

Pantheon Report

Generated at 2018-02-16 06:23:04 (UTC).

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

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).

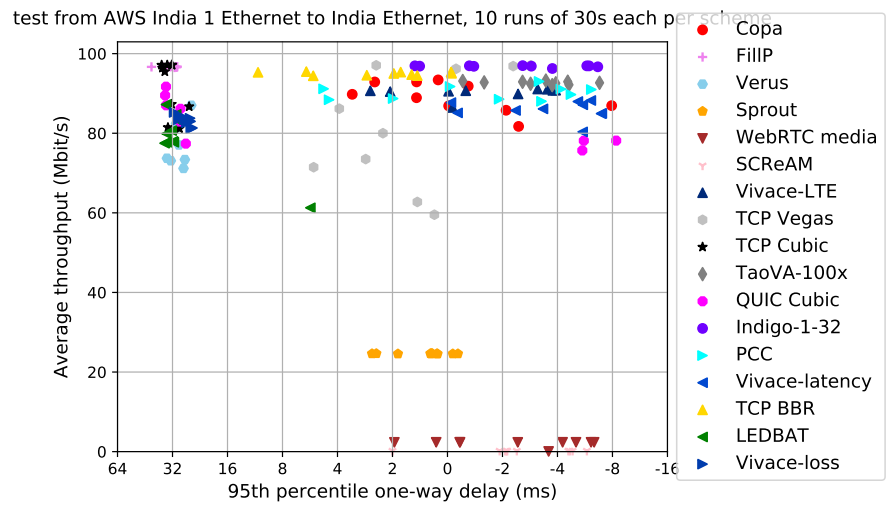
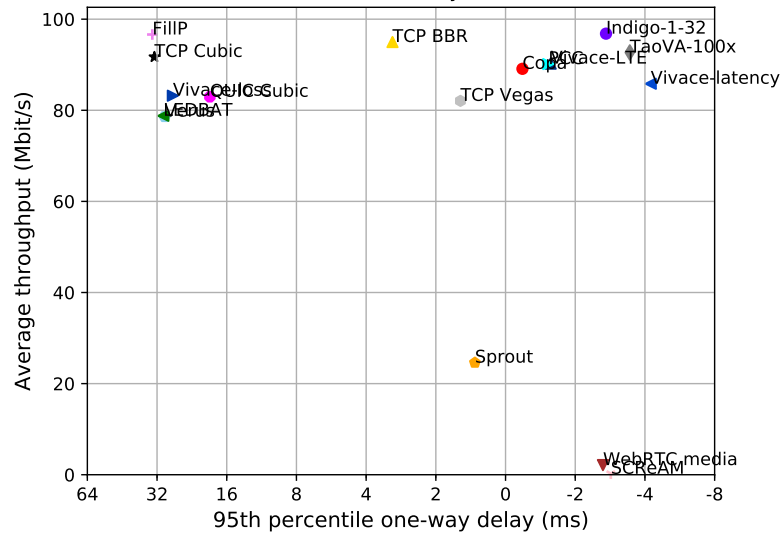
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fixlisp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



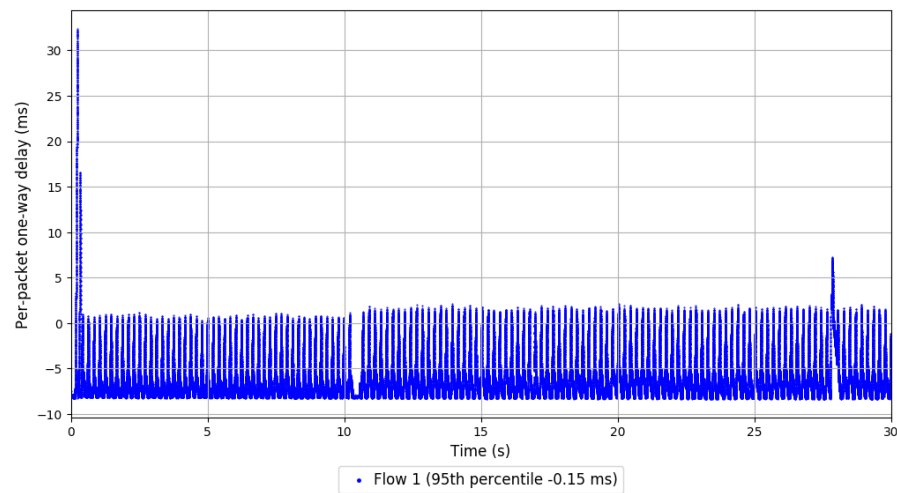
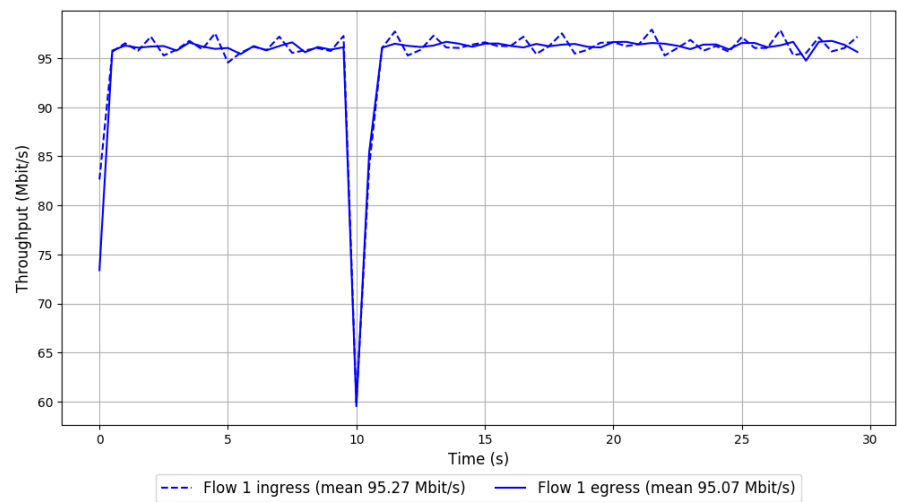
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.99	3.08	0.34
TCP Cubic	10	91.71	32.85	0.40
LEDBAT	10	78.79	30.07	0.12
PCC	10	90.14	-1.23	0.34
QUIC Cubic	9	82.96	18.92	0.26
SCReAM	10	0.21	-2.85	0.00
WebRTC media	10	2.12	-2.63	0.00
Sprout	10	24.61	0.88	0.00
TaoVA-100x	10	92.69	-3.44	0.05
TCP Vegas	10	82.06	1.29	0.06
Verus	10	78.61	29.69	19.25
Copa	10	89.10	-0.49	0.09
FillP	10	96.63	33.54	21.75
Indigo-1-32	10	96.82	-2.72	0.11
Vivace-latency	10	85.82	-4.24	0.07
Vivace-loss	10	83.20	27.34	8.91
Vivace-LTE	10	90.25	-1.29	0.43

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 02:04:10
End at: 2018-02-16 02:04:40
Local clock offset: -11.939 ms
Remote clock offset: -22.449 ms

Below is generated by plot.py at 2018-02-16 05:57:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: -0.149 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: -0.149 ms
Loss rate: 0.19%

Run 1: Report of TCP BBR — Data Link

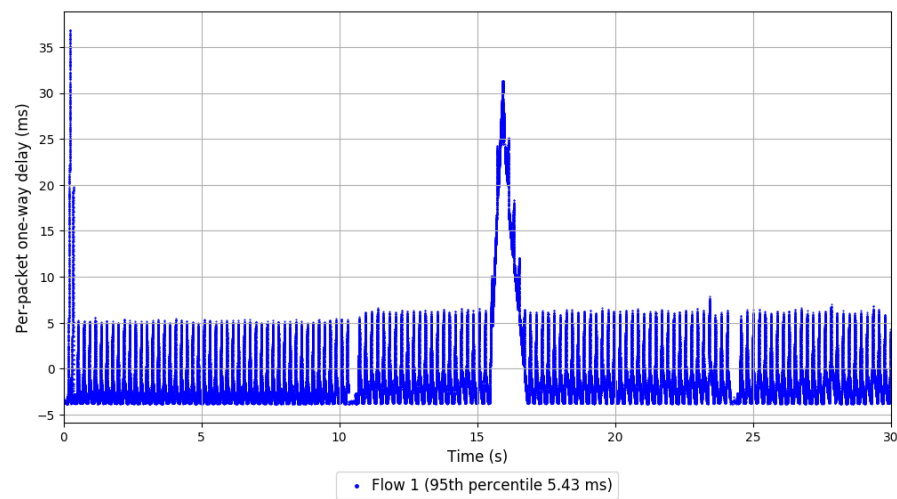
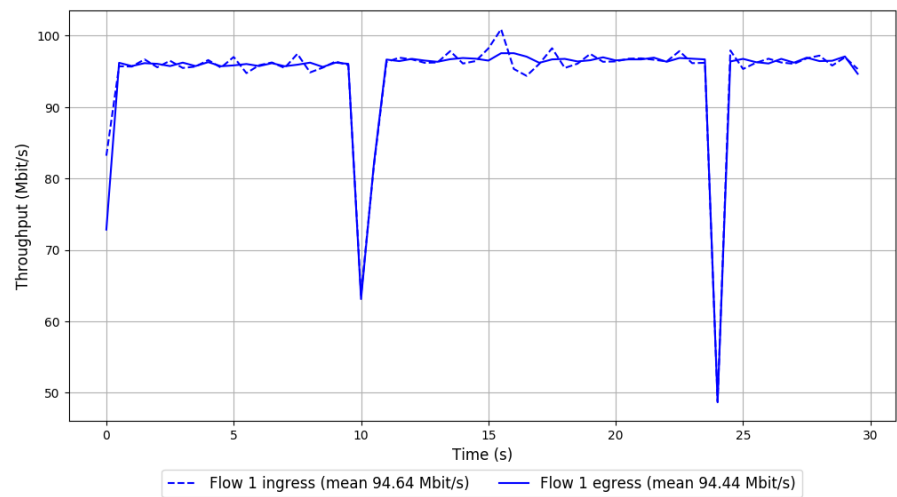


Run 2: Statistics of TCP BBR

Start at: 2018-02-16 02:25:38
End at: 2018-02-16 02:26:08
Local clock offset: -15.791 ms
Remote clock offset: -19.575 ms

Below is generated by plot.py at 2018-02-16 05:57:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 5.428 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 5.428 ms
Loss rate: 0.18%

Run 2: Report of TCP BBR — Data Link

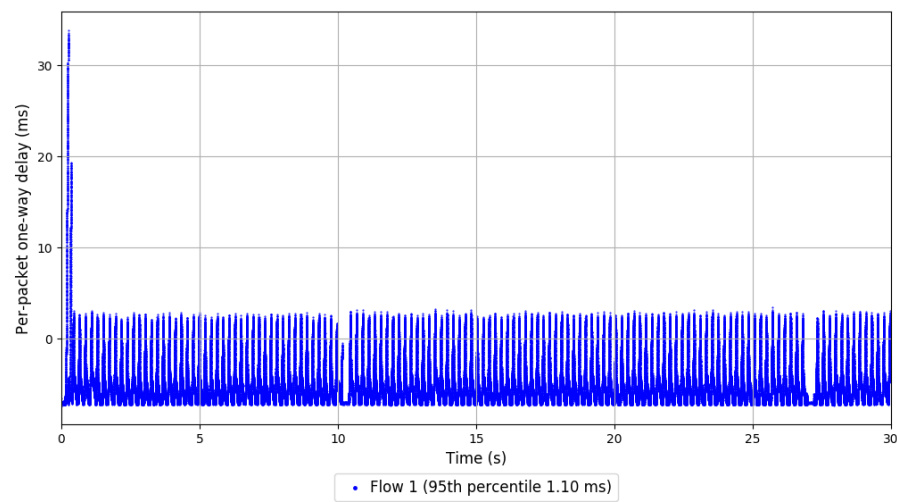
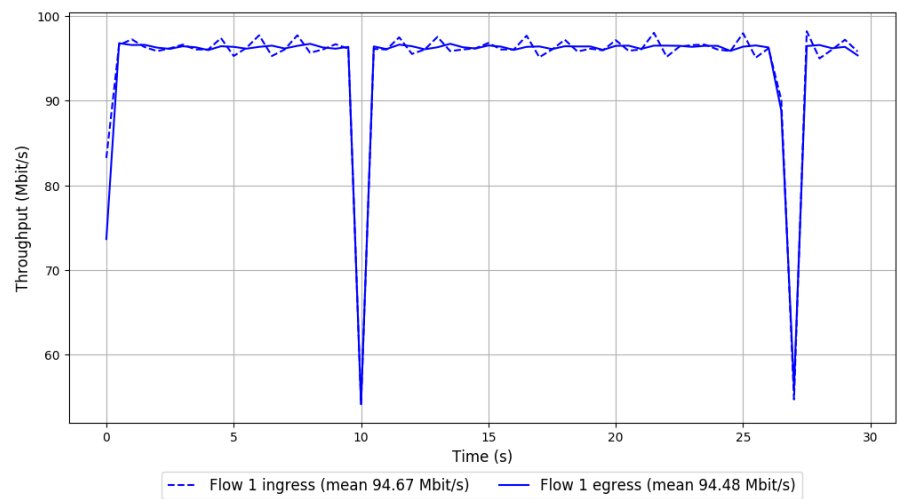


Run 3: Statistics of TCP BBR

Start at: 2018-02-16 02:47:19
End at: 2018-02-16 02:47:49
Local clock offset: -14.085 ms
Remote clock offset: -20.483 ms

Below is generated by plot.py at 2018-02-16 05:57:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.19%

Run 3: Report of TCP BBR — Data Link

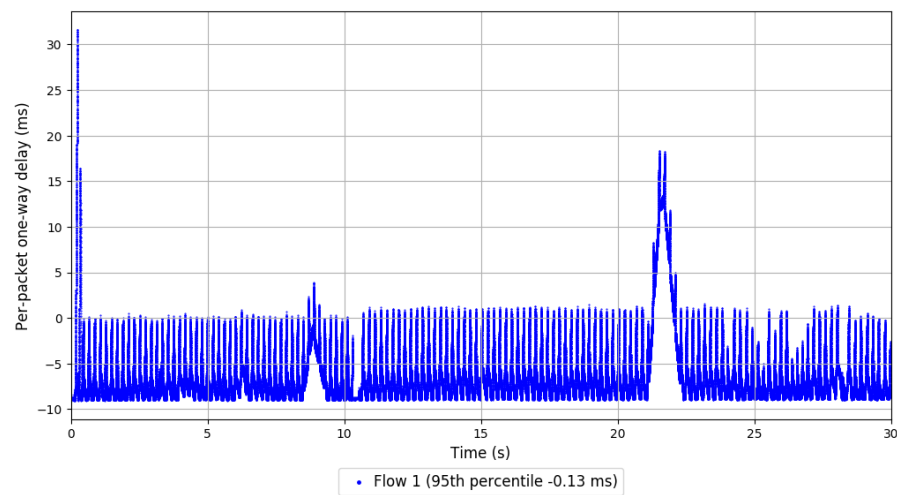
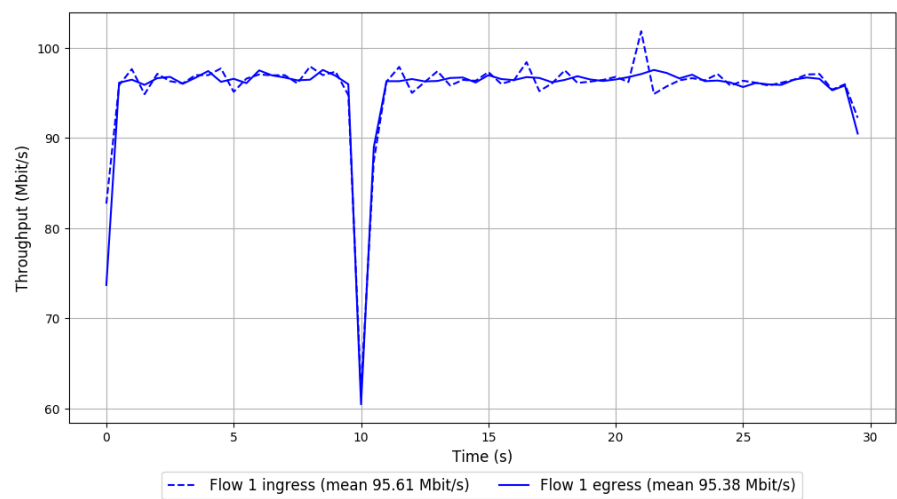


Run 4: Statistics of TCP BBR

Start at: 2018-02-16 03:09:00
End at: 2018-02-16 03:09:30
Local clock offset: -4.859 ms
Remote clock offset: -20.692 ms

Below is generated by plot.py at 2018-02-16 05:57:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: -0.130 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: -0.130 ms
Loss rate: 0.23%

Run 4: Report of TCP BBR — Data Link

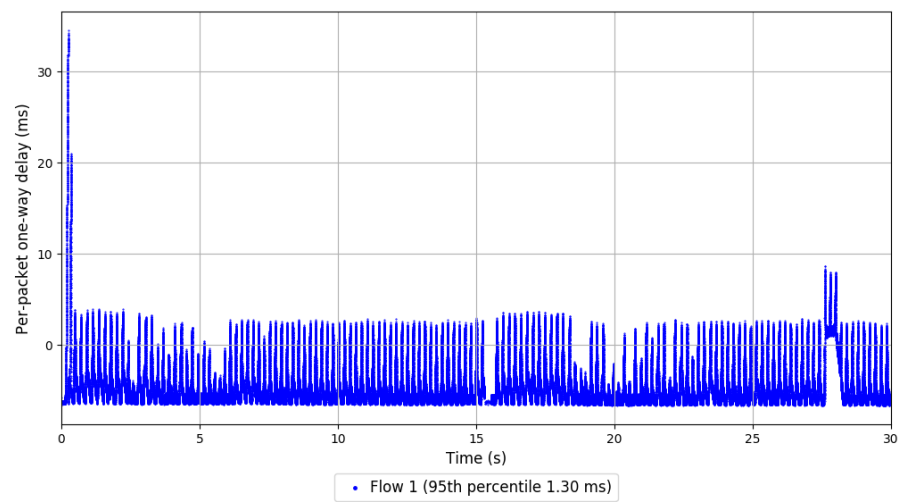
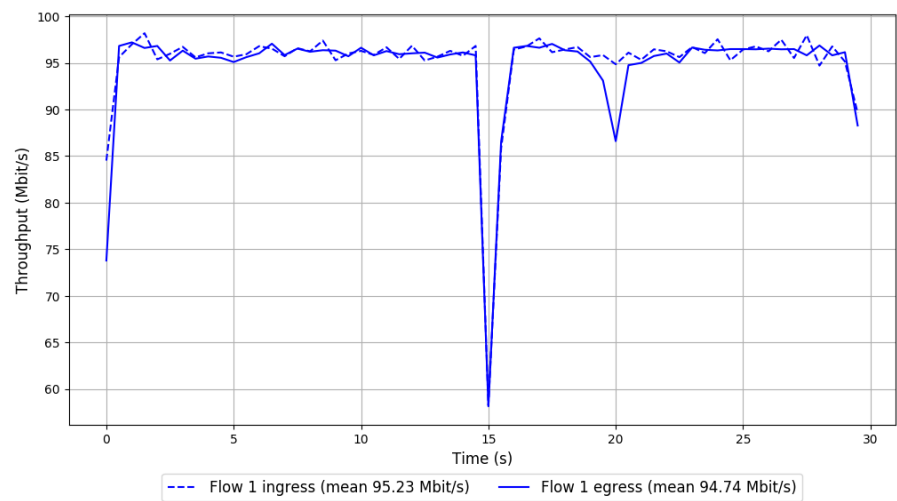


Run 5: Statistics of TCP BBR

Start at: 2018-02-16 03:31:00
End at: 2018-02-16 03:31:30
Local clock offset: -6.582 ms
Remote clock offset: -22.703 ms

Below is generated by plot.py at 2018-02-16 05:57:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.51%

Run 5: Report of TCP BBR — Data Link

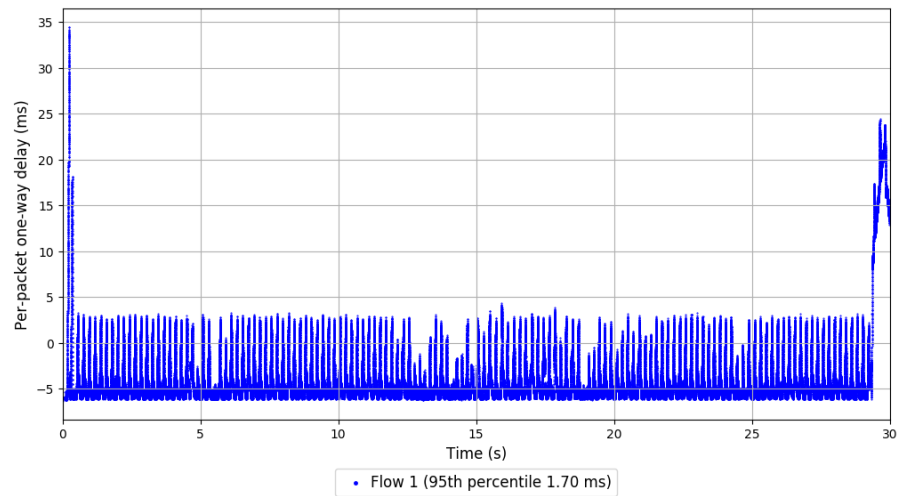
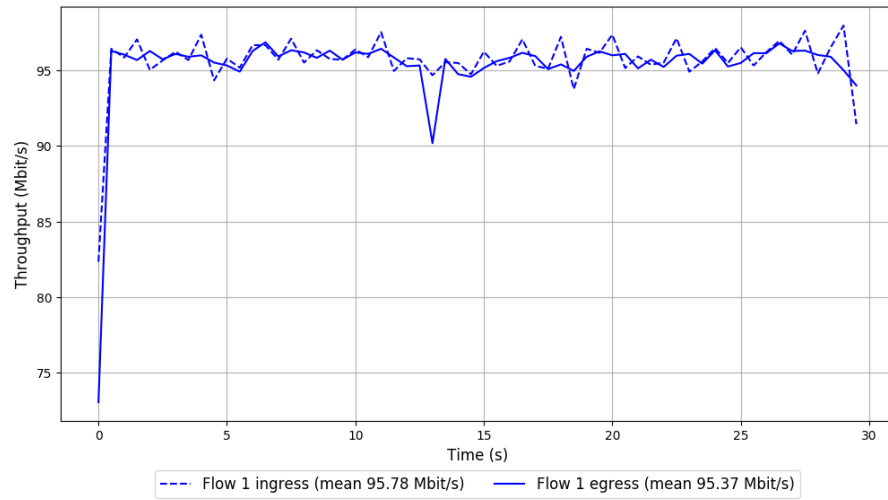


Run 6: Statistics of TCP BBR

Start at: 2018-02-16 03:53:20
End at: 2018-02-16 03:53:50
Local clock offset: -11.673 ms
Remote clock offset: -24.561 ms

Below is generated by plot.py at 2018-02-16 05:57:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 1.702 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 1.702 ms
Loss rate: 0.37%

Run 6: Report of TCP BBR — Data Link

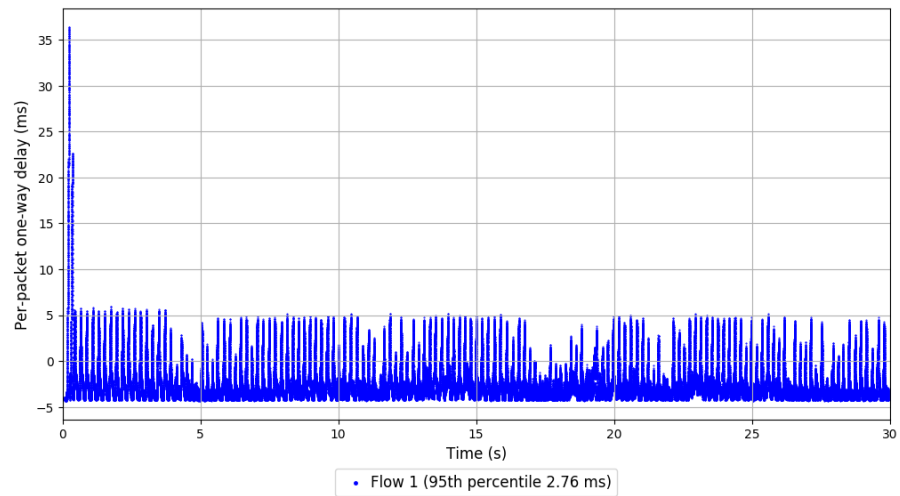
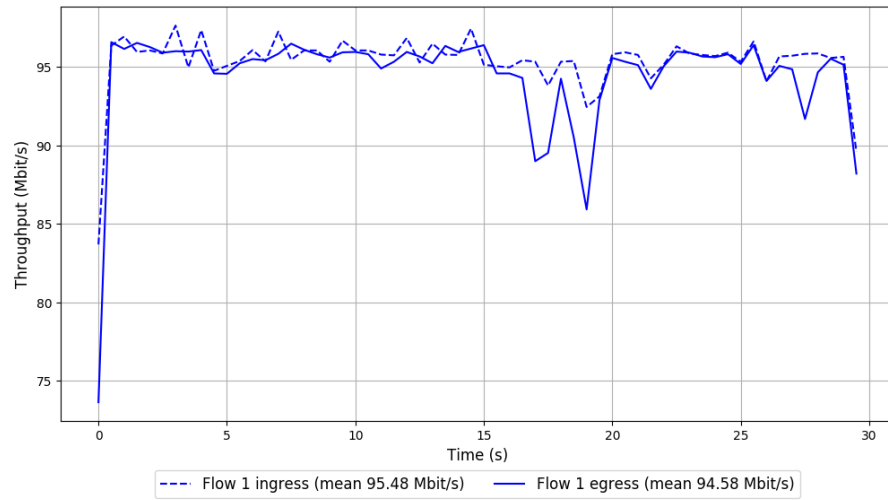


Run 7: Statistics of TCP BBR

Start at: 2018-02-16 04:15:31
End at: 2018-02-16 04:16:01
Local clock offset: -14.716 ms
Remote clock offset: -27.809 ms

Below is generated by plot.py at 2018-02-16 05:57:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 2.764 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 2.764 ms
Loss rate: 0.94%

Run 7: Report of TCP BBR — Data Link

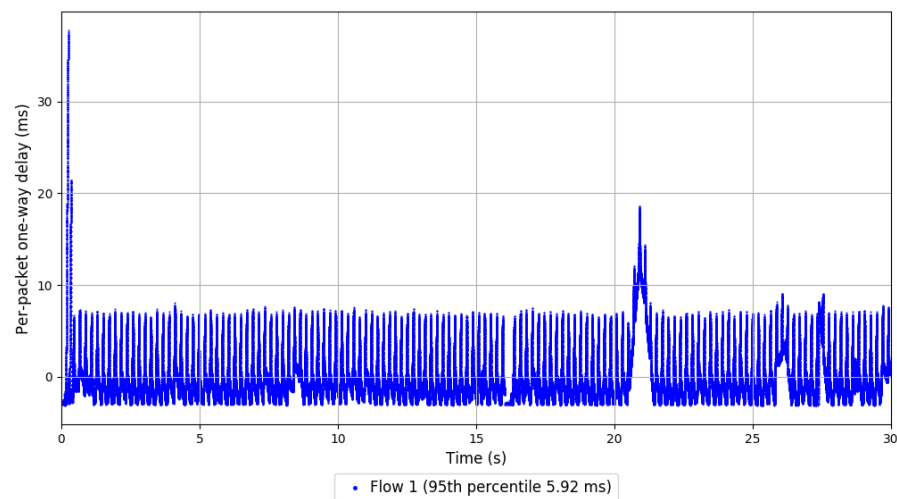
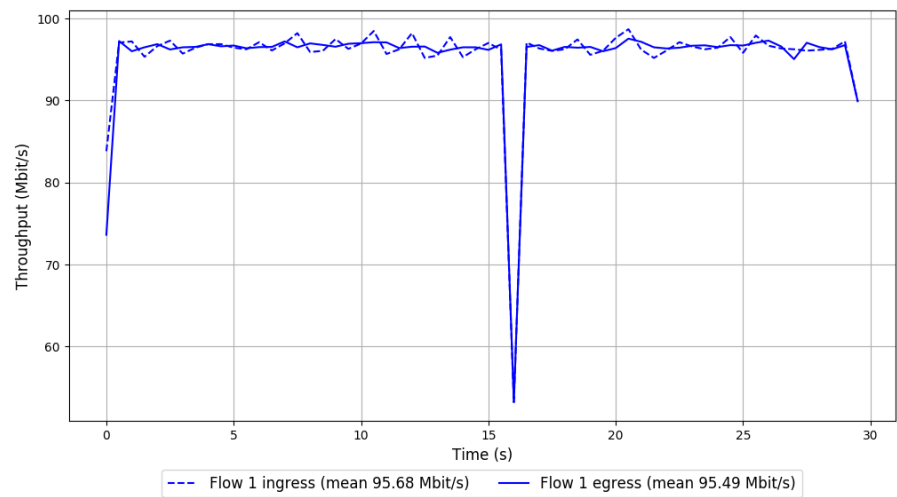


Run 8: Statistics of TCP BBR

Start at: 2018-02-16 04:38:01
End at: 2018-02-16 04:38:31
Local clock offset: -13.307 ms
Remote clock offset: -21.2 ms

Below is generated by plot.py at 2018-02-16 05:57:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 5.923 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 5.923 ms
Loss rate: 0.18%

Run 8: Report of TCP BBR — Data Link

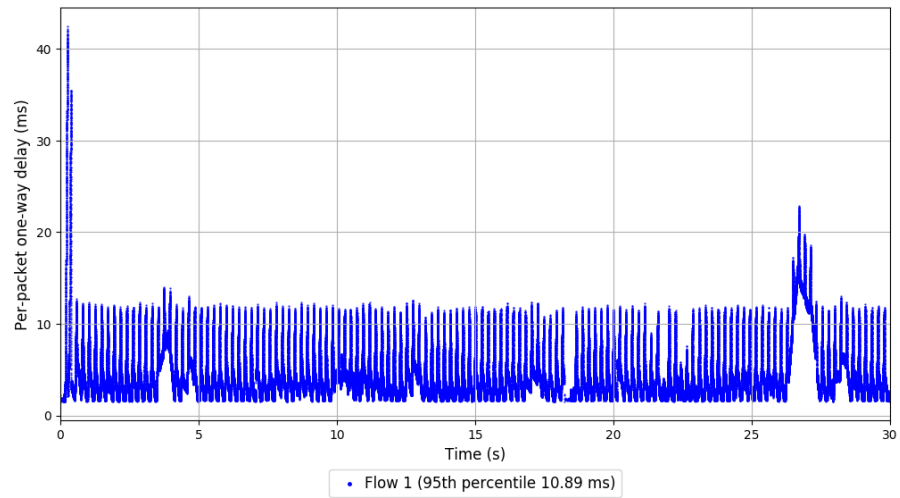
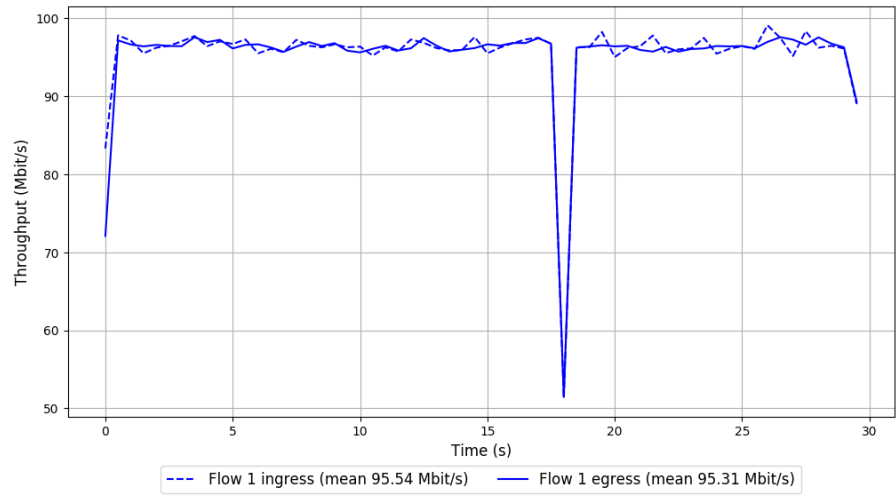


Run 9: Statistics of TCP BBR

Start at: 2018-02-16 05:00:23
End at: 2018-02-16 05:00:53
Local clock offset: -18.881 ms
Remote clock offset: -20.535 ms

Below is generated by plot.py at 2018-02-16 05:59:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 10.889 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 10.889 ms
Loss rate: 0.23%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-16 05:22:44

End at: 2018-02-16 05:23:14

Local clock offset: -9.174 ms

Remote clock offset: -20.697 ms

Below is generated by plot.py at 2018-02-16 05:59:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 1.953 ms

Loss rate: 0.40%

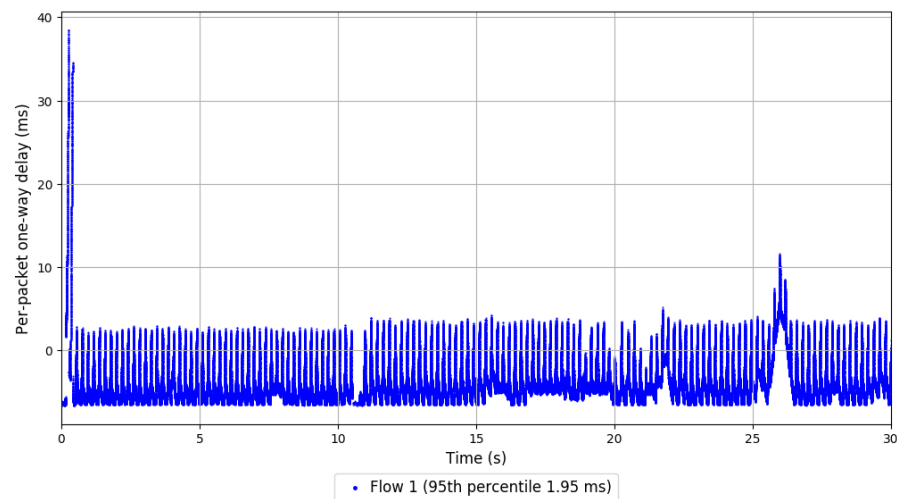
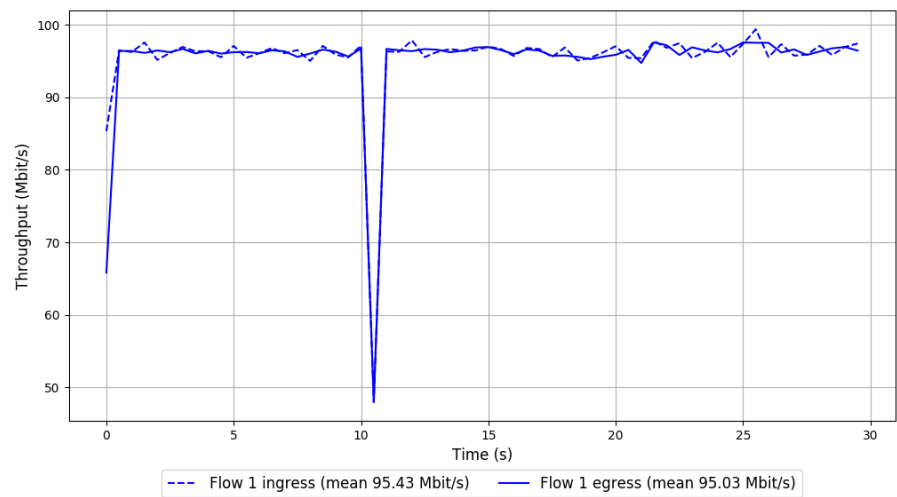
-- Flow 1:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 1.953 ms

Loss rate: 0.40%

Run 10: Report of TCP BBR — Data Link

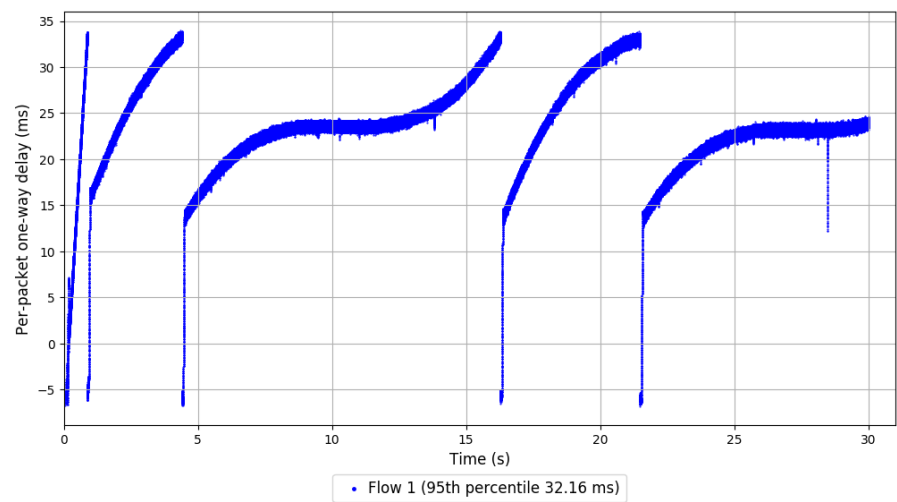
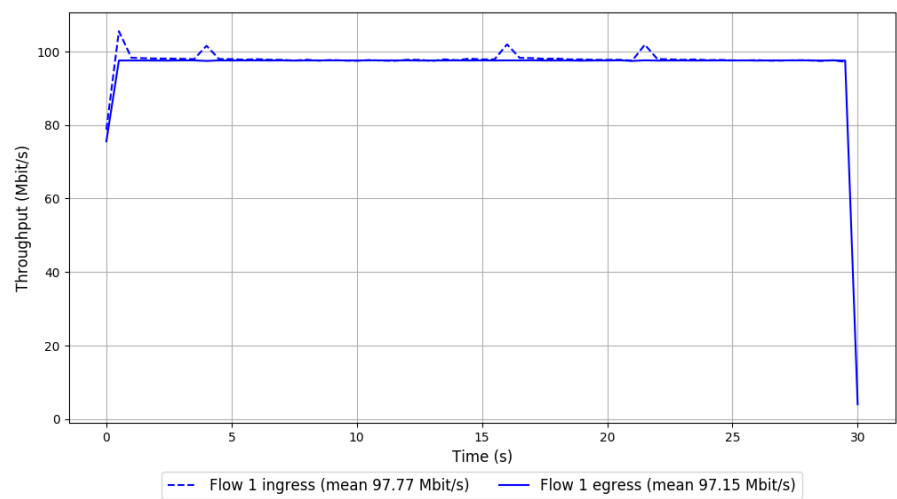


Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 01:47:00
End at: 2018-02-16 01:47:30
Local clock offset: -8.428 ms
Remote clock offset: -21.265 ms

Below is generated by plot.py at 2018-02-16 05:59:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.157 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.157 ms
Loss rate: 0.54%

Run 1: Report of TCP Cubic — Data Link

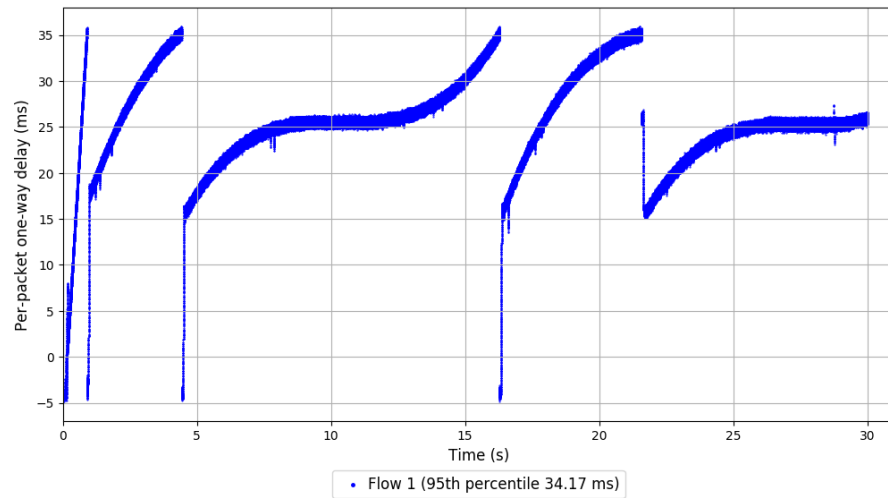
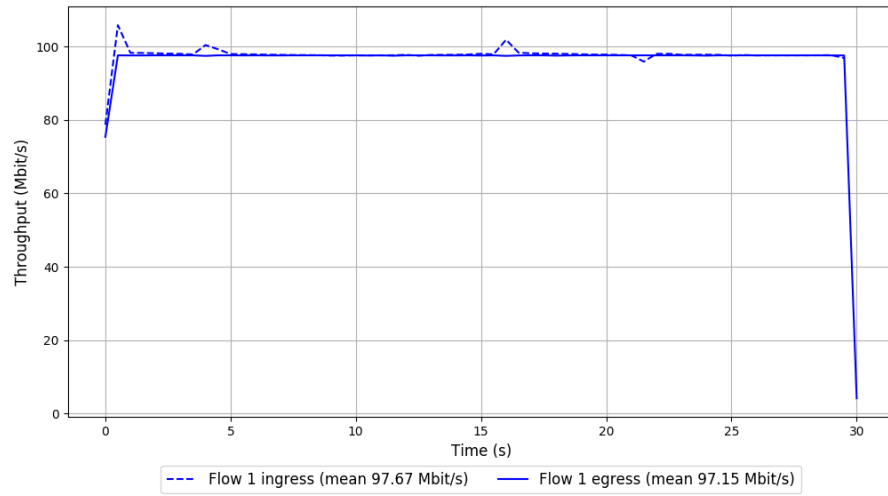


Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 02:09:04
End at: 2018-02-16 02:09:34
Local clock offset: -13.913 ms
Remote clock offset: -19.971 ms

Below is generated by plot.py at 2018-02-16 05:59:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 34.175 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 34.175 ms
Loss rate: 0.44%

Run 2: Report of TCP Cubic — Data Link

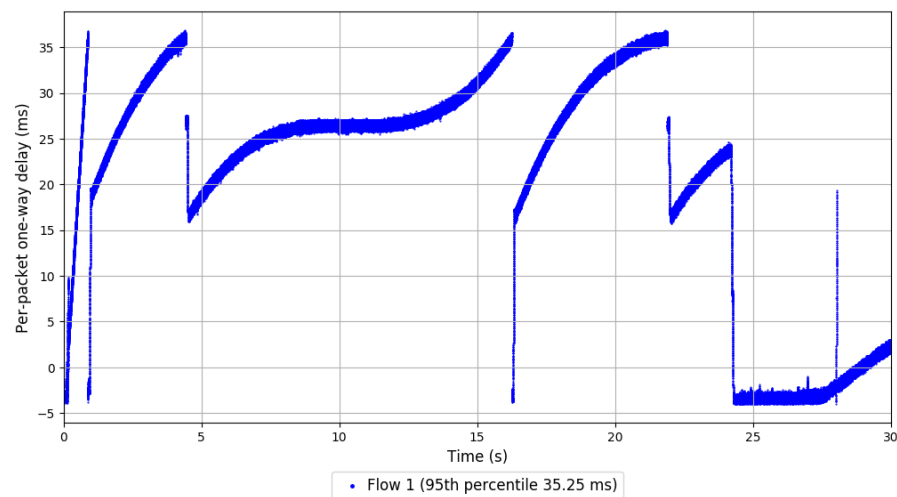
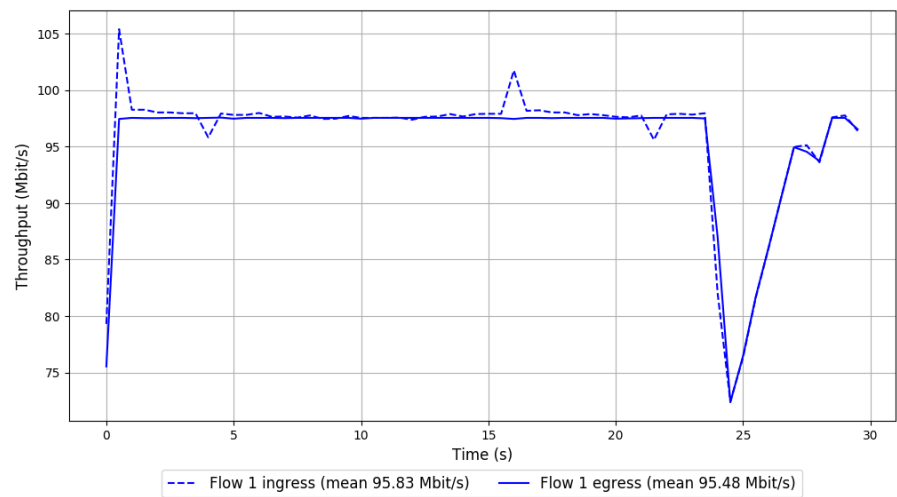


Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 02:30:37
End at: 2018-02-16 02:31:07
Local clock offset: -15.034 ms
Remote clock offset: -18.535 ms

Below is generated by plot.py at 2018-02-16 05:59:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 35.250 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 35.250 ms
Loss rate: 0.34%

Run 3: Report of TCP Cubic — Data Link

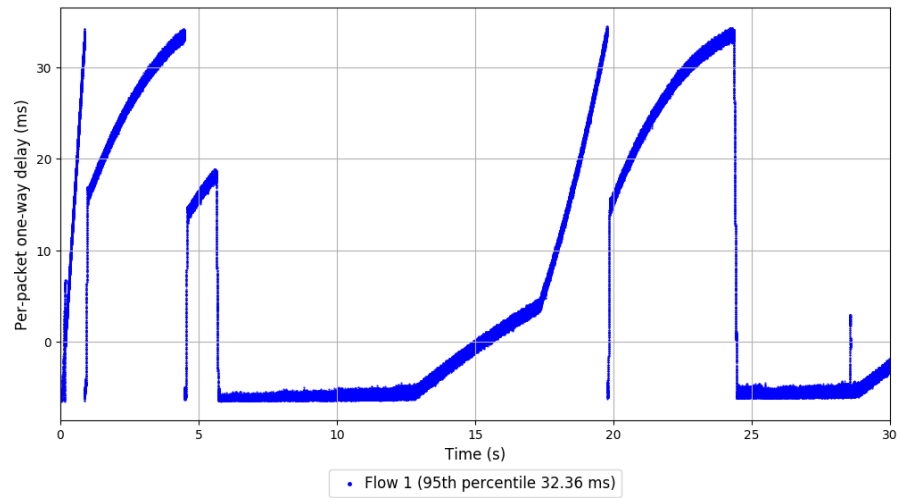
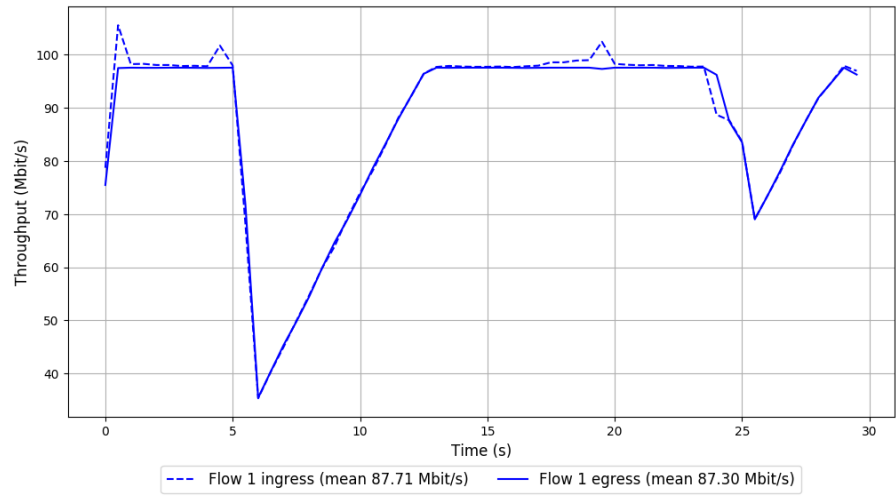


Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 02:52:14
End at: 2018-02-16 02:52:44
Local clock offset: -15.211 ms
Remote clock offset: -20.945 ms

Below is generated by plot.py at 2018-02-16 05:59:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 32.358 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 32.358 ms
Loss rate: 0.46%

Run 4: Report of TCP Cubic — Data Link

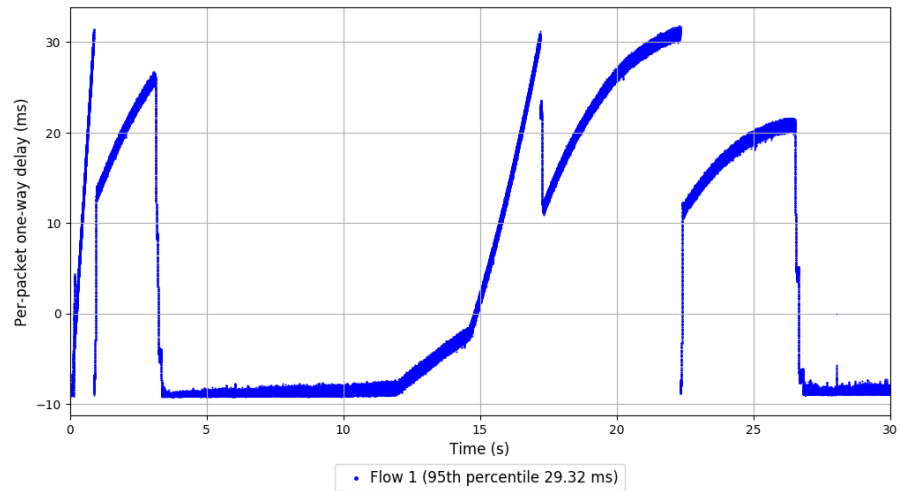
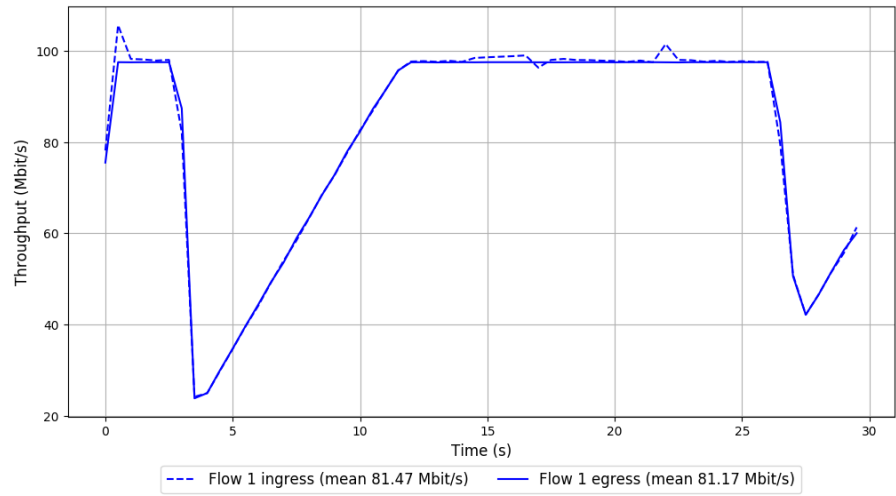


Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 03:14:01
End at: 2018-02-16 03:14:31
Local clock offset: -5.56 ms
Remote clock offset: -23.007 ms

Below is generated by plot.py at 2018-02-16 05:59:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 29.321 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 29.321 ms
Loss rate: 0.36%

Run 5: Report of TCP Cubic — Data Link

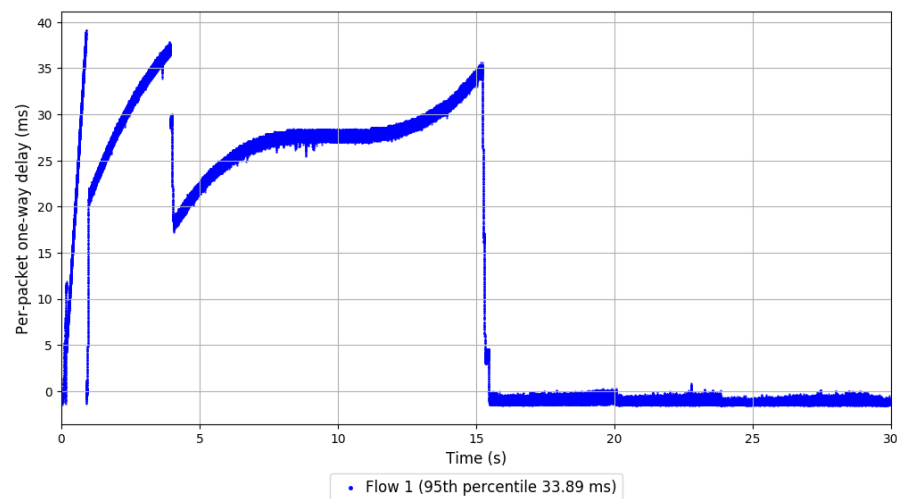
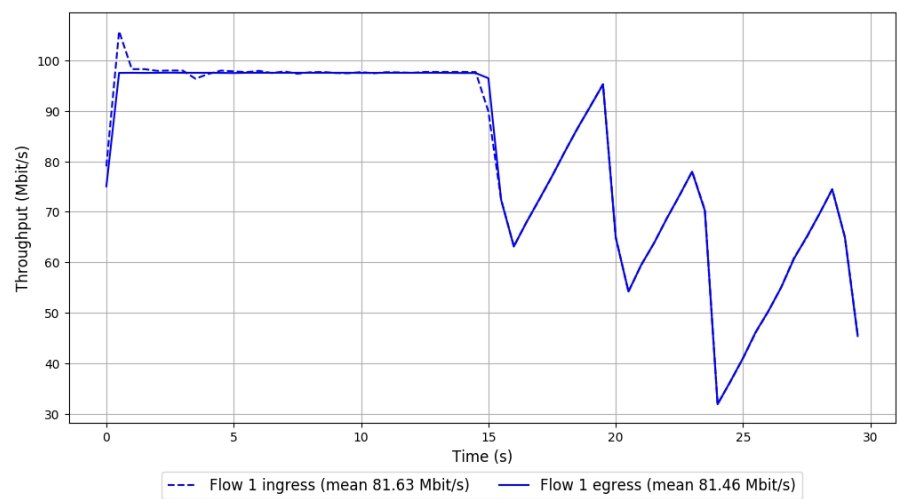


Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 03:36:10
End at: 2018-02-16 03:36:40
Local clock offset: -13.53 ms
Remote clock offset: -23.02 ms

Below is generated by plot.py at 2018-02-16 05:59:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 33.891 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 33.891 ms
Loss rate: 0.20%

Run 6: Report of TCP Cubic — Data Link

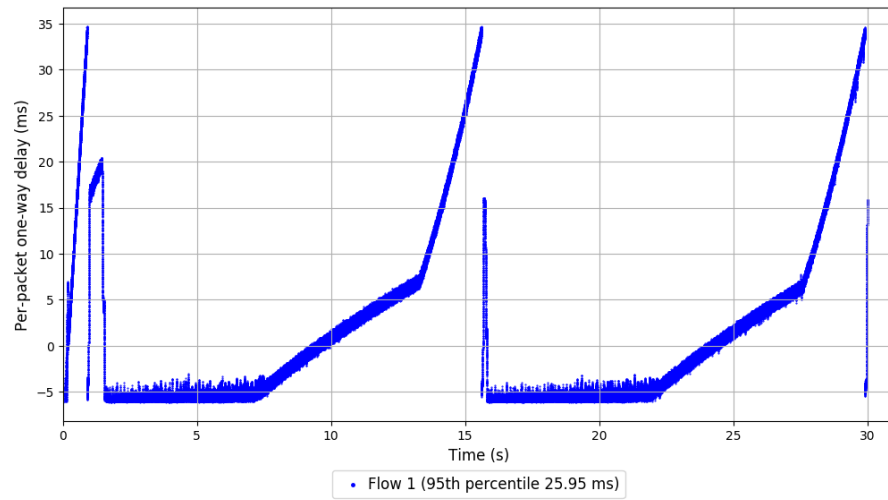
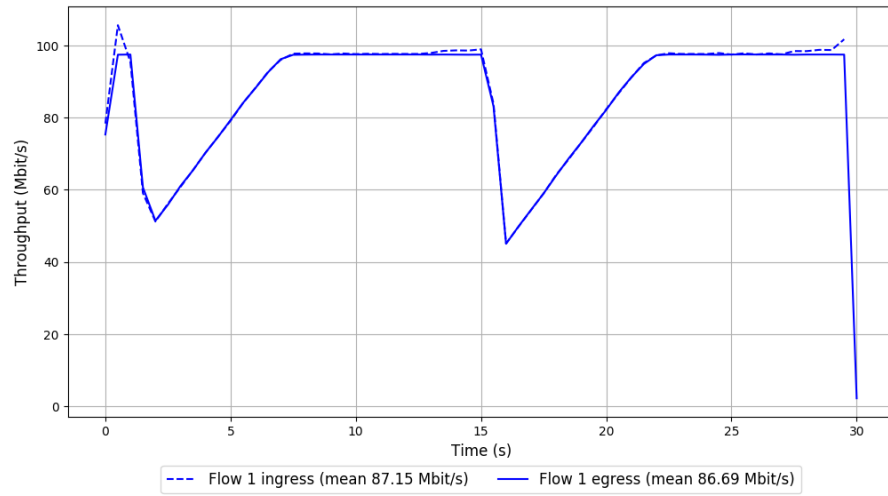


Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 03:58:16
End at: 2018-02-16 03:58:46
Local clock offset: -13.934 ms
Remote clock offset: -26.869 ms

Below is generated by plot.py at 2018-02-16 06:00:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 25.946 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 25.946 ms
Loss rate: 0.46%

Run 7: Report of TCP Cubic — Data Link

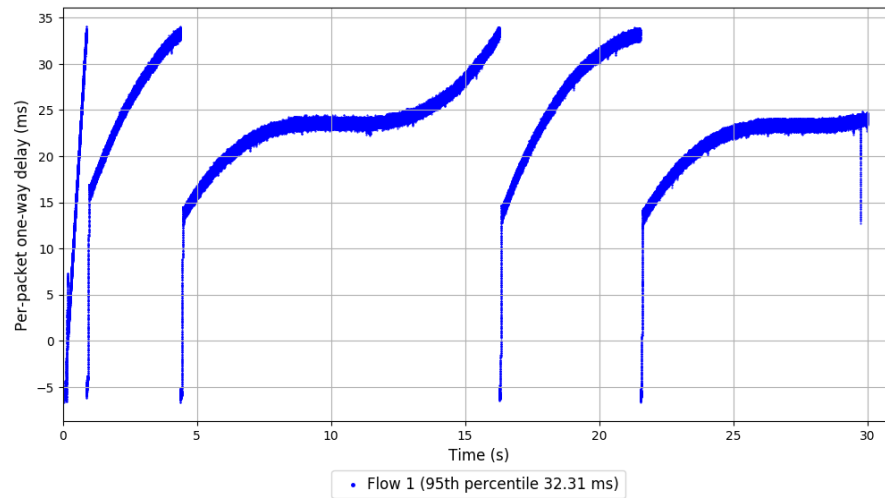
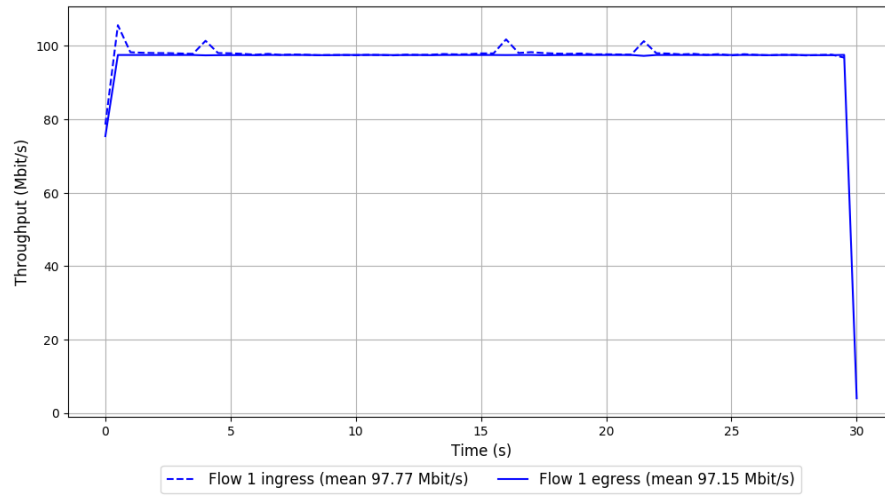


Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 04:20:39
End at: 2018-02-16 04:21:09
Local clock offset: -9.784 ms
Remote clock offset: -25.409 ms

Below is generated by plot.py at 2018-02-16 06:00:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.309 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.309 ms
Loss rate: 0.53%

Run 8: Report of TCP Cubic — Data Link

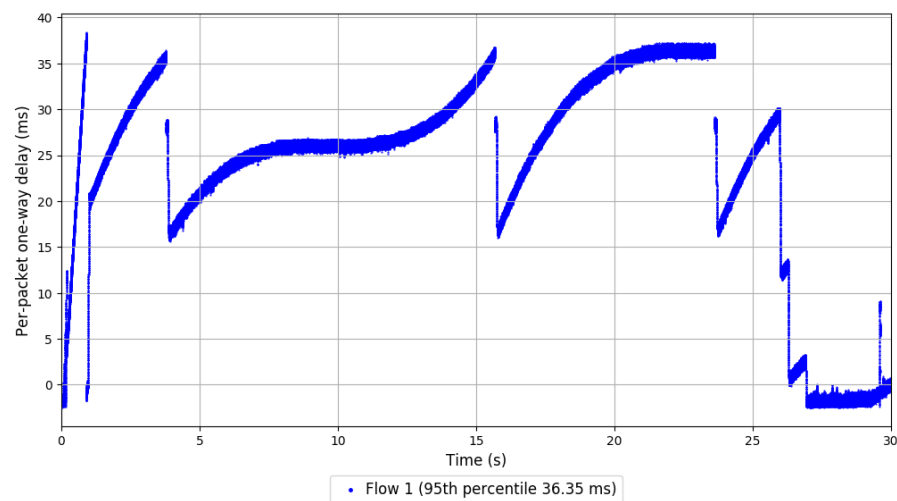
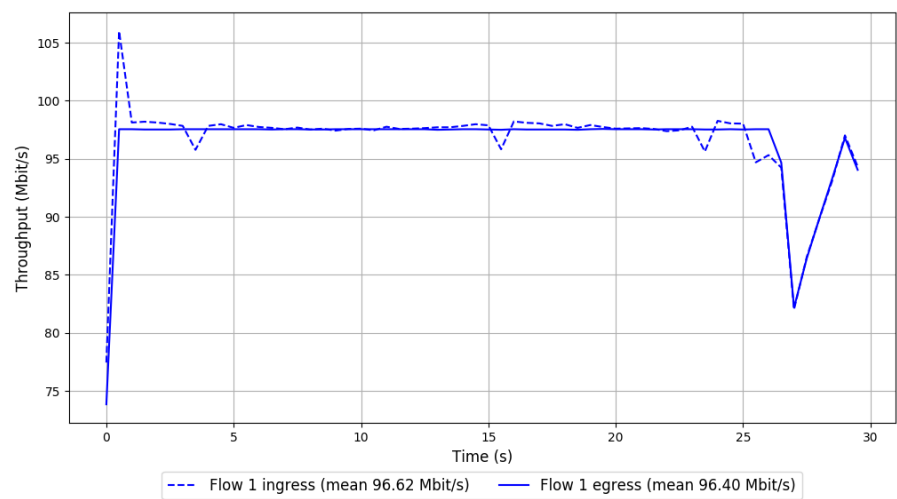


Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 04:43:06
End at: 2018-02-16 04:43:36
Local clock offset: -15.266 ms
Remote clock offset: -21.879 ms

Below is generated by plot.py at 2018-02-16 06:00:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 36.355 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 36.355 ms
Loss rate: 0.22%

Run 9: Report of TCP Cubic — Data Link

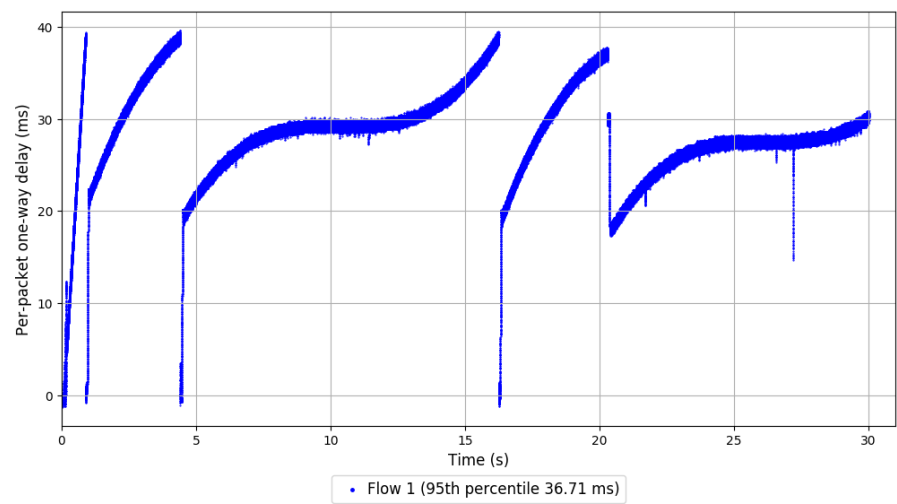
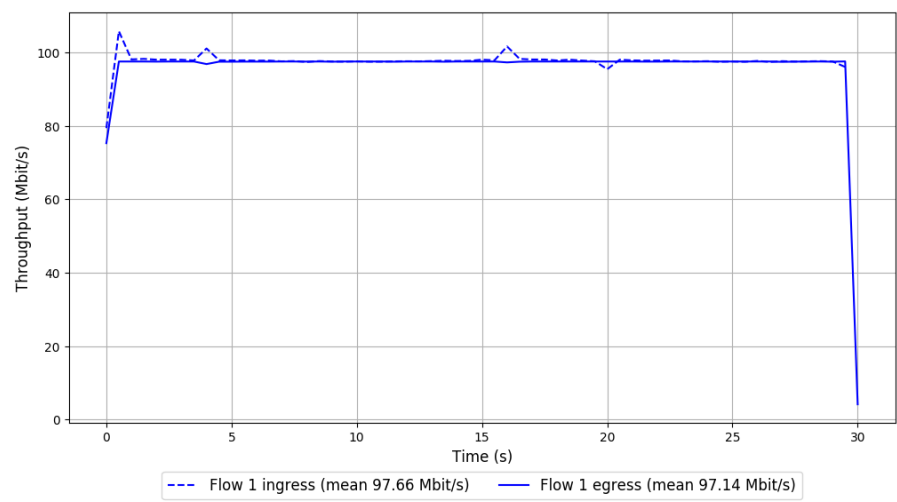


Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 05:05:29
End at: 2018-02-16 05:05:59
Local clock offset: -18.546 ms
Remote clock offset: -22.637 ms

Below is generated by plot.py at 2018-02-16 06:00:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 36.708 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 36.708 ms
Loss rate: 0.43%

Run 10: Report of TCP Cubic — Data Link

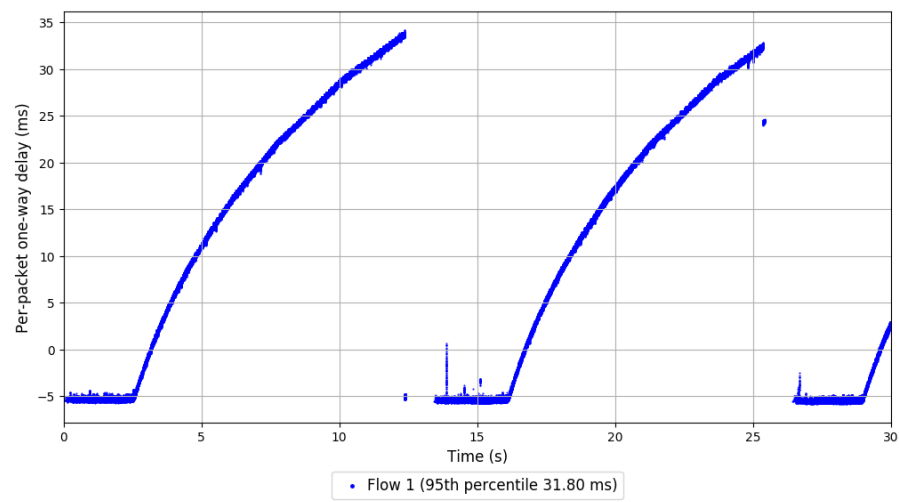
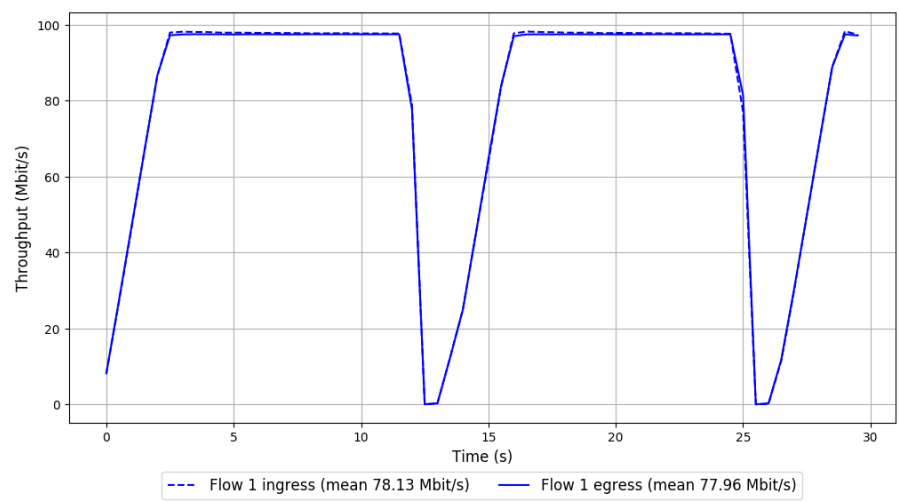


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 01:49:20
End at: 2018-02-16 01:49:50
Local clock offset: -10.068 ms
Remote clock offset: -20.85 ms

# Below is generated by plot.py at 2018-02-16 06:00:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 31.804 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 31.804 ms
Loss rate: 0.20%
```

Run 1: Report of LEDBAT — Data Link

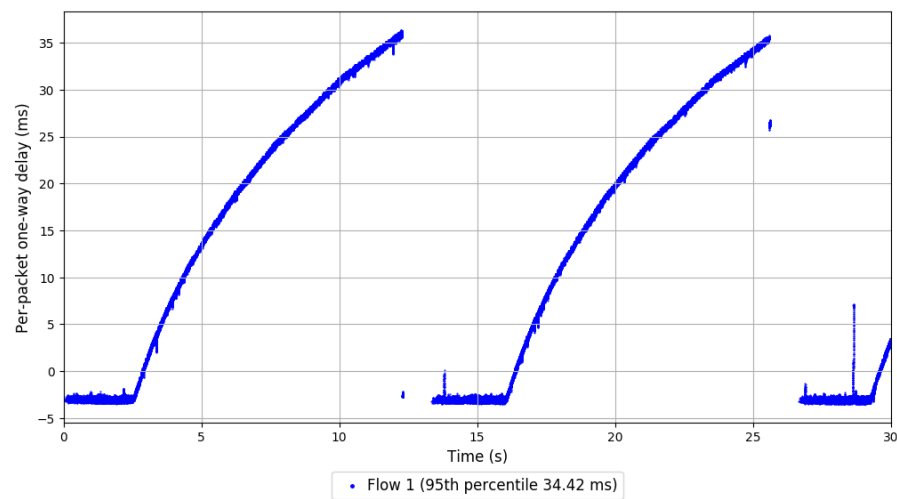
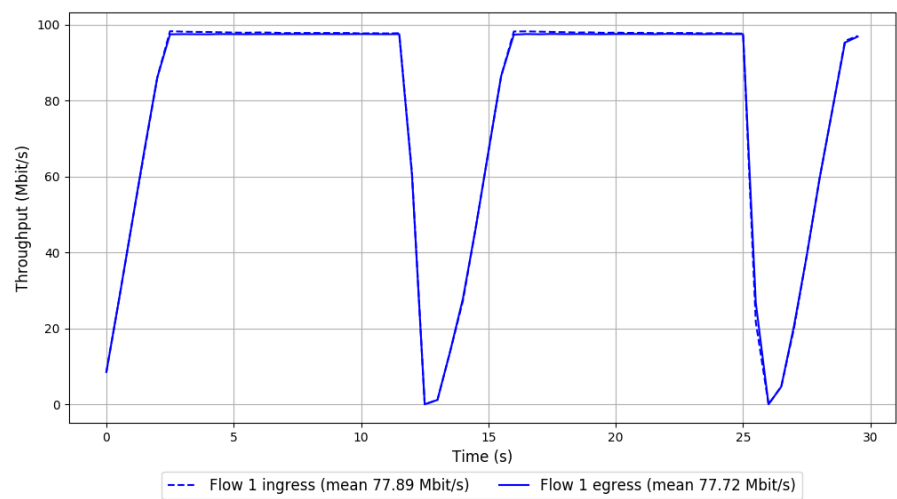


Run 2: Statistics of LEDBAT

Start at: 2018-02-16 02:11:29
End at: 2018-02-16 02:11:59
Local clock offset: -16.708 ms
Remote clock offset: -21.045 ms

Below is generated by plot.py at 2018-02-16 06:00:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.72 Mbit/s
95th percentile per-packet one-way delay: 34.418 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.72 Mbit/s
95th percentile per-packet one-way delay: 34.418 ms
Loss rate: 0.20%

Run 2: Report of LEDBAT — Data Link

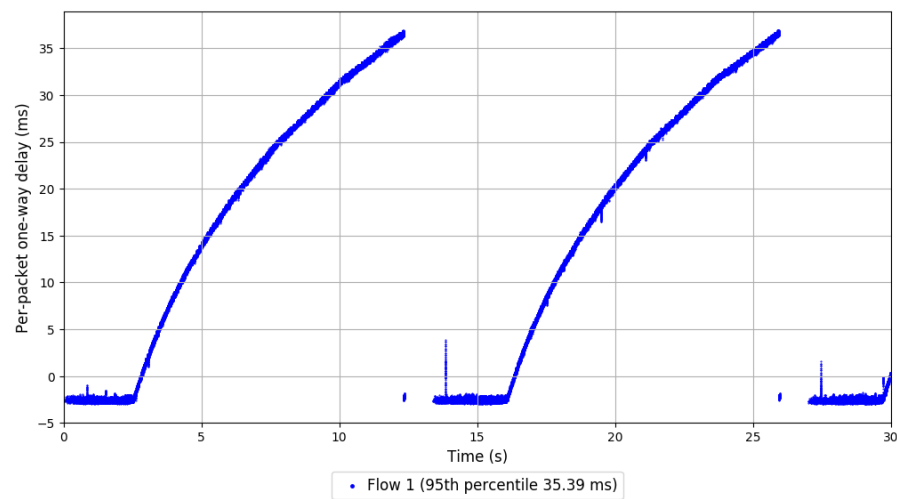
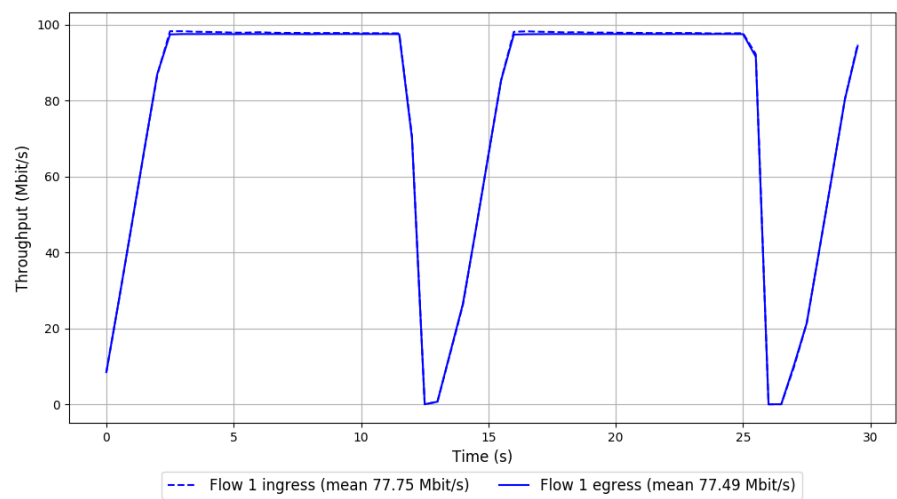


Run 3: Statistics of LEDBAT

Start at: 2018-02-16 02:33:03
End at: 2018-02-16 02:33:33
Local clock offset: -17.839 ms
Remote clock offset: -20.003 ms

Below is generated by plot.py at 2018-02-16 06:00:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.49 Mbit/s
95th percentile per-packet one-way delay: 35.390 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 77.49 Mbit/s
95th percentile per-packet one-way delay: 35.390 ms
Loss rate: 0.33%

Run 3: Report of LEDBAT — Data Link

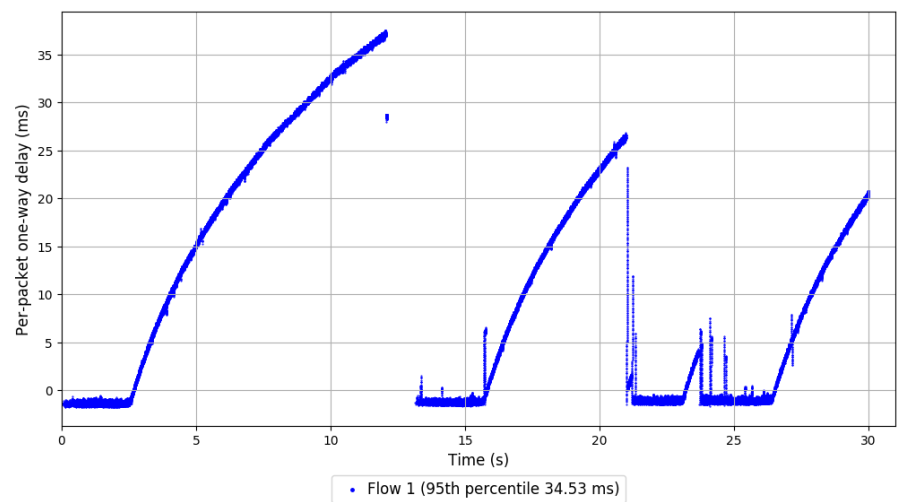
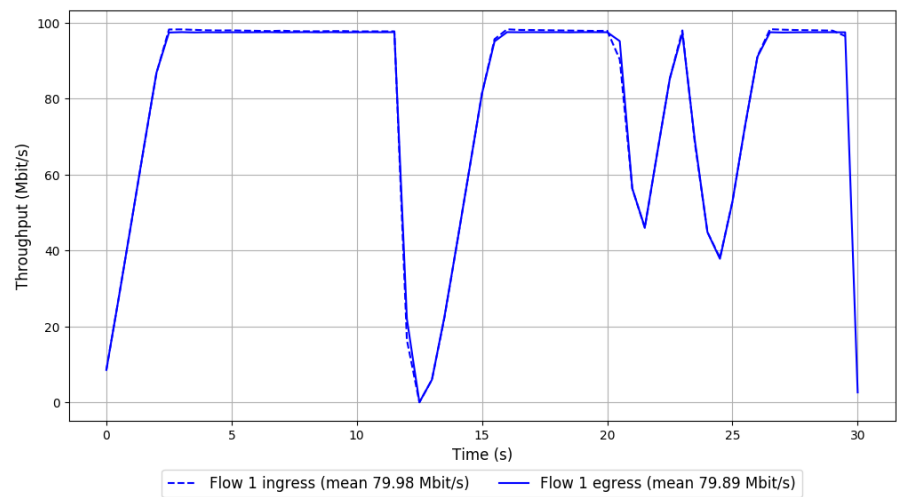


Run 4: Statistics of LEDBAT

Start at: 2018-02-16 02:54:35
End at: 2018-02-16 02:55:05
Local clock offset: -15.963 ms
Remote clock offset: -18.84 ms

Below is generated by plot.py at 2018-02-16 06:00:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.89 Mbit/s
95th percentile per-packet one-way delay: 34.526 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 79.89 Mbit/s
95th percentile per-packet one-way delay: 34.526 ms
Loss rate: 0.04%

Run 4: Report of LEDBAT — Data Link

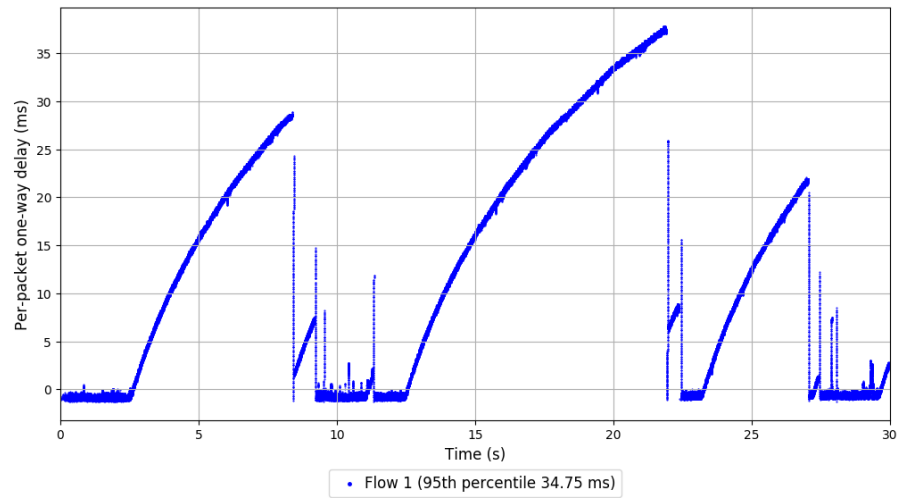
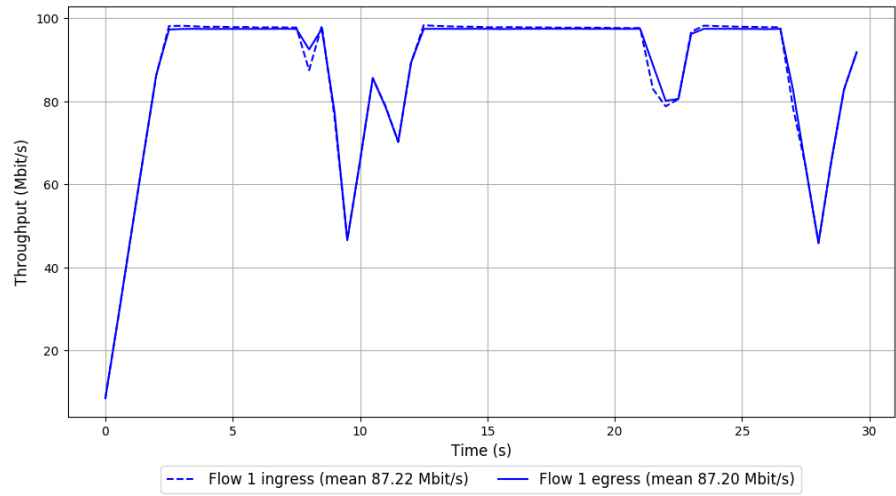


Run 5: Statistics of LEDBAT

Start at: 2018-02-16 03:16:24
End at: 2018-02-16 03:16:54
Local clock offset: -9.538 ms
Remote clock offset: -20.258 ms

Below is generated by plot.py at 2018-02-16 06:01:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 34.748 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 34.748 ms
Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

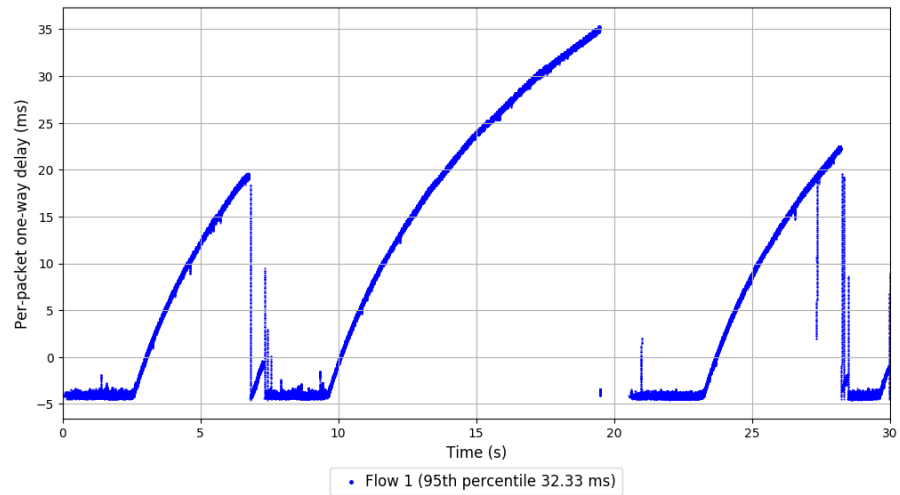
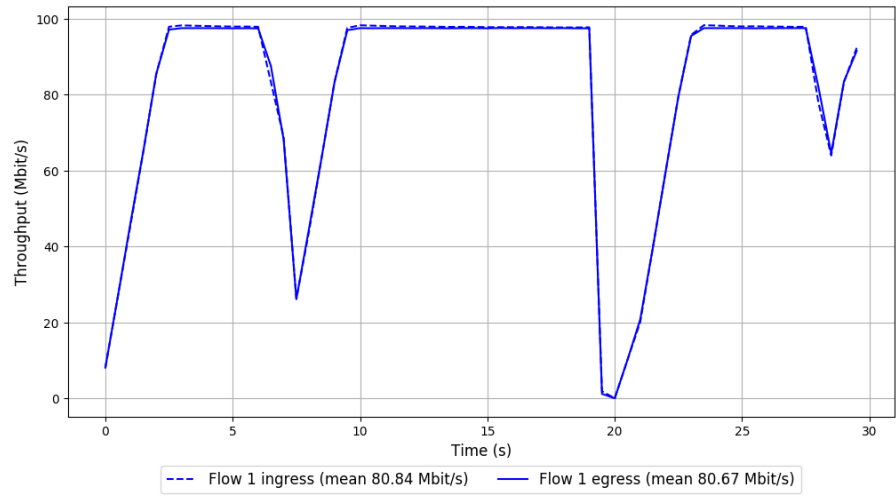


Run 6: Statistics of LEDBAT

Start at: 2018-02-16 03:38:36
End at: 2018-02-16 03:39:06
Local clock offset: -12.475 ms
Remote clock offset: -24.607 ms

Below is generated by plot.py at 2018-02-16 06:01:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.67 Mbit/s
95th percentile per-packet one-way delay: 32.334 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 80.67 Mbit/s
95th percentile per-packet one-way delay: 32.334 ms
Loss rate: 0.16%

Run 6: Report of LEDBAT — Data Link

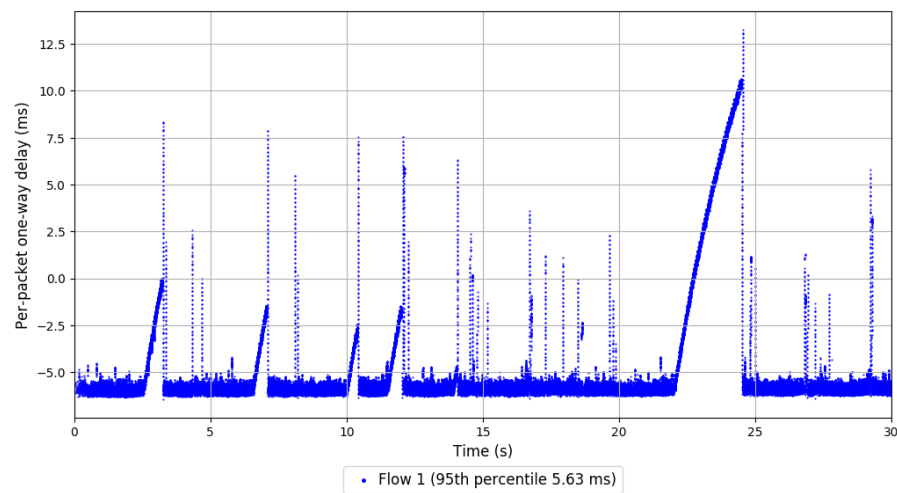
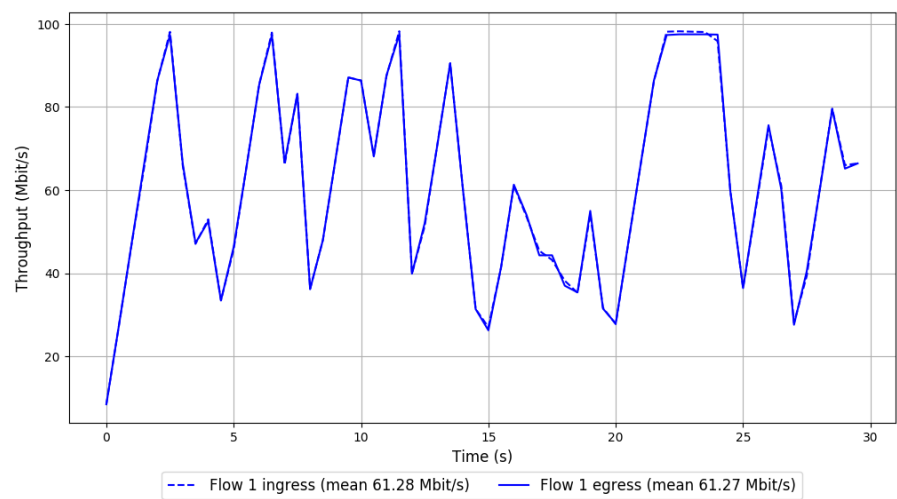


Run 7: Statistics of LEDBAT

Start at: 2018-02-16 04:00:48
End at: 2018-02-16 04:01:18
Local clock offset: -14.853 ms
Remote clock offset: -28.077 ms

Below is generated by plot.py at 2018-02-16 06:01:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 5.633 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 5.633 ms
Loss rate: 0.02%

Run 7: Report of LEDBAT — Data Link

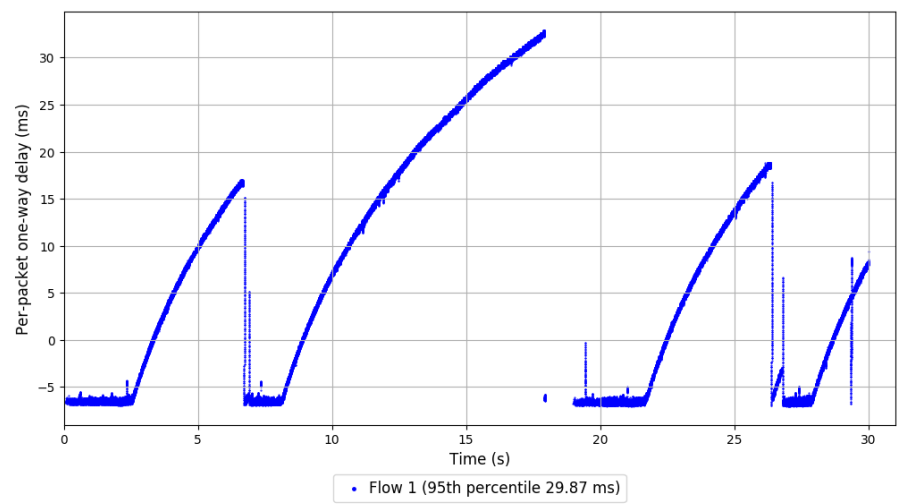
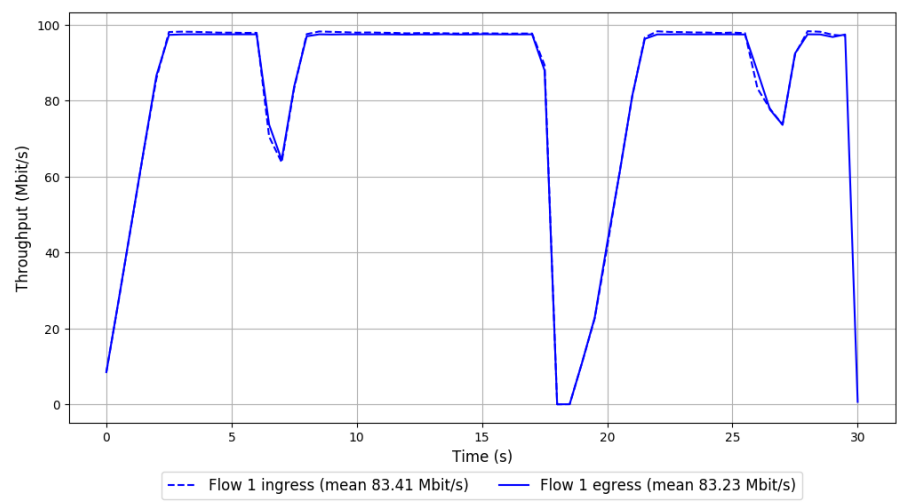


Run 8: Statistics of LEDBAT

Start at: 2018-02-16 04:23:13
End at: 2018-02-16 04:23:43
Local clock offset: -10.046 ms
Remote clock offset: -24.935 ms

Below is generated by plot.py at 2018-02-16 06:01:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 29.869 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 29.869 ms
Loss rate: 0.16%

Run 8: Report of LEDBAT — Data Link

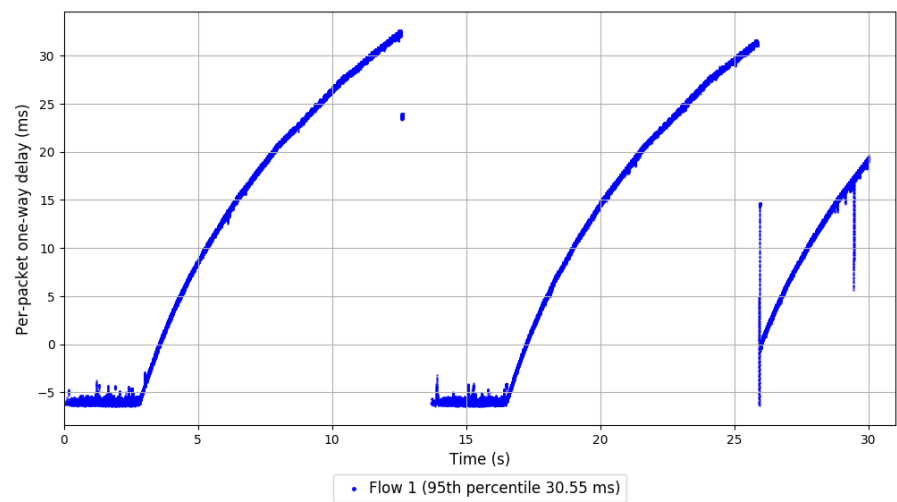
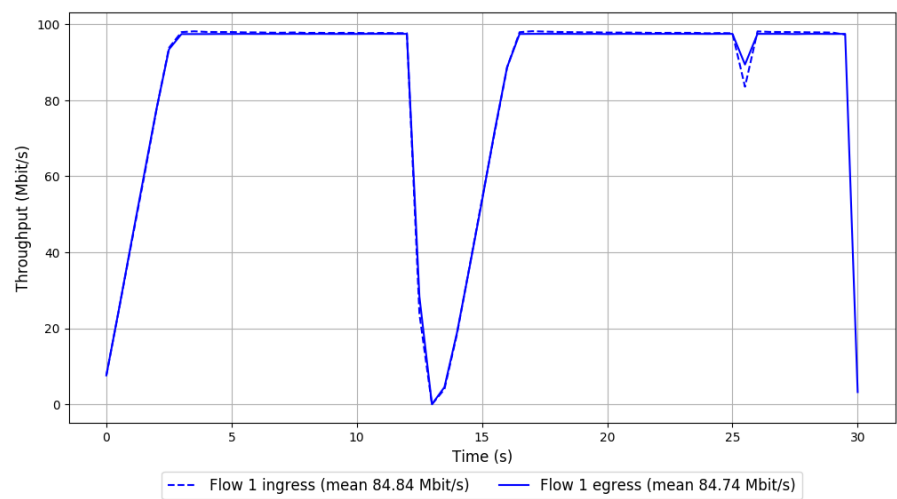


Run 9: Statistics of LEDBAT

Start at: 2018-02-16 04:45:34
End at: 2018-02-16 04:46:04
Local clock offset: -13.137 ms
Remote clock offset: -23.597 ms

Below is generated by plot.py at 2018-02-16 06:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 30.551 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 30.551 ms
Loss rate: 0.03%

Run 9: Report of LEDBAT — Data Link

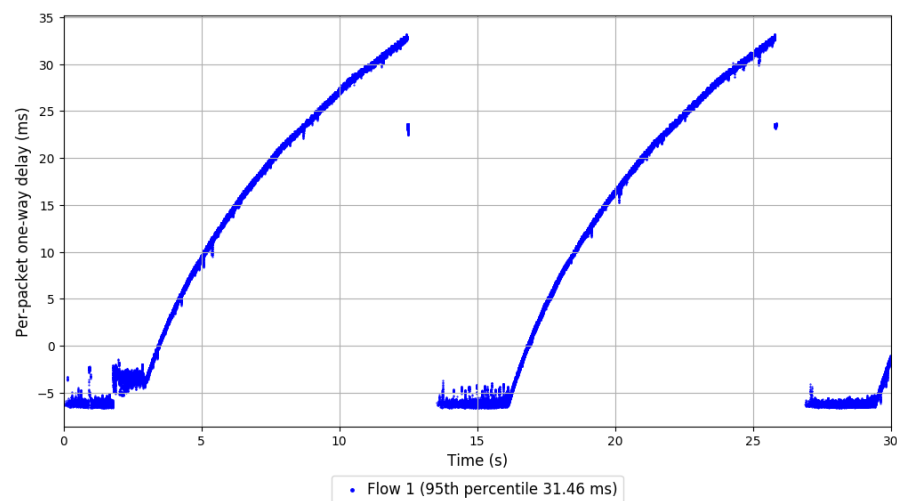
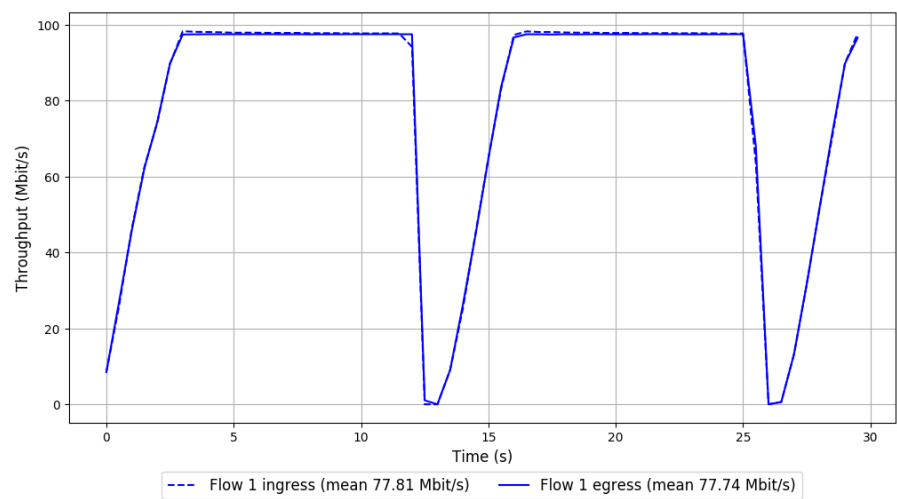


Run 10: Statistics of LEDBAT

Start at: 2018-02-16 05:07:58
End at: 2018-02-16 05:08:28
Local clock offset: -11.705 ms
Remote clock offset: -20.926 ms

Below is generated by plot.py at 2018-02-16 06:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 31.462 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 31.462 ms
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

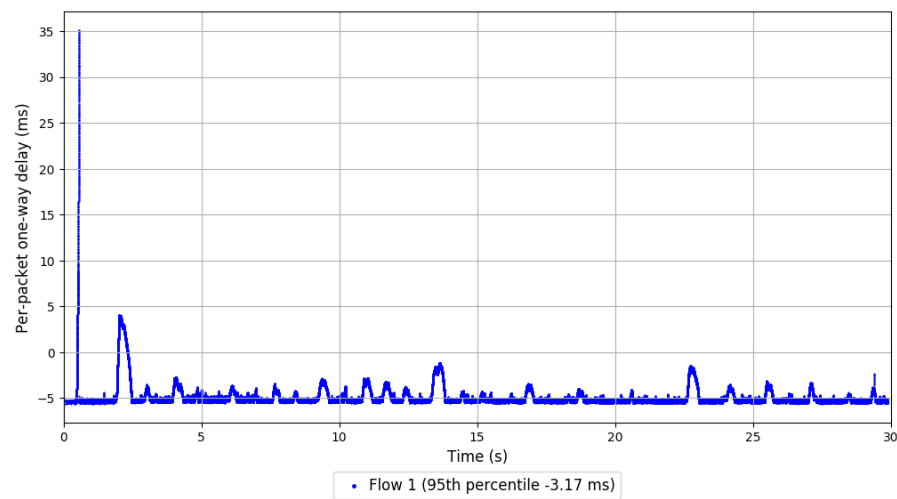
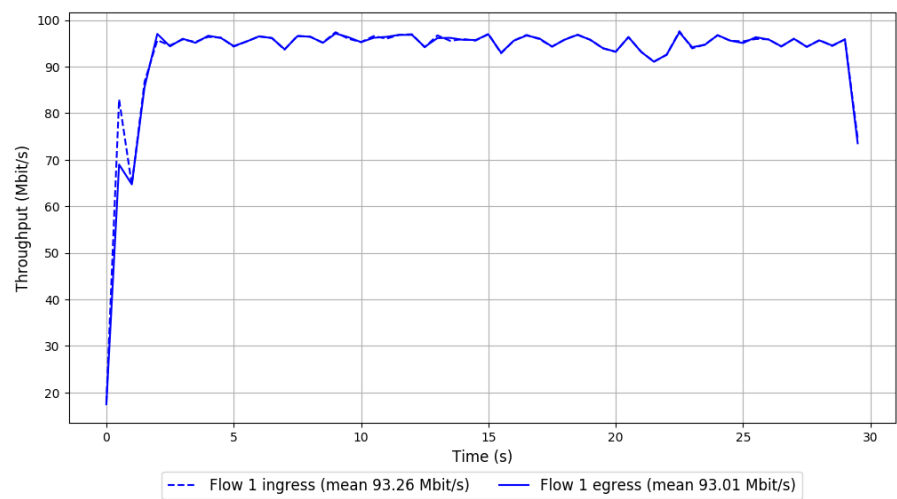


Run 1: Statistics of PCC

Start at: 2018-02-16 02:00:31
End at: 2018-02-16 02:01:01
Local clock offset: -17.684 ms
Remote clock offset: -26.081 ms

Below is generated by plot.py at 2018-02-16 06:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: -3.173 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: -3.173 ms
Loss rate: 0.27%

Run 1: Report of PCC — Data Link

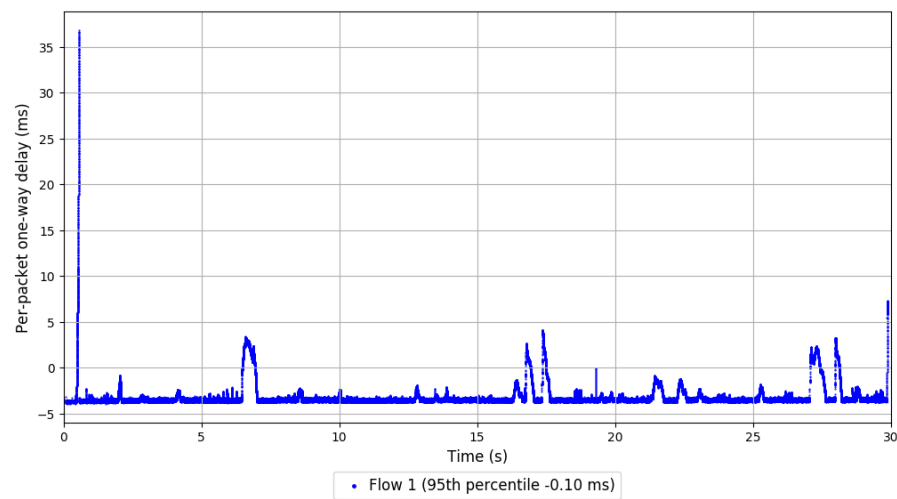
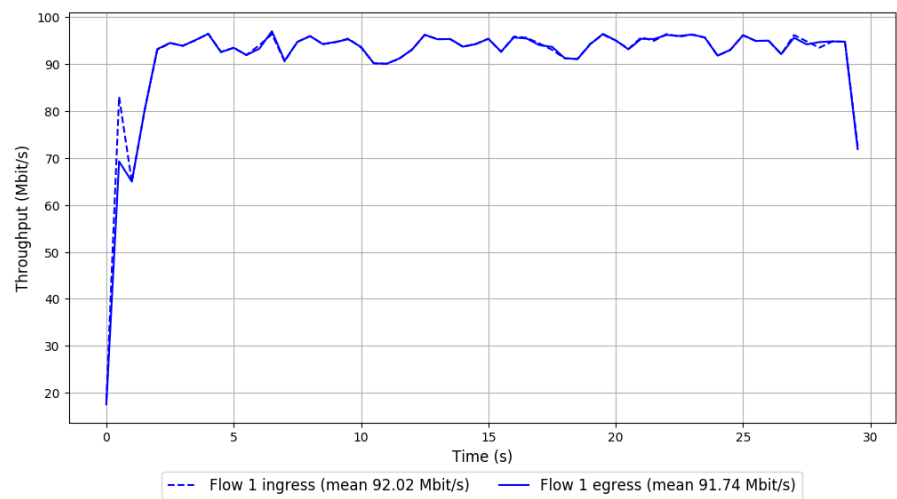


Run 2: Statistics of PCC

Start at: 2018-02-16 02:22:03
End at: 2018-02-16 02:22:33
Local clock offset: -16.116 ms
Remote clock offset: -19.876 ms

Below is generated by plot.py at 2018-02-16 06:01:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: -0.096 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: -0.096 ms
Loss rate: 0.27%

Run 2: Report of PCC — Data Link

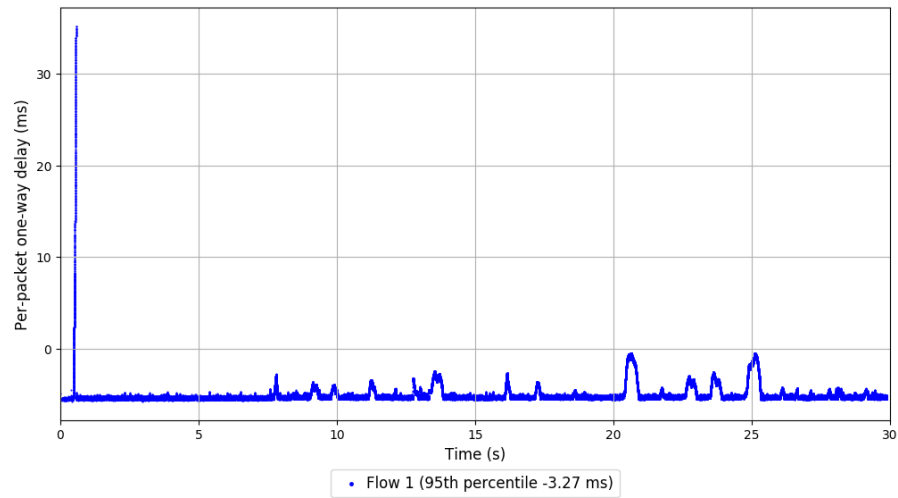
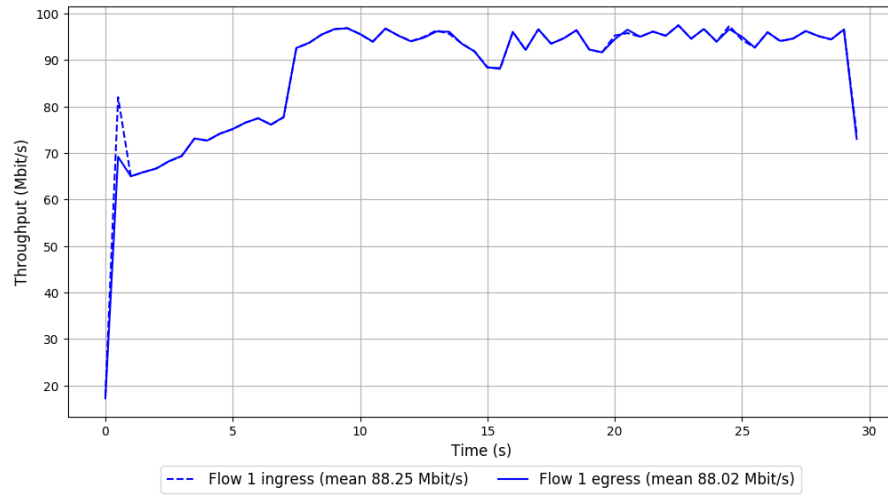


Run 3: Statistics of PCC

Start at: 2018-02-16 02:43:37
End at: 2018-02-16 02:44:07
Local clock offset: -13.655 ms
Remote clock offset: -18.424 ms

Below is generated by plot.py at 2018-02-16 06:02:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.02 Mbit/s
95th percentile per-packet one-way delay: -3.272 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 88.02 Mbit/s
95th percentile per-packet one-way delay: -3.272 ms
Loss rate: 0.26%

Run 3: Report of PCC — Data Link

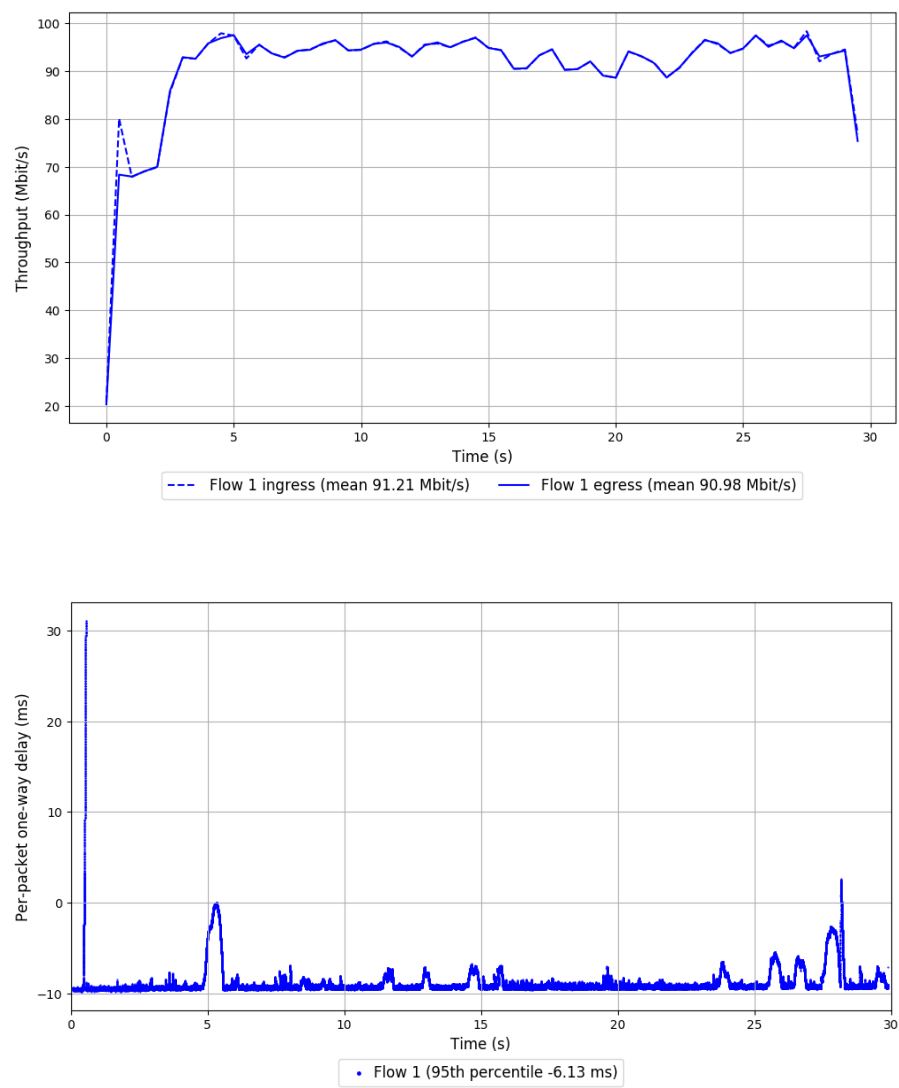


Run 4: Statistics of PCC

Start at: 2018-02-16 03:05:18
End at: 2018-02-16 03:05:48
Local clock offset: -5.173 ms
Remote clock offset: -20.623 ms

Below is generated by plot.py at 2018-02-16 06:02:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: -6.130 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: -6.130 ms
Loss rate: 0.25%

Run 4: Report of PCC — Data Link

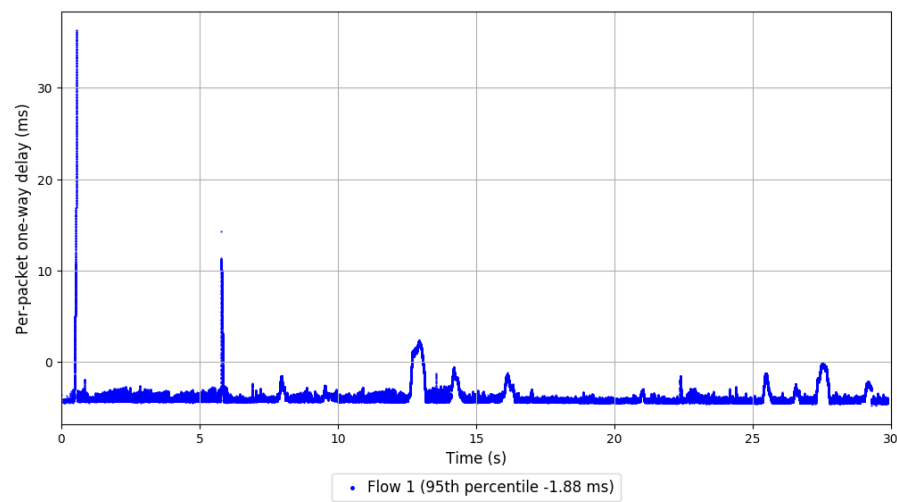
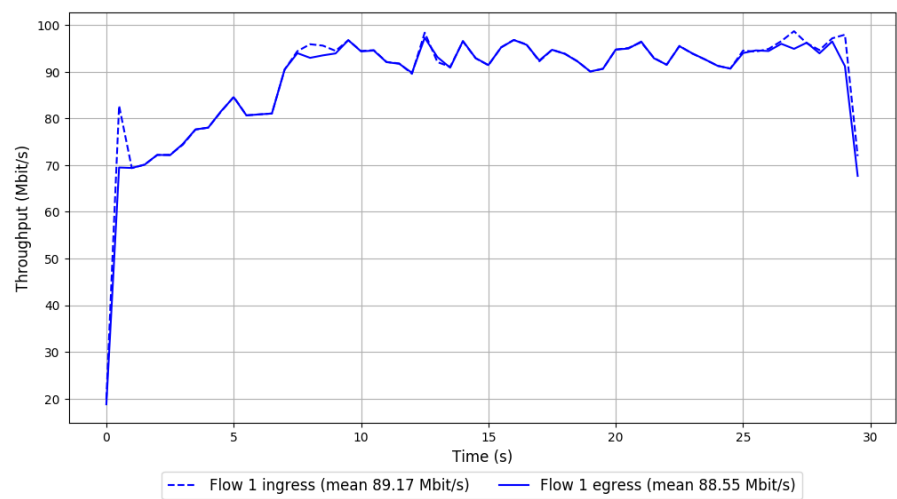


Run 5: Statistics of PCC

Start at: 2018-02-16 03:27:16
End at: 2018-02-16 03:27:46
Local clock offset: -9.009 ms
Remote clock offset: -24.664 ms

Below is generated by plot.py at 2018-02-16 06:02:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: -1.879 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: -1.879 ms
Loss rate: 0.70%

Run 5: Report of PCC — Data Link

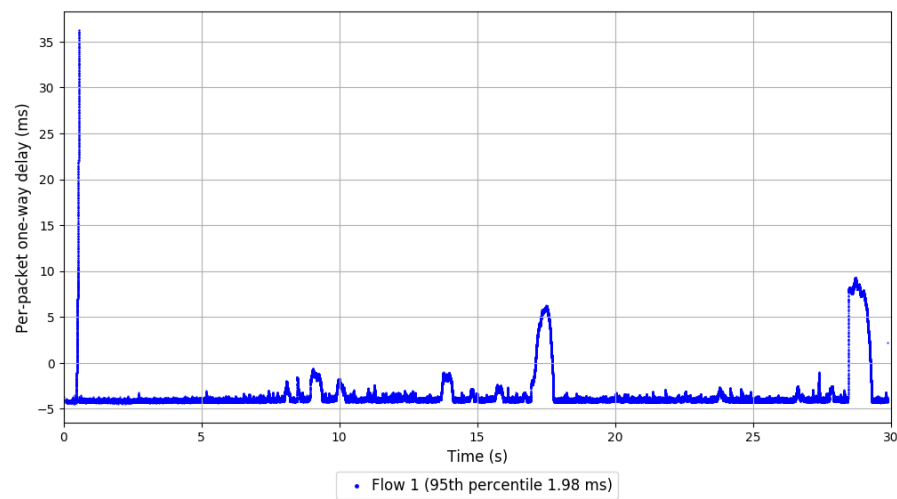
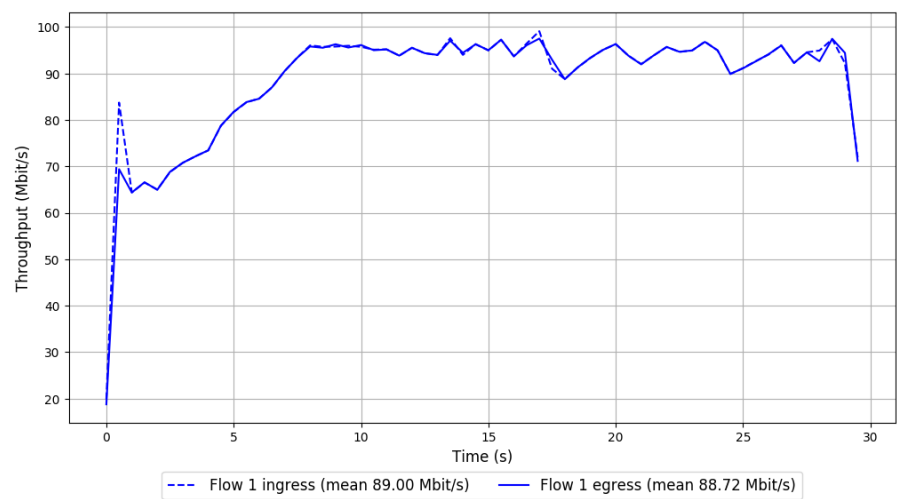


Run 6: Statistics of PCC

Start at: 2018-02-16 03:49:40
End at: 2018-02-16 03:50:10
Local clock offset: -13.138 ms
Remote clock offset: -24.079 ms

Below is generated by plot.py at 2018-02-16 06:02:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 1.976 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 1.976 ms
Loss rate: 0.30%

Run 6: Report of PCC — Data Link

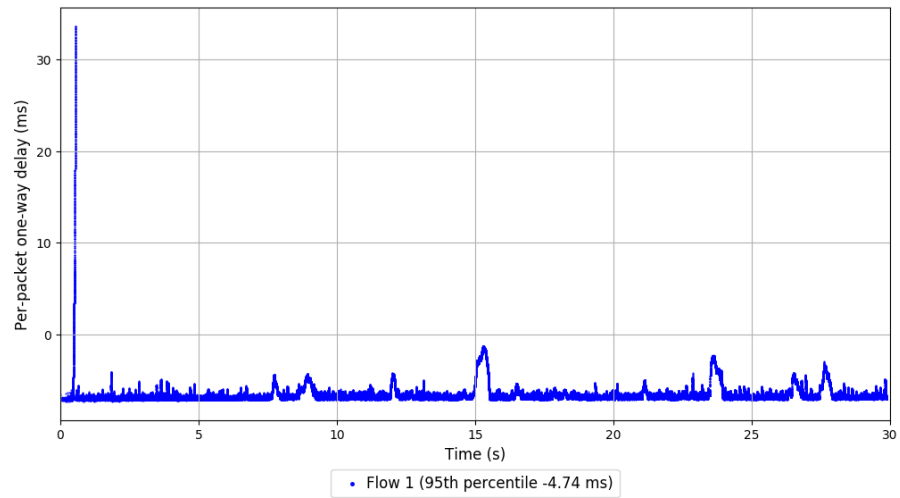
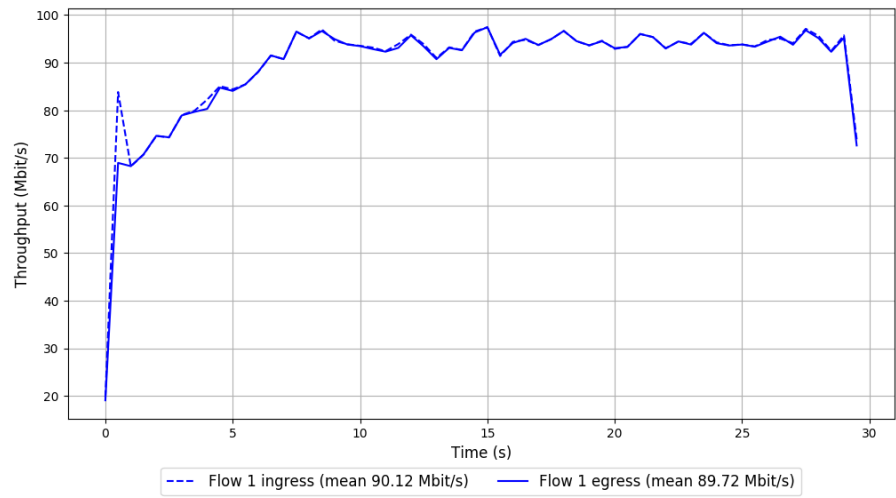


Run 7: Statistics of PCC

Start at: 2018-02-16 04:11:44
End at: 2018-02-16 04:12:14
Local clock offset: -11.44 ms
Remote clock offset: -27.274 ms

Below is generated by plot.py at 2018-02-16 06:02:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: -4.744 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: -4.744 ms
Loss rate: 0.45%

Run 7: Report of PCC — Data Link

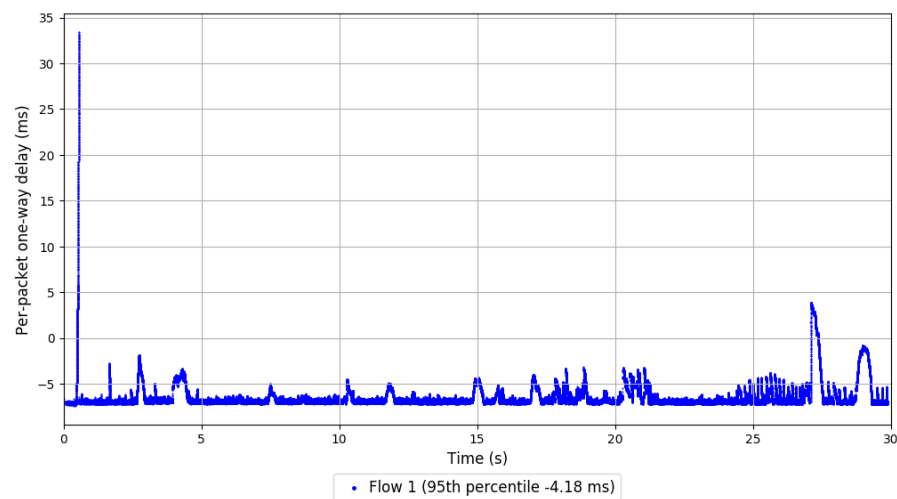
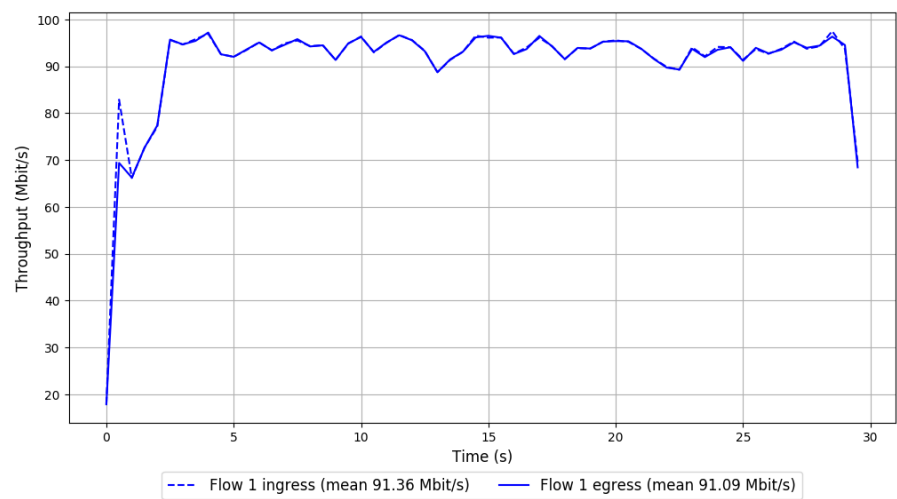


Run 8: Statistics of PCC

Start at: 2018-02-16 04:34:10
End at: 2018-02-16 04:34:40
Local clock offset: -10.214 ms
Remote clock offset: -22.83 ms

Below is generated by plot.py at 2018-02-16 06:02:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.09 Mbit/s
95th percentile per-packet one-way delay: -4.178 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.09 Mbit/s
95th percentile per-packet one-way delay: -4.178 ms
Loss rate: 0.29%

Run 8: Report of PCC — Data Link

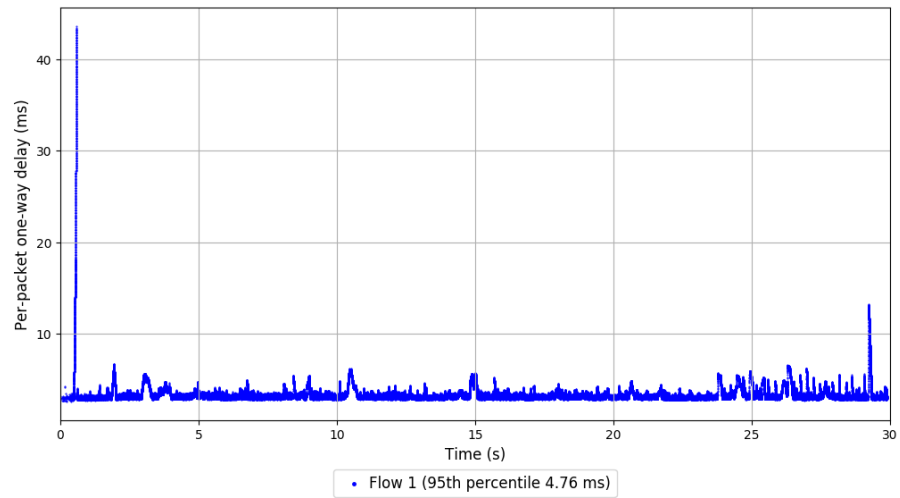
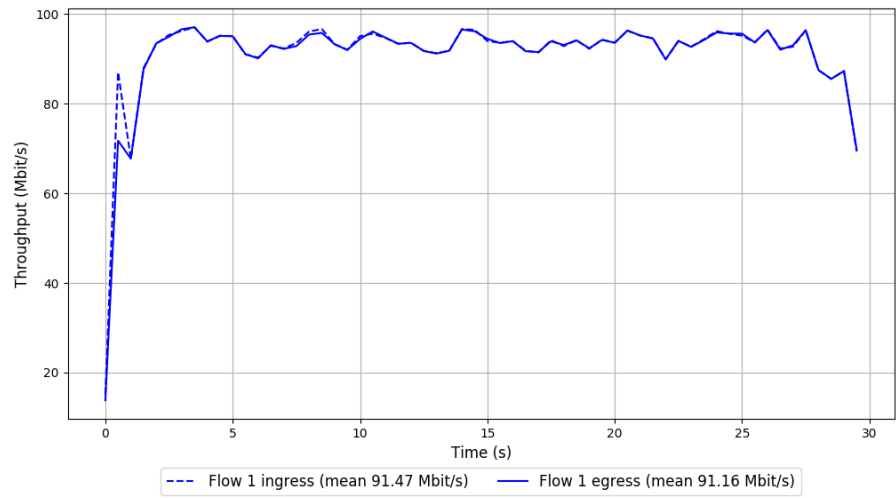


Run 9: Statistics of PCC

Start at: 2018-02-16 04:56:35
End at: 2018-02-16 04:57:05
Local clock offset: -20.815 ms
Remote clock offset: -21.261 ms

Below is generated by plot.py at 2018-02-16 06:03:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 4.764 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 4.764 ms
Loss rate: 0.34%

Run 9: Report of PCC — Data Link

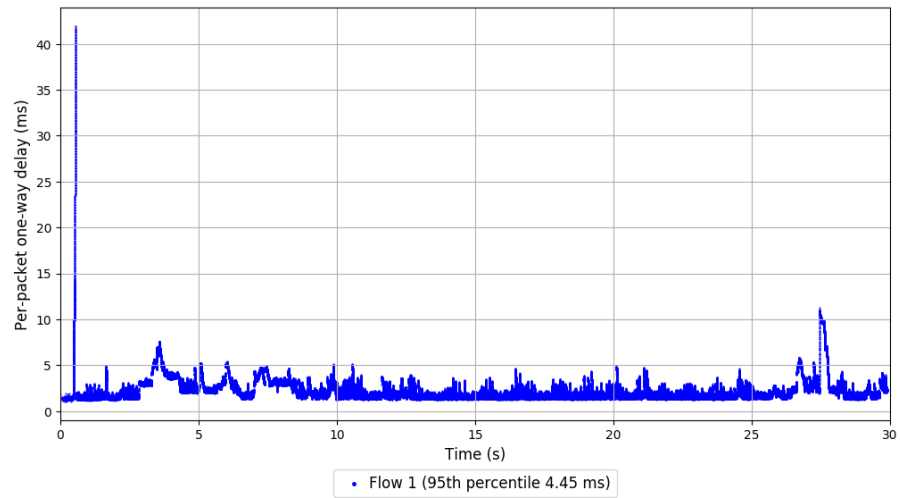
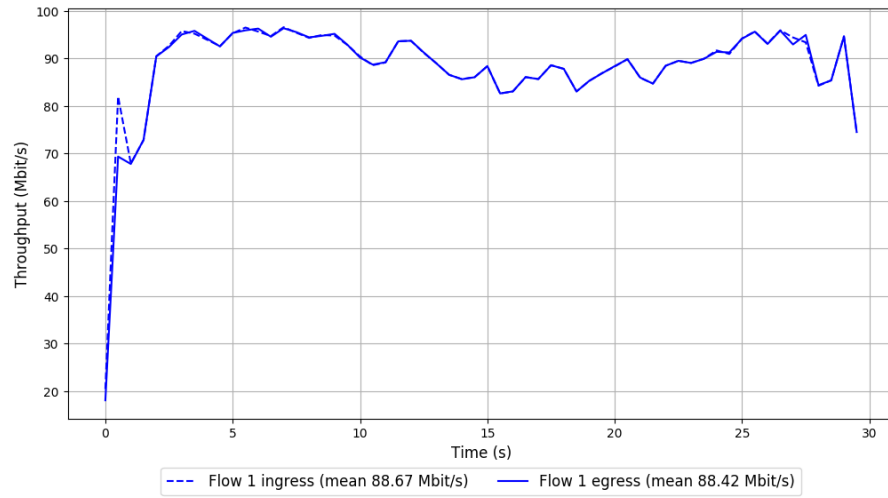


Run 10: Statistics of PCC

Start at: 2018-02-16 05:18:53
End at: 2018-02-16 05:19:23
Local clock offset: -16.591 ms
Remote clock offset: -20.283 ms

Below is generated by plot.py at 2018-02-16 06:03:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 4.446 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 4.446 ms
Loss rate: 0.28%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

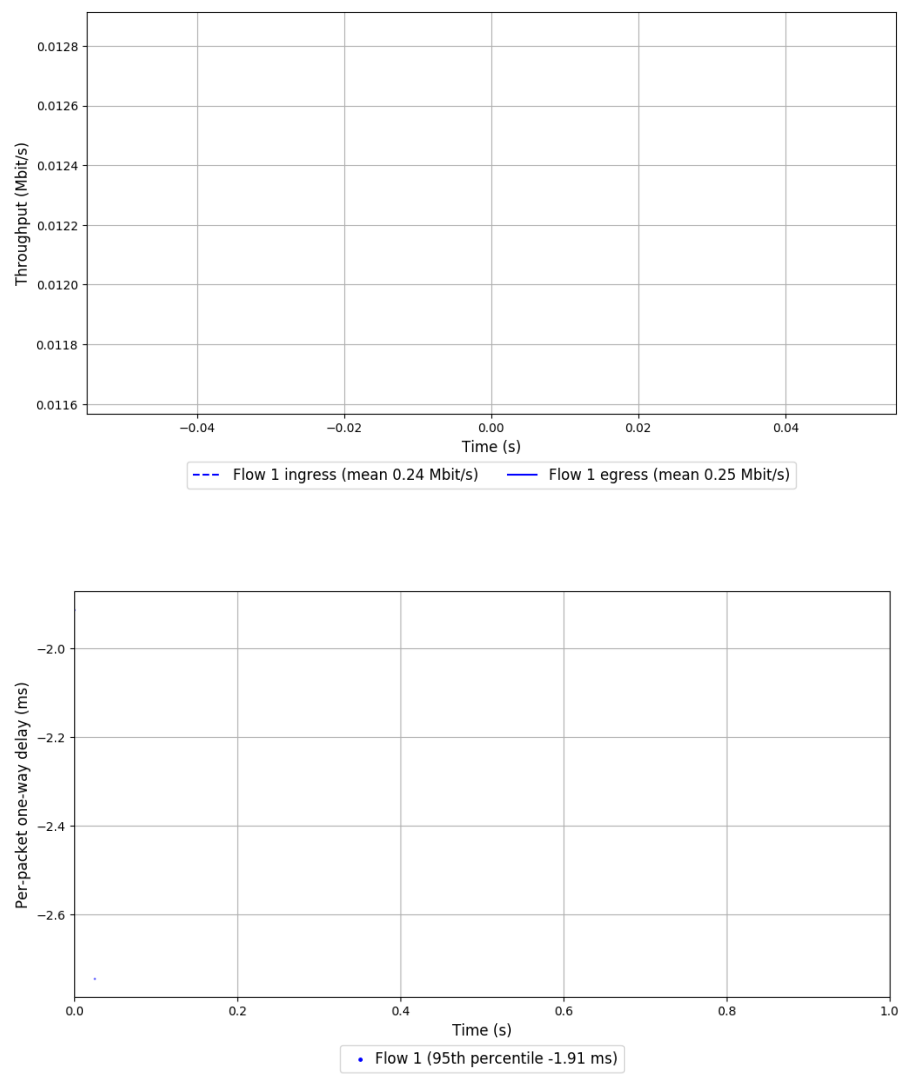
Start at: 2018-02-16 01:48:15

End at: 2018-02-16 01:48:45

Local clock offset: -11.817 ms

Remote clock offset: -19.988 ms

Run 1: Report of QUIC Cubic — Data Link

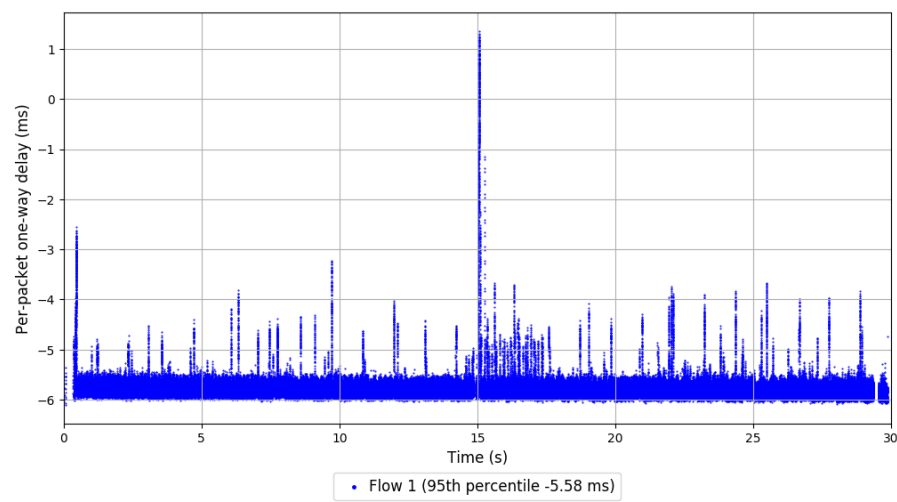
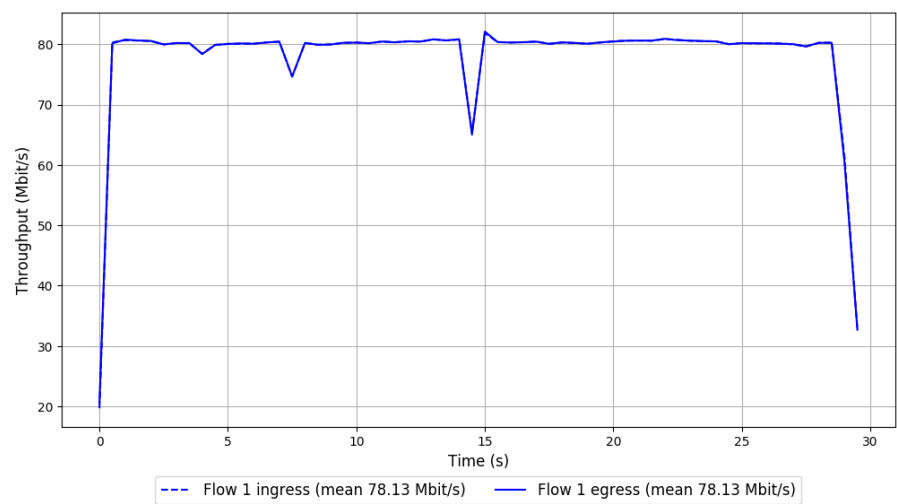


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 02:10:16
End at: 2018-02-16 02:10:46
Local clock offset: -12.882 ms
Remote clock offset: -19.912 ms

Below is generated by plot.py at 2018-02-16 06:03:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.13 Mbit/s
95th percentile per-packet one-way delay: -5.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.13 Mbit/s
95th percentile per-packet one-way delay: -5.575 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

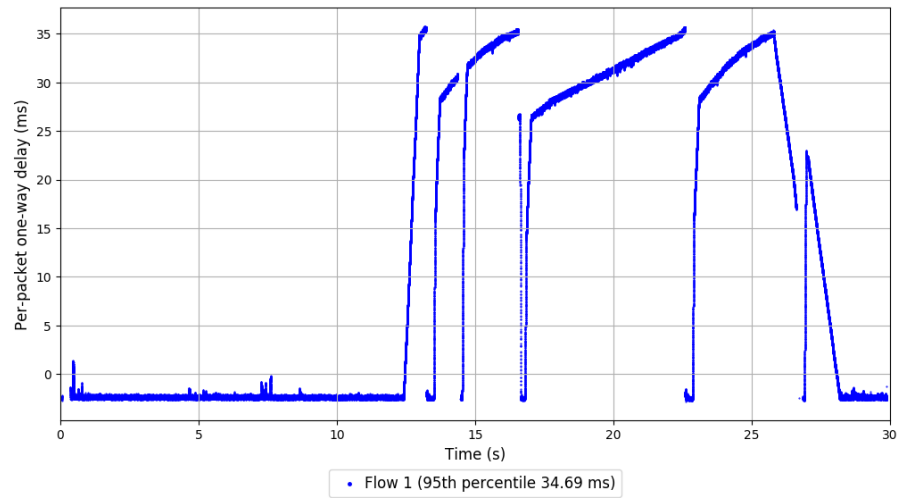
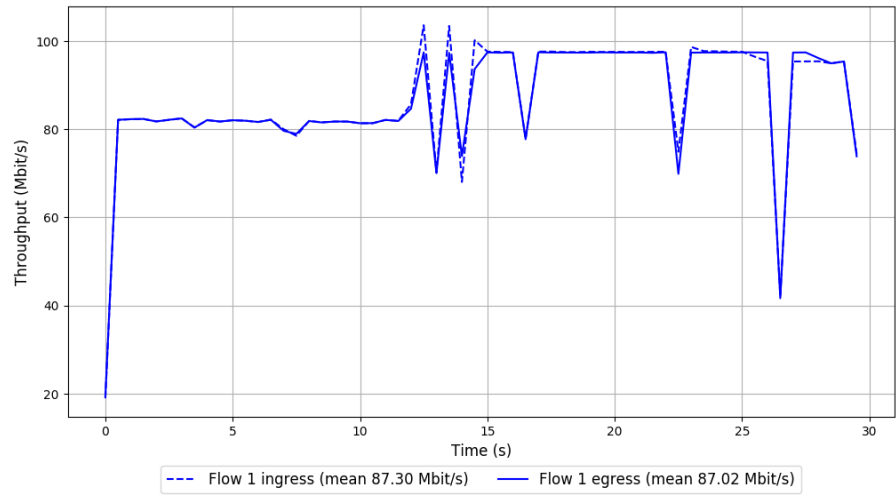


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 02:31:50
End at: 2018-02-16 02:32:20
Local clock offset: -17.594 ms
Remote clock offset: -19.609 ms

Below is generated by plot.py at 2018-02-16 06:04:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: 34.688 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: 34.688 ms
Loss rate: 0.32%

Run 3: Report of QUIC Cubic — Data Link

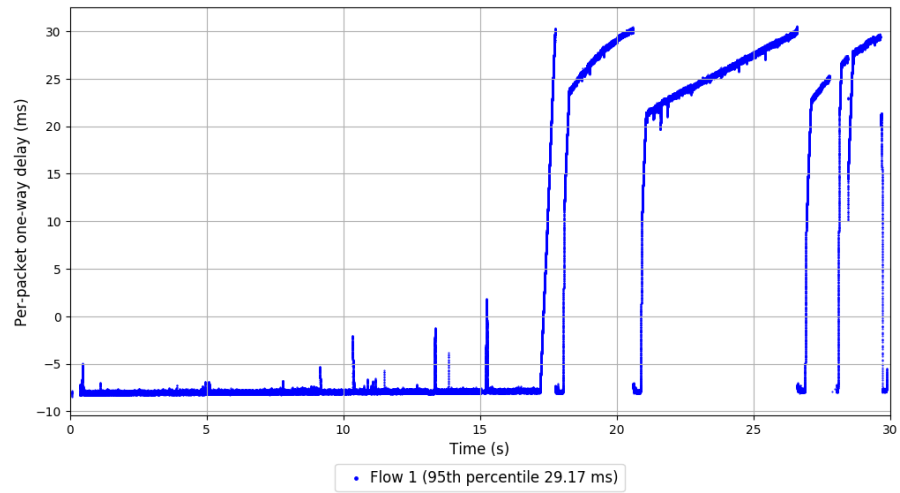
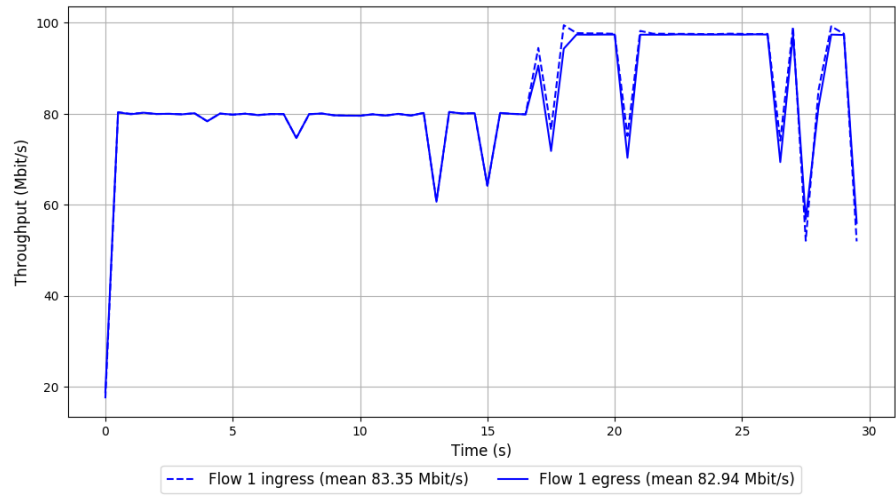


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 02:53:25
End at: 2018-02-16 02:53:55
Local clock offset: -11.266 ms
Remote clock offset: -19.83 ms

Below is generated by plot.py at 2018-02-16 06:04:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 29.166 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 29.166 ms
Loss rate: 0.48%

Run 4: Report of QUIC Cubic — Data Link

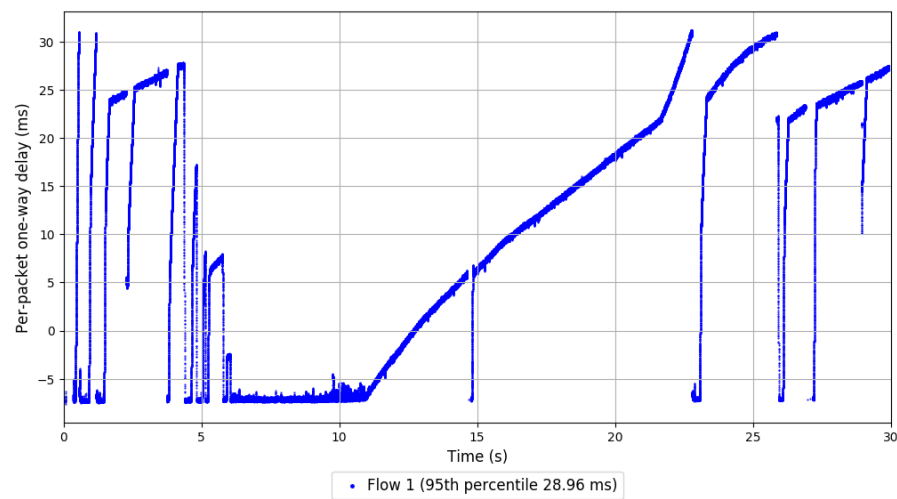
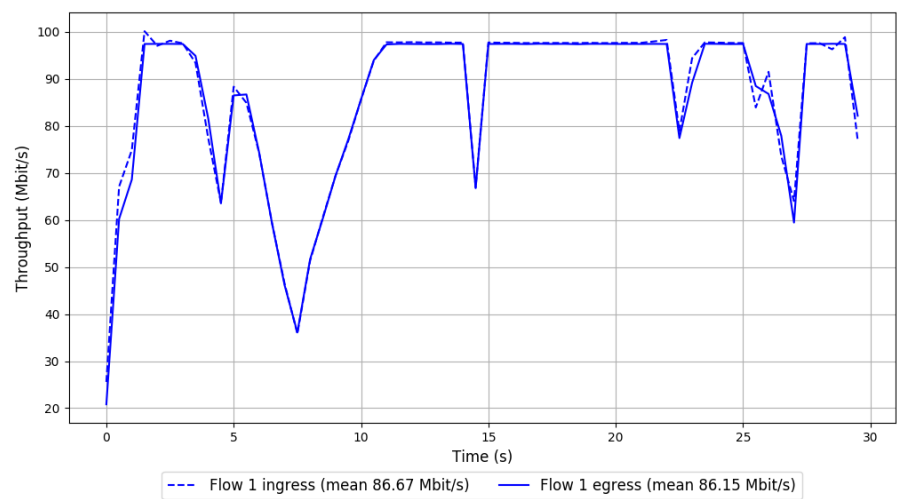


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 03:15:11
End at: 2018-02-16 03:15:41
Local clock offset: -3.046 ms
Remote clock offset: -19.339 ms

Below is generated by plot.py at 2018-02-16 06:04:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 28.965 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 28.965 ms
Loss rate: 0.49%

Run 5: Report of QUIC Cubic — Data Link

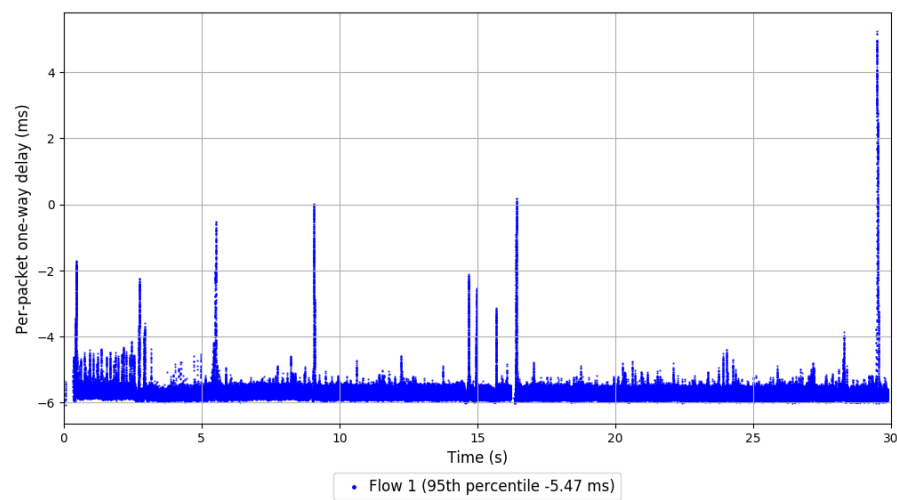
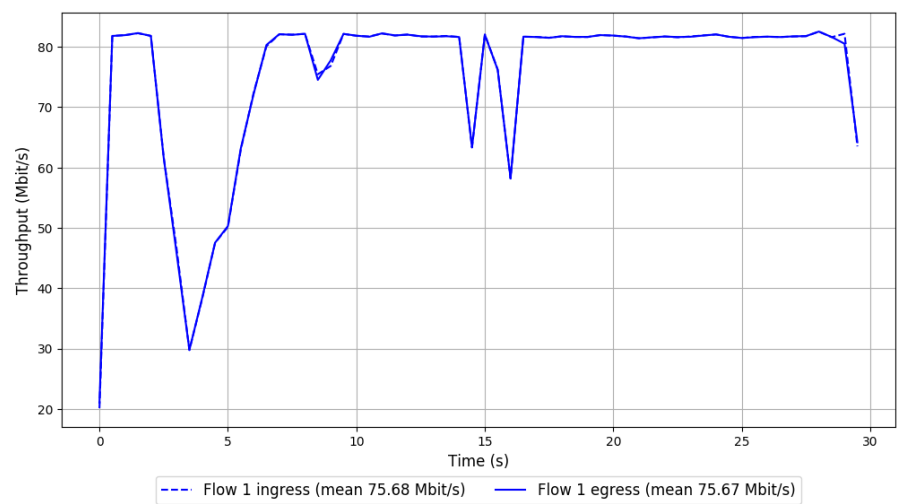


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 03:37:22
End at: 2018-02-16 03:37:52
Local clock offset: -11.188 ms
Remote clock offset: -24.945 ms

Below is generated by plot.py at 2018-02-16 06:04:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: -5.471 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: -5.471 ms
Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link

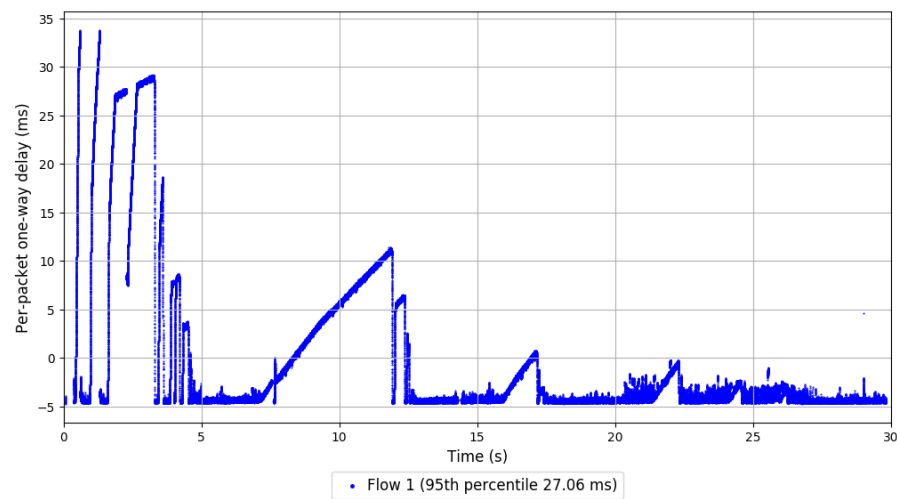
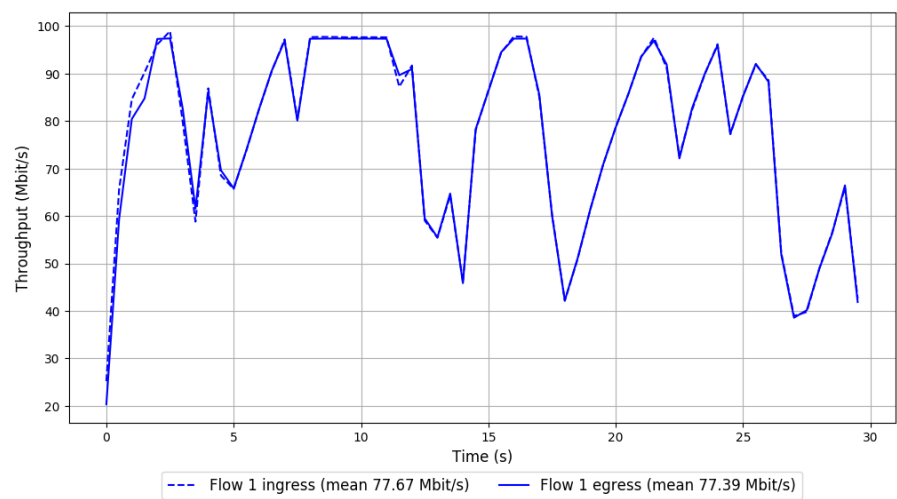


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 03:59:35
End at: 2018-02-16 04:00:05
Local clock offset: -13.753 ms
Remote clock offset: -25.205 ms

Below is generated by plot.py at 2018-02-16 06:04:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 27.058 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 27.058 ms
Loss rate: 0.36%

Run 7: Report of QUIC Cubic — Data Link

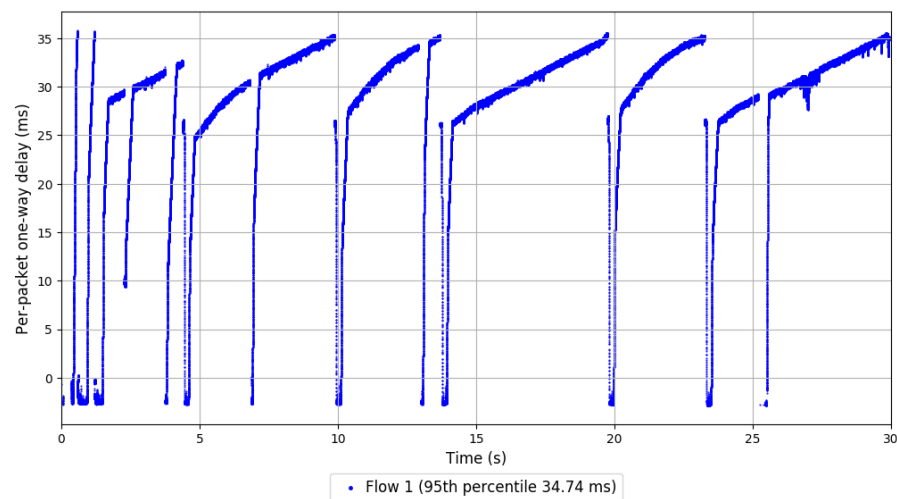
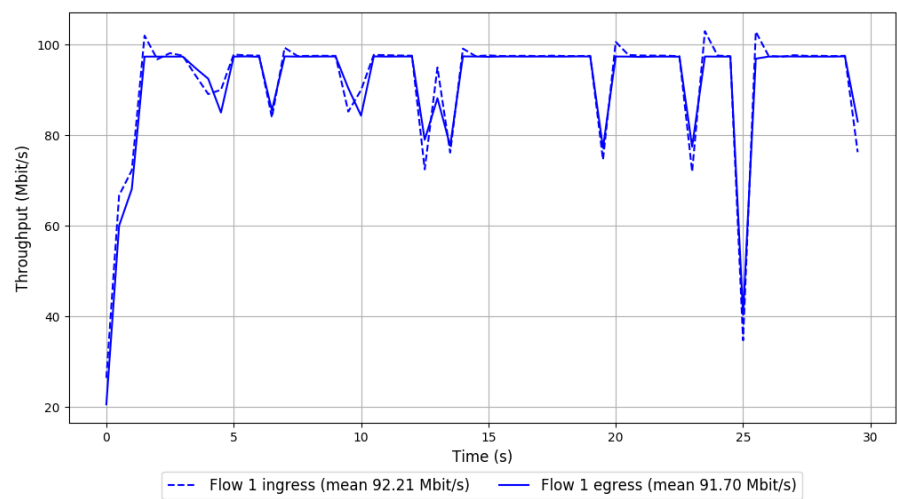


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 04:21:54
End at: 2018-02-16 04:22:24
Local clock offset: -13.297 ms
Remote clock offset: -24.38 ms

Below is generated by plot.py at 2018-02-16 06:04:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 34.741 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 34.741 ms
Loss rate: 0.43%

Run 8: Report of QUIC Cubic — Data Link

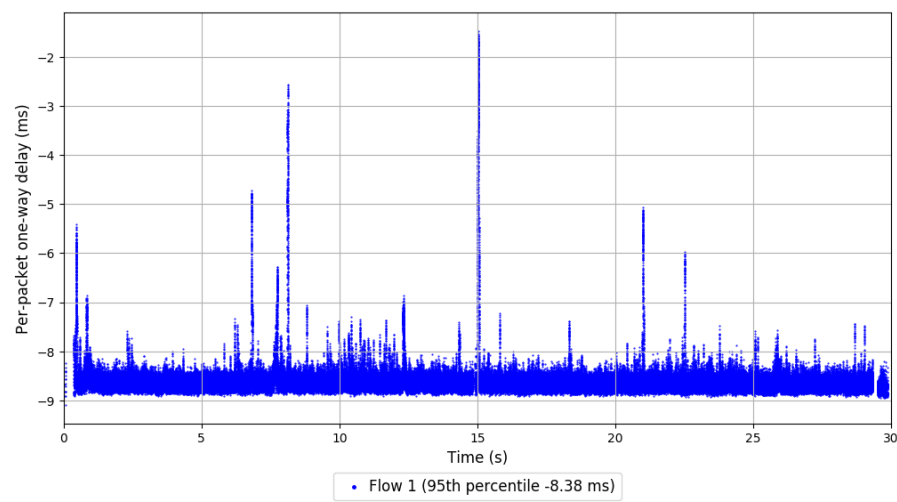
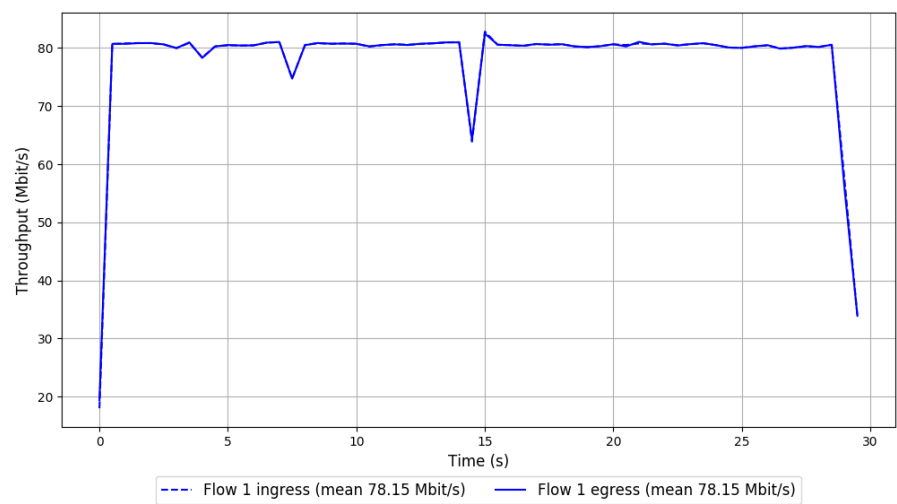


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 04:44:20
End at: 2018-02-16 04:44:50
Local clock offset: -11.049 ms
Remote clock offset: -24.076 ms

Below is generated by plot.py at 2018-02-16 06:04:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: -8.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: -8.385 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 05:06:45

End at: 2018-02-16 05:07:15

Local clock offset: -17.827 ms

Remote clock offset: -21.496 ms

Below is generated by plot.py at 2018-02-16 06:05:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.52 Mbit/s

95th percentile per-packet one-way delay: 35.126 ms

Loss rate: 0.22%

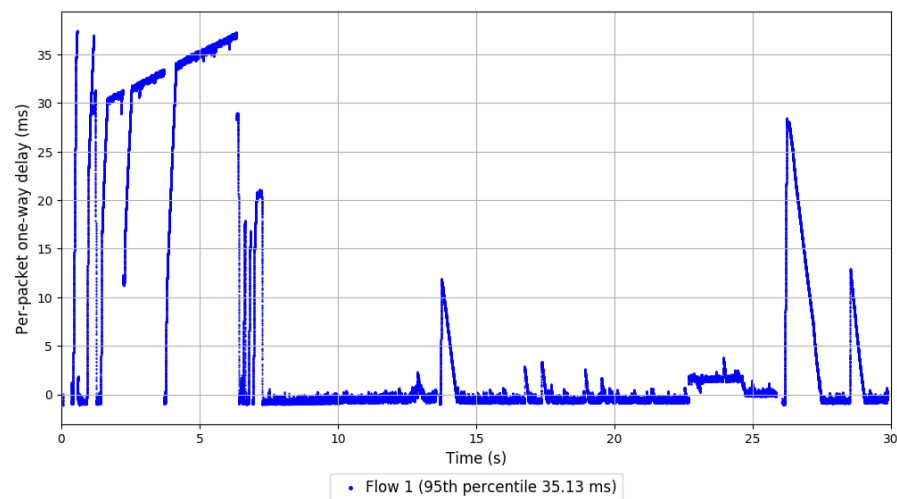
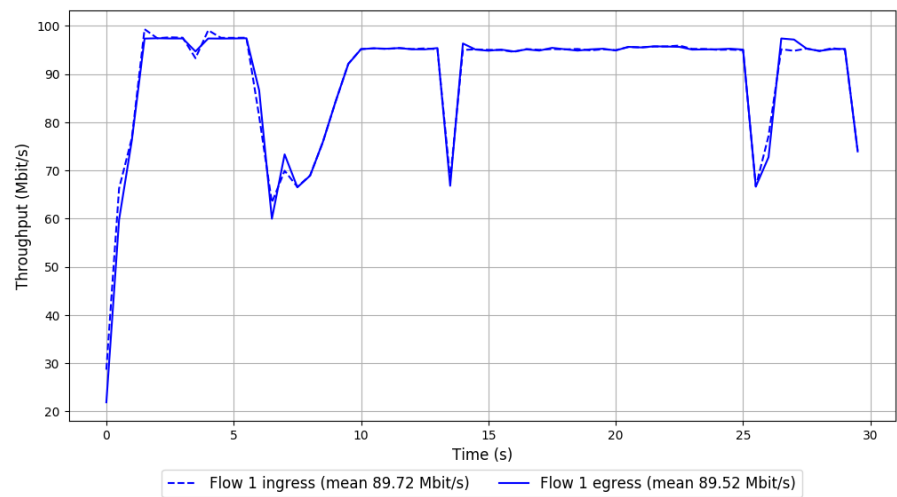
-- Flow 1:

Average throughput: 89.52 Mbit/s

95th percentile per-packet one-way delay: 35.126 ms

Loss rate: 0.22%

Run 10: Report of QUIC Cubic — Data Link

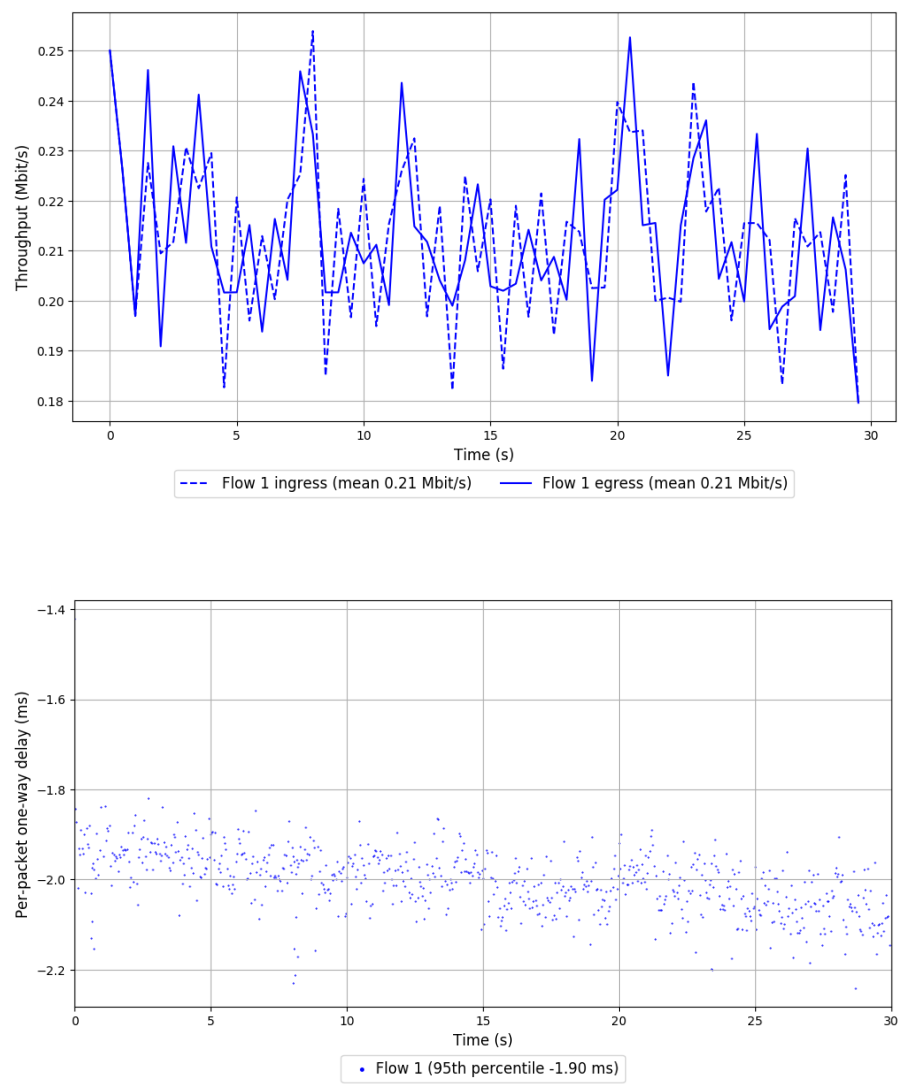


```
Run 1: Statistics of SCReAM

Start at: 2018-02-16 01:51:52
End at: 2018-02-16 01:52:22
Local clock offset: -12.581 ms
Remote clock offset: -19.047 ms

# Below is generated by plot.py at 2018-02-16 06:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -1.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -1.898 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

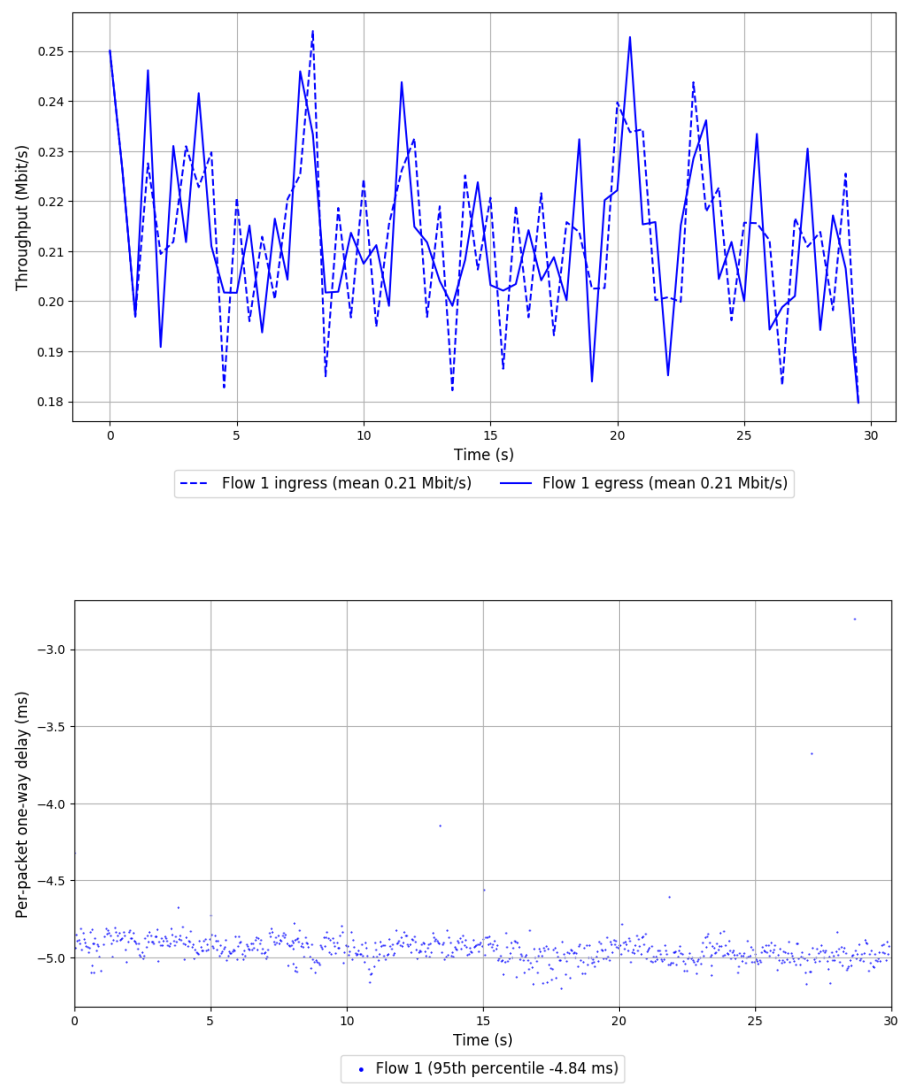


Run 2: Statistics of SCReAM

Start at: 2018-02-16 02:13:52
End at: 2018-02-16 02:14:22
Local clock offset: -14.38 ms
Remote clock offset: -19.849 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.839 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

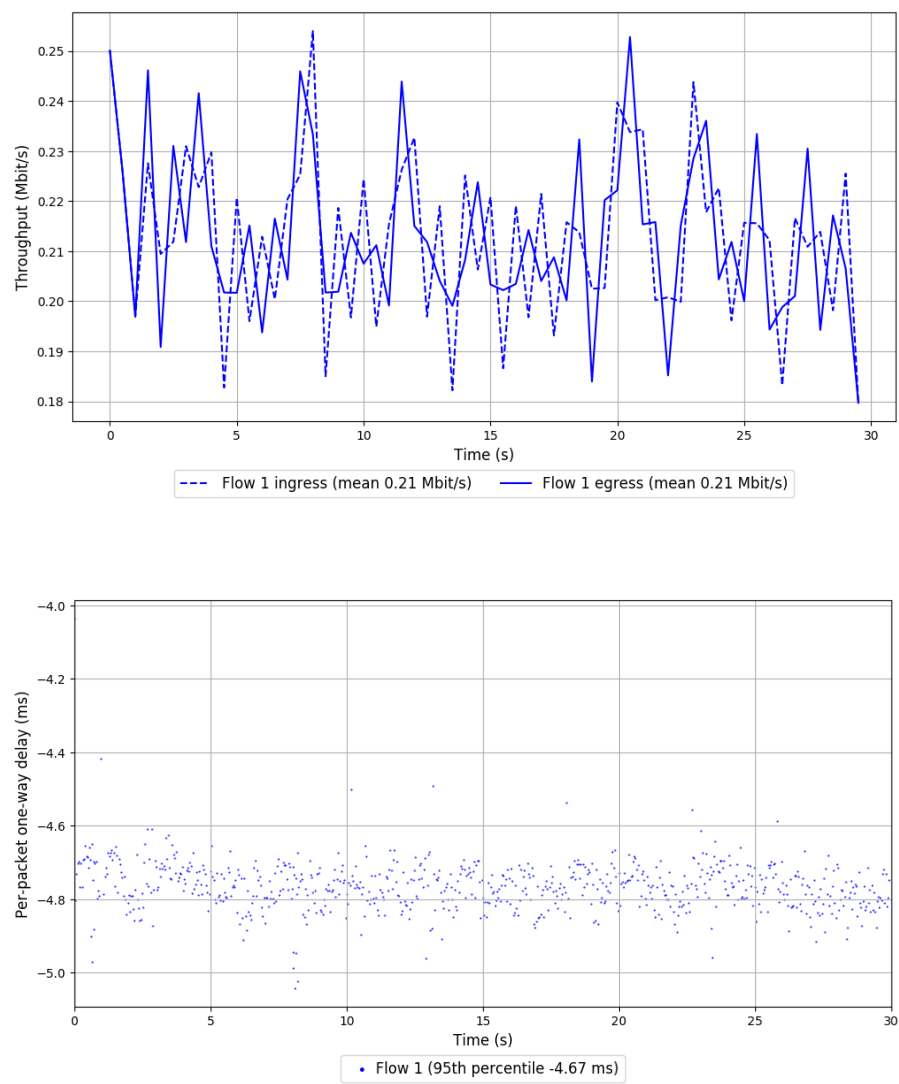


Run 3: Statistics of SReAM

Start at: 2018-02-16 02:35:27
End at: 2018-02-16 02:35:57
Local clock offset: -15.527 ms
Remote clock offset: -19.555 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.675 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

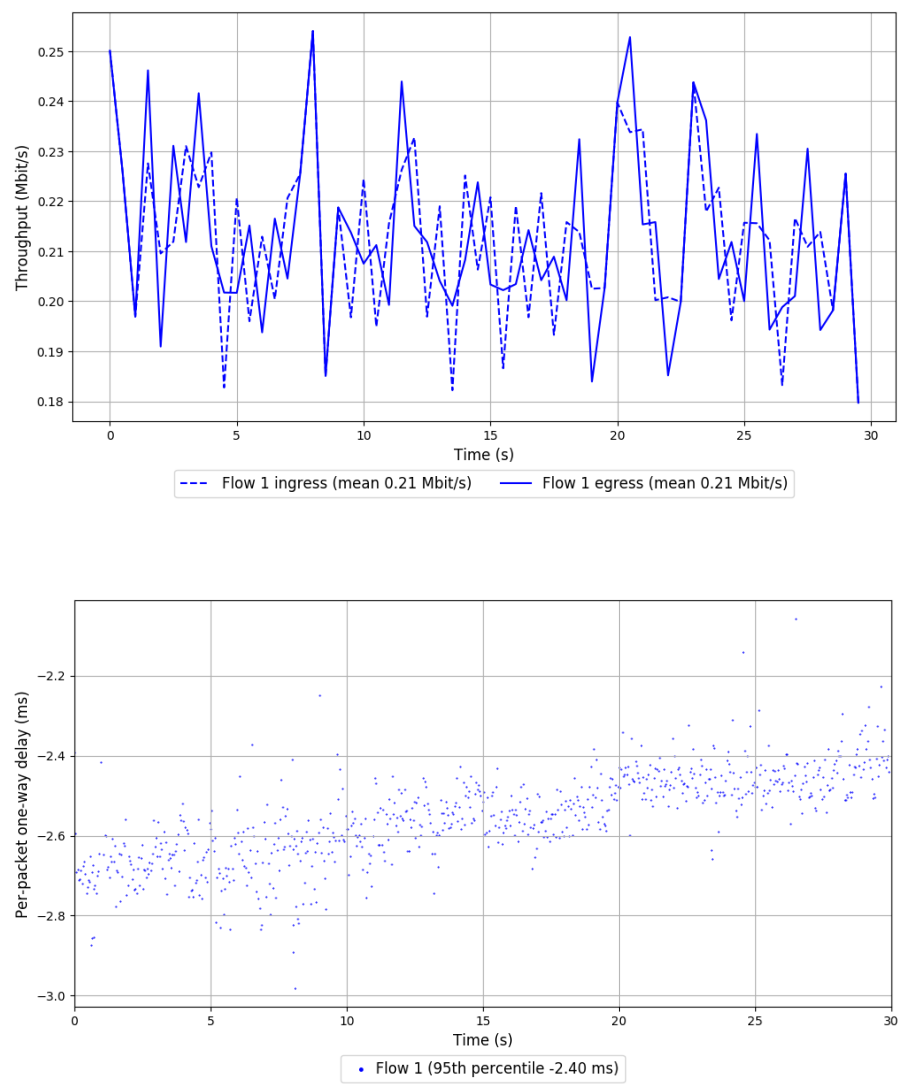


Run 4: Statistics of SReAM

Start at: 2018-02-16 02:56:57
End at: 2018-02-16 02:57:27
Local clock offset: -11.793 ms
Remote clock offset: -17.406 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -2.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -2.397 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

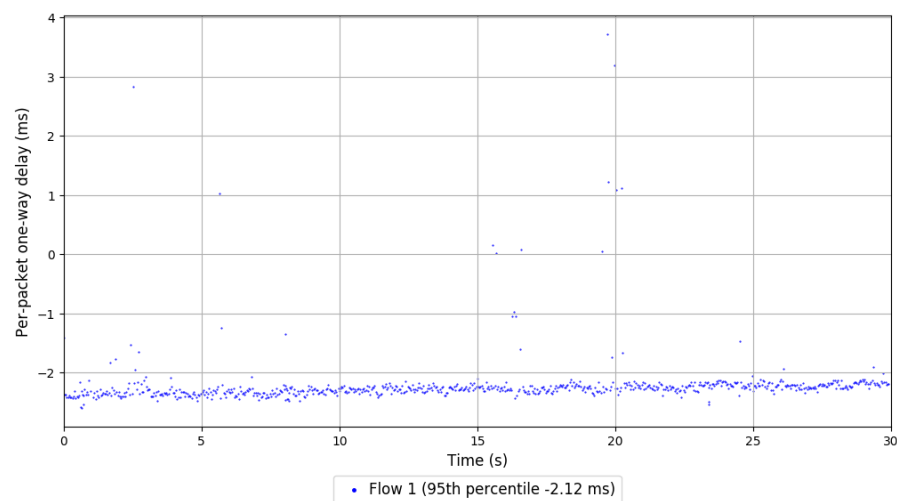
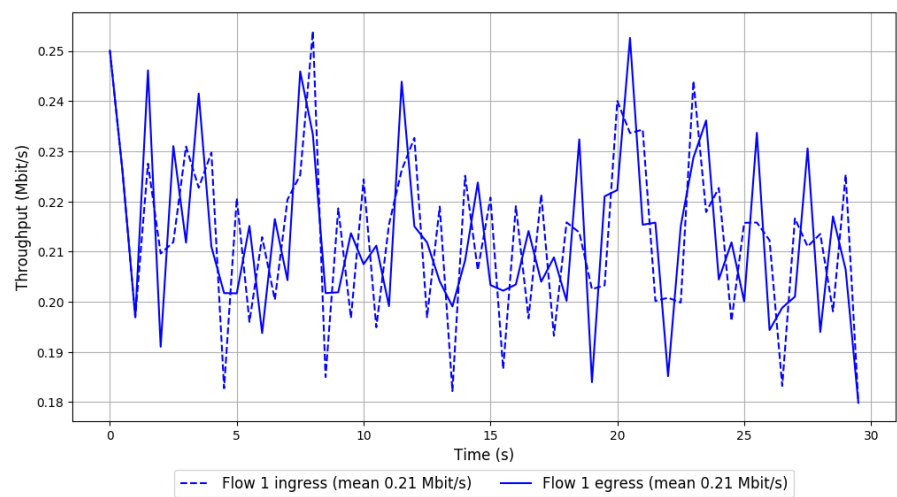


Run 5: Statistics of SCReAM

Start at: 2018-02-16 03:18:51
End at: 2018-02-16 03:19:21
Local clock offset: -8.695 ms
Remote clock offset: -21.809 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -2.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -2.123 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

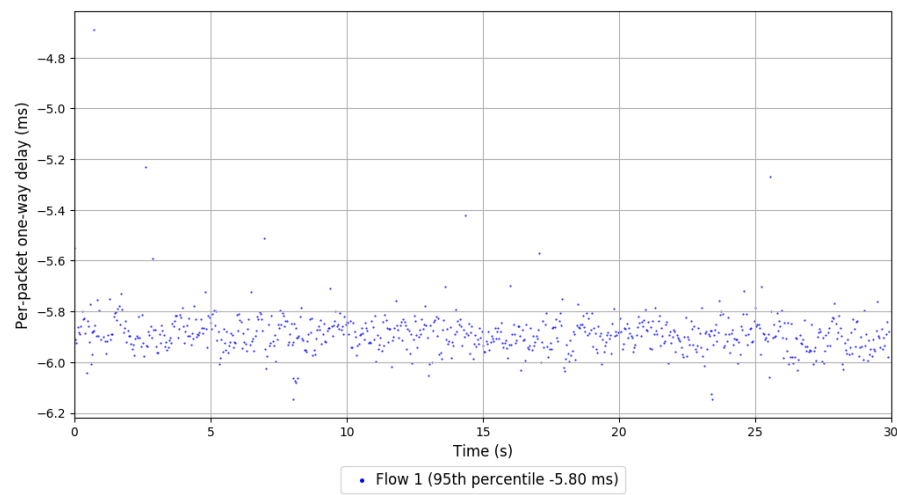
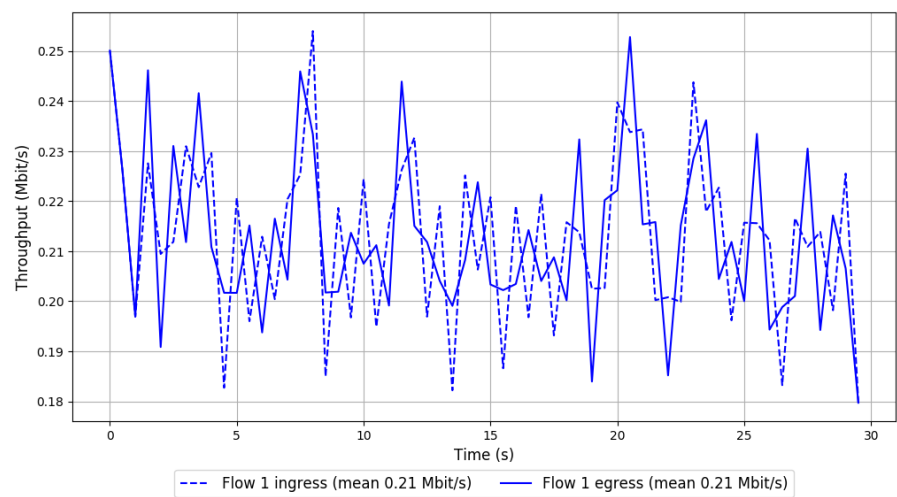


Run 6: Statistics of SCReAM

Start at: 2018-02-16 03:41:10
End at: 2018-02-16 03:41:40
Local clock offset: -10.741 ms
Remote clock offset: -24.186 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.796 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

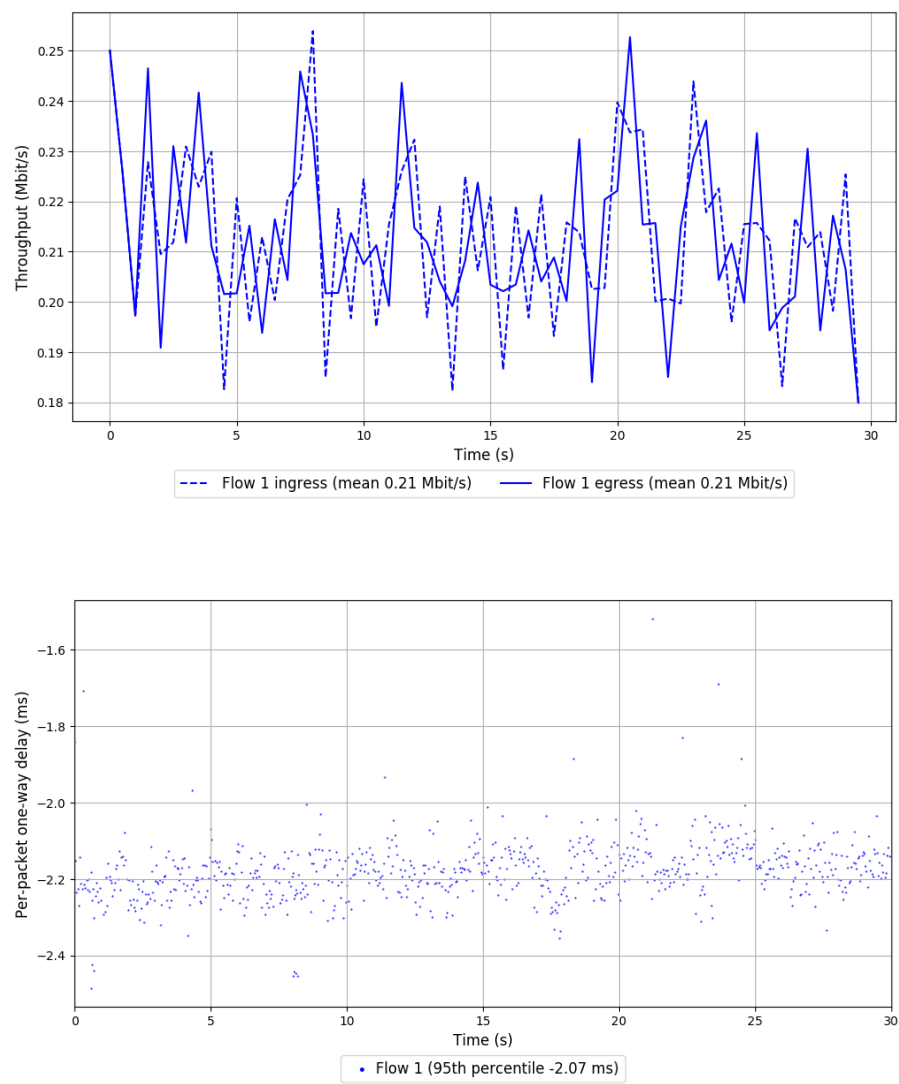


Run 7: Statistics of SCReAM

Start at: 2018-02-16 04:03:12
End at: 2018-02-16 04:03:42
Local clock offset: -15.291 ms
Remote clock offset: -24.998 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -2.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -2.071 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

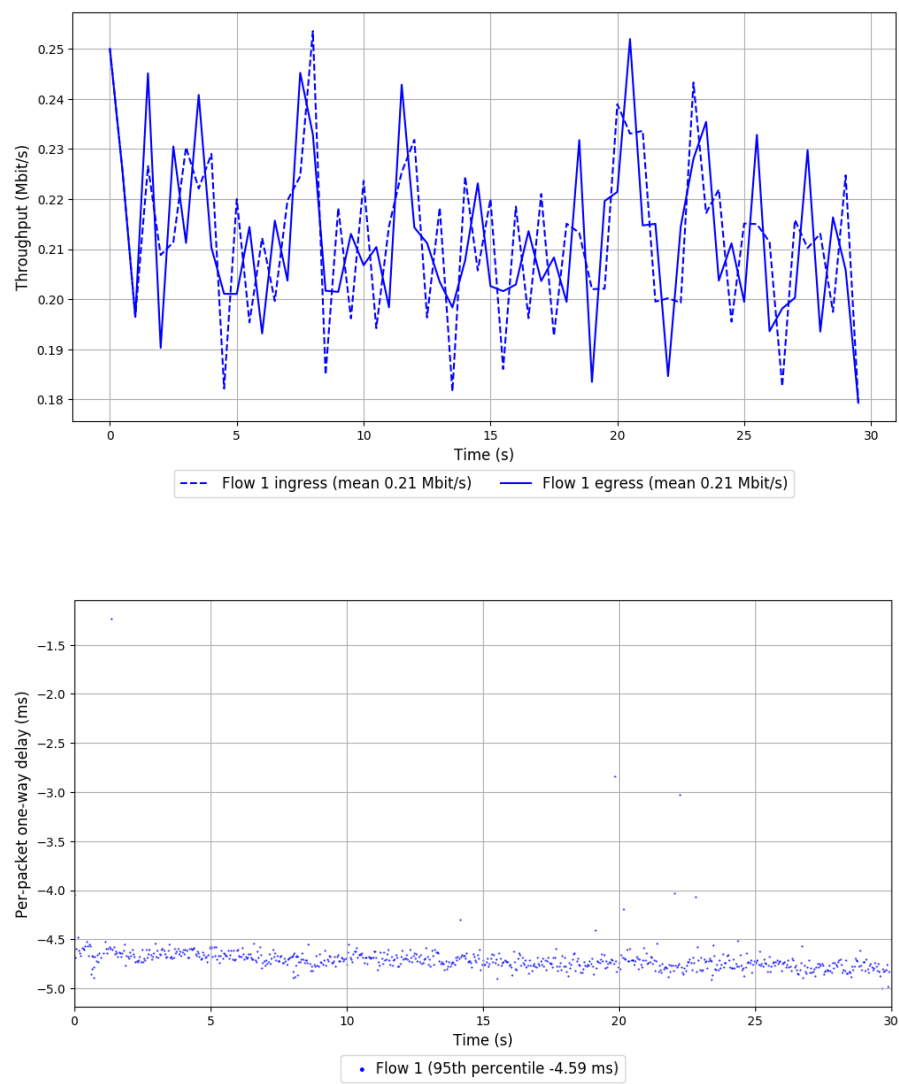


Run 8: Statistics of SCReAM

Start at: 2018-02-16 04:25:37
End at: 2018-02-16 04:26:07
Local clock offset: -12.611 ms
Remote clock offset: -24.69 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.590 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

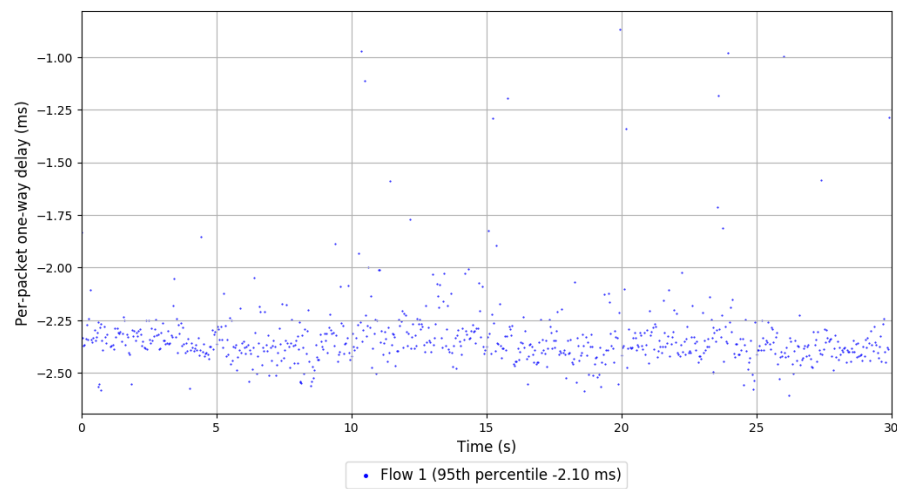
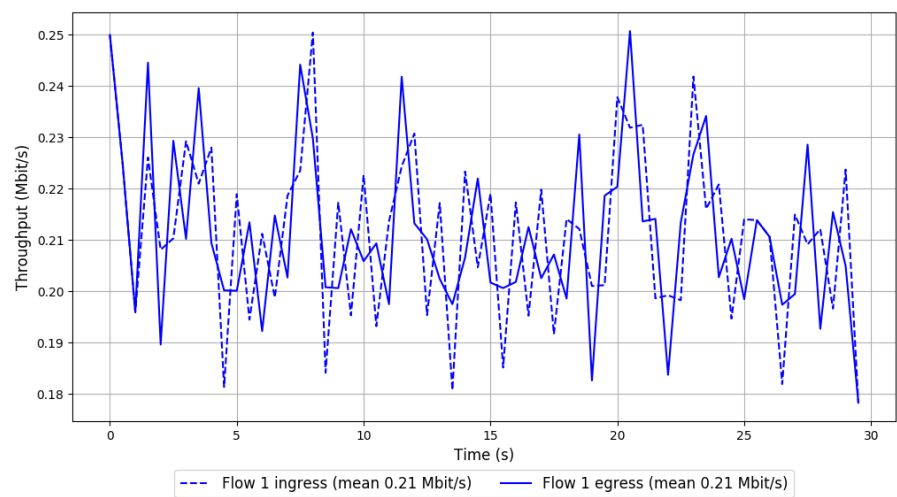


Run 9: Statistics of SReAM

Start at: 2018-02-16 04:48:06
End at: 2018-02-16 04:48:36
Local clock offset: -14.882 ms
Remote clock offset: -21.333 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -2.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -2.103 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

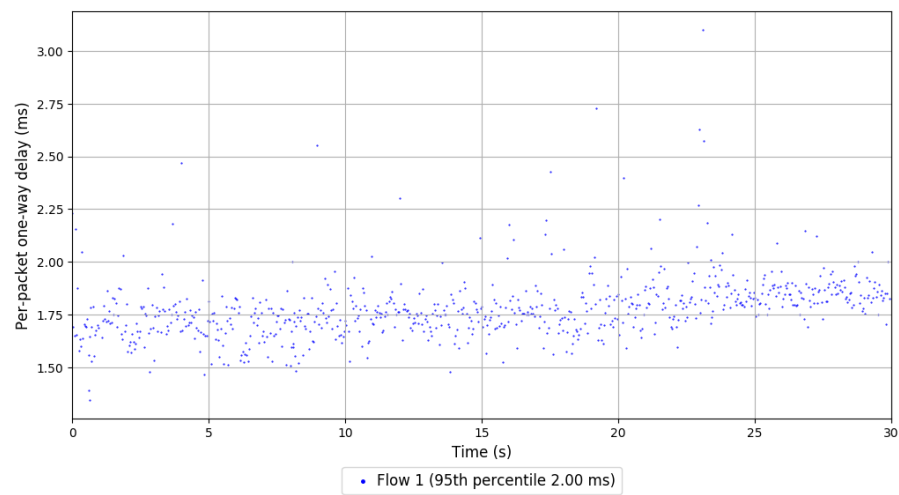
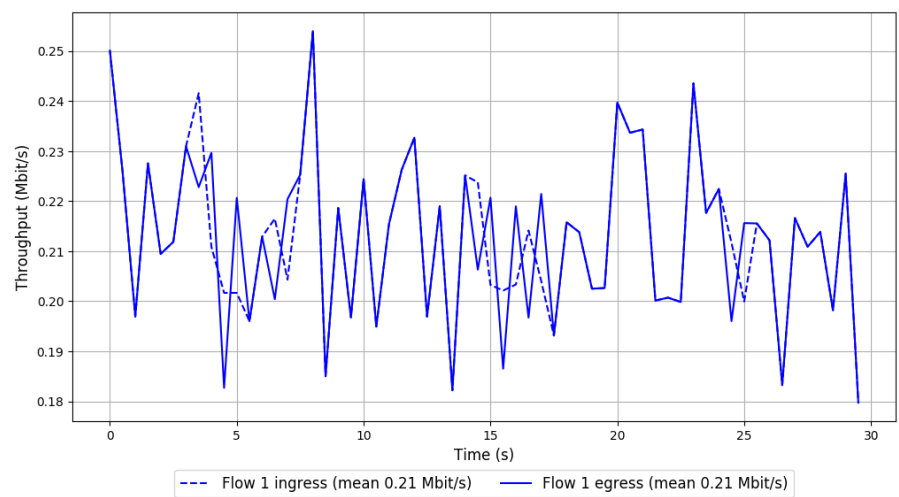


Run 10: Statistics of SReAM

Start at: 2018-02-16 05:10:26
End at: 2018-02-16 05:10:56
Local clock offset: -17.57 ms
Remote clock offset: -19.384 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 2.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 2.000 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

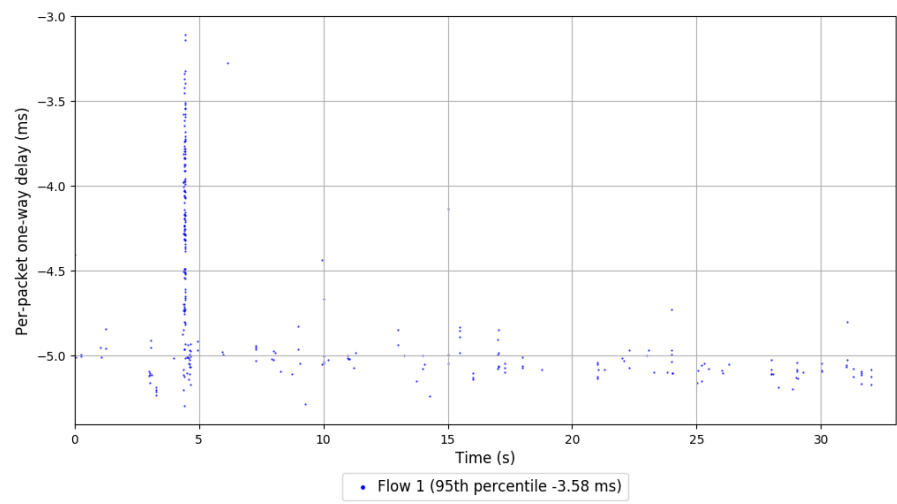
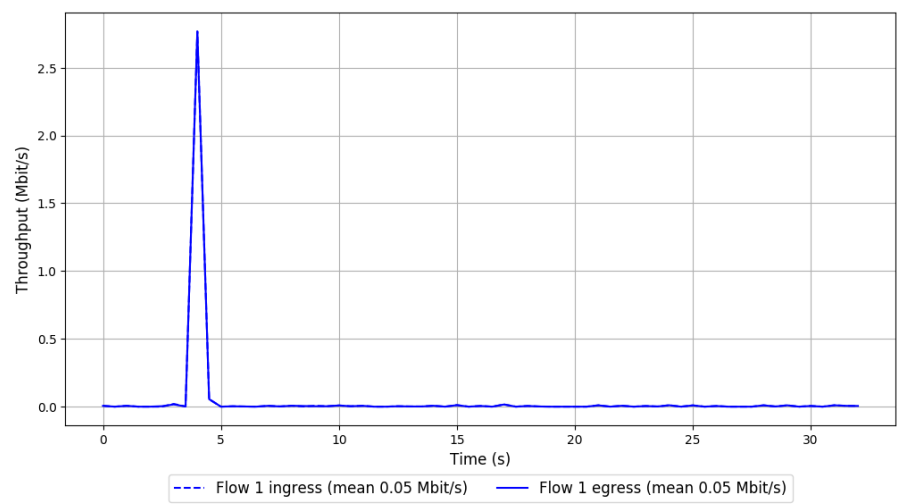


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-16 01:58:17
End at: 2018-02-16 01:58:48
Local clock offset: -12.143 ms
Remote clock offset: -20.377 ms

# Below is generated by plot.py at 2018-02-16 06:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: -3.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: -3.578 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

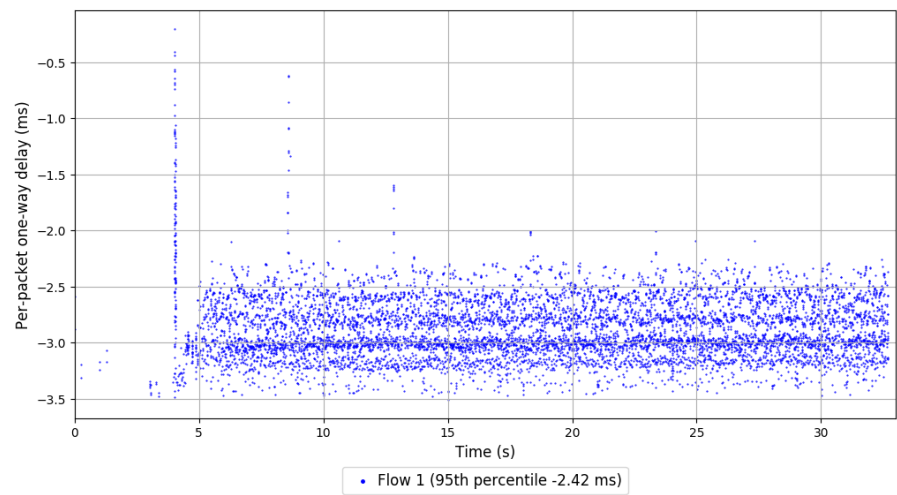
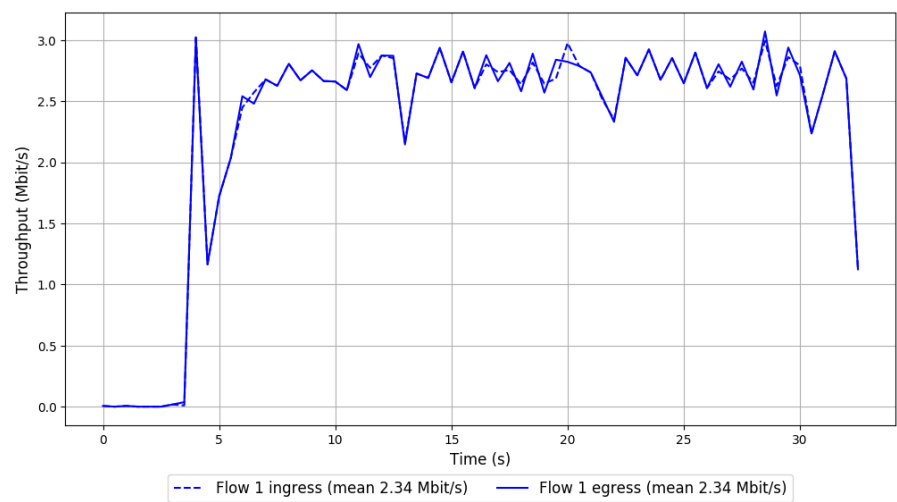


Run 2: Statistics of WebRTC media

Start at: 2018-02-16 02:19:52
End at: 2018-02-16 02:20:22
Local clock offset: -17.087 ms
Remote clock offset: -20.087 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.425 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

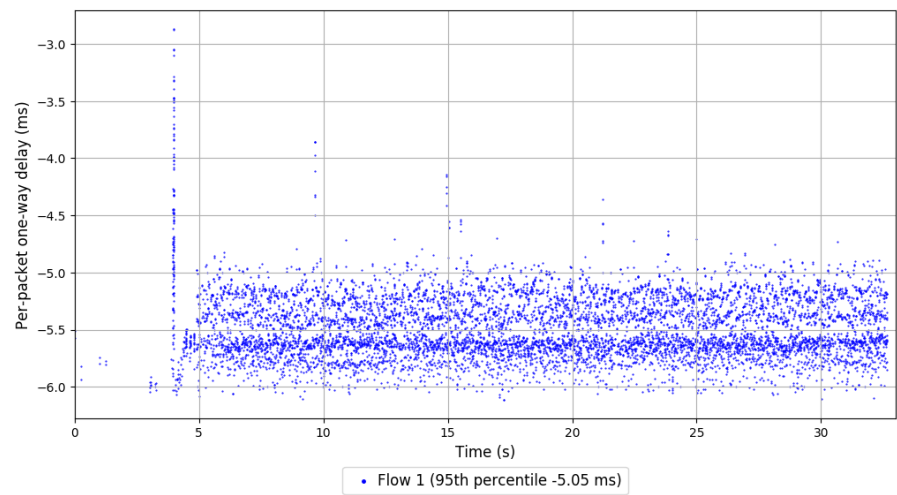
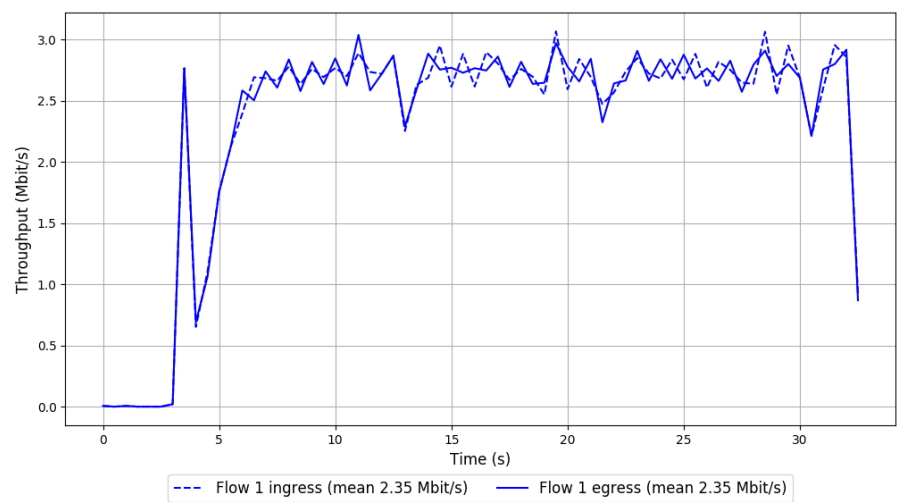


Run 3: Statistics of WebRTC media

Start at: 2018-02-16 02:41:27
End at: 2018-02-16 02:41:57
Local clock offset: -12.567 ms
Remote clock offset: -17.599 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -5.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -5.053 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

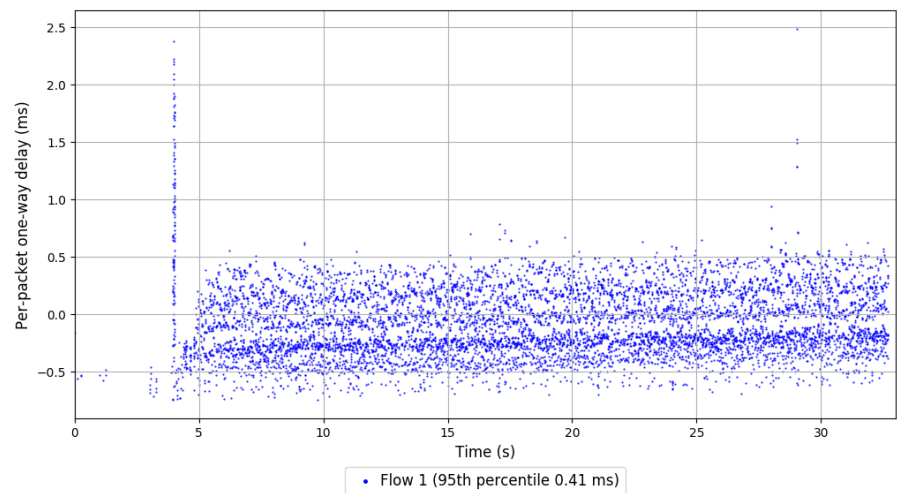
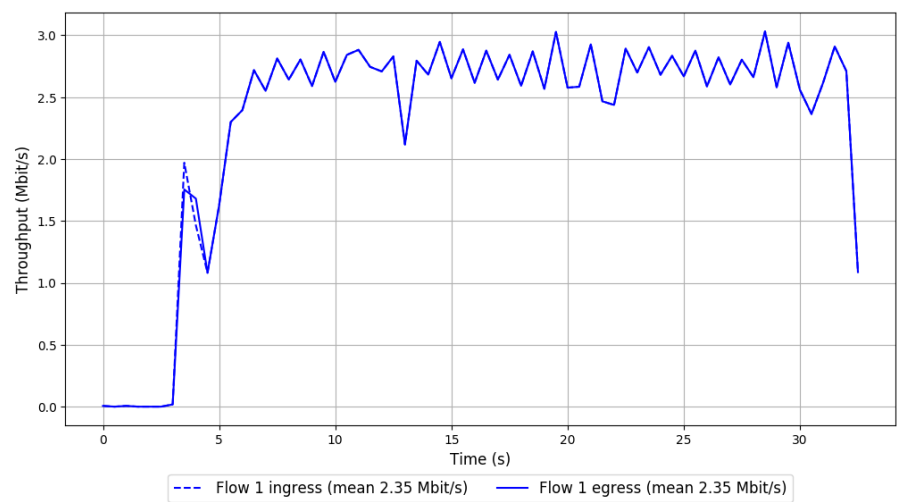


Run 4: Statistics of WebRTC media

Start at: 2018-02-16 03:03:05
End at: 2018-02-16 03:03:35
Local clock offset: -12.366 ms
Remote clock offset: -18.034 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 0.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 0.410 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

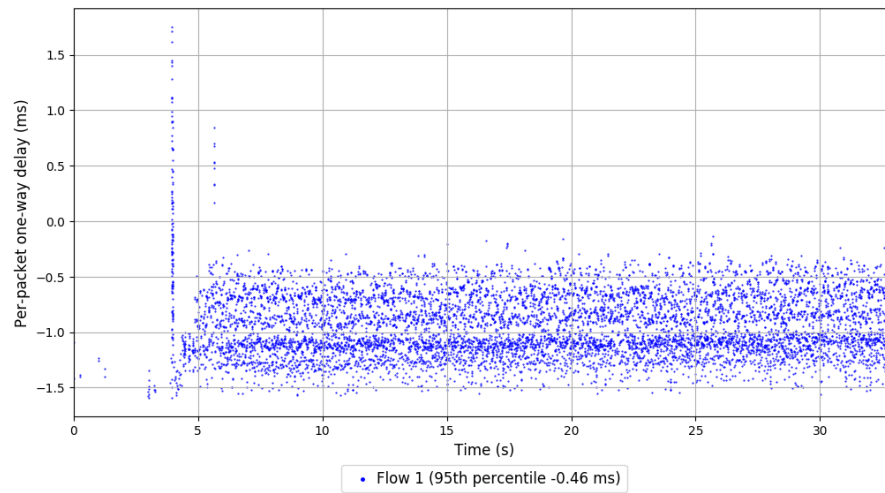
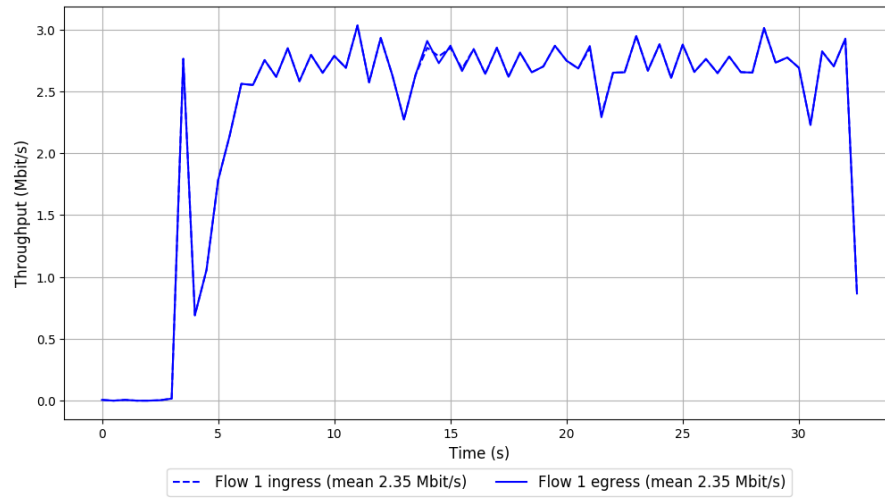


Run 5: Statistics of WebRTC media

Start at: 2018-02-16 03:25:04
End at: 2018-02-16 03:25:34
Local clock offset: -8.591 ms
Remote clock offset: -22.127 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -0.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -0.458 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

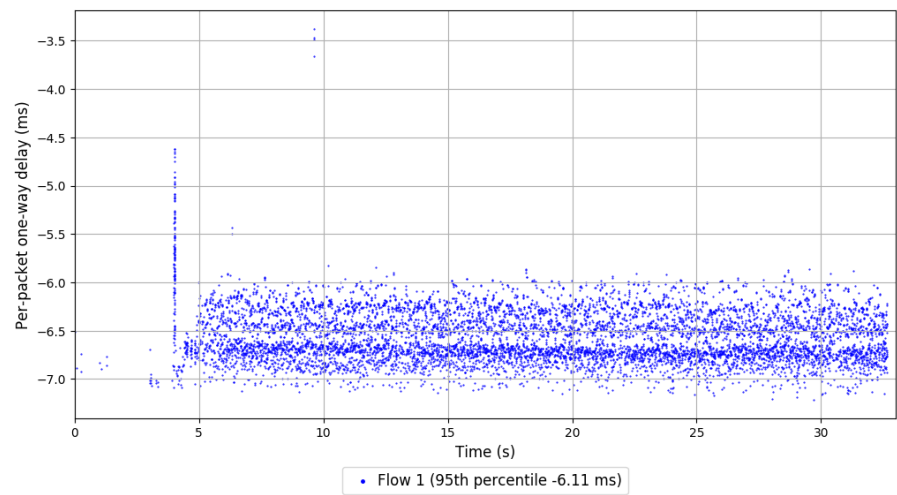
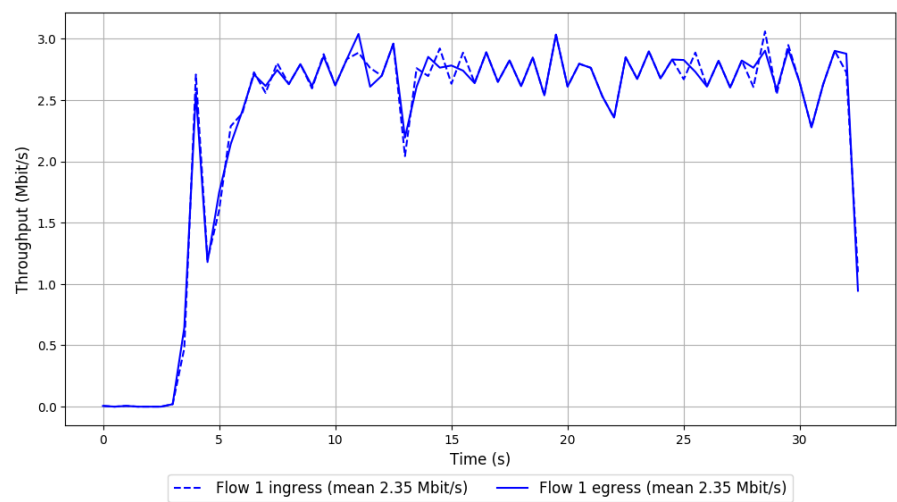


Run 6: Statistics of WebRTC media

Start at: 2018-02-16 03:47:28
End at: 2018-02-16 03:47:58
Local clock offset: -11.394 ms
Remote clock offset: -25.053 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -6.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -6.110 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

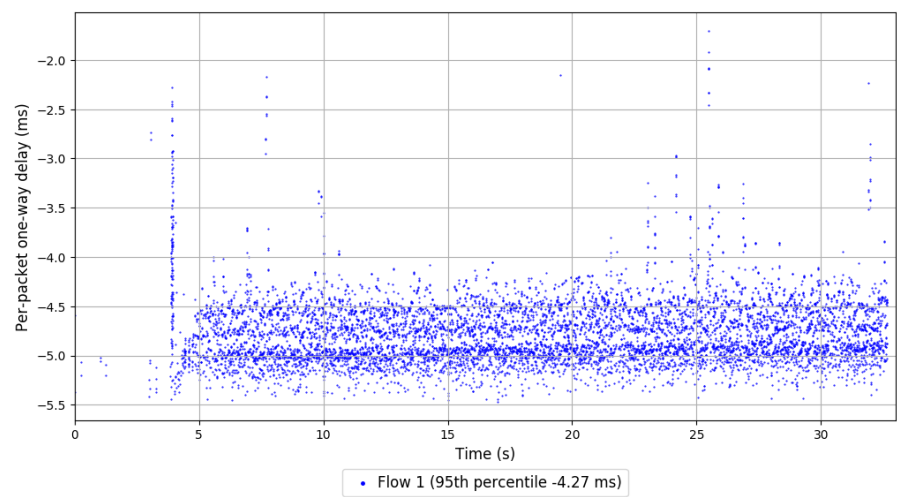
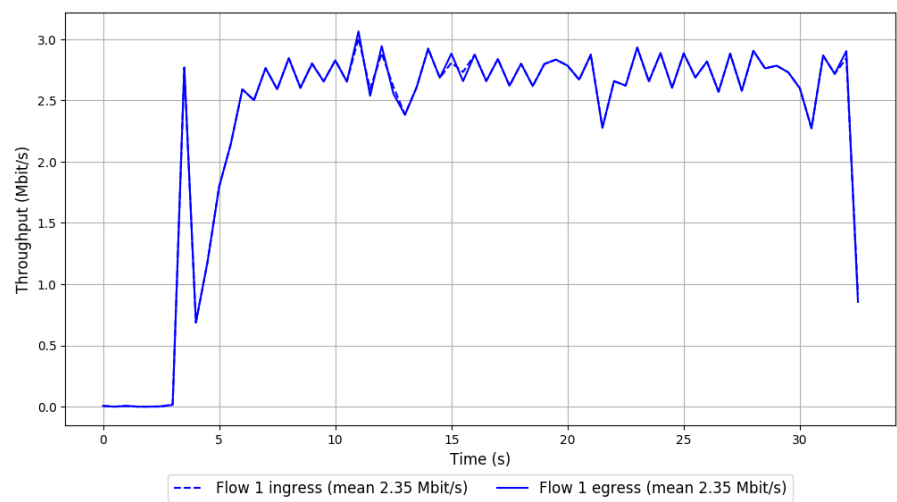


Run 7: Statistics of WebRTC media

Start at: 2018-02-16 04:09:33
End at: 2018-02-16 04:10:03
Local clock offset: -11.826 ms
Remote clock offset: -25.409 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -4.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -4.267 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

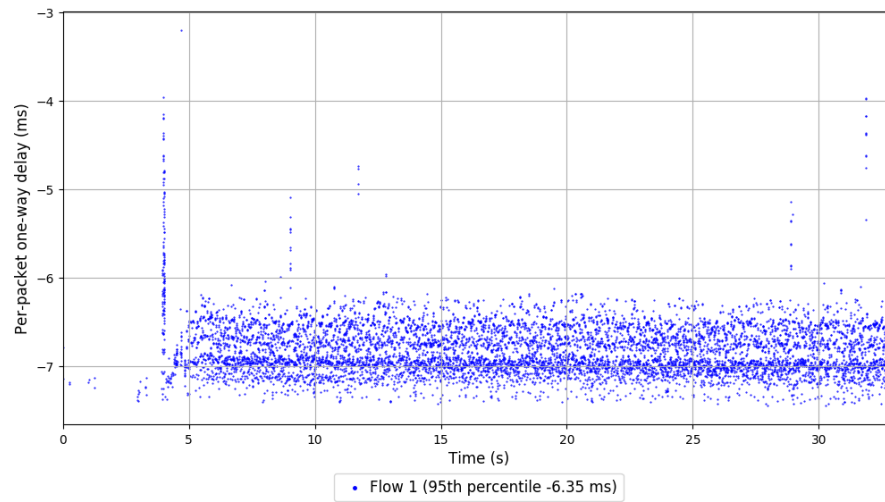
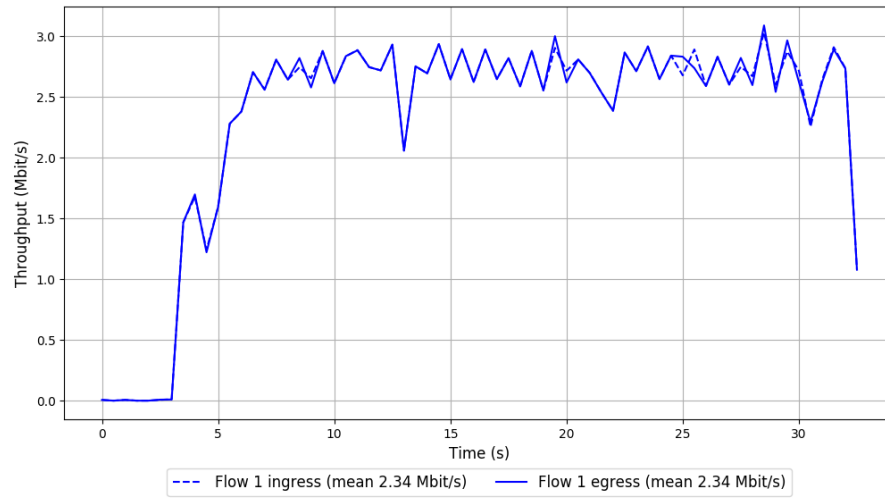


Run 8: Statistics of WebRTC media

Start at: 2018-02-16 04:31:58
End at: 2018-02-16 04:32:28
Local clock offset: -9.73 ms
Remote clock offset: -22.505 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -6.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -6.350 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

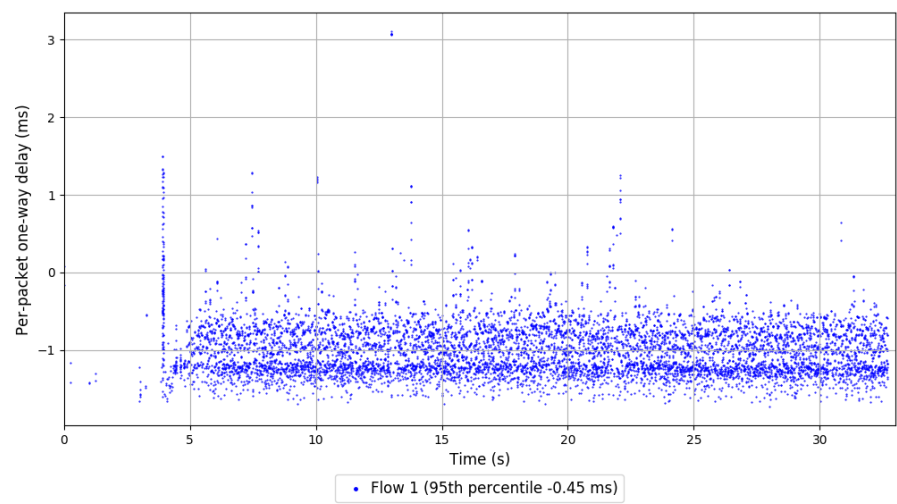
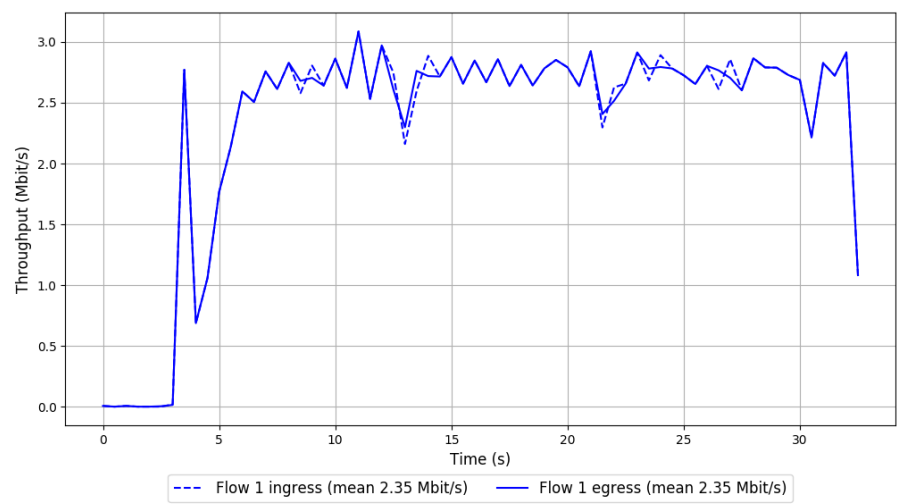


Run 9: Statistics of WebRTC media

Start at: 2018-02-16 04:54:22
End at: 2018-02-16 04:54:52
Local clock offset: -16.092 ms
Remote clock offset: -20.81 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -0.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -0.445 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

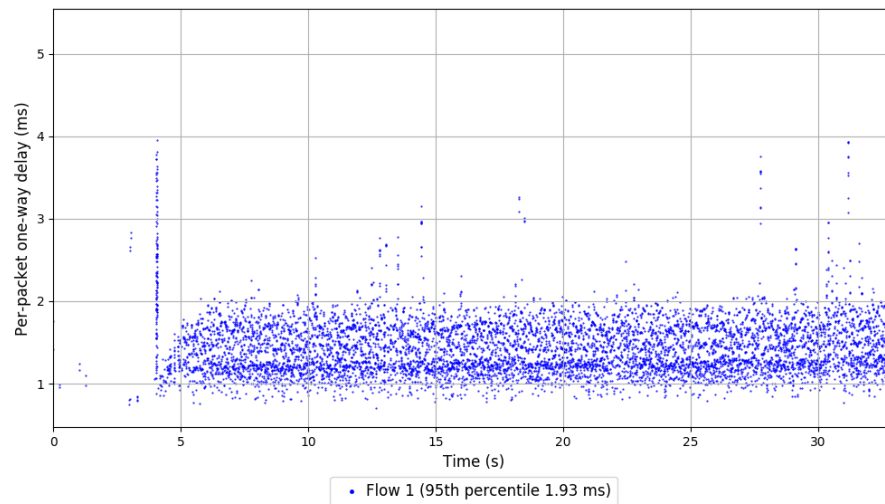
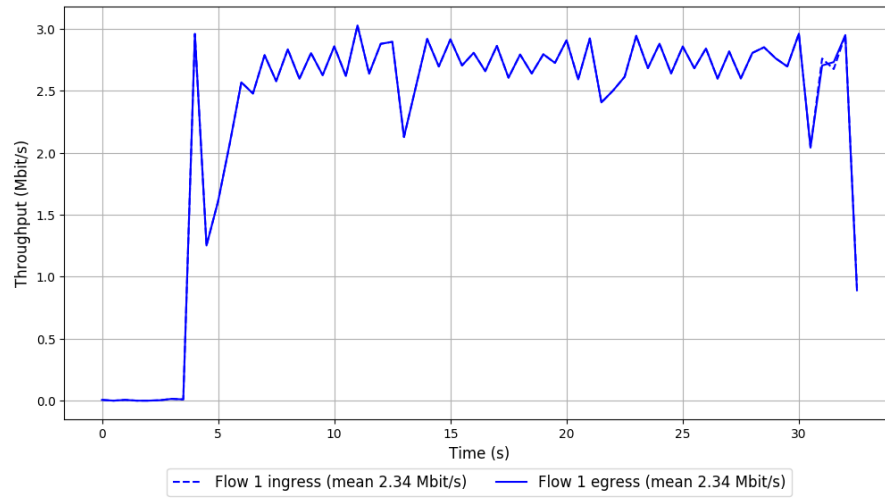


Run 10: Statistics of WebRTC media

Start at: 2018-02-16 05:16:39
End at: 2018-02-16 05:17:09
Local clock offset: -17.364 ms
Remote clock offset: -21.135 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 1.931 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 1.931 ms
Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

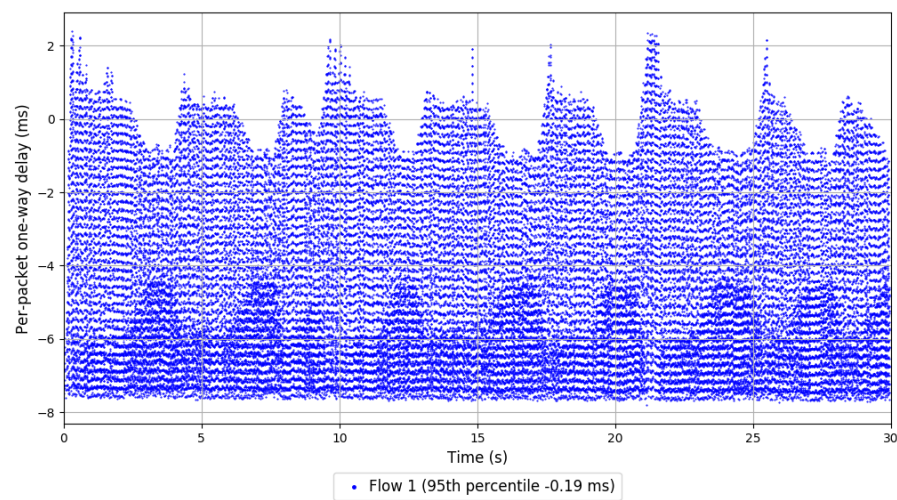
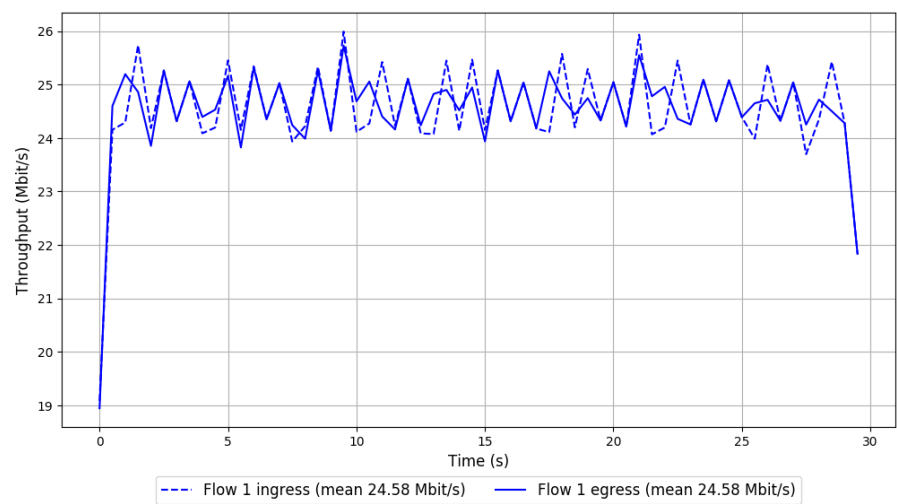


Run 1: Statistics of Sprout

Start at: 2018-02-16 01:59:22
End at: 2018-02-16 01:59:52
Local clock offset: -9.101 ms
Remote clock offset: -19.829 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: -0.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: -0.193 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

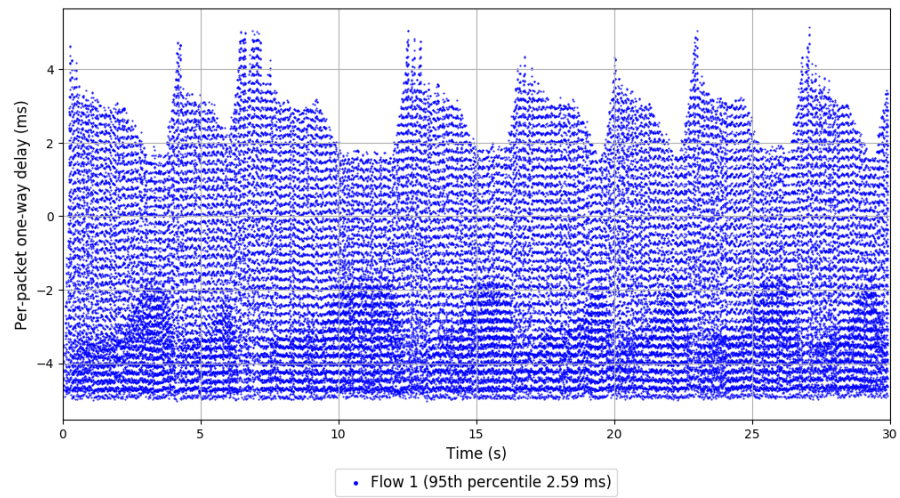
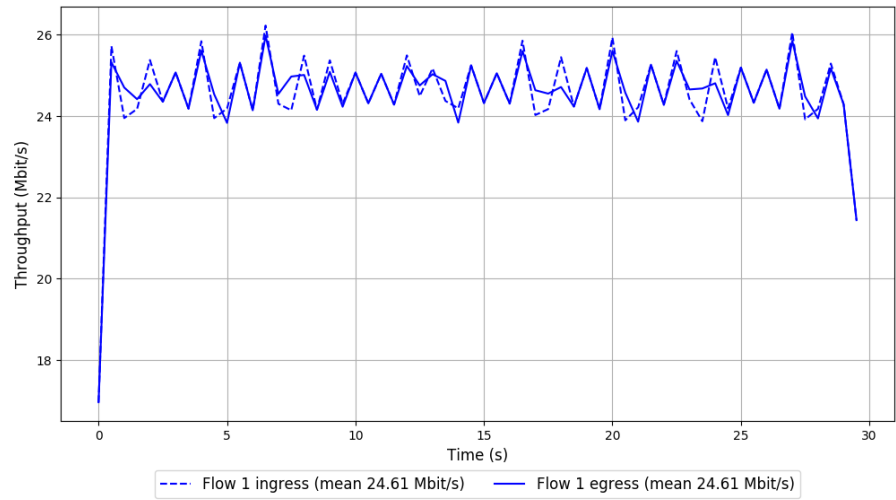


Run 2: Statistics of Sprout

Start at: 2018-02-16 02:20:57
End at: 2018-02-16 02:21:27
Local clock offset: -13.962 ms
Remote clock offset: -18.751 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 2.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 2.588 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

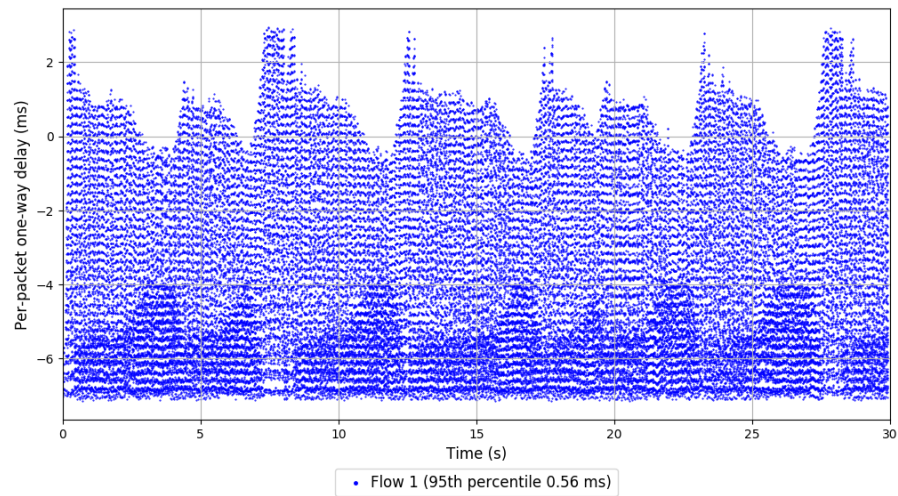
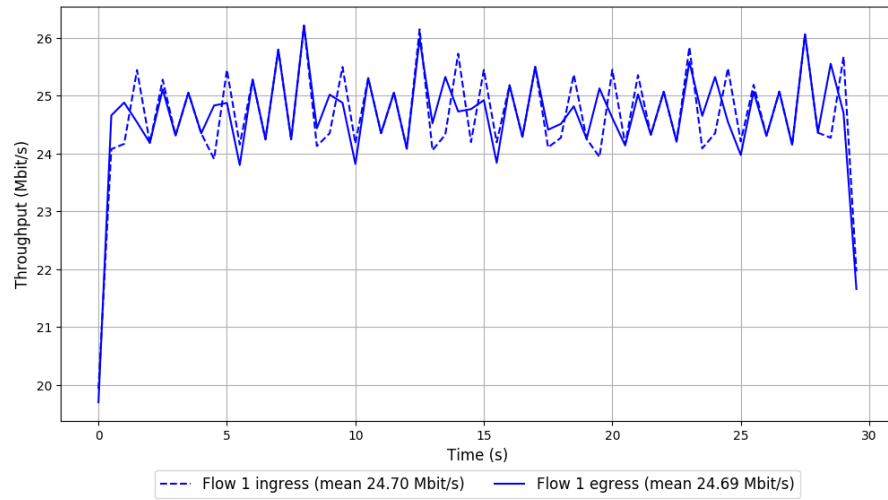


Run 3: Statistics of Sprout

Start at: 2018-02-16 02:42:32
End at: 2018-02-16 02:43:02
Local clock offset: -12.576 ms
Remote clock offset: -18.951 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 0.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 0.563 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

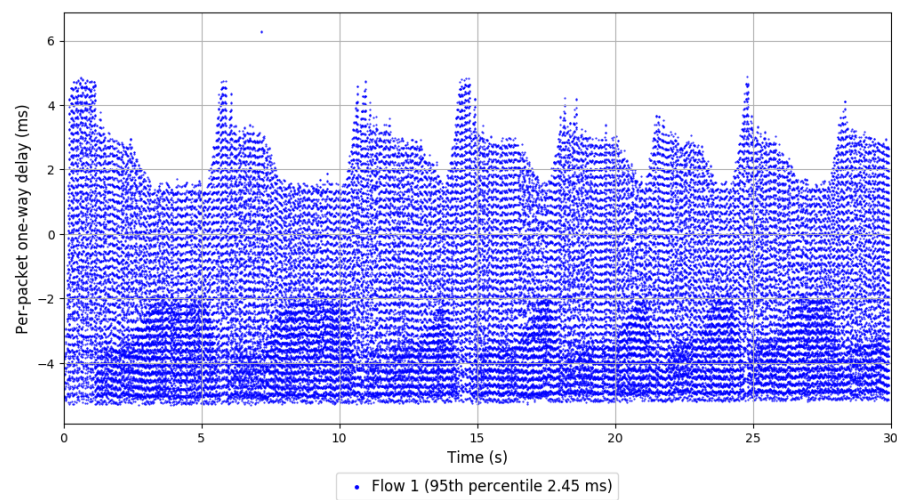
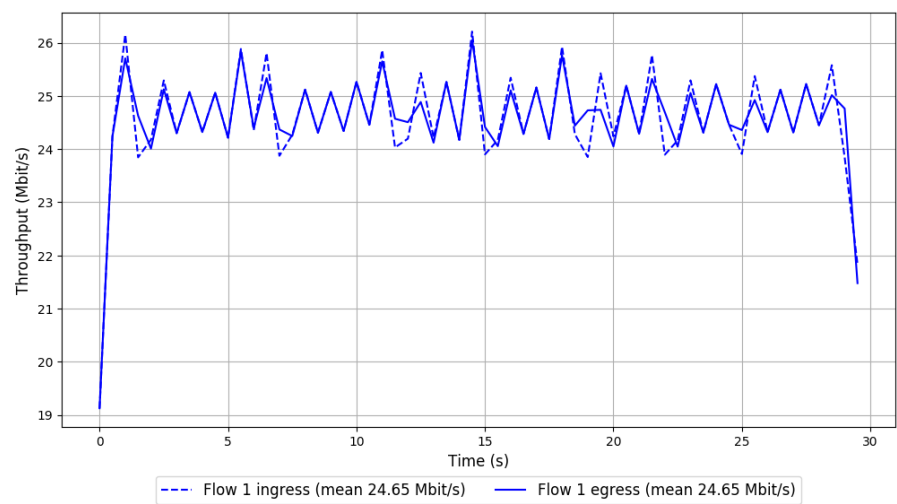


Run 4: Statistics of Sprout

Start at: 2018-02-16 03:04:10
End at: 2018-02-16 03:04:40
Local clock offset: -8.437 ms
Remote clock offset: -19.242 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 2.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 2.452 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

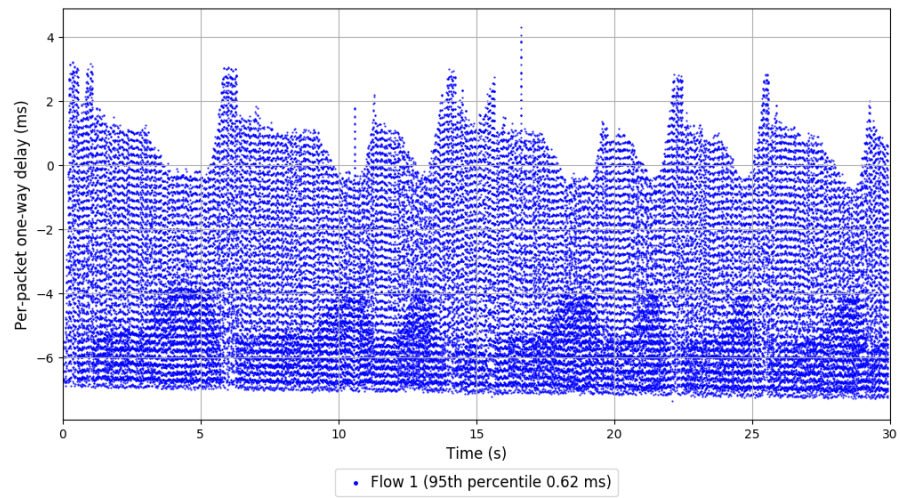
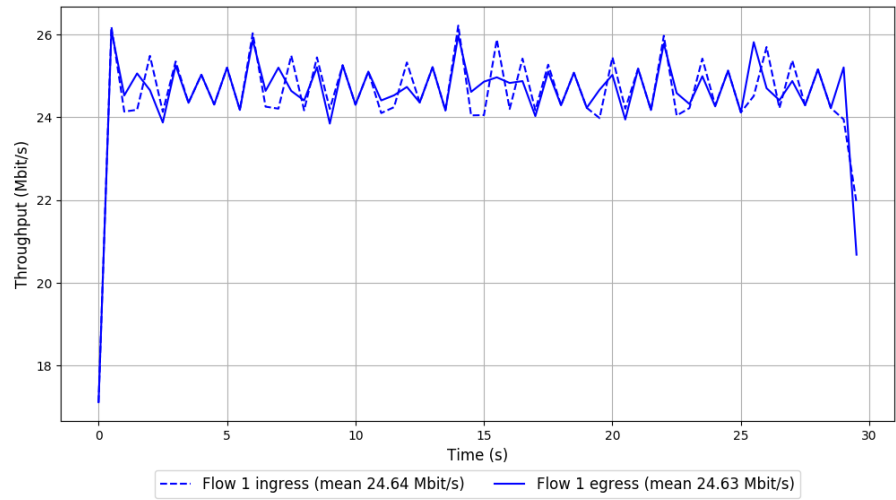


Run 5: Statistics of Sprout

Start at: 2018-02-16 03:26:09
End at: 2018-02-16 03:26:39
Local clock offset: -5.292 ms
Remote clock offset: -24.352 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 0.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 0.621 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

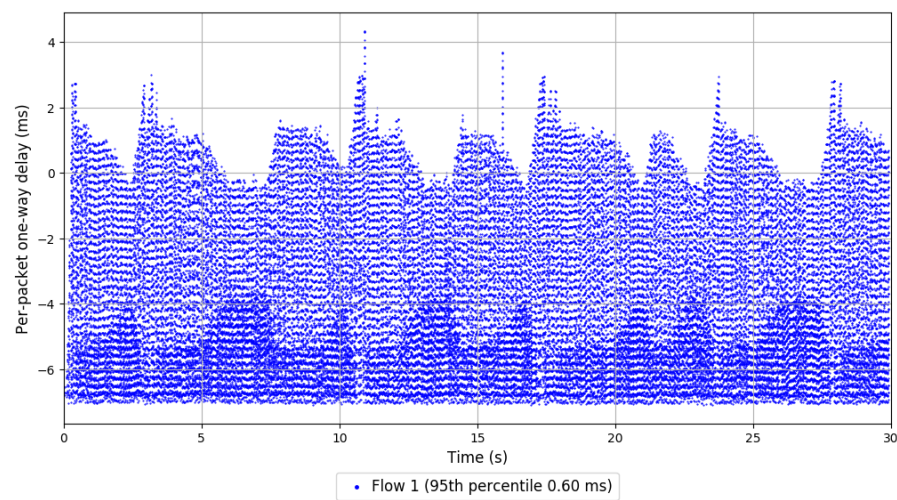
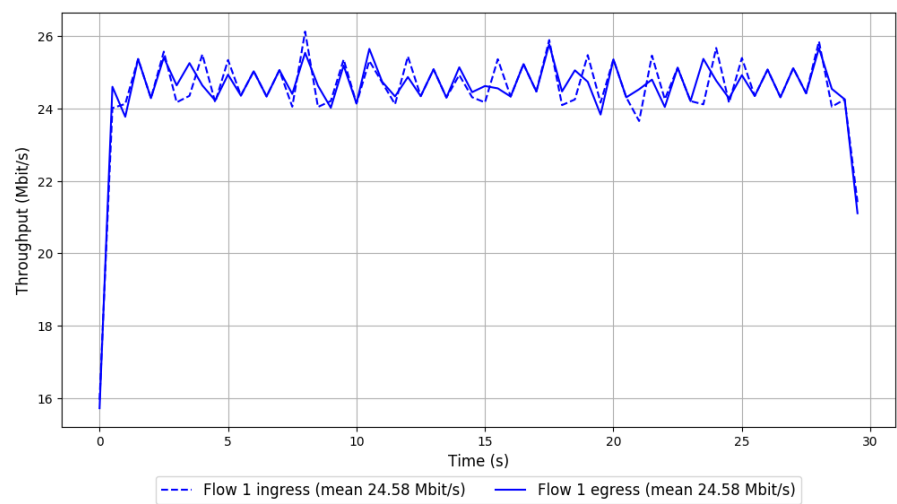


Run 6: Statistics of Sprout

Start at: 2018-02-16 03:48:32
End at: 2018-02-16 03:49:02
Local clock offset: -10.781 ms
Remote clock offset: -24.537 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 0.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 0.597 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

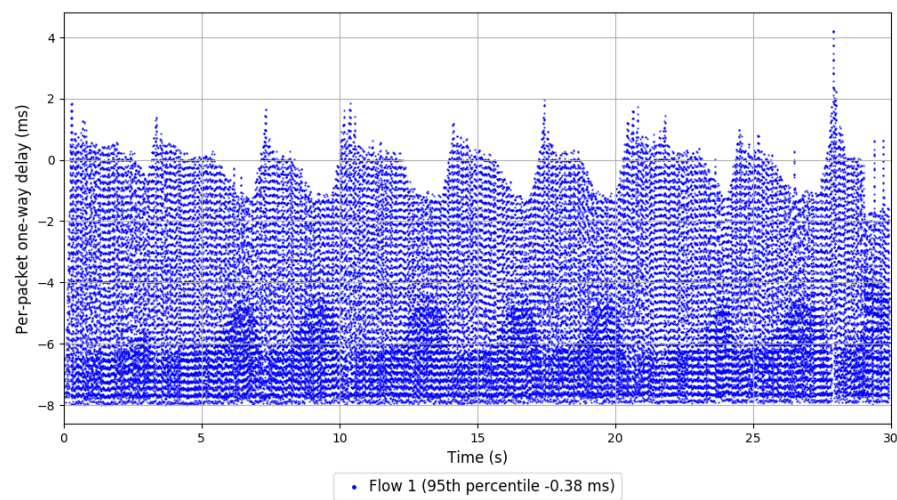
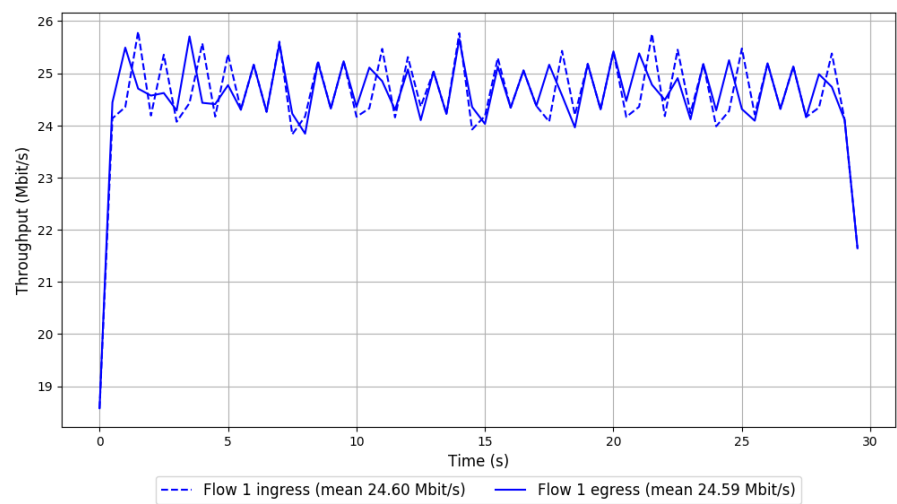


Run 7: Statistics of Sprout

Start at: 2018-02-16 04:10:38
End at: 2018-02-16 04:11:08
Local clock offset: -9.022 ms
Remote clock offset: -25.499 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: -0.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: -0.380 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

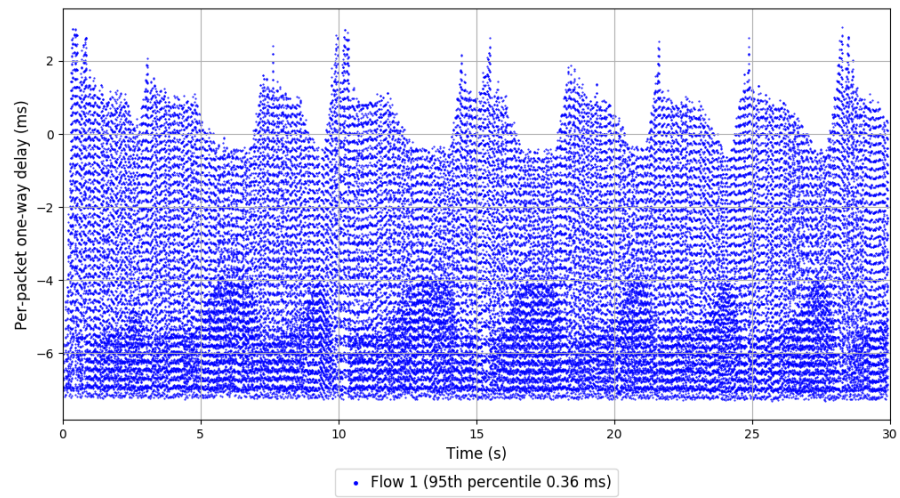
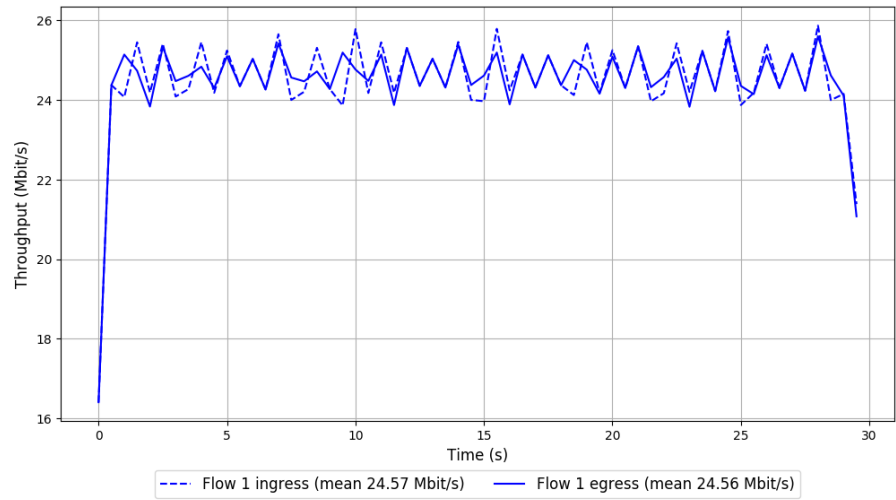


Run 8: Statistics of Sprout

Start at: 2018-02-16 04:33:03
End at: 2018-02-16 04:33:33
Local clock offset: -10.289 ms
Remote clock offset: -23.057 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 0.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 0.361 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

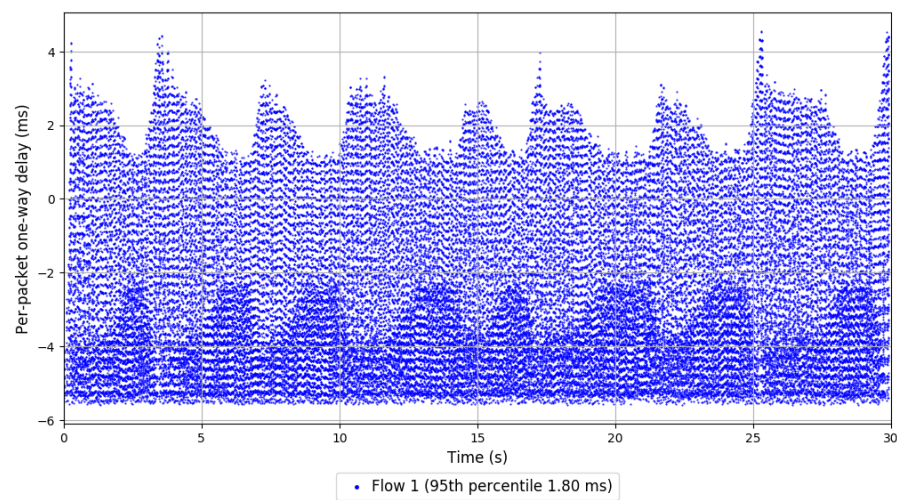
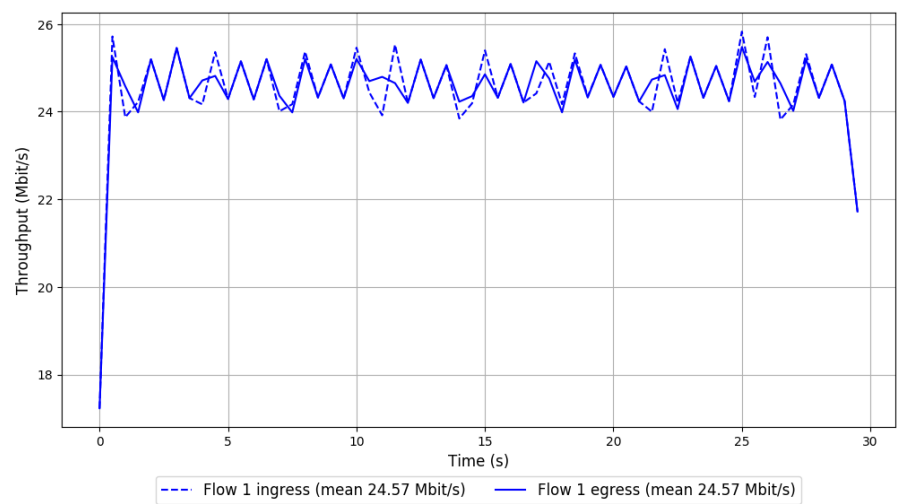


Run 9: Statistics of Sprout

Start at: 2018-02-16 04:55:27
End at: 2018-02-16 04:55:57
Local clock offset: -11.887 ms
Remote clock offset: -20.674 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 1.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 1.802 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

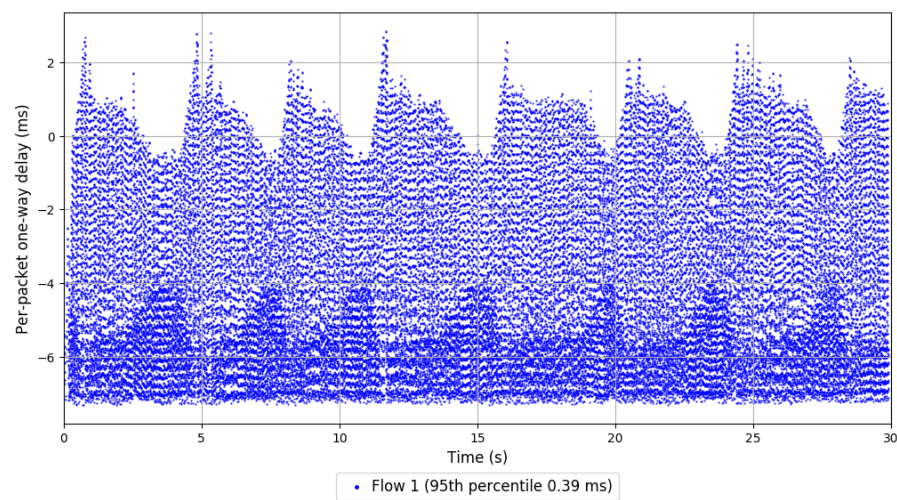
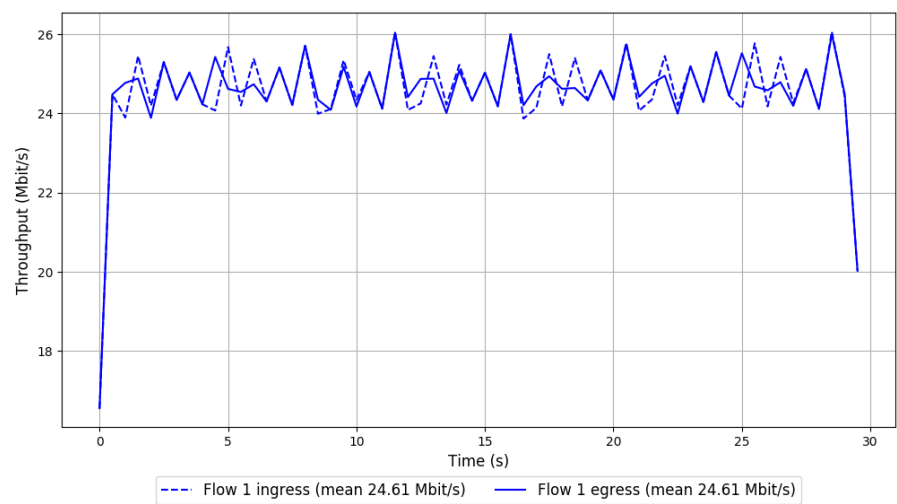


Run 10: Statistics of Sprout

Start at: 2018-02-16 05:17:45
End at: 2018-02-16 05:18:15
Local clock offset: -10.79 ms
Remote clock offset: -22.949 ms

Below is generated by plot.py at 2018-02-16 06:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 0.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 0.385 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

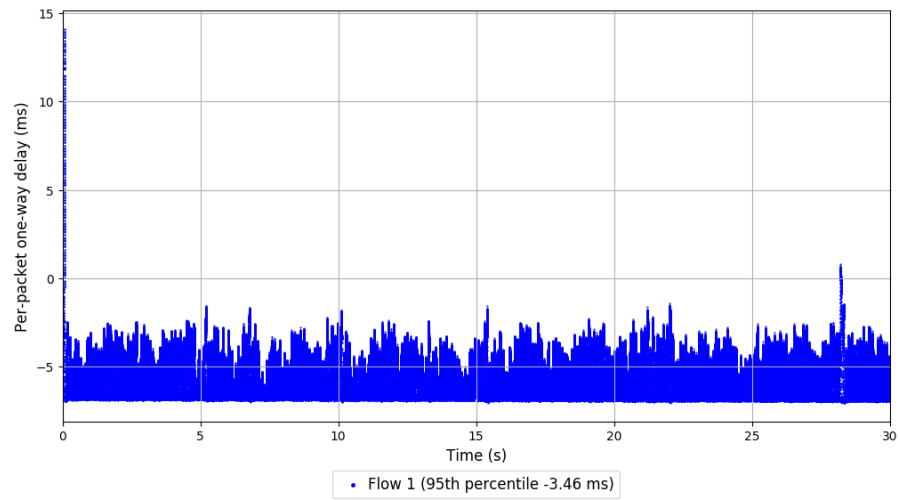
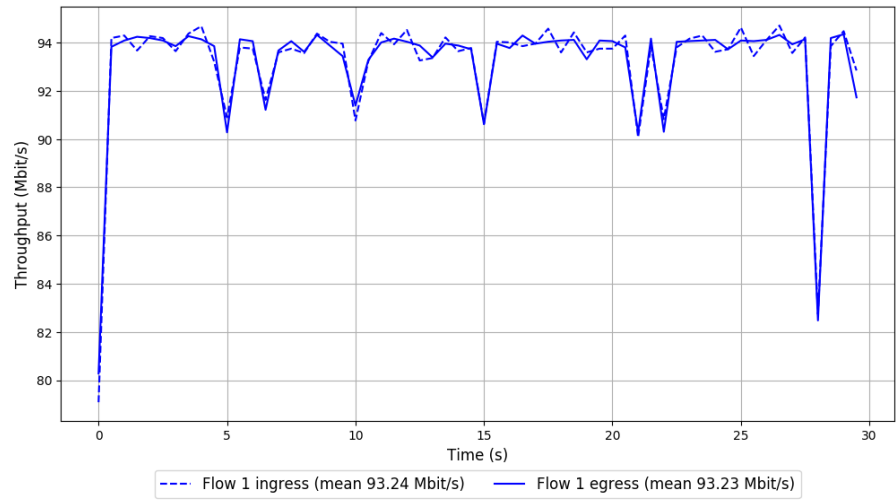


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 01:54:21
End at: 2018-02-16 01:54:51
Local clock offset: -11.159 ms
Remote clock offset: -22.037 ms

# Below is generated by plot.py at 2018-02-16 06:07:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: -3.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: -3.456 ms
Loss rate: 0.00%
```

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

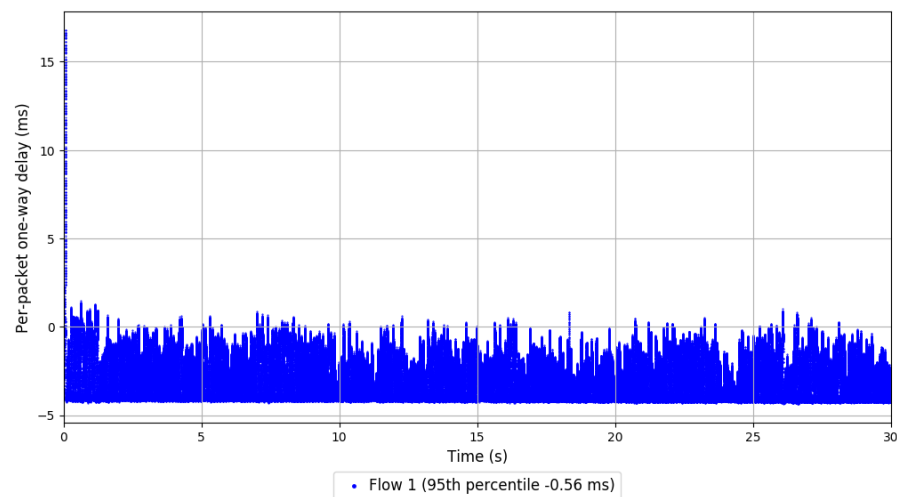
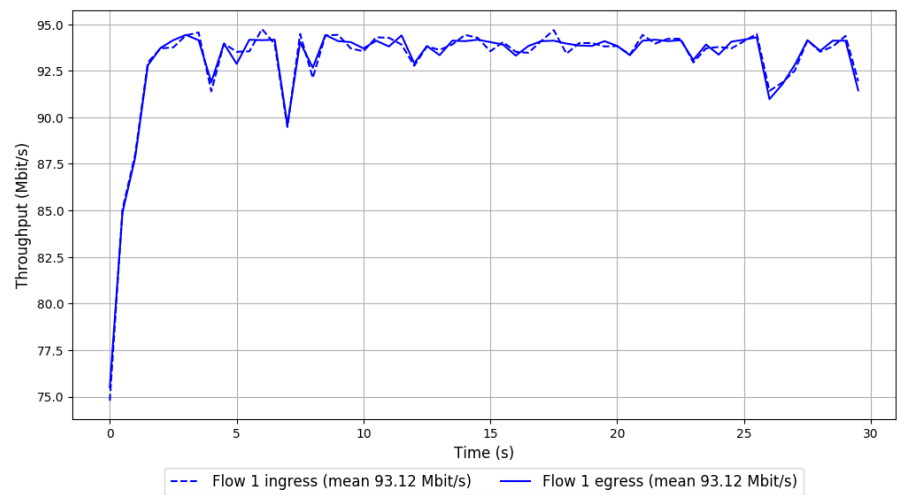


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 02:16:14
End at: 2018-02-16 02:16:44
Local clock offset: -14.592 ms
Remote clock offset: -18.786 ms

Below is generated by plot.py at 2018-02-16 06:07:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: -0.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: -0.555 ms
Loss rate: 0.00%

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

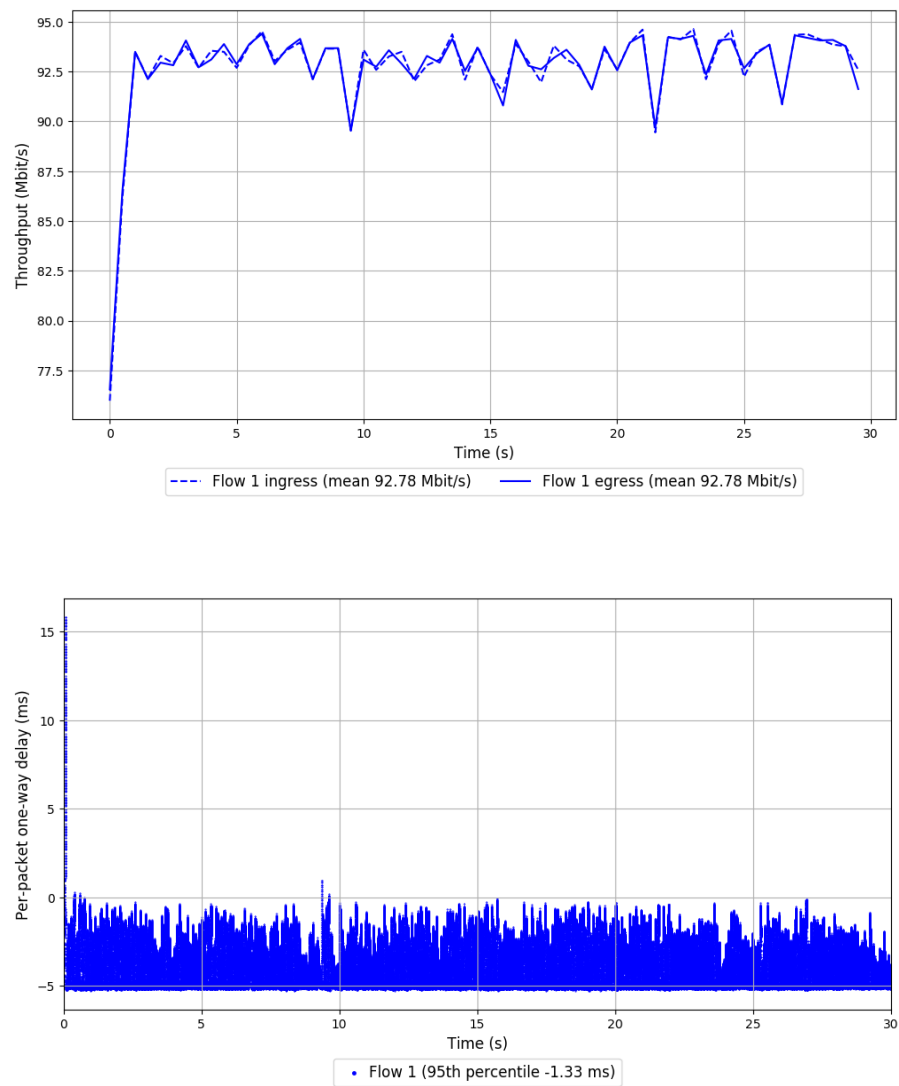


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 02:37:49
End at: 2018-02-16 02:38:19
Local clock offset: -14.832 ms
Remote clock offset: -19.162 ms

Below is generated by plot.py at 2018-02-16 06:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: -1.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: -1.335 ms
Loss rate: 0.00%

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

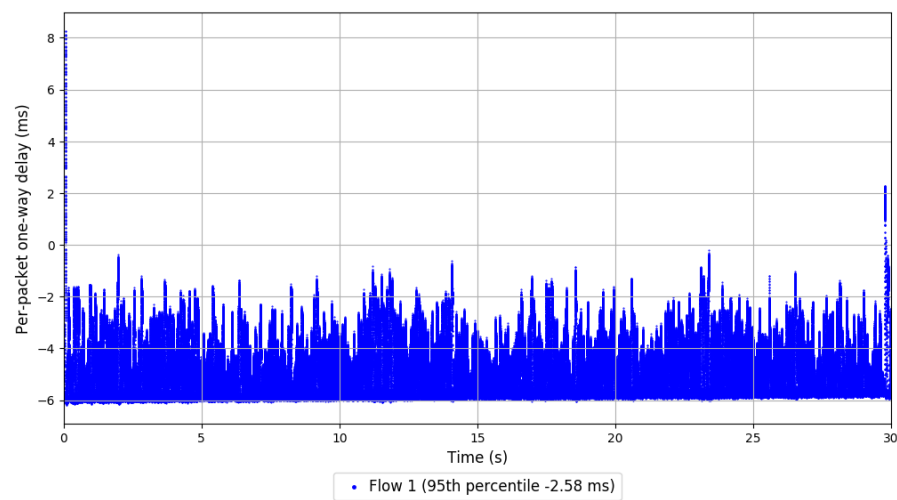
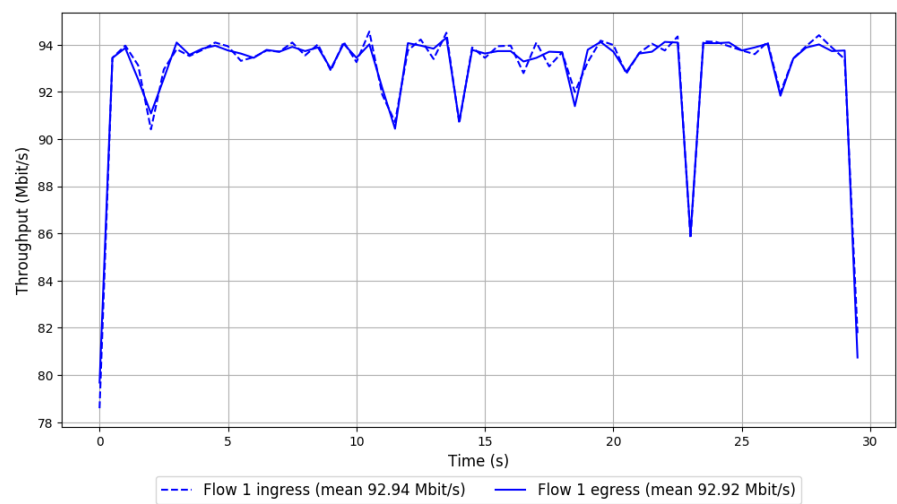


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 02:59:18
End at: 2018-02-16 02:59:48
Local clock offset: -10.196 ms
Remote clock offset: -20.348 ms

Below is generated by plot.py at 2018-02-16 06:07:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: -2.576 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: -2.576 ms
Loss rate: 0.01%

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

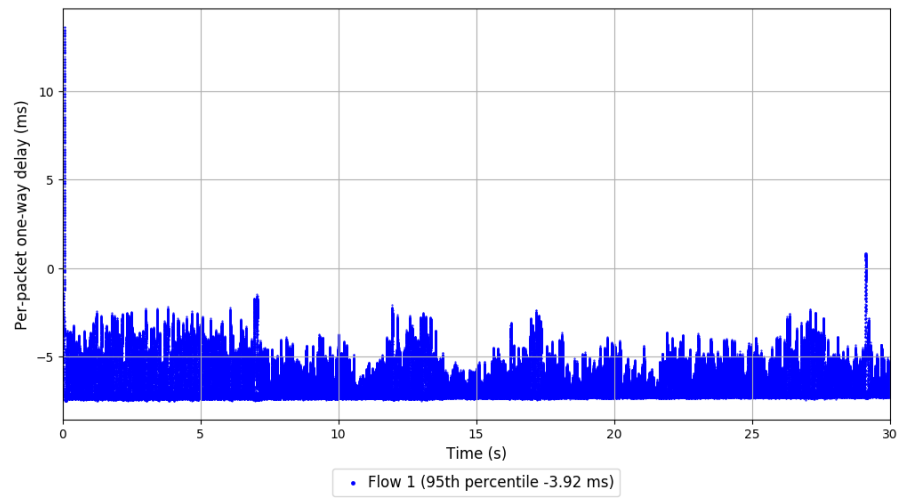
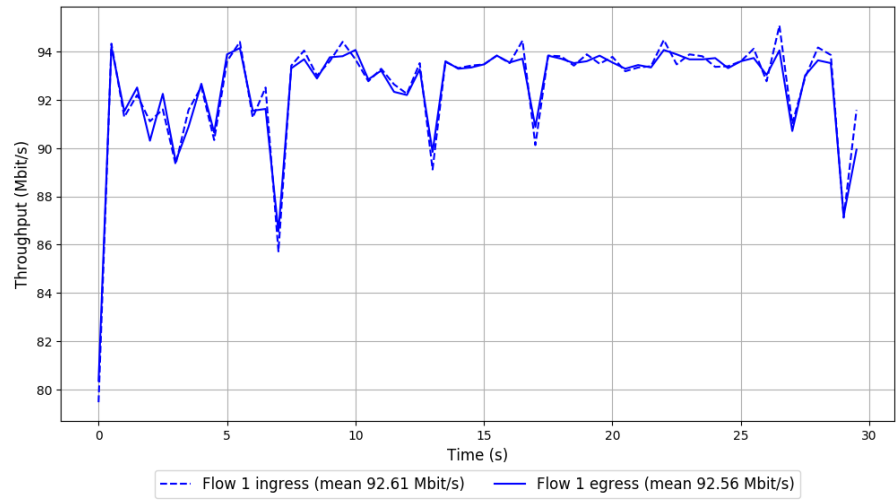


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 03:21:15
End at: 2018-02-16 03:21:45
Local clock offset: -4.135 ms
Remote clock offset: -23.002 ms

Below is generated by plot.py at 2018-02-16 06:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: -3.915 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: -3.915 ms
Loss rate: 0.06%

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

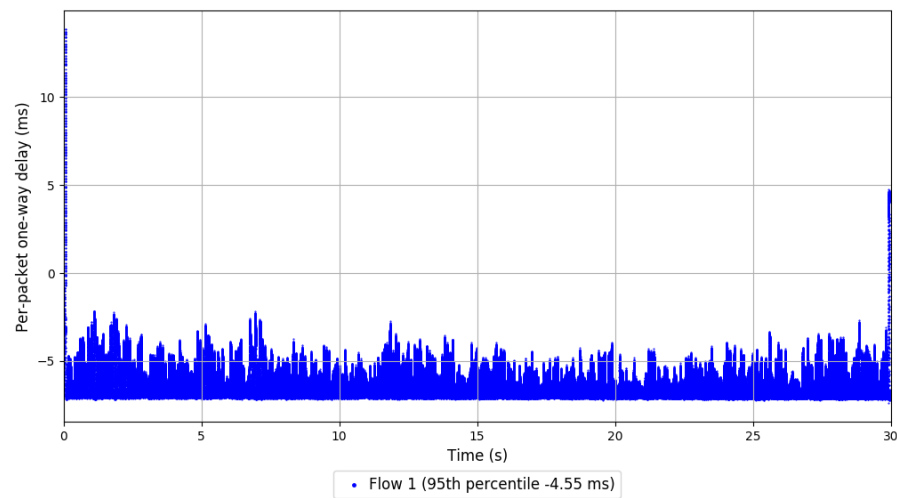
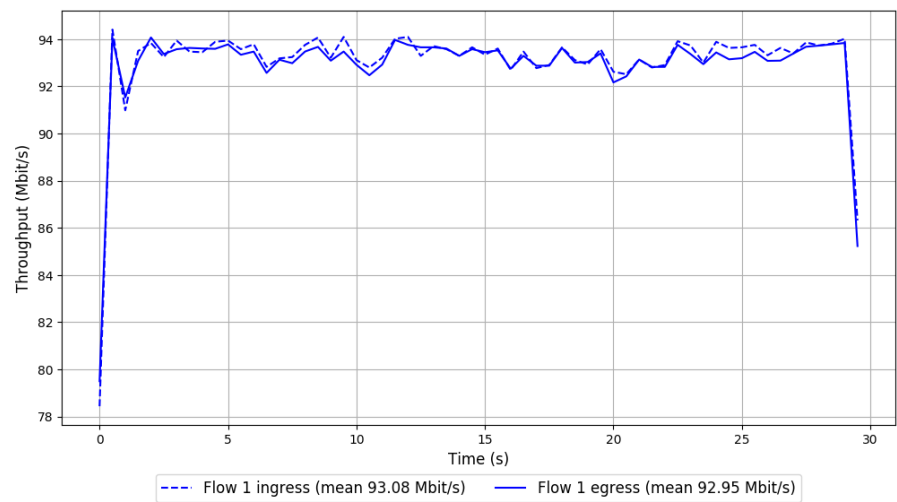


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 03:43:35
End at: 2018-02-16 03:44:05
Local clock offset: -8.764 ms
Remote clock offset: -23.198 ms

Below is generated by plot.py at 2018-02-16 06:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: -4.552 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: -4.552 ms
Loss rate: 0.15%

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

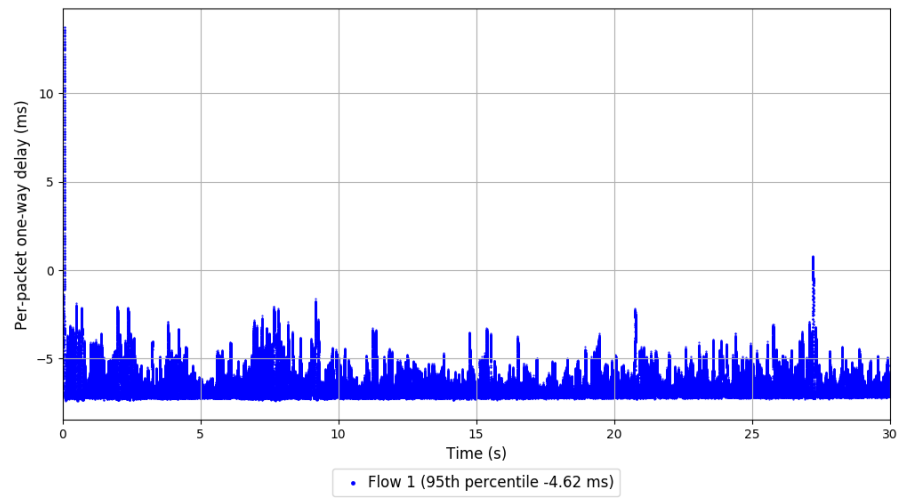
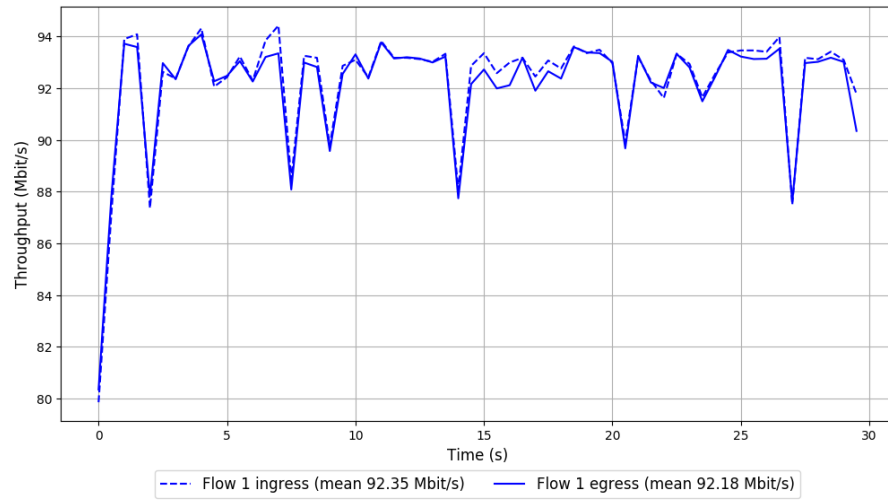


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 04:05:40
End at: 2018-02-16 04:06:10
Local clock offset: -10.004 ms
Remote clock offset: -25.086 ms

Below is generated by plot.py at 2018-02-16 06:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: -4.624 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: -4.624 ms
Loss rate: 0.18%

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

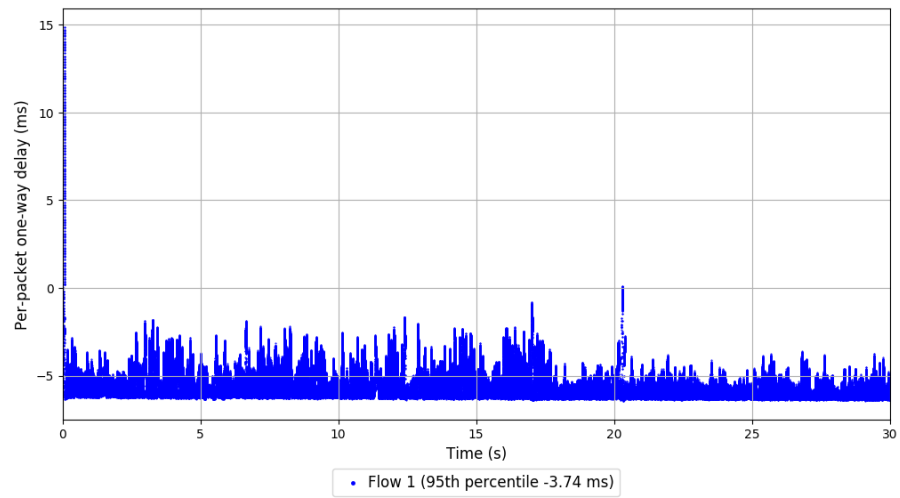
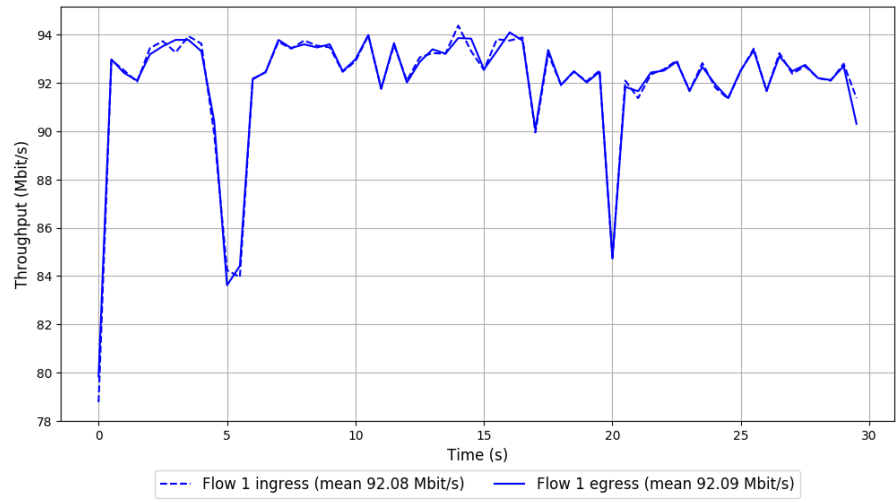


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 04:28:03
End at: 2018-02-16 04:28:33
Local clock offset: -11.96 ms
Remote clock offset: -24.813 ms

Below is generated by plot.py at 2018-02-16 06:07:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: -3.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: -3.744 ms
Loss rate: 0.00%

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

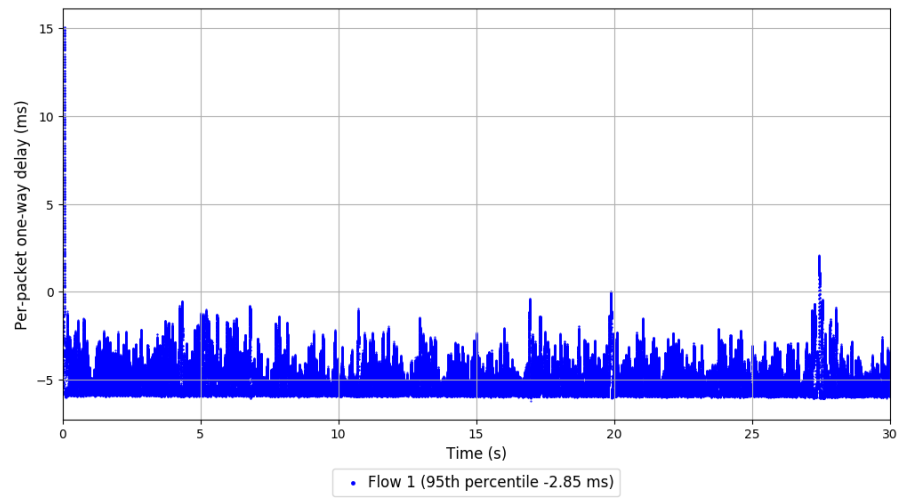
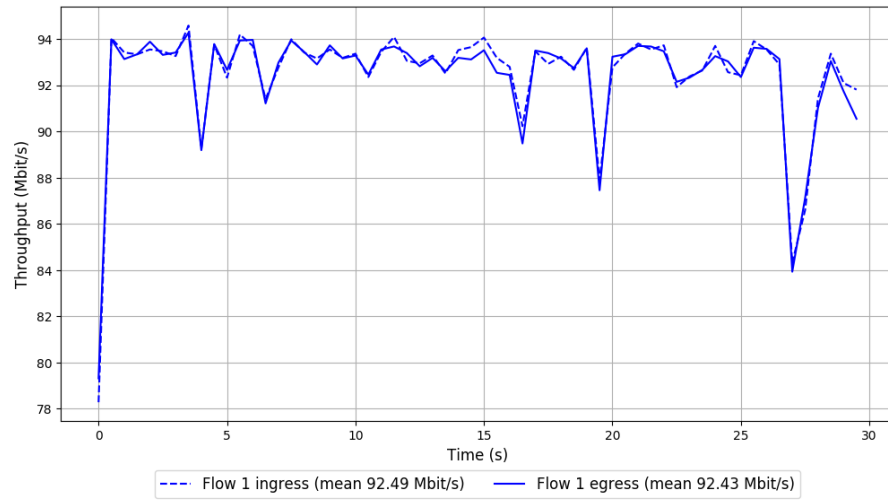


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 04:50:33
End at: 2018-02-16 04:51:03
Local clock offset: -12.755 ms
Remote clock offset: -22.479 ms

Below is generated by plot.py at 2018-02-16 06:09:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: -2.850 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: -2.850 ms
Loss rate: 0.08%

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

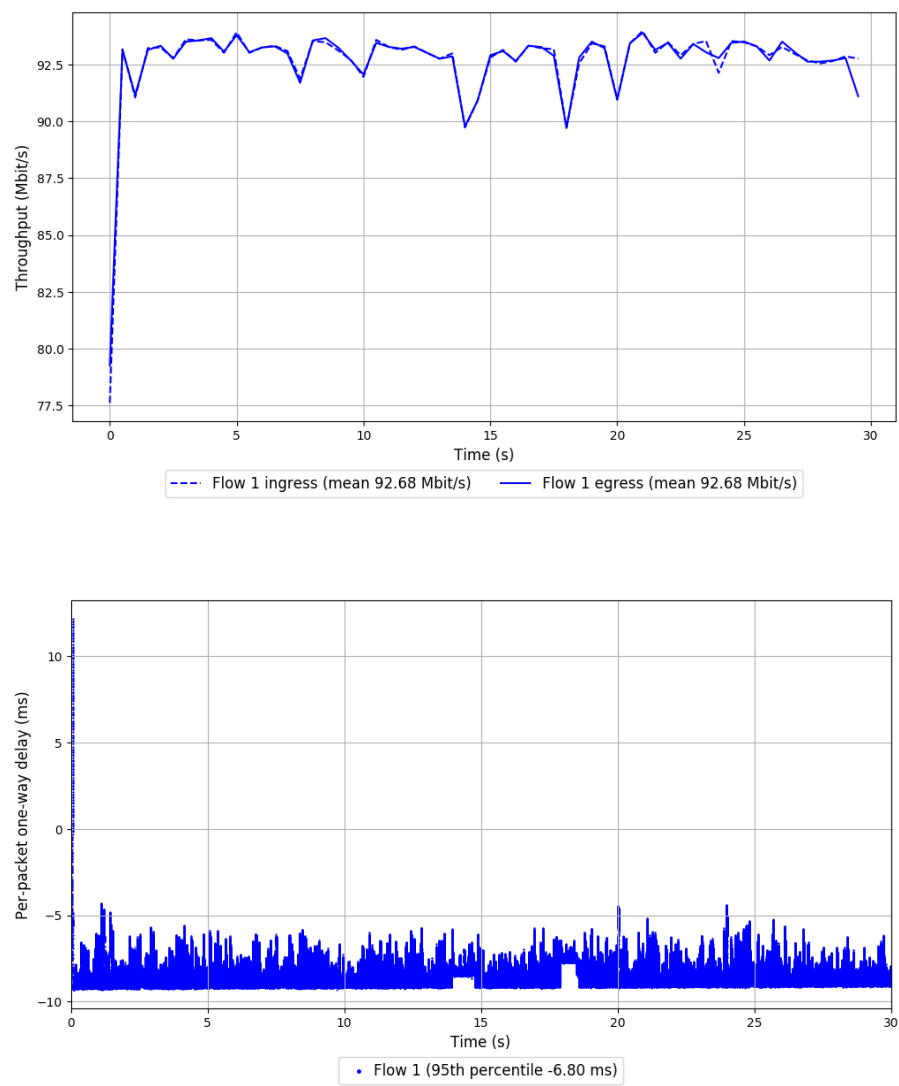


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 05:12:52
End at: 2018-02-16 05:13:22
Local clock offset: -8.893 ms
Remote clock offset: -22.222 ms

Below is generated by plot.py at 2018-02-16 06:09:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: -6.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: -6.799 ms
Loss rate: 0.00%

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

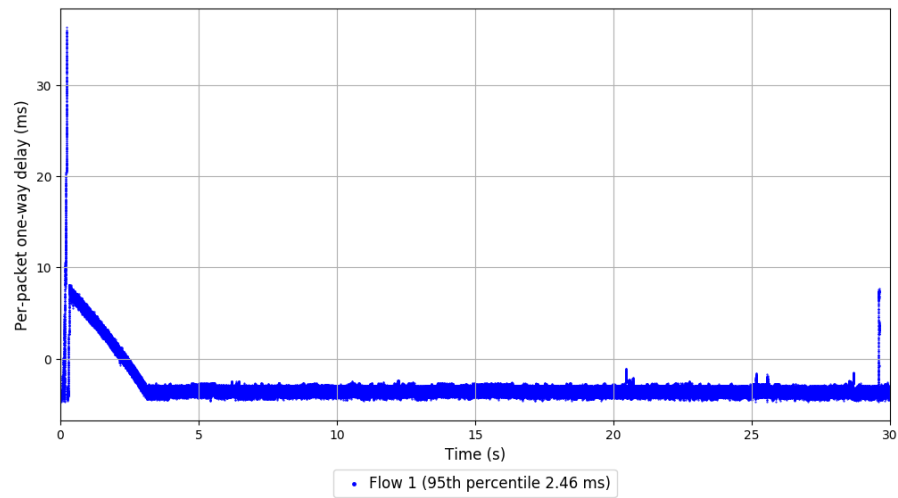
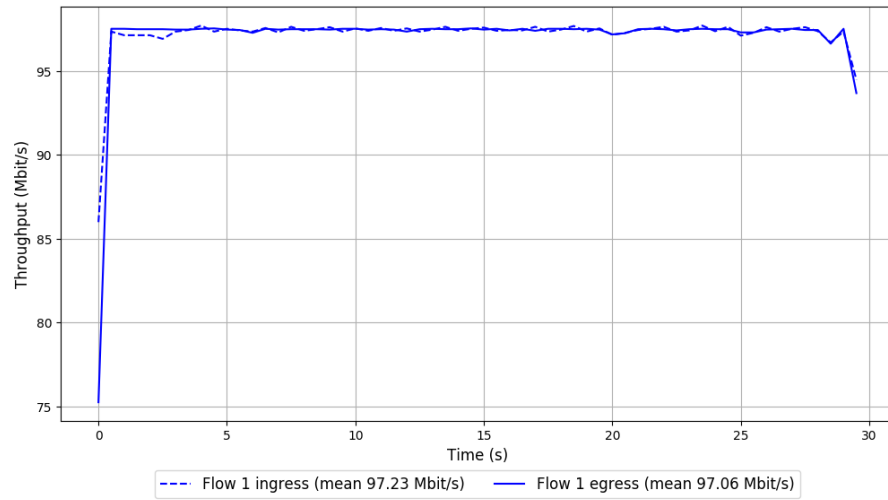


Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 01:57:03
End at: 2018-02-16 01:57:33
Local clock offset: -12.017 ms
Remote clock offset: -20.188 ms

Below is generated by plot.py at 2018-02-16 06:09:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 2.455 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 2.455 ms
Loss rate: 0.16%

Run 1: Report of TCP Vegas — Data Link

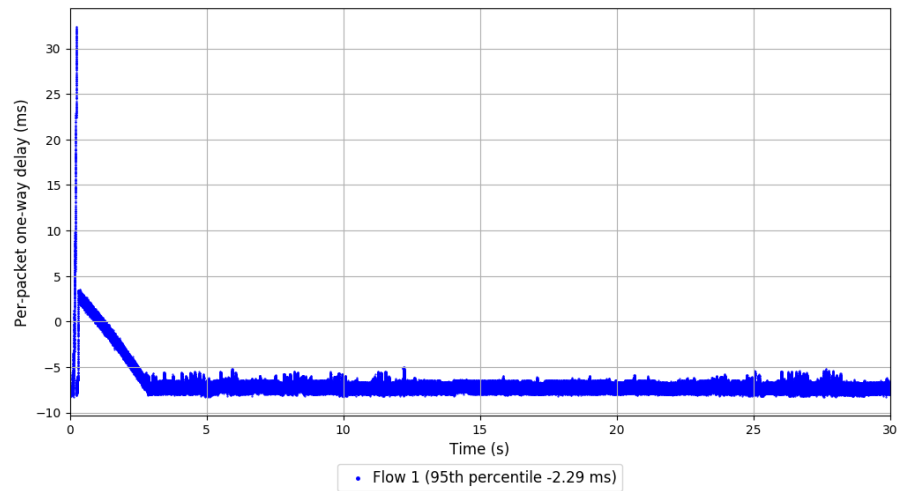
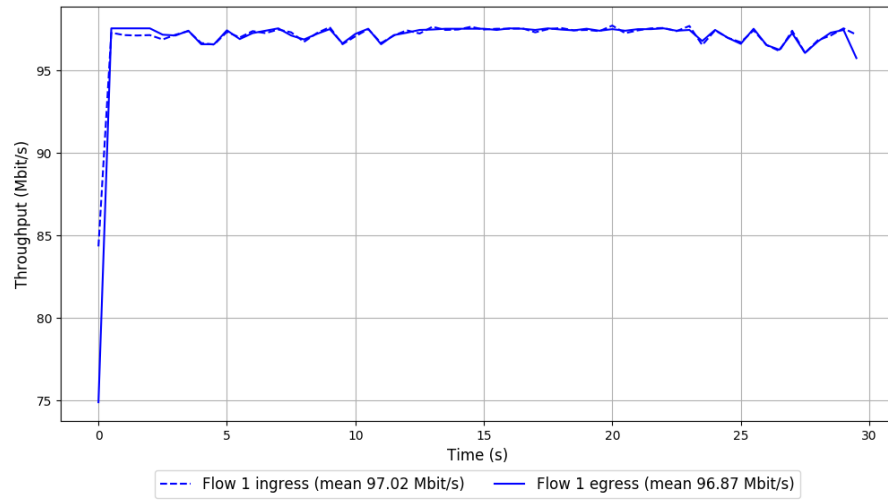


Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 02:18:41
End at: 2018-02-16 02:19:11
Local clock offset: -11.696 ms
Remote clock offset: -19.676 ms

Below is generated by plot.py at 2018-02-16 06:09:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: -2.289 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: -2.289 ms
Loss rate: 0.16%

Run 2: Report of TCP Vegas — Data Link

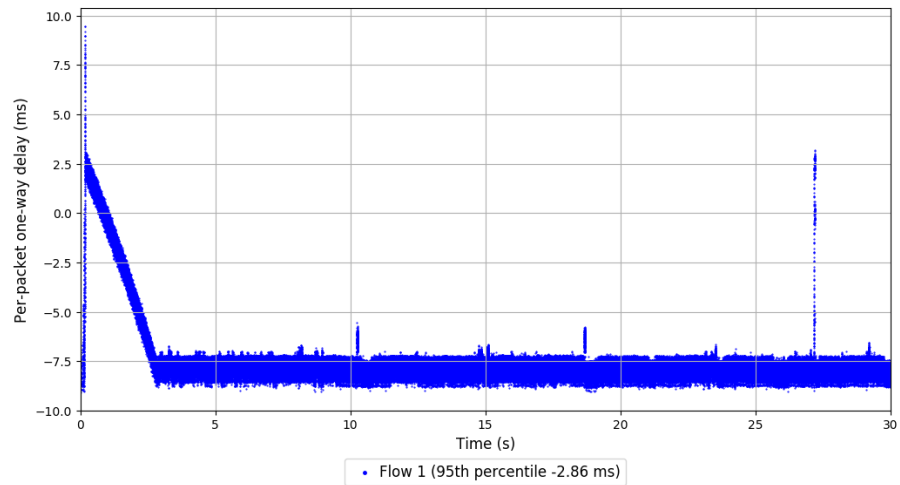
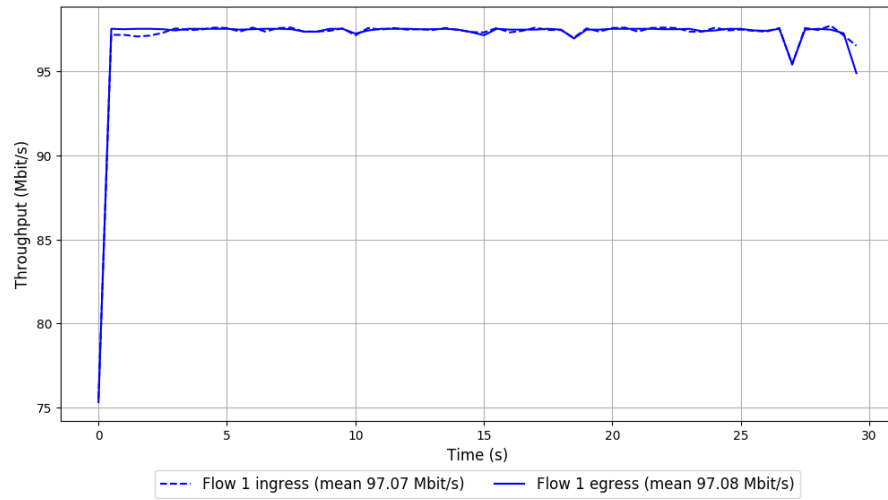


Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 02:40:16
End at: 2018-02-16 02:40:47
Local clock offset: -11.711 ms
Remote clock offset: -19.92 ms

Below is generated by plot.py at 2018-02-16 06:09:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: -2.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: -2.859 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

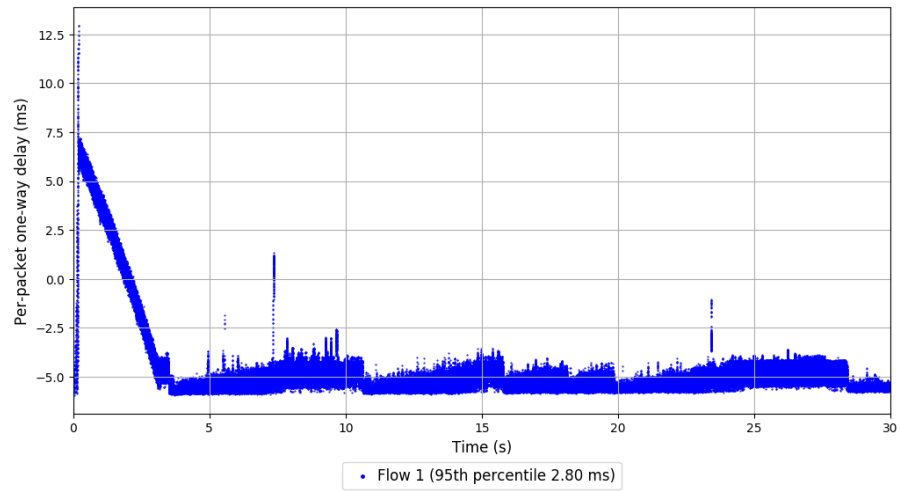
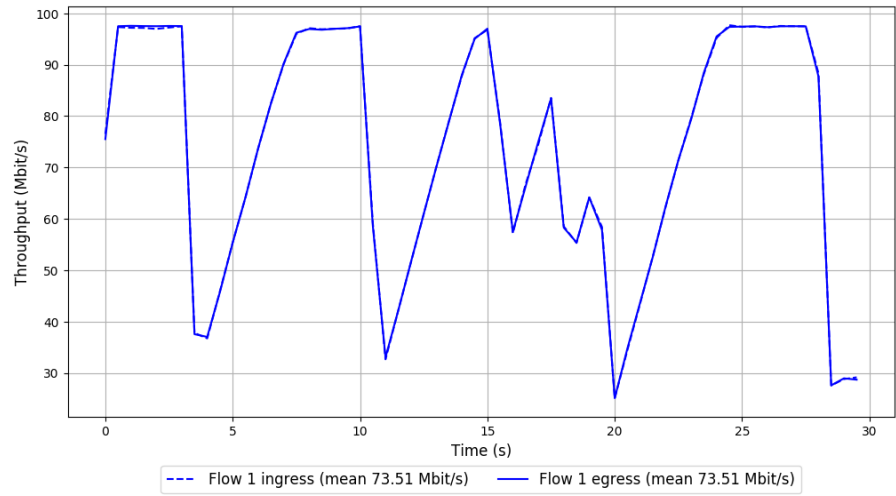


Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 03:01:50
End at: 2018-02-16 03:02:21
Local clock offset: -7.318 ms
Remote clock offset: -18.05 ms

Below is generated by plot.py at 2018-02-16 06:09:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.51 Mbit/s
95th percentile per-packet one-way delay: 2.804 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.51 Mbit/s
95th percentile per-packet one-way delay: 2.804 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

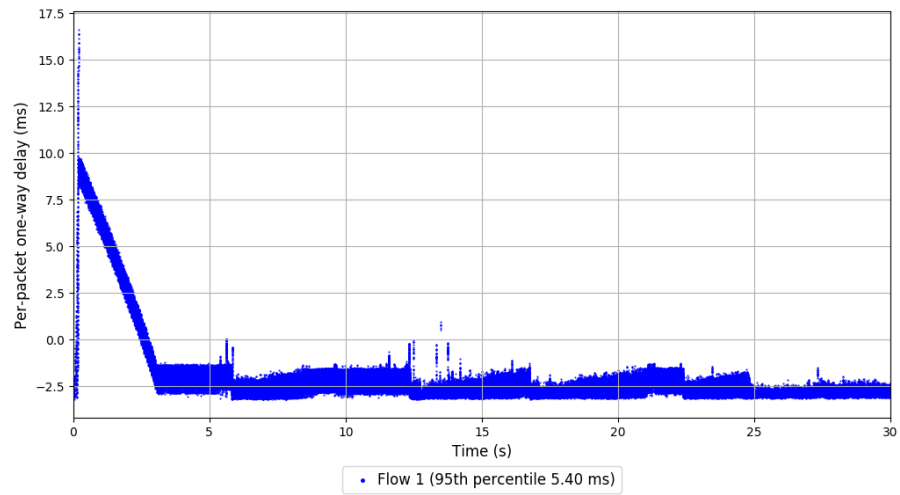
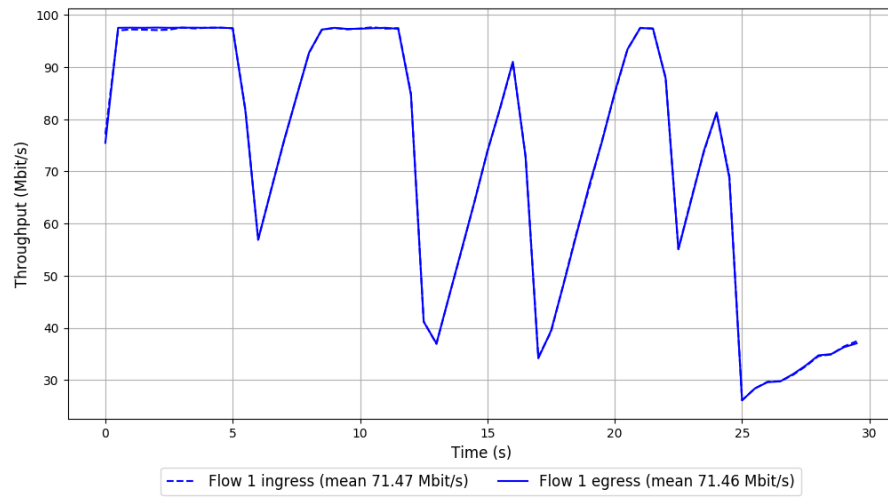


Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 03:23:52
End at: 2018-02-16 03:24:22
Local clock offset: -6.972 ms
Remote clock offset: -22.131 ms

Below is generated by plot.py at 2018-02-16 06:09:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.46 Mbit/s
95th percentile per-packet one-way delay: 5.402 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.46 Mbit/s
95th percentile per-packet one-way delay: 5.402 ms
Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

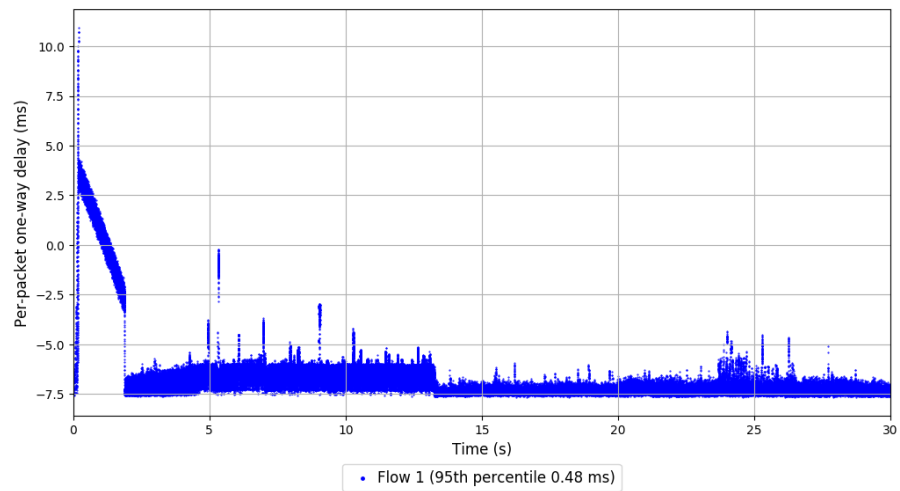
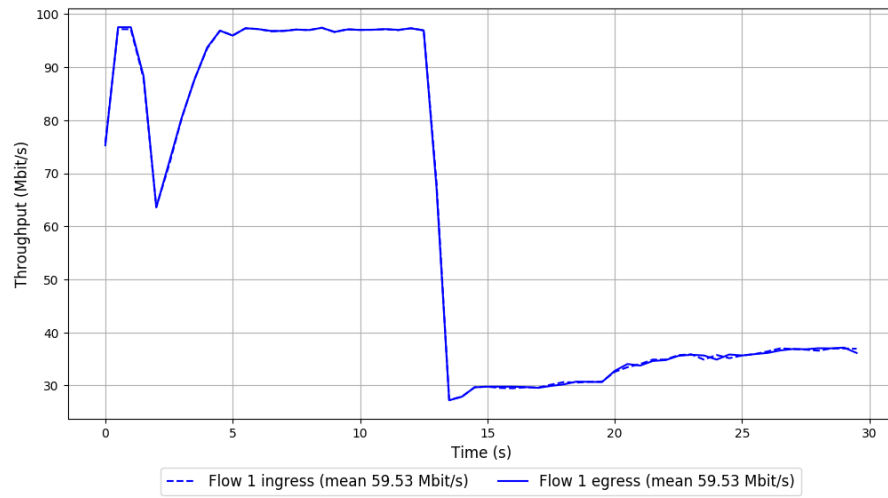


Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 03:46:16
End at: 2018-02-16 03:46:46
Local clock offset: -10.876 ms
Remote clock offset: -25.379 ms

Below is generated by plot.py at 2018-02-16 06:09:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.53 Mbit/s
95th percentile per-packet one-way delay: 0.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.53 Mbit/s
95th percentile per-packet one-way delay: 0.476 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

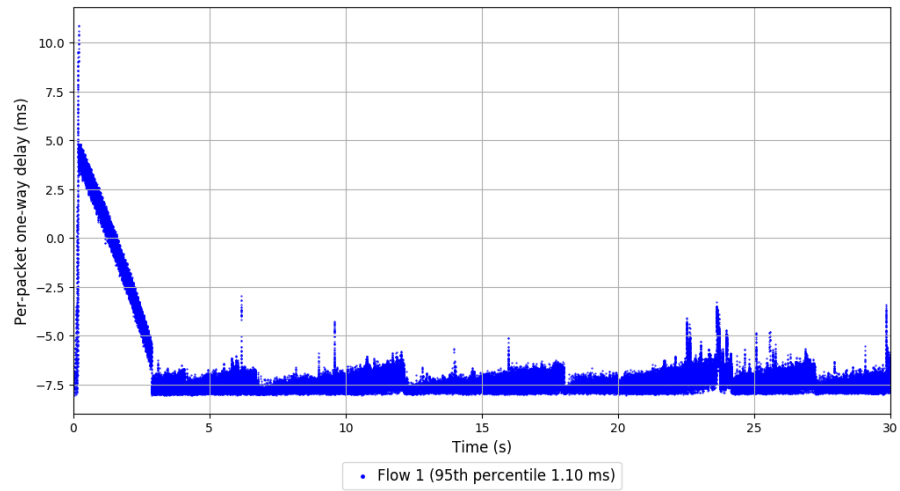
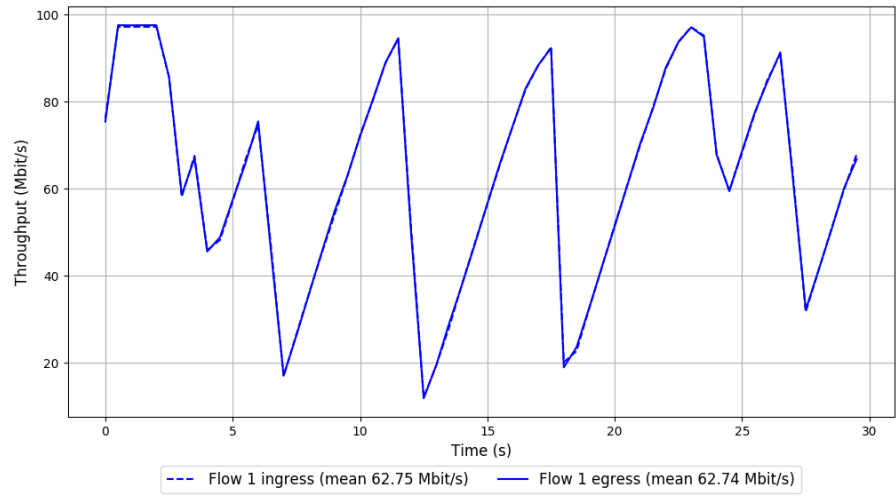


Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 04:08:21
End at: 2018-02-16 04:08:51
Local clock offset: -10.56 ms
Remote clock offset: -26.781 ms

Below is generated by plot.py at 2018-02-16 06:09:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.74 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.74 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link

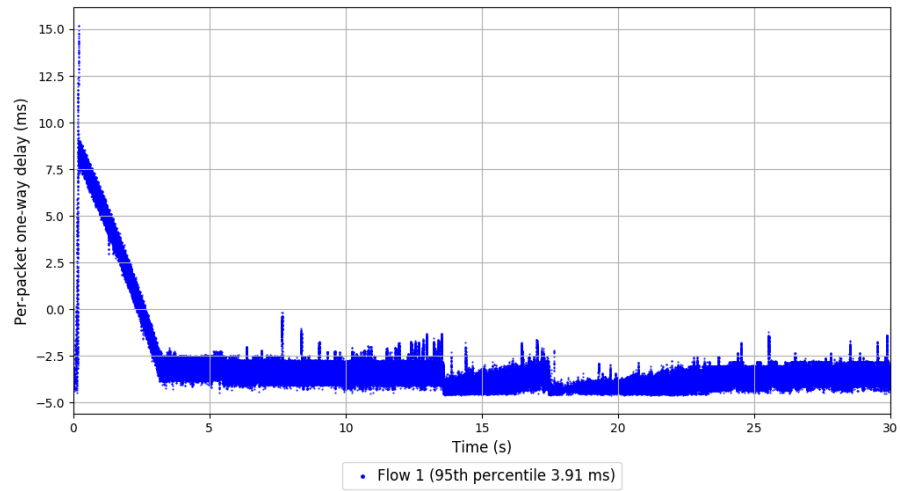
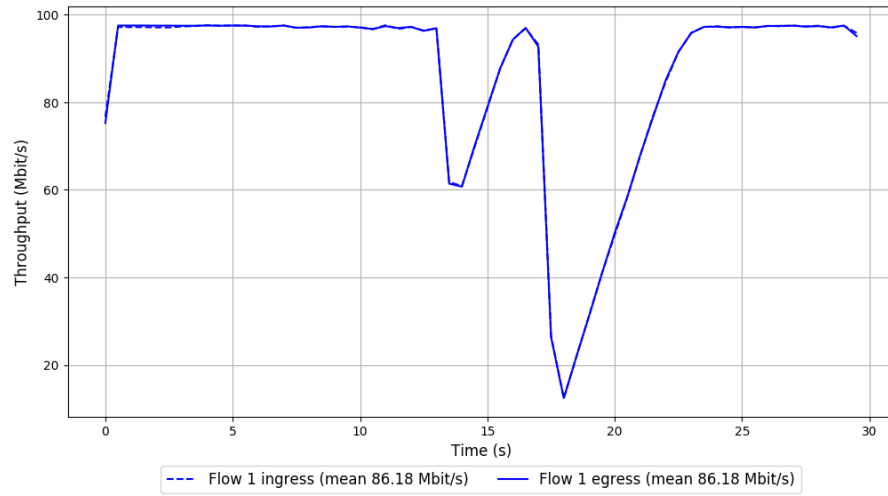


Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 04:30:41
End at: 2018-02-16 04:31:11
Local clock offset: -12.604 ms
Remote clock offset: -23.007 ms

Below is generated by plot.py at 2018-02-16 06:09:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 3.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 3.910 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

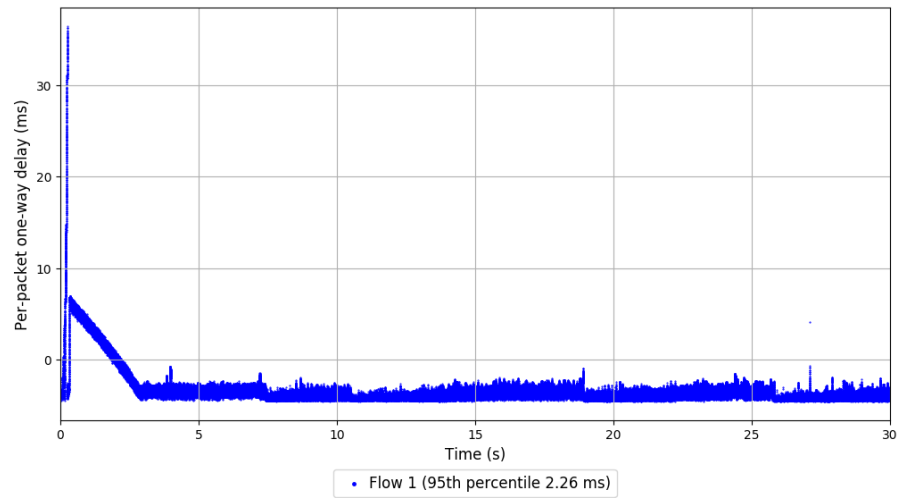
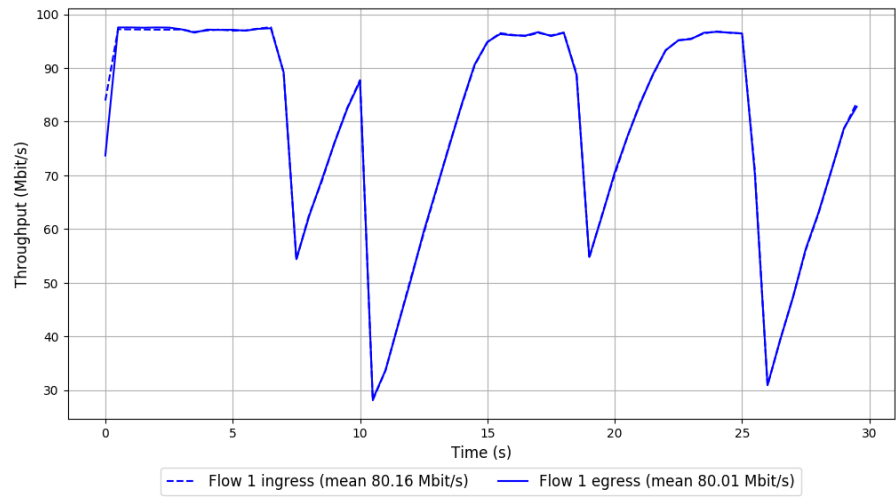


Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 04:53:07
End at: 2018-02-16 04:53:37
Local clock offset: -13.108 ms
Remote clock offset: -21.027 ms

Below is generated by plot.py at 2018-02-16 06:09:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.01 Mbit/s
95th percentile per-packet one-way delay: 2.256 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 80.01 Mbit/s
95th percentile per-packet one-way delay: 2.256 ms
Loss rate: 0.20%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 05:15:26

End at: 2018-02-16 05:15:56

Local clock offset: -9.537 ms

Remote clock offset: -22.08 ms

Below is generated by plot.py at 2018-02-16 06:10:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: -0.311 ms

Loss rate: 0.00%

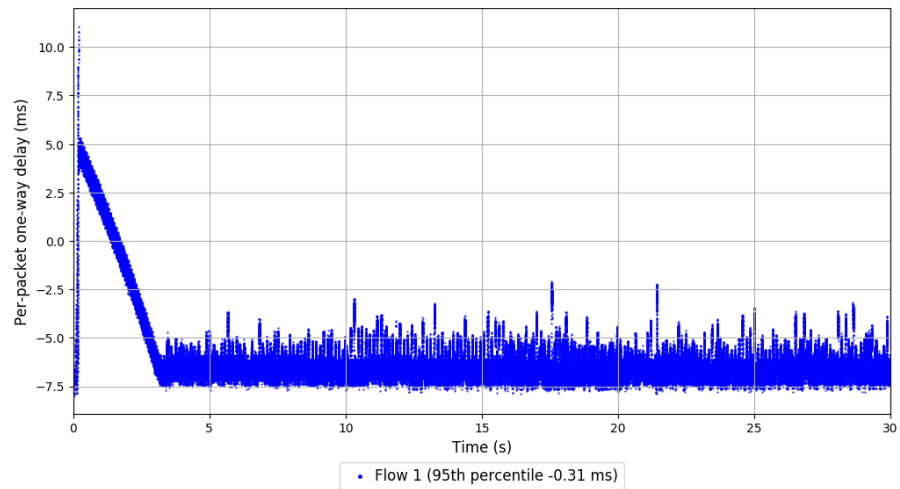
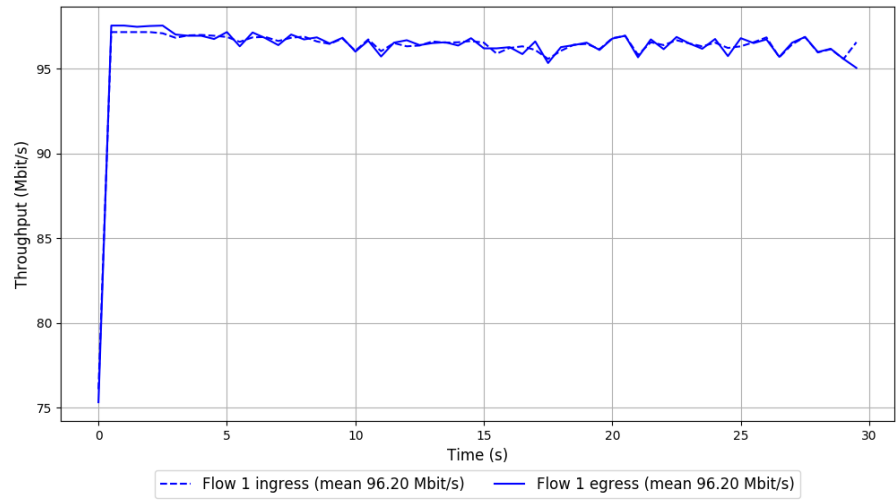
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: -0.311 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

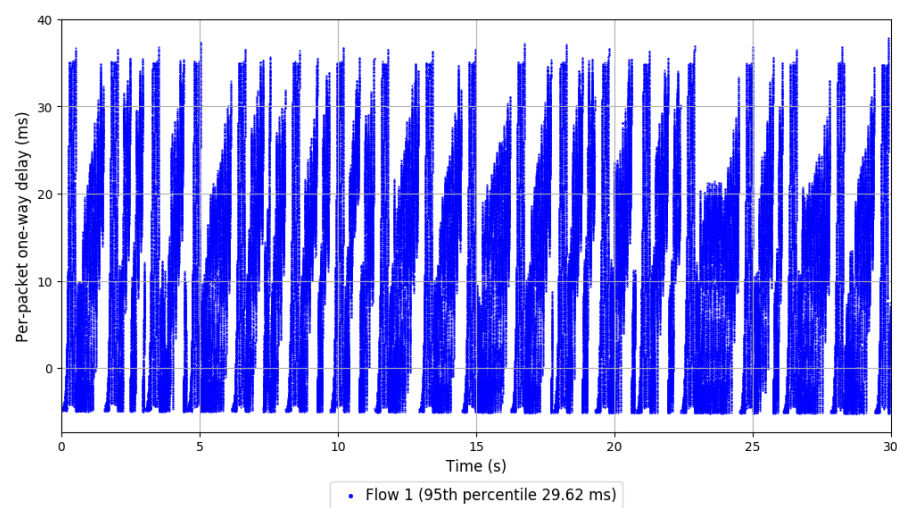
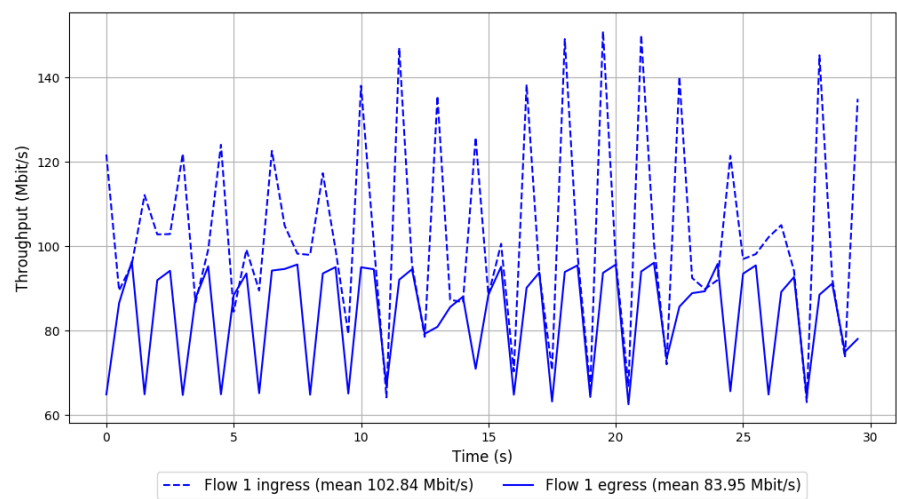


Run 1: Statistics of Verus

Start at: 2018-02-16 01:45:44
End at: 2018-02-16 01:46:14
Local clock offset: -7.585 ms
Remote clock offset: -19.306 ms

Below is generated by plot.py at 2018-02-16 06:10:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 29.620 ms
Loss rate: 18.33%
-- Flow 1:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 29.620 ms
Loss rate: 18.33%

Run 1: Report of Verus — Data Link

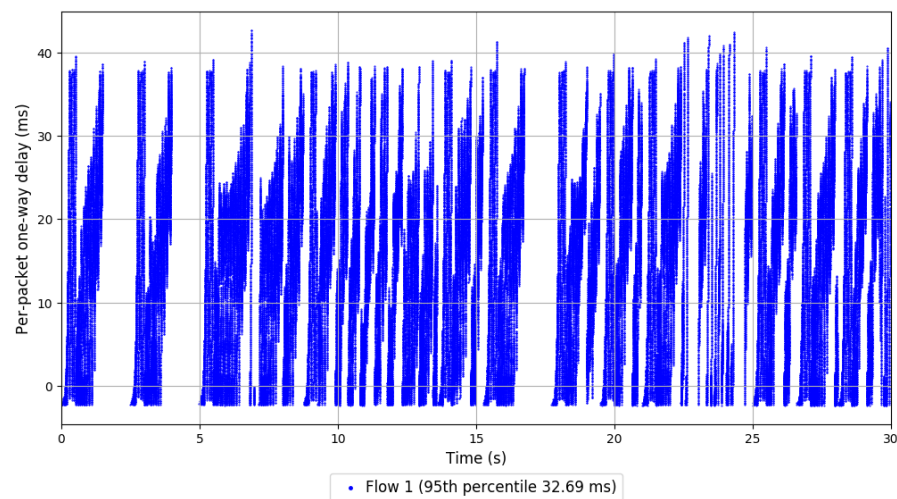
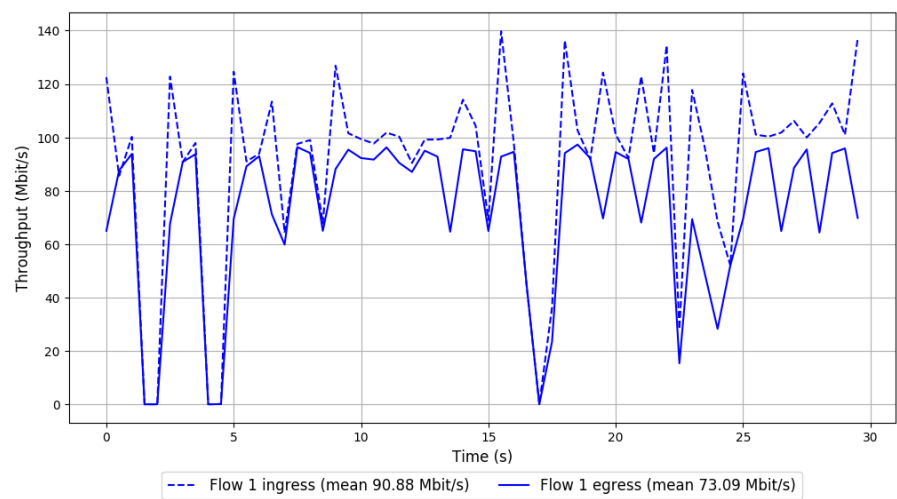


Run 2: Statistics of Verus

Start at: 2018-02-16 02:07:52
End at: 2018-02-16 02:08:22
Local clock offset: -16.01 ms
Remote clock offset: -19.697 ms

Below is generated by plot.py at 2018-02-16 06:10:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.09 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 19.49%
-- Flow 1:
Average throughput: 73.09 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 19.49%

Run 2: Report of Verus — Data Link

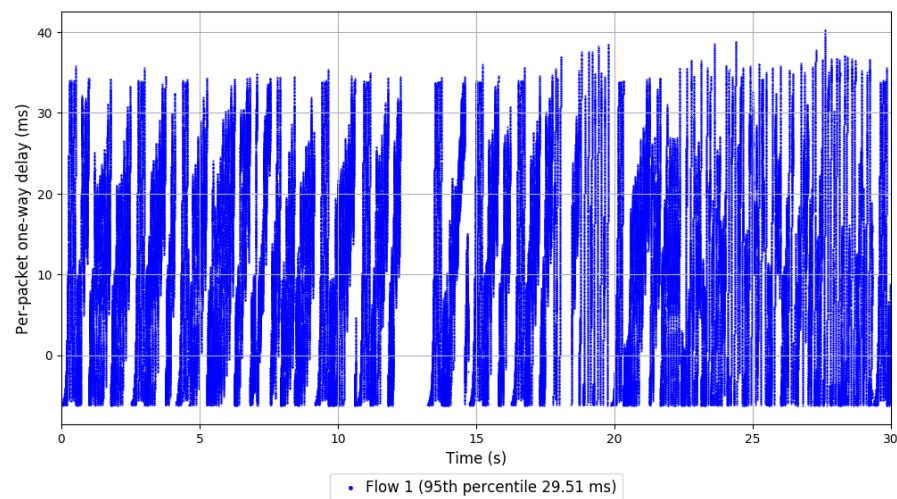
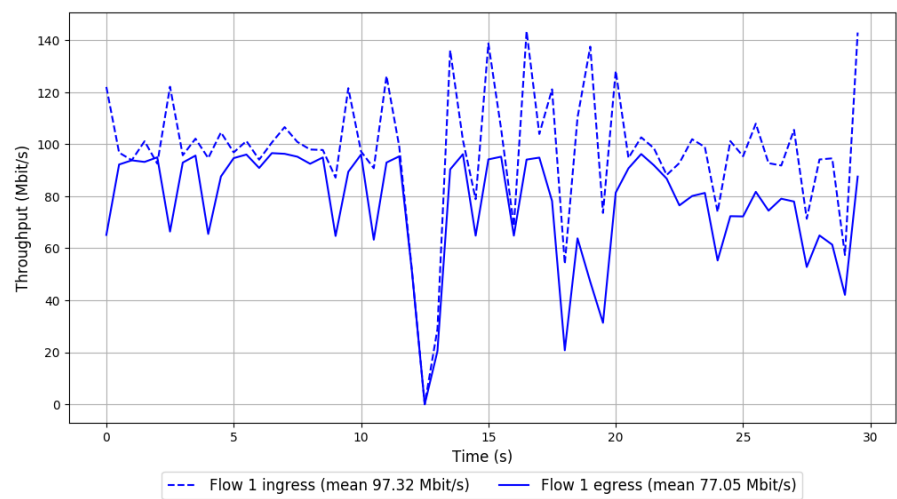


Run 3: Statistics of Verus

Start at: 2018-02-16 02:29:21
End at: 2018-02-16 02:29:51
Local clock offset: -14.185 ms
Remote clock offset: -20.024 ms

Below is generated by plot.py at 2018-02-16 06:10:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 29.508 ms
Loss rate: 20.78%
-- Flow 1:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 29.508 ms
Loss rate: 20.78%

Run 3: Report of Verus — Data Link

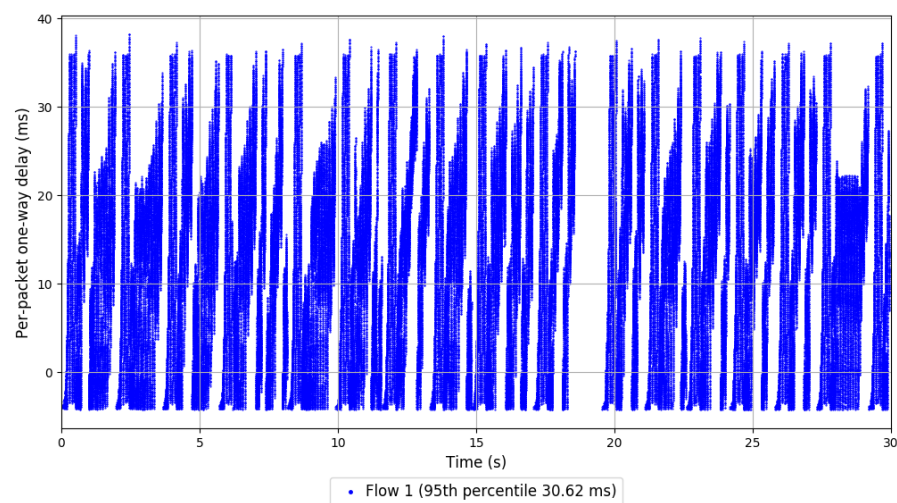
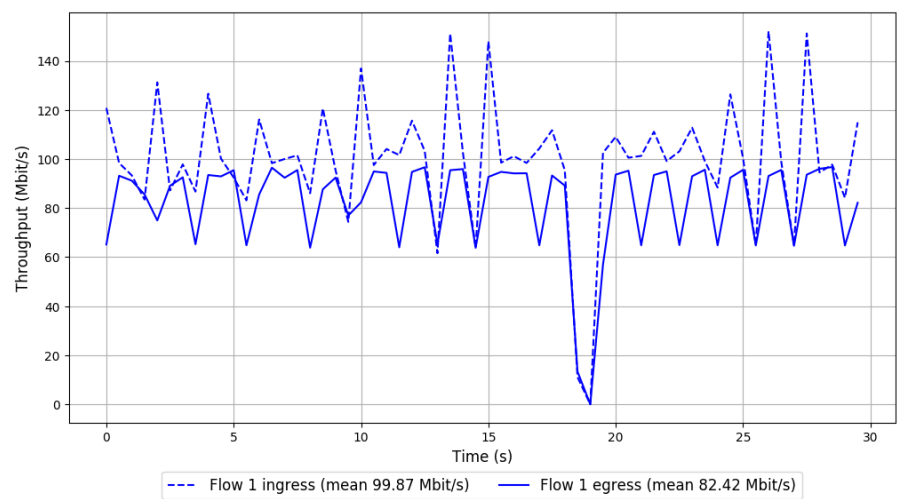


Run 4: Statistics of Verus

Start at: 2018-02-16 02:50:59
End at: 2018-02-16 02:51:29
Local clock offset: -15.256 ms
Remote clock offset: -18.227 ms

Below is generated by plot.py at 2018-02-16 06:11:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 30.617 ms
Loss rate: 17.44%
-- Flow 1:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 30.617 ms
Loss rate: 17.44%

Run 4: Report of Verus — Data Link

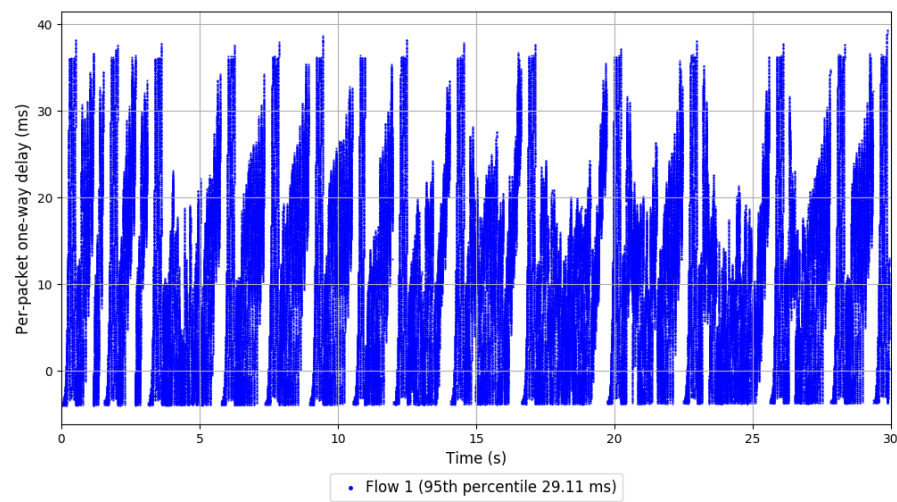
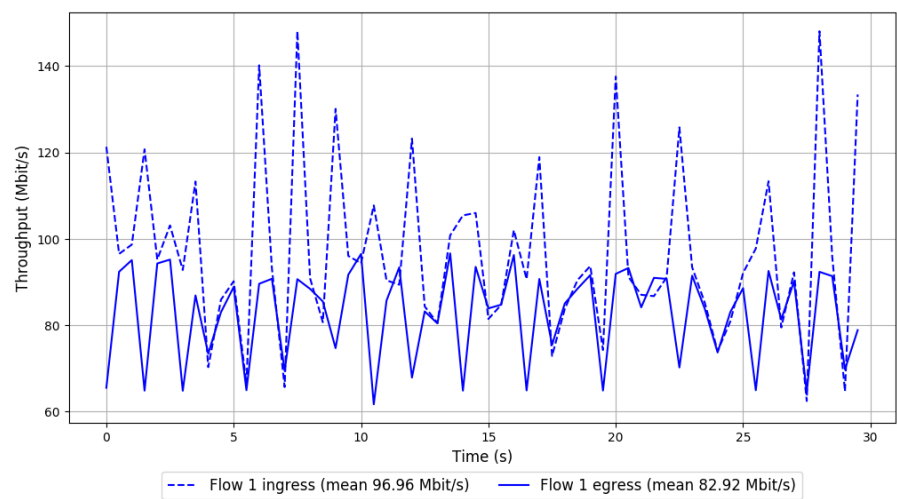


Run 5: Statistics of Verus

Start at: 2018-02-16 03:12:40
End at: 2018-02-16 03:13:10
Local clock offset: -6.836 ms
Remote clock offset: -18.321 ms

Below is generated by plot.py at 2018-02-16 06:11:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 29.113 ms
Loss rate: 14.47%
-- Flow 1:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 29.113 ms
Loss rate: 14.47%

Run 5: Report of Verus — Data Link

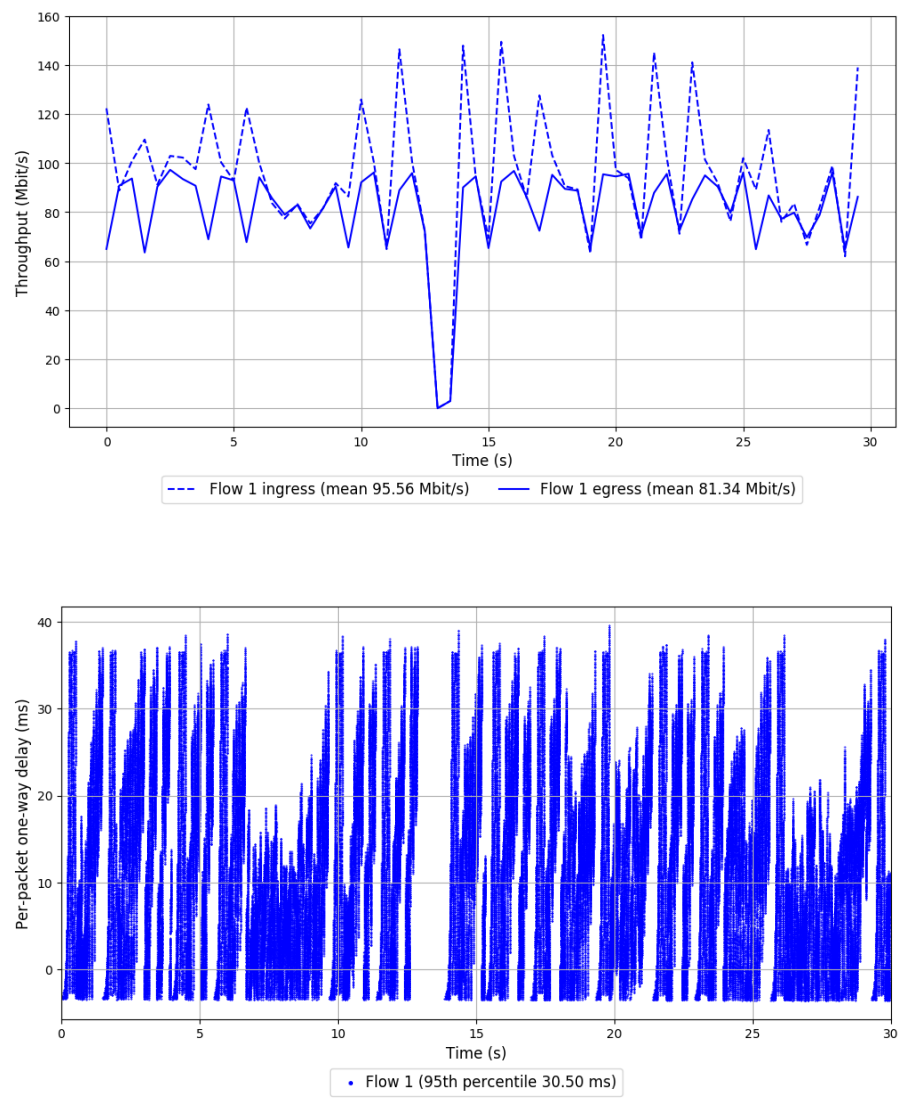


Run 6: Statistics of Verus

Start at: 2018-02-16 03:34:55
End at: 2018-02-16 03:35:25
Local clock offset: -11.257 ms
Remote clock offset: -23.1 ms

Below is generated by plot.py at 2018-02-16 06:11:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.34 Mbit/s
95th percentile per-packet one-way delay: 30.501 ms
Loss rate: 14.84%
-- Flow 1:
Average throughput: 81.34 Mbit/s
95th percentile per-packet one-way delay: 30.501 ms
Loss rate: 14.84%

Run 6: Report of Verus — Data Link

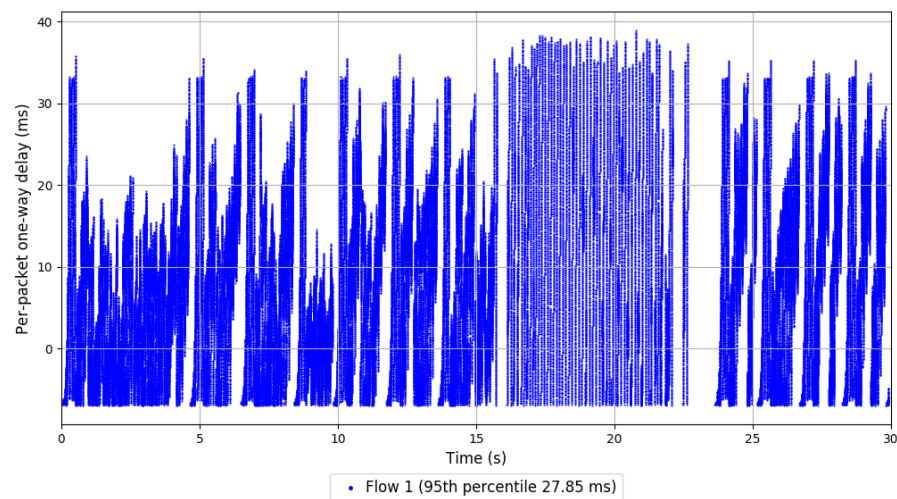
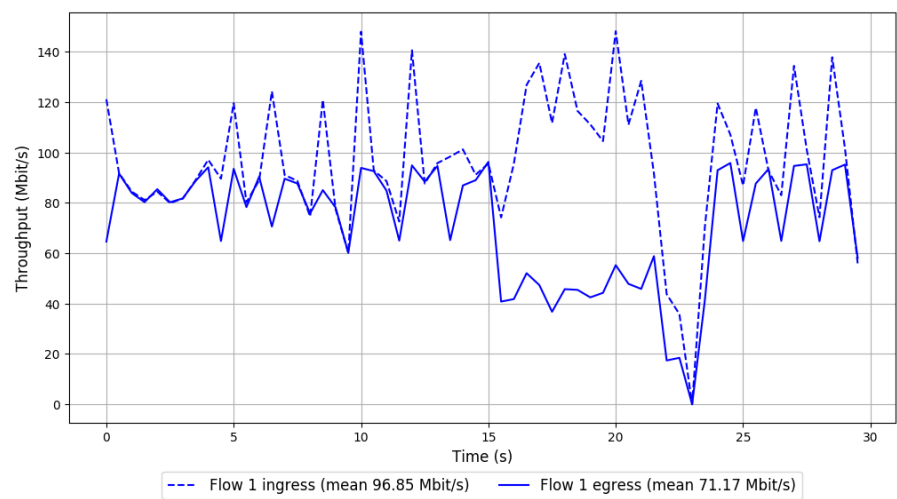


Run 7: Statistics of Verus

Start at: 2018-02-16 03:57:03
End at: 2018-02-16 03:57:33
Local clock offset: -11.415 ms
Remote clock offset: -25.171 ms

Below is generated by plot.py at 2018-02-16 06:11:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.17 Mbit/s
95th percentile per-packet one-way delay: 27.854 ms
Loss rate: 26.52%
-- Flow 1:
Average throughput: 71.17 Mbit/s
95th percentile per-packet one-way delay: 27.854 ms
Loss rate: 26.52%

Run 7: Report of Verus — Data Link

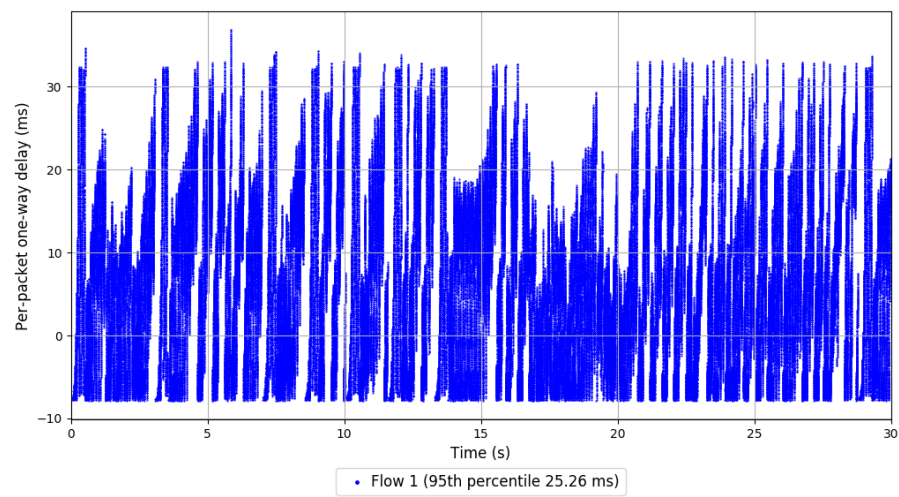
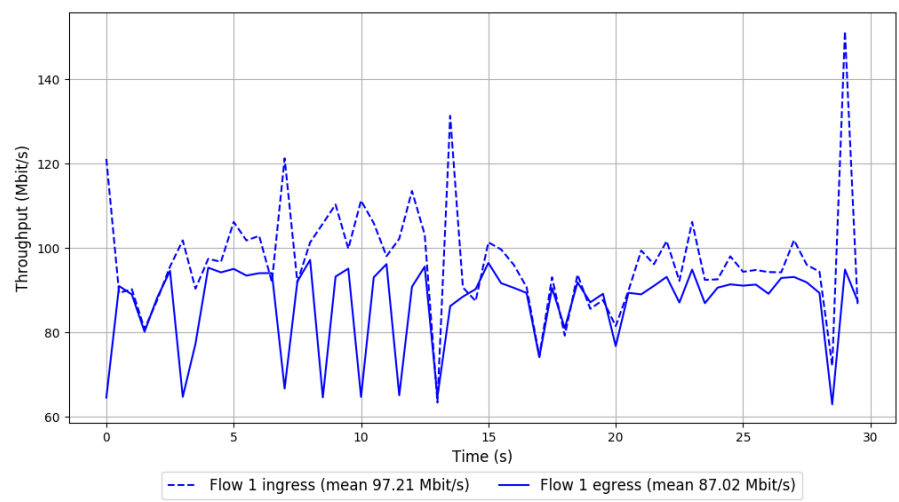


Run 8: Statistics of Verus

Start at: 2018-02-16 04:19:18
End at: 2018-02-16 04:19:48
Local clock offset: -8.701 ms
Remote clock offset: -25.44 ms

Below is generated by plot.py at 2018-02-16 06:11:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: 25.262 ms
Loss rate: 10.41%
-- Flow 1:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: 25.262 ms
Loss rate: 10.41%

Run 8: Report of Verus — Data Link

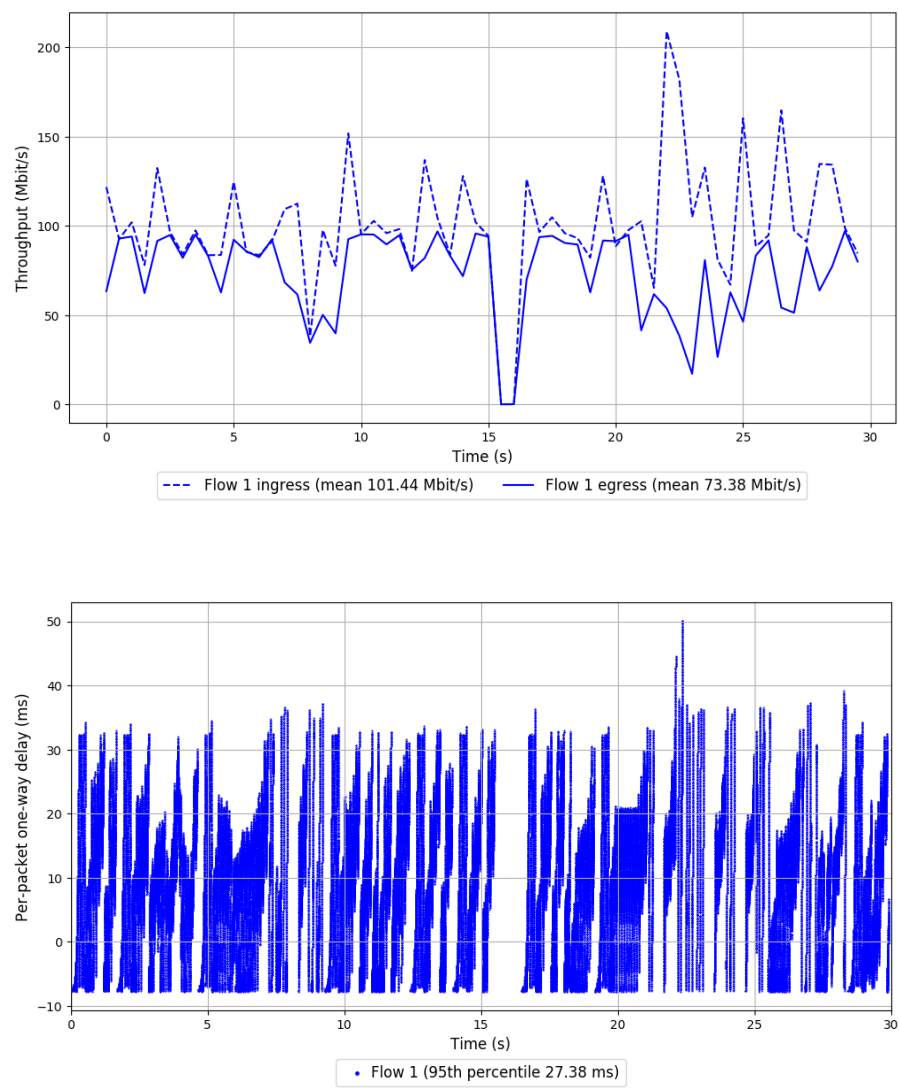


Run 9: Statistics of Verus

Start at: 2018-02-16 04:41:50
End at: 2018-02-16 04:42:20
Local clock offset: -9.896 ms
Remote clock offset: -21.852 ms

Below is generated by plot.py at 2018-02-16 06:11:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 27.384 ms
Loss rate: 27.64%
-- Flow 1:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 27.384 ms
Loss rate: 27.64%

Run 9: Report of Verus — Data Link

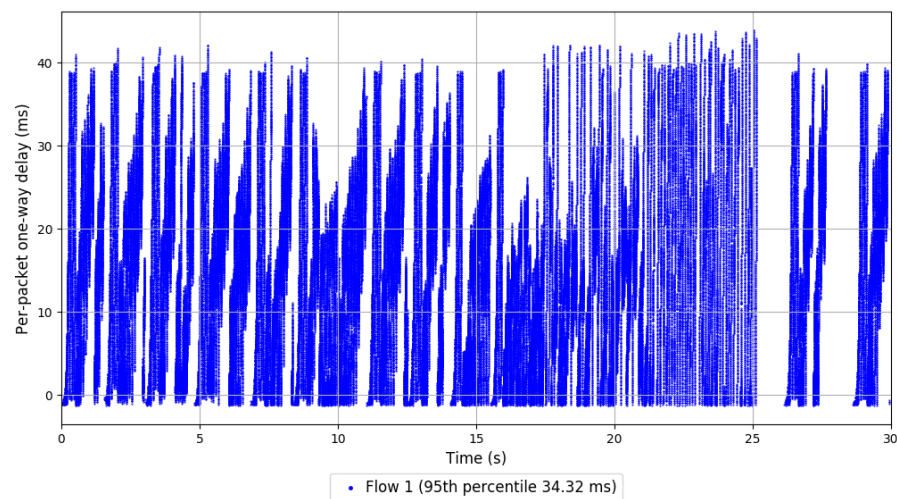
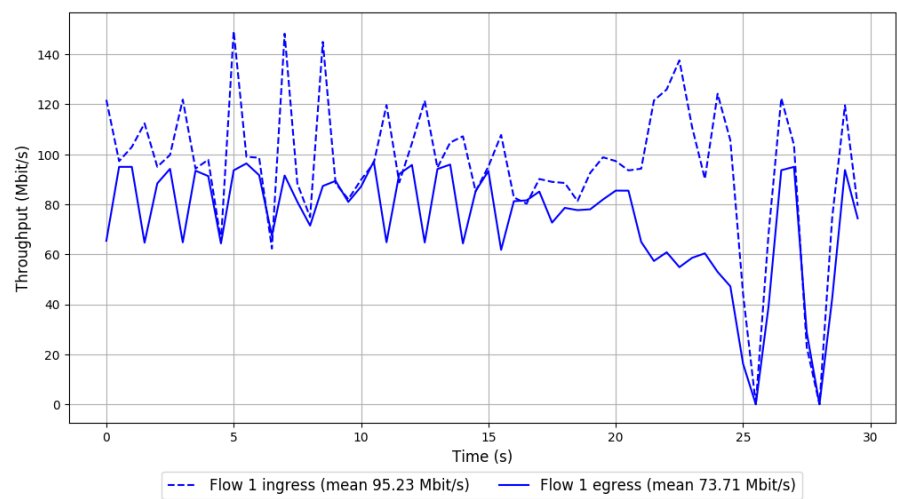


Run 10: Statistics of Verus

Start at: 2018-02-16 05:04:14
End at: 2018-02-16 05:04:44
Local clock offset: -17.488 ms
Remote clock offset: -21.61 ms

Below is generated by plot.py at 2018-02-16 06:11:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 34.322 ms
Loss rate: 22.59%
-- Flow 1:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 34.322 ms
Loss rate: 22.59%

Run 10: Report of Verus — Data Link

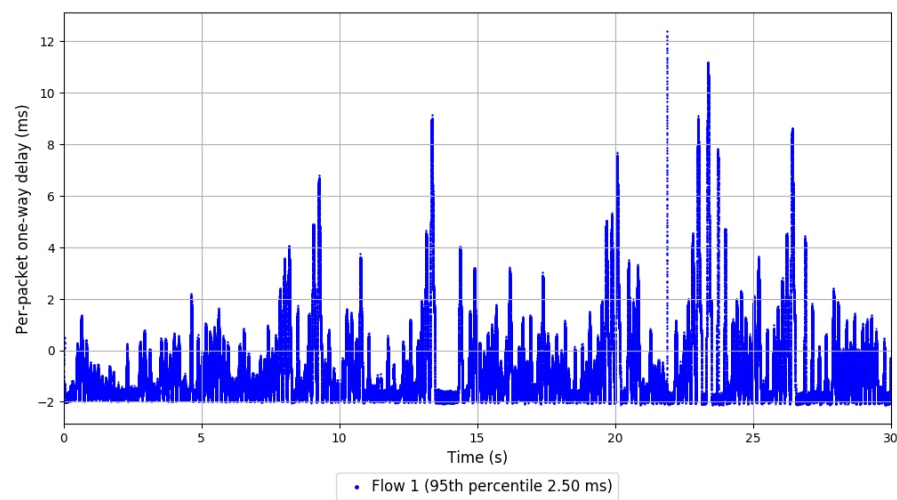
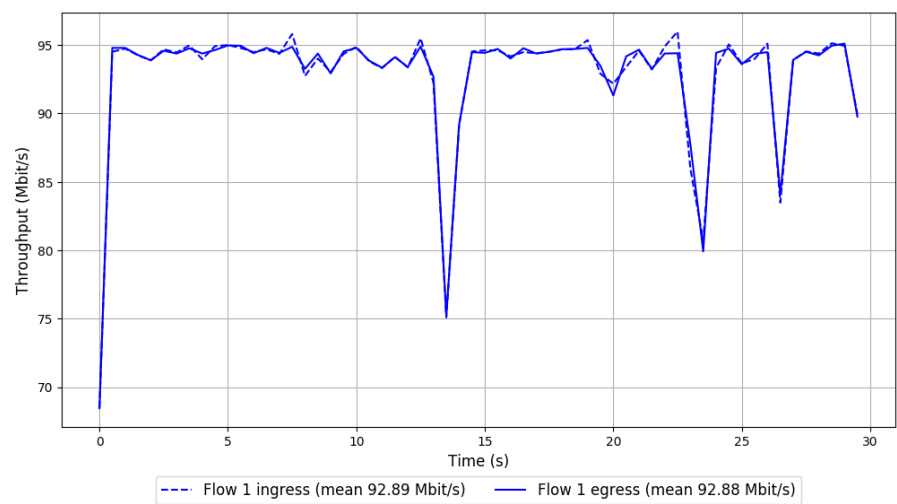


Run 1: Statistics of Copa

Start at: 2018-02-16 01:52:56
End at: 2018-02-16 01:53:26
Local clock offset: -14.025 ms
Remote clock offset: -20.217 ms

Below is generated by plot.py at 2018-02-16 06:13:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 2.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 2.502 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

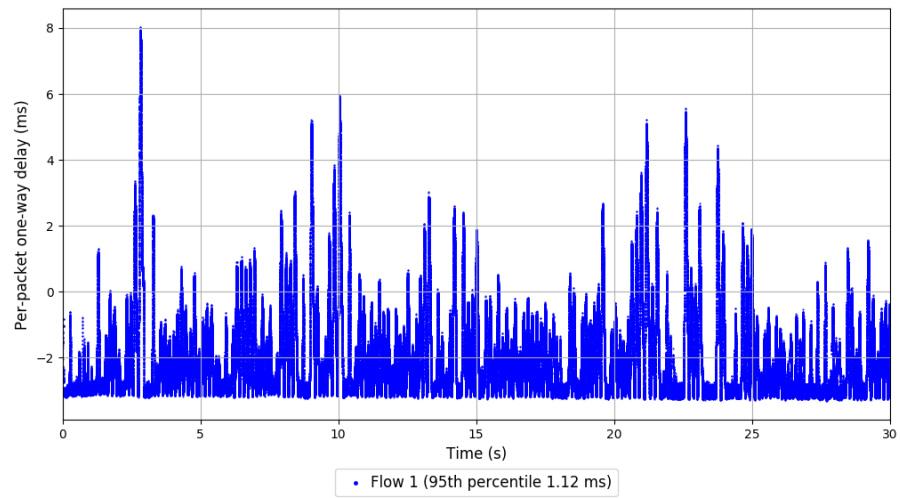
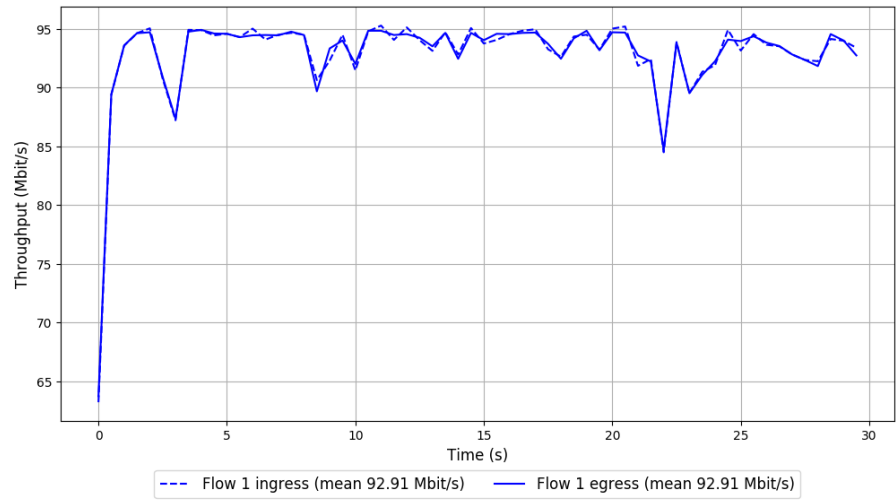


Run 2: Statistics of Copa

Start at: 2018-02-16 02:14:56
End at: 2018-02-16 02:15:26
Local clock offset: -14.23 ms
Remote clock offset: -17.658 ms

Below is generated by plot.py at 2018-02-16 06:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

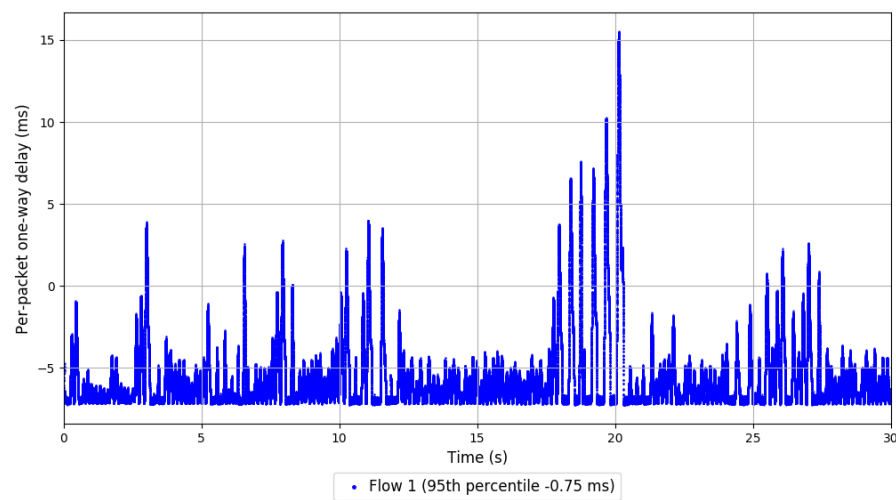
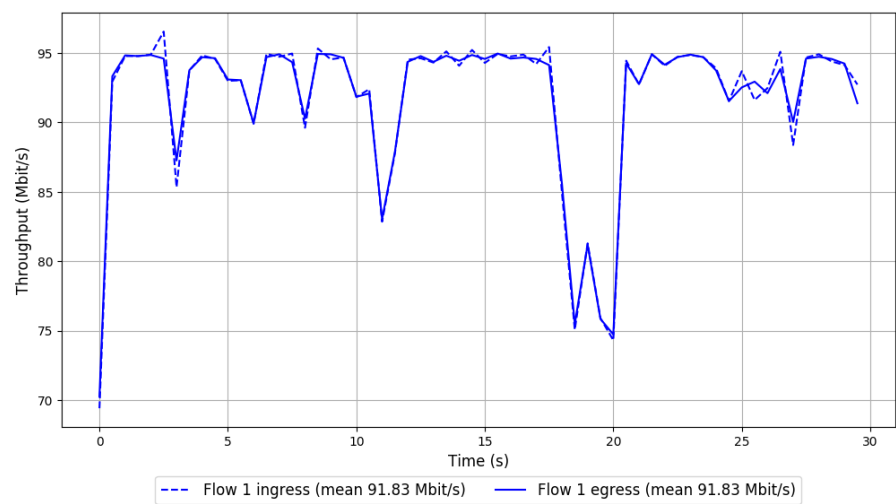


Run 3: Statistics of Copa

Start at: 2018-02-16 02:36:32
End at: 2018-02-16 02:37:02
Local clock offset: -14.978 ms
Remote clock offset: -21.28 ms

Below is generated by plot.py at 2018-02-16 06:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: -0.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: -0.754 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

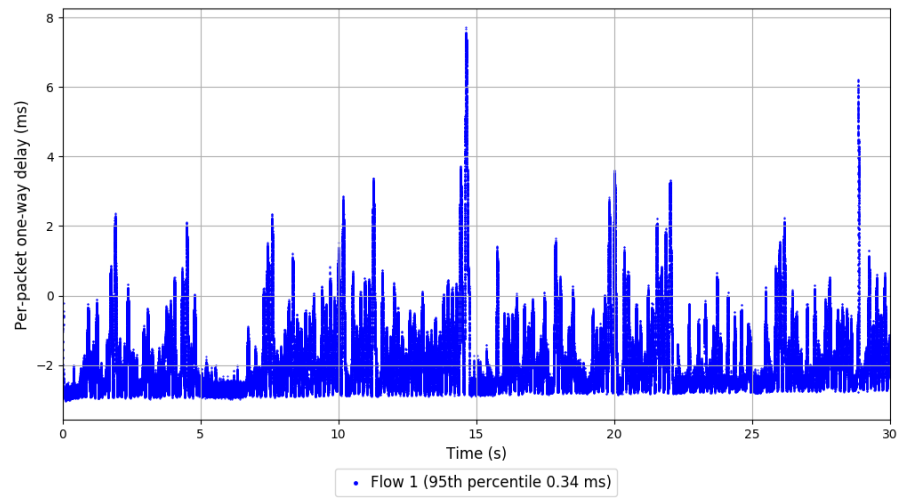
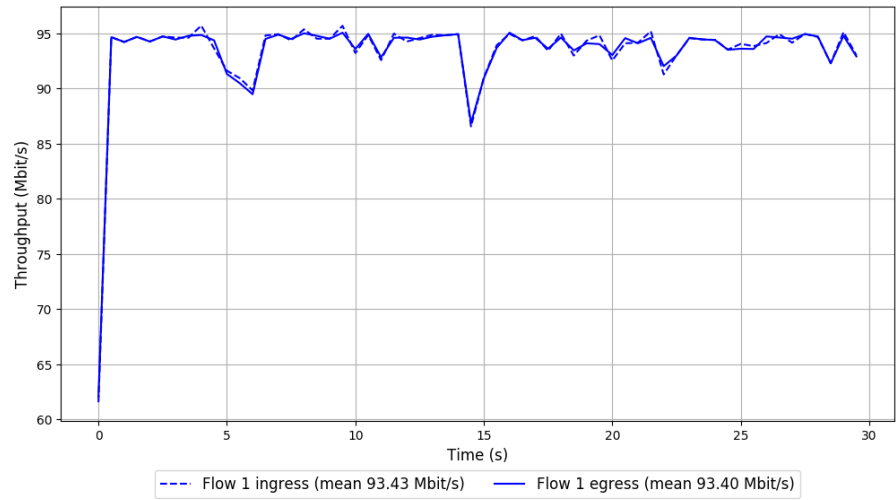


Run 4: Statistics of Copa

Start at: 2018-02-16 02:58:02
End at: 2018-02-16 02:58:32
Local clock offset: -11.612 ms
Remote clock offset: -18.007 ms

Below is generated by plot.py at 2018-02-16 06:13:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 0.339 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 0.339 ms
Loss rate: 0.03%

Run 4: Report of Copa — Data Link

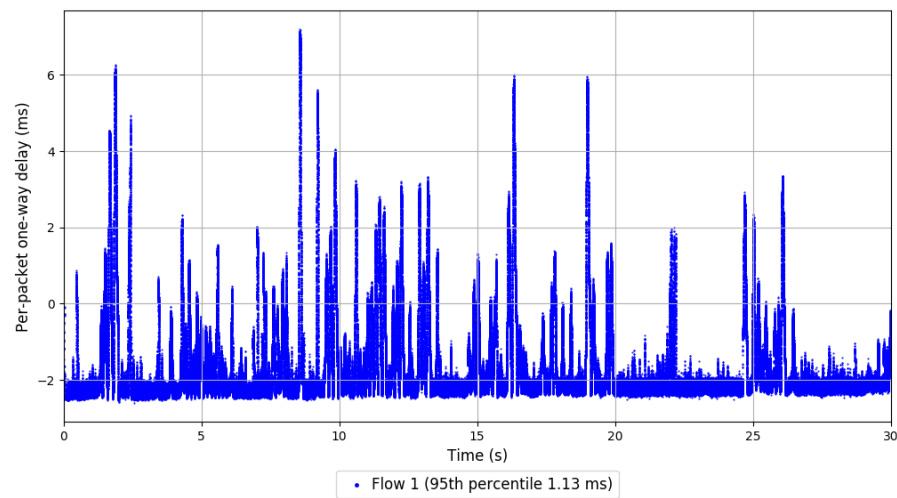
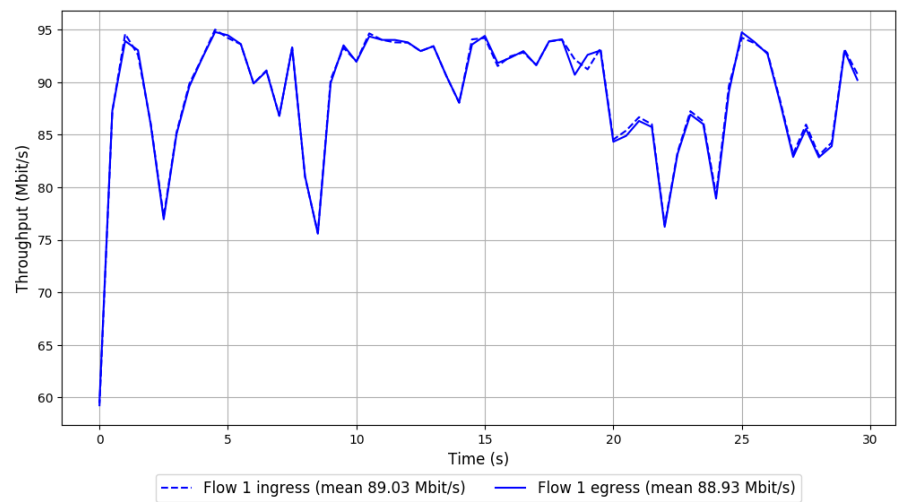


Run 5: Statistics of Copa

Start at: 2018-02-16 03:19:56
End at: 2018-02-16 03:20:26
Local clock offset: -7.305 ms
Remote clock offset: -20.89 ms

Below is generated by plot.py at 2018-02-16 06:13:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.11%

Run 5: Report of Copa — Data Link

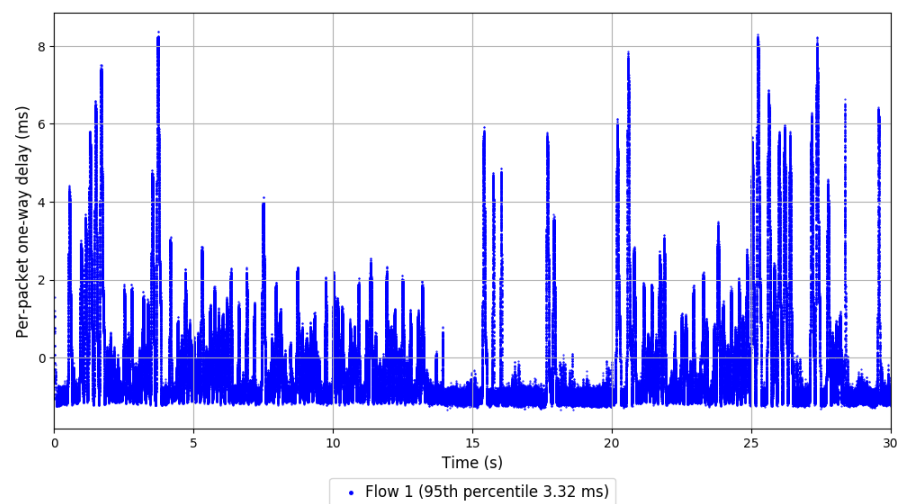
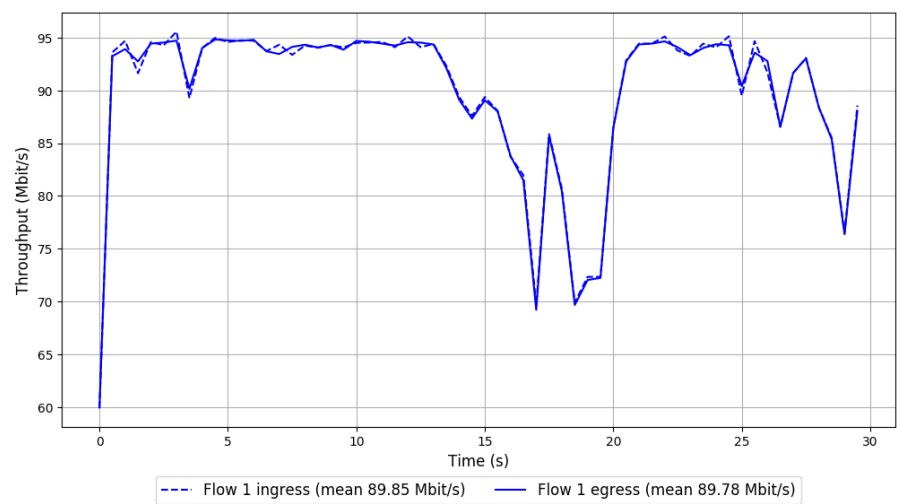


Run 6: Statistics of Copa

Start at: 2018-02-16 03:42:15
End at: 2018-02-16 03:42:45
Local clock offset: -14.403 ms
Remote clock offset: -23.003 ms

Below is generated by plot.py at 2018-02-16 06:13:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 3.321 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 3.321 ms
Loss rate: 0.08%

Run 6: Report of Copa — Data Link

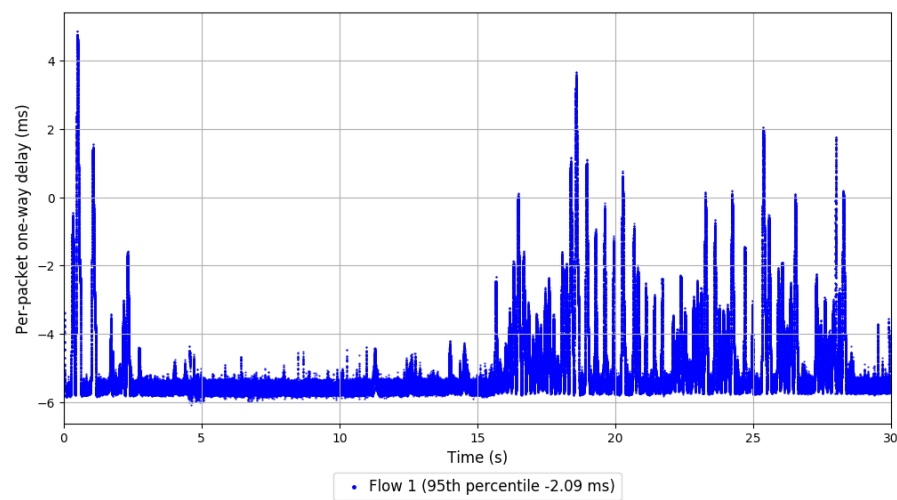
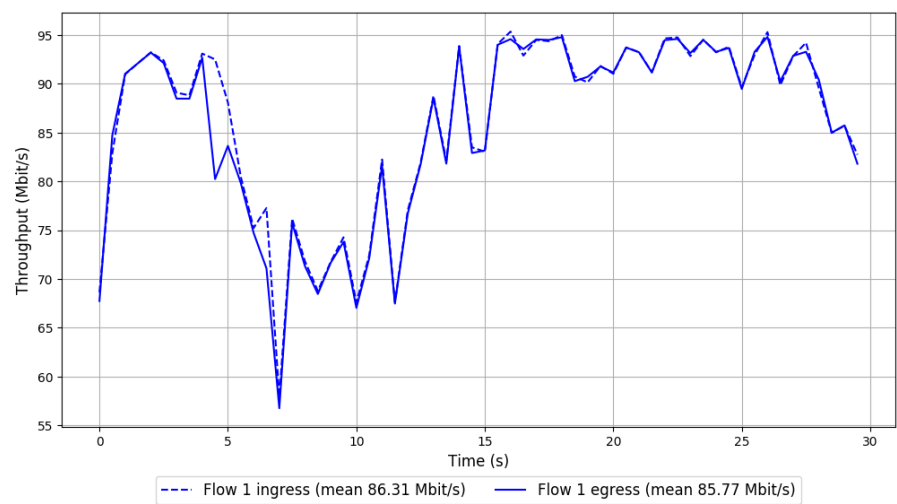


Run 7: Statistics of Copa

Start at: 2018-02-16 04:04:17
End at: 2018-02-16 04:04:47
Local clock offset: -12.286 ms
Remote clock offset: -25.607 ms

Below is generated by plot.py at 2018-02-16 06:13:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: -2.093 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: -2.093 ms
Loss rate: 0.62%

Run 7: Report of Copa — Data Link

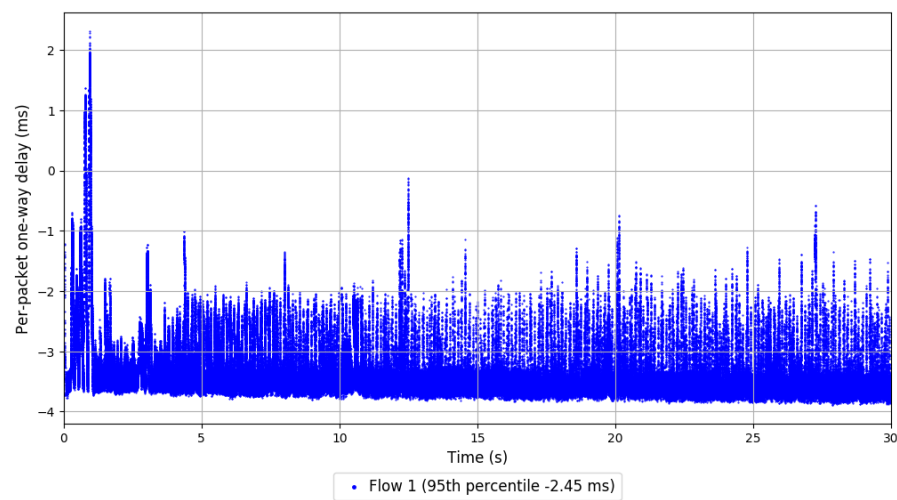
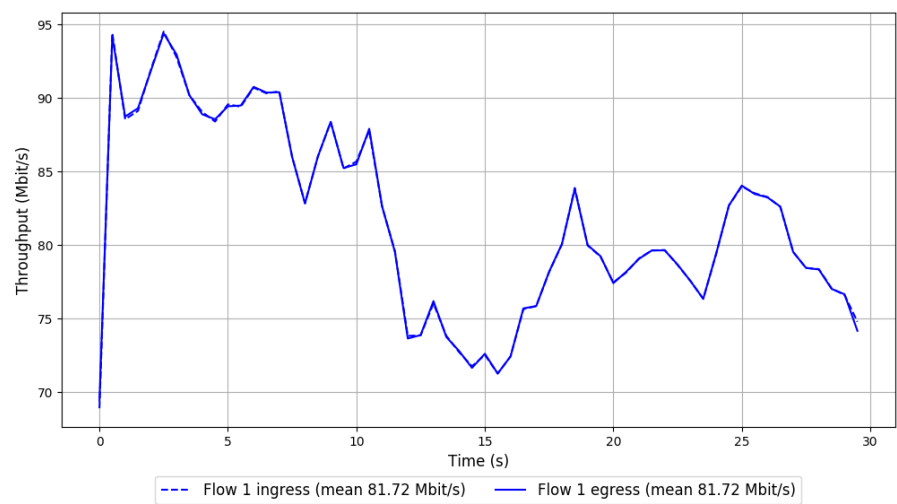


Run 8: Statistics of Copa

Start at: 2018-02-16 04:26:42
End at: 2018-02-16 04:27:12
Local clock offset: -12.406 ms
Remote clock offset: -23.115 ms

Below is generated by plot.py at 2018-02-16 06:13:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.72 Mbit/s
95th percentile per-packet one-way delay: -2.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.72 Mbit/s
95th percentile per-packet one-way delay: -2.451 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

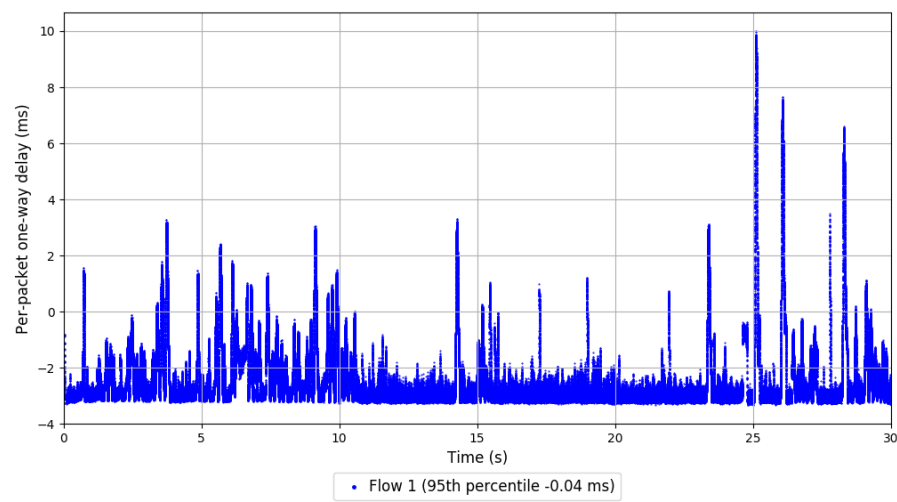
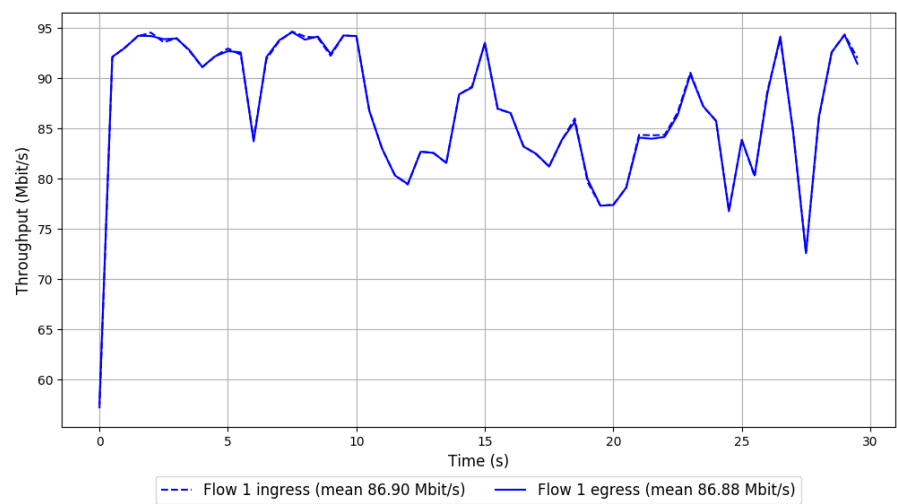


Run 9: Statistics of Copa

Start at: 2018-02-16 04:49:11
End at: 2018-02-16 04:49:41
Local clock offset: -13.491 ms
Remote clock offset: -20.628 ms

Below is generated by plot.py at 2018-02-16 06:15:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: -0.043 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: -0.043 ms
Loss rate: 0.03%

Run 9: Report of Copa — Data Link

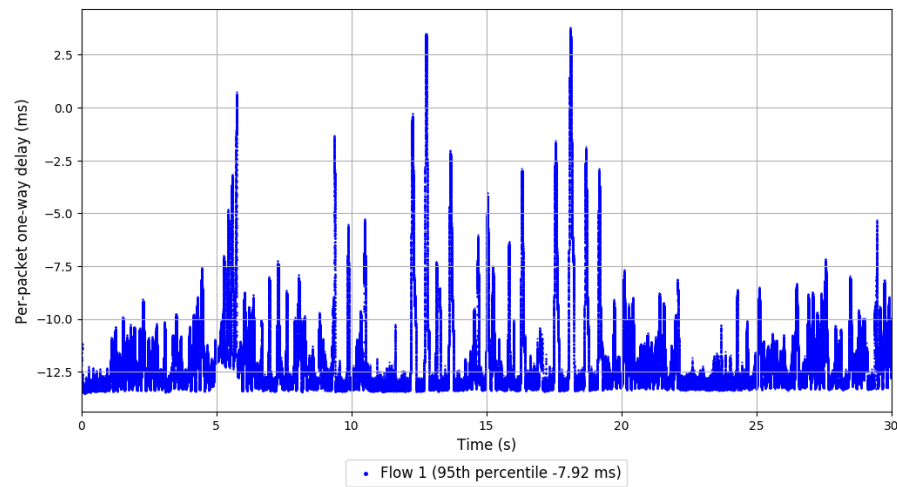
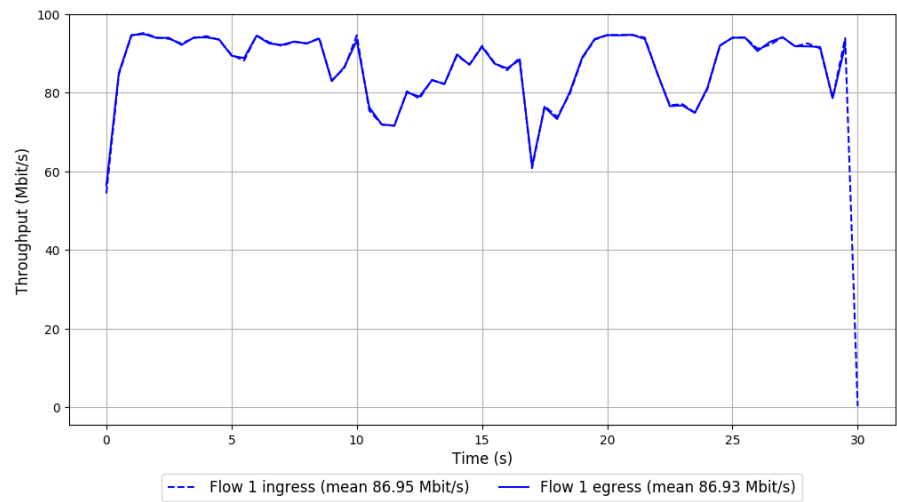


Run 10: Statistics of Copa

Start at: 2018-02-16 05:11:31
End at: 2018-02-16 05:12:01
Local clock offset: -11.015 ms
Remote clock offset: -28.152 ms

Below is generated by plot.py at 2018-02-16 06:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: -7.921 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: -7.921 ms
Loss rate: 0.01%

Run 10: Report of Copa — Data Link

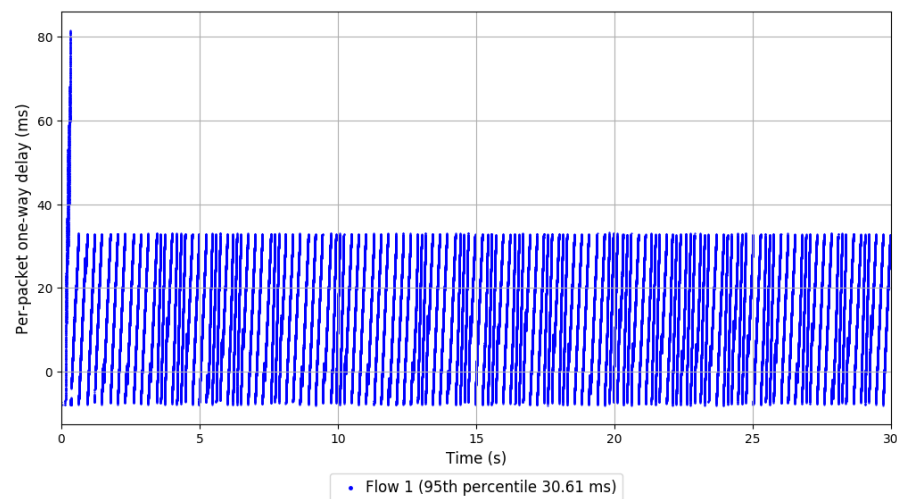
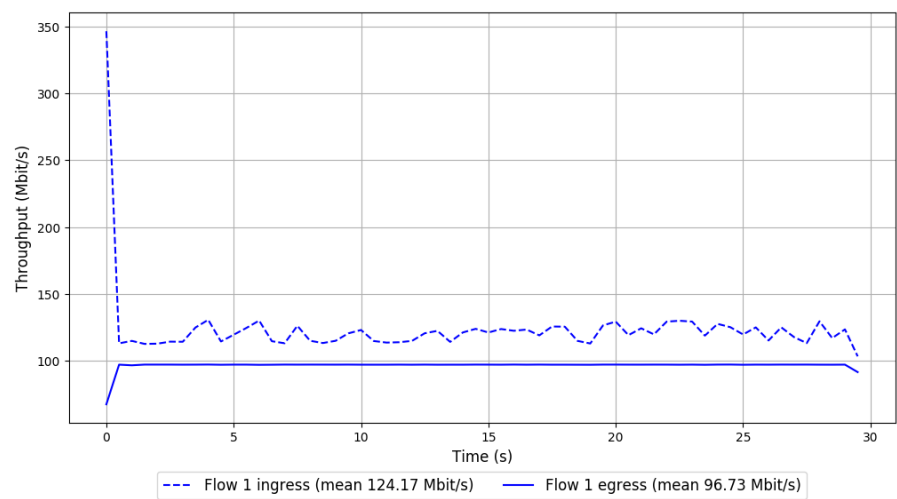


Run 1: Statistics of FillP

Start at: 2018-02-16 01:50:38
End at: 2018-02-16 01:51:08
Local clock offset: -9.656 ms
Remote clock offset: -22.358 ms

Below is generated by plot.py at 2018-02-16 06:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 22.02%
-- Flow 1:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 22.02%

Run 1: Report of FillP — Data Link

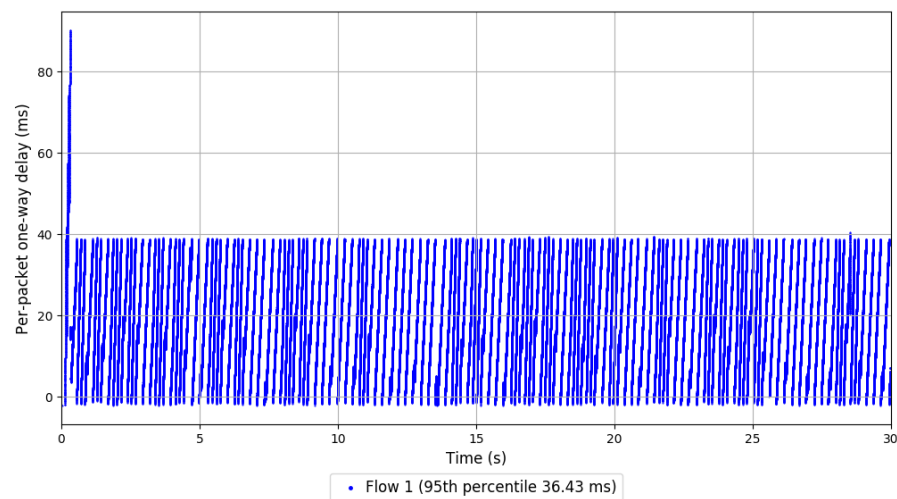
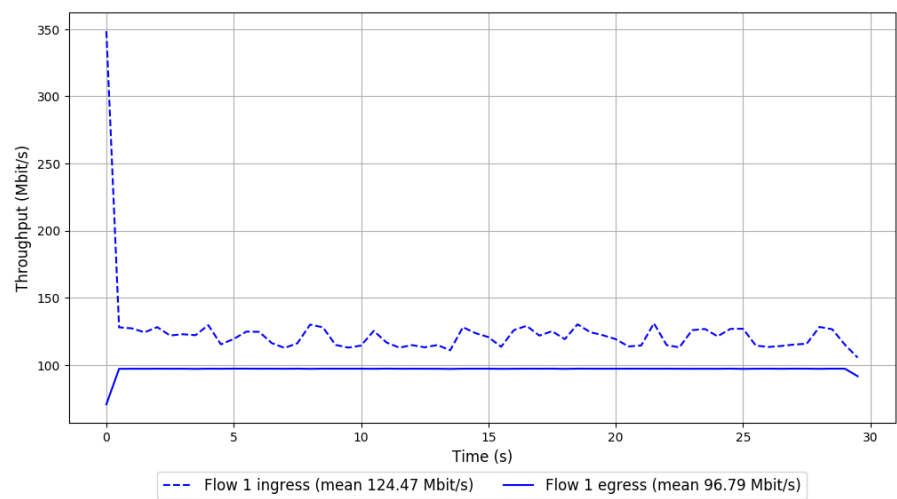


Run 2: Statistics of FillP

Start at: 2018-02-16 02:12:41
End at: 2018-02-16 02:13:11
Local clock offset: -16.291 ms
Remote clock offset: -19.127 ms

Below is generated by plot.py at 2018-02-16 06:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 36.428 ms
Loss rate: 22.22%
-- Flow 1:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 36.428 ms
Loss rate: 22.22%

Run 2: Report of FillP — Data Link

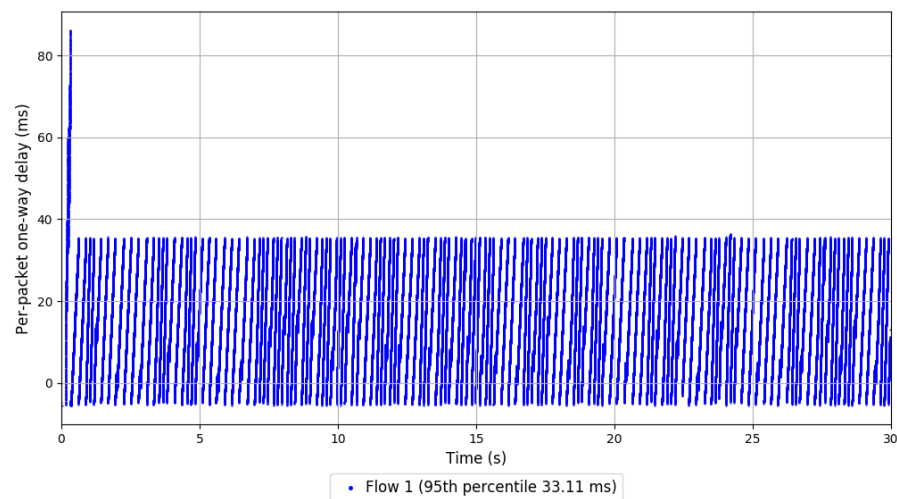
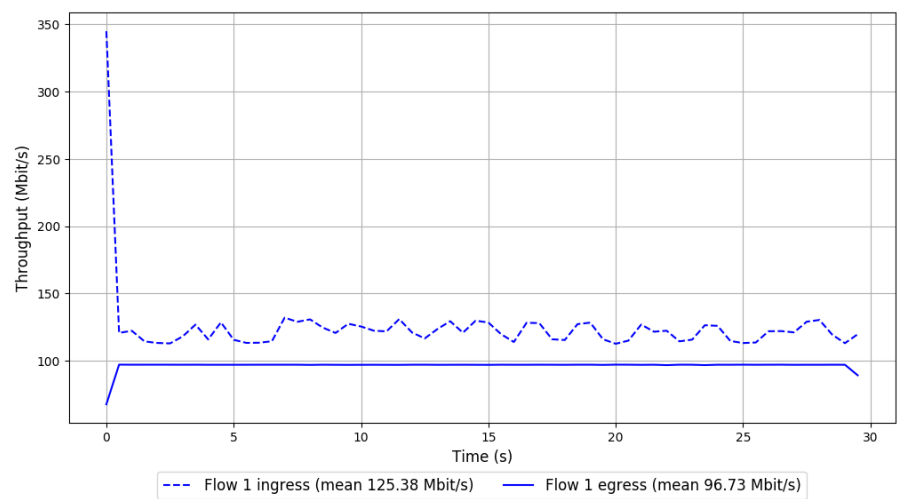


Run 3: Statistics of FillP

Start at: 2018-02-16 02:34:16
End at: 2018-02-16 02:34:46
Local clock offset: -14.829 ms
Remote clock offset: -19.539 ms

Below is generated by plot.py at 2018-02-16 06:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 33.110 ms
Loss rate: 22.81%
-- Flow 1:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 33.110 ms
Loss rate: 22.81%

Run 3: Report of FillP — Data Link

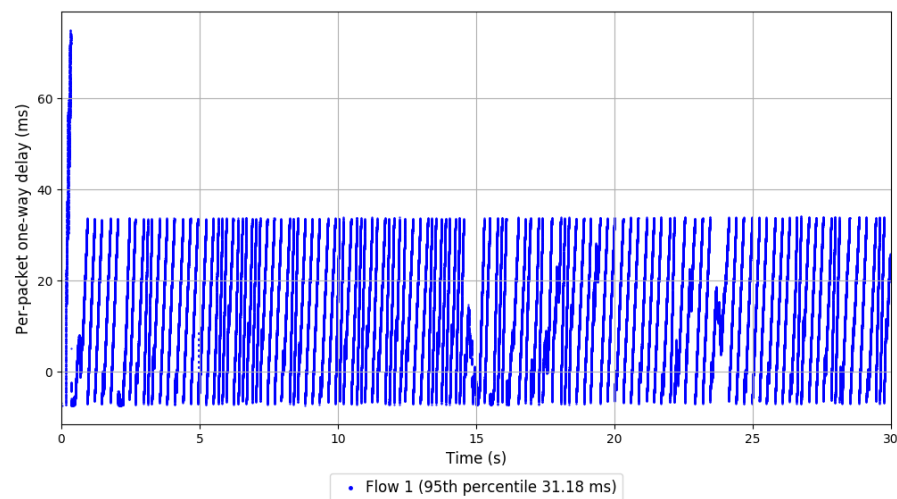
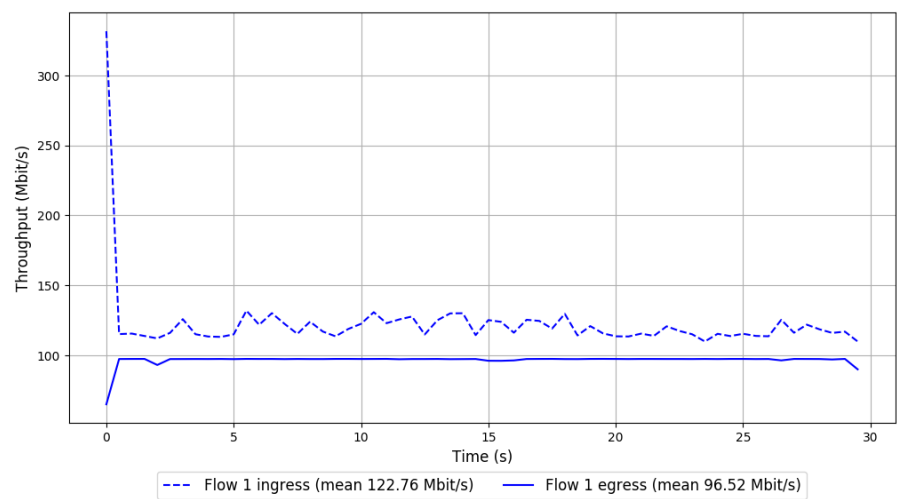


Run 4: Statistics of FillP

Start at: 2018-02-16 02:55:46
End at: 2018-02-16 02:56:16
Local clock offset: -9.961 ms
Remote clock offset: -19.386 ms

Below is generated by plot.py at 2018-02-16 06:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 31.176 ms
Loss rate: 21.29%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 31.176 ms
Loss rate: 21.29%

Run 4: Report of FillP — Data Link

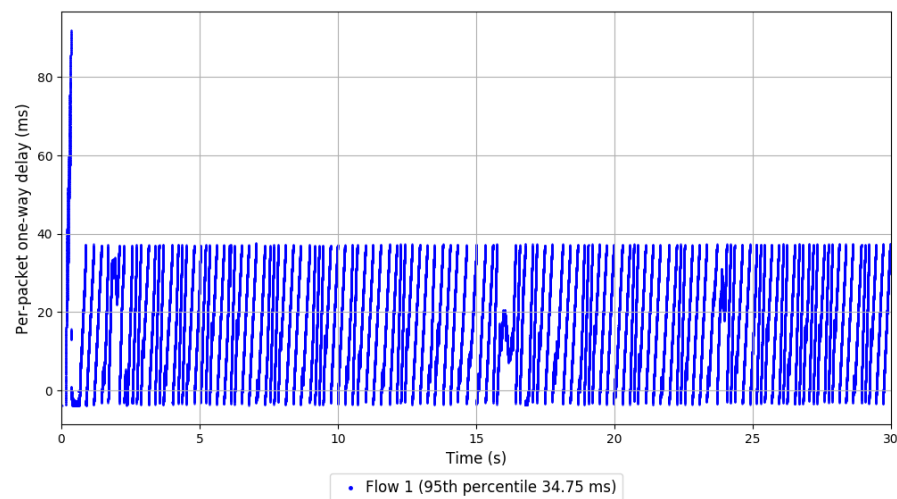
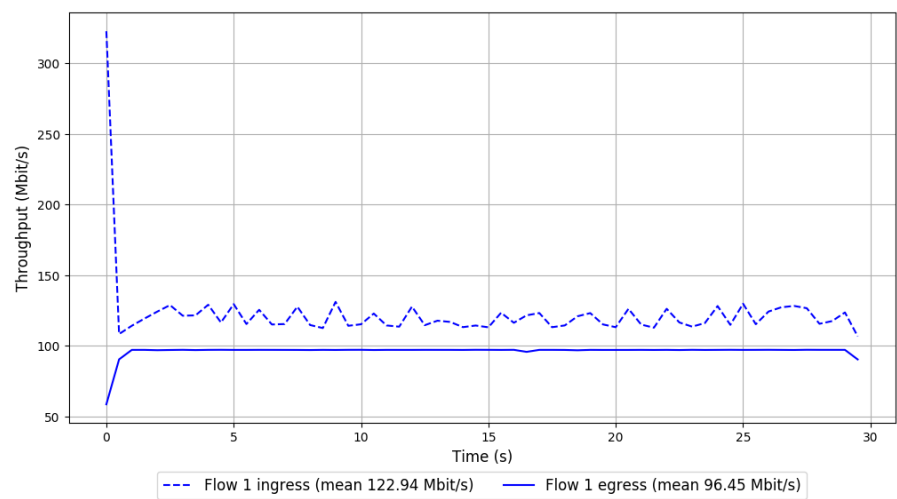


Run 5: Statistics of FillP

Start at: 2018-02-16 03:17:38
End at: 2018-02-16 03:18:08
Local clock offset: -6.654 ms
Remote clock offset: -20.642 ms

Below is generated by plot.py at 2018-02-16 06:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 34.748 ms
Loss rate: 21.53%
-- Flow 1:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 34.748 ms
Loss rate: 21.53%

Run 5: Report of FillP — Data Link

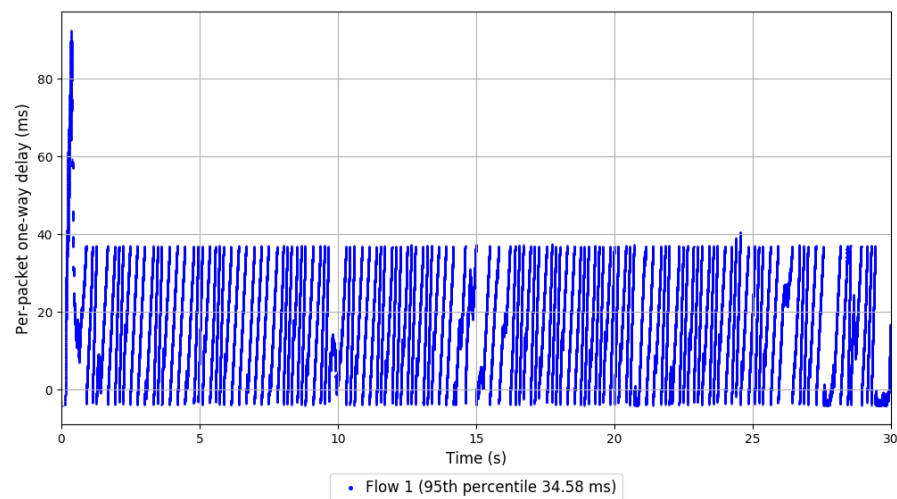
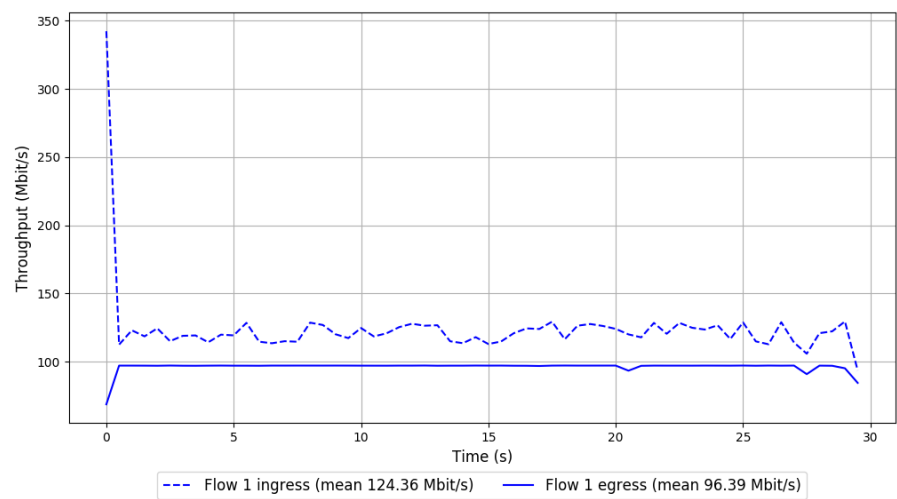


Run 6: Statistics of FillP

Start at: 2018-02-16 03:39:53
End at: 2018-02-16 03:40:23
Local clock offset: -11.693 ms
Remote clock offset: -23.227 ms

Below is generated by plot.py at 2018-02-16 06:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 34.581 ms
Loss rate: 22.44%
-- Flow 1:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 34.581 ms
Loss rate: 22.44%

Run 6: Report of FillP — Data Link

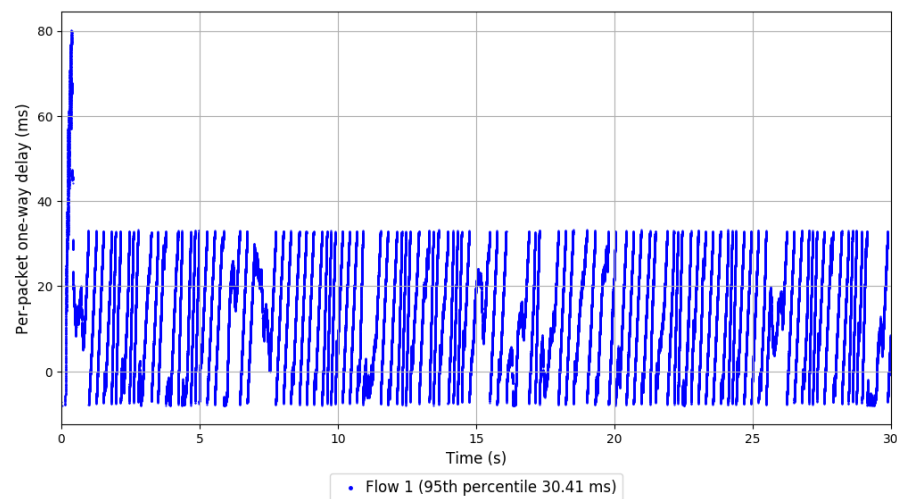
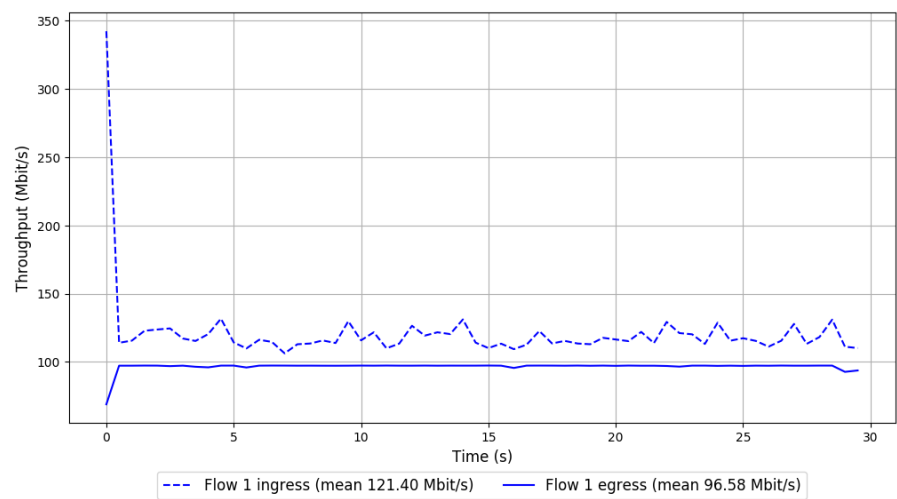


Run 7: Statistics of FillP

Start at: 2018-02-16 04:02:00
End at: 2018-02-16 04:02:30
Local clock offset: -12.886 ms
Remote clock offset: -28.076 ms

Below is generated by plot.py at 2018-02-16 06:16:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 30.406 ms
Loss rate: 20.40%
-- Flow 1:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 30.406 ms
Loss rate: 20.40%

Run 7: Report of FillP — Data Link

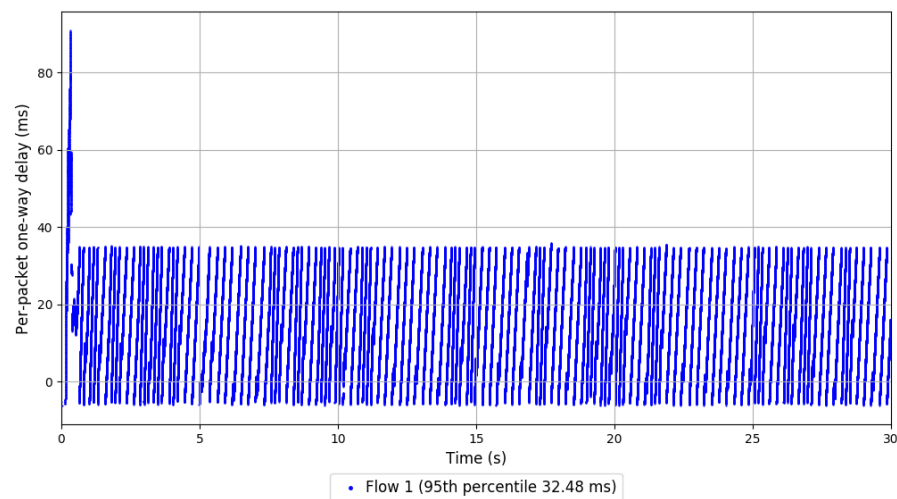
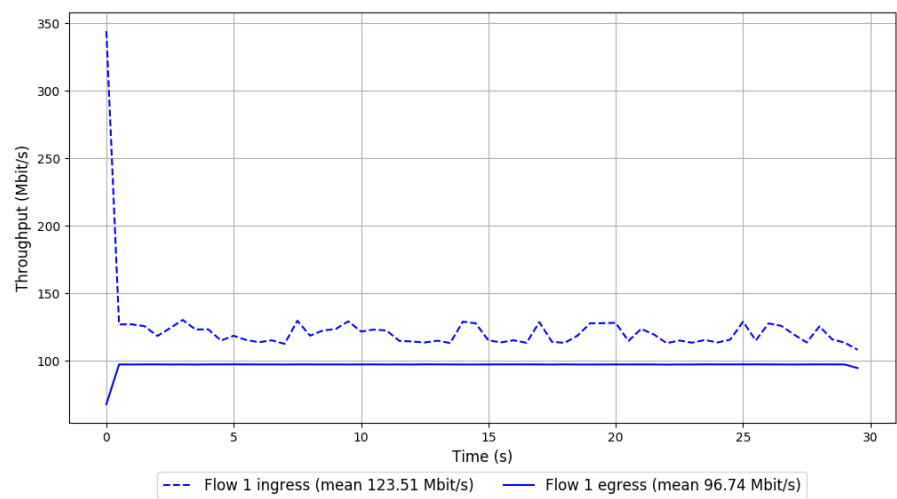


Run 8: Statistics of FillP

Start at: 2018-02-16 04:24:26
End at: 2018-02-16 04:24:56
Local clock offset: -10.931 ms
Remote clock offset: -24.666 ms

Below is generated by plot.py at 2018-02-16 06:16:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 32.479 ms
Loss rate: 21.62%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 32.479 ms
Loss rate: 21.62%

Run 8: Report of FillP — Data Link

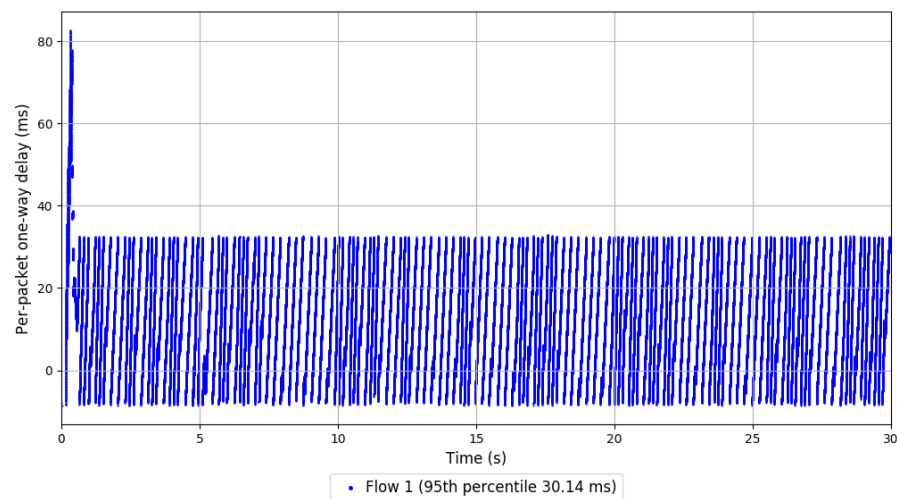
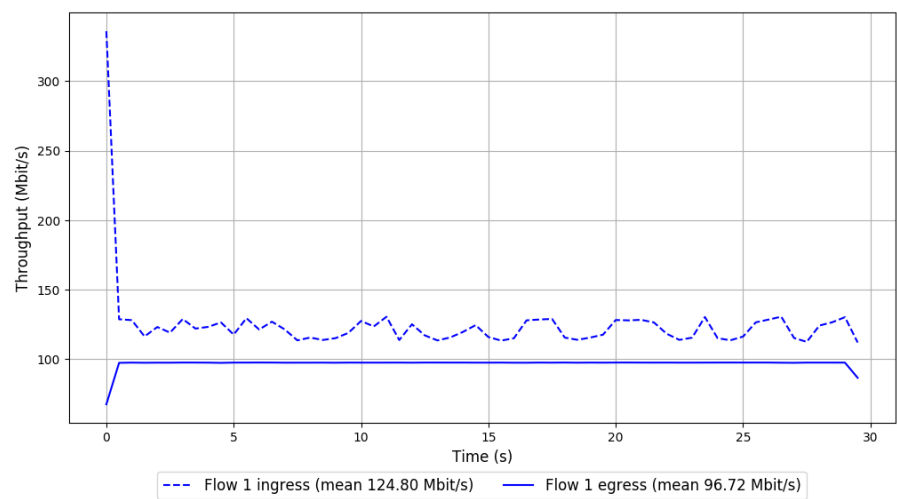


Run 9: Statistics of FillP

Start at: 2018-02-16 04:46:52
End at: 2018-02-16 04:47:22
Local clock offset: -11.052 ms
Remote clock offset: -23.654 ms

Below is generated by plot.py at 2018-02-16 06:17:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 30.139 ms
Loss rate: 22.49%
-- Flow 1:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 30.139 ms
Loss rate: 22.49%

Run 9: Report of FillP — Data Link

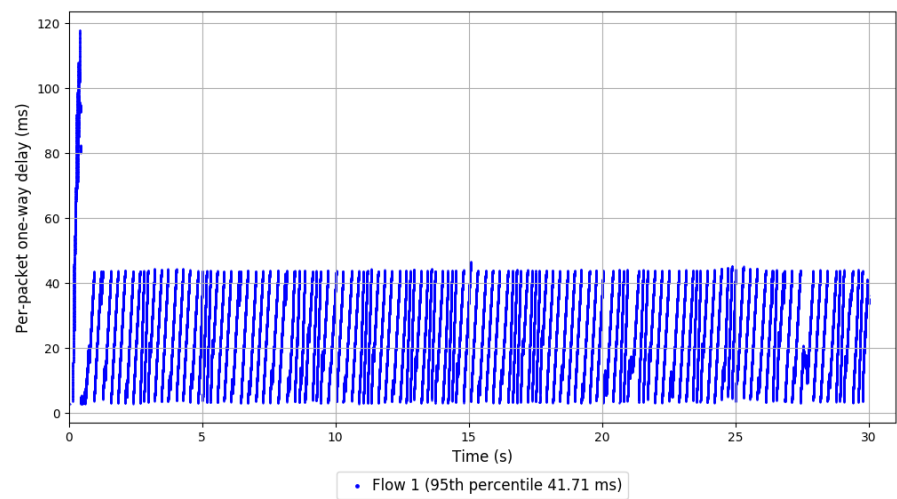
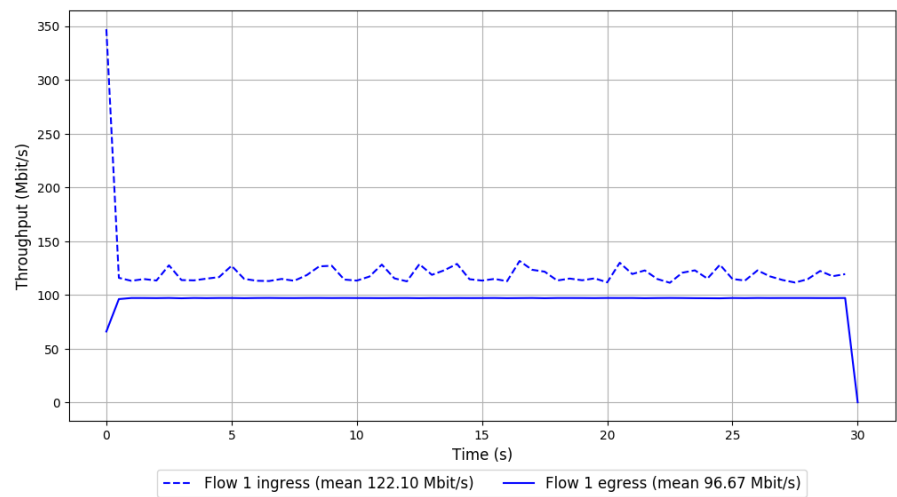


Run 10: Statistics of FillP

Start at: 2018-02-16 05:09:14
End at: 2018-02-16 05:09:44
Local clock offset: -20.659 ms
Remote clock offset: -20.841 ms

Below is generated by plot.py at 2018-02-16 06:17:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 41.714 ms
Loss rate: 20.73%
-- Flow 1:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 41.714 ms
Loss rate: 20.73%

Run 10: Report of FillP — Data Link

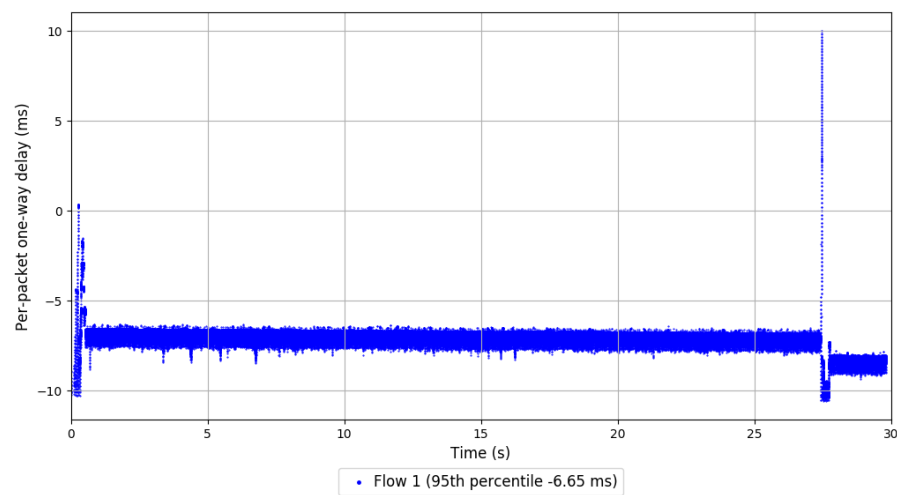
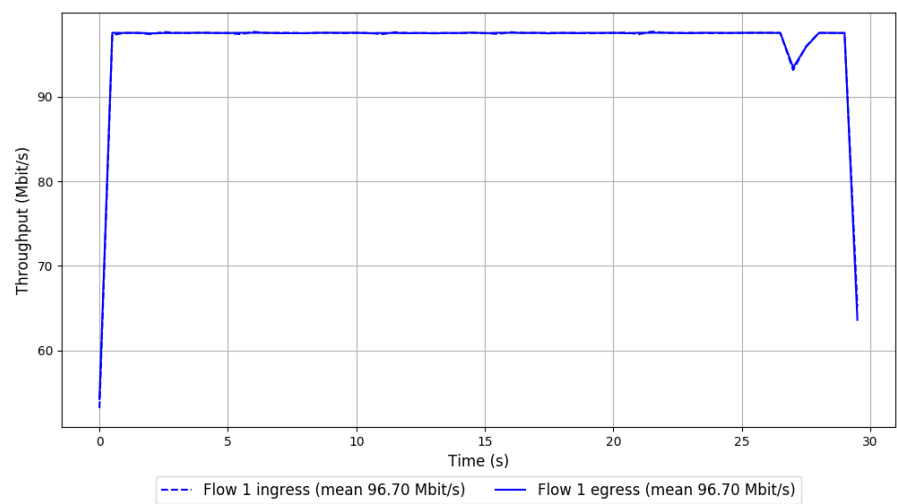


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 01:44:27
End at: 2018-02-16 01:44:57
Local clock offset: -3.647 ms
Remote clock offset: -21.432 ms

# Below is generated by plot.py at 2018-02-16 06:17:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: -6.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: -6.650 ms
Loss rate: 0.00%
```

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

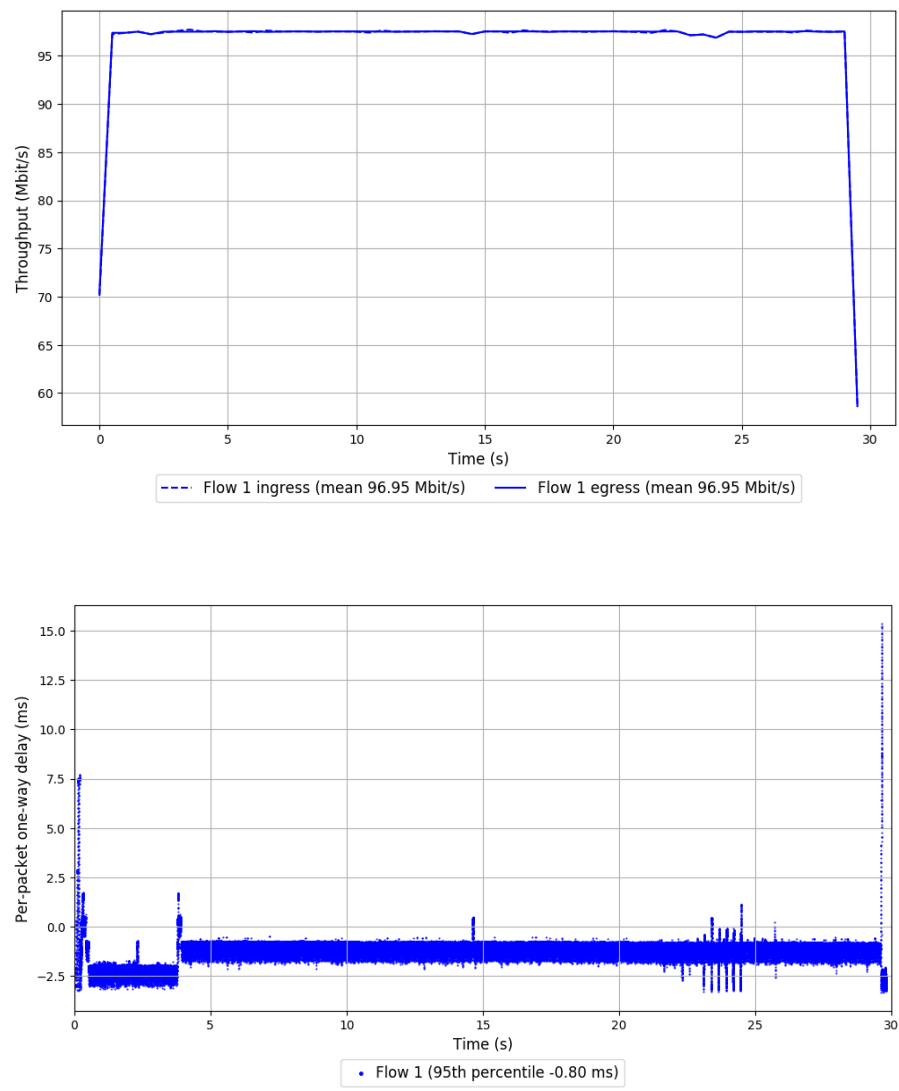


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 02:06:36
End at: 2018-02-16 02:07:06
Local clock offset: -15.057 ms
Remote clock offset: -19.952 ms

Below is generated by plot.py at 2018-02-16 06:17:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: -0.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: -0.796 ms
Loss rate: 0.00%

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

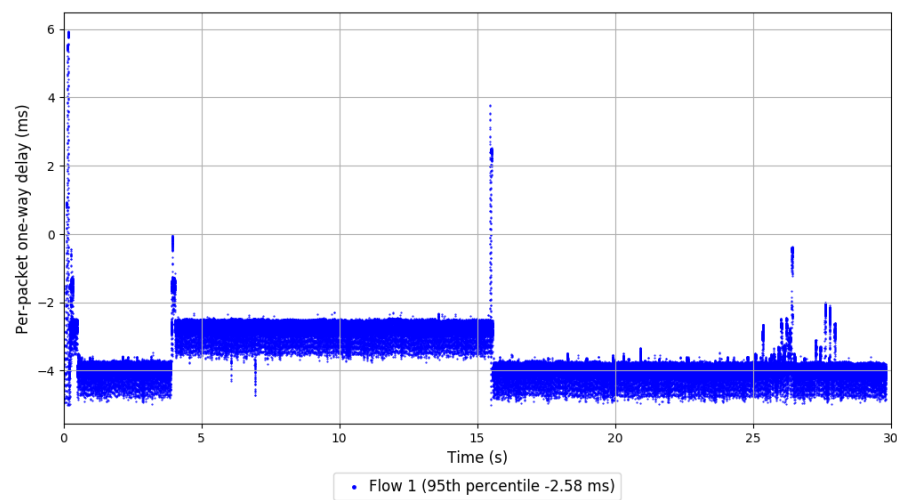
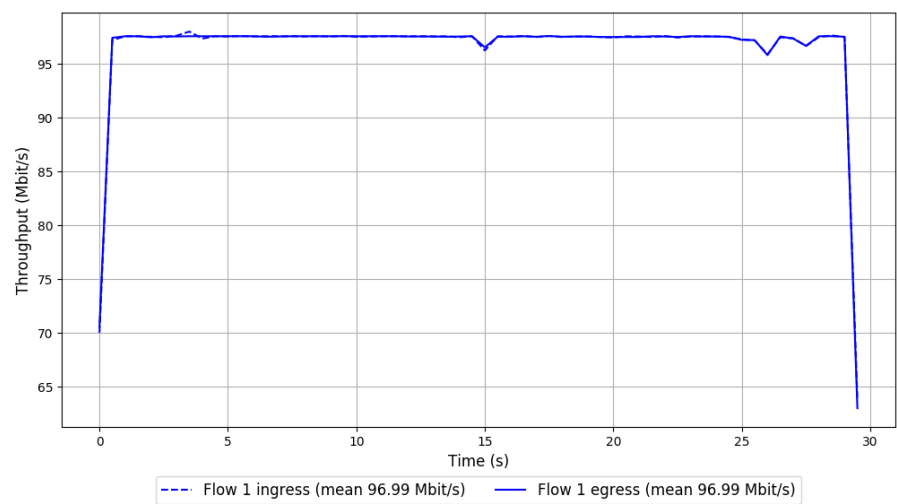


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 02:28:04
End at: 2018-02-16 02:28:34
Local clock offset: -14.181 ms
Remote clock offset: -18.996 ms

Below is generated by plot.py at 2018-02-16 06:17:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: -2.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: -2.580 ms
Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 02:49:46

End at: 2018-02-16 02:50:16

Local clock offset: -12.09 ms

Remote clock offset: -20.285 ms

Below is generated by plot.py at 2018-02-16 06:17:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: -5.787 ms

Loss rate: 0.00%

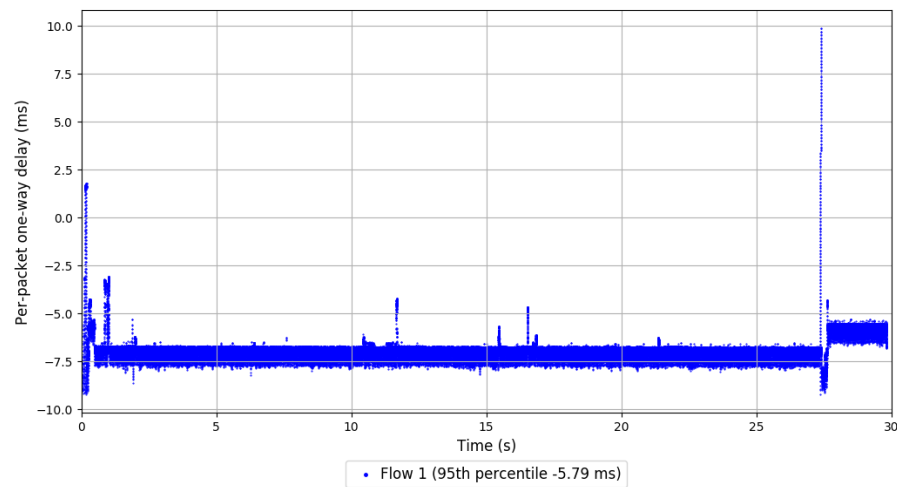
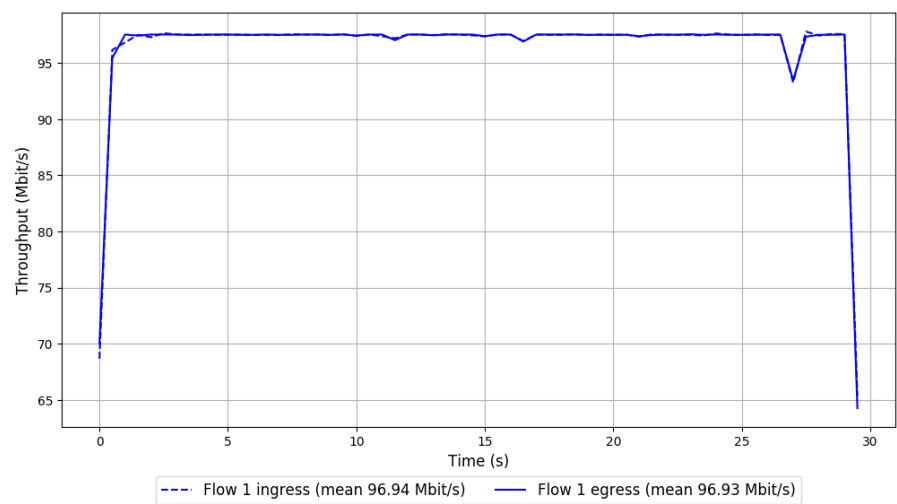
-- Flow 1:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: -5.787 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 03:11:26

End at: 2018-02-16 03:11:56

Local clock offset: -3.497 ms

Remote clock offset: -19.168 ms

Below is generated by plot.py at 2018-02-16 06:18:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: -5.958 ms

Loss rate: 0.16%

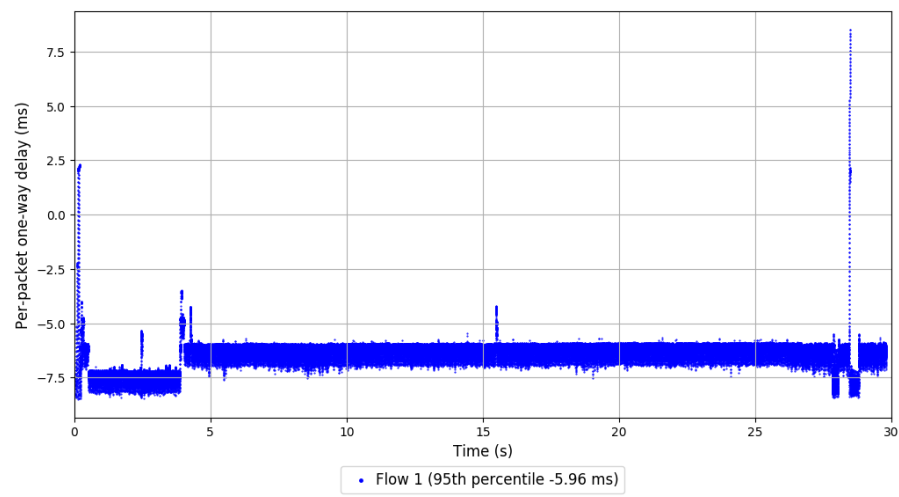
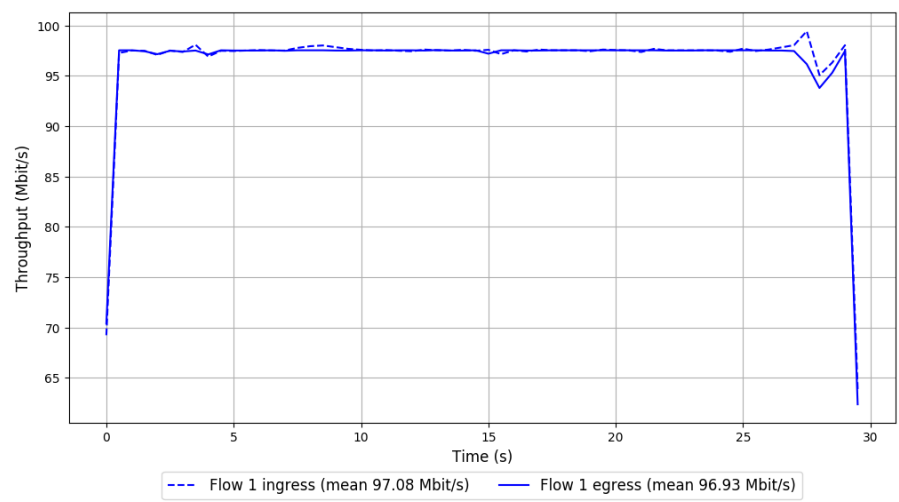
-- Flow 1:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: -5.958 ms

Loss rate: 0.16%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 03:33:32

End at: 2018-02-16 03:34:02

Local clock offset: -8.895 ms

Remote clock offset: -23.023 ms

Below is generated by plot.py at 2018-02-16 06:18:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.85 Mbit/s

95th percentile per-packet one-way delay: -2.877 ms

Loss rate: 0.04%

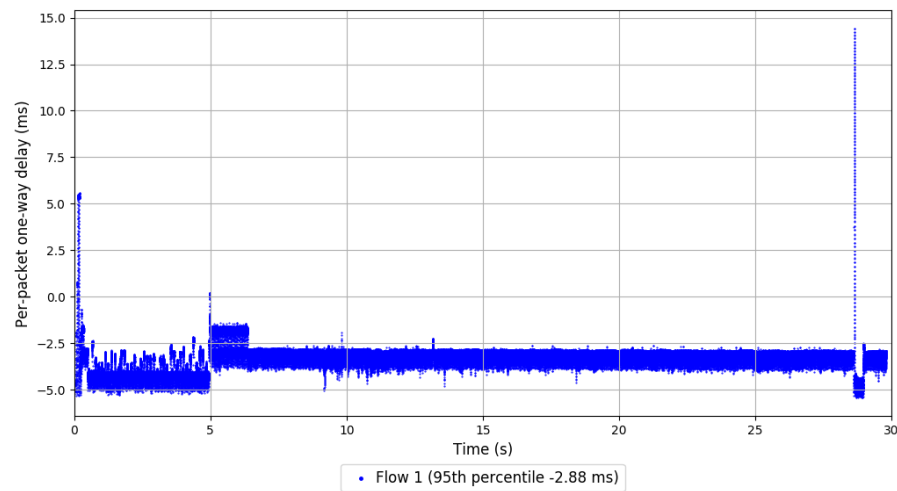
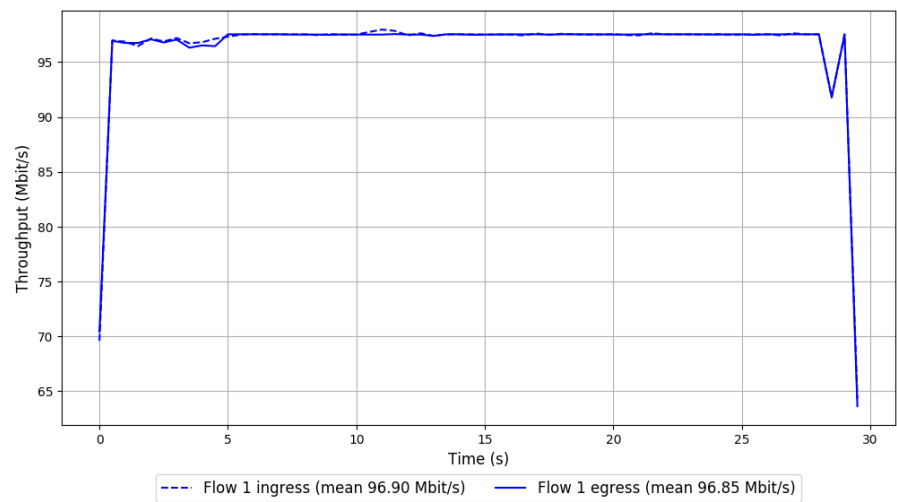
-- Flow 1:

Average throughput: 96.85 Mbit/s

95th percentile per-packet one-way delay: -2.877 ms

Loss rate: 0.04%

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

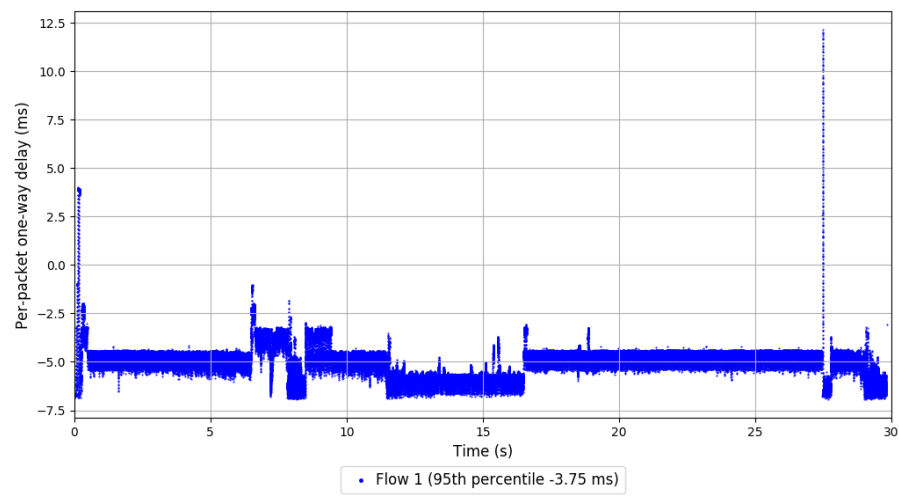
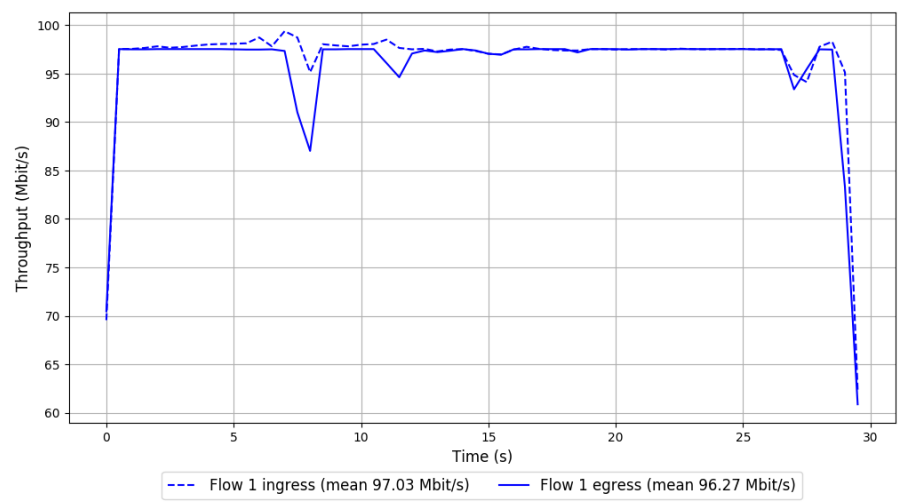


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 03:55:46
End at: 2018-02-16 03:56:16
Local clock offset: -10.811 ms
Remote clock offset: -24.547 ms

Below is generated by plot.py at 2018-02-16 06:18:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: -3.751 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: -3.751 ms
Loss rate: 0.78%

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

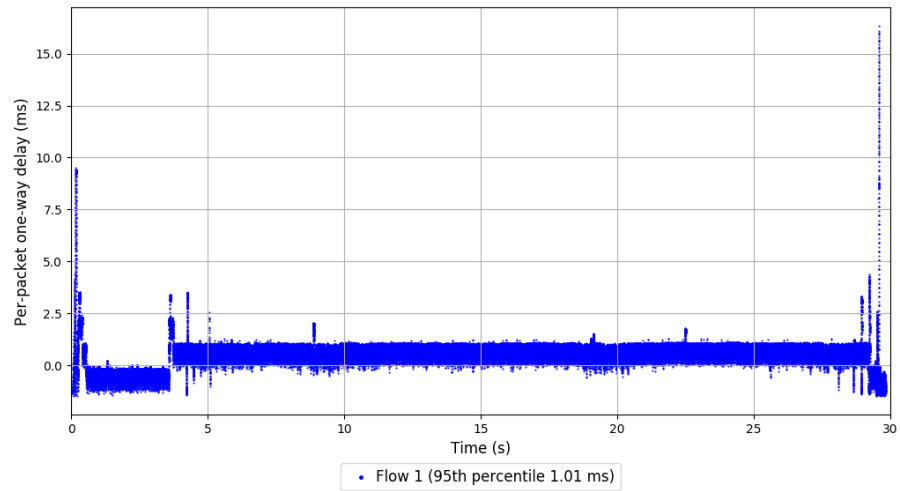
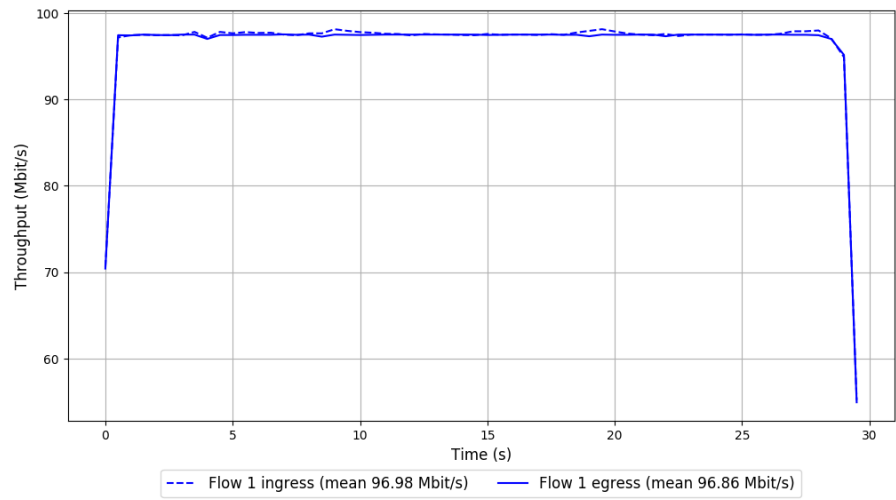


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 04:18:00
End at: 2018-02-16 04:18:30
Local clock offset: -14.912 ms
Remote clock offset: -25.159 ms

Below is generated by plot.py at 2018-02-16 06:18:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.13%

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

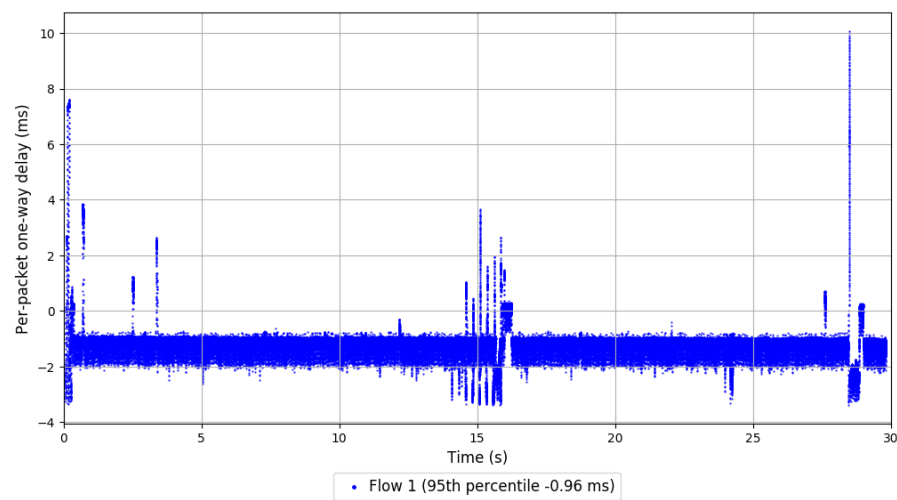
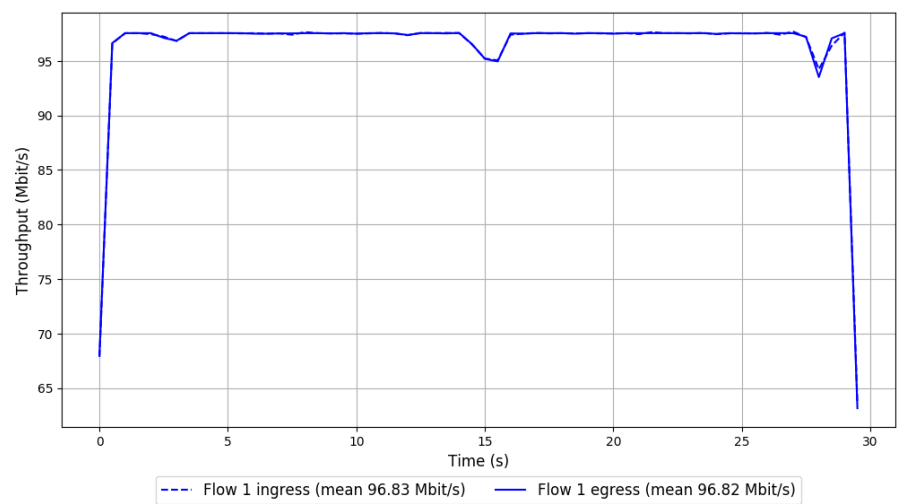


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 04:40:33
End at: 2018-02-16 04:41:03
Local clock offset: -13.202 ms
Remote clock offset: -20.844 ms

Below is generated by plot.py at 2018-02-16 06:18:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: -0.958 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: -0.958 ms
Loss rate: 0.01%

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

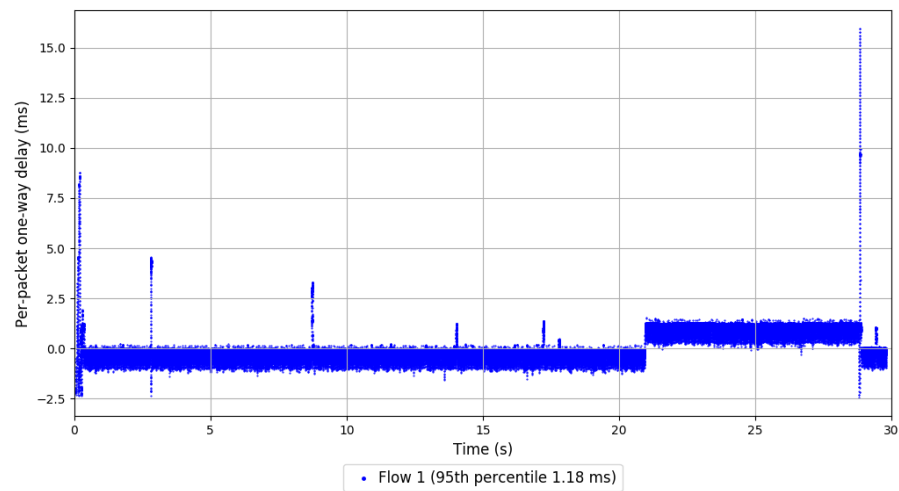
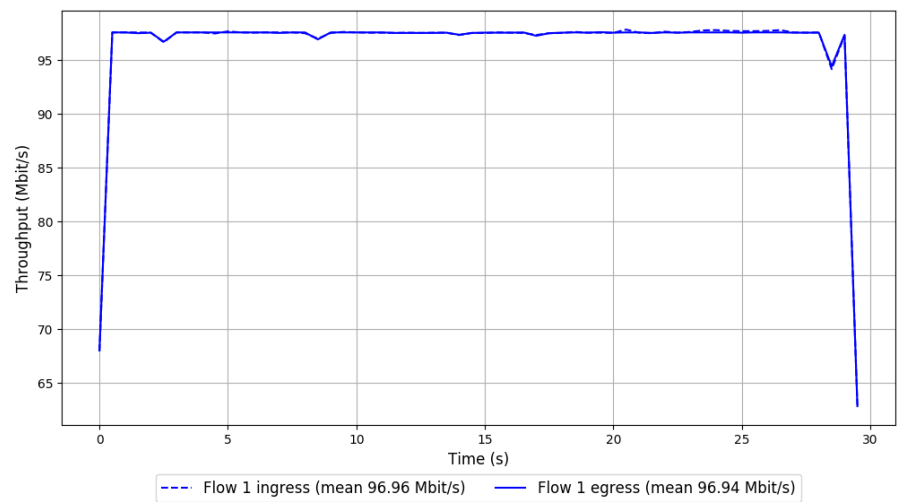


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 05:02:59
End at: 2018-02-16 05:03:29
Local clock offset: -18.199 ms
Remote clock offset: -23.596 ms

Below is generated by plot.py at 2018-02-16 06:18:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.02%

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

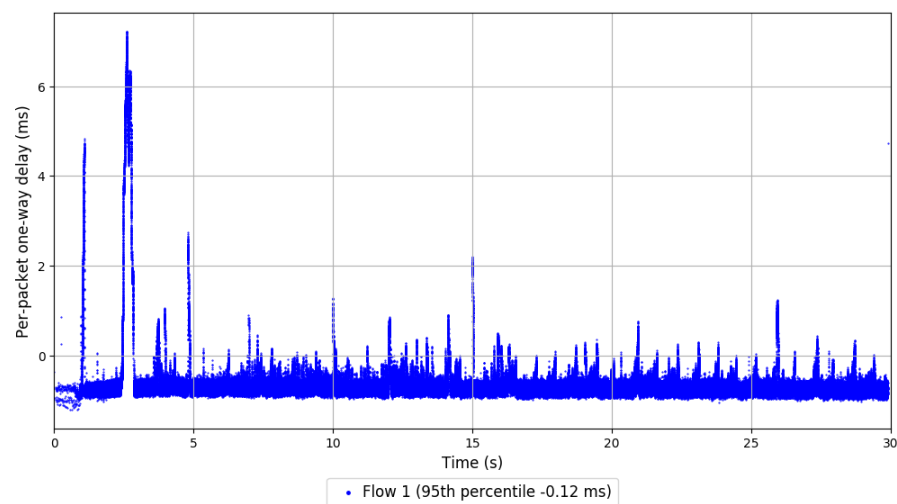
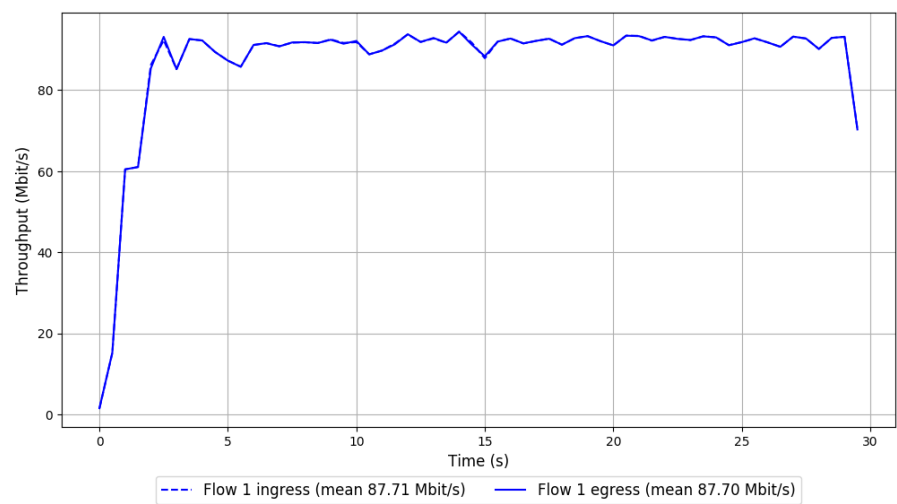


Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 01:55:44
End at: 2018-02-16 01:56:14
Local clock offset: -15.171 ms
Remote clock offset: -19.749 ms

Below is generated by plot.py at 2018-02-16 06:18:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: -0.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: -0.125 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

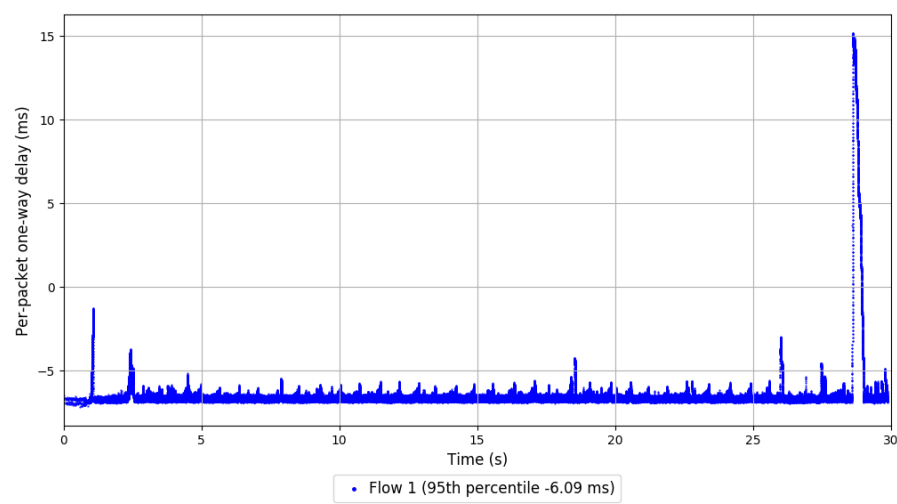
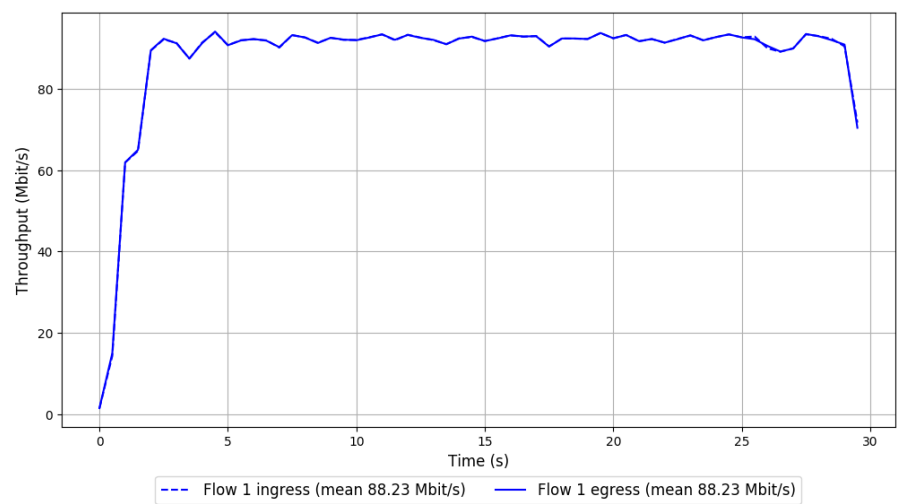


Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 02:17:28
End at: 2018-02-16 02:17:58
Local clock offset: -12.701 ms
Remote clock offset: -19.354 ms

Below is generated by plot.py at 2018-02-16 06:18:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: -6.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: -6.090 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

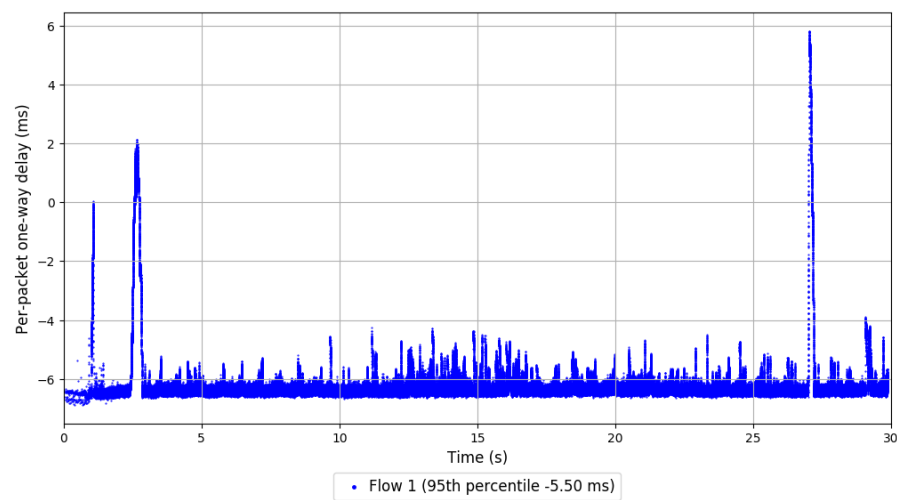
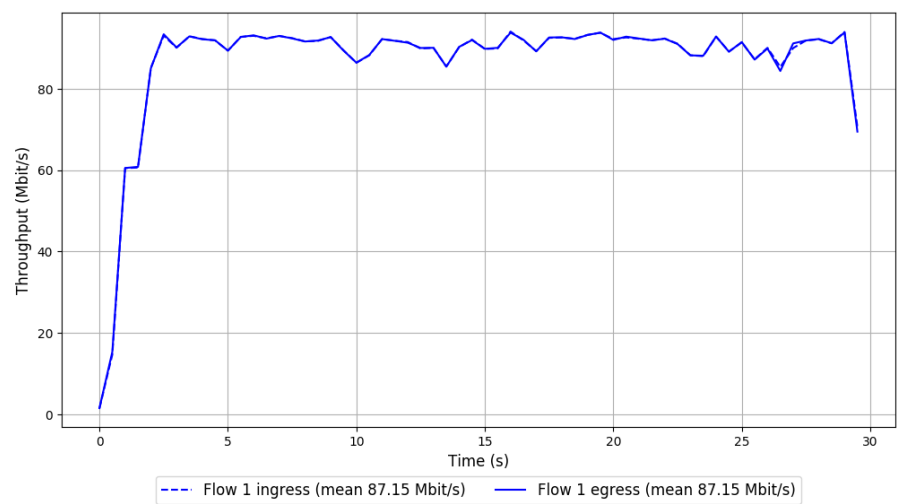


Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 02:39:05
End at: 2018-02-16 02:39:35
Local clock offset: -13.268 ms
Remote clock offset: -18.988 ms

Below is generated by plot.py at 2018-02-16 06:19:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: -5.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: -5.504 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link

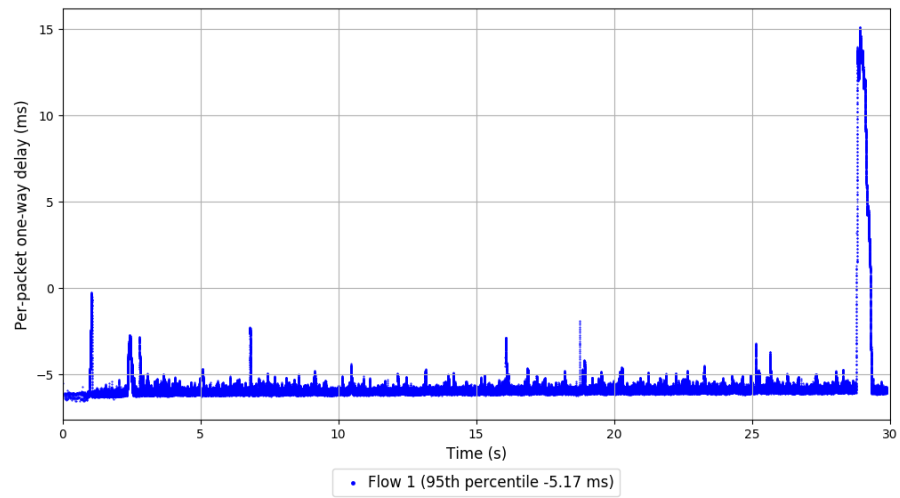
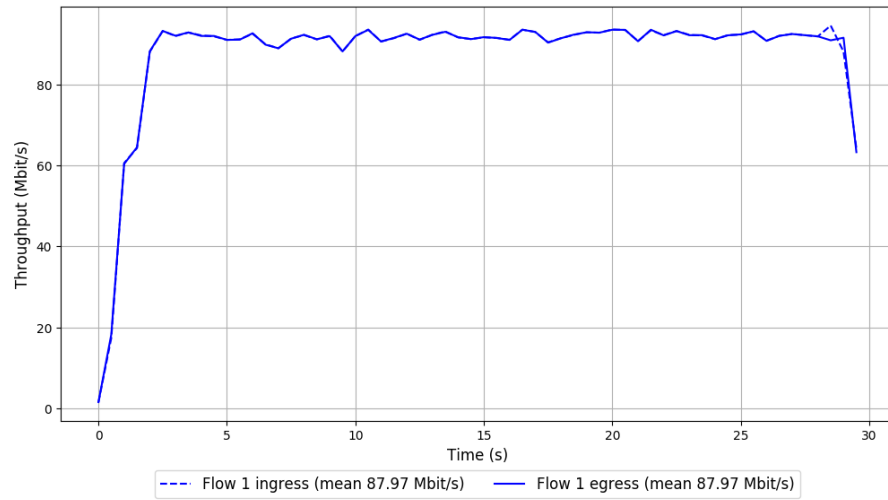


Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 03:00:36
End at: 2018-02-16 03:01:06
Local clock offset: -7.224 ms
Remote clock offset: -18.014 ms

Below is generated by plot.py at 2018-02-16 06:19:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: -5.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: -5.171 ms
Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

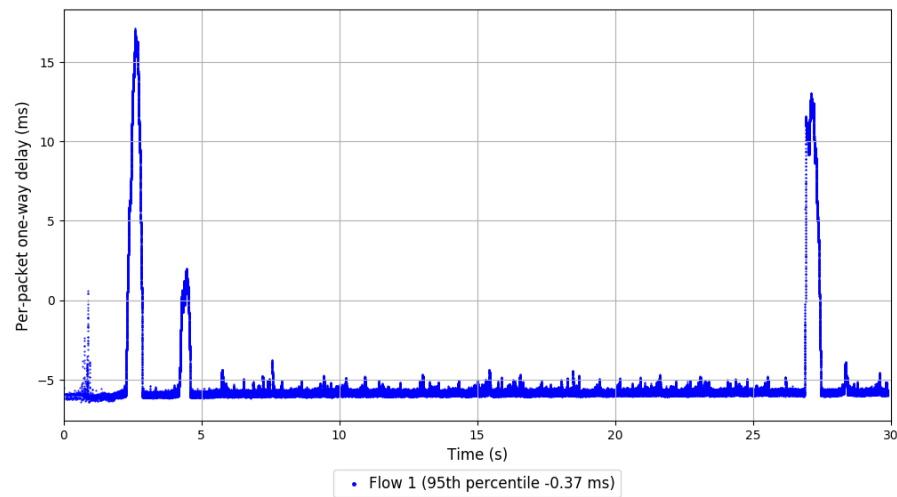
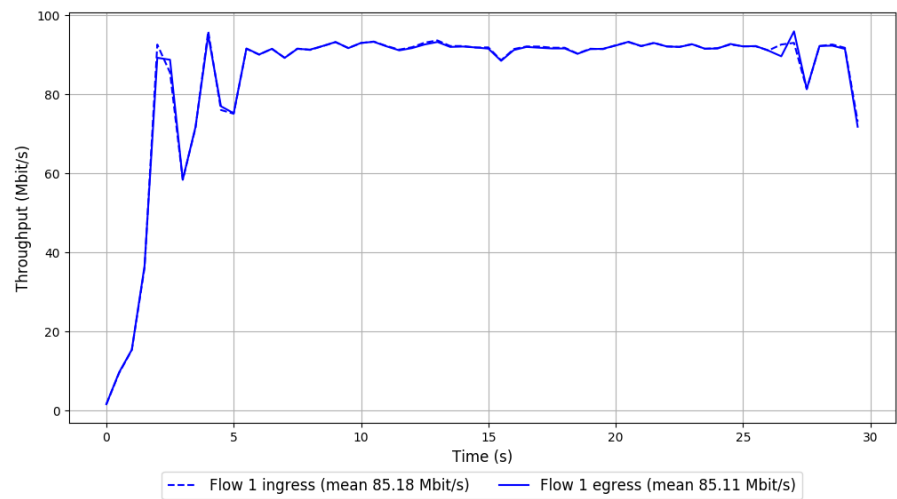


Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 03:22:34
End at: 2018-02-16 03:23:04
Local clock offset: -6.101 ms
Remote clock offset: -24.014 ms

Below is generated by plot.py at 2018-02-16 06:19:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: -0.366 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: -0.366 ms
Loss rate: 0.08%

Run 5: Report of Vivace-latency — Data Link

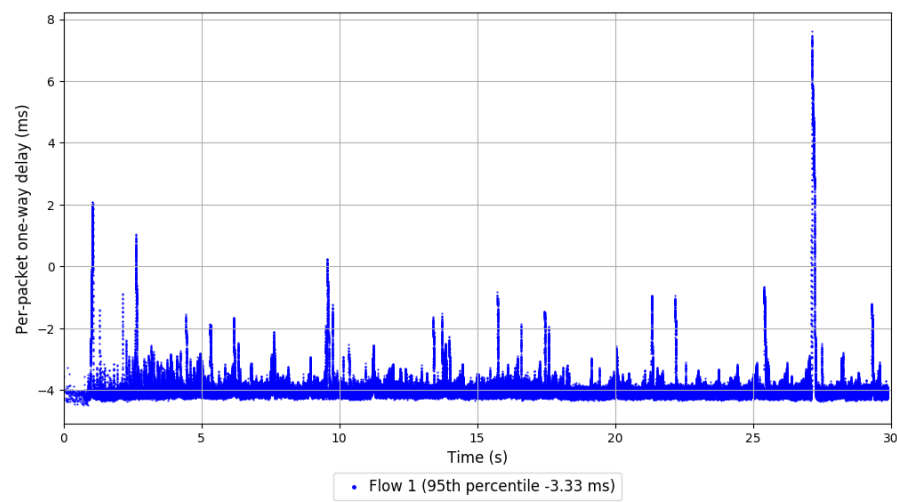
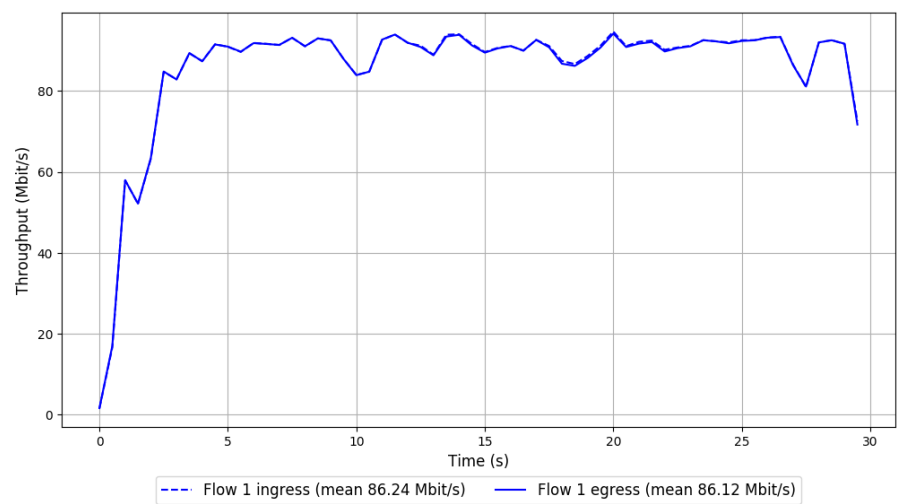


Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 03:45:00
End at: 2018-02-16 03:45:30
Local clock offset: -12.455 ms
Remote clock offset: -23.861 ms

Below is generated by plot.py at 2018-02-16 06:19:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: -3.332 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: -3.332 ms
Loss rate: 0.14%

Run 6: Report of Vivace-latency — Data Link

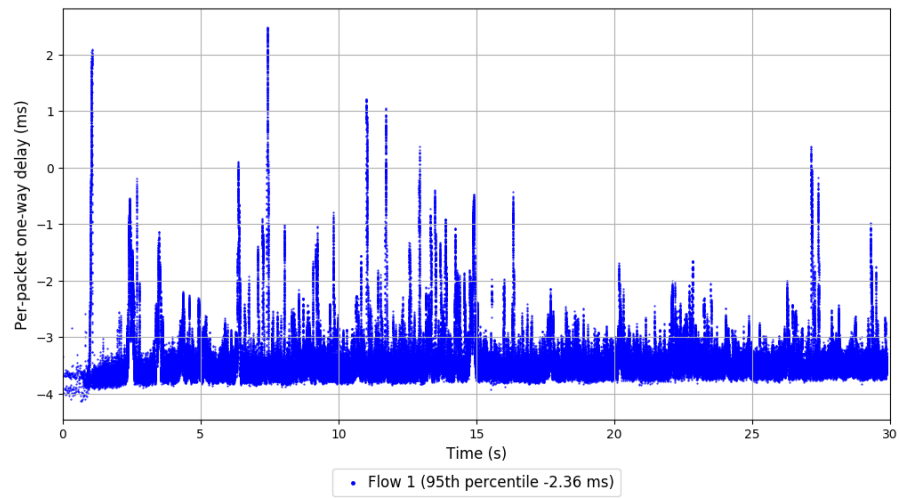
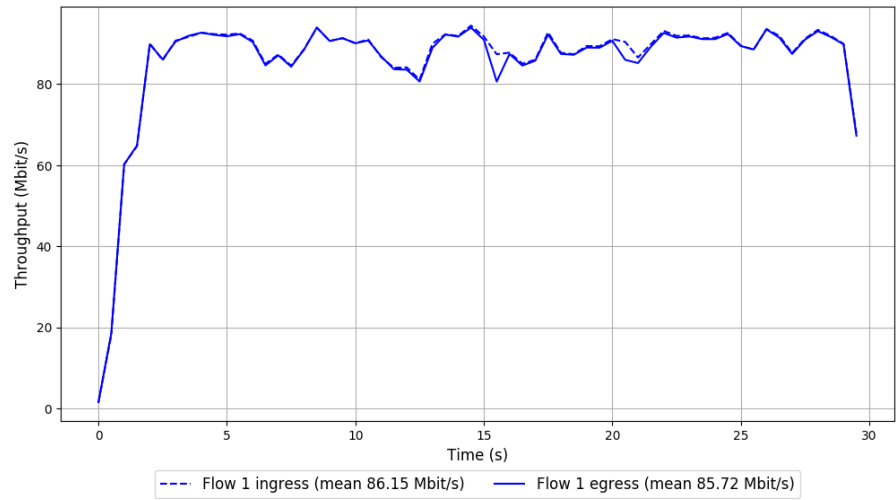


Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 04:07:03
End at: 2018-02-16 04:07:34
Local clock offset: -13.311 ms
Remote clock offset: -25.187 ms

Below is generated by plot.py at 2018-02-16 06:19:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: -2.357 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: -2.357 ms
Loss rate: 0.50%

Run 7: Report of Vivace-latency — Data Link

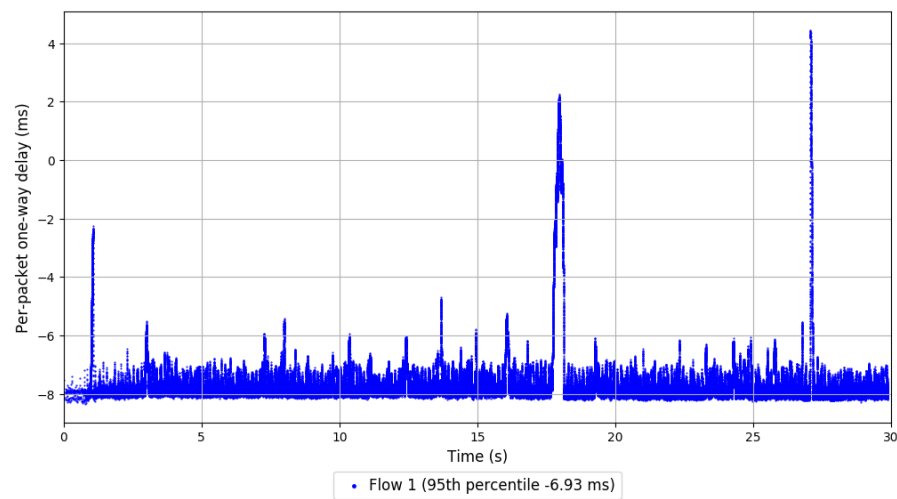
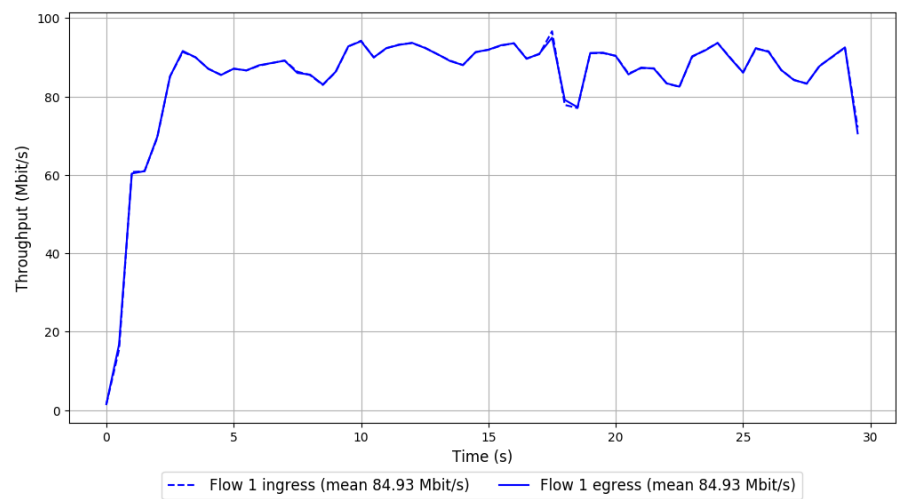


Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 04:29:24
End at: 2018-02-16 04:29:54
Local clock offset: -10.735 ms
Remote clock offset: -25.039 ms

Below is generated by plot.py at 2018-02-16 06:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: -6.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: -6.927 ms
Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

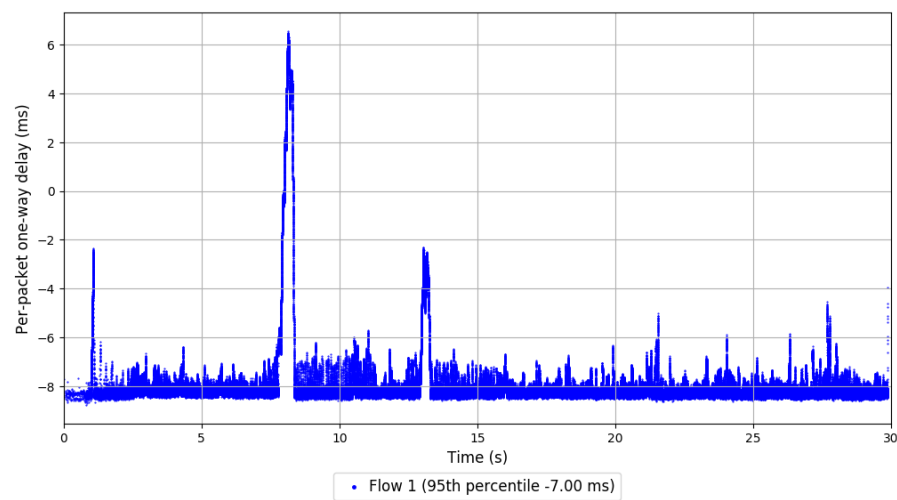
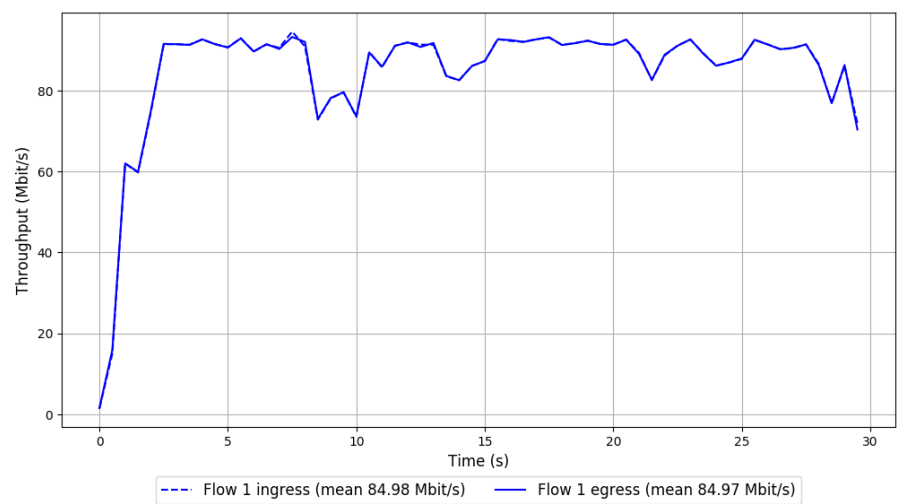


Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 04:51:51
End at: 2018-02-16 04:52:21
Local clock offset: -10.833 ms
Remote clock offset: -22.911 ms

Below is generated by plot.py at 2018-02-16 06:19:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: -6.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: -6.995 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

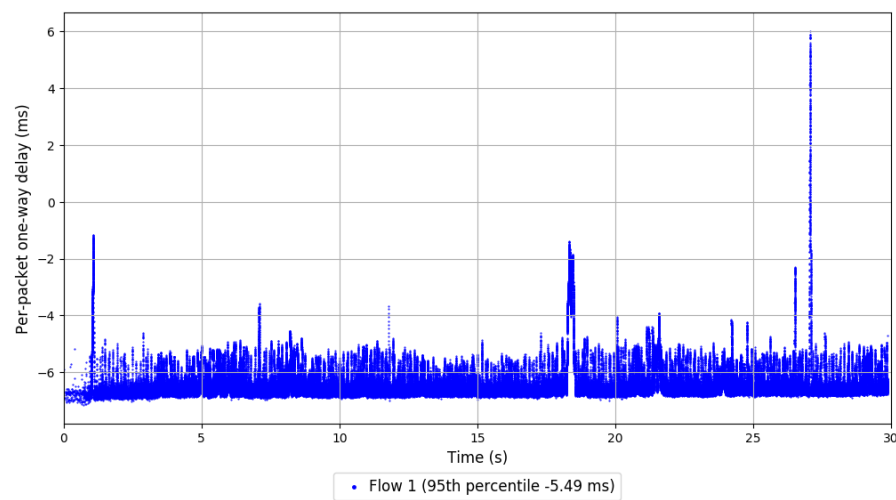
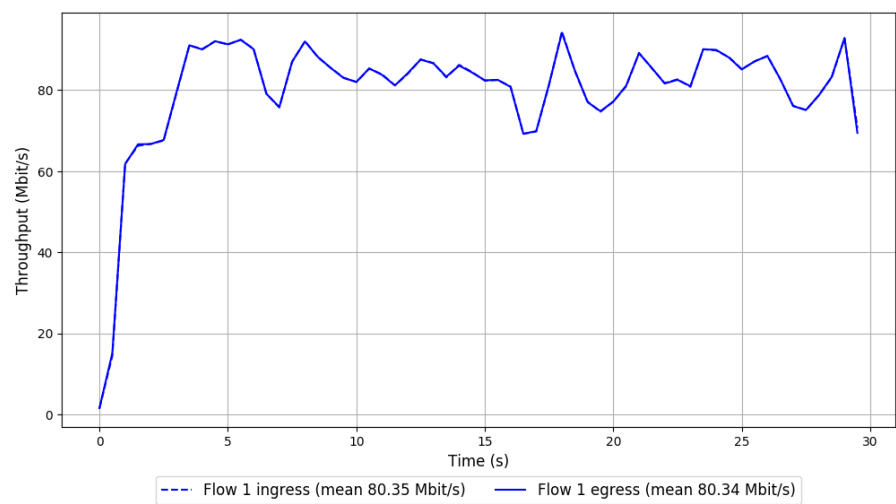


Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 05:14:12
End at: 2018-02-16 05:14:42
Local clock offset: -11.644 ms
Remote clock offset: -22.924 ms

Below is generated by plot.py at 2018-02-16 06:19:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: -5.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: -5.492 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

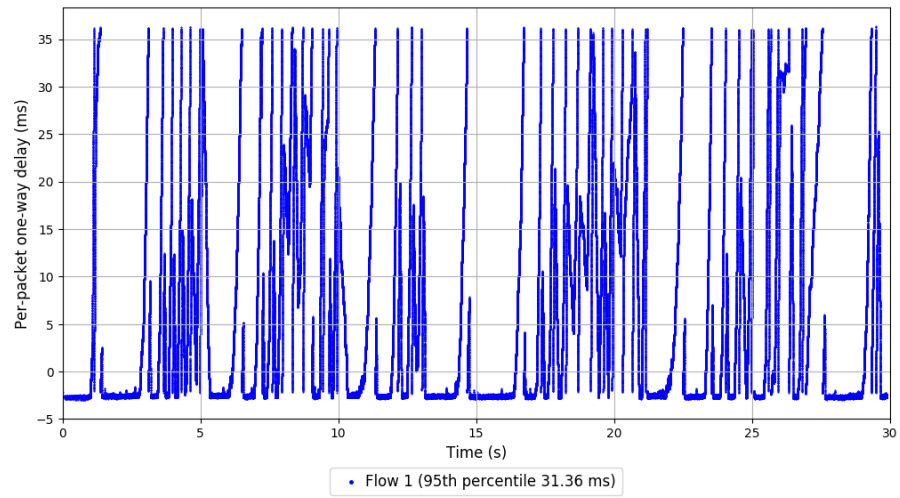
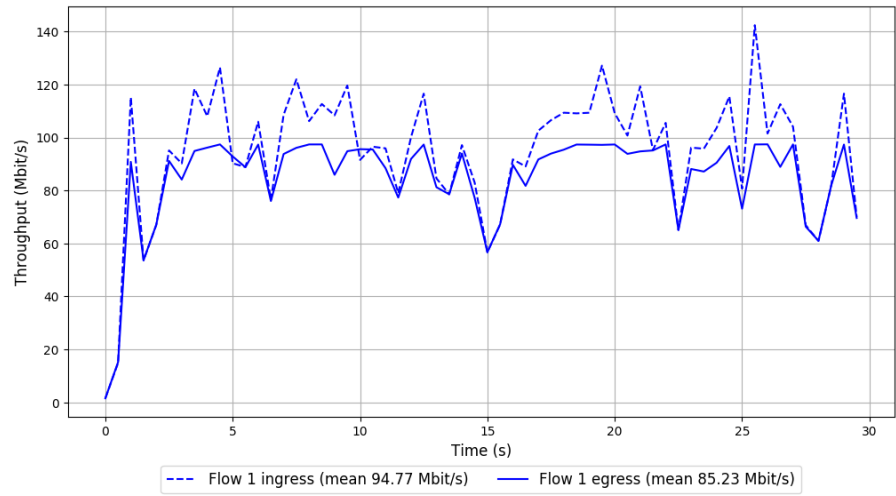


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 02:02:55
End at: 2018-02-16 02:03:25
Local clock offset: -15.216 ms
Remote clock offset: -20.427 ms

# Below is generated by plot.py at 2018-02-16 06:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 10.07%
-- Flow 1:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 10.07%
```

Run 1: Report of Vivace-loss — Data Link

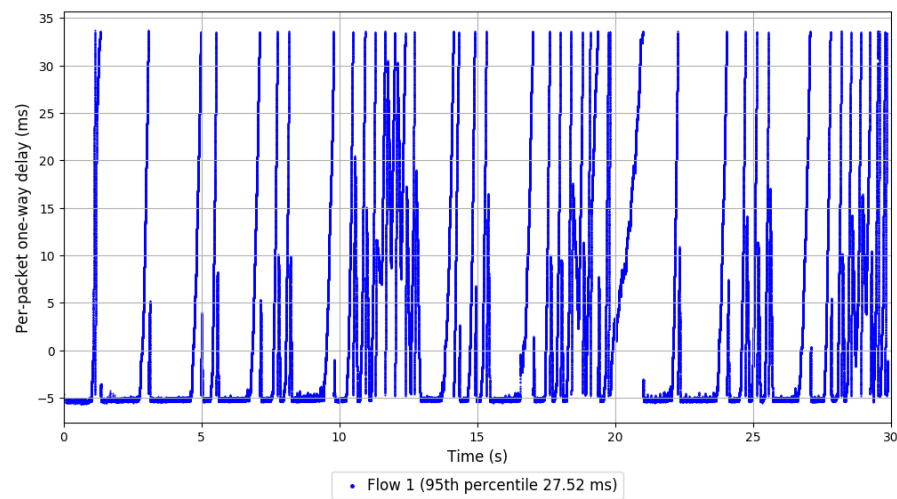
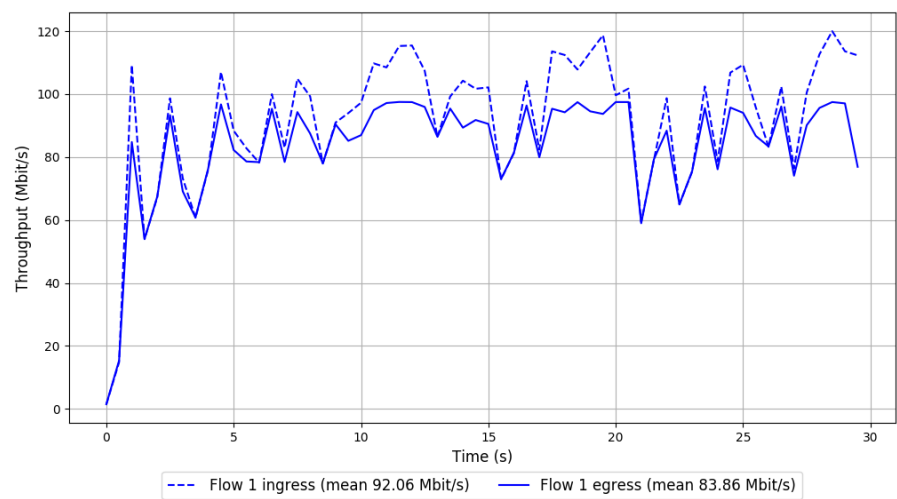


Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 02:24:26
End at: 2018-02-16 02:24:56
Local clock offset: -14.489 ms
Remote clock offset: -19.819 ms

Below is generated by plot.py at 2018-02-16 06:21:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 27.522 ms
Loss rate: 8.90%
-- Flow 1:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 27.522 ms
Loss rate: 8.90%

Run 2: Report of Vivace-loss — Data Link

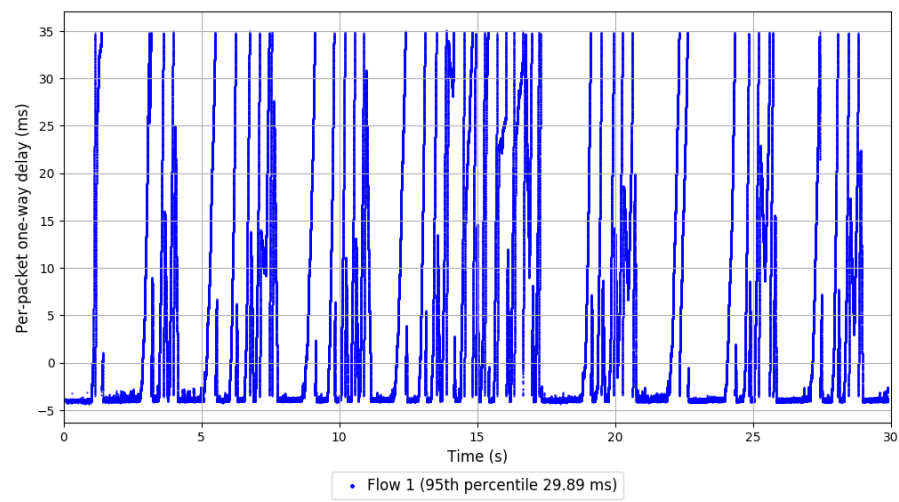
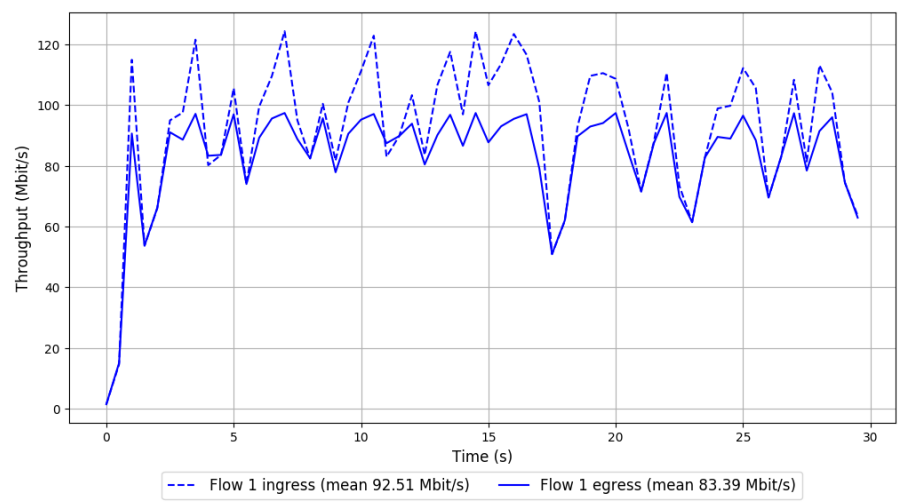


Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 02:46:05
End at: 2018-02-16 02:46:35
Local clock offset: -16.123 ms
Remote clock offset: -19.48 ms

Below is generated by plot.py at 2018-02-16 06:21:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.39 Mbit/s
95th percentile per-packet one-way delay: 29.892 ms
Loss rate: 9.86%
-- Flow 1:
Average throughput: 83.39 Mbit/s
95th percentile per-packet one-way delay: 29.892 ms
Loss rate: 9.86%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 03:07:46

End at: 2018-02-16 03:08:16

Local clock offset: -5.845 ms

Remote clock offset: -19.355 ms

Below is generated by plot.py at 2018-02-16 06:21:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.98 Mbit/s

95th percentile per-packet one-way delay: 25.473 ms

Loss rate: 8.42%

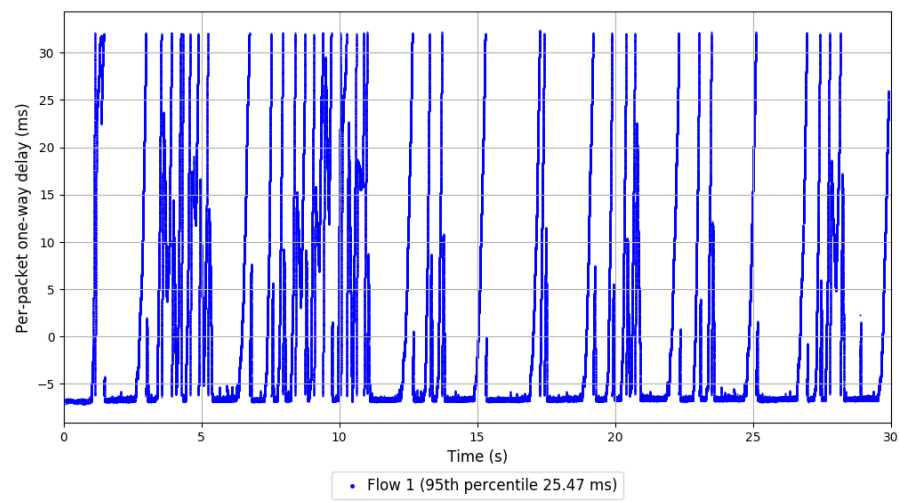
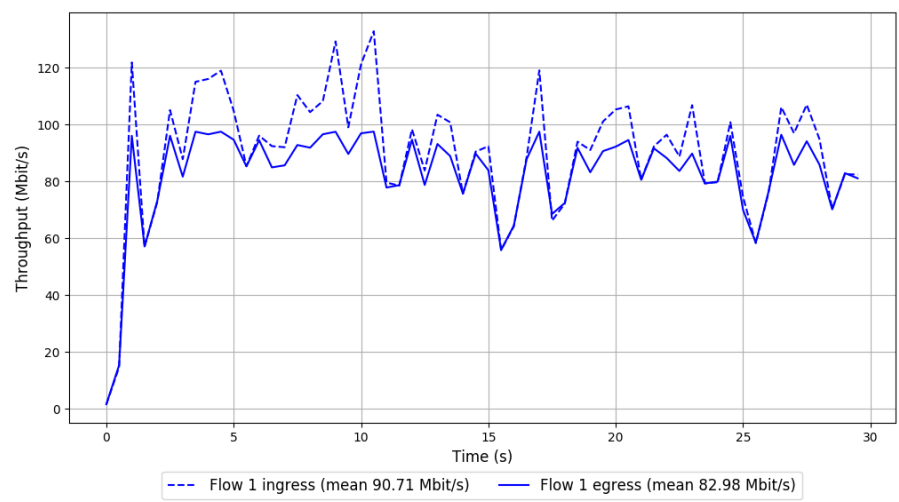
-- Flow 1:

Average throughput: 82.98 Mbit/s

95th percentile per-packet one-way delay: 25.473 ms

Loss rate: 8.42%

Run 4: Report of Vivace-loss — Data Link

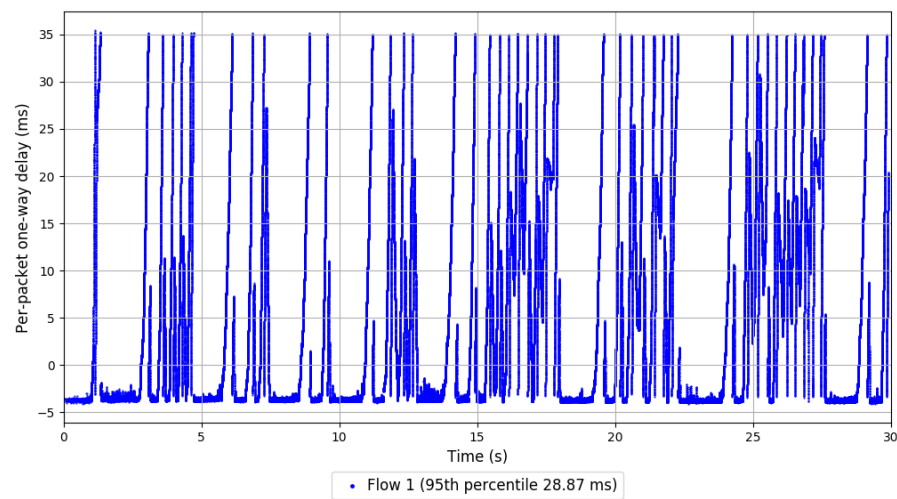
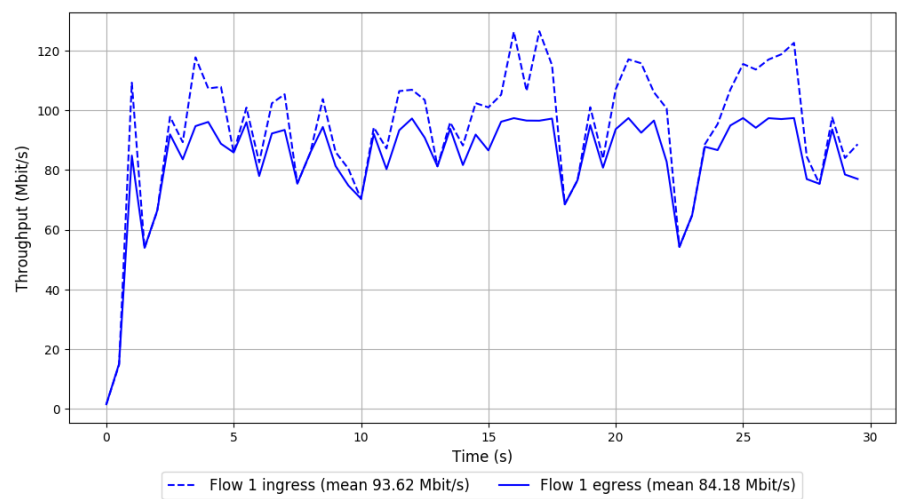


Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 03:29:44
End at: 2018-02-16 03:30:14
Local clock offset: -10.019 ms
Remote clock offset: -23.977 ms

Below is generated by plot.py at 2018-02-16 06:21:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 28.867 ms
Loss rate: 10.02%
-- Flow 1:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 28.867 ms
Loss rate: 10.02%

Run 5: Report of Vivace-loss — Data Link

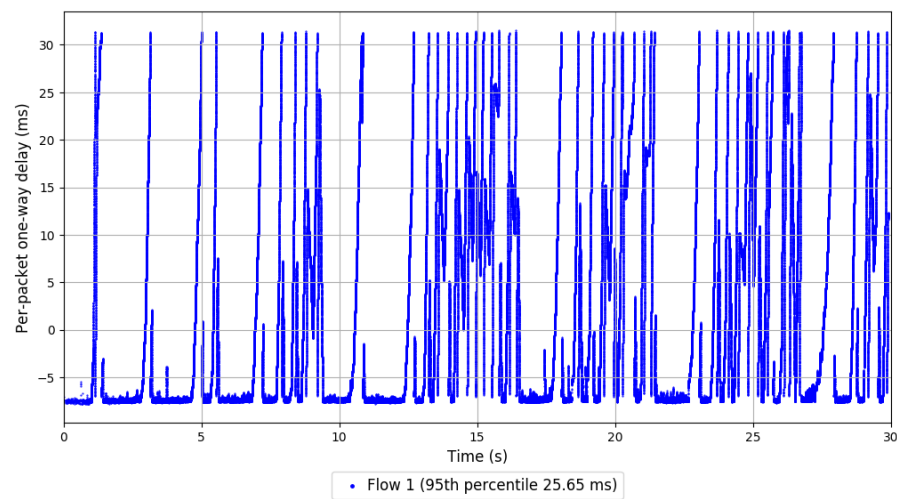
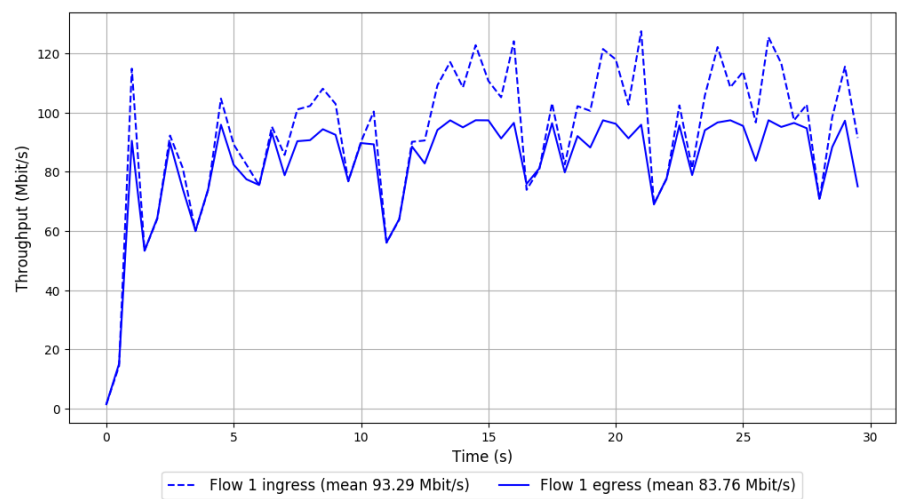


Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 03:52:05
End at: 2018-02-16 03:52:35
Local clock offset: -10.275 ms
Remote clock offset: -24.505 ms

Below is generated by plot.py at 2018-02-16 06:21:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 25.651 ms
Loss rate: 10.16%
-- Flow 1:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 25.651 ms
Loss rate: 10.16%

Run 6: Report of Vivace-loss — Data Link

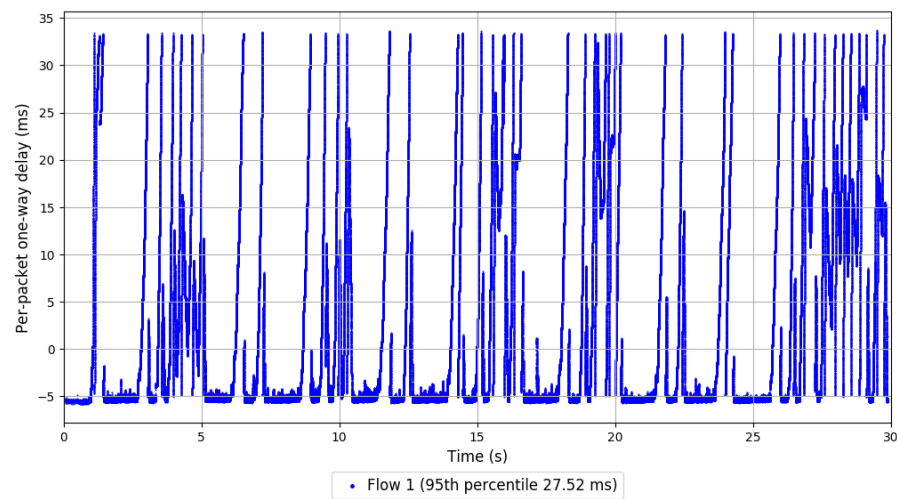
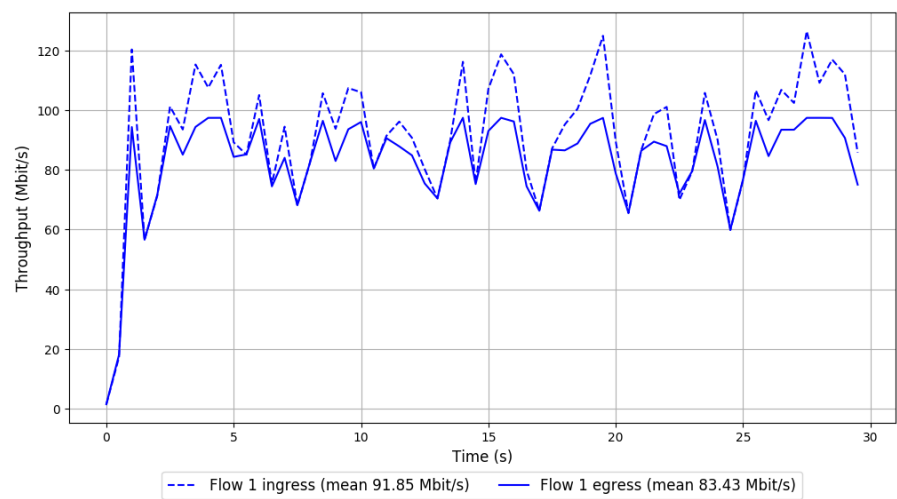


Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 04:14:14
End at: 2018-02-16 04:14:44
Local clock offset: -11.735 ms
Remote clock offset: -26.145 ms

Below is generated by plot.py at 2018-02-16 06:21:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 27.518 ms
Loss rate: 9.14%
-- Flow 1:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 27.518 ms
Loss rate: 9.14%

Run 7: Report of Vivace-loss — Data Link

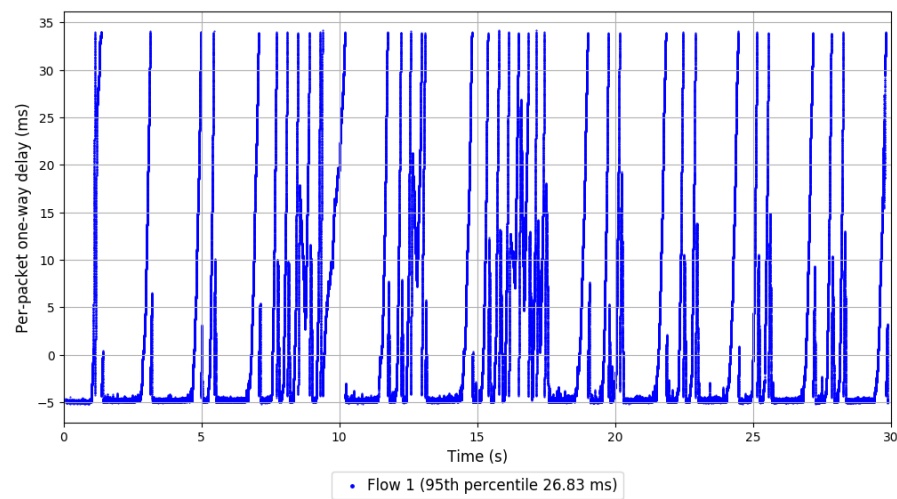
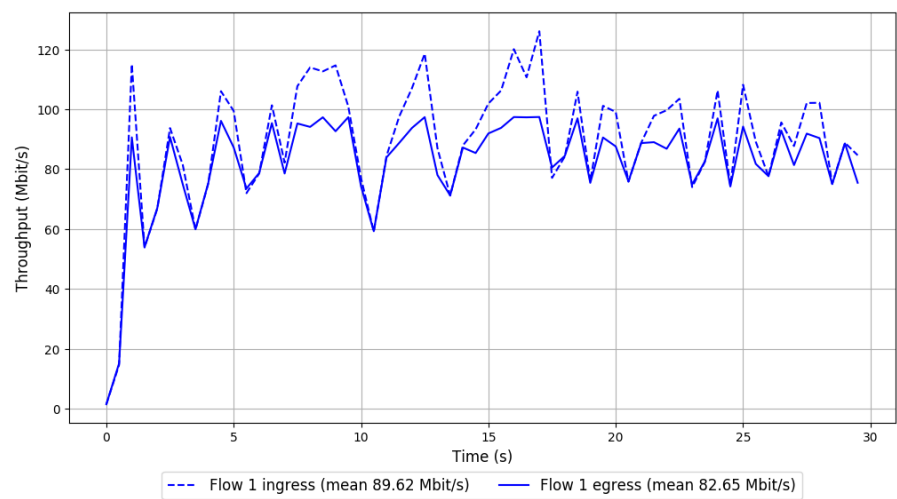


Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 04:36:41
End at: 2018-02-16 04:37:11
Local clock offset: -12.309 ms
Remote clock offset: -22.26 ms

Below is generated by plot.py at 2018-02-16 06:21:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.65 Mbit/s
95th percentile per-packet one-way delay: 26.828 ms
Loss rate: 7.78%
-- Flow 1:
Average throughput: 82.65 Mbit/s
95th percentile per-packet one-way delay: 26.828 ms
Loss rate: 7.78%

Run 8: Report of Vivace-loss — Data Link

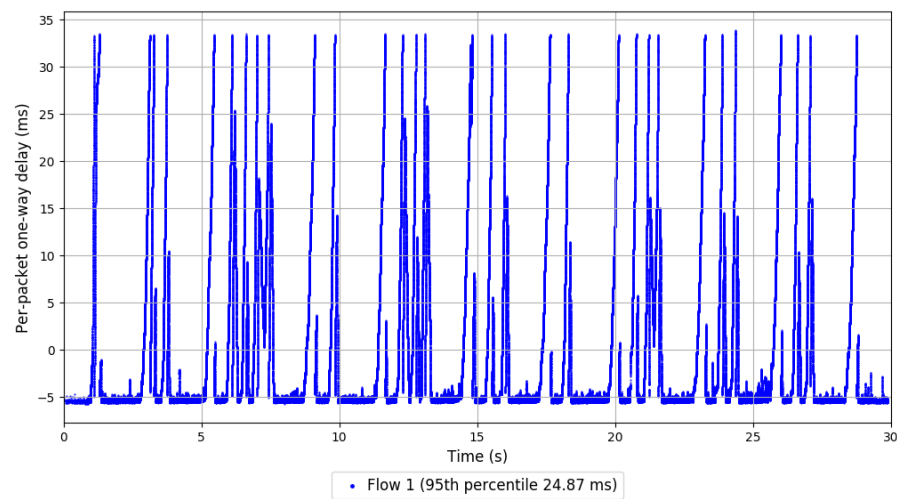
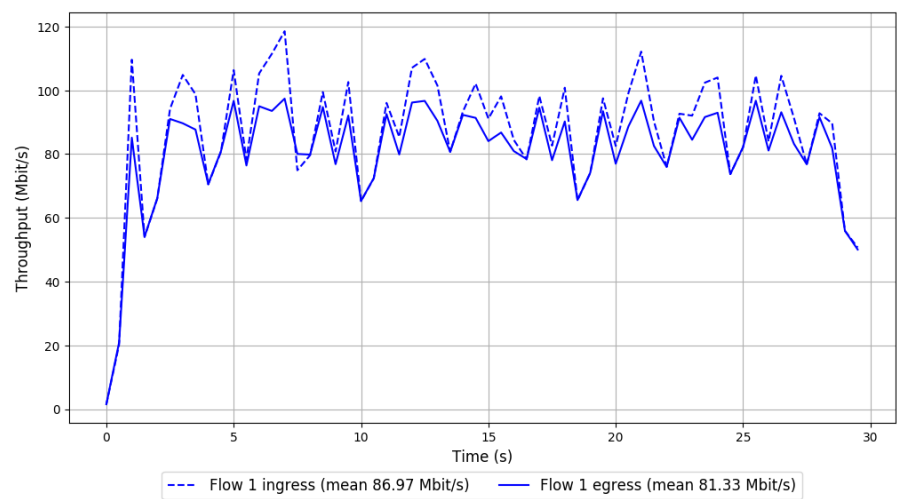


Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 04:59:07
End at: 2018-02-16 04:59:37
Local clock offset: -11.94 ms
Remote clock offset: -20.722 ms

Below is generated by plot.py at 2018-02-16 06:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 24.871 ms
Loss rate: 6.49%
-- Flow 1:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 24.871 ms
Loss rate: 6.49%

Run 9: Report of Vivace-loss — Data Link

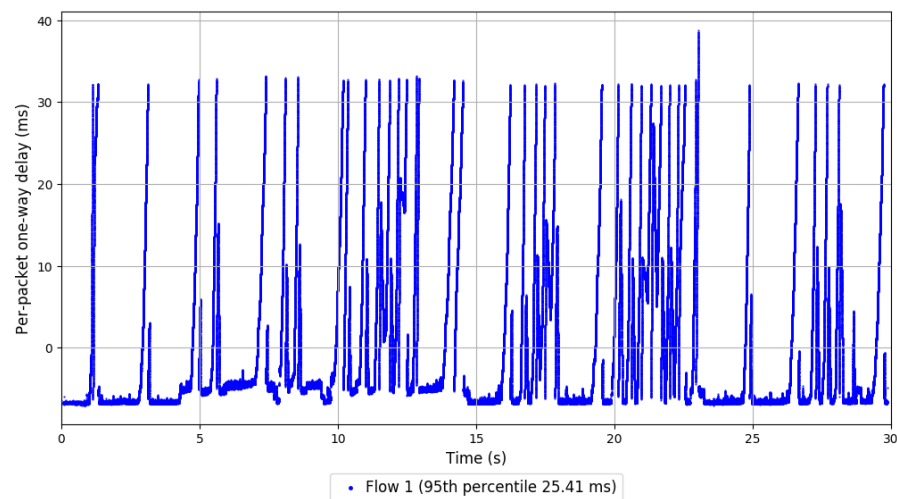
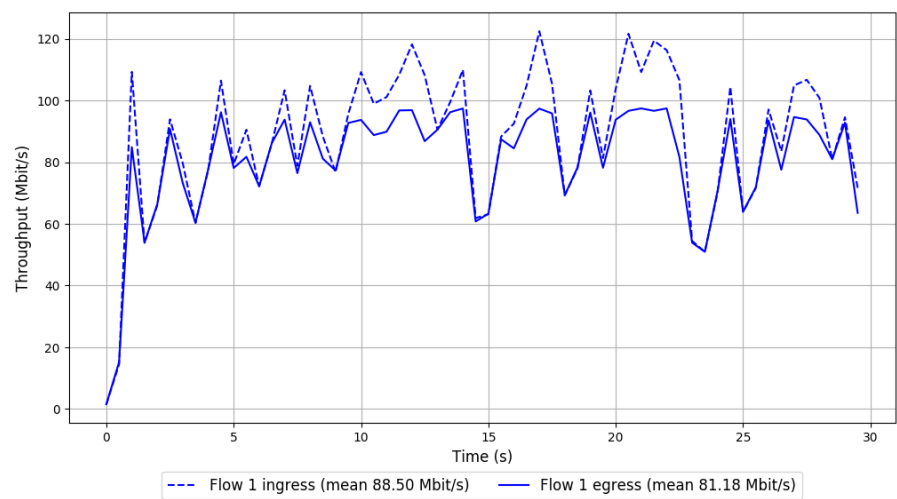


Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 05:21:25
End at: 2018-02-16 05:21:55
Local clock offset: -9.118 ms
Remote clock offset: -20.969 ms

Below is generated by plot.py at 2018-02-16 06:22:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.18 Mbit/s
95th percentile per-packet one-way delay: 25.408 ms
Loss rate: 8.26%
-- Flow 1:
Average throughput: 81.18 Mbit/s
95th percentile per-packet one-way delay: 25.408 ms
Loss rate: 8.26%

Run 10: Report of Vivace-loss — Data Link

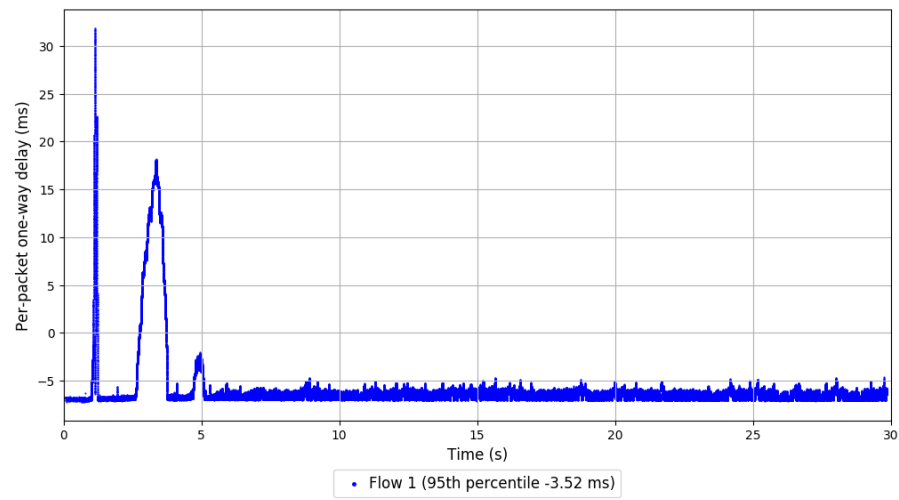
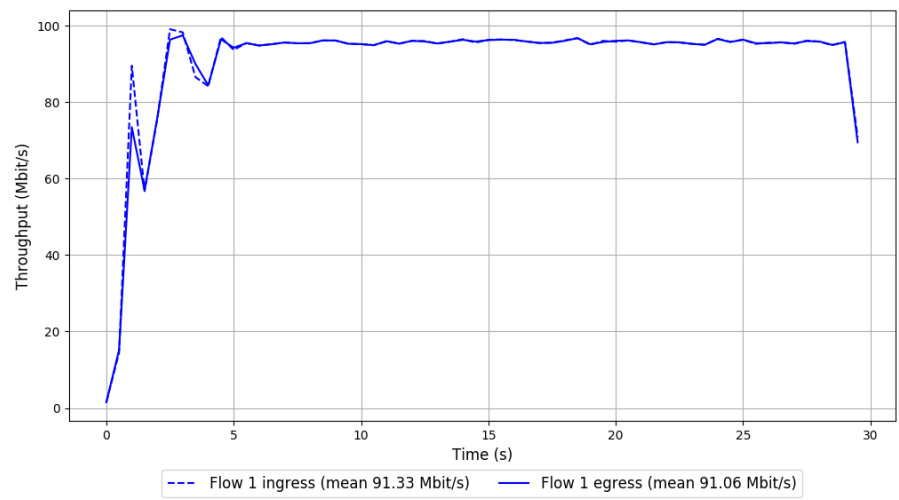


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 02:05:23
End at: 2018-02-16 02:05:53
Local clock offset: -12.909 ms
Remote clock offset: -21.834 ms

Below is generated by plot.py at 2018-02-16 06:22:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: -3.525 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: -3.525 ms
Loss rate: 0.29%

Run 1: Report of Vivace-LTE — Data Link

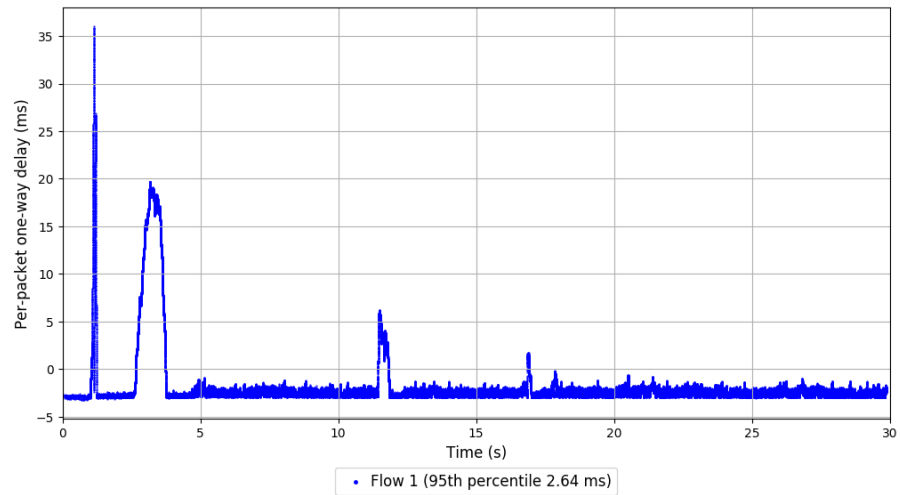
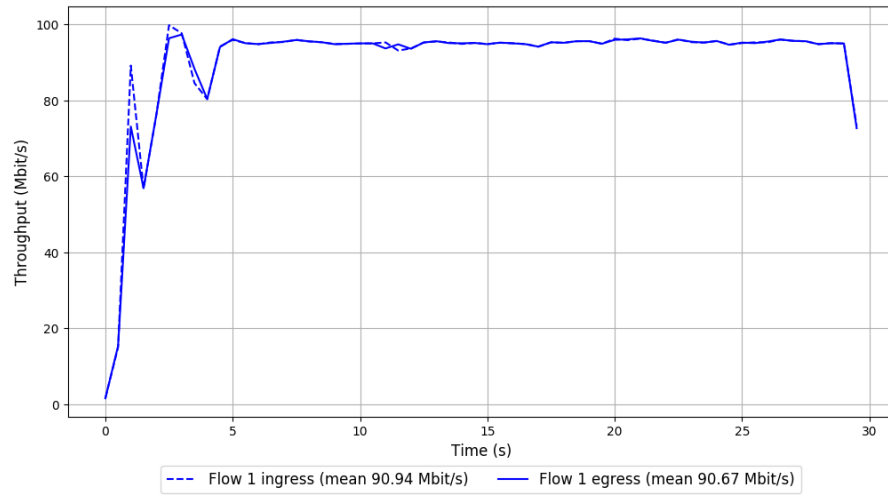


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 02:26:49
End at: 2018-02-16 02:27:19
Local clock offset: -14.183 ms
Remote clock offset: -17.072 ms

Below is generated by plot.py at 2018-02-16 06:22:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 2.644 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 2.644 ms
Loss rate: 0.30%

Run 2: Report of Vivace-LTE — Data Link

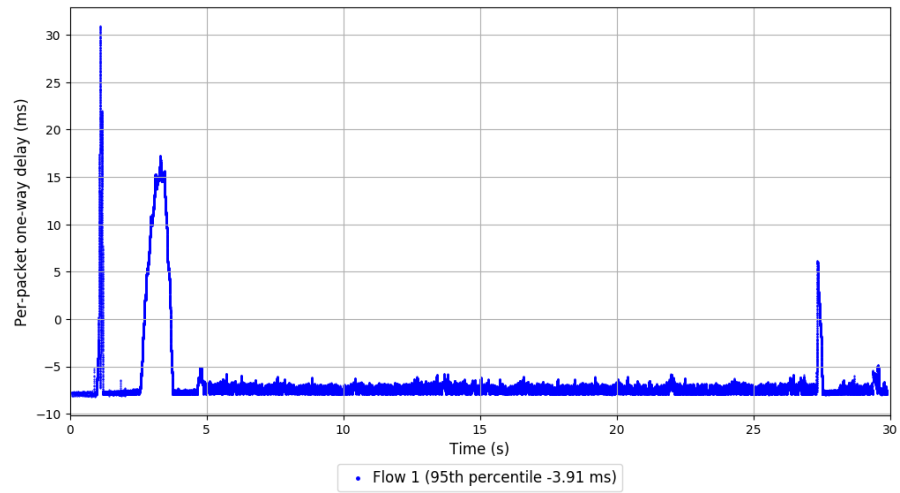
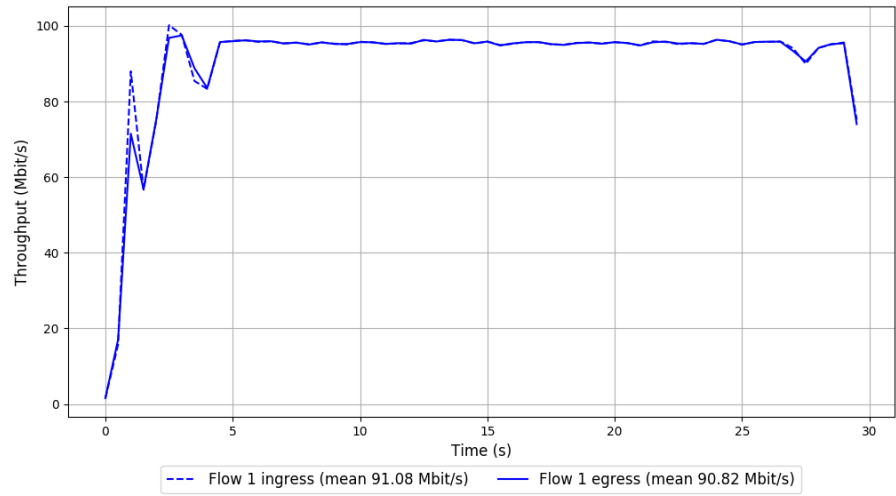


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 02:48:30
End at: 2018-02-16 02:49:00
Local clock offset: -12.104 ms
Remote clock offset: -19.128 ms

Below is generated by plot.py at 2018-02-16 06:22:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: -3.909 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: -3.909 ms
Loss rate: 0.29%

Run 3: Report of Vivace-LTE — Data Link

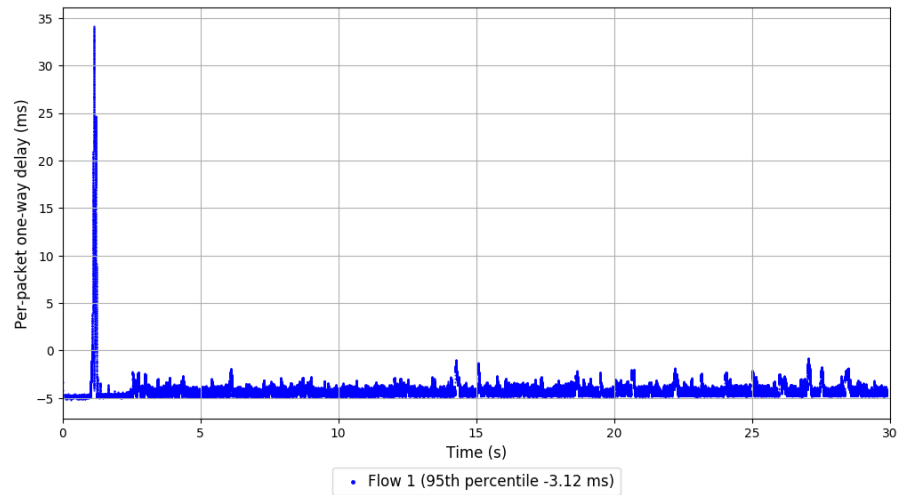
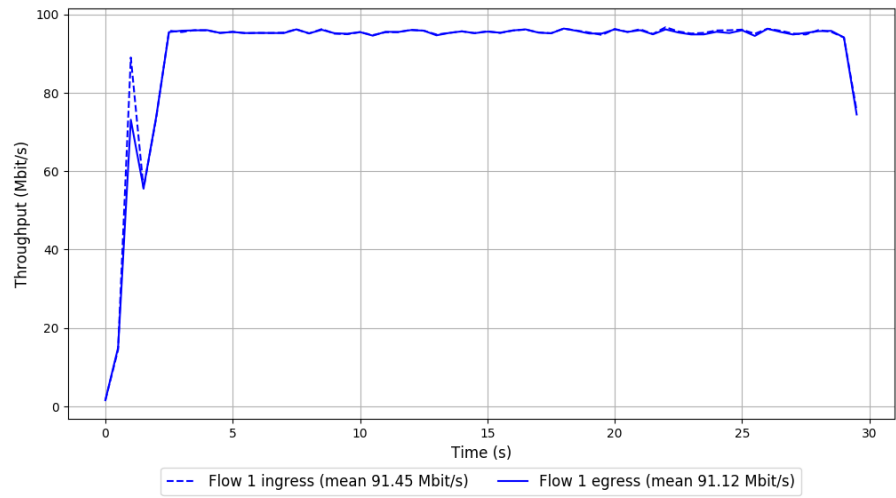


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 03:10:12
End at: 2018-02-16 03:10:42
Local clock offset: -6.975 ms
Remote clock offset: -18.918 ms

Below is generated by plot.py at 2018-02-16 06:22:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: -3.118 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: -3.118 ms
Loss rate: 0.36%

Run 4: Report of Vivace-LTE — Data Link

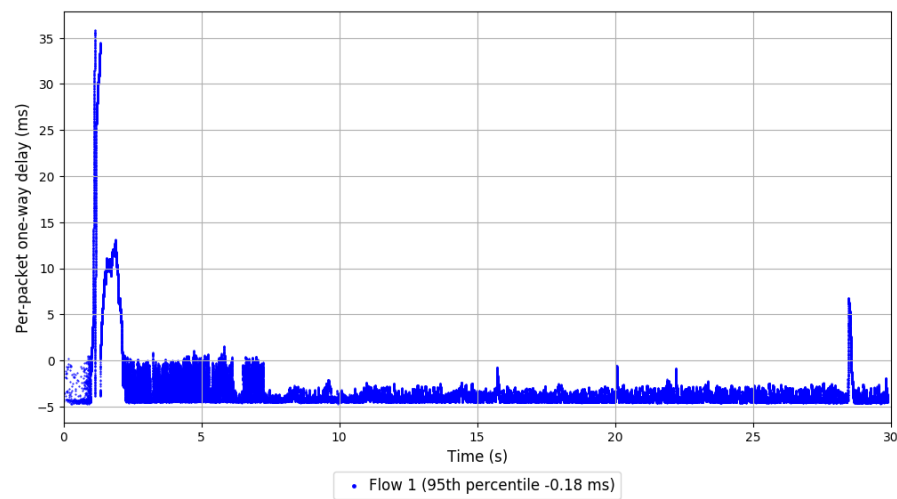
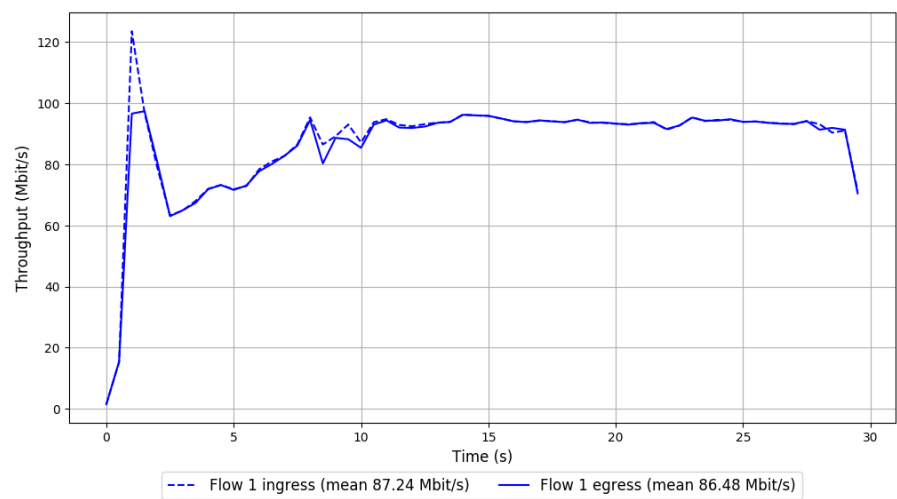


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 03:32:16
End at: 2018-02-16 03:32:46
Local clock offset: -8.603 ms
Remote clock offset: -22.299 ms

Below is generated by plot.py at 2018-02-16 06:22:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: -0.183 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: -0.183 ms
Loss rate: 0.88%

Run 5: Report of Vivace-LTE — Data Link

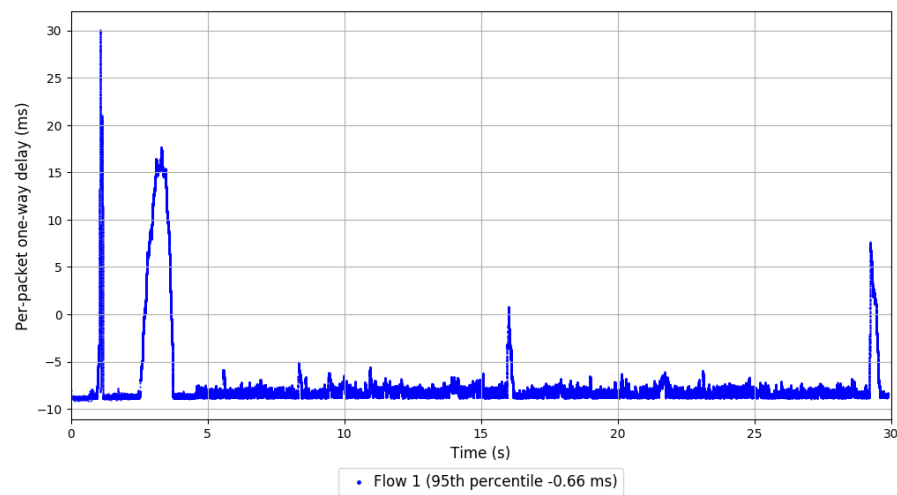
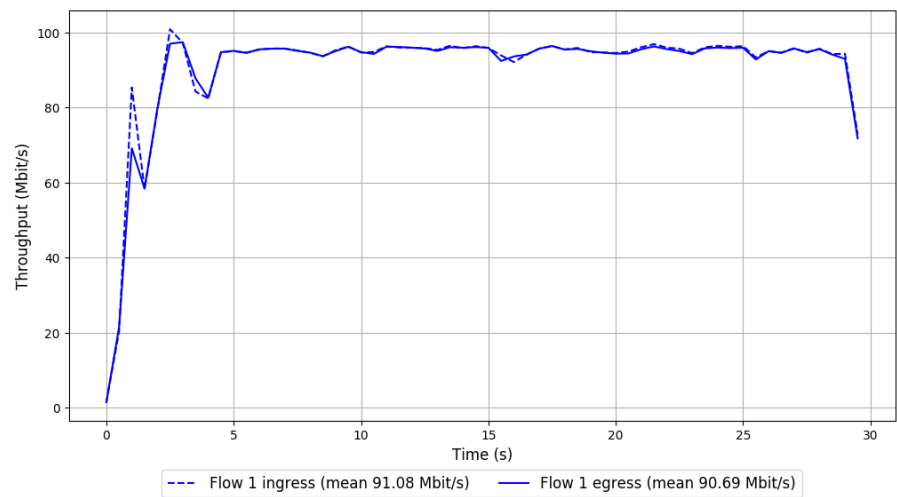


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 03:54:31
End at: 2018-02-16 03:55:01
Local clock offset: -9.979 ms
Remote clock offset: -25.662 ms

Below is generated by plot.py at 2018-02-16 06:22:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: -0.664 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: -0.664 ms
Loss rate: 0.44%

Run 6: Report of Vivace-LTE — Data Link

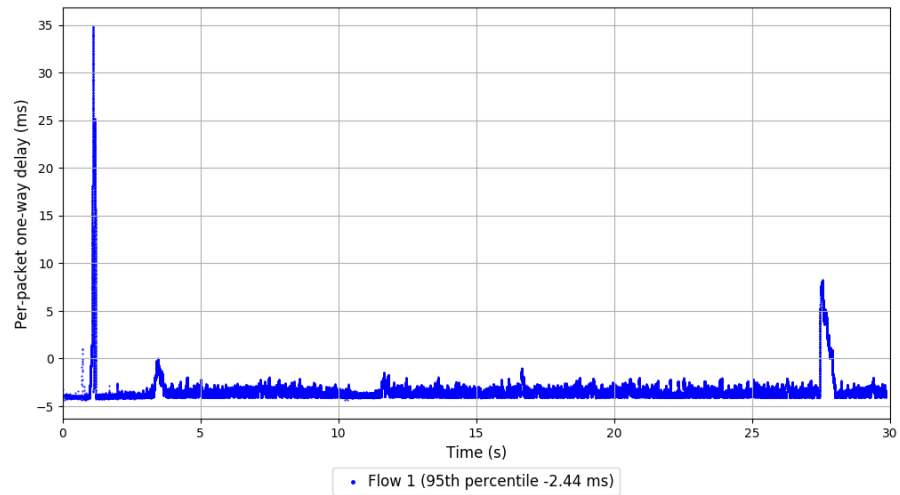
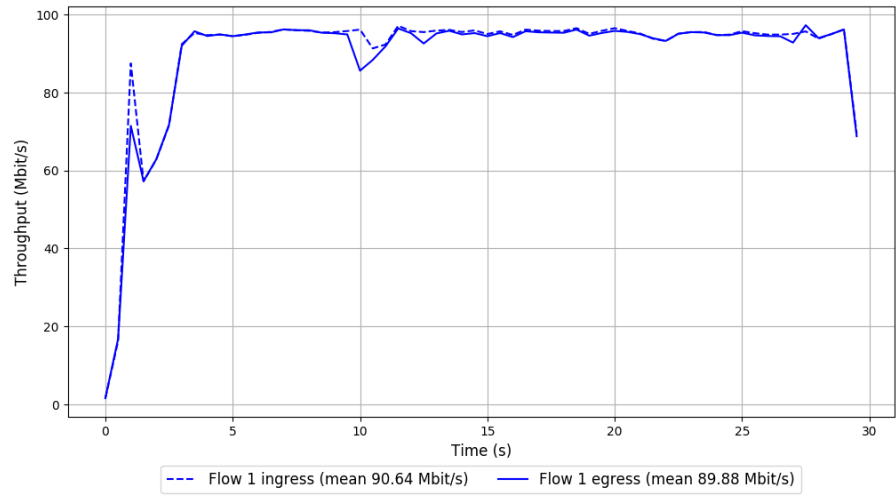


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 04:16:45
End at: 2018-02-16 04:17:15
Local clock offset: -12.798 ms
Remote clock offset: -25.726 ms

Below is generated by plot.py at 2018-02-16 06:22:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: -2.435 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: -2.435 ms
Loss rate: 0.84%

Run 7: Report of Vivace-LTE — Data Link

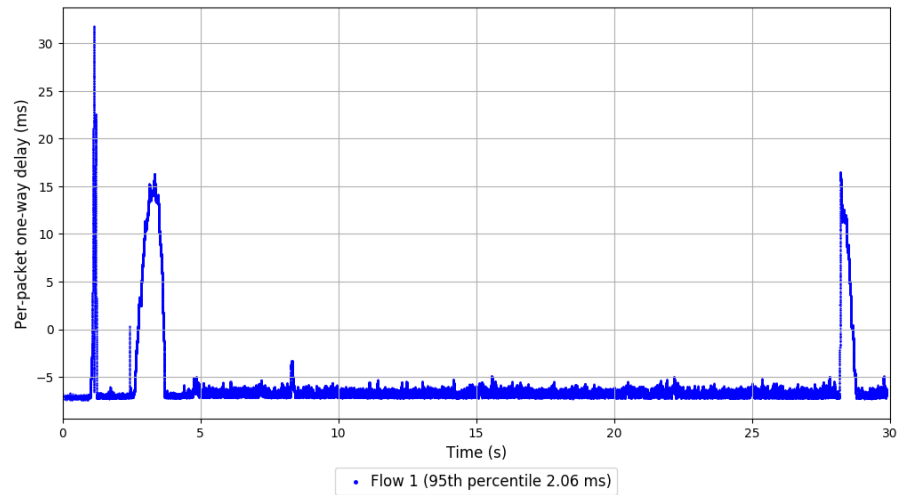
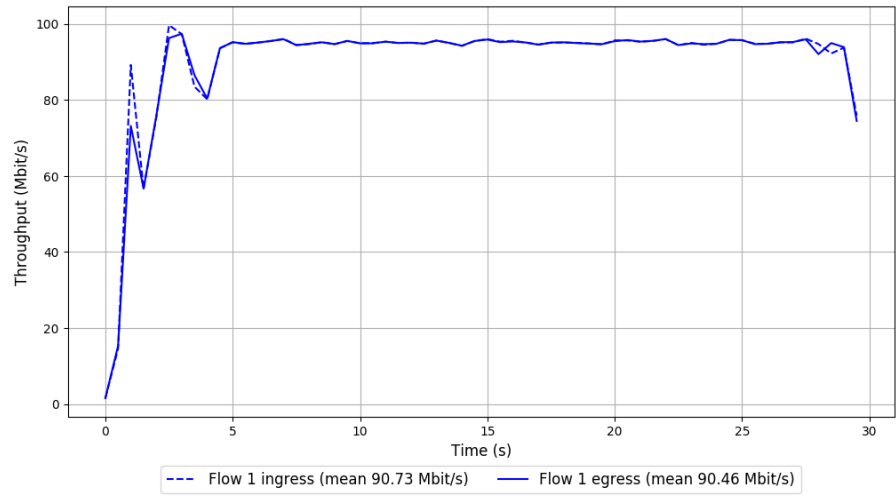


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 04:39:16
End at: 2018-02-16 04:39:47
Local clock offset: -9.801 ms
Remote clock offset: -21.569 ms

Below is generated by plot.py at 2018-02-16 06:23:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 2.058 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 2.058 ms
Loss rate: 0.30%

Run 8: Report of Vivace-LTE — Data Link

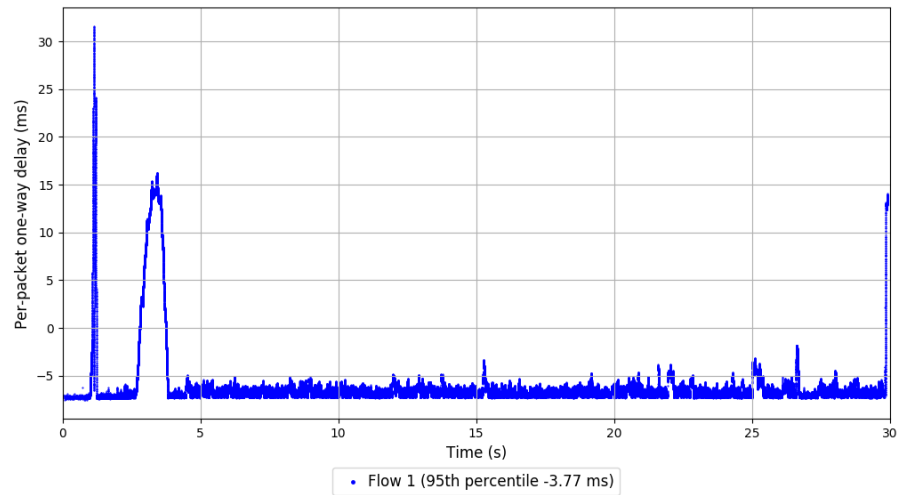
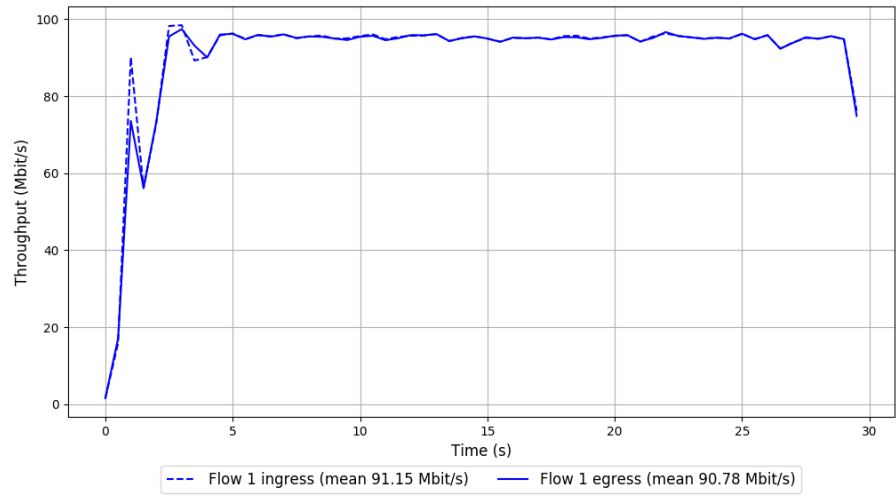


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 05:01:41
End at: 2018-02-16 05:02:11
Local clock offset: -10.078 ms
Remote clock offset: -20.502 ms

Below is generated by plot.py at 2018-02-16 06:23:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: -3.773 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: -3.773 ms
Loss rate: 0.34%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 05:24:01
End at: 2018-02-16 05:24:31
Local clock offset: -11.072 ms
Remote clock offset: -20.462 ms

Below is generated by plot.py at 2018-02-16 06:23:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: -0.040 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: -0.040 ms
Loss rate: 0.29%

Run 10: Report of Vivace-LTE — Data Link

