

Pantheon Report

Generated at 2018-02-20 05:30:37 (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).

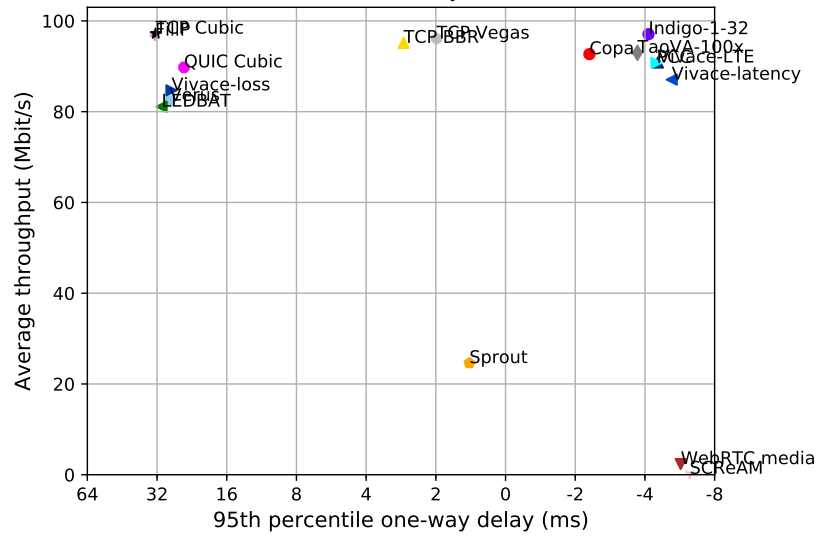
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

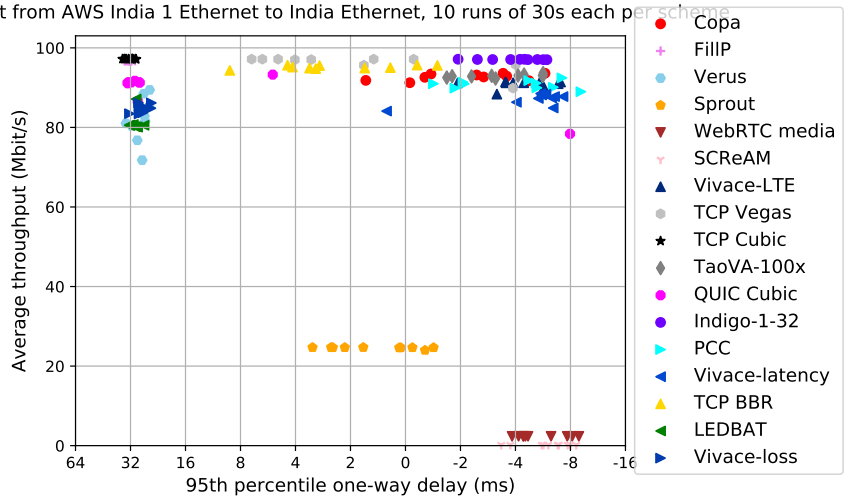
Git summary:

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

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



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



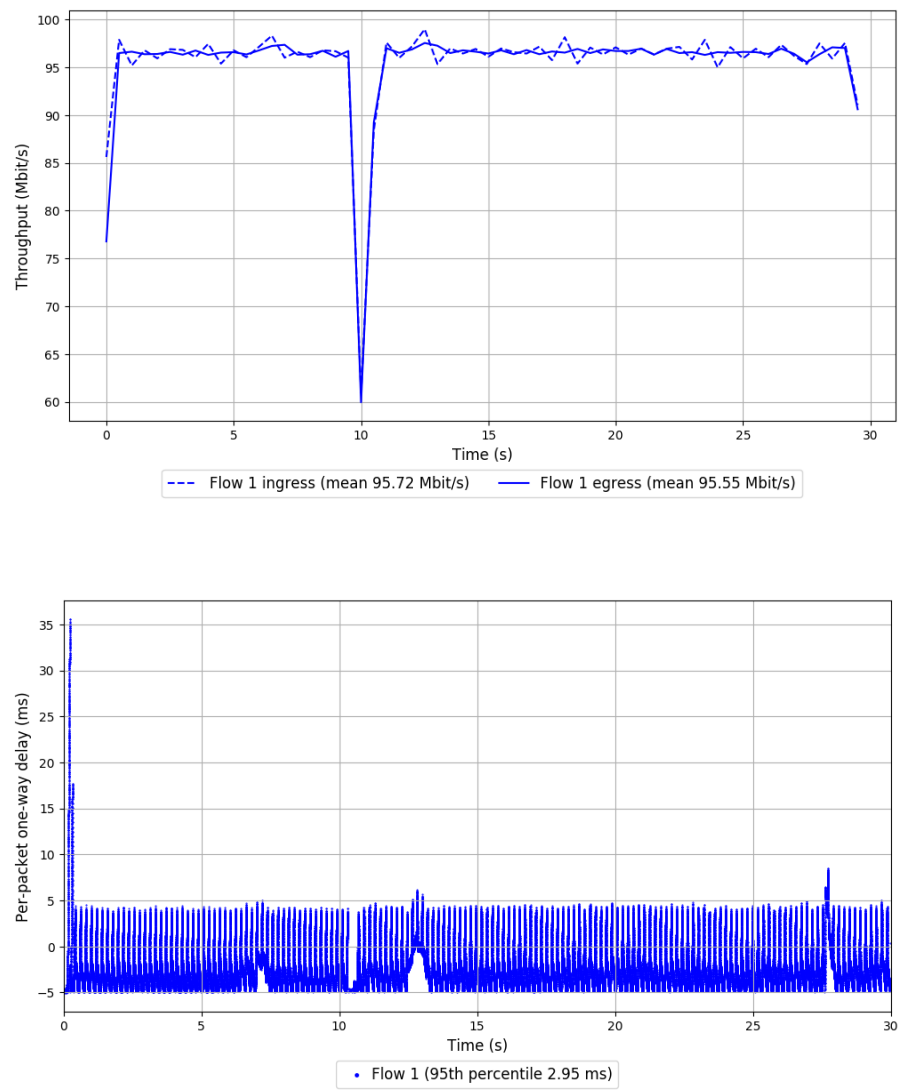
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.16	2.76	0.17
TCP Cubic	10	97.19	32.44	0.33
LEDBAT	10	81.11	30.60	0.11
PCC	10	90.75	-4.49	0.24
QUIC Cubic	10	89.76	24.48	0.44
SCReAM	10	0.22	-6.24	0.00
WebRTC media	10	2.34	-5.71	0.00
Sprout	10	24.60	1.04	0.01
TaoVA-100x	10	92.96	-3.71	0.00
TCP Vegas	10	96.11	1.98	0.12
Verus	10	82.39	28.25	15.18
Copa	10	92.68	-2.30	0.00
FillP	10	96.77	32.67	21.94
Indigo-1-32	10	97.08	-4.14	0.00
Vivace-latency	10	87.06	-5.22	0.02
Vivace-loss	10	84.70	27.71	10.75
Vivace-LTE	10	90.84	-4.55	0.29

Run 1: Statistics of TCP BBR

Start at: 2018-02-20 00:45:48
End at: 2018-02-20 00:46:18
Local clock offset: -5.799 ms
Remote clock offset: -13.036 ms

Below is generated by plot.py at 2018-02-20 05:03:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.17%

Run 1: Report of TCP BBR — Data Link

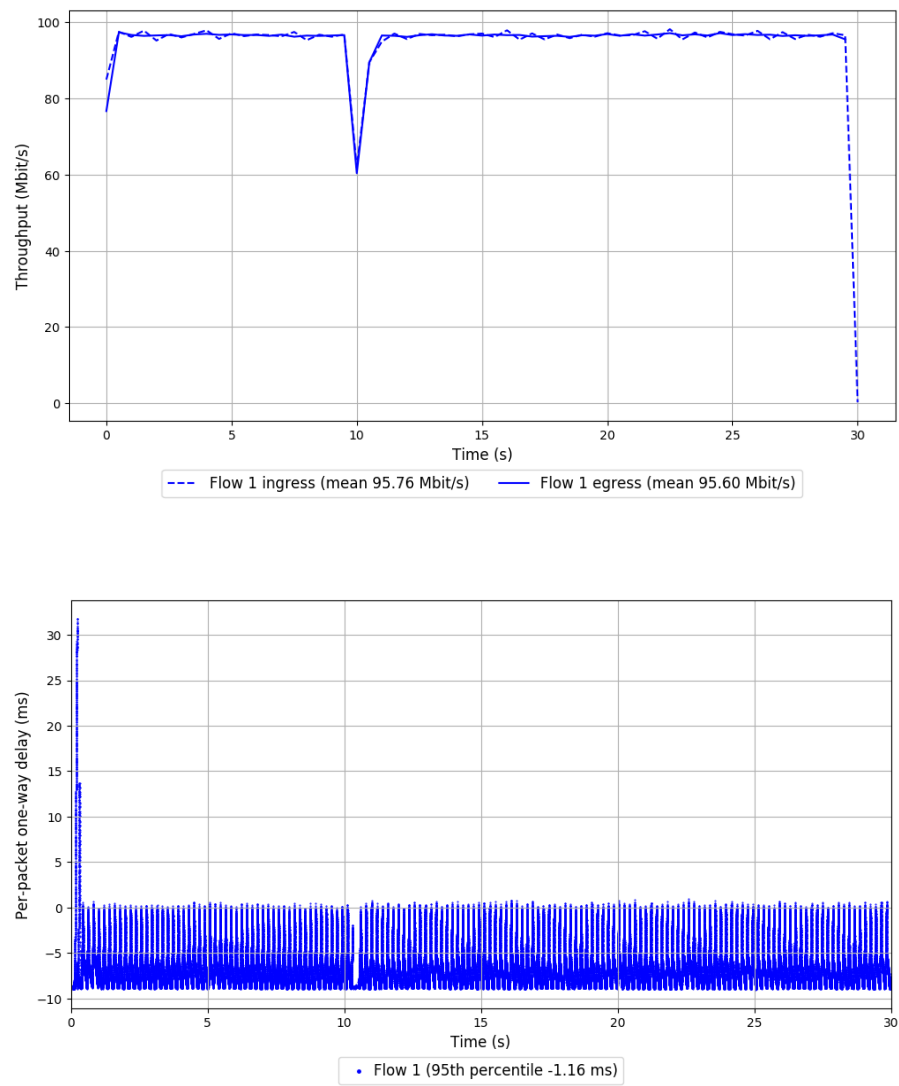


Run 2: Statistics of TCP BBR

Start at: 2018-02-20 01:07:36
End at: 2018-02-20 01:08:06
Local clock offset: -4.722 ms
Remote clock offset: -17.482 ms

Below is generated by plot.py at 2018-02-20 05:03:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: -1.160 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: -1.160 ms
Loss rate: 0.17%

Run 2: Report of TCP BBR — Data Link

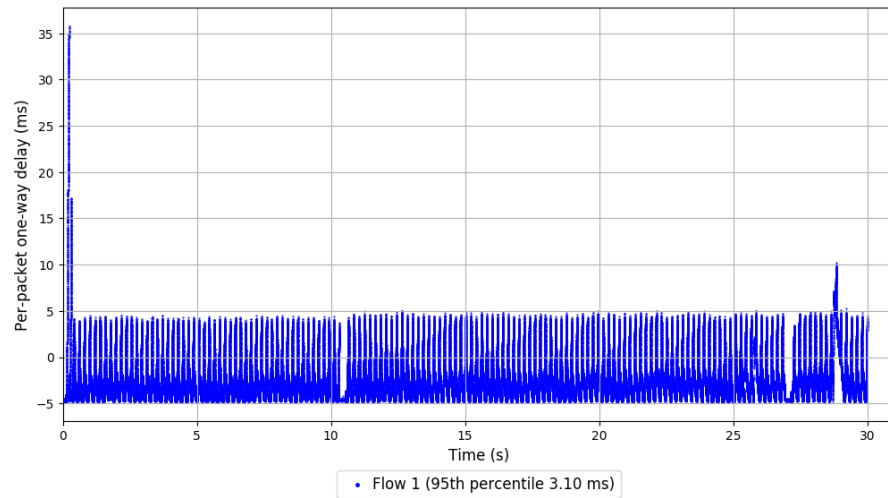
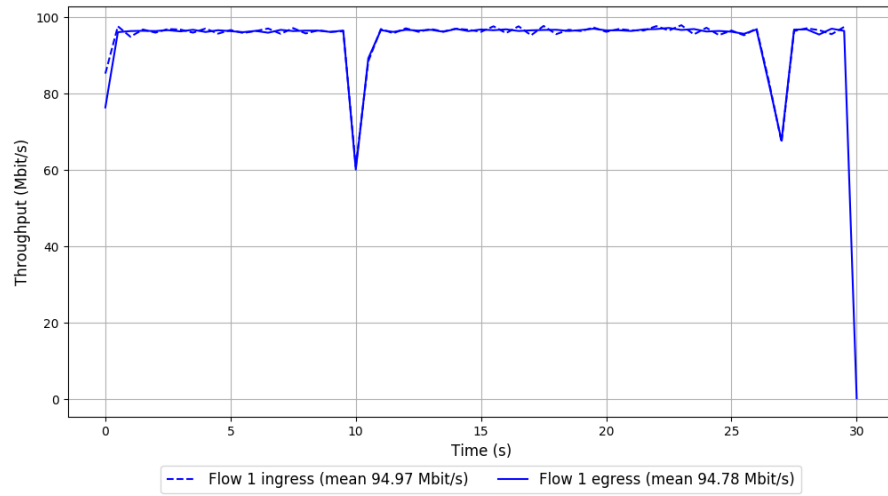


Run 3: Statistics of TCP BBR

Start at: 2018-02-20 01:29:42
End at: 2018-02-20 01:30:12
Local clock offset: -8.373 ms
Remote clock offset: -14.942 ms

Below is generated by plot.py at 2018-02-20 05:03:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 3.099 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 3.099 ms
Loss rate: 0.17%

Run 3: Report of TCP BBR — Data Link

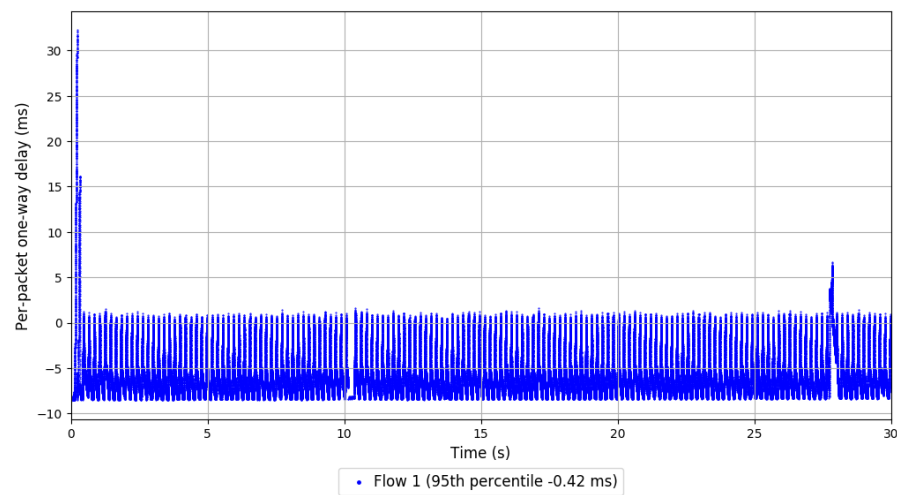
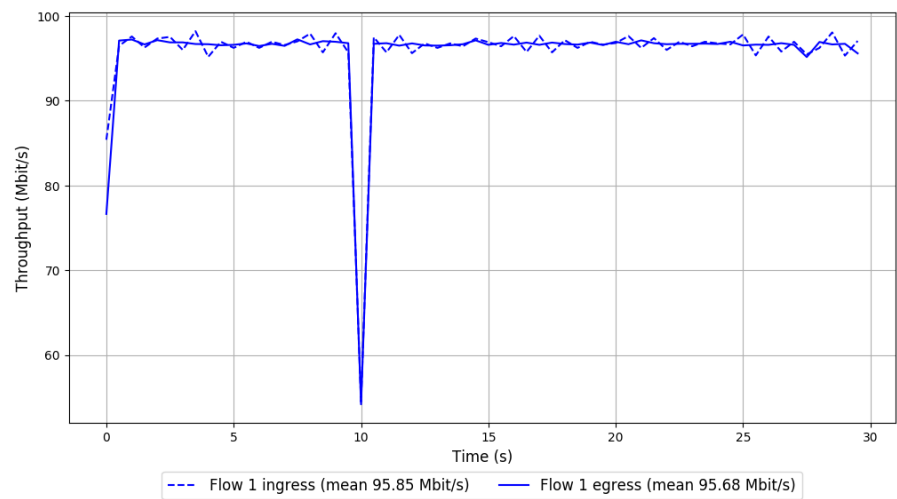


Run 4: Statistics of TCP BBR

Start at: 2018-02-20 01:52:10
End at: 2018-02-20 01:52:40
Local clock offset: -6.094 ms
Remote clock offset: -18.287 ms

Below is generated by plot.py at 2018-02-20 05:03:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: -0.425 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: -0.425 ms
Loss rate: 0.17%

Run 4: Report of TCP BBR — Data Link

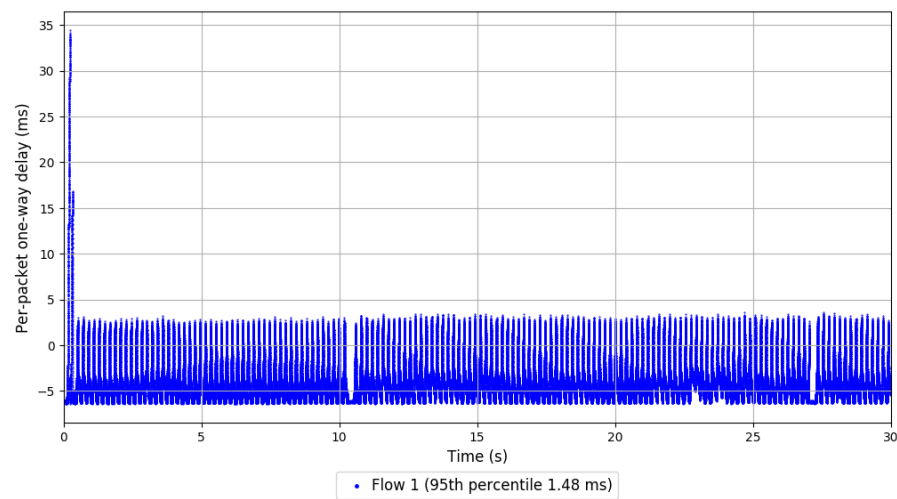
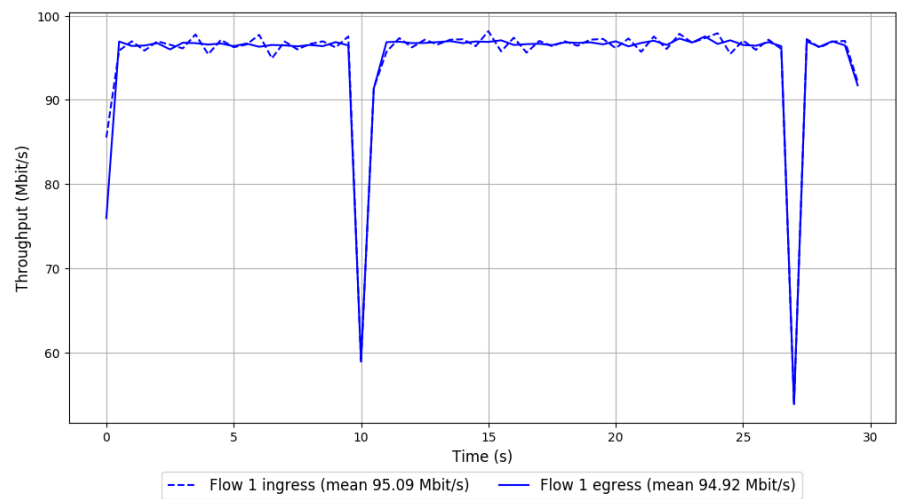


Run 5: Statistics of TCP BBR

Start at: 2018-02-20 02:14:40
End at: 2018-02-20 02:15:10
Local clock offset: -6.079 ms
Remote clock offset: -19.427 ms

Below is generated by plot.py at 2018-02-20 05:03:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 1.482 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 1.482 ms
Loss rate: 0.17%

Run 5: Report of TCP BBR — Data Link

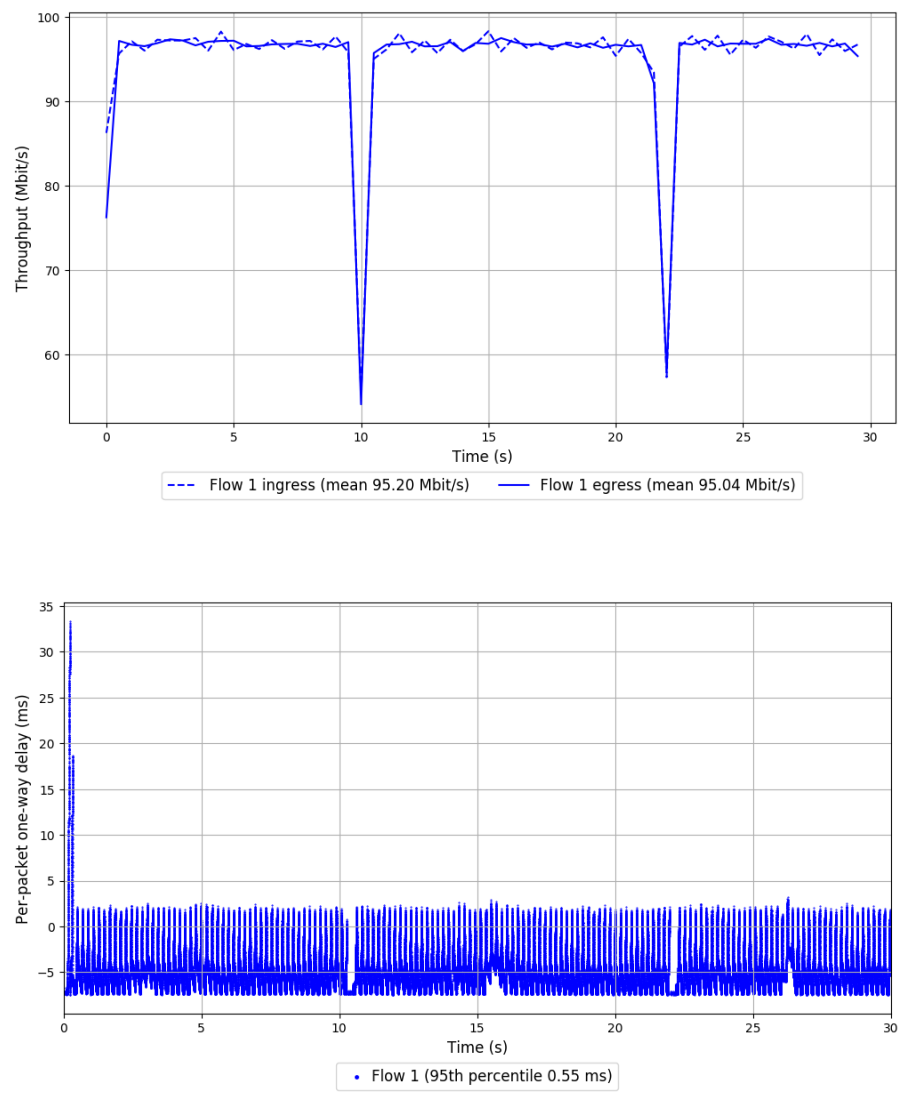


Run 6: Statistics of TCP BBR

Start at: 2018-02-20 02:36:57
End at: 2018-02-20 02:37:27
Local clock offset: -4.493 ms
Remote clock offset: -12.133 ms

Below is generated by plot.py at 2018-02-20 05:03:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 0.549 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 0.549 ms
Loss rate: 0.17%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-20 02:59:46

End at: 2018-02-20 03:00:16

Local clock offset: -7.678 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-02-20 05:03:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 3.351 ms

Loss rate: 0.17%

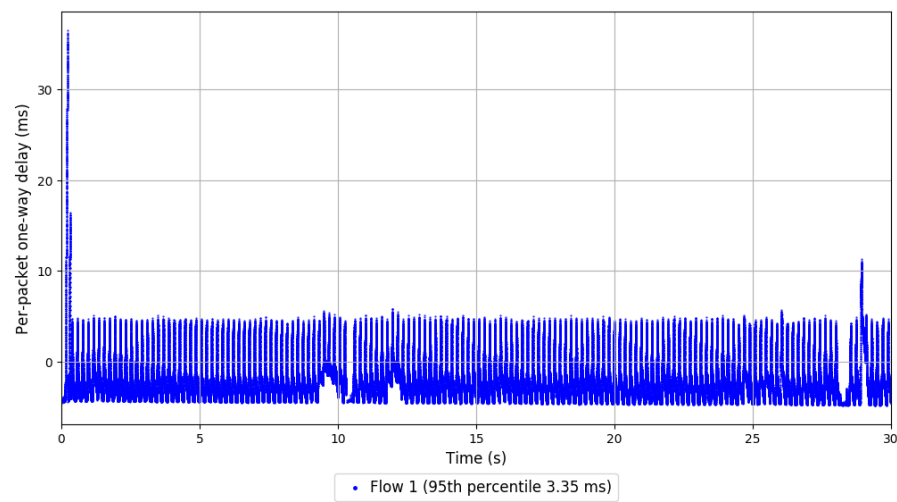
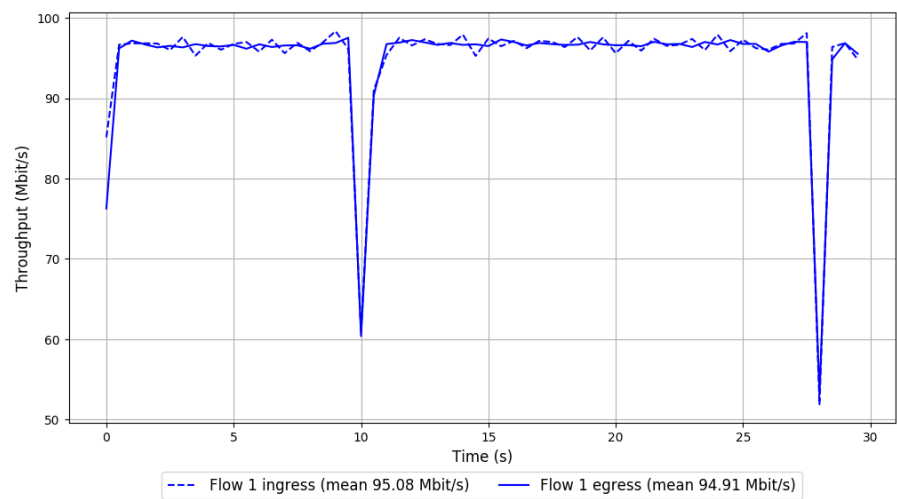
-- Flow 1:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 3.351 ms

Loss rate: 0.17%

Run 7: Report of TCP BBR — Data Link

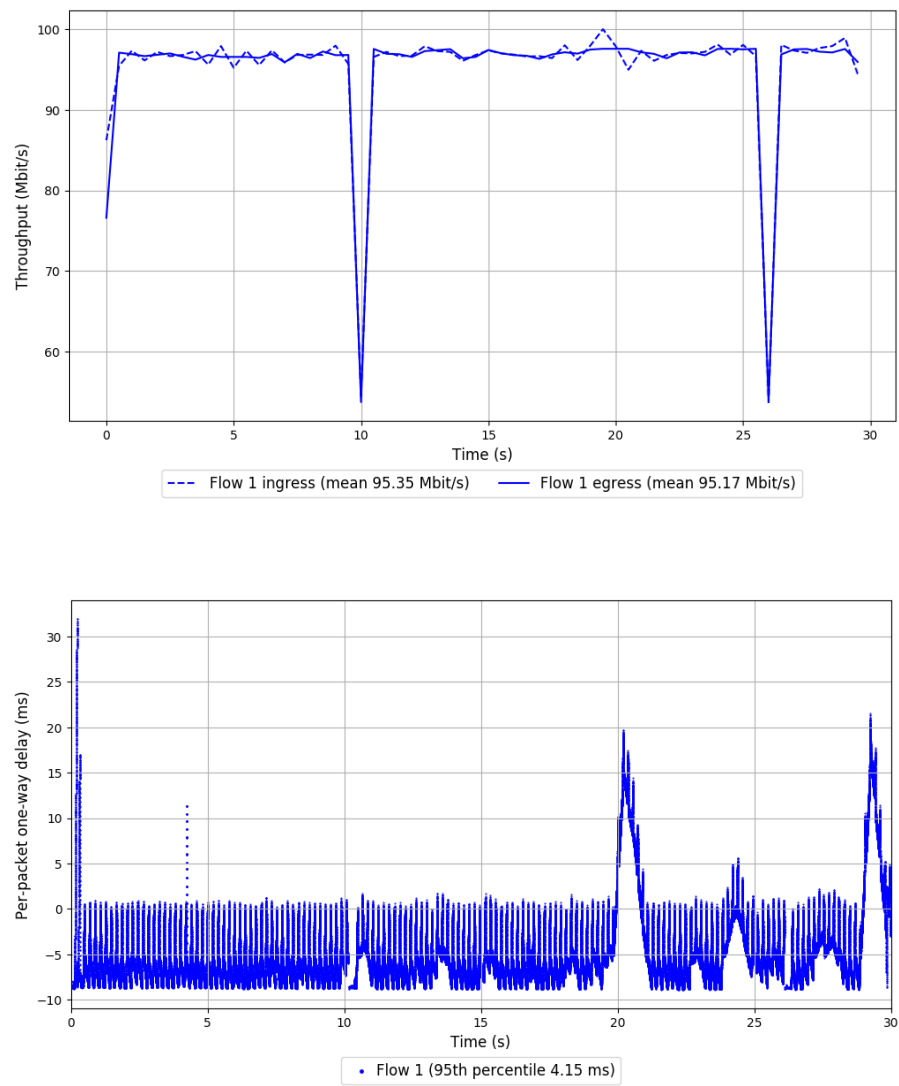


Run 8: Statistics of TCP BBR

Start at: 2018-02-20 03:22:37
End at: 2018-02-20 03:23:07
Local clock offset: -4.628 ms
Remote clock offset: 10.261 ms

Below is generated by plot.py at 2018-02-20 05:03:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 4.151 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 4.151 ms
Loss rate: 0.17%

Run 8: Report of TCP BBR — Data Link

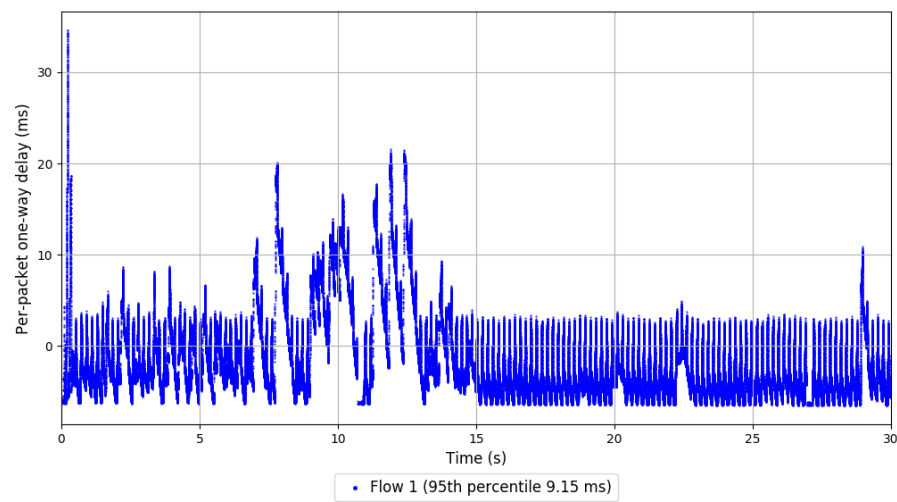
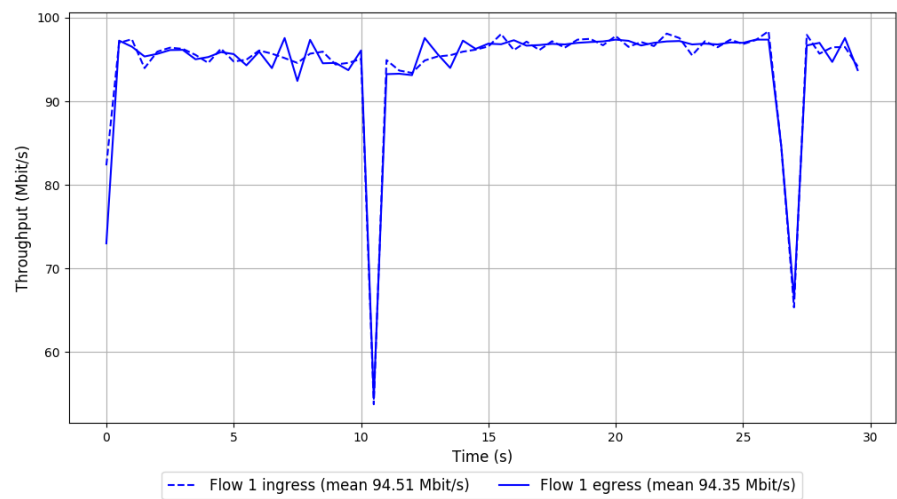


Run 9: Statistics of TCP BBR

Start at: 2018-02-20 03:45:36
End at: 2018-02-20 03:46:06
Local clock offset: -13.622 ms
Remote clock offset: 18.272 ms

Below is generated by plot.py at 2018-02-20 05:05:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 9.152 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 9.152 ms
Loss rate: 0.17%

Run 9: Report of TCP BBR — Data Link

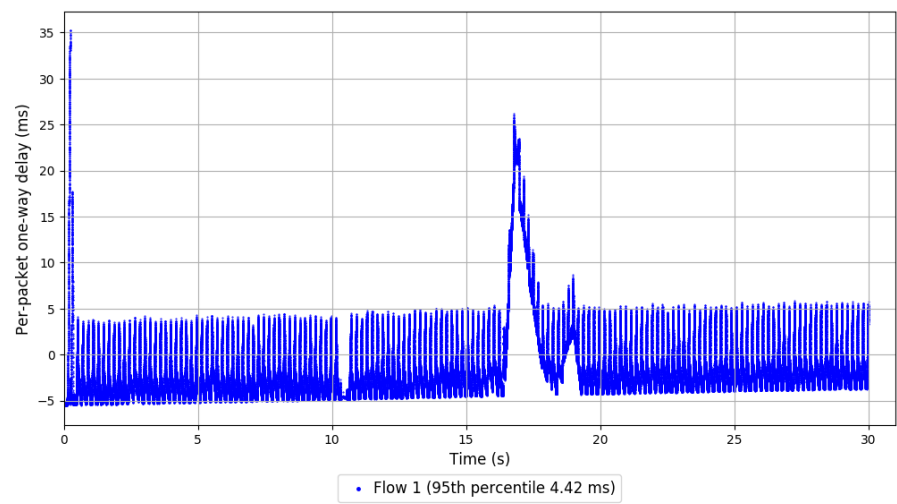
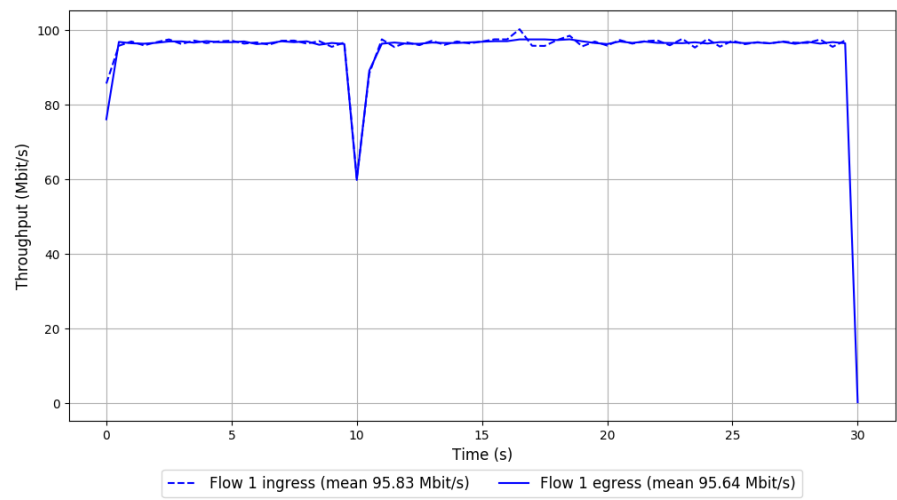


Run 10: Statistics of TCP BBR

Start at: 2018-02-20 04:08:21
End at: 2018-02-20 04:08:51
Local clock offset: -12.464 ms
Remote clock offset: -12.343 ms

Below is generated by plot.py at 2018-02-20 05:05:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 4.420 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 4.420 ms
Loss rate: 0.16%

Run 10: Report of TCP BBR — Data Link

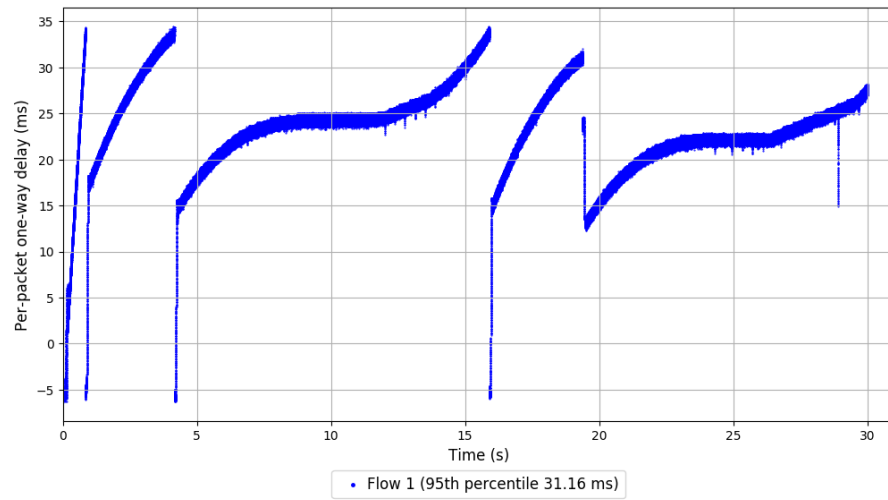
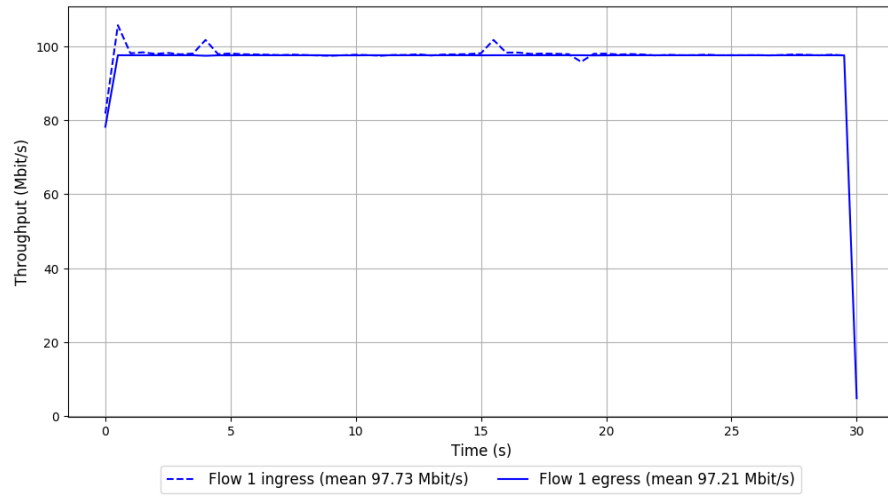


Run 1: Statistics of TCP Cubic

Start at: 2018-02-20 00:57:59
End at: 2018-02-20 00:58:29
Local clock offset: -5.586 ms
Remote clock offset: -15.144 ms

Below is generated by plot.py at 2018-02-20 05:05:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 31.159 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 31.159 ms
Loss rate: 0.43%

Run 1: Report of TCP Cubic — Data Link

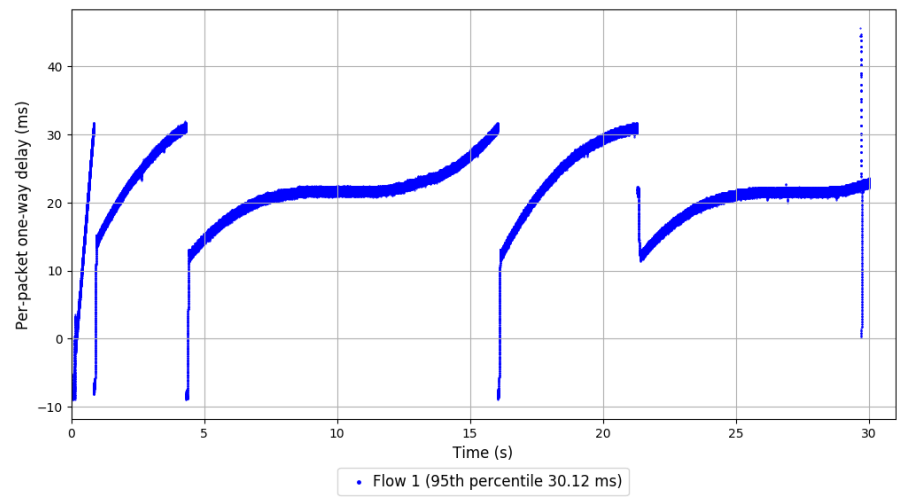
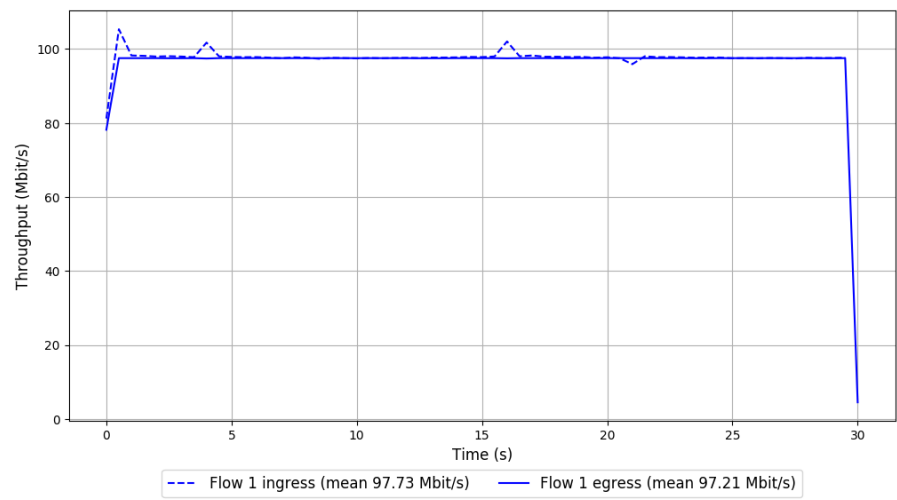


Run 2: Statistics of TCP Cubic

Start at: 2018-02-20 01:19:58
End at: 2018-02-20 01:20:28
Local clock offset: -5.084 ms
Remote clock offset: -16.46 ms

Below is generated by plot.py at 2018-02-20 05:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 30.116 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 30.116 ms
Loss rate: 0.43%

Run 2: Report of TCP Cubic — Data Link

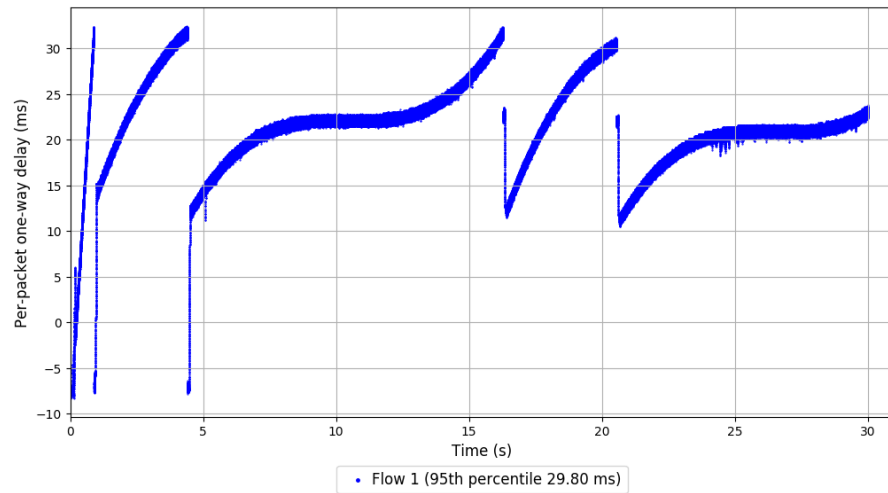
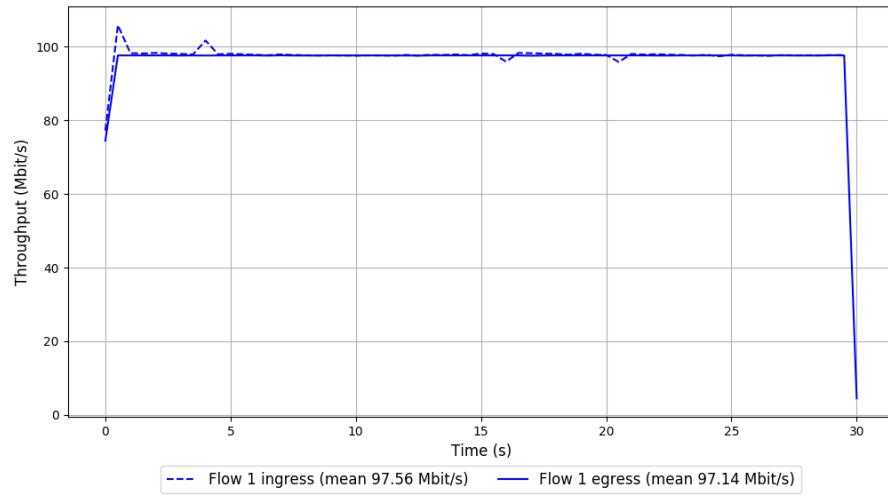


Run 3: Statistics of TCP Cubic

Start at: 2018-02-20 01:42:13
End at: 2018-02-20 01:42:43
Local clock offset: -6.82 ms
Remote clock offset: -16.882 ms

Below is generated by plot.py at 2018-02-20 05:05:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 29.796 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 29.796 ms
Loss rate: 0.33%

Run 3: Report of TCP Cubic — Data Link

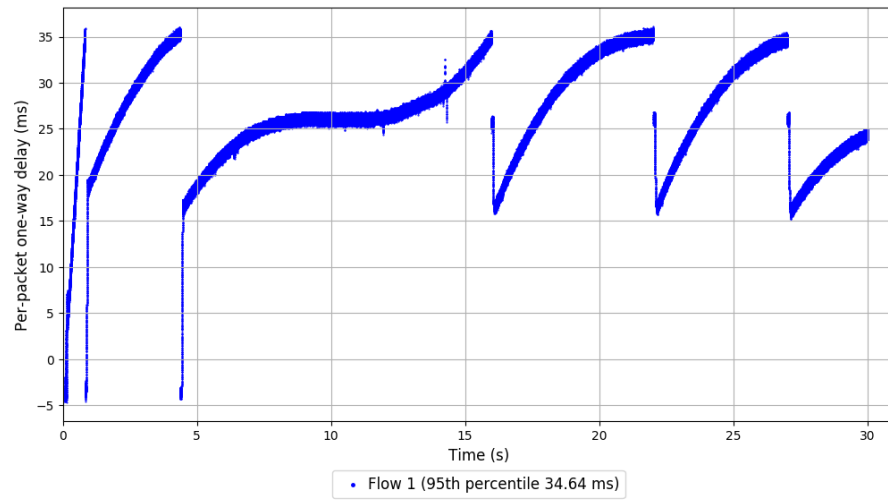
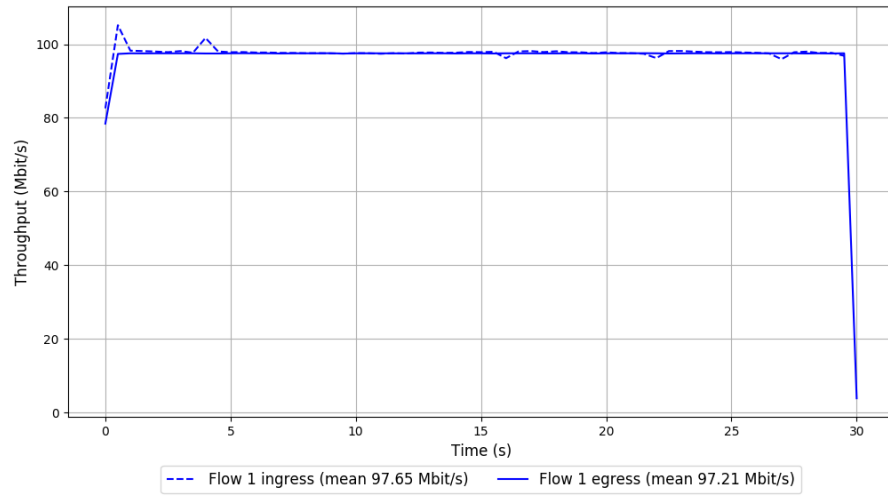


Run 4: Statistics of TCP Cubic

Start at: 2018-02-20 02:04:50
End at: 2018-02-20 02:05:20
Local clock offset: -7.507 ms
Remote clock offset: -18.123 ms

Below is generated by plot.py at 2018-02-20 05:05:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 34.639 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 34.639 ms
Loss rate: 0.36%

Run 4: Report of TCP Cubic — Data Link

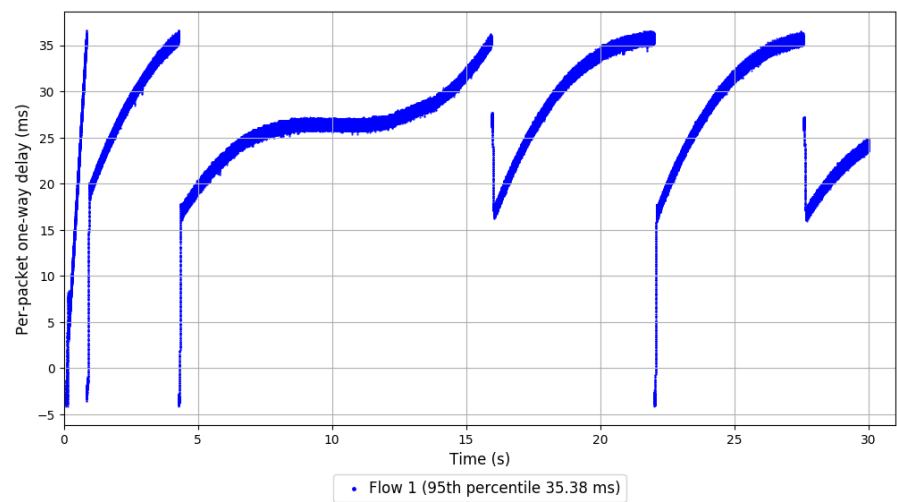
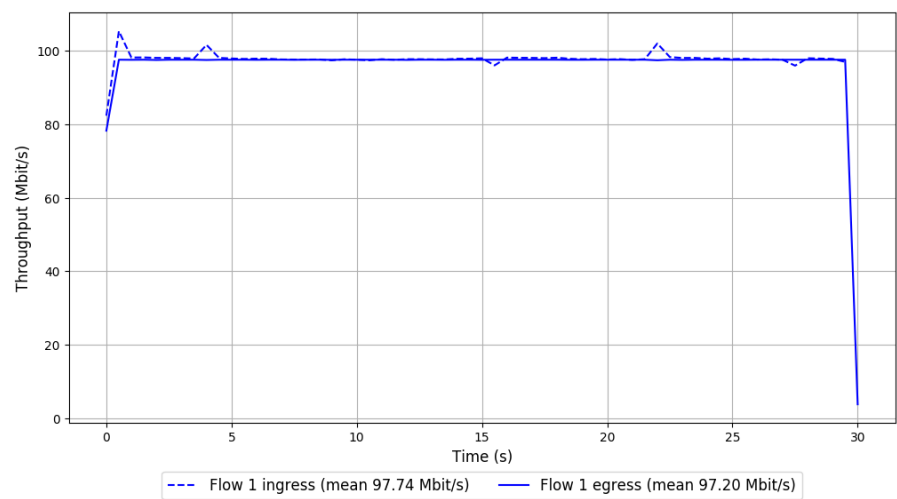


Run 5: Statistics of TCP Cubic

Start at: 2018-02-20 02:27:12
End at: 2018-02-20 02:27:42
Local clock offset: -7.942 ms
Remote clock offset: -13.741 ms

Below is generated by plot.py at 2018-02-20 05:05:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 35.381 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 35.381 ms
Loss rate: 0.46%

Run 5: Report of TCP Cubic — Data Link

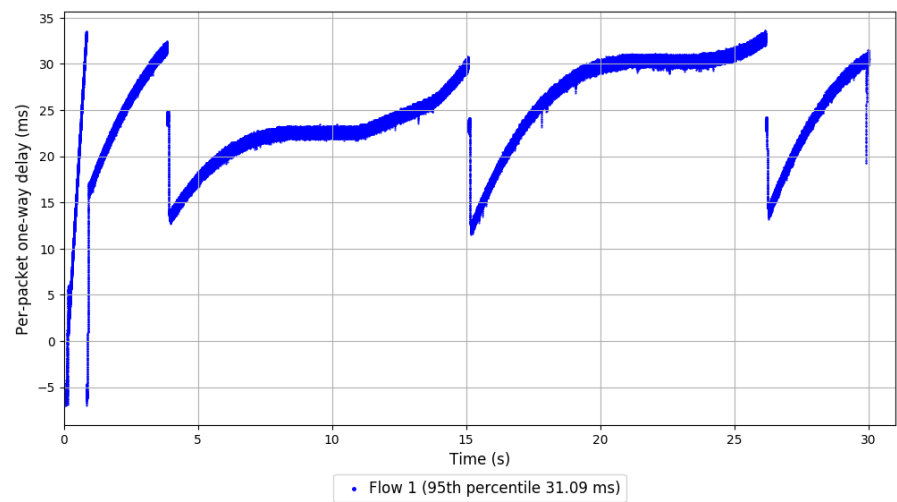
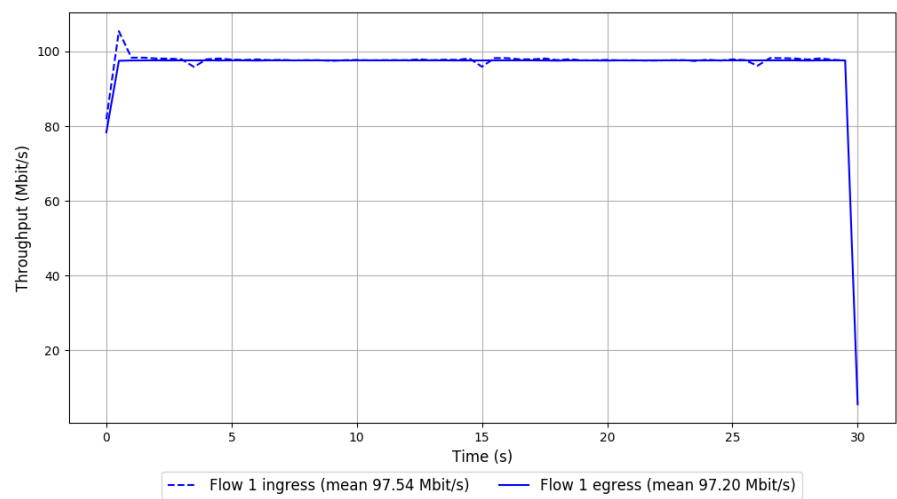


Run 6: Statistics of TCP Cubic

Start at: 2018-02-20 02:49:40
End at: 2018-02-20 02:50:10
Local clock offset: -5.517 ms
Remote clock offset: -11.967 ms

Below is generated by plot.py at 2018-02-20 05:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 31.093 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 31.093 ms
Loss rate: 0.22%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-20 03:12:28

End at: 2018-02-20 03:12:58

Local clock offset: -7.613 ms

Remote clock offset: 7.505 ms

Below is generated by plot.py at 2018-02-20 05:06:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 33.633 ms

Loss rate: 0.23%

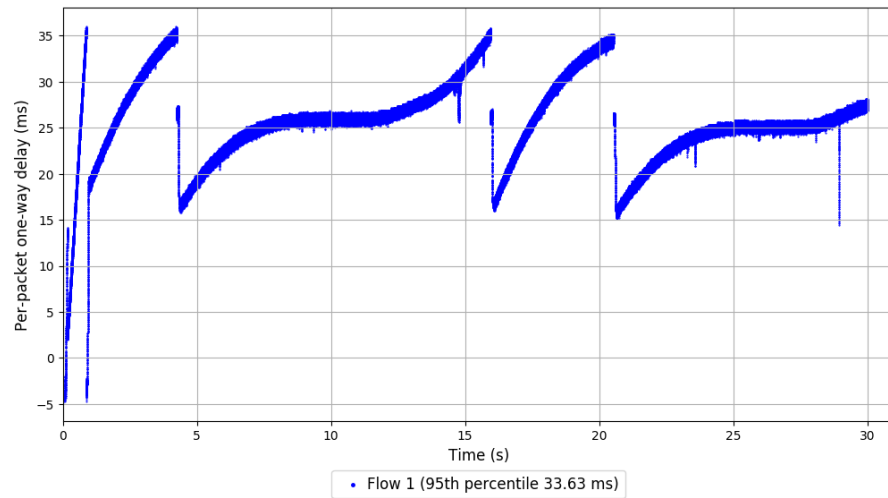
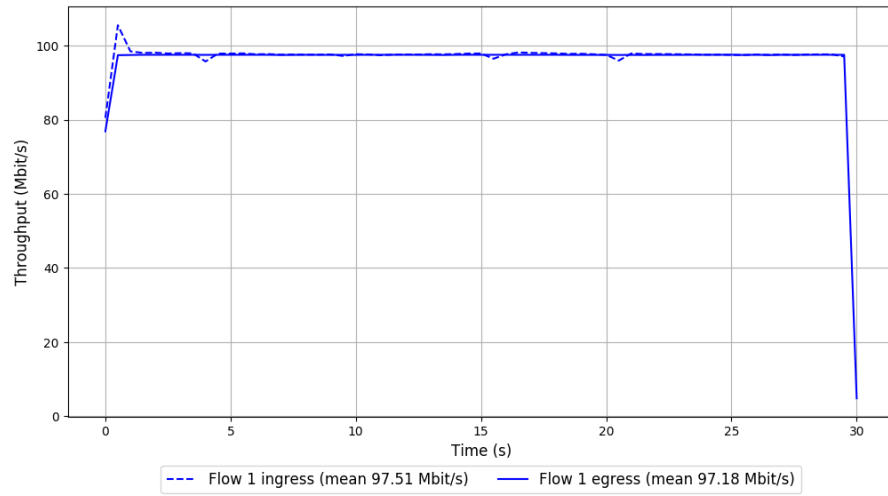
-- Flow 1:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 33.633 ms

Loss rate: 0.23%

Run 7: Report of TCP Cubic — Data Link

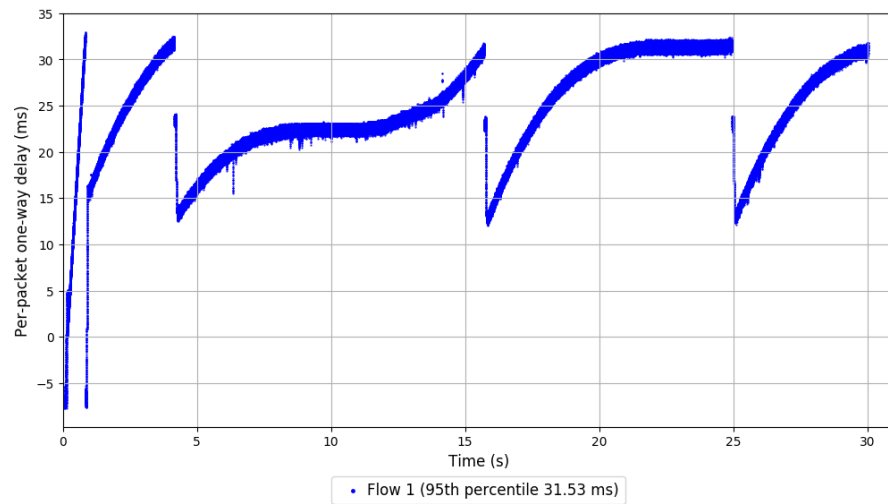
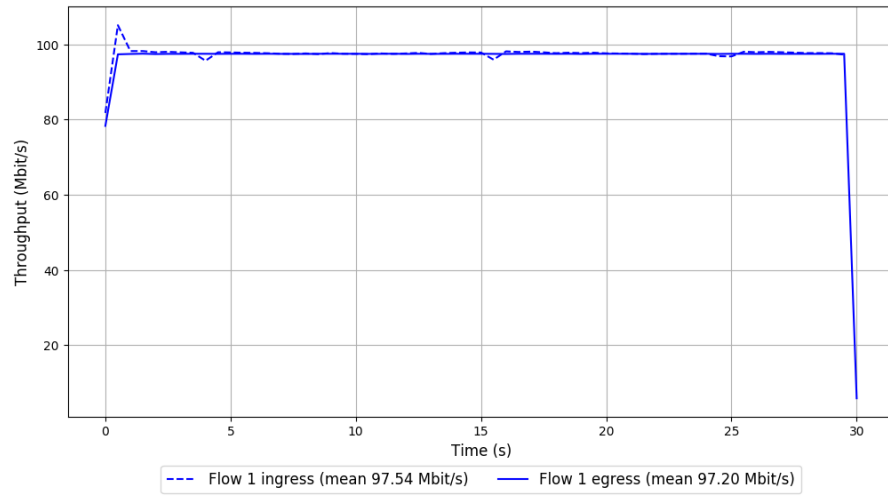


Run 8: Statistics of TCP Cubic

Start at: 2018-02-20 03:35:24
End at: 2018-02-20 03:35:54
Local clock offset: -7.235 ms
Remote clock offset: 15.889 ms

Below is generated by plot.py at 2018-02-20 05:06:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 31.527 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 31.527 ms
Loss rate: 0.22%

Run 8: Report of TCP Cubic — Data Link

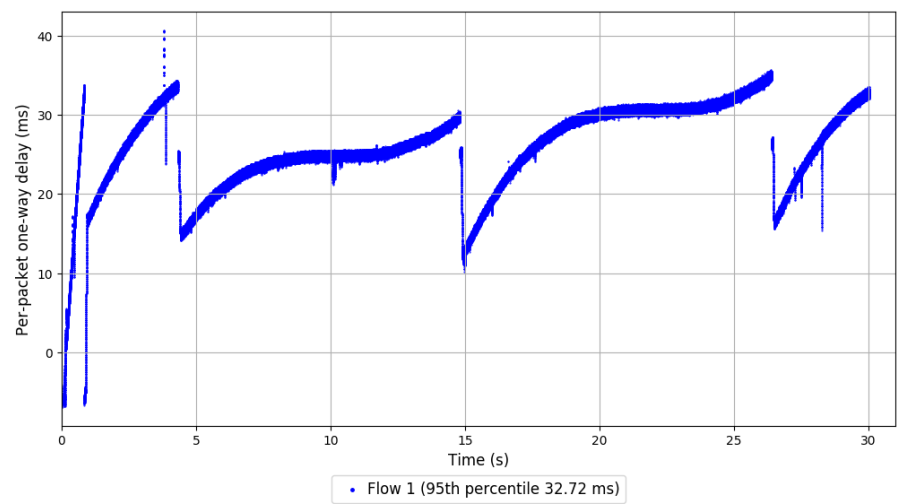
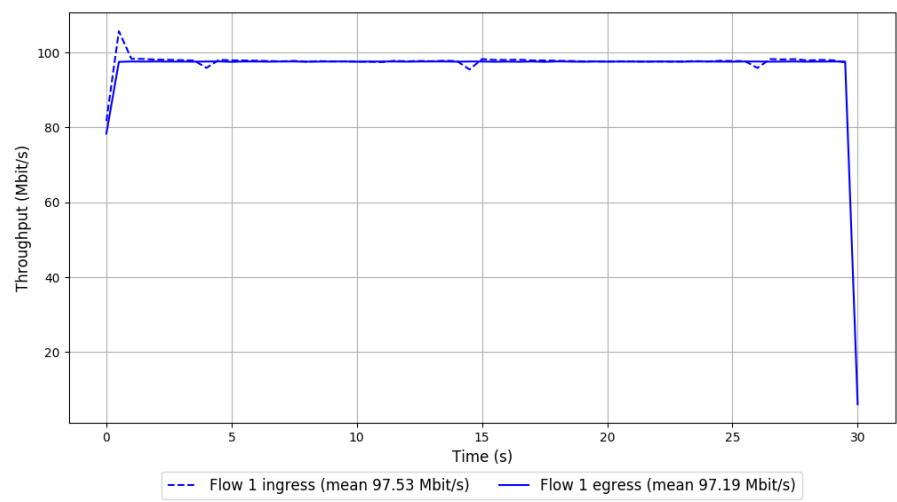


Run 9: Statistics of TCP Cubic

Start at: 2018-02-20 03:58:24
End at: 2018-02-20 03:58:54
Local clock offset: -16.983 ms
Remote clock offset: 19.924 ms

Below is generated by plot.py at 2018-02-20 05:06:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 32.719 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 32.719 ms
Loss rate: 0.21%

Run 9: Report of TCP Cubic — Data Link

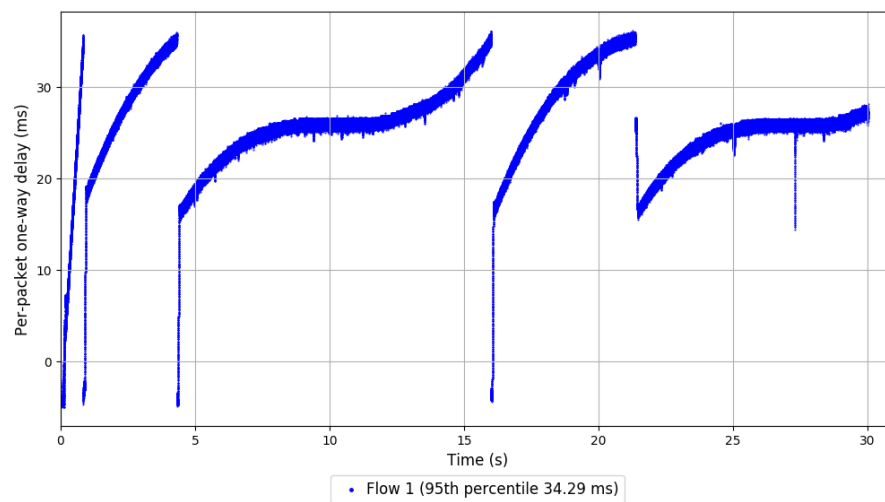
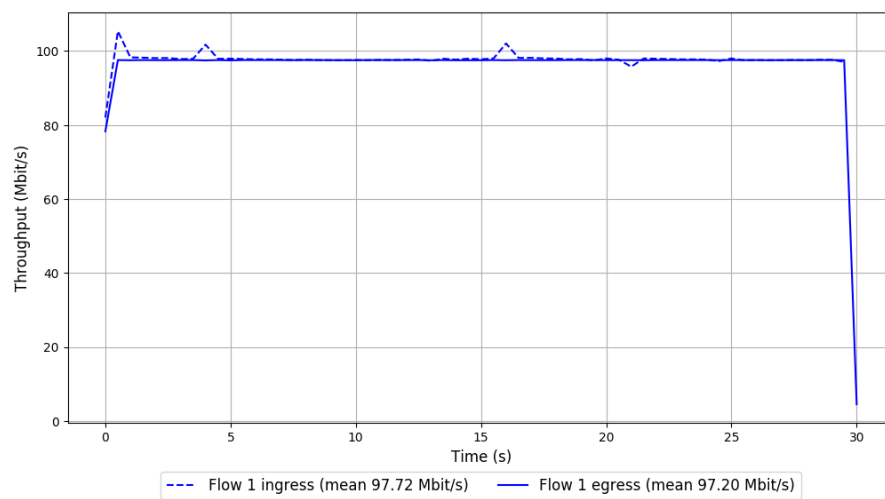


Run 10: Statistics of TCP Cubic

Start at: 2018-02-20 04:21:18
End at: 2018-02-20 04:21:48
Local clock offset: -0.279 ms
Remote clock offset: -28.495 ms

Below is generated by plot.py at 2018-02-20 05:06:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 34.287 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 34.287 ms
Loss rate: 0.43%

Run 10: Report of TCP Cubic — Data Link

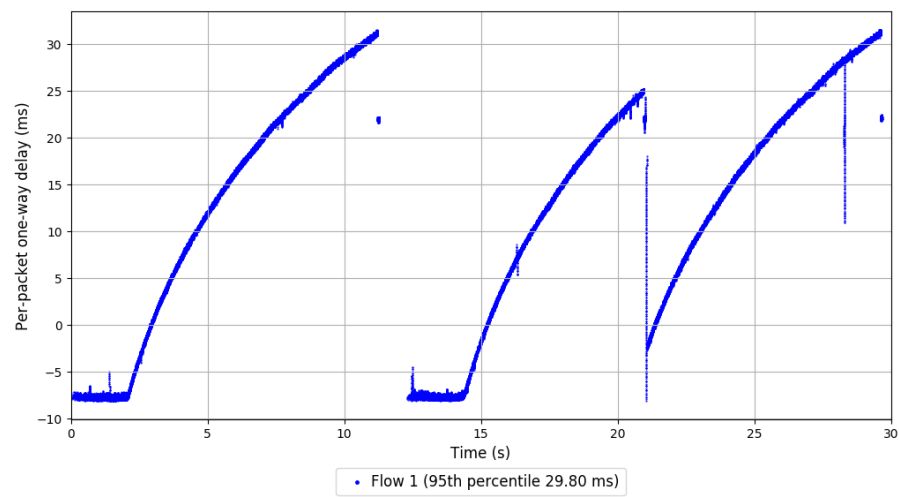
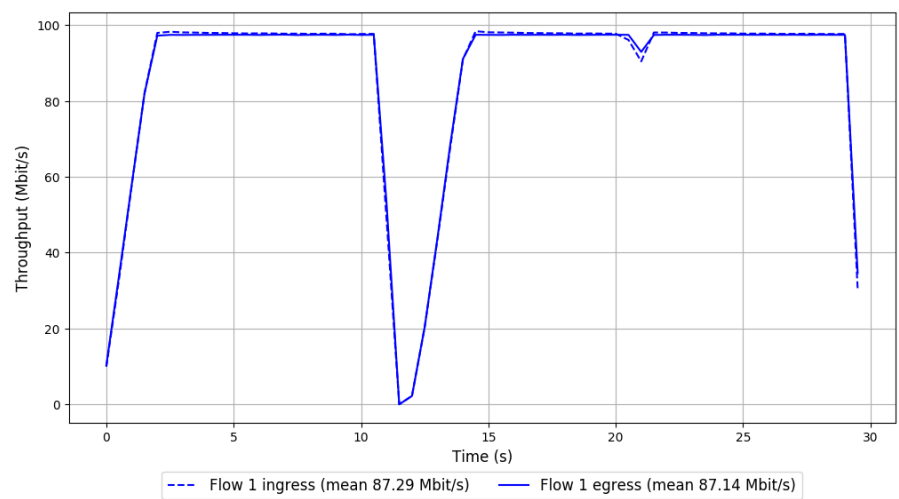


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-20 00:49:33
End at: 2018-02-20 00:50:03
Local clock offset: -3.176 ms
Remote clock offset: -13.841 ms

# Below is generated by plot.py at 2018-02-20 05:06:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 29.799 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 29.799 ms
Loss rate: 0.08%
```

Run 1: Report of LEDBAT — Data Link

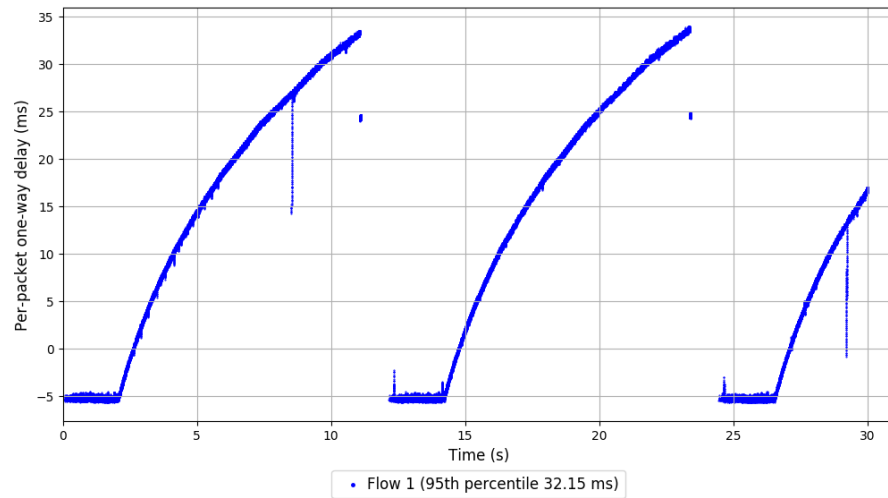
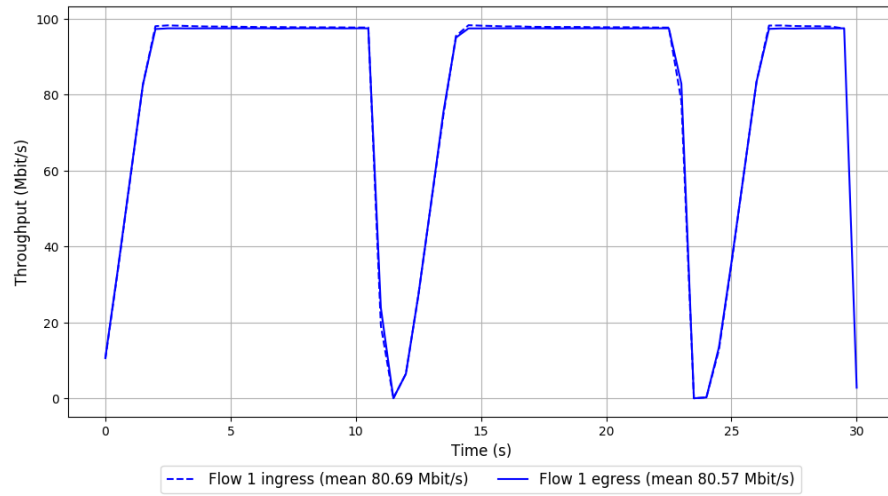


Run 2: Statistics of LEDBAT

Start at: 2018-02-20 01:11:23
End at: 2018-02-20 01:11:53
Local clock offset: -6.464 ms
Remote clock offset: -15.466 ms

Below is generated by plot.py at 2018-02-20 05:06:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.57 Mbit/s
95th percentile per-packet one-way delay: 32.145 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 80.57 Mbit/s
95th percentile per-packet one-way delay: 32.145 ms
Loss rate: 0.07%

Run 2: Report of LEDBAT — Data Link

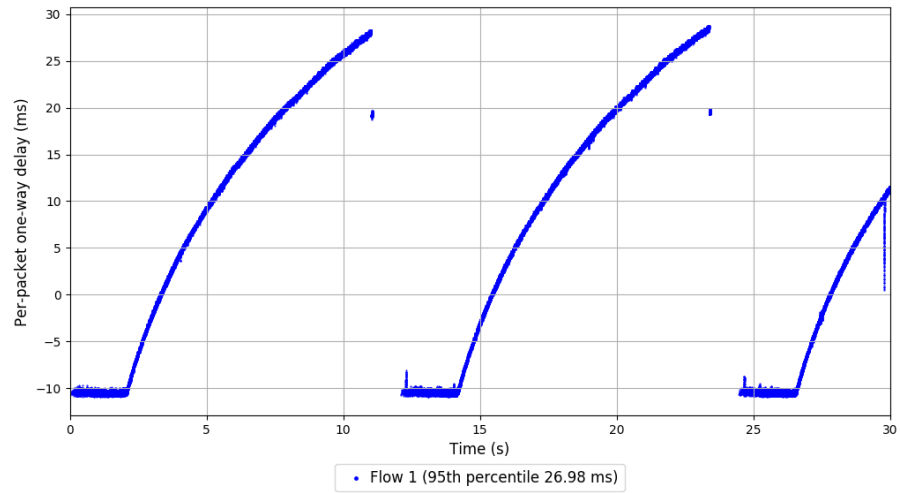
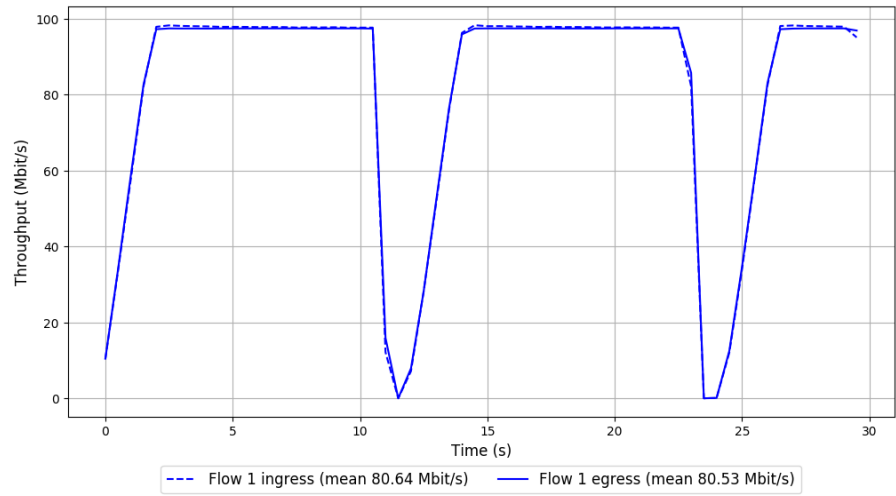


Run 3: Statistics of LEDBAT

Start at: 2018-02-20 01:33:37
End at: 2018-02-20 01:34:07
Local clock offset: -6.385 ms
Remote clock offset: -18.883 ms

Below is generated by plot.py at 2018-02-20 05:06:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.53 Mbit/s
95th percentile per-packet one-way delay: 26.978 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 80.53 Mbit/s
95th percentile per-packet one-way delay: 26.978 ms
Loss rate: 0.07%

Run 3: Report of LEDBAT — Data Link

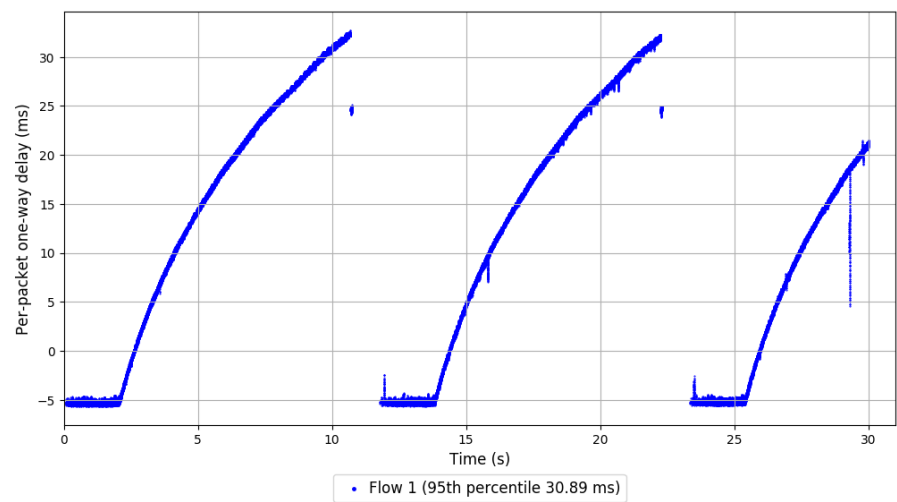
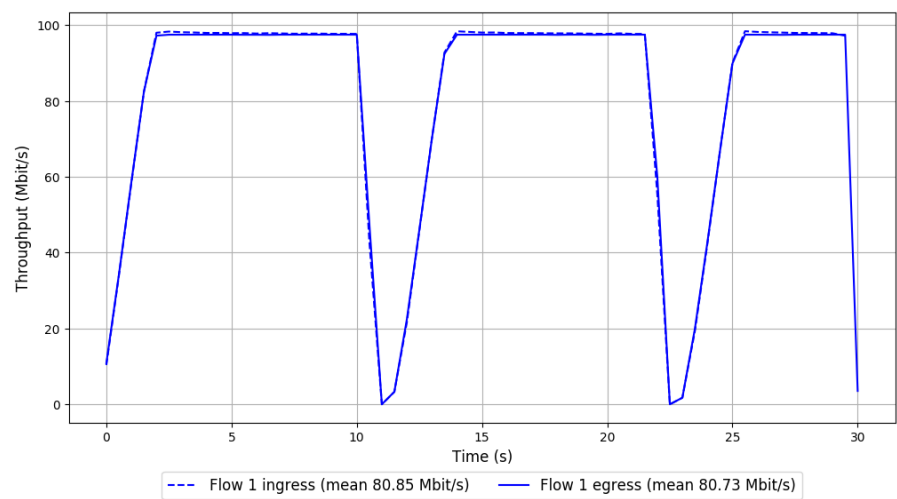


Run 4: Statistics of LEDBAT

Start at: 2018-02-20 01:56:04
End at: 2018-02-20 01:56:34
Local clock offset: -8.389 ms
Remote clock offset: -18.577 ms

Below is generated by plot.py at 2018-02-20 05:06:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.73 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 80.73 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link

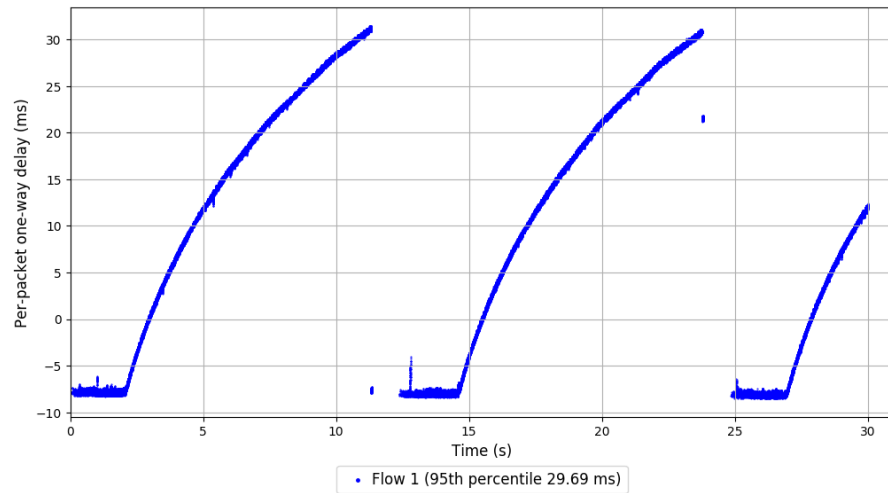
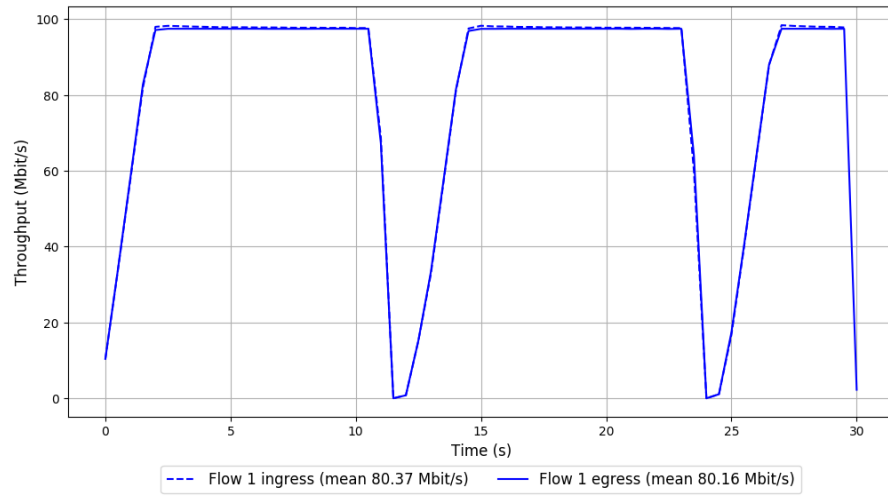


Run 5: Statistics of LEDBAT

Start at: 2018-02-20 02:18:30
End at: 2018-02-20 02:19:00
Local clock offset: -4.785 ms
Remote clock offset: -18.092 ms

Below is generated by plot.py at 2018-02-20 05:07:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.16 Mbit/s
95th percentile per-packet one-way delay: 29.690 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 80.16 Mbit/s
95th percentile per-packet one-way delay: 29.690 ms
Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link

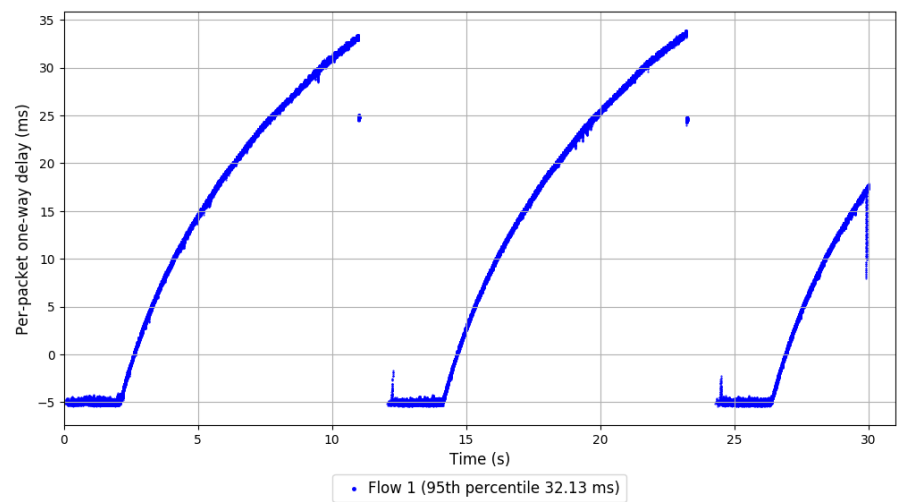
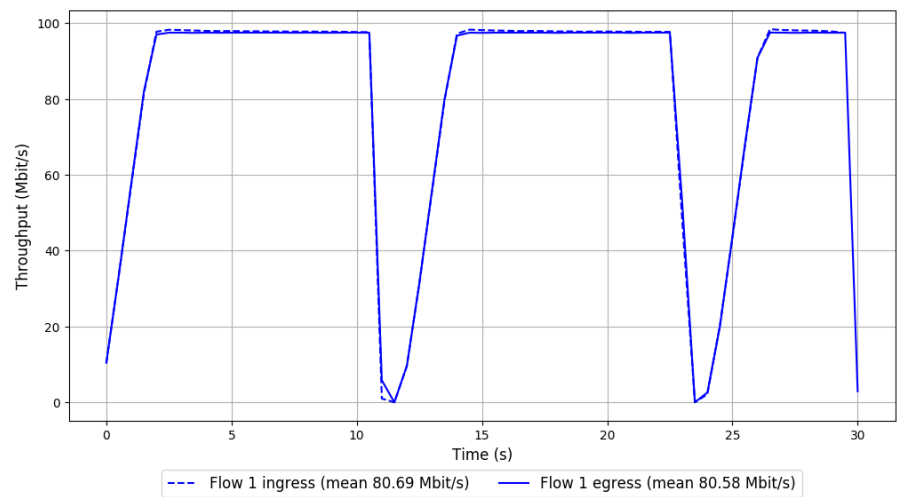


Run 6: Statistics of LEDBAT

Start at: 2018-02-20 02:40:53
End at: 2018-02-20 02:41:23
Local clock offset: -6.967 ms
Remote clock offset: -12.242 ms

Below is generated by plot.py at 2018-02-20 05:07:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 32.128 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 32.128 ms
Loss rate: 0.07%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-20 03:03:39

End at: 2018-02-20 03:04:09

Local clock offset: -4.447 ms

Remote clock offset: 3.102 ms

Below is generated by plot.py at 2018-02-20 05:07:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.20 Mbit/s

95th percentile per-packet one-way delay: 30.223 ms

Loss rate: 0.20%

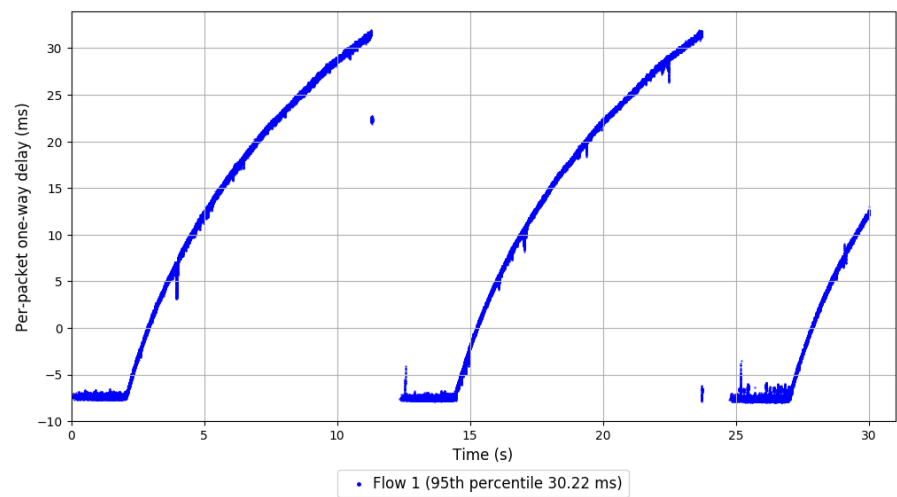
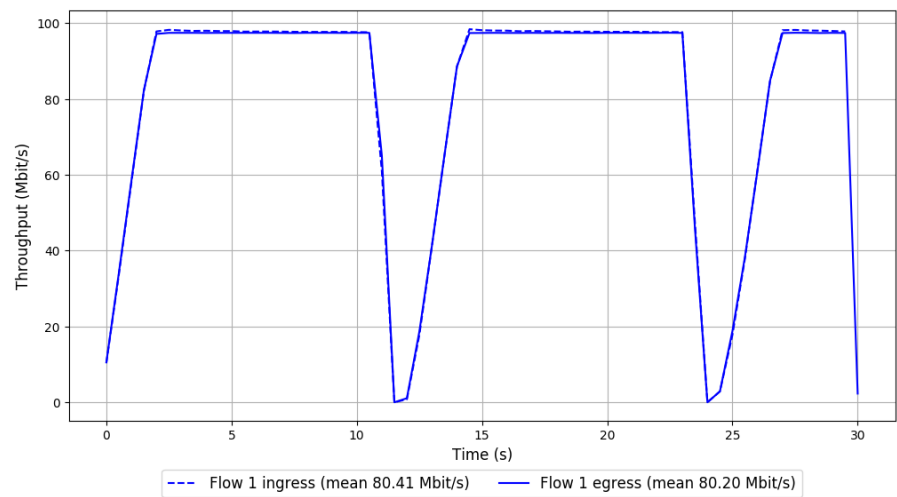
-- Flow 1:

Average throughput: 80.20 Mbit/s

95th percentile per-packet one-way delay: 30.223 ms

Loss rate: 0.20%

Run 7: Report of LEDBAT — Data Link

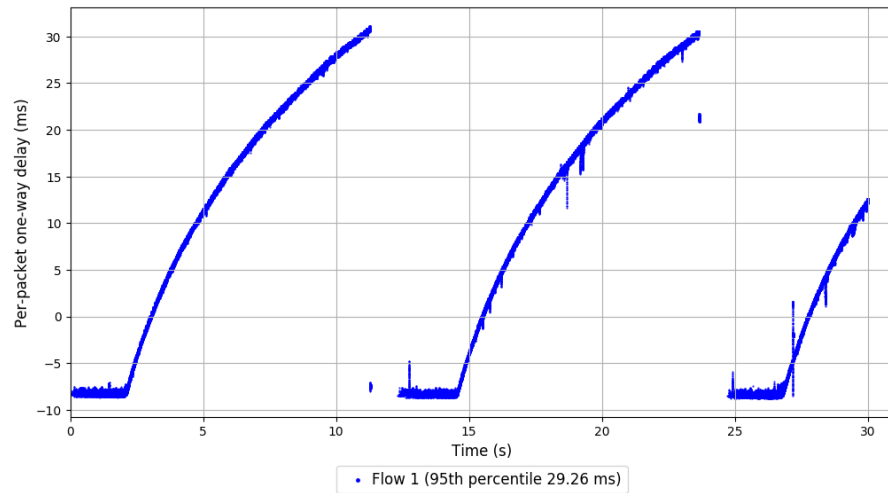
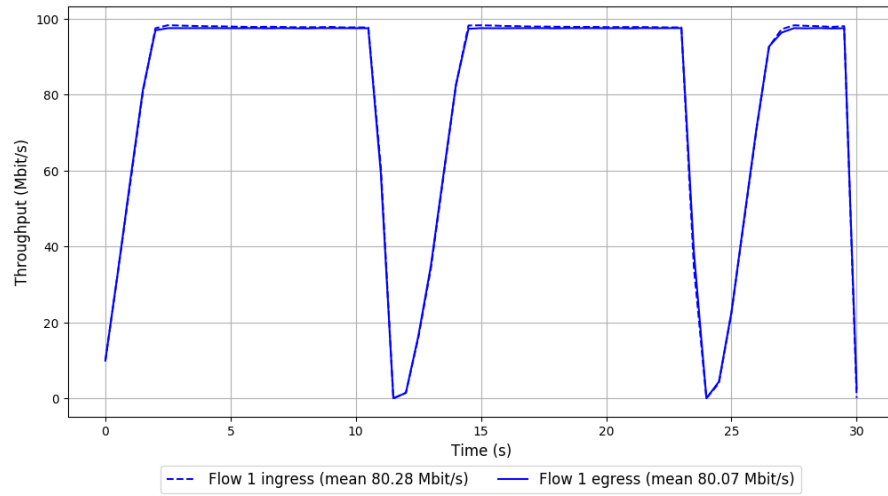


Run 8: Statistics of LEDBAT

Start at: 2018-02-20 03:26:35
End at: 2018-02-20 03:27:05
Local clock offset: -4.456 ms
Remote clock offset: 11.992 ms

Below is generated by plot.py at 2018-02-20 05:07:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.07 Mbit/s
95th percentile per-packet one-way delay: 29.261 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 80.07 Mbit/s
95th percentile per-packet one-way delay: 29.261 ms
Loss rate: 0.19%

Run 8: Report of LEDBAT — Data Link

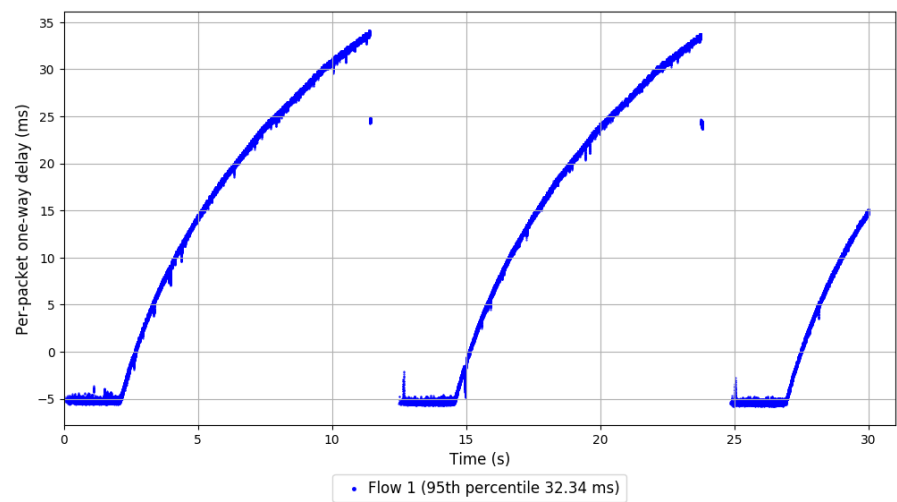
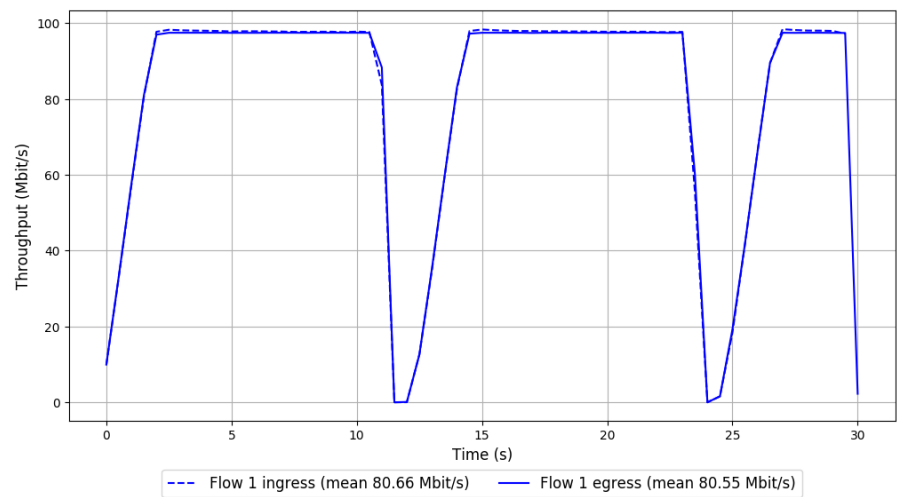


Run 9: Statistics of LEDBAT

Start at: 2018-02-20 03:49:44
End at: 2018-02-20 03:50:14
Local clock offset: -15.977 ms
Remote clock offset: 18.747 ms

Below is generated by plot.py at 2018-02-20 05:07:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.55 Mbit/s
95th percentile per-packet one-way delay: 32.337 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 80.55 Mbit/s
95th percentile per-packet one-way delay: 32.337 ms
Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

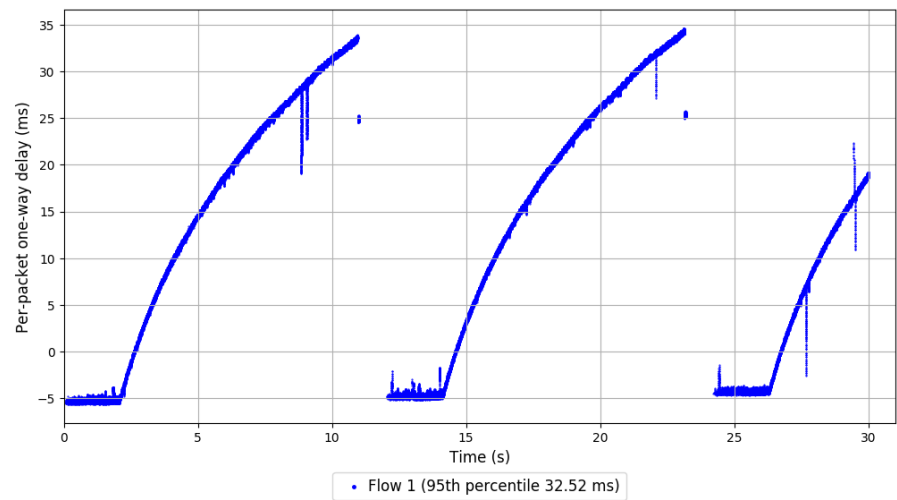
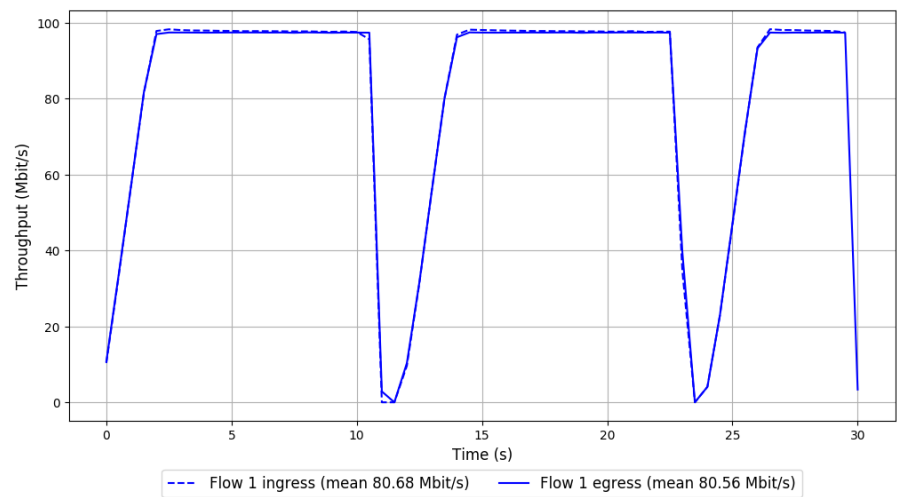


Run 10: Statistics of LEDBAT

Start at: 2018-02-20 04:12:30
End at: 2018-02-20 04:13:00
Local clock offset: -6.129 ms
Remote clock offset: -18.639 ms

Below is generated by plot.py at 2018-02-20 05:07:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.56 Mbit/s
95th percentile per-packet one-way delay: 32.523 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 80.56 Mbit/s
95th percentile per-packet one-way delay: 32.523 ms
Loss rate: 0.07%

Run 10: Report of LEDBAT — Data Link

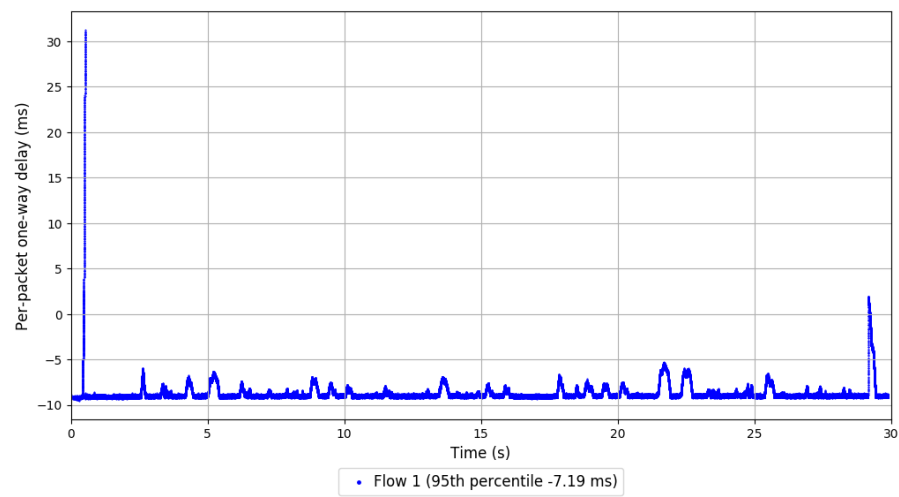
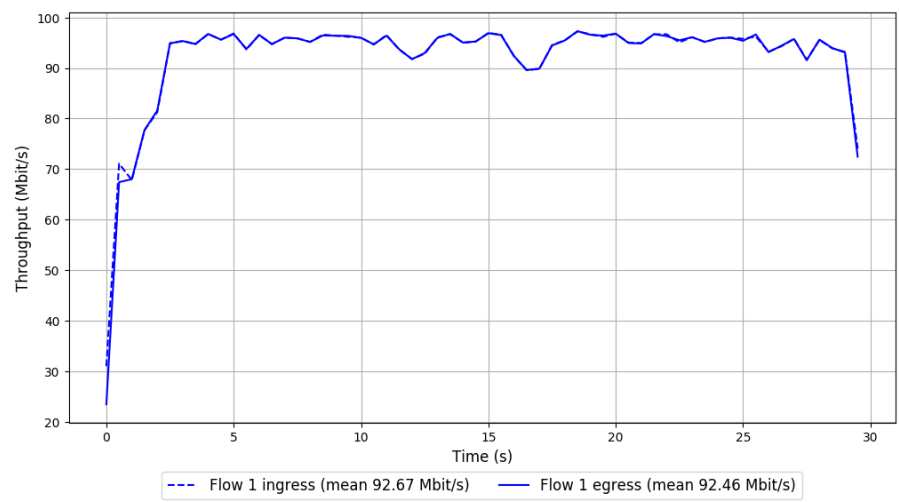


Run 1: Statistics of PCC

Start at: 2018-02-20 01:03:52
End at: 2018-02-20 01:04:22
Local clock offset: -4.037 ms
Remote clock offset: -16.845 ms

Below is generated by plot.py at 2018-02-20 05:08:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: -7.186 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: -7.186 ms
Loss rate: 0.22%

Run 1: Report of PCC — Data Link

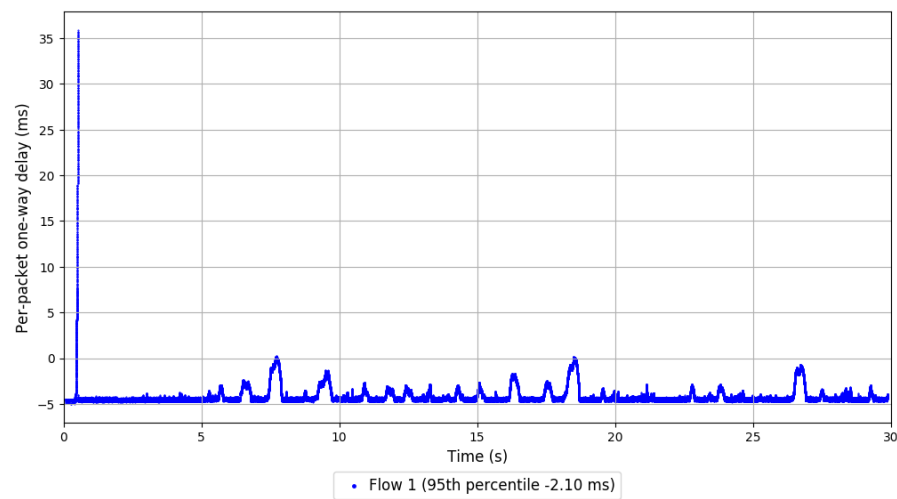
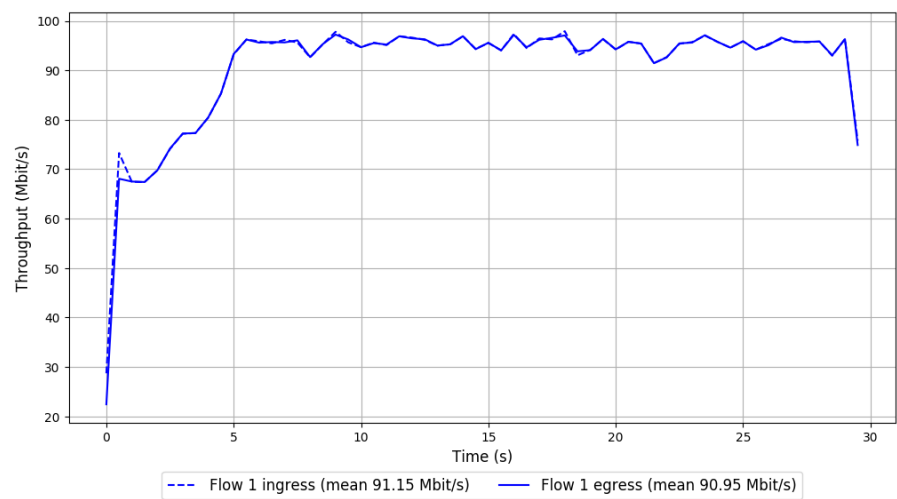


Run 2: Statistics of PCC

Start at: 2018-02-20 01:25:56
End at: 2018-02-20 01:26:26
Local clock offset: -8.52 ms
Remote clock offset: -15.221 ms

Below is generated by plot.py at 2018-02-20 05:08:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: -2.095 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: -2.095 ms
Loss rate: 0.22%

Run 2: Report of PCC — Data Link

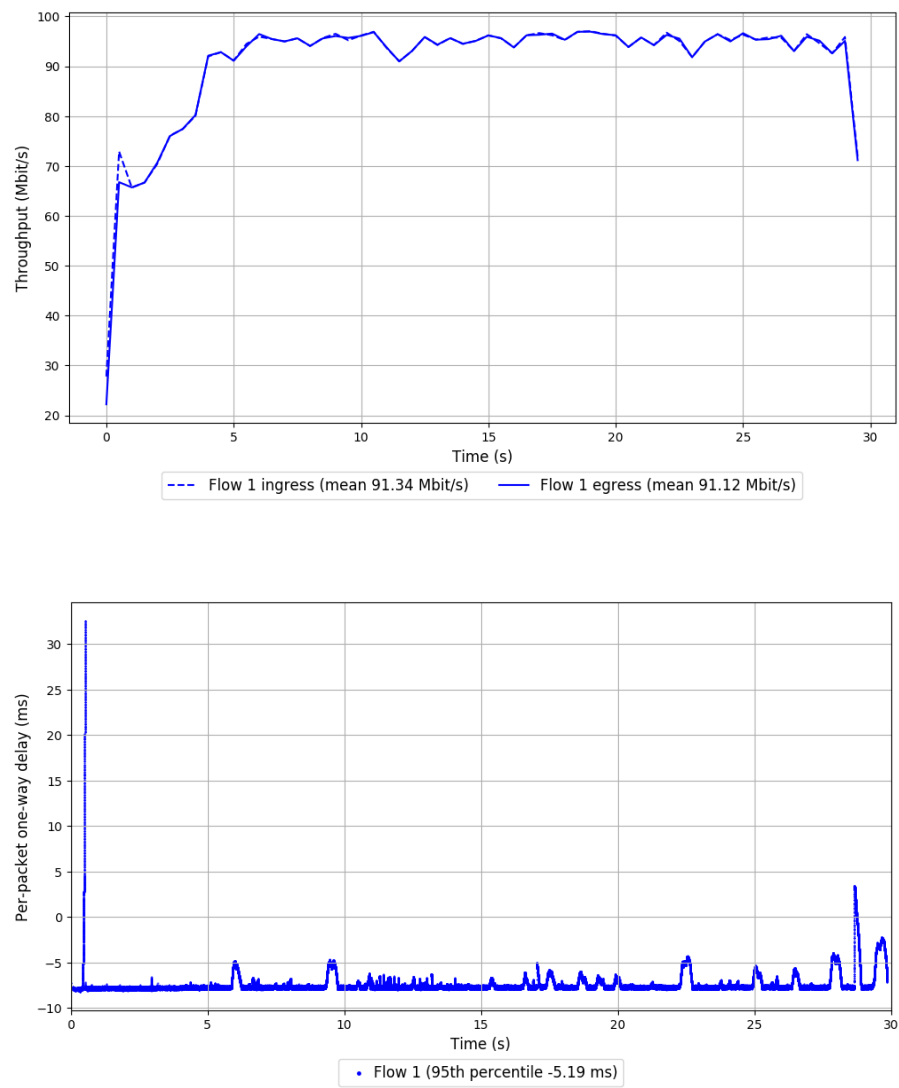


Run 3: Statistics of PCC

Start at: 2018-02-20 01:48:19
End at: 2018-02-20 01:48:49
Local clock offset: -7.243 ms
Remote clock offset: -17.797 ms

Below is generated by plot.py at 2018-02-20 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: -5.186 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: -5.186 ms
Loss rate: 0.23%

Run 3: Report of PCC — Data Link

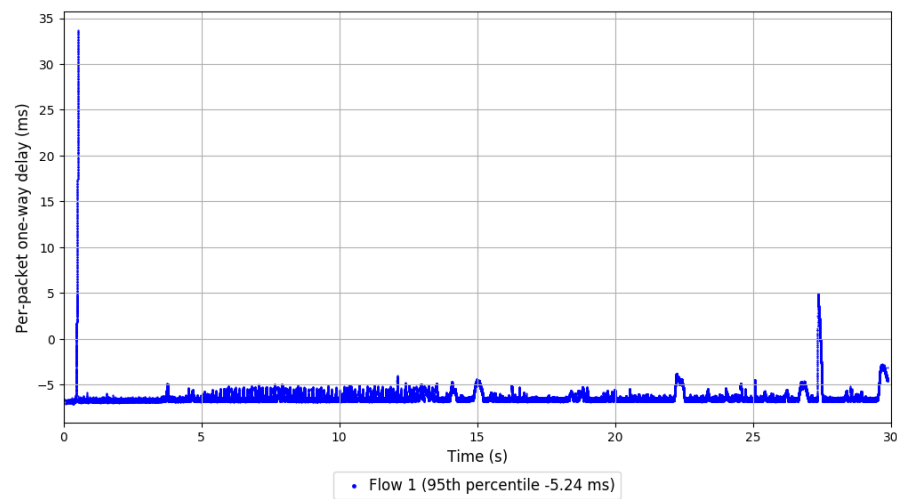
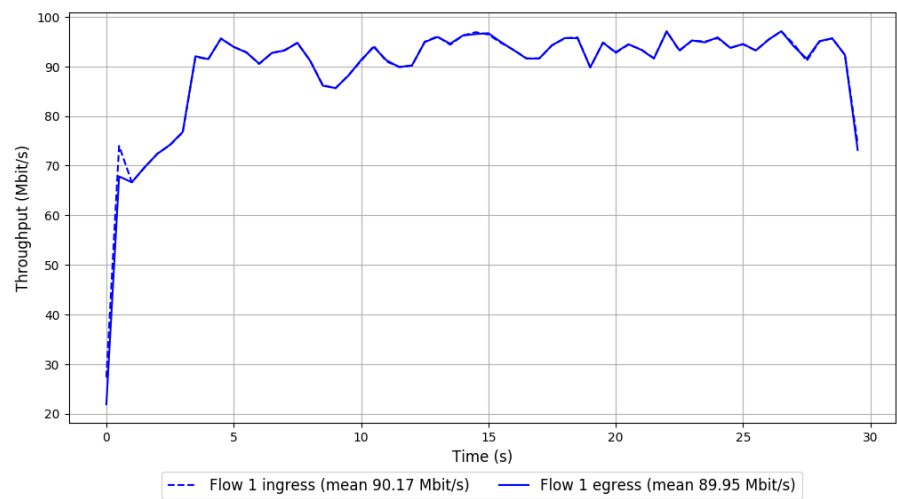


Run 4: Statistics of PCC

Start at: 2018-02-20 02:10:48
End at: 2018-02-20 02:11:18
Local clock offset: -5.507 ms
Remote clock offset: -19.058 ms

Below is generated by plot.py at 2018-02-20 05:09:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: -5.242 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: -5.242 ms
Loss rate: 0.23%

Run 4: Report of PCC — Data Link

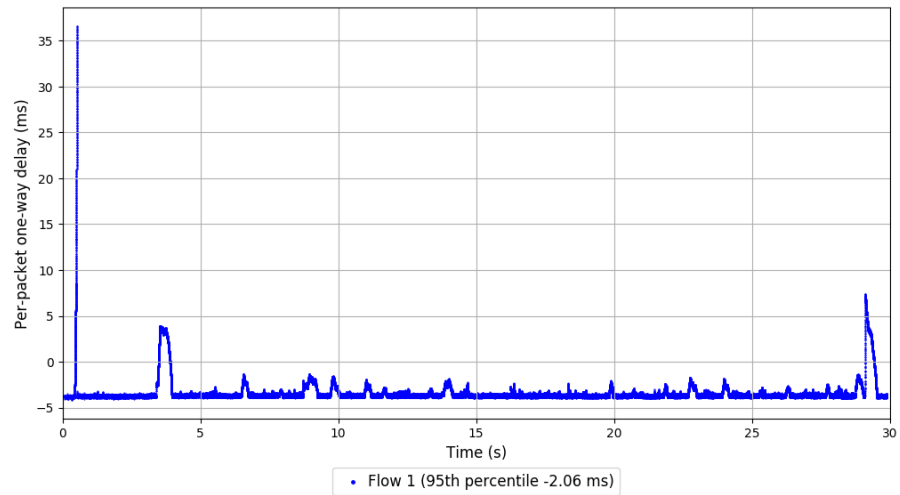
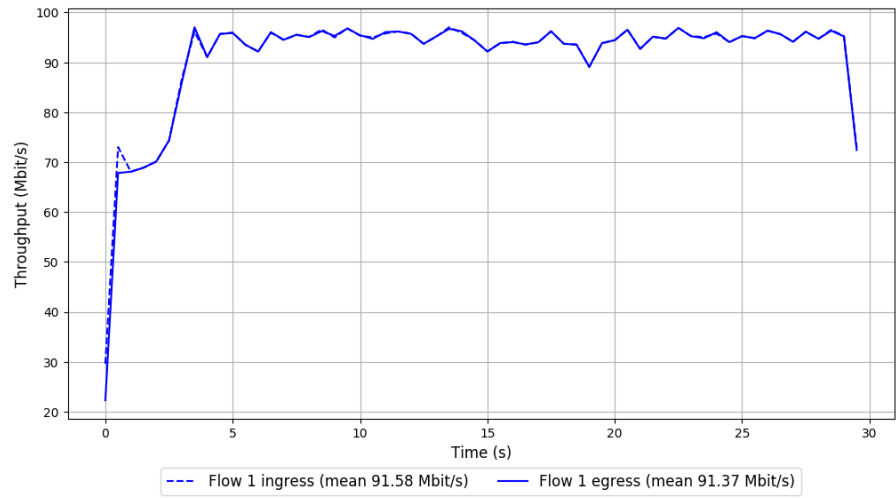


Run 5: Statistics of PCC

Start at: 2018-02-20 02:33:08
End at: 2018-02-20 02:33:38
Local clock offset: -7.562 ms
Remote clock offset: -12.06 ms

Below is generated by plot.py at 2018-02-20 05:09:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: -2.064 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: -2.064 ms
Loss rate: 0.24%

Run 5: Report of PCC — Data Link

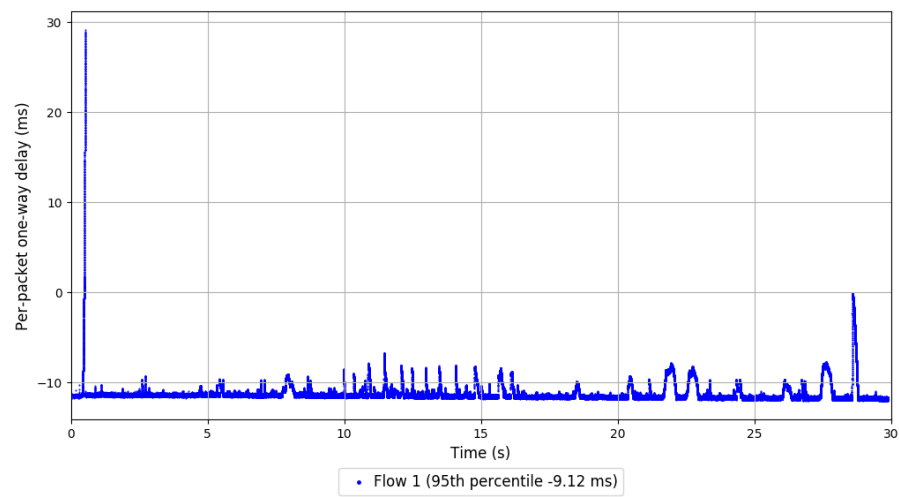
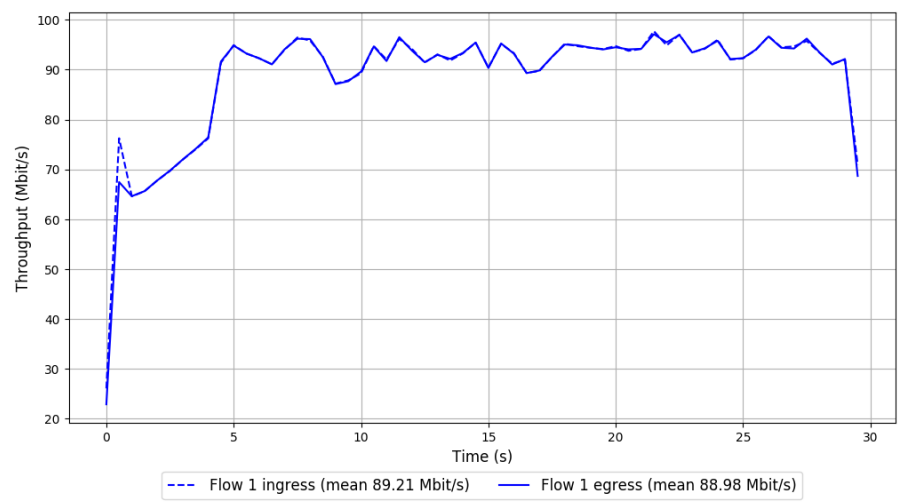


Run 6: Statistics of PCC

Start at: 2018-02-20 02:55:50
End at: 2018-02-20 02:56:20
Local clock offset: -3.27 ms
Remote clock offset: -6.301 ms

Below is generated by plot.py at 2018-02-20 05:09:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.98 Mbit/s
95th percentile per-packet one-way delay: -9.125 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 88.98 Mbit/s
95th percentile per-packet one-way delay: -9.125 ms
Loss rate: 0.25%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-20 03:18:30

End at: 2018-02-20 03:19:00

Local clock offset: -7.603 ms

Remote clock offset: 7.103 ms

Below is generated by plot.py at 2018-02-20 05:09:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: -4.730 ms

Loss rate: 0.22%

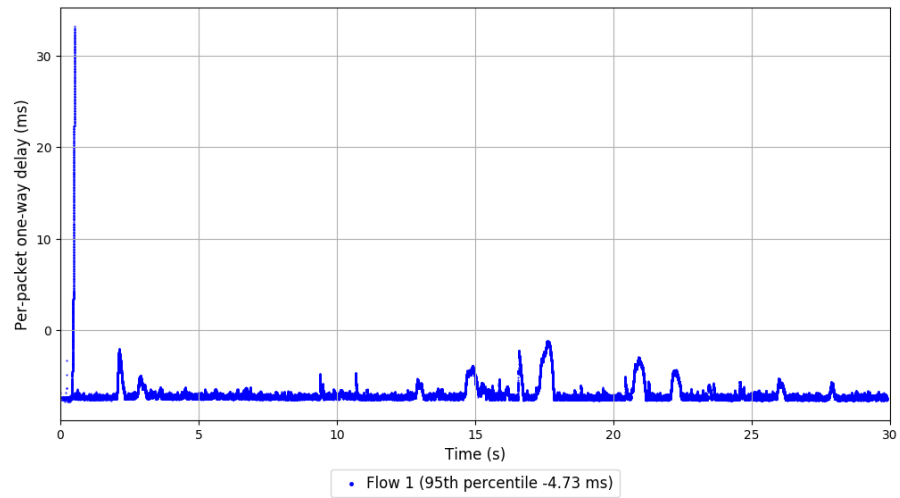
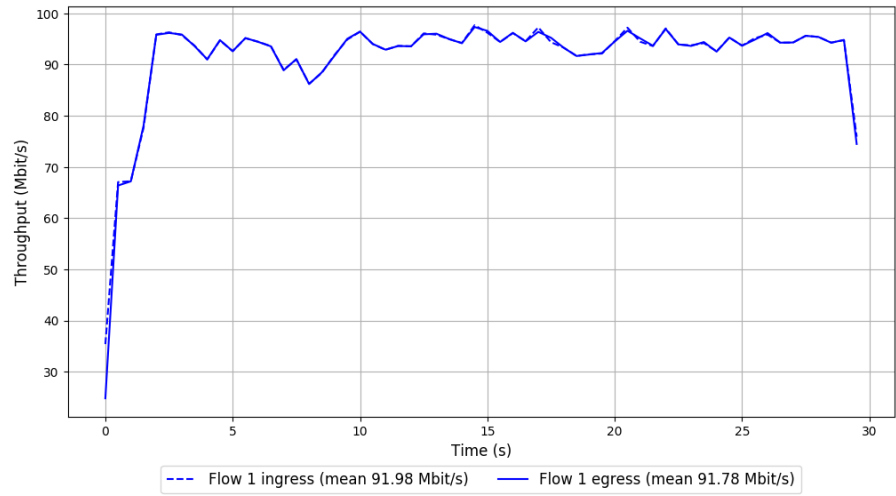
-- Flow 1:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: -4.730 ms

Loss rate: 0.22%

Run 7: Report of PCC — Data Link

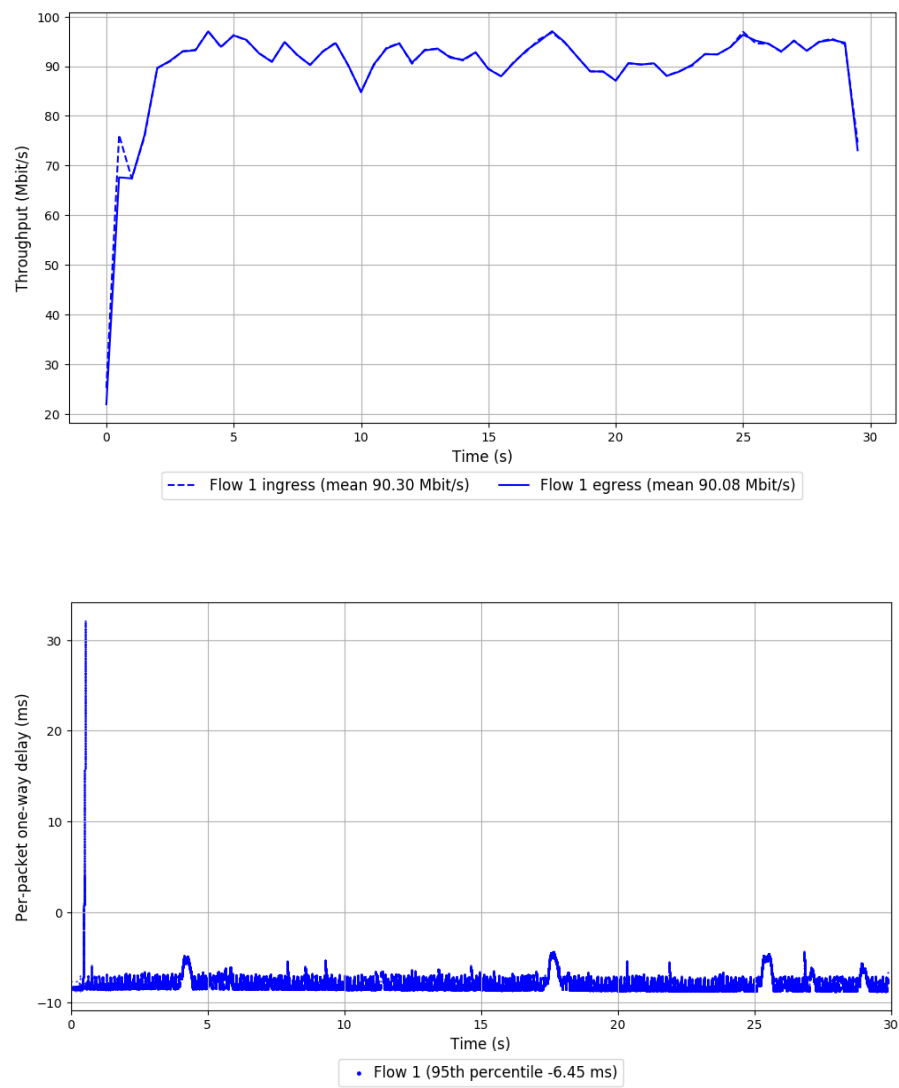


Run 8: Statistics of PCC

Start at: 2018-02-20 03:41:28
End at: 2018-02-20 03:41:58
Local clock offset: -10.083 ms
Remote clock offset: 17.038 ms

Below is generated by plot.py at 2018-02-20 05:09:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.08 Mbit/s
95th percentile per-packet one-way delay: -6.448 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 90.08 Mbit/s
95th percentile per-packet one-way delay: -6.448 ms
Loss rate: 0.24%

Run 8: Report of PCC — Data Link

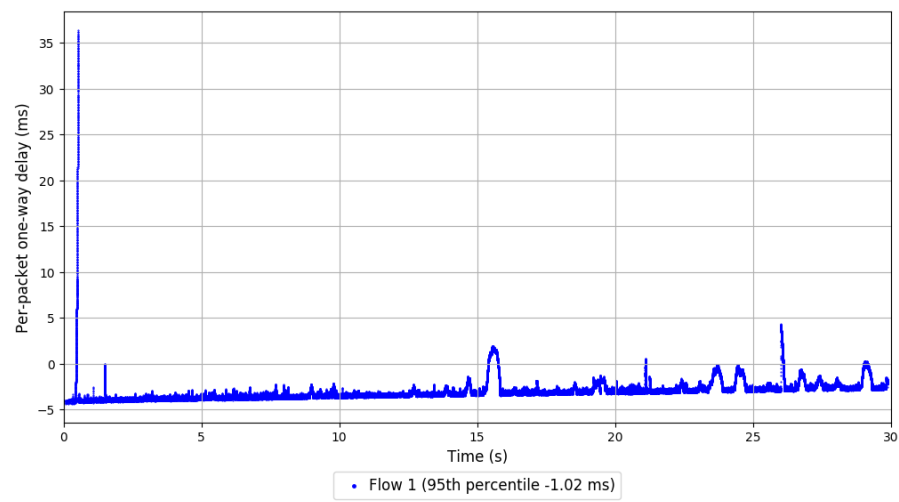
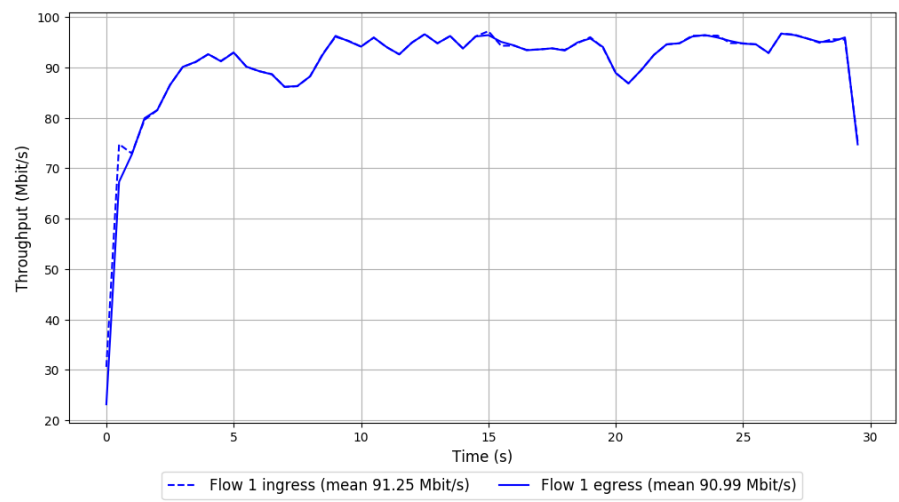


Run 9: Statistics of PCC

Start at: 2018-02-20 04:04:26
End at: 2018-02-20 04:04:56
Local clock offset: -17.398 ms
Remote clock offset: -1.266 ms

Below is generated by plot.py at 2018-02-20 05:09:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: -1.016 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: -1.016 ms
Loss rate: 0.28%

Run 9: Report of PCC — Data Link

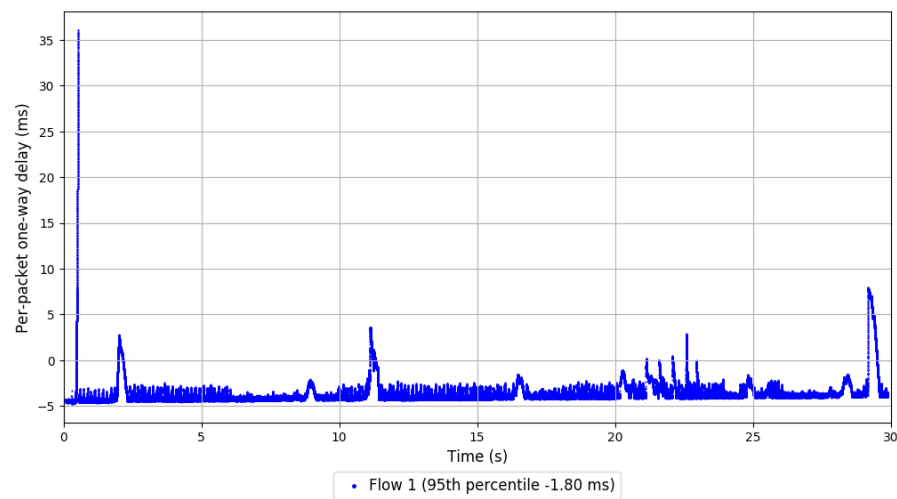
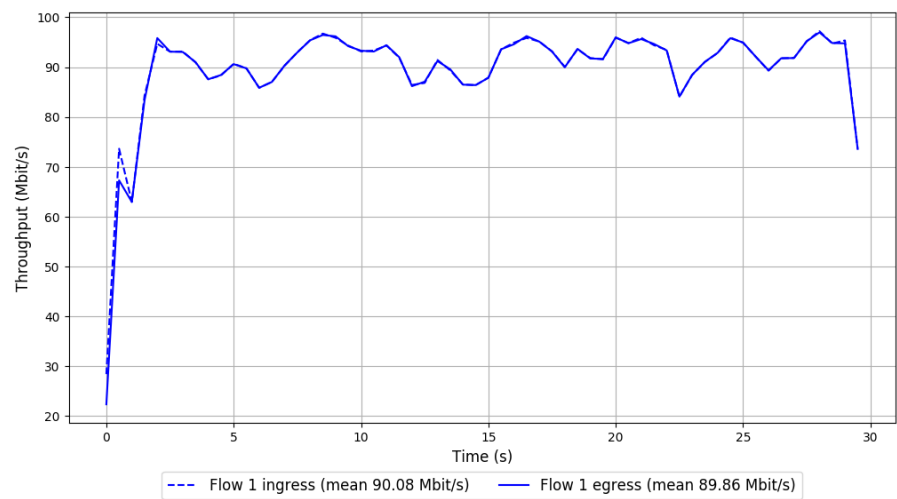


Run 10: Statistics of PCC

Start at: 2018-02-20 04:27:30
End at: 2018-02-20 04:28:00
Local clock offset: 3.945 ms
Remote clock offset: -31.118 ms

Below is generated by plot.py at 2018-02-20 05:09:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: -1.796 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: -1.796 ms
Loss rate: 0.24%

Run 10: Report of PCC — Data Link

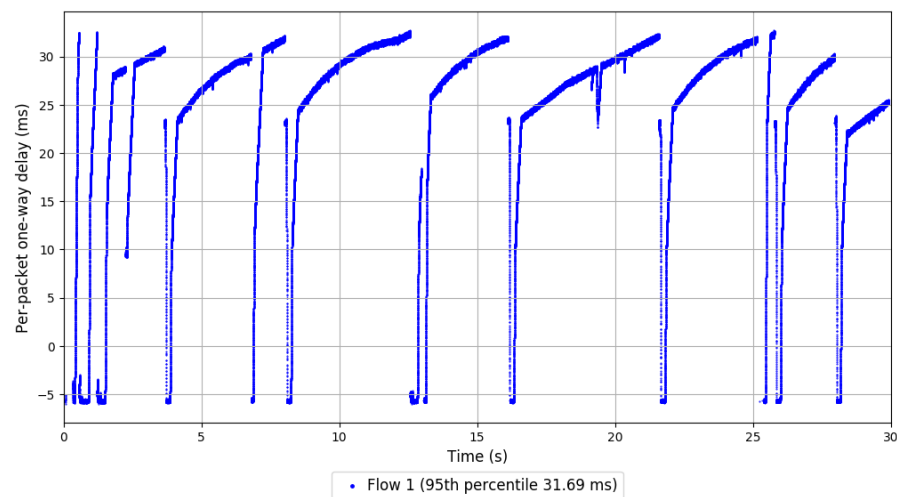
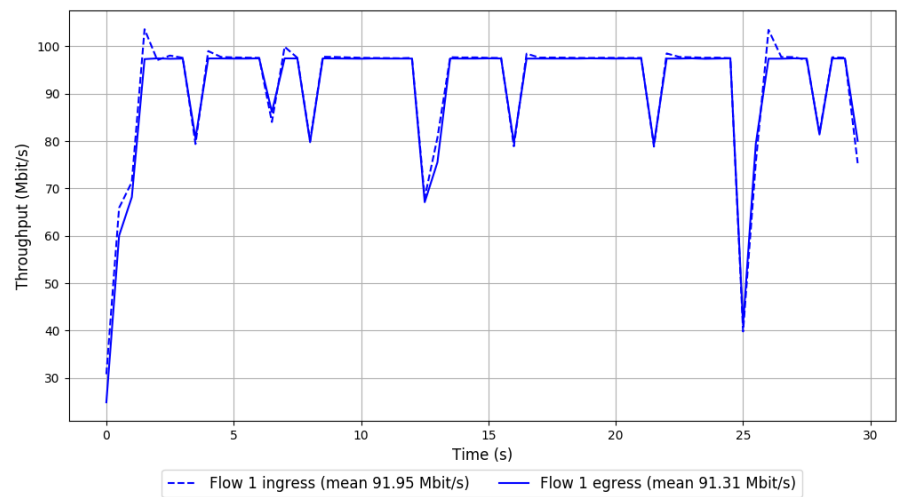


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-20 00:56:46
End at: 2018-02-20 00:57:16
Local clock offset: -7.777 ms
Remote clock offset: -16.743 ms

Below is generated by plot.py at 2018-02-20 05:10:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 31.687 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 31.687 ms
Loss rate: 0.60%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-20 01:18:47

End at: 2018-02-20 01:19:17

Local clock offset: -8.44 ms

Remote clock offset: -16.47 ms

Below is generated by plot.py at 2018-02-20 05:10:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 29.213 ms

Loss rate: 0.34%

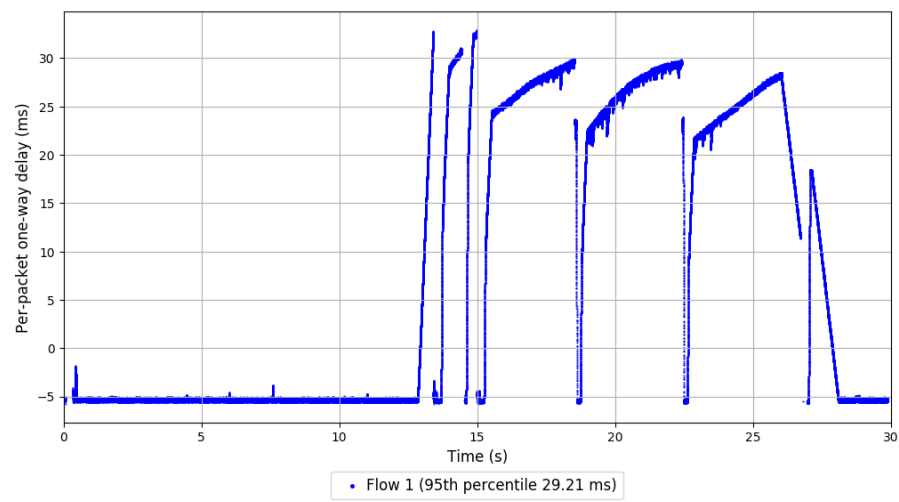
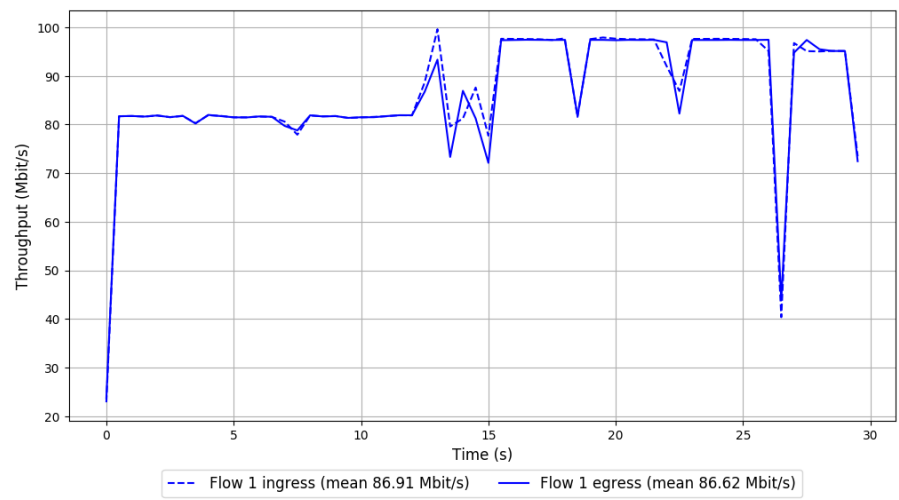
-- Flow 1:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 29.213 ms

Loss rate: 0.34%

Run 2: Report of QUIC Cubic — Data Link

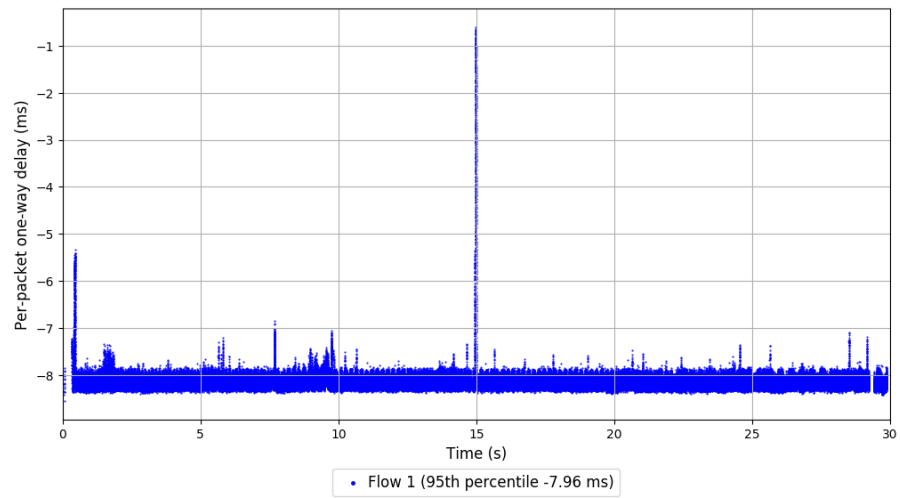
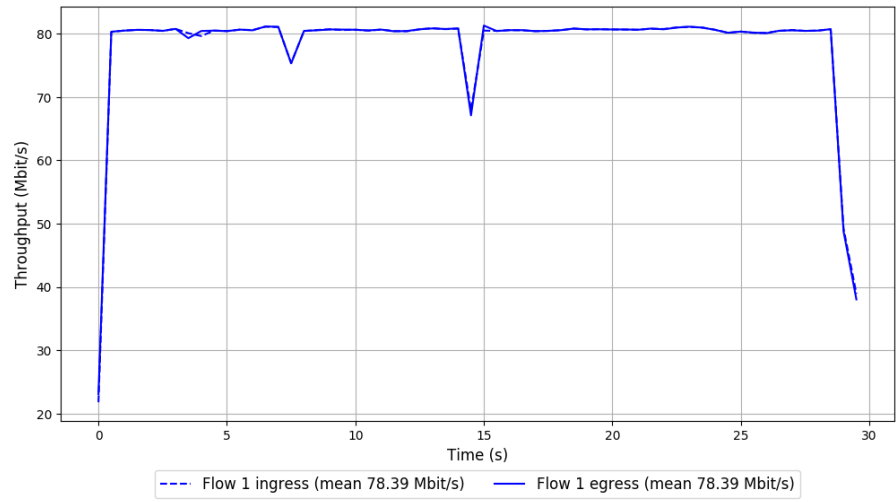


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-20 01:40:56
End at: 2018-02-20 01:41:26
Local clock offset: -6.821 ms
Remote clock offset: -16.815 ms

Below is generated by plot.py at 2018-02-20 05:10:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.39 Mbit/s
95th percentile per-packet one-way delay: -7.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.39 Mbit/s
95th percentile per-packet one-way delay: -7.955 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

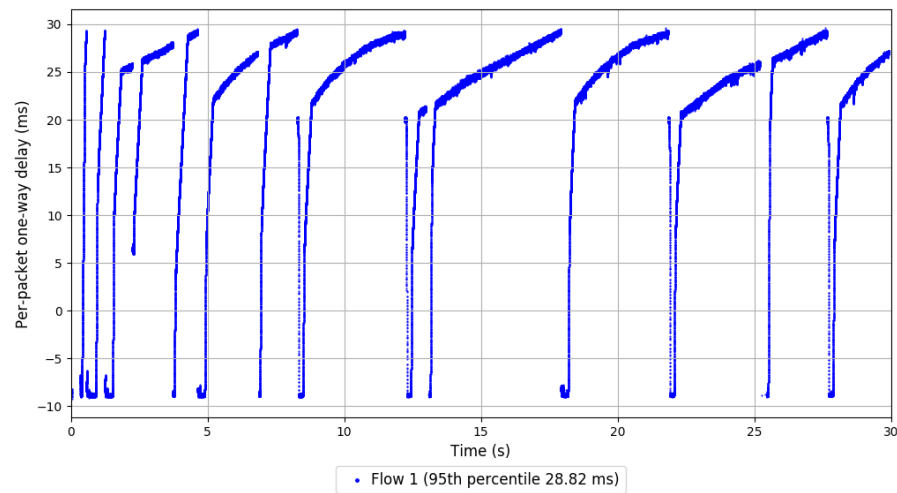
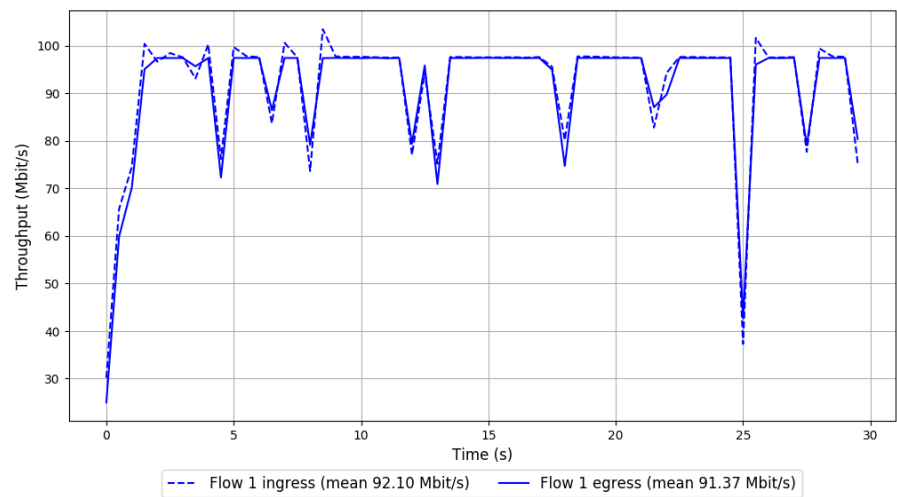


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-20 02:03:34
End at: 2018-02-20 02:04:04
Local clock offset: -6.019 ms
Remote clock offset: -20.804 ms

Below is generated by plot.py at 2018-02-20 05:10:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 28.820 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 28.820 ms
Loss rate: 0.68%

Run 4: Report of QUIC Cubic — Data Link

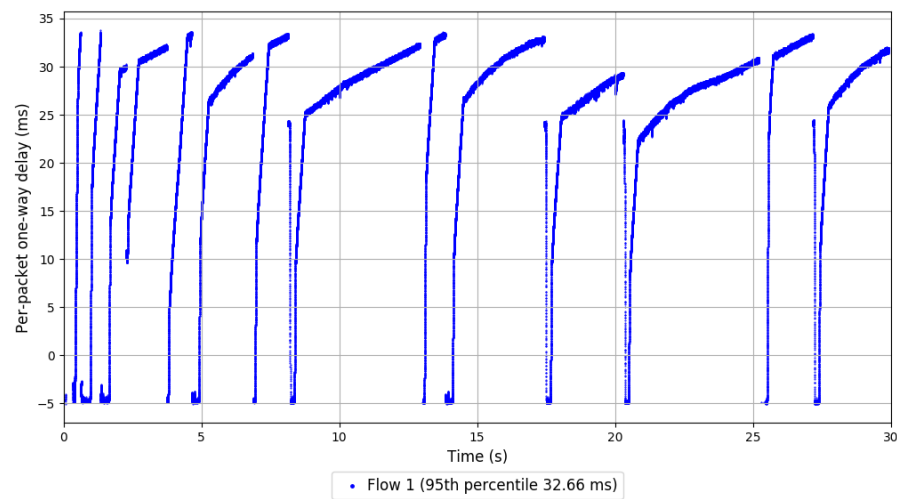
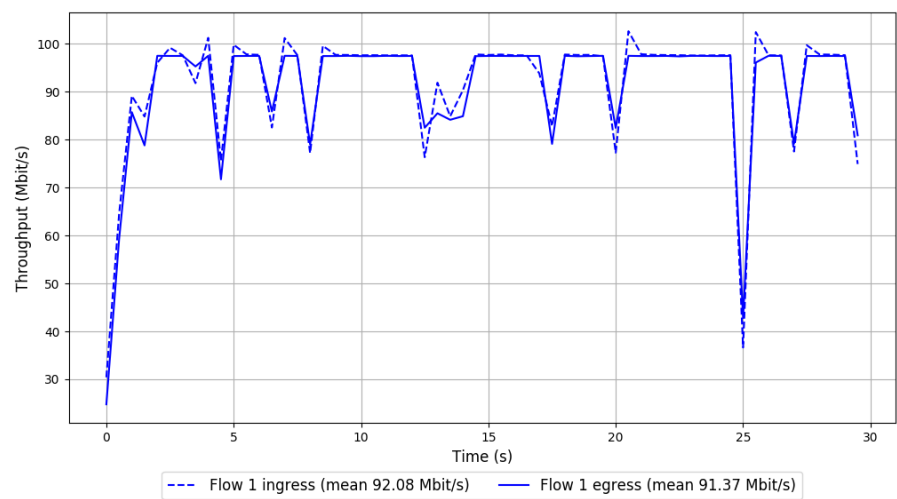


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-20 02:25:57
End at: 2018-02-20 02:26:27
Local clock offset: -7.626 ms
Remote clock offset: -14.442 ms

Below is generated by plot.py at 2018-02-20 05:10:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 32.657 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 32.657 ms
Loss rate: 0.64%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-20 02:48:25

End at: 2018-02-20 02:48:55

Local clock offset: -6.768 ms

Remote clock offset: -10.9 ms

Below is generated by plot.py at 2018-02-20 05:10:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.09 Mbit/s

95th percentile per-packet one-way delay: 33.138 ms

Loss rate: 0.71%

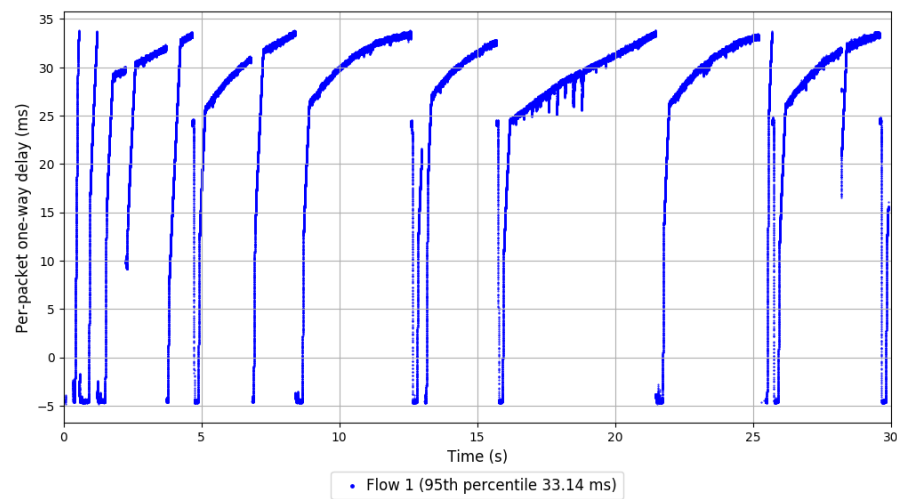
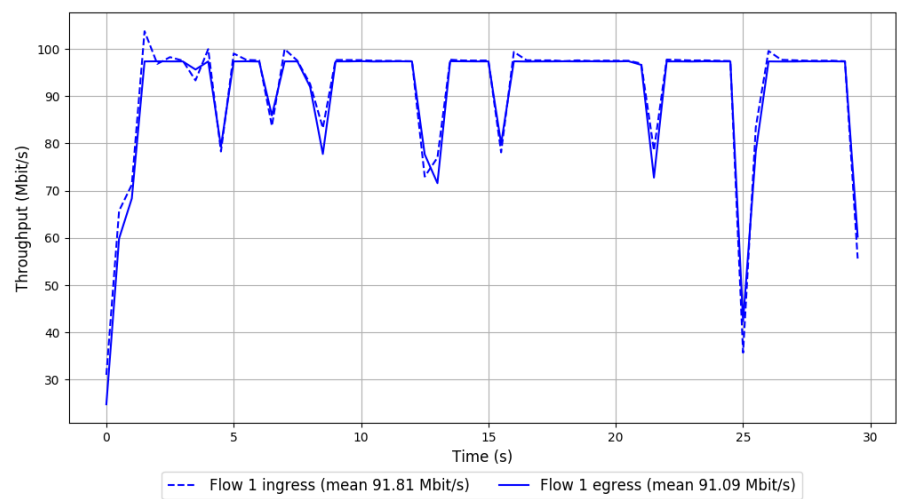
-- Flow 1:

Average throughput: 91.09 Mbit/s

95th percentile per-packet one-way delay: 33.138 ms

Loss rate: 0.71%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-20 03:11:10

End at: 2018-02-20 03:11:40

Local clock offset: -7.39 ms

Remote clock offset: 7.546 ms

Below is generated by plot.py at 2018-02-20 05:11:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 33.146 ms

Loss rate: 0.61%

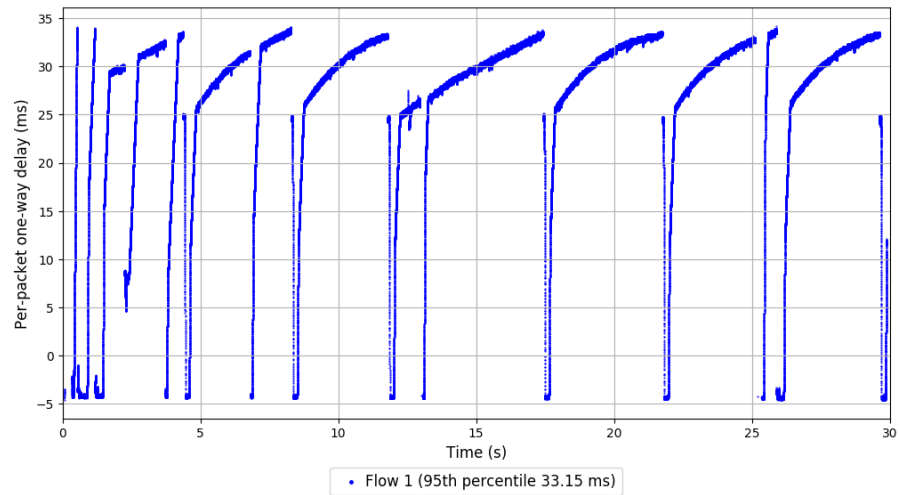
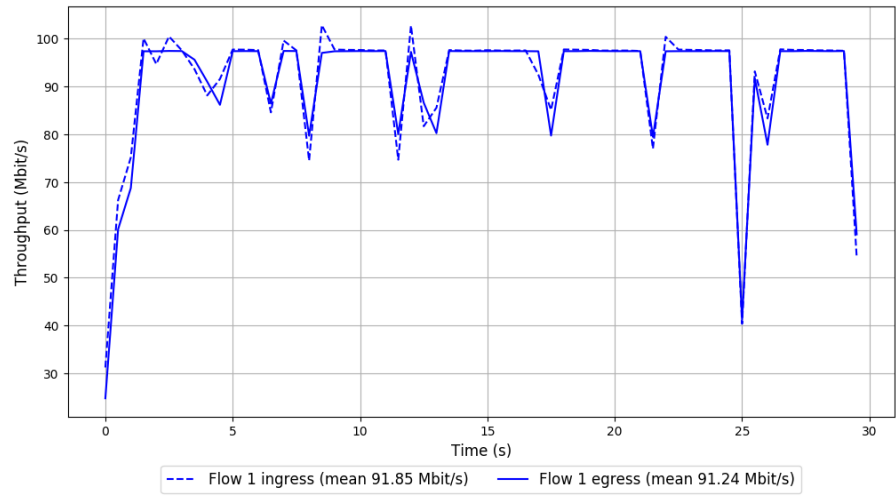
-- Flow 1:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 33.146 ms

Loss rate: 0.61%

Run 7: Report of QUIC Cubic — Data Link

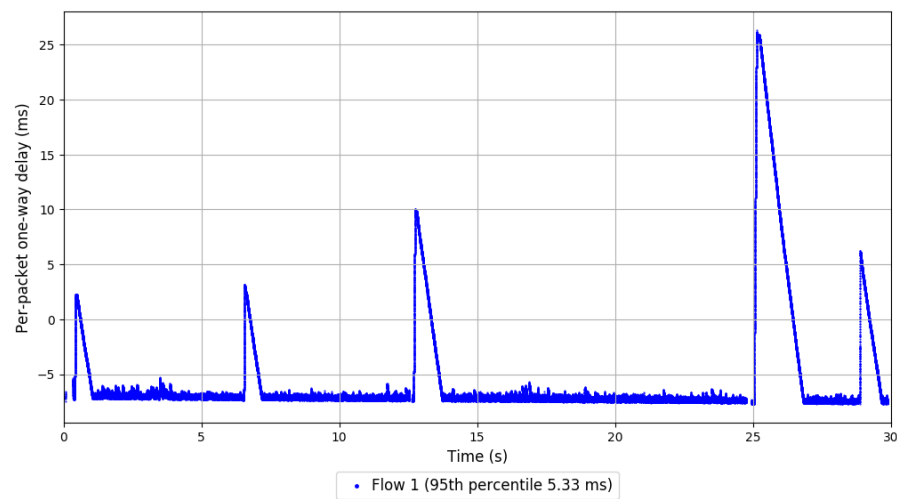
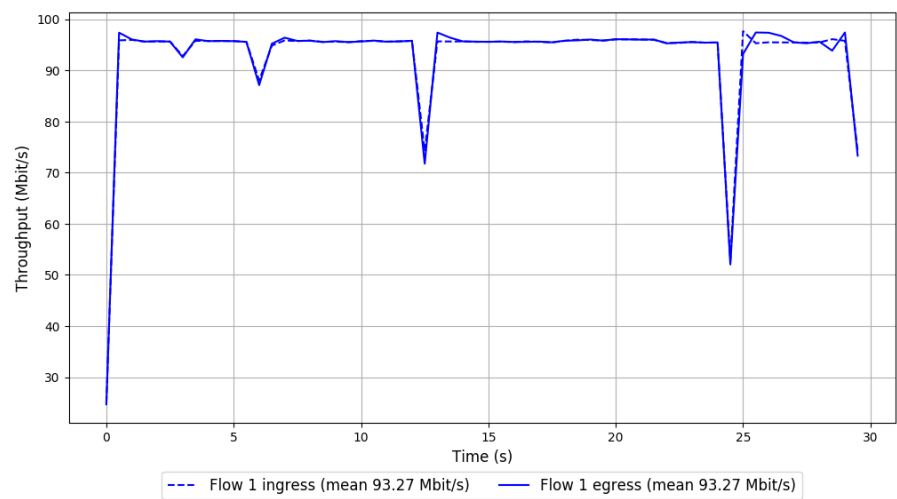


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-20 03:34:09
End at: 2018-02-20 03:34:39
Local clock offset: -7.569 ms
Remote clock offset: 14.861 ms

Below is generated by plot.py at 2018-02-20 05:11:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 5.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 5.328 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

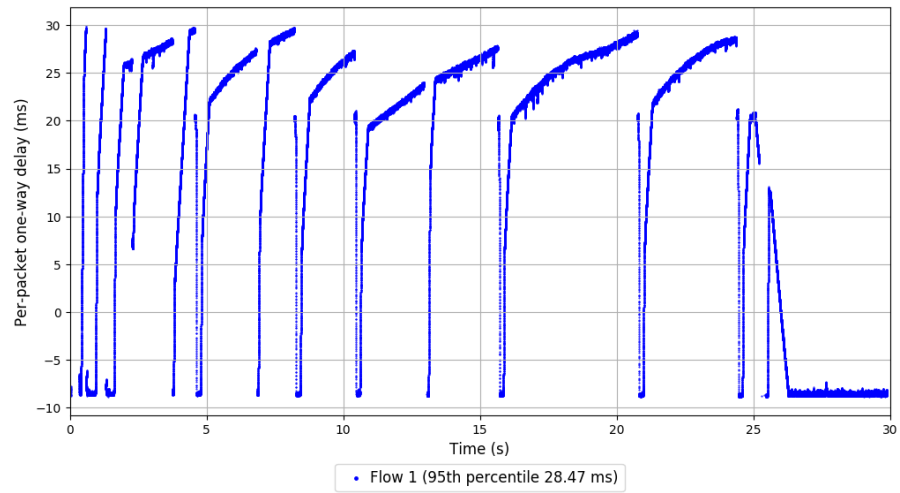
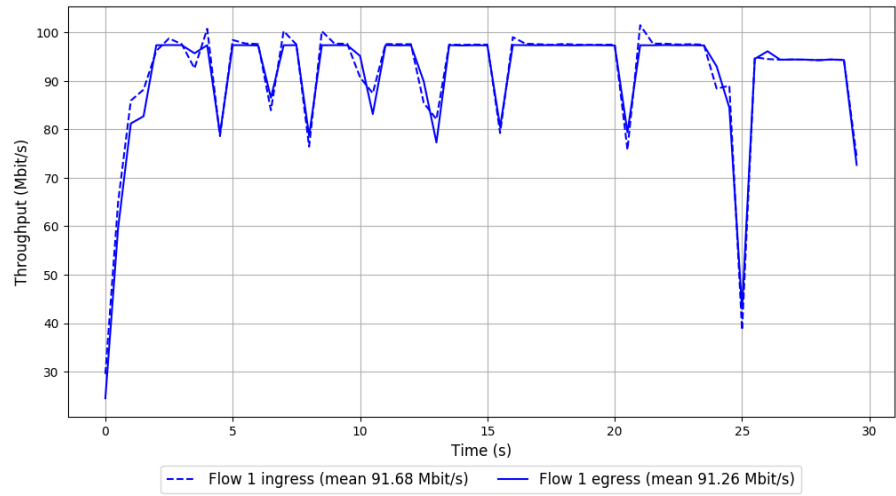


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-20 03:57:10
End at: 2018-02-20 03:57:40
Local clock offset: -13.954 ms
Remote clock offset: 21.121 ms

Below is generated by plot.py at 2018-02-20 05:12:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 28.472 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 28.472 ms
Loss rate: 0.46%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-20 04:19:59

End at: 2018-02-20 04:20:29

Local clock offset: 0.306 ms

Remote clock offset: -27.749 ms

Below is generated by plot.py at 2018-02-20 05:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 30.306 ms

Loss rate: 0.38%

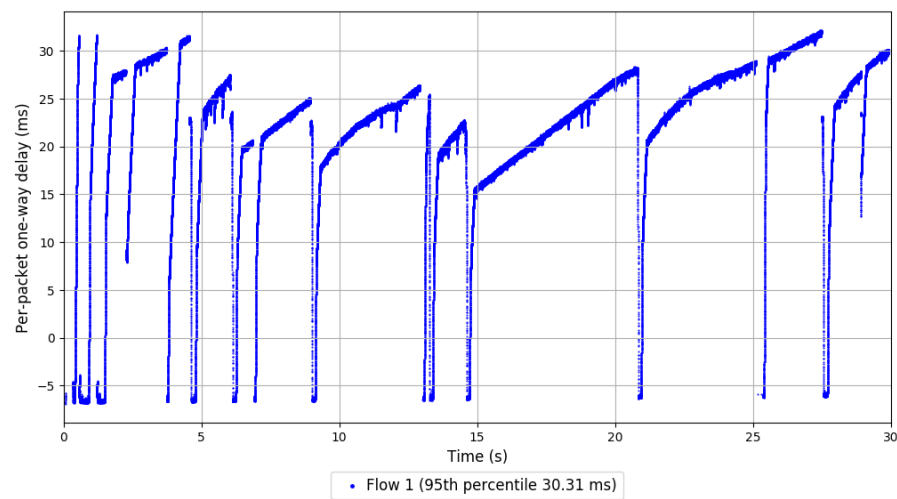
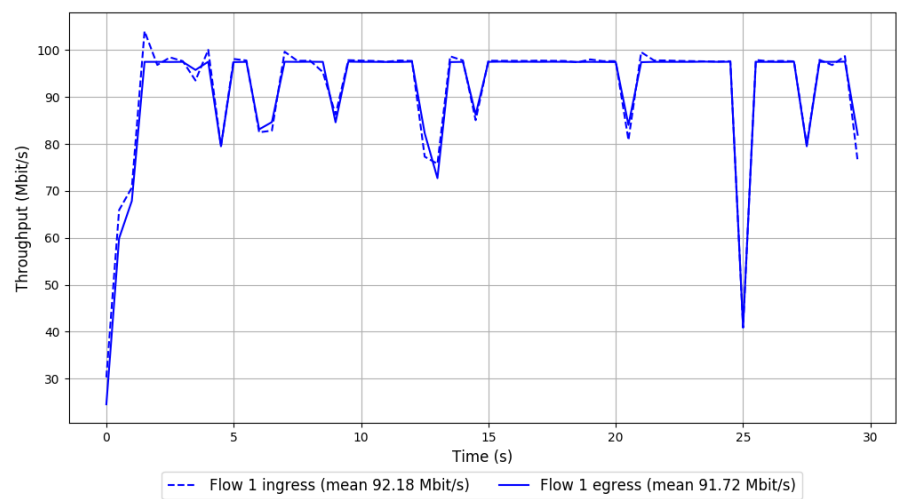
-- Flow 1:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 30.306 ms

Loss rate: 0.38%

Run 10: Report of QUIC Cubic — Data Link

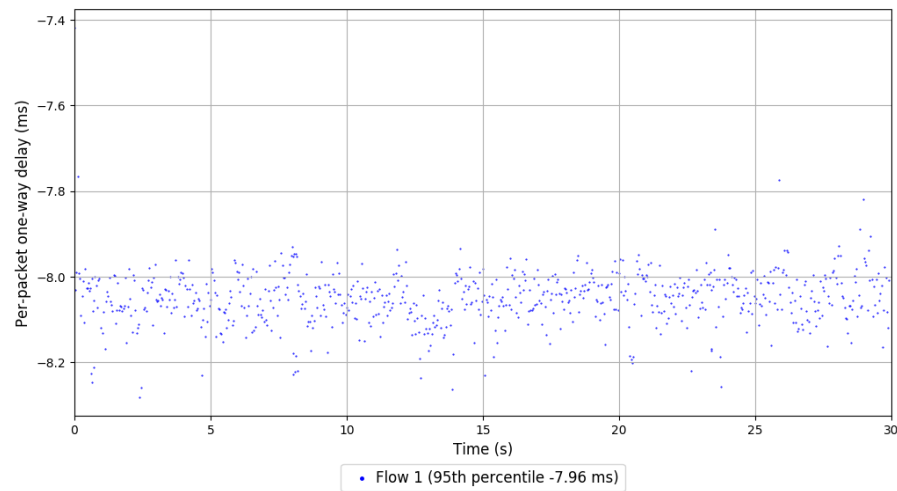
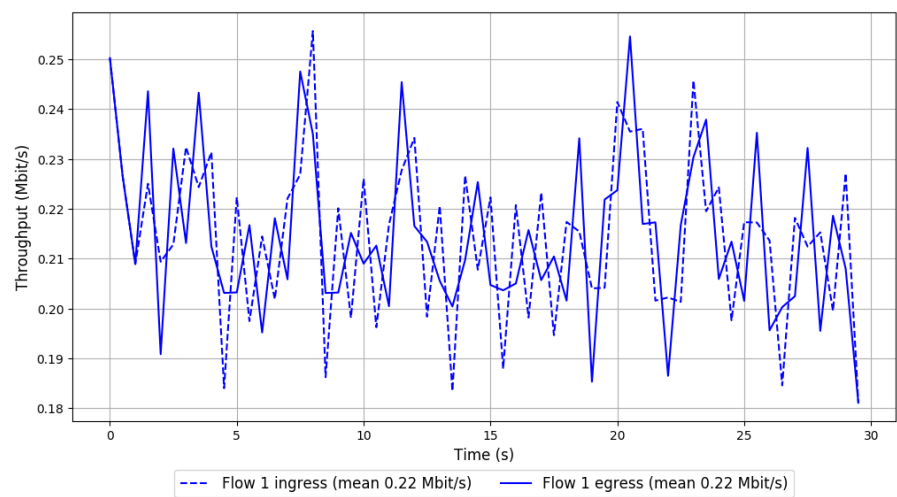


Run 1: Statistics of SCReAM

Start at: 2018-02-20 00:59:11
End at: 2018-02-20 00:59:41
Local clock offset: -6.048 ms
Remote clock offset: -17.547 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.964 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

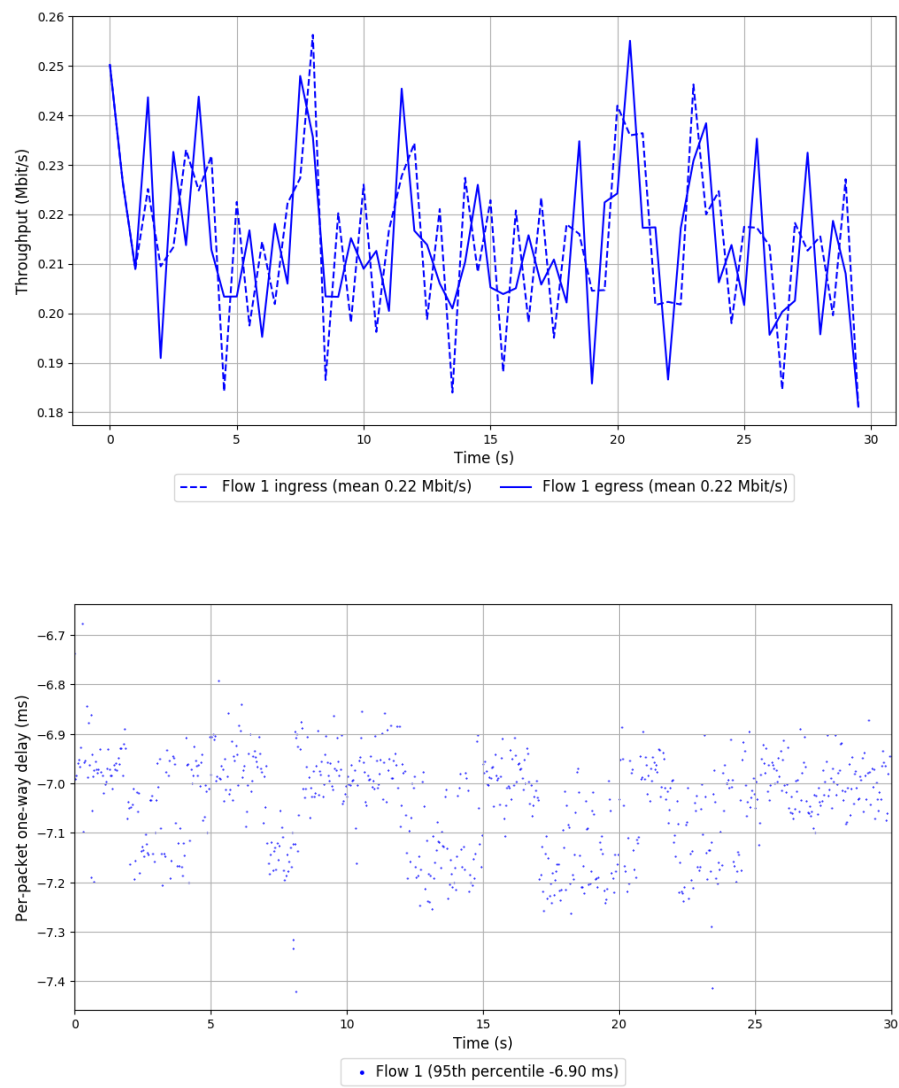


Run 2: Statistics of SCReAM

Start at: 2018-02-20 01:21:12
End at: 2018-02-20 01:21:42
Local clock offset: -6.254 ms
Remote clock offset: -15.583 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.904 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.904 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

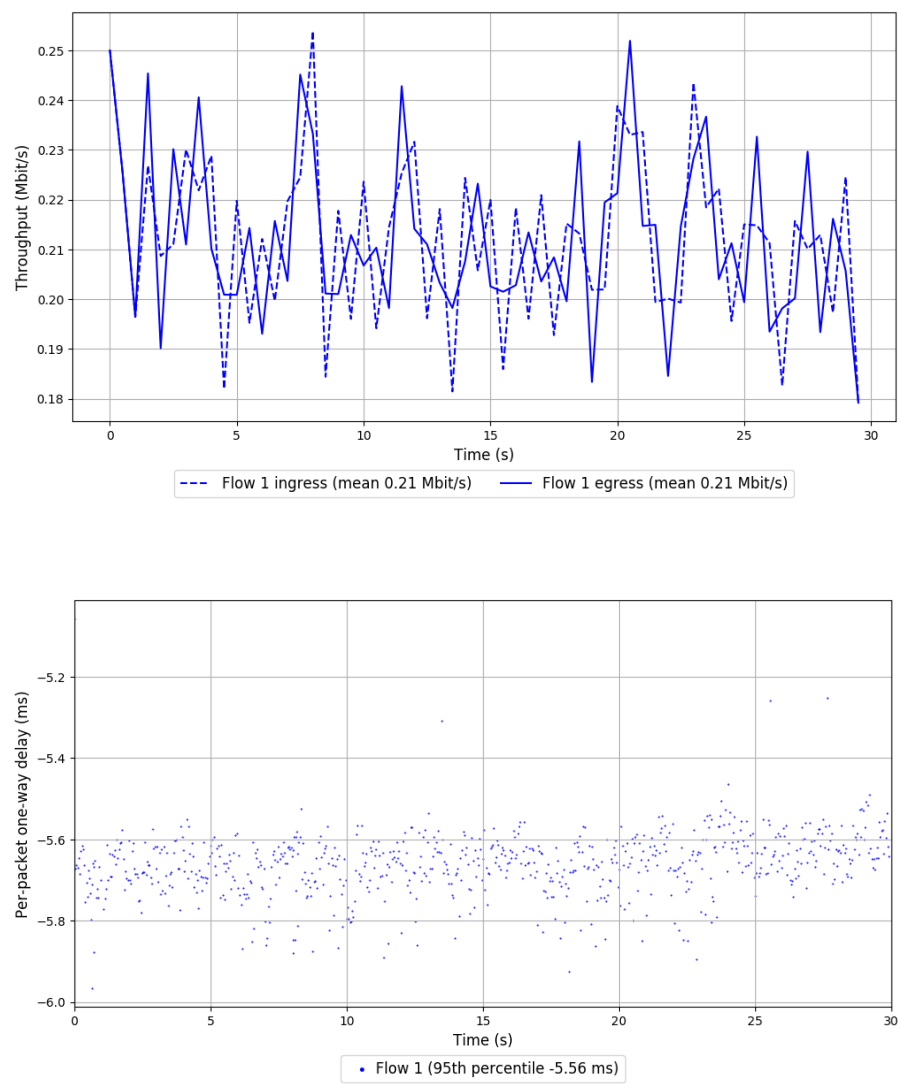


Run 3: Statistics of SCReAM

Start at: 2018-02-20 01:43:32
End at: 2018-02-20 01:44:02
Local clock offset: -10.111 ms
Remote clock offset: -17.827 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.562 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

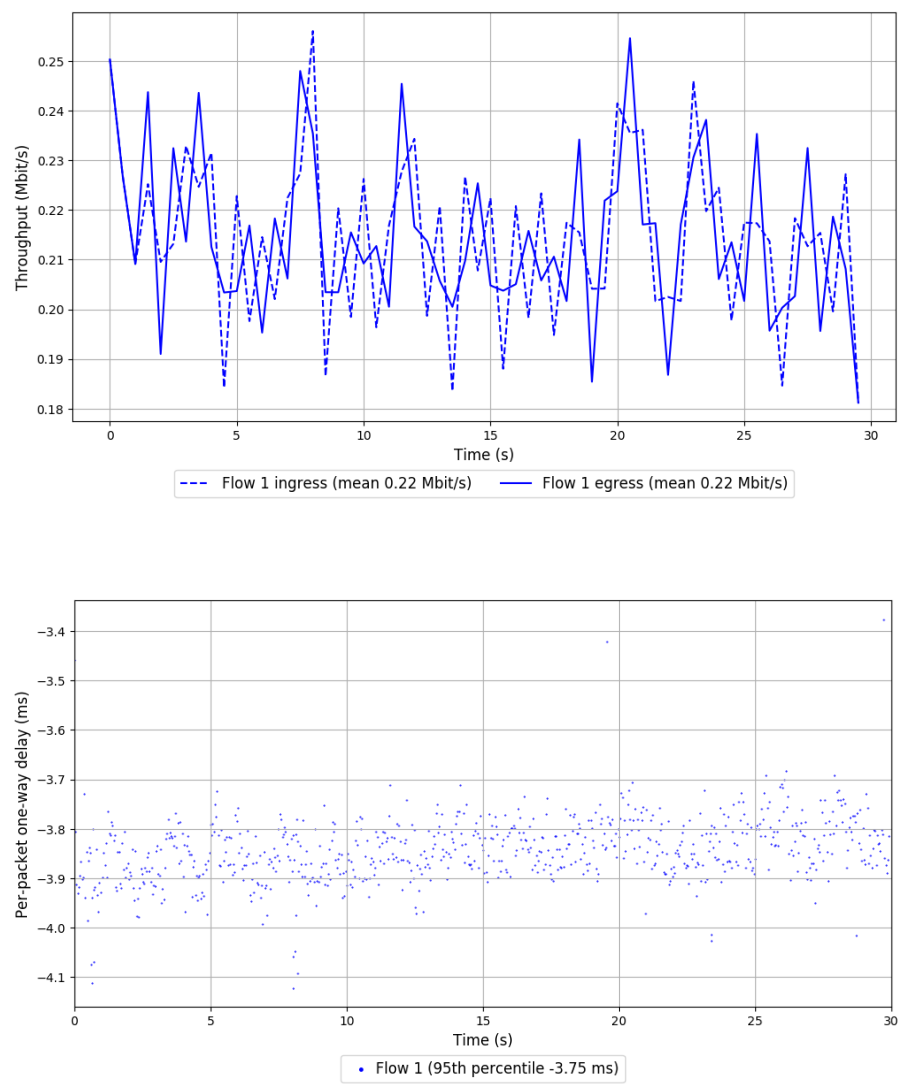


Run 4: Statistics of SCReAM

Start at: 2018-02-20 02:06:05
End at: 2018-02-20 02:06:35
Local clock offset: -8.012 ms
Remote clock offset: -18.095 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -3.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -3.750 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

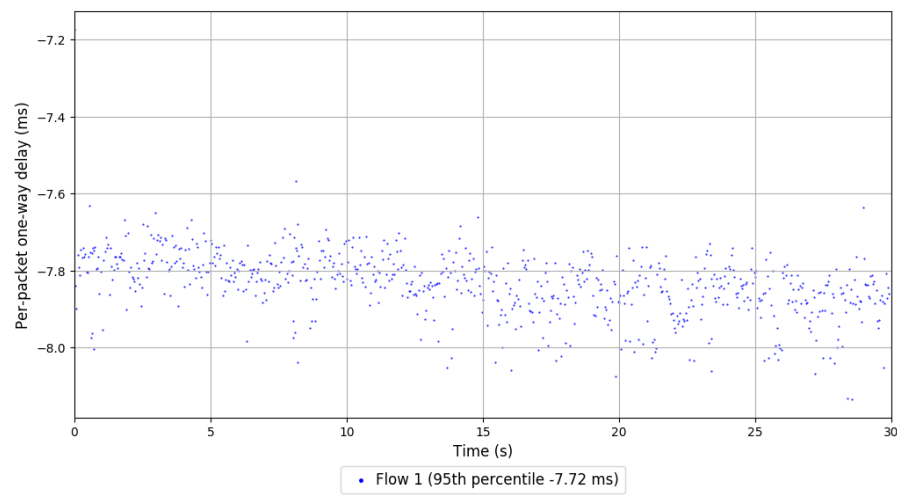
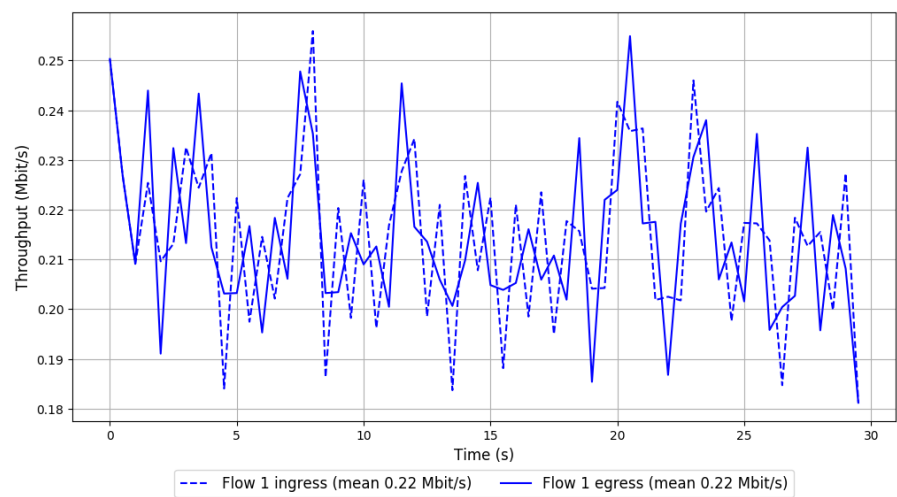


Run 5: Statistics of SCReAM

Start at: 2018-02-20 02:28:28
End at: 2018-02-20 02:28:58
Local clock offset: -7.157 ms
Remote clock offset: -16.429 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.720 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.720 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

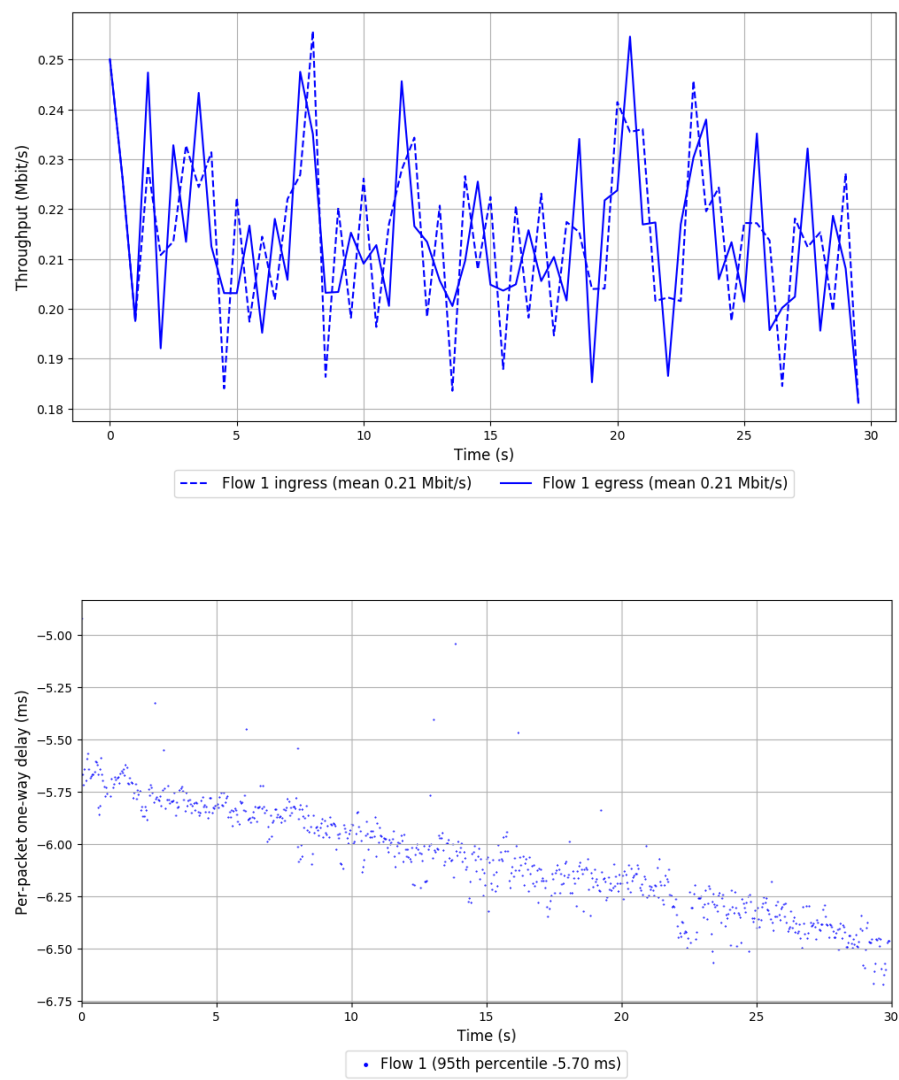


Run 6: Statistics of SCReAM

Start at: 2018-02-20 02:50:54
End at: 2018-02-20 02:51:24
Local clock offset: -5.715 ms
Remote clock offset: -9.478 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.695 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-02-20 03:13:45

End at: 2018-02-20 03:14:15

Local clock offset: -6.145 ms

Remote clock offset: 7.266 ms

Below is generated by plot.py at 2018-02-20 05:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: -6.810 ms

Loss rate: 0.00%

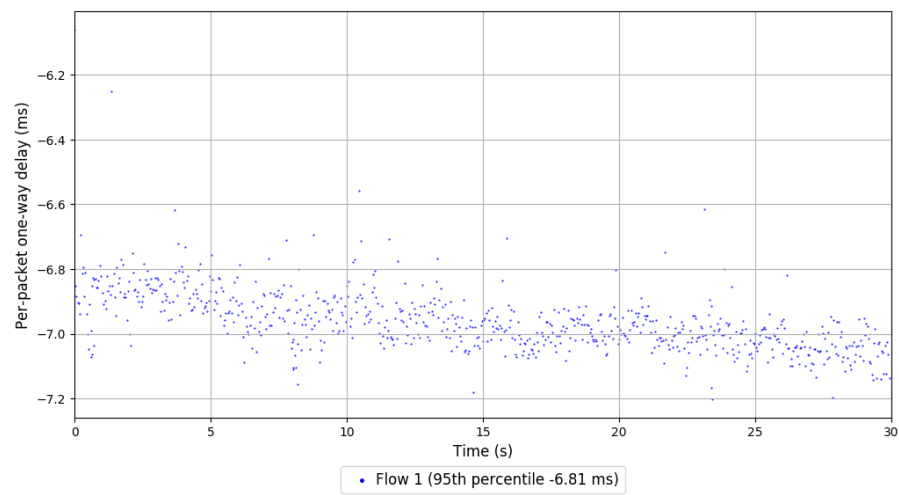
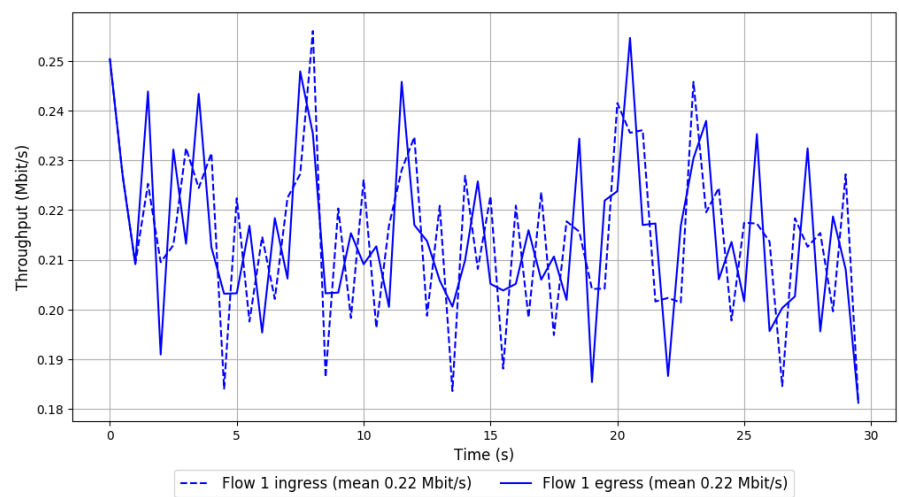
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: -6.810 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

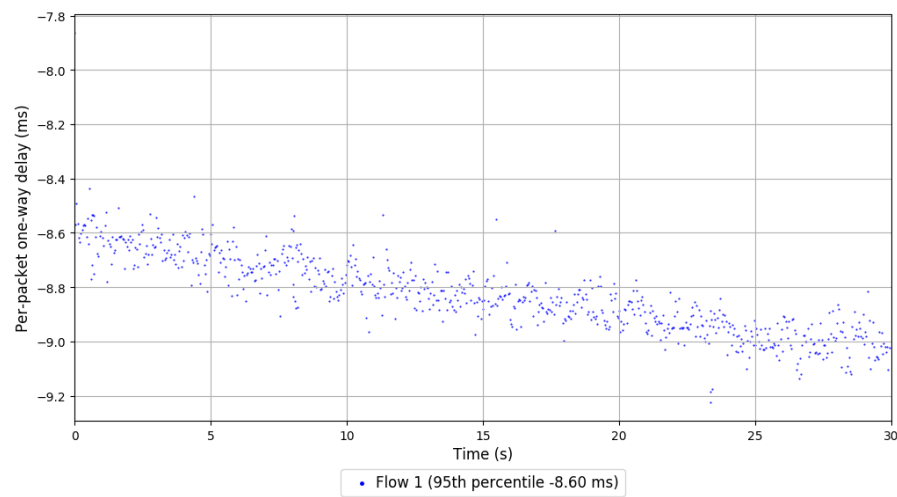
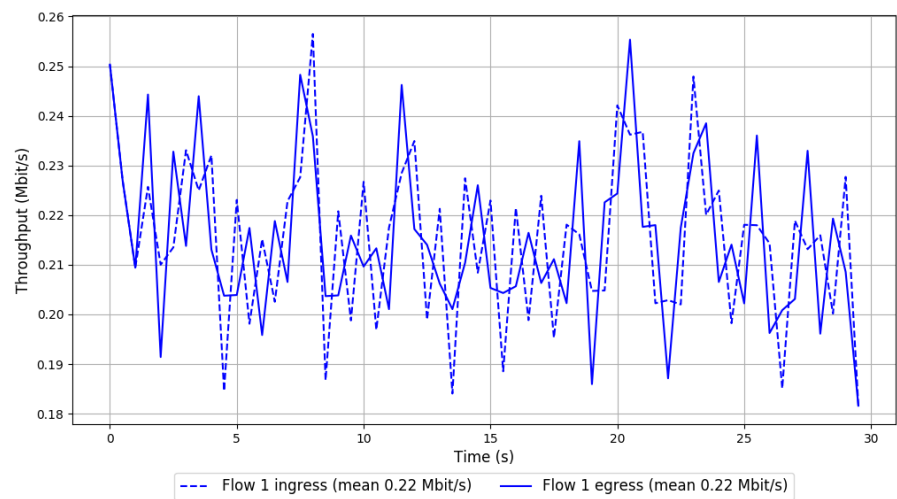


Run 8: Statistics of SCReAM

Start at: 2018-02-20 03:36:41
End at: 2018-02-20 03:37:11
Local clock offset: -7.82 ms
Remote clock offset: 15.453 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -8.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -8.604 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

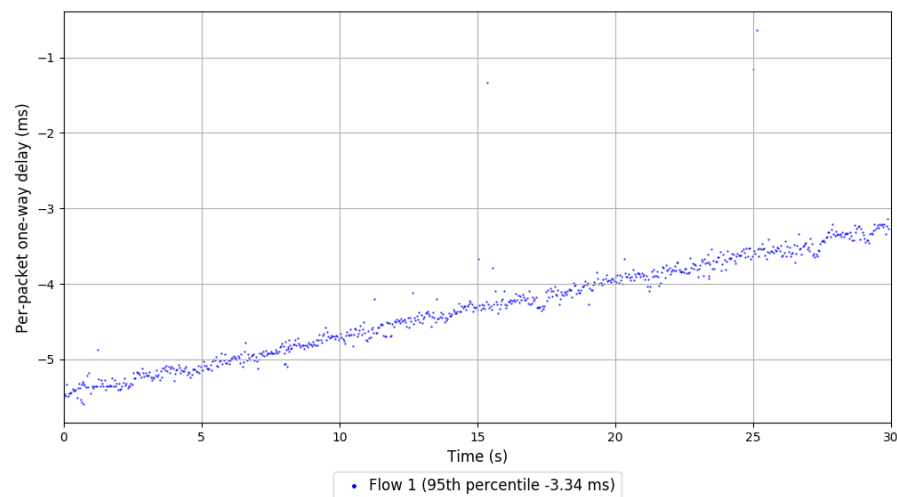
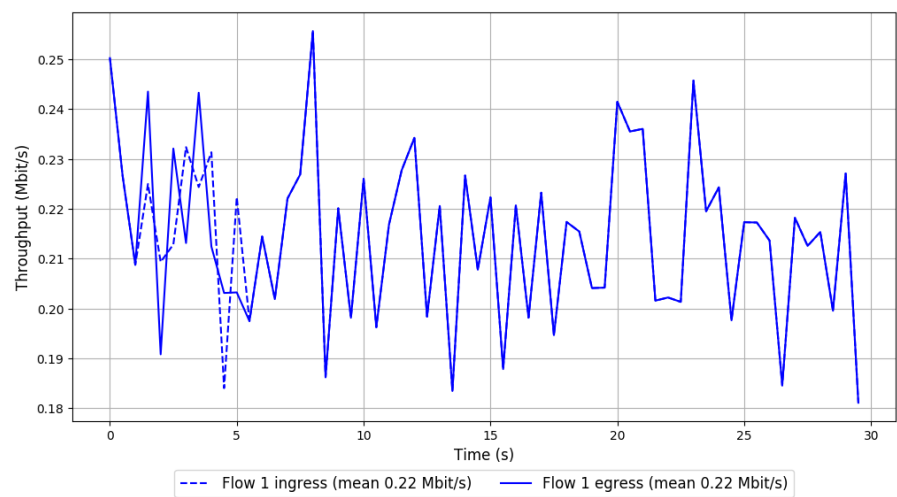


Run 9: Statistics of SCReAM

Start at: 2018-02-20 03:59:39
End at: 2018-02-20 04:00:09
Local clock offset: -15.809 ms
Remote clock offset: 16.136 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -3.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -3.343 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

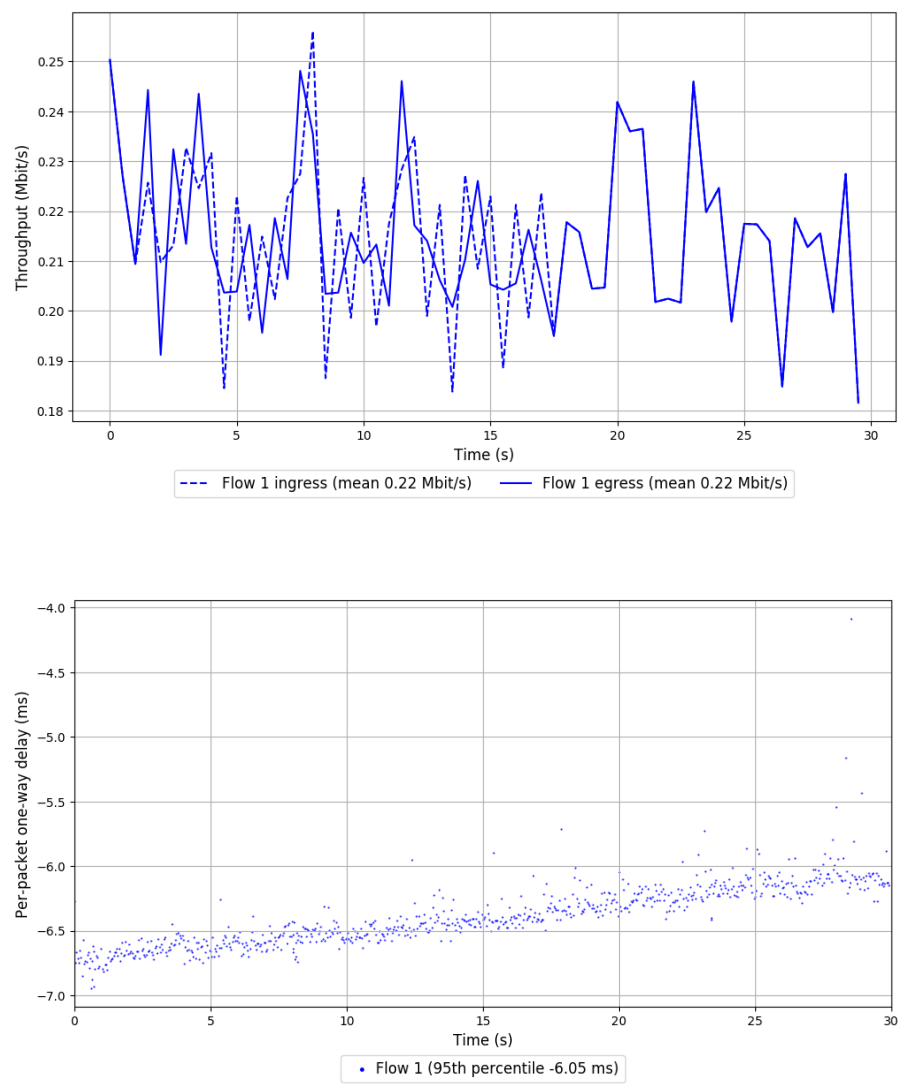


Run 10: Statistics of SReAM

Start at: 2018-02-20 04:22:37
End at: 2018-02-20 04:23:07
Local clock offset: 3.151 ms
Remote clock offset: -28.584 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.051 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

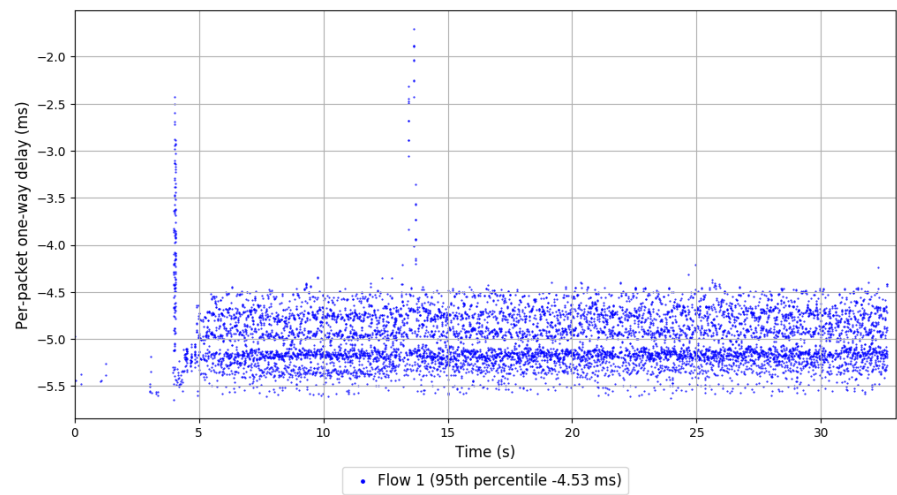
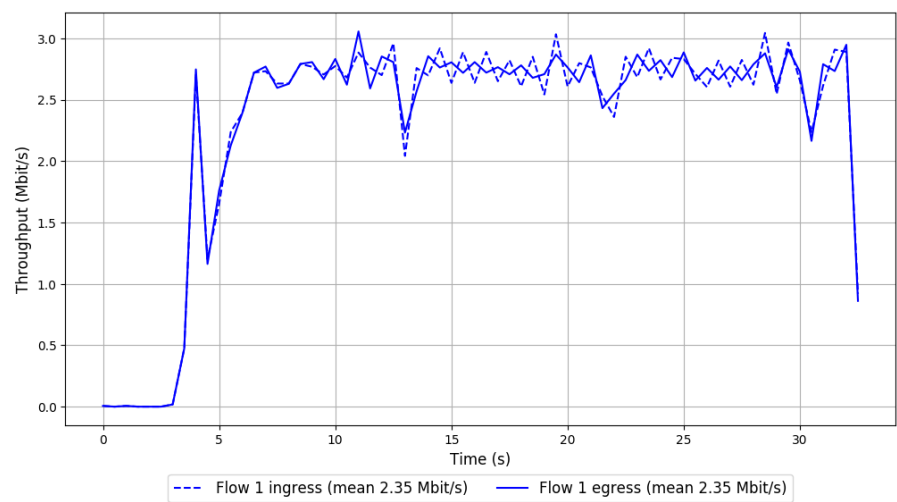


Run 1: Statistics of WebRTC media

Start at: 2018-02-20 00:53:17
End at: 2018-02-20 00:53:47
Local clock offset: -7.356 ms
Remote clock offset: -15.637 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -4.534 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -4.534 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

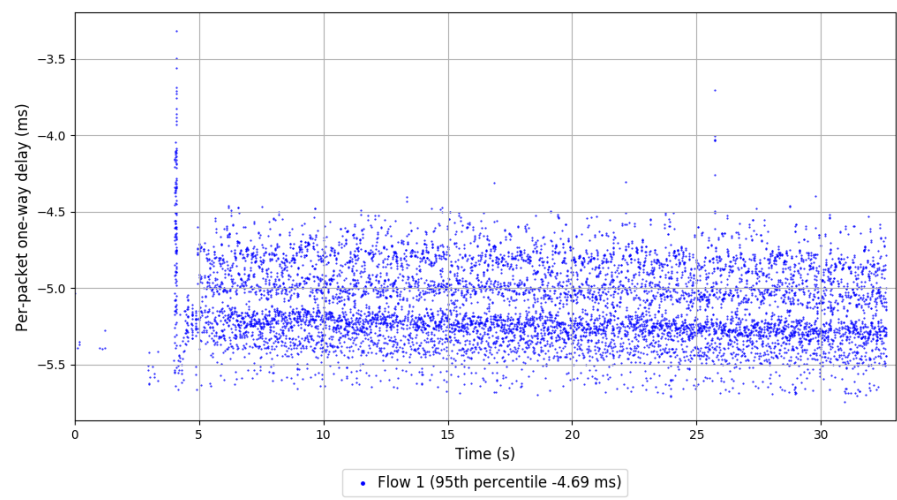
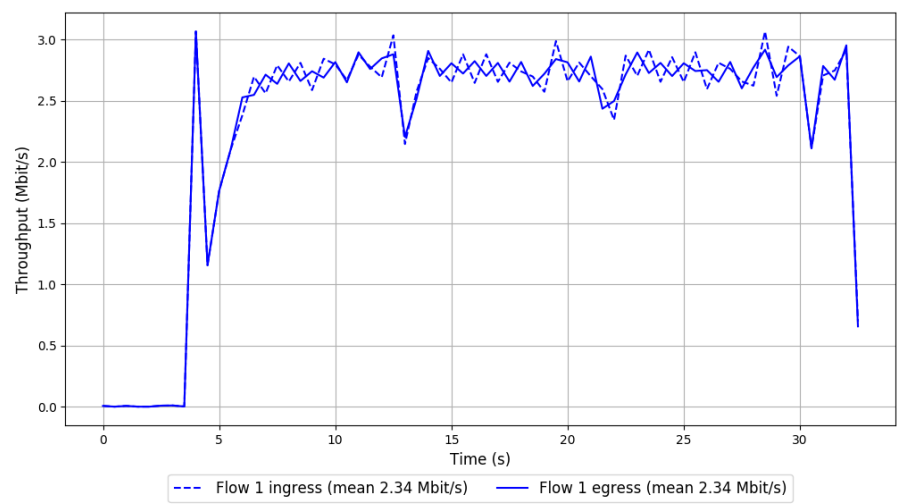


Run 2: Statistics of WebRTC media

Start at: 2018-02-20 01:15:13
End at: 2018-02-20 01:15:43
Local clock offset: -11.259 ms
Remote clock offset: -19.797 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.686 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

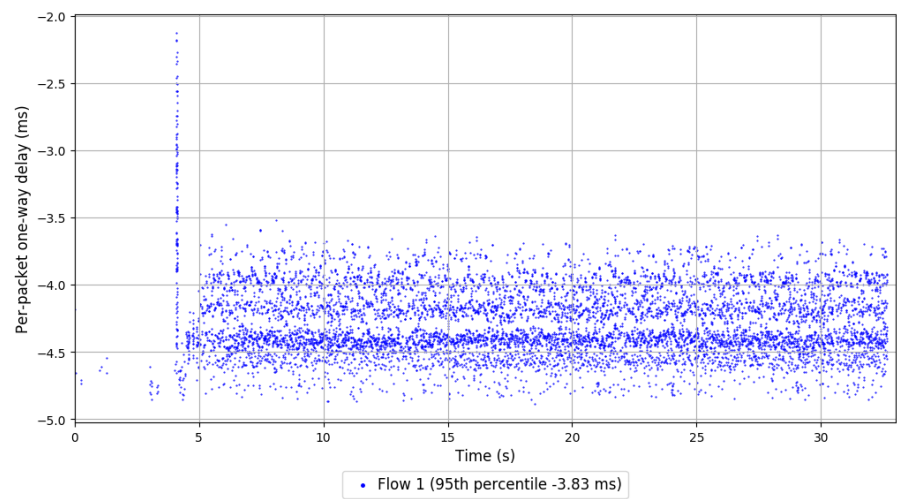
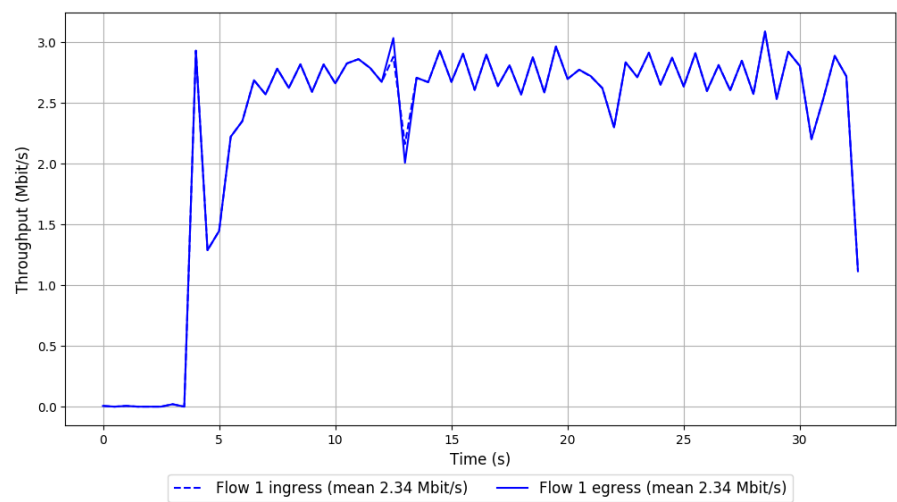


Run 3: Statistics of WebRTC media

Start at: 2018-02-20 01:37:21
End at: 2018-02-20 01:37:51
Local clock offset: -9.772 ms
Remote clock offset: -16.062 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -3.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -3.834 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

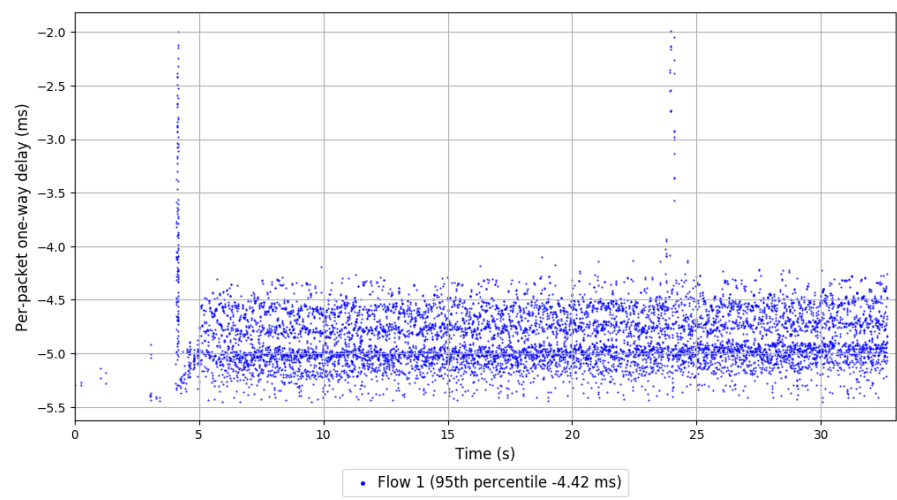
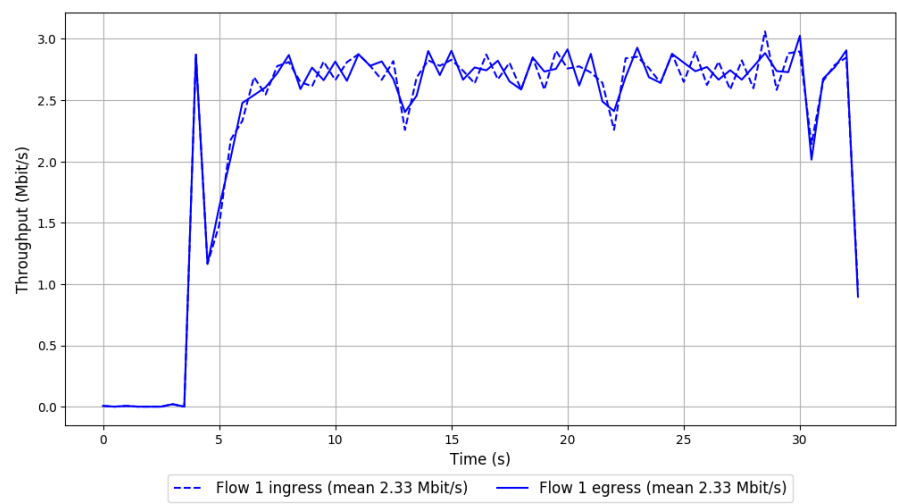


Run 4: Statistics of WebRTC media

Start at: 2018-02-20 01:59:50
End at: 2018-02-20 02:00:20
Local clock offset: -7.465 ms
Remote clock offset: -17.89 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -4.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -4.424 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

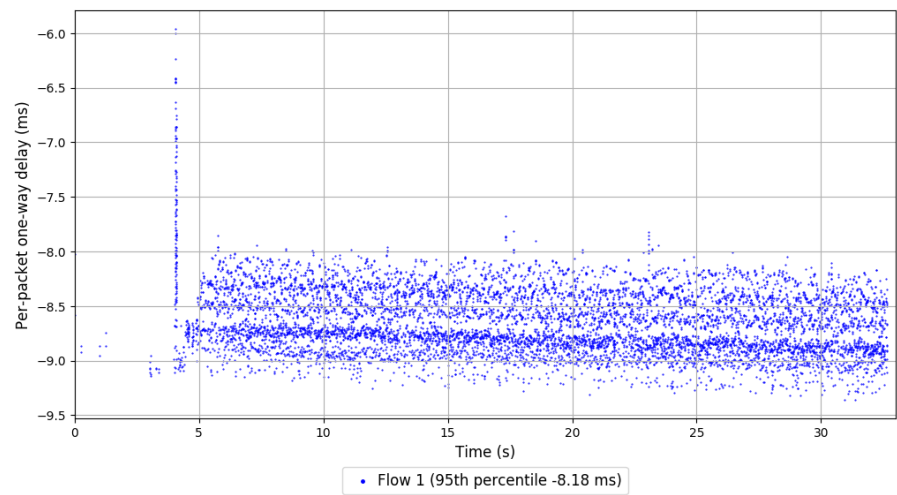
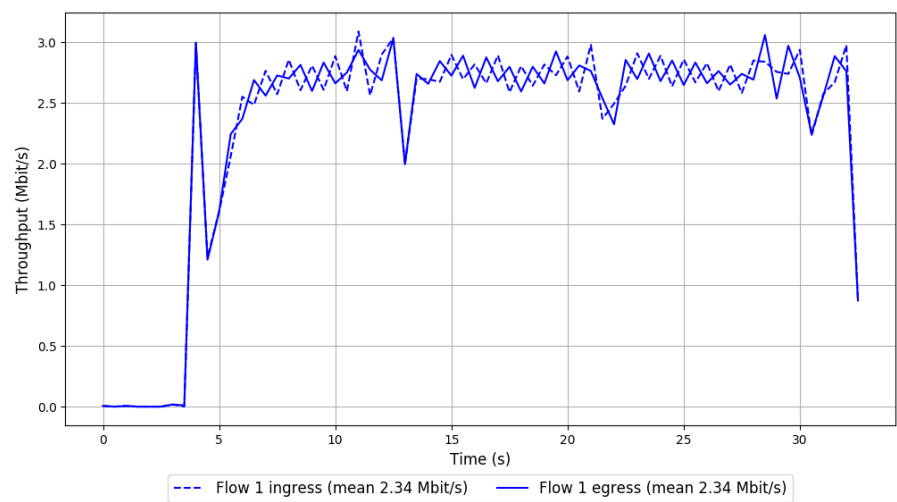


Run 5: Statistics of WebRTC media

Start at: 2018-02-20 02:22:20
End at: 2018-02-20 02:22:50
Local clock offset: -4.705 ms
Remote clock offset: -16.798 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -8.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -8.183 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

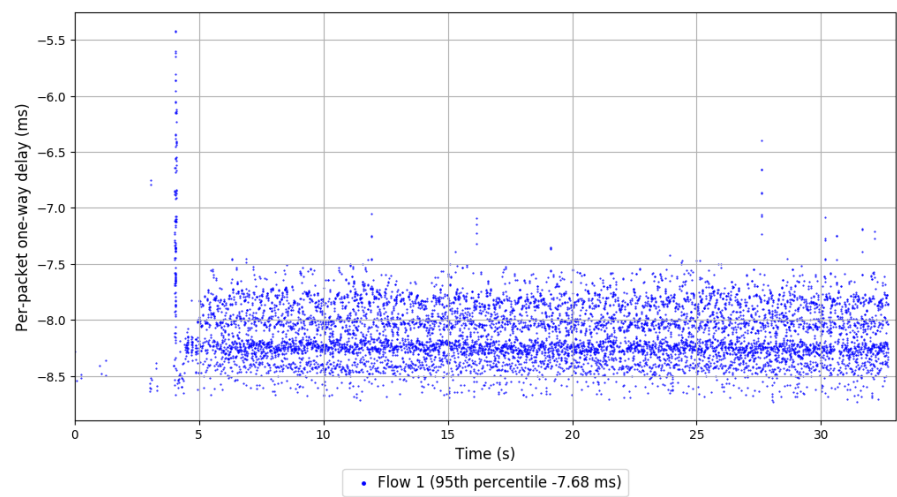
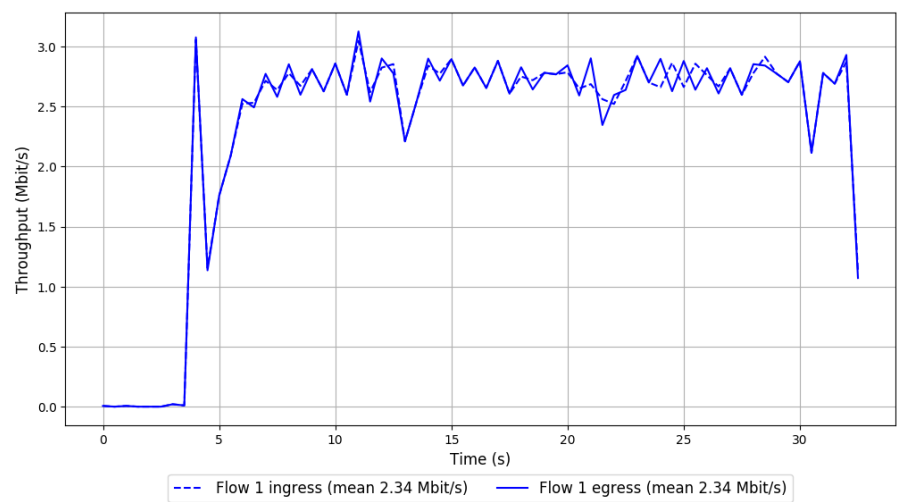


Run 6: Statistics of WebRTC media

Start at: 2018-02-20 02:44:50
End at: 2018-02-20 02:45:20
Local clock offset: -4.317 ms
Remote clock offset: -12.36 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -7.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -7.685 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-20 03:07:31

End at: 2018-02-20 03:08:02

Local clock offset: -7.625 ms

Remote clock offset: 5.047 ms

Below is generated by plot.py at 2018-02-20 05:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: -4.159 ms

Loss rate: 0.00%

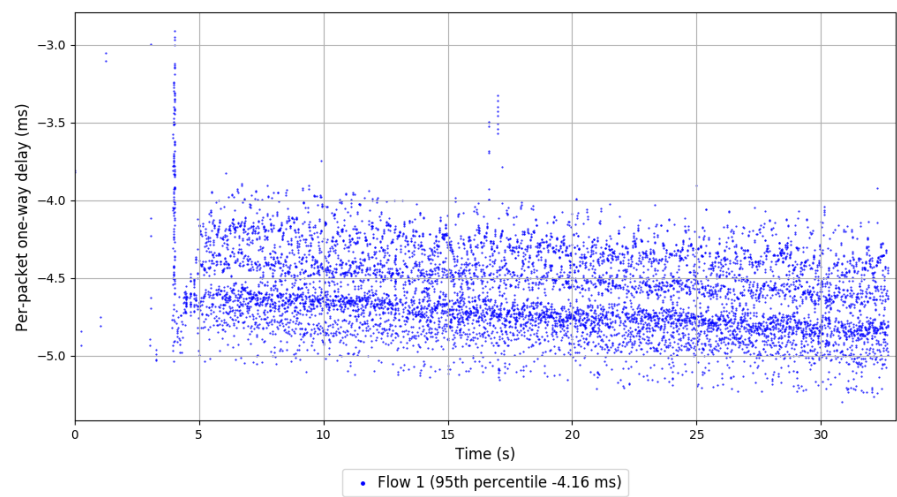
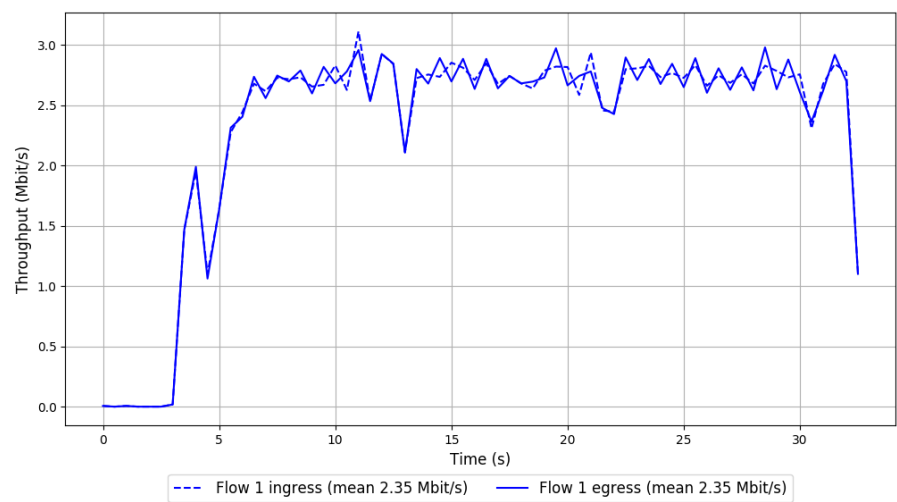
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: -4.159 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

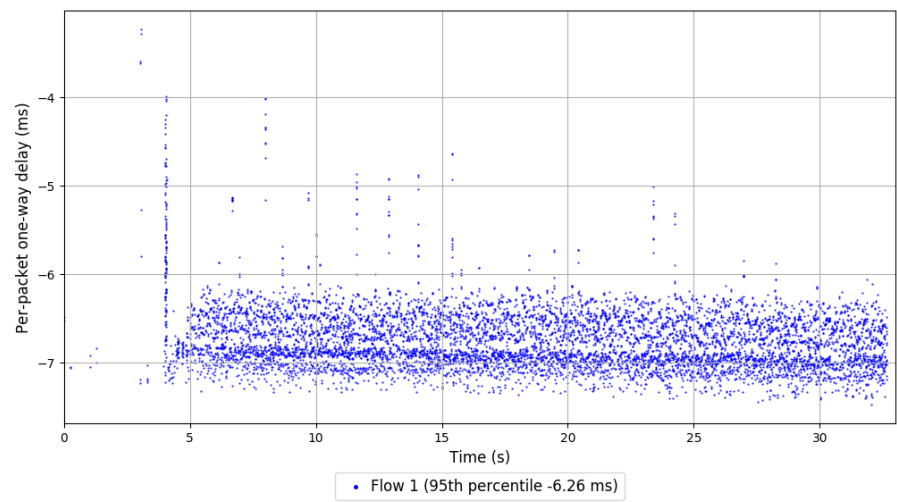
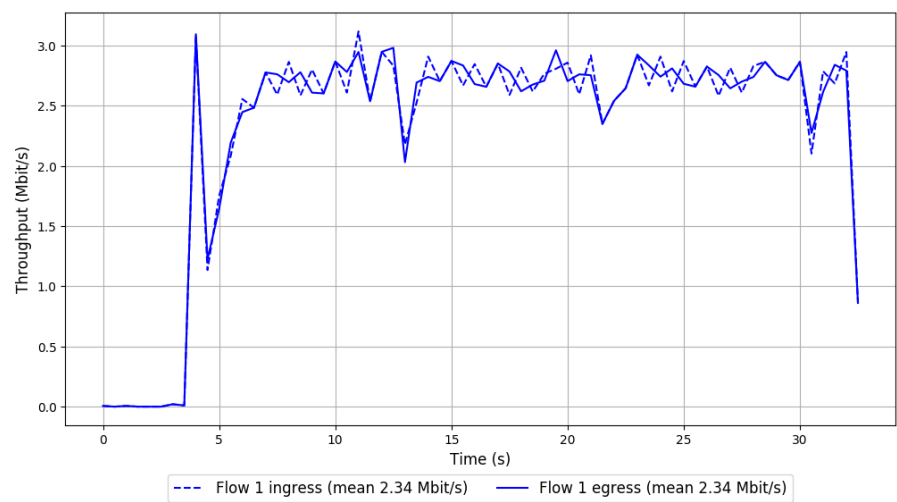


Run 8: Statistics of WebRTC media

Start at: 2018-02-20 03:30:29
End at: 2018-02-20 03:30:59
Local clock offset: -5.137 ms
Remote clock offset: 14.134 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -6.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -6.265 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

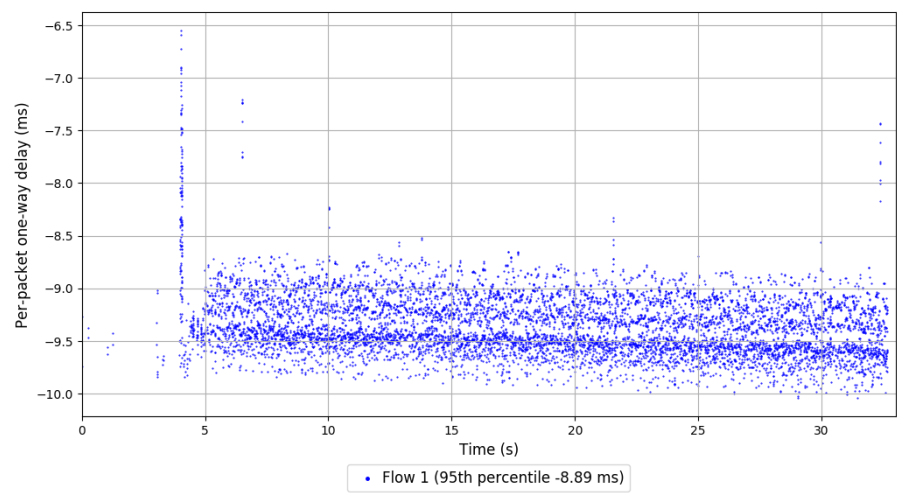
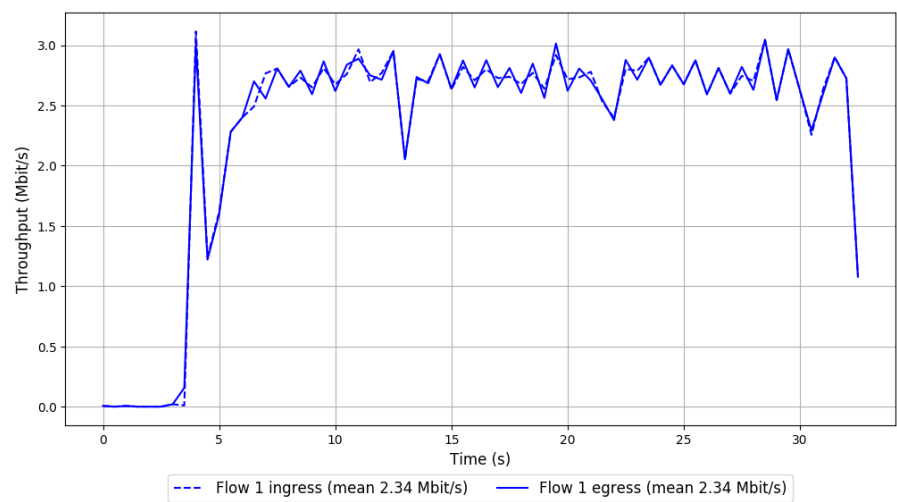


Run 9: Statistics of WebRTC media

Start at: 2018-02-20 03:53:32
End at: 2018-02-20 03:54:02
Local clock offset: -13.711 ms
Remote clock offset: 18.832 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -8.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -8.891 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-20 04:16:21

End at: 2018-02-20 04:16:51

Local clock offset: -2.771 ms

Remote clock offset: -23.871 ms

Below is generated by plot.py at 2018-02-20 05:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: -4.415 ms

Loss rate: 0.00%

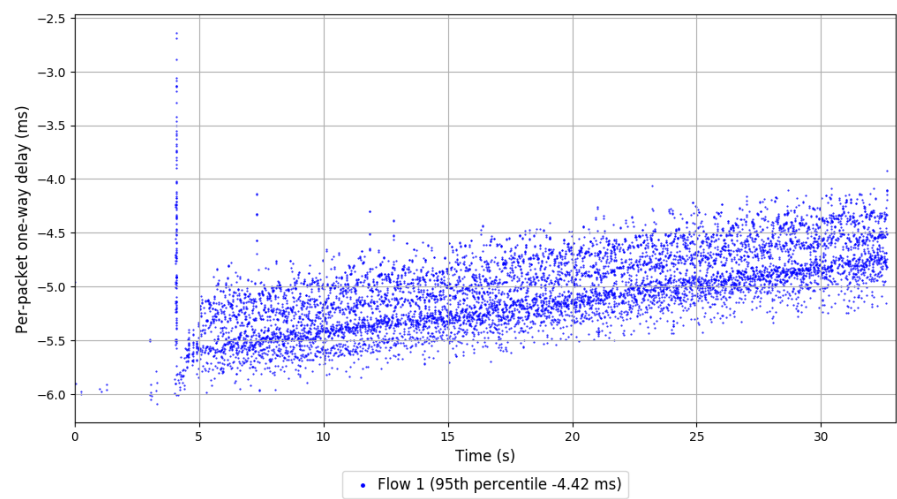
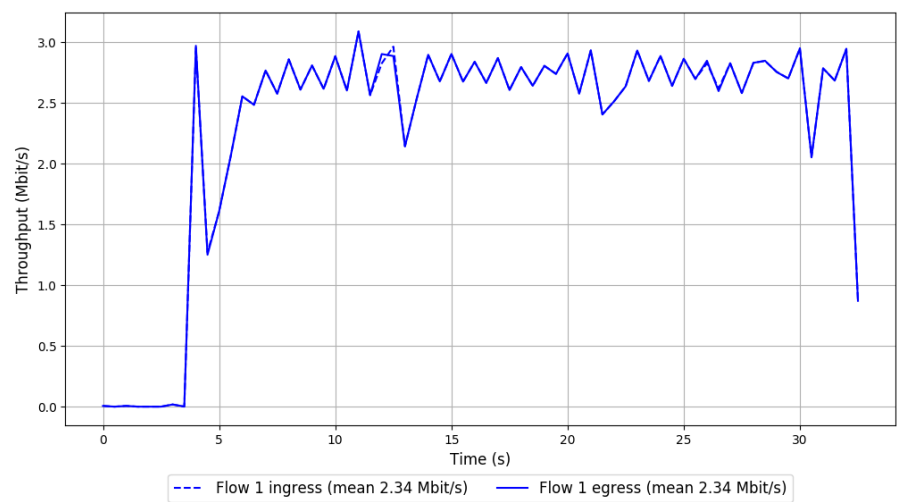
-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: -4.415 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

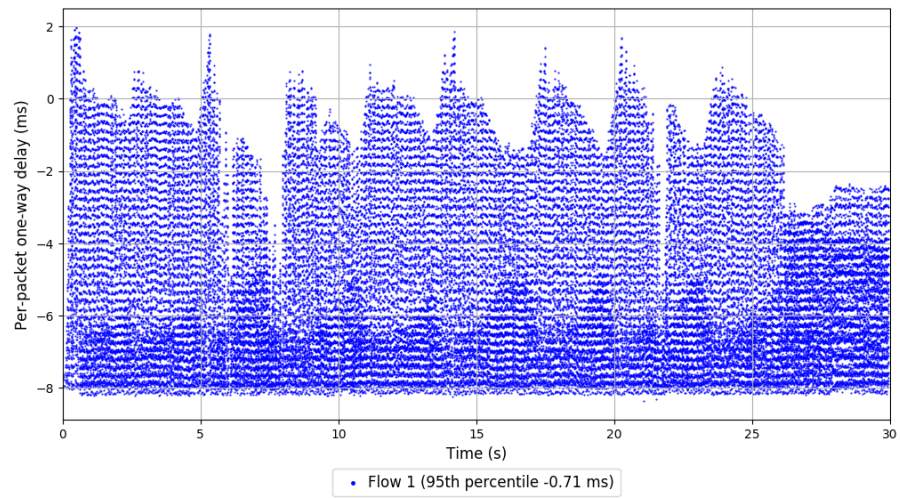
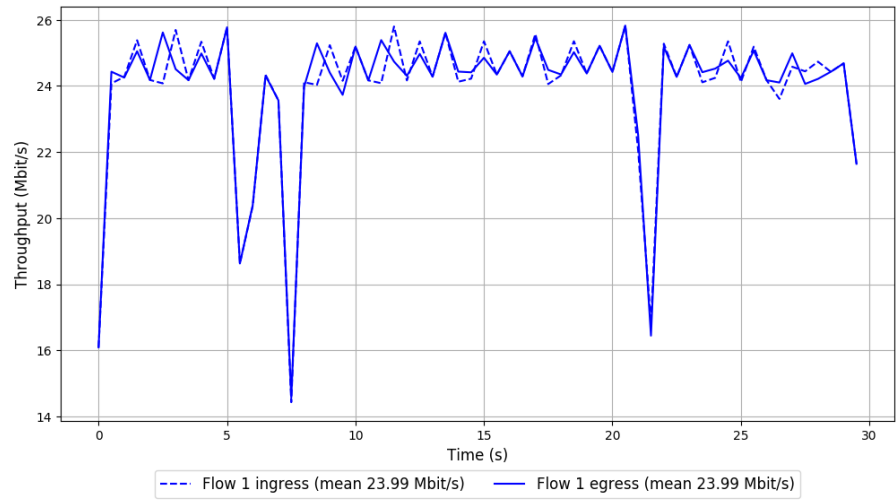


Run 1: Statistics of Sprout

Start at: 2018-02-20 01:01:31
End at: 2018-02-20 01:02:01
Local clock offset: -4.663 ms
Remote clock offset: -16.287 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: -0.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: -0.711 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

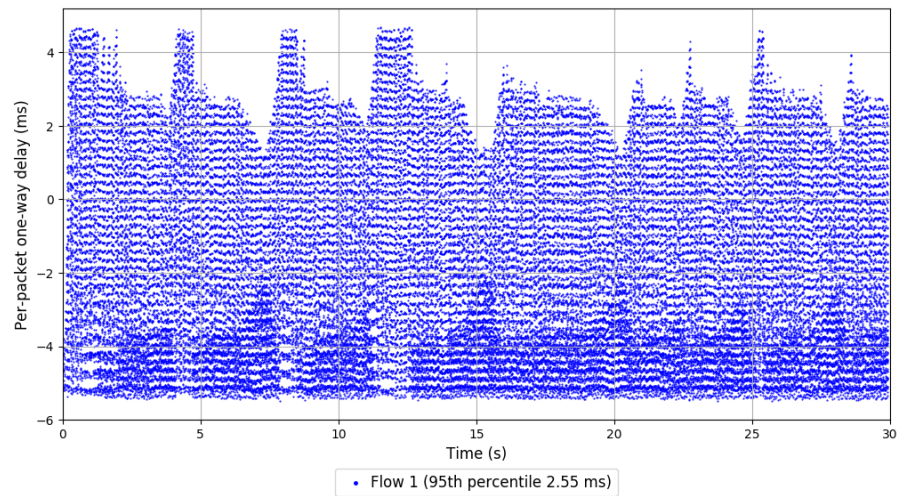
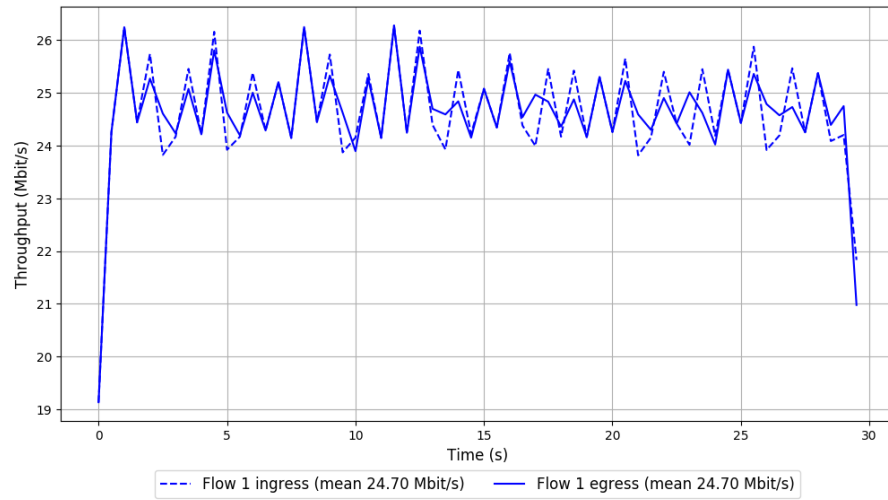


Run 2: Statistics of Sprout

Start at: 2018-02-20 01:23:33
End at: 2018-02-20 01:24:03
Local clock offset: -8.392 ms
Remote clock offset: -15.859 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 2.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 2.552 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

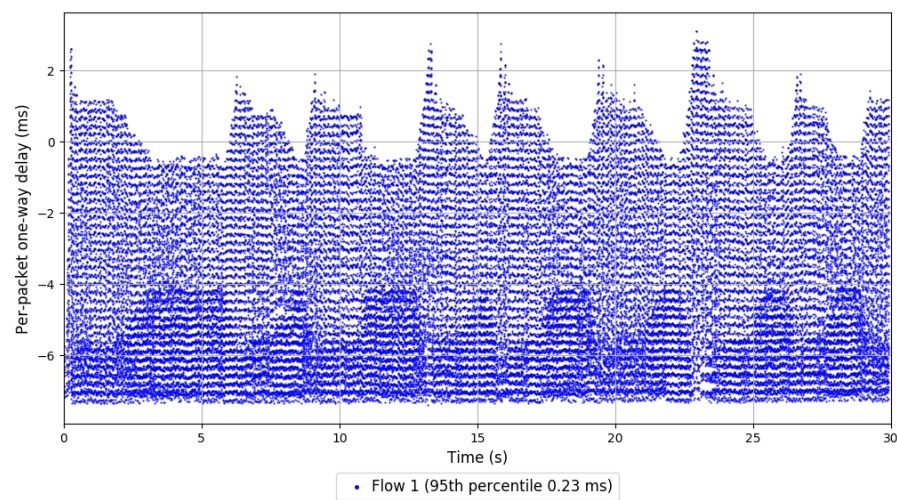
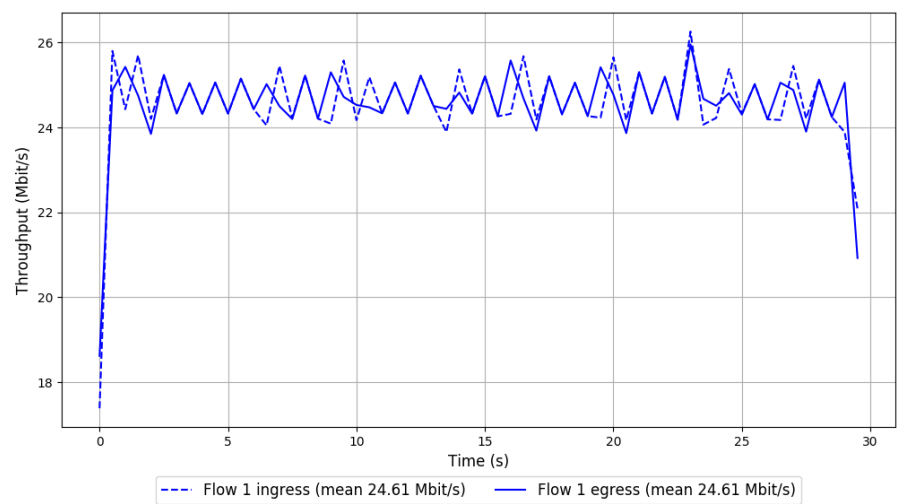


Run 3: Statistics of Sprout

Start at: 2018-02-20 01:45:53
End at: 2018-02-20 01:46:23
Local clock offset: -7.345 ms
Remote clock offset: -16.955 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 0.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 0.226 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

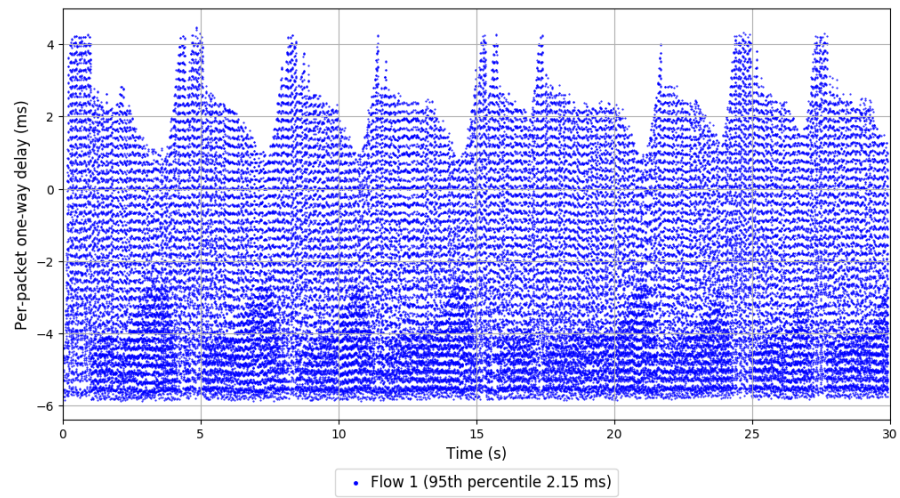
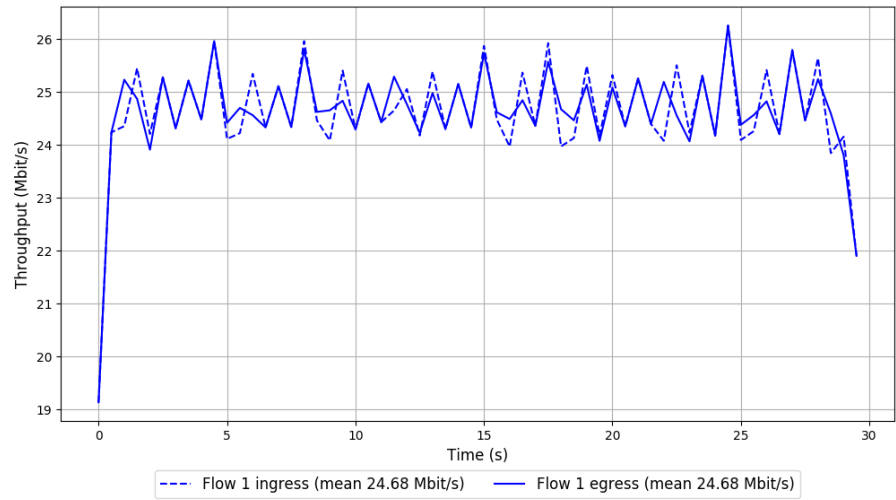


Run 4: Statistics of Sprout

Start at: 2018-02-20 02:08:26
End at: 2018-02-20 02:08:56
Local clock offset: -7.723 ms
Remote clock offset: -19.941 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 2.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 2.149 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

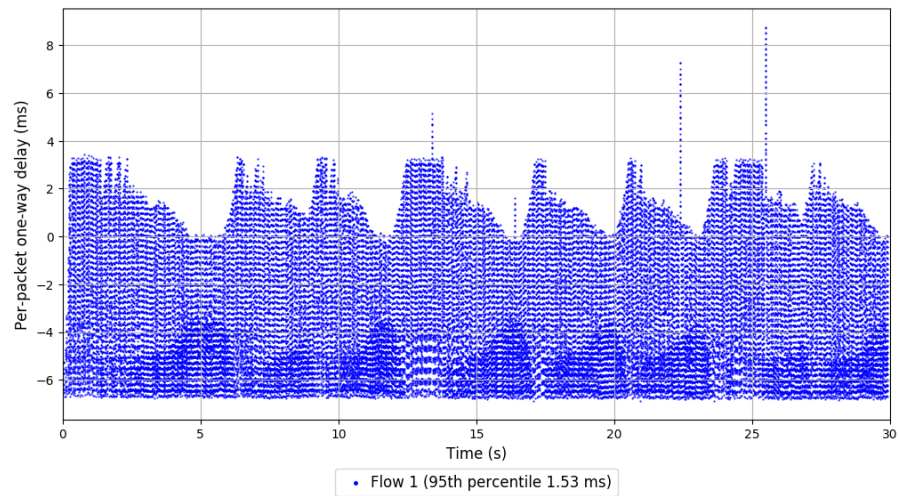
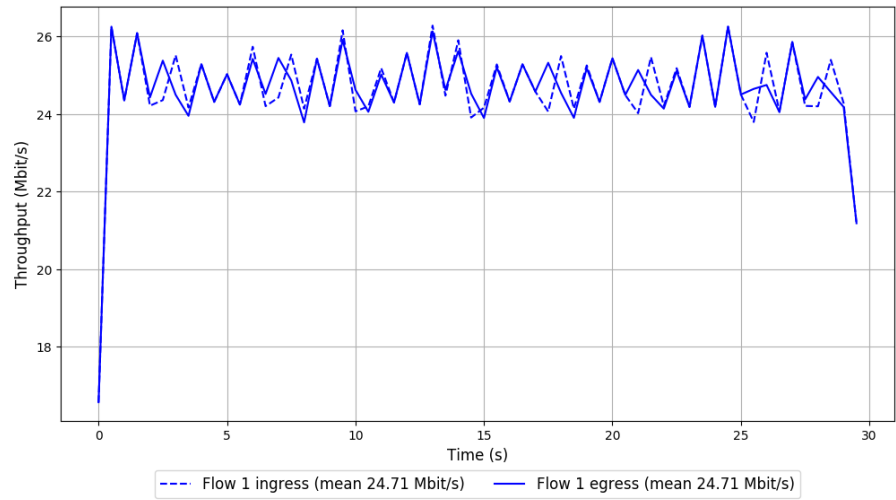


Run 5: Statistics of Sprout

Start at: 2018-02-20 02:30:47
End at: 2018-02-20 02:31:17
Local clock offset: -5.44 ms
Remote clock offset: -13.088 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 1.534 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 1.534 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

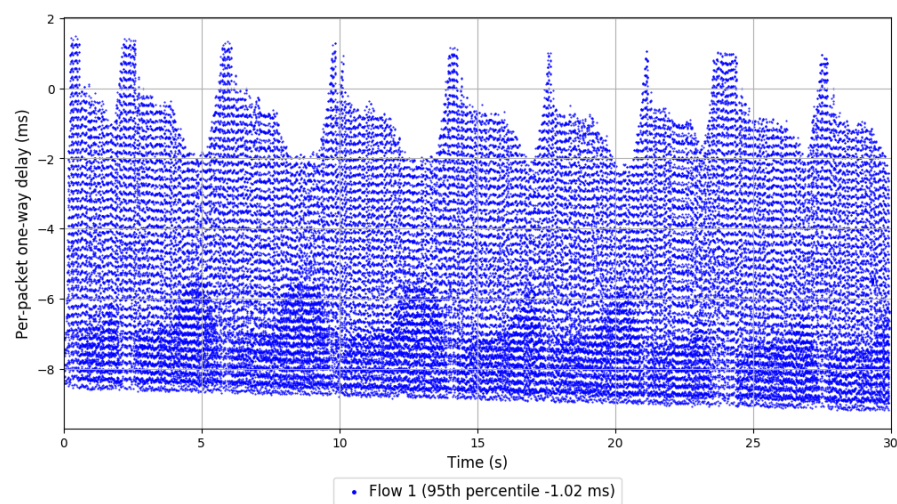
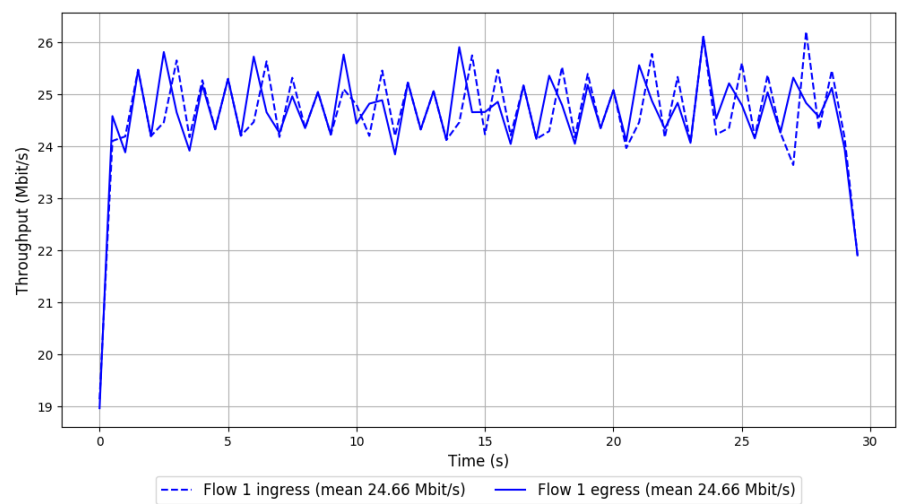


Run 6: Statistics of Sprout

Start at: 2018-02-20 02:53:22
End at: 2018-02-20 02:53:52
Local clock offset: -4.619 ms
Remote clock offset: -7.571 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: -1.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: -1.022 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

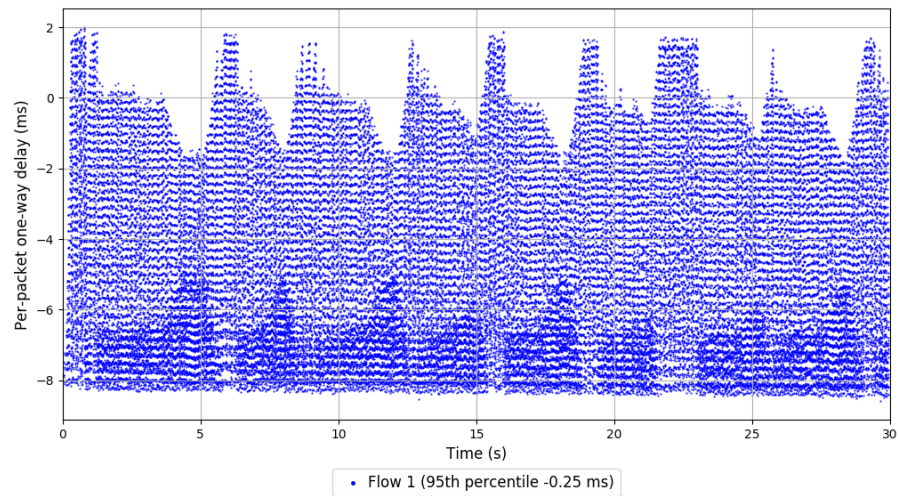
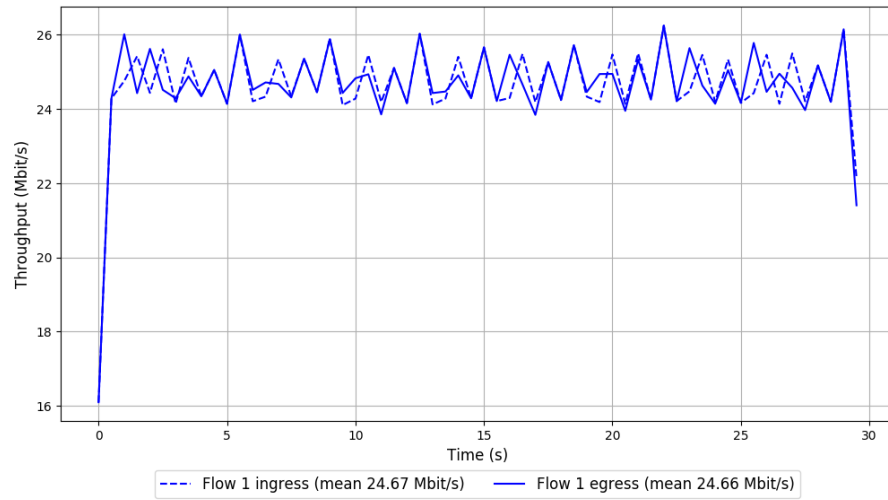


Run 7: Statistics of Sprout

Start at: 2018-02-20 03:16:06
End at: 2018-02-20 03:16:36
Local clock offset: -4.528 ms
Remote clock offset: 8.553 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: -0.252 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: -0.252 ms
Loss rate: 0.05%

Run 7: Report of Sprout — Data Link

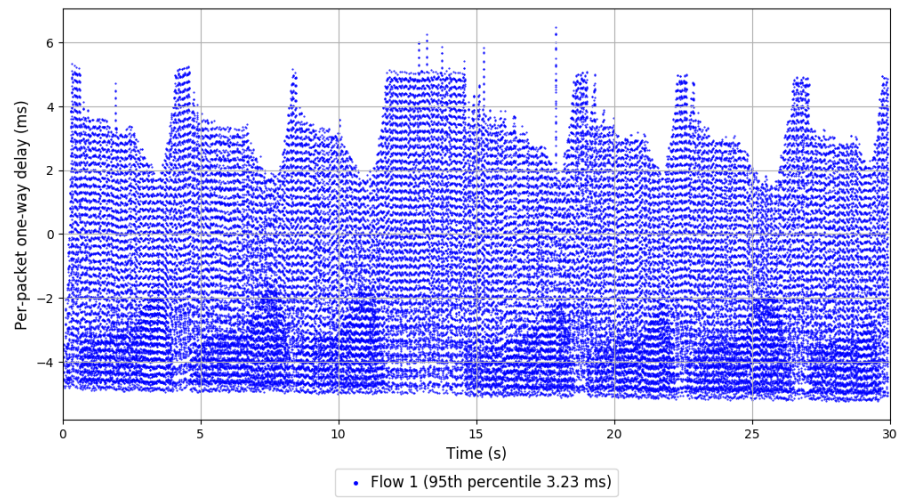
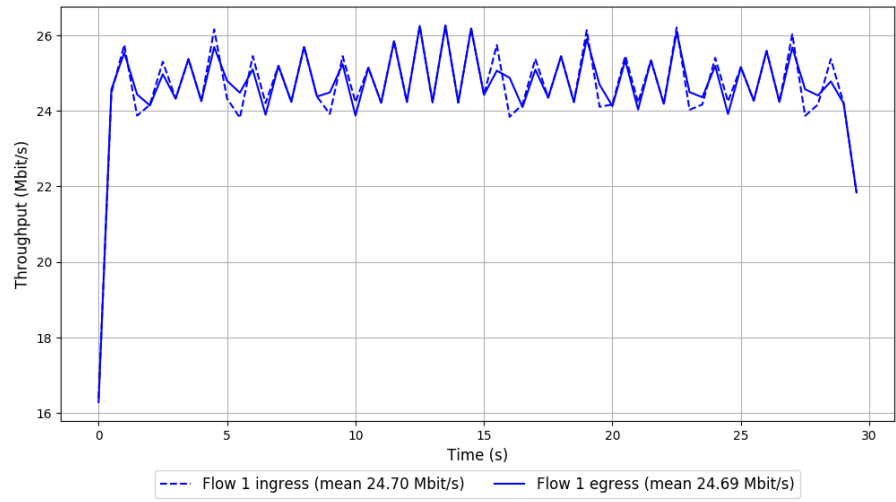


Run 8: Statistics of Sprout

Start at: 2018-02-20 03:39:02
End at: 2018-02-20 03:39:32
Local clock offset: -12.297 ms
Remote clock offset: 16.705 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 3.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 3.227 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

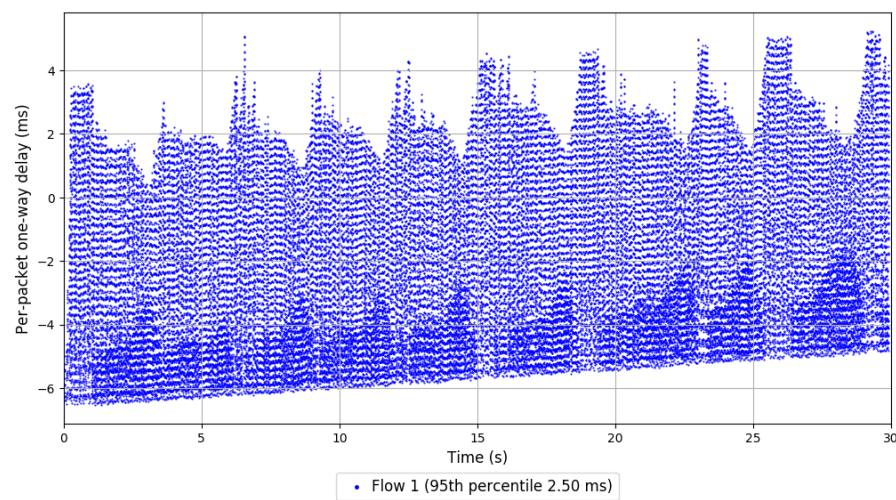
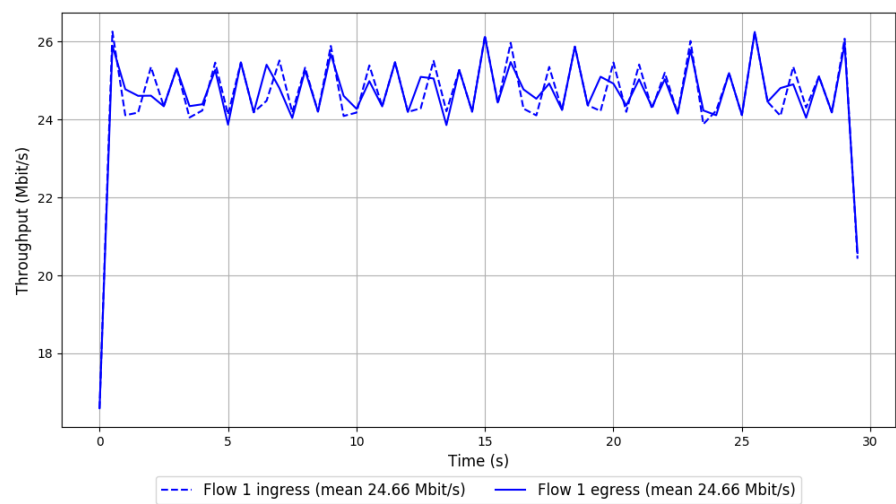


Run 9: Statistics of Sprout

Start at: 2018-02-20 04:02:01
End at: 2018-02-20 04:02:31
Local clock offset: -14.297 ms
Remote clock offset: 7.101 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

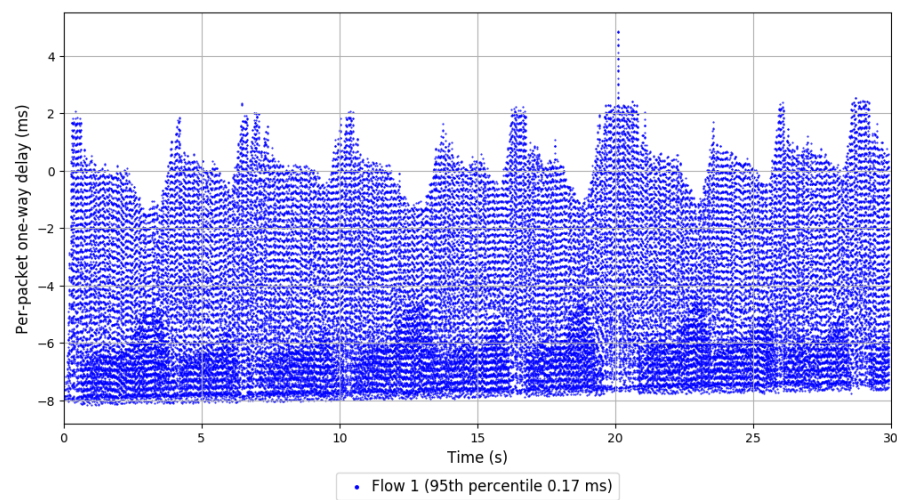
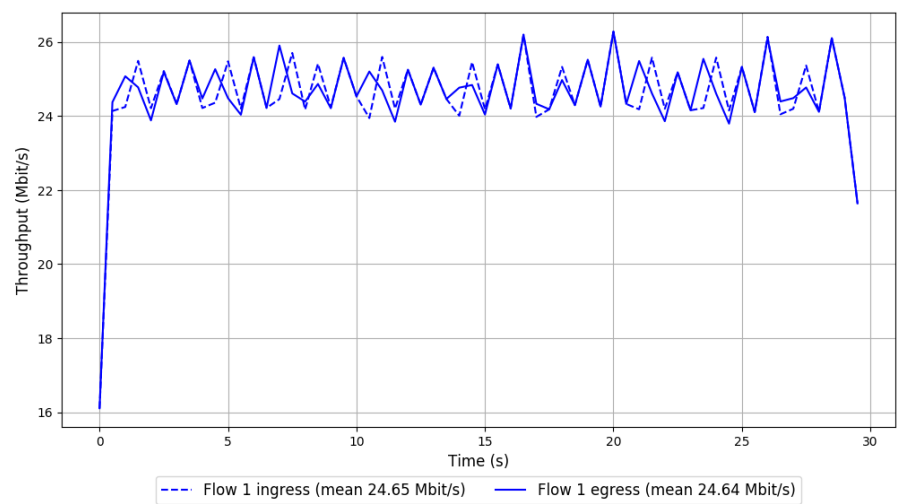


Run 10: Statistics of Sprout

Start at: 2018-02-20 04:25:02
End at: 2018-02-20 04:25:32
Local clock offset: 4.913 ms
Remote clock offset: -31.109 ms

Below is generated by plot.py at 2018-02-20 05:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 0.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 0.170 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

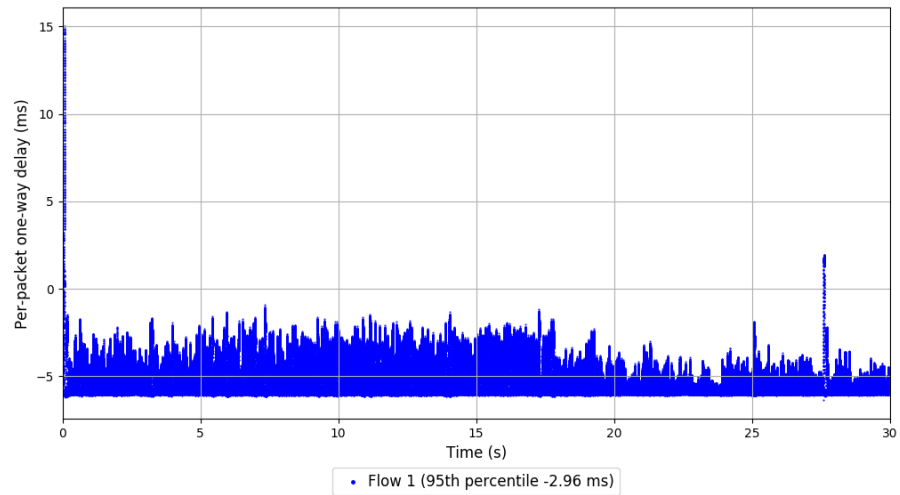
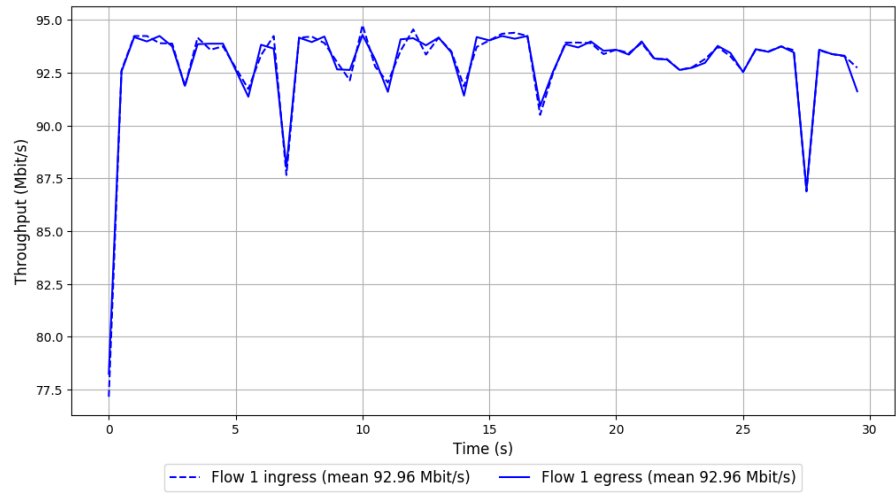


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-20 01:05:01
End at: 2018-02-20 01:05:31
Local clock offset: -5.238 ms
Remote clock offset: -15.019 ms

# Below is generated by plot.py at 2018-02-20 05:14:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: -2.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: -2.964 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-02-20 01:27:07

End at: 2018-02-20 01:27:37

Local clock offset: -6.431 ms

Remote clock offset: -16.72 ms

Below is generated by plot.py at 2018-02-20 05:14:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: -5.666 ms

Loss rate: 0.00%

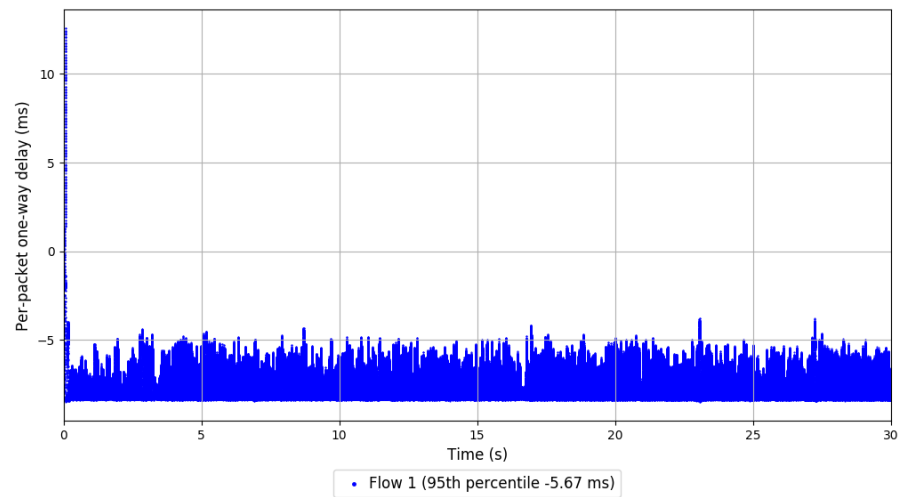
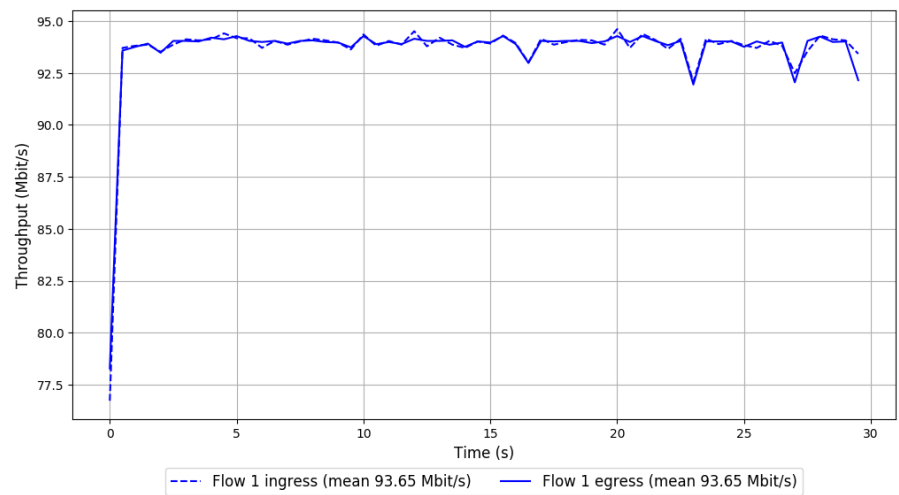
-- Flow 1:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: -5.666 ms

Loss rate: 0.00%

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

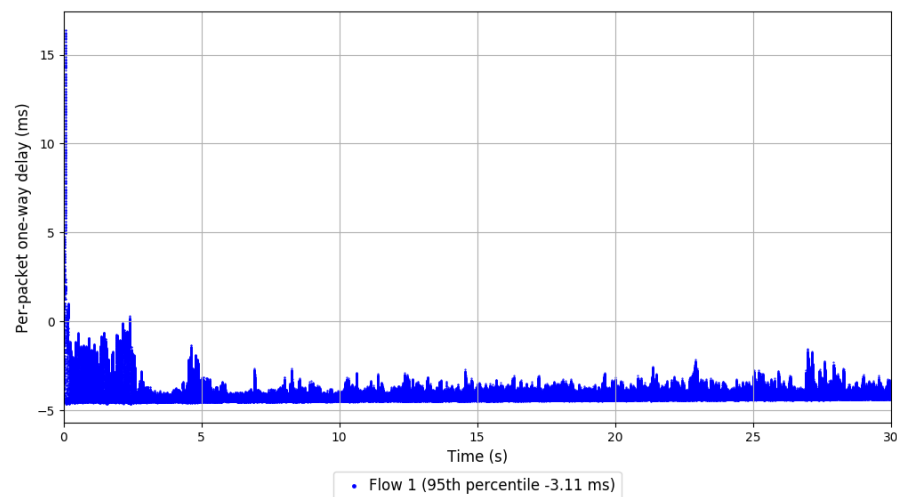
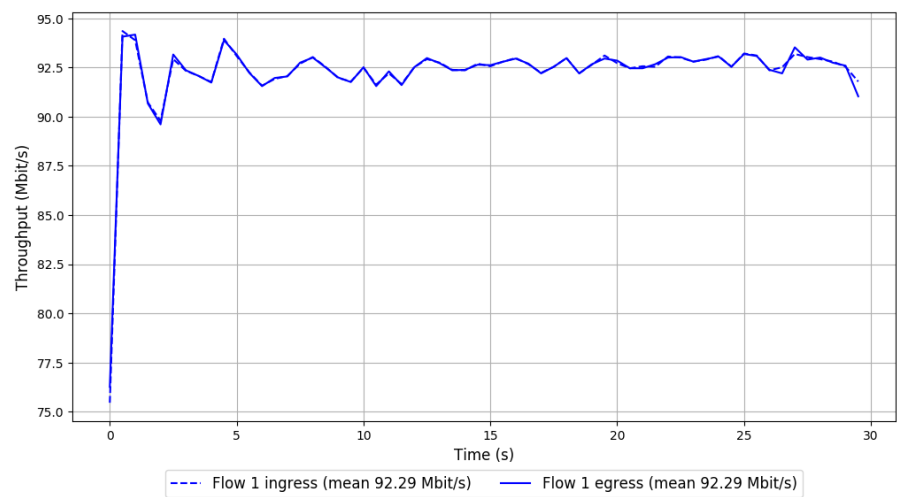


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-20 01:49:29
End at: 2018-02-20 01:49:59
Local clock offset: -9.934 ms
Remote clock offset: -17.324 ms

Below is generated by plot.py at 2018-02-20 05:14:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: -3.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: -3.113 ms
Loss rate: 0.00%

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

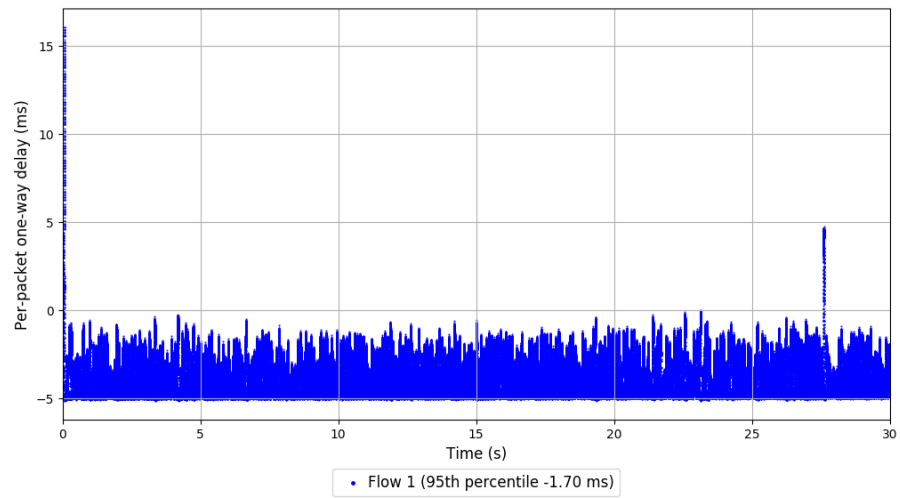
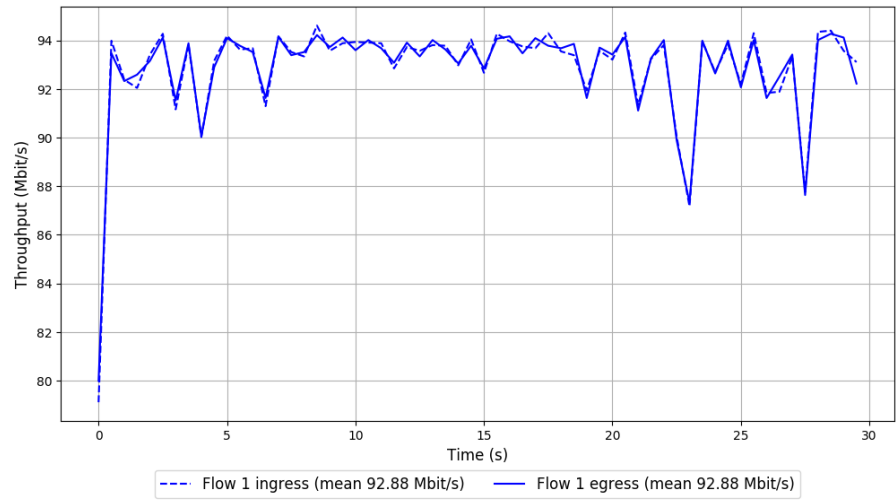


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-20 02:12:00
End at: 2018-02-20 02:12:30
Local clock offset: -6.148 ms
Remote clock offset: -17.95 ms

Below is generated by plot.py at 2018-02-20 05:14:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: -1.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: -1.698 ms
Loss rate: 0.00%

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

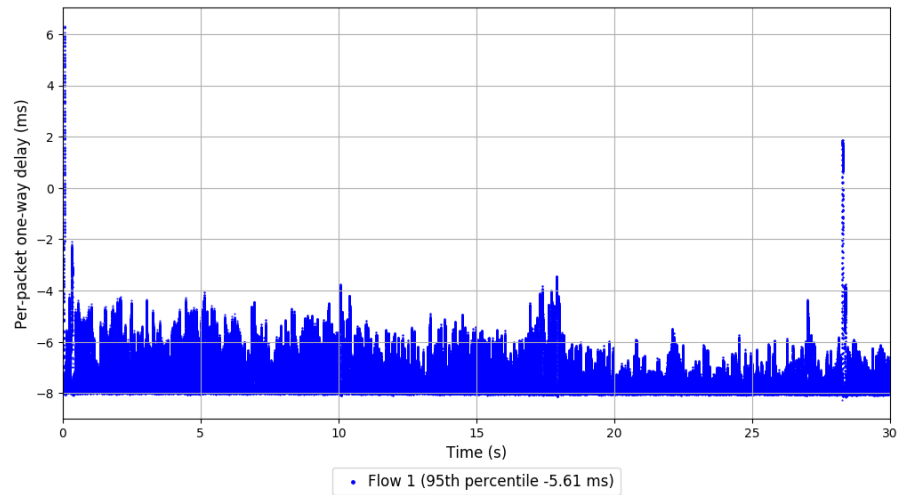
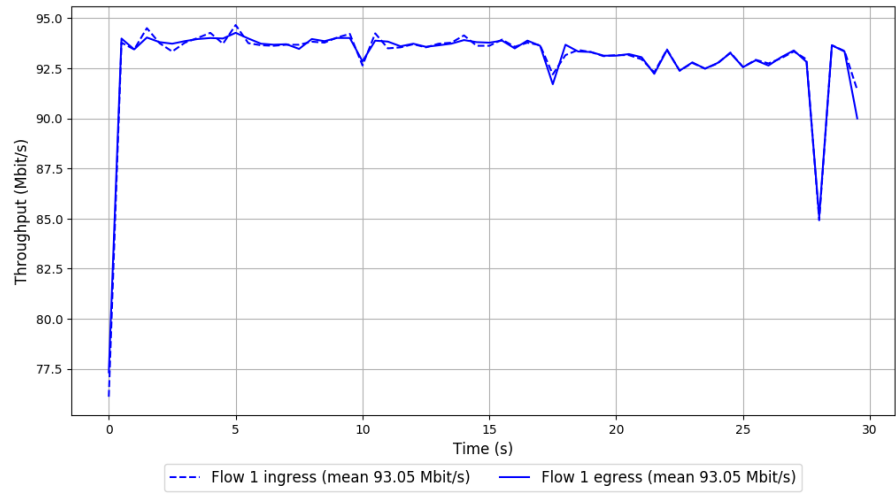


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-20 02:34:20
End at: 2018-02-20 02:34:50
Local clock offset: -3.974 ms
Remote clock offset: -12.501 ms

Below is generated by plot.py at 2018-02-20 05:14:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: -5.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: -5.612 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-20 02:57:04

End at: 2018-02-20 02:57:34

Local clock offset: -4.487 ms

Remote clock offset: -2.588 ms

Below is generated by plot.py at 2018-02-20 05:14:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: -5.677 ms

Loss rate: 0.00%

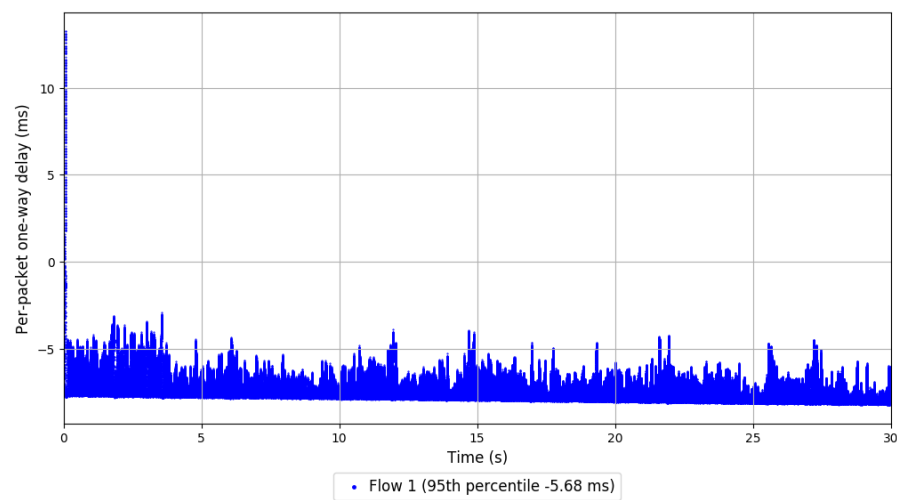
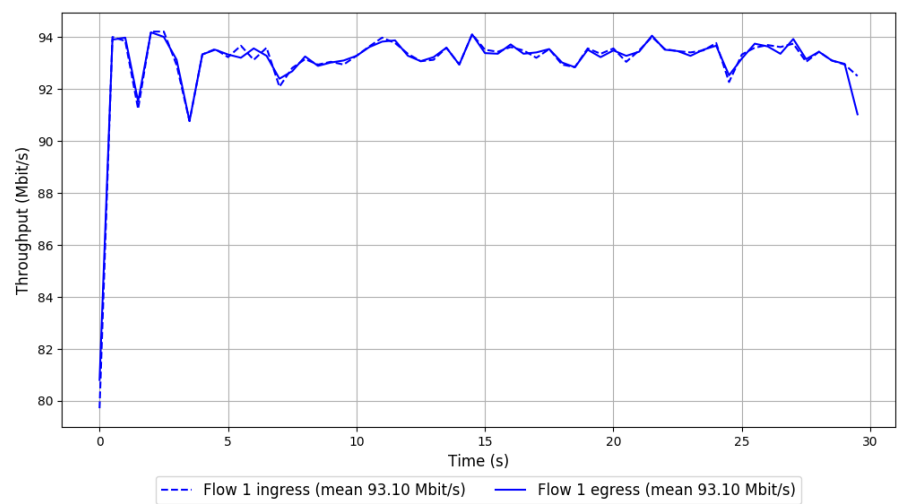
-- Flow 1:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: -5.677 ms

Loss rate: 0.00%

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

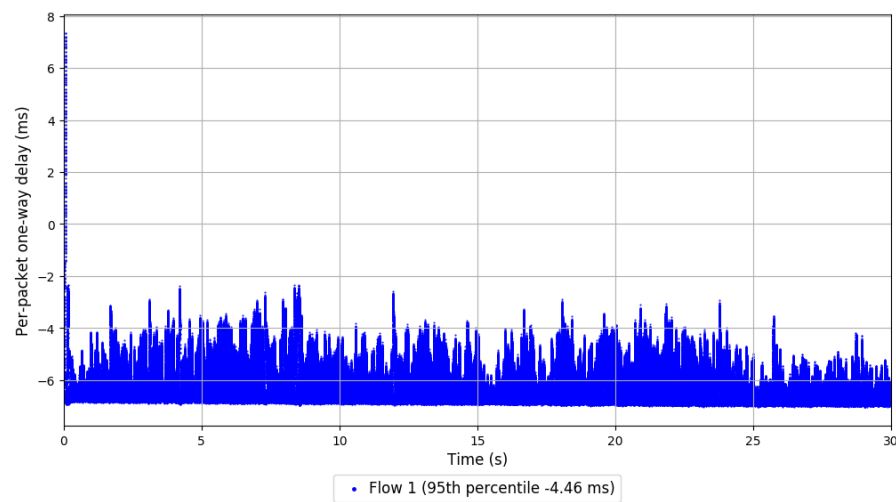
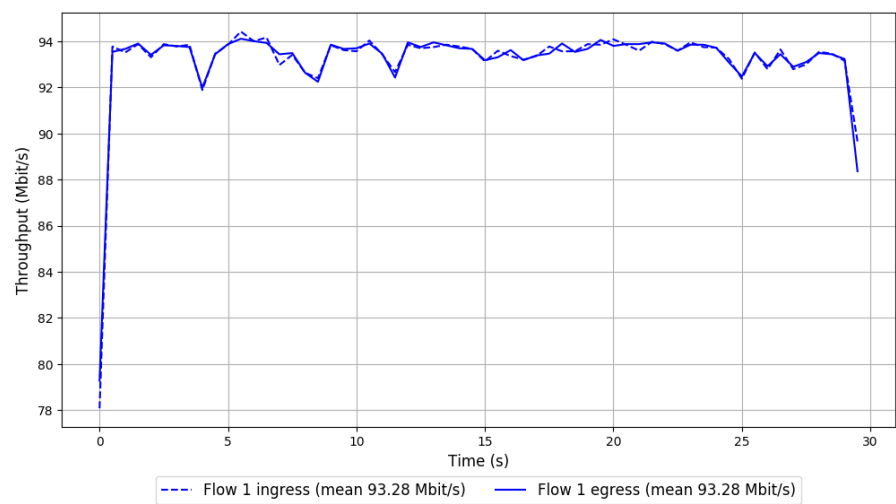


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-20 03:19:42
End at: 2018-02-20 03:20:12
Local clock offset: -4.923 ms
Remote clock offset: 10.812 ms

Below is generated by plot.py at 2018-02-20 05:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: -4.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: -4.458 ms
Loss rate: 0.00%

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

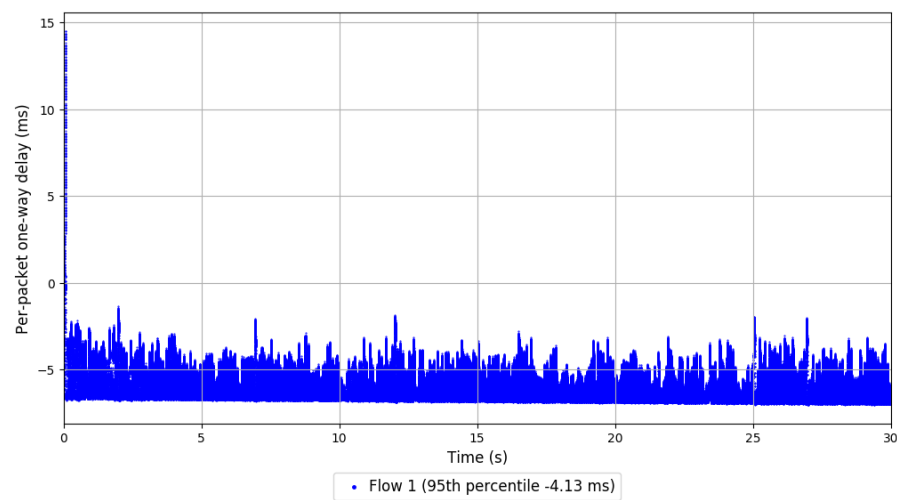
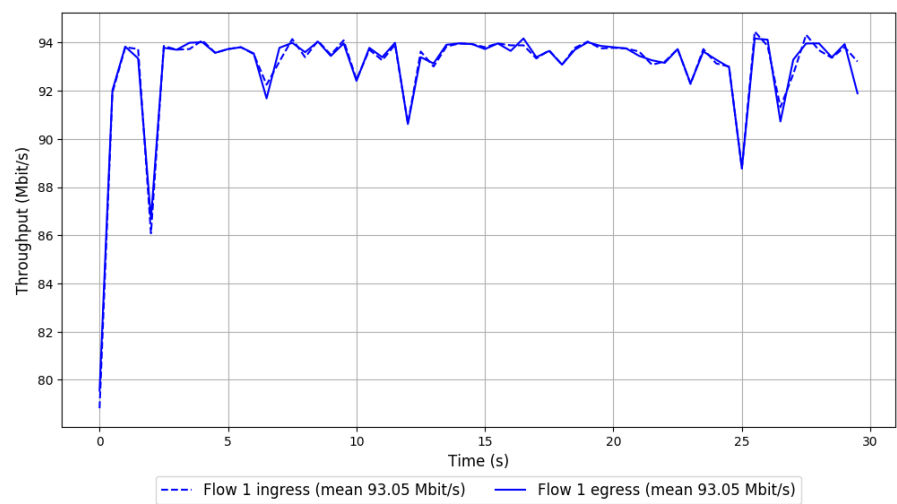


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-20 03:42:44
End at: 2018-02-20 03:43:14
Local clock offset: -12.617 ms
Remote clock offset: 17.109 ms

Below is generated by plot.py at 2018-02-20 05:14:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: -4.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: -4.132 ms
Loss rate: 0.00%

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

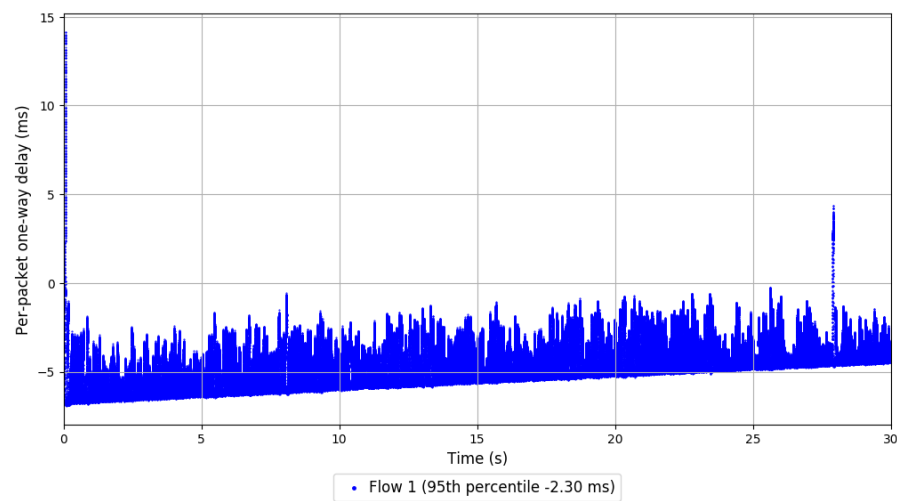
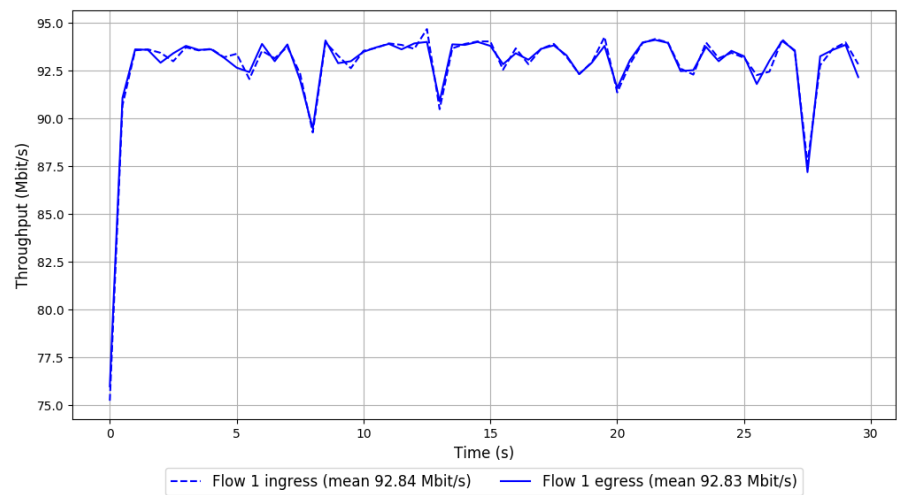


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-20 04:05:35
End at: 2018-02-20 04:06:05
Local clock offset: -16.205 ms
Remote clock offset: -5.911 ms

Below is generated by plot.py at 2018-02-20 05:16:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: -2.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: -2.299 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-20 04:28:44

End at: 2018-02-20 04:29:14

Local clock offset: 3.077 ms

Remote clock offset: -32.424 ms

Below is generated by plot.py at 2018-02-20 05:16:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: -1.501 ms

Loss rate: 0.00%

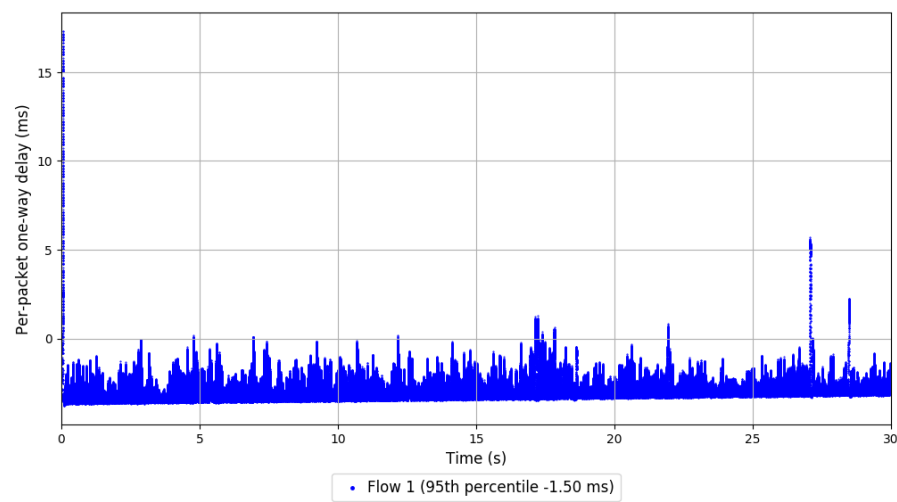
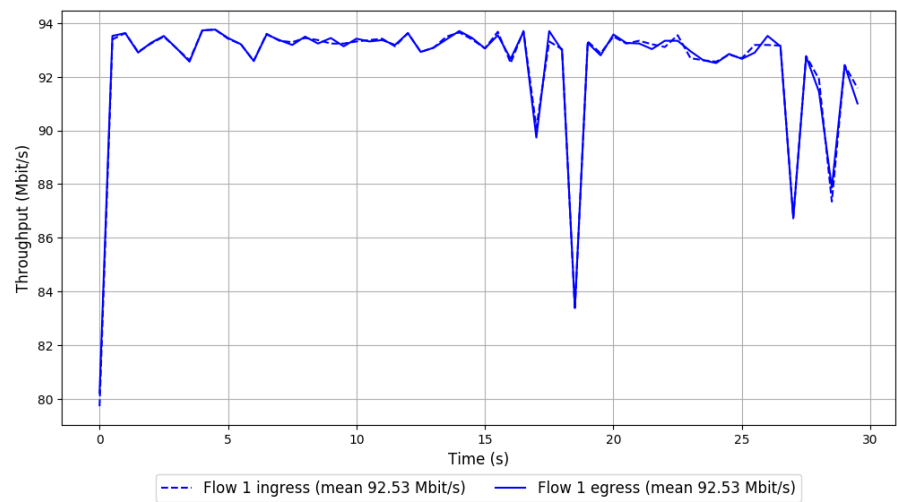
-- Flow 1:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: -1.501 ms

Loss rate: 0.00%

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

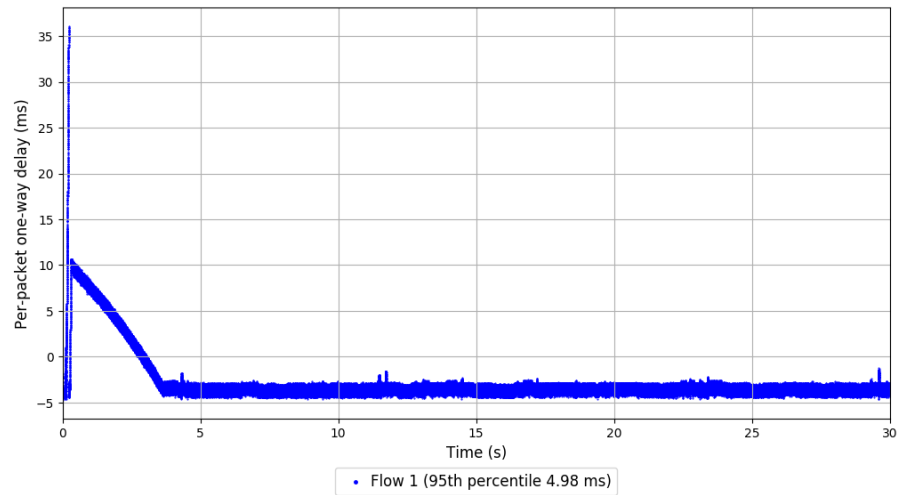
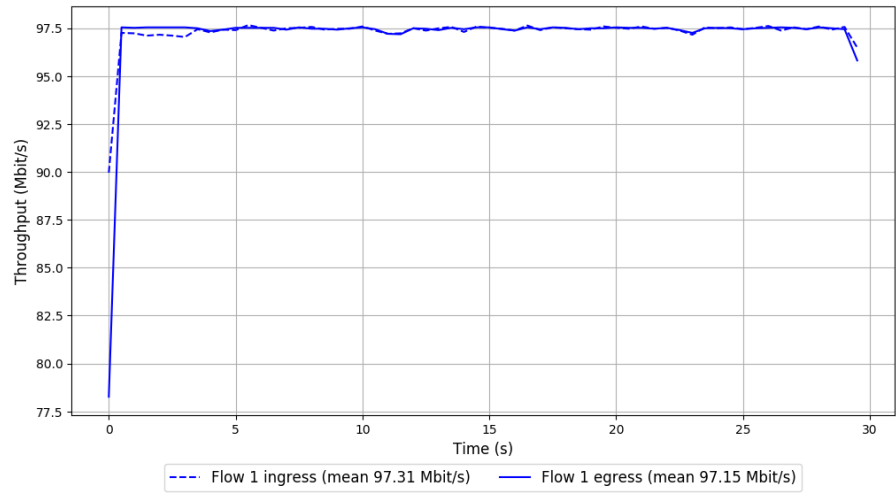


Run 1: Statistics of TCP Vegas

Start at: 2018-02-20 00:50:46
End at: 2018-02-20 00:51:16
Local clock offset: -6.439 ms
Remote clock offset: -13.845 ms

Below is generated by plot.py at 2018-02-20 05:16:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 4.982 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 4.982 ms
Loss rate: 0.17%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-20 01:12:40
End at: 2018-02-20 01:13:10
Local clock offset: -6.403 ms
Remote clock offset: -16.076 ms

Below is generated by plot.py at 2018-02-20 05:16:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 4.031 ms

Loss rate: 0.00%

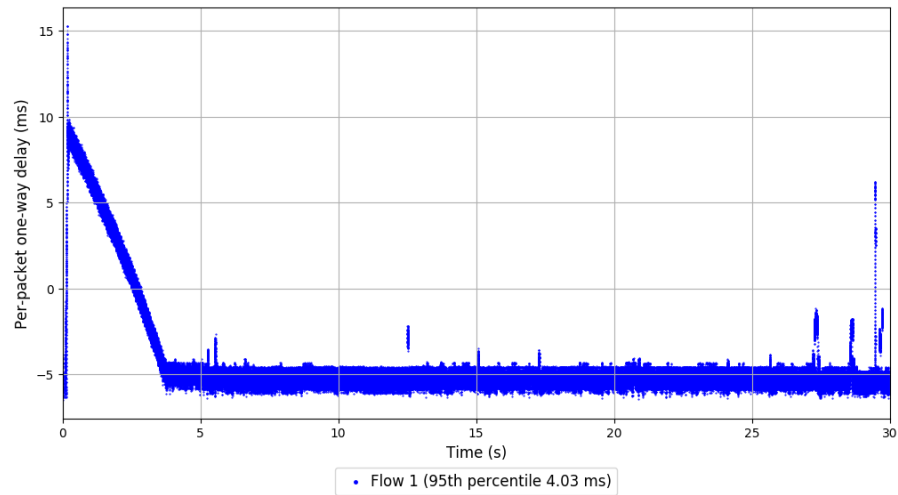
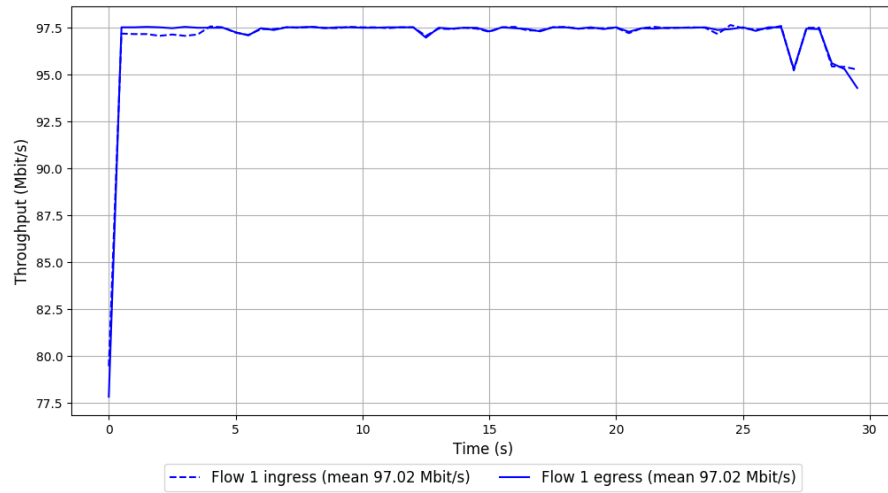
-- Flow 1:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 4.031 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

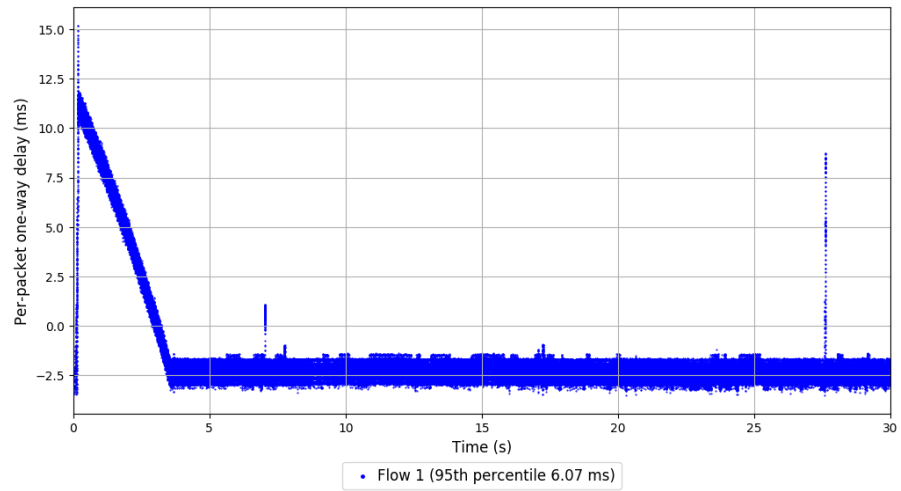
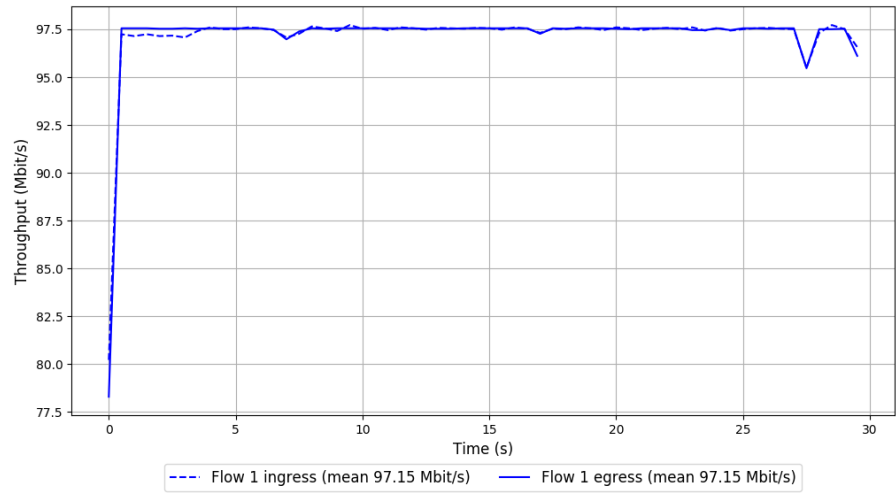


Run 3: Statistics of TCP Vegas

Start at: 2018-02-20 01:34:50
End at: 2018-02-20 01:35:20
Local clock offset: -10.398 ms
Remote clock offset: -15.557 ms

Below is generated by plot.py at 2018-02-20 05:16:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 6.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 6.073 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

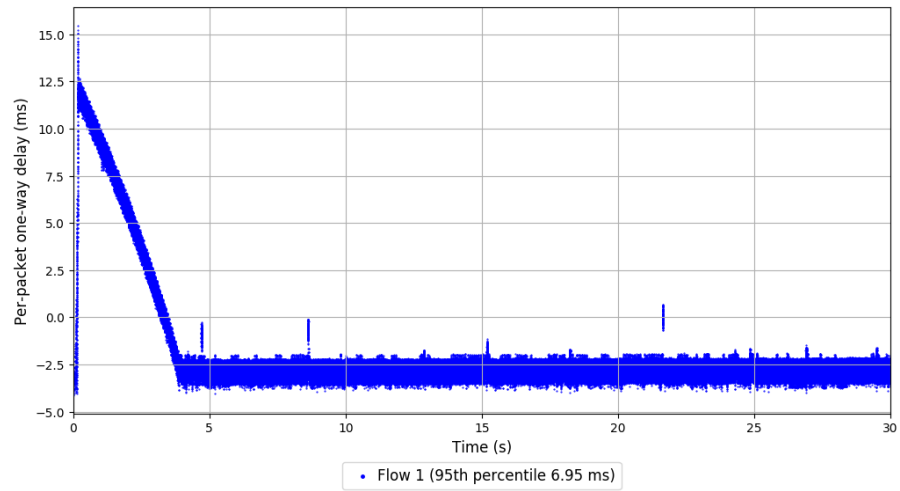
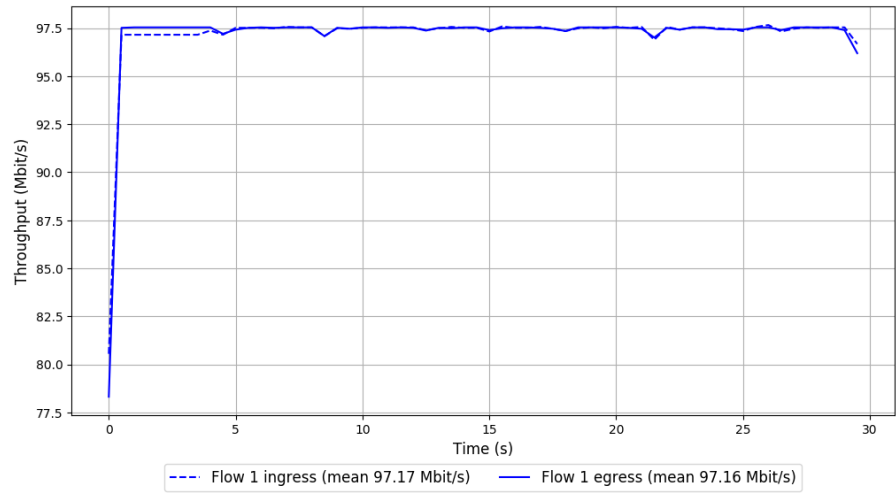


Run 4: Statistics of TCP Vegas

Start at: 2018-02-20 01:57:20
End at: 2018-02-20 01:57:50
Local clock offset: -8.771 ms
Remote clock offset: -17.636 ms

Below is generated by plot.py at 2018-02-20 05:16:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 6.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 6.951 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

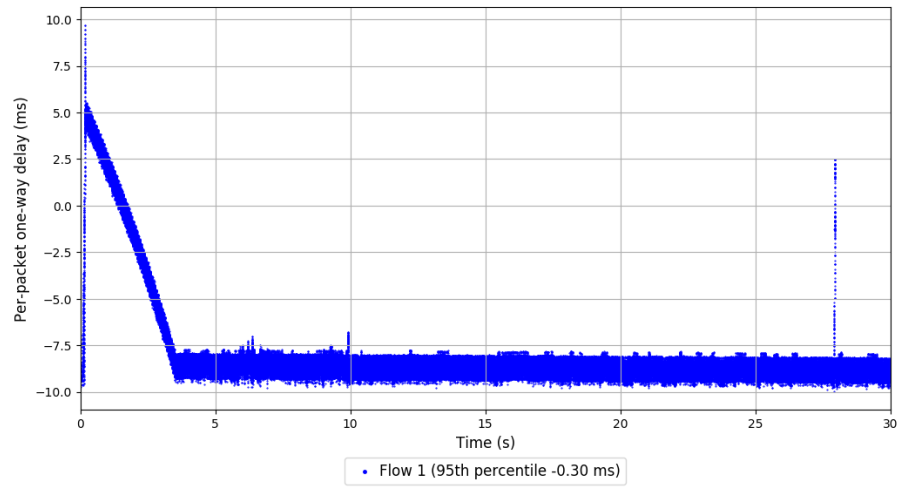
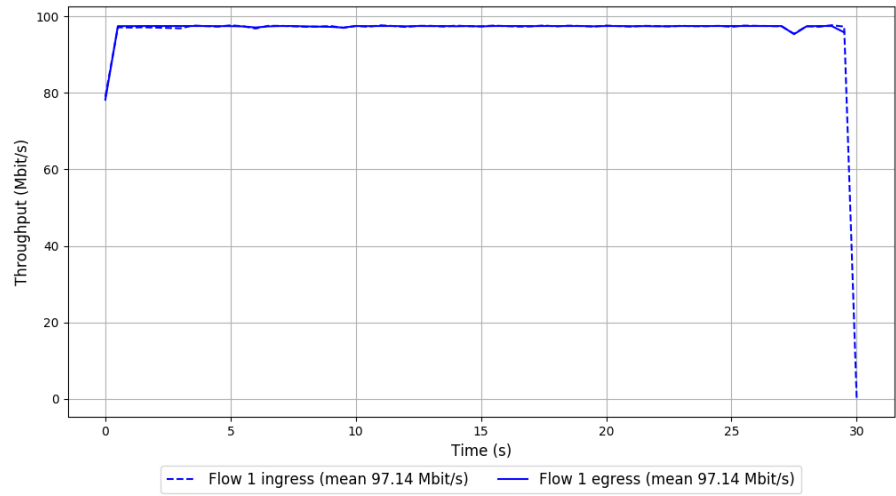


Run 5: Statistics of TCP Vegas

Start at: 2018-02-20 02:19:45
End at: 2018-02-20 02:20:15
Local clock offset: -4.588 ms
Remote clock offset: -18.698 ms

Below is generated by plot.py at 2018-02-20 05:16:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: -0.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: -0.297 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

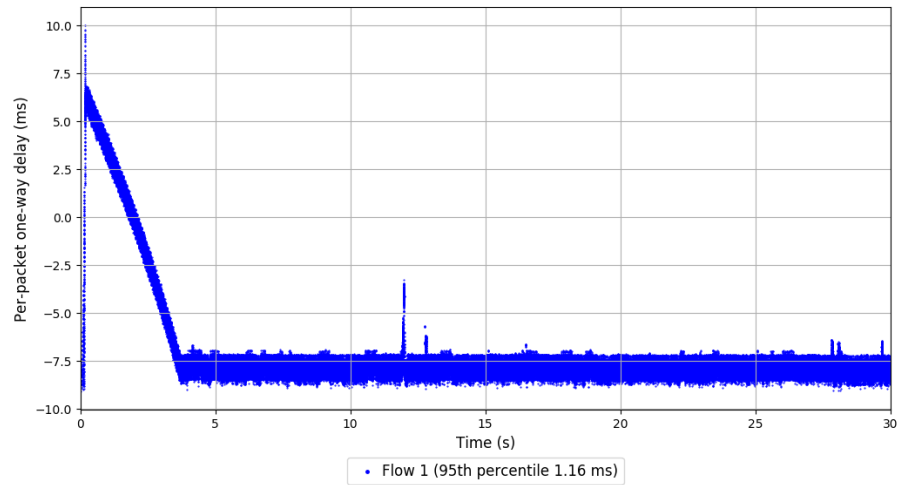
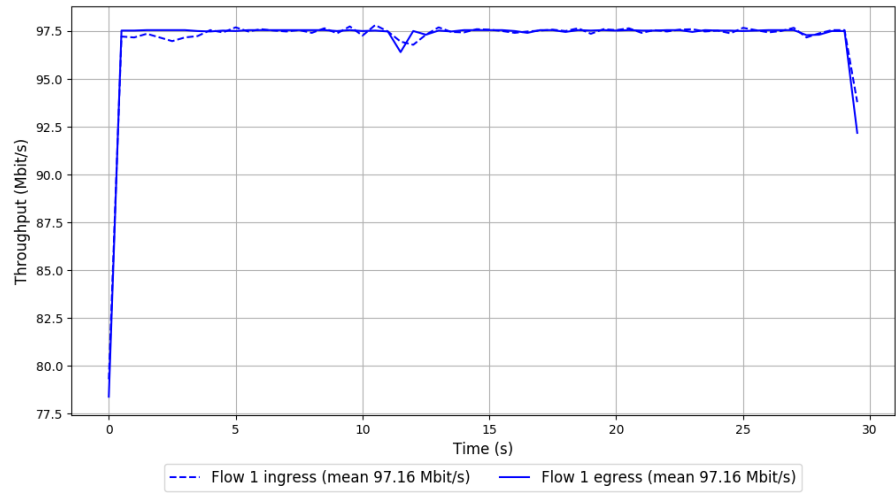


Run 6: Statistics of TCP Vegas

Start at: 2018-02-20 02:42:15
End at: 2018-02-20 02:42:45
Local clock offset: -5.626 ms
Remote clock offset: -14.396 ms

Below is generated by plot.py at 2018-02-20 05:16:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

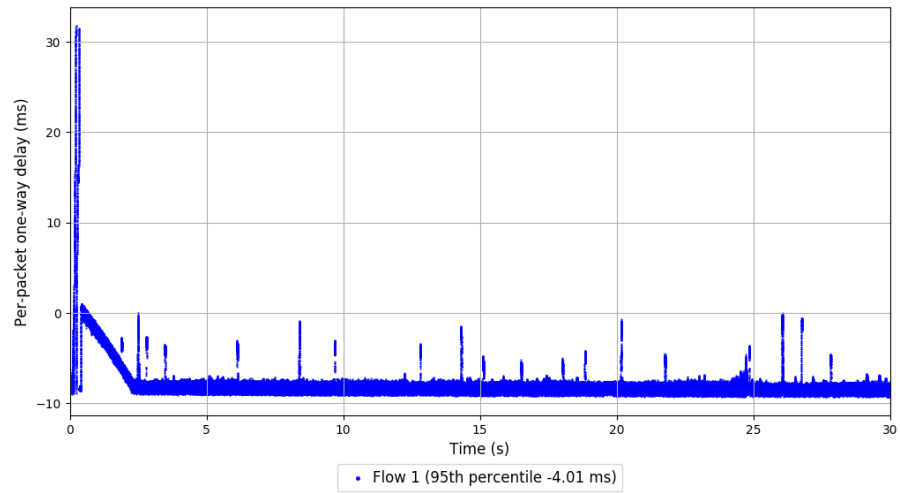
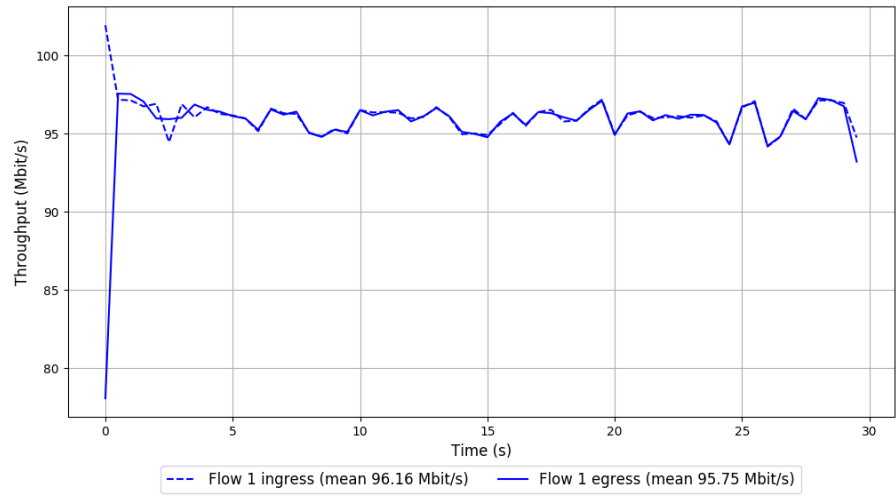


Run 7: Statistics of TCP Vegas

Start at: 2018-02-20 03:04:56
End at: 2018-02-20 03:05:26
Local clock offset: -4.575 ms
Remote clock offset: 2.447 ms

Below is generated by plot.py at 2018-02-20 05:17:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: -4.013 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: -4.013 ms
Loss rate: 0.41%

Run 7: Report of TCP Vegas — Data Link

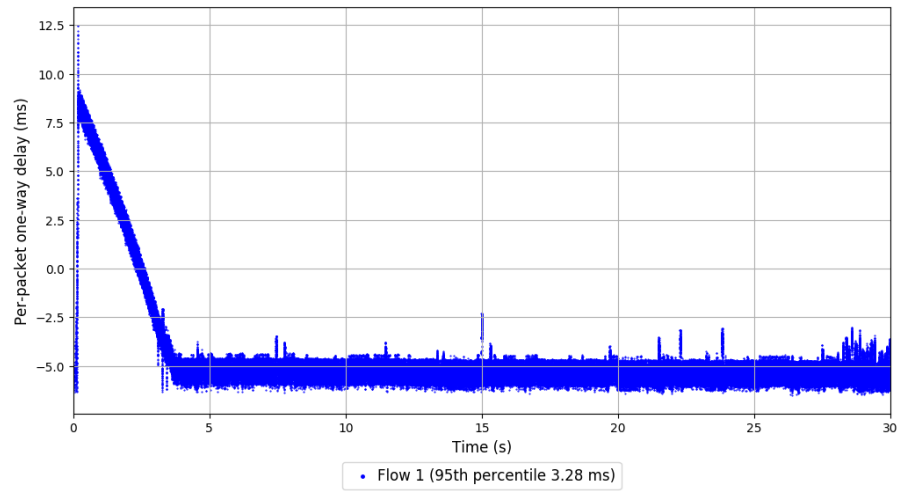
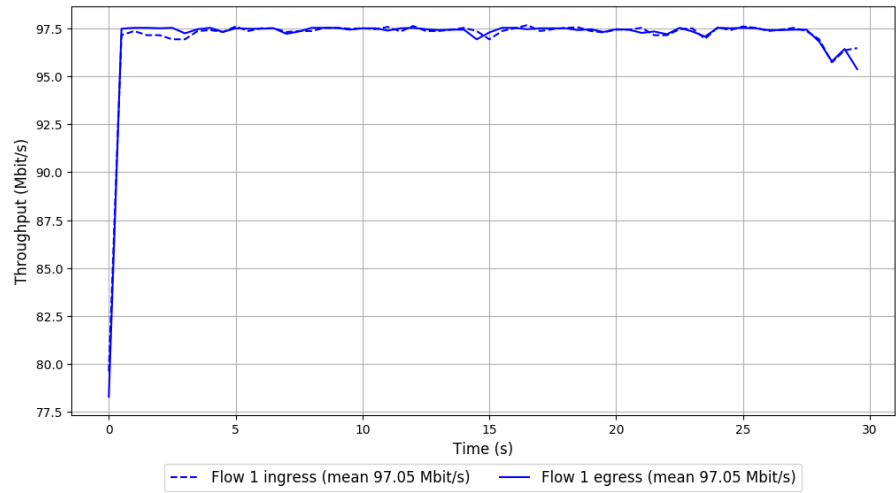


Run 8: Statistics of TCP Vegas

Start at: 2018-02-20 03:27:54
End at: 2018-02-20 03:28:24
Local clock offset: -6.762 ms
Remote clock offset: 12.345 ms

Below is generated by plot.py at 2018-02-20 05:17:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 3.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 3.280 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

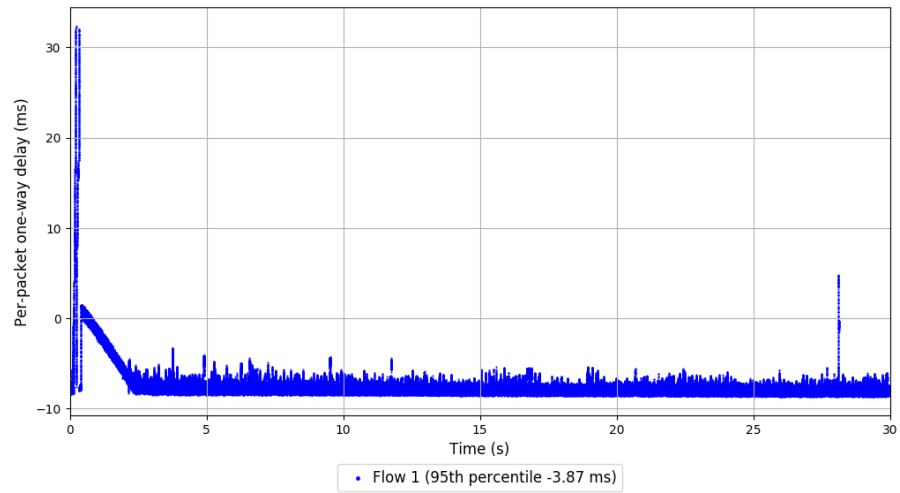
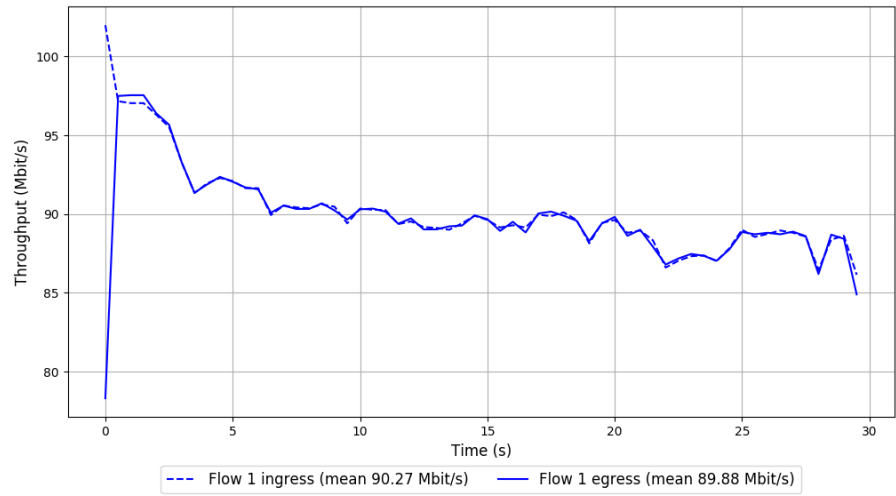


Run 9: Statistics of TCP Vegas

Start at: 2018-02-20 03:50:59
End at: 2018-02-20 03:51:29
Local clock offset: -13.263 ms
Remote clock offset: 19.177 ms

Below is generated by plot.py at 2018-02-20 05:17:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: -3.873 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: -3.873 ms
Loss rate: 0.43%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-20 04:13:45

End at: 2018-02-20 04:14:15

Local clock offset: -4.764 ms

Remote clock offset: -22.676 ms

Below is generated by plot.py at 2018-02-20 05:17:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 1.514 ms

Loss rate: 0.17%

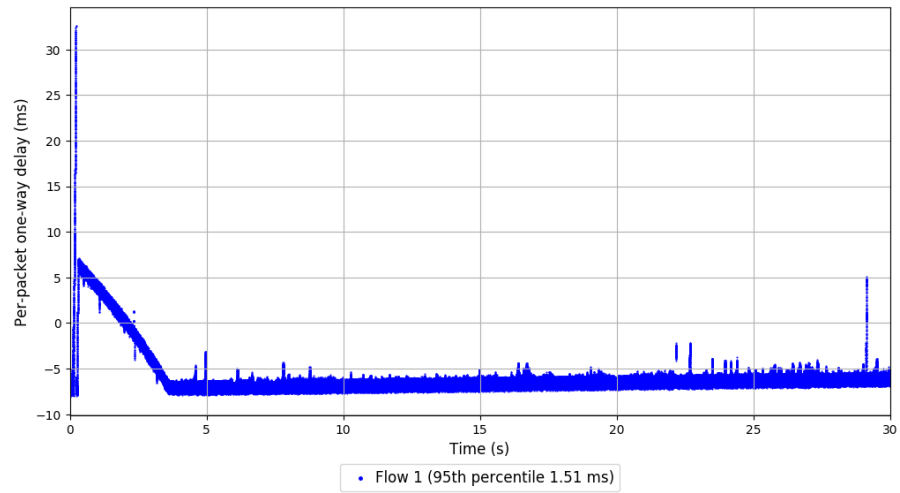
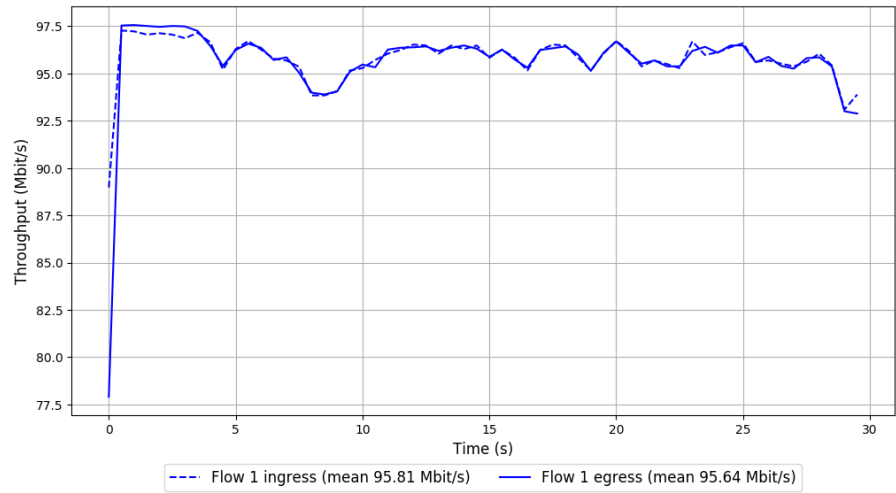
-- Flow 1:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 1.514 ms

Loss rate: 0.17%

Run 10: Report of TCP Vegas — Data Link

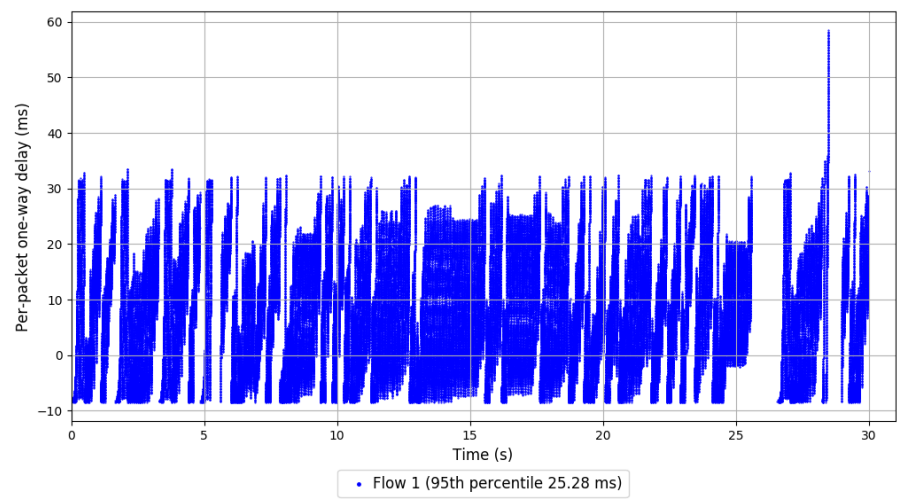
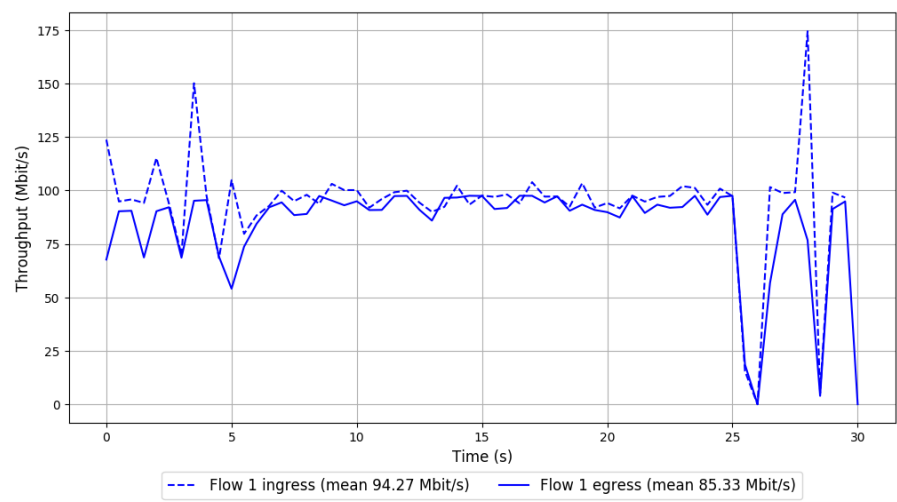


Run 1: Statistics of Verus

Start at: 2018-02-20 01:00:16
End at: 2018-02-20 01:00:46
Local clock offset: -3.096 ms
Remote clock offset: -14.926 ms

Below is generated by plot.py at 2018-02-20 05:17:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: 25.277 ms
Loss rate: 9.36%
-- Flow 1:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: 25.277 ms
Loss rate: 9.36%

Run 1: Report of Verus — Data Link

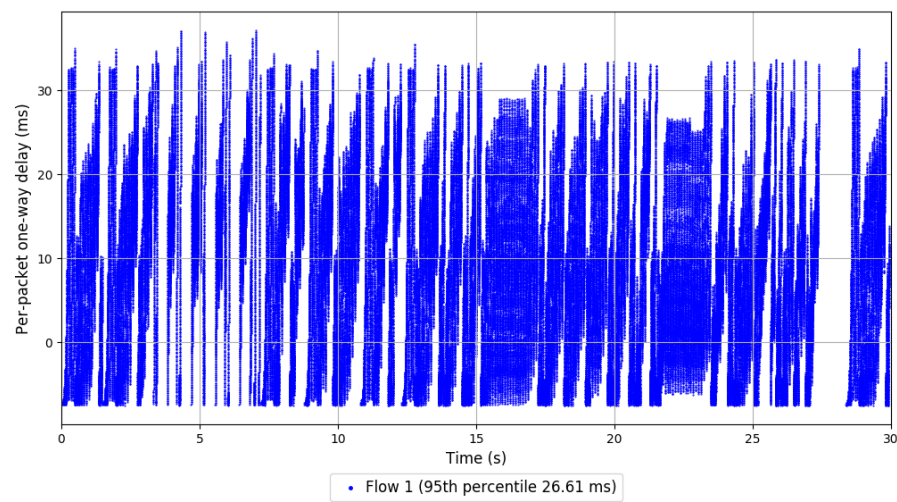
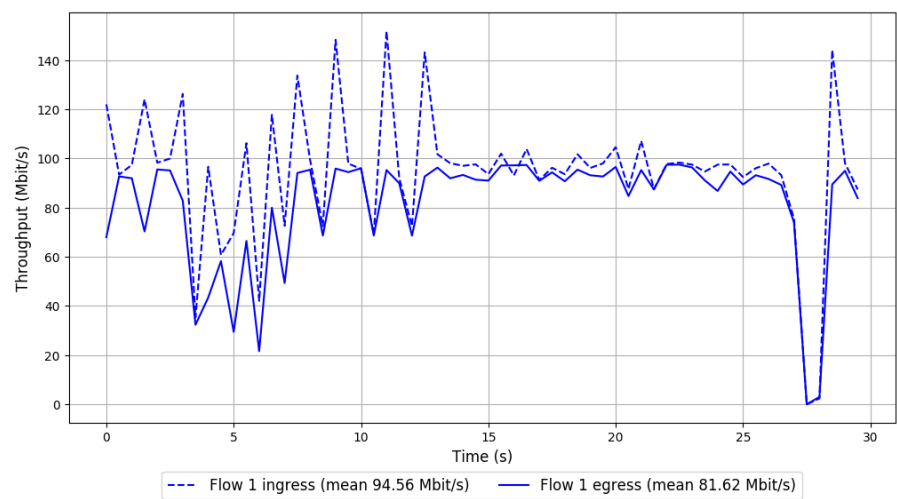


Run 2: Statistics of Verus

Start at: 2018-02-20 01:22:18
End at: 2018-02-20 01:22:48
Local clock offset: -5.805 ms
Remote clock offset: -15.413 ms

Below is generated by plot.py at 2018-02-20 05:17:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: 26.608 ms
Loss rate: 13.66%
-- Flow 1:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: 26.608 ms
Loss rate: 13.66%

Run 2: Report of Verus — Data Link

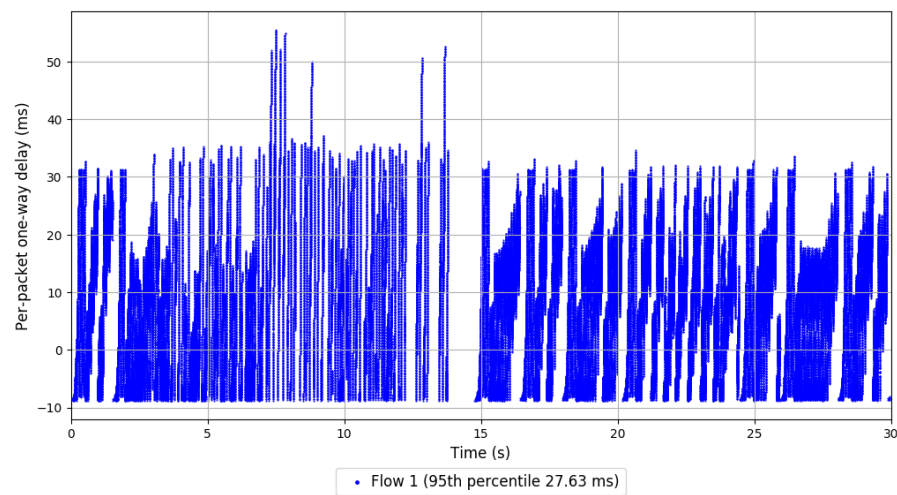
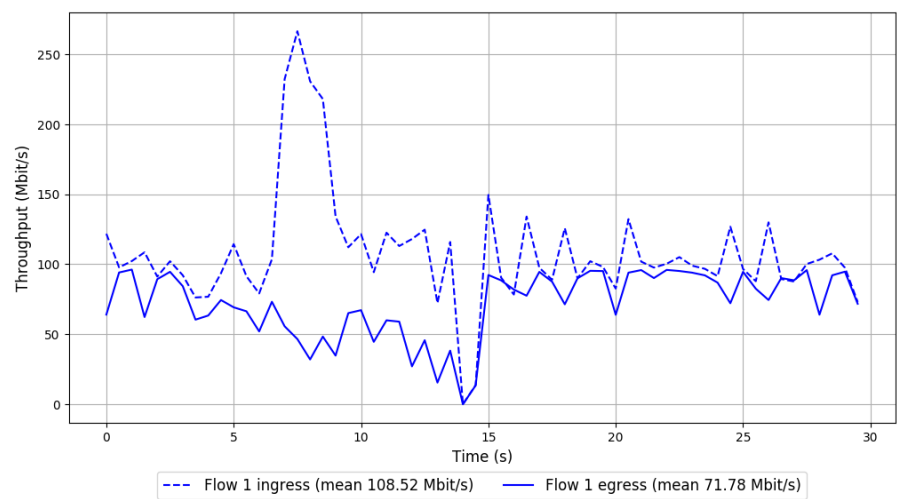


Run 3: Statistics of Verus

Start at: 2018-02-20 01:44:37
End at: 2018-02-20 01:45:07
Local clock offset: -6.639 ms
Remote clock offset: -17.486 ms

Below is generated by plot.py at 2018-02-20 05:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.78 Mbit/s
95th percentile per-packet one-way delay: 27.629 ms
Loss rate: 33.86%
-- Flow 1:
Average throughput: 71.78 Mbit/s
95th percentile per-packet one-way delay: 27.629 ms
Loss rate: 33.86%

Run 3: Report of Verus — Data Link

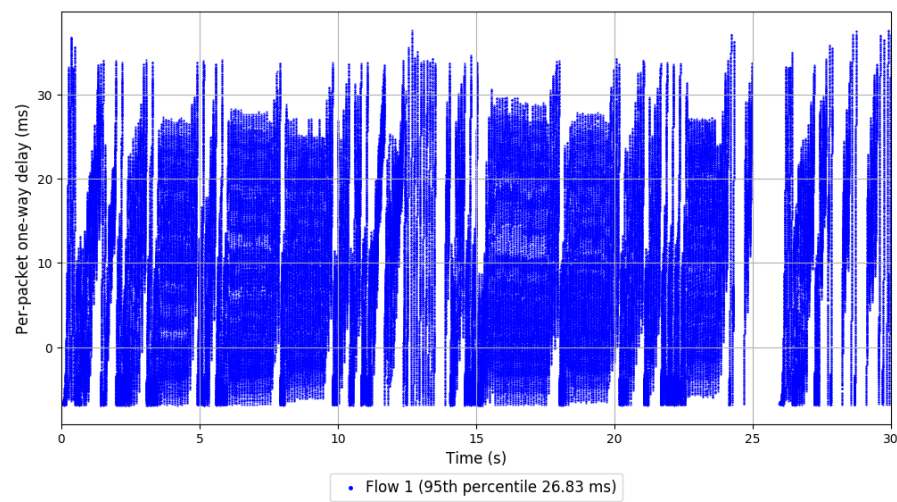
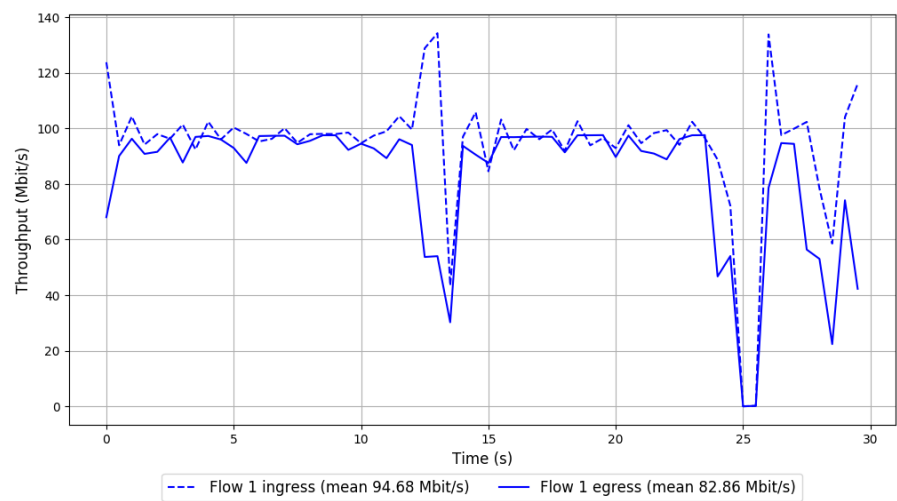


Run 4: Statistics of Verus

Start at: 2018-02-20 02:07:10
End at: 2018-02-20 02:07:40
Local clock offset: -6.154 ms
Remote clock offset: -19.284 ms

Below is generated by plot.py at 2018-02-20 05:17:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 26.826 ms
Loss rate: 12.37%
-- Flow 1:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 26.826 ms
Loss rate: 12.37%

Run 4: Report of Verus — Data Link

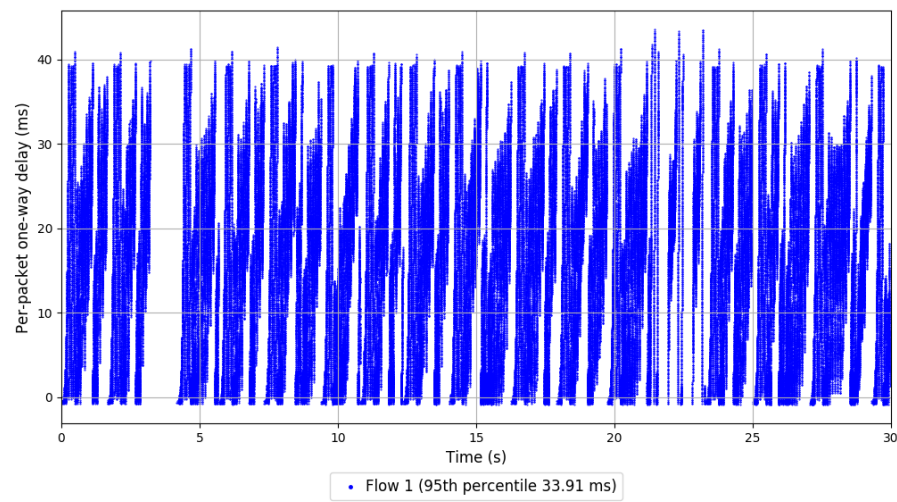
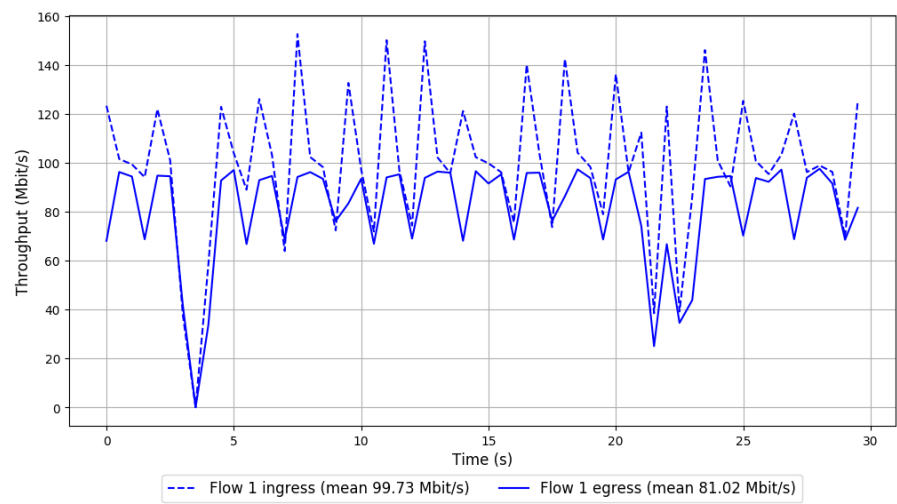


Run 5: Statistics of Verus

Start at: 2018-02-20 02:29:33
End at: 2018-02-20 02:30:03
Local clock offset: -12.81 ms
Remote clock offset: -14.713 ms

Below is generated by plot.py at 2018-02-20 05:18:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.02 Mbit/s
95th percentile per-packet one-way delay: 33.913 ms
Loss rate: 18.75%
-- Flow 1:
Average throughput: 81.02 Mbit/s
95th percentile per-packet one-way delay: 33.913 ms
Loss rate: 18.75%

Run 5: Report of Verus — Data Link

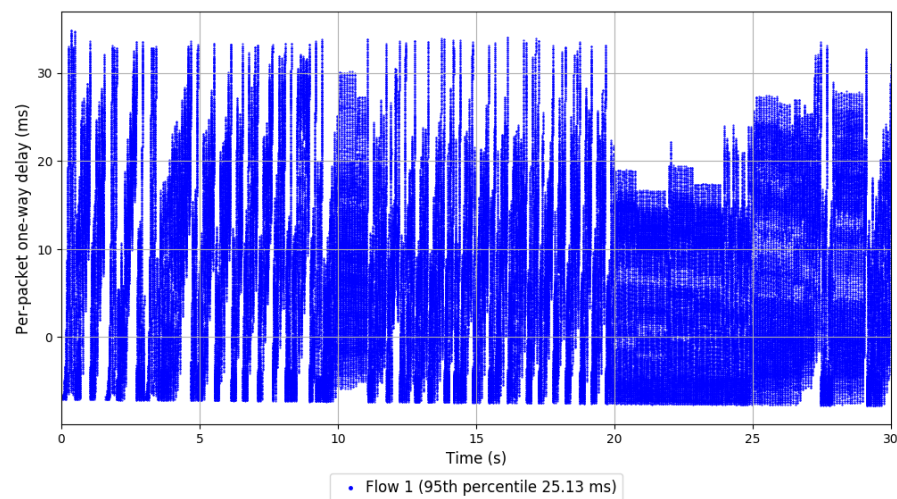
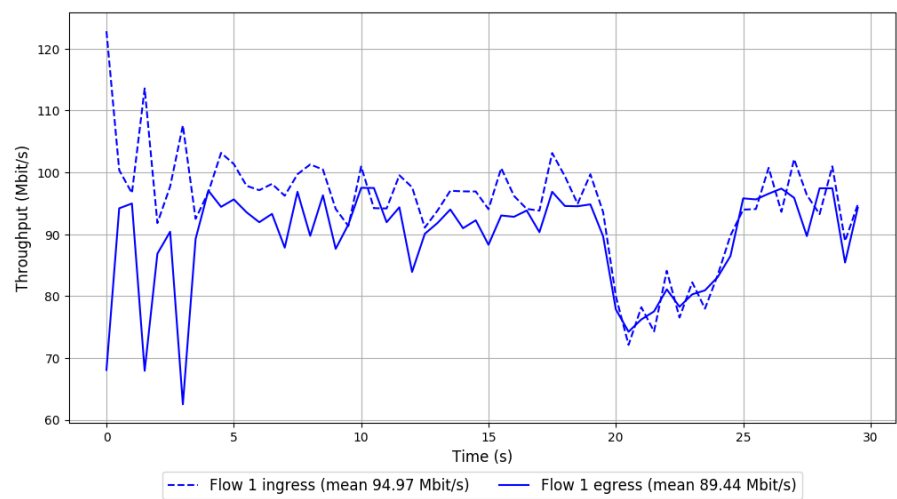


Run 6: Statistics of Verus

Start at: 2018-02-20 02:52:00
End at: 2018-02-20 02:52:30
Local clock offset: -4.67 ms
Remote clock offset: -7.998 ms

Below is generated by plot.py at 2018-02-20 05:18:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 25.131 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 25.131 ms
Loss rate: 5.71%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-20 03:14:50

End at: 2018-02-20 03:15:20

Local clock offset: -7.707 ms

Remote clock offset: 7.788 ms

Below is generated by plot.py at 2018-02-20 05:18:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.77 Mbit/s

95th percentile per-packet one-way delay: 29.370 ms

Loss rate: 21.36%

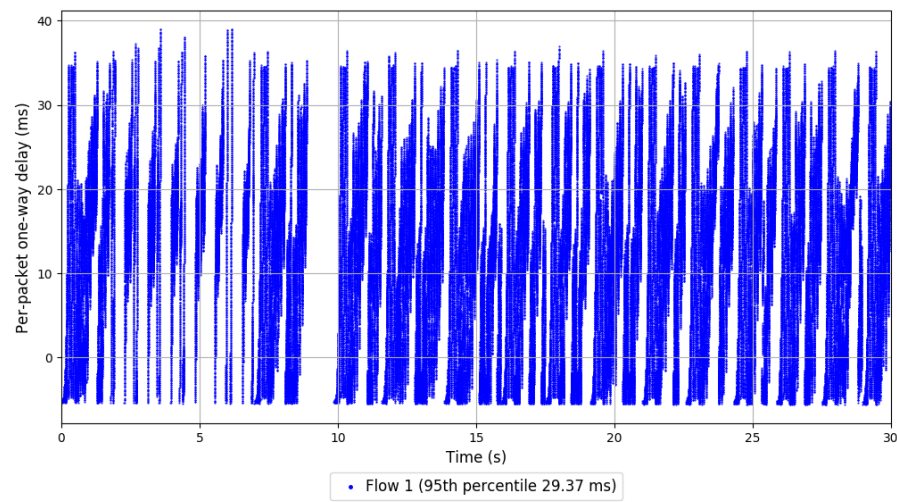
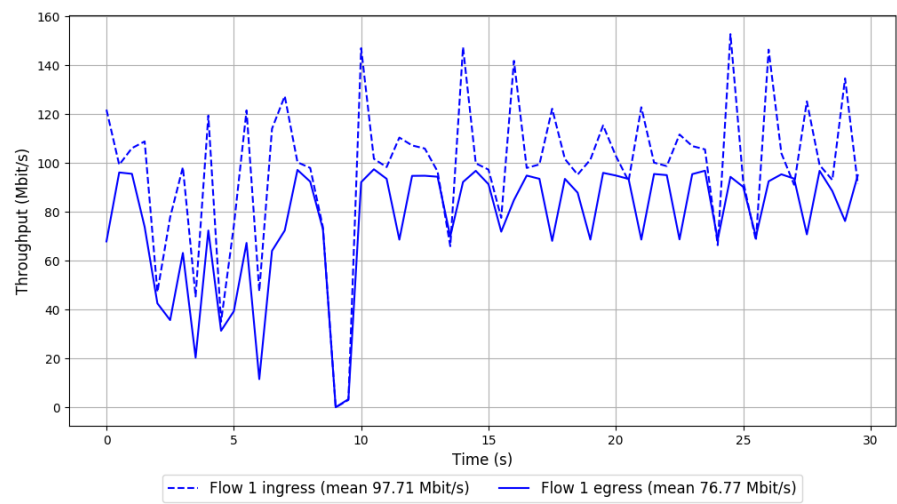
-- Flow 1:

Average throughput: 76.77 Mbit/s

95th percentile per-packet one-way delay: 29.370 ms

Loss rate: 21.36%

Run 7: Report of Verus — Data Link

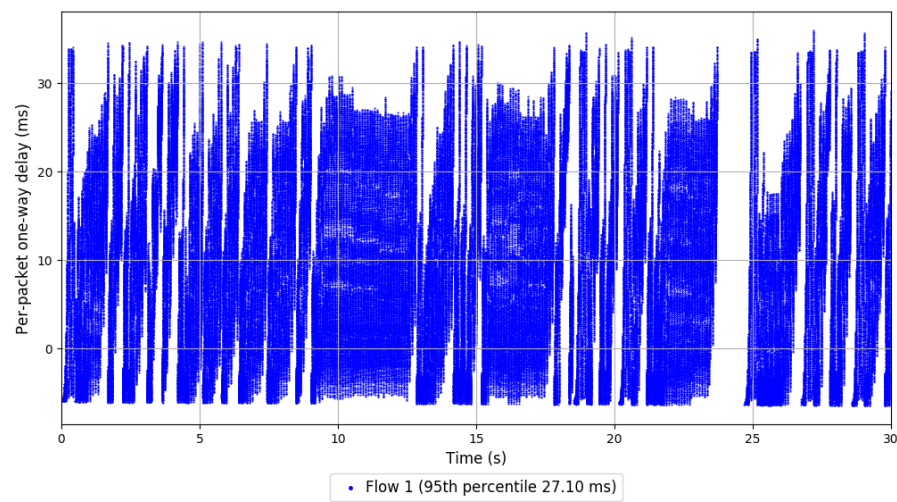
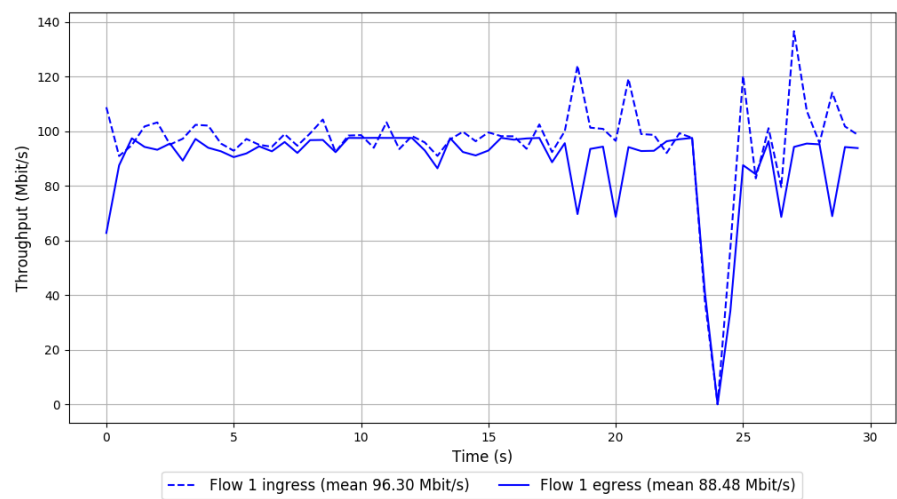


Run 8: Statistics of Verus

Start at: 2018-02-20 03:37:46
End at: 2018-02-20 03:38:16
Local clock offset: -11.158 ms
Remote clock offset: 15.69 ms

Below is generated by plot.py at 2018-02-20 05:18:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 27.103 ms
Loss rate: 8.01%
-- Flow 1:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 27.103 ms
Loss rate: 8.01%

Run 8: Report of Verus — Data Link

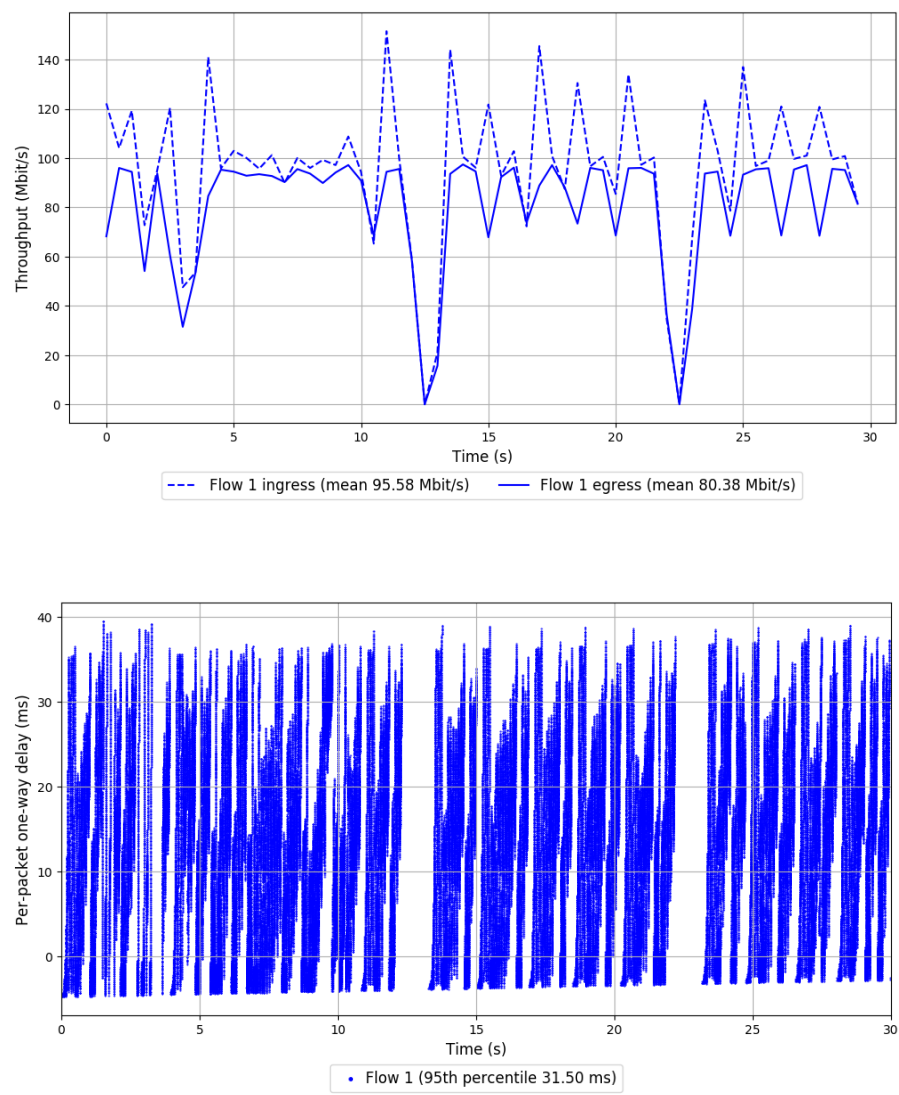


Run 9: Statistics of Verus

Start at: 2018-02-20 04:00:44
End at: 2018-02-20 04:01:14
Local clock offset: -17.175 ms
Remote clock offset: 10.932 ms

Below is generated by plot.py at 2018-02-20 05:18:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 31.498 ms
Loss rate: 15.90%
-- Flow 1:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 31.498 ms
Loss rate: 15.90%

Run 9: Report of Verus — Data Link

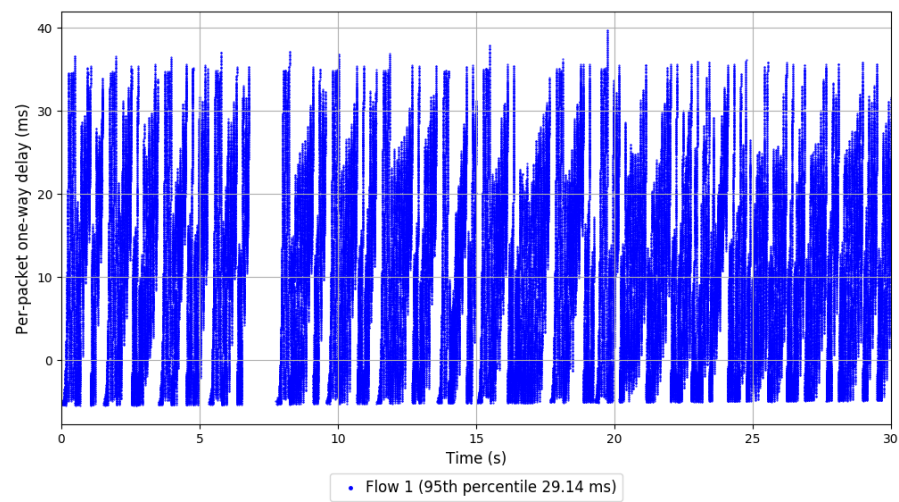
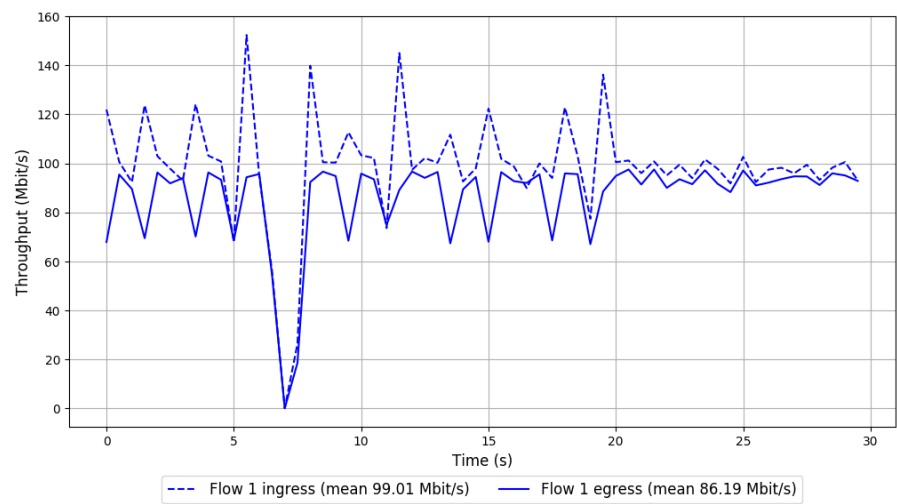


Run 10: Statistics of Verus

Start at: 2018-02-20 04:23:43
End at: 2018-02-20 04:24:13
Local clock offset: 3.076 ms
Remote clock offset: -28.581 ms

Below is generated by plot.py at 2018-02-20 05:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 29.143 ms
Loss rate: 12.84%
-- Flow 1:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 29.143 ms
Loss rate: 12.84%

Run 10: Report of Verus — Data Link

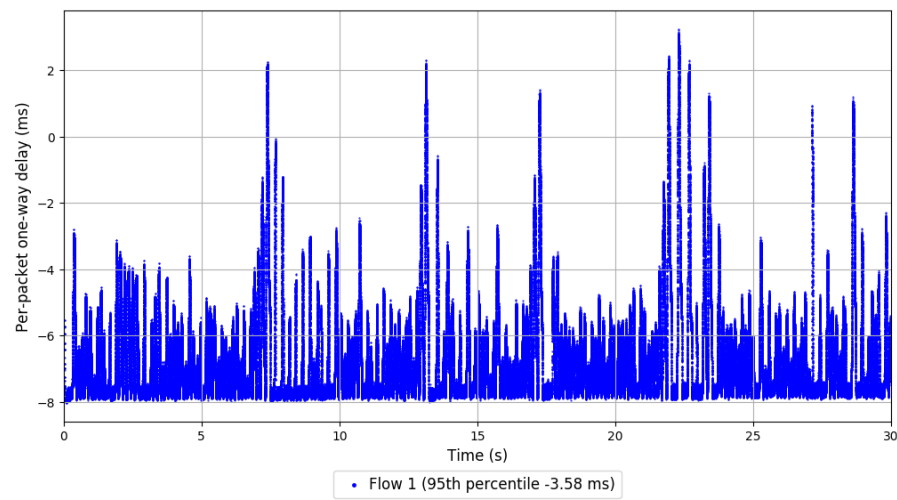
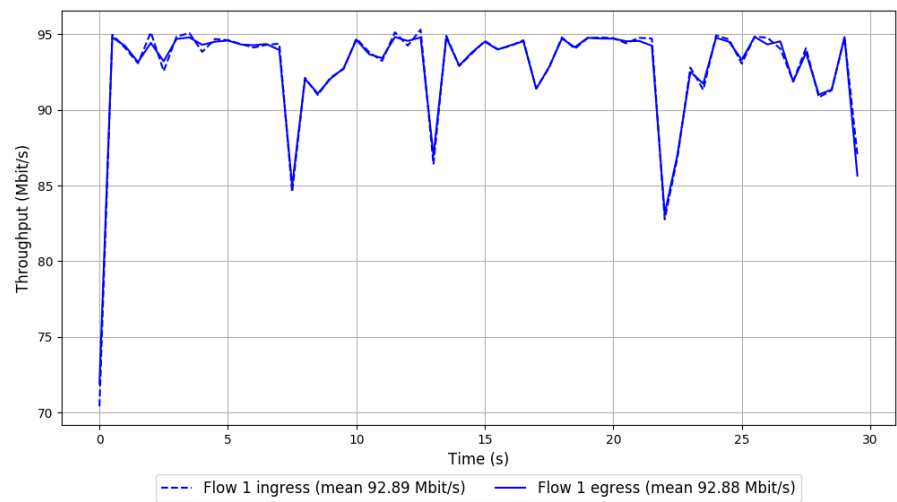


Run 1: Statistics of Copa

Start at: 2018-02-20 00:47:01
End at: 2018-02-20 00:47:31
Local clock offset: -3.136 ms
Remote clock offset: -13.506 ms

Below is generated by plot.py at 2018-02-20 05:20:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: -3.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: -3.582 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

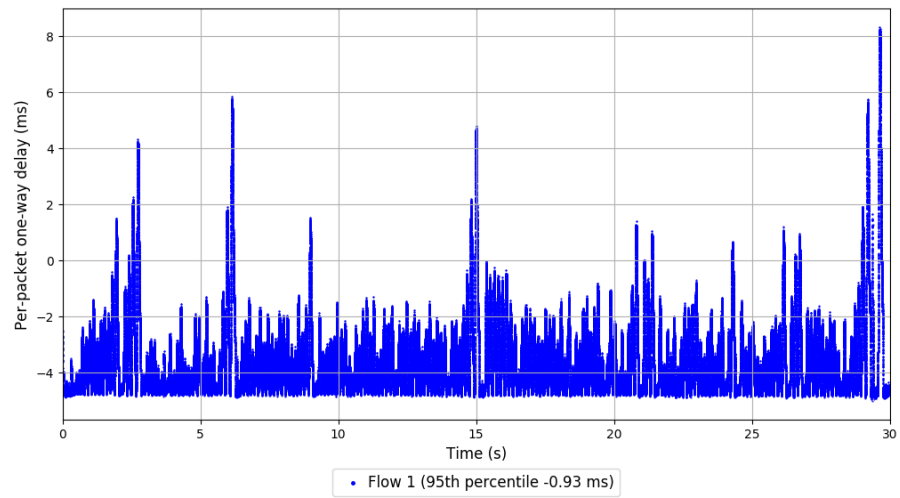
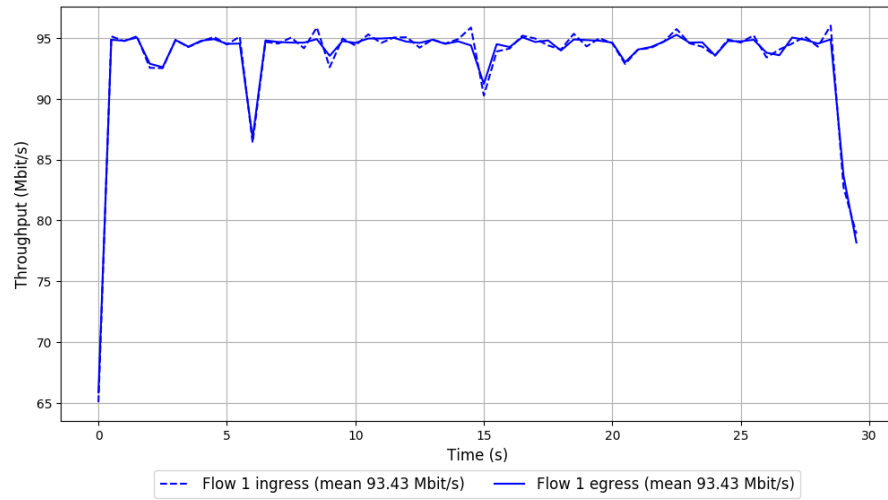


Run 2: Statistics of Copa

Start at: 2018-02-20 01:08:49
End at: 2018-02-20 01:09:19
Local clock offset: -8.047 ms
Remote clock offset: -16.564 ms

Below is generated by plot.py at 2018-02-20 05:20:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: -0.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: -0.927 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

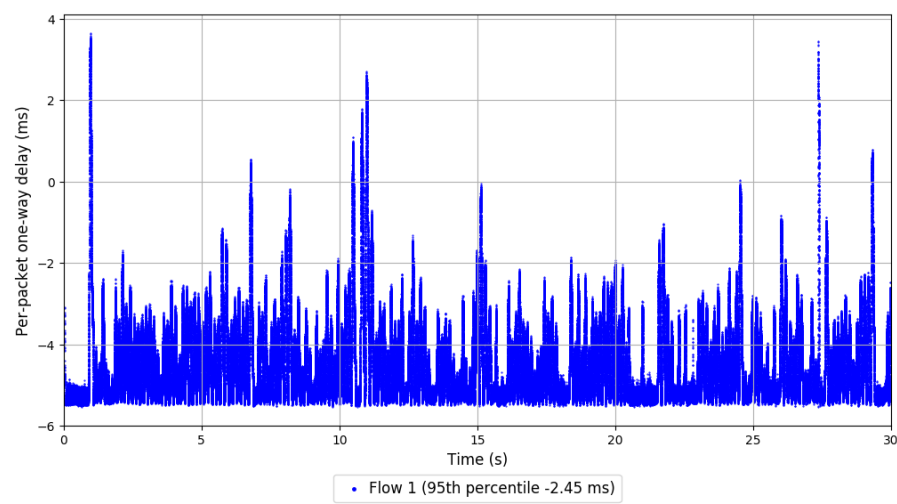
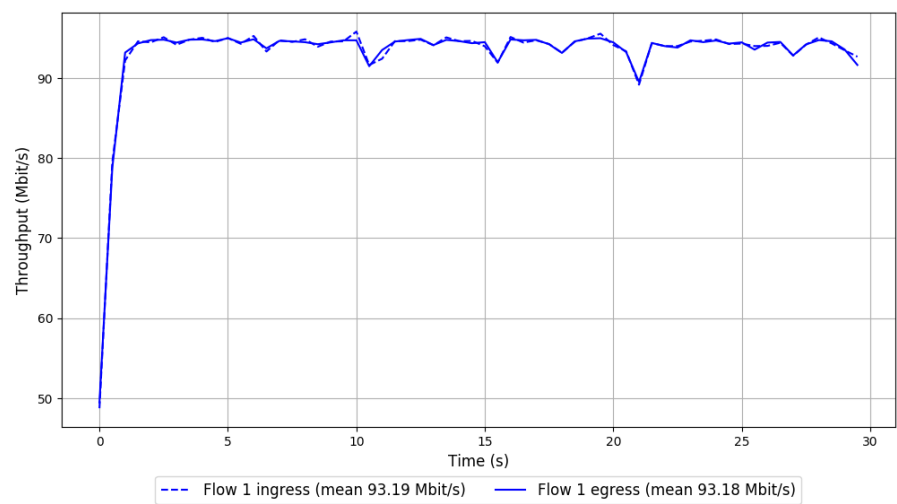


Run 3: Statistics of Copa

Start at: 2018-02-20 01:30:55
End at: 2018-02-20 01:31:25
Local clock offset: -8.39 ms
Remote clock offset: -15.609 ms

Below is generated by plot.py at 2018-02-20 05:20:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: -2.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: -2.451 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

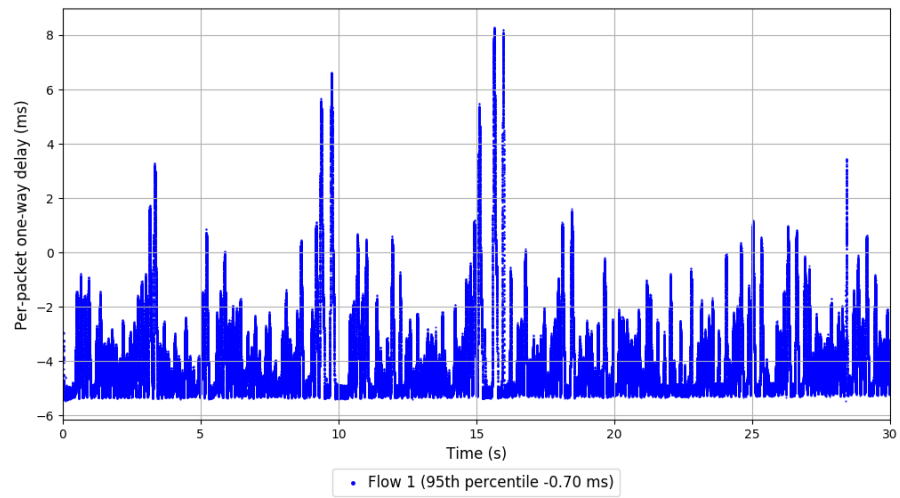
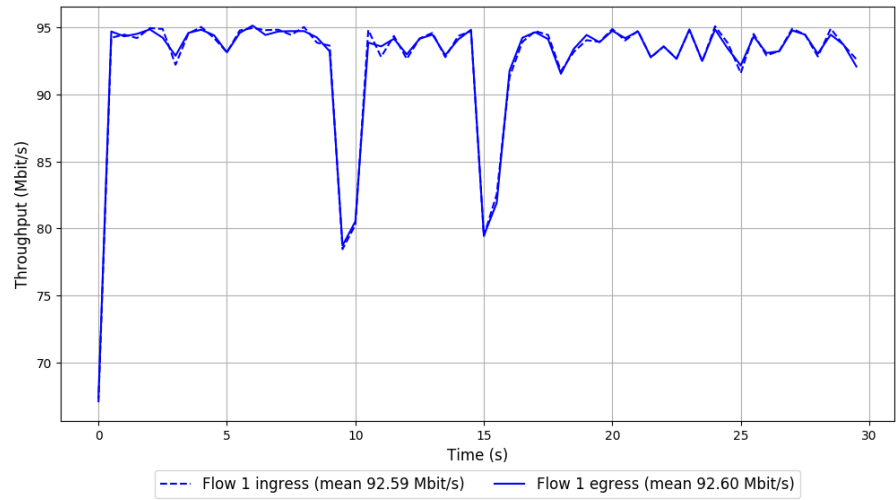


Run 4: Statistics of Copa

Start at: 2018-02-20 01:53:27
End at: 2018-02-20 01:53:57
Local clock offset: -8.973 ms
Remote clock offset: -18.355 ms

Below is generated by plot.py at 2018-02-20 05:21:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: -0.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: -0.705 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

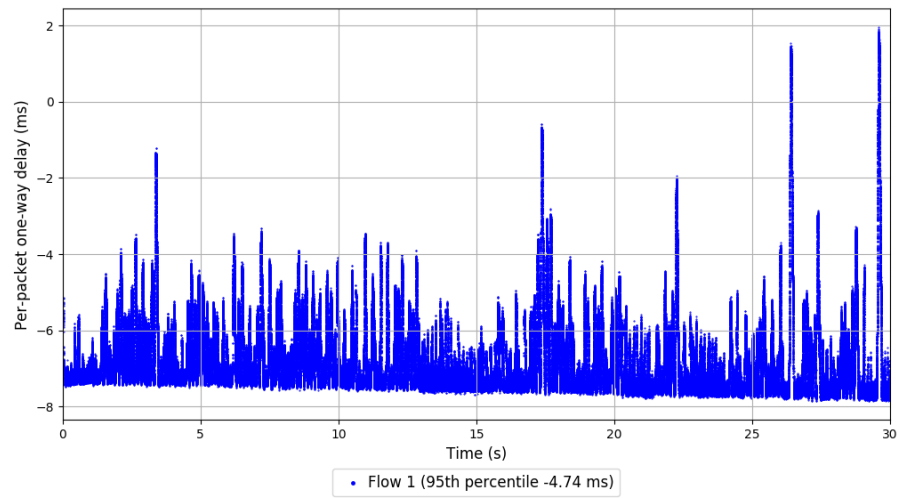
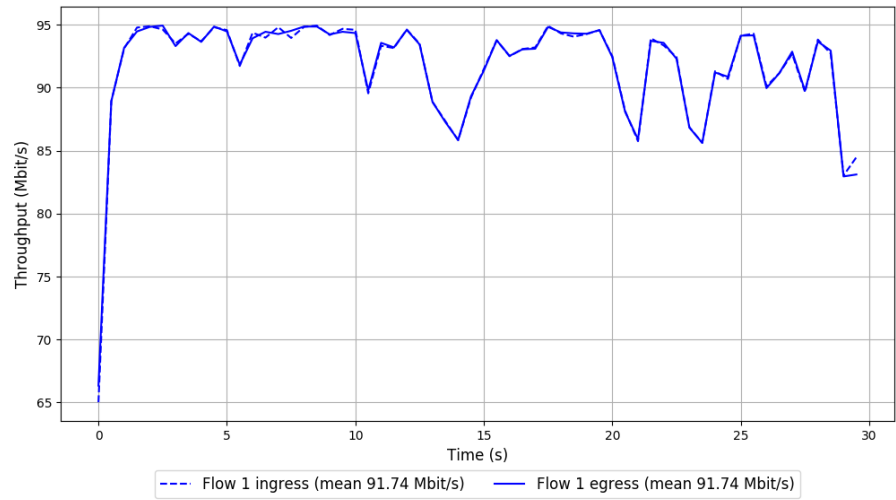


Run 5: Statistics of Copa

Start at: 2018-02-20 02:15:53
End at: 2018-02-20 02:16:23
Local clock offset: -5.001 ms
Remote clock offset: -19.504 ms

Below is generated by plot.py at 2018-02-20 05:21:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: -4.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: -4.744 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

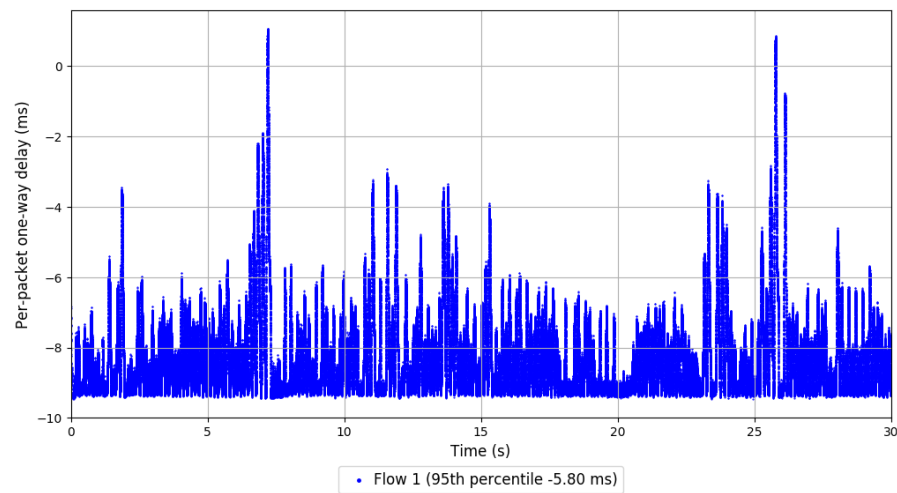
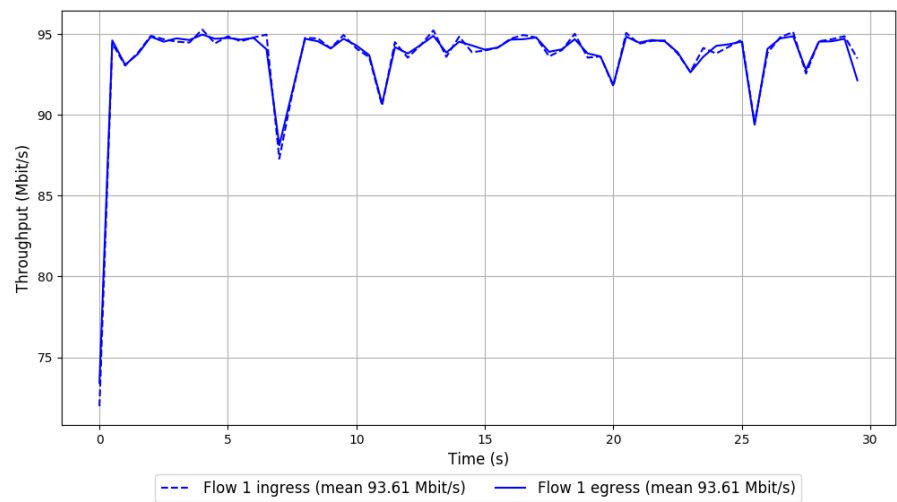


Run 6: Statistics of Copa

Start at: 2018-02-20 02:38:12
End at: 2018-02-20 02:38:42
Local clock offset: -4.035 ms
Remote clock offset: -13.582 ms

Below is generated by plot.py at 2018-02-20 05:21:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: -5.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: -5.803 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-20 03:01:00

End at: 2018-02-20 03:01:30

Local clock offset: -5.911 ms

Remote clock offset: 0.893 ms

Below is generated by plot.py at 2018-02-20 05:21:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.61 Mbit/s

95th percentile per-packet one-way delay: -3.422 ms

Loss rate: 0.00%

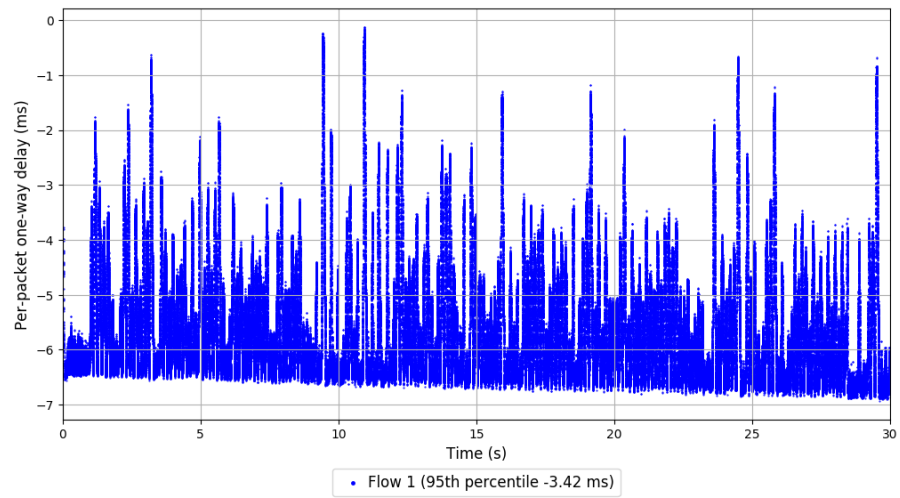
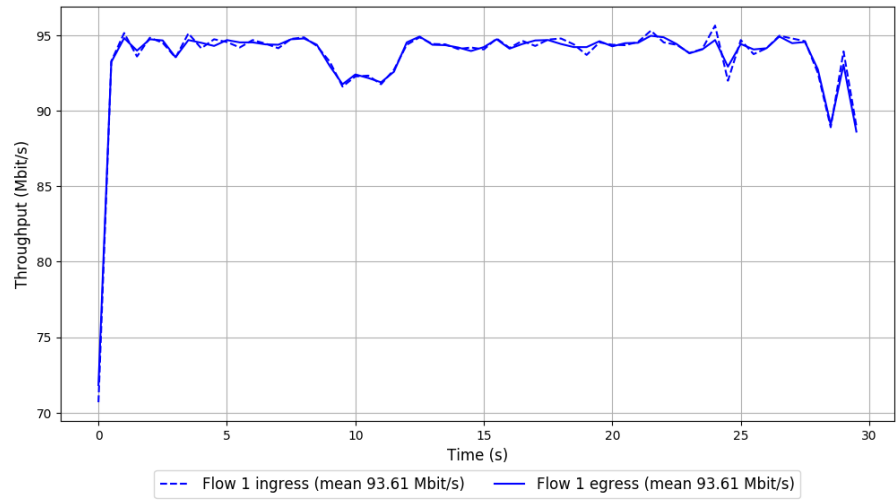
-- Flow 1:

Average throughput: 93.61 Mbit/s

95th percentile per-packet one-way delay: -3.422 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-20 03:23:53

End at: 2018-02-20 03:24:23

Local clock offset: -7.848 ms

Remote clock offset: 11.9 ms

Below is generated by plot.py at 2018-02-20 05:21:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: -0.158 ms

Loss rate: 0.00%

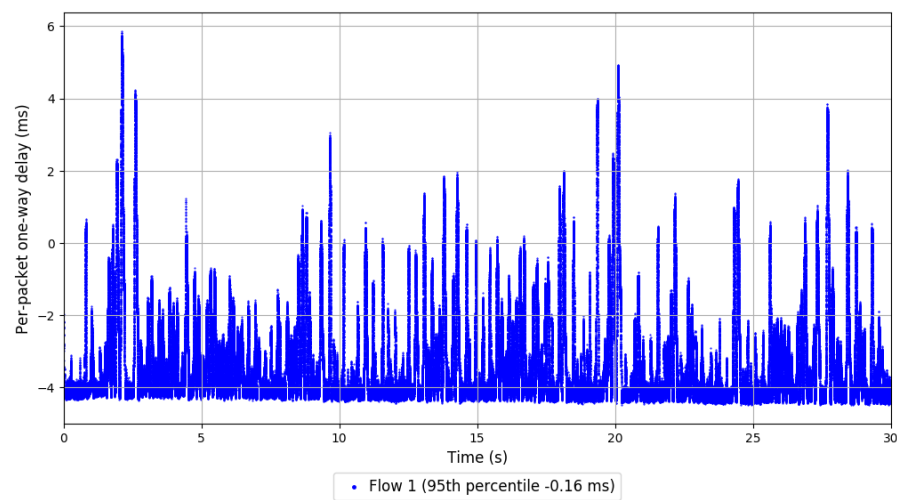
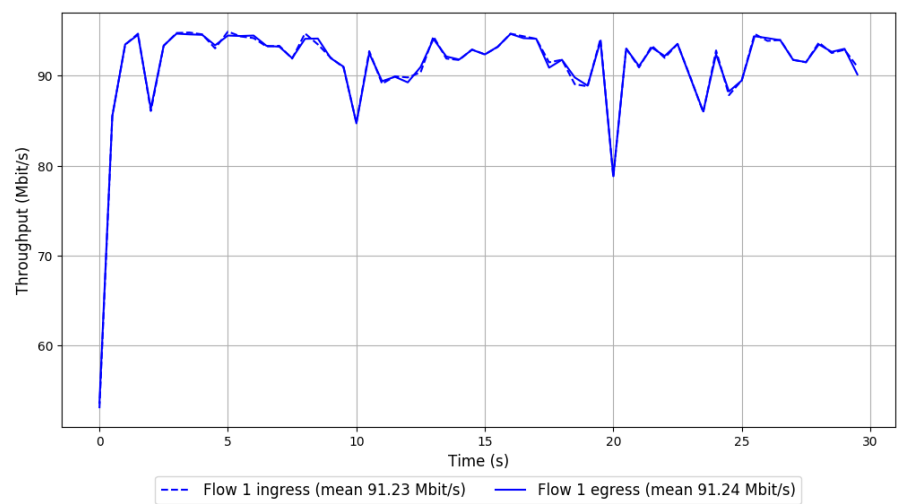
-- Flow 1:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: -0.158 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

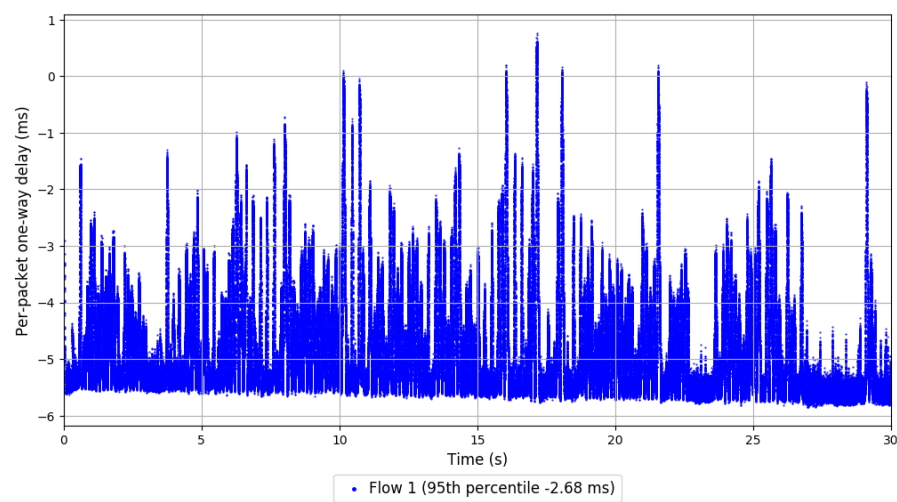
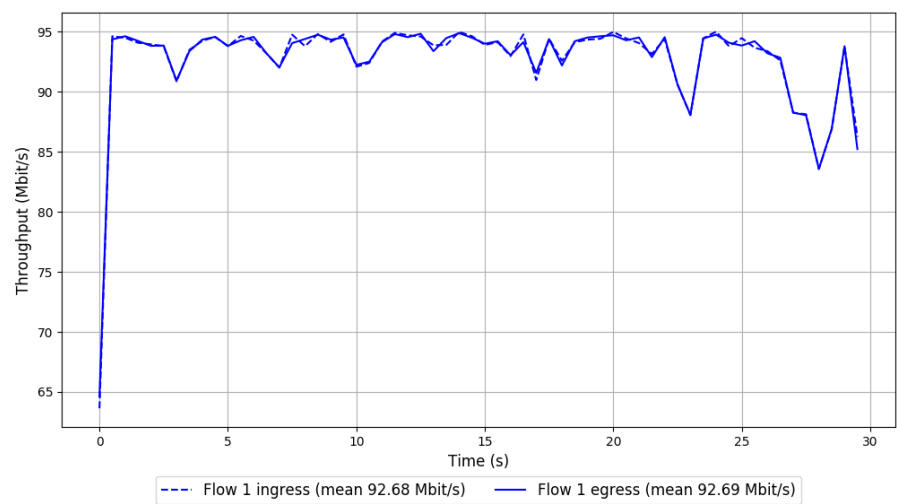


Run 9: Statistics of Copa

Start at: 2018-02-20 03:46:55
End at: 2018-02-20 03:47:25
Local clock offset: -14.8 ms
Remote clock offset: 18.467 ms

Below is generated by plot.py at 2018-02-20 05:22:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: -2.678 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: -2.678 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

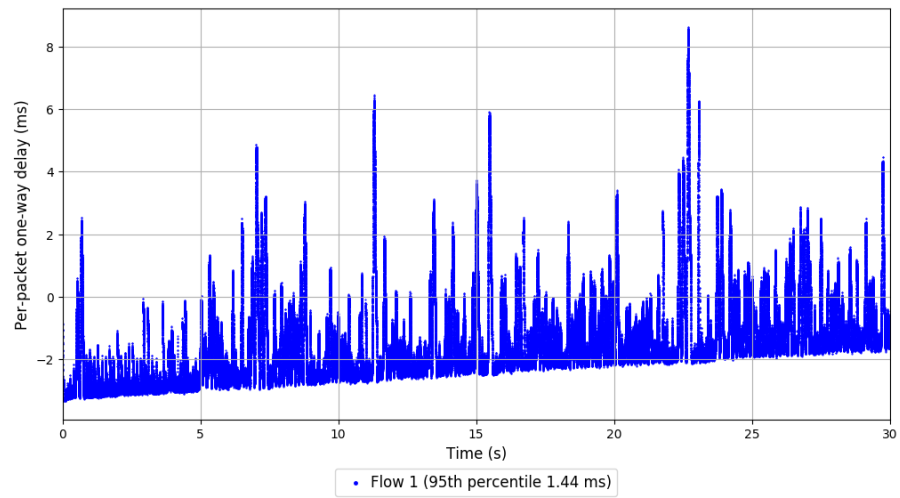
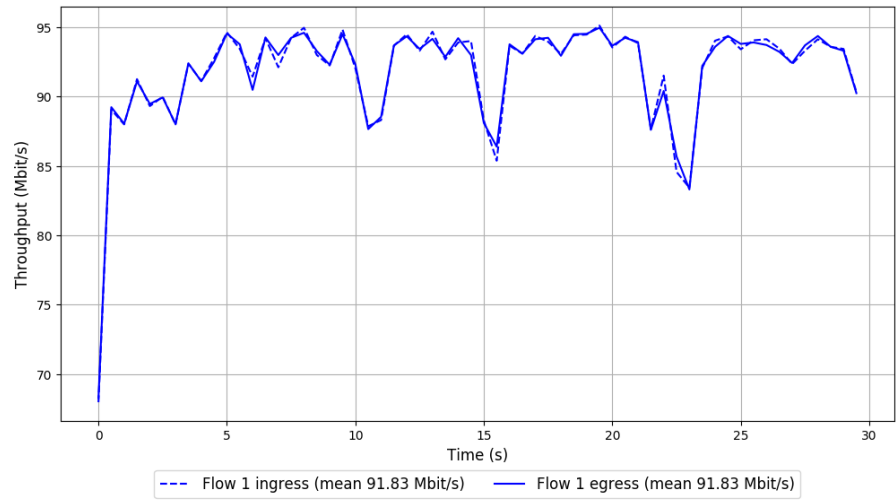


Run 10: Statistics of Copa

Start at: 2018-02-20 04:09:37
End at: 2018-02-20 04:10:07
Local clock offset: -10.936 ms
Remote clock offset: -12.906 ms

Below is generated by plot.py at 2018-02-20 05:22:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 1.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 1.443 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

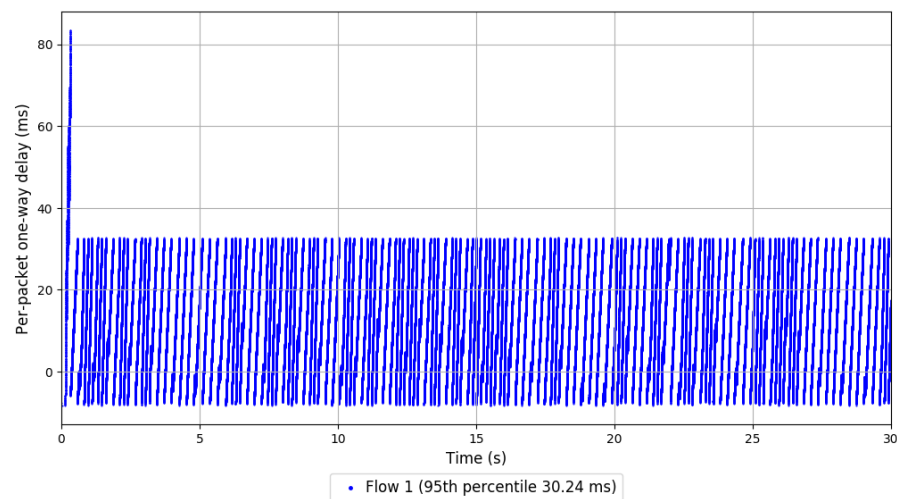
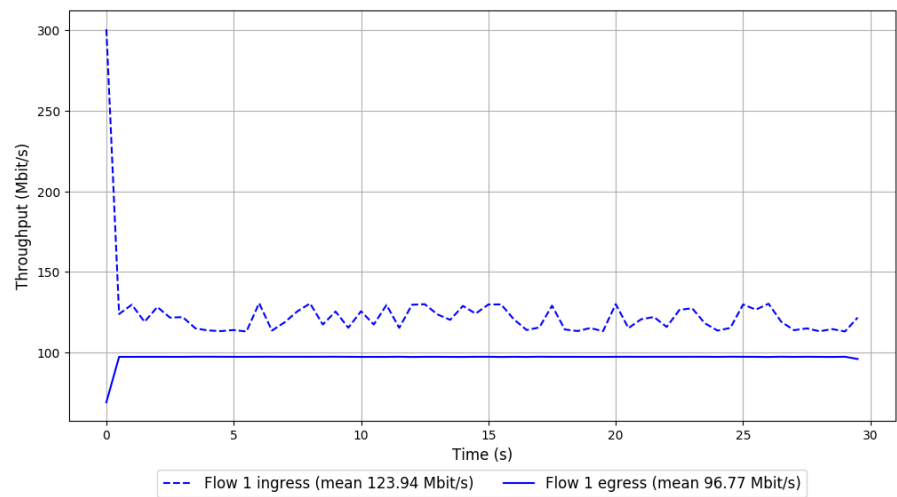


Run 1: Statistics of FillP

Start at: 2018-02-20 00:54:22
End at: 2018-02-20 00:54:52
Local clock offset: -4.353 ms
Remote clock offset: -15.771 ms

Below is generated by plot.py at 2018-02-20 05:22:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 30.244 ms
Loss rate: 21.85%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 30.244 ms
Loss rate: 21.85%

Run 1: Report of FillP — Data Link

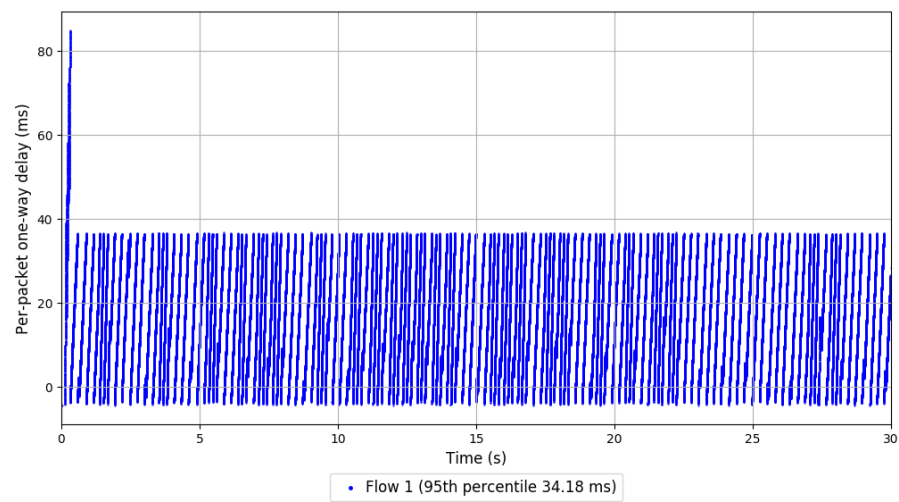
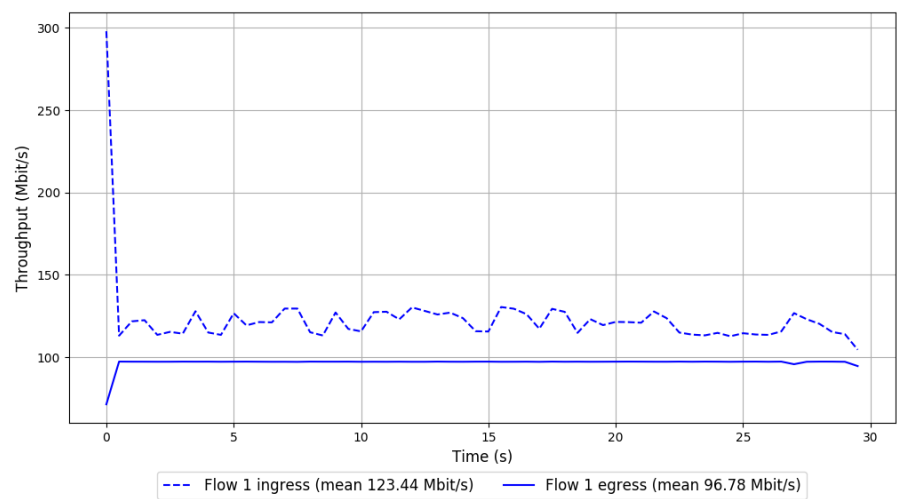


Run 2: Statistics of FillP

Start at: 2018-02-20 01:16:18
End at: 2018-02-20 01:16:48
Local clock offset: -7.899 ms
Remote clock offset: -15.134 ms

Below is generated by plot.py at 2018-02-20 05:22:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 34.180 ms
Loss rate: 21.52%
-- Flow 1:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 34.180 ms
Loss rate: 21.52%

Run 2: Report of FillP — Data Link

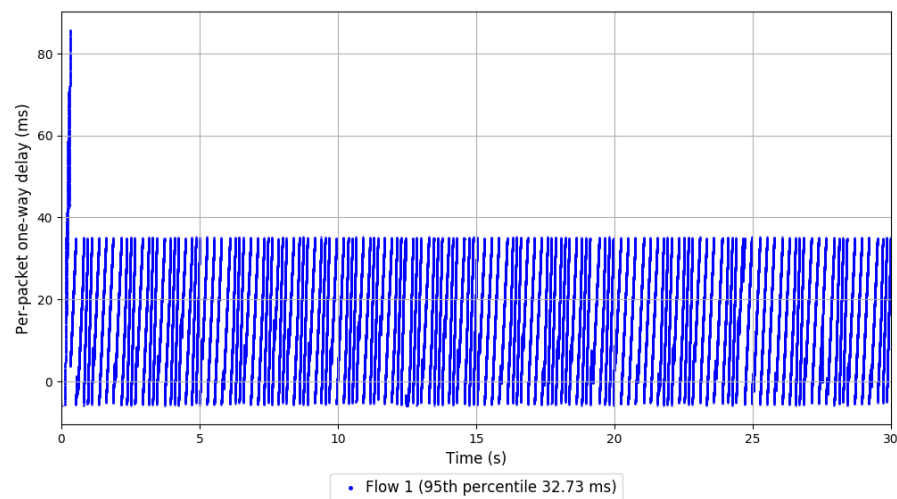
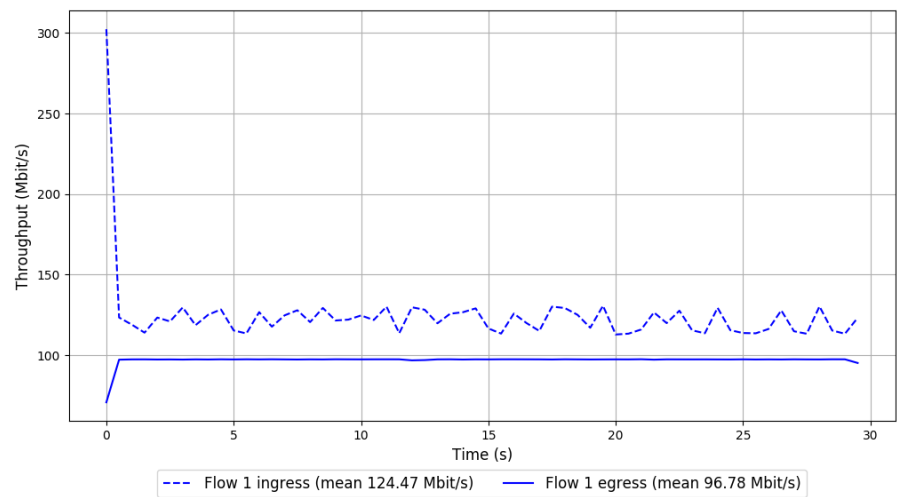


Run 3: Statistics of FillP

Start at: 2018-02-20 01:38:26
End at: 2018-02-20 01:38:56
Local clock offset: -9.933 ms
Remote clock offset: -17.463 ms

Below is generated by plot.py at 2018-02-20 05:22:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 32.727 ms
Loss rate: 22.19%
-- Flow 1:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 32.727 ms
Loss rate: 22.19%

Run 3: Report of FillP — Data Link

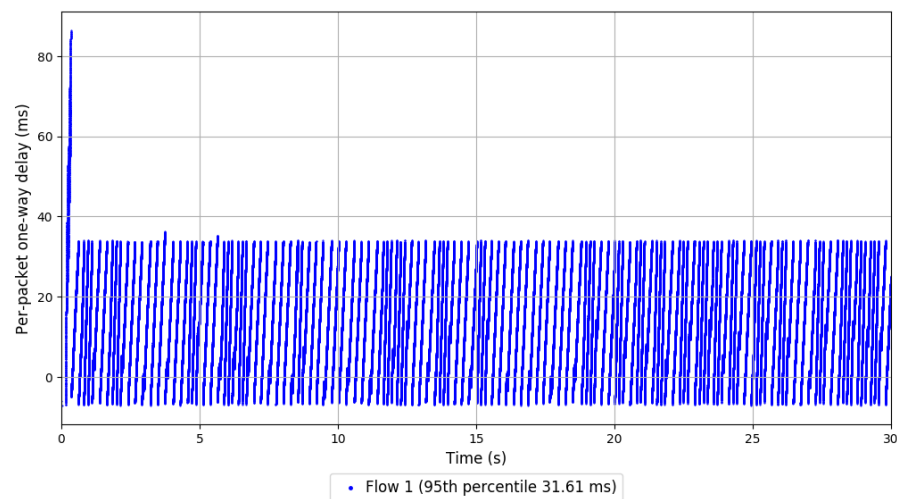
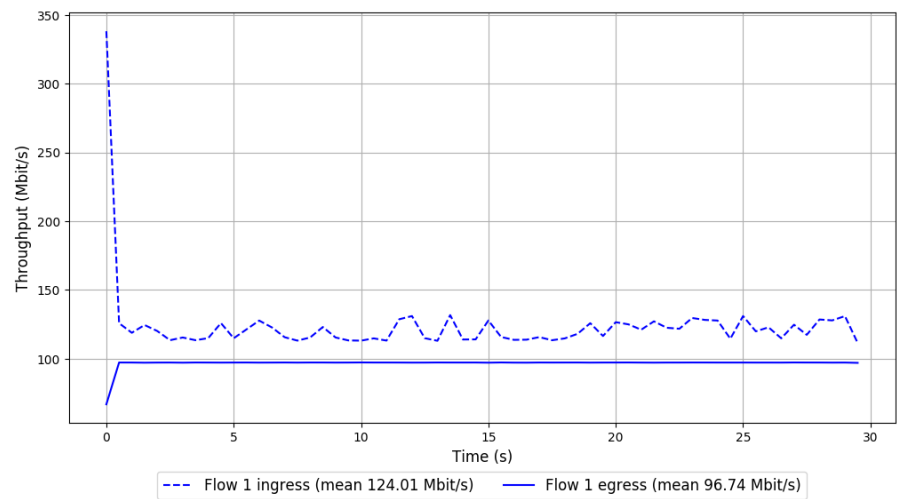


Run 4: Statistics of FillP

Start at: 2018-02-20 02:00:55
End at: 2018-02-20 02:01:25
Local clock offset: -5.462 ms
Remote clock offset: -17.919 ms

Below is generated by plot.py at 2018-02-20 05:22:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 31.613 ms
Loss rate: 21.91%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 31.613 ms
Loss rate: 21.91%

Run 4: Report of FillP — Data Link

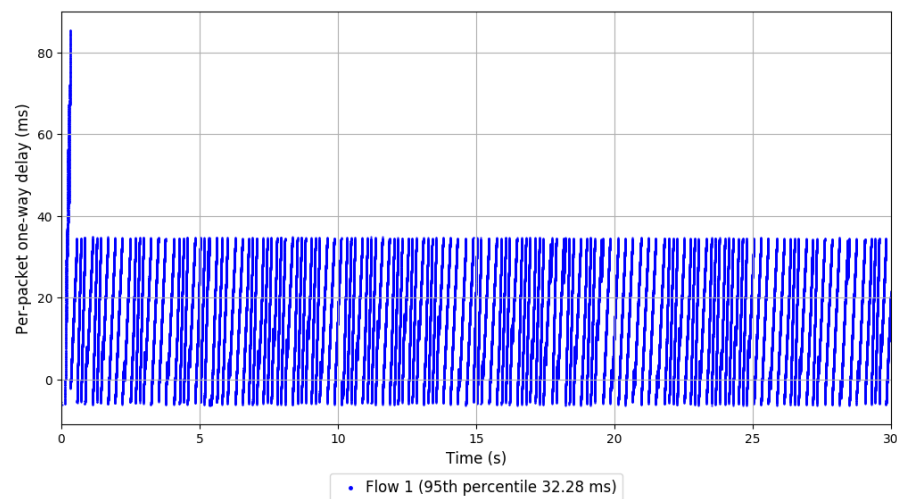
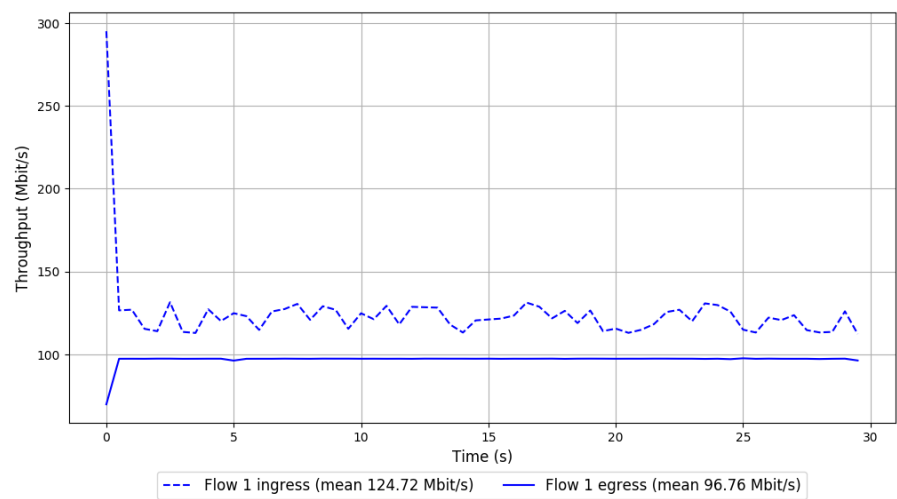


Run 5: Statistics of FillP

Start at: 2018-02-20 02:23:25
End at: 2018-02-20 02:23:55
Local clock offset: -7.196 ms
Remote clock offset: -16.257 ms

Below is generated by plot.py at 2018-02-20 05:22:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 32.278 ms
Loss rate: 22.35%
-- Flow 1:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 32.278 ms
Loss rate: 22.35%

Run 5: Report of FillP — Data Link

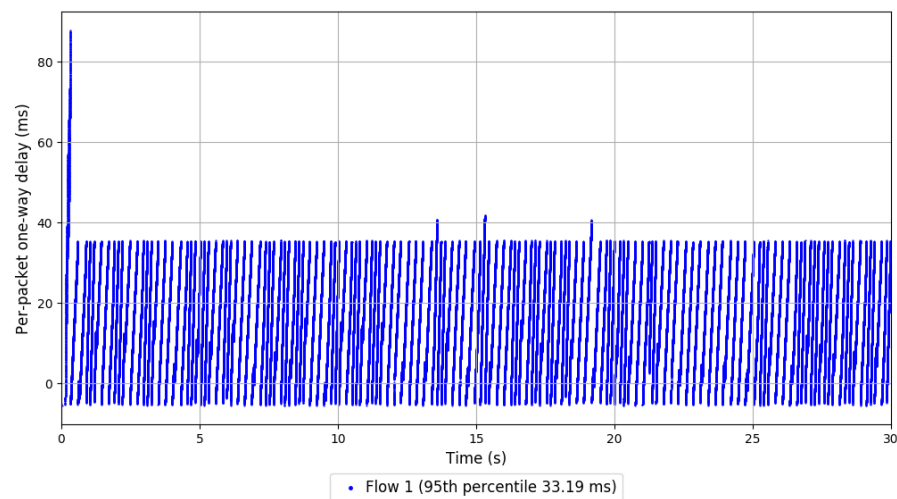
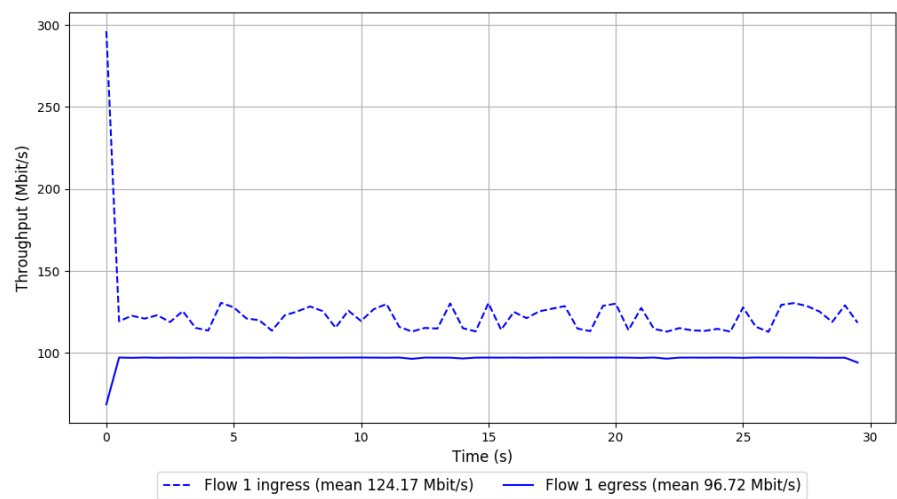


Run 6: Statistics of FillP

Start at: 2018-02-20 02:45:55
End at: 2018-02-20 02:46:25
Local clock offset: -6.53 ms
Remote clock offset: -11.57 ms

Below is generated by plot.py at 2018-02-20 05:22:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 33.187 ms
Loss rate: 22.06%
-- Flow 1:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 33.187 ms
Loss rate: 22.06%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-20 03:08:37

End at: 2018-02-20 03:09:07

Local clock offset: -6.739 ms

Remote clock offset: 5.204 ms

Below is generated by plot.py at 2018-02-20 05:24:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.76 Mbit/s

95th percentile per-packet one-way delay: 32.364 ms

Loss rate: 21.26%

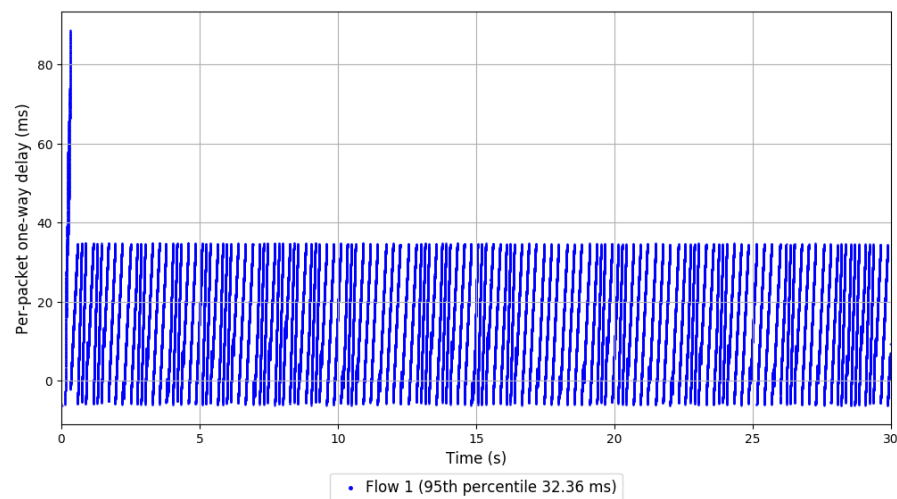
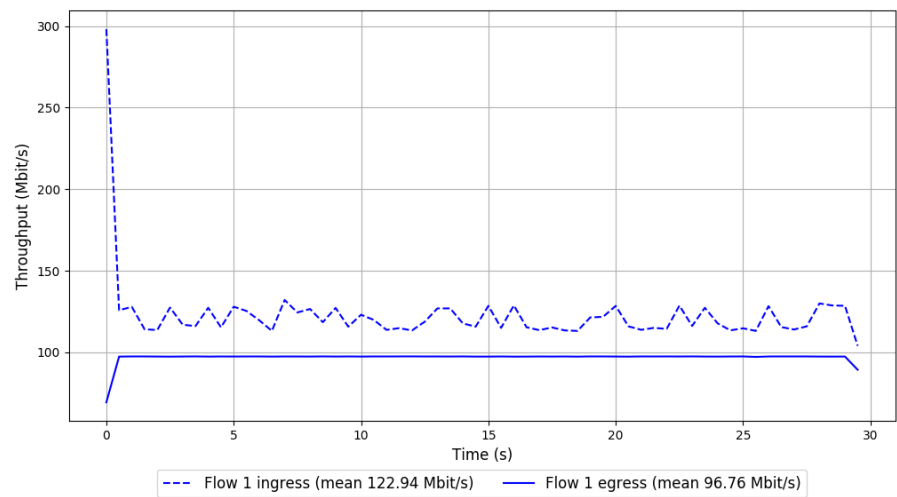
-- Flow 1:

Average throughput: 96.76 Mbit/s

95th percentile per-packet one-way delay: 32.364 ms

Loss rate: 21.26%

Run 7: Report of FillP — Data Link

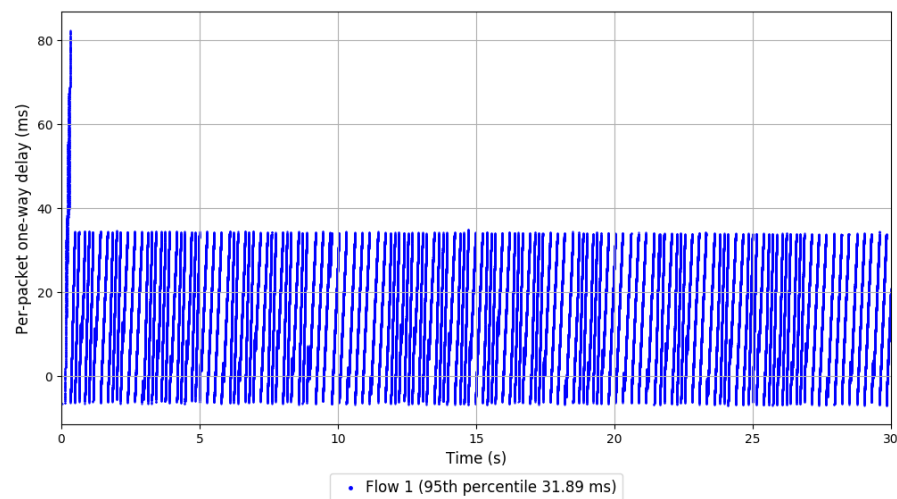
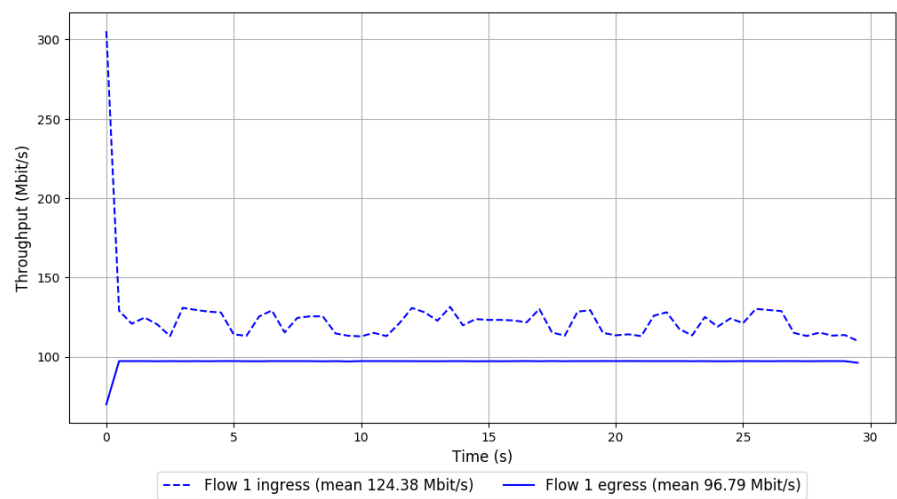


Run 8: Statistics of FillP

Start at: 2018-02-20 03:31:35
End at: 2018-02-20 03:32:05
Local clock offset: -7.227 ms
Remote clock offset: 13.169 ms

Below is generated by plot.py at 2018-02-20 05:24:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 31.893 ms
Loss rate: 22.12%
-- Flow 1:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 31.893 ms
Loss rate: 22.12%

Run 8: Report of FillP — Data Link

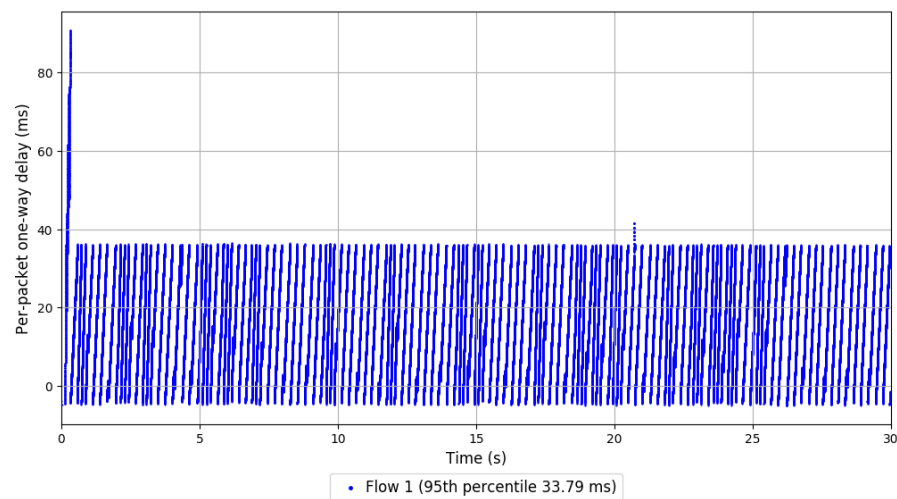
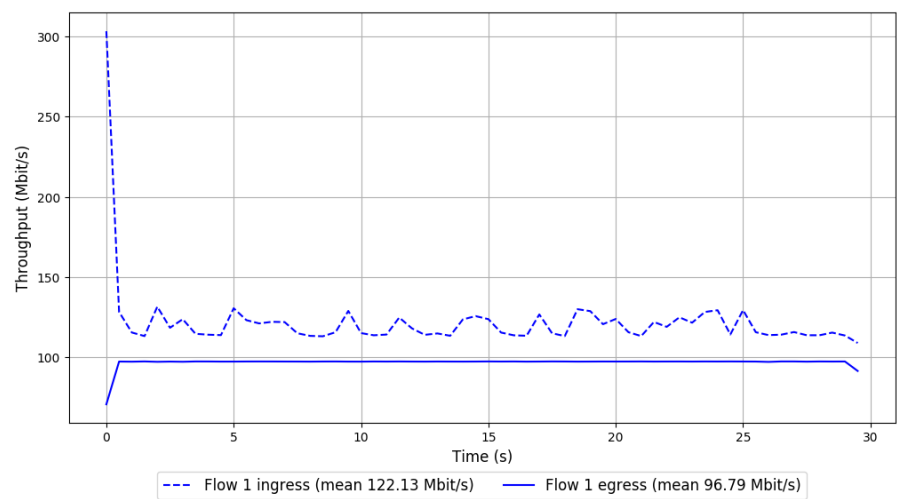


Run 9: Statistics of FillP

Start at: 2018-02-20 03:54:38
End at: 2018-02-20 03:55:08
Local clock offset: -15.998 ms
Remote clock offset: 21.778 ms

Below is generated by plot.py at 2018-02-20 05:24:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 33.789 ms
Loss rate: 20.75%
-- Flow 1:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 33.789 ms
Loss rate: 20.75%

Run 9: Report of FillP — Data Link

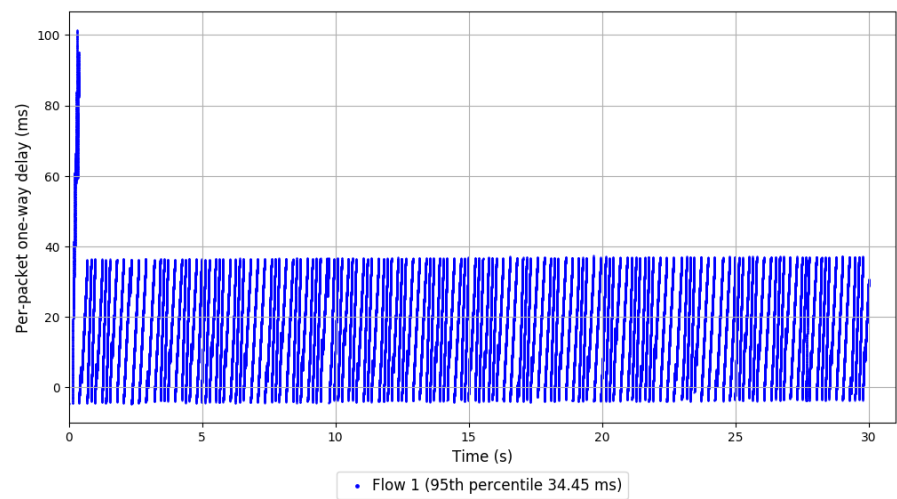
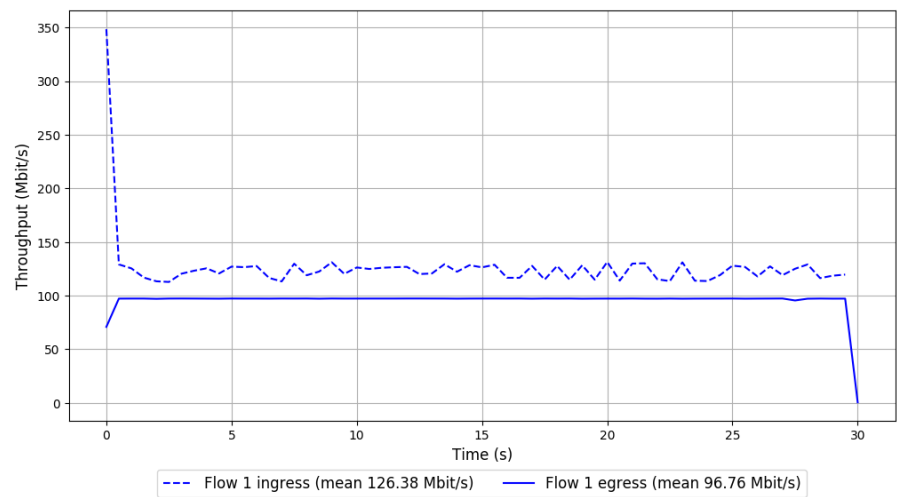


Run 10: Statistics of FillP

Start at: 2018-02-20 04:17:27
End at: 2018-02-20 04:17:57
Local clock offset: -2.078 ms
Remote clock offset: -23.971 ms

Below is generated by plot.py at 2018-02-20 05:24:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 34.453 ms
Loss rate: 23.35%
-- Flow 1:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 34.453 ms
Loss rate: 23.35%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-02-20 00:48:19

End at: 2018-02-20 00:48:49

Local clock offset: -4.775 ms

Remote clock offset: -13.973 ms

Below is generated by plot.py at 2018-02-20 05:24:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: -4.236 ms

Loss rate: 0.00%

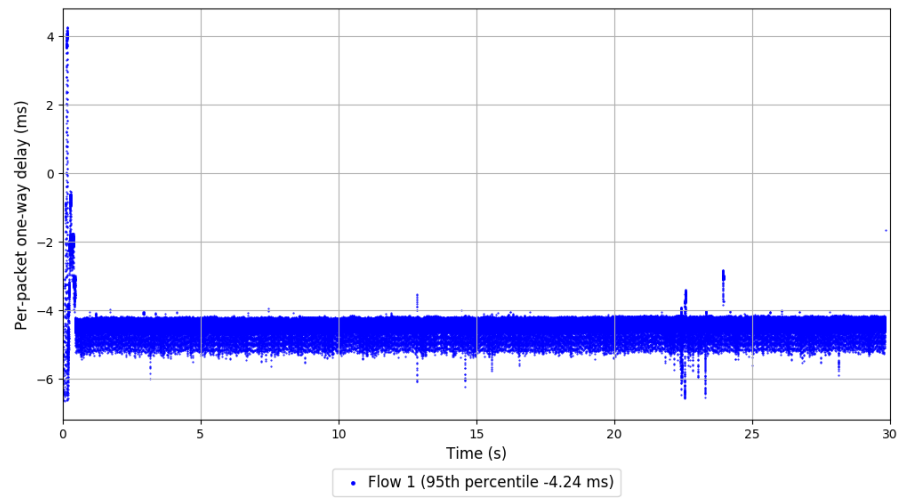
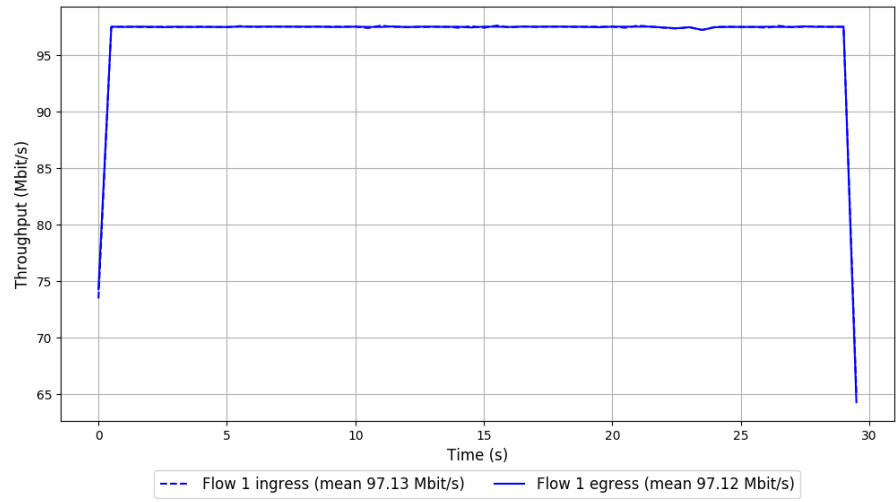
-- Flow 1:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: -4.236 ms

Loss rate: 0.00%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-20 01:10:09

End at: 2018-02-20 01:10:39

Local clock offset: -7.956 ms

Remote clock offset: -15.822 ms

Below is generated by plot.py at 2018-02-20 05:24:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: -1.914 ms

Loss rate: 0.00%

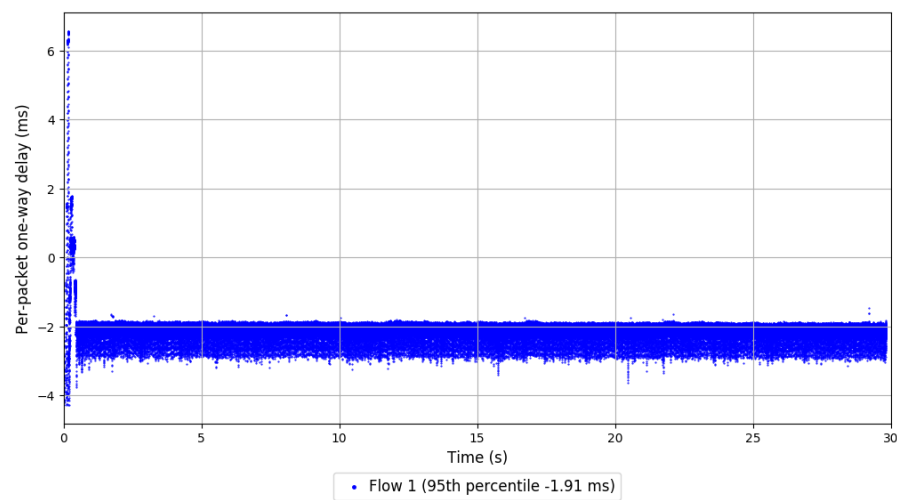
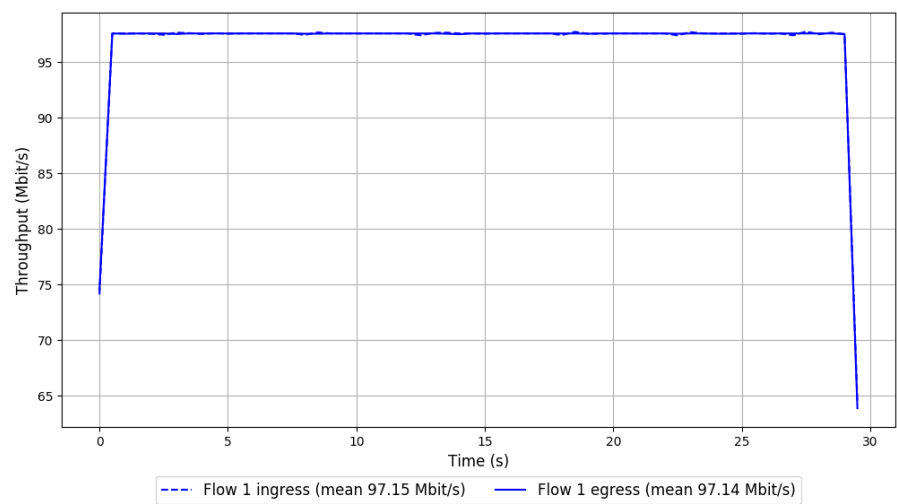
-- Flow 1:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: -1.914 ms

Loss rate: 0.00%

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

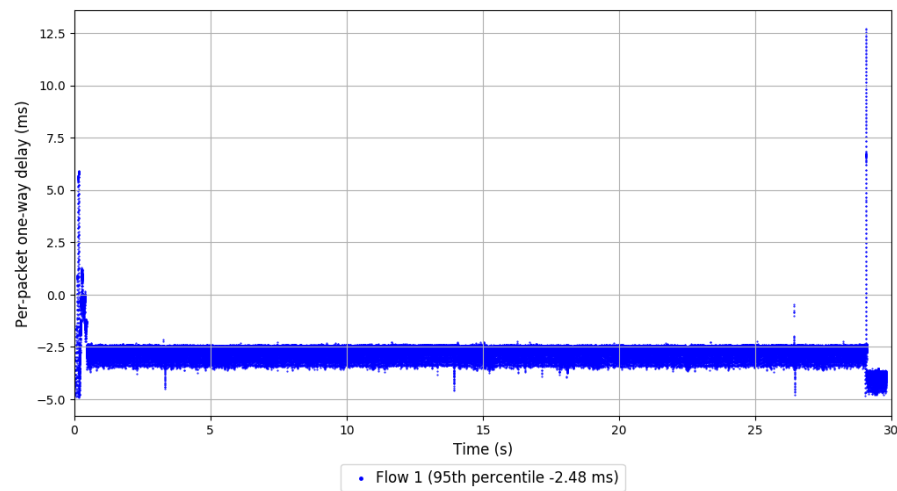
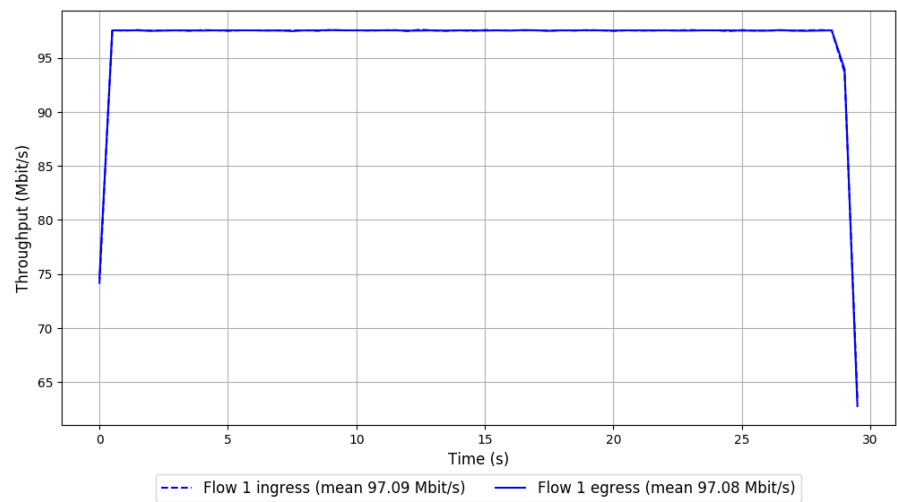


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-20 01:32:20
End at: 2018-02-20 01:32:50
Local clock offset: -9.581 ms
Remote clock offset: -16.18 ms

Below is generated by plot.py at 2018-02-20 05:24:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: -2.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: -2.475 ms
Loss rate: 0.00%

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

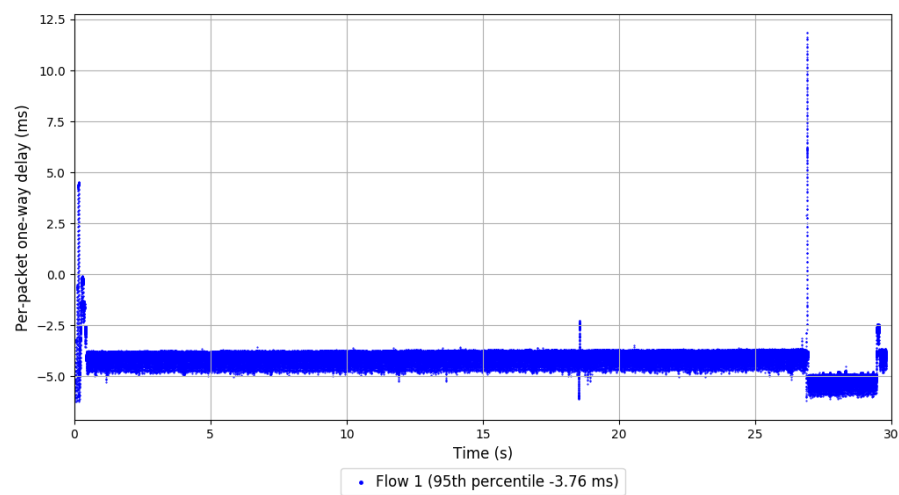
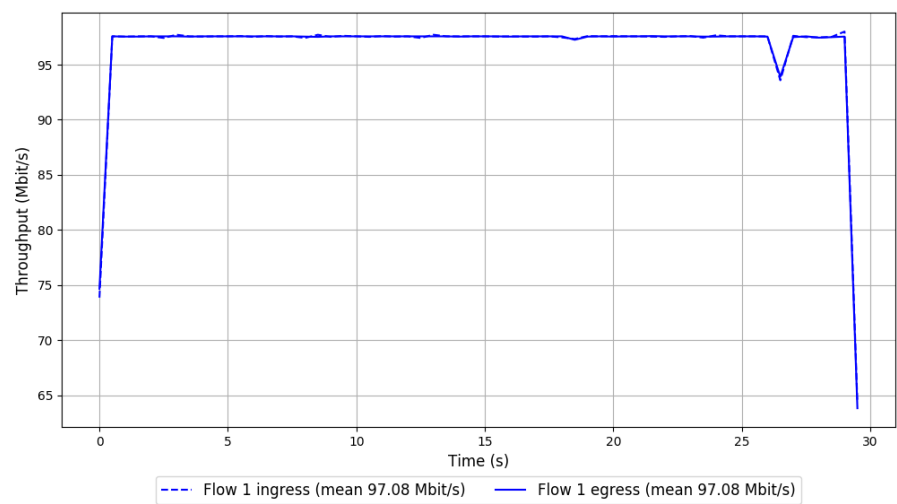


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-20 01:54:50
End at: 2018-02-20 01:55:20
Local clock offset: -7.738 ms
Remote clock offset: -18.309 ms

Below is generated by plot.py at 2018-02-20 05:24:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: -3.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: -3.763 ms
Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-20 02:17:12

End at: 2018-02-20 02:17:42

Local clock offset: -8.577 ms

Remote clock offset: -19.908 ms

Below is generated by plot.py at 2018-02-20 05:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: -3.000 ms

Loss rate: 0.00%

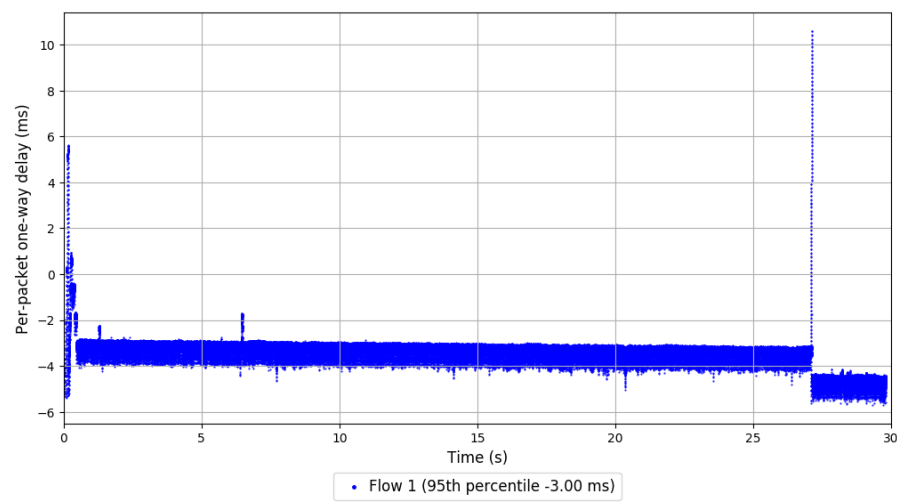
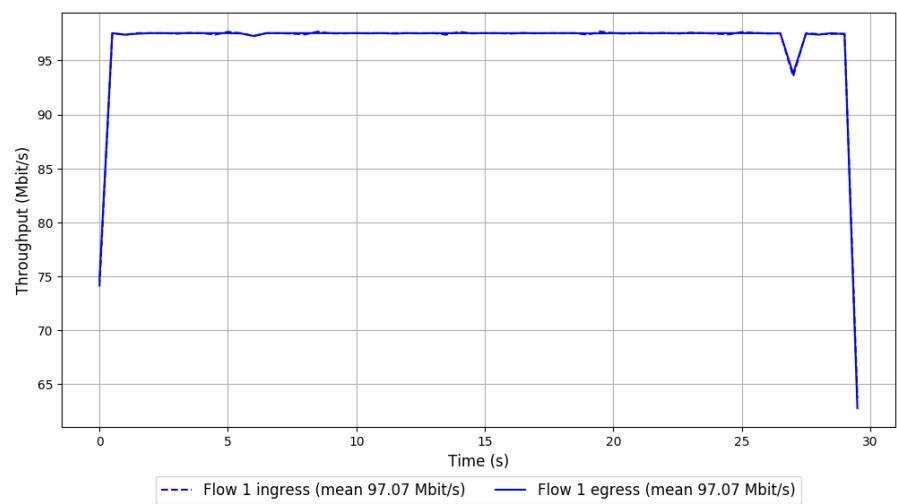
-- Flow 1:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: -3.000 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-20 02:39:33

End at: 2018-02-20 02:40:03

Local clock offset: -3.971 ms

Remote clock offset: -11.655 ms

Below is generated by plot.py at 2018-02-20 05:25:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: -5.270 ms

Loss rate: 0.00%

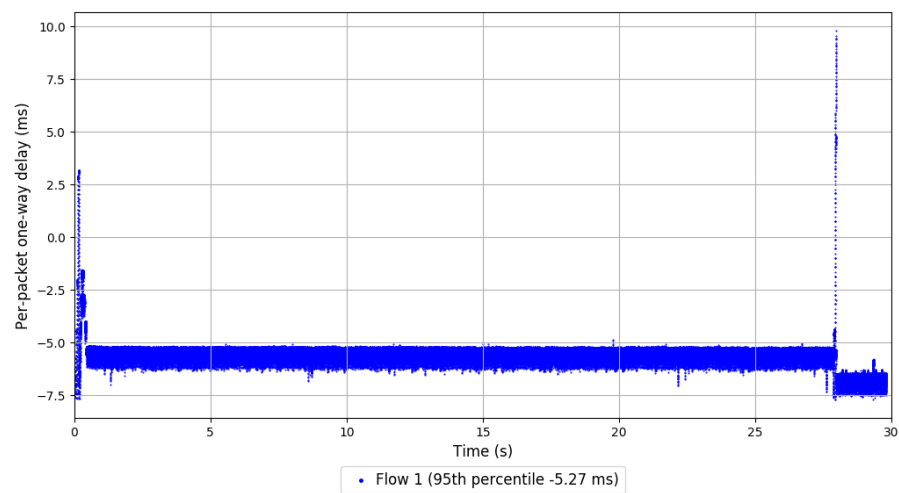
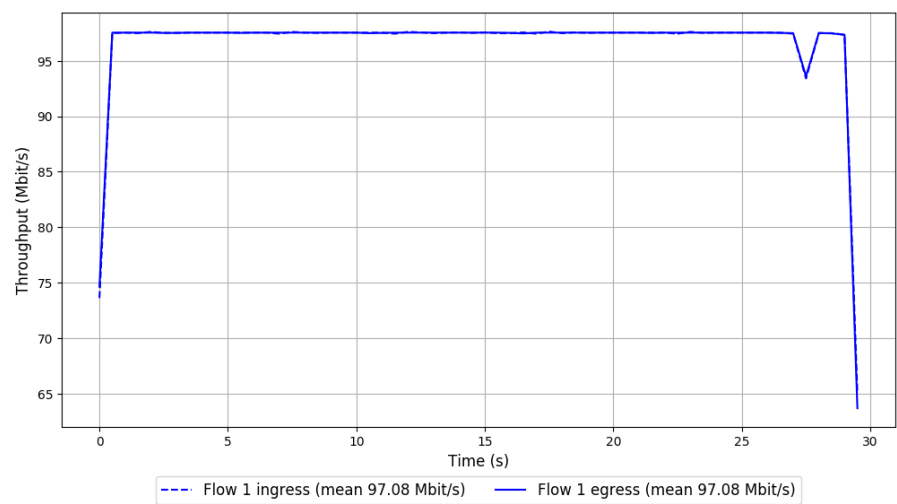
-- Flow 1:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: -5.270 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-20 03:02:21

End at: 2018-02-20 03:02:51

Local clock offset: -3.974 ms

Remote clock offset: 2.041 ms

Below is generated by plot.py at 2018-02-20 05:25:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: -5.946 ms

Loss rate: 0.00%

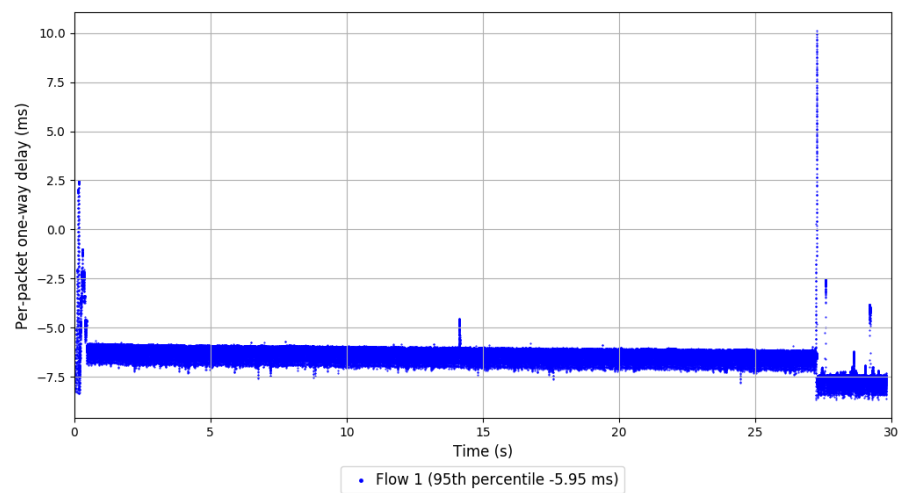
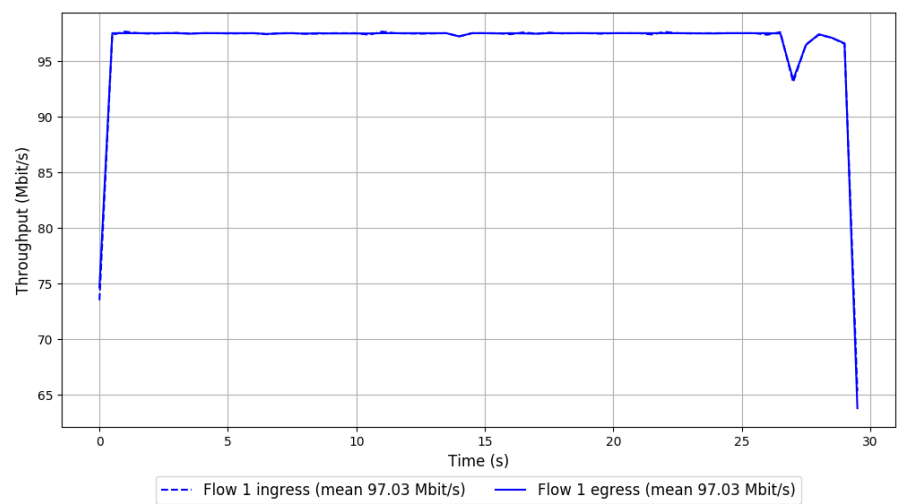
-- Flow 1:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: -5.946 ms

Loss rate: 0.00%

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

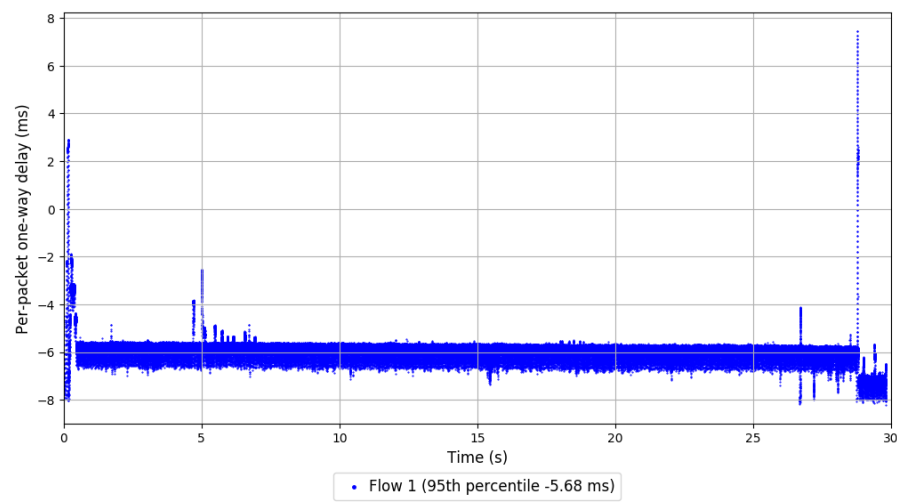
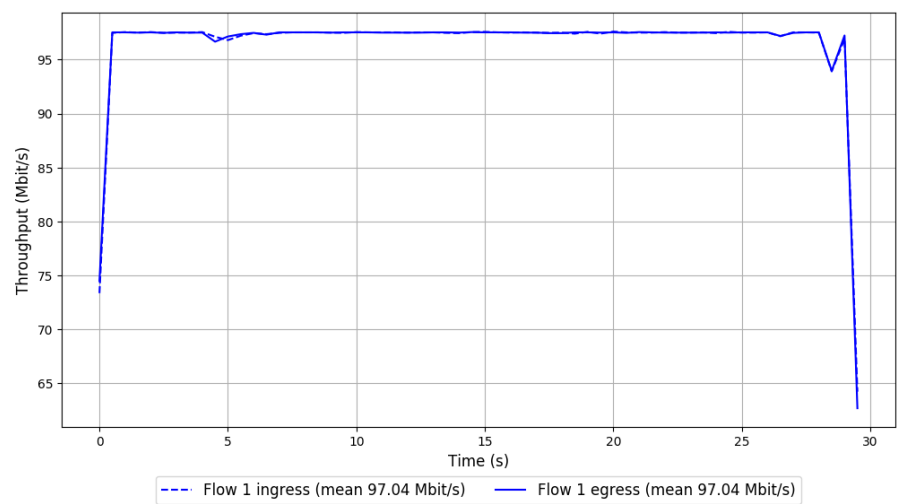


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-20 03:25:17
End at: 2018-02-20 03:25:47
Local clock offset: -5.639 ms
Remote clock offset: 10.895 ms

Below is generated by plot.py at 2018-02-20 05:25:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: -5.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: -5.680 ms
Loss rate: 0.00%

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

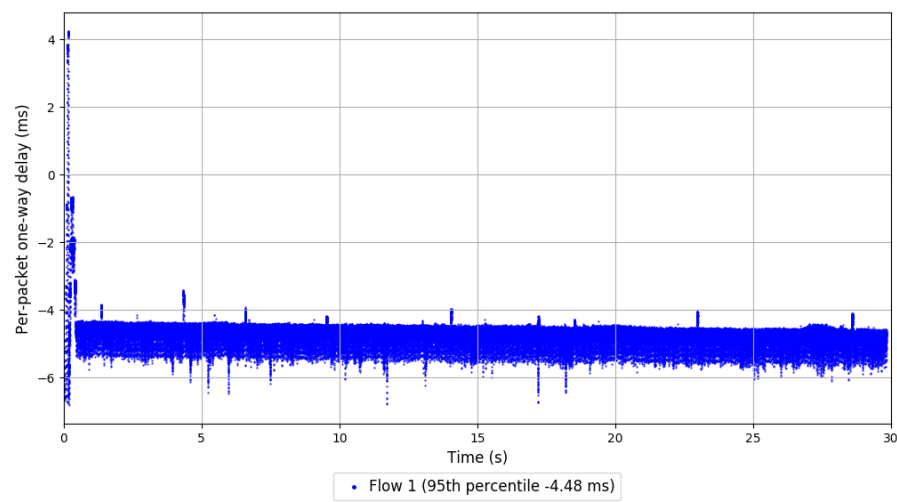
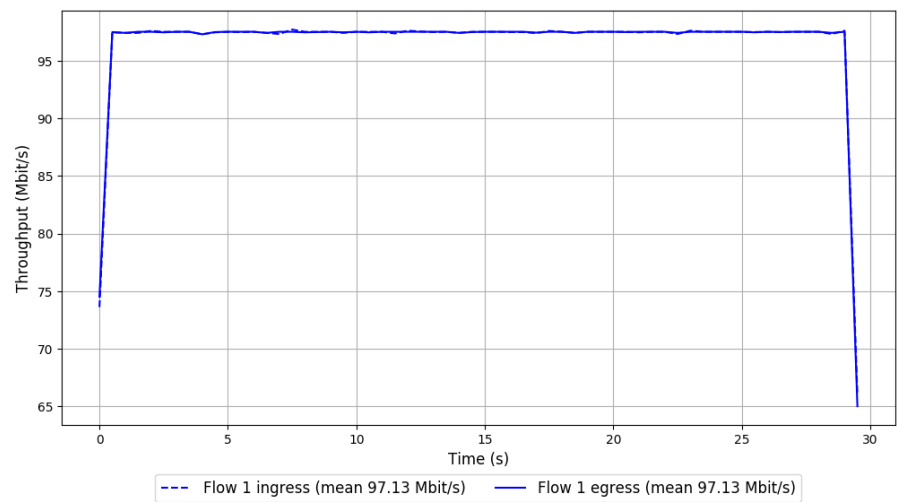


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-20 03:48:22
End at: 2018-02-20 03:48:52
Local clock offset: -14.518 ms
Remote clock offset: 18.281 ms

Below is generated by plot.py at 2018-02-20 05:25:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: -4.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: -4.477 ms
Loss rate: 0.00%

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

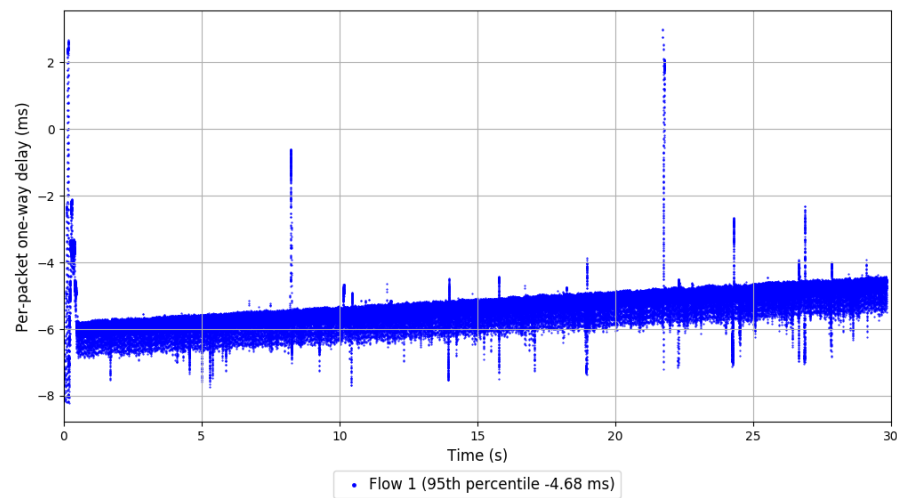
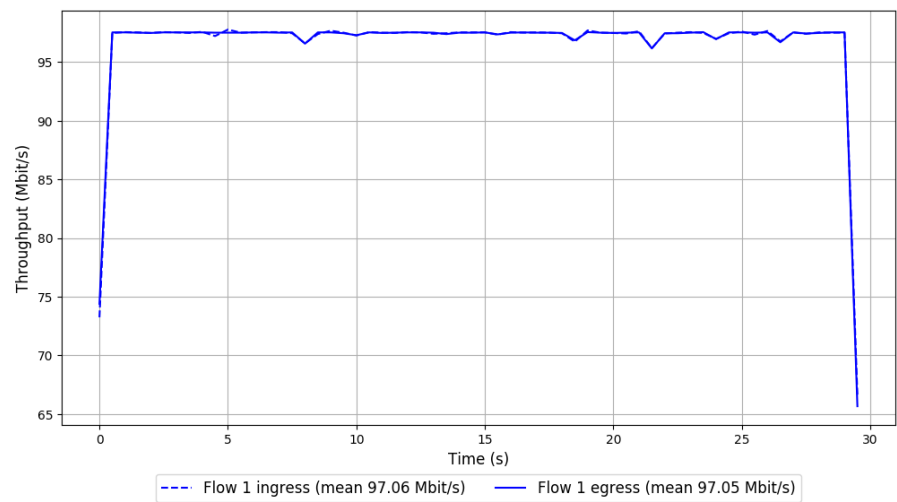


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-20 04:11:04
End at: 2018-02-20 04:11:35
Local clock offset: -5.663 ms
Remote clock offset: -17.019 ms

Below is generated by plot.py at 2018-02-20 05:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: -4.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: -4.680 ms
Loss rate: 0.00%

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

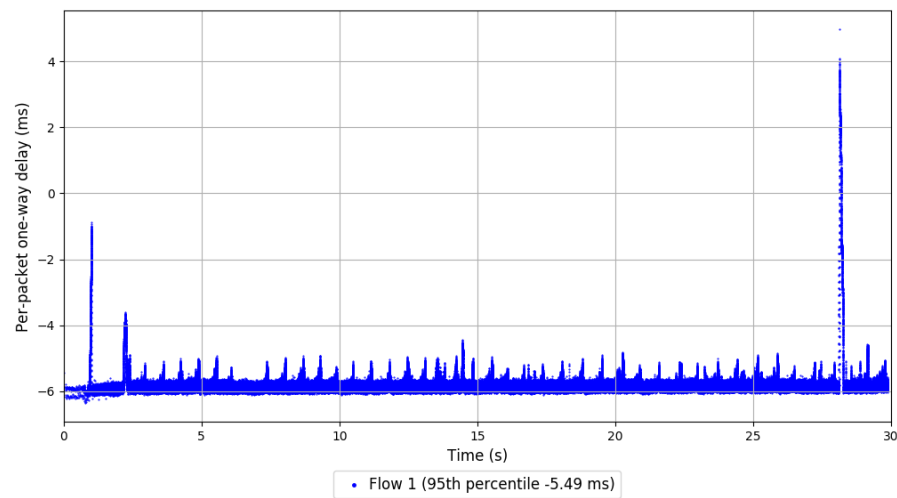
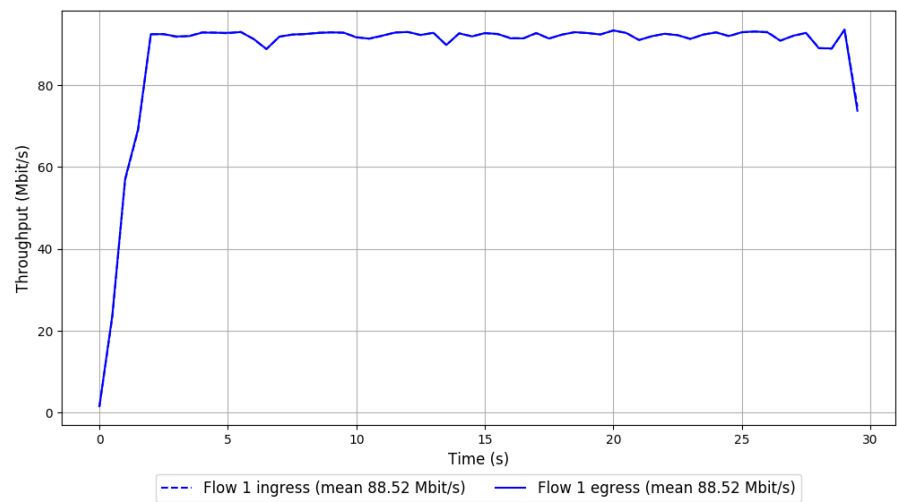


Run 1: Statistics of Vivace-latency

Start at: 2018-02-20 00:55:32
End at: 2018-02-20 00:56:02
Local clock offset: -7.552 ms
Remote clock offset: -16.729 ms

Below is generated by plot.py at 2018-02-20 05:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: -5.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: -5.489 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

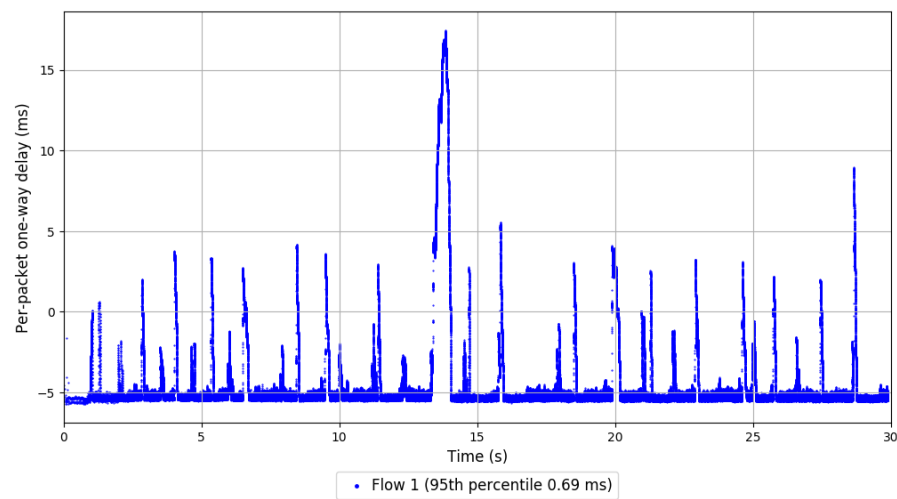
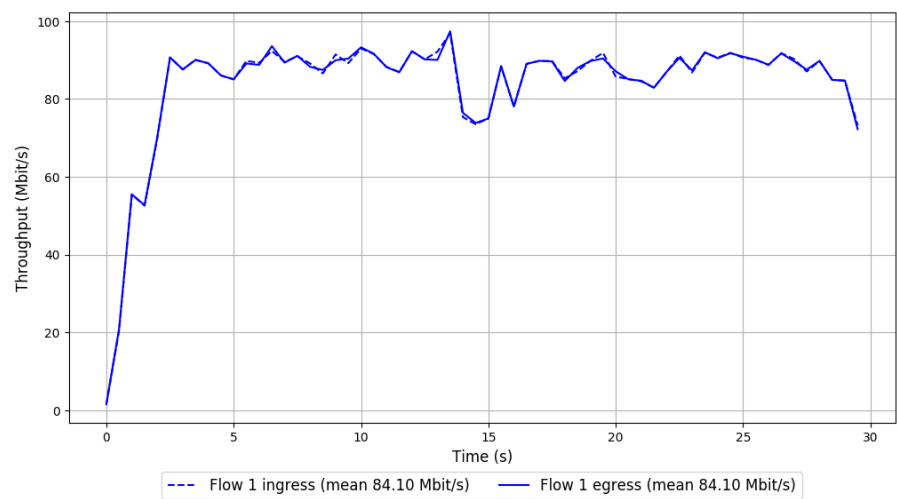


Run 2: Statistics of Vivace-latency

Start at: 2018-02-20 01:17:31
End at: 2018-02-20 01:18:01
Local clock offset: -7.939 ms
Remote clock offset: -16.113 ms

Below is generated by plot.py at 2018-02-20 05:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 0.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 0.689 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

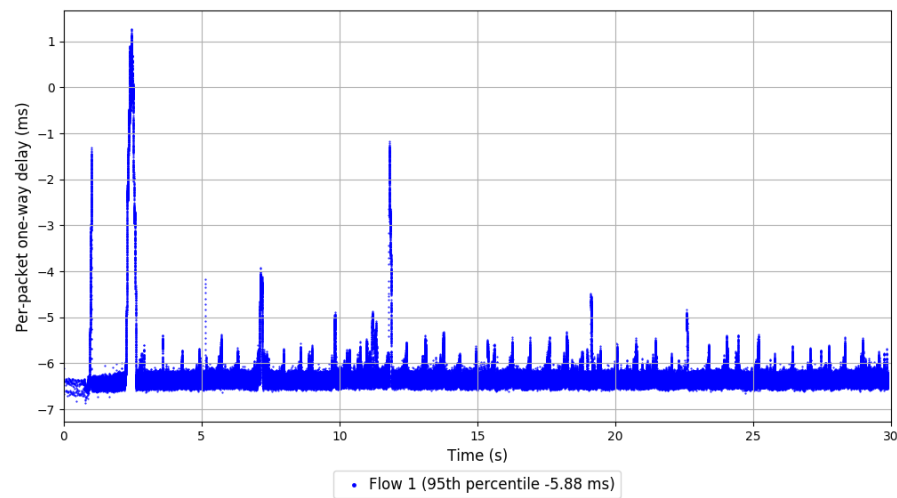
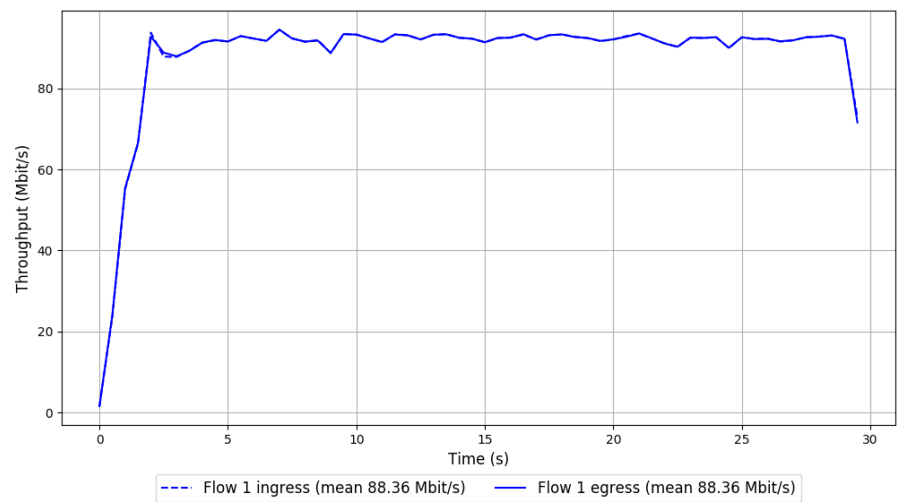


Run 3: Statistics of Vivace-latency

Start at: 2018-02-20 01:39:39
End at: 2018-02-20 01:40:09
Local clock offset: -8.33 ms
Remote clock offset: -16.613 ms

Below is generated by plot.py at 2018-02-20 05:27:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.36 Mbit/s
95th percentile per-packet one-way delay: -5.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.36 Mbit/s
95th percentile per-packet one-way delay: -5.875 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link

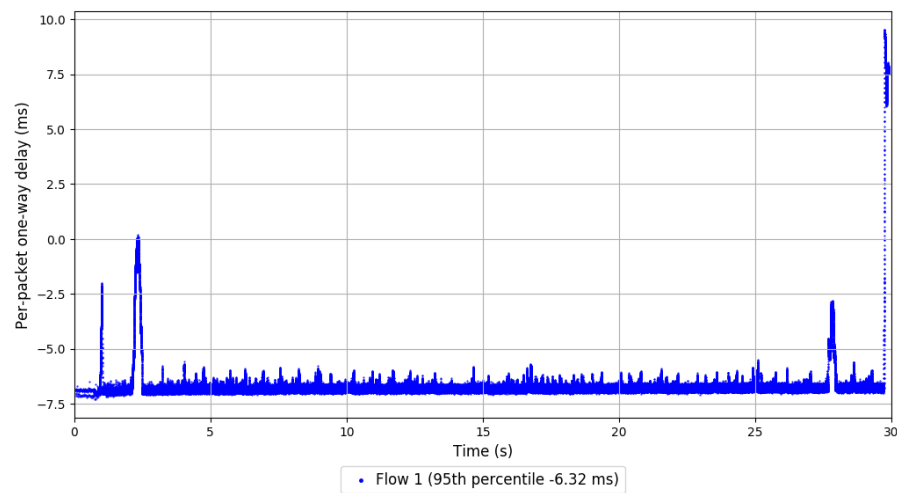
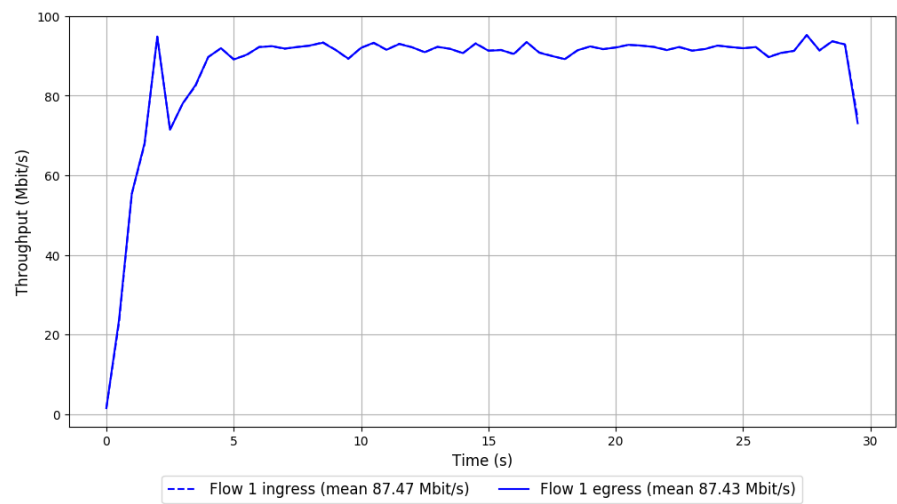


Run 4: Statistics of Vivace-latency

Start at: 2018-02-20 02:02:12
End at: 2018-02-20 02:02:43
Local clock offset: -6.174 ms
Remote clock offset: -18.883 ms

Below is generated by plot.py at 2018-02-20 05:27:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: -6.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: -6.317 ms
Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

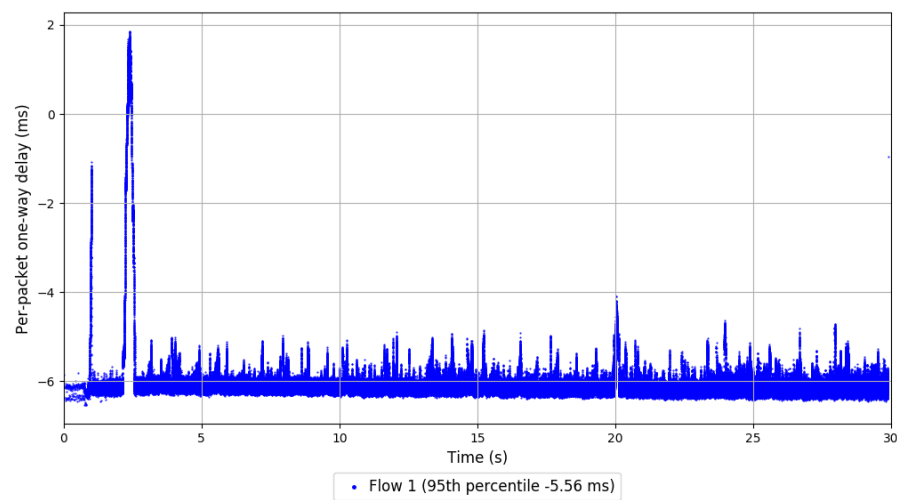
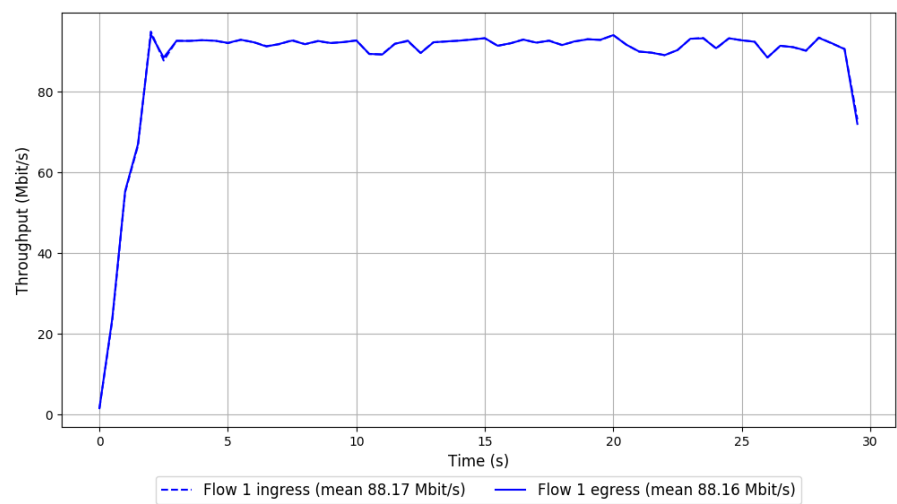


Run 5: Statistics of Vivace-latency

Start at: 2018-02-20 02:24:39
End at: 2018-02-20 02:25:09
Local clock offset: -4.879 ms
Remote clock offset: -13.532 ms

Below is generated by plot.py at 2018-02-20 05:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: -5.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: -5.559 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-20 02:47:07

End at: 2018-02-20 02:47:37

Local clock offset: -3.993 ms

Remote clock offset: -11.5 ms

Below is generated by plot.py at 2018-02-20 05:27:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.75 Mbit/s

95th percentile per-packet one-way delay: -7.283 ms

Loss rate: 0.00%

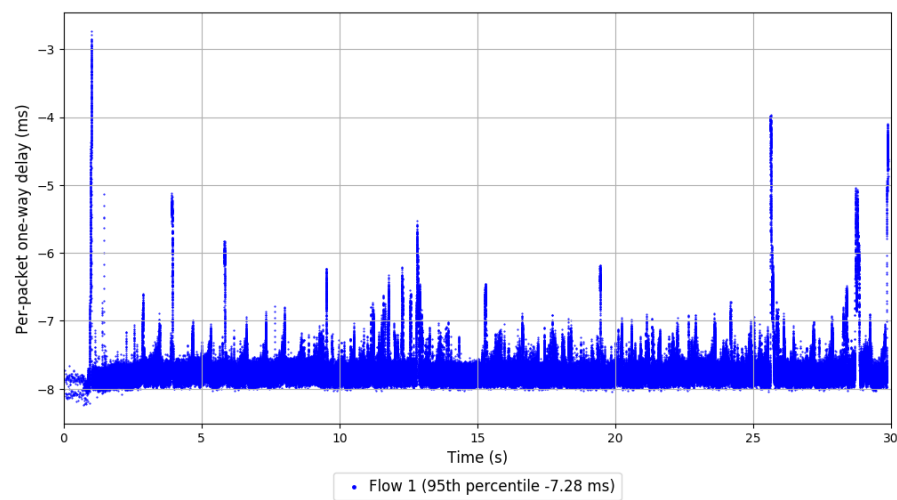
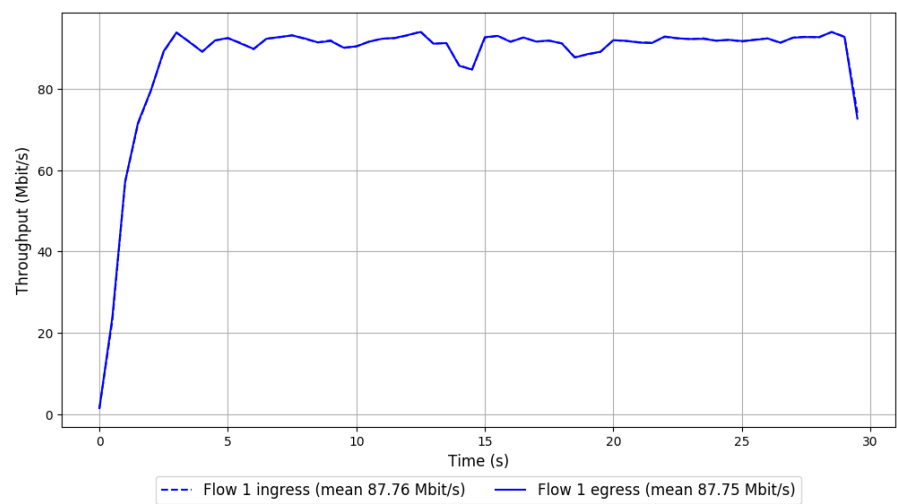
-- Flow 1:

Average throughput: 87.75 Mbit/s

95th percentile per-packet one-way delay: -7.283 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-20 03:09:48

End at: 2018-02-20 03:10:18

Local clock offset: -4.56 ms

Remote clock offset: 6.893 ms

Below is generated by plot.py at 2018-02-20 05:27:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: -6.547 ms

Loss rate: 0.00%

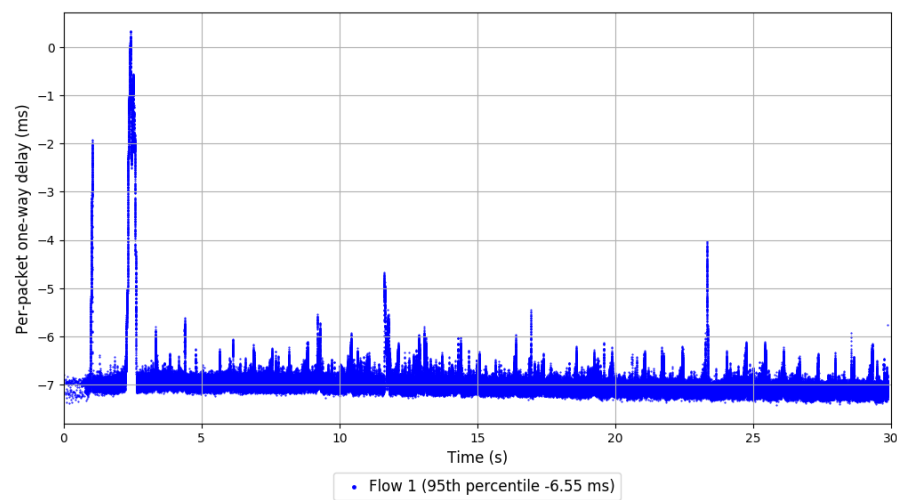
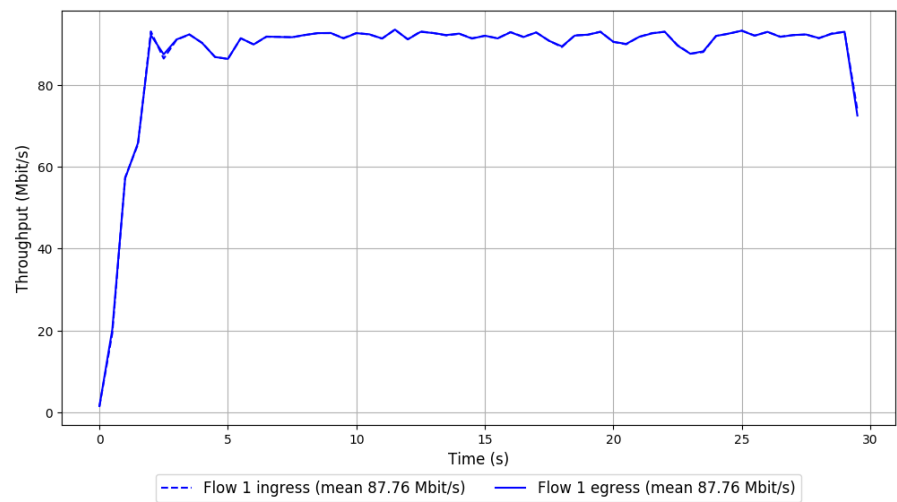
-- Flow 1:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: -6.547 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

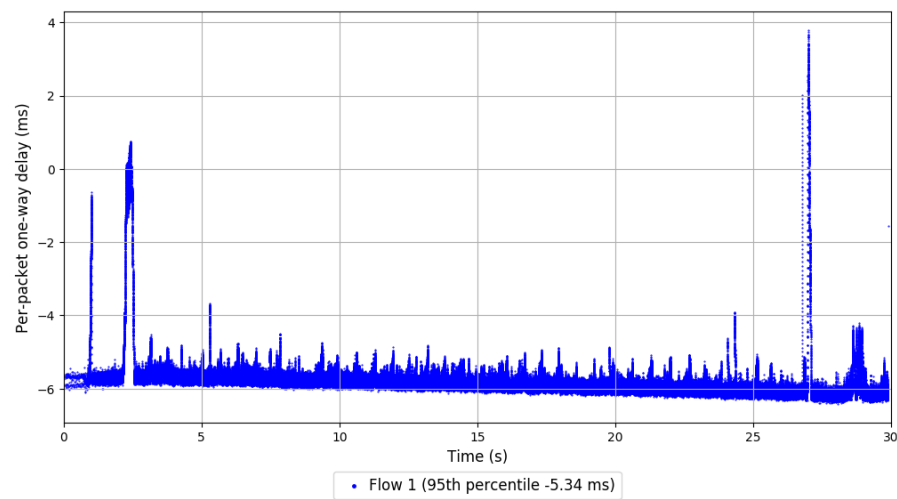
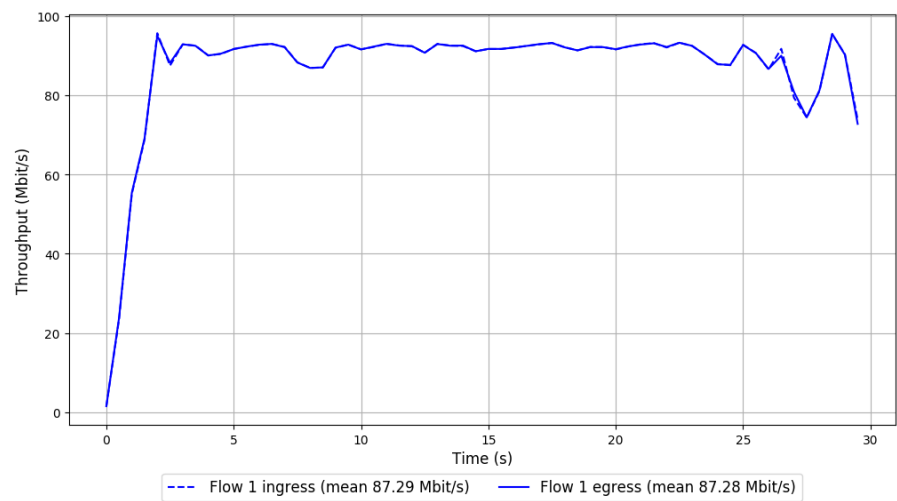


Run 8: Statistics of Vivace-latency

Start at: 2018-02-20 03:32:49
End at: 2018-02-20 03:33:19
Local clock offset: -8.392 ms
Remote clock offset: 13.978 ms

Below is generated by plot.py at 2018-02-20 05:27:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: -5.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: -5.336 ms
Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

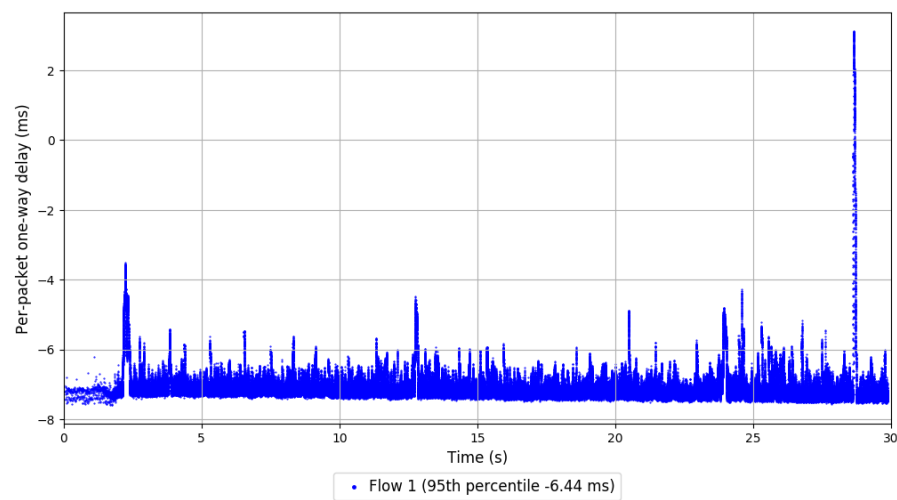
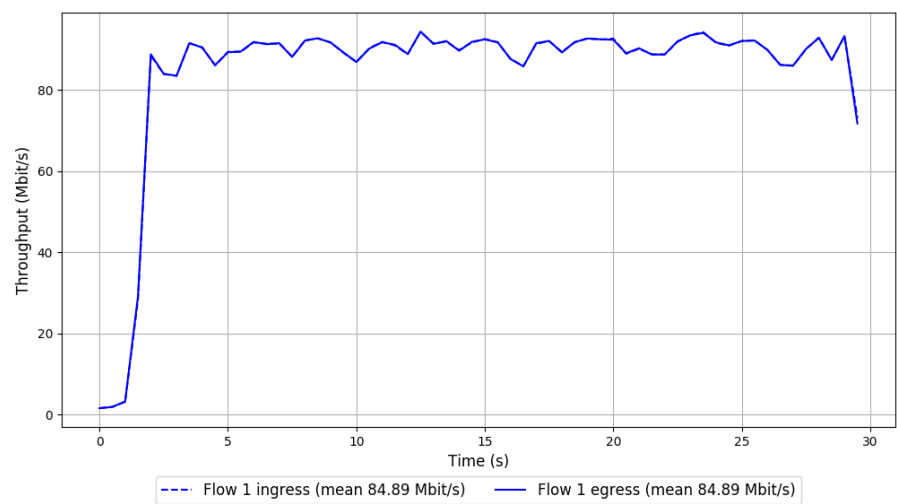


Run 9: Statistics of Vivace-latency

Start at: 2018-02-20 03:55:50
End at: 2018-02-20 03:56:20
Local clock offset: -13.177 ms
Remote clock offset: 22.611 ms

Below is generated by plot.py at 2018-02-20 05:27:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: -6.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: -6.436 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

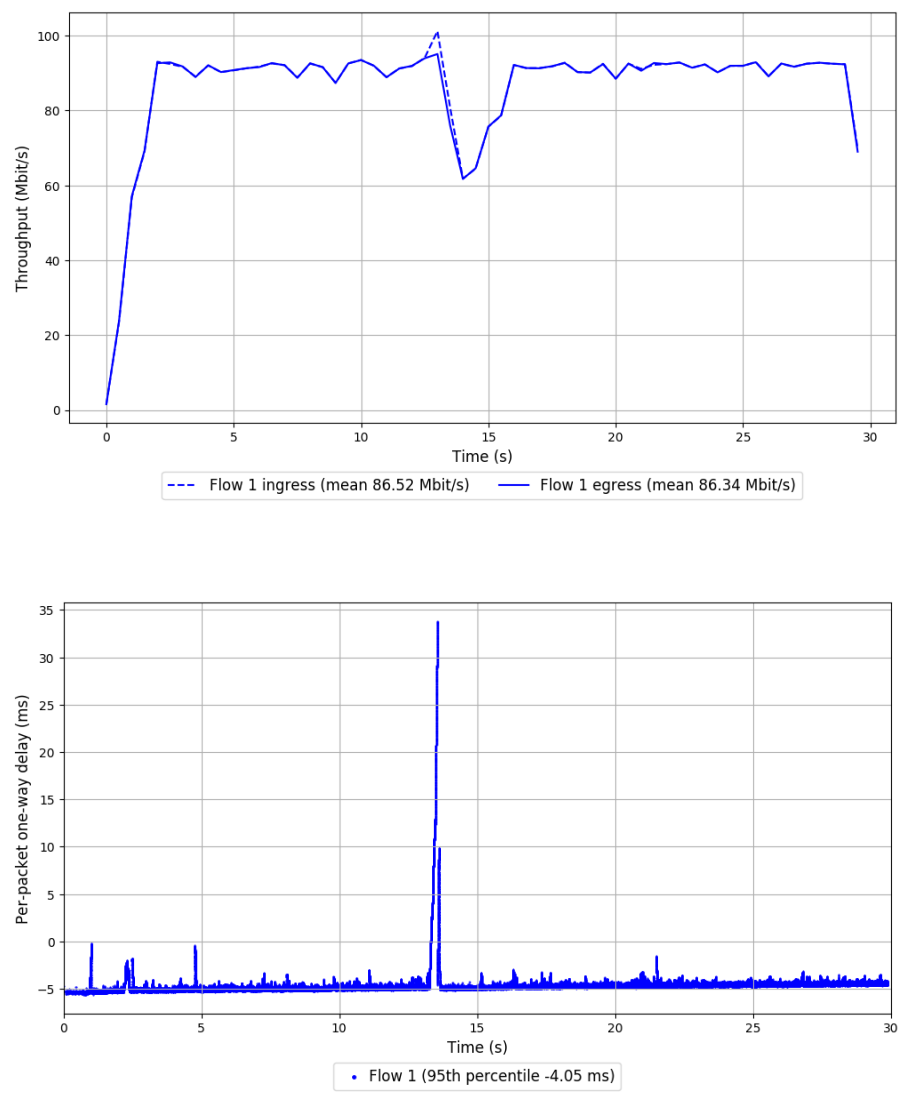


Run 10: Statistics of Vivace-latency

Start at: 2018-02-20 04:18:41
End at: 2018-02-20 04:19:11
Local clock offset: -0.947 ms
Remote clock offset: -25.684 ms

Below is generated by plot.py at 2018-02-20 05:27:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: -4.047 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: -4.047 ms
Loss rate: 0.21%

Run 10: Report of Vivace-latency — Data Link

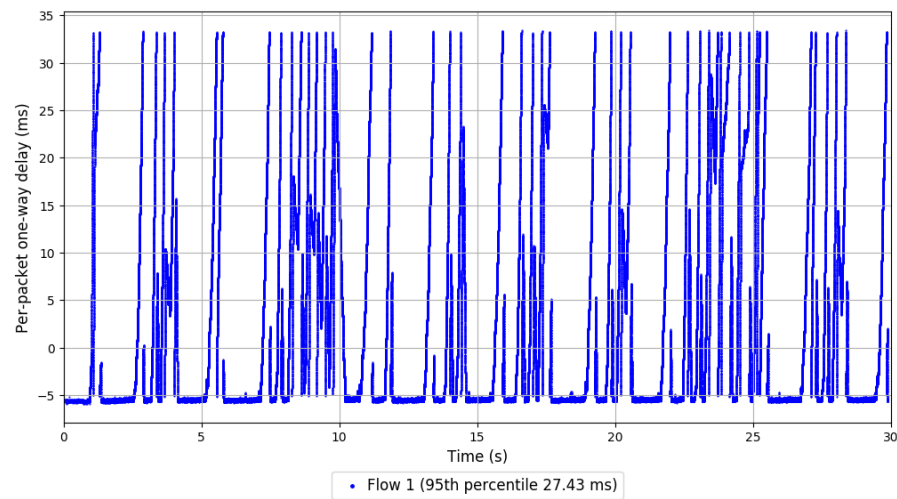
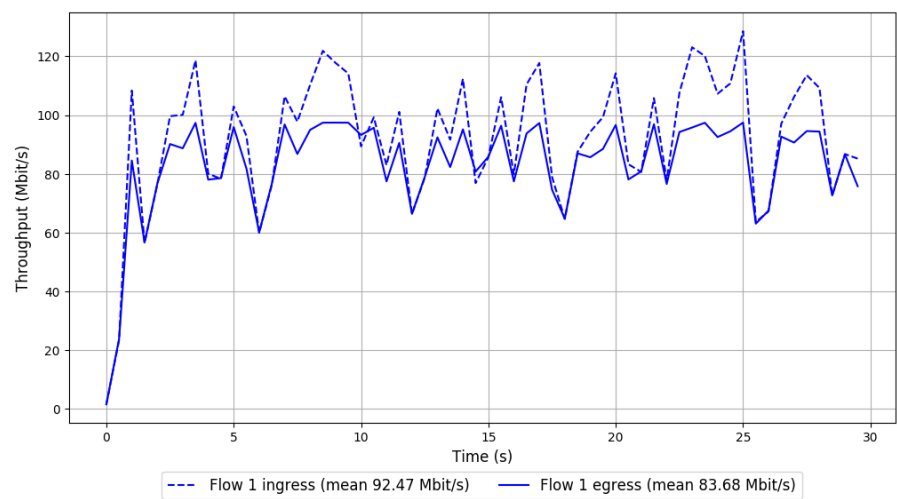


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-20 01:02:39
End at: 2018-02-20 01:03:09
Local clock offset: -7.698 ms
Remote clock offset: -16.844 ms

# Below is generated by plot.py at 2018-02-20 05:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.68 Mbit/s
95th percentile per-packet one-way delay: 27.429 ms
Loss rate: 9.50%
-- Flow 1:
Average throughput: 83.68 Mbit/s
95th percentile per-packet one-way delay: 27.429 ms
Loss rate: 9.50%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-20 01:24:40

End at: 2018-02-20 01:25:10

Local clock offset: -8.771 ms

Remote clock offset: -16.086 ms

Below is generated by plot.py at 2018-02-20 05:28:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.53 Mbit/s

95th percentile per-packet one-way delay: 27.567 ms

Loss rate: 9.44%

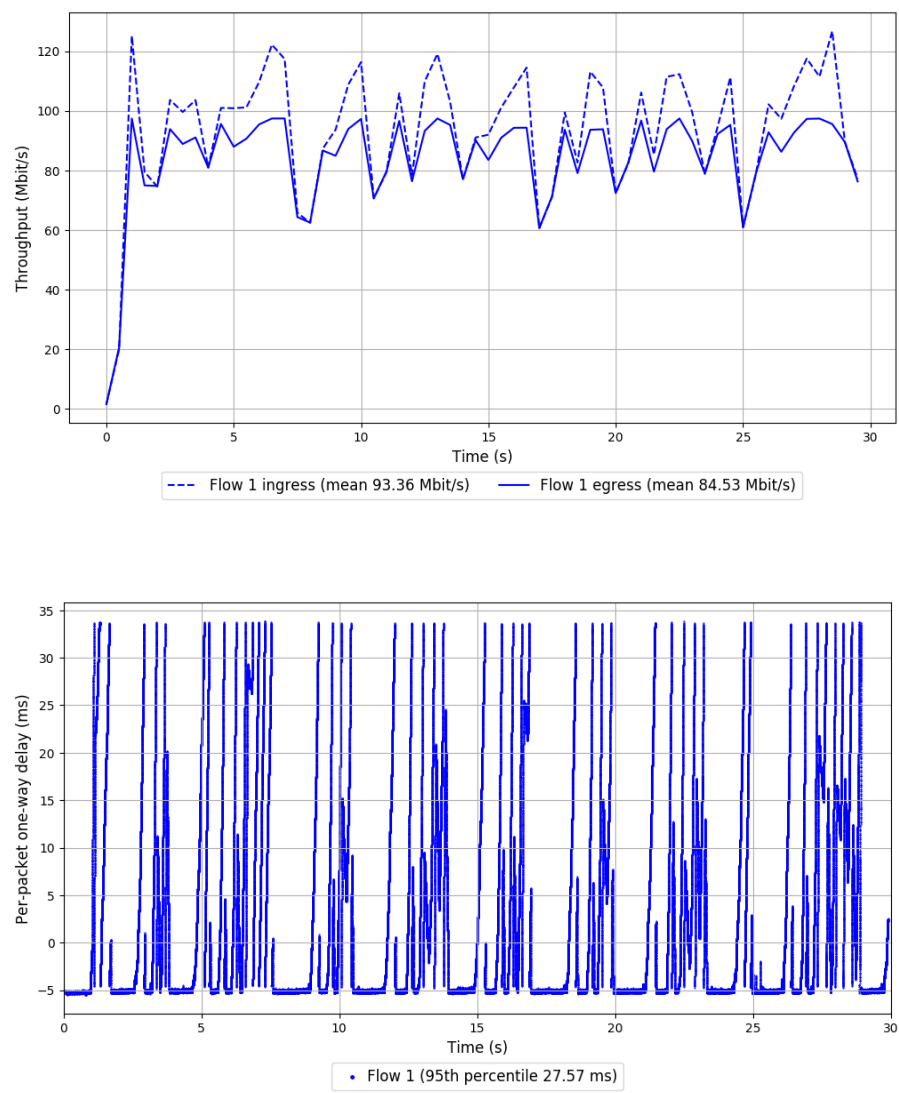
-- Flow 1:

Average throughput: 84.53 Mbit/s

95th percentile per-packet one-way delay: 27.567 ms

Loss rate: 9.44%

Run 2: Report of Vivace-loss — Data Link

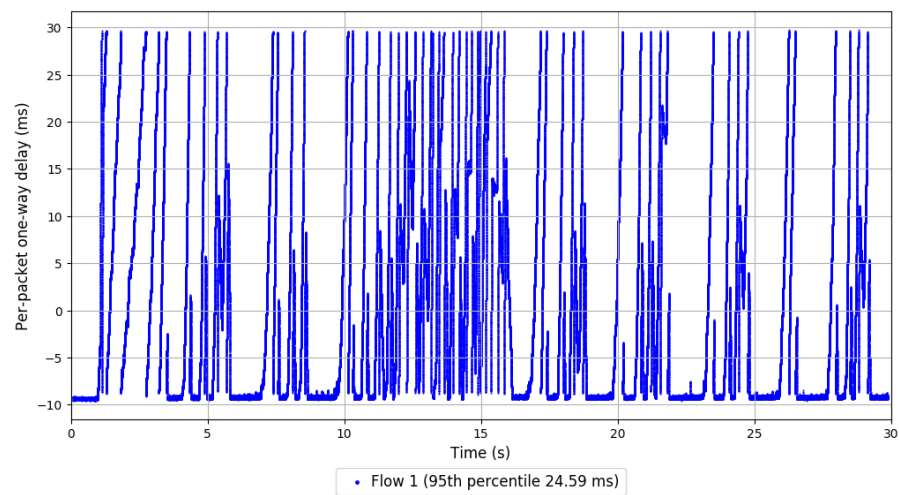
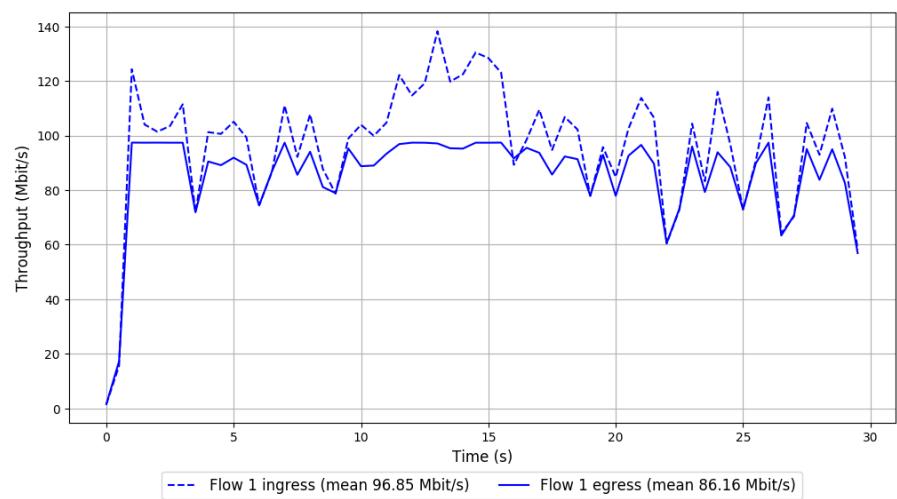


Run 3: Statistics of Vivace-loss

Start at: 2018-02-20 01:47:00
End at: 2018-02-20 01:47:30
Local clock offset: -7.025 ms
Remote clock offset: -18.836 ms

Below is generated by plot.py at 2018-02-20 05:28:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 24.595 ms
Loss rate: 11.03%
-- Flow 1:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 24.595 ms
Loss rate: 11.03%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-20 02:09:33

End at: 2018-02-20 02:10:03

Local clock offset: -7.704 ms

Remote clock offset: -19.554 ms

Below is generated by plot.py at 2018-02-20 05:28:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.16 Mbit/s

95th percentile per-packet one-way delay: 28.909 ms

Loss rate: 12.12%

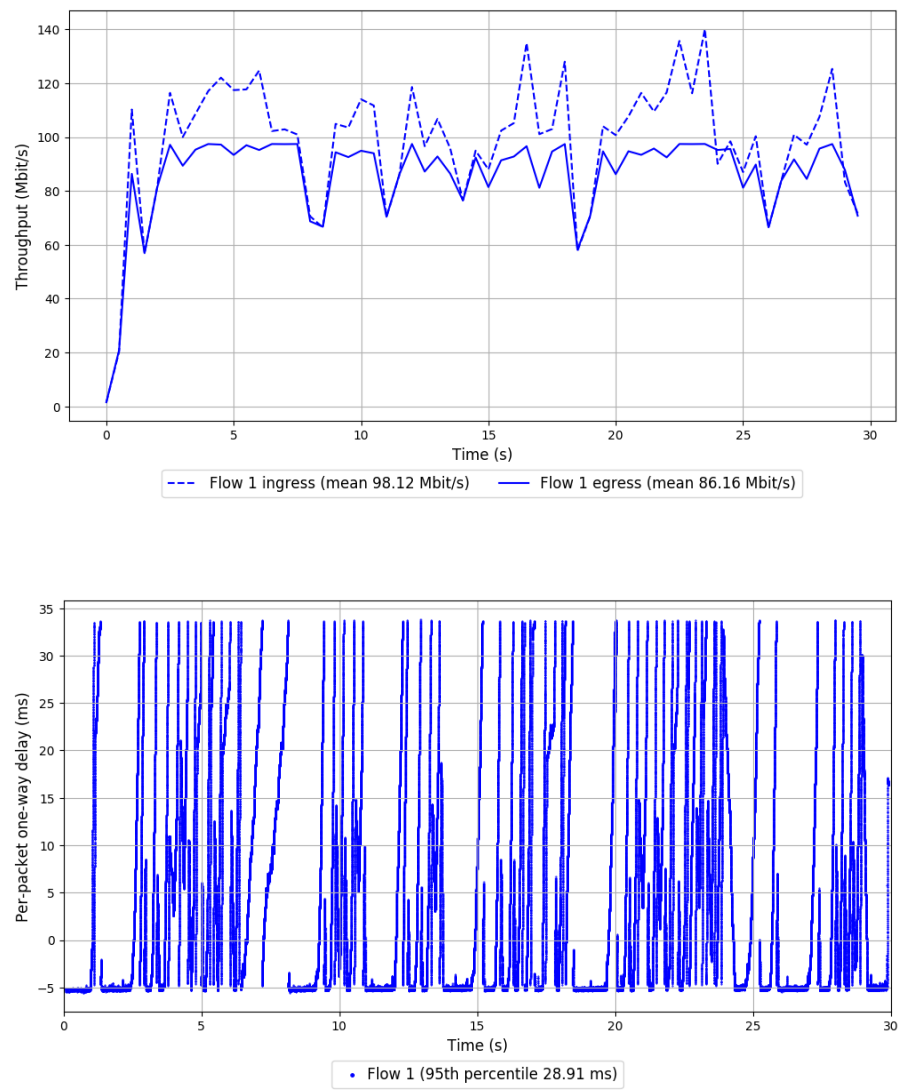
-- Flow 1:

Average throughput: 86.16 Mbit/s

95th percentile per-packet one-way delay: 28.909 ms

Loss rate: 12.12%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-20 02:31:53

End at: 2018-02-20 02:32:23

Local clock offset: -4.772 ms

Remote clock offset: -14.4 ms

Below is generated by plot.py at 2018-02-20 05:28:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 24.737 ms

Loss rate: 10.19%

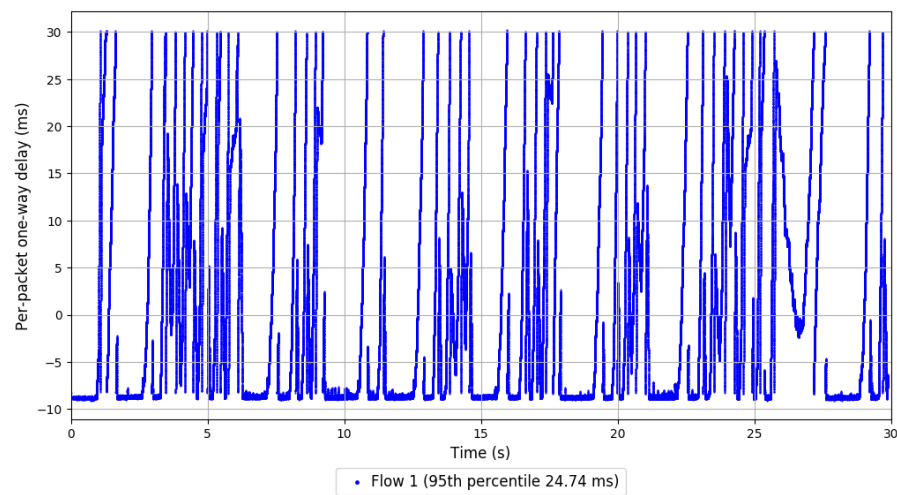
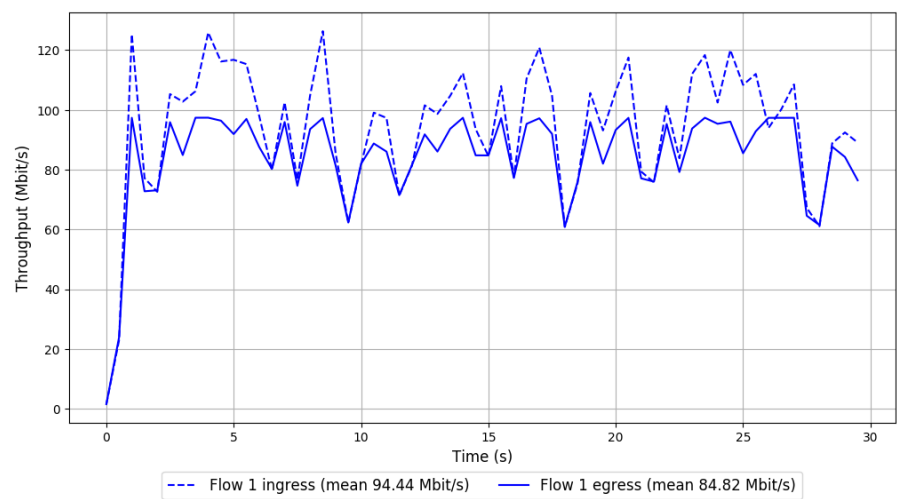
-- Flow 1:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 24.737 ms

Loss rate: 10.19%

Run 5: Report of Vivace-loss — Data Link

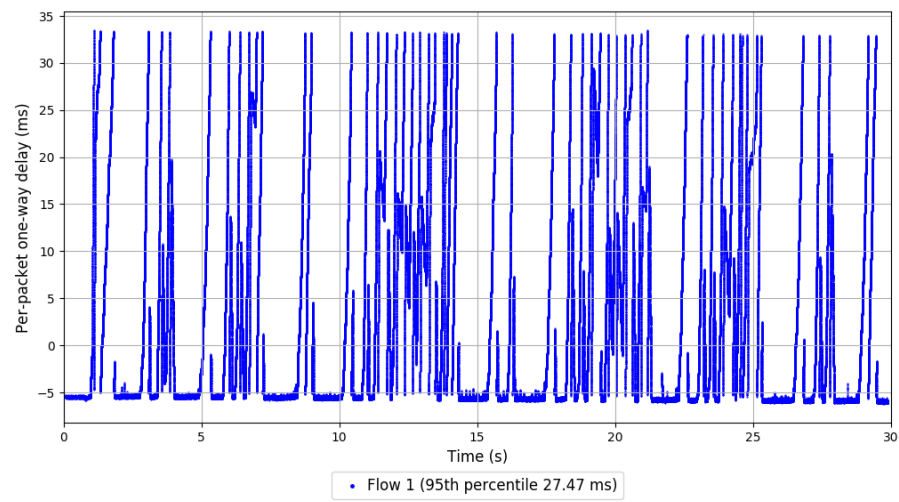
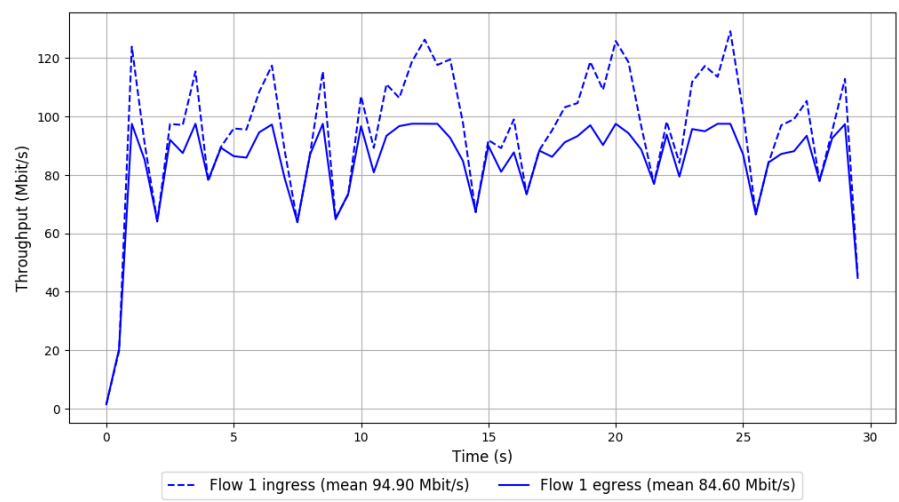


Run 6: Statistics of Vivace-loss

Start at: 2018-02-20 02:54:29
End at: 2018-02-20 02:54:59
Local clock offset: -5.301 ms
Remote clock offset: -3.881 ms

Below is generated by plot.py at 2018-02-20 05:28:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 27.468 ms
Loss rate: 10.86%
-- Flow 1:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 27.468 ms
Loss rate: 10.86%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-20 03:17:13

End at: 2018-02-20 03:17:43

Local clock offset: -7.586 ms

Remote clock offset: 9.366 ms

Below is generated by plot.py at 2018-02-20 05:28:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 28.733 ms

Loss rate: 10.67%

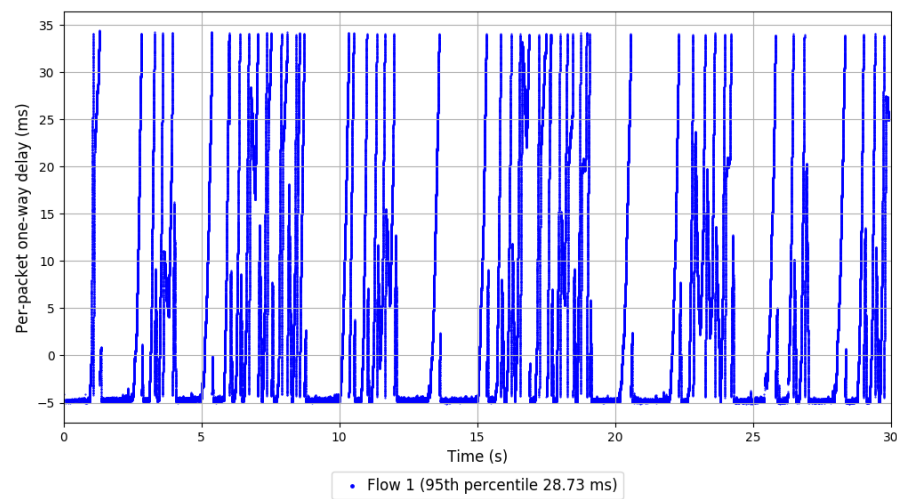
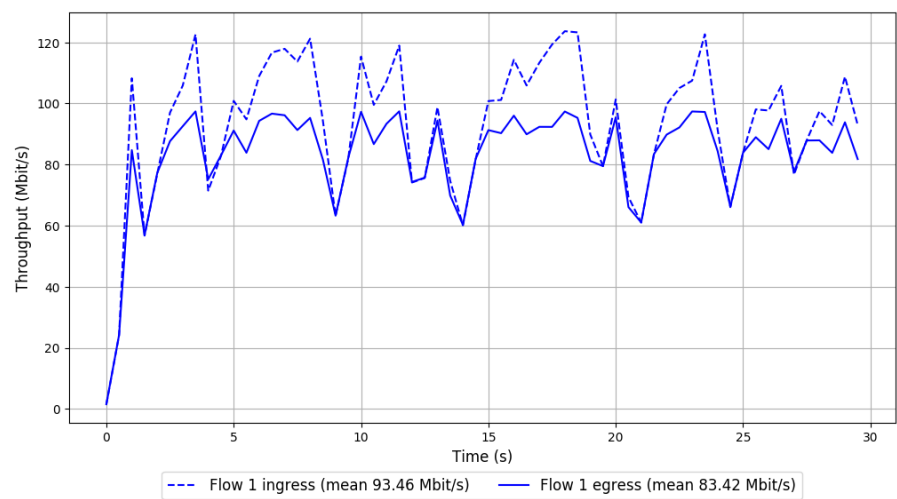
-- Flow 1:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 28.733 ms

Loss rate: 10.67%

Run 7: Report of Vivace-loss — Data Link

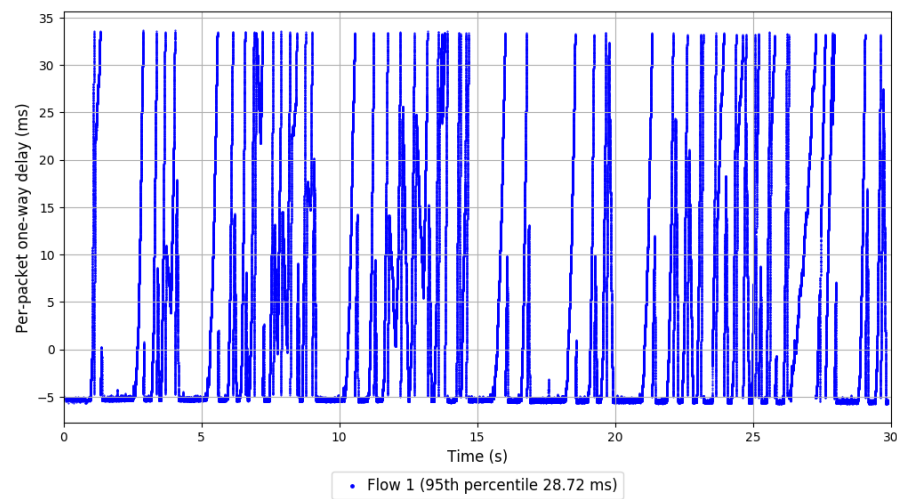
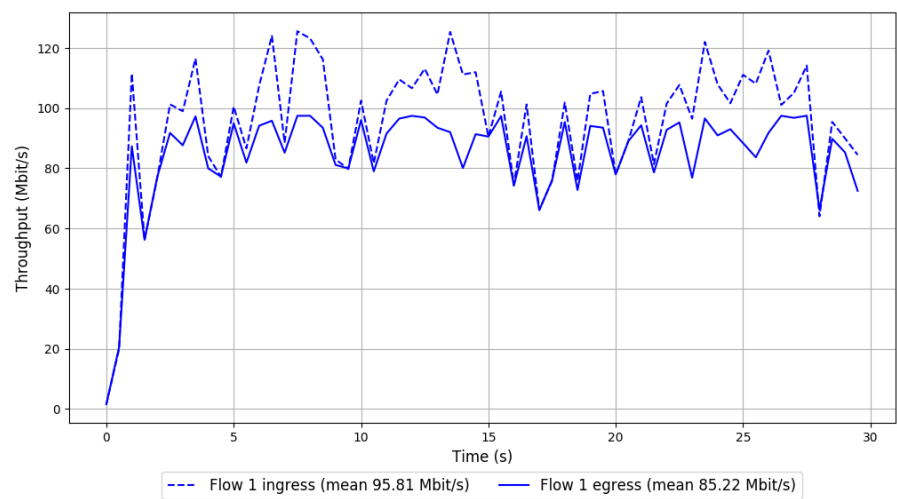


Run 8: Statistics of Vivace-loss

Start at: 2018-02-20 03:40:09
End at: 2018-02-20 03:40:40
Local clock offset: -11.665 ms
Remote clock offset: 17.628 ms

Below is generated by plot.py at 2018-02-20 05:28:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 28.721 ms
Loss rate: 11.06%
-- Flow 1:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 28.721 ms
Loss rate: 11.06%

Run 8: Report of Vivace-loss — Data Link

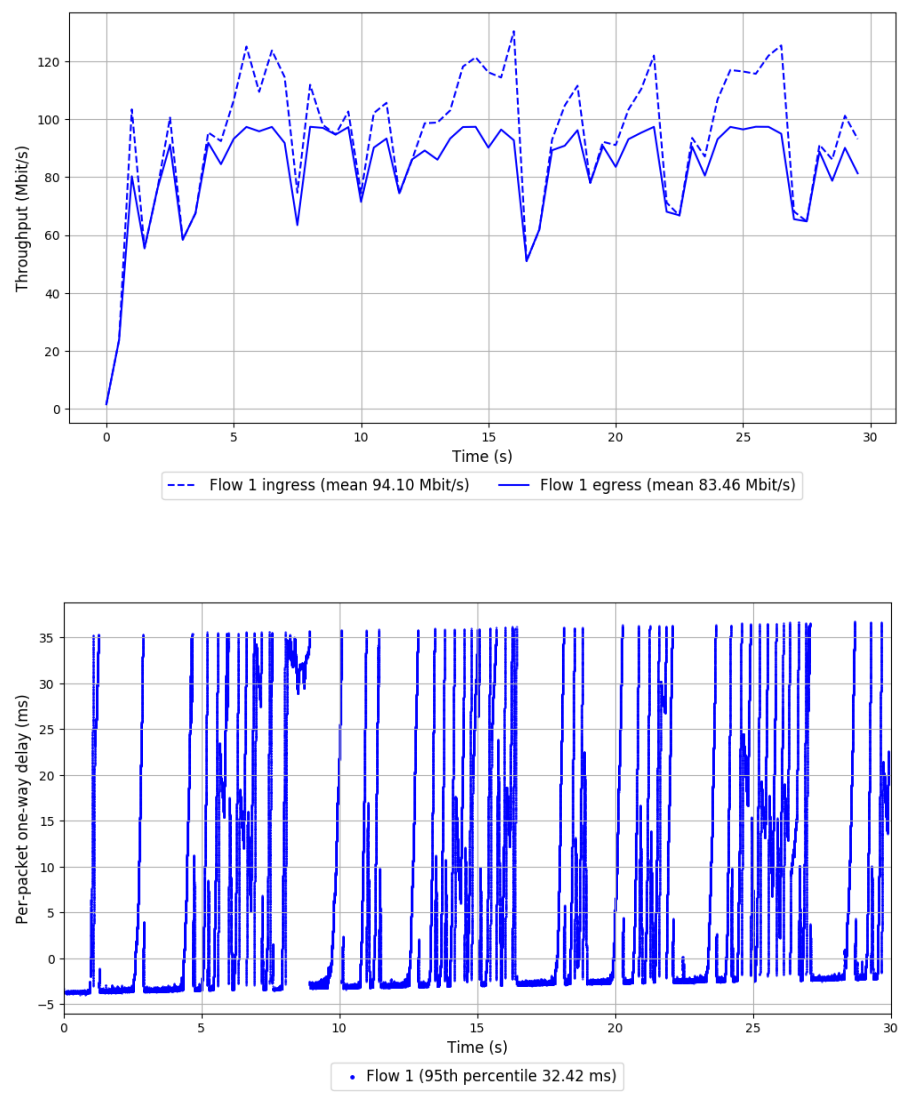


Run 9: Statistics of Vivace-loss

Start at: 2018-02-20 04:03:09
End at: 2018-02-20 04:03:39
Local clock offset: -17.931 ms
Remote clock offset: 2.49 ms

Below is generated by plot.py at 2018-02-20 05:29:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 32.418 ms
Loss rate: 11.23%
-- Flow 1:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 32.418 ms
Loss rate: 11.23%

Run 9: Report of Vivace-loss — Data Link

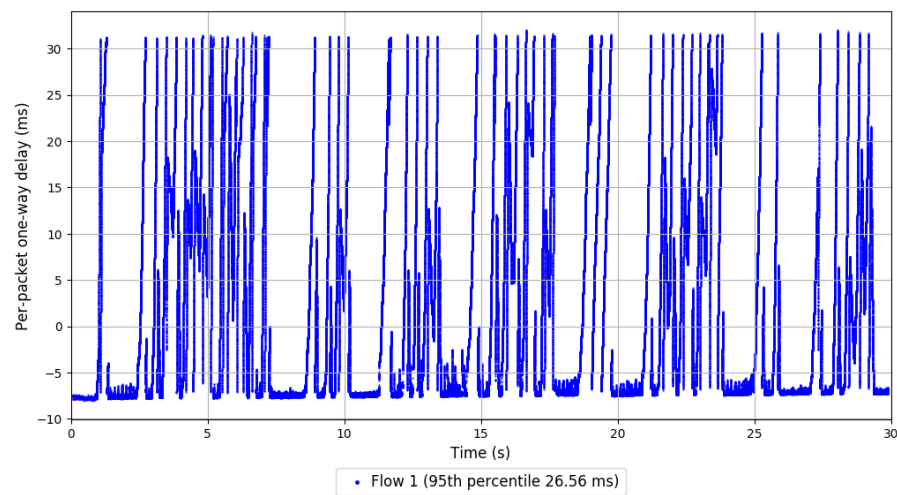
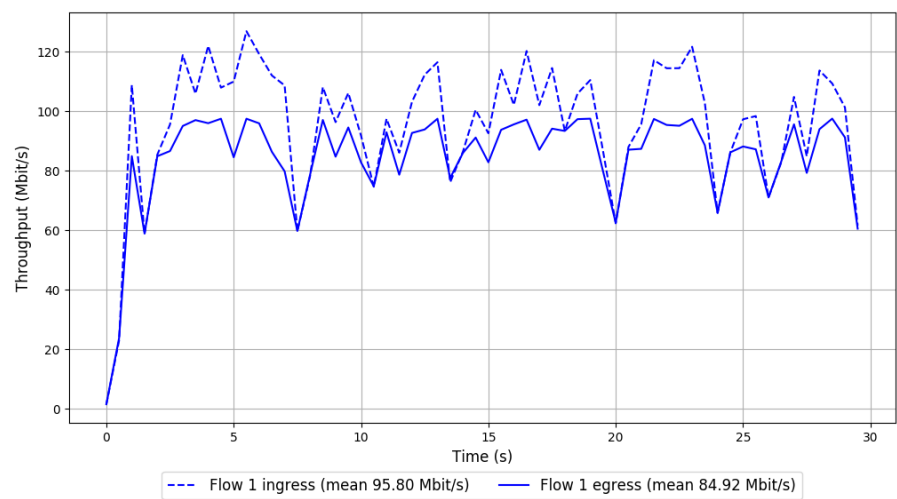


Run 10: Statistics of Vivace-loss

Start at: 2018-02-20 04:26:10
End at: 2018-02-20 04:26:40
Local clock offset: 5.61 ms
Remote clock offset: -31.251 ms

Below is generated by plot.py at 2018-02-20 05:29:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.92 Mbit/s
95th percentile per-packet one-way delay: 26.562 ms
Loss rate: 11.36%
-- Flow 1:
Average throughput: 84.92 Mbit/s
95th percentile per-packet one-way delay: 26.562 ms
Loss rate: 11.36%

Run 10: Report of Vivace-loss — Data Link

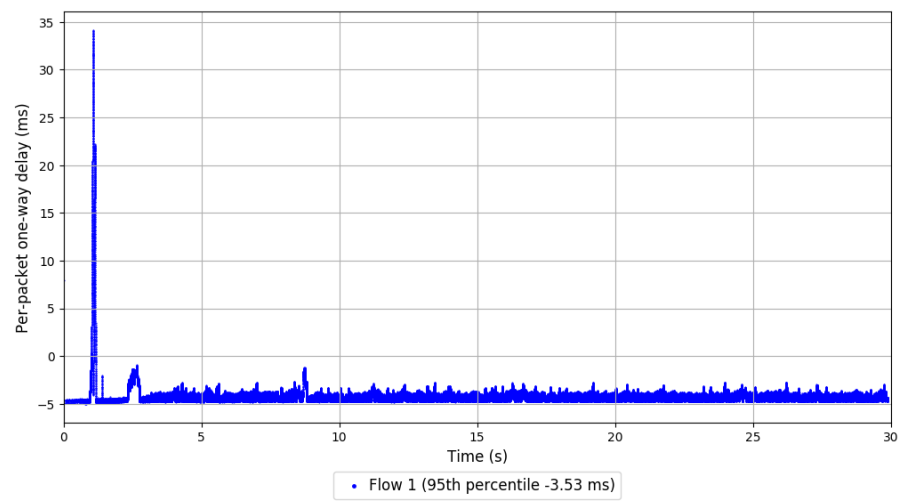
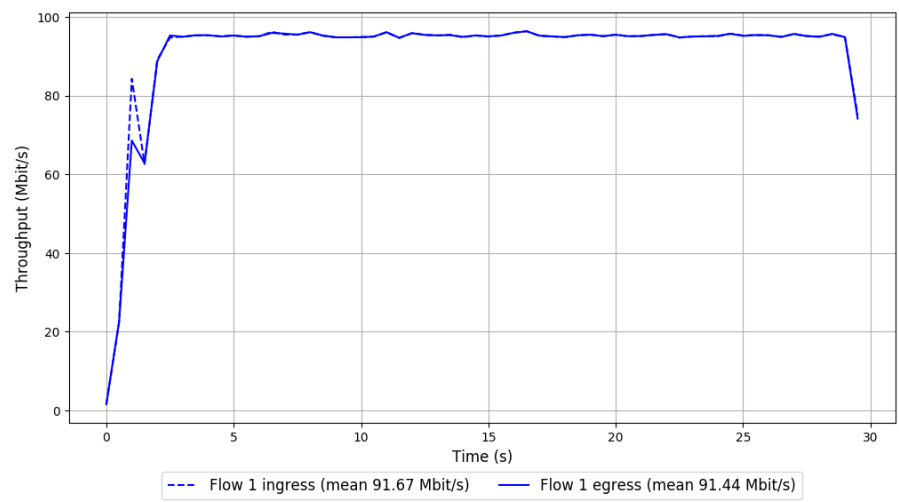


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-20 00:52:00
End at: 2018-02-20 00:52:30
Local clock offset: -6.695 ms
Remote clock offset: -14.316 ms

# Below is generated by plot.py at 2018-02-20 05:29:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.44 Mbit/s
95th percentile per-packet one-way delay: -3.526 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.44 Mbit/s
95th percentile per-packet one-way delay: -3.526 ms
Loss rate: 0.29%
```

Run 1: Report of Vivace-LTE — Data Link

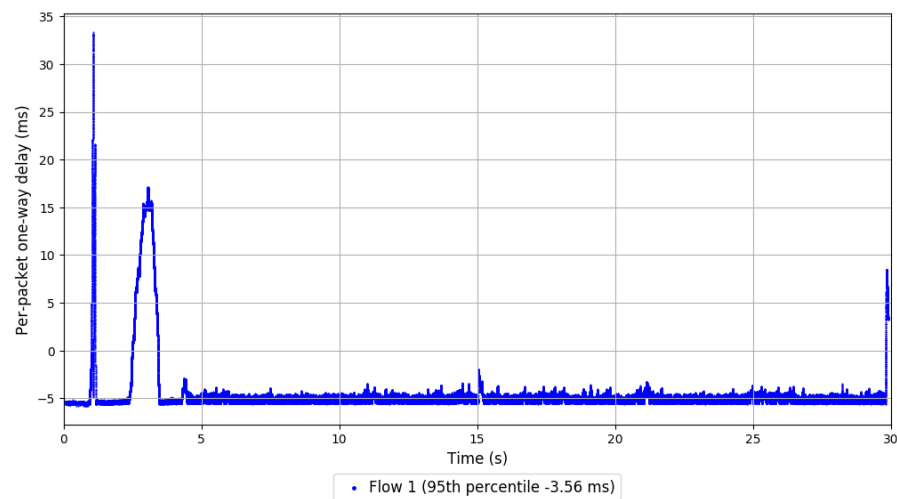
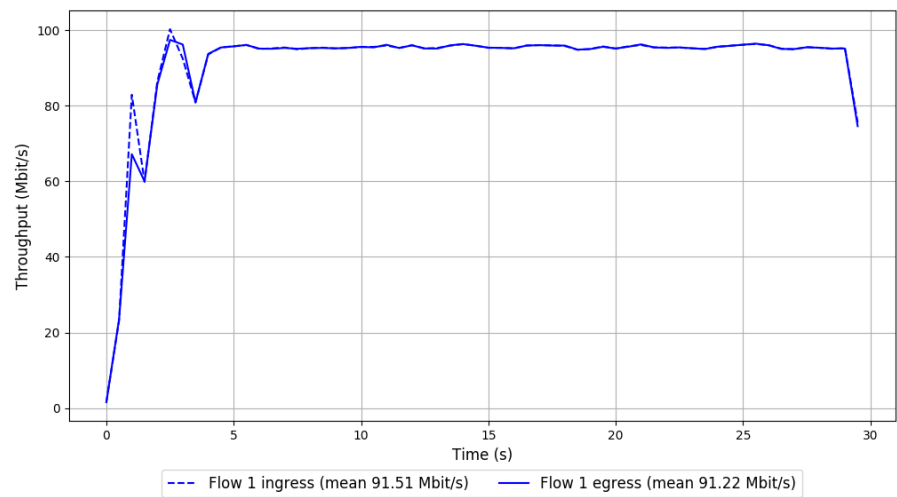


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-20 01:13:56
End at: 2018-02-20 01:14:26
Local clock offset: -7.964 ms
Remote clock offset: -16.81 ms

Below is generated by plot.py at 2018-02-20 05:29:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: -3.556 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: -3.556 ms
Loss rate: 0.29%

Run 2: Report of Vivace-LTE — Data Link

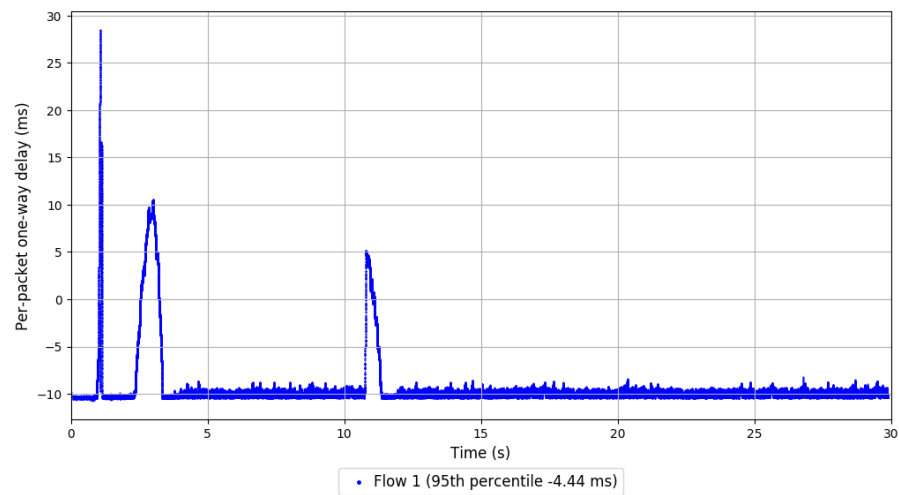
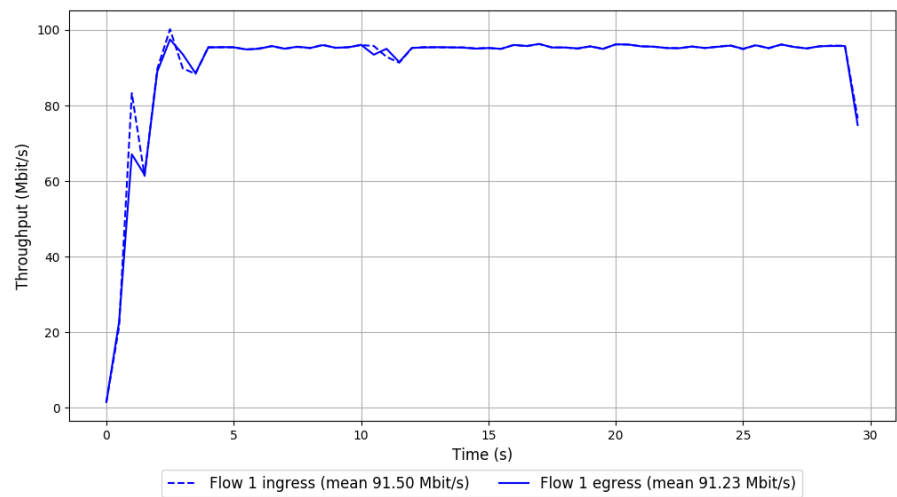


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-20 01:36:04
End at: 2018-02-20 01:36:34
Local clock offset: -6.508 ms
Remote clock offset: -18.615 ms

Below is generated by plot.py at 2018-02-20 05:30:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: -4.441 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: -4.441 ms
Loss rate: 0.29%

Run 3: Report of Vivace-LTE — Data Link

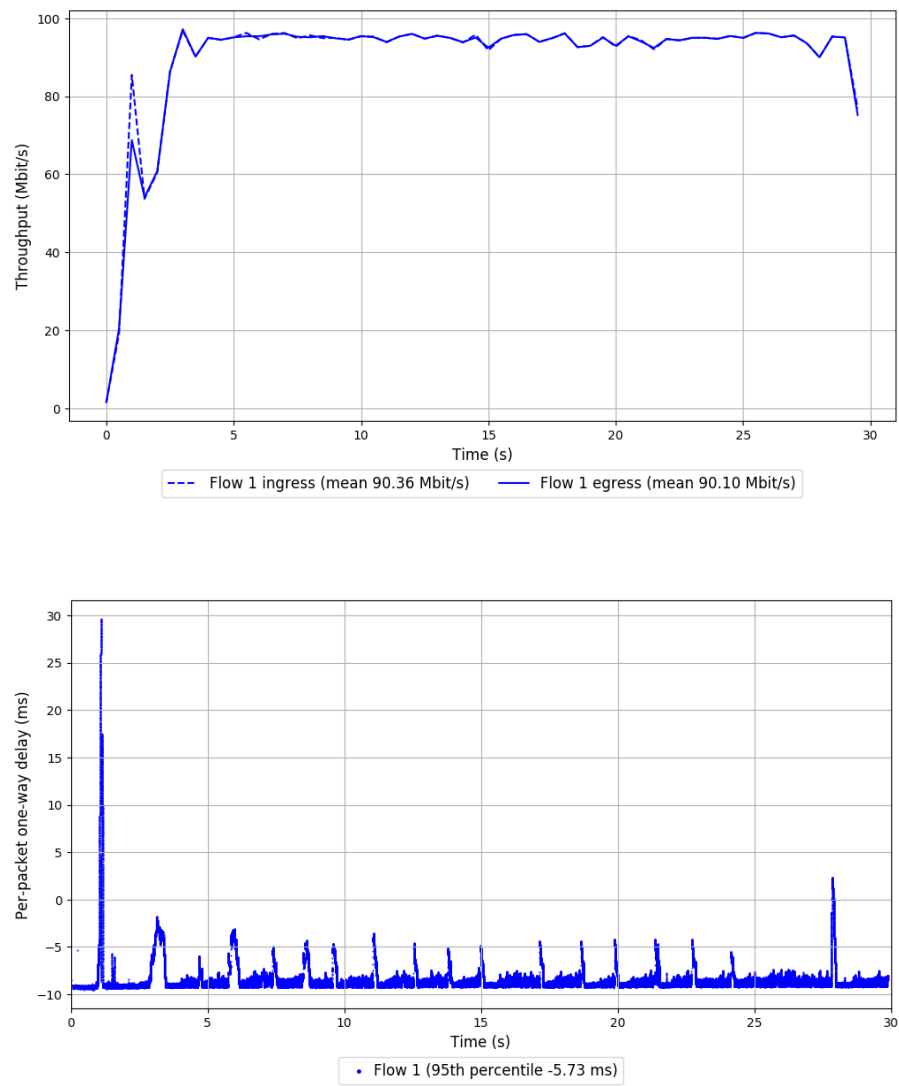


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-20 01:58:34
End at: 2018-02-20 01:59:04
Local clock offset: -4.981 ms
Remote clock offset: -19.327 ms

Below is generated by plot.py at 2018-02-20 05:30:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: -5.727 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: -5.727 ms
Loss rate: 0.30%

Run 4: Report of Vivace-LTE — Data Link

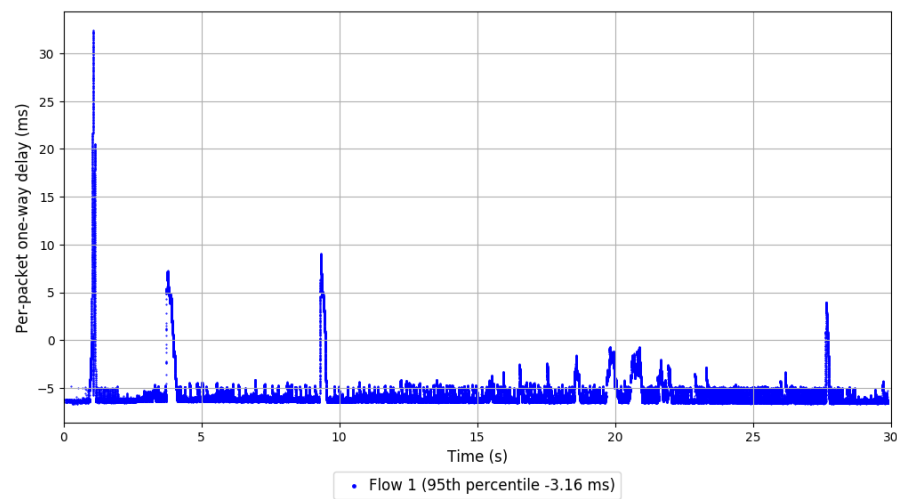
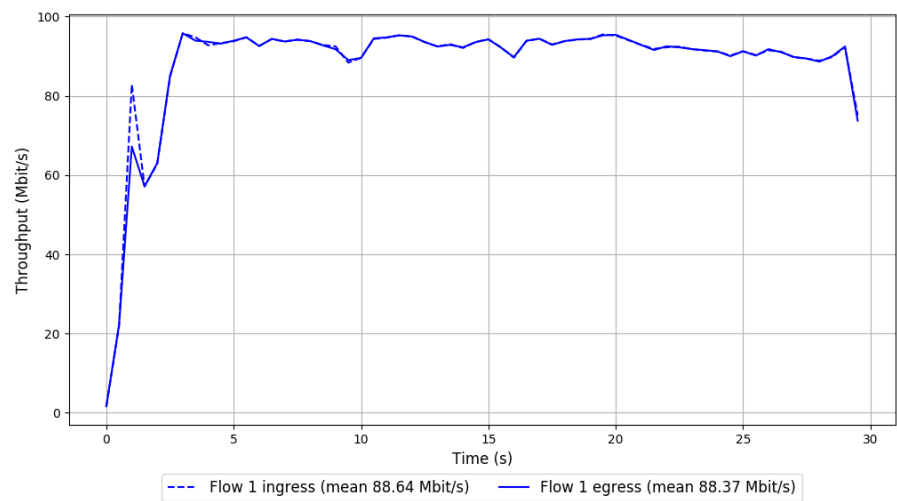


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-20 02:21:02
End at: 2018-02-20 02:21:32
Local clock offset: -7.422 ms
Remote clock offset: -17.574 ms

Below is generated by plot.py at 2018-02-20 05:30:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: -3.164 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: -3.164 ms
Loss rate: 0.30%

Run 5: Report of Vivace-LTE — Data Link

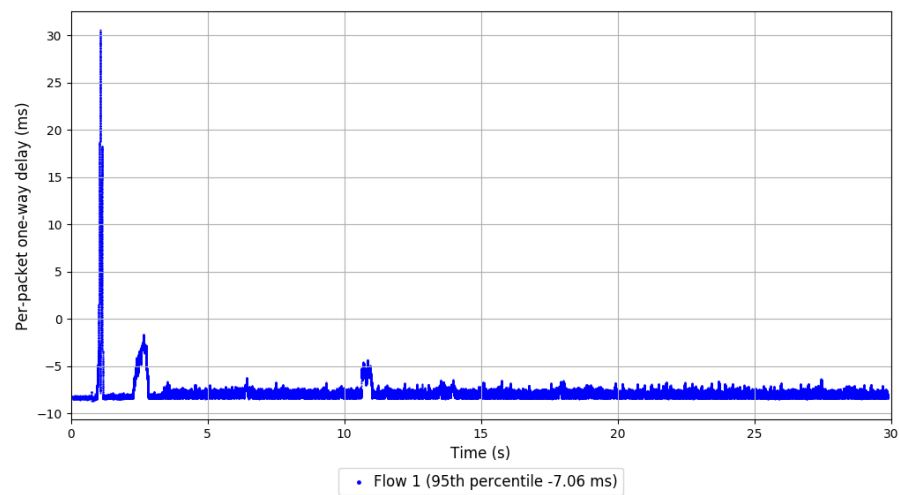
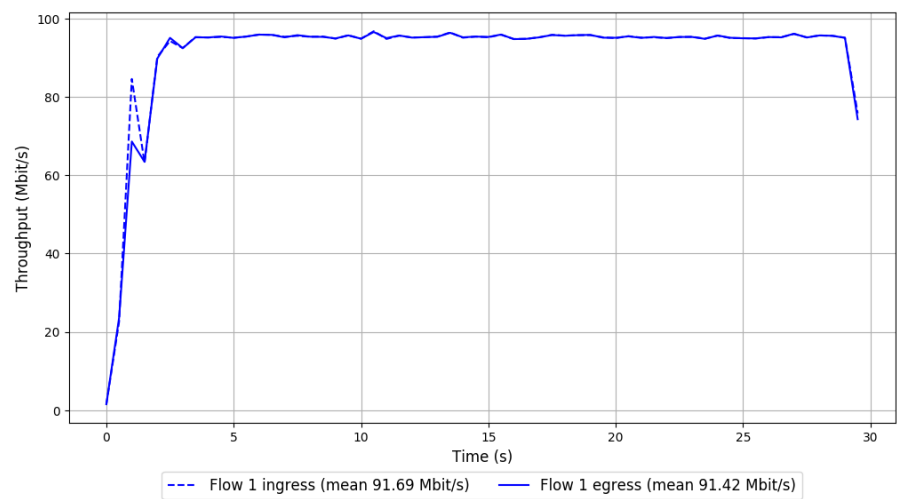


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-20 02:43:31
End at: 2018-02-20 02:44:01
Local clock offset: -4.394 ms
Remote clock offset: -12.581 ms

Below is generated by plot.py at 2018-02-20 05:30:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: -7.063 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: -7.063 ms
Loss rate: 0.29%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-20 03:06:14

End at: 2018-02-20 03:06:44

Local clock offset: -5.772 ms

Remote clock offset: 3.705 ms

Below is generated by plot.py at 2018-02-20 05:30:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: -5.408 ms

Loss rate: 0.29%

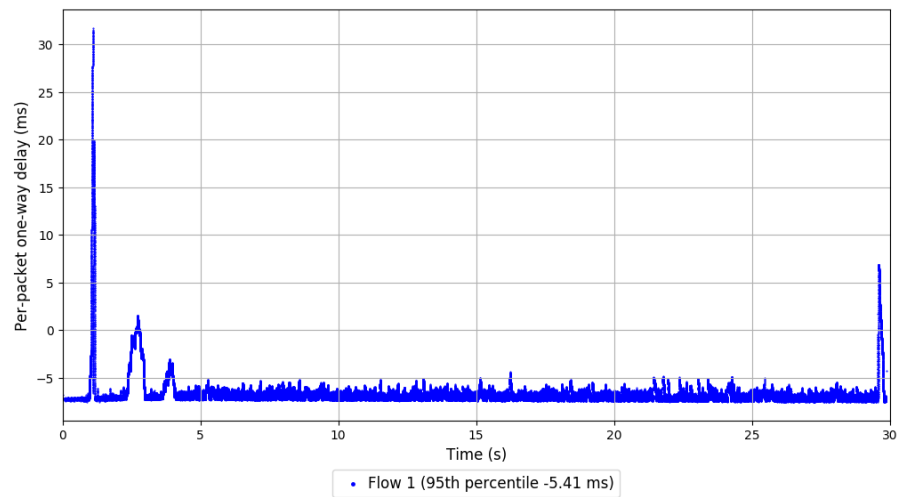
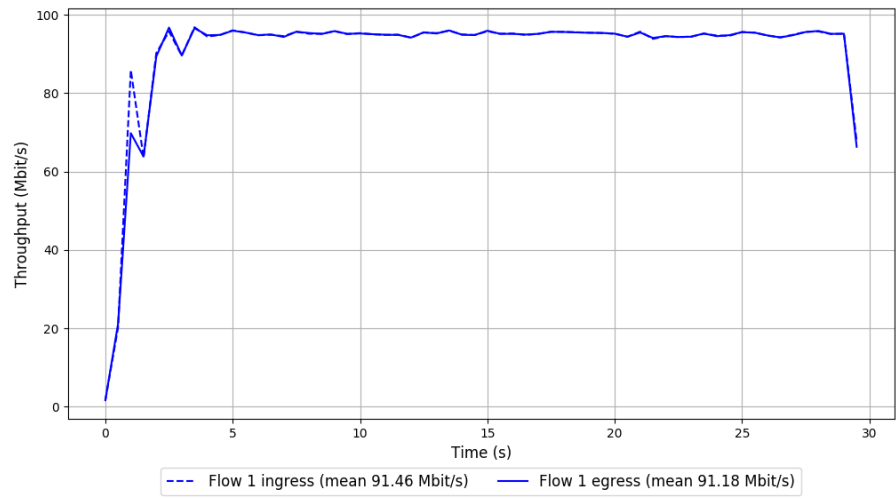
-- Flow 1:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: -5.408 ms

Loss rate: 0.29%

Run 7: Report of Vivace-LTE — Data Link

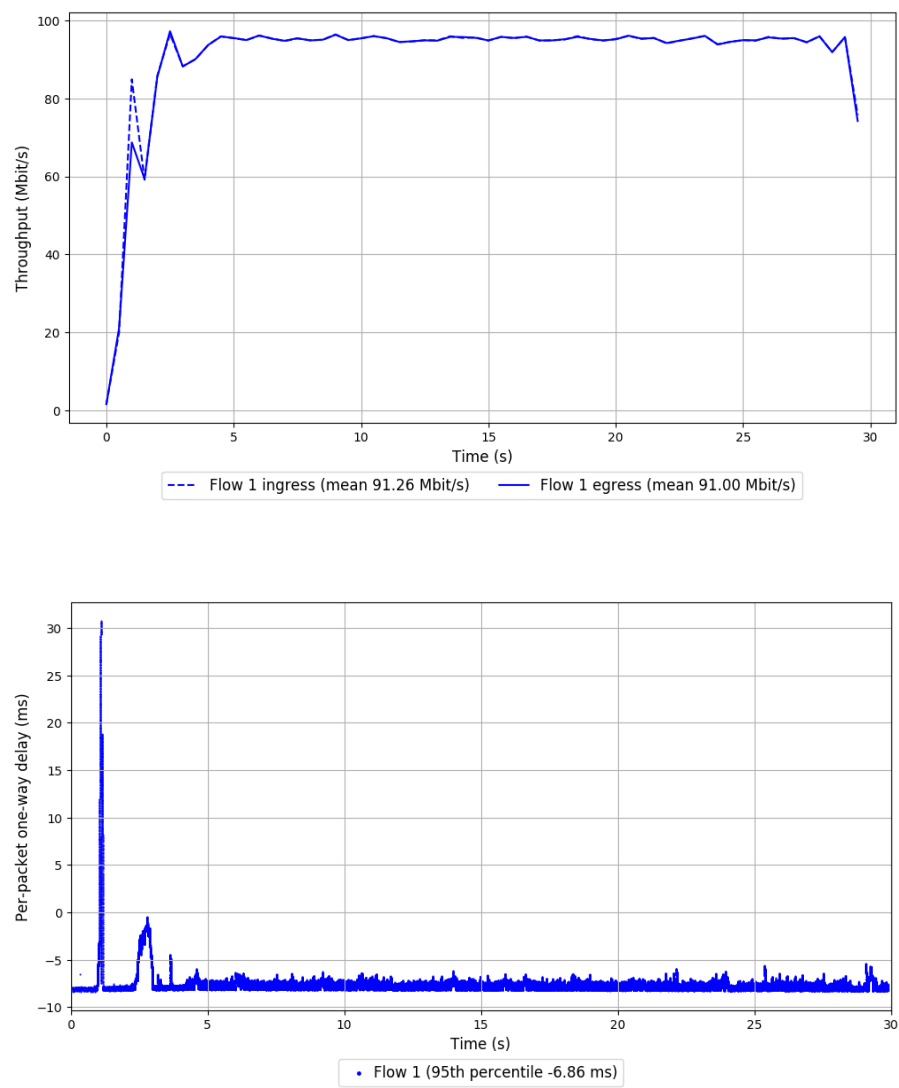


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-20 03:29:10
End at: 2018-02-20 03:29:40
Local clock offset: -5.098 ms
Remote clock offset: 12.652 ms

Below is generated by plot.py at 2018-02-20 05:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: -6.856 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: -6.856 ms
Loss rate: 0.29%

Run 8: Report of Vivace-LTE — Data Link

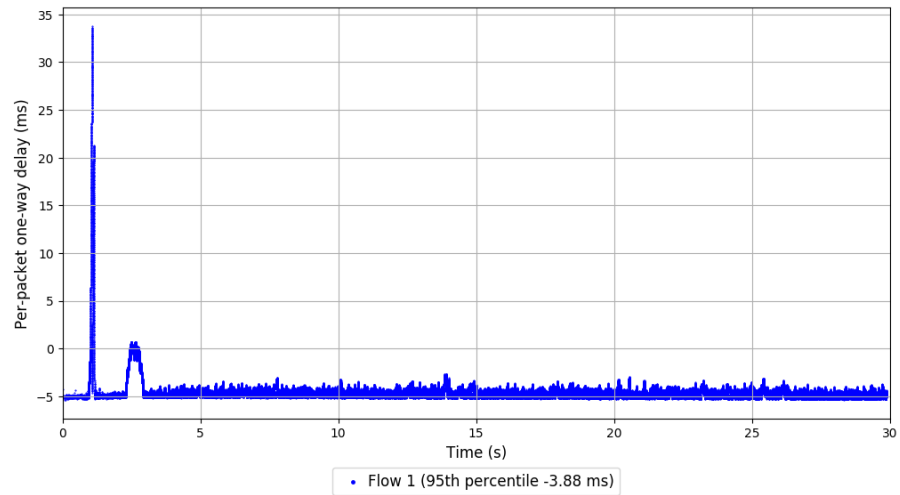
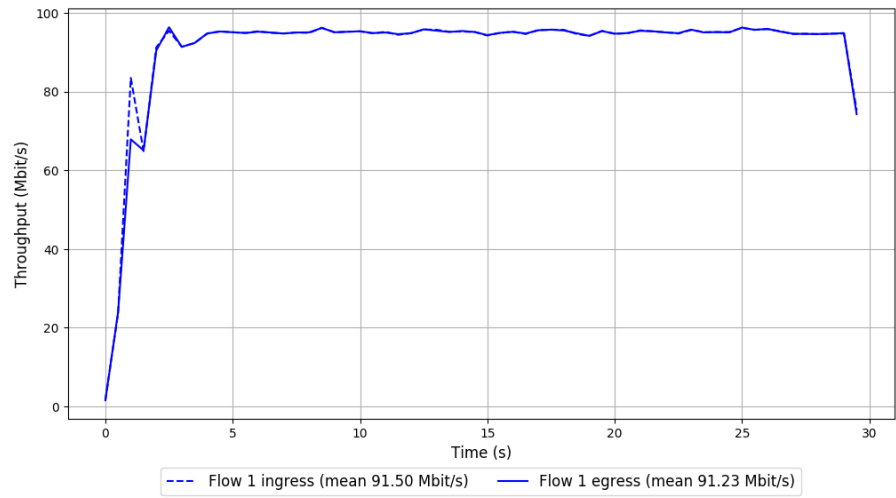


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-20 03:52:14
End at: 2018-02-20 03:52:44
Local clock offset: -16.331 ms
Remote clock offset: 20.047 ms

Below is generated by plot.py at 2018-02-20 05:30:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: -3.885 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: -3.885 ms
Loss rate: 0.29%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-20 04:15:01

End at: 2018-02-20 04:15:31

Local clock offset: -5.197 ms

Remote clock offset: -22.092 ms

Below is generated by plot.py at 2018-02-20 05:30:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.20 Mbit/s

95th percentile per-packet one-way delay: -1.896 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 91.20 Mbit/s

95th percentile per-packet one-way delay: -1.896 ms

Loss rate: 0.29%

Run 10: Report of Vivace-LTE — Data Link

