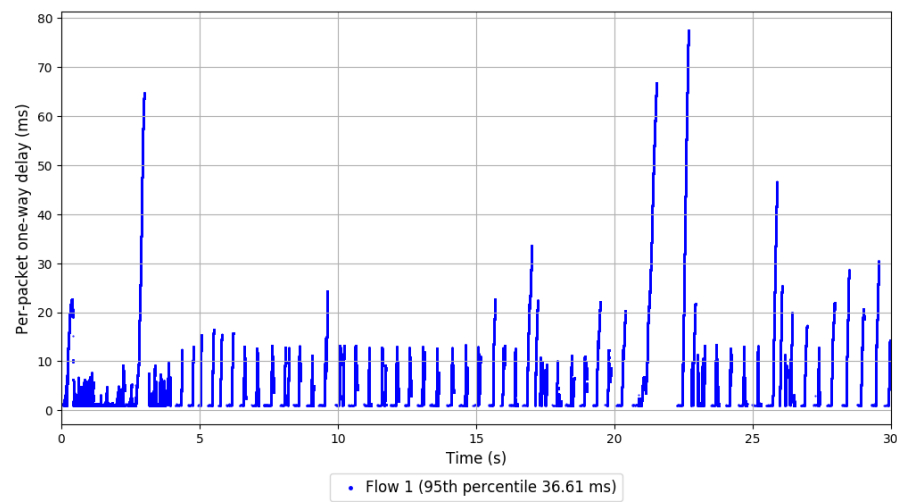
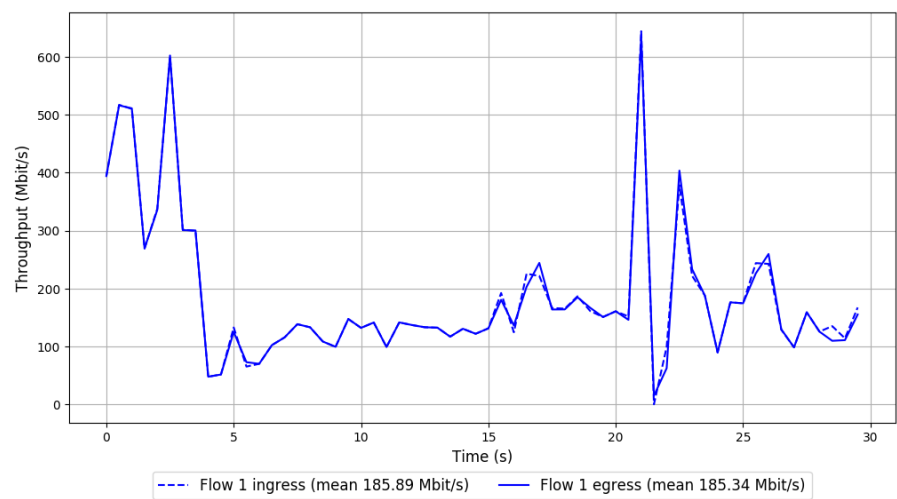


Run 1: Statistics of Verus

Start at: 2018-01-16 10:14:29
End at: 2018-01-16 10:14:59
Local clock offset: -4.944 ms
Remote clock offset: -2.881 ms

Below is generated by plot.py at 2018-01-16 19:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.34 Mbit/s
95th percentile per-packet one-way delay: 36.607 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 185.34 Mbit/s
95th percentile per-packet one-way delay: 36.607 ms
Loss rate: 0.36%

Run 1: Report of Verus — Data Link

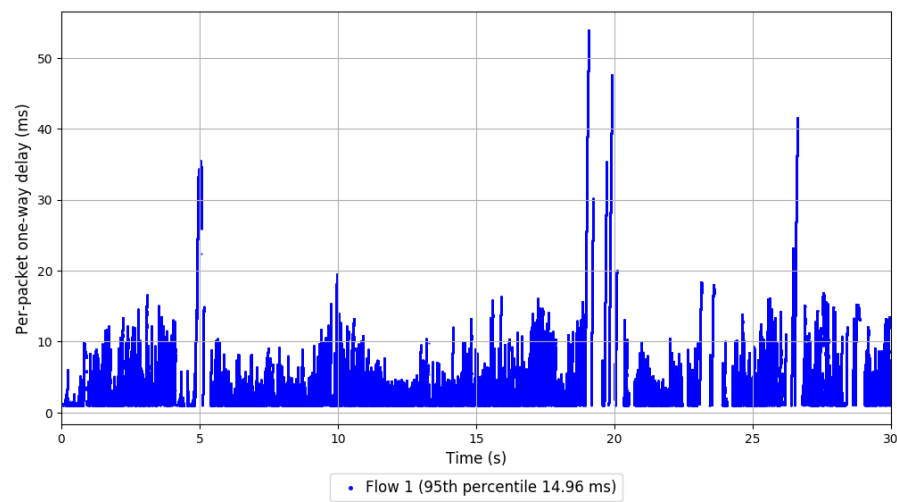
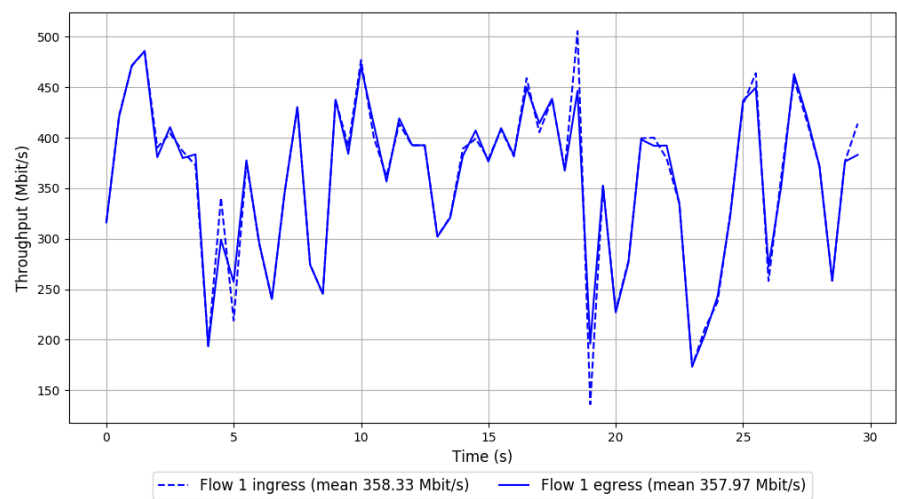


Run 2: Statistics of Verus

Start at: 2018-01-16 10:39:57
End at: 2018-01-16 10:40:27
Local clock offset: -5.018 ms
Remote clock offset: -2.234 ms

Below is generated by plot.py at 2018-01-16 19:49:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 357.97 Mbit/s
95th percentile per-packet one-way delay: 14.963 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 357.97 Mbit/s
95th percentile per-packet one-way delay: 14.963 ms
Loss rate: 0.14%

Run 2: Report of Verus — Data Link

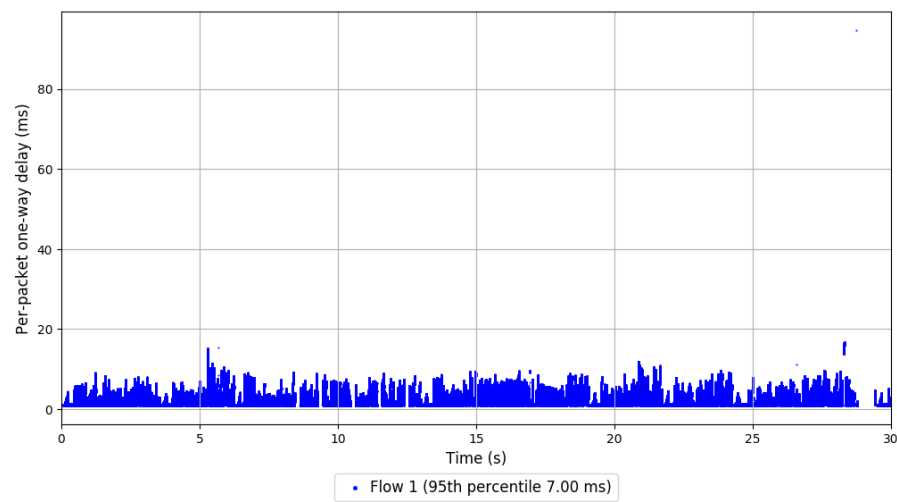
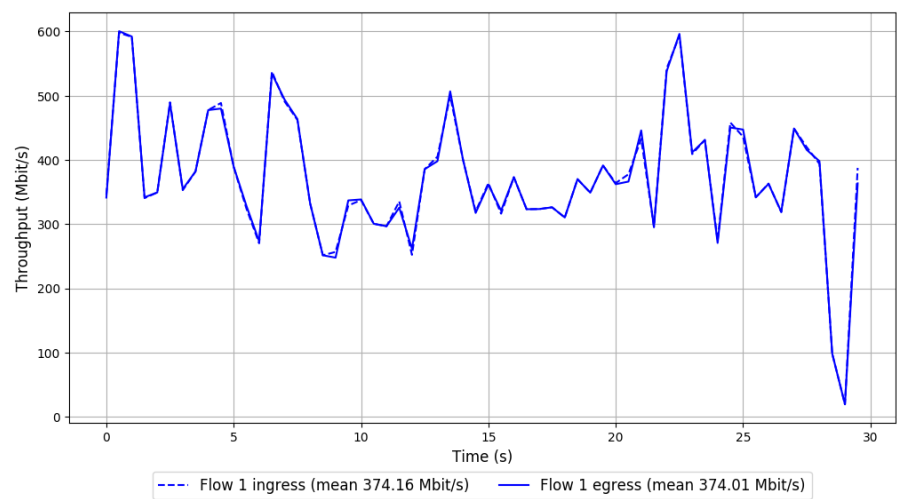


Run 3: Statistics of Verus

Start at: 2018-01-16 11:06:08
End at: 2018-01-16 11:06:38
Local clock offset: -5.193 ms
Remote clock offset: -1.473 ms

Below is generated by plot.py at 2018-01-16 19:49:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 374.01 Mbit/s
95th percentile per-packet one-way delay: 6.999 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 374.01 Mbit/s
95th percentile per-packet one-way delay: 6.999 ms
Loss rate: 0.11%

Run 3: Report of Verus — Data Link

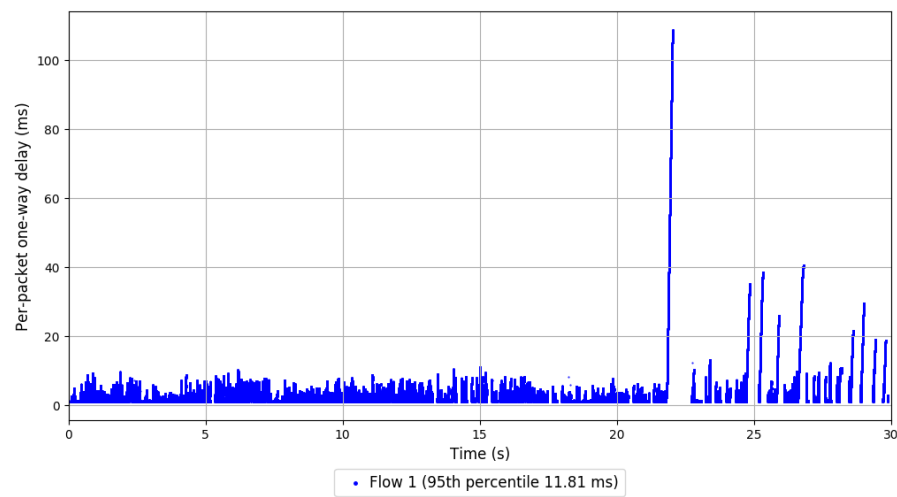
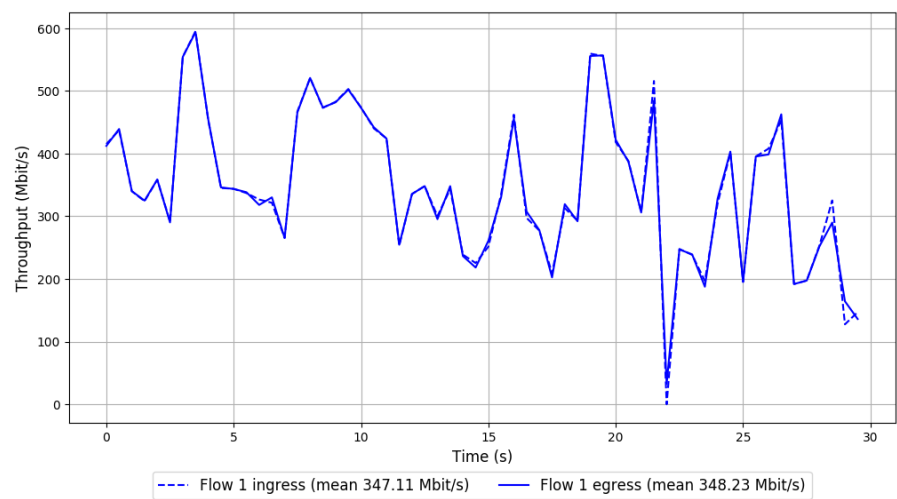


Run 4: Statistics of Verus

Start at: 2018-01-16 11:32:17
End at: 2018-01-16 11:32:48
Local clock offset: -5.232 ms
Remote clock offset: -1.477 ms

Below is generated by plot.py at 2018-01-16 19:49:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 348.23 Mbit/s
95th percentile per-packet one-way delay: 11.814 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 348.23 Mbit/s
95th percentile per-packet one-way delay: 11.814 ms
Loss rate: 0.05%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-16 11:57:20

End at: 2018-01-16 11:57:50

Local clock offset: -4.97 ms

Remote clock offset: -1.95 ms

Below is generated by plot.py at 2018-01-16 19:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 404.83 Mbit/s

95th percentile per-packet one-way delay: 11.202 ms

Loss rate: 0.14%

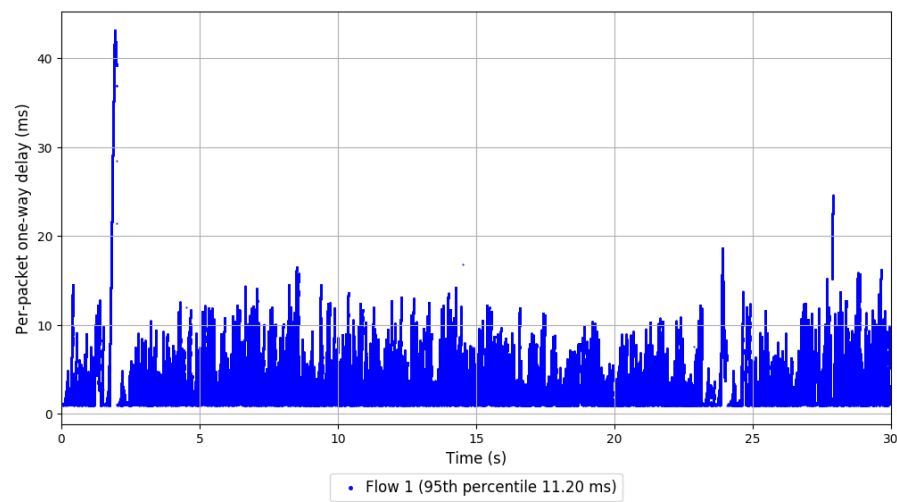
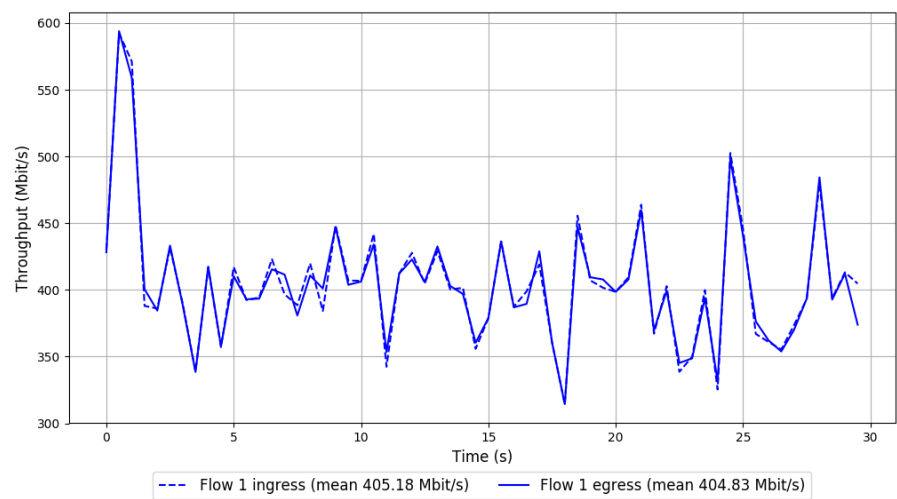
-- Flow 1:

Average throughput: 404.83 Mbit/s

95th percentile per-packet one-way delay: 11.202 ms

Loss rate: 0.14%

Run 5: Report of Verus — Data Link

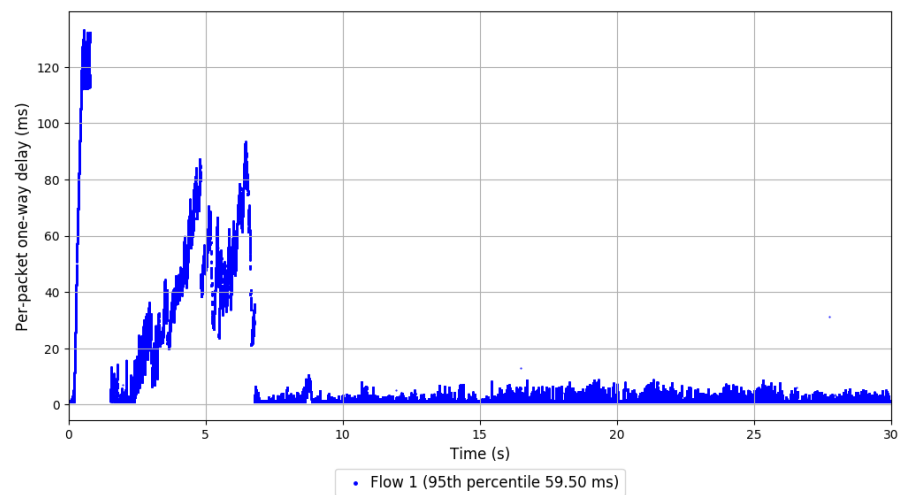
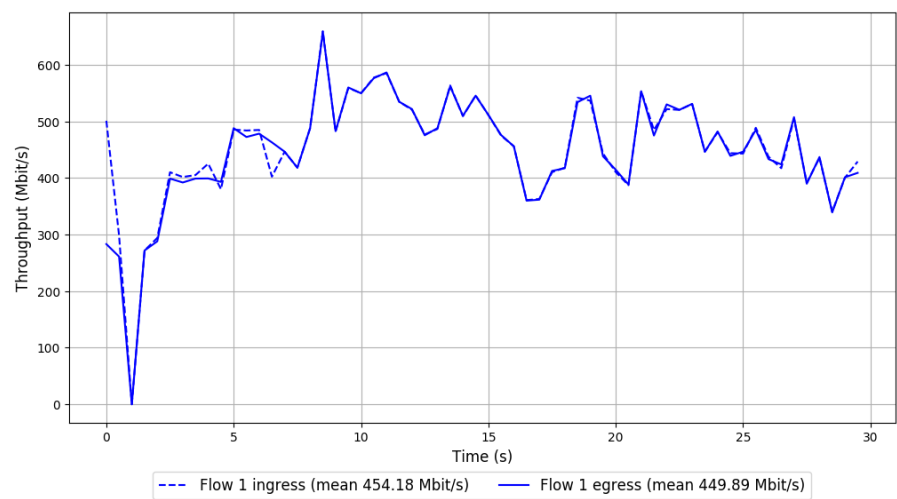


Run 6: Statistics of Verus

Start at: 2018-01-16 12:22:53
End at: 2018-01-16 12:23:23
Local clock offset: -4.966 ms
Remote clock offset: -1.834 ms

Below is generated by plot.py at 2018-01-16 19:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 449.89 Mbit/s
95th percentile per-packet one-way delay: 59.501 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 449.89 Mbit/s
95th percentile per-packet one-way delay: 59.501 ms
Loss rate: 1.01%

Run 6: Report of Verus — Data Link

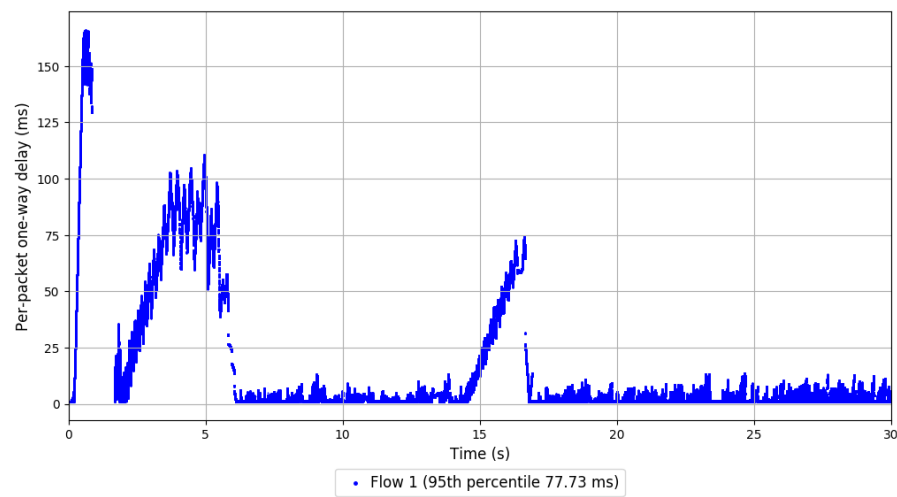
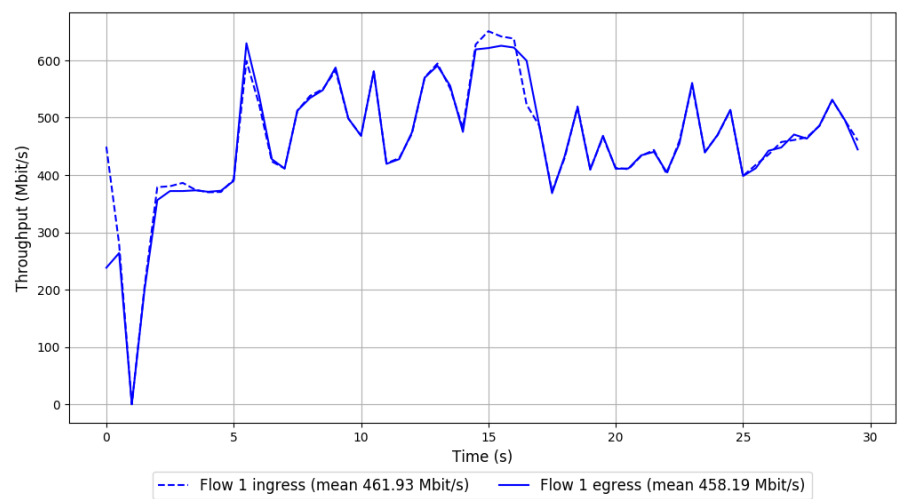


Run 7: Statistics of Verus

Start at: 2018-01-16 12:48:41
End at: 2018-01-16 12:49:11
Local clock offset: -5.183 ms
Remote clock offset: -2.042 ms

Below is generated by plot.py at 2018-01-16 19:53:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 458.19 Mbit/s
95th percentile per-packet one-way delay: 77.729 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 458.19 Mbit/s
95th percentile per-packet one-way delay: 77.729 ms
Loss rate: 0.88%

Run 7: Report of Verus — Data Link

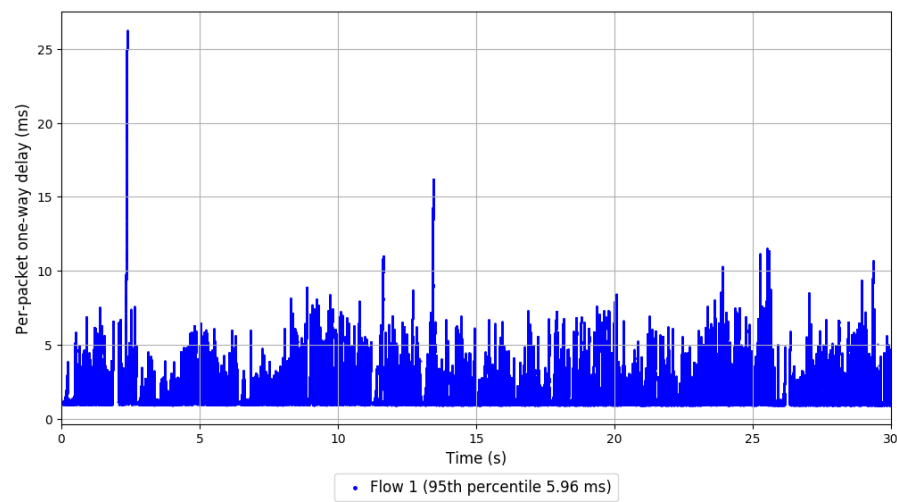
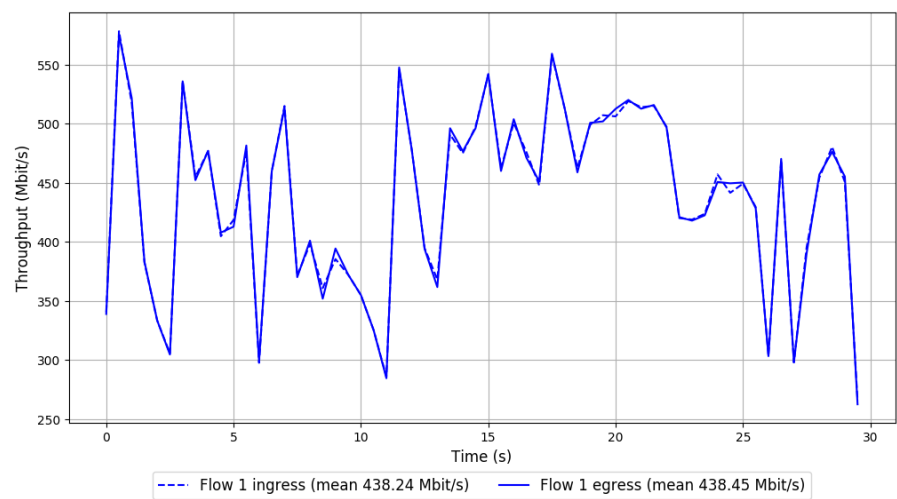


Run 8: Statistics of Verus

Start at: 2018-01-16 13:13:56
End at: 2018-01-16 13:14:26
Local clock offset: -5.34 ms
Remote clock offset: -1.752 ms

Below is generated by plot.py at 2018-01-16 19:53:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 438.45 Mbit/s
95th percentile per-packet one-way delay: 5.961 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 438.45 Mbit/s
95th percentile per-packet one-way delay: 5.961 ms
Loss rate: 0.02%

Run 8: Report of Verus — Data Link

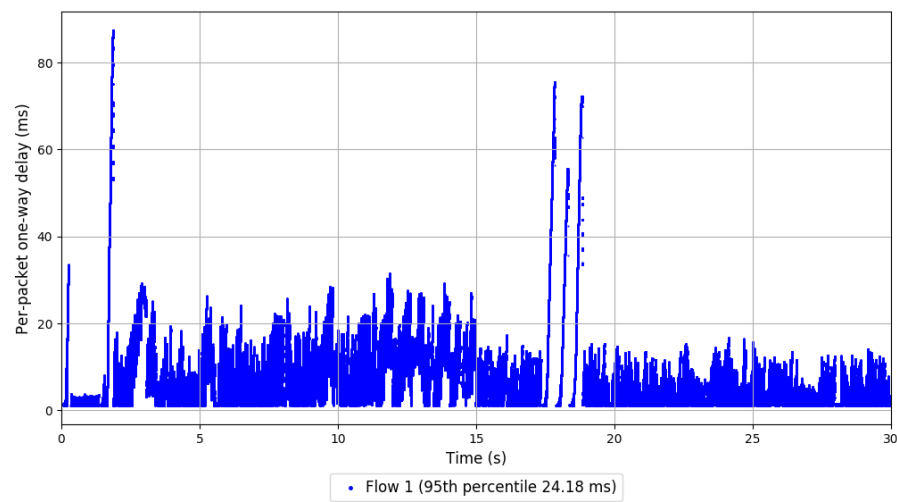
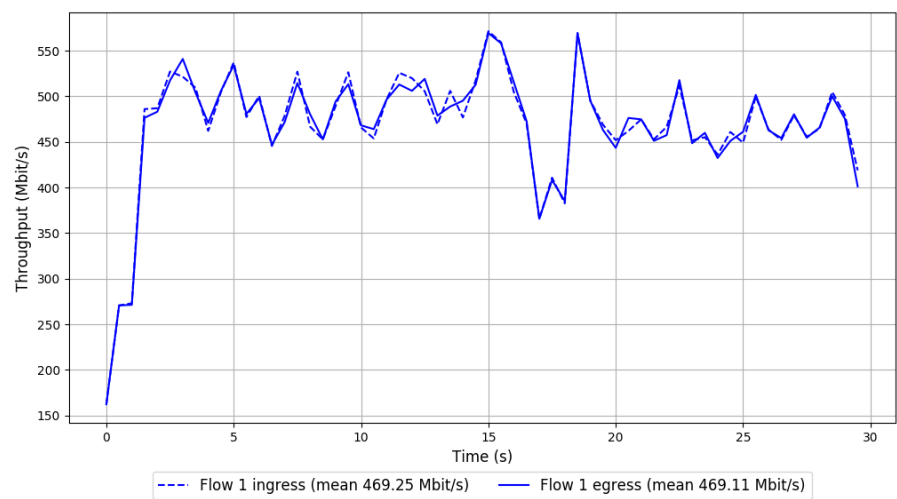


Run 9: Statistics of Verus

Start at: 2018-01-16 13:39:56
End at: 2018-01-16 13:40:26
Local clock offset: -4.272 ms
Remote clock offset: -1.594 ms

Below is generated by plot.py at 2018-01-16 19:55:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.11 Mbit/s
95th percentile per-packet one-way delay: 24.184 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 469.11 Mbit/s
95th percentile per-packet one-way delay: 24.184 ms
Loss rate: 0.09%

Run 9: Report of Verus — Data Link

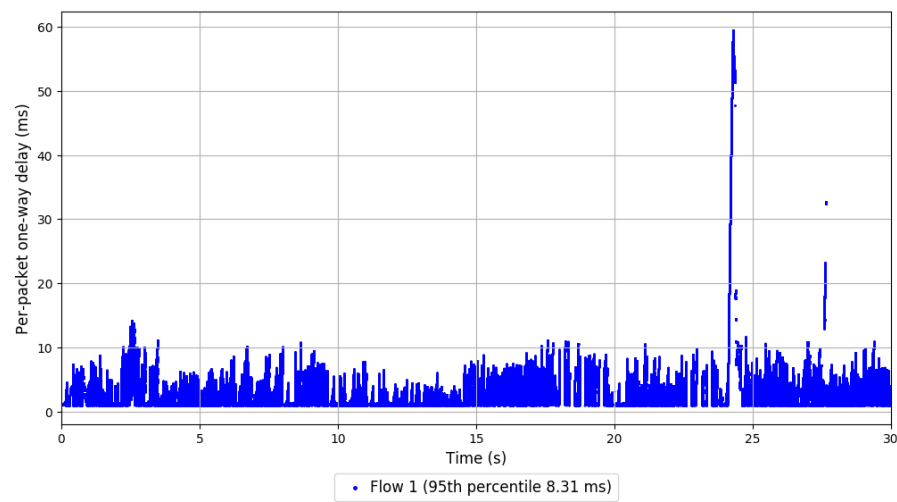
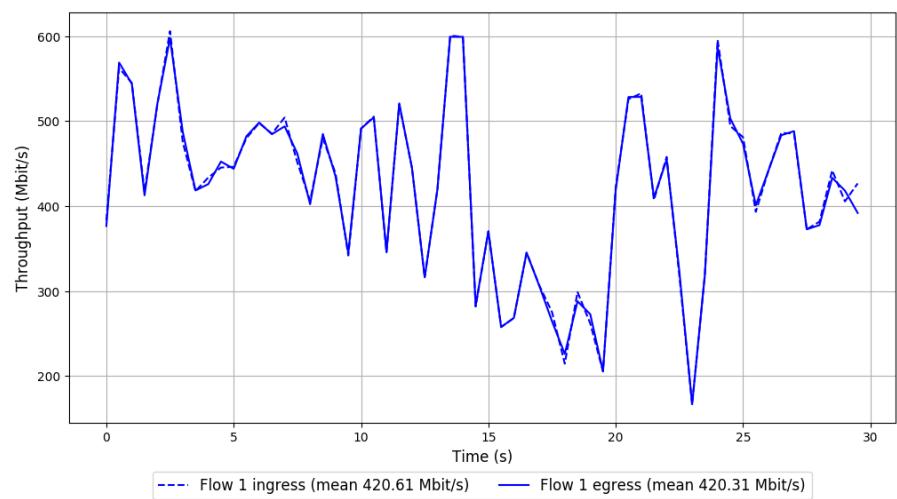


Run 10: Statistics of Verus

Start at: 2018-01-16 14:05:54
End at: 2018-01-16 14:06:25
Local clock offset: -4.369 ms
Remote clock offset: -1.789 ms

Below is generated by plot.py at 2018-01-16 19:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 420.31 Mbit/s
95th percentile per-packet one-way delay: 8.308 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 420.31 Mbit/s
95th percentile per-packet one-way delay: 8.308 ms
Loss rate: 0.14%

Run 10: Report of Verus — Data Link

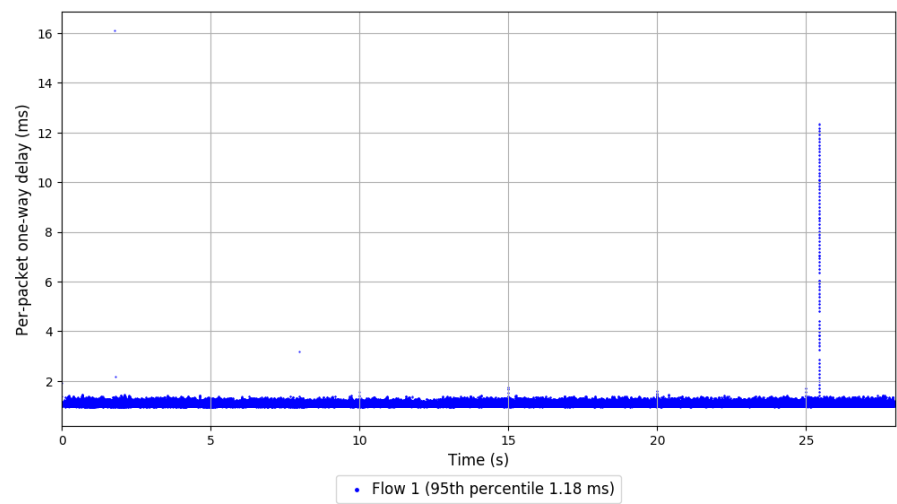
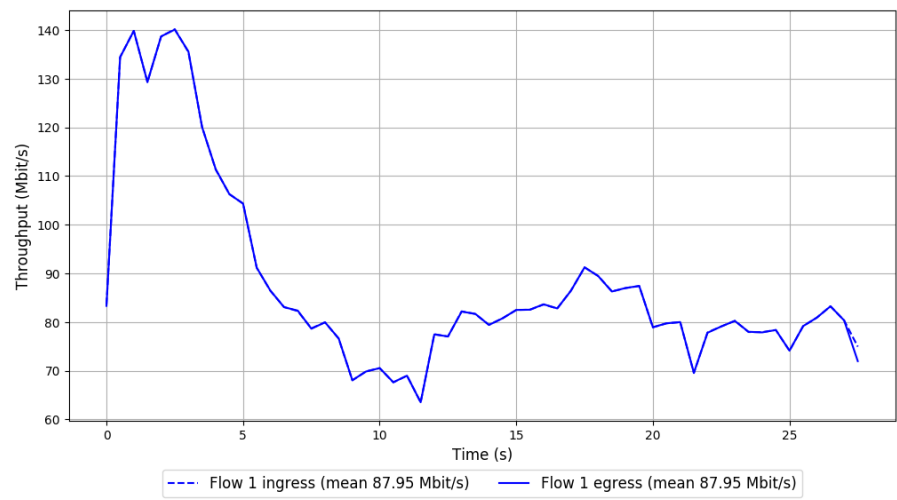


Run 1: Statistics of Copa

Start at: 2018-01-16 10:02:31
End at: 2018-01-16 10:03:01
Local clock offset: -4.885 ms
Remote clock offset: -2.997 ms

Below is generated by plot.py at 2018-01-16 19:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.06%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

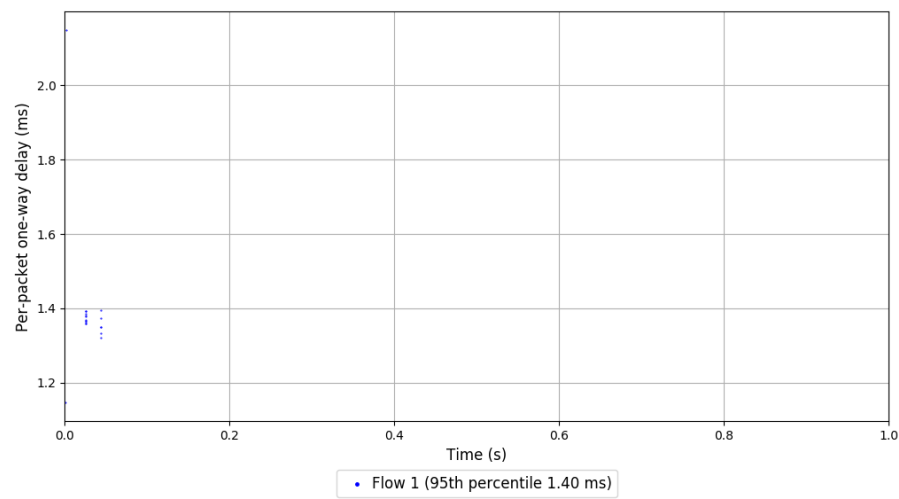
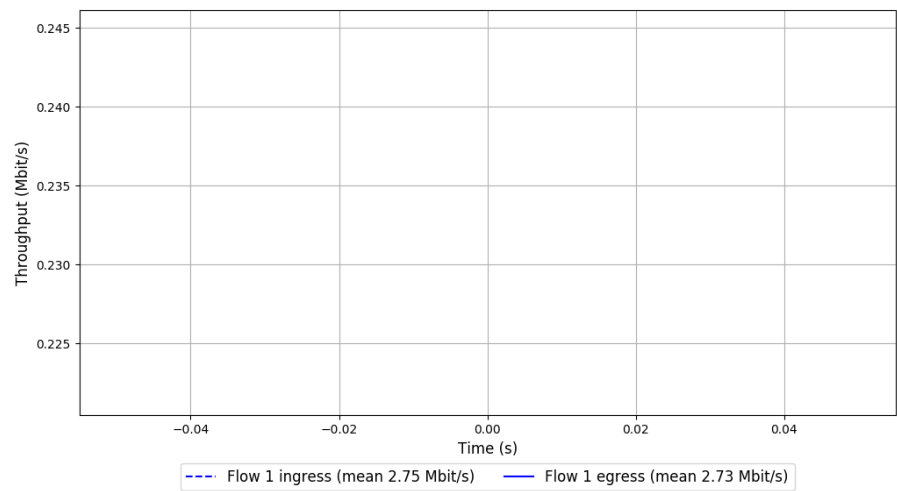
Start at: 2018-01-16 10:28:18

End at: 2018-01-16 10:28:48

Local clock offset: -5.017 ms

Remote clock offset: -2.636 ms

Run 2: Report of Copa — Data Link

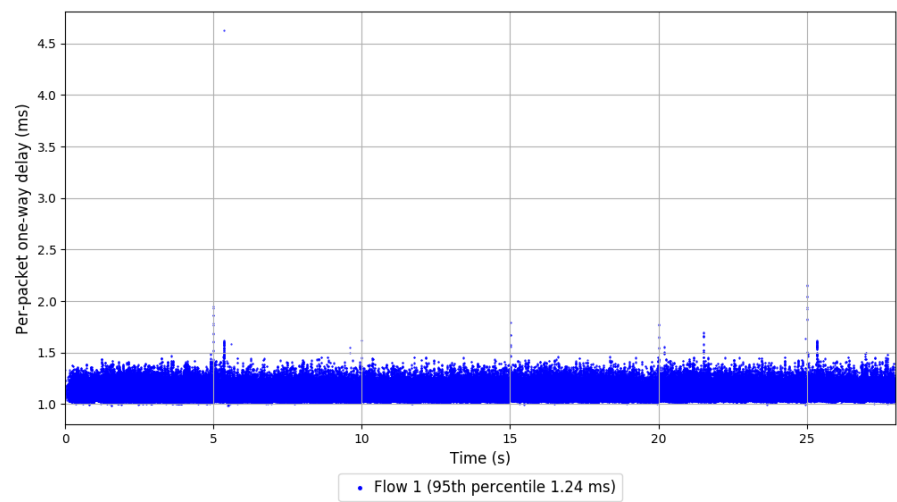
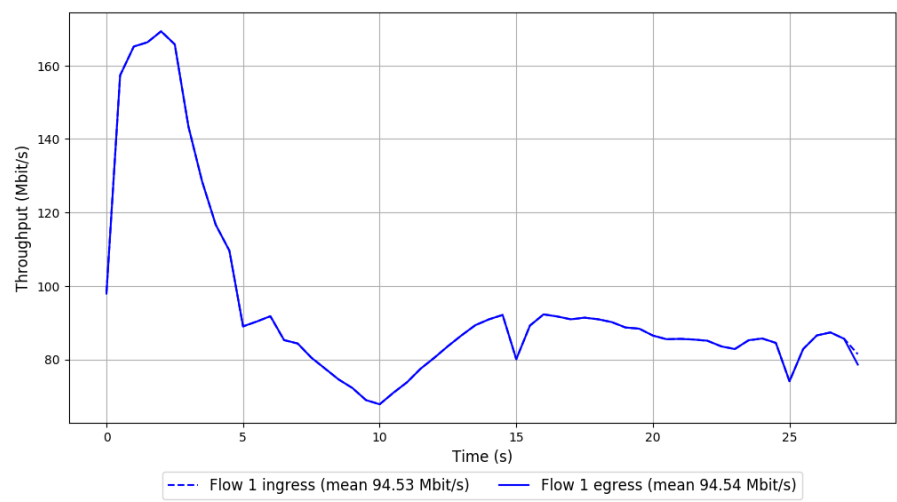


Run 3: Statistics of Copa

Start at: 2018-01-16 10:54:07
End at: 2018-01-16 10:54:38
Local clock offset: -5.062 ms
Remote clock offset: -1.864 ms

Below is generated by plot.py at 2018-01-16 19:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.06%

Run 3: Report of Copa — Data Link

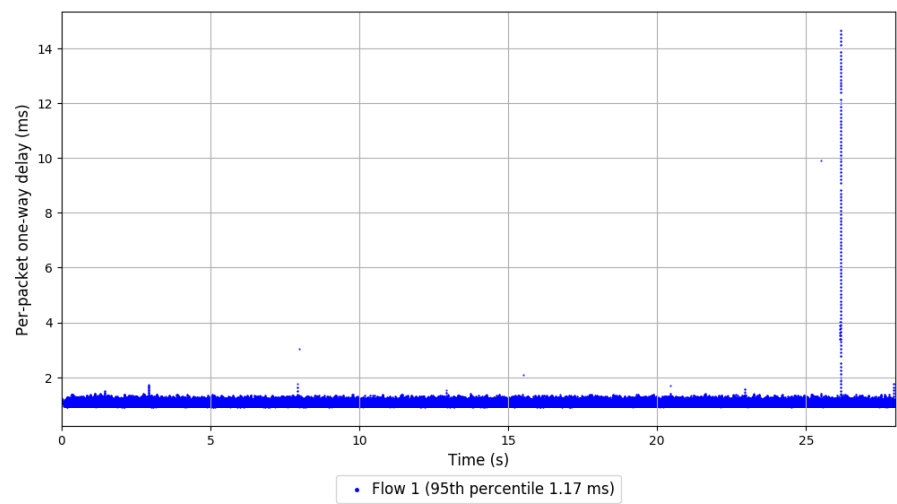
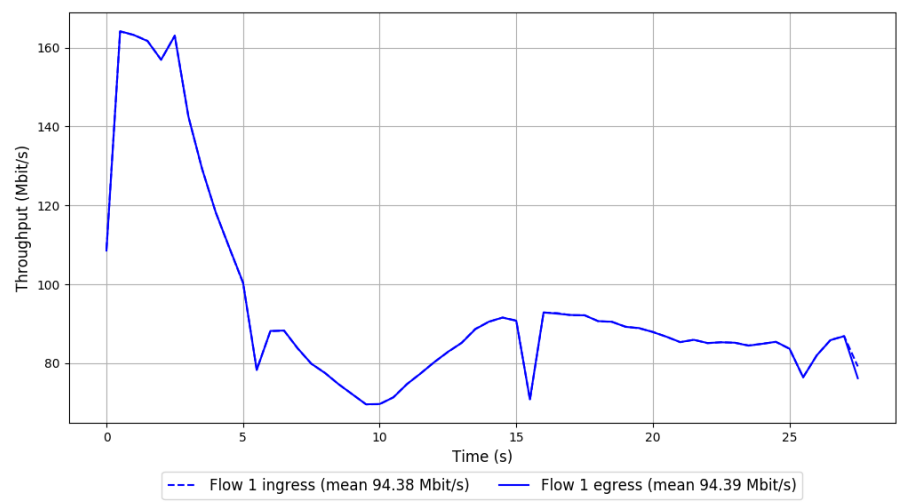


Run 4: Statistics of Copa

Start at: 2018-01-16 11:20:22
End at: 2018-01-16 11:20:52
Local clock offset: -5.201 ms
Remote clock offset: -1.385 ms

Below is generated by plot.py at 2018-01-16 19:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.06%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-16 11:46:04

End at: 2018-01-16 11:46:34

Local clock offset: -5.157 ms

Remote clock offset: -1.77 ms

Below is generated by plot.py at 2018-01-16 19:55:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.61 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.06%

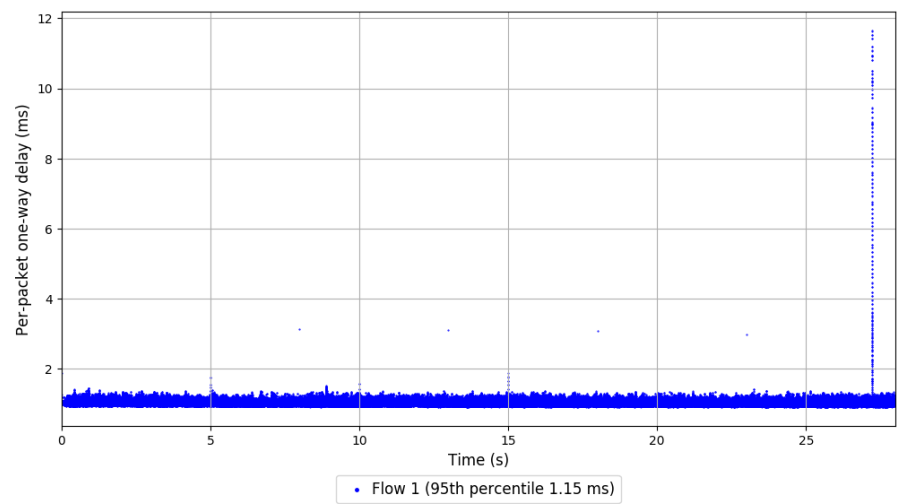
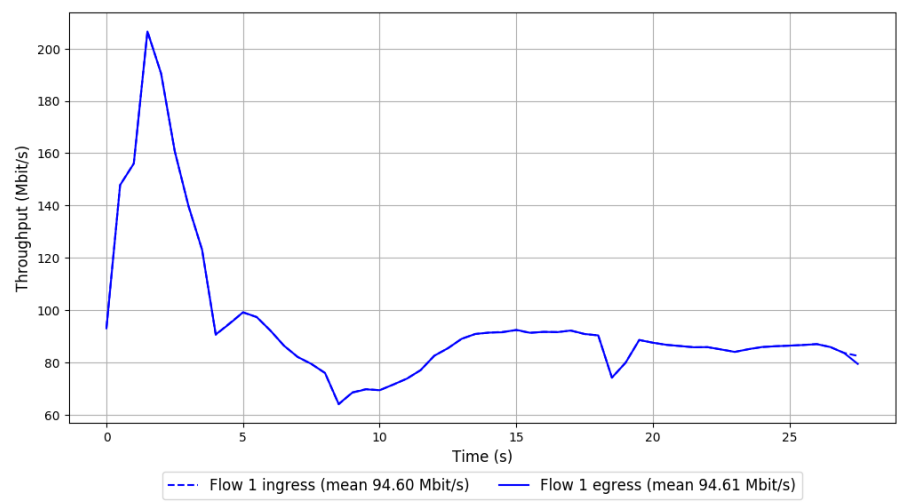
-- Flow 1:

Average throughput: 94.61 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.06%

Run 5: Report of Copa — Data Link

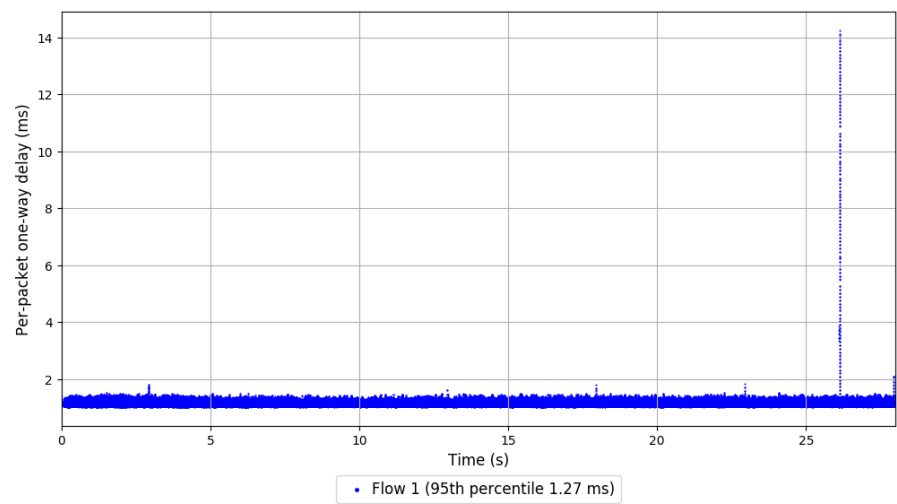
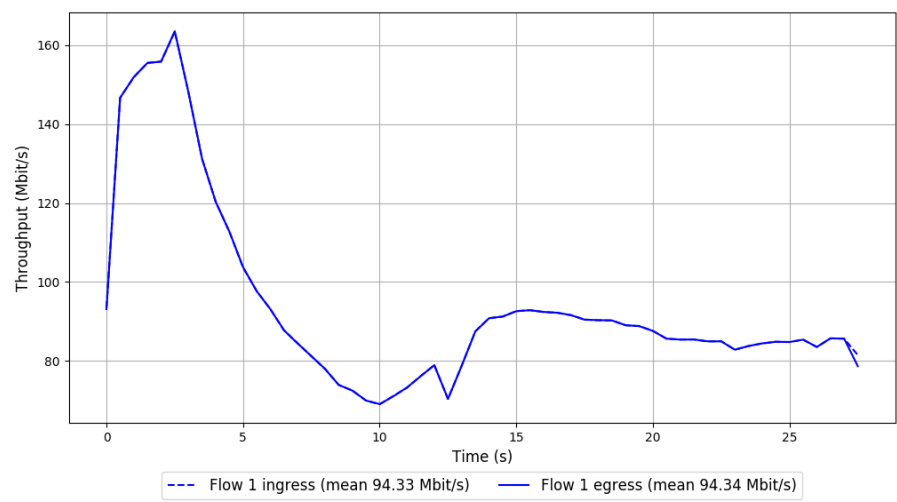


Run 6: Statistics of Copa

Start at: 2018-01-16 12:11:08
End at: 2018-01-16 12:11:38
Local clock offset: -4.908 ms
Remote clock offset: -2.043 ms

Below is generated by plot.py at 2018-01-16 19:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.06%

Run 6: Report of Copa — Data Link

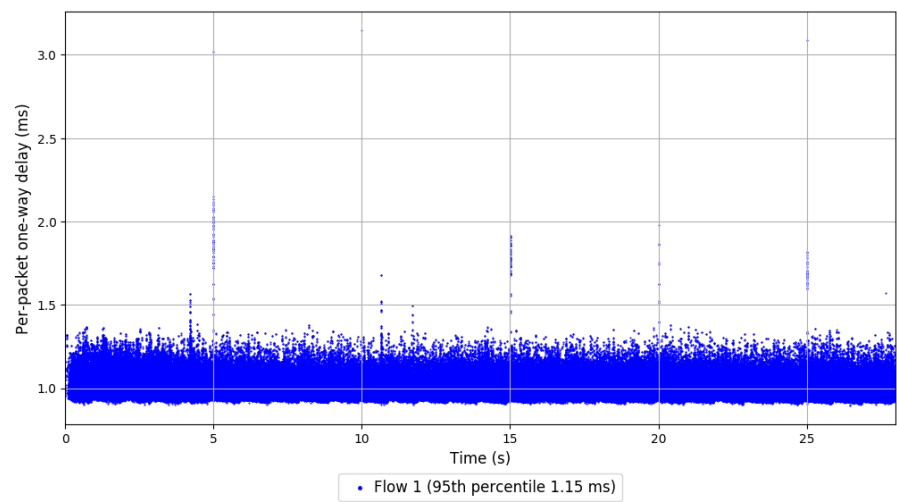
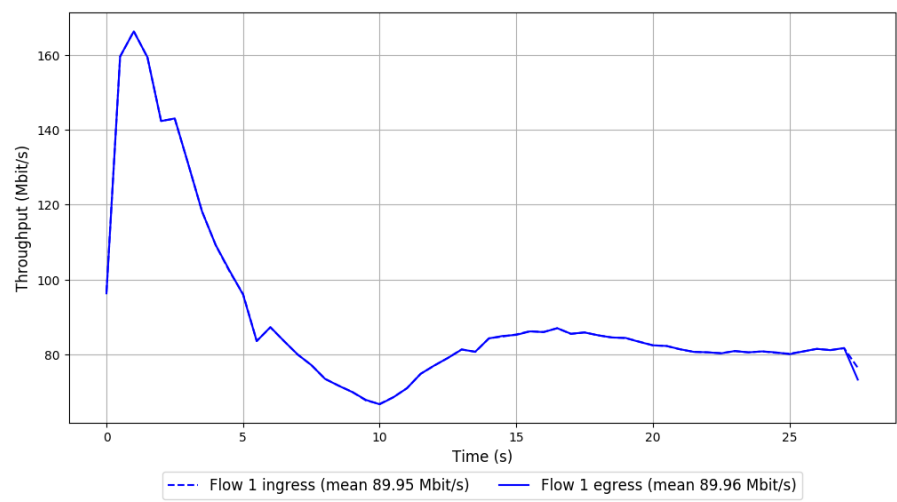


Run 7: Statistics of Copa

Start at: 2018-01-16 12:37:06
End at: 2018-01-16 12:37:36
Local clock offset: -5.023 ms
Remote clock offset: -1.832 ms

Below is generated by plot.py at 2018-01-16 19:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.07%

Run 7: Report of Copa — Data Link

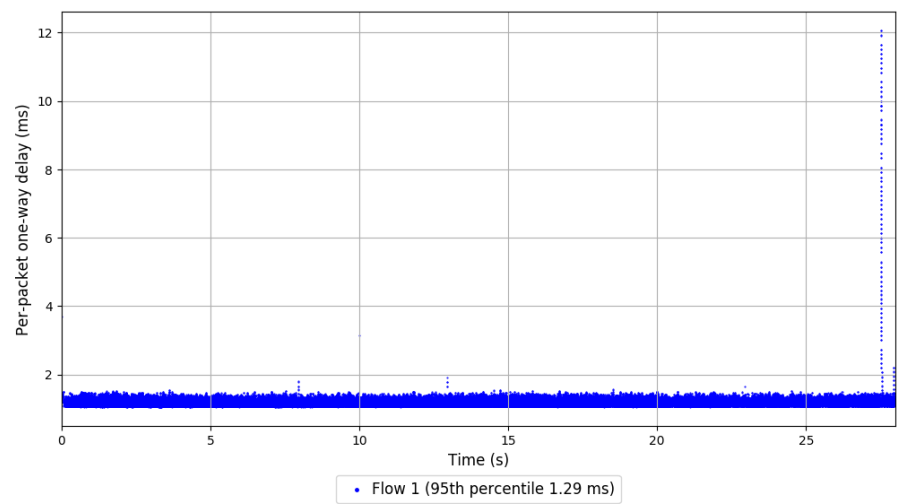
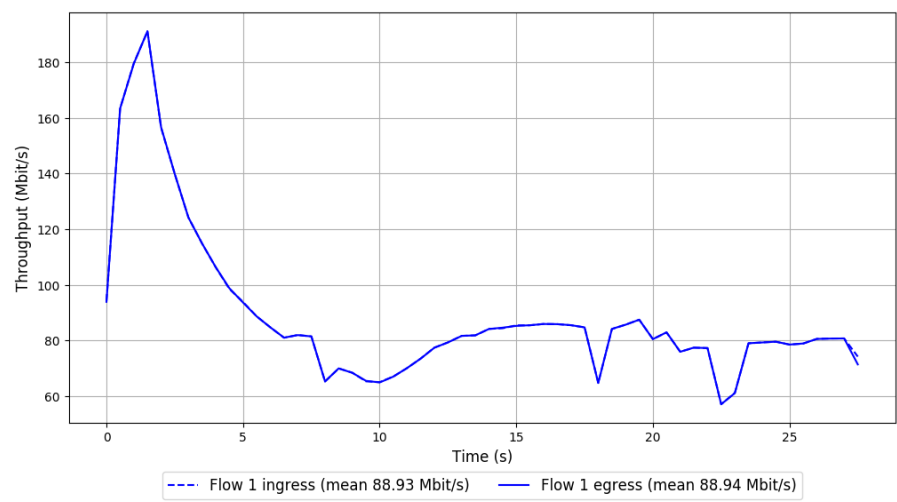


Run 8: Statistics of Copa

Start at: 2018-01-16 13:02:28
End at: 2018-01-16 13:02:58
Local clock offset: -5.208 ms
Remote clock offset: -1.843 ms

Below is generated by plot.py at 2018-01-16 19:55:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.06%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-16 13:28:15

End at: 2018-01-16 13:28:45

Local clock offset: -4.781 ms

Remote clock offset: -1.65 ms

Below is generated by plot.py at 2018-01-16 19:55:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.12 Mbit/s

95th percentile per-packet one-way delay: 1.267 ms

Loss rate: 0.07%

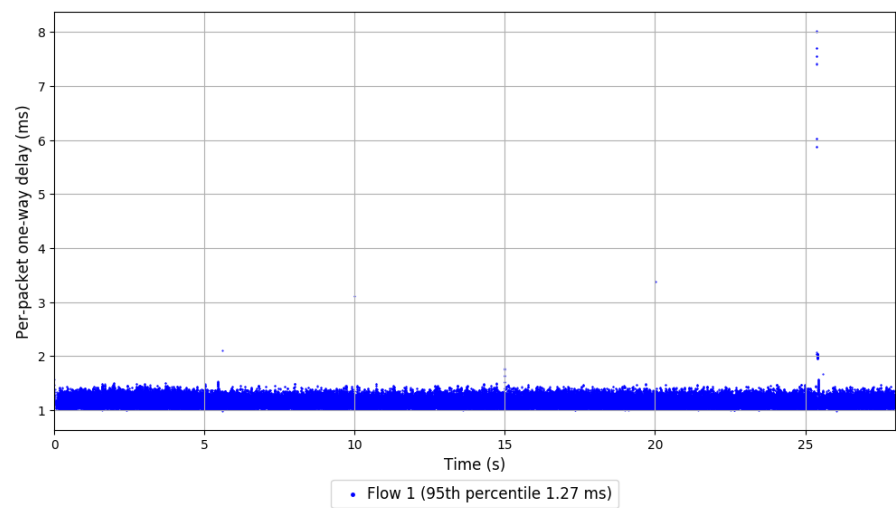
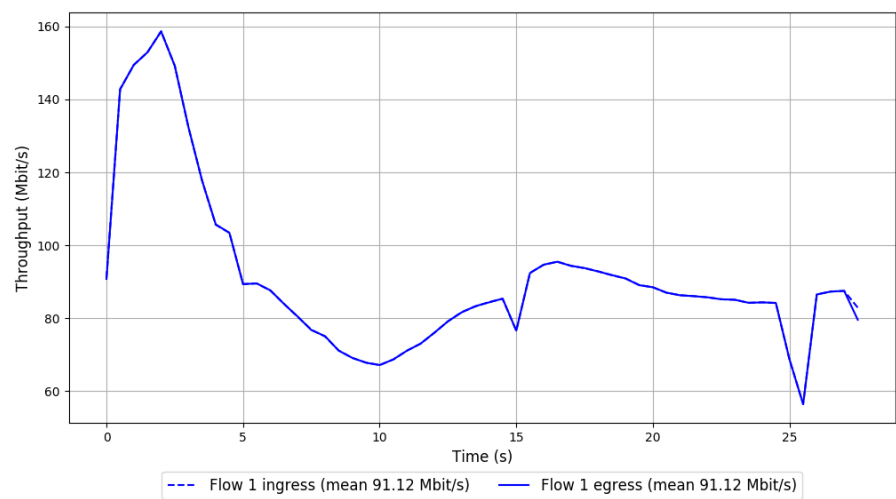
-- Flow 1:

Average throughput: 91.12 Mbit/s

95th percentile per-packet one-way delay: 1.267 ms

Loss rate: 0.07%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-16 13:54:03

End at: 2018-01-16 13:54:33

Local clock offset: -4.35 ms

Remote clock offset: -1.543 ms

Below is generated by plot.py at 2018-01-16 19:56:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 1.280 ms

Loss rate: 0.07%

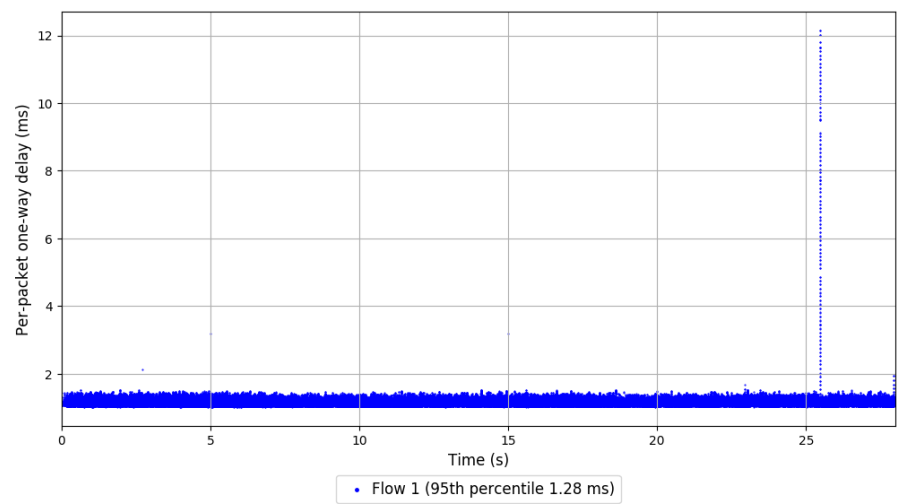
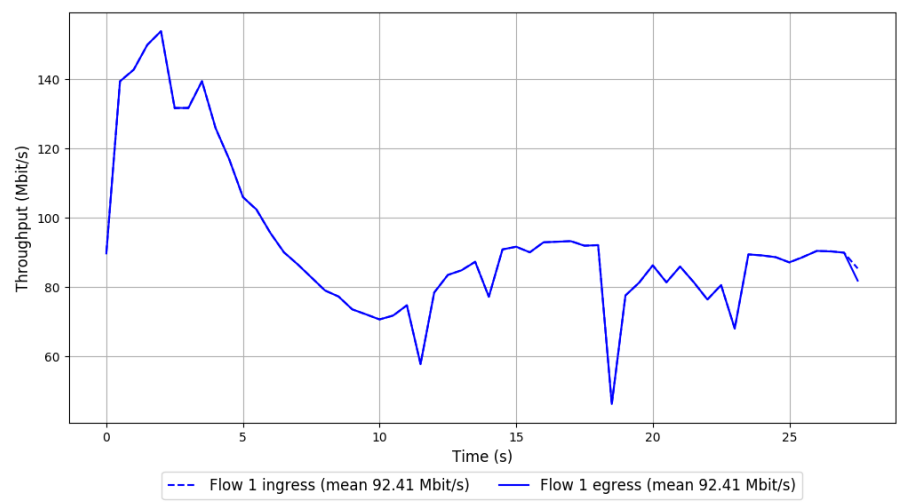
-- Flow 1:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 1.280 ms

Loss rate: 0.07%

Run 10: Report of Copa — Data Link

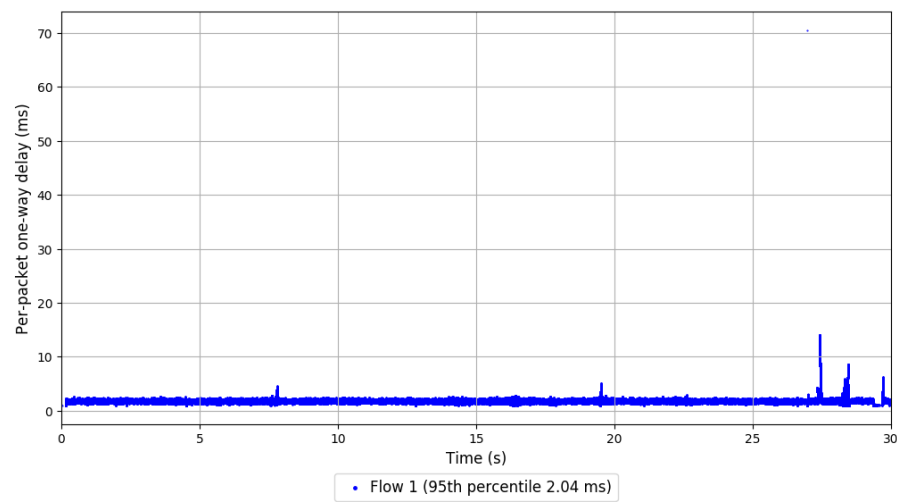
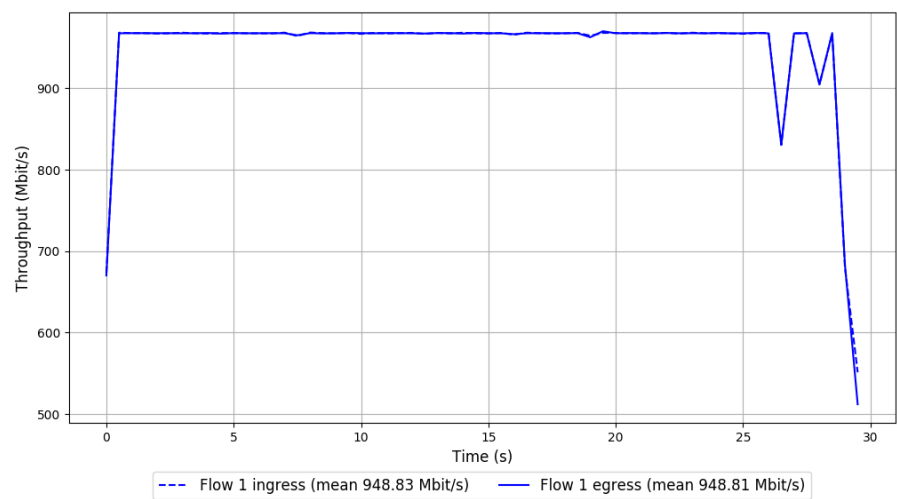


Run 1: Statistics of FillP

Start at: 2018-01-16 10:21:20
End at: 2018-01-16 10:21:50
Local clock offset: -5.093 ms
Remote clock offset: -2.861 ms

Below is generated by plot.py at 2018-01-16 20:08:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 948.81 Mbit/s
95th percentile per-packet one-way delay: 2.043 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 948.81 Mbit/s
95th percentile per-packet one-way delay: 2.043 ms
Loss rate: 0.07%

Run 1: Report of FillP — Data Link

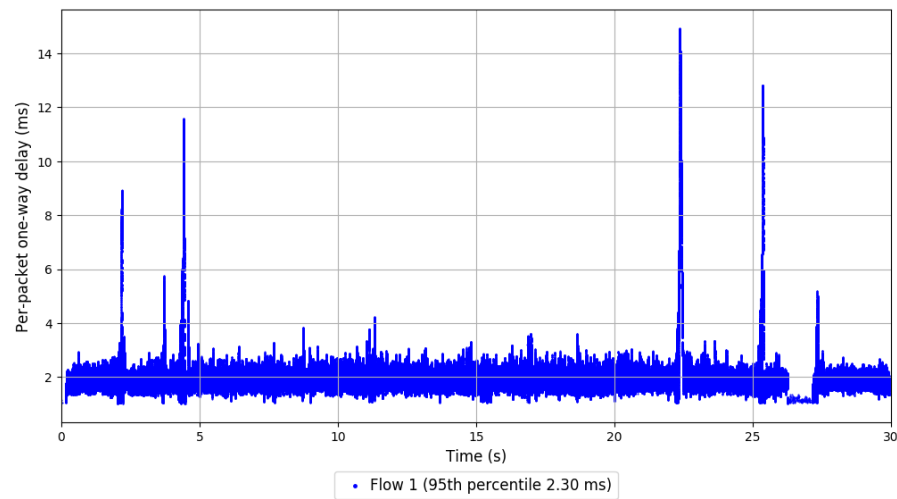
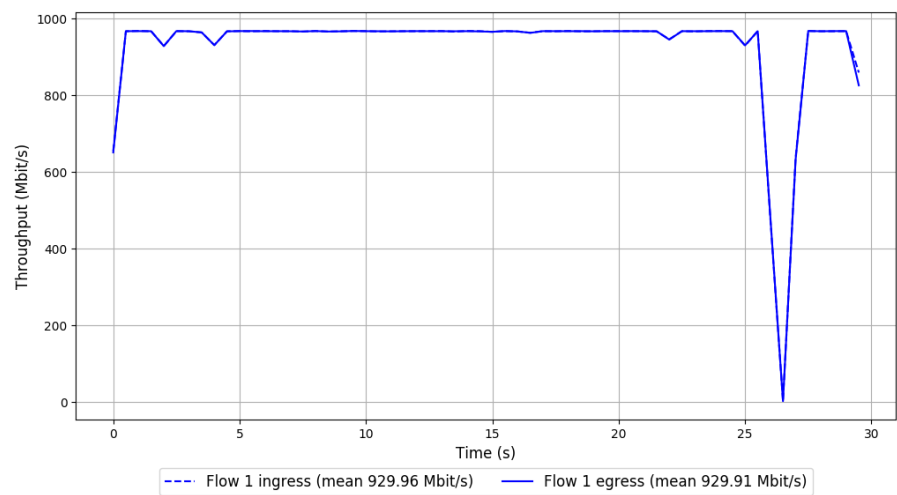


Run 2: Statistics of FillP

Start at: 2018-01-16 10:46:55
End at: 2018-01-16 10:47:25
Local clock offset: -5.016 ms
Remote clock offset: -2.046 ms

Below is generated by plot.py at 2018-01-16 20:08:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 929.91 Mbit/s
95th percentile per-packet one-way delay: 2.298 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 929.91 Mbit/s
95th percentile per-packet one-way delay: 2.298 ms
Loss rate: 0.07%

Run 2: Report of FillP — Data Link

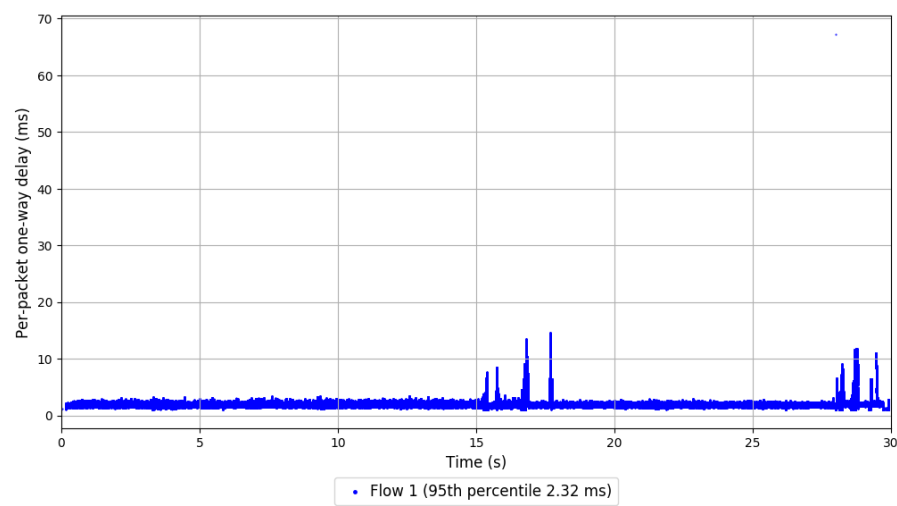
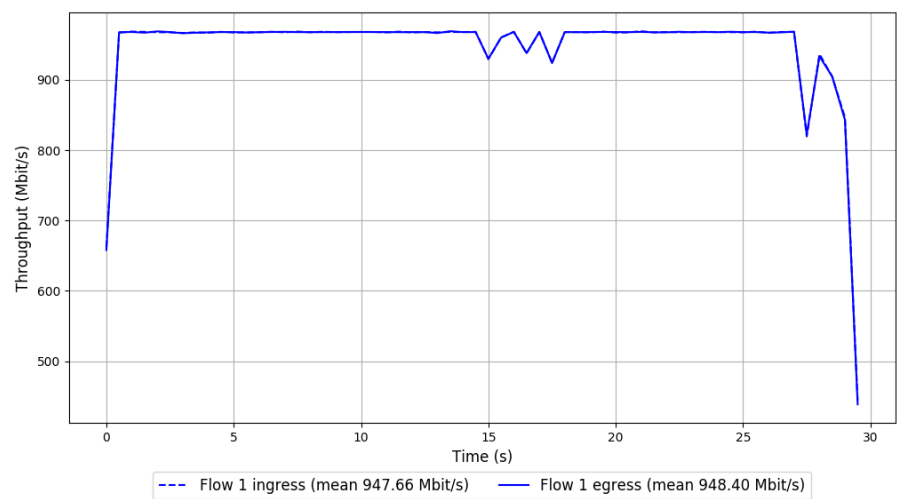


Run 3: Statistics of FillP

Start at: 2018-01-16 11:13:09
End at: 2018-01-16 11:13:39
Local clock offset: -5.121 ms
Remote clock offset: -1.408 ms

Below is generated by plot.py at 2018-01-16 20:09:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 948.40 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 948.40 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.02%

Run 3: Report of FillP — Data Link

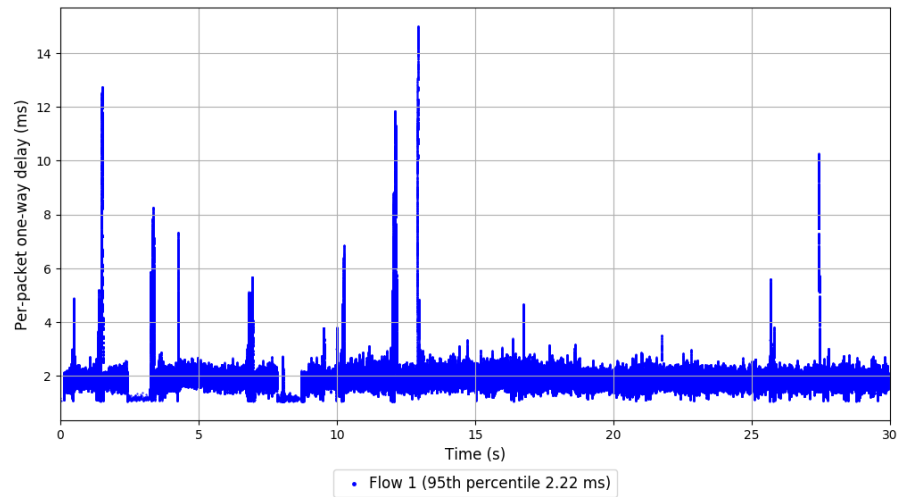
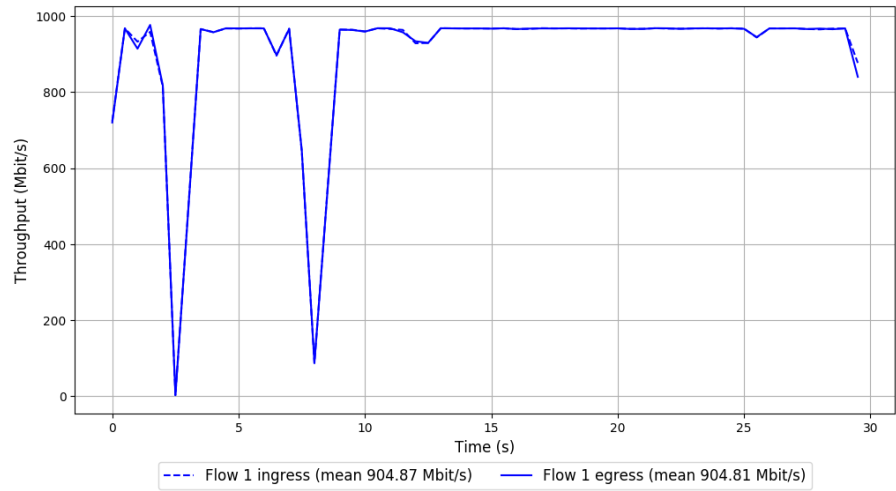


Run 4: Statistics of FillP

Start at: 2018-01-16 11:39:18
End at: 2018-01-16 11:39:48
Local clock offset: -5.105 ms
Remote clock offset: -1.605 ms

Below is generated by plot.py at 2018-01-16 20:09:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 904.81 Mbit/s
95th percentile per-packet one-way delay: 2.223 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 904.81 Mbit/s
95th percentile per-packet one-way delay: 2.223 ms
Loss rate: 0.07%

Run 4: Report of FillP — Data Link

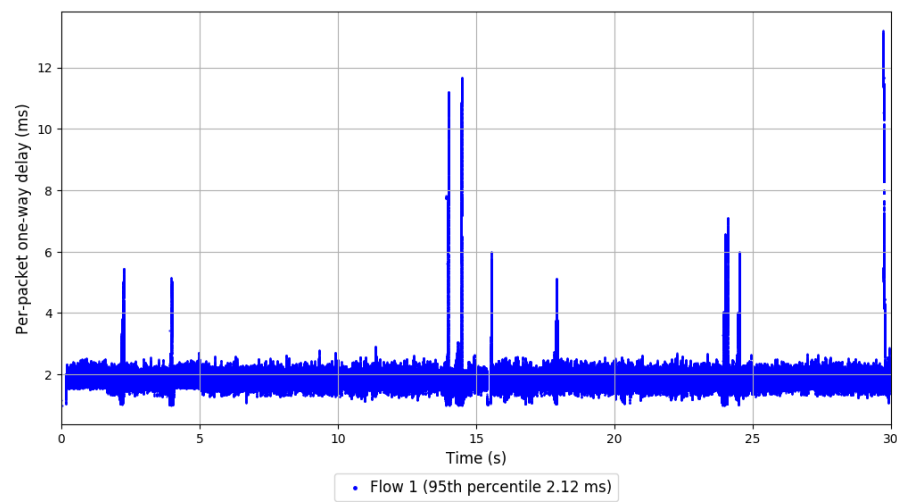
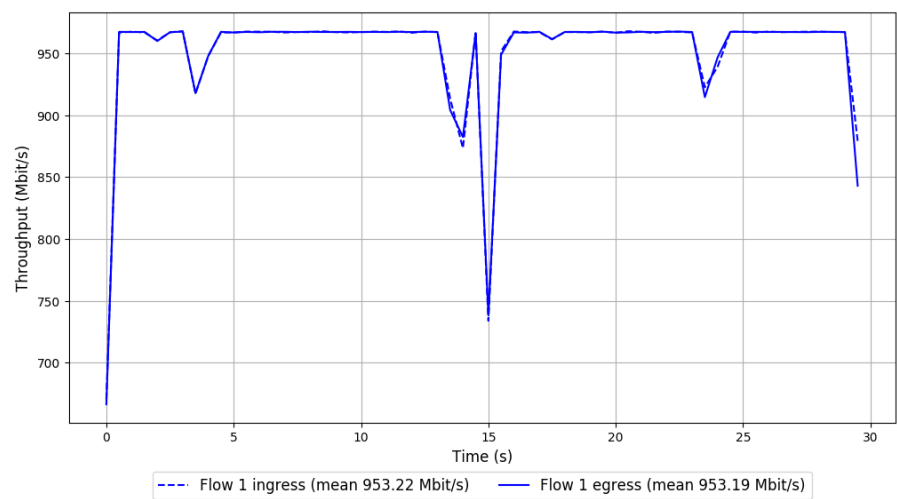


Run 5: Statistics of FillP

Start at: 2018-01-16 12:04:26
End at: 2018-01-16 12:04:56
Local clock offset: -4.95 ms
Remote clock offset: -2.107 ms

Below is generated by plot.py at 2018-01-16 20:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 953.19 Mbit/s
95th percentile per-packet one-way delay: 2.121 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 953.19 Mbit/s
95th percentile per-packet one-way delay: 2.121 ms
Loss rate: 0.07%

Run 5: Report of FillP — Data Link

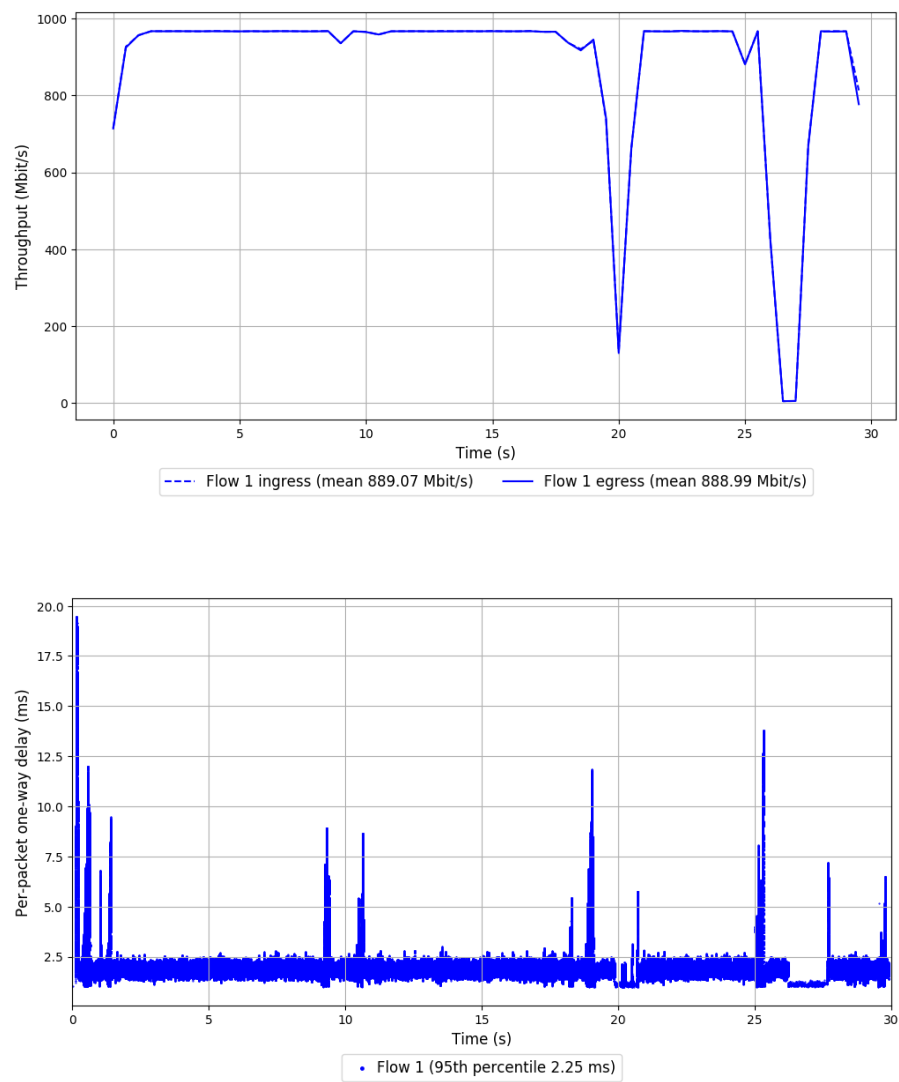


Run 6: Statistics of FillP

Start at: 2018-01-16 12:29:56
End at: 2018-01-16 12:30:26
Local clock offset: -4.986 ms
Remote clock offset: -1.741 ms

Below is generated by plot.py at 2018-01-16 20:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 888.99 Mbit/s
95th percentile per-packet one-way delay: 2.250 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 888.99 Mbit/s
95th percentile per-packet one-way delay: 2.250 ms
Loss rate: 0.07%

Run 6: Report of FillP — Data Link

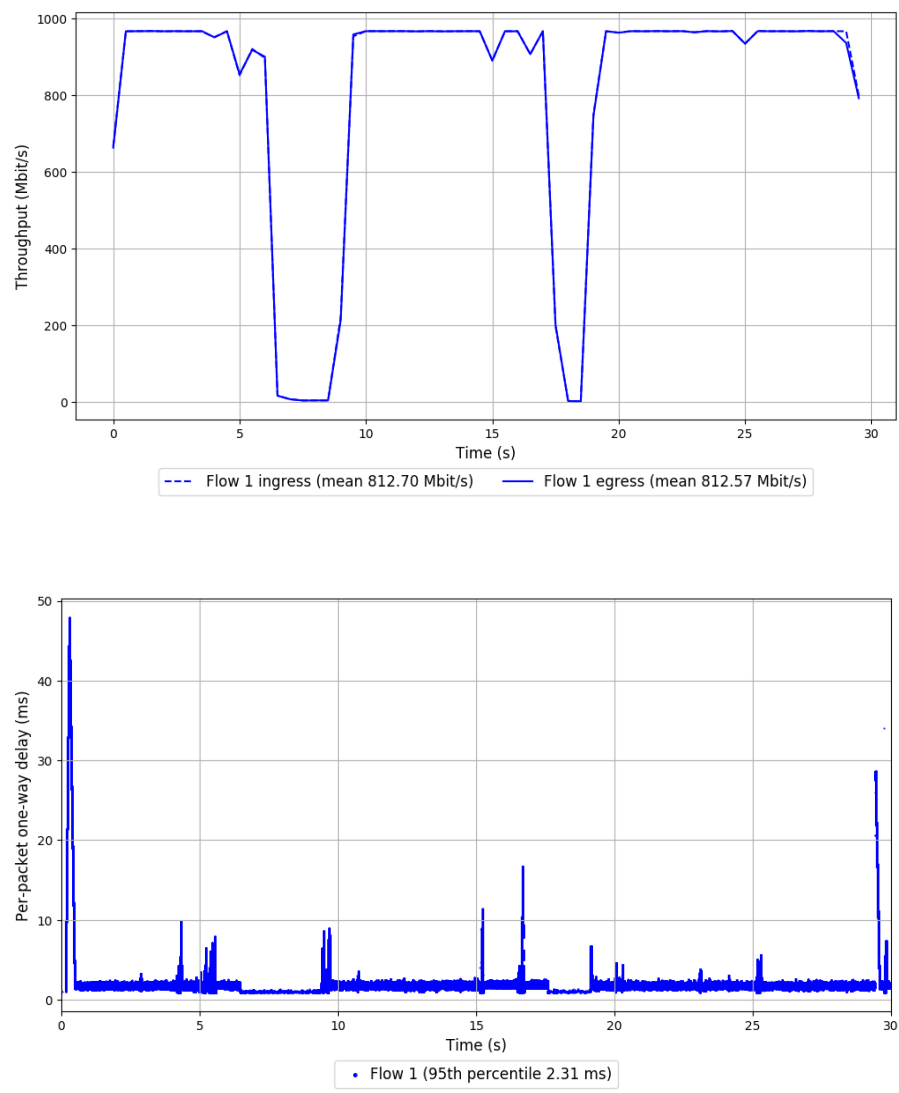


Run 7: Statistics of FillP

Start at: 2018-01-16 12:55:48
End at: 2018-01-16 12:56:18
Local clock offset: -5.241 ms
Remote clock offset: -1.845 ms

Below is generated by plot.py at 2018-01-16 20:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 812.57 Mbit/s
95th percentile per-packet one-way delay: 2.306 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 812.57 Mbit/s
95th percentile per-packet one-way delay: 2.306 ms
Loss rate: 0.08%

Run 7: Report of FillP — Data Link

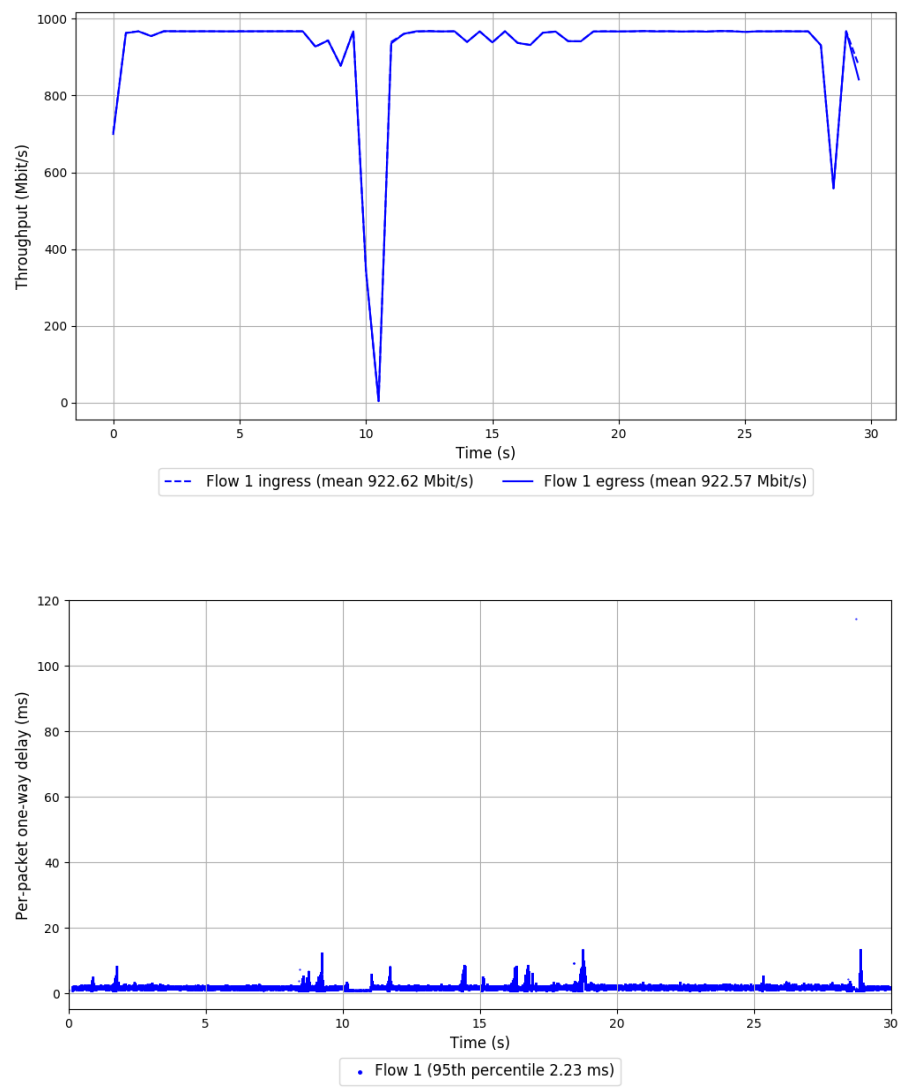


Run 8: Statistics of FillP

Start at: 2018-01-16 13:20:59
End at: 2018-01-16 13:21:29
Local clock offset: -4.899 ms
Remote clock offset: -1.588 ms

Below is generated by plot.py at 2018-01-16 20:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 922.57 Mbit/s
95th percentile per-packet one-way delay: 2.234 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 922.57 Mbit/s
95th percentile per-packet one-way delay: 2.234 ms
Loss rate: 0.07%

Run 8: Report of FillP — Data Link

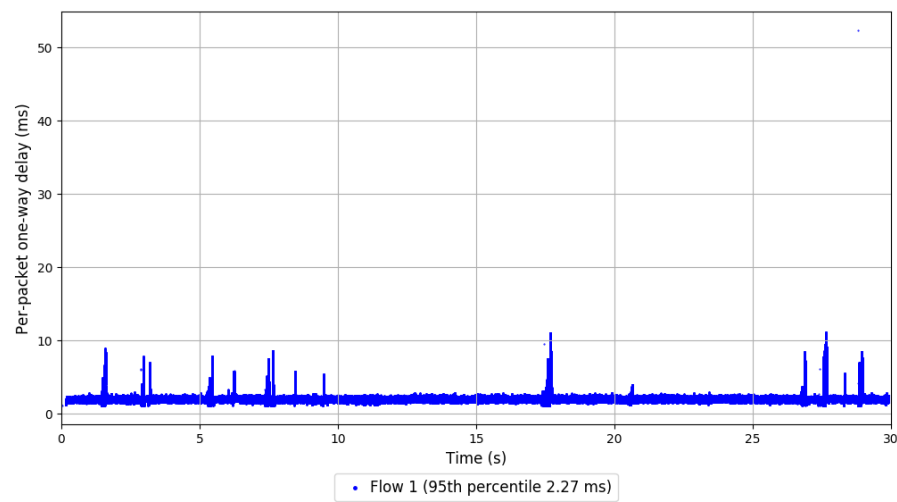
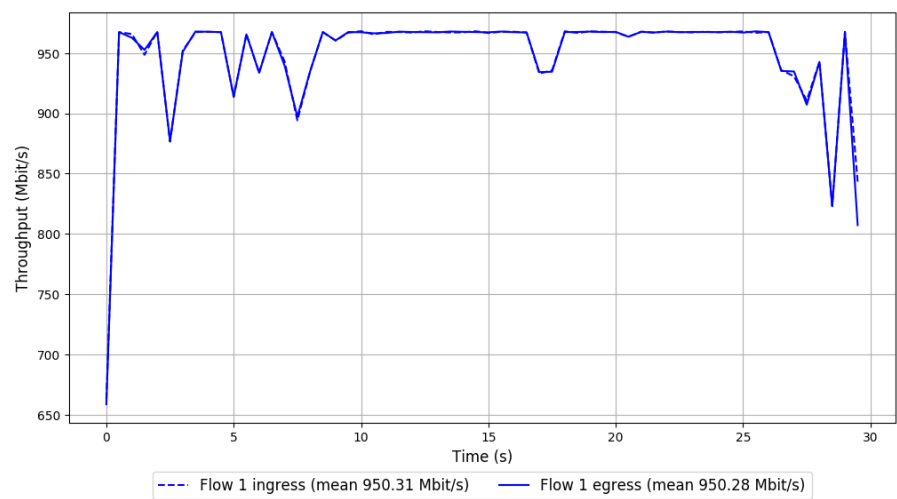


Run 9: Statistics of FillP

Start at: 2018-01-16 13:46:55
End at: 2018-01-16 13:47:25
Local clock offset: -4.308 ms
Remote clock offset: -1.582 ms

Below is generated by plot.py at 2018-01-16 20:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 950.28 Mbit/s
95th percentile per-packet one-way delay: 2.266 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 950.28 Mbit/s
95th percentile per-packet one-way delay: 2.266 ms
Loss rate: 0.07%

Run 9: Report of FillP — Data Link

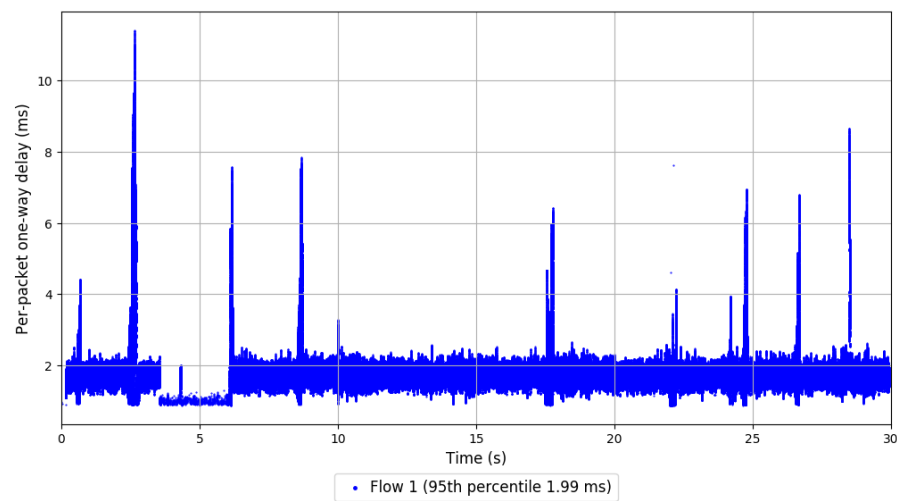
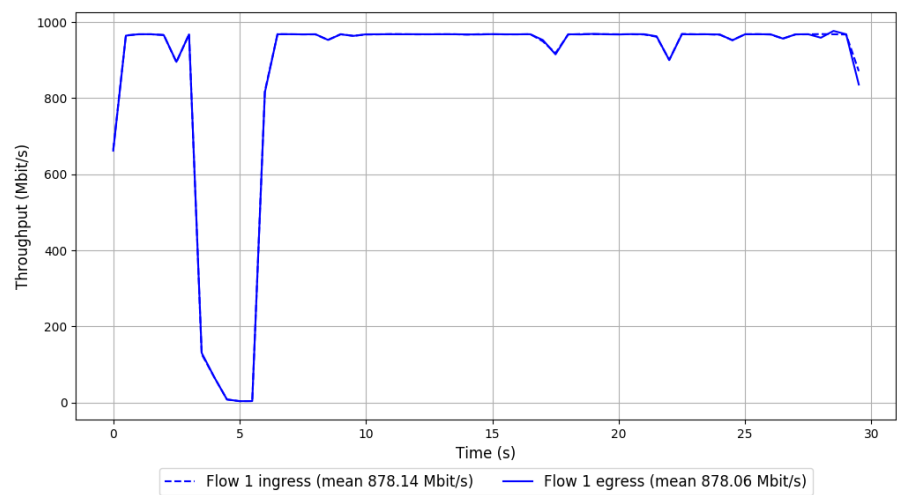


Run 10: Statistics of FillP

Start at: 2018-01-16 14:12:56
End at: 2018-01-16 14:13:26
Local clock offset: -4.074 ms
Remote clock offset: -1.729 ms

Below is generated by plot.py at 2018-01-16 20:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 878.06 Mbit/s
95th percentile per-packet one-way delay: 1.990 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 878.06 Mbit/s
95th percentile per-packet one-way delay: 1.990 ms
Loss rate: 0.07%

Run 10: Report of FillP — Data Link

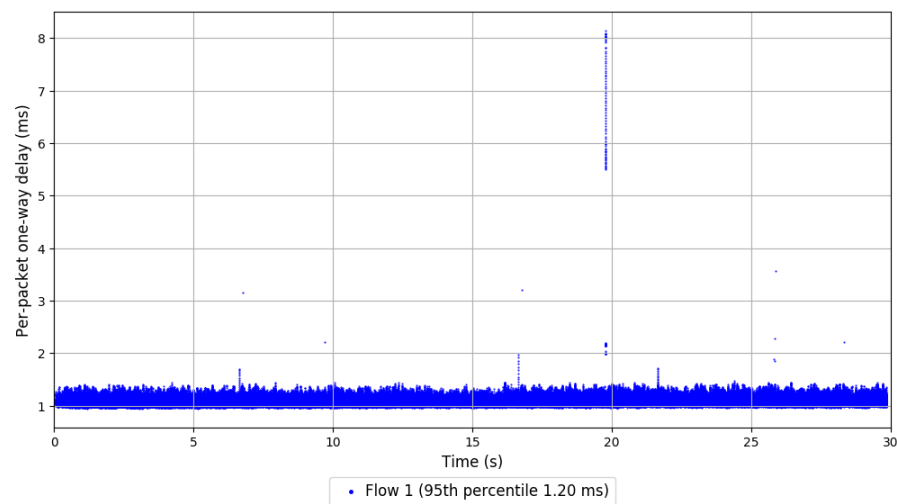
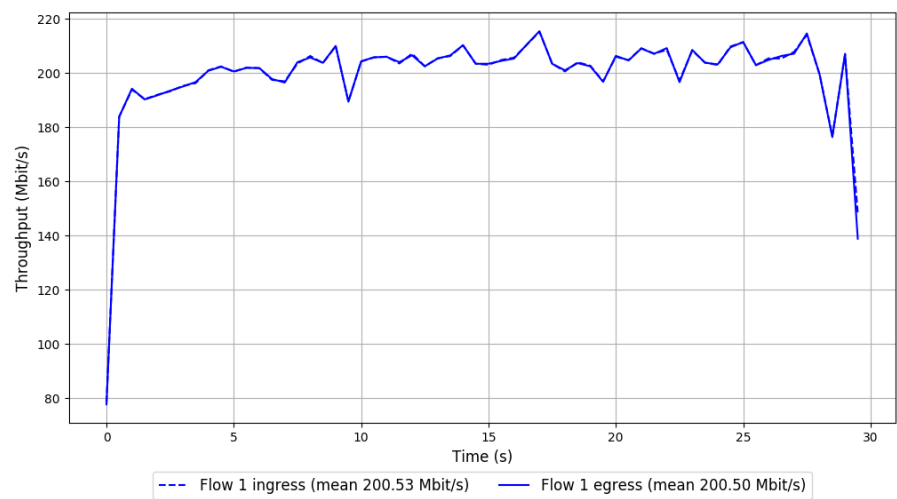


```
Run 1: Statistics of Indigo

Start at: 2018-01-16 10:07:00
End at: 2018-01-16 10:07:30
Local clock offset: -5.023 ms
Remote clock offset: -2.947 ms

# Below is generated by plot.py at 2018-01-16 20:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.50 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 200.50 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.08%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-01-16 10:32:46

End at: 2018-01-16 10:33:16

Local clock offset: -5.008 ms

Remote clock offset: -2.46 ms

Below is generated by plot.py at 2018-01-16 20:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.78 Mbit/s

95th percentile per-packet one-way delay: 1.249 ms

Loss rate: 0.07%

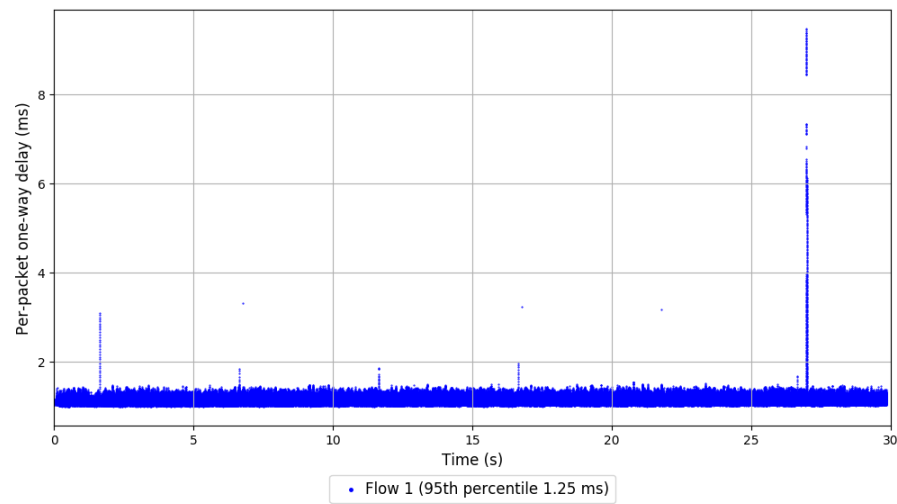
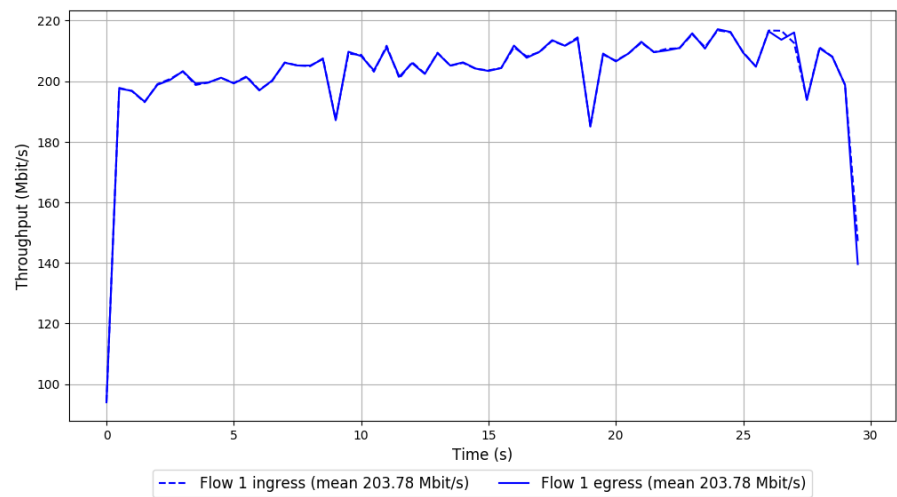
-- Flow 1:

Average throughput: 203.78 Mbit/s

95th percentile per-packet one-way delay: 1.249 ms

Loss rate: 0.07%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-16 10:58:41

End at: 2018-01-16 10:59:11

Local clock offset: -5.083 ms

Remote clock offset: -1.64 ms

Below is generated by plot.py at 2018-01-16 20:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.88 Mbit/s

95th percentile per-packet one-way delay: 1.215 ms

Loss rate: 0.06%

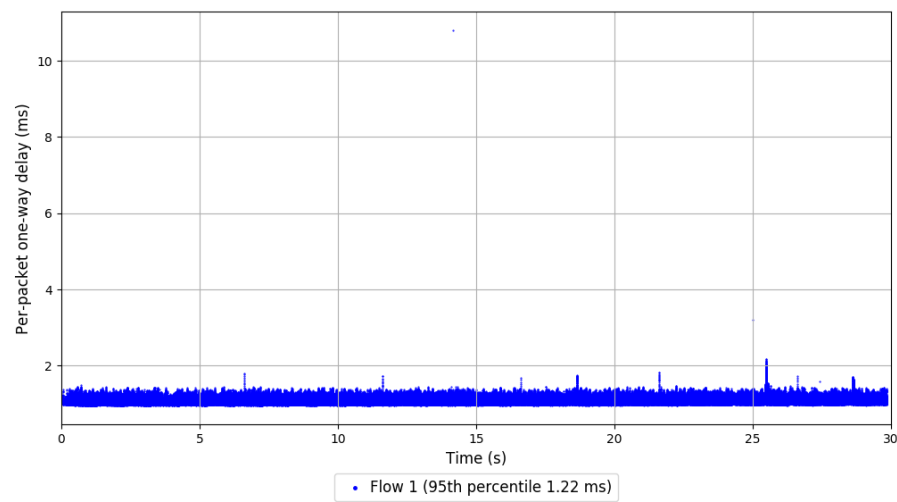
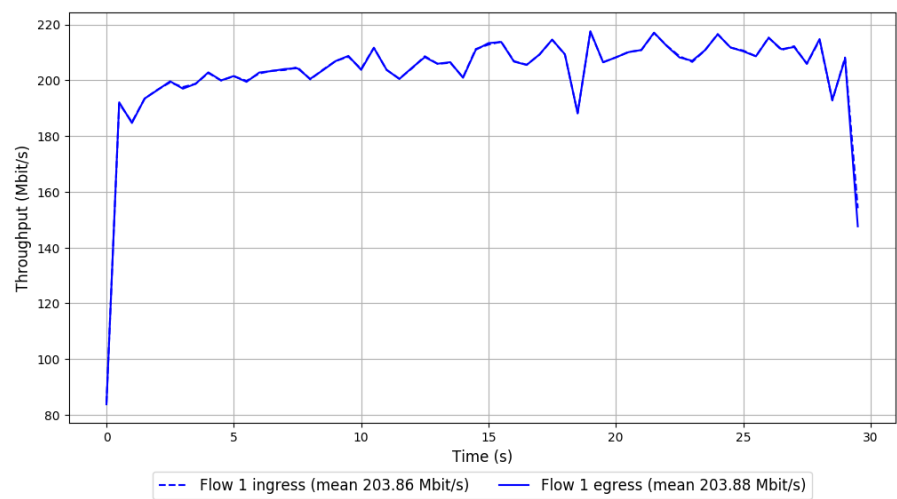
-- Flow 1:

Average throughput: 203.88 Mbit/s

95th percentile per-packet one-way delay: 1.215 ms

Loss rate: 0.06%

Run 3: Report of Indigo — Data Link

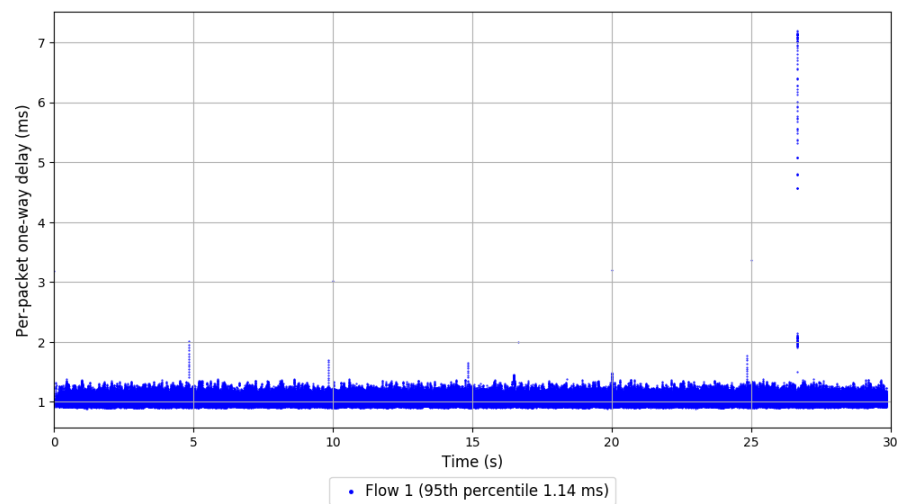
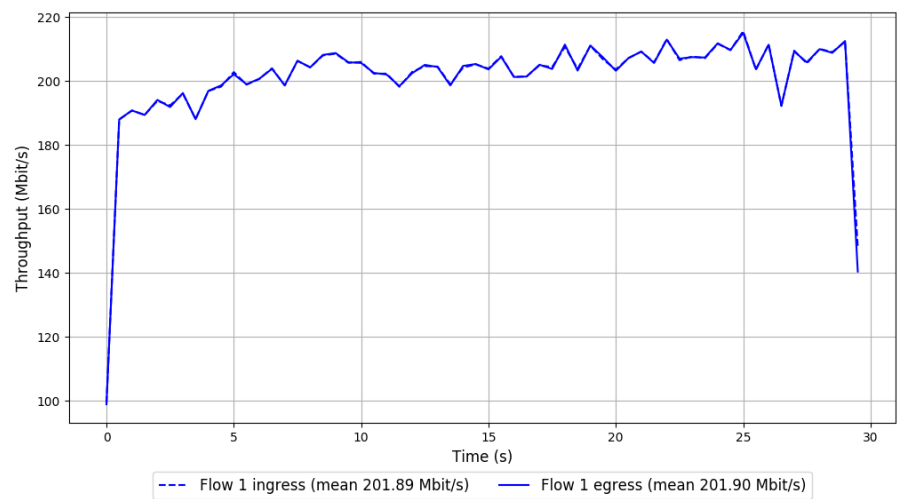


Run 4: Statistics of Indigo

Start at: 2018-01-16 11:24:58
End at: 2018-01-16 11:25:28
Local clock offset: -5.215 ms
Remote clock offset: -1.347 ms

Below is generated by plot.py at 2018-01-16 20:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.90 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 201.90 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.07%

Run 4: Report of Indigo — Data Link

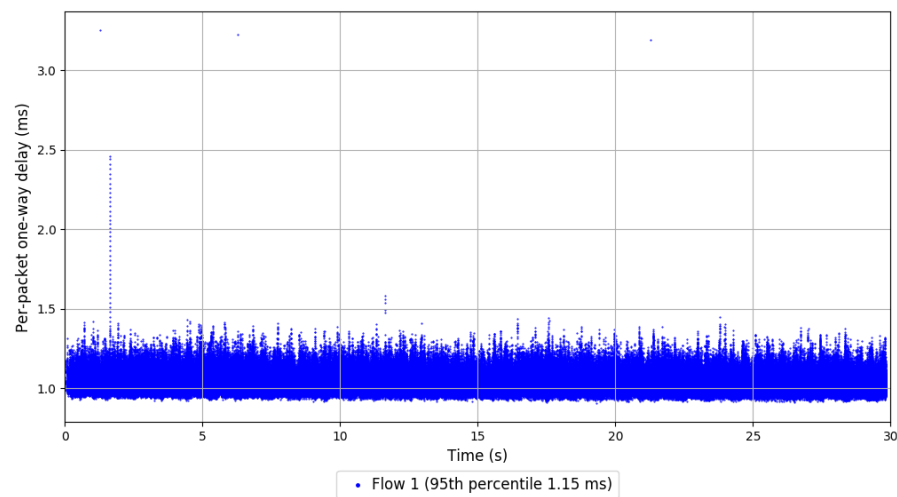
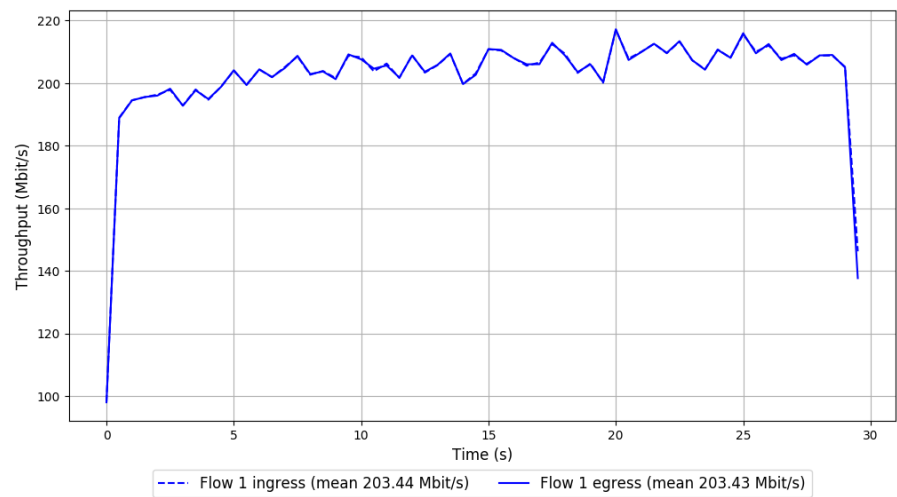


Run 5: Statistics of Indigo

Start at: 2018-01-16 11:50:26
End at: 2018-01-16 11:50:56
Local clock offset: -5.008 ms
Remote clock offset: -1.755 ms

Below is generated by plot.py at 2018-01-16 20:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.43 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 203.43 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.07%

Run 5: Report of Indigo — Data Link

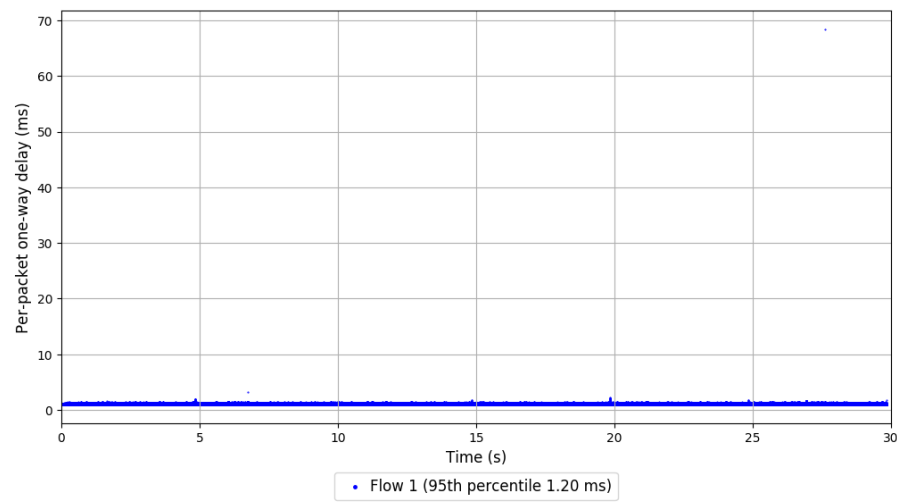
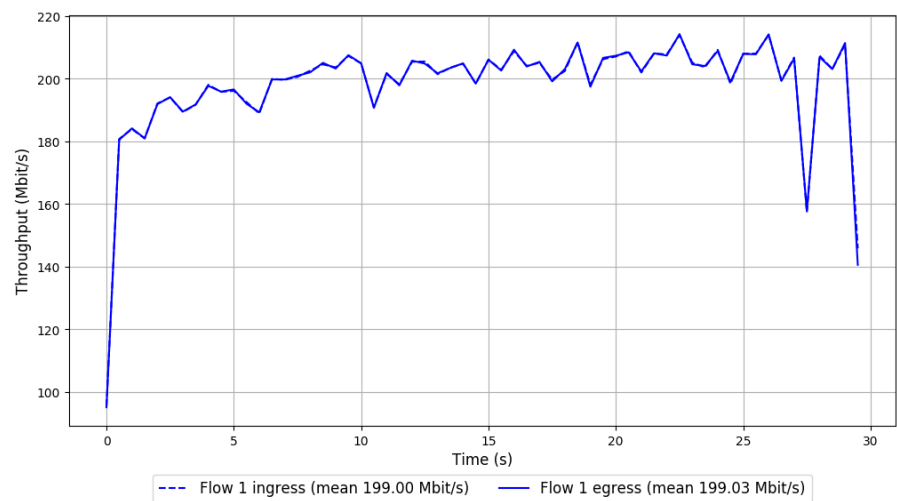


Run 6: Statistics of Indigo

Start at: 2018-01-16 12:15:28
End at: 2018-01-16 12:15:58
Local clock offset: -4.917 ms
Remote clock offset: -1.864 ms

Below is generated by plot.py at 2018-01-16 20:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.03 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 199.03 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.05%

Run 6: Report of Indigo — Data Link

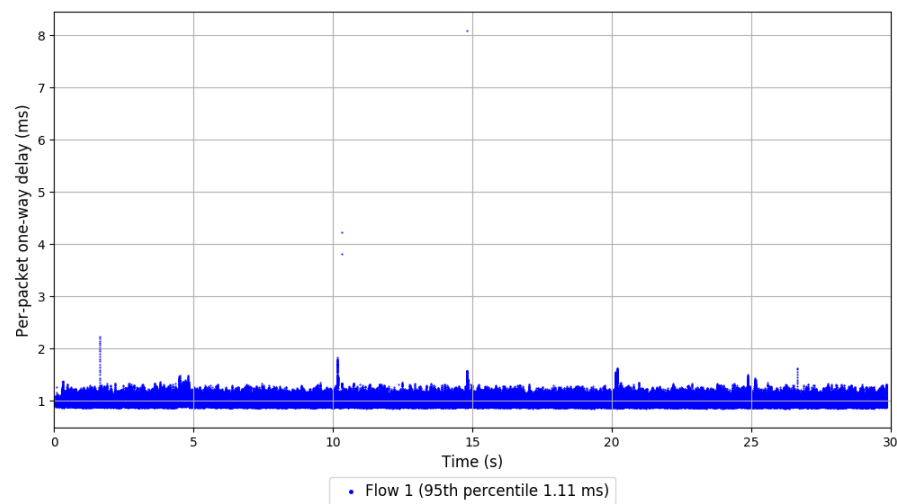
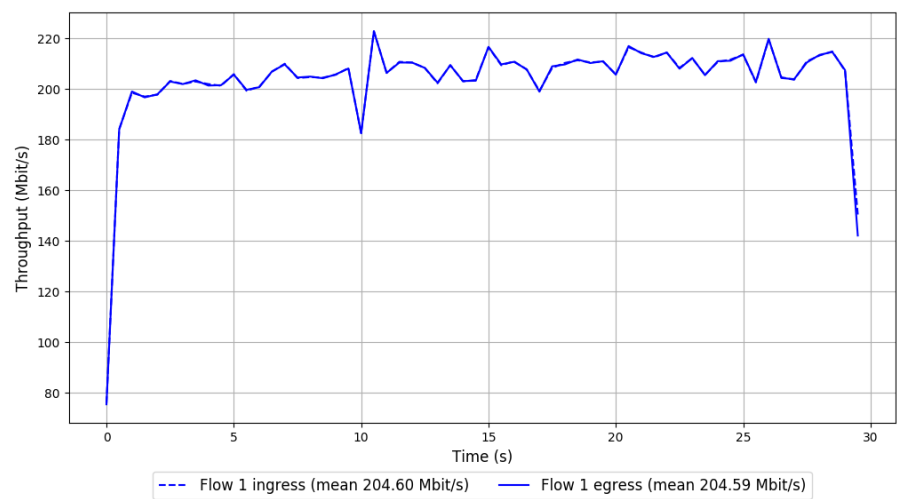


Run 7: Statistics of Indigo

Start at: 2018-01-16 12:41:34
End at: 2018-01-16 12:42:04
Local clock offset: -5.122 ms
Remote clock offset: -1.92 ms

Below is generated by plot.py at 2018-01-16 20:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.59 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 204.59 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.07%

Run 7: Report of Indigo — Data Link

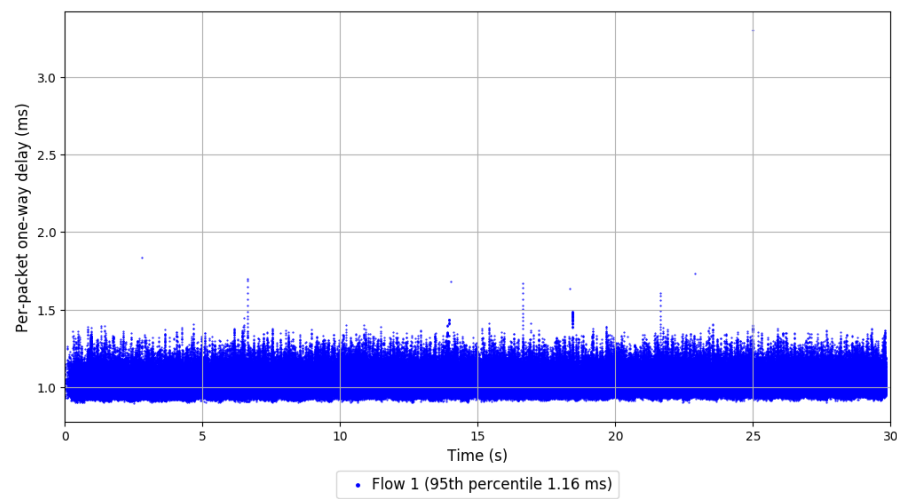
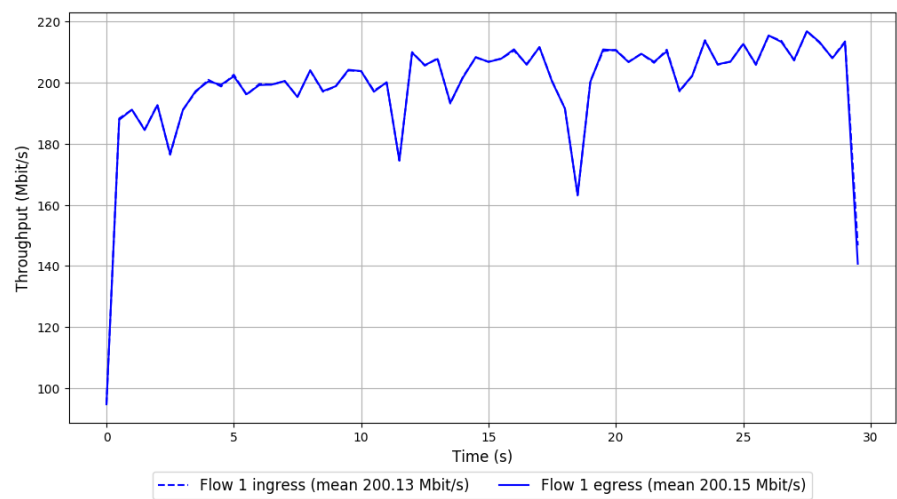


Run 8: Statistics of Indigo

Start at: 2018-01-16 13:06:50
End at: 2018-01-16 13:07:20
Local clock offset: -5.368 ms
Remote clock offset: -1.756 ms

Below is generated by plot.py at 2018-01-16 20:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.15 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 200.15 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.06%

Run 8: Report of Indigo — Data Link

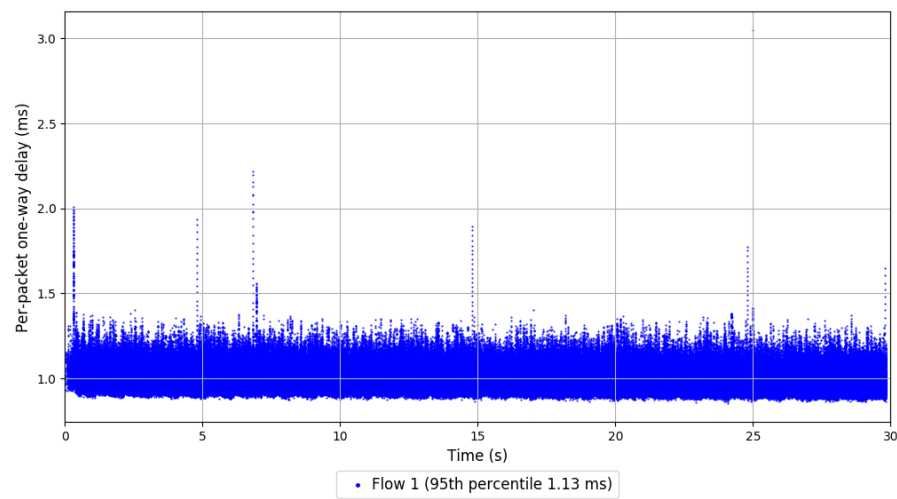
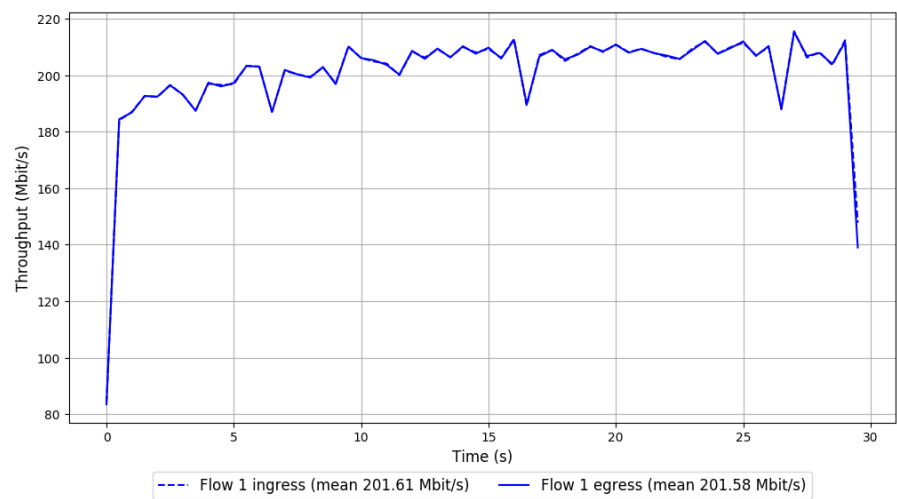


Run 9: Statistics of Indigo

Start at: 2018-01-16 13:32:41
End at: 2018-01-16 13:33:11
Local clock offset: -4.725 ms
Remote clock offset: -1.655 ms

Below is generated by plot.py at 2018-01-16 20:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.58 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 201.58 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.08%

Run 9: Report of Indigo — Data Link

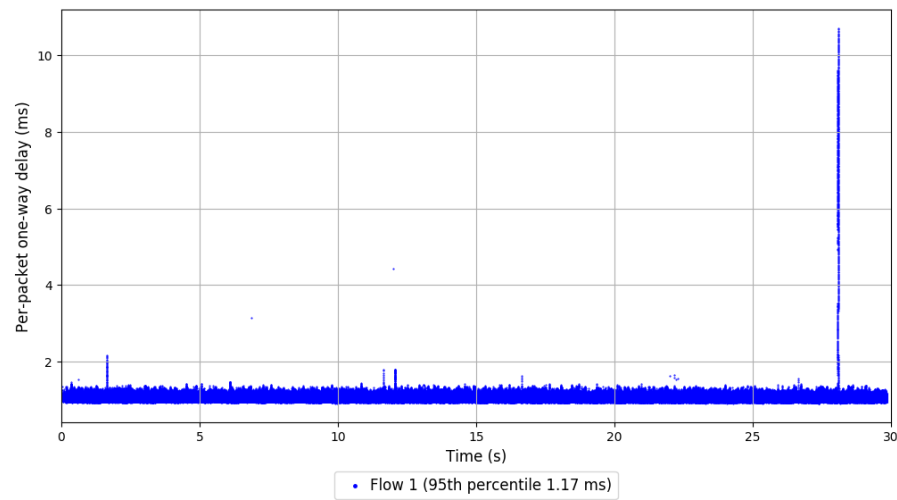
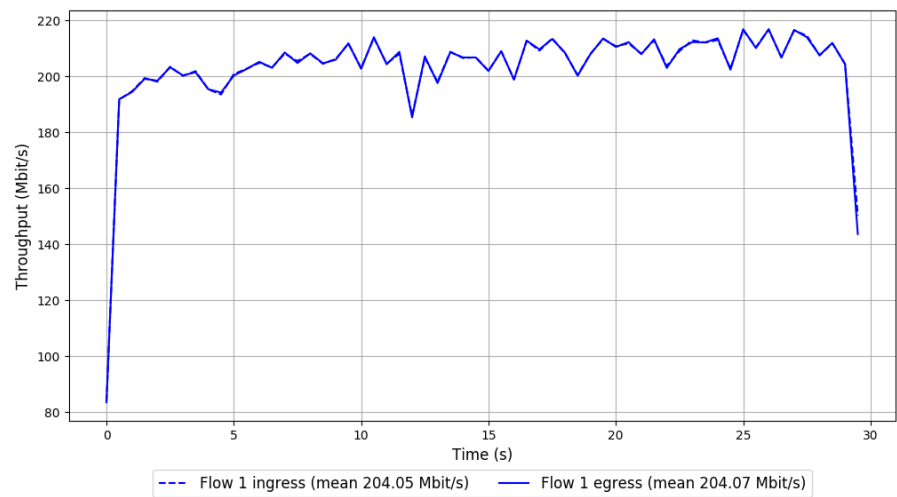


Run 10: Statistics of Indigo

Start at: 2018-01-16 13:58:31
End at: 2018-01-16 13:59:01
Local clock offset: -4.463 ms
Remote clock offset: -1.633 ms

Below is generated by plot.py at 2018-01-16 20:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.07 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 204.07 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.06%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of Vivace-latency

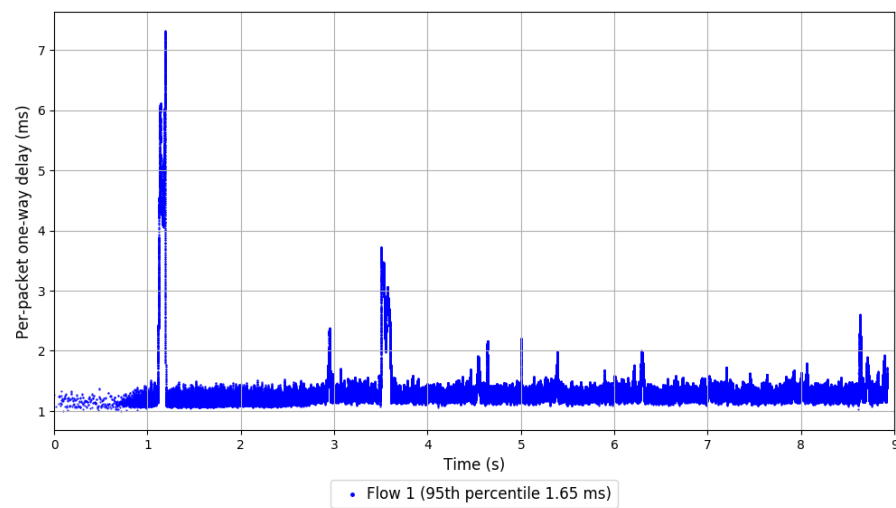
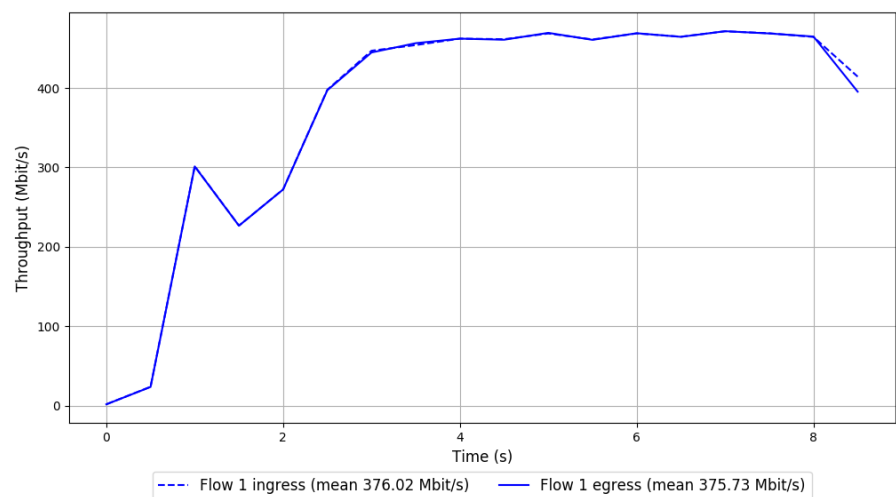
Start at: 2018-01-16 10:25:39

End at: 2018-01-16 10:26:09

Local clock offset: -5.017 ms

Remote clock offset: -2.703 ms

Run 1: Report of Vivace-latency — Data Link

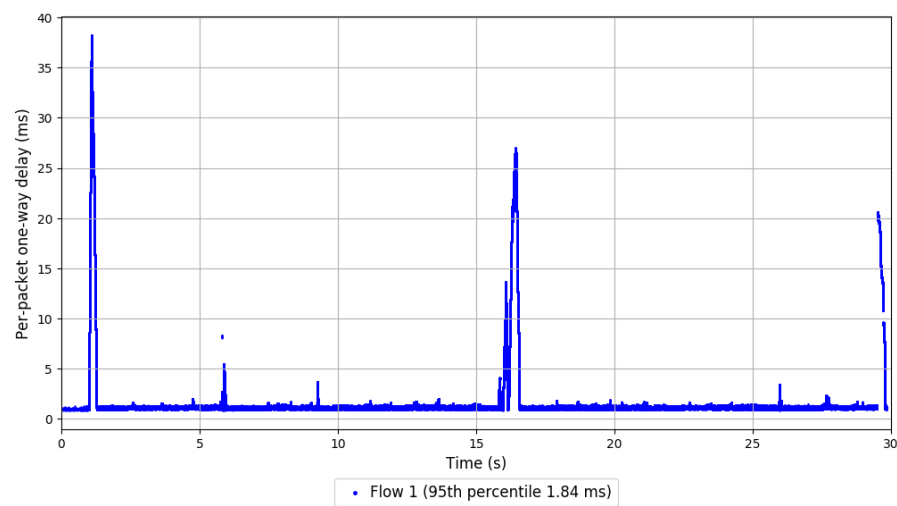
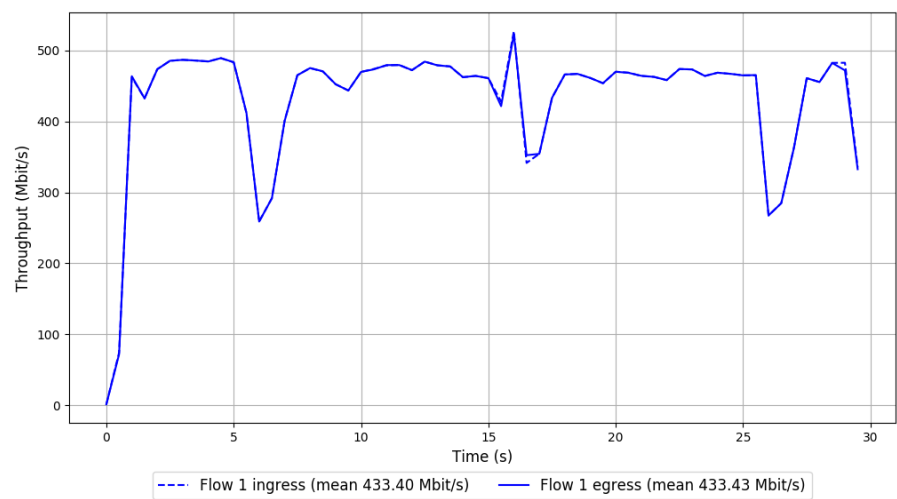


Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 10:51:04
End at: 2018-01-16 10:51:34
Local clock offset: -5.136 ms
Remote clock offset: -1.891 ms

Below is generated by plot.py at 2018-01-16 20:24:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 433.43 Mbit/s
95th percentile per-packet one-way delay: 1.843 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 433.43 Mbit/s
95th percentile per-packet one-way delay: 1.843 ms
Loss rate: 0.06%

Run 2: Report of Vivace-latency — Data Link

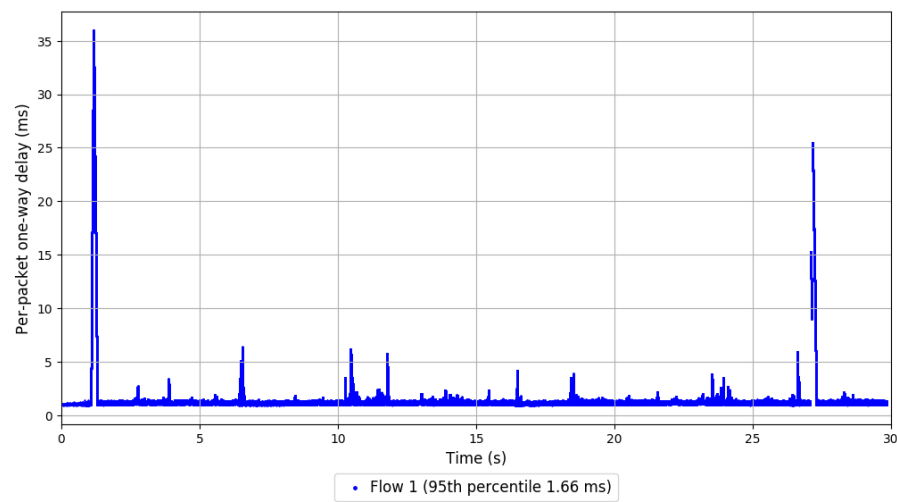
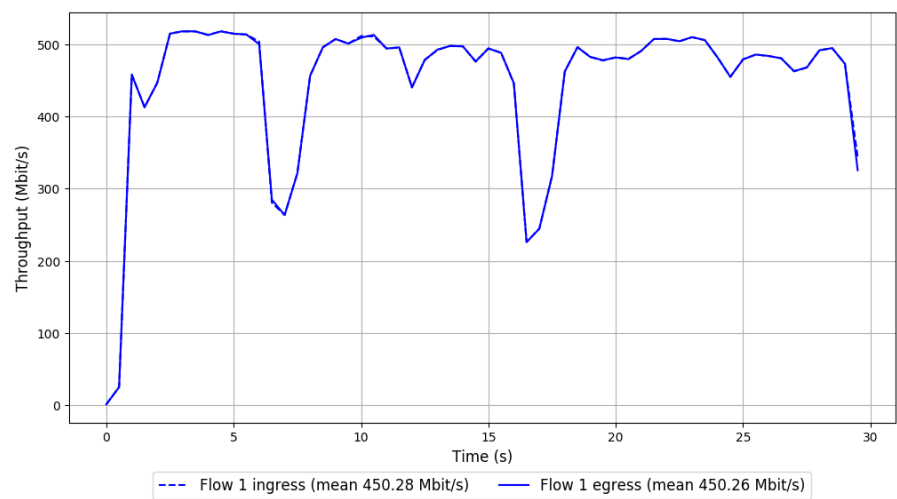


Run 3: Statistics of Vivace-latency

Start at: 2018-01-16 11:17:18
End at: 2018-01-16 11:17:48
Local clock offset: -5.108 ms
Remote clock offset: -1.323 ms

Below is generated by plot.py at 2018-01-16 20:25:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 450.26 Mbit/s
95th percentile per-packet one-way delay: 1.662 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 450.26 Mbit/s
95th percentile per-packet one-way delay: 1.662 ms
Loss rate: 0.07%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

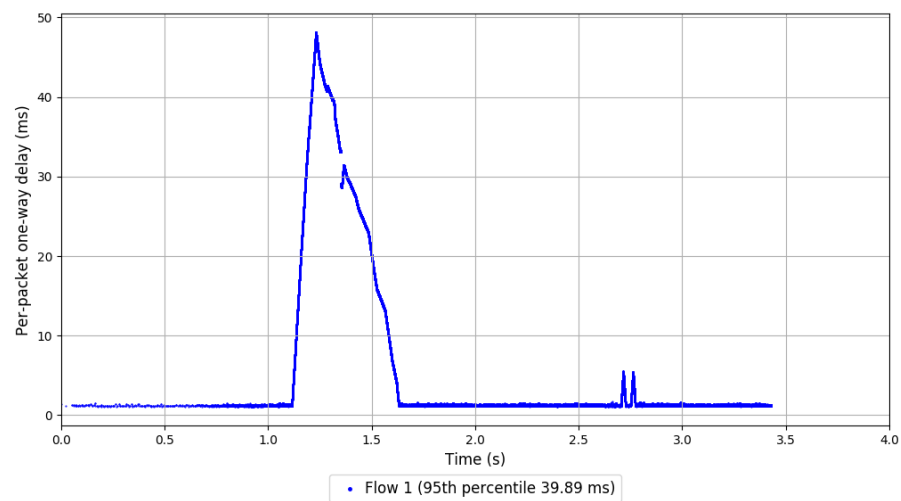
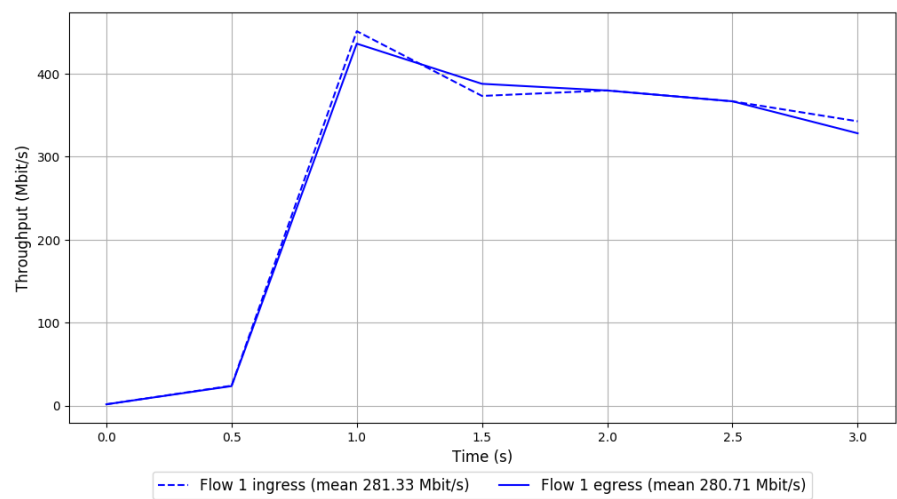
Start at: 2018-01-16 11:43:31

End at: 2018-01-16 11:44:01

Local clock offset: -5.061 ms

Remote clock offset: -1.698 ms

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

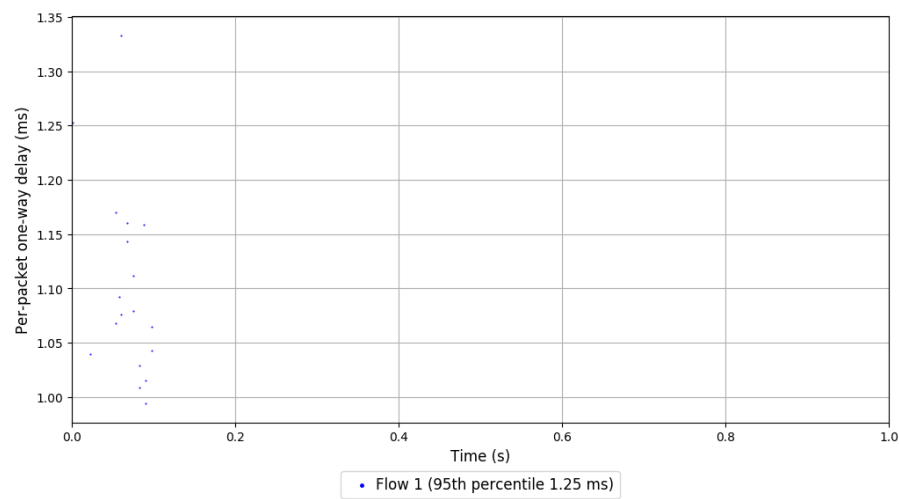
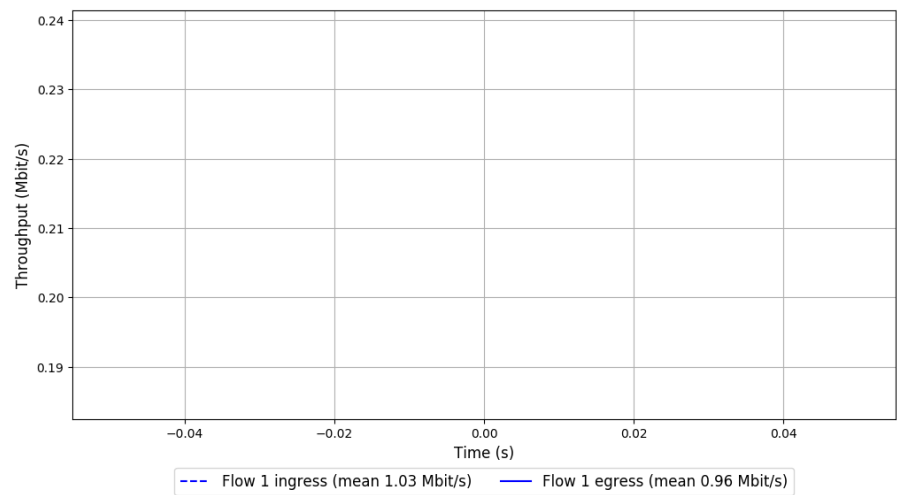
Start at: 2018-01-16 12:08:37

End at: 2018-01-16 12:09:07

Local clock offset: -5.003 ms

Remote clock offset: -2.086 ms

Run 5: Report of Vivace-latency — Data Link

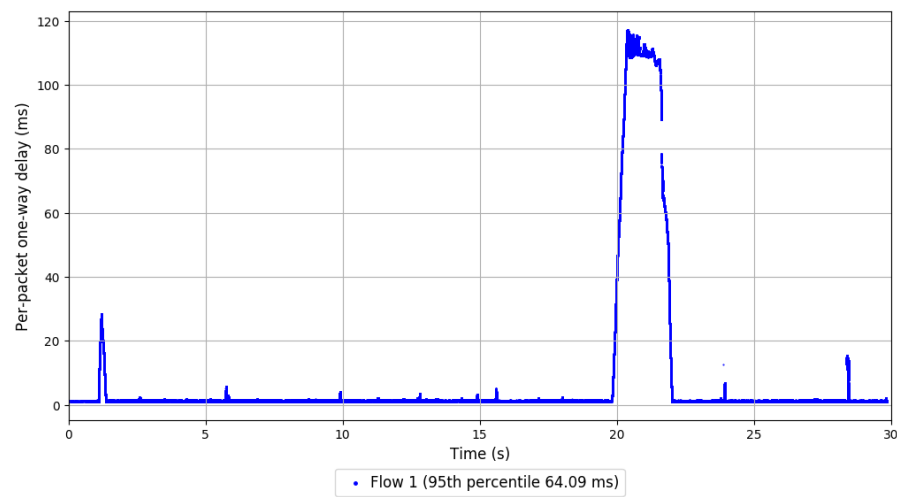
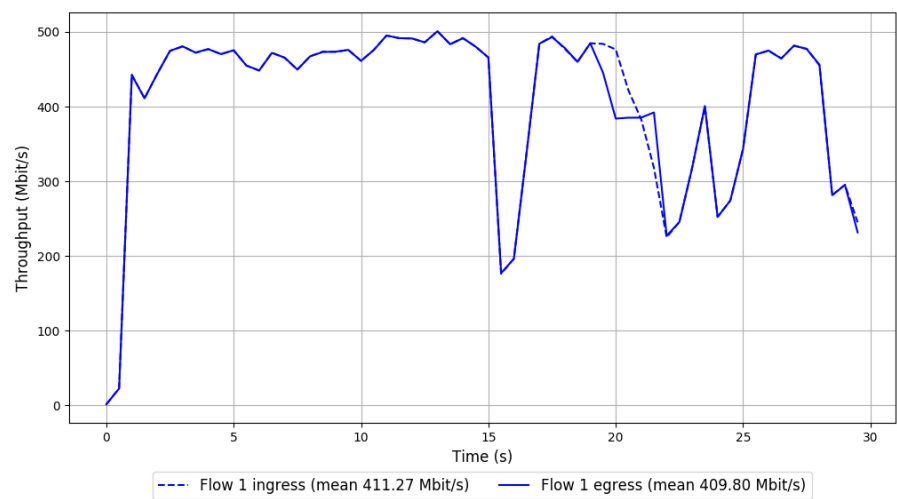


Run 6: Statistics of Vivace-latency

Start at: 2018-01-16 12:34:04
End at: 2018-01-16 12:34:34
Local clock offset: -5.009 ms
Remote clock offset: -1.867 ms

Below is generated by plot.py at 2018-01-16 20:25:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 409.80 Mbit/s
95th percentile per-packet one-way delay: 64.094 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 409.80 Mbit/s
95th percentile per-packet one-way delay: 64.094 ms
Loss rate: 0.42%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

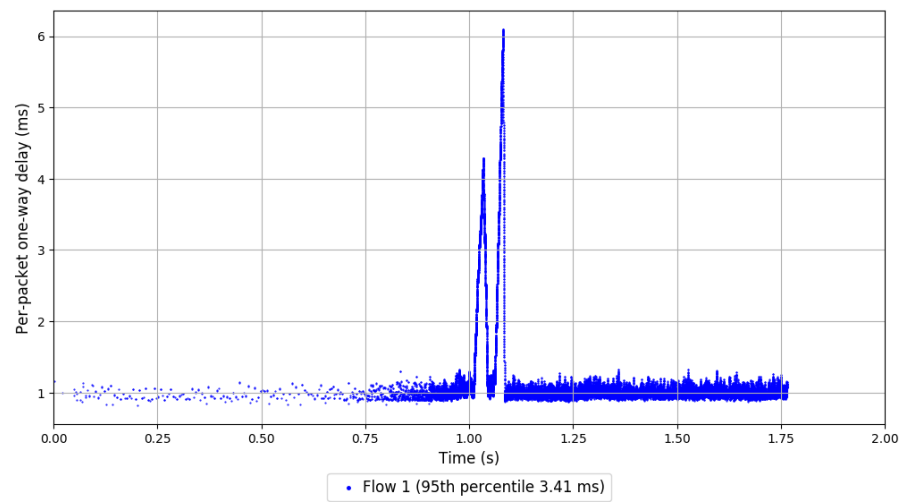
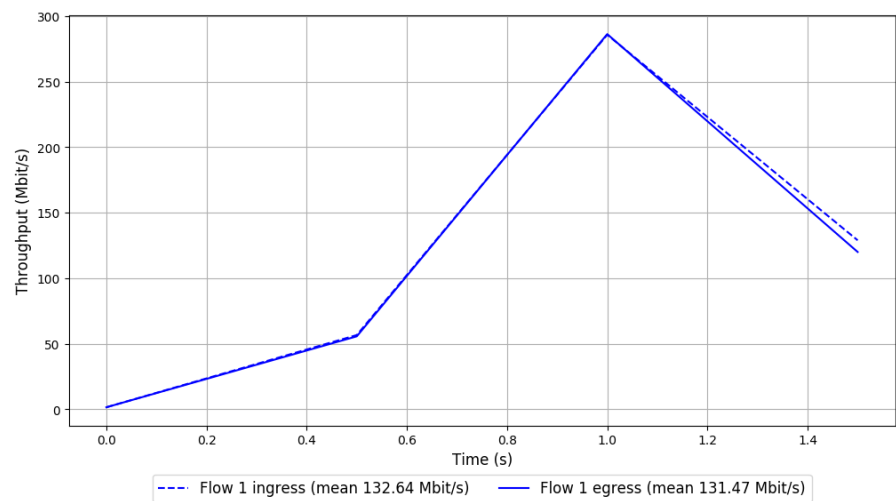
Start at: 2018-01-16 12:59:57

End at: 2018-01-16 13:00:27

Local clock offset: -5.279 ms

Remote clock offset: -1.77 ms

Run 7: Report of Vivace-latency — Data Link

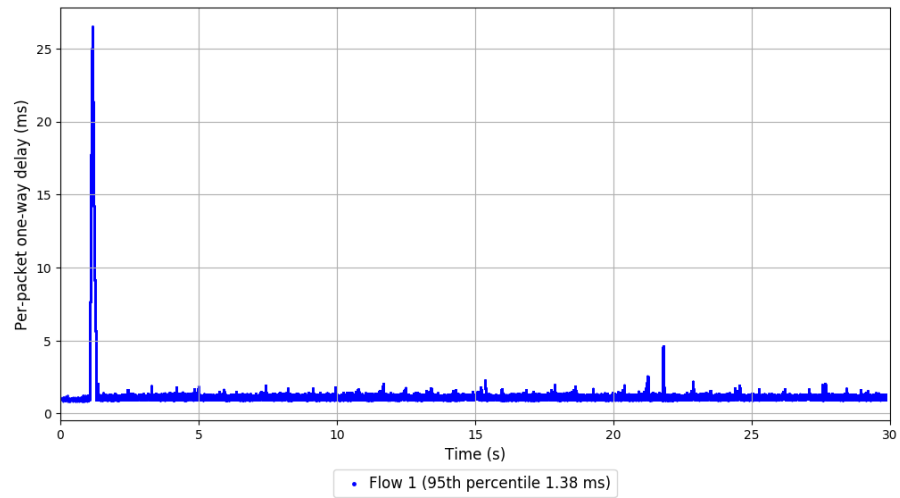
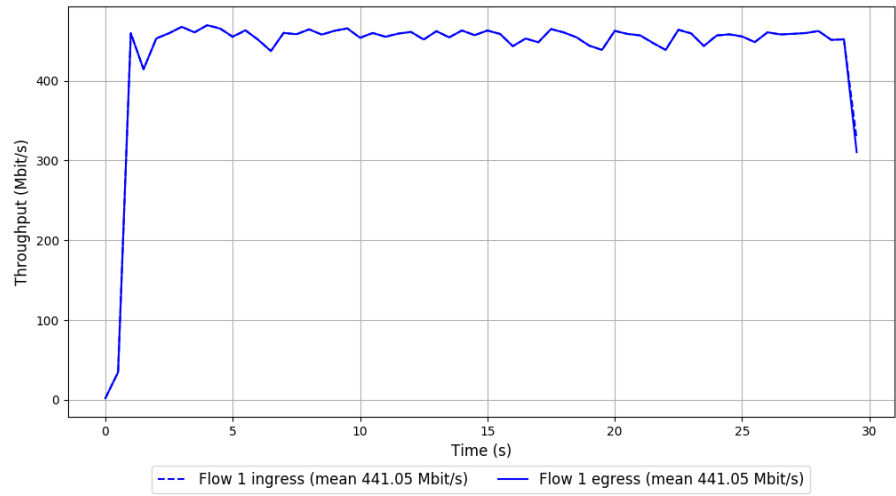


Run 8: Statistics of Vivace-latency

Start at: 2018-01-16 13:25:17
End at: 2018-01-16 13:25:47
Local clock offset: -4.875 ms
Remote clock offset: -1.617 ms

Below is generated by plot.py at 2018-01-16 20:26:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 441.05 Mbit/s
95th percentile per-packet one-way delay: 1.384 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 441.05 Mbit/s
95th percentile per-packet one-way delay: 1.384 ms
Loss rate: 0.07%

Run 8: Report of Vivace-latency — Data Link

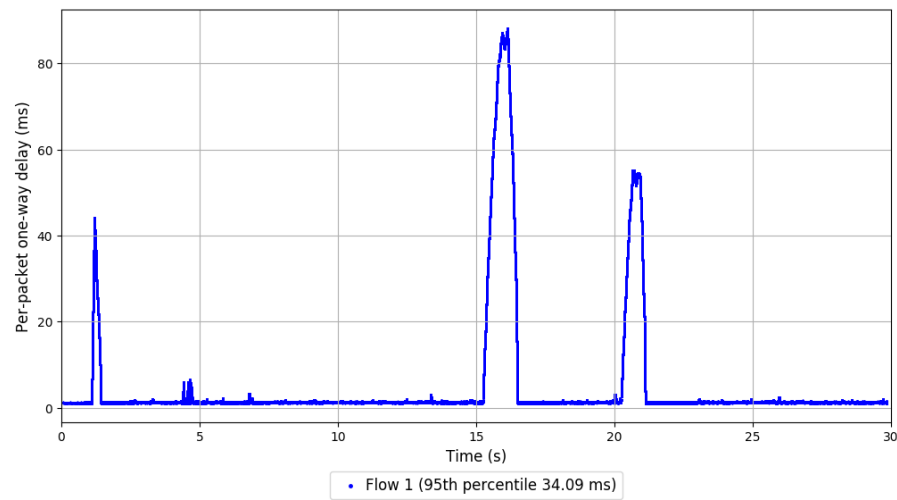
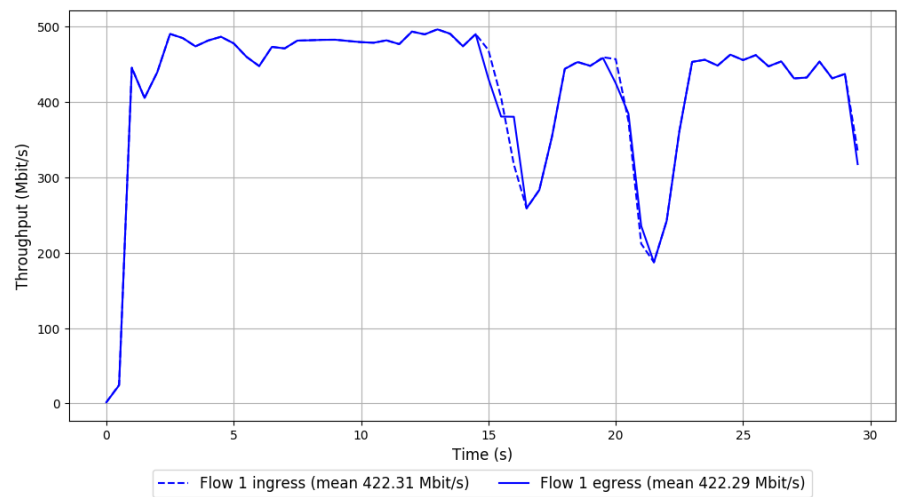


Run 9: Statistics of Vivace-latency

Start at: 2018-01-16 13:51:06
End at: 2018-01-16 13:51:36
Local clock offset: -4.322 ms
Remote clock offset: -1.546 ms

Below is generated by plot.py at 2018-01-16 20:26:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 422.29 Mbit/s
95th percentile per-packet one-way delay: 34.090 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 422.29 Mbit/s
95th percentile per-packet one-way delay: 34.090 ms
Loss rate: 0.07%

Run 9: Report of Vivace-latency — Data Link

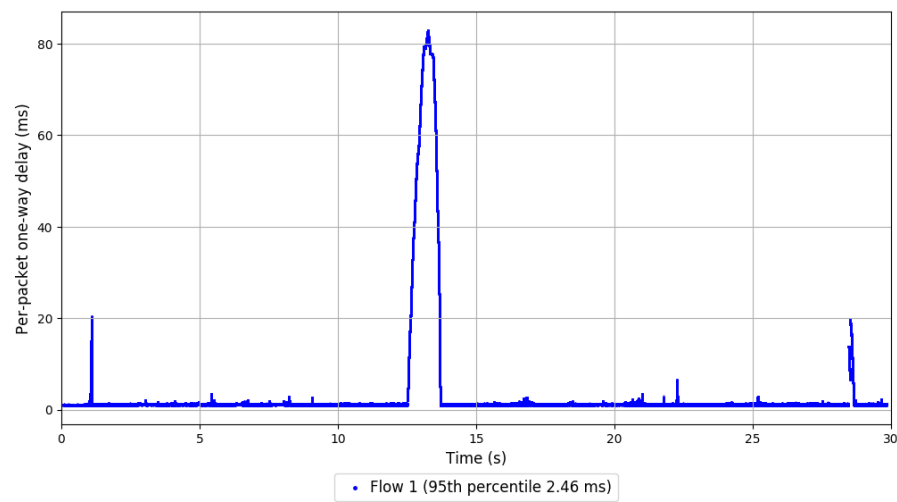
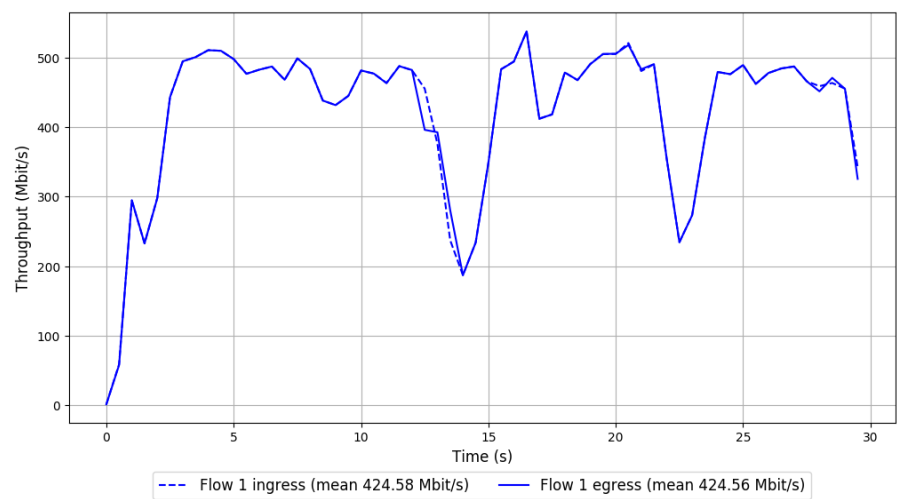


Run 10: Statistics of Vivace-latency

Start at: 2018-01-16 14:17:03
End at: 2018-01-16 14:17:33
Local clock offset: -3.86 ms
Remote clock offset: -1.775 ms

Below is generated by plot.py at 2018-01-16 20:26:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 424.56 Mbit/s
95th percentile per-packet one-way delay: 2.460 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 424.56 Mbit/s
95th percentile per-packet one-way delay: 2.460 ms
Loss rate: 0.07%

Run 10: Report of Vivace-latency — Data Link

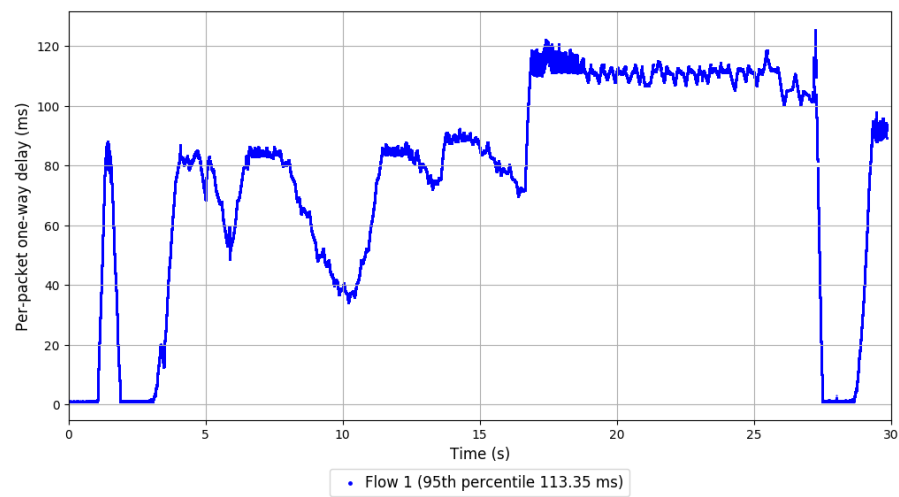
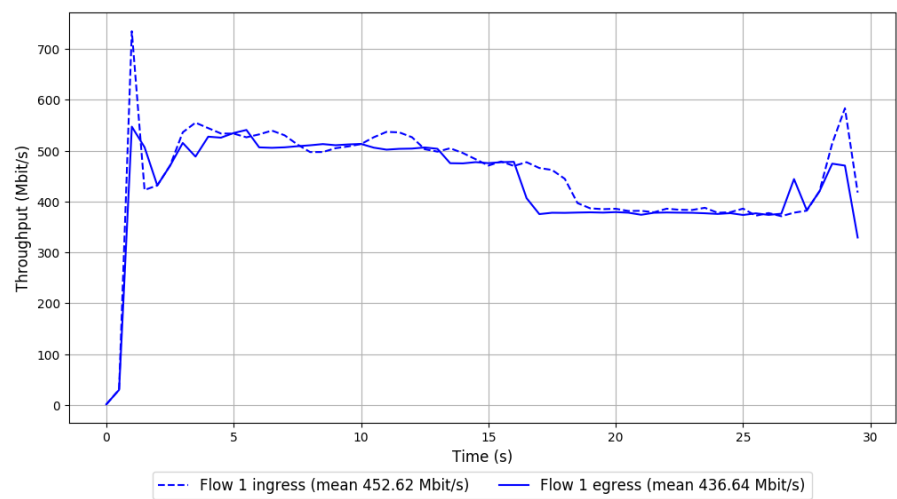


Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 10:10:06
End at: 2018-01-16 10:10:36
Local clock offset: -4.946 ms
Remote clock offset: -2.891 ms

Below is generated by plot.py at 2018-01-16 20:32:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 436.64 Mbit/s
95th percentile per-packet one-way delay: 113.347 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 436.64 Mbit/s
95th percentile per-packet one-way delay: 113.347 ms
Loss rate: 3.59%

Run 1: Report of Vivace-loss — Data Link

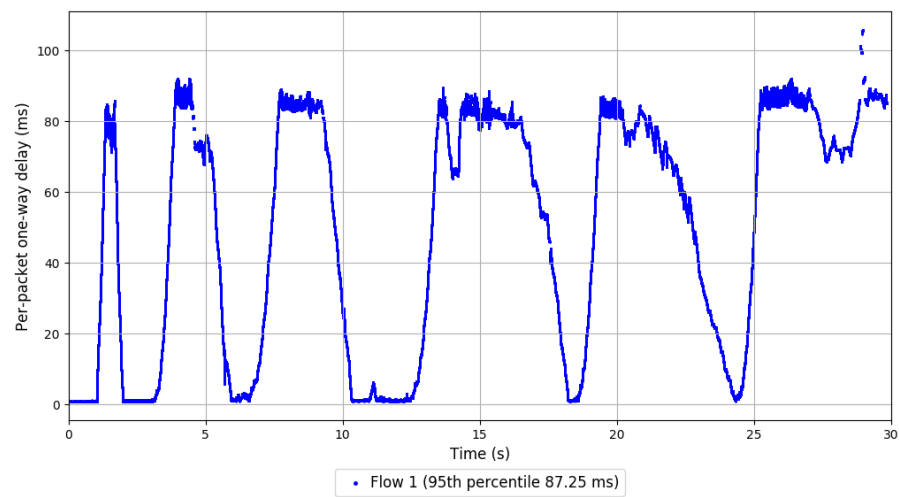
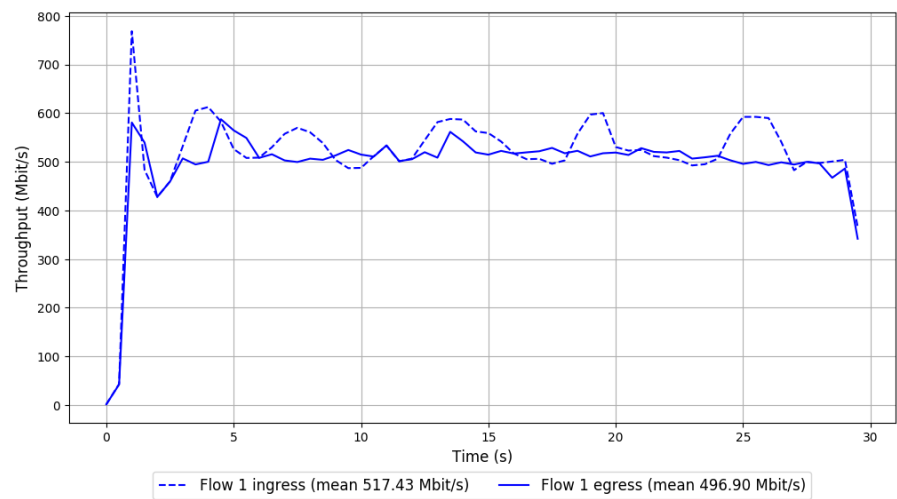


Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 10:35:50
End at: 2018-01-16 10:36:20
Local clock offset: -5.104 ms
Remote clock offset: -2.315 ms

Below is generated by plot.py at 2018-01-16 20:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 496.90 Mbit/s
95th percentile per-packet one-way delay: 87.254 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 496.90 Mbit/s
95th percentile per-packet one-way delay: 87.254 ms
Loss rate: 4.03%

Run 2: Report of Vivace-loss — Data Link

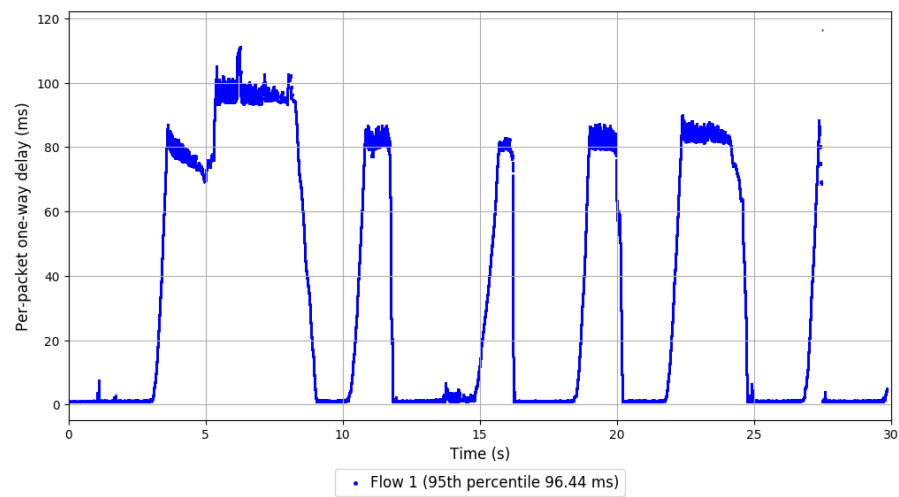
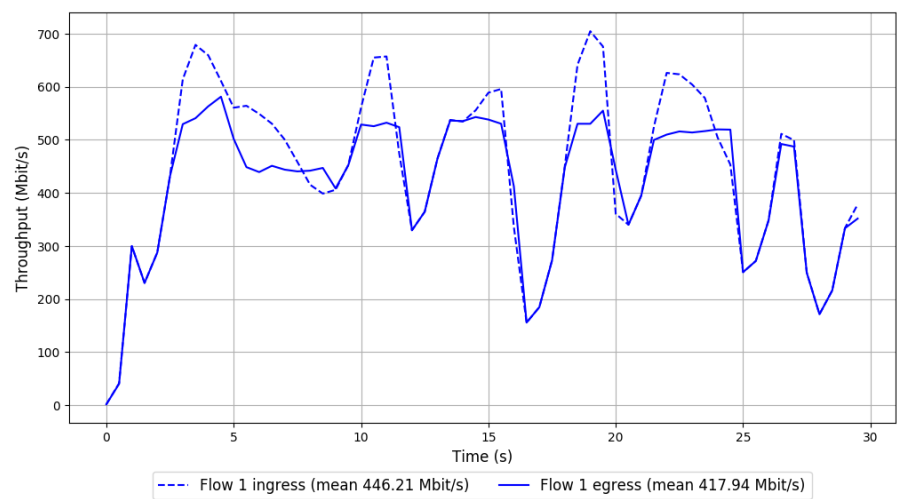


Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 11:01:48
End at: 2018-01-16 11:02:18
Local clock offset: -5.107 ms
Remote clock offset: -1.551 ms

Below is generated by plot.py at 2018-01-16 20:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 417.94 Mbit/s
95th percentile per-packet one-way delay: 96.440 ms
Loss rate: 6.40%
-- Flow 1:
Average throughput: 417.94 Mbit/s
95th percentile per-packet one-way delay: 96.440 ms
Loss rate: 6.40%

Run 3: Report of Vivace-loss — Data Link

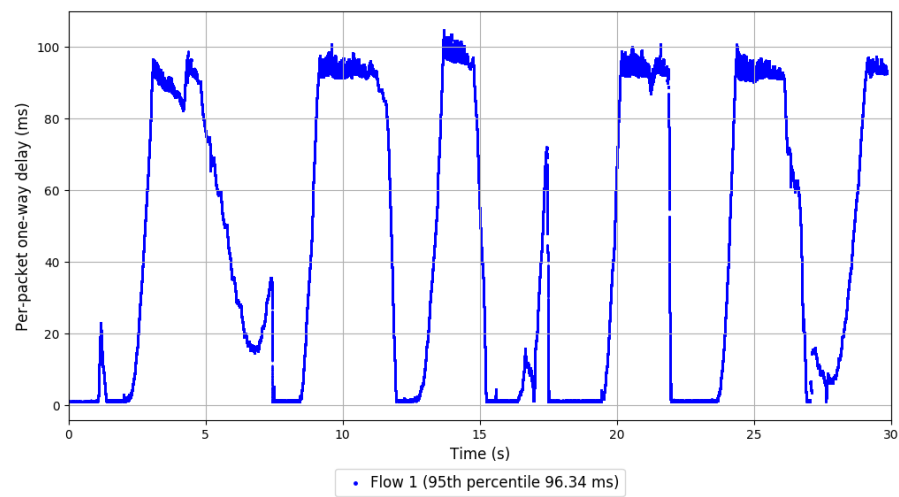
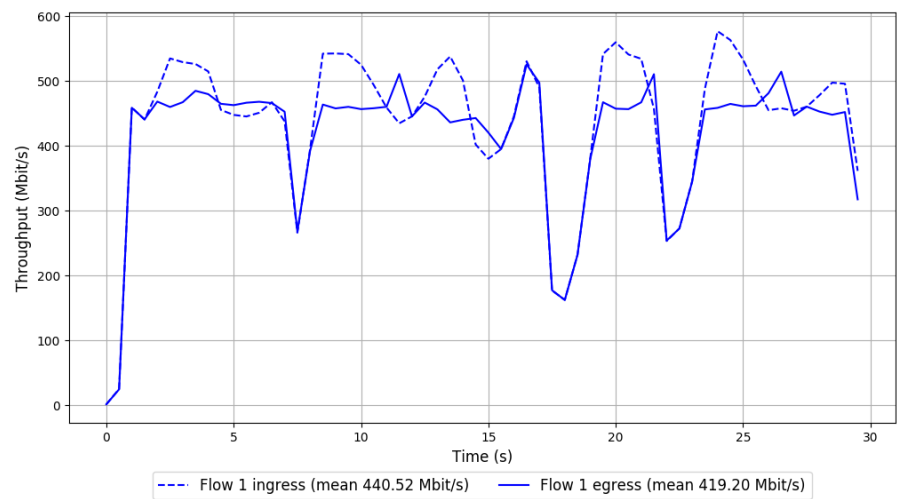


Run 4: Statistics of Vivace-loss

Start at: 2018-01-16 11:27:57
End at: 2018-01-16 11:28:27
Local clock offset: -5.122 ms
Remote clock offset: -1.357 ms

Below is generated by plot.py at 2018-01-16 20:36:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 419.20 Mbit/s
95th percentile per-packet one-way delay: 96.344 ms
Loss rate: 4.90%
-- Flow 1:
Average throughput: 419.20 Mbit/s
95th percentile per-packet one-way delay: 96.344 ms
Loss rate: 4.90%

Run 4: Report of Vivace-loss — Data Link

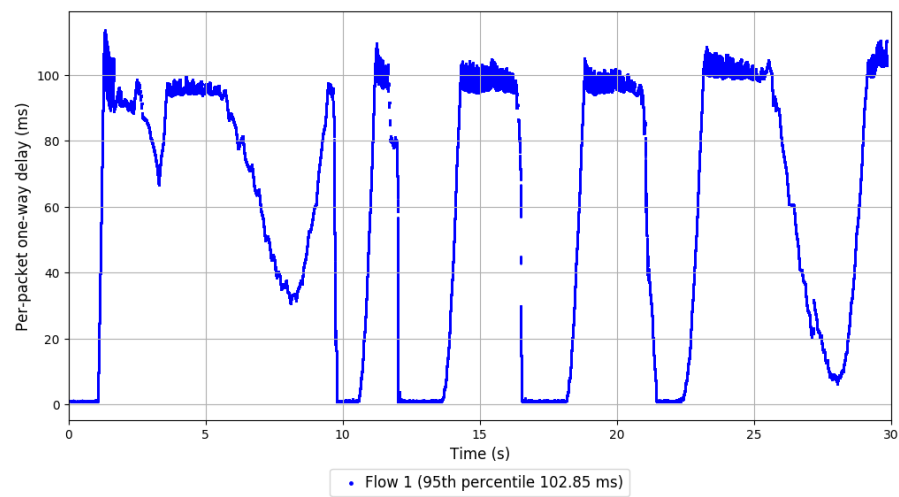
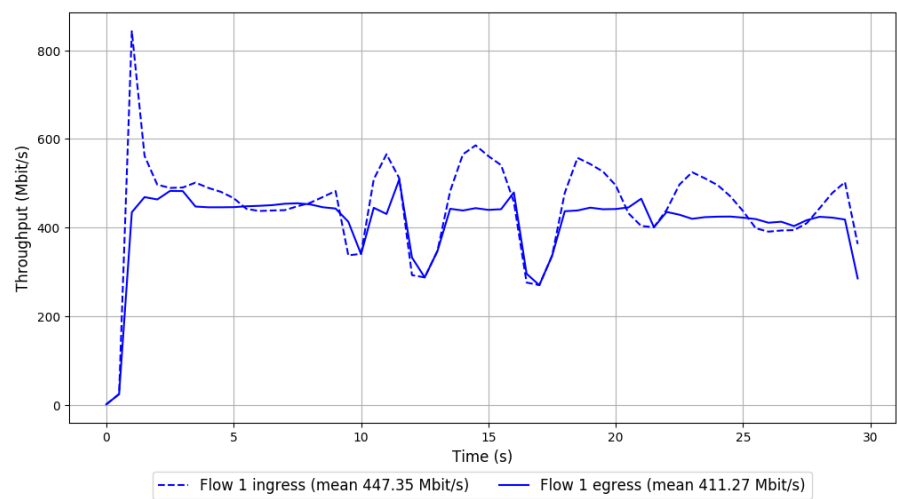


Run 5: Statistics of Vivace-loss

Start at: 2018-01-16 11:53:19
End at: 2018-01-16 11:53:49
Local clock offset: -5.085 ms
Remote clock offset: -1.935 ms

Below is generated by plot.py at 2018-01-16 20:36:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 411.27 Mbit/s
95th percentile per-packet one-way delay: 102.854 ms
Loss rate: 8.13%
-- Flow 1:
Average throughput: 411.27 Mbit/s
95th percentile per-packet one-way delay: 102.854 ms
Loss rate: 8.13%

Run 5: Report of Vivace-loss — Data Link

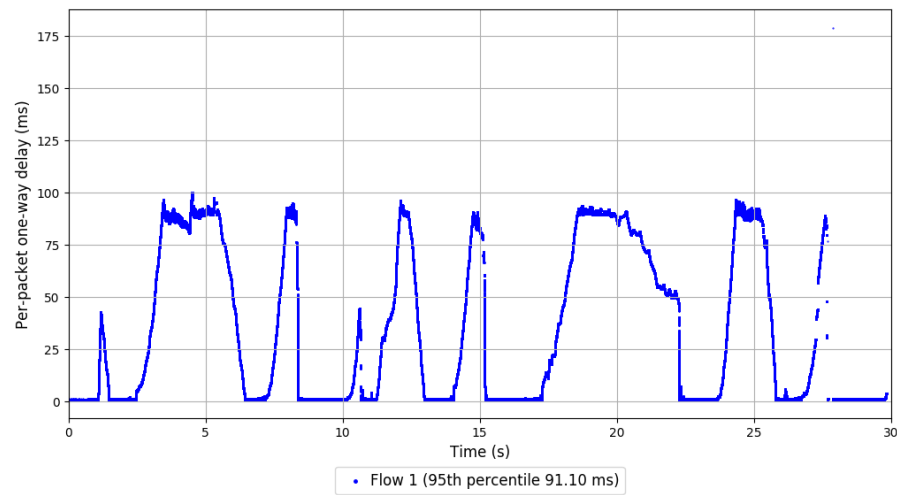
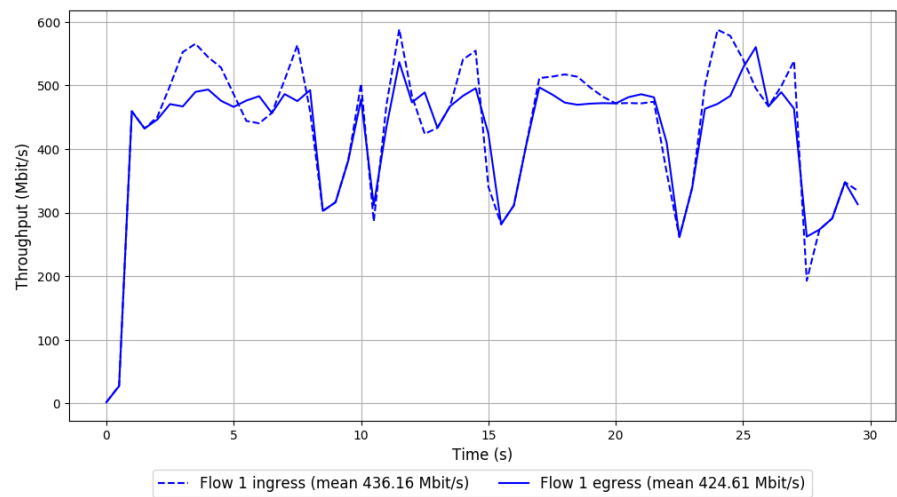


Run 6: Statistics of Vivace-loss

Start at: 2018-01-16 12:18:33
End at: 2018-01-16 12:19:03
Local clock offset: -4.961 ms
Remote clock offset: -1.868 ms

Below is generated by plot.py at 2018-01-16 20:36:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 424.61 Mbit/s
95th percentile per-packet one-way delay: 91.101 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 424.61 Mbit/s
95th percentile per-packet one-way delay: 91.101 ms
Loss rate: 2.71%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-16 12:44:39

End at: 2018-01-16 12:45:09

Local clock offset: -5.07 ms

Remote clock offset: -2.02 ms

Below is generated by plot.py at 2018-01-16 20:37:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 435.99 Mbit/s

95th percentile per-packet one-way delay: 88.154 ms

Loss rate: 3.62%

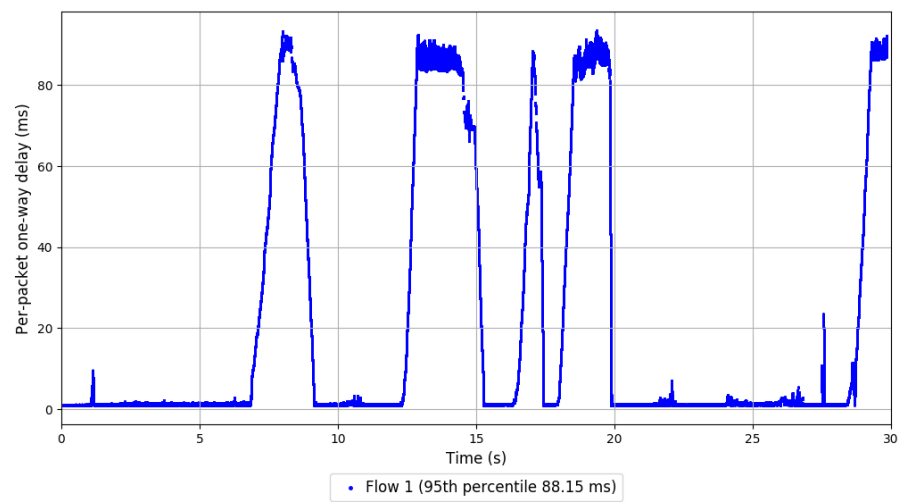
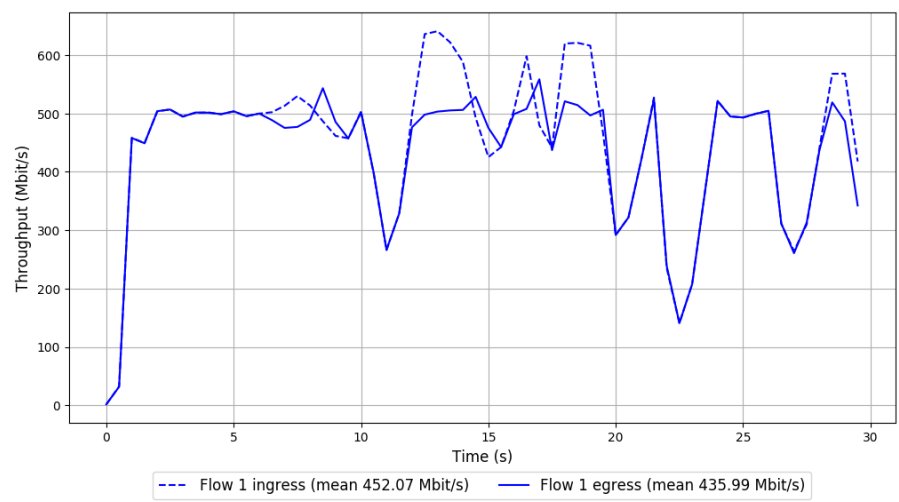
-- Flow 1:

Average throughput: 435.99 Mbit/s

95th percentile per-packet one-way delay: 88.154 ms

Loss rate: 3.62%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-16 13:09:54

End at: 2018-01-16 13:10:24

Local clock offset: -5.286 ms

Remote clock offset: -1.711 ms

Below is generated by plot.py at 2018-01-16 20:37:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.90 Mbit/s

95th percentile per-packet one-way delay: 95.366 ms

Loss rate: 5.03%

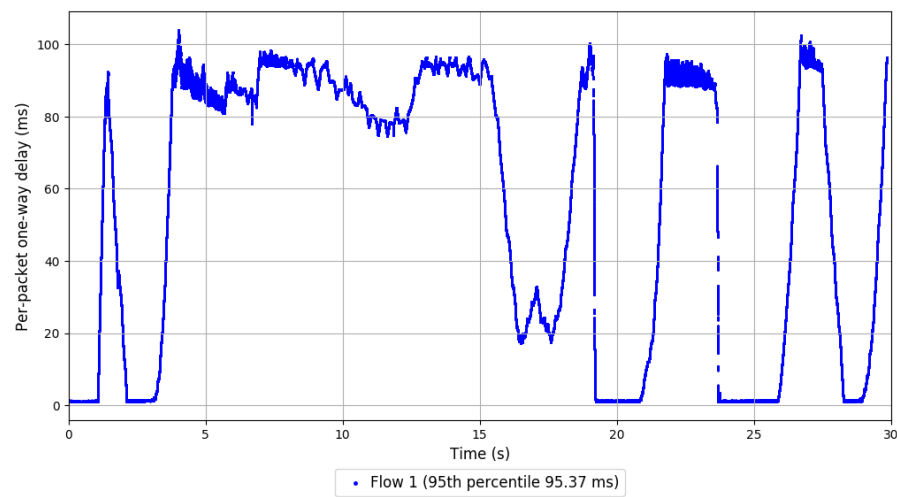
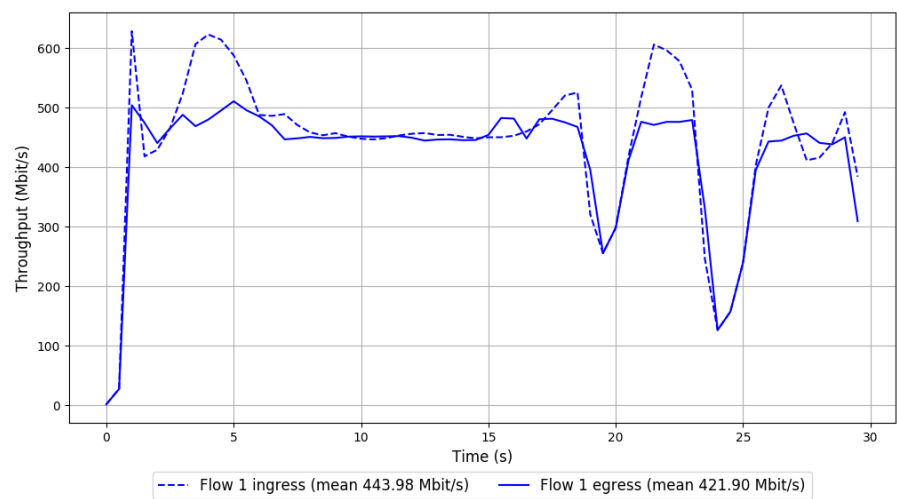
-- Flow 1:

Average throughput: 421.90 Mbit/s

95th percentile per-packet one-way delay: 95.366 ms

Loss rate: 5.03%

Run 8: Report of Vivace-loss — Data Link

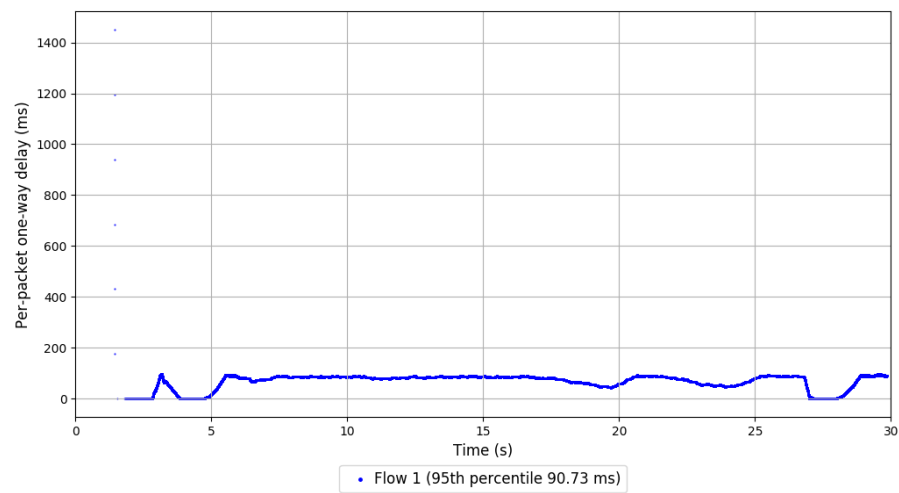
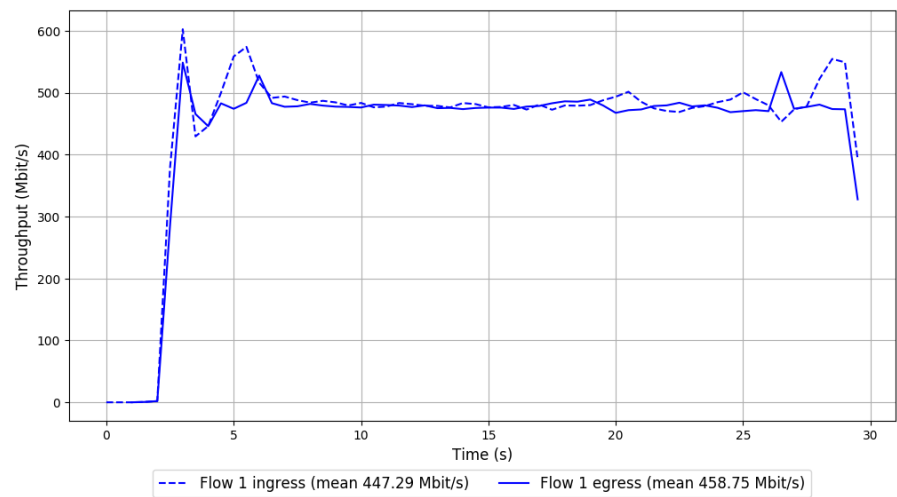


Run 9: Statistics of Vivace-loss

Start at: 2018-01-16 13:35:35
End at: 2018-01-16 13:36:05
Local clock offset: -4.459 ms
Remote clock offset: -1.668 ms

Below is generated by plot.py at 2018-01-16 20:43:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 458.75 Mbit/s
95th percentile per-packet one-way delay: 90.734 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 458.75 Mbit/s
95th percentile per-packet one-way delay: 90.734 ms
Loss rate: 2.48%

Run 9: Report of Vivace-loss — Data Link

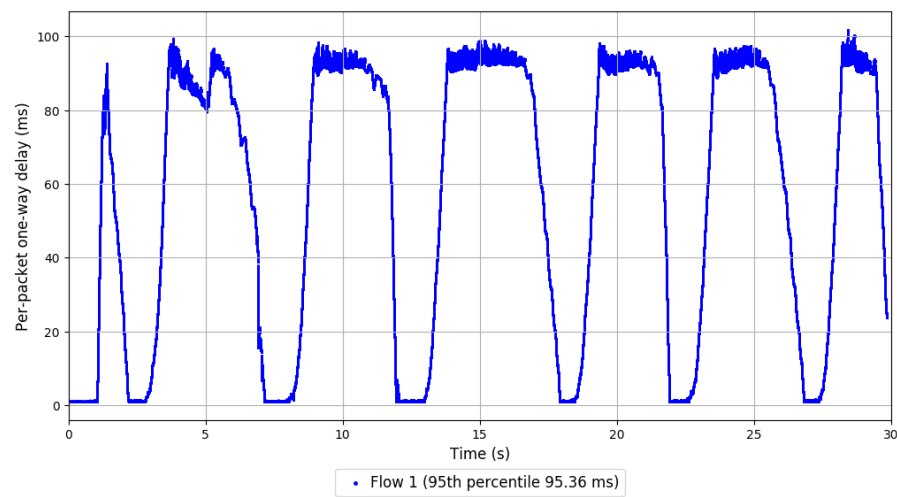
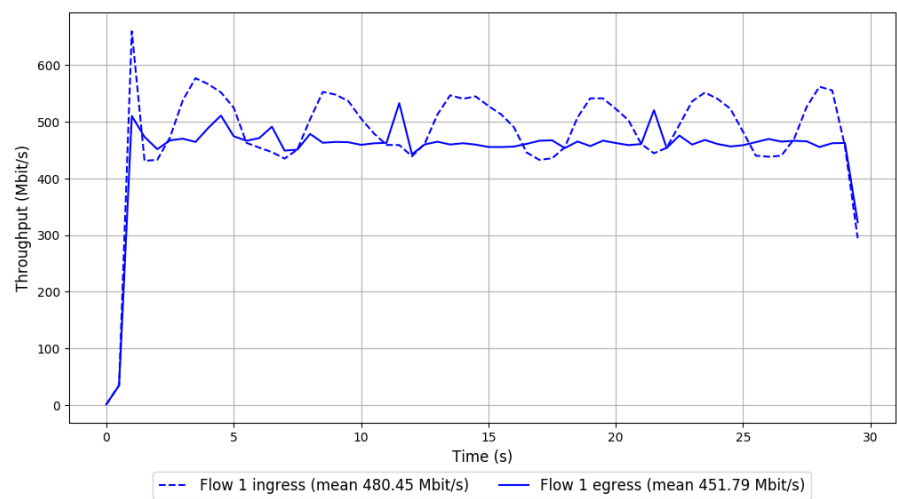


Run 10: Statistics of Vivace-loss

Start at: 2018-01-16 14:01:33
End at: 2018-01-16 14:02:03
Local clock offset: -4.389 ms
Remote clock offset: -1.704 ms

Below is generated by plot.py at 2018-01-16 20:46:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 451.79 Mbit/s
95th percentile per-packet one-way delay: 95.355 ms
Loss rate: 6.03%
-- Flow 1:
Average throughput: 451.79 Mbit/s
95th percentile per-packet one-way delay: 95.355 ms
Loss rate: 6.03%

Run 10: Report of Vivace-loss — Data Link

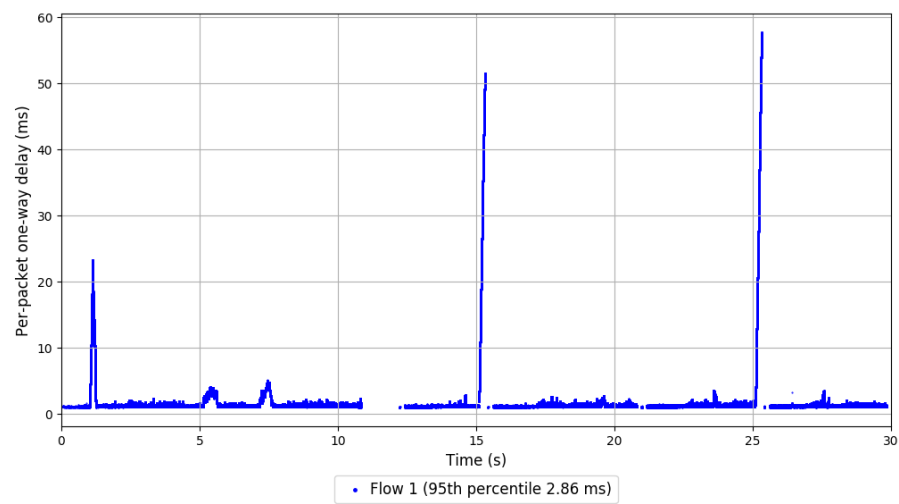
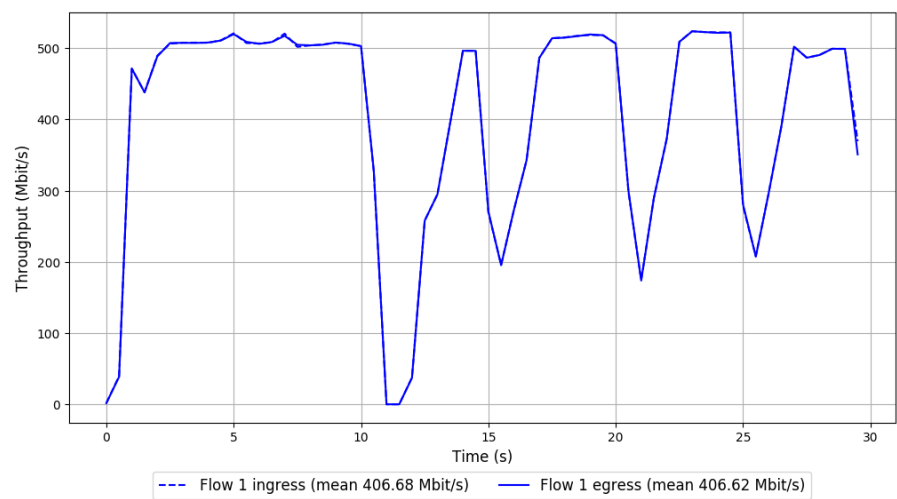


Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 10:16:59
End at: 2018-01-16 10:17:29
Local clock offset: -4.987 ms
Remote clock offset: -2.873 ms

Below is generated by plot.py at 2018-01-16 20:46:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 406.62 Mbit/s
95th percentile per-packet one-way delay: 2.863 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 406.62 Mbit/s
95th percentile per-packet one-way delay: 2.863 ms
Loss rate: 0.08%

Run 1: Report of Vivace-LTE — Data Link

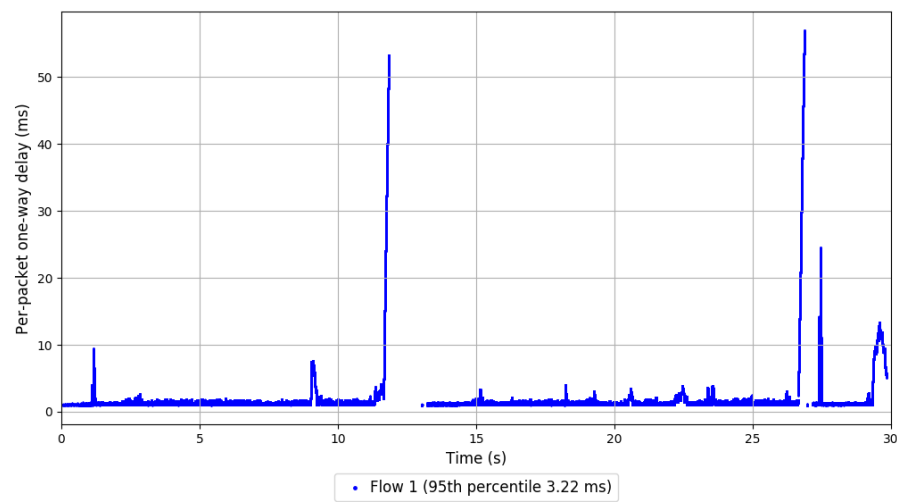
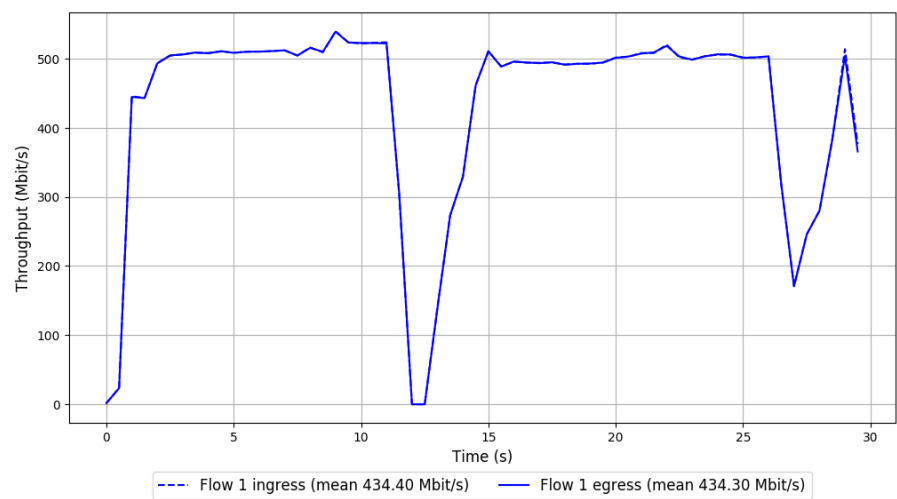


Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 10:42:36
End at: 2018-01-16 10:43:06
Local clock offset: -5.108 ms
Remote clock offset: -2.225 ms

Below is generated by plot.py at 2018-01-16 20:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 434.30 Mbit/s
95th percentile per-packet one-way delay: 3.216 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 434.30 Mbit/s
95th percentile per-packet one-way delay: 3.216 ms
Loss rate: 0.08%

Run 2: Report of Vivace-LTE — Data Link

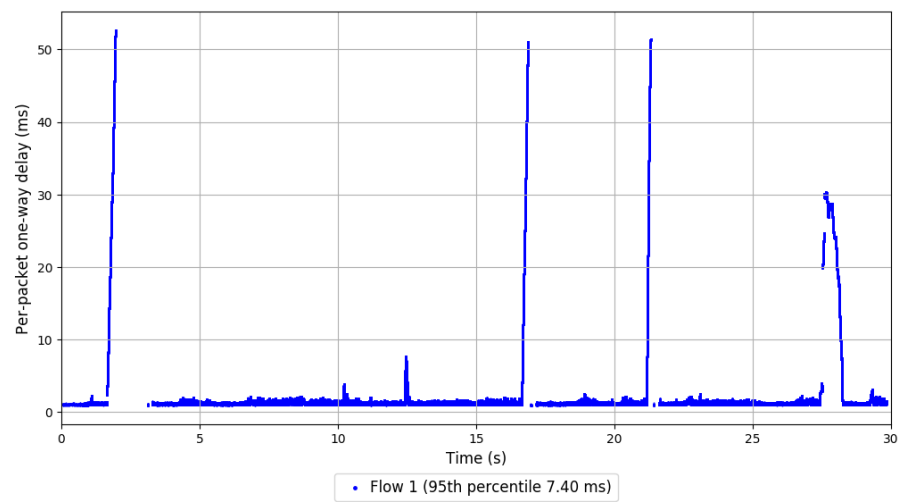
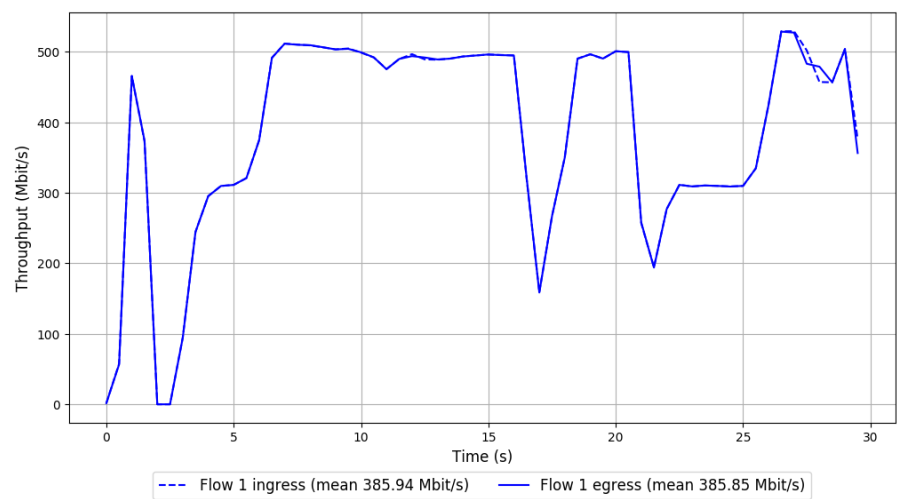


Run 3: Statistics of Vivace-LTE

Start at: 2018-01-16 11:08:48
End at: 2018-01-16 11:09:18
Local clock offset: -5.111 ms
Remote clock offset: -1.388 ms

Below is generated by plot.py at 2018-01-16 20:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 385.85 Mbit/s
95th percentile per-packet one-way delay: 7.402 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 385.85 Mbit/s
95th percentile per-packet one-way delay: 7.402 ms
Loss rate: 0.09%

Run 3: Report of Vivace-LTE — Data Link

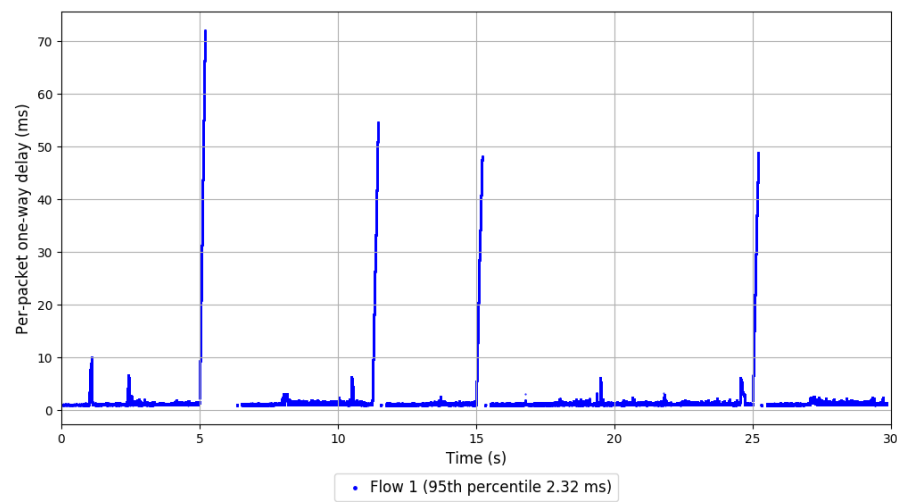
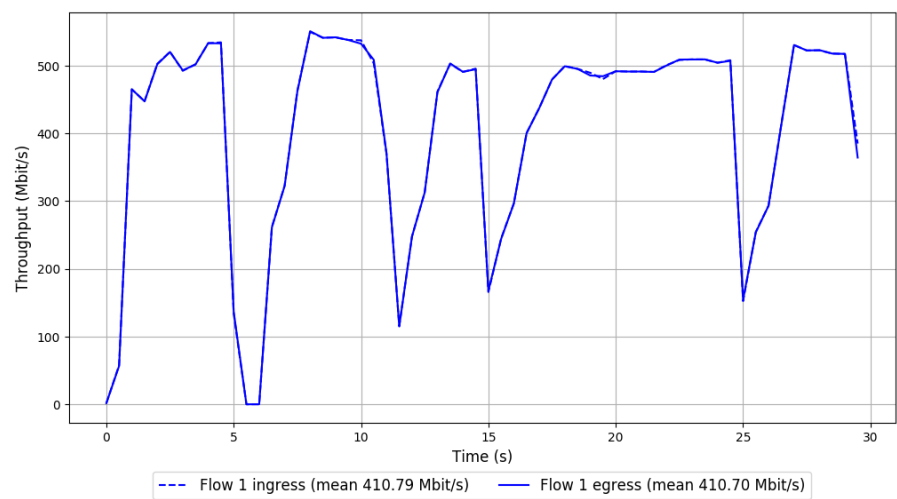


Run 4: Statistics of Vivace-LTE

Start at: 2018-01-16 11:34:56
End at: 2018-01-16 11:35:26
Local clock offset: -5.126 ms
Remote clock offset: -1.414 ms

Below is generated by plot.py at 2018-01-16 20:47:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 410.70 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 410.70 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.09%

Run 4: Report of Vivace-LTE — Data Link

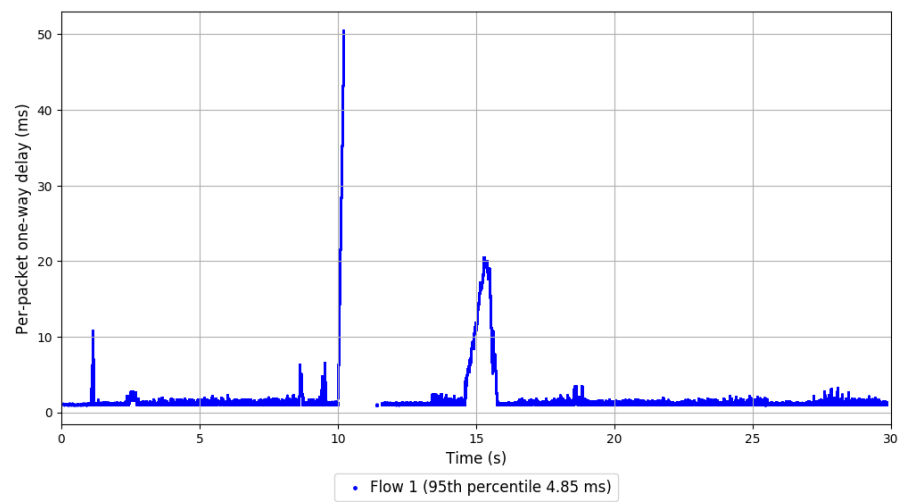
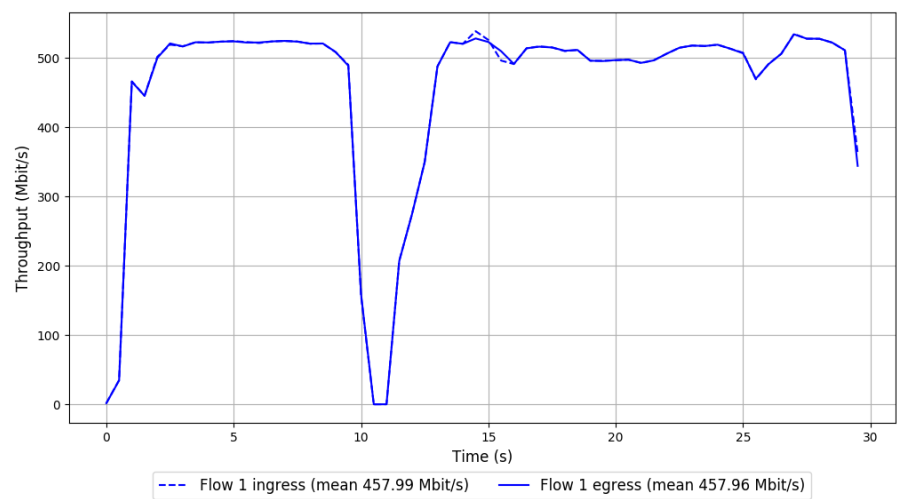


Run 5: Statistics of Vivace-LTE

Start at: 2018-01-16 12:00:02
End at: 2018-01-16 12:00:32
Local clock offset: -5.049 ms
Remote clock offset: -2.093 ms

Below is generated by plot.py at 2018-01-16 20:47:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 457.96 Mbit/s
95th percentile per-packet one-way delay: 4.851 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 457.96 Mbit/s
95th percentile per-packet one-way delay: 4.851 ms
Loss rate: 0.07%

Run 5: Report of Vivace-LTE — Data Link

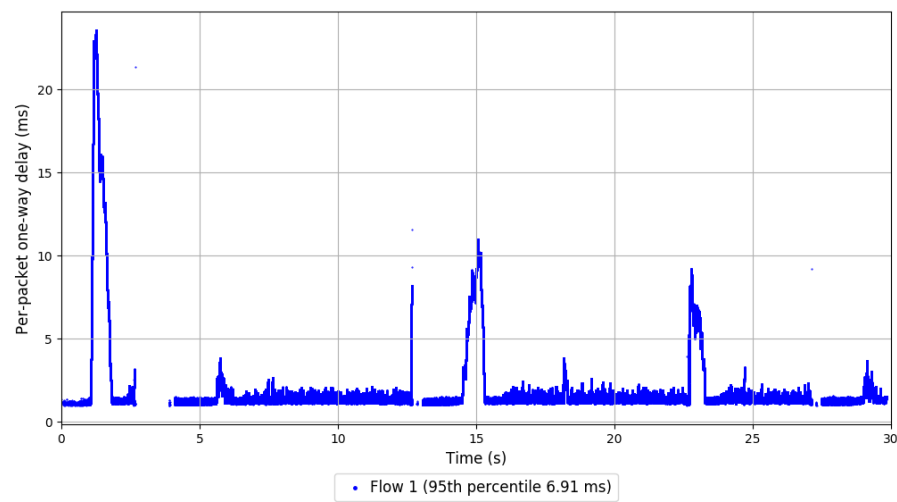
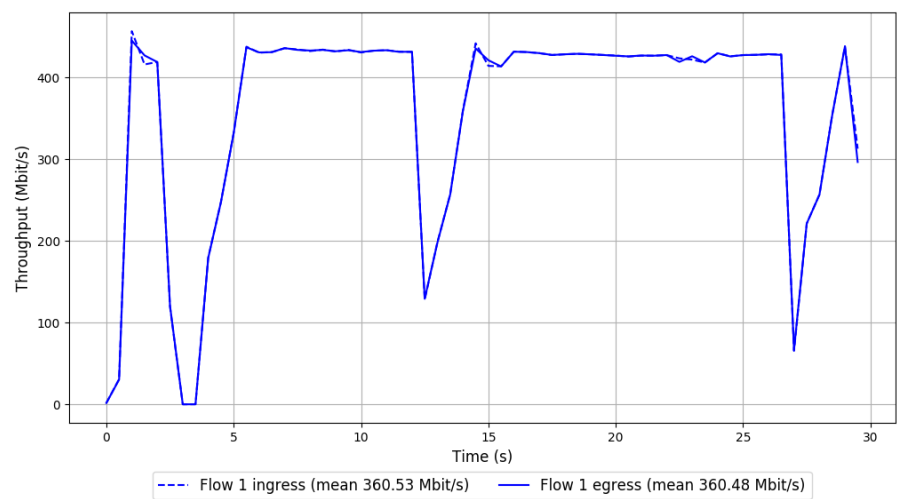


Run 6: Statistics of Vivace-LTE

Start at: 2018-01-16 12:25:37
End at: 2018-01-16 12:26:07
Local clock offset: -4.972 ms
Remote clock offset: -1.804 ms

Below is generated by plot.py at 2018-01-16 20:47:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 360.48 Mbit/s
95th percentile per-packet one-way delay: 6.906 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 360.48 Mbit/s
95th percentile per-packet one-way delay: 6.906 ms
Loss rate: 0.08%

Run 6: Report of Vivace-LTE — Data Link

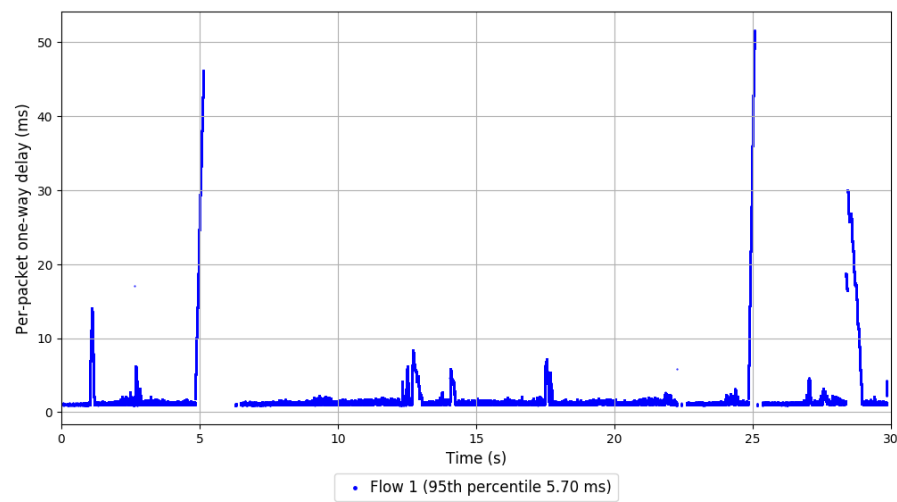
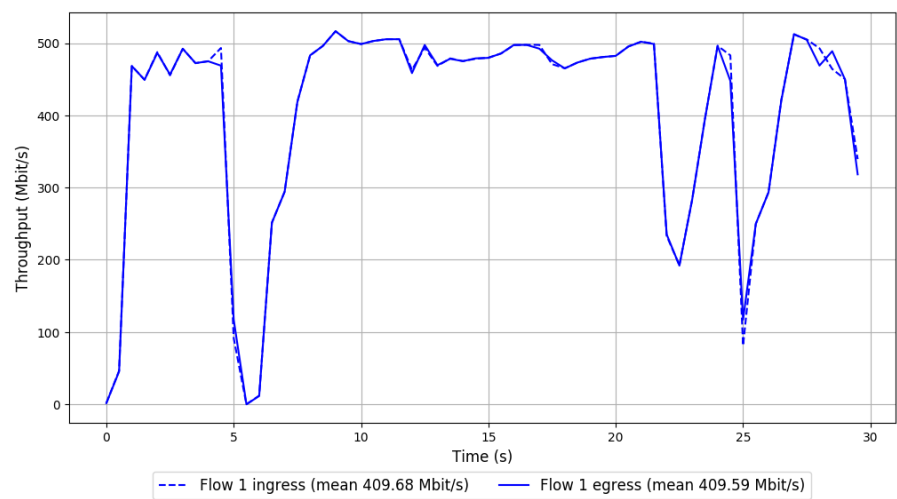


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-16 12:51:25
End at: 2018-01-16 12:51:56
Local clock offset: -5.145 ms
Remote clock offset: -1.938 ms

Below is generated by plot.py at 2018-01-16 20:50:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 409.59 Mbit/s
95th percentile per-packet one-way delay: 5.695 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 409.59 Mbit/s
95th percentile per-packet one-way delay: 5.695 ms
Loss rate: 0.09%

Run 7: Report of Vivace-LTE — Data Link

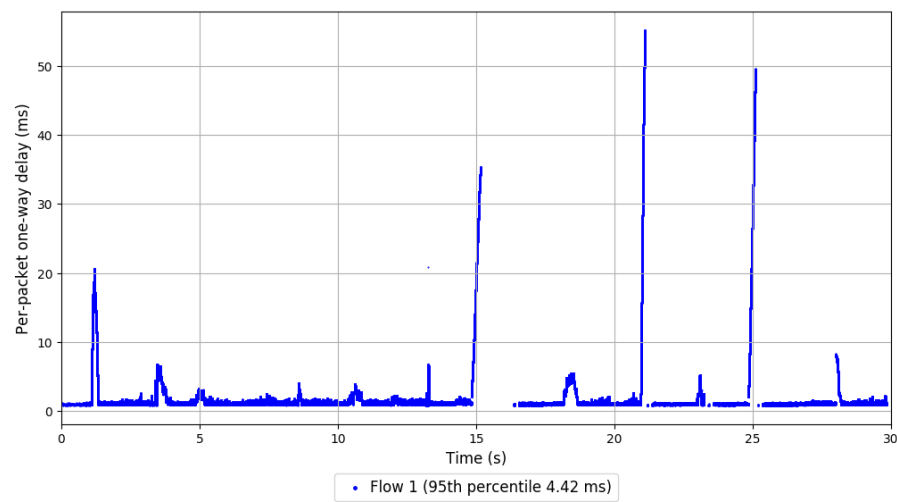
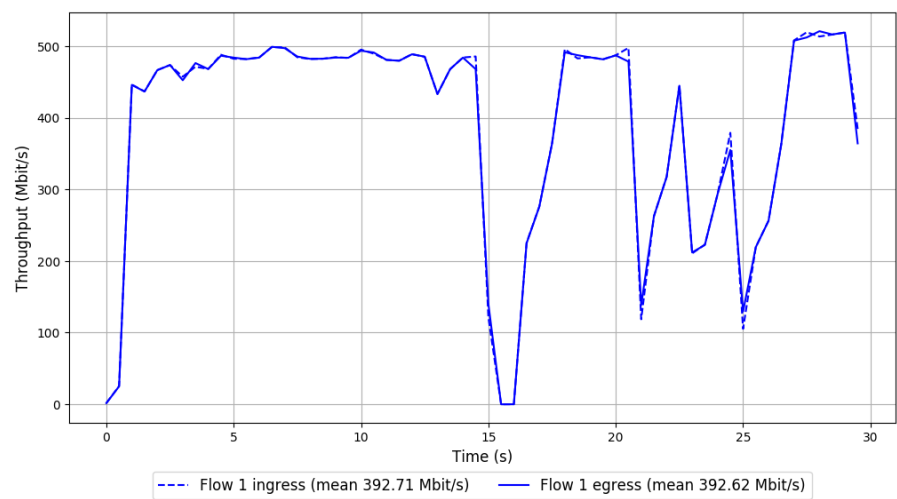


Run 8: Statistics of Vivace-LTE

Start at: 2018-01-16 13:16:40
End at: 2018-01-16 13:17:10
Local clock offset: -5.112 ms
Remote clock offset: -1.644 ms

Below is generated by plot.py at 2018-01-16 20:50:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 392.62 Mbit/s
95th percentile per-packet one-way delay: 4.415 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 392.62 Mbit/s
95th percentile per-packet one-way delay: 4.415 ms
Loss rate: 0.09%

Run 8: Report of Vivace-LTE — Data Link

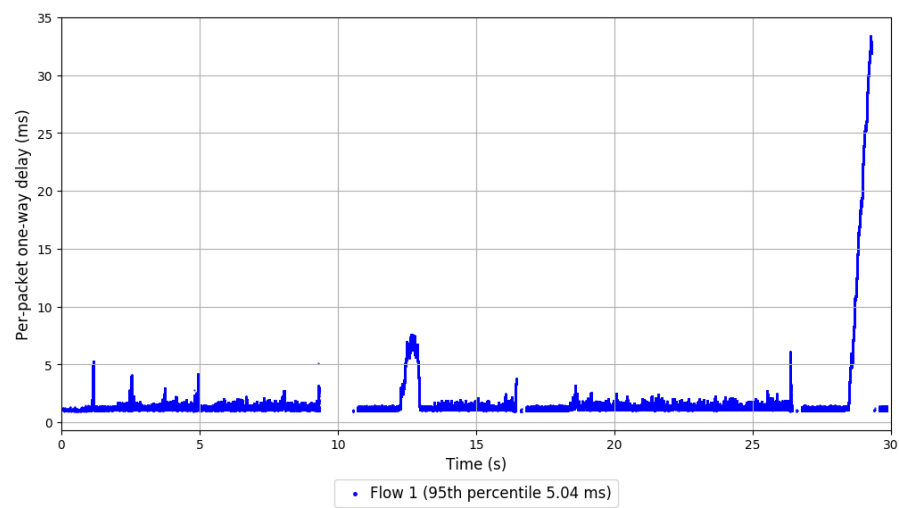
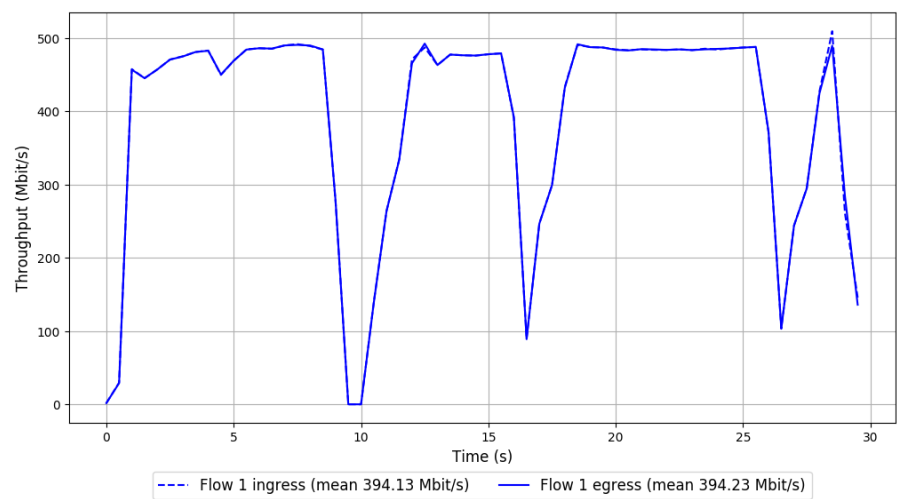


Run 9: Statistics of Vivace-LTE

Start at: 2018-01-16 13:42:41
End at: 2018-01-16 13:43:11
Local clock offset: -4.283 ms
Remote clock offset: -1.597 ms

Below is generated by plot.py at 2018-01-16 20:51:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 394.23 Mbit/s
95th percentile per-packet one-way delay: 5.041 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 394.23 Mbit/s
95th percentile per-packet one-way delay: 5.041 ms
Loss rate: 0.04%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-16 14:08:37
End at: 2018-01-16 14:09:07
Local clock offset: -4.215 ms
Remote clock offset: -1.745 ms

Below is generated by plot.py at 2018-01-16 20:51:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 368.72 Mbit/s
95th percentile per-packet one-way delay: 2.042 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 368.72 Mbit/s
95th percentile per-packet one-way delay: 2.042 ms
Loss rate: 0.04%

Run 10: Report of Vivace-LTE — Data Link

