

Pantheon Report

Generated at 2018-03-27 12:22:08 (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).

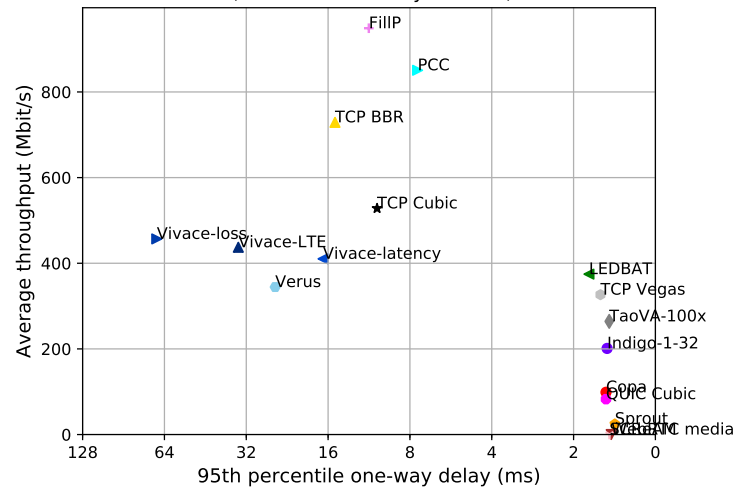
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

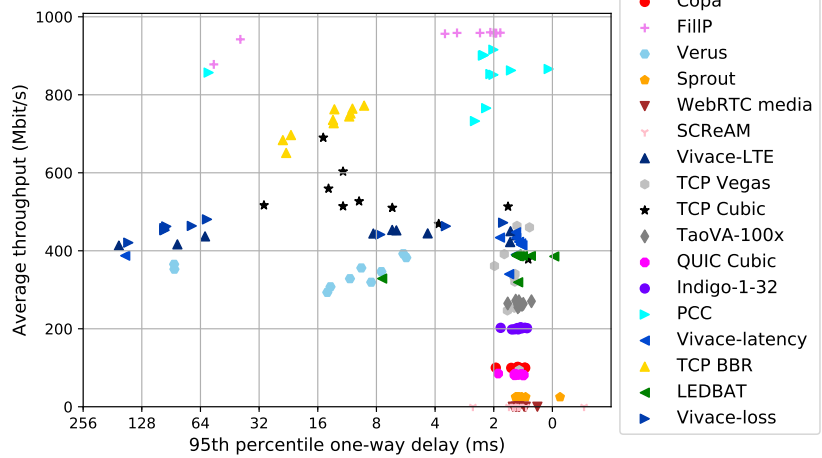
Git summary:

```
branch: master @ 503f51fe03f703a4c0a826a0792a4fead3e7d1b0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	729.05	15.09	0.09
TCP Cubic	10	528.09	10.57	0.08
LEDBAT	10	374.60	1.63	0.08
PCC	10	850.62	7.49	0.42
QUIC Cubic	10	82.69	1.21	0.07
SCReAM	10	0.22	1.12	0.13
WebRTC media	10	0.05	1.08	0.01
Sprout	10	24.82	0.99	0.05
TaoVA-100x	10	264.29	1.13	0.07
TCP Vegas	10	326.63	1.34	0.06
Verus	10	344.44	25.05	0.22
Copa	10	98.73	1.21	0.06
FillP	10	948.81	11.33	0.81
Indigo-1-32	10	201.12	1.18	0.07
Vivace-latency	10	410.32	16.71	0.23
Vivace-loss	10	456.83	68.28	1.30
Vivace-LTE	10	437.39	34.23	0.77

Run 1: Statistics of TCP BBR

Start at: 2018-03-27 00:39:44

End at: 2018-03-27 00:40:14

Local clock offset: 3.87 ms

Remote clock offset: -6.586 ms

Below is generated by plot.py at 2018-03-27 10:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 744.49 Mbit/s

95th percentile per-packet one-way delay: 11.032 ms

Loss rate: 0.09%

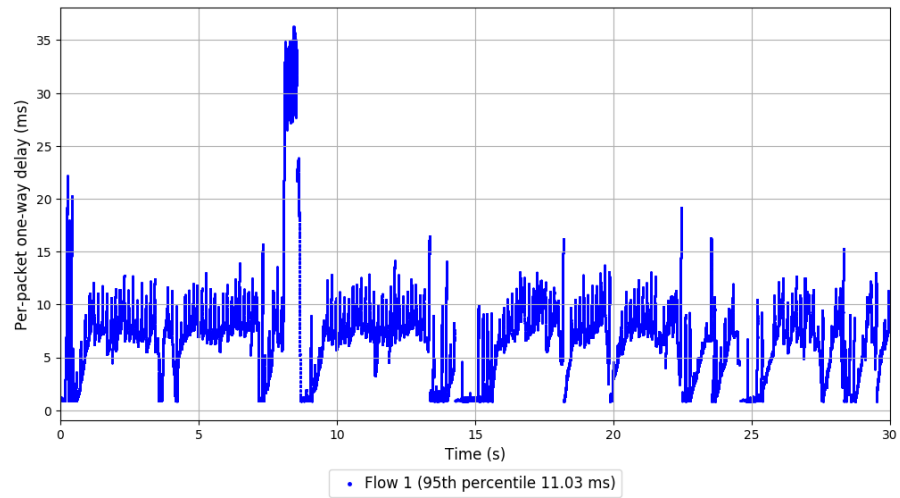
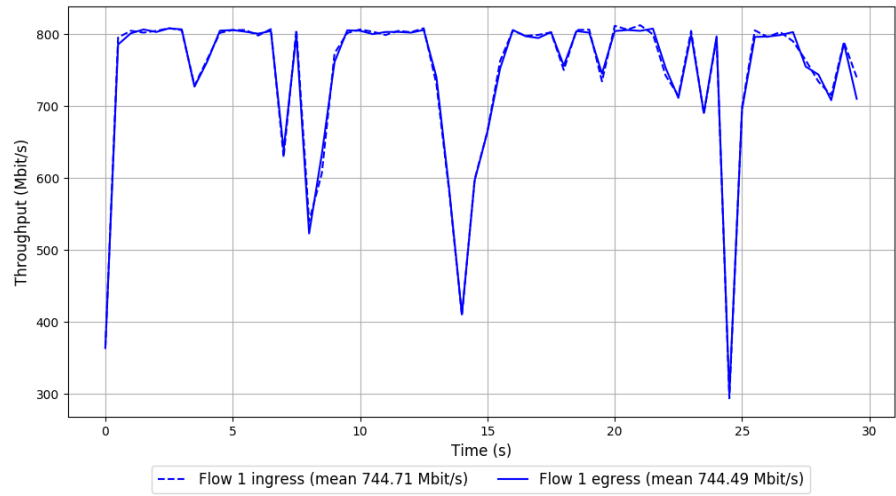
-- Flow 1:

Average throughput: 744.49 Mbit/s

95th percentile per-packet one-way delay: 11.032 ms

Loss rate: 0.09%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-03-27 01:07:14

End at: 2018-03-27 01:07:44

Local clock offset: 3.81 ms

Remote clock offset: -6.588 ms

Below is generated by plot.py at 2018-03-27 10:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 683.86 Mbit/s

95th percentile per-packet one-way delay: 24.171 ms

Loss rate: 0.10%

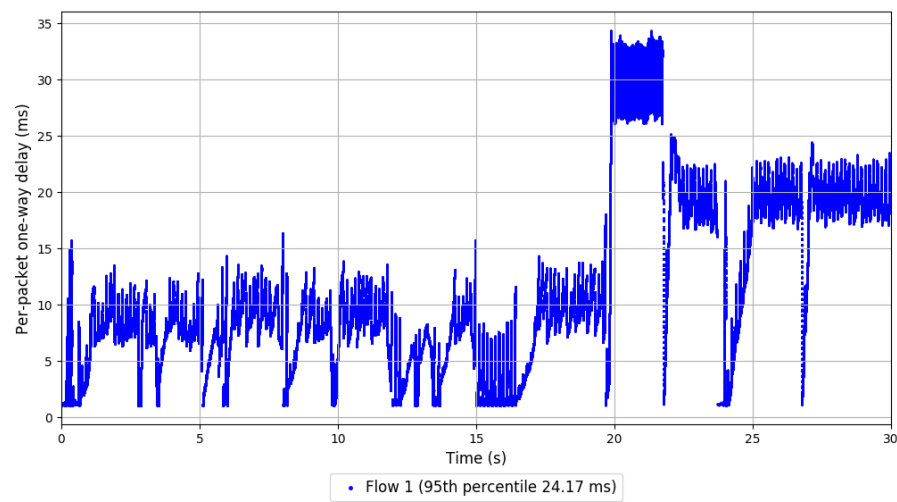
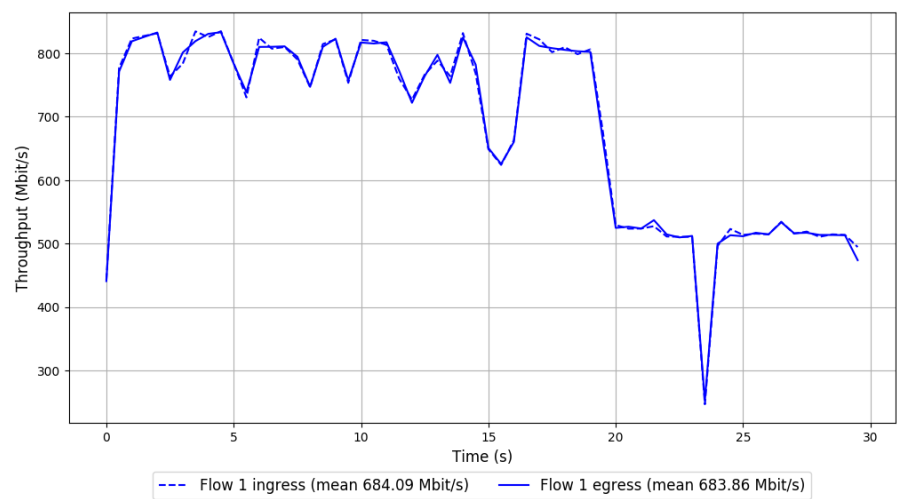
-- Flow 1:

Average throughput: 683.86 Mbit/s

95th percentile per-packet one-way delay: 24.171 ms

Loss rate: 0.10%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-27 01:34:43

End at: 2018-03-27 01:35:13

Local clock offset: 0.455 ms

Remote clock offset: -5.96 ms

Below is generated by plot.py at 2018-03-27 10:34:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 762.85 Mbit/s

95th percentile per-packet one-way delay: 13.146 ms

Loss rate: 0.08%

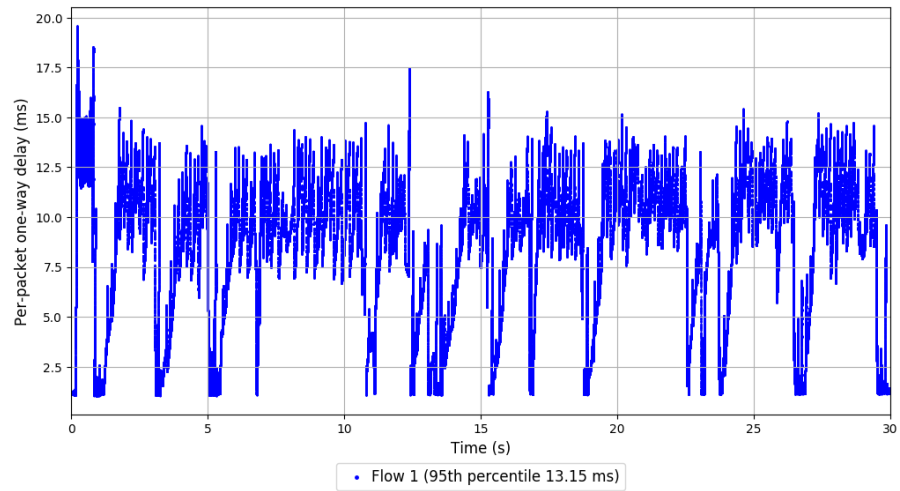
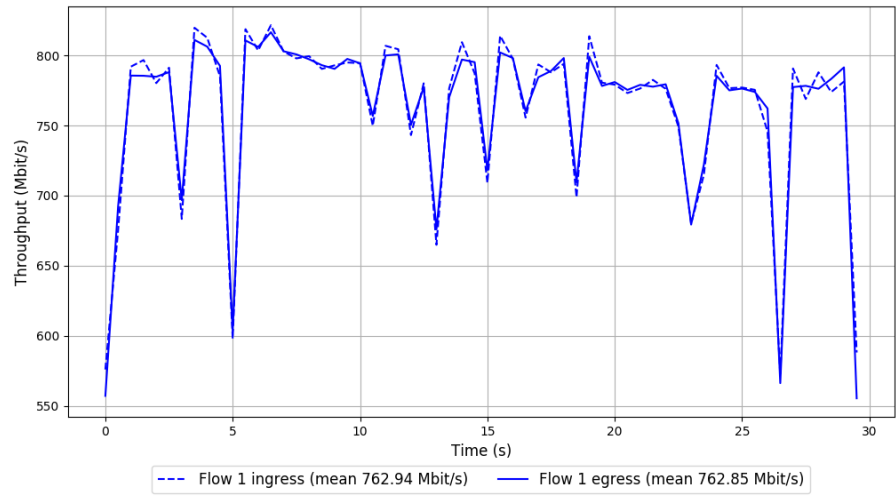
-- Flow 1:

Average throughput: 762.85 Mbit/s

95th percentile per-packet one-way delay: 13.146 ms

Loss rate: 0.08%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-27 02:02:23

End at: 2018-03-27 02:02:53

Local clock offset: -0.689 ms

Remote clock offset: -5.055 ms

Below is generated by plot.py at 2018-03-27 10:34:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 696.80 Mbit/s

95th percentile per-packet one-way delay: 21.965 ms

Loss rate: 0.10%

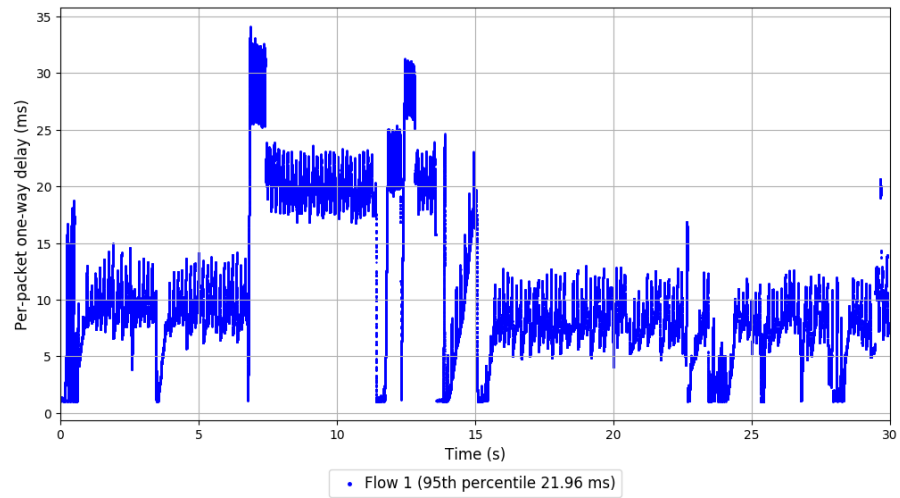
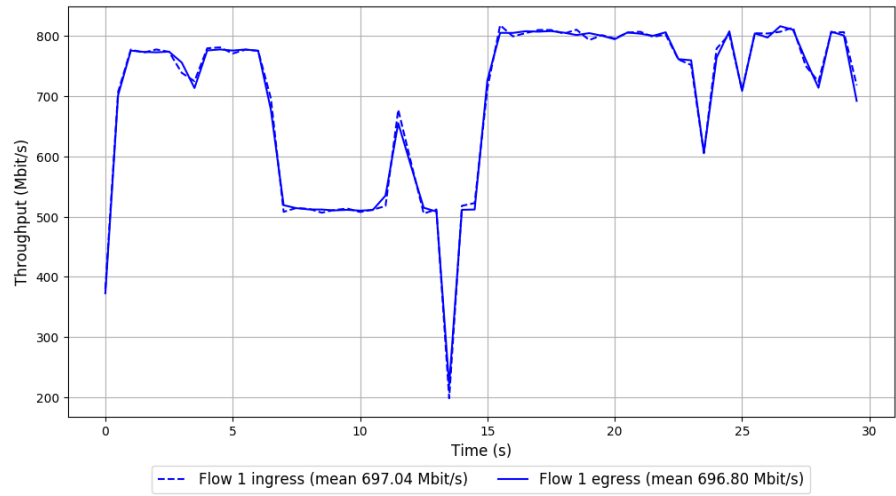
-- Flow 1:

Average throughput: 696.80 Mbit/s

95th percentile per-packet one-way delay: 21.965 ms

Loss rate: 0.10%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-27 02:30:06

End at: 2018-03-27 02:30:36

Local clock offset: 0.287 ms

Remote clock offset: -6.24 ms

Below is generated by plot.py at 2018-03-27 10:34:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.53 Mbit/s

95th percentile per-packet one-way delay: 10.622 ms

Loss rate: 0.08%

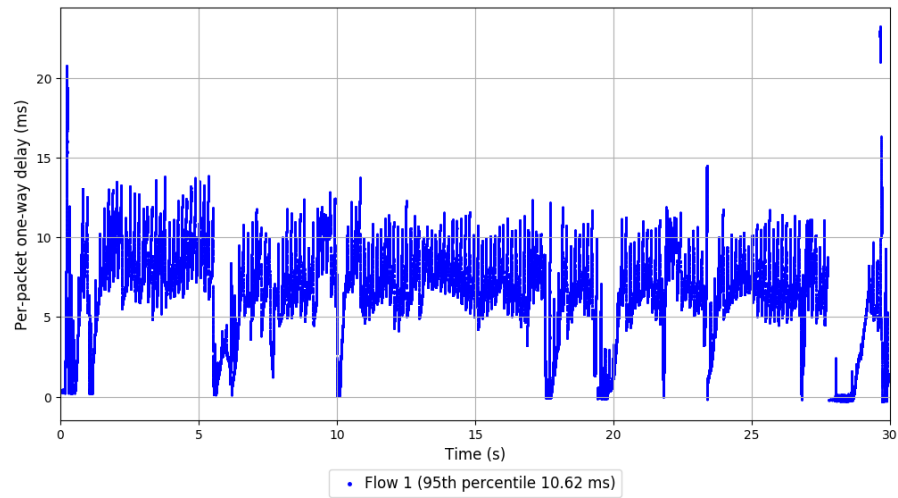
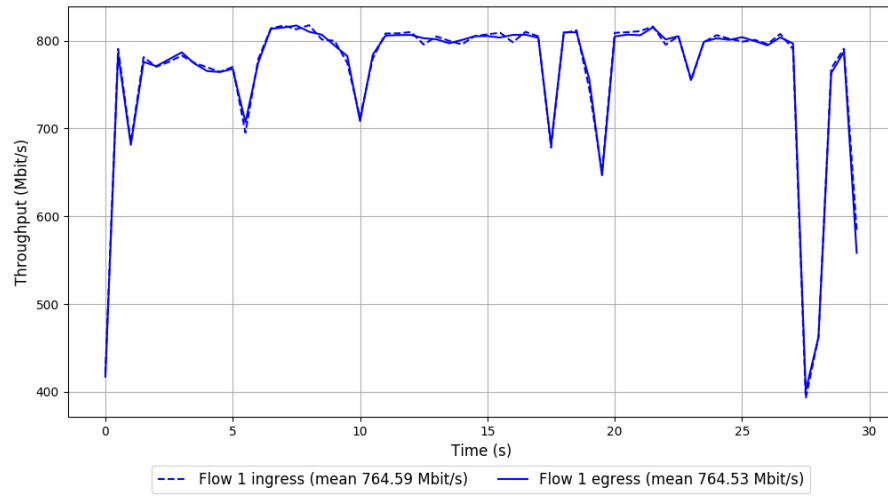
-- Flow 1:

Average throughput: 764.53 Mbit/s

95th percentile per-packet one-way delay: 10.622 ms

Loss rate: 0.08%

Run 5: Report of TCP BBR — Data Link

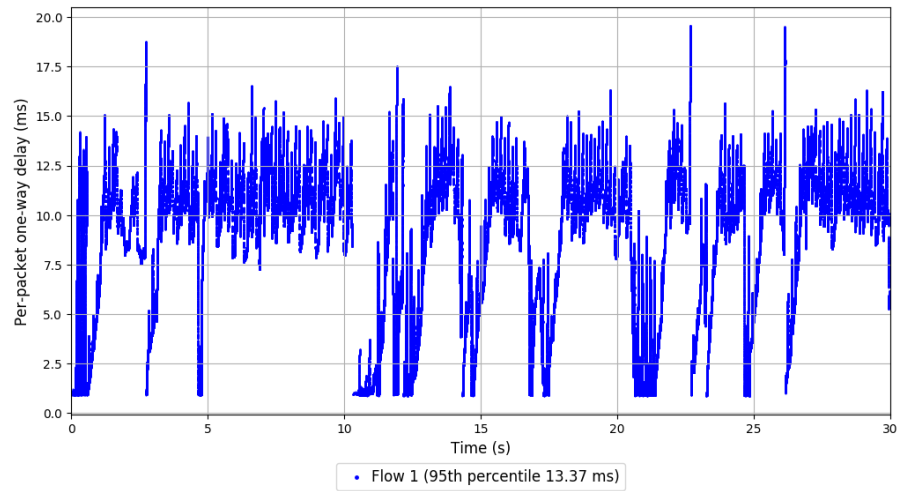
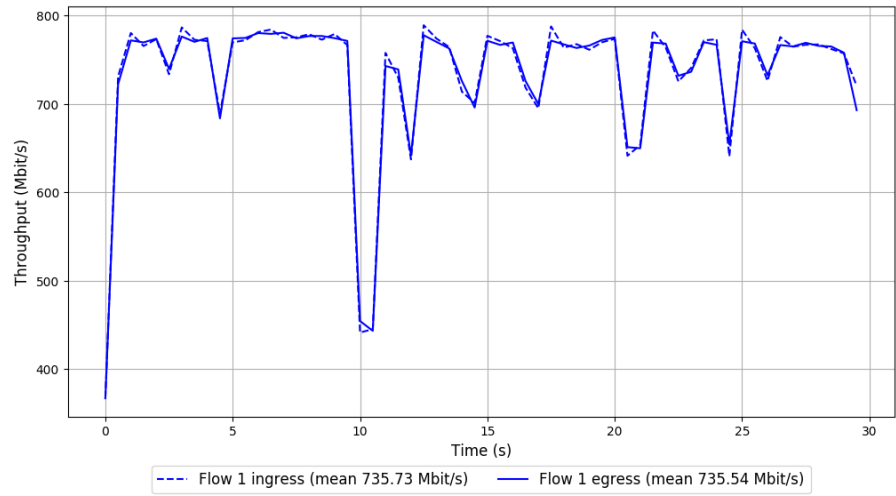


Run 6: Statistics of TCP BBR

Start at: 2018-03-27 02:57:30
End at: 2018-03-27 02:58:01
Local clock offset: 11.731 ms
Remote clock offset: -5.205 ms

Below is generated by plot.py at 2018-03-27 10:34:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 735.54 Mbit/s
95th percentile per-packet one-way delay: 13.370 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 735.54 Mbit/s
95th percentile per-packet one-way delay: 13.370 ms
Loss rate: 0.09%

Run 6: Report of TCP BBR — Data Link

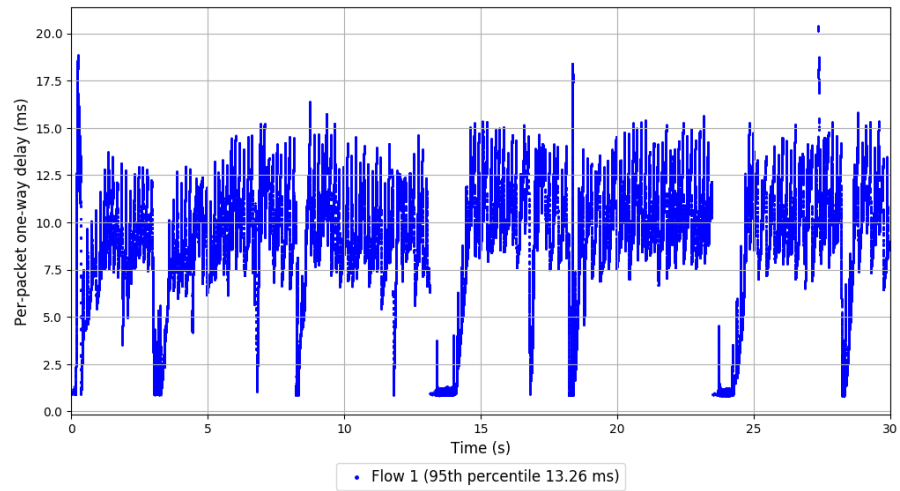
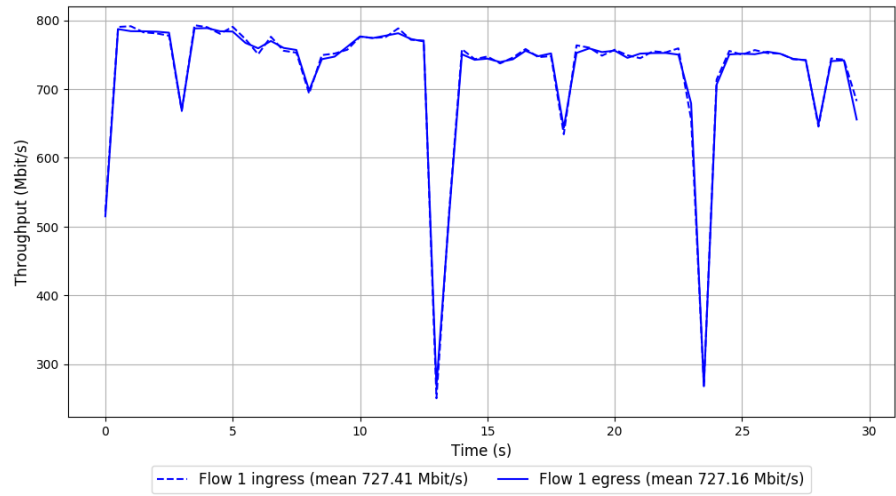


Run 7: Statistics of TCP BBR

Start at: 2018-03-27 03:25:06
End at: 2018-03-27 03:25:36
Local clock offset: 15.126 ms
Remote clock offset: -5.066 ms

Below is generated by plot.py at 2018-03-27 10:34:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 727.16 Mbit/s
95th percentile per-packet one-way delay: 13.256 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 727.16 Mbit/s
95th percentile per-packet one-way delay: 13.256 ms
Loss rate: 0.10%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-27 03:55:16

End at: 2018-03-27 03:55:46

Local clock offset: 0.278 ms

Below is generated by plot.py at 2018-03-27 10:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 772.24 Mbit/s

95th percentile per-packet one-way delay: 9.250 ms

Loss rate: 0.09%

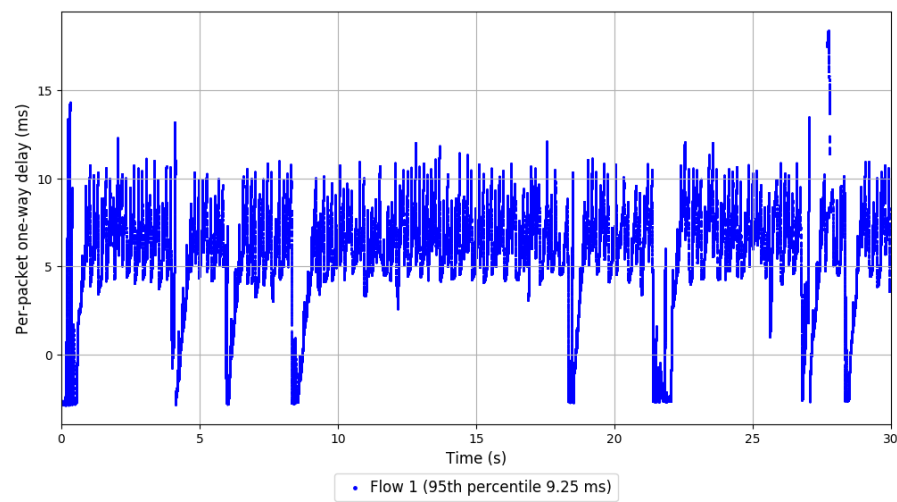
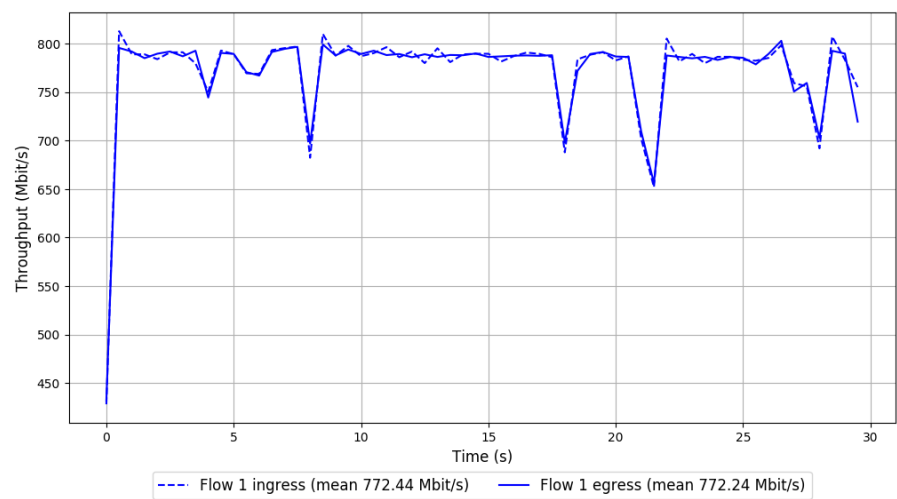
-- Flow 1:

Average throughput: 772.24 Mbit/s

95th percentile per-packet one-way delay: 9.250 ms

Loss rate: 0.09%

Run 8: Report of TCP BBR — Data Link

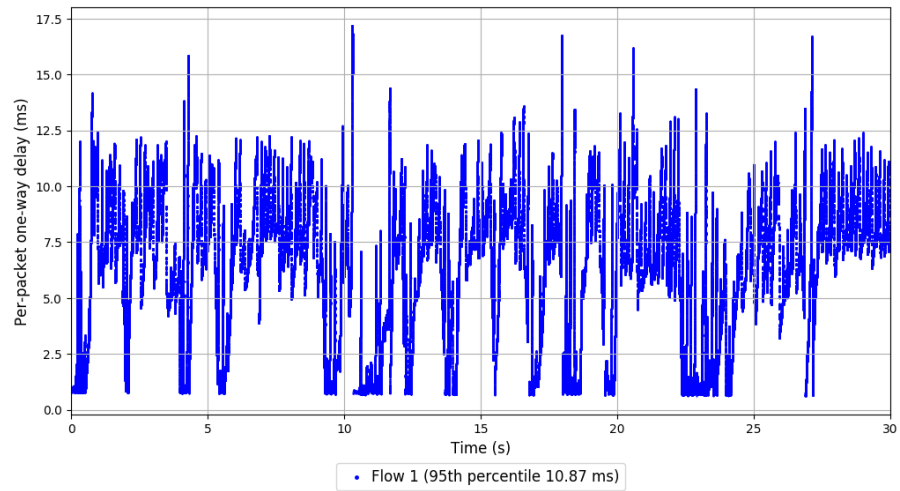
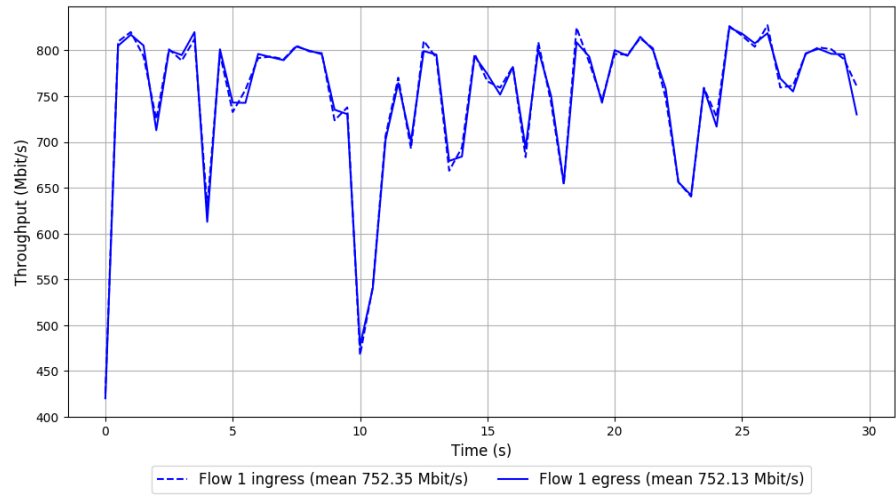


Run 9: Statistics of TCP BBR

Start at: 2018-03-27 04:48:49
End at: 2018-03-27 04:49:20
Local clock offset: -3.012 ms
Remote clock offset: -6.424 ms

Below is generated by plot.py at 2018-03-27 10:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 752.13 Mbit/s
95th percentile per-packet one-way delay: 10.865 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 752.13 Mbit/s
95th percentile per-packet one-way delay: 10.865 ms
Loss rate: 0.10%

Run 9: Report of TCP BBR — Data Link

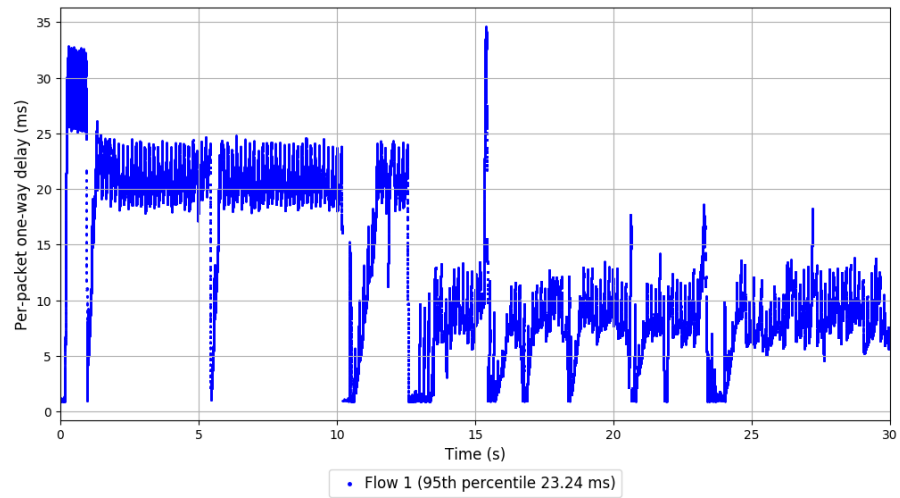
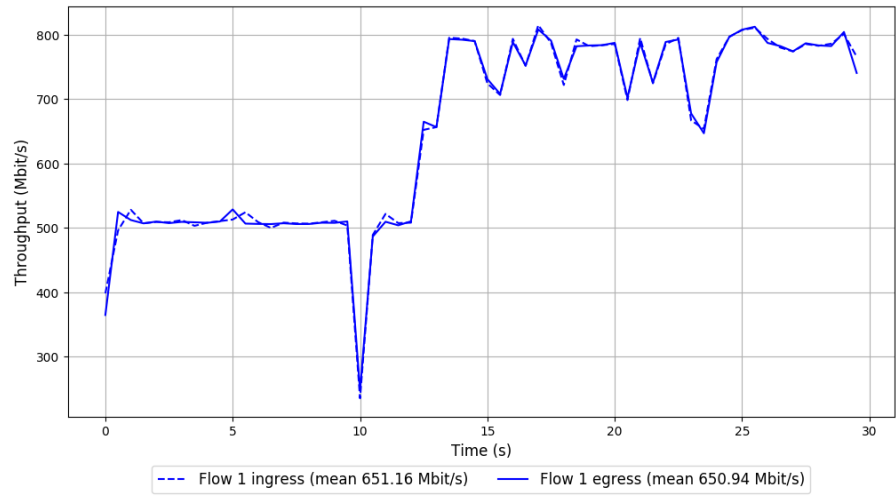


Run 10: Statistics of TCP BBR

Start at: 2018-03-27 05:16:11
End at: 2018-03-27 05:16:41
Local clock offset: -1.373 ms
Remote clock offset: -6.225 ms

Below is generated by plot.py at 2018-03-27 10:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 650.94 Mbit/s
95th percentile per-packet one-way delay: 23.240 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 650.94 Mbit/s
95th percentile per-packet one-way delay: 23.240 ms
Loss rate: 0.10%

Run 10: Report of TCP BBR — Data Link

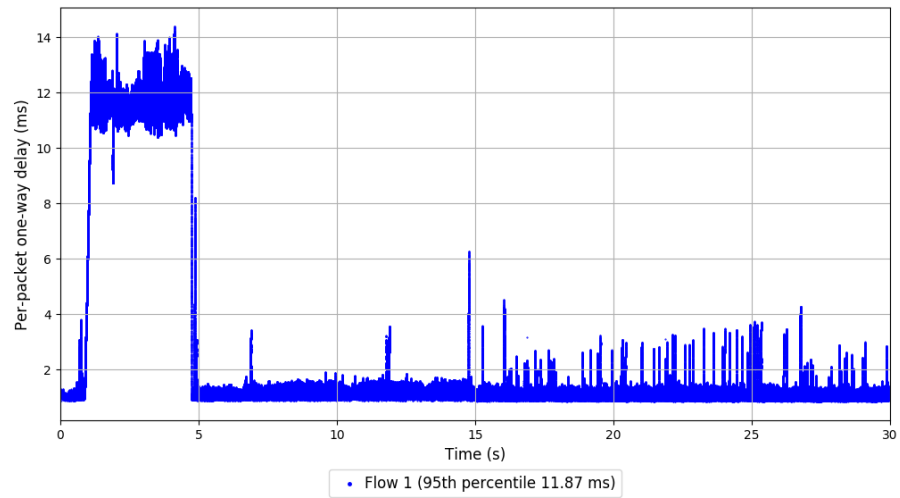
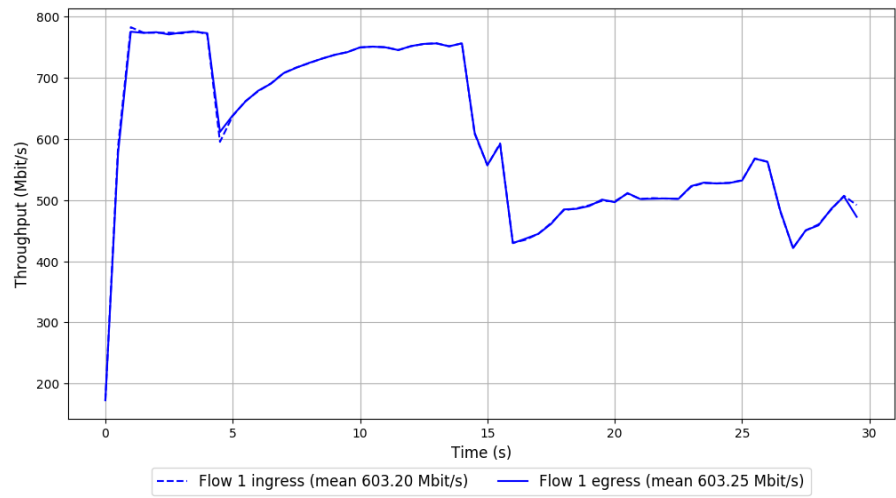


Run 1: Statistics of TCP Cubic

Start at: 2018-03-27 00:44:33
End at: 2018-03-27 00:45:03
Local clock offset: 4.107 ms
Remote clock offset: -6.795 ms

Below is generated by plot.py at 2018-03-27 10:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 603.25 Mbit/s
95th percentile per-packet one-way delay: 11.870 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 603.25 Mbit/s
95th percentile per-packet one-way delay: 11.870 ms
Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link

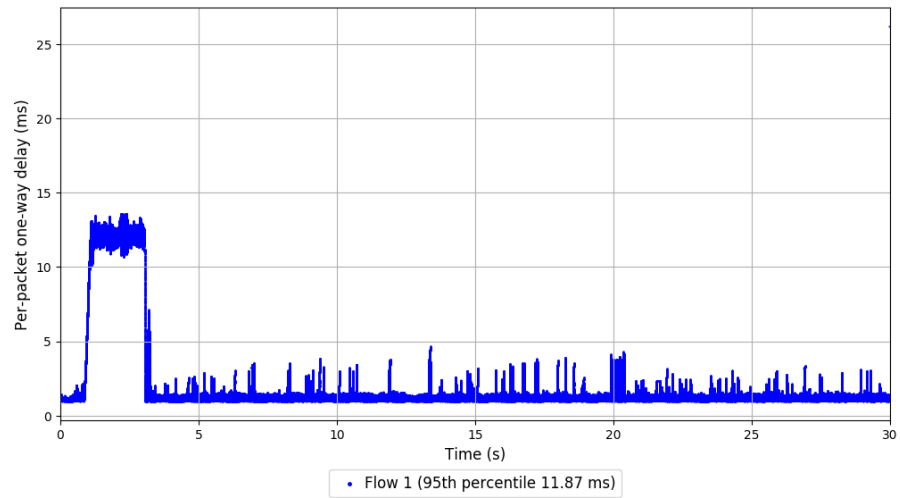
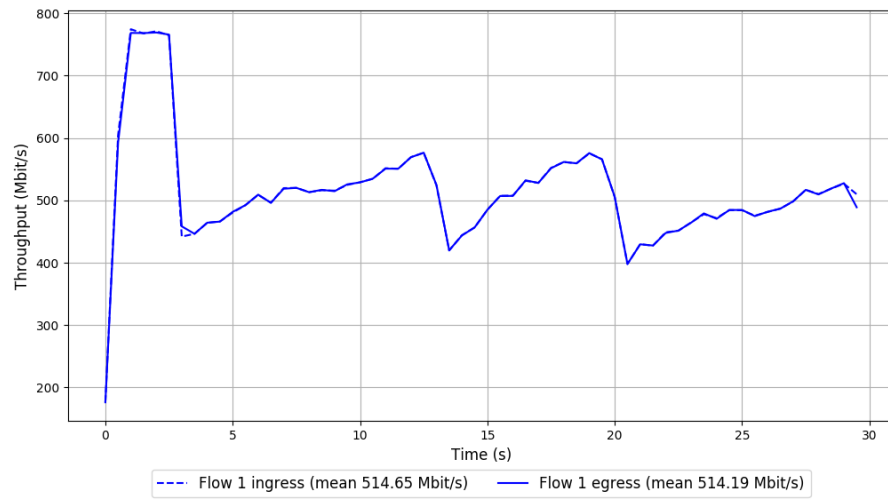


Run 2: Statistics of TCP Cubic

Start at: 2018-03-27 01:12:04
End at: 2018-03-27 01:12:34
Local clock offset: 3.858 ms
Remote clock offset: -6.332 ms

Below is generated by plot.py at 2018-03-27 10:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 514.19 Mbit/s
95th percentile per-packet one-way delay: 11.868 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 514.19 Mbit/s
95th percentile per-packet one-way delay: 11.868 ms
Loss rate: 0.07%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-27 01:39:37

End at: 2018-03-27 01:40:07

Local clock offset: -0.057 ms

Remote clock offset: -5.61 ms

Below is generated by plot.py at 2018-03-27 10:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.39 Mbit/s

95th percentile per-packet one-way delay: 1.513 ms

Loss rate: 0.07%

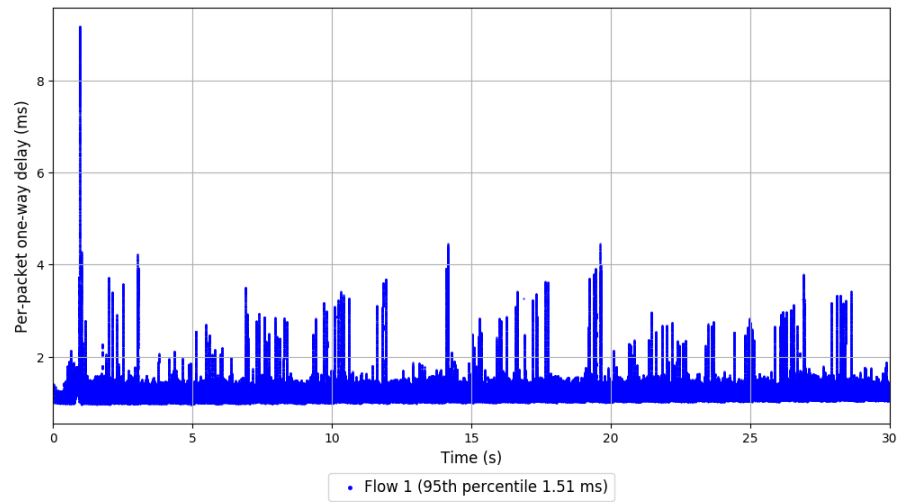
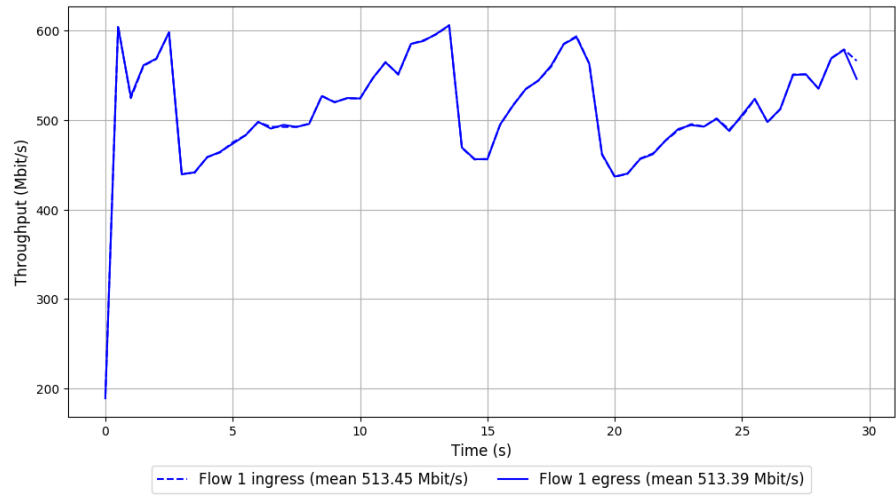
-- Flow 1:

Average throughput: 513.39 Mbit/s

95th percentile per-packet one-way delay: 1.513 ms

Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link

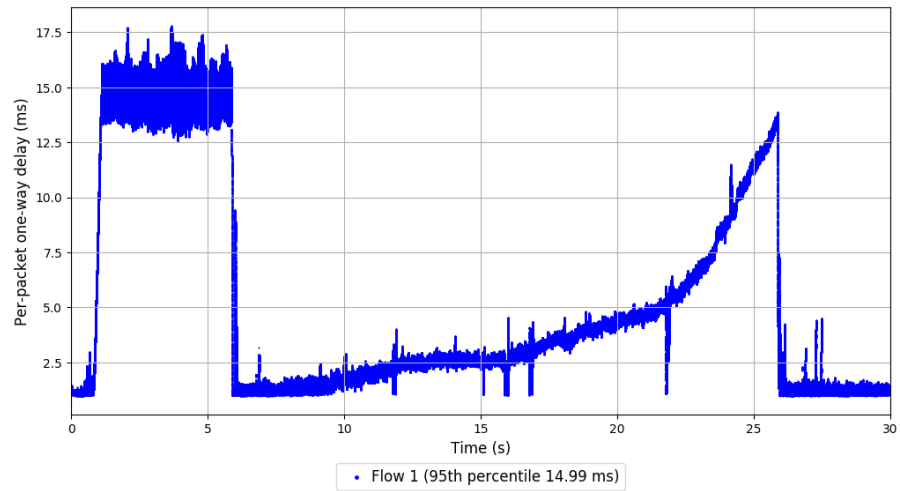
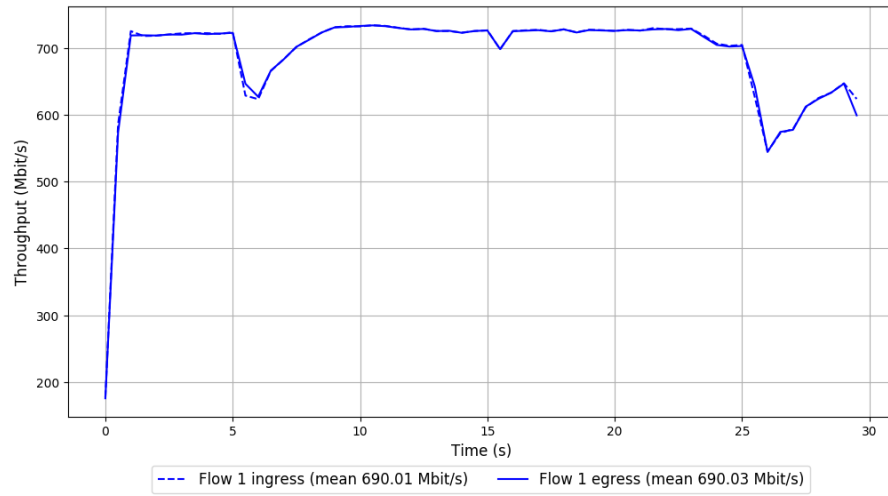


Run 4: Statistics of TCP Cubic

Start at: 2018-03-27 02:07:10
End at: 2018-03-27 02:07:40
Local clock offset: -0.689 ms
Remote clock offset: -4.989 ms

Below is generated by plot.py at 2018-03-27 10:43:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 690.03 Mbit/s
95th percentile per-packet one-way delay: 14.995 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 690.03 Mbit/s
95th percentile per-packet one-way delay: 14.995 ms
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

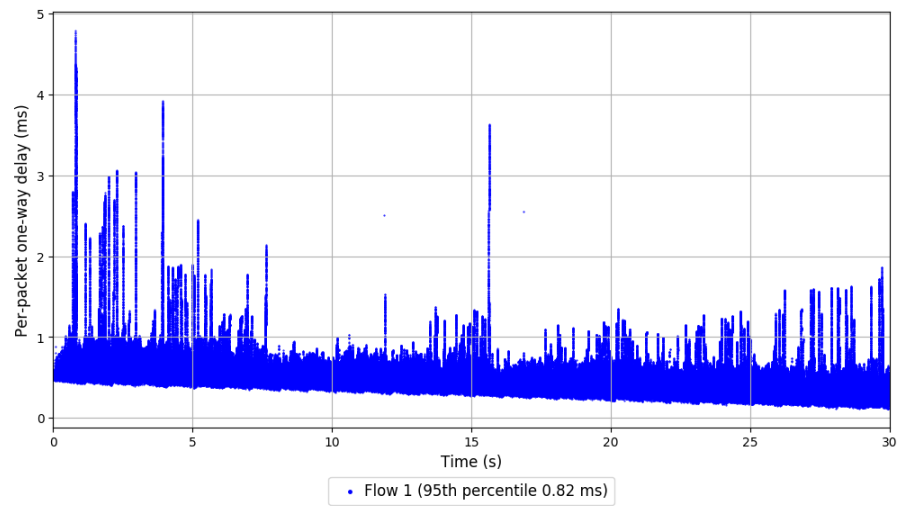
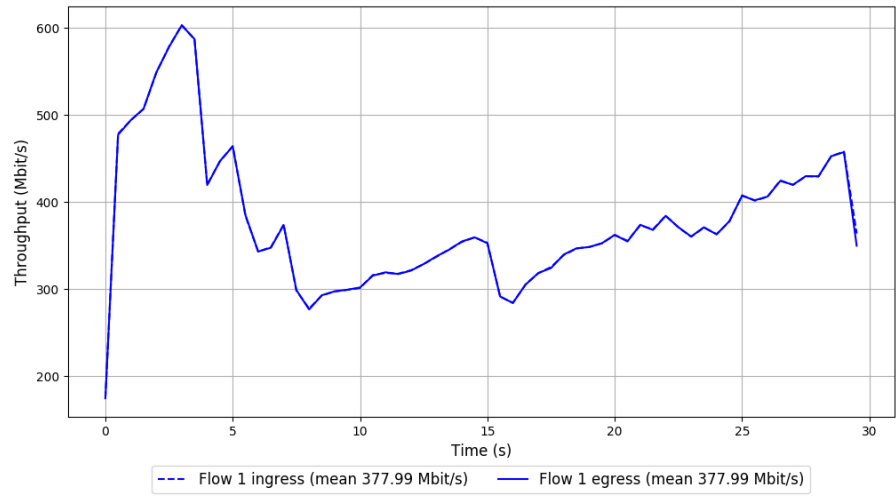


Run 5: Statistics of TCP Cubic

Start at: 2018-03-27 02:34:59
End at: 2018-03-27 02:35:29
Local clock offset: 4.548 ms
Remote clock offset: -6.341 ms

Below is generated by plot.py at 2018-03-27 10:43:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.99 Mbit/s
95th percentile per-packet one-way delay: 0.824 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 377.99 Mbit/s
95th percentile per-packet one-way delay: 0.824 ms
Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-03-27 03:02:23

End at: 2018-03-27 03:02:53

Local clock offset: 12.43 ms

Remote clock offset: -4.957 ms

Below is generated by plot.py at 2018-03-27 10:43:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 526.86 Mbit/s

95th percentile per-packet one-way delay: 9.819 ms

Loss rate: 0.08%

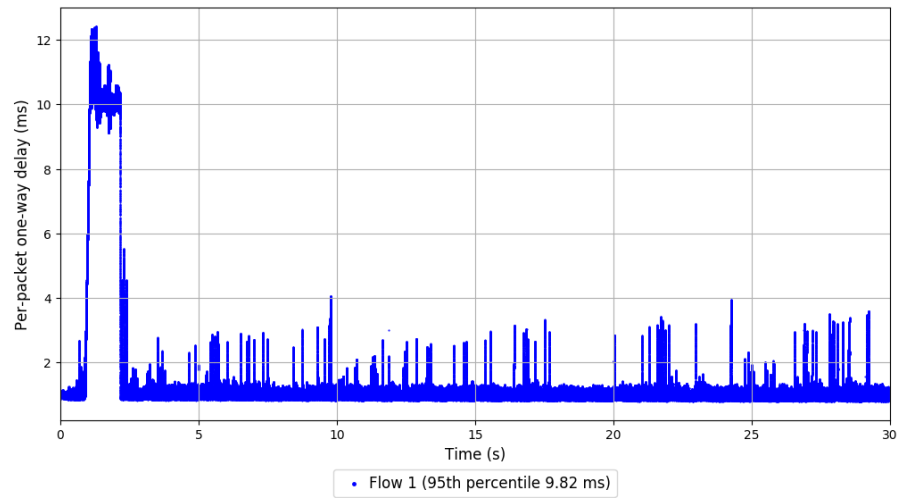
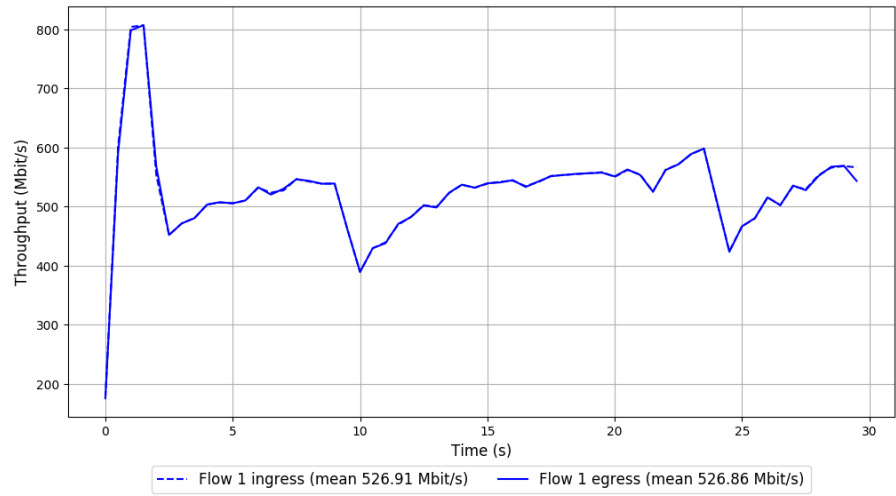
-- Flow 1:

Average throughput: 526.86 Mbit/s

95th percentile per-packet one-way delay: 9.819 ms

Loss rate: 0.08%

Run 6: Report of TCP Cubic — Data Link

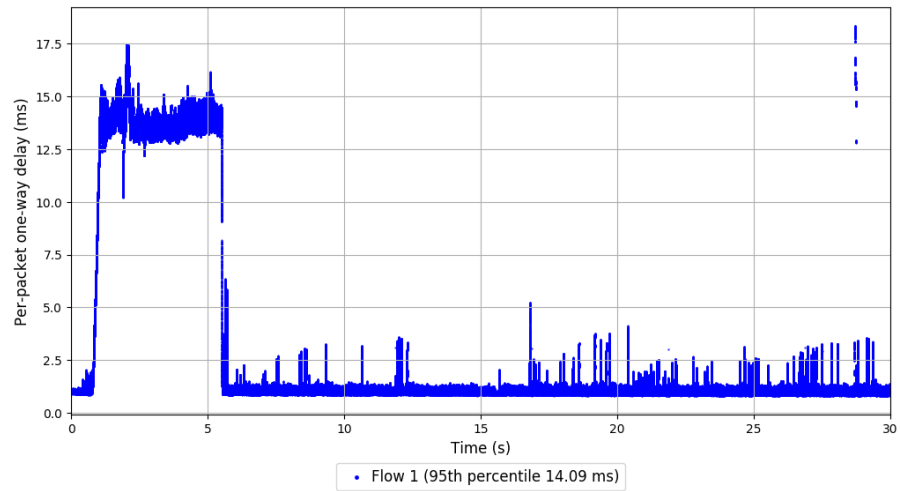
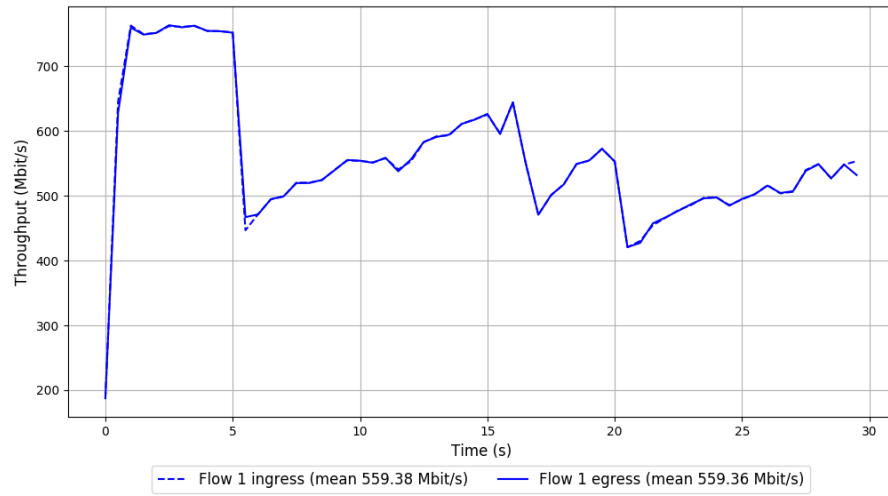


Run 7: Statistics of TCP Cubic

Start at: 2018-03-27 03:29:59
End at: 2018-03-27 03:30:29
Local clock offset: 15.637 ms
Remote clock offset: -5.144 ms

Below is generated by plot.py at 2018-03-27 10:47:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 559.36 Mbit/s
95th percentile per-packet one-way delay: 14.093 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 559.36 Mbit/s
95th percentile per-packet one-way delay: 14.093 ms
Loss rate: 0.07%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-03-27 04:07:24

End at: 2018-03-27 04:07:54

Local clock offset: -3.858 ms

Below is generated by plot.py at 2018-03-27 10:48:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.89 Mbit/s

95th percentile per-packet one-way delay: 3.834 ms

Loss rate: 0.07%

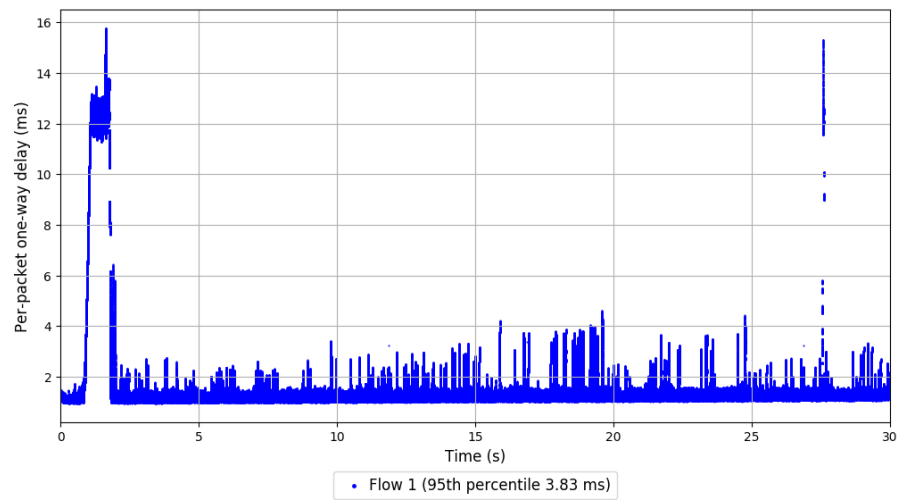
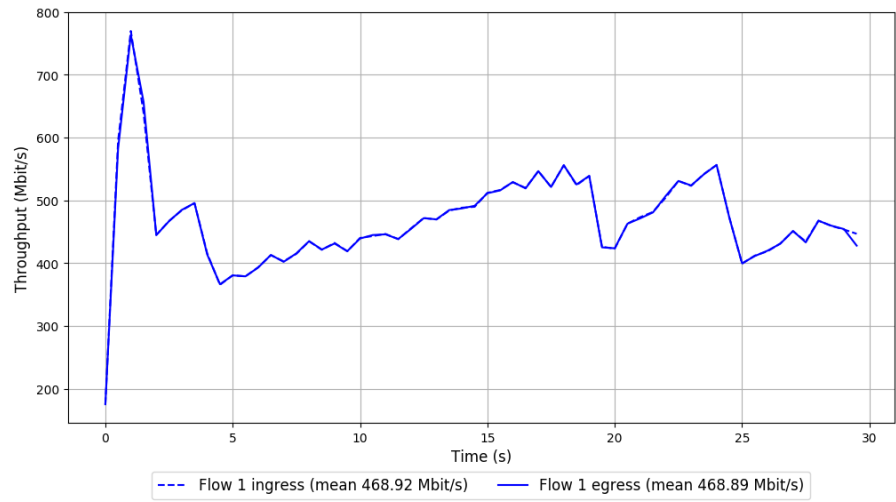
-- Flow 1:

Average throughput: 468.89 Mbit/s

95th percentile per-packet one-way delay: 3.834 ms

Loss rate: 0.07%

Run 8: Report of TCP Cubic — Data Link

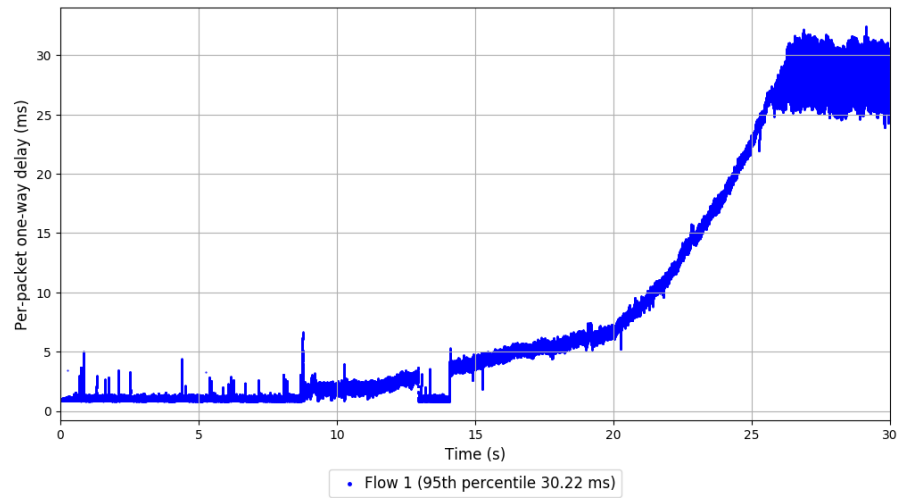
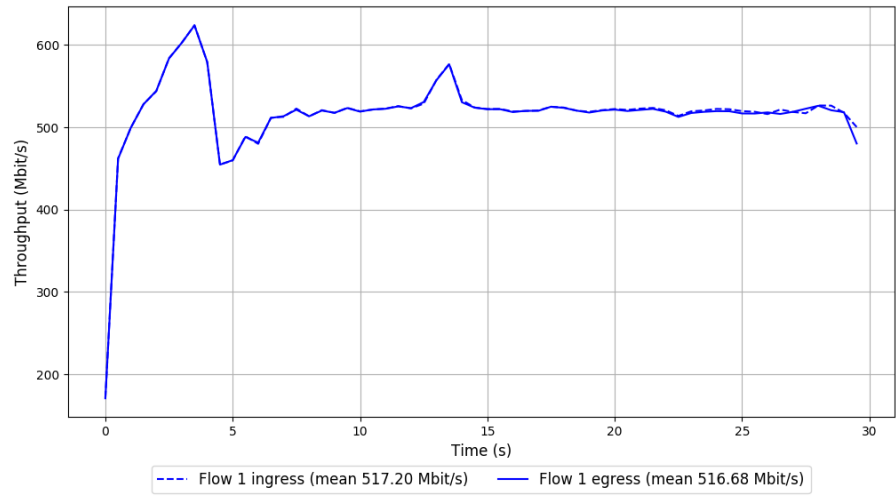


Run 9: Statistics of TCP Cubic

Start at: 2018-03-27 04:53:34
End at: 2018-03-27 04:54:04
Local clock offset: -2.002 ms
Remote clock offset: -6.617 ms

Below is generated by plot.py at 2018-03-27 10:49:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 516.68 Mbit/s
95th percentile per-packet one-way delay: 30.224 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 516.68 Mbit/s
95th percentile per-packet one-way delay: 30.224 ms
Loss rate: 0.17%

Run 9: Report of TCP Cubic — Data Link

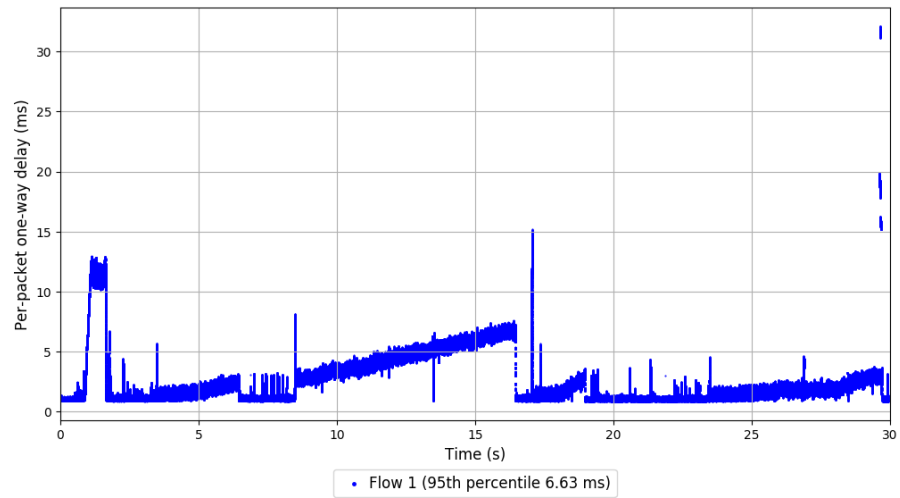
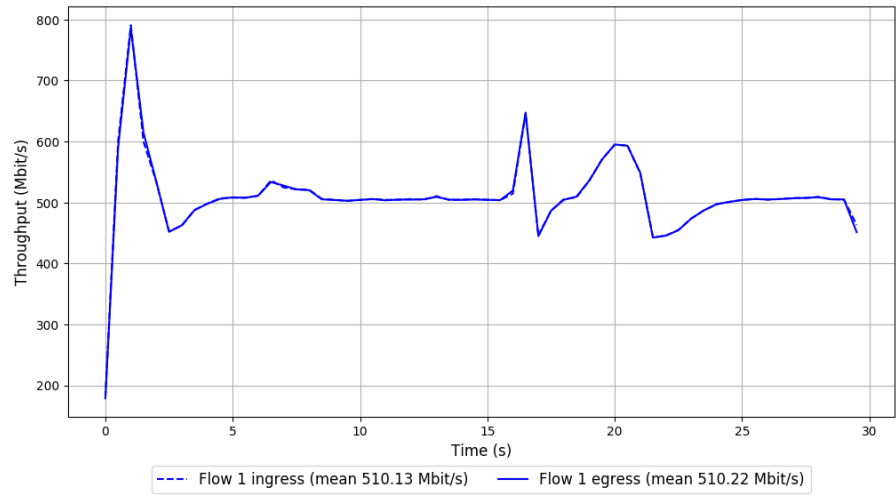


Run 10: Statistics of TCP Cubic

Start at: 2018-03-27 05:21:01
End at: 2018-03-27 05:21:31
Local clock offset: -1.204 ms
Remote clock offset: -6.204 ms

Below is generated by plot.py at 2018-03-27 10:49:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 510.22 Mbit/s
95th percentile per-packet one-way delay: 6.632 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 510.22 Mbit/s
95th percentile per-packet one-way delay: 6.632 ms
Loss rate: 0.05%

Run 10: Report of TCP Cubic — Data Link

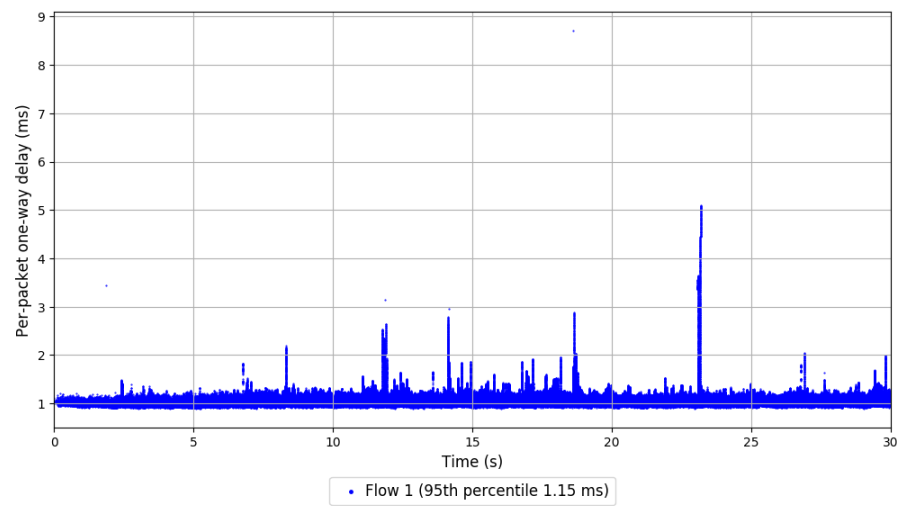
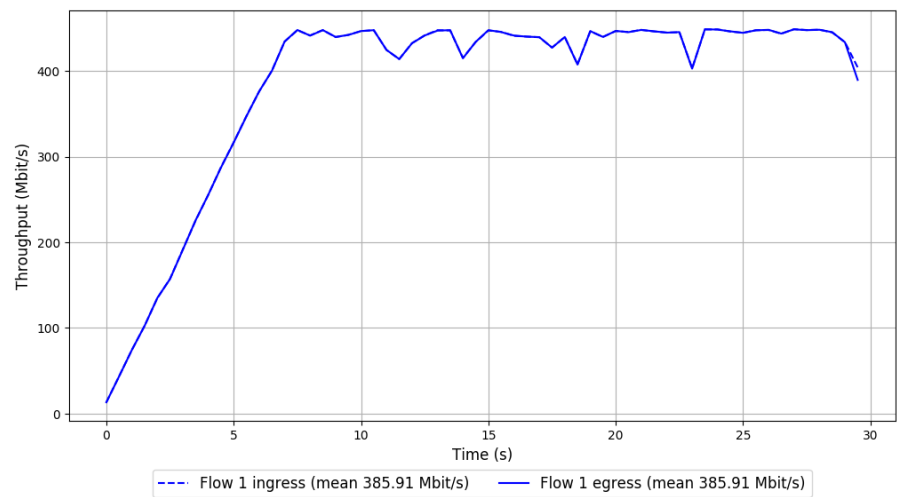


Run 1: Statistics of LEDBAT

Start at: 2018-03-27 00:49:05
End at: 2018-03-27 00:49:35
Local clock offset: 3.974 ms
Remote clock offset: -6.904 ms

Below is generated by plot.py at 2018-03-27 10:49:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 385.91 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 385.91 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.07%

Run 1: Report of LEDBAT — Data Link

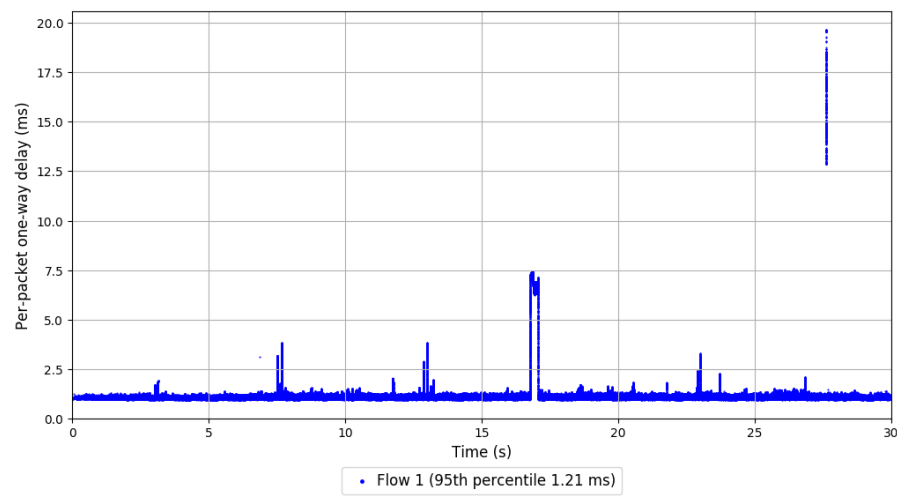
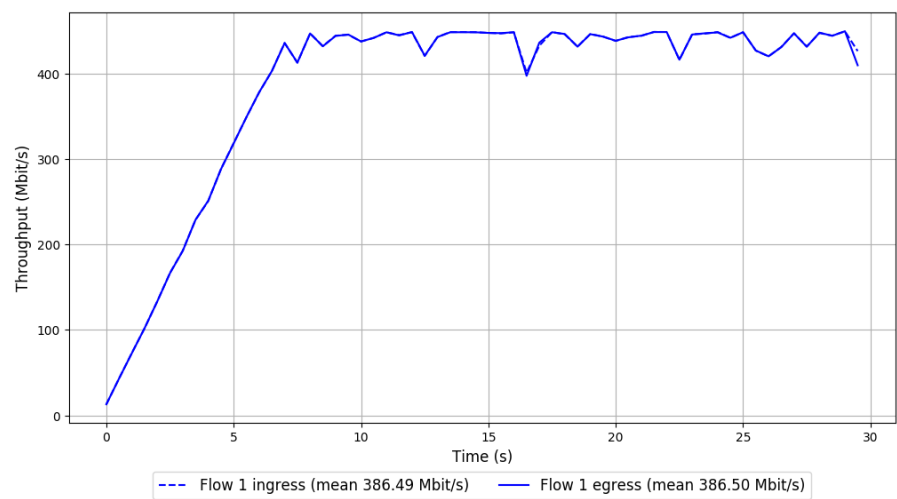


Run 2: Statistics of LEDBAT

Start at: 2018-03-27 01:16:34
End at: 2018-03-27 01:17:04
Local clock offset: 3.95 ms
Remote clock offset: -6.186 ms

Below is generated by plot.py at 2018-03-27 10:49:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 386.50 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 386.50 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.08%

Run 2: Report of LEDBAT — Data Link

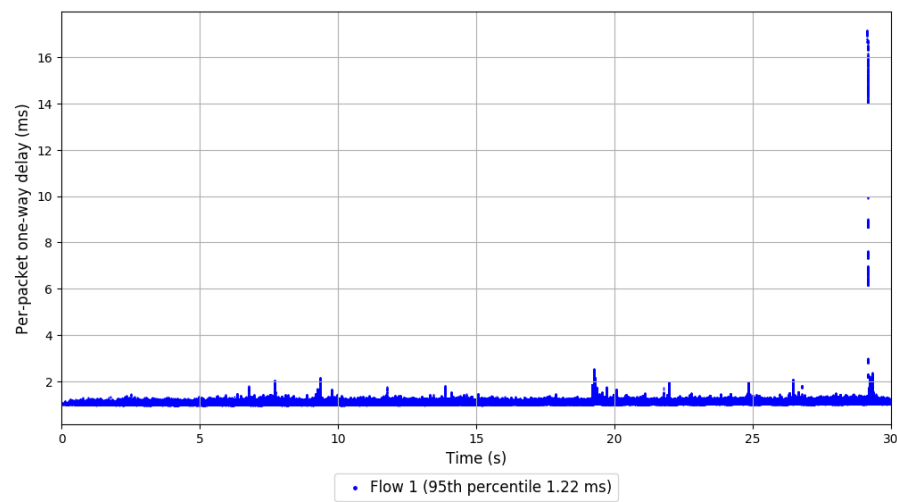
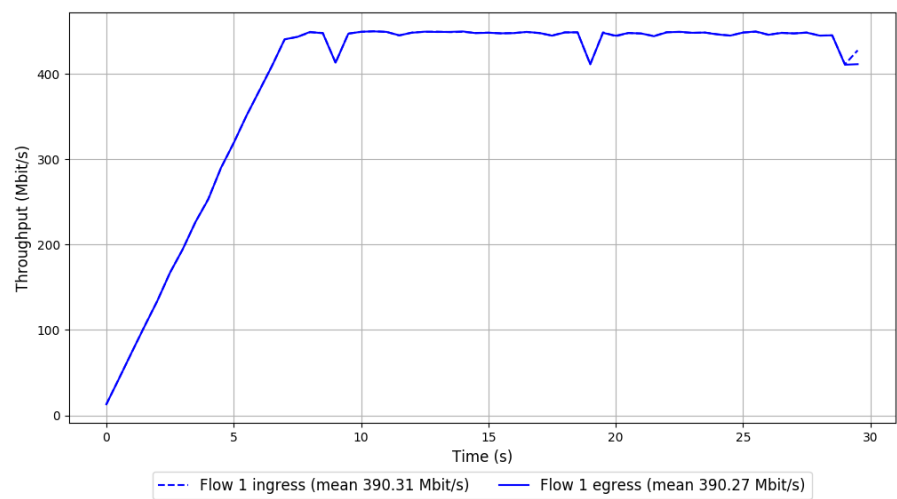


Run 3: Statistics of LEDBAT

Start at: 2018-03-27 01:44:07
End at: 2018-03-27 01:44:37
Local clock offset: -0.456 ms
Remote clock offset: -5.421 ms

Below is generated by plot.py at 2018-03-27 10:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 390.27 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 390.27 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

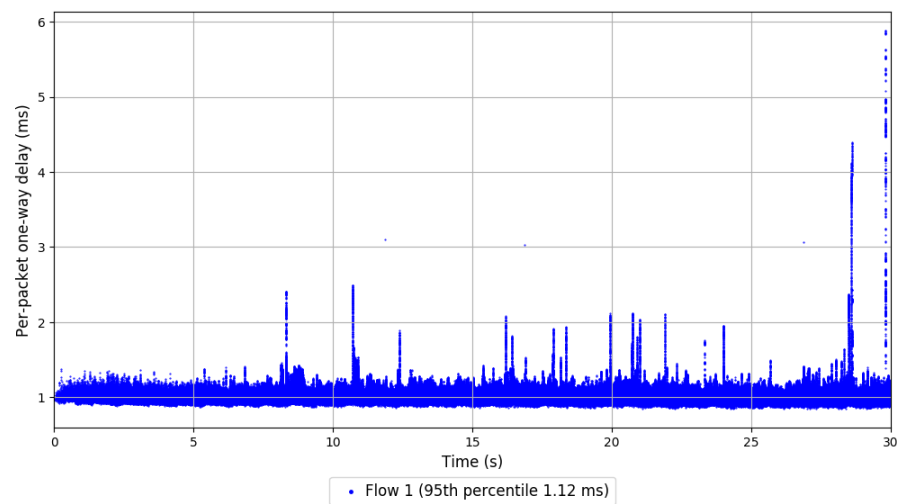
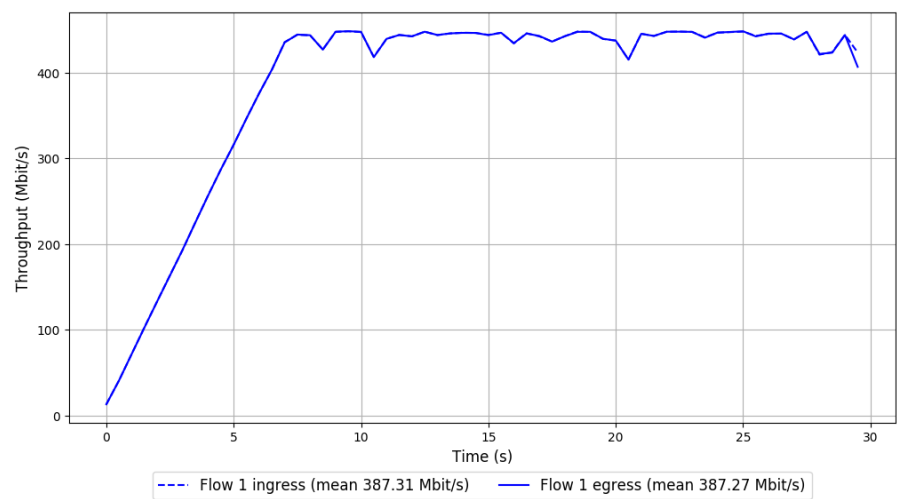


Run 4: Statistics of LEDBAT

Start at: 2018-03-27 02:11:45
End at: 2018-03-27 02:12:15
Local clock offset: -0.839 ms
Remote clock offset: -5.376 ms

Below is generated by plot.py at 2018-03-27 10:49:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.27 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 387.27 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.08%

Run 4: Report of LEDBAT — Data Link

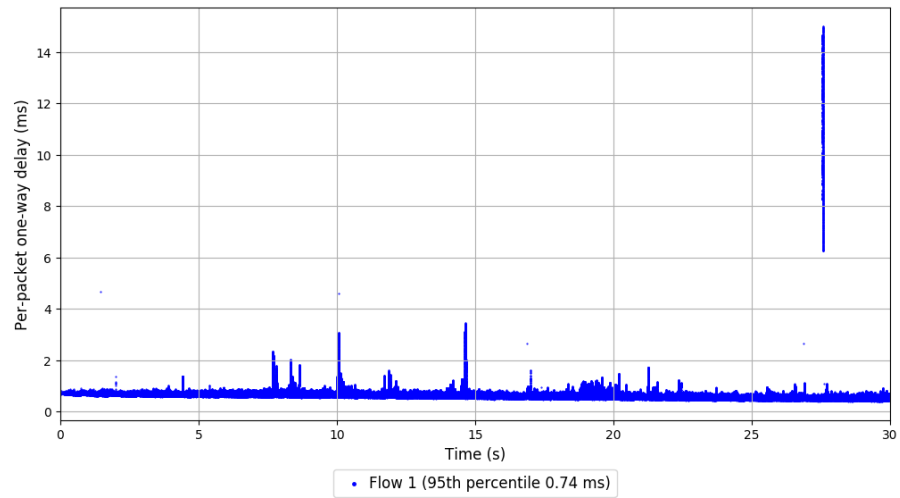
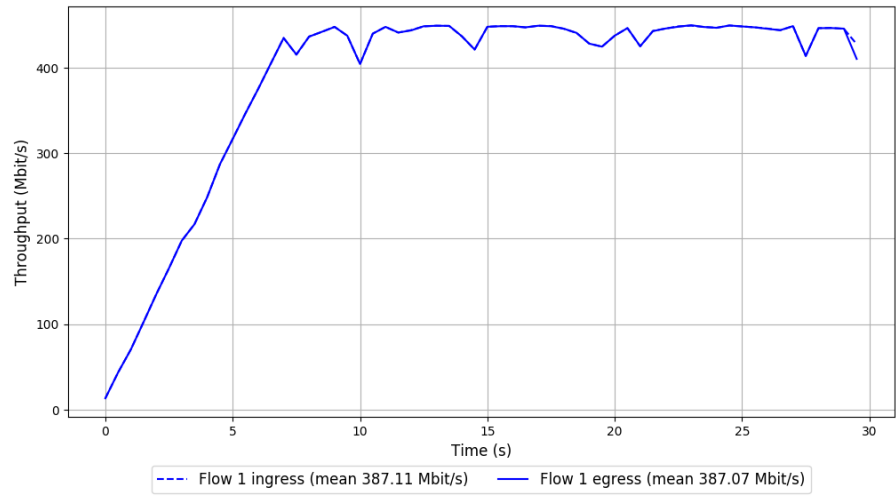


Run 5: Statistics of LEDBAT

Start at: 2018-03-27 02:39:24
End at: 2018-03-27 02:39:54
Local clock offset: 7.122 ms
Remote clock offset: -6.347 ms

Below is generated by plot.py at 2018-03-27 10:53:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.07 Mbit/s
95th percentile per-packet one-way delay: 0.736 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 387.07 Mbit/s
95th percentile per-packet one-way delay: 0.736 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

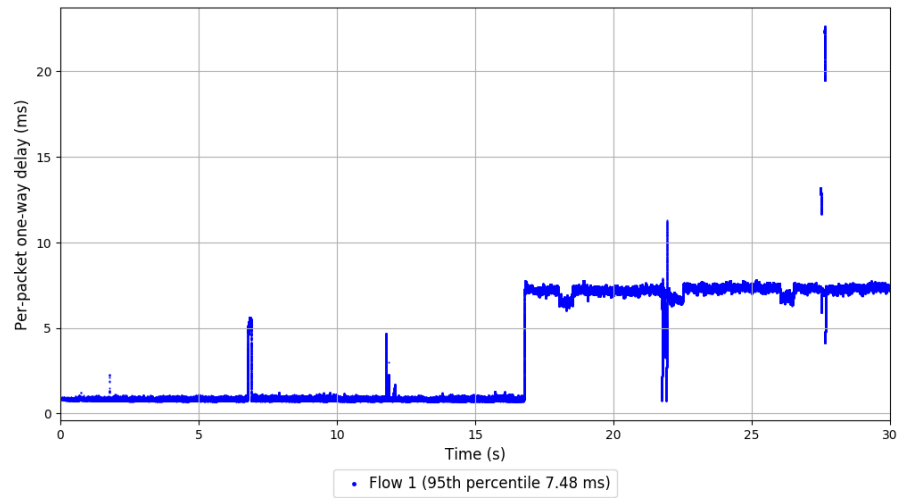
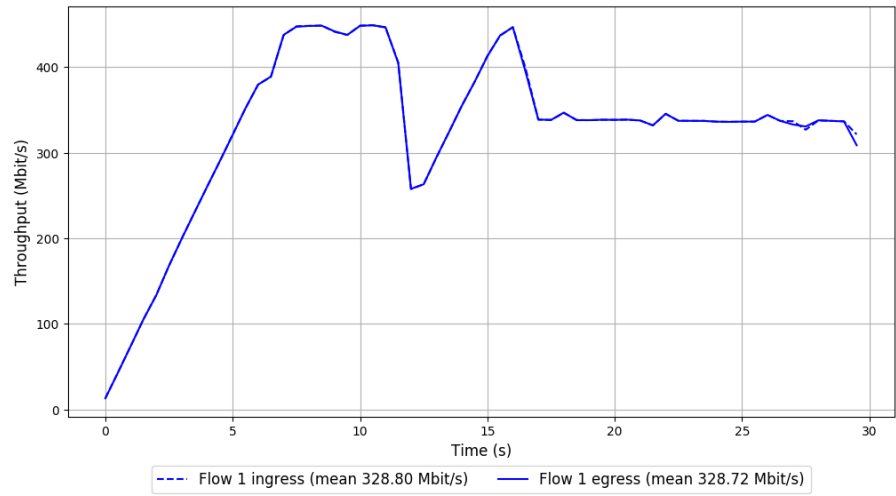


Run 6: Statistics of LEDBAT

Start at: 2018-03-27 03:06:53
End at: 2018-03-27 03:07:23
Local clock offset: 12.954 ms
Remote clock offset: -4.789 ms

Below is generated by plot.py at 2018-03-27 10:53:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 328.72 Mbit/s
95th percentile per-packet one-way delay: 7.479 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 328.72 Mbit/s
95th percentile per-packet one-way delay: 7.479 ms
Loss rate: 0.09%

Run 6: Report of LEDBAT — Data Link

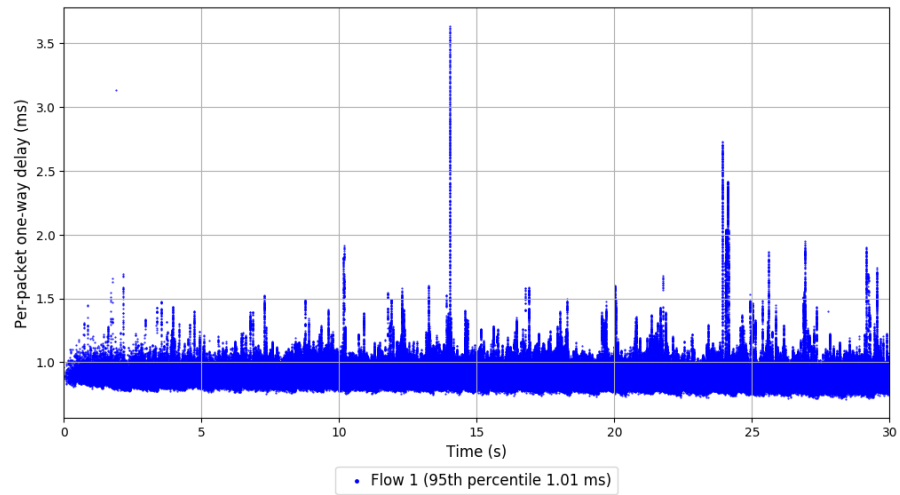
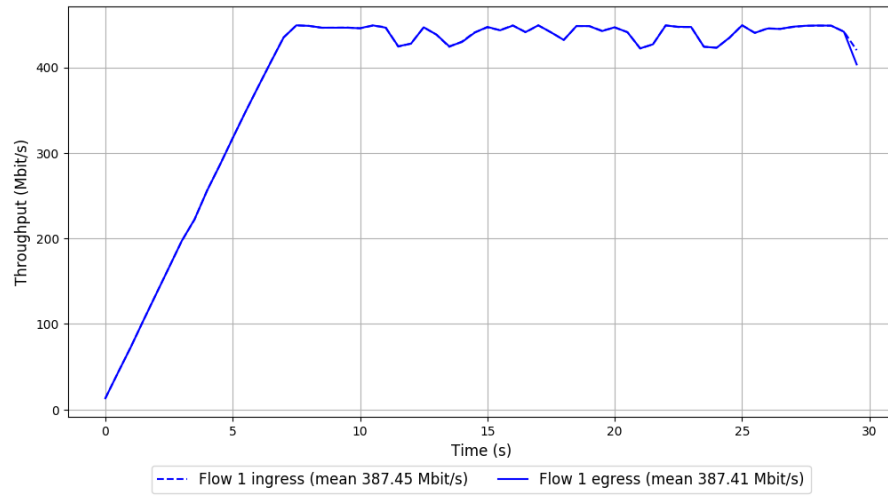


Run 7: Statistics of LEDBAT

Start at: 2018-03-27 03:34:31
End at: 2018-03-27 03:35:01
Local clock offset: 16.2 ms
Remote clock offset: -5.091 ms

Below is generated by plot.py at 2018-03-27 10:53:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.41 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 387.41 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.07%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-03-27 04:19:06

End at: 2018-03-27 04:19:36

Local clock offset: -3.691 ms

Below is generated by plot.py at 2018-03-27 10:53:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.55 Mbit/s

95th percentile per-packet one-way delay: -0.063 ms

Loss rate: 0.08%

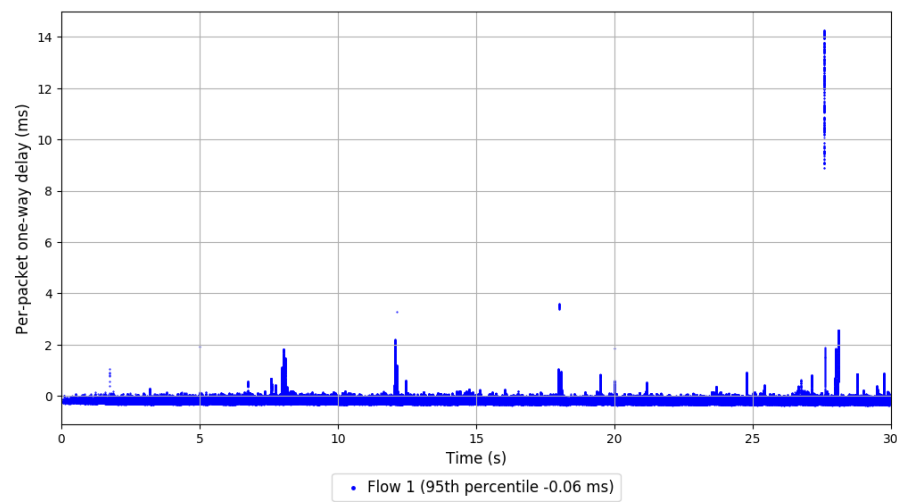
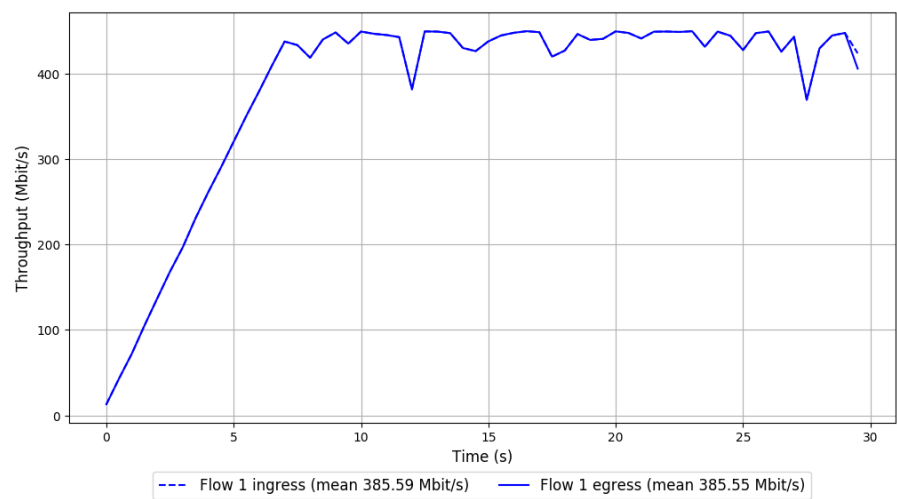
-- Flow 1:

Average throughput: 385.55 Mbit/s

95th percentile per-packet one-way delay: -0.063 ms

Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link

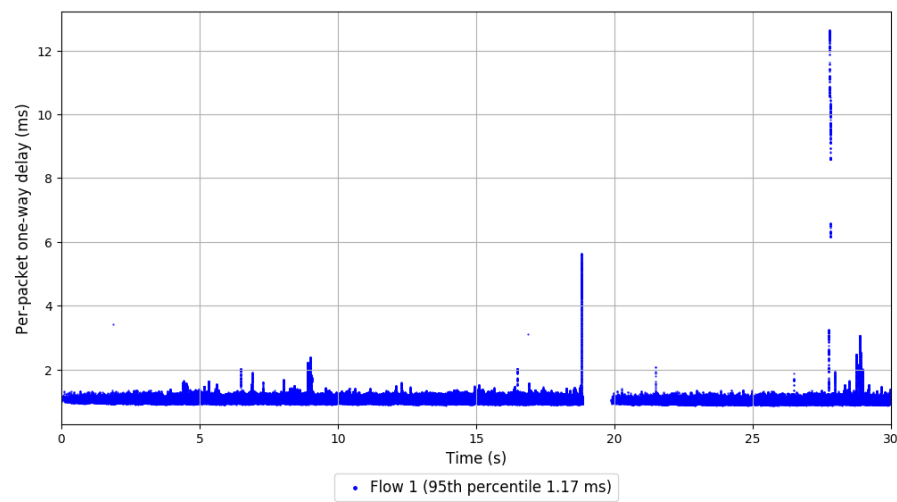
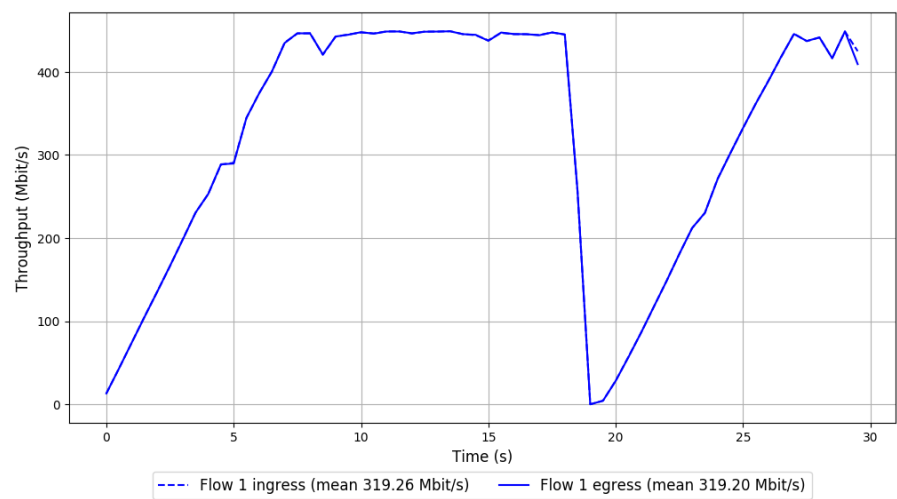


Run 9: Statistics of LEDBAT

Start at: 2018-03-27 04:58:05
End at: 2018-03-27 04:58:35
Local clock offset: -1.411 ms
Remote clock offset: -6.663 ms

Below is generated by plot.py at 2018-03-27 10:53:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 319.20 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 319.20 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.09%

Run 9: Report of LEDBAT — Data Link

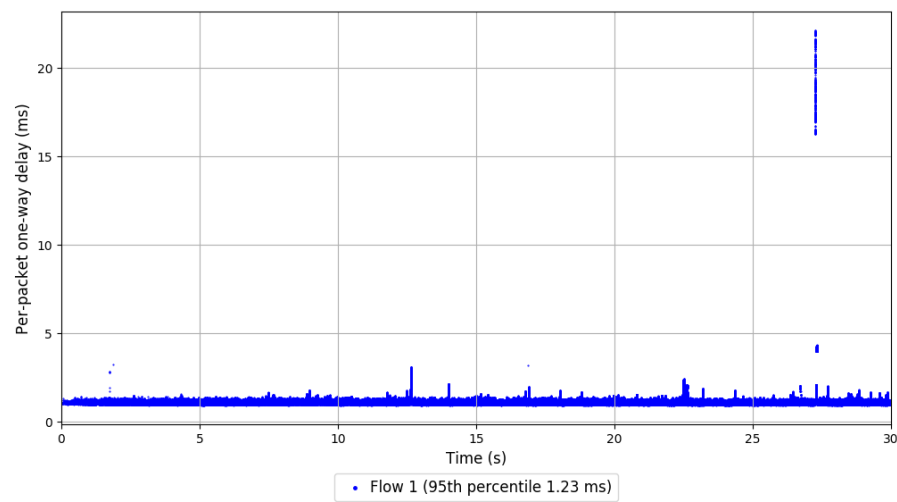
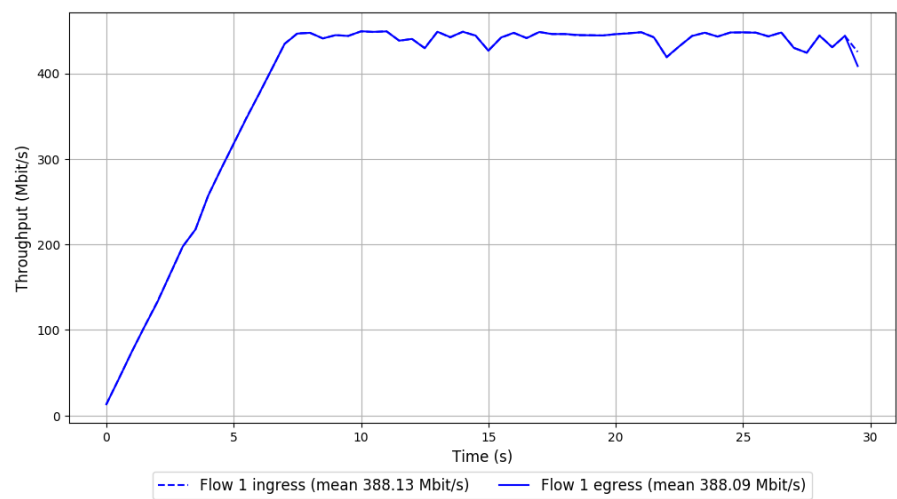


Run 10: Statistics of LEDBAT

Start at: 2018-03-27 05:25:30
End at: 2018-03-27 05:26:00
Local clock offset: -0.845 ms
Remote clock offset: -6.233 ms

Below is generated by plot.py at 2018-03-27 10:54:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 388.09 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 388.09 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

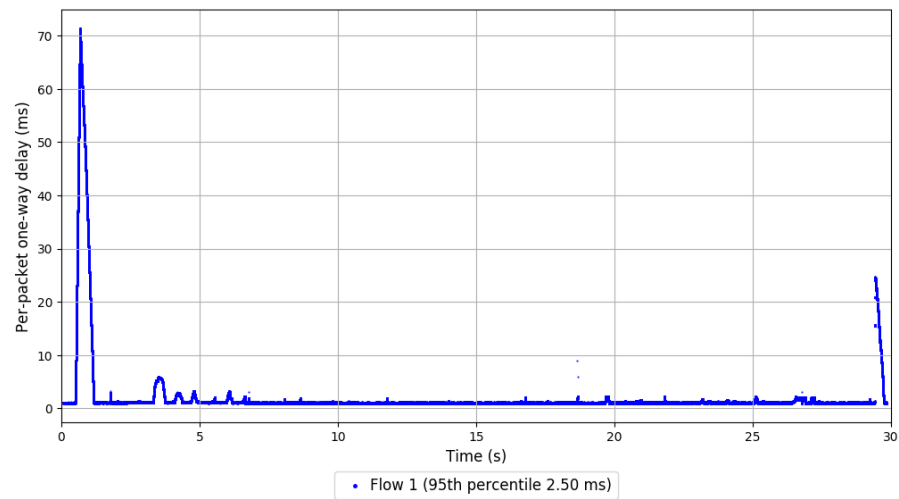
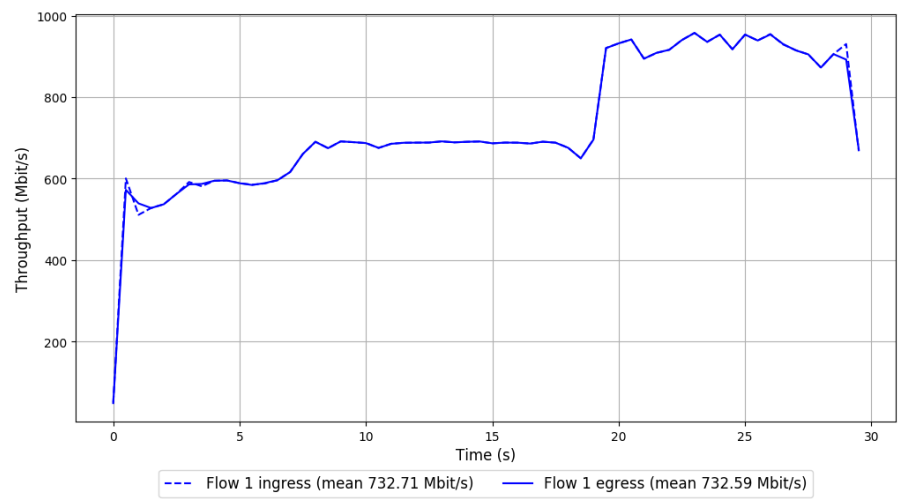


Run 1: Statistics of PCC

Start at: 2018-03-27 00:41:29
End at: 2018-03-27 00:41:59
Local clock offset: 4.052 ms
Remote clock offset: -6.662 ms

Below is generated by plot.py at 2018-03-27 10:59:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 732.59 Mbit/s
95th percentile per-packet one-way delay: 2.497 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 732.59 Mbit/s
95th percentile per-packet one-way delay: 2.497 ms
Loss rate: 0.08%

Run 1: Report of PCC — Data Link

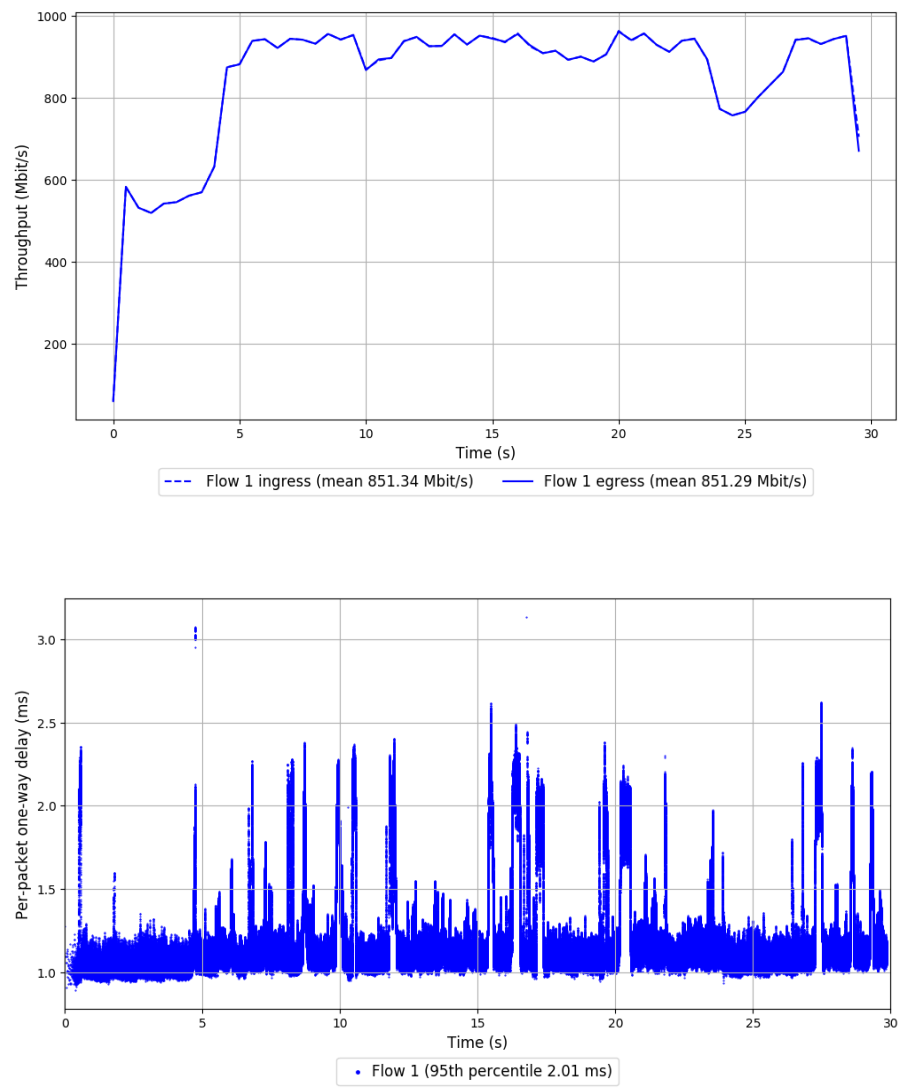


Run 2: Statistics of PCC

Start at: 2018-03-27 01:08:57
End at: 2018-03-27 01:09:27
Local clock offset: 3.75 ms
Remote clock offset: -6.486 ms

Below is generated by plot.py at 2018-03-27 11:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 851.29 Mbit/s
95th percentile per-packet one-way delay: 2.007 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 851.29 Mbit/s
95th percentile per-packet one-way delay: 2.007 ms
Loss rate: 0.07%

Run 2: Report of PCC — Data Link

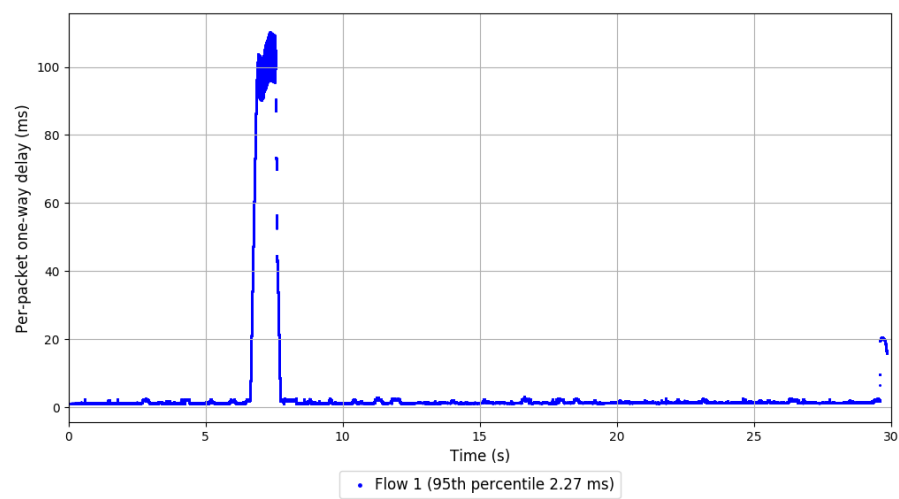
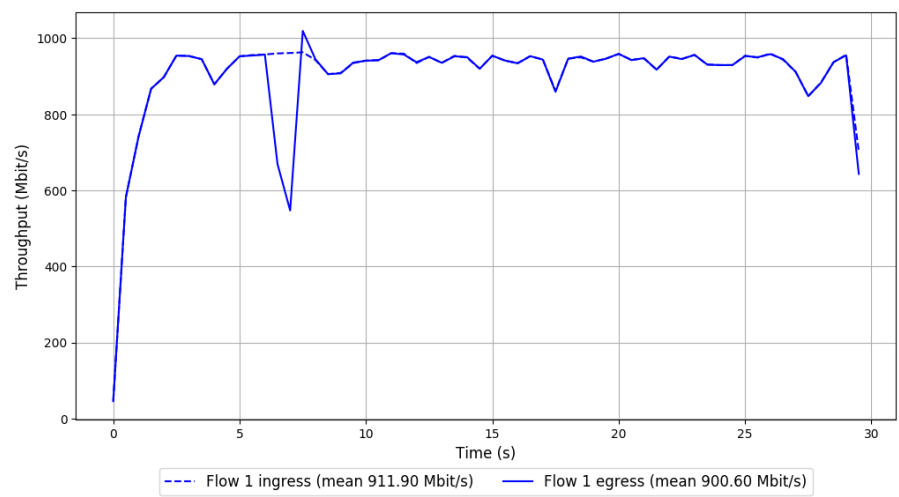


Run 3: Statistics of PCC

Start at: 2018-03-27 01:36:29
End at: 2018-03-27 01:36:59
Local clock offset: 0.324 ms
Remote clock offset: -5.706 ms

Below is generated by plot.py at 2018-03-27 11:05:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 900.60 Mbit/s
95th percentile per-packet one-way delay: 2.274 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 900.60 Mbit/s
95th percentile per-packet one-way delay: 2.274 ms
Loss rate: 1.31%

Run 3: Report of PCC — Data Link

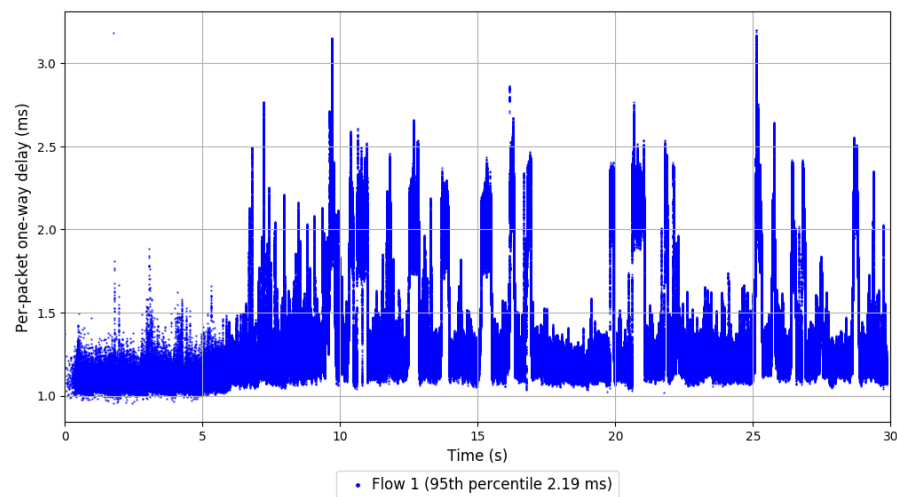
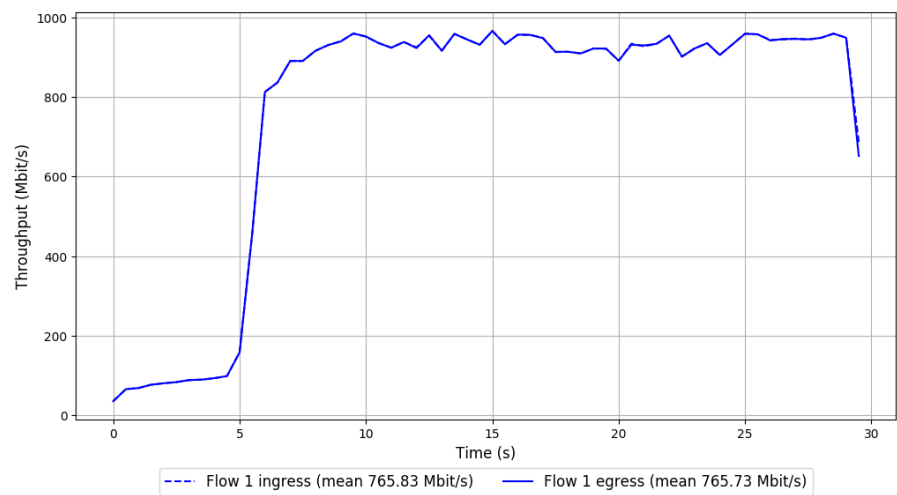


Run 4: Statistics of PCC

Start at: 2018-03-27 02:04:05
End at: 2018-03-27 02:04:36
Local clock offset: -0.657 ms
Remote clock offset: -5.035 ms

Below is generated by plot.py at 2018-03-27 11:05:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 765.73 Mbit/s
95th percentile per-packet one-way delay: 2.187 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 765.73 Mbit/s
95th percentile per-packet one-way delay: 2.187 ms
Loss rate: 0.08%

Run 4: Report of PCC — Data Link

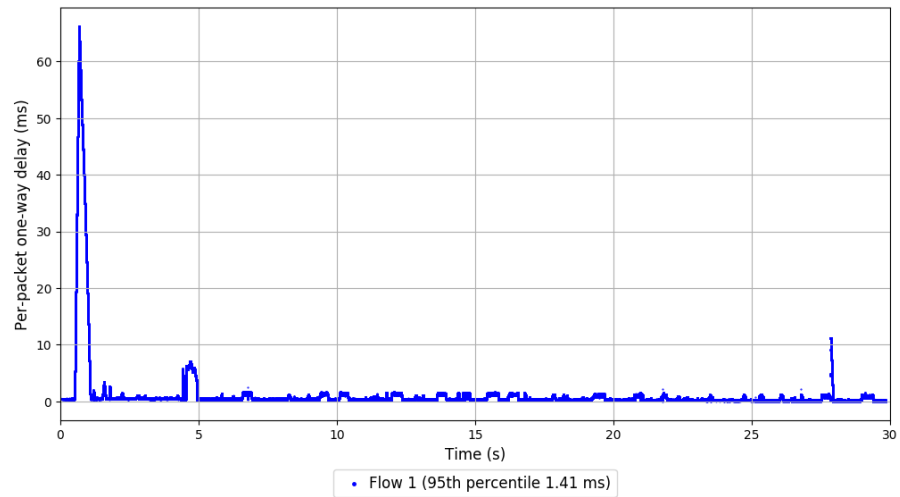
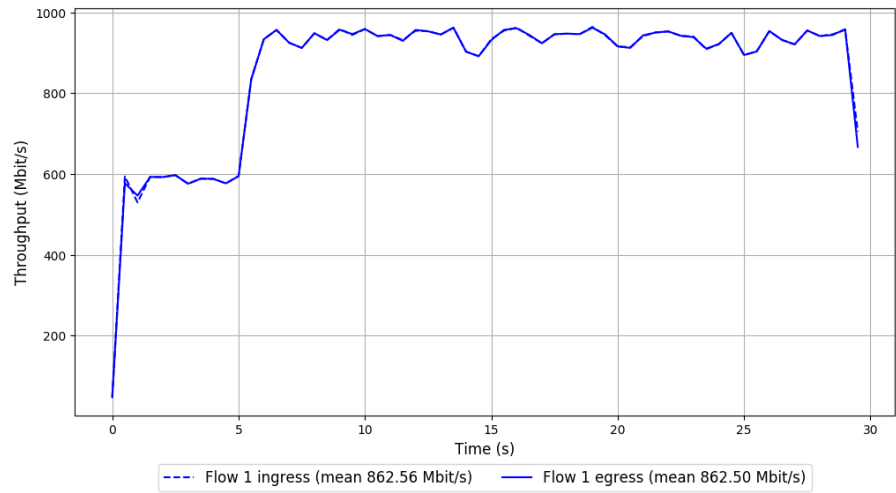


Run 5: Statistics of PCC

Start at: 2018-03-27 02:31:51
End at: 2018-03-27 02:32:21
Local clock offset: 2.168 ms
Remote clock offset: -6.213 ms

Below is generated by plot.py at 2018-03-27 11:06:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 862.50 Mbit/s
95th percentile per-packet one-way delay: 1.412 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 862.50 Mbit/s
95th percentile per-packet one-way delay: 1.412 ms
Loss rate: 0.07%

Run 5: Report of PCC — Data Link

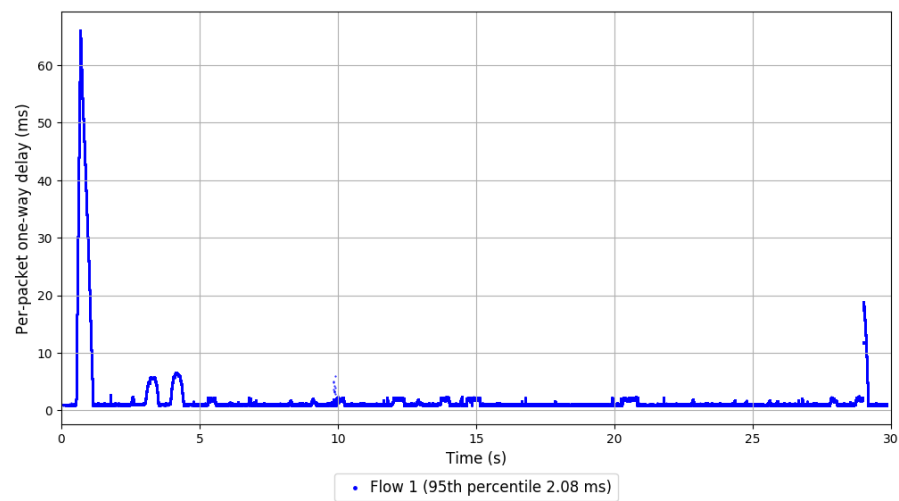
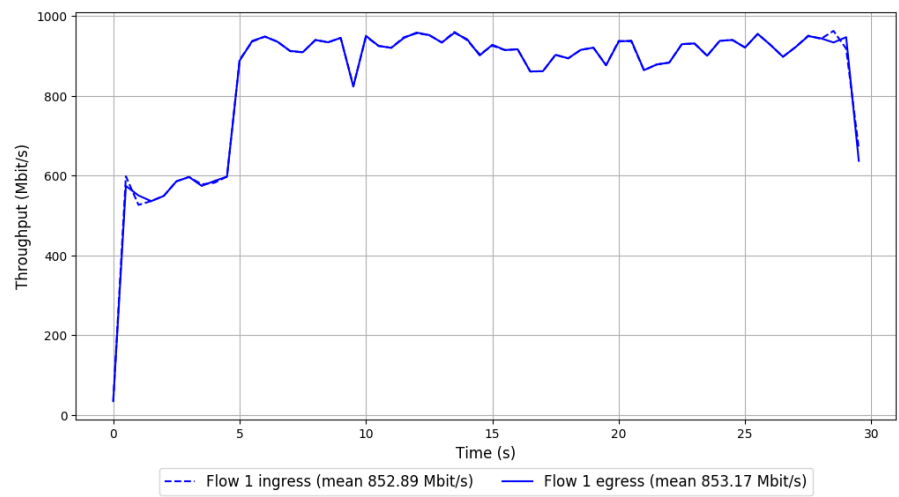


Run 6: Statistics of PCC

Start at: 2018-03-27 02:59:15
End at: 2018-03-27 02:59:45
Local clock offset: 11.929 ms
Remote clock offset: -5.143 ms

Below is generated by plot.py at 2018-03-27 11:06:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 853.17 Mbit/s
95th percentile per-packet one-way delay: 2.080 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 853.17 Mbit/s
95th percentile per-packet one-way delay: 2.080 ms
Loss rate: 0.06%

Run 6: Report of PCC — Data Link

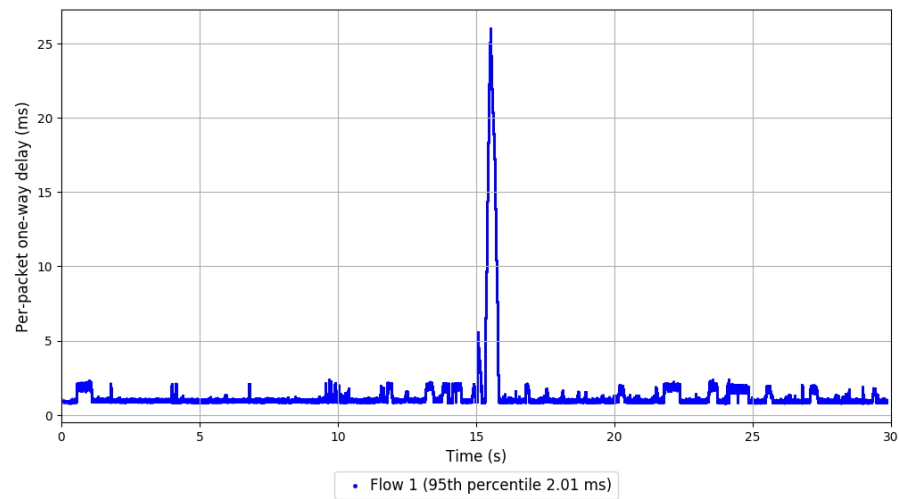
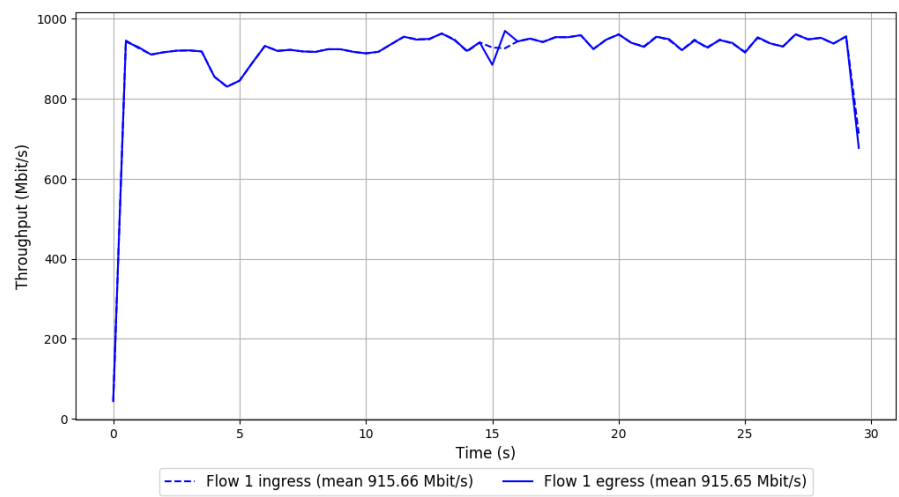


Run 7: Statistics of PCC

Start at: 2018-03-27 03:26:51
End at: 2018-03-27 03:27:21
Local clock offset: 15.272 ms
Remote clock offset: -5.098 ms

Below is generated by plot.py at 2018-03-27 11:07:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 915.65 Mbit/s
95th percentile per-packet one-way delay: 2.008 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 915.65 Mbit/s
95th percentile per-packet one-way delay: 2.008 ms
Loss rate: 0.07%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-03-27 03:59:26

End at: 2018-03-27 03:59:56

Local clock offset: -1.509 ms

Below is generated by plot.py at 2018-03-27 11:07:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 866.14 Mbit/s

95th percentile per-packet one-way delay: 0.126 ms

Loss rate: 0.07%

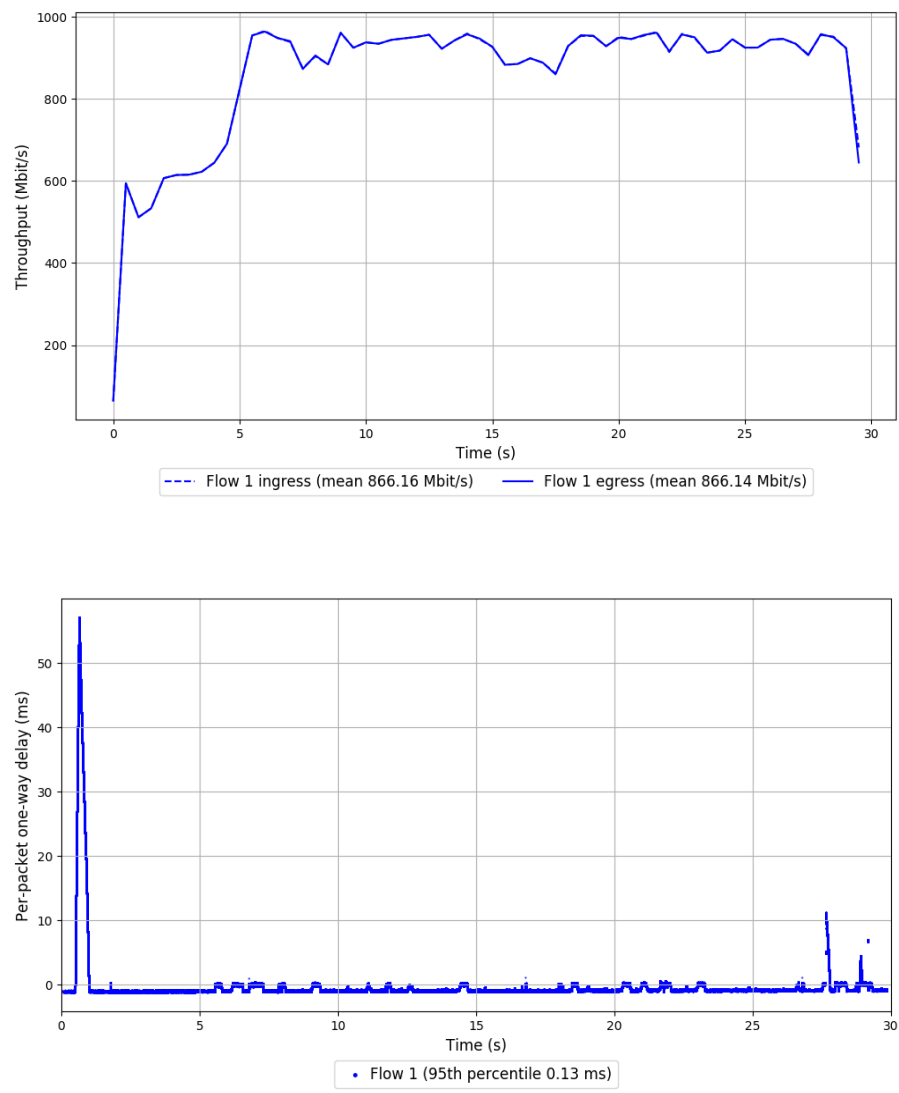
-- Flow 1:

Average throughput: 866.14 Mbit/s

95th percentile per-packet one-way delay: 0.126 ms

Loss rate: 0.07%

Run 8: Report of PCC — Data Link

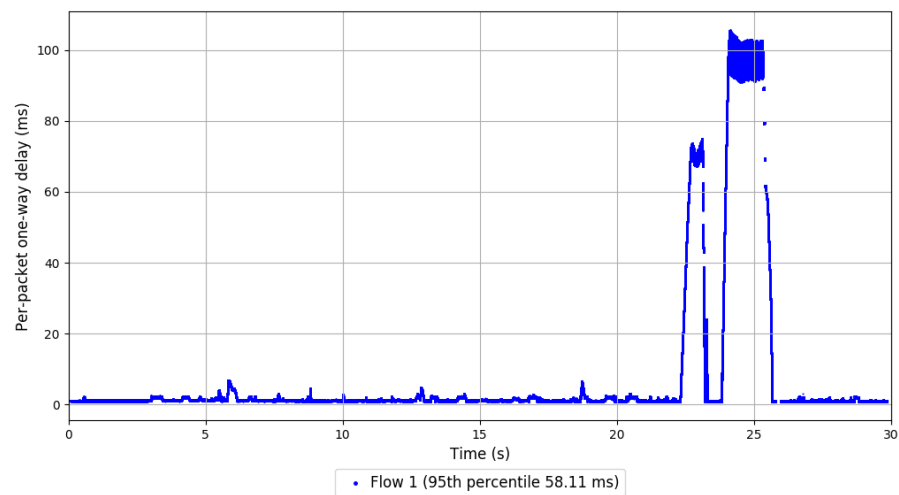
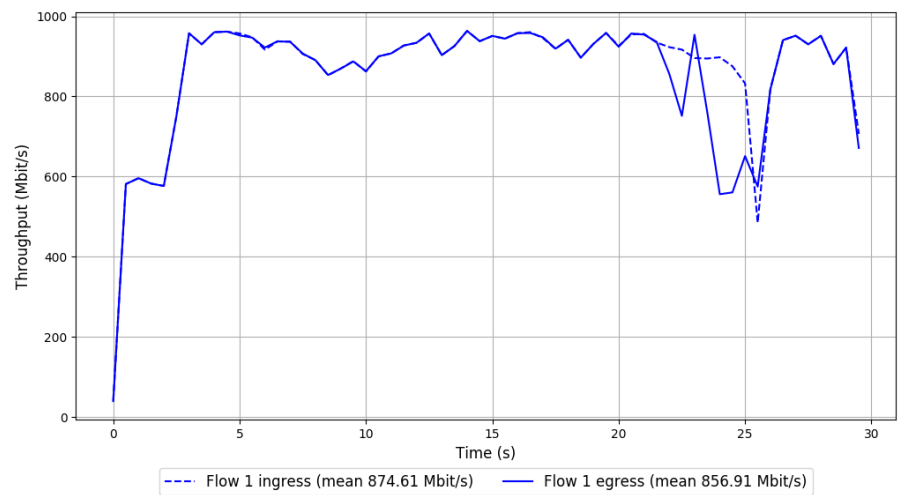


Run 9: Statistics of PCC

Start at: 2018-03-27 04:50:35
End at: 2018-03-27 04:51:05
Local clock offset: -2.63 ms
Remote clock offset: -6.544 ms

Below is generated by plot.py at 2018-03-27 11:12:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 856.91 Mbit/s
95th percentile per-packet one-way delay: 58.107 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 856.91 Mbit/s
95th percentile per-packet one-way delay: 58.107 ms
Loss rate: 2.09%

Run 9: Report of PCC — Data Link

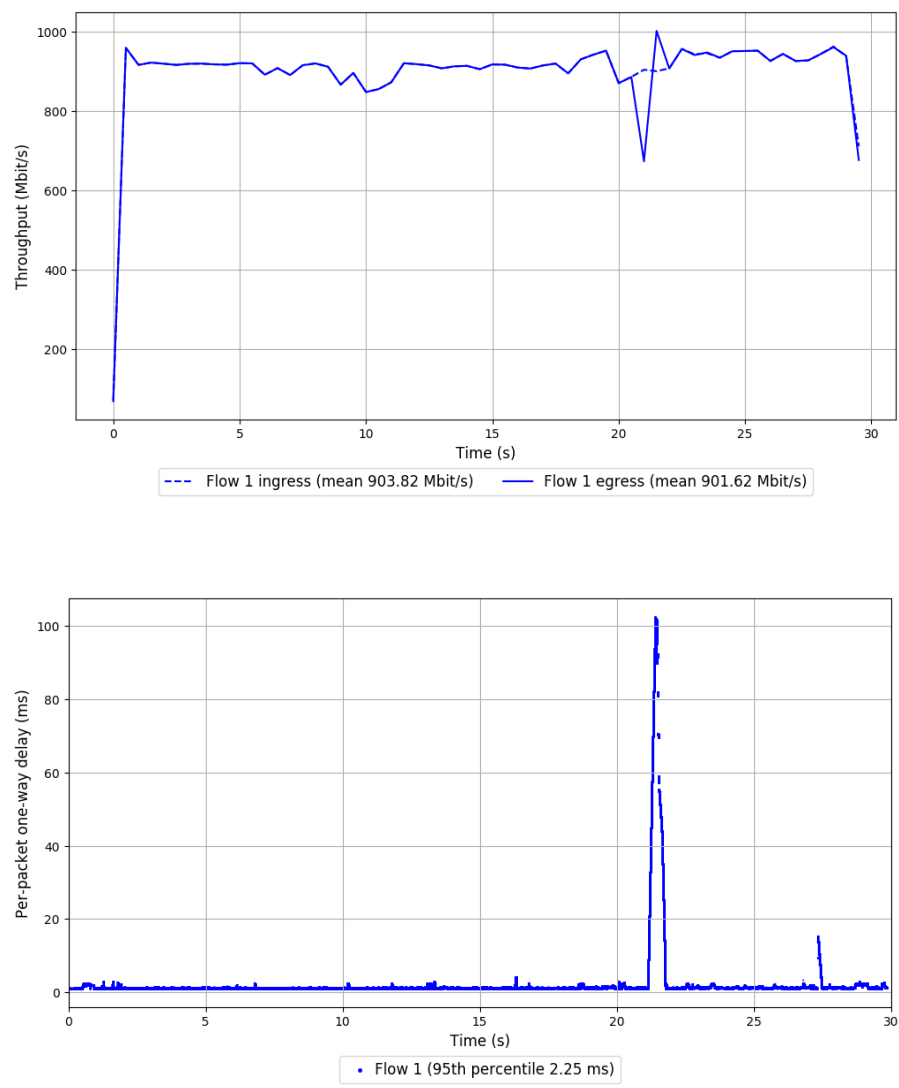


Run 10: Statistics of PCC

Start at: 2018-03-27 05:17:53
End at: 2018-03-27 05:18:23
Local clock offset: -1.367 ms
Remote clock offset: -6.283 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 901.62 Mbit/s
95th percentile per-packet one-way delay: 2.247 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 901.62 Mbit/s
95th percentile per-packet one-way delay: 2.247 ms
Loss rate: 0.31%

Run 10: Report of PCC — Data Link

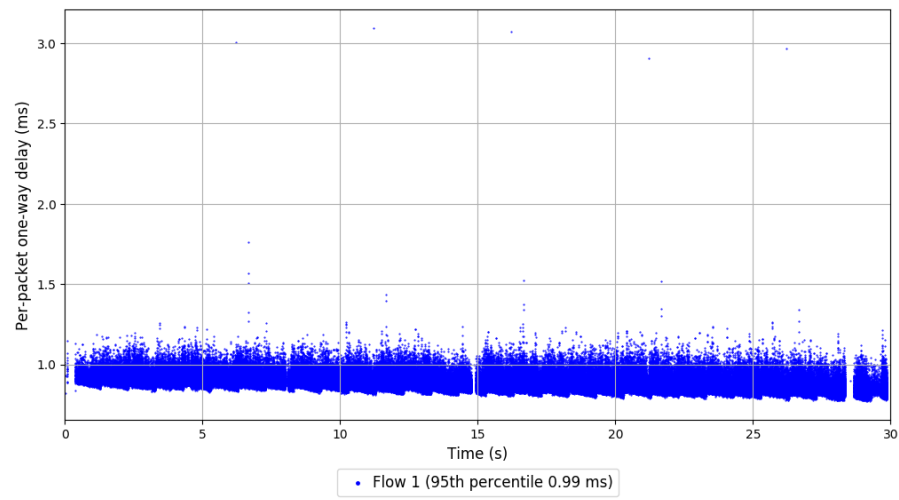
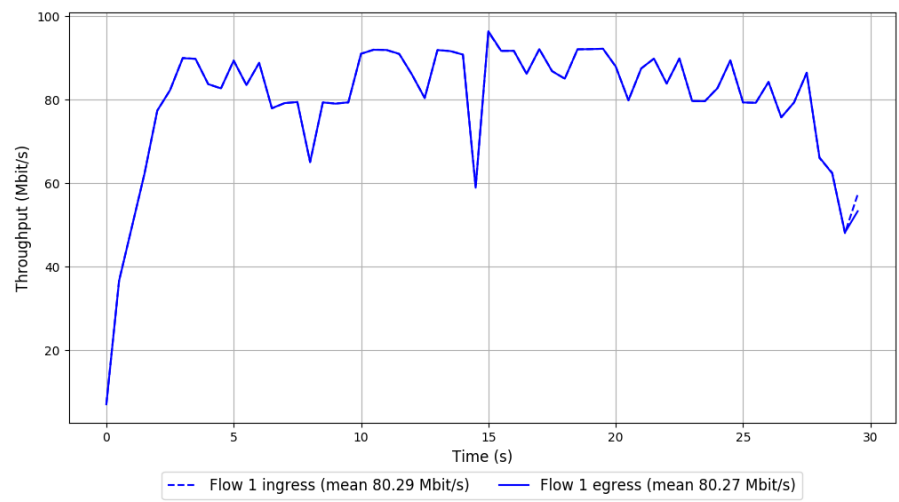


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-27 00:35:21
End at: 2018-03-27 00:35:51
Local clock offset: 3.559 ms
Remote clock offset: -6.322 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.27 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 80.27 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.08%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-27 01:02:58

End at: 2018-03-27 01:03:28

Local clock offset: 3.79 ms

Remote clock offset: -6.887 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.42 Mbit/s

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

Loss rate: 0.08%

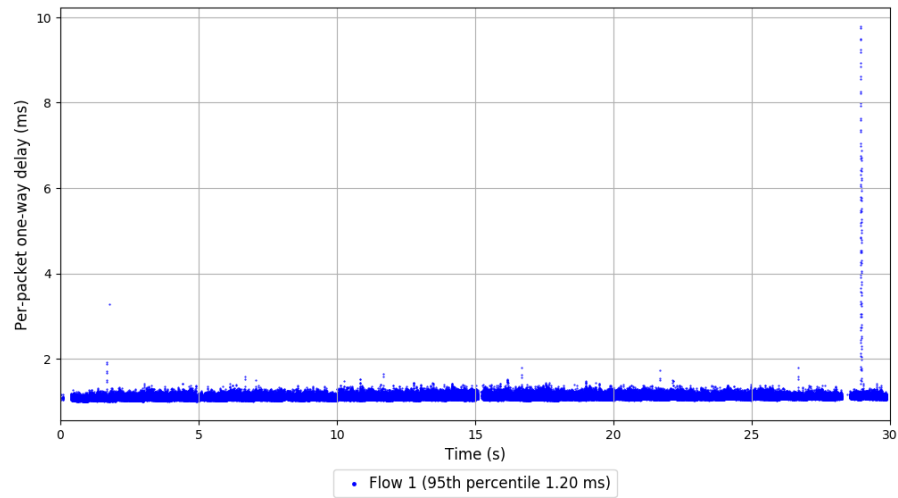
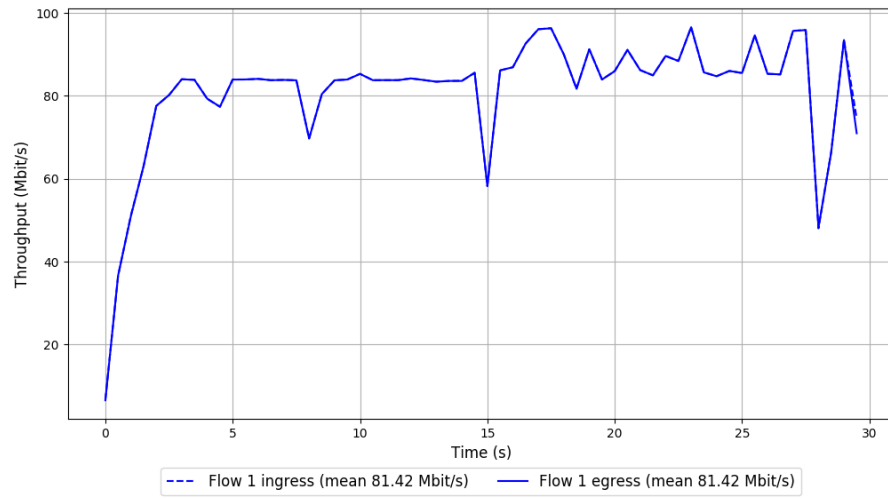
-- Flow 1:

Average throughput: 81.42 Mbit/s

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

Loss rate: 0.08%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-03-27 01:30:23

End at: 2018-03-27 01:30:53

Local clock offset: 1.162 ms

Remote clock offset: -6.011 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.17 Mbit/s

95th percentile per-packet one-way delay: 1.294 ms

Loss rate: 0.07%

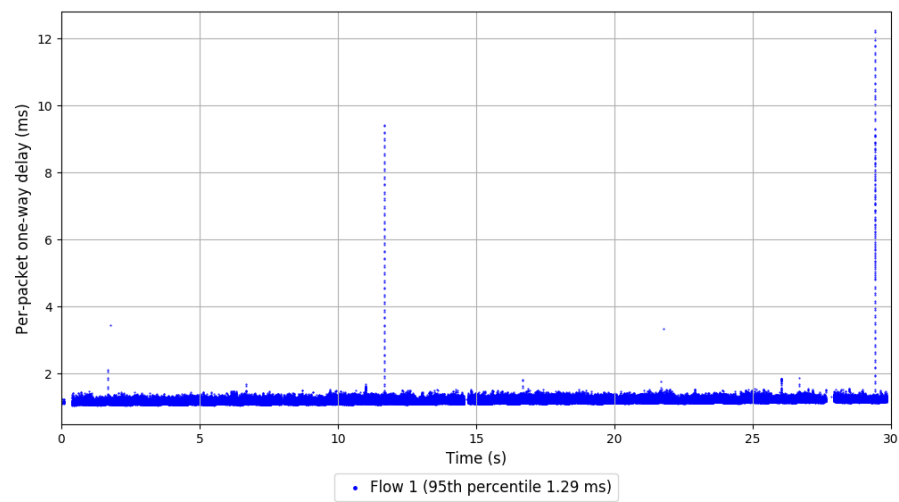
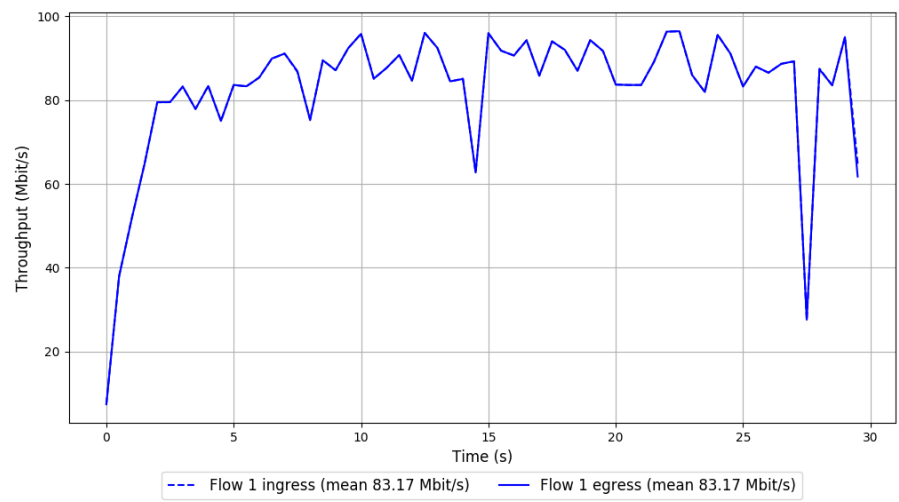
-- Flow 1:

Average throughput: 83.17 Mbit/s

95th percentile per-packet one-way delay: 1.294 ms

Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-03-27 01:58:04

End at: 2018-03-27 01:58:34

Local clock offset: -0.811 ms

Remote clock offset: -5.059 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.07%

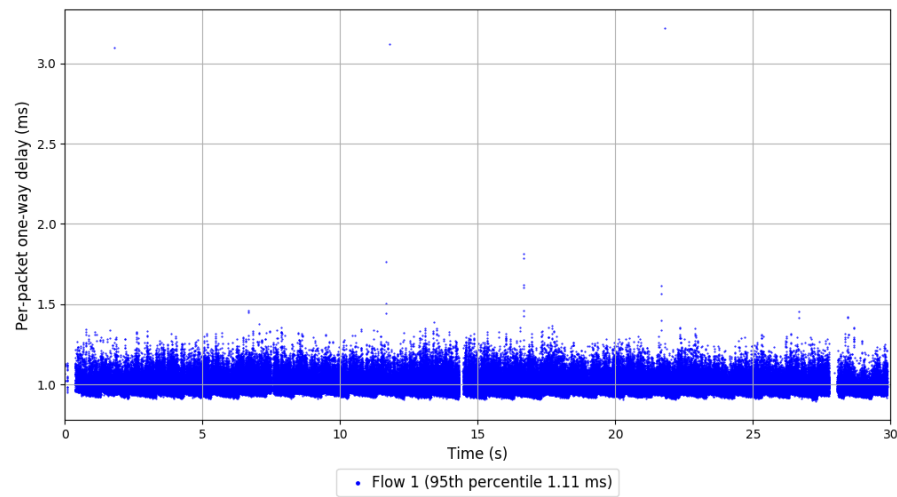
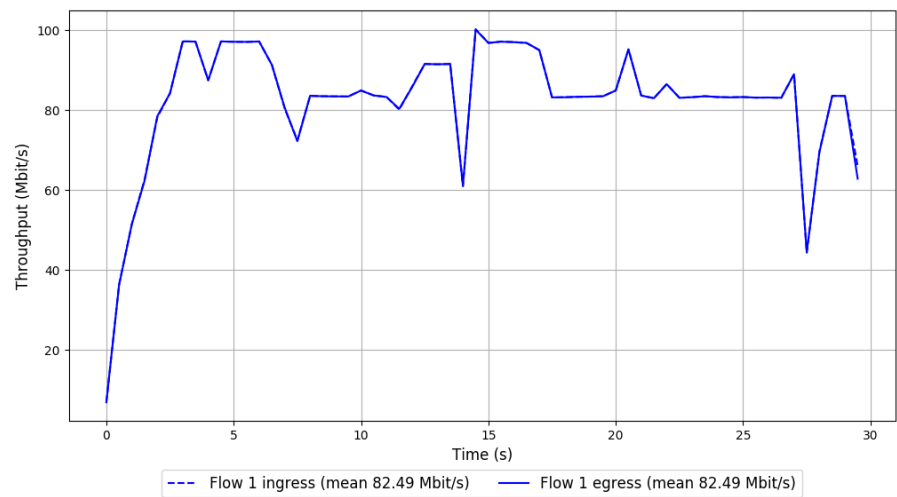
-- Flow 1:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.07%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-03-27 02:25:43

End at: 2018-03-27 02:26:13

Local clock offset: -1.106 ms

Remote clock offset: -6.188 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 1.270 ms

Loss rate: 0.07%

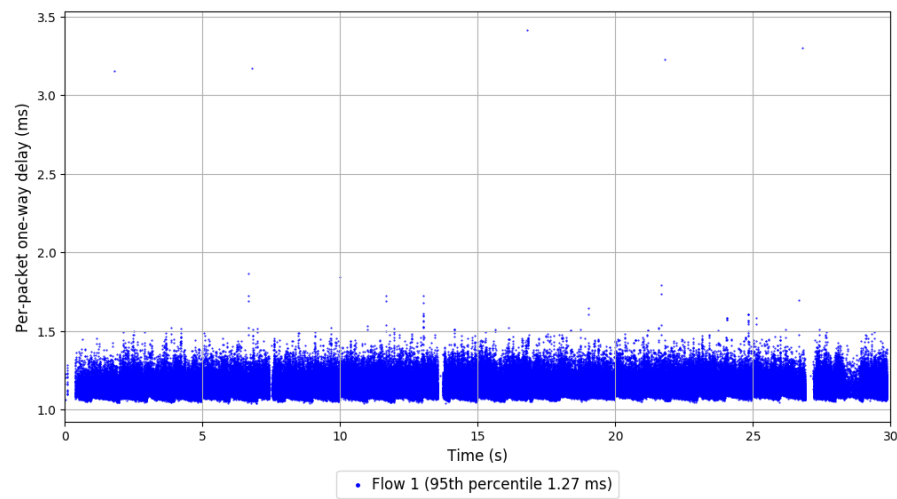
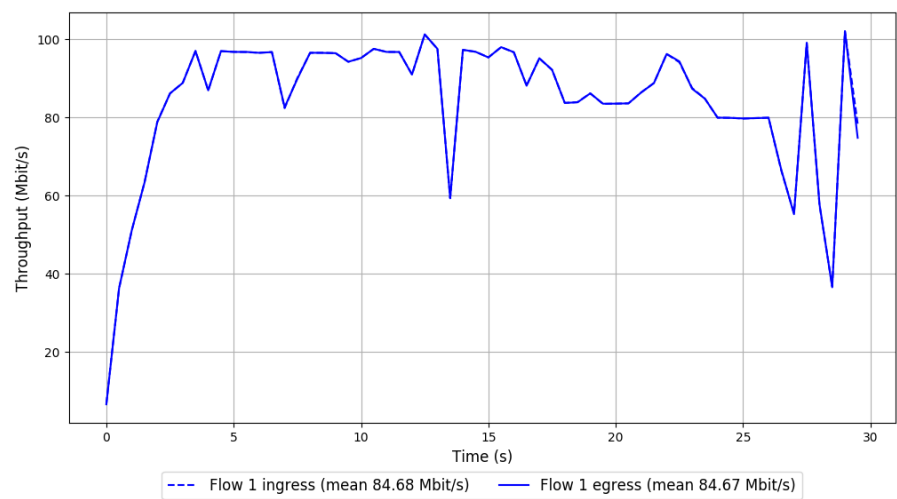
-- Flow 1:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 1.270 ms

Loss rate: 0.07%

Run 5: Report of QUIC Cubic — Data Link

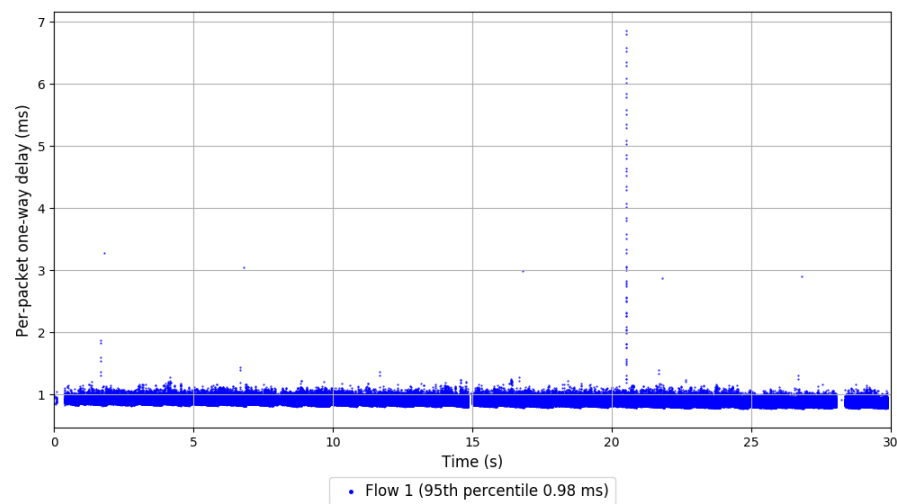
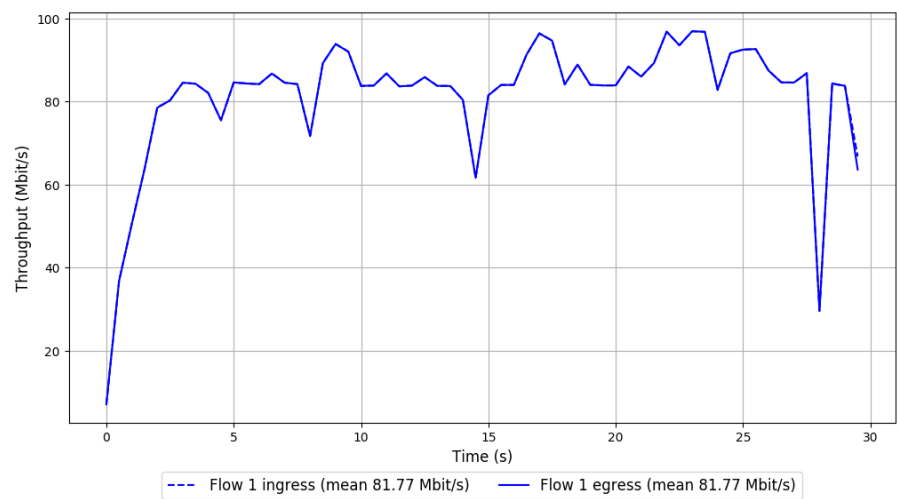


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-27 02:53:21
End at: 2018-03-27 02:53:51
Local clock offset: 11.045 ms
Remote clock offset: -5.373 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.77 Mbit/s
95th percentile per-packet one-way delay: 0.976 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 81.77 Mbit/s
95th percentile per-packet one-way delay: 0.976 ms
Loss rate: 0.07%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-03-27 03:20:48

End at: 2018-03-27 03:21:18

Local clock offset: 14.677 ms

Remote clock offset: -4.941 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.65 Mbit/s

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

Loss rate: 0.08%

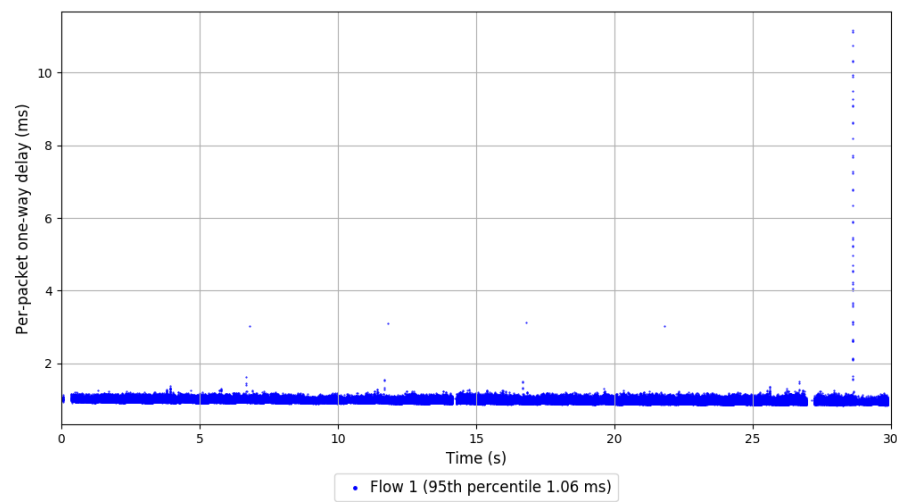
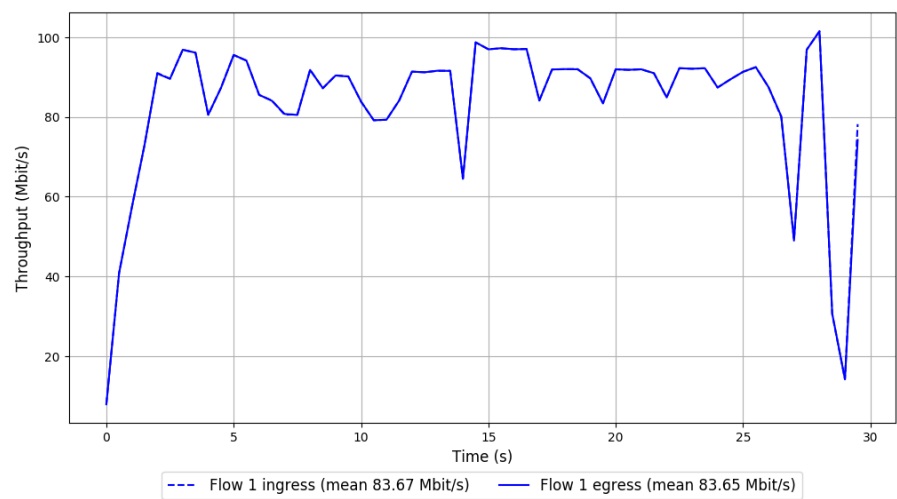
-- Flow 1:

Average throughput: 83.65 Mbit/s

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

Loss rate: 0.08%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-03-27 03:48:31

End at: 2018-03-27 03:49:01

Local clock offset: 2.748 ms

Remote clock offset: -5.195 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 1.850 ms

Loss rate: 0.06%

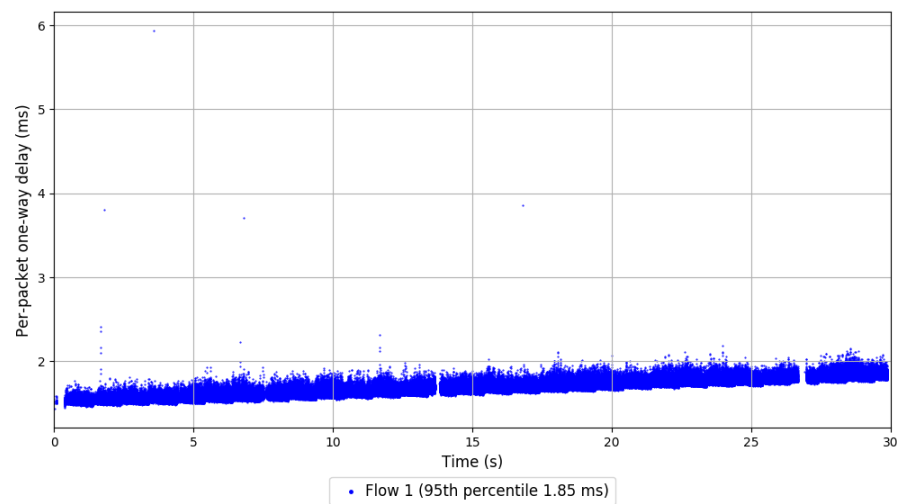
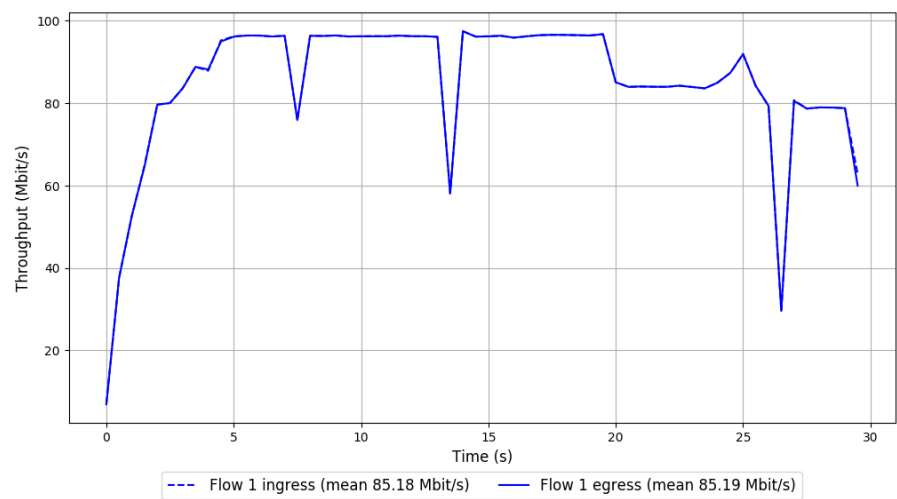
-- Flow 1:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 1.850 ms

Loss rate: 0.06%

Run 8: Report of QUIC Cubic — Data Link

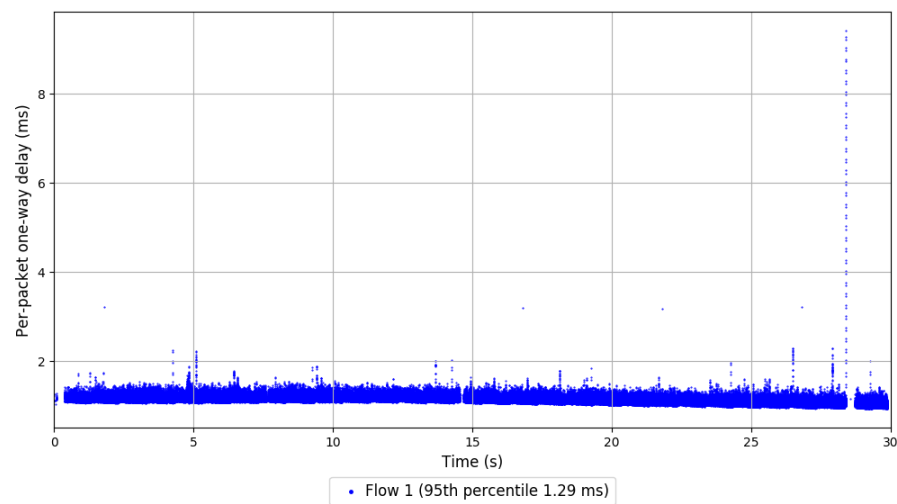
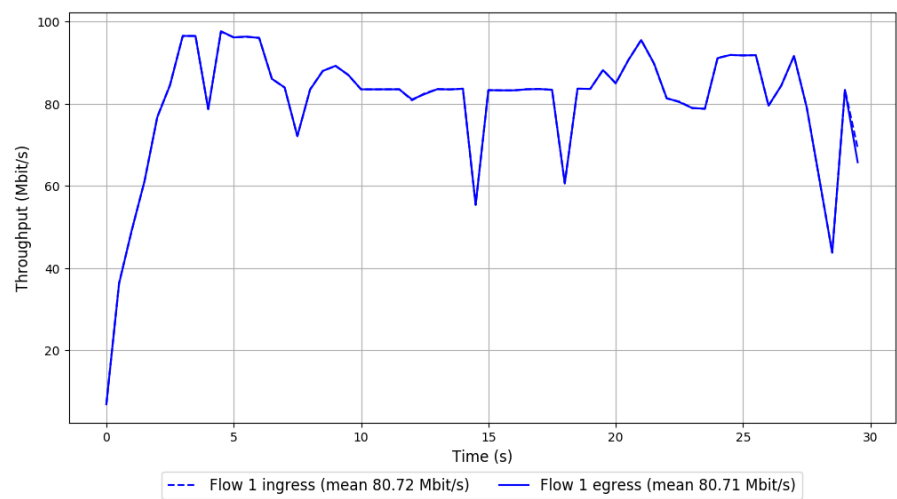


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-27 04:44:31
End at: 2018-03-27 04:45:01
Local clock offset: -4.285 ms
Remote clock offset: -6.392 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.71 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 80.71 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.08%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-03-27 05:11:56

End at: 2018-03-27 05:12:26

Local clock offset: -1.305 ms

Remote clock offset: -6.26 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 1.042 ms

Loss rate: 0.08%

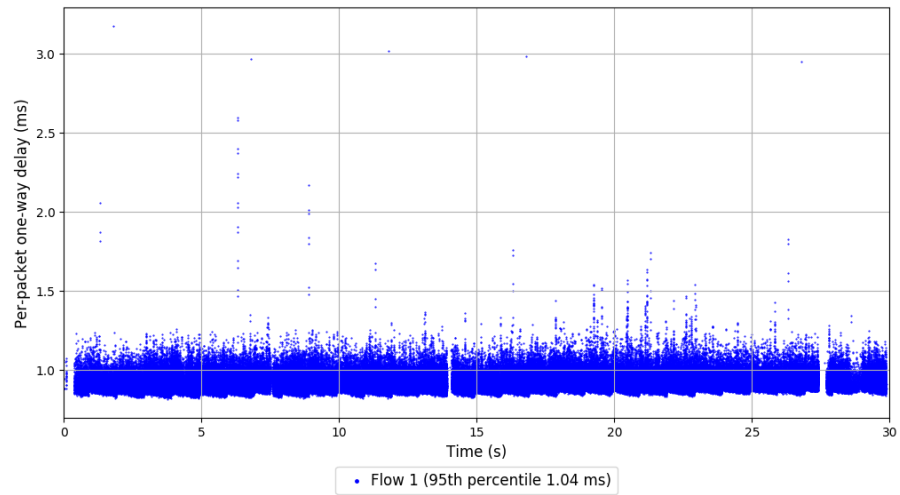
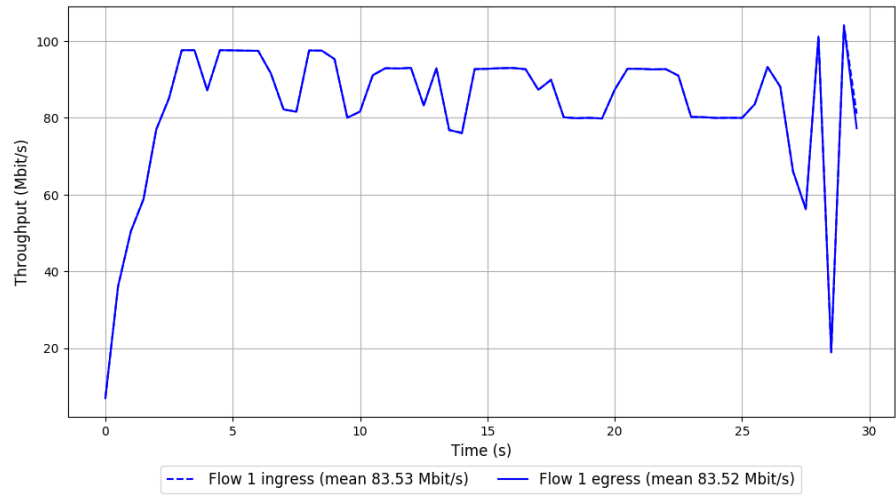
-- Flow 1:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 1.042 ms

Loss rate: 0.08%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-03-27 00:55:14

End at: 2018-03-27 00:55:44

Local clock offset: 3.816 ms

Remote clock offset: -7.075 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.261 ms

Loss rate: 0.13%

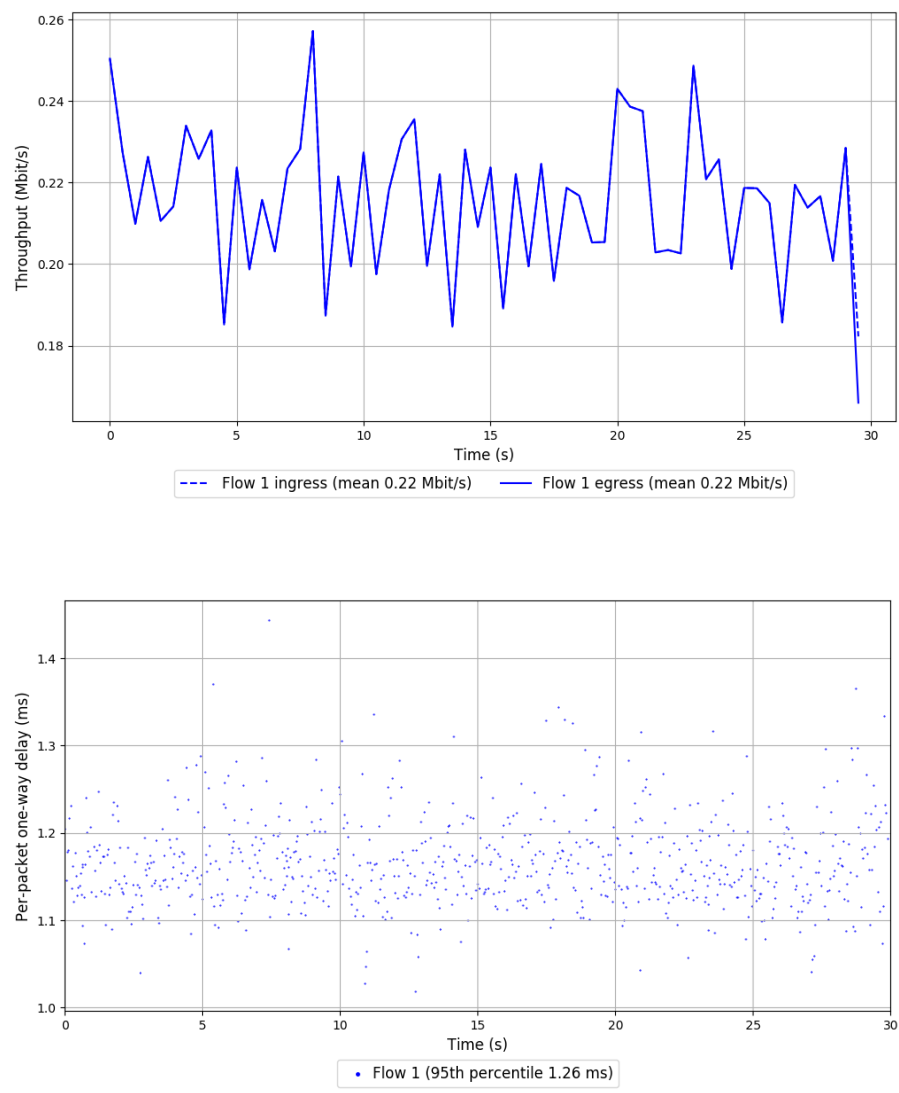
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.261 ms

Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

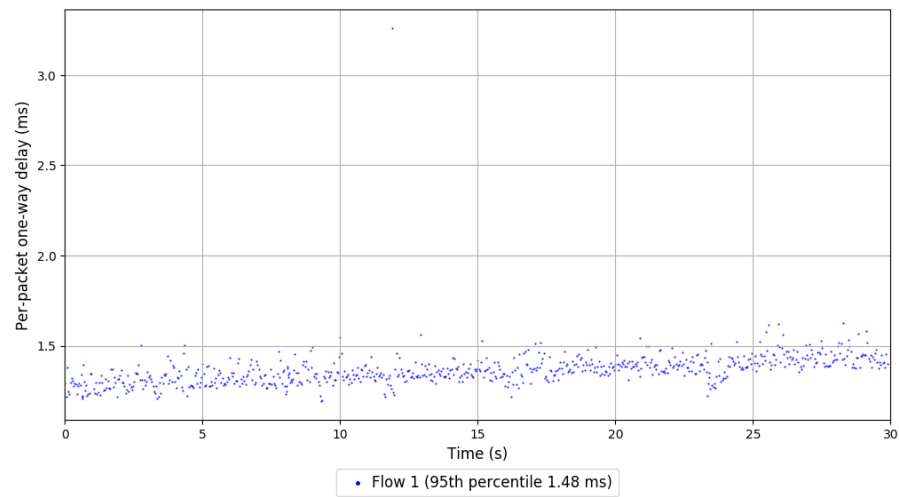
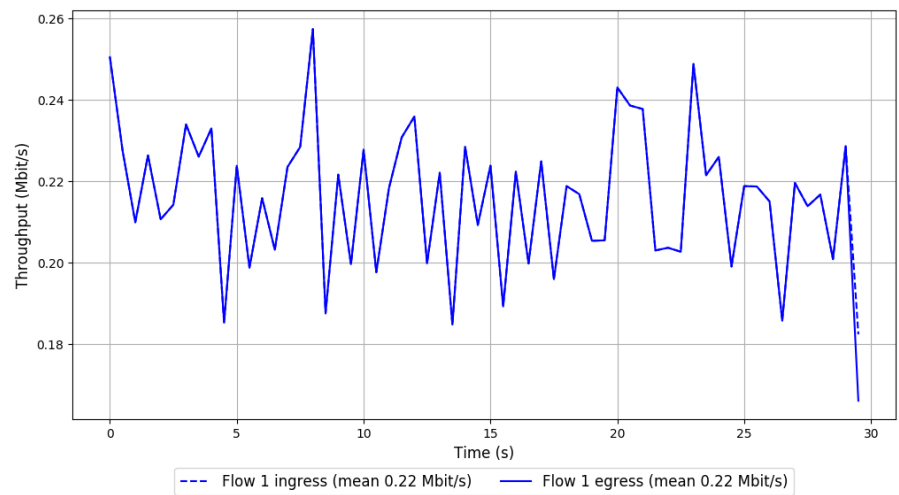


Run 2: Statistics of SCReAM

Start at: 2018-03-27 01:22:43
End at: 2018-03-27 01:23:13
Local clock offset: 3.027 ms
Remote clock offset: -6.104 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.480 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.480 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

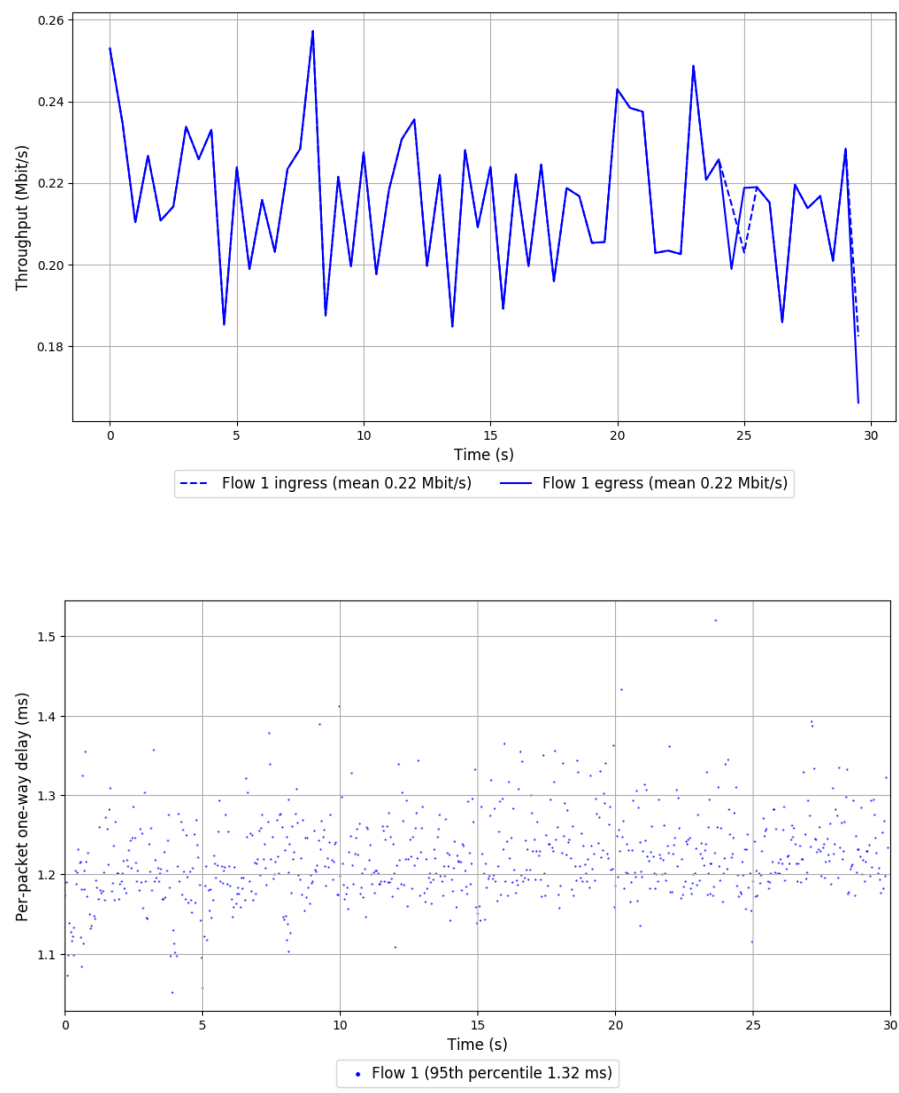


Run 3: Statistics of SCReAM

Start at: 2018-03-27 01:50:21
End at: 2018-03-27 01:50:51
Local clock offset: -0.826 ms
Remote clock offset: -5.272 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-03-27 02:17:59

End at: 2018-03-27 02:18:29

Local clock offset: -0.993 ms

Remote clock offset: -5.81 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.13%

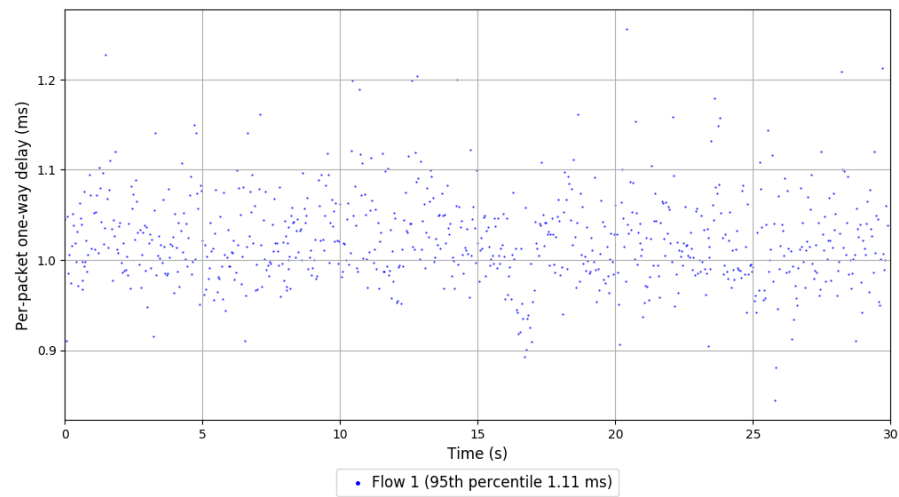
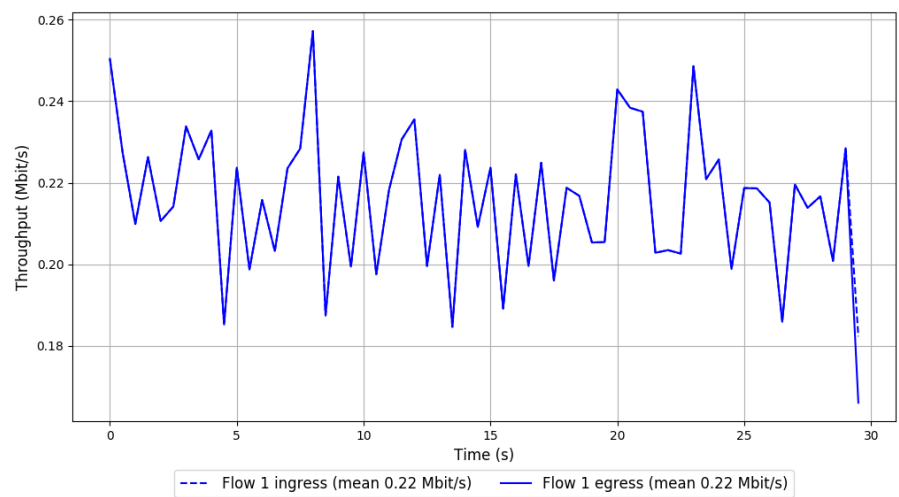
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

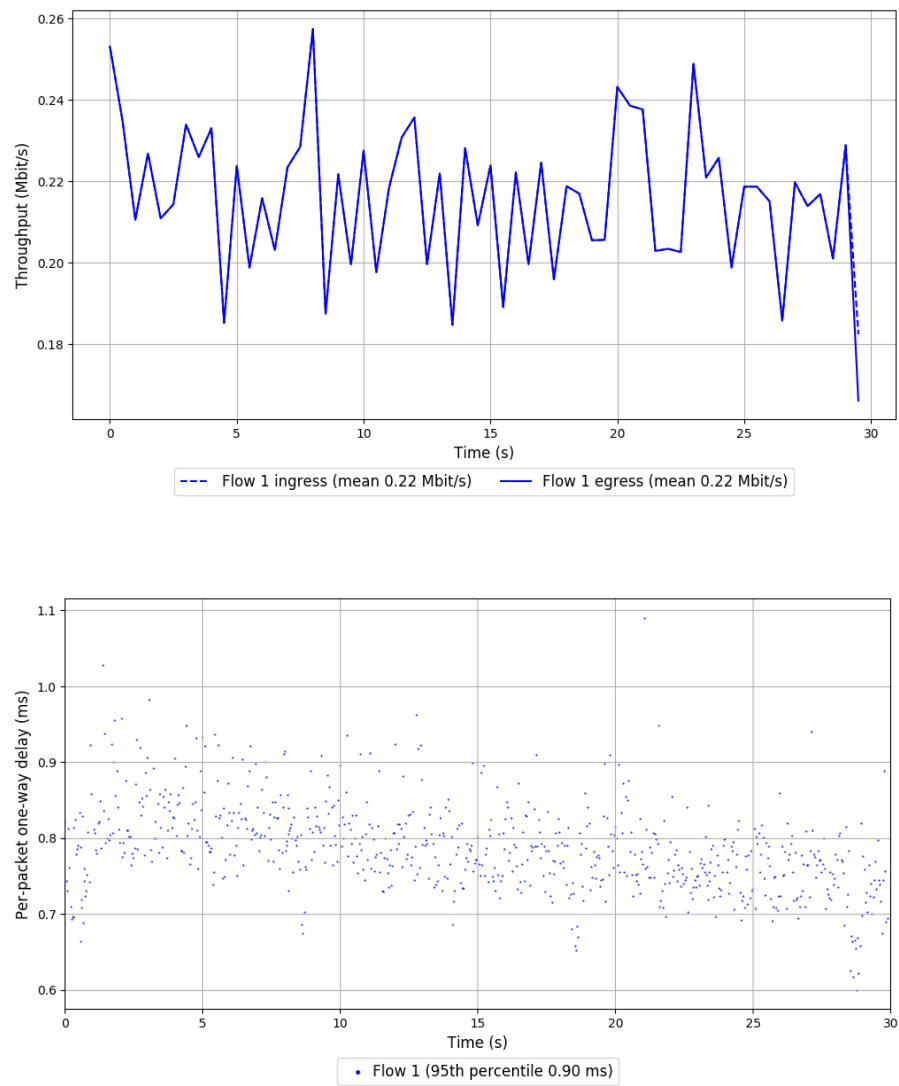


Run 5: Statistics of SCReAM

Start at: 2018-03-27 02:45:37
End at: 2018-03-27 02:46:07
Local clock offset: 9.233 ms
Remote clock offset: -5.987 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.898 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.898 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-03-27 03:13:04

End at: 2018-03-27 03:13:34

Local clock offset: 13.79 ms

Remote clock offset: -4.69 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.157 ms

Loss rate: 0.13%

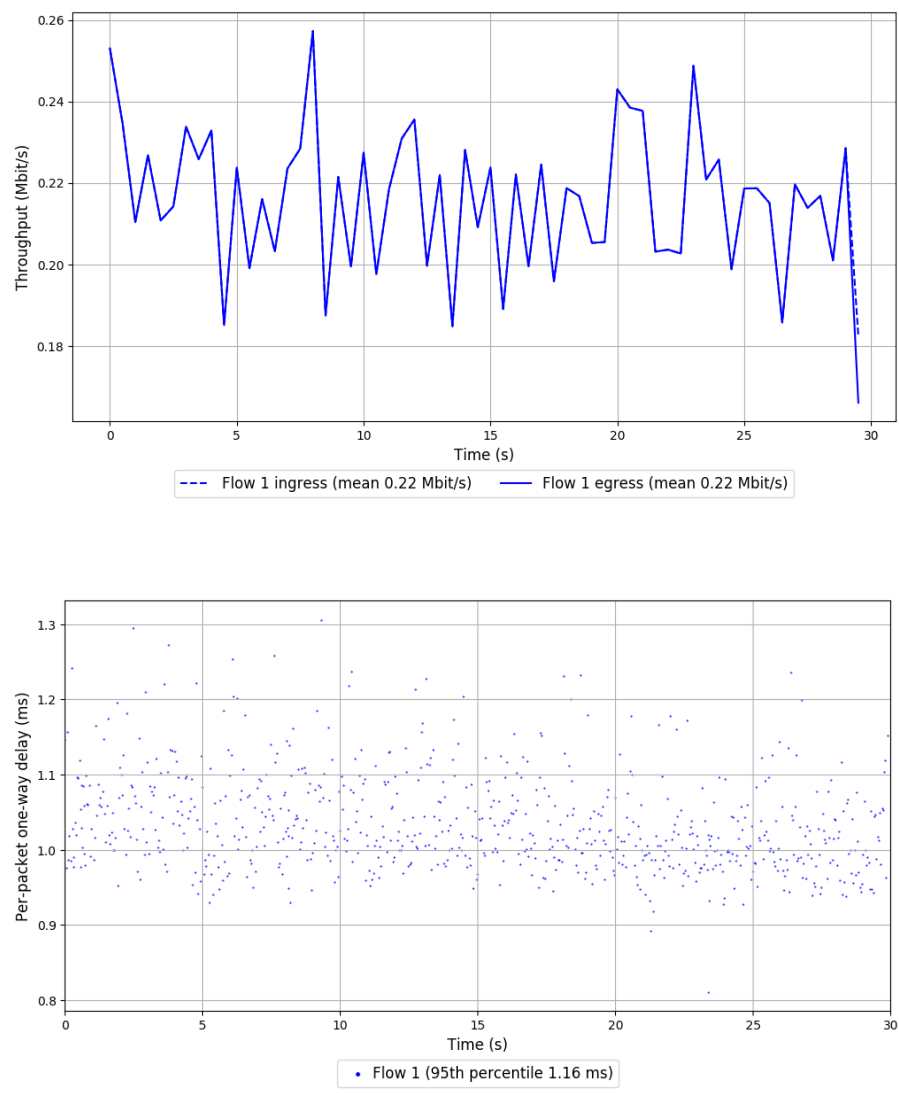
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.157 ms

Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

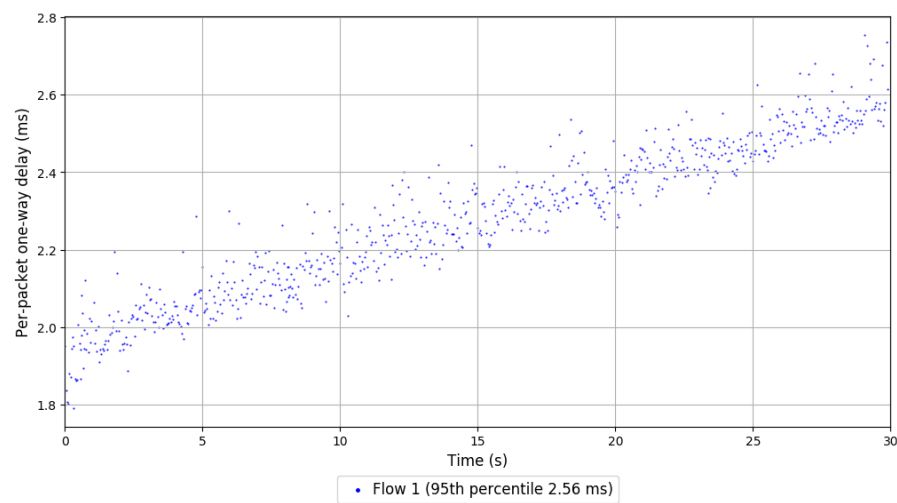
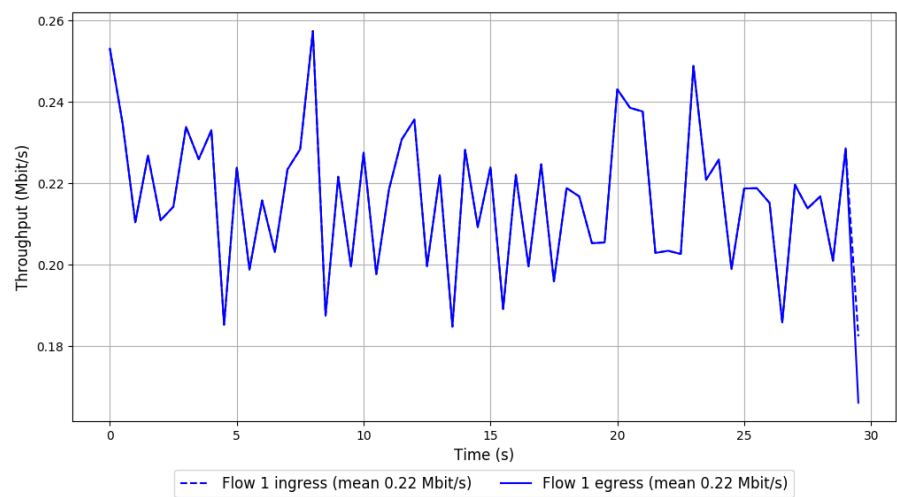


Run 7: Statistics of SCReAM

Start at: 2018-03-27 03:40:44
End at: 2018-03-27 03:41:14
Local clock offset: 10.192 ms
Remote clock offset: -5.212 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.559 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.559 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-03-27 04:34:23

End at: 2018-03-27 04:34:53

Local clock offset: -3.238 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: -1.079 ms

Loss rate: 0.13%

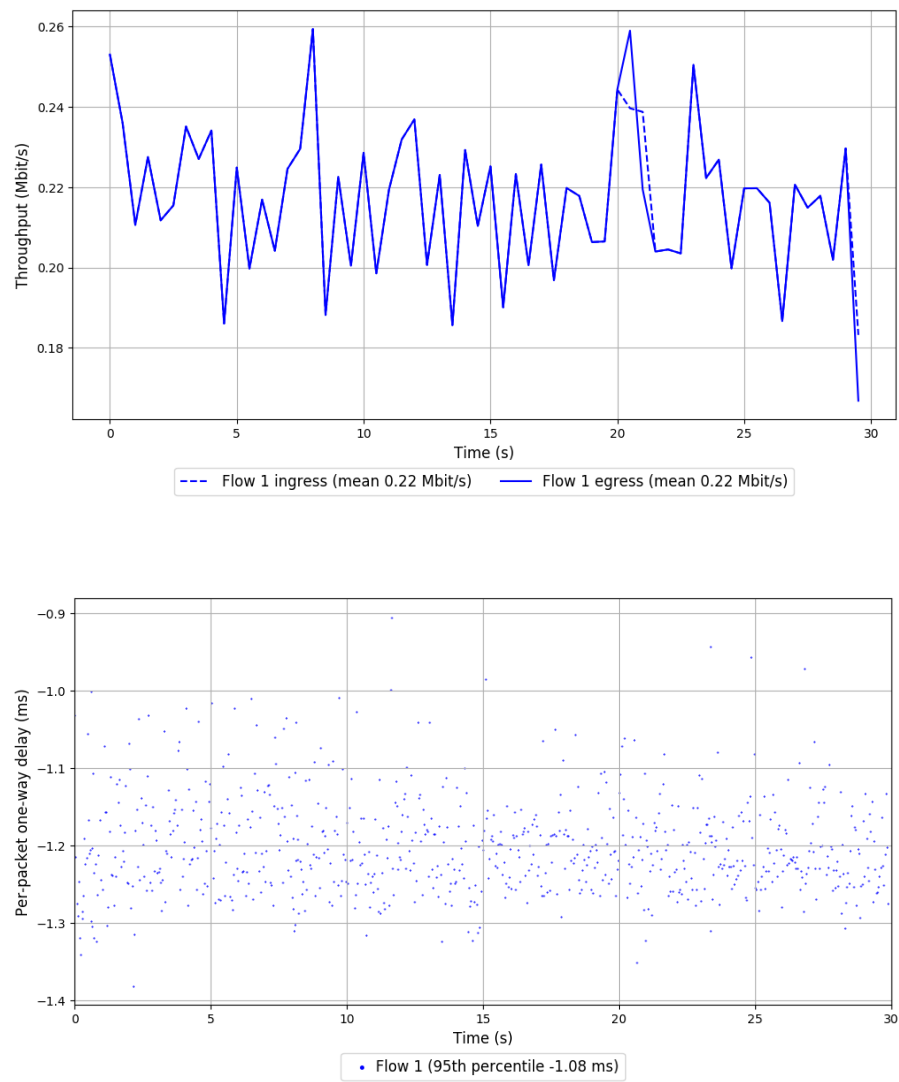
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: -1.079 ms

Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

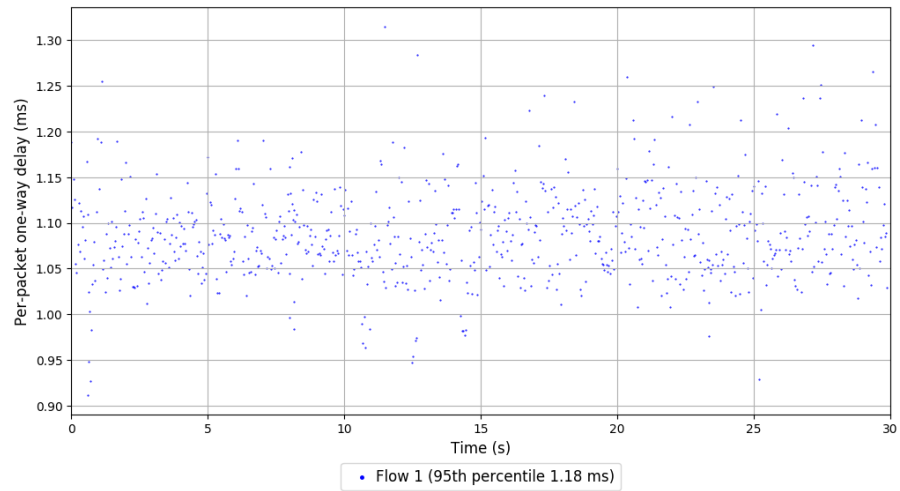
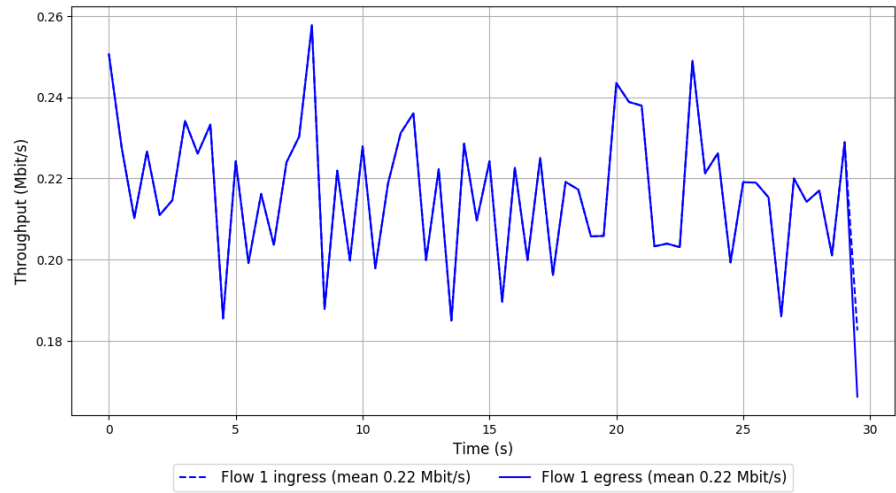


Run 9: Statistics of SCReAM

Start at: 2018-03-27 05:04:13
End at: 2018-03-27 05:04:43
Local clock offset: -1.238 ms
Remote clock offset: -6.503 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link

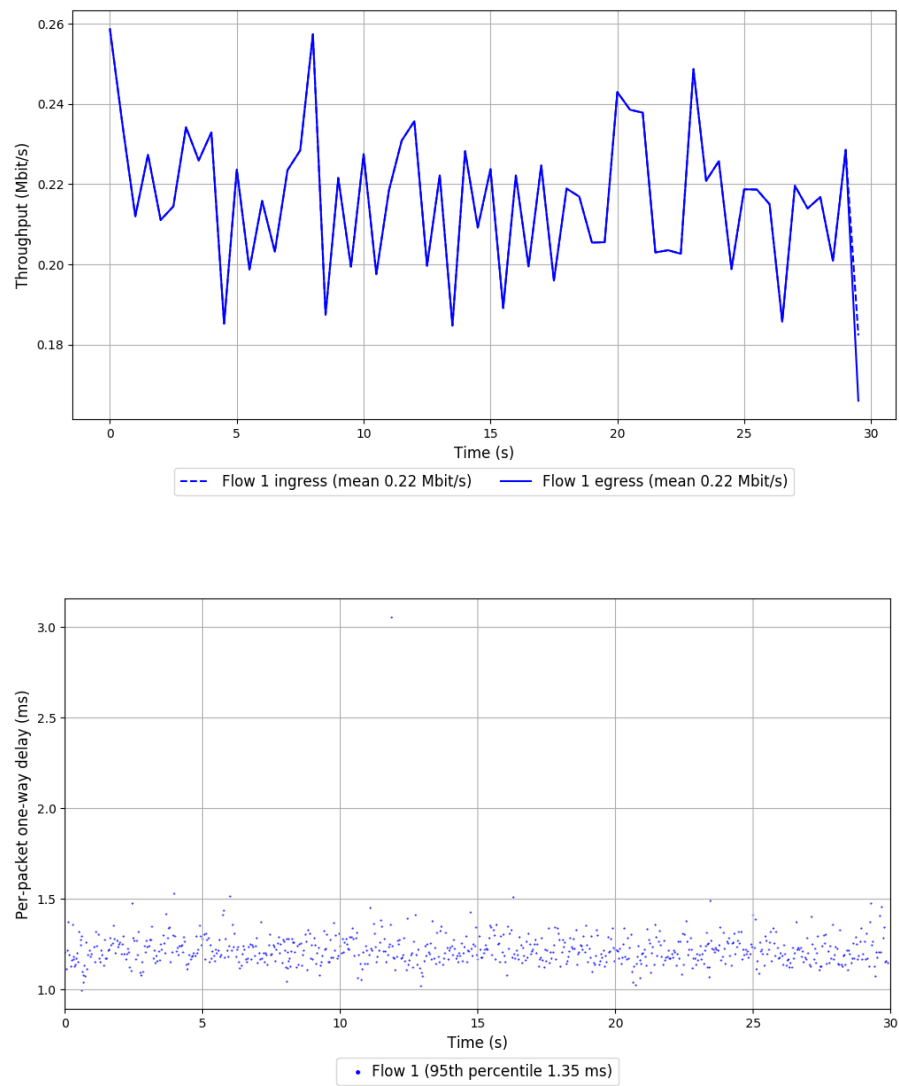


Run 10: Statistics of SCReAM

Start at: 2018-03-27 05:31:42
End at: 2018-03-27 05:32:12
Local clock offset: -0.667 ms
Remote clock offset: -6.238 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.350 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.350 ms
Loss rate: 0.13%

Run 10: Report of SReAM — Data Link

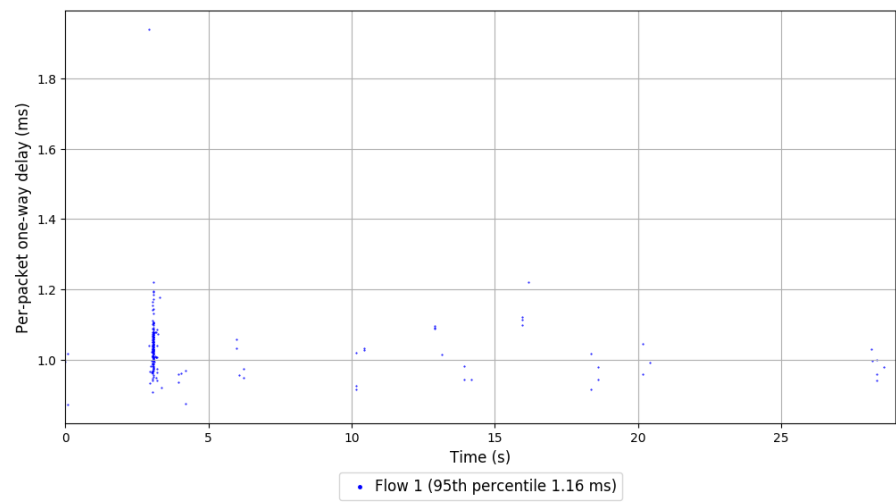
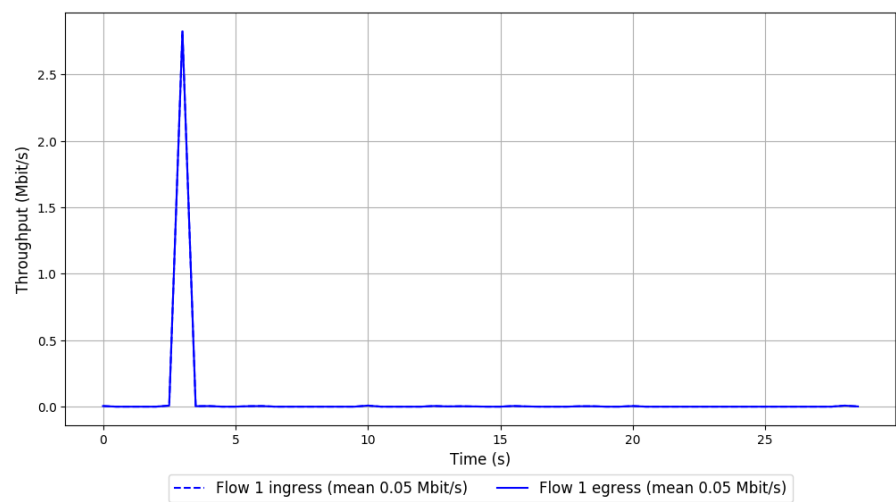


Run 1: Statistics of WebRTC media

Start at: 2018-03-27 00:47:47
End at: 2018-03-27 00:48:17
Local clock offset: 4.059 ms
Remote clock offset: -6.866 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

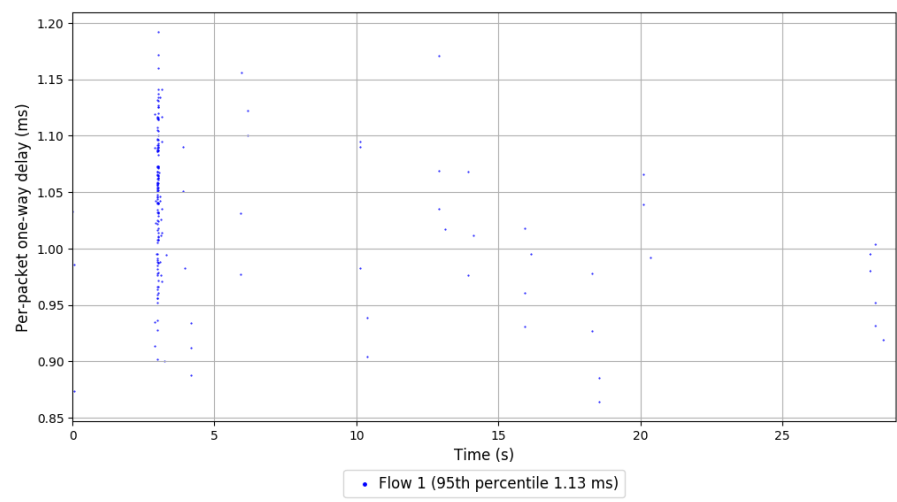
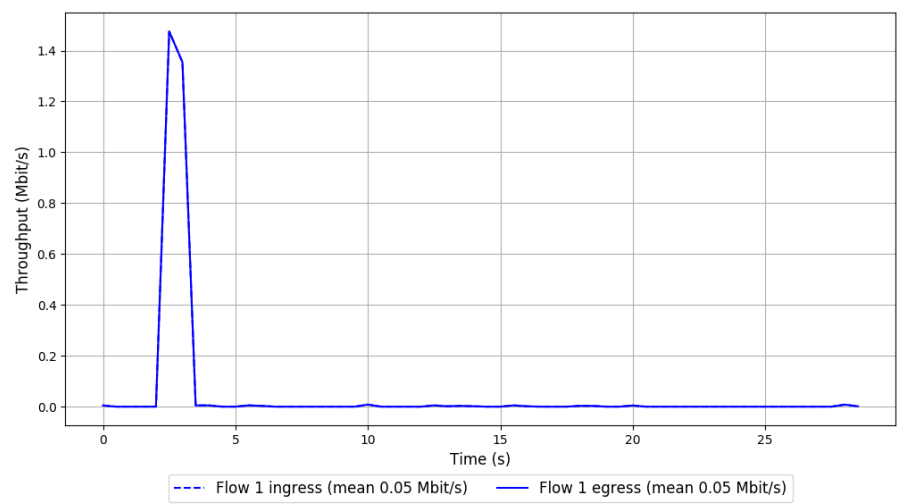


Run 2: Statistics of WebRTC media

Start at: 2018-03-27 01:15:16
End at: 2018-03-27 01:15:46
Local clock offset: 3.849 ms
Remote clock offset: -6.235 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

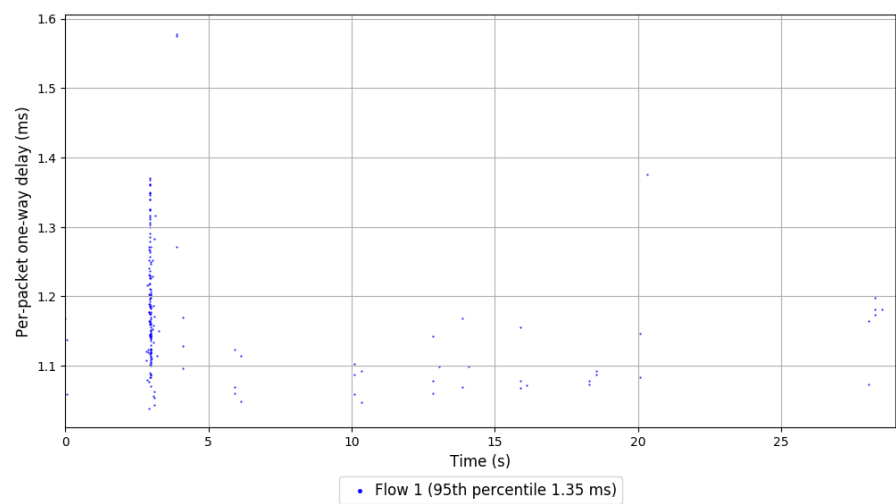
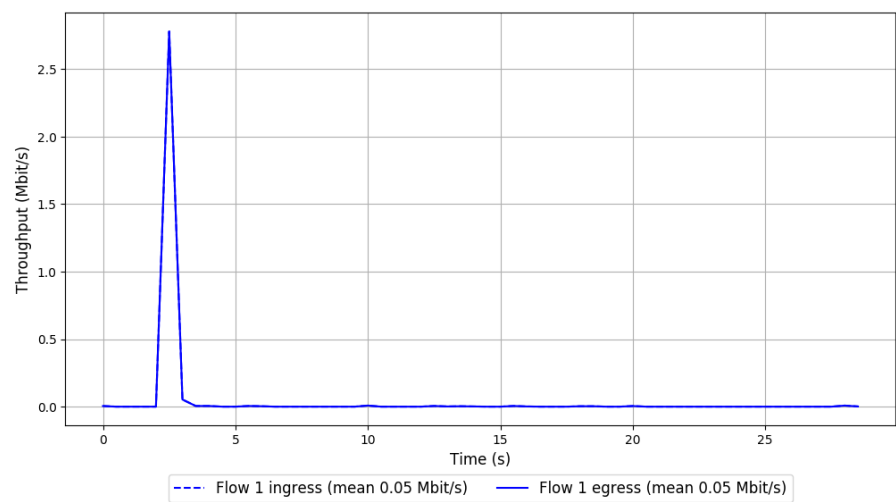


Run 3: Statistics of WebRTC media

Start at: 2018-03-27 01:42:49
End at: 2018-03-27 01:43:19
Local clock offset: -0.32 ms
Remote clock offset: -5.477 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.349 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

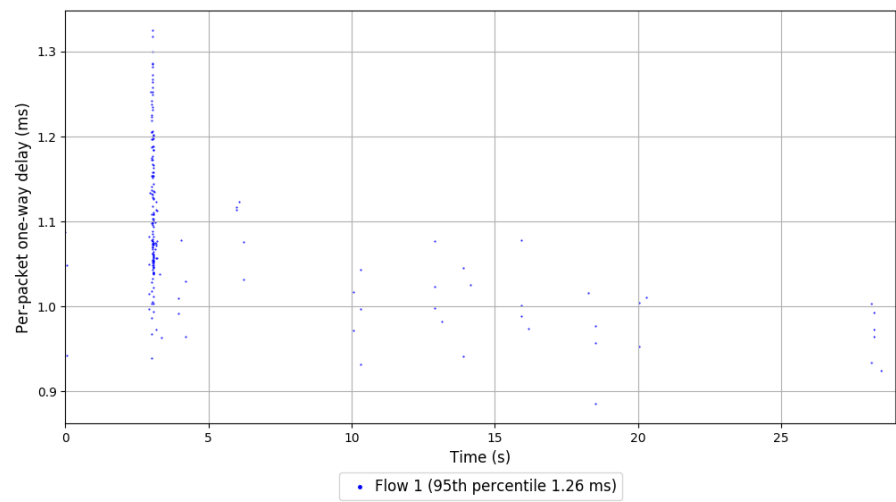
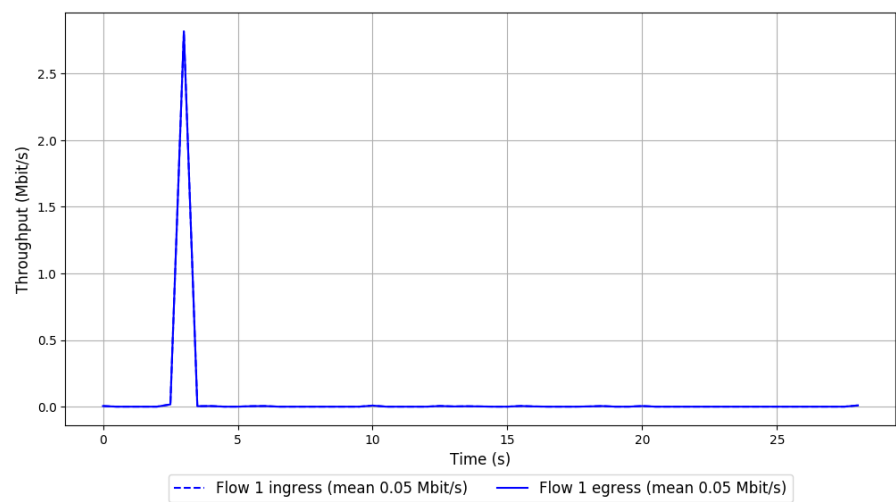


Run 4: Statistics of WebRTC media

Start at: 2018-03-27 02:10:27
End at: 2018-03-27 02:10:57
Local clock offset: -0.698 ms
Remote clock offset: -5.178 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

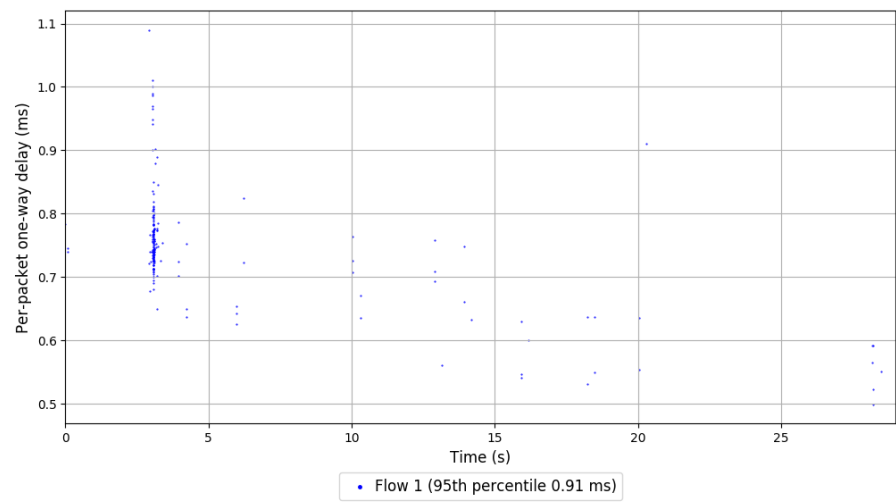
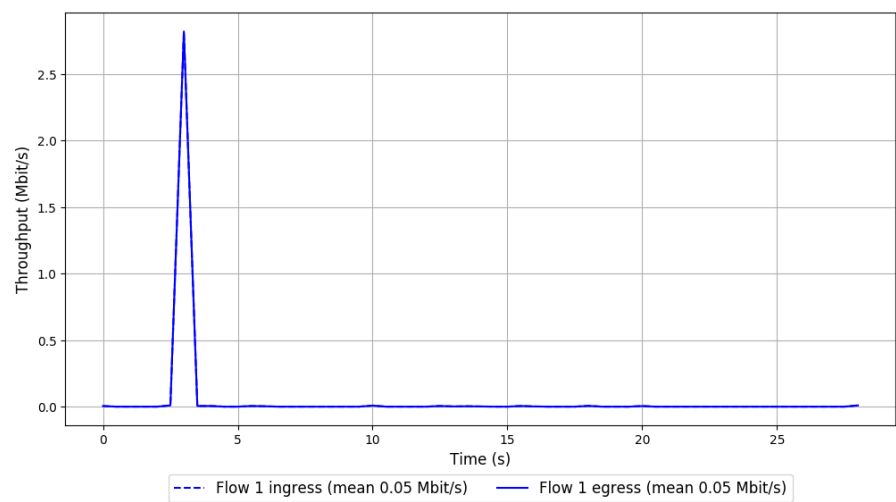


Run 5: Statistics of WebRTC media

Start at: 2018-03-27 02:38:06
End at: 2018-03-27 02:38:36
Local clock offset: 6.529 ms
Remote clock offset: -6.382 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.910 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

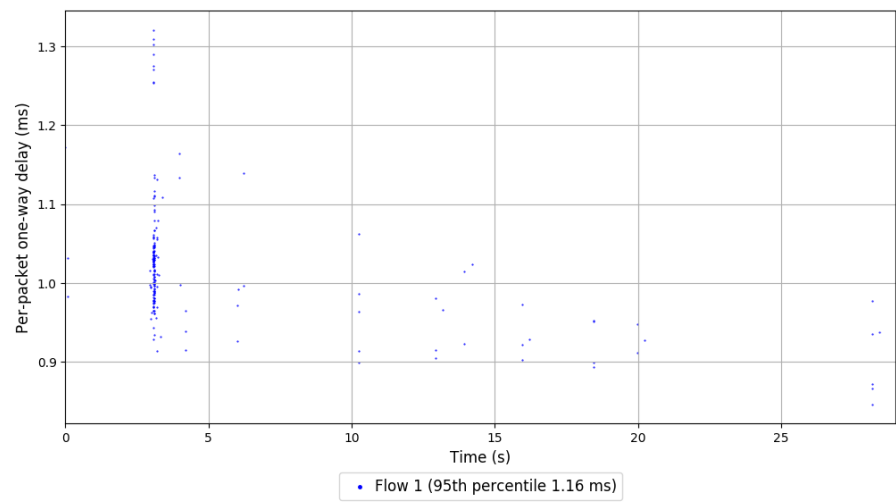
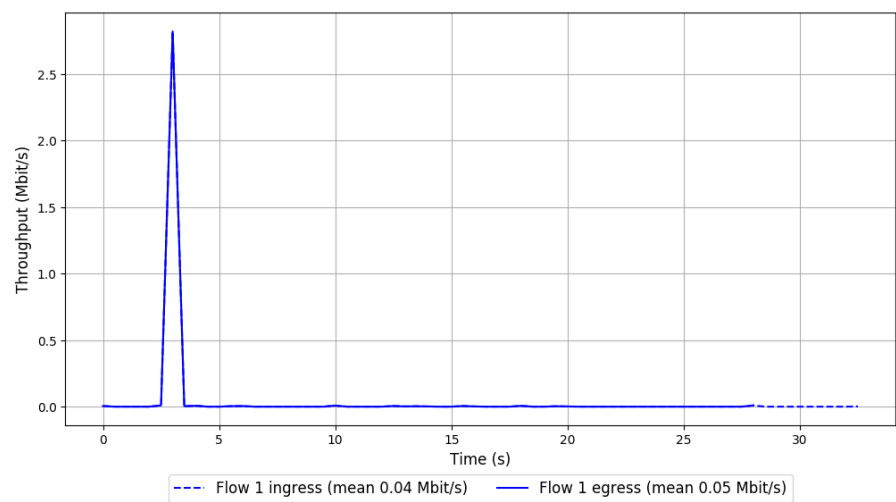


Run 6: Statistics of WebRTC media

Start at: 2018-03-27 03:05:35
End at: 2018-03-27 03:06:05
Local clock offset: 12.865 ms
Remote clock offset: -4.919 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.05%

Run 6: Report of WebRTC media — Data Link

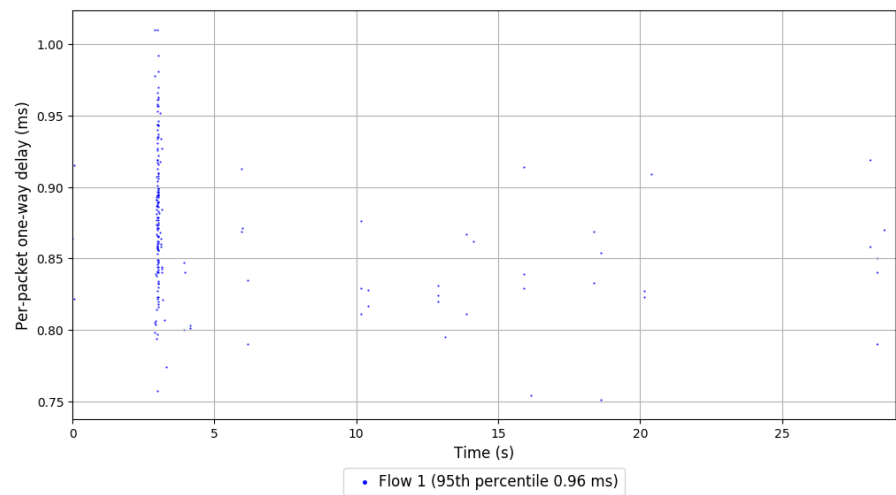
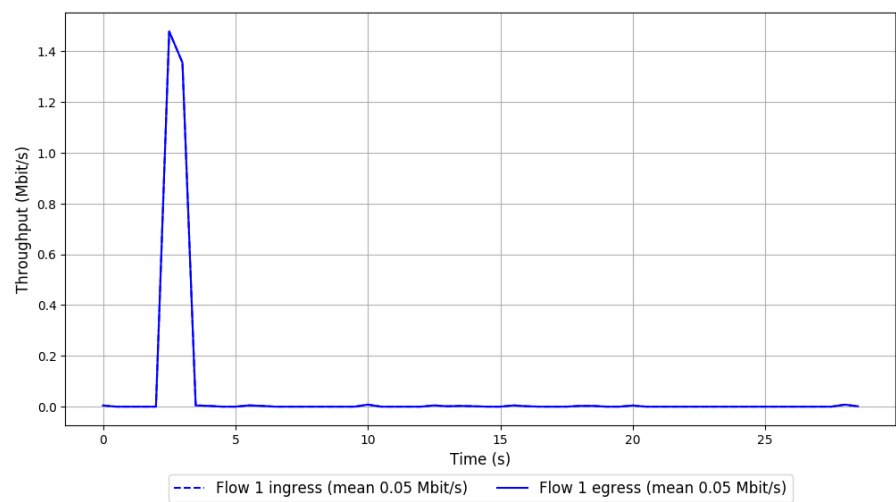


Run 7: Statistics of WebRTC media

Start at: 2018-03-27 03:33:12
End at: 2018-03-27 03:33:42
Local clock offset: 15.98 ms
Remote clock offset: -5.114 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.961 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-03-27 04:15:23

End at: 2018-03-27 04:15:53

Local clock offset: -4.569 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.512 ms

Loss rate: 0.00%

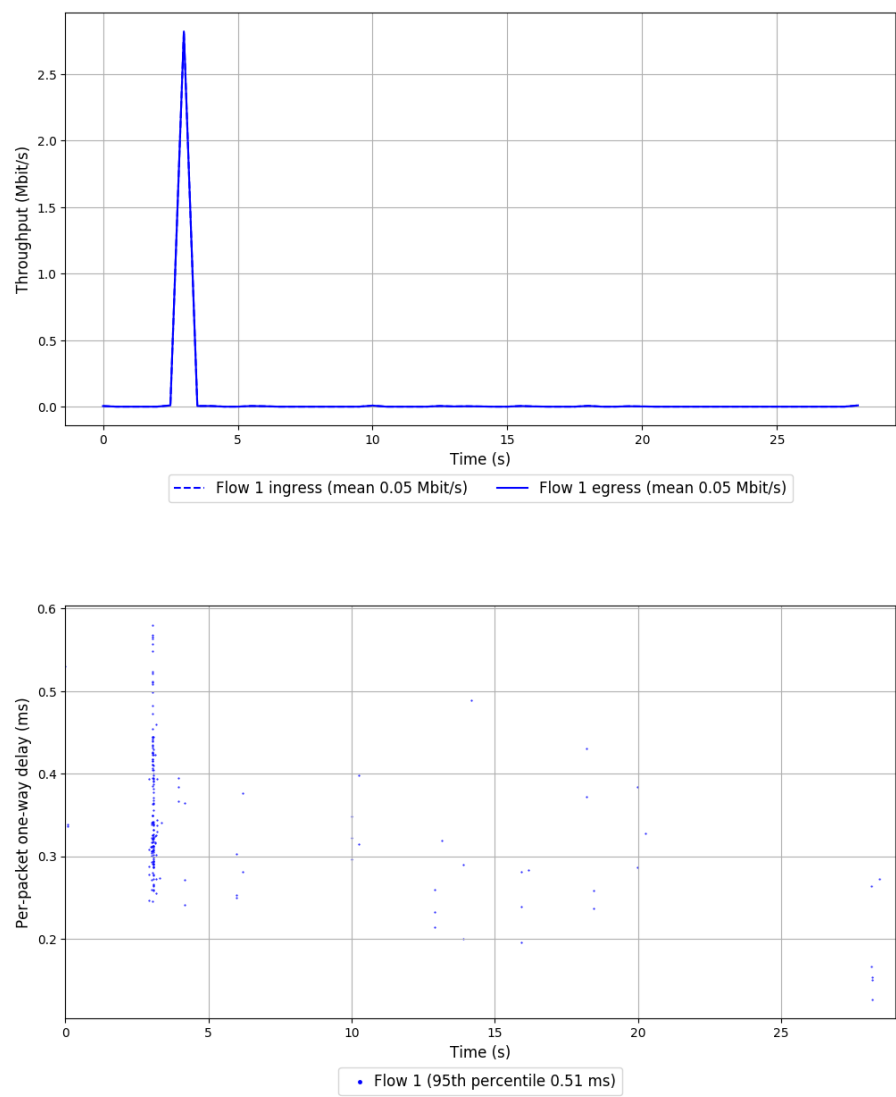
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.512 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

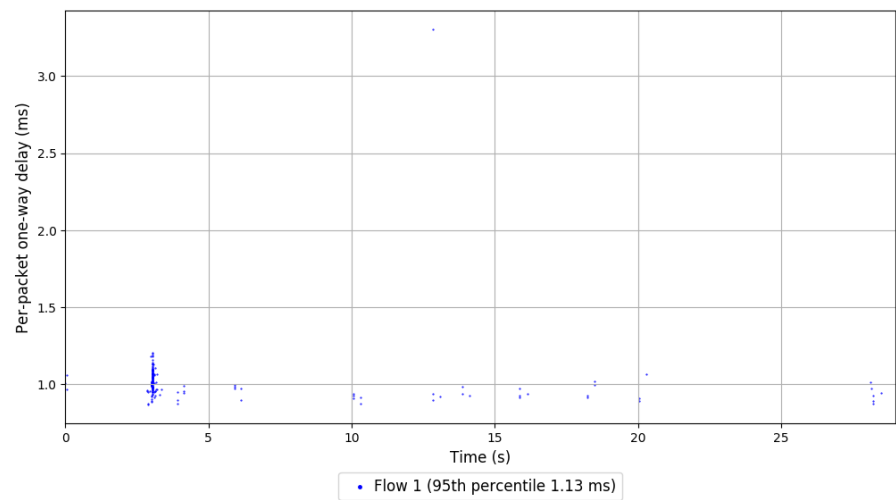
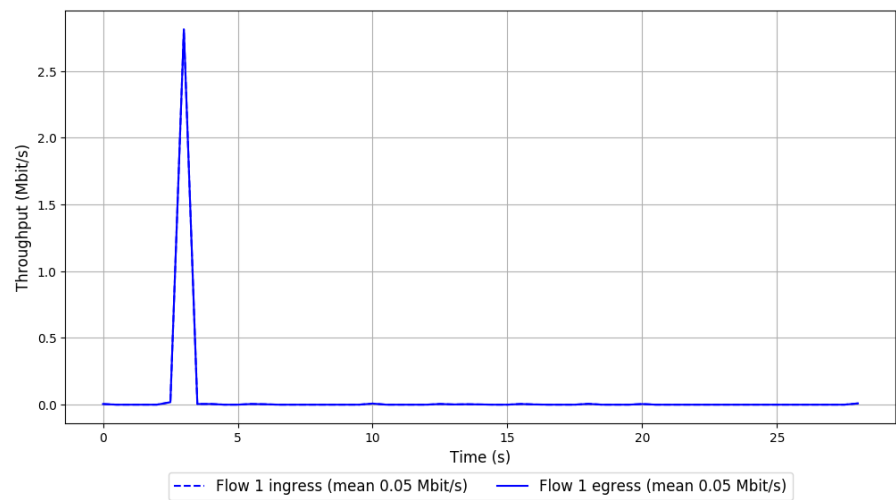


Run 9: Statistics of WebRTC media

Start at: 2018-03-27 04:56:47
End at: 2018-03-27 04:57:17
Local clock offset: -1.51 ms
Remote clock offset: -6.604 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-27 05:24:13

End at: 2018-03-27 05:24:43

Local clock offset: -1.02 ms

Remote clock offset: -6.245 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.231 ms

Loss rate: 0.00%

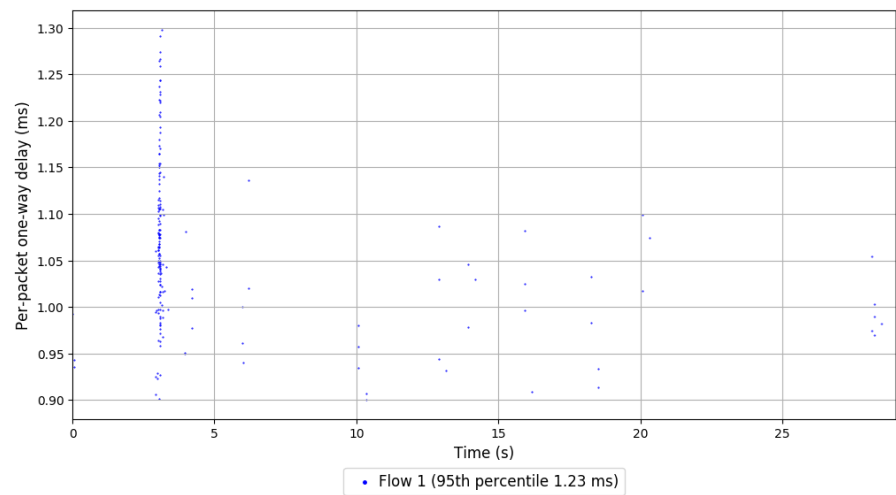
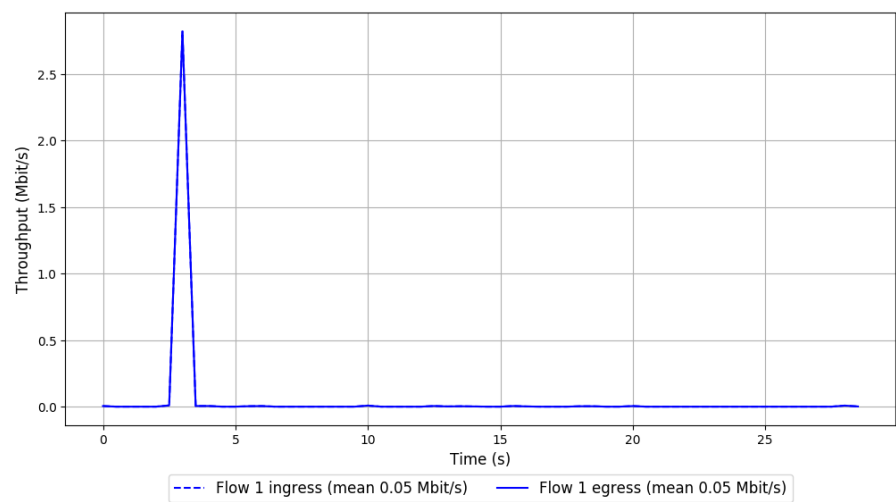
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.231 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

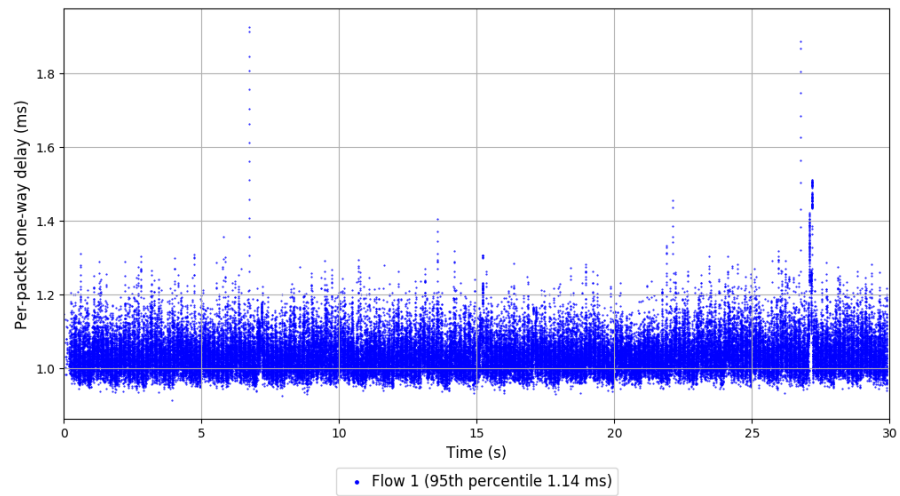
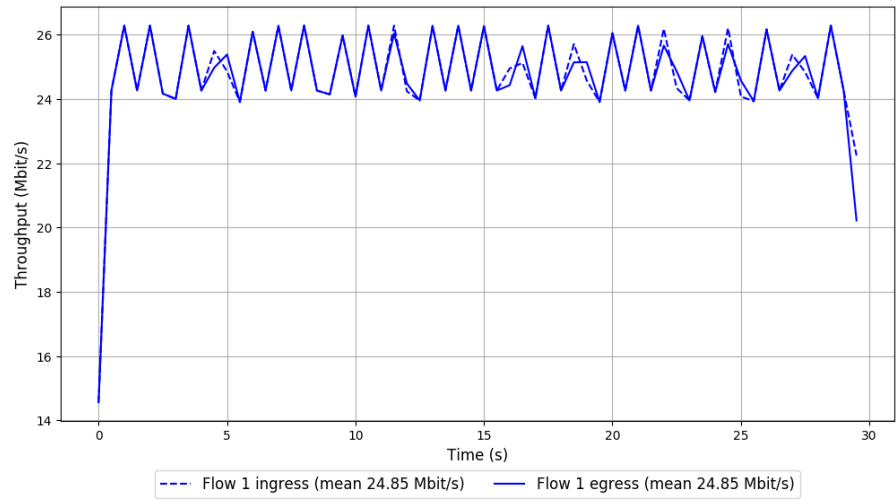


Run 1: Statistics of Sprout

Start at: 2018-03-27 00:50:40
End at: 2018-03-27 00:51:10
Local clock offset: 3.876 ms
Remote clock offset: -6.985 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.14%

Run 1: Report of Sprout — Data Link

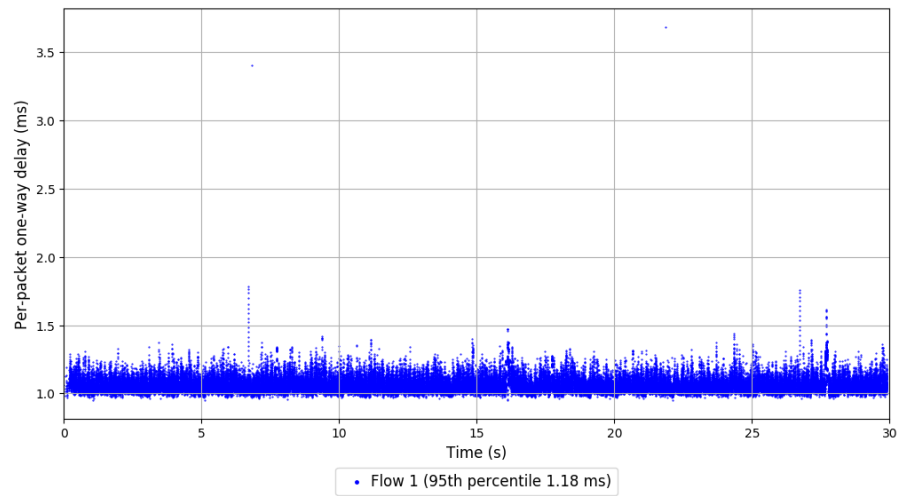
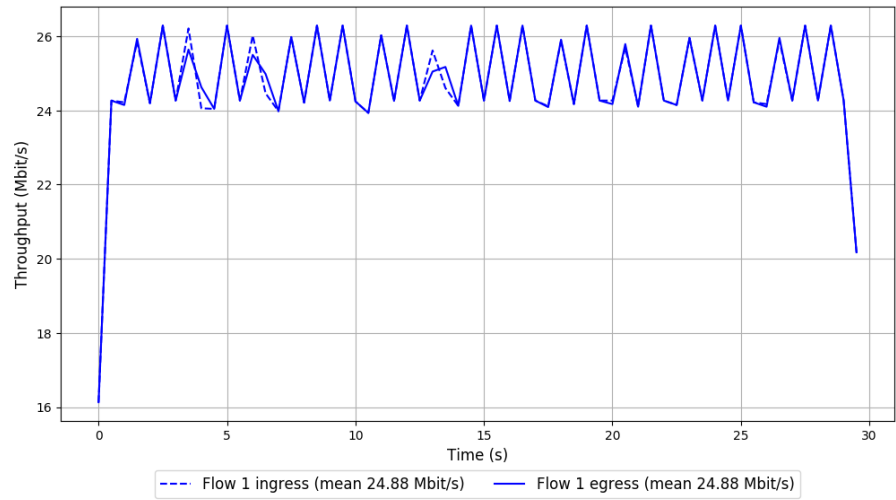


Run 2: Statistics of Sprout

Start at: 2018-03-27 01:18:09
End at: 2018-03-27 01:18:39
Local clock offset: 3.952 ms
Remote clock offset: -6.174 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

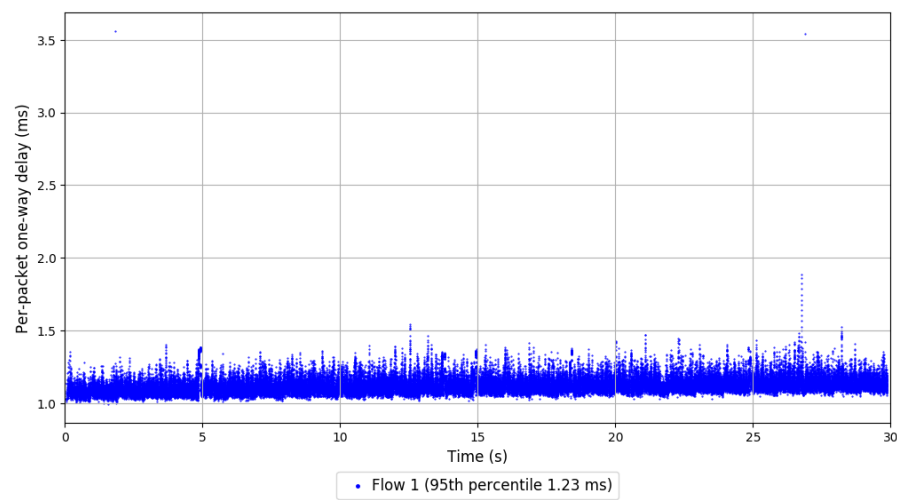
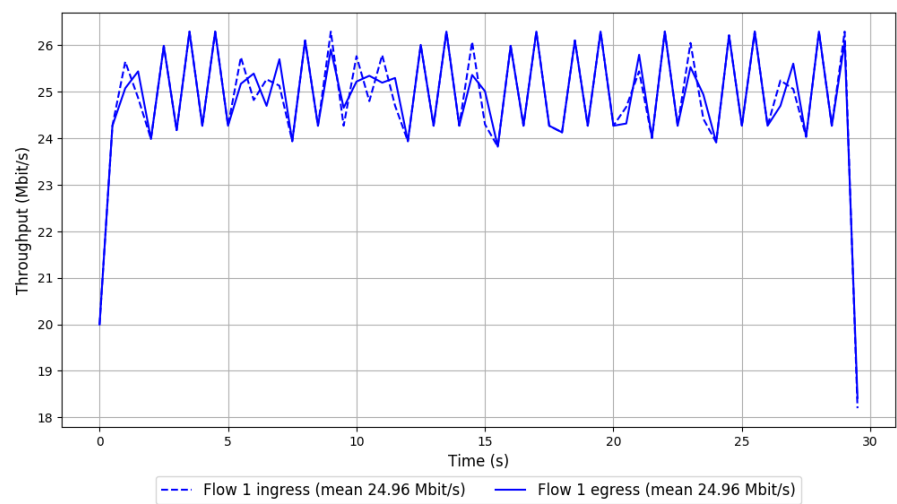


Run 3: Statistics of Sprout

Start at: 2018-03-27 01:45:42
End at: 2018-03-27 01:46:12
Local clock offset: -0.486 ms
Remote clock offset: -5.311 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

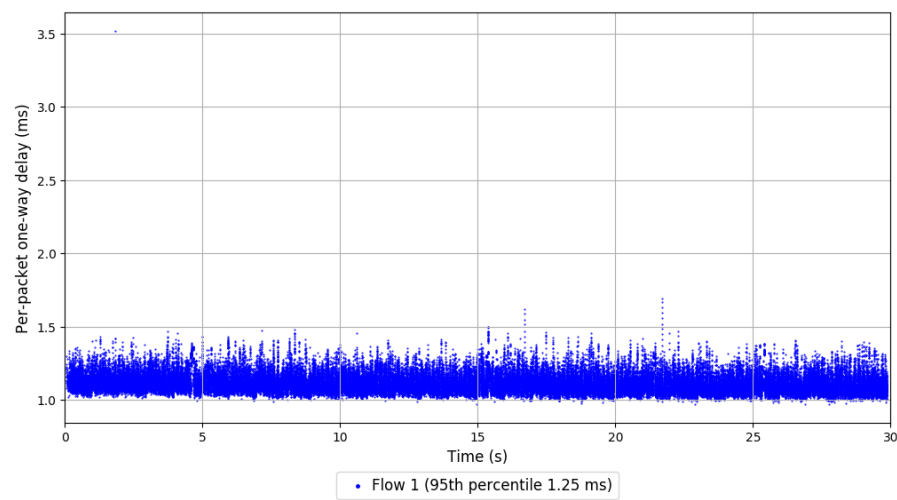
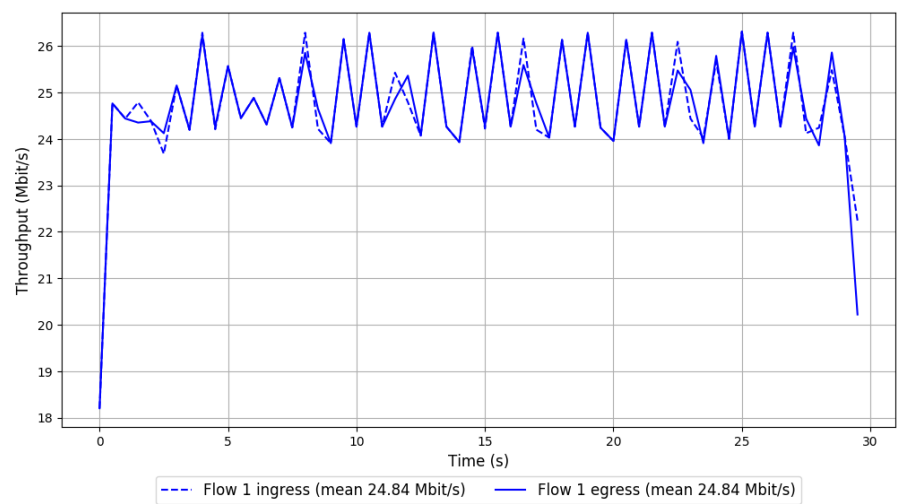


Run 4: Statistics of Sprout

Start at: 2018-03-27 02:13:21
End at: 2018-03-27 02:13:51
Local clock offset: -0.74 ms
Remote clock offset: -5.524 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.14%

Run 4: Report of Sprout — Data Link

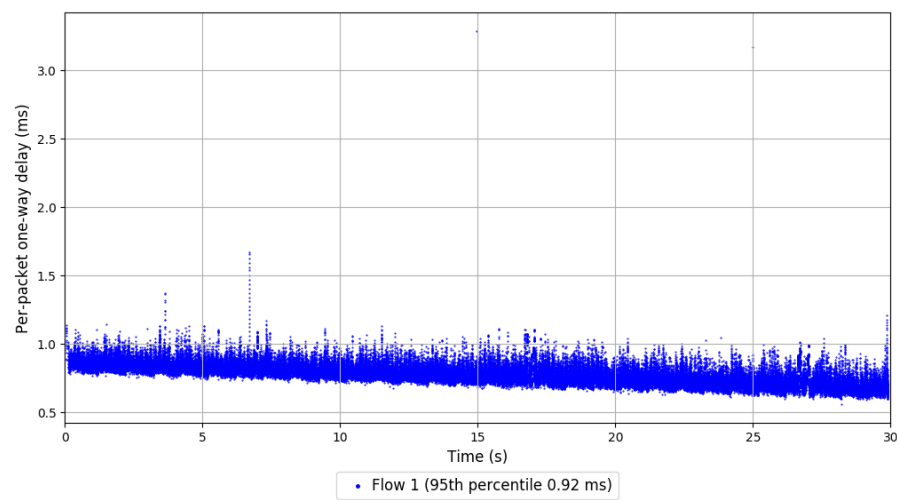
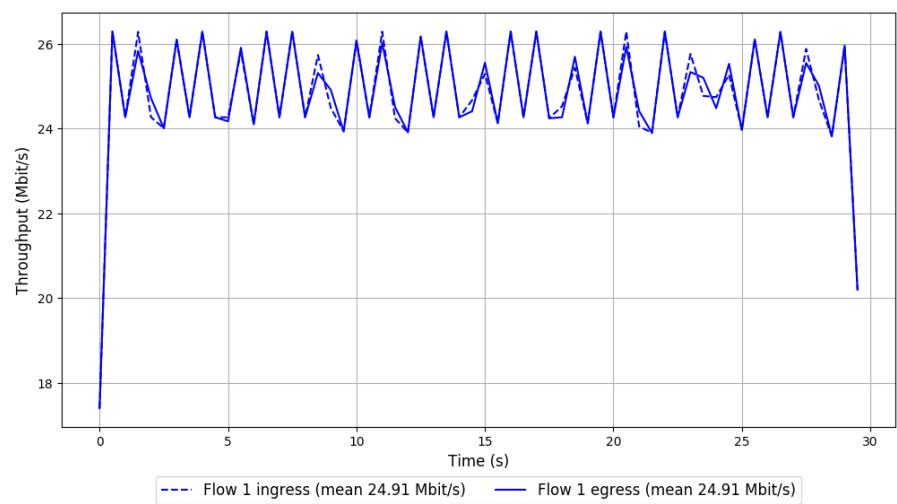


Run 5: Statistics of Sprout

Start at: 2018-03-27 02:40:58
End at: 2018-03-27 02:41:29
Local clock offset: 7.846 ms
Remote clock offset: -6.436 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

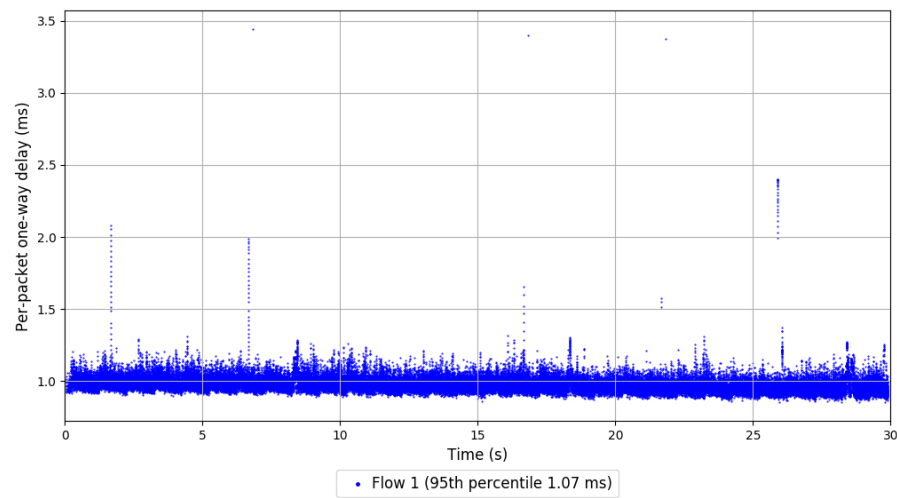
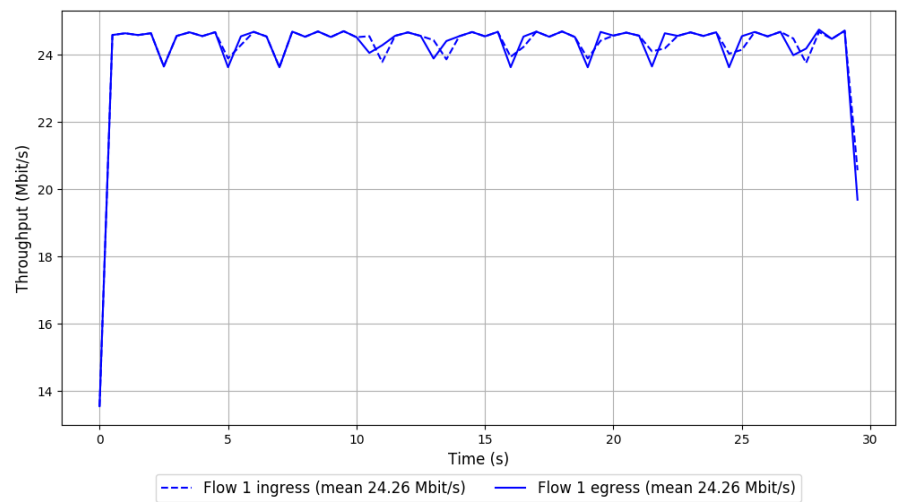


Run 6: Statistics of Sprout

Start at: 2018-03-27 03:08:27
End at: 2018-03-27 03:08:57
Local clock offset: 13.206 ms
Remote clock offset: -4.859 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.06%

Run 6: Report of Sprout — Data Link

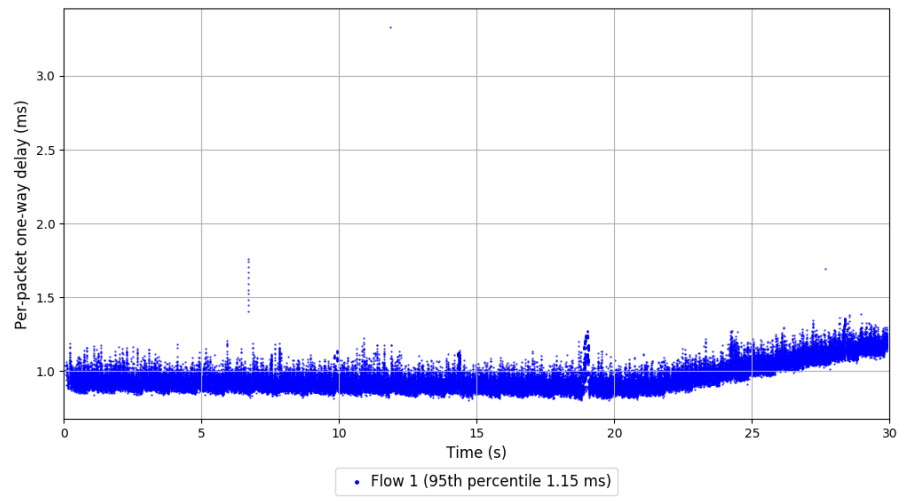
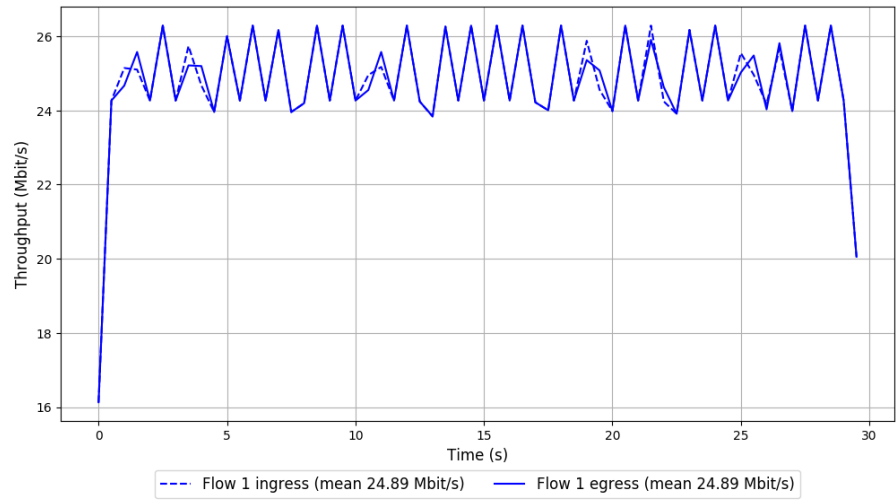


Run 7: Statistics of Sprout

Start at: 2018-03-27 03:36:06
End at: 2018-03-27 03:36:36
Local clock offset: 16.286 ms
Remote clock offset: -5.2 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-03-27 04:23:06

End at: 2018-03-27 04:23:36

Local clock offset: -3.117 ms

Below is generated by plot.py at 2018-03-27 11:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.90 Mbit/s

95th percentile per-packet one-way delay: -0.261 ms

Loss rate: 0.00%

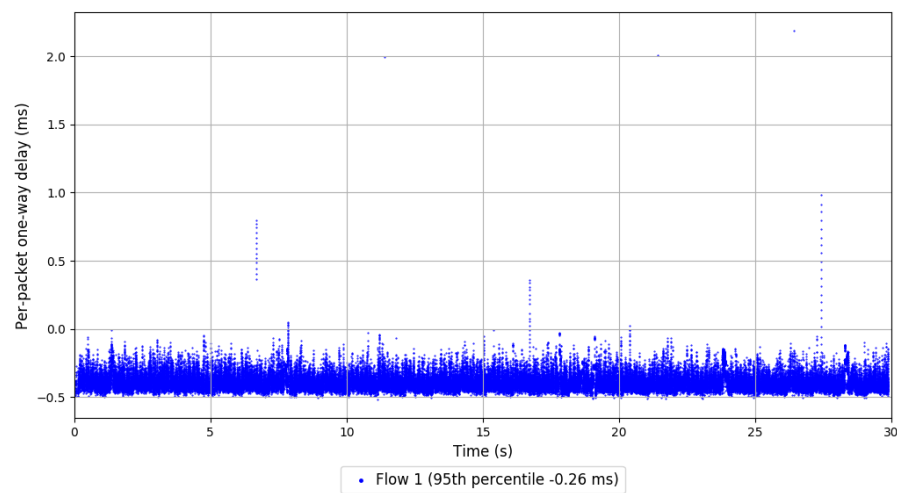
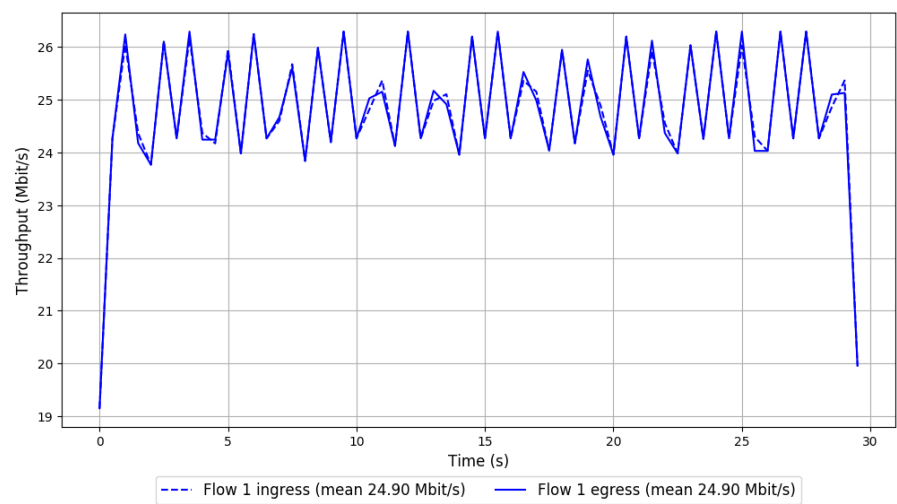
-- Flow 1:

Average throughput: 24.90 Mbit/s

95th percentile per-packet one-way delay: -0.261 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

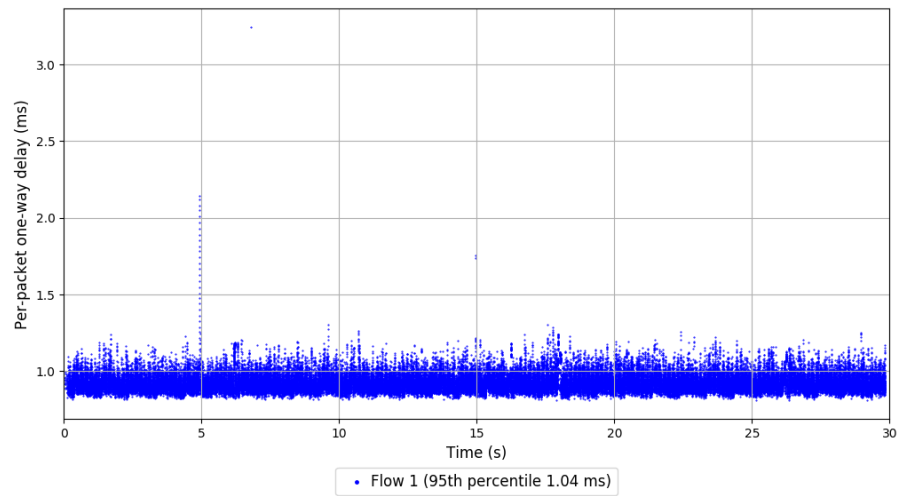
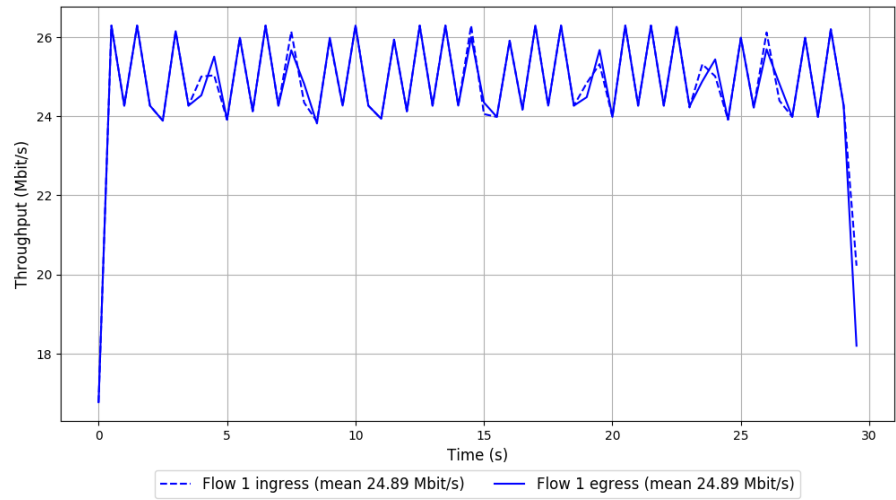


Run 9: Statistics of Sprout

Start at: 2018-03-27 04:59:37
End at: 2018-03-27 05:00:07
Local clock offset: -1.398 ms
Remote clock offset: -6.631 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.041 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.041 ms
Loss rate: 0.14%

Run 9: Report of Sprout — Data Link

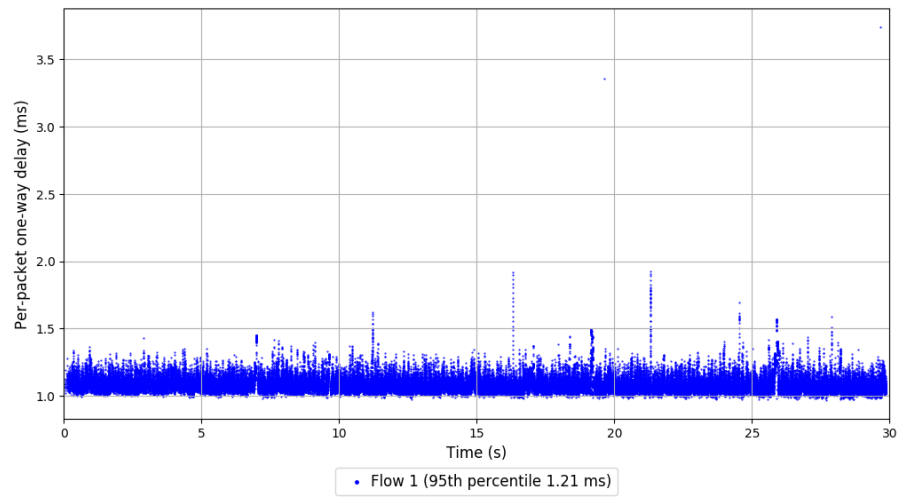
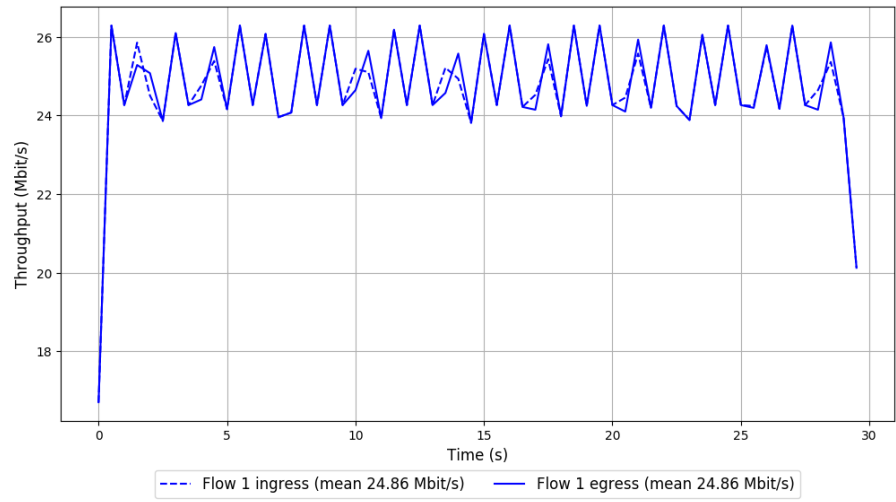


Run 10: Statistics of Sprout

Start at: 2018-03-27 05:27:06
End at: 2018-03-27 05:27:36
Local clock offset: -0.794 ms
Remote clock offset: -6.246 ms

Below is generated by plot.py at 2018-03-27 11:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-03-27 00:46:12

End at: 2018-03-27 00:46:42

Local clock offset: 4.172 ms

Remote clock offset: -6.847 ms

Below is generated by plot.py at 2018-03-27 11:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.46 Mbit/s

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

Loss rate: 0.06%

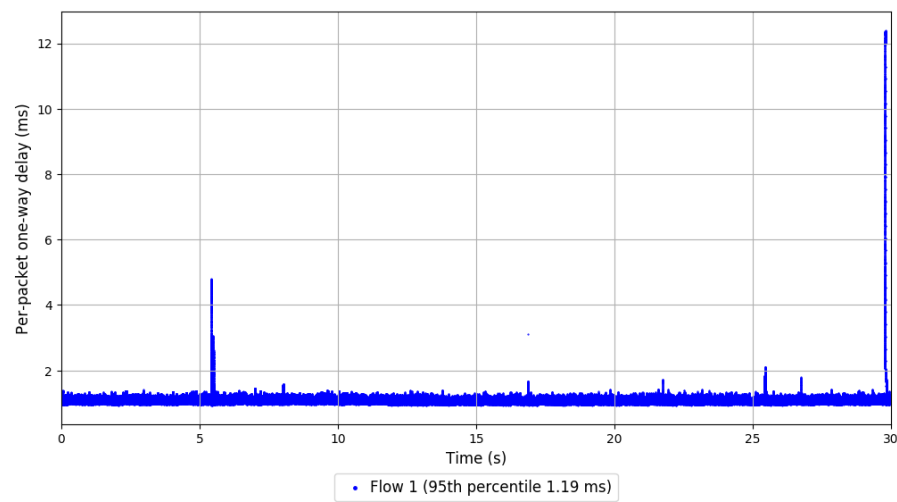
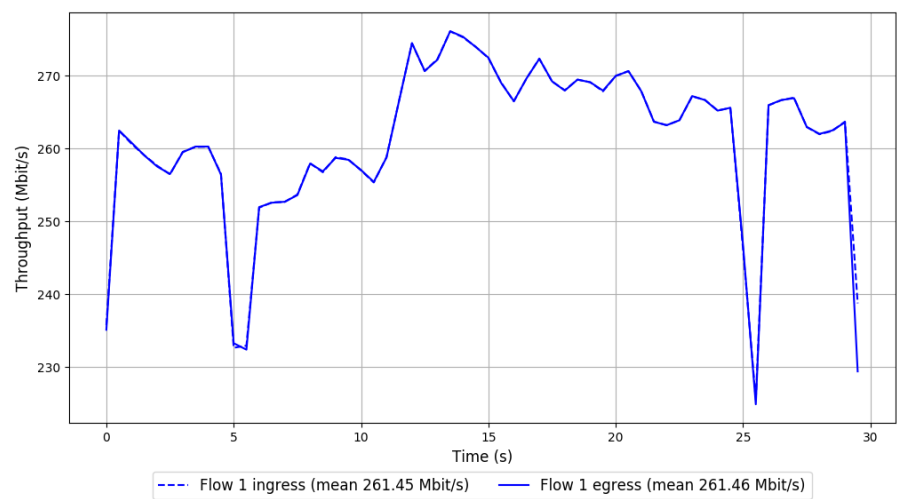
-- Flow 1:

Average throughput: 261.46 Mbit/s

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

Loss rate: 0.06%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-03-27 01:13:40

End at: 2018-03-27 01:14:10

Local clock offset: 3.87 ms

Remote clock offset: -6.285 ms

Below is generated by plot.py at 2018-03-27 11:16:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.65 Mbit/s

95th percentile per-packet one-way delay: 1.141 ms

Loss rate: 0.07%

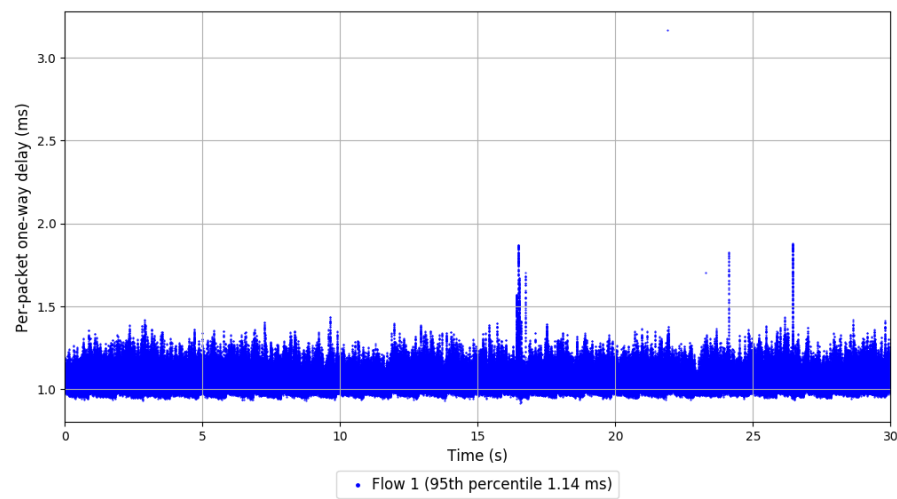
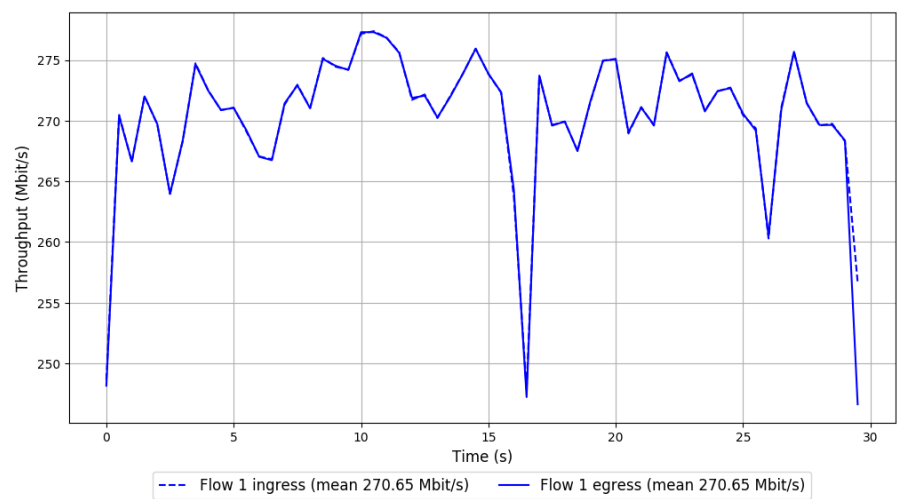
-- Flow 1:

Average throughput: 270.65 Mbit/s

95th percentile per-packet one-way delay: 1.141 ms

Loss rate: 0.07%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-27 01:41:13

End at: 2018-03-27 01:41:43

Local clock offset: -0.129 ms

Remote clock offset: -5.52 ms

Below is generated by plot.py at 2018-03-27 11:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.13 Mbit/s

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

Loss rate: 0.07%

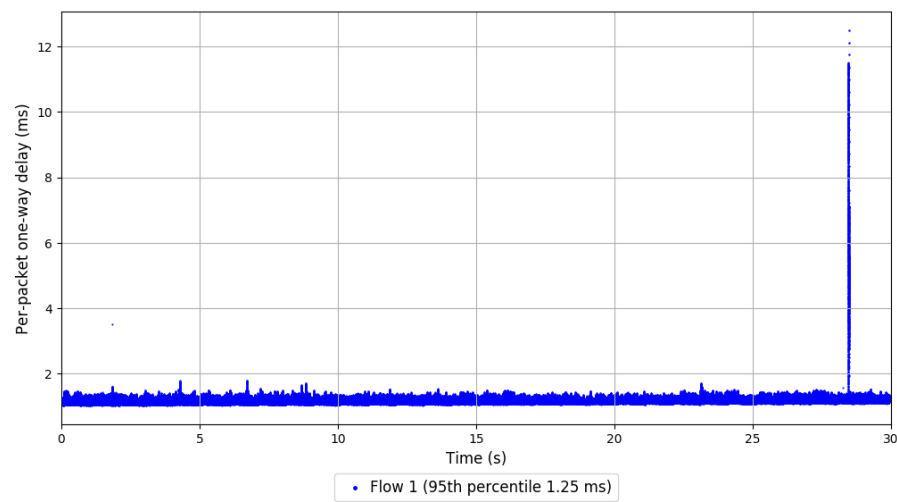
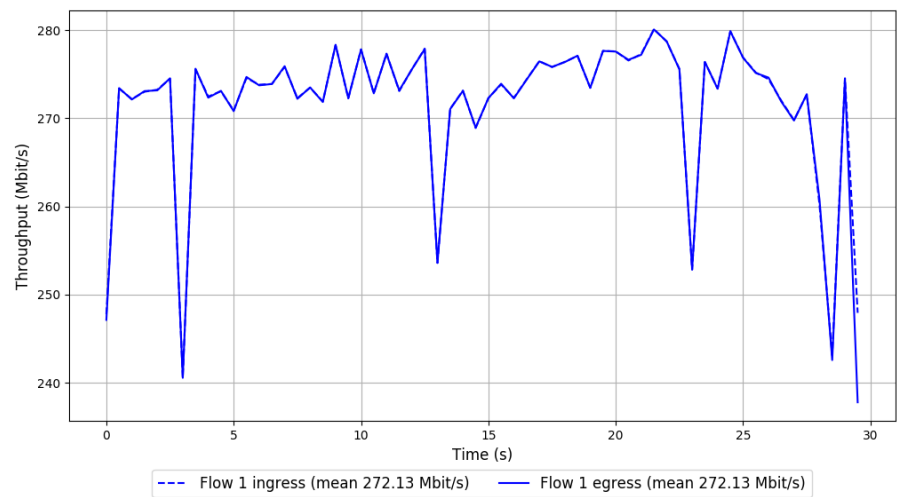
-- Flow 1:

Average throughput: 272.13 Mbit/s

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

Loss rate: 0.07%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-03-27 02:08:53

End at: 2018-03-27 02:09:23

Local clock offset: -0.768 ms

Remote clock offset: -5.032 ms

Below is generated by plot.py at 2018-03-27 11:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.14 Mbit/s

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

Loss rate: 0.07%

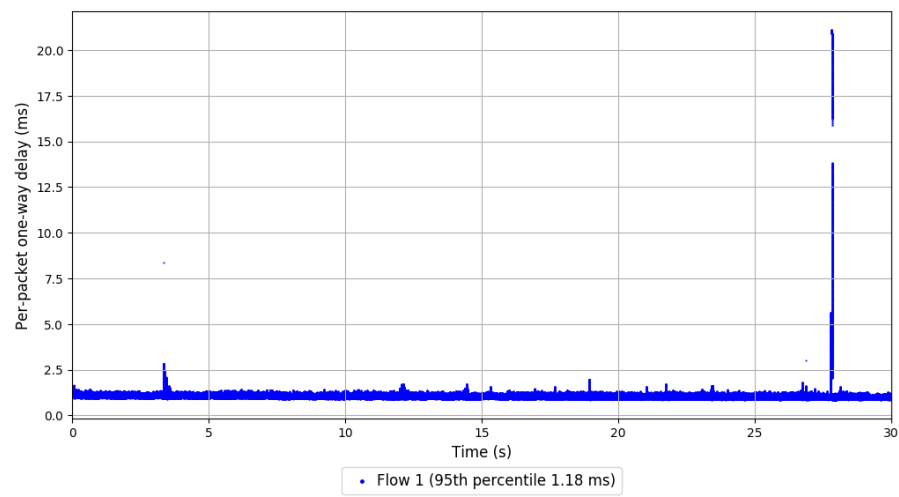
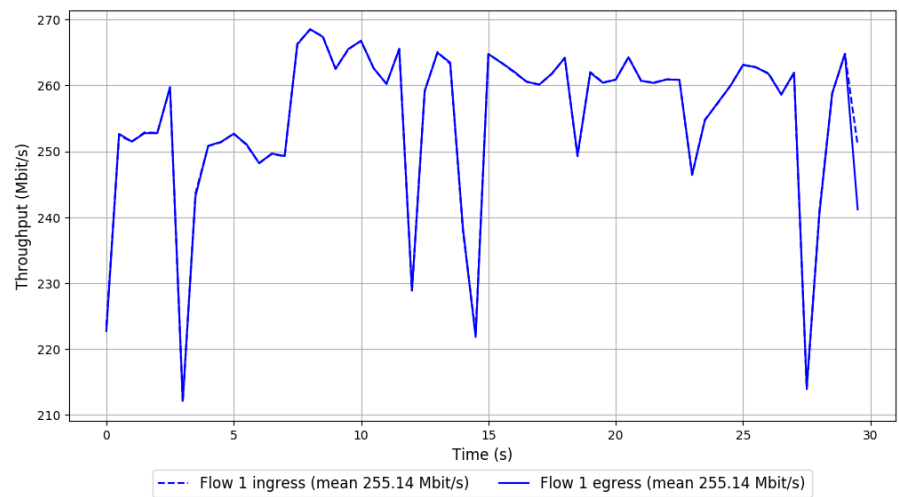
-- Flow 1:

Average throughput: 255.14 Mbit/s

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

Loss rate: 0.07%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-03-27 02:36:30

End at: 2018-03-27 02:37:00

Local clock offset: 5.607 ms

Remote clock offset: -6.384 ms

Below is generated by plot.py at 2018-03-27 11:16:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.60 Mbit/s

95th percentile per-packet one-way delay: 0.714 ms

Loss rate: 0.07%

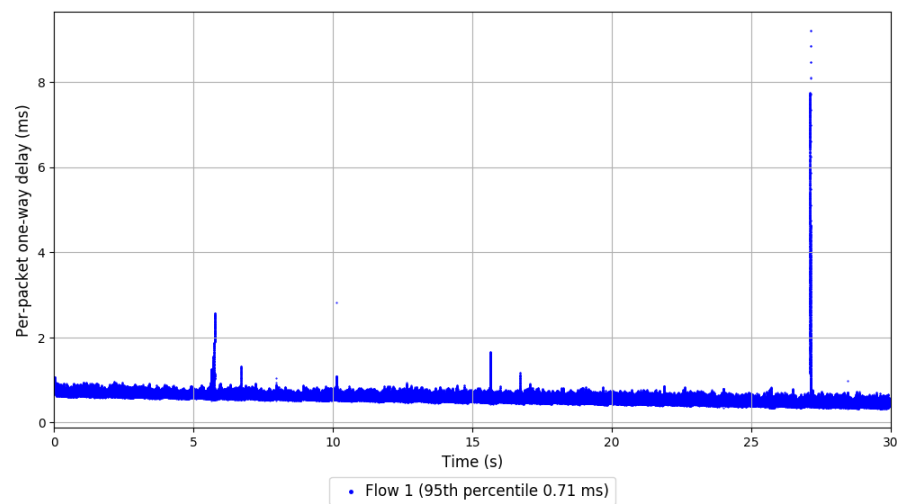
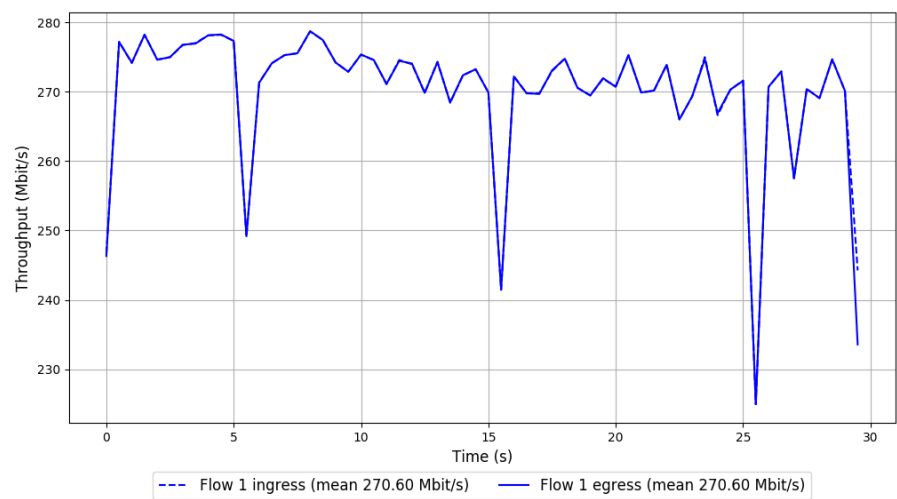
-- Flow 1:

Average throughput: 270.60 Mbit/s

95th percentile per-packet one-way delay: 0.714 ms

Loss rate: 0.07%

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

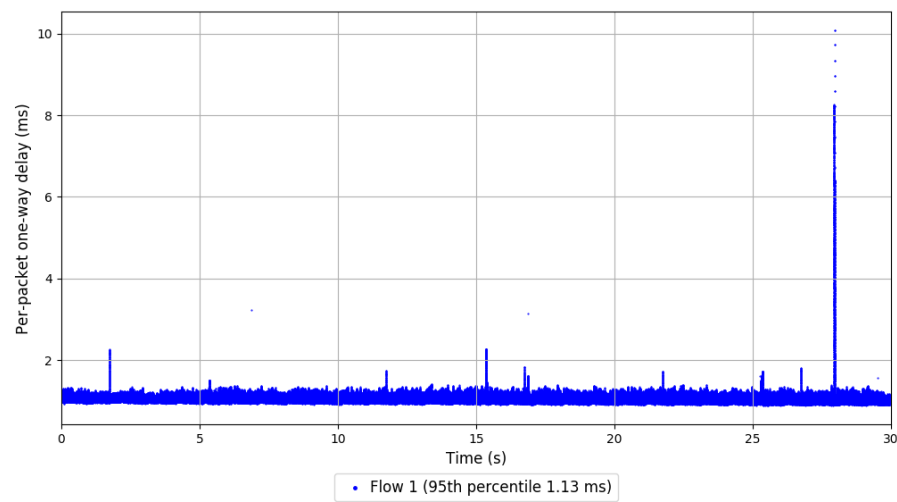
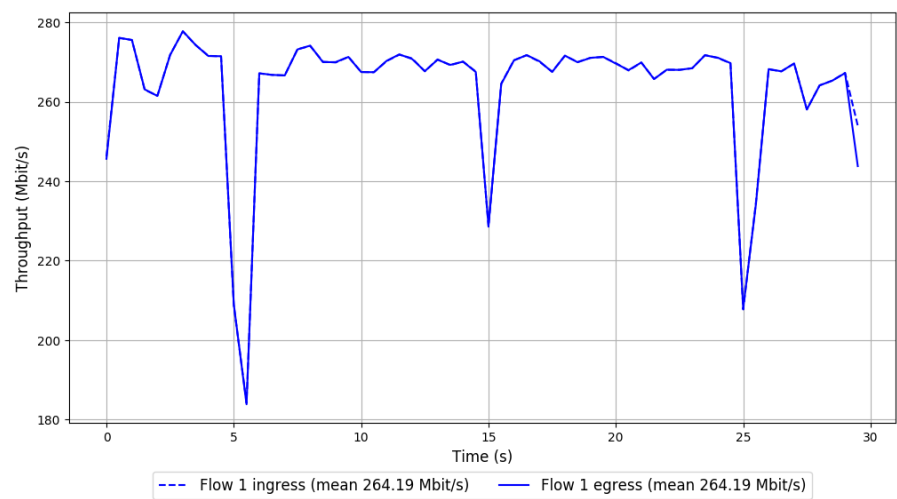


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-27 03:04:00
End at: 2018-03-27 03:04:30
Local clock offset: 12.671 ms
Remote clock offset: -4.986 ms

Below is generated by plot.py at 2018-03-27 11:16:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.19 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 264.19 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.07%

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

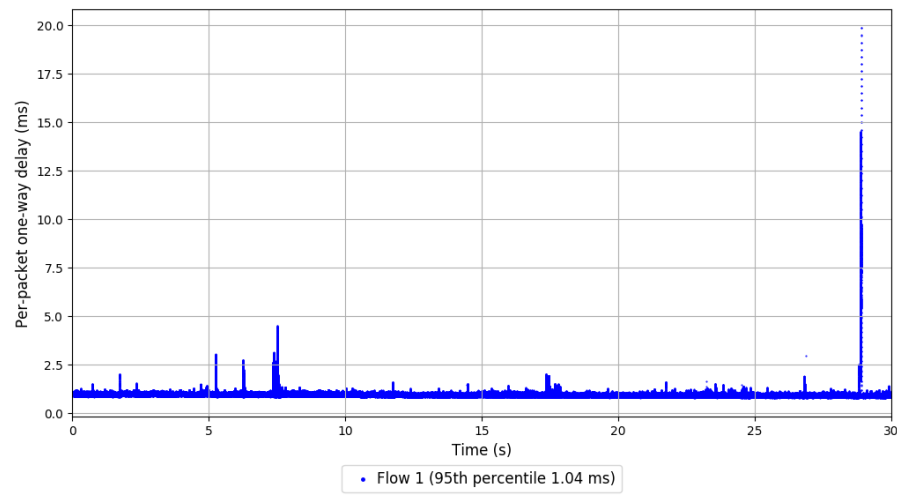
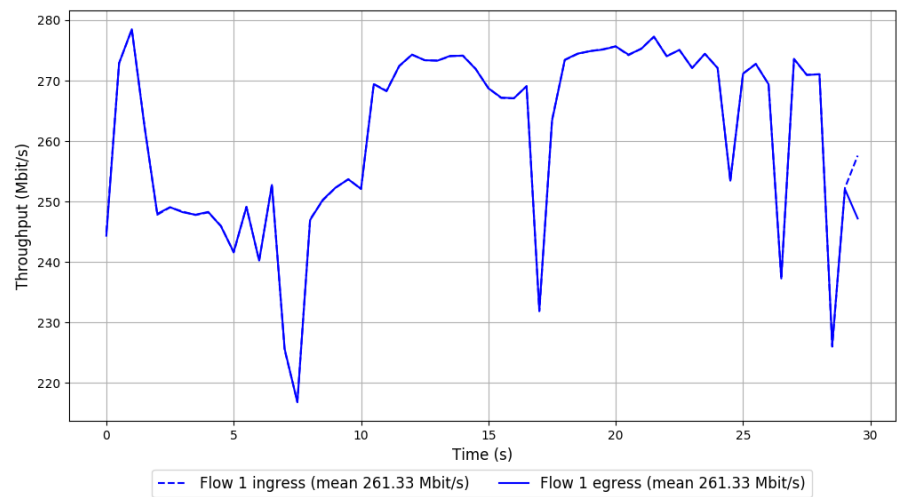


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-27 03:31:37
End at: 2018-03-27 03:32:07
Local clock offset: 15.882 ms
Remote clock offset: -5.095 ms

Below is generated by plot.py at 2018-03-27 11:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.33 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 261.33 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.07%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-27 04:11:23

End at: 2018-03-27 04:11:53

Local clock offset: -4.769 ms

Below is generated by plot.py at 2018-03-27 11:22:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.92 Mbit/s

95th percentile per-packet one-way delay: 1.524 ms

Loss rate: 0.06%

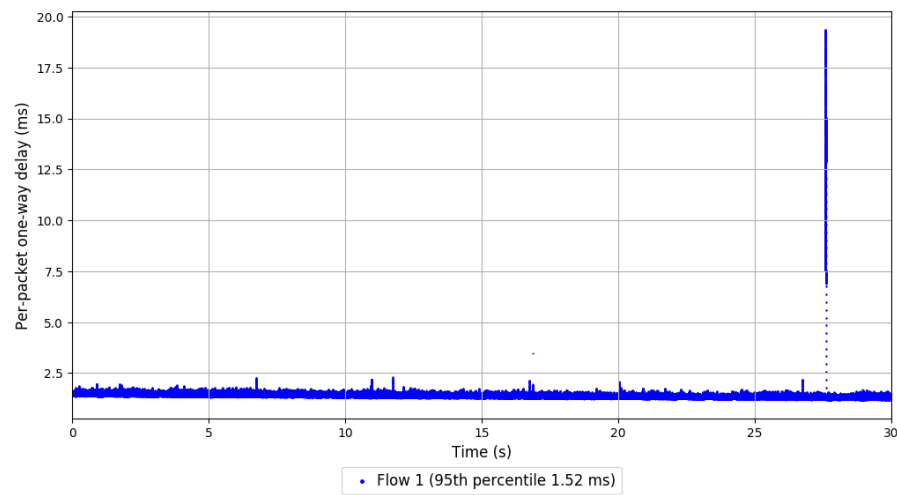
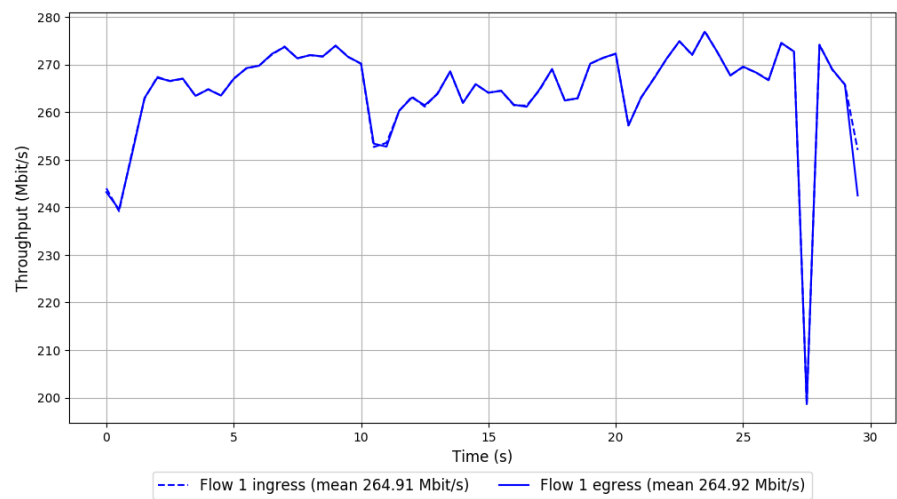
-- Flow 1:

Average throughput: 264.92 Mbit/s

95th percentile per-packet one-way delay: 1.524 ms

Loss rate: 0.06%

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

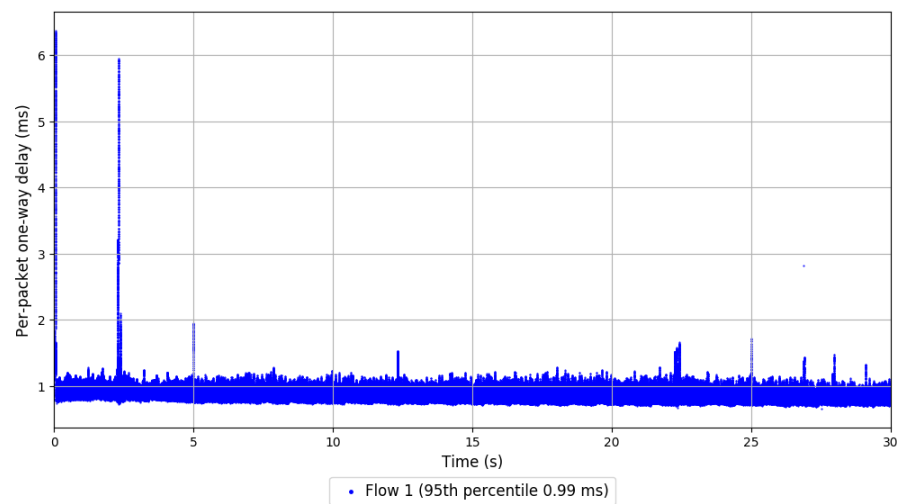
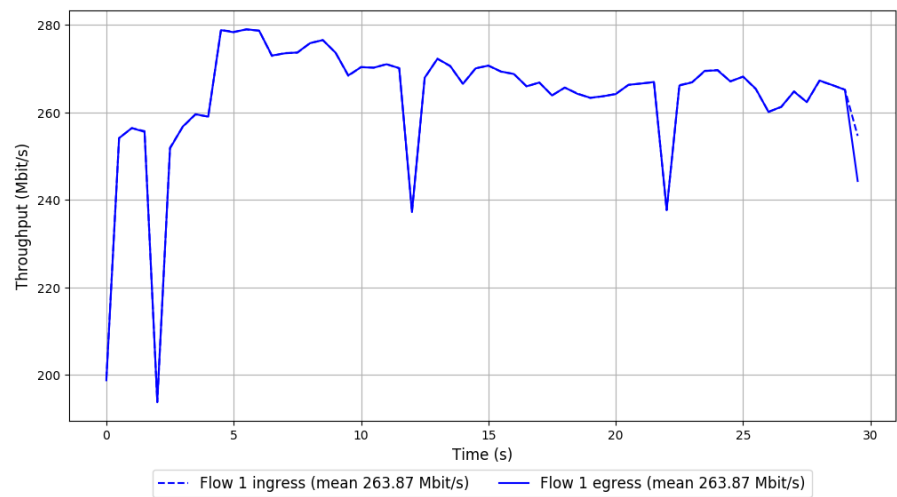


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-27 04:55:11
End at: 2018-03-27 04:55:41
Local clock offset: -1.812 ms
Remote clock offset: -6.592 ms

Below is generated by plot.py at 2018-03-27 11:23:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.87 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 263.87 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.07%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-03-27 05:22:37

End at: 2018-03-27 05:23:07

Local clock offset: -1.044 ms

Remote clock offset: -6.204 ms

Below is generated by plot.py at 2018-03-27 11:23:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.59 Mbit/s

95th percentile per-packet one-way delay: 1.131 ms

Loss rate: 0.07%

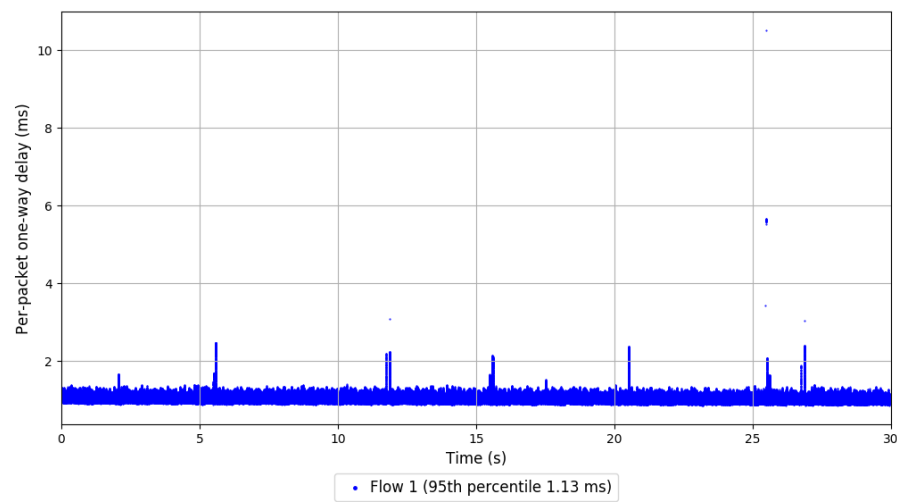
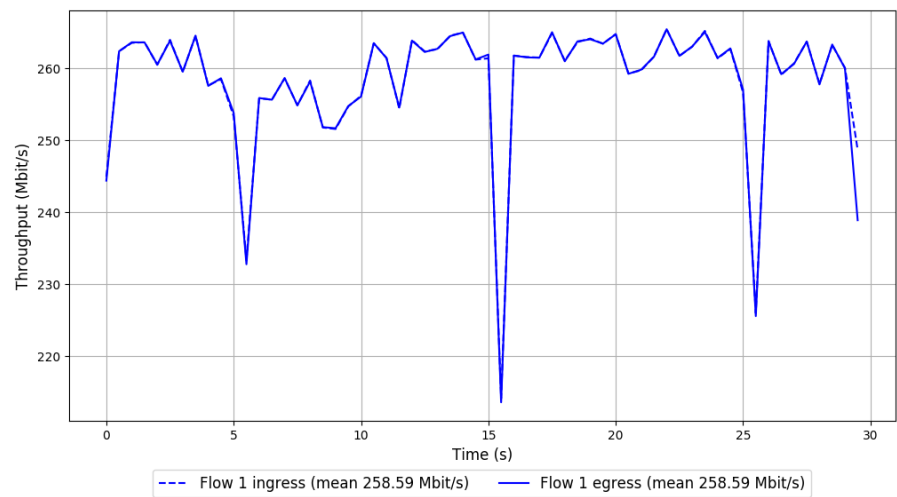
-- Flow 1:

Average throughput: 258.59 Mbit/s

95th percentile per-packet one-way delay: 1.131 ms

Loss rate: 0.07%

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

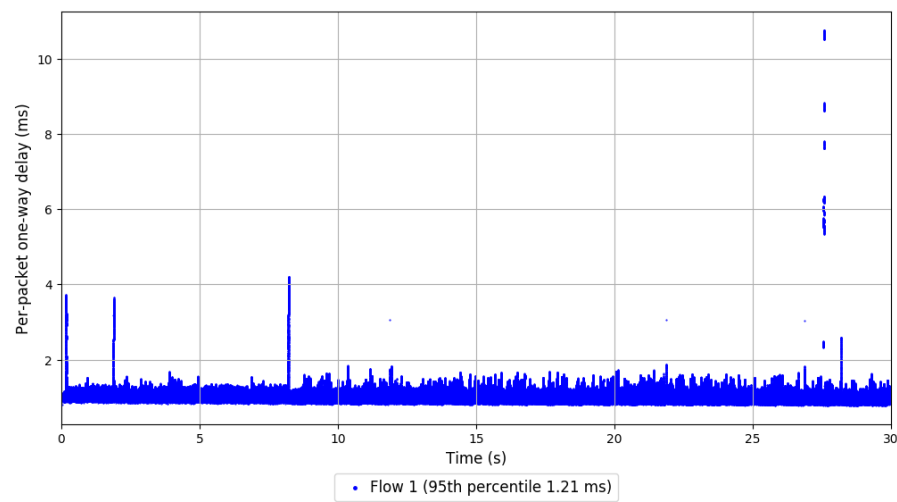
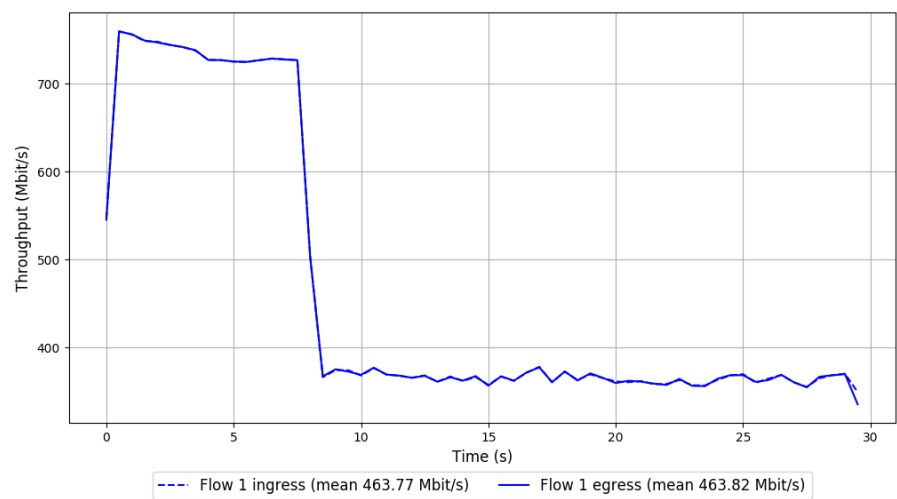


Run 1: Statistics of TCP Vegas

Start at: 2018-03-27 00:38:09
End at: 2018-03-27 00:38:39
Local clock offset: 3.748 ms
Remote clock offset: -6.472 ms

Below is generated by plot.py at 2018-03-27 11:23:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 463.82 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 463.82 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.05%

Run 1: Report of TCP Vegas — Data Link

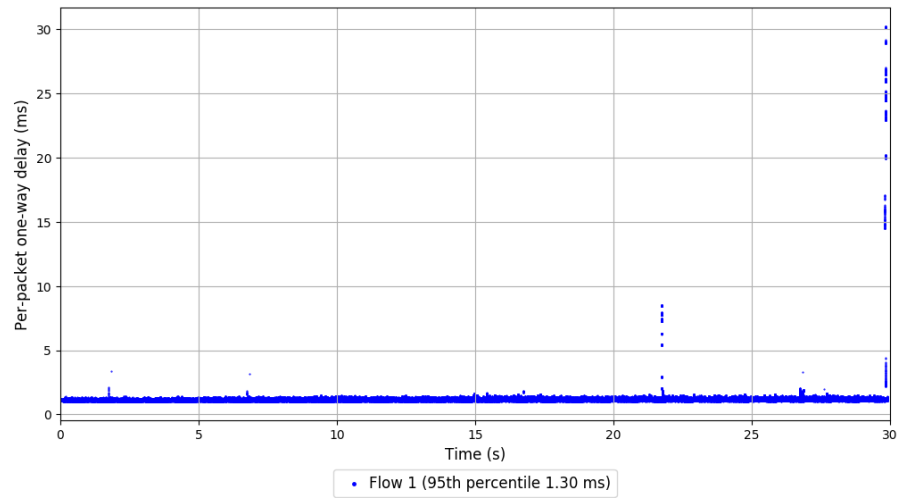
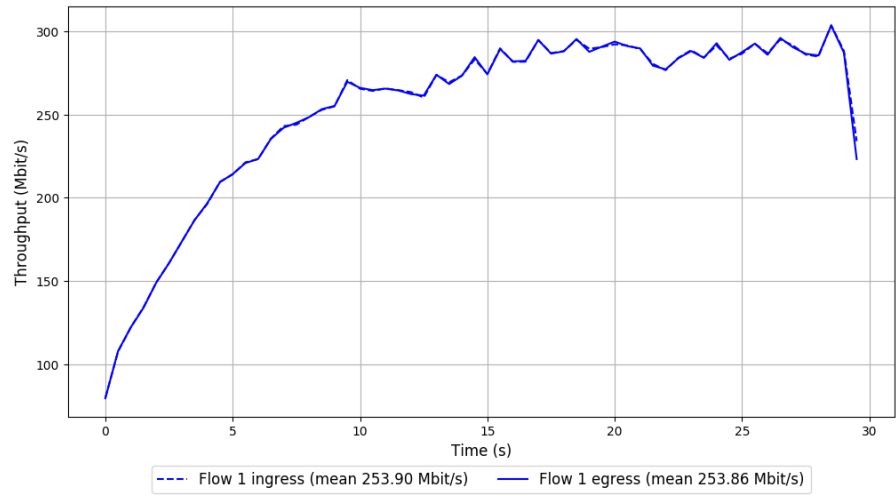


Run 2: Statistics of TCP Vegas

Start at: 2018-03-27 01:05:47
End at: 2018-03-27 01:06:17
Local clock offset: 3.798 ms
Remote clock offset: -6.665 ms

Below is generated by plot.py at 2018-03-27 11:23:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.86 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 253.86 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link

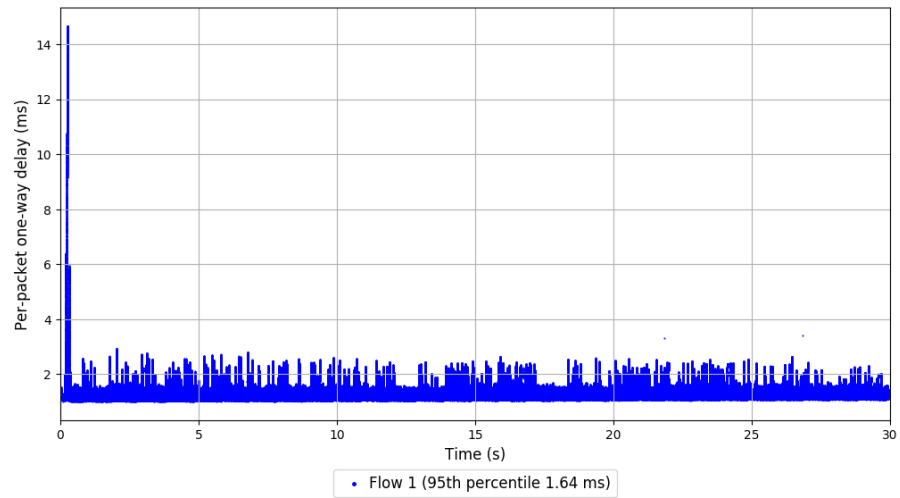
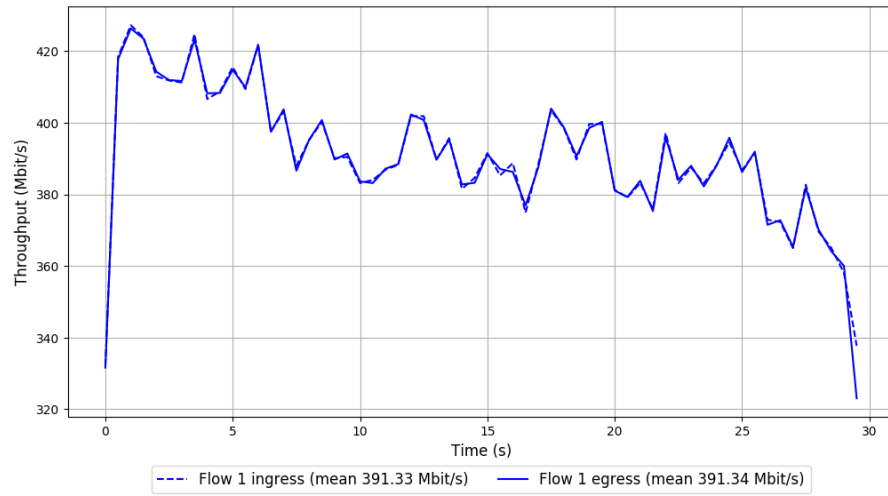


Run 3: Statistics of TCP Vegas

Start at: 2018-03-27 01:33:12
End at: 2018-03-27 01:33:42
Local clock offset: 0.659 ms
Remote clock offset: -5.993 ms

Below is generated by plot.py at 2018-03-27 11:23:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 391.34 Mbit/s
95th percentile per-packet one-way delay: 1.641 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 391.34 Mbit/s
95th percentile per-packet one-way delay: 1.641 ms
Loss rate: 0.06%

Run 3: Report of TCP Vegas — Data Link

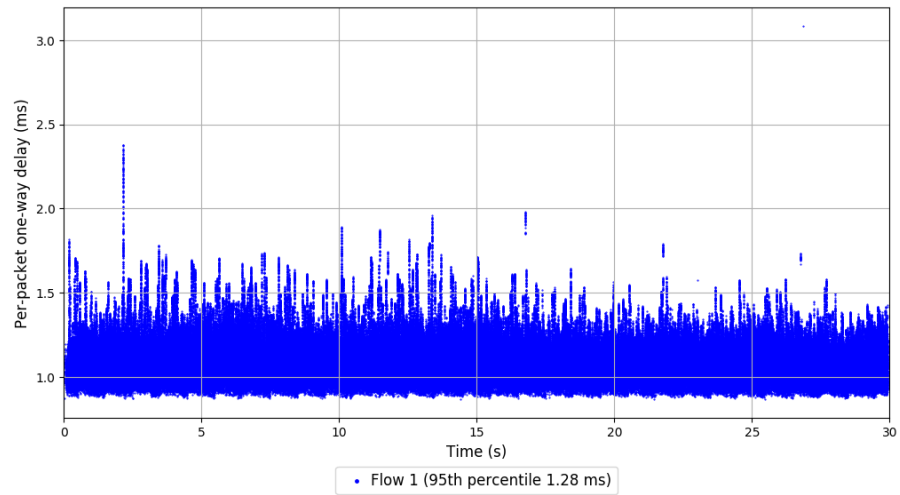
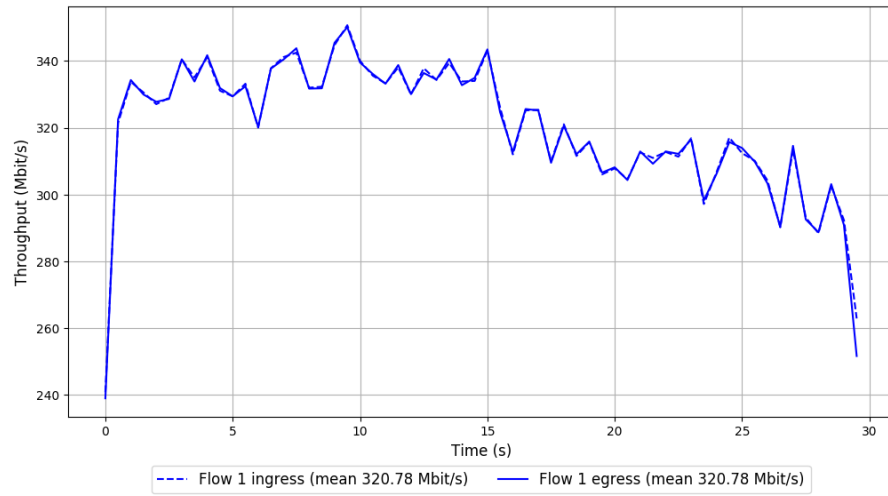


Run 4: Statistics of TCP Vegas

Start at: 2018-03-27 02:00:53
End at: 2018-03-27 02:01:23
Local clock offset: -0.809 ms
Remote clock offset: -5.066 ms

Below is generated by plot.py at 2018-03-27 11:23:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 320.78 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 320.78 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.07%

Run 4: Report of TCP Vegas — Data Link

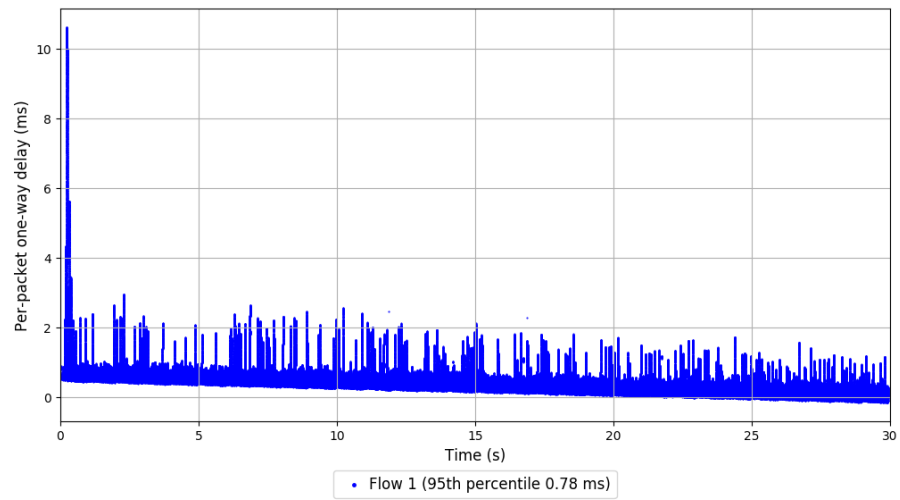
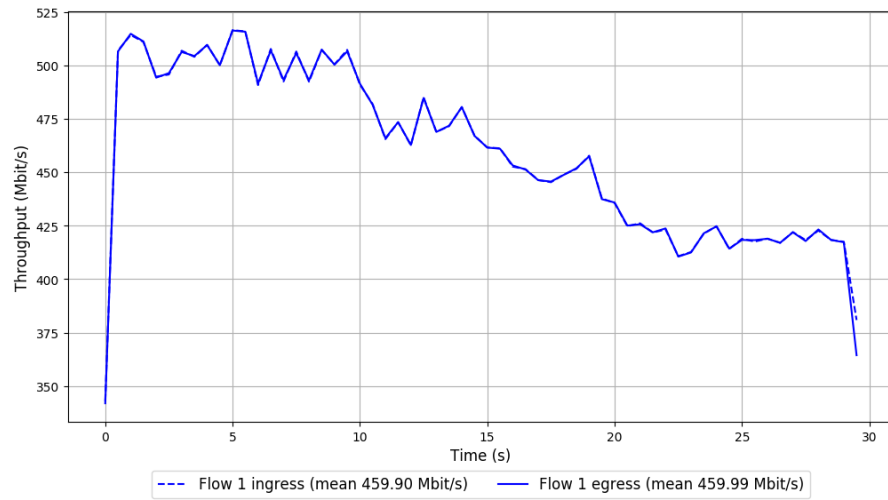


Run 5: Statistics of TCP Vegas

Start at: 2018-03-27 02:28:32
End at: 2018-03-27 02:29:02
Local clock offset: -1.315 ms
Remote clock offset: -6.247 ms

Below is generated by plot.py at 2018-03-27 11:26:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 459.99 Mbit/s
95th percentile per-packet one-way delay: 0.782 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 459.99 Mbit/s
95th percentile per-packet one-way delay: 0.782 ms
Loss rate: 0.06%

Run 5: Report of TCP Vegas — Data Link

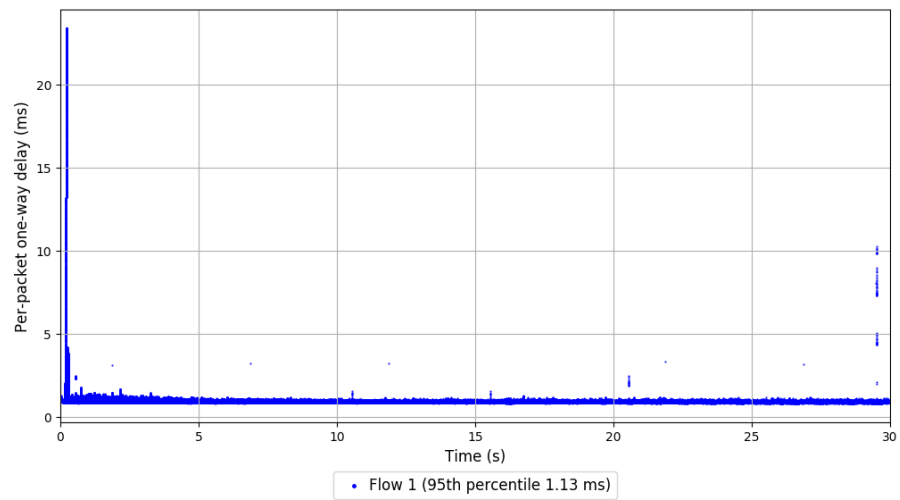
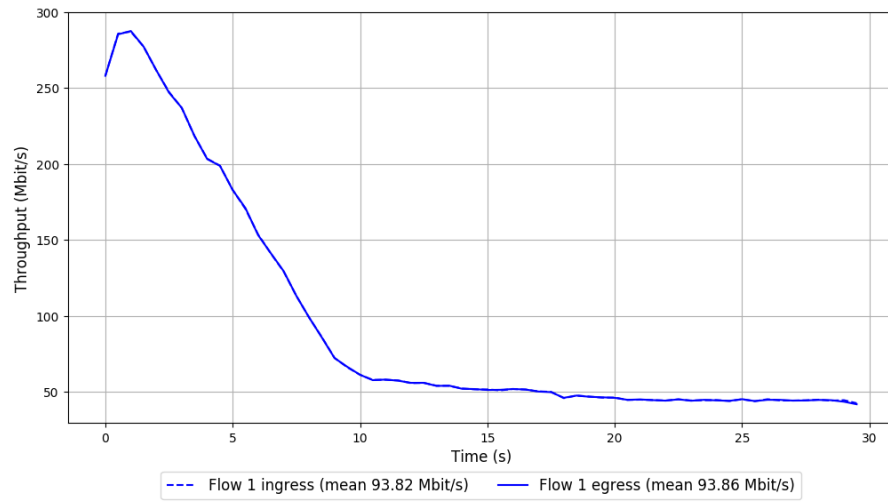


Run 6: Statistics of TCP Vegas

Start at: 2018-03-27 02:56:09
End at: 2018-03-27 02:56:39
Local clock offset: 11.571 ms
Remote clock offset: -5.195 ms

Below is generated by plot.py at 2018-03-27 11:26:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.03%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-03-27 03:23:36

End at: 2018-03-27 03:24:06

Local clock offset: 14.978 ms

Remote clock offset: -5.04 ms

Below is generated by plot.py at 2018-03-27 11:26:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.69 Mbit/s

95th percentile per-packet one-way delay: 1.275 ms

Loss rate: 0.07%

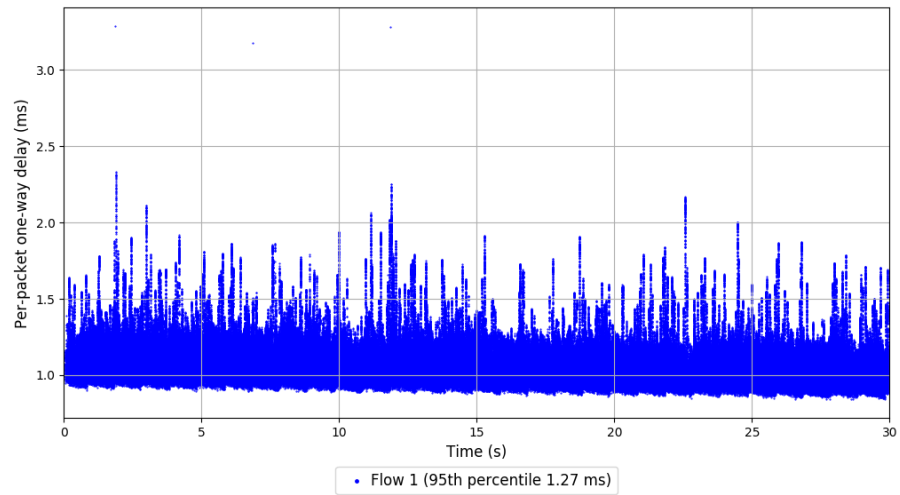
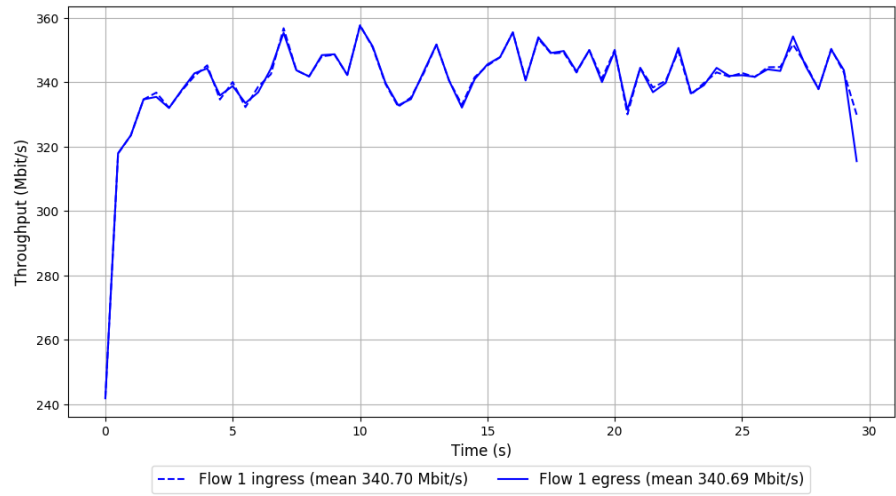
-- Flow 1:

Average throughput: 340.69 Mbit/s

95th percentile per-packet one-way delay: 1.275 ms

Loss rate: 0.07%

Run 7: Report of TCP Vegas — Data Link

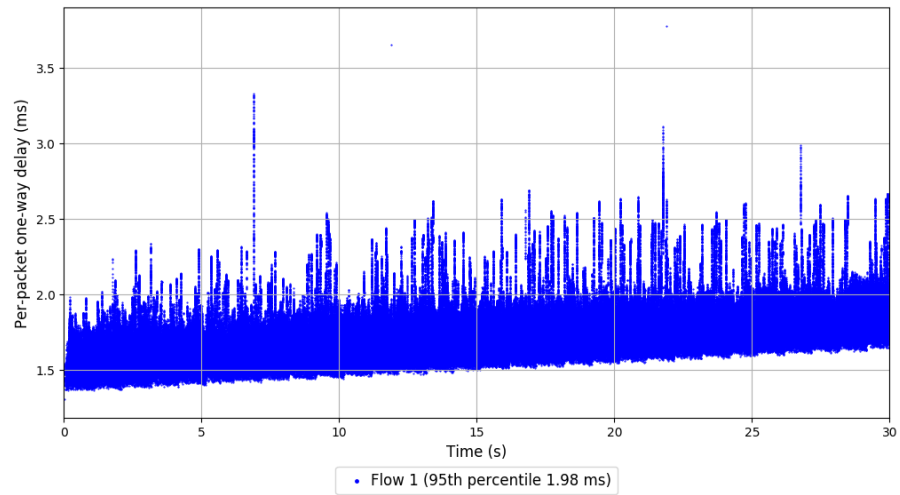
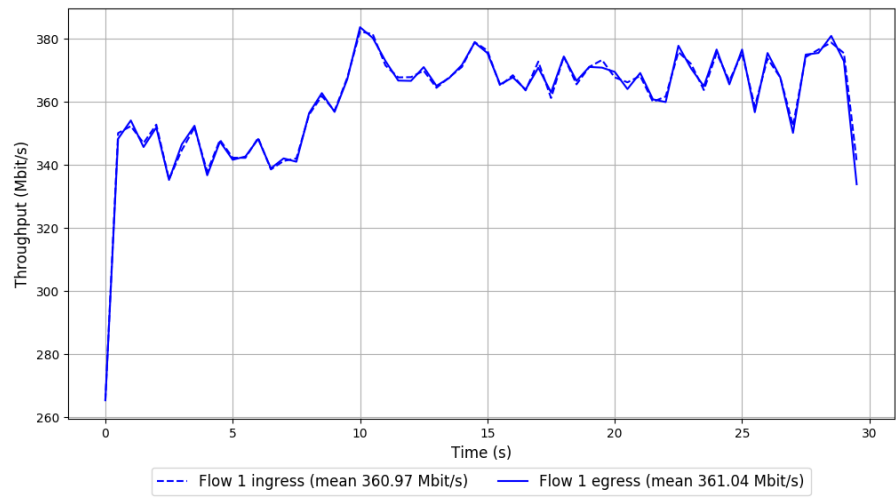


Run 8: Statistics of TCP Vegas

Start at: 2018-03-27 03:51:20
End at: 2018-03-27 03:51:50
Local clock offset: 1.059 ms
Remote clock offset: -5.152 ms

Below is generated by plot.py at 2018-03-27 11:26:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.04 Mbit/s
95th percentile per-packet one-way delay: 1.975 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 361.04 Mbit/s
95th percentile per-packet one-way delay: 1.975 ms
Loss rate: 0.05%

Run 8: Report of TCP Vegas — Data Link

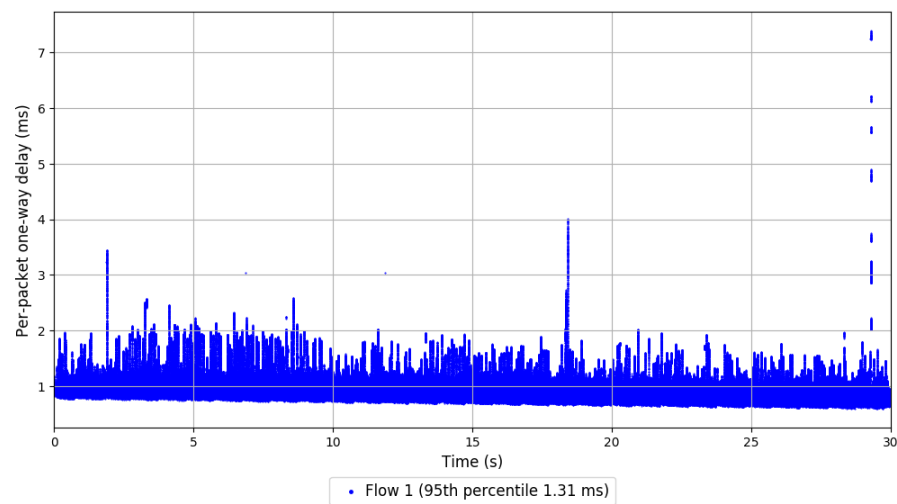
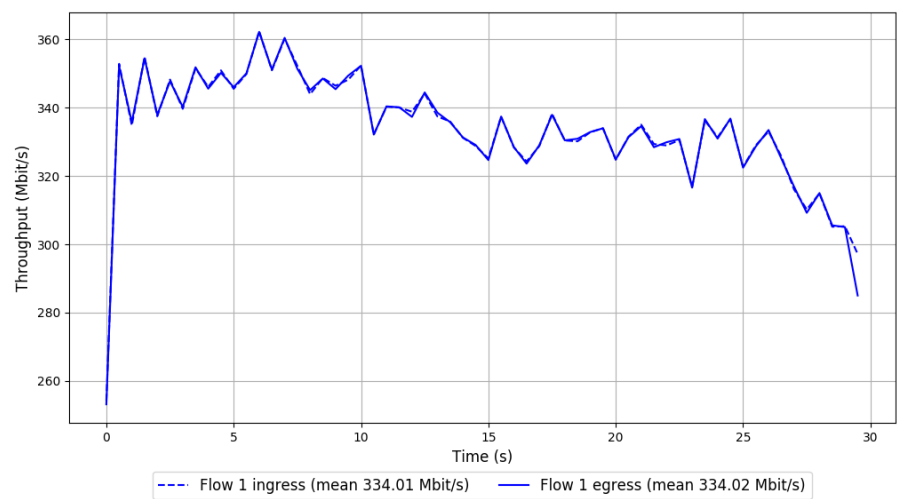


Run 9: Statistics of TCP Vegas

Start at: 2018-03-27 04:47:20
End at: 2018-03-27 04:47:50
Local clock offset: -3.515 ms
Remote clock offset: -6.462 ms

Below is generated by plot.py at 2018-03-27 11:27:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.02 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 334.02 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.07%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-27 05:14:44

End at: 2018-03-27 05:15:14

Local clock offset: -1.248 ms

Remote clock offset: -6.319 ms

Below is generated by plot.py at 2018-03-27 11:27:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.95 Mbit/s

95th percentile per-packet one-way delay: 1.535 ms

Loss rate: 0.08%

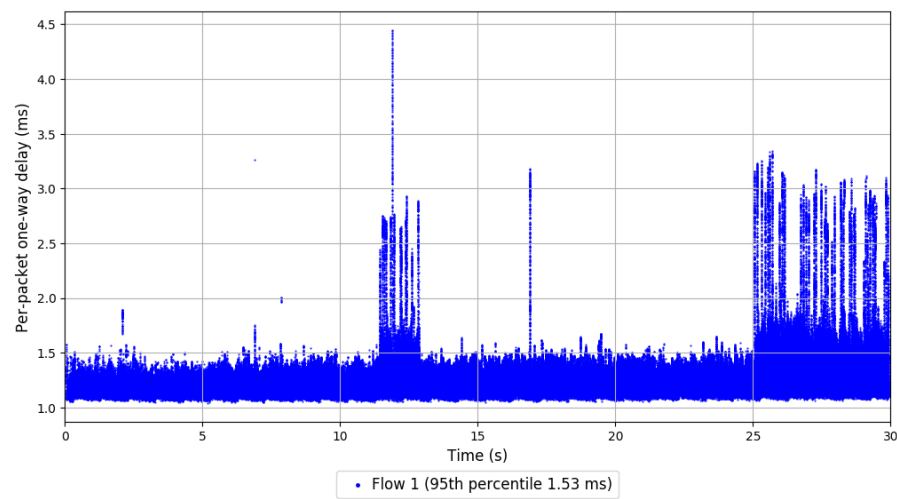
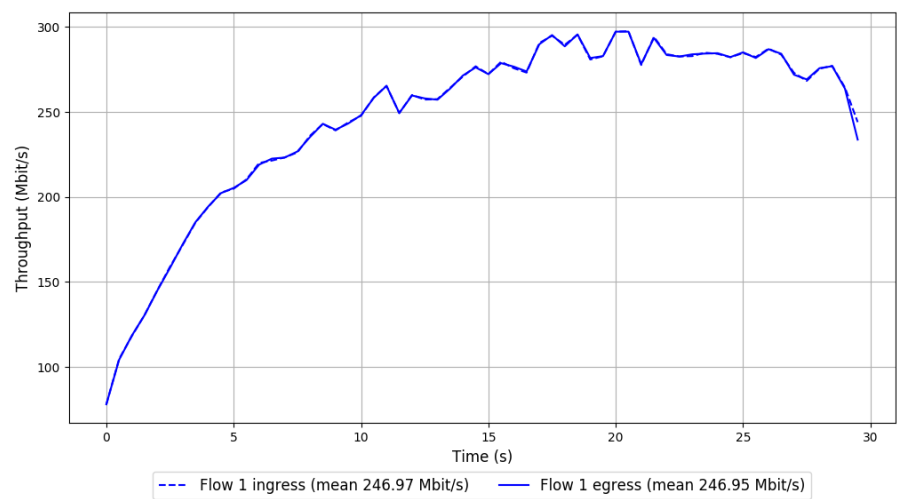
-- Flow 1:

Average throughput: 246.95 Mbit/s

95th percentile per-packet one-way delay: 1.535 ms

Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link

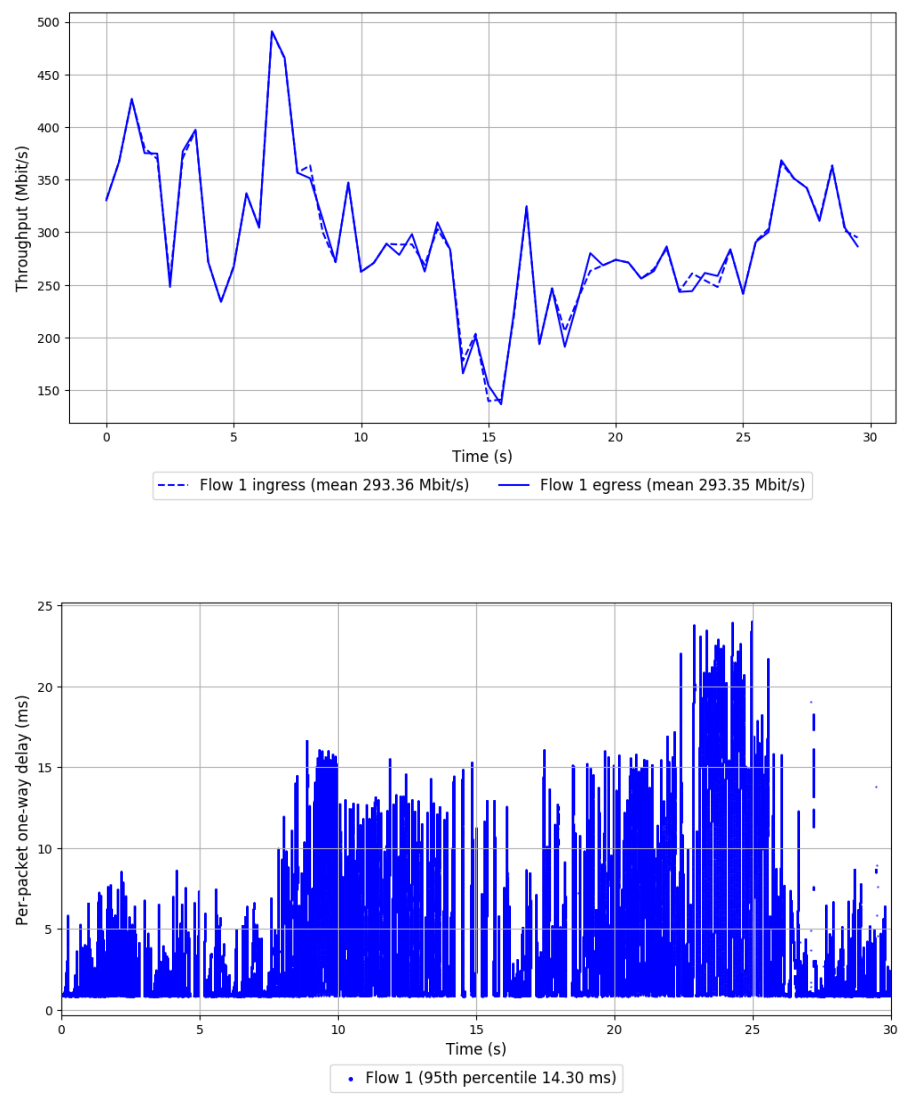


Run 1: Statistics of Verus

Start at: 2018-03-27 00:51:59
End at: 2018-03-27 00:52:29
Local clock offset: 3.852 ms
Remote clock offset: -6.906 ms

Below is generated by plot.py at 2018-03-27 11:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 293.35 Mbit/s
95th percentile per-packet one-way delay: 14.298 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 293.35 Mbit/s
95th percentile per-packet one-way delay: 14.298 ms
Loss rate: 0.06%

Run 1: Report of Verus — Data Link

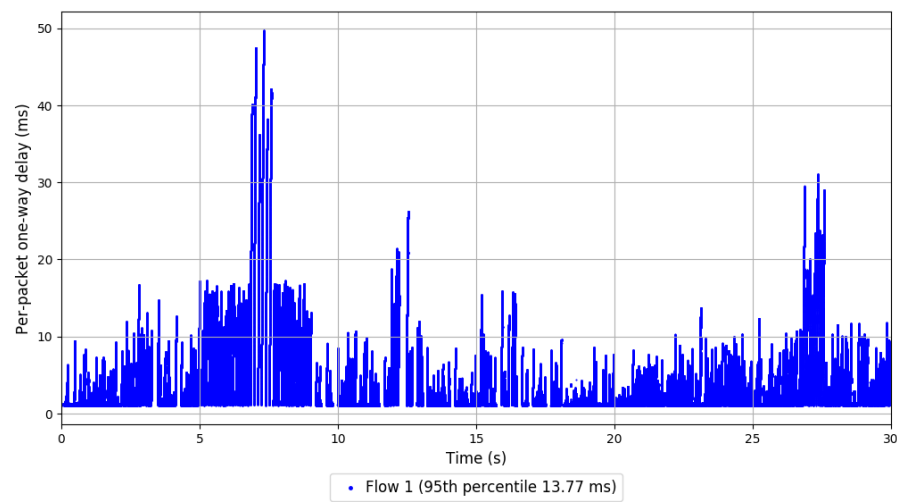
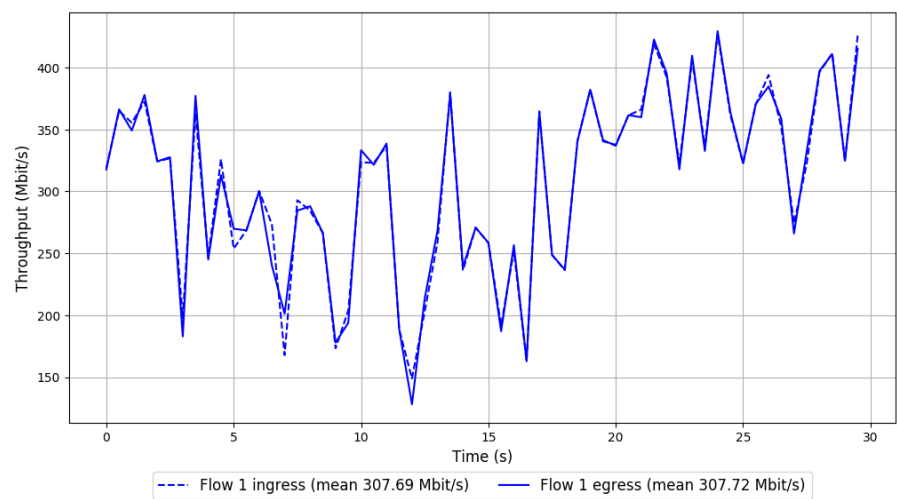


Run 2: Statistics of Verus

Start at: 2018-03-27 01:19:28
End at: 2018-03-27 01:19:58
Local clock offset: 4.003 ms
Remote clock offset: -6.174 ms

Below is generated by plot.py at 2018-03-27 11:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.72 Mbit/s
95th percentile per-packet one-way delay: 13.769 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 307.72 Mbit/s
95th percentile per-packet one-way delay: 13.769 ms
Loss rate: 0.06%

Run 2: Report of Verus — Data Link

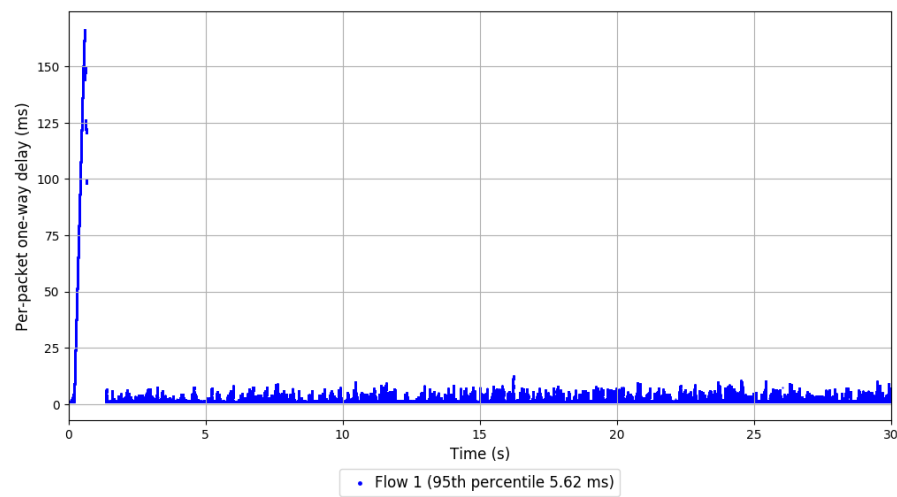
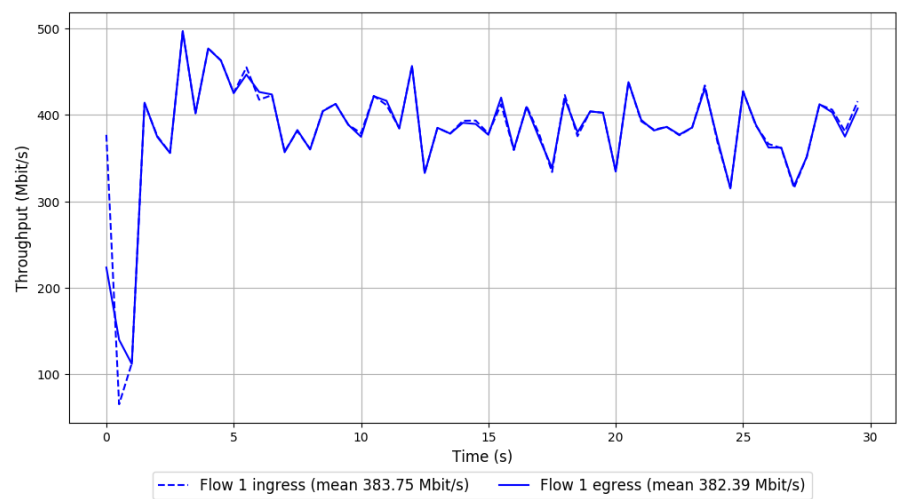


Run 3: Statistics of Verus

Start at: 2018-03-27 01:47:00
End at: 2018-03-27 01:47:30
Local clock offset: -0.604 ms
Remote clock offset: -5.347 ms

Below is generated by plot.py at 2018-03-27 11:28:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 382.39 Mbit/s
95th percentile per-packet one-way delay: 5.622 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 382.39 Mbit/s
95th percentile per-packet one-way delay: 5.622 ms
Loss rate: 0.42%

Run 3: Report of Verus — Data Link

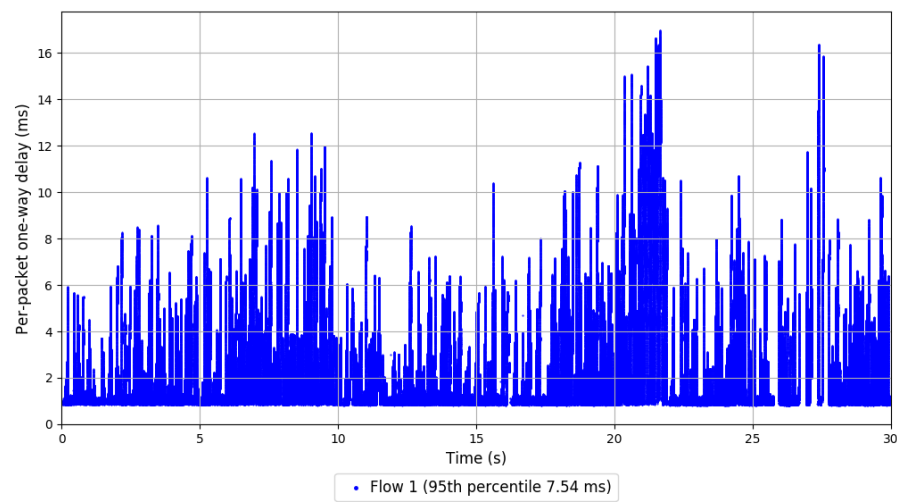
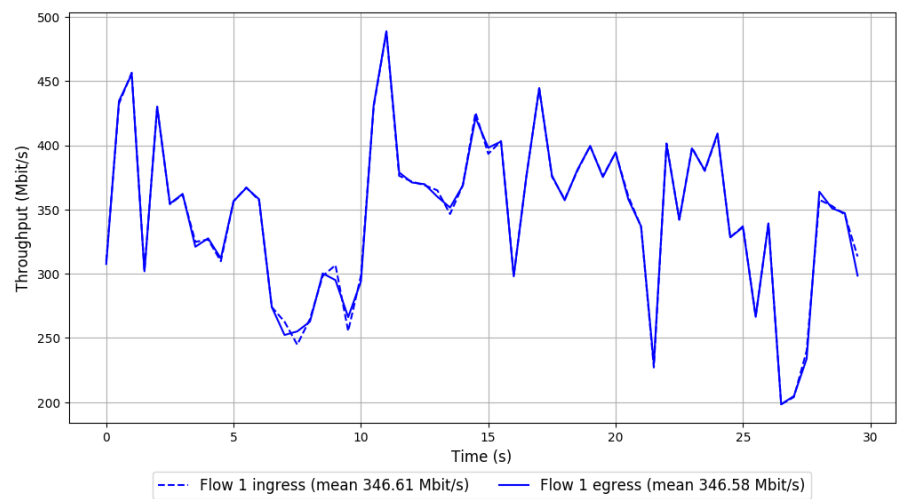


Run 4: Statistics of Verus

Start at: 2018-03-27 02:14:39
End at: 2018-03-27 02:15:09
Local clock offset: -0.889 ms
Remote clock offset: -5.577 ms

Below is generated by plot.py at 2018-03-27 11:31:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 346.58 Mbit/s
95th percentile per-packet one-way delay: 7.545 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 346.58 Mbit/s
95th percentile per-packet one-way delay: 7.545 ms
Loss rate: 0.08%

Run 4: Report of Verus — Data Link

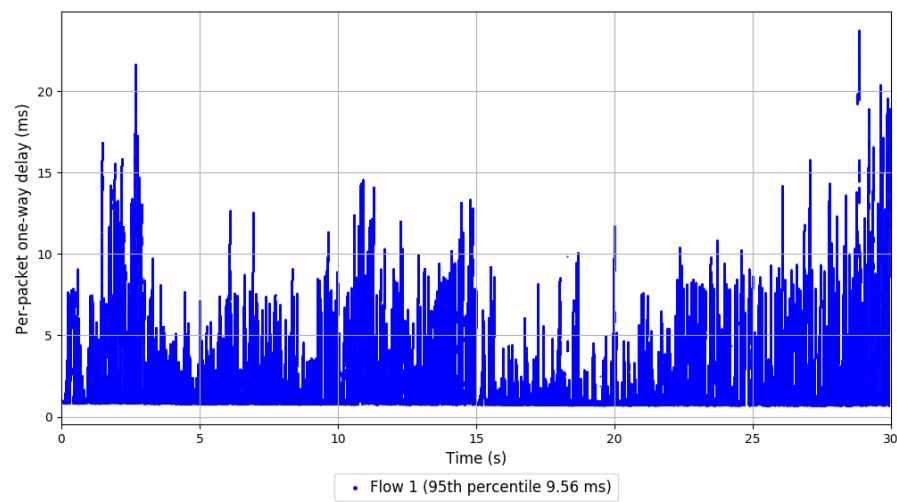
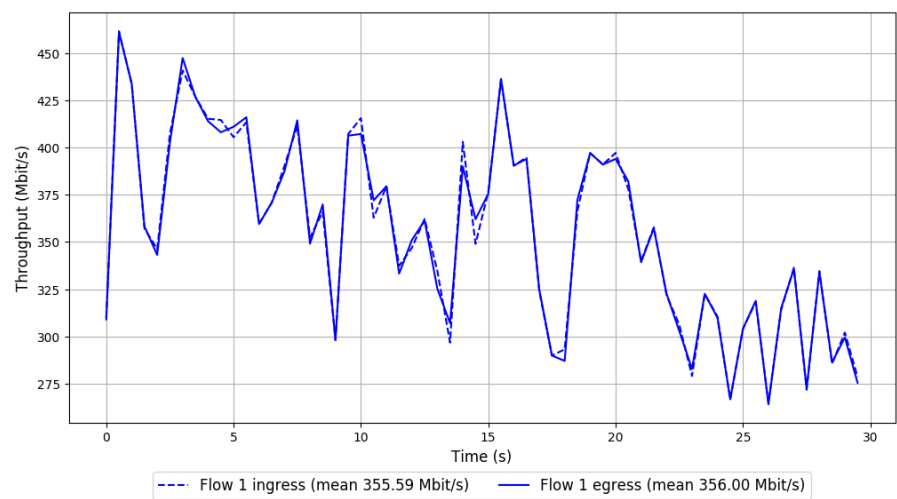


Run 5: Statistics of Verus

Start at: 2018-03-27 02:42:17
End at: 2018-03-27 02:42:47
Local clock offset: 8.335 ms
Remote clock offset: -6.466 ms

Below is generated by plot.py at 2018-03-27 11:32:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 356.00 Mbit/s
95th percentile per-packet one-way delay: 9.564 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 356.00 Mbit/s
95th percentile per-packet one-way delay: 9.564 ms
Loss rate: 0.03%

Run 5: Report of Verus — Data Link

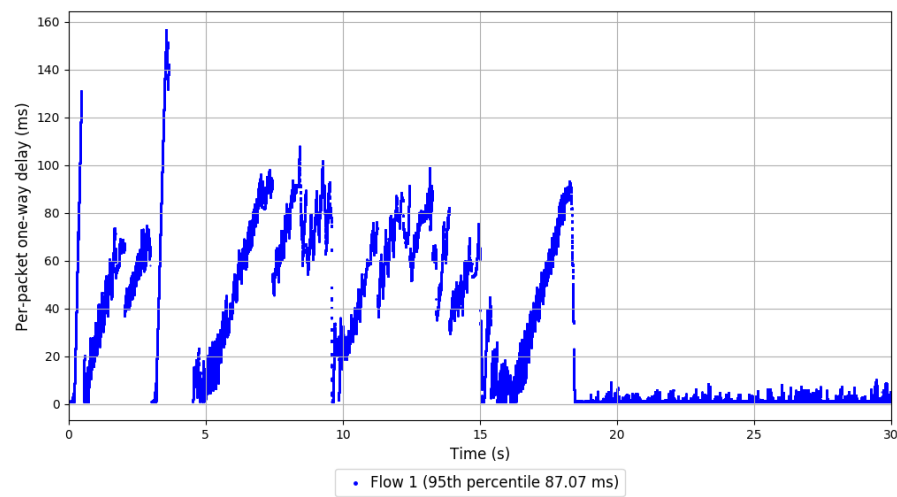
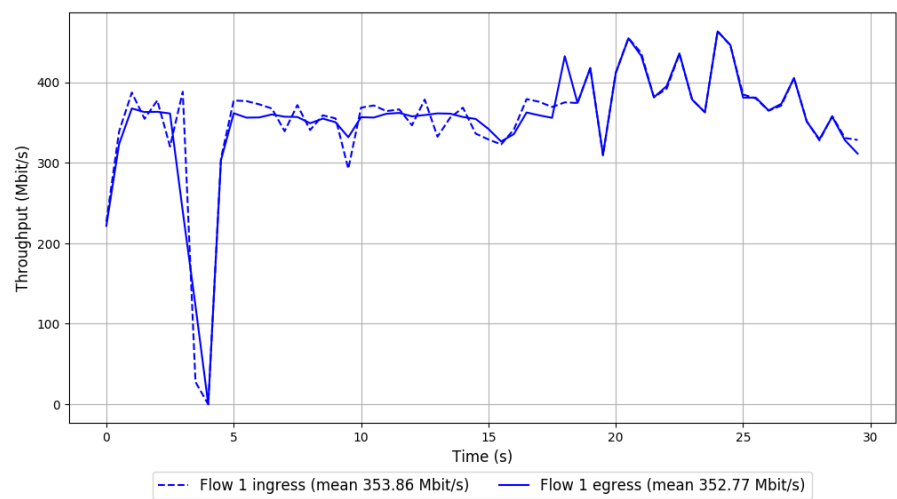


Run 6: Statistics of Verus

Start at: 2018-03-27 03:09:45
End at: 2018-03-27 03:10:15
Local clock offset: 13.389 ms
Remote clock offset: -4.849 ms

Below is generated by plot.py at 2018-03-27 11:32:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 352.77 Mbit/s
95th percentile per-packet one-way delay: 87.072 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 352.77 Mbit/s
95th percentile per-packet one-way delay: 87.072 ms
Loss rate: 0.38%

Run 6: Report of Verus — Data Link

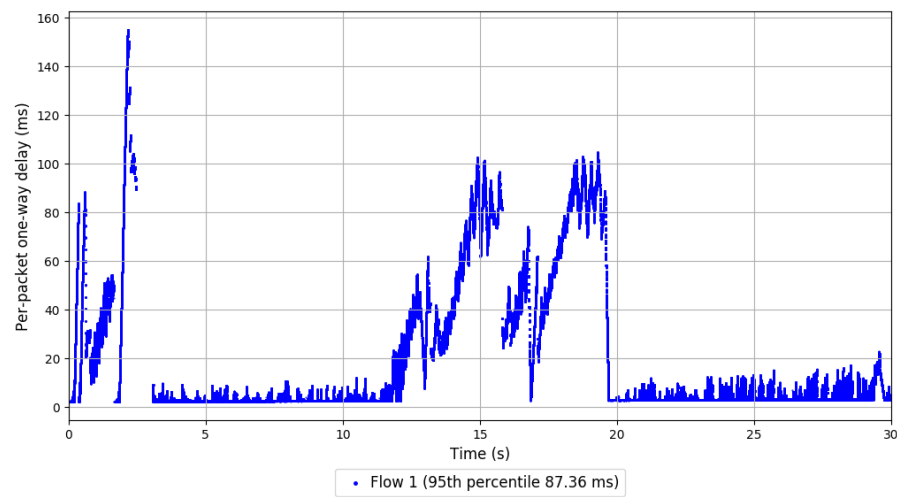
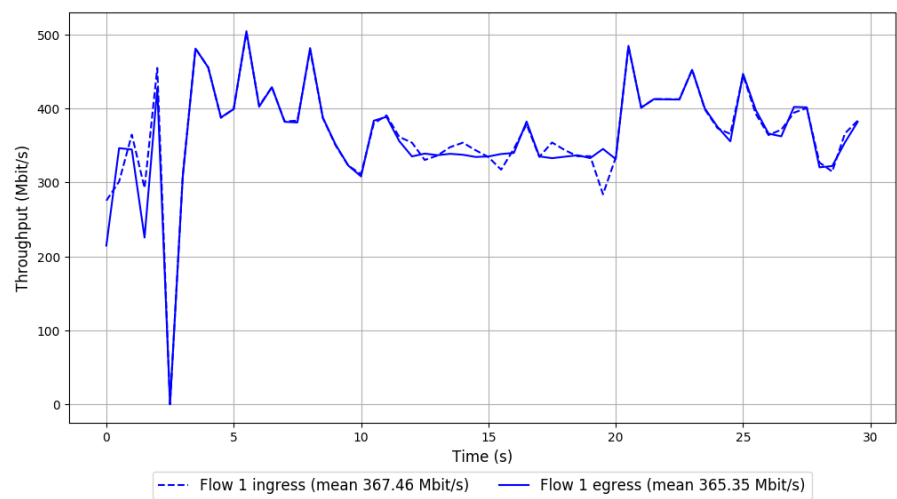


Run 7: Statistics of Verus

Start at: 2018-03-27 03:37:25
End at: 2018-03-27 03:37:55
Local clock offset: 15.81 ms
Remote clock offset: -5.154 ms

Below is generated by plot.py at 2018-03-27 11:32:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 365.35 Mbit/s
95th percentile per-packet one-way delay: 87.360 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 365.35 Mbit/s
95th percentile per-packet one-way delay: 87.360 ms
Loss rate: 0.65%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-03-27 04:26:50

End at: 2018-03-27 04:27:20

Local clock offset: -2.972 ms

Below is generated by plot.py at 2018-03-27 11:32:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 392.43 Mbit/s

95th percentile per-packet one-way delay: 5.822 ms

Loss rate: 0.28%

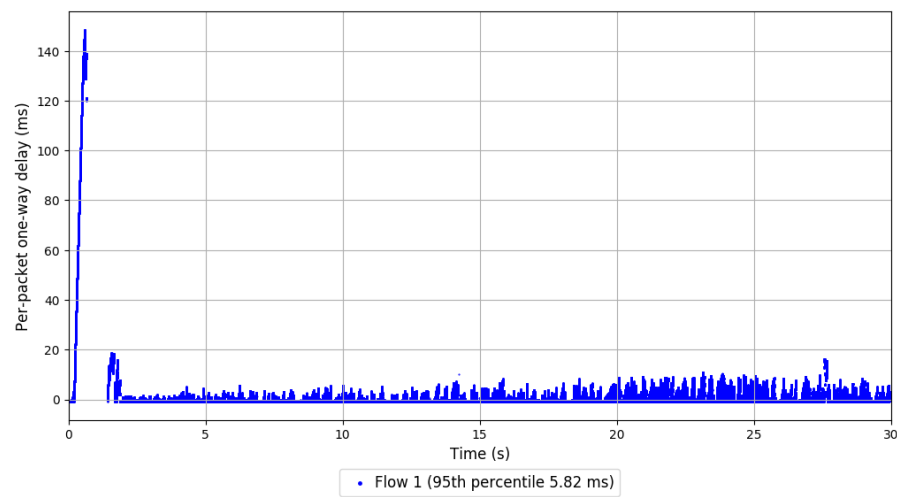
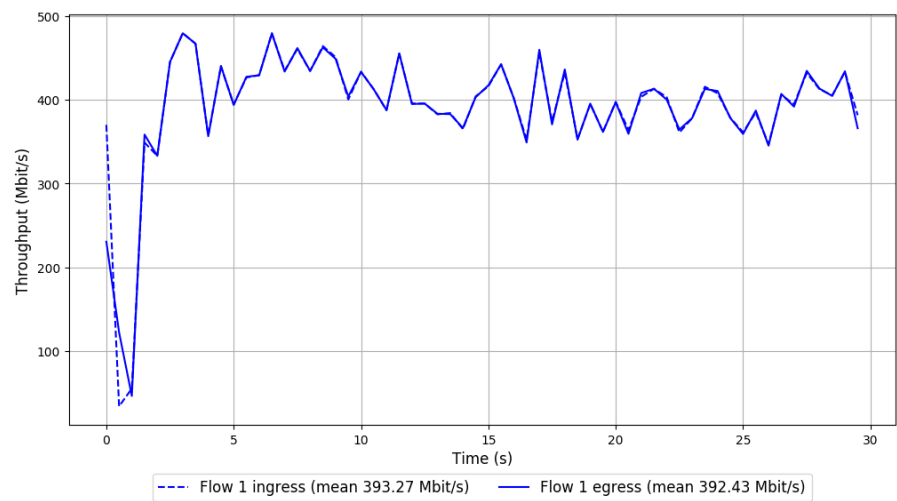
-- Flow 1:

Average throughput: 392.43 Mbit/s

95th percentile per-packet one-way delay: 5.822 ms

Loss rate: 0.28%

Run 8: Report of Verus — Data Link

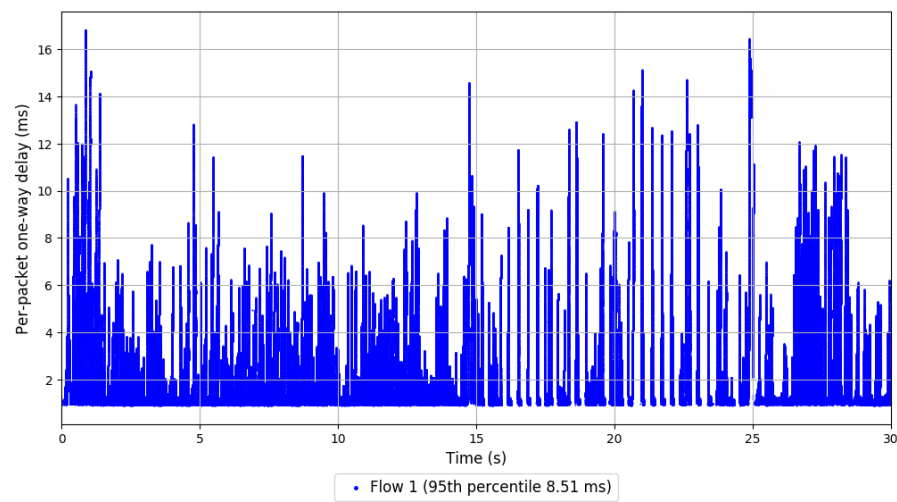
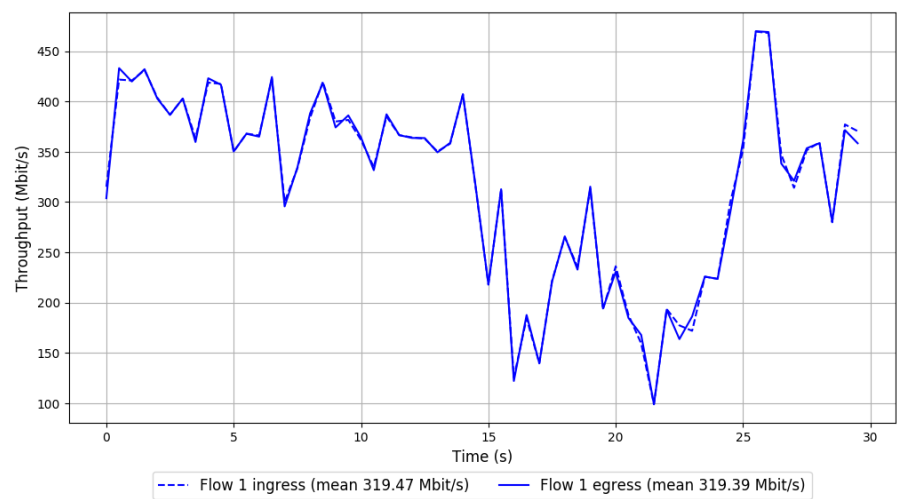


Run 9: Statistics of Verus

Start at: 2018-03-27 05:00:56
End at: 2018-03-27 05:01:26
Local clock offset: -1.327 ms
Remote clock offset: -6.662 ms

Below is generated by plot.py at 2018-03-27 11:32:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 319.39 Mbit/s
95th percentile per-packet one-way delay: 8.507 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 319.39 Mbit/s
95th percentile per-packet one-way delay: 8.507 ms
Loss rate: 0.09%

Run 9: Report of Verus — Data Link

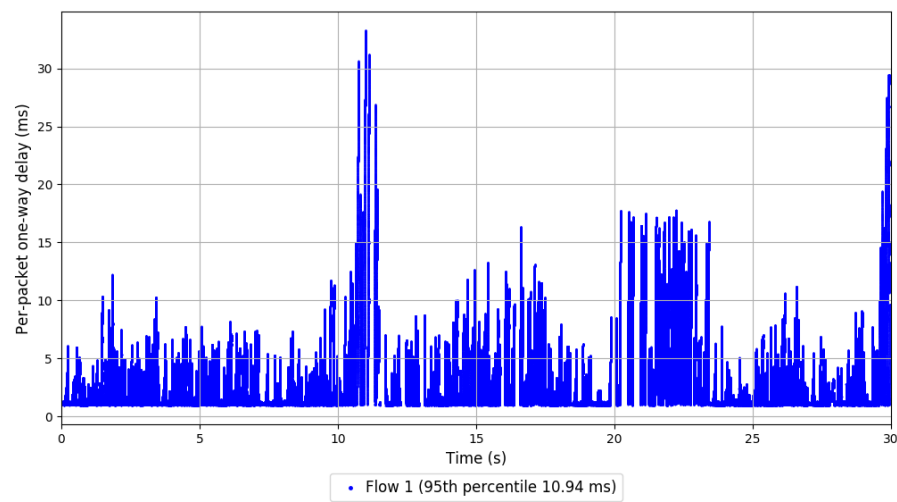
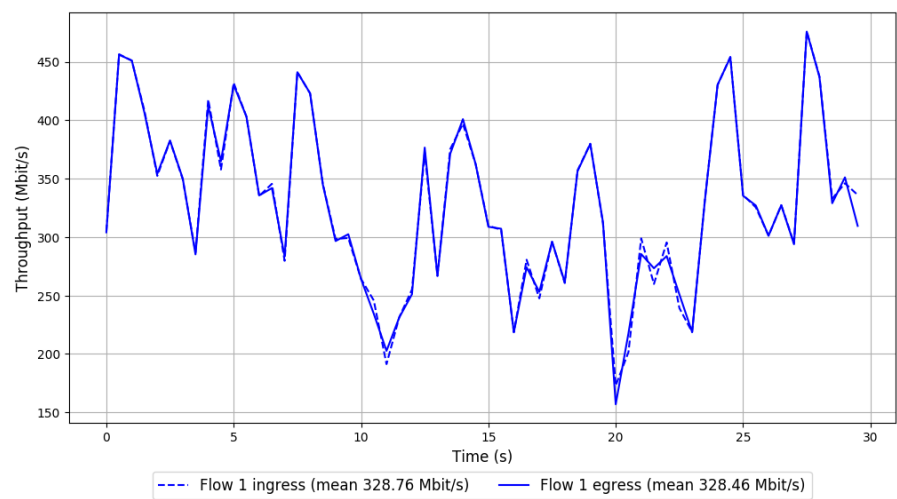


Run 10: Statistics of Verus

Start at: 2018-03-27 05:28:25
End at: 2018-03-27 05:28:55
Local clock offset: -0.738 ms
Remote clock offset: -6.233 ms

Below is generated by plot.py at 2018-03-27 11:32:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 328.46 Mbit/s
95th percentile per-packet one-way delay: 10.938 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 328.46 Mbit/s
95th percentile per-packet one-way delay: 10.938 ms
Loss rate: 0.14%

Run 10: Report of Verus — Data Link

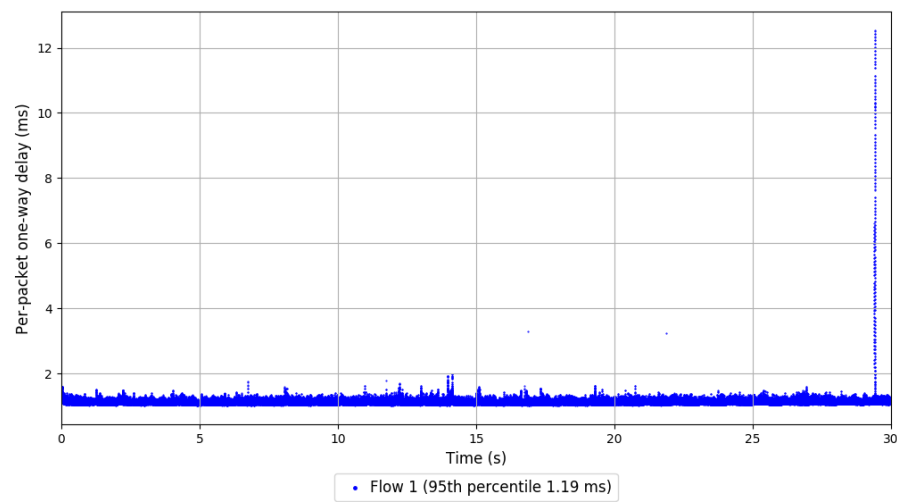
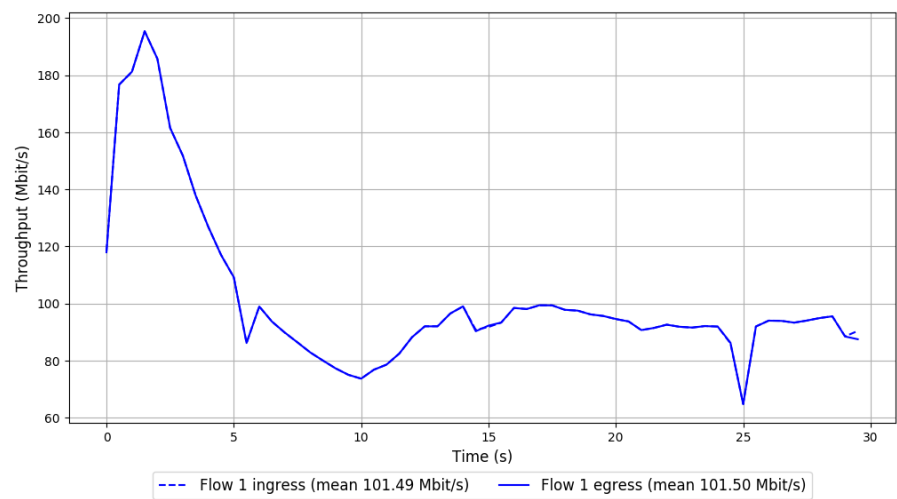


Run 1: Statistics of Copa

Start at: 2018-03-27 00:59:52
End at: 2018-03-27 01:00:22
Local clock offset: 3.811 ms
Remote clock offset: -7.168 ms

Below is generated by plot.py at 2018-03-27 11:32:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.50 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 101.50 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.05%

Run 1: Report of Copa — Data Link

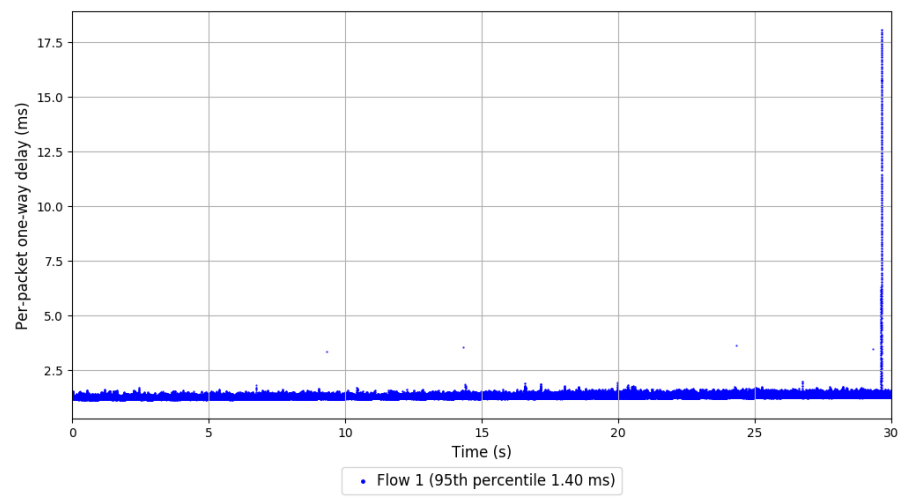
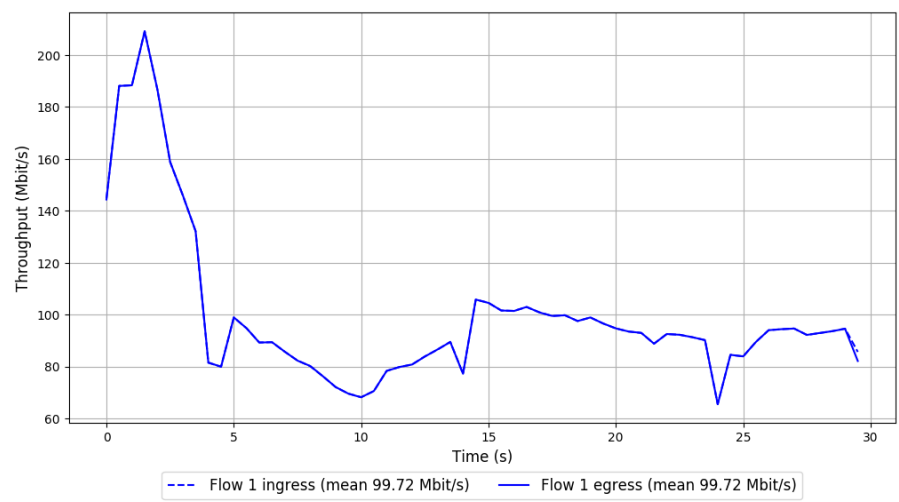


Run 2: Statistics of Copa

Start at: 2018-03-27 01:27:22
End at: 2018-03-27 01:27:52
Local clock offset: 1.808 ms
Remote clock offset: -6.051 ms

Below is generated by plot.py at 2018-03-27 11:34:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.72 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 99.72 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.06%

Run 2: Report of Copa — Data Link

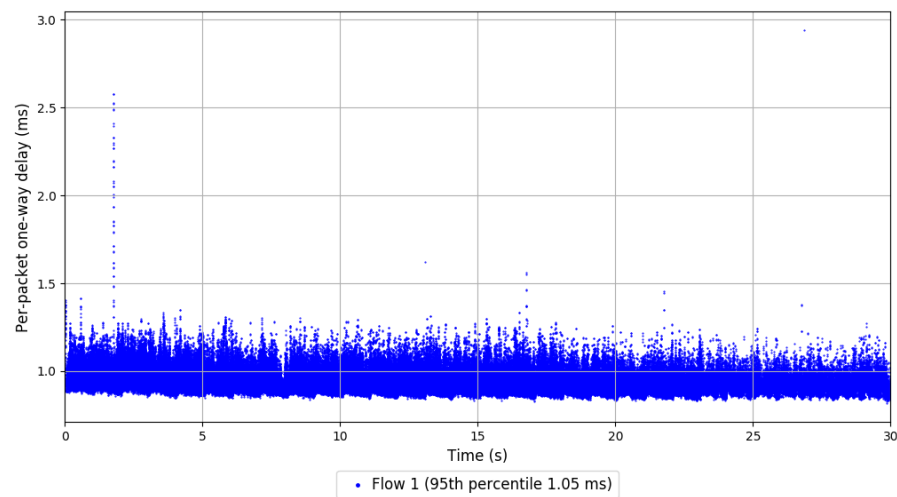
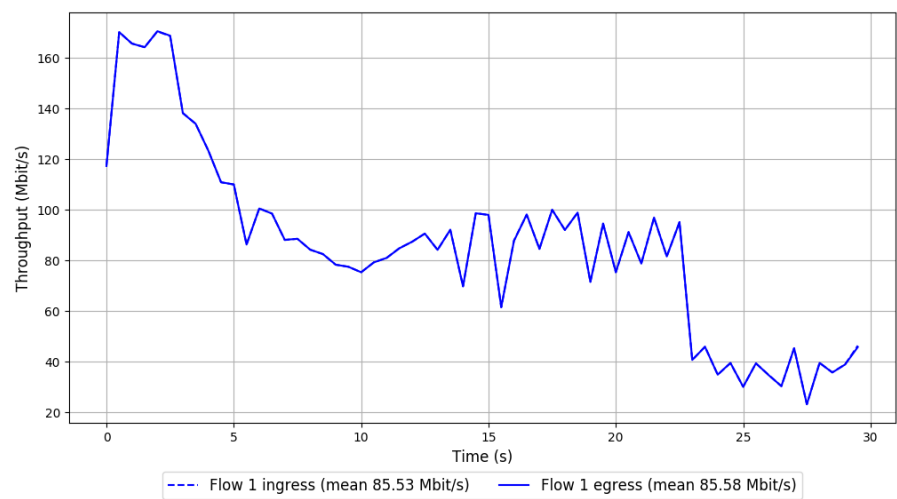


Run 3: Statistics of Copa

Start at: 2018-03-27 01:55:00
End at: 2018-03-27 01:55:30
Local clock offset: -1.119 ms
Remote clock offset: -5.18 ms

Below is generated by plot.py at 2018-03-27 11:34:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.58 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.58 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.01%

Run 3: Report of Copa — Data Link

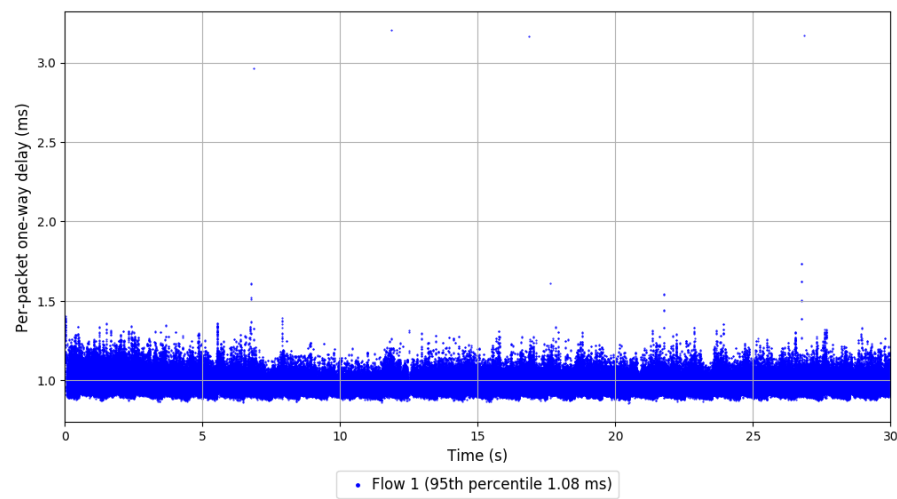
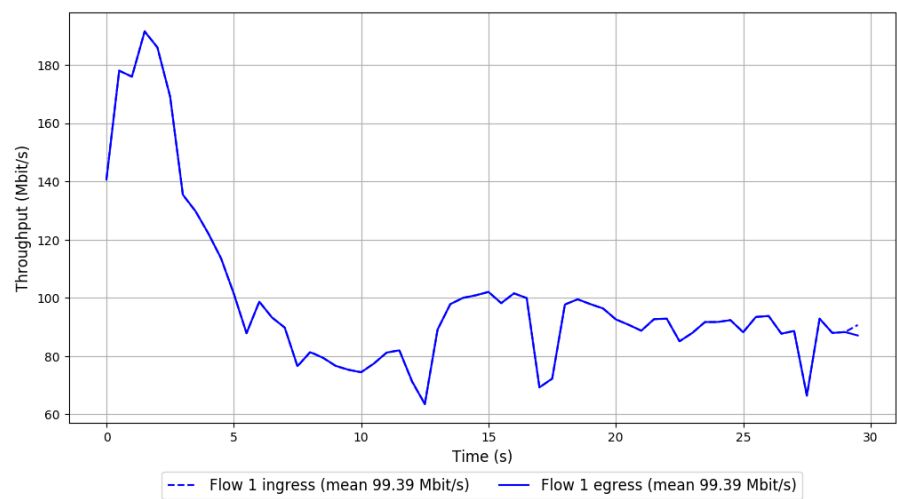


Run 4: Statistics of Copa

Start at: 2018-03-27 02:22:38
End at: 2018-03-27 02:23:08
Local clock offset: -1.145 ms
Remote clock offset: -6.076 ms

Below is generated by plot.py at 2018-03-27 11:34:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.39 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 99.39 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.06%

Run 4: Report of Copa — Data Link

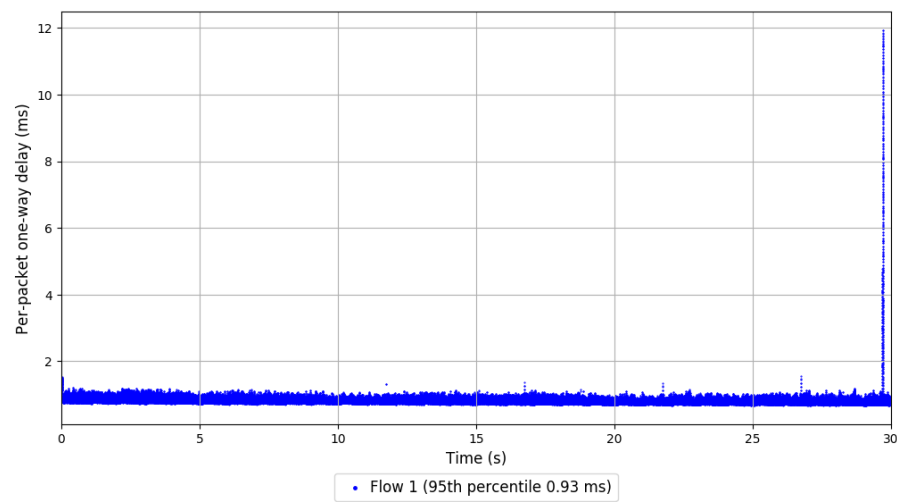
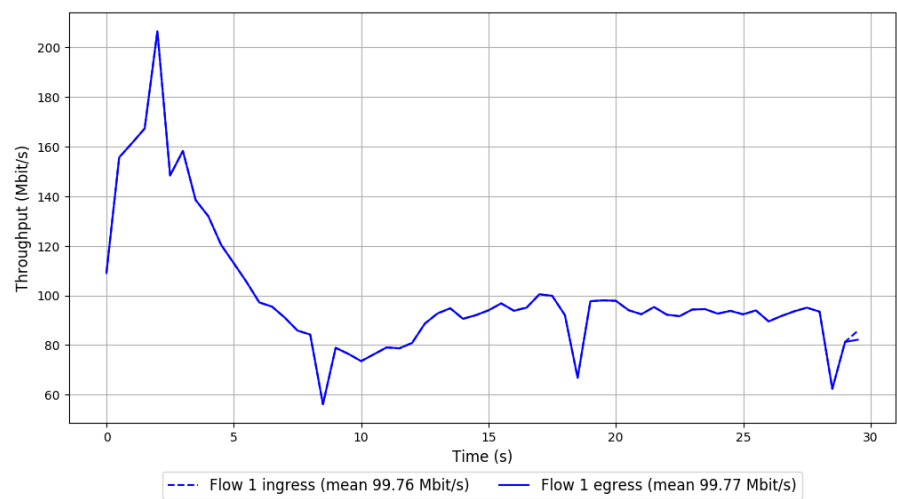


Run 5: Statistics of Copa

Start at: 2018-03-27 02:50:17
End at: 2018-03-27 02:50:47
Local clock offset: 10.415 ms
Remote clock offset: -5.578 ms

Below is generated by plot.py at 2018-03-27 11:34:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.77 Mbit/s
95th percentile per-packet one-way delay: 0.928 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 99.77 Mbit/s
95th percentile per-packet one-way delay: 0.928 ms
Loss rate: 0.06%

Run 5: Report of Copa — Data Link

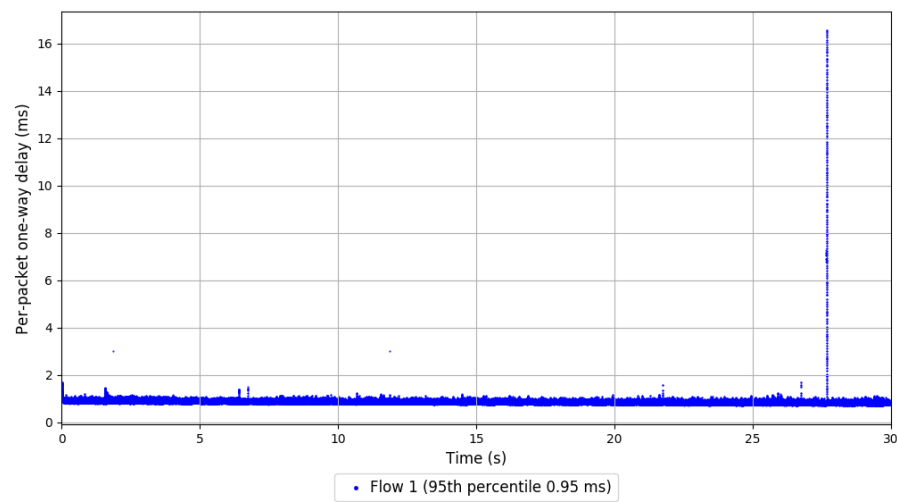
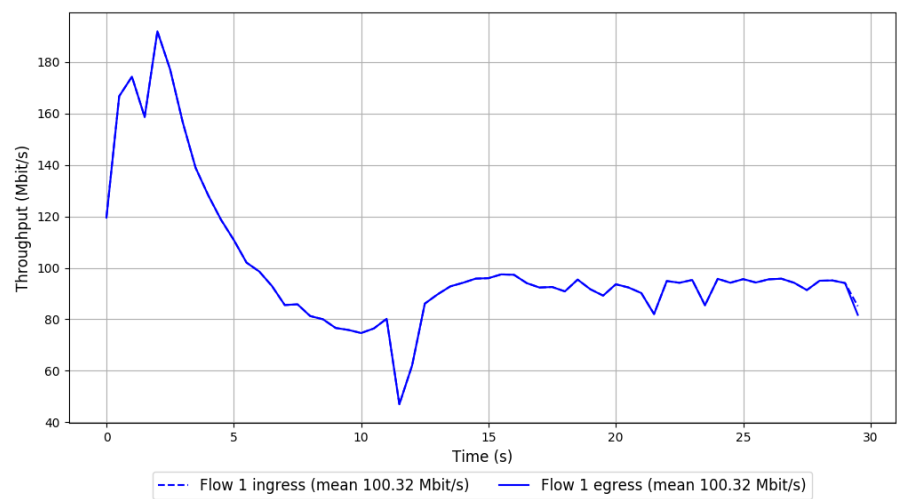


Run 6: Statistics of Copa

Start at: 2018-03-27 03:17:43
End at: 2018-03-27 03:18:13
Local clock offset: 14.257 ms
Remote clock offset: -4.719 ms

Below is generated by plot.py at 2018-03-27 11:35:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.32 Mbit/s
95th percentile per-packet one-way delay: 0.946 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 100.32 Mbit/s
95th percentile per-packet one-way delay: 0.946 ms
Loss rate: 0.06%

Run 6: Report of Copa — Data Link

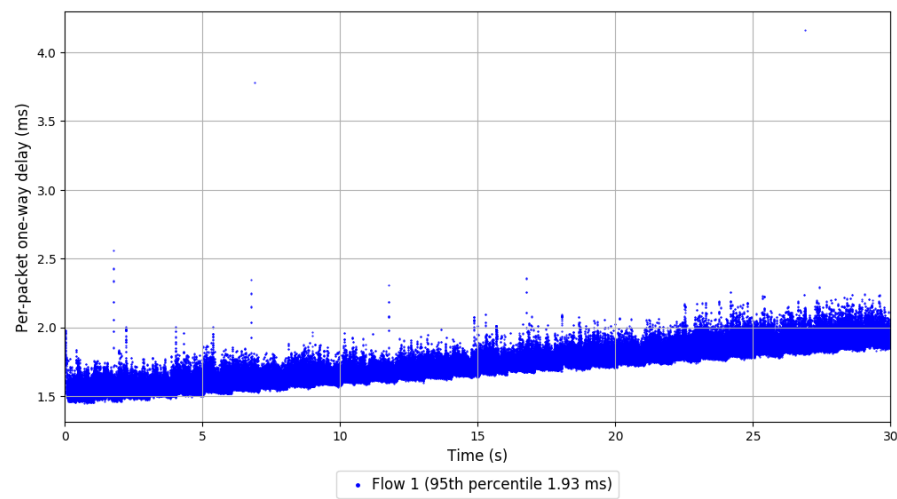
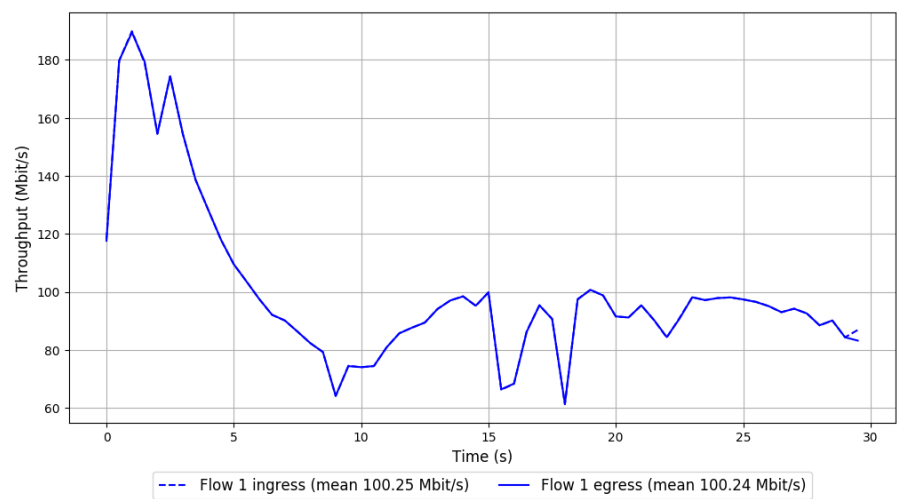


Run 7: Statistics of Copa

Start at: 2018-03-27 03:45:25
End at: 2018-03-27 03:45:55
Local clock offset: 5.06 ms
Remote clock offset: -5.144 ms

Below is generated by plot.py at 2018-03-27 11:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.24 Mbit/s
95th percentile per-packet one-way delay: 1.931 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 100.24 Mbit/s
95th percentile per-packet one-way delay: 1.931 ms
Loss rate: 0.07%

Run 7: Report of Copa — Data Link

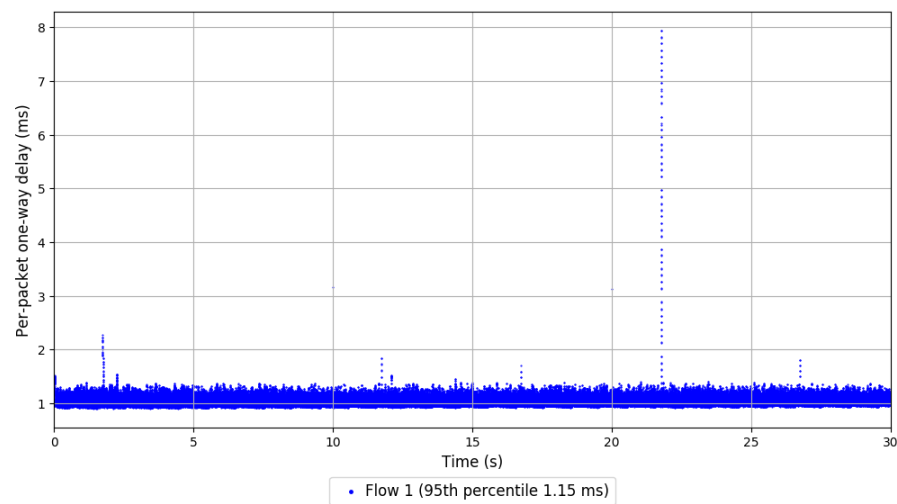
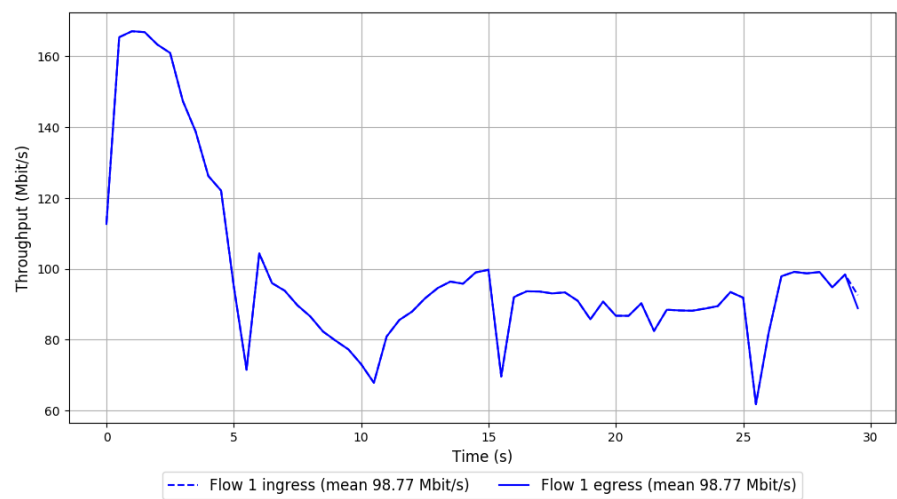


Run 8: Statistics of Copa

Start at: 2018-03-27 04:41:28
End at: 2018-03-27 04:41:58
Local clock offset: -4.122 ms
Remote clock offset: -6.267 ms

Below is generated by plot.py at 2018-03-27 11:35:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.77 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 98.77 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.07%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-03-27 05:08:53

End at: 2018-03-27 05:09:23

Local clock offset: -1.154 ms

Remote clock offset: -6.35 ms

Below is generated by plot.py at 2018-03-27 11:35:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.35 Mbit/s

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

Loss rate: 0.06%

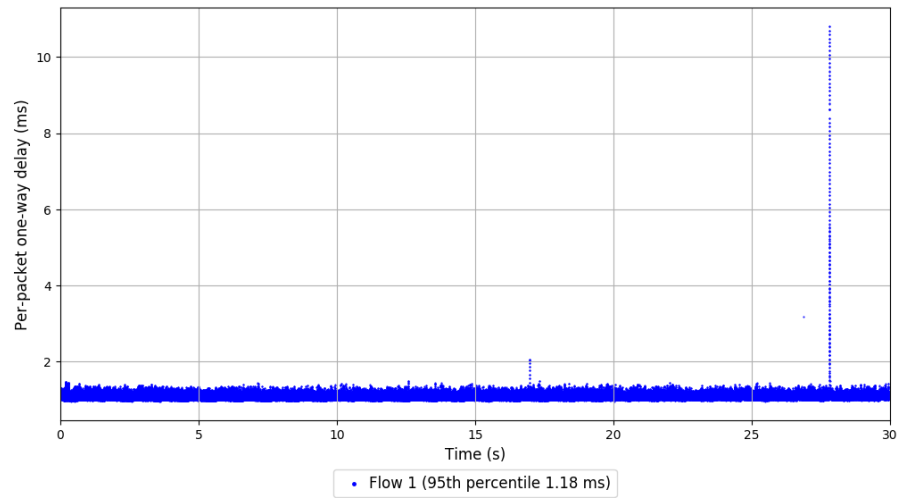
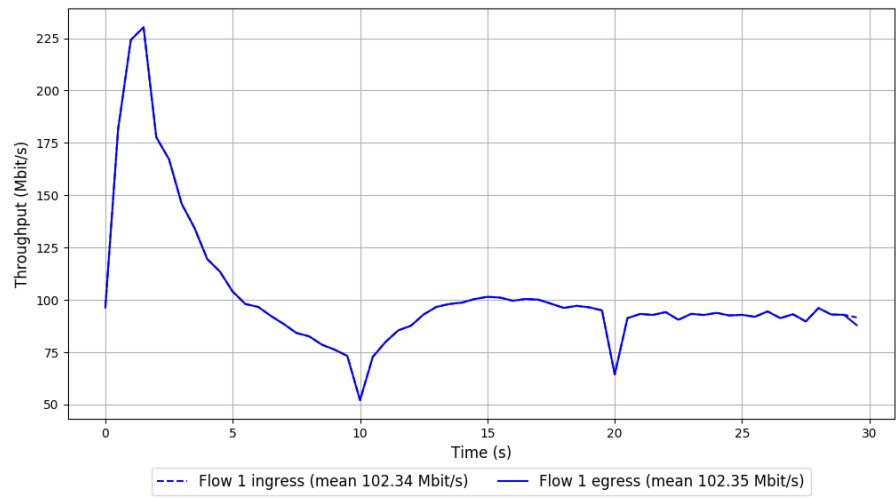
-- Flow 1:

Average throughput: 102.35 Mbit/s

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

Loss rate: 0.06%

Run 9: Report of Copa — Data Link

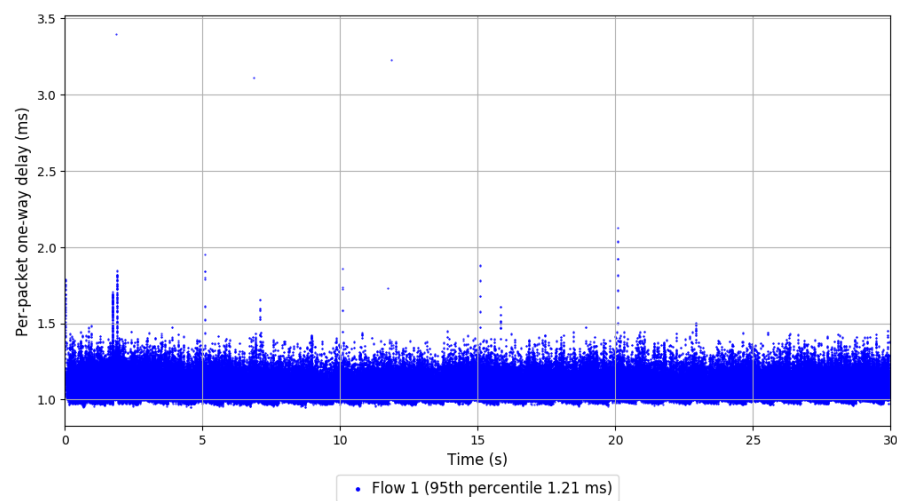
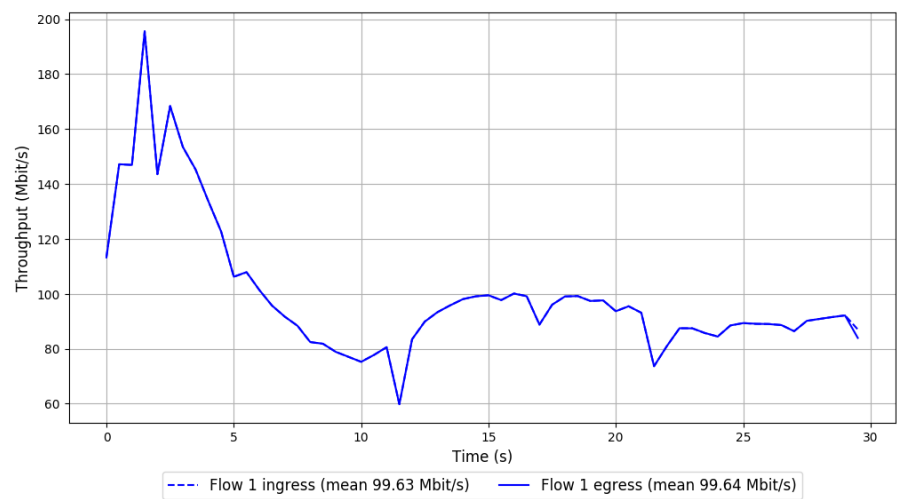


Run 10: Statistics of Copa

Start at: 2018-03-27 05:36:21
End at: 2018-03-27 05:36:51
Local clock offset: -0.61 ms
Remote clock offset: -6.166 ms

Below is generated by plot.py at 2018-03-27 11:36:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.64 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 99.64 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.06%

Run 10: Report of Copa — Data Link

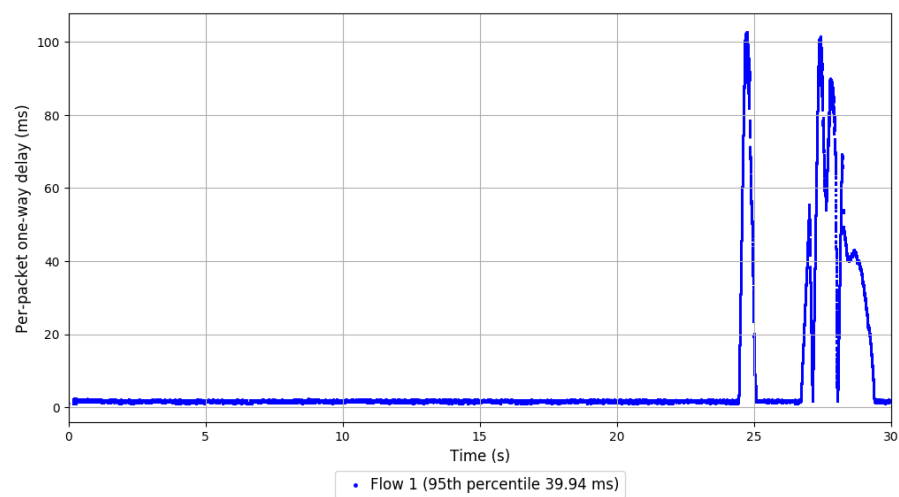
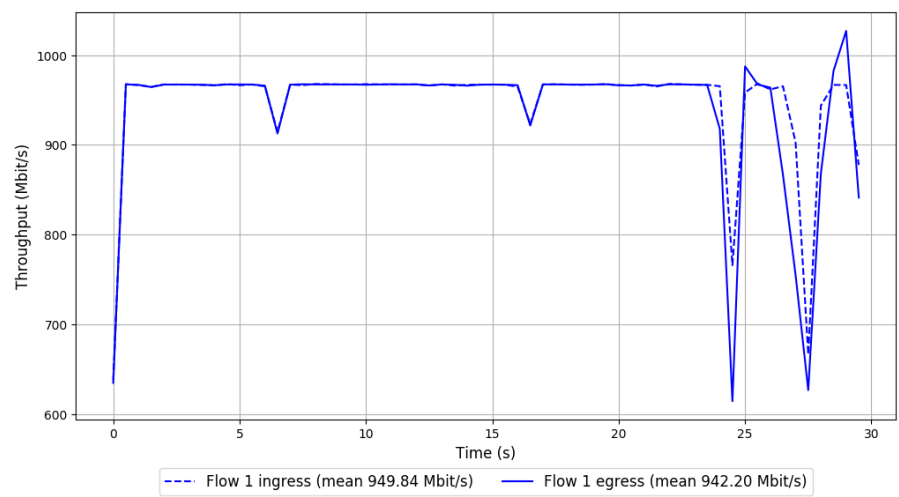


Run 1: Statistics of FillP

Start at: 2018-03-27 00:53:31
End at: 2018-03-27 00:54:01
Local clock offset: 3.875 ms
Remote clock offset: -6.982 ms

Below is generated by plot.py at 2018-03-27 11:49:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 942.20 Mbit/s
95th percentile per-packet one-way delay: 39.939 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 942.20 Mbit/s
95th percentile per-packet one-way delay: 39.939 ms
Loss rate: 0.87%

Run 1: Report of FillP — Data Link

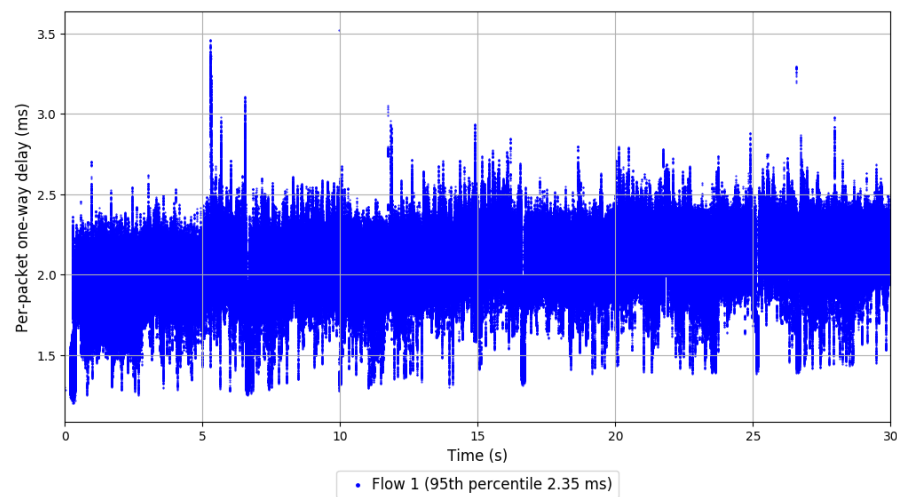
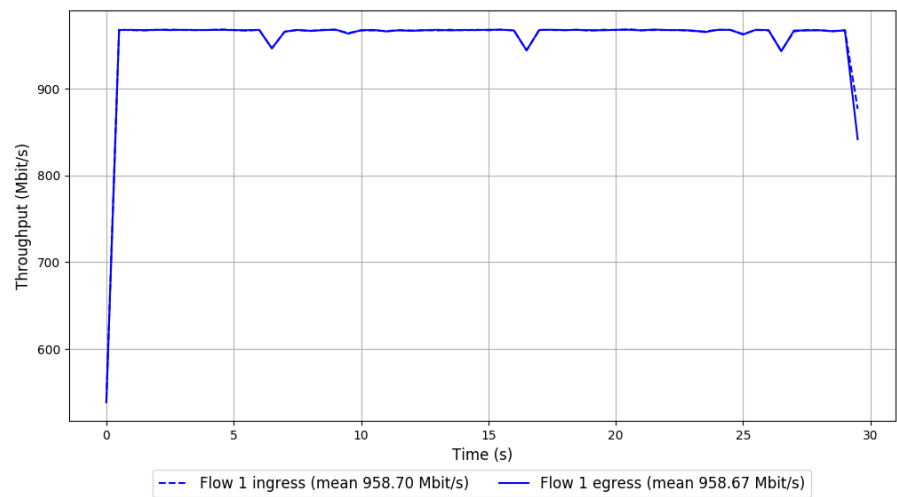


Run 2: Statistics of FillP

Start at: 2018-03-27 01:21:00
End at: 2018-03-27 01:21:30
Local clock offset: 3.847 ms
Remote clock offset: -6.014 ms

Below is generated by plot.py at 2018-03-27 11:49:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 958.67 Mbit/s
95th percentile per-packet one-way delay: 2.353 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 958.67 Mbit/s
95th percentile per-packet one-way delay: 2.353 ms
Loss rate: 0.07%

Run 2: Report of FillP — Data Link

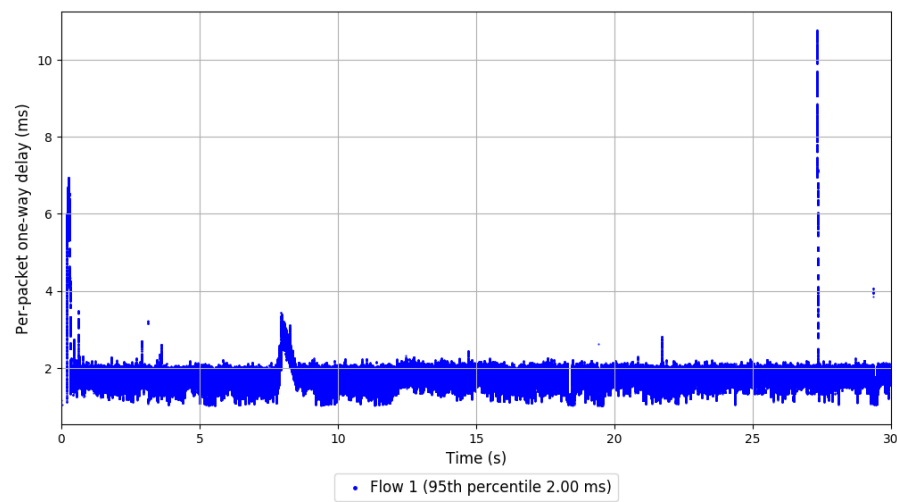
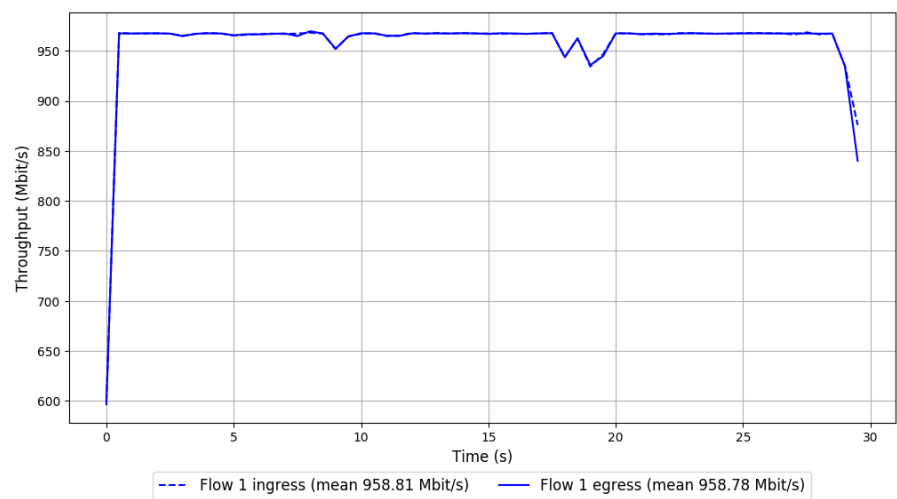


Run 3: Statistics of FillP

Start at: 2018-03-27 01:48:37
End at: 2018-03-27 01:49:07
Local clock offset: -0.697 ms
Remote clock offset: -5.259 ms

Below is generated by plot.py at 2018-03-27 11:49:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 958.78 Mbit/s
95th percentile per-packet one-way delay: 2.002 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 958.78 Mbit/s
95th percentile per-packet one-way delay: 2.002 ms
Loss rate: 0.07%

Run 3: Report of FillP — Data Link

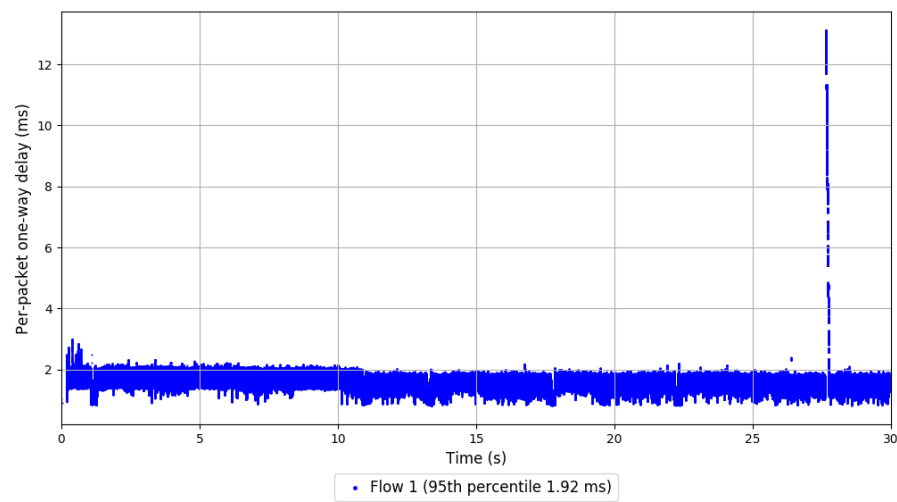
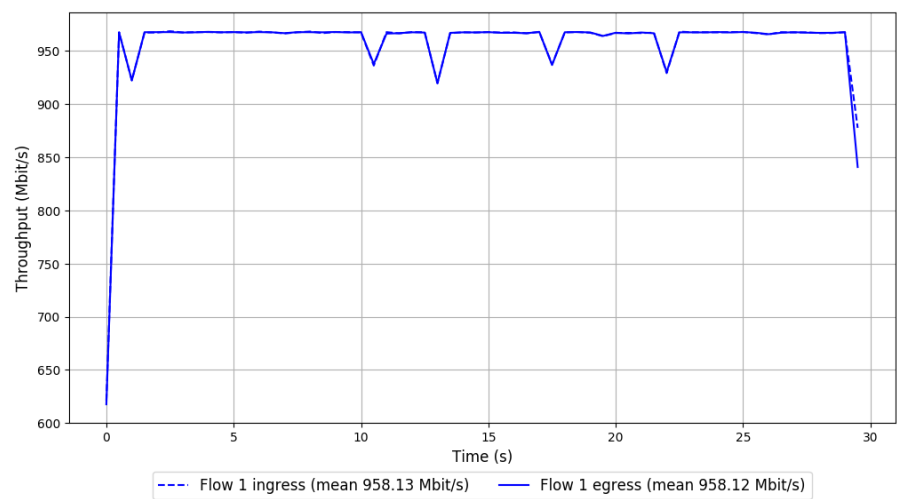


Run 4: Statistics of FillP

Start at: 2018-03-27 02:16:15
End at: 2018-03-27 02:16:45
Local clock offset: -0.942 ms
Remote clock offset: -5.696 ms

Below is generated by plot.py at 2018-03-27 11:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 958.12 Mbit/s
95th percentile per-packet one-way delay: 1.916 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 958.12 Mbit/s
95th percentile per-packet one-way delay: 1.916 ms
Loss rate: 0.07%

Run 4: Report of FillP — Data Link

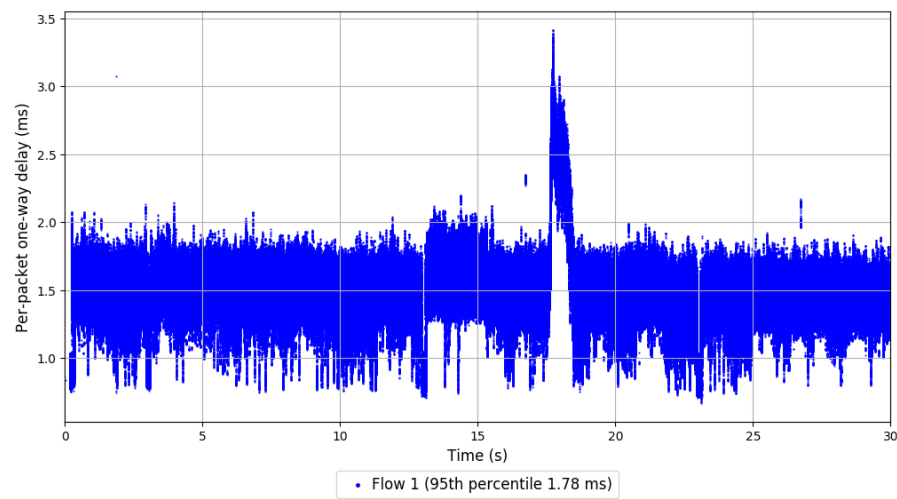
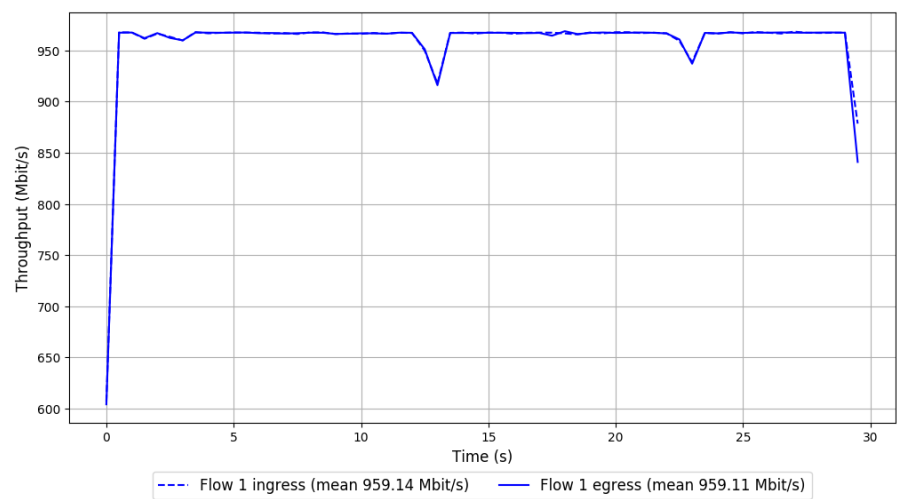


Run 5: Statistics of FillP

Start at: 2018-03-27 02:43:52
End at: 2018-03-27 02:44:22
Local clock offset: 8.858 ms
Remote clock offset: -6.177 ms

Below is generated by plot.py at 2018-03-27 11:50:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 959.11 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 959.11 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.07%

Run 5: Report of FillP — Data Link

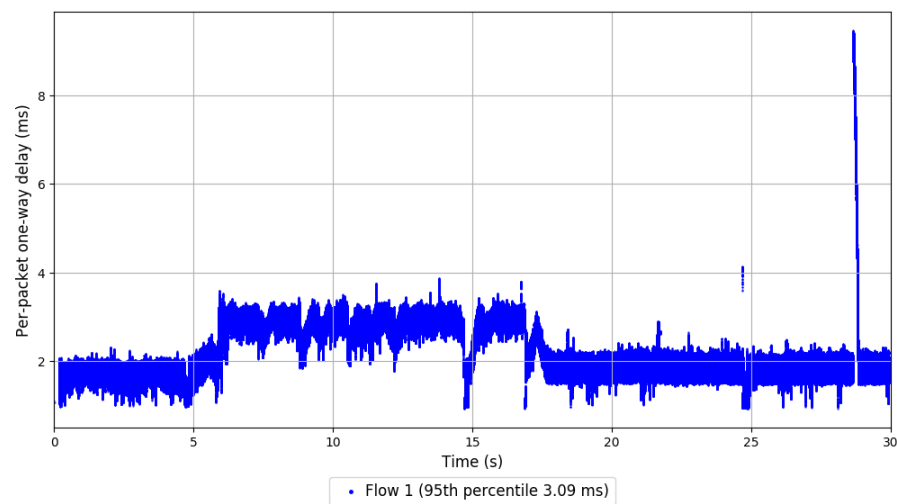
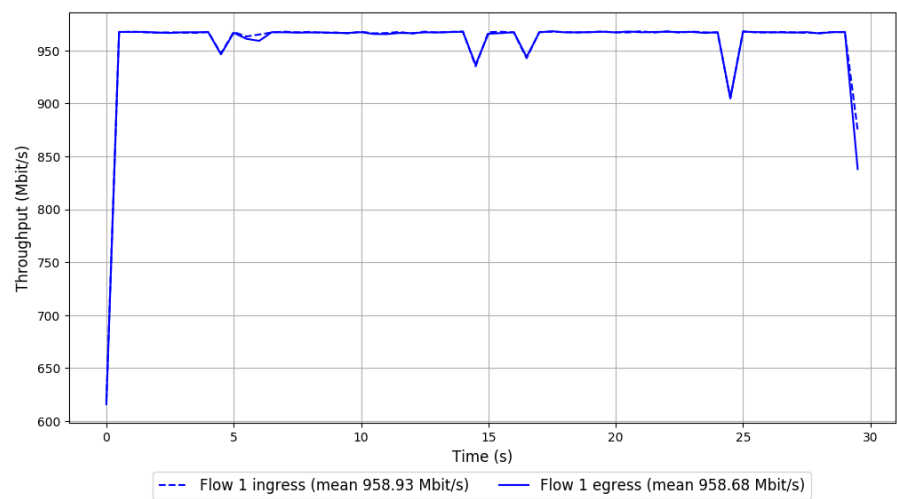


Run 6: Statistics of FillP

Start at: 2018-03-27 03:11:20
End at: 2018-03-27 03:11:50
Local clock offset: 13.589 ms
Remote clock offset: -4.815 ms

Below is generated by plot.py at 2018-03-27 11:50:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 958.68 Mbit/s
95th percentile per-packet one-way delay: 3.087 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 958.68 Mbit/s
95th percentile per-packet one-way delay: 3.087 ms
Loss rate: 0.09%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-27 03:39:01

End at: 2018-03-27 03:39:31

Local clock offset: 12.946 ms

Remote clock offset: -5.21 ms

Below is generated by plot.py at 2018-03-27 11:50:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 956.49 Mbit/s

95th percentile per-packet one-way delay: 3.559 ms

Loss rate: 0.07%

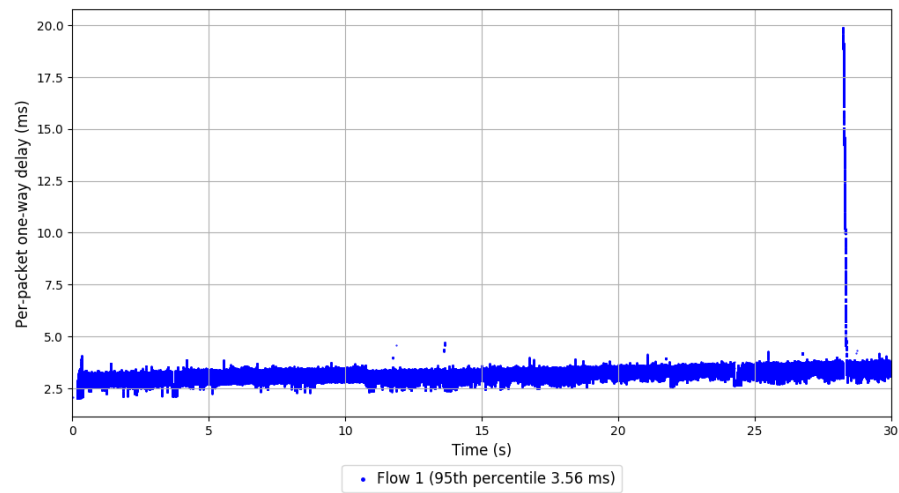
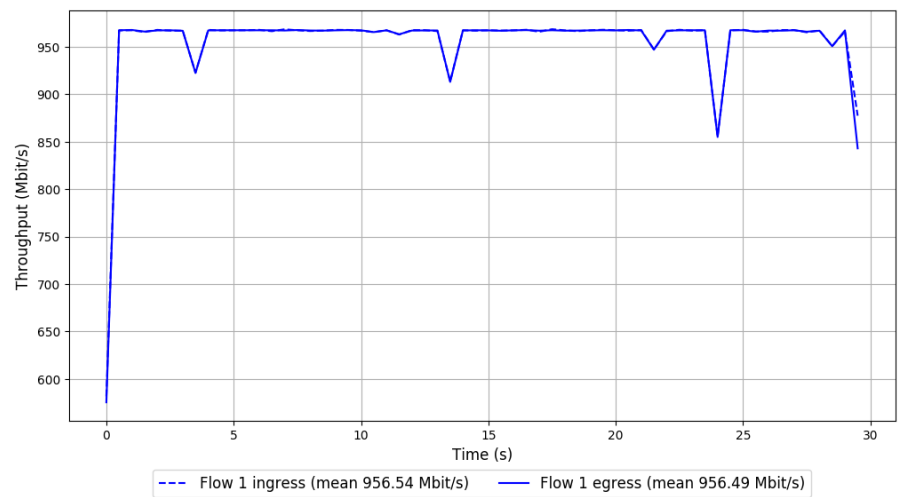
-- Flow 1:

Average throughput: 956.49 Mbit/s

95th percentile per-packet one-way delay: 3.559 ms

Loss rate: 0.07%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-27 04:30:51

End at: 2018-03-27 04:31:21

Local clock offset: -3.054 ms

Below is generated by plot.py at 2018-03-27 11:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 877.98 Mbit/s

95th percentile per-packet one-way delay: 54.663 ms

Loss rate: 6.60%

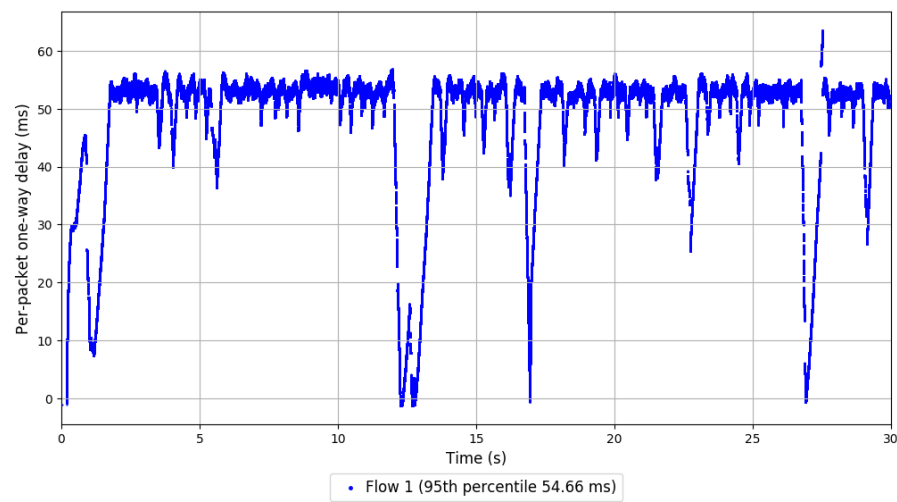
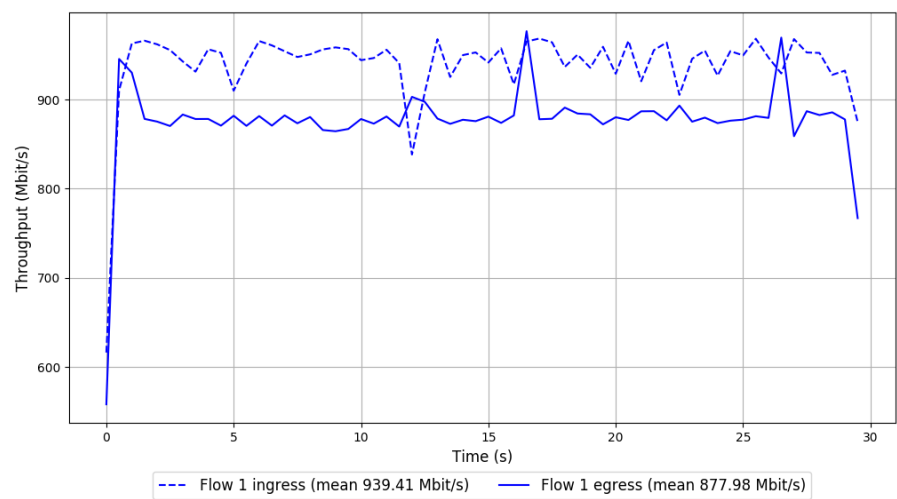
-- Flow 1:

Average throughput: 877.98 Mbit/s

95th percentile per-packet one-way delay: 54.663 ms

Loss rate: 6.60%

Run 8: Report of FillP — Data Link

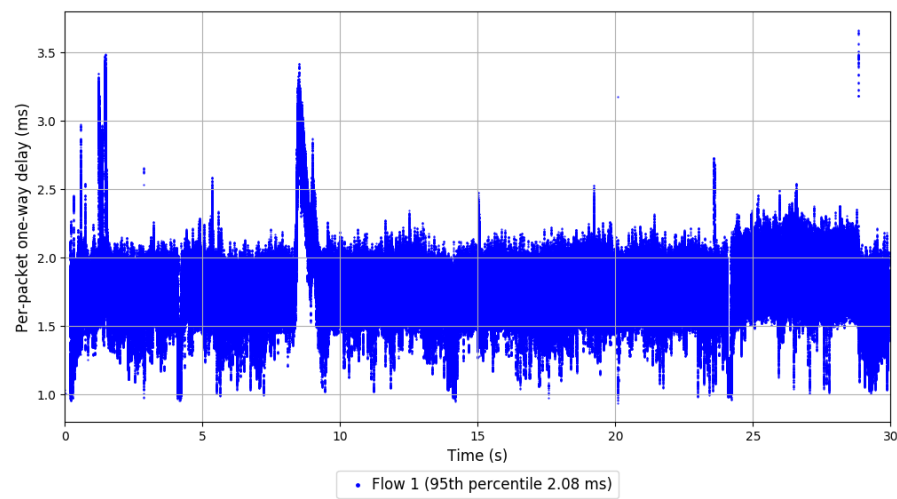
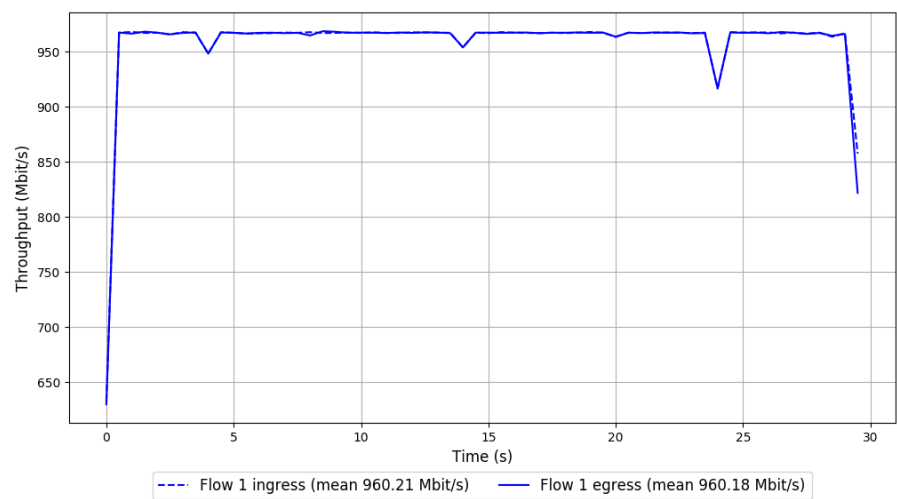


Run 9: Statistics of FillP

Start at: 2018-03-27 05:02:29
End at: 2018-03-27 05:02:59
Local clock offset: -1.279 ms
Remote clock offset: -6.587 ms

Below is generated by plot.py at 2018-03-27 12:03:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 960.18 Mbit/s
95th percentile per-packet one-way delay: 2.082 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 960.18 Mbit/s
95th percentile per-packet one-way delay: 2.082 ms
Loss rate: 0.07%

Run 9: Report of FillP — Data Link

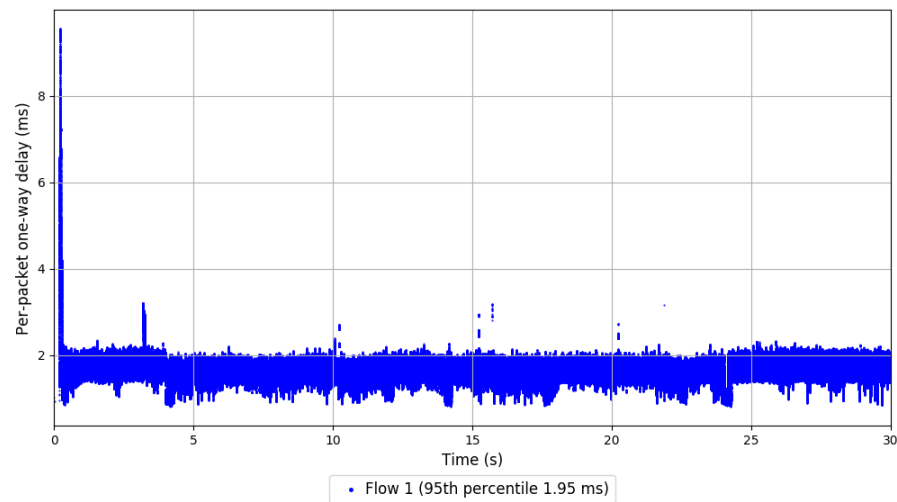
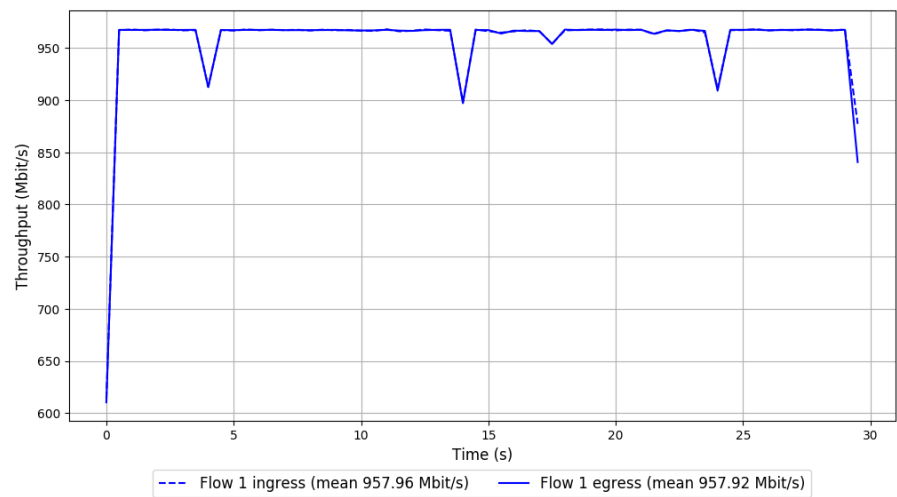


Run 10: Statistics of FillP

Start at: 2018-03-27 05:29:59
End at: 2018-03-27 05:30:29
Local clock offset: -0.798 ms
Remote clock offset: -6.163 ms

Below is generated by plot.py at 2018-03-27 12:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 957.92 Mbit/s
95th percentile per-packet one-way delay: 1.945 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 957.92 Mbit/s
95th percentile per-packet one-way delay: 1.945 ms
Loss rate: 0.07%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-03-27 00:36:42

End at: 2018-03-27 00:37:12

Local clock offset: 3.736 ms

Remote clock offset: -6.38 ms

Below is generated by plot.py at 2018-03-27 12:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.62 Mbit/s

95th percentile per-packet one-way delay: 1.080 ms

Loss rate: 0.06%

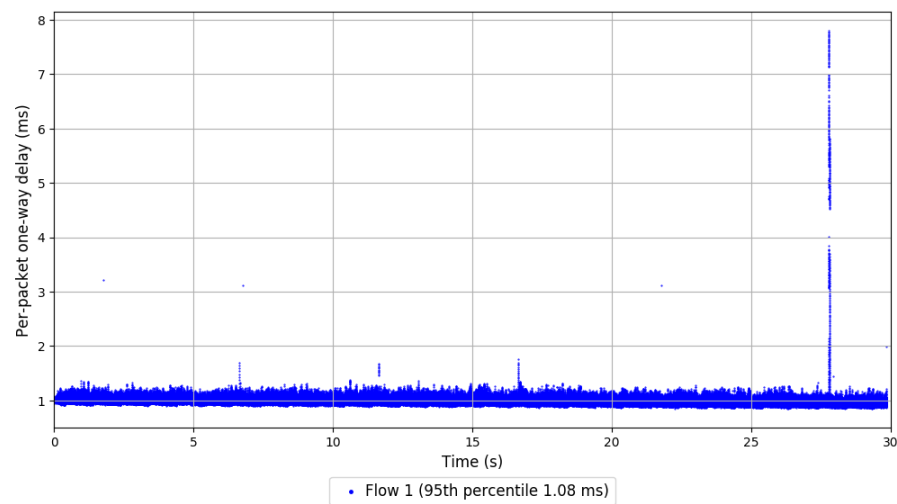
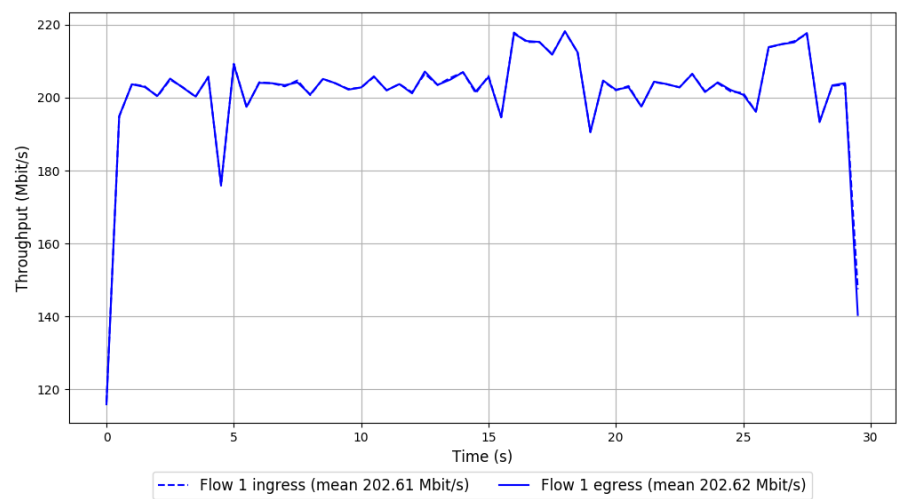
-- Flow 1:

Average throughput: 202.62 Mbit/s

95th percentile per-packet one-way delay: 1.080 ms

Loss rate: 0.06%

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

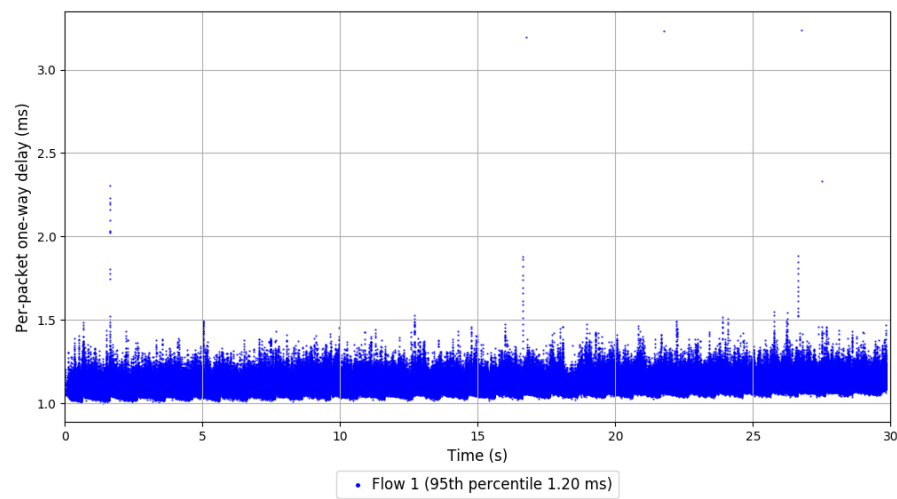
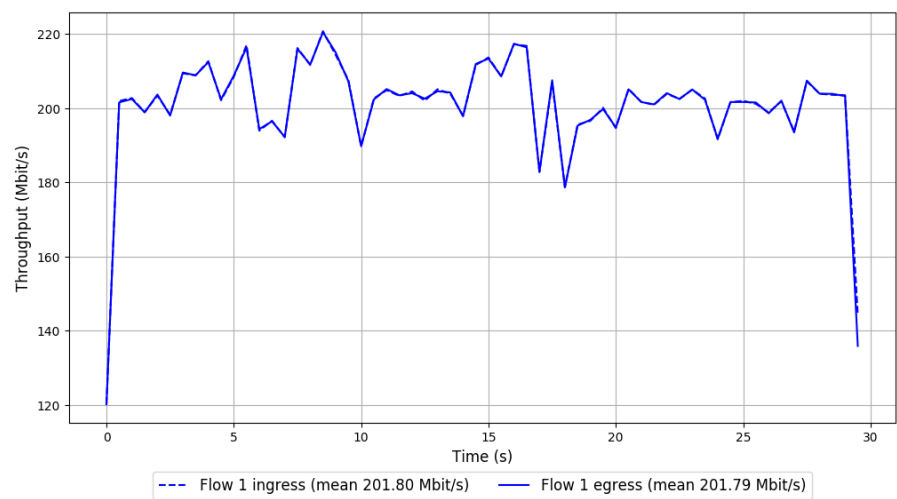


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-27 01:04:20
End at: 2018-03-27 01:04:50
Local clock offset: 3.786 ms
Remote clock offset: -6.793 ms

Below is generated by plot.py at 2018-03-27 12:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.79 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 201.79 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.07%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-03-27 01:31:44

End at: 2018-03-27 01:32:14

Local clock offset: 1.017 ms

Remote clock offset: -5.997 ms

Below is generated by plot.py at 2018-03-27 12:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.23 Mbit/s

95th percentile per-packet one-way delay: 1.379 ms

Loss rate: 0.07%

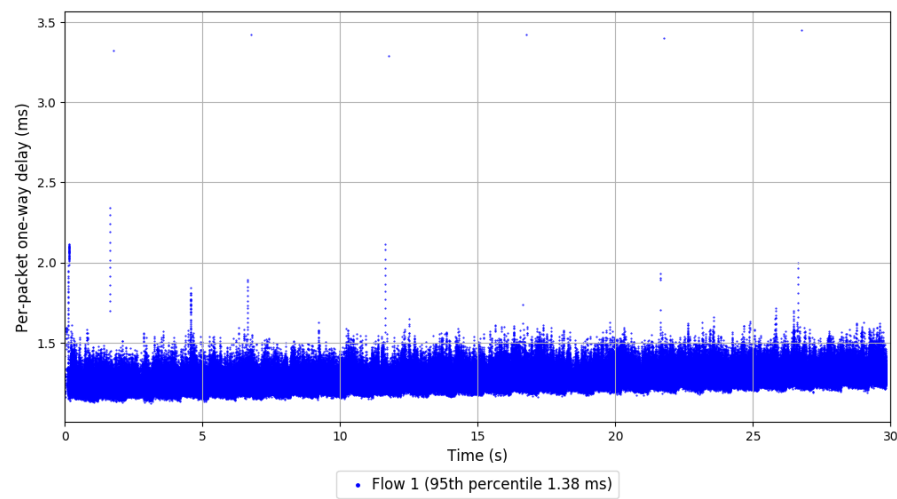
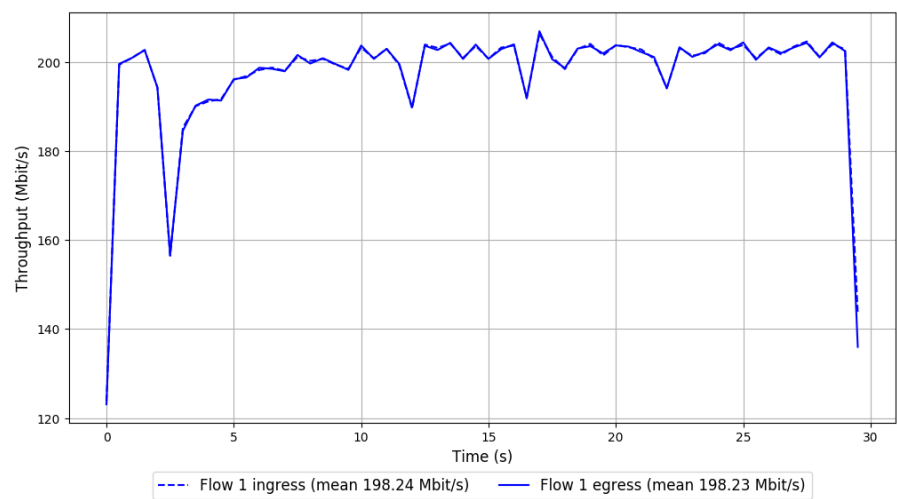
-- Flow 1:

Average throughput: 198.23 Mbit/s

95th percentile per-packet one-way delay: 1.379 ms

Loss rate: 0.07%

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

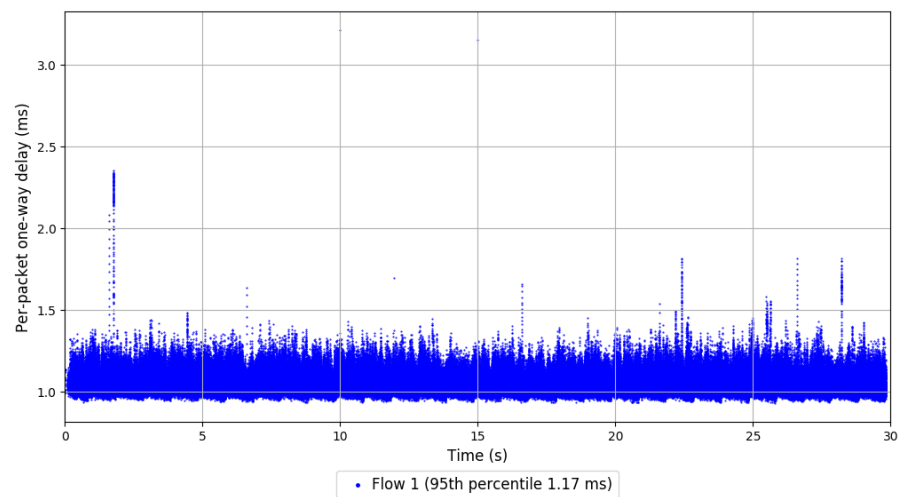
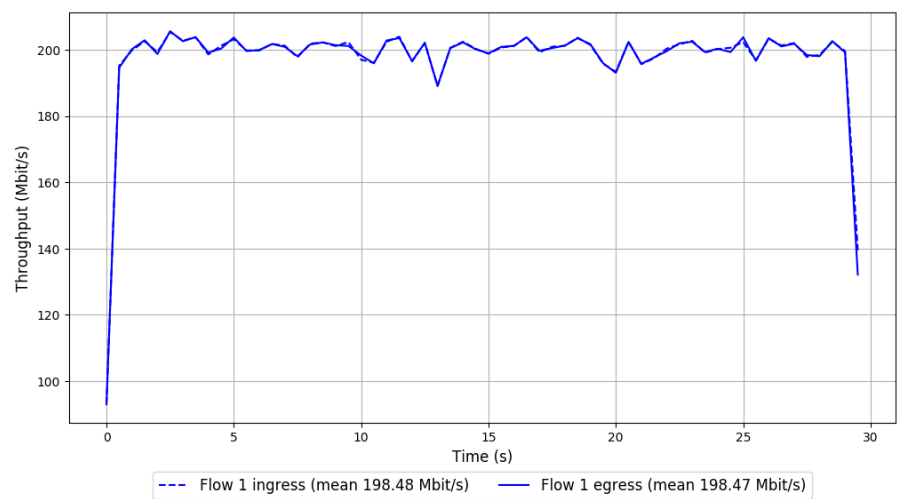


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-27 01:59:26
End at: 2018-03-27 01:59:56
Local clock offset: -0.801 ms
Remote clock offset: -5.101 ms

Below is generated by plot.py at 2018-03-27 12:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.47 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 198.47 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.07%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-03-27 02:27:04

End at: 2018-03-27 02:27:34

Local clock offset: -1.258 ms

Remote clock offset: -6.123 ms

Below is generated by plot.py at 2018-03-27 12:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.84 Mbit/s

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

Loss rate: 0.06%

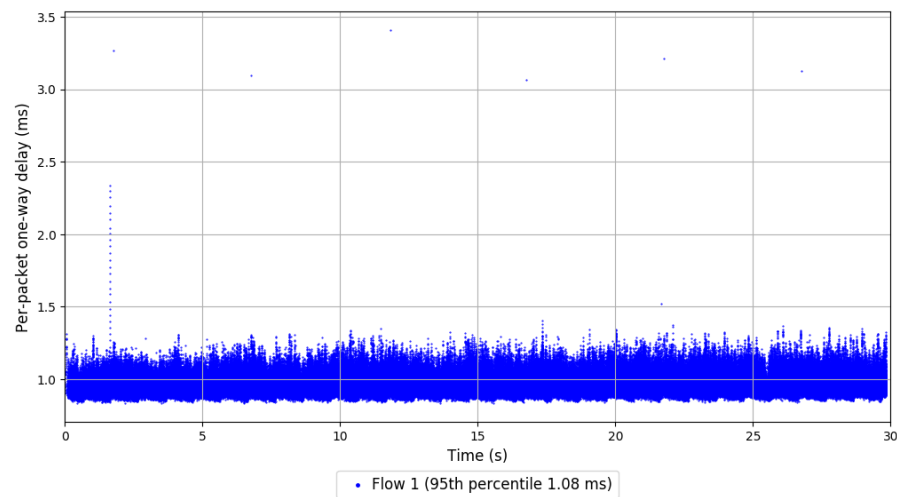
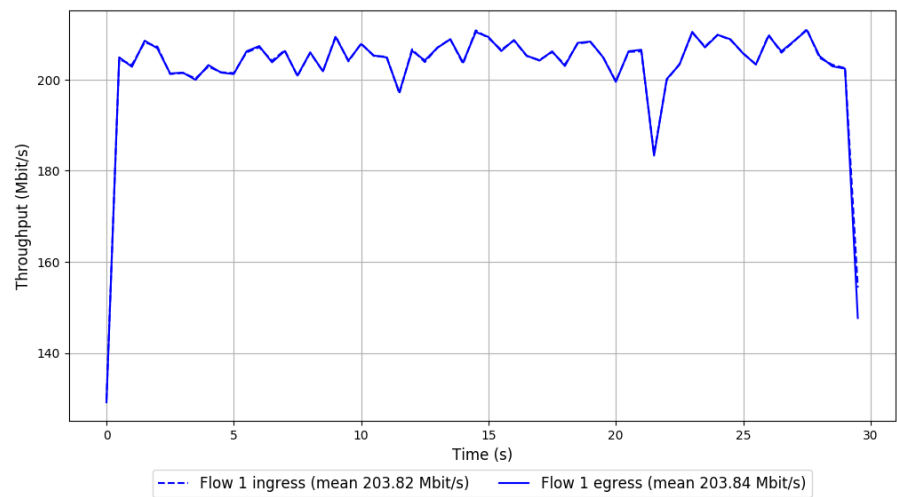
-- Flow 1:

Average throughput: 203.84 Mbit/s

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

Loss rate: 0.06%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-03-27 02:54:42

End at: 2018-03-27 02:55:12

Local clock offset: 11.28 ms

Remote clock offset: -5.356 ms

Below is generated by plot.py at 2018-03-27 12:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.03 Mbit/s

95th percentile per-packet one-way delay: 1.044 ms

Loss rate: 0.07%

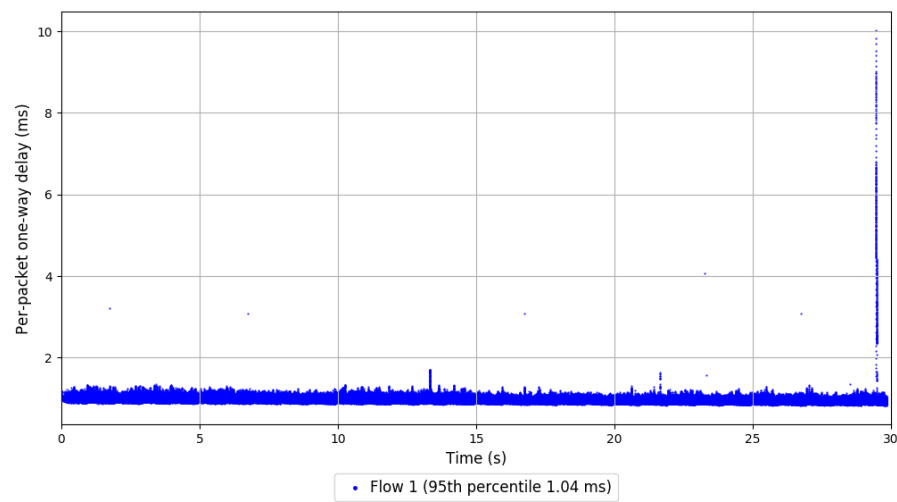
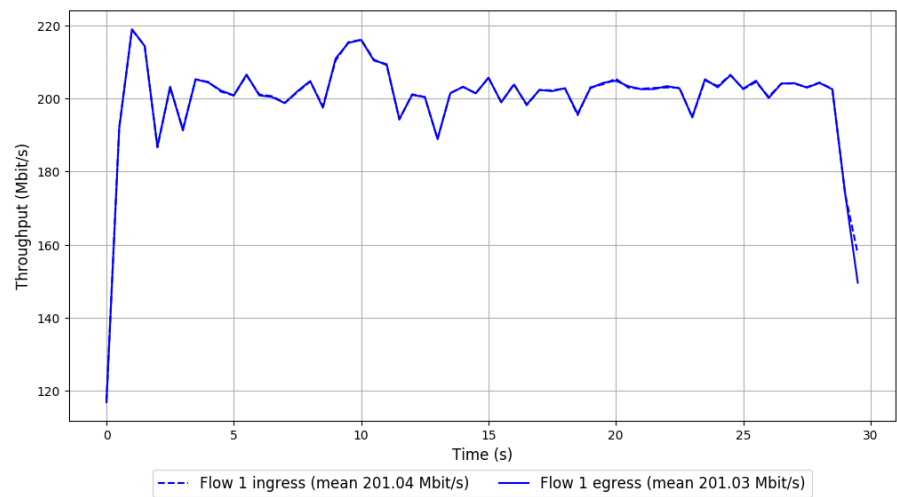
-- Flow 1:

Average throughput: 201.03 Mbit/s

95th percentile per-packet one-way delay: 1.044 ms

Loss rate: 0.07%

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

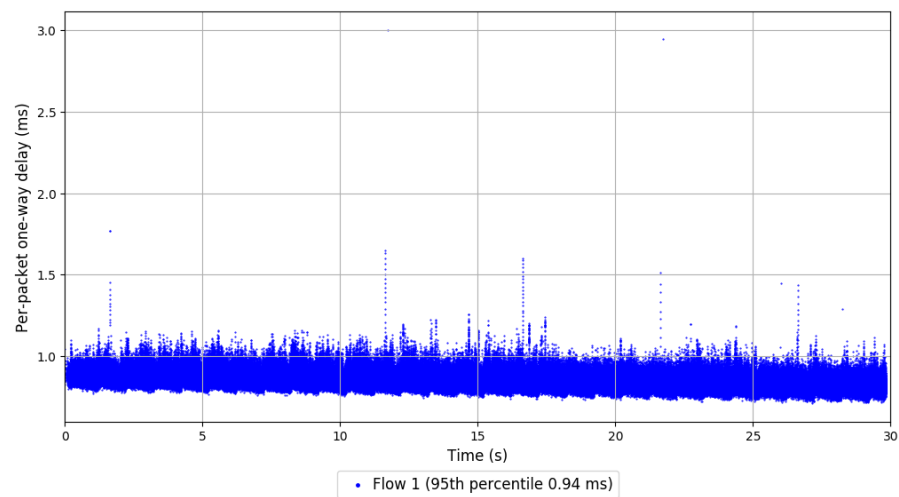
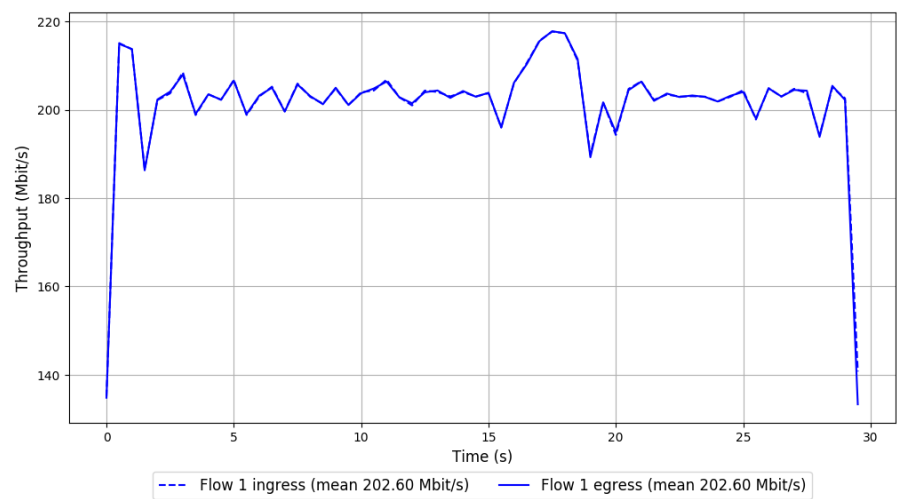


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-27 03:22:09
End at: 2018-03-27 03:22:39
Local clock offset: 14.806 ms
Remote clock offset: -4.892 ms

Below is generated by plot.py at 2018-03-27 12:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.60 Mbit/s
95th percentile per-packet one-way delay: 0.937 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 202.60 Mbit/s
95th percentile per-packet one-way delay: 0.937 ms
Loss rate: 0.06%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-03-27 03:49:52

End at: 2018-03-27 03:50:22

Local clock offset: 1.847 ms

Remote clock offset: -5.194 ms

Below is generated by plot.py at 2018-03-27 12:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.35 Mbit/s

95th percentile per-packet one-way delay: 1.765 ms

Loss rate: 0.07%

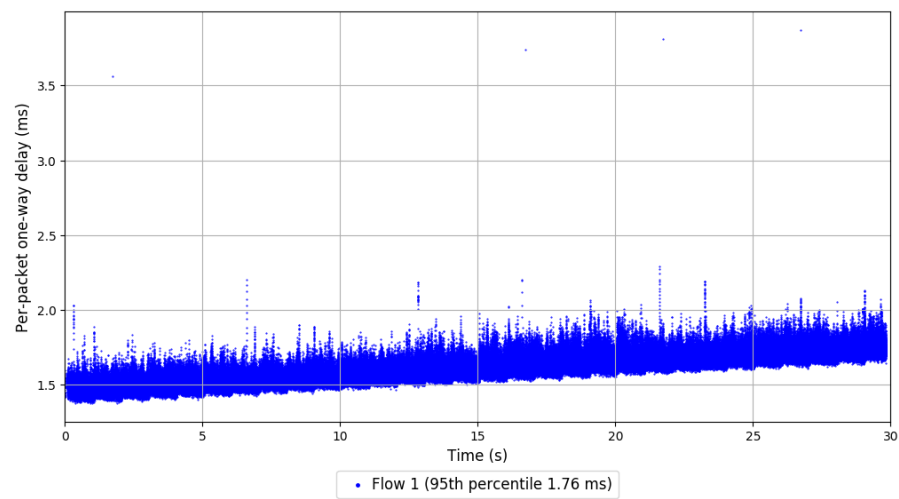
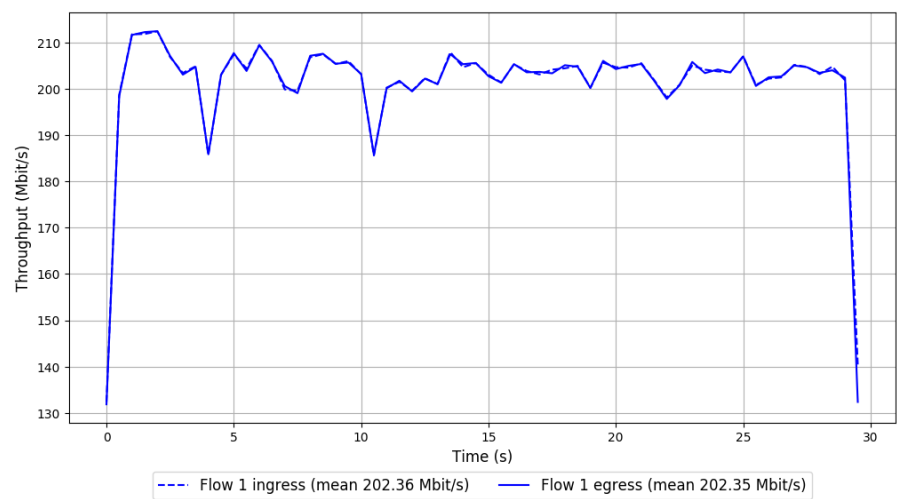
-- Flow 1:

Average throughput: 202.35 Mbit/s

95th percentile per-packet one-way delay: 1.765 ms

Loss rate: 0.07%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-03-27 04:45:52

End at: 2018-03-27 04:46:22

Local clock offset: -4.103 ms

Remote clock offset: -6.368 ms

Below is generated by plot.py at 2018-03-27 12:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.54 Mbit/s

95th percentile per-packet one-way delay: 0.866 ms

Loss rate: 0.06%

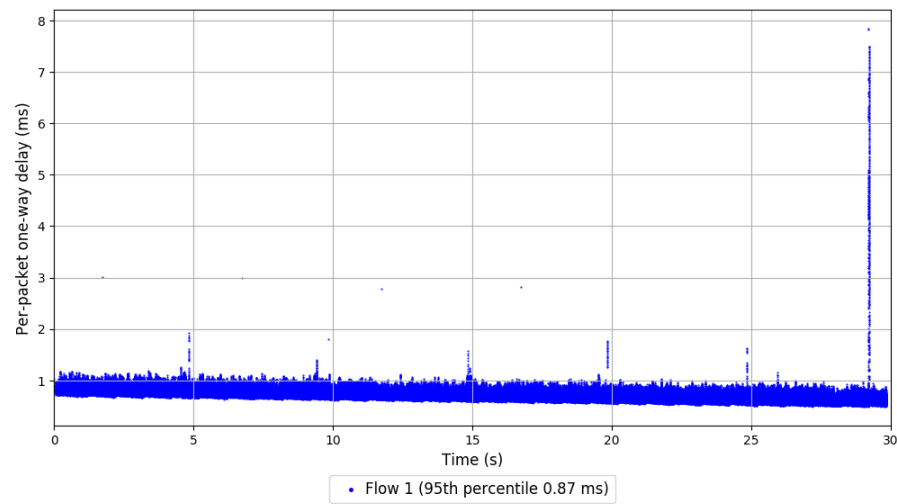
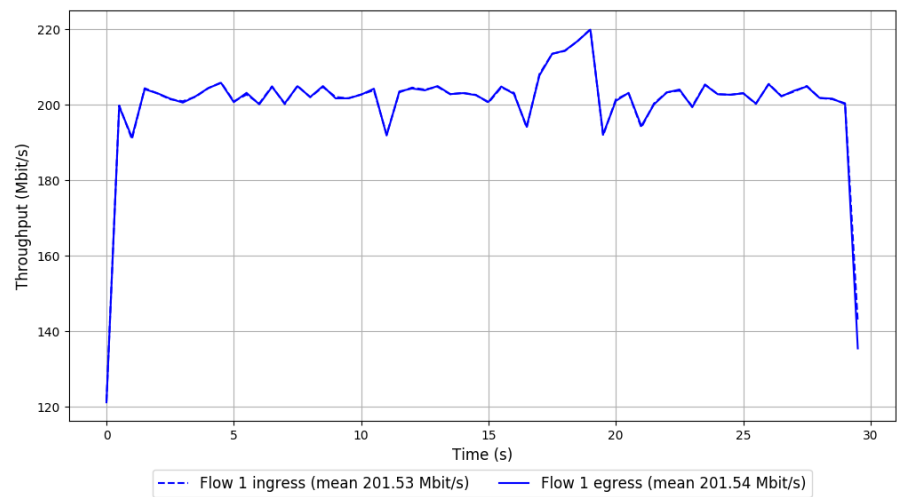
-- Flow 1:

Average throughput: 201.54 Mbit/s

95th percentile per-packet one-way delay: 0.866 ms

Loss rate: 0.06%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-27 05:13:17

End at: 2018-03-27 05:13:47

Local clock offset: -1.23 ms

Remote clock offset: -6.345 ms

Below is generated by plot.py at 2018-03-27 12:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.74 Mbit/s

95th percentile per-packet one-way delay: 1.288 ms

Loss rate: 0.06%

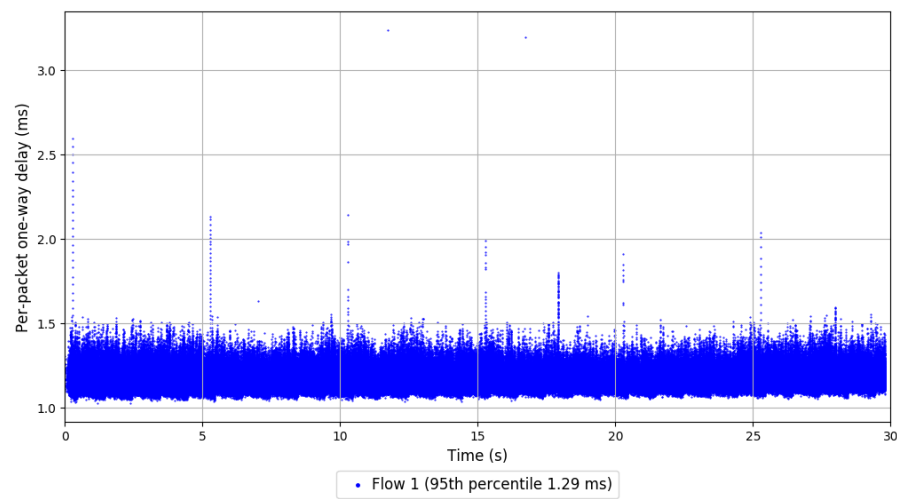
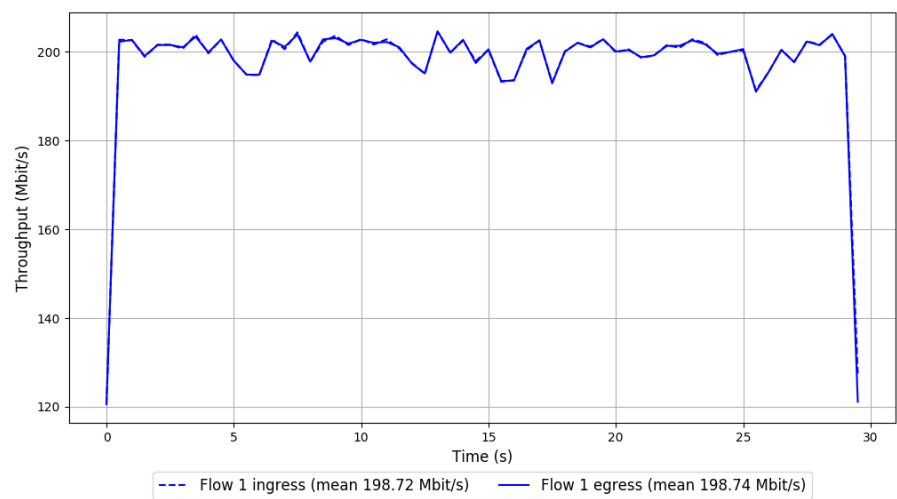
-- Flow 1:

Average throughput: 198.74 Mbit/s

95th percentile per-packet one-way delay: 1.288 ms

Loss rate: 0.06%

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

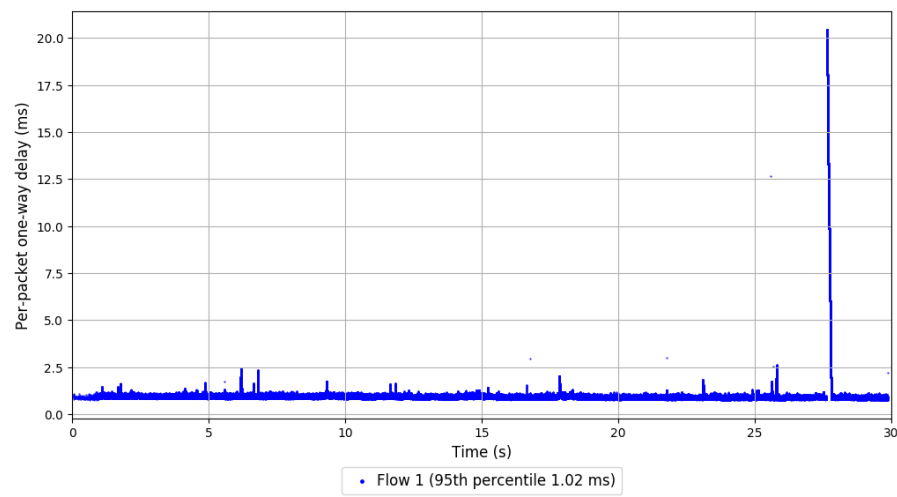
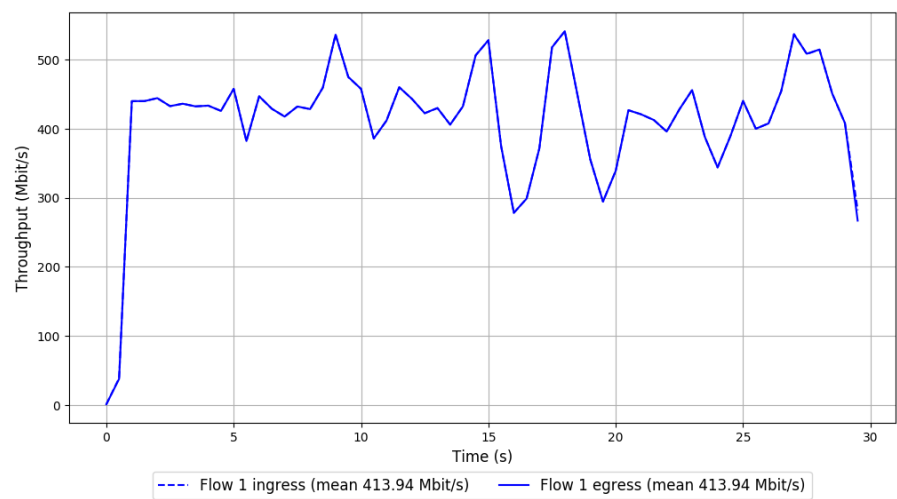


Run 1: Statistics of Vivace-latency

Start at: 2018-03-27 00:33:42
End at: 2018-03-27 00:34:12
Local clock offset: 3.527 ms
Remote clock offset: -6.049 ms

Below is generated by plot.py at 2018-03-27 12:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 413.94 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 413.94 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.06%

Run 1: Report of Vivace-latency — Data Link

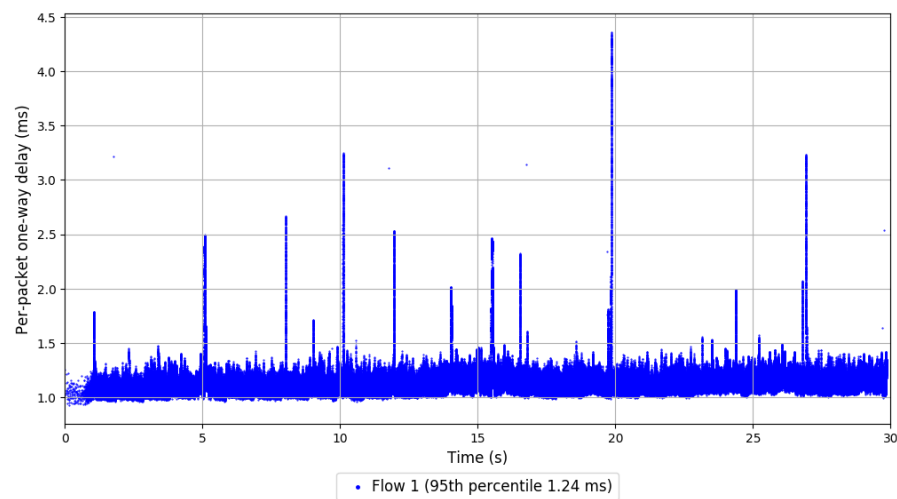
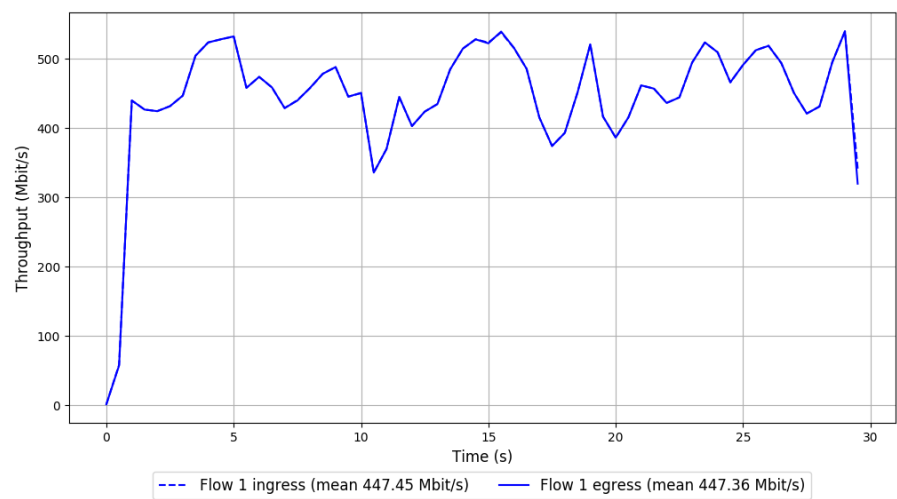


Run 2: Statistics of Vivace-latency

Start at: 2018-03-27 01:01:17
End at: 2018-03-27 01:01:47
Local clock offset: 3.711 ms
Remote clock offset: -7.084 ms

Below is generated by plot.py at 2018-03-27 12:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 447.36 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 447.36 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.09%

Run 2: Report of Vivace-latency — Data Link

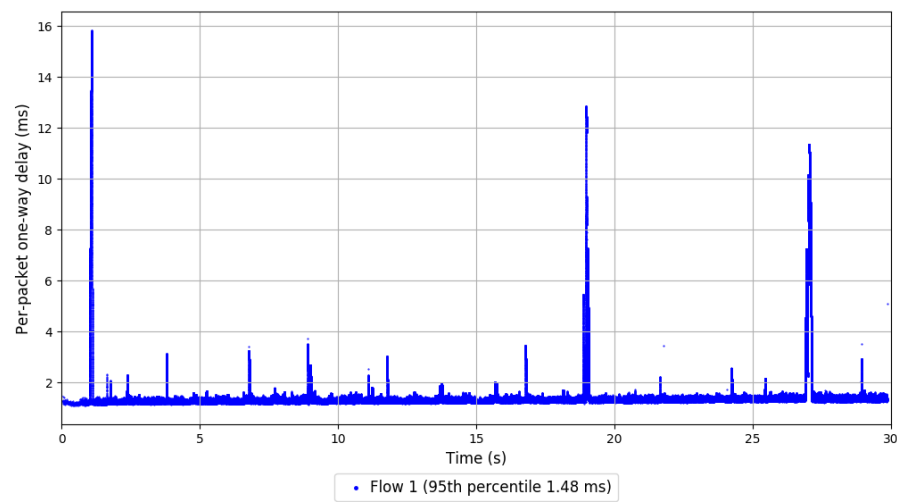
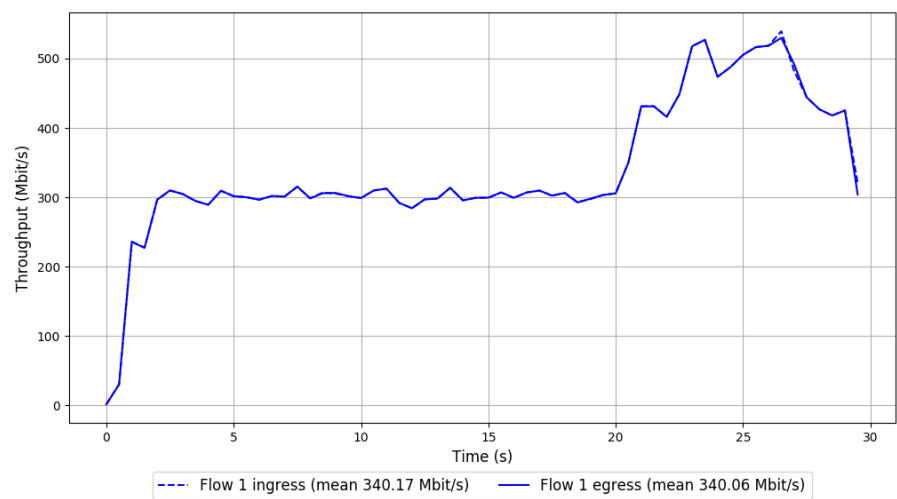


Run 3: Statistics of Vivace-latency

Start at: 2018-03-27 01:28:48
End at: 2018-03-27 01:29:18
Local clock offset: 1.497 ms
Remote clock offset: -6.029 ms

Below is generated by plot.py at 2018-03-27 12:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 340.06 Mbit/s
95th percentile per-packet one-way delay: 1.475 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 340.06 Mbit/s
95th percentile per-packet one-way delay: 1.475 ms
Loss rate: 0.09%

Run 3: Report of Vivace-latency — Data Link

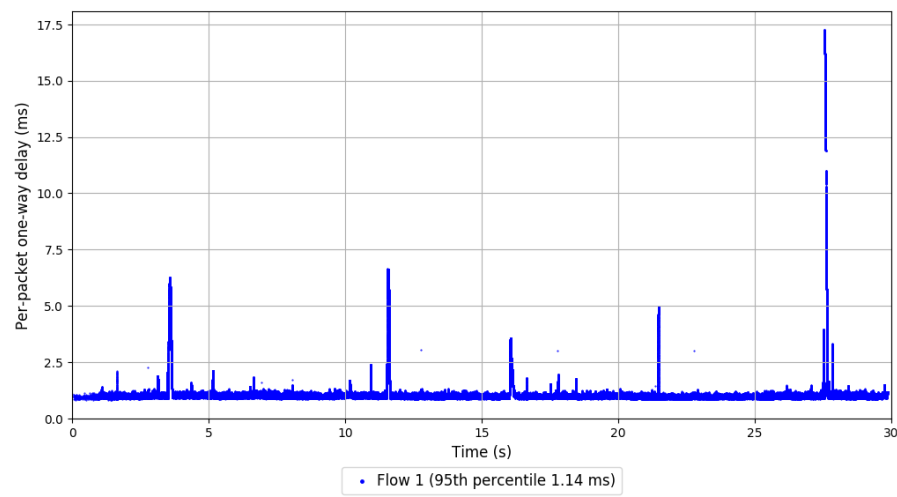
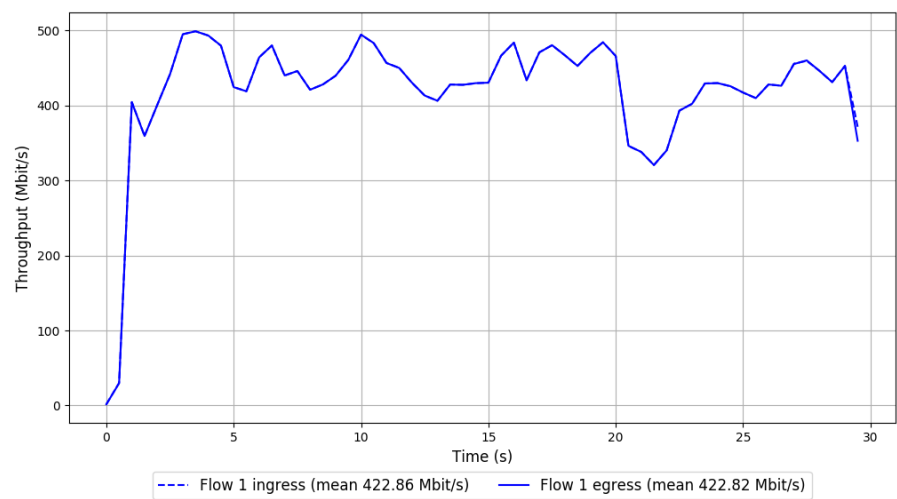


Run 4: Statistics of Vivace-latency

Start at: 2018-03-27 01:56:25
End at: 2018-03-27 01:56:55
Local clock offset: -1.03 ms
Remote clock offset: -5.159 ms

Below is generated by plot.py at 2018-03-27 12:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 422.82 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 422.82 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.08%

Run 4: Report of Vivace-latency — Data Link

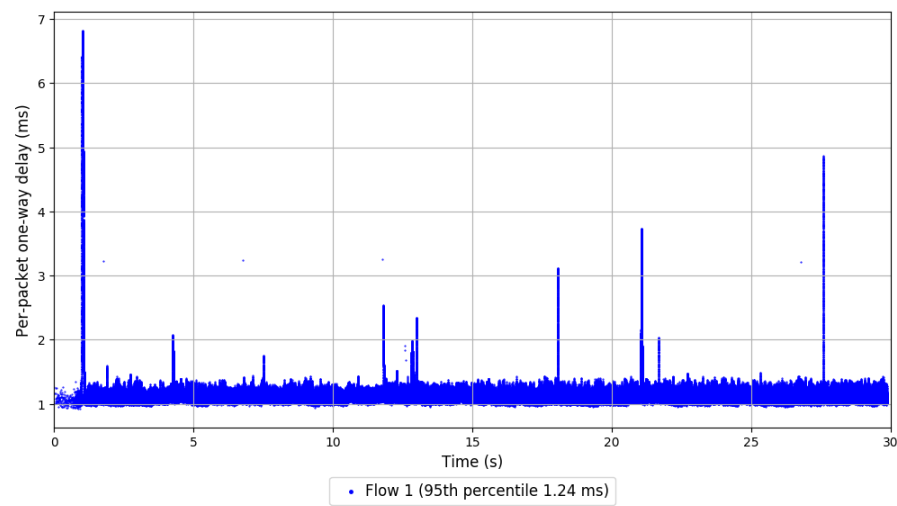
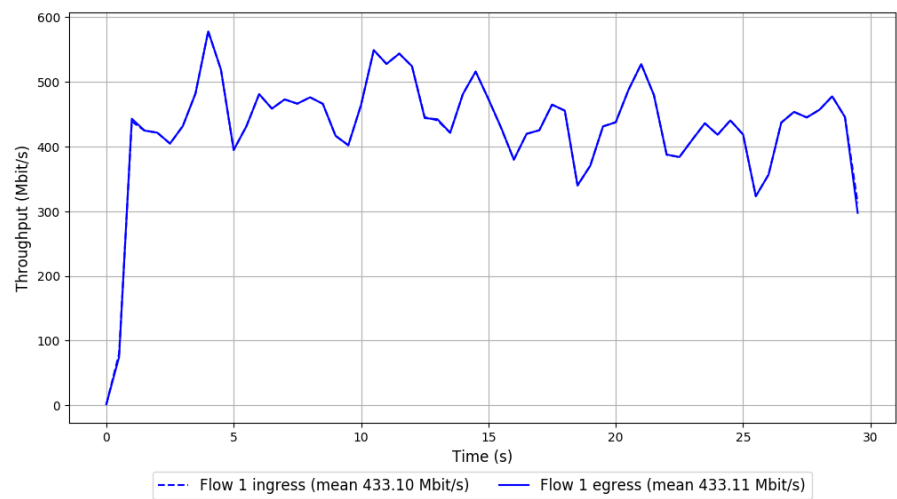


Run 5: Statistics of Vivace-latency

Start at: 2018-03-27 02:24:03
End at: 2018-03-27 02:24:33
Local clock offset: -1.086 ms
Remote clock offset: -6.092 ms

Below is generated by plot.py at 2018-03-27 12:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 433.11 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 433.11 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.06%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-27 02:51:42

End at: 2018-03-27 02:52:12

Local clock offset: 10.783 ms

Remote clock offset: -5.5 ms

Below is generated by plot.py at 2018-03-27 12:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 418.79 Mbit/s

95th percentile per-packet one-way delay: 1.066 ms

Loss rate: 0.05%

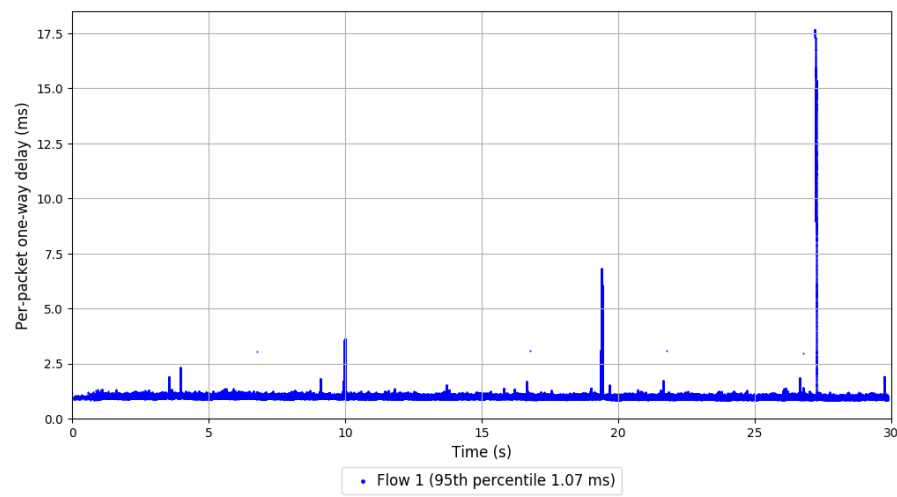
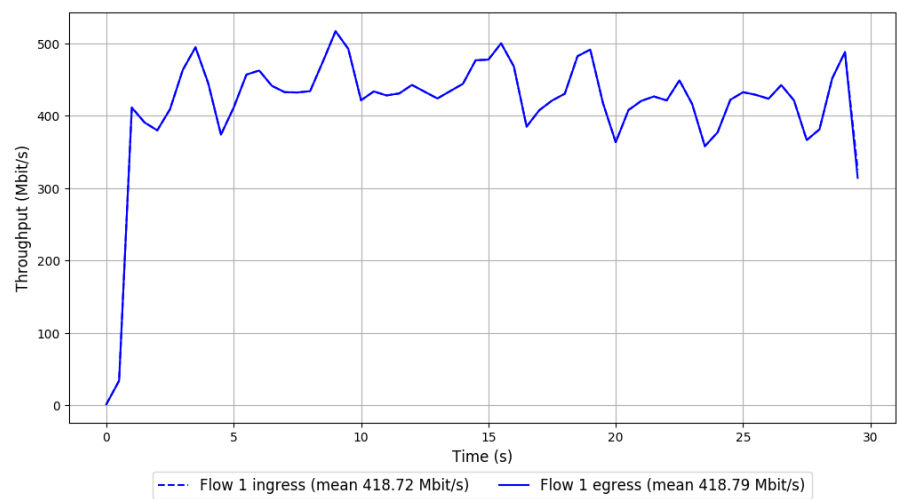
-- Flow 1:

Average throughput: 418.79 Mbit/s

95th percentile per-packet one-way delay: 1.066 ms

Loss rate: 0.05%

Run 6: Report of Vivace-latency — Data Link

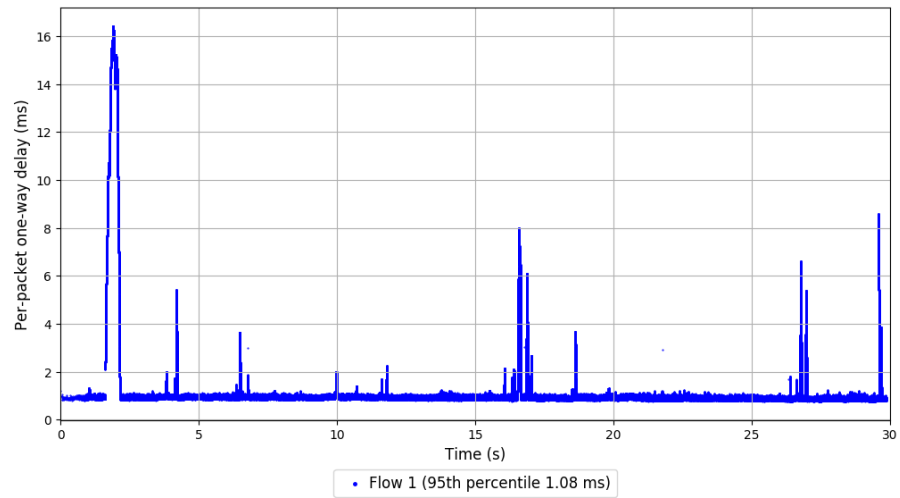
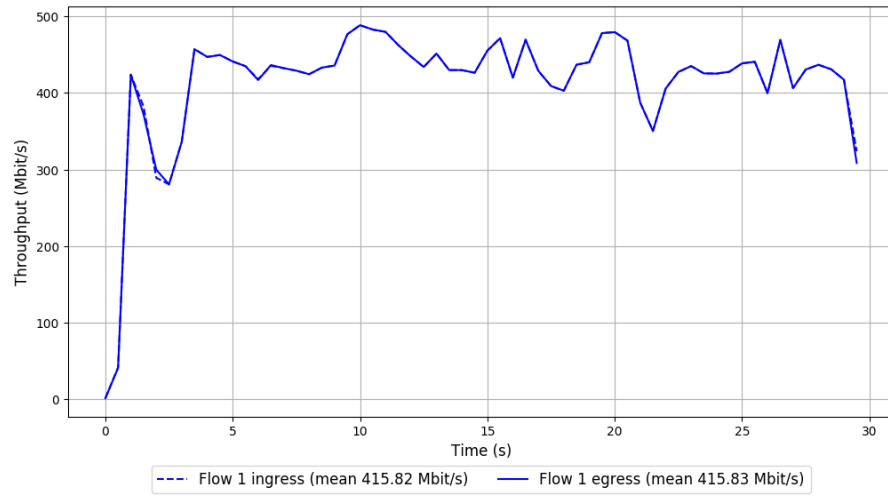


Run 7: Statistics of Vivace-latency

Start at: 2018-03-27 03:19:08
End at: 2018-03-27 03:19:38
Local clock offset: 14.465 ms
Remote clock offset: -4.782 ms

Below is generated by plot.py at 2018-03-27 12:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 415.83 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 415.83 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.06%

Run 7: Report of Vivace-latency — Data Link

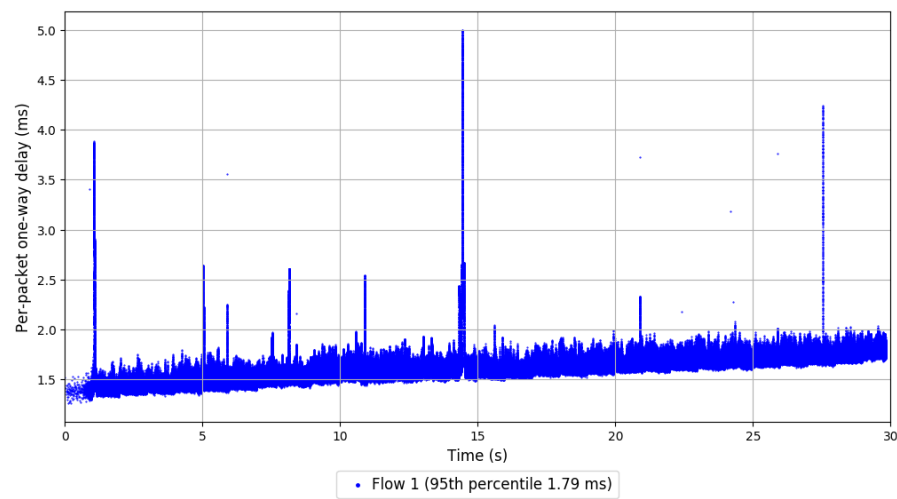
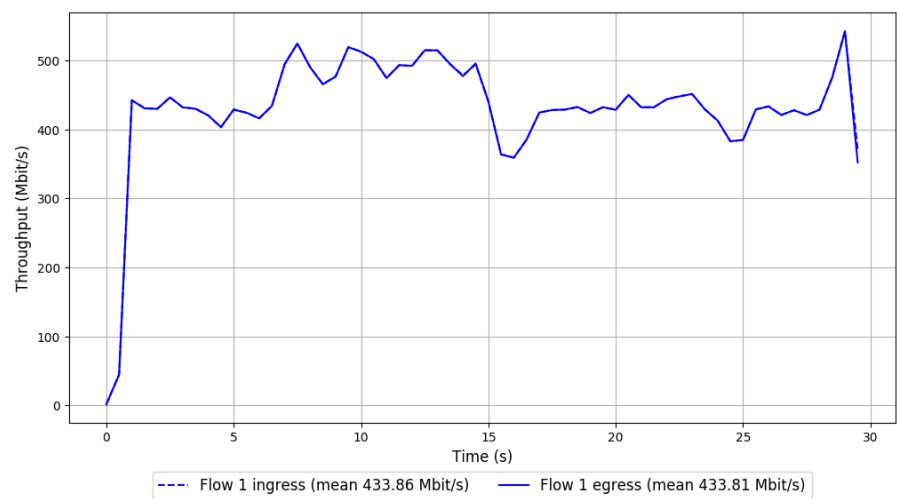


Run 8: Statistics of Vivace-latency

Start at: 2018-03-27 03:46:50
End at: 2018-03-27 03:47:20
Local clock offset: 3.726 ms
Remote clock offset: -5.196 ms

Below is generated by plot.py at 2018-03-27 12:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 433.81 Mbit/s
95th percentile per-packet one-way delay: 1.788 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 433.81 Mbit/s
95th percentile per-packet one-way delay: 1.788 ms
Loss rate: 0.08%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-03-27 04:42:53

End at: 2018-03-27 04:43:23

Local clock offset: -4.147 ms

Remote clock offset: -6.28 ms

Below is generated by plot.py at 2018-03-27 12:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.03 Mbit/s

95th percentile per-packet one-way delay: 1.250 ms

Loss rate: 0.07%

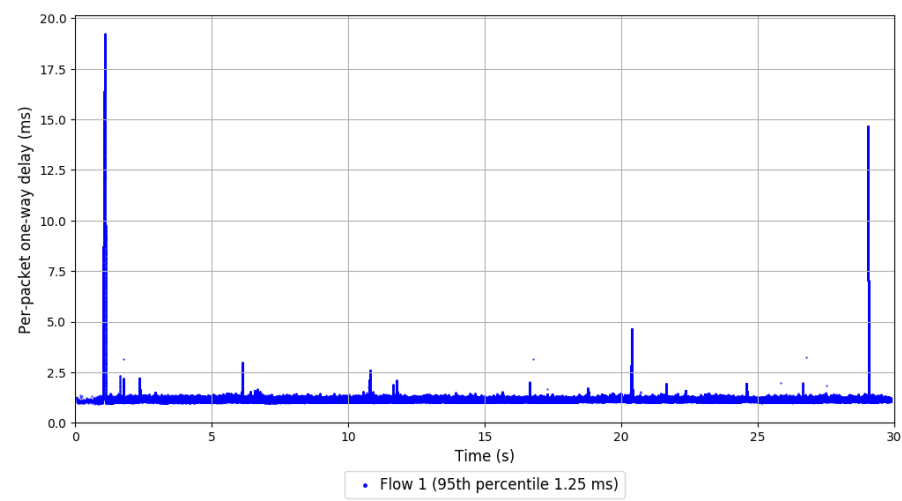
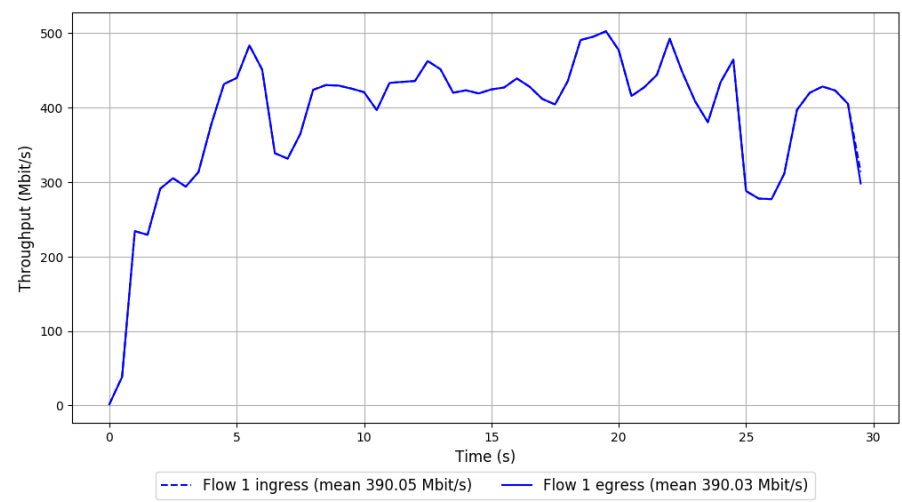
-- Flow 1:

Average throughput: 390.03 Mbit/s

95th percentile per-packet one-way delay: 1.250 ms

Loss rate: 0.07%

Run 9: Report of Vivace-latency — Data Link

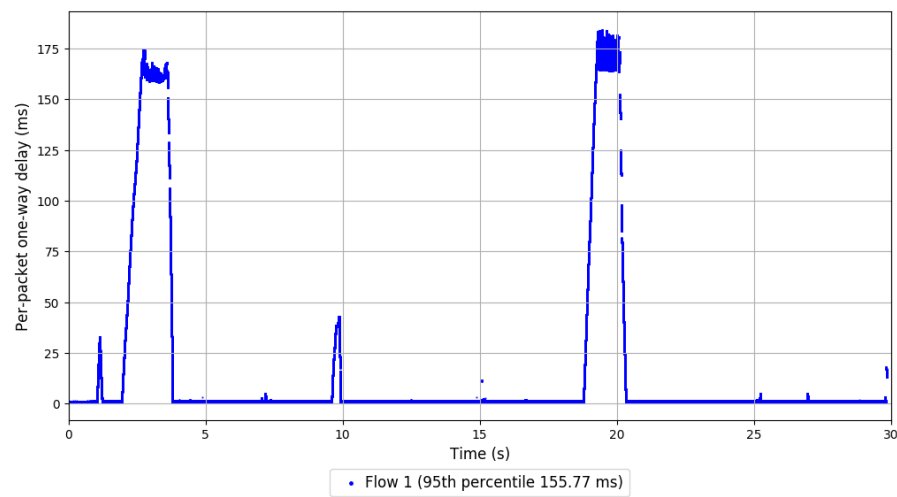
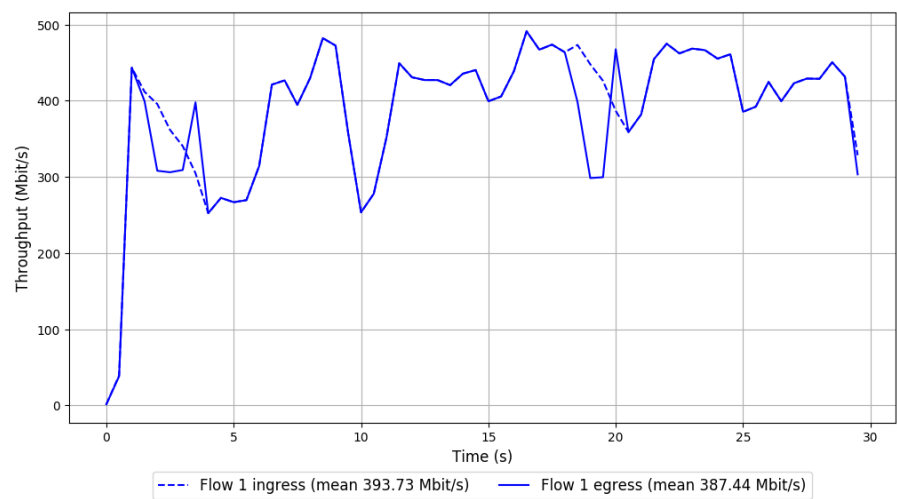


Run 10: Statistics of Vivace-latency

Start at: 2018-03-27 05:10:18
End at: 2018-03-27 05:10:48
Local clock offset: -1.158 ms
Remote clock offset: -6.382 ms

Below is generated by plot.py at 2018-03-27 12:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.44 Mbit/s
95th percentile per-packet one-way delay: 155.767 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 387.44 Mbit/s
95th percentile per-packet one-way delay: 155.767 ms
Loss rate: 1.66%

Run 10: Report of Vivace-latency — Data Link

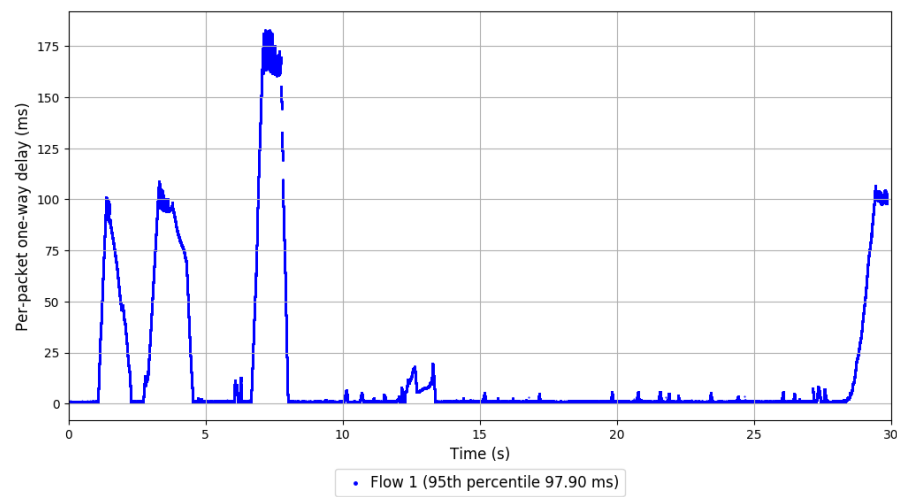
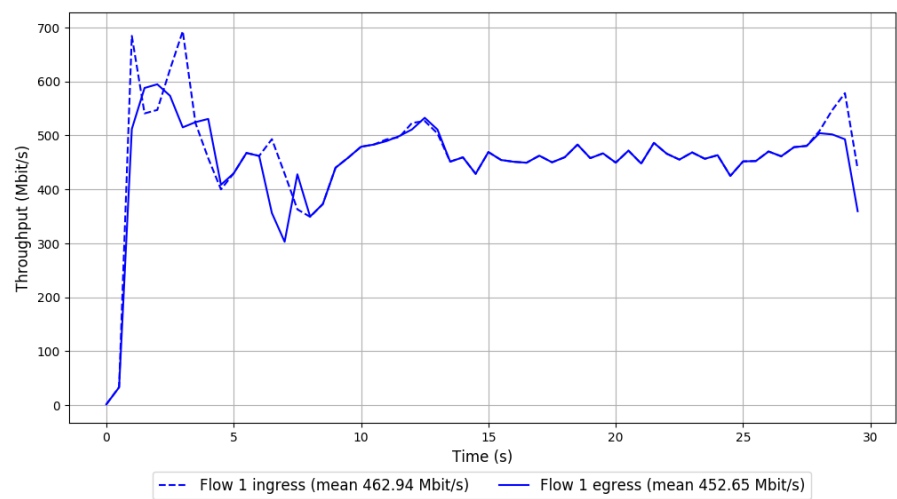


```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-27 00:56:32
End at: 2018-03-27 00:57:02
Local clock offset: 3.82 ms
Remote clock offset: -7.123 ms

# Below is generated by plot.py at 2018-03-27 12:08:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 452.65 Mbit/s
95th percentile per-packet one-way delay: 97.899 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 452.65 Mbit/s
95th percentile per-packet one-way delay: 97.899 ms
Loss rate: 2.29%
```

Run 1: Report of Vivace-loss — Data Link

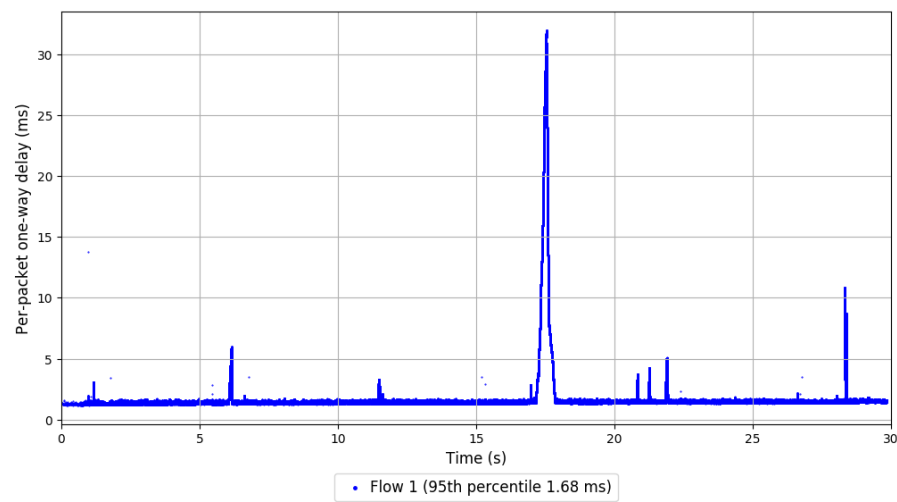
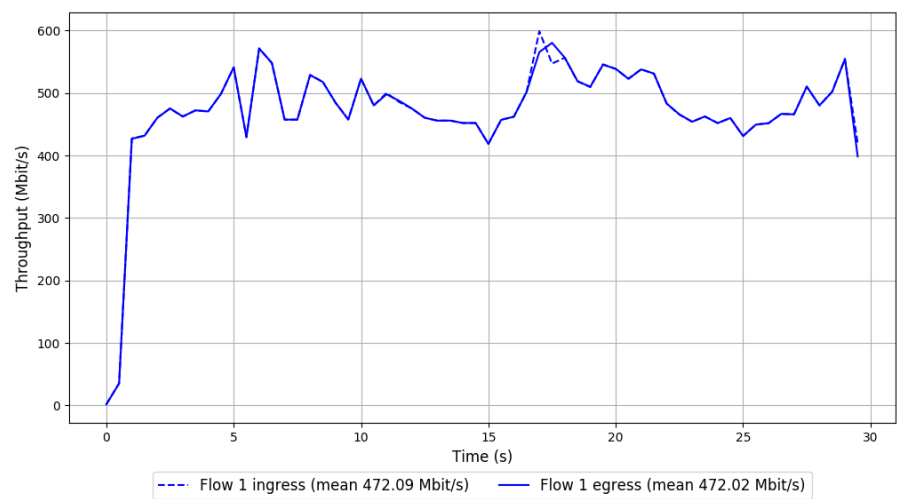


Run 2: Statistics of Vivace-loss

Start at: 2018-03-27 01:24:01
End at: 2018-03-27 01:24:31
Local clock offset: 2.749 ms
Remote clock offset: -6.094 ms

Below is generated by plot.py at 2018-03-27 12:09:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 472.02 Mbit/s
95th percentile per-packet one-way delay: 1.680 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 472.02 Mbit/s
95th percentile per-packet one-way delay: 1.680 ms
Loss rate: 0.08%

Run 2: Report of Vivace-loss — Data Link

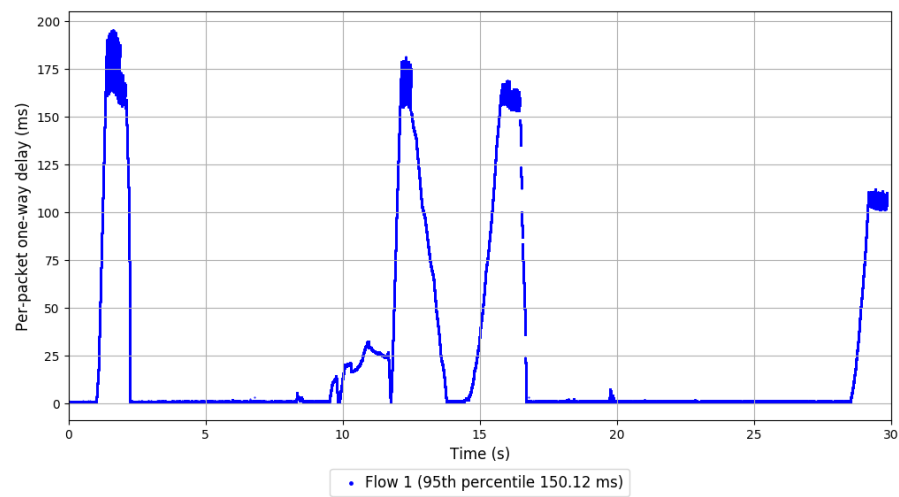
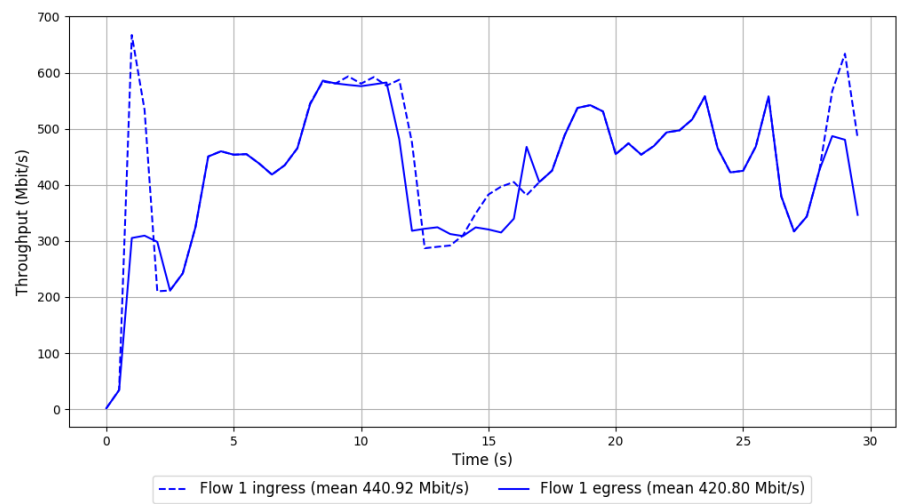


Run 3: Statistics of Vivace-loss

Start at: 2018-03-27 01:51:40
End at: 2018-03-27 01:52:10
Local clock offset: -1.015 ms
Remote clock offset: -5.135 ms

Below is generated by plot.py at 2018-03-27 12:10:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 420.80 Mbit/s
95th percentile per-packet one-way delay: 150.118 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 420.80 Mbit/s
95th percentile per-packet one-way delay: 150.118 ms
Loss rate: 4.63%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-03-27 02:19:17

End at: 2018-03-27 02:19:47

Local clock offset: -1.032 ms

Remote clock offset: -5.93 ms

Below is generated by plot.py at 2018-03-27 12:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 441.58 Mbit/s

95th percentile per-packet one-way delay: 7.649 ms

Loss rate: 0.08%

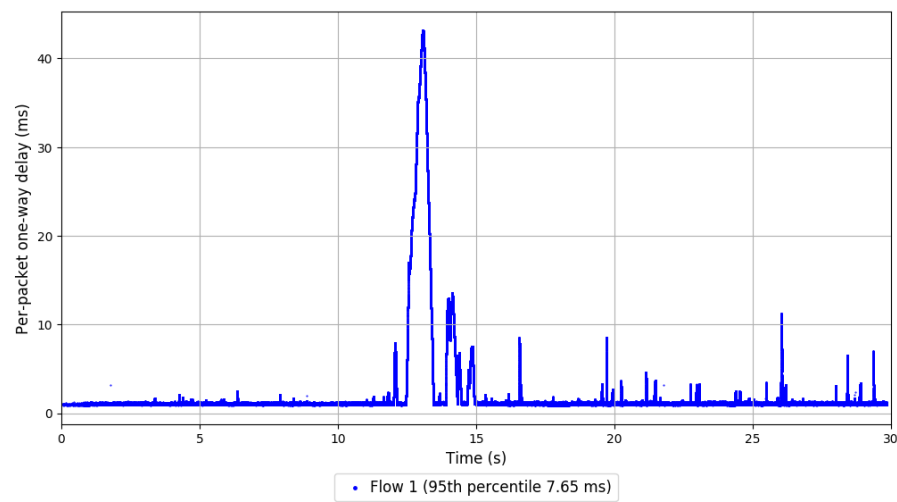
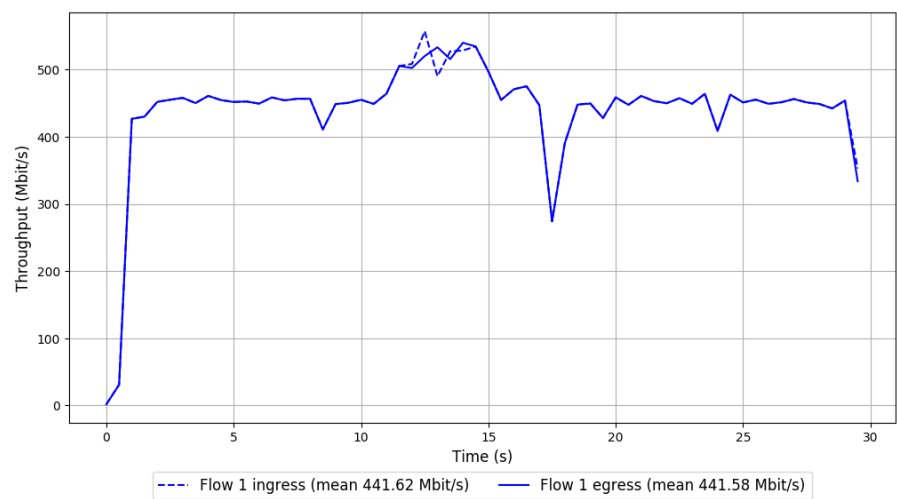
-- Flow 1:

Average throughput: 441.58 Mbit/s

95th percentile per-packet one-way delay: 7.649 ms

Loss rate: 0.08%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-27 02:46:55

End at: 2018-03-27 02:47:25

Local clock offset: 9.703 ms

Remote clock offset: -5.939 ms

Below is generated by plot.py at 2018-03-27 12:12:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.29 Mbit/s

95th percentile per-packet one-way delay: 98.007 ms

Loss rate: 2.07%

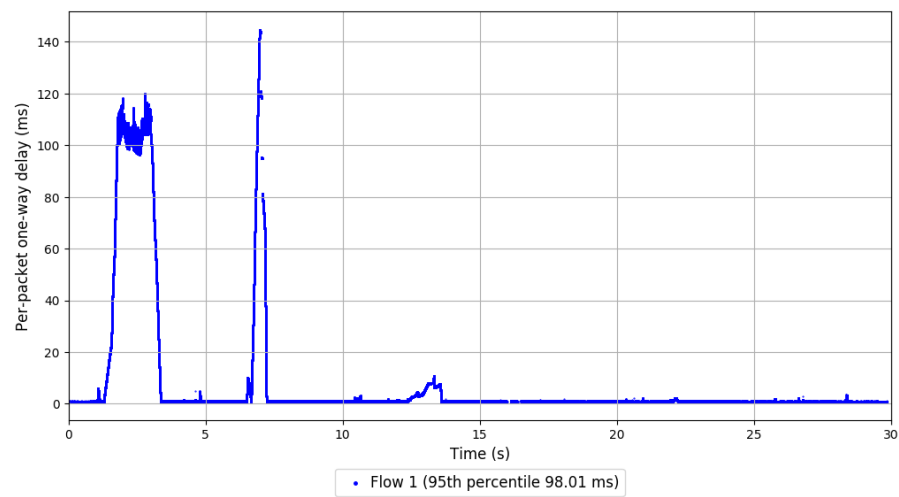
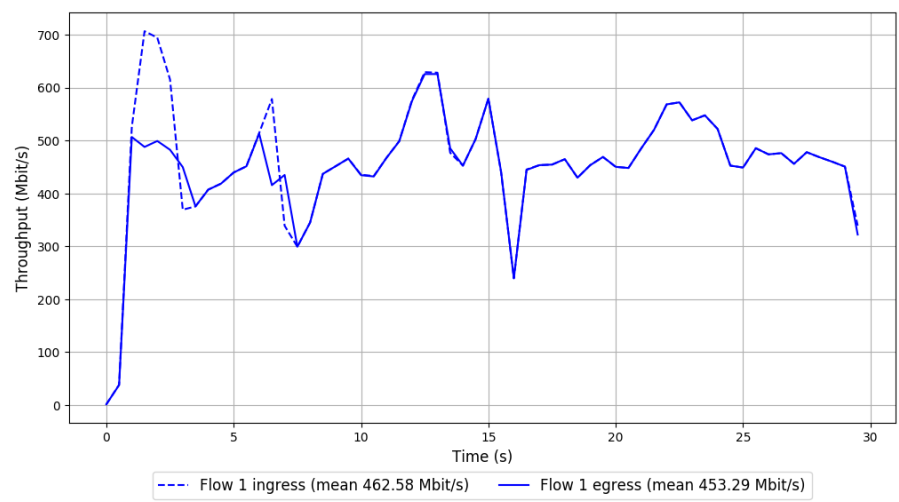
-- Flow 1:

Average throughput: 453.29 Mbit/s

95th percentile per-packet one-way delay: 98.007 ms

Loss rate: 2.07%

Run 5: Report of Vivace-loss — Data Link

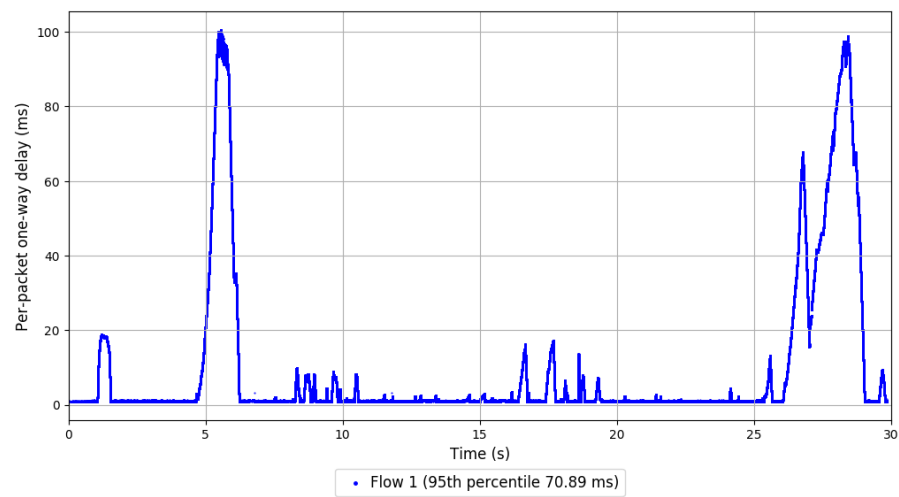
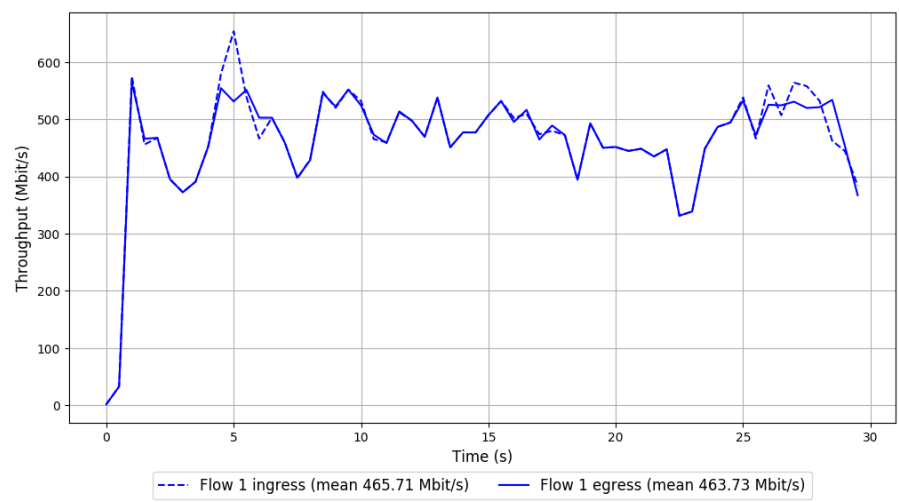


Run 6: Statistics of Vivace-loss

Start at: 2018-03-27 03:14:22
End at: 2018-03-27 03:14:52
Local clock offset: 13.882 ms
Remote clock offset: -4.742 ms

Below is generated by plot.py at 2018-03-27 12:13:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 463.73 Mbit/s
95th percentile per-packet one-way delay: 70.887 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 463.73 Mbit/s
95th percentile per-packet one-way delay: 70.887 ms
Loss rate: 0.49%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-03-27 03:42:02

End at: 2018-03-27 03:42:32

Local clock offset: 8.599 ms

Remote clock offset: -5.229 ms

Below is generated by plot.py at 2018-03-27 12:13:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 480.57 Mbit/s

95th percentile per-packet one-way delay: 59.255 ms

Loss rate: 0.28%

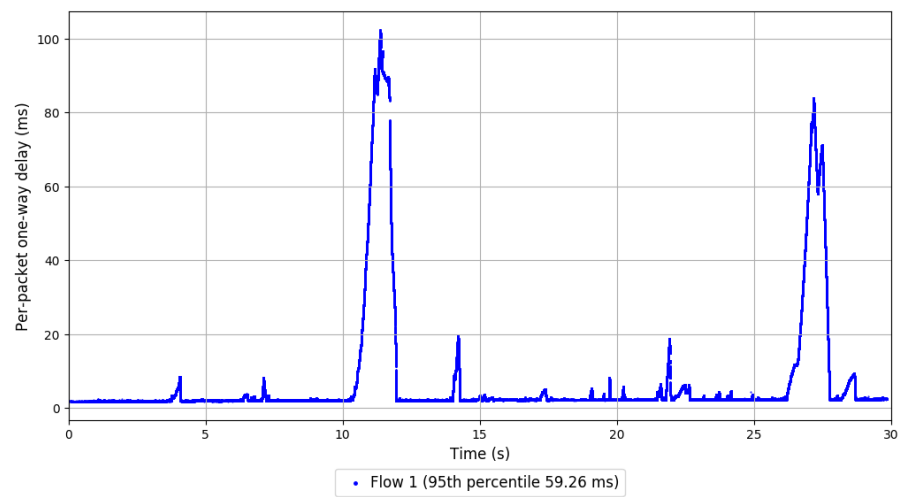
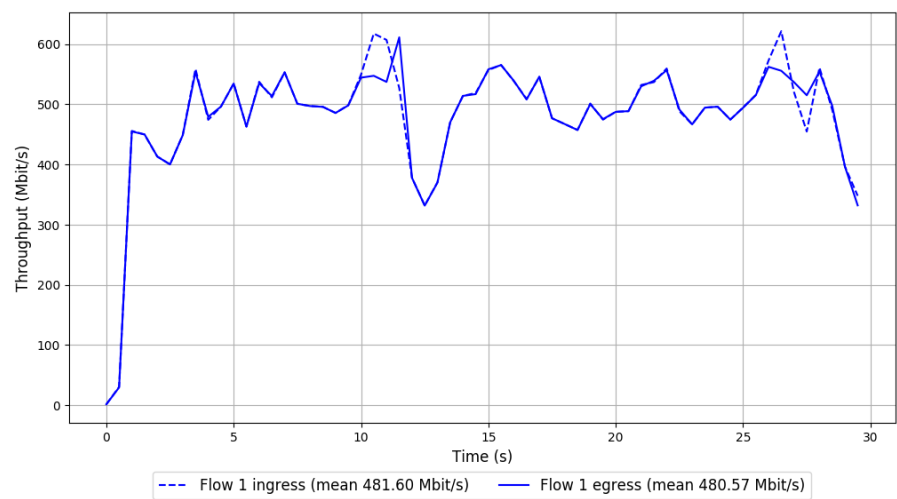
-- Flow 1:

Average throughput: 480.57 Mbit/s

95th percentile per-packet one-way delay: 59.255 ms

Loss rate: 0.28%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-27 04:38:06

End at: 2018-03-27 04:38:36

Local clock offset: -3.585 ms

Below is generated by plot.py at 2018-03-27 12:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 463.10 Mbit/s

95th percentile per-packet one-way delay: 3.522 ms

Loss rate: 0.60%

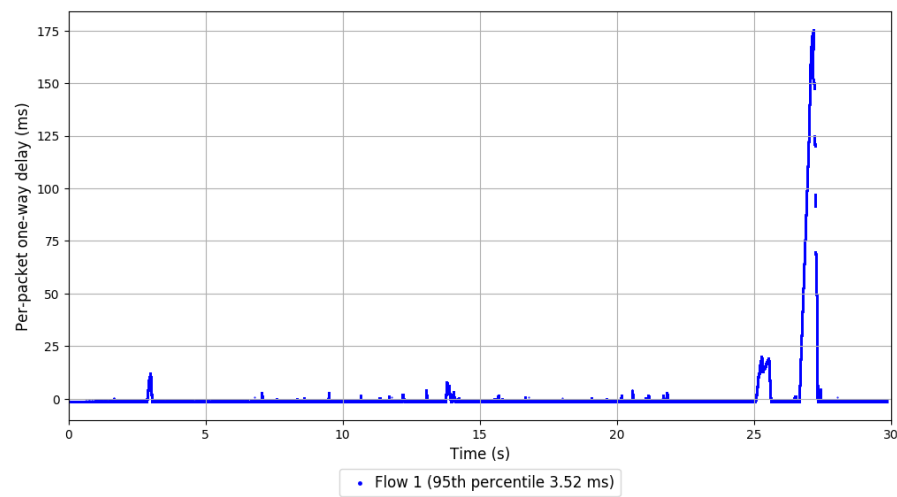
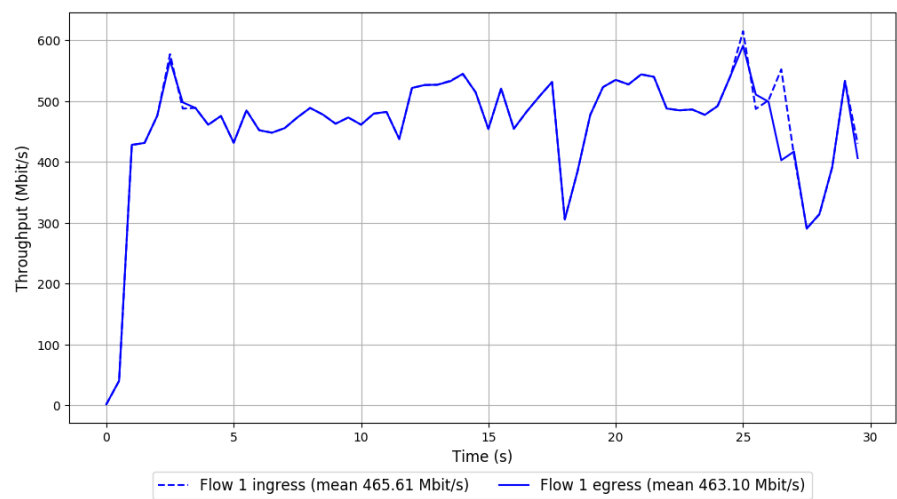
-- Flow 1:

Average throughput: 463.10 Mbit/s

95th percentile per-packet one-way delay: 3.522 ms

Loss rate: 0.60%

Run 8: Report of Vivace-loss — Data Link

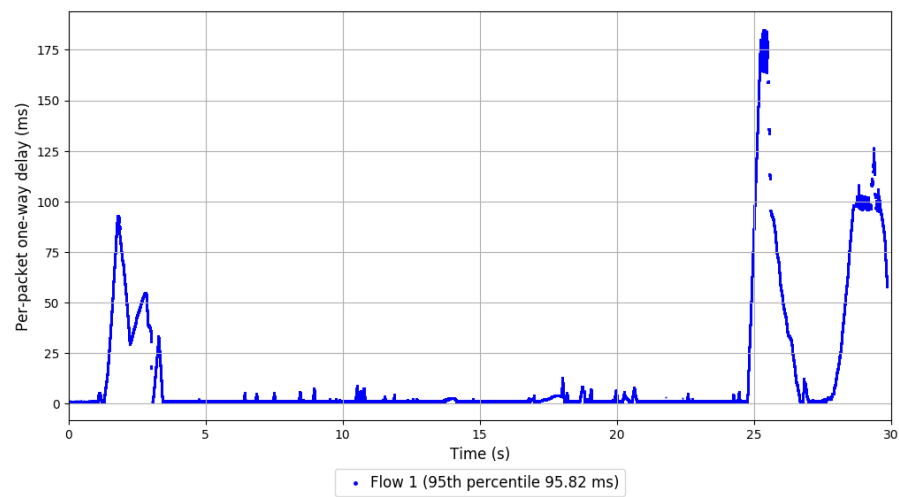
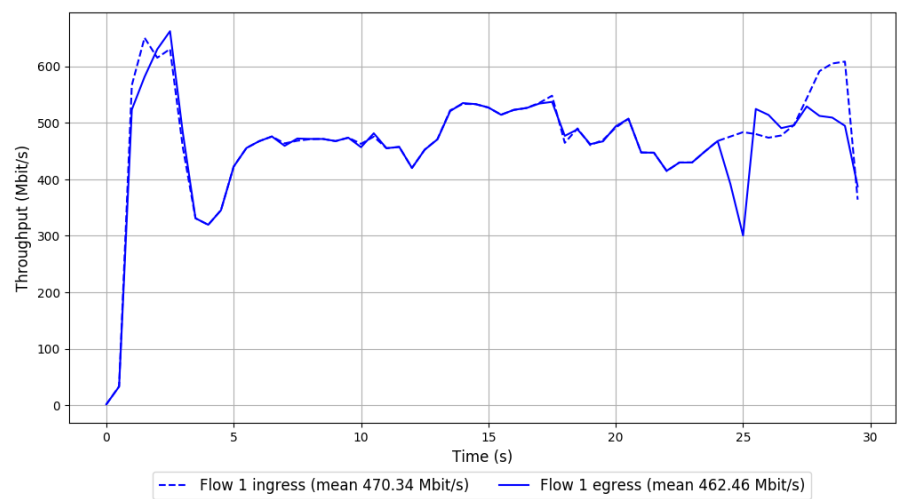


Run 9: Statistics of Vivace-loss

Start at: 2018-03-27 05:05:31
End at: 2018-03-27 05:06:01
Local clock offset: -1.157 ms
Remote clock offset: -6.492 ms

Below is generated by plot.py at 2018-03-27 12:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 462.46 Mbit/s
95th percentile per-packet one-way delay: 95.818 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 462.46 Mbit/s
95th percentile per-packet one-way delay: 95.818 ms
Loss rate: 1.74%

Run 9: Report of Vivace-loss — Data Link

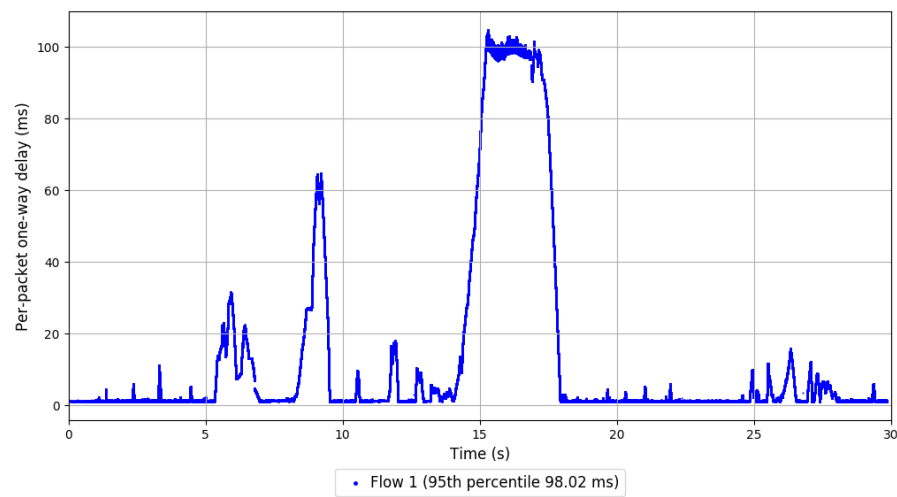
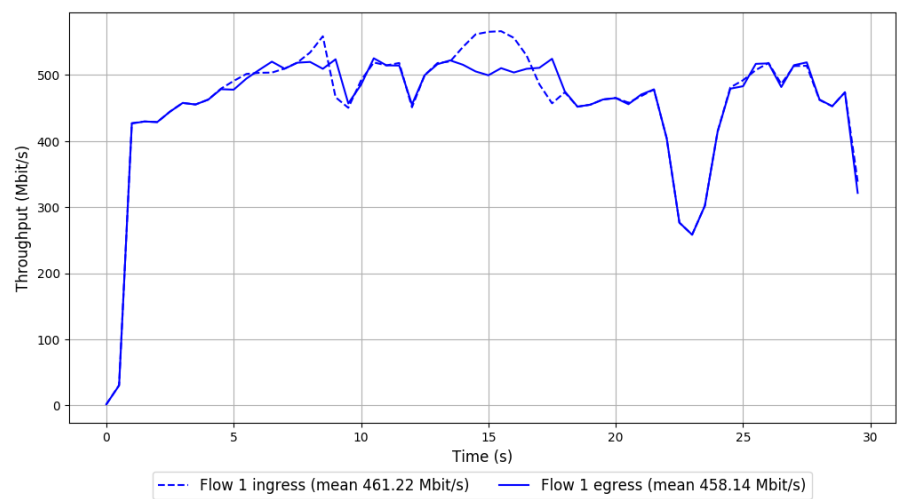


Run 10: Statistics of Vivace-loss

Start at: 2018-03-27 05:33:00
End at: 2018-03-27 05:33:30
Local clock offset: -0.618 ms
Remote clock offset: -6.241 ms

Below is generated by plot.py at 2018-03-27 12:16:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 458.14 Mbit/s
95th percentile per-packet one-way delay: 98.015 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 458.14 Mbit/s
95th percentile per-packet one-way delay: 98.015 ms
Loss rate: 0.73%

Run 10: Report of Vivace-loss — Data Link

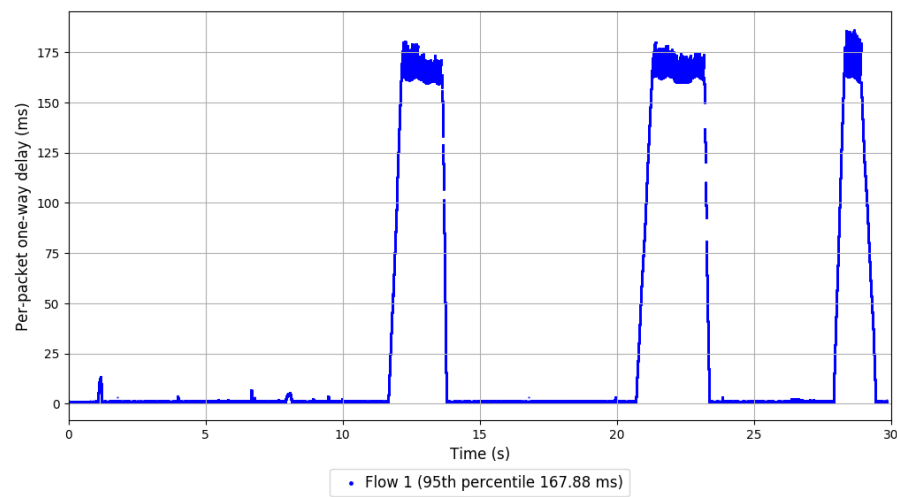
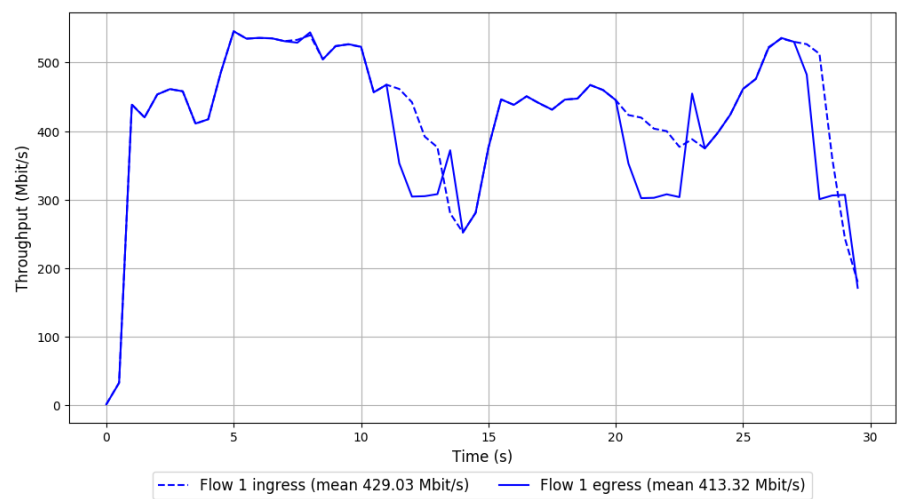


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-27 00:58:13
End at: 2018-03-27 00:58:43
Local clock offset: 3.799 ms
Remote clock offset: -7.151 ms

Below is generated by plot.py at 2018-03-27 12:16:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 413.32 Mbit/s
95th percentile per-packet one-way delay: 167.878 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 413.32 Mbit/s
95th percentile per-packet one-way delay: 167.878 ms
Loss rate: 3.72%

Run 1: Report of Vivace-LTE — Data Link

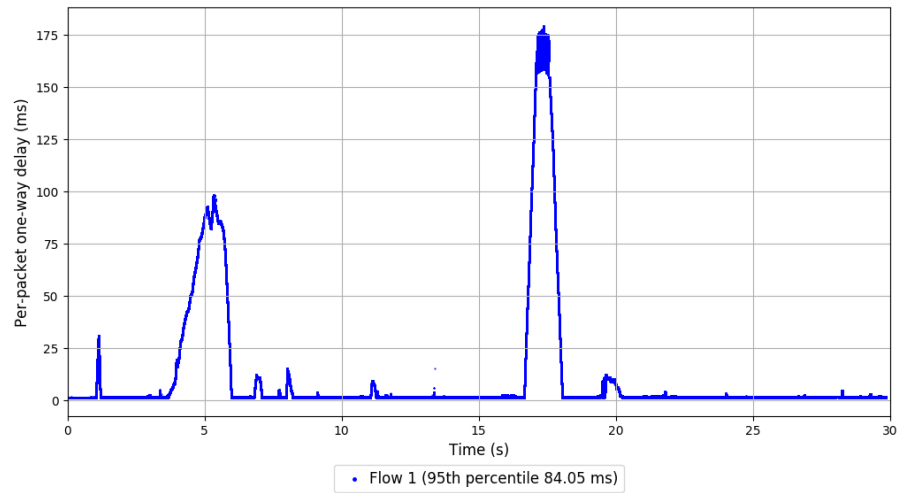
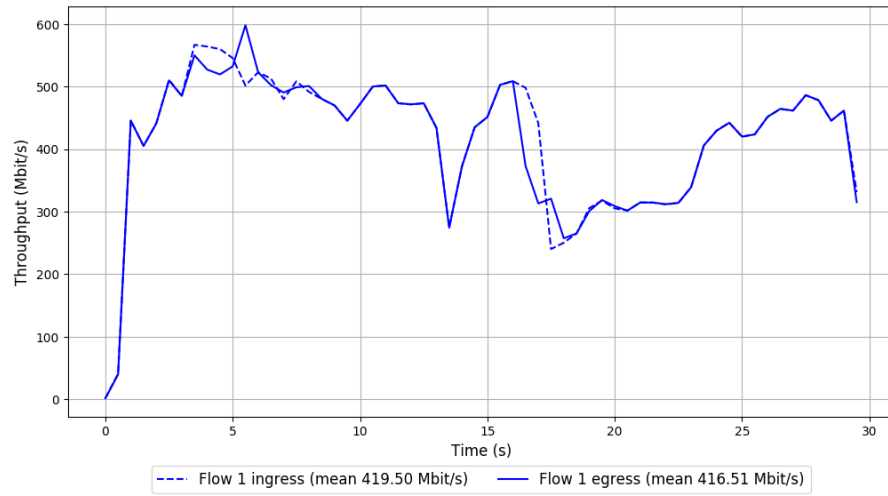


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-27 01:25:43
End at: 2018-03-27 01:26:13
Local clock offset: 2.261 ms
Remote clock offset: -6.025 ms

Below is generated by plot.py at 2018-03-27 12:17:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 416.51 Mbit/s
95th percentile per-packet one-way delay: 84.053 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 416.51 Mbit/s
95th percentile per-packet one-way delay: 84.053 ms
Loss rate: 0.78%

Run 2: Report of Vivace-LTE — Data Link

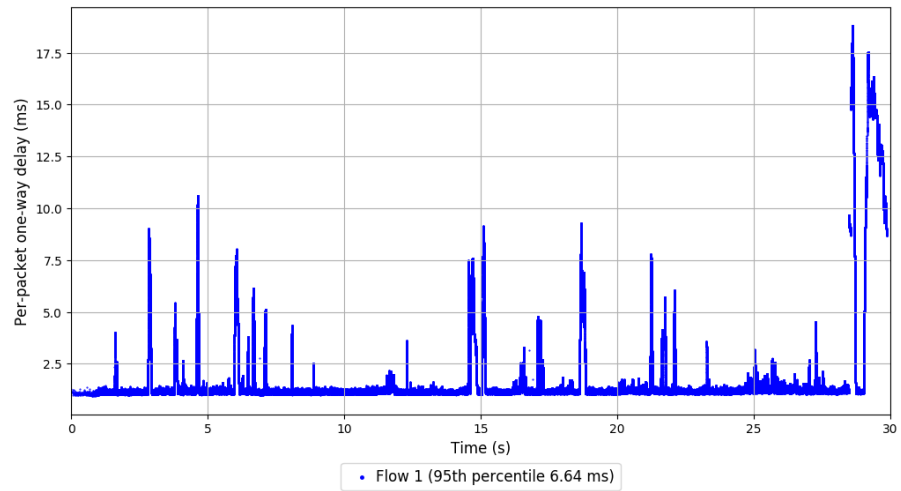
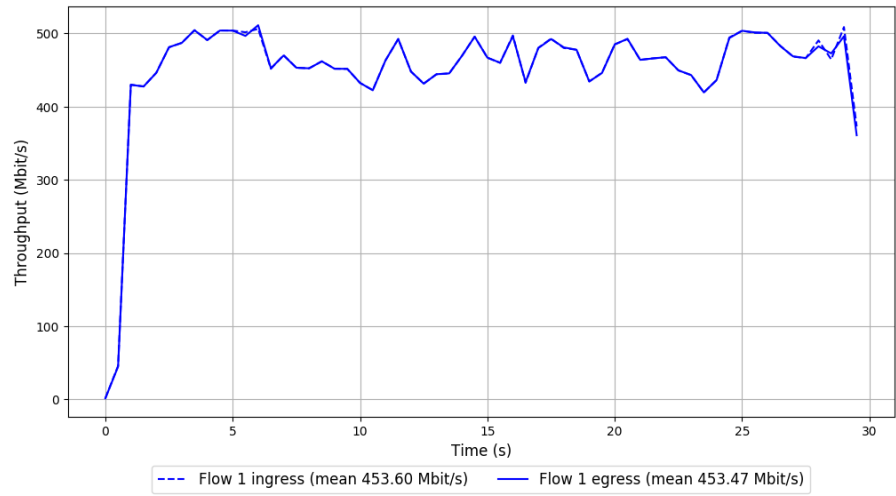


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-27 01:53:19
End at: 2018-03-27 01:53:49
Local clock offset: -0.972 ms
Remote clock offset: -5.132 ms

Below is generated by plot.py at 2018-03-27 12:19:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 453.47 Mbit/s
95th percentile per-packet one-way delay: 6.639 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 453.47 Mbit/s
95th percentile per-packet one-way delay: 6.639 ms
Loss rate: 0.10%

Run 3: Report of Vivace-LTE — Data Link

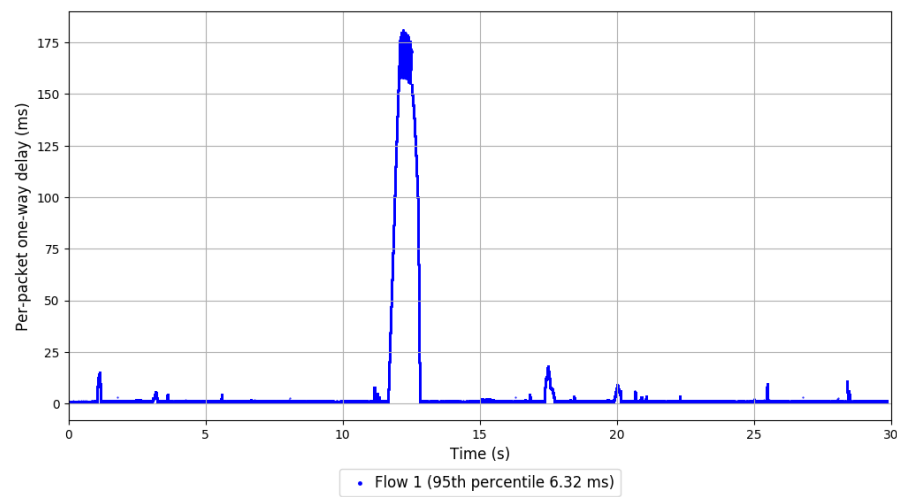
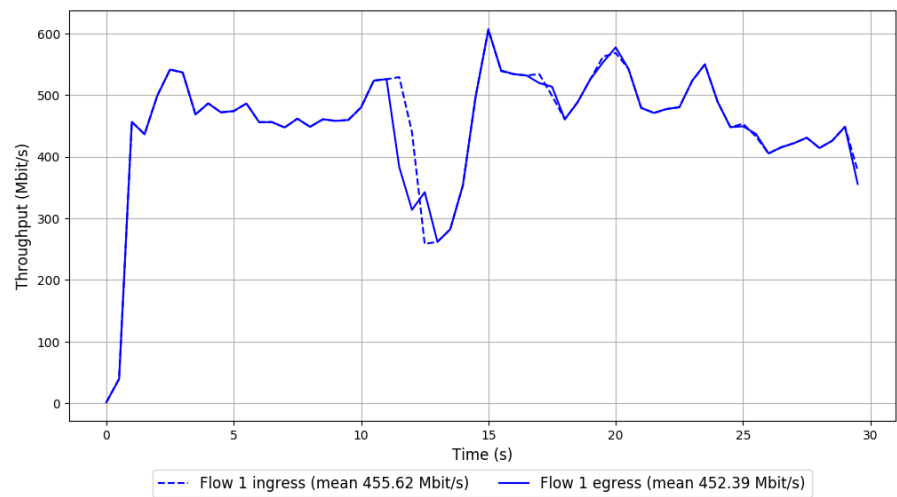


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-27 02:20:58
End at: 2018-03-27 02:21:28
Local clock offset: -1.052 ms
Remote clock offset: -6.029 ms

Below is generated by plot.py at 2018-03-27 12:20:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 452.39 Mbit/s
95th percentile per-packet one-way delay: 6.321 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 452.39 Mbit/s
95th percentile per-packet one-way delay: 6.321 ms
Loss rate: 0.78%

Run 4: Report of Vivace-LTE — Data Link

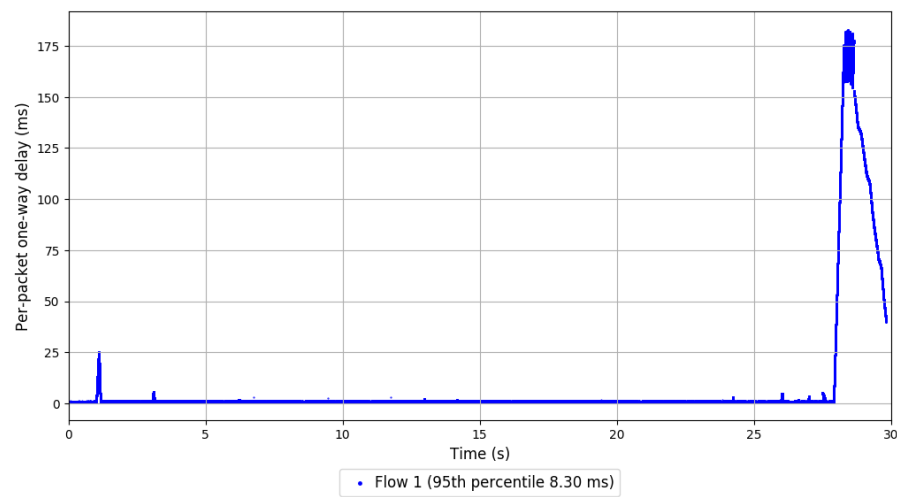
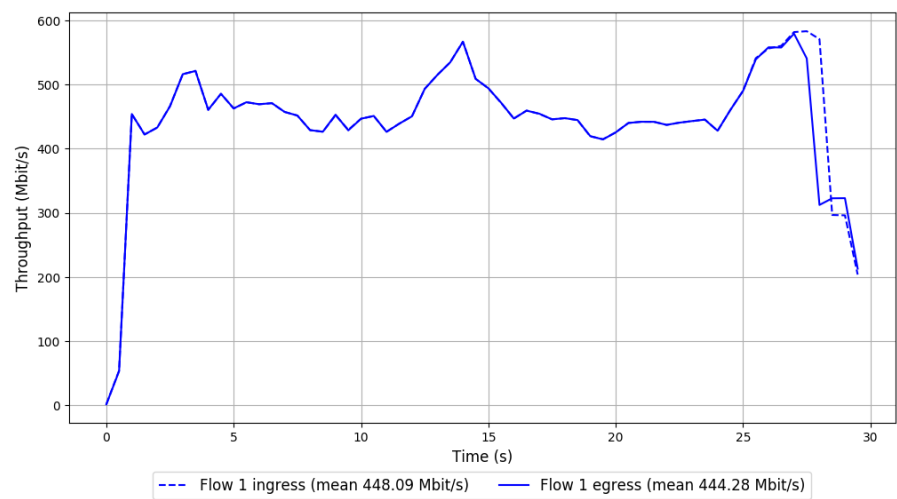


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-27 02:48:36
End at: 2018-03-27 02:49:06
Local clock offset: 10.112 ms
Remote clock offset: -5.787 ms

Below is generated by plot.py at 2018-03-27 12:20:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 444.28 Mbit/s
95th percentile per-packet one-way delay: 8.296 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 444.28 Mbit/s
95th percentile per-packet one-way delay: 8.296 ms
Loss rate: 0.92%

Run 5: Report of Vivace-LTE — Data Link

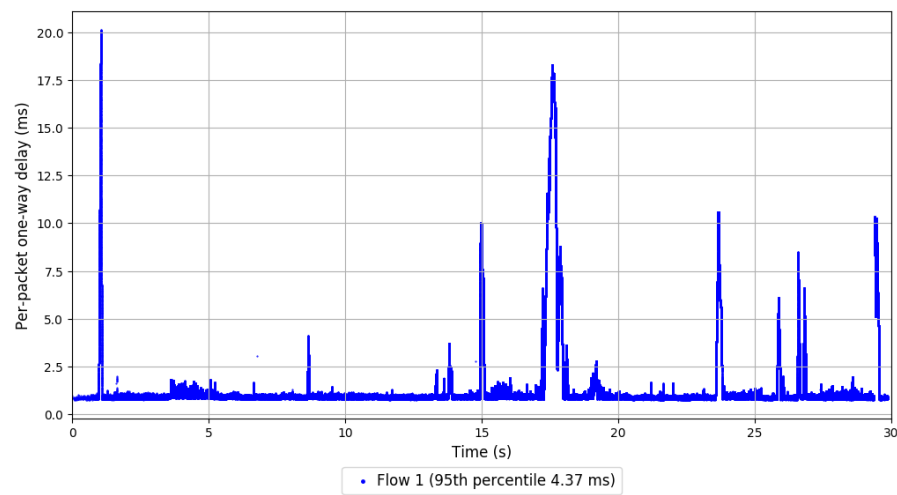
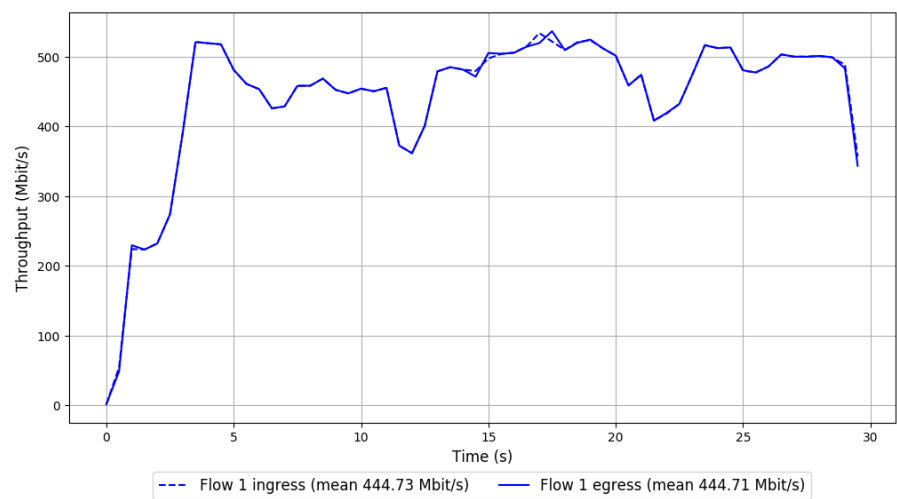


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-27 03:16:03
End at: 2018-03-27 03:16:33
Local clock offset: 14.109 ms
Remote clock offset: -4.615 ms

Below is generated by plot.py at 2018-03-27 12:21:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 444.71 Mbit/s
95th percentile per-packet one-way delay: 4.367 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 444.71 Mbit/s
95th percentile per-packet one-way delay: 4.367 ms
Loss rate: 0.07%

Run 6: Report of Vivace-LTE — Data Link

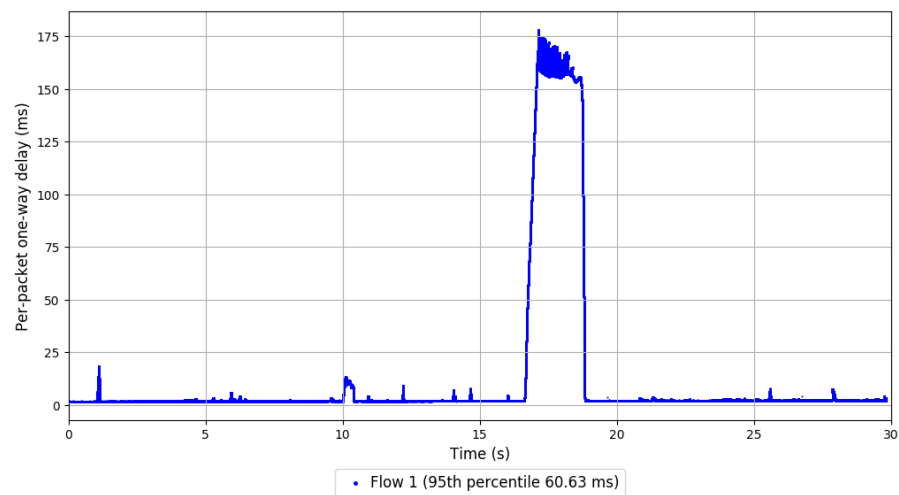
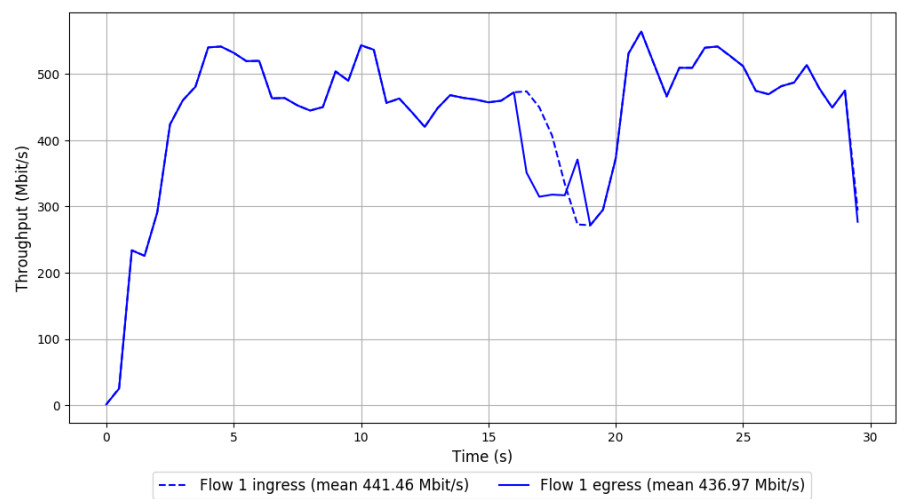


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-27 03:43:45
End at: 2018-03-27 03:44:15
Local clock offset: 6.644 ms
Remote clock offset: -5.164 ms

Below is generated by plot.py at 2018-03-27 12:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 436.97 Mbit/s
95th percentile per-packet one-way delay: 60.630 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 436.97 Mbit/s
95th percentile per-packet one-way delay: 60.630 ms
Loss rate: 1.08%

Run 7: Report of Vivace-LTE — Data Link

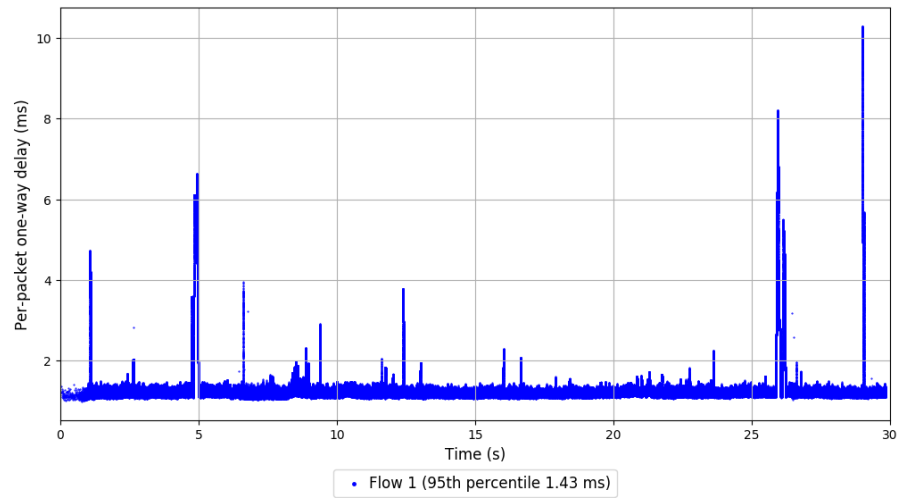
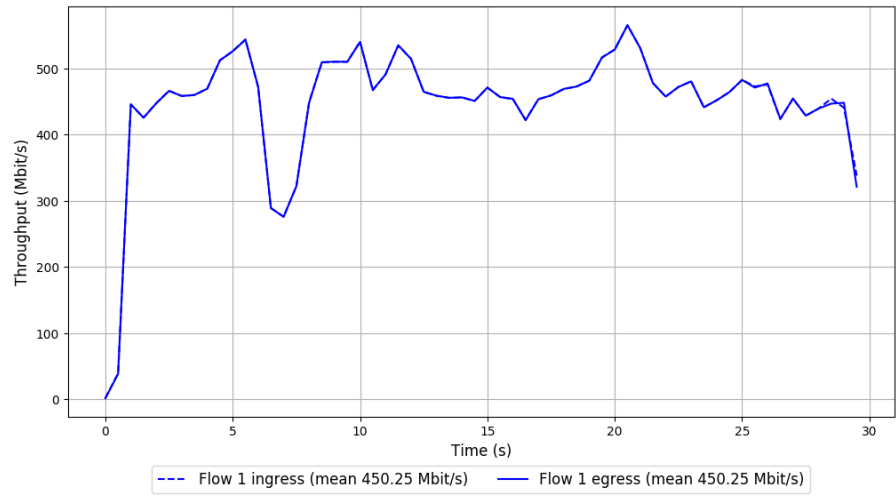


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-27 04:39:47
End at: 2018-03-27 04:40:17
Local clock offset: -3.845 ms
Remote clock offset: -6.175 ms

Below is generated by plot.py at 2018-03-27 12:22:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 450.25 Mbit/s
95th percentile per-packet one-way delay: 1.429 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 450.25 Mbit/s
95th percentile per-packet one-way delay: 1.429 ms
Loss rate: 0.07%

Run 8: Report of Vivace-LTE — Data Link

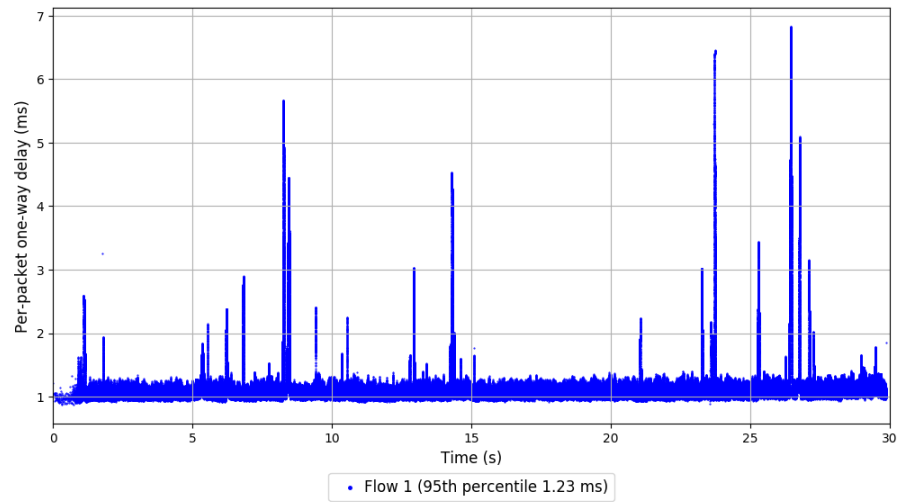
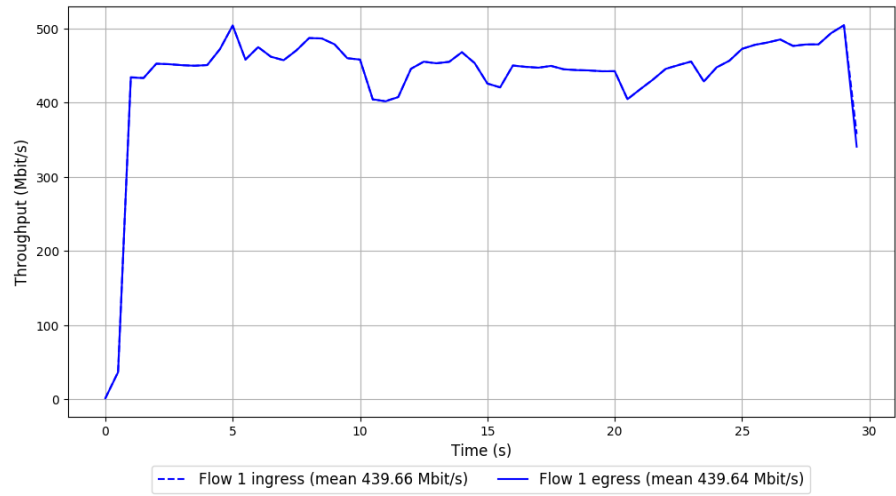


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-27 05:07:12
End at: 2018-03-27 05:07:42
Local clock offset: -1.149 ms
Remote clock offset: -6.366 ms

Below is generated by plot.py at 2018-03-27 12:22:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 439.64 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 439.64 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.07%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-27 05:34:41
End at: 2018-03-27 05:35:11
Local clock offset: -0.631 ms
Remote clock offset: -6.153 ms

Below is generated by plot.py at 2018-03-27 12:22:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 422.38 Mbit/s
95th percentile per-packet one-way delay: 1.441 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 422.38 Mbit/s
95th percentile per-packet one-way delay: 1.441 ms
Loss rate: 0.09%

Run 10: Report of Vivace-LTE — Data Link

