

Pantheon Report

Generated at 2018-02-01 22:21:32 (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).

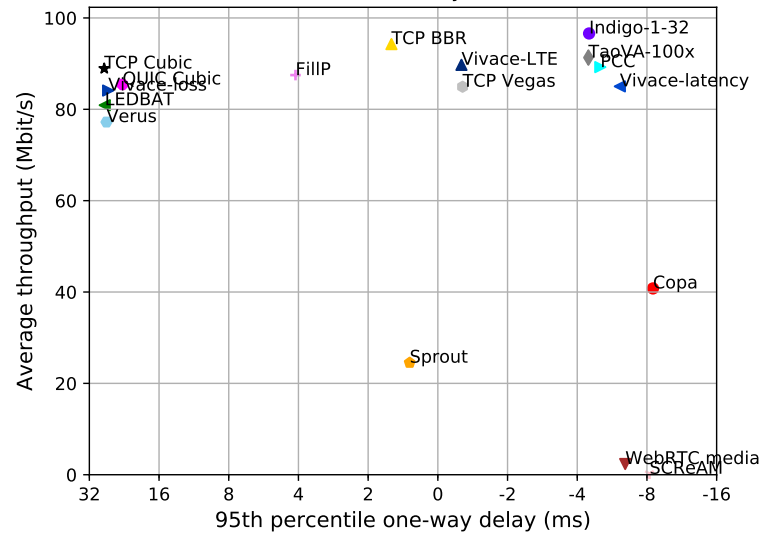
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

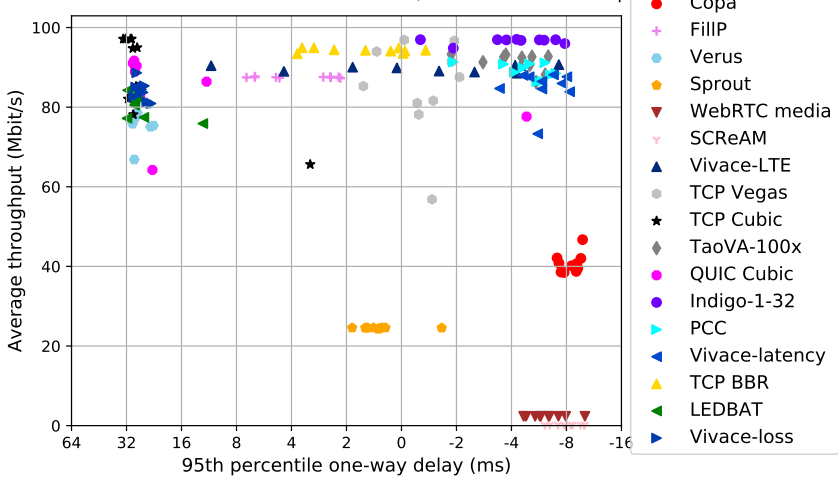
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ 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	94.28	1.33	0.55
TCP Cubic	10	88.92	27.60	0.38
LEDBAT	10	80.89	27.47	0.05
PCC	10	89.24	-5.03	0.33
QUIC Cubic	10	85.44	23.03	0.37
SCReAM	10	0.21	-8.21	0.00
WebRTC media	10	2.34	-6.44	0.00
Sprout	10	24.53	0.81	0.01
TaoVA-100x	10	91.33	-4.47	0.04
TCP Vegas	10	84.94	-0.71	0.09
Verus	10	77.21	26.98	20.85
Copa	10	40.79	-8.49	0.00
FillP	10	87.49	4.12	2.65
Indigo-1-32	10	96.60	-4.50	0.24
Vivace-latency	10	85.02	-6.11	0.06
Vivace-loss	10	84.11	26.53	10.29
Vivace-LTE	10	89.74	-0.68	0.51

Run 1: Statistics of TCP BBR

Start at: 2018-02-01 17:55:21

End at: 2018-02-01 17:55:51

Local clock offset: -0.534 ms

Remote clock offset: -20.878 ms

Below is generated by plot.py at 2018-02-01 21:56:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.92 Mbit/s

95th percentile per-packet one-way delay: 3.497 ms

Loss rate: 0.34%

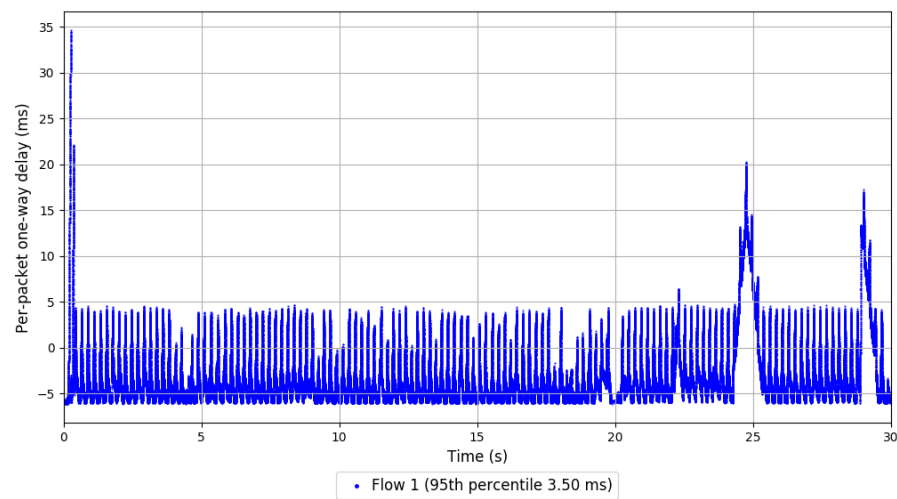
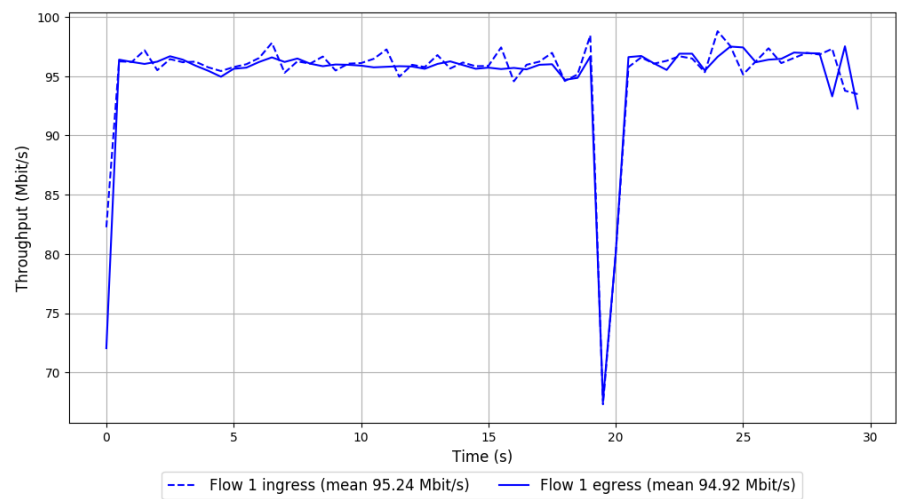
-- Flow 1:

Average throughput: 94.92 Mbit/s

95th percentile per-packet one-way delay: 3.497 ms

Loss rate: 0.34%

Run 1: Report of TCP BBR — Data Link

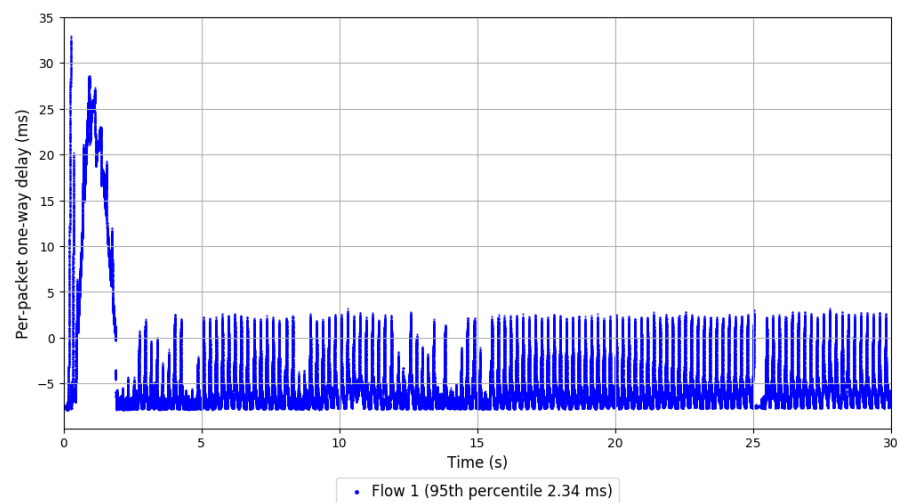
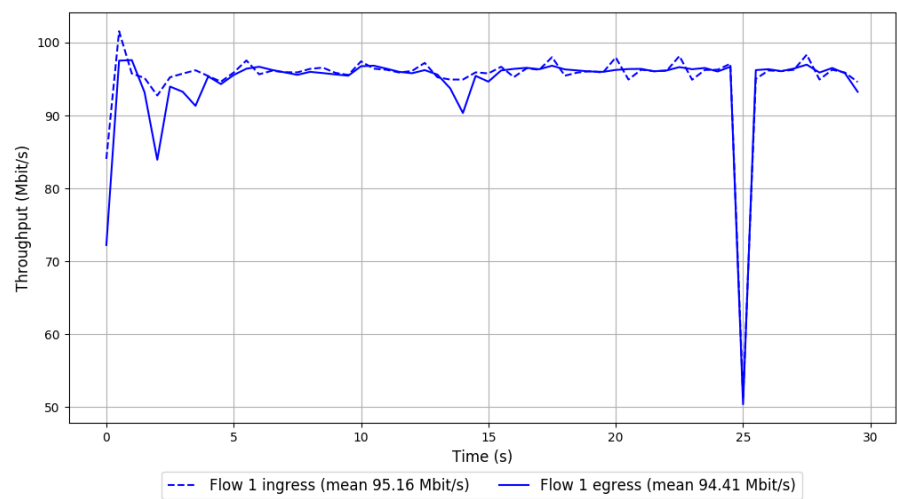


Run 2: Statistics of TCP BBR

Start at: 2018-02-01 18:18:04
End at: 2018-02-01 18:18:34
Local clock offset: 0.77 ms
Remote clock offset: -23.859 ms

Below is generated by plot.py at 2018-02-01 21:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 2.337 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 2.337 ms
Loss rate: 0.79%

Run 2: Report of TCP BBR — Data Link

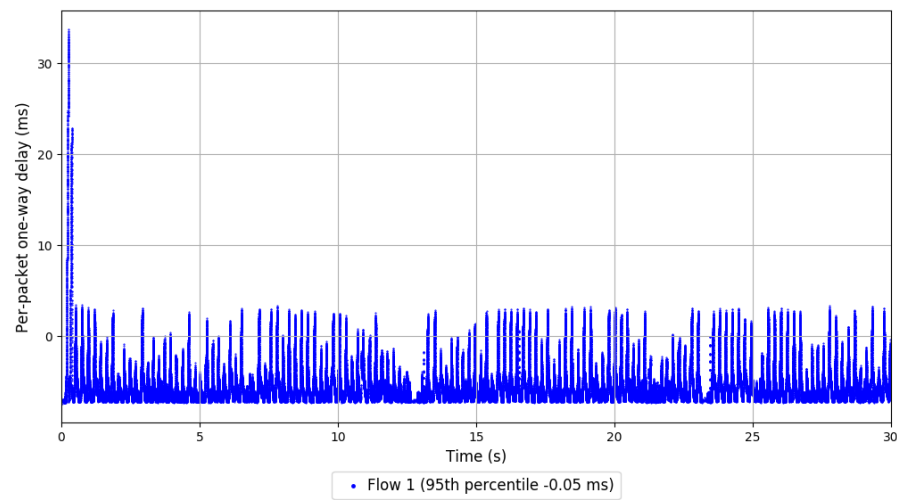
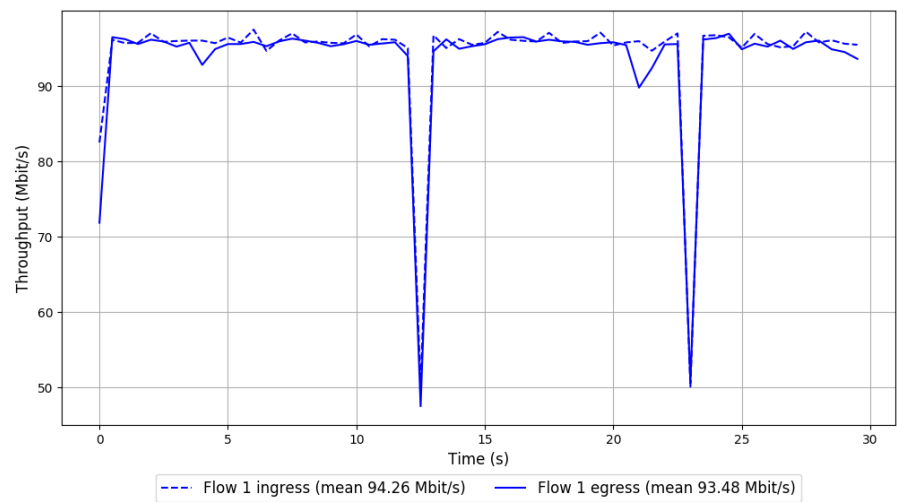


Run 3: Statistics of TCP BBR

Start at: 2018-02-01 18:40:49
End at: 2018-02-01 18:41:19
Local clock offset: 1.535 ms
Remote clock offset: -25.504 ms

Below is generated by plot.py at 2018-02-01 21:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: -0.054 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: -0.054 ms
Loss rate: 0.82%

Run 3: Report of TCP BBR — Data Link

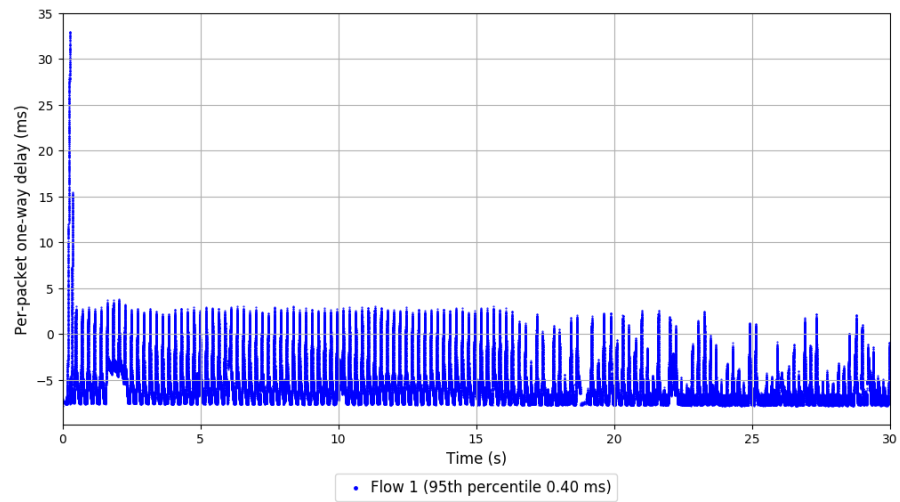
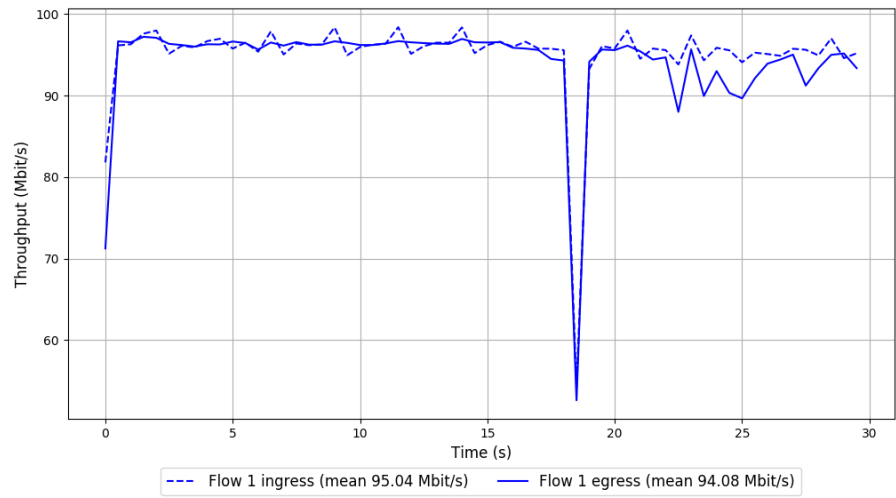


Run 4: Statistics of TCP BBR

Start at: 2018-02-01 19:03:14
End at: 2018-02-01 19:03:44
Local clock offset: 1.553 ms
Remote clock offset: -20.438 ms

Below is generated by plot.py at 2018-02-01 21:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 0.395 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 0.395 ms
Loss rate: 1.00%

Run 4: Report of TCP BBR — Data Link

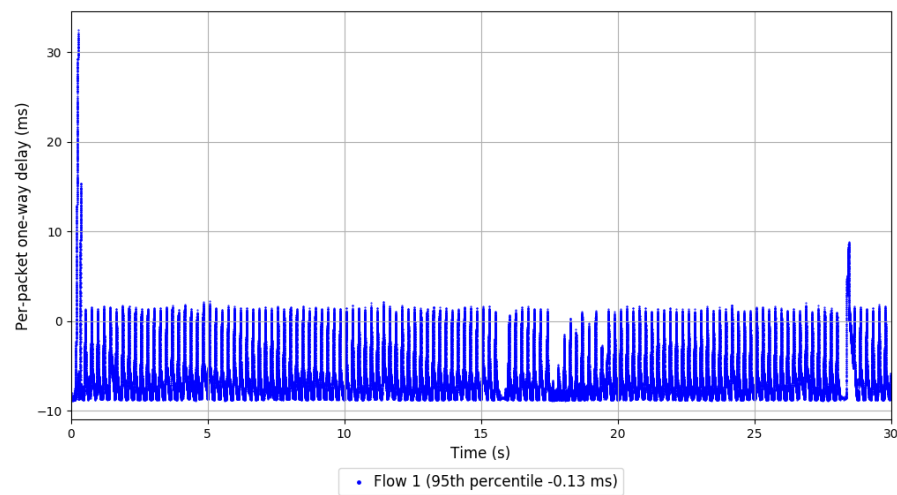
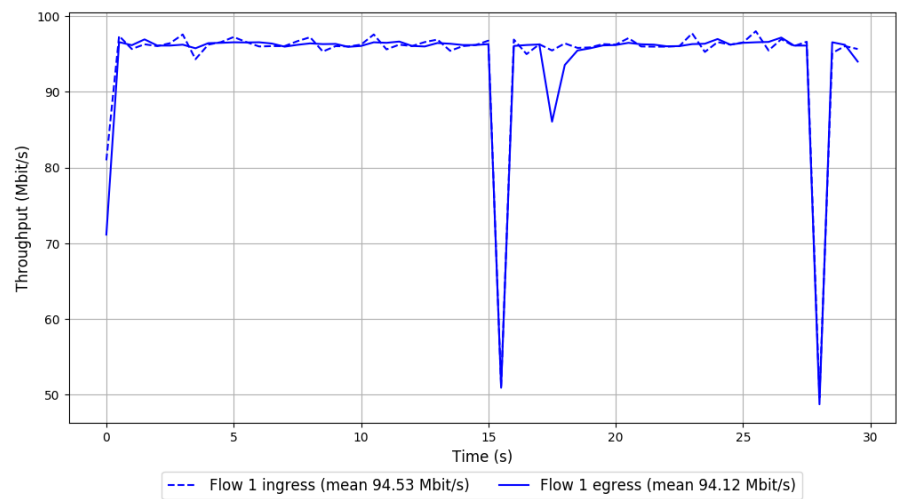


Run 5: Statistics of TCP BBR

Start at: 2018-02-01 19:25:34
End at: 2018-02-01 19:26:04
Local clock offset: 0.609 ms
Remote clock offset: -19.042 ms

Below is generated by plot.py at 2018-02-01 21:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: -0.128 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: -0.128 ms
Loss rate: 0.43%

Run 5: Report of TCP BBR — Data Link

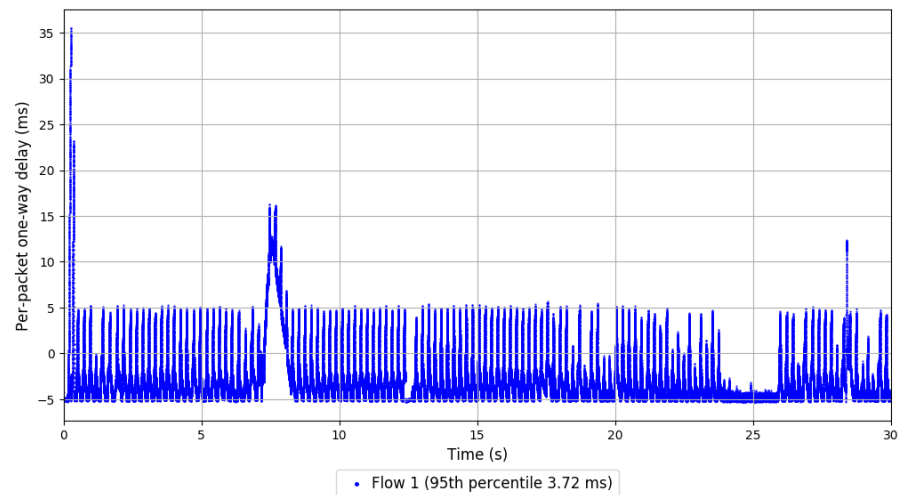
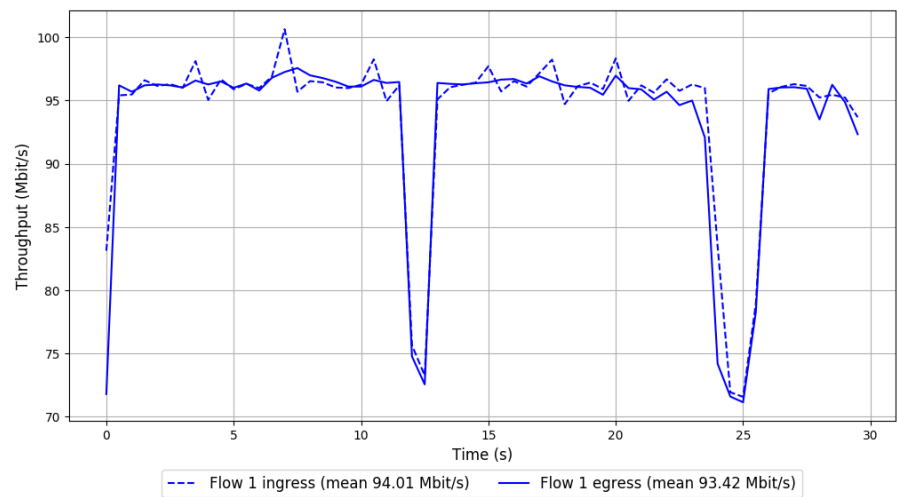


Run 6: Statistics of TCP BBR

Start at: 2018-02-01 19:47:57
End at: 2018-02-01 19:48:27
Local clock offset: -1.351 ms
Remote clock offset: -16.449 ms

Below is generated by plot.py at 2018-02-01 21:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 3.718 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 3.718 ms
Loss rate: 0.62%

Run 6: Report of TCP BBR — Data Link

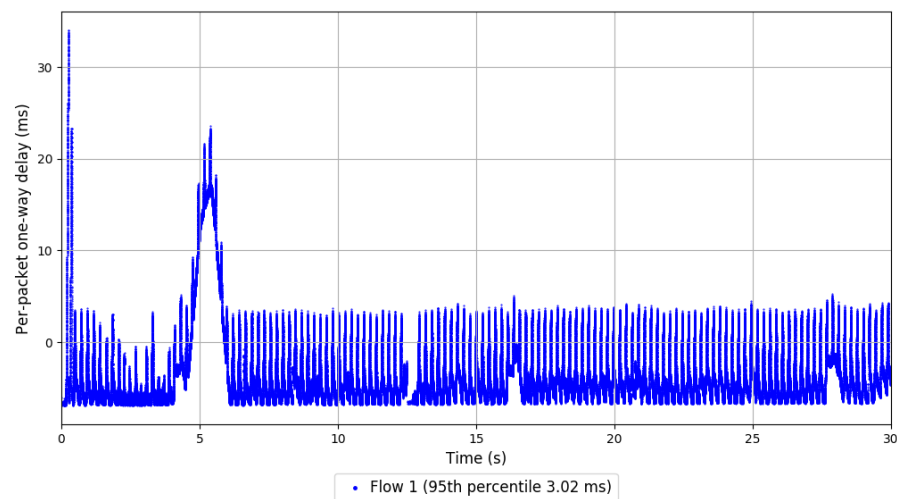
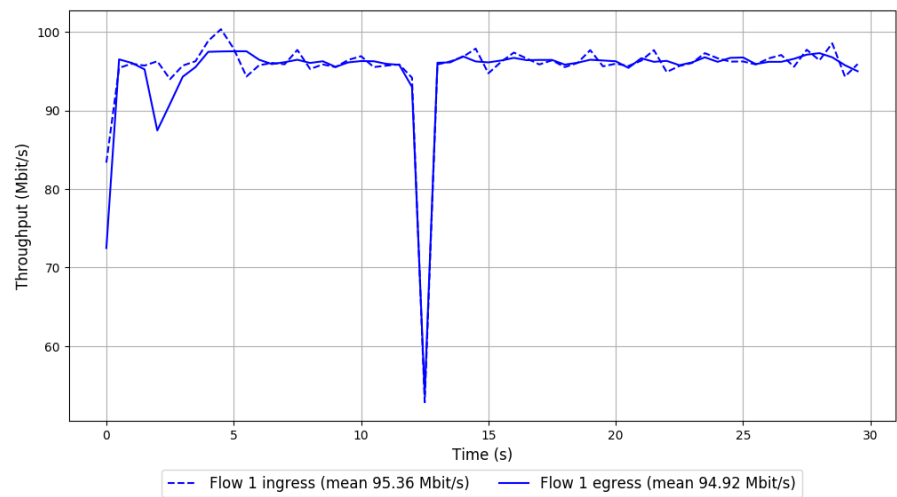


Run 7: Statistics of TCP BBR

Start at: 2018-02-01 20:10:42
End at: 2018-02-01 20:11:12
Local clock offset: -0.398 ms
Remote clock offset: -18.131 ms

Below is generated by plot.py at 2018-02-01 21:56:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 3.016 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 3.016 ms
Loss rate: 0.46%

Run 7: Report of TCP BBR — Data Link

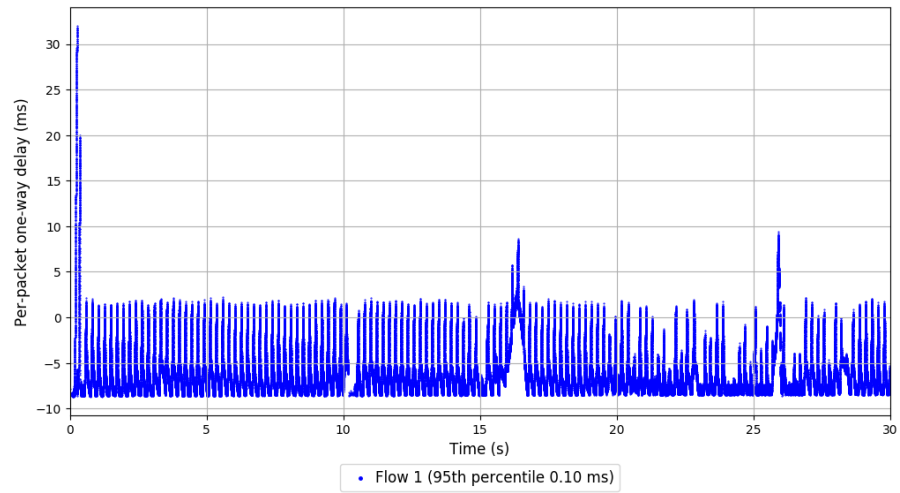
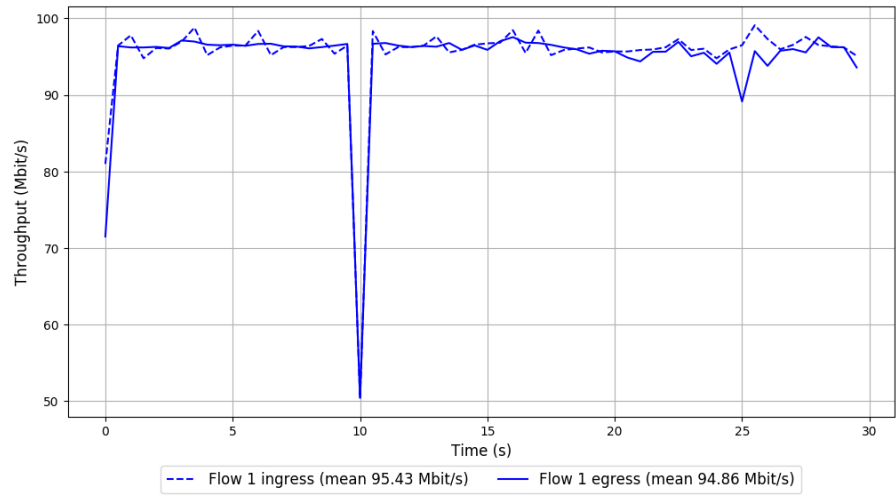


Run 8: Statistics of TCP BBR

Start at: 2018-02-01 20:33:31
End at: 2018-02-01 20:34:01
Local clock offset: 5.191 ms
Remote clock offset: -20.137 ms

Below is generated by plot.py at 2018-02-01 21:56:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 0.101 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 0.101 ms
Loss rate: 0.60%

Run 8: Report of TCP BBR — Data Link

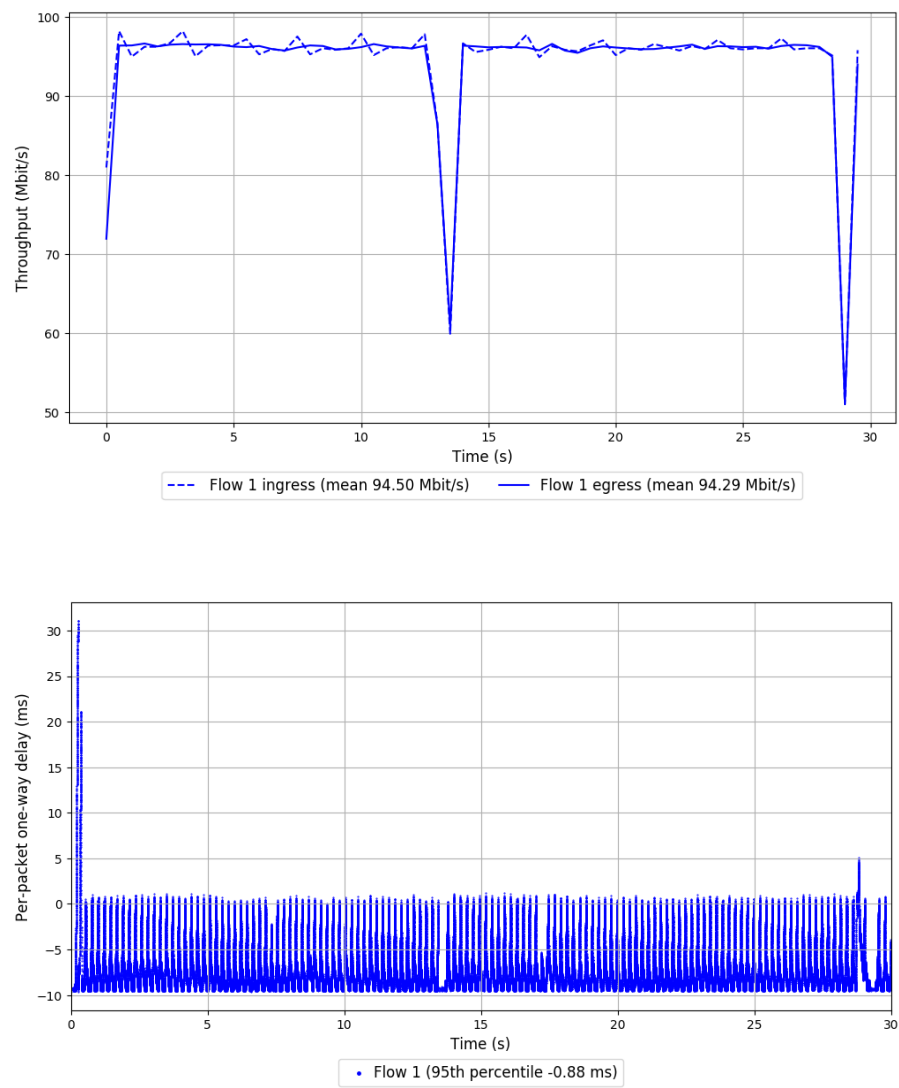


Run 9: Statistics of TCP BBR

Start at: 2018-02-01 20:56:15
End at: 2018-02-01 20:56:45
Local clock offset: 4.911 ms
Remote clock offset: -24.769 ms

Below is generated by plot.py at 2018-02-01 21:58:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: -0.878 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: -0.878 ms
Loss rate: 0.21%

Run 9: Report of TCP BBR — Data Link

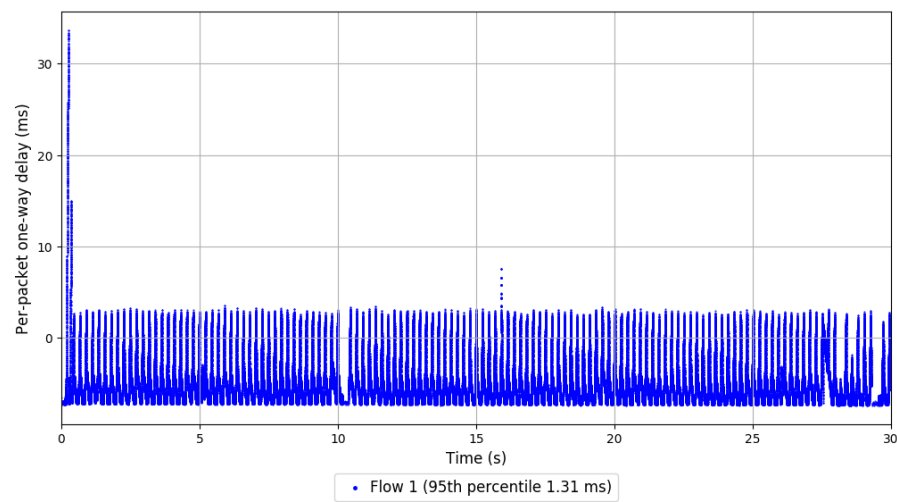
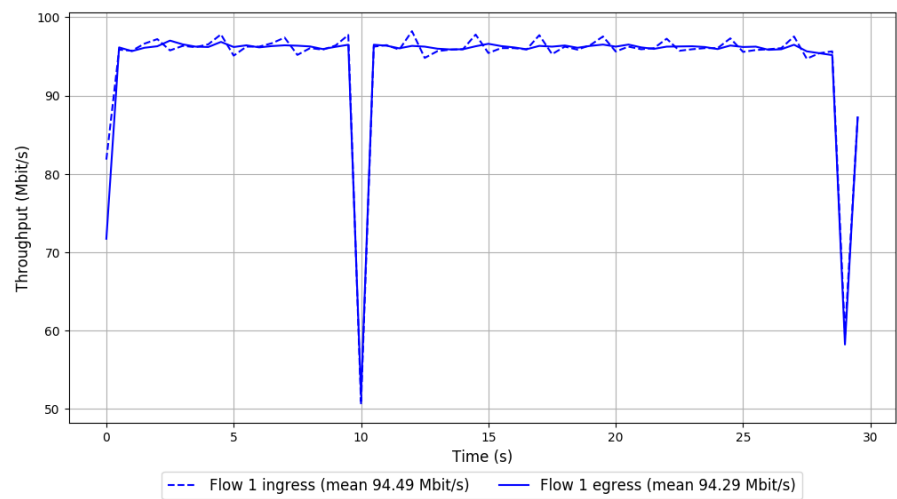


Run 10: Statistics of TCP BBR

Start at: 2018-02-01 21:19:02
End at: 2018-02-01 21:19:32
Local clock offset: 4.778 ms
Remote clock offset: -18.026 ms

Below is generated by plot.py at 2018-02-01 21:58:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.21%

Run 10: Report of TCP BBR — Data Link

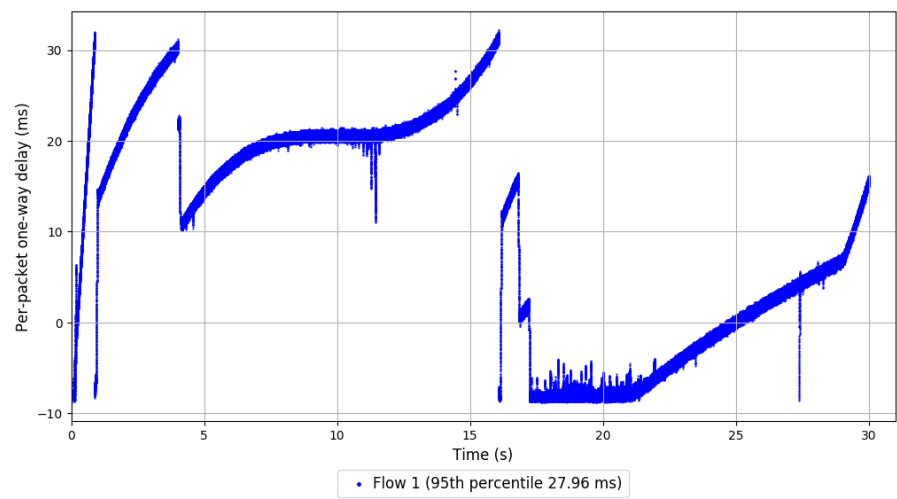
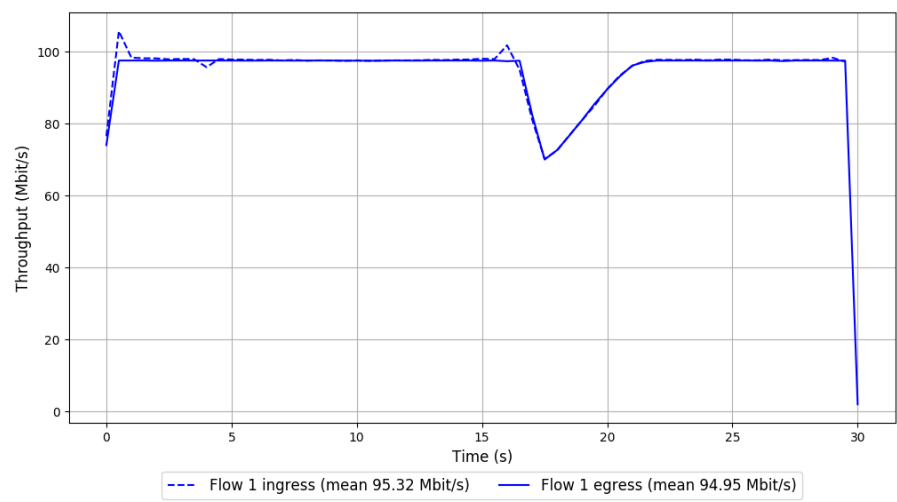


Run 1: Statistics of TCP Cubic

Start at: 2018-02-01 17:47:56
End at: 2018-02-01 17:48:26
Local clock offset: 2.157 ms
Remote clock offset: -20.655 ms

Below is generated by plot.py at 2018-02-01 21:58:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 27.962 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 27.962 ms
Loss rate: 0.31%

Run 1: Report of TCP Cubic — Data Link

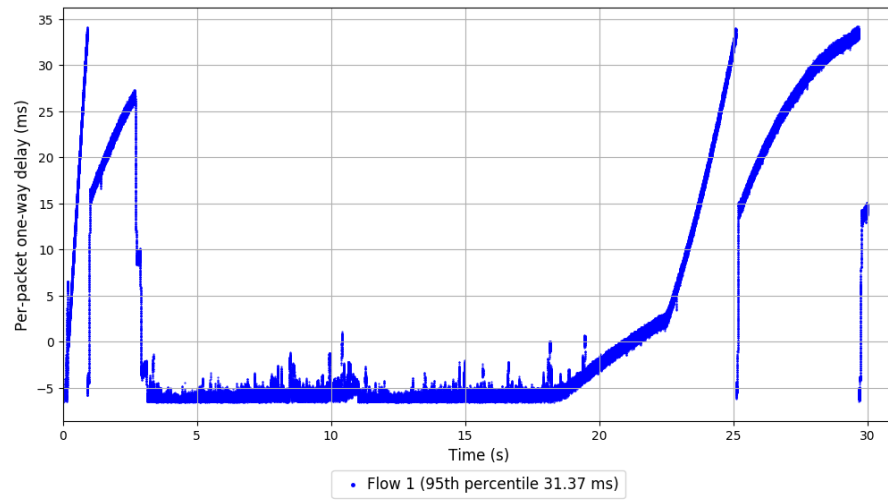
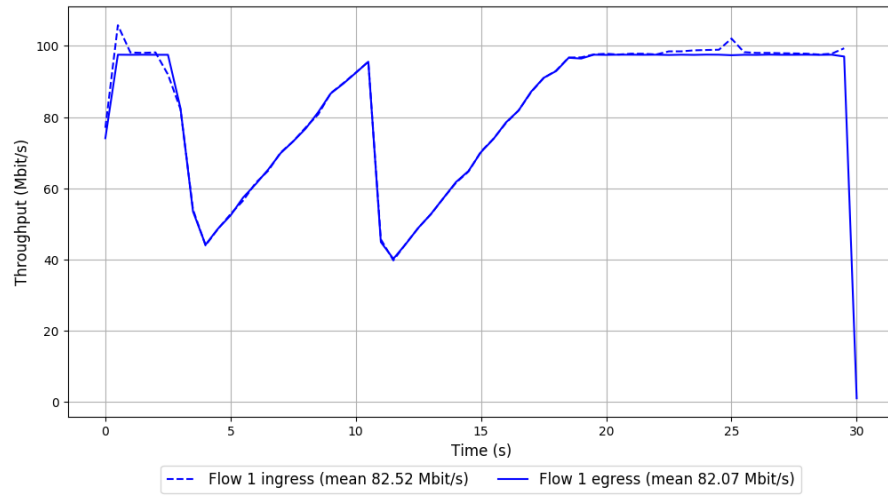


Run 2: Statistics of TCP Cubic

Start at: 2018-02-01 18:10:52
End at: 2018-02-01 18:11:22
Local clock offset: 0.433 ms
Remote clock offset: -21.151 ms

Below is generated by plot.py at 2018-02-01 21:58:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.07 Mbit/s
95th percentile per-packet one-way delay: 31.370 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 82.07 Mbit/s
95th percentile per-packet one-way delay: 31.370 ms
Loss rate: 0.48%

Run 2: Report of TCP Cubic — Data Link

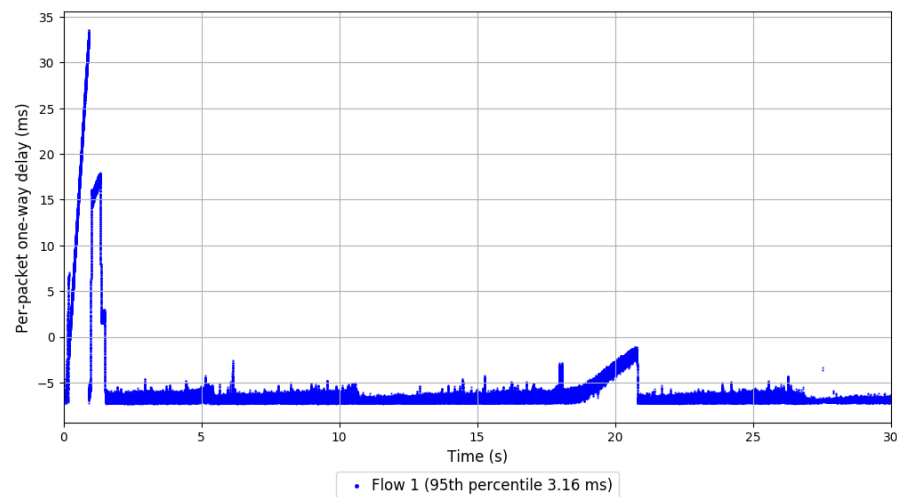
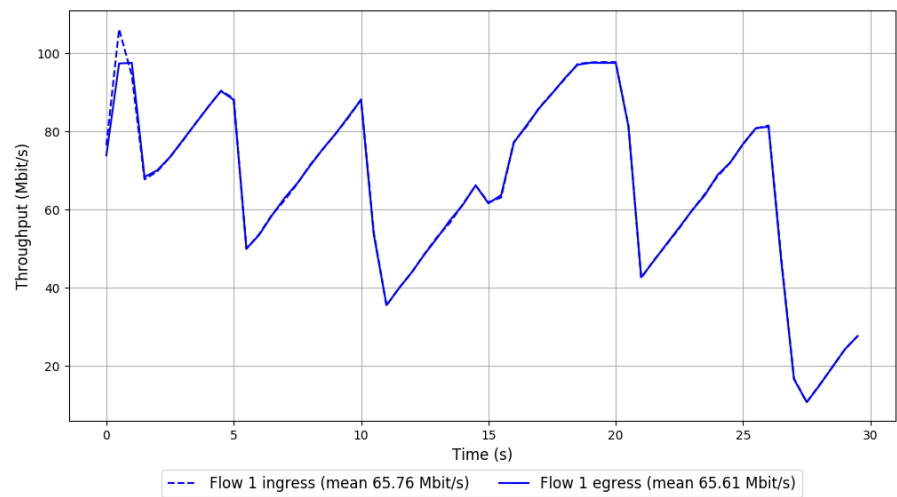


Run 3: Statistics of TCP Cubic

Start at: 2018-02-01 18:33:31
End at: 2018-02-01 18:34:01
Local clock offset: 2.417 ms
Remote clock offset: -23.89 ms

Below is generated by plot.py at 2018-02-01 21:58:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.61 Mbit/s
95th percentile per-packet one-way delay: 3.159 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 65.61 Mbit/s
95th percentile per-packet one-way delay: 3.159 ms
Loss rate: 0.22%

Run 3: Report of TCP Cubic — Data Link

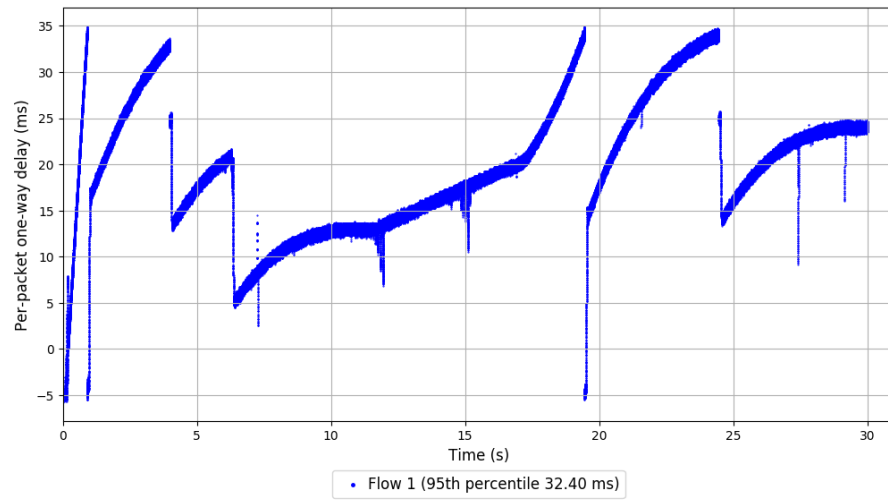
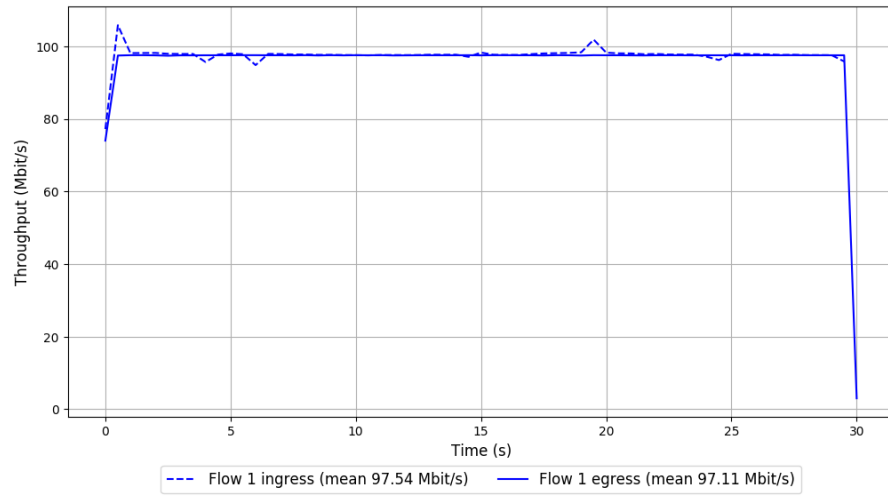


Run 4: Statistics of TCP Cubic

Start at: 2018-02-01 18:56:00
End at: 2018-02-01 18:56:30
Local clock offset: 1.131 ms
Remote clock offset: -20.642 ms

Below is generated by plot.py at 2018-02-01 21:58:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.397 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.397 ms
Loss rate: 0.33%

Run 4: Report of TCP Cubic — Data Link

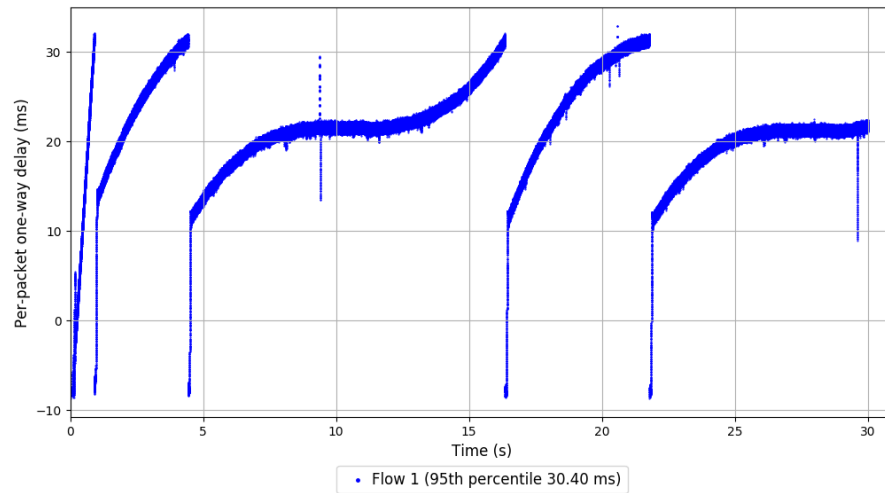
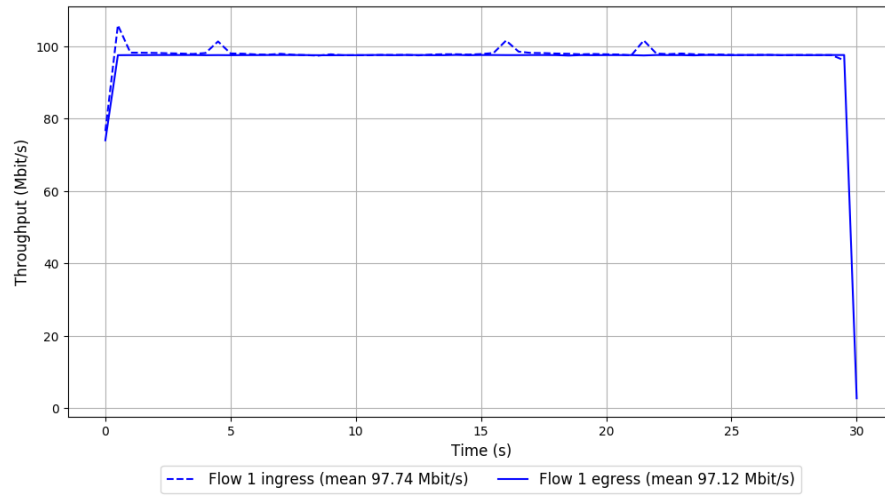


Run 5: Statistics of TCP Cubic

Start at: 2018-02-01 19:18:27
End at: 2018-02-01 19:18:57
Local clock offset: 2.044 ms
Remote clock offset: -17.852 ms

Below is generated by plot.py at 2018-02-01 21:58:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 30.404 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 30.404 ms
Loss rate: 0.53%

Run 5: Report of TCP Cubic — Data Link

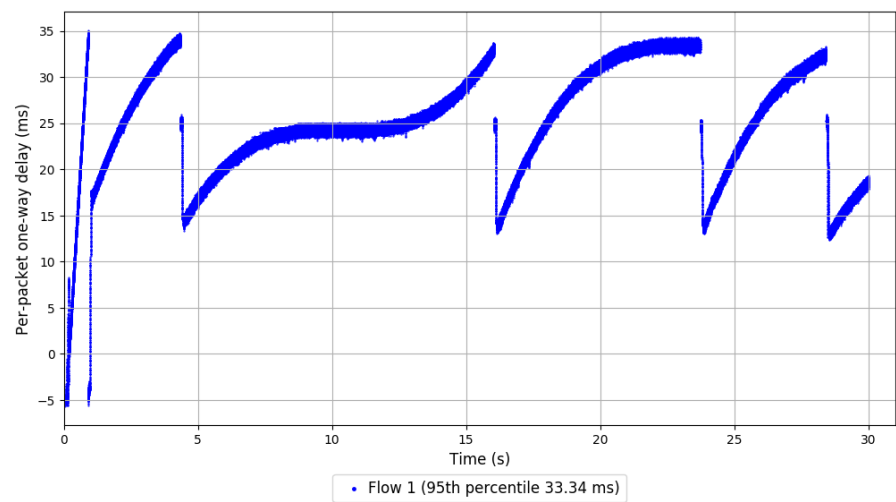
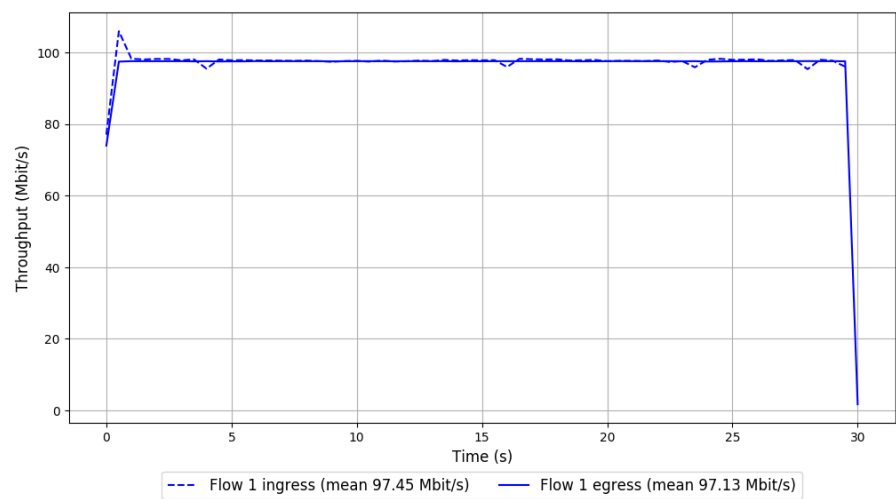


Run 6: Statistics of TCP Cubic

Start at: 2018-02-01 19:40:41
End at: 2018-02-01 19:41:12
Local clock offset: -1.822 ms
Remote clock offset: -17.771 ms

Below is generated by plot.py at 2018-02-01 21:58:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 33.339 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 33.339 ms
Loss rate: 0.25%

Run 6: Report of TCP Cubic — Data Link

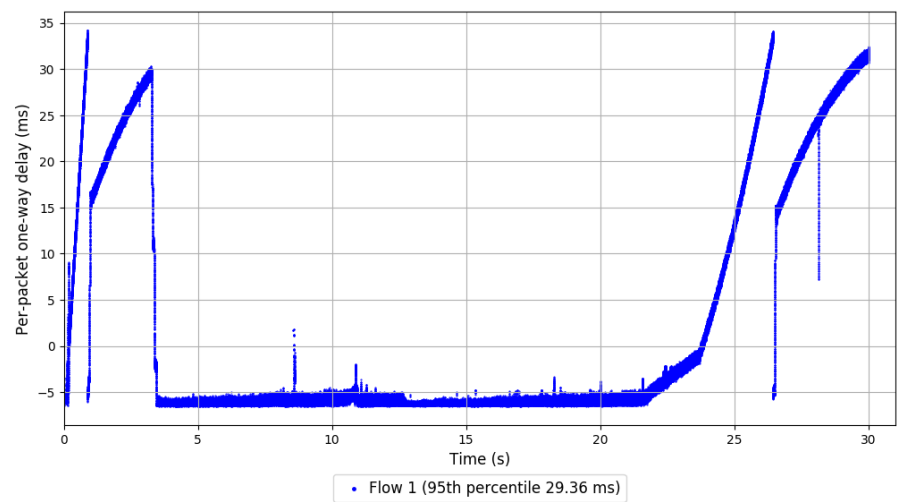
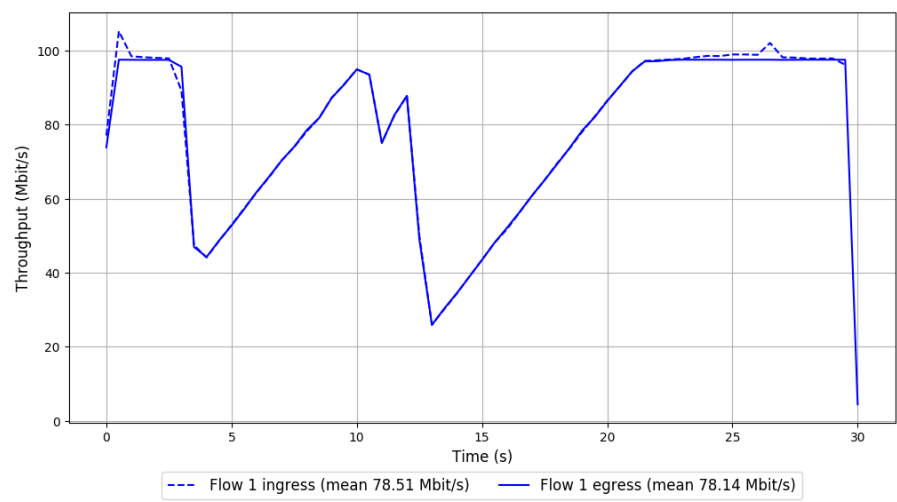


Run 7: Statistics of TCP Cubic

Start at: 2018-02-01 20:03:19
End at: 2018-02-01 20:03:49
Local clock offset: -1.805 ms
Remote clock offset: -18.606 ms

Below is generated by plot.py at 2018-02-01 21:58:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.14 Mbit/s
95th percentile per-packet one-way delay: 29.357 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 78.14 Mbit/s
95th percentile per-packet one-way delay: 29.357 ms
Loss rate: 0.34%

Run 7: Report of TCP Cubic — Data Link

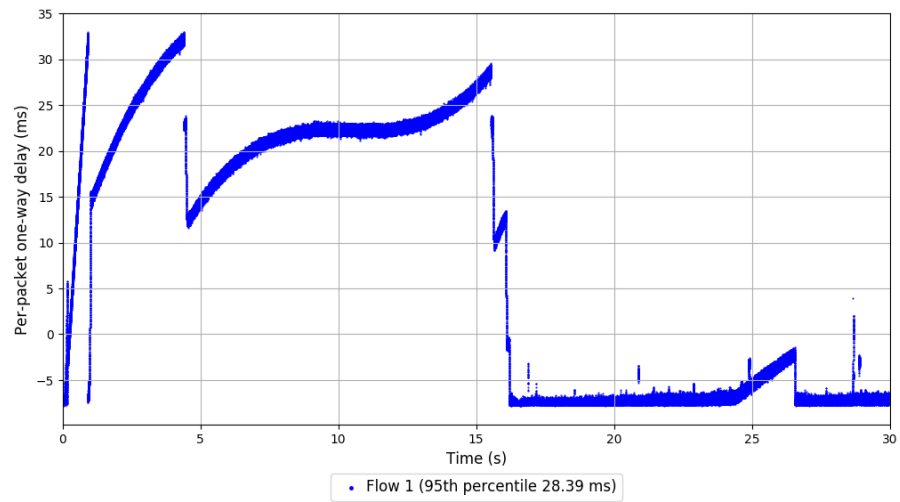
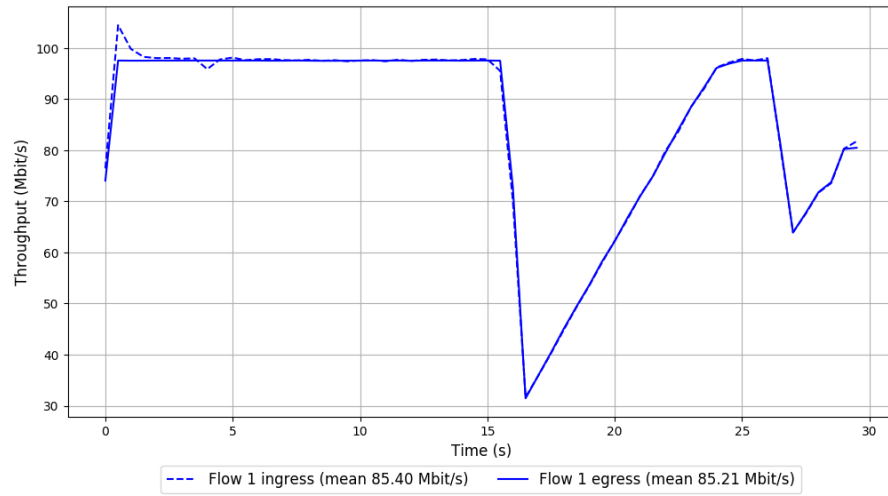


Run 8: Statistics of TCP Cubic

Start at: 2018-02-01 20:26:07
End at: 2018-02-01 20:26:37
Local clock offset: 3.124 ms
Remote clock offset: -19.243 ms

Below is generated by plot.py at 2018-02-01 21:59:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 28.385 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 28.385 ms
Loss rate: 0.22%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

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

End at: 2018-02-01 20:49:32

Local clock offset: 5.342 ms

Remote clock offset: -23.2 ms

Below is generated by plot.py at 2018-02-01 21:59:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 30.042 ms

Loss rate: 0.53%

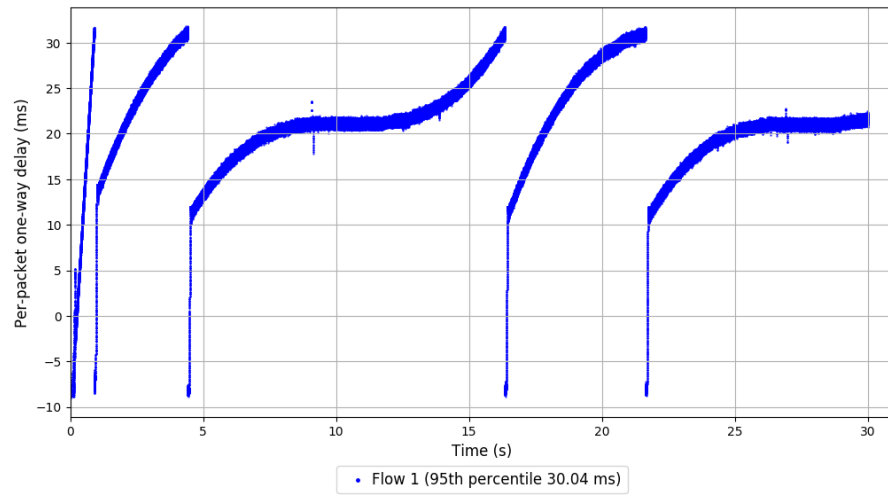
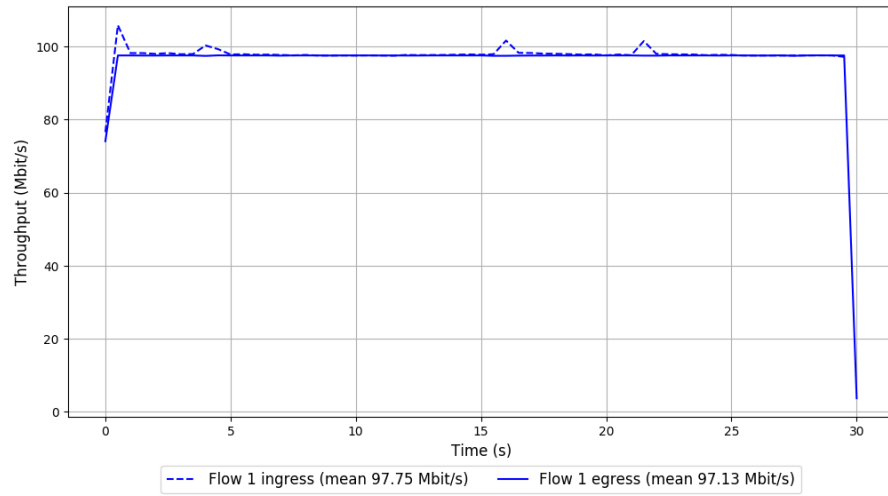
-- Flow 1:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 30.042 ms

Loss rate: 0.53%

Run 9: Report of TCP Cubic — Data Link

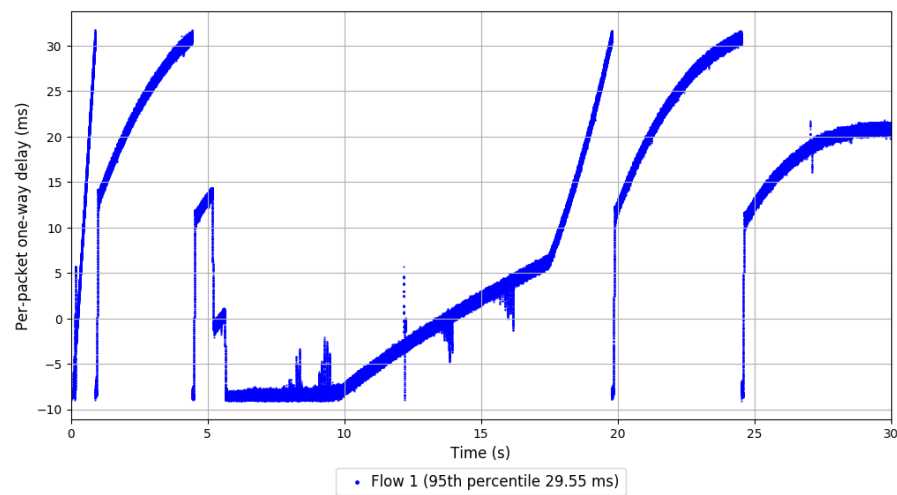
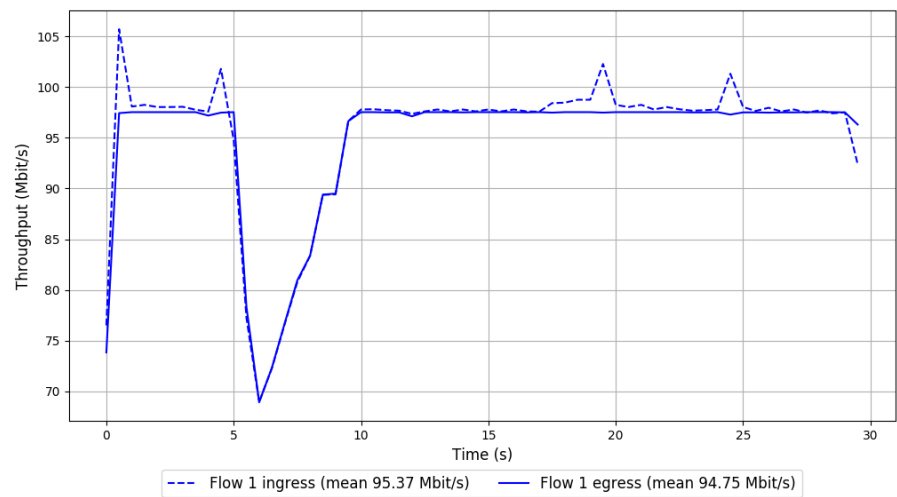


Run 10: Statistics of TCP Cubic

Start at: 2018-02-01 21:11:49
End at: 2018-02-01 21:12:19
Local clock offset: 5.878 ms
Remote clock offset: -20.116 ms

Below is generated by plot.py at 2018-02-01 21:59:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 29.548 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 29.548 ms
Loss rate: 0.55%

Run 10: Report of TCP Cubic — Data Link

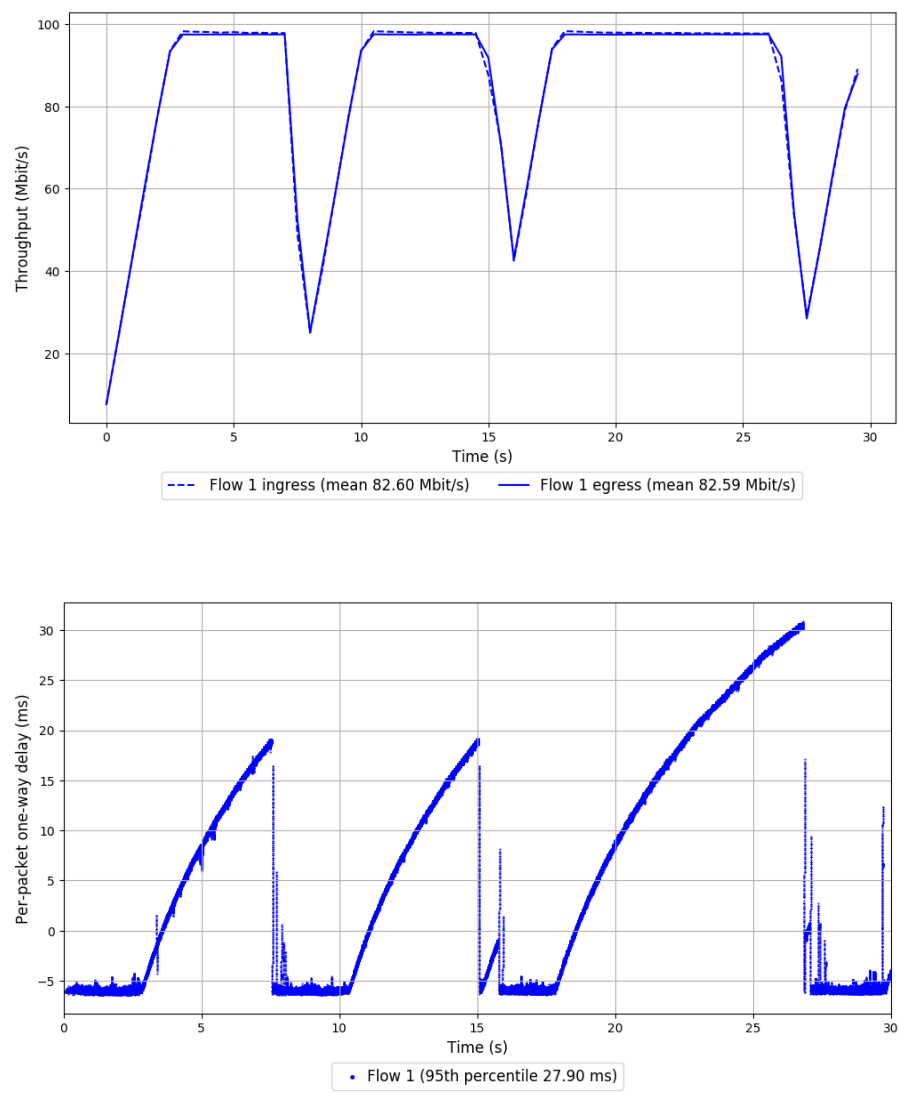


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-01 17:54:04
End at: 2018-02-01 17:54:34
Local clock offset: 2.113 ms
Remote clock offset: -18.327 ms

# Below is generated by plot.py at 2018-02-01 21:59:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 27.904 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 27.904 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

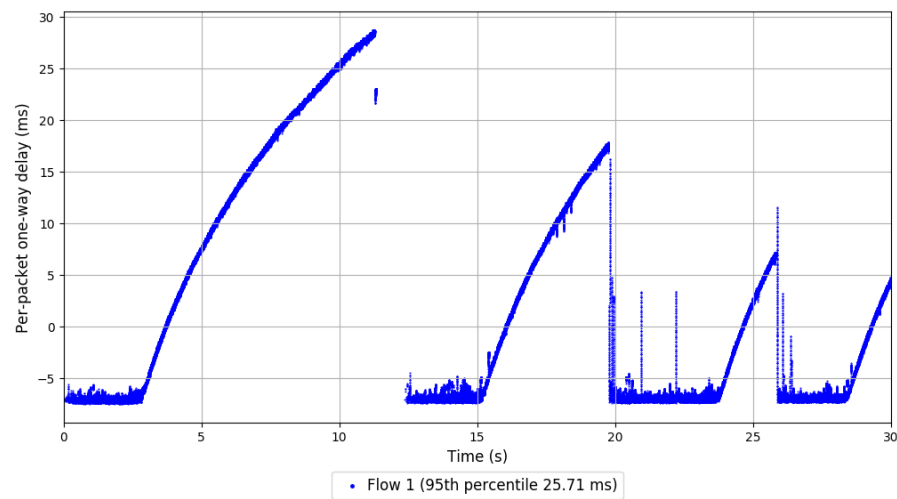
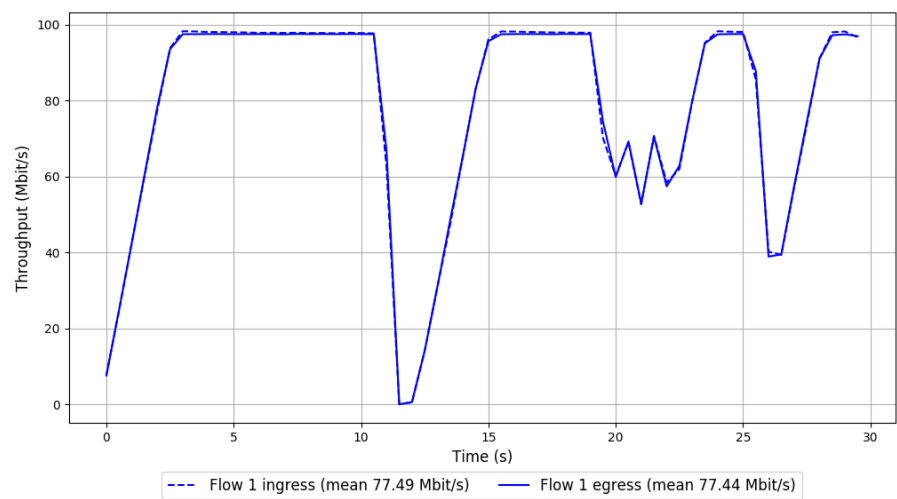


Run 2: Statistics of LEDBAT

Start at: 2018-02-01 18:16:51
End at: 2018-02-01 18:17:21
Local clock offset: 1.726 ms
Remote clock offset: -22.092 ms

Below is generated by plot.py at 2018-02-01 21:59:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 25.715 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 25.715 ms
Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link

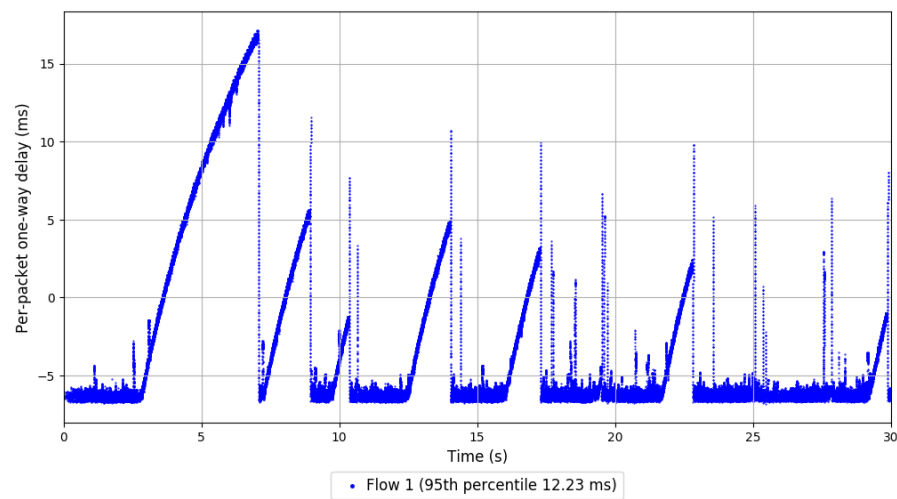
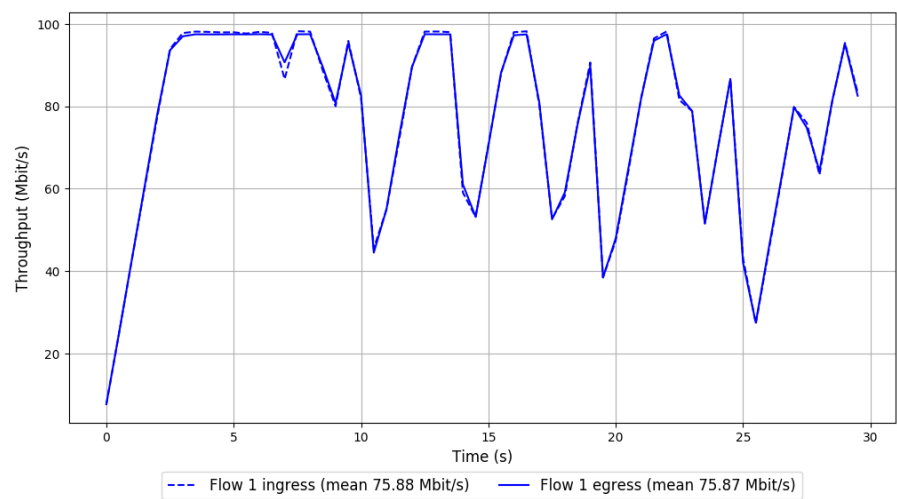


Run 3: Statistics of LEDBAT

Start at: 2018-02-01 18:39:36
End at: 2018-02-01 18:40:06
Local clock offset: 1.383 ms
Remote clock offset: -24.879 ms

Below is generated by plot.py at 2018-02-01 21:59:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.87 Mbit/s
95th percentile per-packet one-way delay: 12.232 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.87 Mbit/s
95th percentile per-packet one-way delay: 12.232 ms
Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

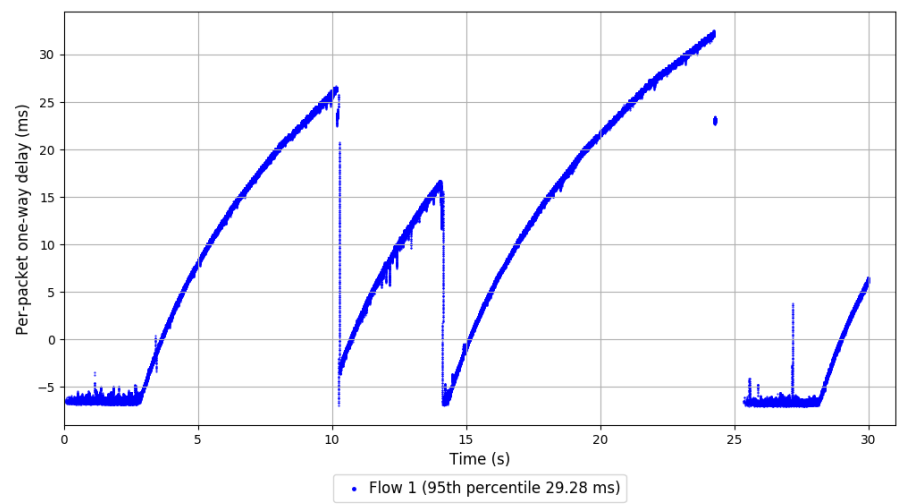
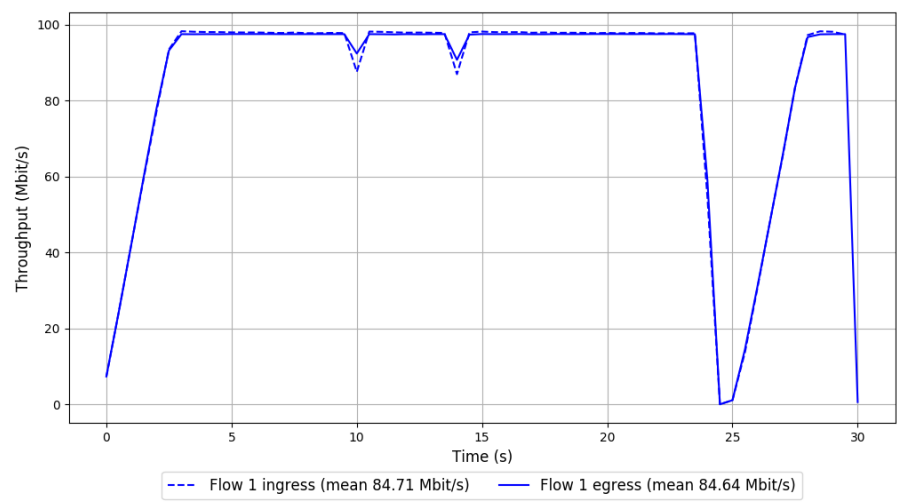


Run 4: Statistics of LEDBAT

Start at: 2018-02-01 19:02:01
End at: 2018-02-01 19:02:31
Local clock offset: 1.808 ms
Remote clock offset: -19.837 ms

Below is generated by plot.py at 2018-02-01 21:59:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 29.283 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 29.283 ms
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link

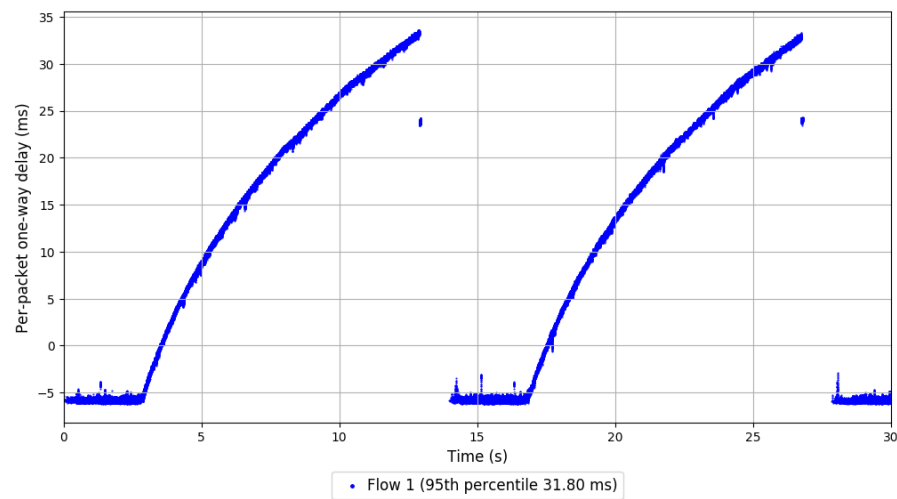
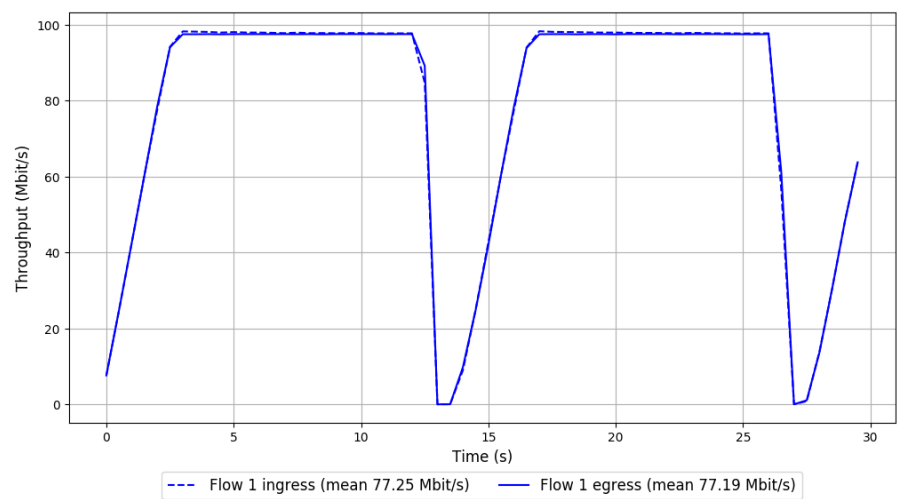


Run 5: Statistics of LEDBAT

Start at: 2018-02-01 19:24:23
End at: 2018-02-01 19:24:53
Local clock offset: -0.766 ms
Remote clock offset: -17.781 ms

Below is generated by plot.py at 2018-02-01 21:59:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 31.804 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 31.804 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

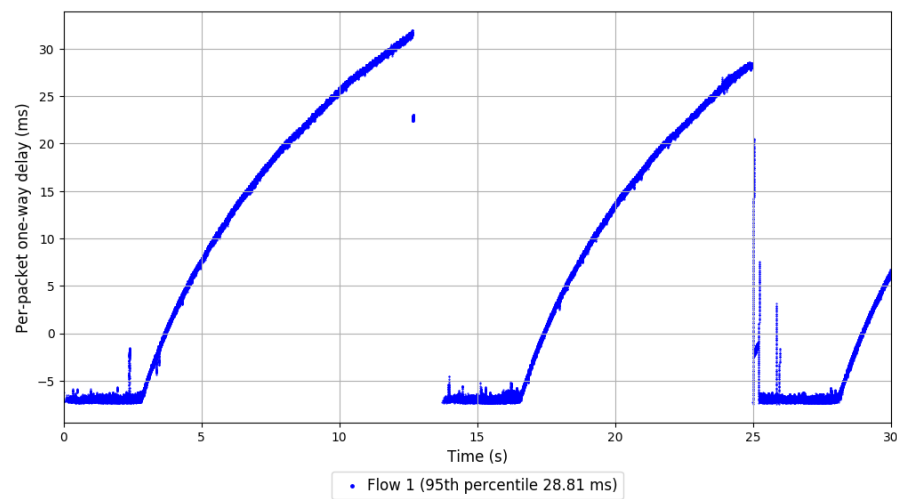
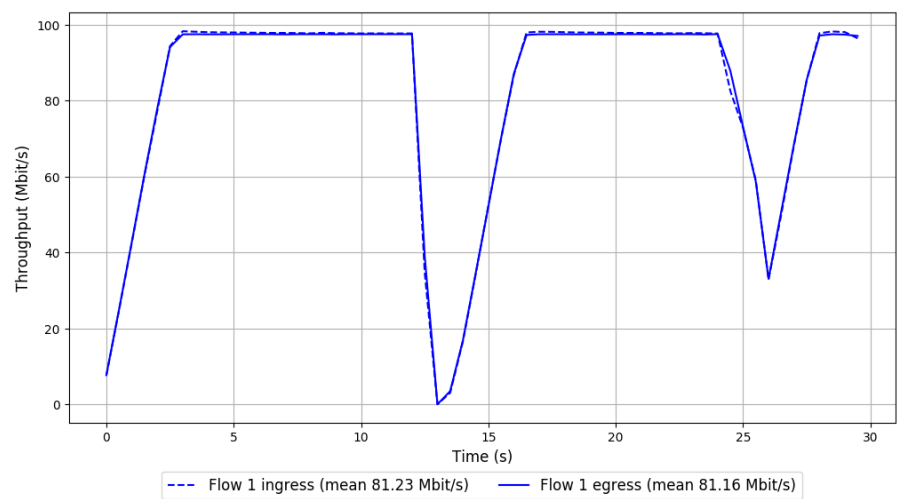


Run 6: Statistics of LEDBAT

Start at: 2018-02-01 19:46:43
End at: 2018-02-01 19:47:13
Local clock offset: -1.087 ms
Remote clock offset: -18.369 ms

Below is generated by plot.py at 2018-02-01 22:00:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.16 Mbit/s
95th percentile per-packet one-way delay: 28.810 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 81.16 Mbit/s
95th percentile per-packet one-way delay: 28.810 ms
Loss rate: 0.04%

Run 6: Report of LEDBAT — Data Link

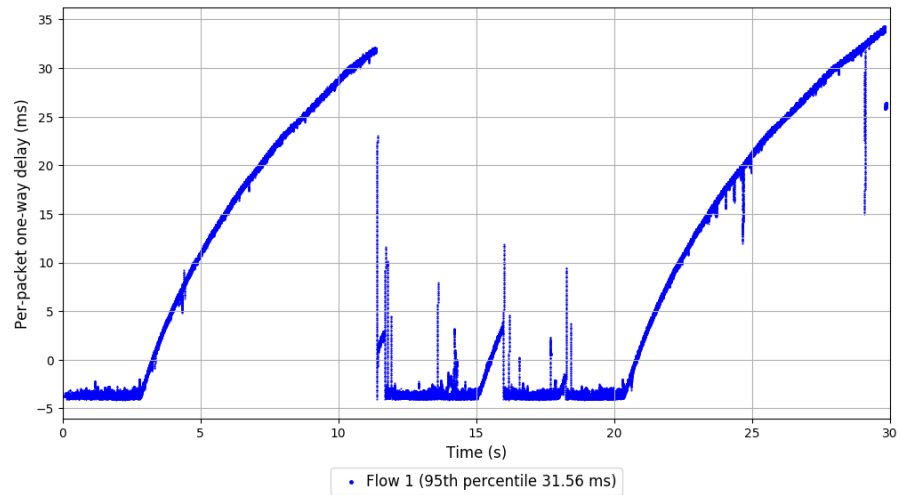
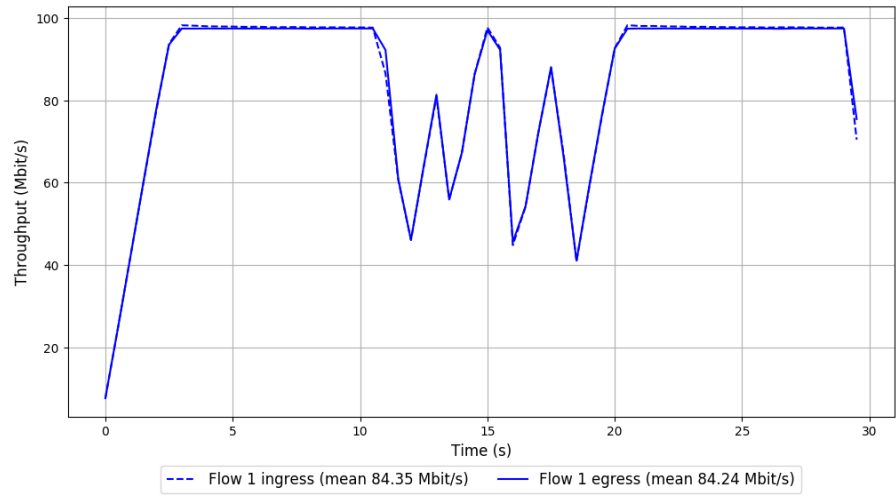


Run 7: Statistics of LEDBAT

Start at: 2018-02-01 20:09:28
End at: 2018-02-01 20:09:58
Local clock offset: -2.609 ms
Remote clock offset: -17.178 ms

Below is generated by plot.py at 2018-02-01 22:00:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 31.559 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 31.559 ms
Loss rate: 0.04%

Run 7: Report of LEDBAT — Data Link

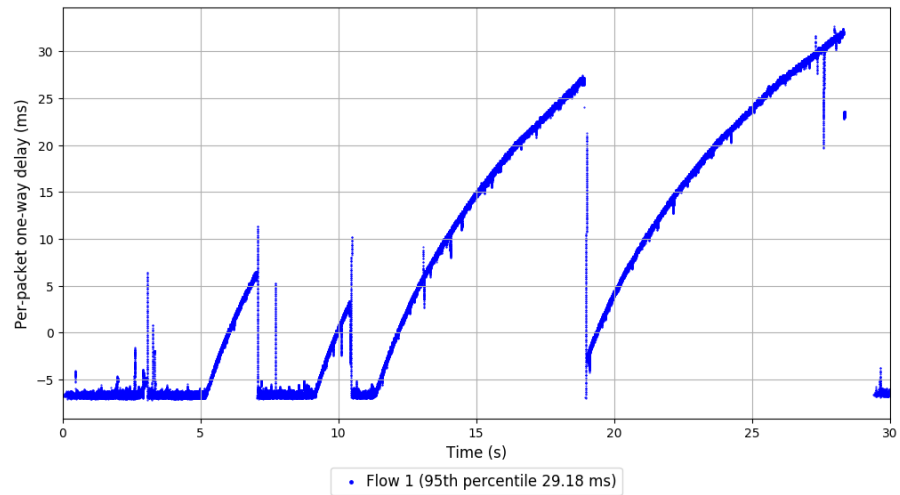
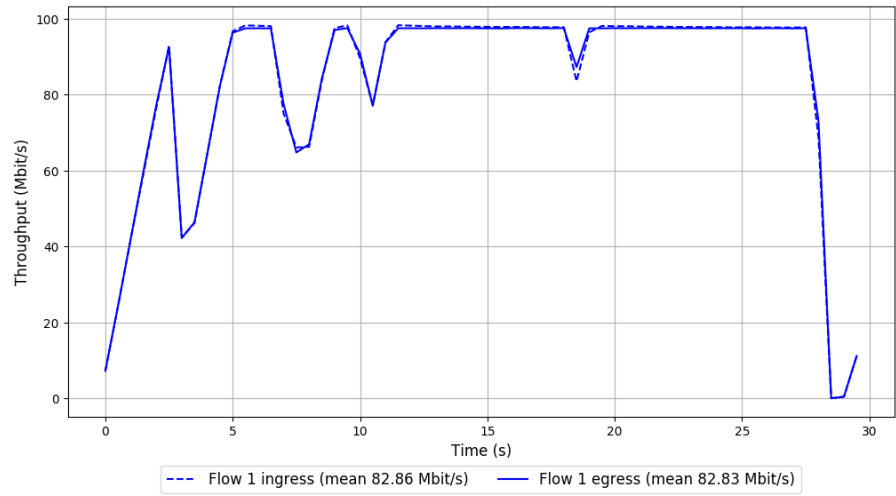


Run 8: Statistics of LEDBAT

Start at: 2018-02-01 20:32:12
End at: 2018-02-01 20:32:42
Local clock offset: 3.662 ms
Remote clock offset: -19.588 ms

Below is generated by plot.py at 2018-02-01 22:00:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.83 Mbit/s
95th percentile per-packet one-way delay: 29.176 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 82.83 Mbit/s
95th percentile per-packet one-way delay: 29.176 ms
Loss rate: 0.04%

Run 8: Report of LEDBAT — Data Link

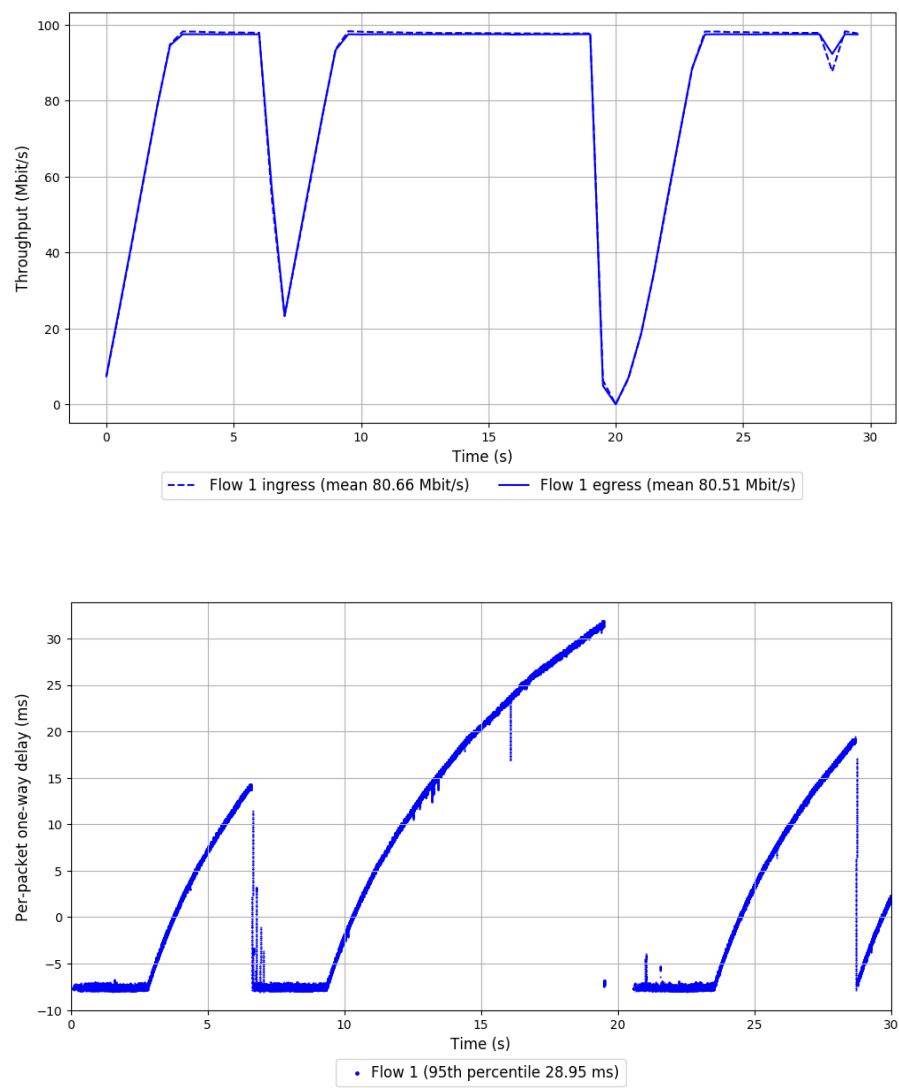


Run 9: Statistics of LEDBAT

Start at: 2018-02-01 20:55:02
End at: 2018-02-01 20:55:32
Local clock offset: 4.144 ms
Remote clock offset: -23.744 ms

Below is generated by plot.py at 2018-02-01 22:00:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 28.945 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 28.945 ms
Loss rate: 0.16%

Run 9: Report of LEDBAT — Data Link

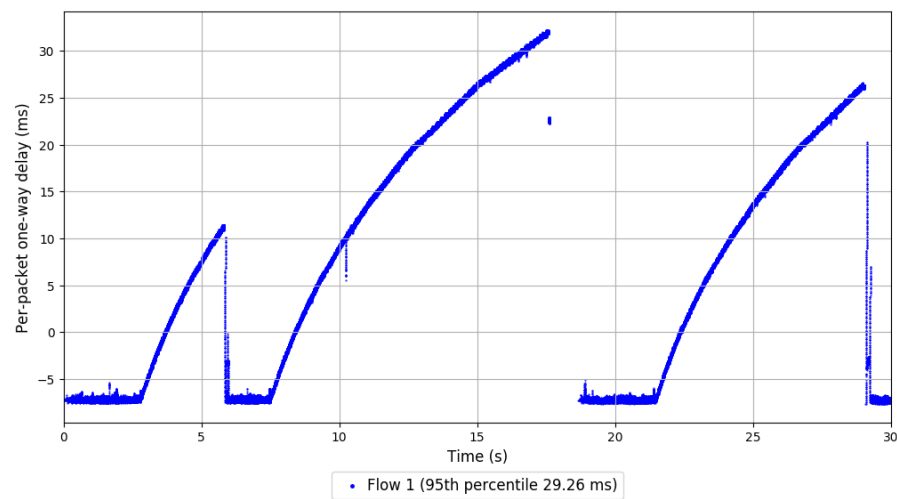
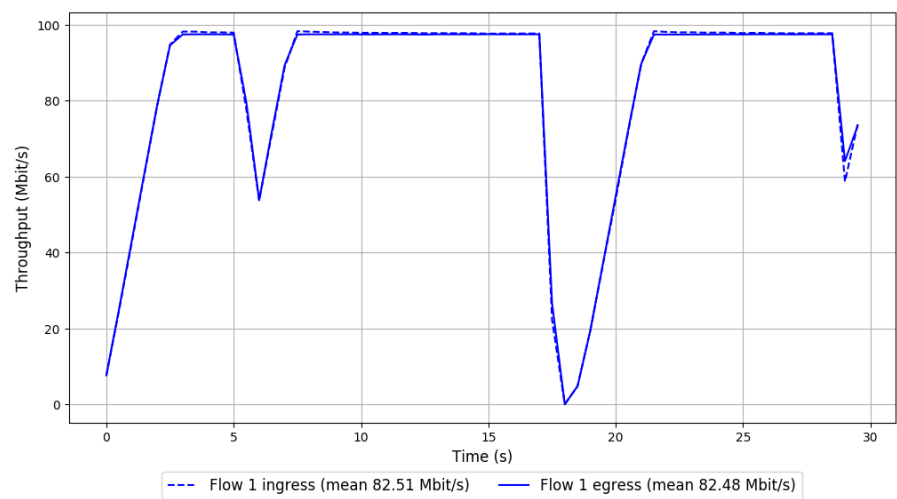


Run 10: Statistics of LEDBAT

Start at: 2018-02-01 21:17:51
End at: 2018-02-01 21:18:21
Local clock offset: 4.29 ms
Remote clock offset: -18.955 ms

Below is generated by plot.py at 2018-02-01 22:00:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 29.260 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 29.260 ms
Loss rate: 0.04%

Run 10: Report of LEDBAT — Data Link

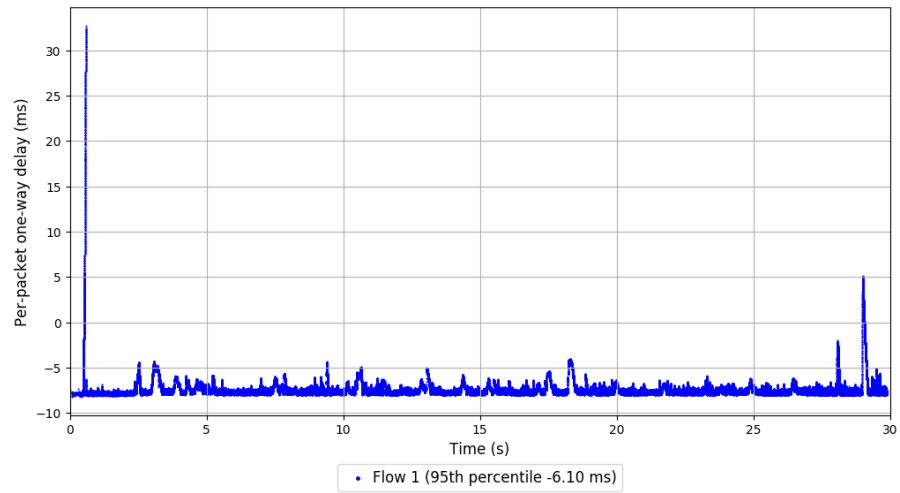
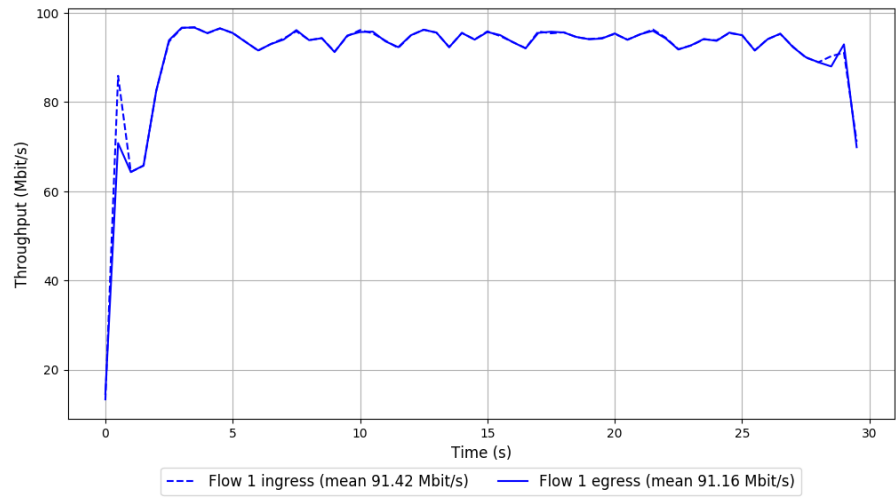


Run 1: Statistics of PCC

Start at: 2018-02-01 17:40:34
End at: 2018-02-01 17:41:04
Local clock offset: 2.998 ms
Remote clock offset: -19.633 ms

Below is generated by plot.py at 2018-02-01 22:00:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: -6.099 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: -6.099 ms
Loss rate: 0.28%

Run 1: Report of PCC — Data Link

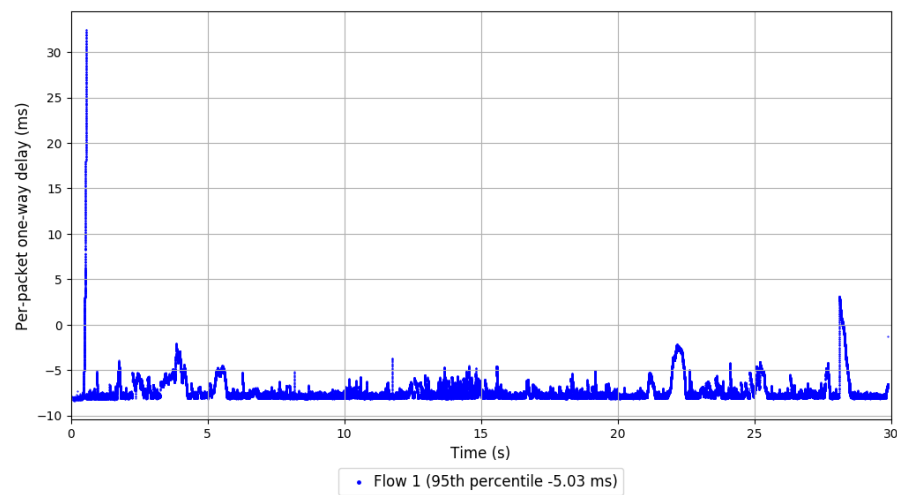
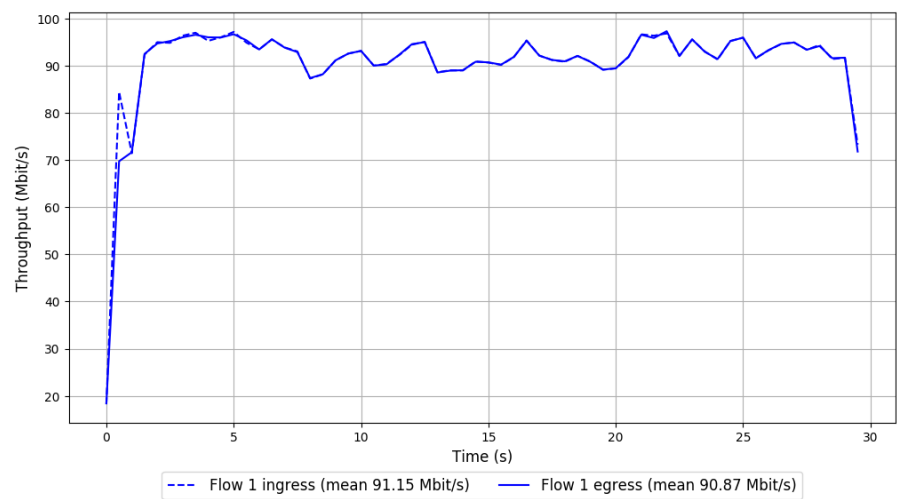


Run 2: Statistics of PCC

Start at: 2018-02-01 18:03:30
End at: 2018-02-01 18:04:00
Local clock offset: 3.024 ms
Remote clock offset: -19.938 ms

Below is generated by plot.py at 2018-02-01 22:00:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: -5.027 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: -5.027 ms
Loss rate: 0.29%

Run 2: Report of PCC — Data Link

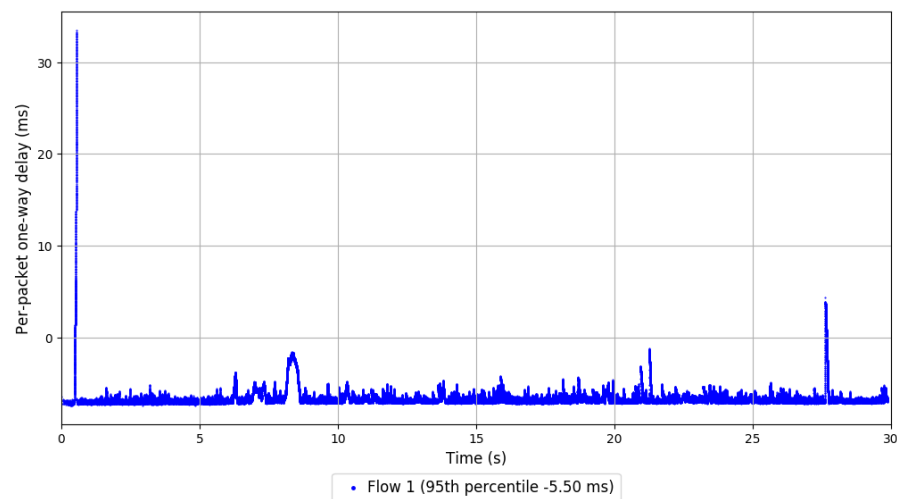
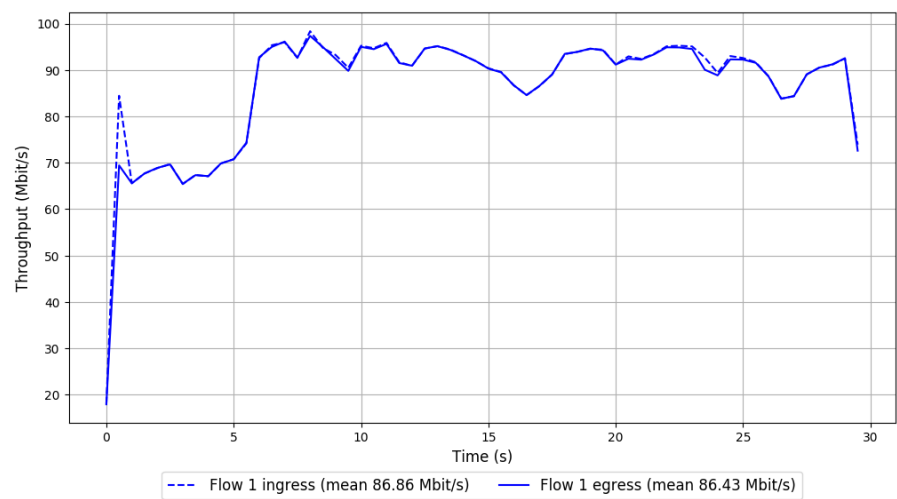


Run 3: Statistics of PCC

Start at: 2018-02-01 18:26:13
End at: 2018-02-01 18:26:43
Local clock offset: 1.522 ms
Remote clock offset: -23.885 ms

Below is generated by plot.py at 2018-02-01 22:01:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: -5.504 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: -5.504 ms
Loss rate: 0.50%

Run 3: Report of PCC — Data Link

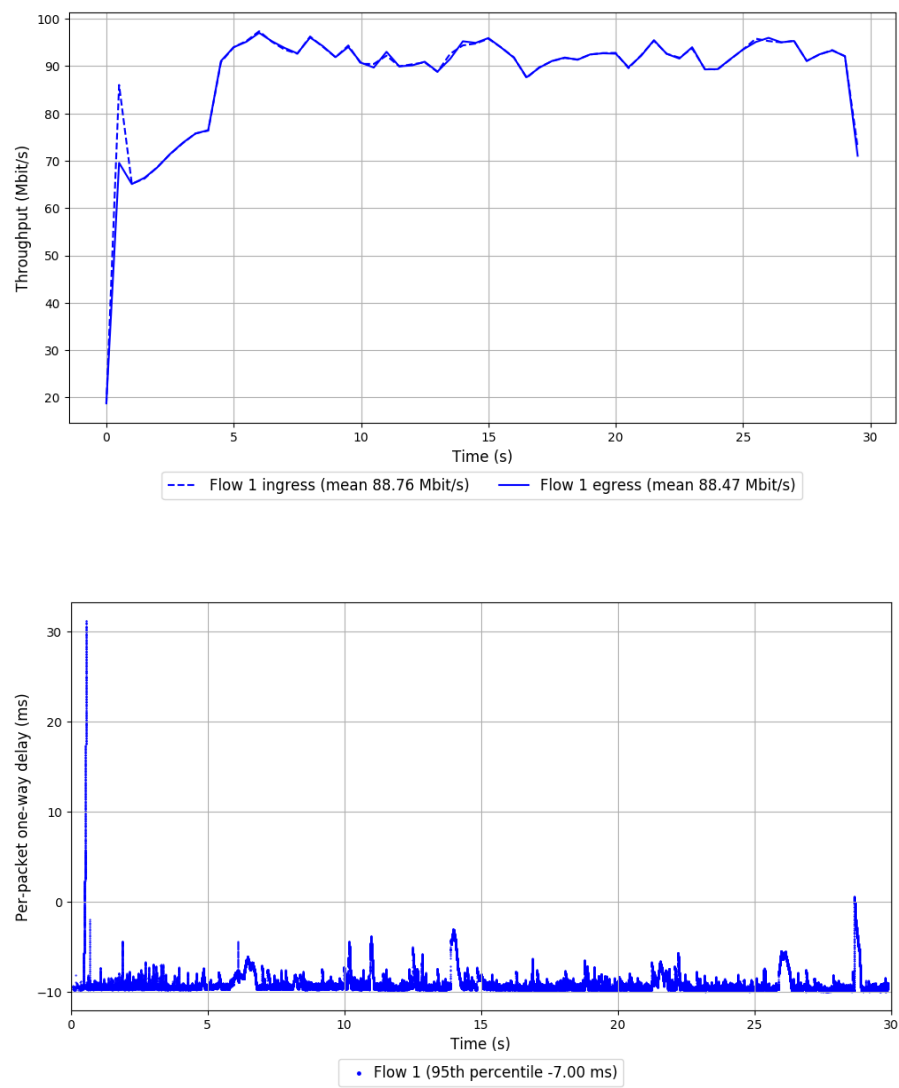


Run 4: Statistics of PCC

Start at: 2018-02-01 18:48:53
End at: 2018-02-01 18:49:23
Local clock offset: 4.184 ms
Remote clock offset: -24.506 ms

Below is generated by plot.py at 2018-02-01 22:01:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: -6.995 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: -6.995 ms
Loss rate: 0.33%

Run 4: Report of PCC — Data Link

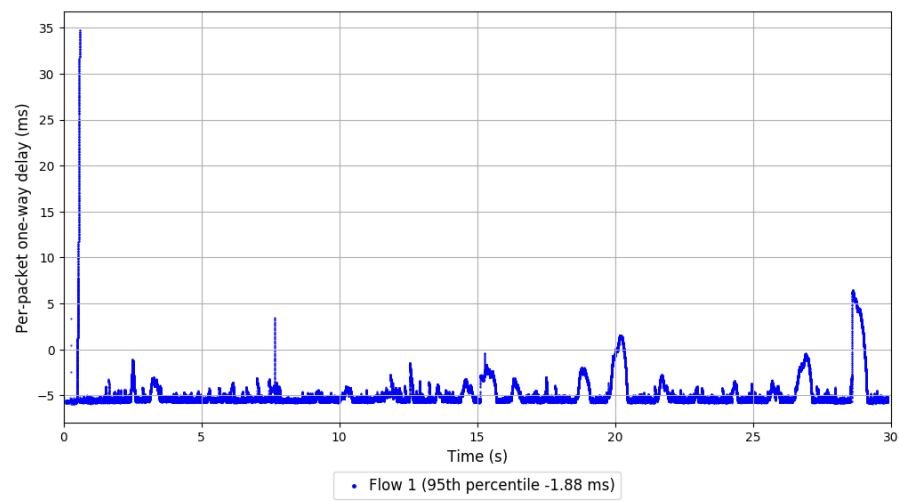
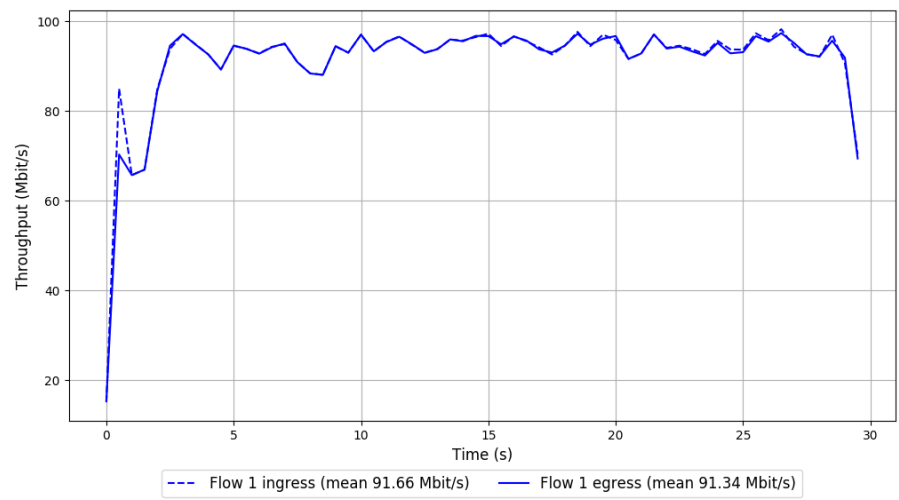


Run 5: Statistics of PCC

Start at: 2018-02-01 19:11:13
End at: 2018-02-01 19:11:43
Local clock offset: 0.229 ms
Remote clock offset: -17.789 ms

Below is generated by plot.py at 2018-02-01 22:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: -1.882 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: -1.882 ms
Loss rate: 0.35%

Run 5: Report of PCC — Data Link

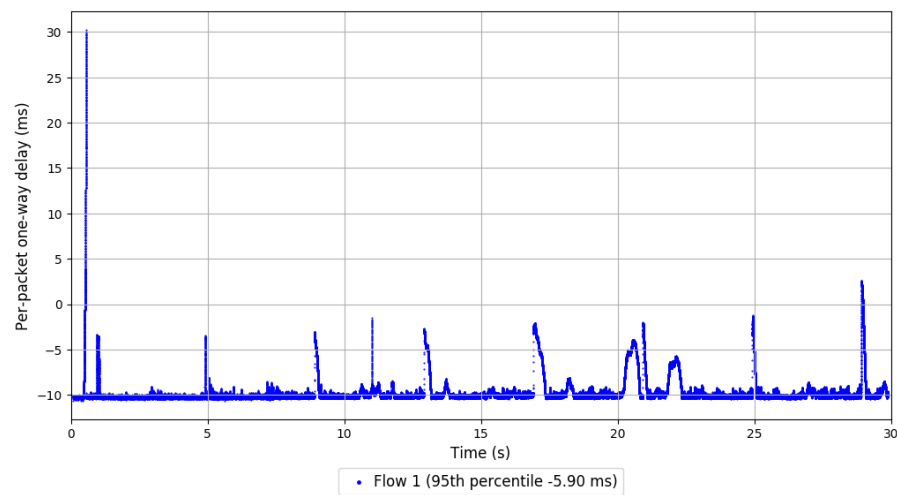
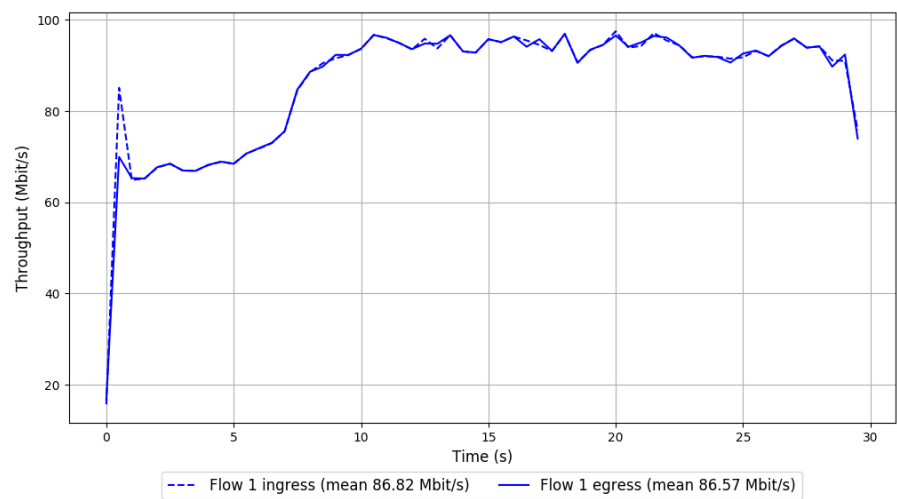


Run 6: Statistics of PCC

Start at: 2018-02-01 19:33:35
End at: 2018-02-01 19:34:05
Local clock offset: 0.846 ms
Remote clock offset: -20.094 ms

Below is generated by plot.py at 2018-02-01 22:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: -5.897 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: -5.897 ms
Loss rate: 0.29%

Run 6: Report of PCC — Data Link

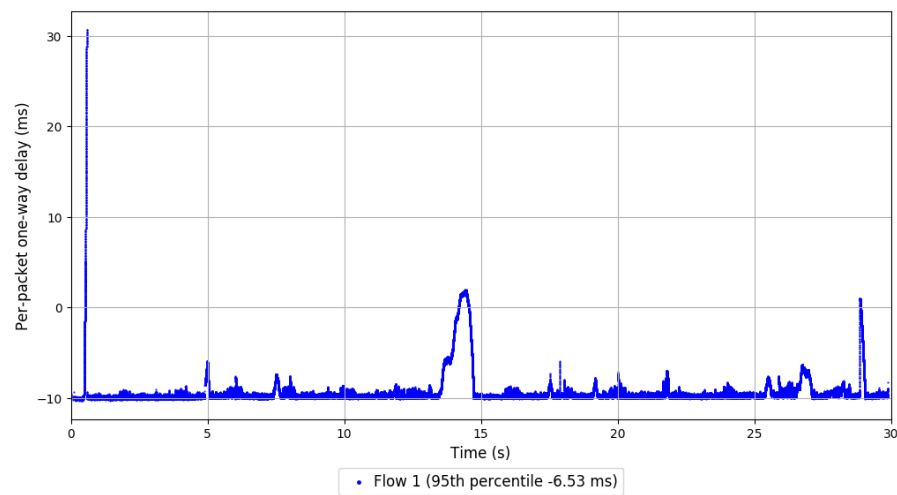
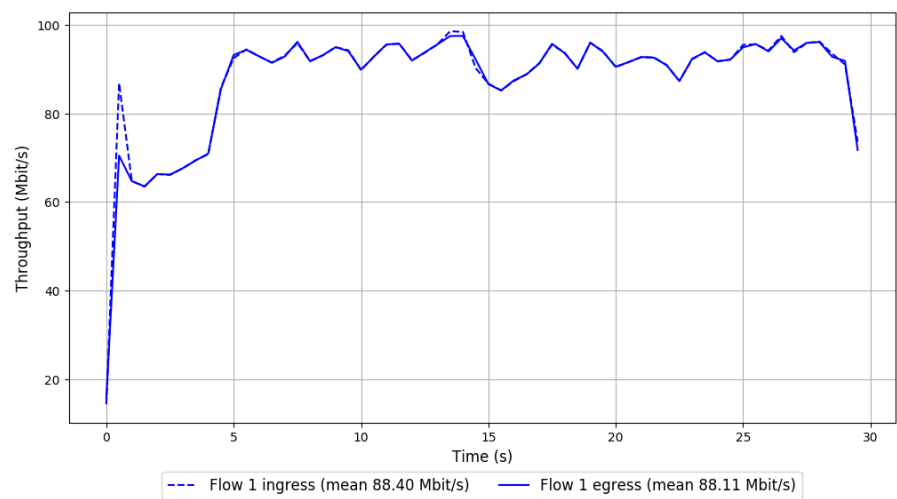


Run 7: Statistics of PCC

Start at: 2018-02-01 19:56:08
End at: 2018-02-01 19:56:38
Local clock offset: -0.536 ms
Remote clock offset: -20.209 ms

Below is generated by plot.py at 2018-02-01 22:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: -6.532 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: -6.532 ms
Loss rate: 0.33%

Run 7: Report of PCC — Data Link

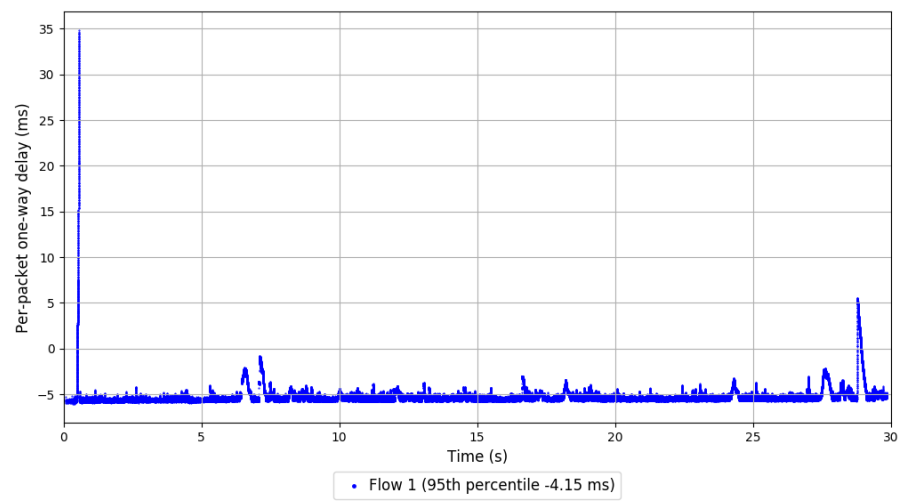
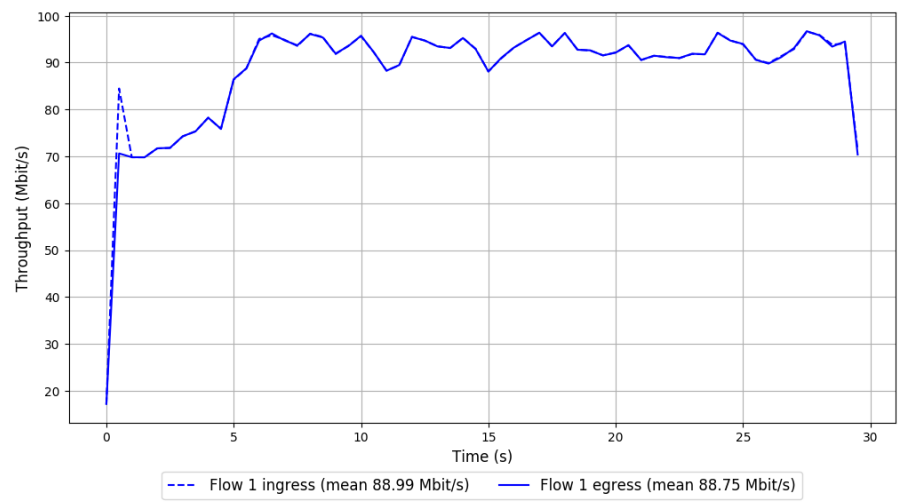


Run 8: Statistics of PCC

Start at: 2018-02-01 20:18:46
End at: 2018-02-01 20:19:16
Local clock offset: 0.947 ms
Remote clock offset: -18.345 ms

Below is generated by plot.py at 2018-02-01 22:01:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: -4.151 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: -4.151 ms
Loss rate: 0.27%

Run 8: Report of PCC — Data Link

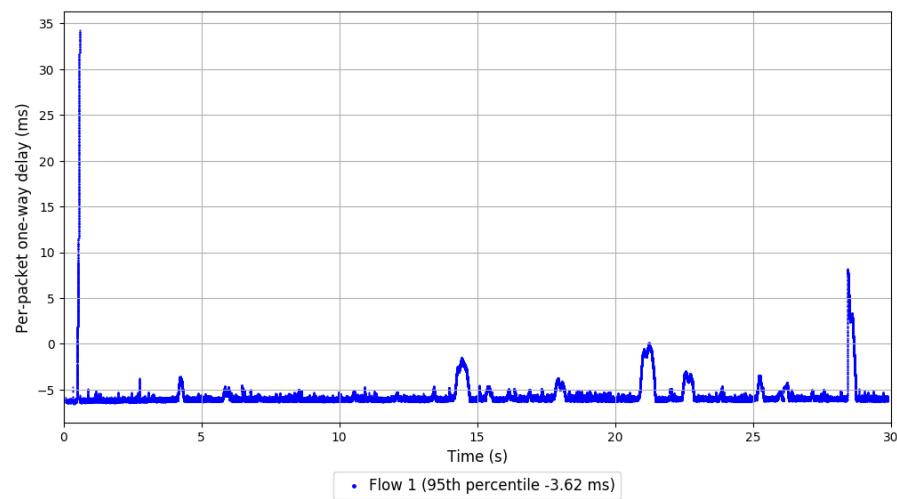
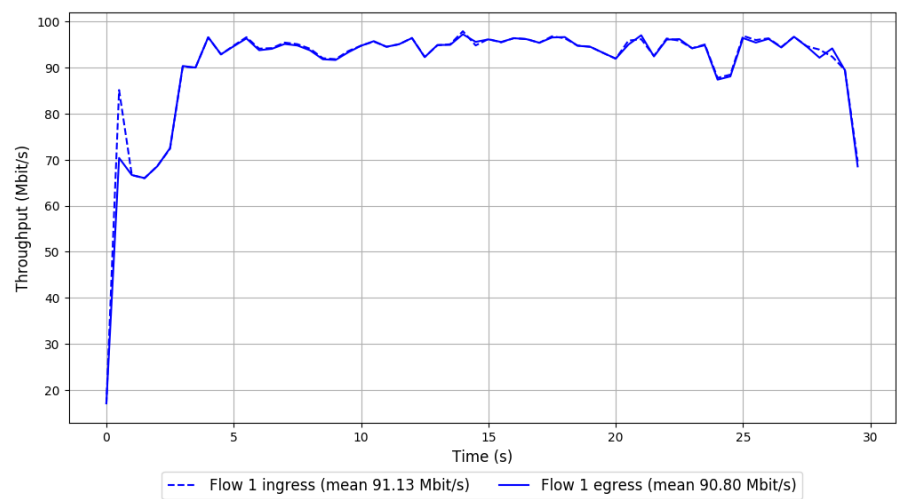


Run 9: Statistics of PCC

Start at: 2018-02-01 20:41:50
End at: 2018-02-01 20:42:20
Local clock offset: 3.683 ms
Remote clock offset: -21.506 ms

Below is generated by plot.py at 2018-02-01 22:02:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: -3.617 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: -3.617 ms
Loss rate: 0.37%

Run 9: Report of PCC — Data Link

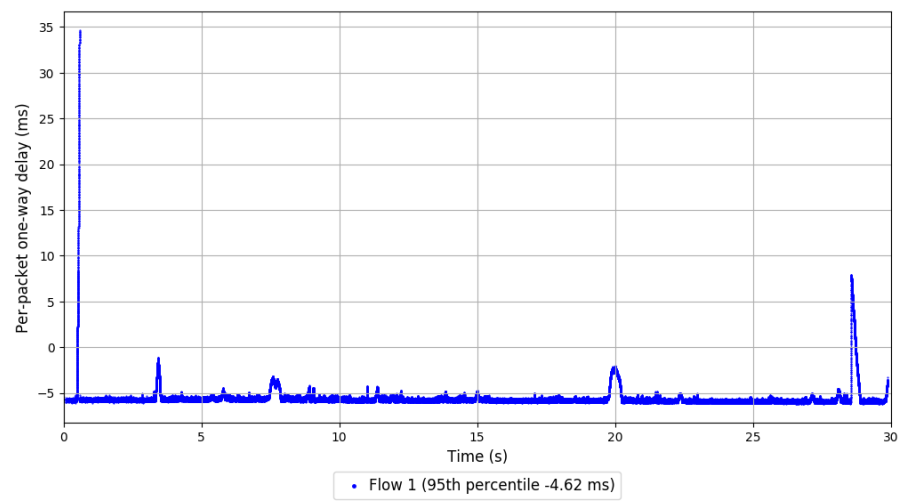
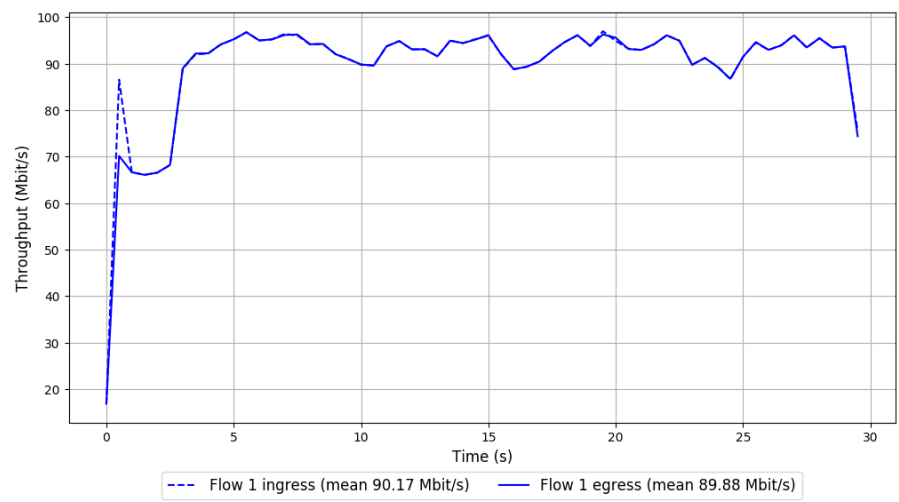


Run 10: Statistics of PCC

Start at: 2018-02-01 21:04:27
End at: 2018-02-01 21:04:57
Local clock offset: 2.669 ms
Remote clock offset: -23.384 ms

Below is generated by plot.py at 2018-02-01 22:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: -4.624 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: -4.624 ms
Loss rate: 0.32%

Run 10: Report of PCC — Data Link

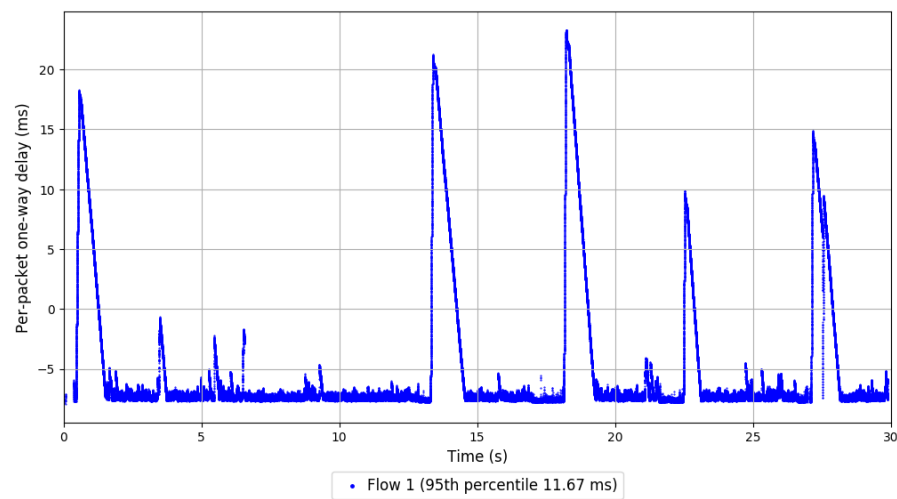
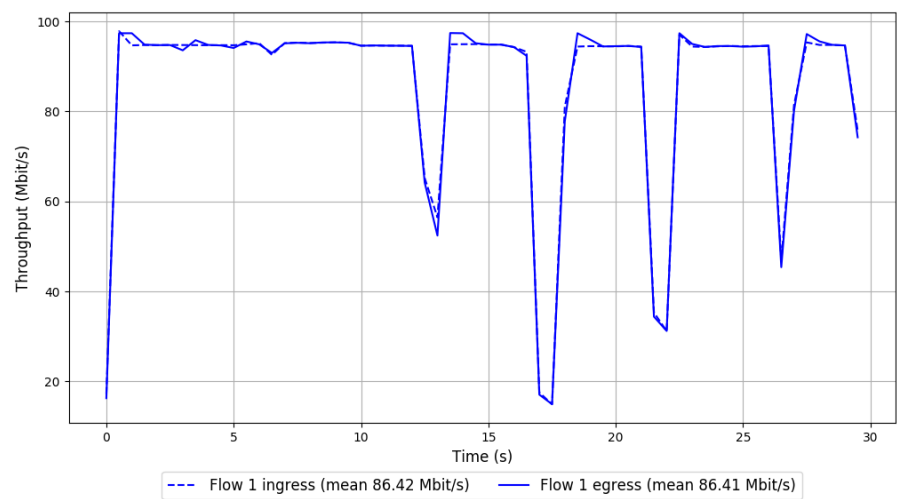


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-01 17:49:08
End at: 2018-02-01 17:49:38
Local clock offset: 0.823 ms
Remote clock offset: -20.968 ms

Below is generated by plot.py at 2018-02-01 22:02:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.41 Mbit/s
95th percentile per-packet one-way delay: 11.666 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.41 Mbit/s
95th percentile per-packet one-way delay: 11.666 ms
Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link

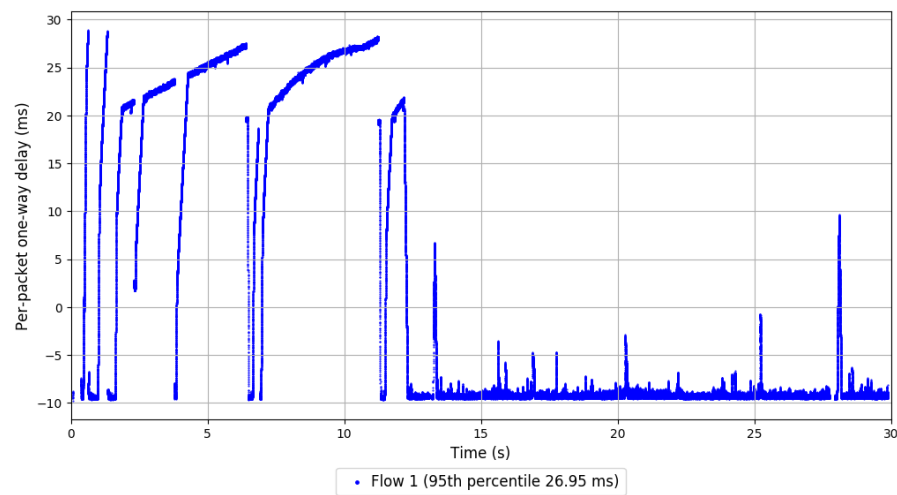
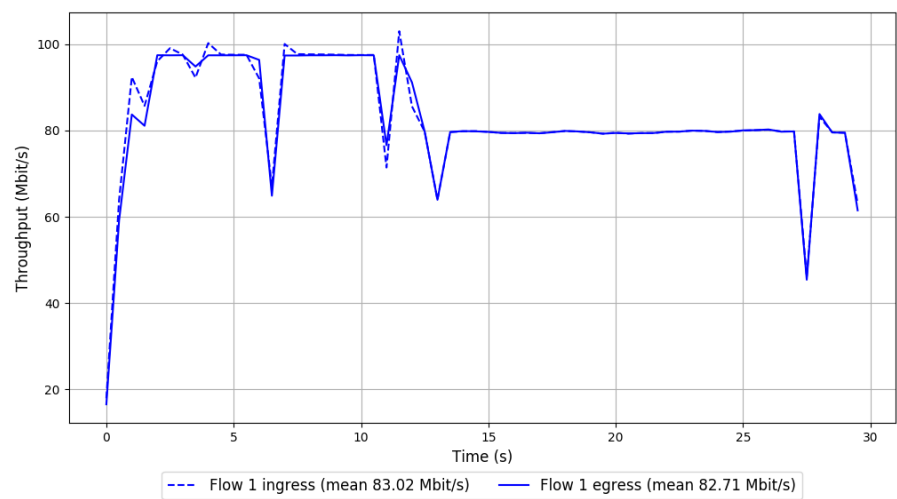


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-01 18:12:02
End at: 2018-02-01 18:12:32
Local clock offset: 2.983 ms
Remote clock offset: -21.675 ms

Below is generated by plot.py at 2018-02-01 22:02:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 26.947 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 26.947 ms
Loss rate: 0.38%

Run 2: Report of QUIC Cubic — Data Link

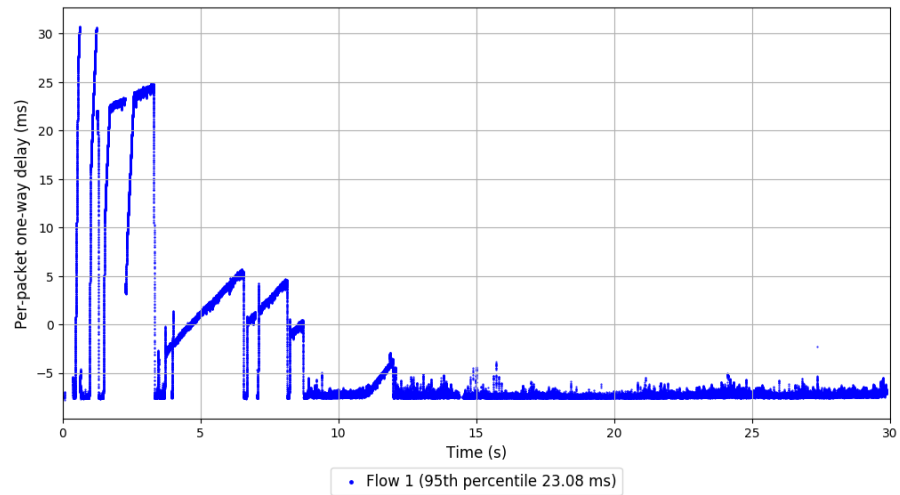
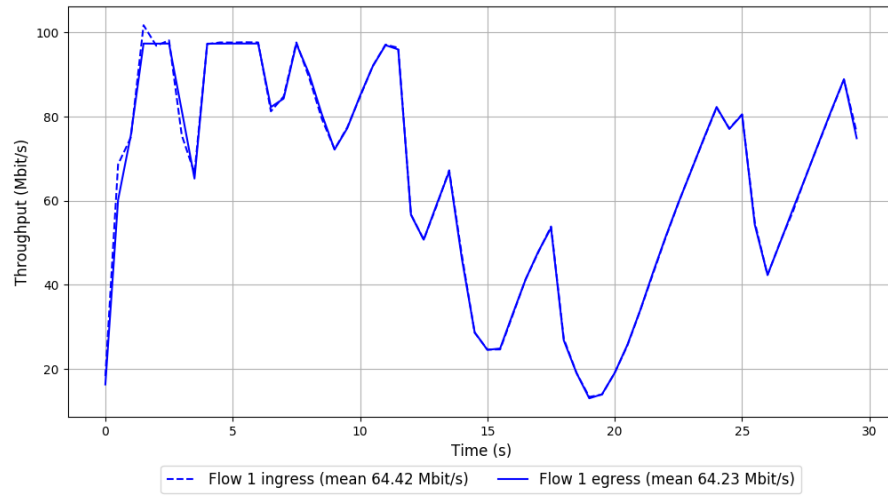


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-01 18:34:43
End at: 2018-02-01 18:35:13
Local clock offset: 1.687 ms
Remote clock offset: -25.036 ms

Below is generated by plot.py at 2018-02-01 22:02:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 23.077 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 23.077 ms
Loss rate: 0.29%

Run 3: Report of QUIC Cubic — Data Link

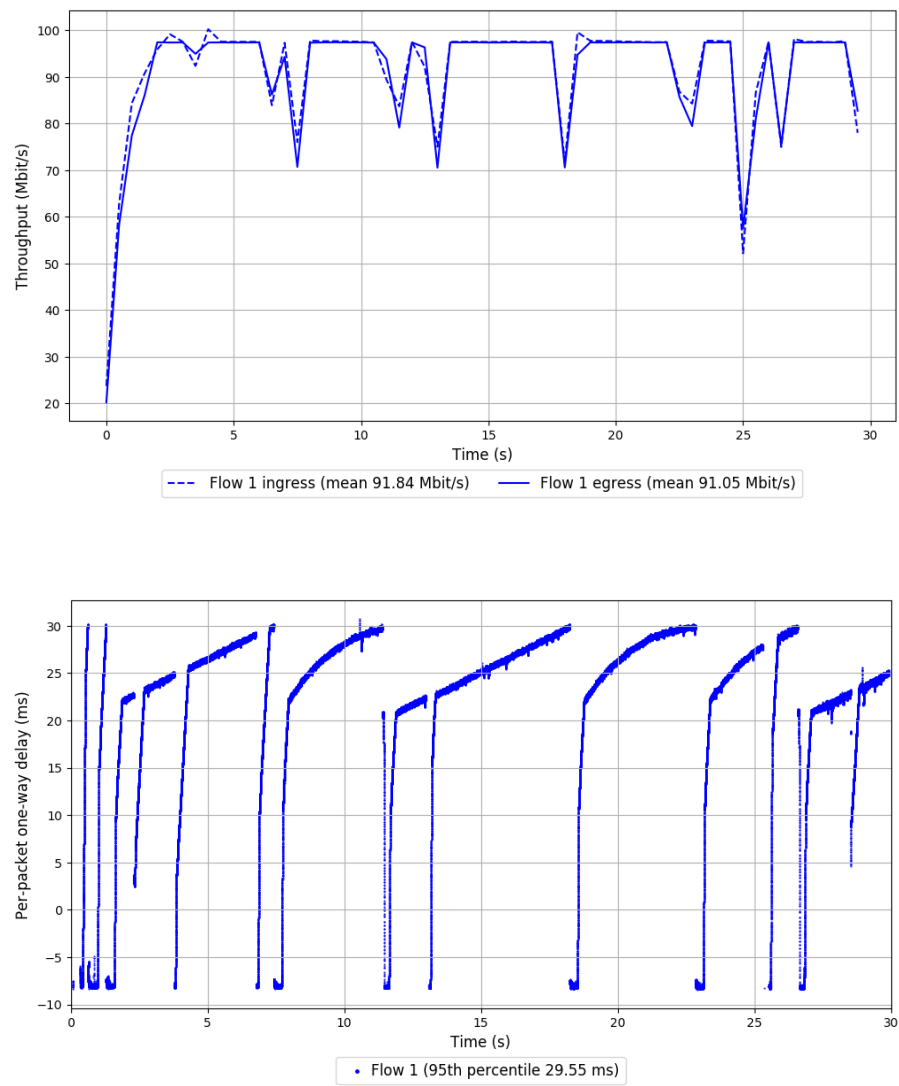


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-01 18:57:11
End at: 2018-02-01 18:57:41
Local clock offset: 4.351 ms
Remote clock offset: -19.631 ms

Below is generated by plot.py at 2018-02-01 22:03:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 29.545 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 29.545 ms
Loss rate: 0.74%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-01 19:19:39

End at: 2018-02-01 19:20:09

Local clock offset: -0.57 ms

Remote clock offset: -17.87 ms

Below is generated by plot.py at 2018-02-01 22:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 29.037 ms

Loss rate: 0.45%

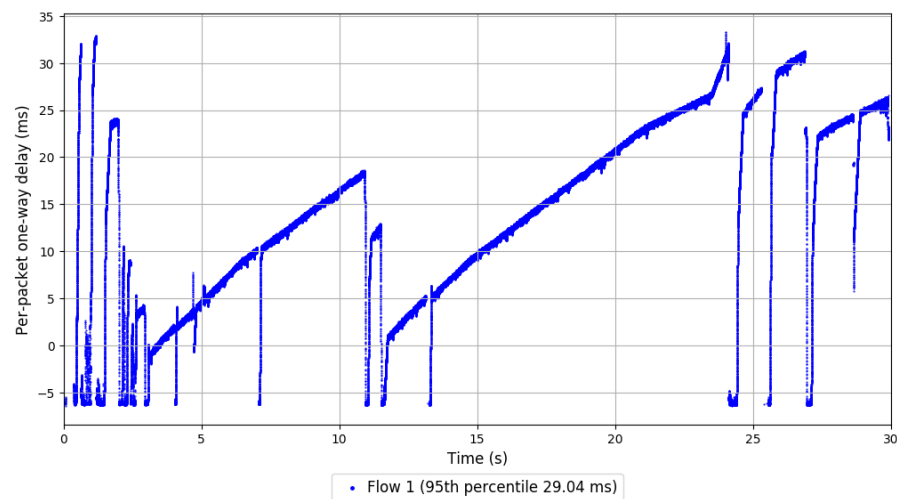
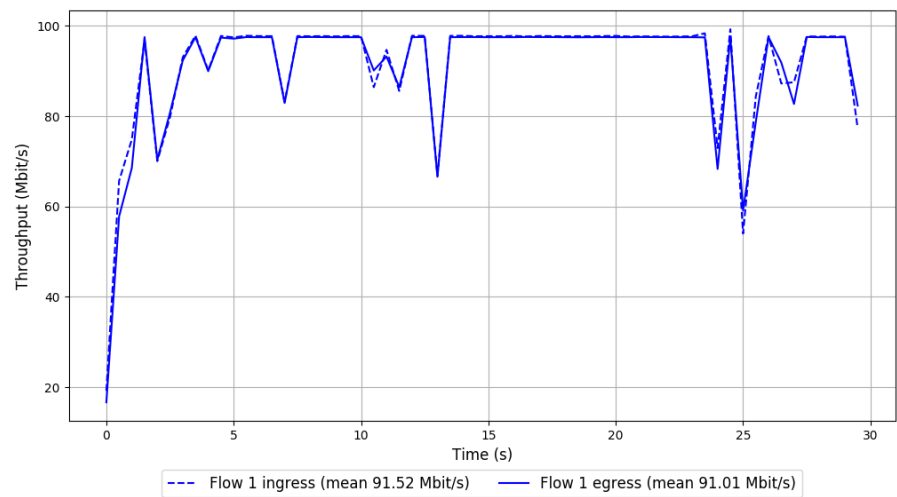
-- Flow 1:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 29.037 ms

Loss rate: 0.45%

Run 5: Report of QUIC Cubic — Data Link

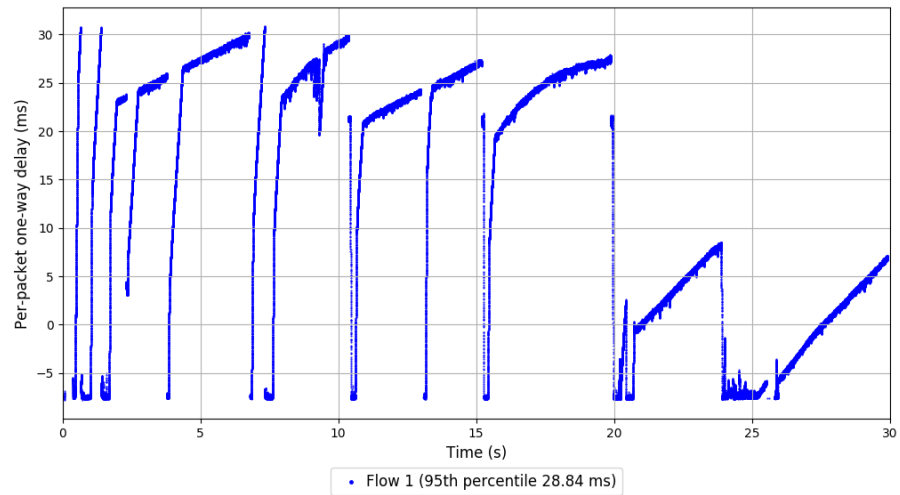
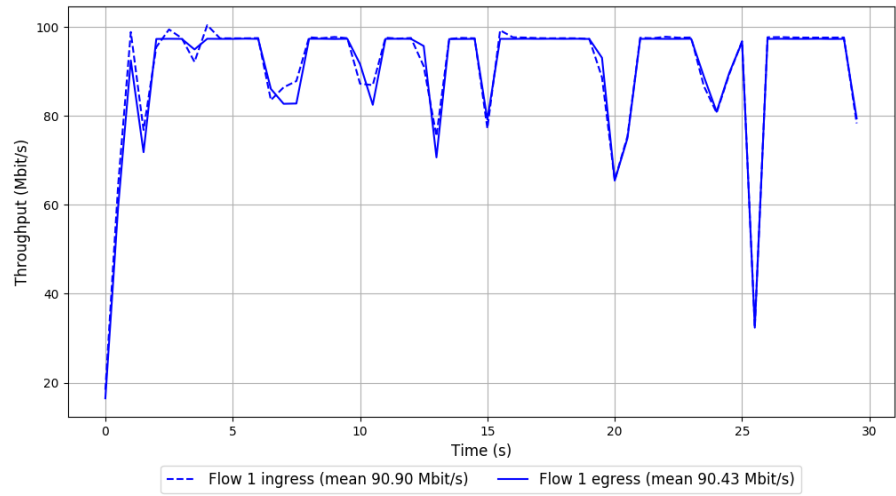


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-01 19:41:52
End at: 2018-02-01 19:42:22
Local clock offset: -0.237 ms
Remote clock offset: -18.078 ms

Below is generated by plot.py at 2018-02-01 22:03:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 28.842 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 28.842 ms
Loss rate: 0.47%

Run 6: Report of QUIC Cubic — Data Link

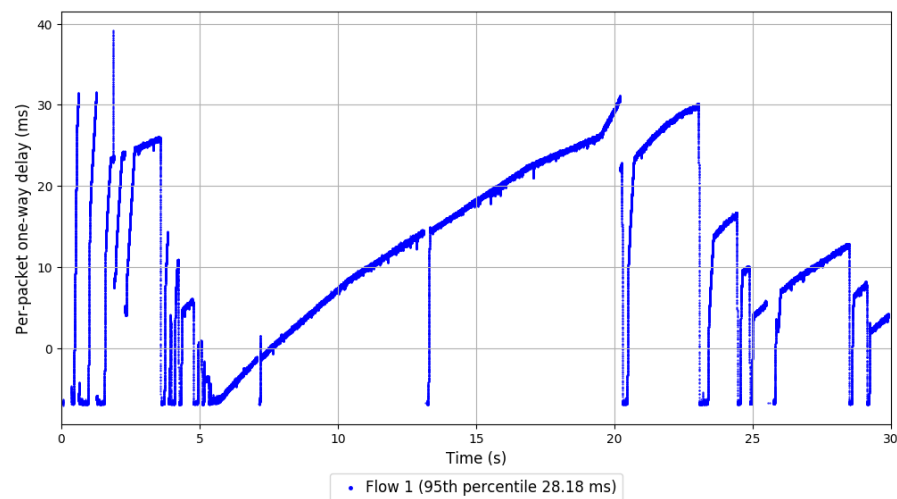
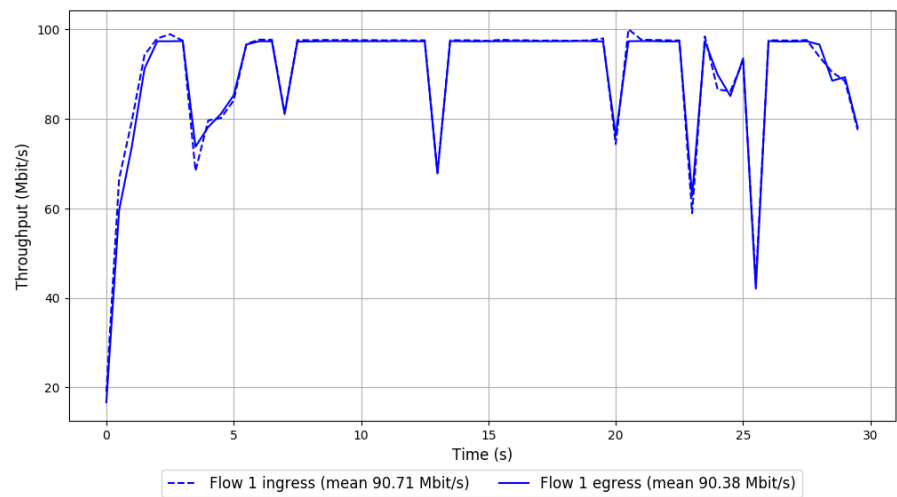


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-01 20:04:28
End at: 2018-02-01 20:04:58
Local clock offset: -2.478 ms
Remote clock offset: -19.714 ms

Below is generated by plot.py at 2018-02-01 22:03:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 28.175 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 28.175 ms
Loss rate: 0.32%

Run 7: Report of QUIC Cubic — Data Link

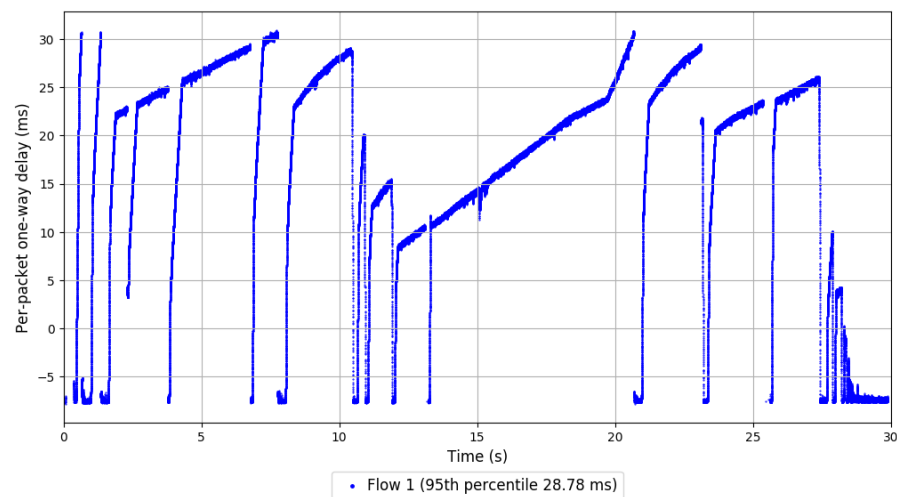
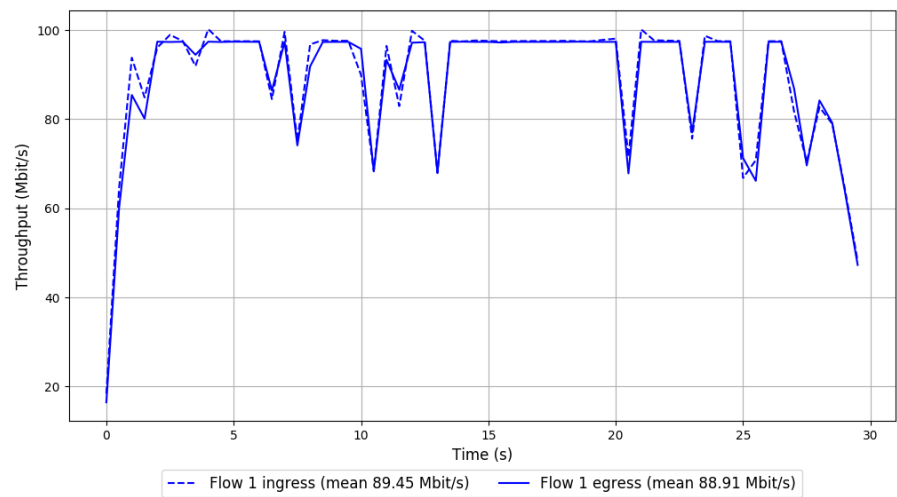


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-01 20:27:17
End at: 2018-02-01 20:27:47
Local clock offset: 3.932 ms
Remote clock offset: -18.454 ms

Below is generated by plot.py at 2018-02-01 22:03:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 28.777 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 28.777 ms
Loss rate: 0.59%

Run 8: Report of QUIC Cubic — Data Link

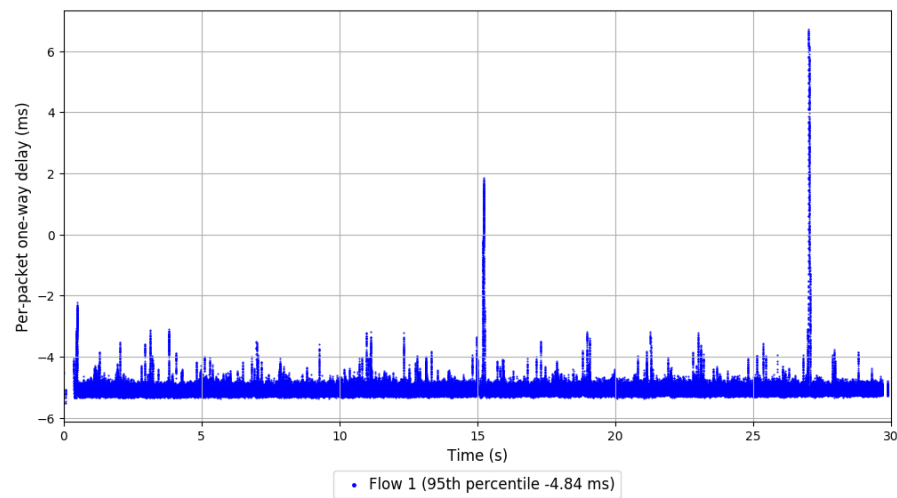
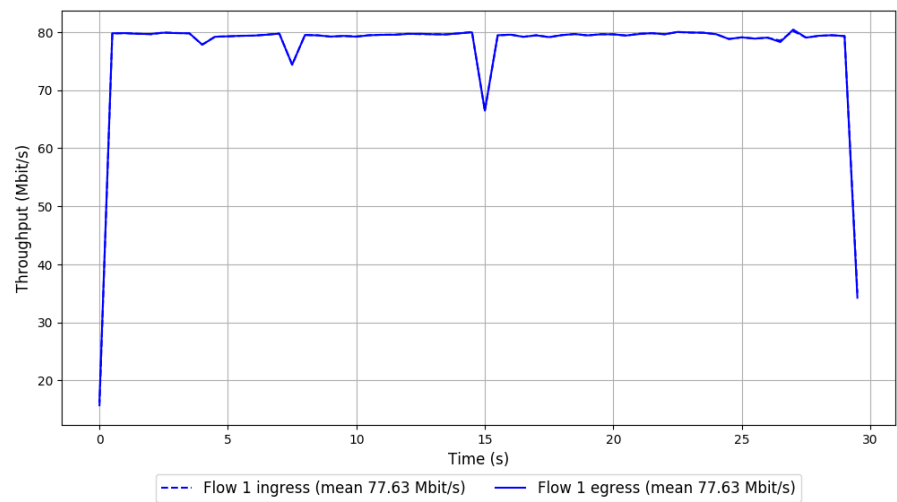


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-01 20:50:13
End at: 2018-02-01 20:50:43
Local clock offset: 2.281 ms
Remote clock offset: -22.635 ms

Below is generated by plot.py at 2018-02-01 22:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.63 Mbit/s
95th percentile per-packet one-way delay: -4.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.63 Mbit/s
95th percentile per-packet one-way delay: -4.838 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-01 21:13:00

End at: 2018-02-01 21:13:30

Local clock offset: 3.792 ms

Remote clock offset: -21.065 ms

Below is generated by plot.py at 2018-02-01 22:04:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.68 Mbit/s

95th percentile per-packet one-way delay: 29.035 ms

Loss rate: 0.43%

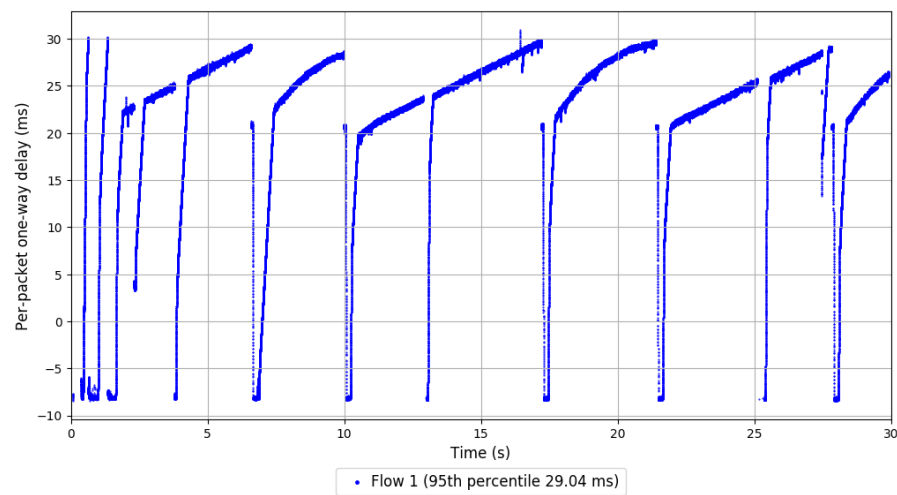
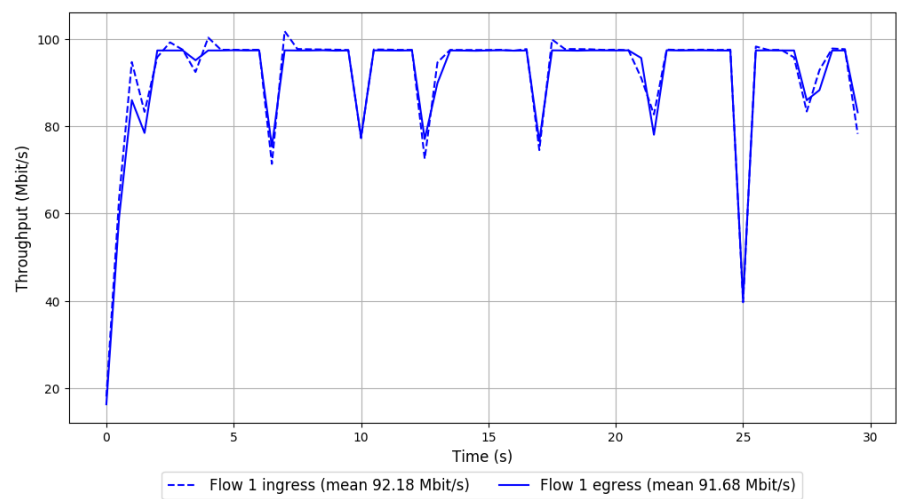
-- Flow 1:

Average throughput: 91.68 Mbit/s

95th percentile per-packet one-way delay: 29.035 ms

Loss rate: 0.43%

Run 10: Report of QUIC Cubic — Data Link

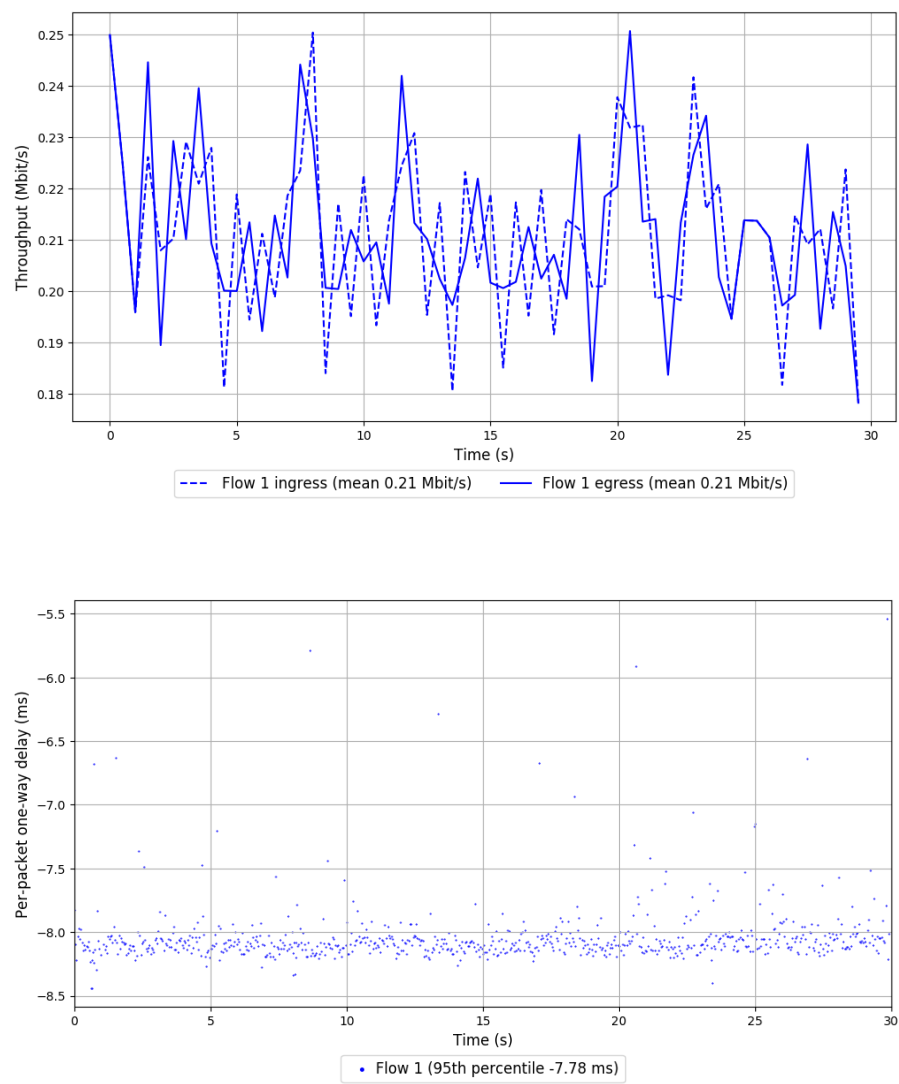


Run 1: Statistics of SCReAM

Start at: 2018-02-01 17:56:37
End at: 2018-02-01 17:57:07
Local clock offset: 2.458 ms
Remote clock offset: -20.129 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.778 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

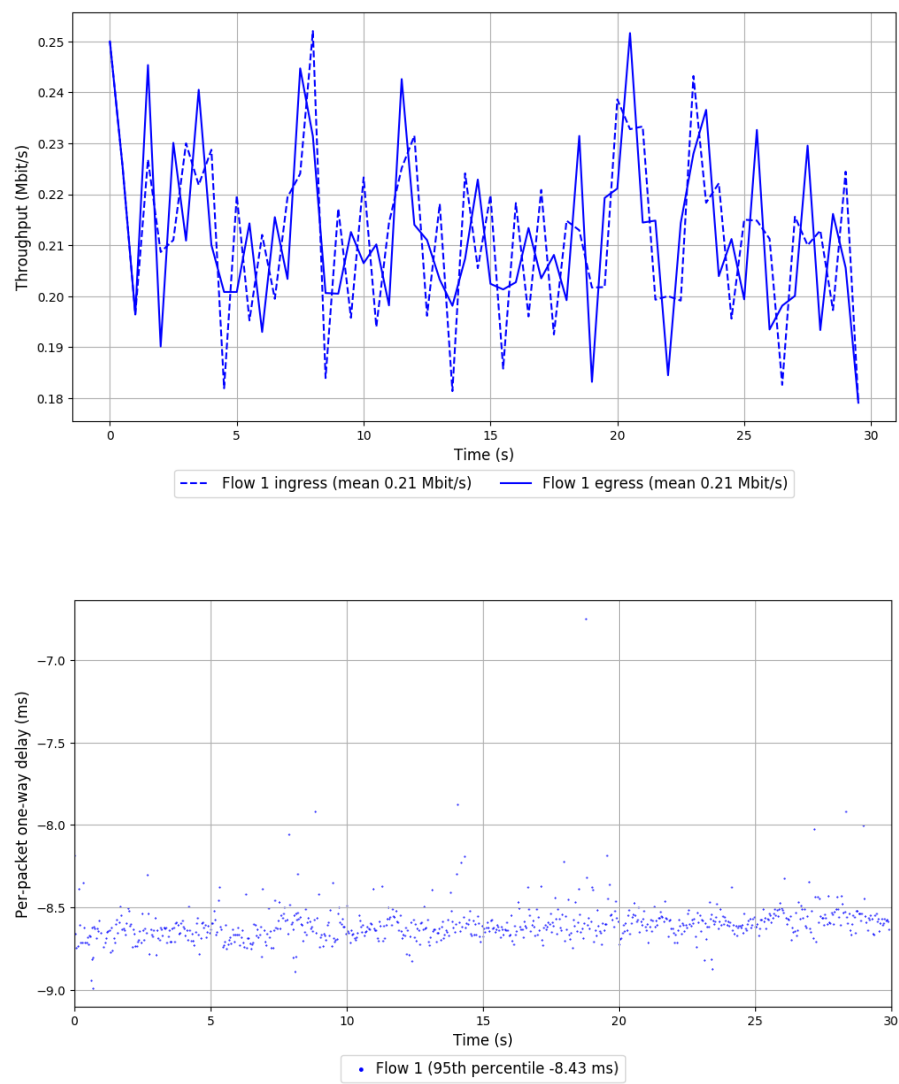


Run 2: Statistics of SCReAM

Start at: 2018-02-01 18:19:16
End at: 2018-02-01 18:19:46
Local clock offset: 0.735 ms
Remote clock offset: -25.104 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.434 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

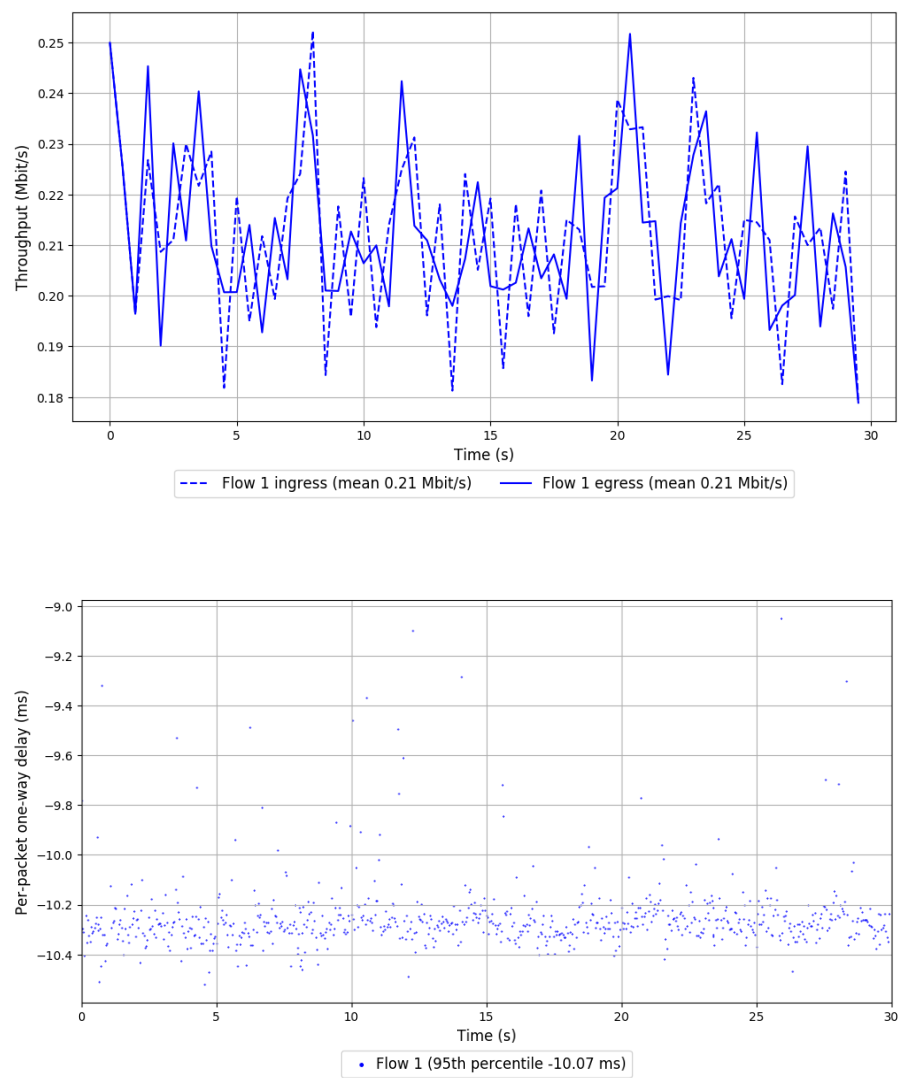


Run 3: Statistics of SCReAM

Start at: 2018-02-01 18:42:02
End at: 2018-02-01 18:42:32
Local clock offset: 3.066 ms
Remote clock offset: -27.106 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.066 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

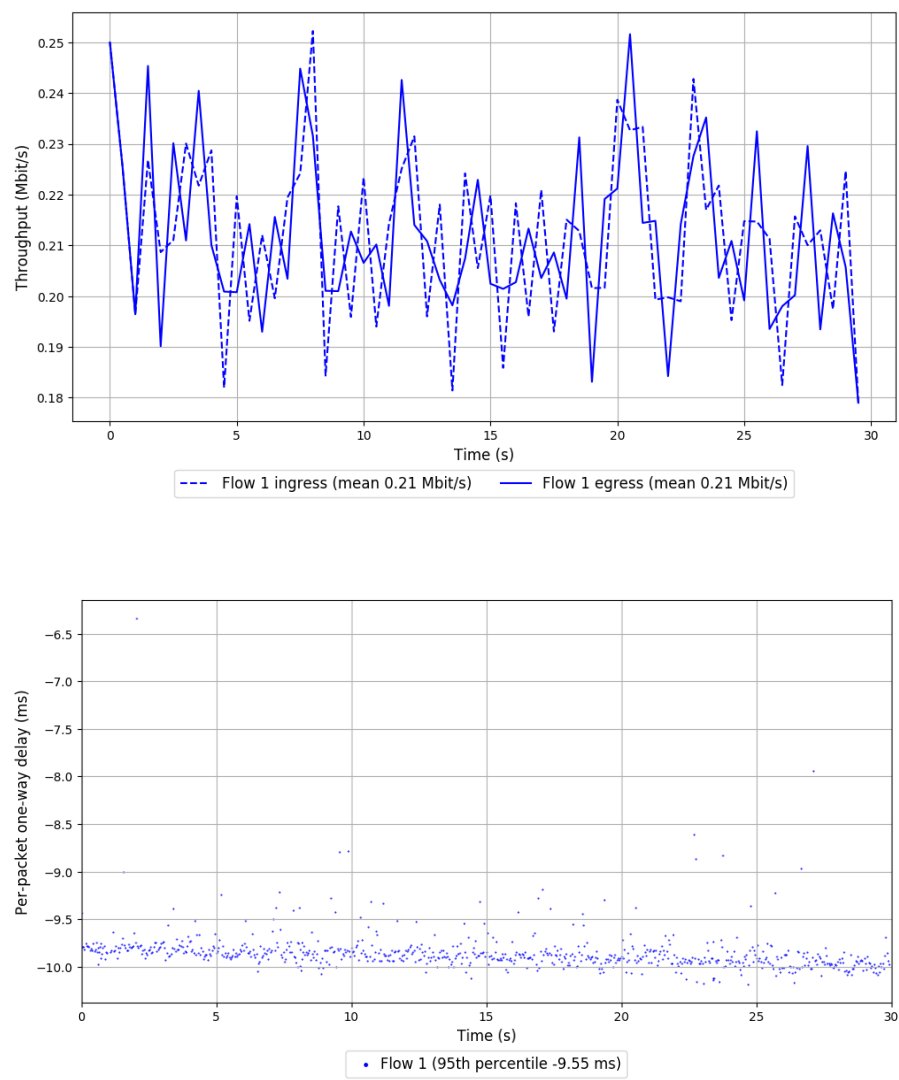


Run 4: Statistics of SCReAM

Start at: 2018-02-01 19:04:24
End at: 2018-02-01 19:04:54
Local clock offset: 4.061 ms
Remote clock offset: -19.776 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.548 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

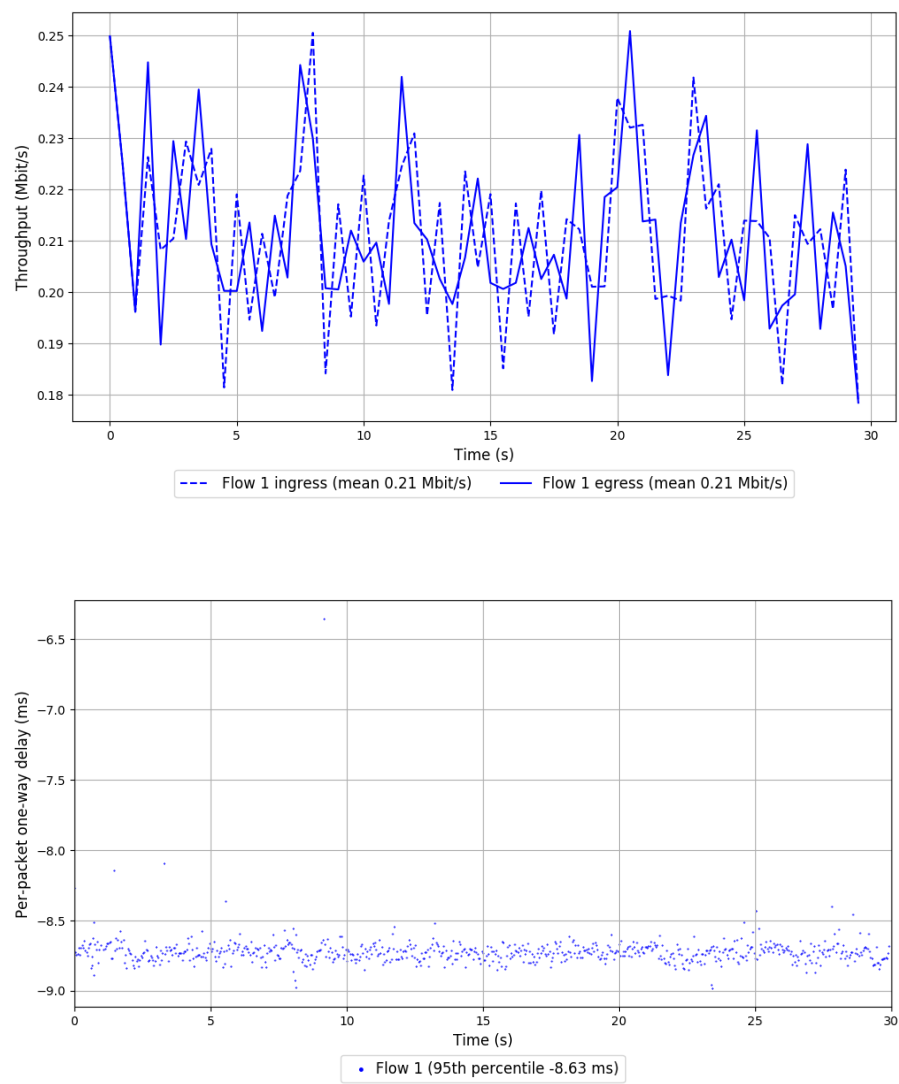


Run 5: Statistics of SCReAM

Start at: 2018-02-01 19:26:45
End at: 2018-02-01 19:27:15
Local clock offset: 0.67 ms
Remote clock offset: -19.003 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.630 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

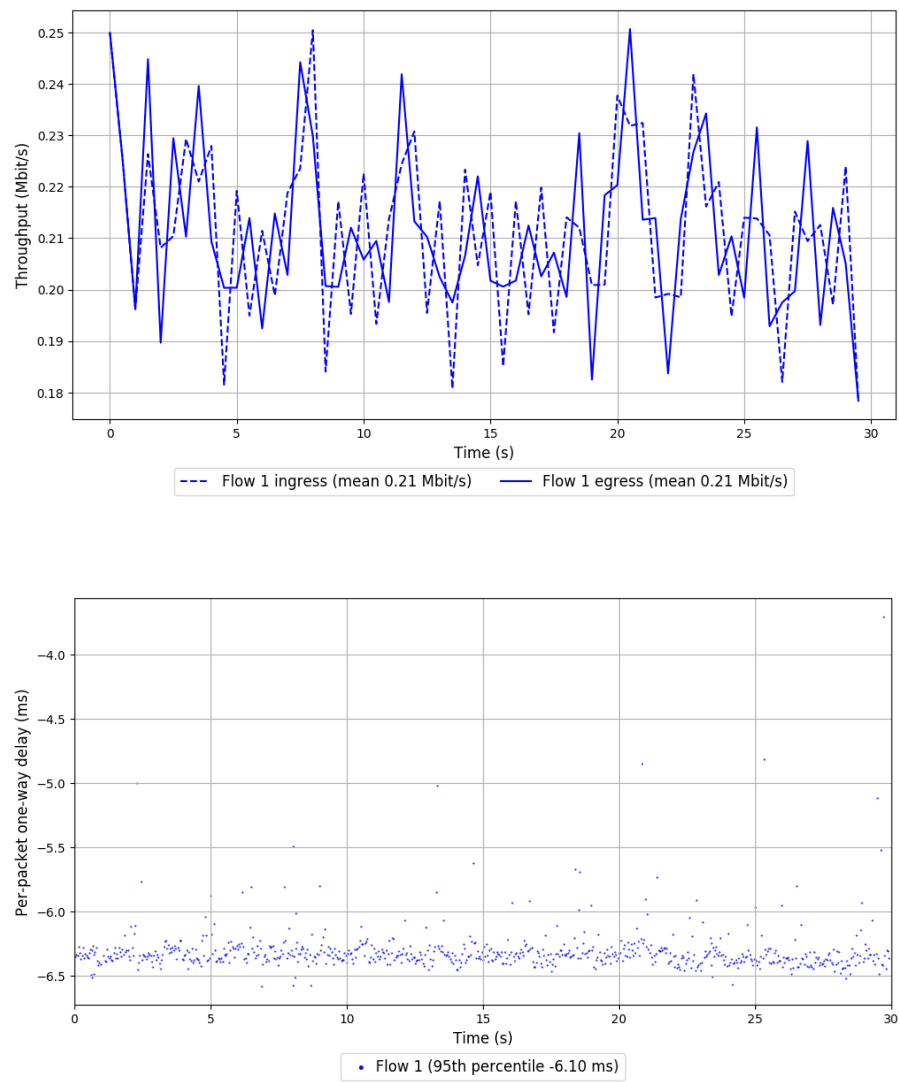


Run 6: Statistics of SCReAM

Start at: 2018-02-01 19:49:09
End at: 2018-02-01 19:49:39
Local clock offset: 0.897 ms
Remote clock offset: -15.364 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.096 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

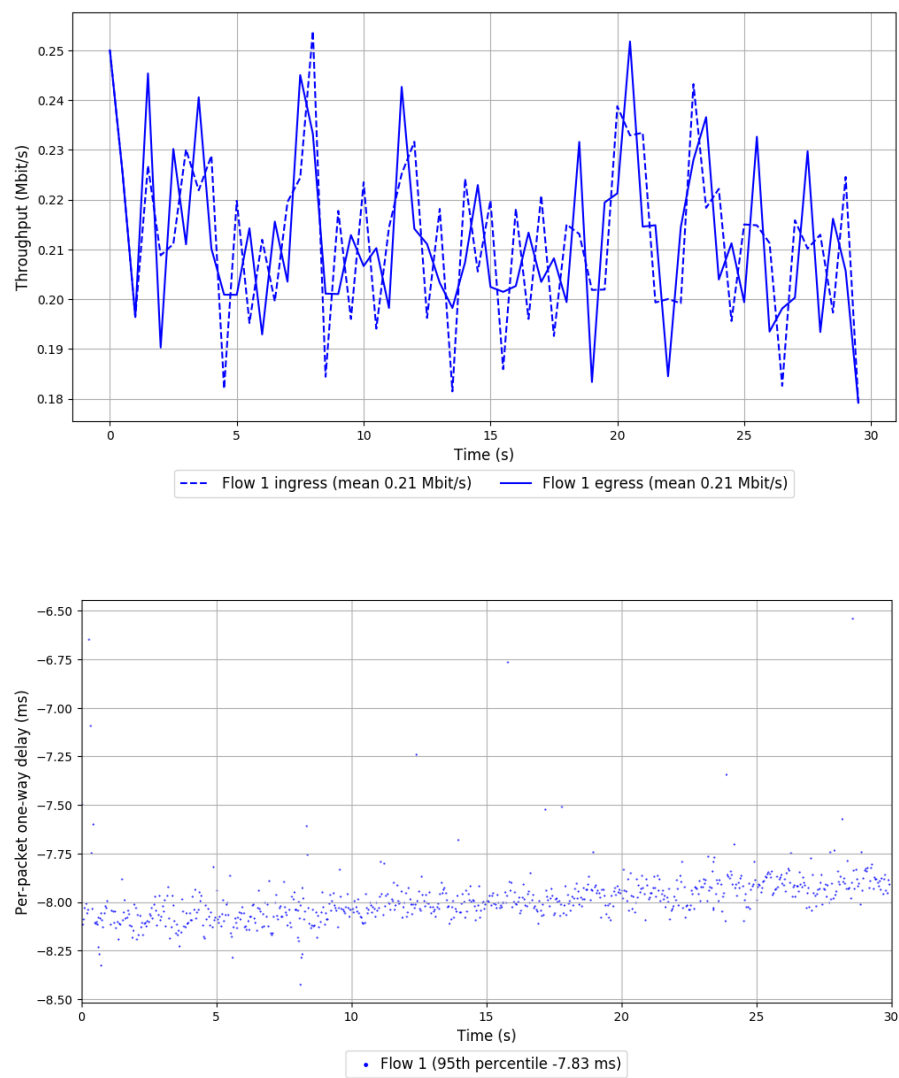


Run 7: Statistics of SCReAM

Start at: 2018-02-01 20:11:53
End at: 2018-02-01 20:12:23
Local clock offset: 1.306 ms
Remote clock offset: -18.281 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.833 ms
Loss rate: 0.00%

Run 7: Report of SCRaM — Data Link

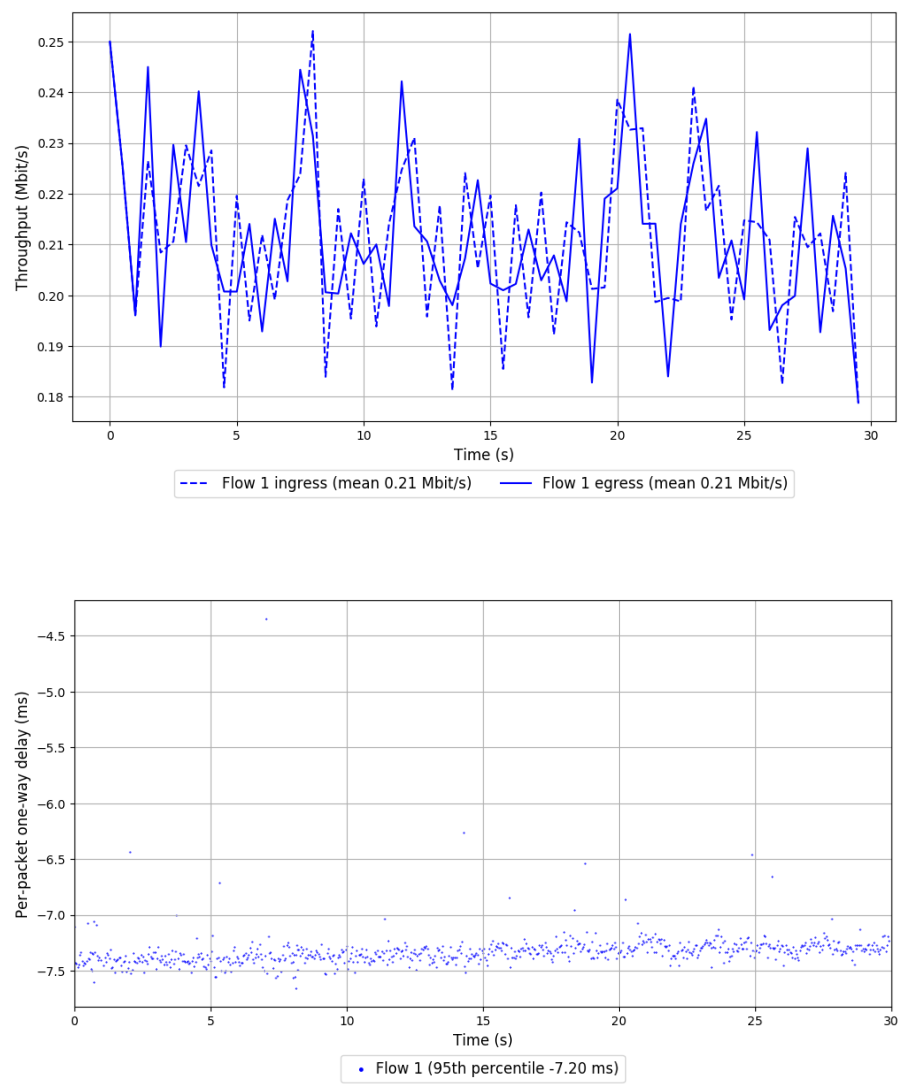


Run 8: Statistics of SCReAM

Start at: 2018-02-01 20:34:49
End at: 2018-02-01 20:35:19
Local clock offset: 4.859 ms
Remote clock offset: -19.757 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.195 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

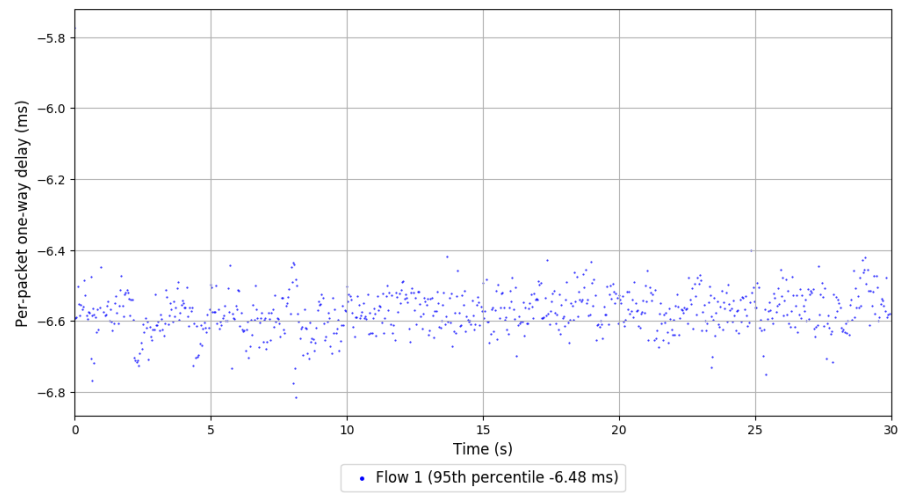
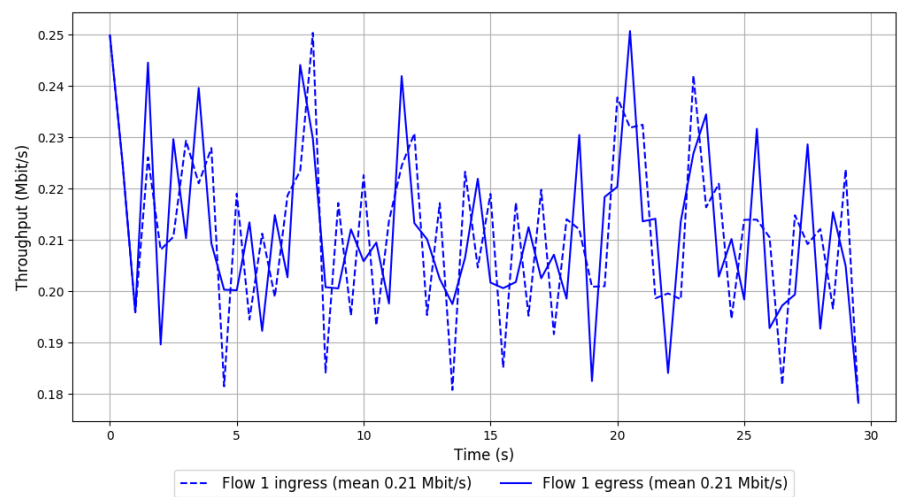


Run 9: Statistics of SCReAM

Start at: 2018-02-01 20:57:26
End at: 2018-02-01 20:57:56
Local clock offset: 3.763 ms
Remote clock offset: -23.125 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.484 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

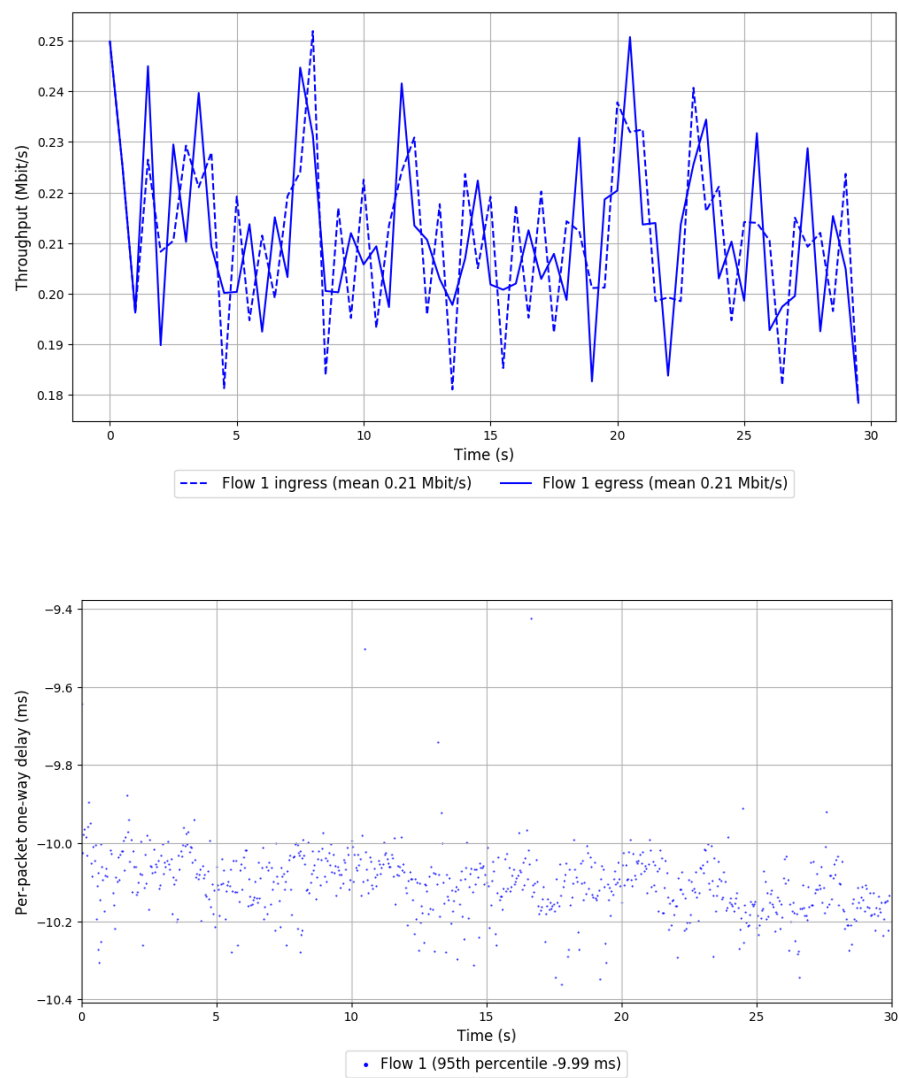


Run 10: Statistics of SReAM

Start at: 2018-02-01 21:20:12
End at: 2018-02-01 21:20:42
Local clock offset: 6.005 ms
Remote clock offset: -19.32 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.995 ms
Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link

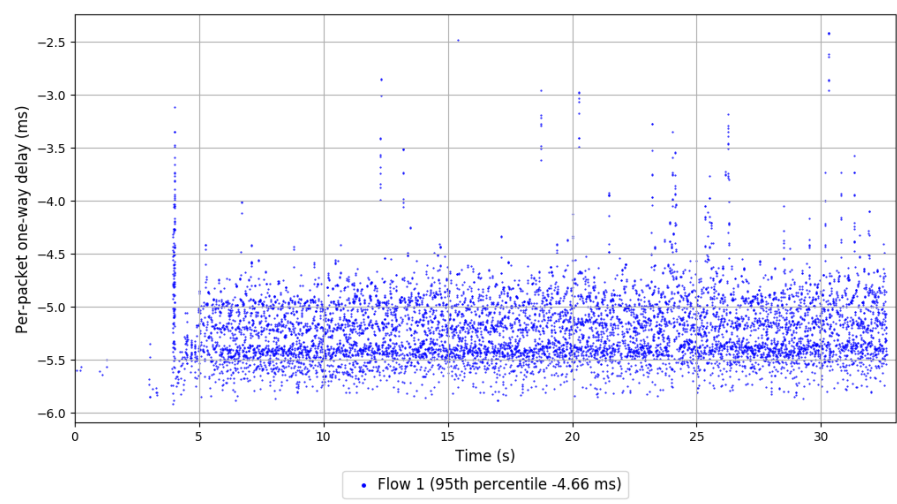
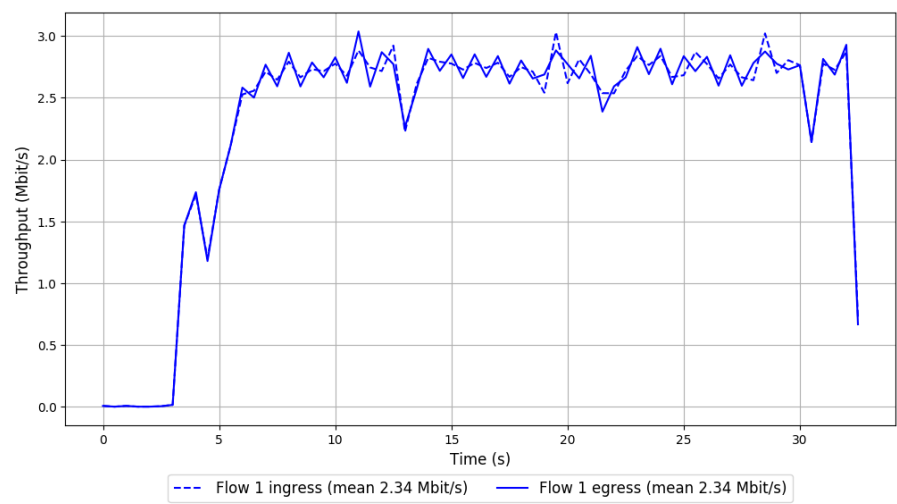


Run 1: Statistics of WebRTC media

Start at: 2018-02-01 17:57:42
End at: 2018-02-01 17:58:12
Local clock offset: -0.104 ms
Remote clock offset: -20.137 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.661 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

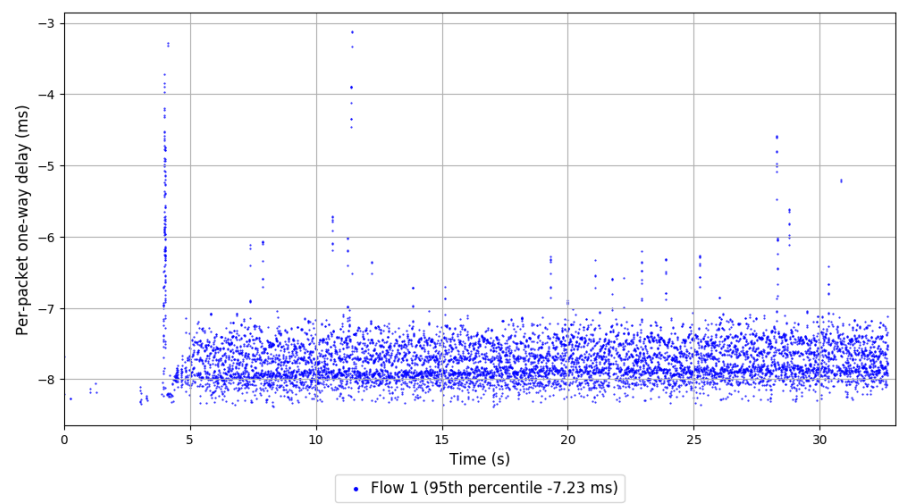
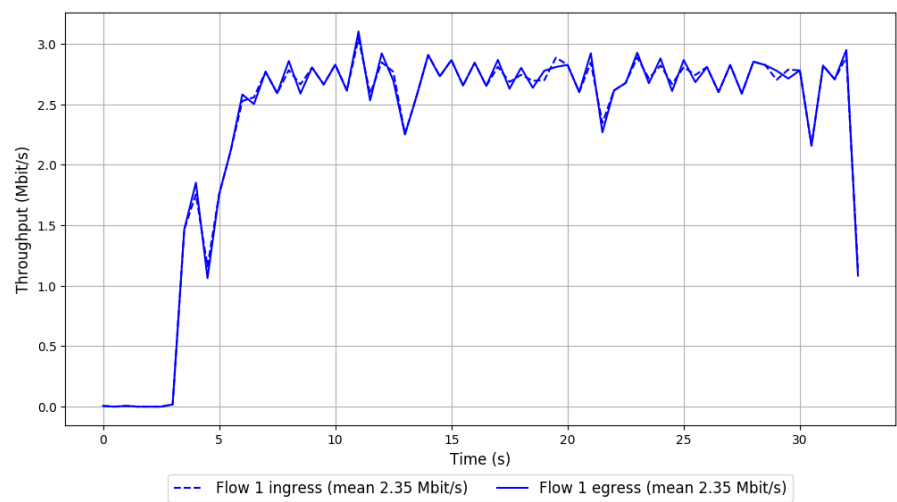


Run 2: Statistics of WebRTC media

Start at: 2018-02-01 18:20:21
End at: 2018-02-01 18:20:51
Local clock offset: 2.755 ms
Remote clock offset: -22.614 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -7.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -7.229 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

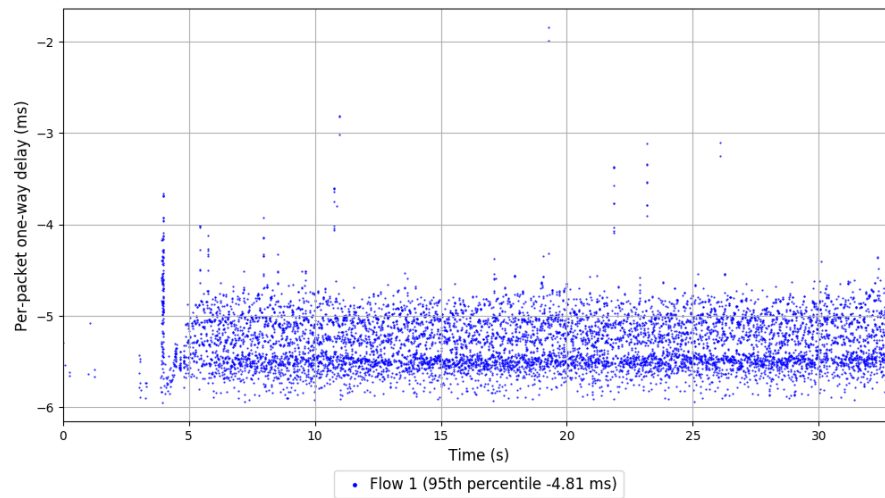
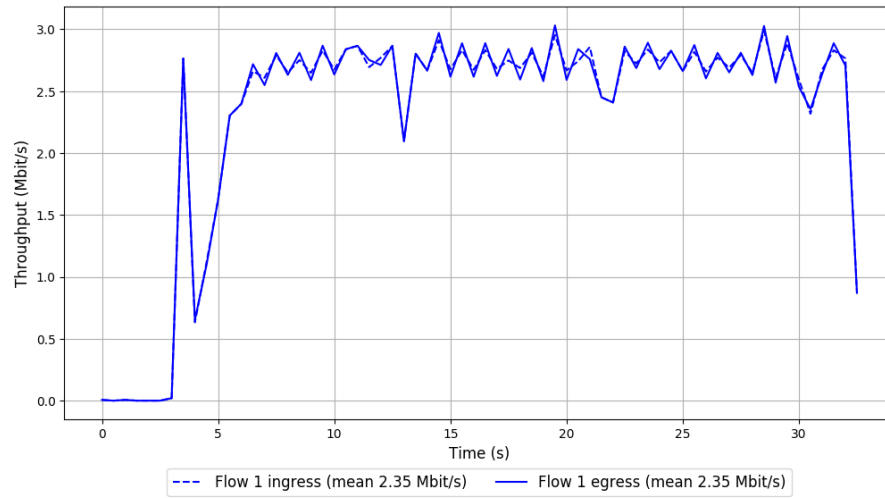


Run 3: Statistics of WebRTC media

Start at: 2018-02-01 18:43:07
End at: 2018-02-01 18:43:37
Local clock offset: 1.863 ms
Remote clock offset: -23.648 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -4.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -4.808 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

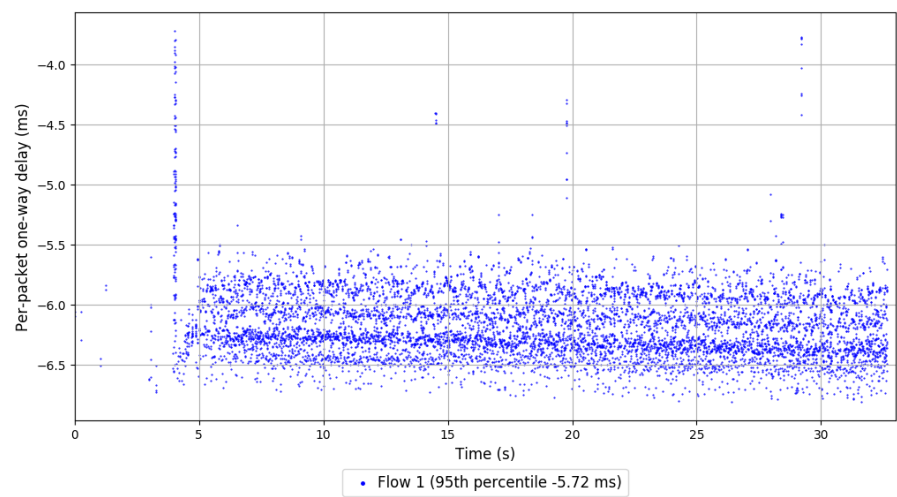
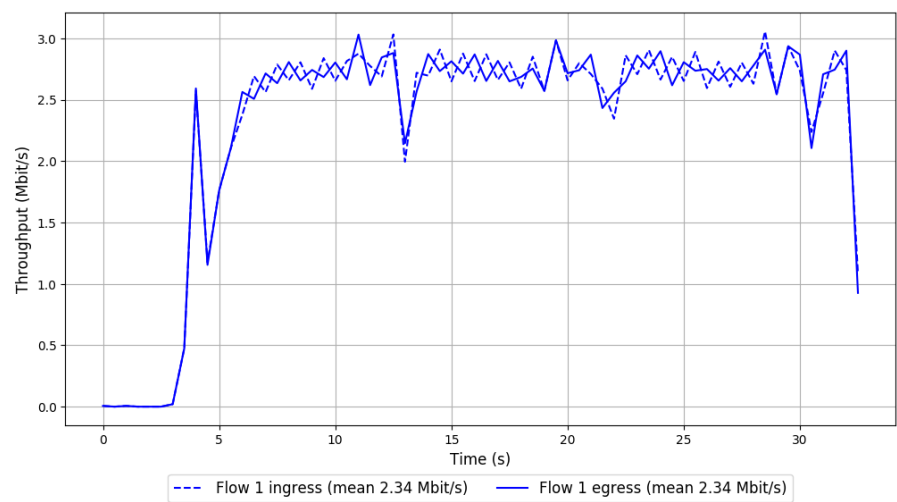


Run 4: Statistics of WebRTC media

Start at: 2018-02-01 19:05:29
End at: 2018-02-01 19:05:59
Local clock offset: 2.144 ms
Remote clock offset: -17.914 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.723 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

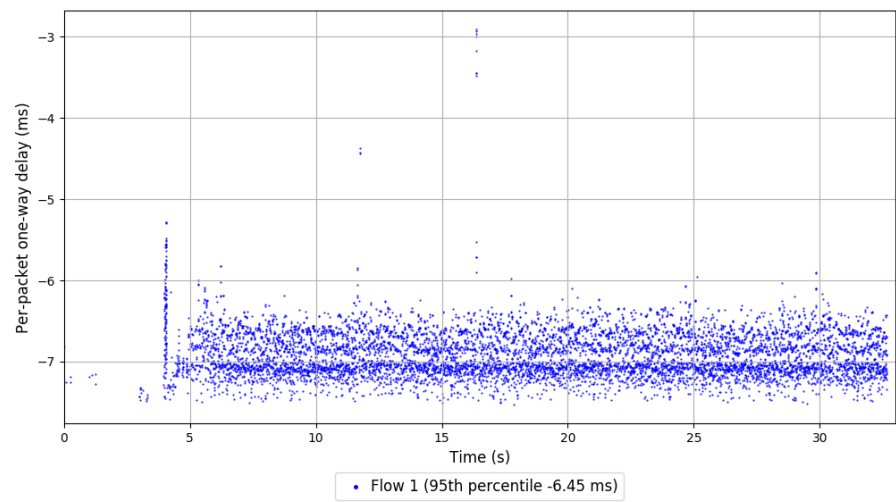
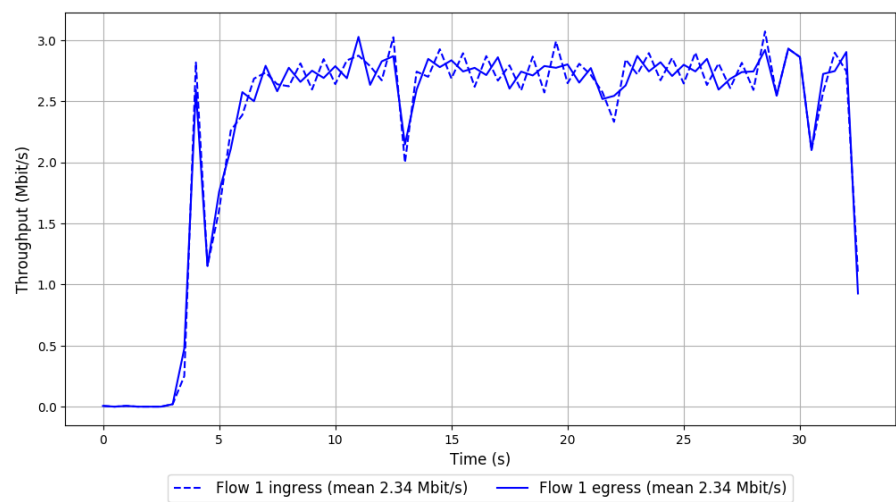


Run 5: Statistics of WebRTC media

Start at: 2018-02-01 19:27:50
End at: 2018-02-01 19:28:20
Local clock offset: 0.298 ms
Remote clock offset: -17.731 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -6.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -6.451 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

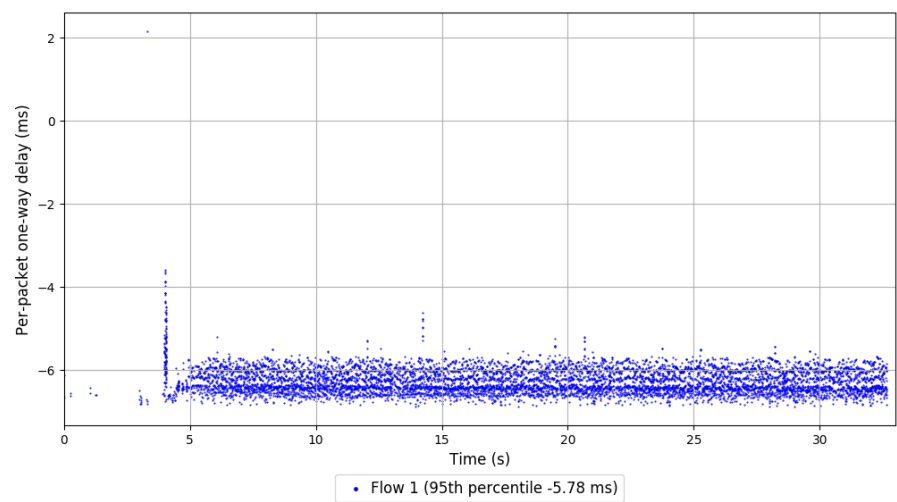
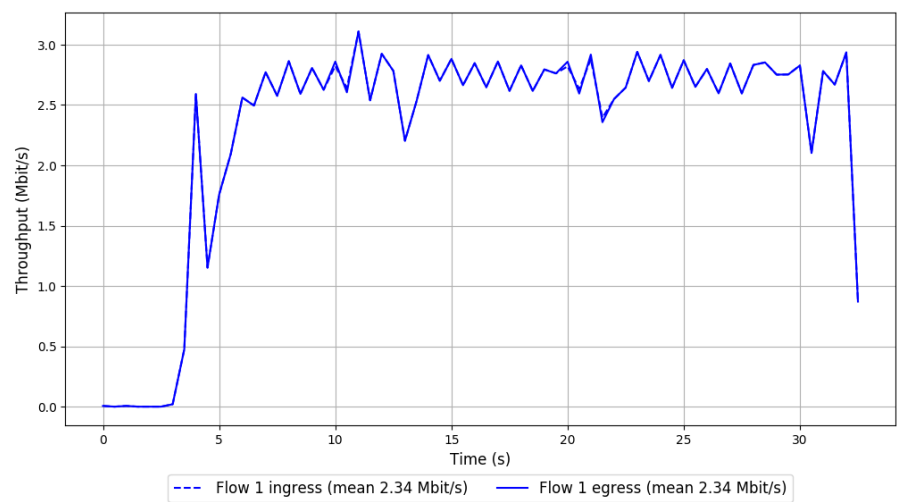


Run 6: Statistics of WebRTC media

Start at: 2018-02-01 19:50:14
End at: 2018-02-01 19:50:44
Local clock offset: -0.615 ms
Remote clock offset: -16.945 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.781 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

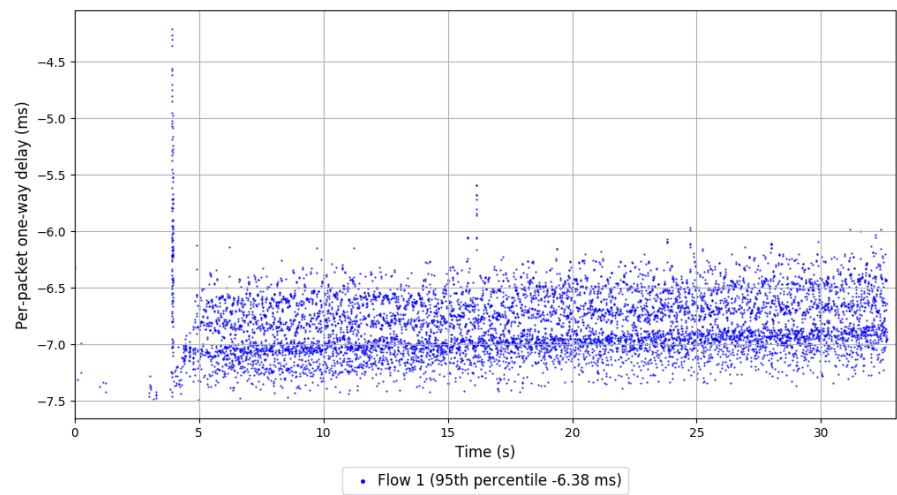
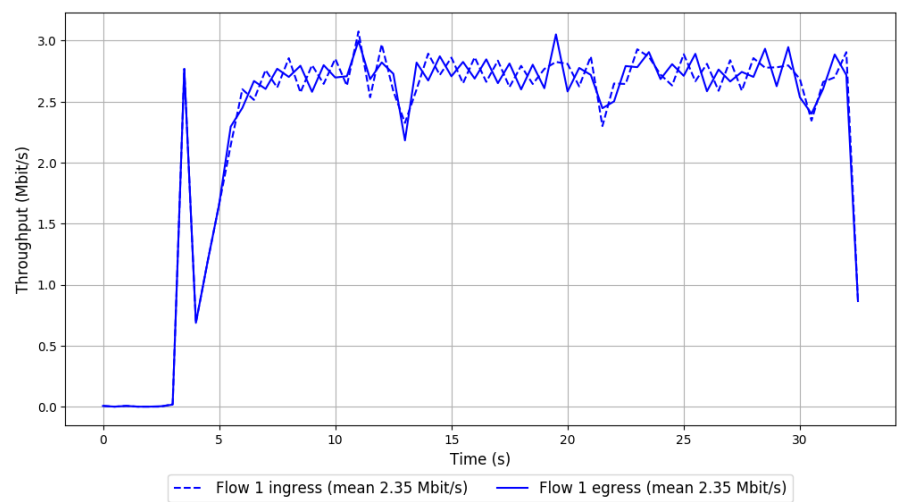


Run 7: Statistics of WebRTC media

Start at: 2018-02-01 20:12:58
End at: 2018-02-01 20:13:28
Local clock offset: -0.468 ms
Remote clock offset: -19.51 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -6.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -6.382 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

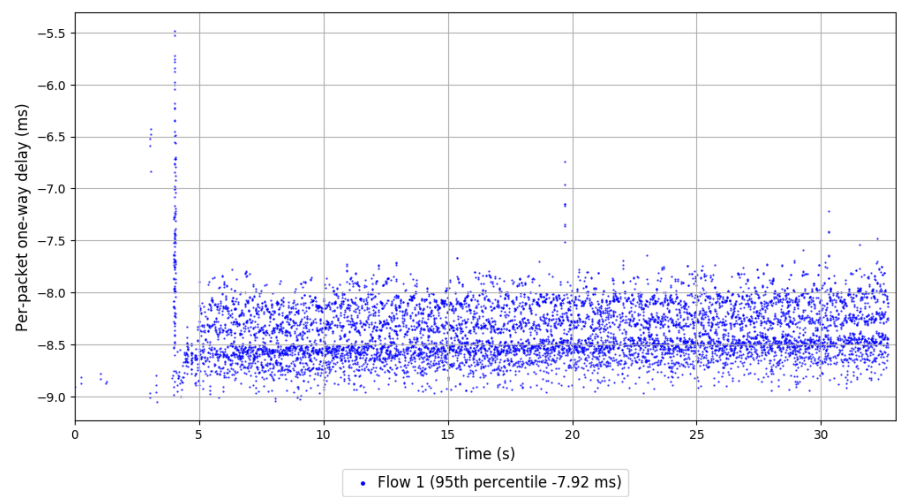
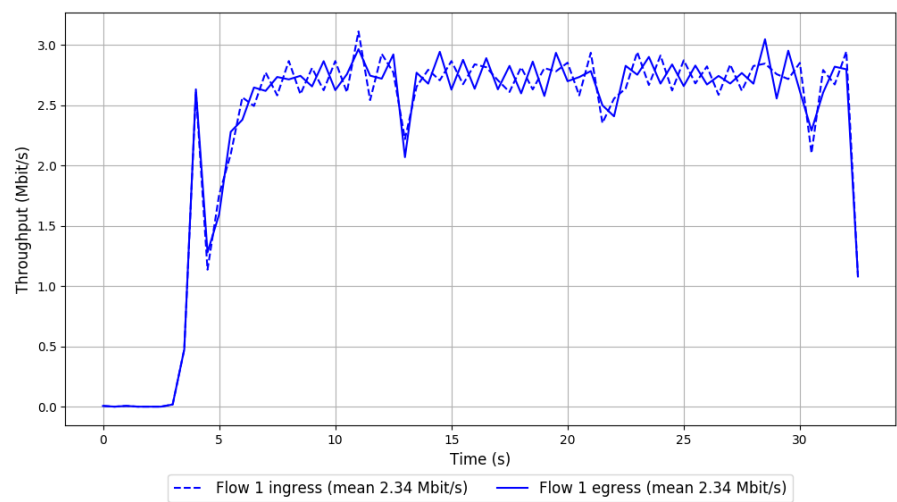


Run 8: Statistics of WebRTC media

Start at: 2018-02-01 20:35:54
End at: 2018-02-01 20:36:24
Local clock offset: 3.756 ms
Remote clock offset: -22.445 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -7.924 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -7.924 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

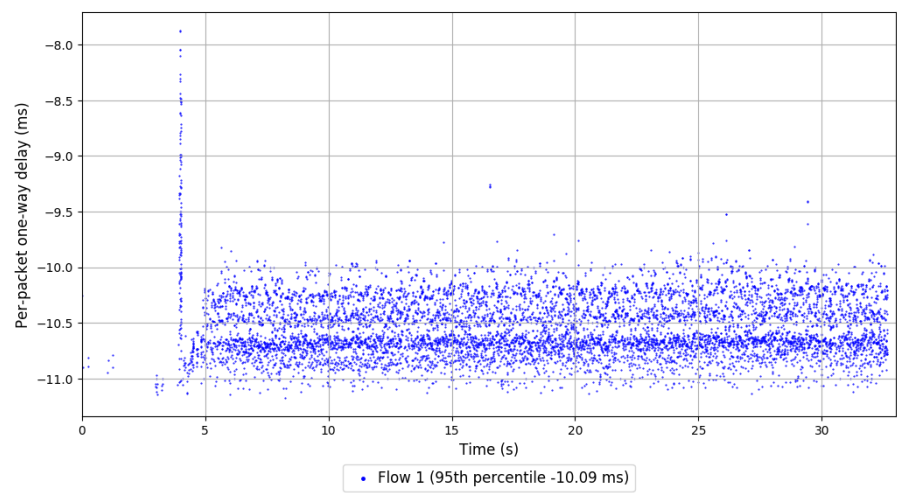
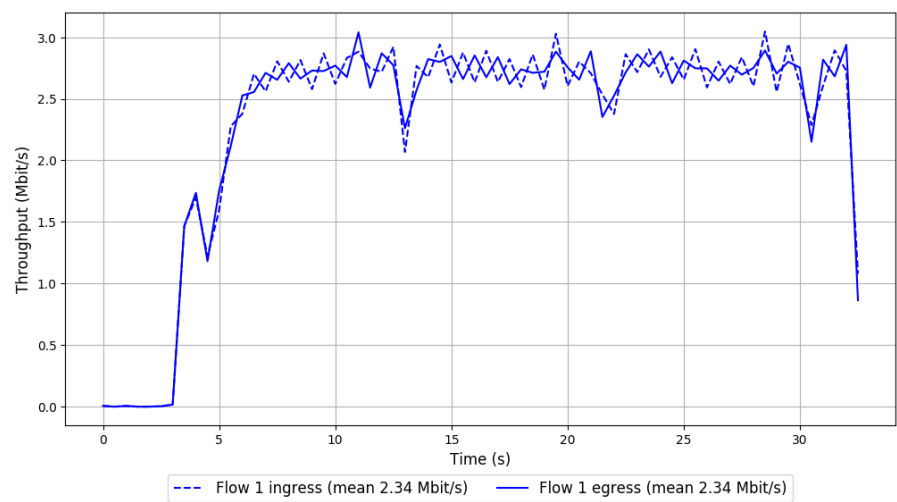


Run 9: Statistics of WebRTC media

Start at: 2018-02-01 20:58:31
End at: 2018-02-01 20:59:01
Local clock offset: 6.251 ms
Remote clock offset: -24.886 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -10.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -10.094 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

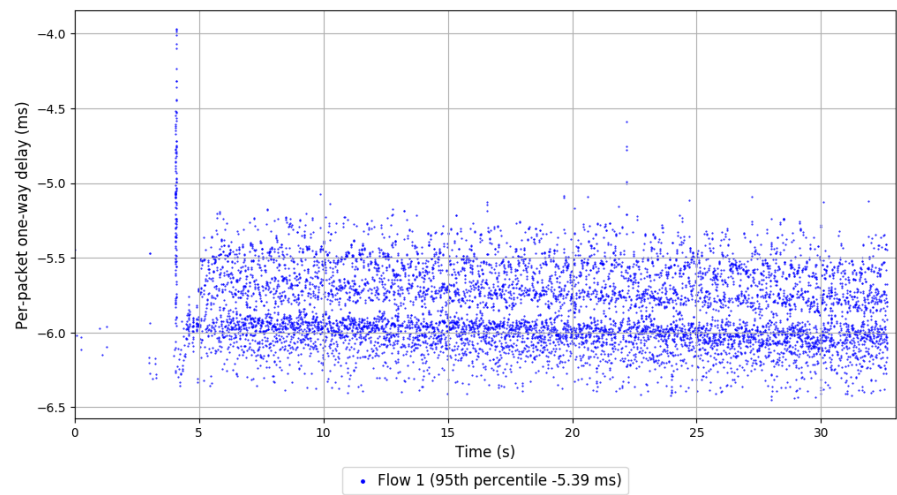
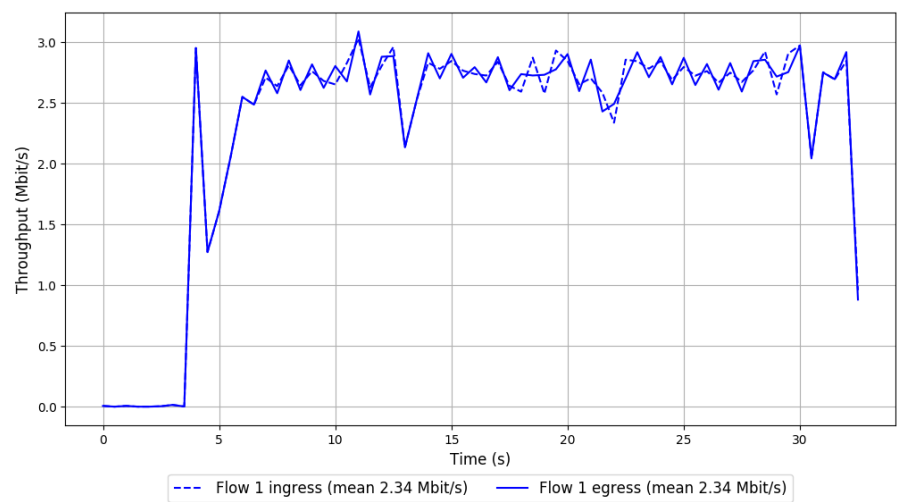


Run 10: Statistics of WebRTC media

Start at: 2018-02-01 21:21:17
End at: 2018-02-01 21:21:47
Local clock offset: 2.645 ms
Remote clock offset: -18.449 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.393 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

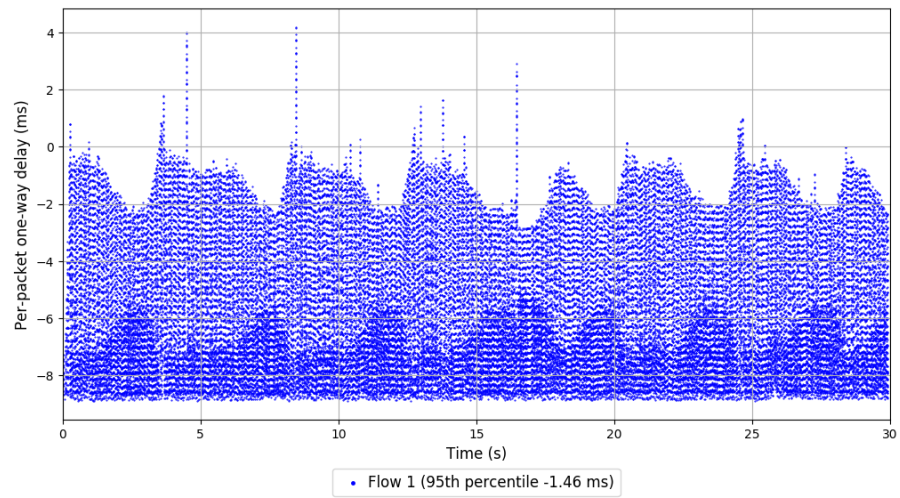
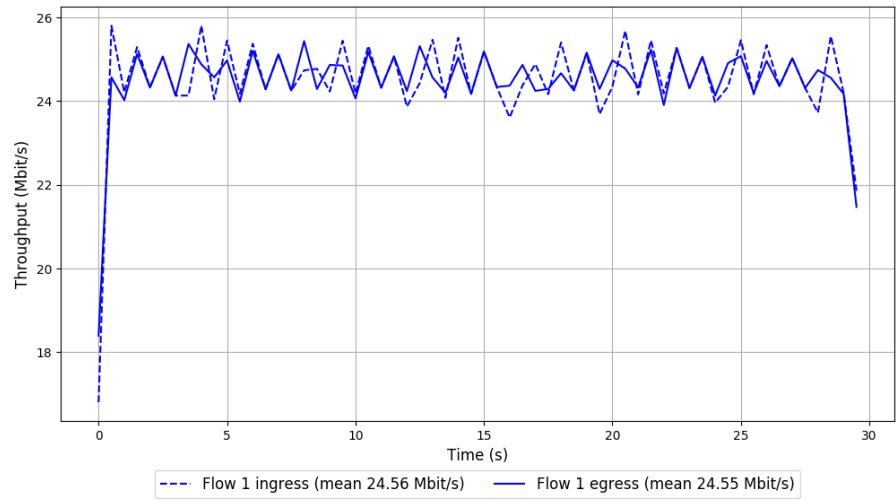


Run 1: Statistics of Sprout

Start at: 2018-02-01 18:00:02
End at: 2018-02-01 18:00:32
Local clock offset: 2.086 ms
Remote clock offset: -21.406 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: -1.463 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: -1.463 ms
Loss rate: 0.03%

Run 1: Report of Sprout — Data Link

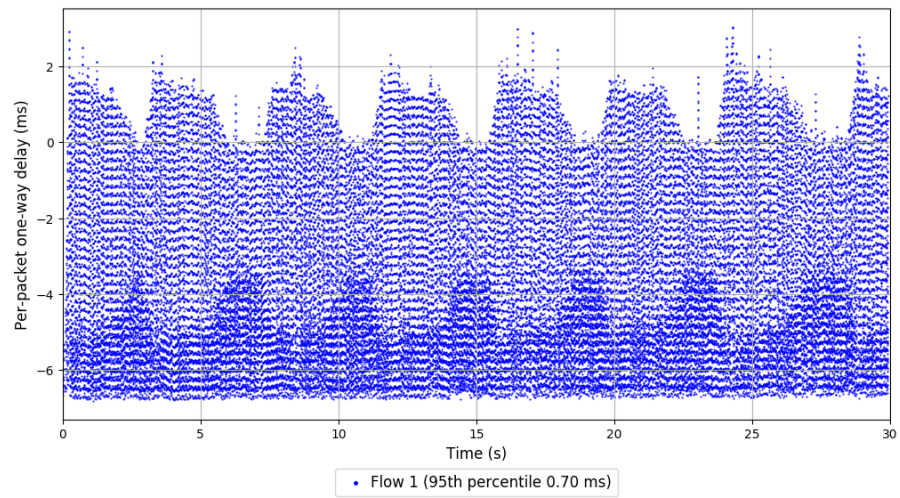
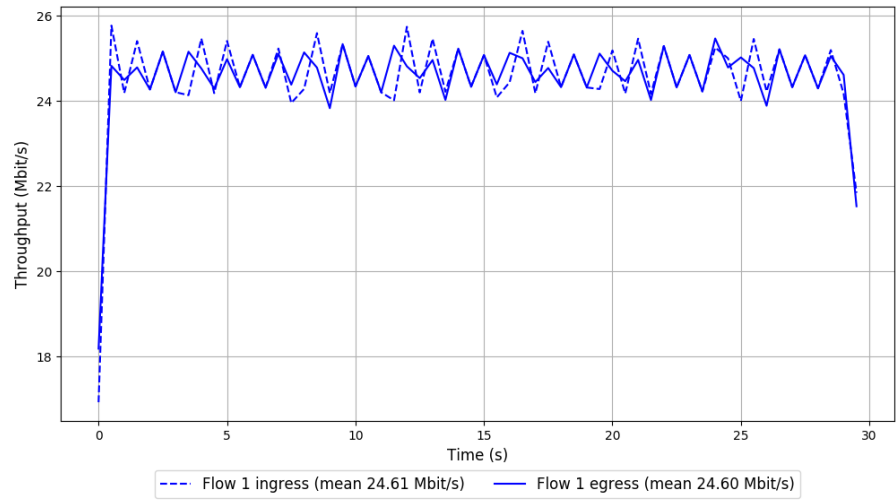


Run 2: Statistics of Sprout

Start at: 2018-02-01 18:22:41
End at: 2018-02-01 18:23:11
Local clock offset: 1.233 ms
Remote clock offset: -23.223 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 0.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 0.704 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

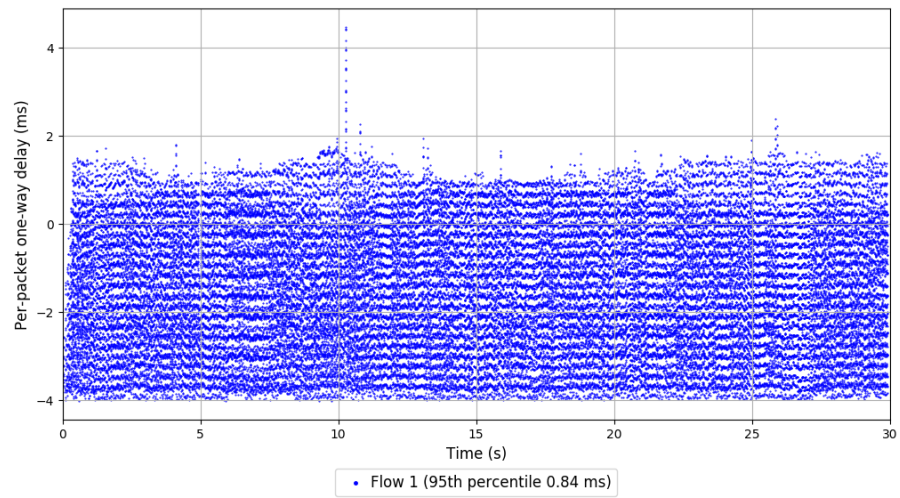
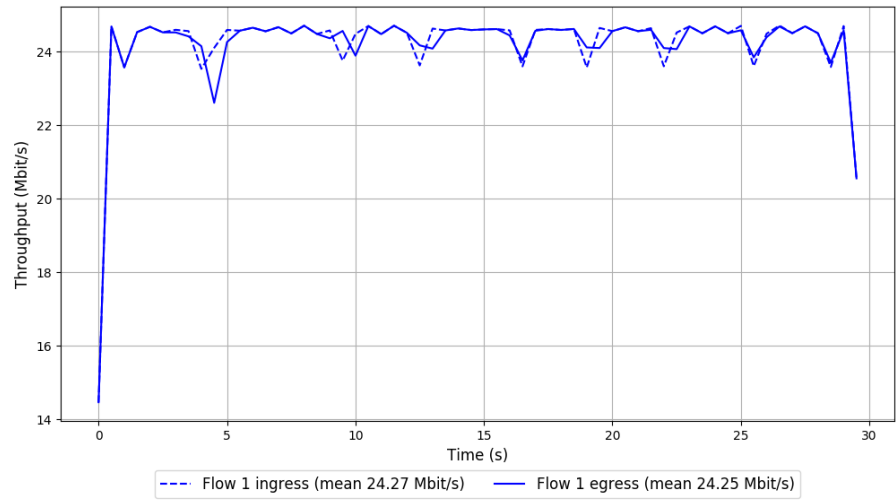


Run 3: Statistics of Sprout

Start at: 2018-02-01 18:45:27
End at: 2018-02-01 18:45:57
Local clock offset: 0.798 ms
Remote clock offset: -23.189 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 0.837 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 0.837 ms
Loss rate: 0.10%

Run 3: Report of Sprout — Data Link

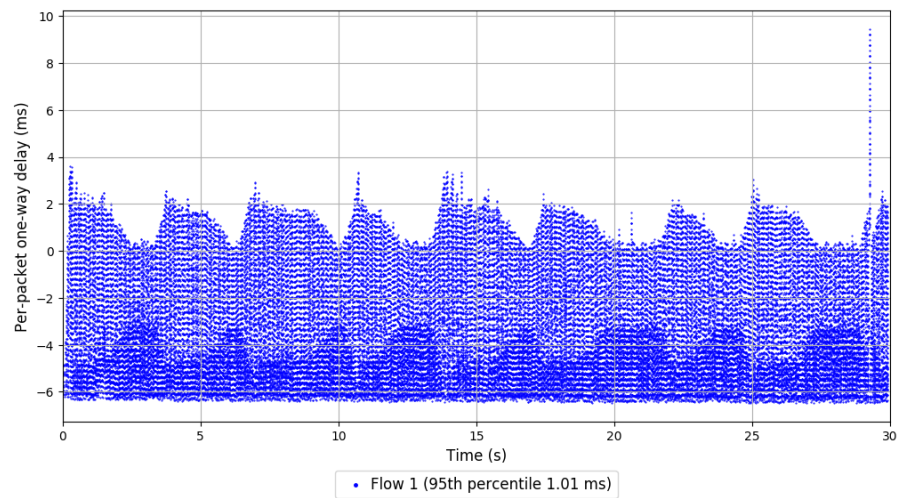
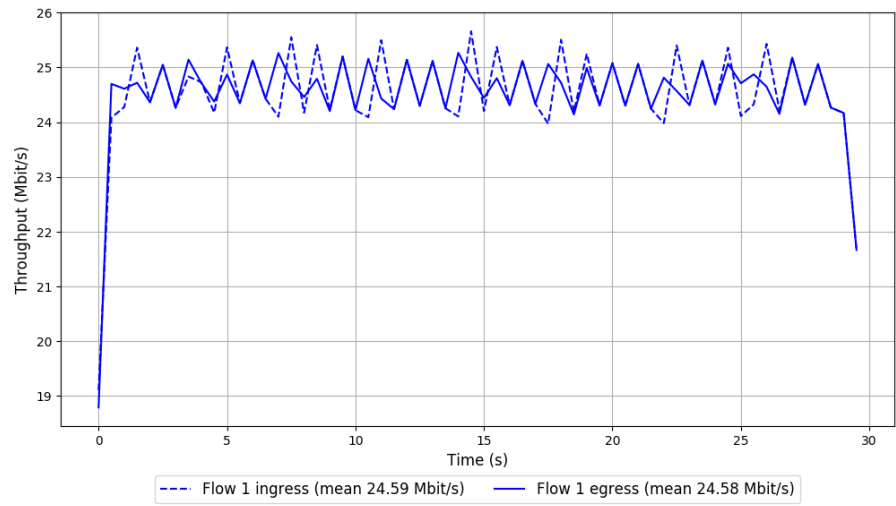


Run 4: Statistics of Sprout

Start at: 2018-02-01 19:07:46
End at: 2018-02-01 19:08:16
Local clock offset: 0.374 ms
Remote clock offset: -18.946 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

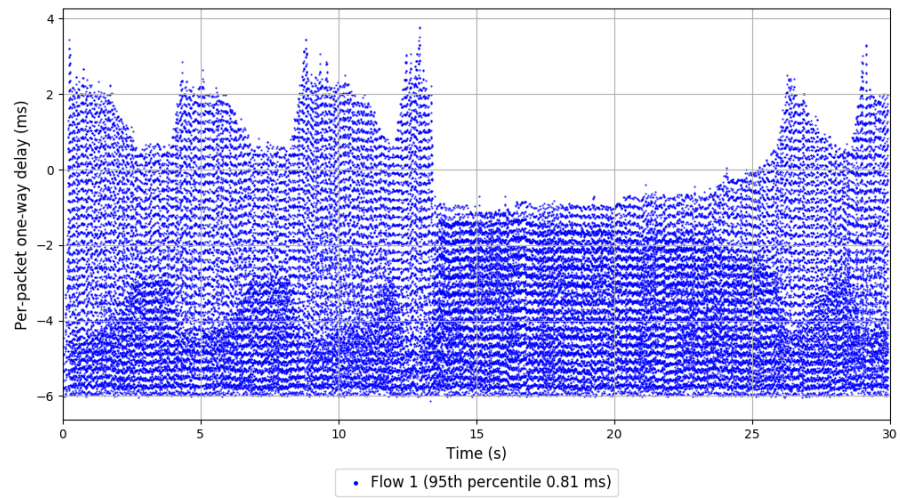
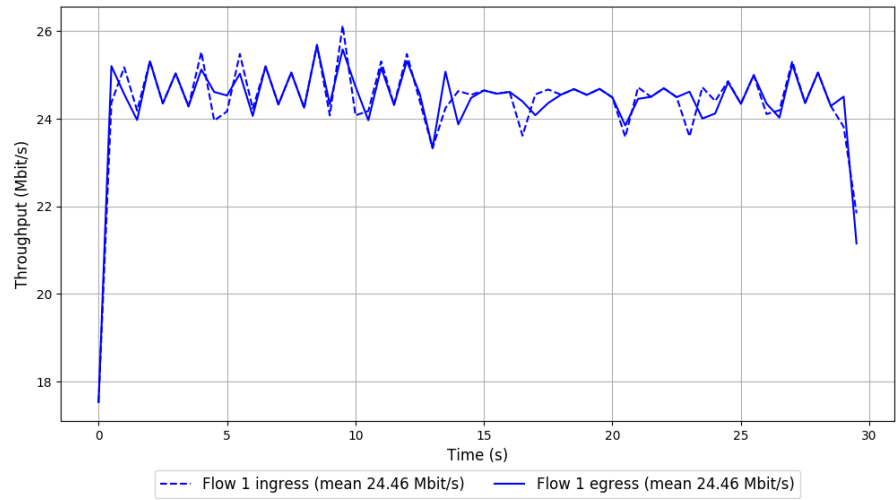


Run 5: Statistics of Sprout

Start at: 2018-02-01 19:30:10
End at: 2018-02-01 19:30:40
Local clock offset: -0.899 ms
Remote clock offset: -17.559 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 0.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 0.811 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

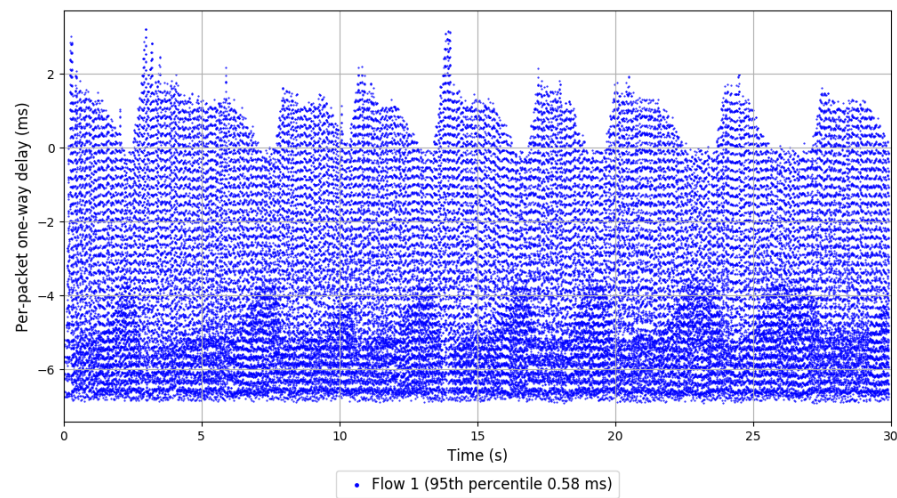
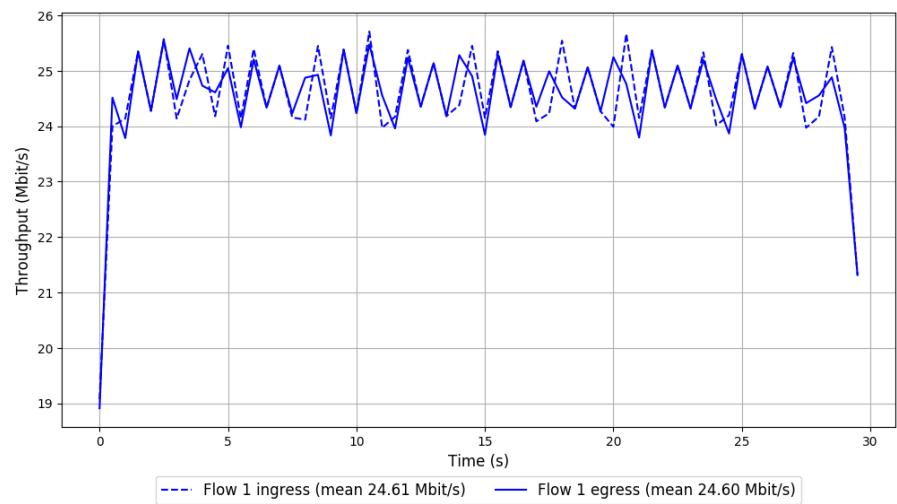


Run 6: Statistics of Sprout

Start at: 2018-02-01 19:52:34
End at: 2018-02-01 19:53:04
Local clock offset: -1.679 ms
Remote clock offset: -18.139 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 0.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 0.583 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

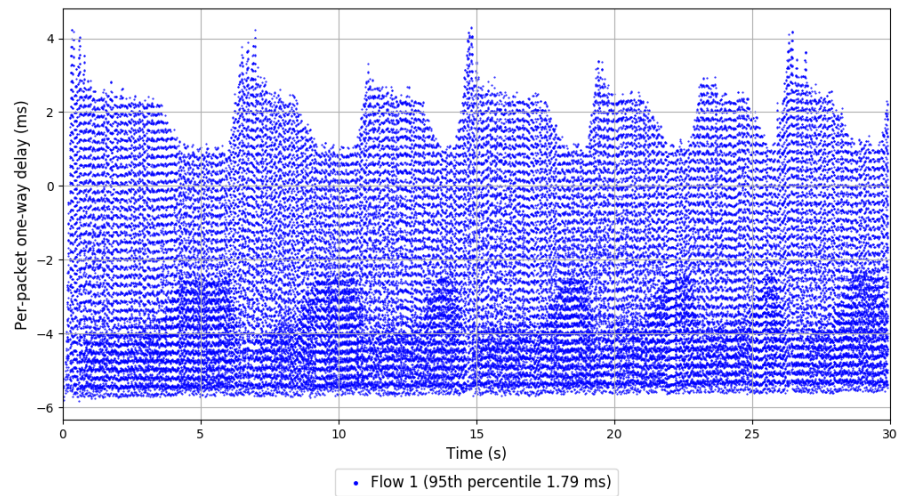
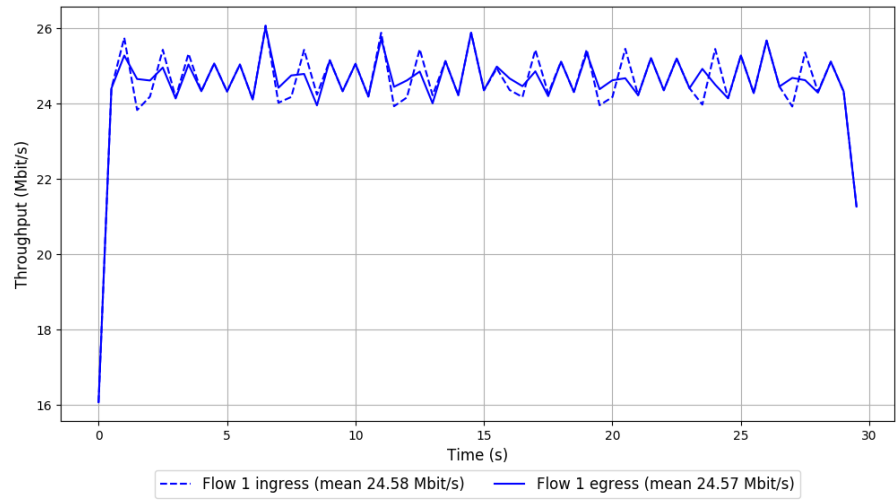


Run 7: Statistics of Sprout

Start at: 2018-02-01 20:15:18
End at: 2018-02-01 20:15:48
Local clock offset: -0.201 ms
Remote clock offset: -18.464 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 1.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 1.794 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

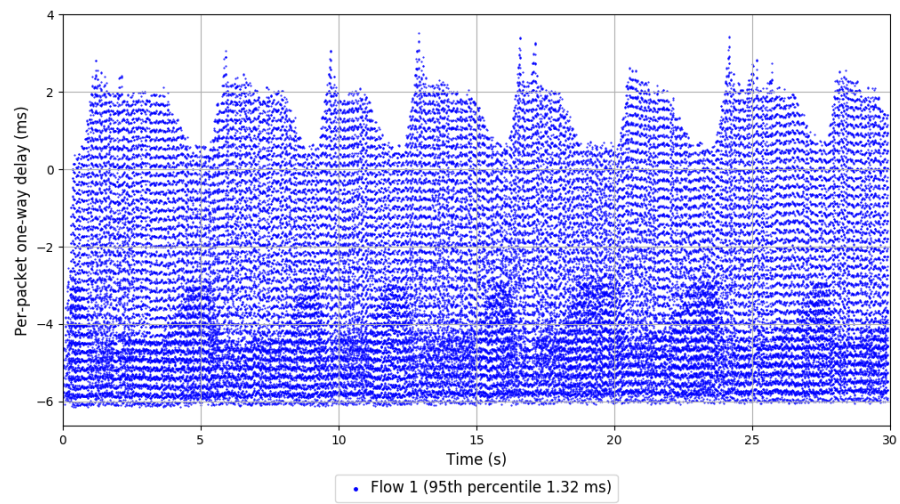
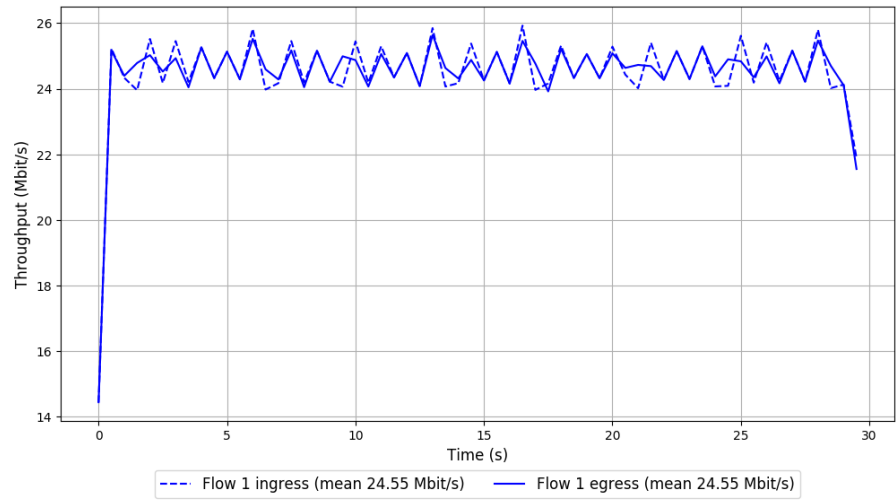


Run 8: Statistics of Sprout

Start at: 2018-02-01 20:38:18
End at: 2018-02-01 20:38:48
Local clock offset: 2.859 ms
Remote clock offset: -21.313 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

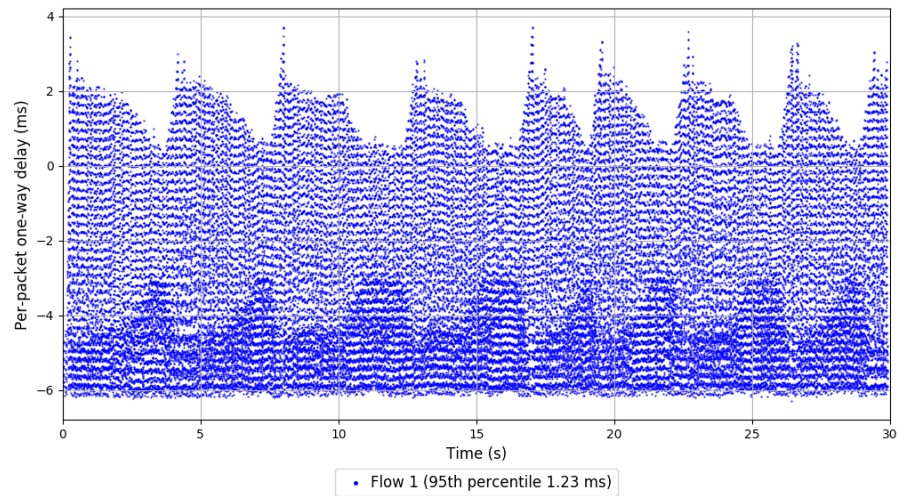
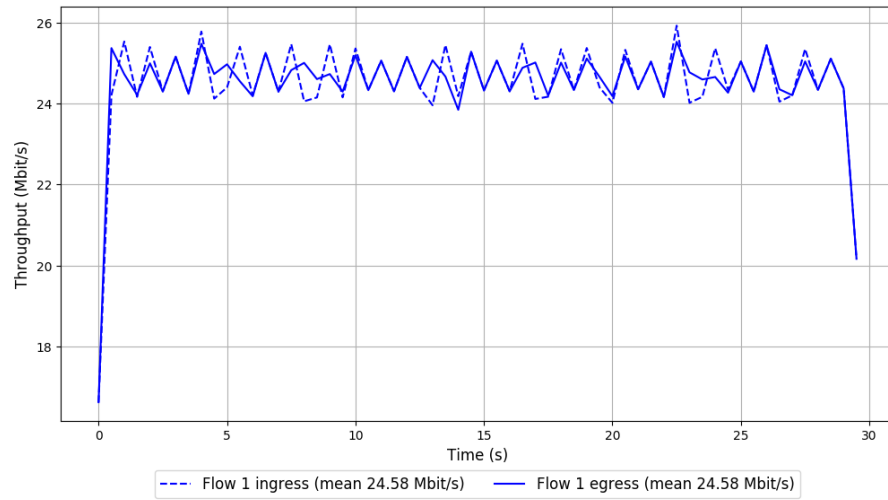


Run 9: Statistics of Sprout

Start at: 2018-02-01 21:00:55
End at: 2018-02-01 21:01:25
Local clock offset: 4.337 ms
Remote clock offset: -22.228 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

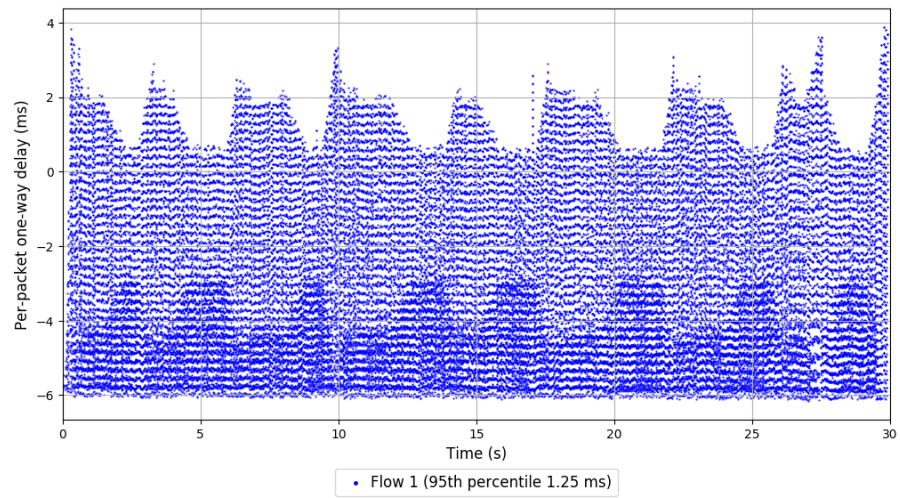
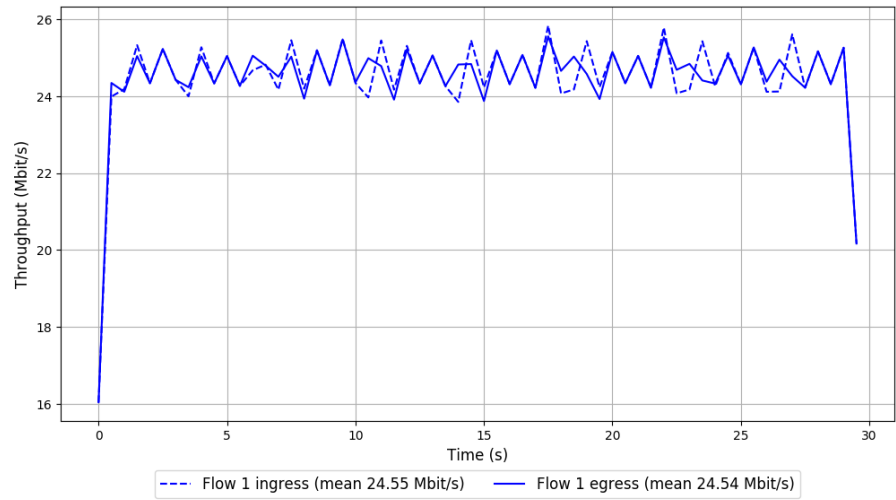


Run 10: Statistics of Sprout

Start at: 2018-02-01 21:23:33
End at: 2018-02-01 21:24:04
Local clock offset: 2.275 ms
Remote clock offset: -18.273 ms

Below is generated by plot.py at 2018-02-01 22:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

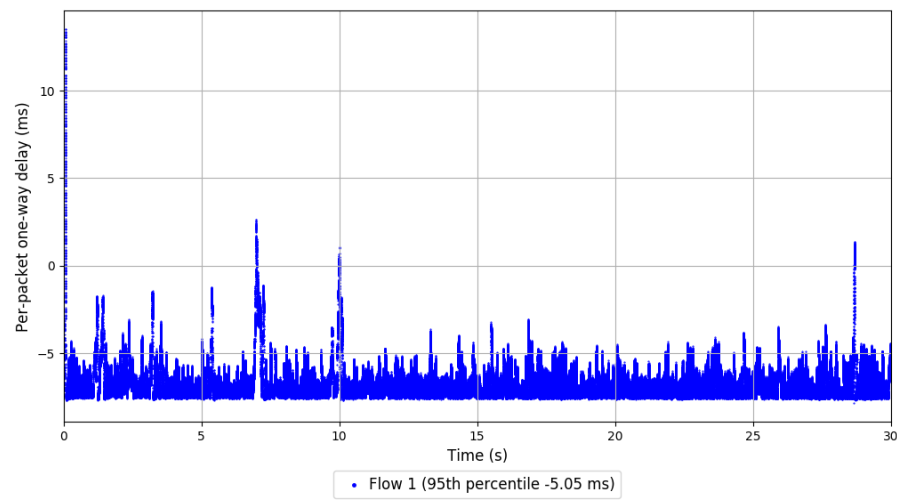
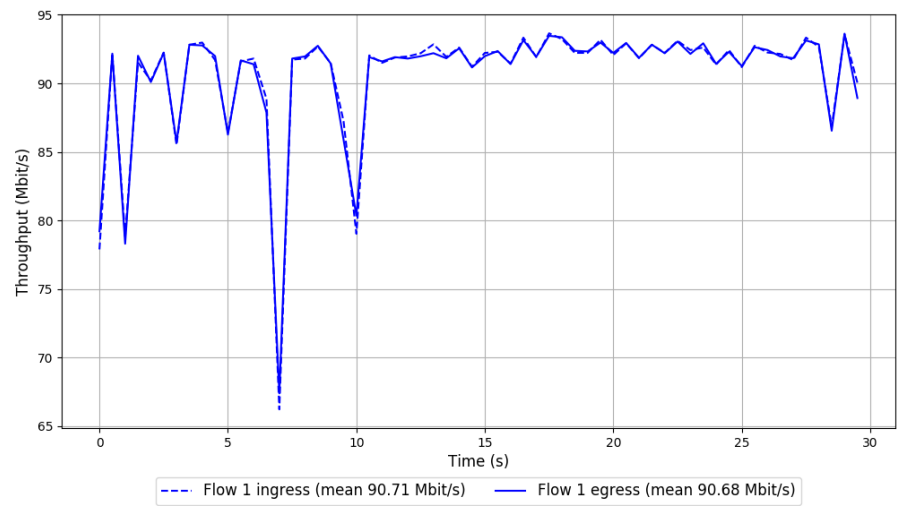


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-01 17:45:31
End at: 2018-02-01 17:46:01
Local clock offset: 2.231 ms
Remote clock offset: -19.652 ms

Below is generated by plot.py at 2018-02-01 22:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: -5.050 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: -5.050 ms
Loss rate: 0.03%

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

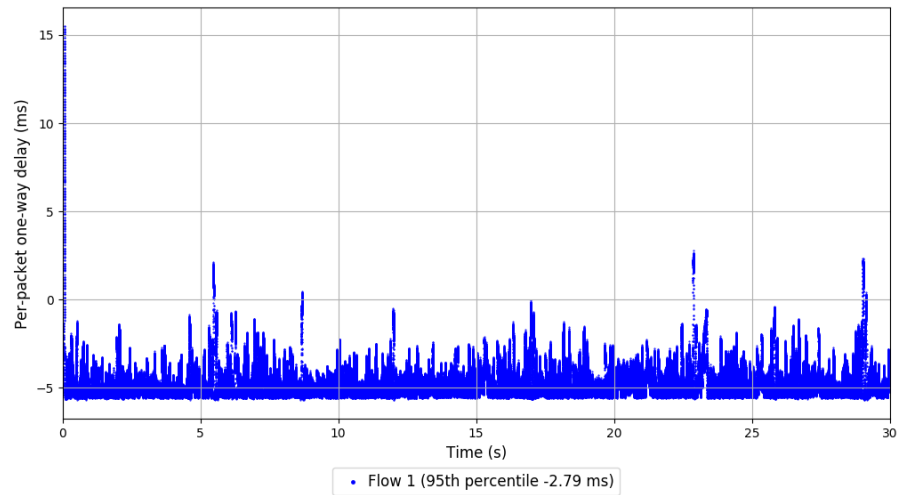
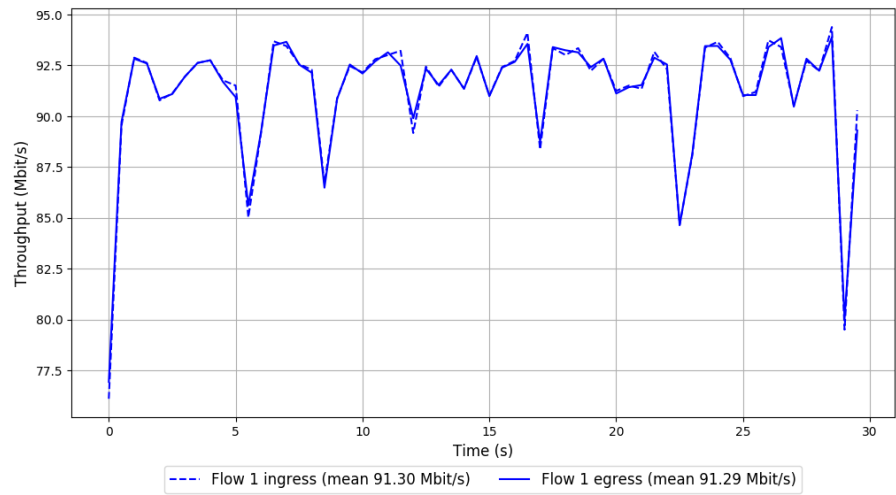


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-01 18:08:26
End at: 2018-02-01 18:08:56
Local clock offset: 0.026 ms
Remote clock offset: -20.659 ms

Below is generated by plot.py at 2018-02-01 22:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: -2.794 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: -2.794 ms
Loss rate: 0.01%

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

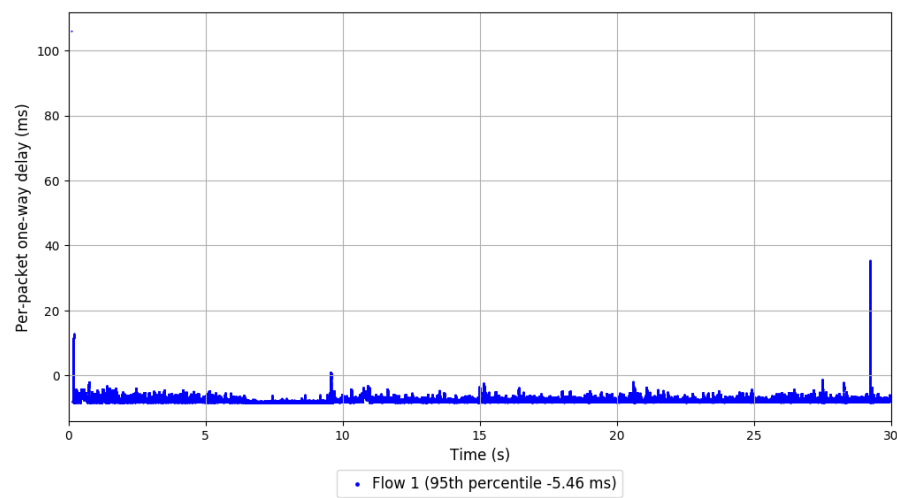
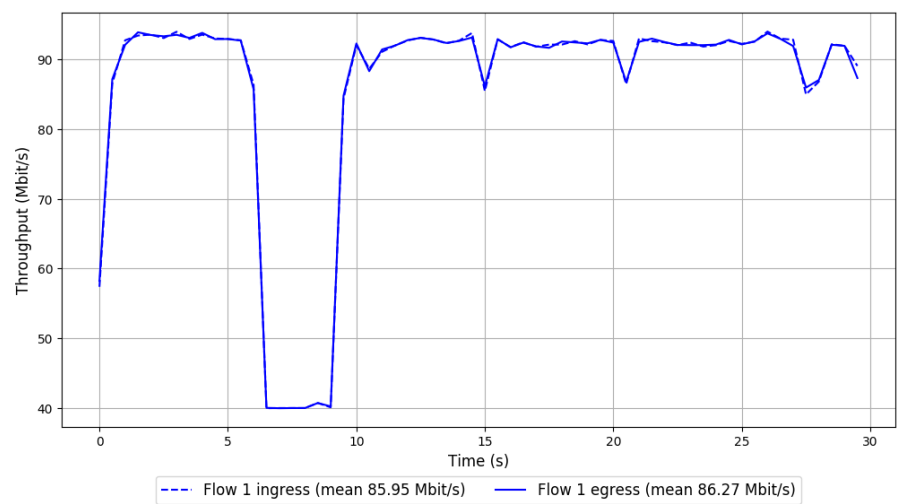


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-01 18:31:01
End at: 2018-02-01 18:31:31
Local clock offset: 3.647 ms
Remote clock offset: -23.441 ms

Below is generated by plot.py at 2018-02-01 22:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: -5.462 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: -5.462 ms
Loss rate: 0.01%

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

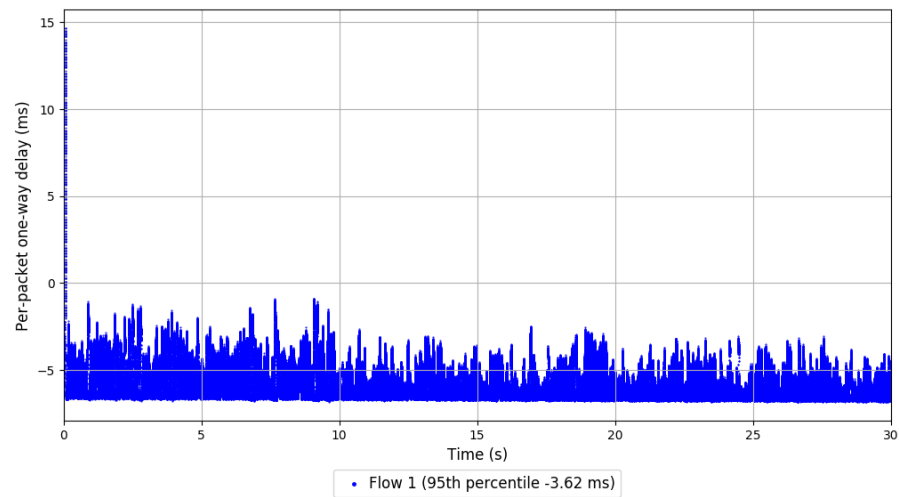
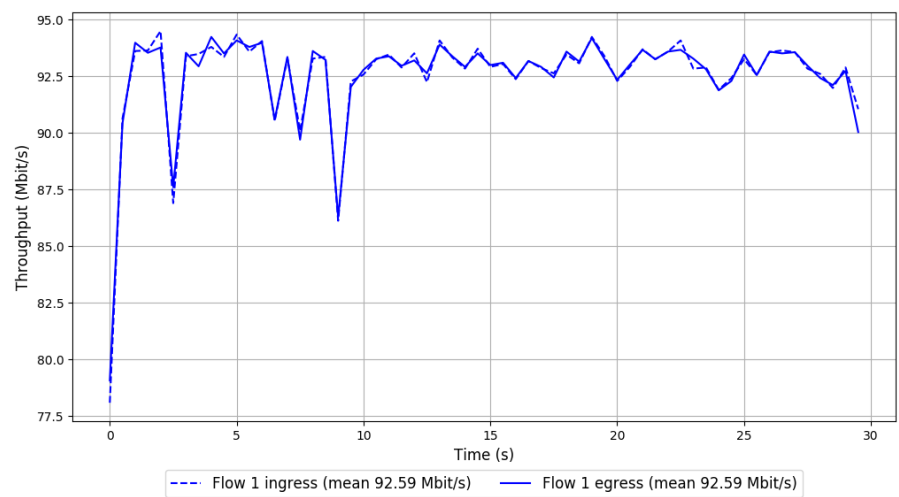


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-01 18:53:33
End at: 2018-02-01 18:54:03
Local clock offset: 2.572 ms
Remote clock offset: -20.936 ms

Below is generated by plot.py at 2018-02-01 22:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: -3.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: -3.625 ms
Loss rate: 0.00%

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

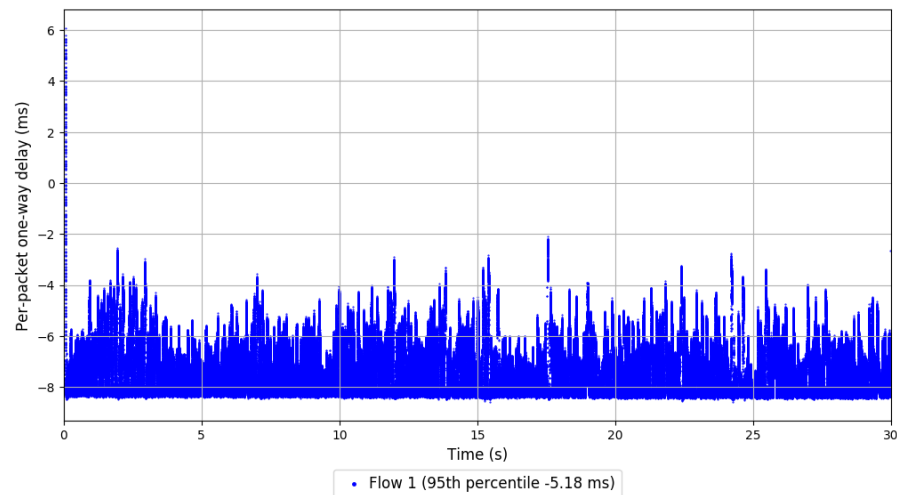
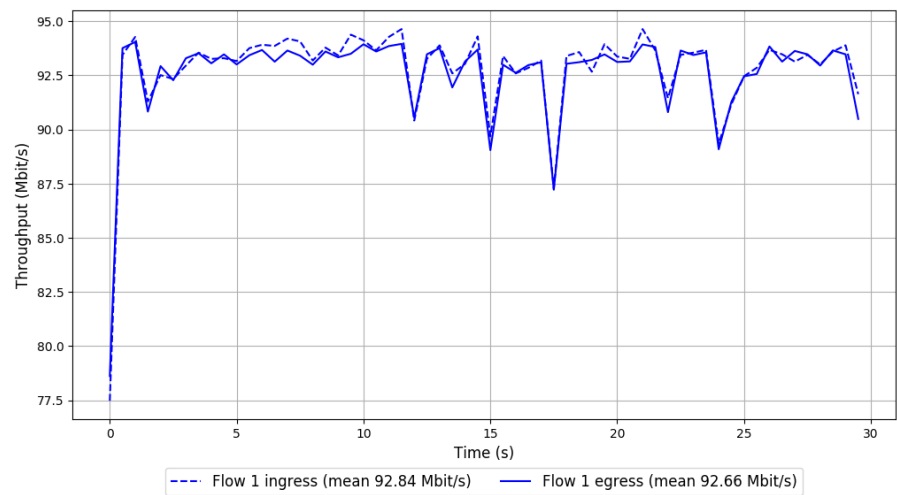


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-01 19:16:01
End at: 2018-02-01 19:16:32
Local clock offset: -2.427 ms
Remote clock offset: -22.41 ms

Below is generated by plot.py at 2018-02-01 22:06:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: -5.181 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: -5.181 ms
Loss rate: 0.18%

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

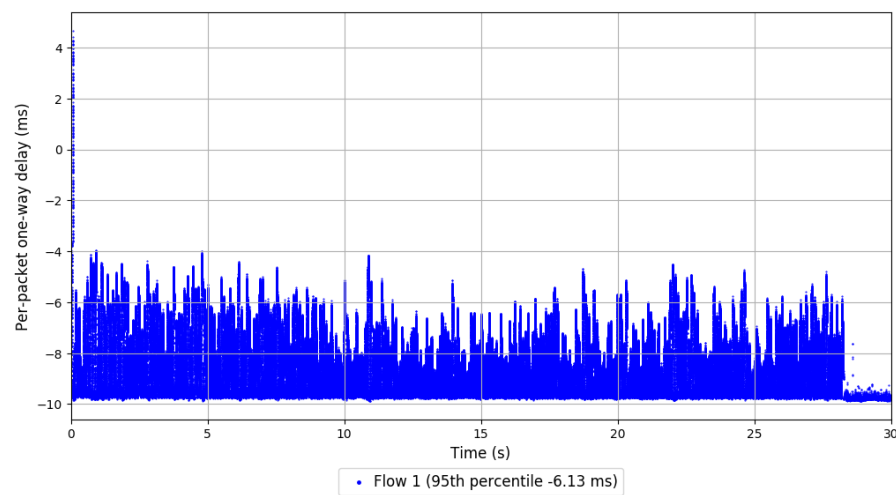
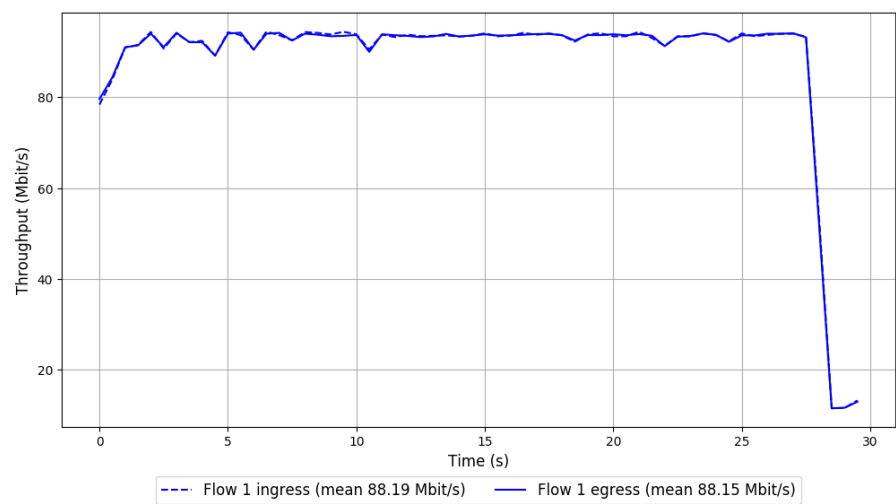


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-01 19:38:16
End at: 2018-02-01 19:38:46
Local clock offset: 0.249 ms
Remote clock offset: -19.874 ms

Below is generated by plot.py at 2018-02-01 22:06:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: -6.126 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: -6.126 ms
Loss rate: 0.05%

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

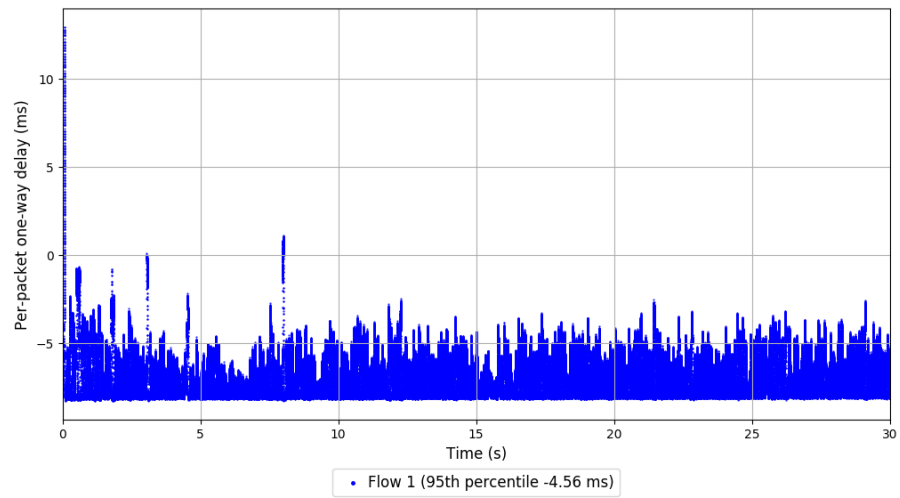
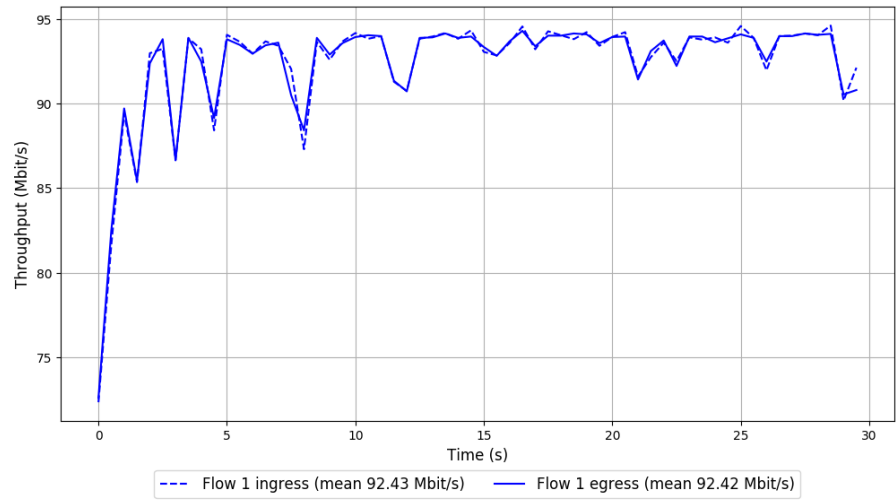


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-01 20:00:53
End at: 2018-02-01 20:01:23
Local clock offset: -0.388 ms
Remote clock offset: -18.79 ms

Below is generated by plot.py at 2018-02-01 22:06:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: -4.561 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: -4.561 ms
Loss rate: 0.01%

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

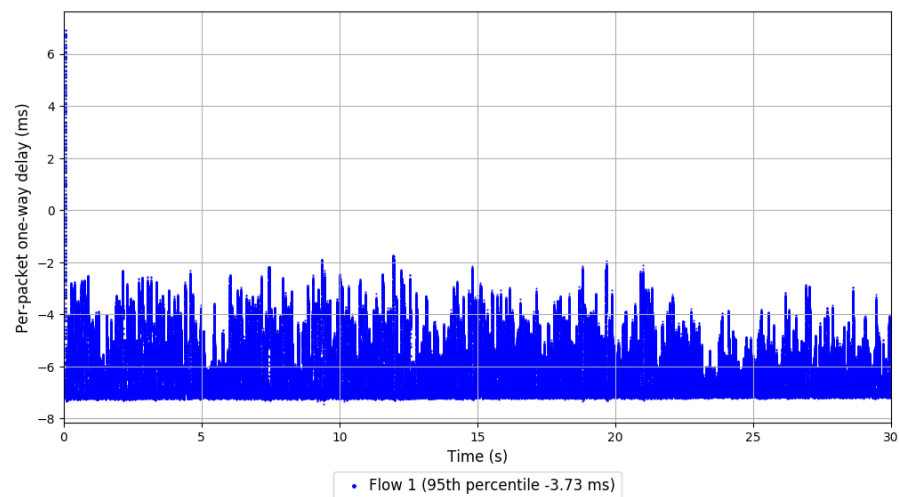
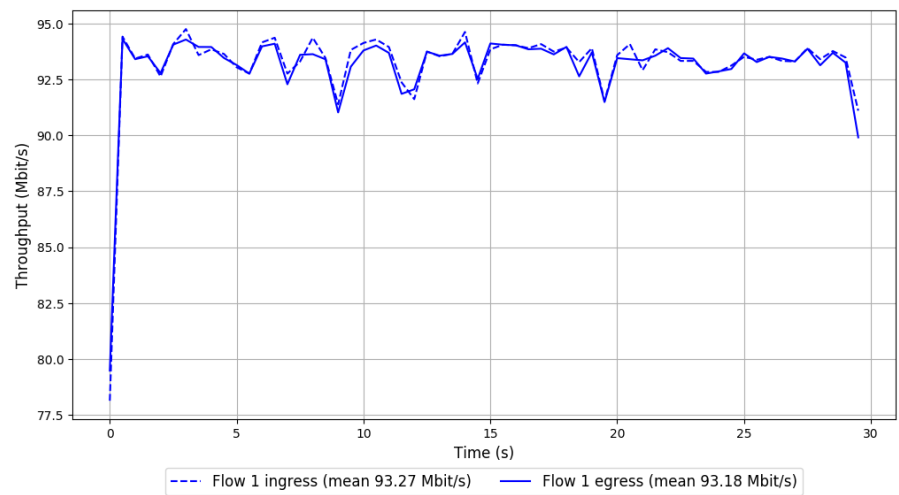


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-01 20:23:41
End at: 2018-02-01 20:24:11
Local clock offset: 1.429 ms
Remote clock offset: -20.216 ms

Below is generated by plot.py at 2018-02-01 22:06:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: -3.727 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: -3.727 ms
Loss rate: 0.10%

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

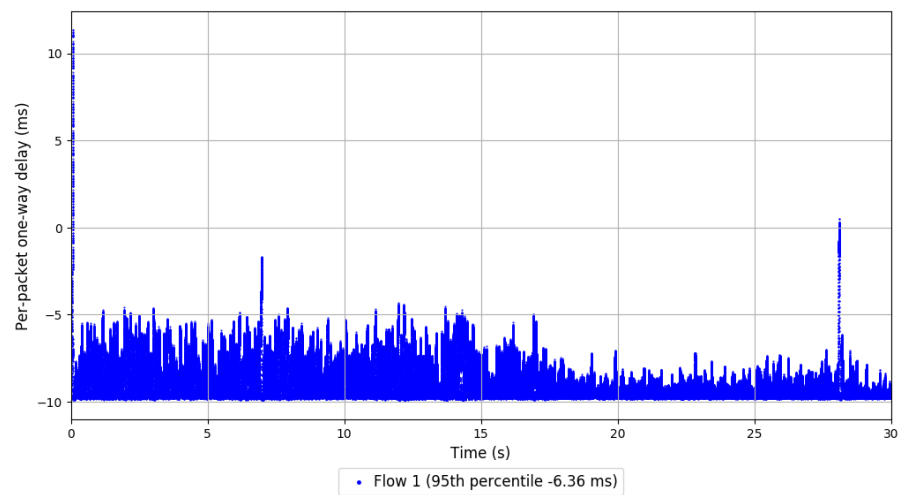
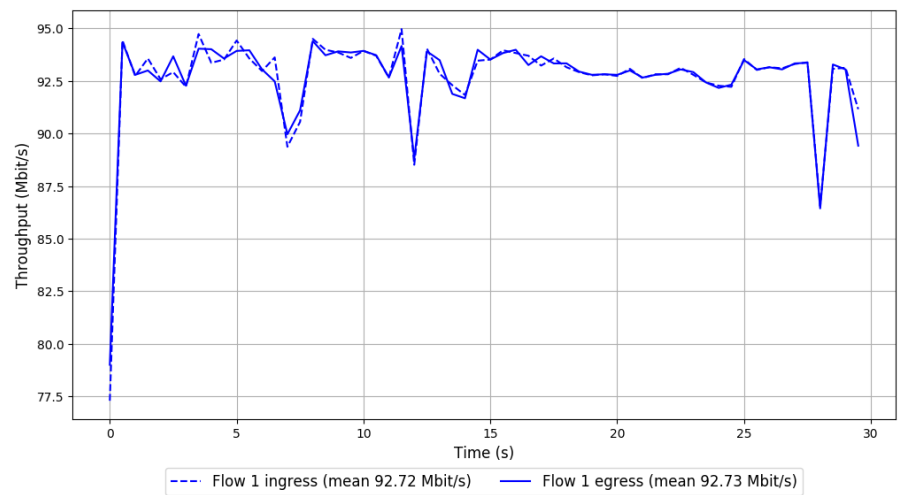


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-01 20:46:37
End at: 2018-02-01 20:47:07
Local clock offset: 6.003 ms
Remote clock offset: -23.269 ms

Below is generated by plot.py at 2018-02-01 22:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: -6.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: -6.360 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-01 21:09:24

End at: 2018-02-01 21:09:54

Local clock offset: 3.006 ms

Remote clock offset: -19.715 ms

Below is generated by plot.py at 2018-02-01 22:08:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: -1.809 ms

Loss rate: 0.00%

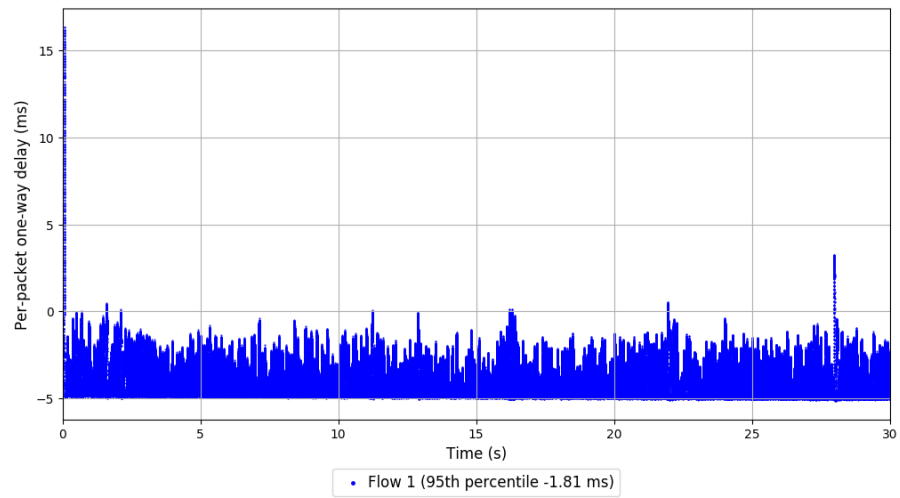
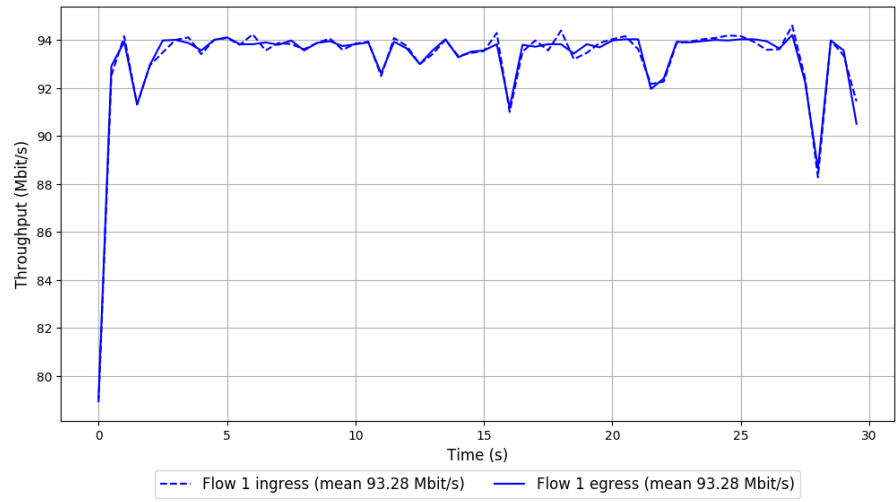
-- Flow 1:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: -1.809 ms

Loss rate: 0.00%

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

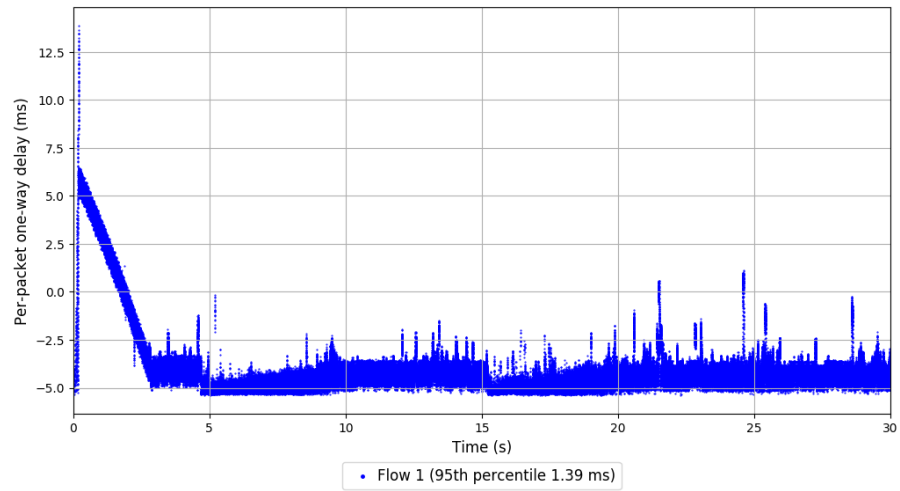
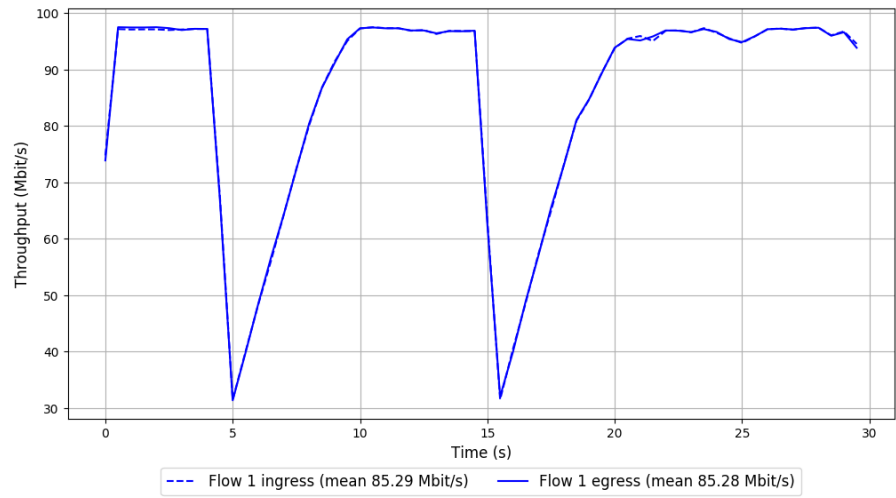


Run 1: Statistics of TCP Vegas

Start at: 2018-02-01 17:46:46
End at: 2018-02-01 17:47:16
Local clock offset: -0.293 ms
Remote clock offset: -19.778 ms

Below is generated by plot.py at 2018-02-01 22:08:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 1.386 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 1.386 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

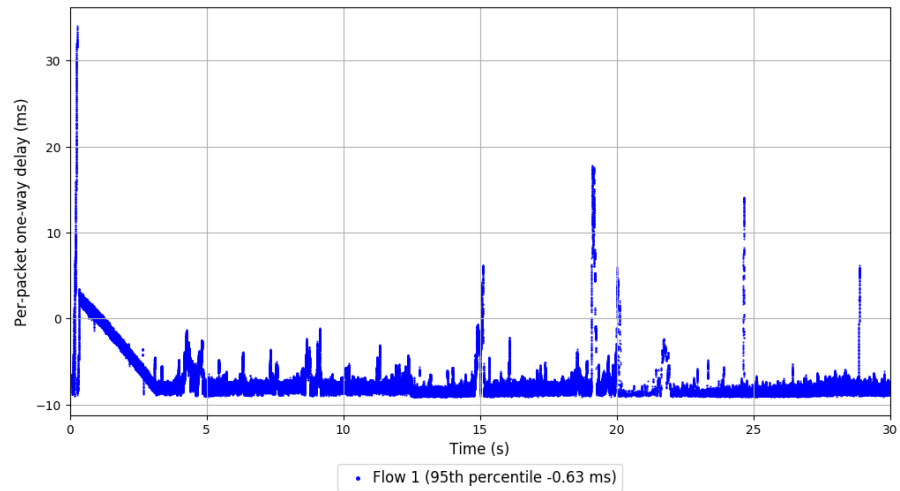
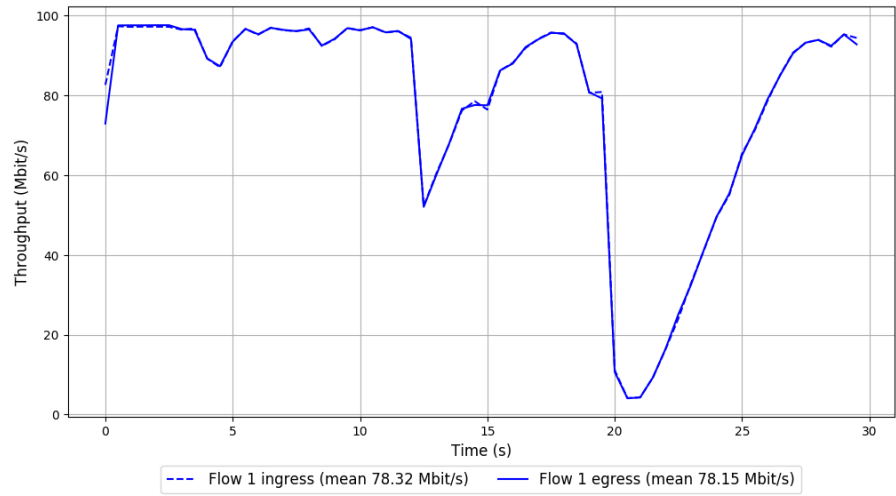


Run 2: Statistics of TCP Vegas

Start at: 2018-02-01 18:09:43
End at: 2018-02-01 18:10:13
Local clock offset: 1.787 ms
Remote clock offset: -22.327 ms

Below is generated by plot.py at 2018-02-01 22:08:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: -0.629 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: -0.629 ms
Loss rate: 0.21%

Run 2: Report of TCP Vegas — Data Link

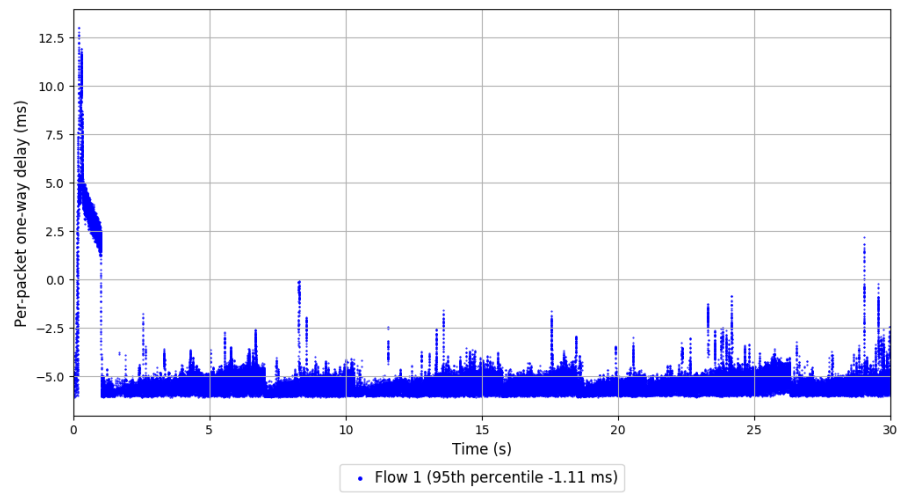
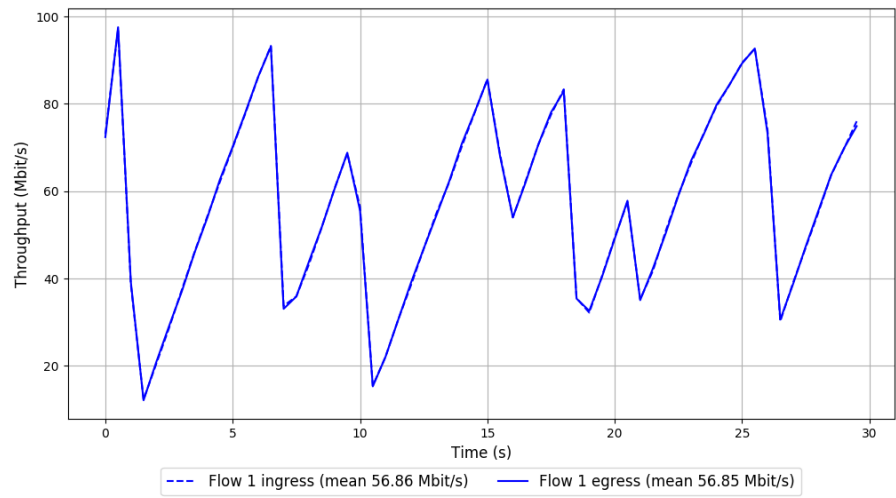


Run 3: Statistics of TCP Vegas

Start at: 2018-02-01 18:32:22
End at: 2018-02-01 18:32:52
Local clock offset: 2.558 ms
Remote clock offset: -22.465 ms

Below is generated by plot.py at 2018-02-01 22:08:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.85 Mbit/s
95th percentile per-packet one-way delay: -1.111 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.85 Mbit/s
95th percentile per-packet one-way delay: -1.111 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

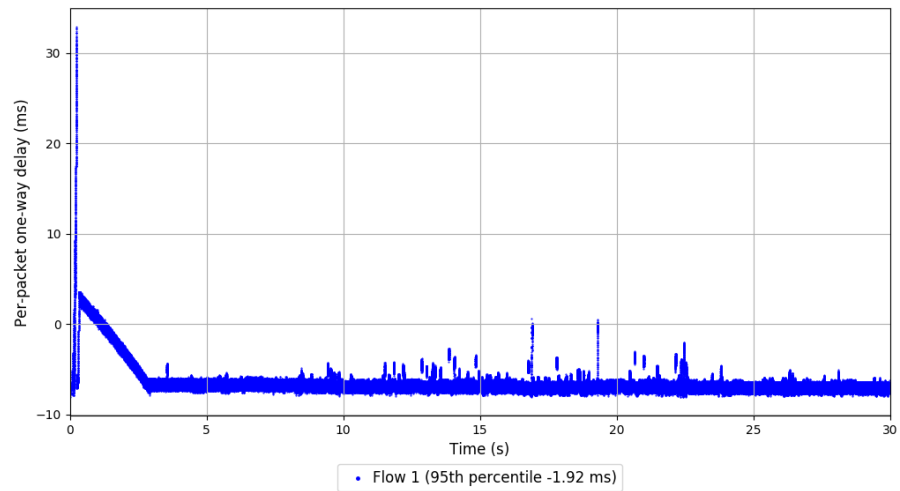
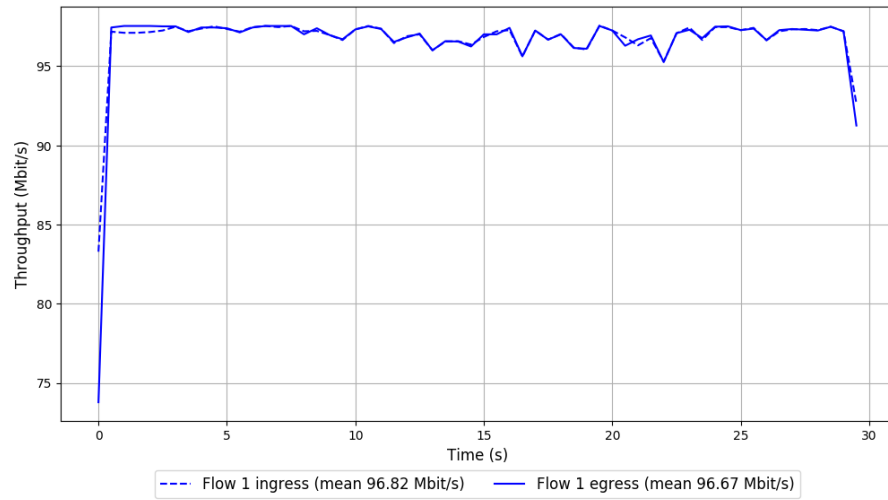


Run 4: Statistics of TCP Vegas

Start at: 2018-02-01 18:54:50
End at: 2018-02-01 18:55:20
Local clock offset: 2.991 ms
Remote clock offset: -21.443 ms

Below is generated by plot.py at 2018-02-01 22:08:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: -1.919 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: -1.919 ms
Loss rate: 0.16%

Run 4: Report of TCP Vegas — Data Link

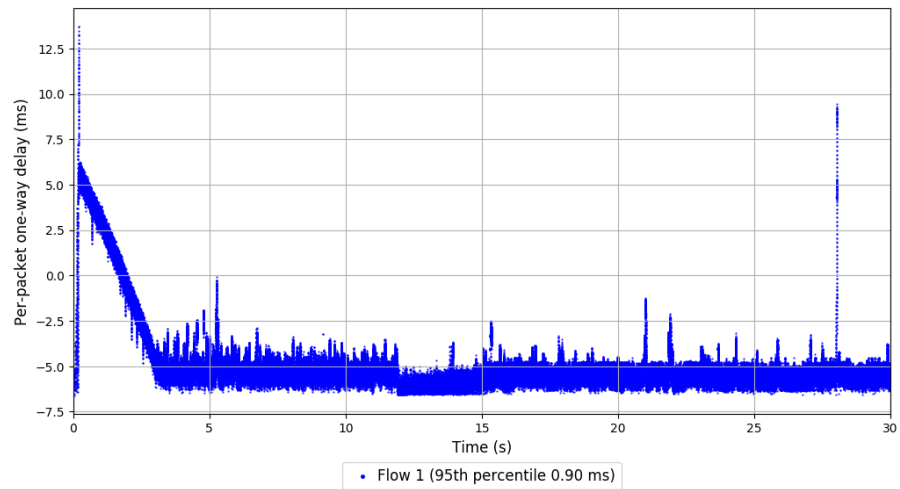
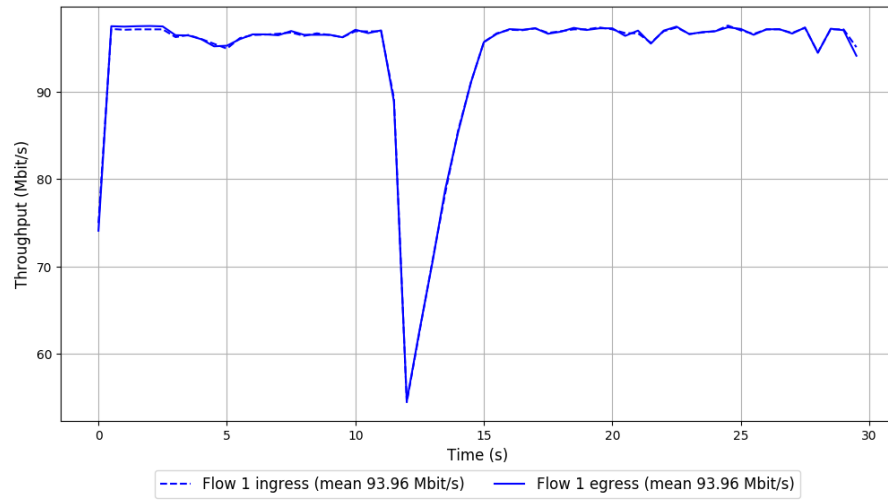


Run 5: Statistics of TCP Vegas

Start at: 2018-02-01 19:17:17
End at: 2018-02-01 19:17:47
Local clock offset: -0.701 ms
Remote clock offset: -18.53 ms

Below is generated by plot.py at 2018-02-01 22:08:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 0.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 0.903 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

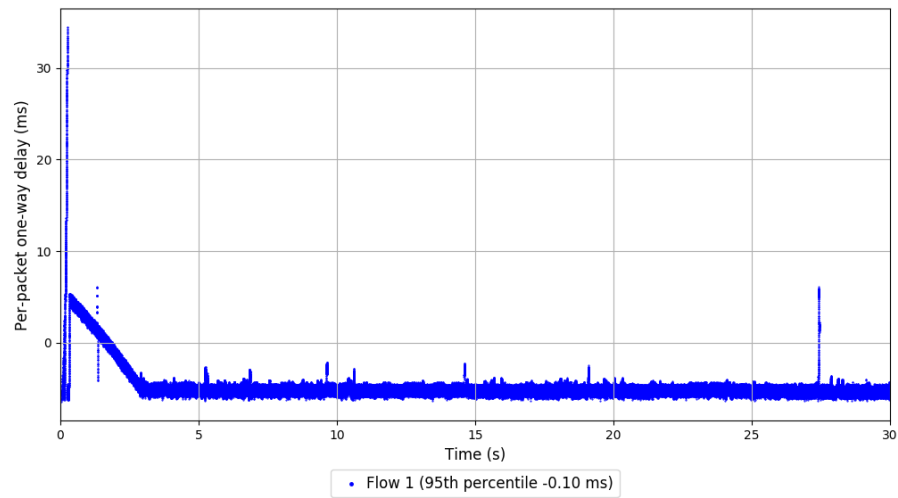
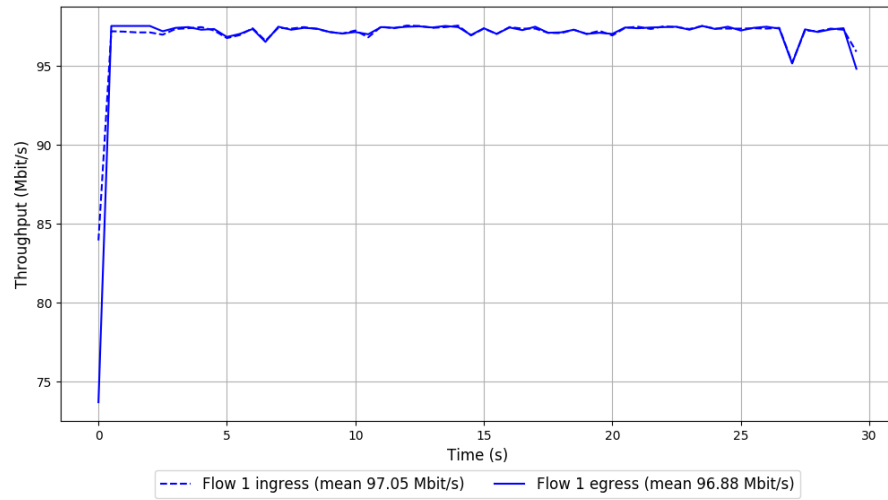


Run 6: Statistics of TCP Vegas

Start at: 2018-02-01 19:39:31
End at: 2018-02-01 19:40:01
Local clock offset: -1.297 ms
Remote clock offset: -17.968 ms

Below is generated by plot.py at 2018-02-01 22:08:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: -0.099 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: -0.099 ms
Loss rate: 0.16%

Run 6: Report of TCP Vegas — Data Link

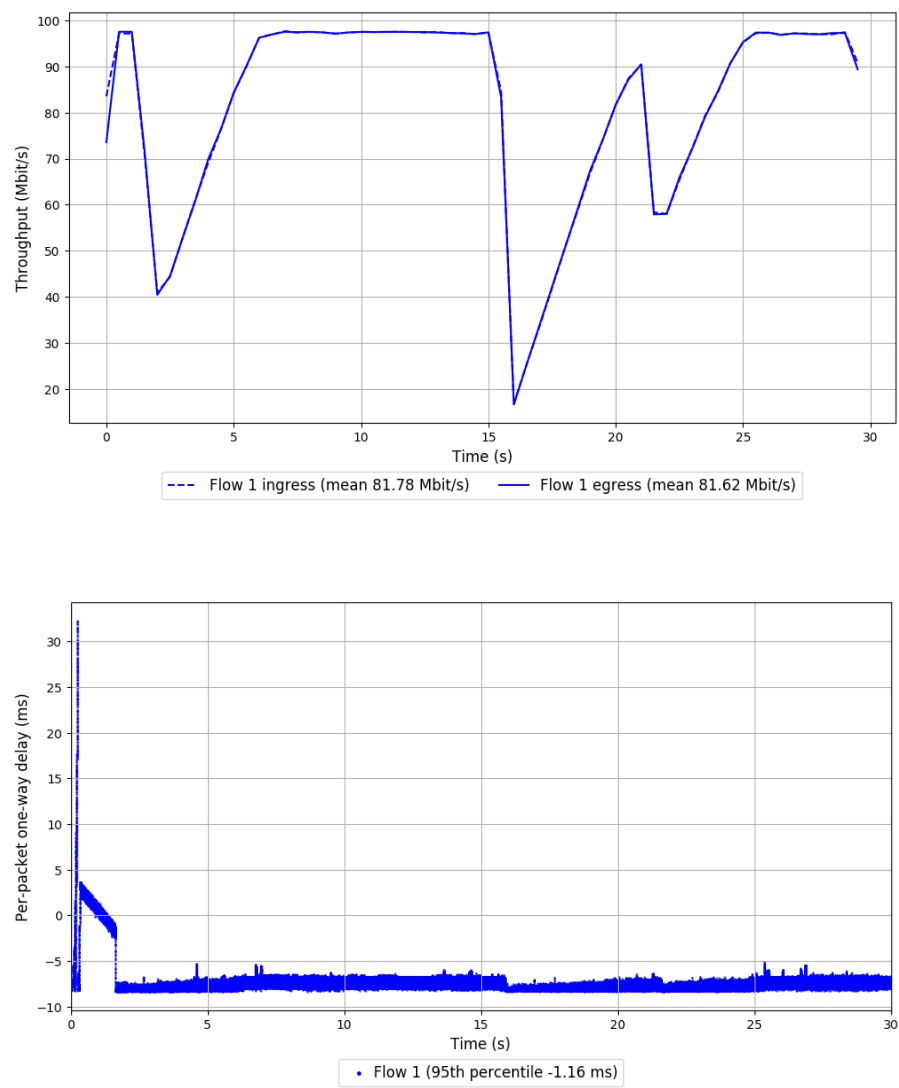


Run 7: Statistics of TCP Vegas

Start at: 2018-02-01 20:02:09
End at: 2018-02-01 20:02:39
Local clock offset: -0.955 ms
Remote clock offset: -19.47 ms

Below is generated by plot.py at 2018-02-01 22:08:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: -1.157 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: -1.157 ms
Loss rate: 0.20%

Run 7: Report of TCP Vegas — Data Link

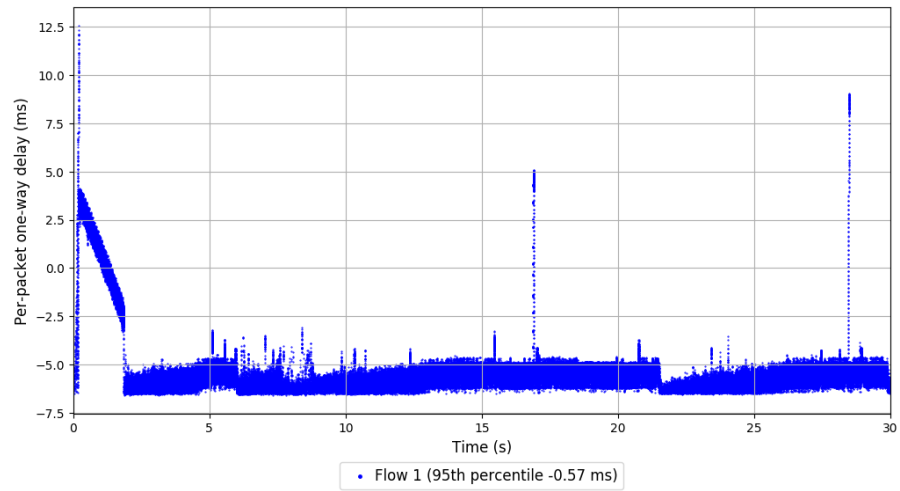
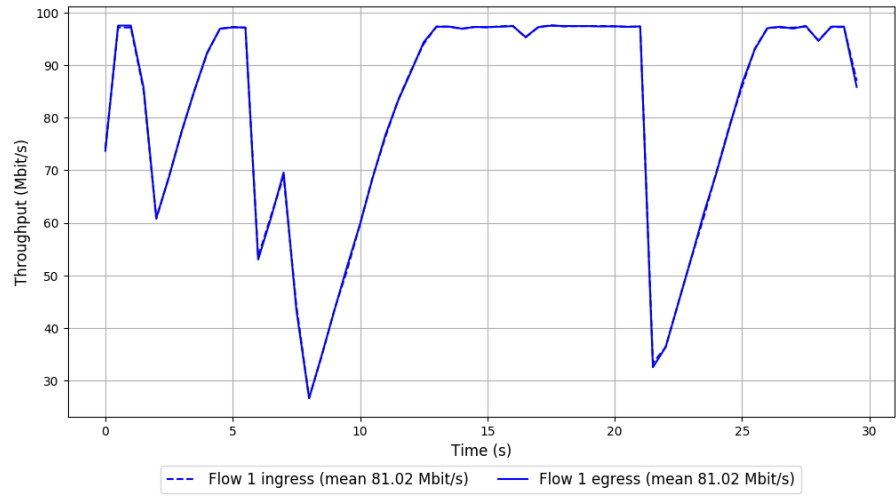


Run 8: Statistics of TCP Vegas

Start at: 2018-02-01 20:24:56
End at: 2018-02-01 20:25:26
Local clock offset: 1.525 ms
Remote clock offset: -19.457 ms

Below is generated by plot.py at 2018-02-01 22:08:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.02 Mbit/s
95th percentile per-packet one-way delay: -0.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.02 Mbit/s
95th percentile per-packet one-way delay: -0.571 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

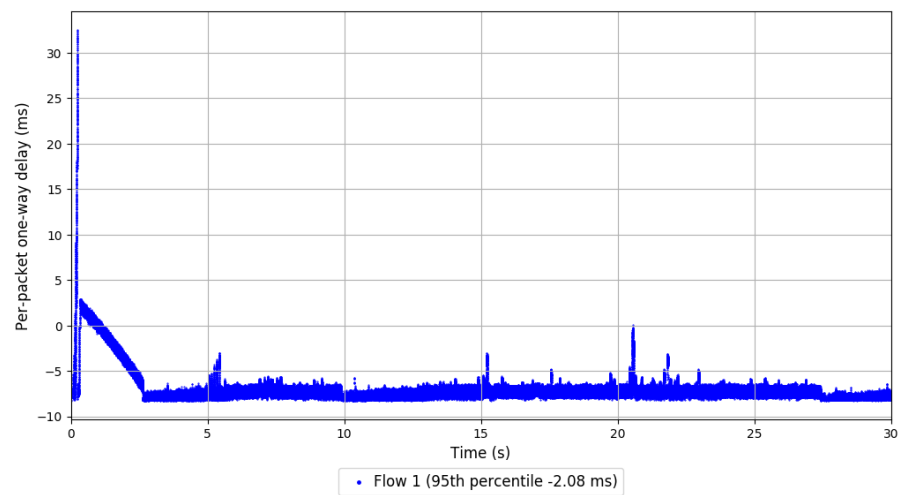
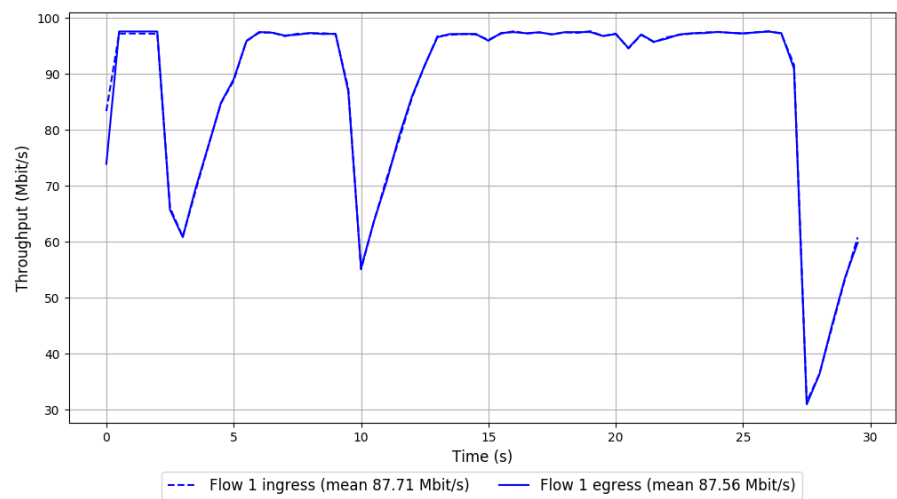


Run 9: Statistics of TCP Vegas

Start at: 2018-02-01 20:47:51
End at: 2018-02-01 20:48:21
Local clock offset: 4.475 ms
Remote clock offset: -23.238 ms

Below is generated by plot.py at 2018-02-01 22:08:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: -2.078 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: -2.078 ms
Loss rate: 0.17%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-01 21:10:40
End at: 2018-02-01 21:11:10
Local clock offset: 4.111 ms
Remote clock offset: -21.253 ms

Below is generated by plot.py at 2018-02-01 22:09:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.38 Mbit/s

95th percentile per-packet one-way delay: -1.821 ms

Loss rate: 0.00%

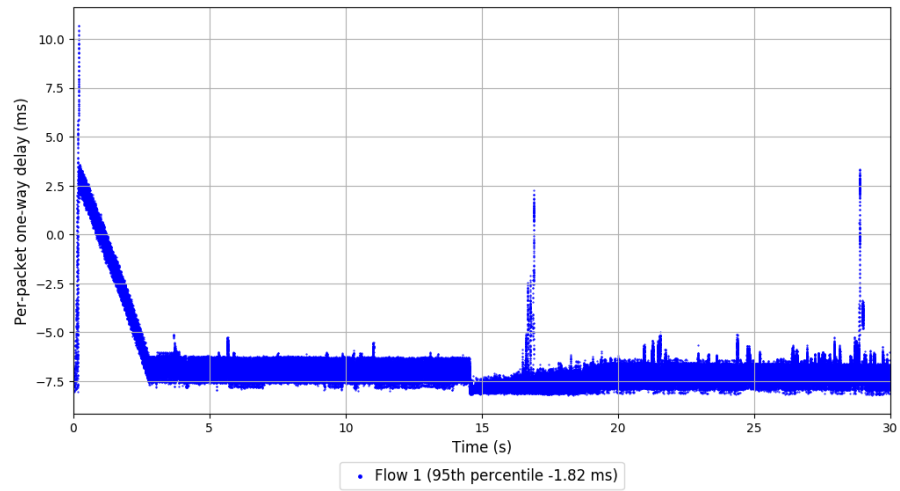
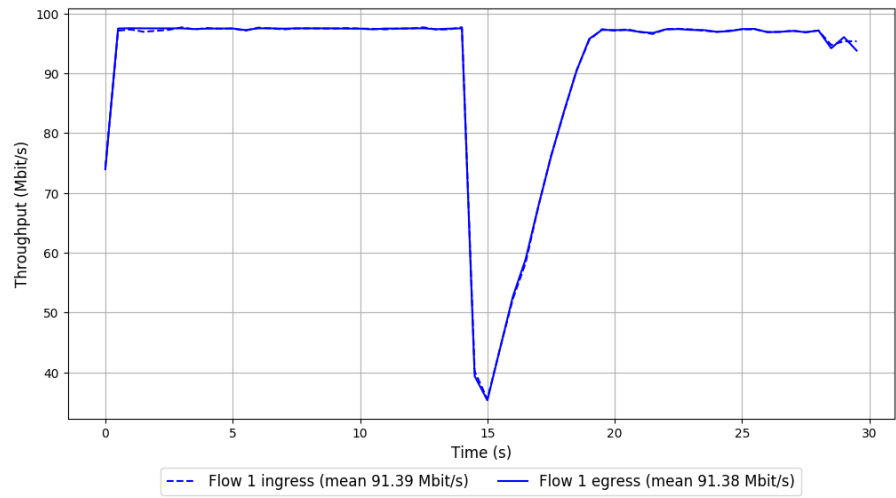
-- Flow 1:

Average throughput: 91.38 Mbit/s

95th percentile per-packet one-way delay: -1.821 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

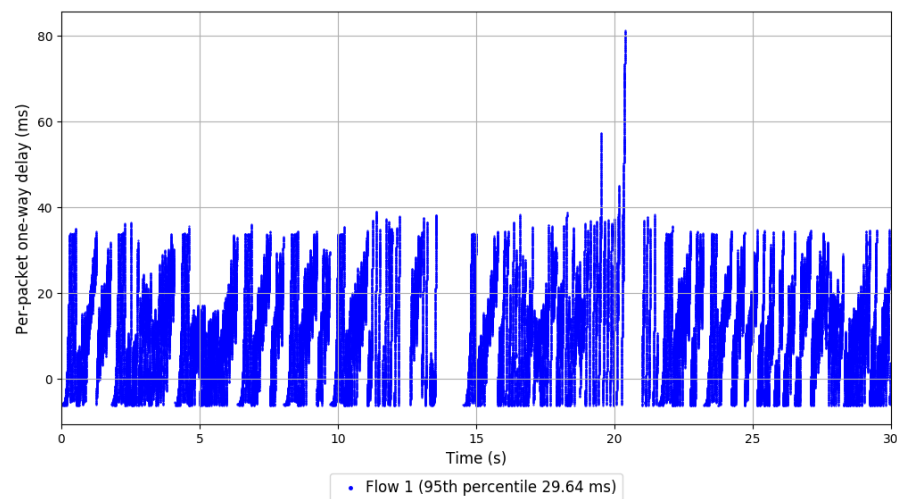
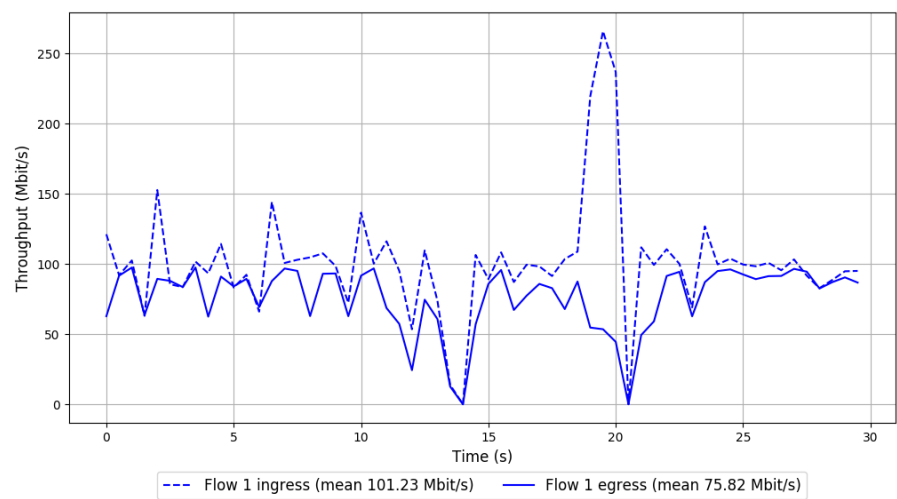


Run 1: Statistics of Verus

Start at: 2018-02-01 17:44:18
End at: 2018-02-01 17:44:48
Local clock offset: 0.505 ms
Remote clock offset: -19.982 ms

Below is generated by plot.py at 2018-02-01 22:09:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.82 Mbit/s
95th percentile per-packet one-way delay: 29.637 ms
Loss rate: 25.08%
-- Flow 1:
Average throughput: 75.82 Mbit/s
95th percentile per-packet one-way delay: 29.637 ms
Loss rate: 25.08%

Run 1: Report of Verus — Data Link

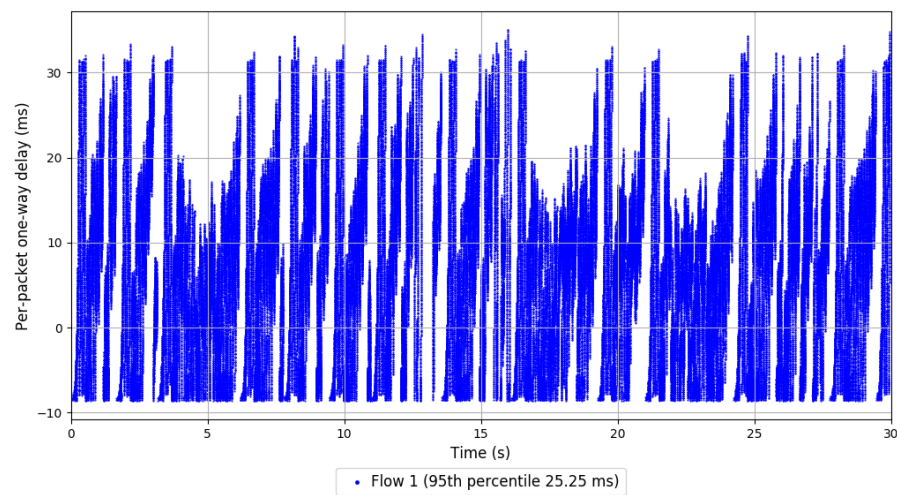
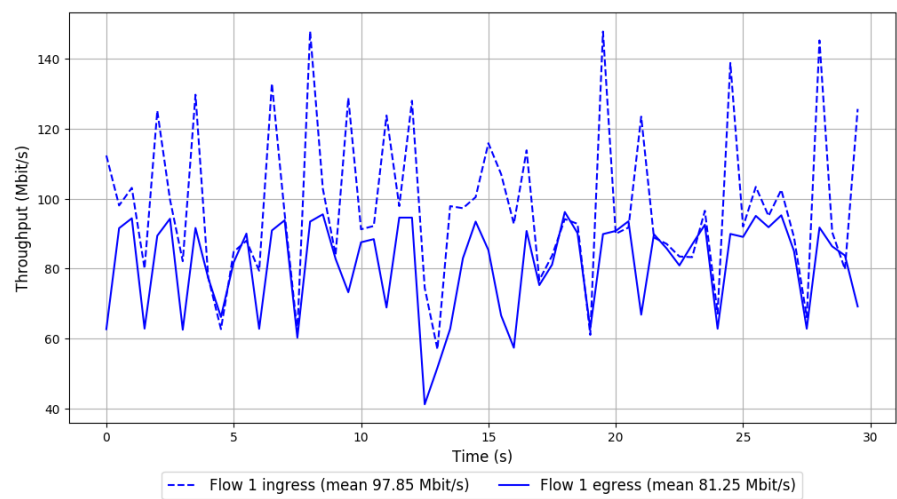


Run 2: Statistics of Verus

Start at: 2018-02-01 18:07:12
End at: 2018-02-01 18:07:42
Local clock offset: 2.477 ms
Remote clock offset: -21.037 ms

Below is generated by plot.py at 2018-02-01 22:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 25.249 ms
Loss rate: 16.94%
-- Flow 1:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 25.249 ms
Loss rate: 16.94%

Run 2: Report of Verus — Data Link

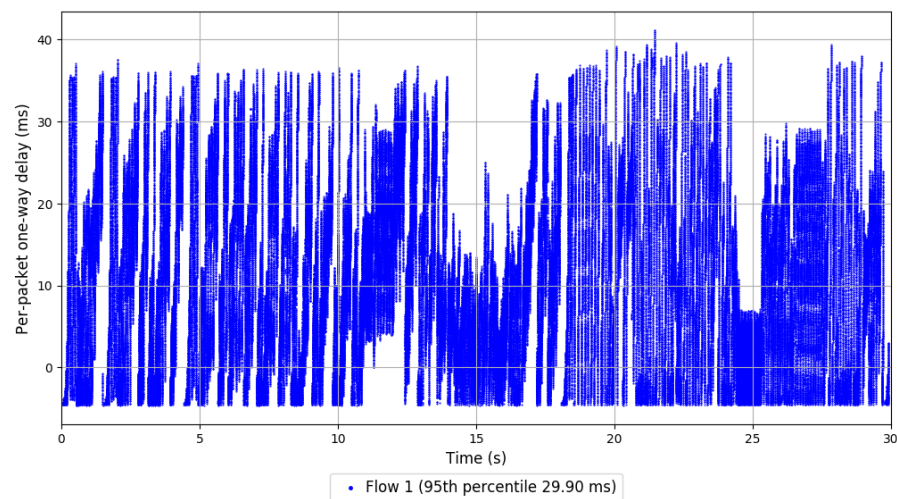
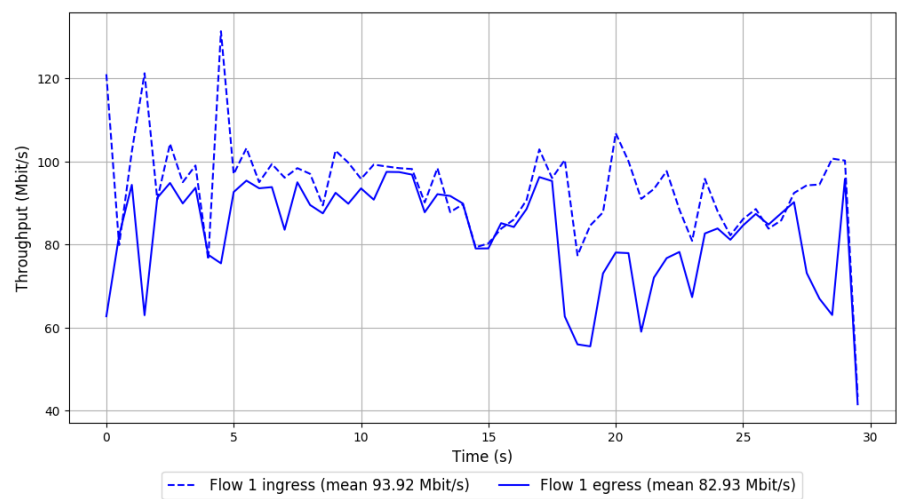


Run 3: Statistics of Verus

Start at: 2018-02-01 18:29:49
End at: 2018-02-01 18:30:19
Local clock offset: -0.055 ms
Remote clock offset: -23.276 ms

Below is generated by plot.py at 2018-02-01 22:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 29.904 ms
Loss rate: 11.68%
-- Flow 1:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 29.904 ms
Loss rate: 11.68%

Run 3: Report of Verus — Data Link

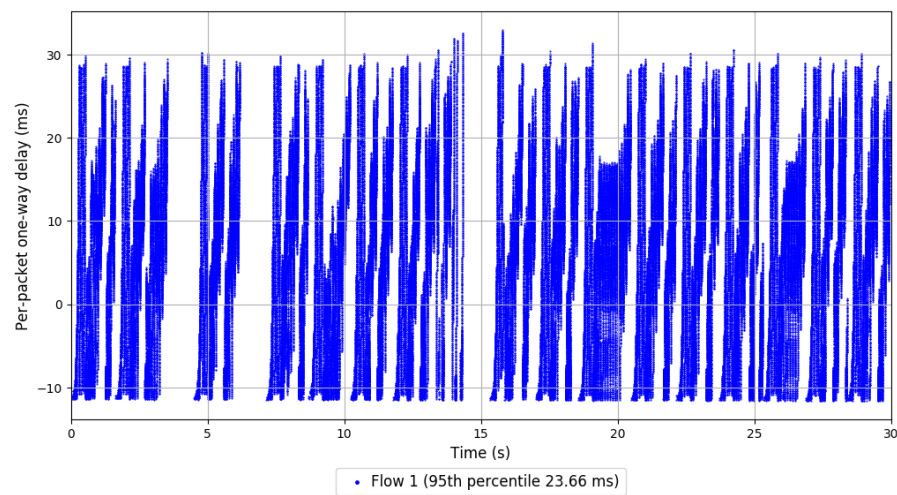
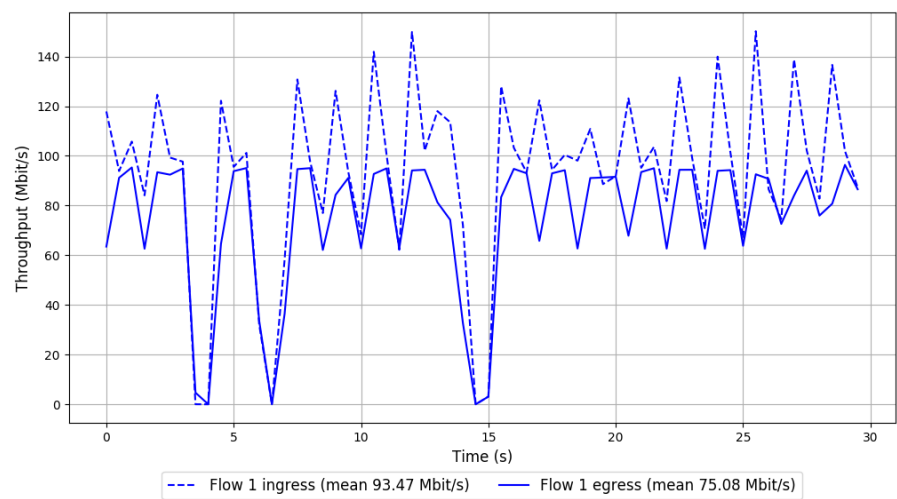


Run 4: Statistics of Verus

Start at: 2018-02-01 18:52:23
End at: 2018-02-01 18:52:53
Local clock offset: 3.832 ms
Remote clock offset: -24.873 ms

Below is generated by plot.py at 2018-02-01 22:10:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 23.656 ms
Loss rate: 19.59%
-- Flow 1:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 23.656 ms
Loss rate: 19.59%

Run 4: Report of Verus — Data Link

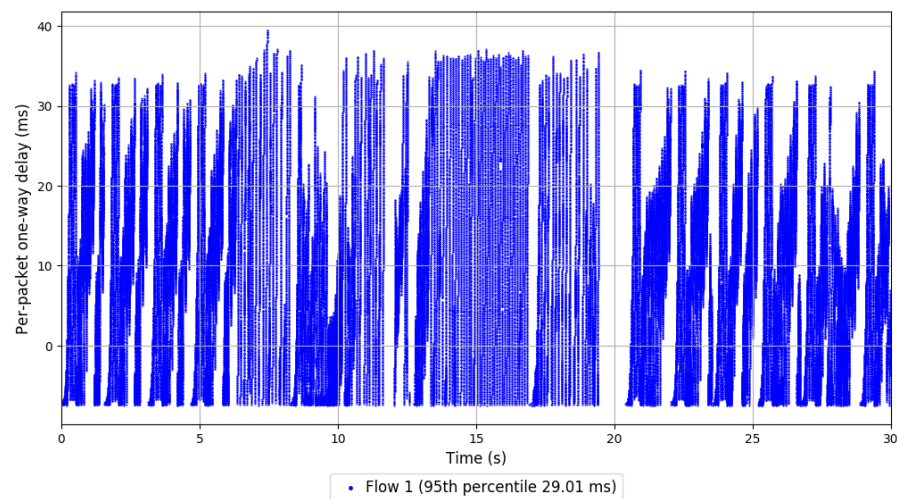
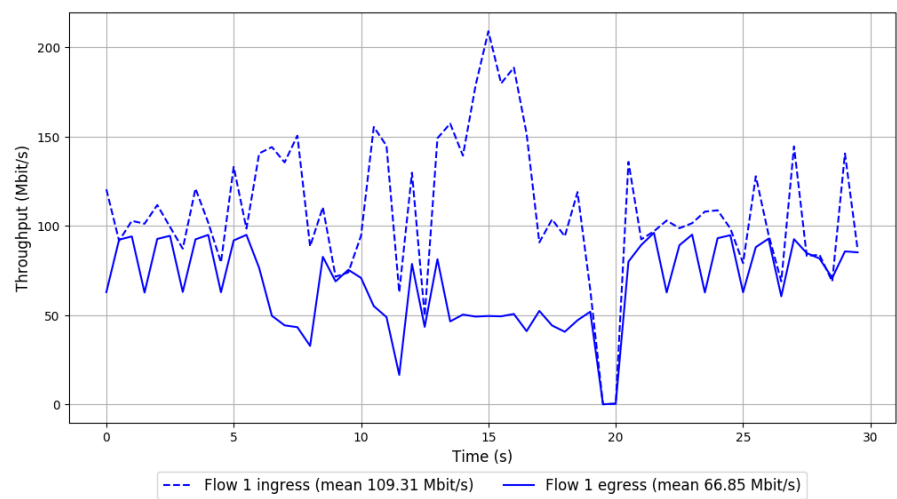


Run 5: Statistics of Verus

Start at: 2018-02-01 19:14:49
End at: 2018-02-01 19:15:19
Local clock offset: -0.265 ms
Remote clock offset: -19.347 ms

Below is generated by plot.py at 2018-02-01 22:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 29.008 ms
Loss rate: 38.81%
-- Flow 1:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 29.008 ms
Loss rate: 38.81%

Run 5: Report of Verus — Data Link

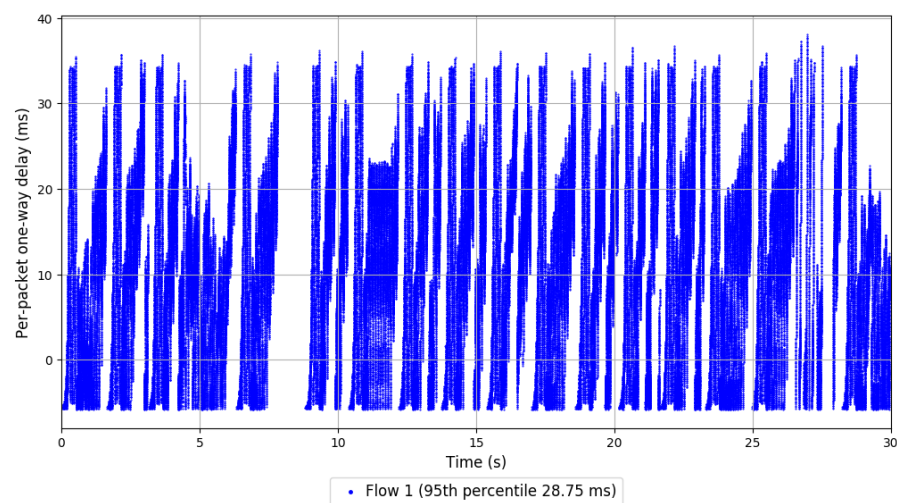
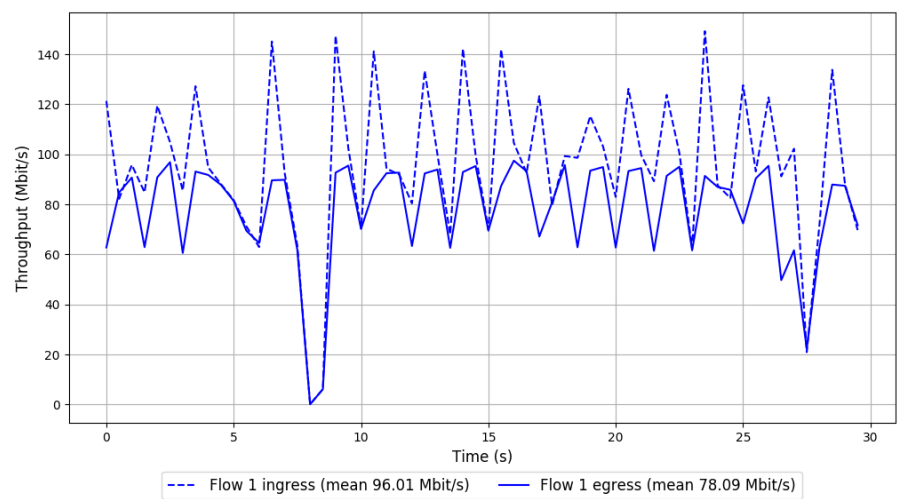


Run 6: Statistics of Verus

Start at: 2018-02-01 19:37:06
End at: 2018-02-01 19:37:36
Local clock offset: -1.427 ms
Remote clock offset: -17.573 ms

Below is generated by plot.py at 2018-02-01 22:10:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 28.755 ms
Loss rate: 18.62%
-- Flow 1:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 28.755 ms
Loss rate: 18.62%

Run 6: Report of Verus — Data Link

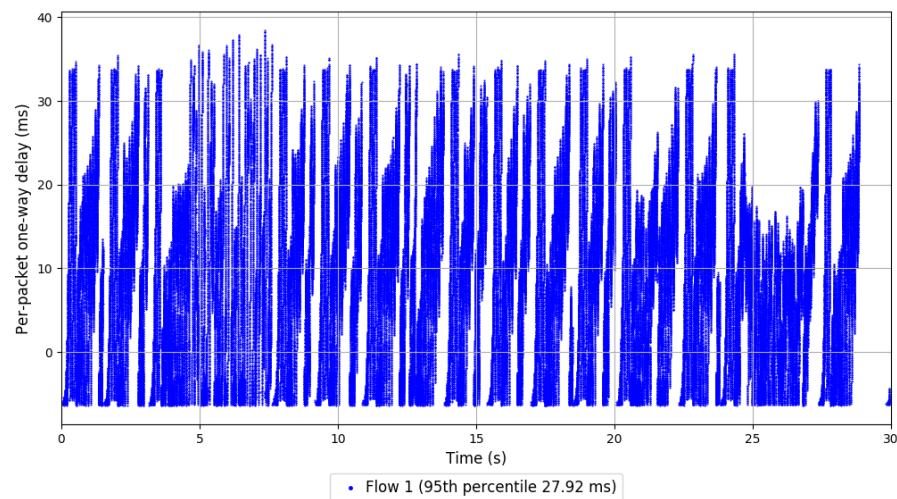
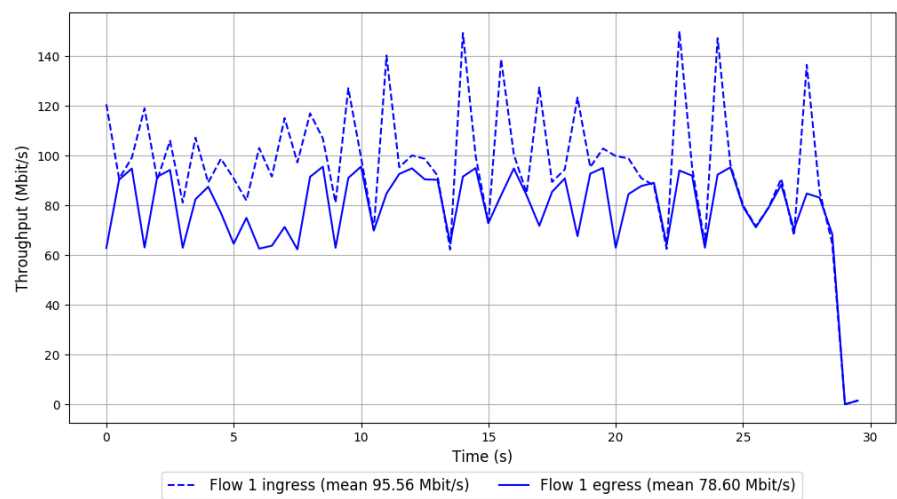


Run 7: Statistics of Verus

Start at: 2018-02-01 19:59:42
End at: 2018-02-01 20:00:12
Local clock offset: -2.701 ms
Remote clock offset: -19.009 ms

Below is generated by plot.py at 2018-02-01 22:10:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 27.924 ms
Loss rate: 17.74%
-- Flow 1:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 27.924 ms
Loss rate: 17.74%

Run 7: Report of Verus — Data Link

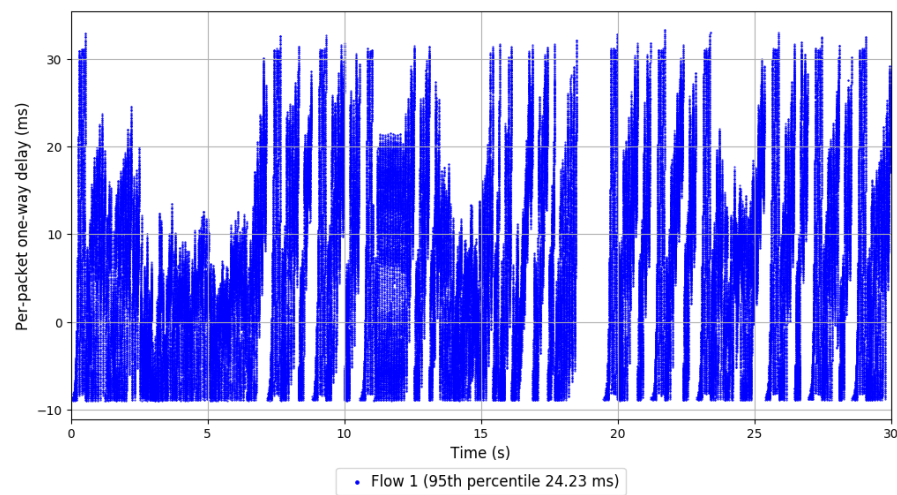
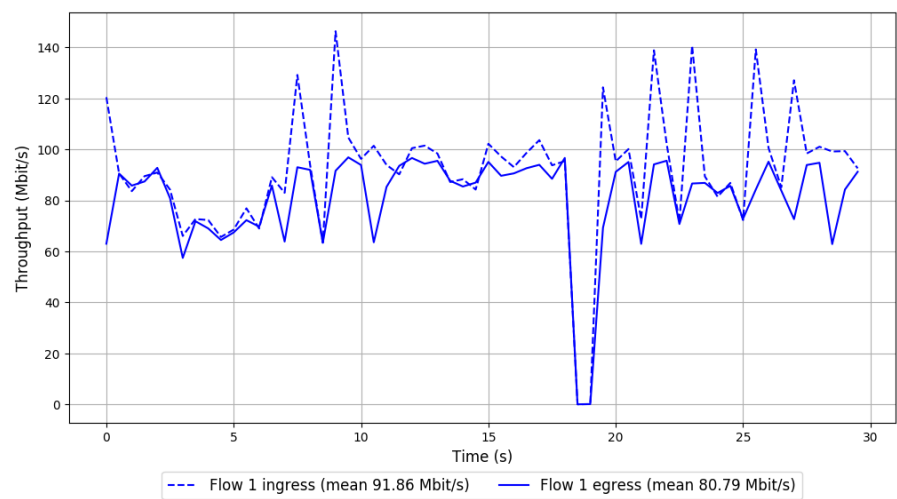


Run 8: Statistics of Verus

Start at: 2018-02-01 20:22:28
End at: 2018-02-01 20:22:58
Local clock offset: 3.87 ms
Remote clock offset: -19.223 ms

Below is generated by plot.py at 2018-02-01 22:10:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 24.234 ms
Loss rate: 11.97%
-- Flow 1:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 24.234 ms
Loss rate: 11.97%

Run 8: Report of Verus — Data Link

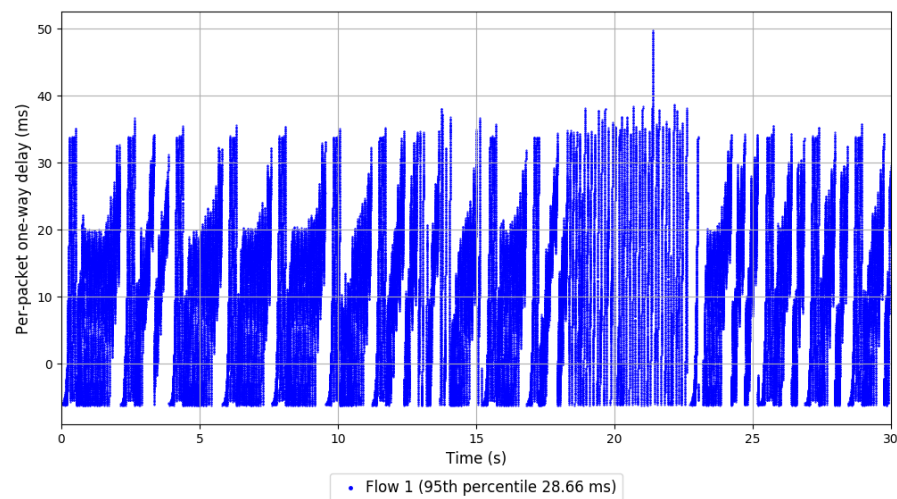
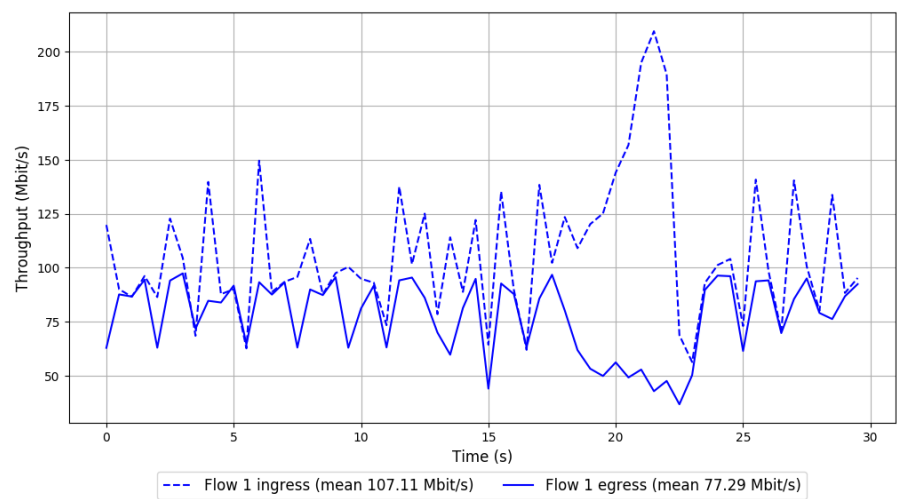


Run 9: Statistics of Verus

Start at: 2018-02-01 20:45:23
End at: 2018-02-01 20:45:53
Local clock offset: 3.123 ms
Remote clock offset: -22.439 ms

Below is generated by plot.py at 2018-02-01 22:10:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 28.655 ms
Loss rate: 27.76%
-- Flow 1:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 28.655 ms
Loss rate: 27.76%

Run 9: Report of Verus — Data Link

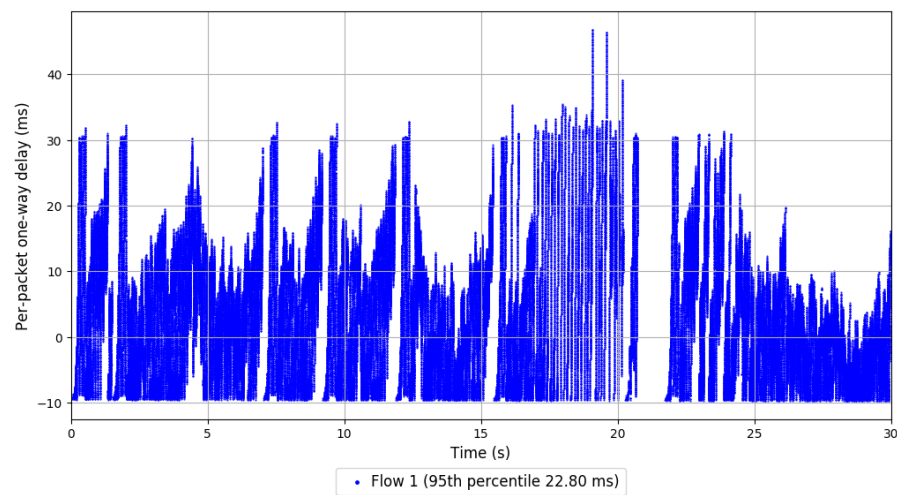
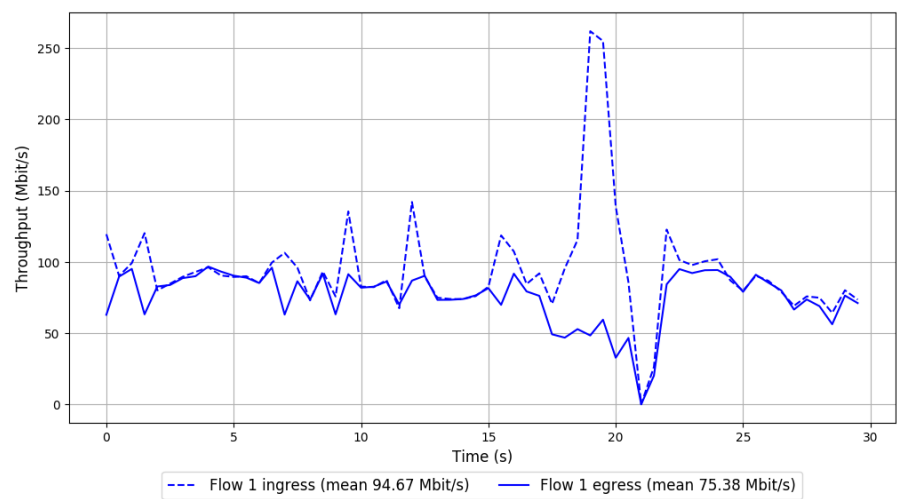


Run 10: Statistics of Verus

Start at: 2018-02-01 21:08:12
End at: 2018-02-01 21:08:42
Local clock offset: 5.447 ms
Remote clock offset: -22.262 ms

Below is generated by plot.py at 2018-02-01 22:10:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 22.795 ms
Loss rate: 20.32%
-- Flow 1:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 22.795 ms
Loss rate: 20.32%

Run 10: Report of Verus — Data Link

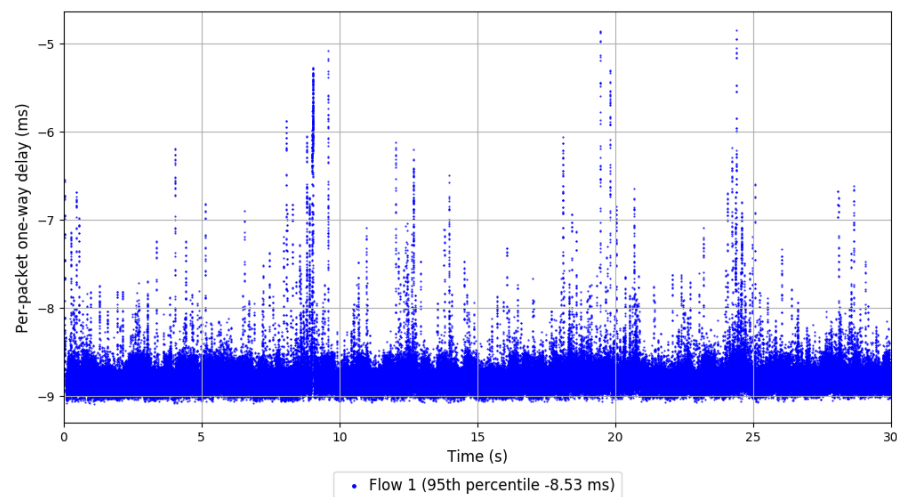
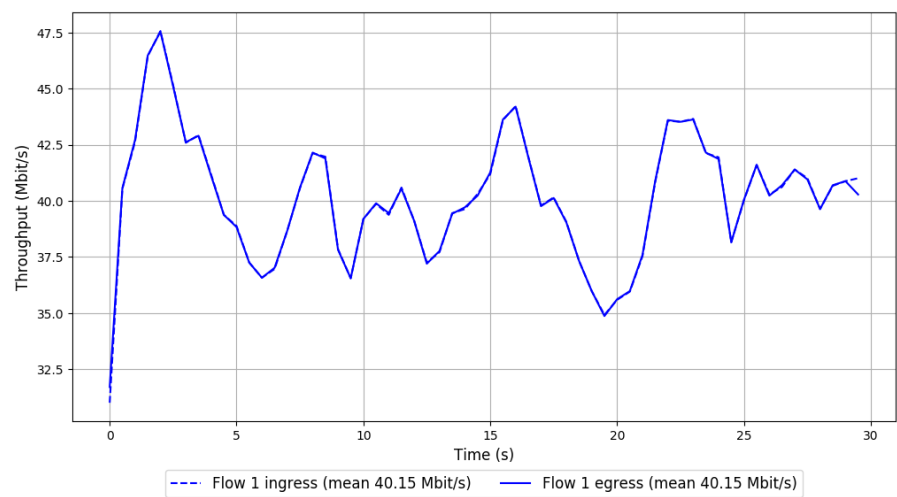


Run 1: Statistics of Copa

Start at: 2018-02-01 18:01:08
End at: 2018-02-01 18:01:38
Local clock offset: 1.624 ms
Remote clock offset: -22.045 ms

Below is generated by plot.py at 2018-02-01 22:11:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: -8.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: -8.529 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

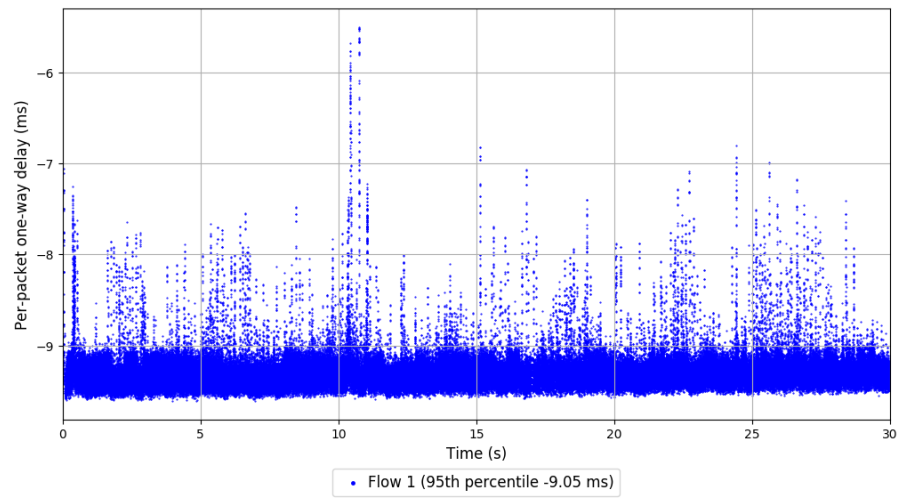
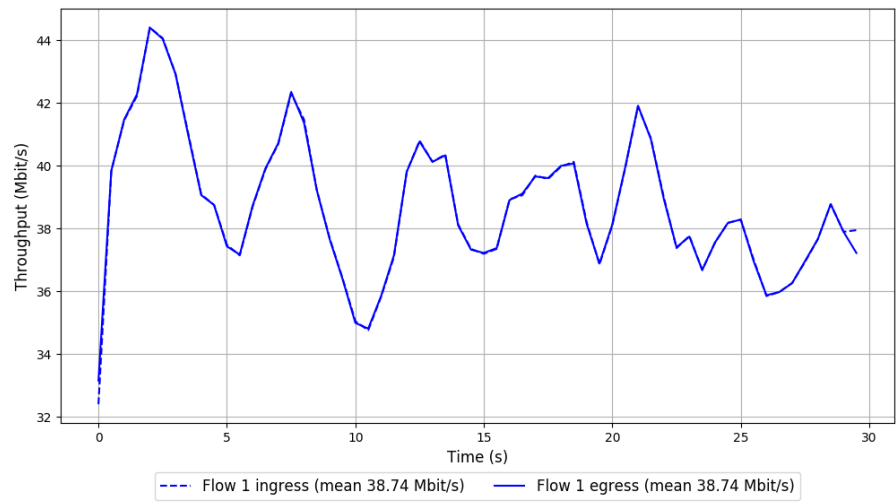


Run 2: Statistics of Copa

Start at: 2018-02-01 18:23:47
End at: 2018-02-01 18:24:17
Local clock offset: 2.929 ms
Remote clock offset: -24.459 ms

Below is generated by plot.py at 2018-02-01 22:11:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: -9.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: -9.047 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

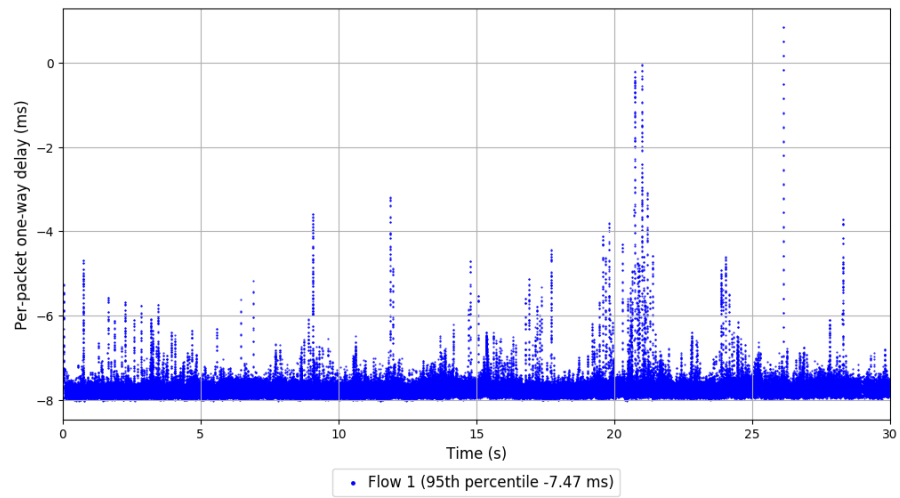
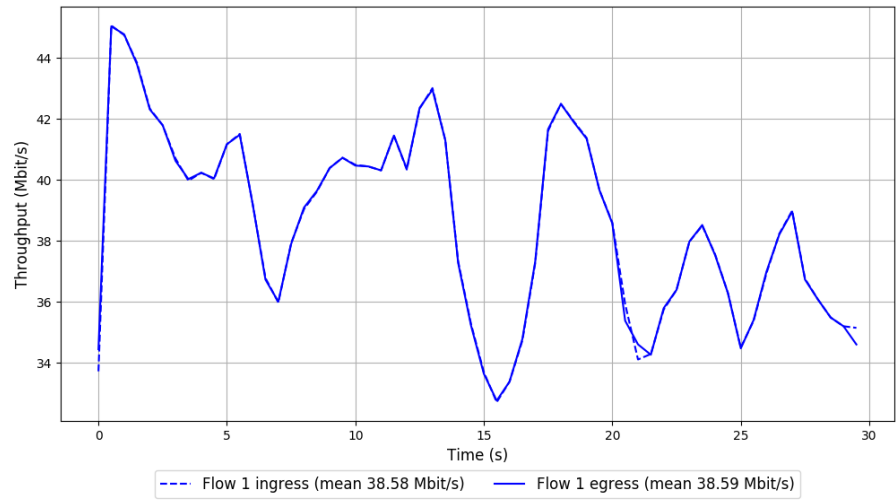


Run 3: Statistics of Copa

Start at: 2018-02-01 18:46:33
End at: 2018-02-01 18:47:03
Local clock offset: 3.196 ms
Remote clock offset: -24.863 ms

Below is generated by plot.py at 2018-02-01 22:11:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: -7.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: -7.469 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

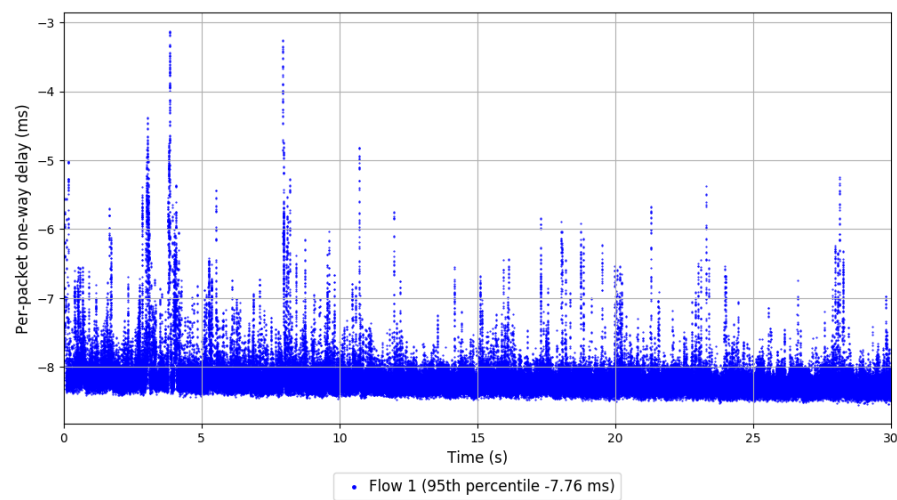
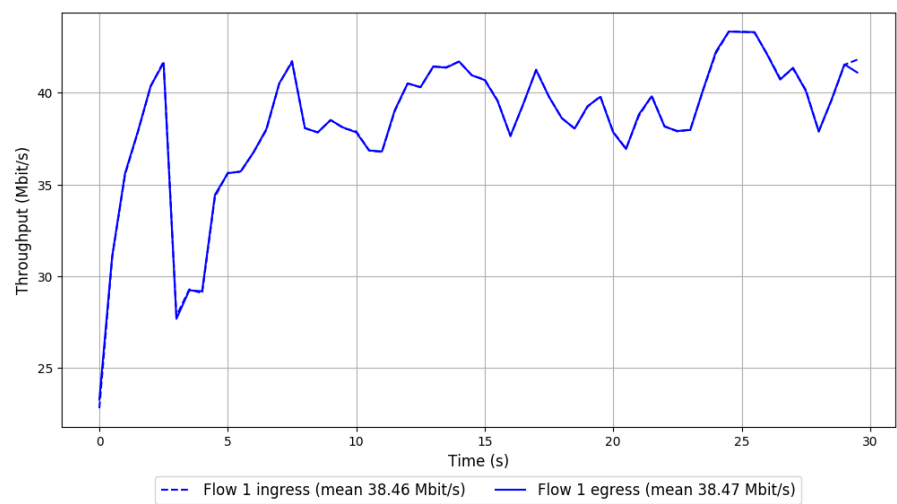


Run 4: Statistics of Copa

Start at: 2018-02-01 19:08:52
End at: 2018-02-01 19:09:22
Local clock offset: 3.003 ms
Remote clock offset: -18.119 ms

Below is generated by plot.py at 2018-02-01 22:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: -7.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: -7.763 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

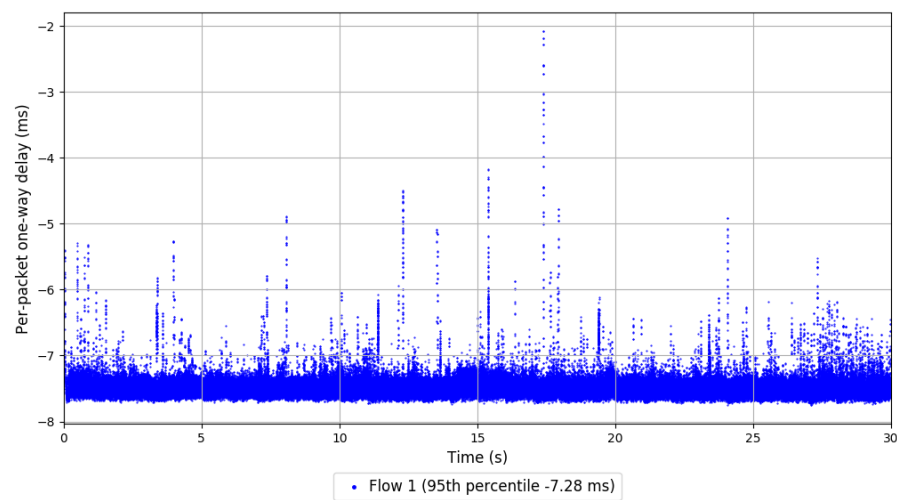
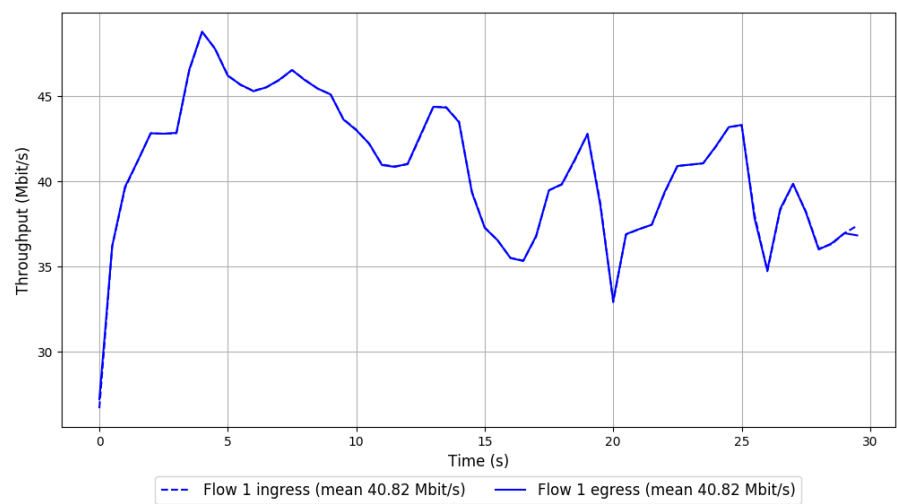


Run 5: Statistics of Copa

Start at: 2018-02-01 19:31:16
End at: 2018-02-01 19:31:46
Local clock offset: 0.575 ms
Remote clock offset: -17.718 ms

Below is generated by plot.py at 2018-02-01 22:11:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: -7.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: -7.282 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

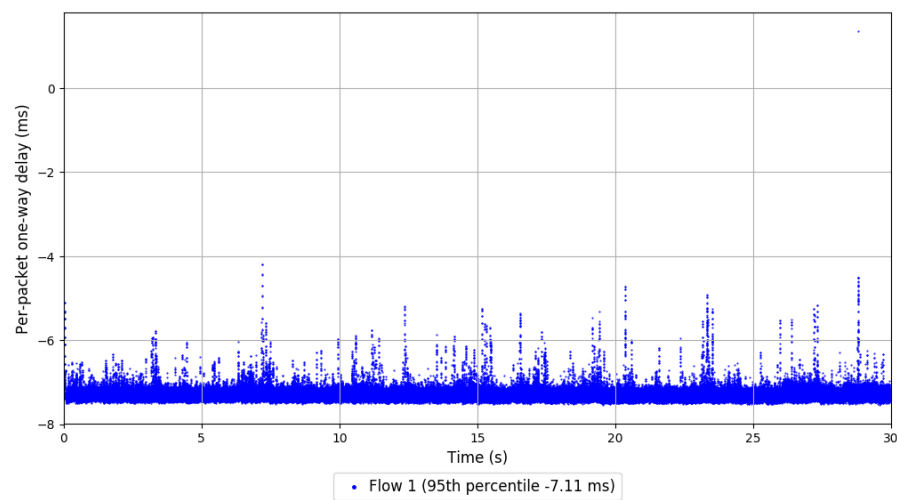
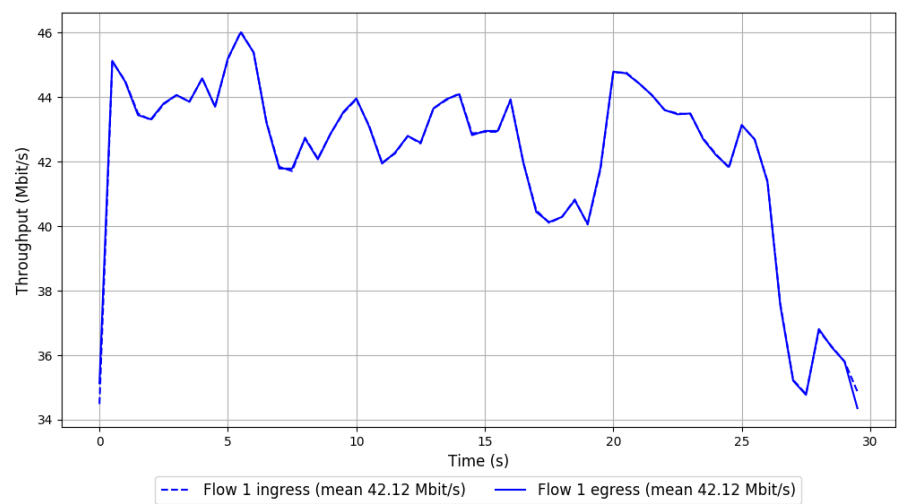


Run 6: Statistics of Copa

Start at: 2018-02-01 19:53:39
End at: 2018-02-01 19:54:09
Local clock offset: -0.801 ms
Remote clock offset: -17.782 ms

Below is generated by plot.py at 2018-02-01 22:11:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: -7.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: -7.108 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

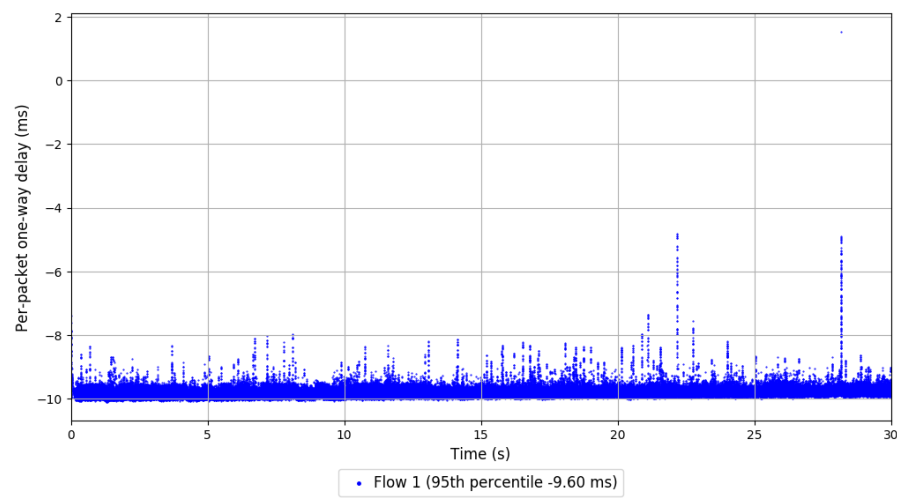
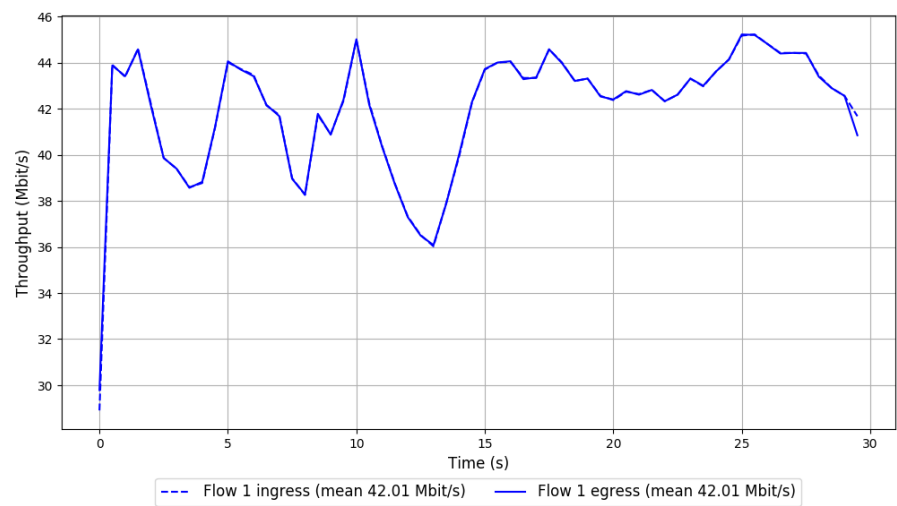


Run 7: Statistics of Copa

Start at: 2018-02-01 20:16:24
End at: 2018-02-01 20:16:54
Local clock offset: 2.632 ms
Remote clock offset: -20.226 ms

Below is generated by plot.py at 2018-02-01 22:11:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: -9.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: -9.595 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

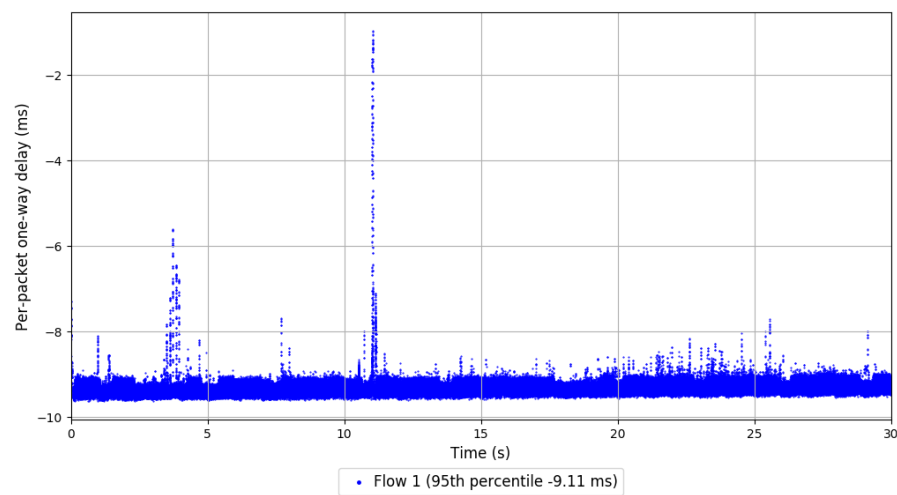
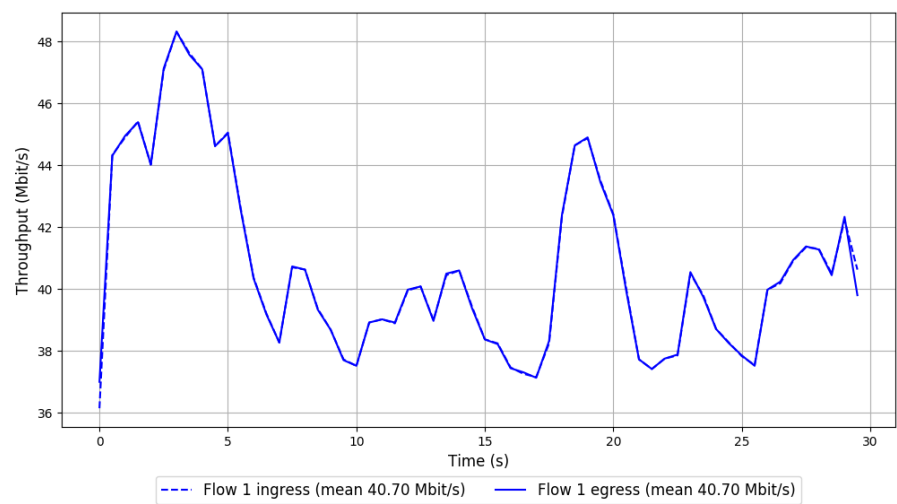


Run 8: Statistics of Copa

Start at: 2018-02-01 20:39:24
End at: 2018-02-01 20:39:54
Local clock offset: 5.315 ms
Remote clock offset: -22.538 ms

Below is generated by plot.py at 2018-02-01 22:11:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: -9.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: -9.114 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

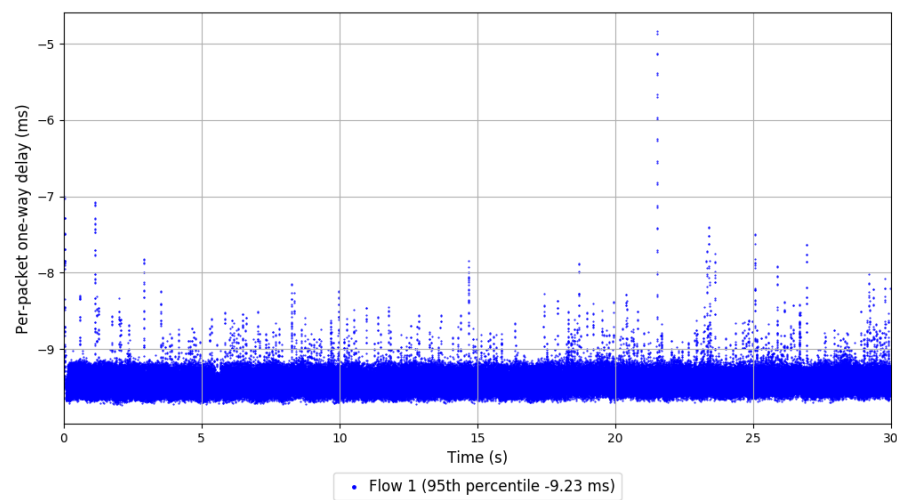
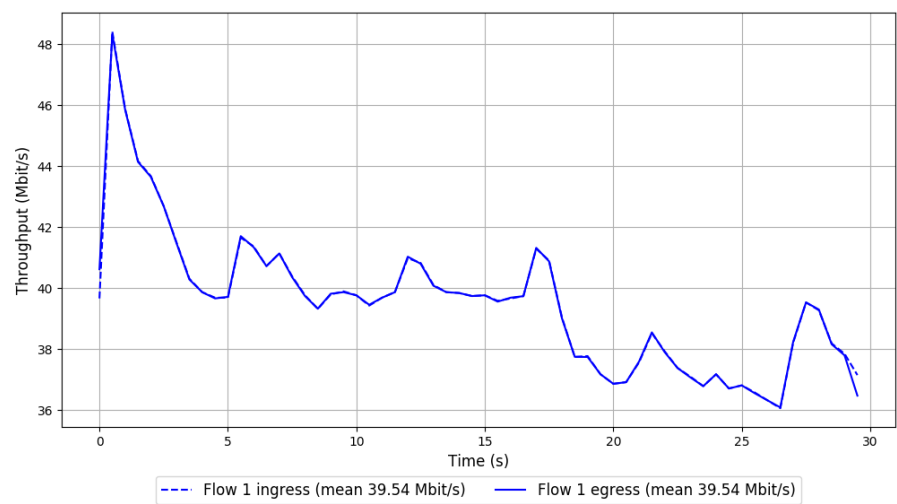


Run 9: Statistics of Copa

Start at: 2018-02-01 21:02:01
End at: 2018-02-01 21:02:31
Local clock offset: 4.939 ms
Remote clock offset: -25.172 ms

Below is generated by plot.py at 2018-02-01 22:12:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: -9.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: -9.232 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

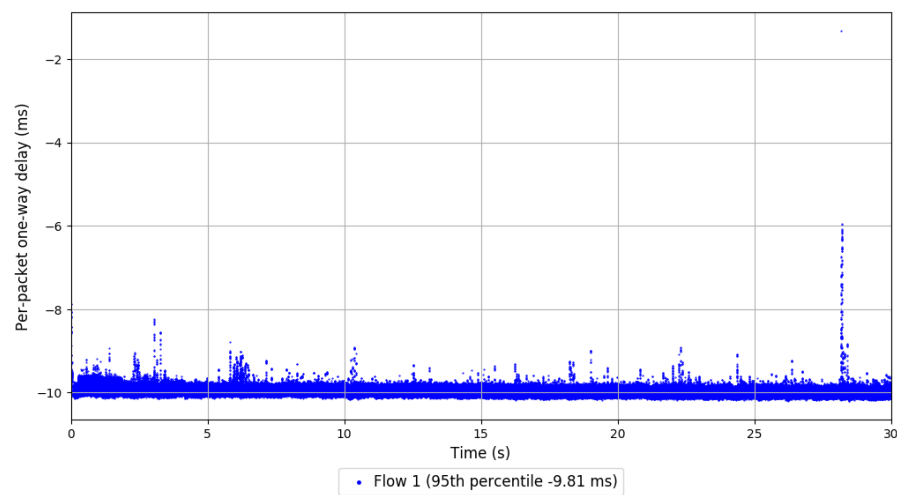
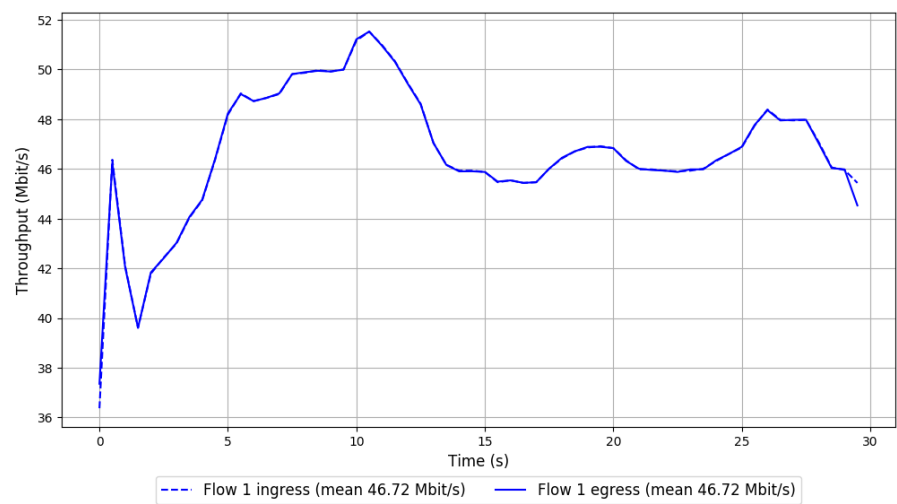


Run 10: Statistics of Copa

Start at: 2018-02-01 21:24:39
End at: 2018-02-01 21:25:09
Local clock offset: 5.941 ms
Remote clock offset: -18.467 ms

Below is generated by plot.py at 2018-02-01 22:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.72 Mbit/s
95th percentile per-packet one-way delay: -9.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.72 Mbit/s
95th percentile per-packet one-way delay: -9.806 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

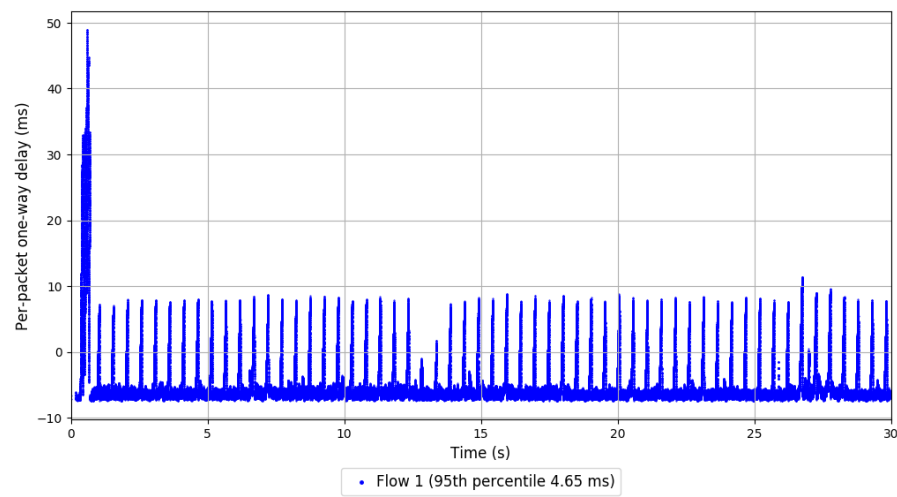
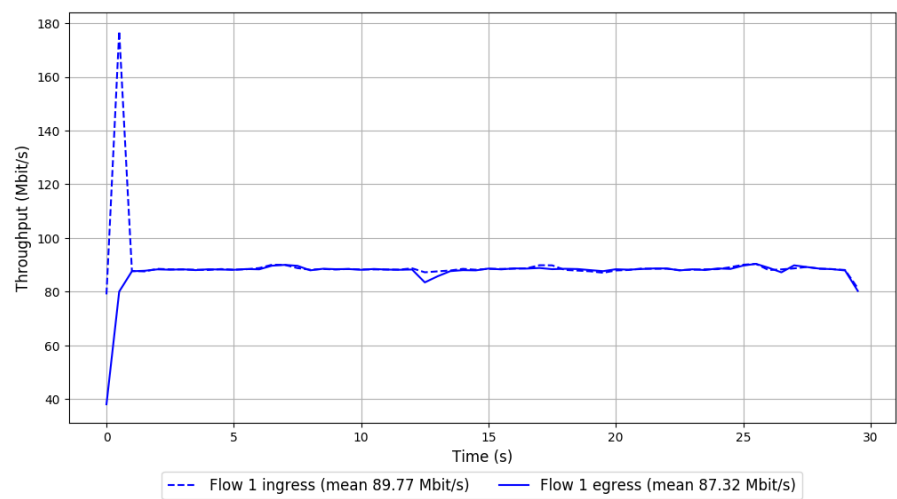


Run 1: Statistics of FillP

Start at: 2018-02-01 17:39:20
End at: 2018-02-01 17:39:50
Local clock offset: 1.19 ms
Remote clock offset: -20.635 ms

Below is generated by plot.py at 2018-02-01 22:13:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 4.654 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 4.654 ms
Loss rate: 2.72%

Run 1: Report of FillP — Data Link

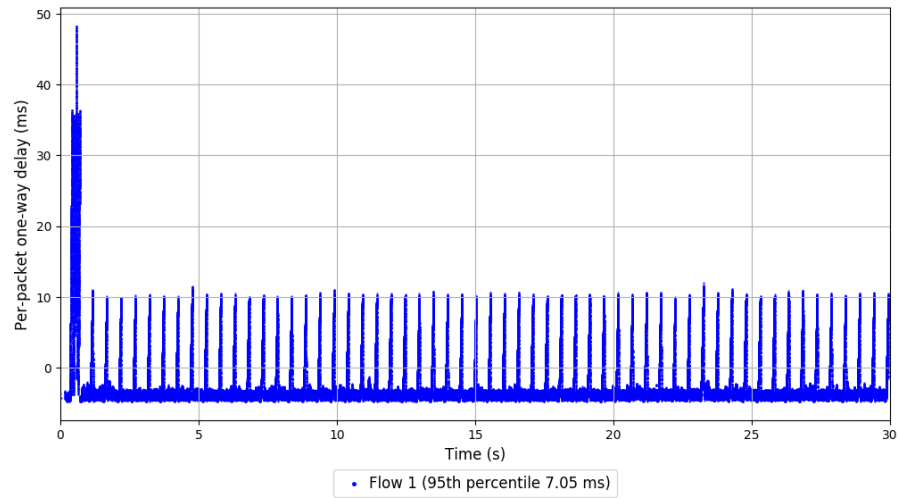
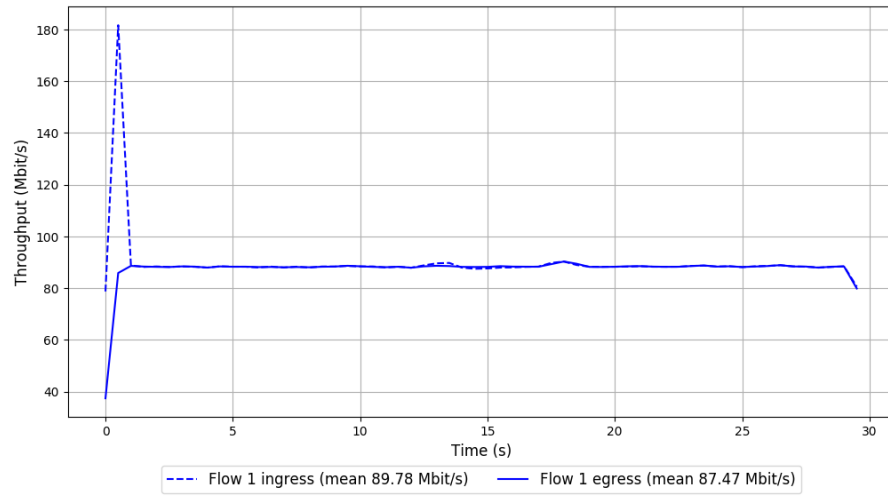


Run 2: Statistics of FillP

Start at: 2018-02-01 18:02:18
End at: 2018-02-01 18:02:48
Local clock offset: 0.035 ms
Remote clock offset: -19.208 ms

Below is generated by plot.py at 2018-02-01 22:13:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 7.053 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 7.053 ms
Loss rate: 2.56%

Run 2: Report of FillP — Data Link

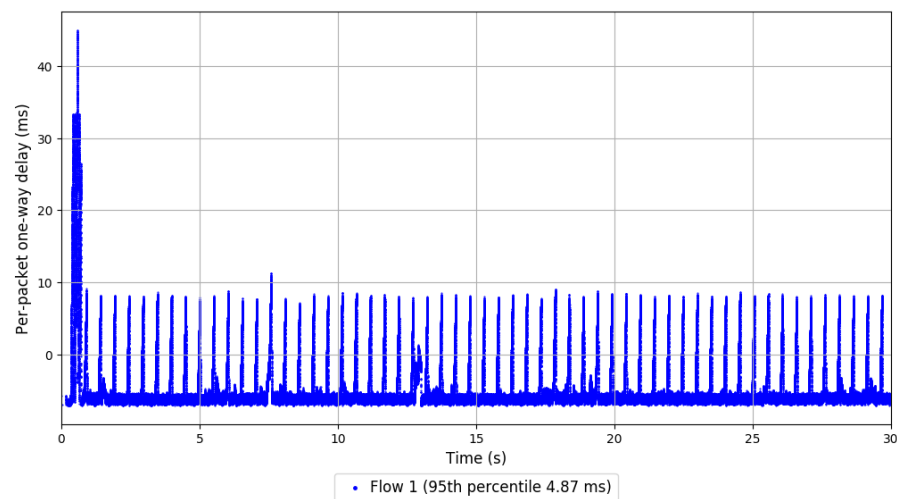
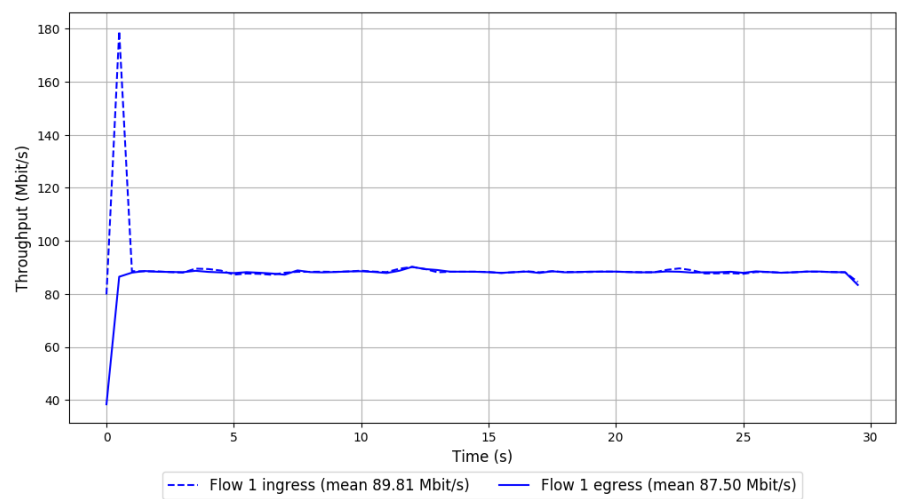


Run 3: Statistics of FillP

Start at: 2018-02-01 18:24:57
End at: 2018-02-01 18:25:27
Local clock offset: 1.46 ms
Remote clock offset: -23.347 ms

Below is generated by plot.py at 2018-02-01 22:13:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 4.865 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 4.865 ms
Loss rate: 2.58%

Run 3: Report of FillP — Data Link

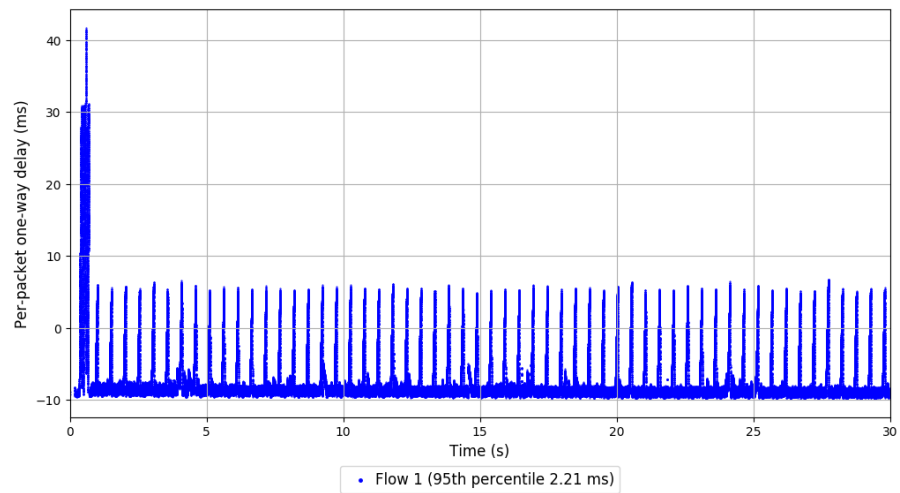
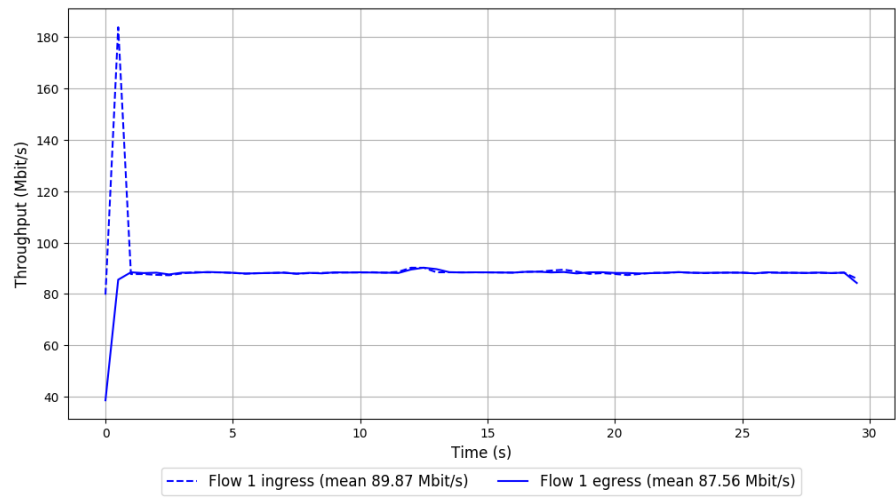


Run 4: Statistics of FillP

Start at: 2018-02-01 18:47:42
End at: 2018-02-01 18:48:12
Local clock offset: 2.085 ms
Remote clock offset: -26.888 ms

Below is generated by plot.py at 2018-02-01 22:14:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 2.209 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 2.209 ms
Loss rate: 2.57%

Run 4: Report of FillP — Data Link

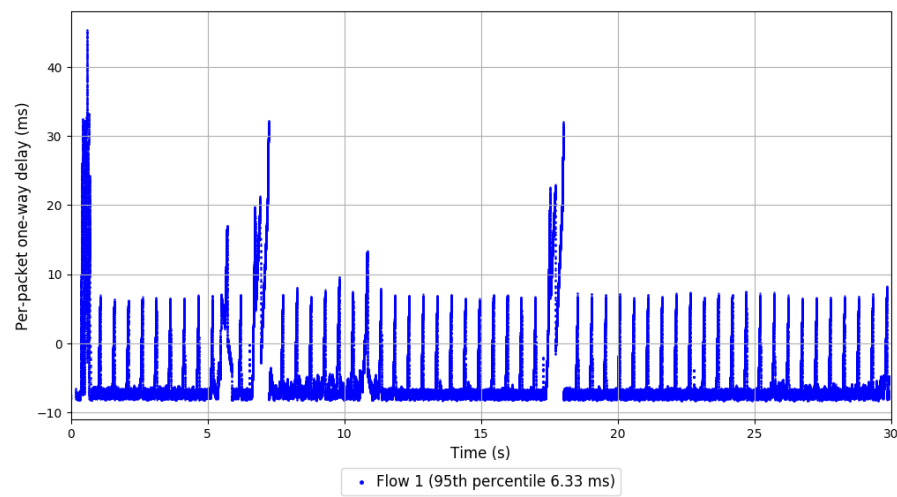
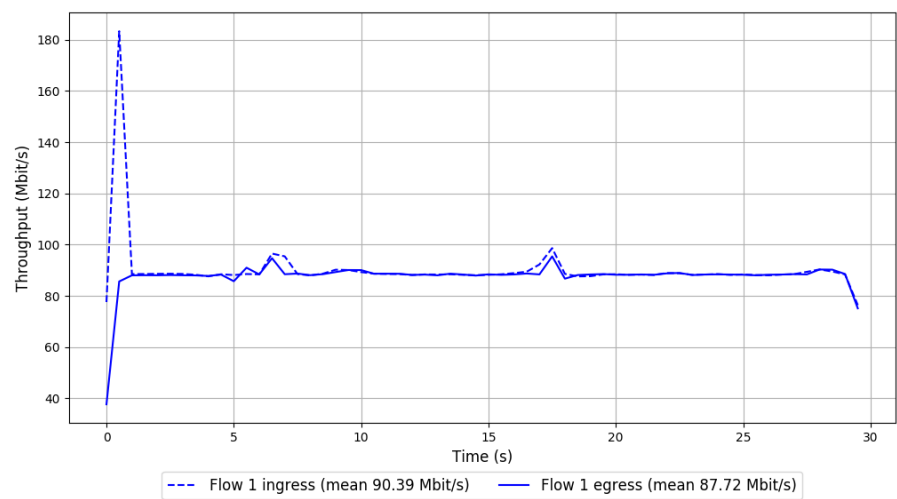


Run 5: Statistics of FillP

Start at: 2018-02-01 19:10:01
End at: 2018-02-01 19:10:31
Local clock offset: 1.641 ms
Remote clock offset: -18.81 ms

Below is generated by plot.py at 2018-02-01 22:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 6.329 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 6.329 ms
Loss rate: 2.95%

Run 5: Report of FillP — Data Link

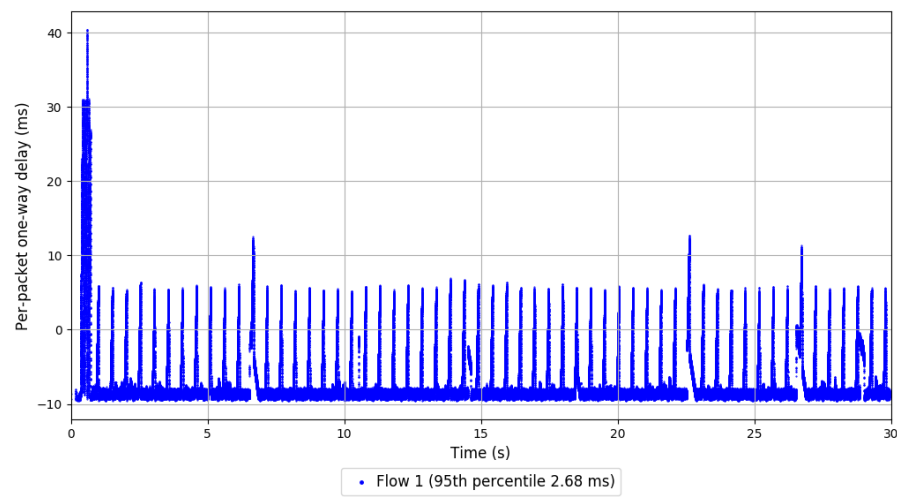
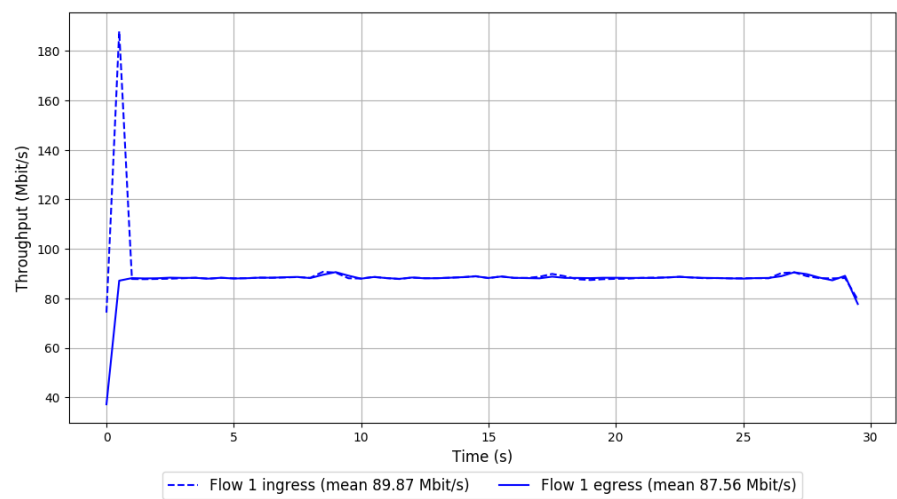


Run 6: Statistics of FillP

Start at: 2018-02-01 19:32:25
End at: 2018-02-01 19:32:55
Local clock offset: 1.896 ms
Remote clock offset: -17.986 ms

Below is generated by plot.py at 2018-02-01 22:14:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 2.679 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 2.679 ms
Loss rate: 2.57%

Run 6: Report of FillP — Data Link

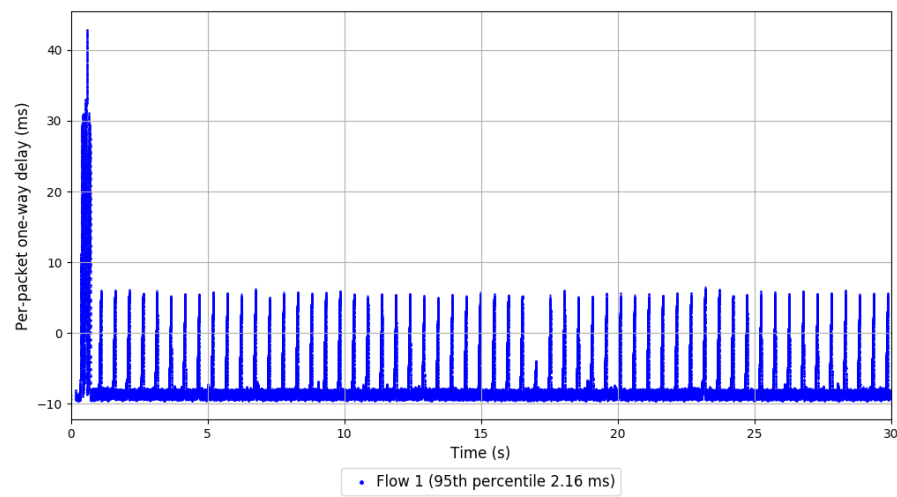
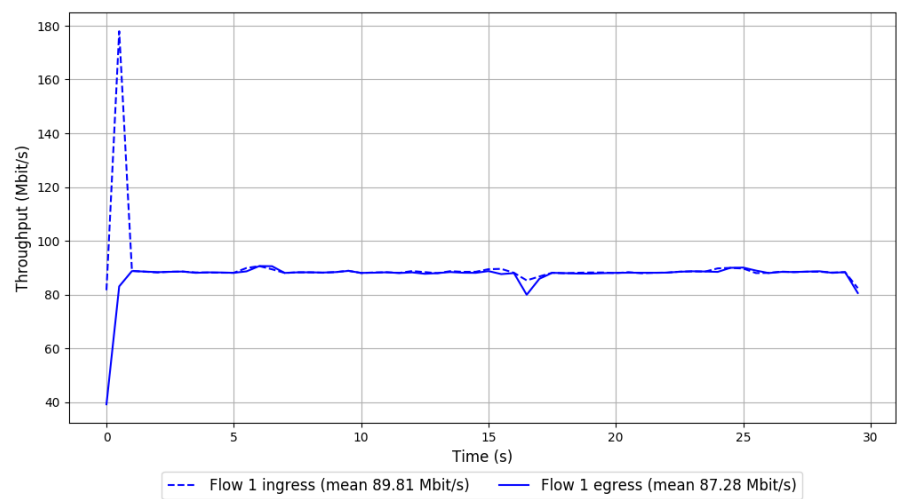


Run 7: Statistics of FillP

Start at: 2018-02-01 19:54:52
End at: 2018-02-01 19:55:22
Local clock offset: 0.547 ms
Remote clock offset: -18.317 ms

Below is generated by plot.py at 2018-02-01 22:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 2.160 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 2.160 ms
Loss rate: 2.81%

Run 7: Report of FillP — Data Link

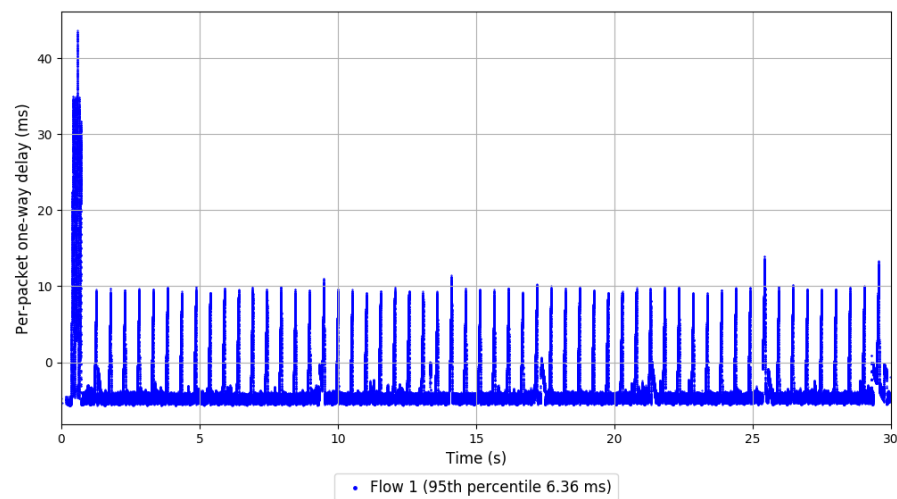
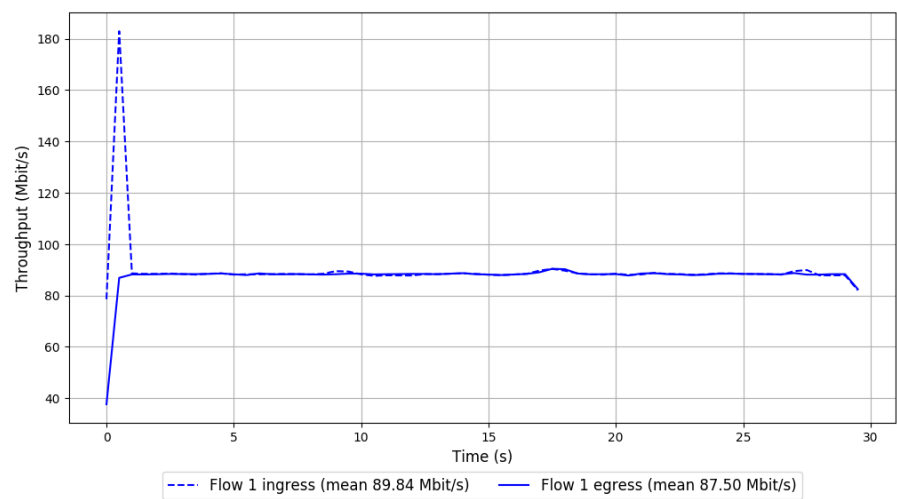


Run 8: Statistics of FillP

Start at: 2018-02-01 20:17:34
End at: 2018-02-01 20:18:04
Local clock offset: 0.333 ms
Remote clock offset: -18.198 ms

Below is generated by plot.py at 2018-02-01 22:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 6.356 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 6.356 ms
Loss rate: 2.59%

Run 8: Report of FillP — Data Link

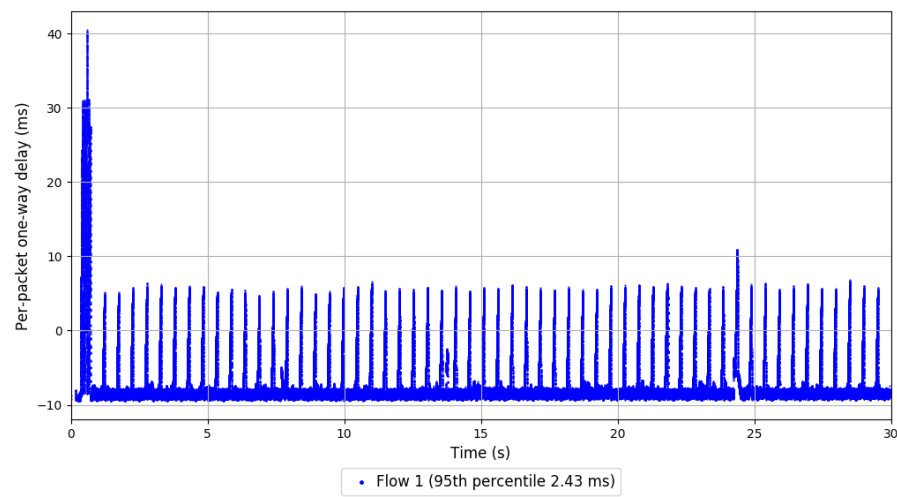
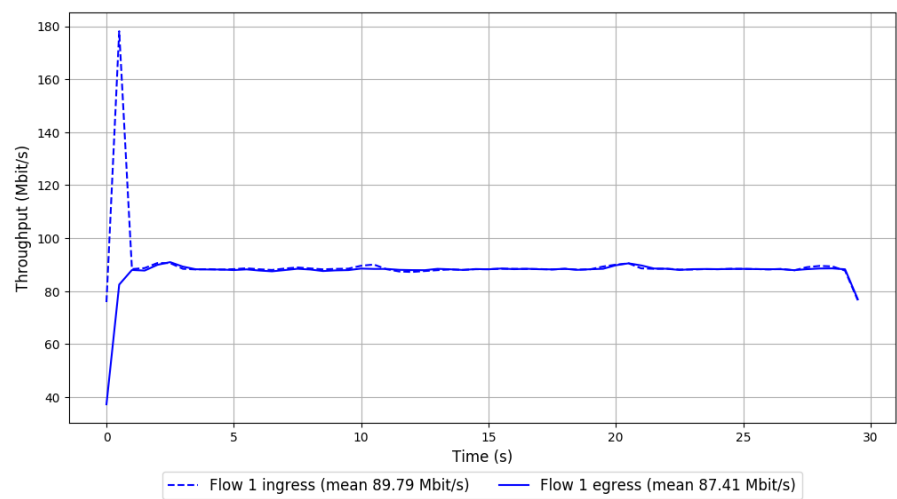


Run 9: Statistics of FillP

Start at: 2018-02-01 20:40:35
End at: 2018-02-01 20:41:05
Local clock offset: 5.838 ms
Remote clock offset: -21.935 ms

Below is generated by plot.py at 2018-02-01 22:15:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 2.434 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 2.434 ms
Loss rate: 2.64%

Run 9: Report of FillP — Data Link

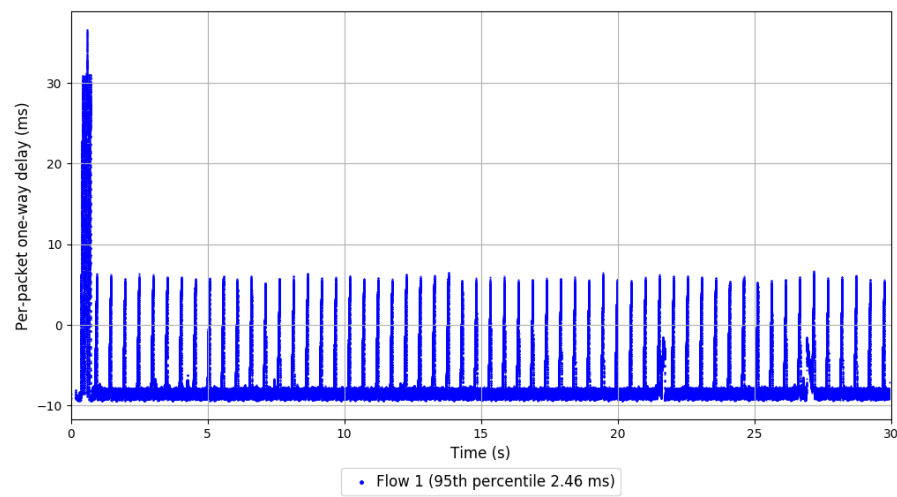
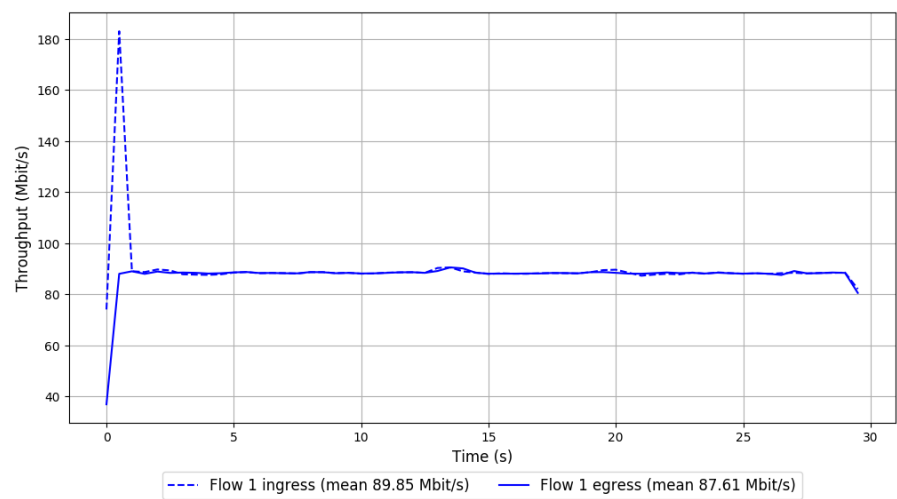


Run 10: Statistics of FillP

Start at: 2018-02-01 21:03:14
End at: 2018-02-01 21:03:44
Local clock offset: 5.301 ms
Remote clock offset: -24.43 ms

Below is generated by plot.py at 2018-02-01 22:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 2.455 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 2.455 ms
Loss rate: 2.49%

Run 10: Report of FillP — Data Link

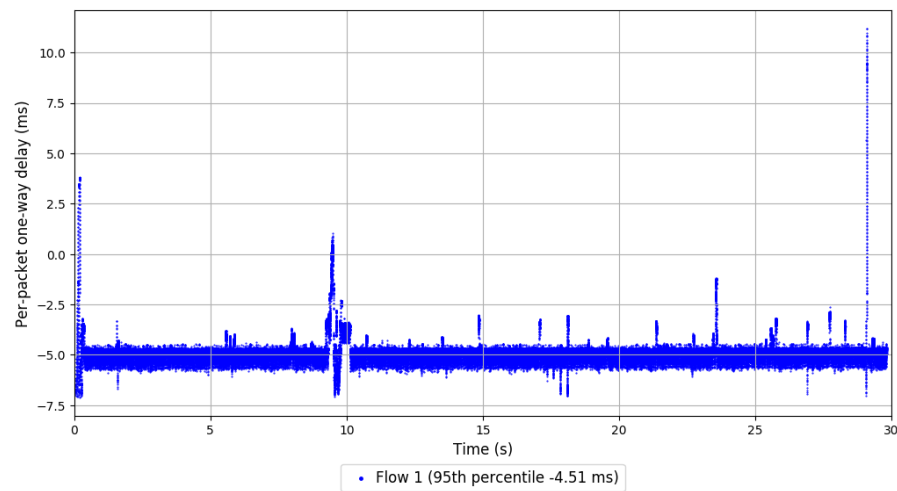
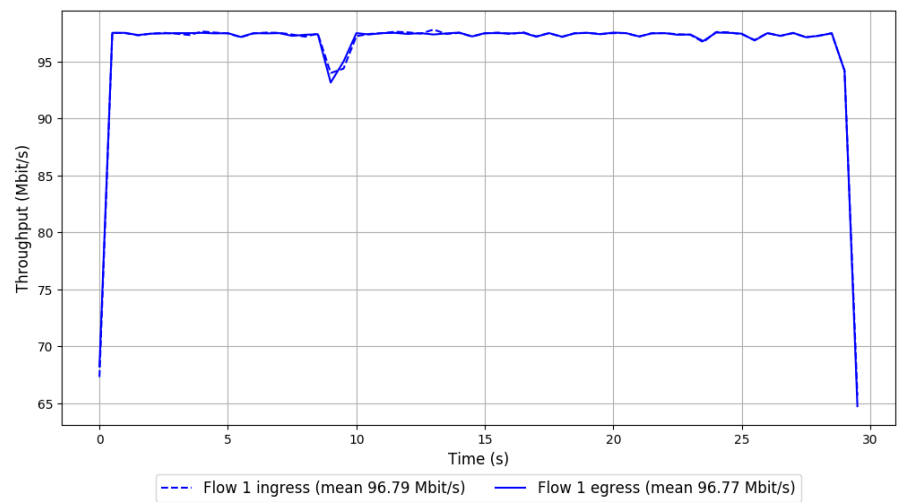


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-01 17:58:47
End at: 2018-02-01 17:59:17
Local clock offset: -0.557 ms
Remote clock offset: -22.175 ms

# Below is generated by plot.py at 2018-02-01 22:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: -4.512 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: -4.512 ms
Loss rate: 0.01%
```

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

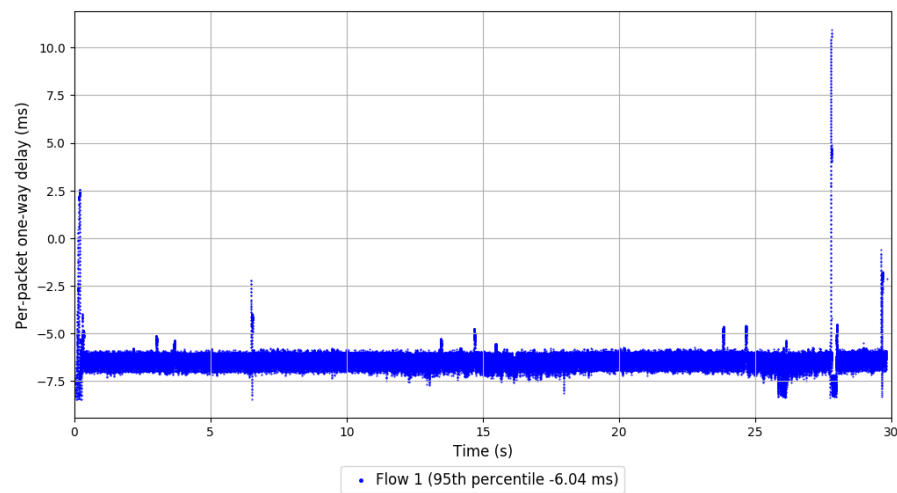
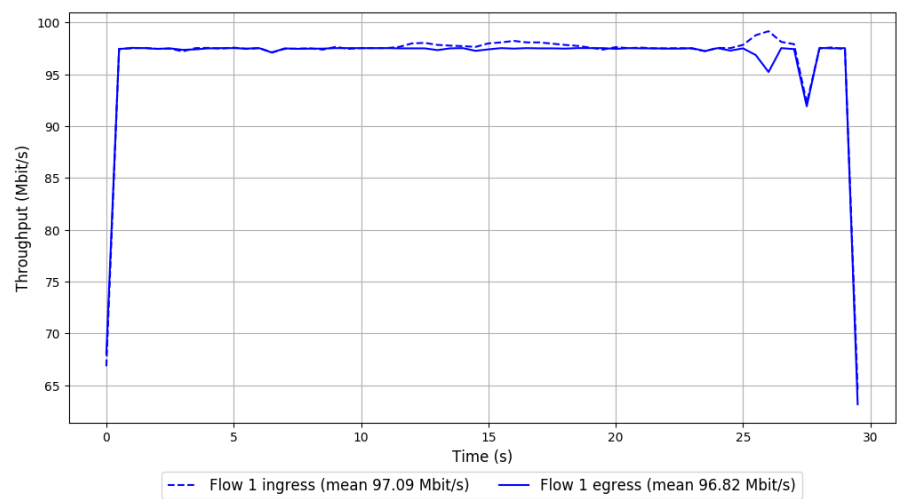


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-01 18:21:26
End at: 2018-02-01 18:21:56
Local clock offset: 3.647 ms
Remote clock offset: -22.258 ms

Below is generated by plot.py at 2018-02-01 22:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: -6.036 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: -6.036 ms
Loss rate: 0.25%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-01 18:44:11

End at: 2018-02-01 18:44:41

Local clock offset: -0.348 ms

Remote clock offset: -24.608 ms

Below is generated by plot.py at 2018-02-01 22:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.83 Mbit/s

95th percentile per-packet one-way delay: -1.885 ms

Loss rate: 1.93%

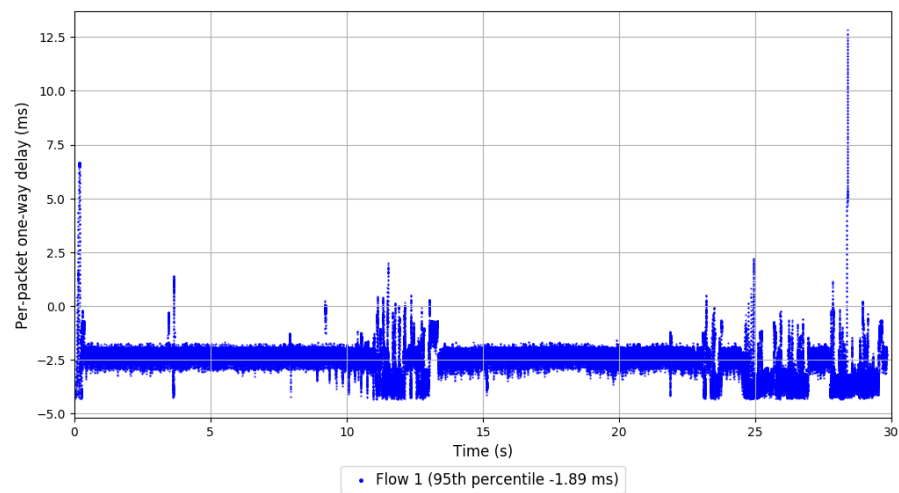
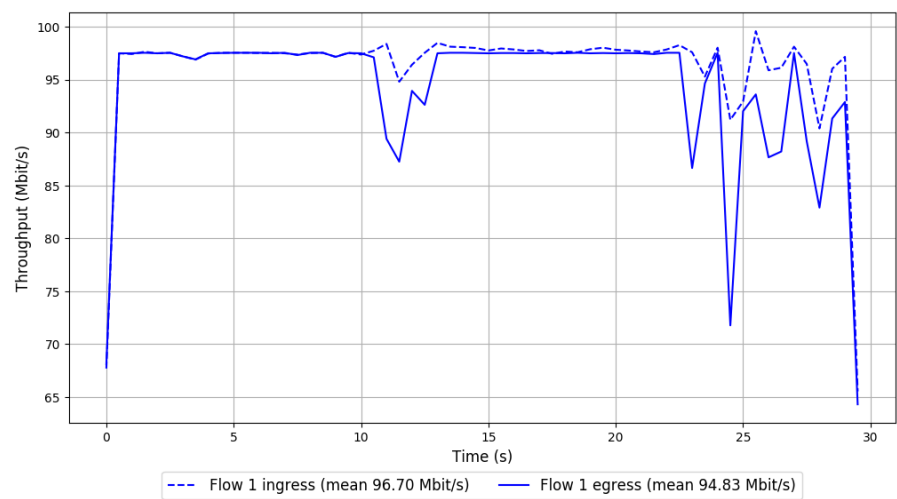
-- Flow 1:

Average throughput: 94.83 Mbit/s

95th percentile per-packet one-way delay: -1.885 ms

Loss rate: 1.93%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-01 19:06:34

End at: 2018-02-01 19:07:04

Local clock offset: 1.304 ms

Remote clock offset: -18.111 ms

Below is generated by plot.py at 2018-02-01 22:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.89 Mbit/s

95th percentile per-packet one-way delay: -3.753 ms

Loss rate: 0.00%

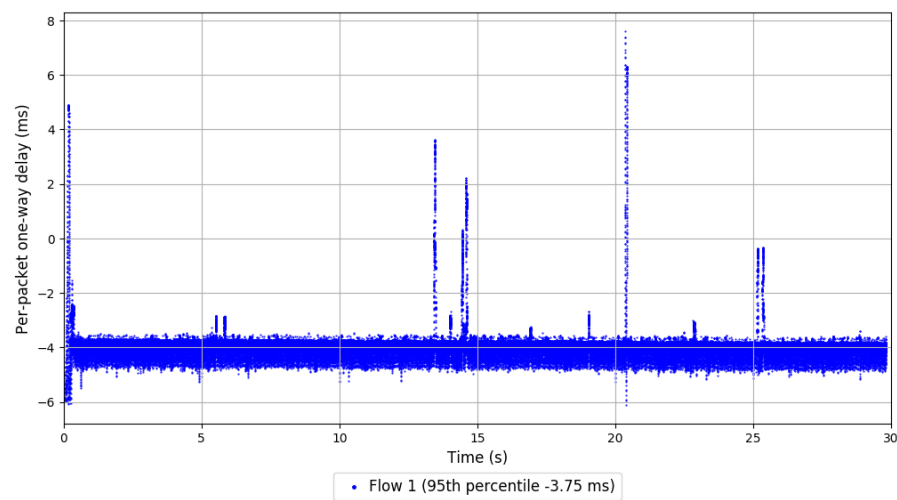
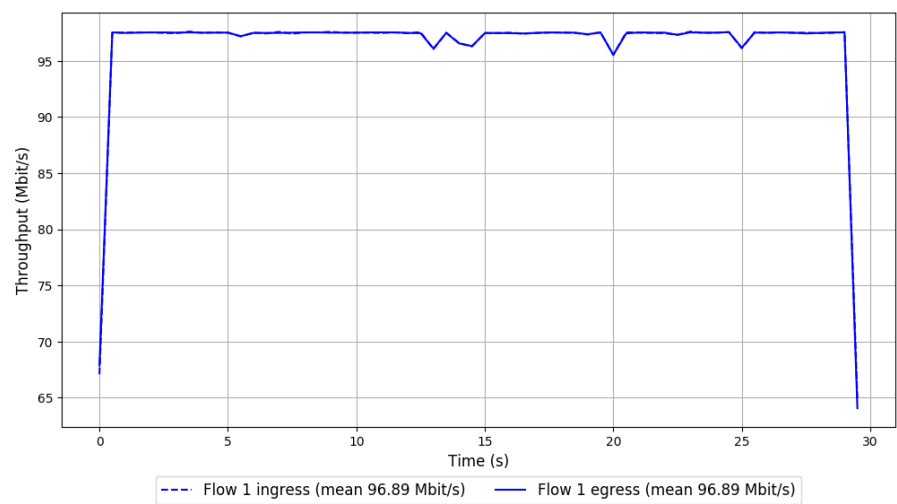
-- Flow 1:

Average throughput: 96.89 Mbit/s

95th percentile per-packet one-way delay: -3.753 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-01 19:28:55

End at: 2018-02-01 19:29:25

Local clock offset: -0.622 ms

Remote clock offset: -16.694 ms

Below is generated by plot.py at 2018-02-01 22:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.95 Mbit/s

95th percentile per-packet one-way delay: -0.689 ms

Loss rate: 0.00%

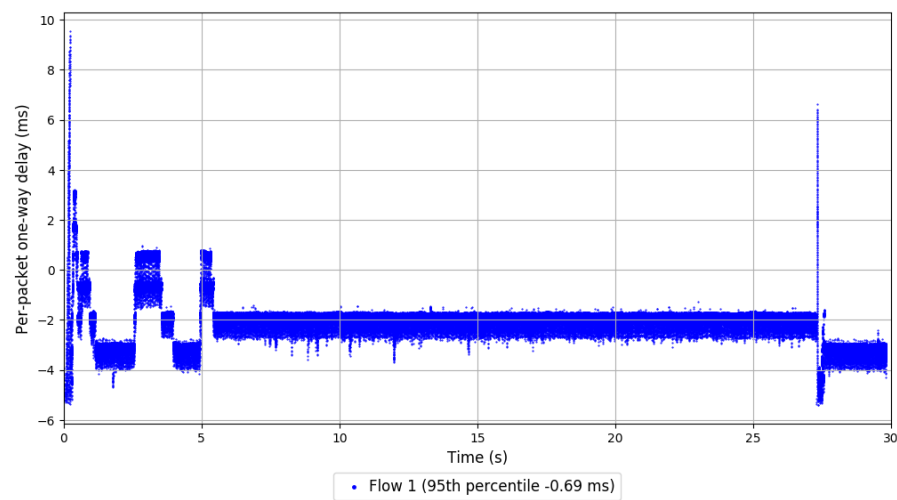
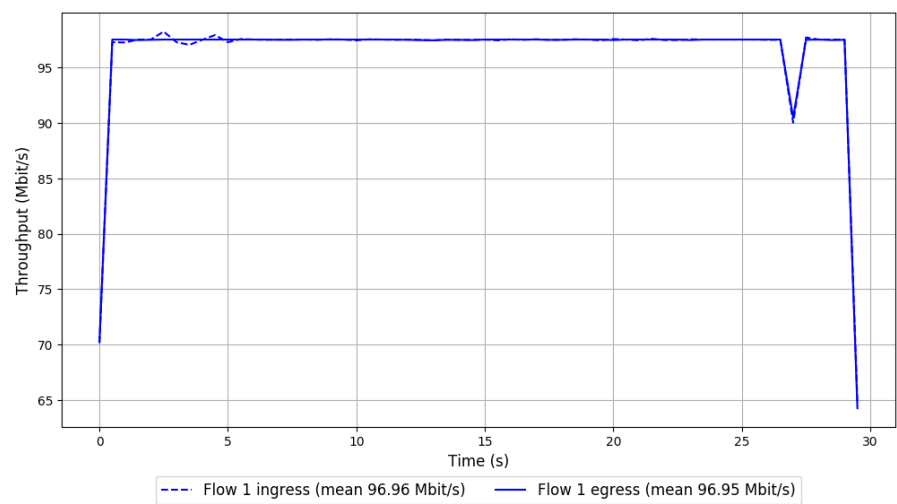
-- Flow 1:

Average throughput: 96.95 Mbit/s

95th percentile per-packet one-way delay: -0.689 ms

Loss rate: 0.00%

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

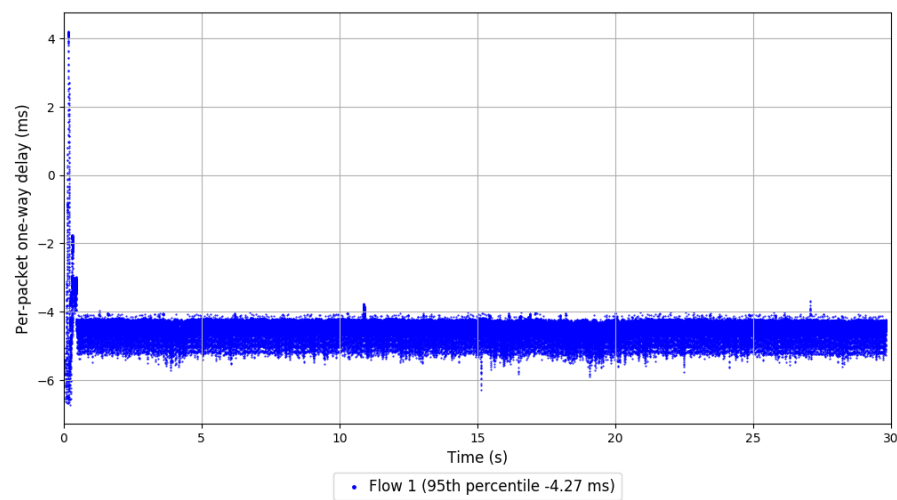
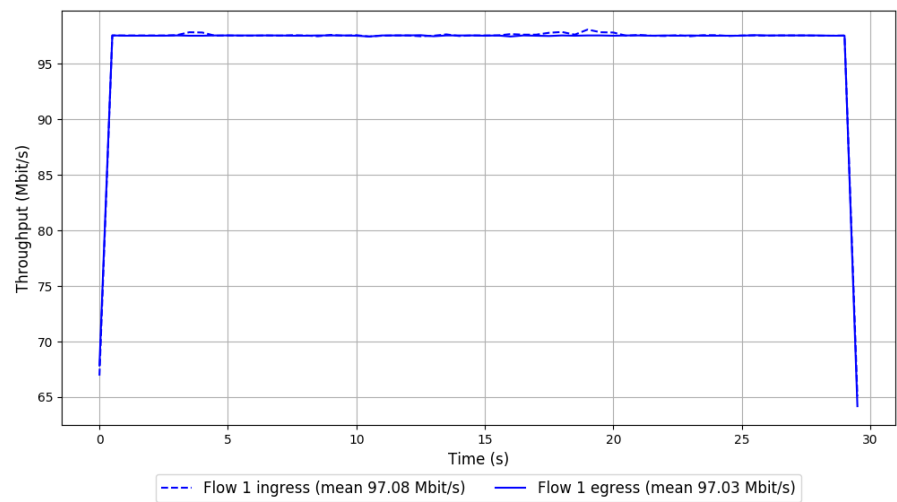


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-01 19:51:19
End at: 2018-02-01 19:51:49
Local clock offset: -1.388 ms
Remote clock offset: -17.806 ms

Below is generated by plot.py at 2018-02-01 22:16:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: -4.272 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: -4.272 ms
Loss rate: 0.05%

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

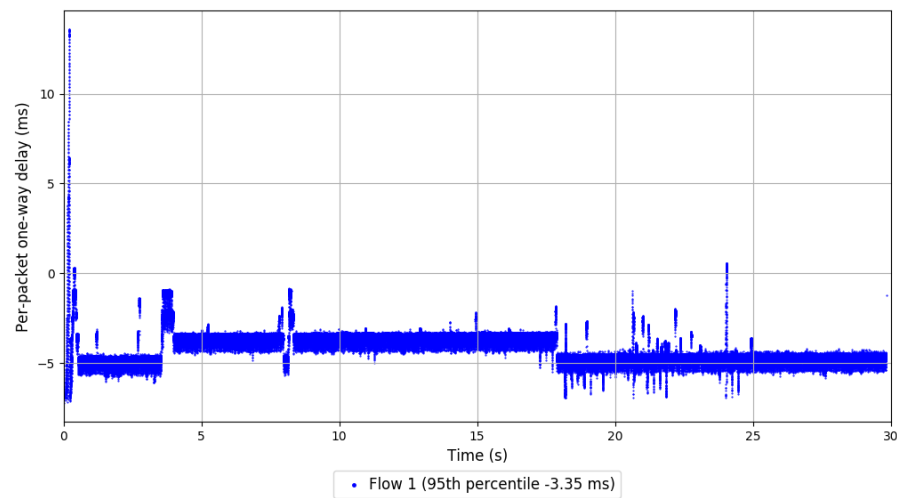
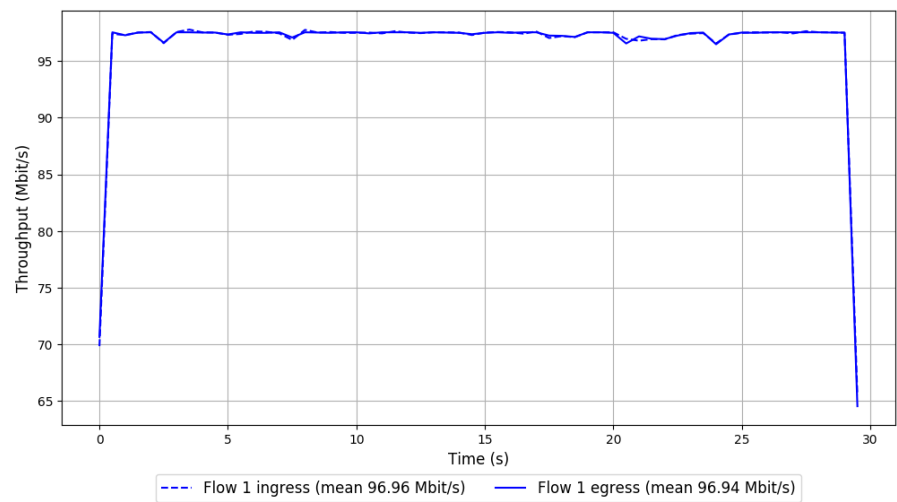


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-01 20:14:03
End at: 2018-02-01 20:14:33
Local clock offset: 0.515 ms
Remote clock offset: -18.753 ms

Below is generated by plot.py at 2018-02-01 22:16:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: -3.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: -3.350 ms
Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-01 20:36:59

End at: 2018-02-01 20:37:29

Local clock offset: 5.571 ms

Remote clock offset: -21.712 ms

Below is generated by plot.py at 2018-02-01 22:17:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: -6.981 ms

Loss rate: 0.00%

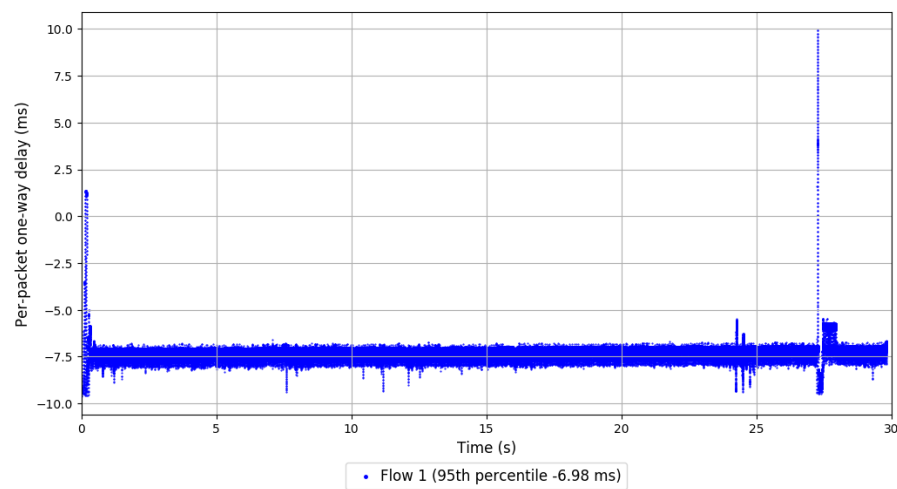
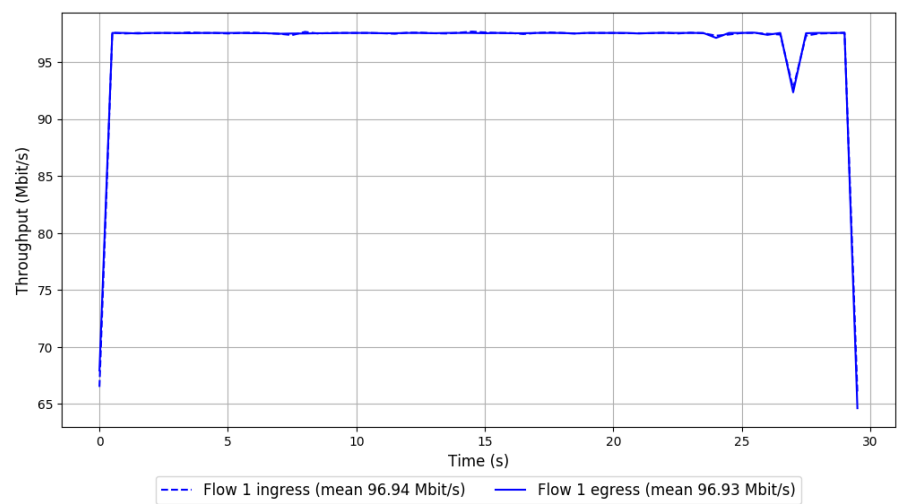
-- Flow 1:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: -6.981 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-01 20:59:36

End at: 2018-02-01 21:00:06

Local clock offset: 5.491 ms

Remote clock offset: -24.784 ms

Below is generated by plot.py at 2018-02-01 22:17:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: -7.839 ms

Loss rate: 0.21%

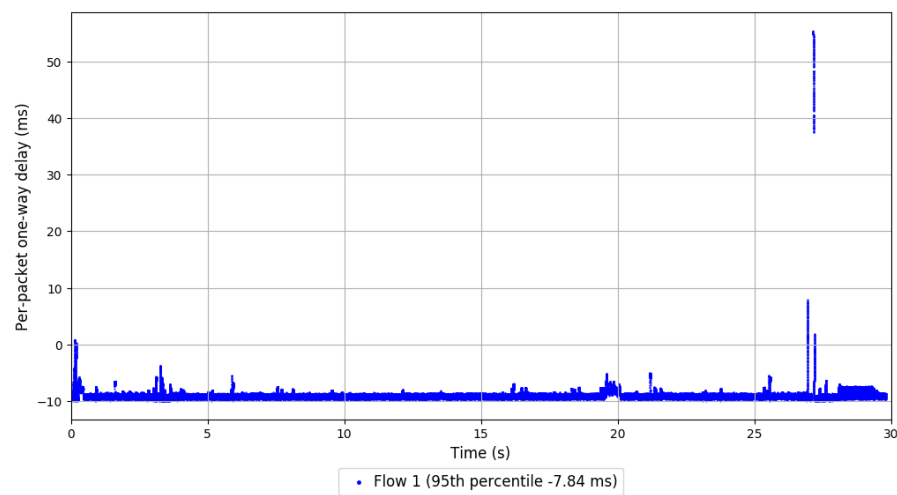
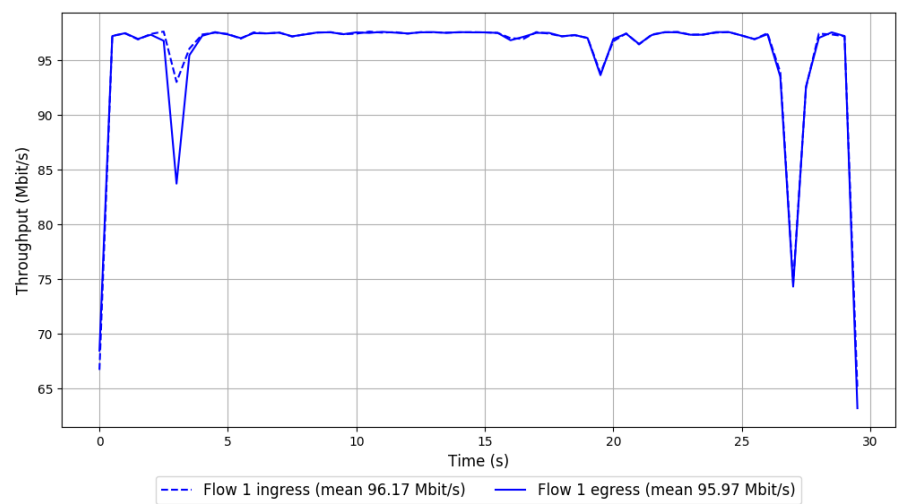
-- Flow 1:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: -7.839 ms

Loss rate: 0.21%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-01 21:22:21

End at: 2018-02-01 21:22:52

Local clock offset: 3.576 ms

Remote clock offset: -19.308 ms

Below is generated by plot.py at 2018-02-01 22:17:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: -5.686 ms

Loss rate: 0.00%

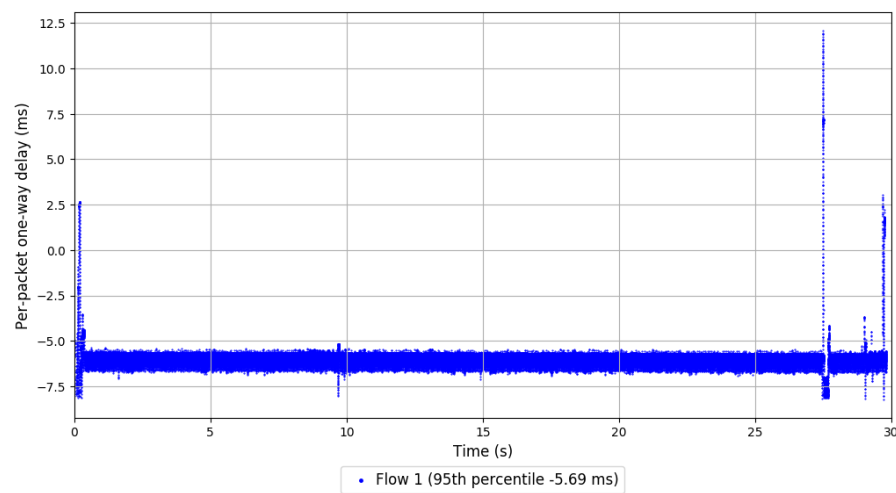
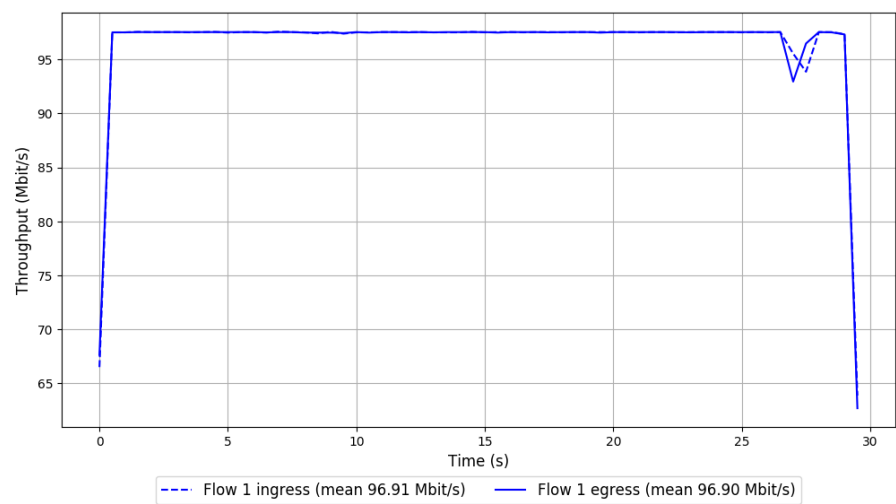
-- Flow 1:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: -5.686 ms

Loss rate: 0.00%

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

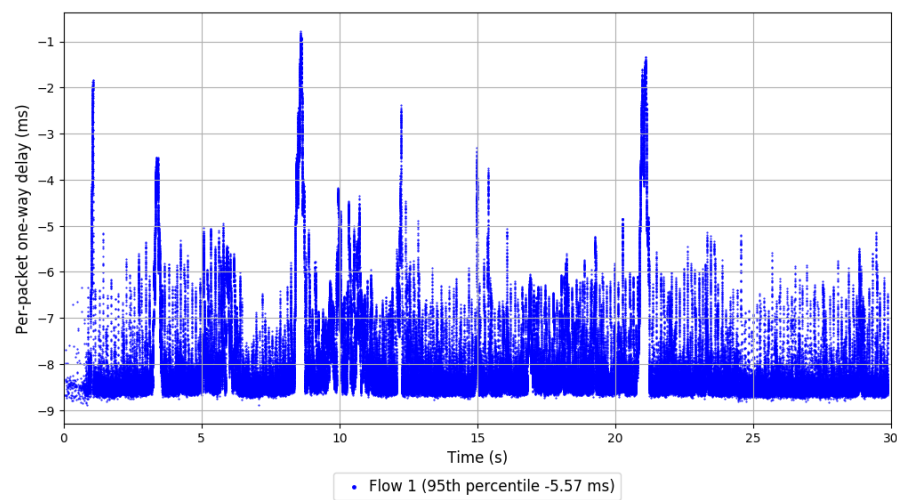
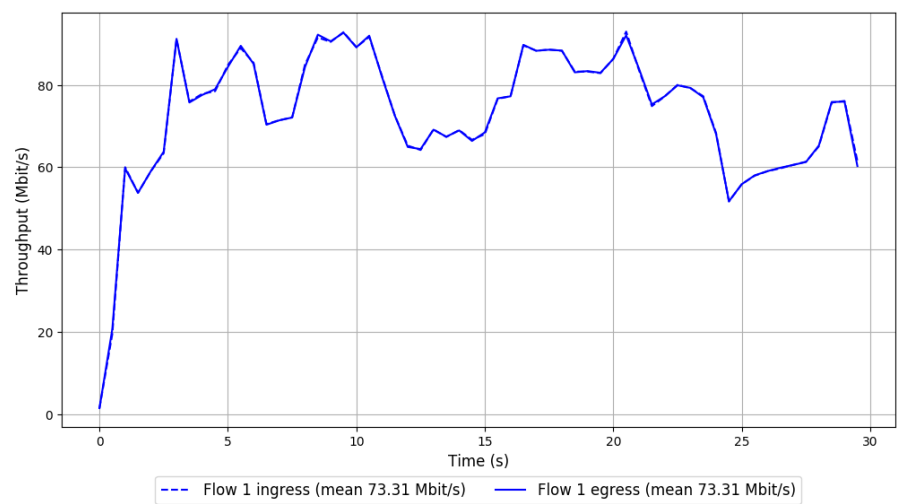


Run 1: Statistics of Vivace-latency

Start at: 2018-02-01 17:41:44
End at: 2018-02-01 17:42:14
Local clock offset: 2.254 ms
Remote clock offset: -20.936 ms

Below is generated by plot.py at 2018-02-01 22:17:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: -5.566 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: -5.566 ms
Loss rate: 0.01%

Run 1: Report of Vivace-latency — Data Link

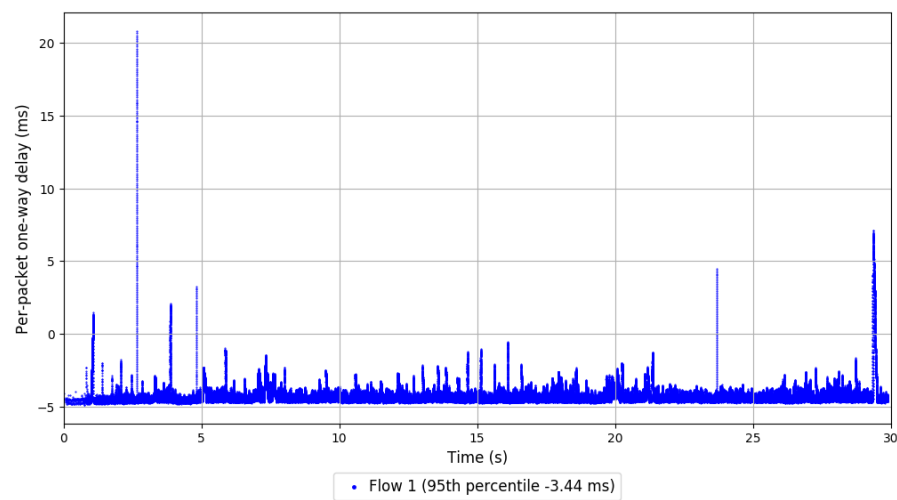
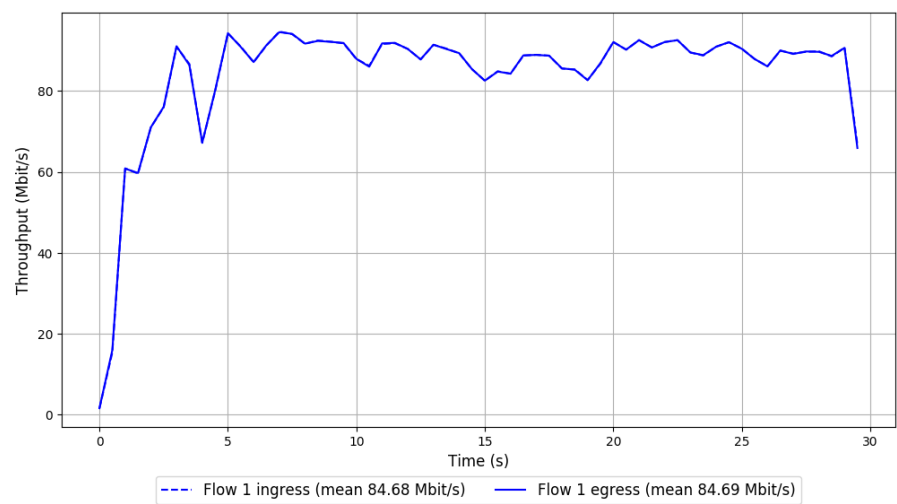


Run 2: Statistics of Vivace-latency

Start at: 2018-02-01 18:04:40
End at: 2018-02-01 18:05:10
Local clock offset: -0.144 ms
Remote clock offset: -19.741 ms

Below is generated by plot.py at 2018-02-01 22:17:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: -3.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: -3.439 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

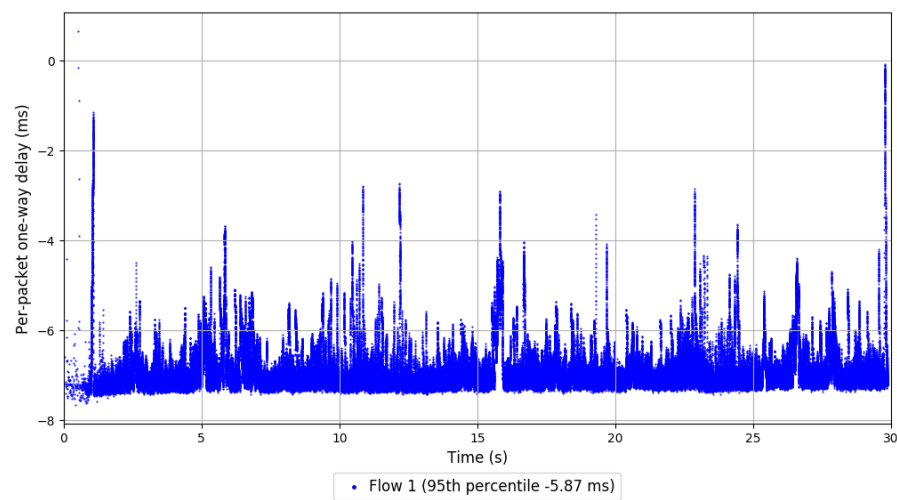
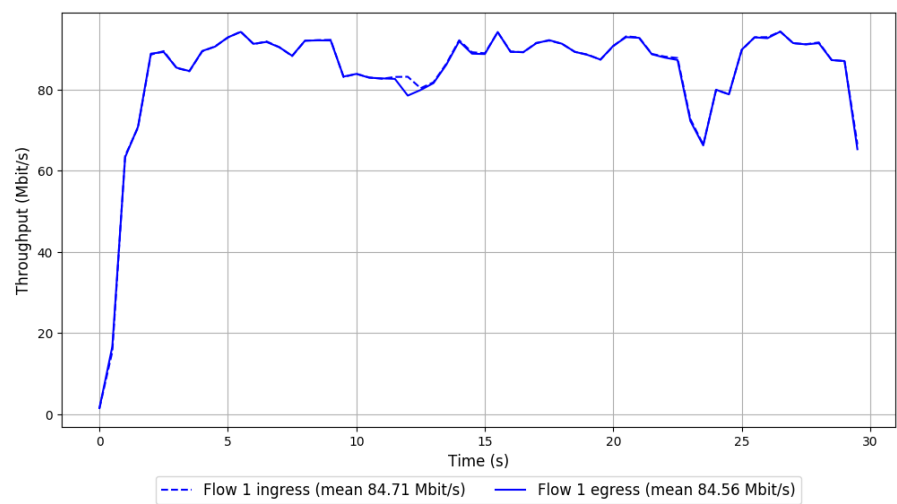


Run 3: Statistics of Vivace-latency

Start at: 2018-02-01 18:27:22
End at: 2018-02-01 18:27:52
Local clock offset: 2.603 ms
Remote clock offset: -23.078 ms

Below is generated by plot.py at 2018-02-01 22:17:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: -5.869 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: -5.869 ms
Loss rate: 0.18%

Run 3: Report of Vivace-latency — Data Link

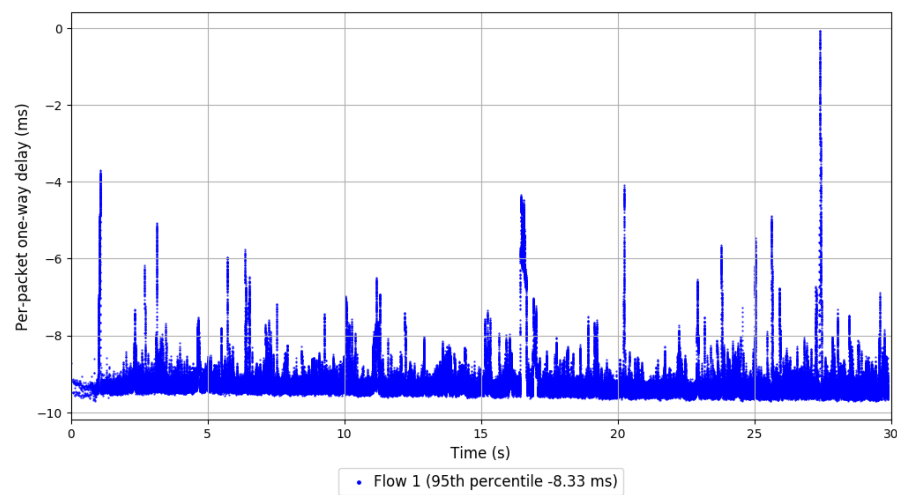
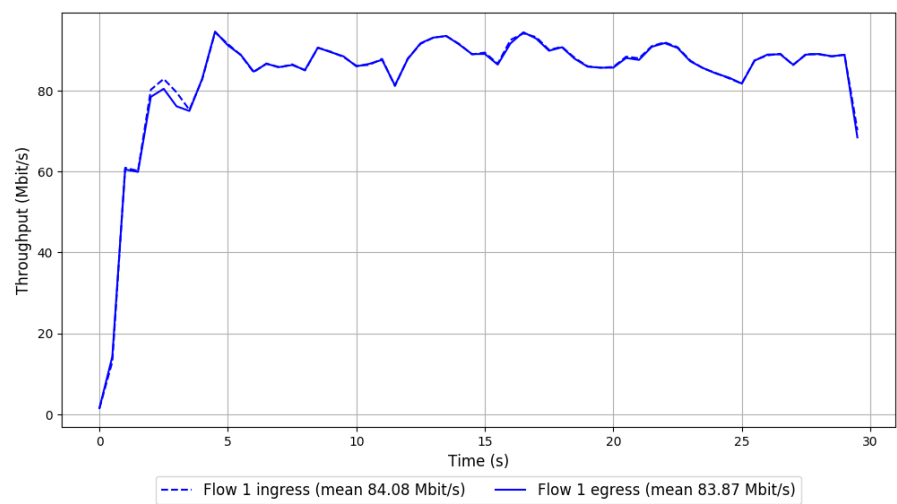


Run 4: Statistics of Vivace-latency

Start at: 2018-02-01 18:50:01
End at: 2018-02-01 18:50:31
Local clock offset: 3.723 ms
Remote clock offset: -24.113 ms

Below is generated by plot.py at 2018-02-01 22:17:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.87 Mbit/s
95th percentile per-packet one-way delay: -8.326 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 83.87 Mbit/s
95th percentile per-packet one-way delay: -8.326 ms
Loss rate: 0.25%

Run 4: Report of Vivace-latency — Data Link

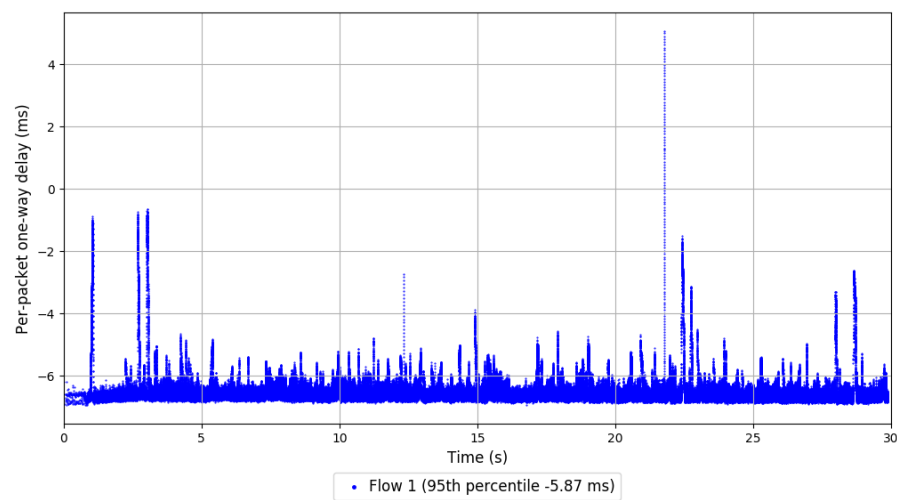
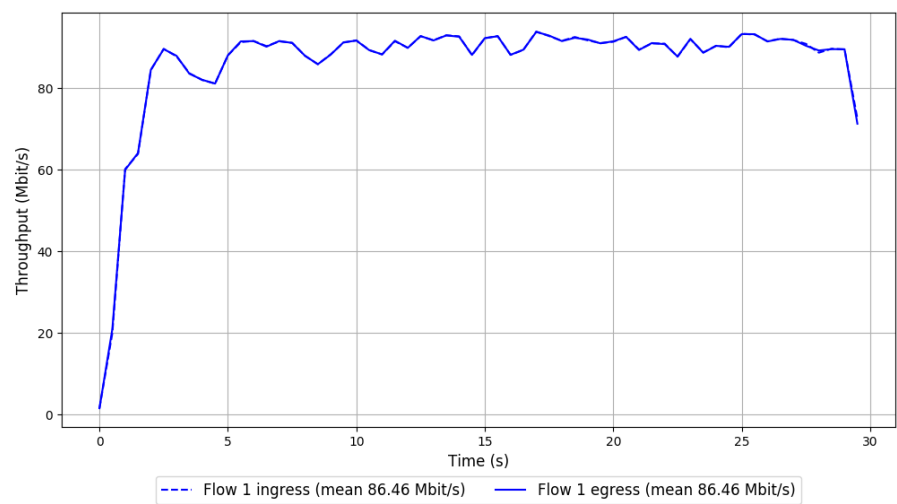


Run 5: Statistics of Vivace-latency

Start at: 2018-02-01 19:12:21
End at: 2018-02-01 19:12:51
Local clock offset: -0.294 ms
Remote clock offset: -19.16 ms

Below is generated by plot.py at 2018-02-01 22:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: -5.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: -5.865 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

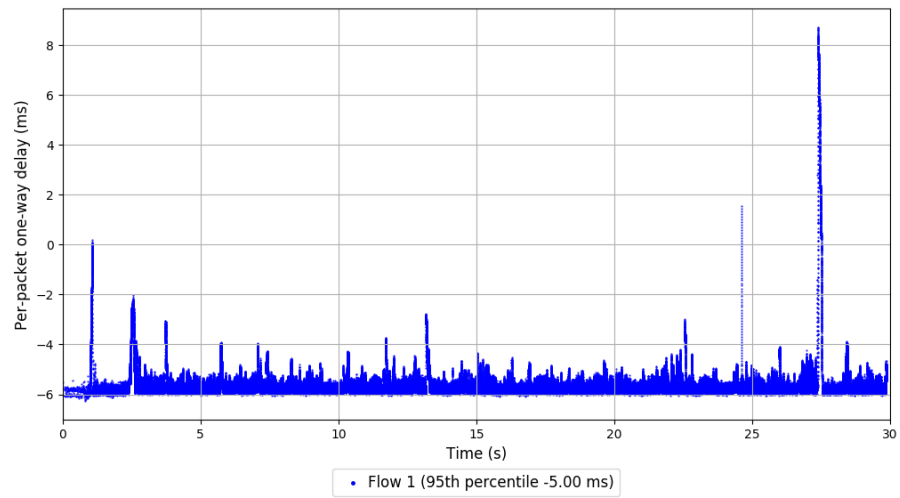
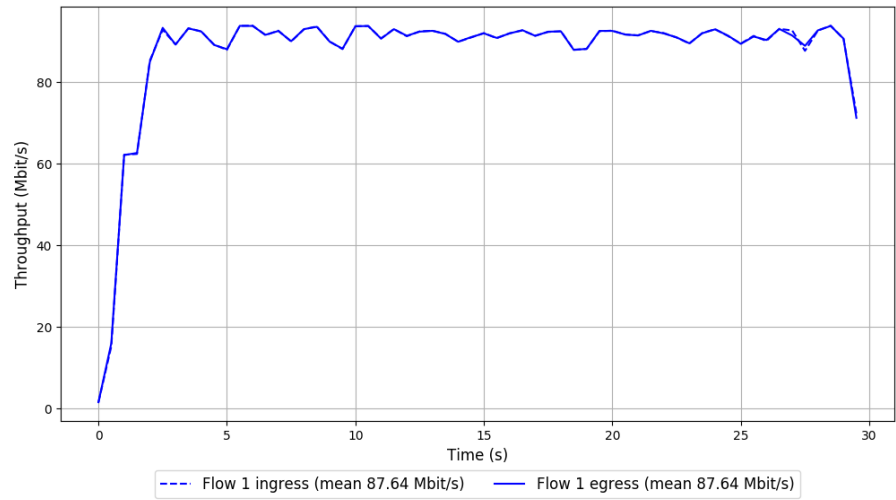


Run 6: Statistics of Vivace-latency

Start at: 2018-02-01 19:34:44
End at: 2018-02-01 19:35:14
Local clock offset: -1.72 ms
Remote clock offset: -18.211 ms

Below is generated by plot.py at 2018-02-01 22:18:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: -4.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: -4.998 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

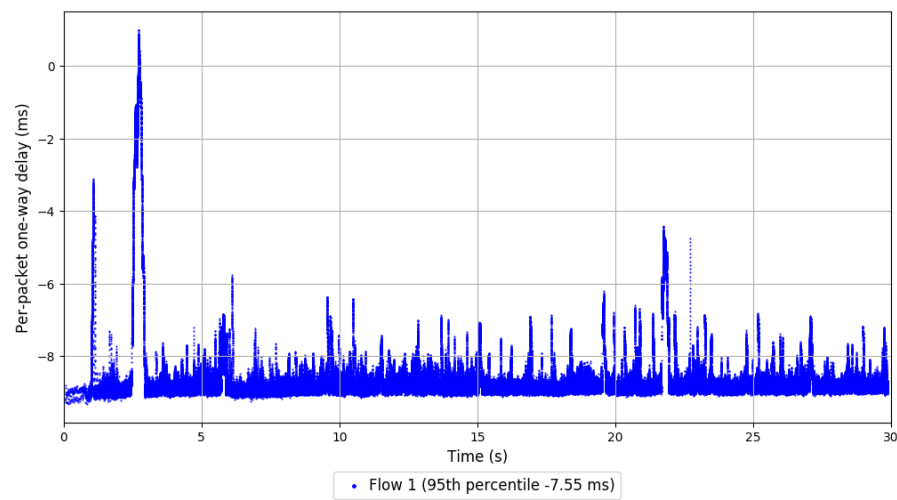
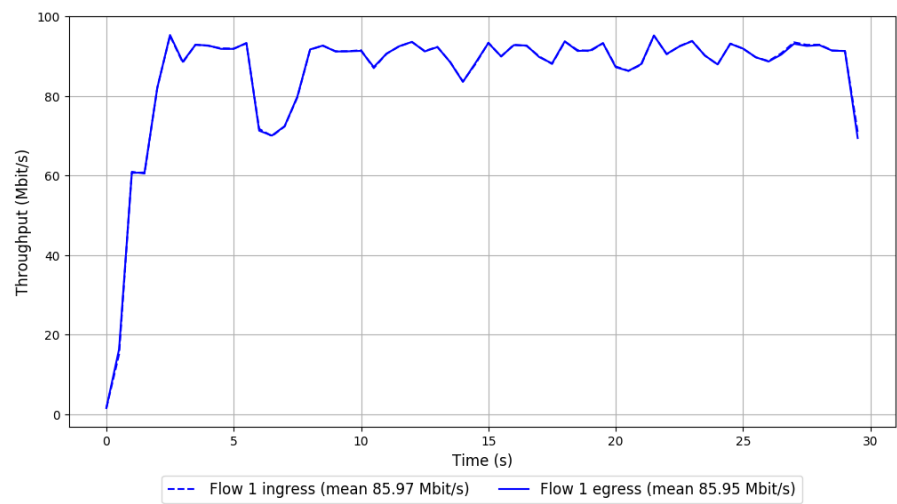


Run 7: Statistics of Vivace-latency

Start at: 2018-02-01 19:57:17
End at: 2018-02-01 19:57:47
Local clock offset: 1.795 ms
Remote clock offset: -17.071 ms

Below is generated by plot.py at 2018-02-01 22:18:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: -7.555 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: -7.555 ms
Loss rate: 0.02%

Run 7: Report of Vivace-latency — Data Link

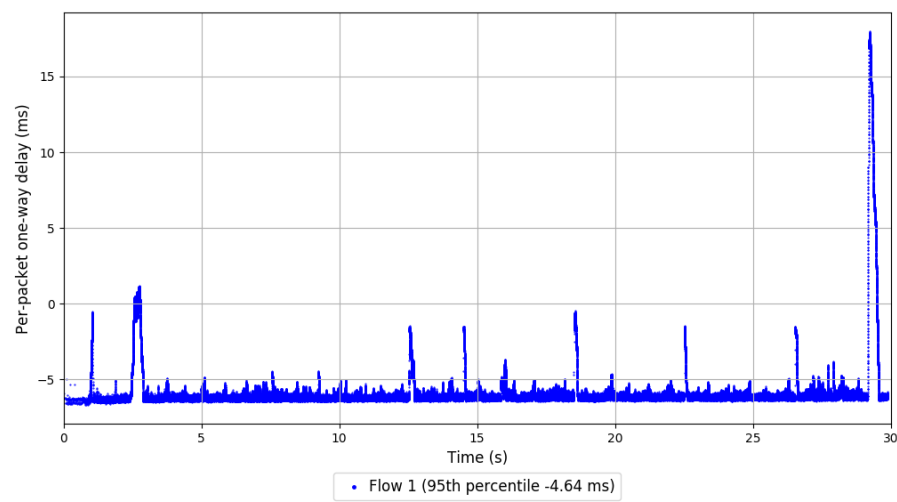
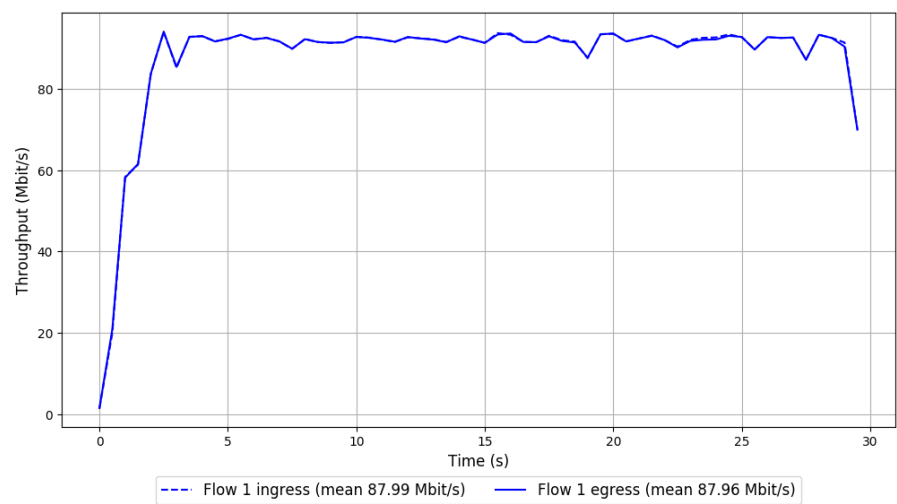


Run 8: Statistics of Vivace-latency

Start at: 2018-02-01 20:19:58
End at: 2018-02-01 20:20:28
Local clock offset: 0.853 ms
Remote clock offset: -19.36 ms

Below is generated by plot.py at 2018-02-01 22:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: -4.636 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: -4.636 ms
Loss rate: 0.04%

Run 8: Report of Vivace-latency — Data Link

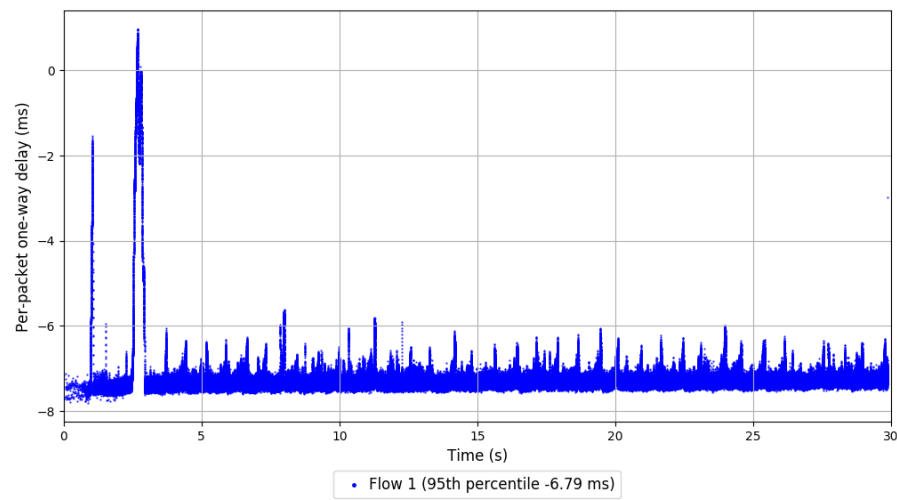
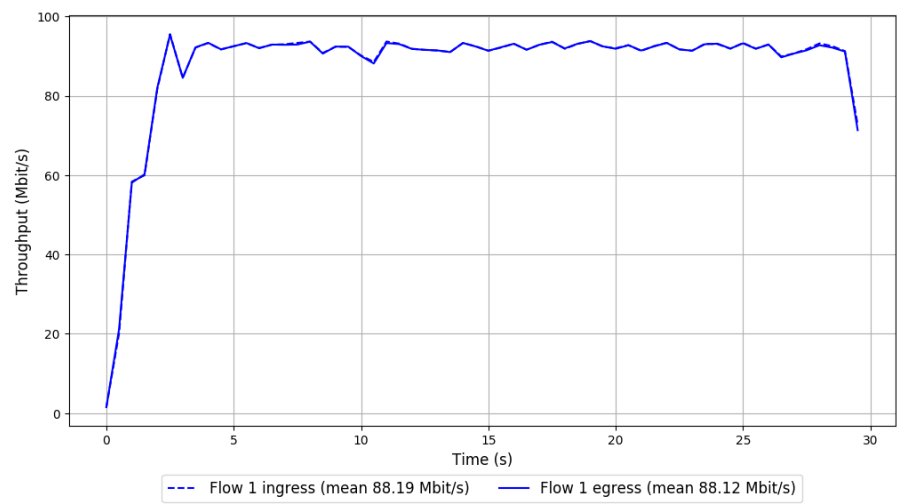


Run 9: Statistics of Vivace-latency

Start at: 2018-02-01 20:42:58
End at: 2018-02-01 20:43:29
Local clock offset: 5.366 ms
Remote clock offset: -21.257 ms

Below is generated by plot.py at 2018-02-01 22:18:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: -6.793 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: -6.793 ms
Loss rate: 0.06%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-01 21:05:50

End at: 2018-02-01 21:06:20

Local clock offset: 4.62 ms

Remote clock offset: -23.627 ms

Below is generated by plot.py at 2018-02-01 22:18:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: -8.037 ms

Loss rate: 0.00%

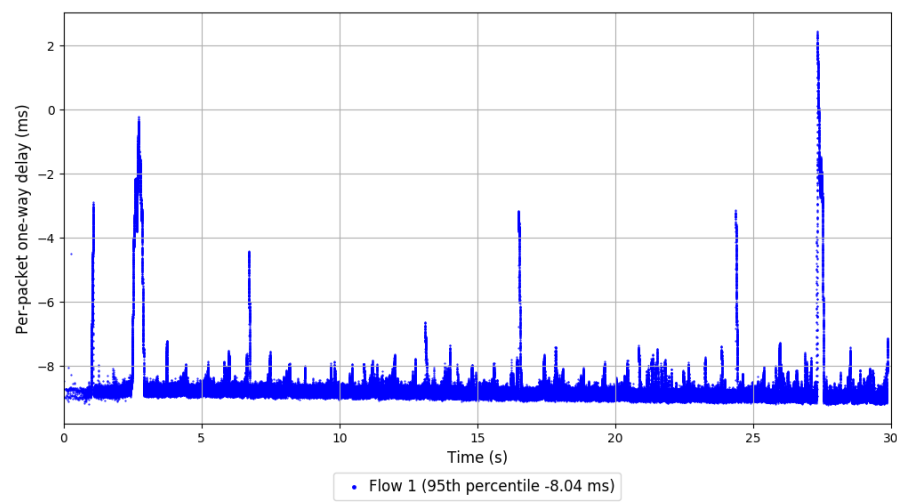
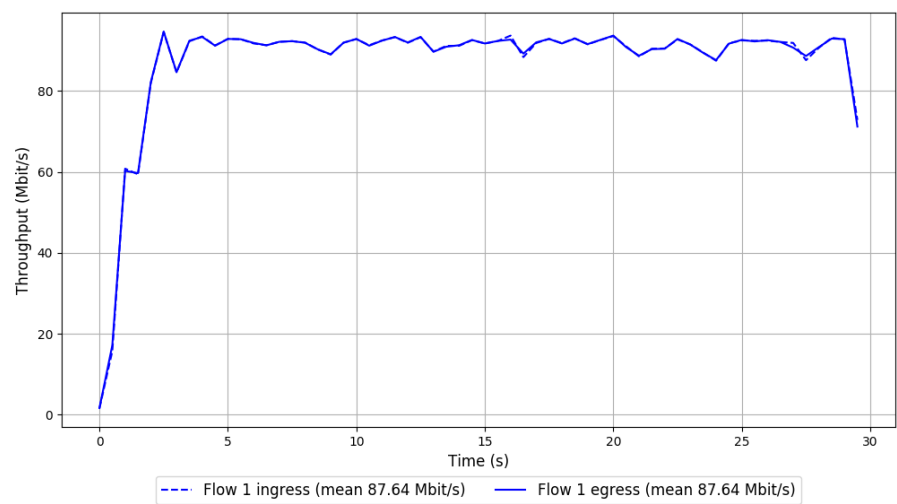
-- Flow 1:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: -8.037 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

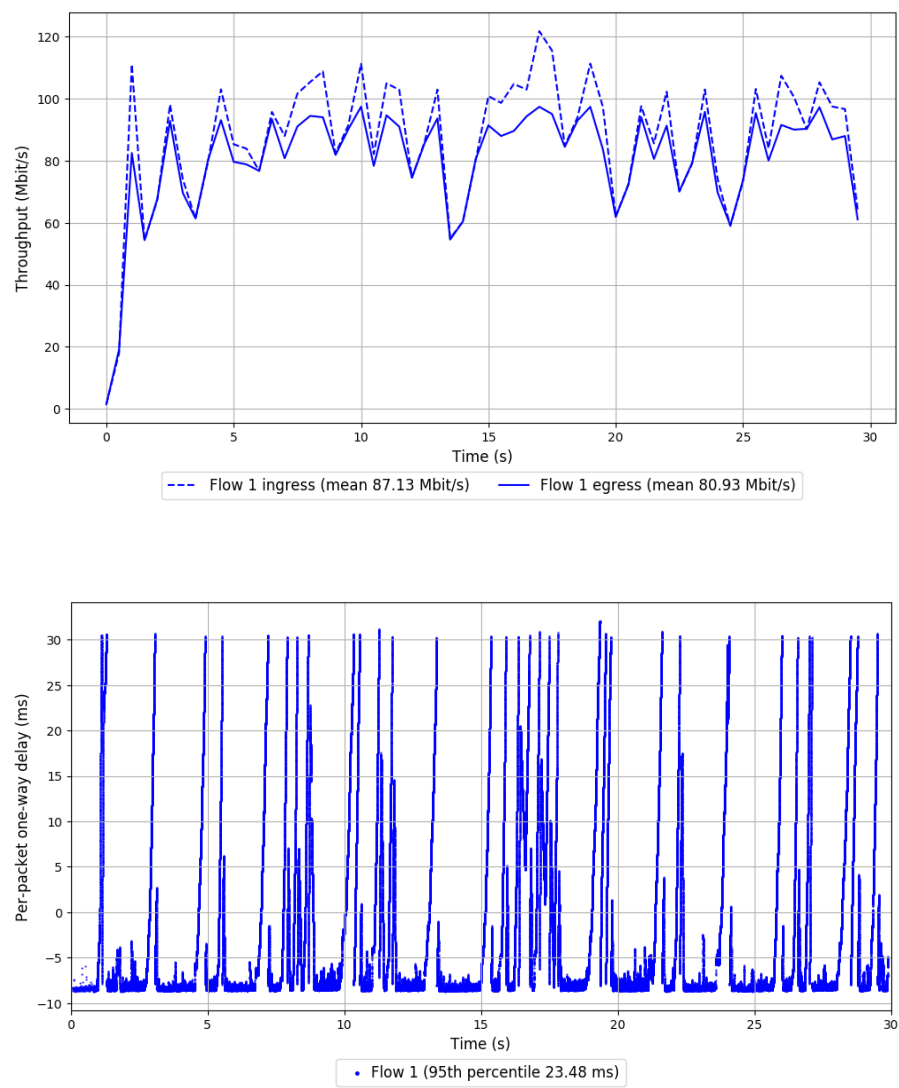


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-01 17:52:52
End at: 2018-02-01 17:53:22
Local clock offset: 2.46 ms
Remote clock offset: -20.125 ms

# Below is generated by plot.py at 2018-02-01 22:18:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.93 Mbit/s
95th percentile per-packet one-way delay: 23.479 ms
Loss rate: 7.11%
-- Flow 1:
Average throughput: 80.93 Mbit/s
95th percentile per-packet one-way delay: 23.479 ms
Loss rate: 7.11%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-01 18:15:38

End at: 2018-02-01 18:16:08

Local clock offset: 1.916 ms

Remote clock offset: -20.849 ms

Below is generated by plot.py at 2018-02-01 22:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 26.295 ms

Loss rate: 8.70%

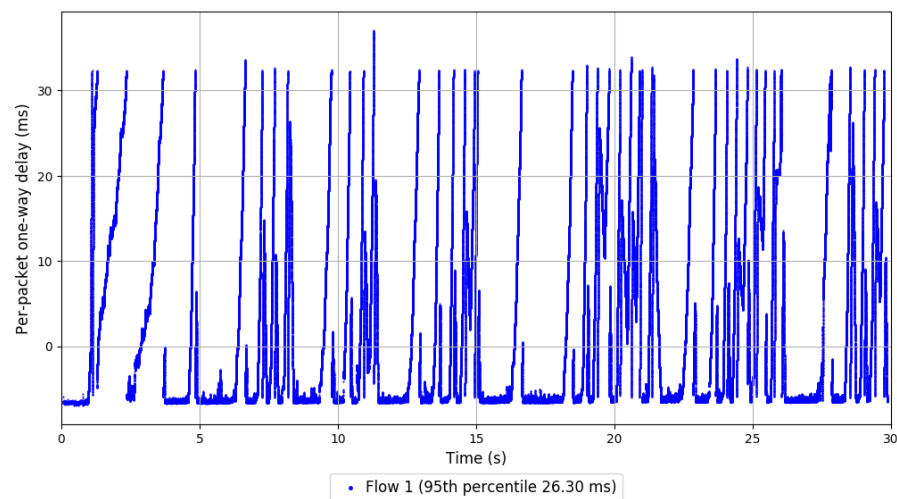
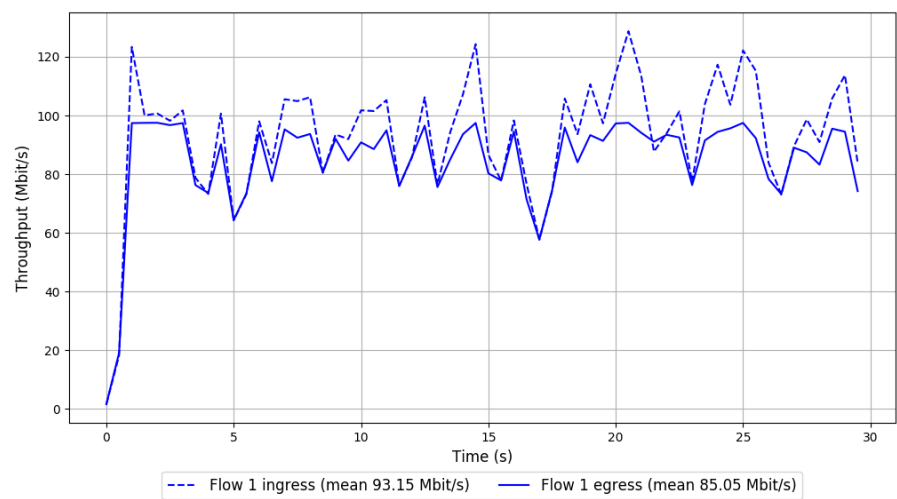
-- Flow 1:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 26.295 ms

Loss rate: 8.70%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-01 18:38:24

End at: 2018-02-01 18:38:54

Local clock offset: -0.501 ms

Remote clock offset: -25.298 ms

Below is generated by plot.py at 2018-02-01 22:19:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 28.493 ms

Loss rate: 11.56%

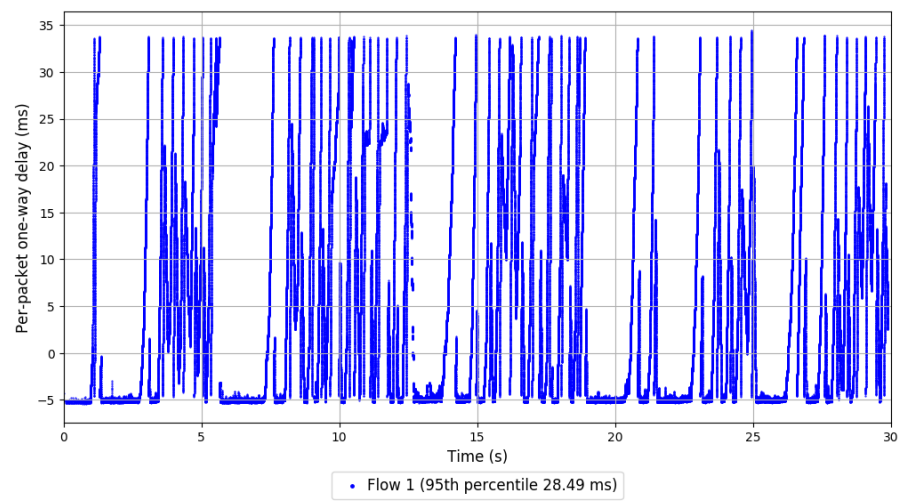
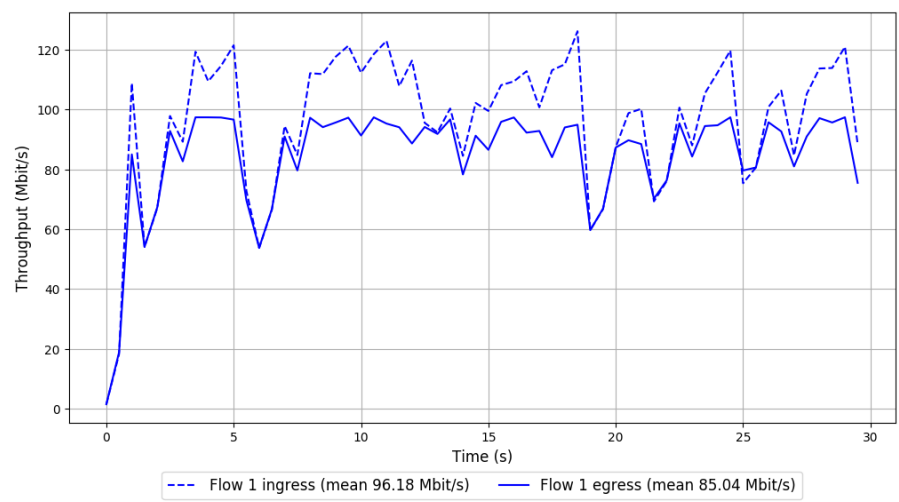
-- Flow 1:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 28.493 ms

Loss rate: 11.56%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-01 19:00:49

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

Local clock offset: 3.015 ms

Remote clock offset: -19.738 ms

Below is generated by plot.py at 2018-02-01 22:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 25.552 ms

Loss rate: 10.26%

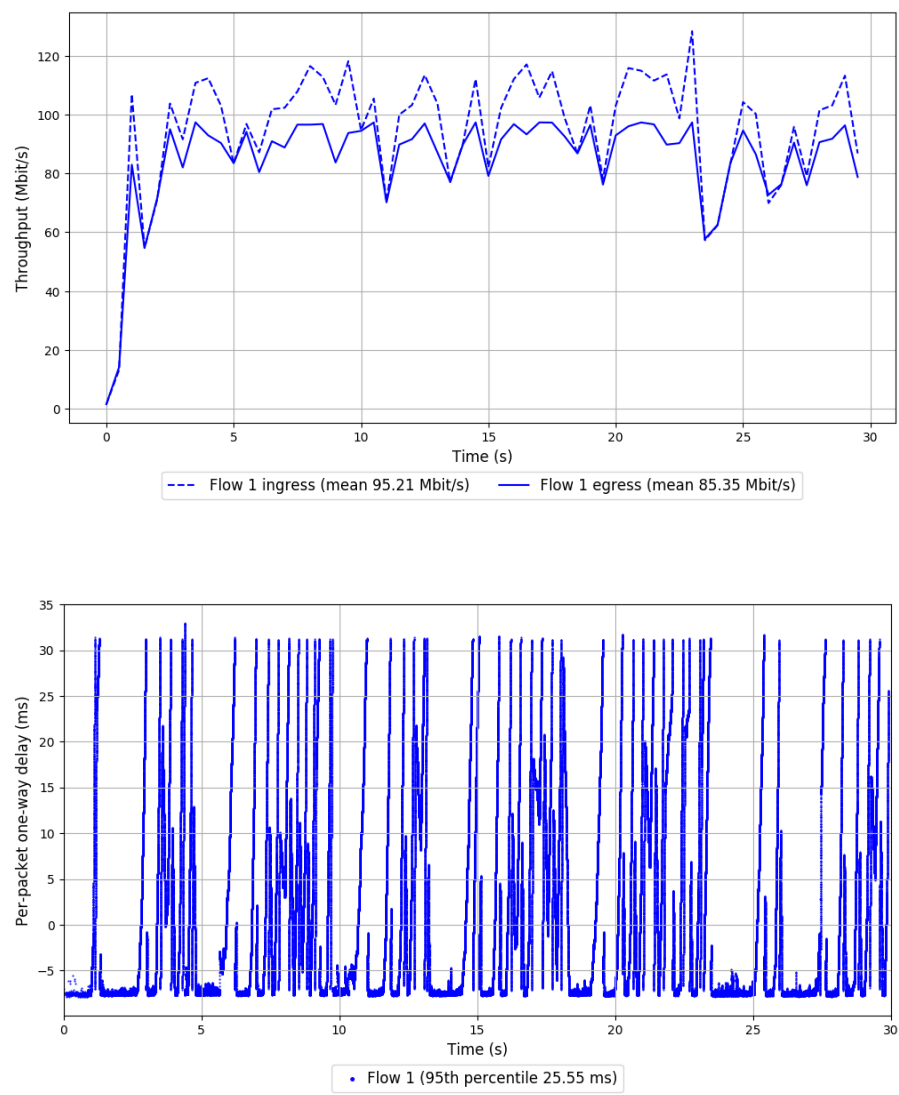
-- Flow 1:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 25.552 ms

Loss rate: 10.26%

Run 4: Report of Vivace-loss — Data Link

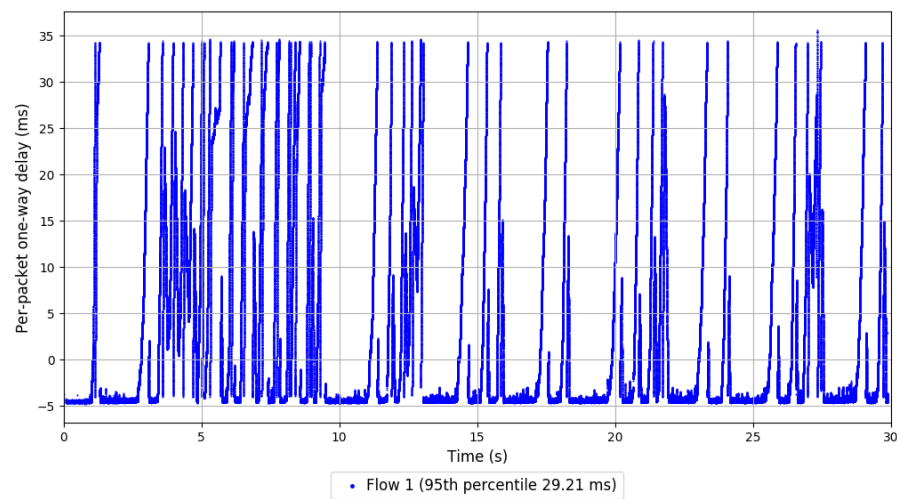
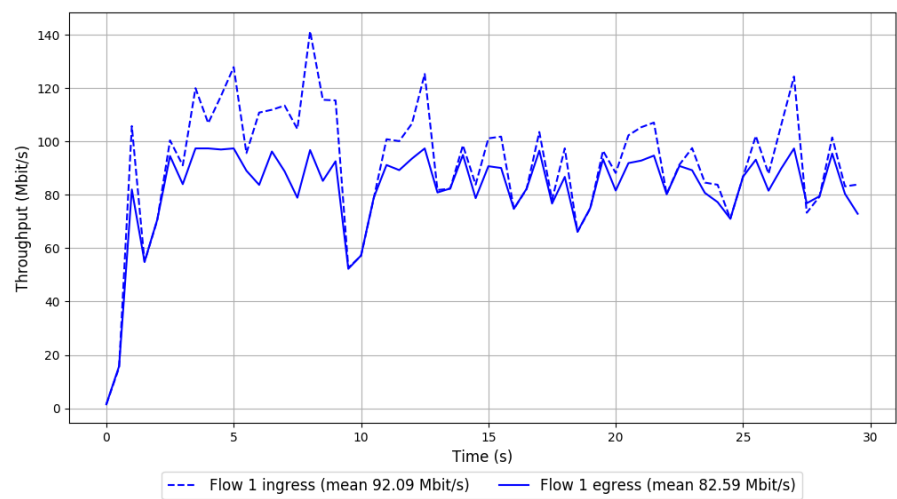


Run 5: Statistics of Vivace-loss

Start at: 2018-02-01 19:23:12
End at: 2018-02-01 19:23:42
Local clock offset: -1.466 ms
Remote clock offset: -16.998 ms

Below is generated by plot.py at 2018-02-01 22:19:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 29.208 ms
Loss rate: 10.30%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 29.208 ms
Loss rate: 10.30%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-01 19:45:31

End at: 2018-02-01 19:46:01

Local clock offset: -0.962 ms

Remote clock offset: -17.778 ms

Below is generated by plot.py at 2018-02-01 22:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.30 Mbit/s

95th percentile per-packet one-way delay: 24.735 ms

Loss rate: 7.24%

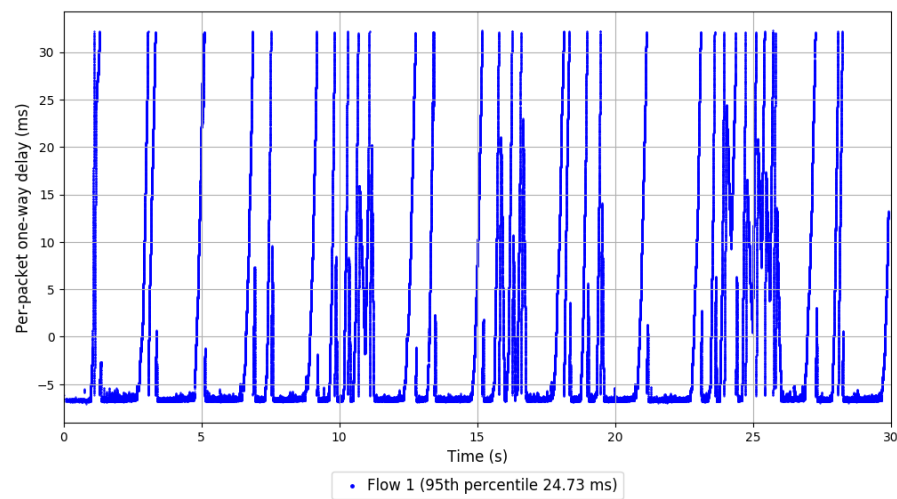
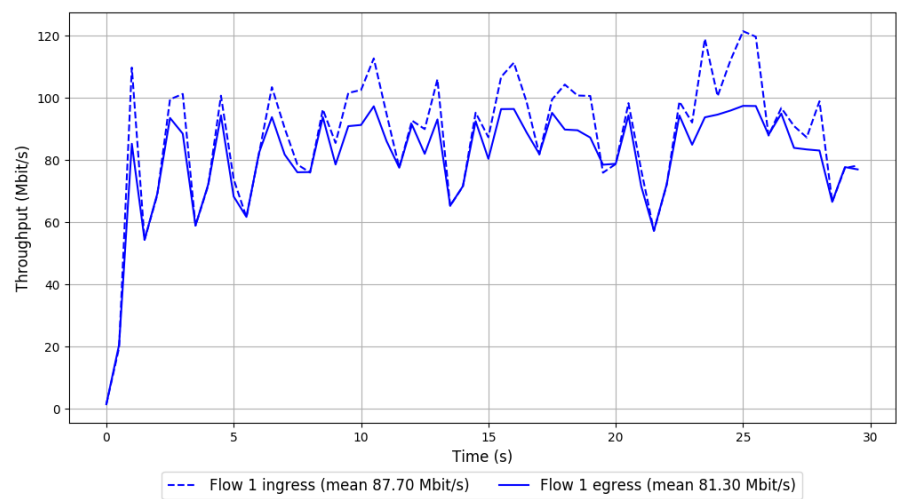
-- Flow 1:

Average throughput: 81.30 Mbit/s

95th percentile per-packet one-way delay: 24.735 ms

Loss rate: 7.24%

Run 6: Report of Vivace-loss — Data Link

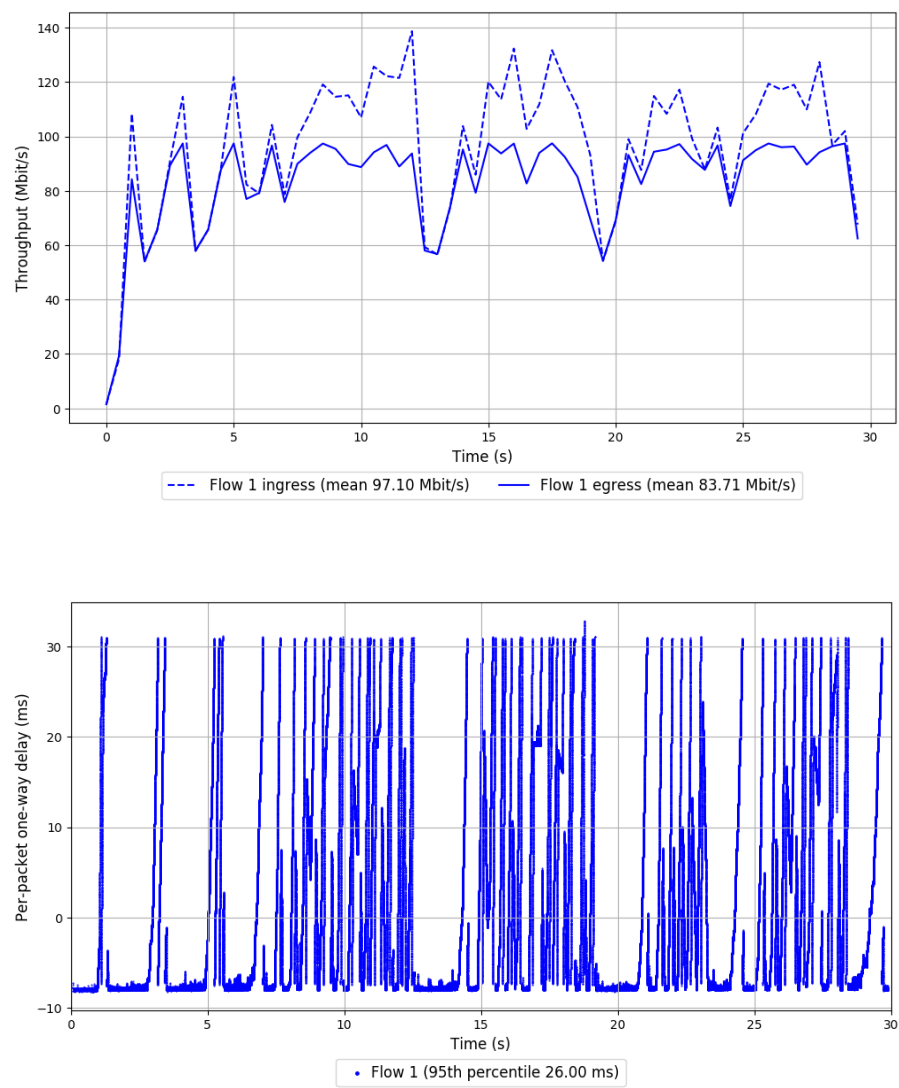


Run 7: Statistics of Vivace-loss

Start at: 2018-02-01 20:08:12
End at: 2018-02-01 20:08:42
Local clock offset: -0.912 ms
Remote clock offset: -19.446 ms

Below is generated by plot.py at 2018-02-01 22:19:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 25.995 ms
Loss rate: 13.80%
-- Flow 1:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 25.995 ms
Loss rate: 13.80%

Run 7: Report of Vivace-loss — Data Link

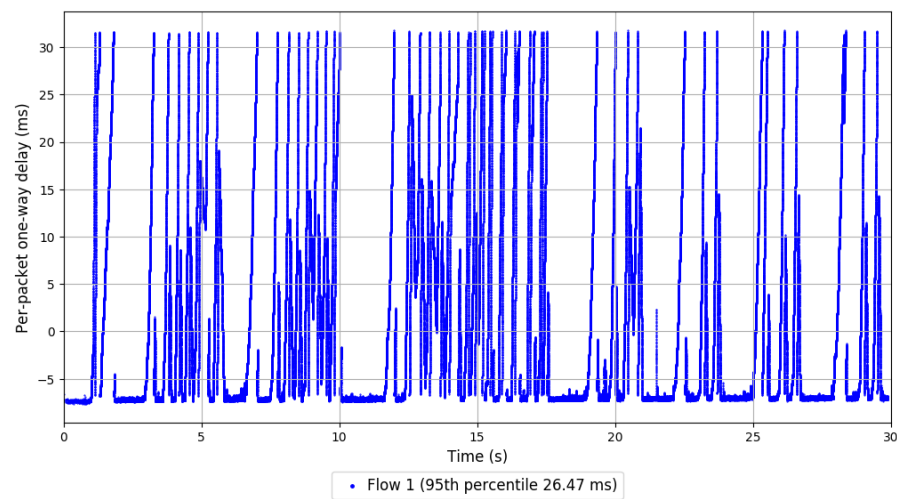
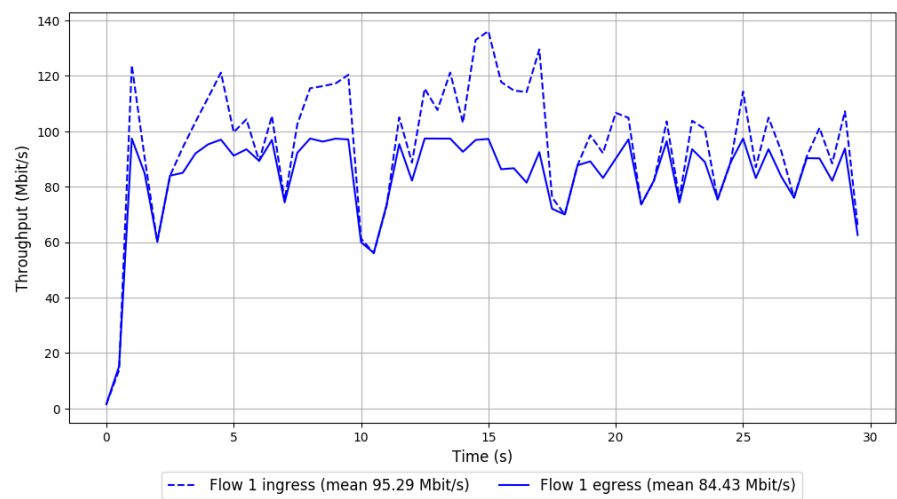


Run 8: Statistics of Vivace-loss

Start at: 2018-02-01 20:30:57
End at: 2018-02-01 20:31:27
Local clock offset: 2.894 ms
Remote clock offset: -20.21 ms

Below is generated by plot.py at 2018-02-01 22:20:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 26.473 ms
Loss rate: 11.40%
-- Flow 1:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 26.473 ms
Loss rate: 11.40%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-01 20:53:50

End at: 2018-02-01 20:54:20

Local clock offset: 4.232 ms

Remote clock offset: -22.86 ms

Below is generated by plot.py at 2018-02-01 22:20:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 26.987 ms

Loss rate: 10.70%

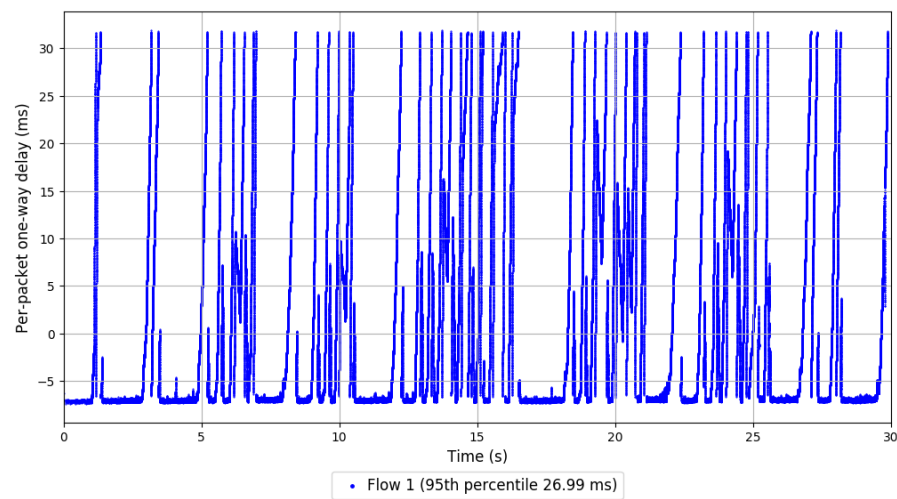
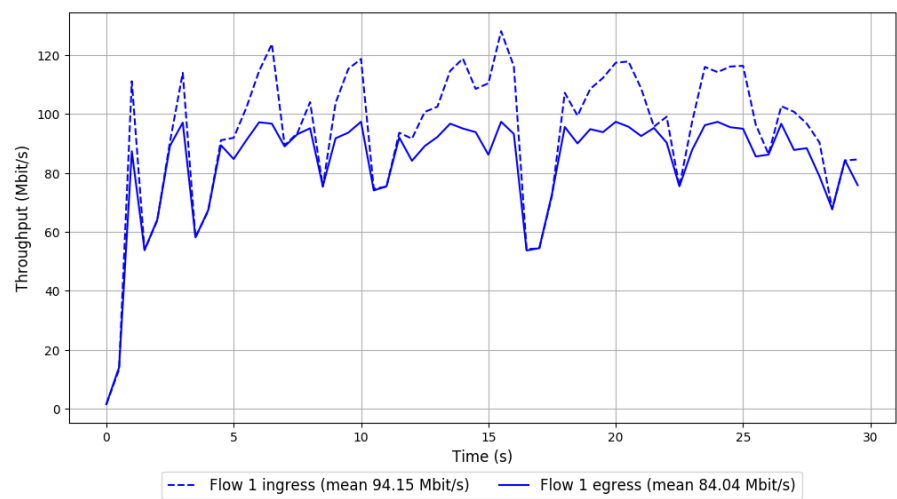
-- Flow 1:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 26.987 ms

Loss rate: 10.70%

Run 9: Report of Vivace-loss — Data Link

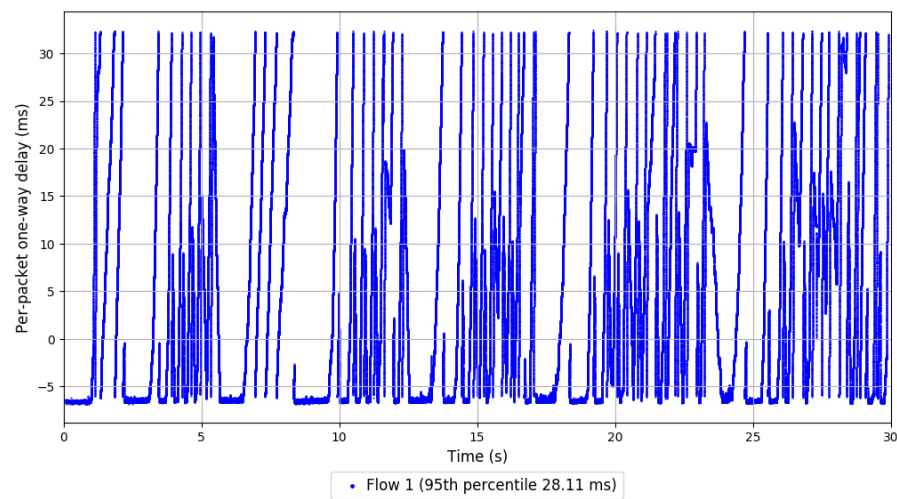
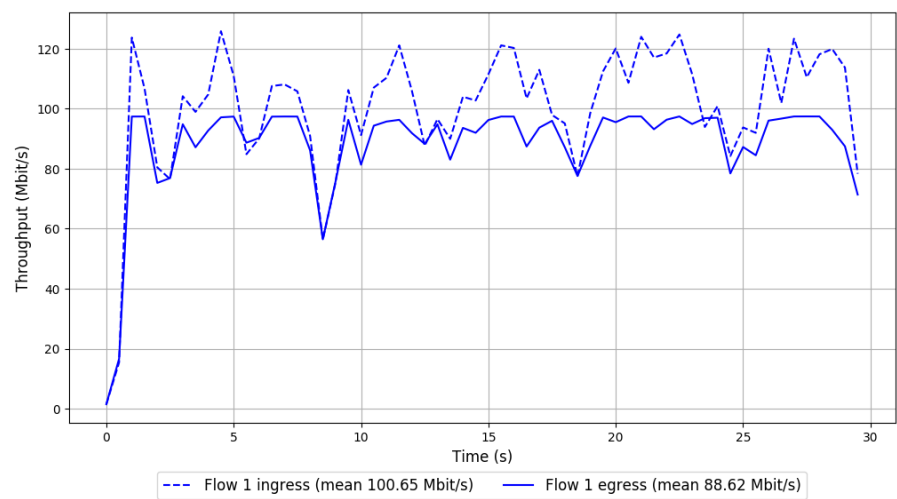


Run 10: Statistics of Vivace-loss

Start at: 2018-02-01 21:16:38
End at: 2018-02-01 21:17:08
Local clock offset: 5.019 ms
Remote clock offset: -17.575 ms

Below is generated by plot.py at 2018-02-01 22:20:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.62 Mbit/s
95th percentile per-packet one-way delay: 28.112 ms
Loss rate: 11.87%
-- Flow 1:
Average throughput: 88.62 Mbit/s
95th percentile per-packet one-way delay: 28.112 ms
Loss rate: 11.87%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-01 17:51:37

End at: 2018-02-01 17:52:07

Local clock offset: 2.49 ms

Remote clock offset: -20.46 ms

Below is generated by plot.py at 2018-02-01 22:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.82 Mbit/s

95th percentile per-packet one-way delay: -2.512 ms

Loss rate: 1.31%

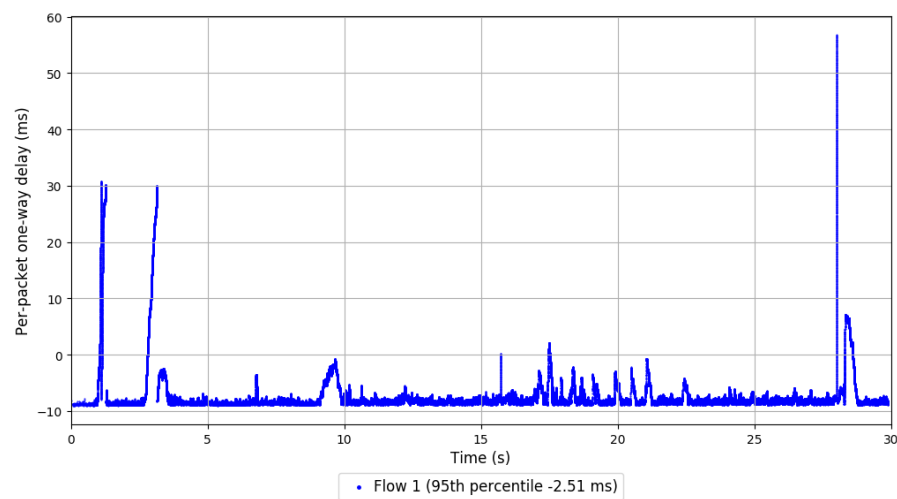
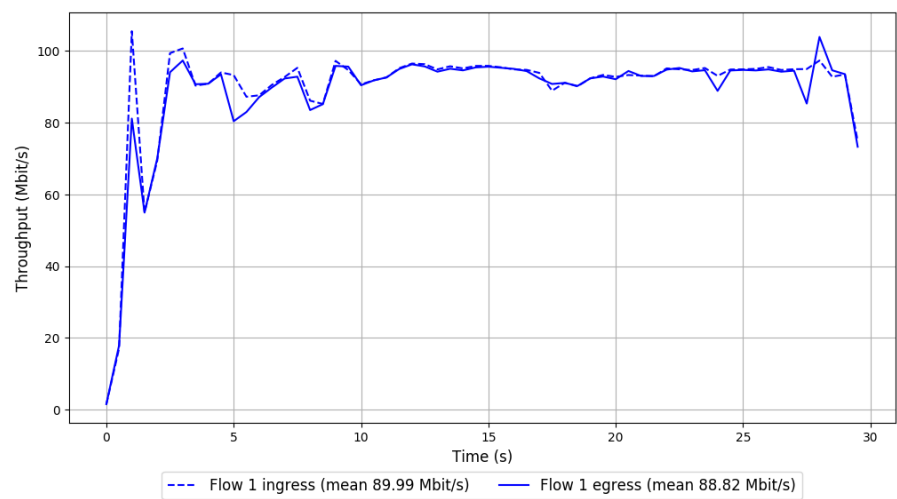
-- Flow 1:

Average throughput: 88.82 Mbit/s

95th percentile per-packet one-way delay: -2.512 ms

Loss rate: 1.31%

Run 1: Report of Vivace-LTE — Data Link

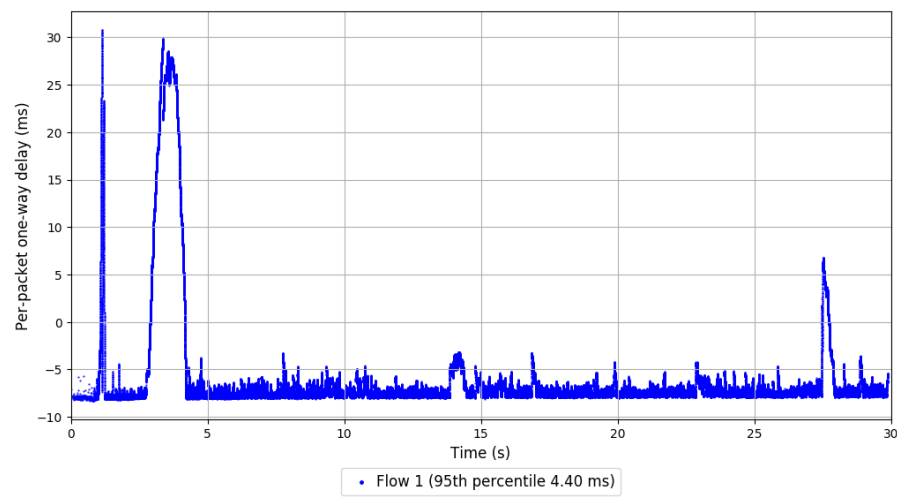
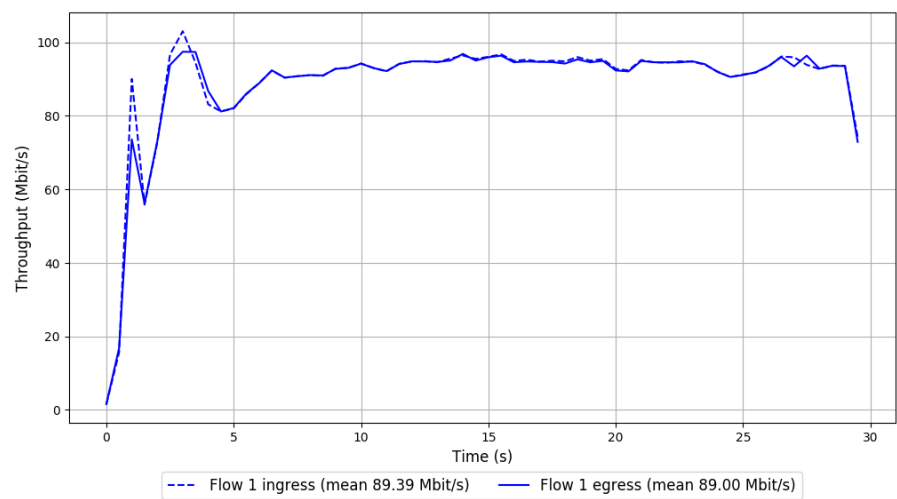


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-01 18:14:26
End at: 2018-02-01 18:14:56
Local clock offset: 2.928 ms
Remote clock offset: -20.885 ms

Below is generated by plot.py at 2018-02-01 22:21:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: 4.401 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: 4.401 ms
Loss rate: 0.43%

Run 2: Report of Vivace-LTE — Data Link

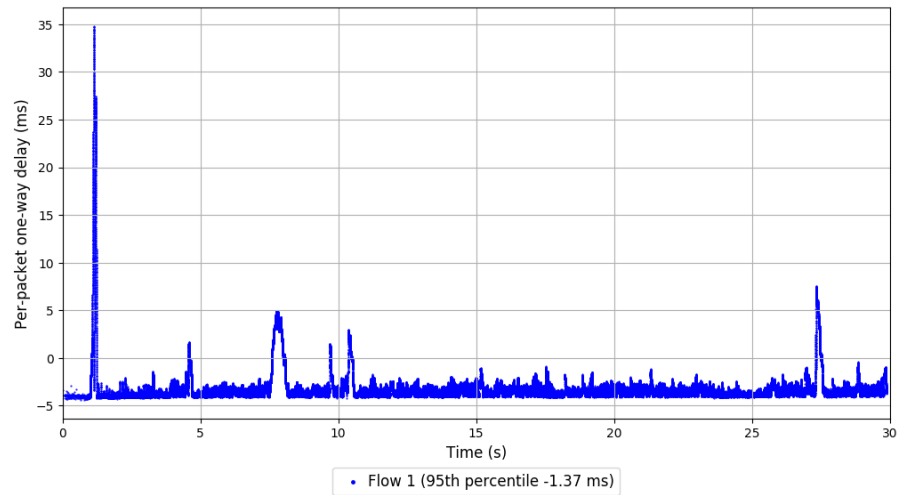
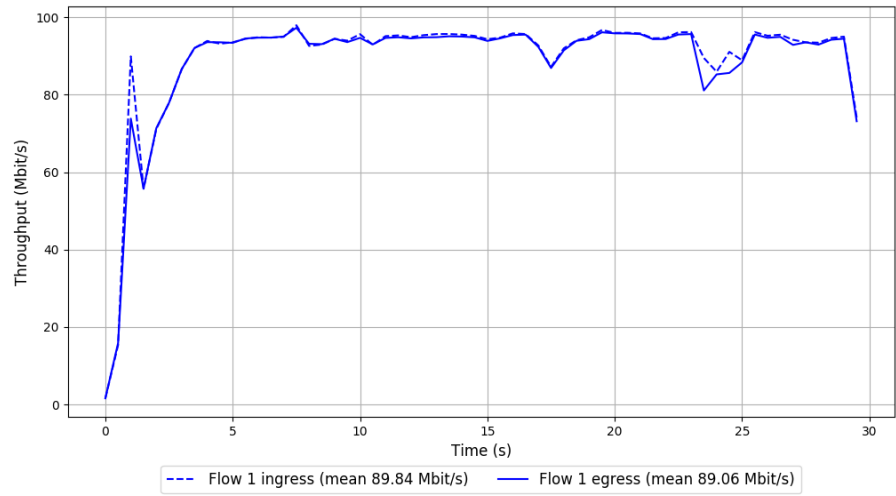


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-01 18:37:08
End at: 2018-02-01 18:37:38
Local clock offset: -0.174 ms
Remote clock offset: -23.723 ms

Below is generated by plot.py at 2018-02-01 22:21:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: -1.367 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: -1.367 ms
Loss rate: 0.87%

Run 3: Report of Vivace-LTE — Data Link

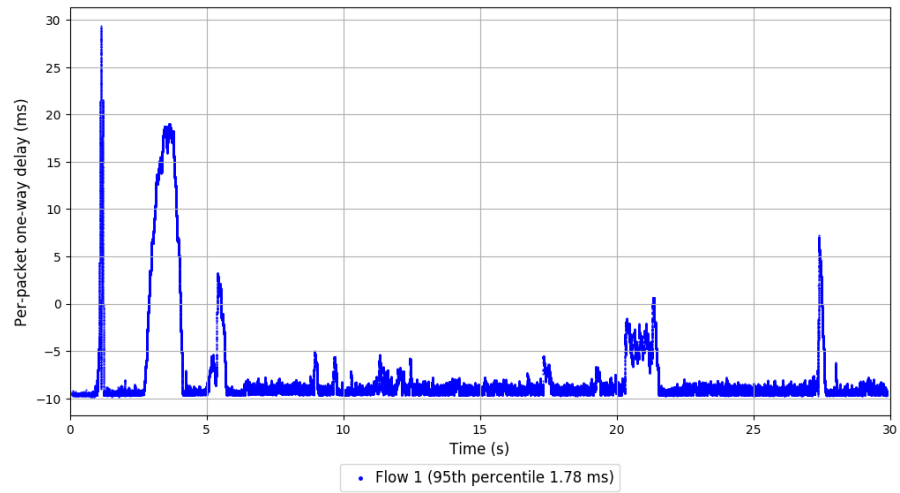
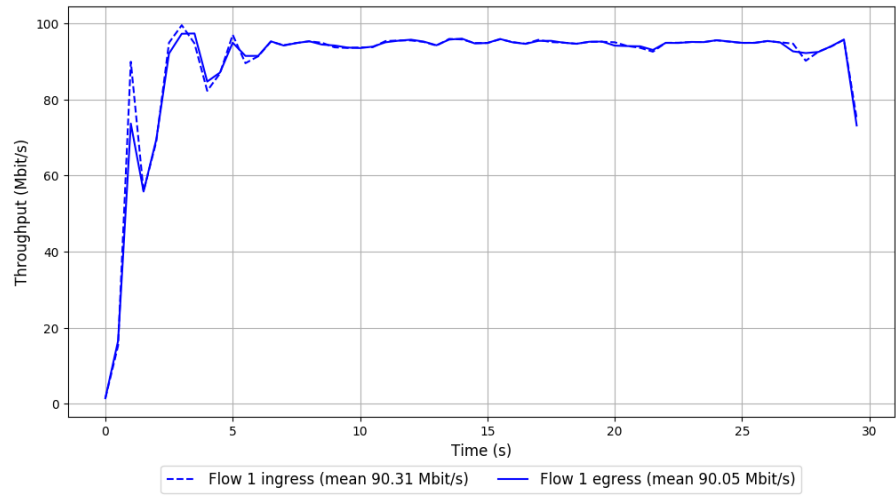


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-01 18:59:36
End at: 2018-02-01 19:00:06
Local clock offset: 3.731 ms
Remote clock offset: -21.152 ms

Below is generated by plot.py at 2018-02-01 22:21:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.05 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.05 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.30%

Run 4: Report of Vivace-LTE — Data Link

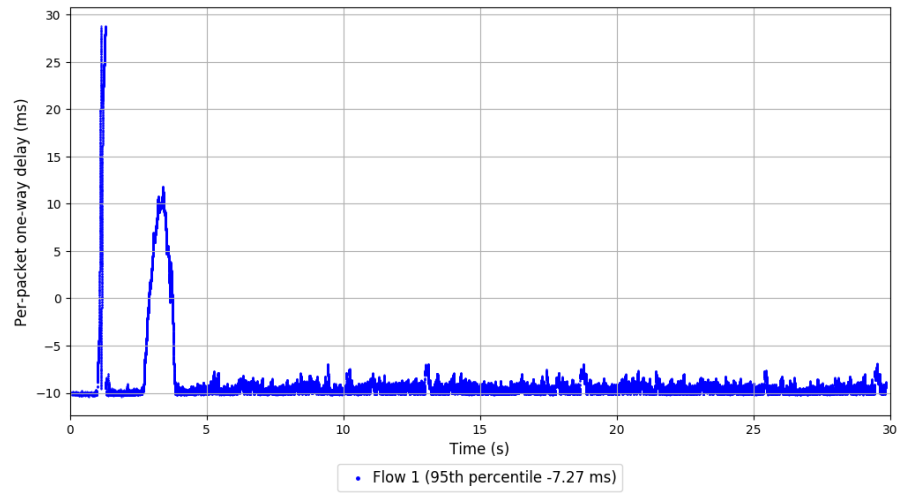
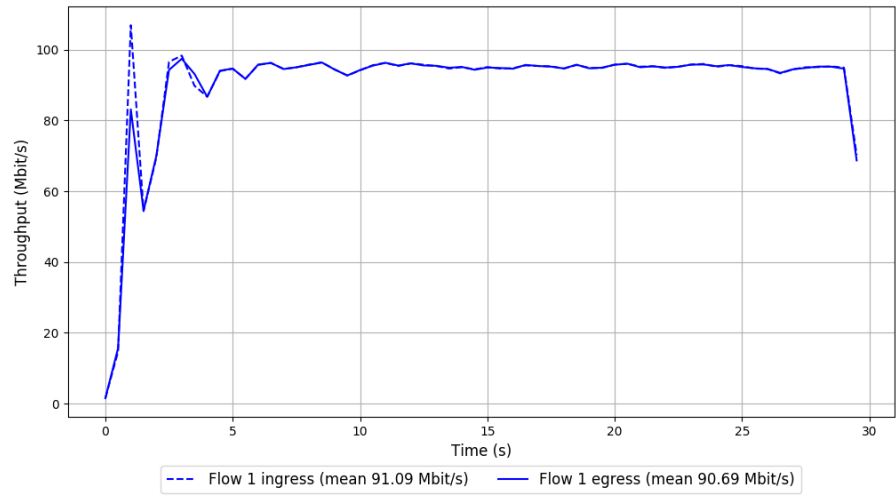


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-01 19:22:01
End at: 2018-02-01 19:22:31
Local clock offset: 2.125 ms
Remote clock offset: -19.005 ms

Below is generated by plot.py at 2018-02-01 22:21:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: -7.266 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: -7.266 ms
Loss rate: 0.44%

Run 5: Report of Vivace-LTE — Data Link

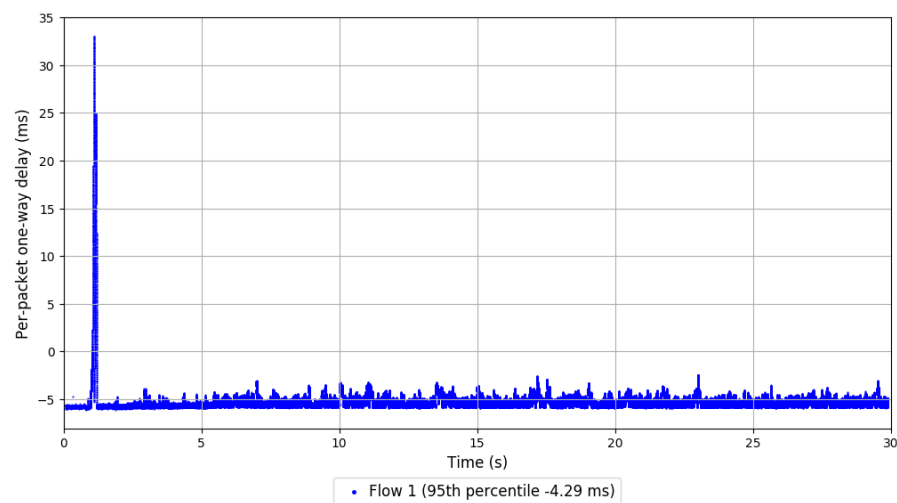
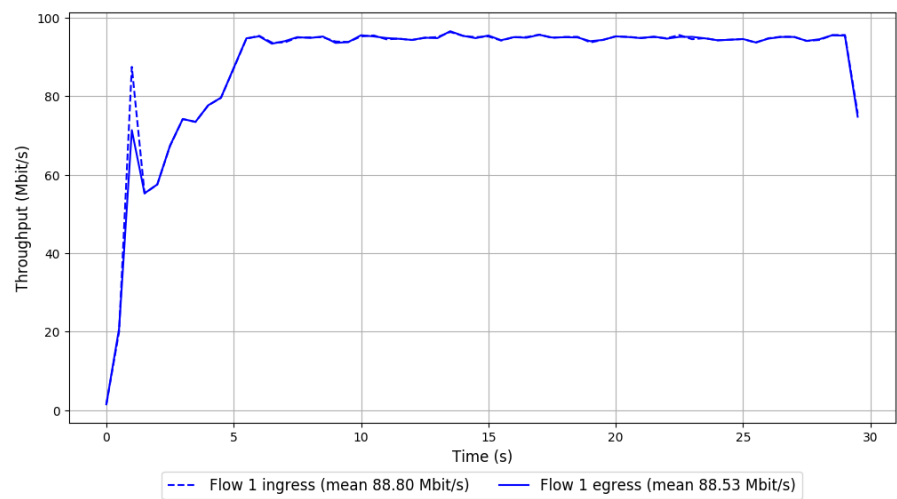


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-01 19:44:19
End at: 2018-02-01 19:44:49
Local clock offset: -1.642 ms
Remote clock offset: -17.577 ms

Below is generated by plot.py at 2018-02-01 22:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: -4.290 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: -4.290 ms
Loss rate: 0.30%

Run 6: Report of Vivace-LTE — Data Link

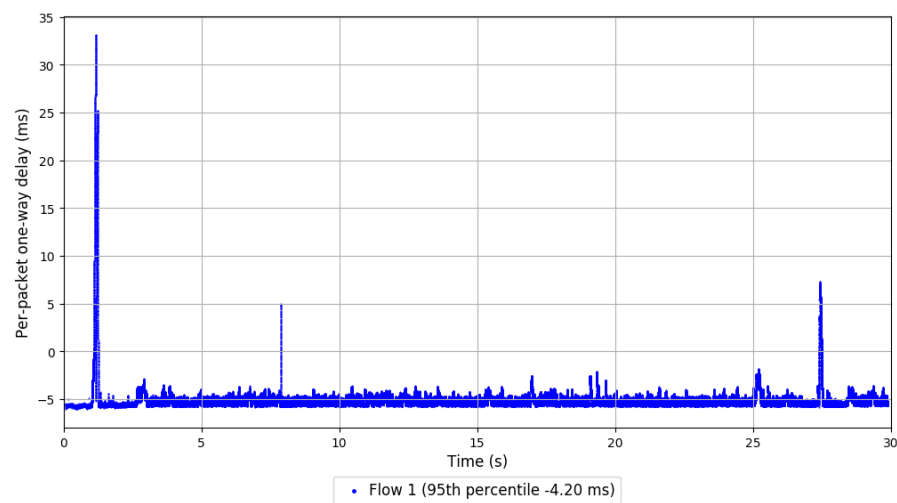
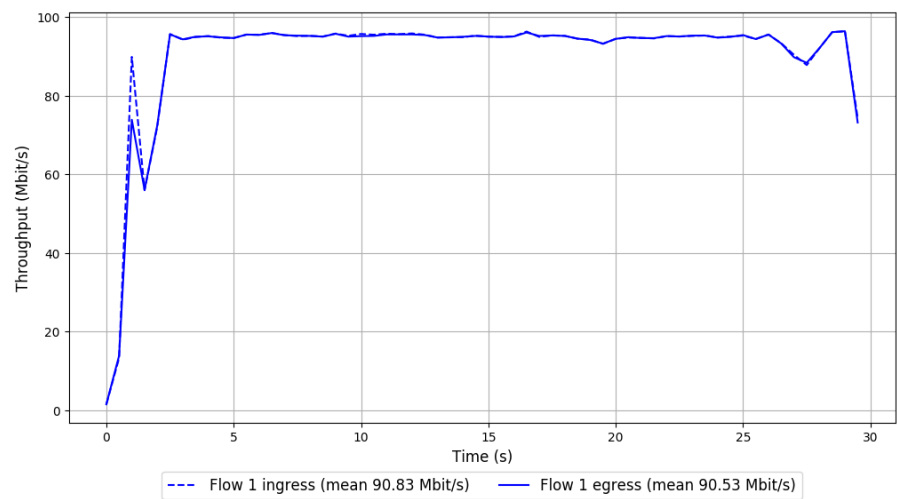


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-01 20:06:51
End at: 2018-02-01 20:07:21
Local clock offset: -2.565 ms
Remote clock offset: -18.797 ms

Below is generated by plot.py at 2018-02-01 22:21:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: -4.195 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: -4.195 ms
Loss rate: 0.33%

Run 7: Report of Vivace-LTE — Data Link

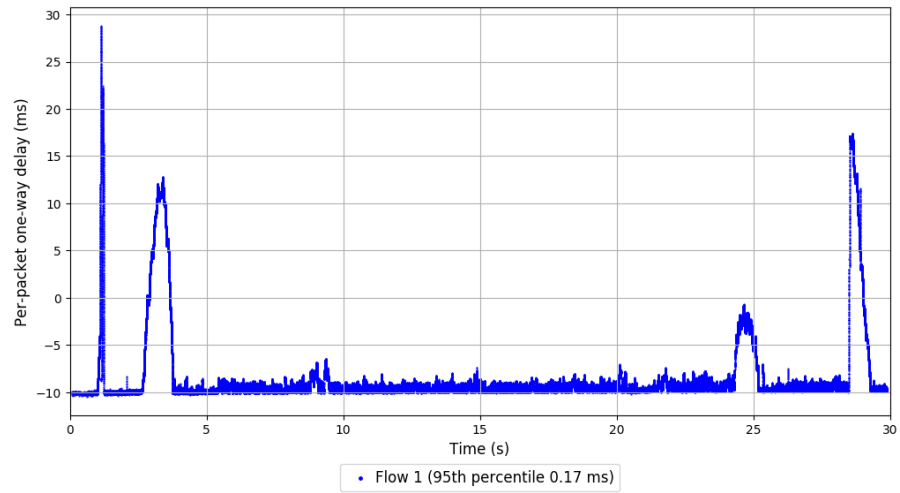
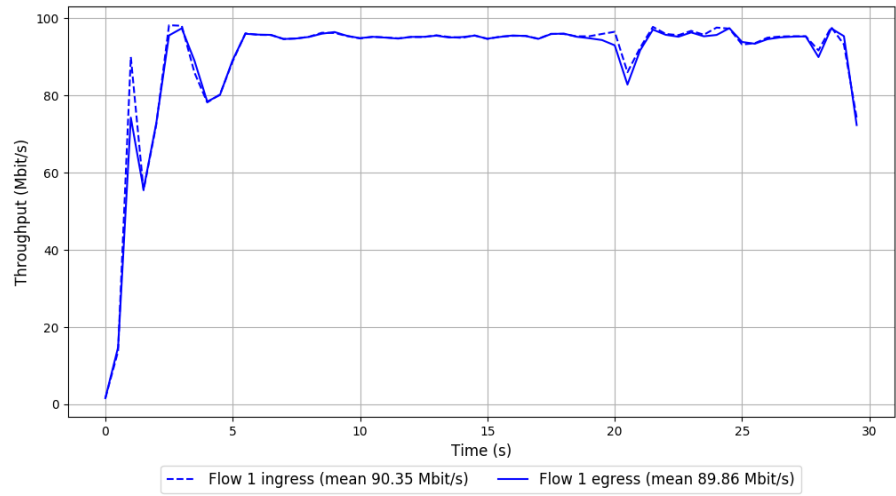


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-01 20:29:43
End at: 2018-02-01 20:30:13
Local clock offset: 2.496 ms
Remote clock offset: -22.759 ms

Below is generated by plot.py at 2018-02-01 22:21:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 0.166 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 0.166 ms
Loss rate: 0.54%

Run 8: Report of Vivace-LTE — Data Link

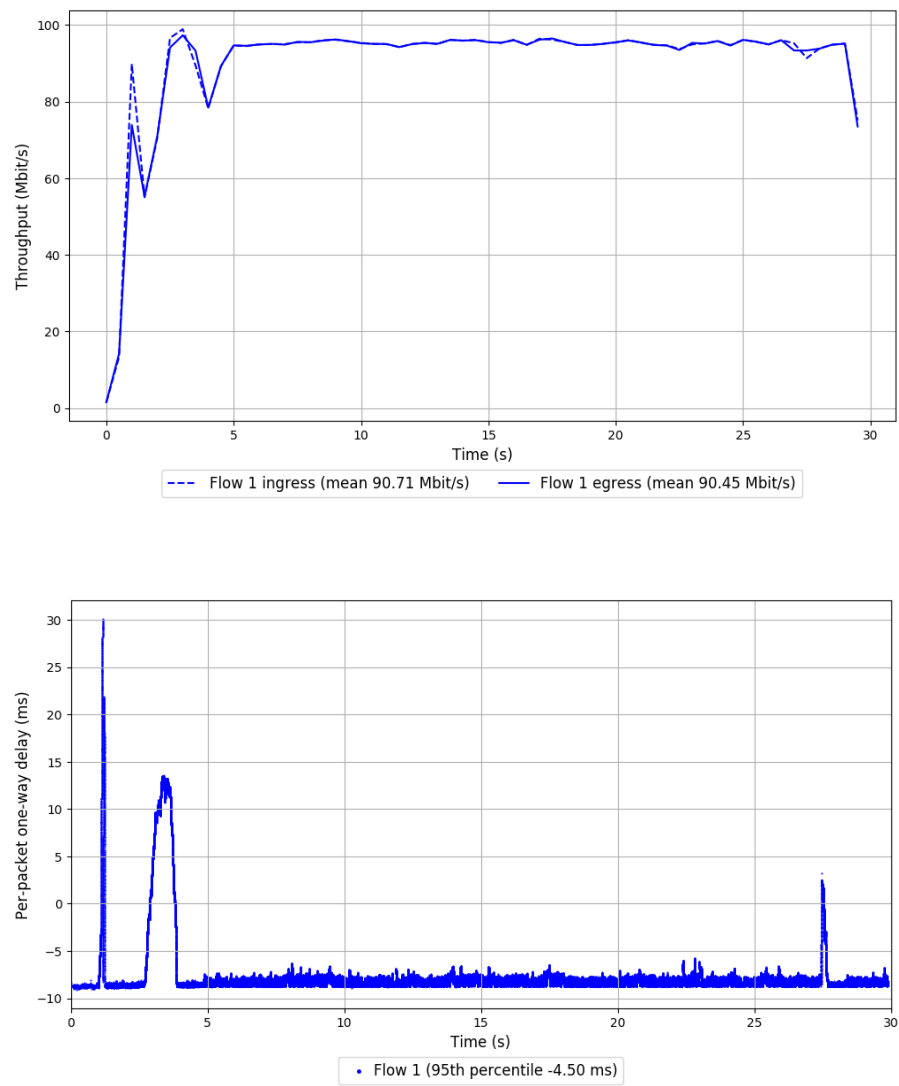


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-01 20:52:36
End at: 2018-02-01 20:53:06
Local clock offset: 5.051 ms
Remote clock offset: -23.517 ms

Below is generated by plot.py at 2018-02-01 22:21:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: -4.502 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: -4.502 ms
Loss rate: 0.29%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-01 21:15:26
End at: 2018-02-01 21:15:56
Local clock offset: 4.092 ms
Remote clock offset: -19.252 ms

Below is generated by plot.py at 2018-02-01 22:21:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 11.013 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 11.013 ms
Loss rate: 0.30%

Run 10: Report of Vivace-LTE — Data Link

