

Pantheon Report

Generated at 2018-01-16 18:04:36 (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).

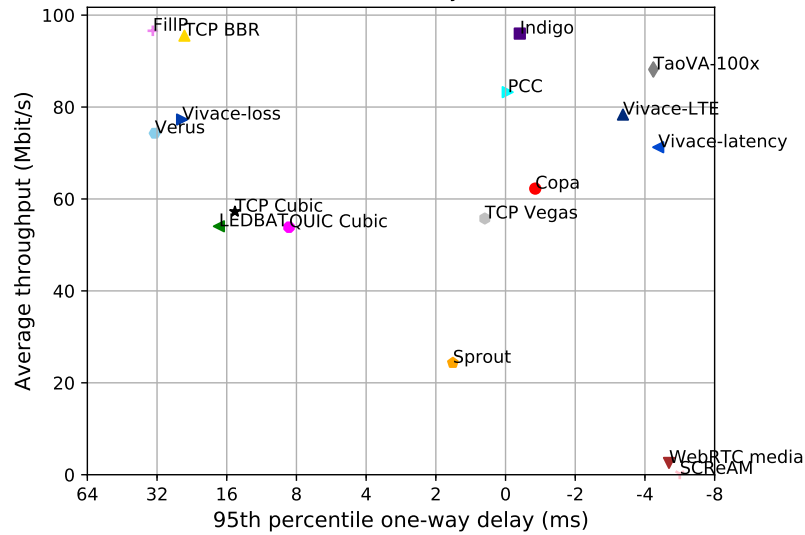
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

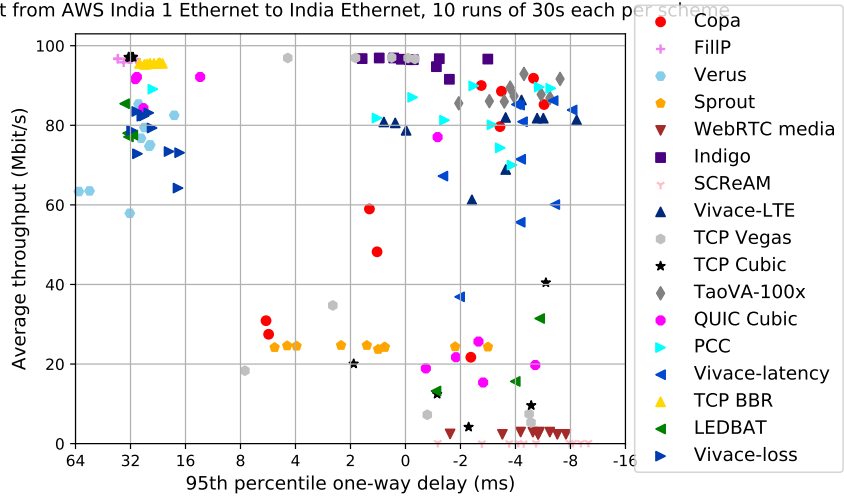
Git summary:

```
branch: master @ af8abdfba95588b0c5f2aeca9e856a1656b0c598
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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 @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



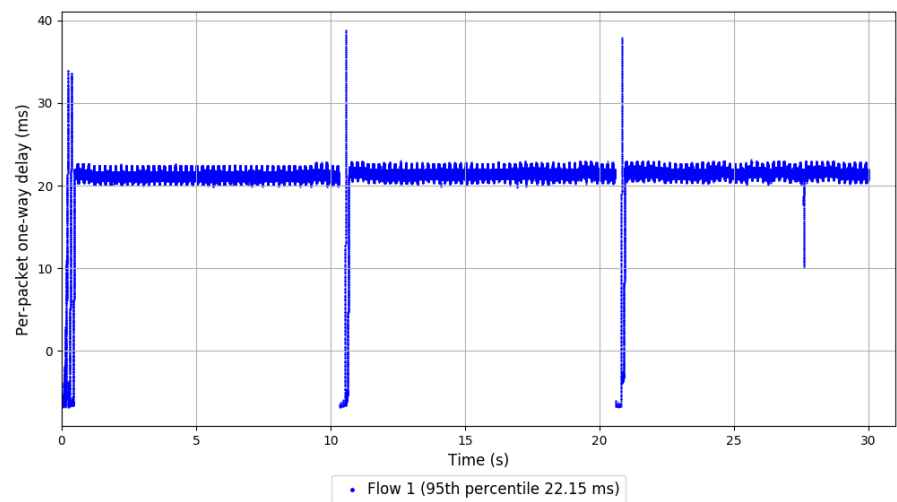
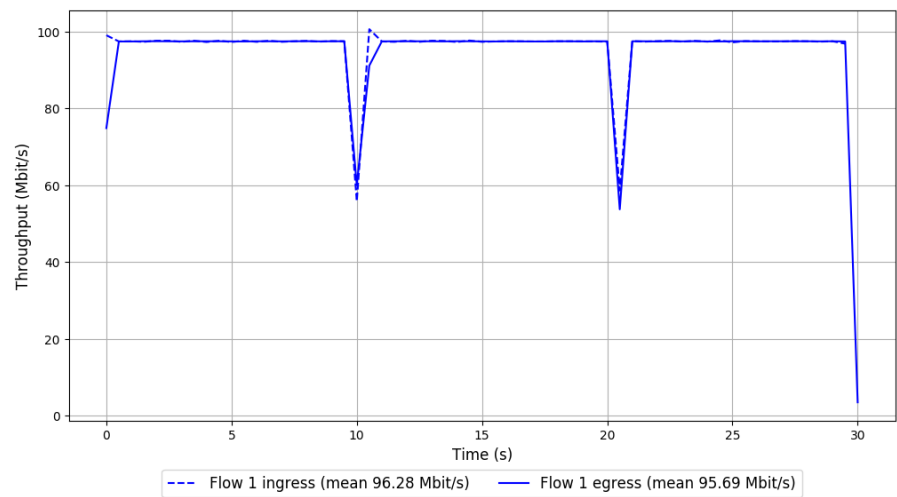
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.54	24.37	0.85
TCP Cubic	10	57.24	14.75	0.41
LEDBAT	7	54.06	17.30	0.34
PCC	10	83.24	-0.06	0.73
QUIC Cubic	10	53.86	8.61	0.49
SCReAM	10	0.18	-5.66	0.33
WebRTC media	10	2.57	-5.08	0.35
Sprout	10	24.36	1.51	0.35
TaoVA-100x	9	88.17	-4.35	0.32
TCP Vegas	10	55.75	0.59	0.35
Verus	10	74.30	32.74	24.04
Copa	10	62.25	-0.85	0.33
FillP	10	96.59	33.37	24.81
Indigo	10	95.98	-0.41	0.23
Vivace-latency	10	71.25	-4.56	0.39
Vivace-loss	10	77.28	24.94	6.80
Vivace-LTE	10	78.37	-3.21	0.57

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 13:42:09
End at: 2018-01-16 13:42:39
Local clock offset: 0.218 ms
Remote clock offset: -16.702 ms

Below is generated by plot.py at 2018-01-16 17:40:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 22.147 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 22.147 ms
Loss rate: 0.52%

Run 1: Report of TCP BBR — Data Link

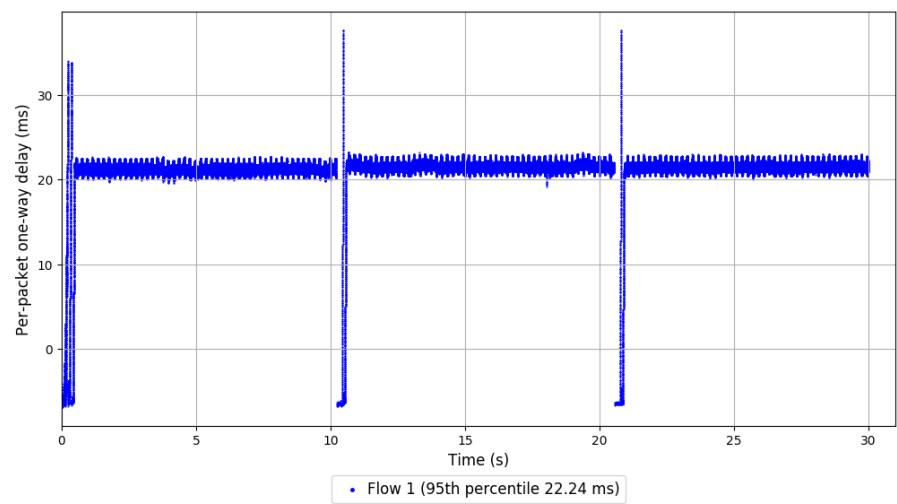
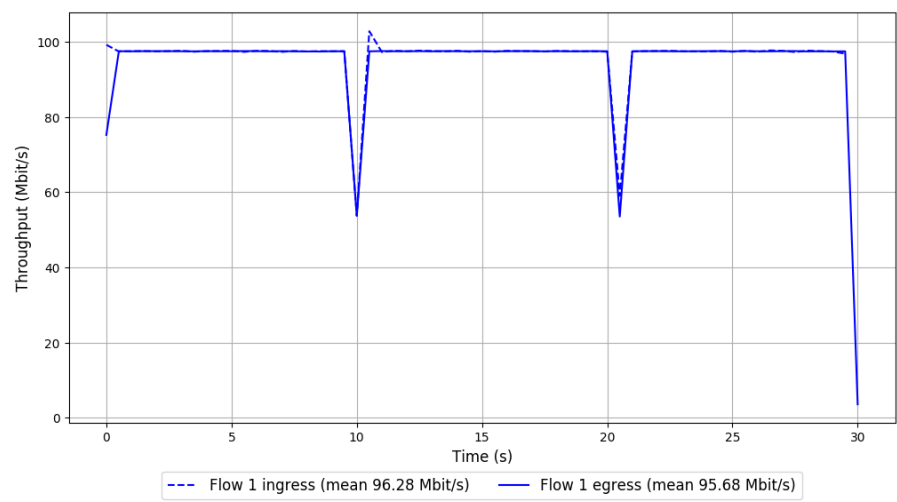


Run 2: Statistics of TCP BBR

Start at: 2018-01-16 14:03:24
End at: 2018-01-16 14:03:54
Local clock offset: 0.87 ms
Remote clock offset: -17.508 ms

Below is generated by plot.py at 2018-01-16 17:40:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 22.237 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 22.237 ms
Loss rate: 0.53%

Run 2: Report of TCP BBR — Data Link

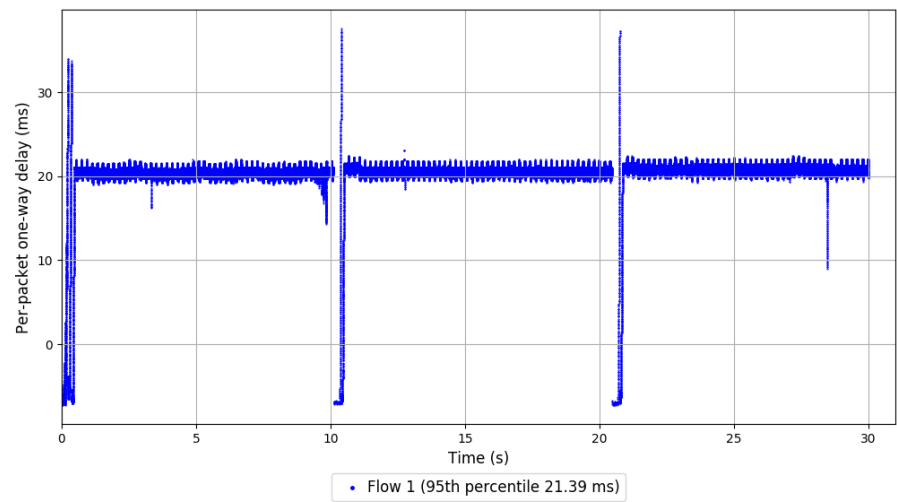
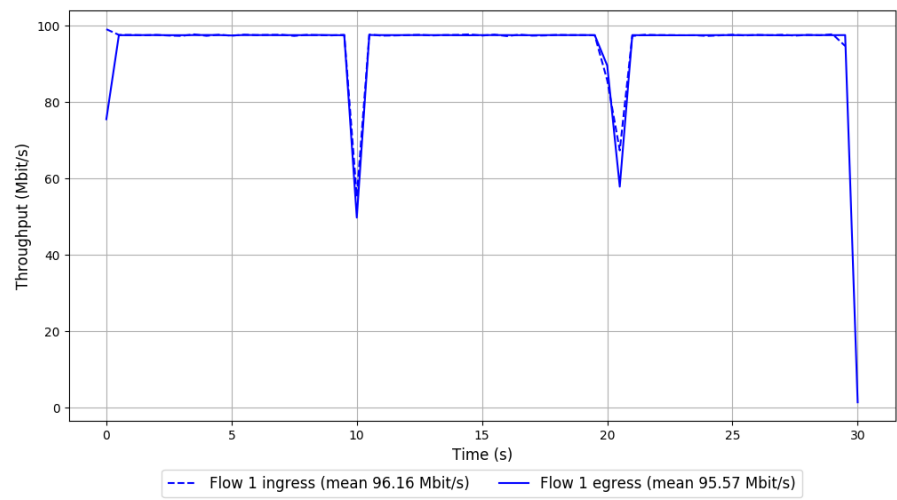


Run 3: Statistics of TCP BBR

Start at: 2018-01-16 14:24:38
End at: 2018-01-16 14:25:08
Local clock offset: 3.766 ms
Remote clock offset: -15.957 ms

Below is generated by plot.py at 2018-01-16 17:40:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 21.392 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 21.392 ms
Loss rate: 0.53%

Run 3: Report of TCP BBR — Data Link

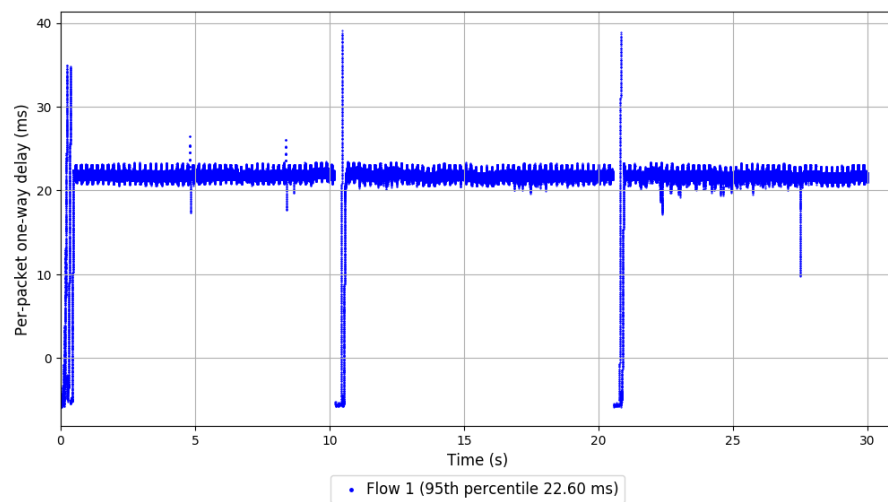
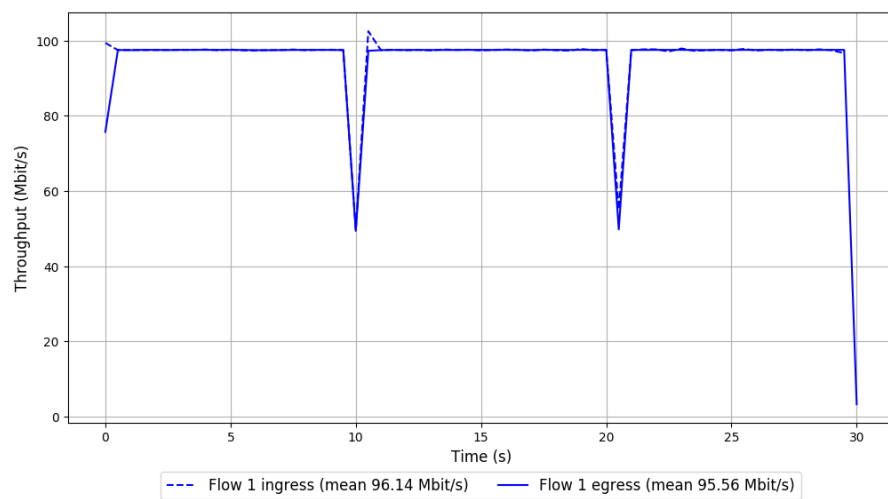


Run 4: Statistics of TCP BBR

Start at: 2018-01-16 14:45:41
End at: 2018-01-16 14:46:11
Local clock offset: 2.202 ms
Remote clock offset: -15.596 ms

Below is generated by plot.py at 2018-01-16 17:40:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 22.597 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 22.597 ms
Loss rate: 0.52%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-16 15:06:55

End at: 2018-01-16 15:07:25

Local clock offset: 0.085 ms

Remote clock offset: -16.68 ms

Below is generated by plot.py at 2018-01-16 17:40:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 23.808 ms

Loss rate: 0.52%

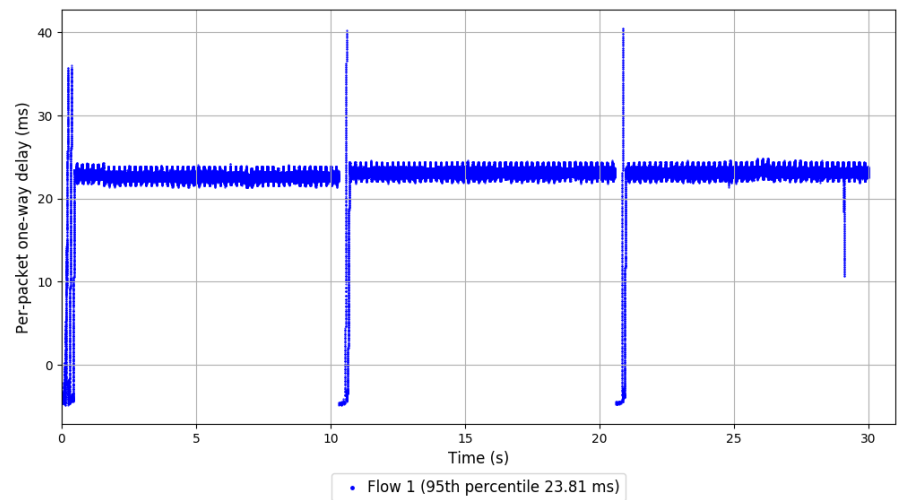
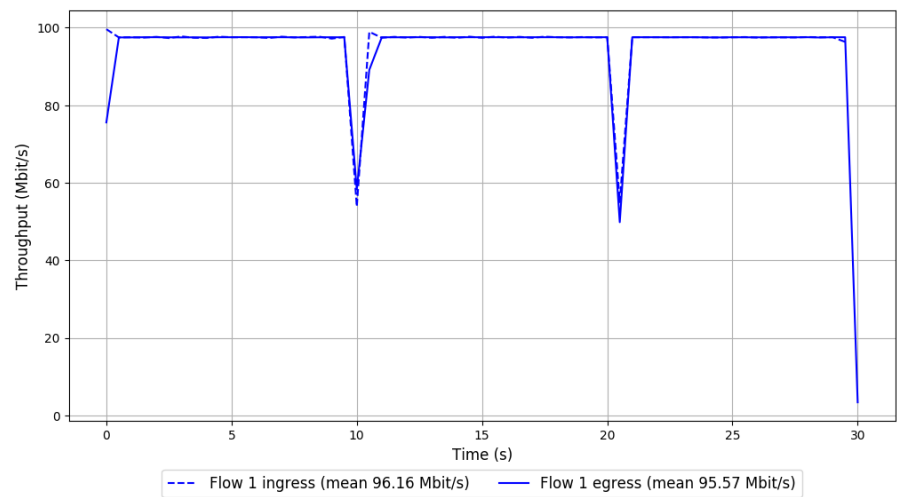
-- Flow 1:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 23.808 ms

Loss rate: 0.52%

Run 5: Report of TCP BBR — Data Link

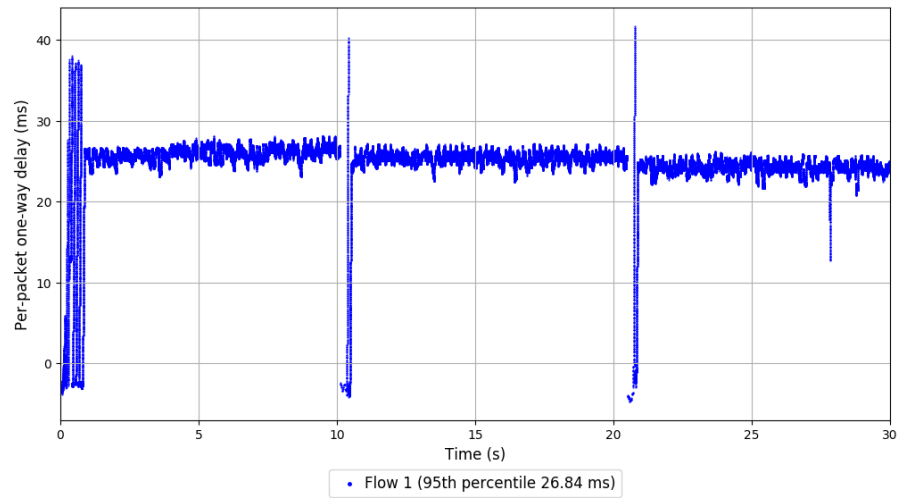
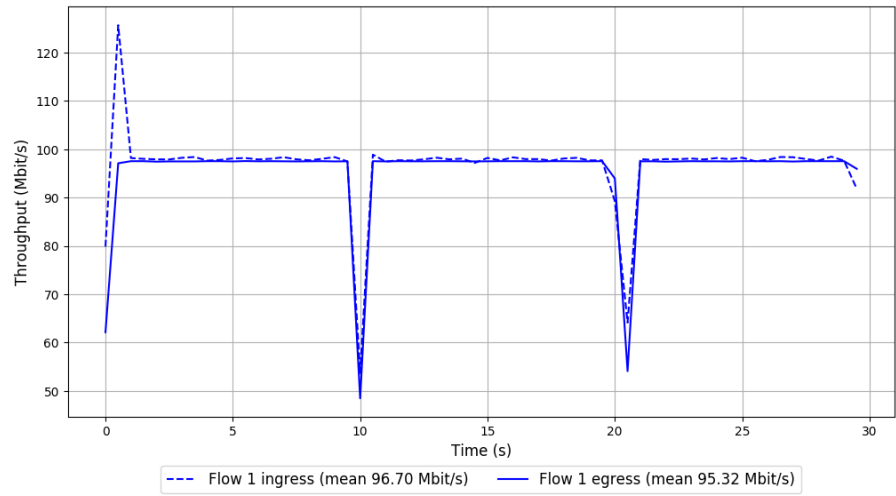


Run 6: Statistics of TCP BBR

Start at: 2018-01-16 15:28:06
End at: 2018-01-16 15:28:36
Local clock offset: 1.514 ms
Remote clock offset: -17.386 ms

Below is generated by plot.py at 2018-01-16 17:40:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 26.840 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 26.840 ms
Loss rate: 1.34%

Run 6: Report of TCP BBR — Data Link

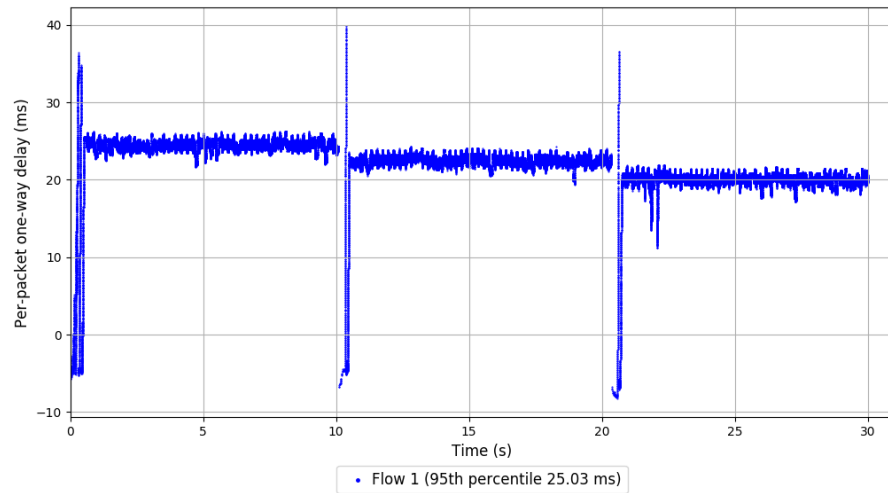
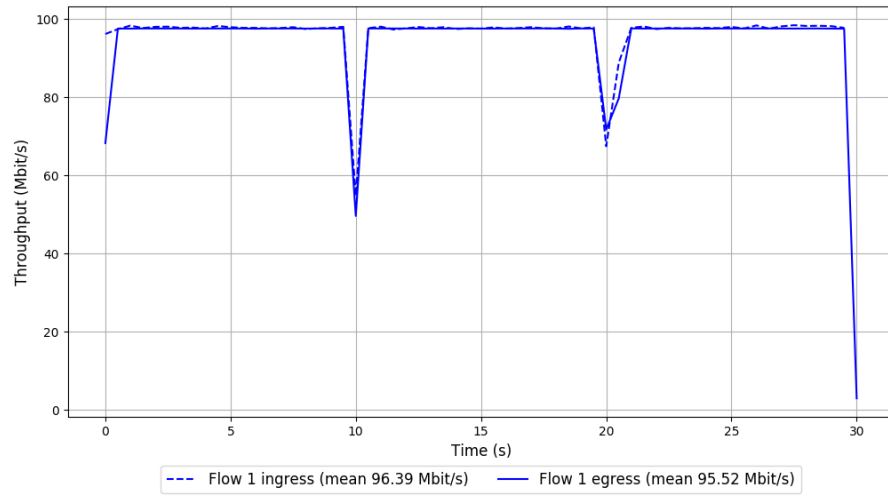


Run 7: Statistics of TCP BBR

Start at: 2018-01-16 15:49:17
End at: 2018-01-16 15:49:47
Local clock offset: 1.617 ms
Remote clock offset: -19.864 ms

Below is generated by plot.py at 2018-01-16 17:40:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 25.032 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 25.032 ms
Loss rate: 0.83%

Run 7: Report of TCP BBR — Data Link

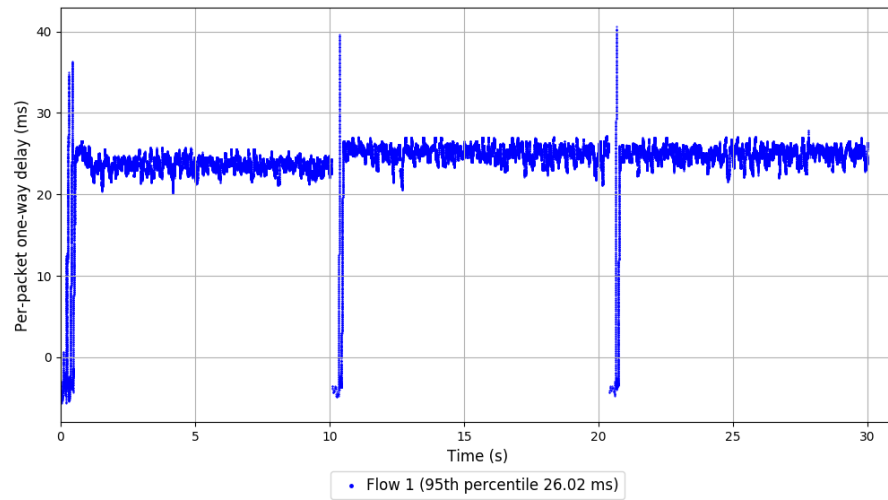
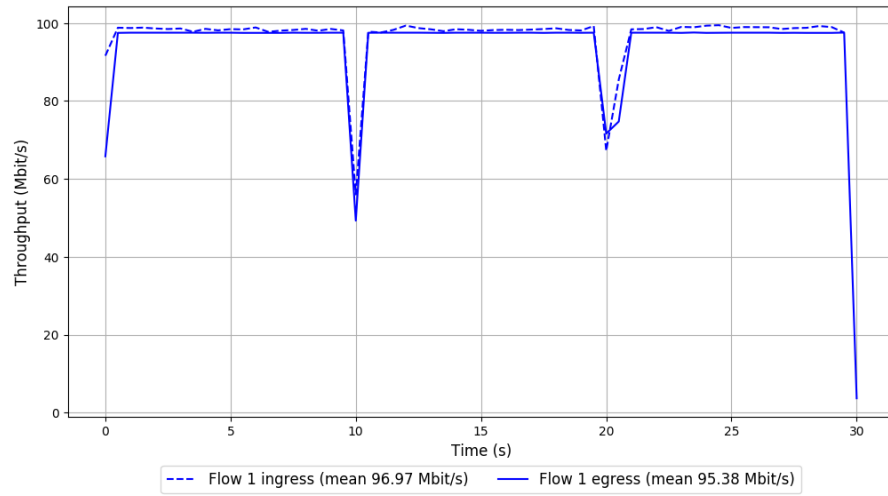


Run 8: Statistics of TCP BBR

Start at: 2018-01-16 16:10:05
End at: 2018-01-16 16:10:35
Local clock offset: 1.774 ms
Remote clock offset: -19.436 ms

Below is generated by plot.py at 2018-01-16 17:40:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 26.024 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 26.024 ms
Loss rate: 1.54%

Run 8: Report of TCP BBR — Data Link

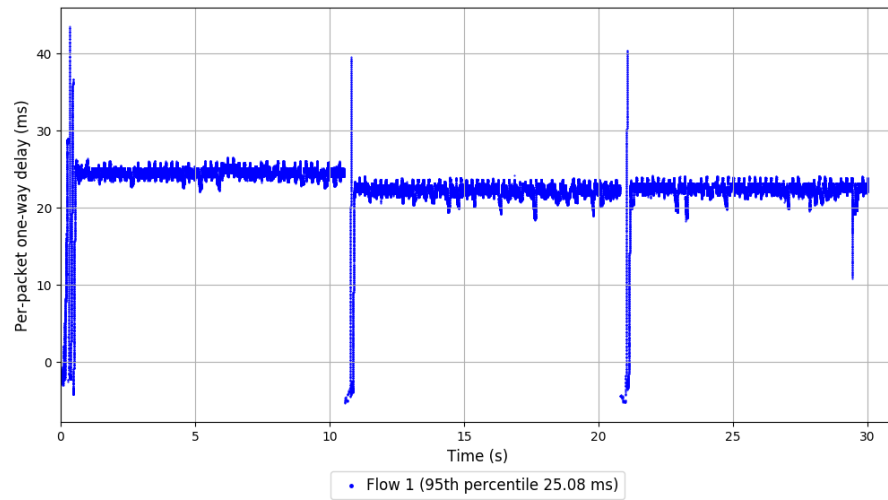
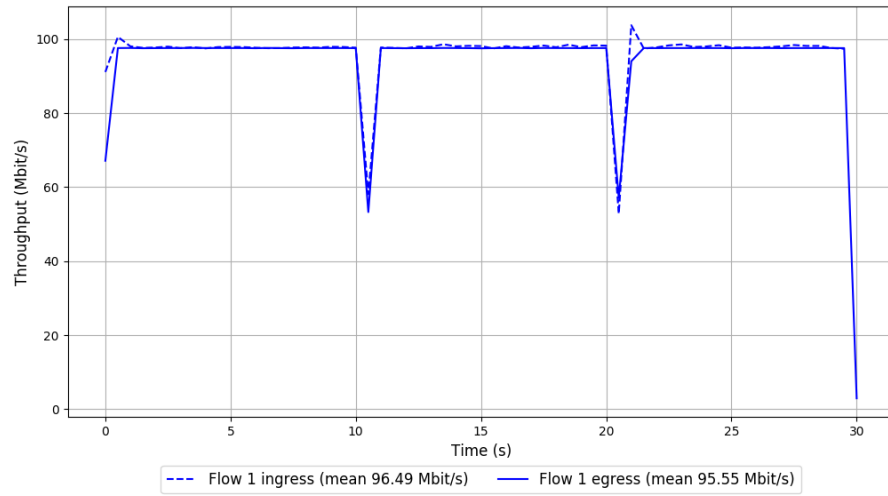


Run 9: Statistics of TCP BBR

Start at: 2018-01-16 16:30:57
End at: 2018-01-16 16:31:27
Local clock offset: -1.389 ms
Remote clock offset: -20.989 ms

Below is generated by plot.py at 2018-01-16 17:41:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 25.082 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 25.082 ms
Loss rate: 0.90%

Run 9: Report of TCP BBR — Data Link

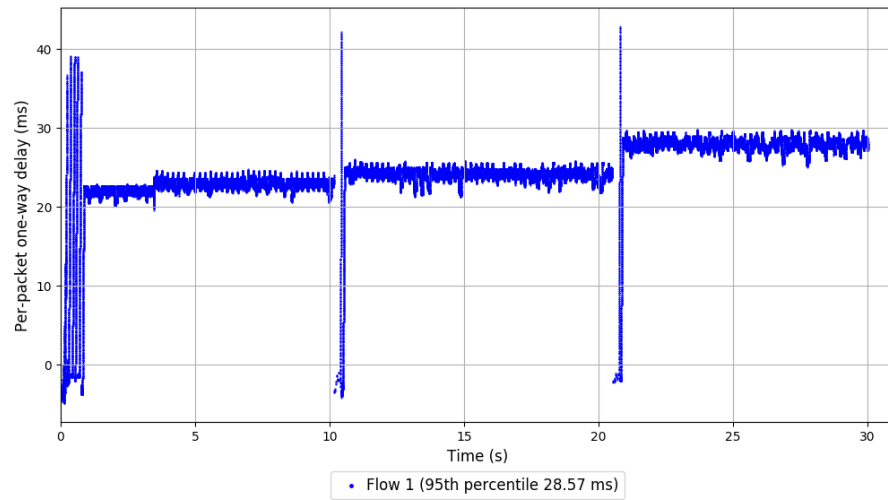
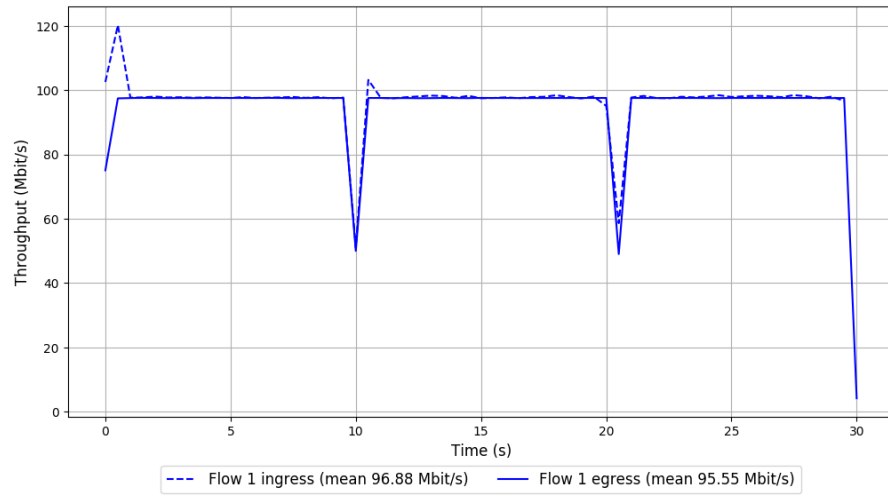


Run 10: Statistics of TCP BBR

Start at: 2018-01-16 16:51:52
End at: 2018-01-16 16:52:22
Local clock offset: -0.95 ms
Remote clock offset: -20.445 ms

Below is generated by plot.py at 2018-01-16 17:41:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 28.565 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 28.565 ms
Loss rate: 1.27%

Run 10: Report of TCP BBR — Data Link

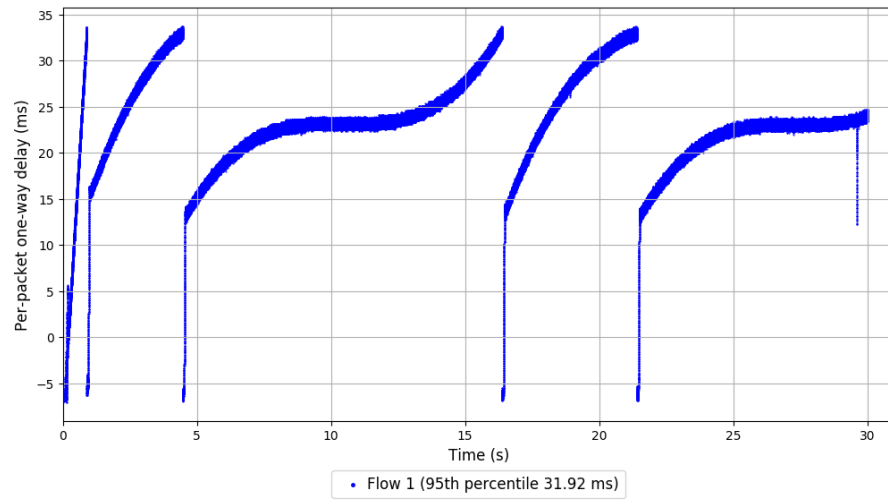
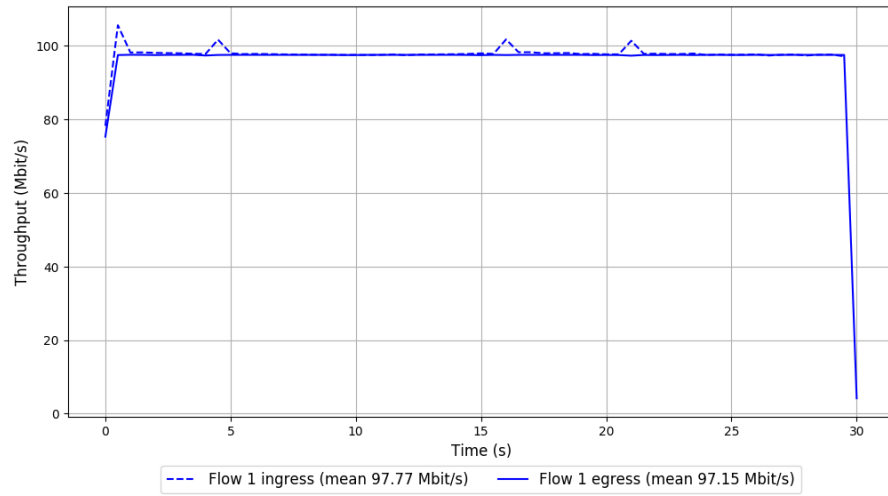


Run 1: Statistics of TCP Cubic

Start at: 2018-01-16 13:43:19
End at: 2018-01-16 13:43:49
Local clock offset: 1.387 ms
Remote clock offset: -15.828 ms

Below is generated by plot.py at 2018-01-16 17:41:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 31.917 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 31.917 ms
Loss rate: 0.53%

Run 1: Report of TCP Cubic — Data Link

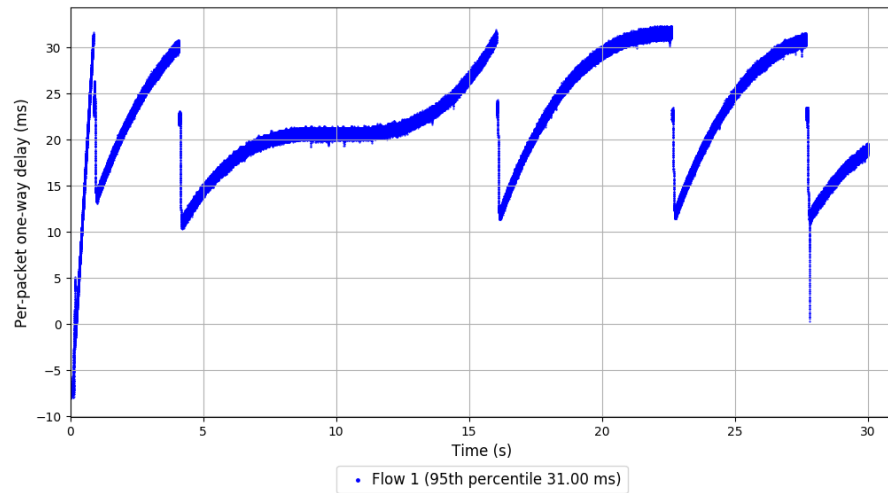
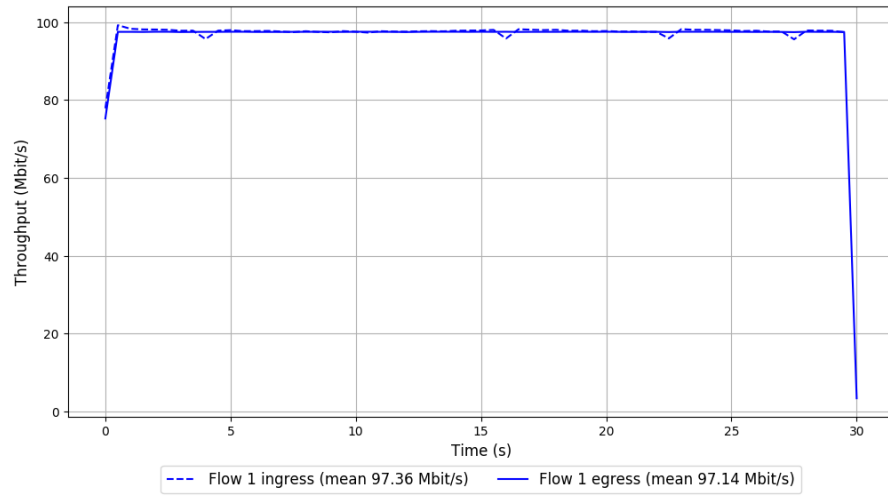


Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 14:04:35
End at: 2018-01-16 14:05:05
Local clock offset: 2.641 ms
Remote clock offset: -17.073 ms

Below is generated by plot.py at 2018-01-16 17:41:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 31.001 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 31.001 ms
Loss rate: 0.14%

Run 2: Report of TCP Cubic — Data Link

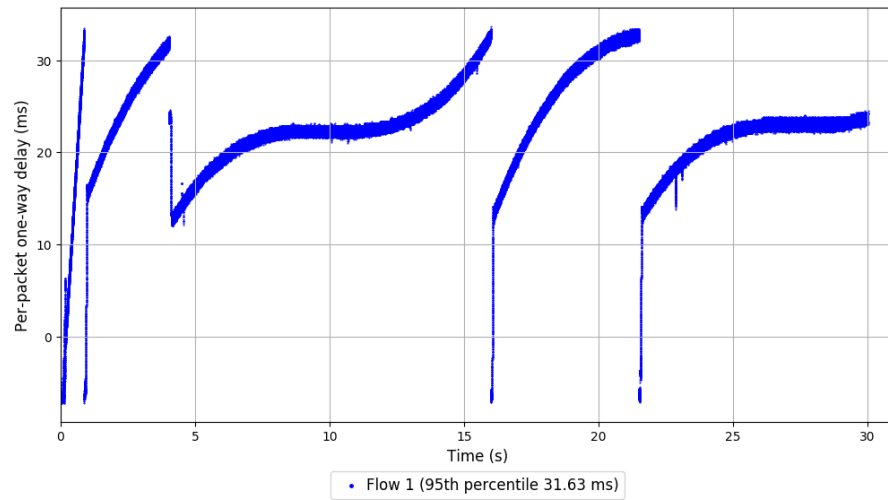
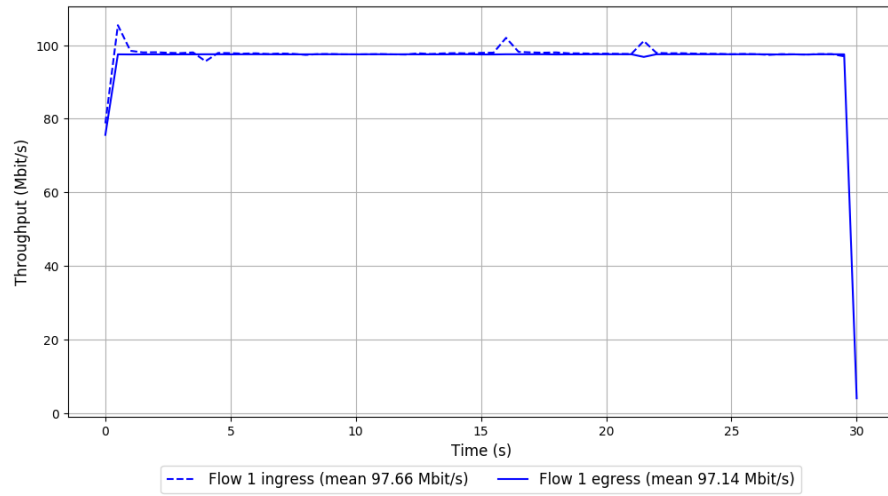


Run 3: Statistics of TCP Cubic

Start at: 2018-01-16 14:25:47
End at: 2018-01-16 14:26:17
Local clock offset: 2.9 ms
Remote clock offset: -16.877 ms

Below is generated by plot.py at 2018-01-16 17:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 31.630 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 31.630 ms
Loss rate: 0.43%

Run 3: Report of TCP Cubic — Data Link

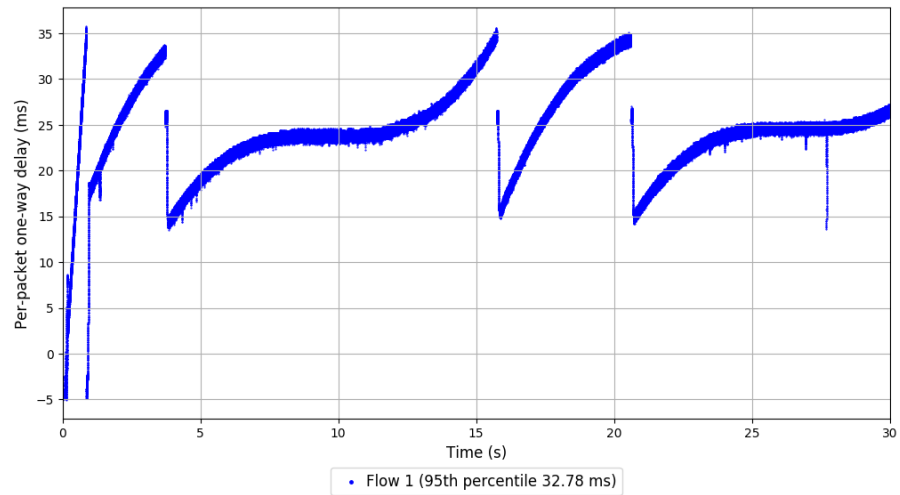
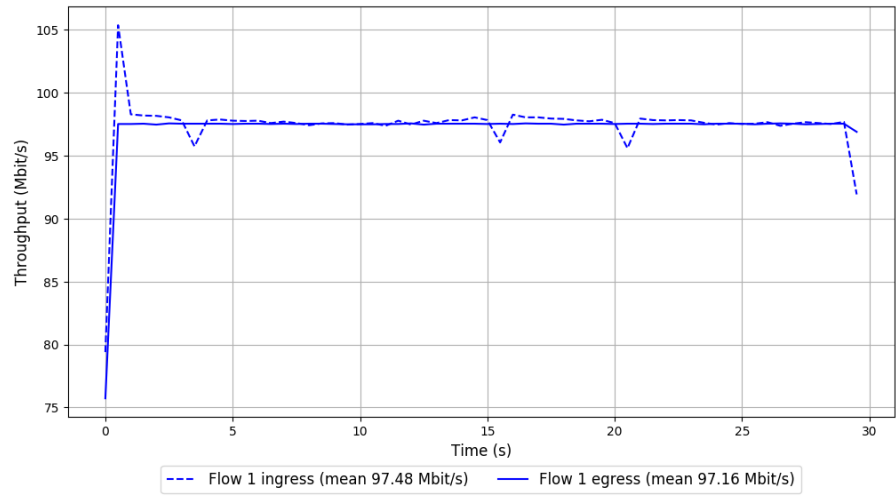


Run 4: Statistics of TCP Cubic

Start at: 2018-01-16 14:46:52
End at: 2018-01-16 14:47:22
Local clock offset: 0.898 ms
Remote clock offset: -16.051 ms

Below is generated by plot.py at 2018-01-16 17:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 32.784 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 32.784 ms
Loss rate: 0.22%

Run 4: Report of TCP Cubic — Data Link

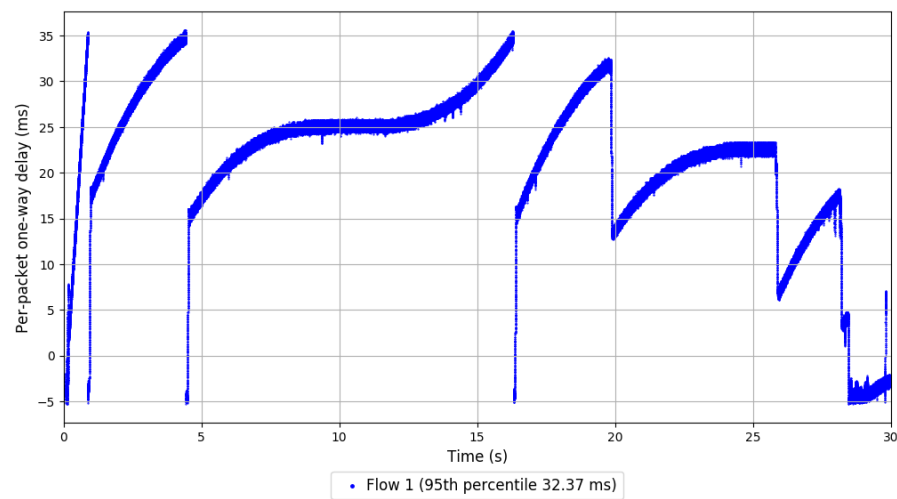
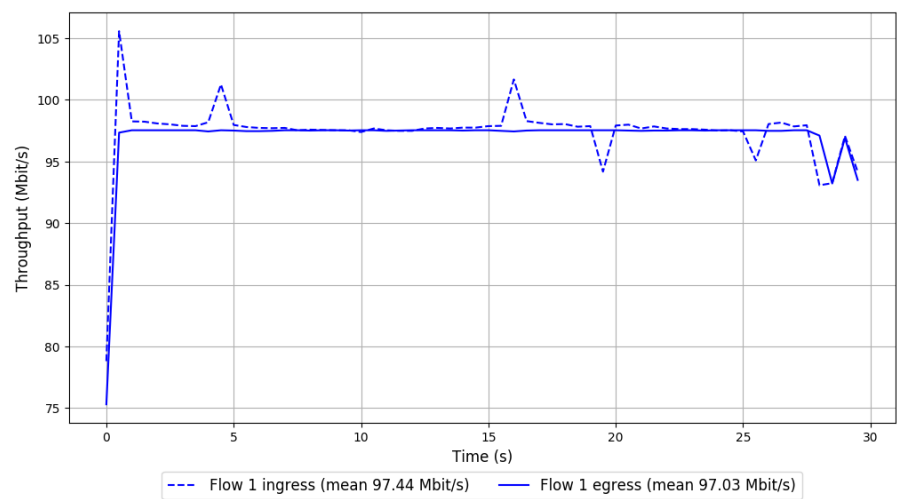


Run 5: Statistics of TCP Cubic

Start at: 2018-01-16 15:08:06
End at: 2018-01-16 15:08:36
Local clock offset: 1.598 ms
Remote clock offset: -15.717 ms

Below is generated by plot.py at 2018-01-16 17:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 32.366 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 32.366 ms
Loss rate: 0.42%

Run 5: Report of TCP Cubic — Data Link

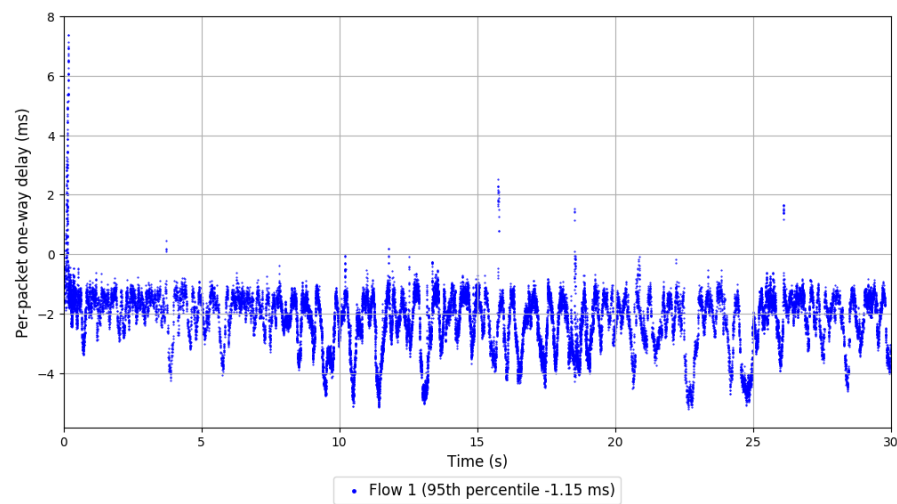
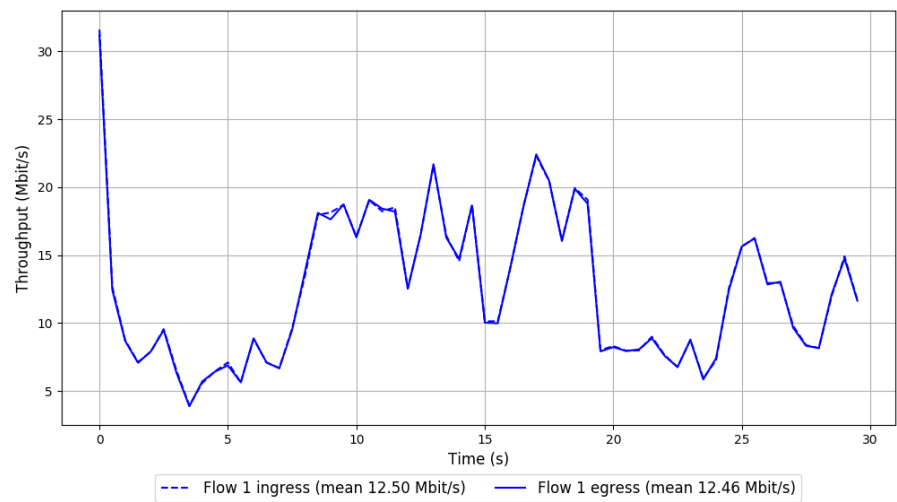


Run 6: Statistics of TCP Cubic

Start at: 2018-01-16 15:29:21
End at: 2018-01-16 15:29:51
Local clock offset: 0.48 ms
Remote clock offset: -17.222 ms

Below is generated by plot.py at 2018-01-16 17:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: -1.151 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: -1.151 ms
Loss rate: 0.33%

Run 6: Report of TCP Cubic — Data Link

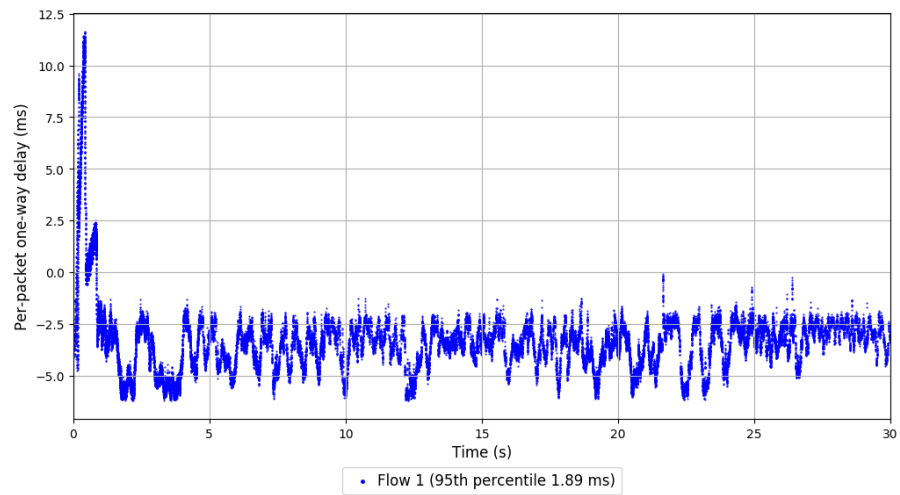
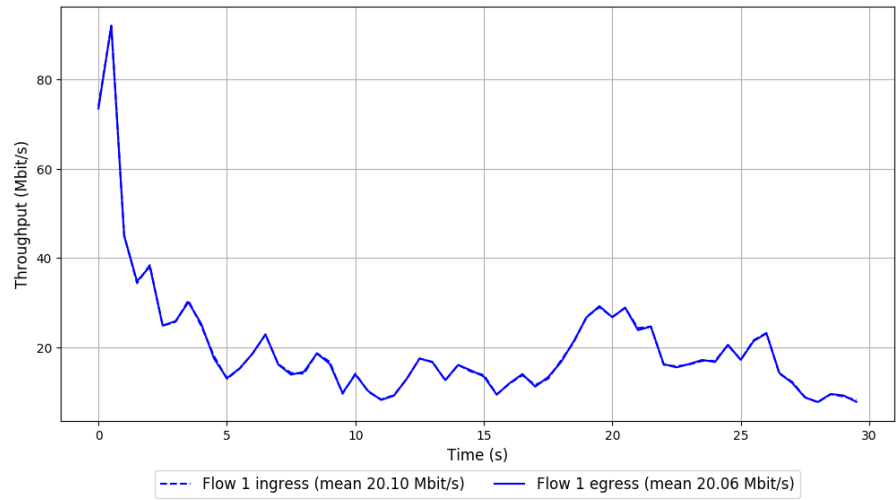


Run 7: Statistics of TCP Cubic

Start at: 2018-01-16 15:50:27
End at: 2018-01-16 15:50:57
Local clock offset: -0.729 ms
Remote clock offset: -20.134 ms

Below is generated by plot.py at 2018-01-16 17:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.06 Mbit/s
95th percentile per-packet one-way delay: 1.885 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 20.06 Mbit/s
95th percentile per-packet one-way delay: 1.885 ms
Loss rate: 0.18%

Run 7: Report of TCP Cubic — Data Link

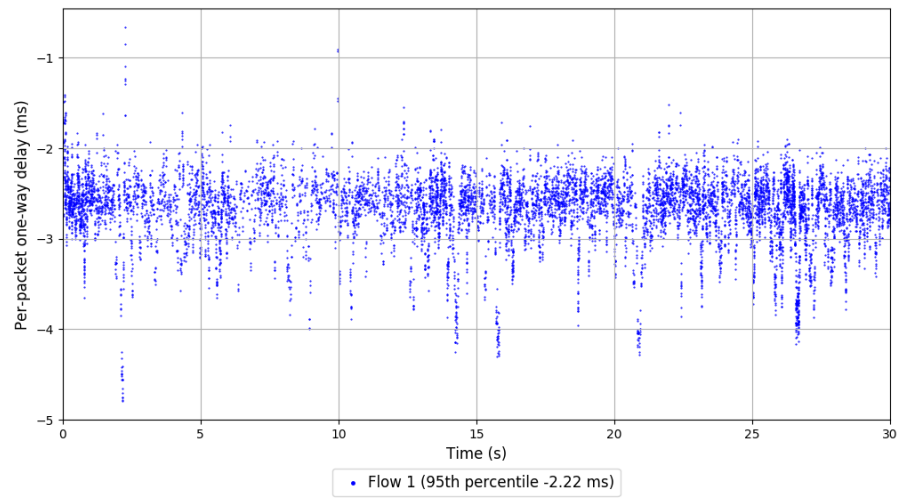
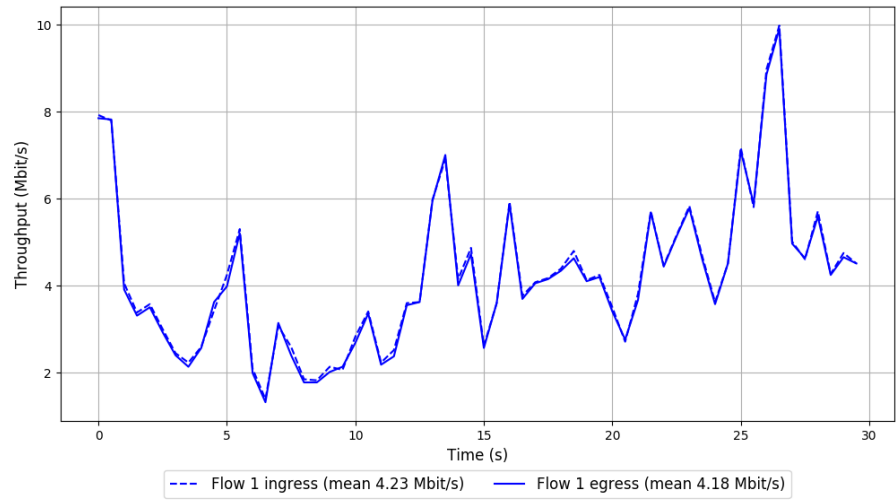


Run 8: Statistics of TCP Cubic

Start at: 2018-01-16 16:11:21
End at: 2018-01-16 16:11:51
Local clock offset: -1.213 ms
Remote clock offset: -21.325 ms

Below is generated by plot.py at 2018-01-16 17:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: -2.216 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: -2.216 ms
Loss rate: 1.28%

Run 8: Report of TCP Cubic — Data Link

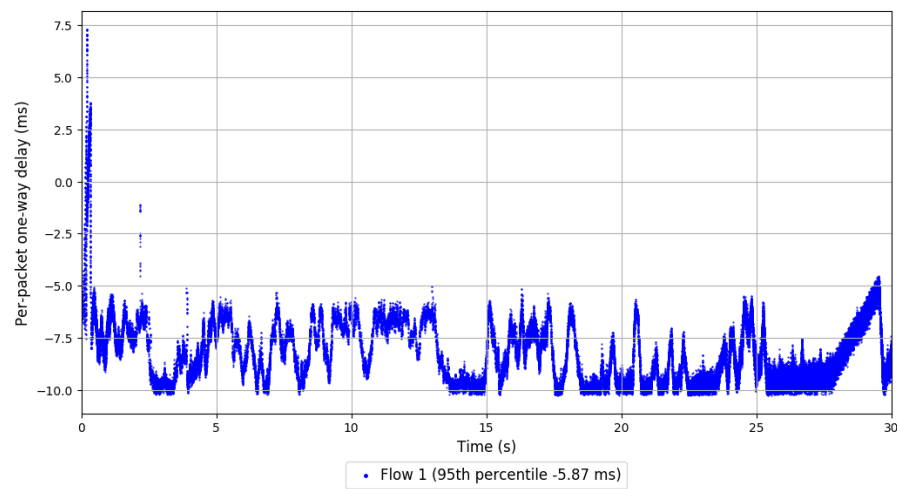
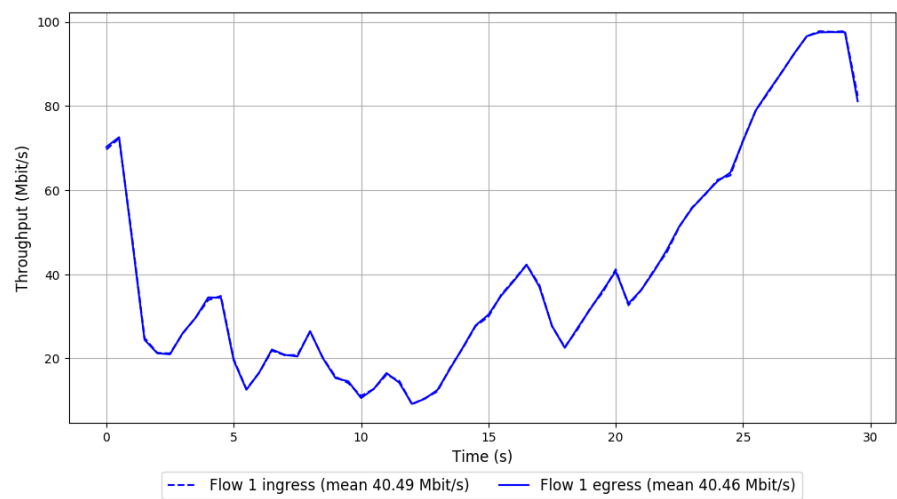


Run 9: Statistics of TCP Cubic

Start at: 2018-01-16 16:32:08
End at: 2018-01-16 16:32:38
Local clock offset: 2.483 ms
Remote clock offset: -21.791 ms

Below is generated by plot.py at 2018-01-16 17:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: -5.868 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: -5.868 ms
Loss rate: 0.06%

Run 9: Report of TCP Cubic — Data Link

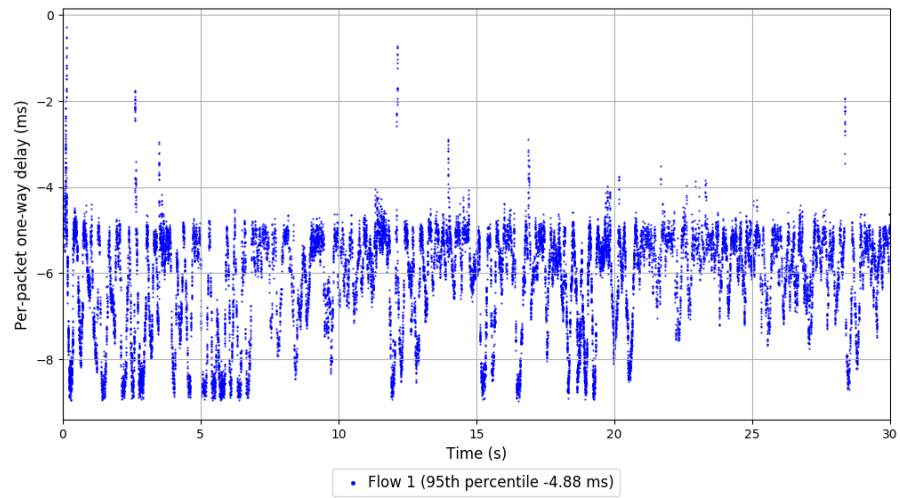
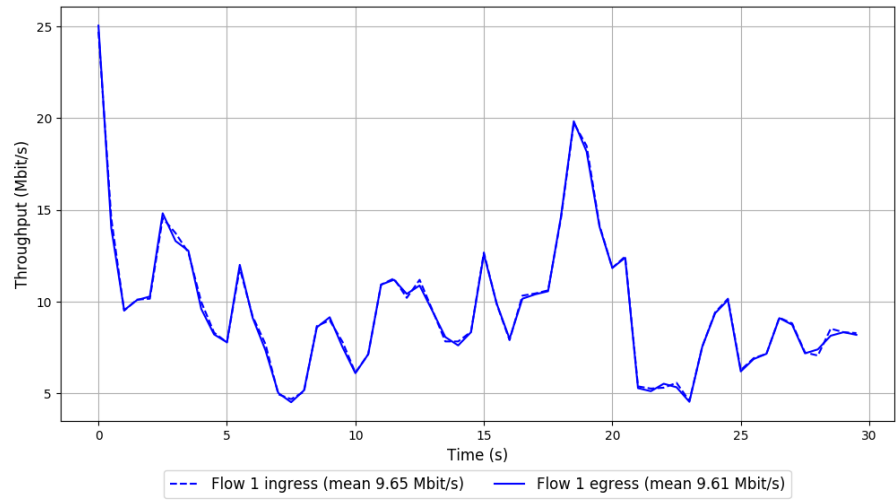


Run 10: Statistics of TCP Cubic

Start at: 2018-01-16 16:53:03
End at: 2018-01-16 16:53:33
Local clock offset: 2.088 ms
Remote clock offset: -21.276 ms

Below is generated by plot.py at 2018-01-16 17:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: -4.878 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: -4.878 ms
Loss rate: 0.46%

Run 10: Report of TCP Cubic — Data Link

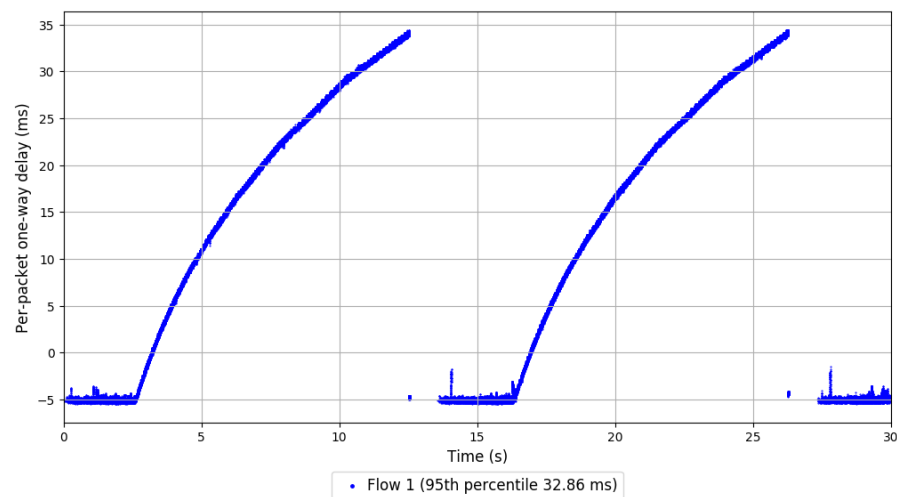
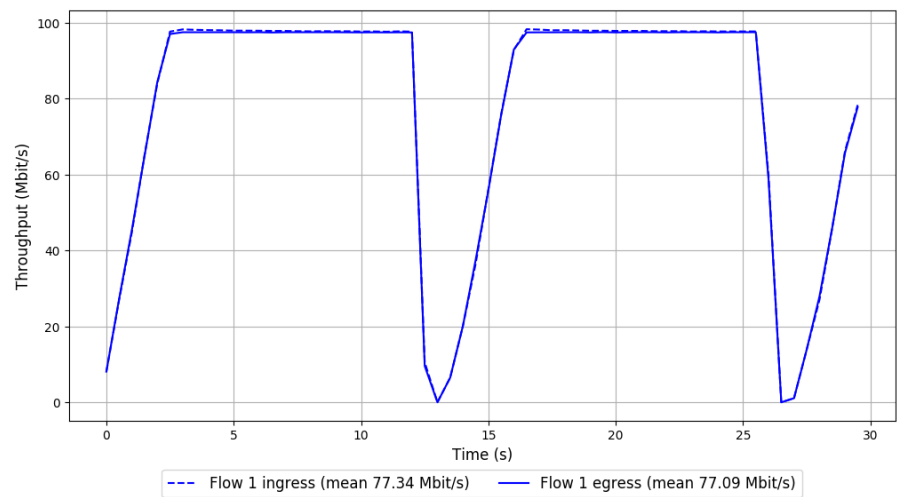


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-16 13:46:53
End at: 2018-01-16 13:47:23
Local clock offset: 0.179 ms
Remote clock offset: -15.688 ms

# Below is generated by plot.py at 2018-01-16 17:42:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 32.862 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 32.862 ms
Loss rate: 0.33%
```


Run 1: Report of LEDBAT — Data Link

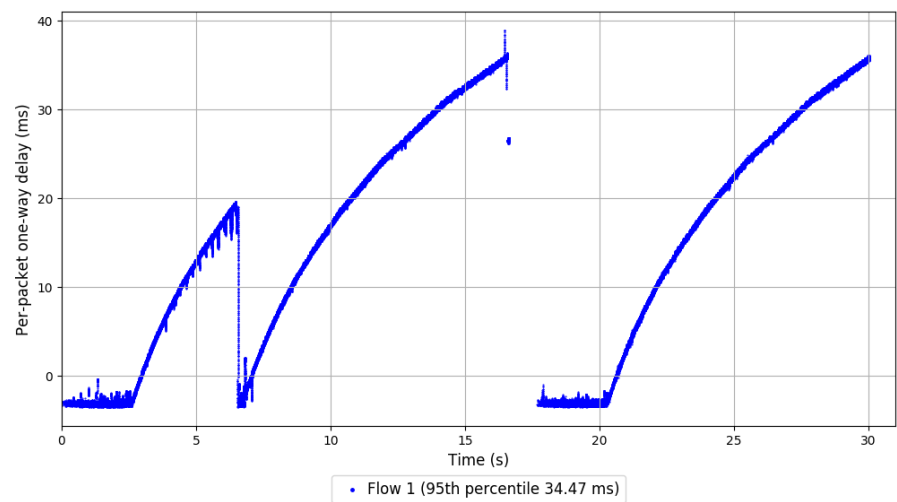
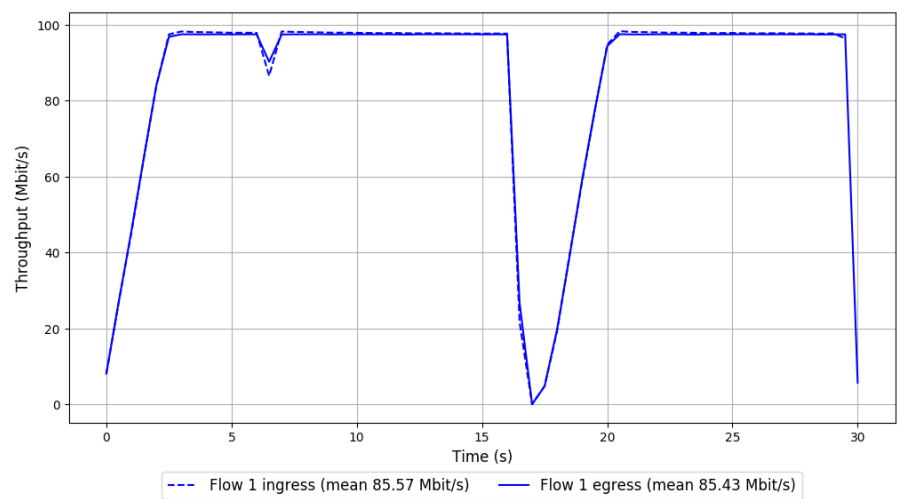


Run 2: Statistics of LEDBAT

Start at: 2018-01-16 14:08:07
End at: 2018-01-16 14:08:37
Local clock offset: -0.051 ms
Remote clock offset: -15.534 ms

Below is generated by plot.py at 2018-01-16 17:42:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 34.470 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 34.470 ms
Loss rate: 0.04%

Run 2: Report of LEDBAT — Data Link

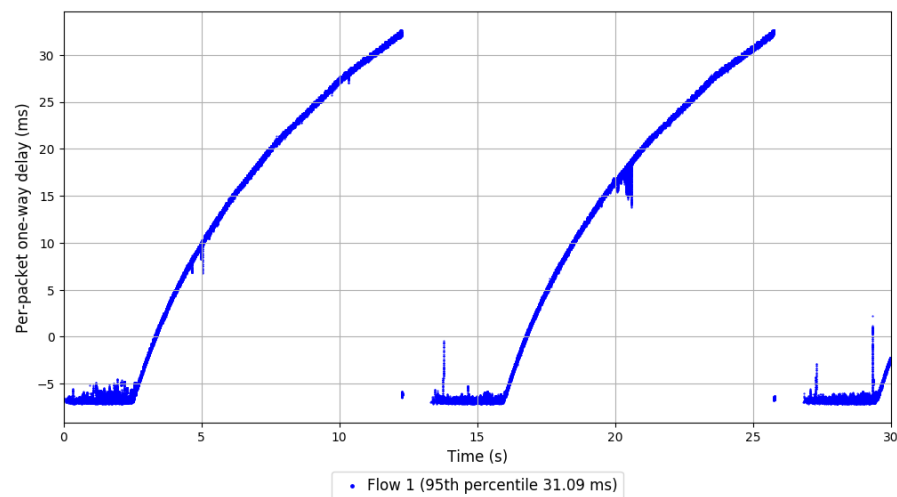
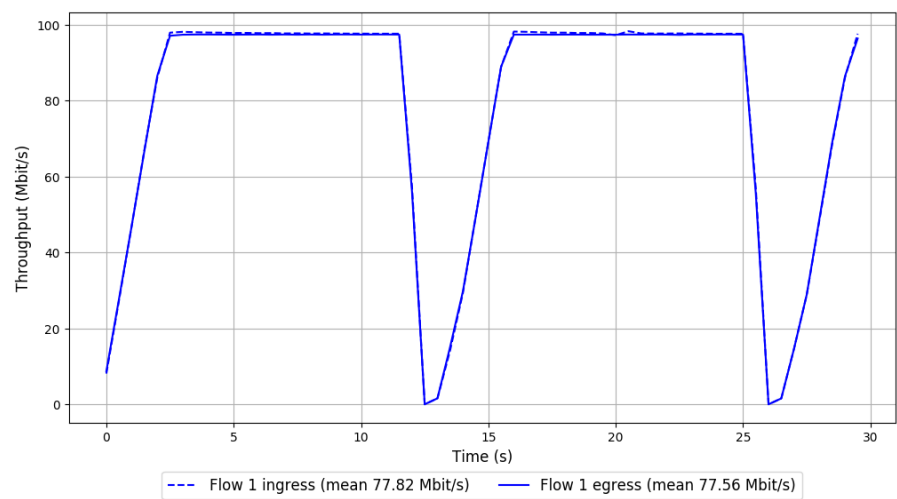


Run 3: Statistics of LEDBAT

Start at: 2018-01-16 14:29:19
End at: 2018-01-16 14:29:49
Local clock offset: 2.209 ms
Remote clock offset: -17.309 ms

Below is generated by plot.py at 2018-01-16 17:42:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.56 Mbit/s
95th percentile per-packet one-way delay: 31.091 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 77.56 Mbit/s
95th percentile per-packet one-way delay: 31.091 ms
Loss rate: 0.33%

Run 3: Report of LEDBAT — Data Link

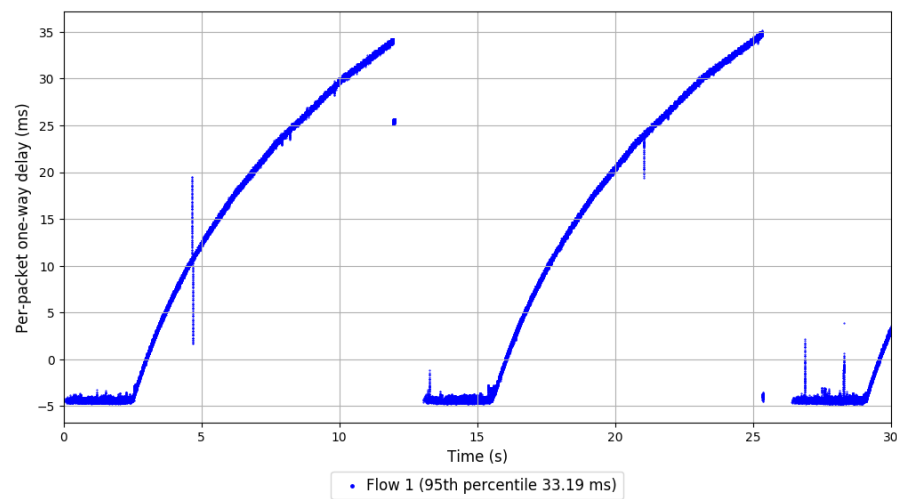
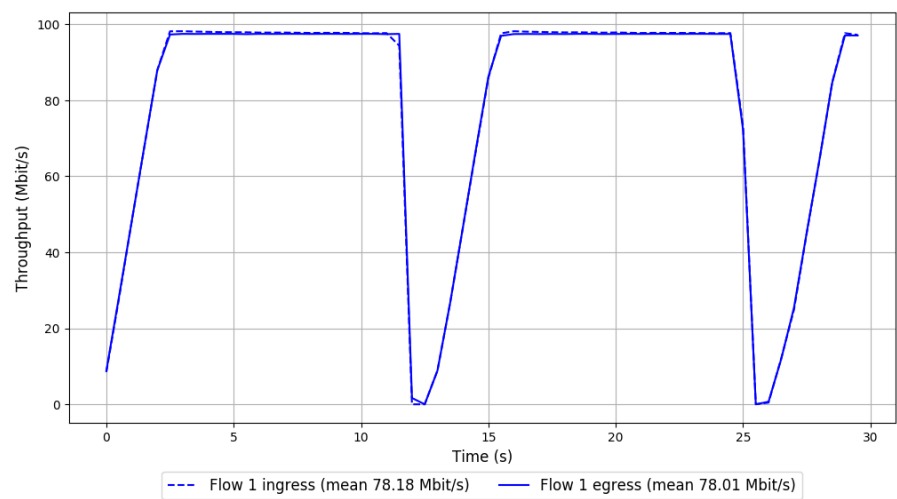


Run 4: Statistics of LEDBAT

Start at: 2018-01-16 14:50:27
End at: 2018-01-16 14:50:57
Local clock offset: 1.046 ms
Remote clock offset: -15.342 ms

Below is generated by plot.py at 2018-01-16 17:42:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: 33.192 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: 33.192 ms
Loss rate: 0.20%

Run 4: Report of LEDBAT — Data Link

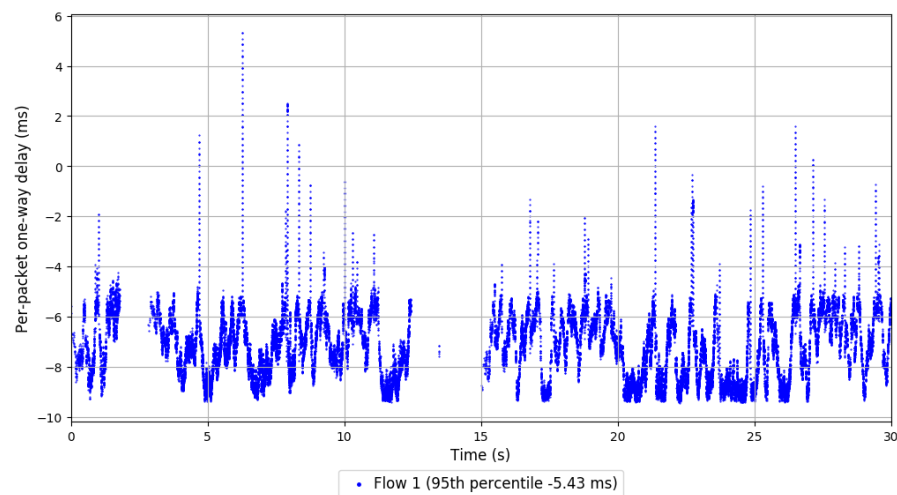
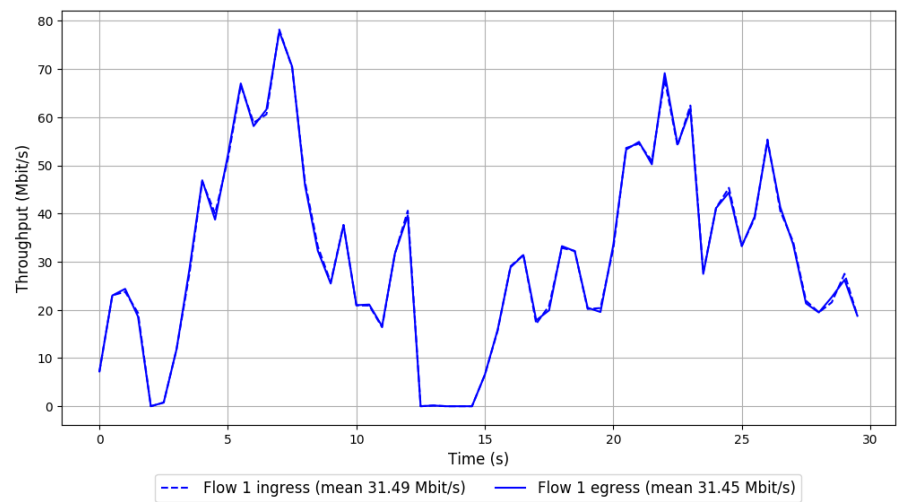


Run 5: Statistics of LEDBAT

Start at: 2018-01-16 15:11:43
End at: 2018-01-16 15:12:13
Local clock offset: 2.839 ms
Remote clock offset: -18.617 ms

Below is generated by plot.py at 2018-01-16 17:42:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: -5.426 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: -5.426 ms
Loss rate: 0.15%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

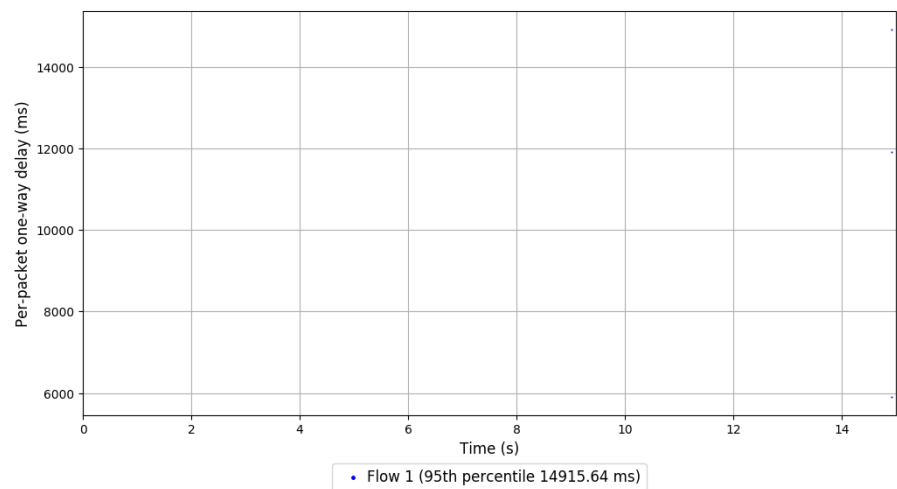
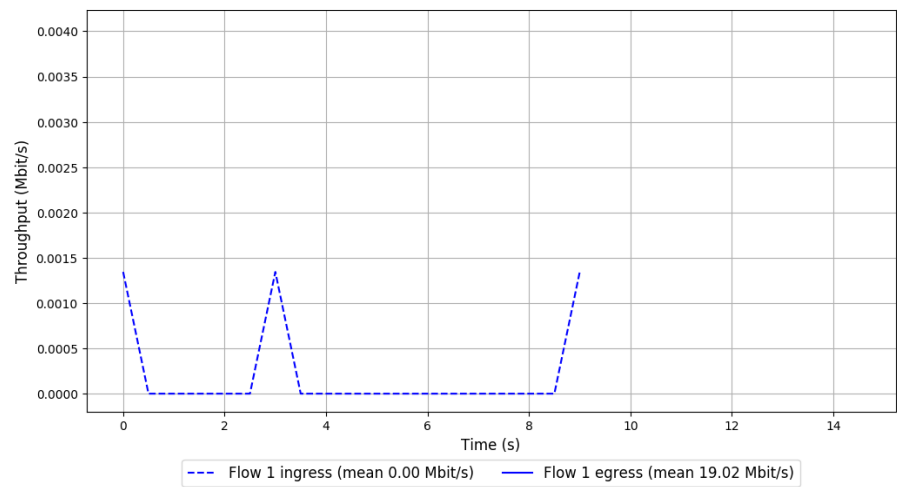
Start at: 2018-01-16 15:32:49

End at: 2018-01-16 15:33:19

Local clock offset: 1.06 ms

Remote clock offset: -18.778 ms

Run 6: Report of LEDBAT — Data Link

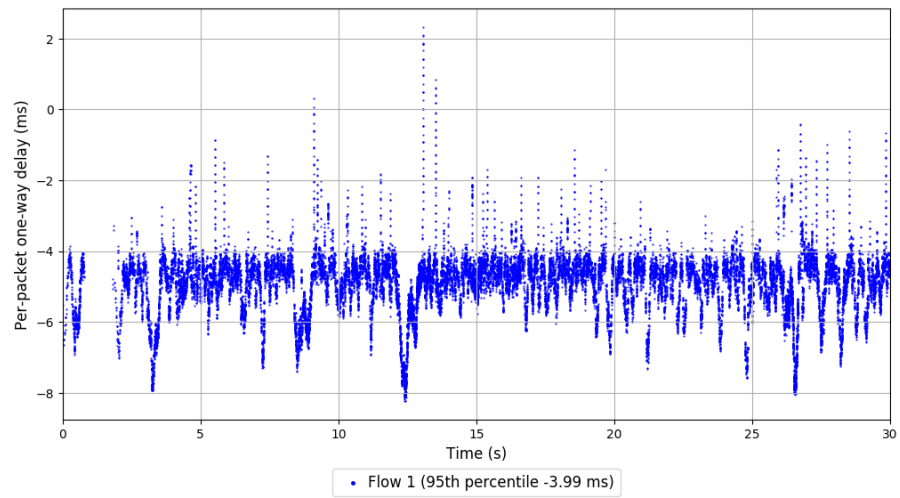
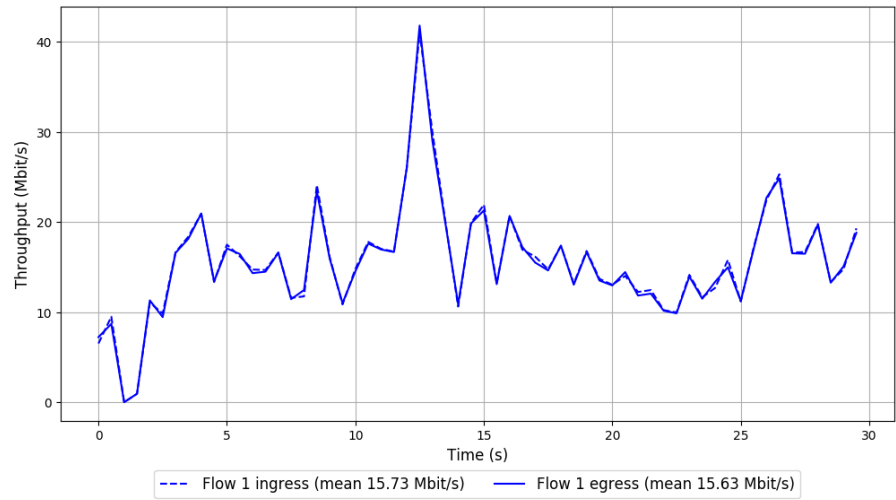


Run 7: Statistics of LEDBAT

Start at: 2018-01-16 15:53:51
End at: 2018-01-16 15:54:21
Local clock offset: 2.15 ms
Remote clock offset: -19.475 ms

Below is generated by plot.py at 2018-01-16 17:42:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: -3.988 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: -3.988 ms
Loss rate: 0.62%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

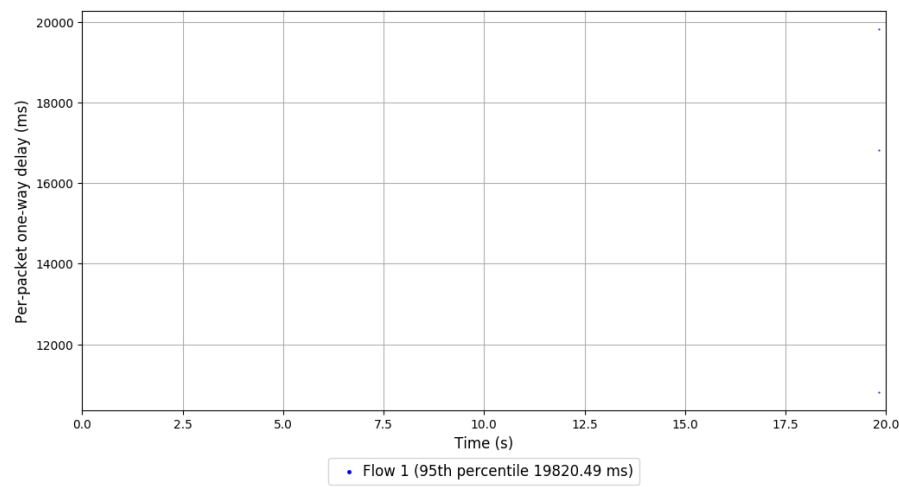
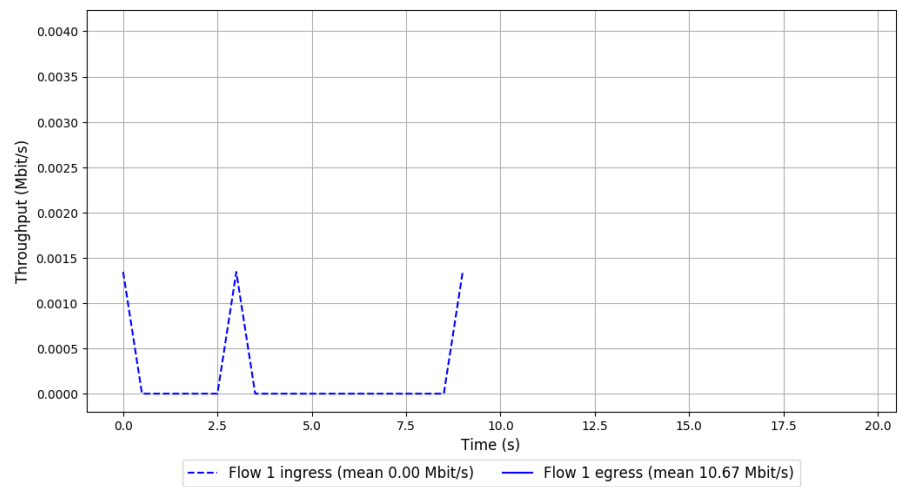
Start at: 2018-01-16 16:14:45

End at: 2018-01-16 16:15:16

Local clock offset: 0.726 ms

Remote clock offset: -19.411 ms

Run 8: Report of LEDBAT — Data Link

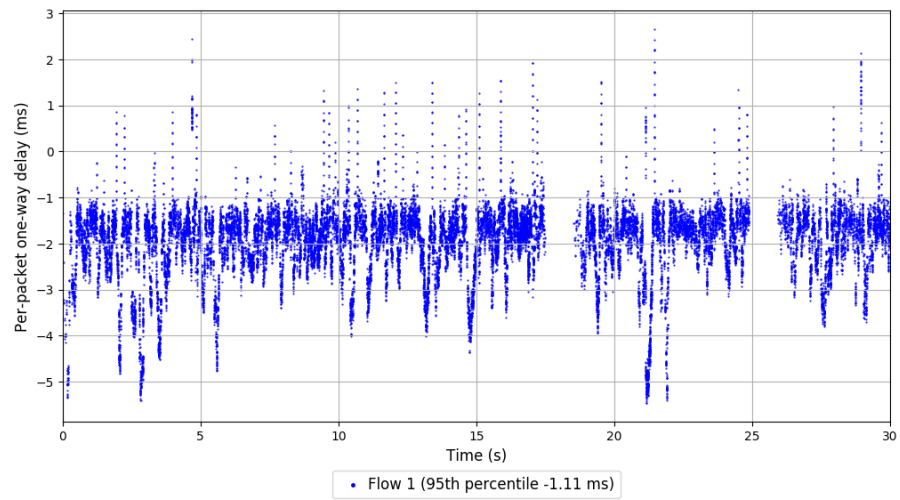
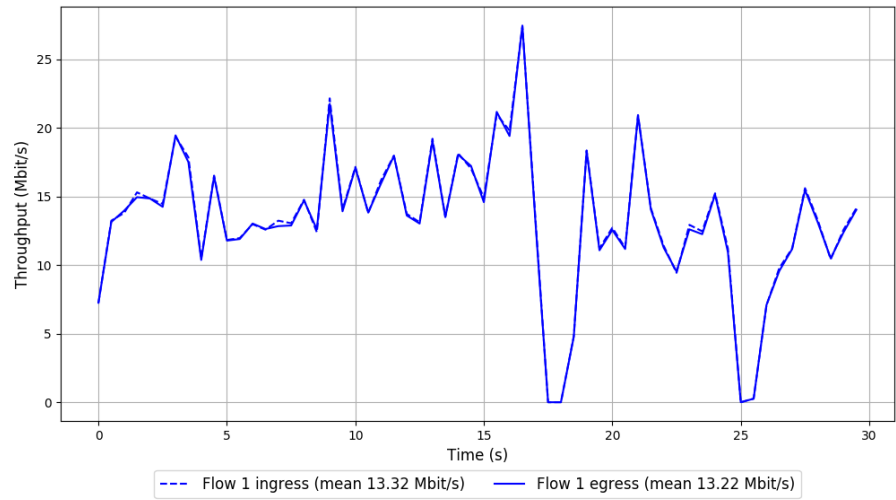


Run 9: Statistics of LEDBAT

Start at: 2018-01-16 16:35:34
End at: 2018-01-16 16:36:04
Local clock offset: -1.25 ms
Remote clock offset: -20.757 ms

Below is generated by plot.py at 2018-01-16 17:42:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.22 Mbit/s
95th percentile per-packet one-way delay: -1.110 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 13.22 Mbit/s
95th percentile per-packet one-way delay: -1.110 ms
Loss rate: 0.69%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

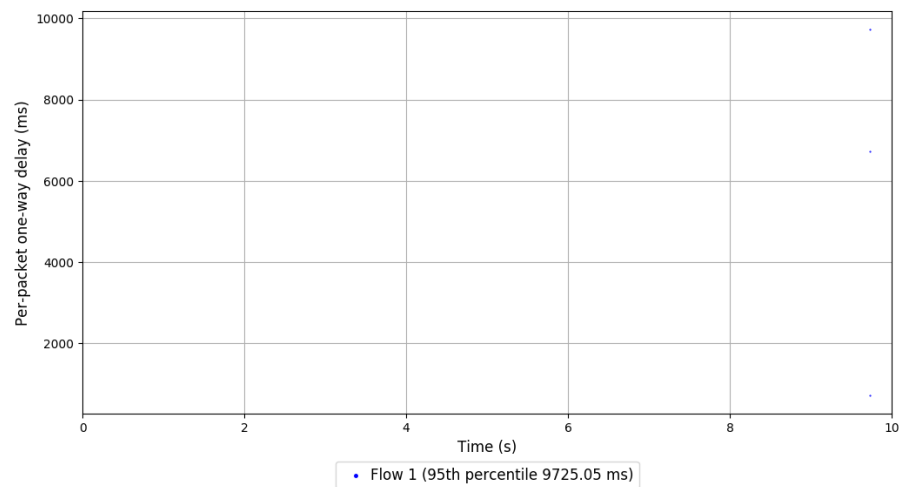
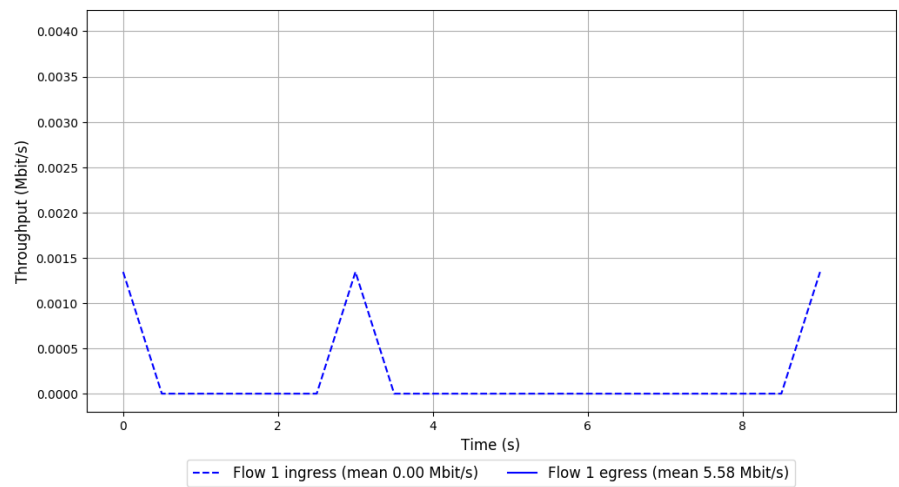
Start at: 2018-01-16 16:56:25

End at: 2018-01-16 16:56:56

Local clock offset: 0.508 ms

Remote clock offset: -20.893 ms

Run 10: Report of LEDBAT — Data Link

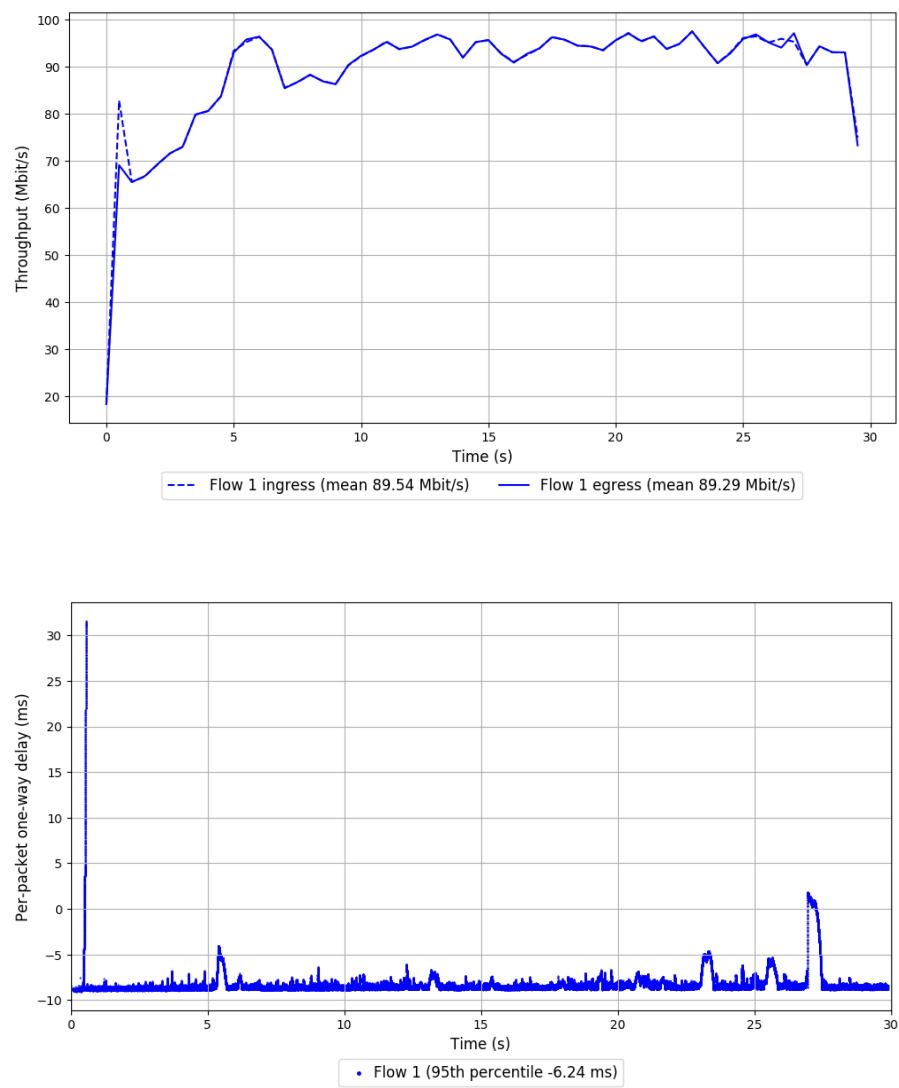


Run 1: Statistics of PCC

Start at: 2018-01-16 13:50:27
End at: 2018-01-16 13:50:57
Local clock offset: 2.43 ms
Remote clock offset: -17.226 ms

Below is generated by plot.py at 2018-01-16 17:42:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: -6.241 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: -6.241 ms
Loss rate: 0.28%

Run 1: Report of PCC — Data Link

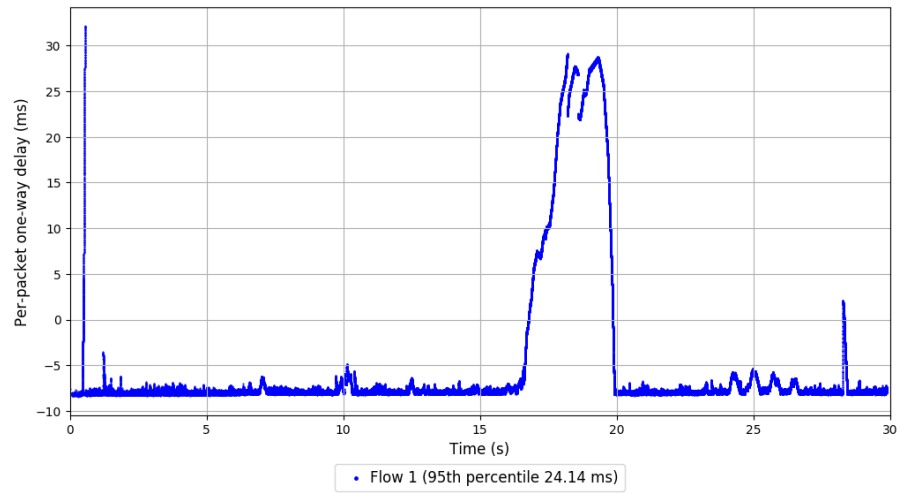
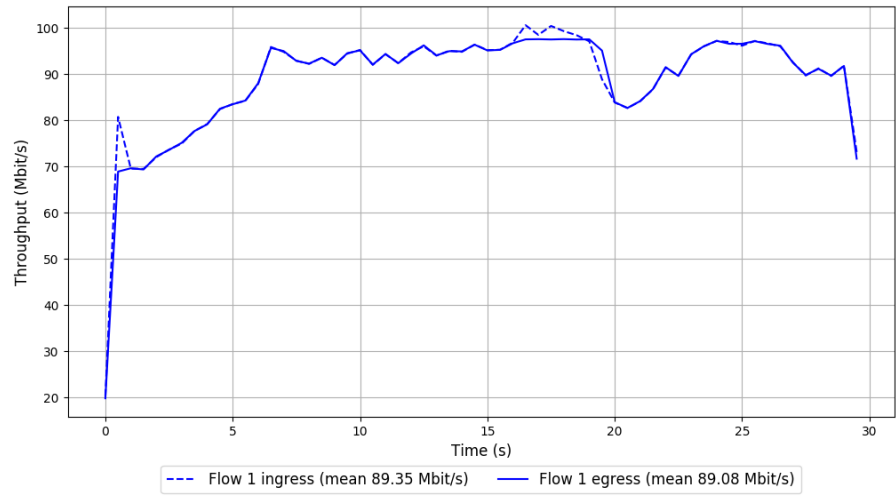


Run 2: Statistics of PCC

Start at: 2018-01-16 14:11:50
End at: 2018-01-16 14:12:20
Local clock offset: 3.071 ms
Remote clock offset: -17.478 ms

Below is generated by plot.py at 2018-01-16 17:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.08 Mbit/s
95th percentile per-packet one-way delay: 24.135 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 89.08 Mbit/s
95th percentile per-packet one-way delay: 24.135 ms
Loss rate: 0.31%

Run 2: Report of PCC — Data Link

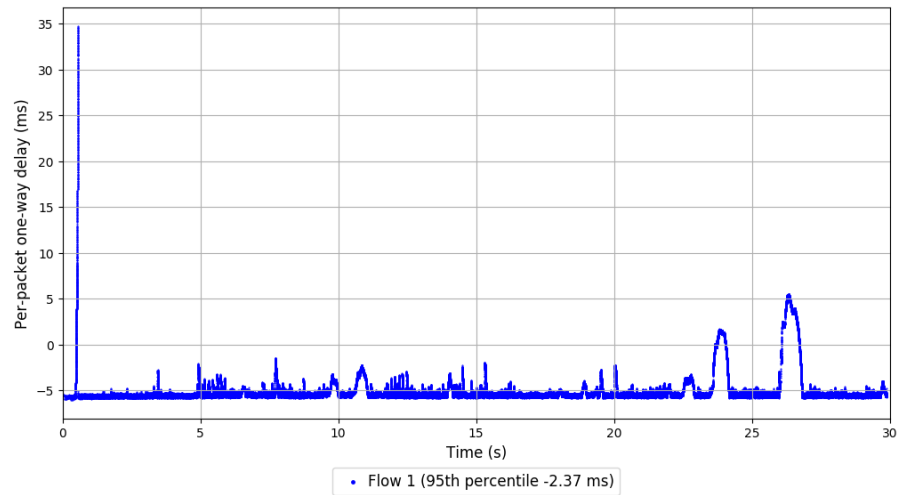
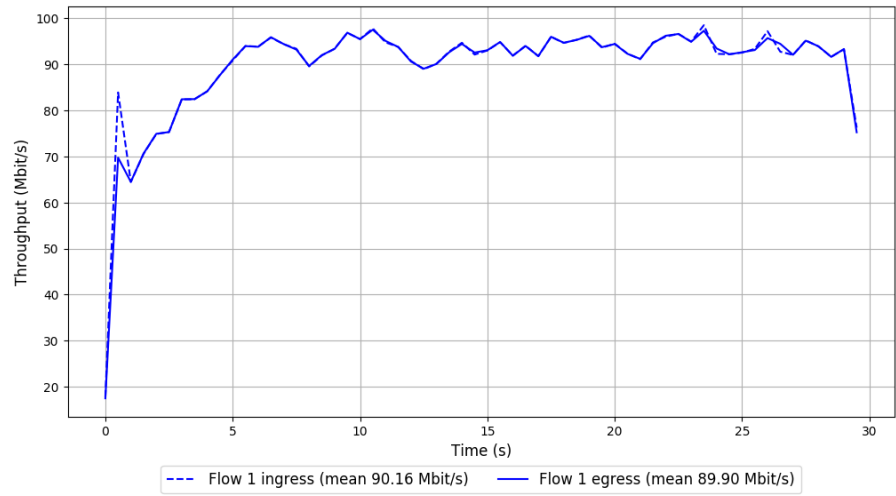


Run 3: Statistics of PCC

Start at: 2018-01-16 14:32:53
End at: 2018-01-16 14:33:23
Local clock offset: 2.323 ms
Remote clock offset: -15.842 ms

Below is generated by plot.py at 2018-01-16 17:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: -2.365 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: -2.365 ms
Loss rate: 0.28%

Run 3: Report of PCC — Data Link

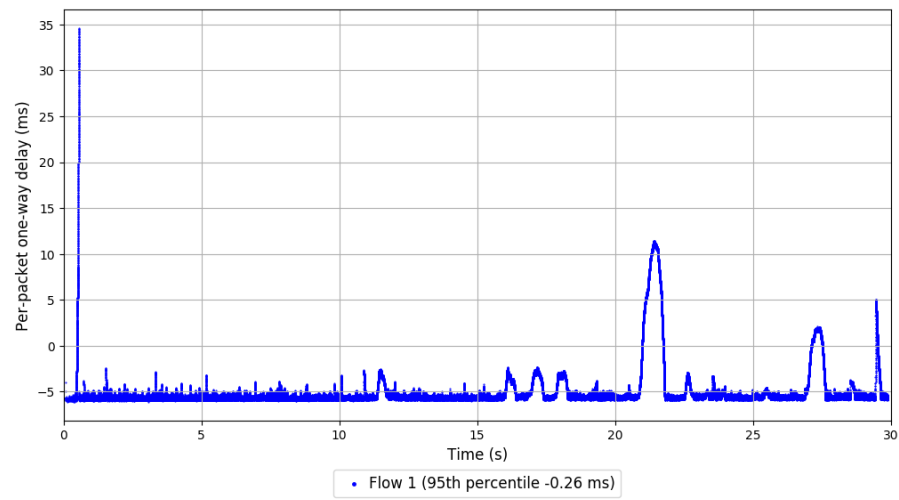
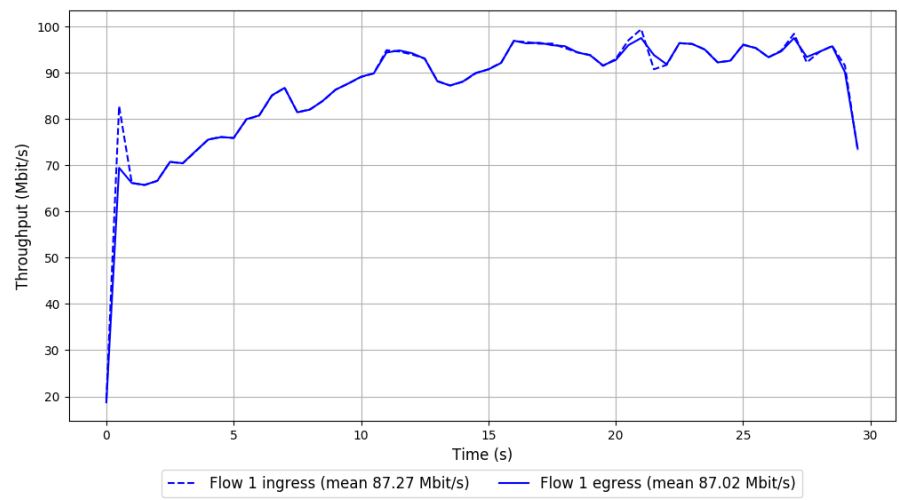


Run 4: Statistics of PCC

Start at: 2018-01-16 14:54:06
End at: 2018-01-16 14:54:36
Local clock offset: 0.163 ms
Remote clock offset: -17.358 ms

Below is generated by plot.py at 2018-01-16 17:43:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: -0.262 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: -0.262 ms
Loss rate: 0.28%

Run 4: Report of PCC — Data Link

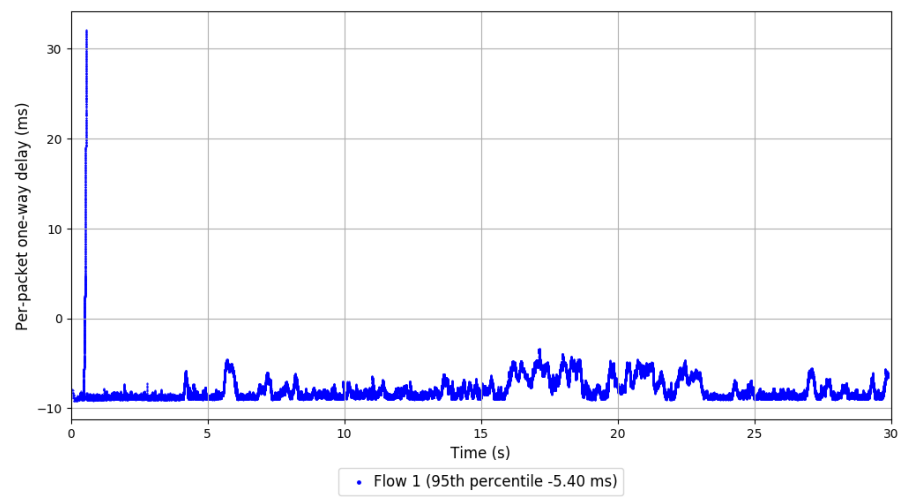
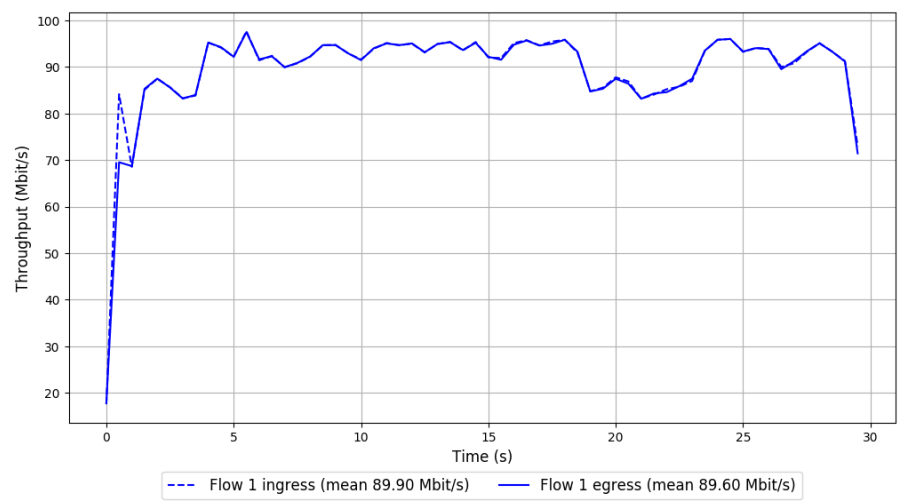


Run 5: Statistics of PCC

Start at: 2018-01-16 15:15:16
End at: 2018-01-16 15:15:46
Local clock offset: 1.585 ms
Remote clock offset: -19.626 ms

Below is generated by plot.py at 2018-01-16 17:43:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: -5.398 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: -5.398 ms
Loss rate: 0.32%

Run 5: Report of PCC — Data Link

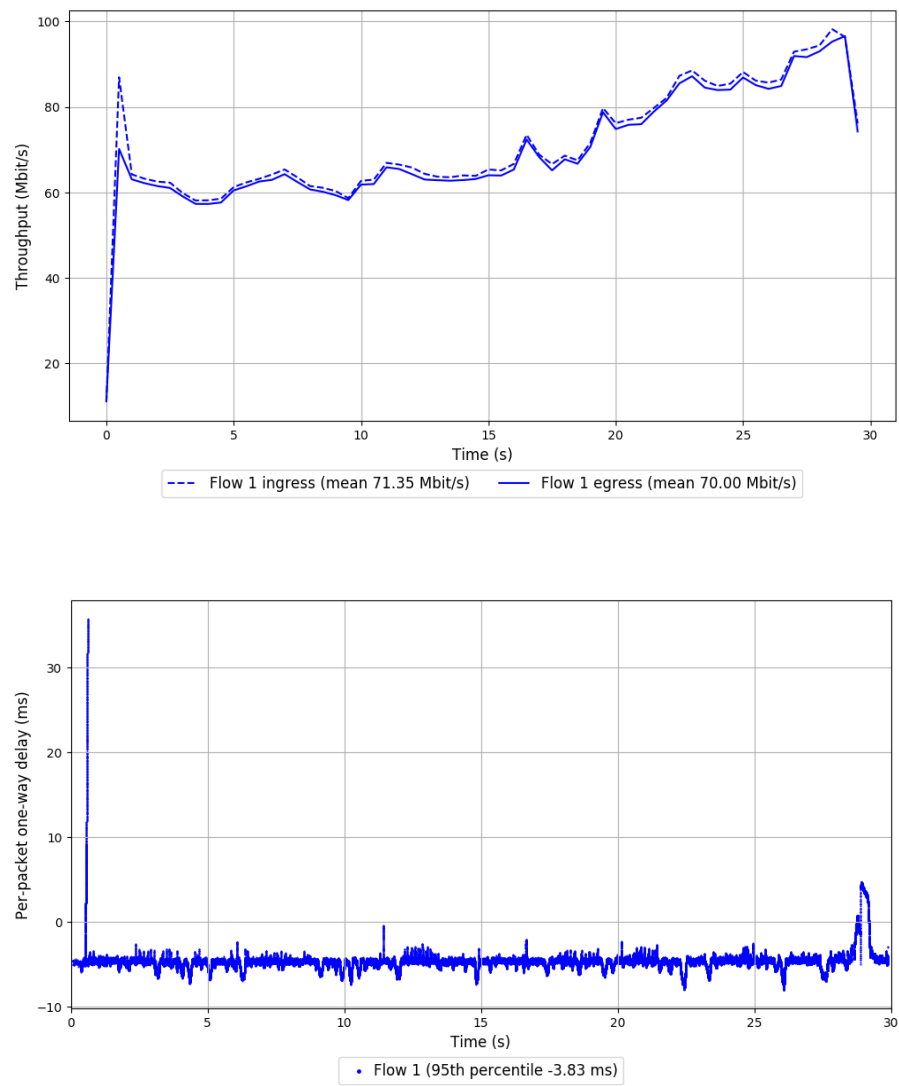


Run 6: Statistics of PCC

Start at: 2018-01-16 15:36:22
End at: 2018-01-16 15:36:52
Local clock offset: 2.434 ms
Remote clock offset: -18.64 ms

Below is generated by plot.py at 2018-01-16 17:43:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: -3.831 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: -3.831 ms
Loss rate: 1.89%

Run 6: Report of PCC — Data Link

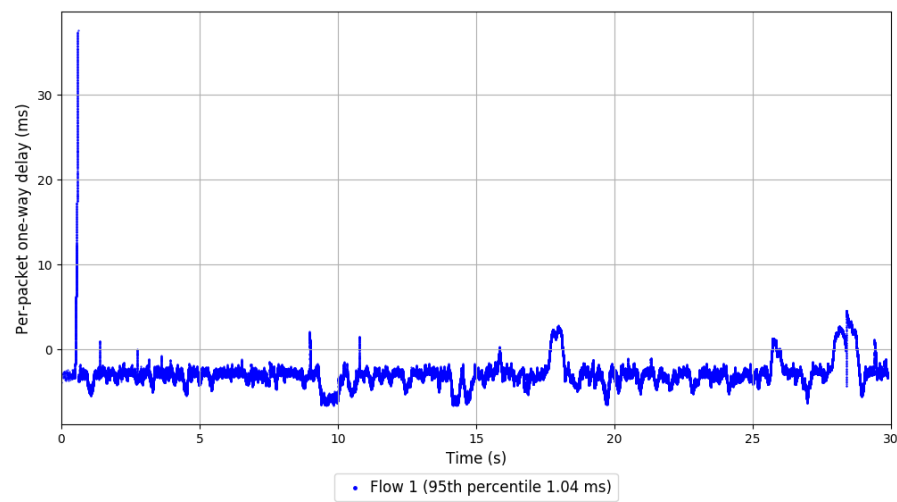
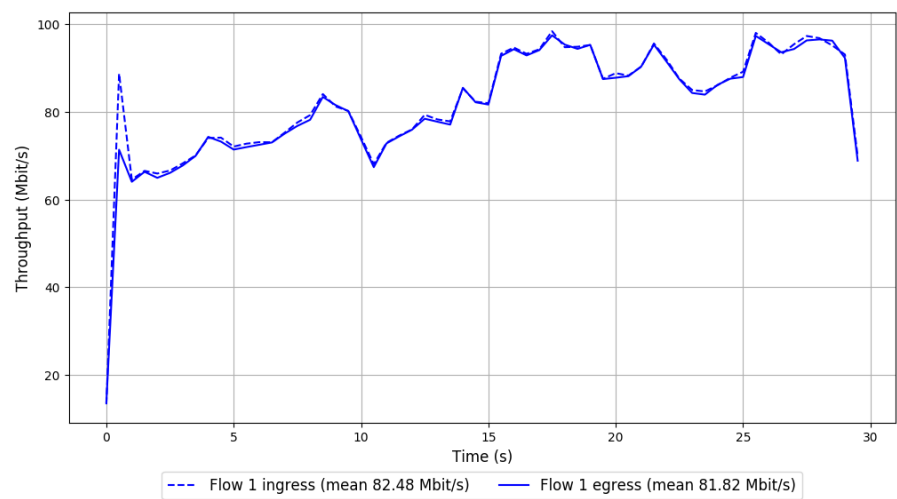


Run 7: Statistics of PCC

Start at: 2018-01-16 15:57:15
End at: 2018-01-16 15:57:45
Local clock offset: -0.143 ms
Remote clock offset: -20.039 ms

Below is generated by plot.py at 2018-01-16 17:43:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.82 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 81.82 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.80%

Run 7: Report of PCC — Data Link

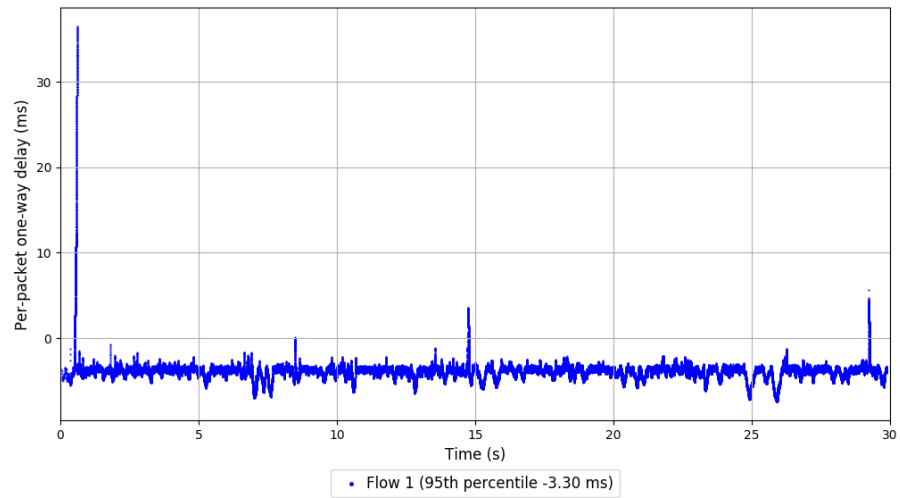
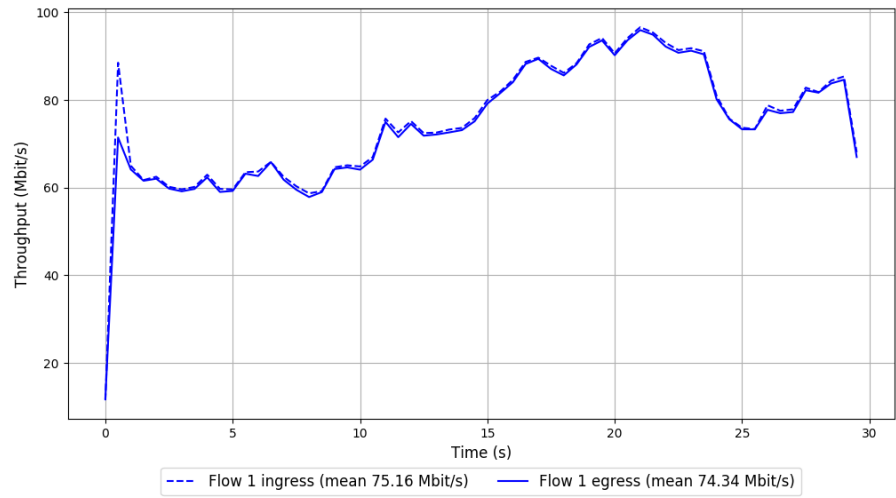


Run 8: Statistics of PCC

Start at: 2018-01-16 16:18:14
End at: 2018-01-16 16:18:44
Local clock offset: 1.449 ms
Remote clock offset: -19.875 ms

Below is generated by plot.py at 2018-01-16 17:43:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.34 Mbit/s
95th percentile per-packet one-way delay: -3.303 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 74.34 Mbit/s
95th percentile per-packet one-way delay: -3.303 ms
Loss rate: 1.10%

Run 8: Report of PCC — Data Link

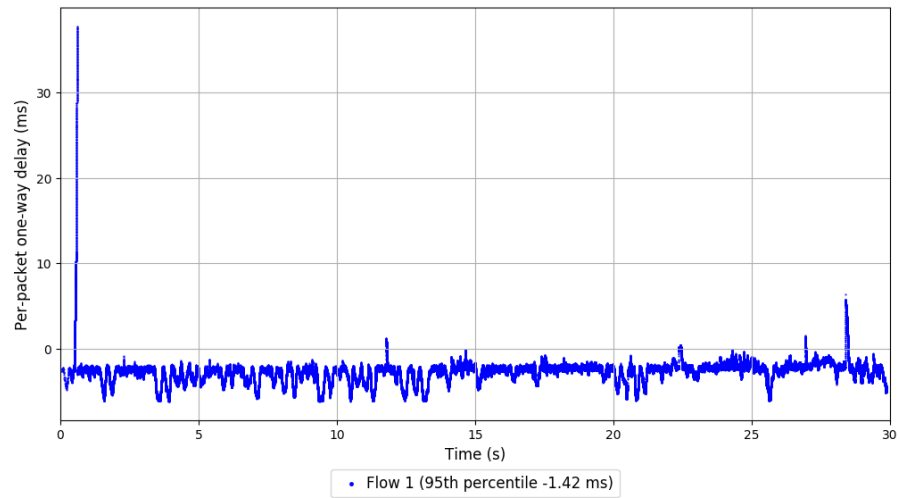
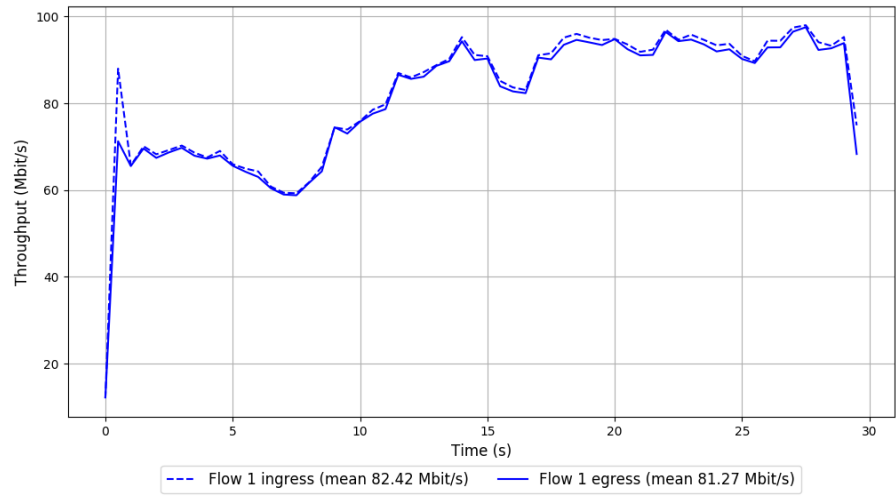


Run 9: Statistics of PCC

Start at: 2018-01-16 16:39:05
End at: 2018-01-16 16:39:35
Local clock offset: -0.788 ms
Remote clock offset: -21.073 ms

Below is generated by plot.py at 2018-01-16 17:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: -1.421 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: -1.421 ms
Loss rate: 1.40%

Run 9: Report of PCC — Data Link

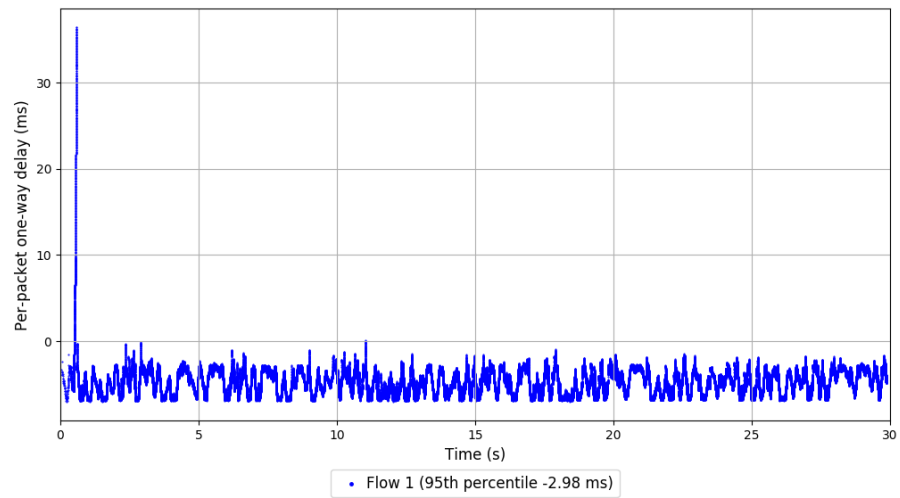
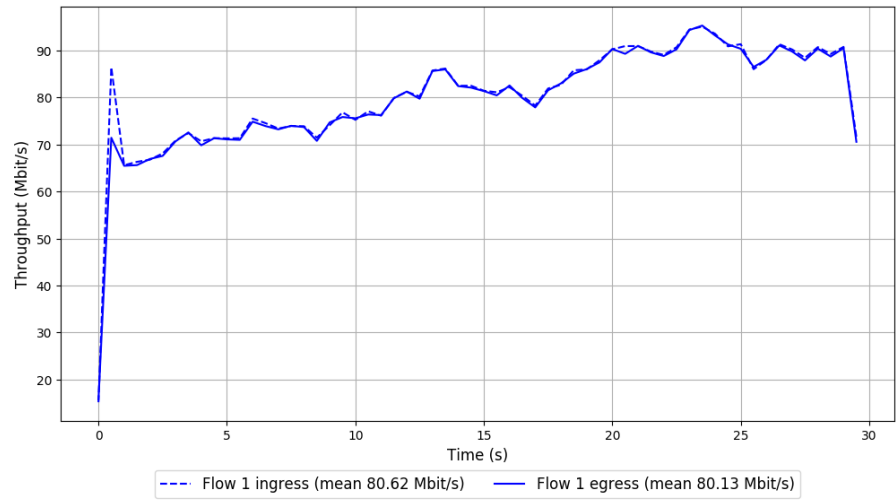


Run 10: Statistics of PCC

Start at: 2018-01-16 16:59:52
End at: 2018-01-16 17:00:22
Local clock offset: 0.664 ms
Remote clock offset: -20.663 ms

Below is generated by plot.py at 2018-01-16 17:44:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: -2.977 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: -2.977 ms
Loss rate: 0.62%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 13:45:42

End at: 2018-01-16 13:46:12

Local clock offset: 2.166 ms

Remote clock offset: -15.8 ms

Below is generated by plot.py at 2018-01-16 17:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.60 Mbit/s

95th percentile per-packet one-way delay: 30.150 ms

Loss rate: 0.75%

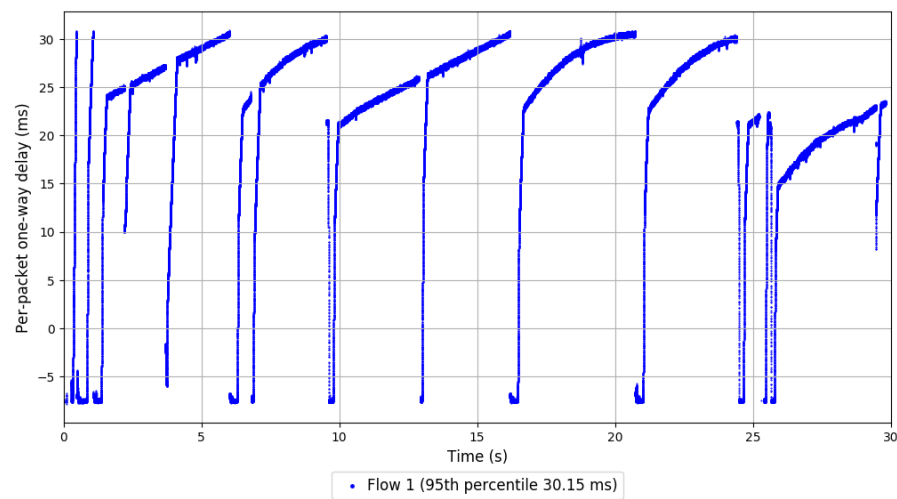
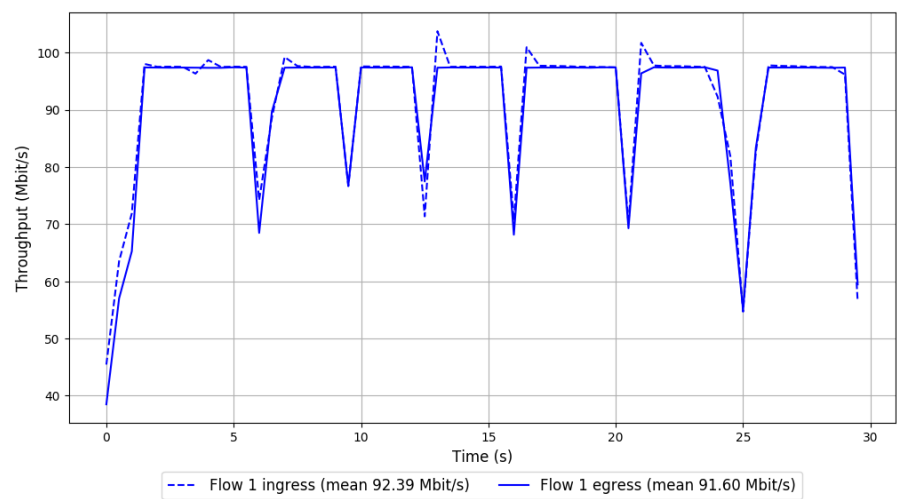
-- Flow 1:

Average throughput: 91.60 Mbit/s

95th percentile per-packet one-way delay: 30.150 ms

Loss rate: 0.75%

Run 1: Report of QUIC Cubic — Data Link

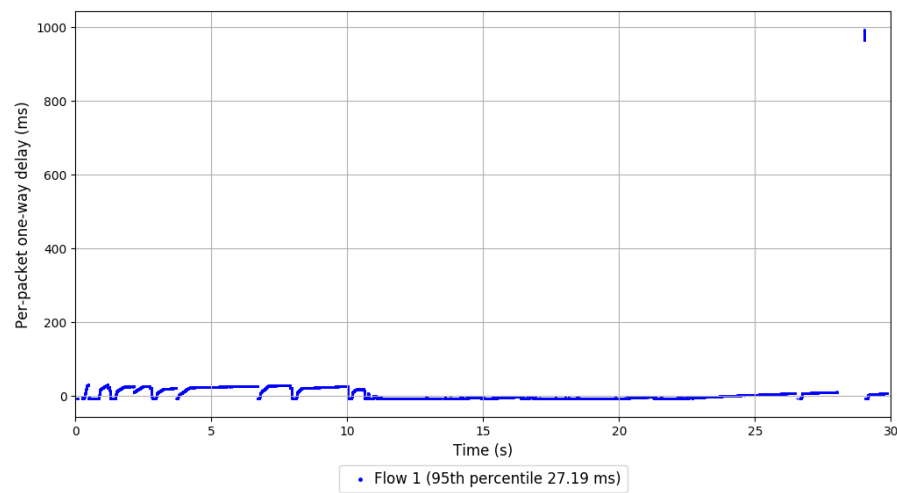
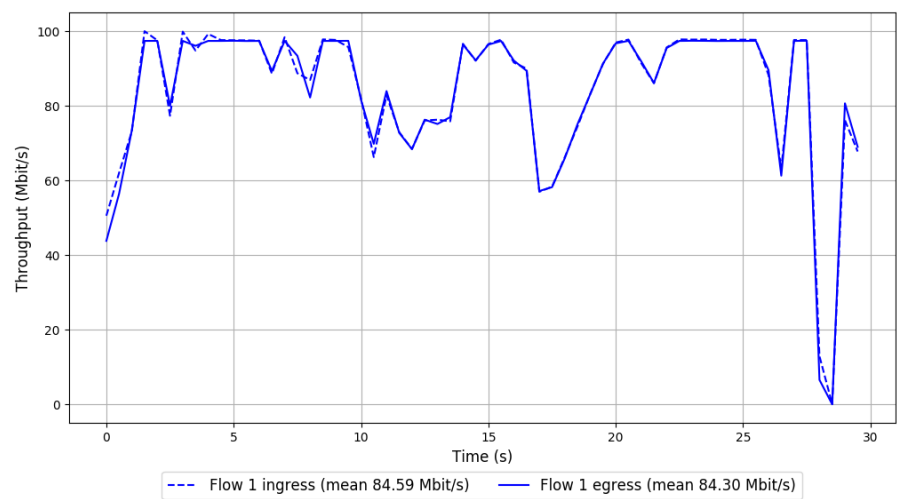


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 14:06:57
End at: 2018-01-16 14:07:27
Local clock offset: 1.565 ms
Remote clock offset: -16.829 ms

Below is generated by plot.py at 2018-01-16 17:44:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 27.191 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 27.191 ms
Loss rate: 0.30%

Run 2: Report of QUIC Cubic — Data Link

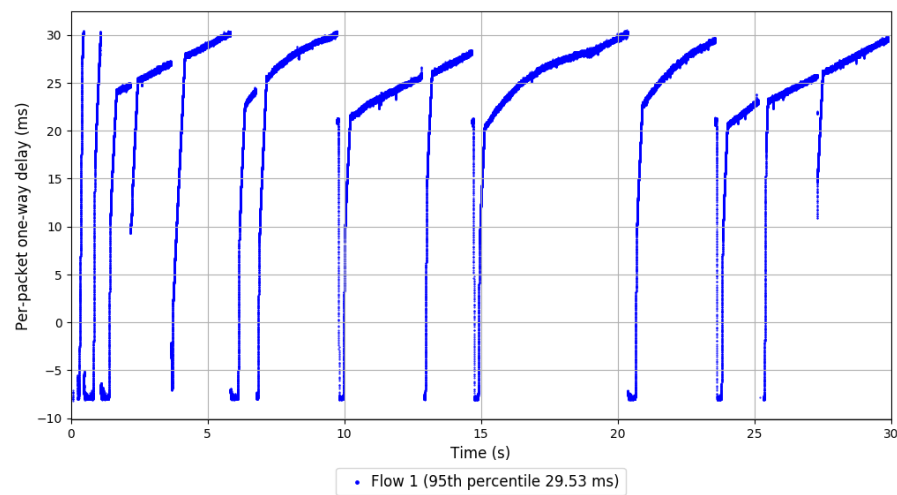
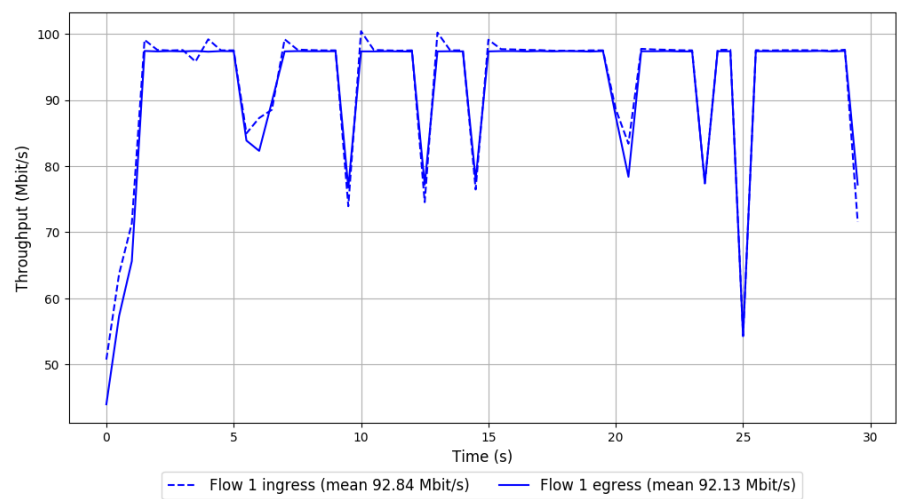


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-16 14:28:09
End at: 2018-01-16 14:28:39
Local clock offset: 2.968 ms
Remote clock offset: -17.516 ms

Below is generated by plot.py at 2018-01-16 17:45:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 29.533 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 29.533 ms
Loss rate: 0.63%

Run 3: Report of QUIC Cubic — Data Link

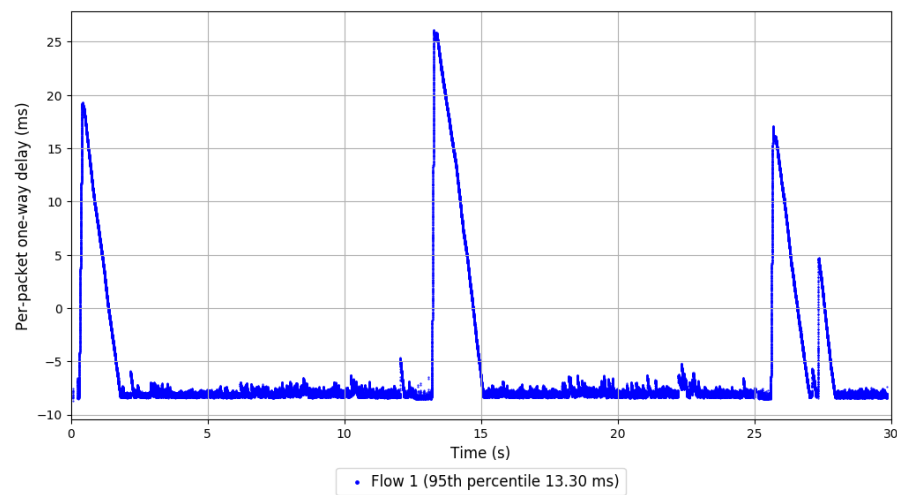
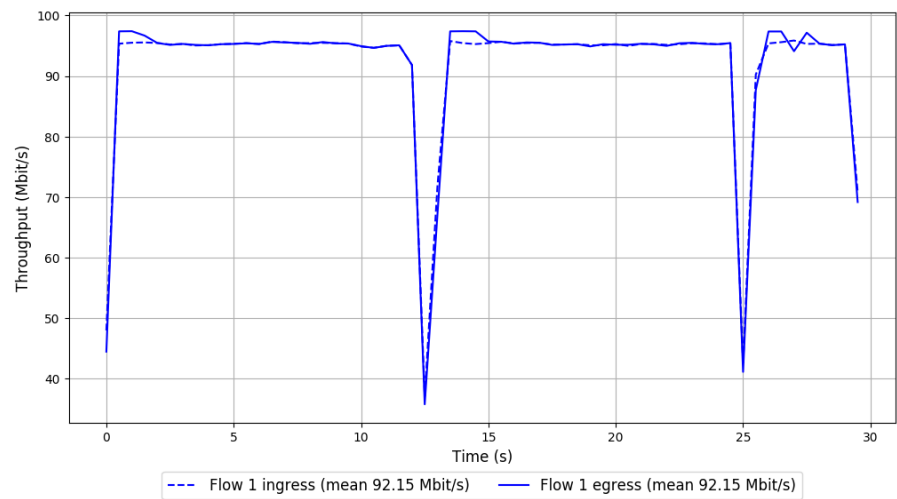


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-16 14:49:16
End at: 2018-01-16 14:49:46
Local clock offset: 2.466 ms
Remote clock offset: -17.706 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 13.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 13.300 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

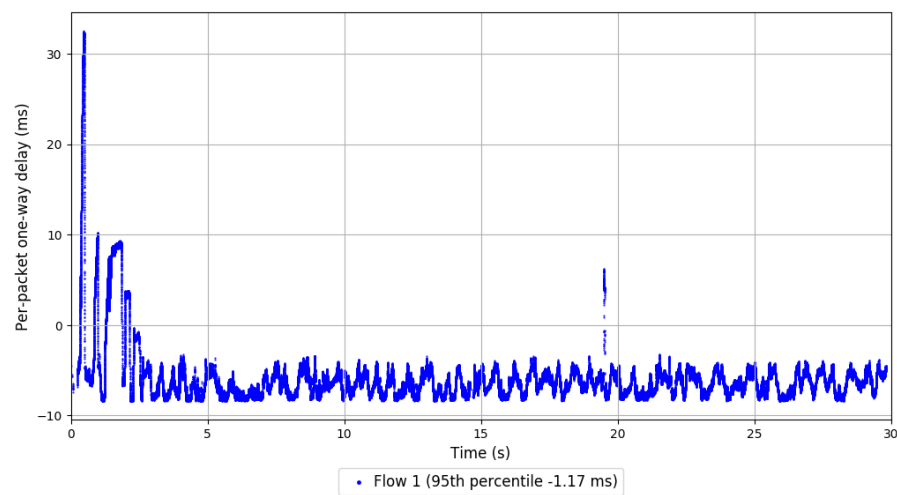
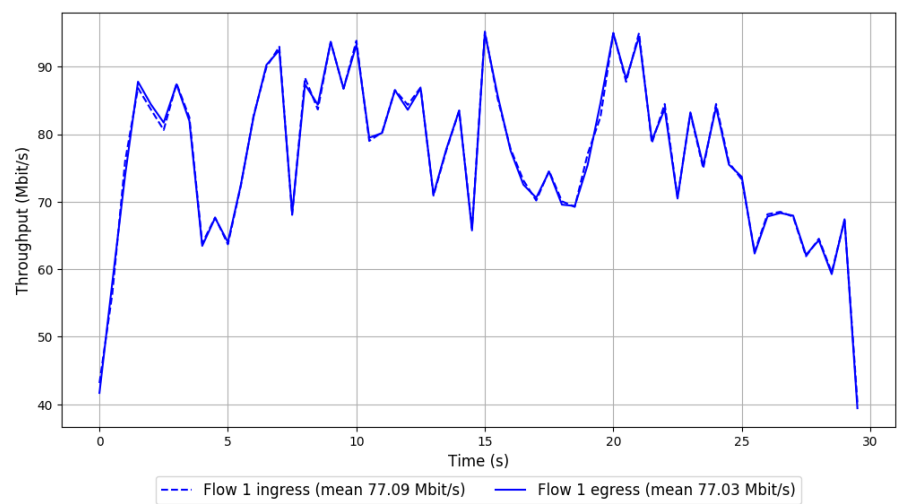


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-16 15:10:34
End at: 2018-01-16 15:11:04
Local clock offset: 3.329 ms
Remote clock offset: -17.107 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.03 Mbit/s
95th percentile per-packet one-way delay: -1.168 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.03 Mbit/s
95th percentile per-packet one-way delay: -1.168 ms
Loss rate: 0.08%

Run 5: Report of QUIC Cubic — Data Link

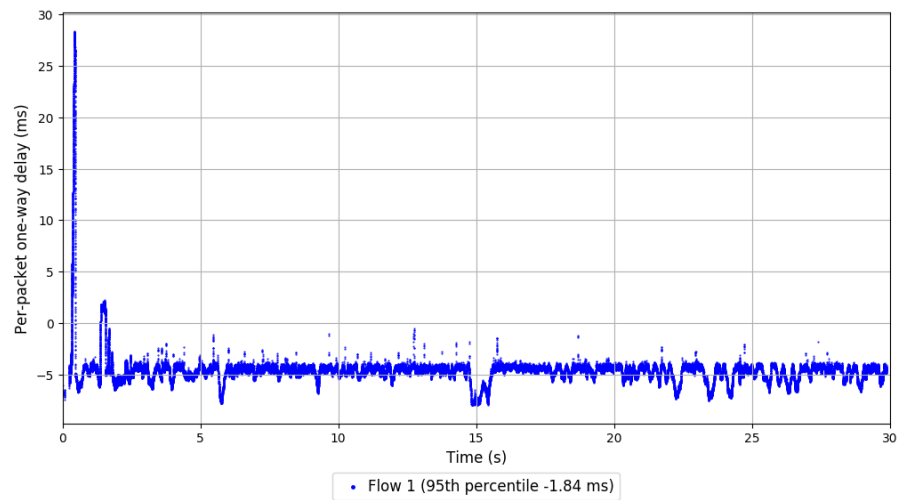
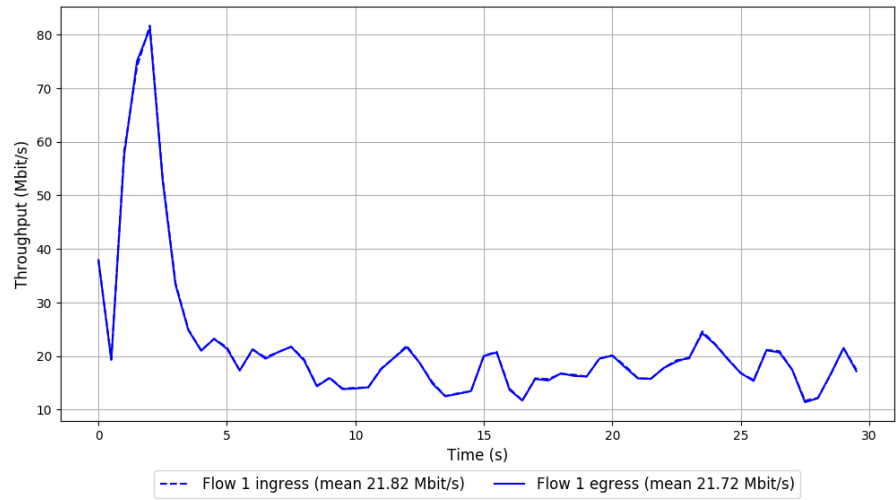


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-16 15:31:42
End at: 2018-01-16 15:32:12
Local clock offset: 1.596 ms
Remote clock offset: -18.873 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: -1.837 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: -1.837 ms
Loss rate: 0.48%

Run 6: Report of QUIC Cubic — Data Link

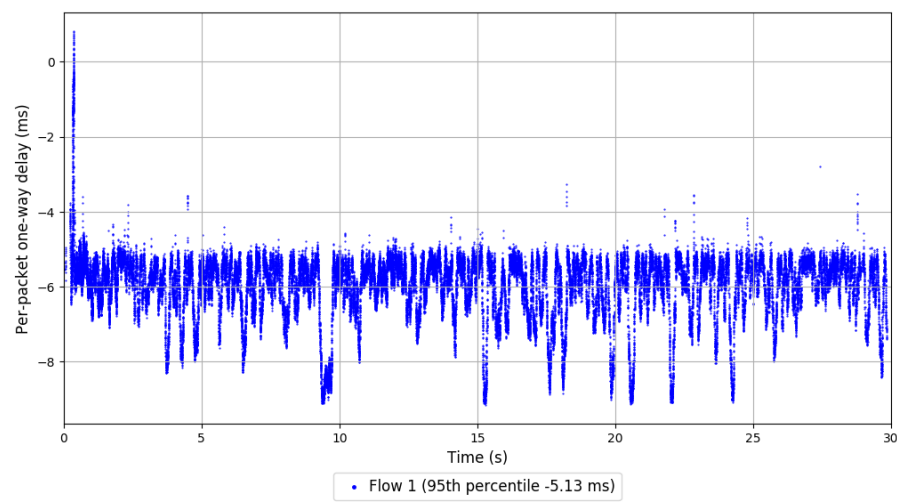
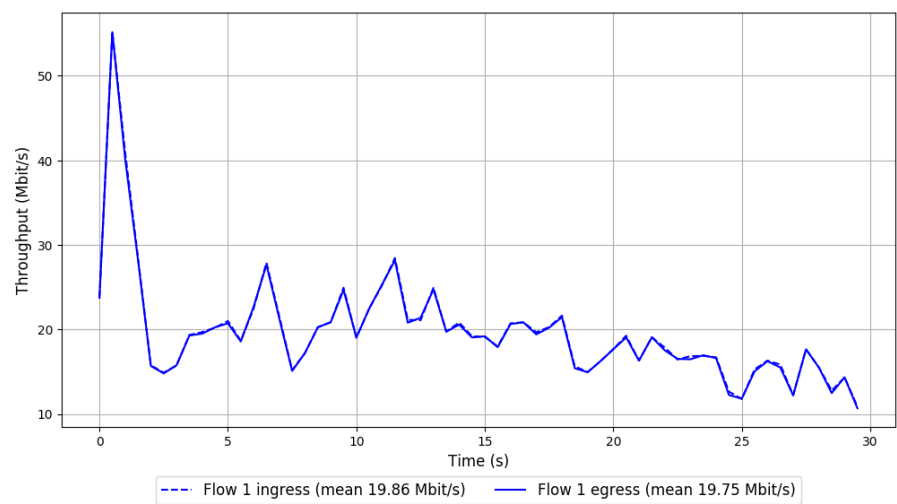


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-16 15:52:44
End at: 2018-01-16 15:53:14
Local clock offset: 2.942 ms
Remote clock offset: -19.365 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.75 Mbit/s
95th percentile per-packet one-way delay: -5.135 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 19.75 Mbit/s
95th percentile per-packet one-way delay: -5.135 ms
Loss rate: 0.55%

Run 7: Report of QUIC Cubic — Data Link

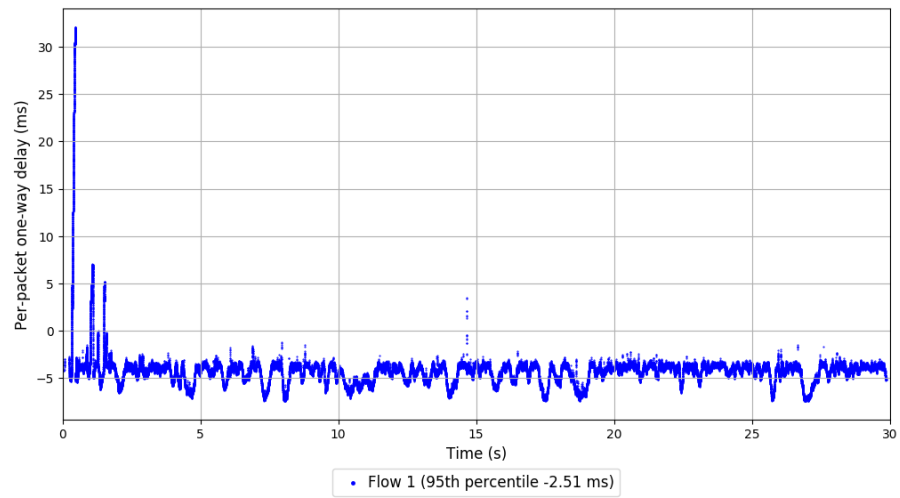
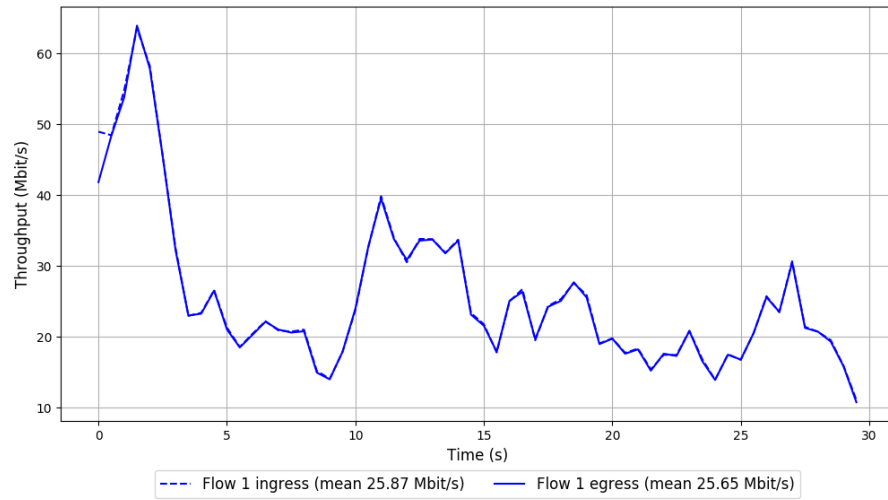


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-16 16:13:39
End at: 2018-01-16 16:14:09
Local clock offset: 0.614 ms
Remote clock offset: -20.459 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.65 Mbit/s
95th percentile per-packet one-way delay: -2.509 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 25.65 Mbit/s
95th percentile per-packet one-way delay: -2.509 ms
Loss rate: 0.84%

Run 8: Report of QUIC Cubic — Data Link

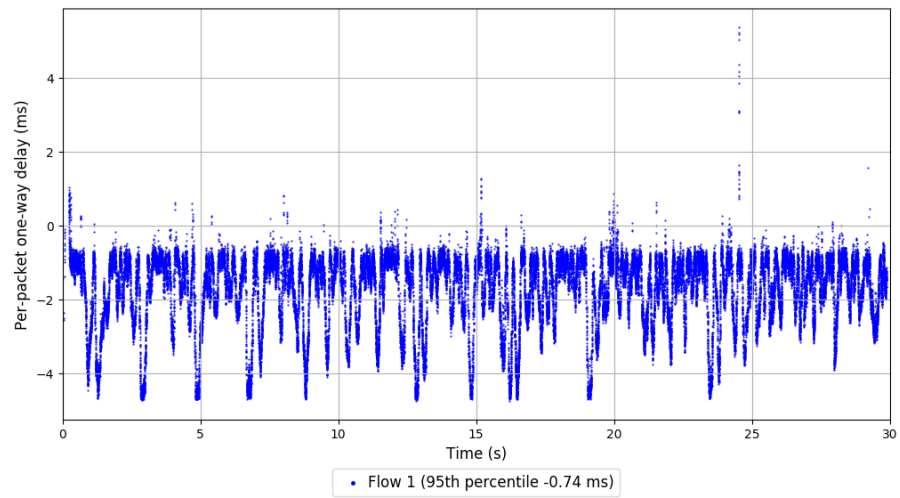
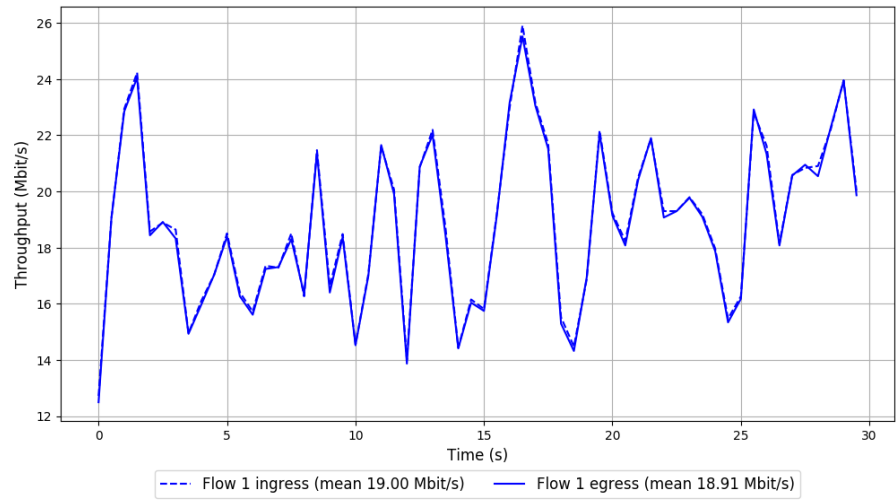


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-16 16:34:27
End at: 2018-01-16 16:34:57
Local clock offset: -1.089 ms
Remote clock offset: -19.86 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.91 Mbit/s
95th percentile per-packet one-way delay: -0.741 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 18.91 Mbit/s
95th percentile per-packet one-way delay: -0.741 ms
Loss rate: 0.50%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-16 16:55:20

End at: 2018-01-16 16:55:50

Local clock offset: -0.915 ms

Remote clock offset: -21.944 ms

Below is generated by plot.py at 2018-01-16 17:45:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.36 Mbit/s

95th percentile per-packet one-way delay: -2.661 ms

Loss rate: 0.81%

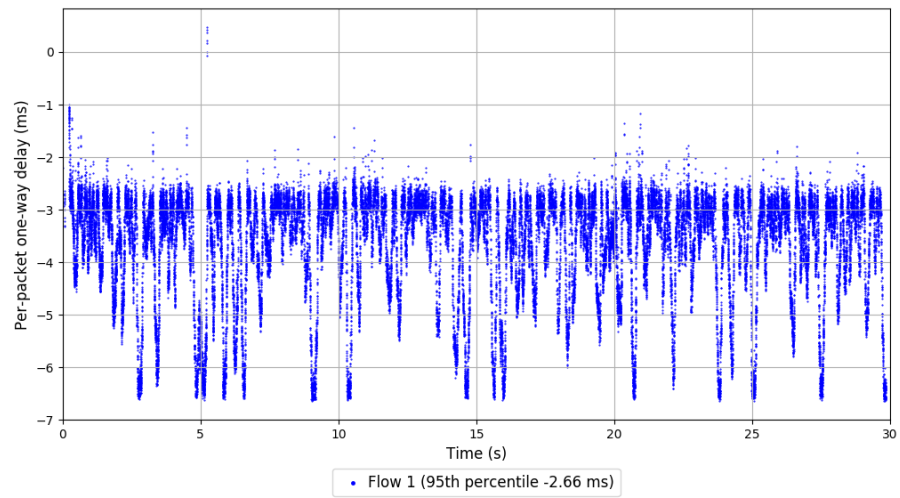
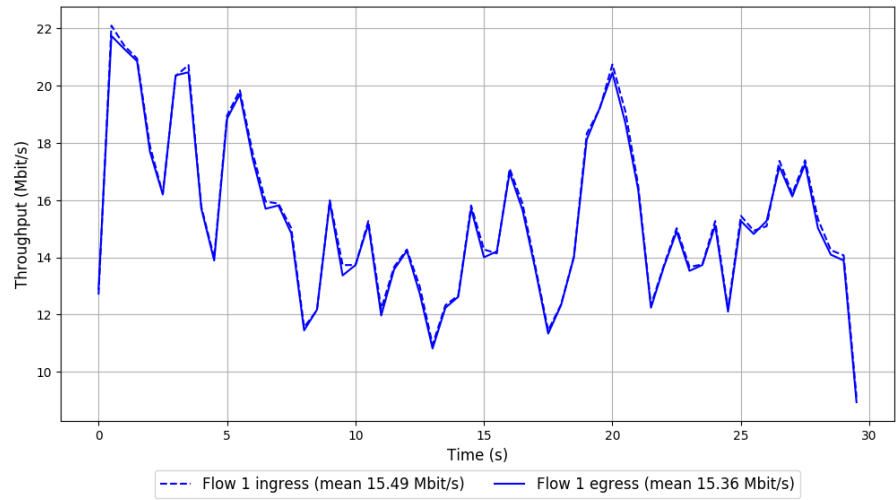
-- Flow 1:

Average throughput: 15.36 Mbit/s

95th percentile per-packet one-way delay: -2.661 ms

Loss rate: 0.81%

Run 10: Report of QUIC Cubic — Data Link

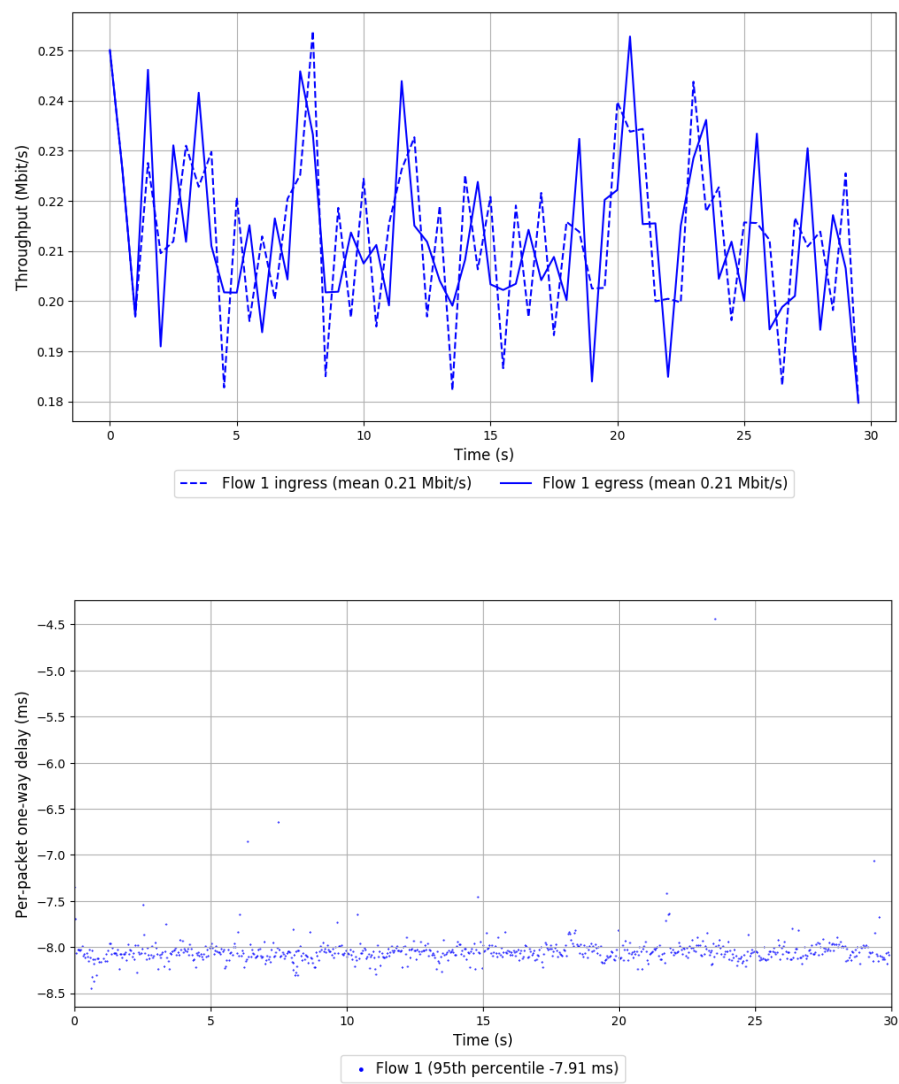


```
Run 1: Statistics of SCReAM

Start at: 2018-01-16 13:53:52
End at: 2018-01-16 13:54:22
Local clock offset: 3.486 ms
Remote clock offset: -15.687 ms

# Below is generated by plot.py at 2018-01-16 17:45:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.909 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

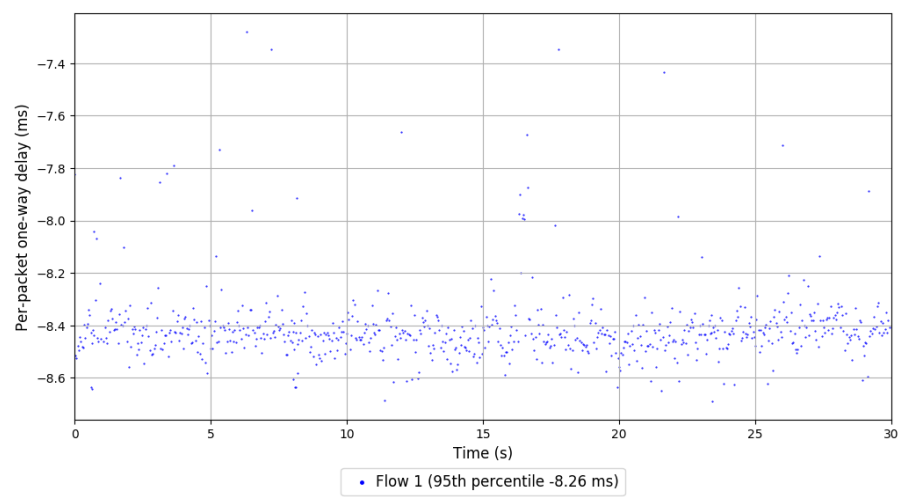
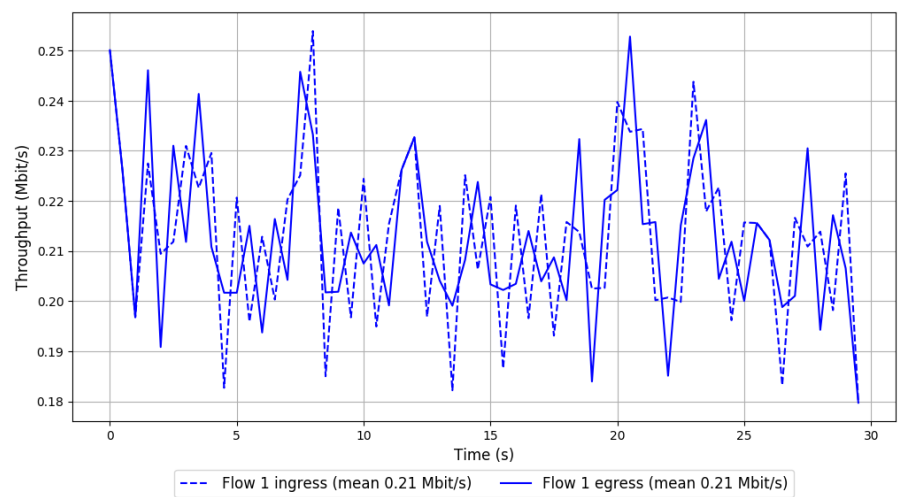


Run 2: Statistics of SCReAM

Start at: 2018-01-16 14:15:18
End at: 2018-01-16 14:15:48
Local clock offset: 3.653 ms
Remote clock offset: -17.514 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.256 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

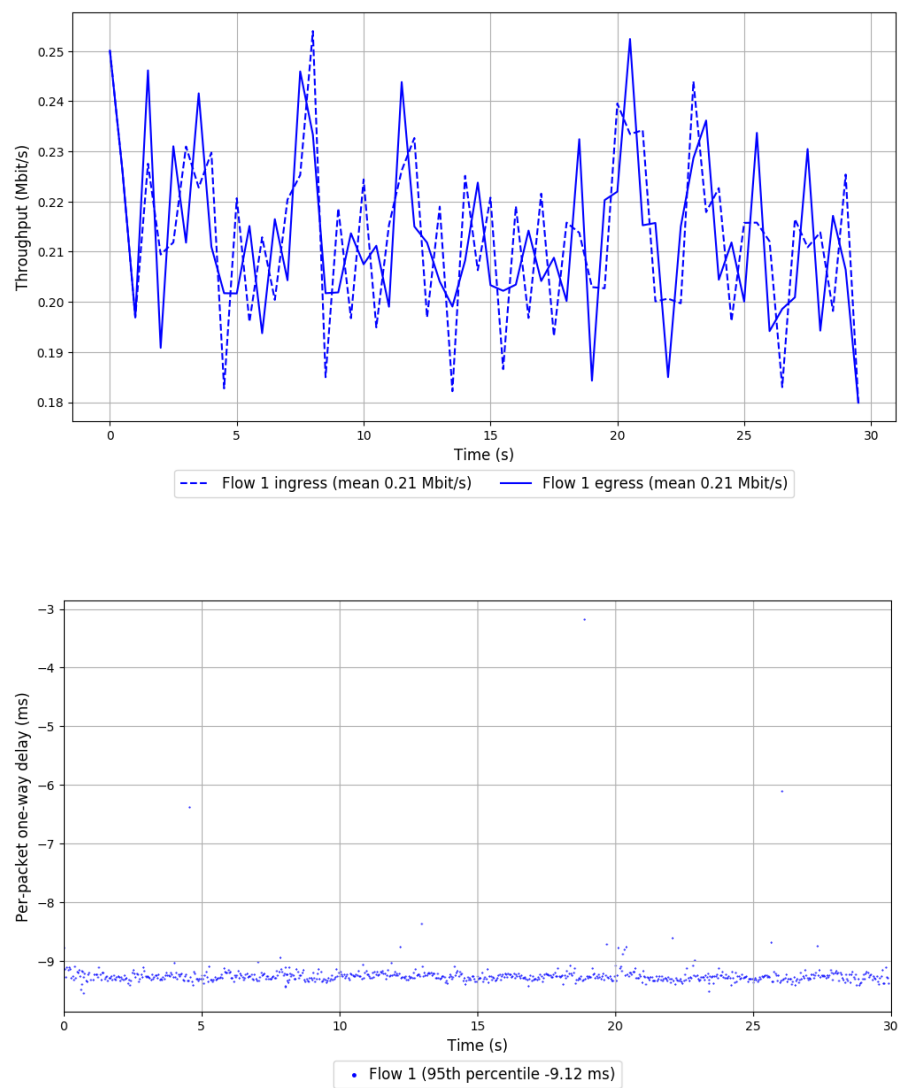


Run 3: Statistics of SCReAM

Start at: 2018-01-16 14:36:22
End at: 2018-01-16 14:36:52
Local clock offset: 4.484 ms
Remote clock offset: -17.156 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.122 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

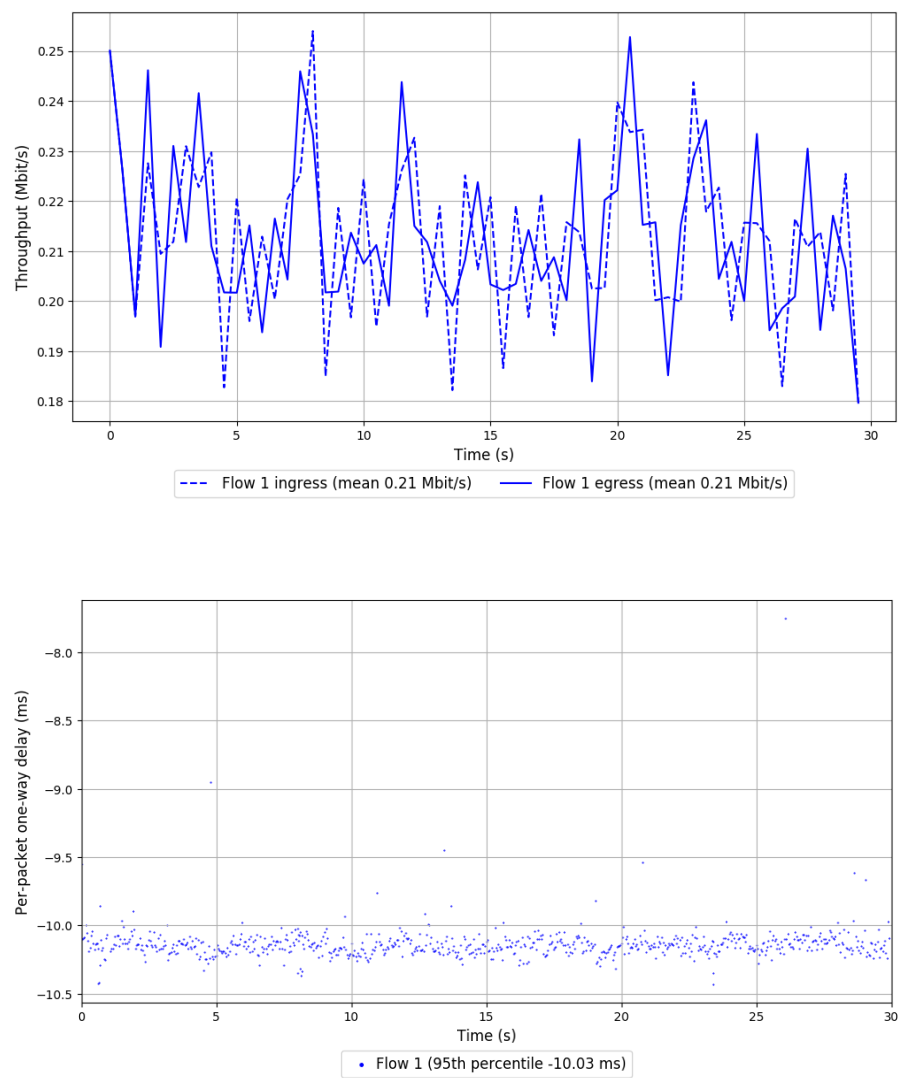


Run 4: Statistics of SCReAM

Start at: 2018-01-16 14:57:31
End at: 2018-01-16 14:58:01
Local clock offset: 3.795 ms
Remote clock offset: -18.197 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.028 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

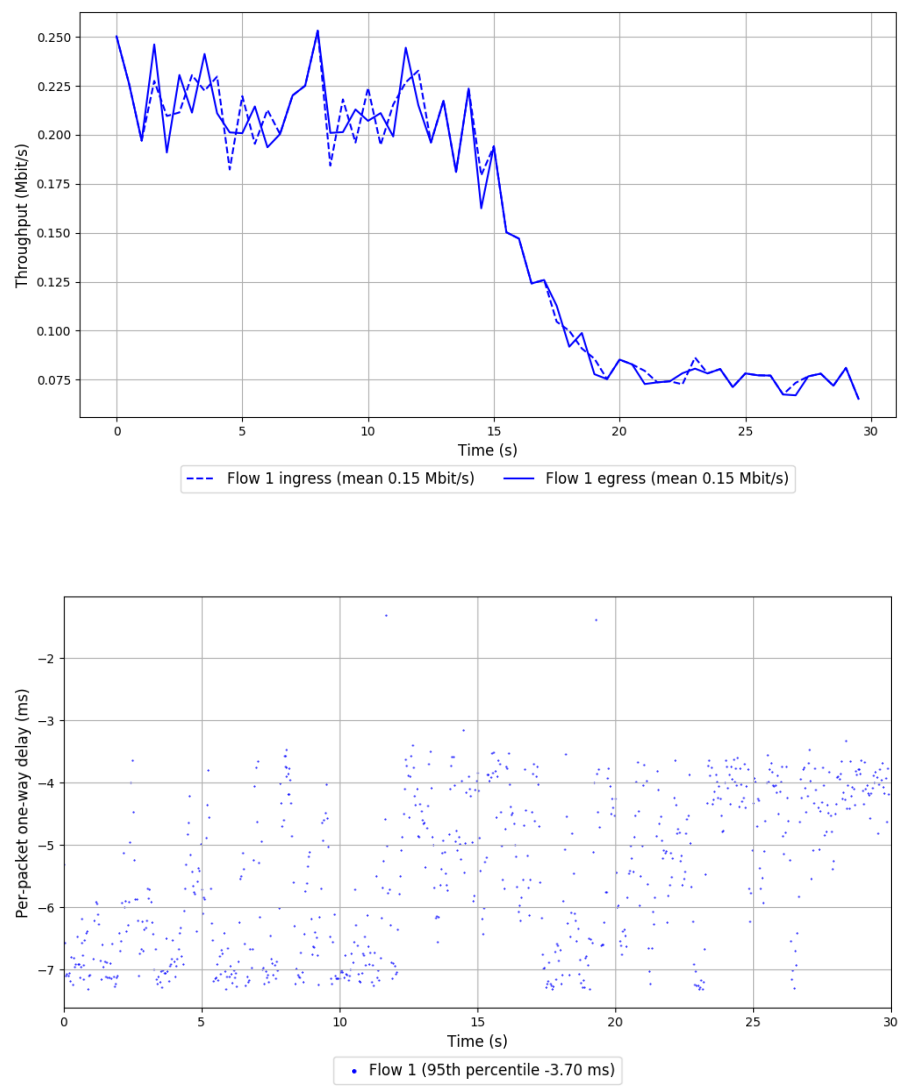


Run 5: Statistics of SCReAM

Start at: 2018-01-16 15:18:41
End at: 2018-01-16 15:19:11
Local clock offset: 1.005 ms
Remote clock offset: -18.55 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: -3.698 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: -3.698 ms
Loss rate: 0.33%

Run 5: Report of SReAM — Data Link

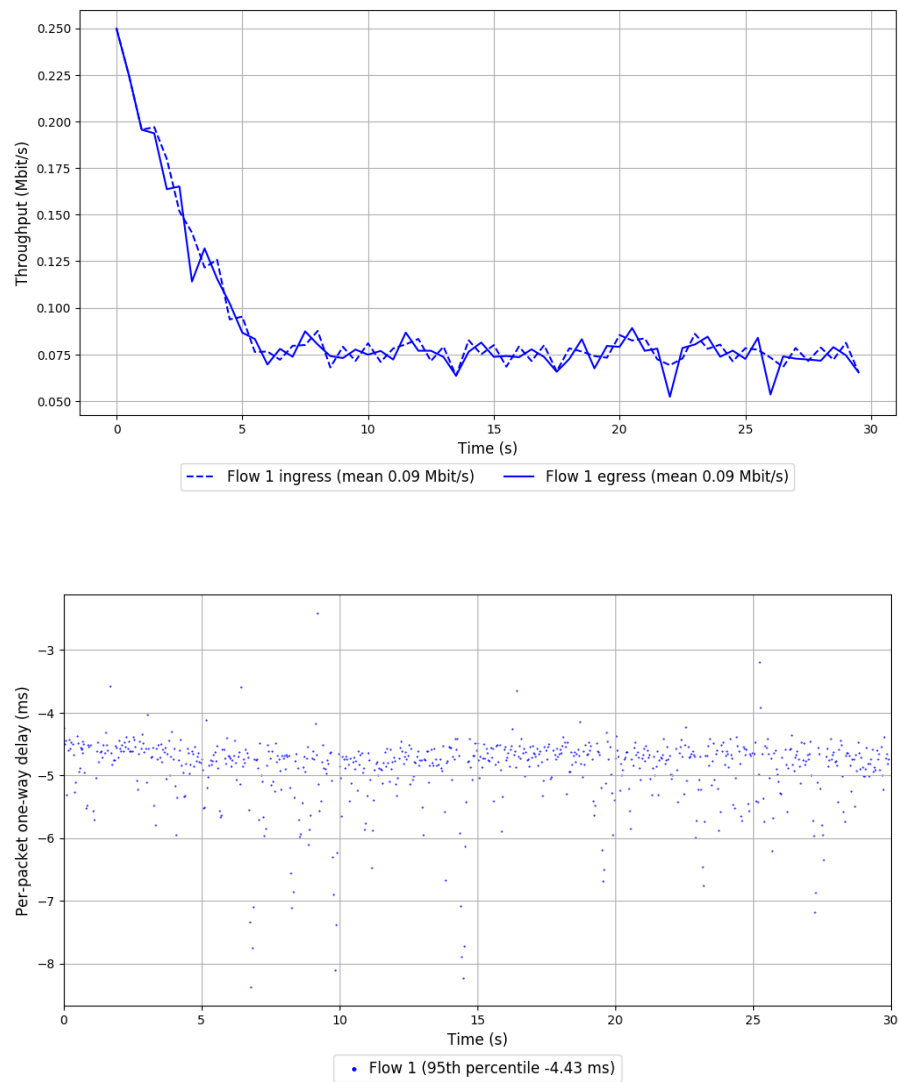


Run 6: Statistics of SCReAM

Start at: 2018-01-16 15:39:44
End at: 2018-01-16 15:40:14
Local clock offset: 2.362 ms
Remote clock offset: -18.764 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: -4.435 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: -4.435 ms
Loss rate: 1.37%

Run 6: Report of SReAM — Data Link

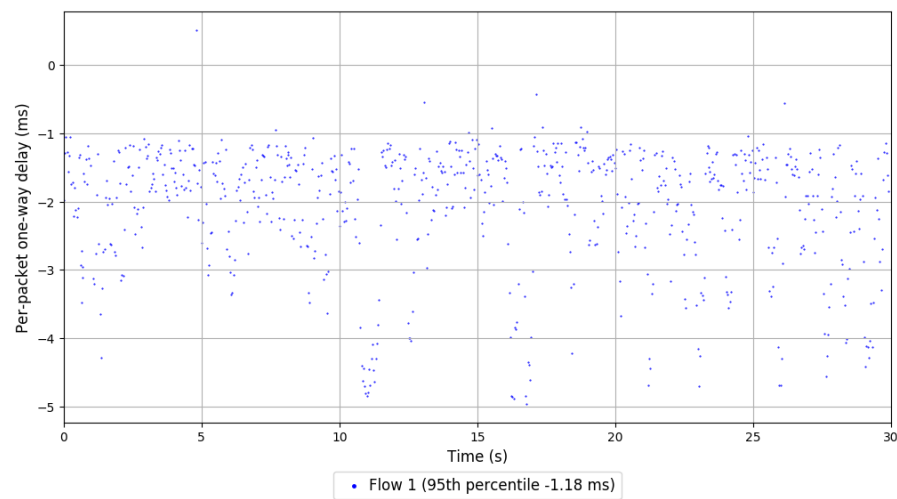
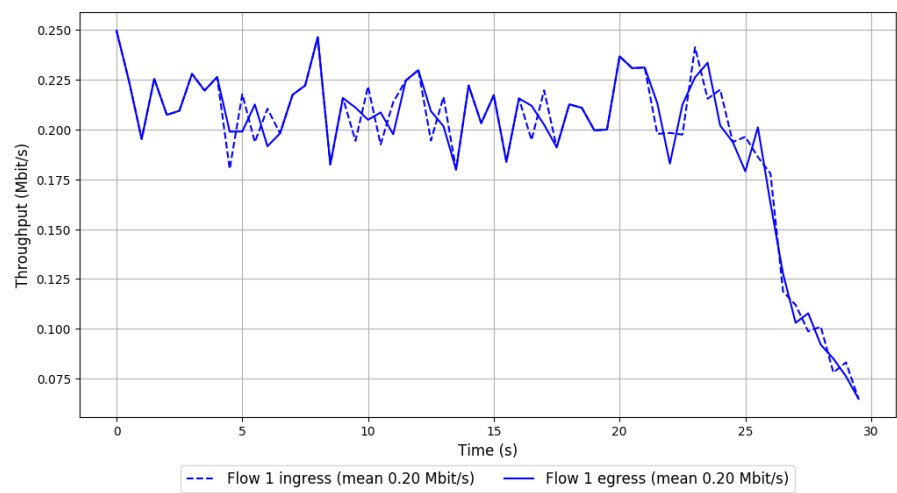


Run 7: Statistics of SCReAM

Start at: 2018-01-16 16:00:40
End at: 2018-01-16 16:01:10
Local clock offset: -0.333 ms
Remote clock offset: -18.857 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -1.175 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -1.175 ms
Loss rate: 0.15%

Run 7: Report of SReAM — Data Link

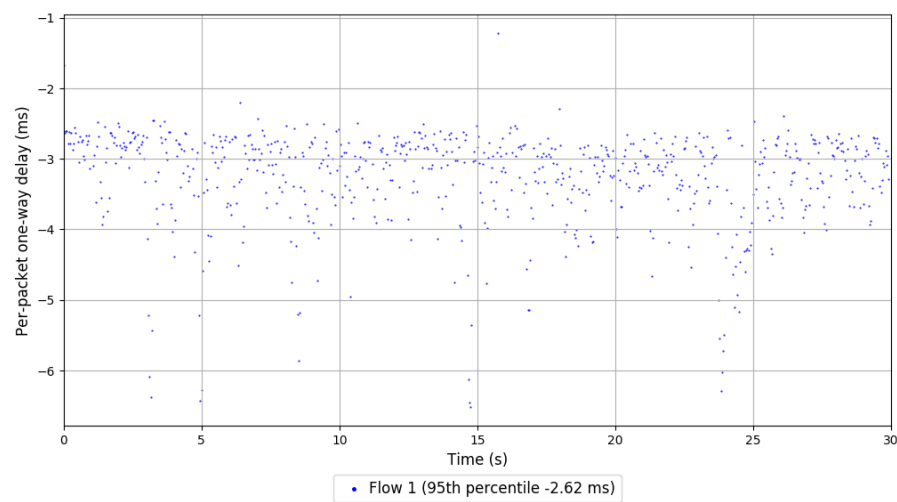
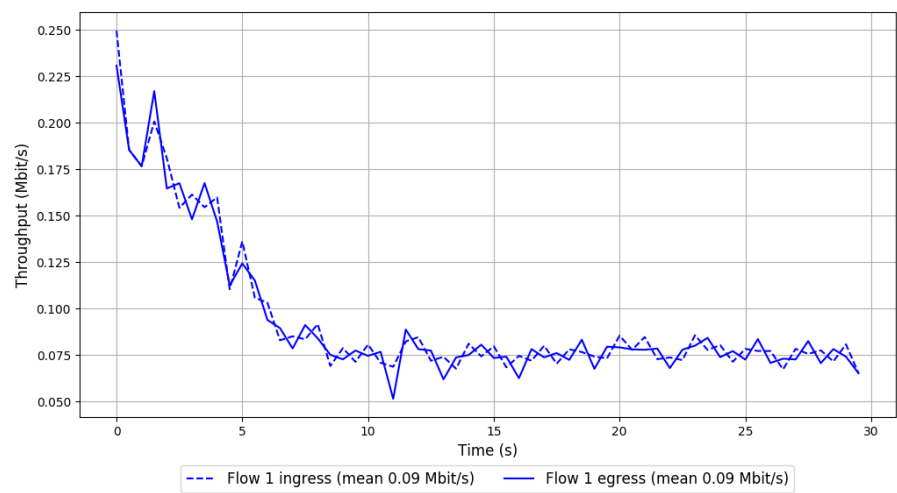


Run 8: Statistics of SCReAM

Start at: 2018-01-16 16:21:36
End at: 2018-01-16 16:22:06
Local clock offset: -0.27 ms
Remote clock offset: -20.725 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: -2.619 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: -2.619 ms
Loss rate: 1.05%

Run 8: Report of SReAM — Data Link

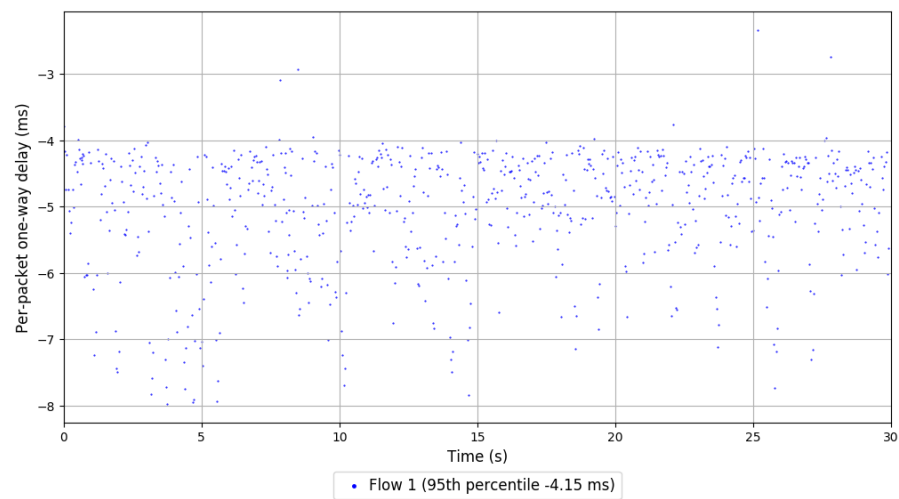
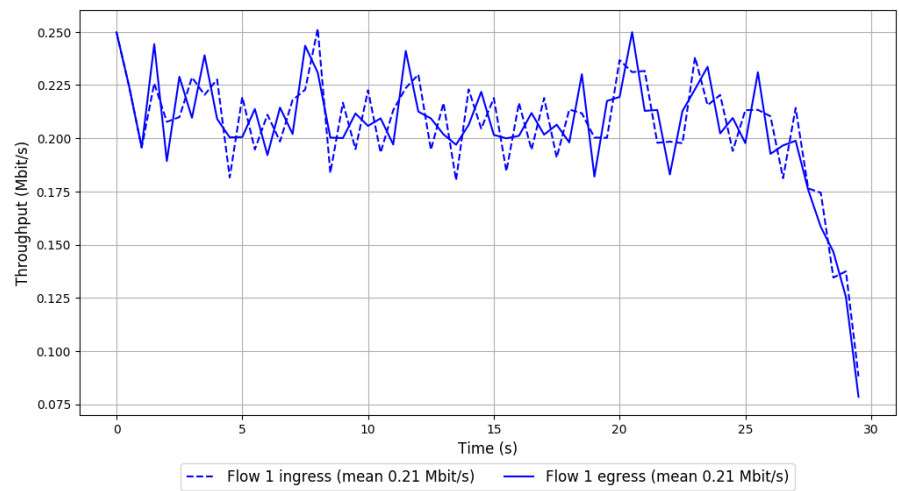


Run 9: Statistics of SCReAM

Start at: 2018-01-16 16:42:28
End at: 2018-01-16 16:42:58
Local clock offset: 0.045 ms
Remote clock offset: -22.209 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.146 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.146 ms
Loss rate: 0.21%

Run 9: Report of SReAM — Data Link

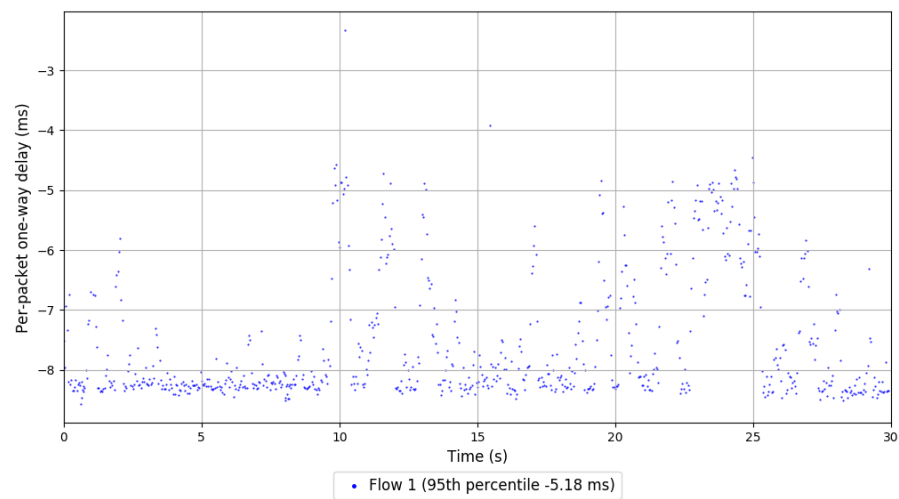
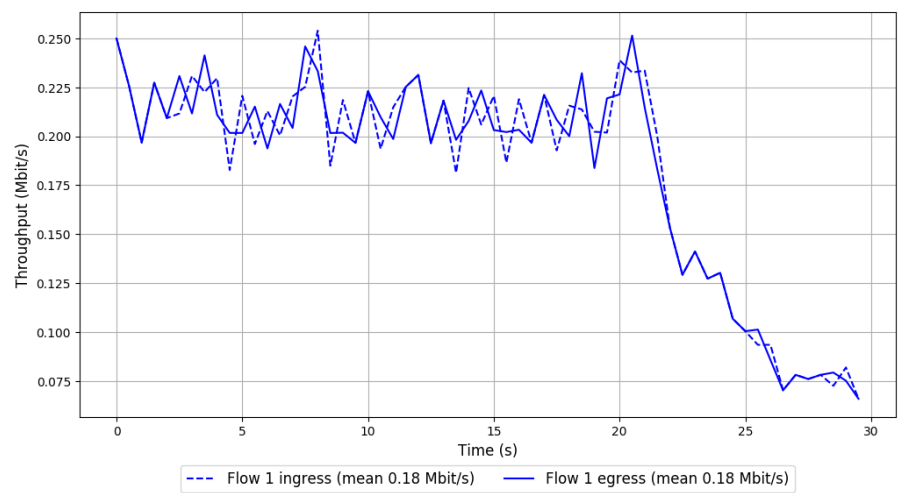


Run 10: Statistics of SReAM

Start at: 2018-01-16 17:03:32
End at: 2018-01-16 17:04:02
Local clock offset: -0.011 ms
Remote clock offset: -22.863 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: -5.181 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: -5.181 ms
Loss rate: 0.15%

Run 10: Report of SReAM — Data Link

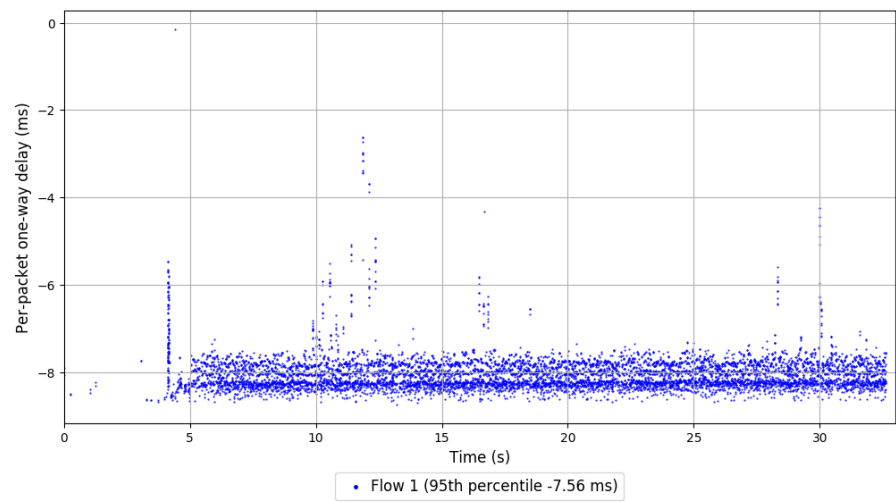
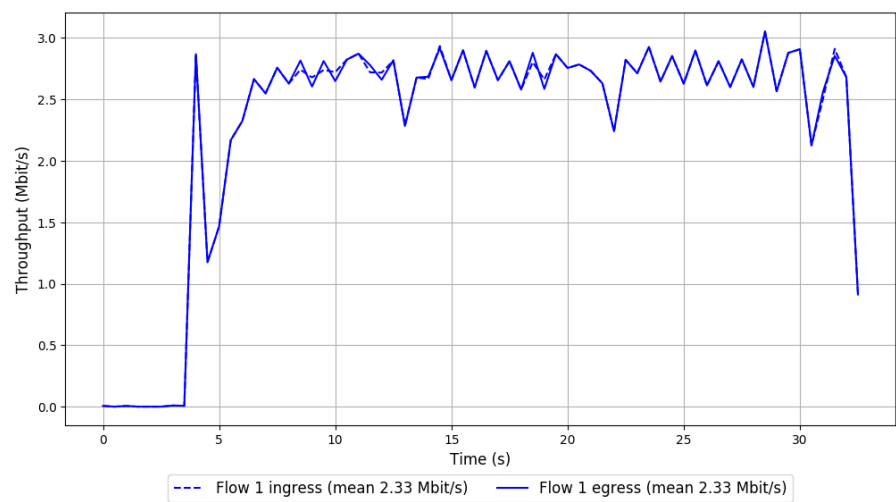


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-16 13:51:35
End at: 2018-01-16 13:52:05
Local clock offset: 1.883 ms
Remote clock offset: -17.417 ms

# Below is generated by plot.py at 2018-01-16 17:45:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.556 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

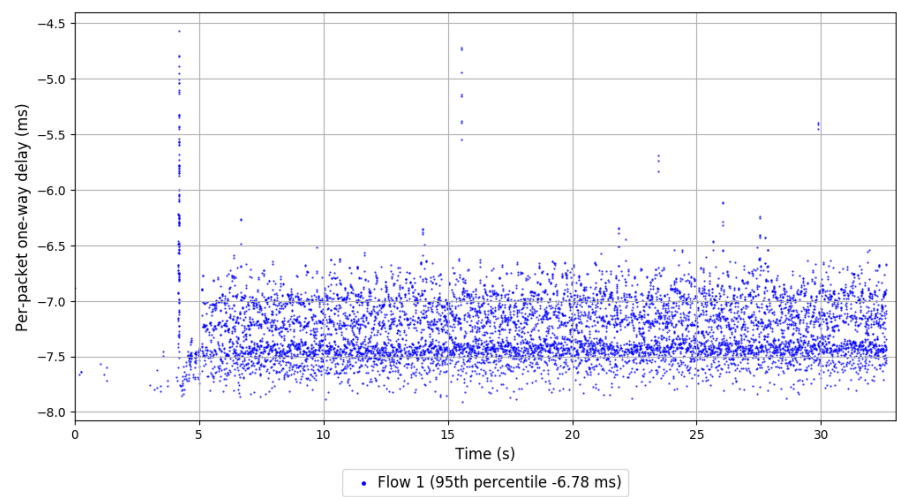
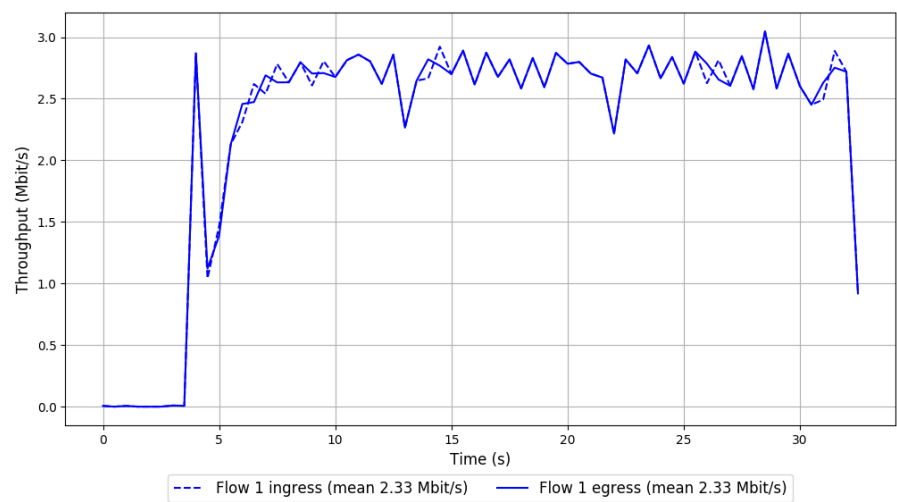


Run 2: Statistics of WebRTC media

Start at: 2018-01-16 14:12:58
End at: 2018-01-16 14:13:28
Local clock offset: 2.44 ms
Remote clock offset: -17.59 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -6.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -6.781 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

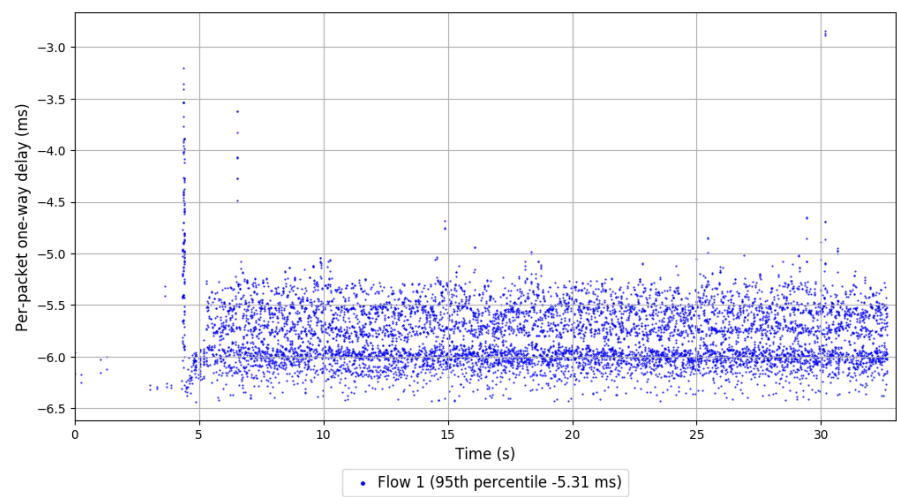
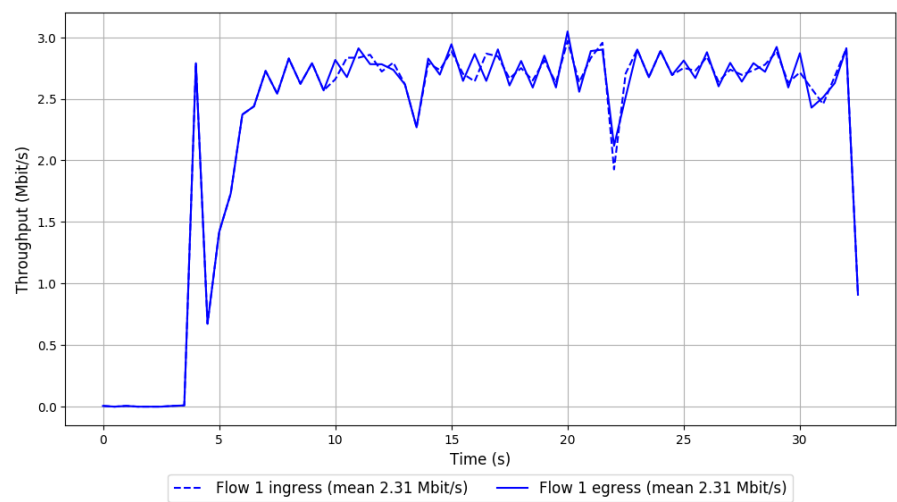


Run 3: Statistics of WebRTC media

Start at: 2018-01-16 14:34:01
End at: 2018-01-16 14:34:31
Local clock offset: 0.935 ms
Remote clock offset: -17.542 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -5.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -5.313 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

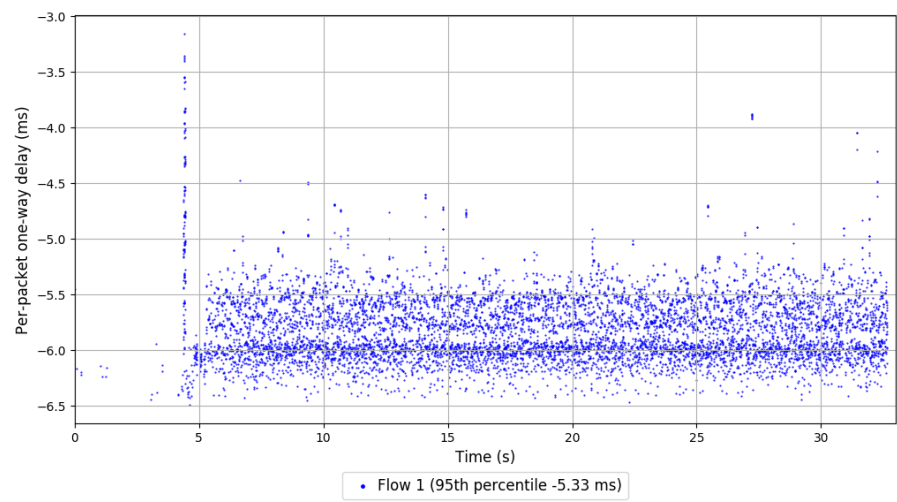
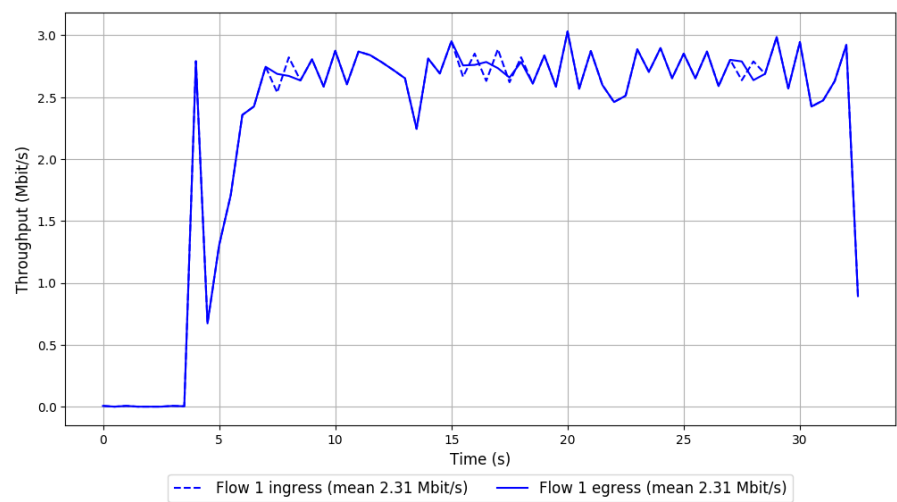


Run 4: Statistics of WebRTC media

Start at: 2018-01-16 14:55:14
End at: 2018-01-16 14:55:44
Local clock offset: 0.956 ms
Remote clock offset: -16.893 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -5.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -5.328 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

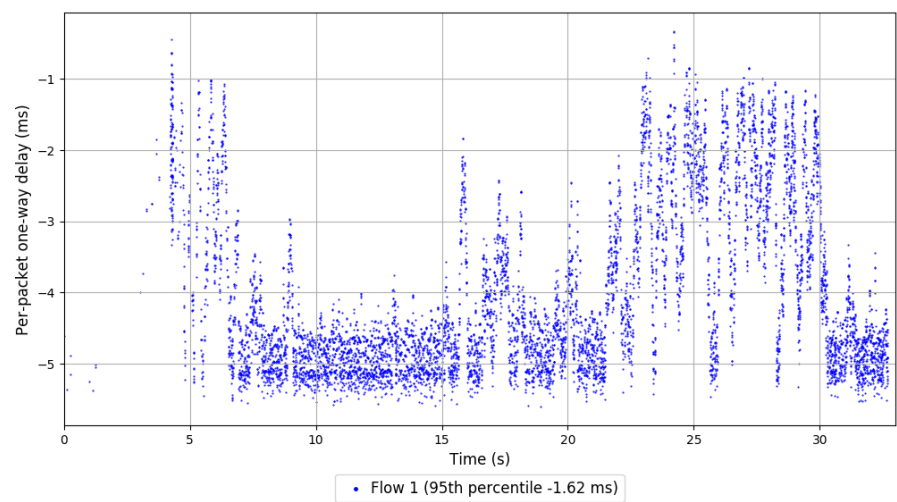
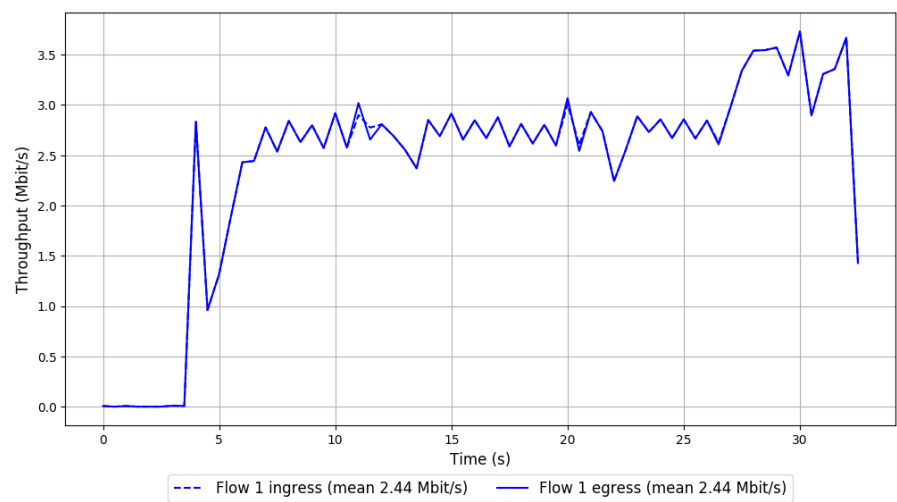


Run 5: Statistics of WebRTC media

Start at: 2018-01-16 15:16:24
End at: 2018-01-16 15:16:54
Local clock offset: 1.691 ms
Remote clock offset: -15.892 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: -1.623 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: -1.623 ms
Loss rate: 0.01%

Run 5: Report of WebRTC media — Data Link

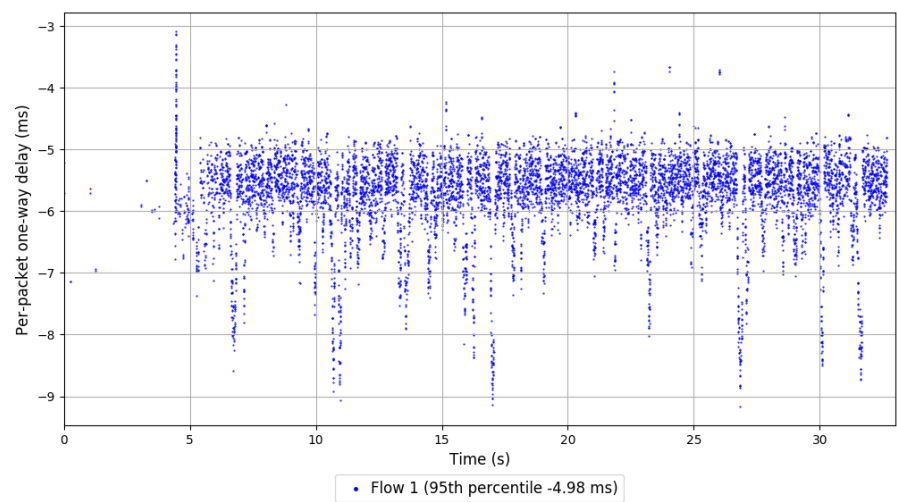
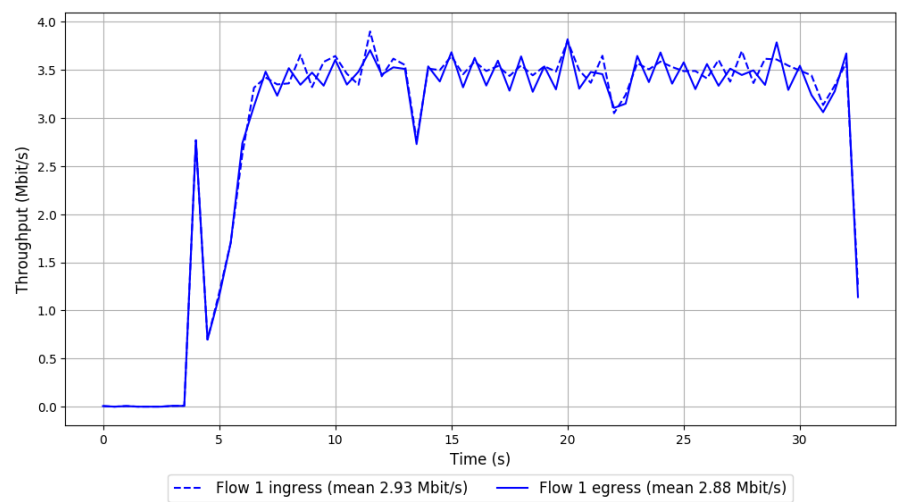


Run 6: Statistics of WebRTC media

Start at: 2018-01-16 15:37:31
End at: 2018-01-16 15:38:01
Local clock offset: 2.583 ms
Remote clock offset: -19.585 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: -4.981 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: -4.981 ms
Loss rate: 1.42%

Run 6: Report of WebRTC media — Data Link

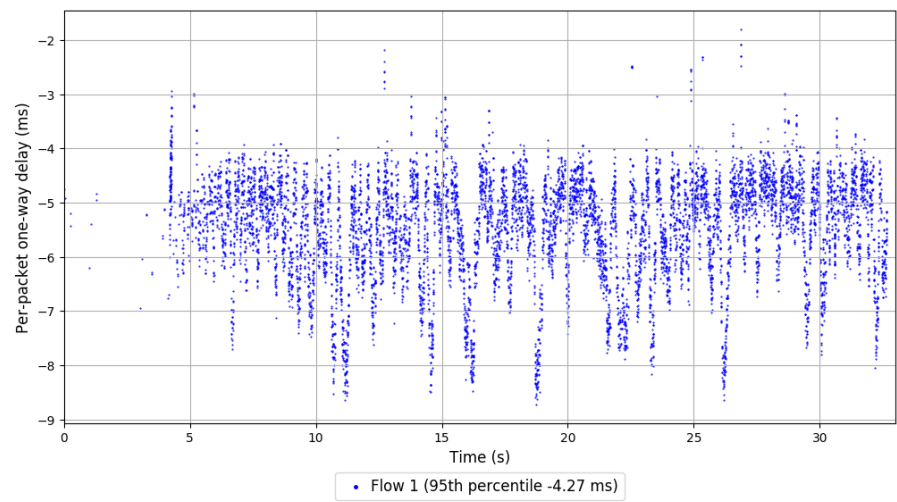
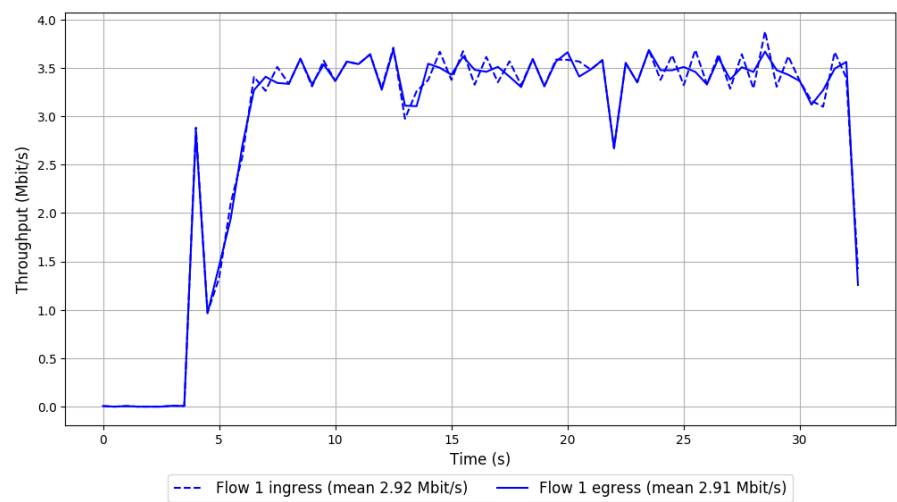


Run 7: Statistics of WebRTC media

Start at: 2018-01-16 15:58:24
End at: 2018-01-16 15:58:54
Local clock offset: 1.036 ms
Remote clock offset: -21.02 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: -4.269 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: -4.269 ms
Loss rate: 0.31%

Run 7: Report of WebRTC media — Data Link

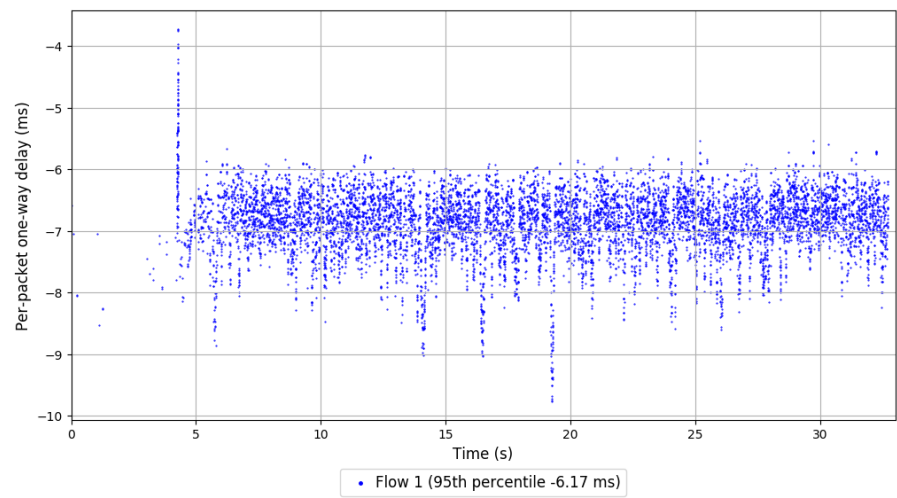
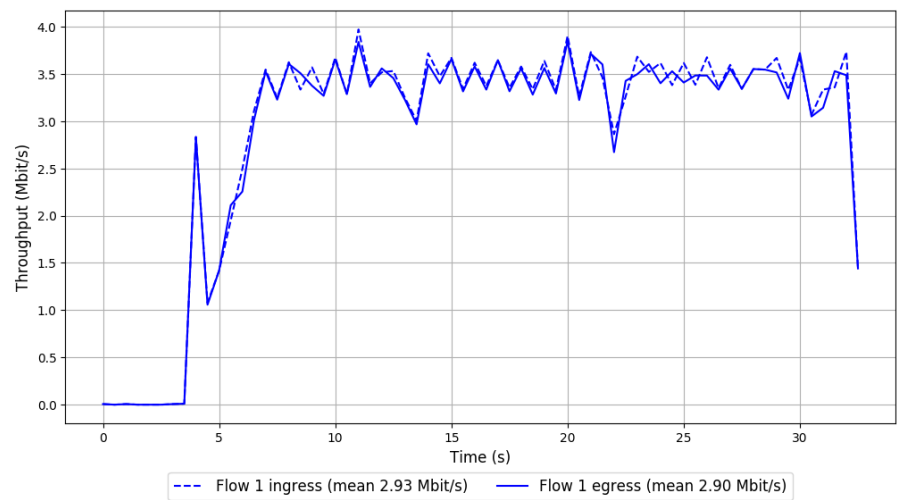


Run 8: Statistics of WebRTC media

Start at: 2018-01-16 16:19:23
End at: 2018-01-16 16:19:53
Local clock offset: 2.912 ms
Remote clock offset: -21.662 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: -6.166 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: -6.166 ms
Loss rate: 1.11%

Run 8: Report of WebRTC media — Data Link

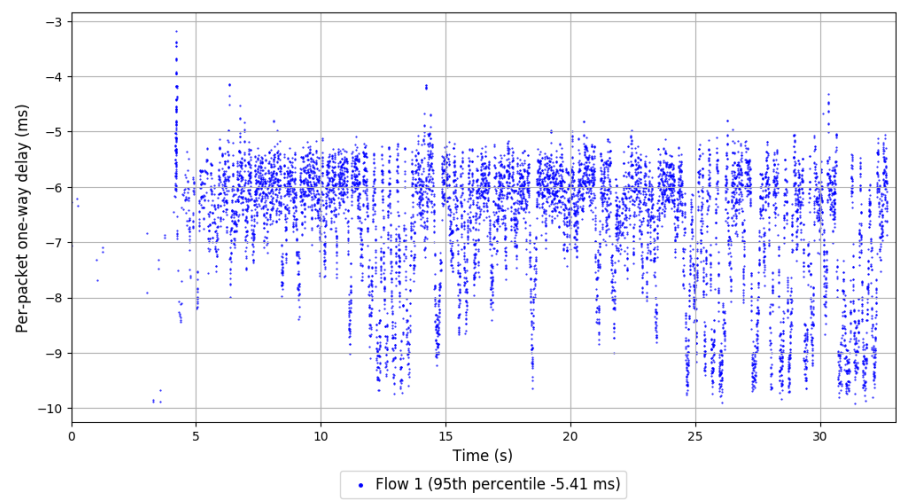
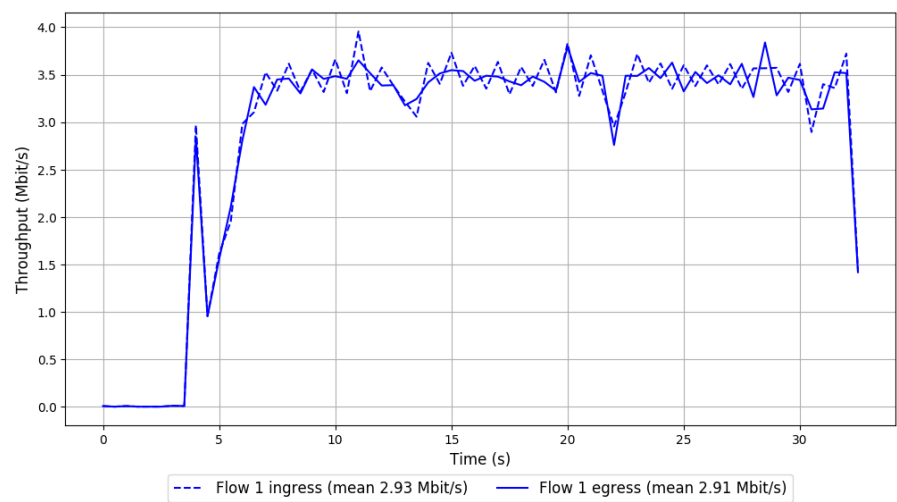


Run 9: Statistics of WebRTC media

Start at: 2018-01-16 16:40:15
End at: 2018-01-16 16:40:45
Local clock offset: 1.224 ms
Remote clock offset: -22.681 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: -5.405 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: -5.405 ms
Loss rate: 0.69%

Run 9: Report of WebRTC media — Data Link

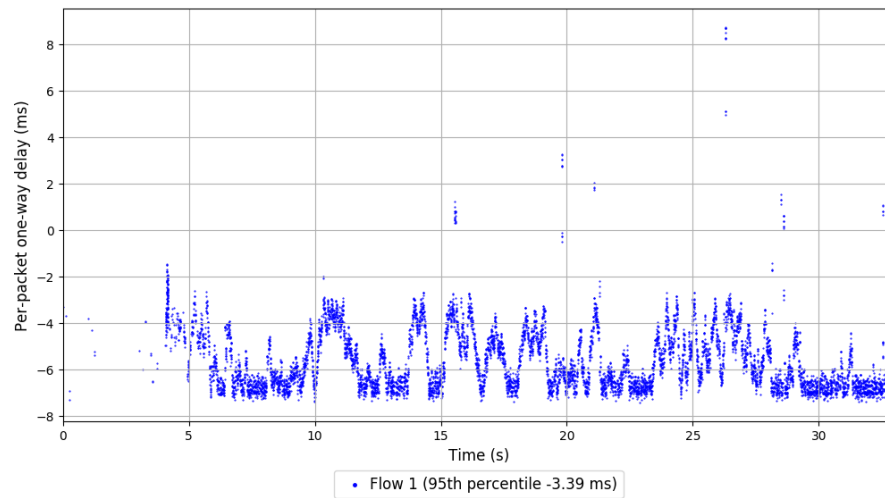
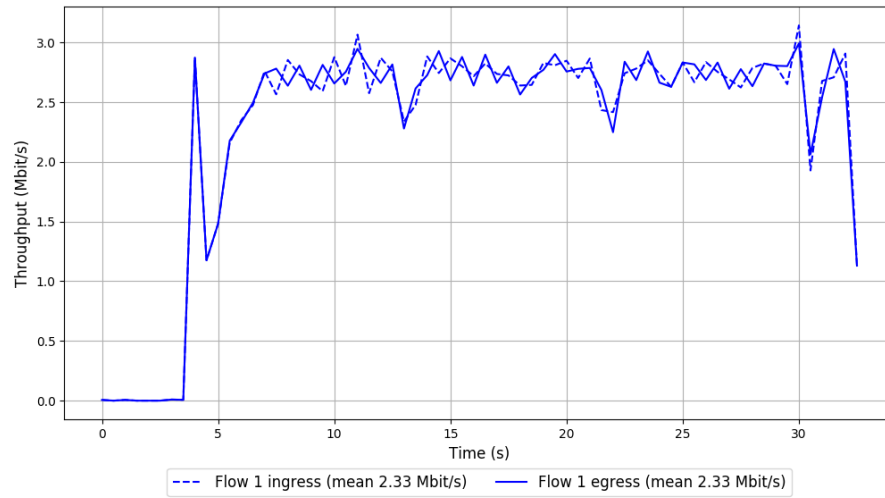


Run 10: Statistics of WebRTC media

Start at: 2018-01-16 17:01:01
End at: 2018-01-16 17:01:31
Local clock offset: 0.321 ms
Remote clock offset: -21.291 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -3.392 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -3.392 ms
Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

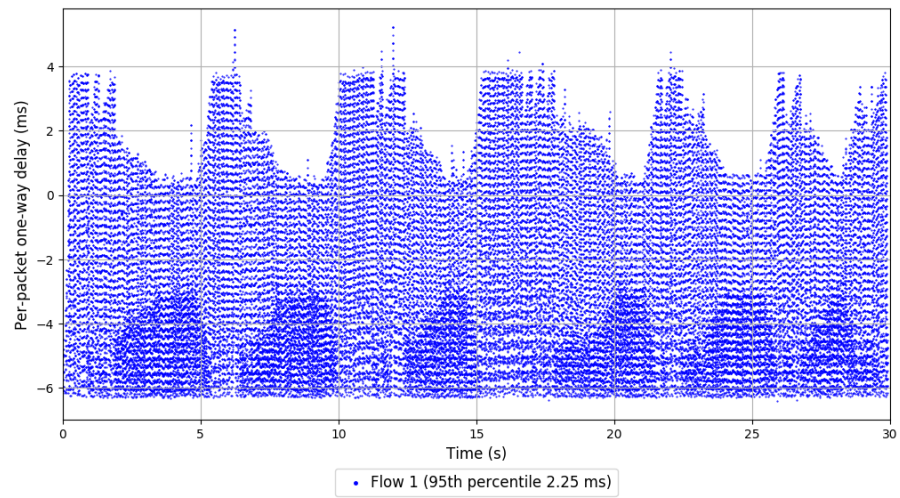
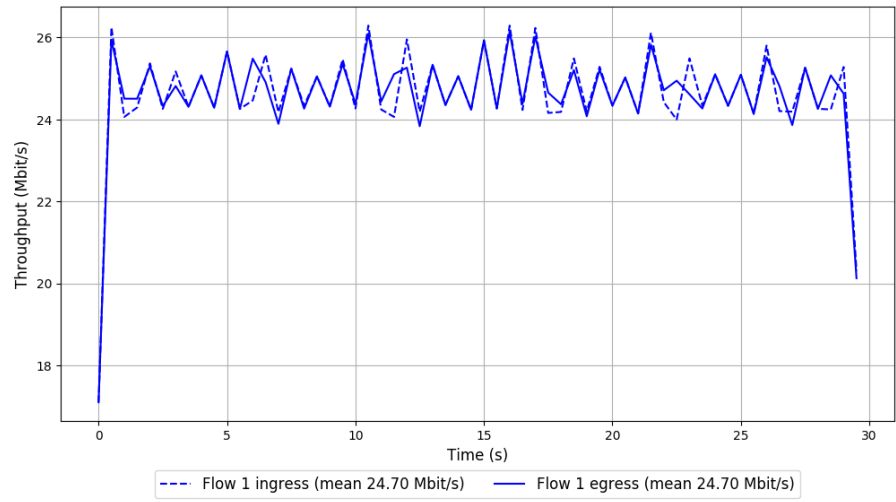


Run 1: Statistics of Sprout

Start at: 2018-01-16 13:55:02
End at: 2018-01-16 13:55:32
Local clock offset: 1.837 ms
Remote clock offset: -15.564 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

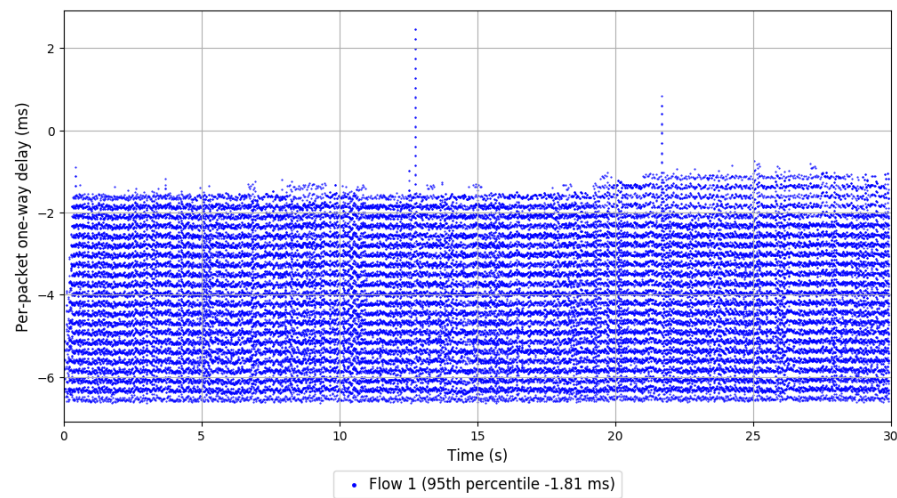
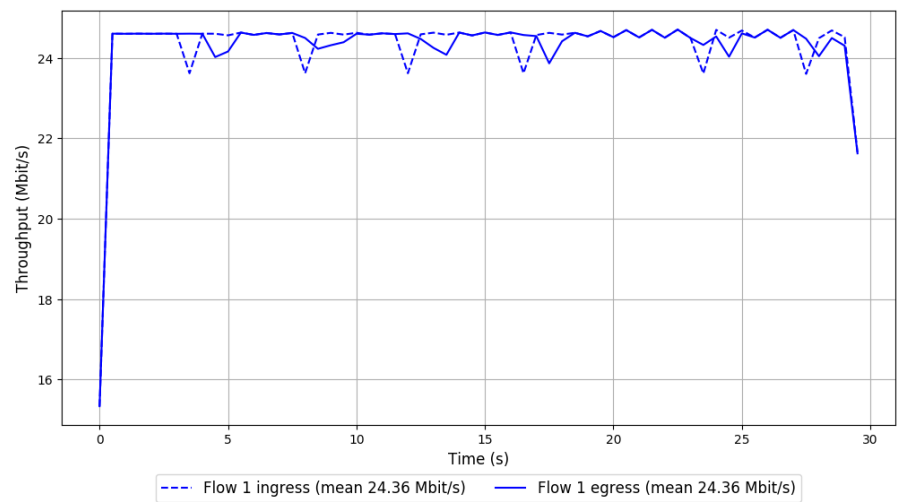


Run 2: Statistics of Sprout

Start at: 2018-01-16 14:16:23
End at: 2018-01-16 14:16:53
Local clock offset: 1.849 ms
Remote clock offset: -17.452 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: -1.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: -1.806 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

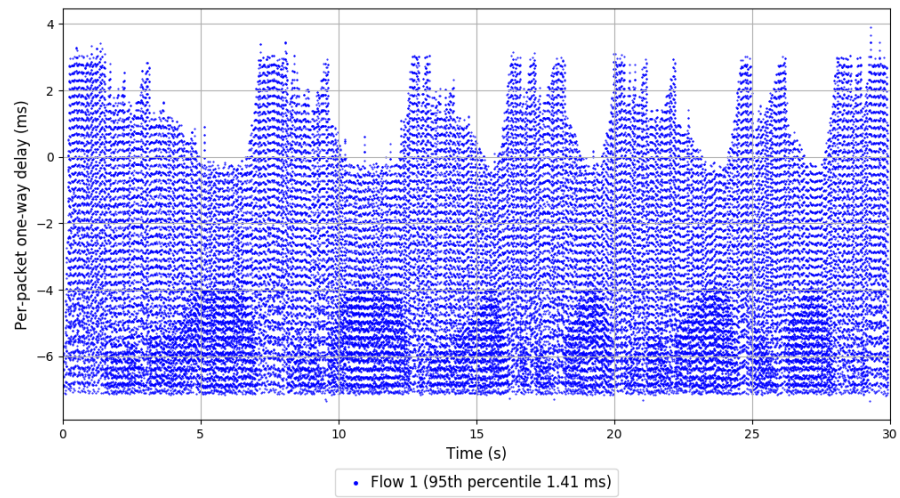
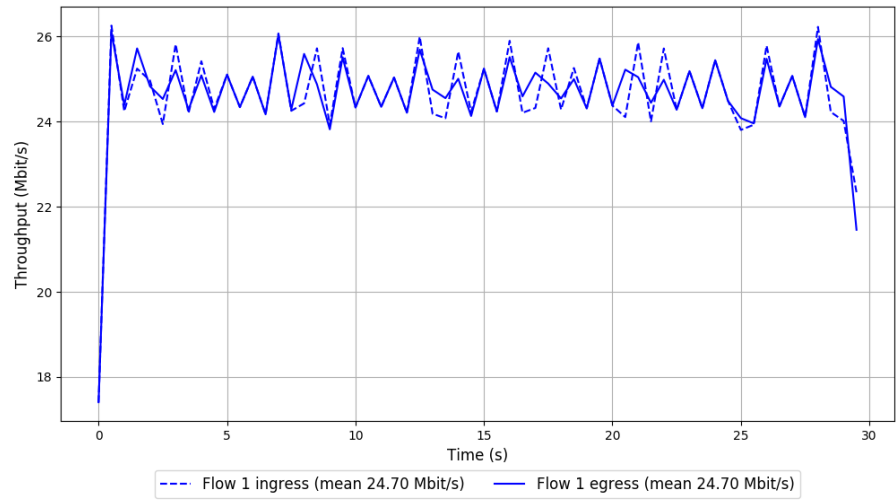


Run 3: Statistics of Sprout

Start at: 2018-01-16 14:37:26
End at: 2018-01-16 14:37:56
Local clock offset: 2.154 ms
Remote clock offset: -17.219 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 1.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 1.405 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

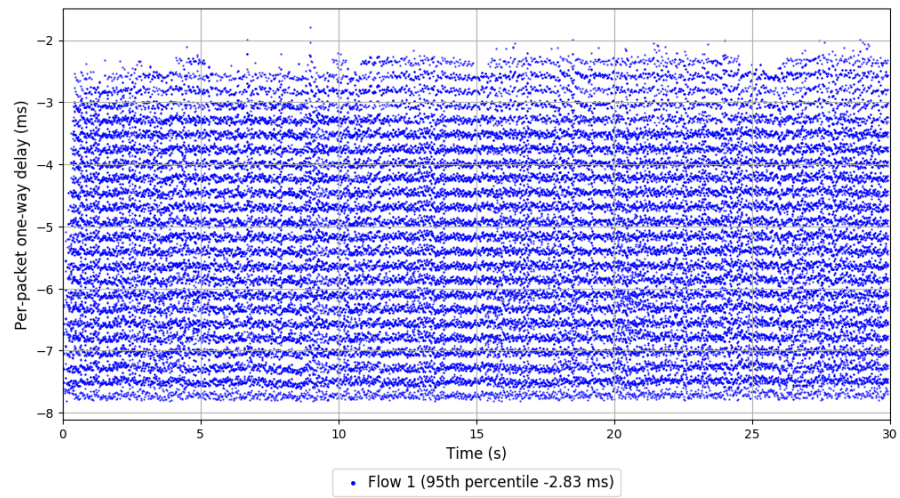
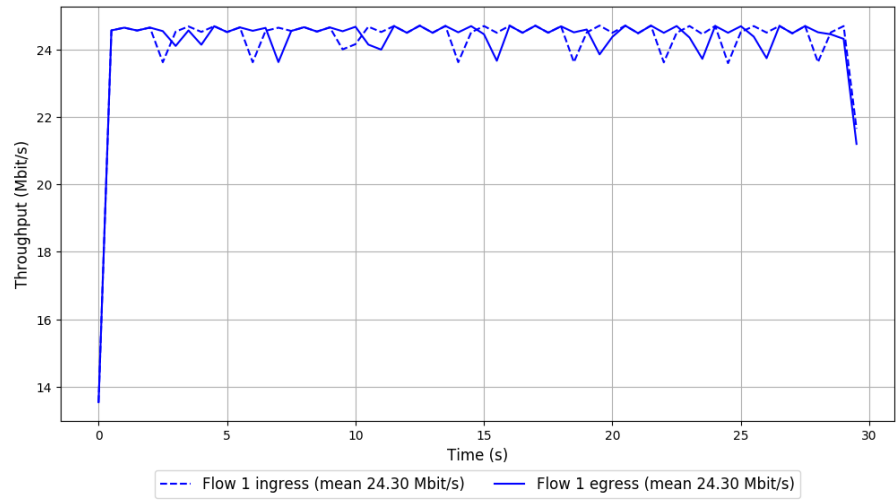


Run 4: Statistics of Sprout

Start at: 2018-01-16 14:58:36
End at: 2018-01-16 14:59:06
Local clock offset: 1.627 ms
Remote clock offset: -17.876 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: -2.828 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: -2.828 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

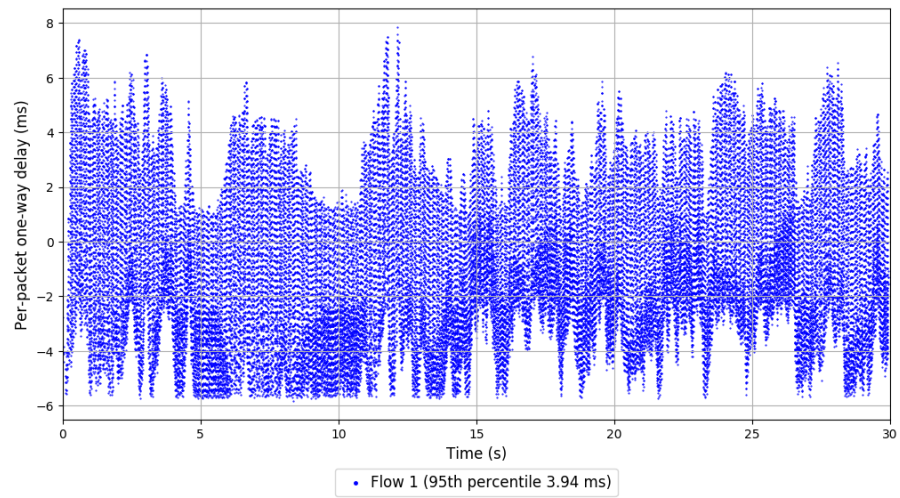
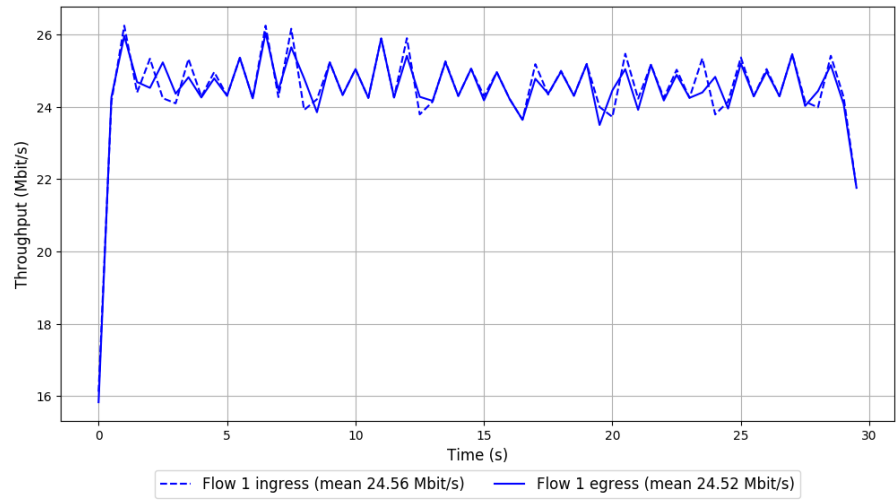


Run 5: Statistics of Sprout

Start at: 2018-01-16 15:19:46
End at: 2018-01-16 15:20:16
Local clock offset: -0.421 ms
Remote clock offset: -18.44 ms

Below is generated by plot.py at 2018-01-16 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 3.945 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 3.945 ms
Loss rate: 0.14%

Run 5: Report of Sprout — Data Link

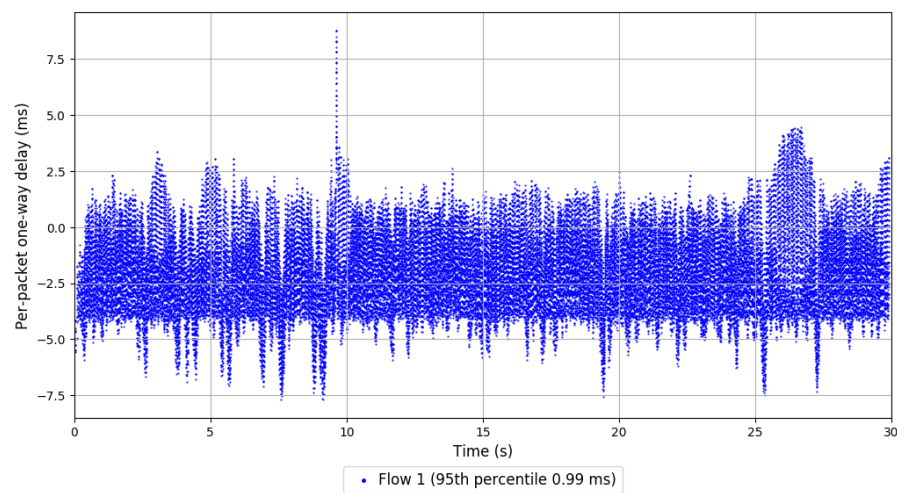
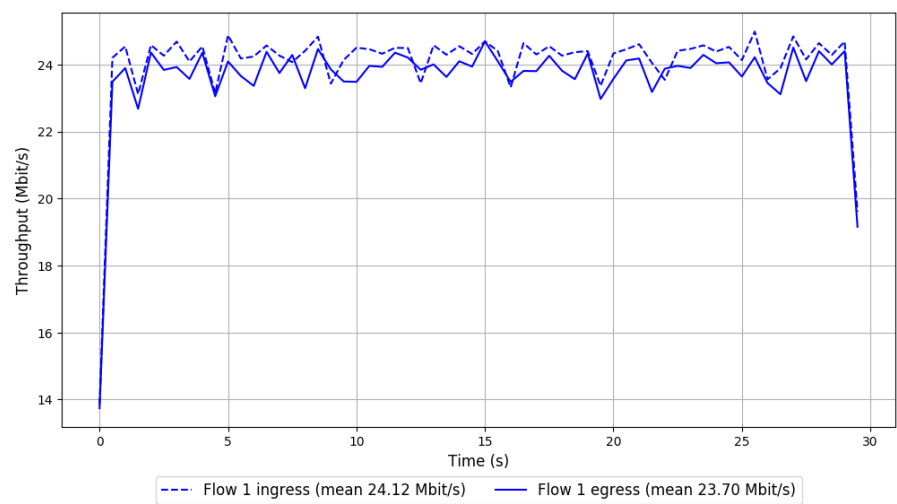


Run 6: Statistics of Sprout

Start at: 2018-01-16 15:40:49
End at: 2018-01-16 15:41:19
Local clock offset: 2.703 ms
Remote clock offset: -17.905 ms

Below is generated by plot.py at 2018-01-16 17:45:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 1.70%

Run 6: Report of Sprout — Data Link

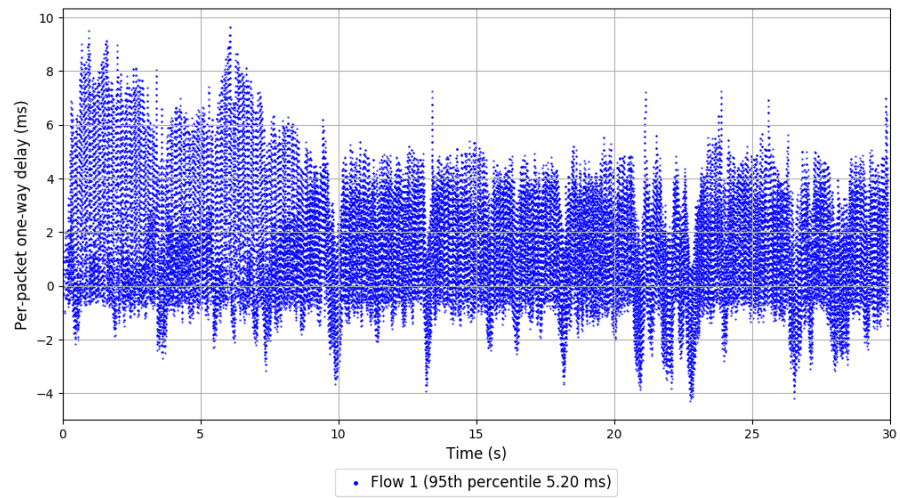
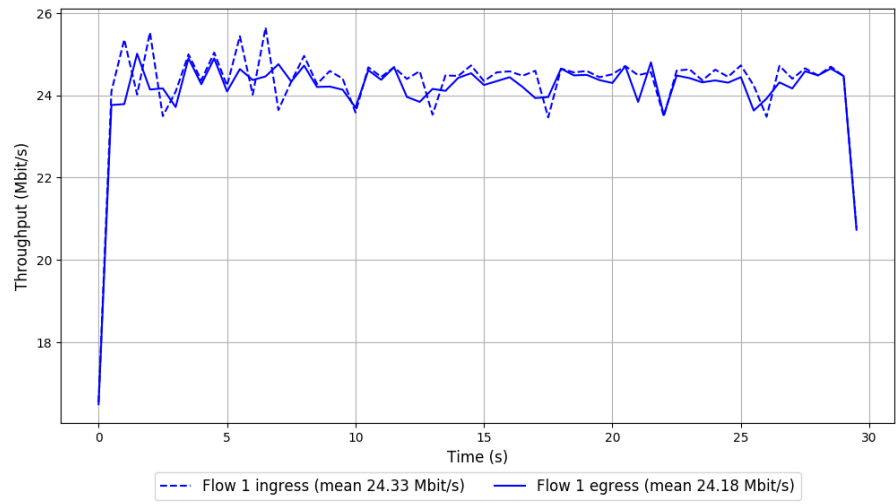


Run 7: Statistics of Sprout

Start at: 2018-01-16 16:01:45
End at: 2018-01-16 16:02:15
Local clock offset: -0.579 ms
Remote clock offset: -18.31 ms

Below is generated by plot.py at 2018-01-16 17:45:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 5.204 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 5.204 ms
Loss rate: 0.61%

Run 7: Report of Sprout — Data Link

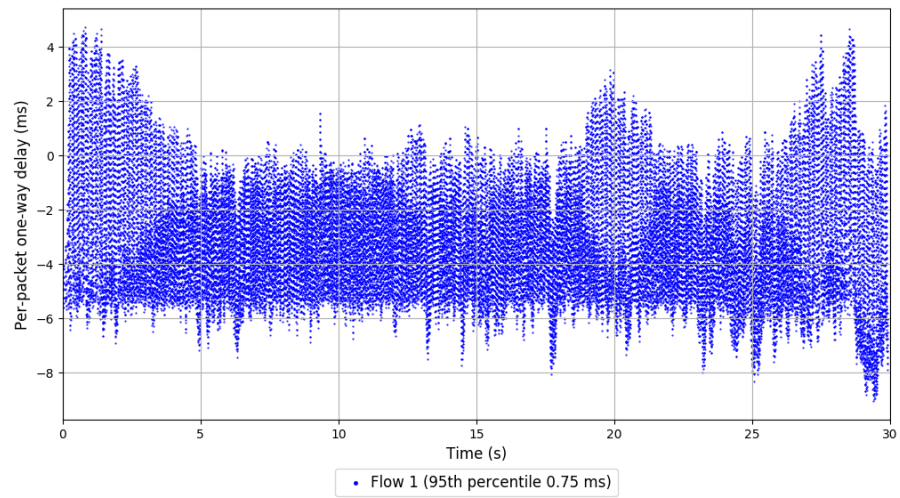
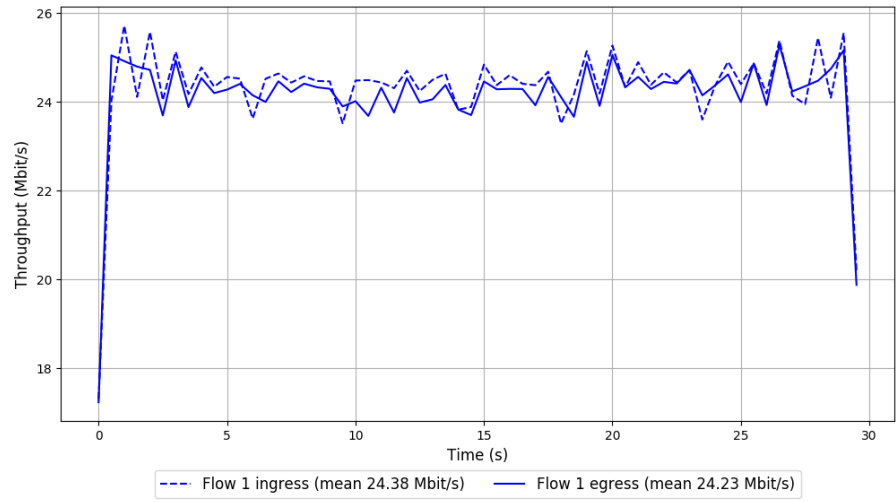


Run 8: Statistics of Sprout

Start at: 2018-01-16 16:22:41
End at: 2018-01-16 16:23:11
Local clock offset: 1.539 ms
Remote clock offset: -21.507 ms

Below is generated by plot.py at 2018-01-16 17:45:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 0.752 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 0.752 ms
Loss rate: 0.63%

Run 8: Report of Sprout — Data Link

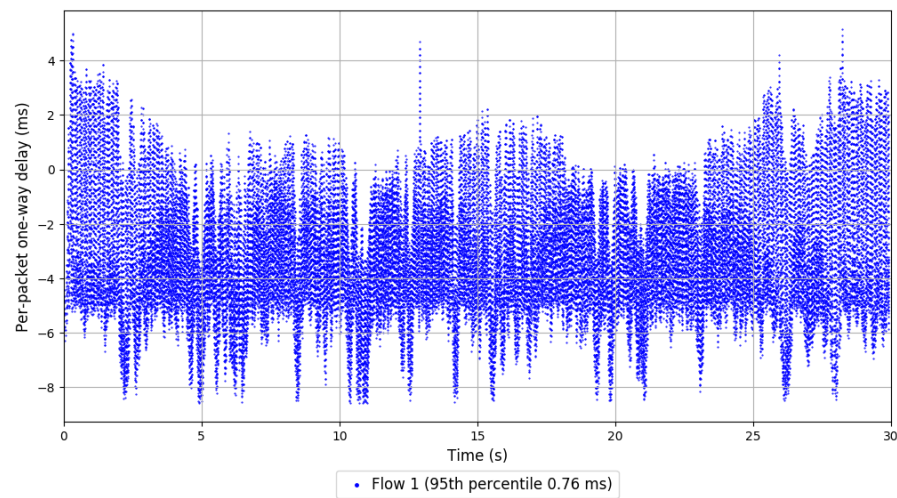
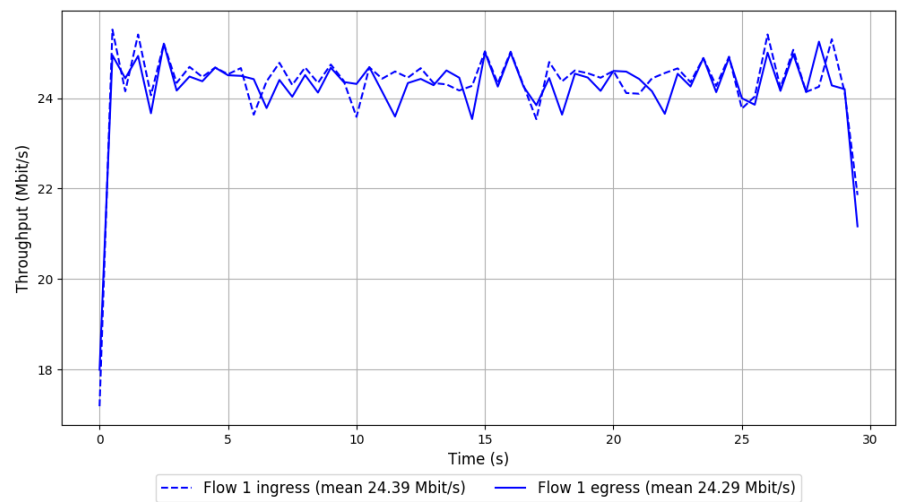


Run 9: Statistics of Sprout

Start at: 2018-01-16 16:43:32
End at: 2018-01-16 16:44:02
Local clock offset: 1.962 ms
Remote clock offset: -20.877 ms

Below is generated by plot.py at 2018-01-16 17:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 0.759 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 0.759 ms
Loss rate: 0.44%

Run 9: Report of Sprout — Data Link

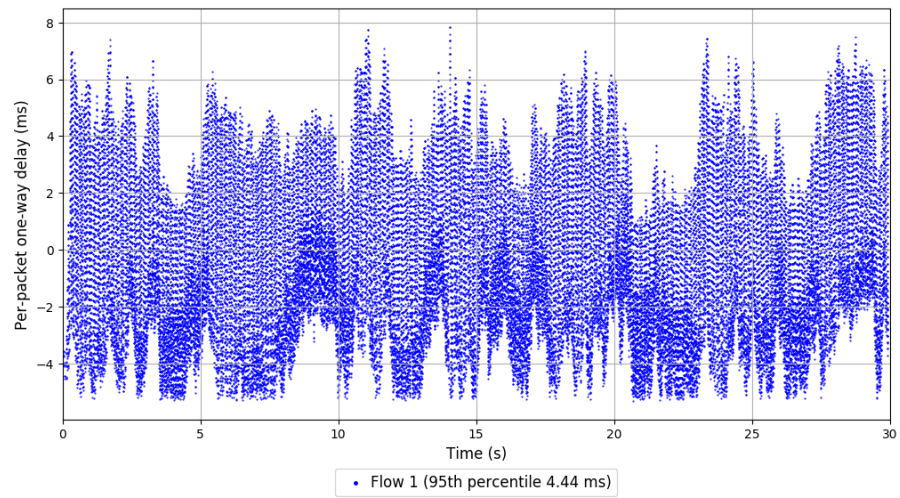
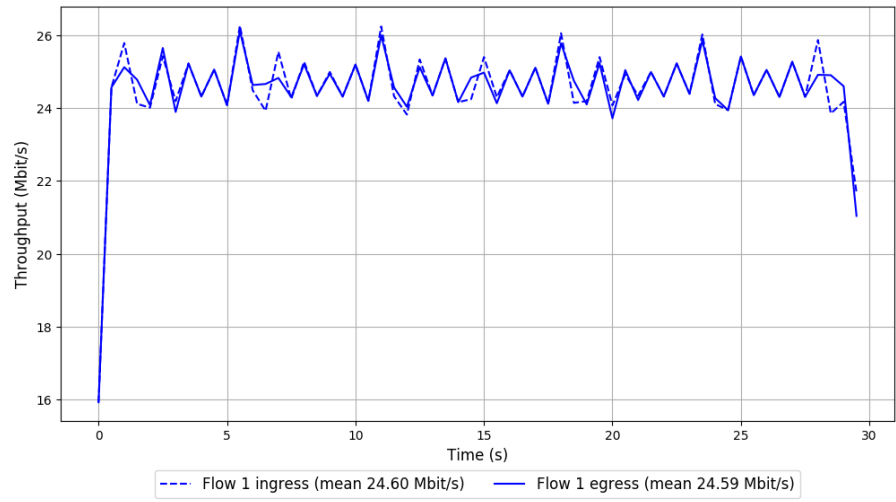


Run 10: Statistics of Sprout

Start at: 2018-01-16 17:04:36
End at: 2018-01-16 17:05:06
Local clock offset: -1.076 ms
Remote clock offset: -20.765 ms

Below is generated by plot.py at 2018-01-16 17:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 4.439 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 4.439 ms
Loss rate: 0.03%

Run 10: Report of Sprout — Data Link

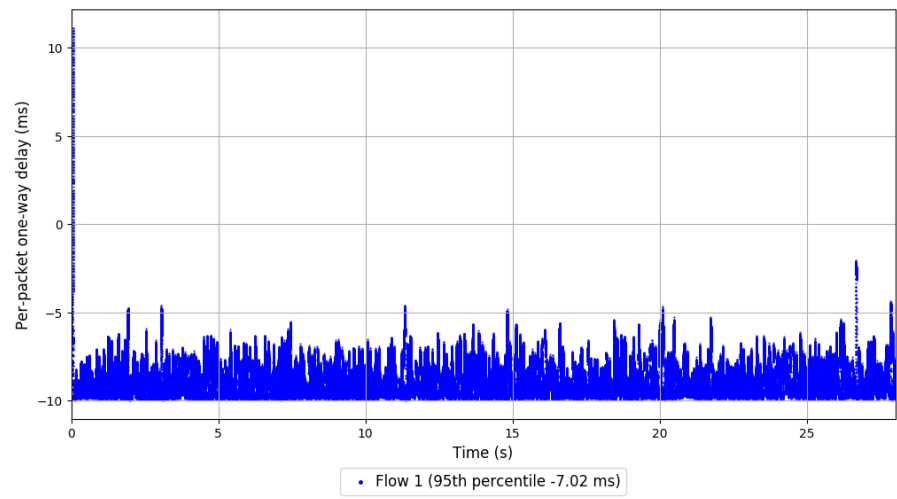
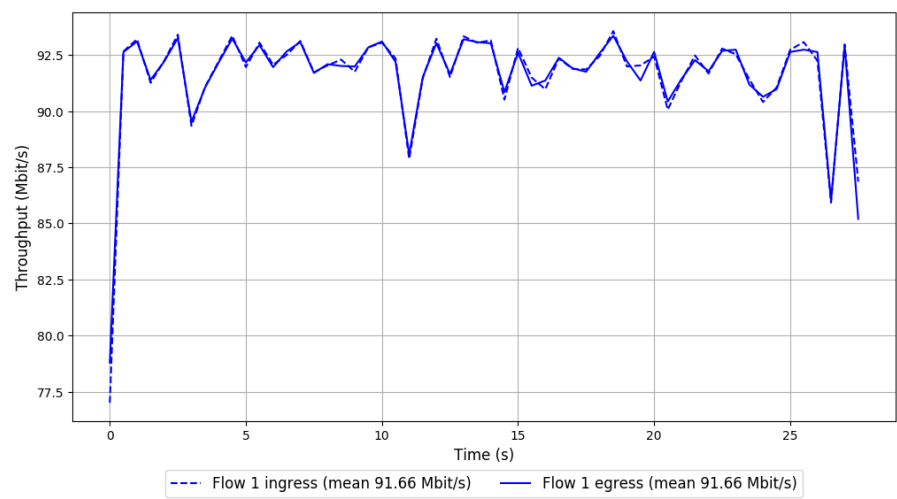


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 13:56:07
End at: 2018-01-16 13:56:37
Local clock offset: 3.791 ms
Remote clock offset: -17.345 ms

# Below is generated by plot.py at 2018-01-16 17:47:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: -7.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: -7.017 ms
Loss rate: 0.00%
```


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

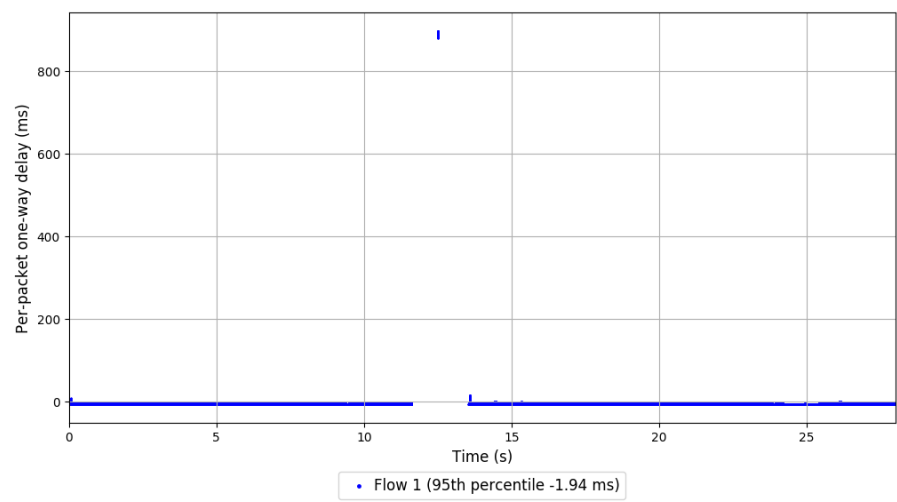
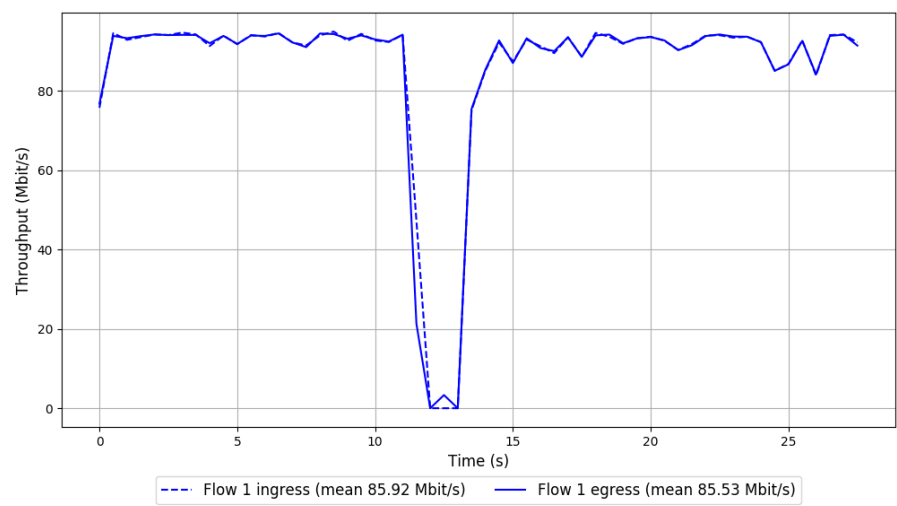


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-16 14:17:28
End at: 2018-01-16 14:17:58
Local clock offset: 1.549 ms
Remote clock offset: -17.088 ms

Below is generated by plot.py at 2018-01-16 17:47:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: -1.937 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: -1.937 ms
Loss rate: 0.45%

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

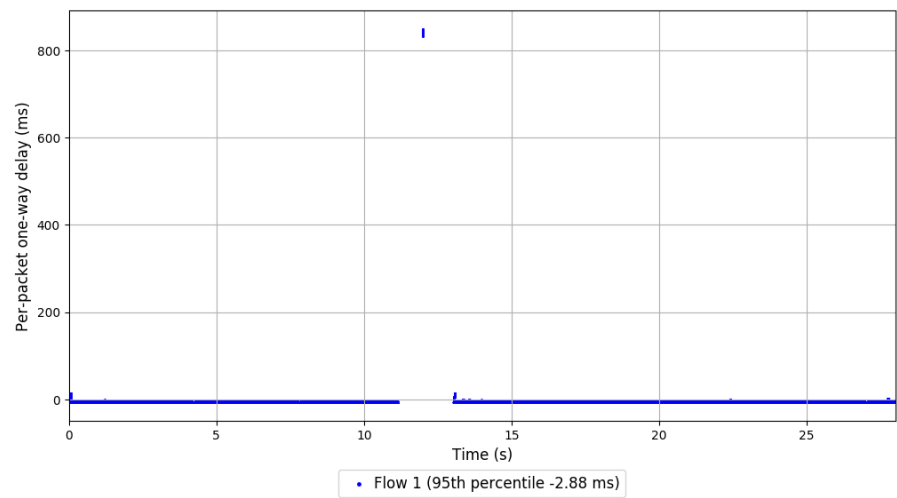
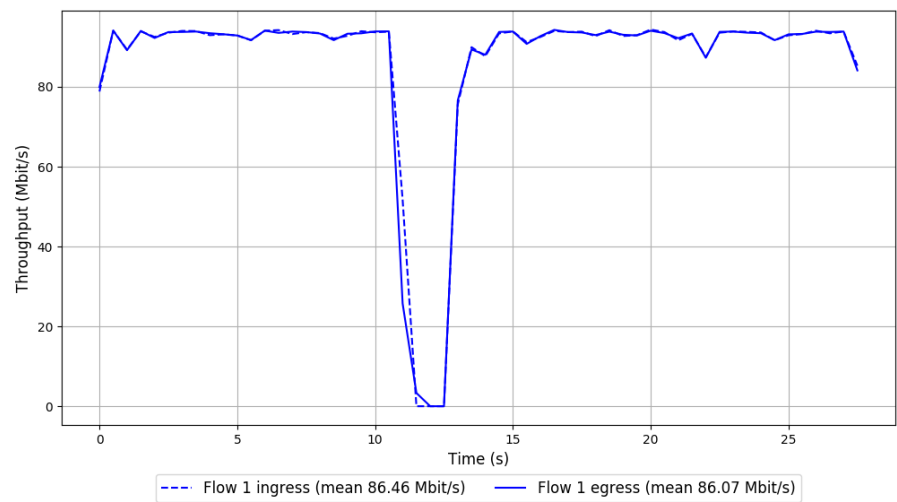


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 14:38:32
End at: 2018-01-16 14:39:02
Local clock offset: 3.032 ms
Remote clock offset: -15.744 ms

Below is generated by plot.py at 2018-01-16 17:47:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.07 Mbit/s
95th percentile per-packet one-way delay: -2.879 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 86.07 Mbit/s
95th percentile per-packet one-way delay: -2.879 ms
Loss rate: 0.45%

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

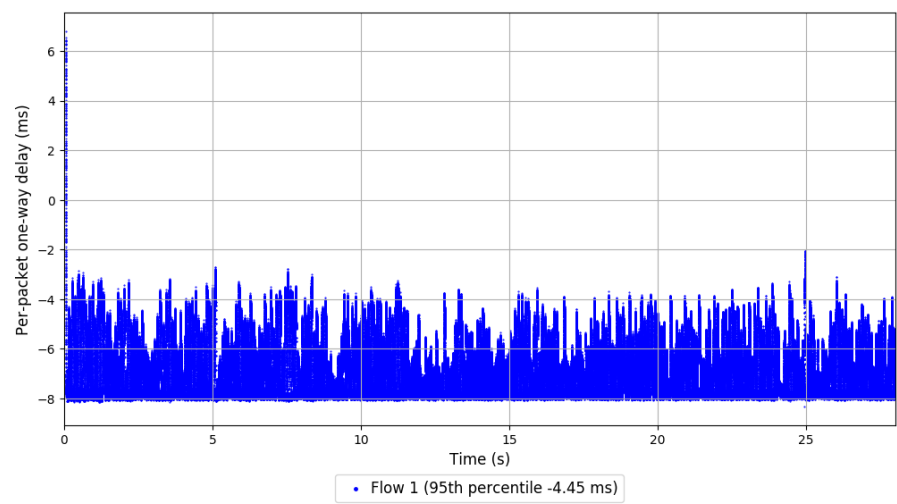
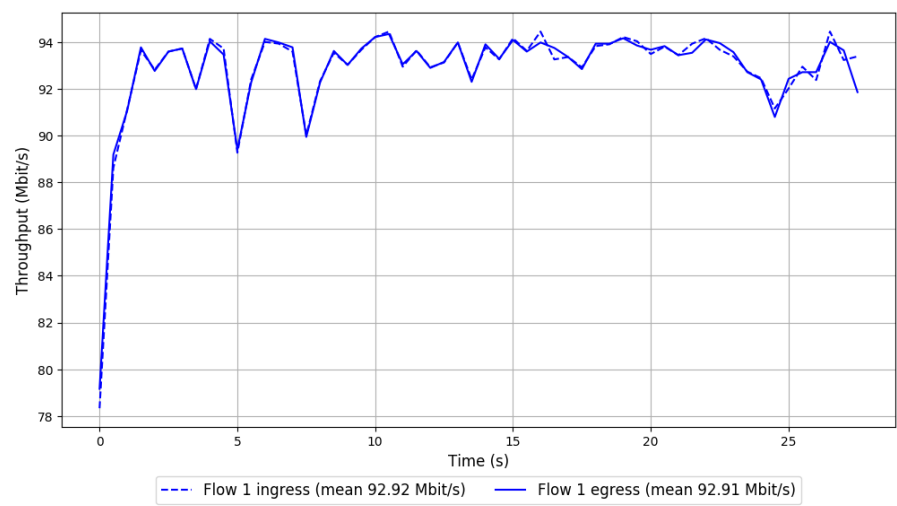


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-16 14:59:41
End at: 2018-01-16 15:00:11
Local clock offset: 3.678 ms
Remote clock offset: -16.129 ms

Below is generated by plot.py at 2018-01-16 17:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: -4.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: -4.452 ms
Loss rate: 0.00%

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

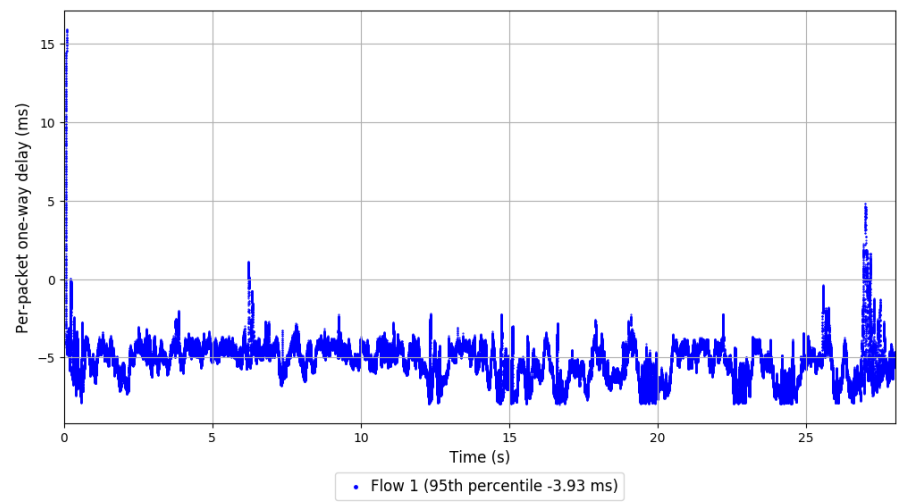
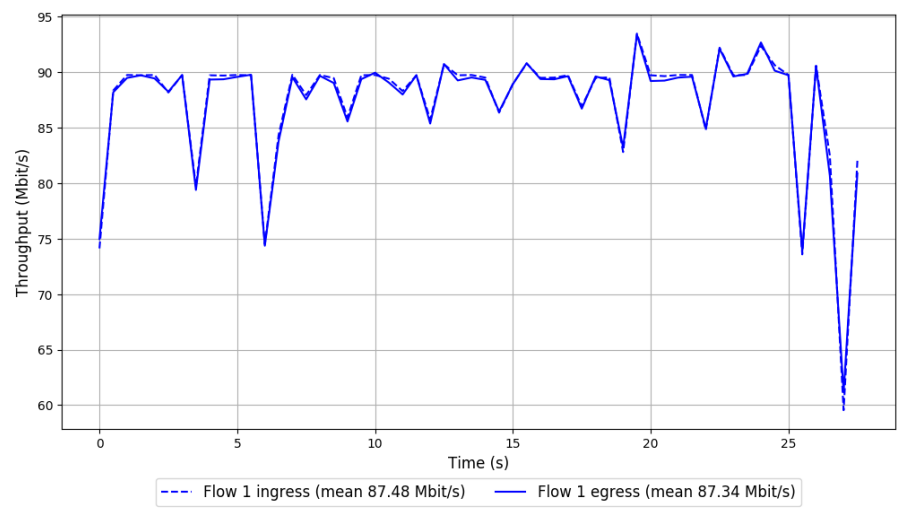


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-16 15:20:51
End at: 2018-01-16 15:21:21
Local clock offset: 2.455 ms
Remote clock offset: -17.798 ms

Below is generated by plot.py at 2018-01-16 17:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: -3.931 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: -3.931 ms
Loss rate: 0.16%

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

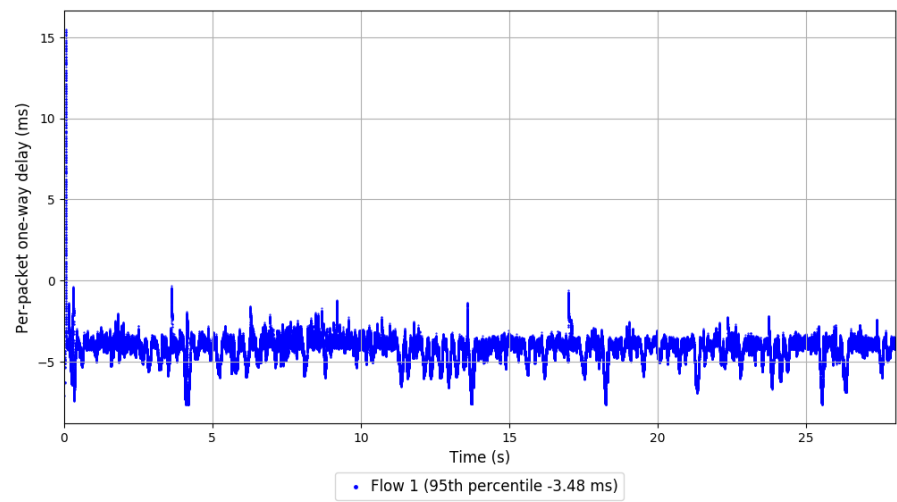
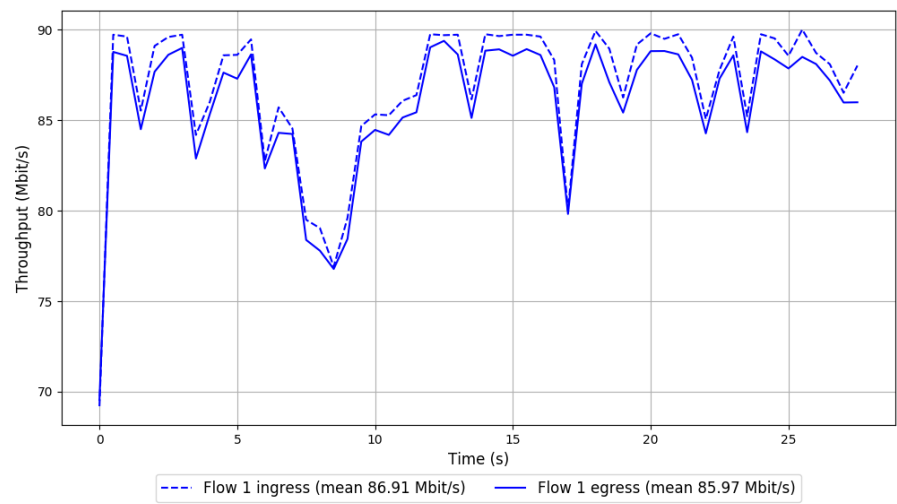


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-16 15:41:55
End at: 2018-01-16 15:42:25
Local clock offset: 0.947 ms
Remote clock offset: -19.654 ms

Below is generated by plot.py at 2018-01-16 17:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.97 Mbit/s
95th percentile per-packet one-way delay: -3.476 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 85.97 Mbit/s
95th percentile per-packet one-way delay: -3.476 ms
Loss rate: 1.08%

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

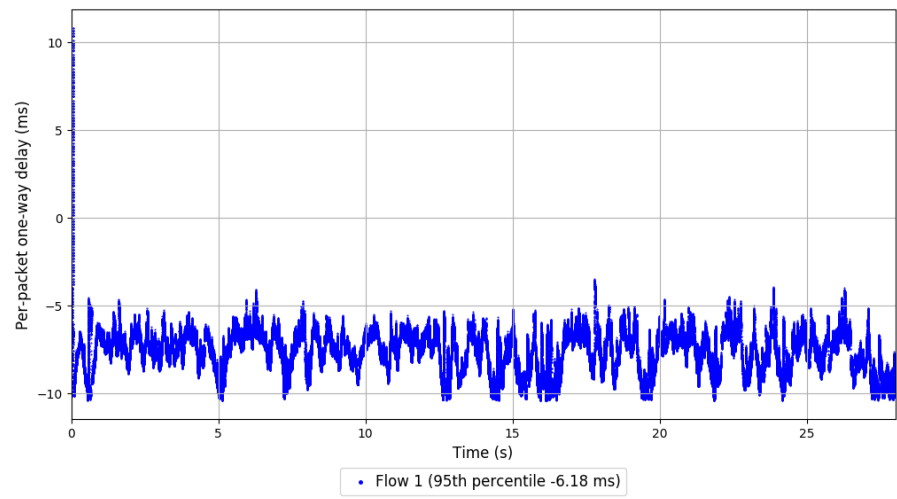
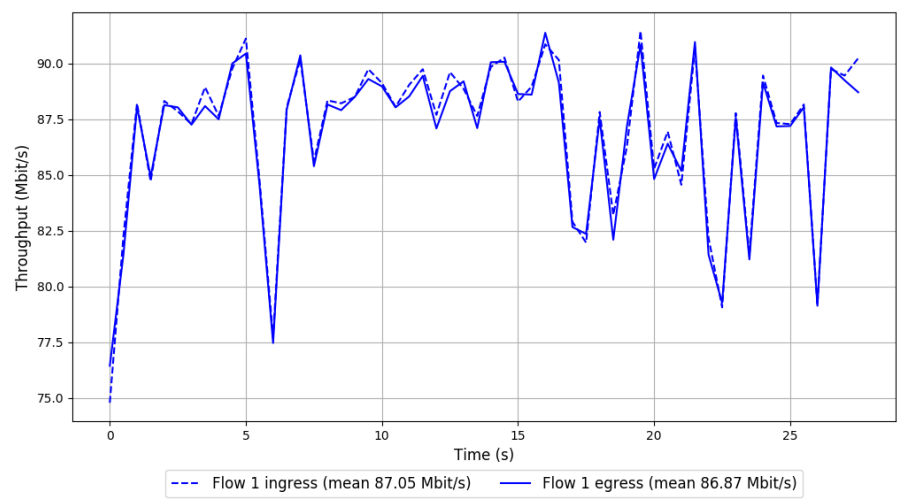


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-16 16:02:51
End at: 2018-01-16 16:03:21
Local clock offset: 2.7 ms
Remote clock offset: -21.23 ms

Below is generated by plot.py at 2018-01-16 17:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: -6.176 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: -6.176 ms
Loss rate: 0.20%

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

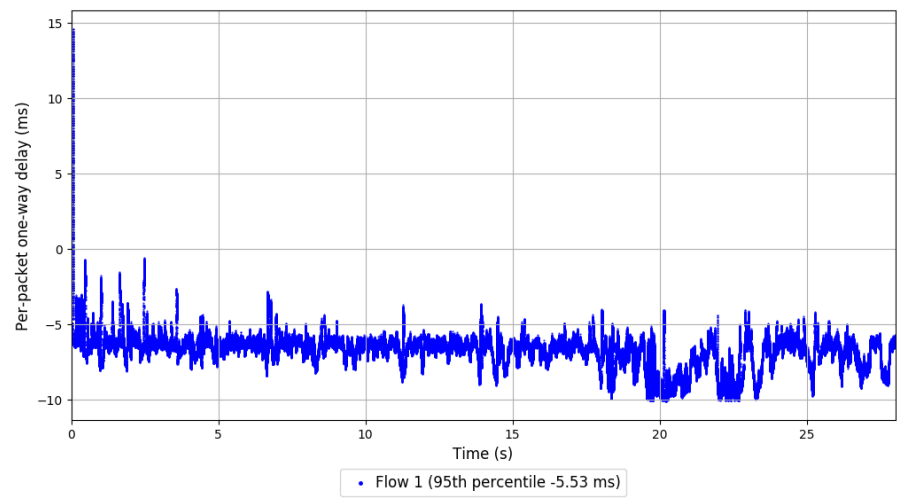
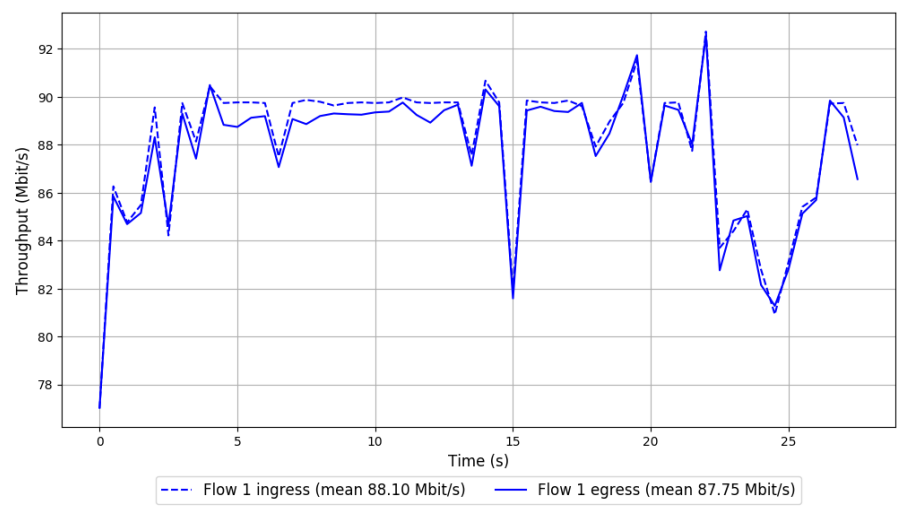


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-16 16:23:47
End at: 2018-01-16 16:24:17
Local clock offset: 1.997 ms
Remote clock offset: -22.095 ms

Below is generated by plot.py at 2018-01-16 17:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: -5.530 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: -5.530 ms
Loss rate: 0.40%

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

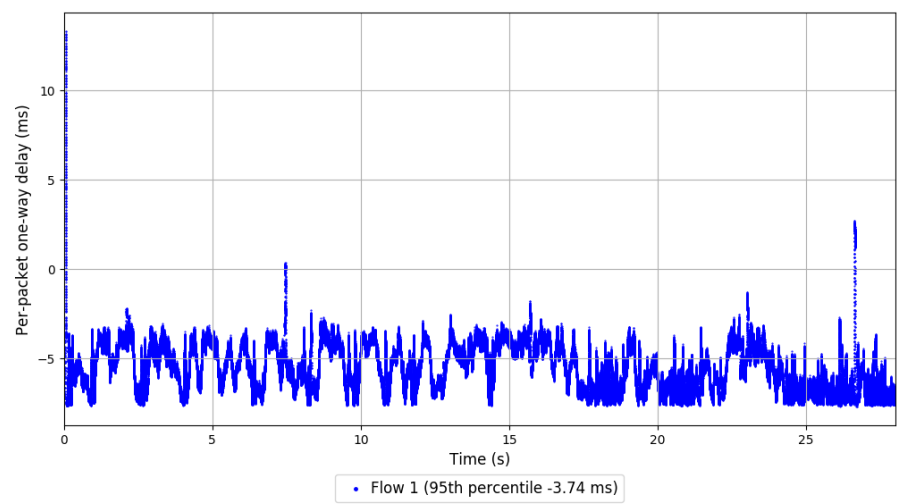
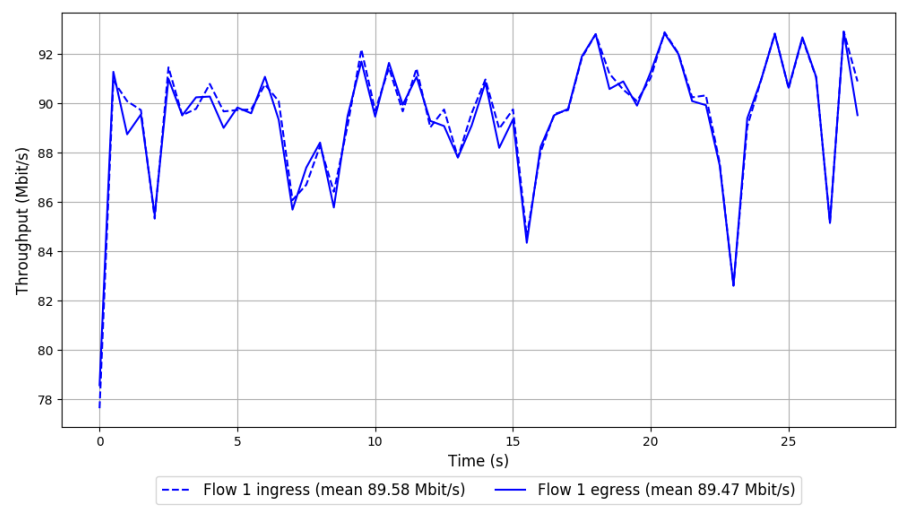


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-16 16:44:38
End at: 2018-01-16 16:45:08
Local clock offset: 1.083 ms
Remote clock offset: -20.826 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: -3.741 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: -3.741 ms
Loss rate: 0.13%

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



Run 10: Statistics of TaoVA-100x

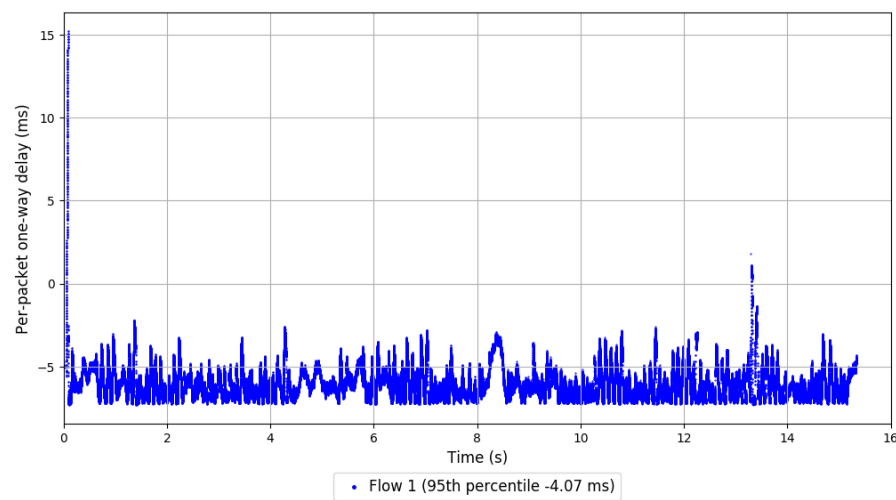
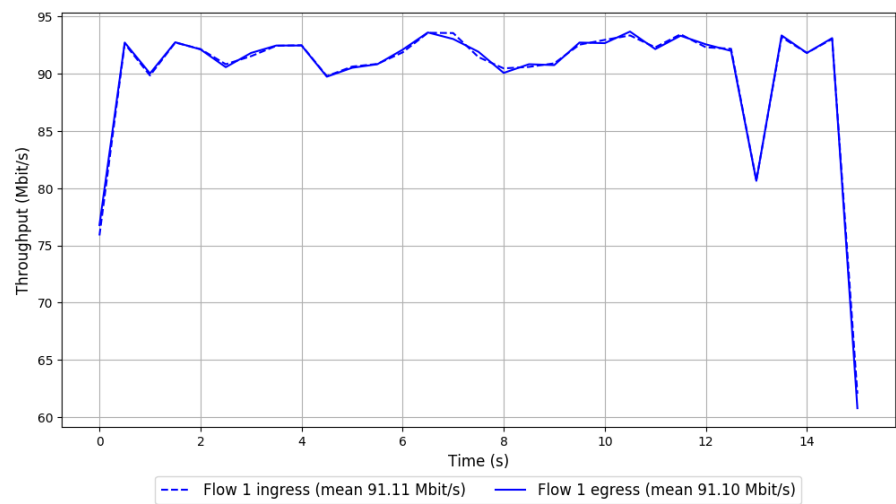
Start at: 2018-01-16 17:05:44

End at: 2018-01-16 17:06:14

Local clock offset: 1.426 ms

Remote clock offset: -20.235 ms

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

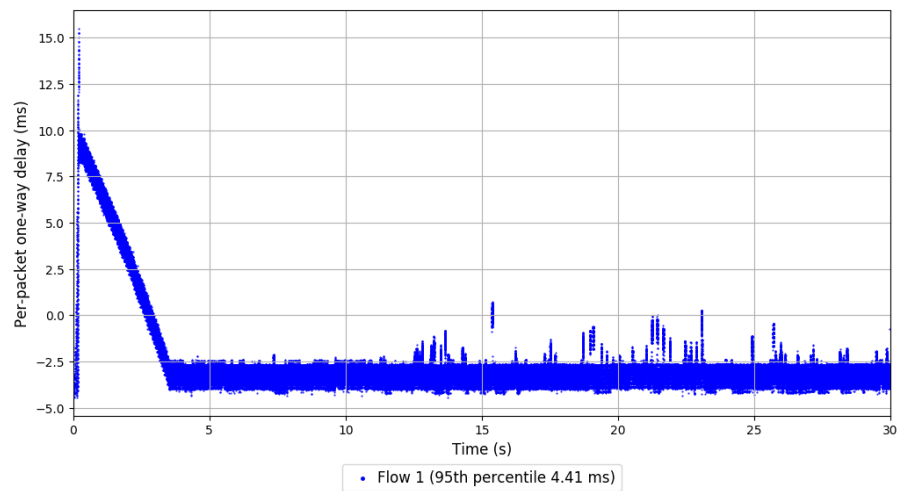
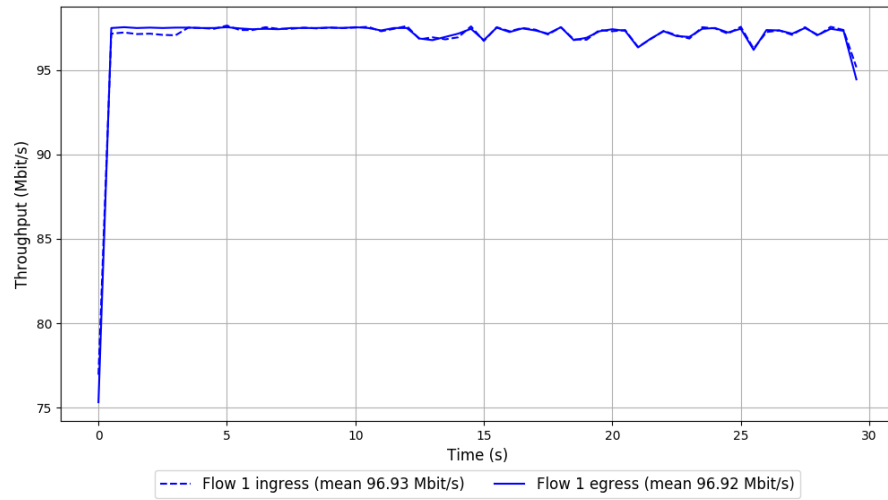


Run 1: Statistics of TCP Vegas

Start at: 2018-01-16 13:38:36
End at: 2018-01-16 13:39:06
Local clock offset: 0.821 ms
Remote clock offset: -13.382 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 4.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 4.409 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

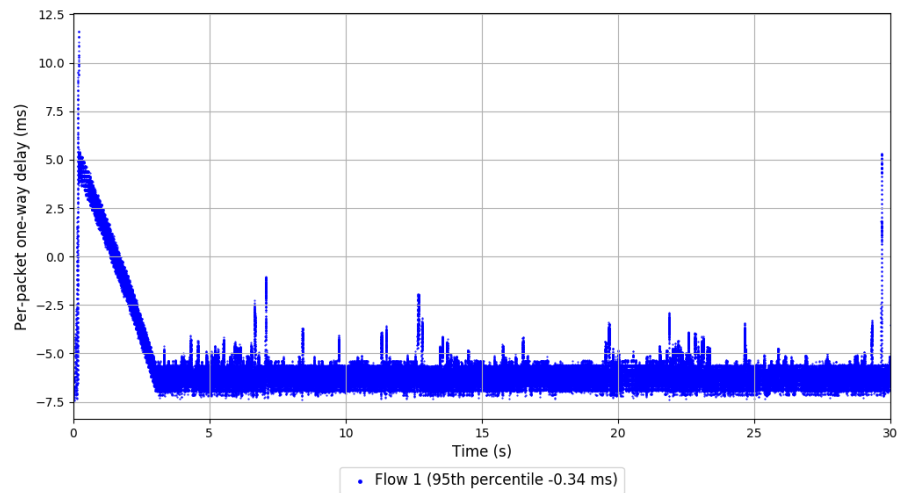
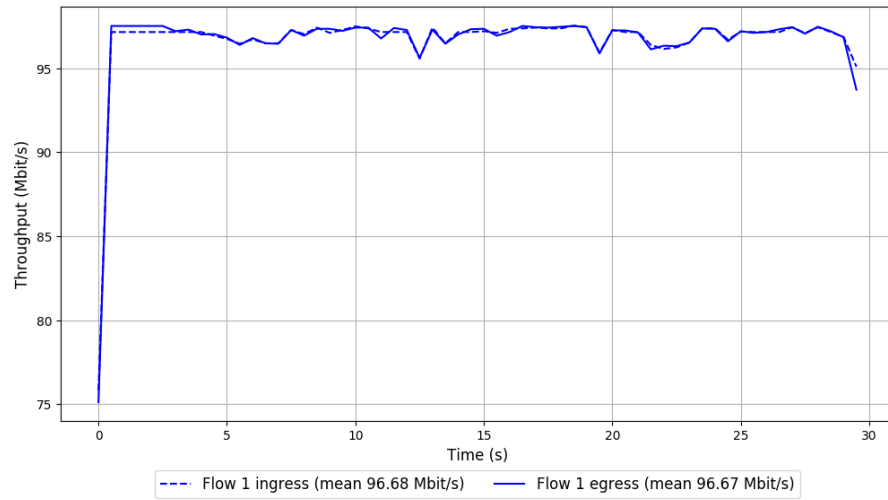


Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 13:59:41
End at: 2018-01-16 14:00:11
Local clock offset: 2.242 ms
Remote clock offset: -16.551 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: -0.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: -0.342 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

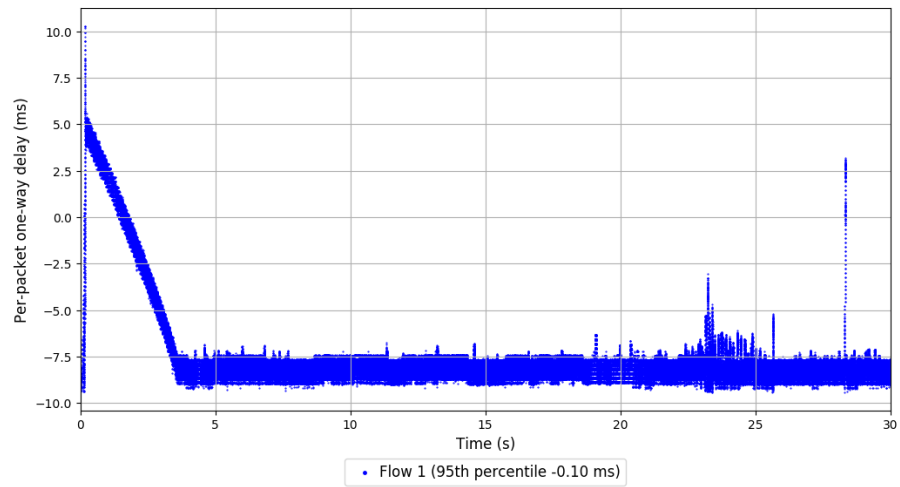
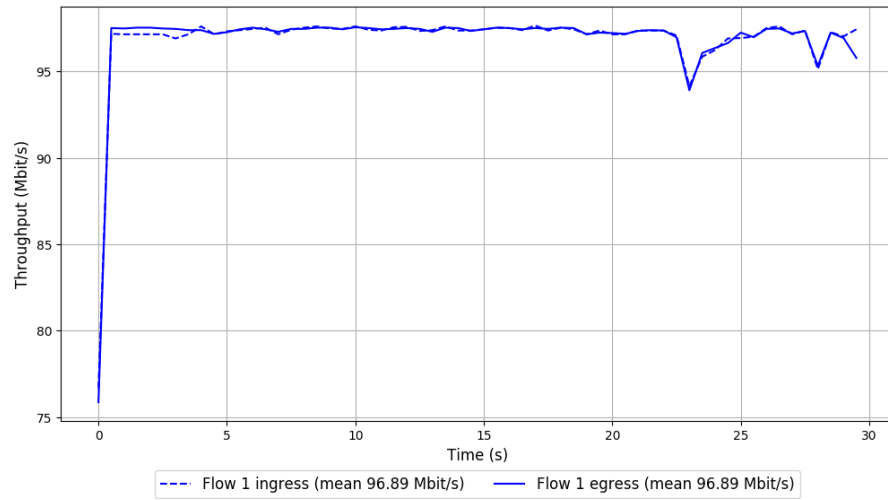


Run 3: Statistics of TCP Vegas

Start at: 2018-01-16 14:21:03
End at: 2018-01-16 14:21:33
Local clock offset: 3.914 ms
Remote clock offset: -18.106 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: -0.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: -0.096 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

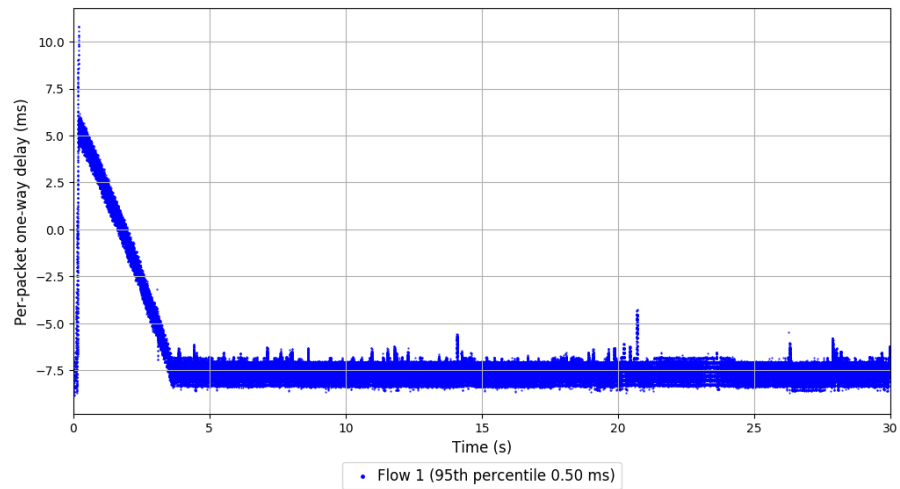
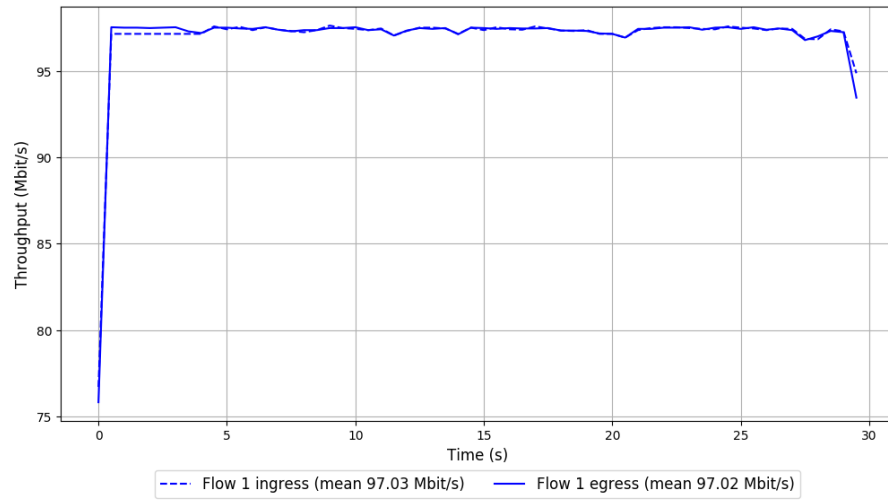


Run 4: Statistics of TCP Vegas

Start at: 2018-01-16 14:42:06
End at: 2018-01-16 14:42:36
Local clock offset: 3.957 ms
Remote clock offset: -16.94 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 0.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 0.504 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

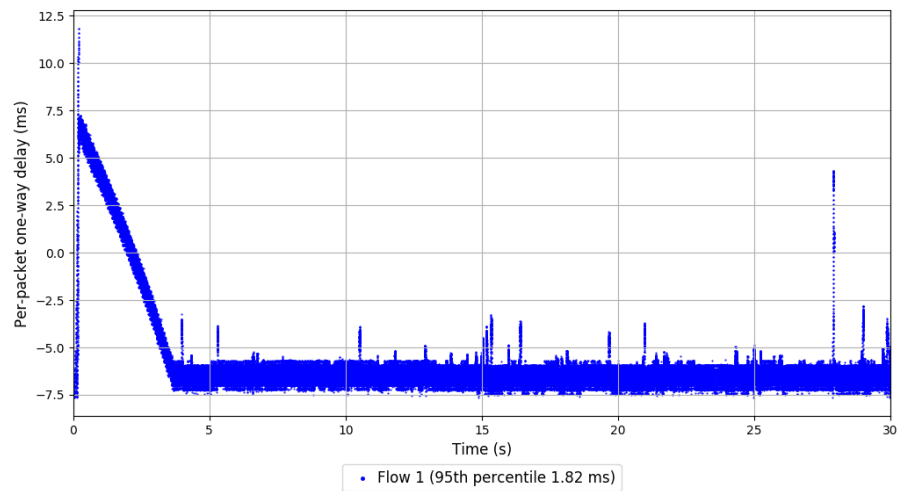
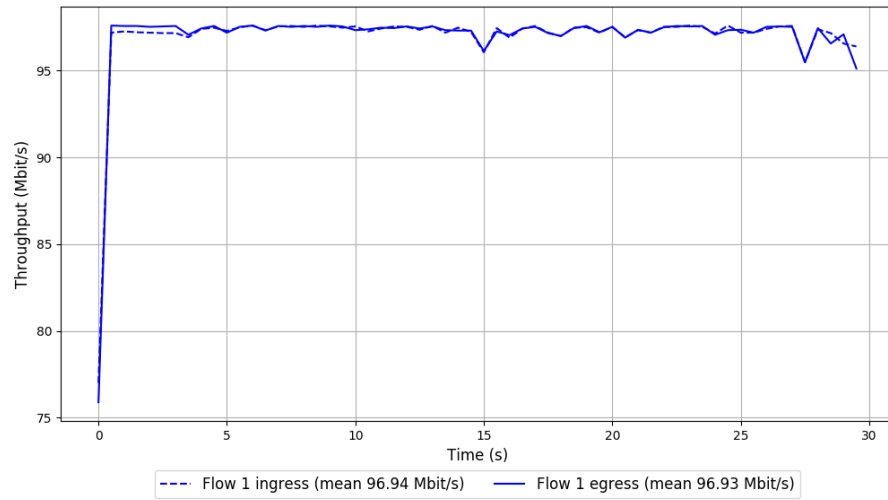


Run 5: Statistics of TCP Vegas

Start at: 2018-01-16 15:03:15
End at: 2018-01-16 15:03:45
Local clock offset: 2.81 ms
Remote clock offset: -16.718 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 1.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 1.817 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

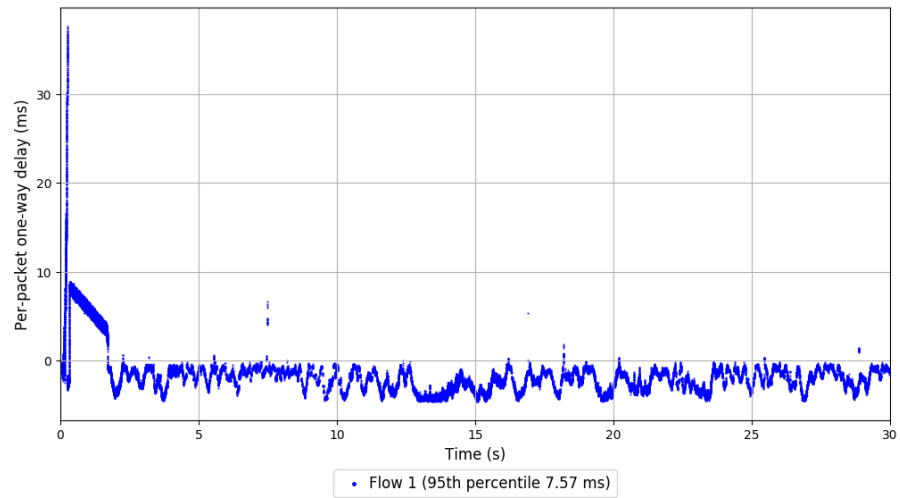
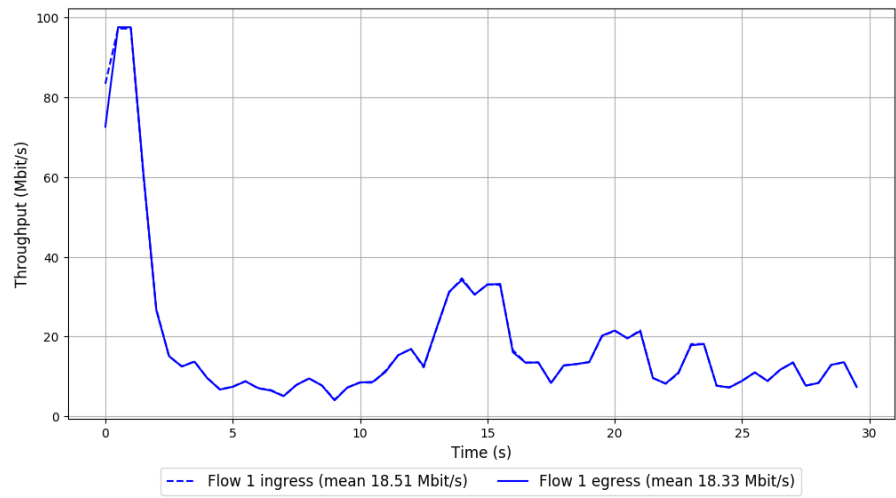


Run 6: Statistics of TCP Vegas

Start at: 2018-01-16 15:24:29
End at: 2018-01-16 15:24:59
Local clock offset: 0.269 ms
Remote clock offset: -16.73 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 7.567 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 7.567 ms
Loss rate: 0.96%

Run 6: Report of TCP Vegas — Data Link

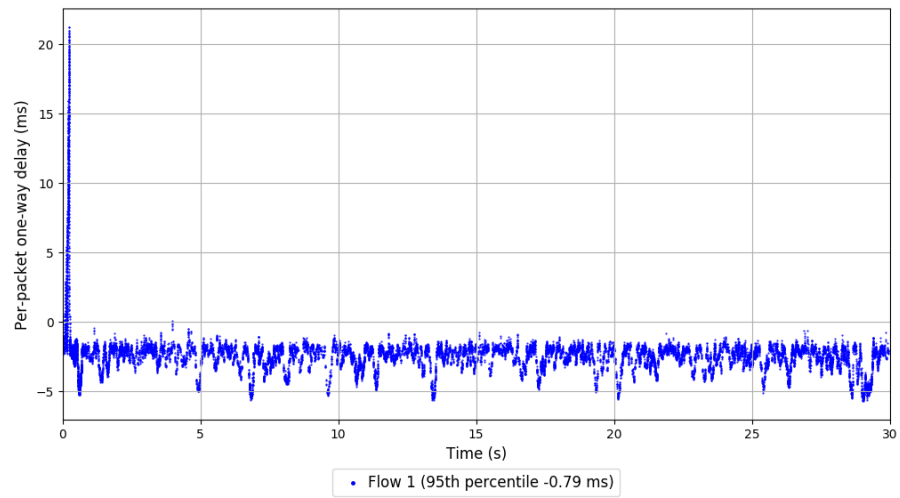
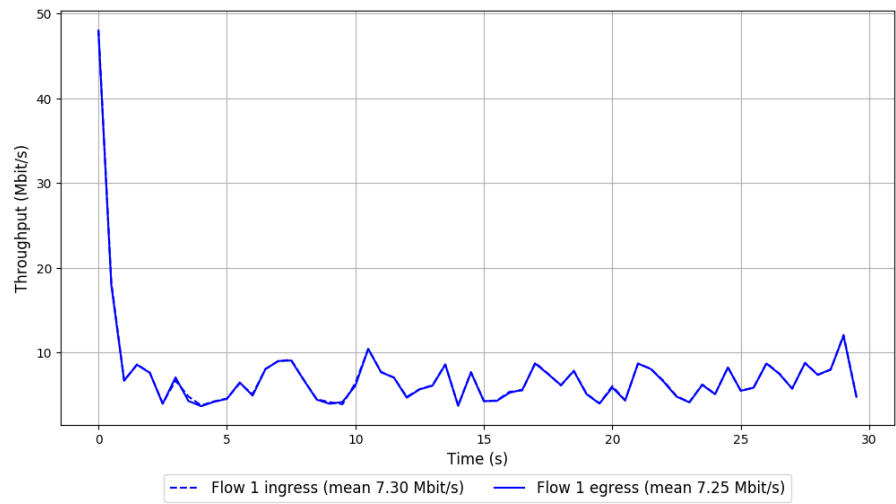


Run 7: Statistics of TCP Vegas

Start at: 2018-01-16 15:45:40
End at: 2018-01-16 15:46:10
Local clock offset: 0.661 ms
Remote clock offset: -18.083 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: -0.793 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: -0.793 ms
Loss rate: 0.67%

Run 7: Report of TCP Vegas — Data Link

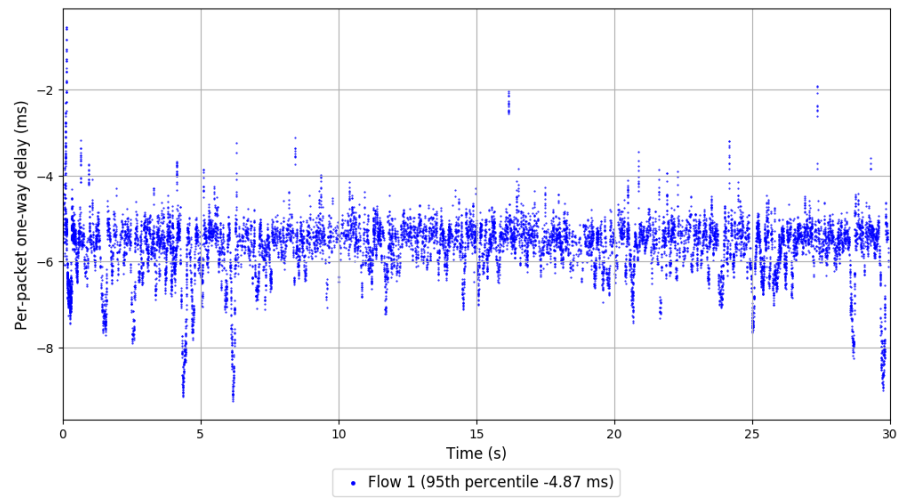
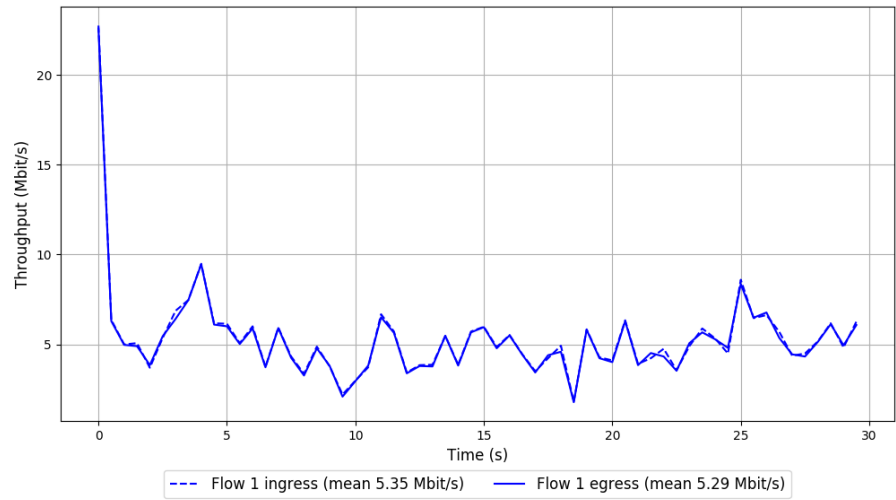


Run 8: Statistics of TCP Vegas

Start at: 2018-01-16 16:06:30
End at: 2018-01-16 16:07:00
Local clock offset: 1.741 ms
Remote clock offset: -21.056 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: -4.867 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: -4.867 ms
Loss rate: 1.00%

Run 8: Report of TCP Vegas — Data Link

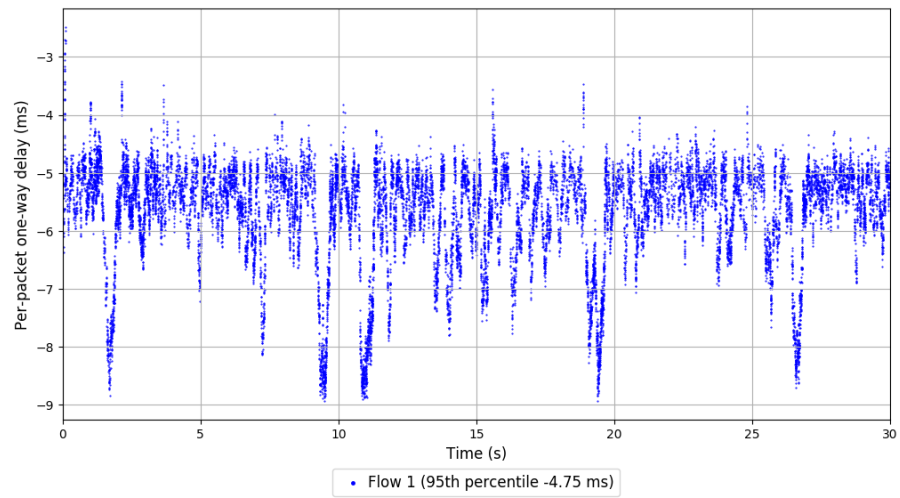
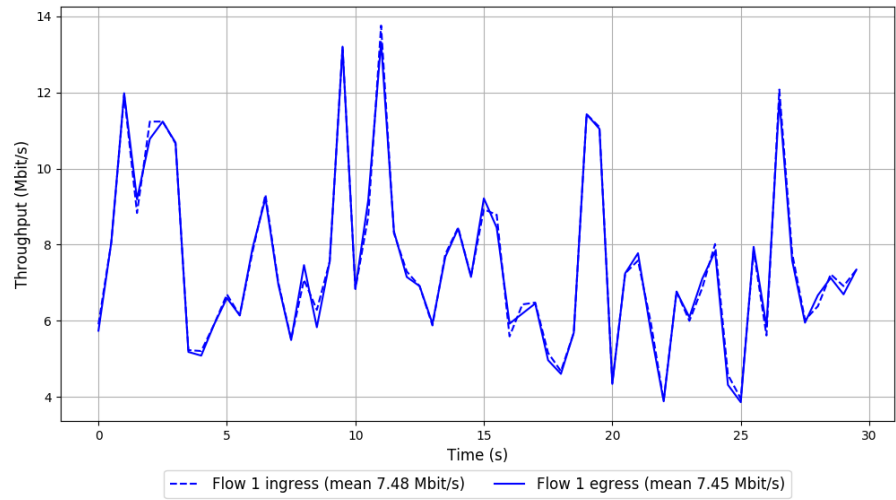


Run 9: Statistics of TCP Vegas

Start at: 2018-01-16 16:27:25
End at: 2018-01-16 16:27:56
Local clock offset: 2.234 ms
Remote clock offset: -20.719 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: -4.750 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: -4.750 ms
Loss rate: 0.36%

Run 9: Report of TCP Vegas — Data Link

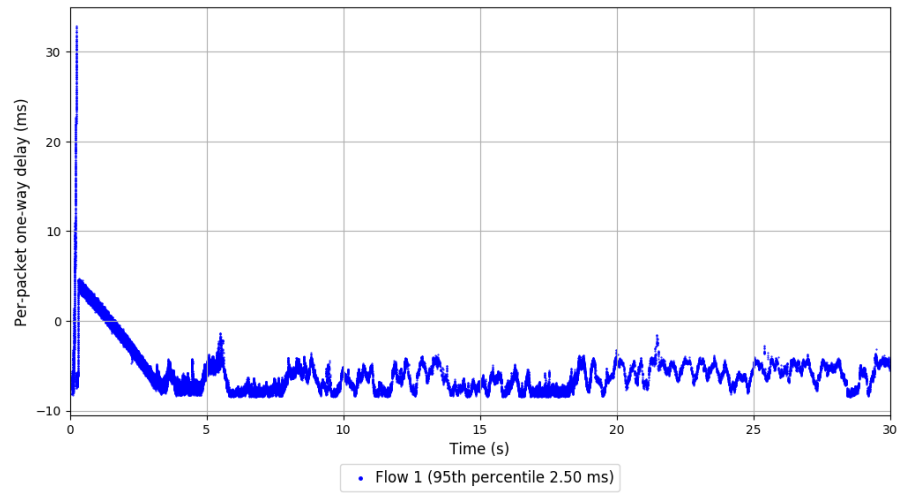
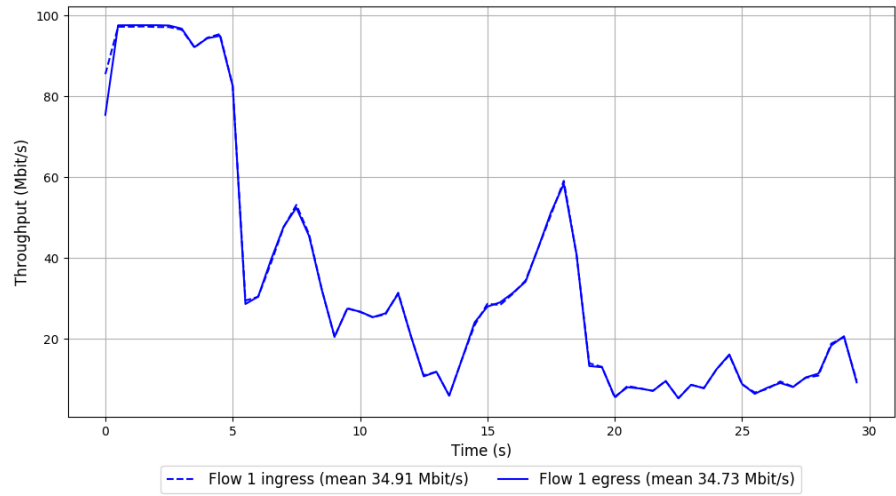


Run 10: Statistics of TCP Vegas

Start at: 2018-01-16 16:48:17
End at: 2018-01-16 16:48:47
Local clock offset: 1.529 ms
Remote clock offset: -21.24 ms

Below is generated by plot.py at 2018-01-16 17:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 2.500 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 2.500 ms
Loss rate: 0.50%

Run 10: Report of TCP Vegas — Data Link

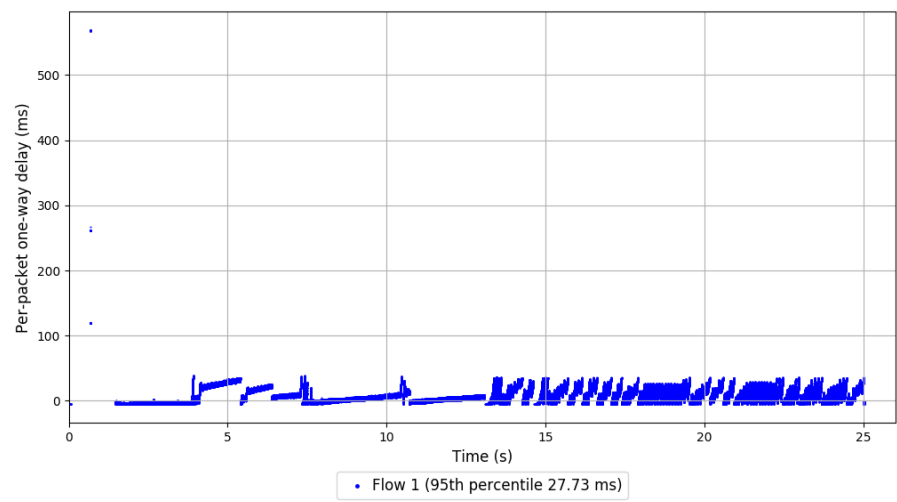
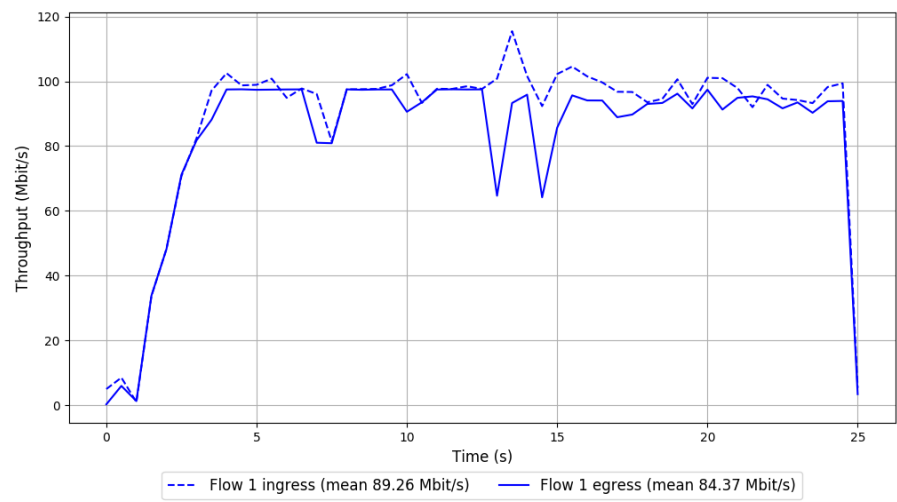


Run 1: Statistics of Verus

Start at: 2018-01-16 13:48:03
End at: 2018-01-16 13:48:33
Local clock offset: 0.115 ms
Remote clock offset: -16.189 ms

Below is generated by plot.py at 2018-01-16 17:50:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.37 Mbit/s
95th percentile per-packet one-way delay: 27.733 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 84.37 Mbit/s
95th percentile per-packet one-way delay: 27.733 ms
Loss rate: 5.46%

Run 1: Report of Verus — Data Link

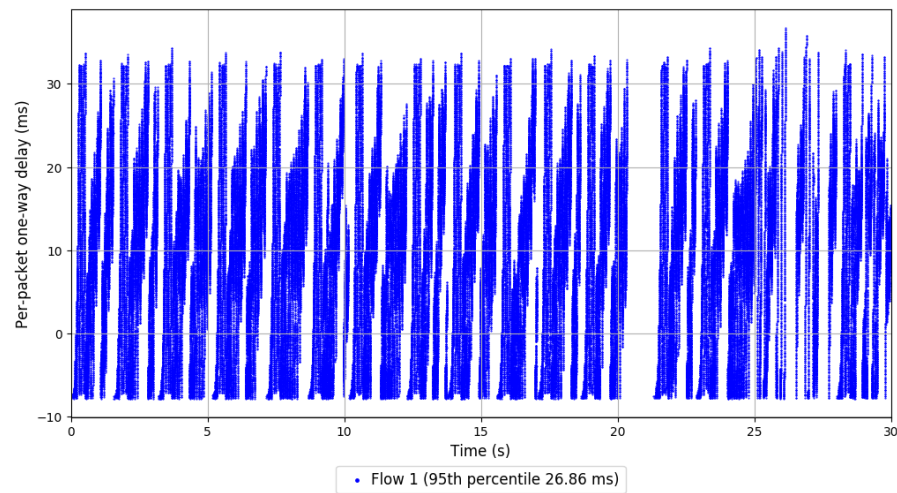
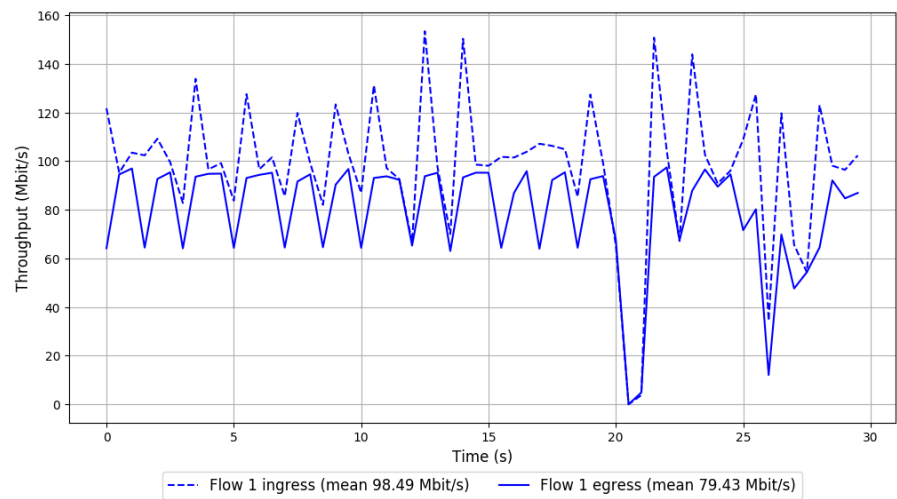


Run 2: Statistics of Verus

Start at: 2018-01-16 14:09:21
End at: 2018-01-16 14:09:51
Local clock offset: 3.694 ms
Remote clock offset: -16.211 ms

Below is generated by plot.py at 2018-01-16 17:50:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.43 Mbit/s
95th percentile per-packet one-way delay: 26.859 ms
Loss rate: 19.30%
-- Flow 1:
Average throughput: 79.43 Mbit/s
95th percentile per-packet one-way delay: 26.859 ms
Loss rate: 19.30%

Run 2: Report of Verus — Data Link

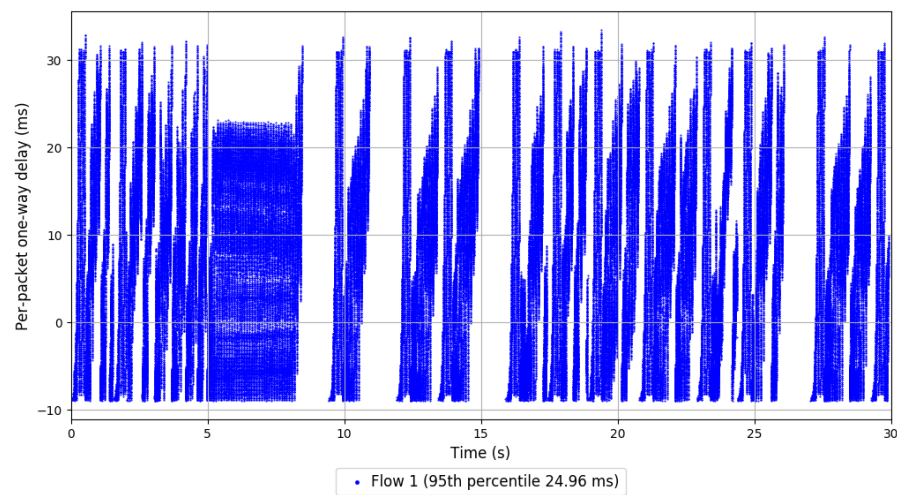
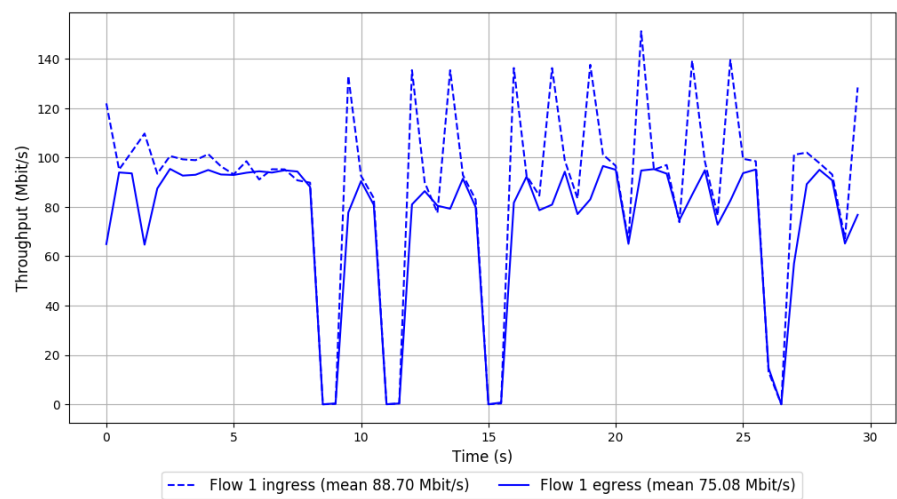


Run 3: Statistics of Verus

Start at: 2018-01-16 14:30:29
End at: 2018-01-16 14:30:59
Local clock offset: 4.0 ms
Remote clock offset: -17.315 ms

Below is generated by plot.py at 2018-01-16 17:50:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 24.965 ms
Loss rate: 15.32%
-- Flow 1:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 24.965 ms
Loss rate: 15.32%

Run 3: Report of Verus — Data Link

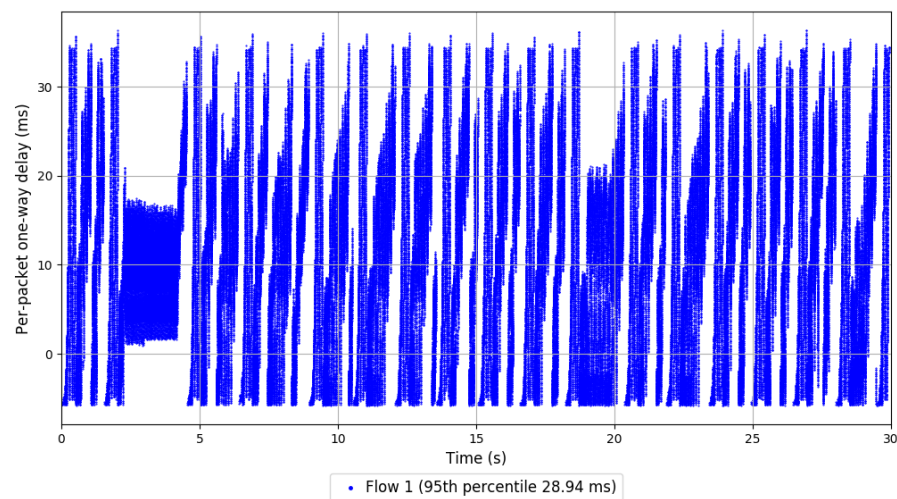
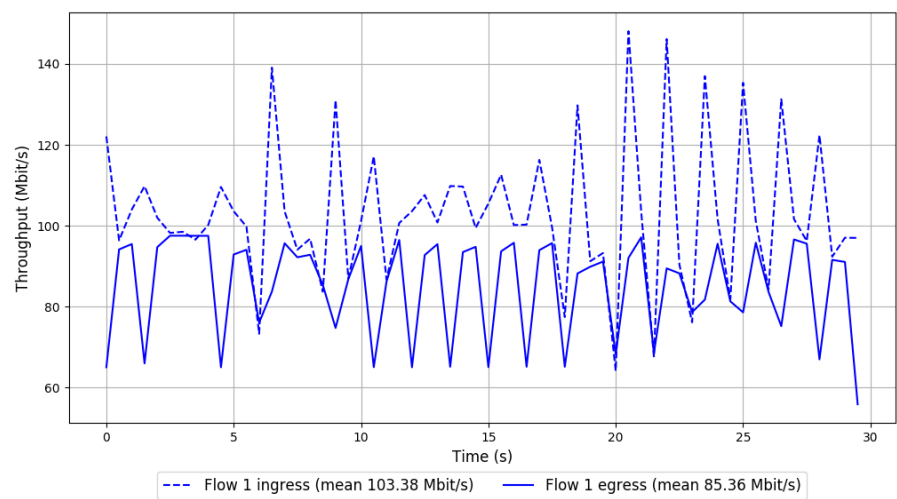


Run 4: Statistics of Verus

Start at: 2018-01-16 14:51:39
End at: 2018-01-16 14:52:10
Local clock offset: 2.219 ms
Remote clock offset: -15.111 ms

Below is generated by plot.py at 2018-01-16 17:50:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 28.941 ms
Loss rate: 17.40%
-- Flow 1:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 28.941 ms
Loss rate: 17.40%

Run 4: Report of Verus — Data Link

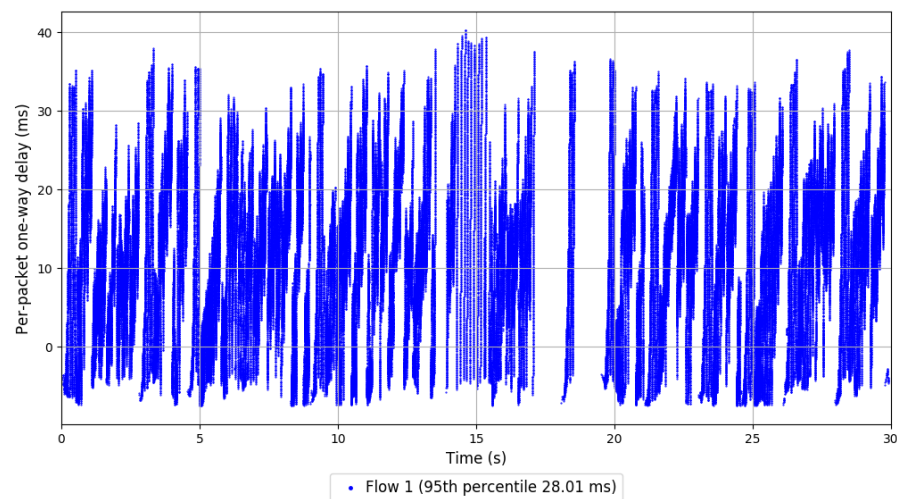
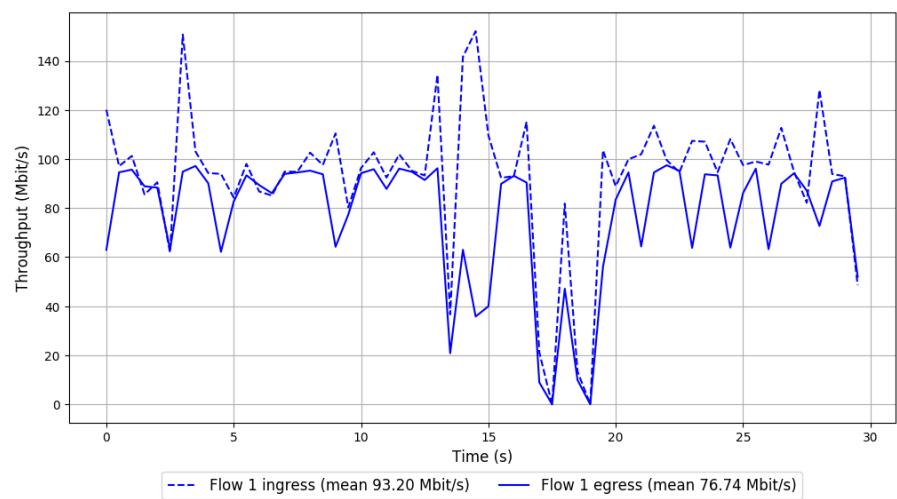


Run 5: Statistics of Verus

Start at: 2018-01-16 15:12:50
End at: 2018-01-16 15:13:20
Local clock offset: 2.175 ms
Remote clock offset: -17.38 ms

Below is generated by plot.py at 2018-01-16 17:50:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.74 Mbit/s
95th percentile per-packet one-way delay: 28.008 ms
Loss rate: 17.66%
-- Flow 1:
Average throughput: 76.74 Mbit/s
95th percentile per-packet one-way delay: 28.008 ms
Loss rate: 17.66%

Run 5: Report of Verus — Data Link

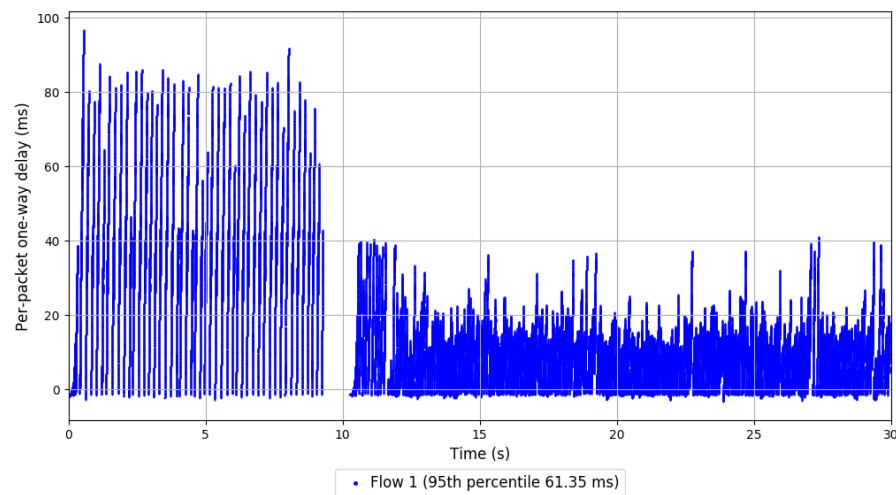
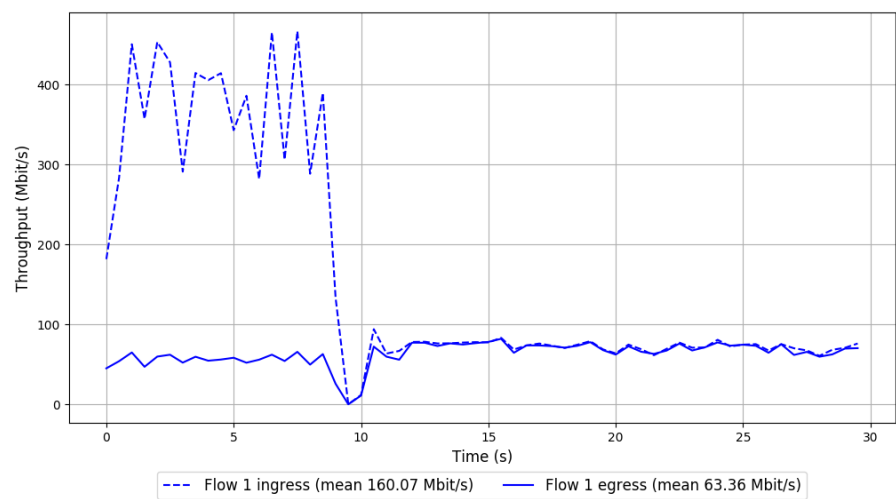


Run 6: Statistics of Verus

Start at: 2018-01-16 15:33:53
End at: 2018-01-16 15:34:23
Local clock offset: -0.663 ms
Remote clock offset: -18.238 ms

Below is generated by plot.py at 2018-01-16 17:50:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.36 Mbit/s
95th percentile per-packet one-way delay: 61.355 ms
Loss rate: 60.41%
-- Flow 1:
Average throughput: 63.36 Mbit/s
95th percentile per-packet one-way delay: 61.355 ms
Loss rate: 60.41%

Run 6: Report of Verus — Data Link

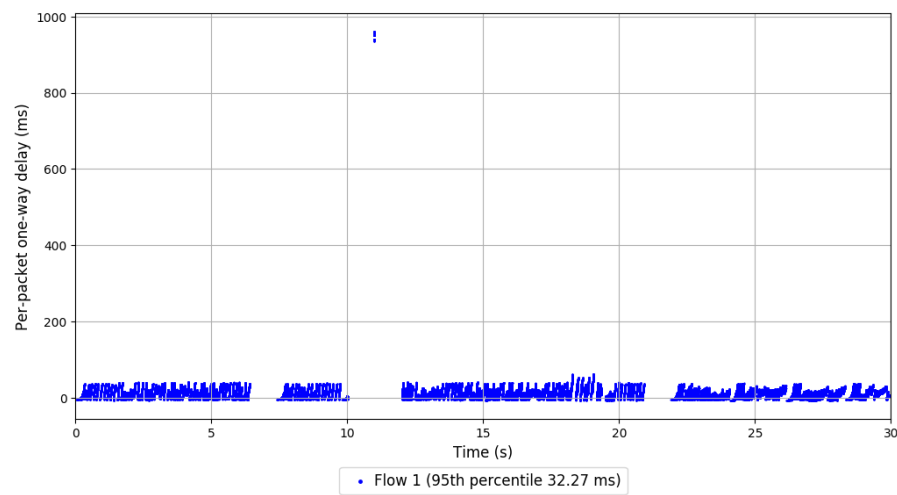
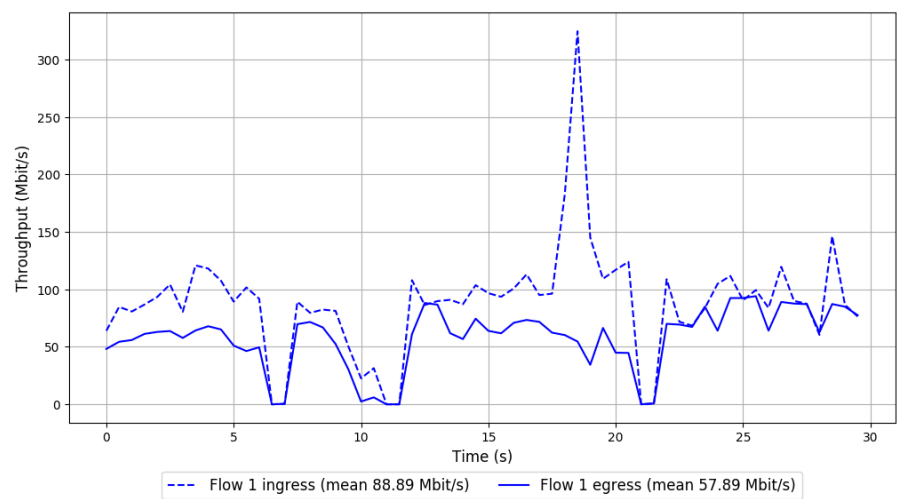


Run 7: Statistics of Verus

Start at: 2018-01-16 15:54:56
End at: 2018-01-16 15:55:26
Local clock offset: 2.471 ms
Remote clock offset: -18.817 ms

Below is generated by plot.py at 2018-01-16 17:50:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 32.273 ms
Loss rate: 34.85%
-- Flow 1:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 32.273 ms
Loss rate: 34.85%

Run 7: Report of Verus — Data Link

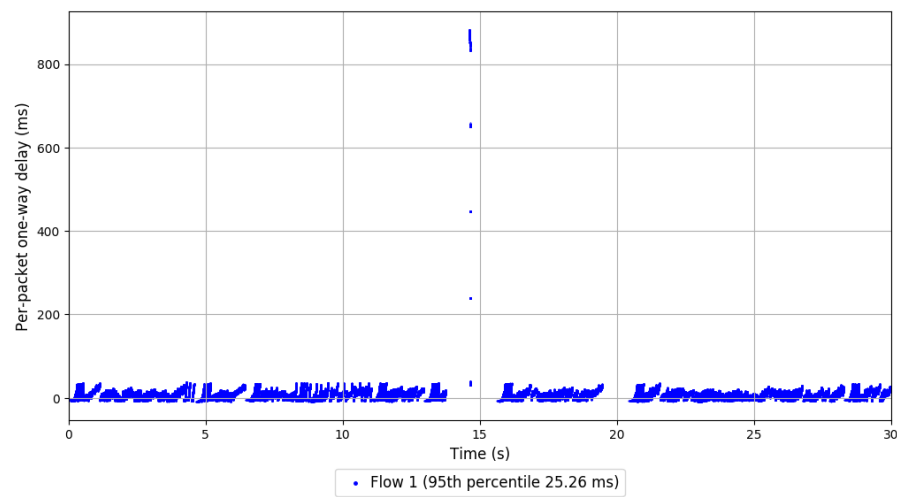
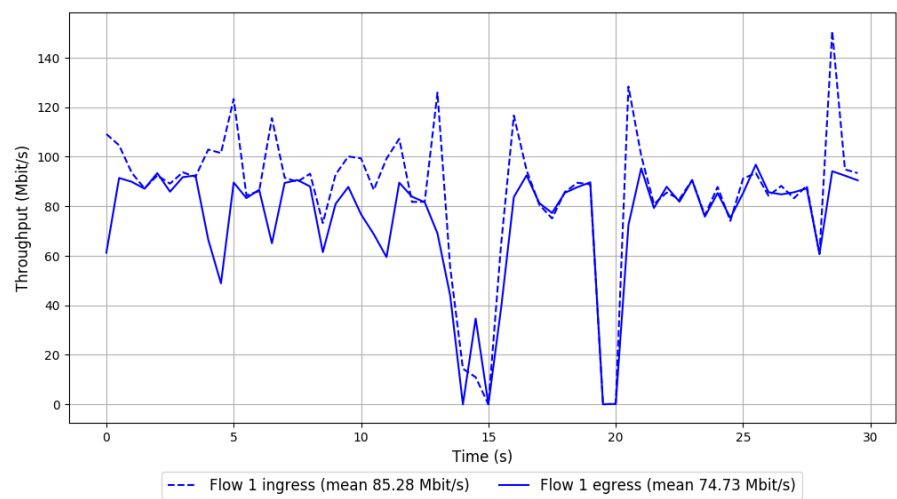


Run 8: Statistics of Verus

Start at: 2018-01-16 16:15:50
End at: 2018-01-16 16:16:20
Local clock offset: 1.886 ms
Remote clock offset: -21.386 ms

Below is generated by plot.py at 2018-01-16 17:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.73 Mbit/s
95th percentile per-packet one-way delay: 25.260 ms
Loss rate: 12.28%
-- Flow 1:
Average throughput: 74.73 Mbit/s
95th percentile per-packet one-way delay: 25.260 ms
Loss rate: 12.28%

Run 8: Report of Verus — Data Link

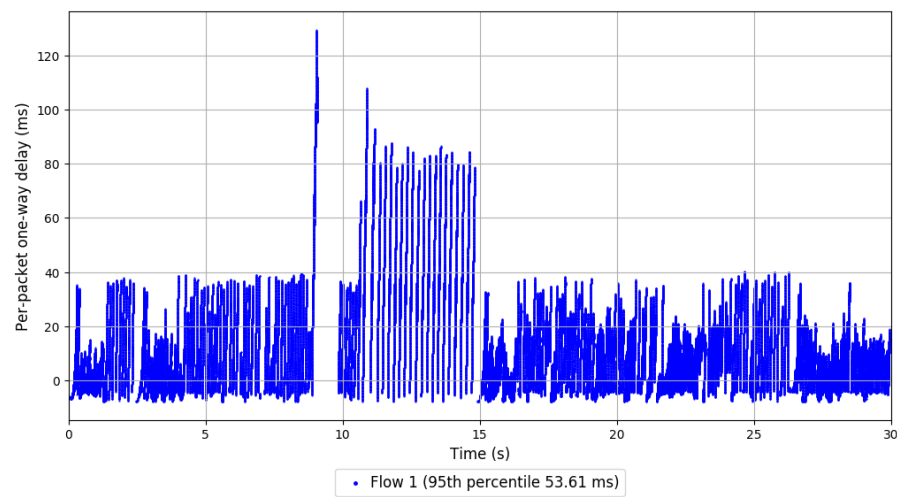
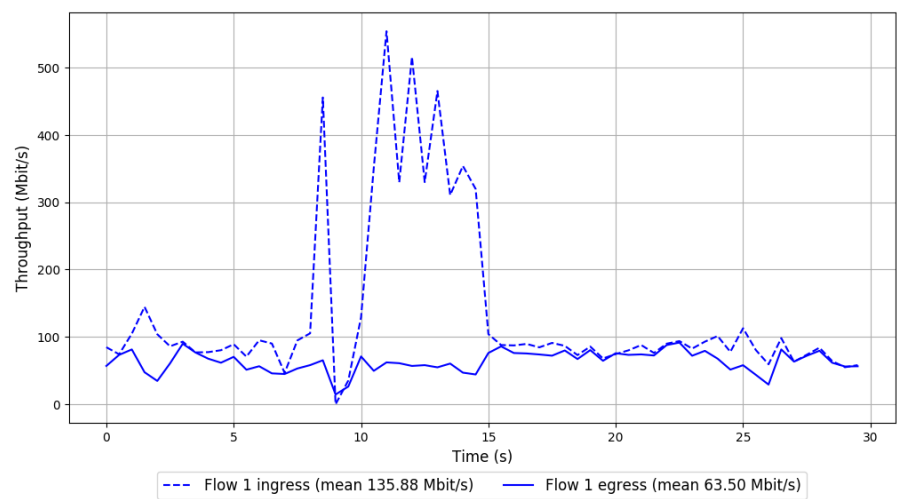


Run 9: Statistics of Verus

Start at: 2018-01-16 16:36:40
End at: 2018-01-16 16:37:10
Local clock offset: 0.45 ms
Remote clock offset: -21.374 ms

Below is generated by plot.py at 2018-01-16 17:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 53.608 ms
Loss rate: 53.23%
-- Flow 1:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 53.608 ms
Loss rate: 53.23%

Run 9: Report of Verus — Data Link

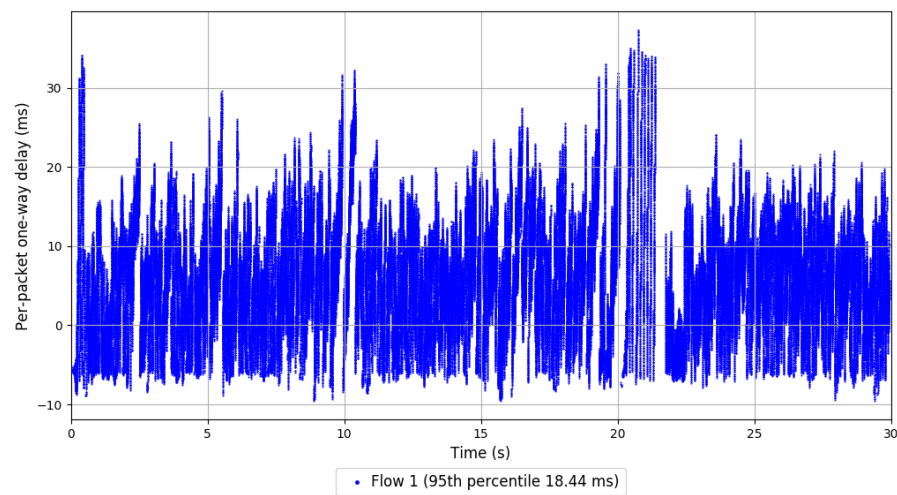
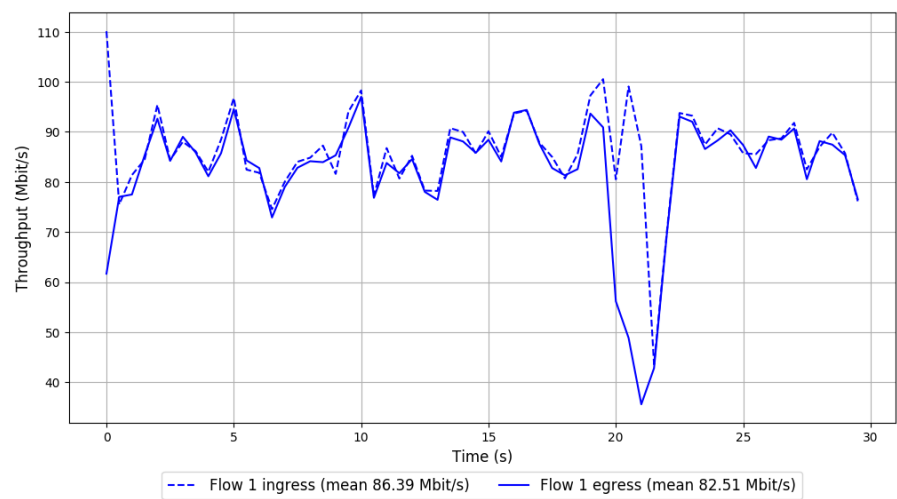


Run 10: Statistics of Verus

Start at: 2018-01-16 16:57:30
End at: 2018-01-16 16:58:00
Local clock offset: 1.184 ms
Remote clock offset: -22.836 ms

Below is generated by plot.py at 2018-01-16 17:51:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 18.438 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 18.438 ms
Loss rate: 4.44%

Run 10: Report of Verus — Data Link

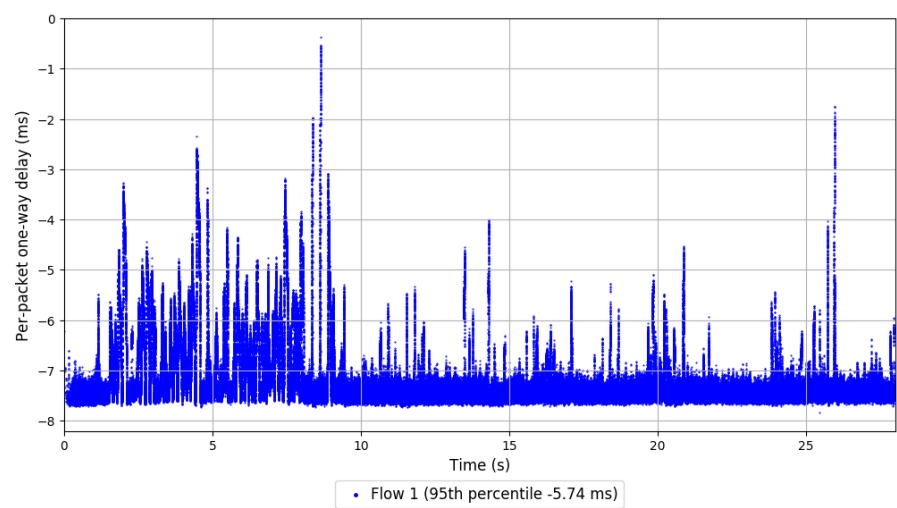
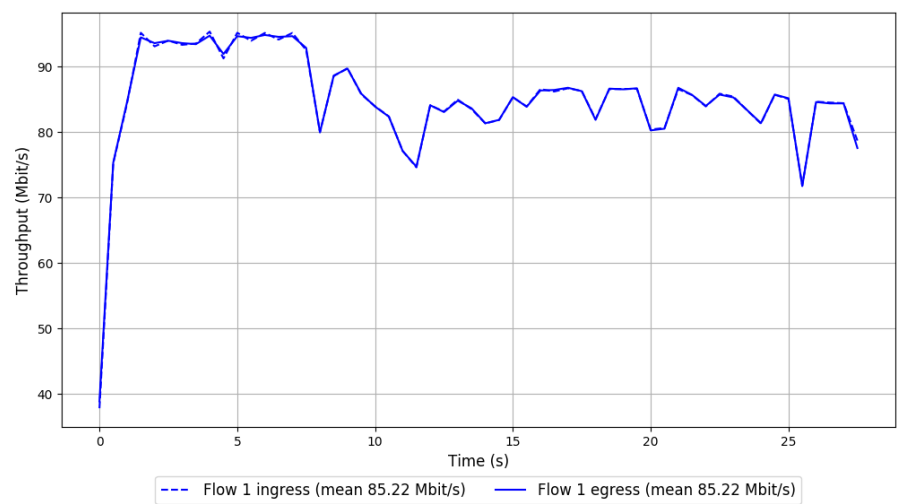


Run 1: Statistics of Copa

Start at: 2018-01-16 13:52:40
End at: 2018-01-16 13:53:10
Local clock offset: 1.767 ms
Remote clock offset: -16.788 ms

Below is generated by plot.py at 2018-01-16 17:52:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: -5.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: -5.736 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

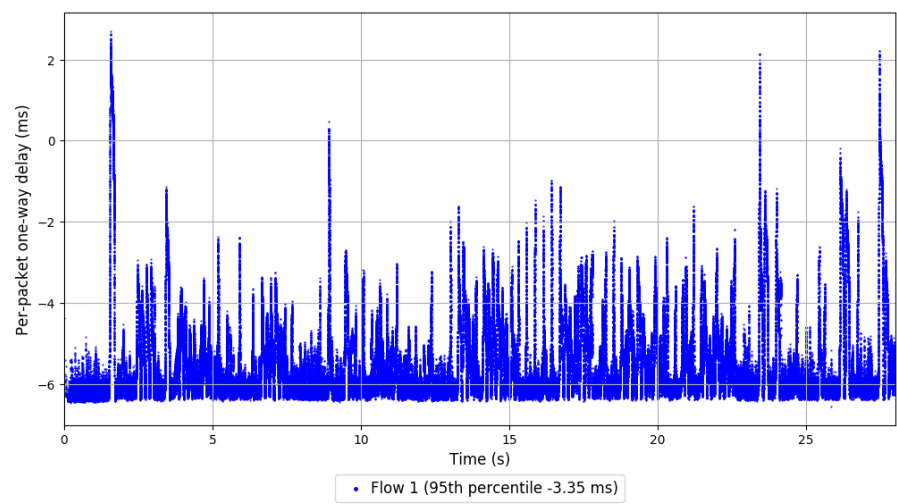
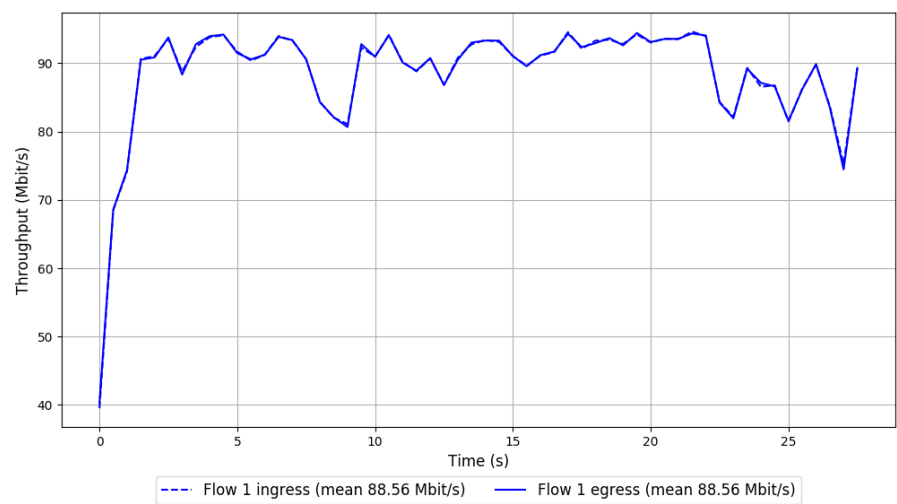


Run 2: Statistics of Copa

Start at: 2018-01-16 14:14:03
End at: 2018-01-16 14:14:33
Local clock offset: 1.228 ms
Remote clock offset: -17.668 ms

Below is generated by plot.py at 2018-01-16 17:52:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: -3.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: -3.351 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

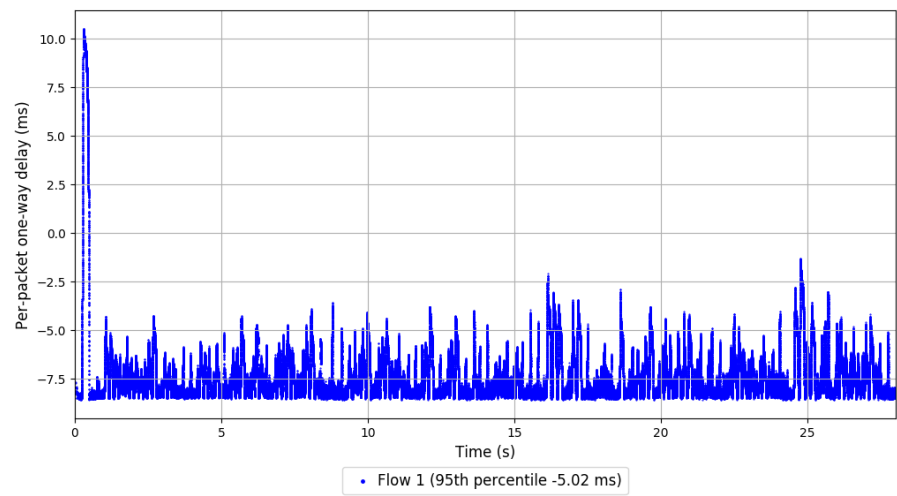
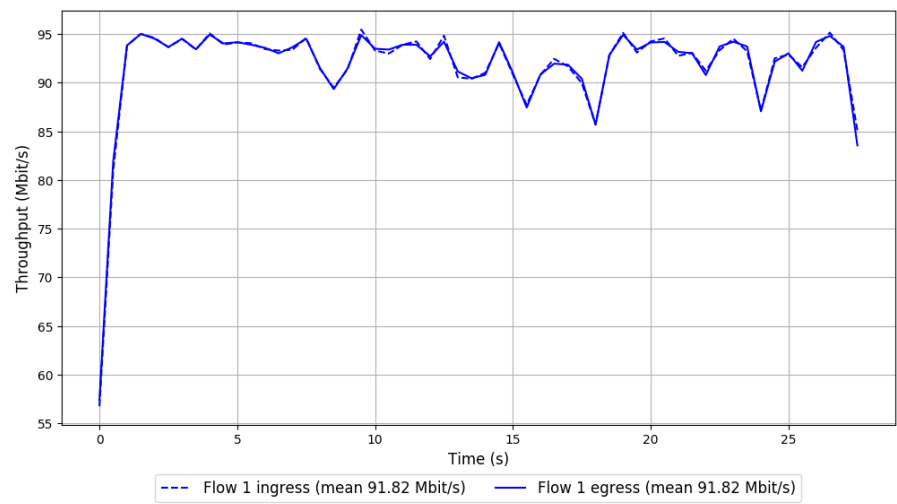


Run 3: Statistics of Copa

Start at: 2018-01-16 14:35:06
End at: 2018-01-16 14:35:36
Local clock offset: 4.295 ms
Remote clock offset: -16.552 ms

Below is generated by plot.py at 2018-01-16 17:53:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: -5.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: -5.022 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

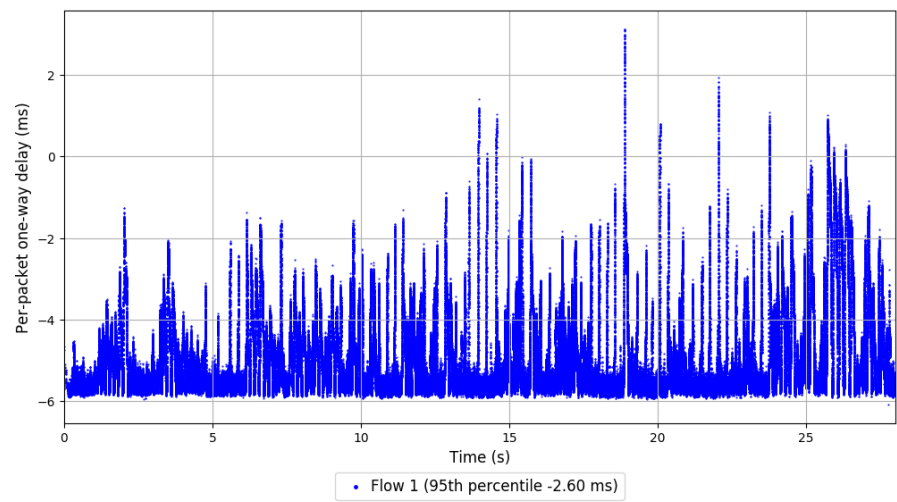
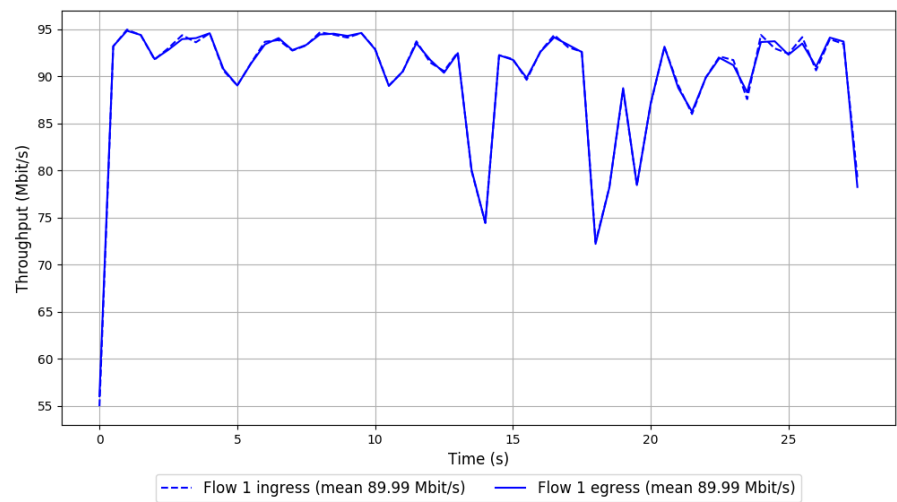


Run 4: Statistics of Copa

Start at: 2018-01-16 14:56:19
End at: 2018-01-16 14:56:49
Local clock offset: 0.365 ms
Remote clock offset: -17.19 ms

Below is generated by plot.py at 2018-01-16 17:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: -2.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: -2.599 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

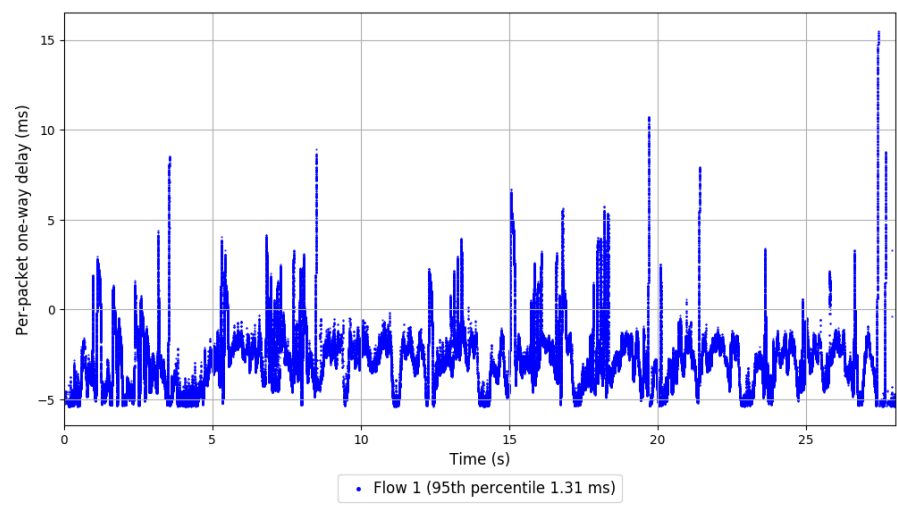
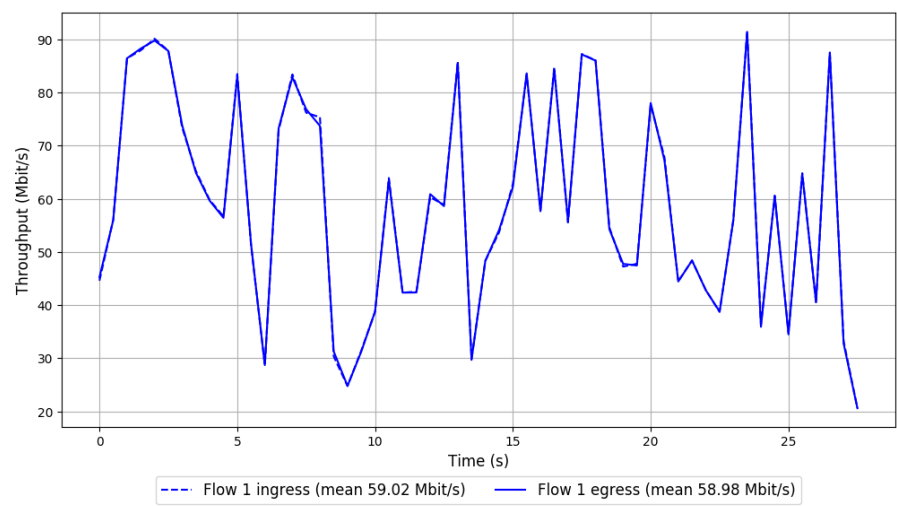


Run 5: Statistics of Copa

Start at: 2018-01-16 15:17:29
End at: 2018-01-16 15:17:59
Local clock offset: -0.009 ms
Remote clock offset: -17.62 ms

Below is generated by plot.py at 2018-01-16 17:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.08%

Run 5: Report of Copa — Data Link

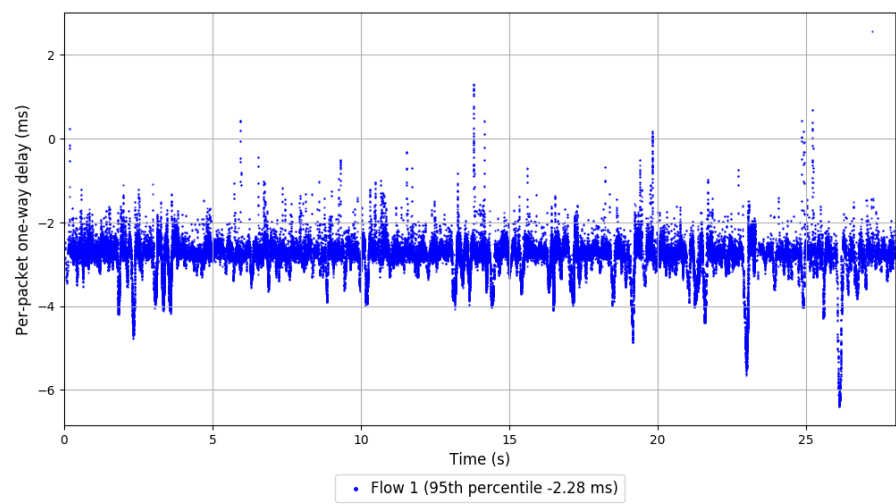
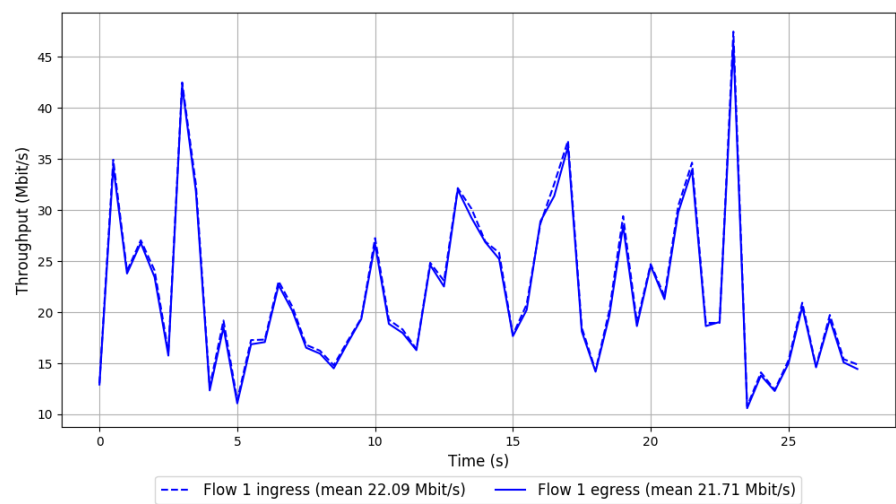


Run 6: Statistics of Copa

Start at: 2018-01-16 15:38:36
End at: 2018-01-16 15:39:06
Local clock offset: 0.781 ms
Remote clock offset: -18.389 ms

Below is generated by plot.py at 2018-01-16 17:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: -2.279 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: -2.279 ms
Loss rate: 1.74%

Run 6: Report of Copa — Data Link

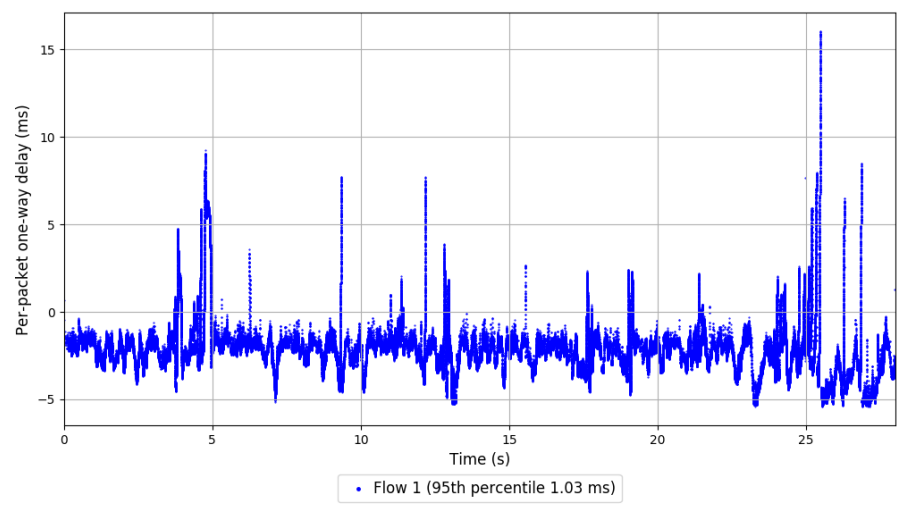
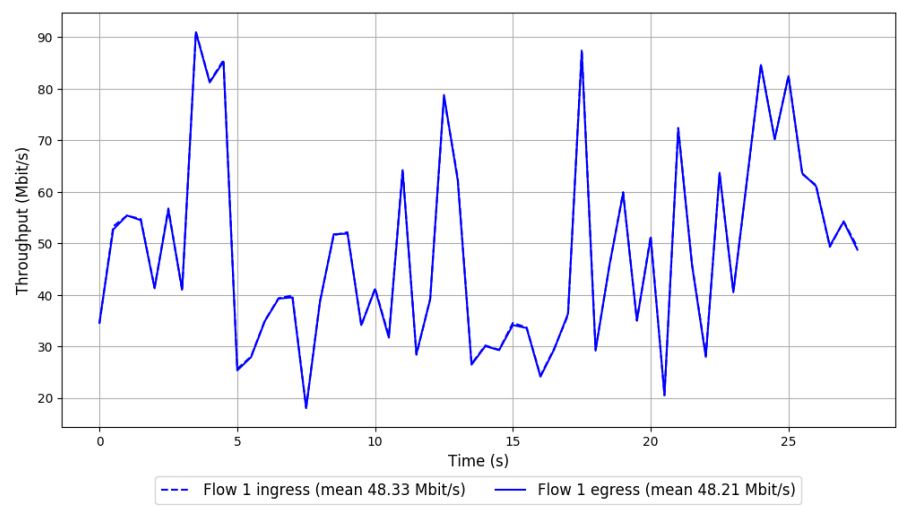


Run 7: Statistics of Copa

Start at: 2018-01-16 15:59:29
End at: 2018-01-16 15:59:59
Local clock offset: -0.34 ms
Remote clock offset: -19.141 ms

Below is generated by plot.py at 2018-01-16 17:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.24%

Run 7: Report of Copa — Data Link

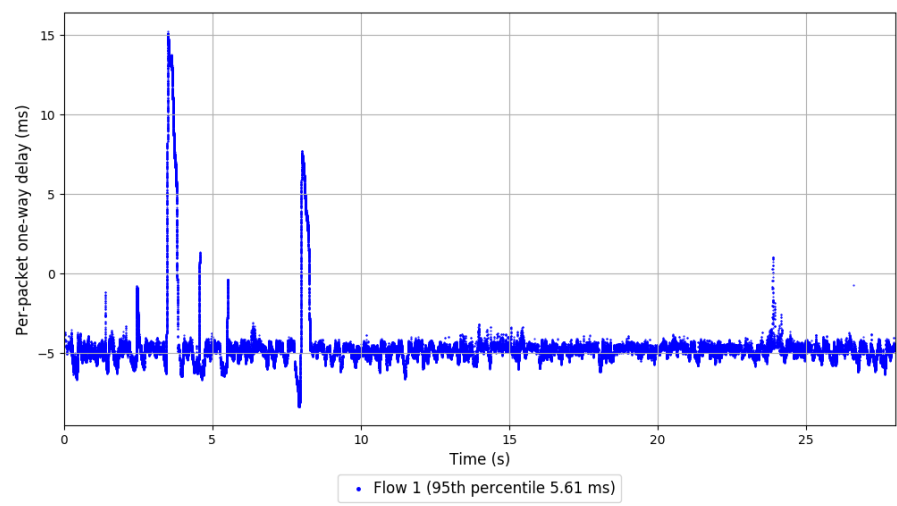
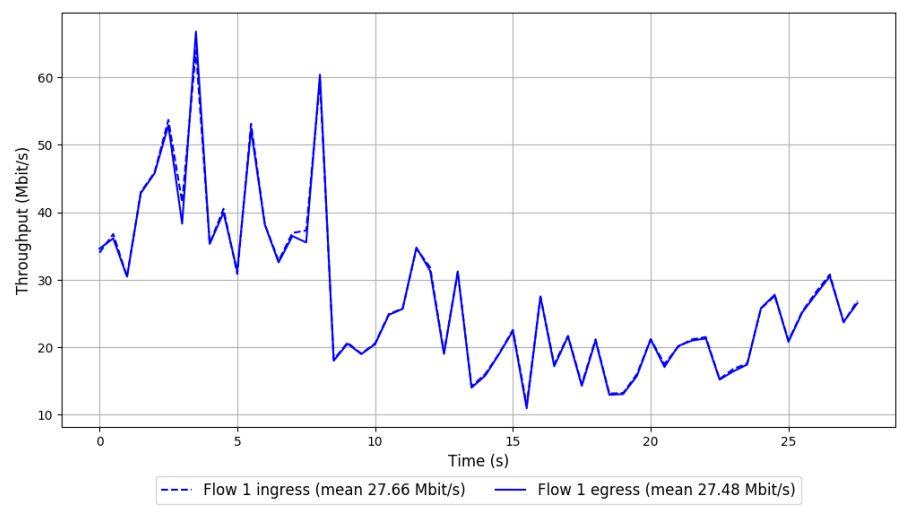


Run 8: Statistics of Copa

Start at: 2018-01-16 16:20:28
End at: 2018-01-16 16:20:58
Local clock offset: 0.96 ms
Remote clock offset: -21.381 ms

Below is generated by plot.py at 2018-01-16 17:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.48 Mbit/s
95th percentile per-packet one-way delay: 5.612 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 27.48 Mbit/s
95th percentile per-packet one-way delay: 5.612 ms
Loss rate: 0.66%

Run 8: Report of Copa — Data Link

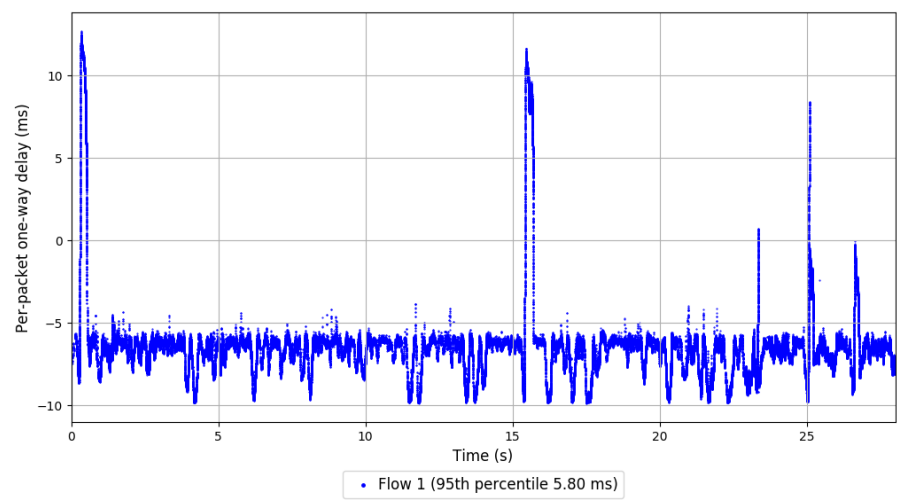
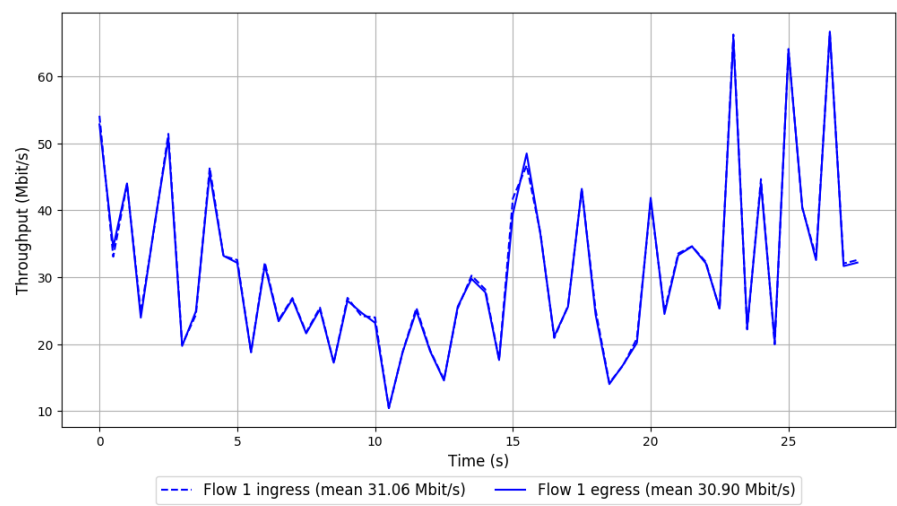


Run 9: Statistics of Copa

Start at: 2018-01-16 16:41:20
End at: 2018-01-16 16:41:50
Local clock offset: 2.36 ms
Remote clock offset: -21.614 ms

Below is generated by plot.py at 2018-01-16 17:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 5.798 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 5.798 ms
Loss rate: 0.53%

Run 9: Report of Copa — Data Link

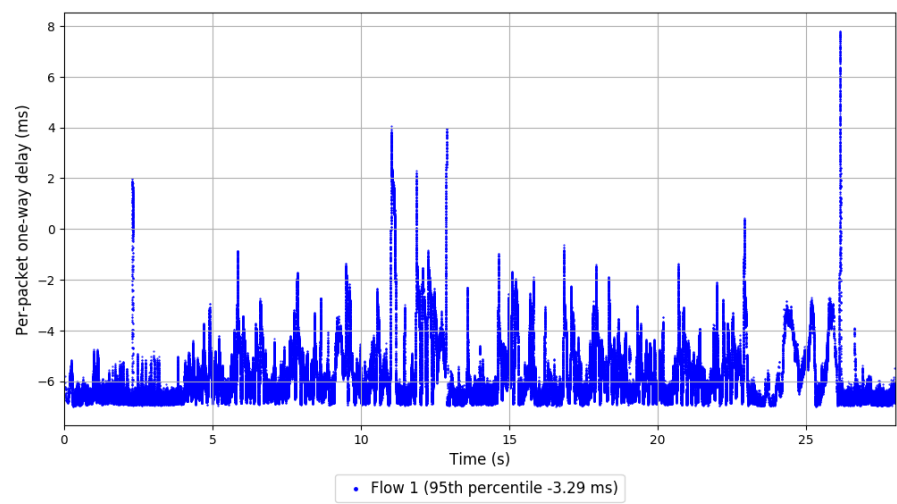
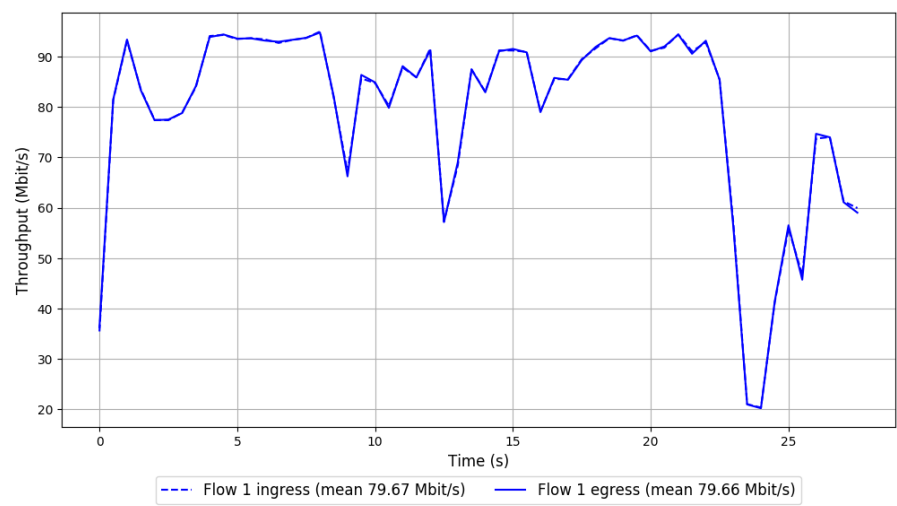


Run 10: Statistics of Copa

Start at: 2018-01-16 17:02:06
End at: 2018-01-16 17:02:36
Local clock offset: 0.041 ms
Remote clock offset: -21.315 ms

Below is generated by plot.py at 2018-01-16 17:54:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.66 Mbit/s
95th percentile per-packet one-way delay: -3.291 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.66 Mbit/s
95th percentile per-packet one-way delay: -3.291 ms
Loss rate: 0.01%

Run 10: Report of Copa — Data Link

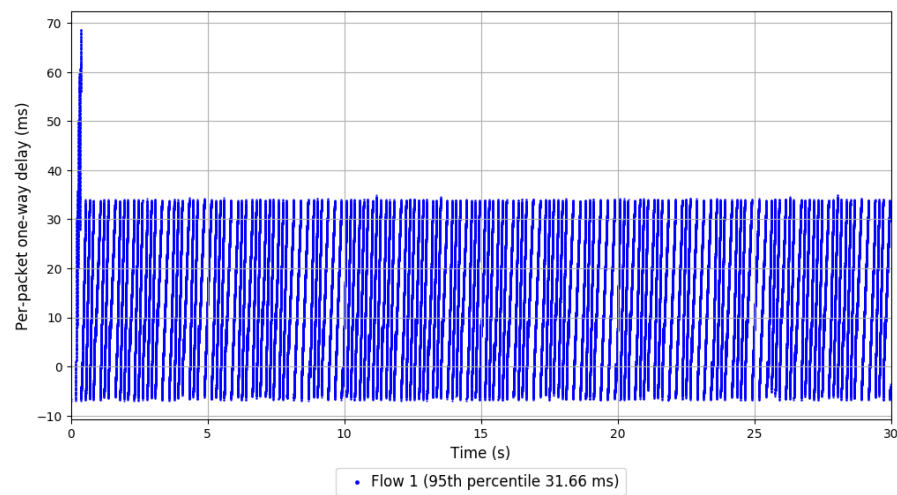
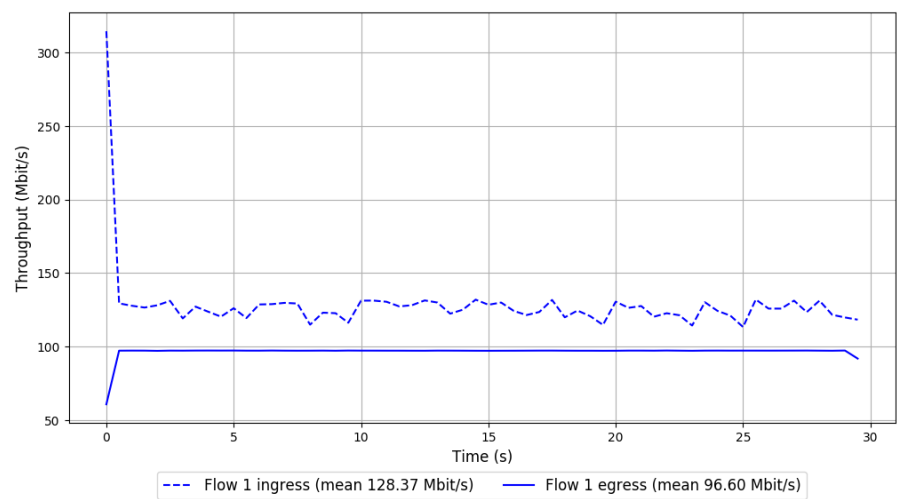


Run 1: Statistics of FillP

Start at: 2018-01-16 13:36:17
End at: 2018-01-16 13:36:47
Local clock offset: 1.583 ms
Remote clock offset: -14.907 ms

Below is generated by plot.py at 2018-01-16 17:54:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 31.662 ms
Loss rate: 24.75%
-- Flow 1:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 31.662 ms
Loss rate: 24.75%

Run 1: Report of FillP — Data Link

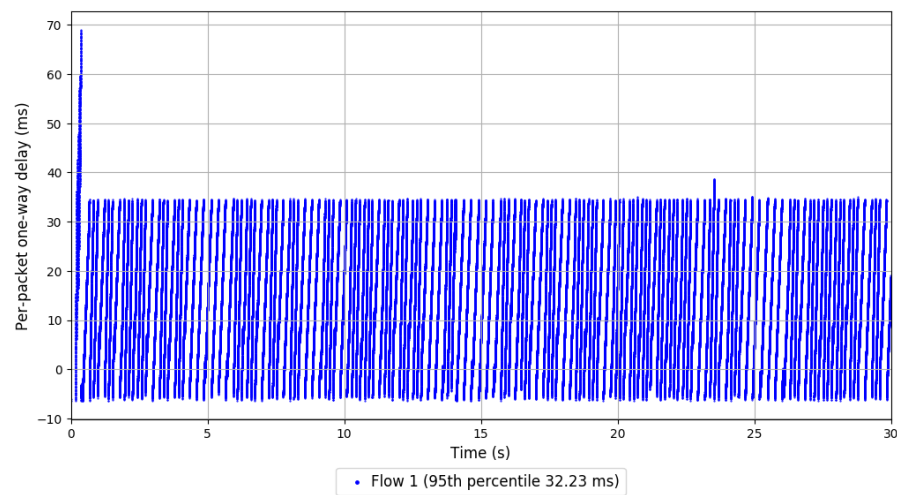
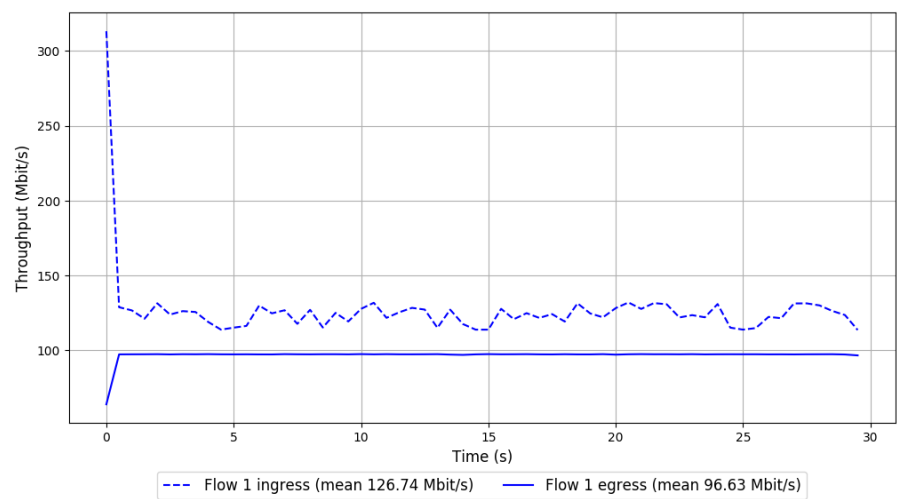


Run 2: Statistics of FillP

Start at: 2018-01-16 13:57:22
End at: 2018-01-16 13:57:52
Local clock offset: 2.166 ms
Remote clock offset: -15.498 ms

Below is generated by plot.py at 2018-01-16 17:54:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 32.233 ms
Loss rate: 23.69%
-- Flow 1:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 32.233 ms
Loss rate: 23.69%

Run 2: Report of FillP — Data Link

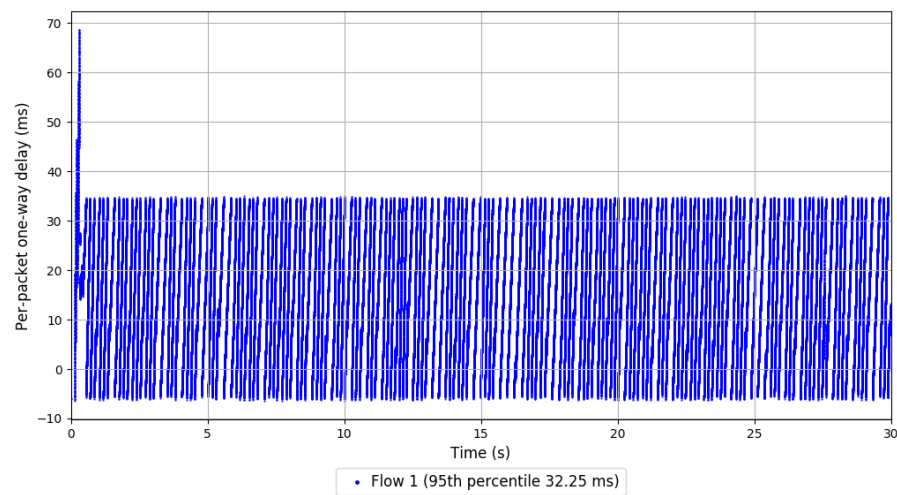
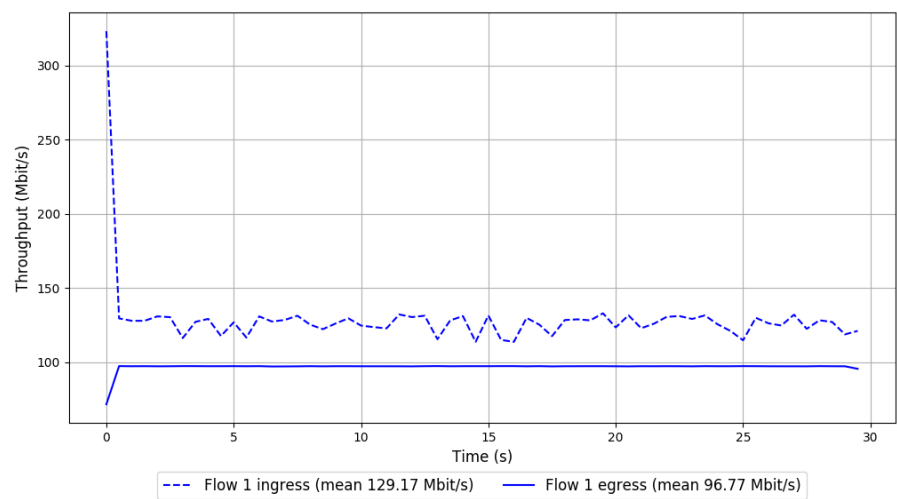


Run 3: Statistics of FillP

Start at: 2018-01-16 14:18:40
End at: 2018-01-16 14:19:10
Local clock offset: 0.445 ms
Remote clock offset: -18.613 ms

Below is generated by plot.py at 2018-01-16 17:54:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 32.253 ms
Loss rate: 25.03%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 32.253 ms
Loss rate: 25.03%

Run 3: Report of FillP — Data Link

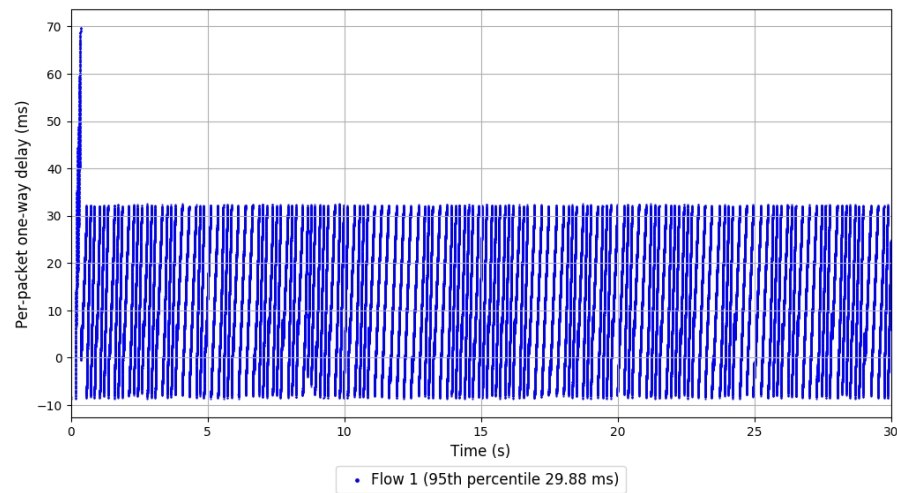
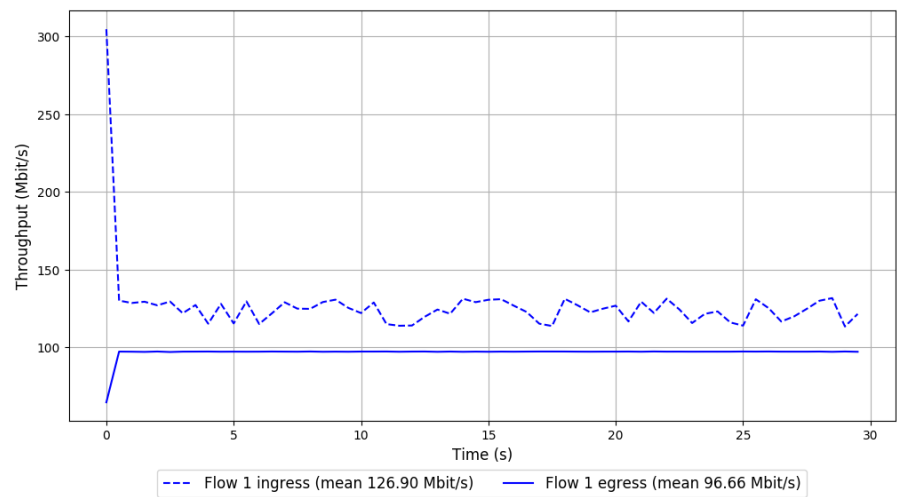


Run 4: Statistics of FillP

Start at: 2018-01-16 14:39:45
End at: 2018-01-16 14:40:15
Local clock offset: 3.962 ms
Remote clock offset: -16.938 ms

Below is generated by plot.py at 2018-01-16 17:54:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 29.877 ms
Loss rate: 23.75%
-- Flow 1:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 29.877 ms
Loss rate: 23.75%

Run 4: Report of FillP — Data Link

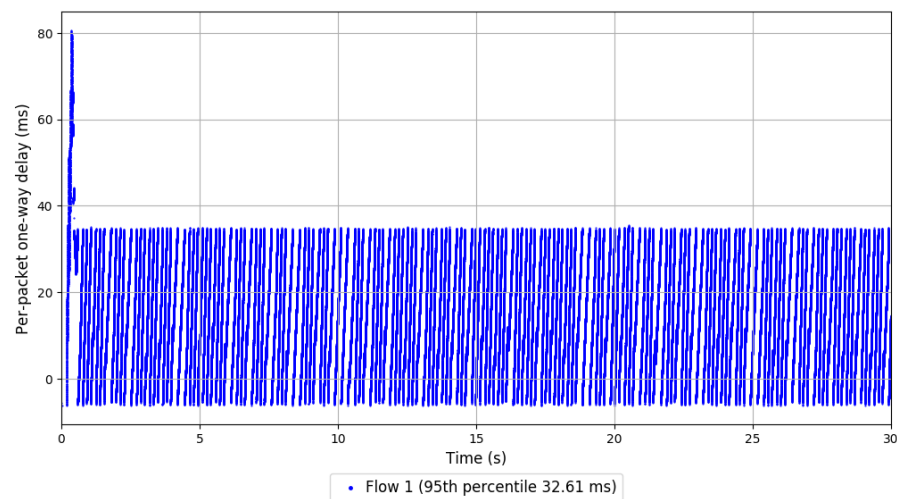
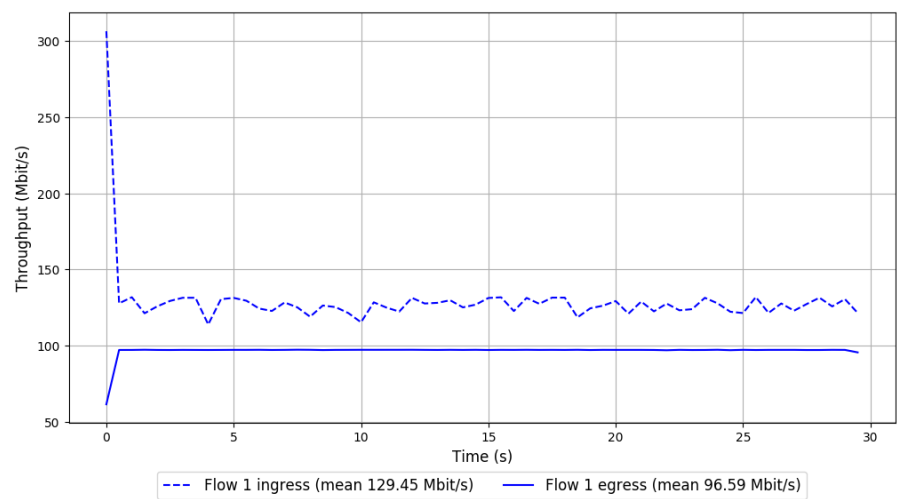


Run 5: Statistics of FillP

Start at: 2018-01-16 15:00:54
End at: 2018-01-16 15:01:24
Local clock offset: 2.399 ms
Remote clock offset: -15.551 ms

Below is generated by plot.py at 2018-01-16 17:54:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 32.612 ms
Loss rate: 25.34%
-- Flow 1:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 32.612 ms
Loss rate: 25.34%

Run 5: Report of FillP — Data Link

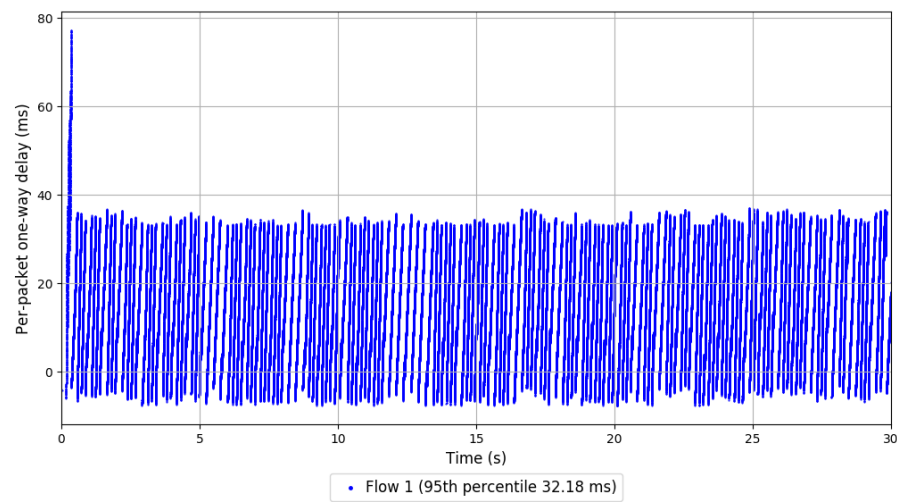
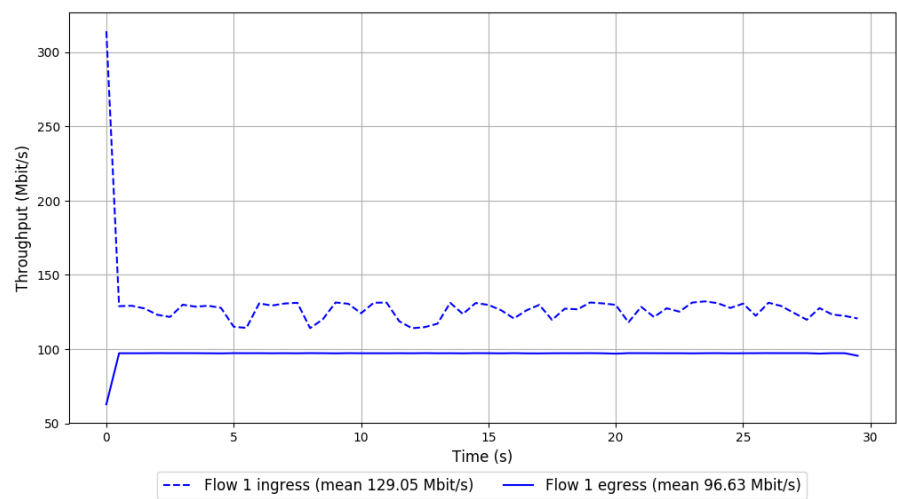


Run 6: Statistics of FillP

Start at: 2018-01-16 15:22:05
End at: 2018-01-16 15:22:35
Local clock offset: 2.894 ms
Remote clock offset: -17.15 ms

Below is generated by plot.py at 2018-01-16 17:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 32.183 ms
Loss rate: 25.06%
-- Flow 1:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 32.183 ms
Loss rate: 25.06%

Run 6: Report of FillP — Data Link

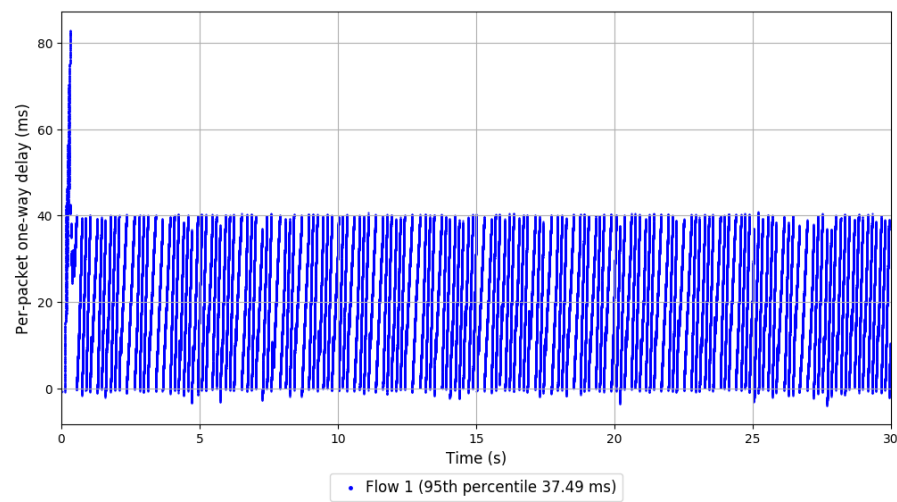
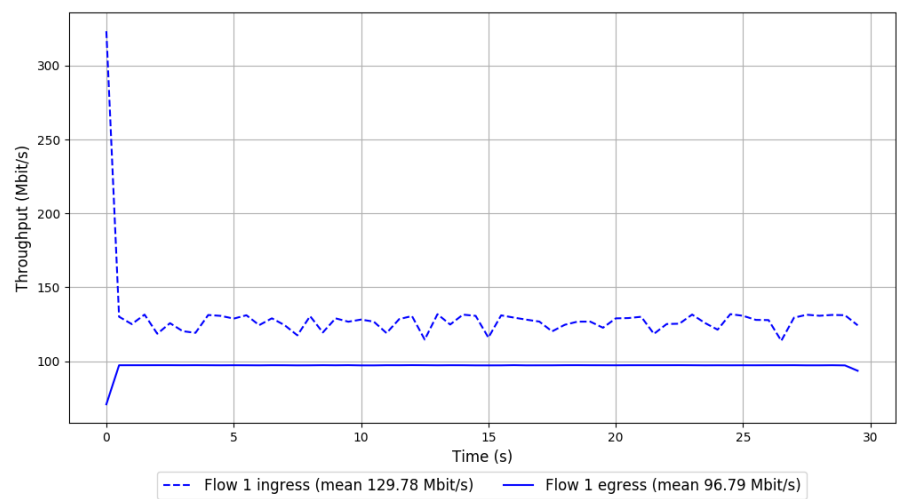


Run 7: Statistics of FillP

Start at: 2018-01-16 15:43:15
End at: 2018-01-16 15:43:45
Local clock offset: -0.397 ms
Remote clock offset: -17.646 ms

Below is generated by plot.py at 2018-01-16 17:54:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 37.493 ms
Loss rate: 25.39%
-- Flow 1:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 37.493 ms
Loss rate: 25.39%

Run 7: Report of FillP — Data Link

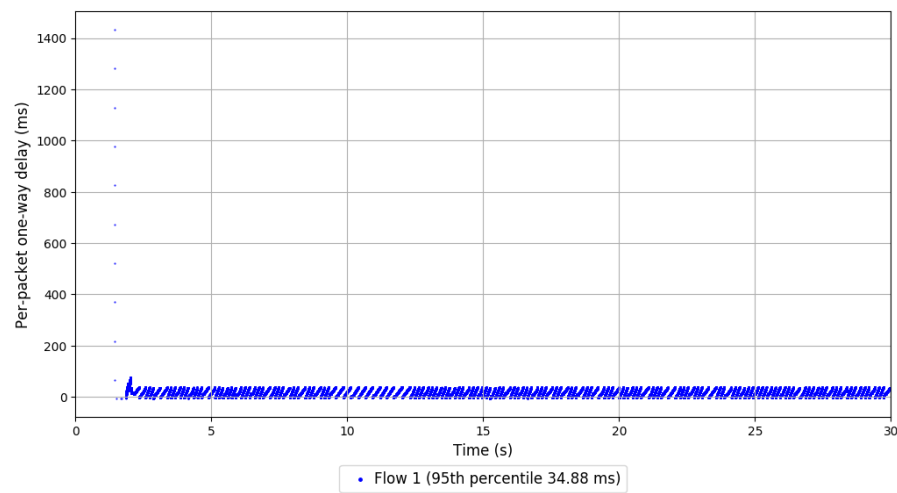
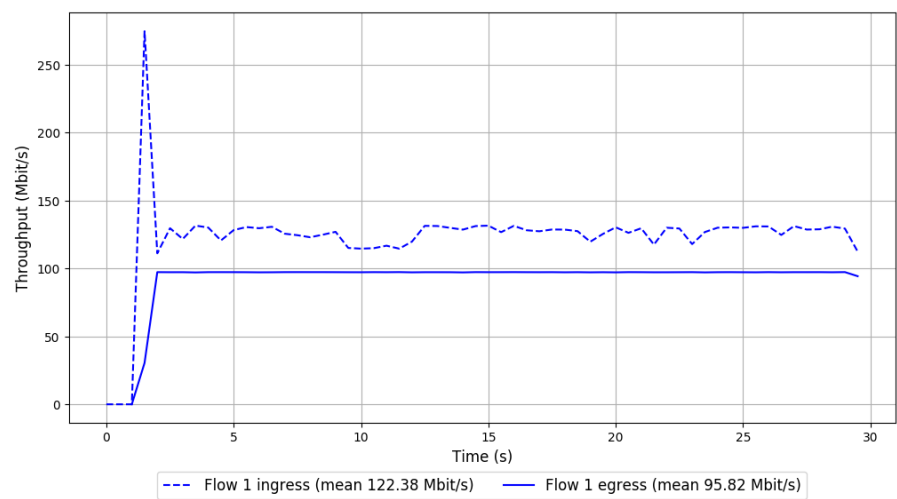


Run 8: Statistics of FillP

Start at: 2018-01-16 16:04:05
End at: 2018-01-16 16:04:35
Local clock offset: 0.216 ms
Remote clock offset: -20.233 ms

Below is generated by plot.py at 2018-01-16 17:55:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 34.875 ms
Loss rate: 25.35%
-- Flow 1:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 34.875 ms
Loss rate: 25.35%

Run 8: Report of FillP — Data Link

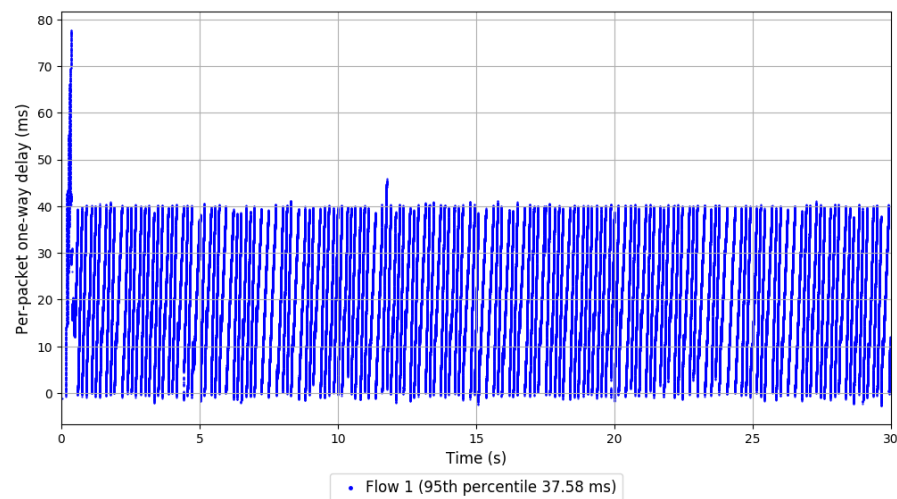
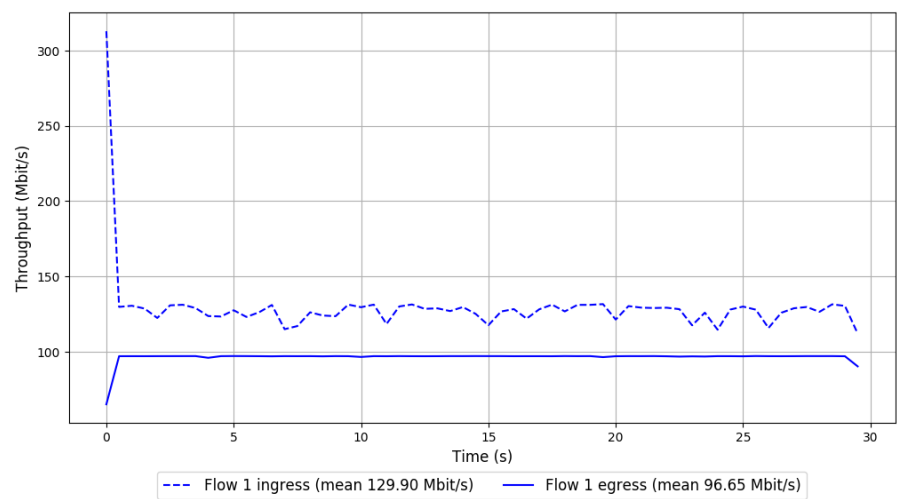


Run 9: Statistics of FillP

Start at: 2018-01-16 16:25:00
End at: 2018-01-16 16:25:30
Local clock offset: -0.726 ms
Remote clock offset: -19.122 ms

Below is generated by plot.py at 2018-01-16 17:55:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 37.580 ms
Loss rate: 25.56%
-- Flow 1:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 37.580 ms
Loss rate: 25.56%

Run 9: Report of FillP — Data Link

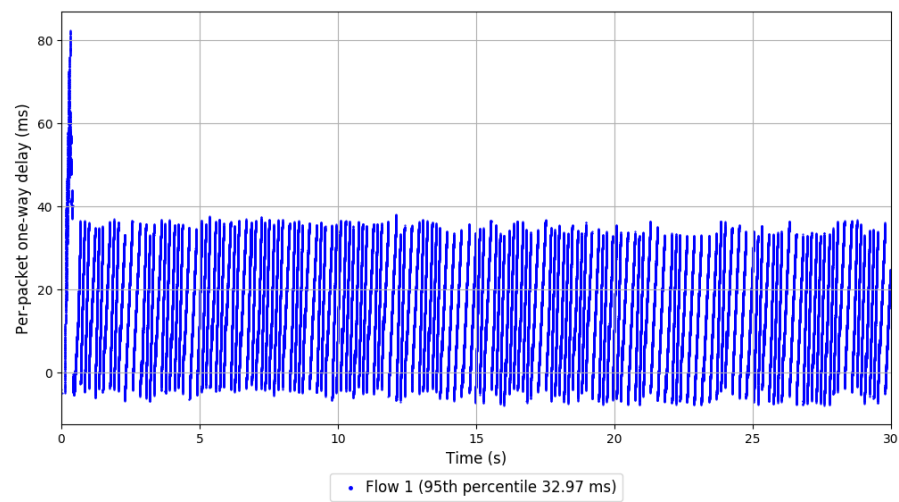
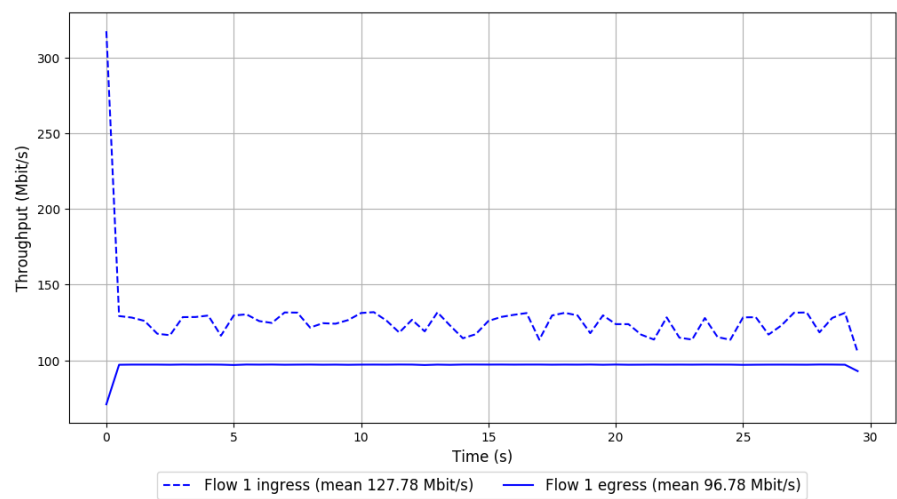


Run 10: Statistics of FillP

Start at: 2018-01-16 16:45:53
End at: 2018-01-16 16:46:23
Local clock offset: 1.627 ms
Remote clock offset: -20.564 ms

Below is generated by plot.py at 2018-01-16 17:56:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 32.969 ms
Loss rate: 24.19%
-- Flow 1:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 32.969 ms
Loss rate: 24.19%

Run 10: Report of FillP — Data Link

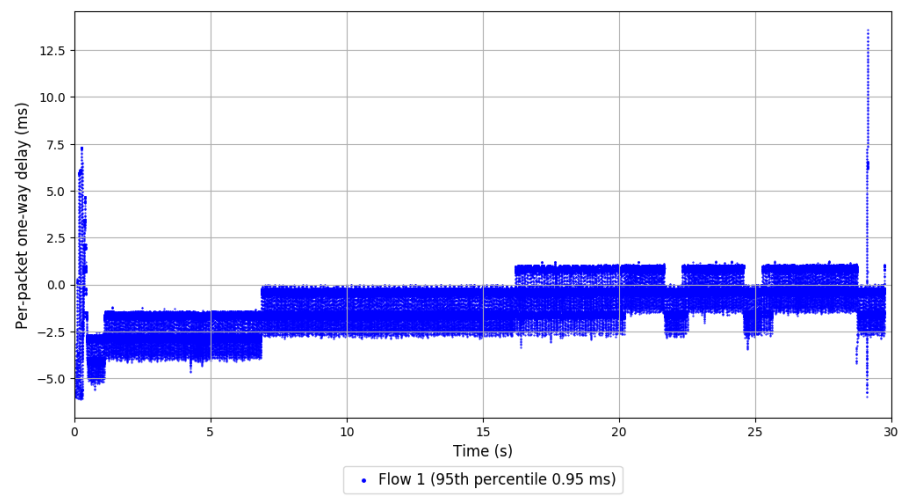
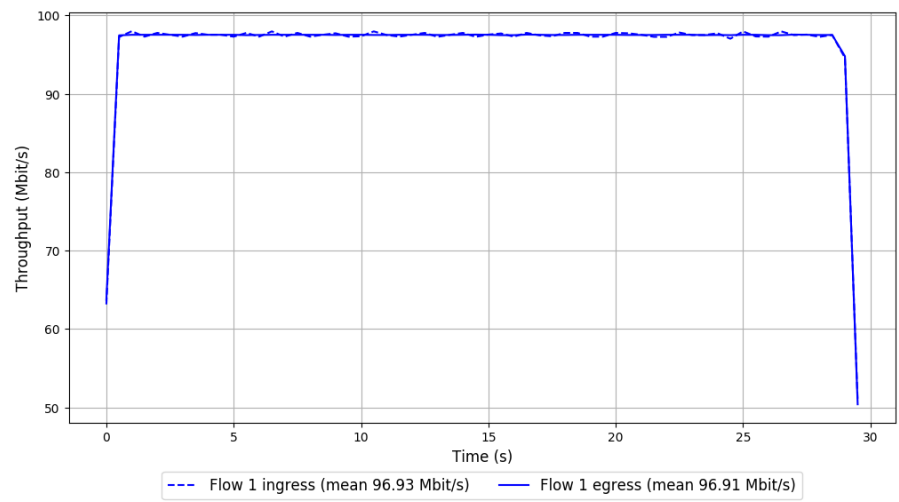


```
Run 1: Statistics of Indigo

Start at: 2018-01-16 13:37:25
End at: 2018-01-16 13:37:55
Local clock offset: 0.019 ms
Remote clock offset: -15.739 ms

# Below is generated by plot.py at 2018-01-16 17:56:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 0.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 0.954 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

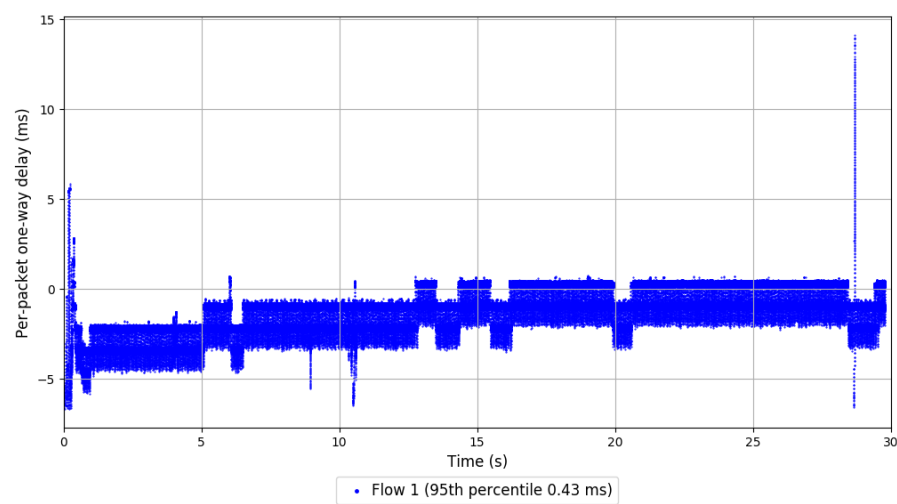
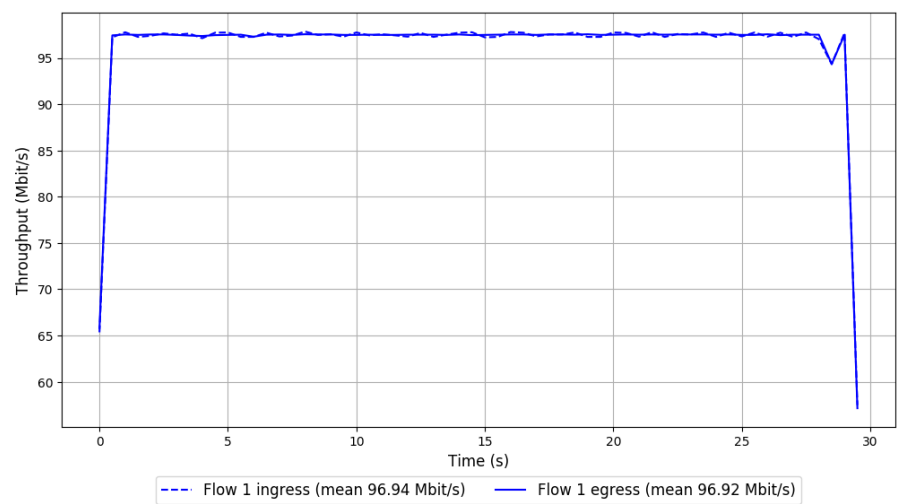


Run 2: Statistics of Indigo

Start at: 2018-01-16 13:58:30
End at: 2018-01-16 13:59:00
Local clock offset: 0.698 ms
Remote clock offset: -17.265 ms

Below is generated by plot.py at 2018-01-16 17:56:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 0.426 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 0.426 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

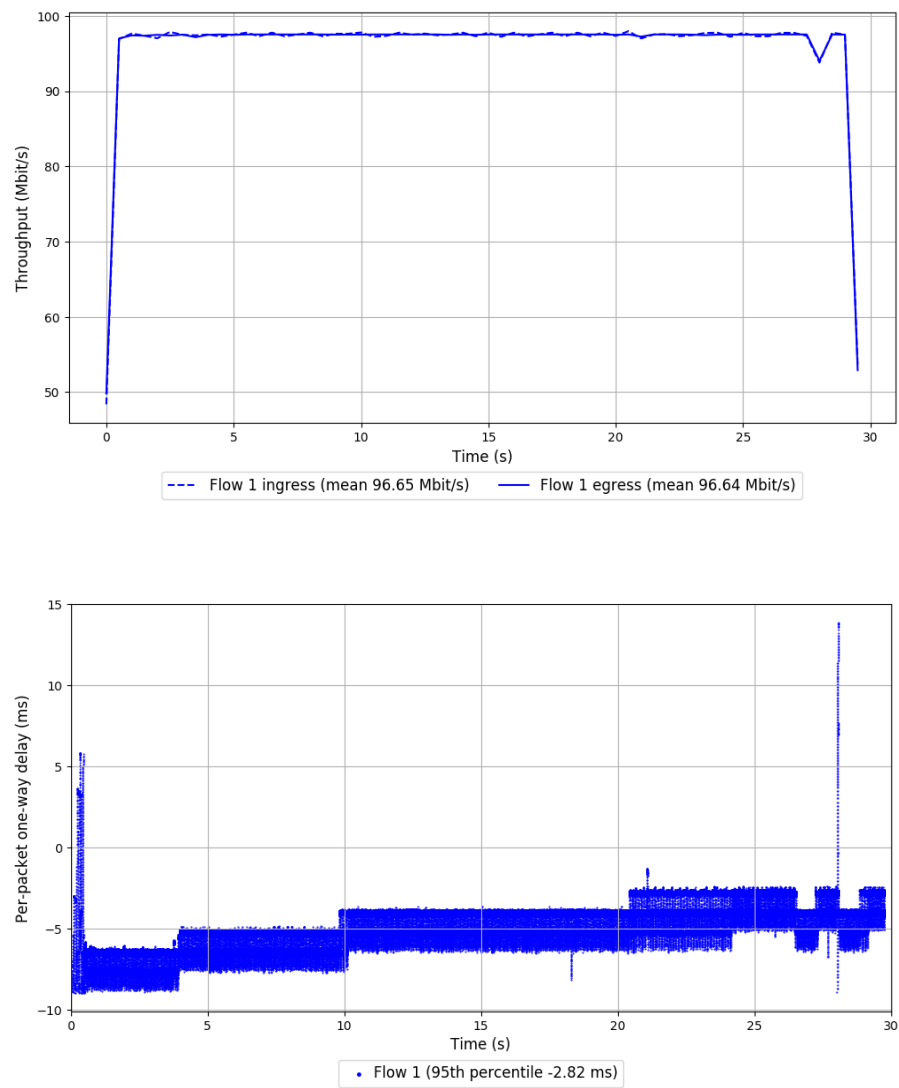


Run 3: Statistics of Indigo

Start at: 2018-01-16 14:19:51
End at: 2018-01-16 14:20:21
Local clock offset: 3.574 ms
Remote clock offset: -17.995 ms

Below is generated by plot.py at 2018-01-16 17:56:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: -2.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: -2.823 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

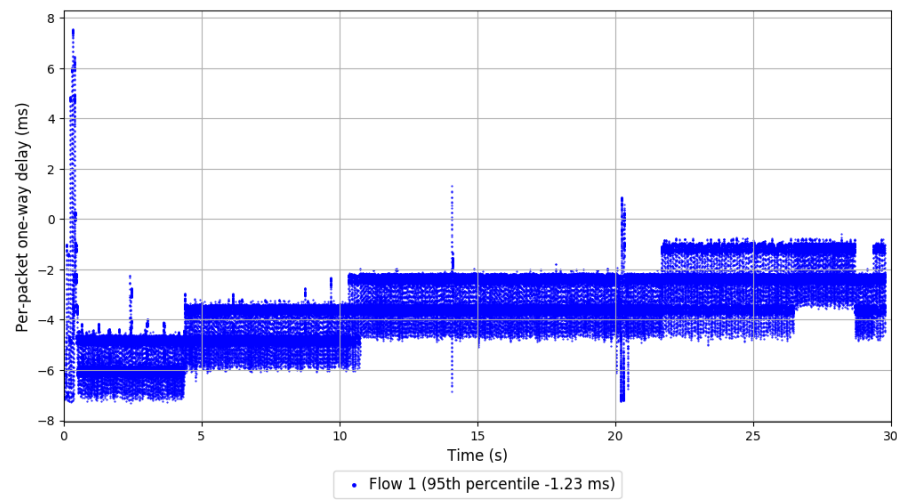
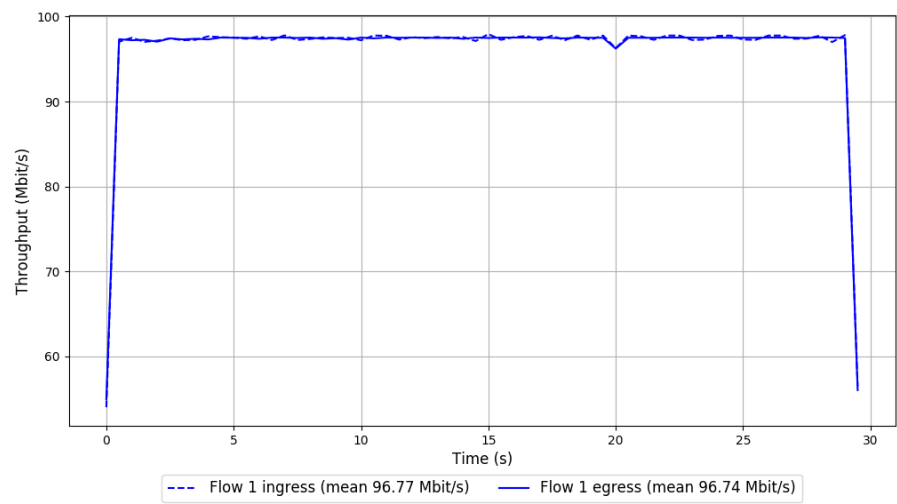


Run 4: Statistics of Indigo

Start at: 2018-01-16 14:40:54
End at: 2018-01-16 14:41:24
Local clock offset: 3.785 ms
Remote clock offset: -15.651 ms

Below is generated by plot.py at 2018-01-16 17:56:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: -1.230 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: -1.230 ms
Loss rate: 0.01%

Run 4: Report of Indigo — Data Link

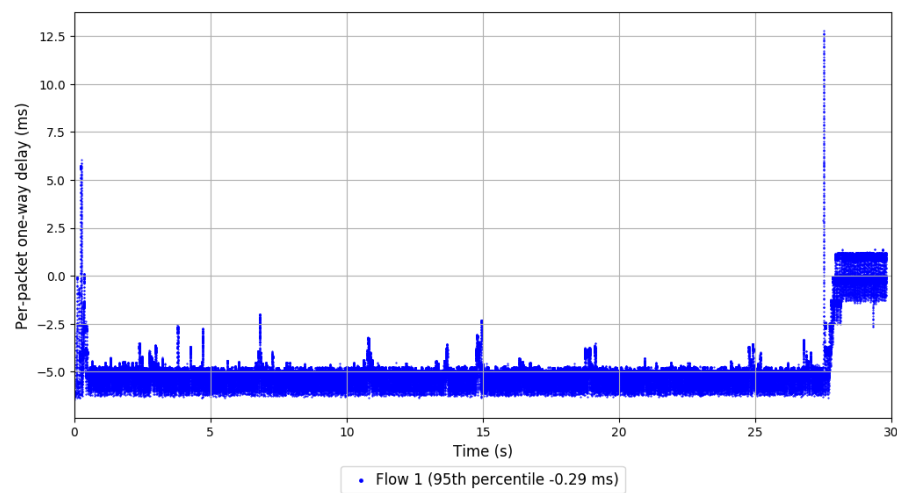
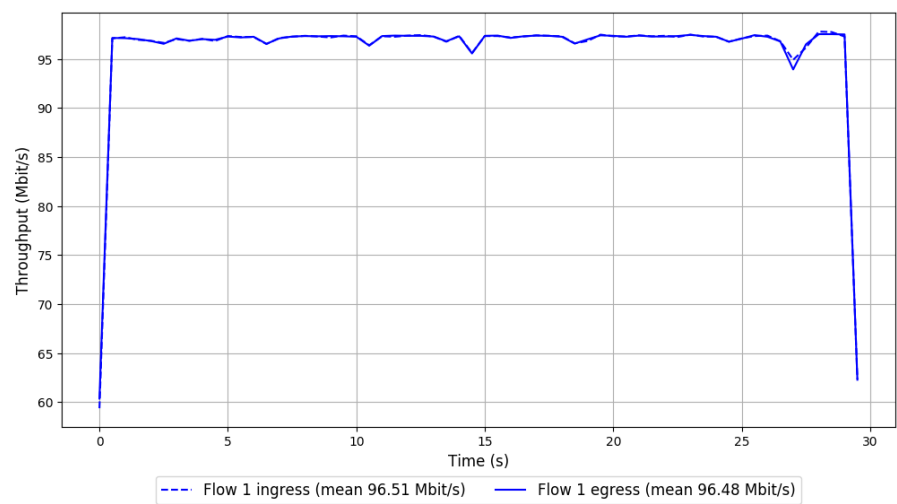


Run 5: Statistics of Indigo

Start at: 2018-01-16 15:02:04
End at: 2018-01-16 15:02:34
Local clock offset: 0.881 ms
Remote clock offset: -17.305 ms

Below is generated by plot.py at 2018-01-16 17:56:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: -0.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: -0.286 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

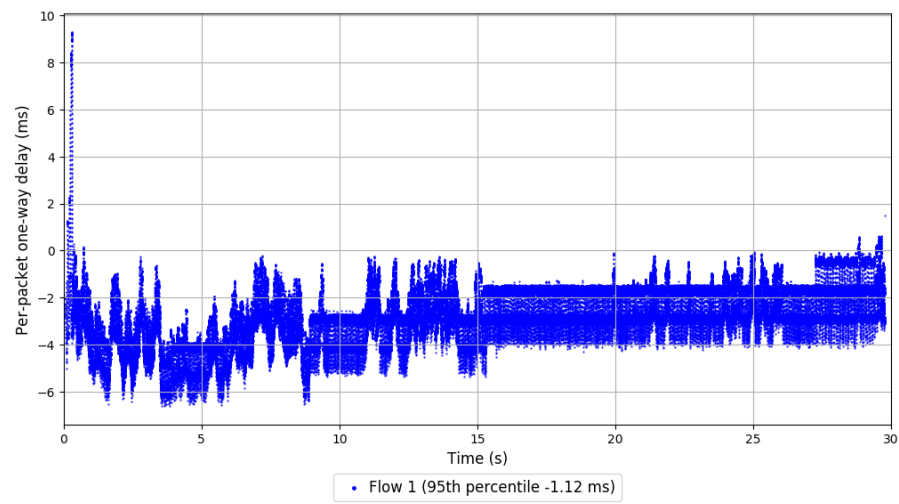
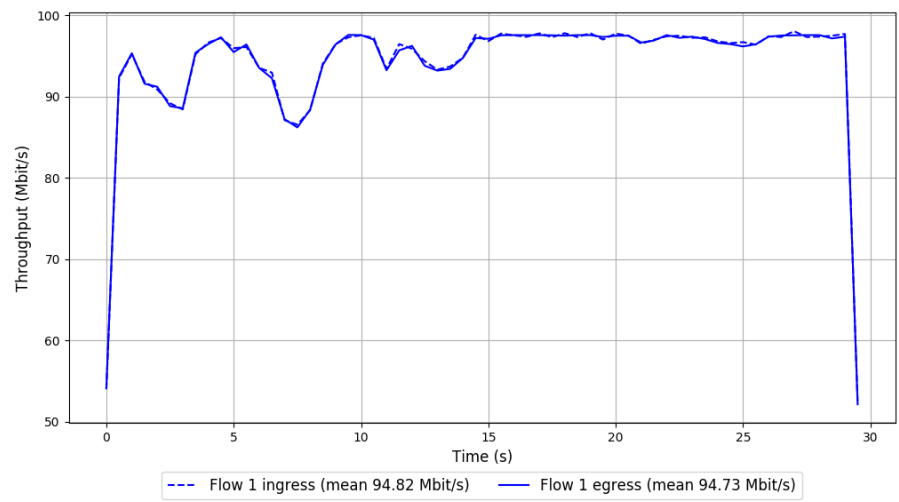


Run 6: Statistics of Indigo

Start at: 2018-01-16 15:23:16
End at: 2018-01-16 15:23:46
Local clock offset: 1.655 ms
Remote clock offset: -17.282 ms

Below is generated by plot.py at 2018-01-16 17:57:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: -1.124 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: -1.124 ms
Loss rate: 0.07%

Run 6: Report of Indigo — Data Link

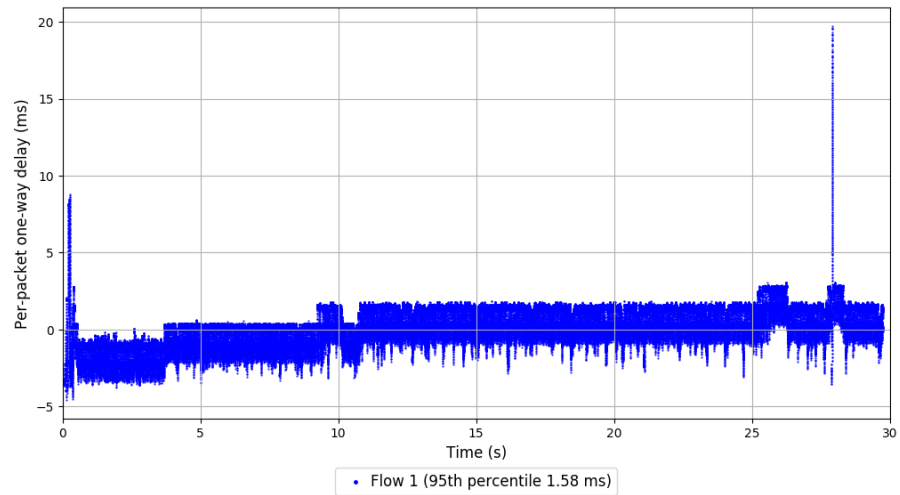
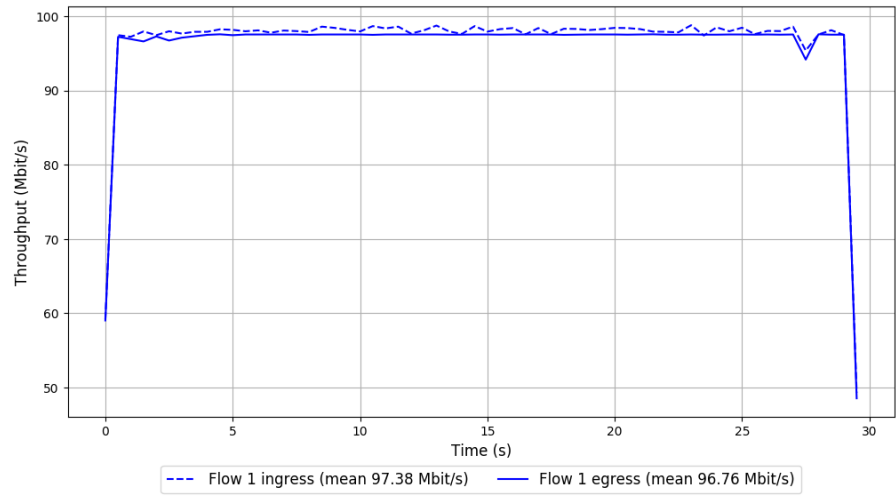


Run 7: Statistics of Indigo

Start at: 2018-01-16 15:44:26
End at: 2018-01-16 15:44:56
Local clock offset: 0.685 ms
Remote clock offset: -19.469 ms

Below is generated by plot.py at 2018-01-16 17:57:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 1.577 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 1.577 ms
Loss rate: 0.62%

Run 7: Report of Indigo — Data Link

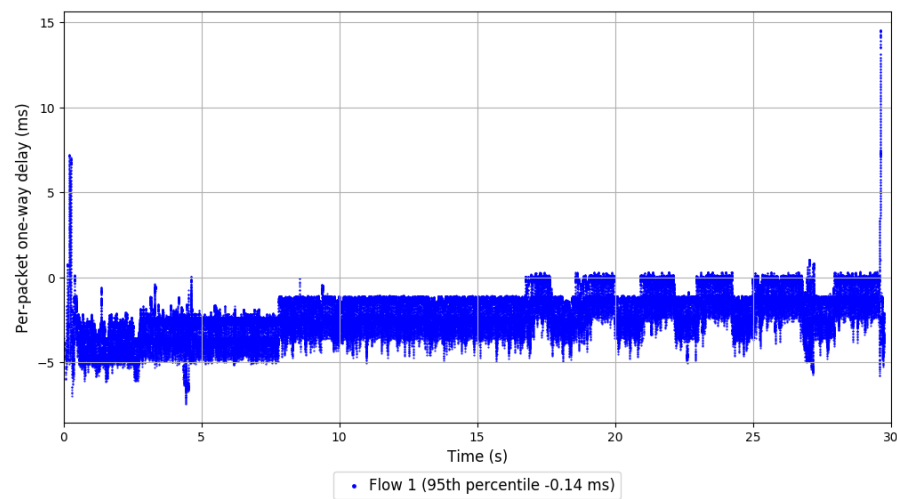
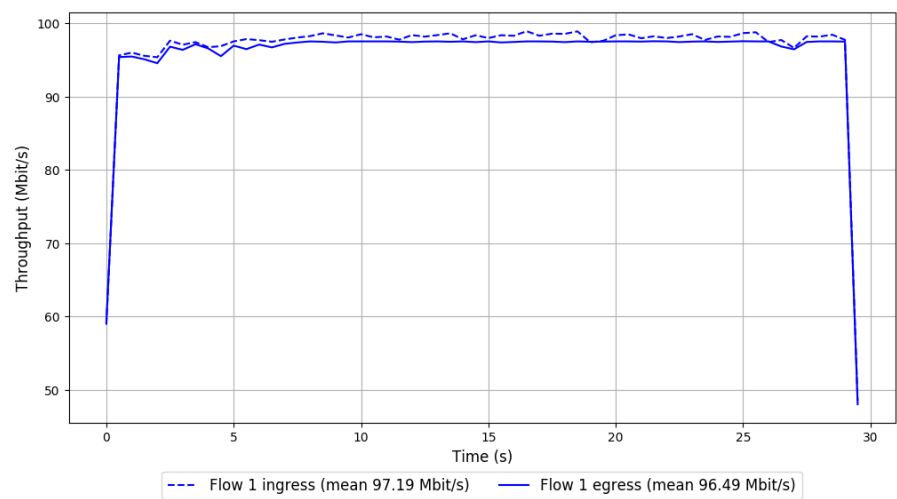


Run 8: Statistics of Indigo

Start at: 2018-01-16 16:05:15
End at: 2018-01-16 16:05:45
Local clock offset: 1.53 ms
Remote clock offset: -20.66 ms

Below is generated by plot.py at 2018-01-16 17:57:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: -0.140 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: -0.140 ms
Loss rate: 0.72%

Run 8: Report of Indigo — Data Link

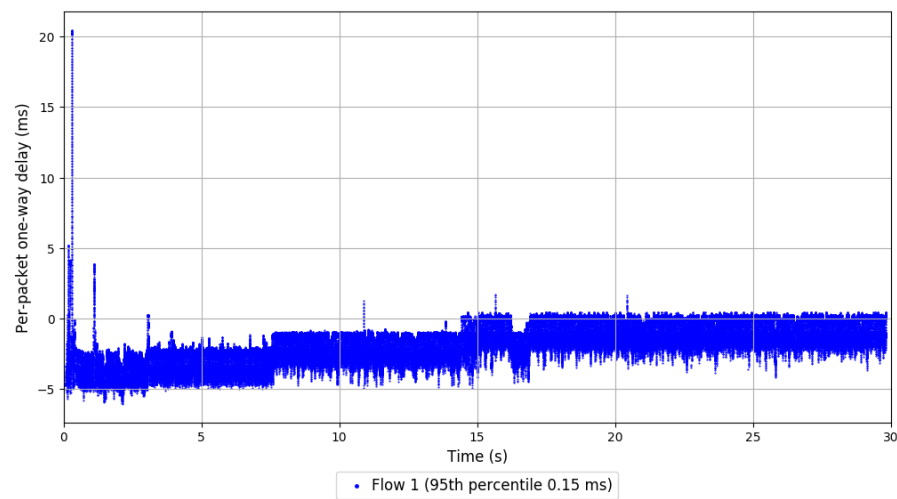
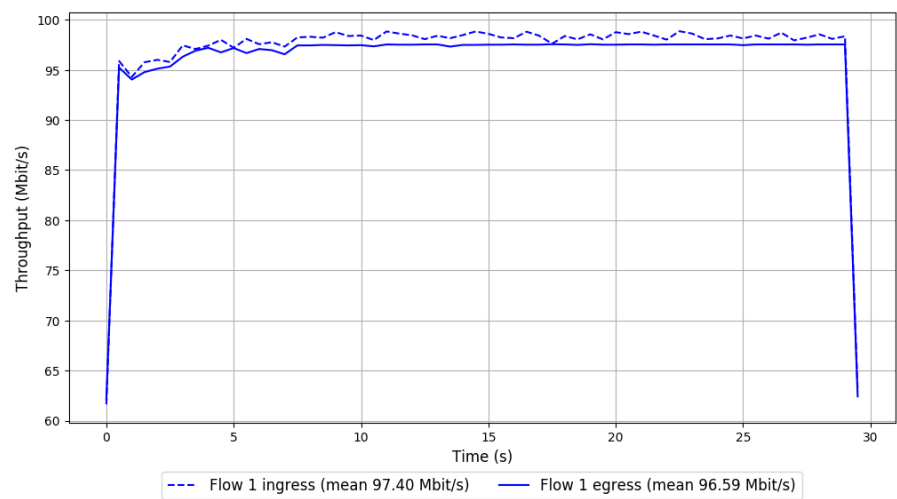


Run 9: Statistics of Indigo

Start at: 2018-01-16 16:26:10
End at: 2018-01-16 16:26:40
Local clock offset: 2.22 ms
Remote clock offset: -20.334 ms

Below is generated by plot.py at 2018-01-16 17:57:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 0.151 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 0.151 ms
Loss rate: 0.81%

Run 9: Report of Indigo — Data Link

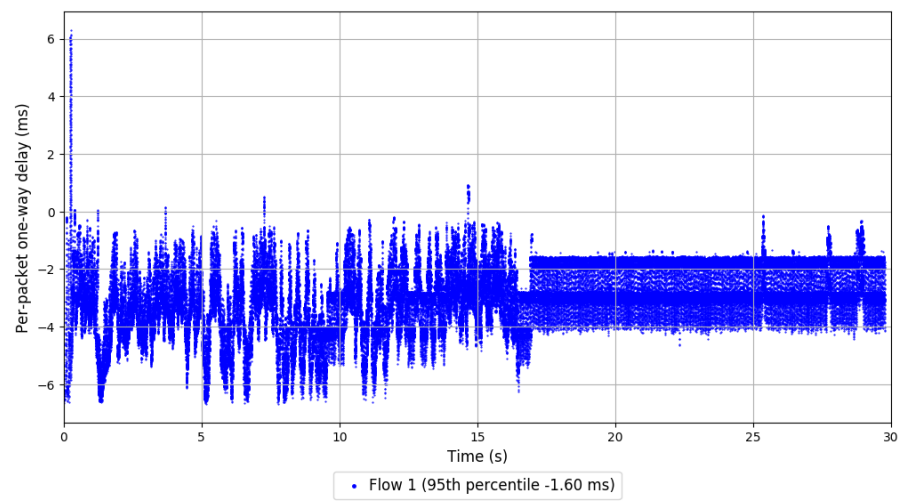
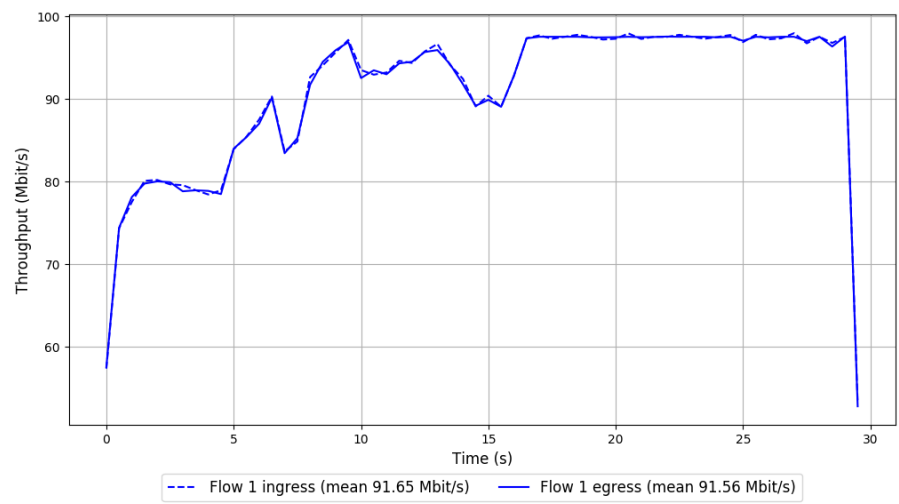


Run 10: Statistics of Indigo

Start at: 2018-01-16 16:47:04
End at: 2018-01-16 16:47:34
Local clock offset: -0.616 ms
Remote clock offset: -21.586 ms

Below is generated by plot.py at 2018-01-16 17:57:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: -1.597 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: -1.597 ms
Loss rate: 0.08%

Run 10: Report of Indigo — Data Link

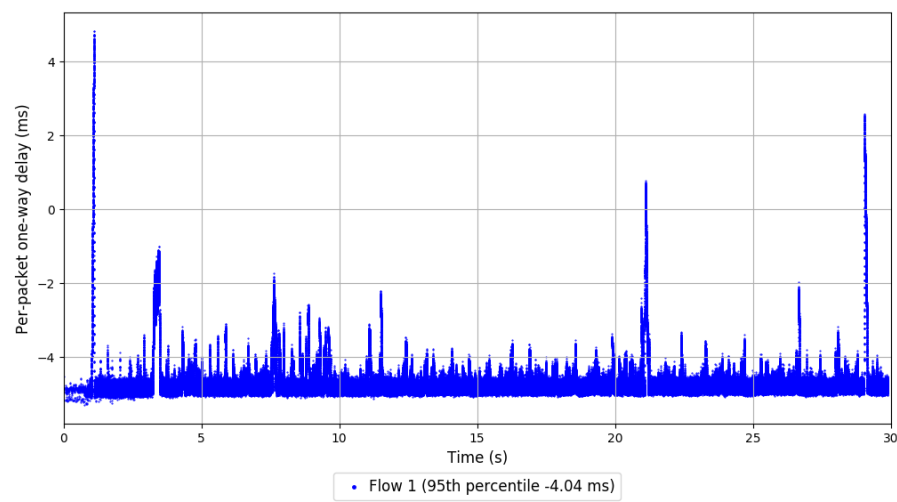
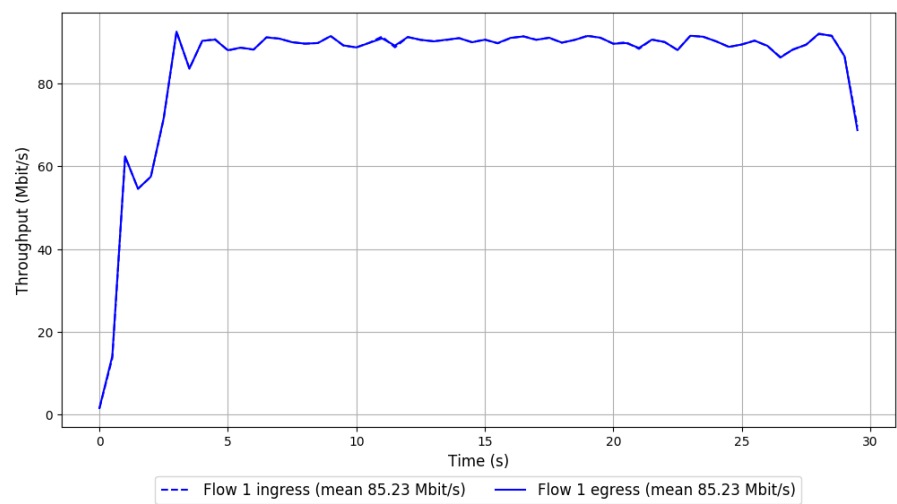


Run 1: Statistics of Vivace-latency

Start at: 2018-01-16 13:49:13
End at: 2018-01-16 13:49:43
Local clock offset: 0.485 ms
Remote clock offset: -15.261 ms

Below is generated by plot.py at 2018-01-16 17:58:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: -4.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: -4.044 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

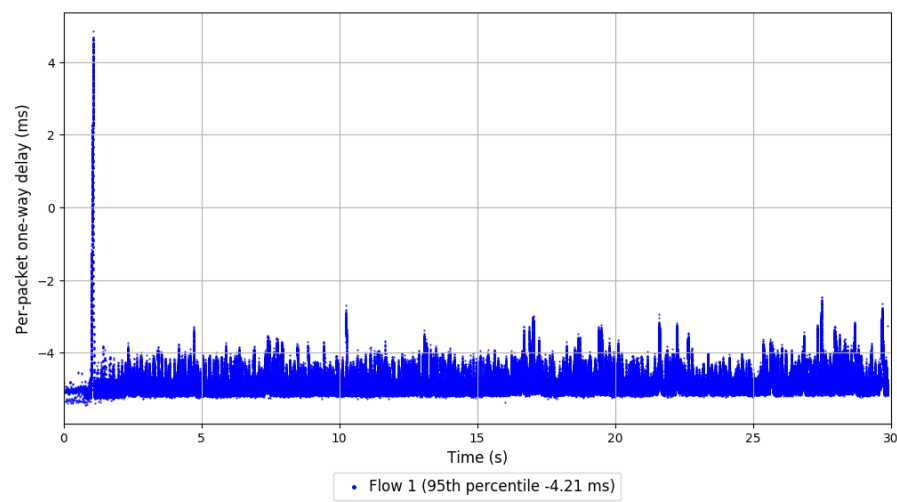
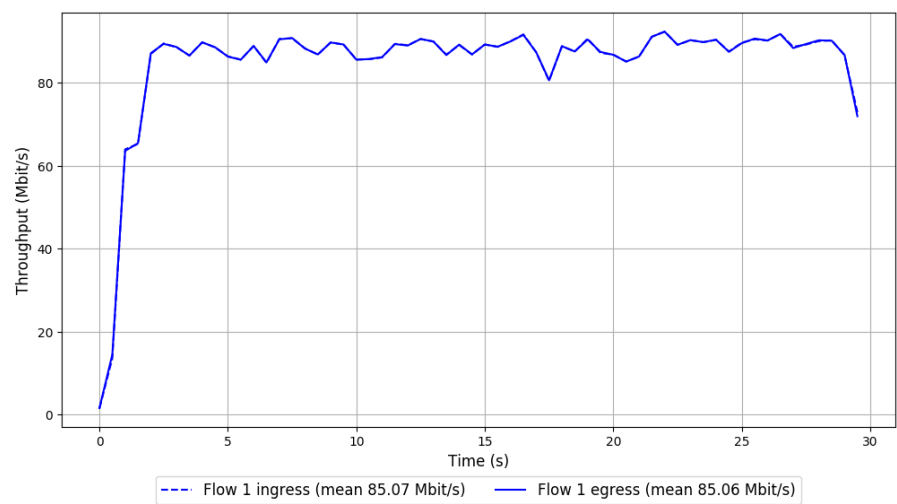


Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 14:10:34
End at: 2018-01-16 14:11:04
Local clock offset: 0.278 ms
Remote clock offset: -17.12 ms

Below is generated by plot.py at 2018-01-16 17:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.06 Mbit/s
95th percentile per-packet one-way delay: -4.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.06 Mbit/s
95th percentile per-packet one-way delay: -4.211 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

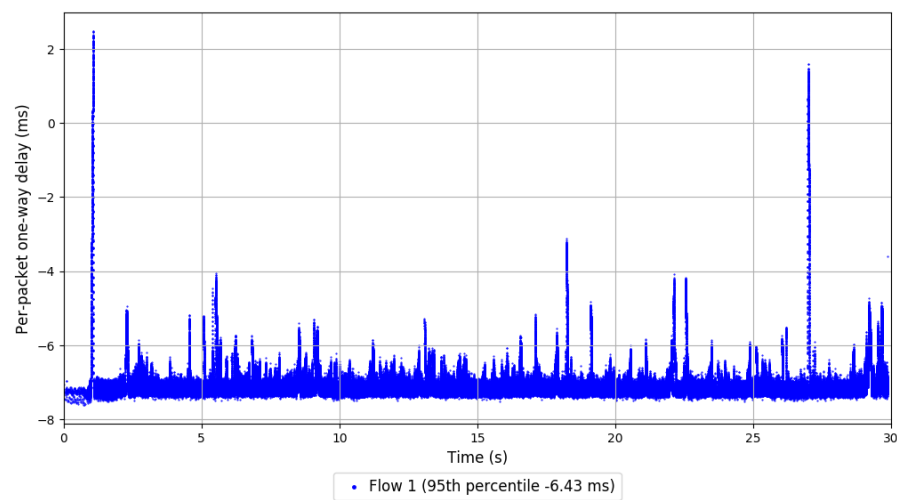
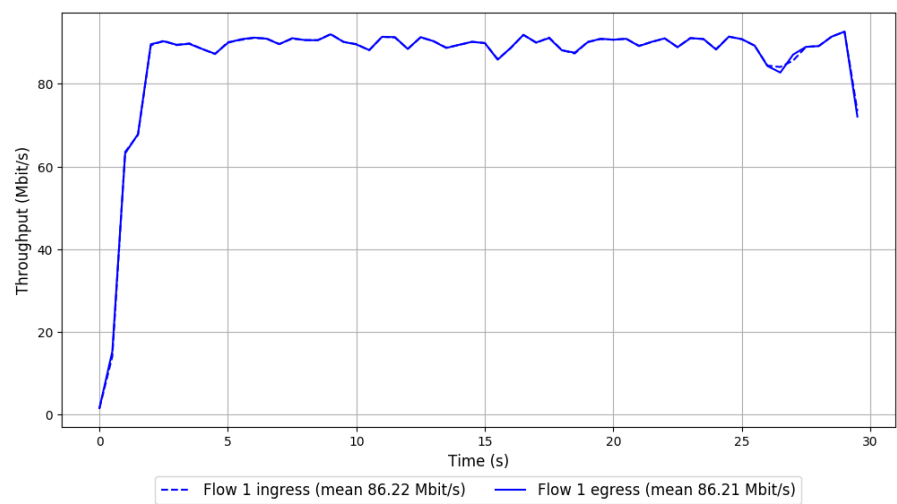


Run 3: Statistics of Vivace-latency

Start at: 2018-01-16 14:31:40
End at: 2018-01-16 14:32:10
Local clock offset: 1.298 ms
Remote clock offset: -18.522 ms

Below is generated by plot.py at 2018-01-16 17:58:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: -6.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: -6.431 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link

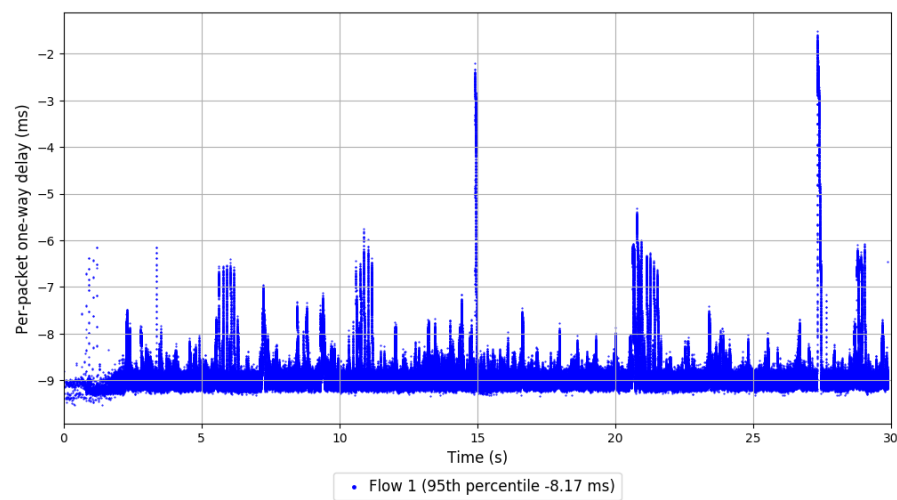
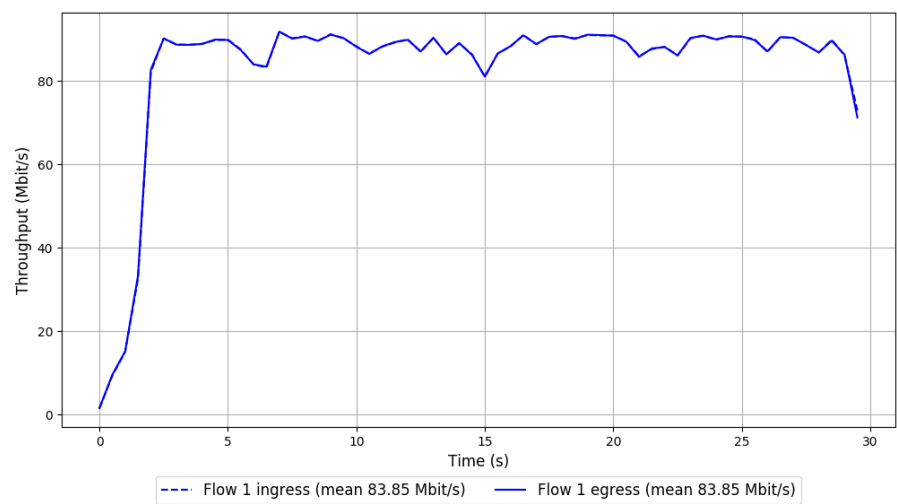


Run 4: Statistics of Vivace-latency

Start at: 2018-01-16 14:52:51
End at: 2018-01-16 14:53:21
Local clock offset: 3.904 ms
Remote clock offset: -16.952 ms

Below is generated by plot.py at 2018-01-16 17:59:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: -8.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: -8.169 ms
Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

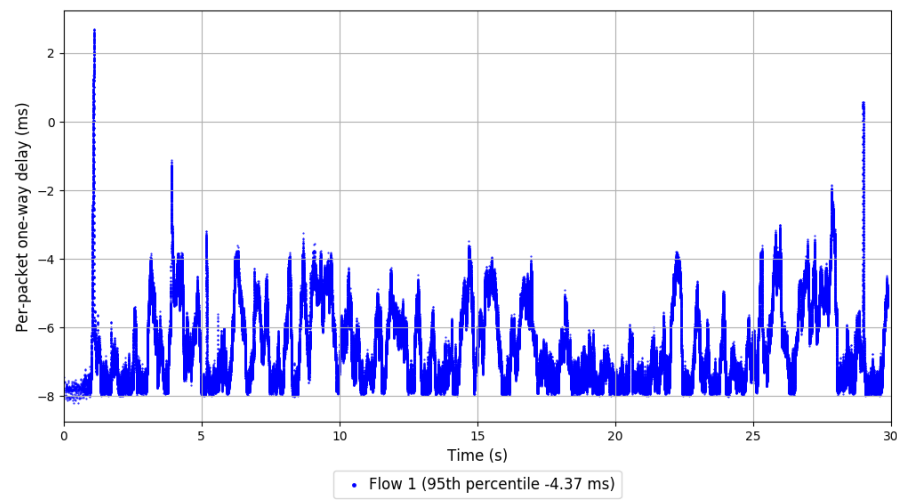
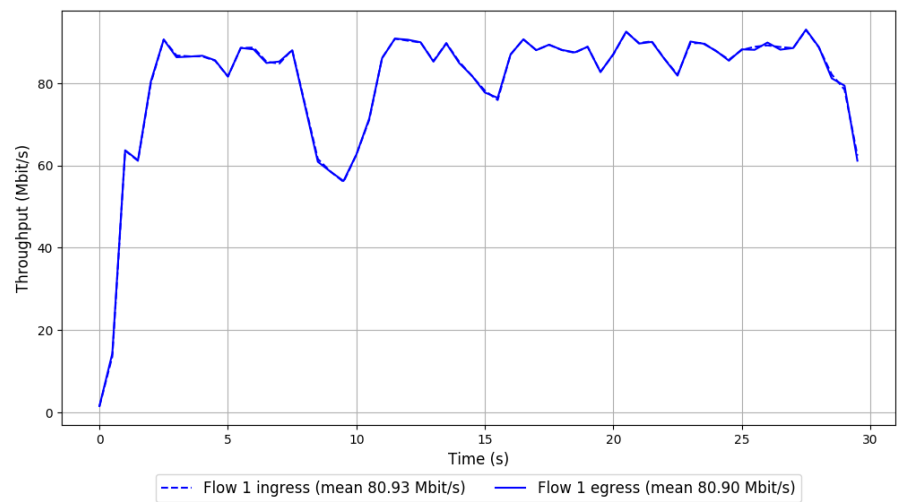


Run 5: Statistics of Vivace-latency

Start at: 2018-01-16 15:14:00
End at: 2018-01-16 15:14:30
Local clock offset: 1.609 ms
Remote clock offset: -18.495 ms

Below is generated by plot.py at 2018-01-16 17:59:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: -4.371 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: -4.371 ms
Loss rate: 0.03%

Run 5: Report of Vivace-latency — Data Link

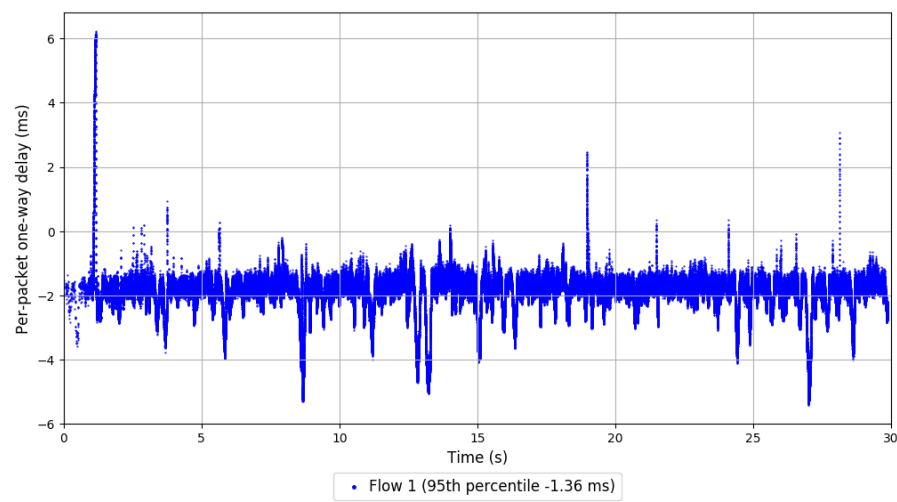
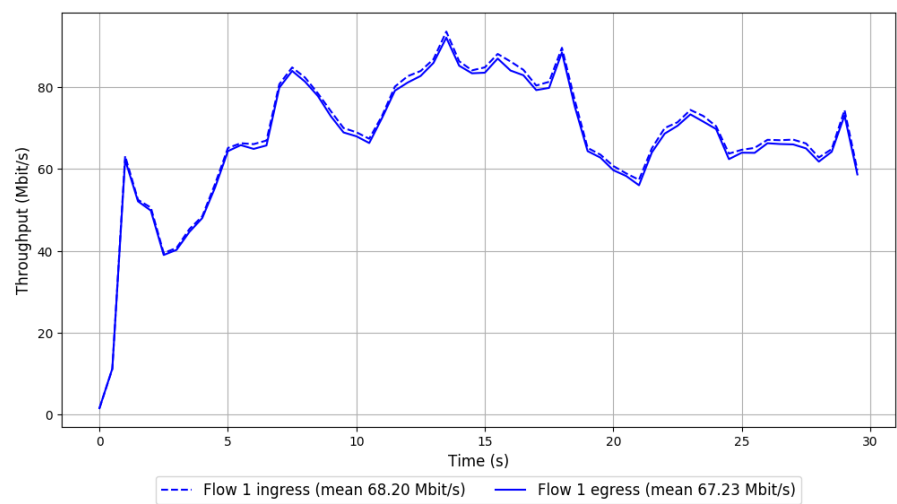


Run 6: Statistics of Vivace-latency

Start at: 2018-01-16 15:35:09
End at: 2018-01-16 15:35:39
Local clock offset: 0.431 ms
Remote clock offset: -17.773 ms

Below is generated by plot.py at 2018-01-16 17:59:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: -1.361 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: -1.361 ms
Loss rate: 1.43%

Run 6: Report of Vivace-latency — Data Link

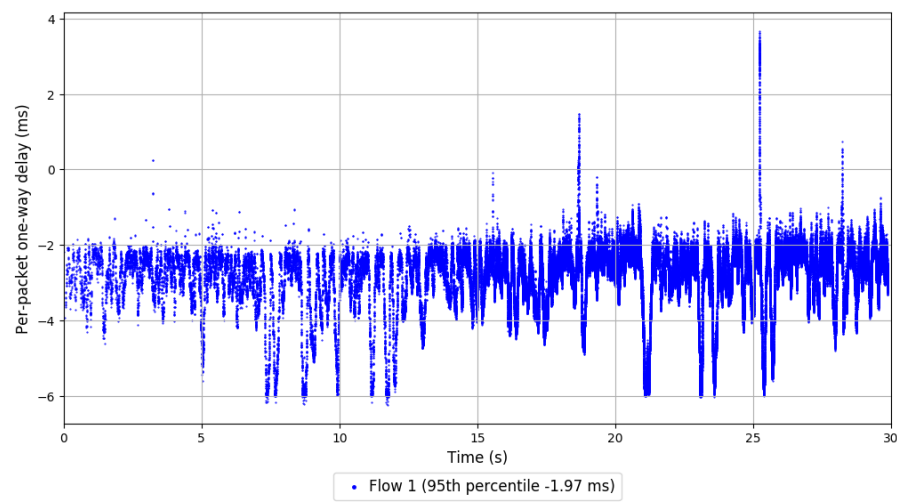
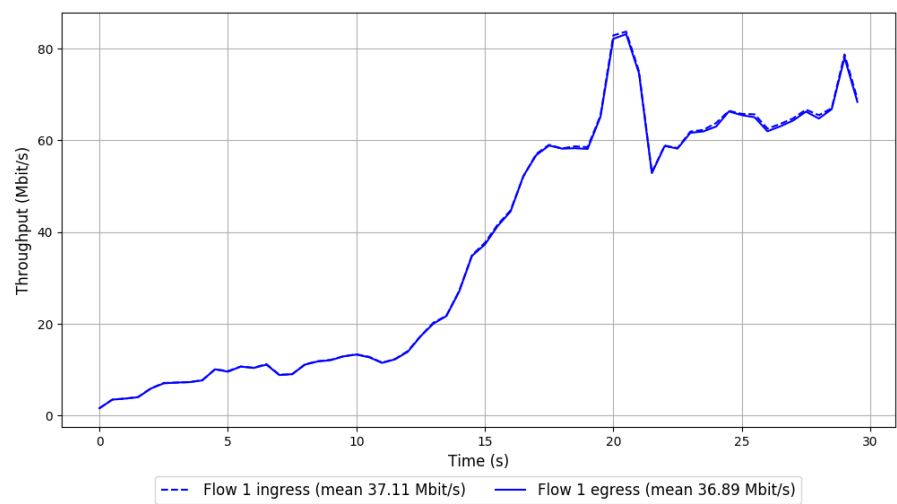


Run 7: Statistics of Vivace-latency

Start at: 2018-01-16 15:56:06
End at: 2018-01-16 15:56:36
Local clock offset: -0.738 ms
Remote clock offset: -20.067 ms

Below is generated by plot.py at 2018-01-16 17:59:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: -1.968 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: -1.968 ms
Loss rate: 0.58%

Run 7: Report of Vivace-latency — Data Link

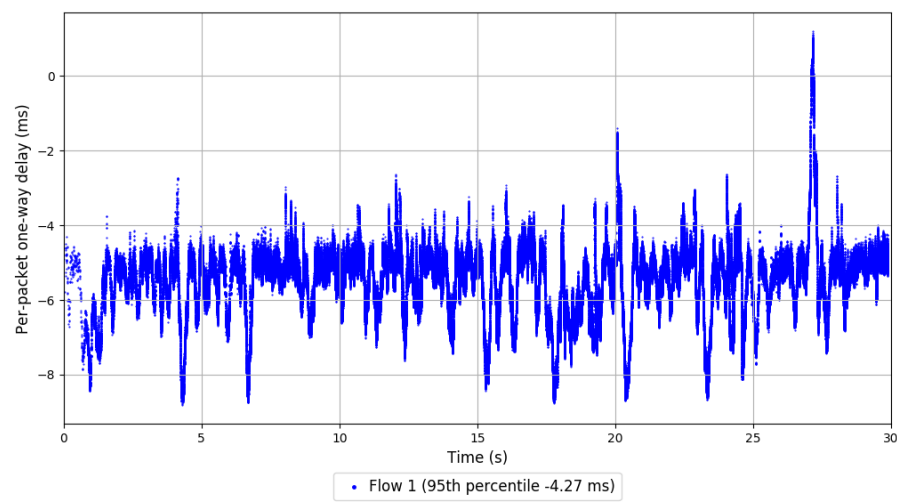
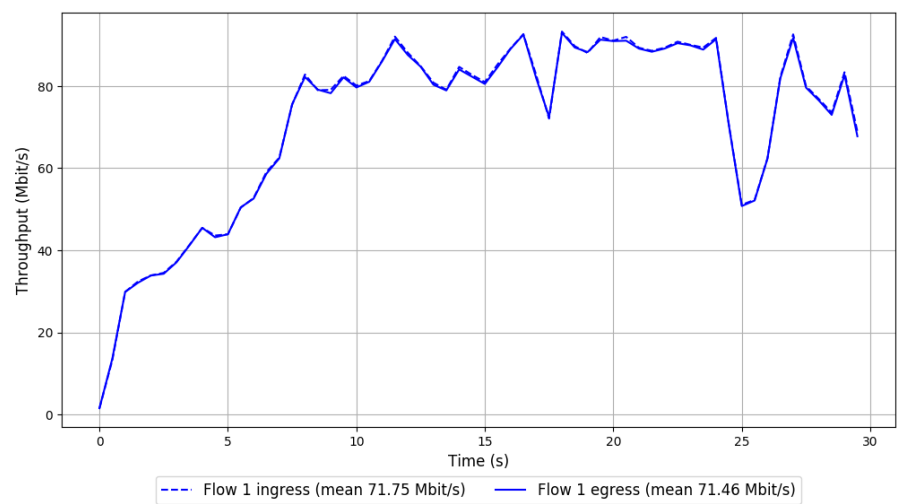


Run 8: Statistics of Vivace-latency

Start at: 2018-01-16 16:17:01
End at: 2018-01-16 16:17:31
Local clock offset: 1.677 ms
Remote clock offset: -20.939 ms

Below is generated by plot.py at 2018-01-16 17:59:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.46 Mbit/s
95th percentile per-packet one-way delay: -4.270 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 71.46 Mbit/s
95th percentile per-packet one-way delay: -4.270 ms
Loss rate: 0.41%

Run 8: Report of Vivace-latency — Data Link

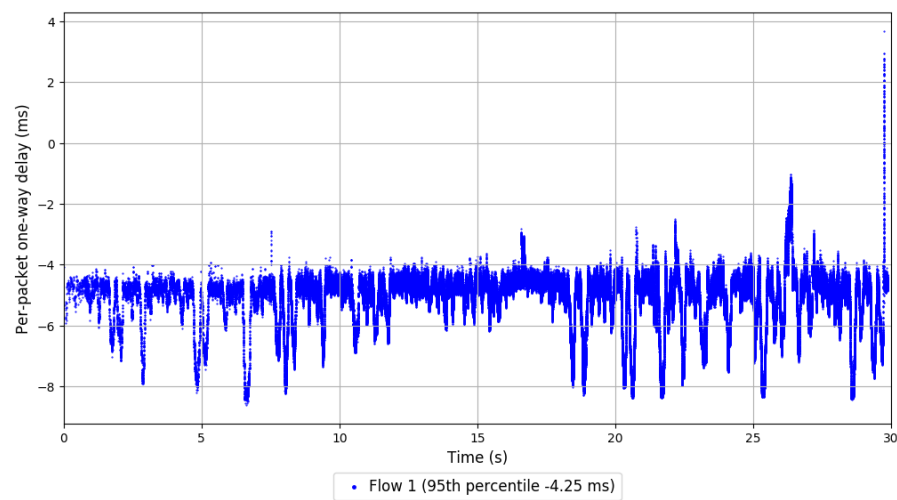
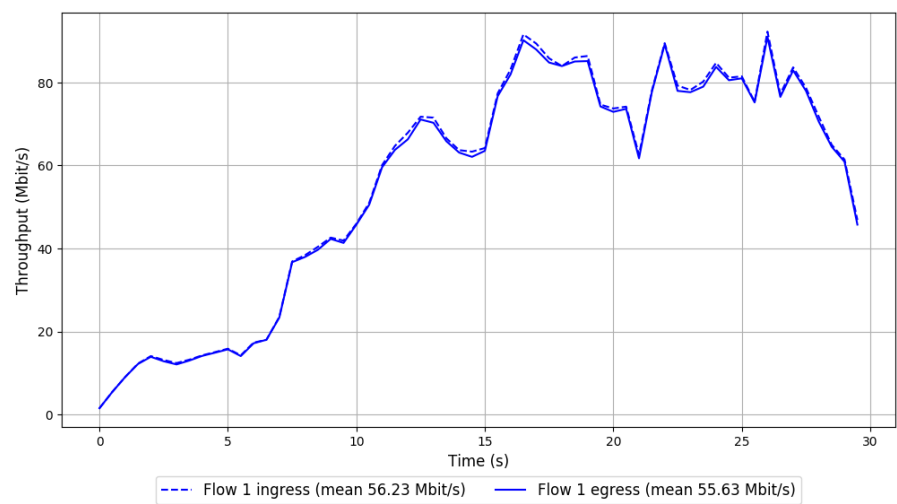


Run 9: Statistics of Vivace-latency

Start at: 2018-01-16 16:37:52
End at: 2018-01-16 16:38:22
Local clock offset: 1.027 ms
Remote clock offset: -21.492 ms

Below is generated by plot.py at 2018-01-16 17:59:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: -4.246 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: -4.246 ms
Loss rate: 1.08%

Run 9: Report of Vivace-latency — Data Link

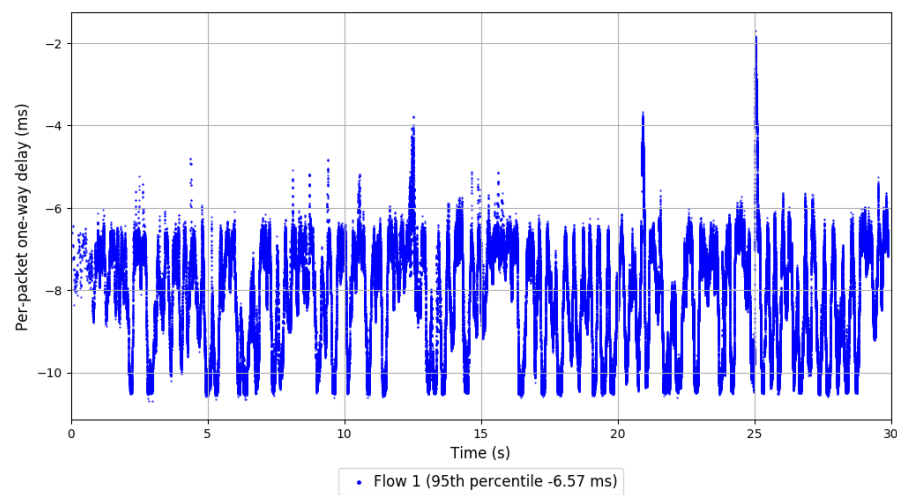
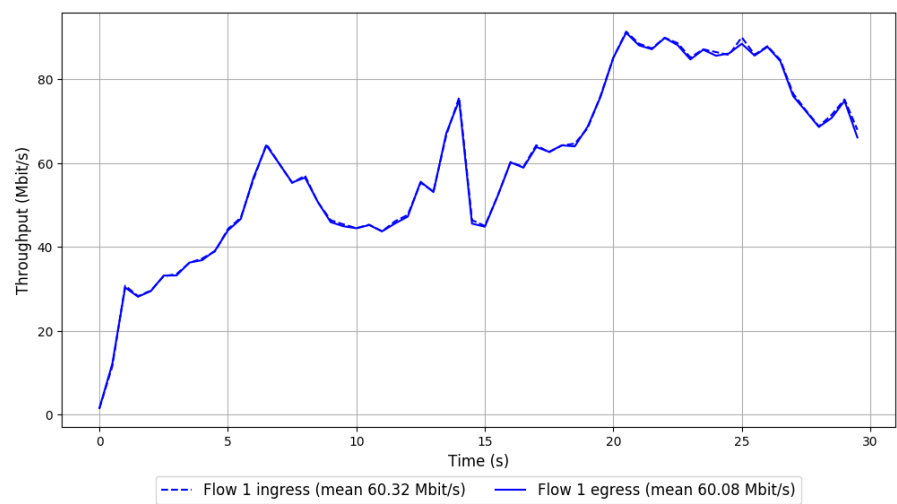


Run 10: Statistics of Vivace-latency

Start at: 2018-01-16 16:58:41
End at: 2018-01-16 16:59:11
Local clock offset: 1.548 ms
Remote clock offset: -23.384 ms

Below is generated by plot.py at 2018-01-16 17:59:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: -6.566 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: -6.566 ms
Loss rate: 0.39%

Run 10: Report of Vivace-latency — Data Link

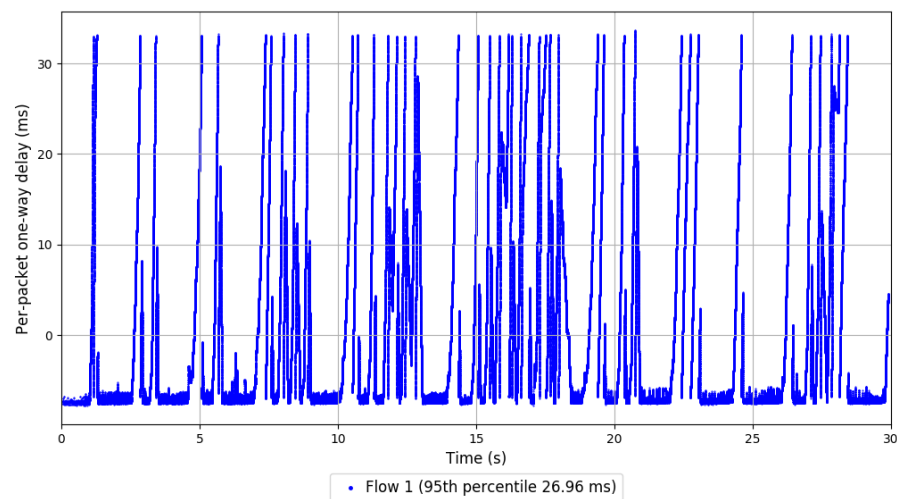
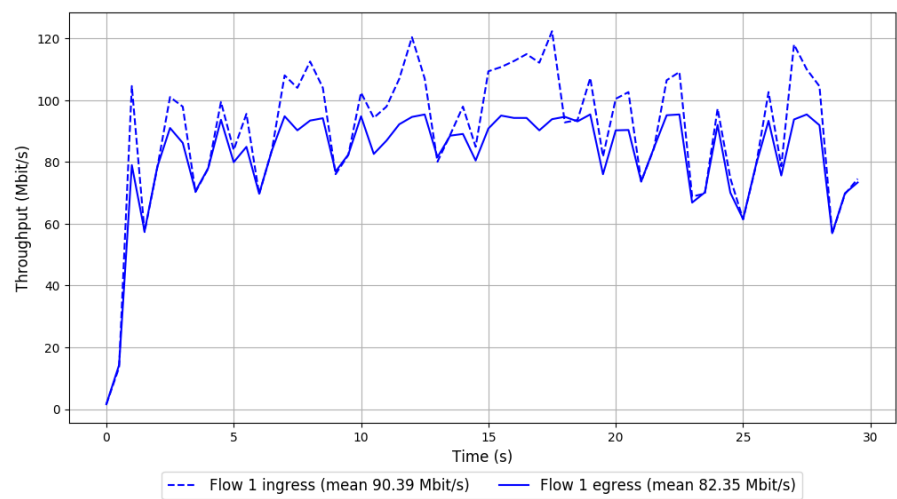


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 13:39:45
End at: 2018-01-16 13:40:15
Local clock offset: 1.748 ms
Remote clock offset: -15.651 ms

# Below is generated by plot.py at 2018-01-16 18:00:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 26.956 ms
Loss rate: 8.86%
-- Flow 1:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 26.956 ms
Loss rate: 8.86%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 14:00:51

End at: 2018-01-16 14:01:21

Local clock offset: 3.571 ms

Remote clock offset: -16.638 ms

Below is generated by plot.py at 2018-01-16 18:00:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.32 Mbit/s

95th percentile per-packet one-way delay: 24.373 ms

Loss rate: 6.78%

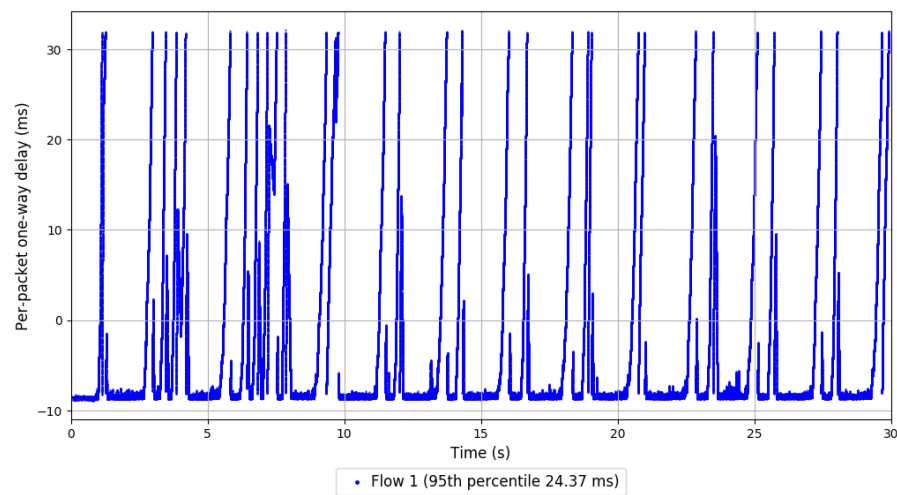
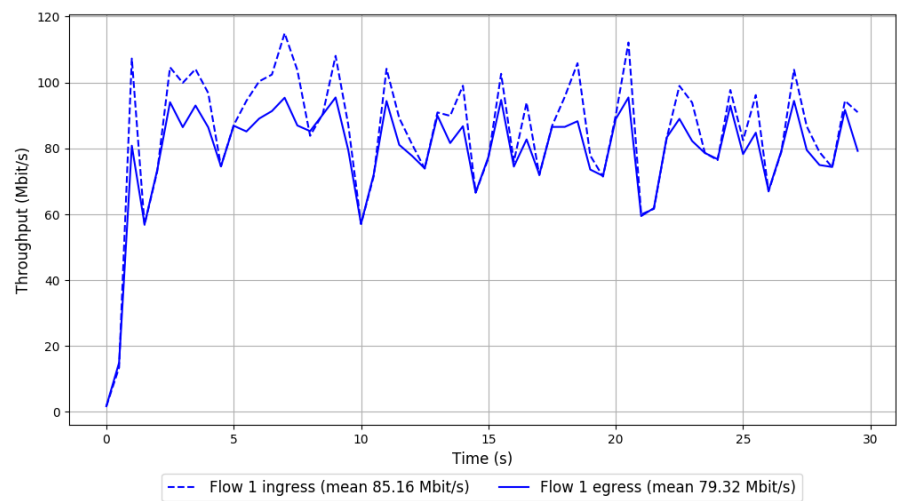
-- Flow 1:

Average throughput: 79.32 Mbit/s

95th percentile per-packet one-way delay: 24.373 ms

Loss rate: 6.78%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 14:22:12

End at: 2018-01-16 14:22:42

Local clock offset: 1.143 ms

Remote clock offset: -16.95 ms

Below is generated by plot.py at 2018-01-16 18:01:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.47 Mbit/s

95th percentile per-packet one-way delay: 29.574 ms

Loss rate: 12.42%

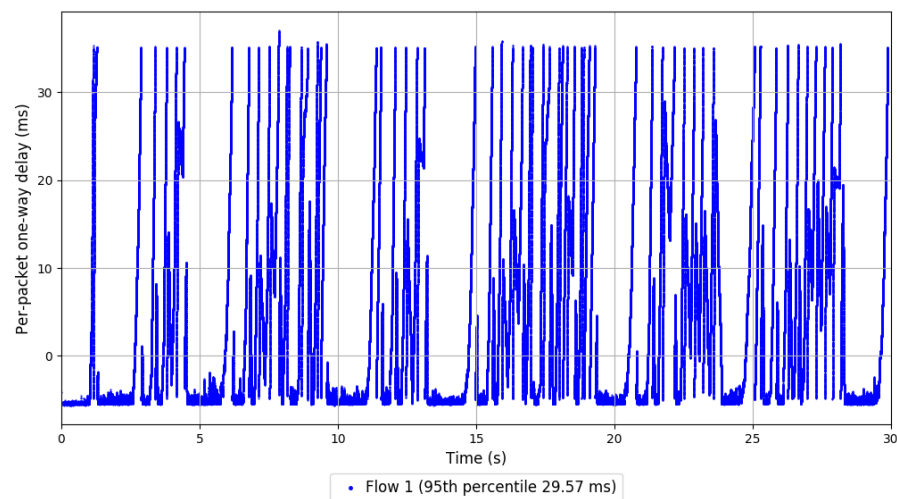
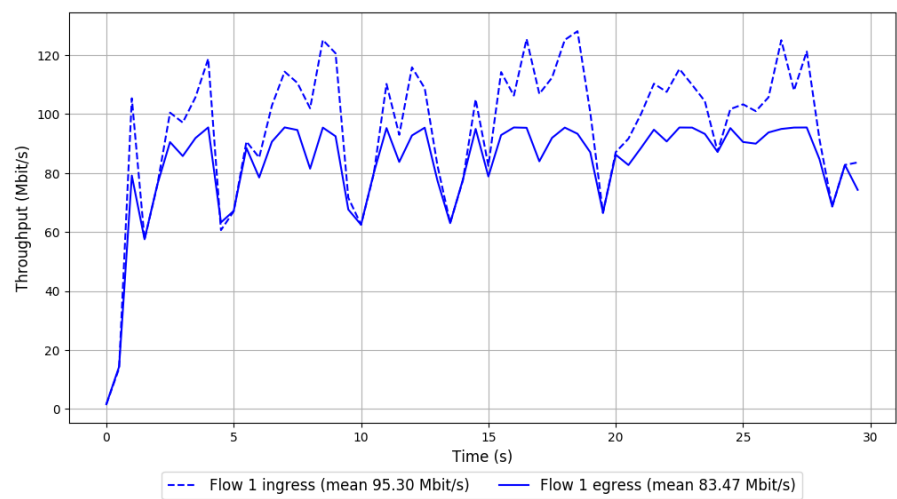
-- Flow 1:

Average throughput: 83.47 Mbit/s

95th percentile per-packet one-way delay: 29.574 ms

Loss rate: 12.42%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-16 14:43:16

End at: 2018-01-16 14:43:46

Local clock offset: 3.98 ms

Remote clock offset: -17.479 ms

Below is generated by plot.py at 2018-01-16 18:01:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.13 Mbit/s

95th percentile per-packet one-way delay: 25.416 ms

Loss rate: 11.73%

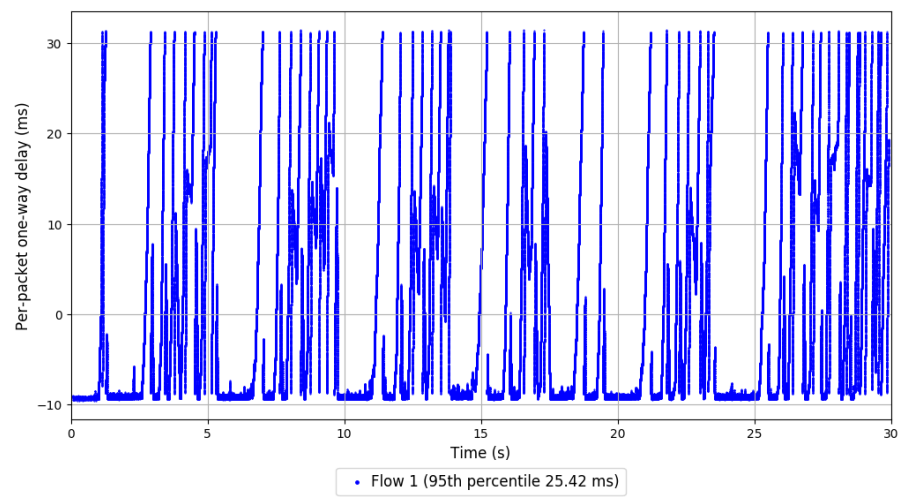
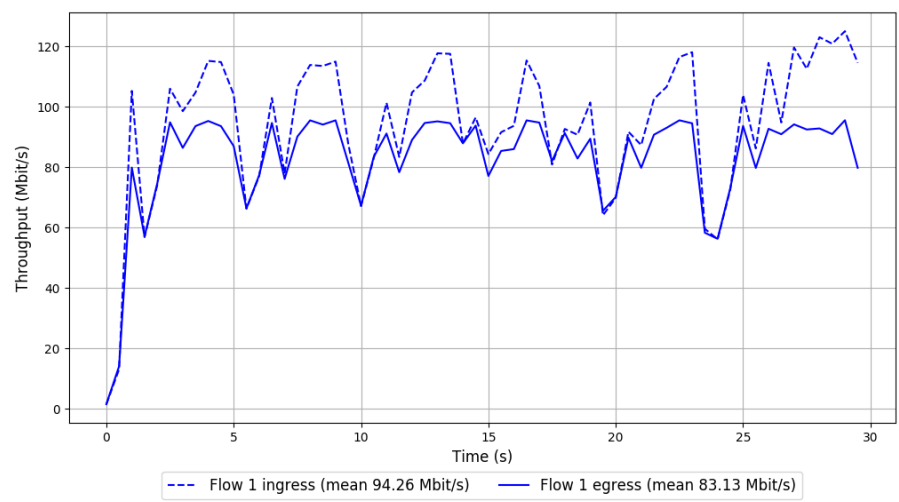
-- Flow 1:

Average throughput: 83.13 Mbit/s

95th percentile per-packet one-way delay: 25.416 ms

Loss rate: 11.73%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-16 15:04:26

End at: 2018-01-16 15:04:56

Local clock offset: 2.068 ms

Remote clock offset: -16.877 ms

Below is generated by plot.py at 2018-01-16 18:01:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.28 Mbit/s

95th percentile per-packet one-way delay: 27.729 ms

Loss rate: 12.49%

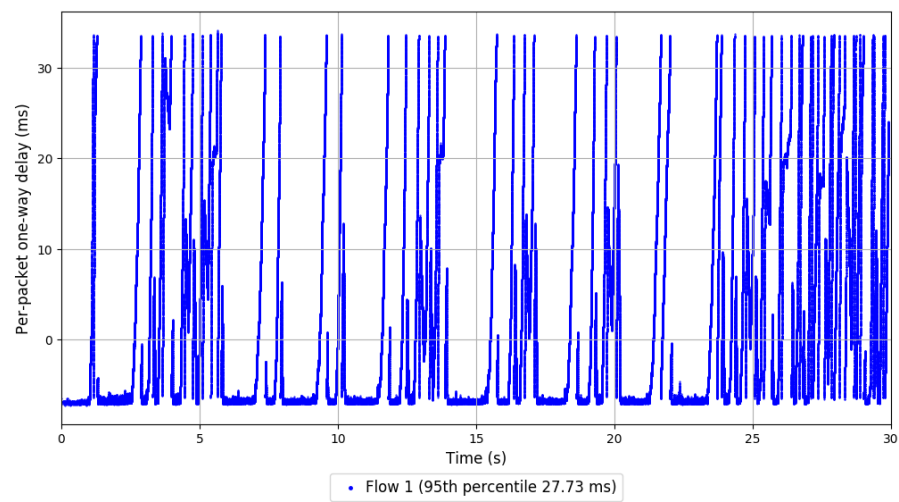
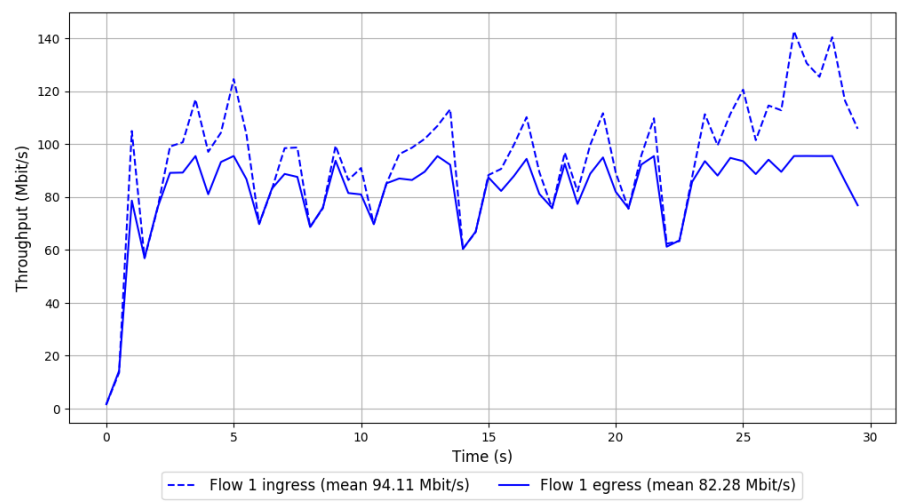
-- Flow 1:

Average throughput: 82.28 Mbit/s

95th percentile per-packet one-way delay: 27.729 ms

Loss rate: 12.49%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-16 15:25:34

End at: 2018-01-16 15:26:04

Local clock offset: 0.038 ms

Remote clock offset: -17.176 ms

Below is generated by plot.py at 2018-01-16 18:01:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.71 Mbit/s

95th percentile per-packet one-way delay: 31.546 ms

Loss rate: 5.65%

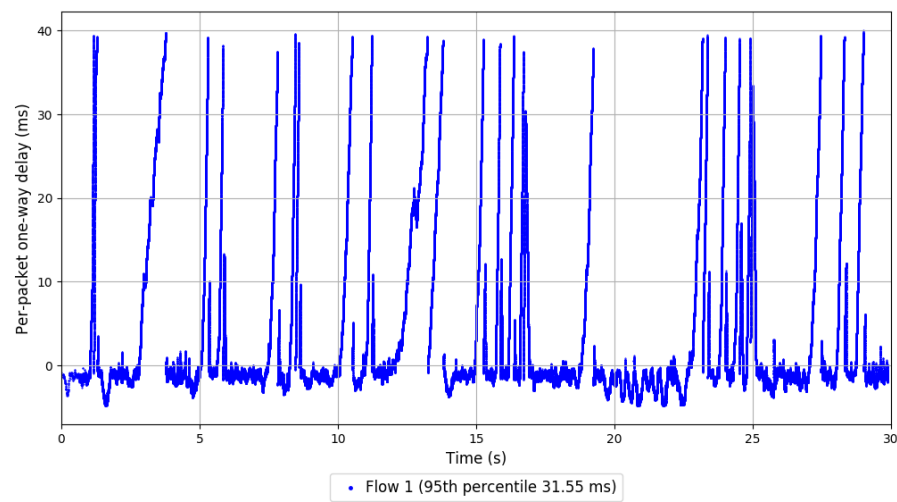
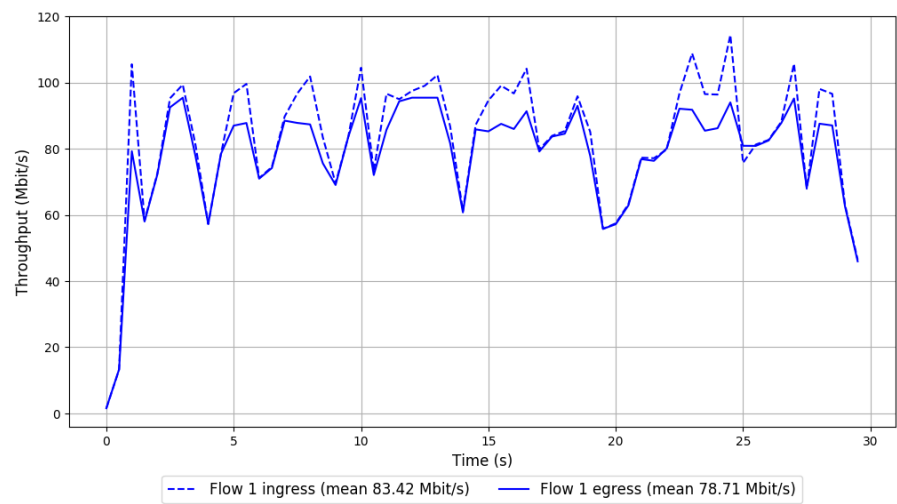
-- Flow 1:

Average throughput: 78.71 Mbit/s

95th percentile per-packet one-way delay: 31.546 ms

Loss rate: 5.65%

Run 6: Report of Vivace-loss — Data Link

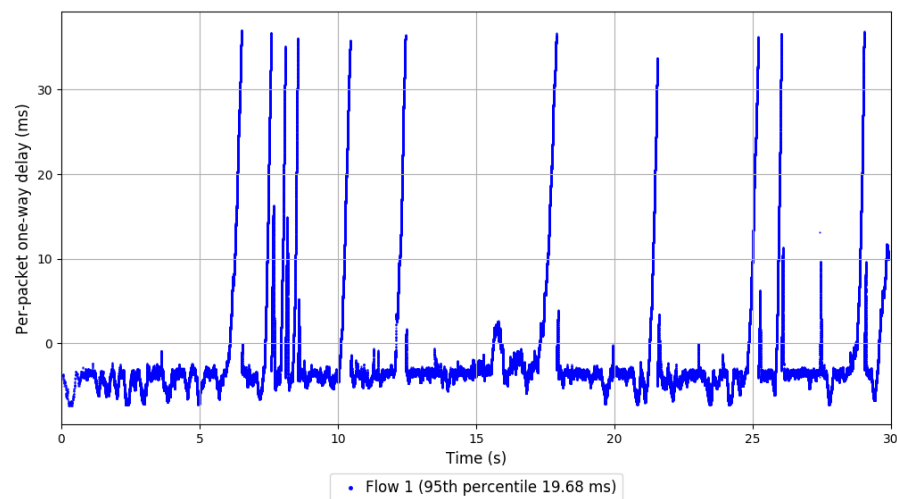
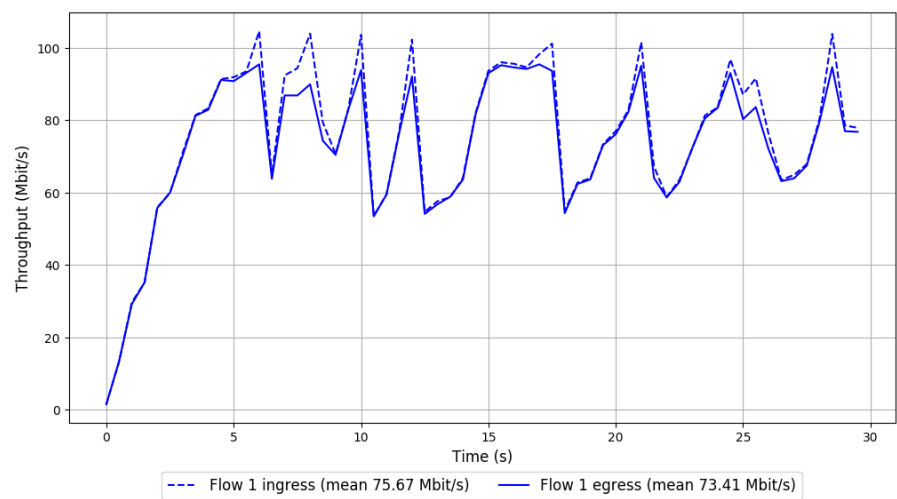


Run 7: Statistics of Vivace-loss

Start at: 2018-01-16 15:46:46
End at: 2018-01-16 15:47:16
Local clock offset: 2.765 ms
Remote clock offset: -17.589 ms

Below is generated by plot.py at 2018-01-16 18:01:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.41 Mbit/s
95th percentile per-packet one-way delay: 19.683 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 73.41 Mbit/s
95th percentile per-packet one-way delay: 19.683 ms
Loss rate: 2.94%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-16 16:07:36

End at: 2018-01-16 16:08:06

Local clock offset: 1.521 ms

Remote clock offset: -19.829 ms

Below is generated by plot.py at 2018-01-16 18:02:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.11 Mbit/s

95th percentile per-packet one-way delay: 17.226 ms

Loss rate: 2.42%

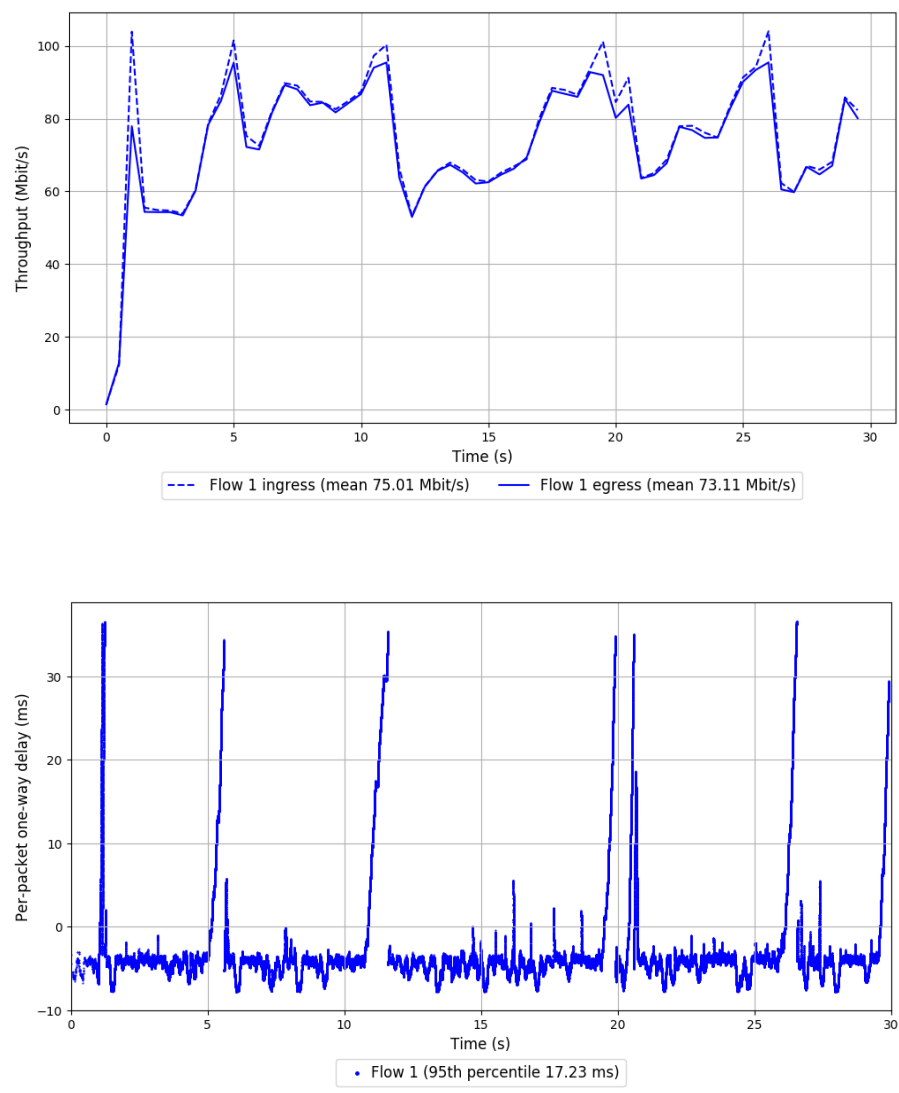
-- Flow 1:

Average throughput: 73.11 Mbit/s

95th percentile per-packet one-way delay: 17.226 ms

Loss rate: 2.42%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-16 16:28:31

End at: 2018-01-16 16:29:01

Local clock offset: 2.154 ms

Remote clock offset: -20.231 ms

Below is generated by plot.py at 2018-01-16 18:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 17.581 ms

Loss rate: 2.43%

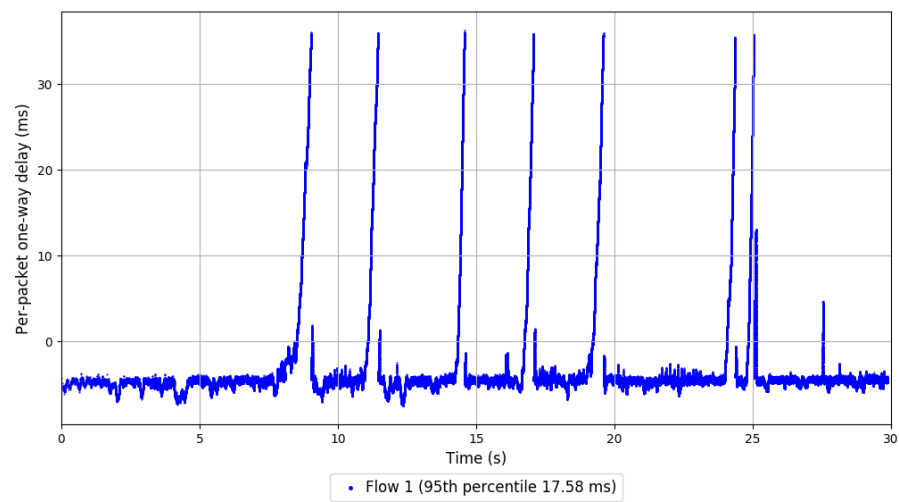
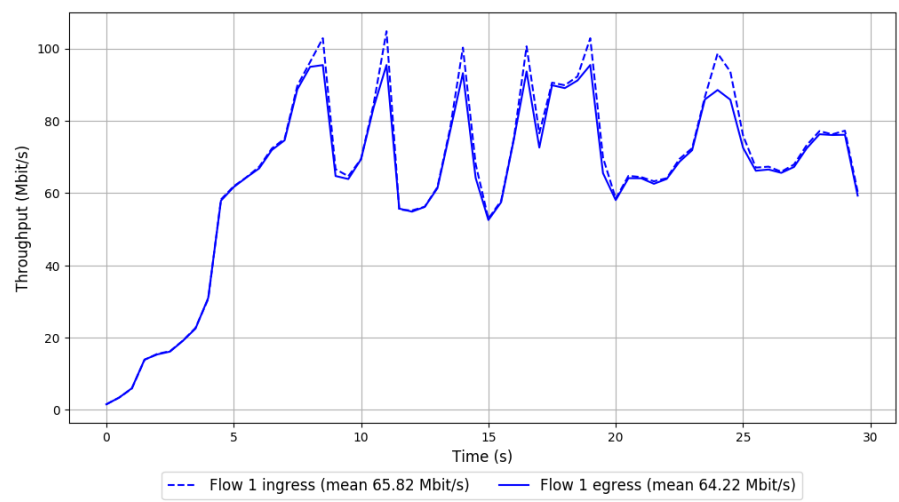
-- Flow 1:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 17.581 ms

Loss rate: 2.43%

Run 9: Report of Vivace-loss — Data Link

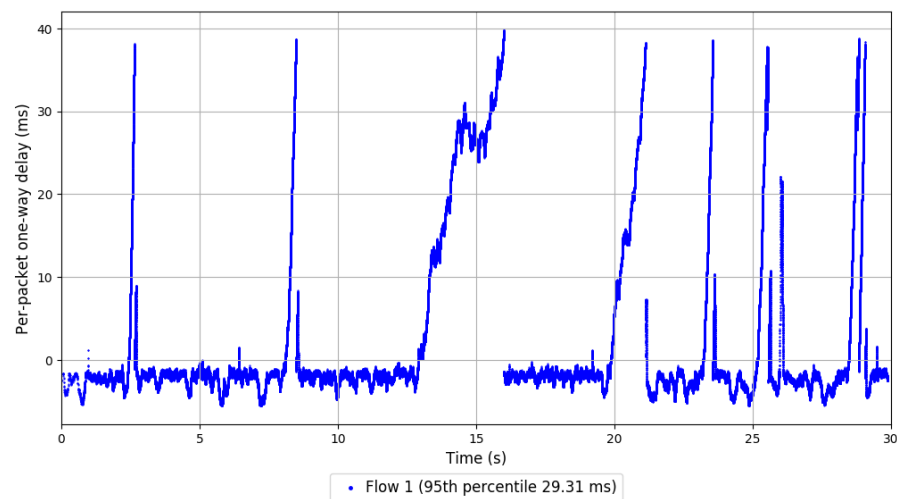
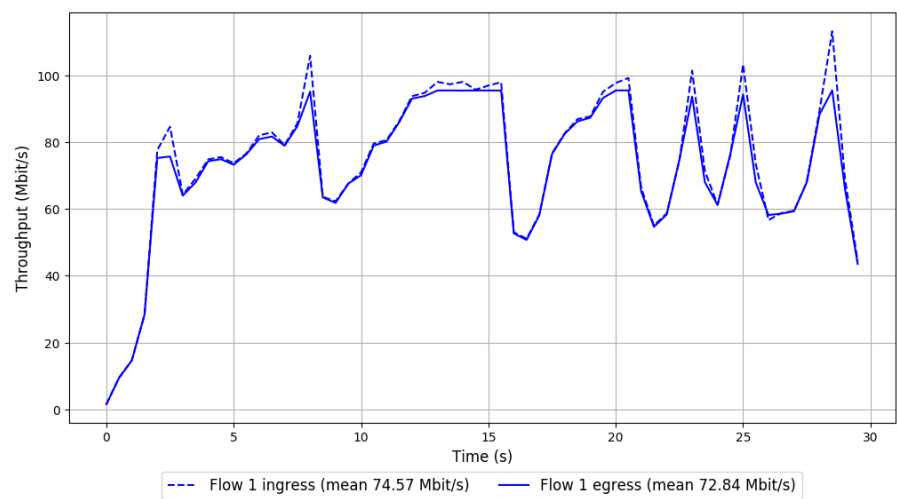


Run 10: Statistics of Vivace-loss

Start at: 2018-01-16 16:49:24
End at: 2018-01-16 16:49:54
Local clock offset: -1.428 ms
Remote clock offset: -21.254 ms

Below is generated by plot.py at 2018-01-16 18:02:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.84 Mbit/s
95th percentile per-packet one-way delay: 29.313 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 72.84 Mbit/s
95th percentile per-packet one-way delay: 29.313 ms
Loss rate: 2.31%

Run 10: Report of Vivace-loss — Data Link

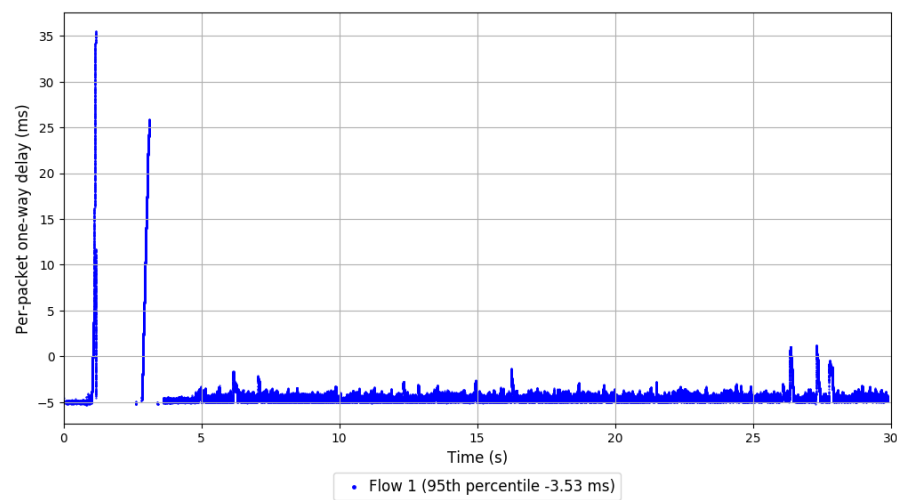
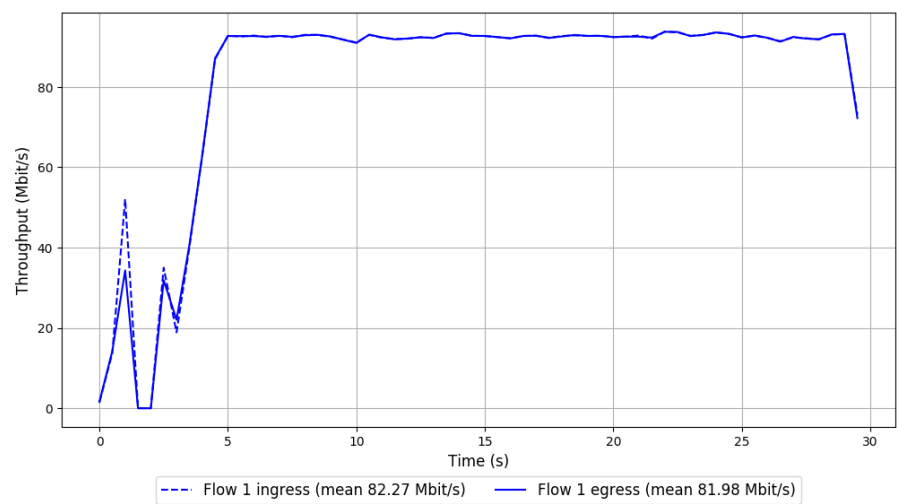


Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 13:40:57
End at: 2018-01-16 13:41:27
Local clock offset: -0.477 ms
Remote clock offset: -15.513 ms

Below is generated by plot.py at 2018-01-16 18:03:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: -3.533 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: -3.533 ms
Loss rate: 0.35%

Run 1: Report of Vivace-LTE — Data Link

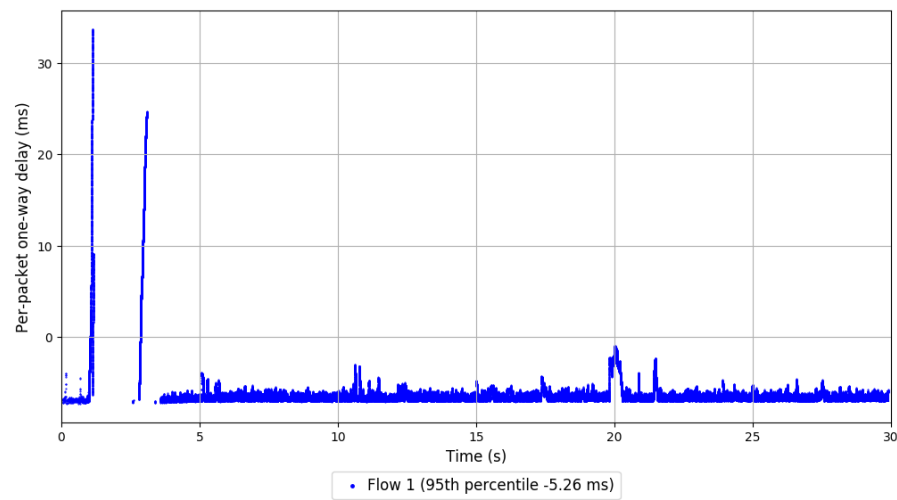
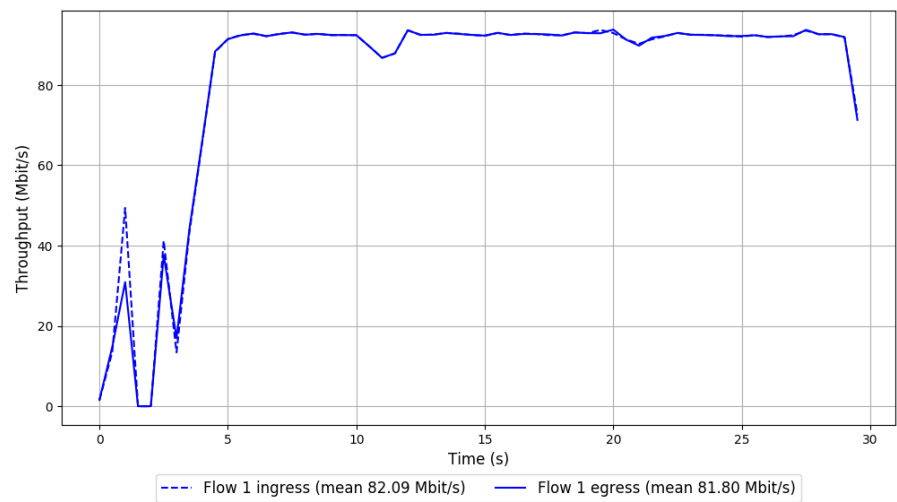


Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 14:02:07
End at: 2018-01-16 14:02:37
Local clock offset: 2.907 ms
Remote clock offset: -15.665 ms

Below is generated by plot.py at 2018-01-16 18:03:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: -5.257 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: -5.257 ms
Loss rate: 0.35%

Run 2: Report of Vivace-LTE — Data Link

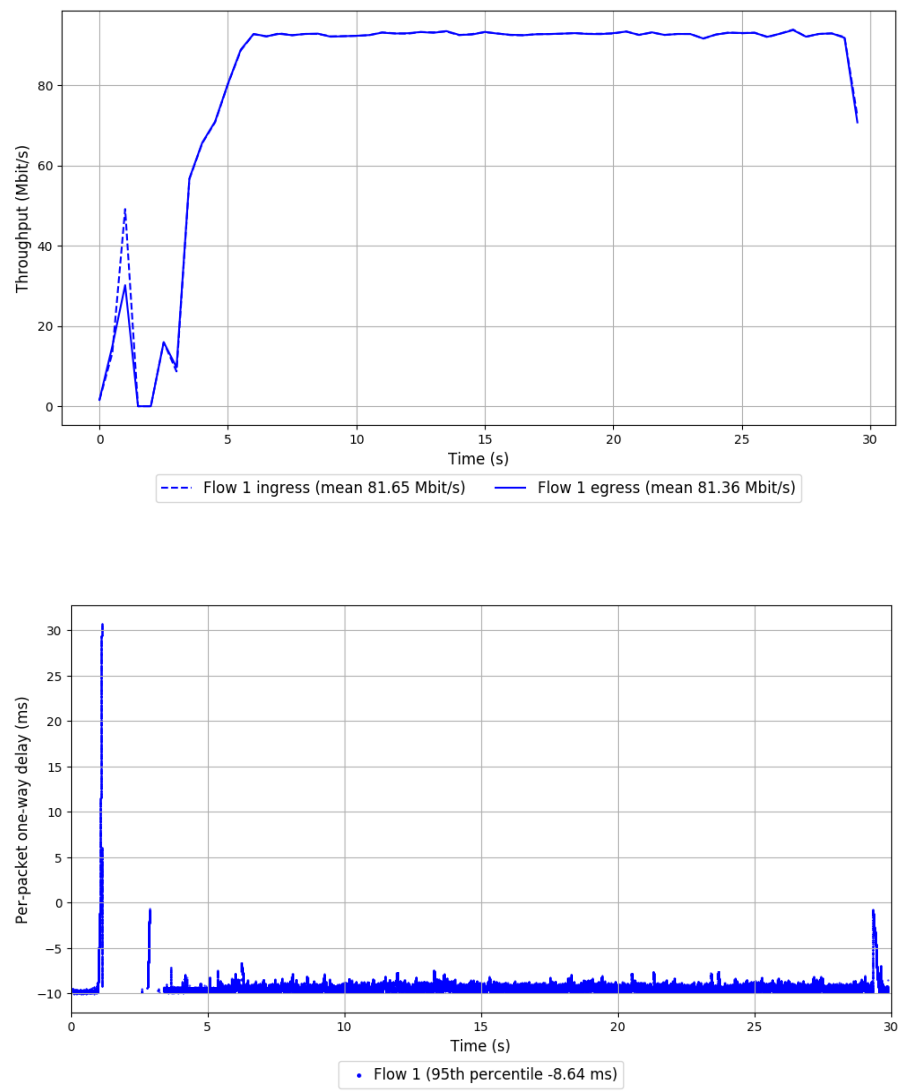


Run 3: Statistics of Vivace-LTE

Start at: 2018-01-16 14:23:25
End at: 2018-01-16 14:23:55
Local clock offset: 4.38 ms
Remote clock offset: -18.049 ms

Below is generated by plot.py at 2018-01-16 18:03:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.36 Mbit/s
95th percentile per-packet one-way delay: -8.645 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 81.36 Mbit/s
95th percentile per-packet one-way delay: -8.645 ms
Loss rate: 0.35%

Run 3: Report of Vivace-LTE — Data Link

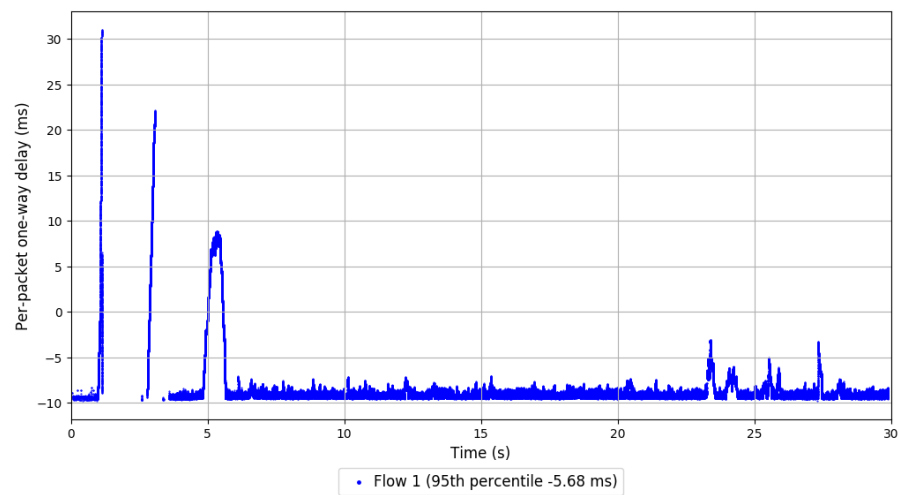
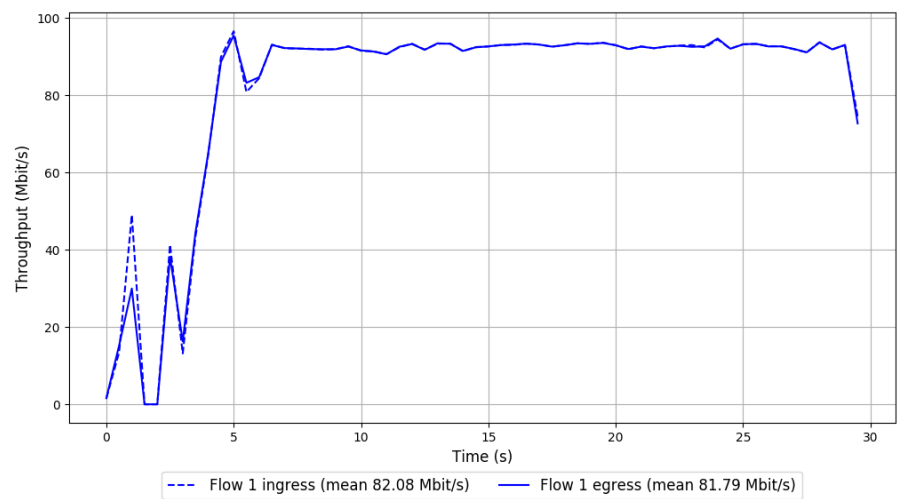


Run 4: Statistics of Vivace-LTE

Start at: 2018-01-16 14:44:28
End at: 2018-01-16 14:44:58
Local clock offset: 0.089 ms
Remote clock offset: -21.508 ms

Below is generated by plot.py at 2018-01-16 18:03:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.79 Mbit/s
95th percentile per-packet one-way delay: -5.683 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 81.79 Mbit/s
95th percentile per-packet one-way delay: -5.683 ms
Loss rate: 0.35%

Run 4: Report of Vivace-LTE — Data Link

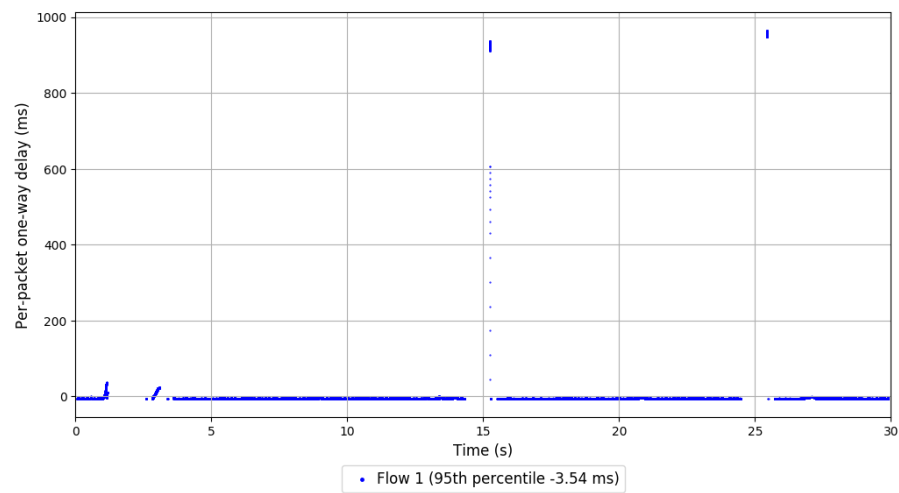
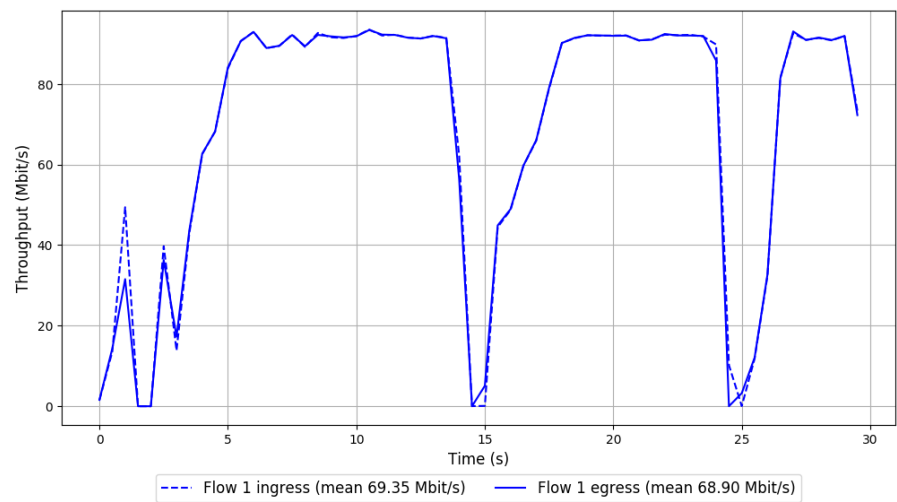


Run 5: Statistics of Vivace-LTE

Start at: 2018-01-16 15:05:41
End at: 2018-01-16 15:06:11
Local clock offset: 0.367 ms
Remote clock offset: -17.764 ms

Below is generated by plot.py at 2018-01-16 18:03:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: -3.538 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: -3.538 ms
Loss rate: 0.65%

Run 5: Report of Vivace-LTE — Data Link

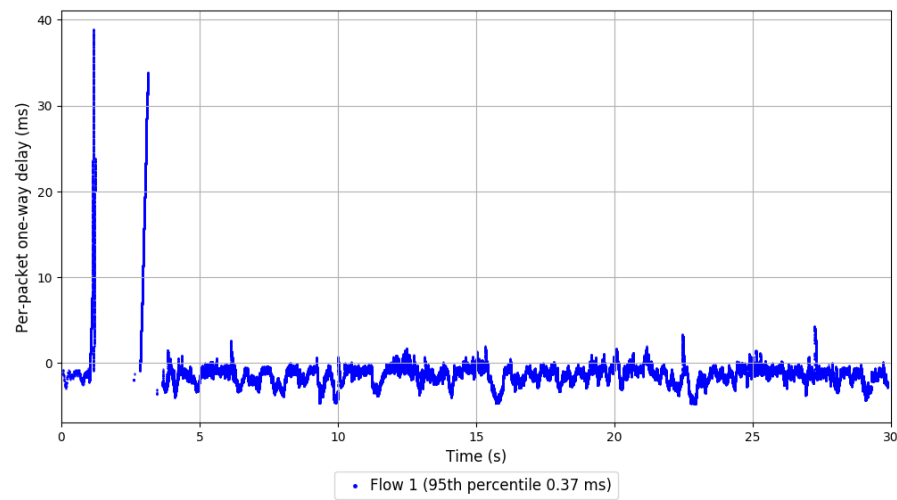
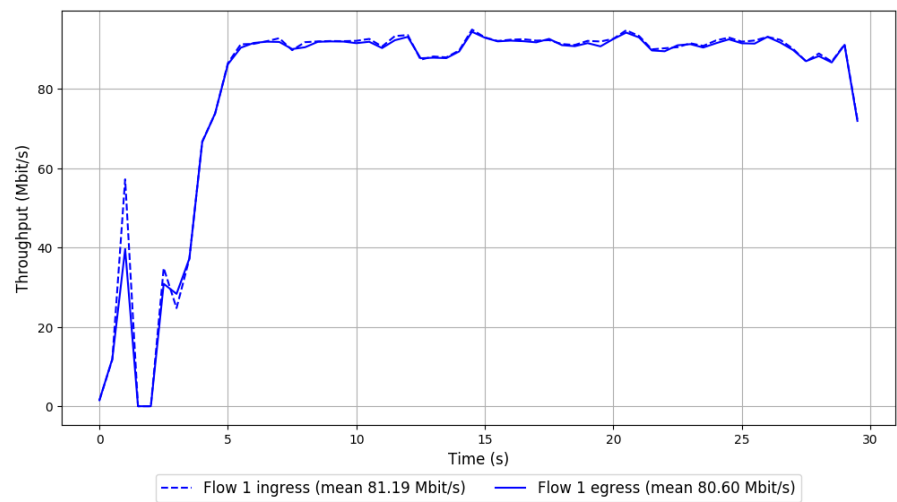


Run 6: Statistics of Vivace-LTE

Start at: 2018-01-16 15:26:47
End at: 2018-01-16 15:27:17
Local clock offset: -0.137 ms
Remote clock offset: -17.317 ms

Below is generated by plot.py at 2018-01-16 18:04:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 0.372 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 0.372 ms
Loss rate: 0.73%

Run 6: Report of Vivace-LTE — Data Link

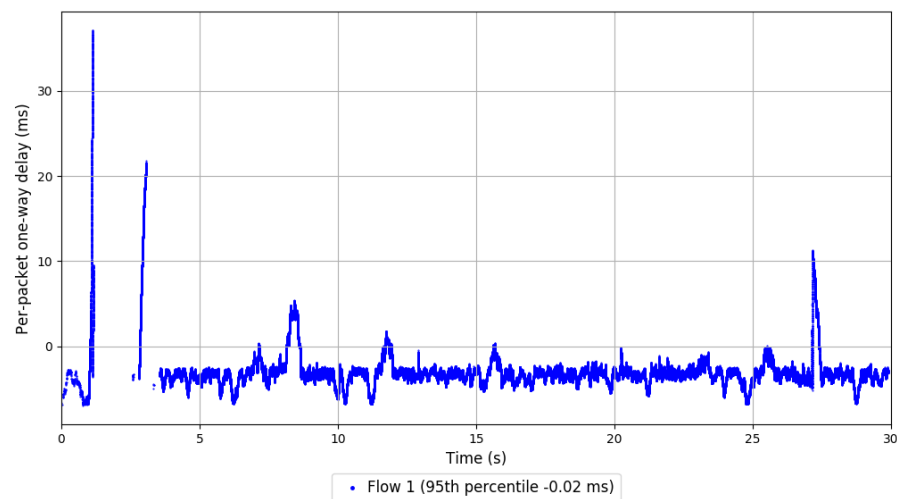
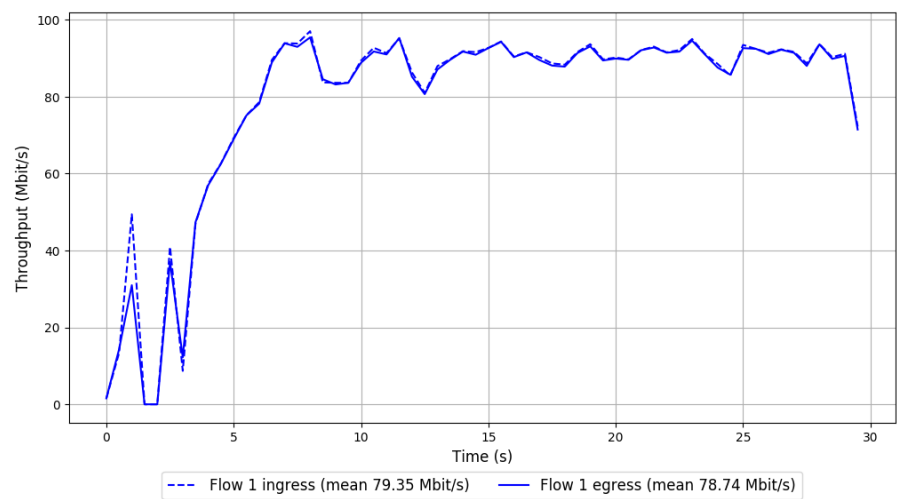


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-16 15:48:03
End at: 2018-01-16 15:48:33
Local clock offset: 1.941 ms
Remote clock offset: -17.948 ms

Below is generated by plot.py at 2018-01-16 18:04:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: -0.023 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: -0.023 ms
Loss rate: 0.76%

Run 7: Report of Vivace-LTE — Data Link

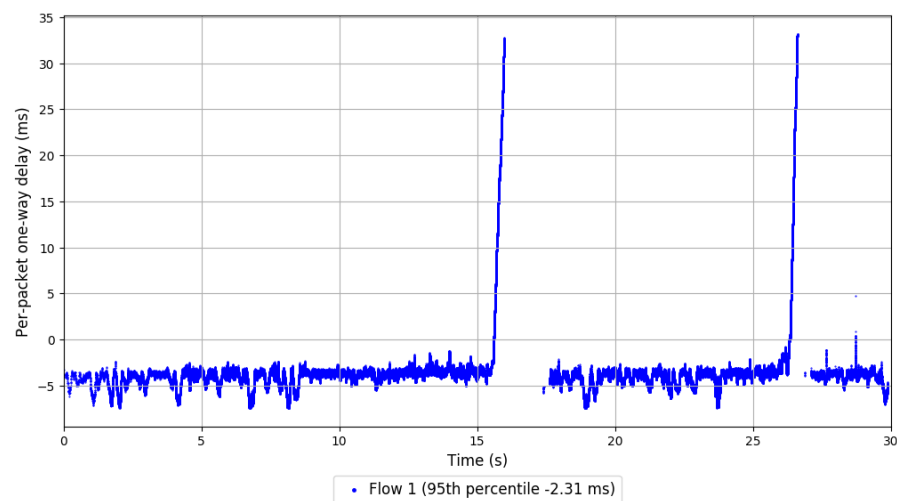
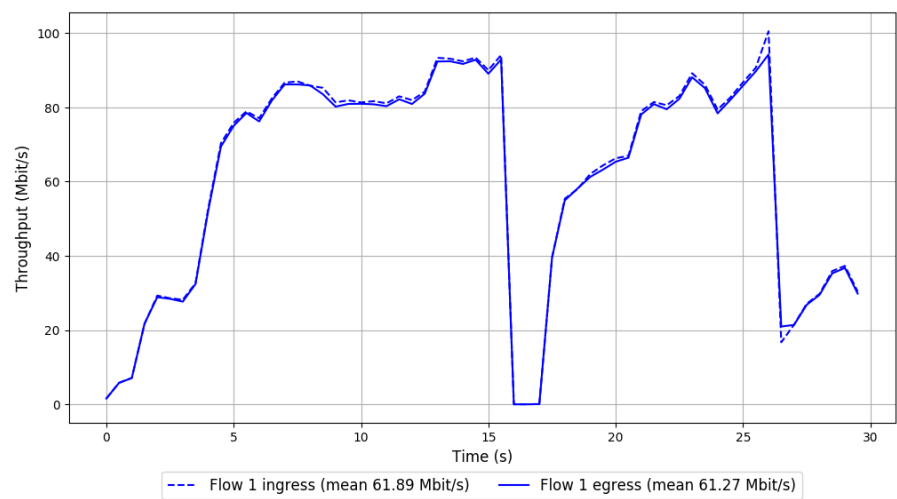


Run 8: Statistics of Vivace-LTE

Start at: 2018-01-16 16:08:51
End at: 2018-01-16 16:09:21
Local clock offset: 1.099 ms
Remote clock offset: -19.959 ms

Below is generated by plot.py at 2018-01-16 18:04:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: -2.310 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: -2.310 ms
Loss rate: 1.00%

Run 8: Report of Vivace-LTE — Data Link

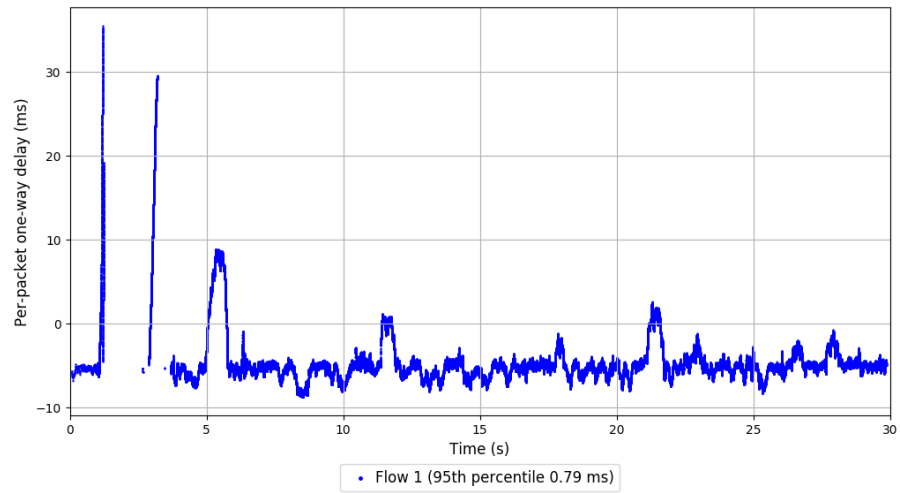
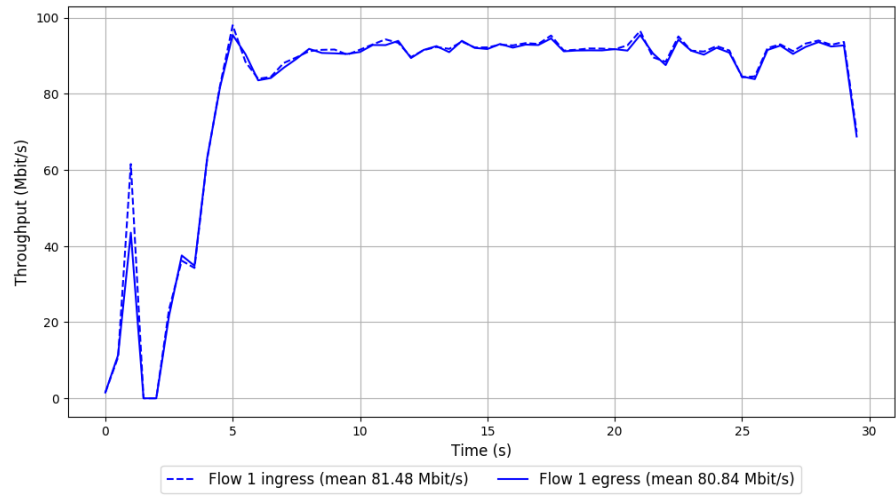


Run 9: Statistics of Vivace-LTE

Start at: 2018-01-16 16:29:44
End at: 2018-01-16 16:30:14
Local clock offset: 0.946 ms
Remote clock offset: -21.983 ms

Below is generated by plot.py at 2018-01-16 18:04:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 0.787 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 0.787 ms
Loss rate: 0.79%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-16 16:50:37
End at: 2018-01-16 16:51:07
Local clock offset: 2.097 ms
Remote clock offset: -21.412 ms

Below is generated by plot.py at 2018-01-16 18:04:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: -4.317 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: -4.317 ms
Loss rate: 0.36%

Run 10: Report of Vivace-LTE — Data Link

