

Pantheon Report

Generated at 2018-02-02 17:01:49 (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).

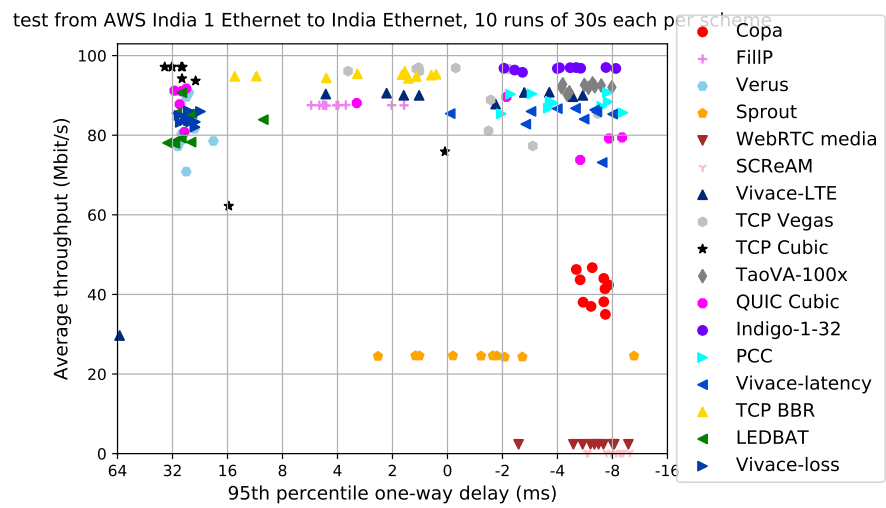
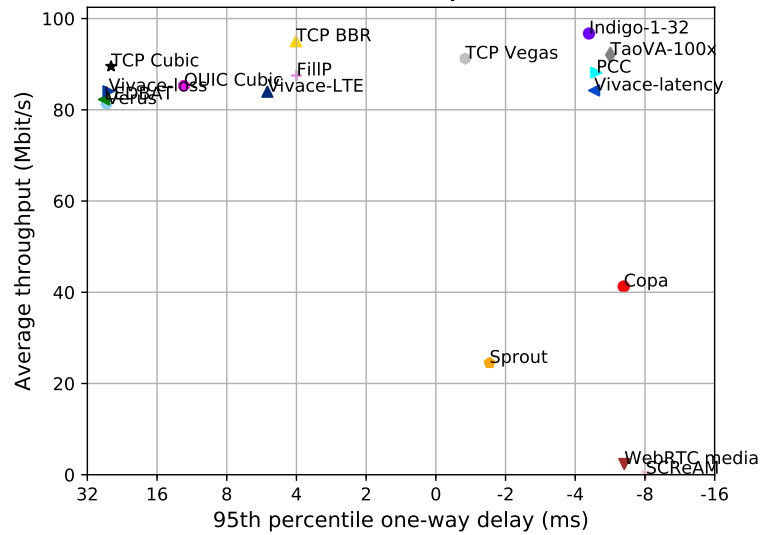
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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)



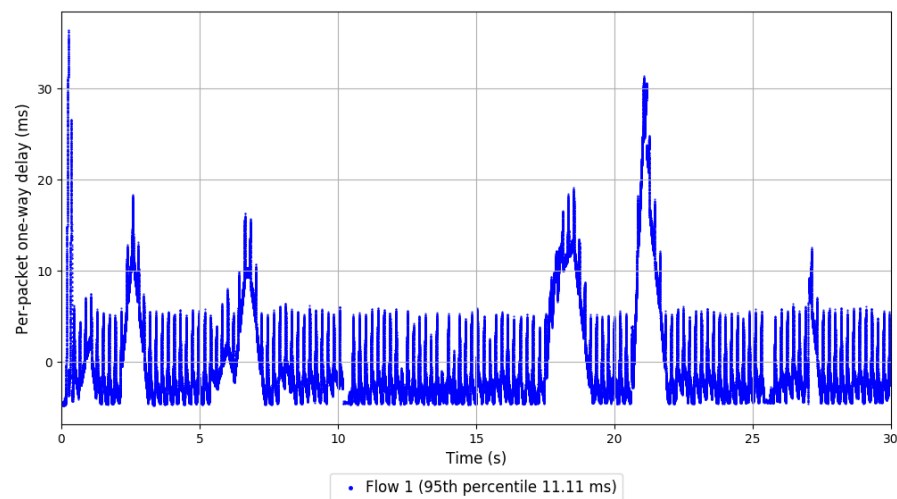
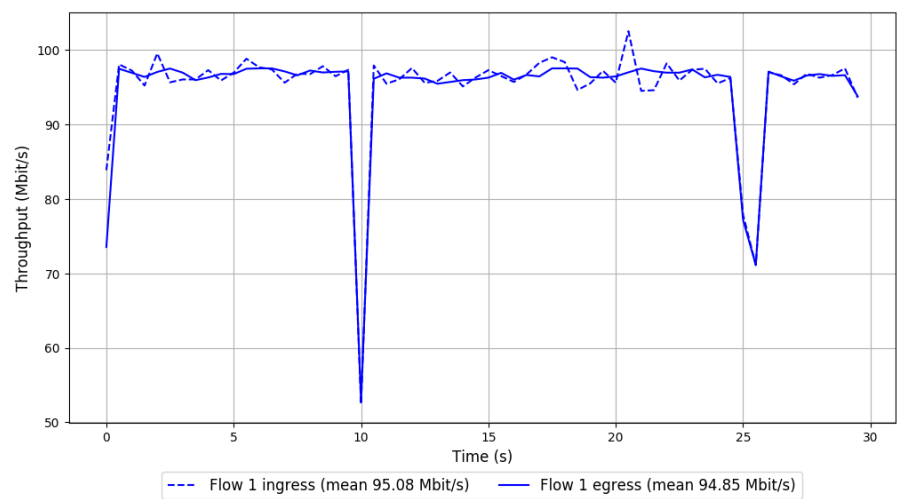
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.02	4.02	0.20
TCP Cubic	10	89.52	25.28	0.25
LEDBAT	10	82.26	27.11	0.04
PCC	10	88.15	-4.93	0.36
QUIC Cubic	10	85.27	12.25	0.13
SCReAM	10	0.21	-8.06	0.00
WebRTC media	10	2.34	-6.51	0.00
Sprout	10	24.51	-1.54	0.00
TaoVA-100x	10	92.02	-5.67	0.05
TCP Vegas	10	91.20	-0.84	0.03
Verus	10	81.27	26.44	13.76
Copa	10	41.26	-6.48	0.00
FillP	10	87.53	4.00	2.58
Indigo-1-32	10	96.73	-4.59	0.06
Vivace-latency	10	84.23	-4.82	0.07
Vivace-loss	10	84.06	25.93	9.67
Vivace-LTE	10	83.97	5.34	0.37

Run 1: Statistics of TCP BBR

Start at: 2018-02-02 12:40:15
End at: 2018-02-02 12:40:45
Local clock offset: -2.631 ms
Remote clock offset: -21.39 ms

Below is generated by plot.py at 2018-02-02 16:36:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 11.113 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 11.113 ms
Loss rate: 0.23%

Run 1: Report of TCP BBR — Data Link

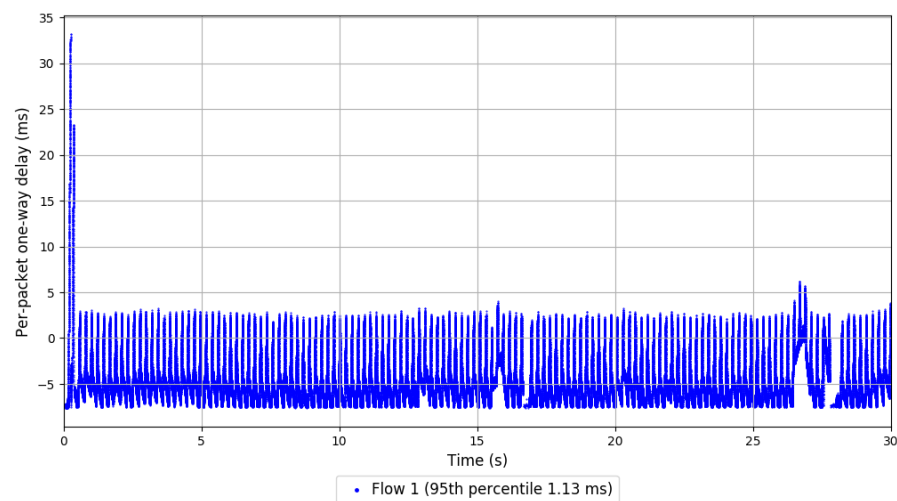
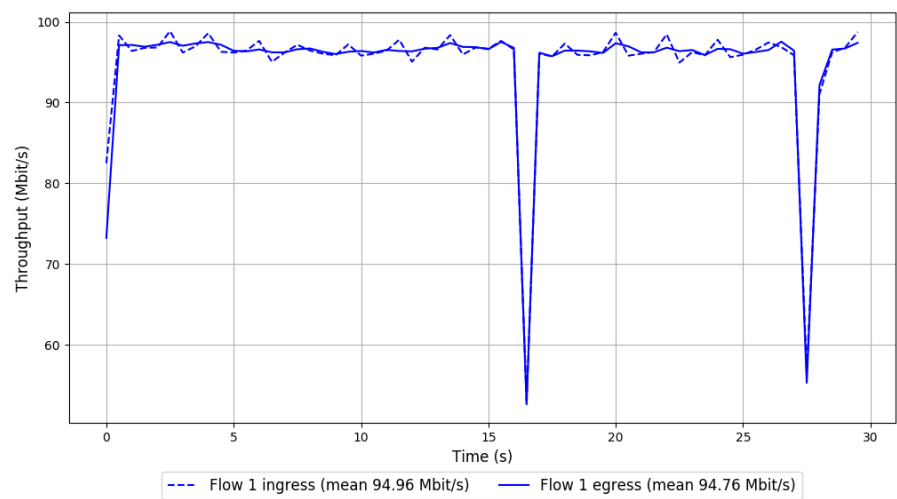


Run 2: Statistics of TCP BBR

Start at: 2018-02-02 13:02:06
End at: 2018-02-02 13:02:36
Local clock offset: 3.459 ms
Remote clock offset: -21.619 ms

Below is generated by plot.py at 2018-02-02 16:36:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.19%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-02 13:24:05

End at: 2018-02-02 13:24:35

Local clock offset: 2.15 ms

Remote clock offset: -23.521 ms

Below is generated by plot.py at 2018-02-02 16:36:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 14.605 ms

Loss rate: 0.19%

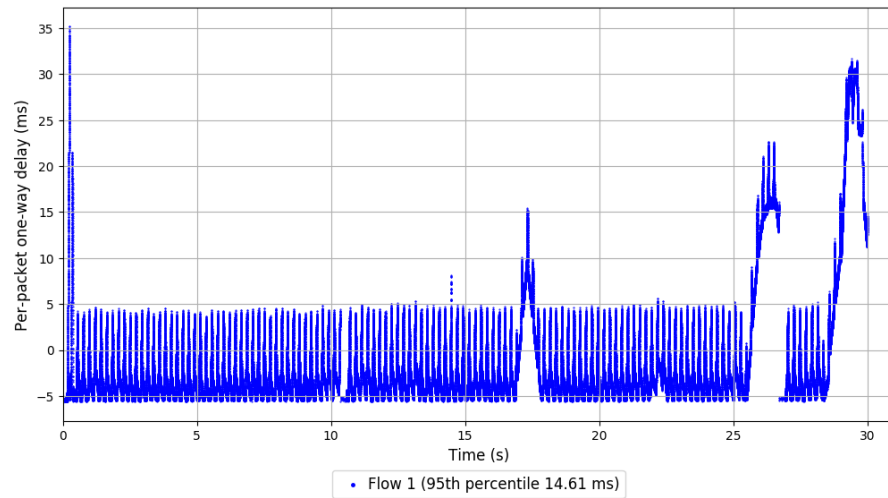
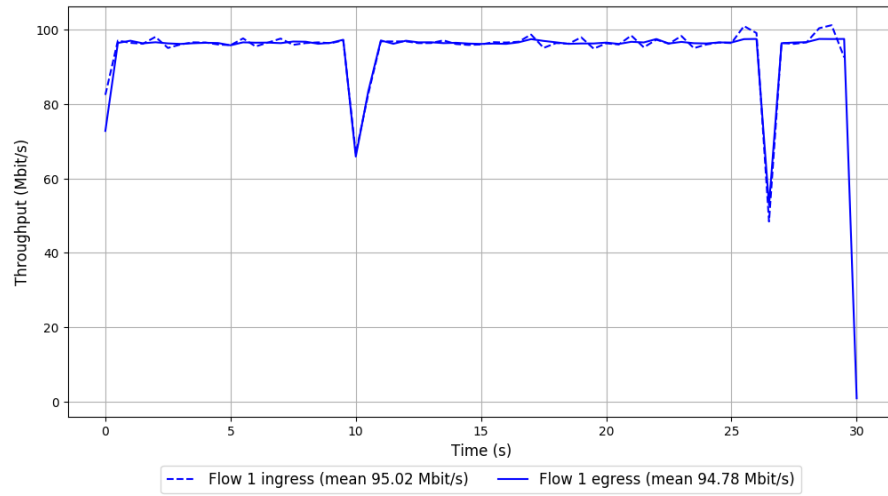
-- Flow 1:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 14.605 ms

Loss rate: 0.19%

Run 3: Report of TCP BBR — Data Link

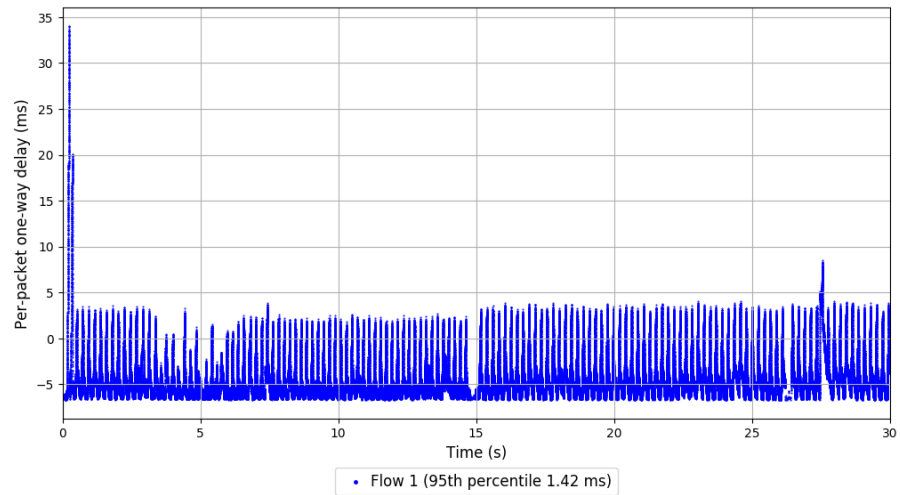
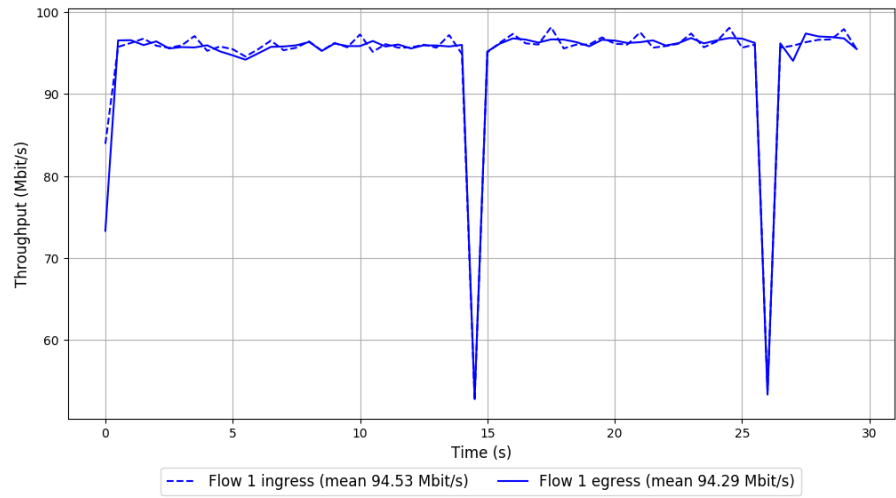


Run 4: Statistics of TCP BBR

Start at: 2018-02-02 13:46:06
End at: 2018-02-02 13:46:36
Local clock offset: 4.07 ms
Remote clock offset: -19.934 ms

Below is generated by plot.py at 2018-02-02 16:36:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 1.419 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 1.419 ms
Loss rate: 0.25%

Run 4: Report of TCP BBR — Data Link

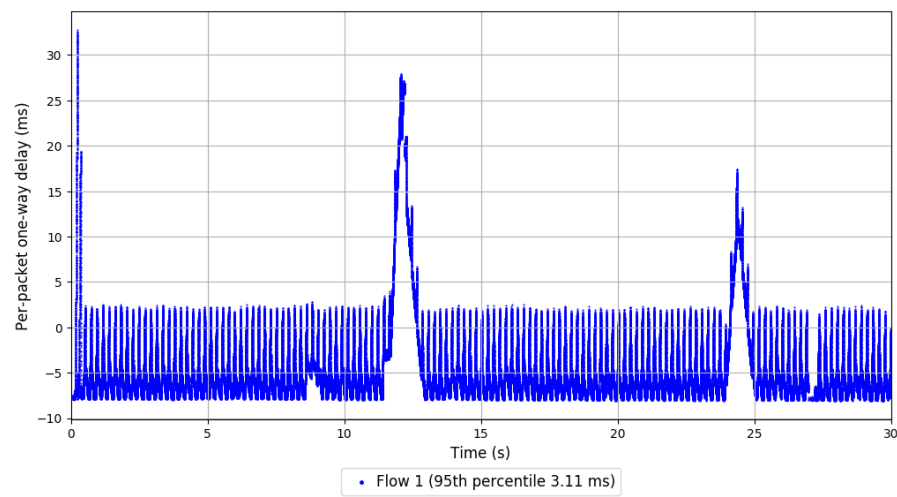
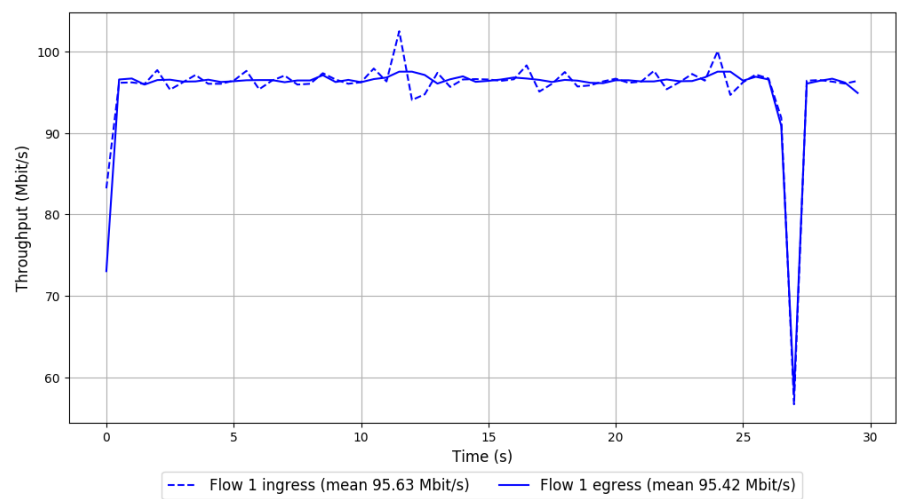


Run 5: Statistics of TCP BBR

Start at: 2018-02-02 14:07:47
End at: 2018-02-02 14:08:17
Local clock offset: 1.578 ms
Remote clock offset: -19.916 ms

Below is generated by plot.py at 2018-02-02 16:36:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 3.113 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 3.113 ms
Loss rate: 0.19%

Run 5: Report of TCP BBR — Data Link

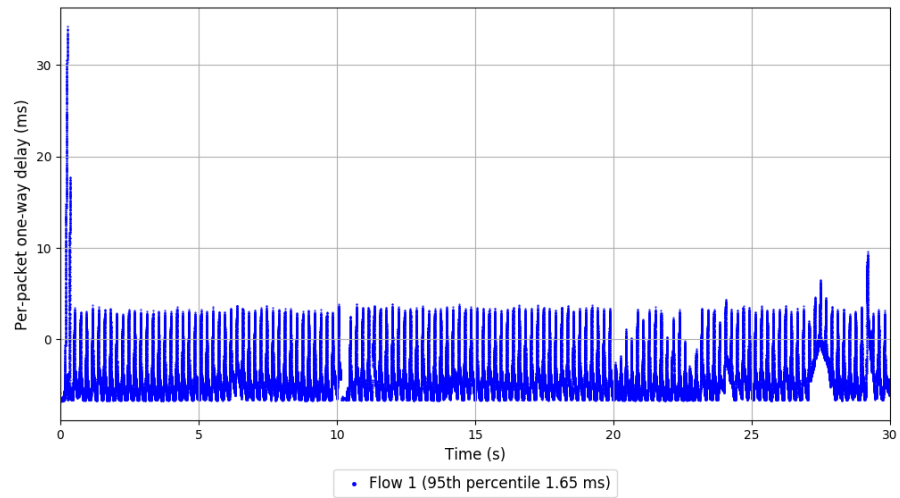
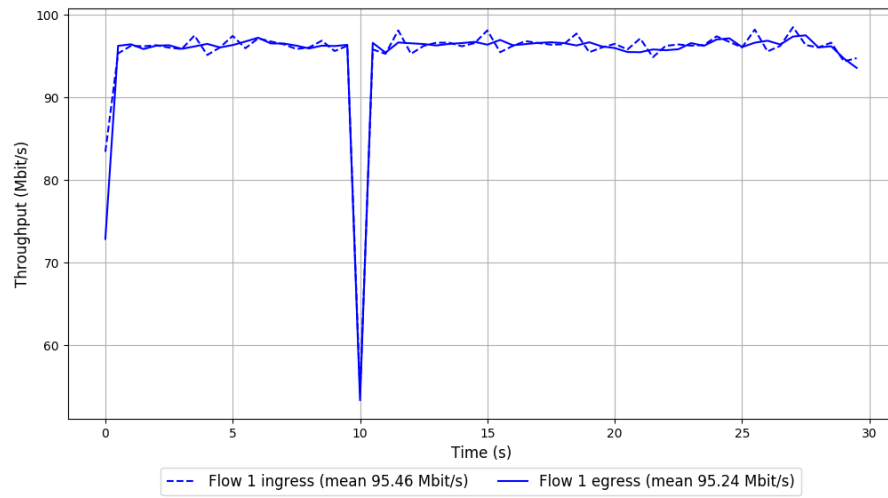


Run 6: Statistics of TCP BBR

Start at: 2018-02-02 14:29:26
End at: 2018-02-02 14:29:56
Local clock offset: 0.511 ms
Remote clock offset: -16.764 ms

Below is generated by plot.py at 2018-02-02 16:36:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 1.650 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 1.650 ms
Loss rate: 0.23%

Run 6: Report of TCP BBR — Data Link

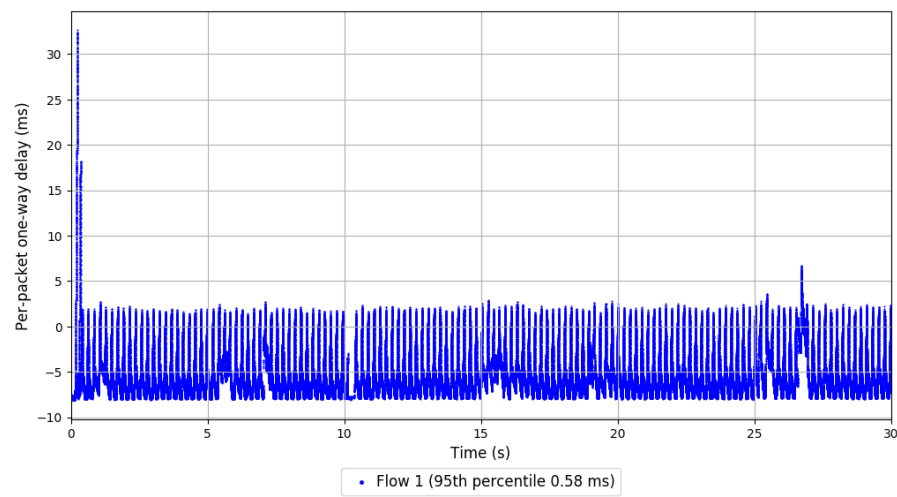
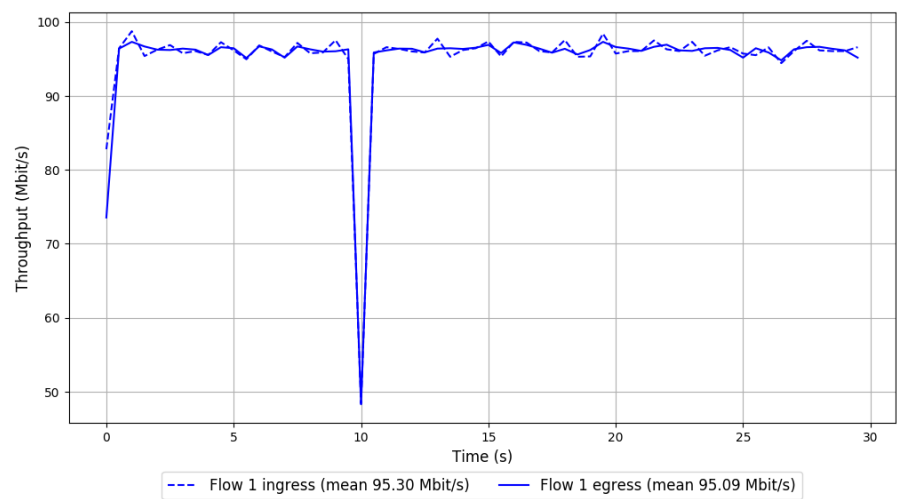


Run 7: Statistics of TCP BBR

Start at: 2018-02-02 14:51:13
End at: 2018-02-02 14:51:43
Local clock offset: 3.792 ms
Remote clock offset: -17.755 ms

Below is generated by plot.py at 2018-02-02 16:36:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 0.584 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 0.584 ms
Loss rate: 0.19%

Run 7: Report of TCP BBR — Data Link

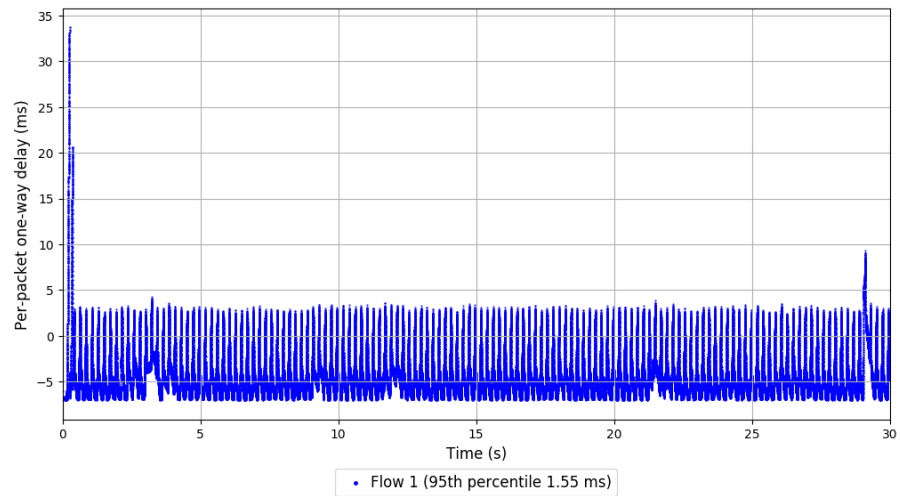
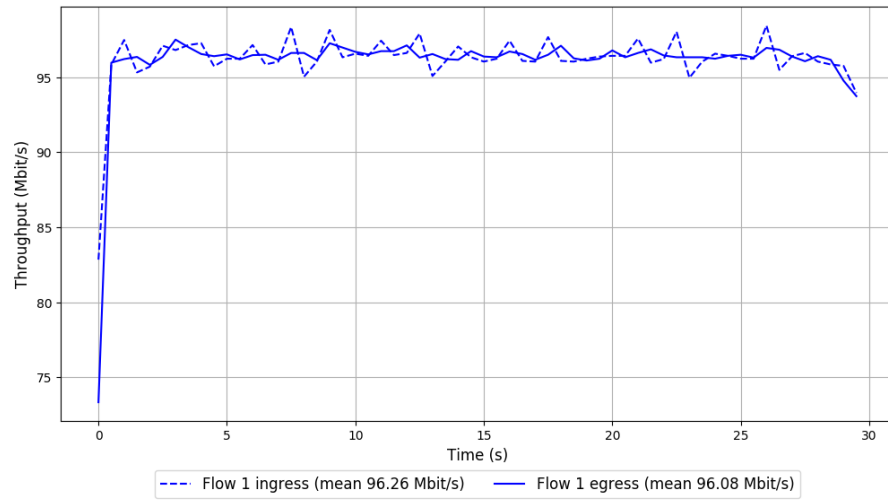


Run 8: Statistics of TCP BBR

Start at: 2018-02-02 15:12:57
End at: 2018-02-02 15:13:27
Local clock offset: 1.75 ms
Remote clock offset: -19.966 ms

Below is generated by plot.py at 2018-02-02 16:36:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 1.553 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 1.553 ms
Loss rate: 0.18%

Run 8: Report of TCP BBR — Data Link

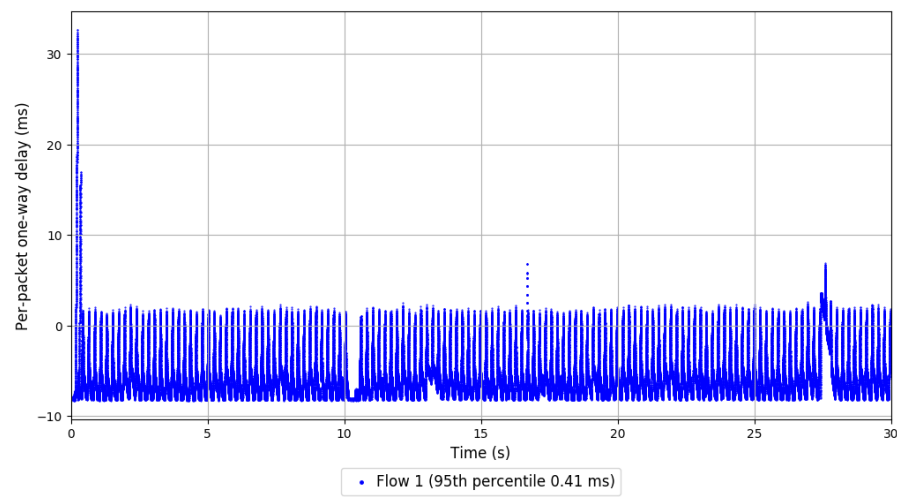
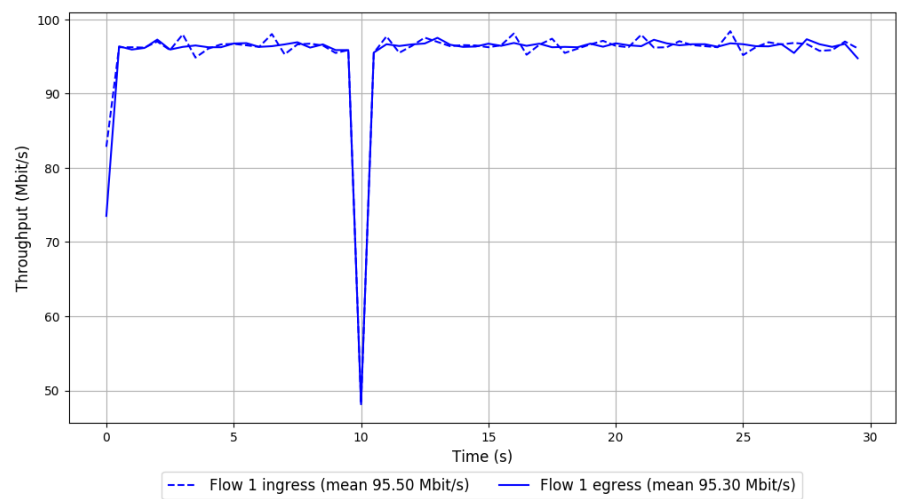


Run 9: Statistics of TCP BBR

Start at: 2018-02-02 15:34:48
End at: 2018-02-02 15:35:18
Local clock offset: 3.592 ms
Remote clock offset: -22.414 ms

Below is generated by plot.py at 2018-02-02 16:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 0.413 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 0.413 ms
Loss rate: 0.19%

Run 9: Report of TCP BBR — Data Link

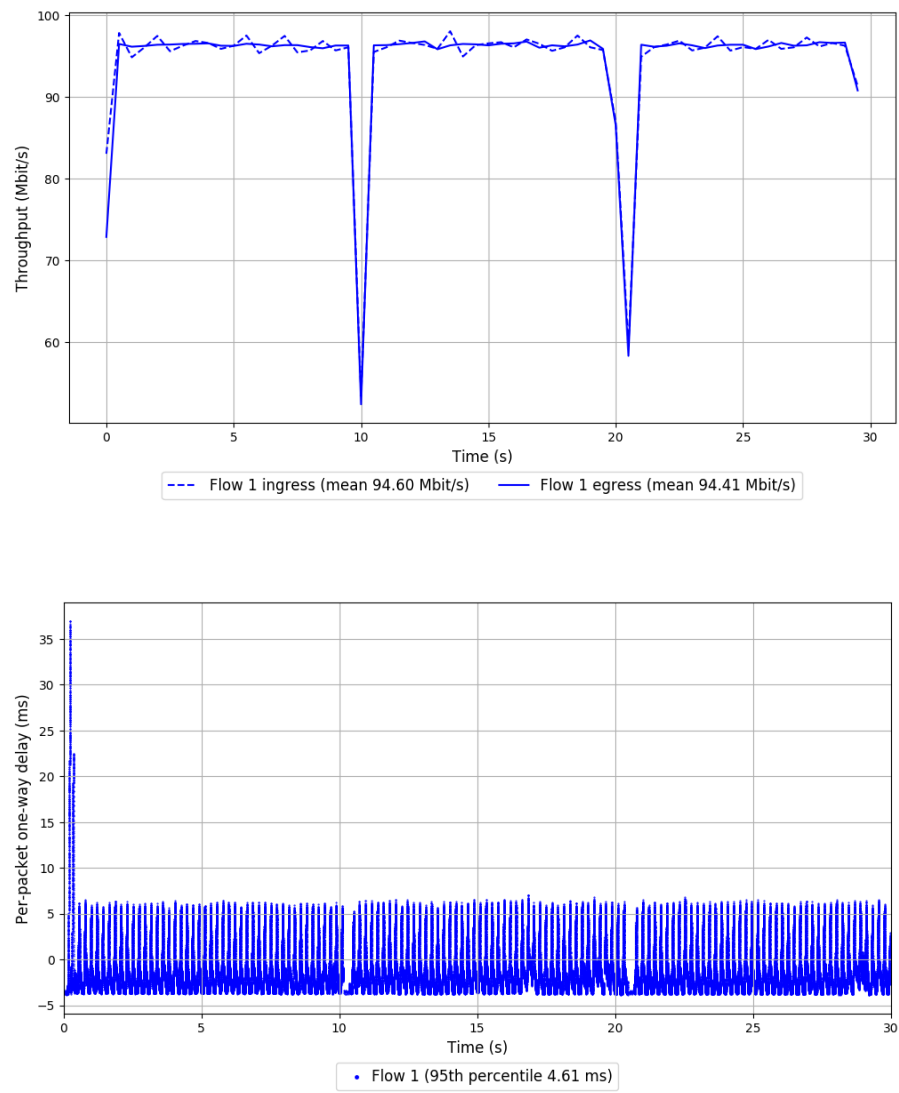


Run 10: Statistics of TCP BBR

Start at: 2018-02-02 15:56:33
End at: 2018-02-02 15:57:03
Local clock offset: 1.439 ms
Remote clock offset: -20.198 ms

Below is generated by plot.py at 2018-02-02 16:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 4.607 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 4.607 ms
Loss rate: 0.19%

Run 10: Report of TCP BBR — Data Link

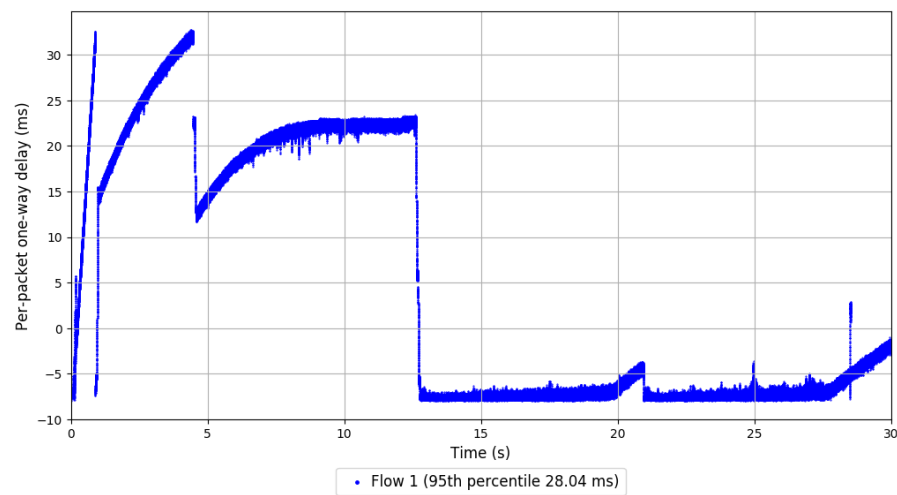
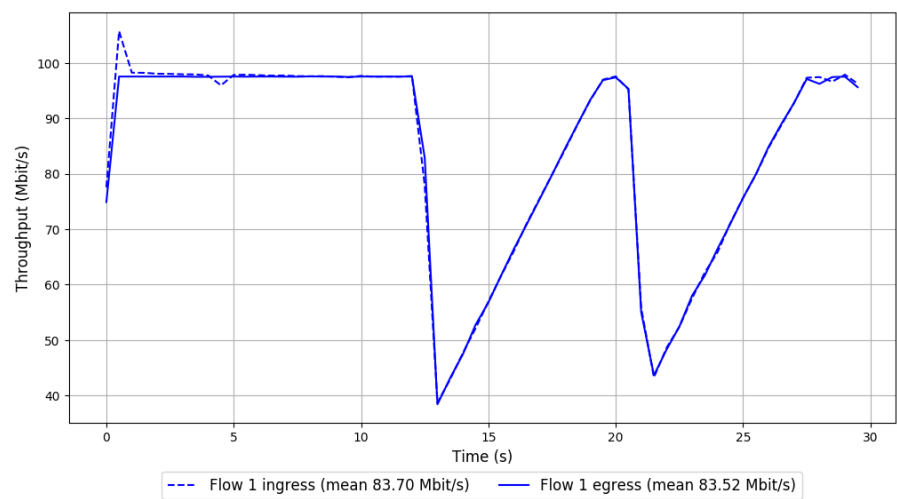


Run 1: Statistics of TCP Cubic

Start at: 2018-02-02 12:36:33
End at: 2018-02-02 12:37:03
Local clock offset: 1.755 ms
Remote clock offset: -20.189 ms

Below is generated by plot.py at 2018-02-02 16:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 28.041 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 28.041 ms
Loss rate: 0.20%

Run 1: Report of TCP Cubic — Data Link

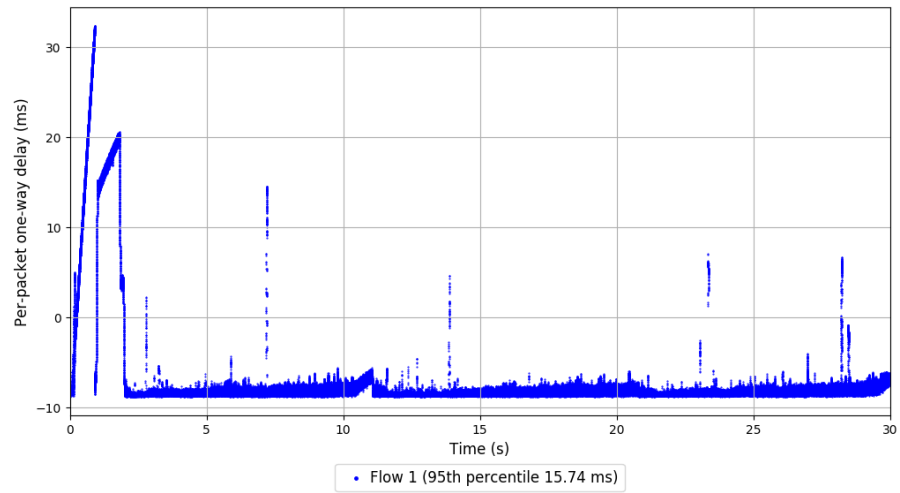
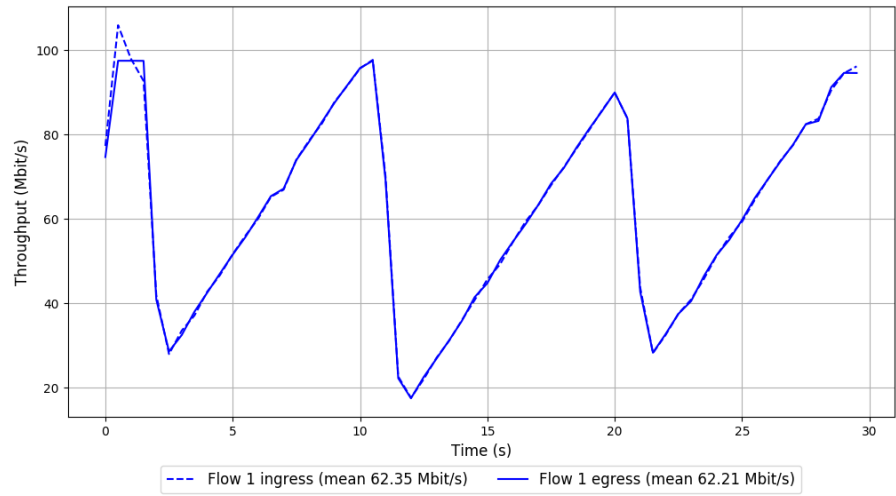


Run 2: Statistics of TCP Cubic

Start at: 2018-02-02 12:58:32
End at: 2018-02-02 12:59:02
Local clock offset: 3.935 ms
Remote clock offset: -21.971 ms

Below is generated by plot.py at 2018-02-02 16:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.21 Mbit/s
95th percentile per-packet one-way delay: 15.740 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 62.21 Mbit/s
95th percentile per-packet one-way delay: 15.740 ms
Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link

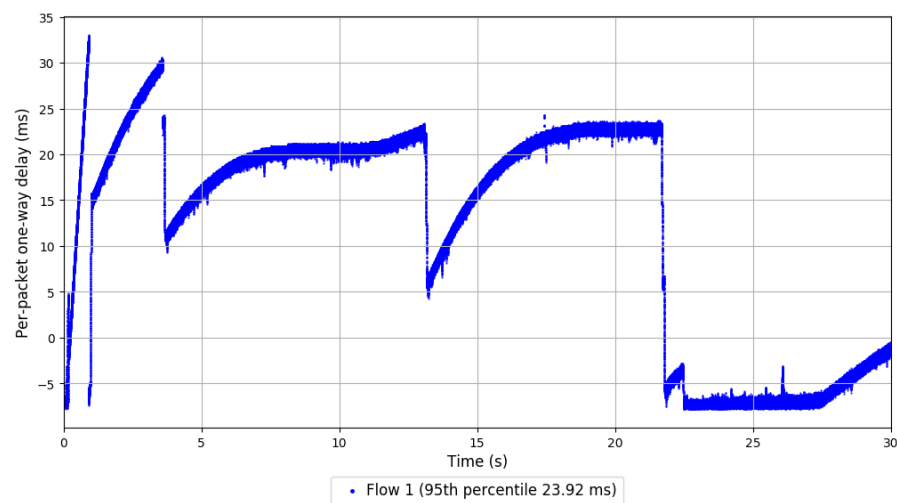
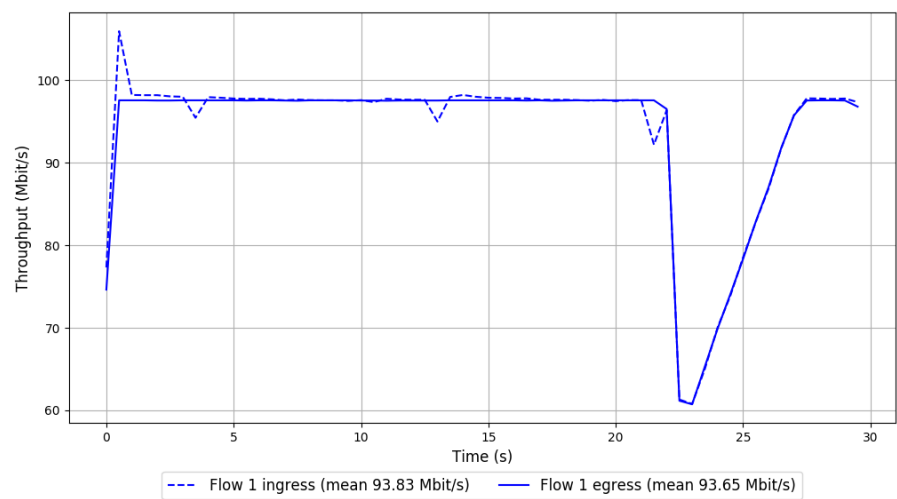


Run 3: Statistics of TCP Cubic

Start at: 2018-02-02 13:20:26
End at: 2018-02-02 13:20:56
Local clock offset: 4.427 ms
Remote clock offset: -22.884 ms

Below is generated by plot.py at 2018-02-02 16:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 23.920 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 23.920 ms
Loss rate: 0.17%

Run 3: Report of TCP Cubic — Data Link

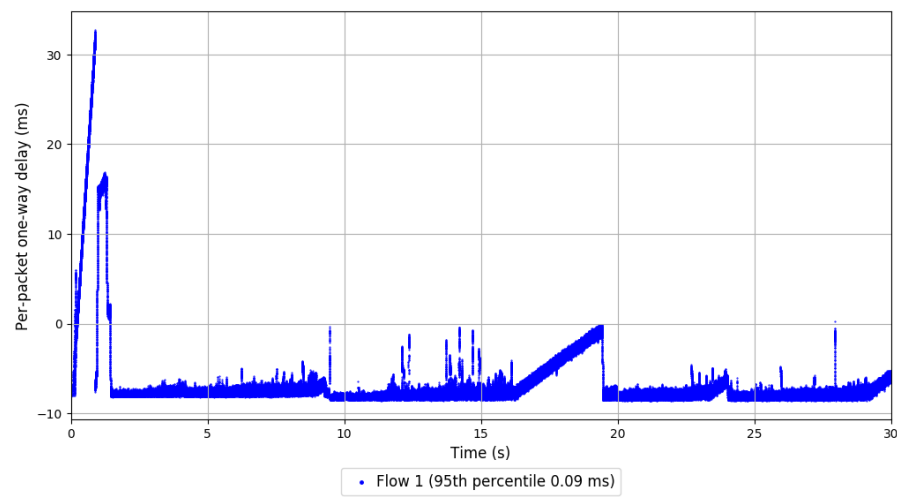
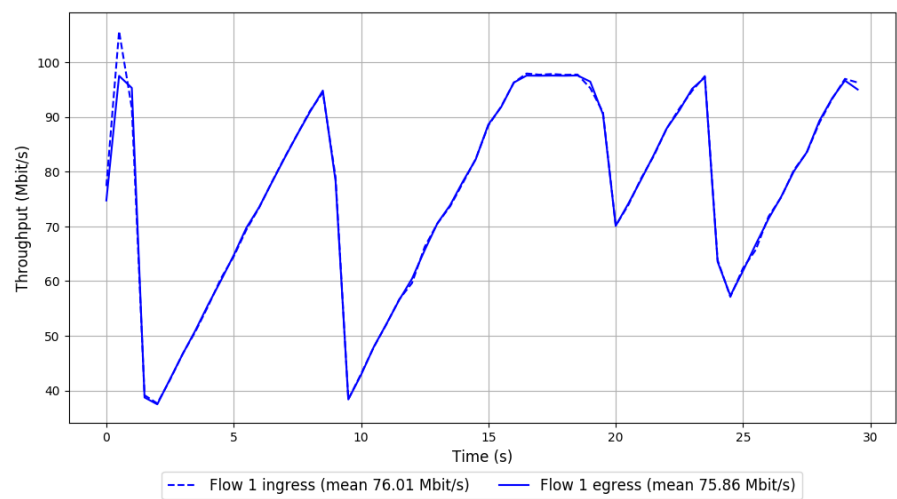


Run 4: Statistics of TCP Cubic

Start at: 2018-02-02 13:42:30
End at: 2018-02-02 13:43:00
Local clock offset: 3.859 ms
Remote clock offset: -22.523 ms

Below is generated by plot.py at 2018-02-02 16:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.86 Mbit/s
95th percentile per-packet one-way delay: 0.091 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 75.86 Mbit/s
95th percentile per-packet one-way delay: 0.091 ms
Loss rate: 0.19%

Run 4: Report of TCP Cubic — Data Link

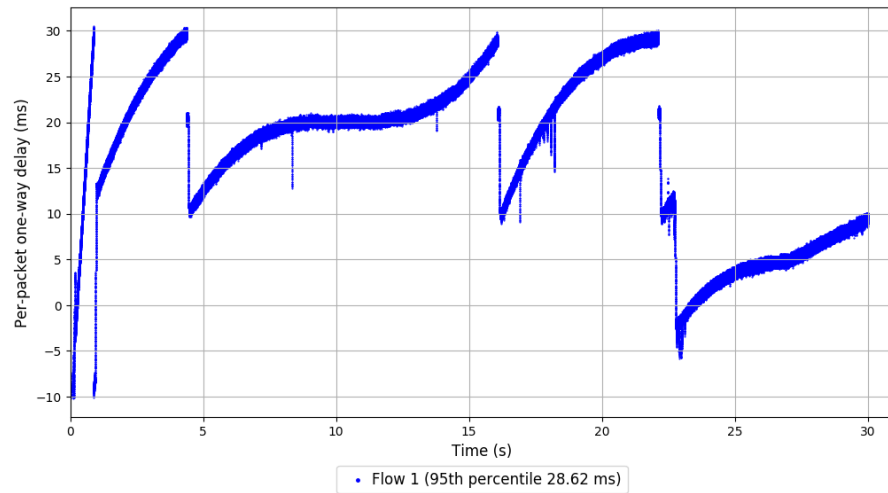
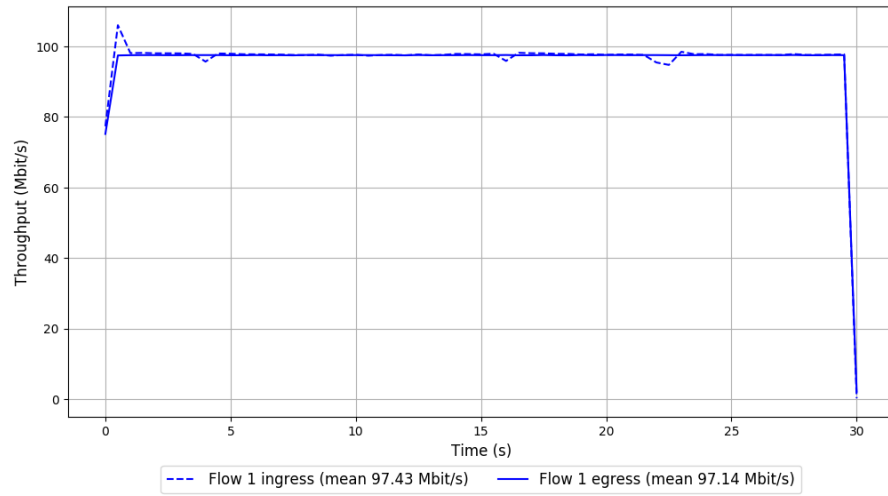


Run 5: Statistics of TCP Cubic

Start at: 2018-02-02 14:04:08
End at: 2018-02-02 14:04:38
Local clock offset: 4.549 ms
Remote clock offset: -19.528 ms

Below is generated by plot.py at 2018-02-02 16:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 28.619 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 28.619 ms
Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link

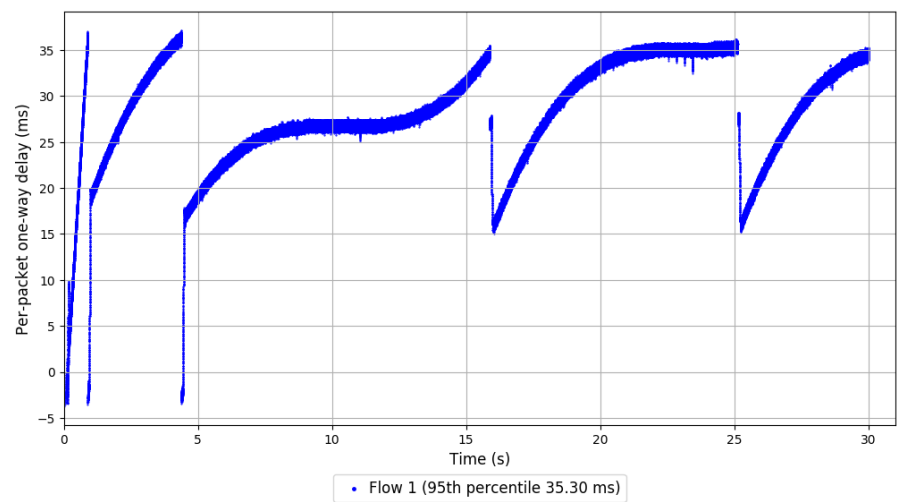
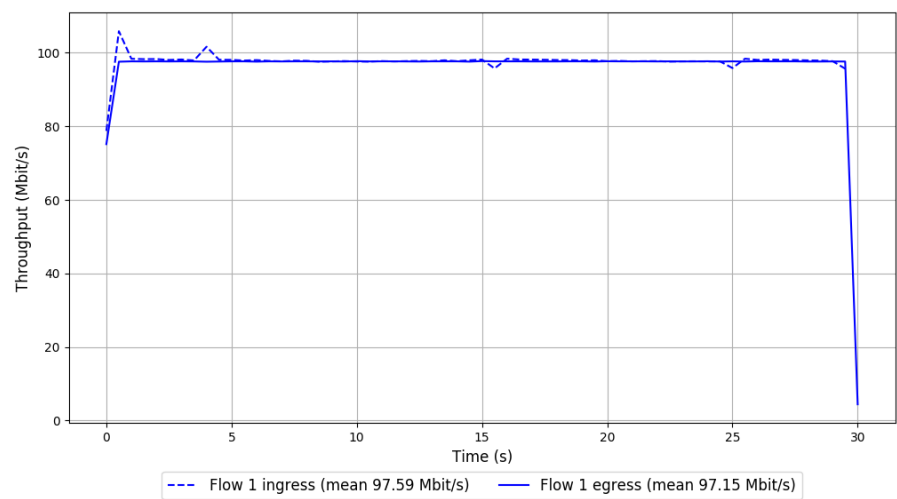


Run 6: Statistics of TCP Cubic

Start at: 2018-02-02 14:25:44
End at: 2018-02-02 14:26:14
Local clock offset: -0.623 ms
Remote clock offset: -14.692 ms

Below is generated by plot.py at 2018-02-02 16:38:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 35.303 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 35.303 ms
Loss rate: 0.33%

Run 6: Report of TCP Cubic — Data Link

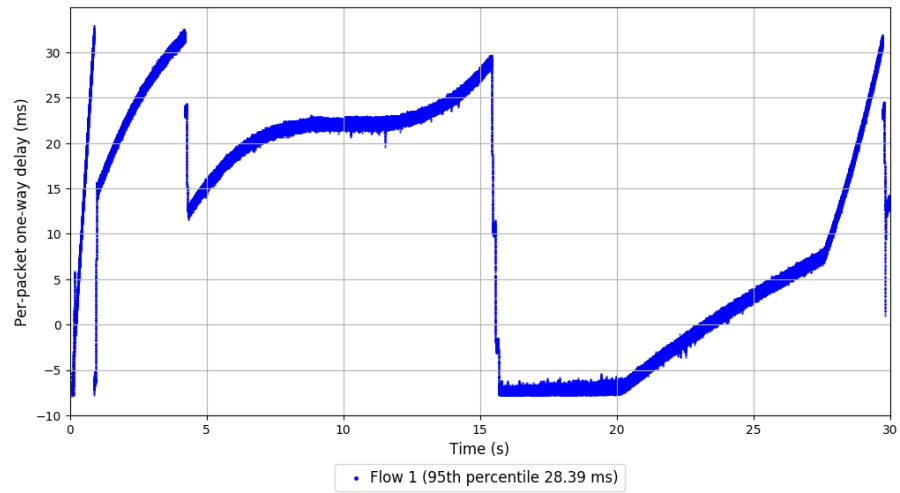
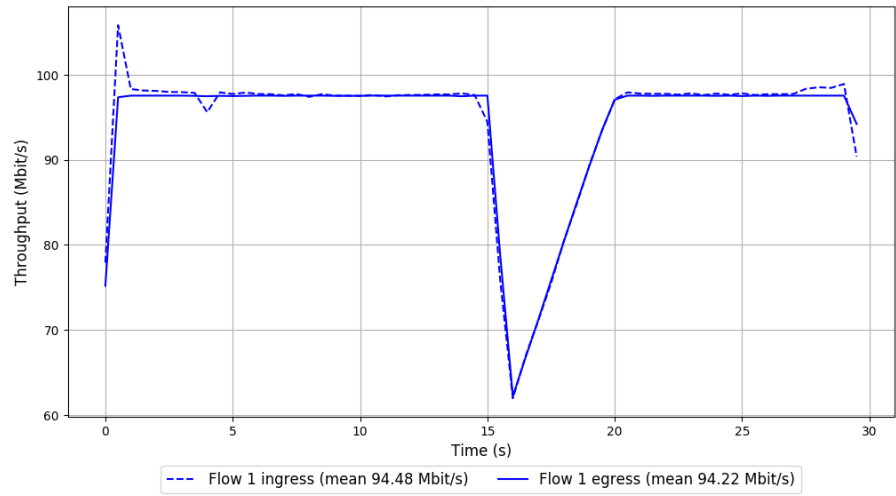


Run 7: Statistics of TCP Cubic

Start at: 2018-02-02 14:47:35
End at: 2018-02-02 14:48:05
Local clock offset: 3.912 ms
Remote clock offset: -16.507 ms

Below is generated by plot.py at 2018-02-02 16:38:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 28.391 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 28.391 ms
Loss rate: 0.21%

Run 7: Report of TCP Cubic — Data Link

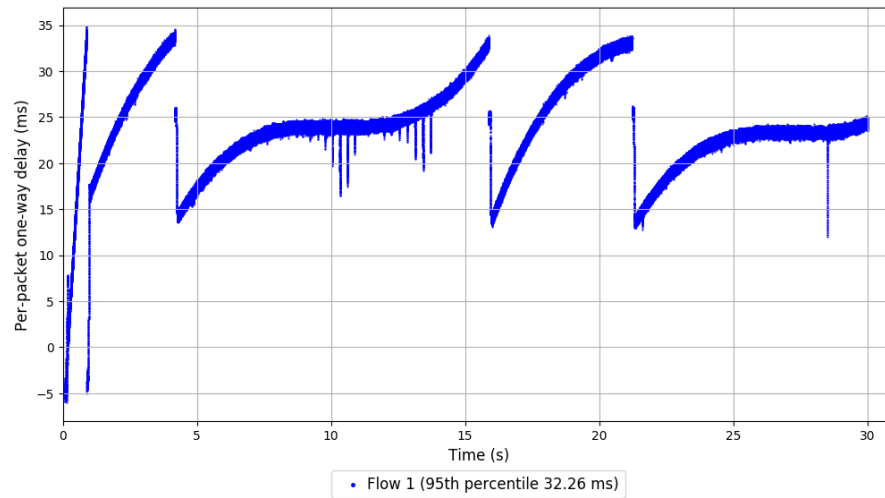
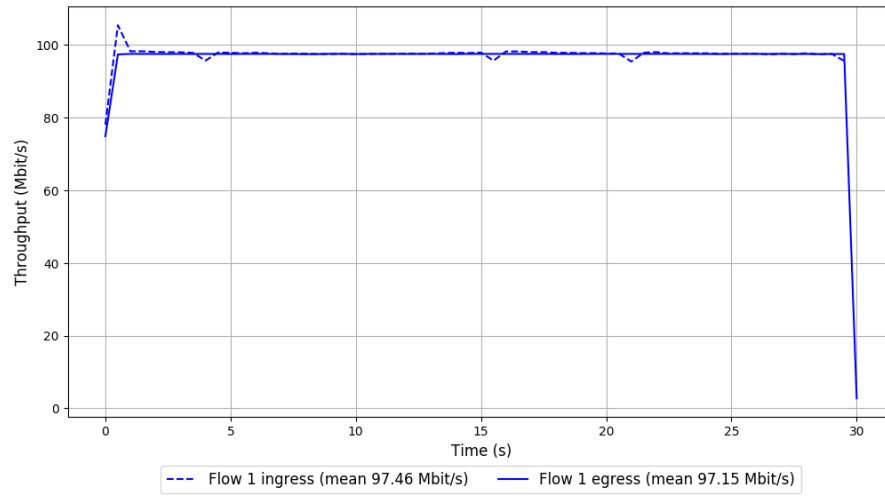


Run 8: Statistics of TCP Cubic

Start at: 2018-02-02 15:09:18
End at: 2018-02-02 15:09:48
Local clock offset: 1.111 ms
Remote clock offset: -19.518 ms

Below is generated by plot.py at 2018-02-02 16:39:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.264 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.264 ms
Loss rate: 0.22%

Run 8: Report of TCP Cubic — Data Link

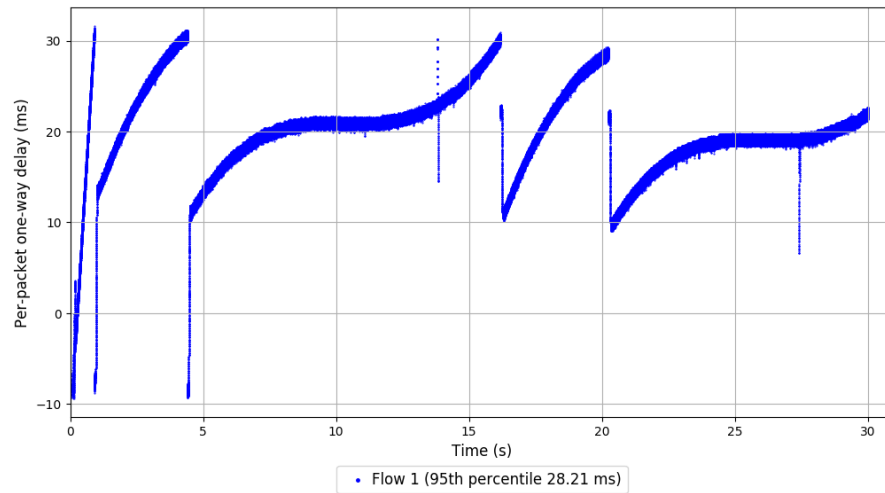
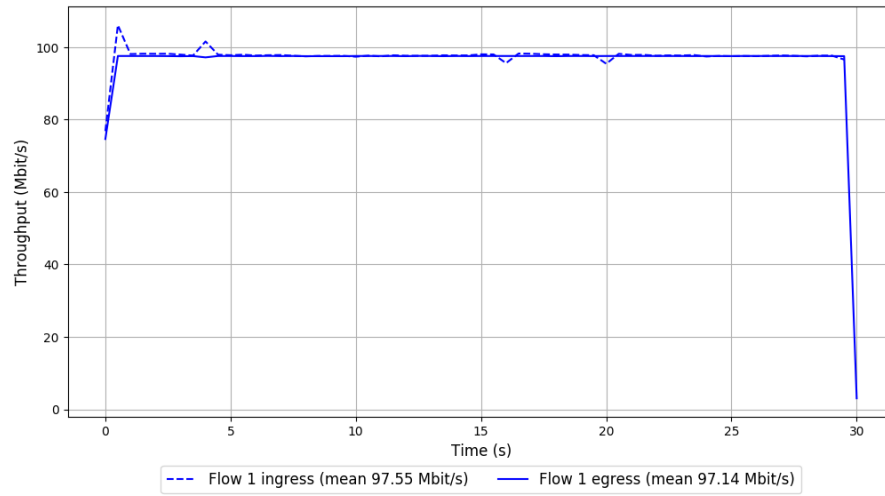


Run 9: Statistics of TCP Cubic

Start at: 2018-02-02 15:31:09
End at: 2018-02-02 15:31:39
Local clock offset: 3.933 ms
Remote clock offset: -22.714 ms

Below is generated by plot.py at 2018-02-02 16:39:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 28.213 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 28.213 ms
Loss rate: 0.32%

Run 9: Report of TCP Cubic — Data Link

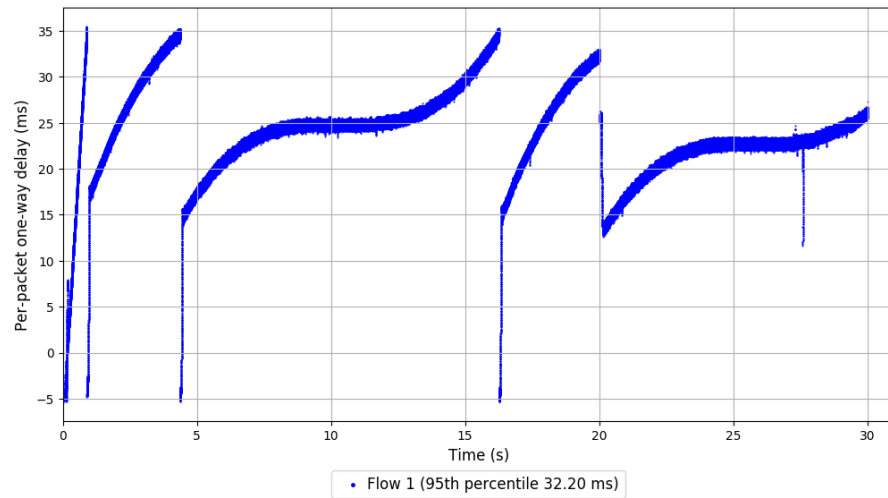
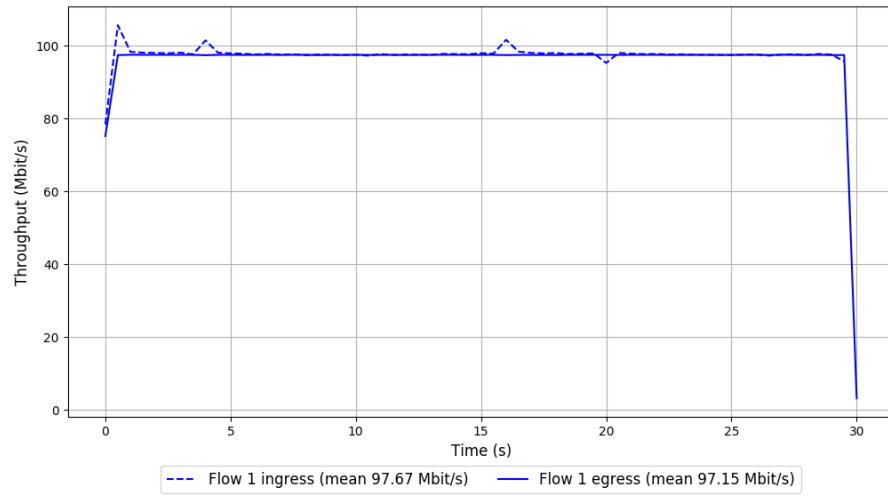


Run 10: Statistics of TCP Cubic

Start at: 2018-02-02 15:52:55
End at: 2018-02-02 15:53:25
Local clock offset: 3.201 ms
Remote clock offset: -20.706 ms

Below is generated by plot.py at 2018-02-02 16:39:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.204 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.204 ms
Loss rate: 0.42%

Run 10: Report of TCP Cubic — Data Link

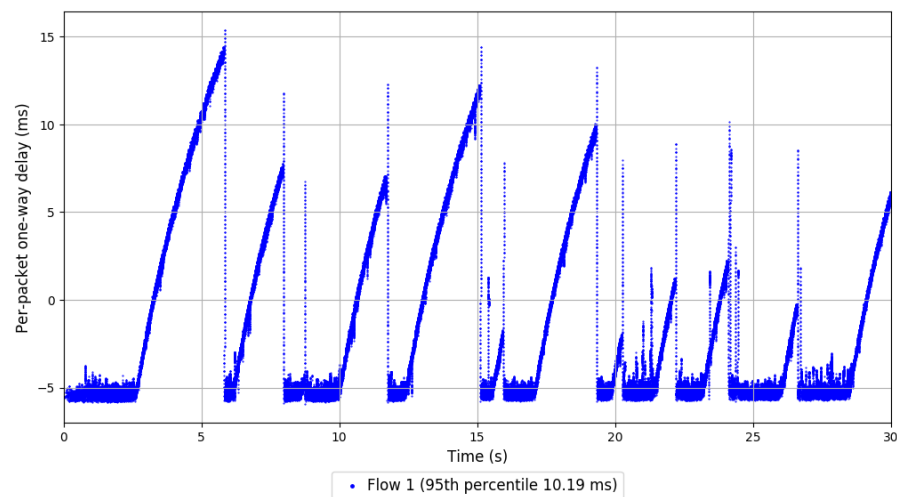
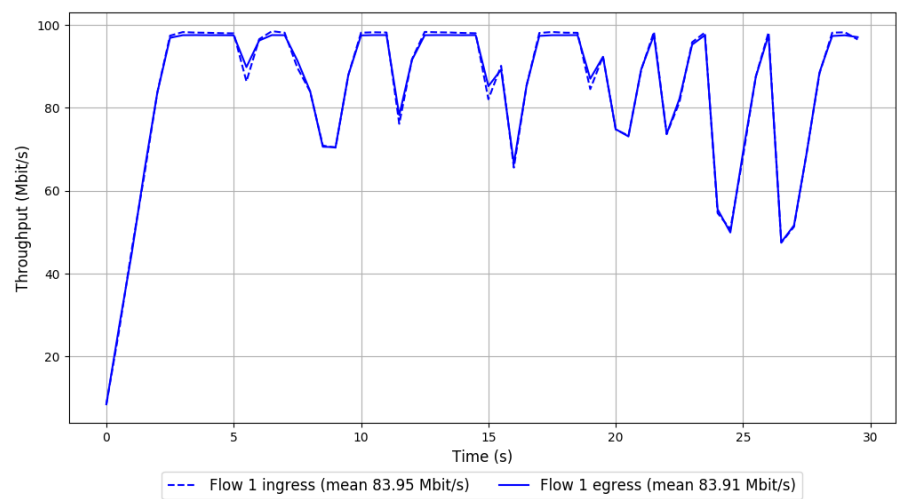


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-02 12:43:56
End at: 2018-02-02 12:44:26
Local clock offset: 0.042 ms
Remote clock offset: -20.954 ms

# Below is generated by plot.py at 2018-02-02 16:39:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.91 Mbit/s
95th percentile per-packet one-way delay: 10.189 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.91 Mbit/s
95th percentile per-packet one-way delay: 10.189 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

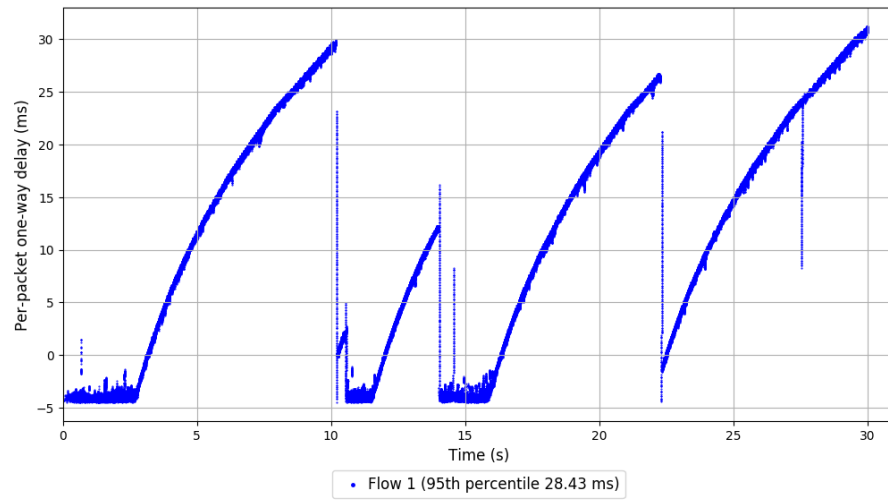
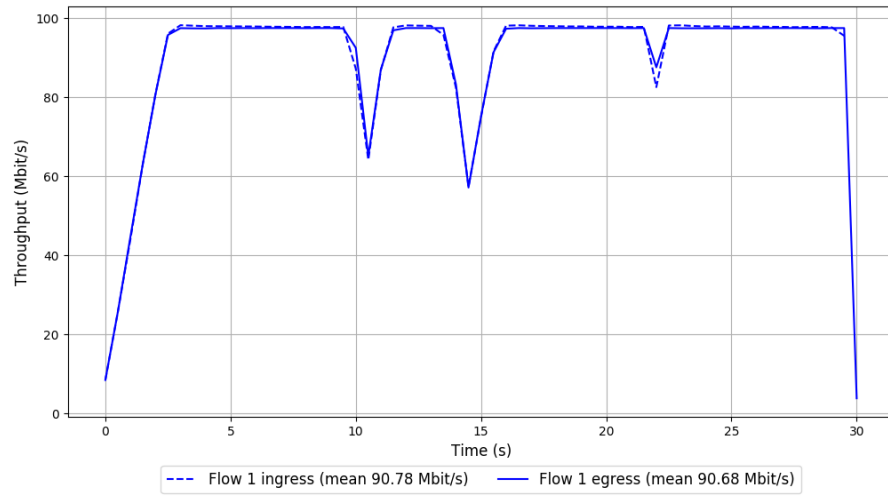


```
Run 2: Statistics of LEDBAT

Start at: 2018-02-02 13:05:42
End at: 2018-02-02 13:06:12
Local clock offset: -0.135 ms
Remote clock offset: -22.271 ms

# Below is generated by plot.py at 2018-02-02 16:39:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: 28.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: 28.428 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

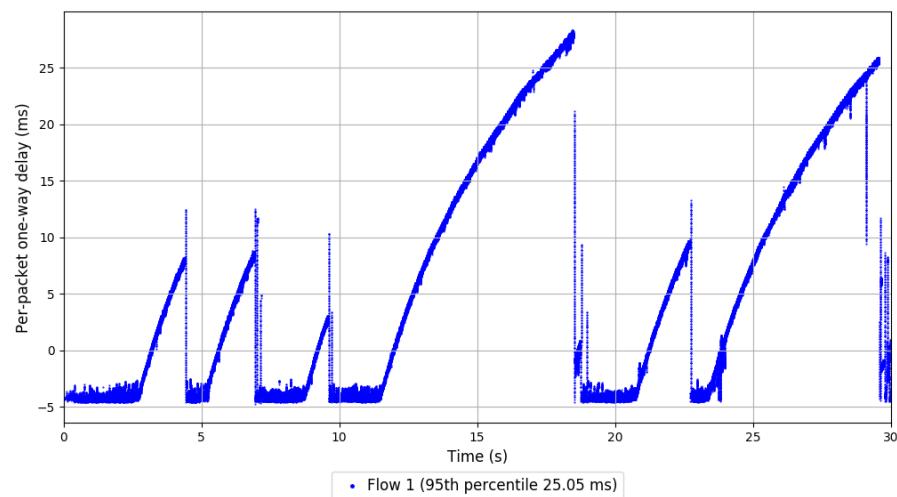
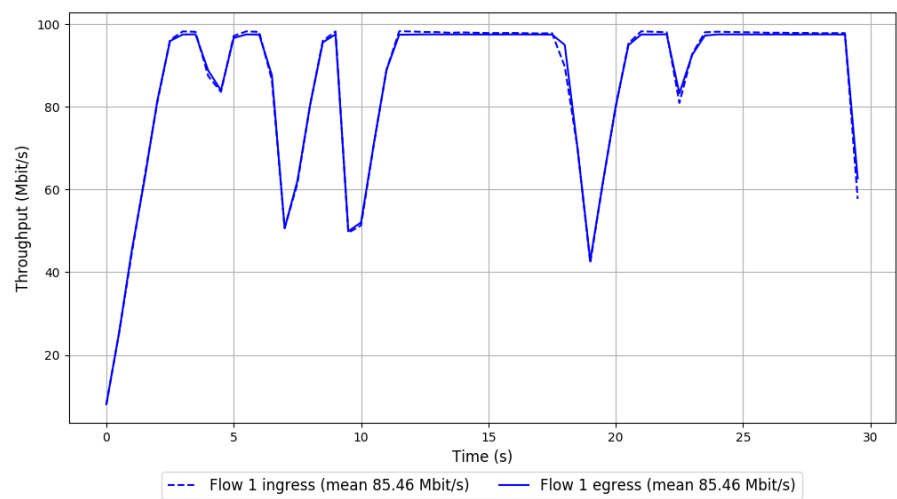


Run 3: Statistics of LEDBAT

Start at: 2018-02-02 13:27:58
End at: 2018-02-02 13:28:28
Local clock offset: 3.113 ms
Remote clock offset: -21.944 ms

Below is generated by plot.py at 2018-02-02 16:39:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 25.055 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 25.055 ms
Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

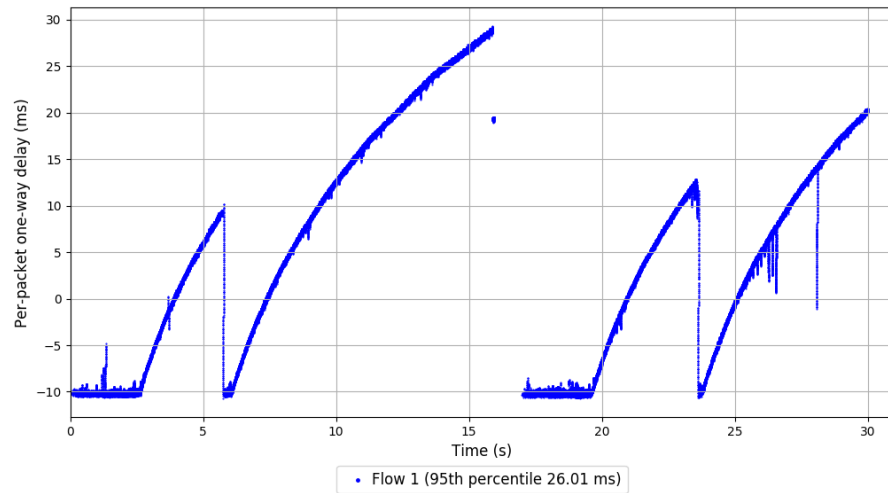
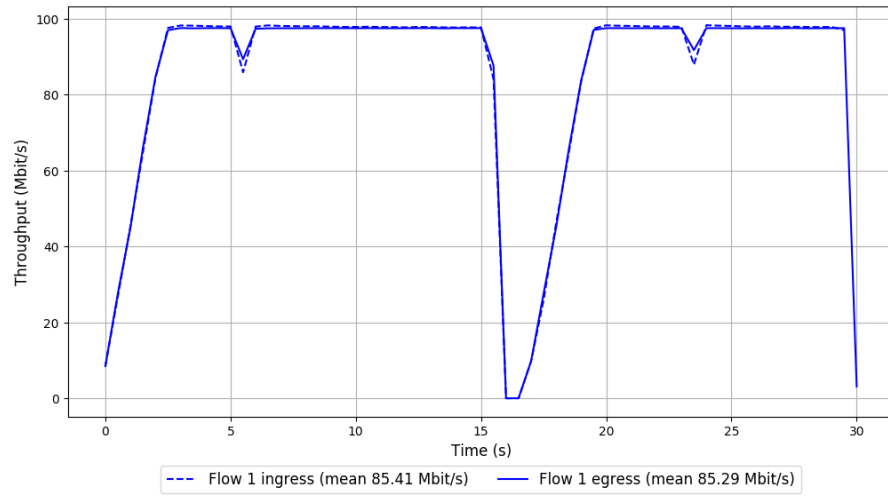


Run 4: Statistics of LEDBAT

Start at: 2018-02-02 13:49:51
End at: 2018-02-02 13:50:21
Local clock offset: 5.881 ms
Remote clock offset: -21.156 ms

Below is generated by plot.py at 2018-02-02 16:39:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 26.008 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 26.008 ms
Loss rate: 0.04%

Run 4: Report of LEDBAT — Data Link

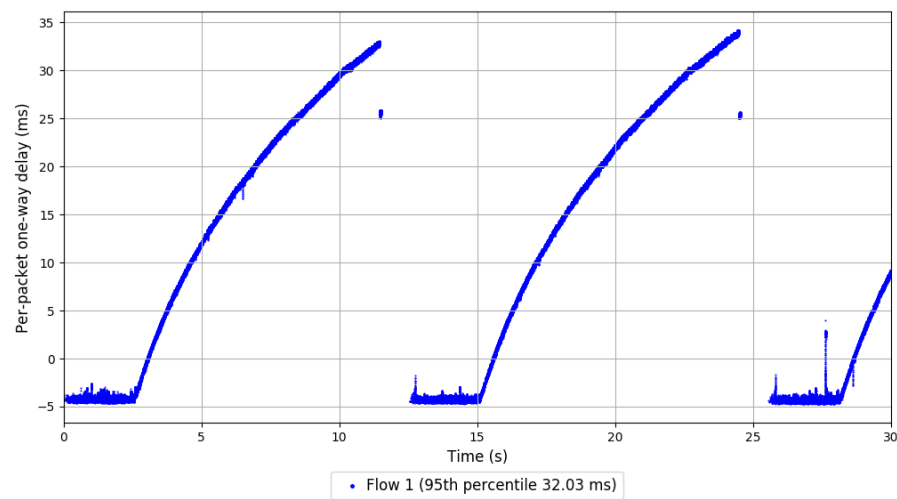
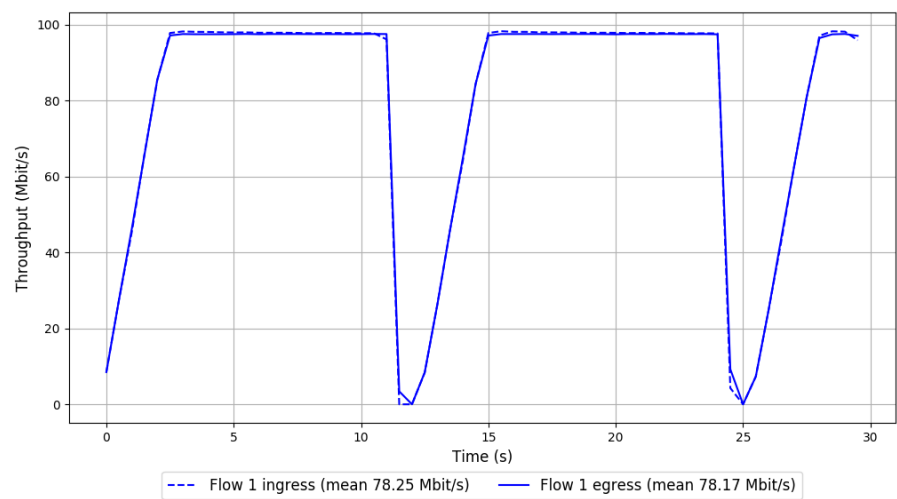


Run 5: Statistics of LEDBAT

Start at: 2018-02-02 14:11:27
End at: 2018-02-02 14:11:57
Local clock offset: 0.291 ms
Remote clock offset: -16.677 ms

Below is generated by plot.py at 2018-02-02 16:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 32.029 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 32.029 ms
Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

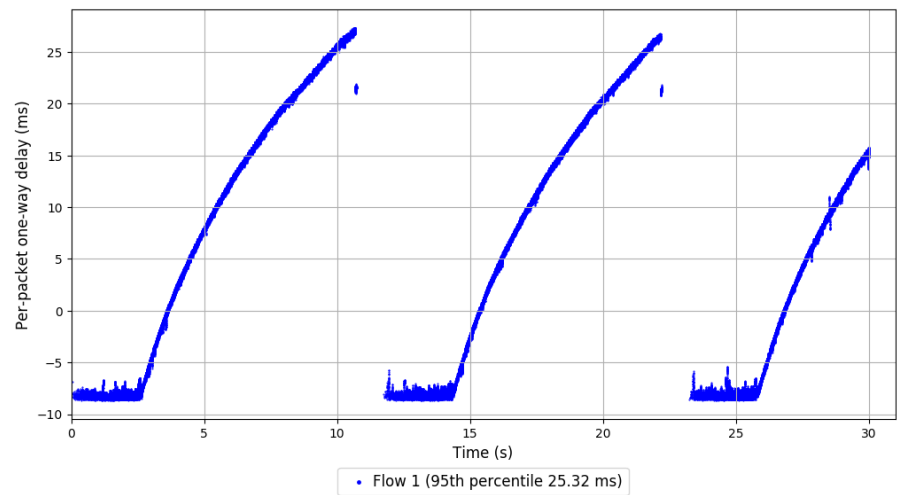
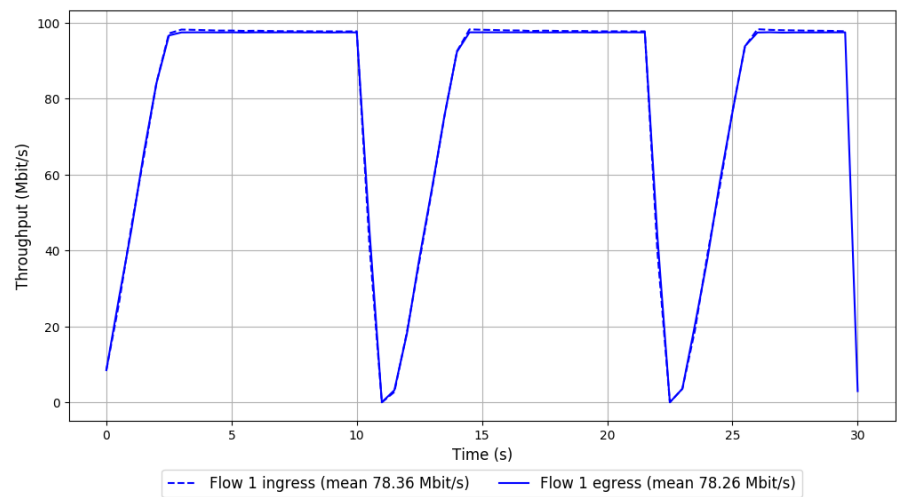


Run 6: Statistics of LEDBAT

Start at: 2018-02-02 14:33:09
End at: 2018-02-02 14:33:39
Local clock offset: 3.138 ms
Remote clock offset: -15.979 ms

Below is generated by plot.py at 2018-02-02 16:40:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 25.322 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 25.322 ms
Loss rate: 0.05%

Run 6: Report of LEDBAT — Data Link

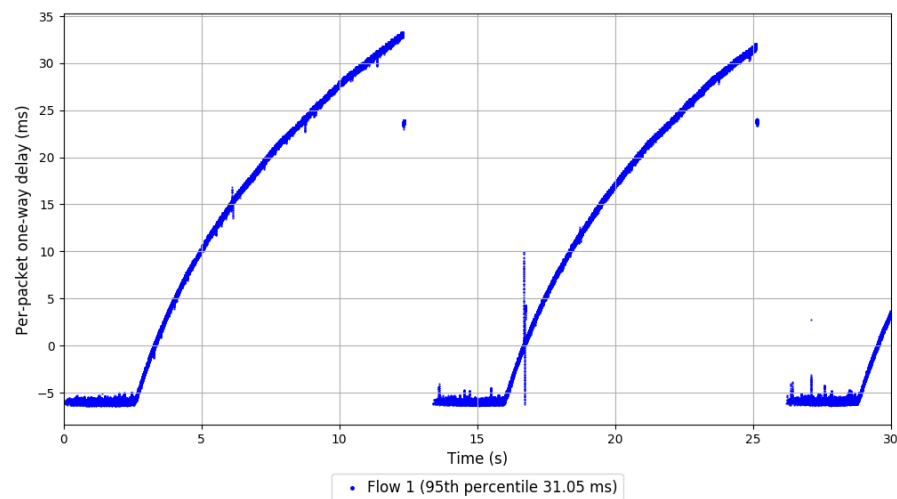
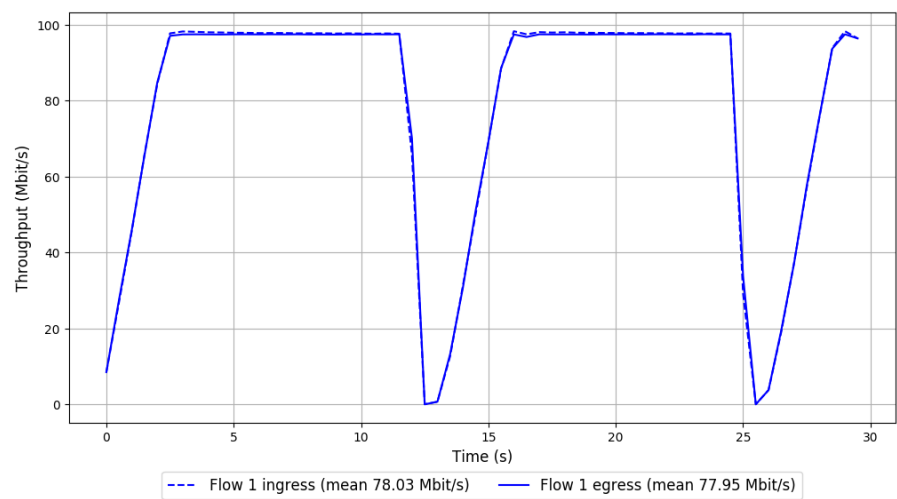


Run 7: Statistics of LEDBAT

Start at: 2018-02-02 14:54:54
End at: 2018-02-02 14:55:24
Local clock offset: 1.479 ms
Remote clock offset: -18.92 ms

Below is generated by plot.py at 2018-02-02 16:40:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.95 Mbit/s
95th percentile per-packet one-way delay: 31.047 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 77.95 Mbit/s
95th percentile per-packet one-way delay: 31.047 ms
Loss rate: 0.07%

Run 7: Report of LEDBAT — Data Link

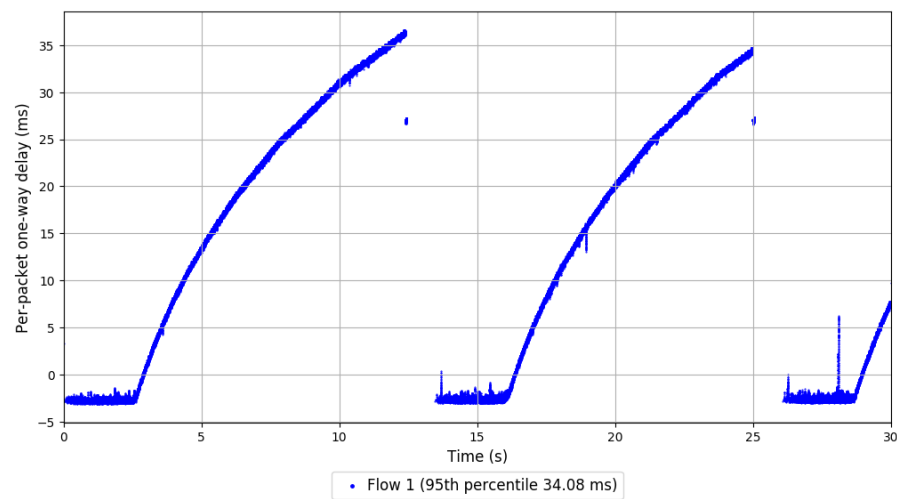
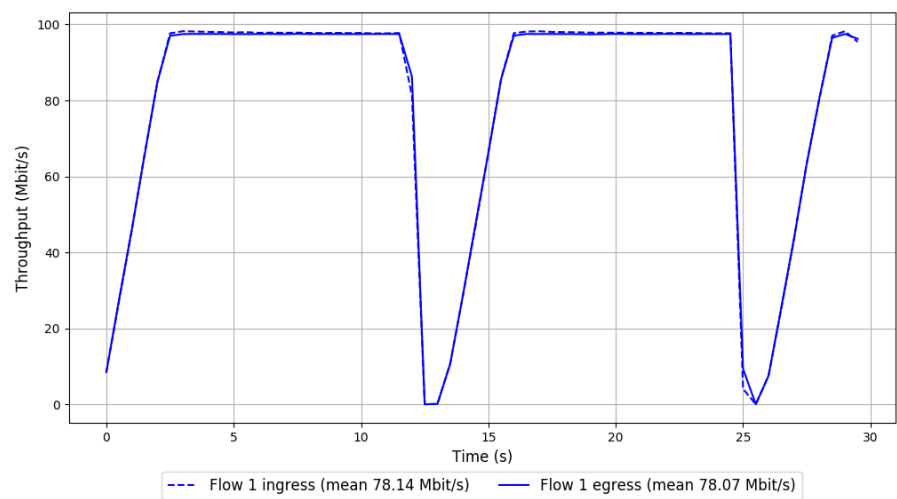


Run 8: Statistics of LEDBAT

Start at: 2018-02-02 15:16:43
End at: 2018-02-02 15:17:13
Local clock offset: 0.119 ms
Remote clock offset: -17.839 ms

Below is generated by plot.py at 2018-02-02 16:40:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 34.080 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 34.080 ms
Loss rate: 0.07%

Run 8: Report of LEDBAT — Data Link

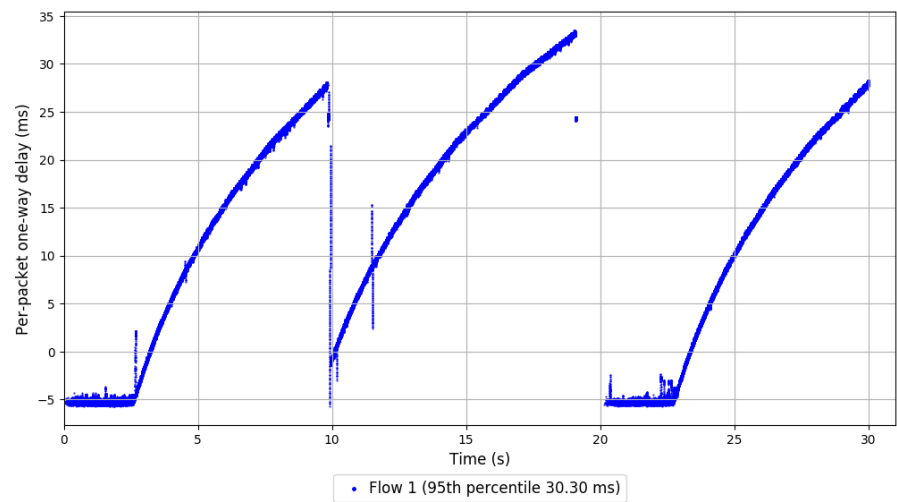
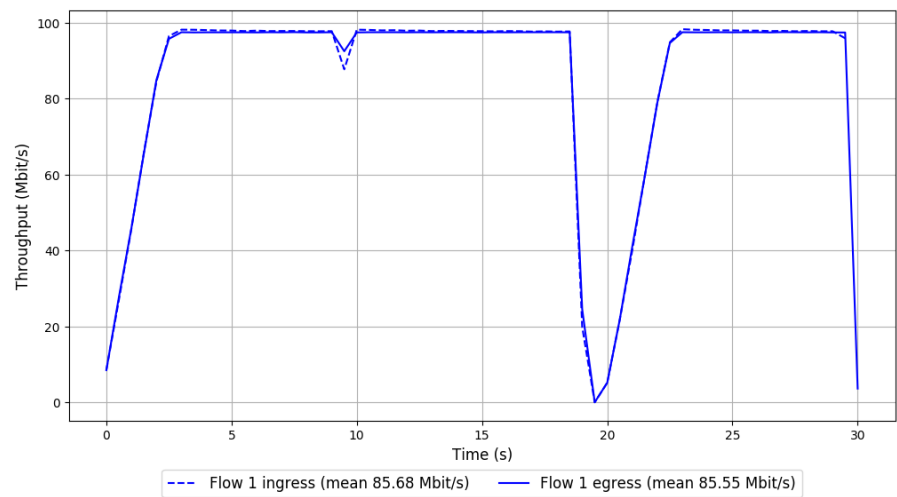


Run 9: Statistics of LEDBAT

Start at: 2018-02-02 15:38:30
End at: 2018-02-02 15:39:00
Local clock offset: 1.963 ms
Remote clock offset: -21.785 ms

Below is generated by plot.py at 2018-02-02 16:40:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 30.299 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 30.299 ms
Loss rate: 0.05%

Run 9: Report of LEDBAT — Data Link

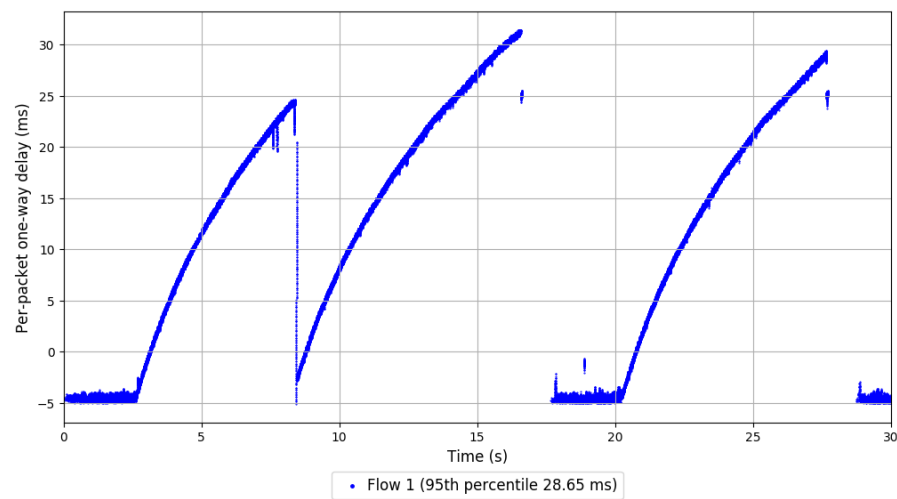
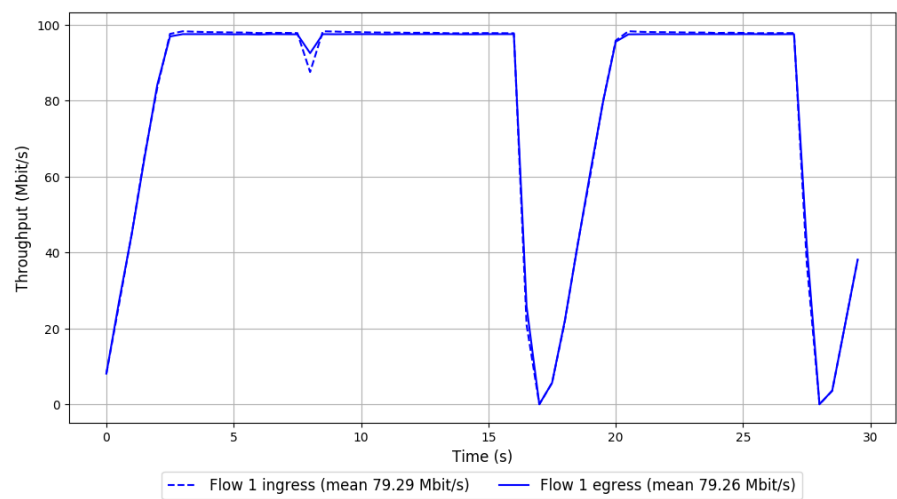


Run 10: Statistics of LEDBAT

Start at: 2018-02-02 16:00:18
End at: 2018-02-02 16:00:48
Local clock offset: 1.94 ms
Remote clock offset: -20.443 ms

Below is generated by plot.py at 2018-02-02 16:40:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.26 Mbit/s
95th percentile per-packet one-way delay: 28.653 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 79.26 Mbit/s
95th percentile per-packet one-way delay: 28.653 ms
Loss rate: 0.04%

Run 10: Report of LEDBAT — Data Link

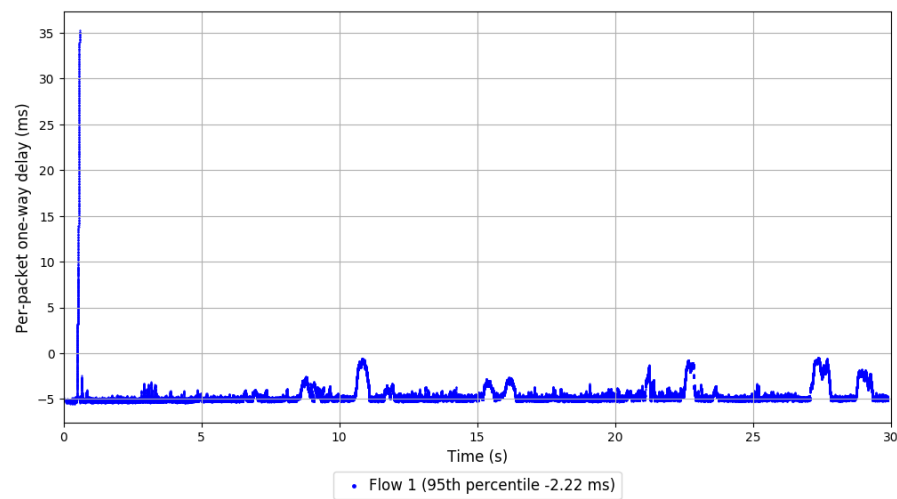
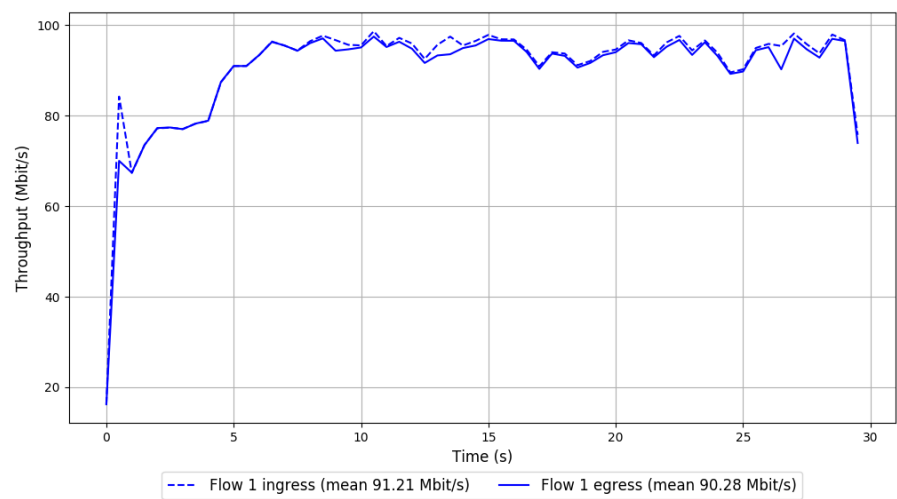


Run 1: Statistics of PCC

Start at: 2018-02-02 12:47:36
End at: 2018-02-02 12:48:07
Local clock offset: 0.79 ms
Remote clock offset: -20.635 ms

Below is generated by plot.py at 2018-02-02 16:40:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.28 Mbit/s
95th percentile per-packet one-way delay: -2.217 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 90.28 Mbit/s
95th percentile per-packet one-way delay: -2.217 ms
Loss rate: 1.02%

Run 1: Report of PCC — Data Link

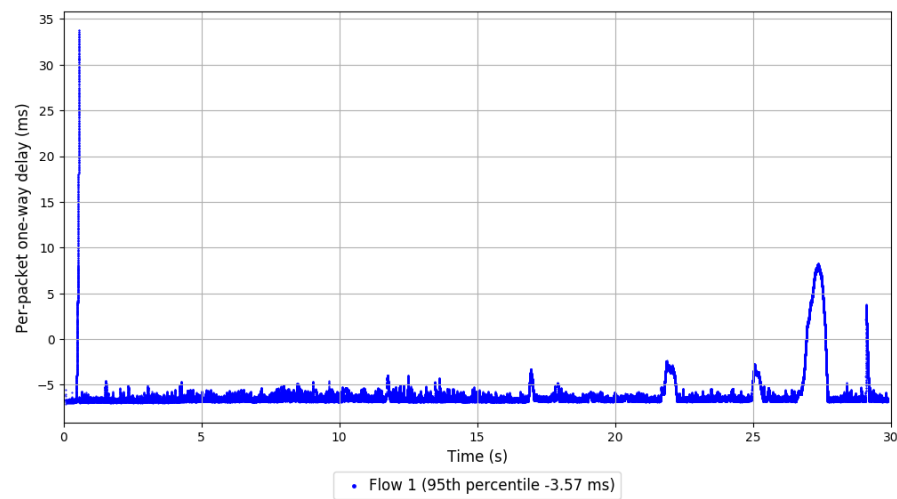
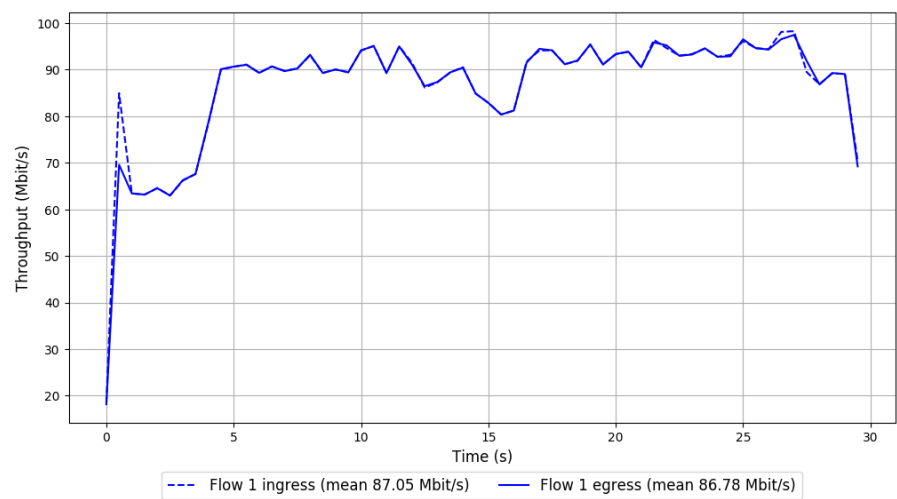


Run 2: Statistics of PCC

Start at: 2018-02-02 13:09:32
End at: 2018-02-02 13:10:02
Local clock offset: 1.37 ms
Remote clock offset: -23.445 ms

Below is generated by plot.py at 2018-02-02 16:40:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: -3.568 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: -3.568 ms
Loss rate: 0.32%

Run 2: Report of PCC — Data Link

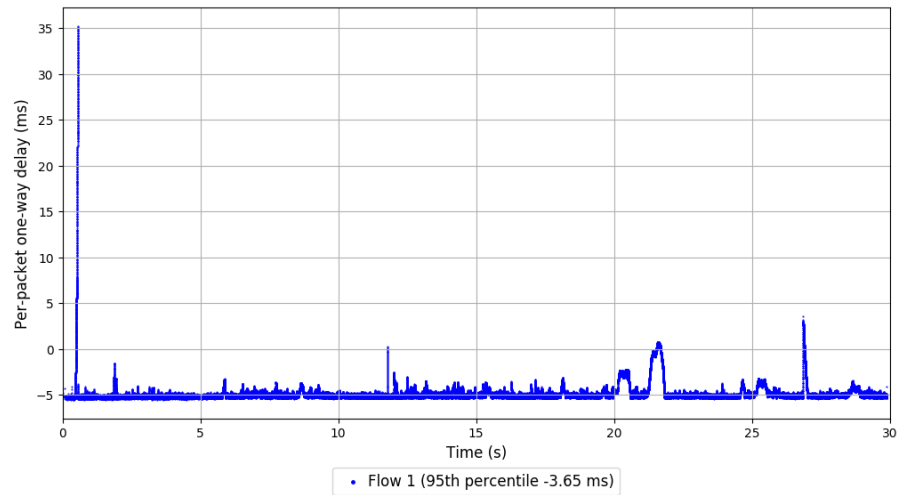
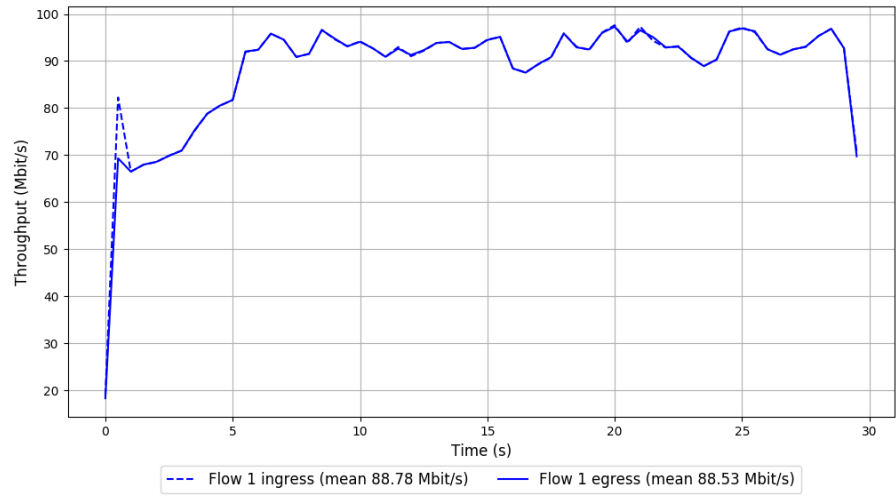


Run 3: Statistics of PCC

Start at: 2018-02-02 13:31:35
End at: 2018-02-02 13:32:05
Local clock offset: 1.943 ms
Remote clock offset: -24.335 ms

Below is generated by plot.py at 2018-02-02 16:41:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: -3.647 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: -3.647 ms
Loss rate: 0.27%

Run 3: Report of PCC — Data Link

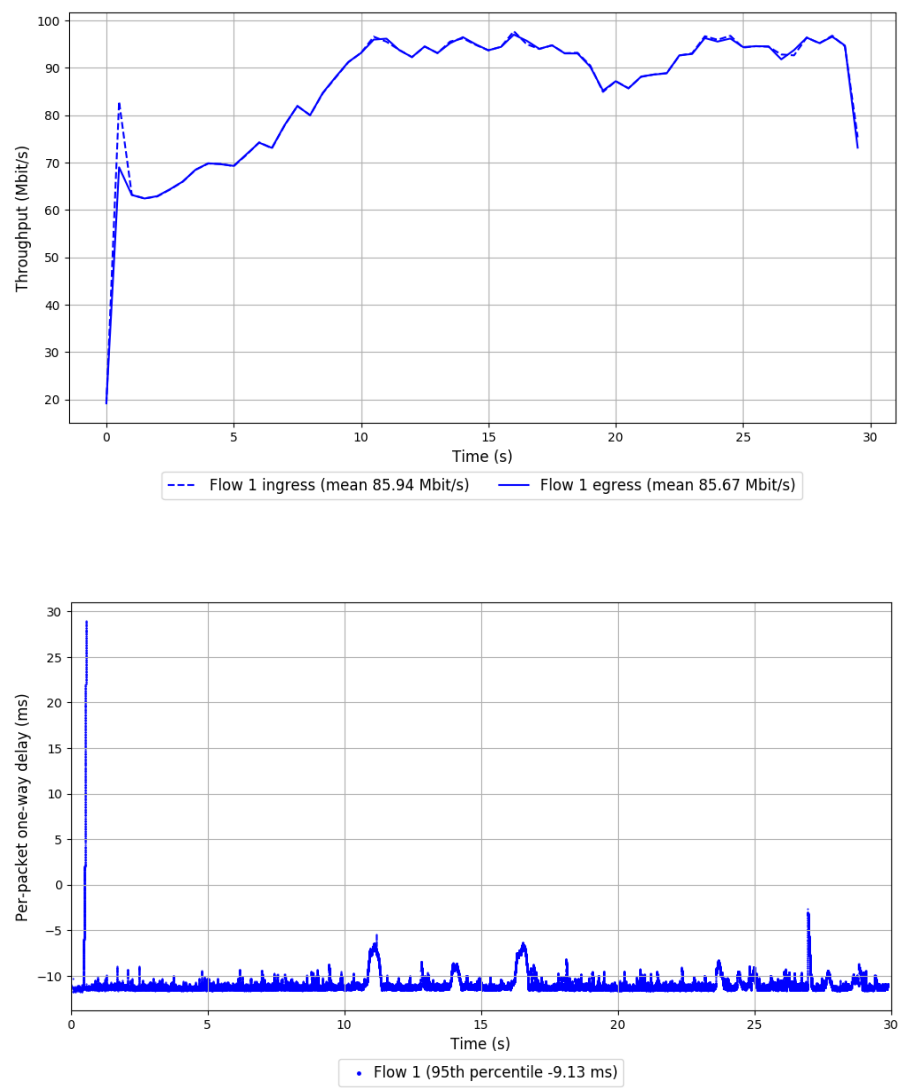


Run 4: Statistics of PCC

Start at: 2018-02-02 13:53:22
End at: 2018-02-02 13:53:52
Local clock offset: 5.457 ms
Remote clock offset: -21.691 ms

Below is generated by plot.py at 2018-02-02 16:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: -9.134 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: -9.134 ms
Loss rate: 0.32%

Run 4: Report of PCC — Data Link

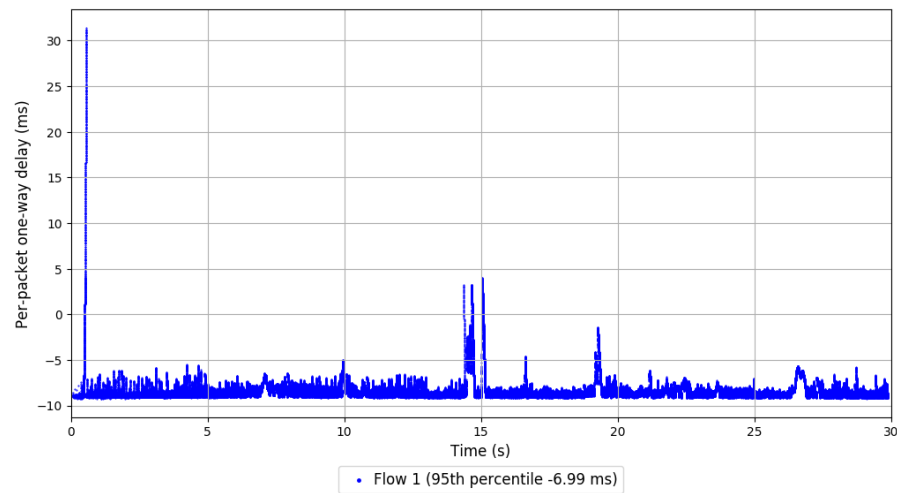
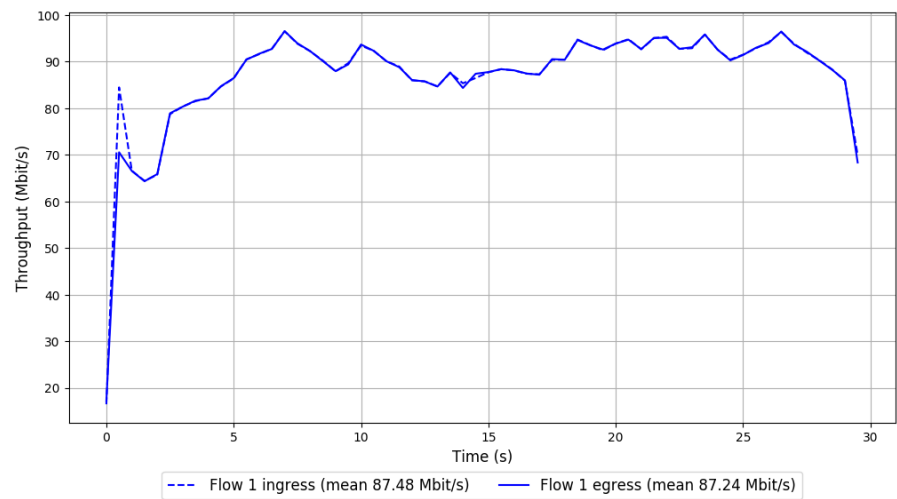


Run 5: Statistics of PCC

Start at: 2018-02-02 14:14:58
End at: 2018-02-02 14:15:28
Local clock offset: 3.421 ms
Remote clock offset: -17.238 ms

Below is generated by plot.py at 2018-02-02 16:41:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: -6.987 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: -6.987 ms
Loss rate: 0.28%

Run 5: Report of PCC — Data Link

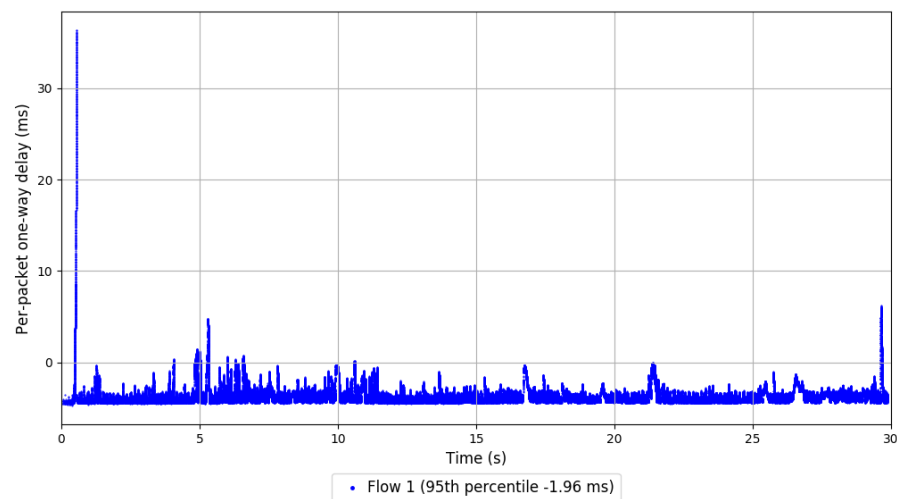
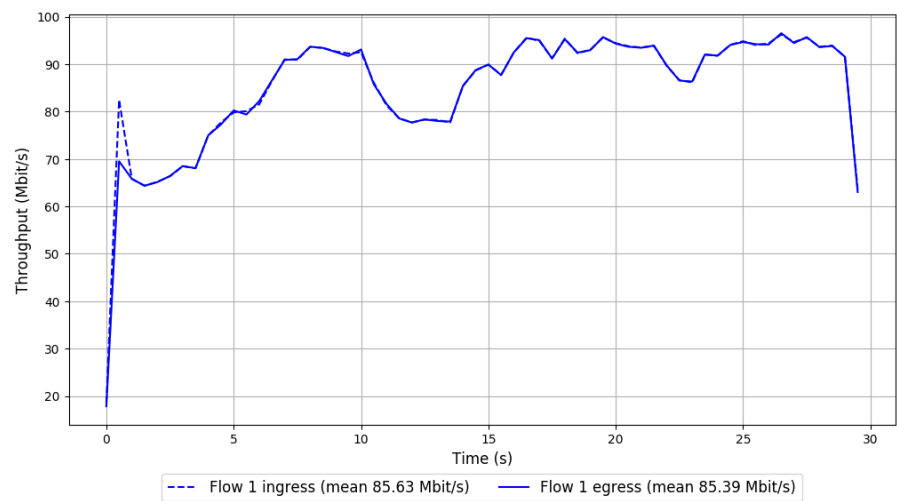


Run 6: Statistics of PCC

Start at: 2018-02-02 14:36:40
End at: 2018-02-02 14:37:10
Local clock offset: 0.864 ms
Remote clock offset: -13.965 ms

Below is generated by plot.py at 2018-02-02 16:41:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: -1.960 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: -1.960 ms
Loss rate: 0.28%

Run 6: Report of PCC — Data Link

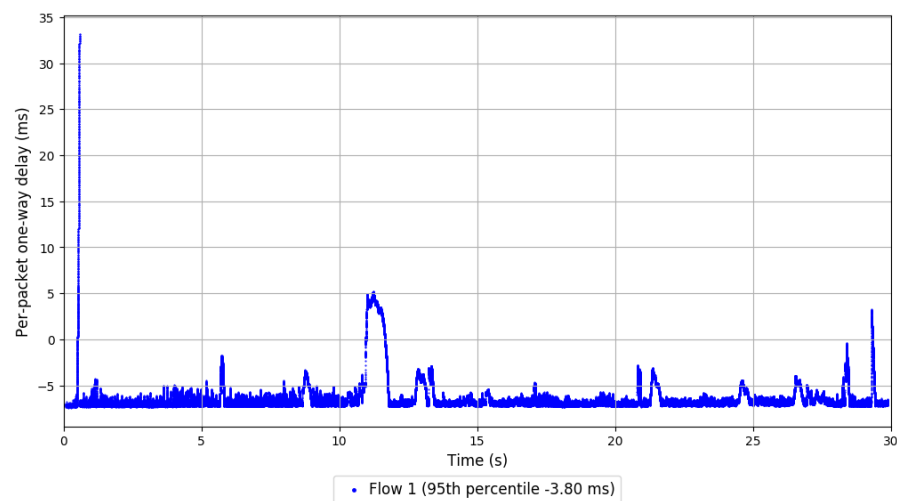
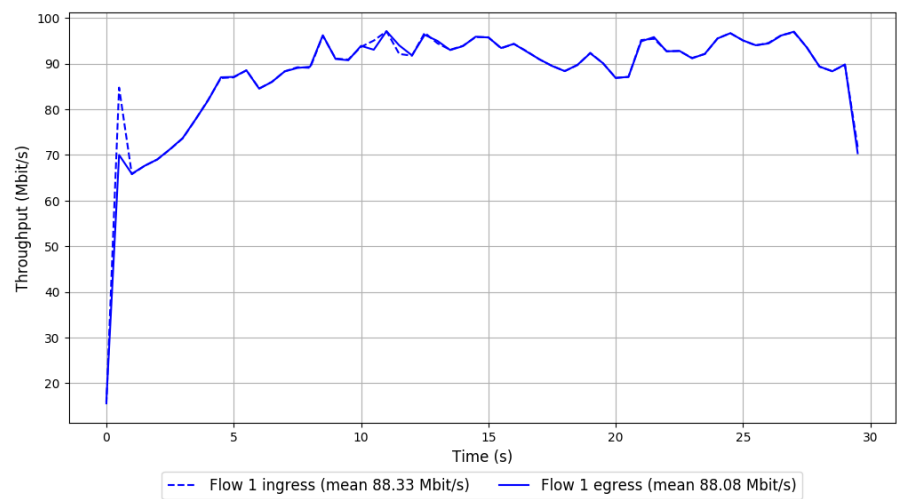


Run 7: Statistics of PCC

Start at: 2018-02-02 14:58:26
End at: 2018-02-02 14:58:56
Local clock offset: 3.922 ms
Remote clock offset: -17.736 ms

Below is generated by plot.py at 2018-02-02 16:41:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: -3.796 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: -3.796 ms
Loss rate: 0.28%

Run 7: Report of PCC — Data Link

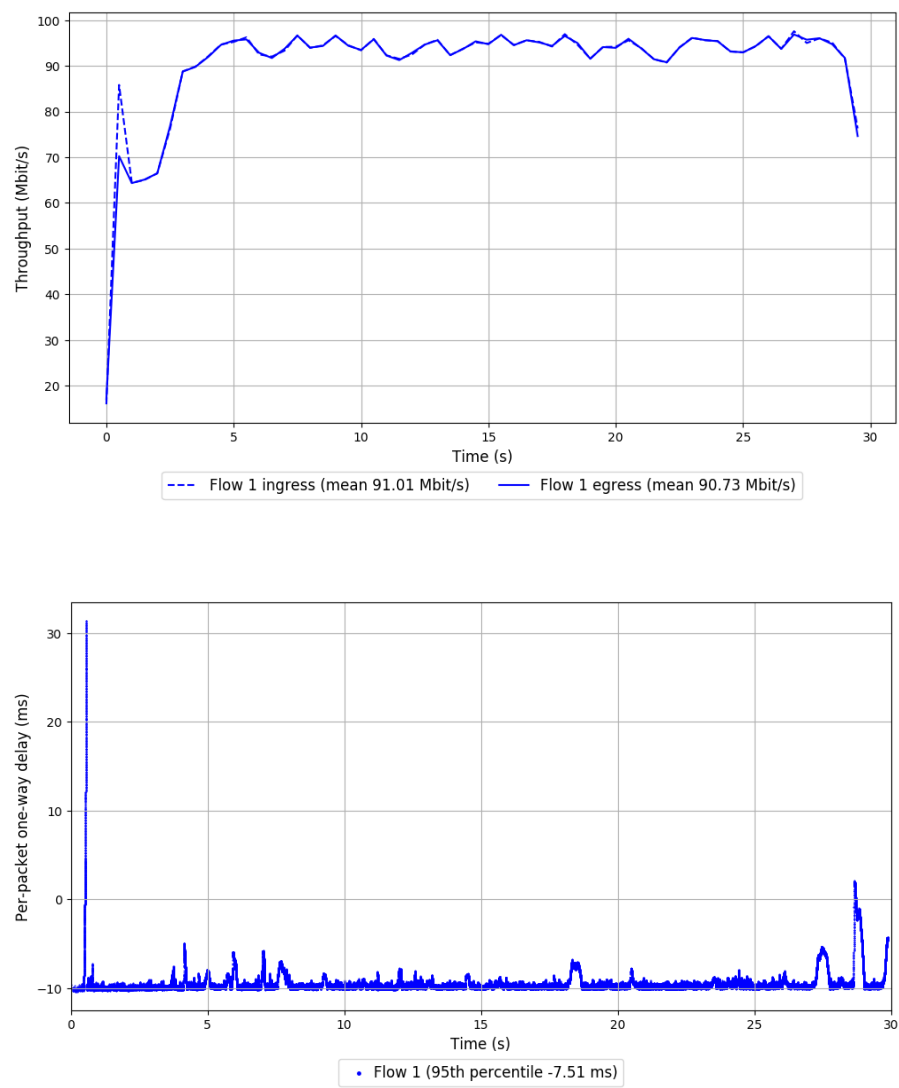


Run 8: Statistics of PCC

Start at: 2018-02-02 15:20:13
End at: 2018-02-02 15:20:43
Local clock offset: 3.314 ms
Remote clock offset: -22.537 ms

Below is generated by plot.py at 2018-02-02 16:42:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: -7.515 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: -7.515 ms
Loss rate: 0.29%

Run 8: Report of PCC — Data Link

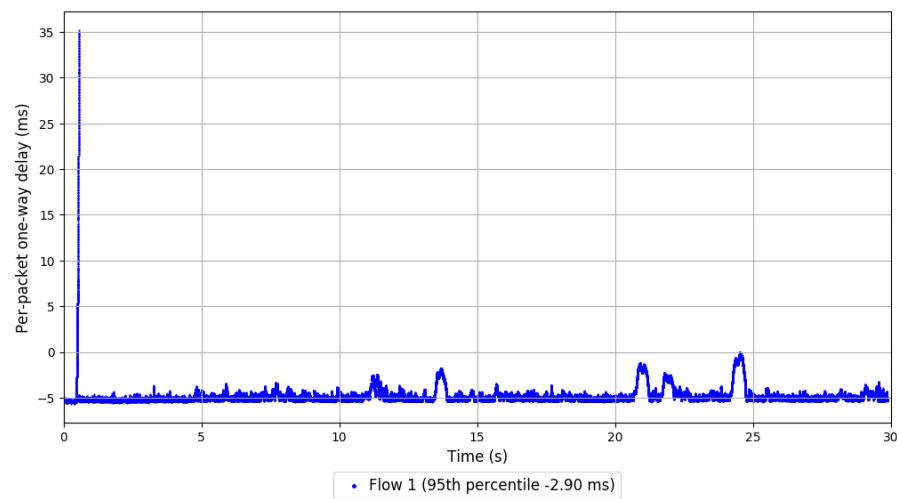
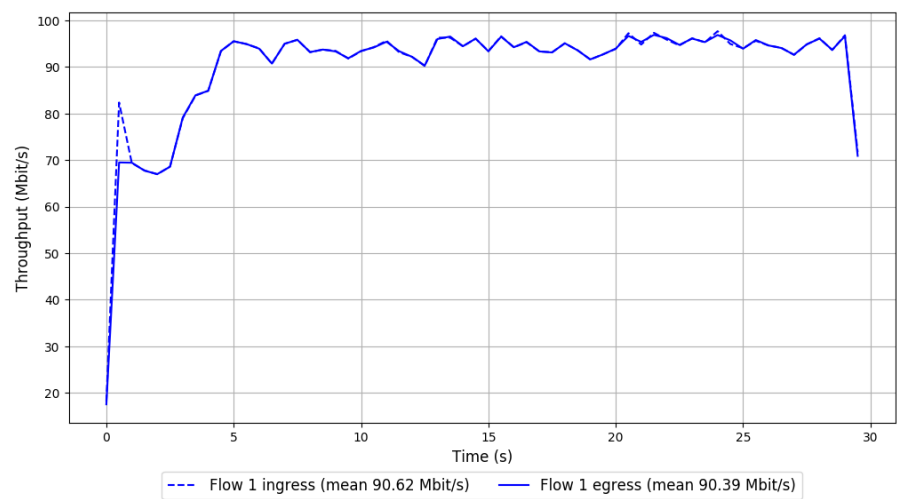


Run 9: Statistics of PCC

Start at: 2018-02-02 15:42:05
End at: 2018-02-02 15:42:35
Local clock offset: 2.066 ms
Remote clock offset: -21.908 ms

Below is generated by plot.py at 2018-02-02 16:42:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.39 Mbit/s
95th percentile per-packet one-way delay: -2.903 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 90.39 Mbit/s
95th percentile per-packet one-way delay: -2.903 ms
Loss rate: 0.26%

Run 9: Report of PCC — Data Link

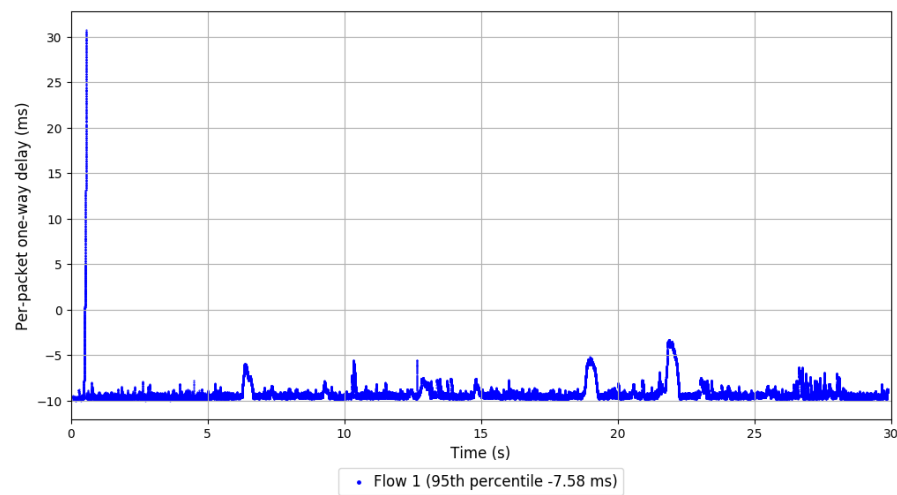
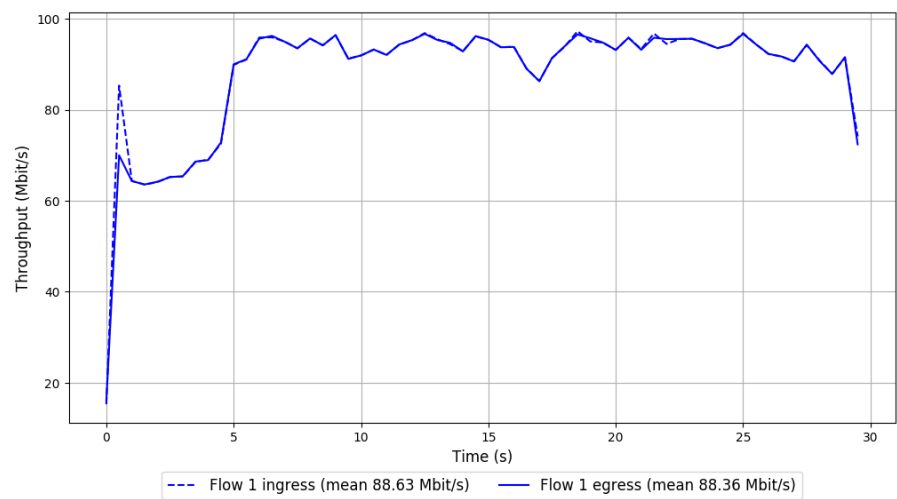


Run 10: Statistics of PCC

Start at: 2018-02-02 16:03:52
End at: 2018-02-02 16:04:22
Local clock offset: 5.811 ms
Remote clock offset: -21.136 ms

Below is generated by plot.py at 2018-02-02 16:42:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.36 Mbit/s
95th percentile per-packet one-way delay: -7.584 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 88.36 Mbit/s
95th percentile per-packet one-way delay: -7.584 ms
Loss rate: 0.30%

Run 10: Report of PCC — Data Link

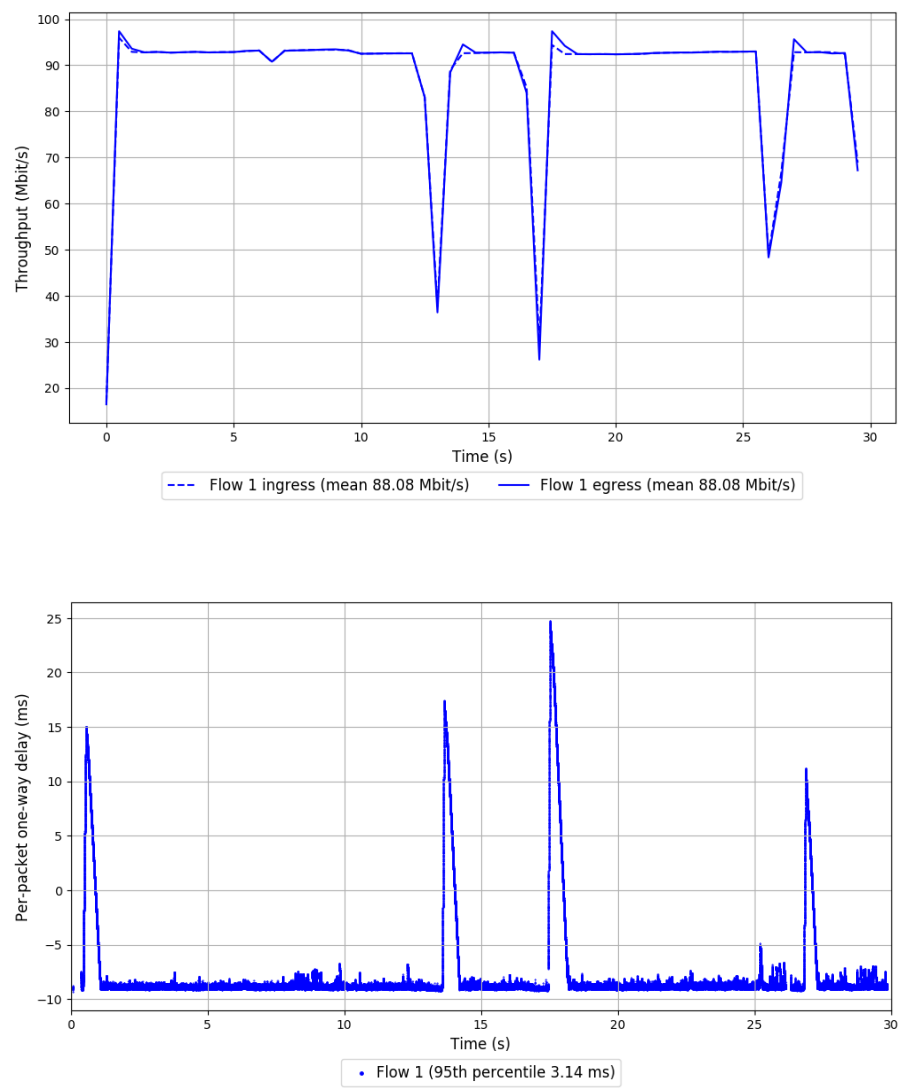


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-02 12:37:48
End at: 2018-02-02 12:38:18
Local clock offset: 0.285 ms
Remote clock offset: -22.877 ms

Below is generated by plot.py at 2018-02-02 16:42:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 3.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 3.137 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-02 12:59:42

End at: 2018-02-02 13:00:12

Local clock offset: 1.051 ms

Remote clock offset: -22.07 ms

Below is generated by plot.py at 2018-02-02 16:42:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.80 Mbit/s

95th percentile per-packet one-way delay: -5.330 ms

Loss rate: 0.04%

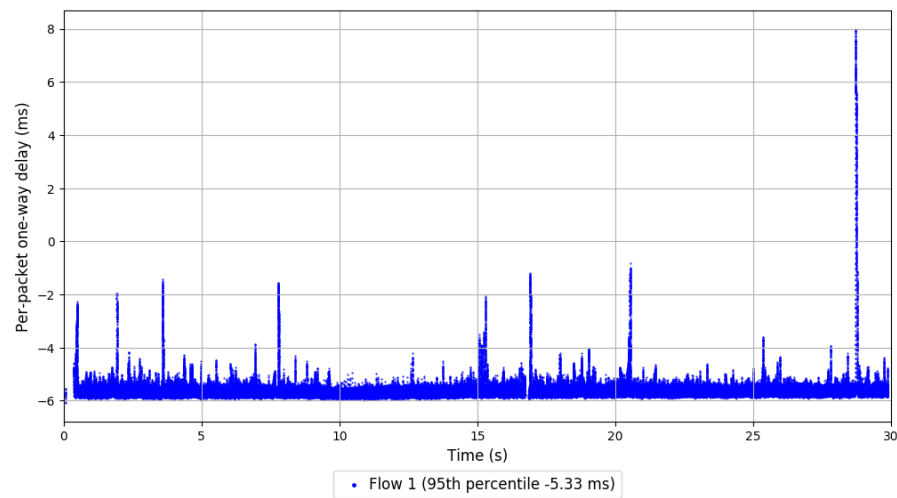
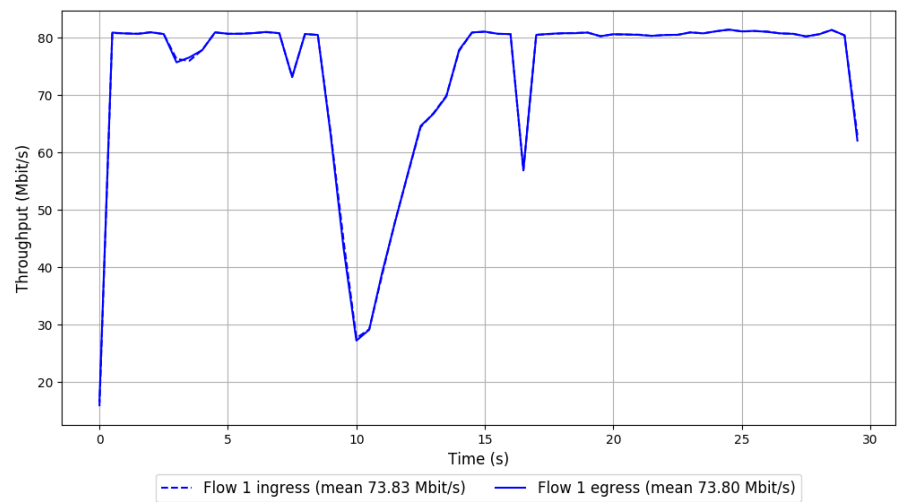
-- Flow 1:

Average throughput: 73.80 Mbit/s

95th percentile per-packet one-way delay: -5.330 ms

Loss rate: 0.04%

Run 2: Report of QUIC Cubic — Data Link

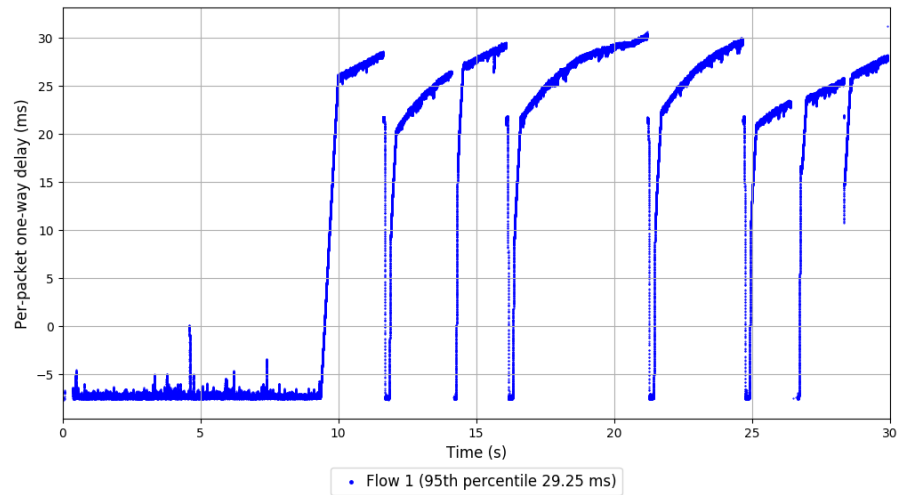
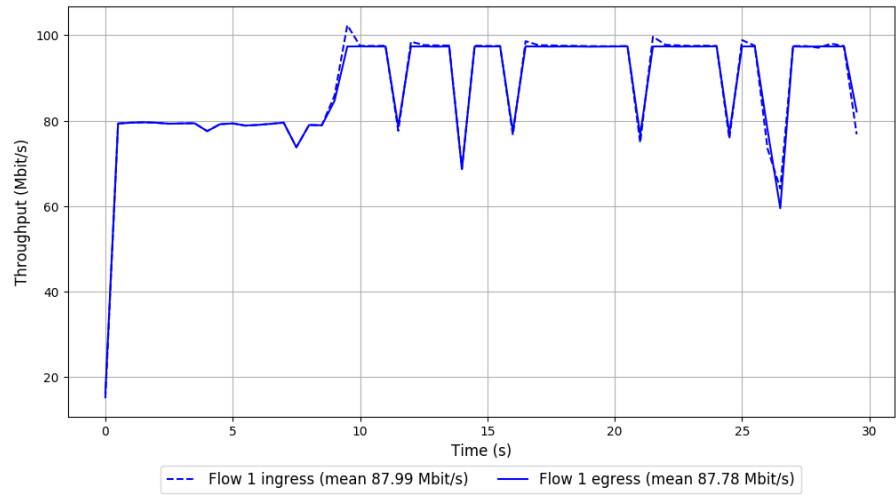


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-02 13:21:40
End at: 2018-02-02 13:22:10
Local clock offset: 3.484 ms
Remote clock offset: -23.787 ms

Below is generated by plot.py at 2018-02-02 16:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.78 Mbit/s
95th percentile per-packet one-way delay: 29.249 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 87.78 Mbit/s
95th percentile per-packet one-way delay: 29.249 ms
Loss rate: 0.12%

Run 3: Report of QUIC Cubic — Data Link

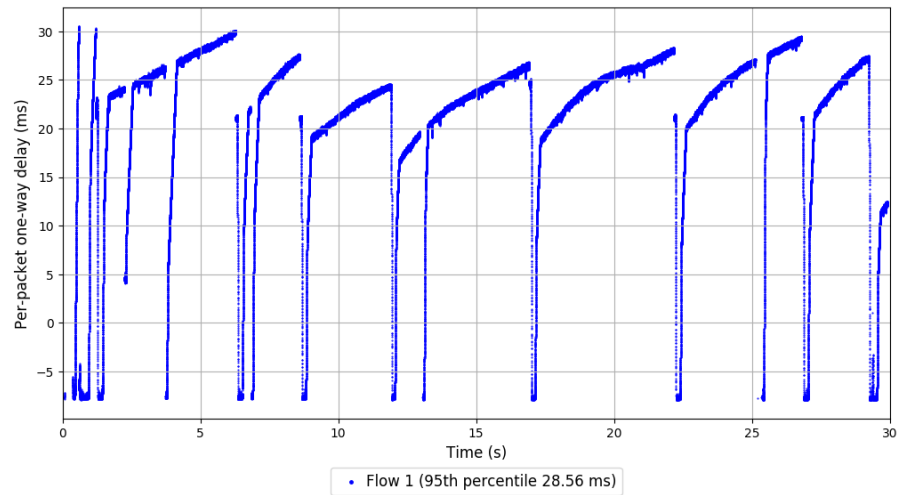
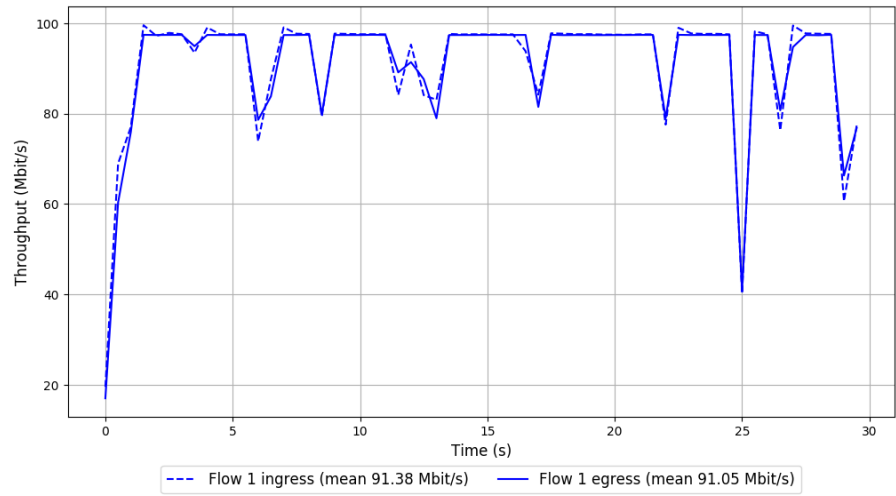


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-02 13:43:40
End at: 2018-02-02 13:44:10
Local clock offset: 5.694 ms
Remote clock offset: -19.771 ms

Below is generated by plot.py at 2018-02-02 16:43:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 28.559 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 28.559 ms
Loss rate: 0.30%

Run 4: Report of QUIC Cubic — Data Link

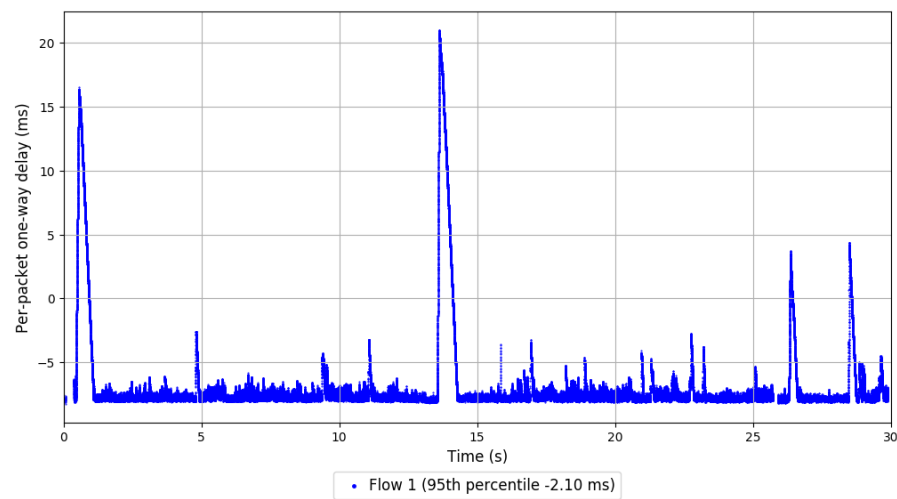
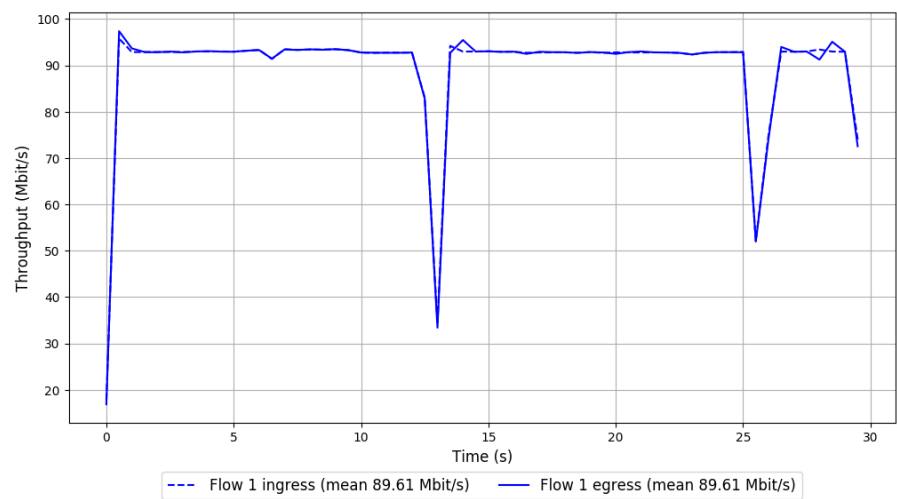


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-02 14:05:22
End at: 2018-02-02 14:05:52
Local clock offset: 2.534 ms
Remote clock offset: -19.276 ms

Below is generated by plot.py at 2018-02-02 16:43:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: -2.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: -2.105 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

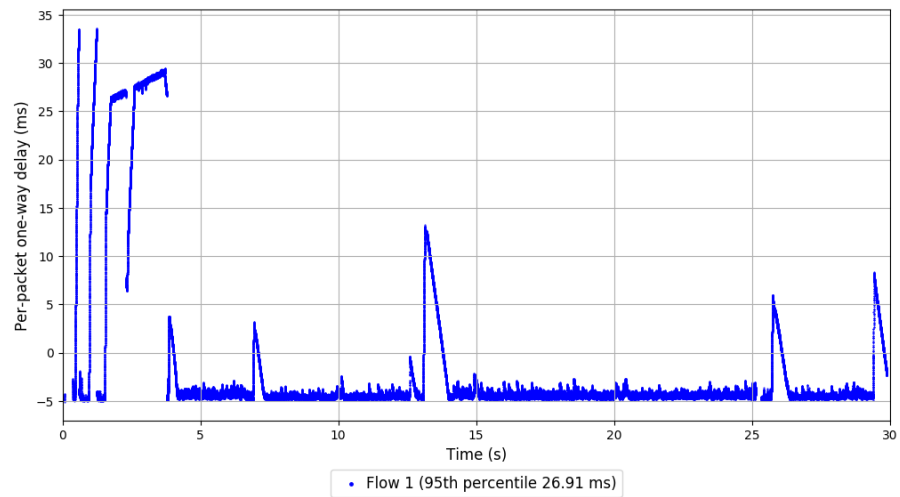
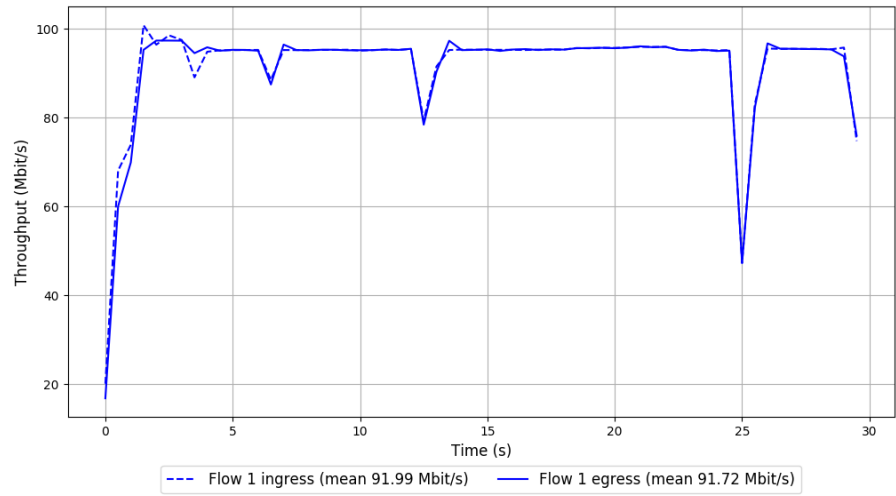


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-02 14:26:57
End at: 2018-02-02 14:27:27
Local clock offset: -0.202 ms
Remote clock offset: -15.623 ms

Below is generated by plot.py at 2018-02-02 16:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 26.913 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 26.913 ms
Loss rate: 0.29%

Run 6: Report of QUIC Cubic — Data Link

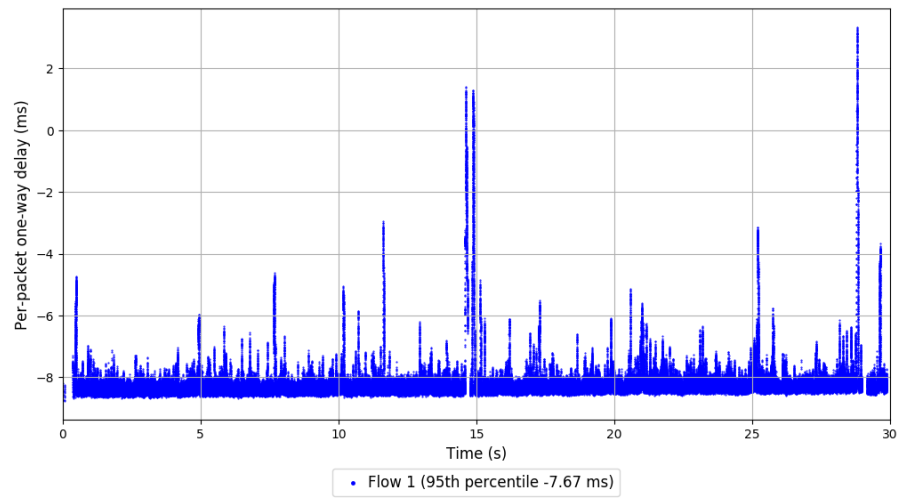
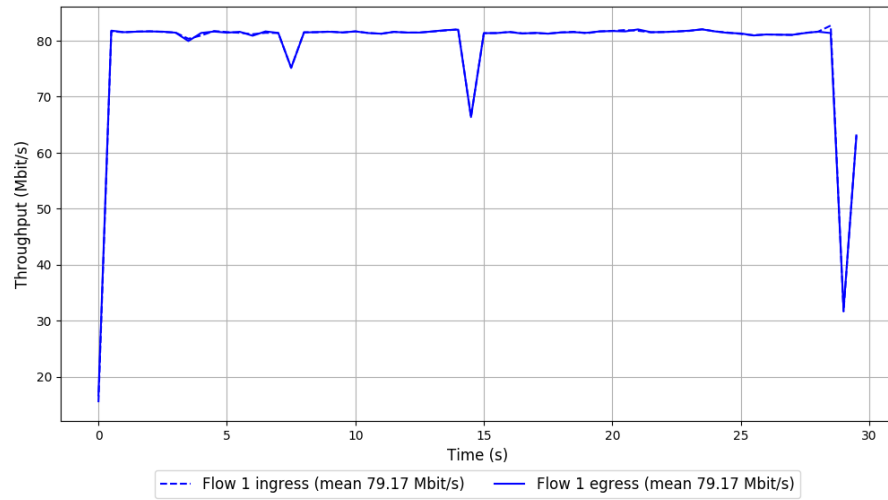


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-02 14:48:48
End at: 2018-02-02 14:49:18
Local clock offset: 4.249 ms
Remote clock offset: -17.258 ms

Below is generated by plot.py at 2018-02-02 16:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: -7.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: -7.667 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

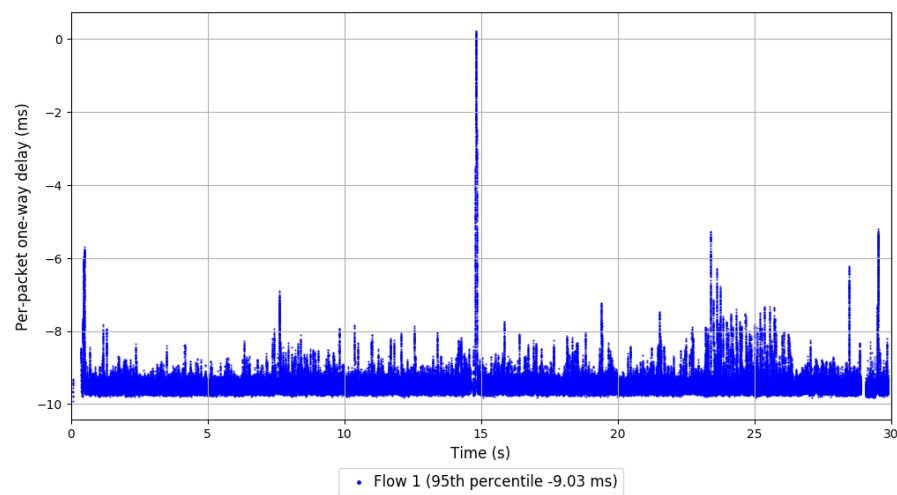
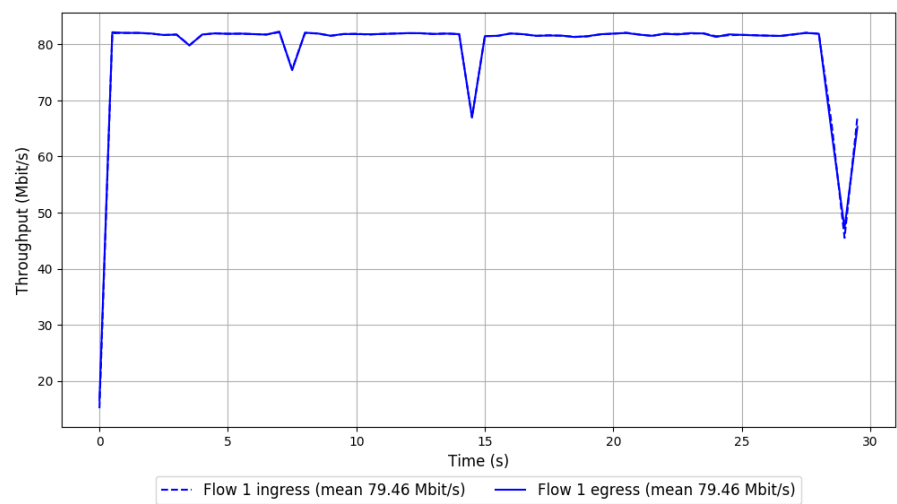


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-02 15:10:32
End at: 2018-02-02 15:11:02
Local clock offset: 3.1 ms
Remote clock offset: -21.331 ms

Below is generated by plot.py at 2018-02-02 16:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.46 Mbit/s
95th percentile per-packet one-way delay: -9.033 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.46 Mbit/s
95th percentile per-packet one-way delay: -9.033 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

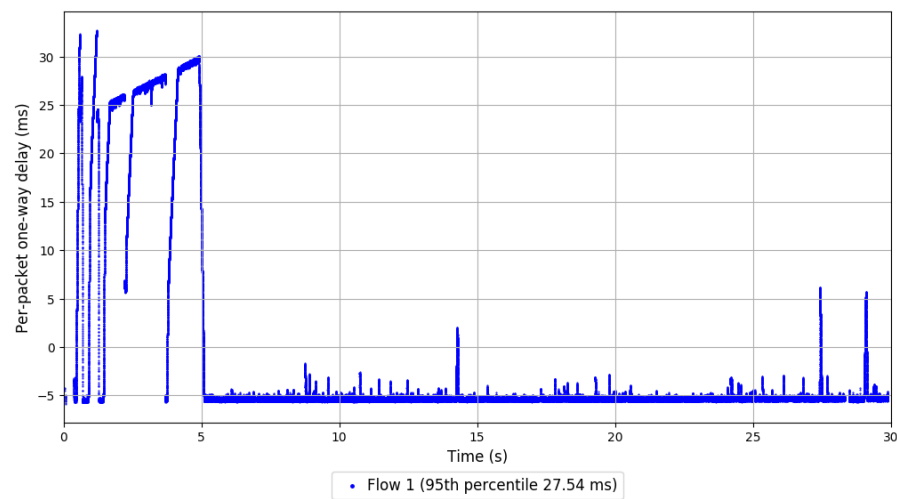
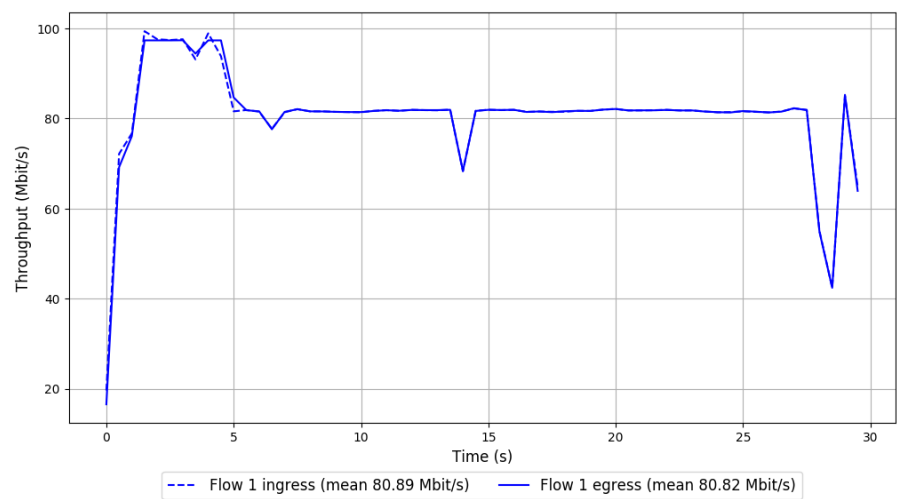


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-02 15:32:25
End at: 2018-02-02 15:32:55
Local clock offset: 2.937 ms
Remote clock offset: -20.086 ms

Below is generated by plot.py at 2018-02-02 16:44:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.82 Mbit/s
95th percentile per-packet one-way delay: 27.538 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 80.82 Mbit/s
95th percentile per-packet one-way delay: 27.538 ms
Loss rate: 0.08%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-02 15:54:07

End at: 2018-02-02 15:54:37

Local clock offset: 2.384 ms

Remote clock offset: -21.487 ms

Below is generated by plot.py at 2018-02-02 16:44:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.19 Mbit/s

95th percentile per-packet one-way delay: 31.239 ms

Loss rate: 0.51%

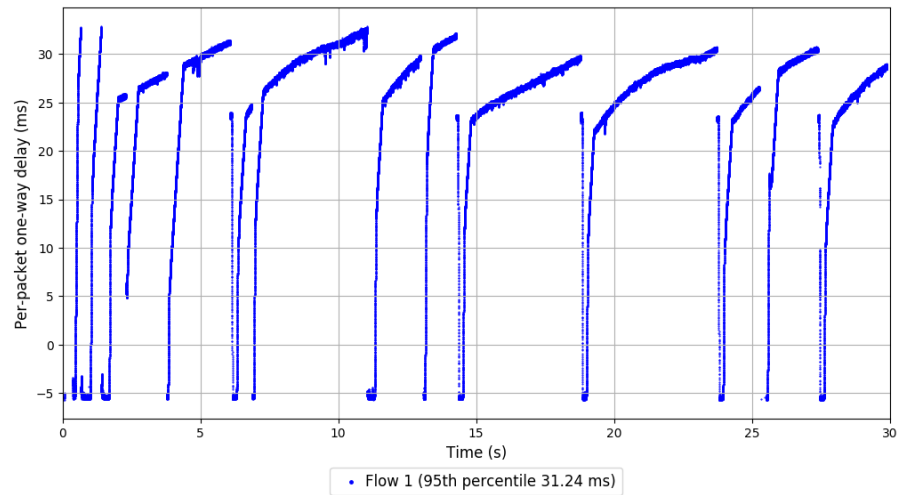
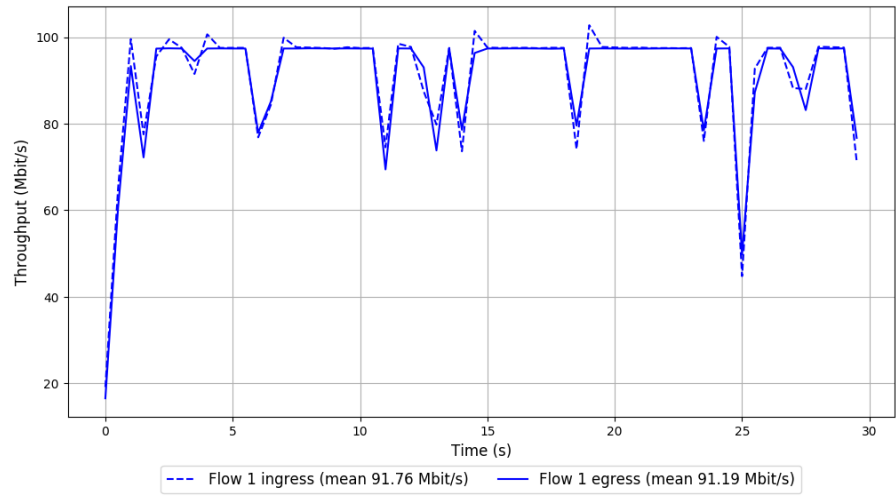
-- Flow 1:

Average throughput: 91.19 Mbit/s

95th percentile per-packet one-way delay: 31.239 ms

Loss rate: 0.51%

Run 10: Report of QUIC Cubic — Data Link

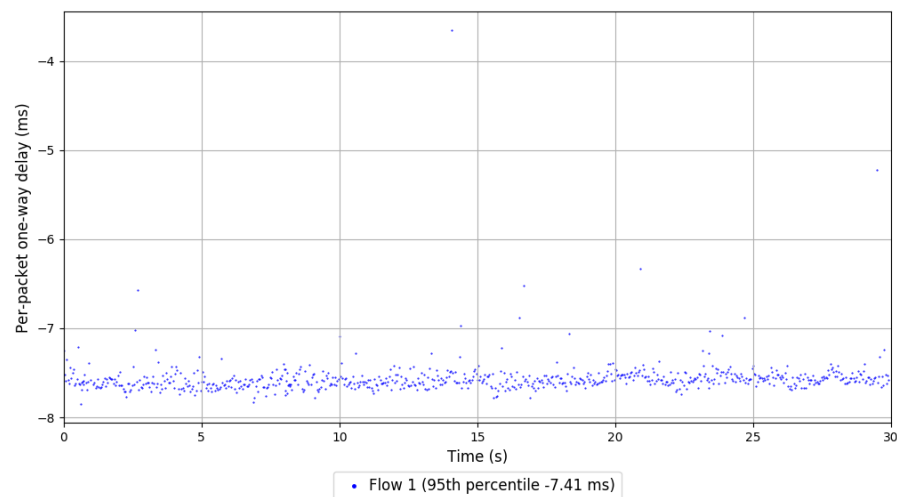
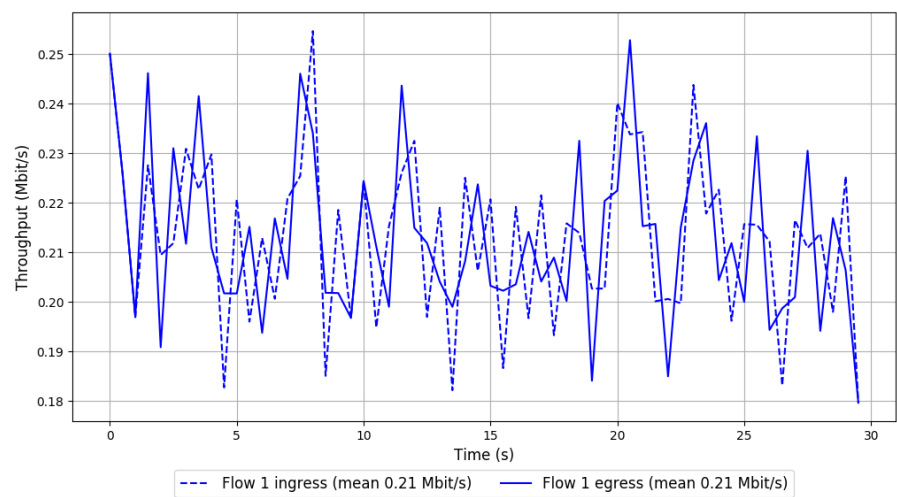


```
Run 1: Statistics of SCReAM

Start at: 2018-02-02 12:48:48
End at: 2018-02-02 12:49:19
Local clock offset: 0.929 ms
Remote clock offset: -23.061 ms

# Below is generated by plot.py at 2018-02-02 16:44:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.414 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

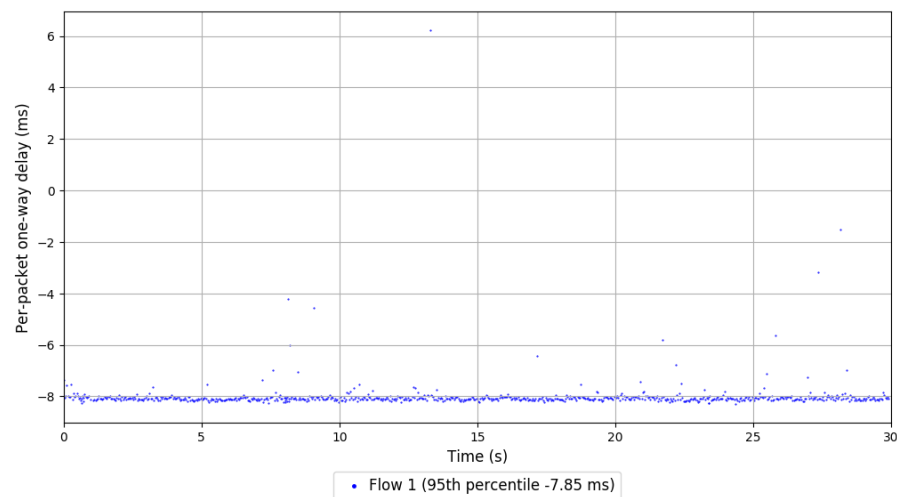
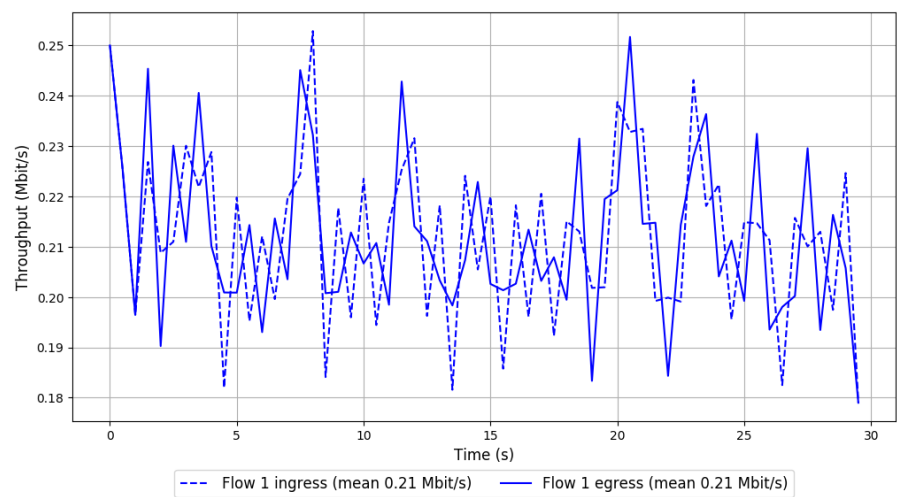


Run 2: Statistics of SCReAM

Start at: 2018-02-02 13:10:43
End at: 2018-02-02 13:11:13
Local clock offset: 2.164 ms
Remote clock offset: -24.04 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.850 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

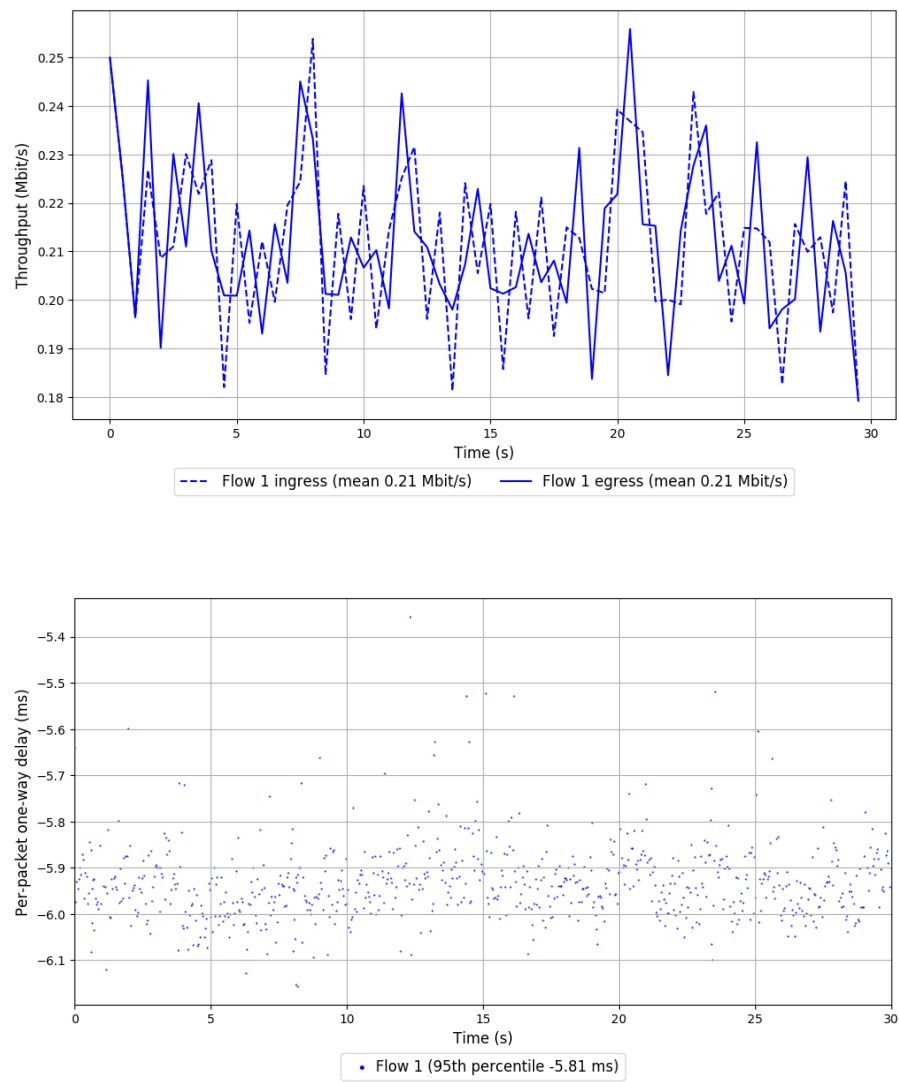


Run 3: Statistics of SCReAM

Start at: 2018-02-02 13:32:46
End at: 2018-02-02 13:33:16
Local clock offset: 3.916 ms
Remote clock offset: -23.046 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.808 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

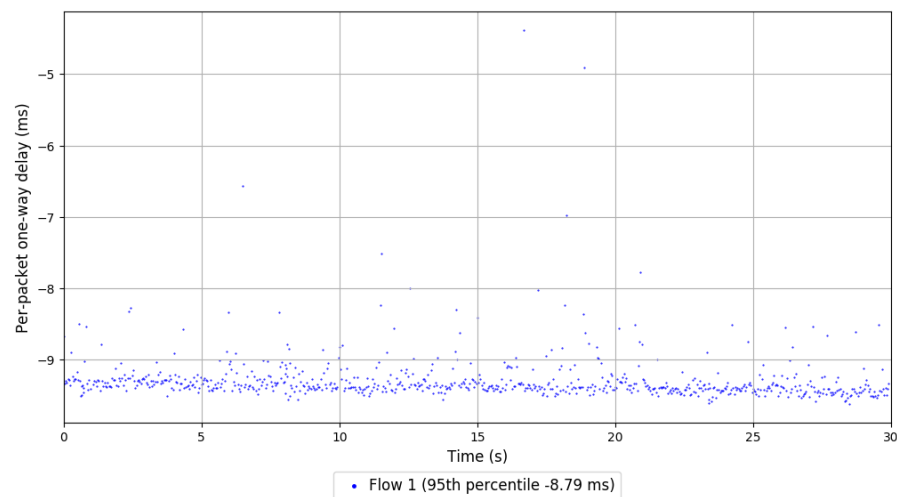
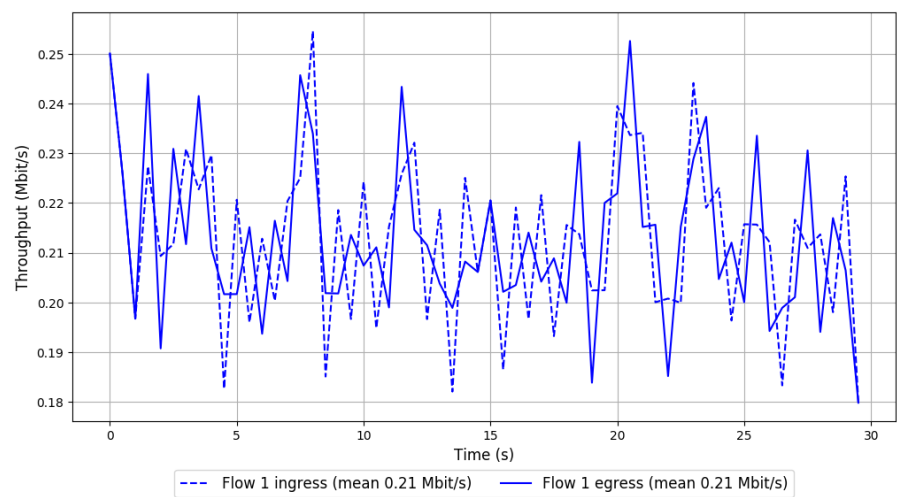


Run 4: Statistics of SCReAM

Start at: 2018-02-02 13:54:32
End at: 2018-02-02 13:55:02
Local clock offset: 5.031 ms
Remote clock offset: -19.717 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.789 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

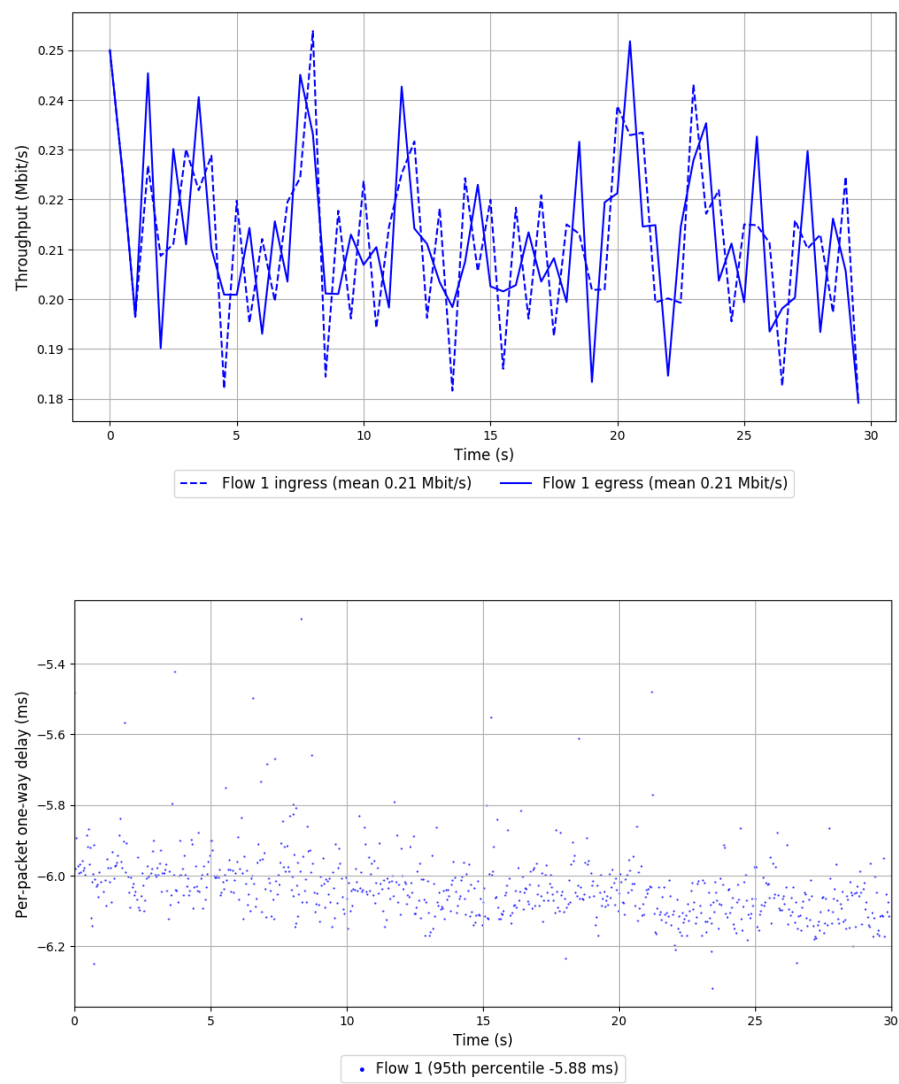


Run 5: Statistics of SCReAM

Start at: 2018-02-02 14:16:07
End at: 2018-02-02 14:16:37
Local clock offset: 1.691 ms
Remote clock offset: -15.764 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.879 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

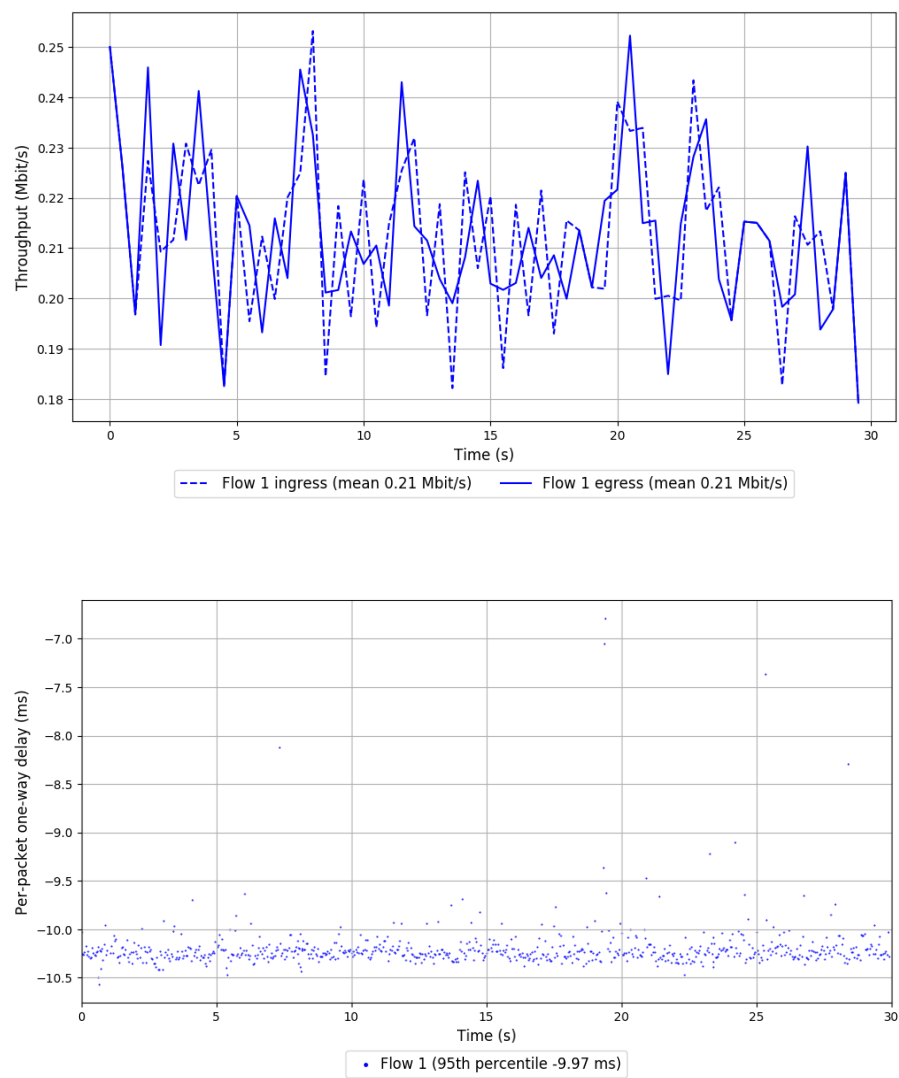


Run 6: Statistics of SCReAM

Start at: 2018-02-02 14:37:51
End at: 2018-02-02 14:38:21
Local clock offset: 4.292 ms
Remote clock offset: -16.402 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.968 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

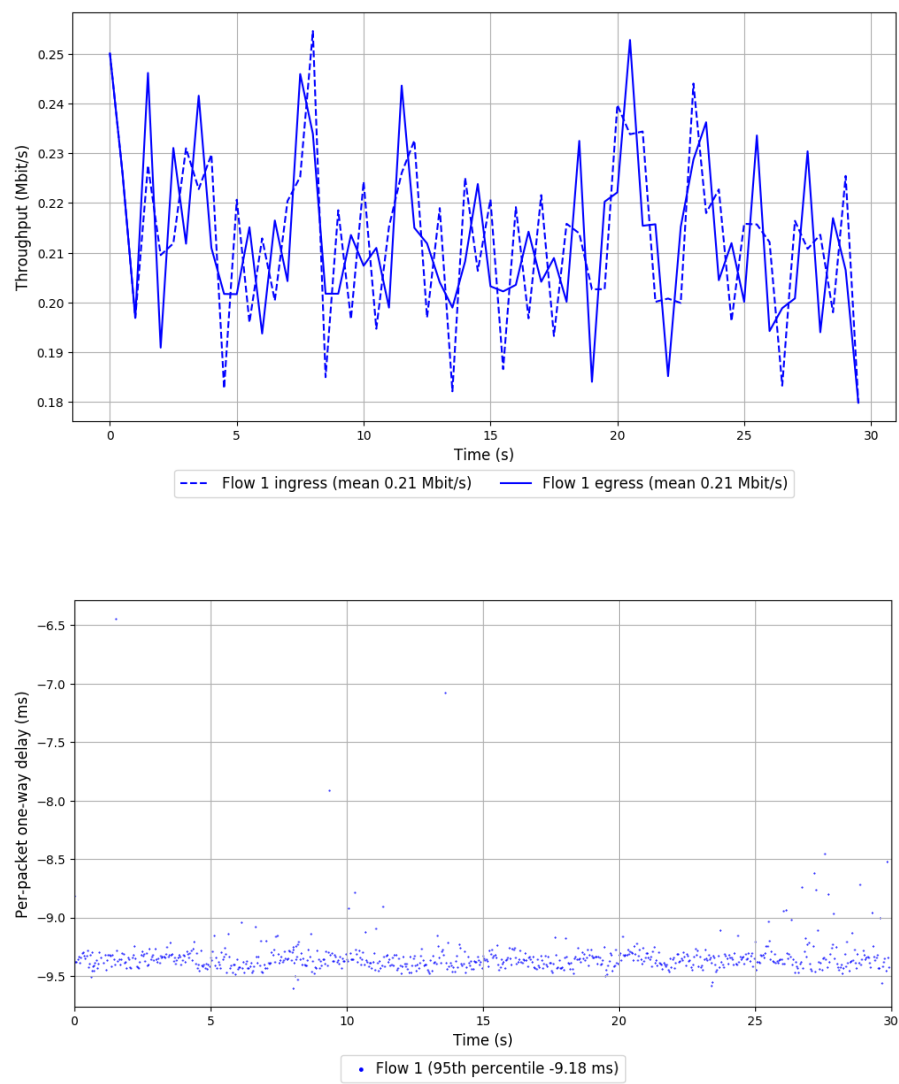


Run 7: Statistics of SCReAM

Start at: 2018-02-02 14:59:36
End at: 2018-02-02 15:00:06
Local clock offset: 5.038 ms
Remote clock offset: -18.891 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.177 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

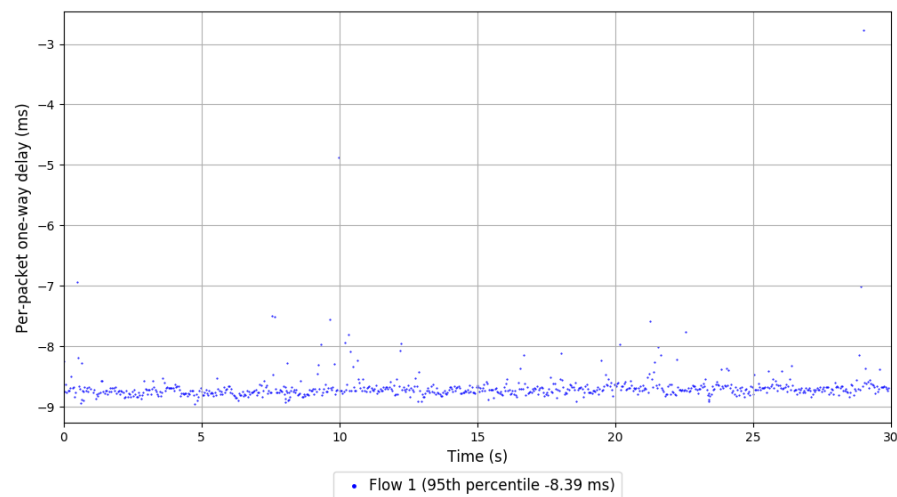
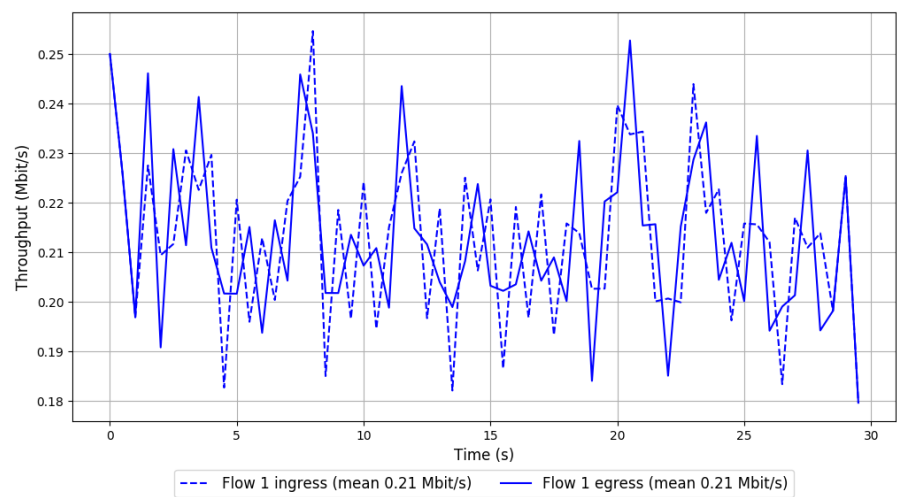


Run 8: Statistics of SCReAM

Start at: 2018-02-02 15:21:29
End at: 2018-02-02 15:21:59
Local clock offset: 4.289 ms
Remote clock offset: -20.442 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.395 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

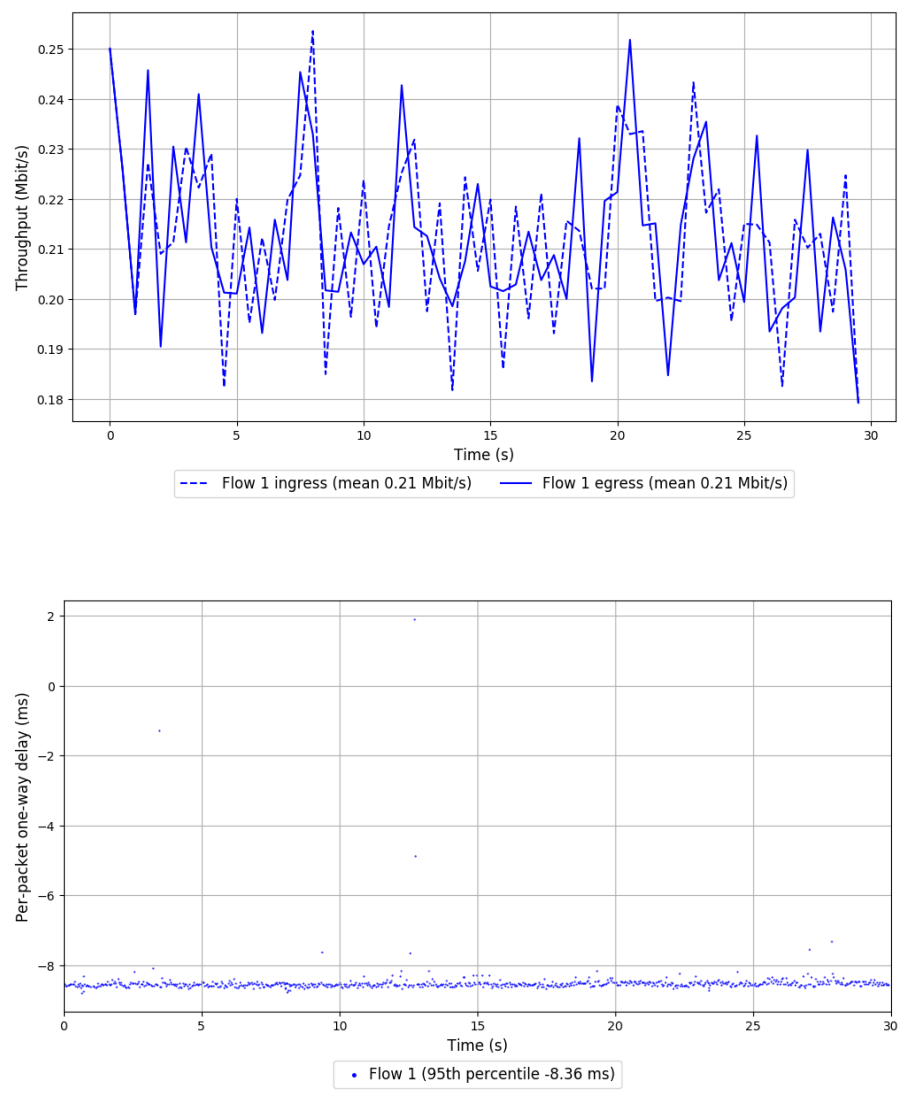


Run 9: Statistics of SCReAM

Start at: 2018-02-02 15:43:15
End at: 2018-02-02 15:43:45
Local clock offset: 4.083 ms
Remote clock offset: -23.193 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.360 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

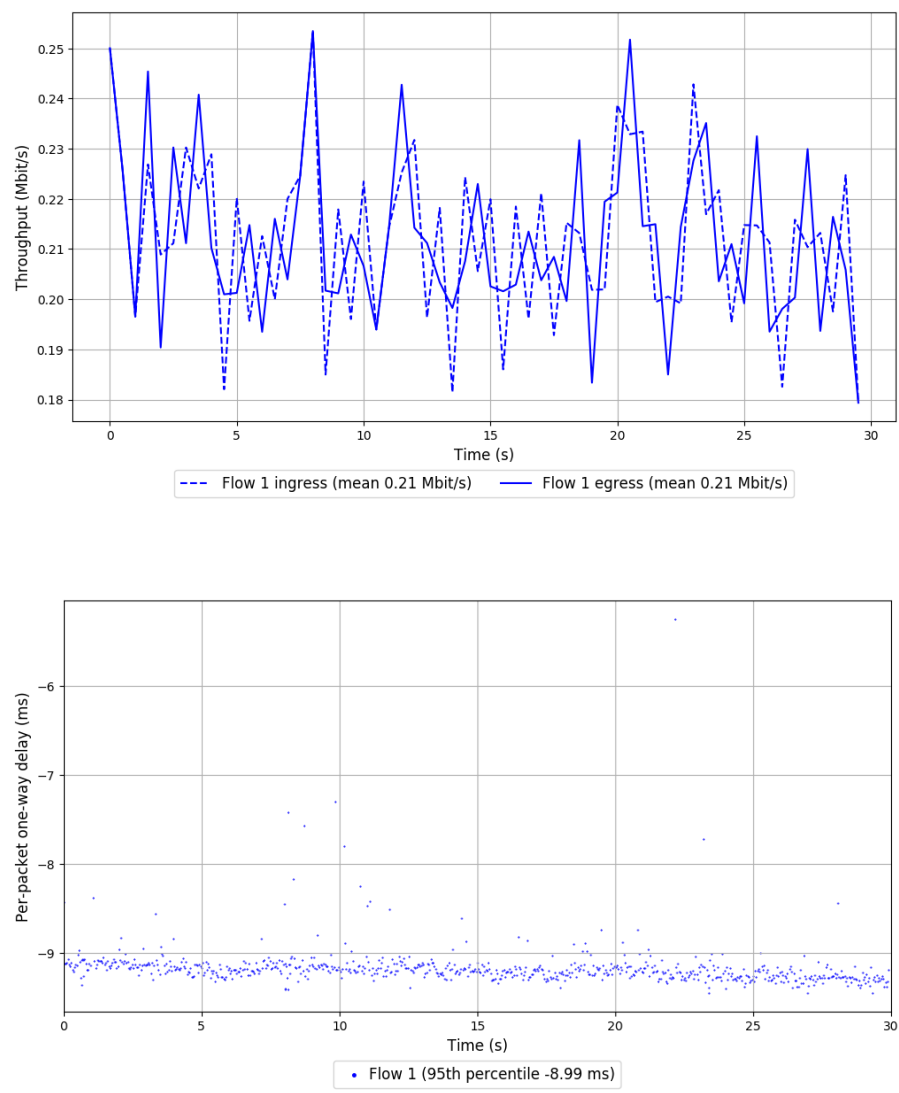


Run 10: Statistics of SReAM

Start at: 2018-02-02 16:05:03
End at: 2018-02-02 16:05:33
Local clock offset: 5.671 ms
Remote clock offset: -20.606 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.987 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

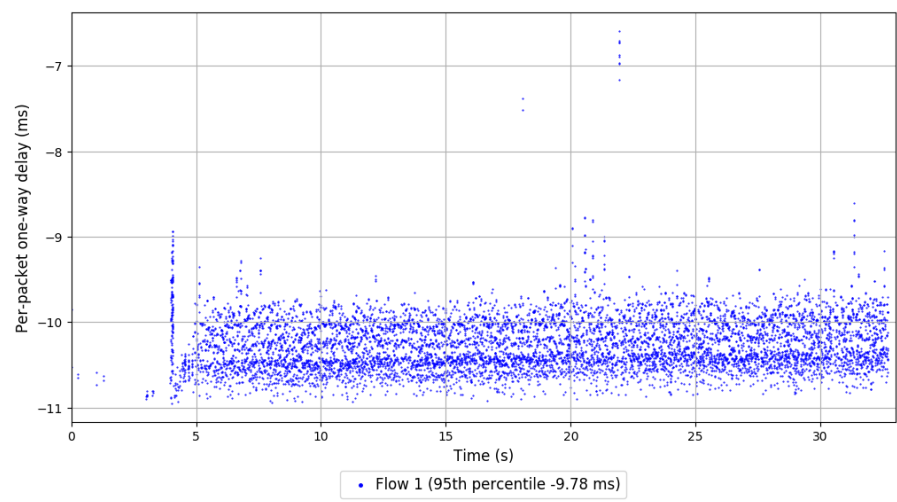
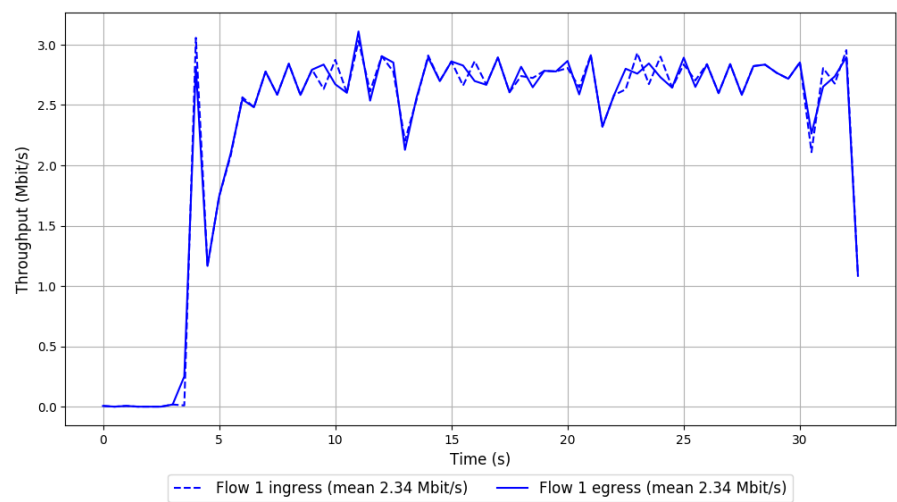


Run 1: Statistics of WebRTC media

Start at: 2018-02-02 12:45:14
End at: 2018-02-02 12:45:44
Local clock offset: 2.867 ms
Remote clock offset: -23.421 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -9.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -9.778 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

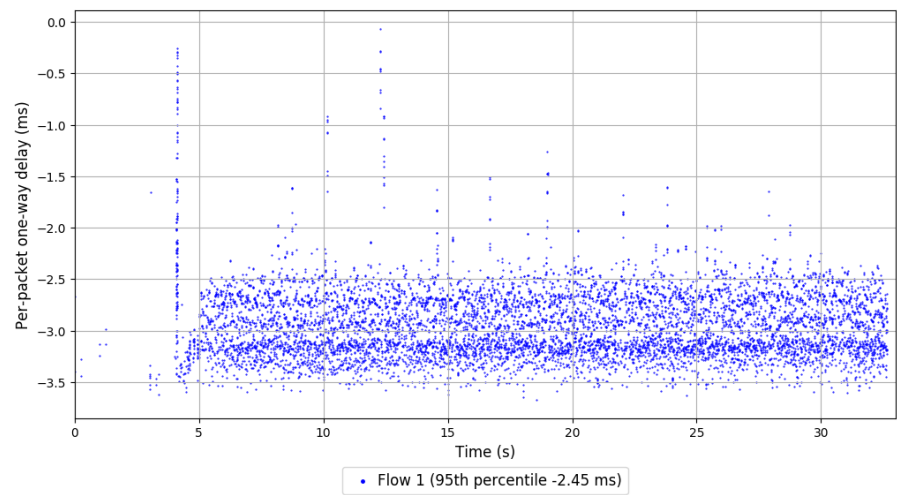
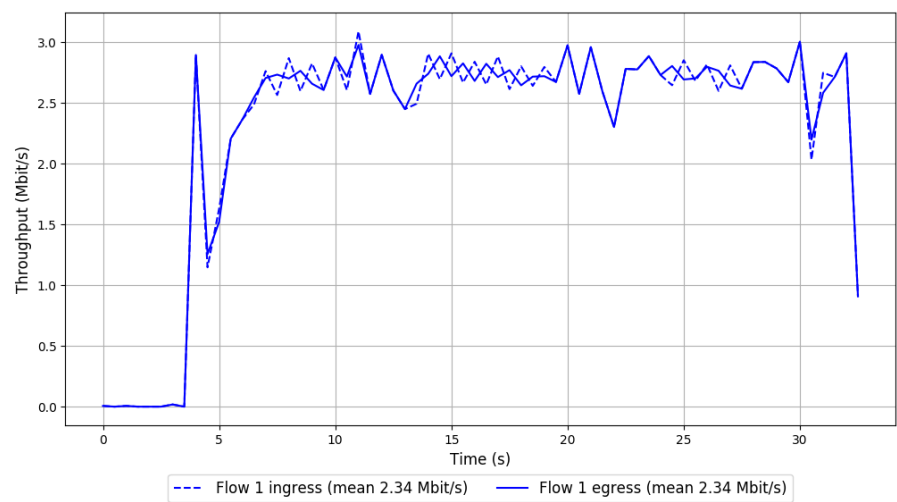


Run 2: Statistics of WebRTC media

Start at: 2018-02-02 13:06:55
End at: 2018-02-02 13:07:25
Local clock offset: 0.294 ms
Remote clock offset: -20.884 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.450 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

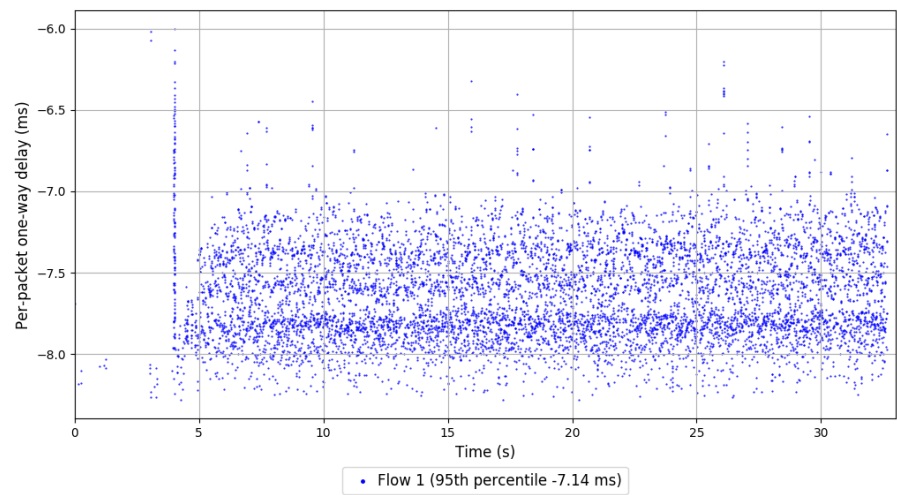
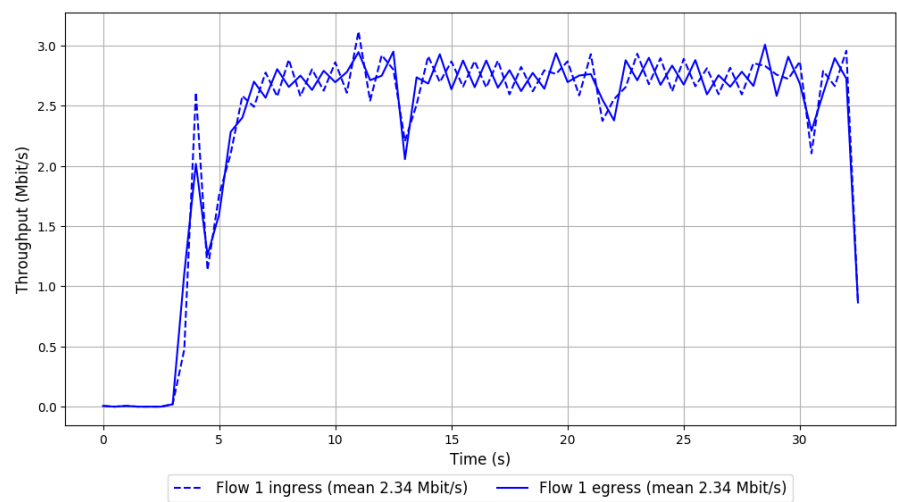


Run 3: Statistics of WebRTC media

Start at: 2018-02-02 13:29:16
End at: 2018-02-02 13:29:46
Local clock offset: 4.713 ms
Remote clock offset: -23.936 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -7.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -7.144 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

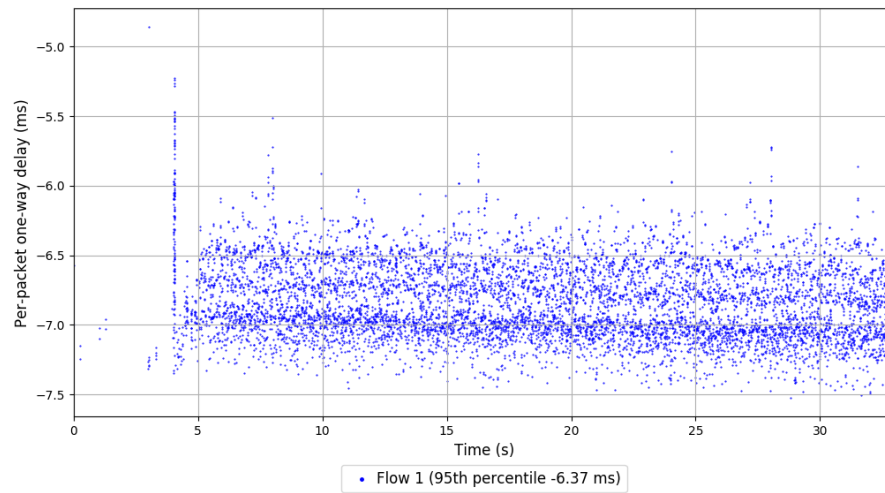
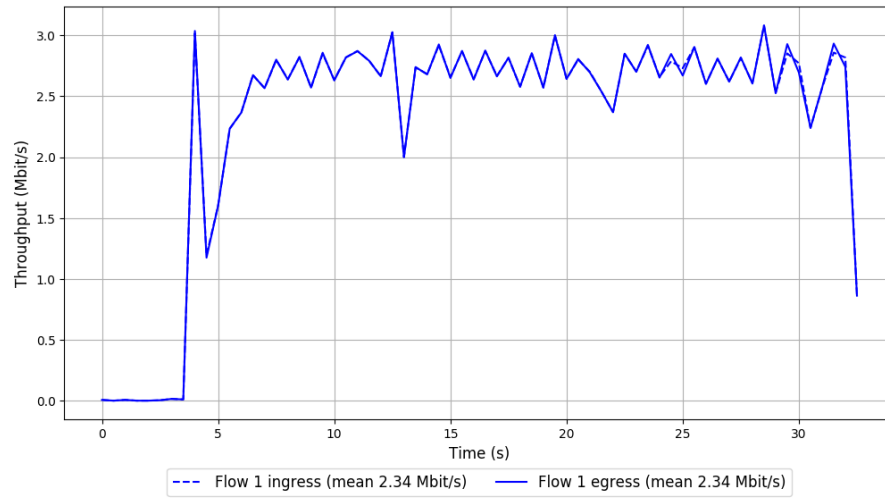


Run 4: Statistics of WebRTC media

Start at: 2018-02-02 13:51:02
End at: 2018-02-02 13:51:32
Local clock offset: 3.19 ms
Remote clock offset: -20.076 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -6.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -6.374 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

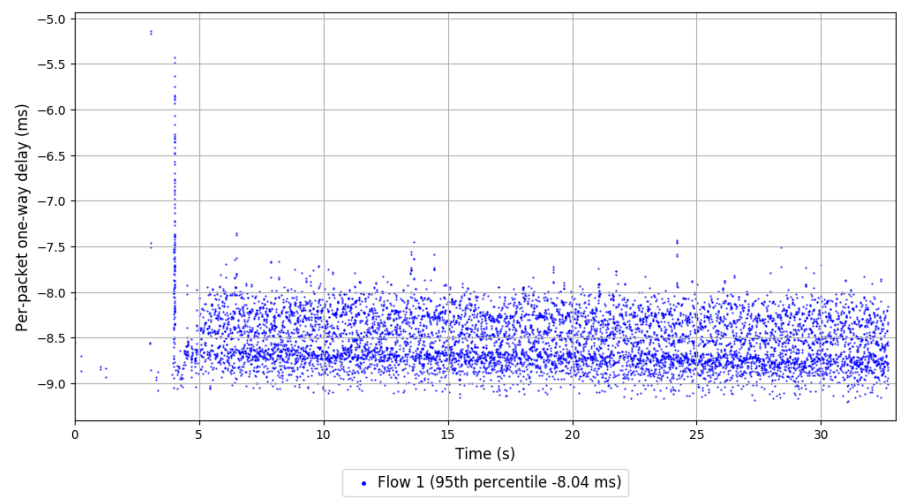
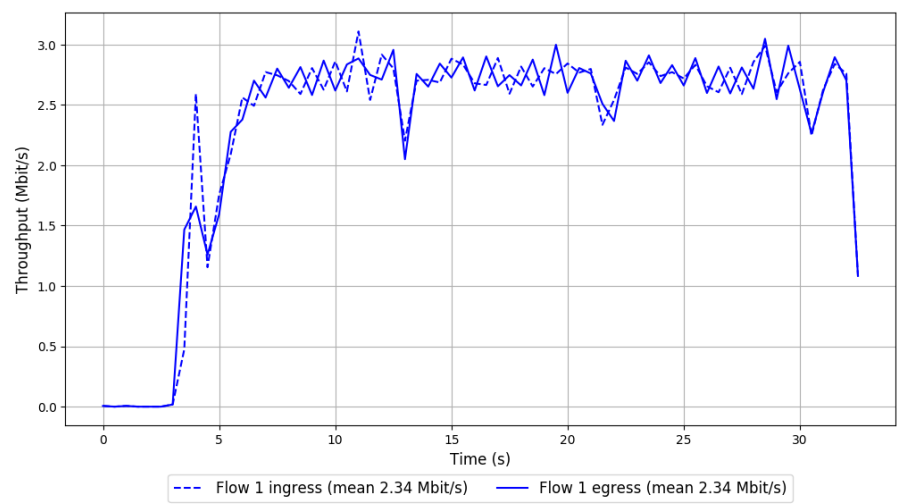


Run 5: Statistics of WebRTC media

Start at: 2018-02-02 14:12:38
End at: 2018-02-02 14:13:08
Local clock offset: 3.099 ms
Remote clock offset: -17.858 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -8.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -8.038 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

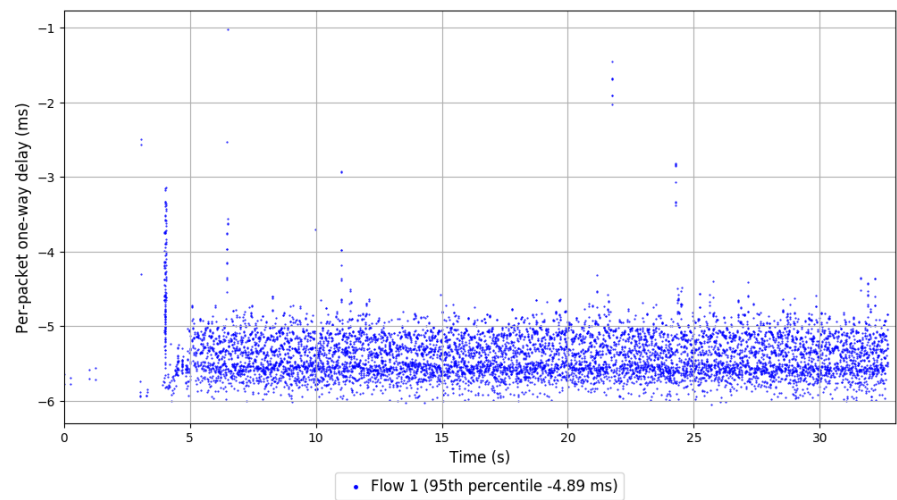
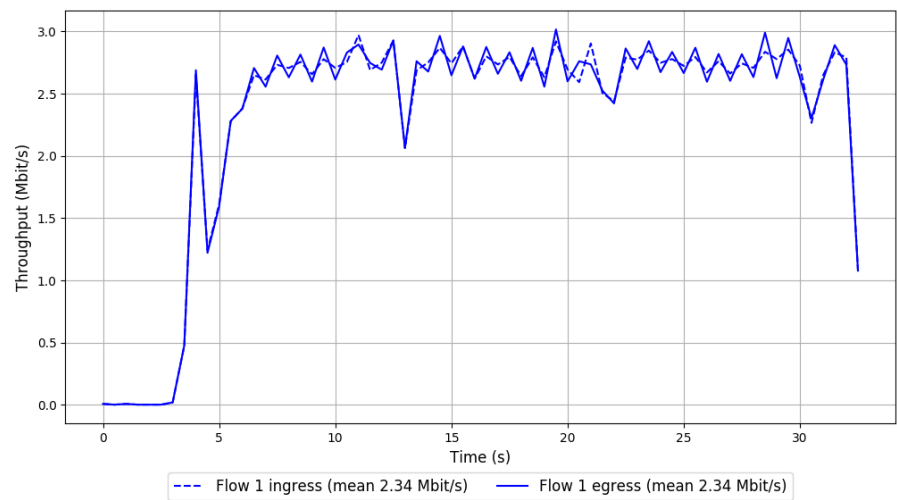


Run 6: Statistics of WebRTC media

Start at: 2018-02-02 14:34:22
End at: 2018-02-02 14:34:52
Local clock offset: 1.323 ms
Remote clock offset: -14.872 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.889 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

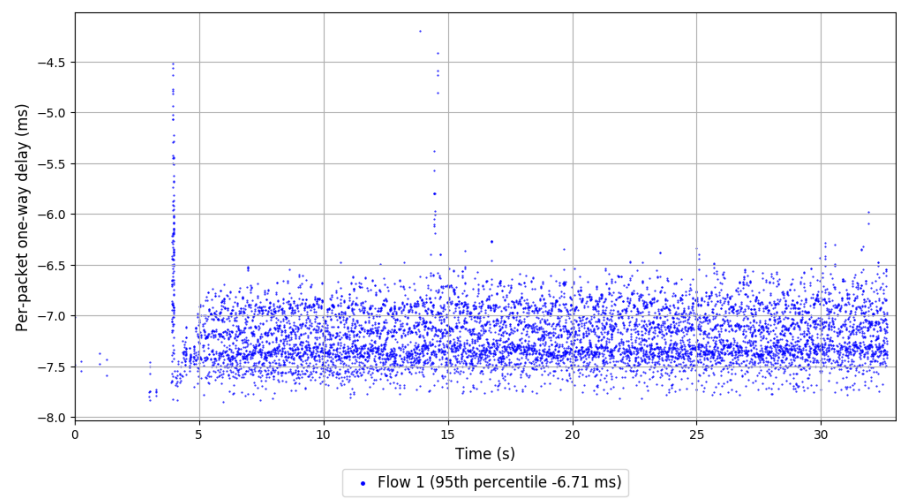
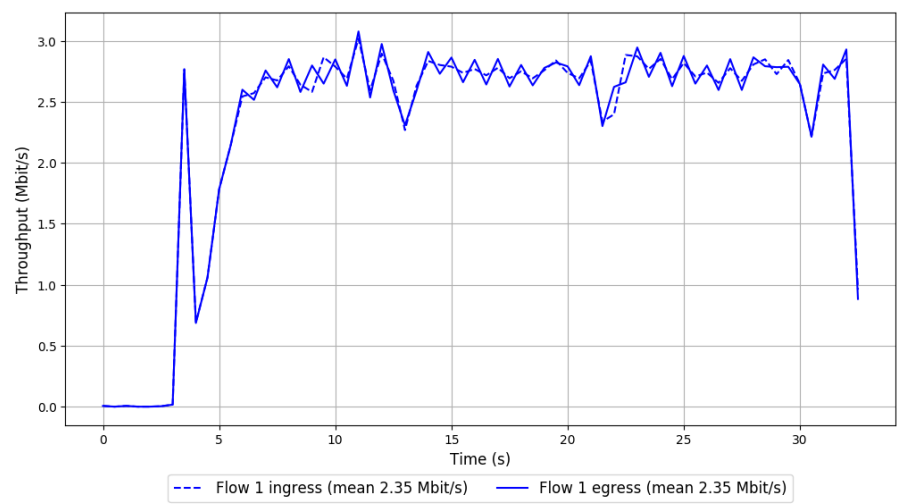


Run 7: Statistics of WebRTC media

Start at: 2018-02-02 14:56:05
End at: 2018-02-02 14:56:35
Local clock offset: 2.834 ms
Remote clock offset: -18.949 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -6.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -6.715 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

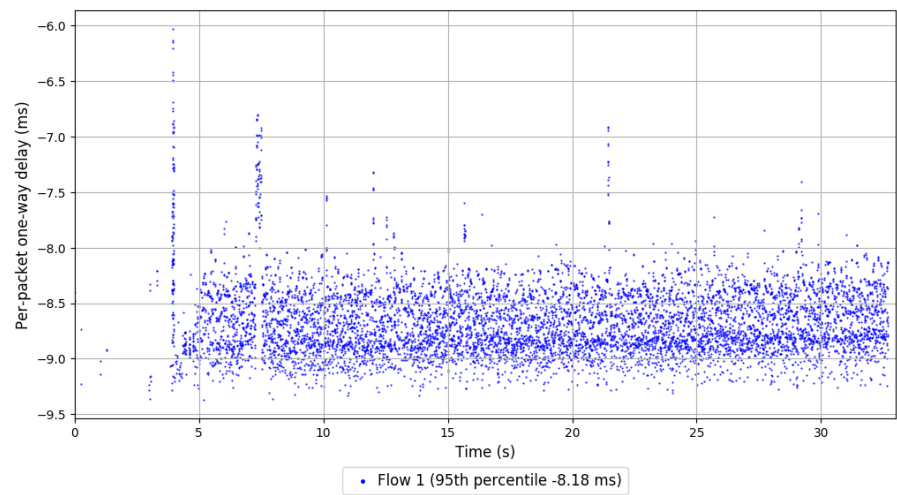
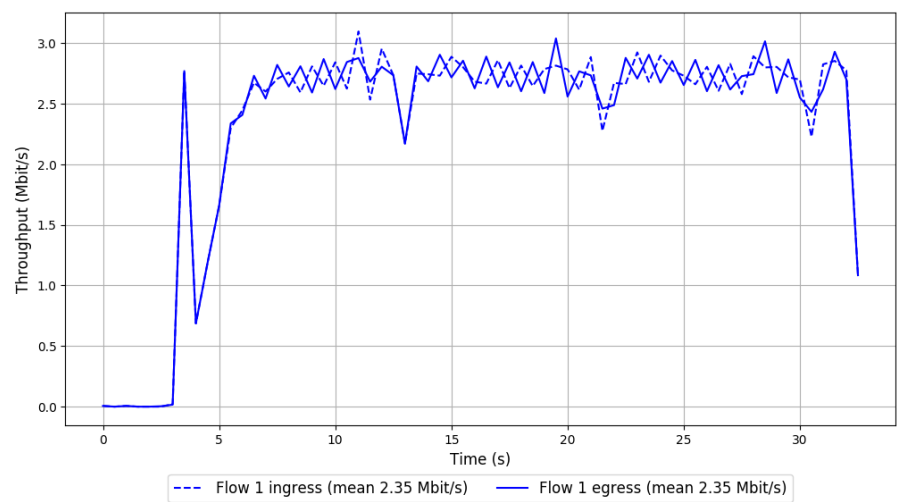


Run 8: Statistics of WebRTC media

Start at: 2018-02-02 15:17:54
End at: 2018-02-02 15:18:24
Local clock offset: 3.283 ms
Remote clock offset: -21.02 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -8.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -8.182 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

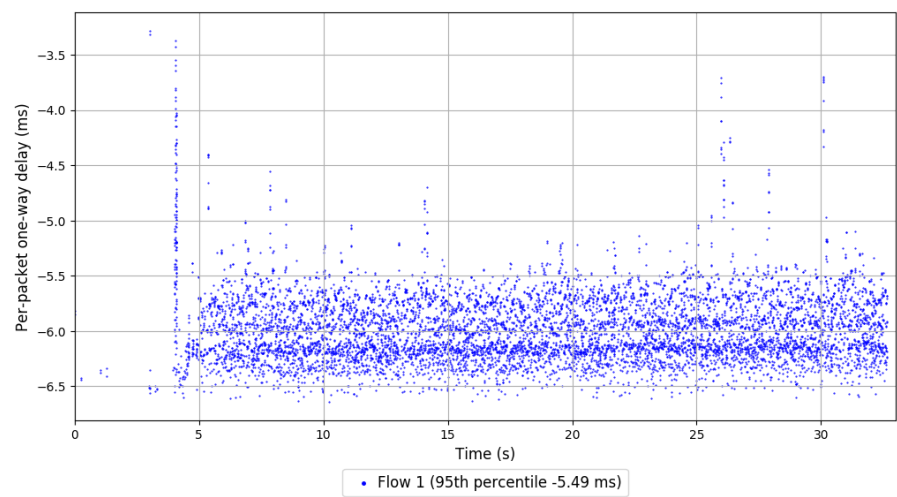
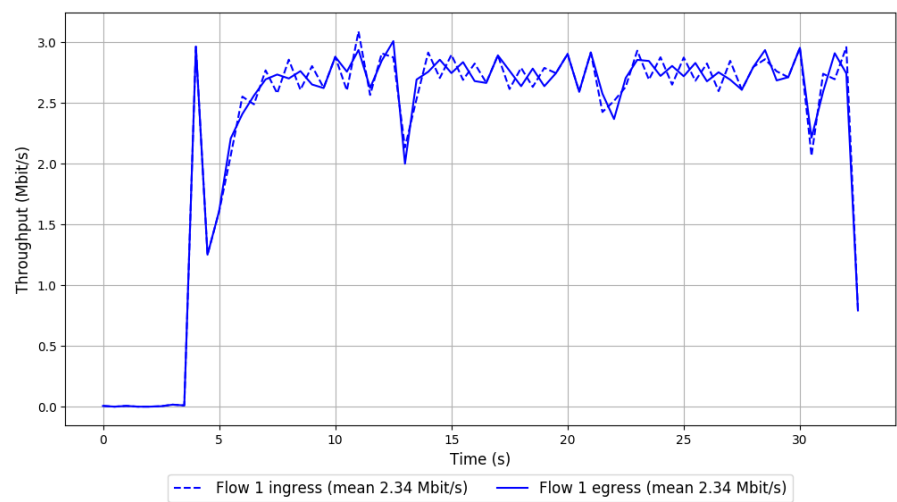


Run 9: Statistics of WebRTC media

Start at: 2018-02-02 15:39:45
End at: 2018-02-02 15:40:15
Local clock offset: 2.994 ms
Remote clock offset: -21.613 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.493 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-02 16:01:31

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

Local clock offset: 3.168 ms

Remote clock offset: -21.085 ms

Below is generated by plot.py at 2018-02-02 16:44:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: -6.067 ms

Loss rate: 0.00%

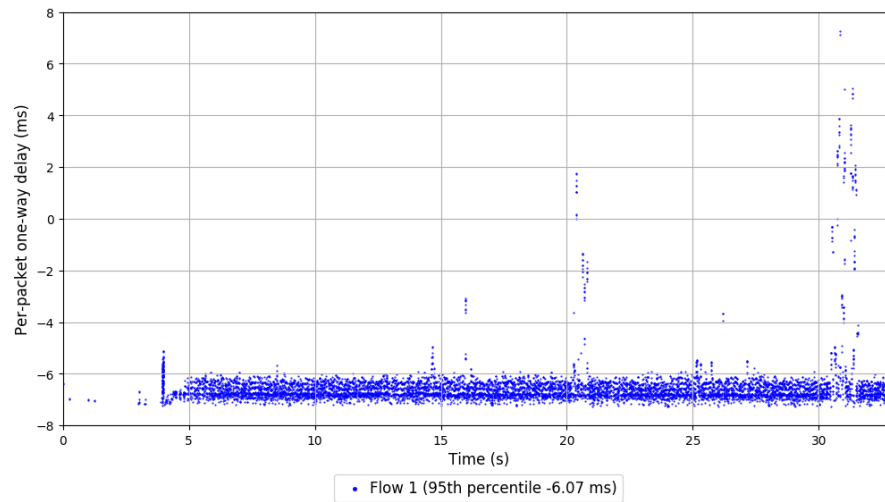
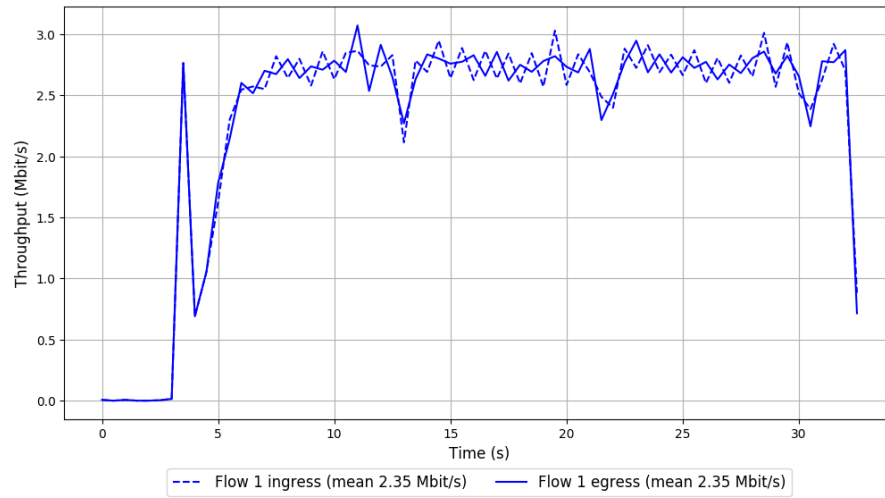
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: -6.067 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

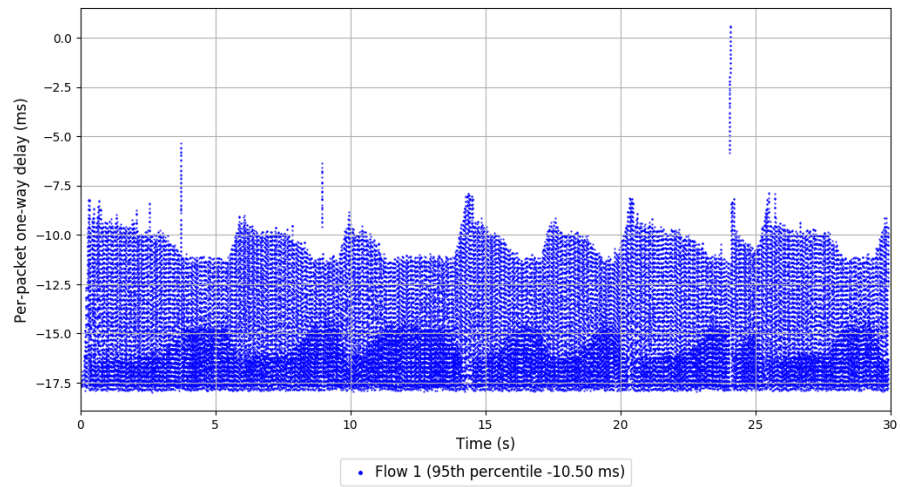
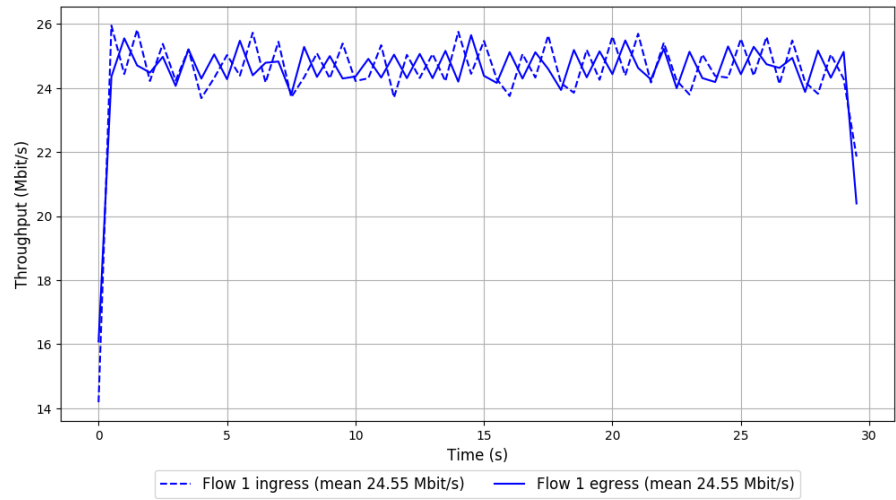


Run 1: Statistics of Sprout

Start at: 2018-02-02 12:35:27
End at: 2018-02-02 12:35:57
Local clock offset: -3.433 ms
Remote clock offset: -35.42 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: -10.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: -10.502 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

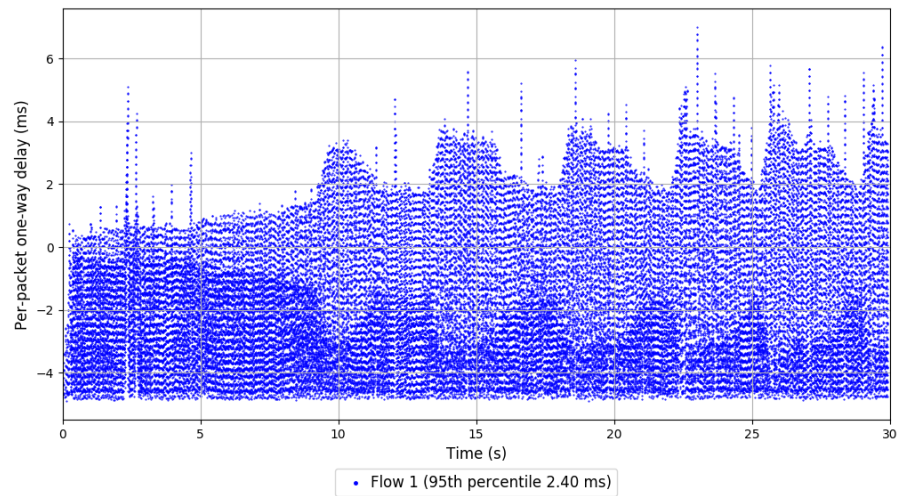
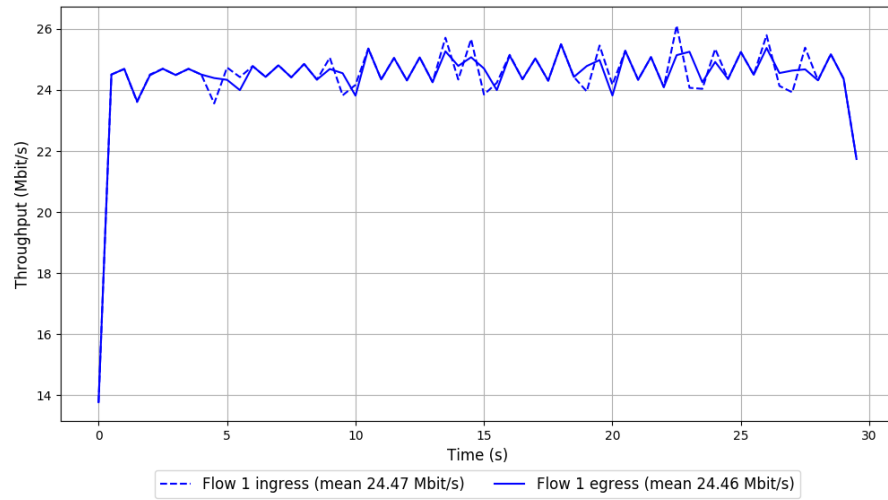


Run 2: Statistics of Sprout

Start at: 2018-02-02 12:57:25
End at: 2018-02-02 12:57:55
Local clock offset: 0.76 ms
Remote clock offset: -21.17 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 2.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 2.402 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

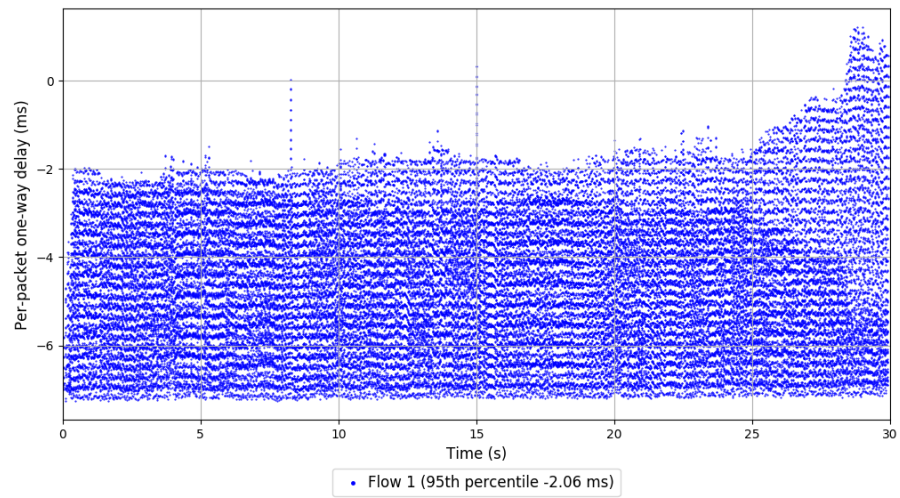
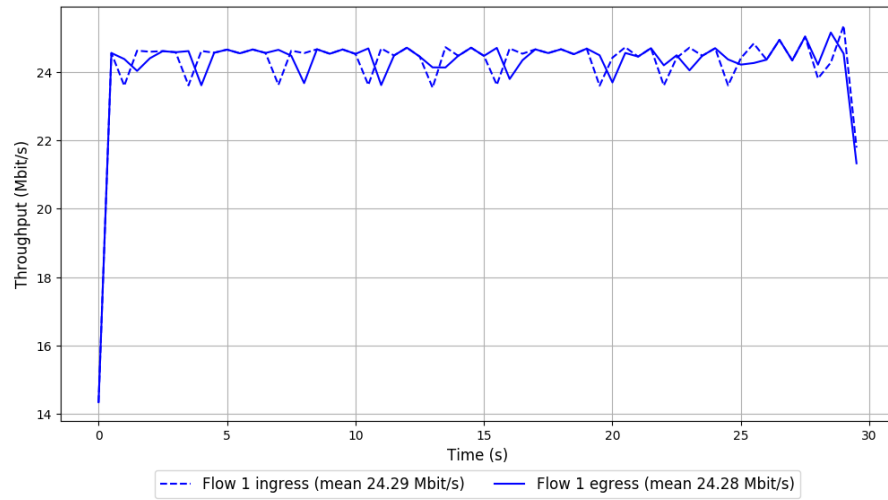


Run 3: Statistics of Sprout

Start at: 2018-02-02 13:19:18
End at: 2018-02-02 13:19:49
Local clock offset: 3.124 ms
Remote clock offset: -23.399 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: -2.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: -2.056 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

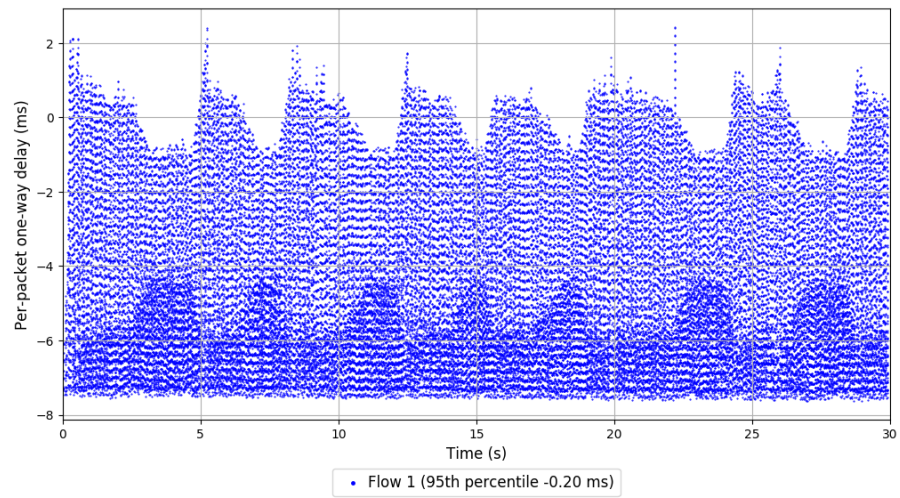
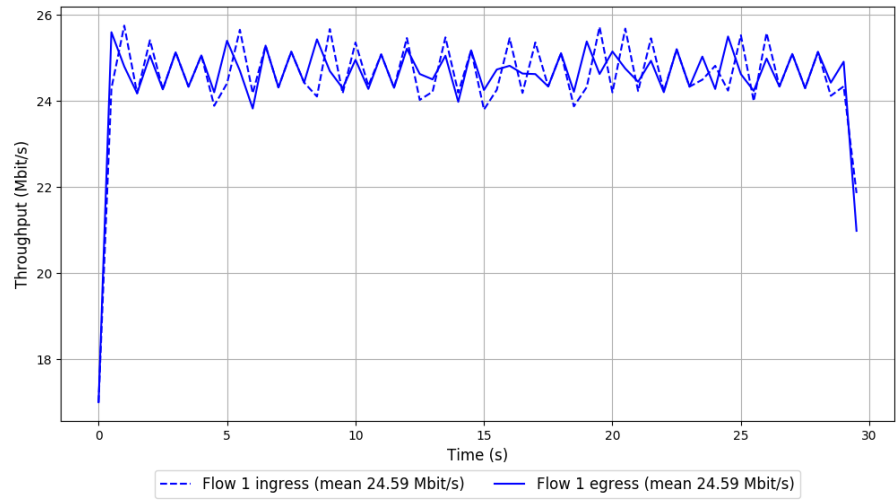


Run 4: Statistics of Sprout

Start at: 2018-02-02 13:41:23
End at: 2018-02-02 13:41:53
Local clock offset: 2.378 ms
Remote clock offset: -23.583 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: -0.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: -0.198 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

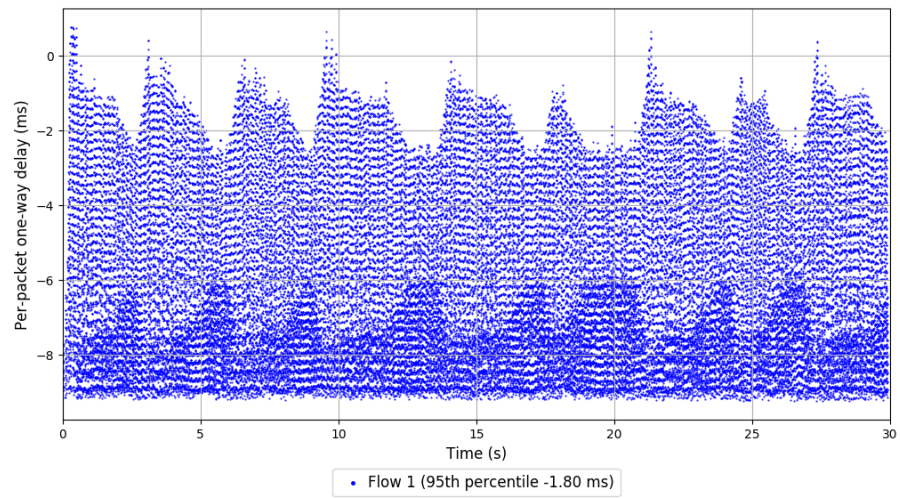
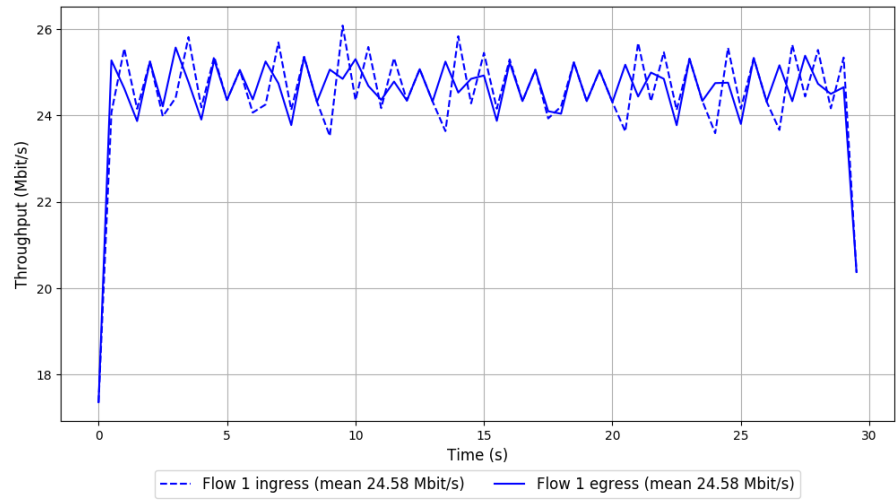


Run 5: Statistics of Sprout

Start at: 2018-02-02 14:03:02
End at: 2018-02-02 14:03:32
Local clock offset: 3.225 ms
Remote clock offset: -19.924 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: -1.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: -1.796 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

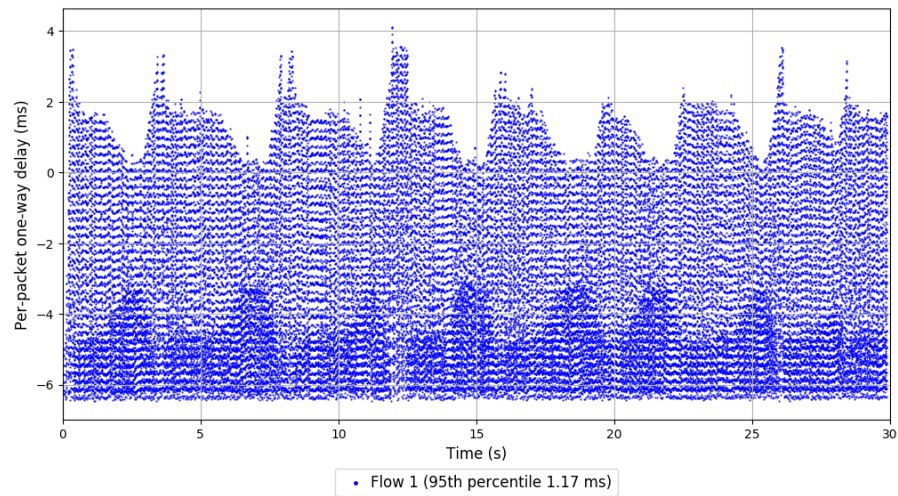
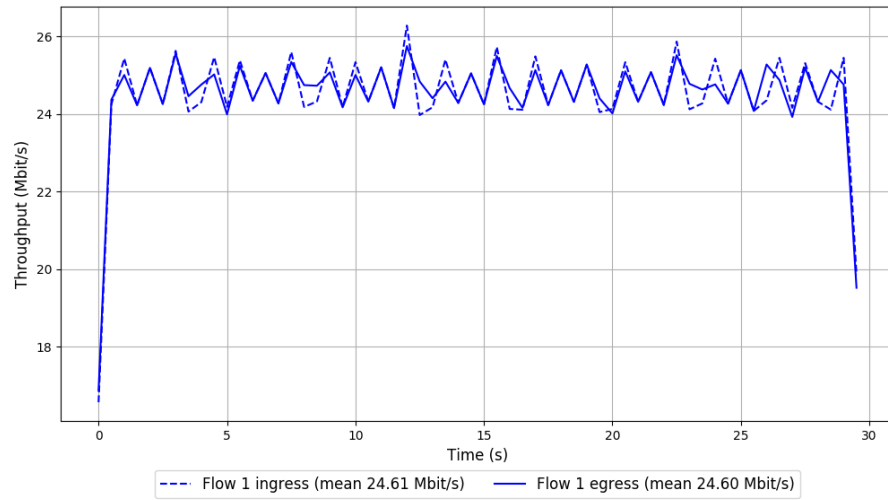


Run 6: Statistics of Sprout

Start at: 2018-02-02 14:24:37
End at: 2018-02-02 14:25:07
Local clock offset: 0.982 ms
Remote clock offset: -15.832 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

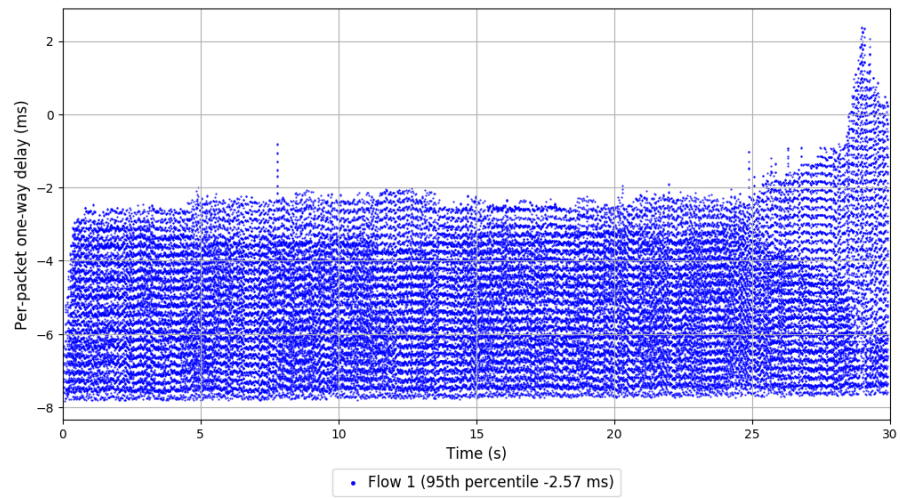
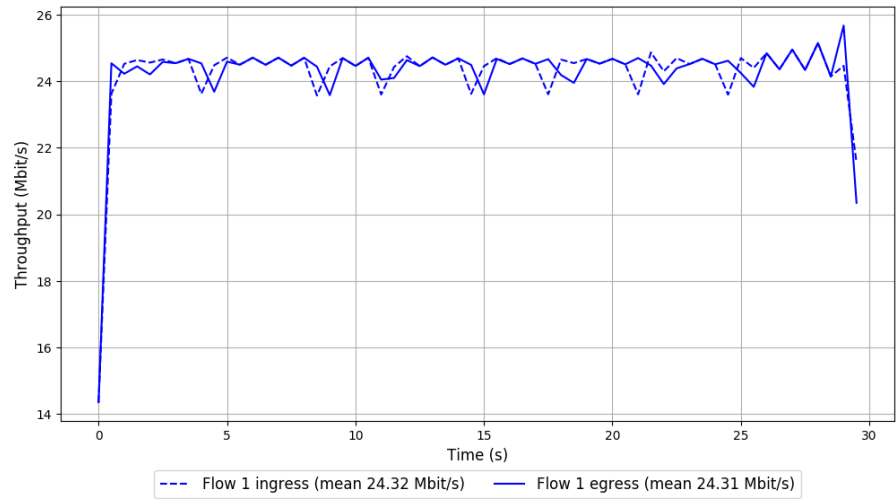


Run 7: Statistics of Sprout

Start at: 2018-02-02 14:46:29
End at: 2018-02-02 14:46:59
Local clock offset: 3.018 ms
Remote clock offset: -17.036 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: -2.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: -2.570 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

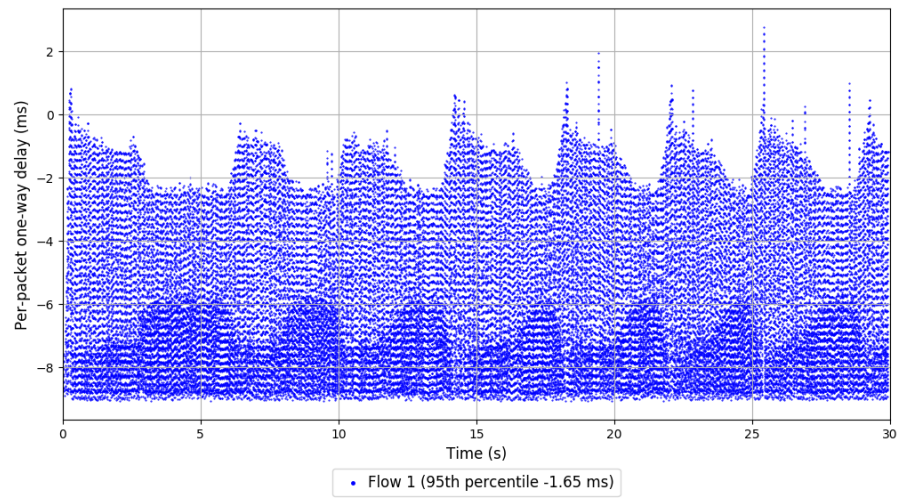
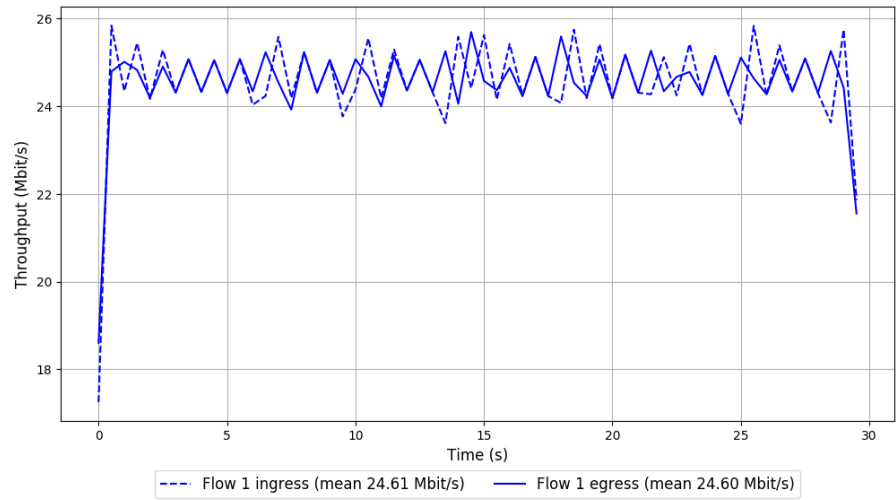


Run 8: Statistics of Sprout

Start at: 2018-02-02 15:08:11
End at: 2018-02-02 15:08:41
Local clock offset: 4.301 ms
Remote clock offset: -19.392 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: -1.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: -1.649 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

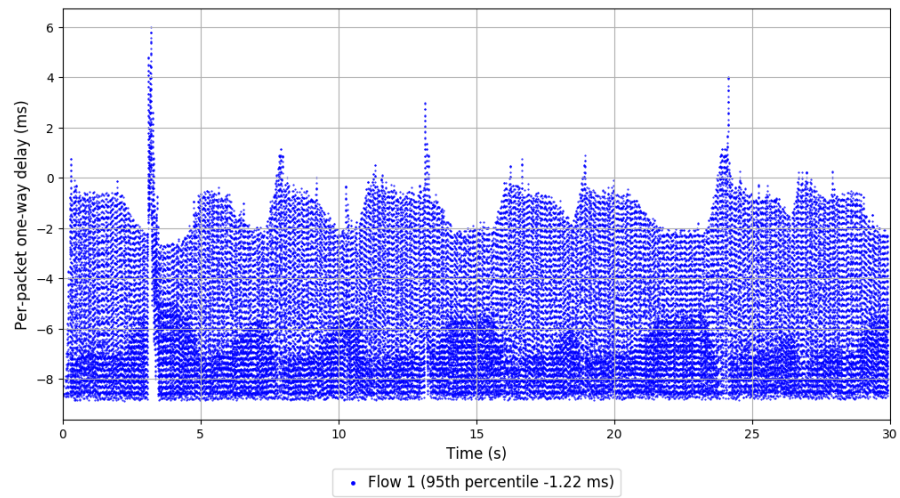
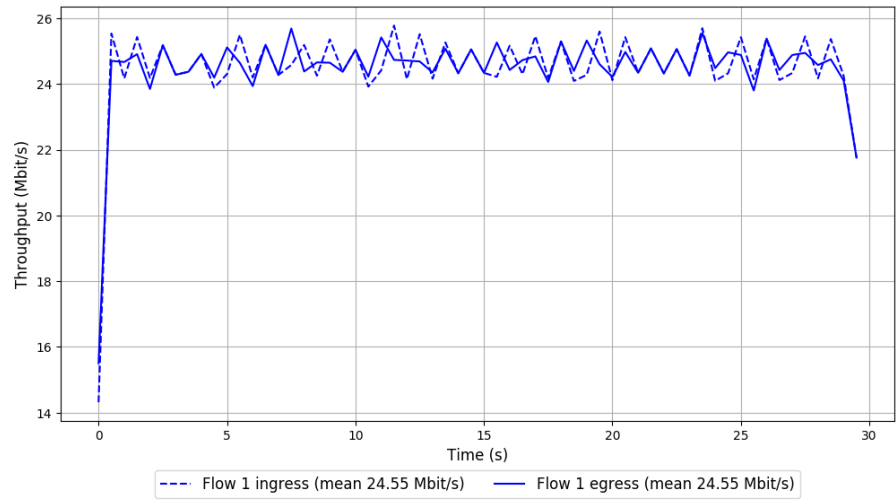


Run 9: Statistics of Sprout

Start at: 2018-02-02 15:30:03
End at: 2018-02-02 15:30:33
Local clock offset: 2.945 ms
Remote clock offset: -22.977 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: -1.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: -1.222 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

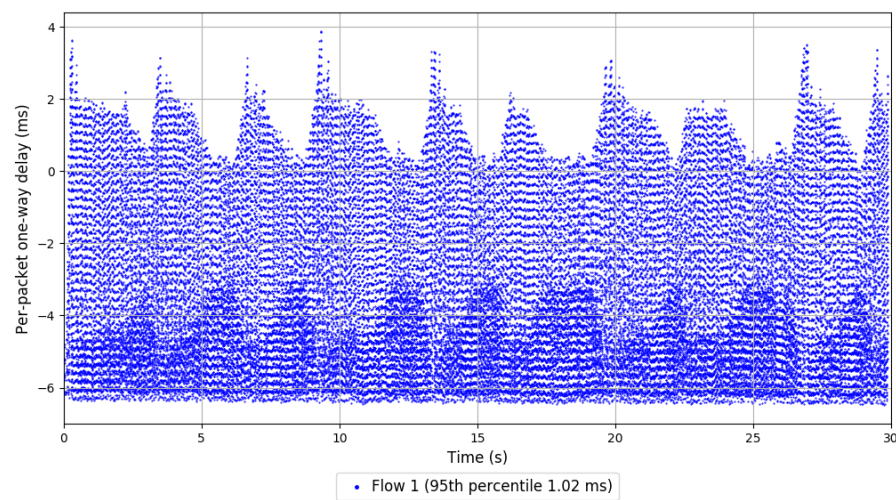
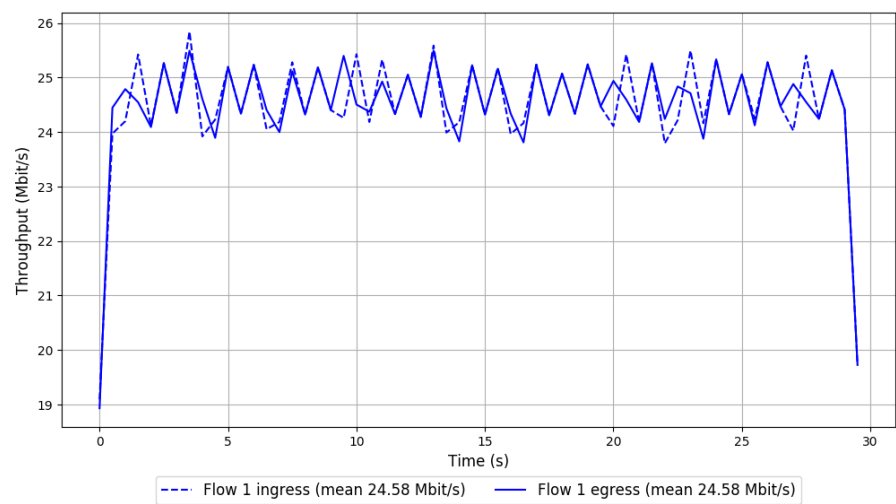


Run 10: Statistics of Sprout

Start at: 2018-02-02 15:51:49
End at: 2018-02-02 15:52:19
Local clock offset: 3.142 ms
Remote clock offset: -21.998 ms

Below is generated by plot.py at 2018-02-02 16:44:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.01%

Run 10: Report of Sprout — Data Link

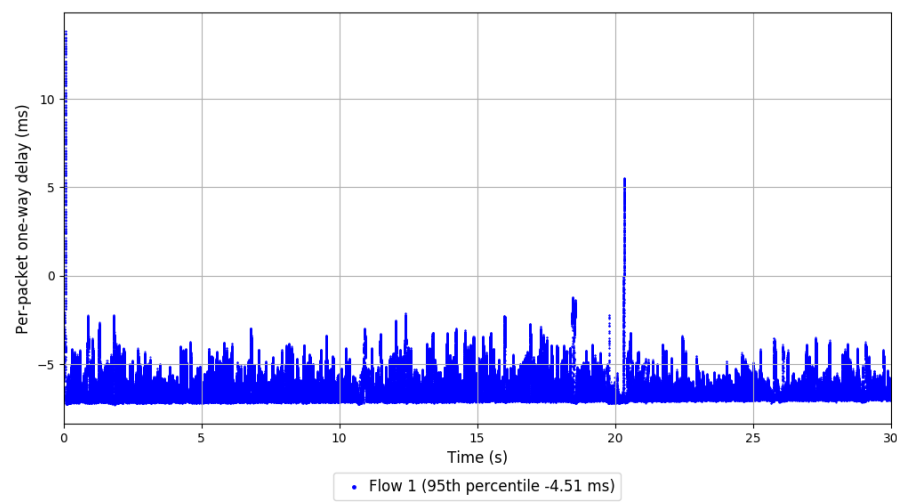
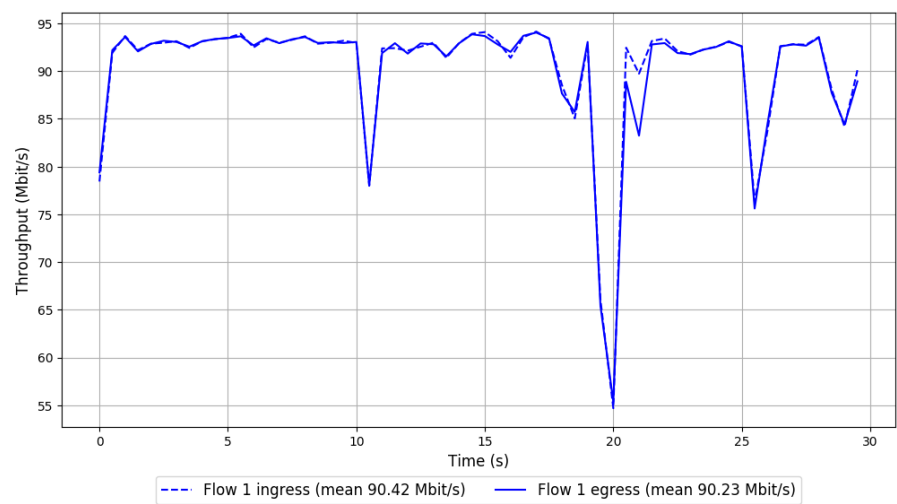


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-02 12:41:32
End at: 2018-02-02 12:42:02
Local clock offset: -0.631 ms
Remote clock offset: -22.457 ms

# Below is generated by plot.py at 2018-02-02 16:46:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: -4.513 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: -4.513 ms
Loss rate: 0.21%
```

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

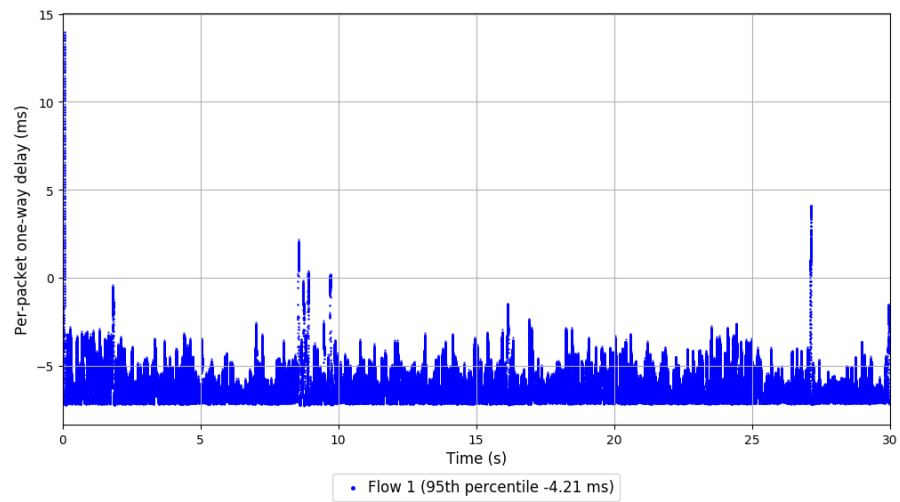
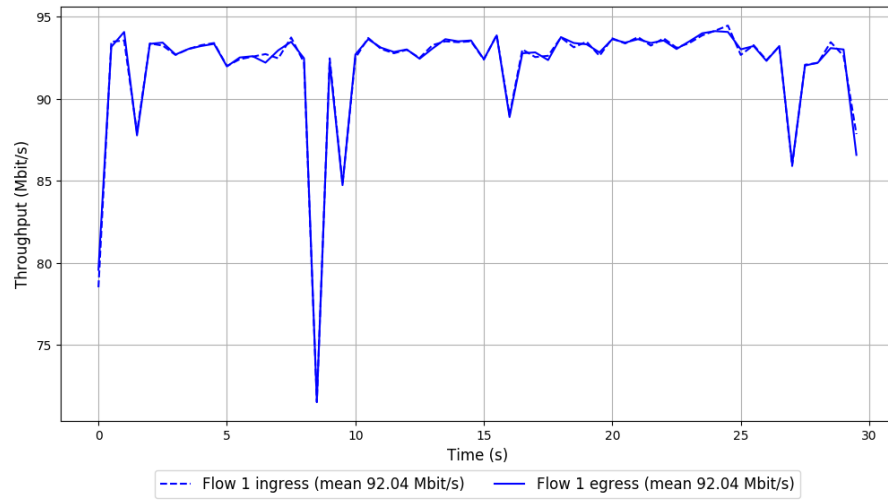


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-02 13:03:18
End at: 2018-02-02 13:03:48
Local clock offset: 2.386 ms
Remote clock offset: -22.394 ms

Below is generated by plot.py at 2018-02-02 16:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: -4.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: -4.212 ms
Loss rate: 0.00%

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

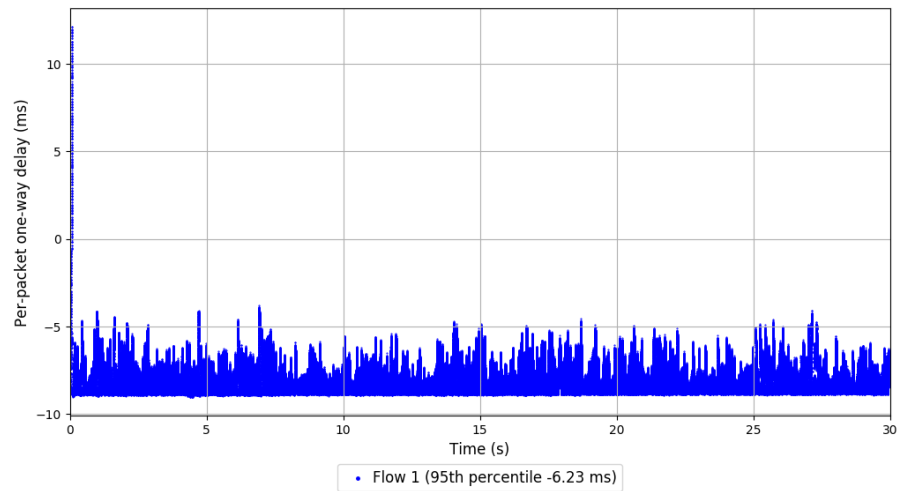
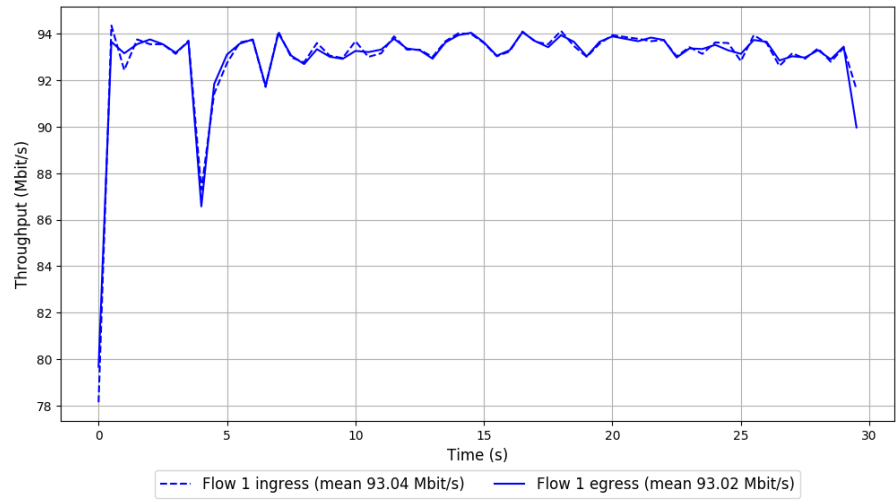


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-02 13:25:18
End at: 2018-02-02 13:25:48
Local clock offset: 3.906 ms
Remote clock offset: -25.241 ms

Below is generated by plot.py at 2018-02-02 16:46:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: -6.226 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: -6.226 ms
Loss rate: 0.01%

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

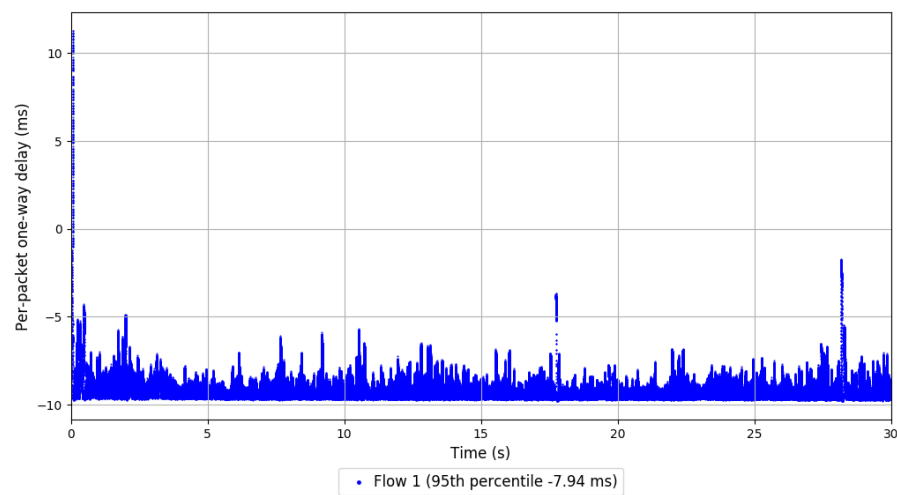
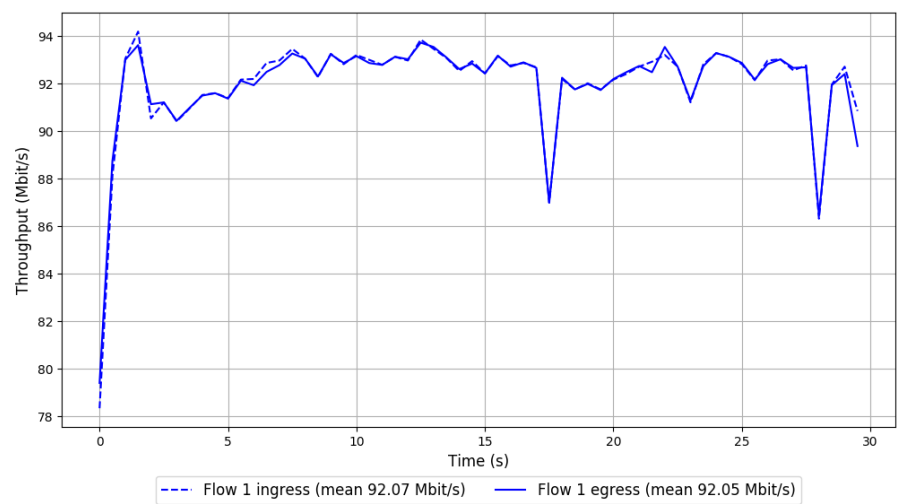


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-02 13:47:22
End at: 2018-02-02 13:47:52
Local clock offset: 6.432 ms
Remote clock offset: -20.525 ms

Below is generated by plot.py at 2018-02-02 16:46:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: -7.942 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: -7.942 ms
Loss rate: 0.02%

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

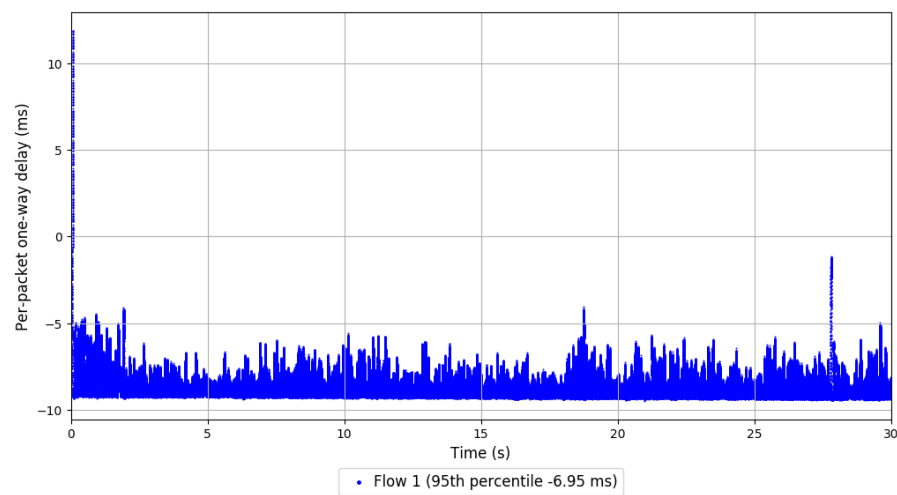
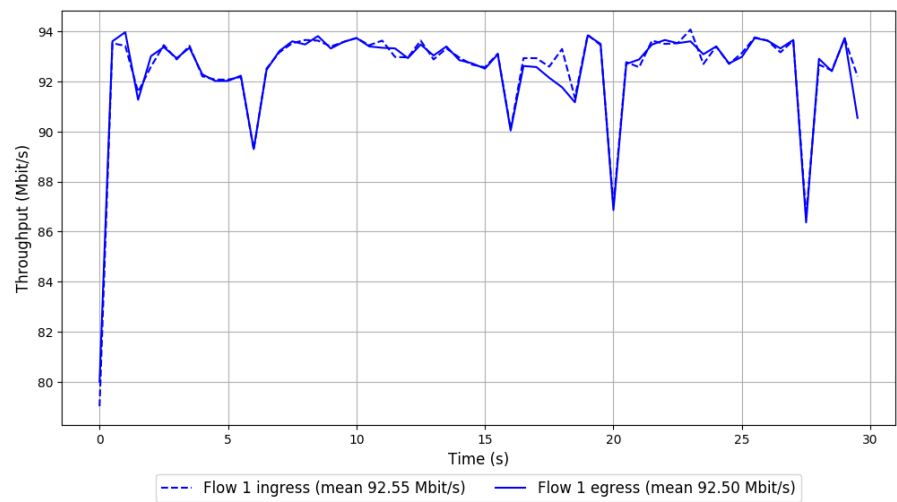


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-02 14:08:58
End at: 2018-02-02 14:09:28
Local clock offset: 2.926 ms
Remote clock offset: -19.534 ms

Below is generated by plot.py at 2018-02-02 16:46:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: -6.946 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: -6.946 ms
Loss rate: 0.05%

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

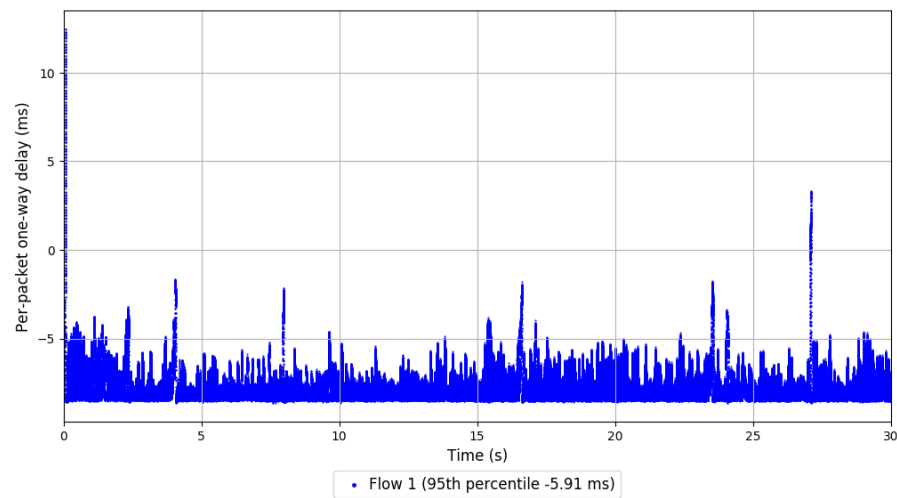
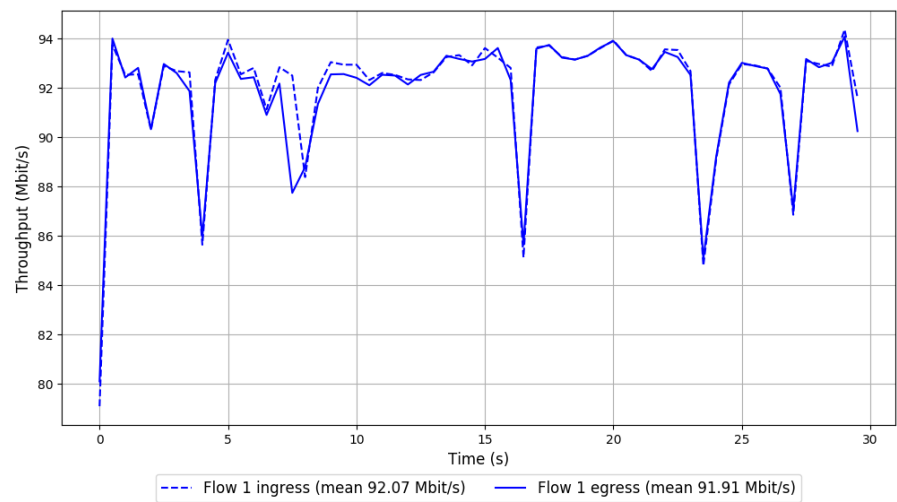


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-02 14:30:39
End at: 2018-02-02 14:31:09
Local clock offset: 2.884 ms
Remote clock offset: -16.229 ms

Below is generated by plot.py at 2018-02-02 16:46:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: -5.913 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: -5.913 ms
Loss rate: 0.17%

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

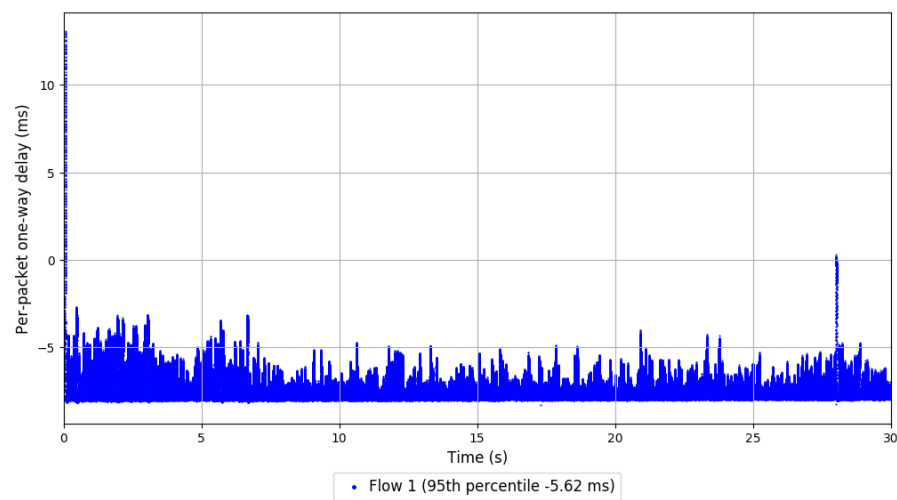
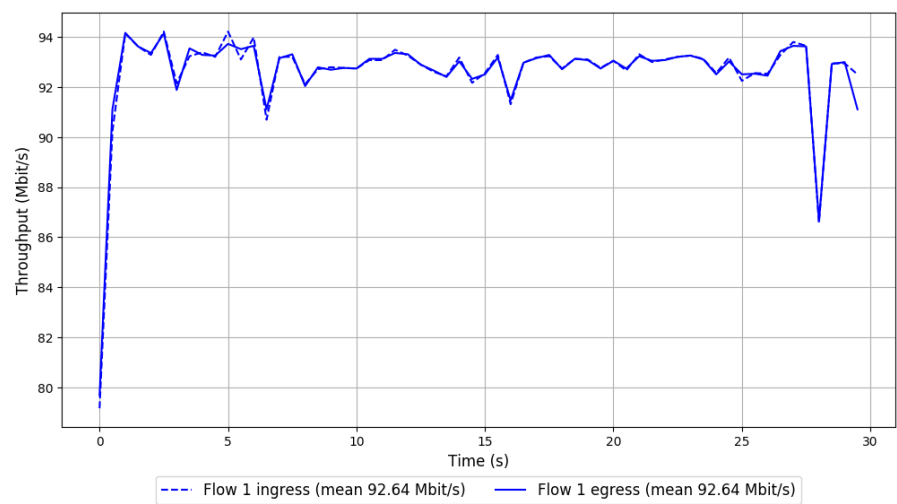


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-02 14:52:24
End at: 2018-02-02 14:52:54
Local clock offset: 2.613 ms
Remote clock offset: -19.162 ms

Below is generated by plot.py at 2018-02-02 16:46:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: -5.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: -5.615 ms
Loss rate: 0.00%

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

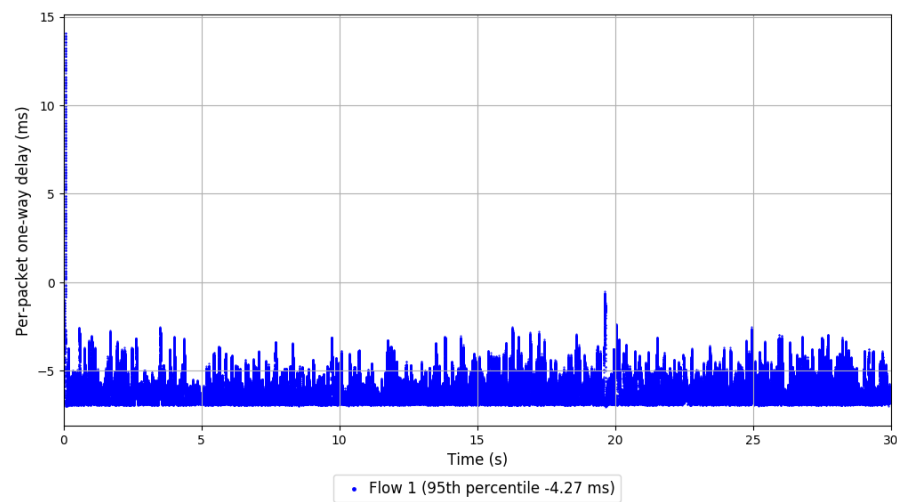
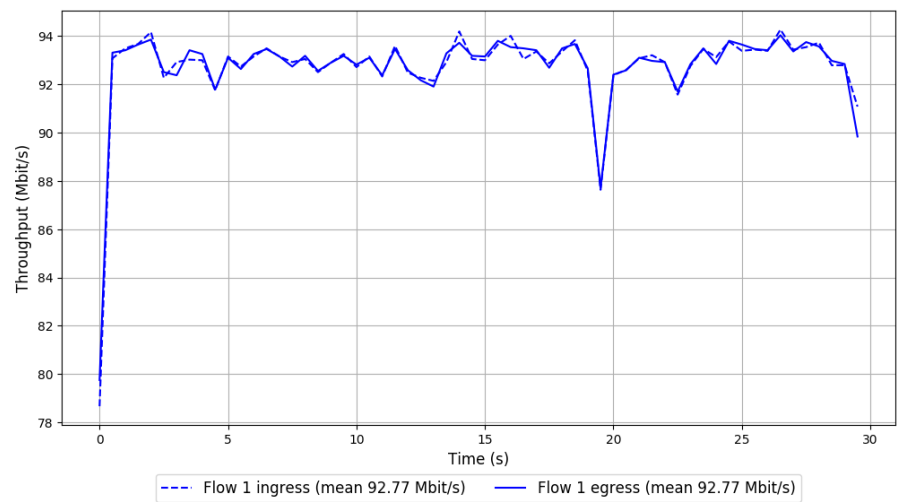


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-02 15:14:12
End at: 2018-02-02 15:14:42
Local clock offset: 3.103 ms
Remote clock offset: -18.601 ms

Below is generated by plot.py at 2018-02-02 16:46:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: -4.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: -4.274 ms
Loss rate: 0.00%

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

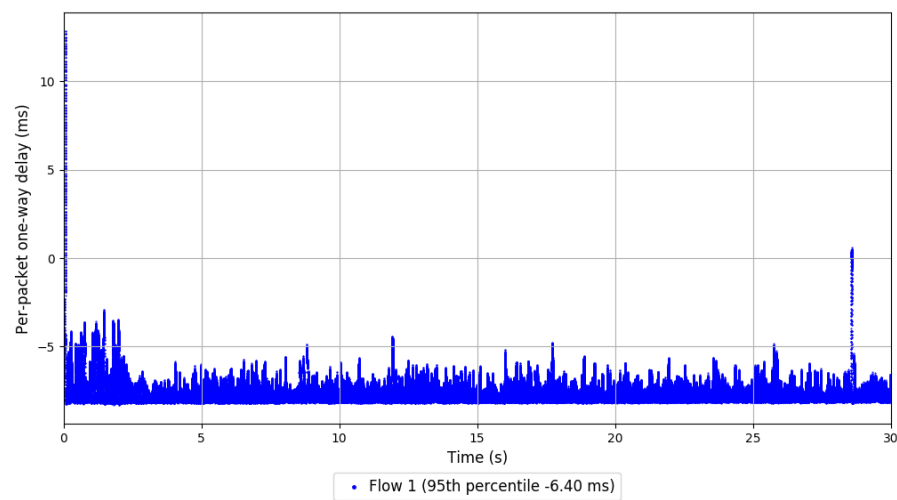
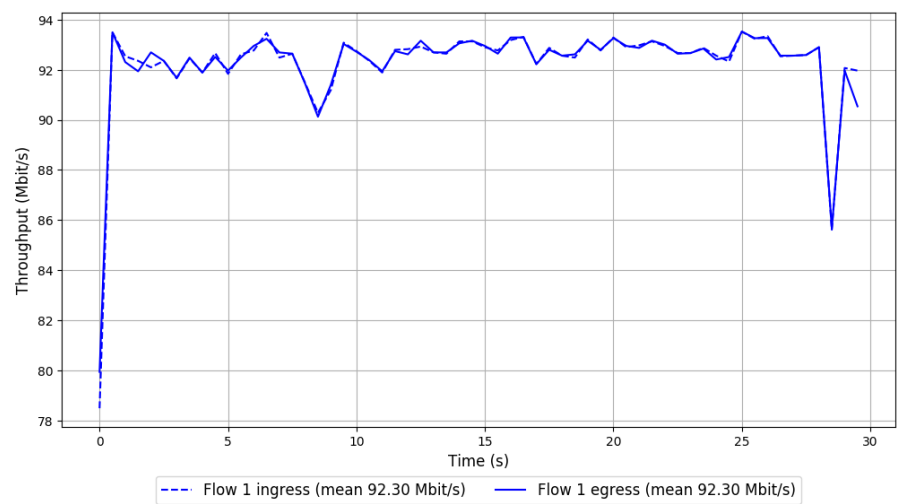


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-02 15:35:59
End at: 2018-02-02 15:36:29
Local clock offset: 3.935 ms
Remote clock offset: -22.185 ms

Below is generated by plot.py at 2018-02-02 16:48:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: -6.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: -6.403 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-02 15:57:46

End at: 2018-02-02 15:58:16

Local clock offset: 5.016 ms

Remote clock offset: -20.17 ms

Below is generated by plot.py at 2018-02-02 16:48:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.77 Mbit/s

95th percentile per-packet one-way delay: -4.651 ms

Loss rate: 0.00%

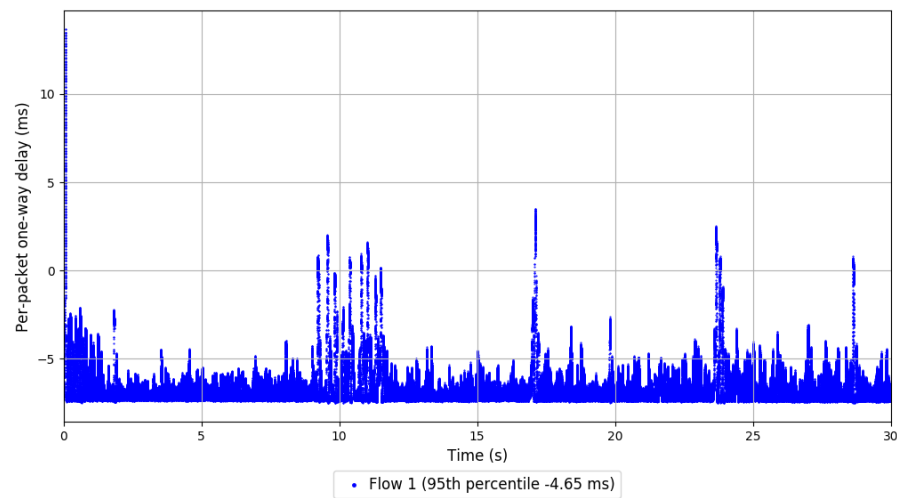
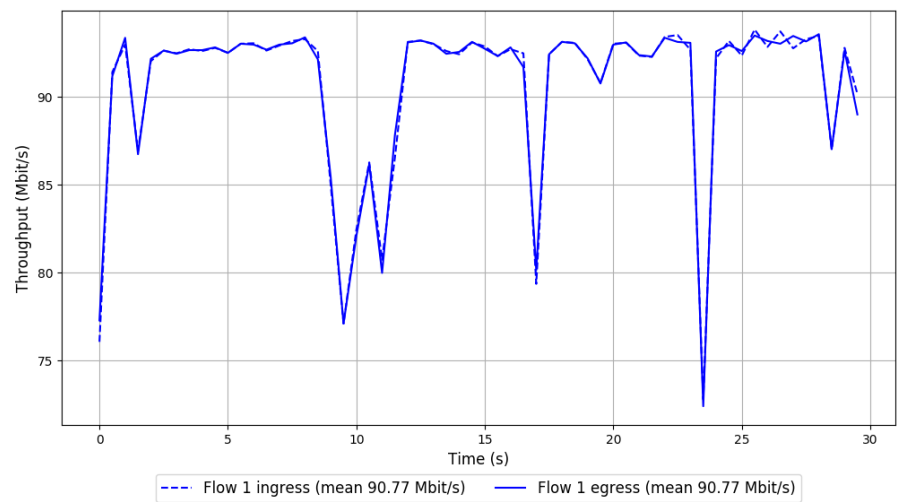
-- Flow 1:

Average throughput: 90.77 Mbit/s

95th percentile per-packet one-way delay: -4.651 ms

Loss rate: 0.00%

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

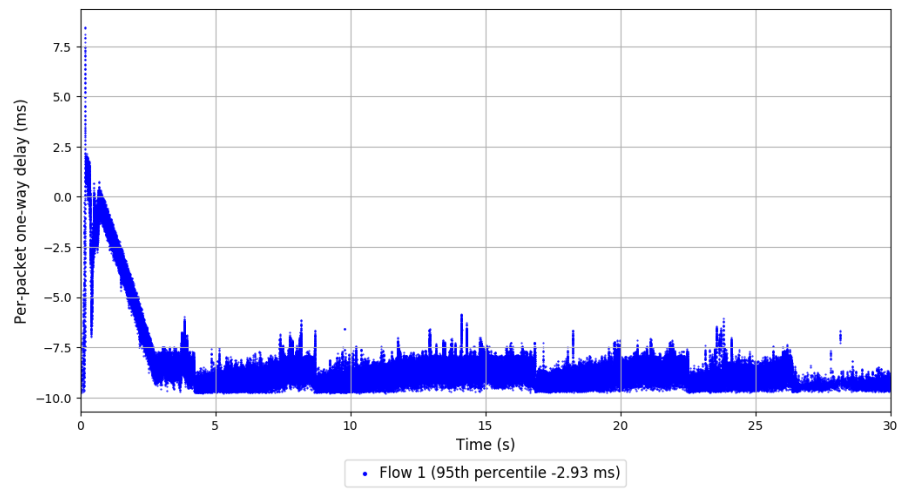
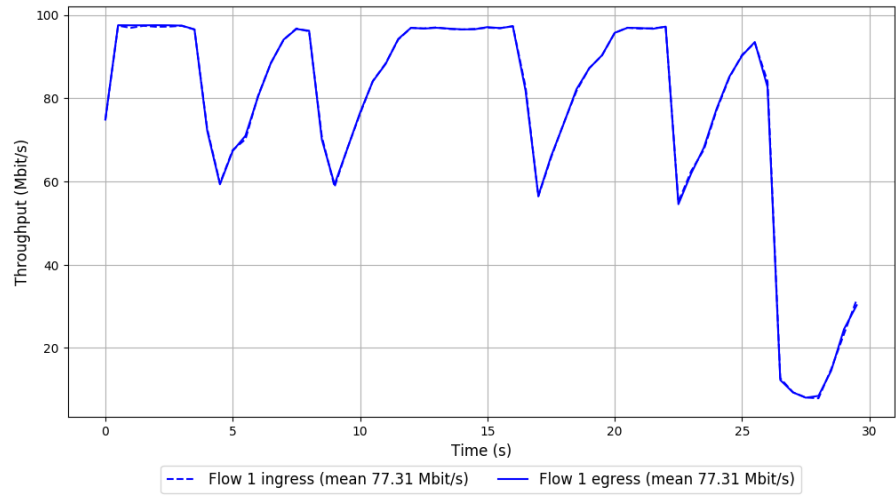


Run 1: Statistics of TCP Vegas

Start at: 2018-02-02 12:49:53
End at: 2018-02-02 12:50:23
Local clock offset: 3.793 ms
Remote clock offset: -22.323 ms

Below is generated by plot.py at 2018-02-02 16:48:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.31 Mbit/s
95th percentile per-packet one-way delay: -2.931 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.31 Mbit/s
95th percentile per-packet one-way delay: -2.931 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

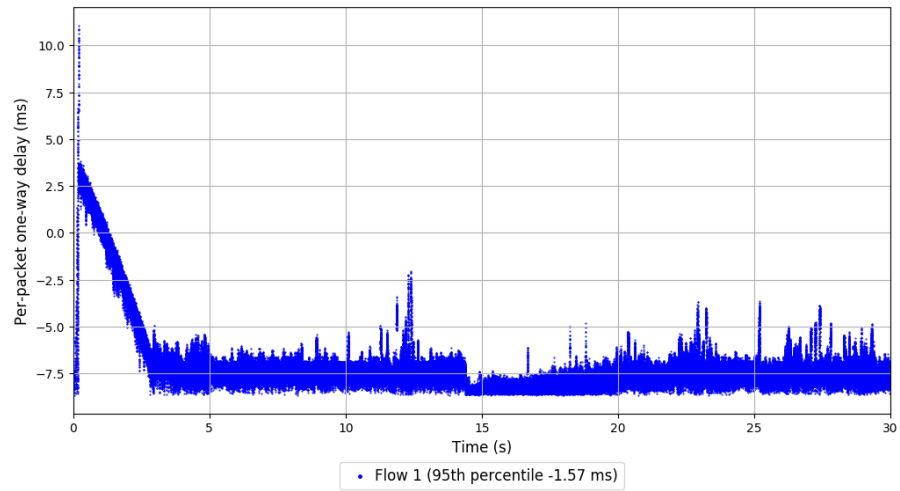
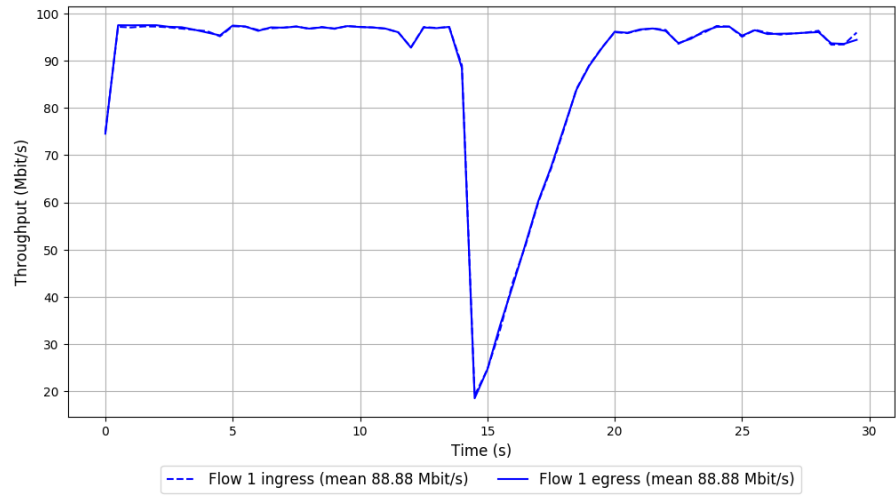


Run 2: Statistics of TCP Vegas

Start at: 2018-02-02 13:11:48
End at: 2018-02-02 13:12:18
Local clock offset: 3.126 ms
Remote clock offset: -23.491 ms

Below is generated by plot.py at 2018-02-02 16:48:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: -1.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: -1.570 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

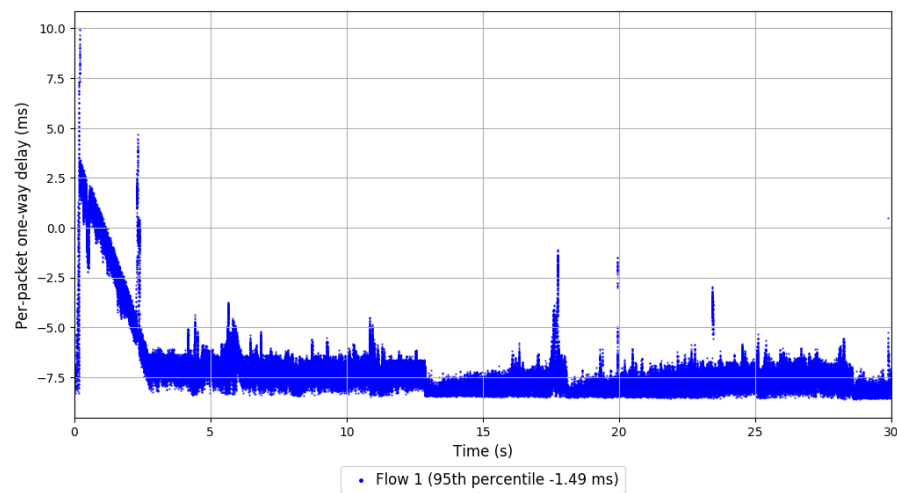
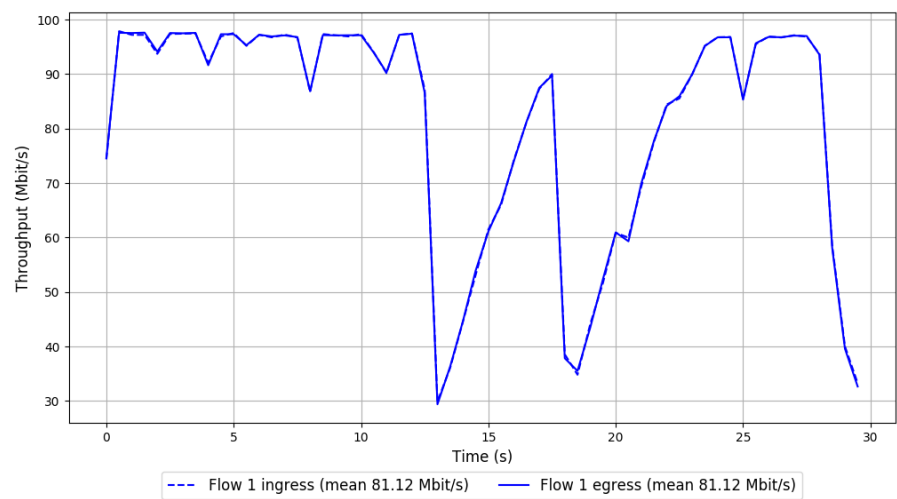


Run 3: Statistics of TCP Vegas

Start at: 2018-02-02 13:33:51
End at: 2018-02-02 13:34:21
Local clock offset: 5.237 ms
Remote clock offset: -23.936 ms

Below is generated by plot.py at 2018-02-02 16:48:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: -1.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: -1.492 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

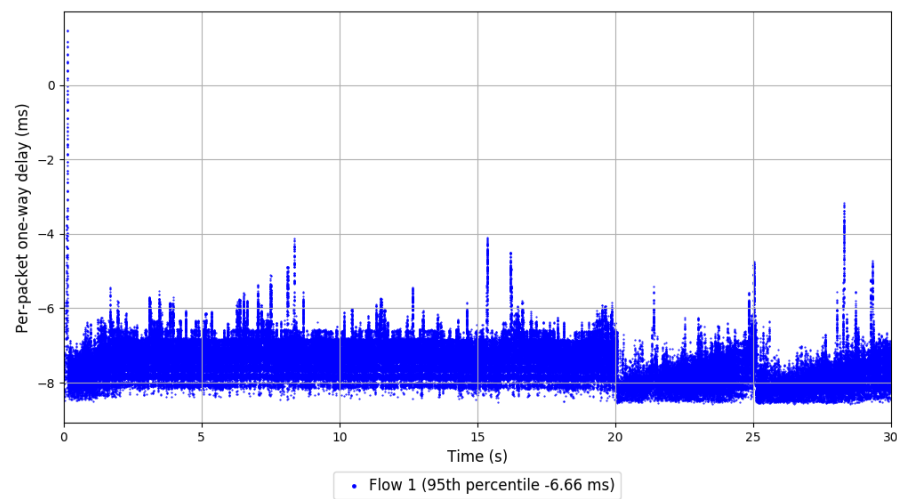
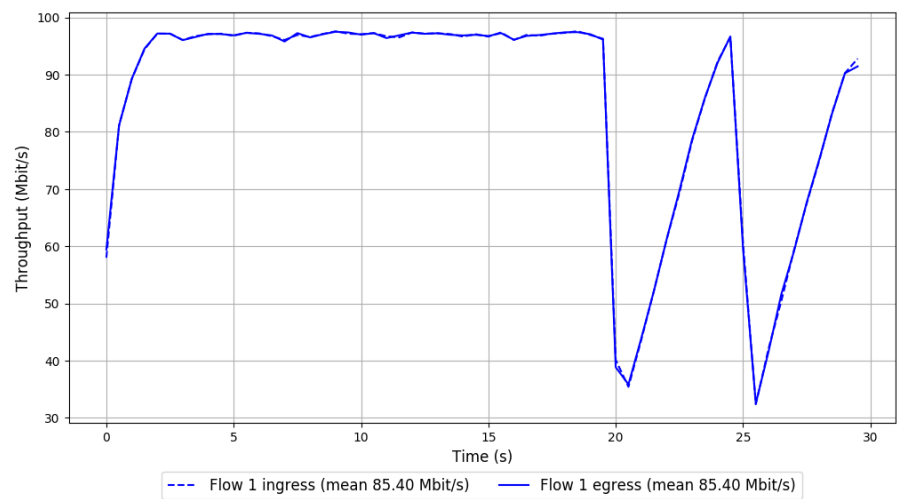


Run 4: Statistics of TCP Vegas

Start at: 2018-02-02 13:55:37
End at: 2018-02-02 13:56:07
Local clock offset: 4.506 ms
Remote clock offset: -18.989 ms

Below is generated by plot.py at 2018-02-02 16:48:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: -6.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: -6.659 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

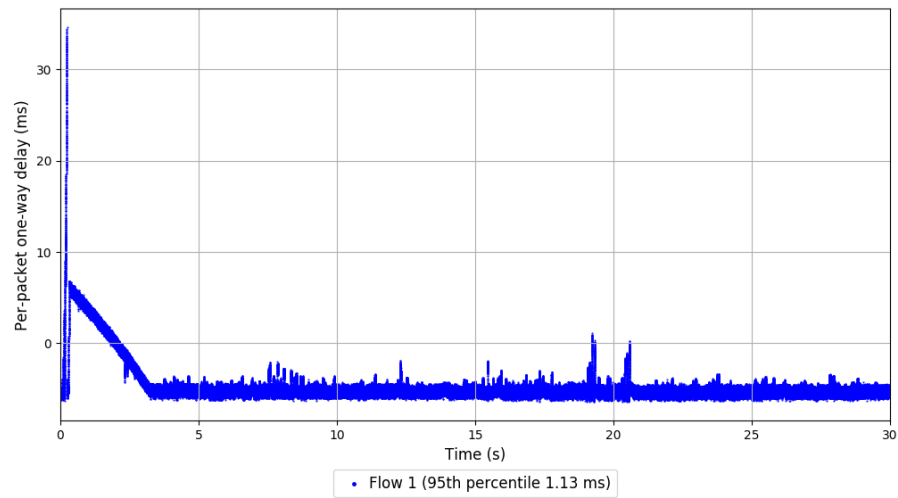
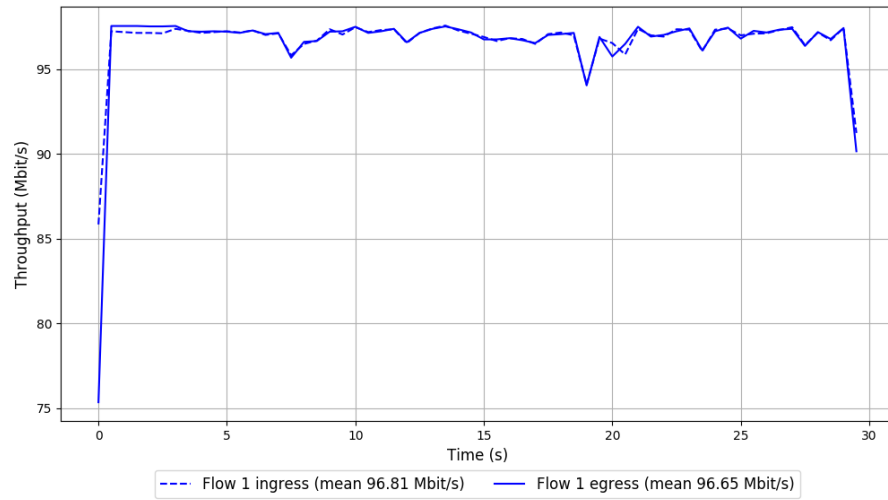


Run 5: Statistics of TCP Vegas

Start at: 2018-02-02 14:17:12
End at: 2018-02-02 14:17:42
Local clock offset: 0.689 ms
Remote clock offset: -16.777 ms

Below is generated by plot.py at 2018-02-02 16:48:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.16%

Run 5: Report of TCP Vegas — Data Link

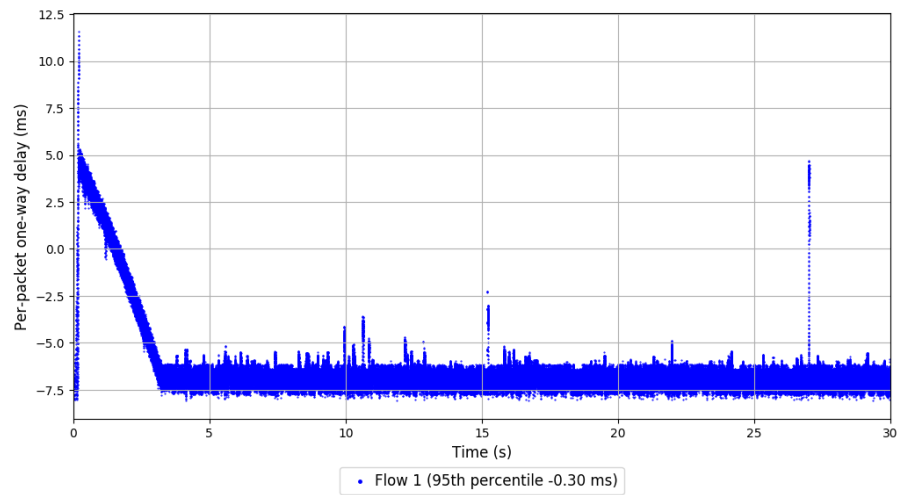
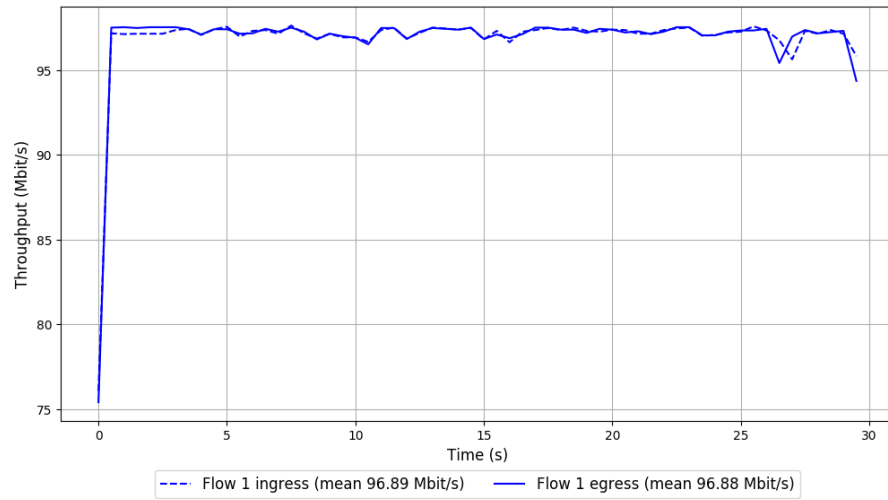


Run 6: Statistics of TCP Vegas

Start at: 2018-02-02 14:38:56
End at: 2018-02-02 14:39:26
Local clock offset: 2.939 ms
Remote clock offset: -15.388 ms

Below is generated by plot.py at 2018-02-02 16:48:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: -0.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: -0.299 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

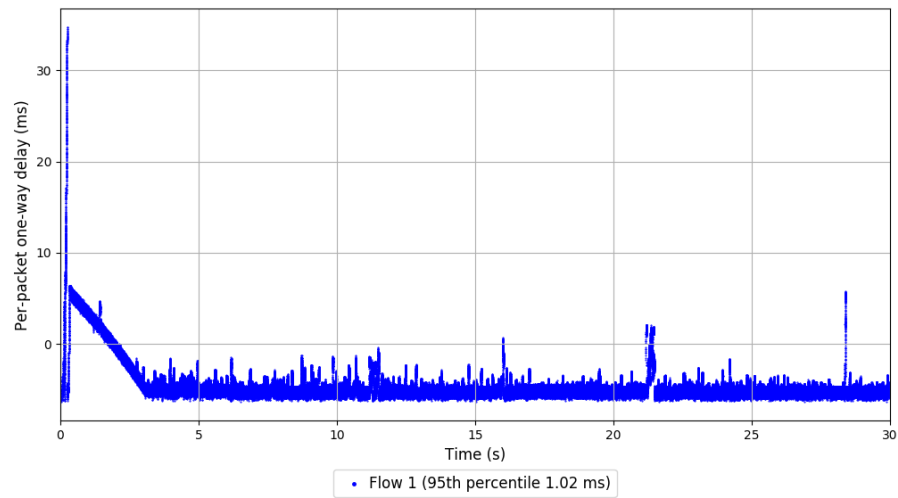
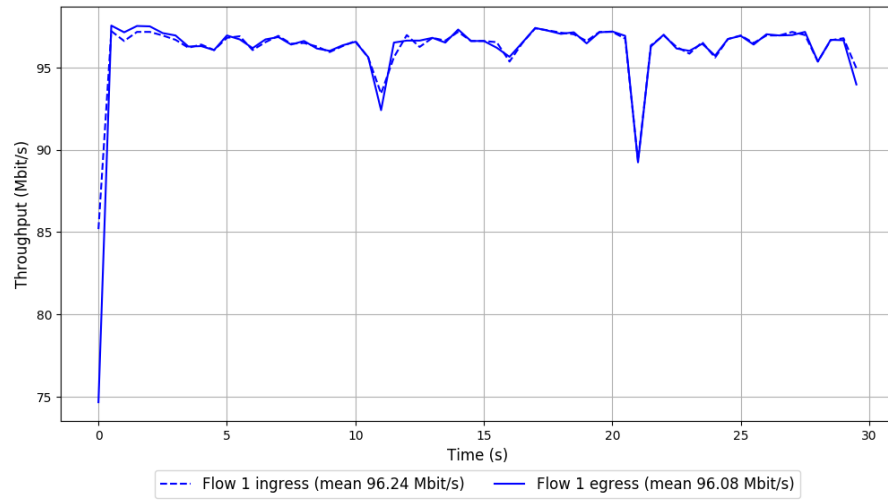


Run 7: Statistics of TCP Vegas

Start at: 2018-02-02 15:00:41
End at: 2018-02-02 15:01:11
Local clock offset: 1.957 ms
Remote clock offset: -18.798 ms

Below is generated by plot.py at 2018-02-02 16:49:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 1.020 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 1.020 ms
Loss rate: 0.16%

Run 7: Report of TCP Vegas — Data Link

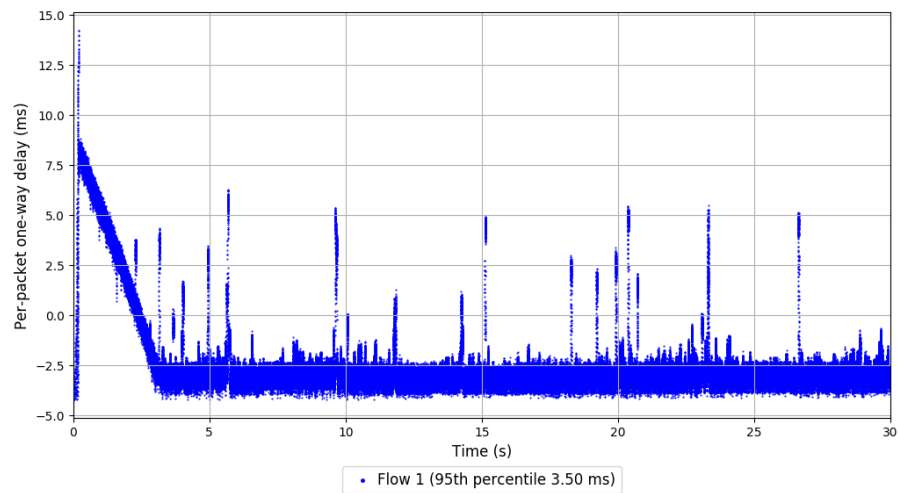
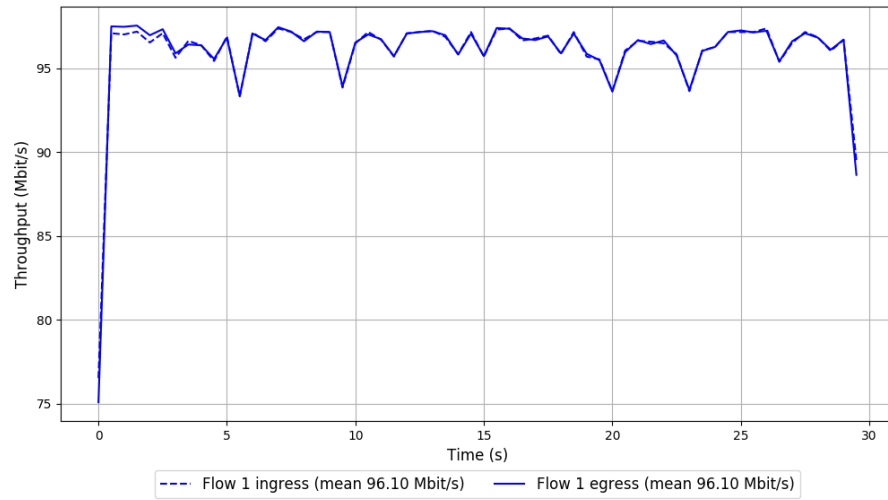


Run 8: Statistics of TCP Vegas

Start at: 2018-02-02 15:22:34
End at: 2018-02-02 15:23:04
Local clock offset: 0.835 ms
Remote clock offset: -19.428 ms

Below is generated by plot.py at 2018-02-02 16:49:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 3.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 3.501 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

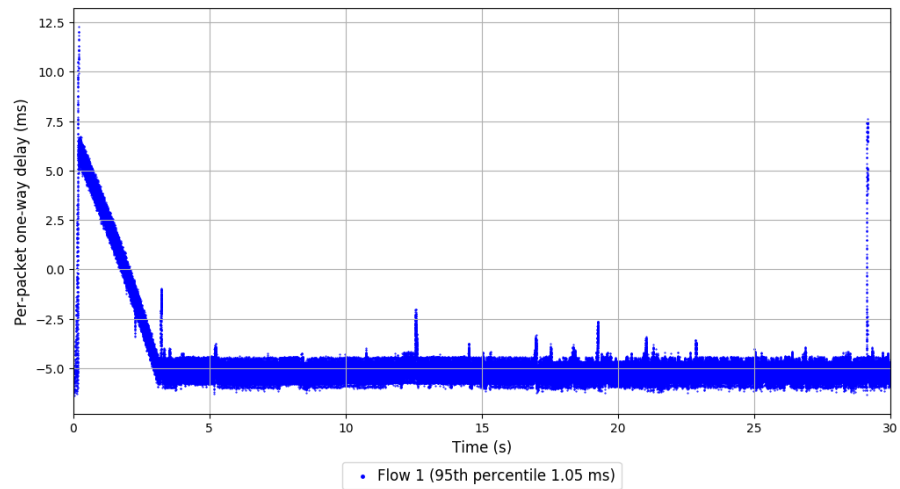
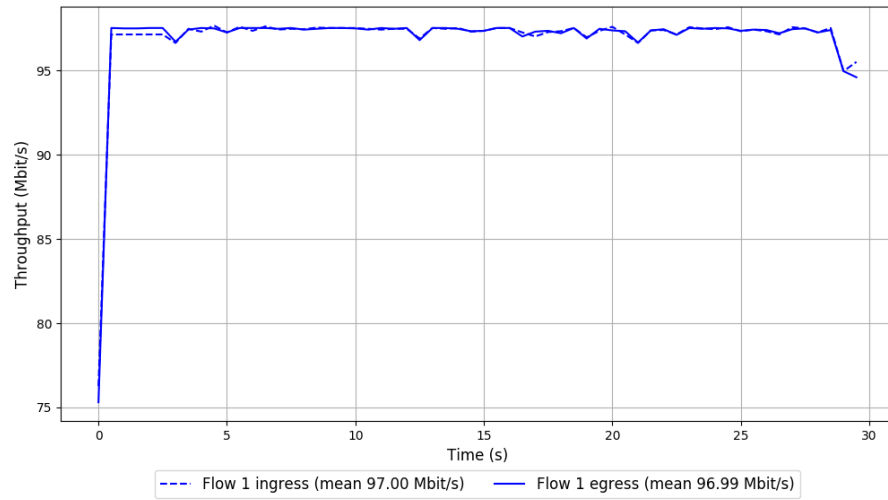


Run 9: Statistics of TCP Vegas

Start at: 2018-02-02 15:44:20
End at: 2018-02-02 15:44:50
Local clock offset: 2.248 ms
Remote clock offset: -22.76 ms

Below is generated by plot.py at 2018-02-02 16:49:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

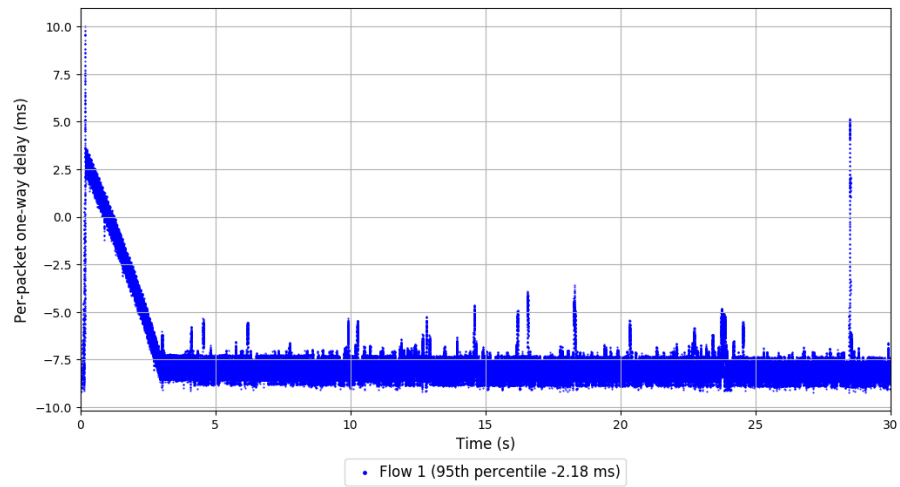
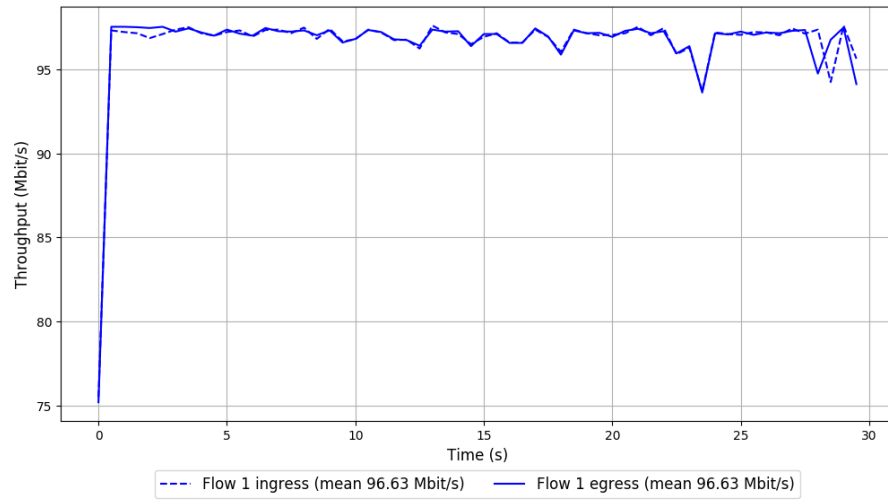


Run 10: Statistics of TCP Vegas

Start at: 2018-02-02 16:06:08
End at: 2018-02-02 16:06:38
Local clock offset: 5.395 ms
Remote clock offset: -20.396 ms

Below is generated by plot.py at 2018-02-02 16:49:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: -2.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: -2.180 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

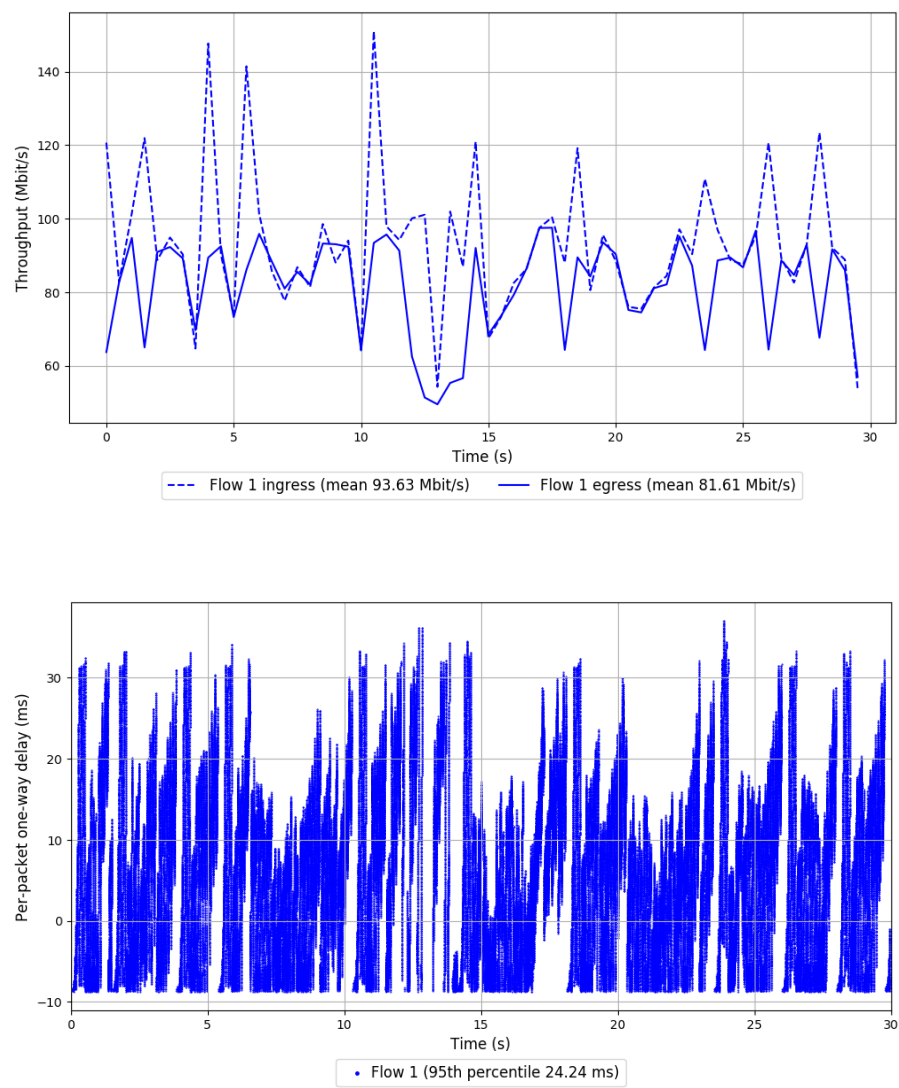


Run 1: Statistics of Verus

Start at: 2018-02-02 12:30:33
End at: 2018-02-02 12:31:03
Local clock offset: 1.054 ms
Remote clock offset: -21.626 ms

Below is generated by plot.py at 2018-02-02 16:49:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.61 Mbit/s
95th percentile per-packet one-way delay: 24.240 ms
Loss rate: 12.84%
-- Flow 1:
Average throughput: 81.61 Mbit/s
95th percentile per-packet one-way delay: 24.240 ms
Loss rate: 12.84%

Run 1: Report of Verus — Data Link

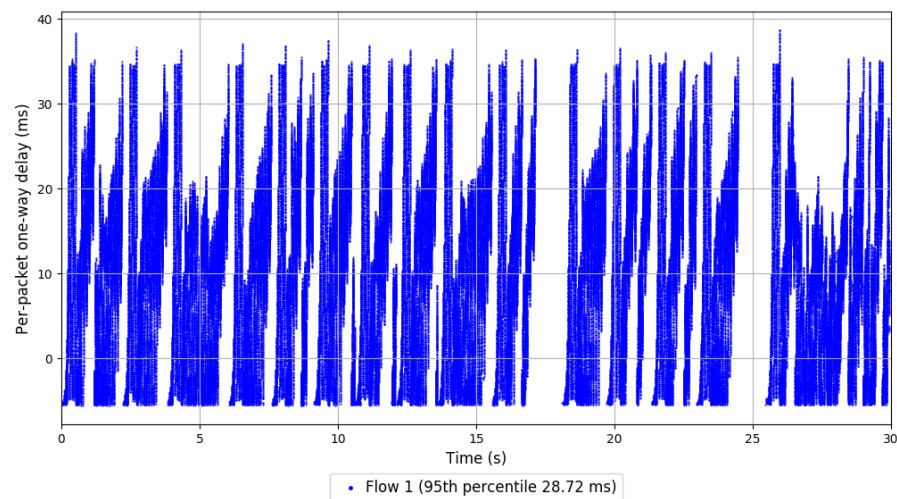
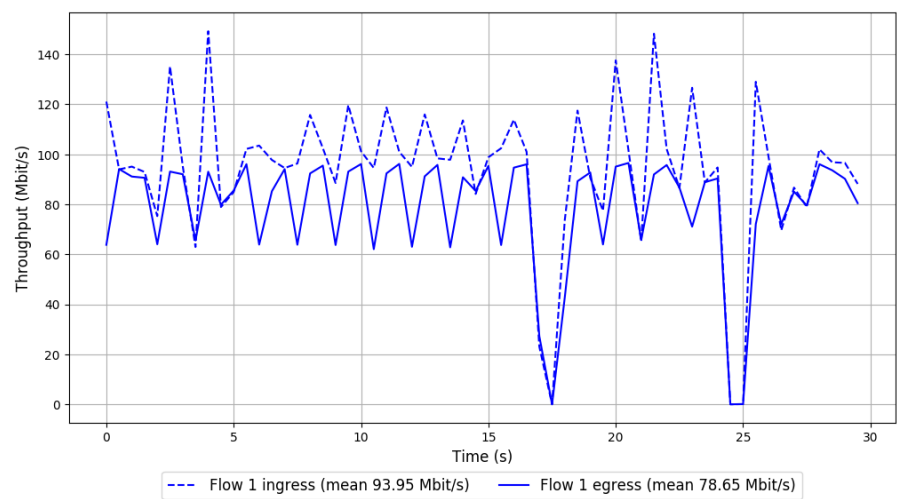


Run 2: Statistics of Verus

Start at: 2018-02-02 12:52:19
End at: 2018-02-02 12:52:49
Local clock offset: 1.888 ms
Remote clock offset: -20.327 ms

Below is generated by plot.py at 2018-02-02 16:49:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.65 Mbit/s
95th percentile per-packet one-way delay: 28.722 ms
Loss rate: 16.26%
-- Flow 1:
Average throughput: 78.65 Mbit/s
95th percentile per-packet one-way delay: 28.722 ms
Loss rate: 16.26%

Run 2: Report of Verus — Data Link

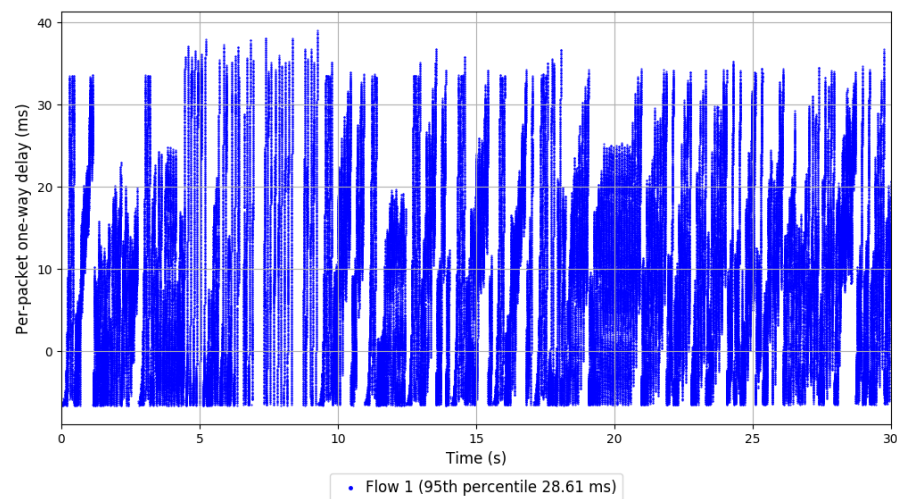
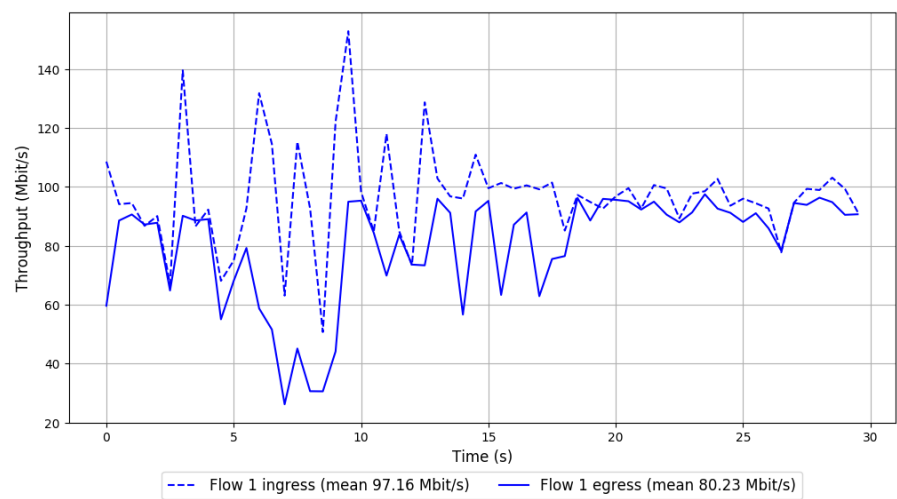


Run 3: Statistics of Verus

Start at: 2018-02-02 13:14:19
End at: 2018-02-02 13:14:49
Local clock offset: 1.888 ms
Remote clock offset: -22.869 ms

Below is generated by plot.py at 2018-02-02 16:50:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 28.605 ms
Loss rate: 17.35%
-- Flow 1:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 28.605 ms
Loss rate: 17.35%

Run 3: Report of Verus — Data Link

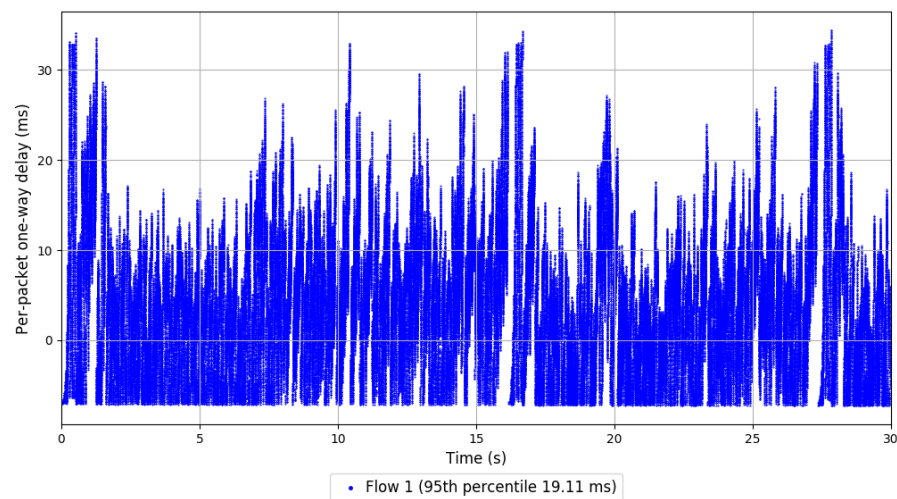
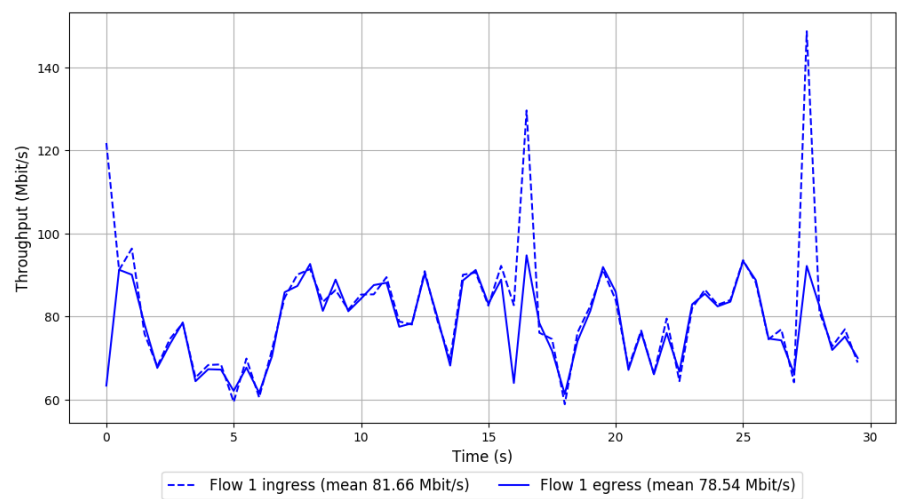


Run 4: Statistics of Verus

Start at: 2018-02-02 13:36:23
End at: 2018-02-02 13:36:53
Local clock offset: 2.635 ms
Remote clock offset: -24.298 ms

Below is generated by plot.py at 2018-02-02 16:50:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.54 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 3.78%
-- Flow 1:
Average throughput: 78.54 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 3.78%

Run 4: Report of Verus — Data Link

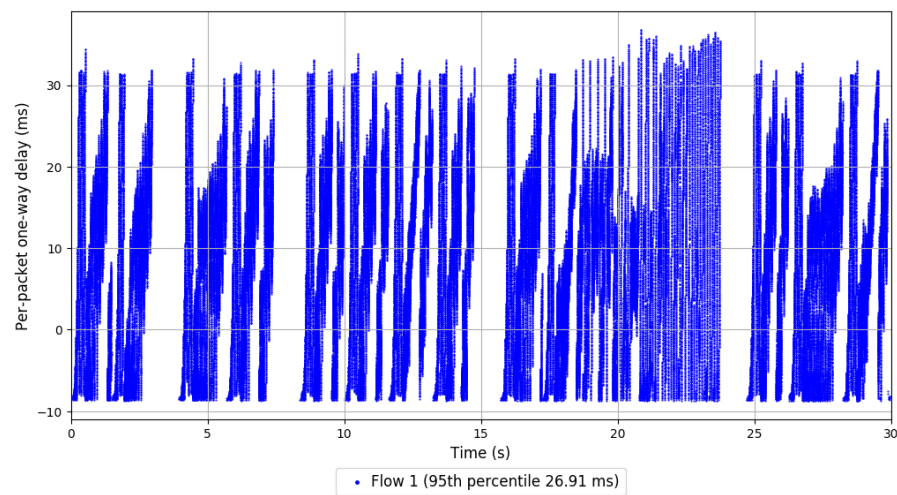
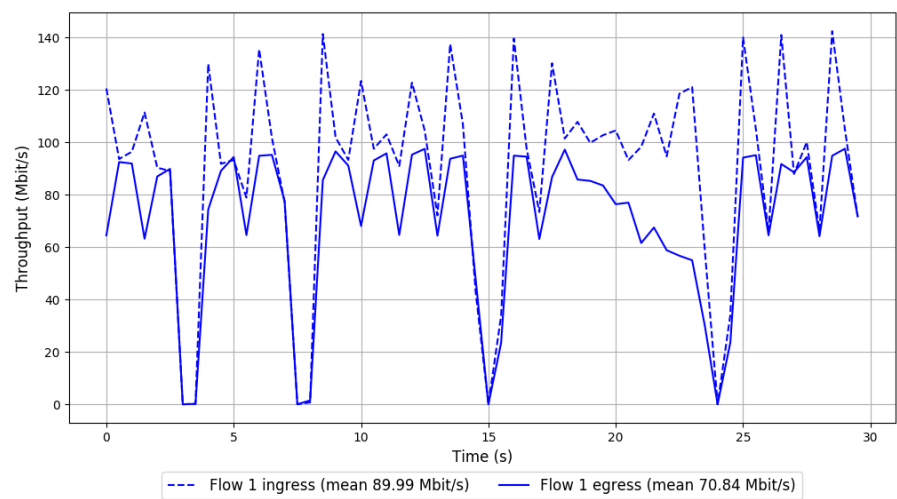


Run 5: Statistics of Verus

Start at: 2018-02-02 13:58:06
End at: 2018-02-02 13:58:36
Local clock offset: 2.898 ms
Remote clock offset: -20.355 ms

Below is generated by plot.py at 2018-02-02 16:50:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.84 Mbit/s
95th percentile per-packet one-way delay: 26.909 ms
Loss rate: 21.27%
-- Flow 1:
Average throughput: 70.84 Mbit/s
95th percentile per-packet one-way delay: 26.909 ms
Loss rate: 21.27%

Run 5: Report of Verus — Data Link

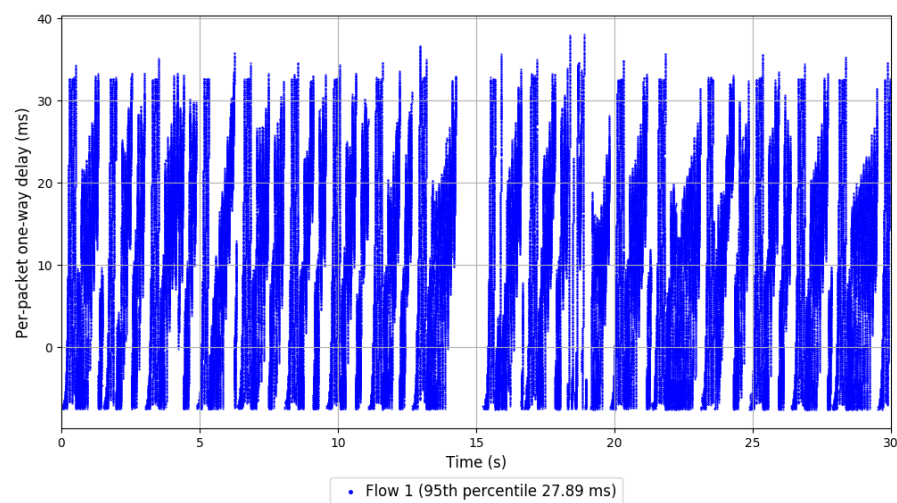
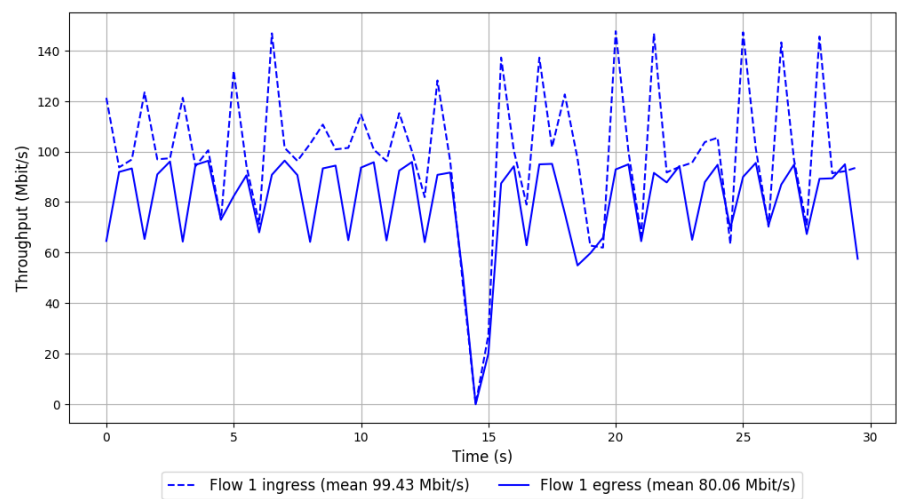


Run 6: Statistics of Verus

Start at: 2018-02-02 14:19:41
End at: 2018-02-02 14:20:11
Local clock offset: 1.542 ms
Remote clock offset: -16.571 ms

Below is generated by plot.py at 2018-02-02 16:50:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 27.888 ms
Loss rate: 19.40%
-- Flow 1:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 27.888 ms
Loss rate: 19.40%

Run 6: Report of Verus — Data Link

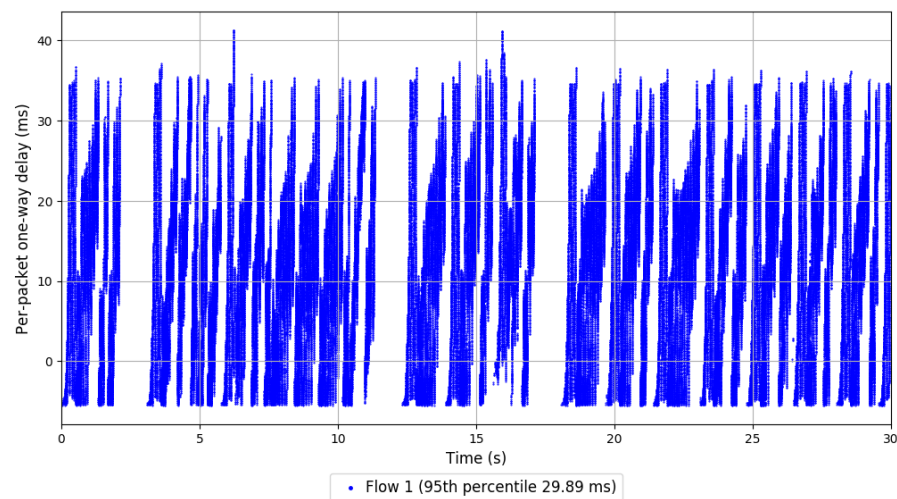
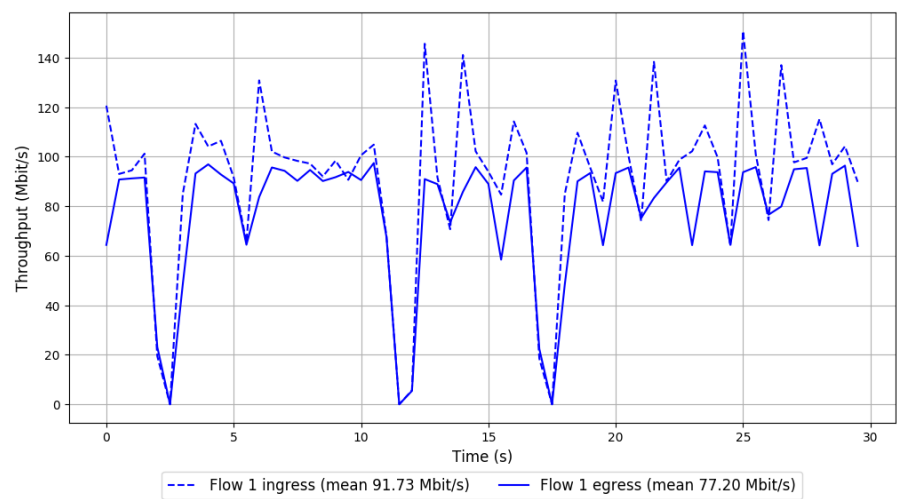


Run 7: Statistics of Verus

Start at: 2018-02-02 14:41:22
End at: 2018-02-02 14:41:52
Local clock offset: 1.981 ms
Remote clock offset: -13.692 ms

Below is generated by plot.py at 2018-02-02 16:50:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 29.895 ms
Loss rate: 15.73%
-- Flow 1:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 29.895 ms
Loss rate: 15.73%

Run 7: Report of Verus — Data Link

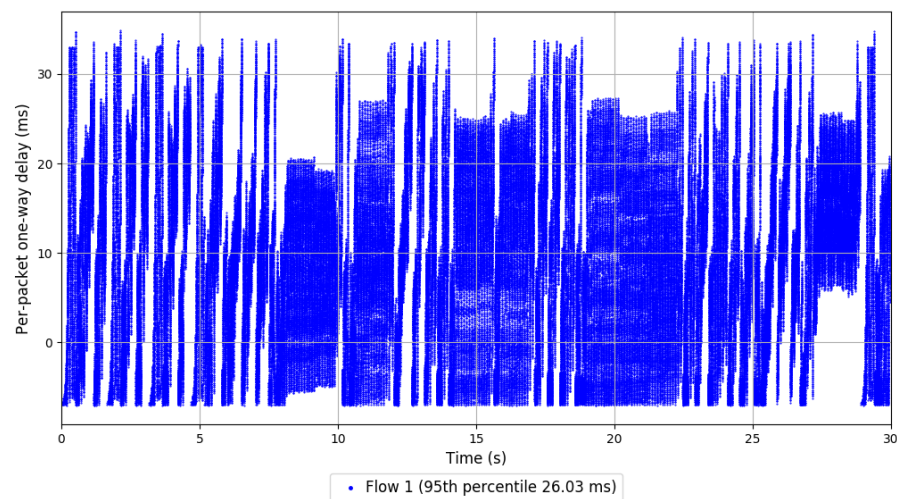
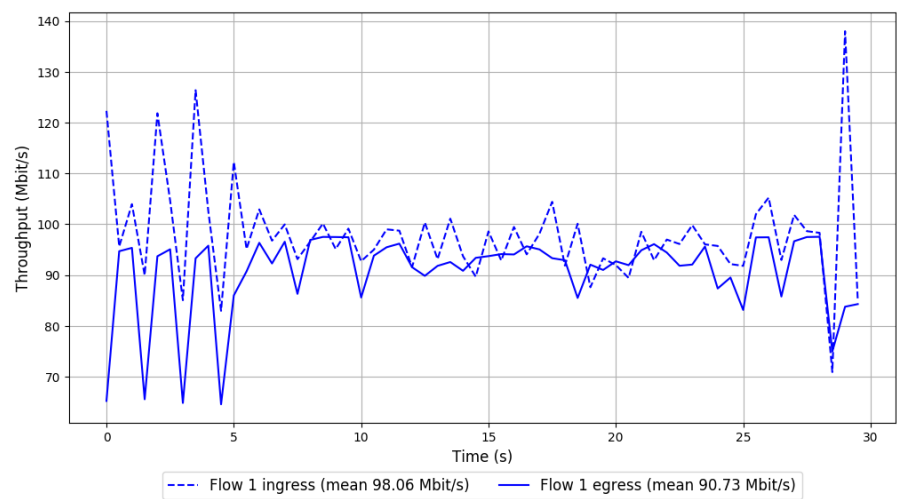


Run 8: Statistics of Verus

Start at: 2018-02-02 15:03:10
End at: 2018-02-02 15:03:40
Local clock offset: -1.363 ms
Remote clock offset: -22.919 ms

Below is generated by plot.py at 2018-02-02 16:50:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 26.031 ms
Loss rate: 7.44%
-- Flow 1:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 26.031 ms
Loss rate: 7.44%

Run 8: Report of Verus — Data Link

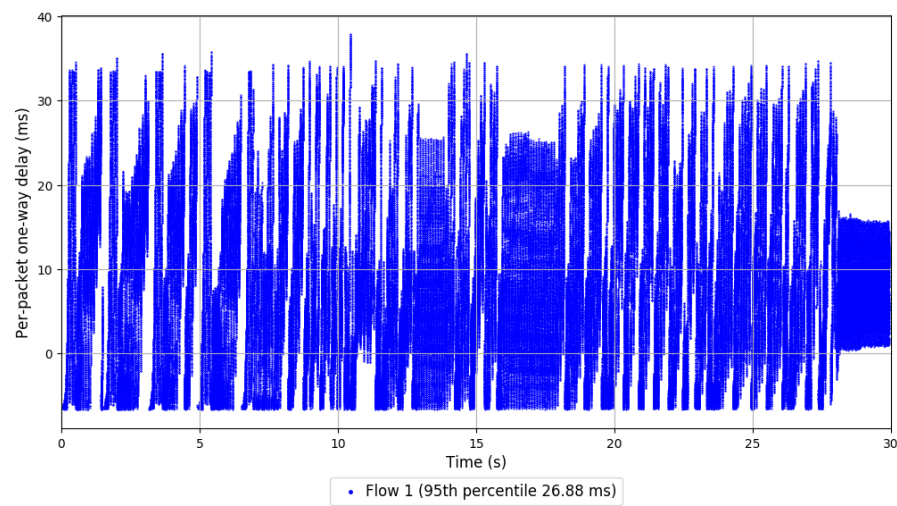
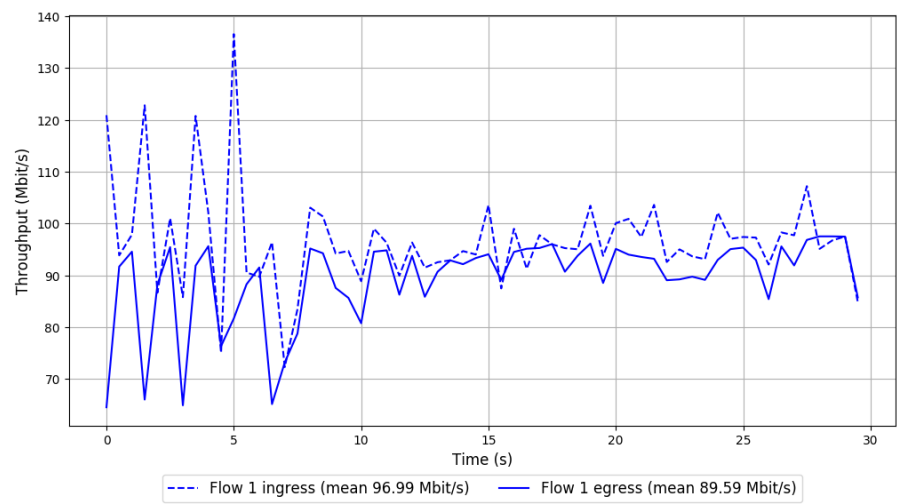


Run 9: Statistics of Verus

Start at: 2018-02-02 15:25:06
End at: 2018-02-02 15:25:36
Local clock offset: 3.215 ms
Remote clock offset: -19.766 ms

Below is generated by plot.py at 2018-02-02 16:50:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 26.884 ms
Loss rate: 7.60%
-- Flow 1:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 26.884 ms
Loss rate: 7.60%

Run 9: Report of Verus — Data Link

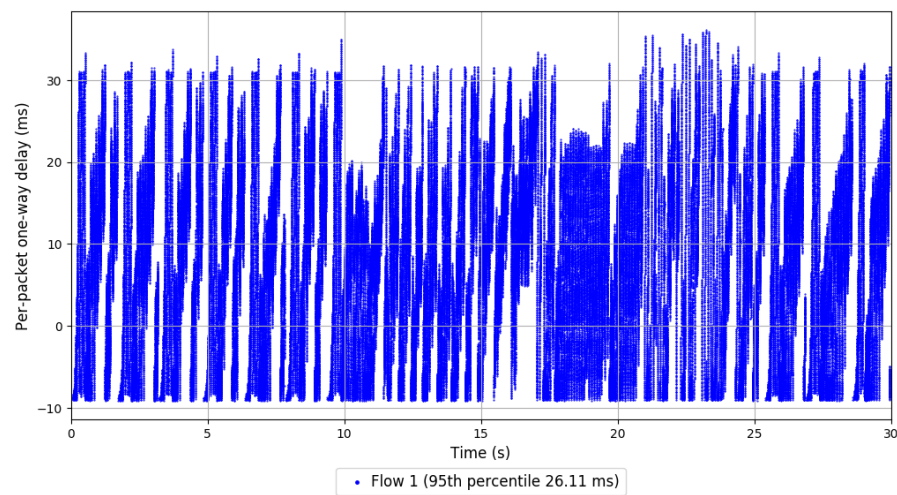
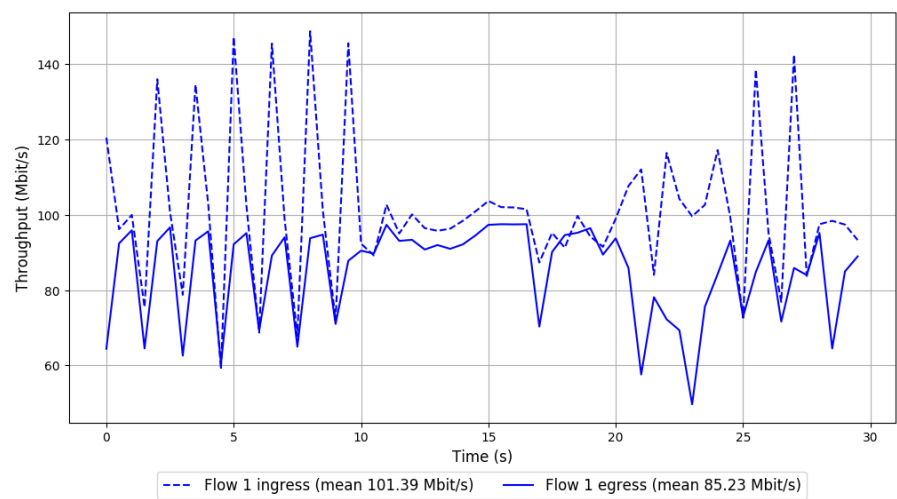


Run 10: Statistics of Verus

Start at: 2018-02-02 15:46:47
End at: 2018-02-02 15:47:17
Local clock offset: 4.112 ms
Remote clock offset: -23.838 ms

Below is generated by plot.py at 2018-02-02 16:50:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 26.110 ms
Loss rate: 15.93%
-- Flow 1:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 26.110 ms
Loss rate: 15.93%

Run 10: Report of Verus — Data Link

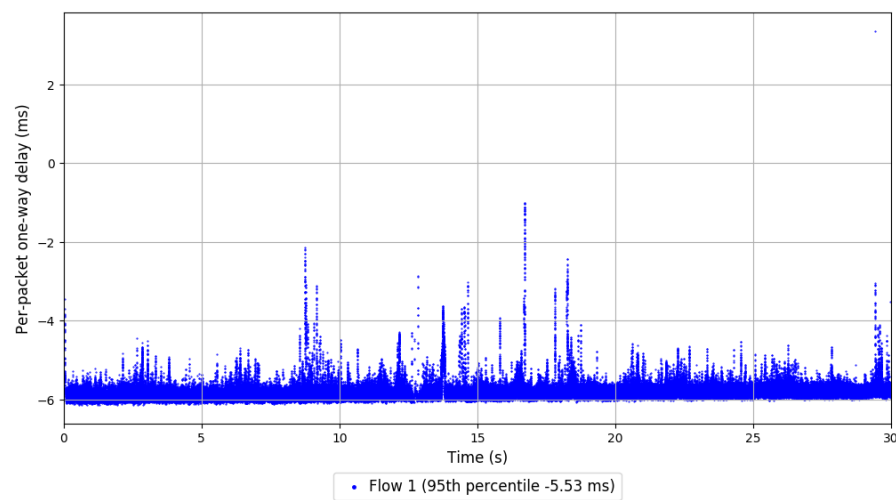
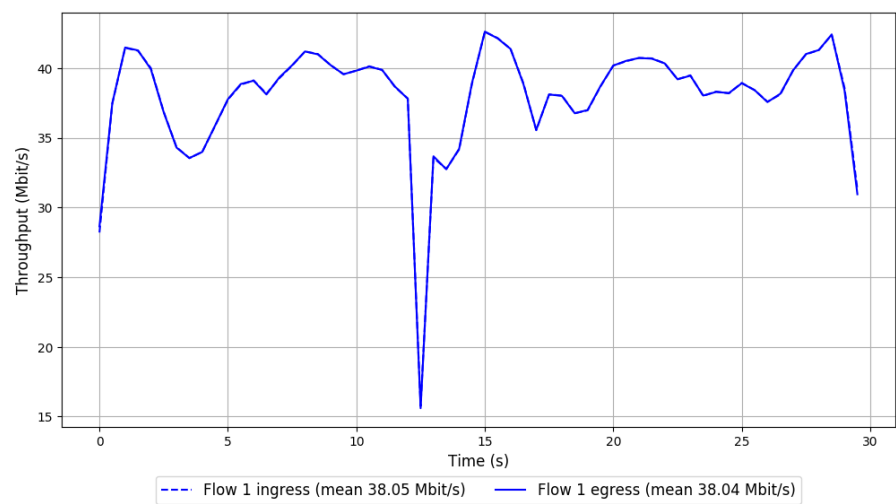


Run 1: Statistics of Copa

Start at: 2018-02-02 12:42:46
End at: 2018-02-02 12:43:16
Local clock offset: -0.859 ms
Remote clock offset: -21.87 ms

Below is generated by plot.py at 2018-02-02 16:51:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: -5.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: -5.527 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

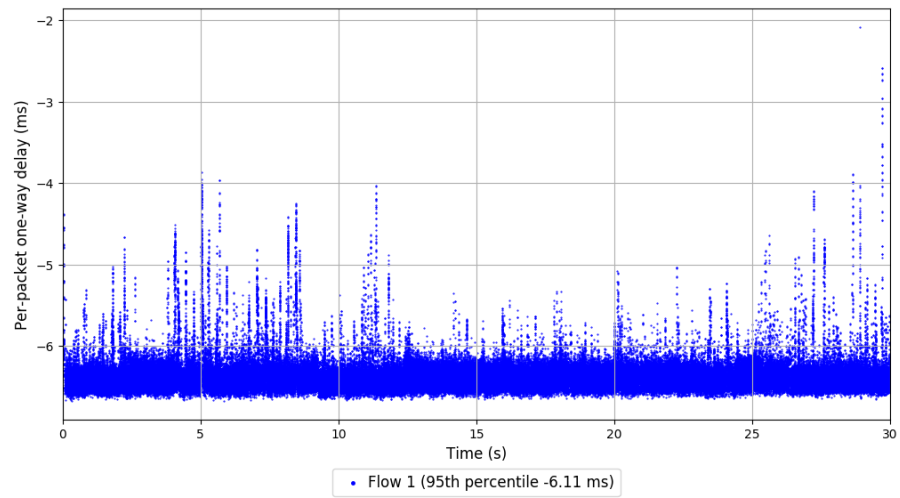
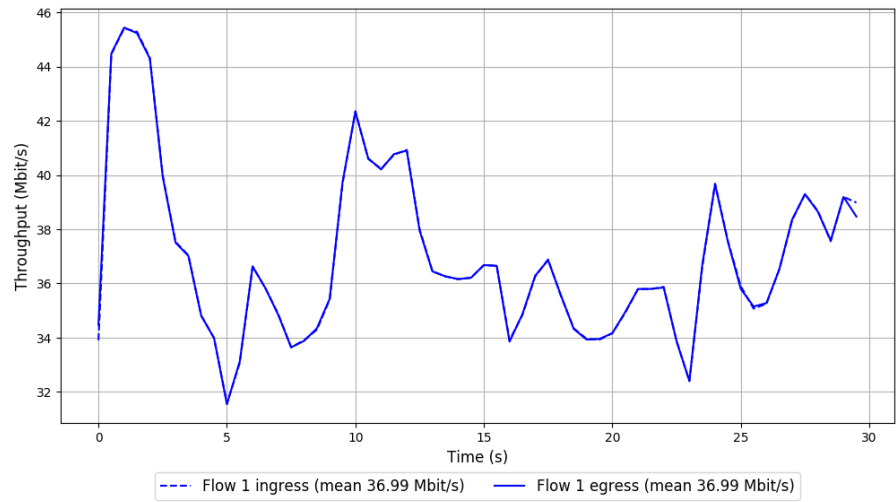


Run 2: Statistics of Copa

Start at: 2018-02-02 13:04:33
End at: 2018-02-02 13:05:03
Local clock offset: 1.714 ms
Remote clock offset: -22.52 ms

Below is generated by plot.py at 2018-02-02 16:51:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: -6.106 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: -6.106 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

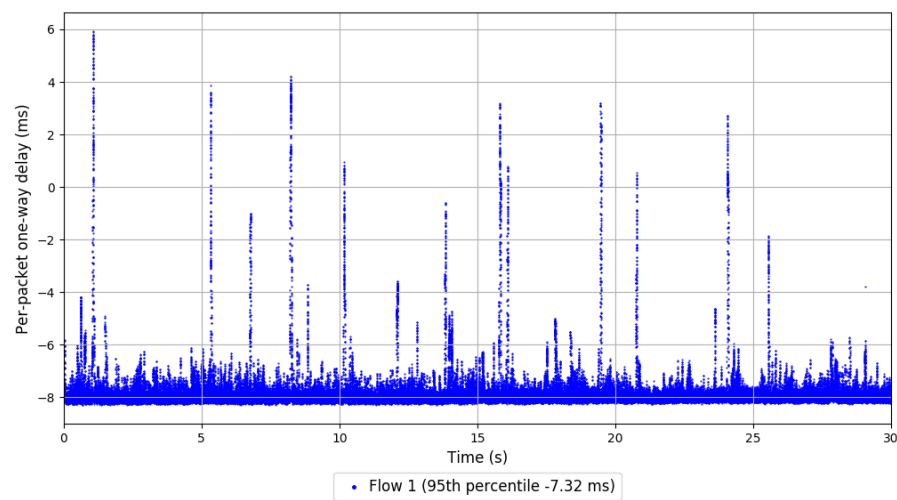
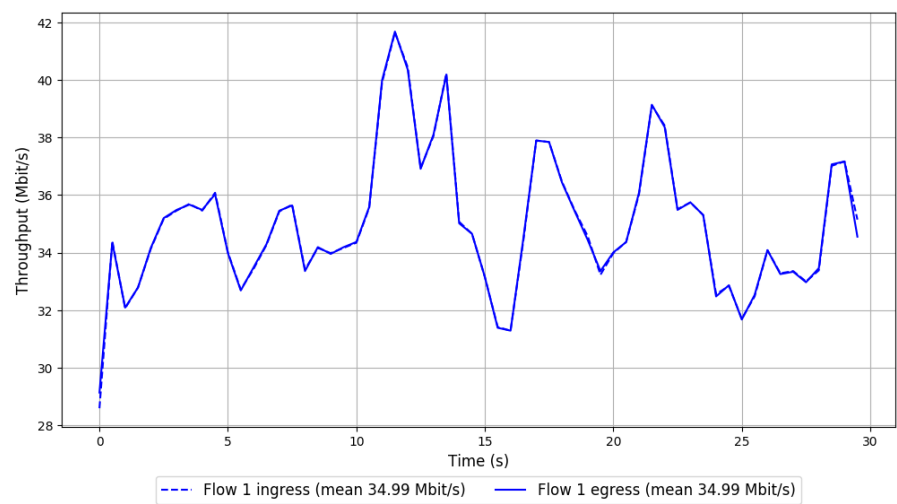


Run 3: Statistics of Copa

Start at: 2018-02-02 13:26:47
End at: 2018-02-02 13:27:17
Local clock offset: 2.967 ms
Remote clock offset: -25.602 ms

Below is generated by plot.py at 2018-02-02 16:51:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: -7.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: -7.319 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

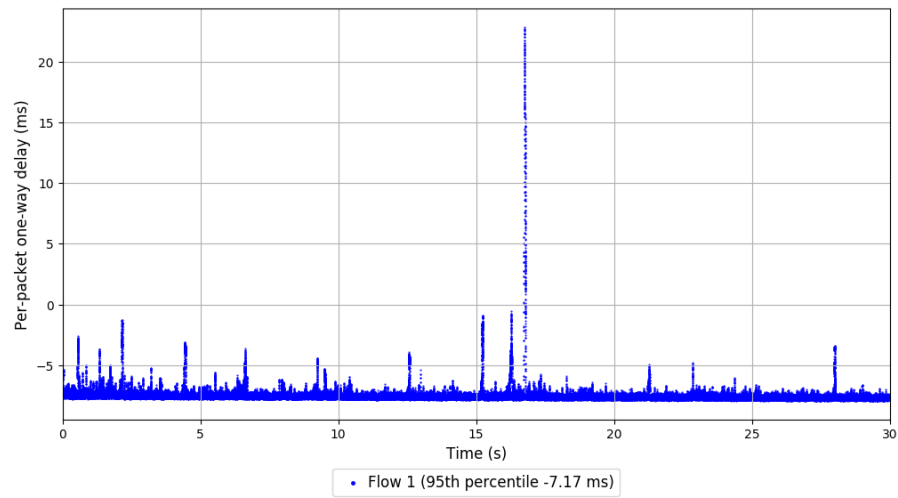
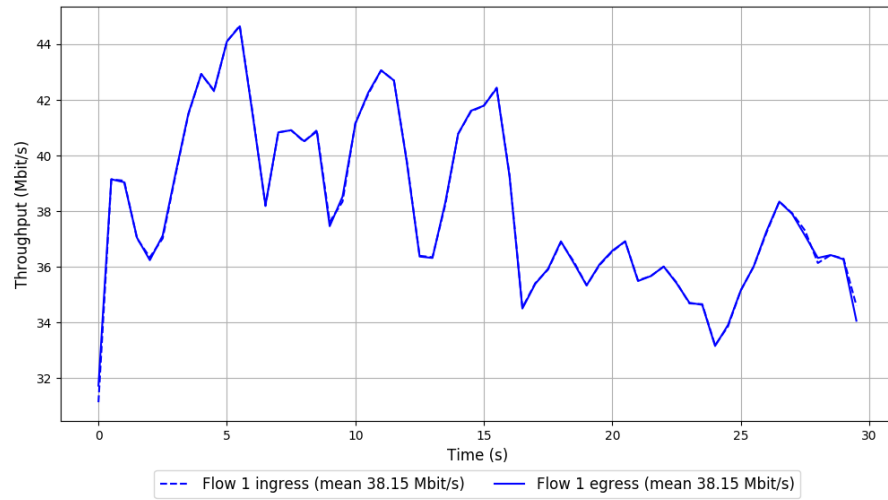


Run 4: Statistics of Copa

Start at: 2018-02-02 13:48:42
End at: 2018-02-02 13:49:12
Local clock offset: 1.3 ms
Remote clock offset: -23.357 ms

Below is generated by plot.py at 2018-02-02 16:51:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: -7.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: -7.173 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

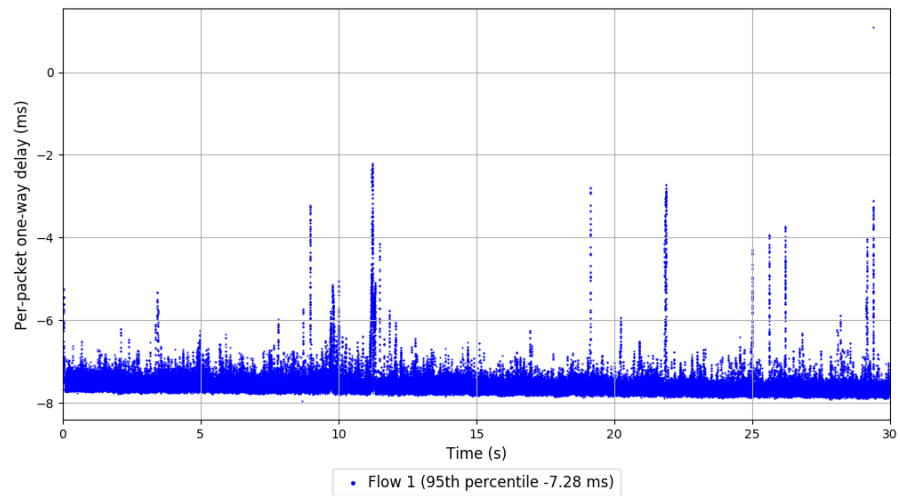
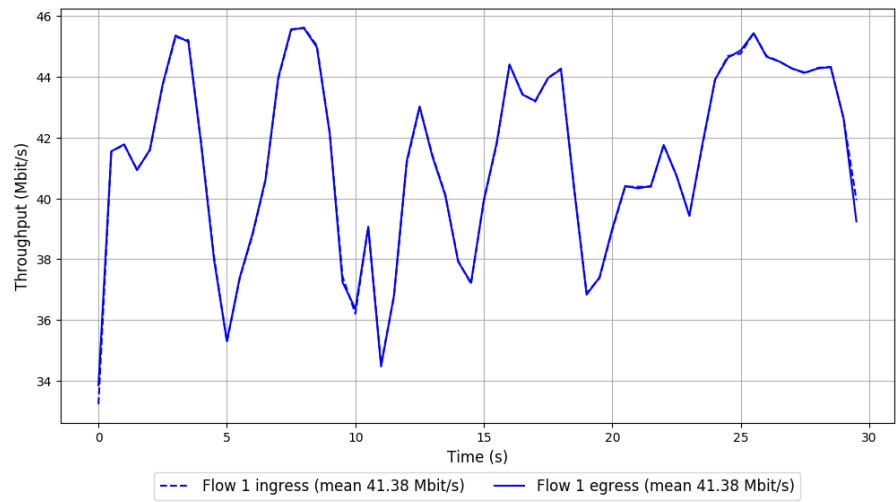


Run 5: Statistics of Copa

Start at: 2018-02-02 14:10:13
End at: 2018-02-02 14:10:43
Local clock offset: 1.149 ms
Remote clock offset: -19.268 ms

Below is generated by plot.py at 2018-02-02 16:51:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: -7.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: -7.282 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

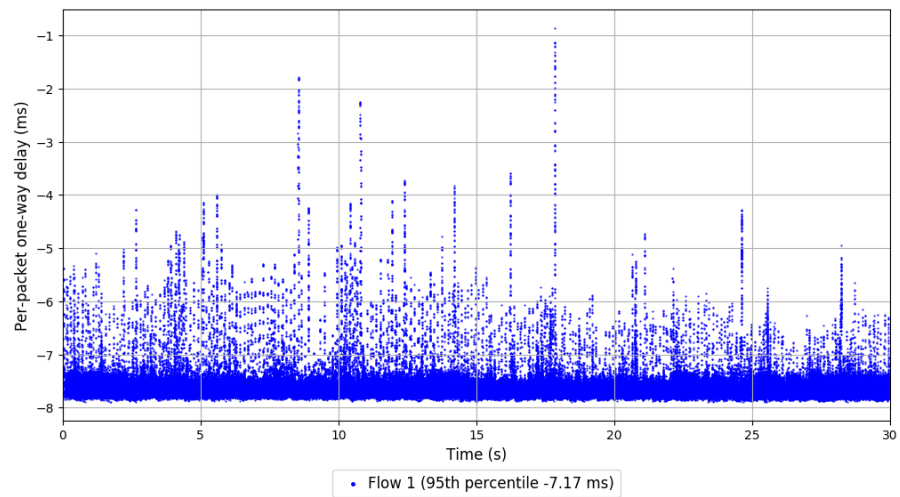
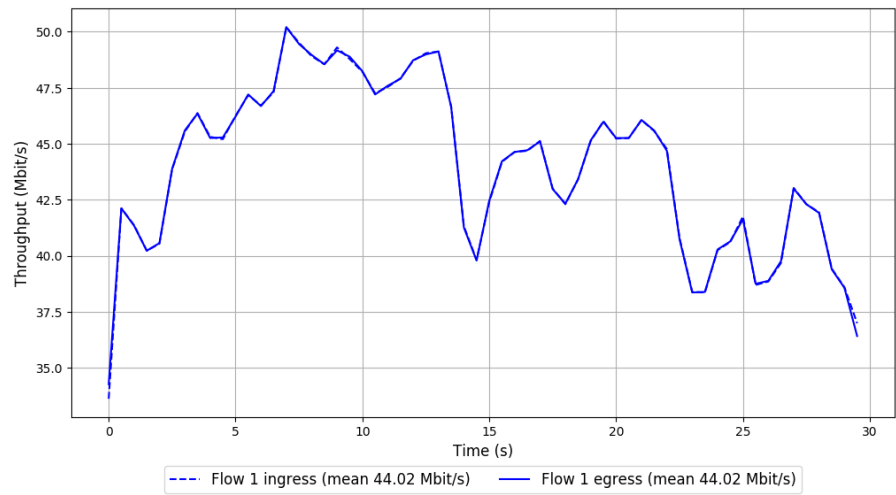


Run 6: Statistics of Copa

Start at: 2018-02-02 14:31:58
End at: 2018-02-02 14:32:28
Local clock offset: 1.439 ms
Remote clock offset: -16.844 ms

Below is generated by plot.py at 2018-02-02 16:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: -7.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: -7.170 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

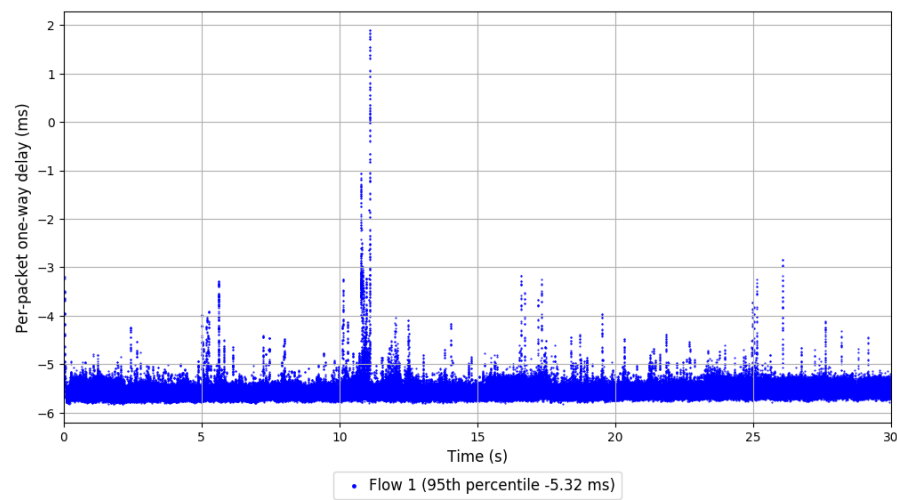
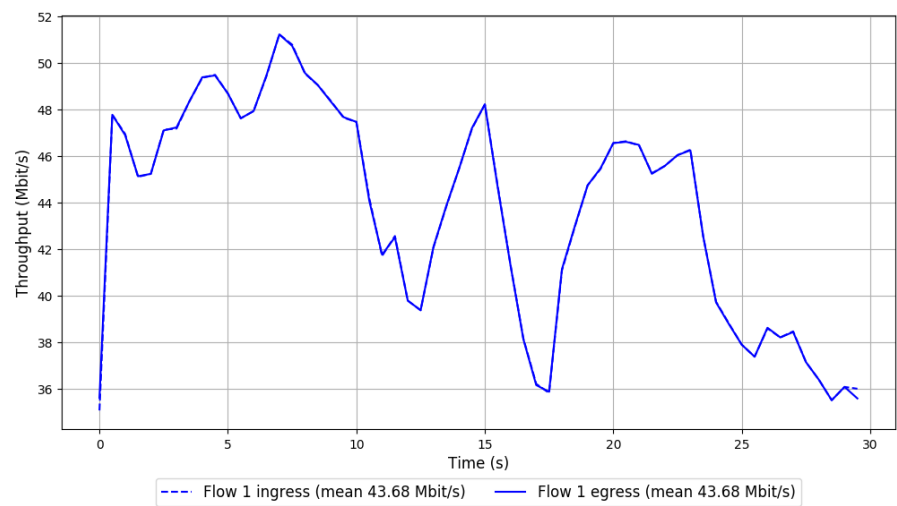


Run 7: Statistics of Copa

Start at: 2018-02-02 14:53:43
End at: 2018-02-02 14:54:13
Local clock offset: 1.085 ms
Remote clock offset: -18.534 ms

Below is generated by plot.py at 2018-02-02 16:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: -5.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: -5.324 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

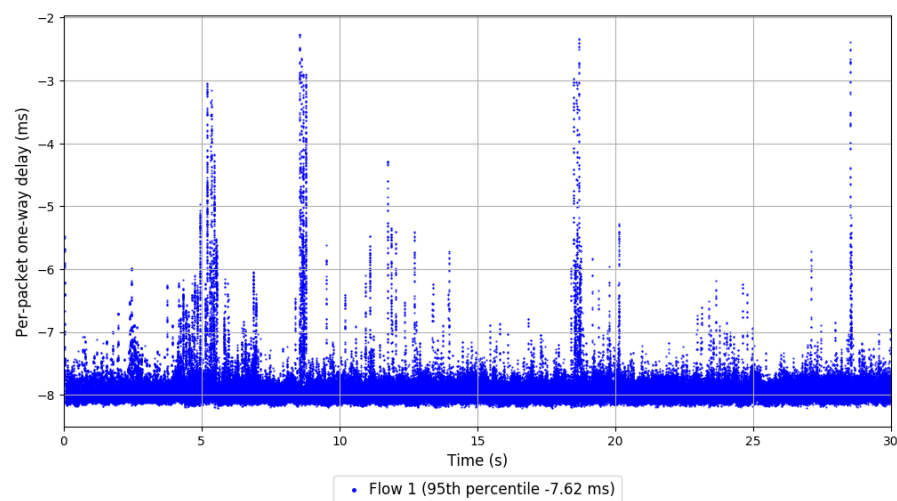
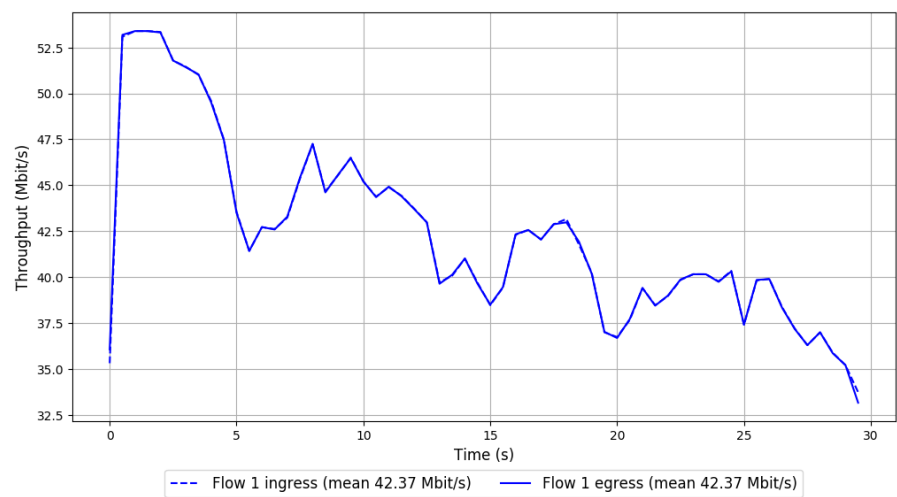


Run 8: Statistics of Copa

Start at: 2018-02-02 15:15:34
End at: 2018-02-02 15:16:04
Local clock offset: 2.858 ms
Remote clock offset: -19.989 ms

Below is generated by plot.py at 2018-02-02 16:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.37 Mbit/s
95th percentile per-packet one-way delay: -7.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.37 Mbit/s
95th percentile per-packet one-way delay: -7.616 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

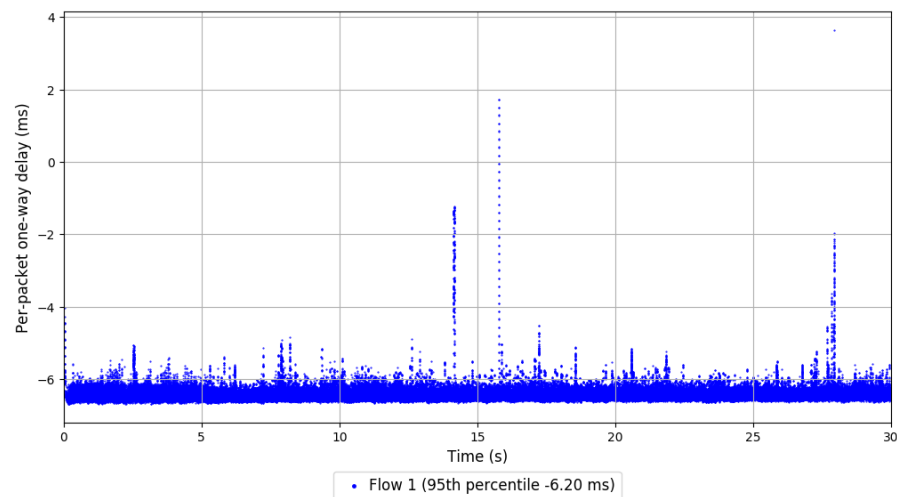
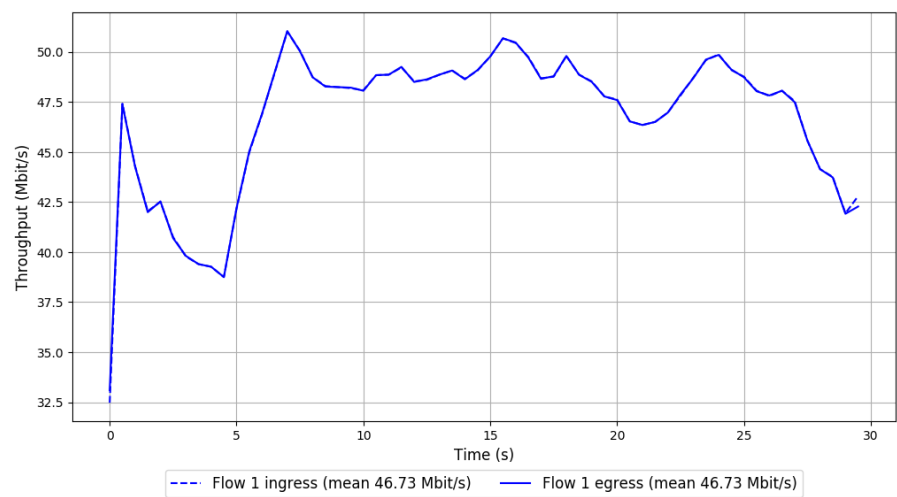


Run 9: Statistics of Copa

Start at: 2018-02-02 15:37:16
End at: 2018-02-02 15:37:46
Local clock offset: 3.703 ms
Remote clock offset: -20.846 ms

Below is generated by plot.py at 2018-02-02 16:52:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: -6.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: -6.199 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

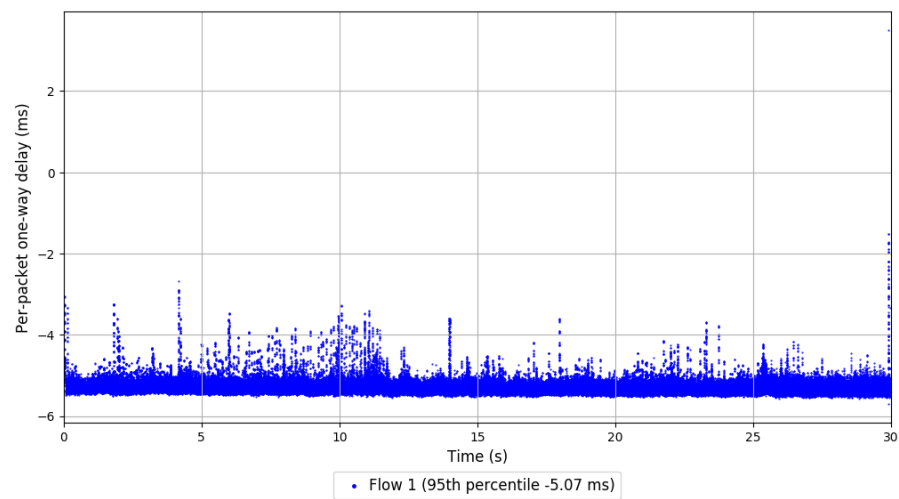
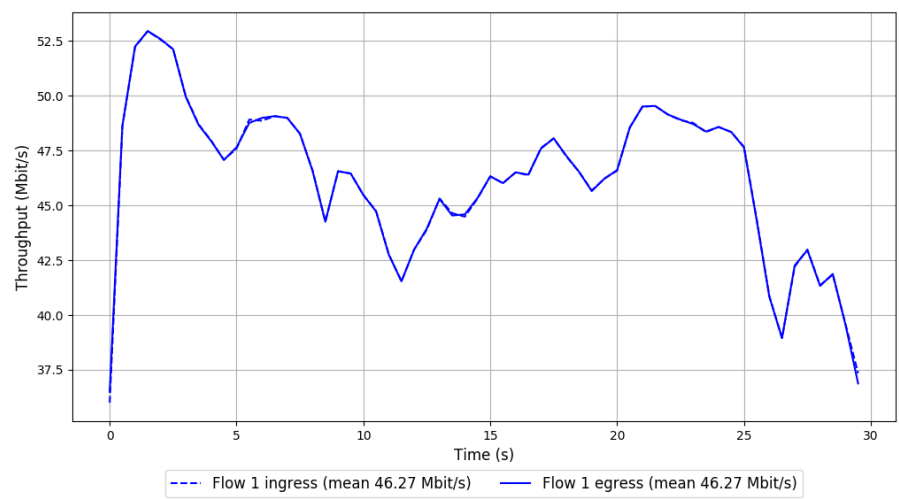


Run 10: Statistics of Copa

Start at: 2018-02-02 15:59:07
End at: 2018-02-02 15:59:37
Local clock offset: 1.625 ms
Remote clock offset: -21.325 ms

Below is generated by plot.py at 2018-02-02 16:52:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.27 Mbit/s
95th percentile per-packet one-way delay: -5.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.27 Mbit/s
95th percentile per-packet one-way delay: -5.072 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

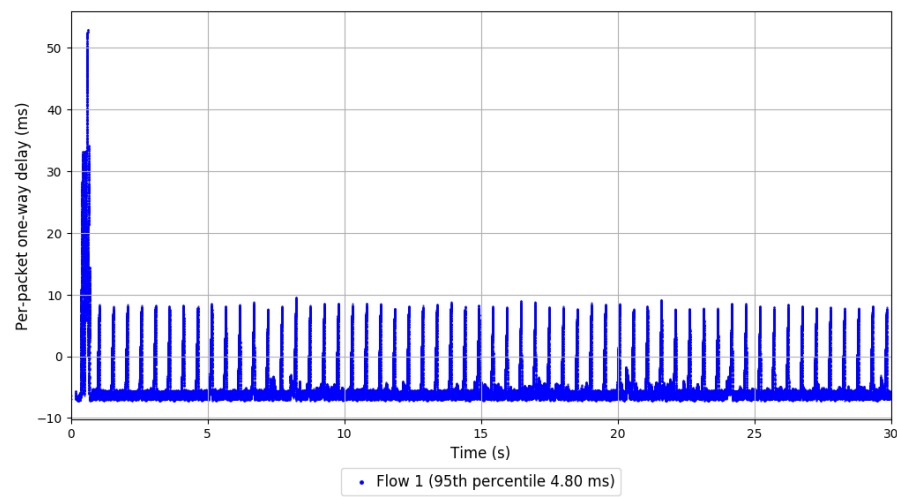
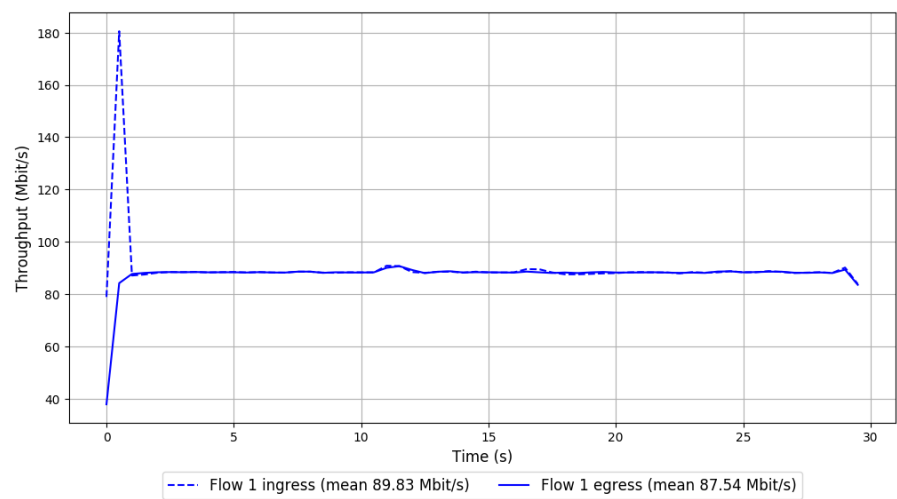


```
Run 1: Statistics of FillP

Start at: 2018-02-02 12:39:04
End at: 2018-02-02 12:39:34
Local clock offset: -0.044 ms
Remote clock offset: -21.009 ms

# Below is generated by plot.py at 2018-02-02 16:53:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 4.804 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 4.804 ms
Loss rate: 2.55%
```

Run 1: Report of FillP — Data Link

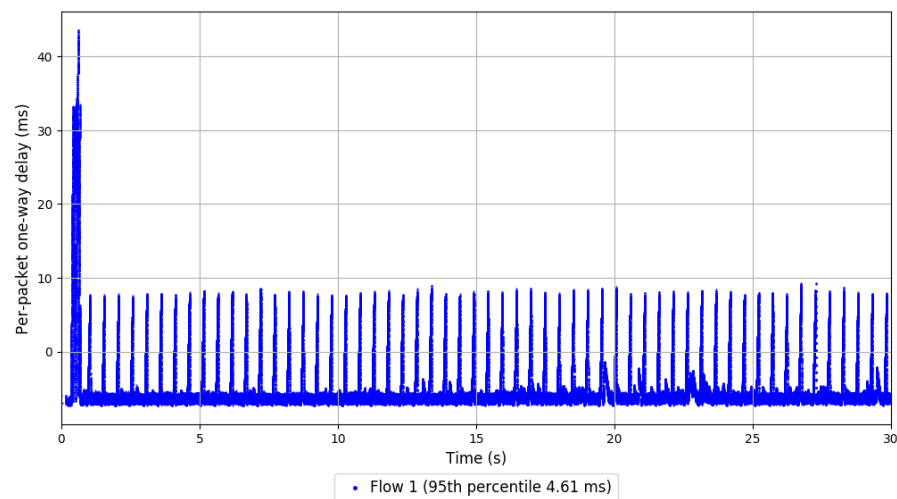
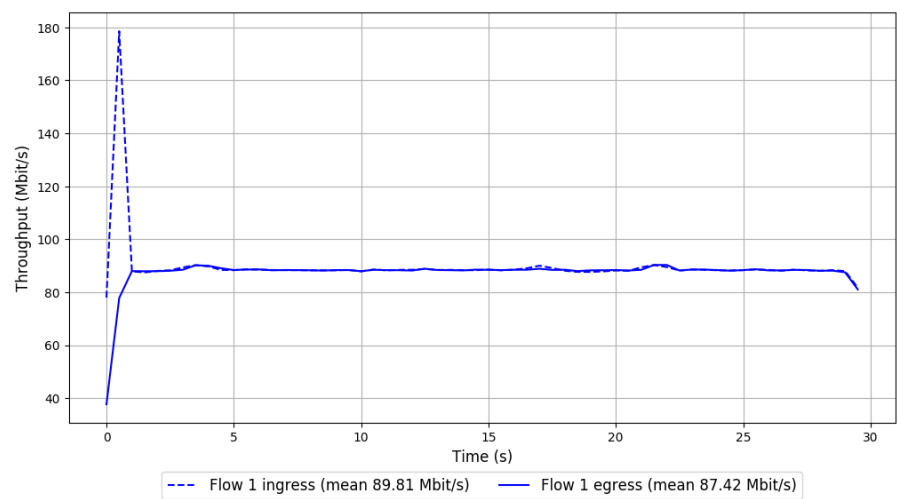


Run 2: Statistics of FillP

Start at: 2018-02-02 13:00:53
End at: 2018-02-02 13:01:23
Local clock offset: 1.818 ms
Remote clock offset: -22.615 ms

Below is generated by plot.py at 2018-02-02 16:54:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 4.610 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 4.610 ms
Loss rate: 2.65%

Run 2: Report of FillP — Data Link

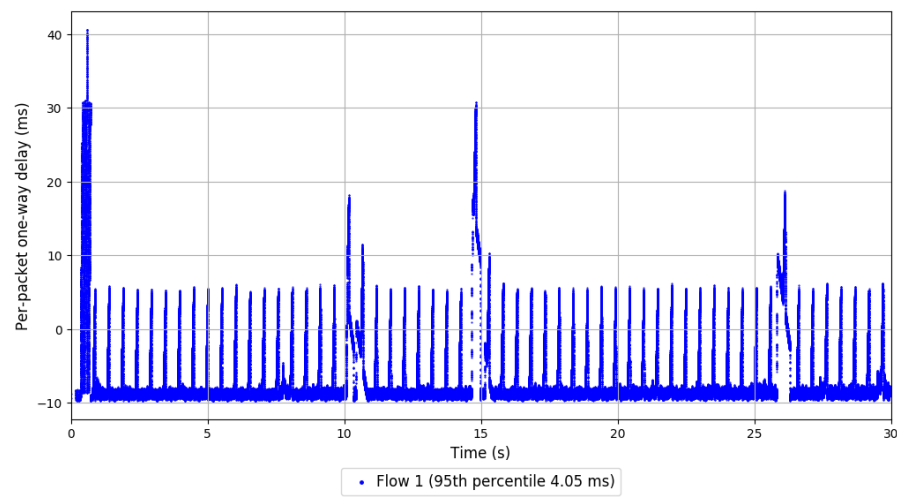
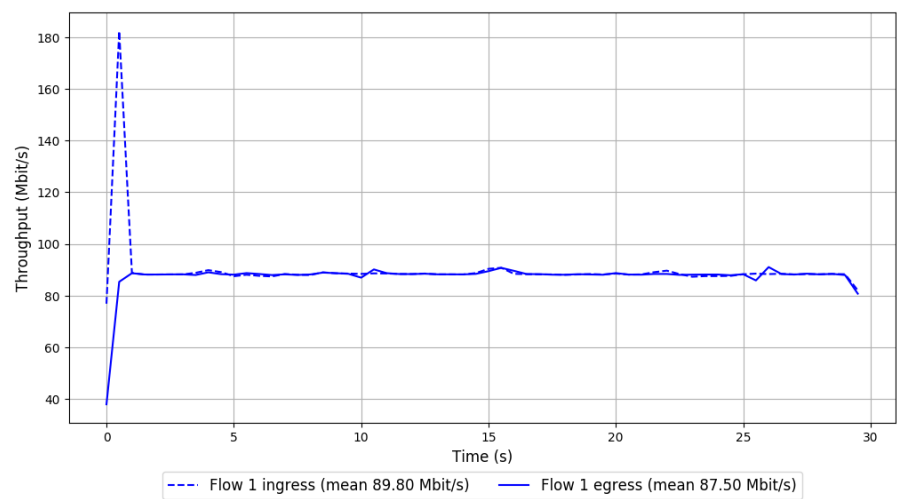


Run 3: Statistics of FillP

Start at: 2018-02-02 13:22:53
End at: 2018-02-02 13:23:23
Local clock offset: 5.483 ms
Remote clock offset: -23.87 ms

Below is generated by plot.py at 2018-02-02 16:54:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 4.050 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 4.050 ms
Loss rate: 2.56%

Run 3: Report of FillP — Data Link

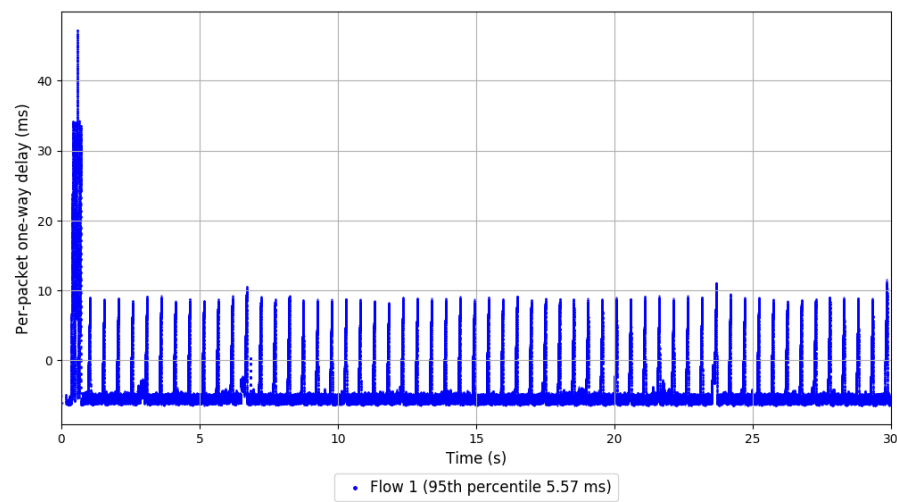
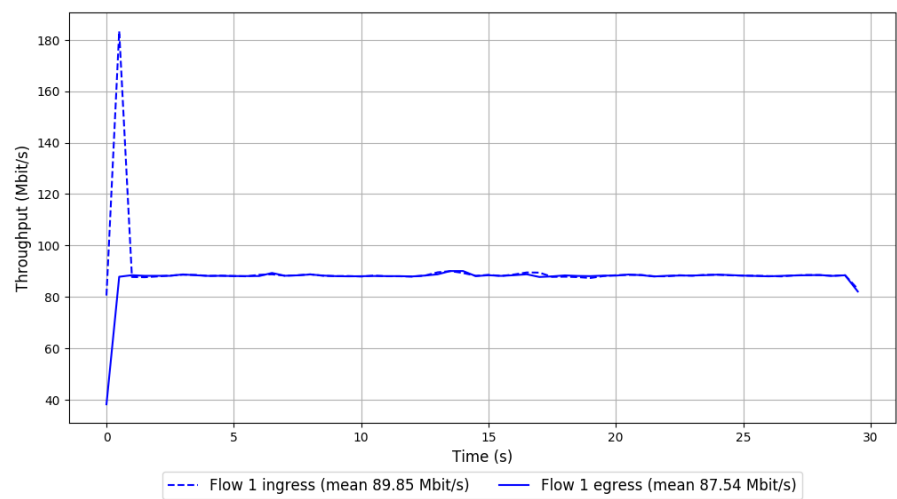


Run 4: Statistics of FillP

Start at: 2018-02-02 13:44:51
End at: 2018-02-02 13:45:21
Local clock offset: 3.465 ms
Remote clock offset: -20.156 ms

Below is generated by plot.py at 2018-02-02 16:54:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 5.574 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 5.574 ms
Loss rate: 2.57%

Run 4: Report of FillP — Data Link

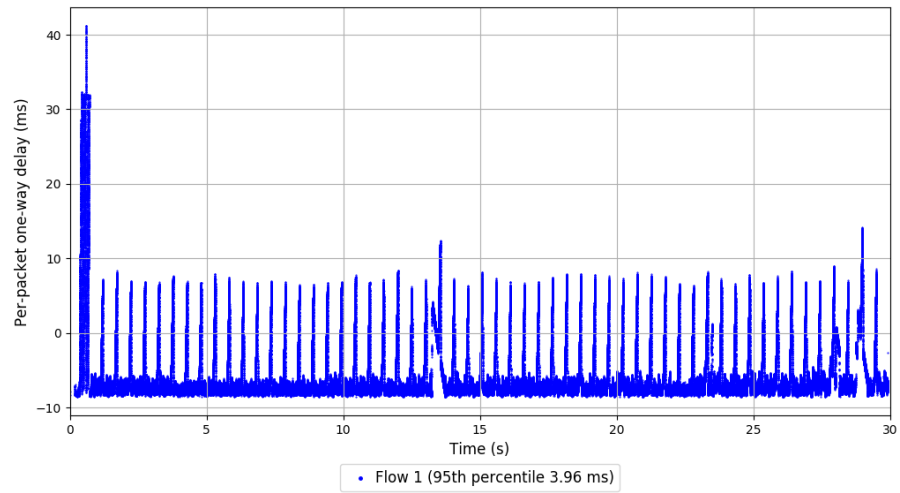
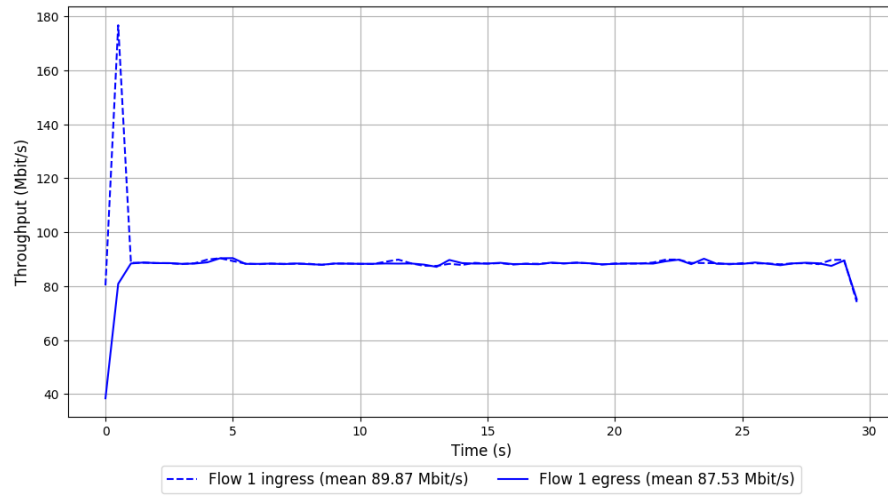


Run 5: Statistics of FillP

Start at: 2018-02-02 14:06:35
End at: 2018-02-02 14:07:05
Local clock offset: 2.316 ms
Remote clock offset: -19.611 ms

Below is generated by plot.py at 2018-02-02 16:54:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.53 Mbit/s
95th percentile per-packet one-way delay: 3.963 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 87.53 Mbit/s
95th percentile per-packet one-way delay: 3.963 ms
Loss rate: 2.59%

Run 5: Report of FillP — Data Link

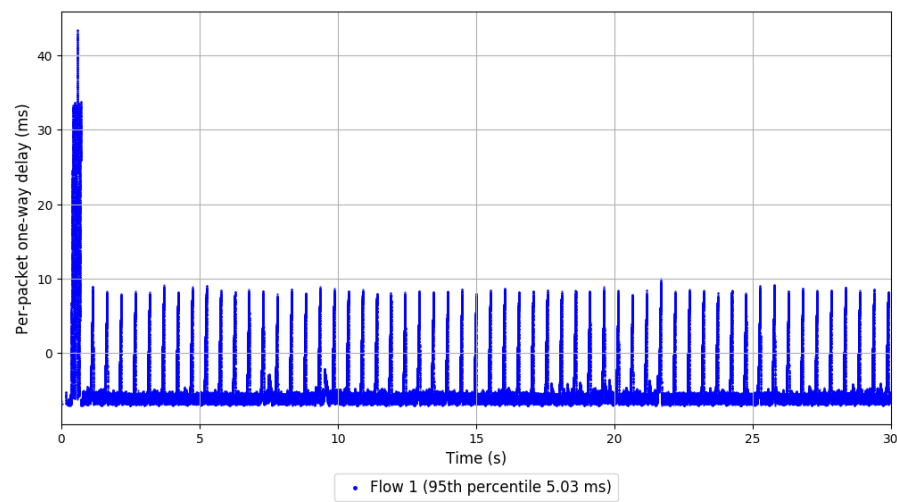
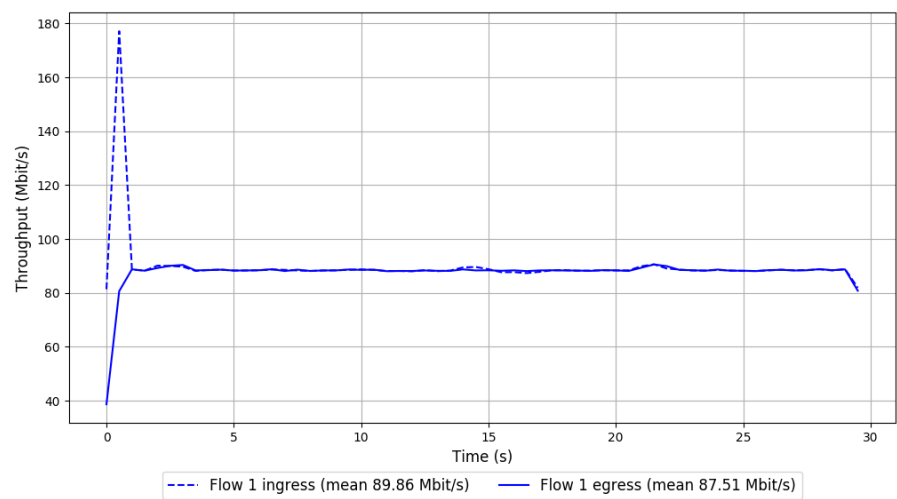


Run 6: Statistics of FillP

Start at: 2018-02-02 14:28:11
End at: 2018-02-02 14:28:41
Local clock offset: 1.943 ms
Remote clock offset: -15.314 ms

Below is generated by plot.py at 2018-02-02 16:54:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 5.026 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 5.026 ms
Loss rate: 2.61%

Run 6: Report of FillP — Data Link

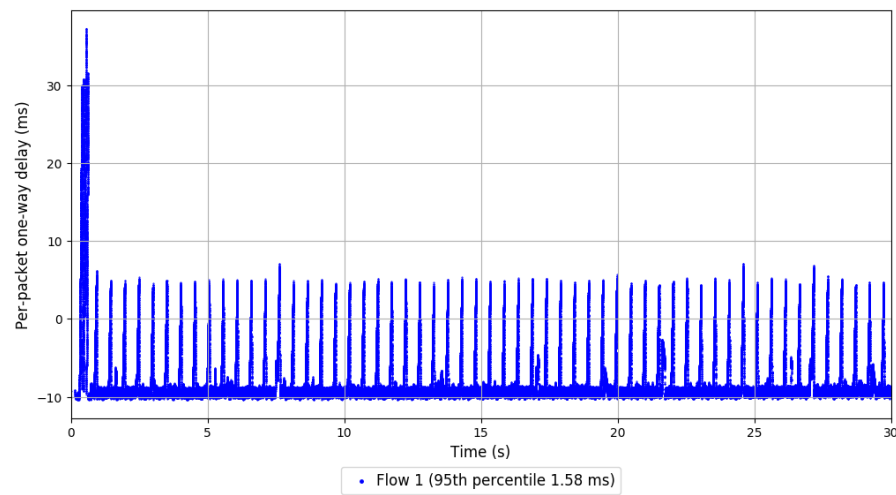
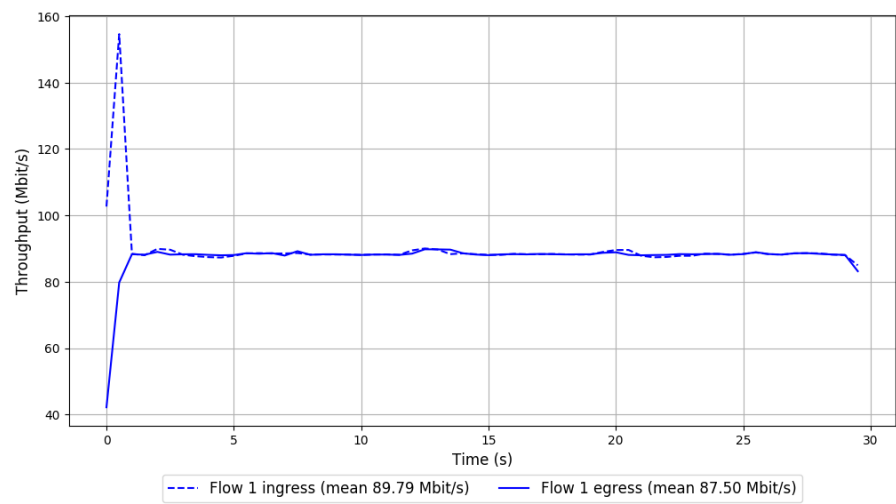


Run 7: Statistics of FillP

Start at: 2018-02-02 14:49:59
End at: 2018-02-02 14:50:29
Local clock offset: 4.647 ms
Remote clock offset: -18.604 ms

Below is generated by plot.py at 2018-02-02 16:54:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 1.578 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 1.578 ms
Loss rate: 2.55%

Run 7: Report of FillP — Data Link

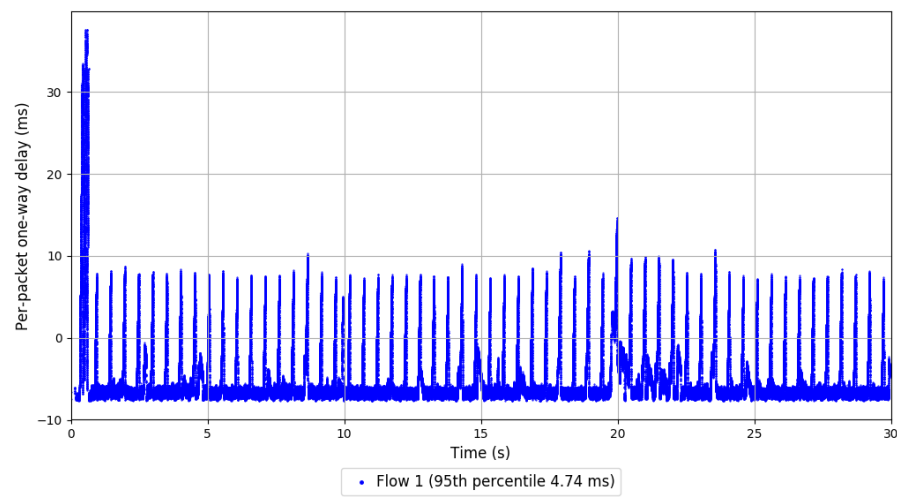
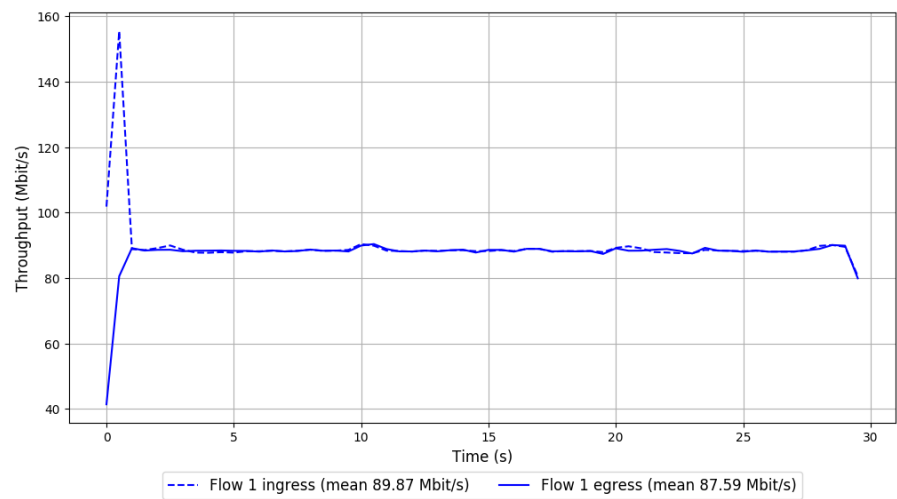


Run 8: Statistics of FillP

Start at: 2018-02-02 15:11:45
End at: 2018-02-02 15:12:15
Local clock offset: 3.108 ms
Remote clock offset: -18.971 ms

Below is generated by plot.py at 2018-02-02 16:54:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 4.741 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 4.741 ms
Loss rate: 2.53%

Run 8: Report of FillP — Data Link

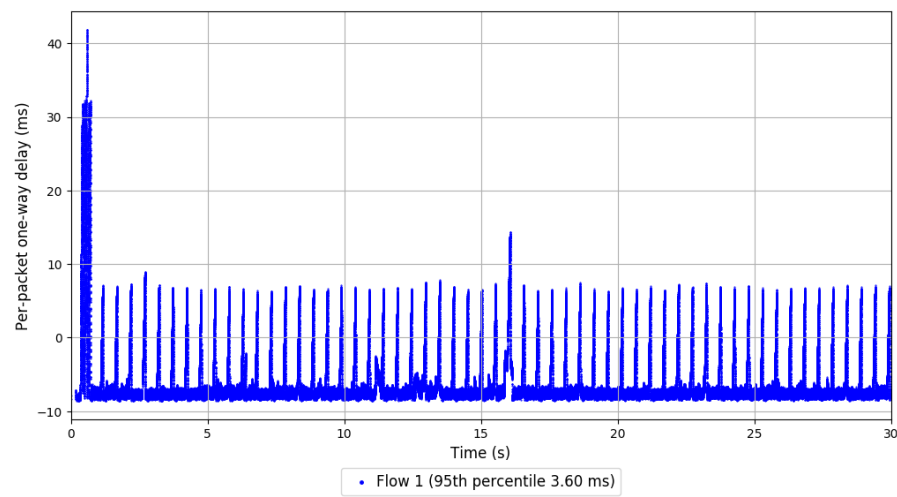
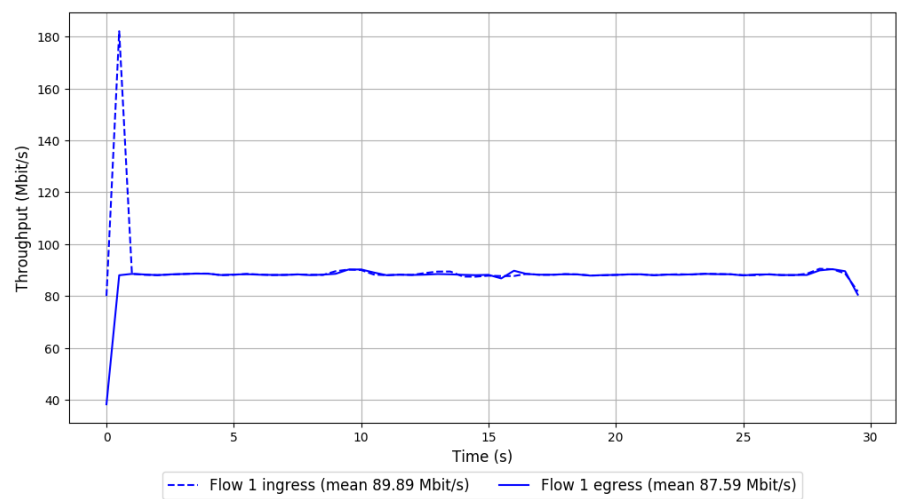


Run 9: Statistics of FillP

Start at: 2018-02-02 15:33:37
End at: 2018-02-02 15:34:07
Local clock offset: 3.806 ms
Remote clock offset: -22.077 ms

Below is generated by plot.py at 2018-02-02 16:56:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 3.602 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 3.602 ms
Loss rate: 2.55%

Run 9: Report of FillP — Data Link

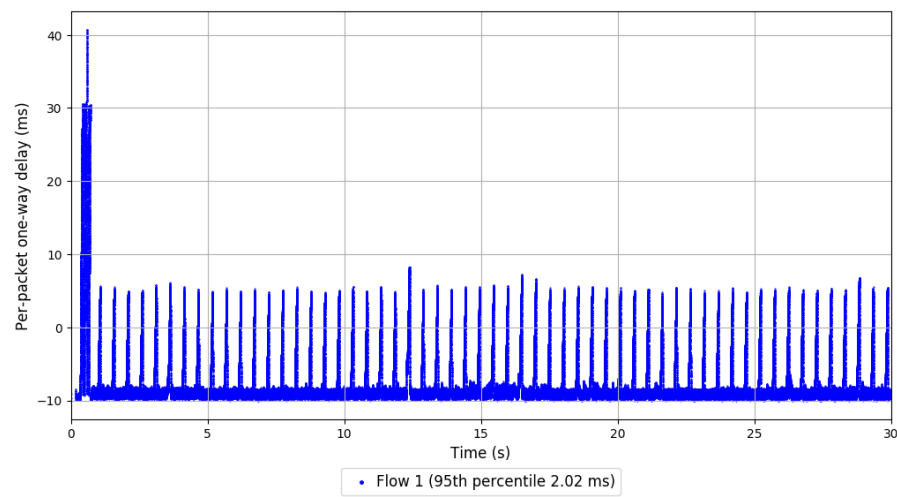
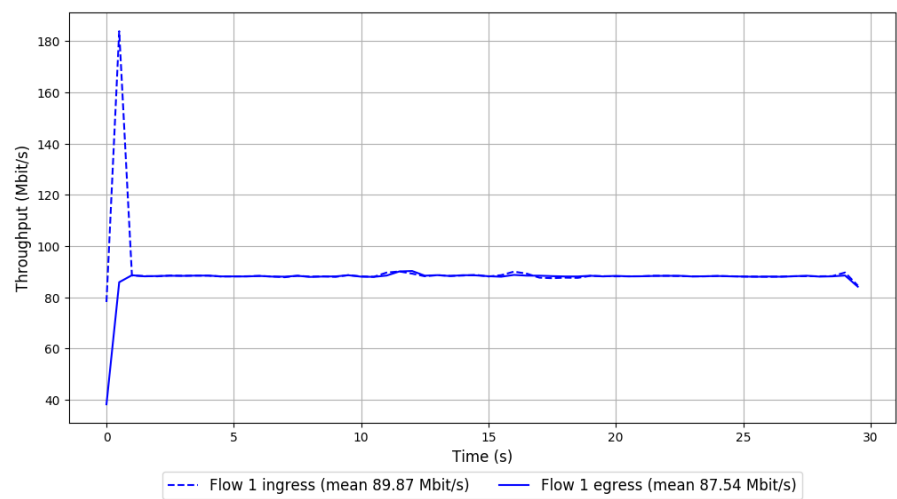


Run 10: Statistics of FillP

Start at: 2018-02-02 15:55:19
End at: 2018-02-02 15:55:49
Local clock offset: 5.573 ms
Remote clock offset: -22.201 ms

Below is generated by plot.py at 2018-02-02 16:56:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 2.020 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 2.020 ms
Loss rate: 2.59%

Run 10: Report of FillP — Data Link

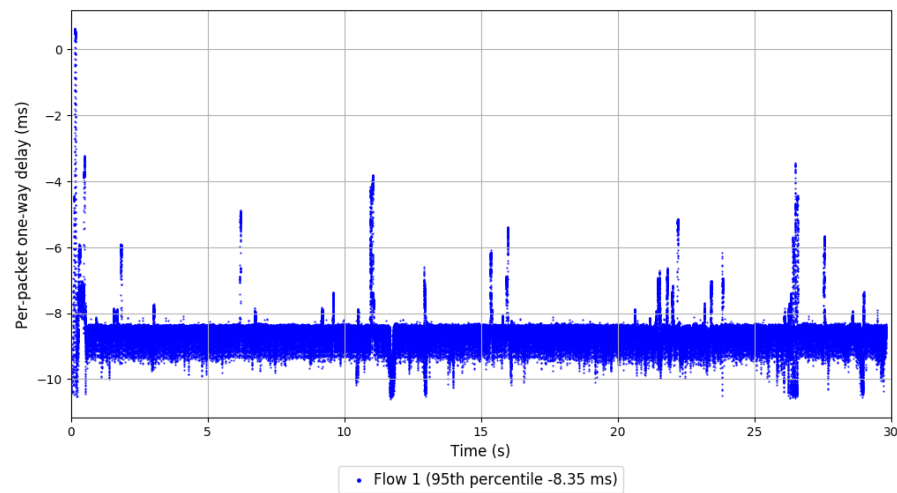
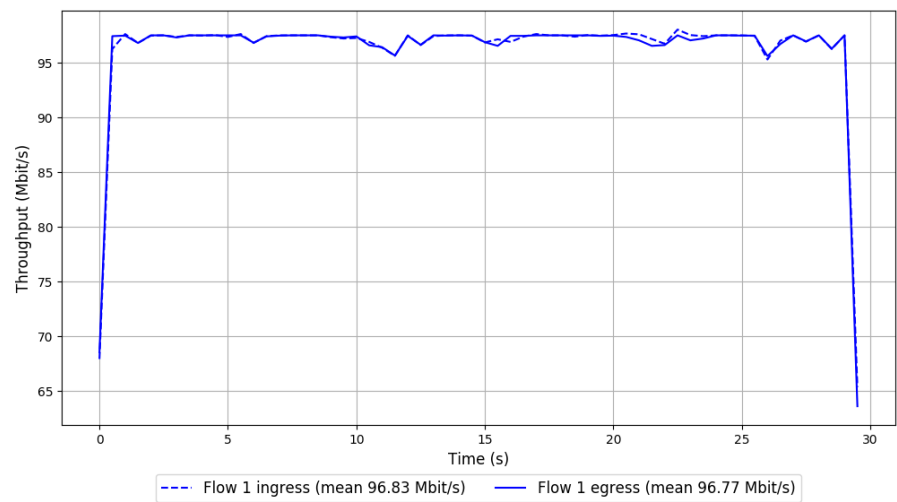


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-02 12:32:55
End at: 2018-02-02 12:33:25
Local clock offset: 1.021 ms
Remote clock offset: -23.552 ms

# Below is generated by plot.py at 2018-02-02 16:56:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: -8.349 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: -8.349 ms
Loss rate: 0.05%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-02 12:54:47

End at: 2018-02-02 12:55:17

Local clock offset: 2.931 ms

Remote clock offset: -21.159 ms

Below is generated by plot.py at 2018-02-02 16:56:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.76 Mbit/s

95th percentile per-packet one-way delay: -3.996 ms

Loss rate: 0.18%

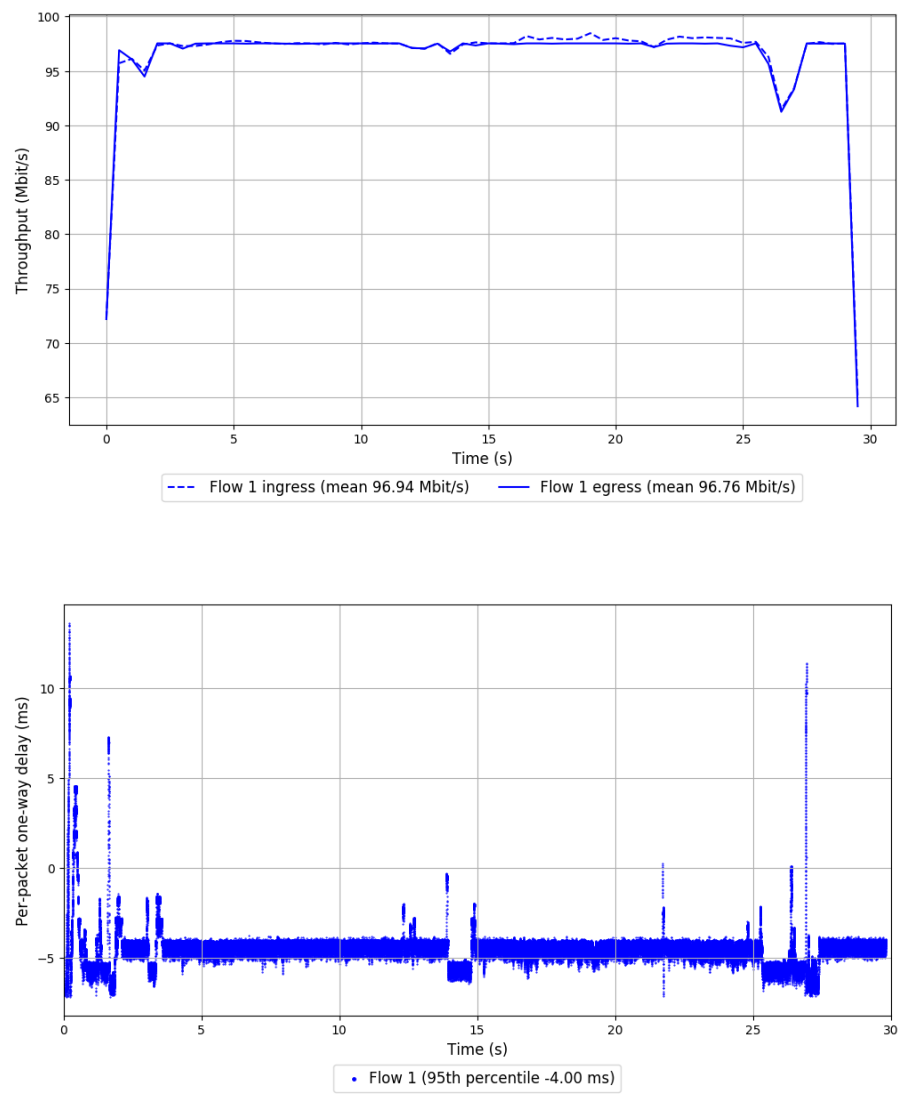
-- Flow 1:

Average throughput: 96.76 Mbit/s

95th percentile per-packet one-way delay: -3.996 ms

Loss rate: 0.18%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-02 13:16:50

End at: 2018-02-02 13:17:20

Local clock offset: 0.849 ms

Remote clock offset: -23.404 ms

Below is generated by plot.py at 2018-02-02 16:56:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: -2.331 ms

Loss rate: 0.35%

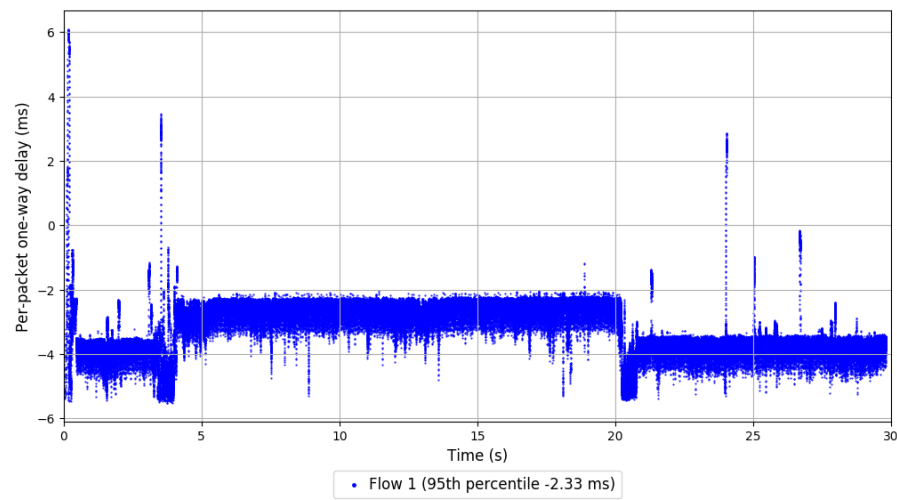
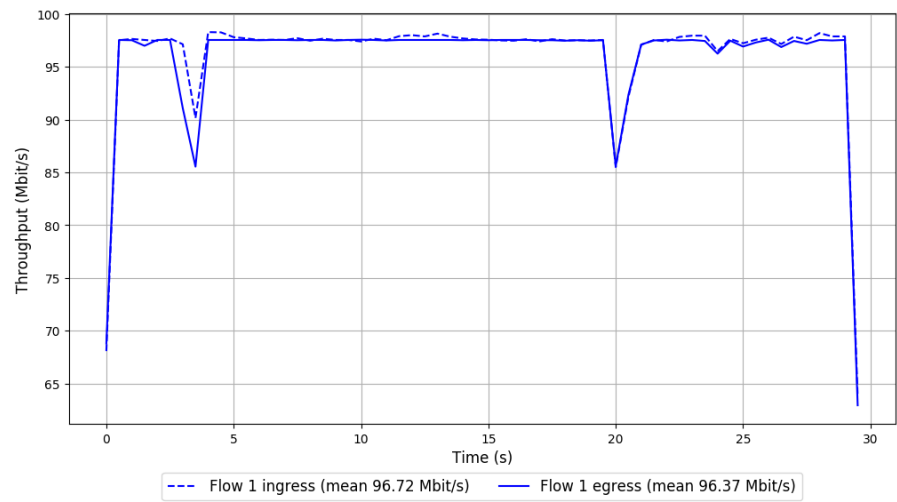
-- Flow 1:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: -2.331 ms

Loss rate: 0.35%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-02 13:38:53

End at: 2018-02-02 13:39:23

Local clock offset: 2.047 ms

Remote clock offset: -20.904 ms

Below is generated by plot.py at 2018-02-02 16:56:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: -2.038 ms

Loss rate: 0.00%

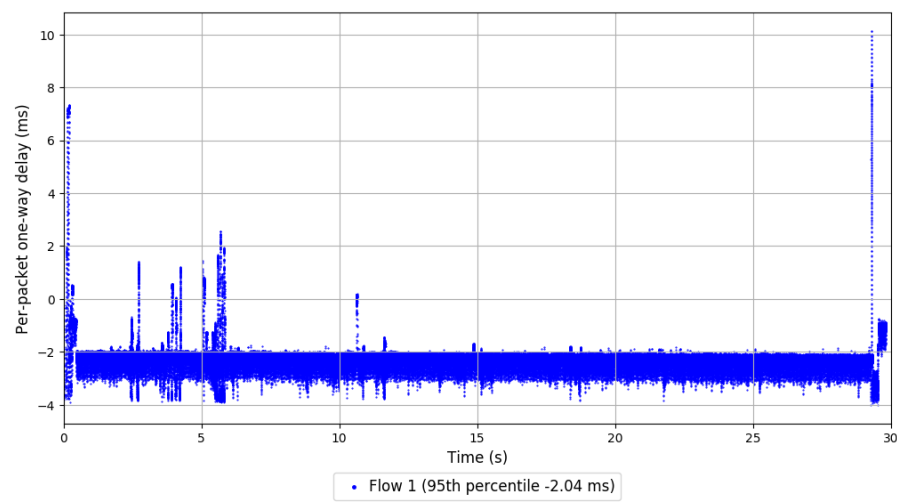
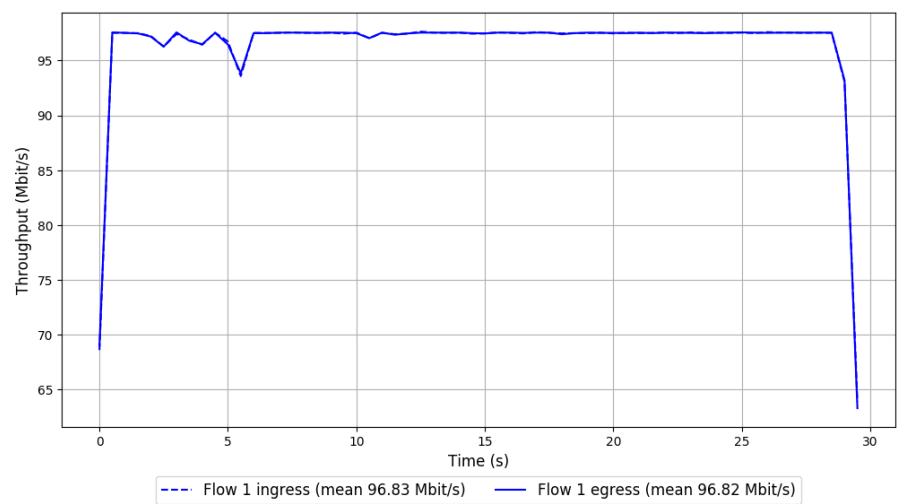
-- Flow 1:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: -2.038 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-02 14:00:33

End at: 2018-02-02 14:01:03

Local clock offset: 2.932 ms

Remote clock offset: -20.083 ms

Below is generated by plot.py at 2018-02-02 16:56:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.83 Mbit/s

95th percentile per-packet one-way delay: -5.359 ms

Loss rate: 0.02%

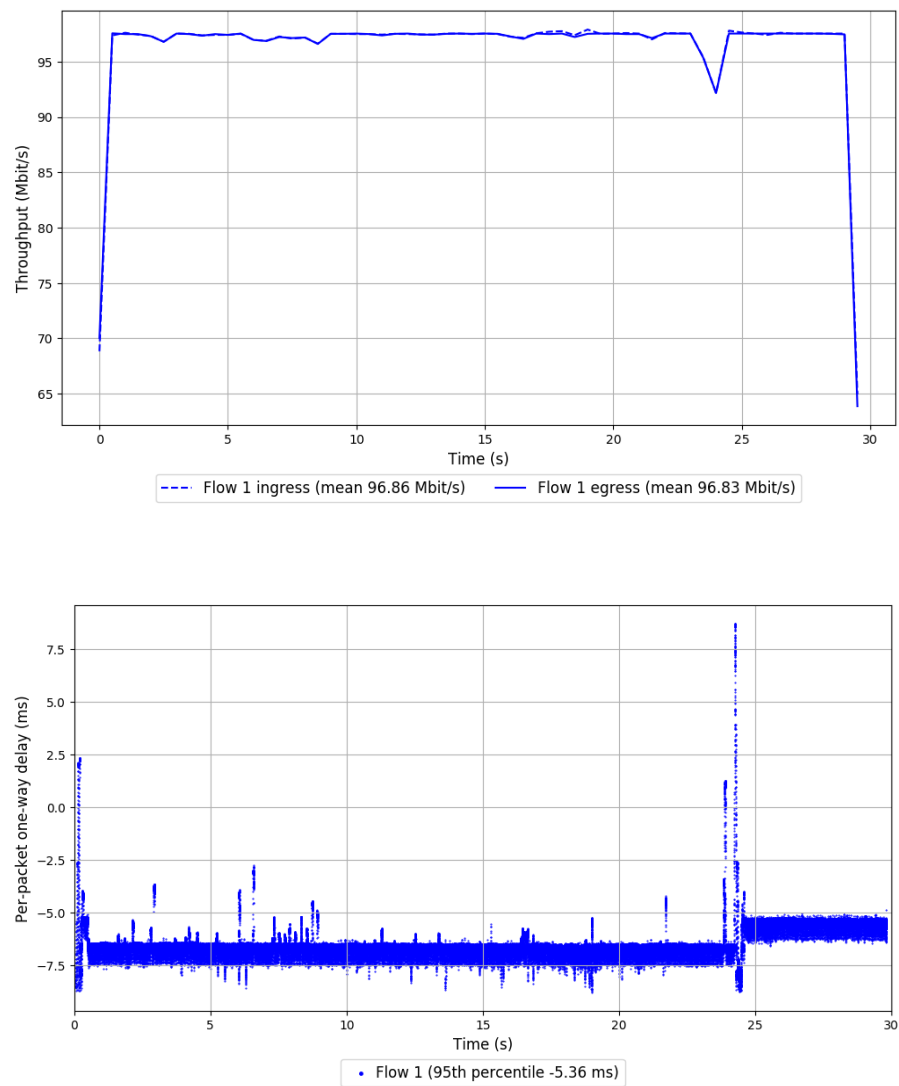
-- Flow 1:

Average throughput: 96.83 Mbit/s

95th percentile per-packet one-way delay: -5.359 ms

Loss rate: 0.02%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-02 14:22:07

End at: 2018-02-02 14:22:37

Local clock offset: 1.257 ms

Remote clock offset: -17.352 ms

Below is generated by plot.py at 2018-02-02 16:56:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: -5.054 ms

Loss rate: 0.00%

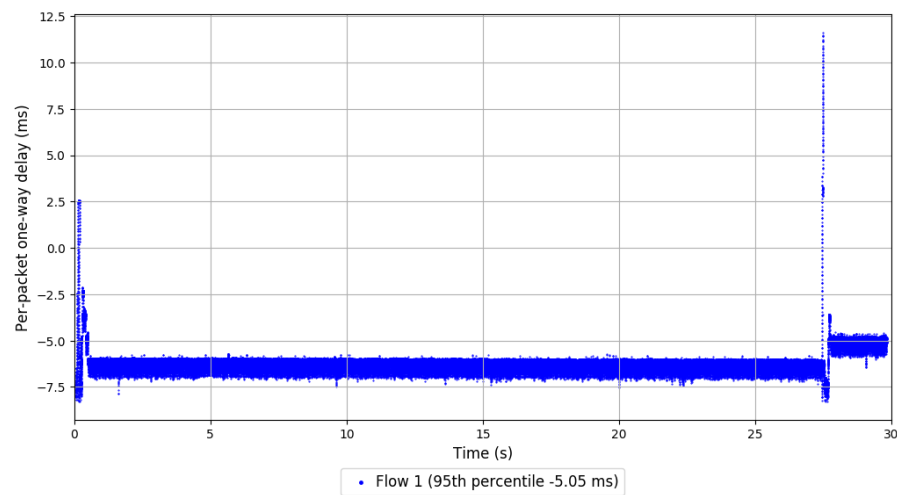
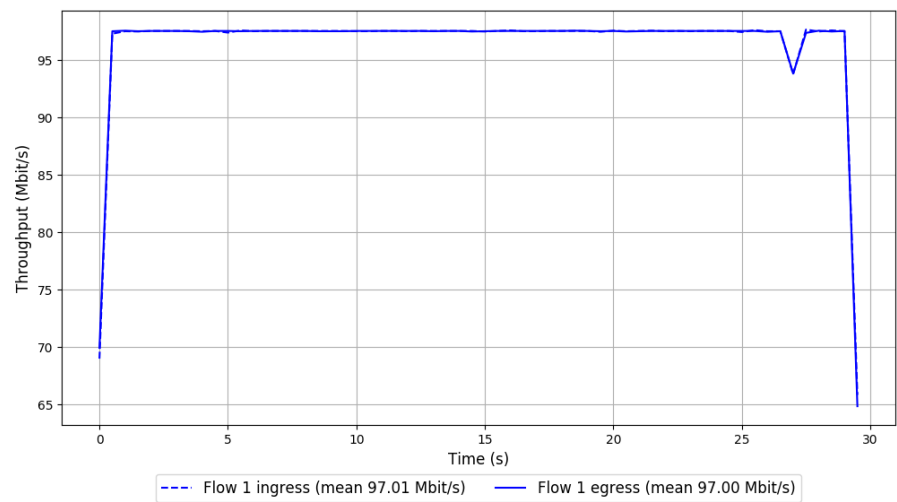
-- Flow 1:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: -5.054 ms

Loss rate: 0.00%

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

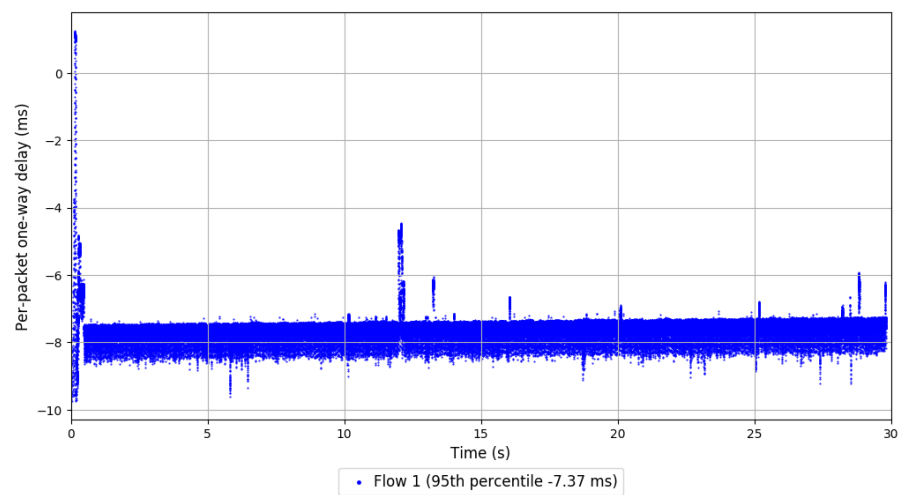
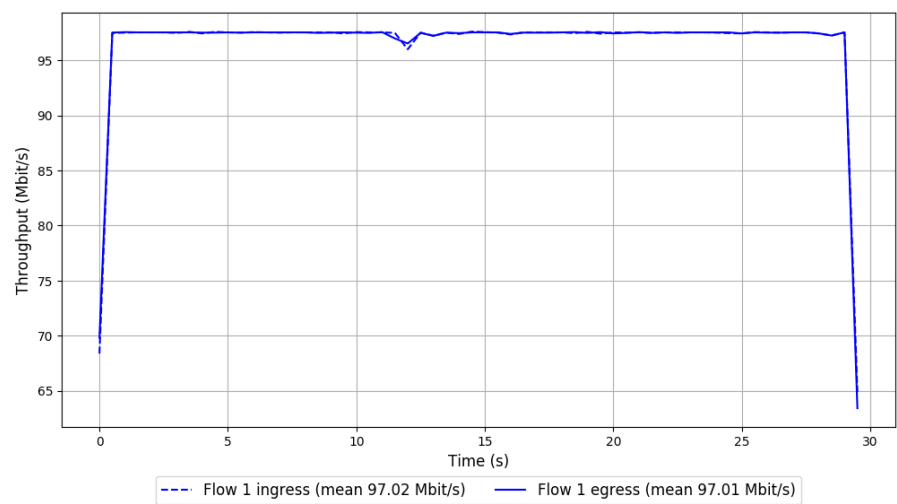


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-02 14:43:59
End at: 2018-02-02 14:44:29
Local clock offset: 4.806 ms
Remote clock offset: -16.209 ms

Below is generated by plot.py at 2018-02-02 16:57:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: -7.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: -7.373 ms
Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-02 15:05:43

End at: 2018-02-02 15:06:13

Local clock offset: 3.673 ms

Remote clock offset: -18.884 ms

Below is generated by plot.py at 2018-02-02 16:57:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: -4.696 ms

Loss rate: 0.00%

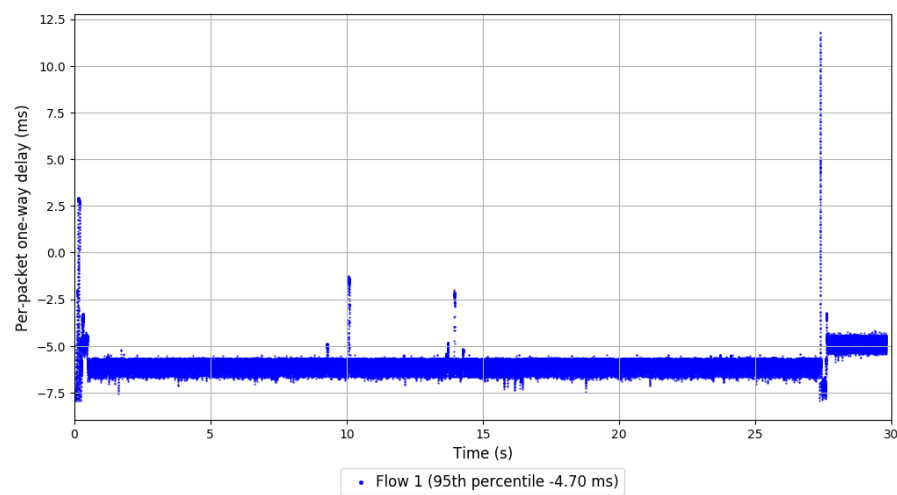
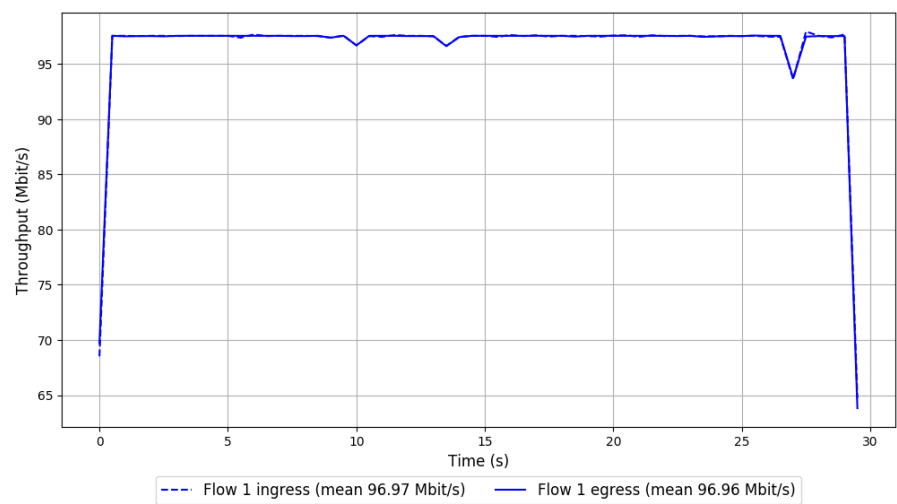
-- Flow 1:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: -4.696 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-02 15:27:36

End at: 2018-02-02 15:28:06

Local clock offset: 1.717 ms

Remote clock offset: -21.178 ms

Below is generated by plot.py at 2018-02-02 16:57:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: -2.574 ms

Loss rate: 0.00%

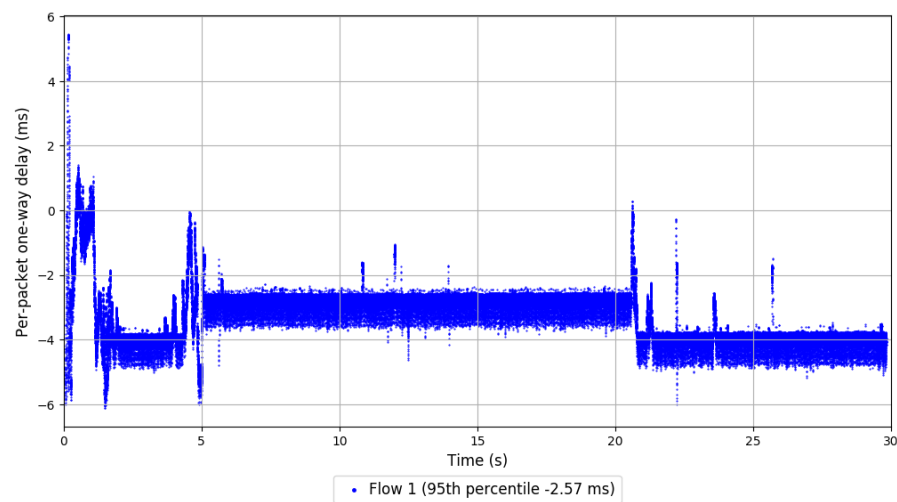
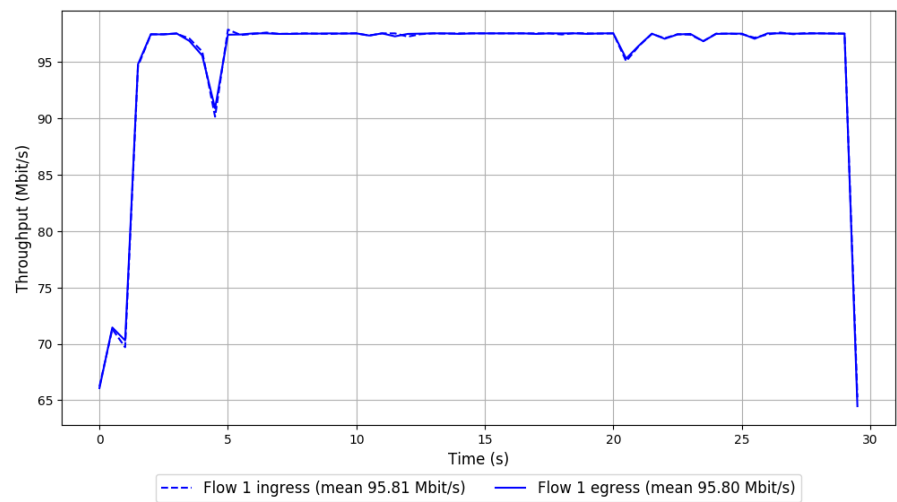
-- Flow 1:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: -2.574 ms

Loss rate: 0.00%

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

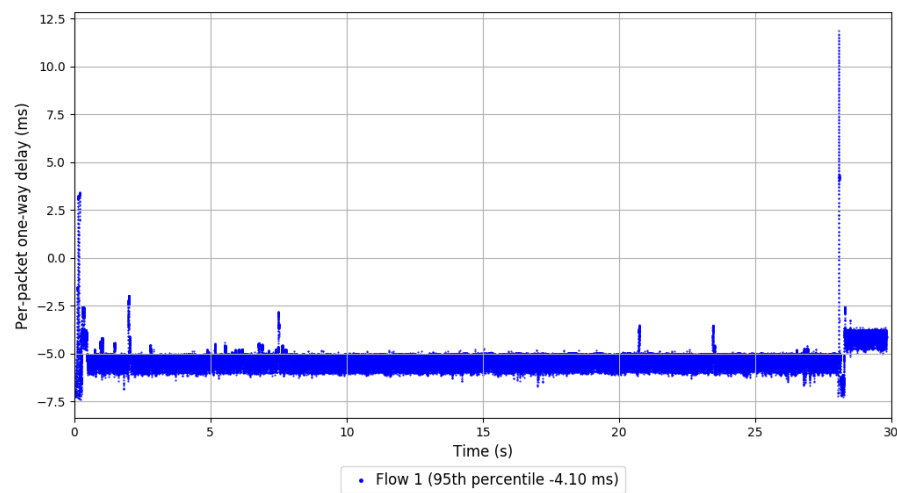
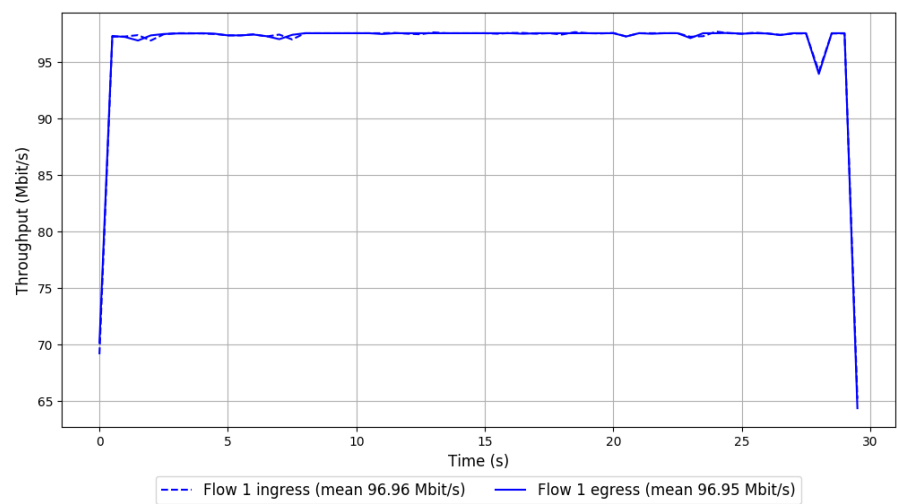


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-02 15:49:18
End at: 2018-02-02 15:49:48
Local clock offset: 3.377 ms
Remote clock offset: -23.162 ms

Below is generated by plot.py at 2018-02-02 16:57:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: -4.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: -4.103 ms
Loss rate: 0.00%

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

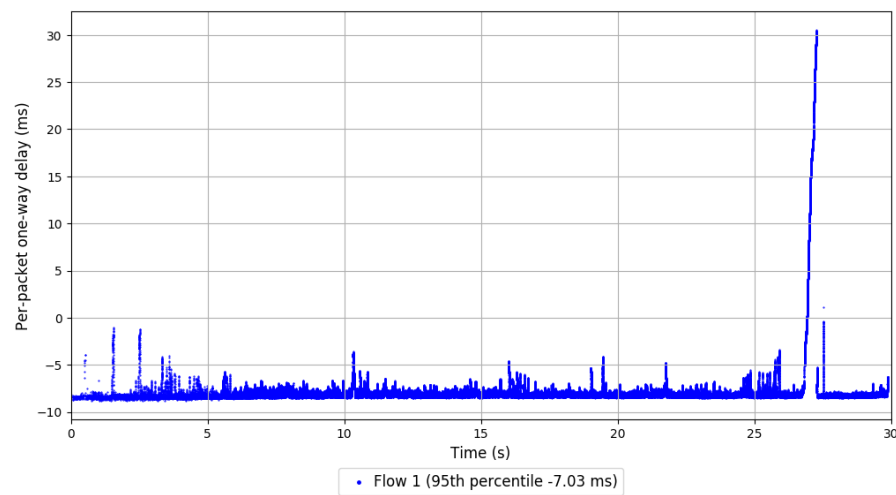
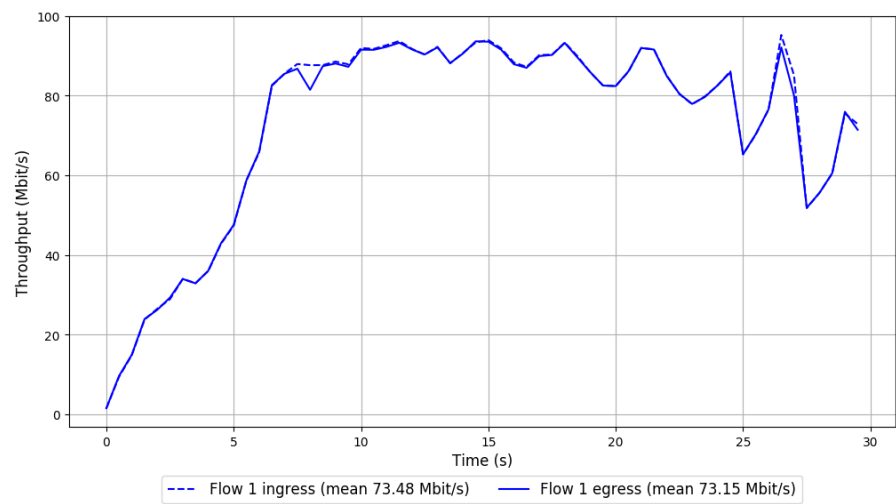


Run 1: Statistics of Vivace-latency

Start at: 2018-02-02 12:46:19
End at: 2018-02-02 12:46:49
Local clock offset: 0.979 ms
Remote clock offset: -23.347 ms

Below is generated by plot.py at 2018-02-02 16:57:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: -7.027 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: -7.027 ms
Loss rate: 0.46%

Run 1: Report of Vivace-latency — Data Link

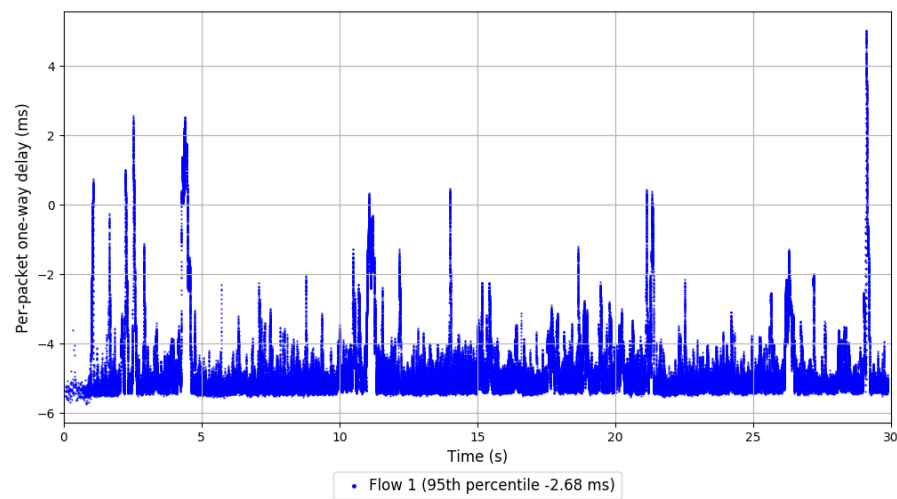
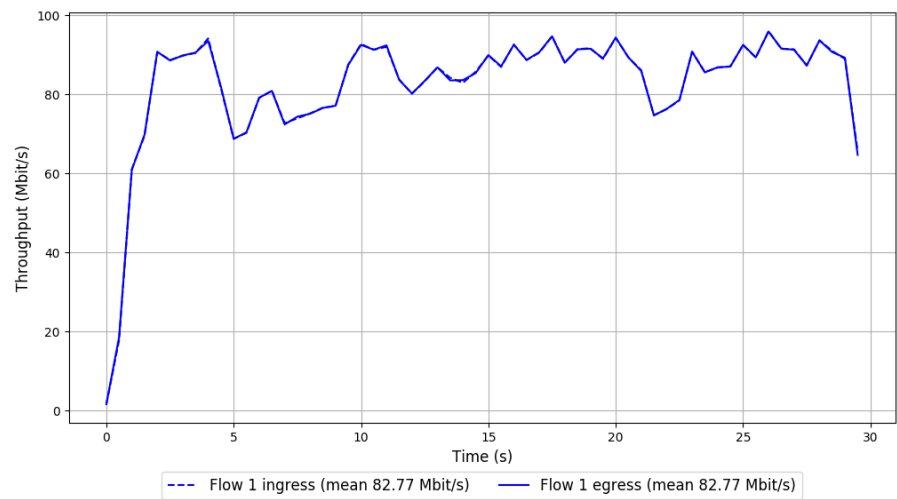


Run 2: Statistics of Vivace-latency

Start at: 2018-02-02 13:08:00
End at: 2018-02-02 13:08:30
Local clock offset: 0.57 ms
Remote clock offset: -22.757 ms

Below is generated by plot.py at 2018-02-02 16:57:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: -2.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: -2.682 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

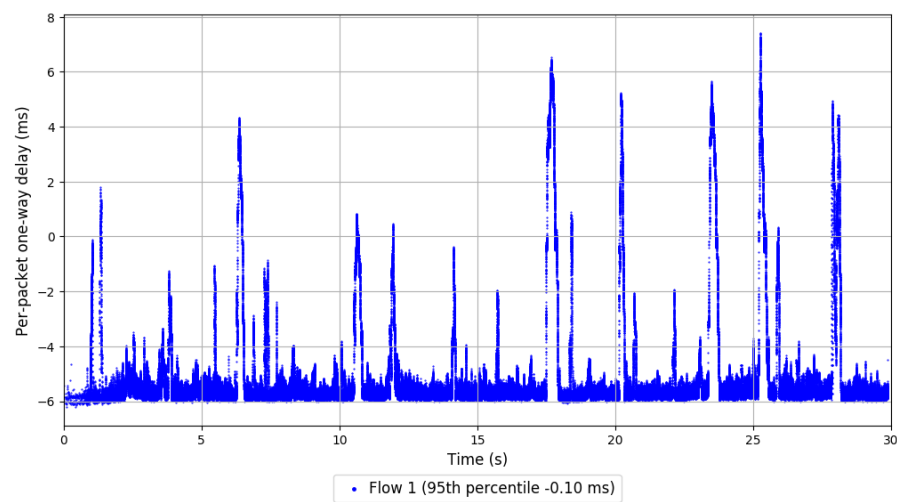
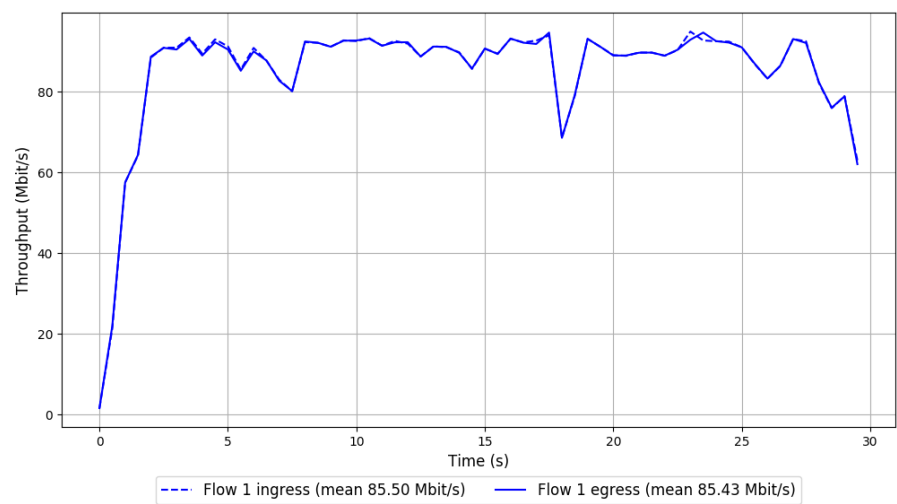


Run 3: Statistics of Vivace-latency

Start at: 2018-02-02 13:30:23
End at: 2018-02-02 13:30:53
Local clock offset: 3.032 ms
Remote clock offset: -23.675 ms

Below is generated by plot.py at 2018-02-02 16:57:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: -0.099 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: -0.099 ms
Loss rate: 0.08%

Run 3: Report of Vivace-latency — Data Link

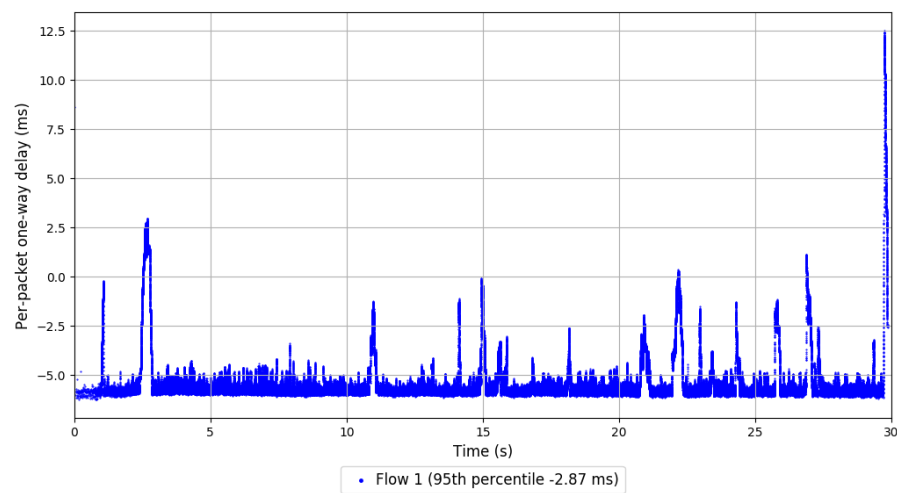
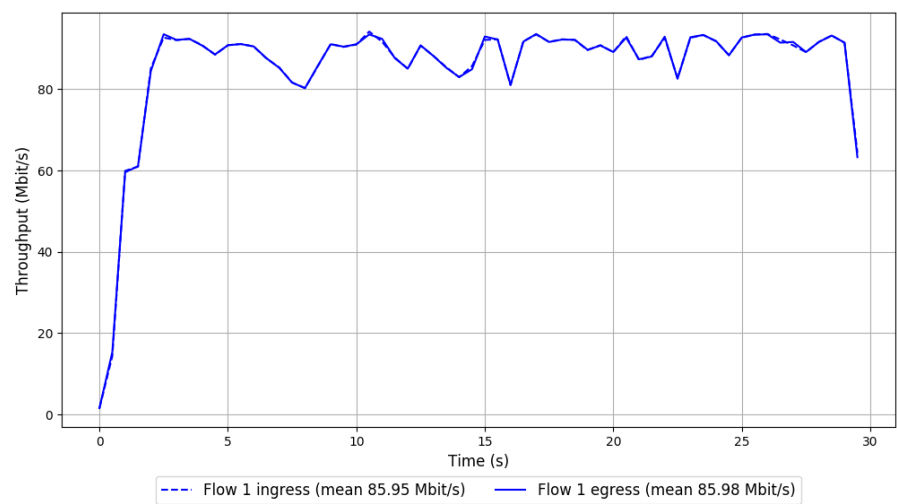


Run 4: Statistics of Vivace-latency

Start at: 2018-02-02 13:52:07
End at: 2018-02-02 13:52:37
Local clock offset: 1.914 ms
Remote clock offset: -19.962 ms

Below is generated by plot.py at 2018-02-02 16:57:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: -2.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: -2.866 ms
Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

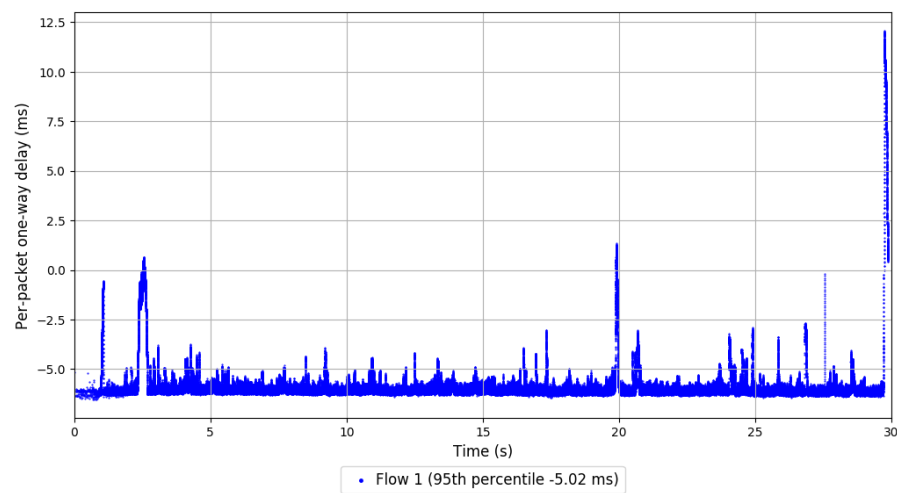
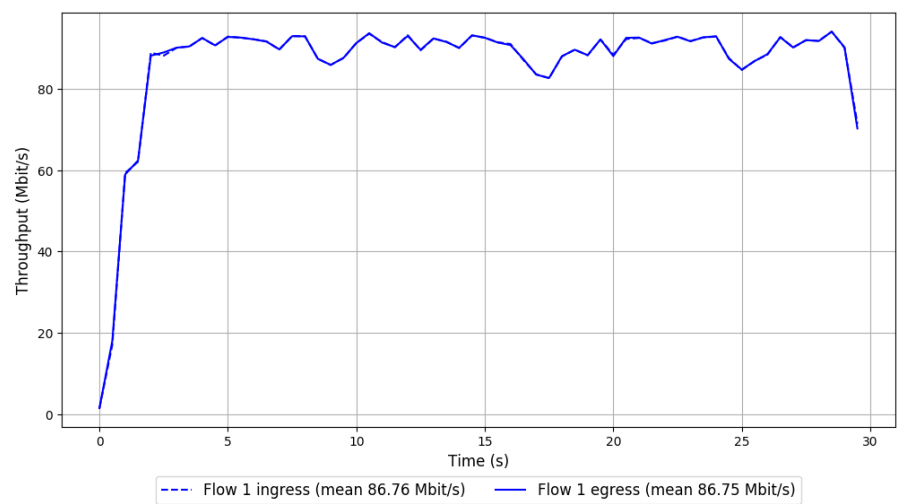


Run 5: Statistics of Vivace-latency

Start at: 2018-02-02 14:13:43
End at: 2018-02-02 14:14:13
Local clock offset: 0.527 ms
Remote clock offset: -17.606 ms

Below is generated by plot.py at 2018-02-02 16:58:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: -5.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: -5.019 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

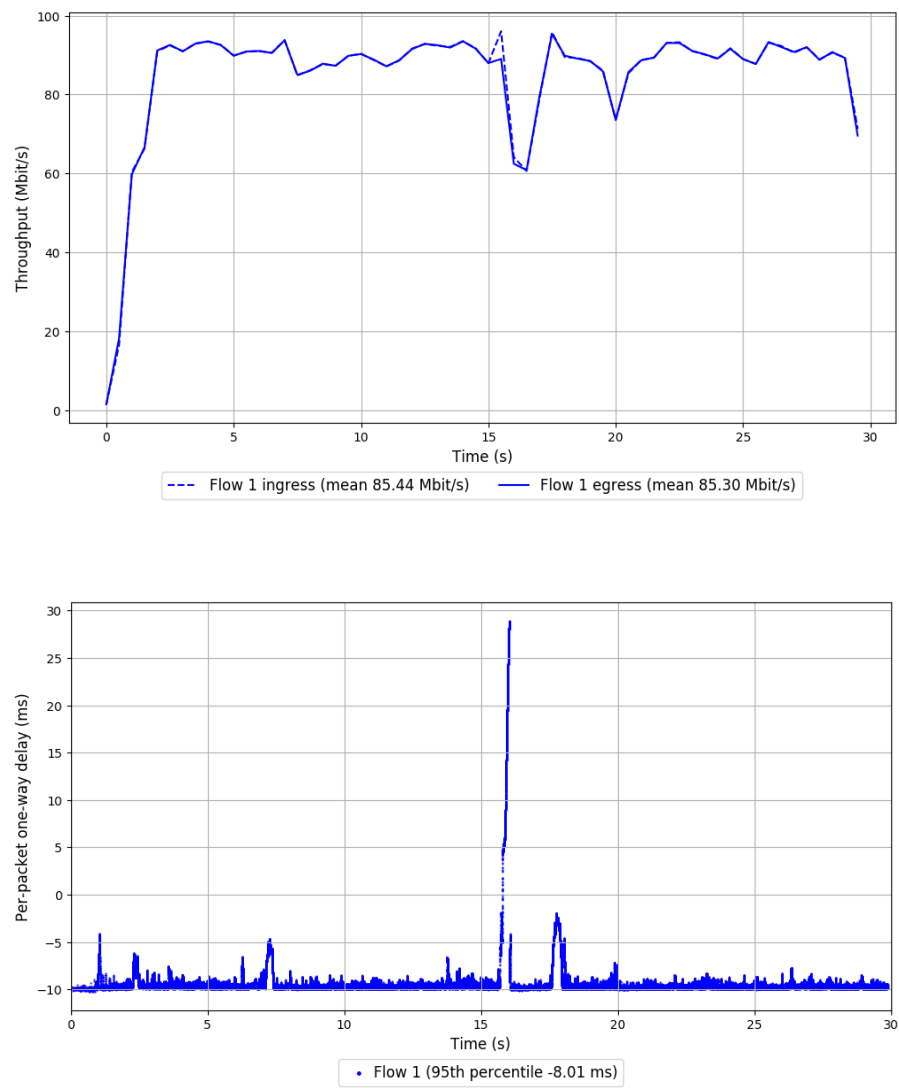


Run 6: Statistics of Vivace-latency

Start at: 2018-02-02 14:35:27
End at: 2018-02-02 14:35:57
Local clock offset: 4.131 ms
Remote clock offset: -16.314 ms

Below is generated by plot.py at 2018-02-02 16:58:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: -8.011 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: -8.011 ms
Loss rate: 0.16%

Run 6: Report of Vivace-latency — Data Link

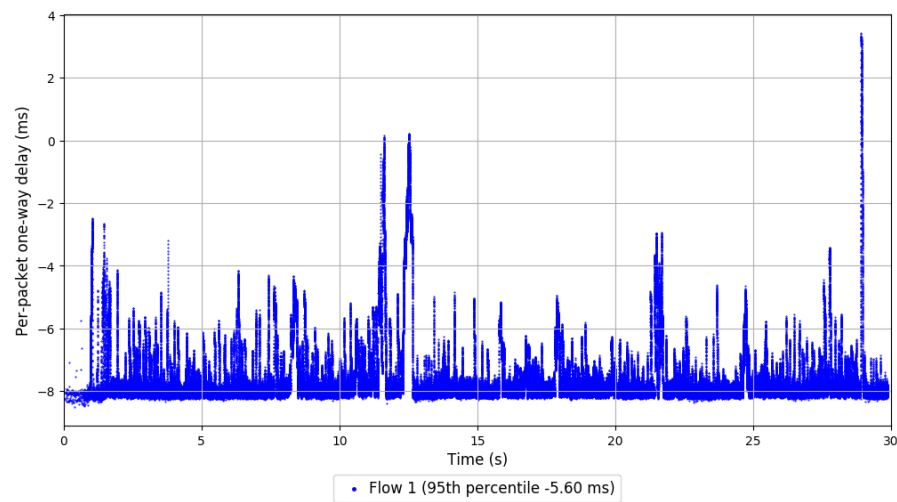
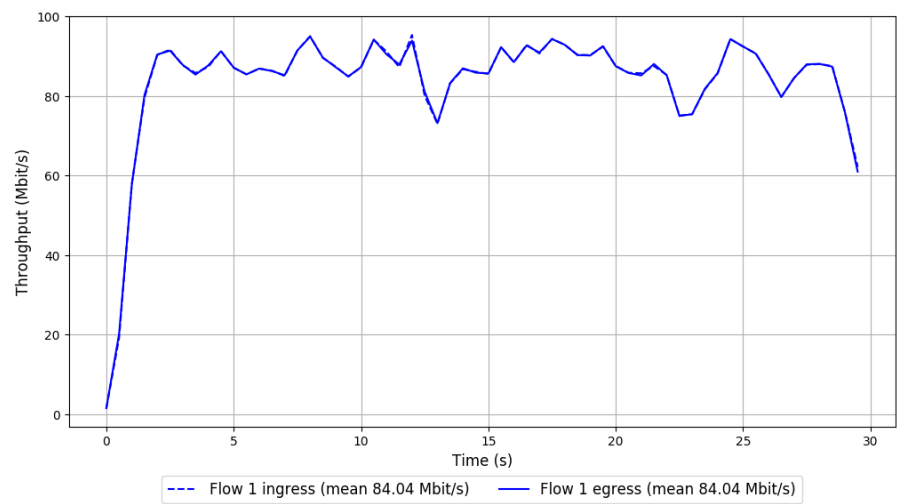


Run 7: Statistics of Vivace-latency

Start at: 2018-02-02 14:57:10
End at: 2018-02-02 14:57:40
Local clock offset: 4.75 ms
Remote clock offset: -17.784 ms

Below is generated by plot.py at 2018-02-02 16:58:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: -5.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: -5.596 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

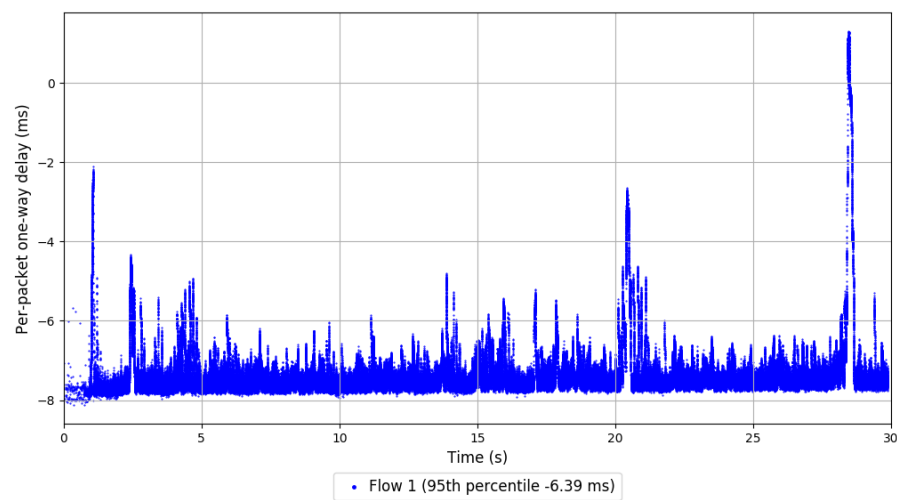
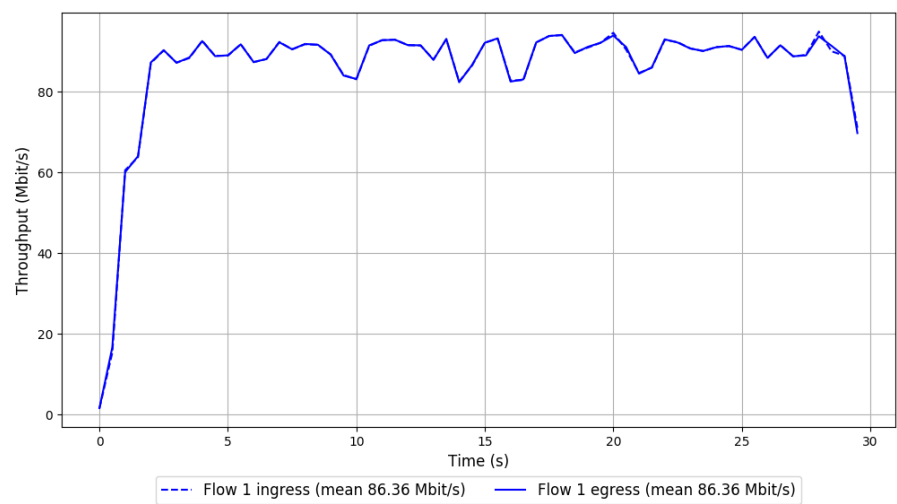


Run 8: Statistics of Vivace-latency

Start at: 2018-02-02 15:18:59
End at: 2018-02-02 15:19:29
Local clock offset: 1.219 ms
Remote clock offset: -22.034 ms

Below is generated by plot.py at 2018-02-02 16:58:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: -6.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: -6.393 ms
Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

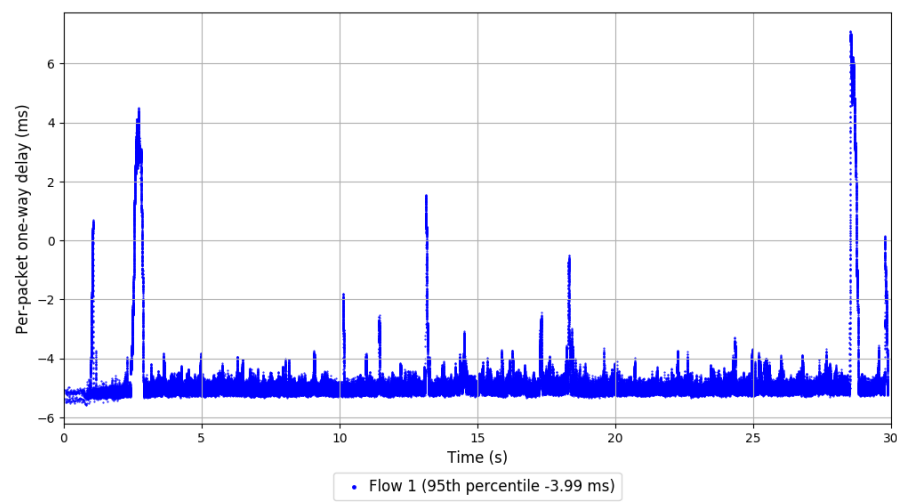
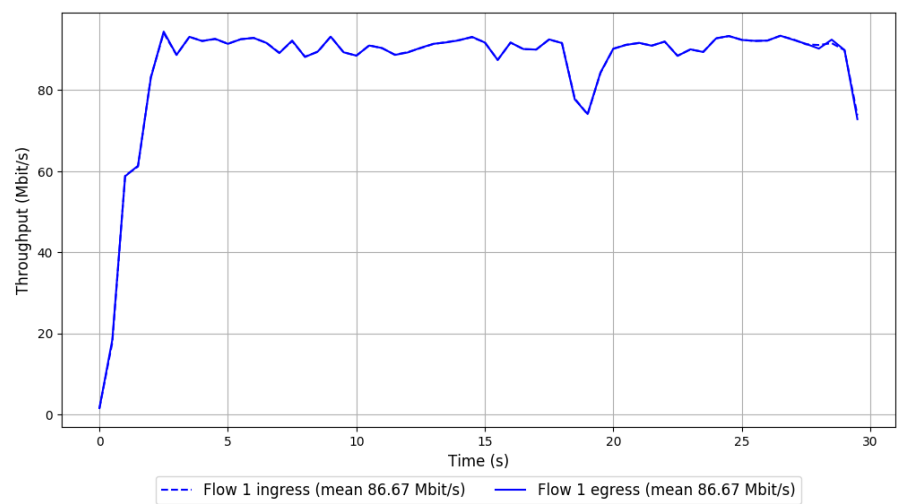


Run 9: Statistics of Vivace-latency

Start at: 2018-02-02 15:40:51
End at: 2018-02-02 15:41:21
Local clock offset: 2.221 ms
Remote clock offset: -21.479 ms

Below is generated by plot.py at 2018-02-02 16:58:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: -3.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: -3.993 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

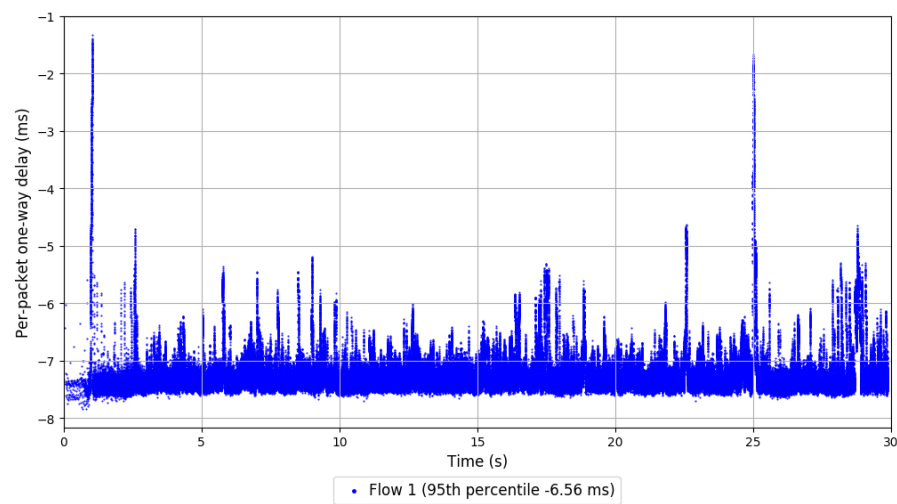
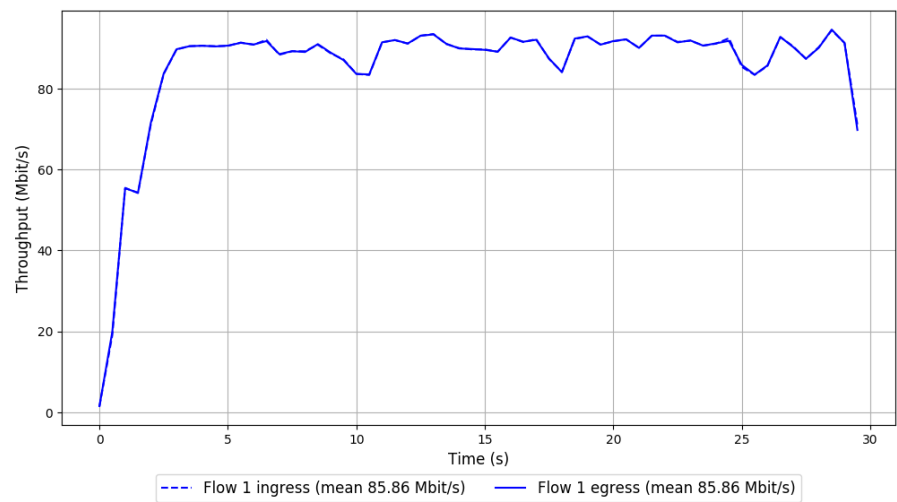


Run 10: Statistics of Vivace-latency

Start at: 2018-02-02 16:02:36
End at: 2018-02-02 16:03:06
Local clock offset: 3.708 ms
Remote clock offset: -21.043 ms

Below is generated by plot.py at 2018-02-02 16:58:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: -6.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: -6.561 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

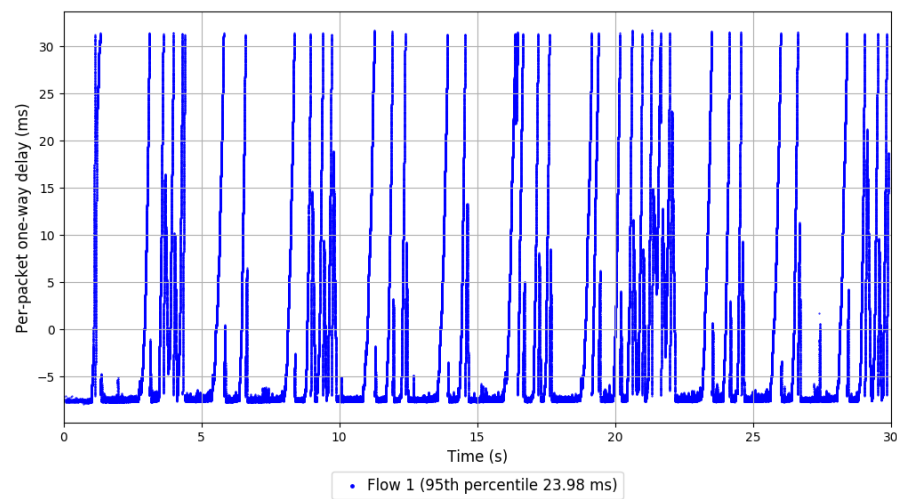
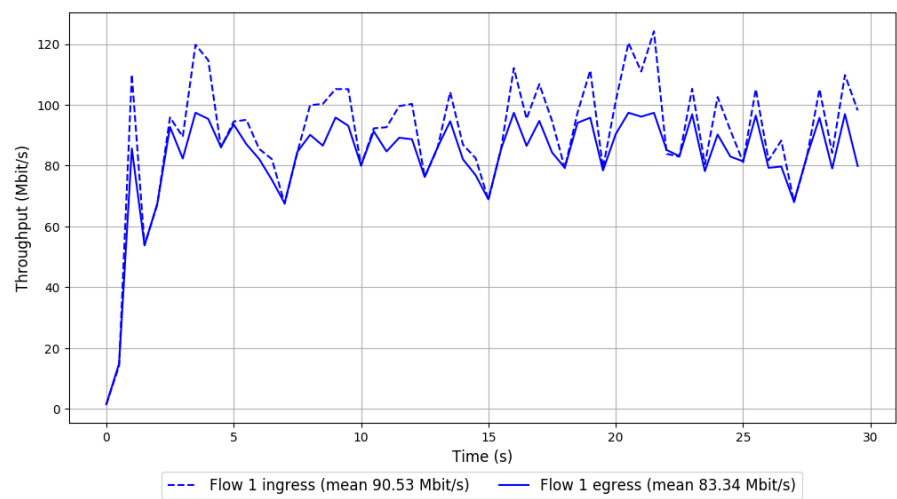


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-02 12:51:06
End at: 2018-02-02 12:51:36
Local clock offset: 2.269 ms
Remote clock offset: -21.971 ms

# Below is generated by plot.py at 2018-02-02 16:58:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 23.985 ms
Loss rate: 7.87%
-- Flow 1:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 23.985 ms
Loss rate: 7.87%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-02 13:13:02

End at: 2018-02-02 13:13:32

Local clock offset: 1.2 ms

Remote clock offset: -22.589 ms

Below is generated by plot.py at 2018-02-02 16:59:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.53 Mbit/s

95th percentile per-packet one-way delay: 25.569 ms

Loss rate: 7.07%

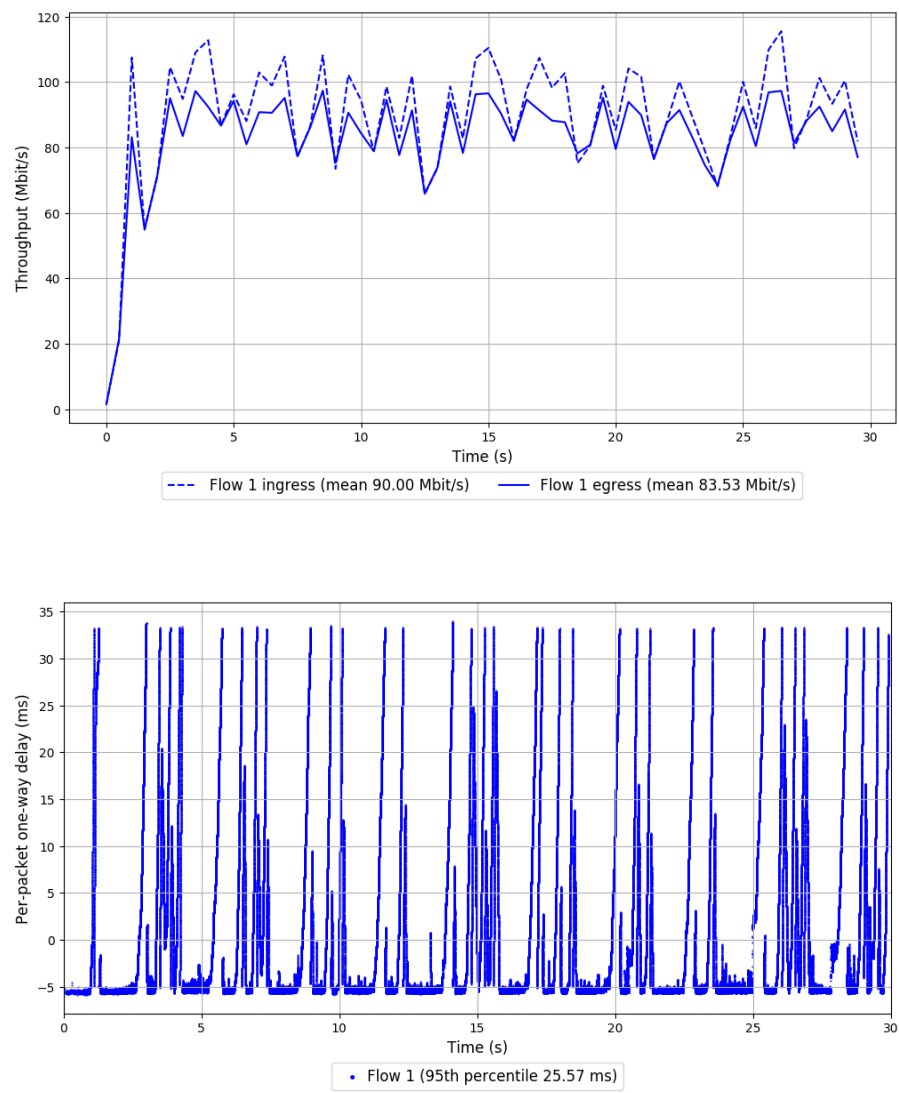
-- Flow 1:

Average throughput: 83.53 Mbit/s

95th percentile per-packet one-way delay: 25.569 ms

Loss rate: 7.07%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-02 13:35:07

End at: 2018-02-02 13:35:37

Local clock offset: 4.534 ms

Remote clock offset: -21.937 ms

Below is generated by plot.py at 2018-02-02 16:59:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 26.113 ms

Loss rate: 6.19%

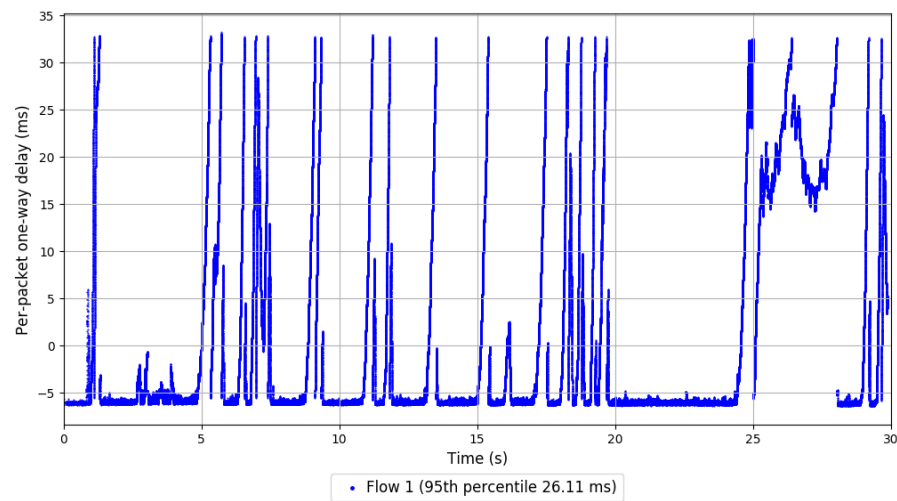
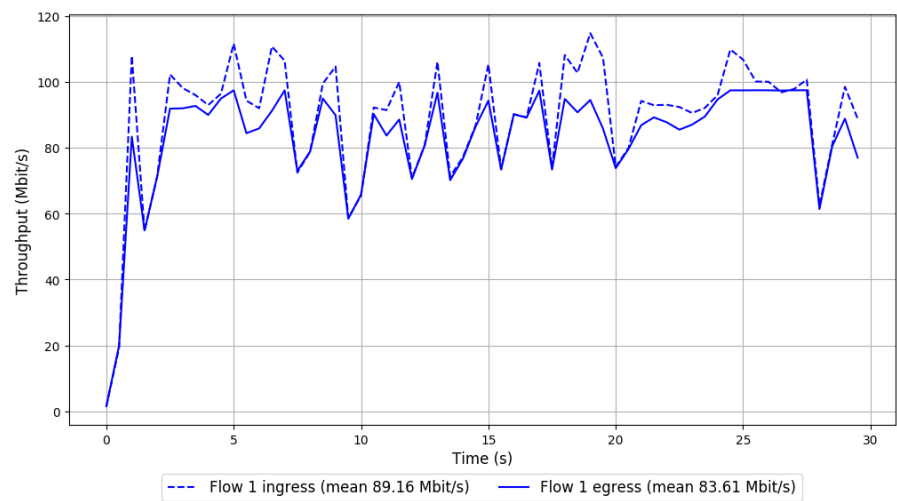
-- Flow 1:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 26.113 ms

Loss rate: 6.19%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-02 13:56:50

End at: 2018-02-02 13:57:21

Local clock offset: 1.96 ms

Remote clock offset: -18.446 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.22 Mbit/s

95th percentile per-packet one-way delay: 28.997 ms

Loss rate: 10.69%

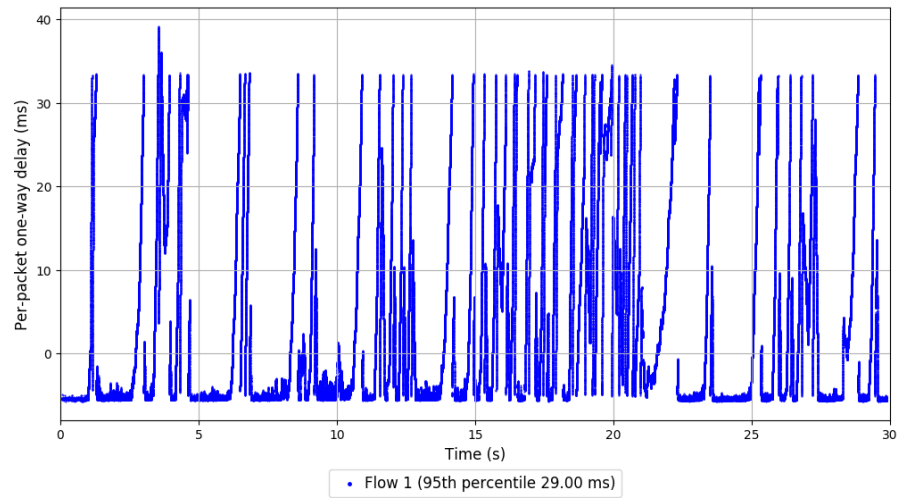
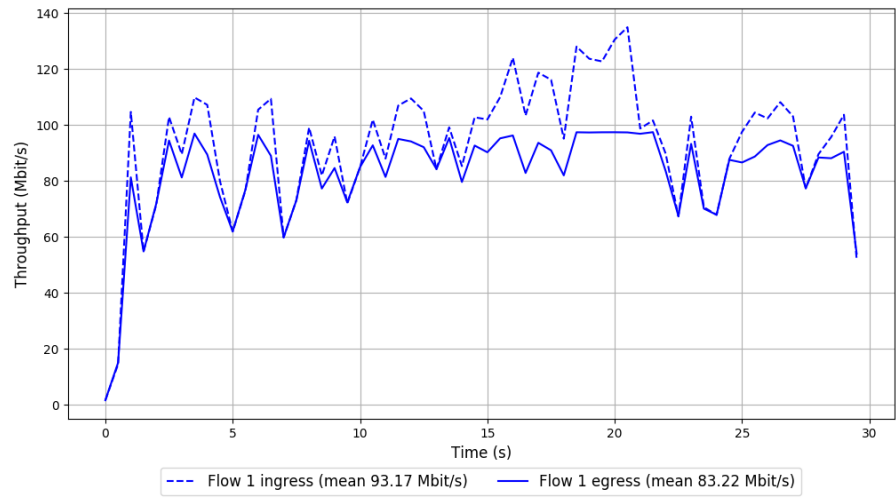
-- Flow 1:

Average throughput: 83.22 Mbit/s

95th percentile per-packet one-way delay: 28.997 ms

Loss rate: 10.69%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-02 14:18:26

End at: 2018-02-02 14:18:56

Local clock offset: -0.034 ms

Remote clock offset: -16.376 ms

Below is generated by plot.py at 2018-02-02 17:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.98 Mbit/s

95th percentile per-packet one-way delay: 29.430 ms

Loss rate: 12.44%

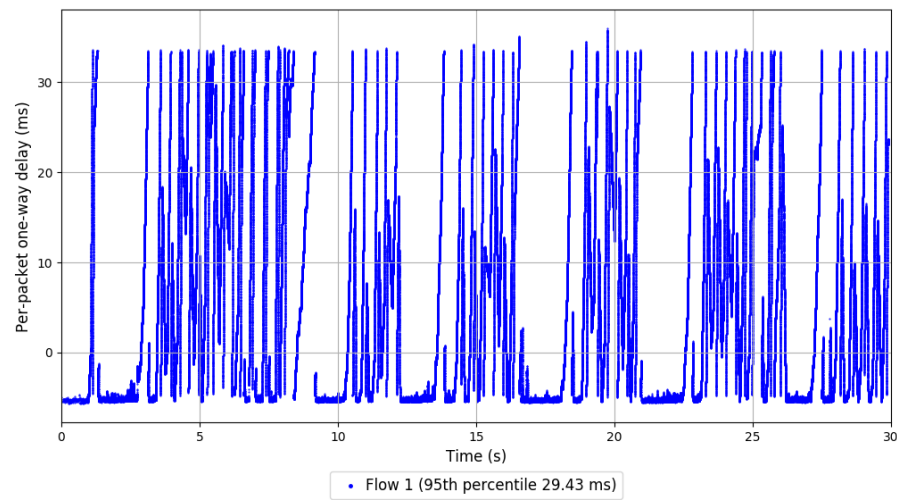
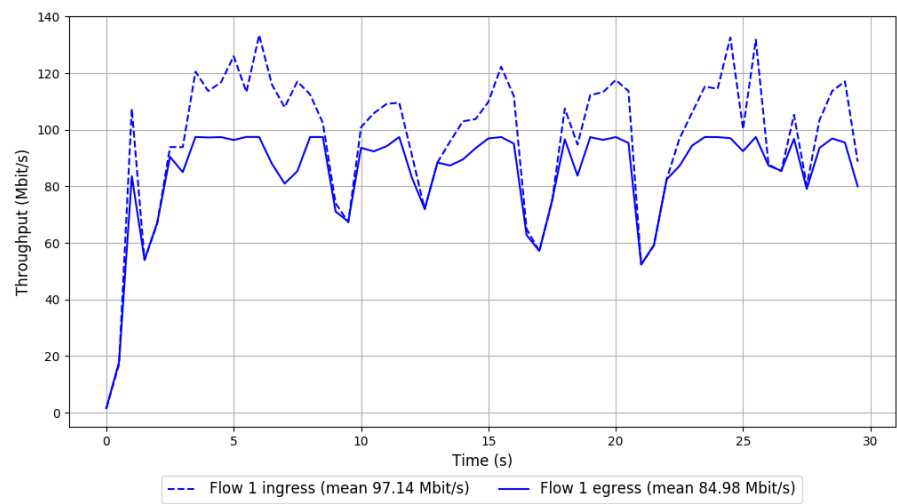
-- Flow 1:

Average throughput: 84.98 Mbit/s

95th percentile per-packet one-way delay: 29.430 ms

Loss rate: 12.44%

Run 5: Report of Vivace-loss — Data Link

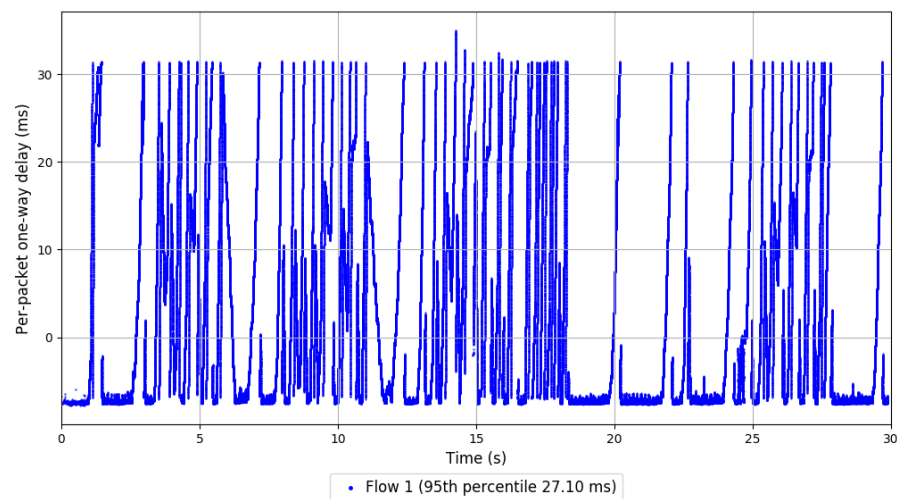
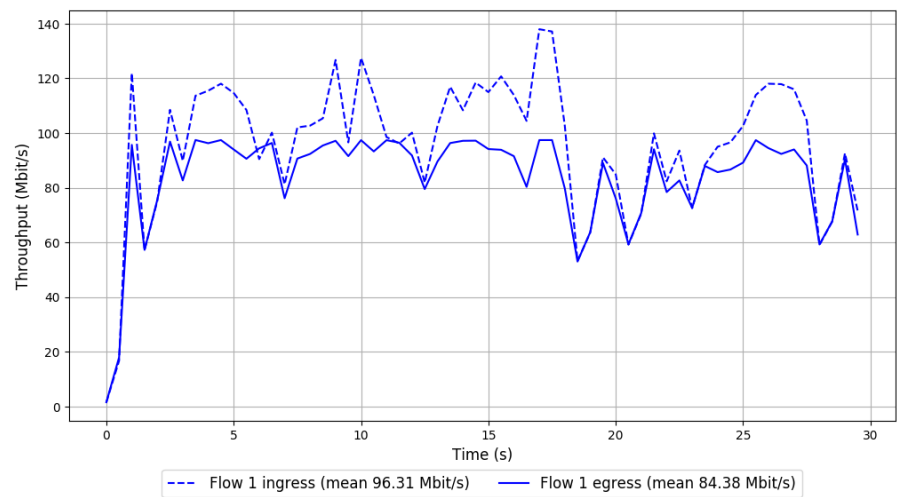


Run 6: Statistics of Vivace-loss

Start at: 2018-02-02 14:40:07
End at: 2018-02-02 14:40:37
Local clock offset: 3.851 ms
Remote clock offset: -13.929 ms

Below is generated by plot.py at 2018-02-02 17:00:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 27.103 ms
Loss rate: 12.39%
-- Flow 1:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 27.103 ms
Loss rate: 12.39%

Run 6: Report of Vivace-loss — Data Link

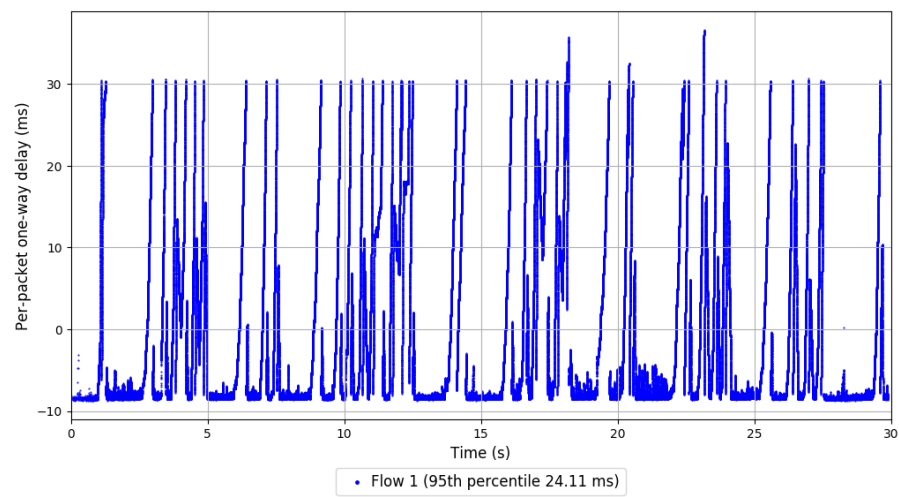
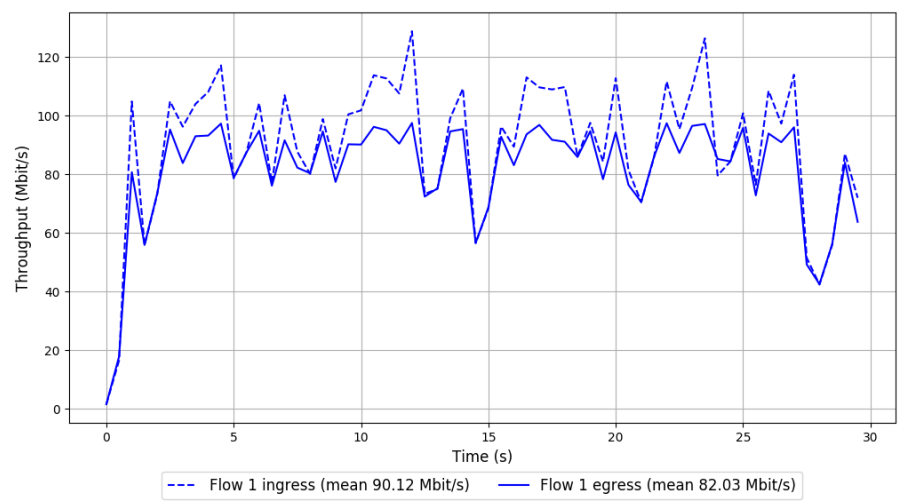


Run 7: Statistics of Vivace-loss

Start at: 2018-02-02 15:01:52
End at: 2018-02-02 15:02:22
Local clock offset: 3.763 ms
Remote clock offset: -19.265 ms

Below is generated by plot.py at 2018-02-02 17:00:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 24.108 ms
Loss rate: 8.97%
-- Flow 1:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 24.108 ms
Loss rate: 8.97%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-02 15:23:49

End at: 2018-02-02 15:24:19

Local clock offset: 4.911 ms

Remote clock offset: -21.496 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.96 Mbit/s

95th percentile per-packet one-way delay: 22.488 ms

Loss rate: 9.65%

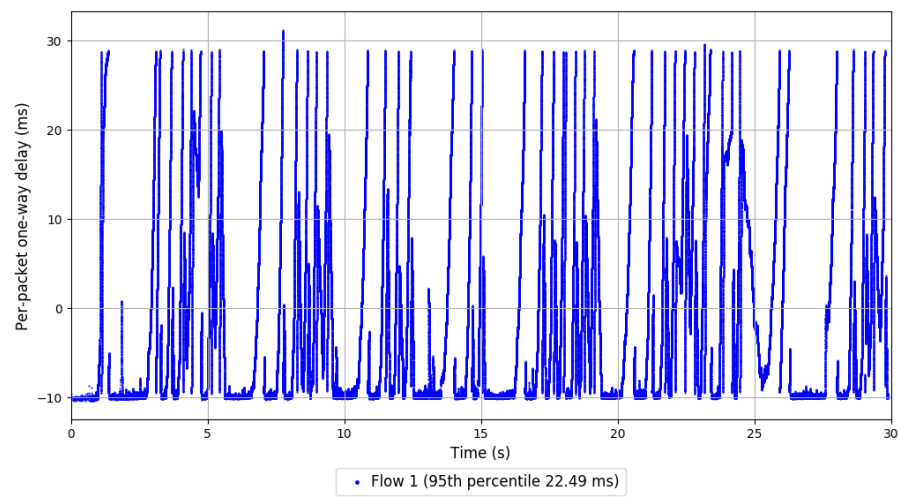
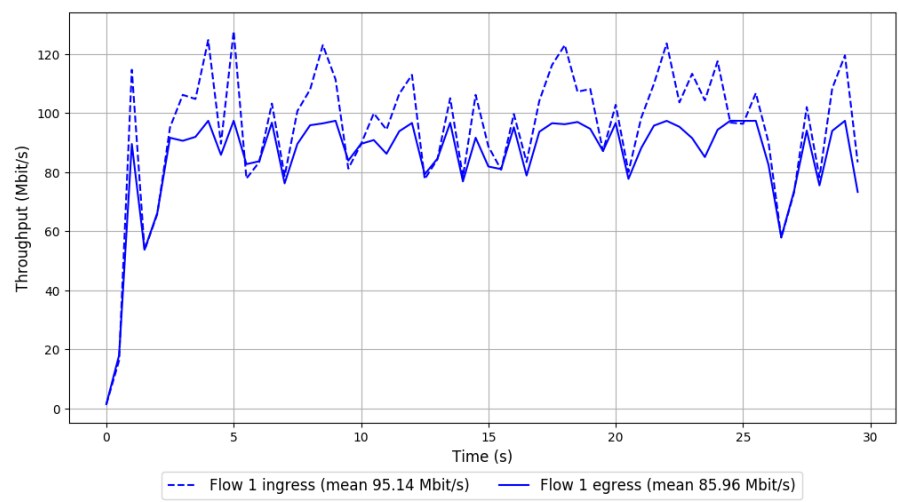
-- Flow 1:

Average throughput: 85.96 Mbit/s

95th percentile per-packet one-way delay: 22.488 ms

Loss rate: 9.65%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-02 15:45:33

End at: 2018-02-02 15:46:03

Local clock offset: 4.122 ms

Remote clock offset: -23.107 ms

Below is generated by plot.py at 2018-02-02 17:00:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.16 Mbit/s

95th percentile per-packet one-way delay: 26.221 ms

Loss rate: 13.31%

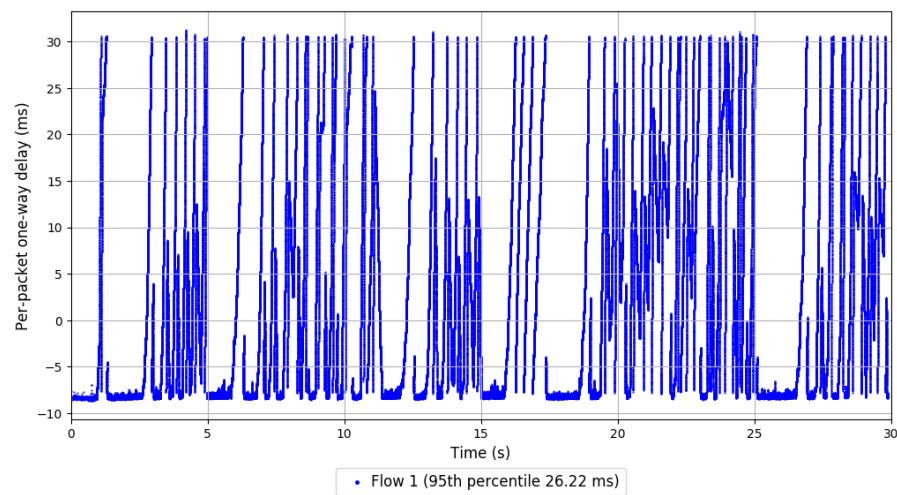
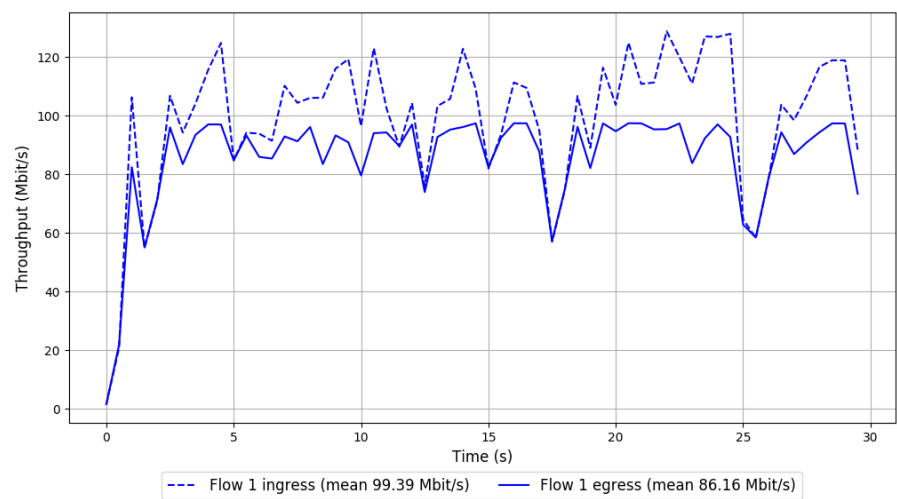
-- Flow 1:

Average throughput: 86.16 Mbit/s

95th percentile per-packet one-way delay: 26.221 ms

Loss rate: 13.31%

Run 9: Report of Vivace-loss — Data Link

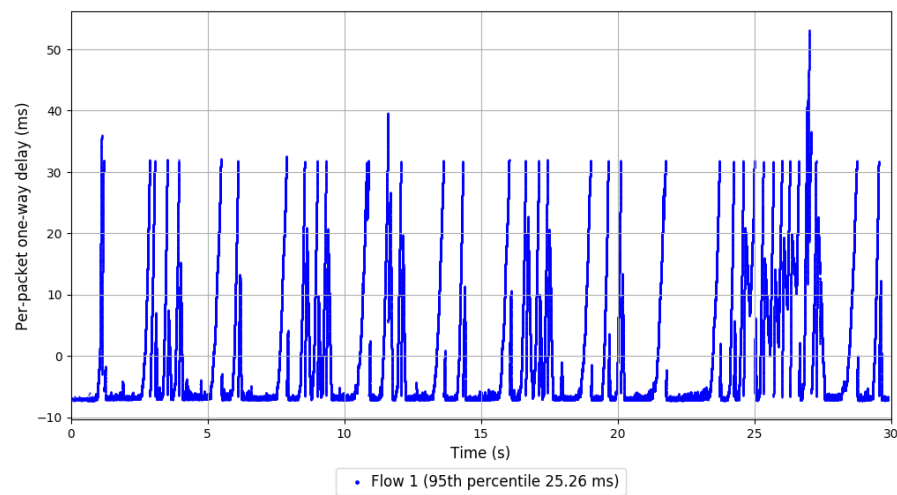
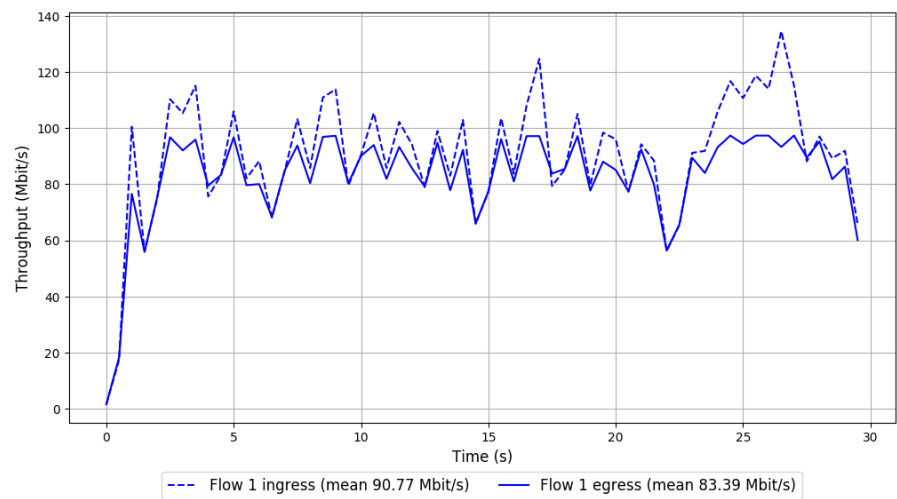


Run 10: Statistics of Vivace-loss

Start at: 2018-02-02 16:07:21
End at: 2018-02-02 16:07:51
Local clock offset: 2.731 ms
Remote clock offset: -20.75 ms

Below is generated by plot.py at 2018-02-02 17:00:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.39 Mbit/s
95th percentile per-packet one-way delay: 25.259 ms
Loss rate: 8.13%
-- Flow 1:
Average throughput: 83.39 Mbit/s
95th percentile per-packet one-way delay: 25.259 ms
Loss rate: 8.13%

Run 10: Report of Vivace-loss — Data Link

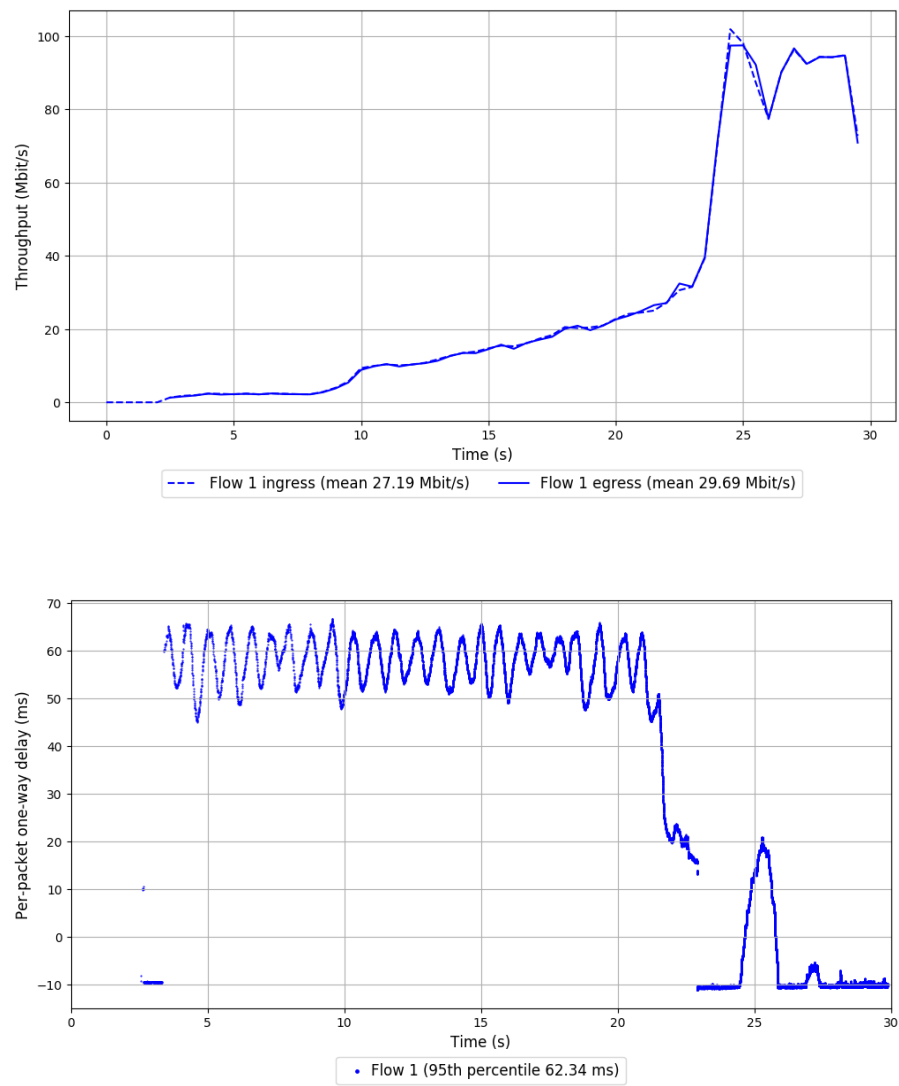


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-02 12:31:47
End at: 2018-02-02 12:32:17
Local clock offset: 1.543 ms
Remote clock offset: -23.152 ms

Below is generated by plot.py at 2018-02-02 17:00:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.69 Mbit/s
95th percentile per-packet one-way delay: 62.342 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 29.69 Mbit/s
95th percentile per-packet one-way delay: 62.342 ms
Loss rate: 0.18%

Run 1: Report of Vivace-LTE — Data Link

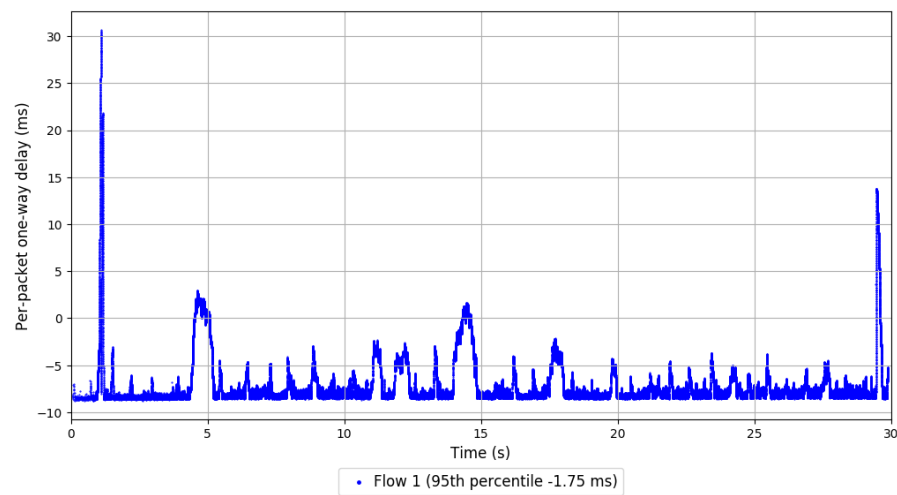
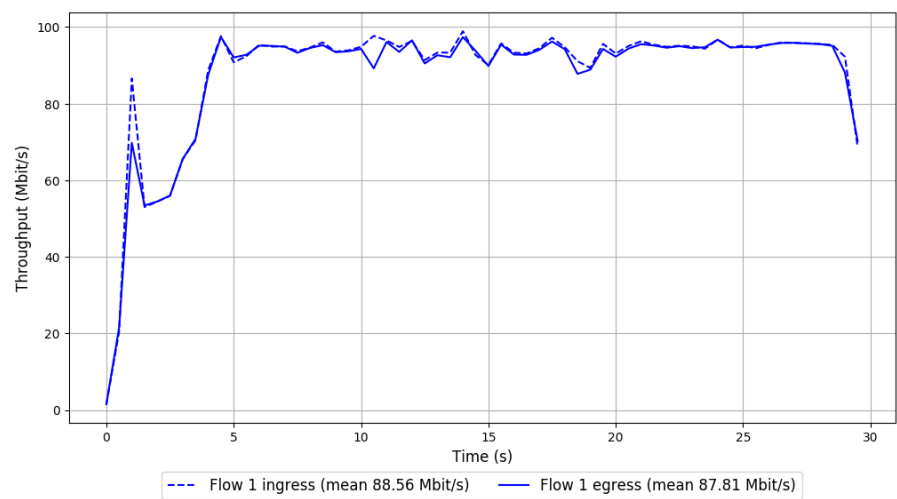


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-02 12:53:32
End at: 2018-02-02 12:54:02
Local clock offset: 3.505 ms
Remote clock offset: -21.926 ms

Below is generated by plot.py at 2018-02-02 17:01:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: -1.750 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: -1.750 ms
Loss rate: 0.84%

Run 2: Report of Vivace-LTE — Data Link

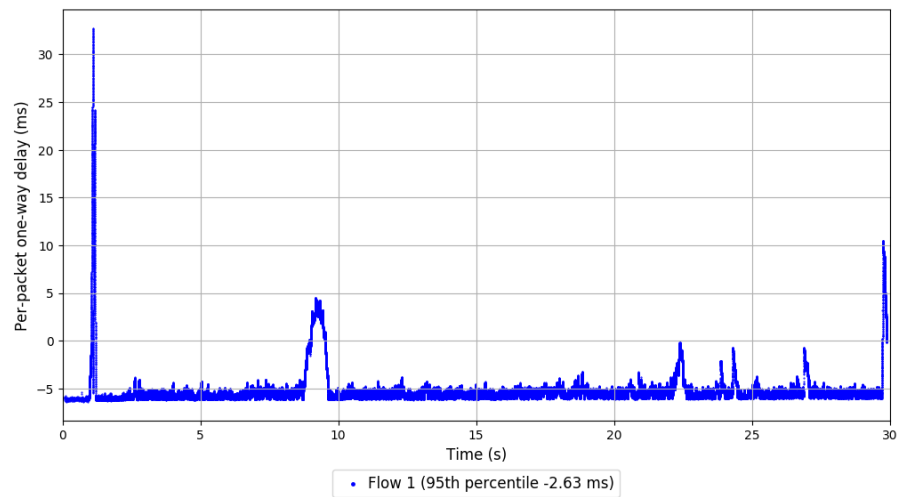
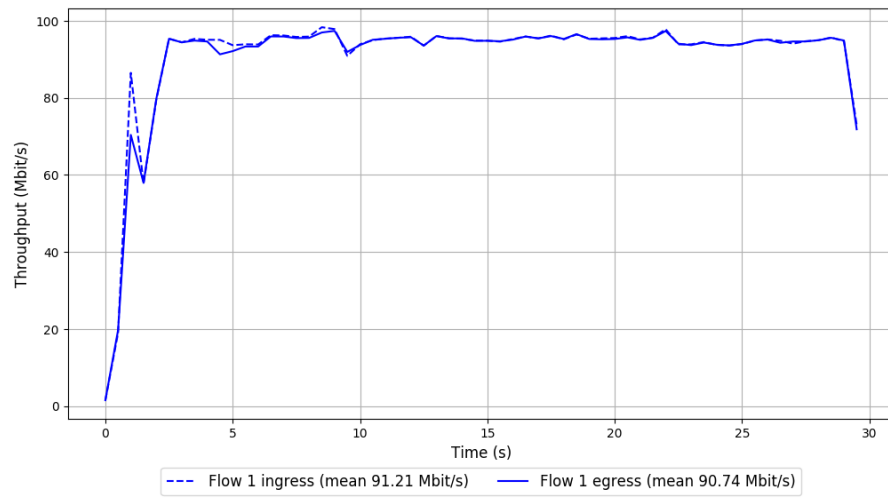


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-02 13:15:35
End at: 2018-02-02 13:16:05
Local clock offset: 2.754 ms
Remote clock offset: -21.956 ms

Below is generated by plot.py at 2018-02-02 17:01:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: -2.634 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: -2.634 ms
Loss rate: 0.50%

Run 3: Report of Vivace-LTE — Data Link

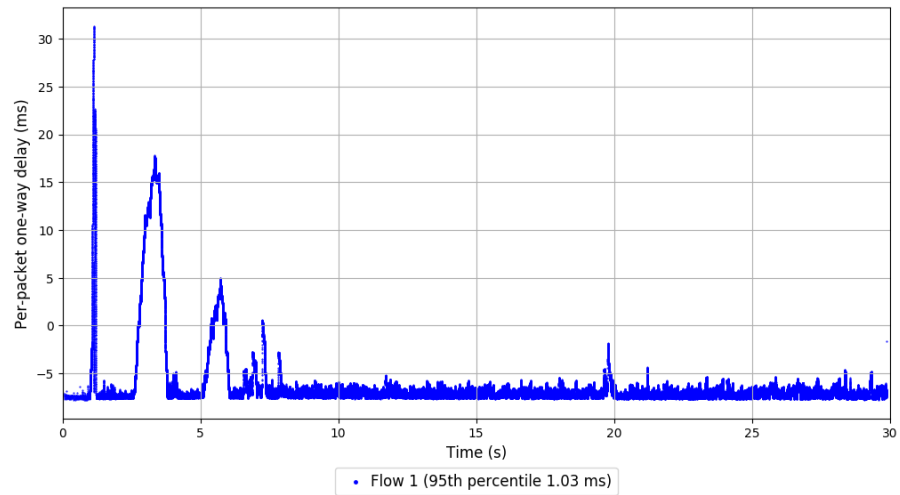
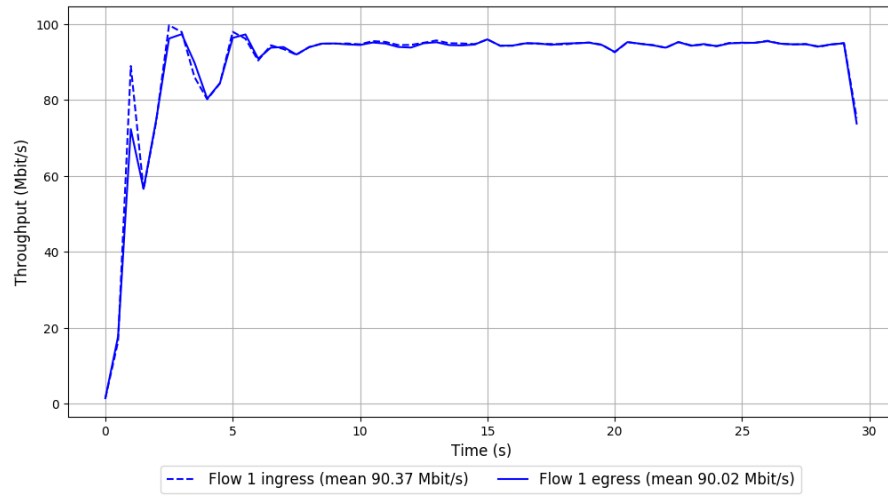


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-02 13:37:39
End at: 2018-02-02 13:38:09
Local clock offset: 3.567 ms
Remote clock offset: -23.405 ms

Below is generated by plot.py at 2018-02-02 17:01:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.37%

Run 4: Report of Vivace-LTE — Data Link

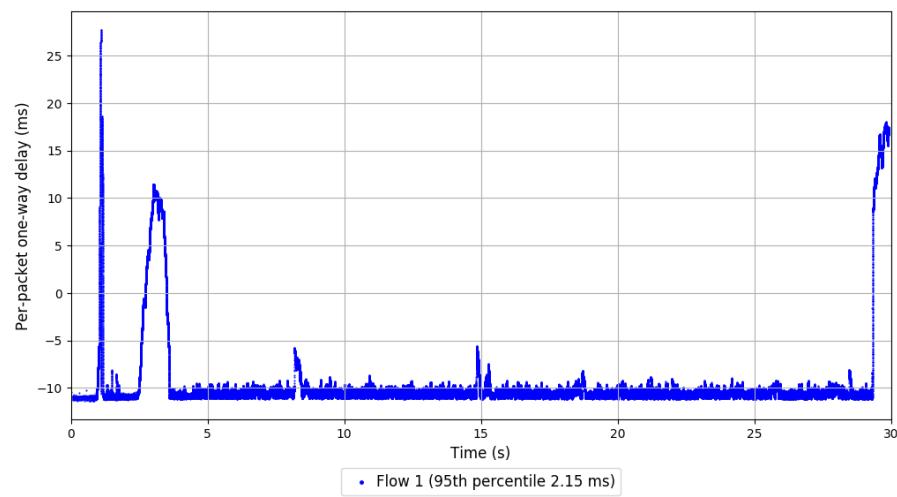
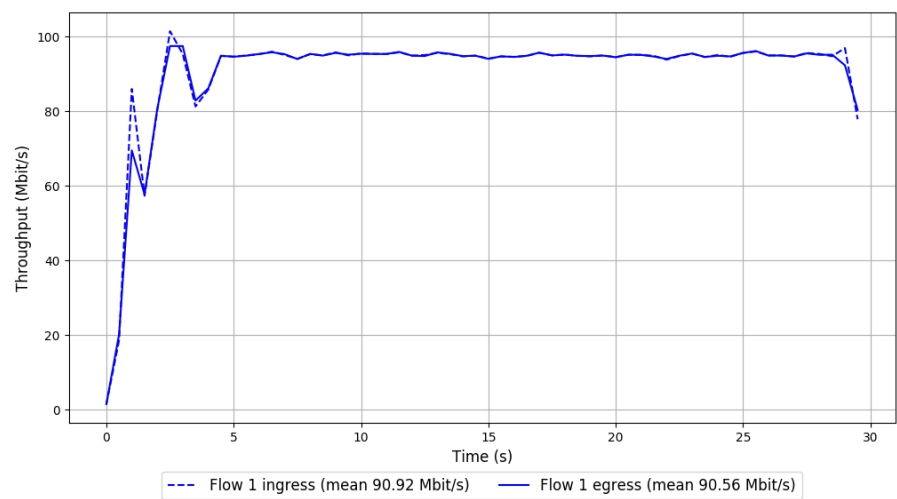


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-02 13:59:18
End at: 2018-02-02 13:59:48
Local clock offset: 4.959 ms
Remote clock offset: -20.666 ms

Below is generated by plot.py at 2018-02-02 17:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 2.154 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 2.154 ms
Loss rate: 0.30%

Run 5: Report of Vivace-LTE — Data Link

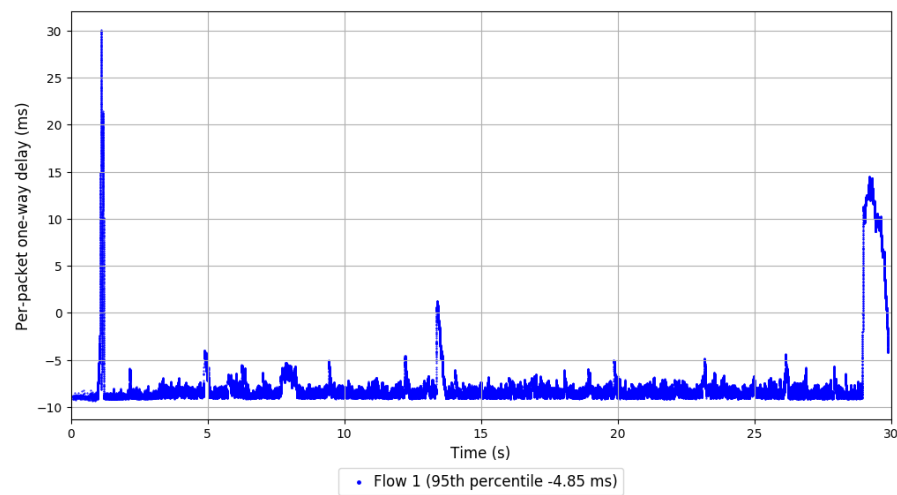
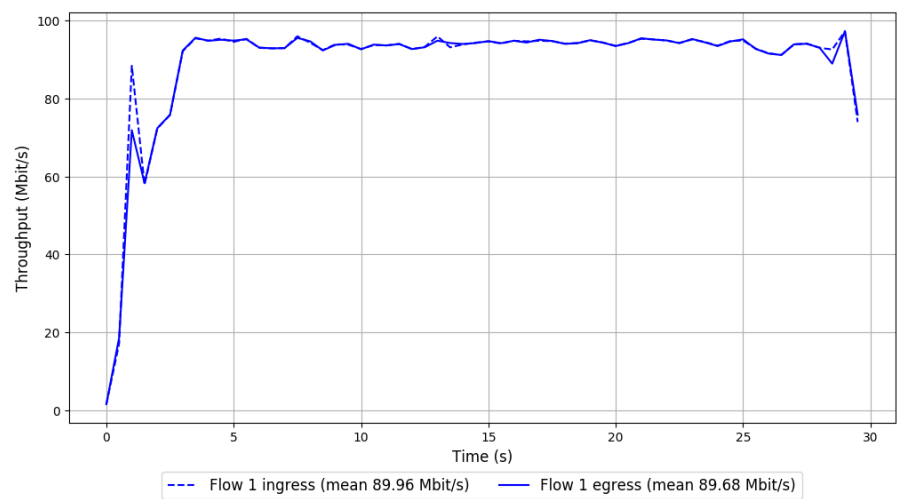


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-02 14:20:54
End at: 2018-02-02 14:21:24
Local clock offset: 1.22 ms
Remote clock offset: -18.377 ms

Below is generated by plot.py at 2018-02-02 17:01:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: -4.852 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: -4.852 ms
Loss rate: 0.30%

Run 6: Report of Vivace-LTE — Data Link

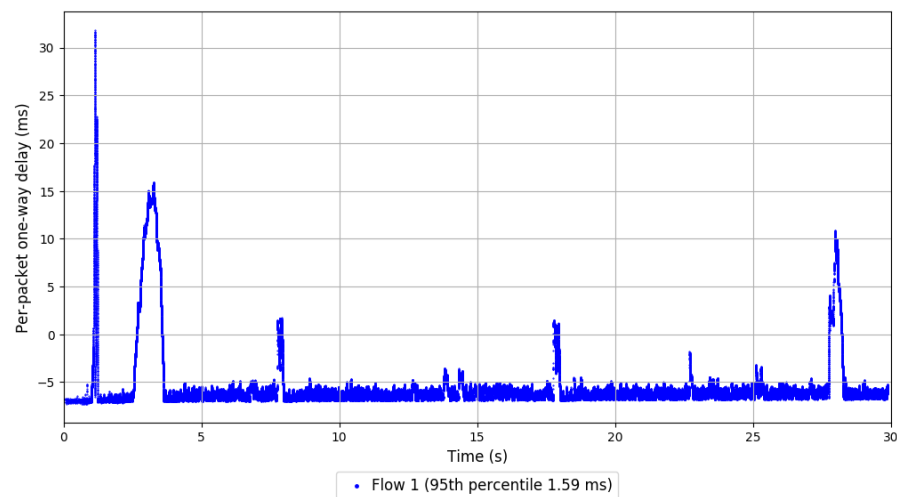
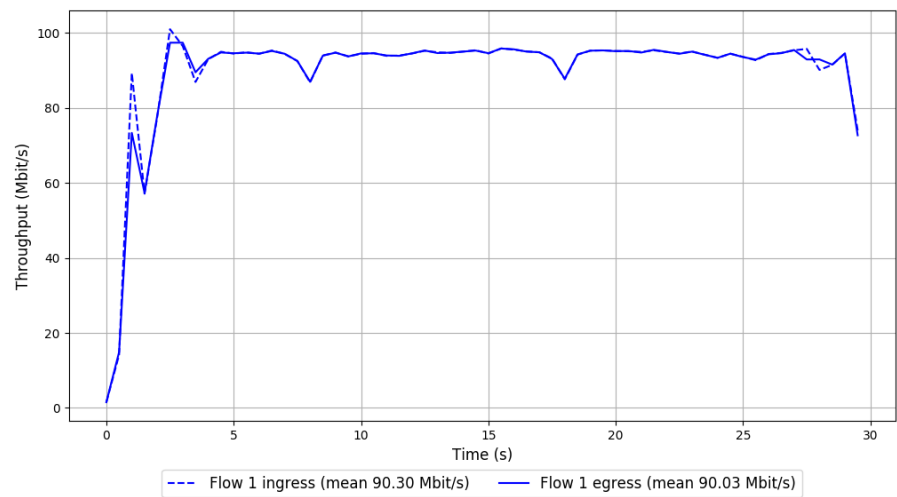


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-02 14:42:40
End at: 2018-02-02 14:43:11
Local clock offset: 2.628 ms
Remote clock offset: -15.027 ms

Below is generated by plot.py at 2018-02-02 17:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 1.590 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 1.590 ms
Loss rate: 0.30%

Run 7: Report of Vivace-LTE — Data Link

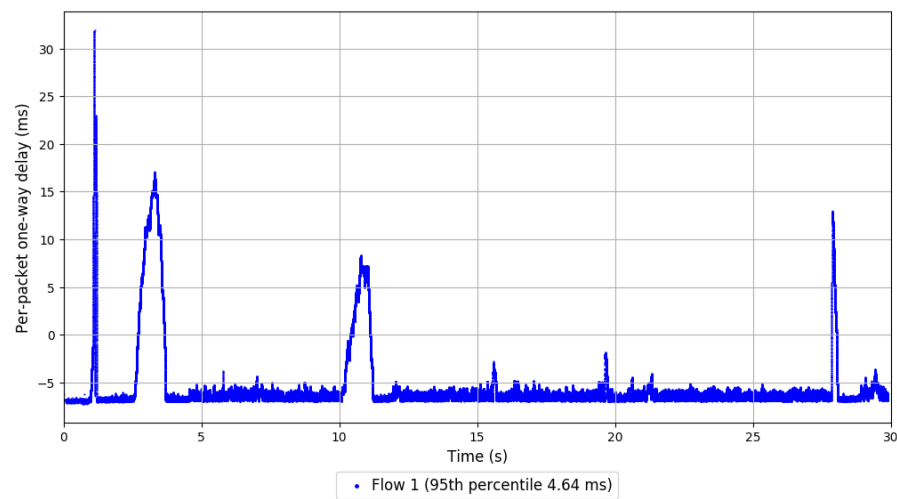
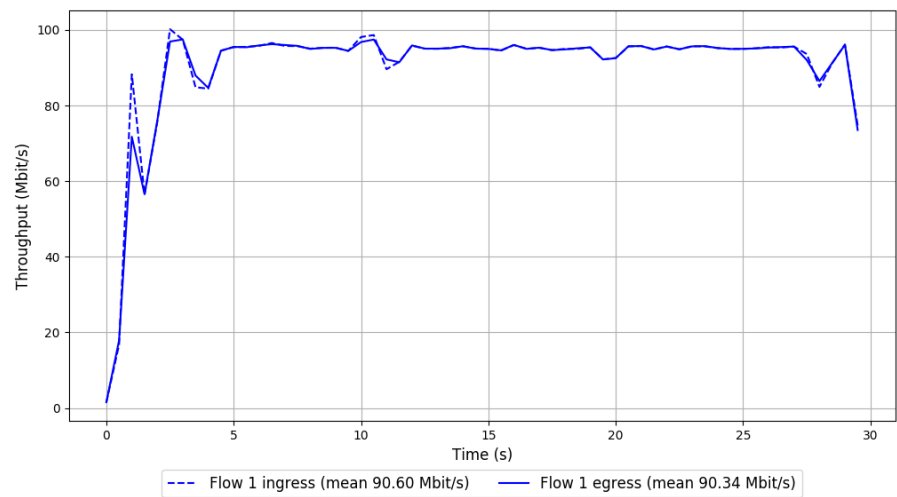


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-02 15:04:26
End at: 2018-02-02 15:04:56
Local clock offset: 3.017 ms
Remote clock offset: -18.523 ms

Below is generated by plot.py at 2018-02-02 17:01:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 4.636 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 4.636 ms
Loss rate: 0.30%

Run 8: Report of Vivace-LTE — Data Link

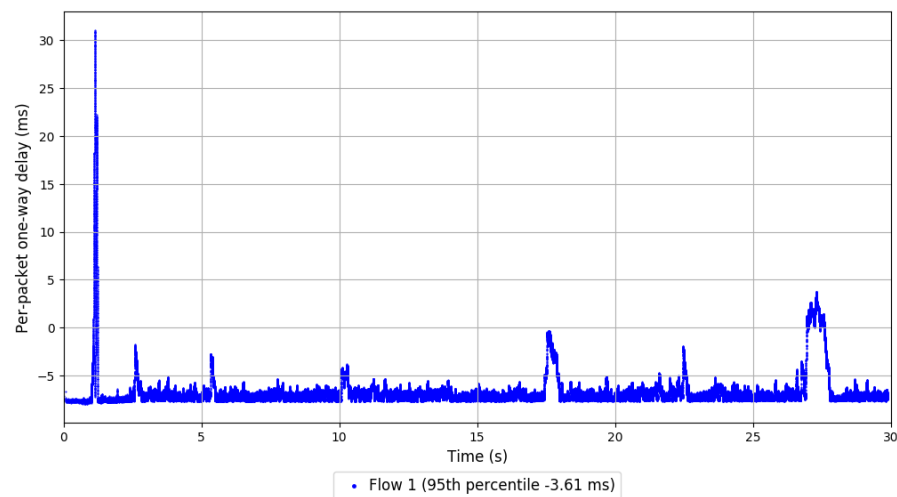
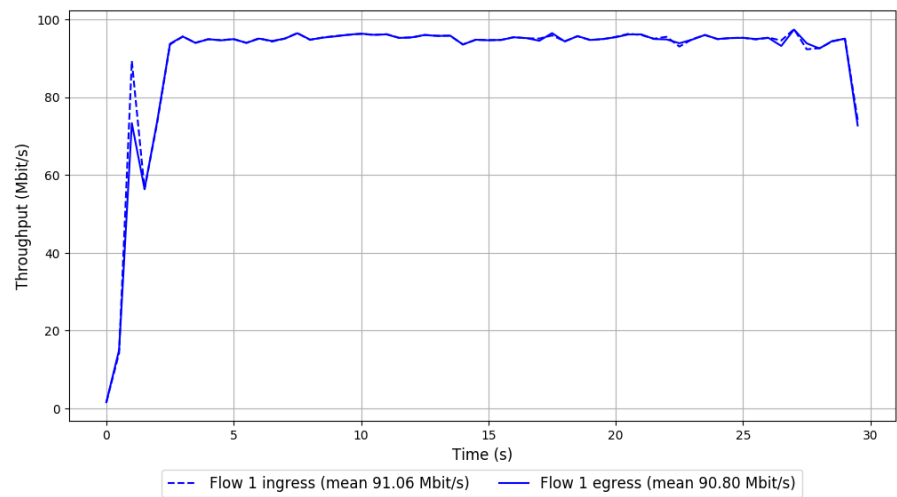


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-02 15:26:20
End at: 2018-02-02 15:26:50
Local clock offset: 4.226 ms
Remote clock offset: -20.144 ms

Below is generated by plot.py at 2018-02-02 17:01:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: -3.609 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: -3.609 ms
Loss rate: 0.29%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-02 15:48:02
End at: 2018-02-02 15:48:32
Local clock offset: 3.708 ms
Remote clock offset: -23.163 ms

Below is generated by plot.py at 2018-02-02 17:01:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: -5.505 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: -5.505 ms
Loss rate: 0.30%

Run 10: Report of Vivace-LTE — Data Link

