

Pantheon Report

Generated at 2018-01-16 19:17:19 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico 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).

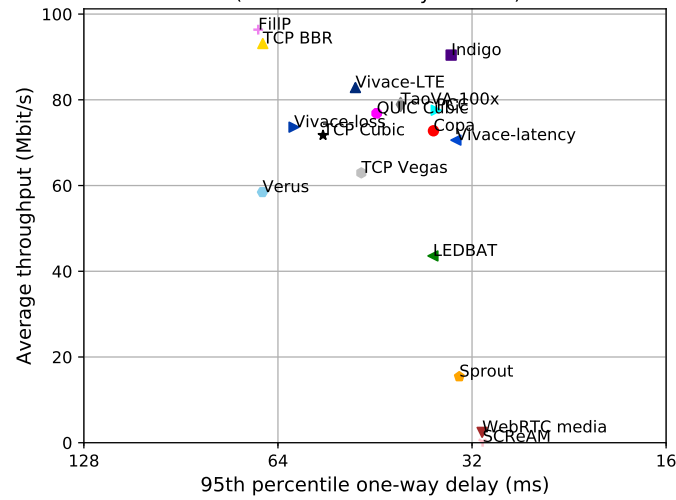
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

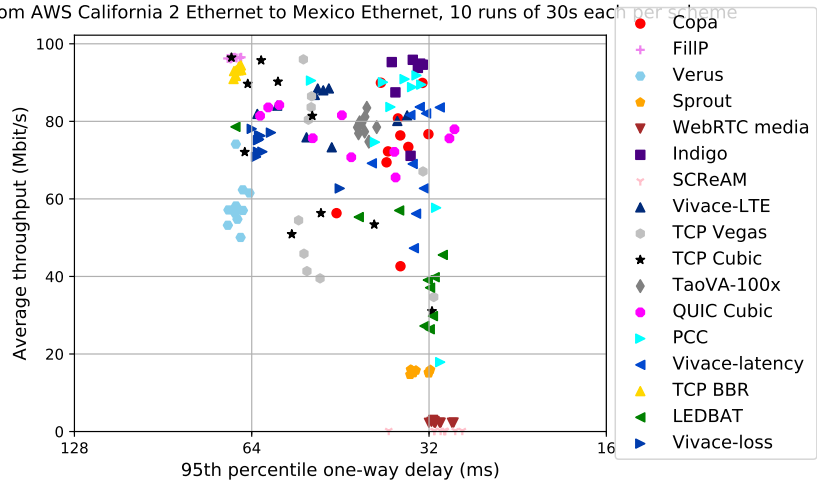
Git summary:

```
branch: master @ af8abdfba95588b0c5f2aeca9e856a1656b0c598
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fixlisp @ 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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme



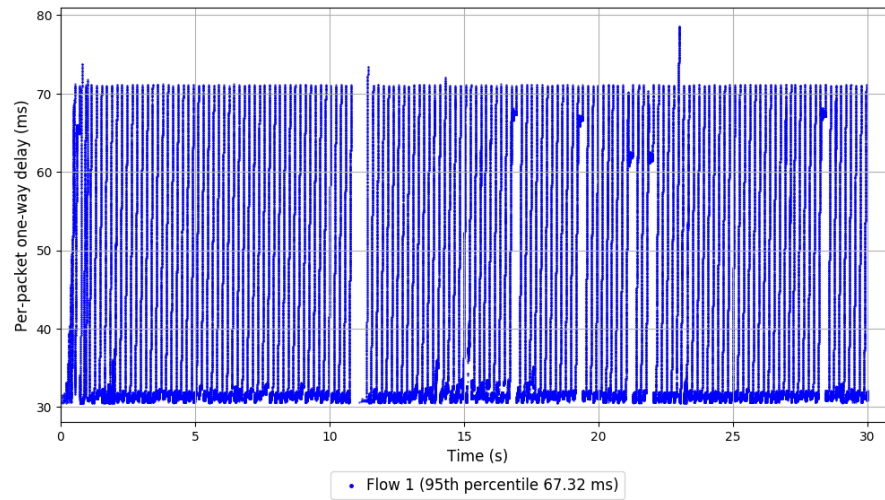
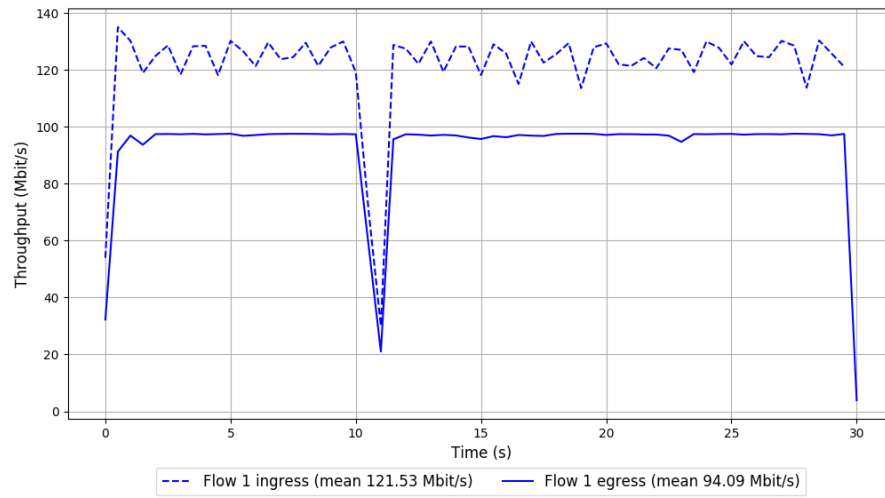
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.13	67.56	22.57
TCP Cubic	10	71.73	54.48	0.32
LEDBAT	10	43.58	36.80	0.11
PCC	10	77.56	36.36	0.46
QUIC Cubic	10	76.84	44.98	0.61
SCReAM	10	0.22	30.81	0.04
WebRTC media	10	2.42	30.87	0.06
Sprout	10	15.43	33.49	0.08
TaoVA-100x	10	78.92	41.30	0.07
TCP Vegas	10	62.95	47.52	0.33
Verus	10	58.46	67.64	42.11
Copa	10	72.77	36.73	0.33
FillP	10	96.37	68.68	26.03
Indigo	7	90.43	34.48	0.16
Vivace-latency	9	70.60	33.90	0.13
Vivace-loss	10	73.62	60.42	4.00
Vivace-LTE	10	82.87	48.53	0.84

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 14:15:33
End at: 2018-01-16 14:16:03
Local clock offset: -0.162 ms
Remote clock offset: -3.788 ms

Below is generated by plot.py at 2018-01-16 18:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 67.324 ms
Loss rate: 22.58%
-- Flow 1:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 67.324 ms
Loss rate: 22.58%

Run 1: Report of TCP BBR — Data Link

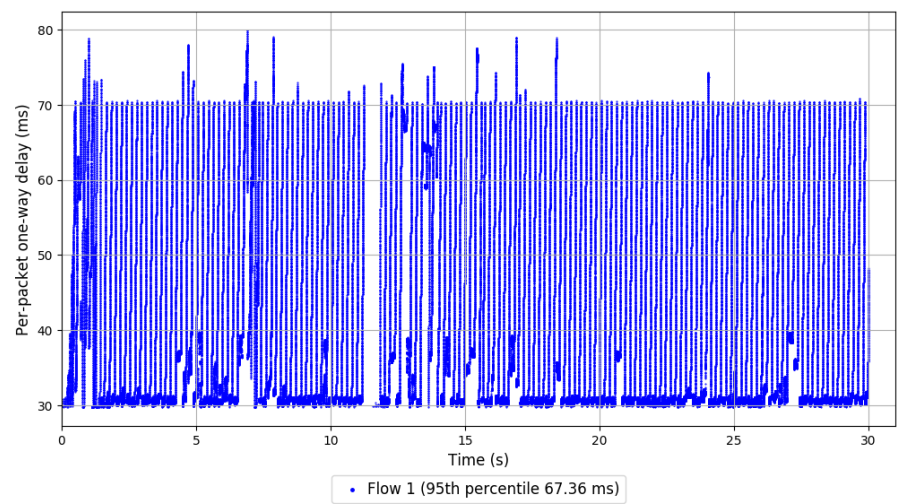
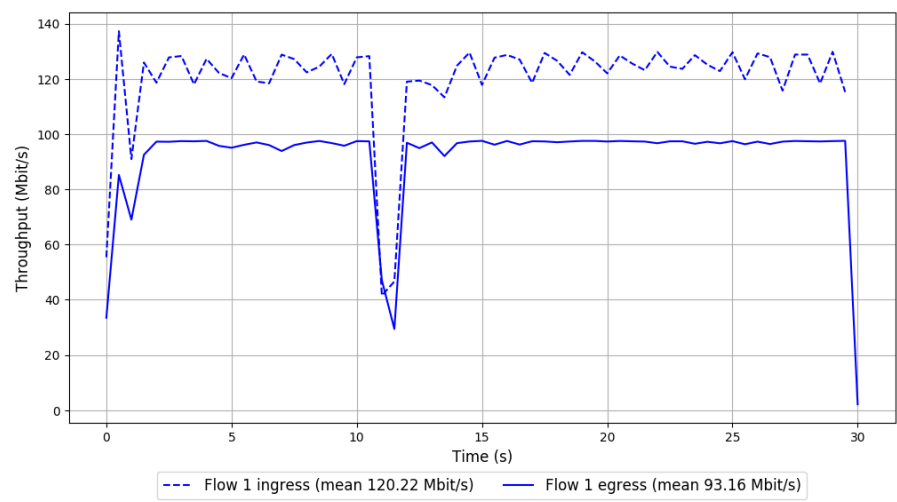


Run 2: Statistics of TCP BBR

Start at: 2018-01-16 14:39:53
End at: 2018-01-16 14:40:23
Local clock offset: -0.091 ms
Remote clock offset: -4.292 ms

Below is generated by plot.py at 2018-01-16 18:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 67.358 ms
Loss rate: 22.46%
-- Flow 1:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 67.358 ms
Loss rate: 22.46%

Run 2: Report of TCP BBR — Data Link

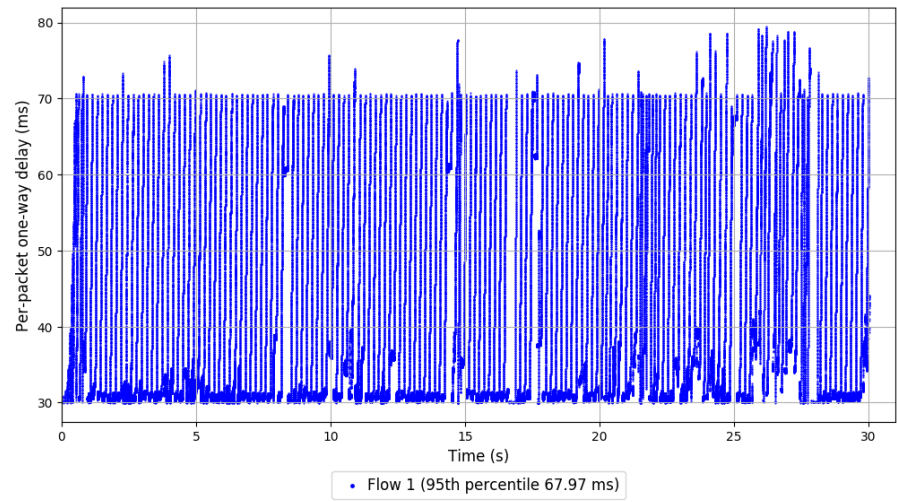
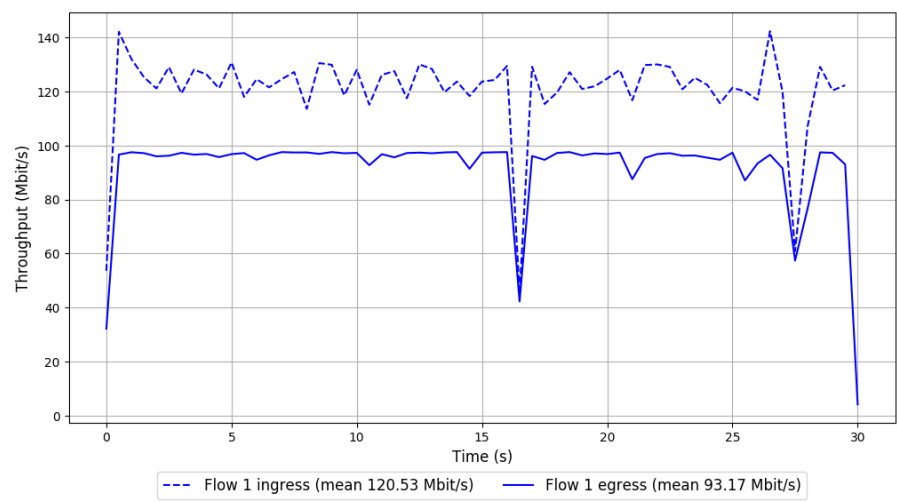


Run 3: Statistics of TCP BBR

Start at: 2018-01-16 15:04:37
End at: 2018-01-16 15:05:07
Local clock offset: -0.127 ms
Remote clock offset: -4.525 ms

Below is generated by plot.py at 2018-01-16 18:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 67.972 ms
Loss rate: 22.66%
-- Flow 1:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 67.972 ms
Loss rate: 22.66%

Run 3: Report of TCP BBR — Data Link

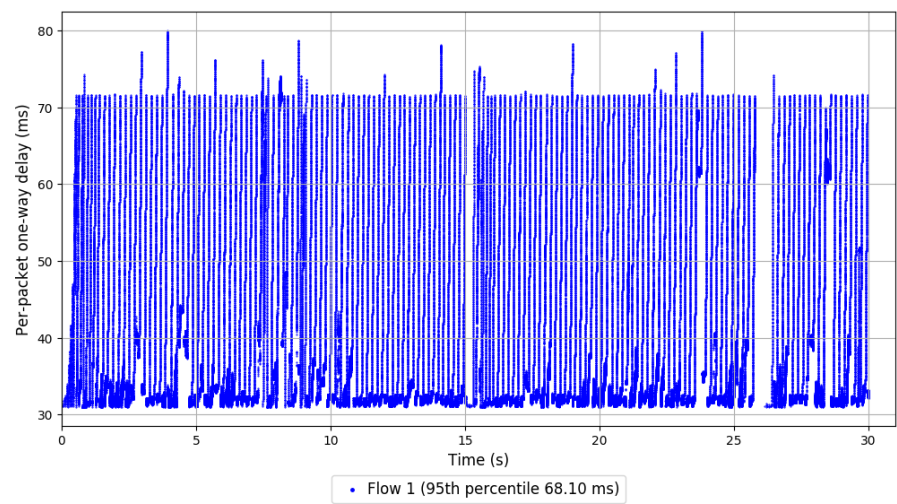
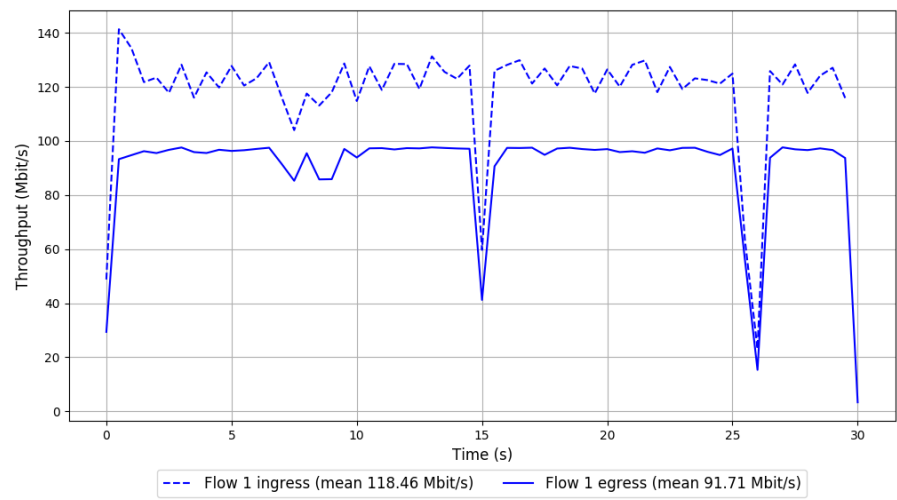


Run 4: Statistics of TCP BBR

Start at: 2018-01-16 15:30:26
End at: 2018-01-16 15:30:56
Local clock offset: -0.025 ms
Remote clock offset: -5.192 ms

Below is generated by plot.py at 2018-01-16 18:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 68.097 ms
Loss rate: 22.58%
-- Flow 1:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 68.097 ms
Loss rate: 22.58%

Run 4: Report of TCP BBR — Data Link

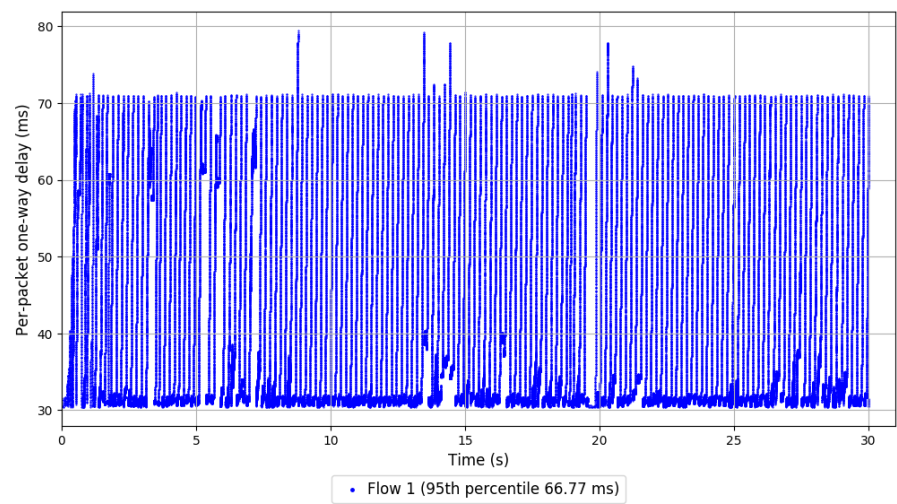
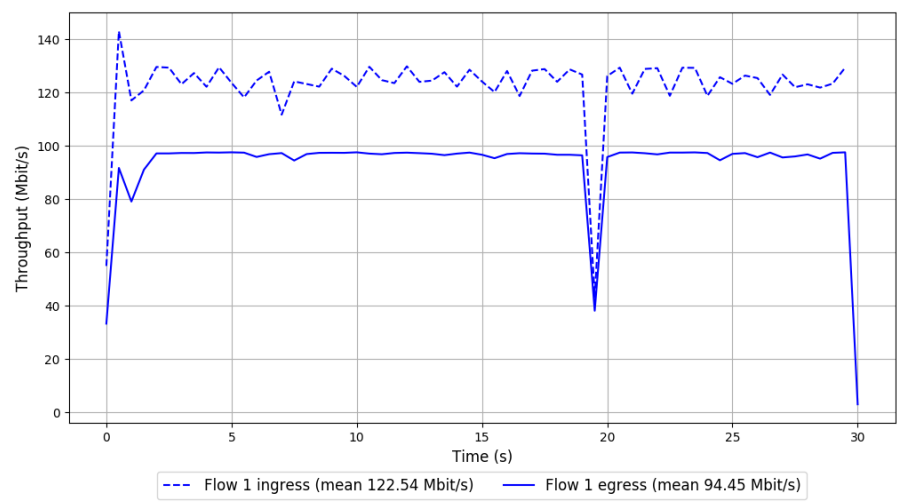


Run 5: Statistics of TCP BBR

Start at: 2018-01-16 15:56:49
End at: 2018-01-16 15:57:19
Local clock offset: -0.03 ms
Remote clock offset: -4.913 ms

Below is generated by plot.py at 2018-01-16 18:53:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 66.773 ms
Loss rate: 22.93%
-- Flow 1:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 66.773 ms
Loss rate: 22.93%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-16 16:21:42

End at: 2018-01-16 16:22:12

Local clock offset: -0.11 ms

Remote clock offset: -4.279 ms

Below is generated by plot.py at 2018-01-16 18:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.96 Mbit/s

95th percentile per-packet one-way delay: 68.587 ms

Loss rate: 23.08%

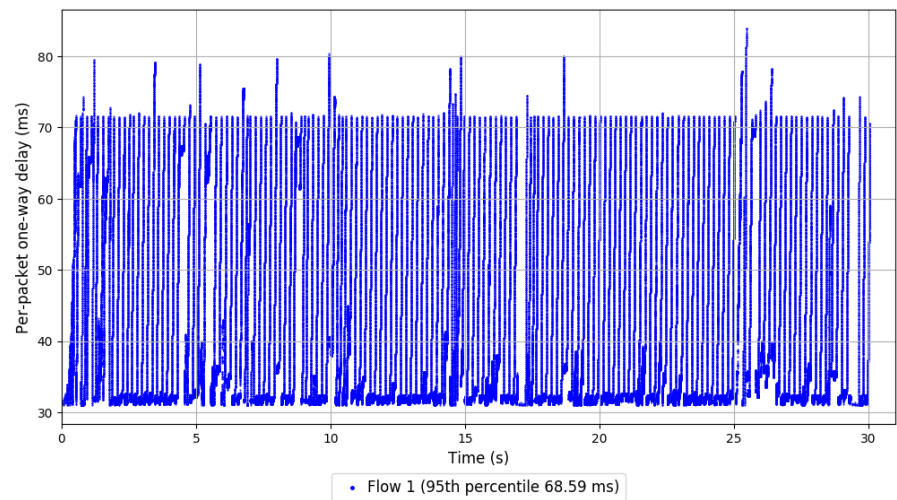
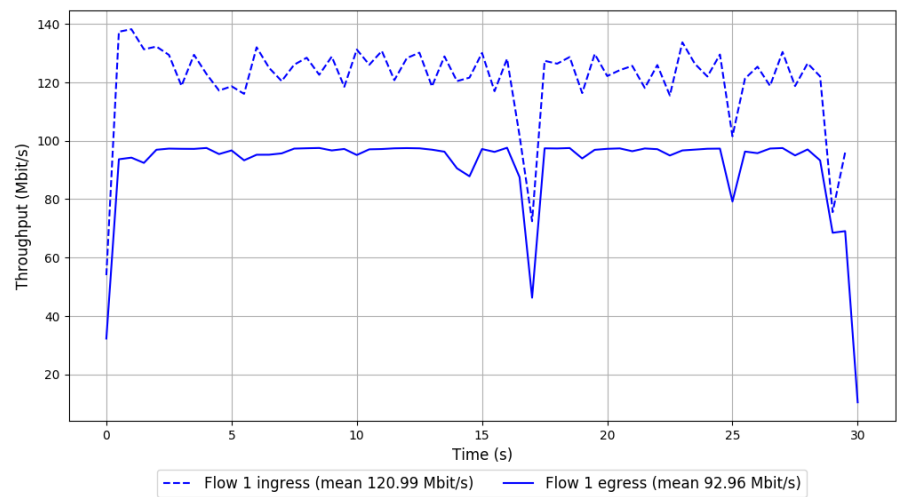
-- Flow 1:

Average throughput: 92.96 Mbit/s

95th percentile per-packet one-way delay: 68.587 ms

Loss rate: 23.08%

Run 6: Report of TCP BBR — Data Link

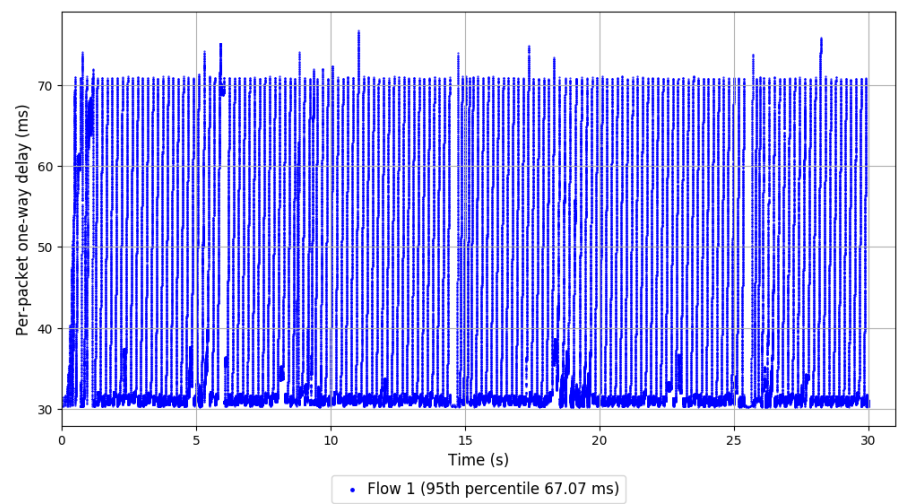
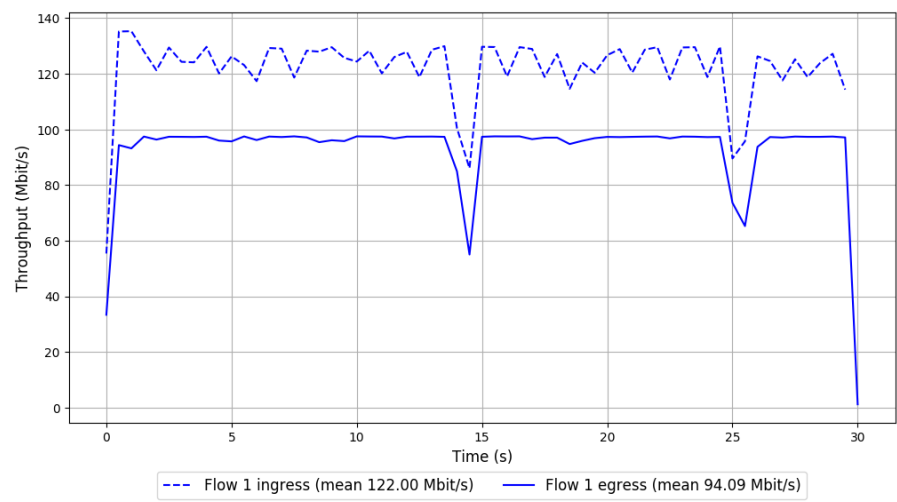


Run 7: Statistics of TCP BBR

Start at: 2018-01-16 16:47:17
End at: 2018-01-16 16:47:47
Local clock offset: 0.108 ms
Remote clock offset: -1.497 ms

Below is generated by plot.py at 2018-01-16 18:53:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 67.069 ms
Loss rate: 22.88%
-- Flow 1:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 67.069 ms
Loss rate: 22.88%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-16 17:13:22

End at: 2018-01-16 17:13:52

Local clock offset: 0.157 ms

Remote clock offset: 0.548 ms

Below is generated by plot.py at 2018-01-16 18:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.93 Mbit/s

95th percentile per-packet one-way delay: 68.716 ms

Loss rate: 22.73%

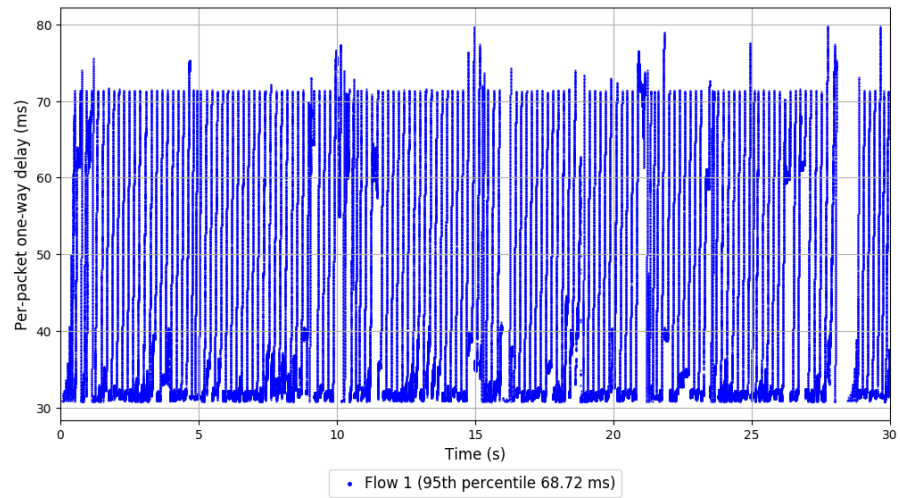
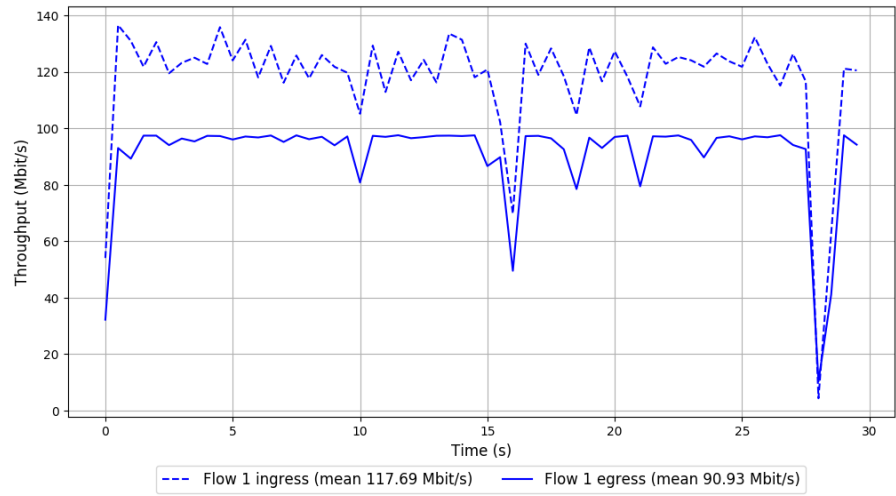
-- Flow 1:

Average throughput: 90.93 Mbit/s

95th percentile per-packet one-way delay: 68.716 ms

Loss rate: 22.73%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-16 17:40:53

End at: 2018-01-16 17:41:23

Local clock offset: 0.207 ms

Remote clock offset: -2.383 ms

Below is generated by plot.py at 2018-01-16 18:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.26 Mbit/s

95th percentile per-packet one-way delay: 66.687 ms

Loss rate: 21.96%

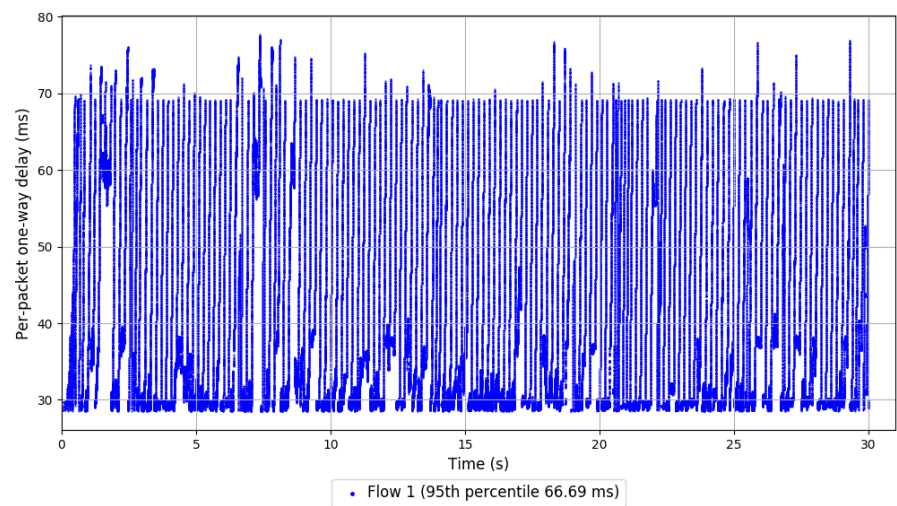
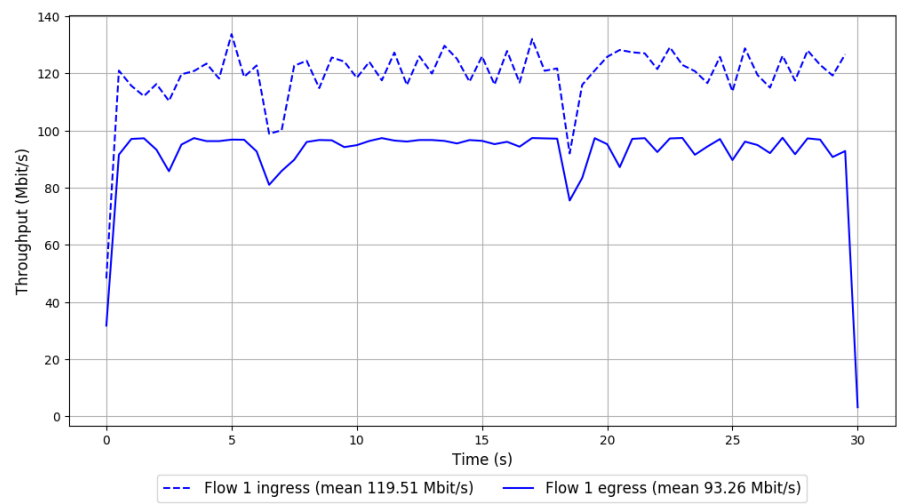
-- Flow 1:

Average throughput: 93.26 Mbit/s

95th percentile per-packet one-way delay: 66.687 ms

Loss rate: 21.96%

Run 9: Report of TCP BBR — Data Link

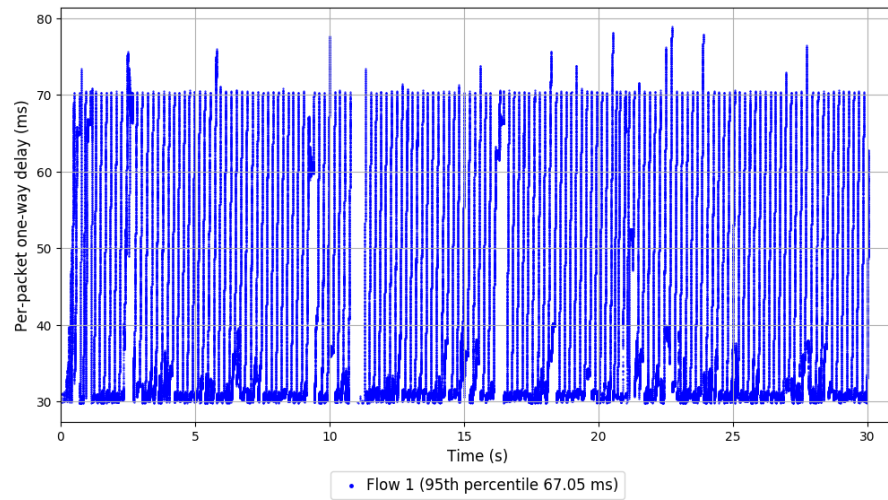
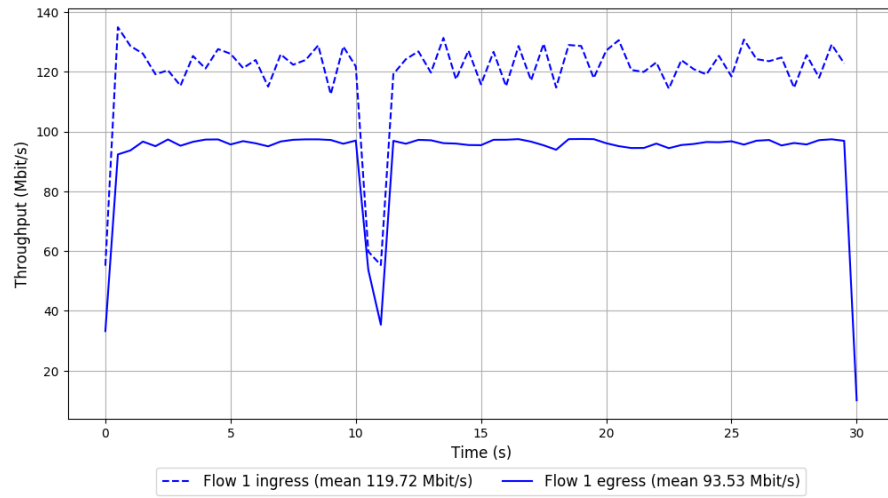


Run 10: Statistics of TCP BBR

Start at: 2018-01-16 18:07:36
End at: 2018-01-16 18:08:06
Local clock offset: -0.279 ms
Remote clock offset: -2.177 ms

Below is generated by plot.py at 2018-01-16 18:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 67.051 ms
Loss rate: 21.82%
-- Flow 1:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 67.051 ms
Loss rate: 21.82%

Run 10: Report of TCP BBR — Data Link

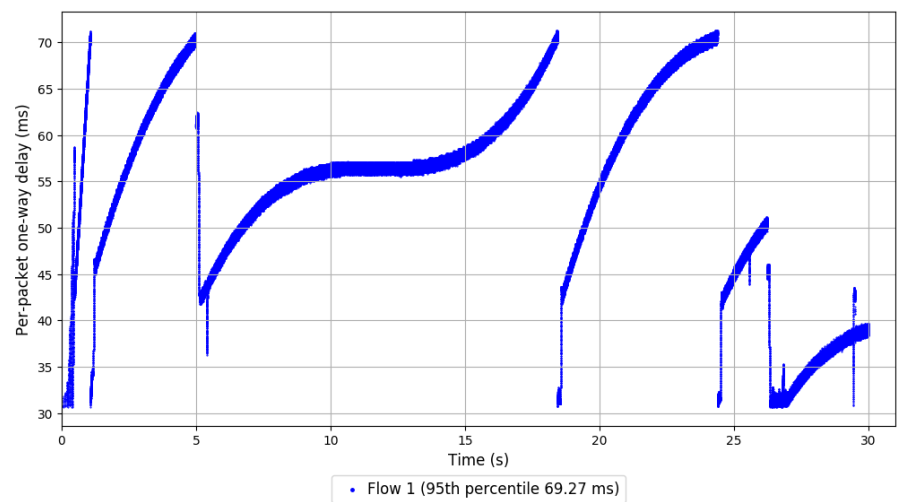
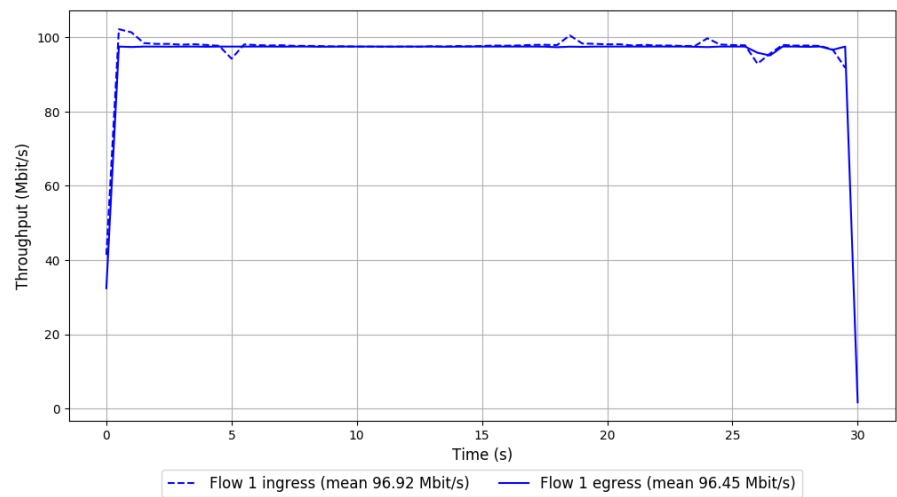


Run 1: Statistics of TCP Cubic

Start at: 2018-01-16 14:26:19
End at: 2018-01-16 14:26:49
Local clock offset: -0.287 ms
Remote clock offset: -3.996 ms

Below is generated by plot.py at 2018-01-16 18:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 69.274 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 69.274 ms
Loss rate: 0.46%

Run 1: Report of TCP Cubic — Data Link

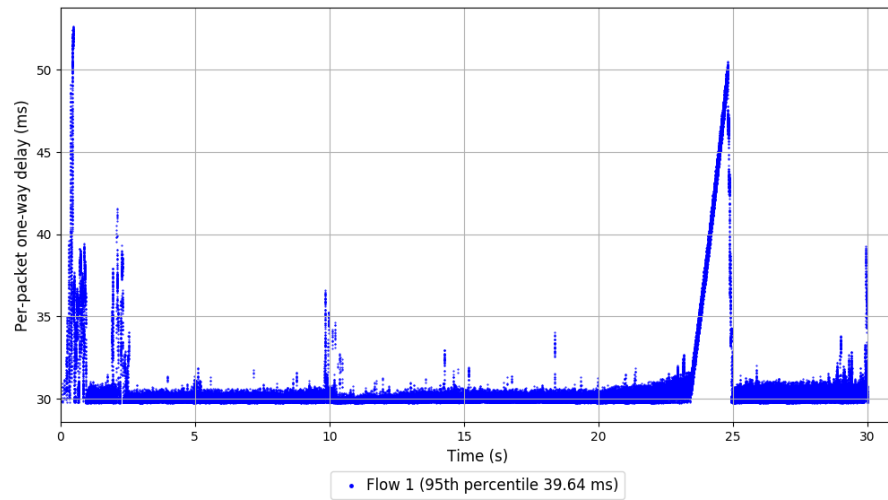
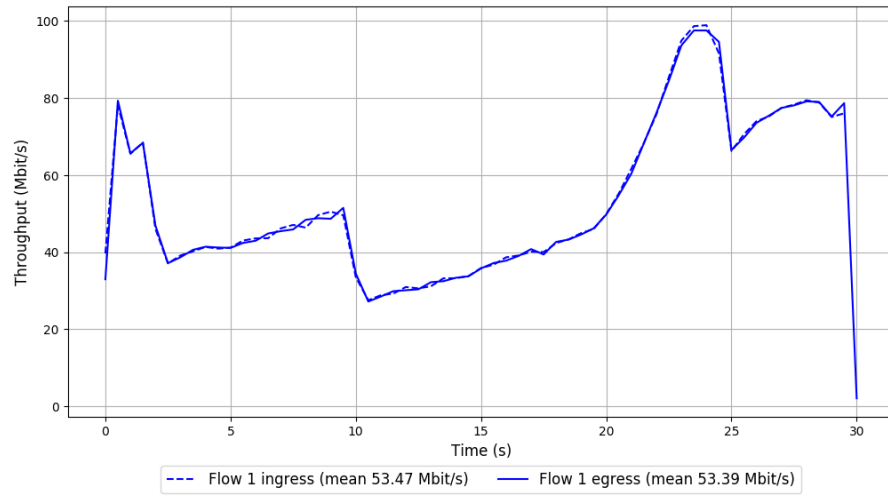


Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 14:50:38
End at: 2018-01-16 14:51:08
Local clock offset: -0.086 ms
Remote clock offset: -4.447 ms

Below is generated by plot.py at 2018-01-16 18:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.39 Mbit/s
95th percentile per-packet one-way delay: 39.642 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 53.39 Mbit/s
95th percentile per-packet one-way delay: 39.642 ms
Loss rate: 0.15%

Run 2: Report of TCP Cubic — Data Link

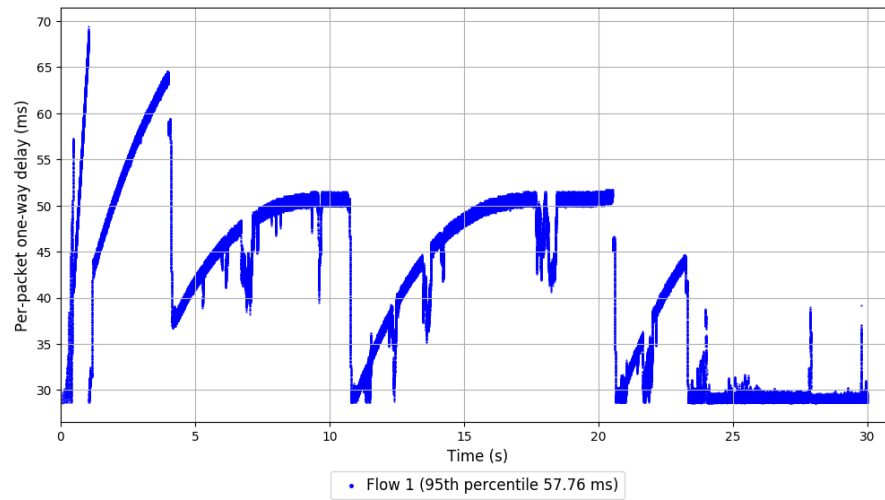
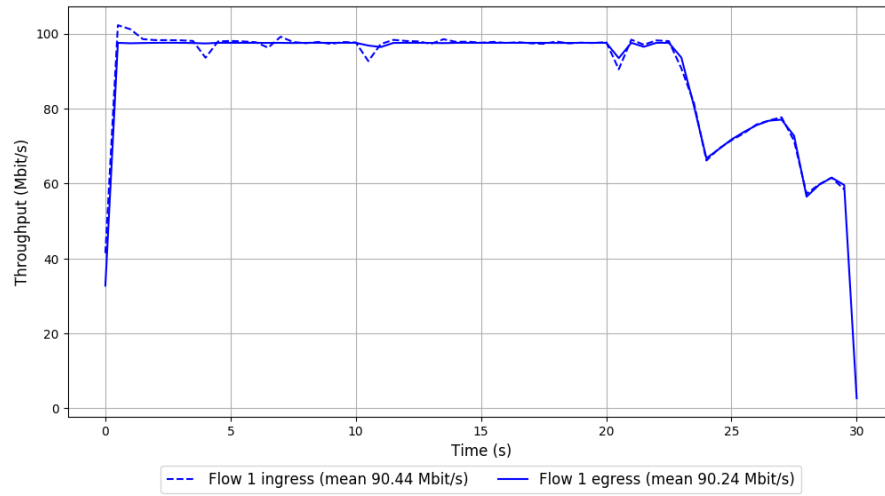


Run 3: Statistics of TCP Cubic

Start at: 2018-01-16 15:16:01
End at: 2018-01-16 15:16:31
Local clock offset: -0.083 ms
Remote clock offset: -6.955 ms

Below is generated by plot.py at 2018-01-16 18:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.24 Mbit/s
95th percentile per-packet one-way delay: 57.764 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 90.24 Mbit/s
95th percentile per-packet one-way delay: 57.764 ms
Loss rate: 0.23%

Run 3: Report of TCP Cubic — Data Link

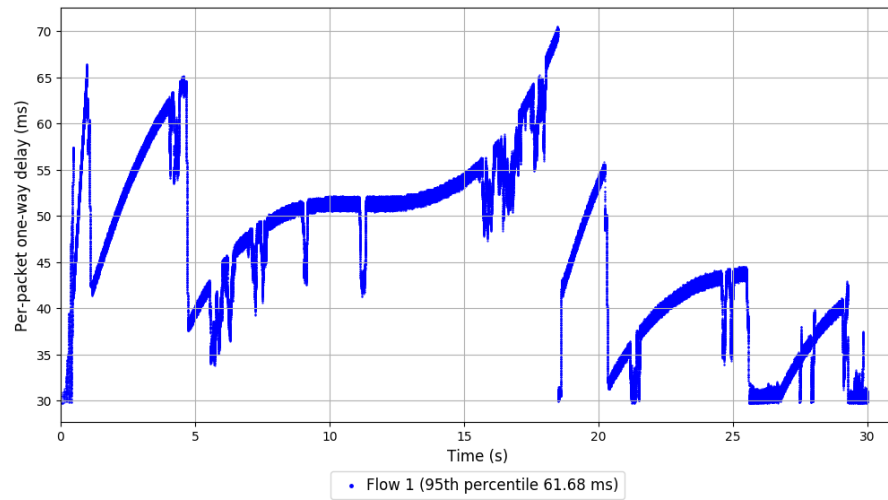
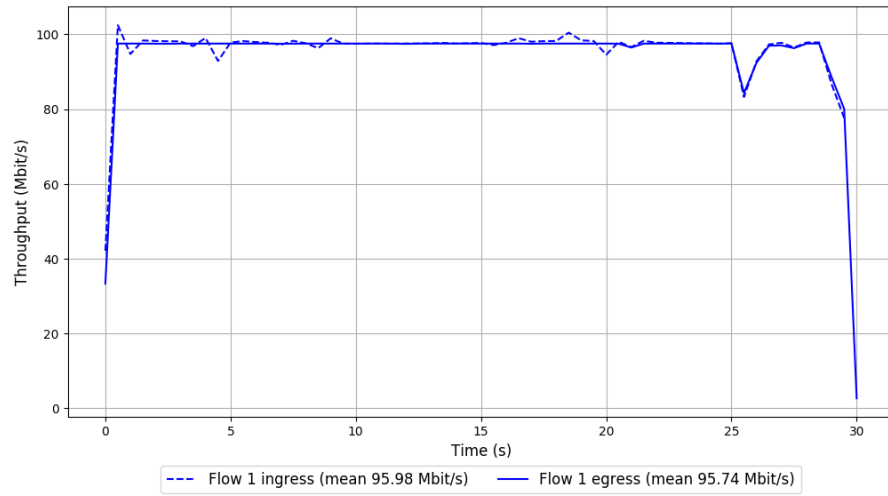


Run 4: Statistics of TCP Cubic

Start at: 2018-01-16 15:42:06
End at: 2018-01-16 15:42:36
Local clock offset: 0.041 ms
Remote clock offset: -5.942 ms

Below is generated by plot.py at 2018-01-16 18:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 61.683 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 61.683 ms
Loss rate: 0.24%

Run 4: Report of TCP Cubic — Data Link

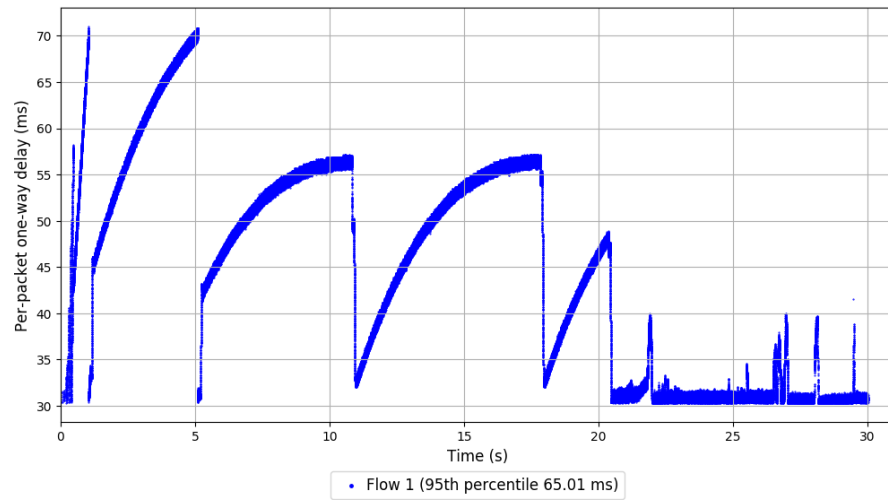
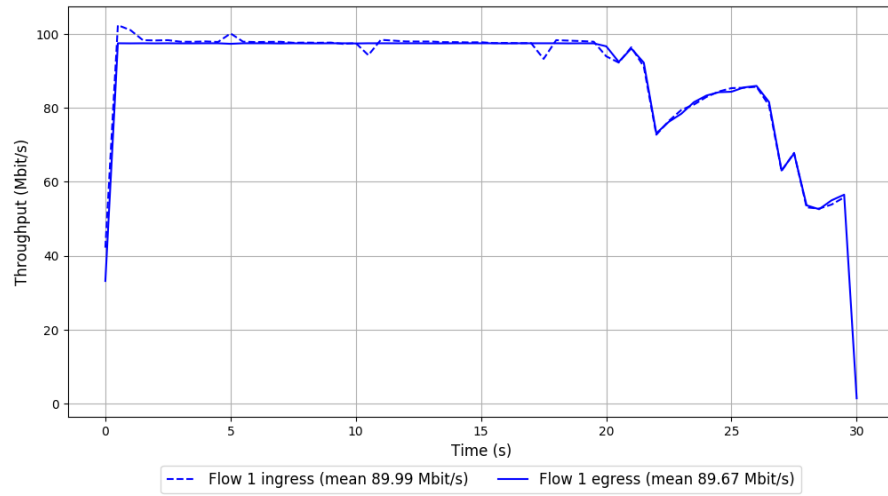


Run 5: Statistics of TCP Cubic

Start at: 2018-01-16 16:08:00
End at: 2018-01-16 16:08:30
Local clock offset: 0.019 ms
Remote clock offset: -4.767 ms

Below is generated by plot.py at 2018-01-16 18:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.67 Mbit/s
95th percentile per-packet one-way delay: 65.011 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 89.67 Mbit/s
95th percentile per-packet one-way delay: 65.011 ms
Loss rate: 0.35%

Run 5: Report of TCP Cubic — Data Link

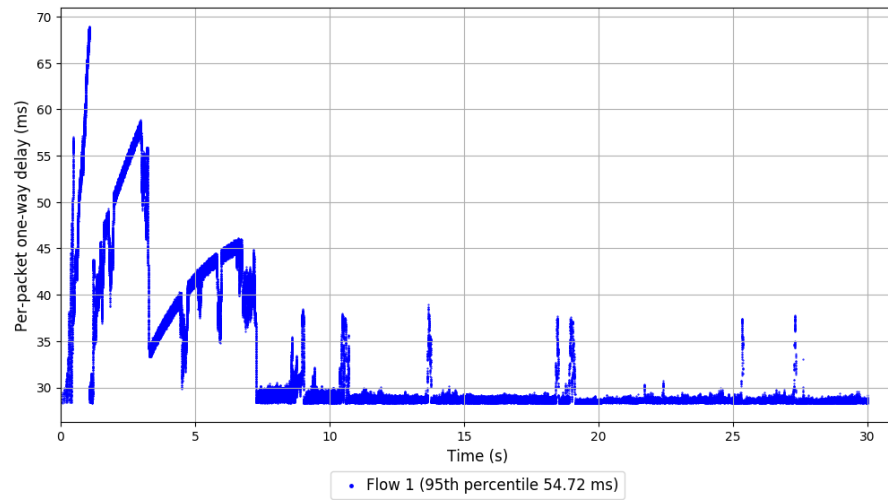
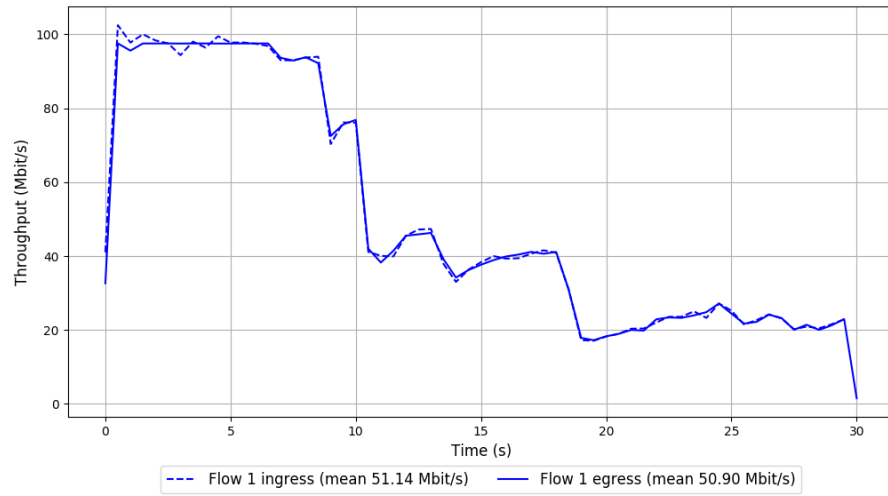


Run 6: Statistics of TCP Cubic

Start at: 2018-01-16 16:33:09
End at: 2018-01-16 16:33:39
Local clock offset: 0.002 ms
Remote clock offset: -6.158 ms

Below is generated by plot.py at 2018-01-16 18:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.90 Mbit/s
95th percentile per-packet one-way delay: 54.721 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 50.90 Mbit/s
95th percentile per-packet one-way delay: 54.721 ms
Loss rate: 0.48%

Run 6: Report of TCP Cubic — Data Link

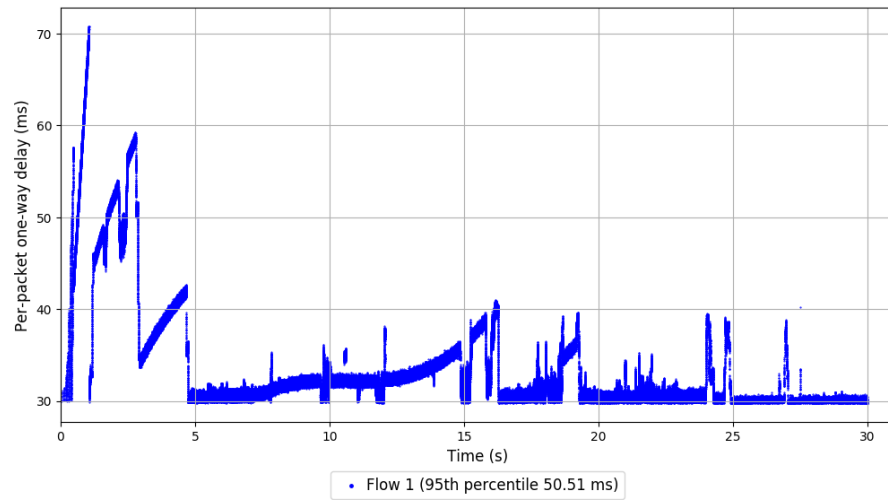
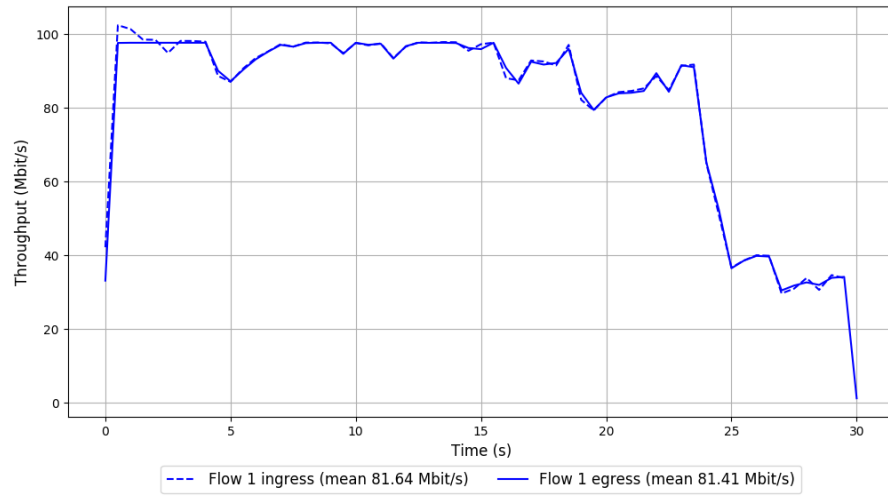


Run 7: Statistics of TCP Cubic

Start at: 2018-01-16 16:58:38
End at: 2018-01-16 16:59:08
Local clock offset: 0.106 ms
Remote clock offset: -0.781 ms

Below is generated by plot.py at 2018-01-16 18:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 50.506 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 50.506 ms
Loss rate: 0.29%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-16 17:25:36

End at: 2018-01-16 17:26:06

Local clock offset: 0.147 ms

Remote clock offset: 0.795 ms

Below is generated by plot.py at 2018-01-16 18:55:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.34 Mbit/s

95th percentile per-packet one-way delay: 48.825 ms

Loss rate: 0.45%

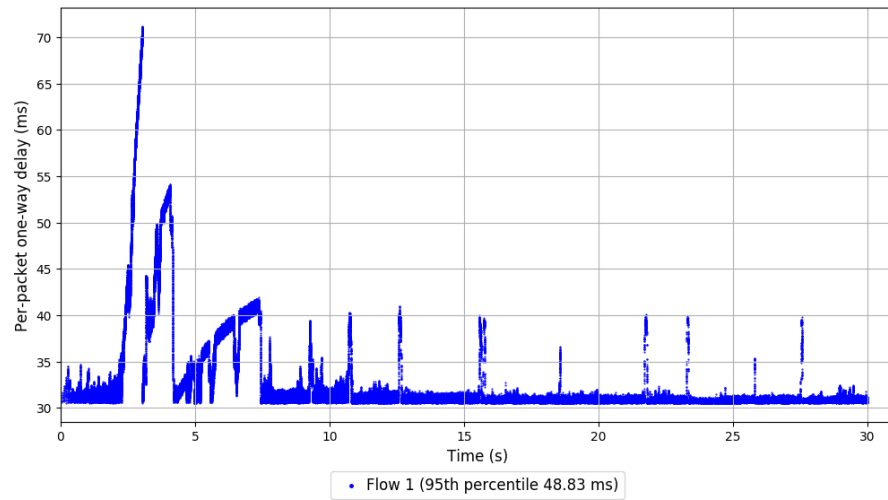
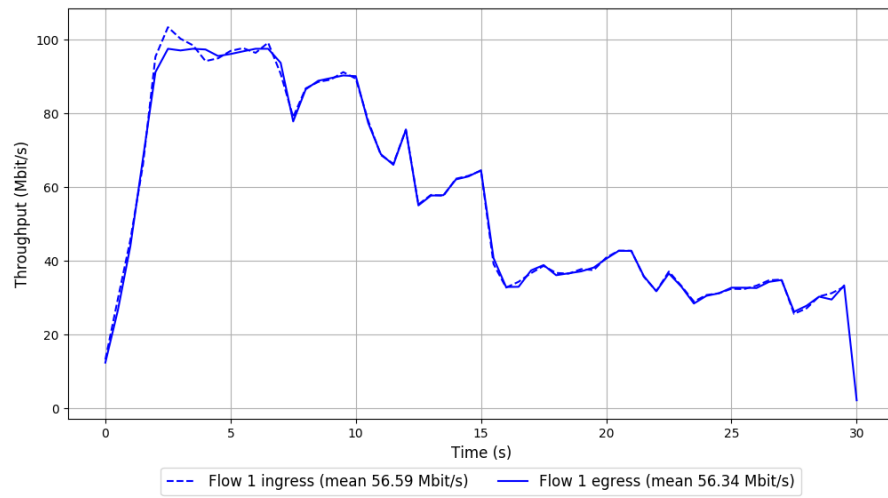
-- Flow 1:

Average throughput: 56.34 Mbit/s

95th percentile per-packet one-way delay: 48.825 ms

Loss rate: 0.45%

Run 8: Report of TCP Cubic — Data Link

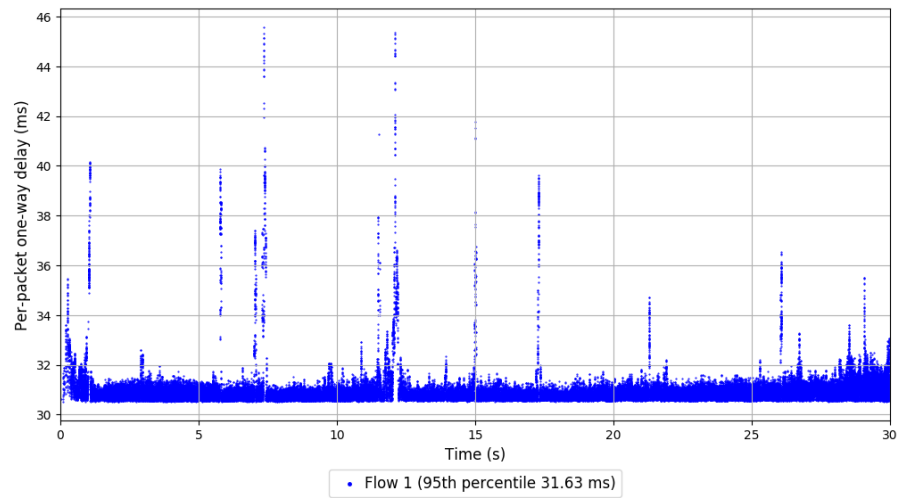
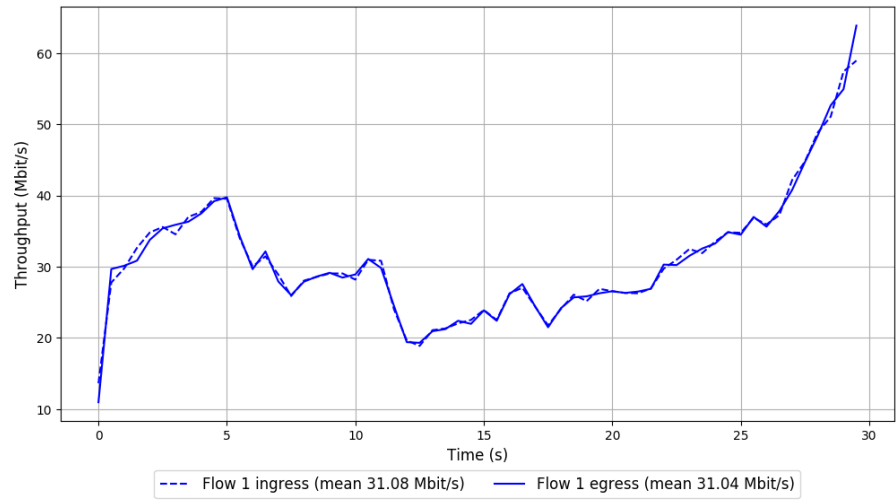


Run 9: Statistics of TCP Cubic

Start at: 2018-01-16 17:53:00
End at: 2018-01-16 17:53:30
Local clock offset: 0.286 ms
Remote clock offset: -1.154 ms

Below is generated by plot.py at 2018-01-16 18:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 31.631 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 31.631 ms
Loss rate: 0.13%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-16 18:19:07

End at: 2018-01-16 18:19:37

Local clock offset: -0.766 ms

Remote clock offset: -2.994 ms

Below is generated by plot.py at 2018-01-16 18:55:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.09 Mbit/s

95th percentile per-packet one-way delay: 65.767 ms

Loss rate: 0.42%

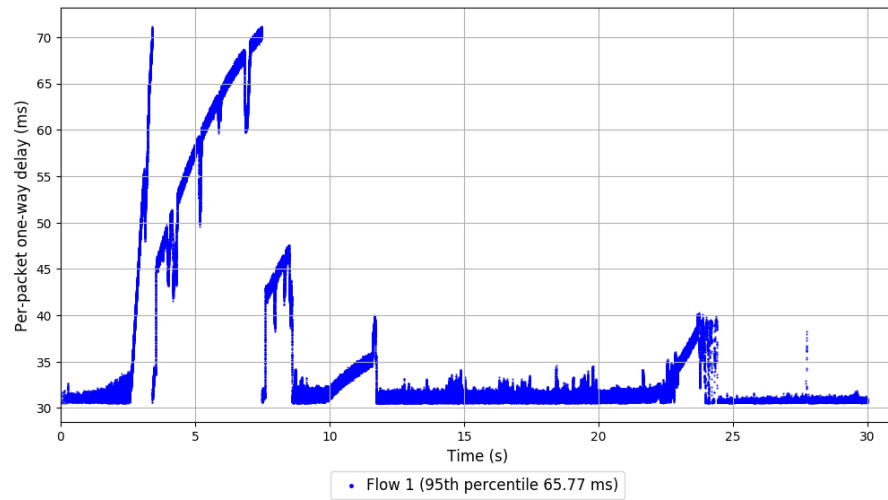
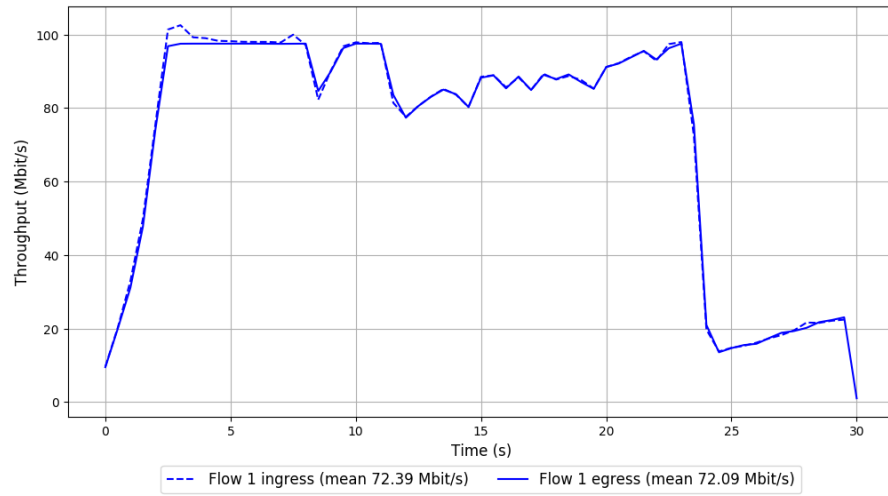
-- Flow 1:

Average throughput: 72.09 Mbit/s

95th percentile per-packet one-way delay: 65.767 ms

Loss rate: 0.42%

Run 10: Report of TCP Cubic — Data Link

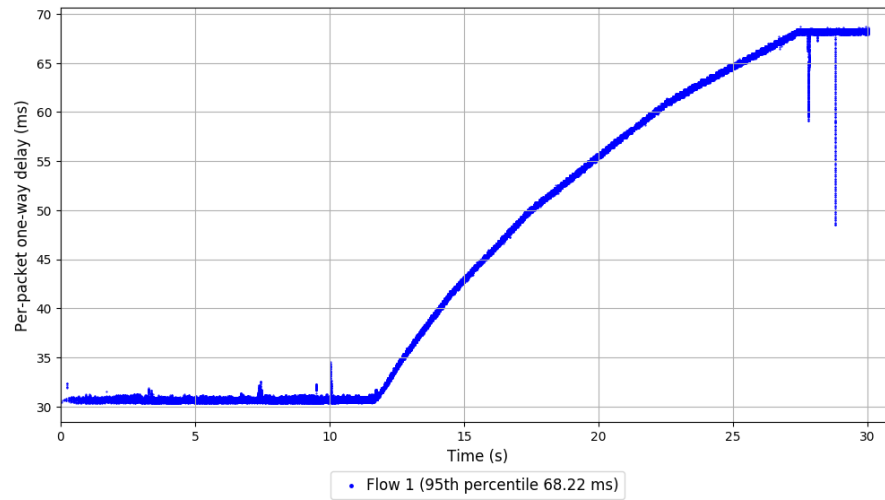
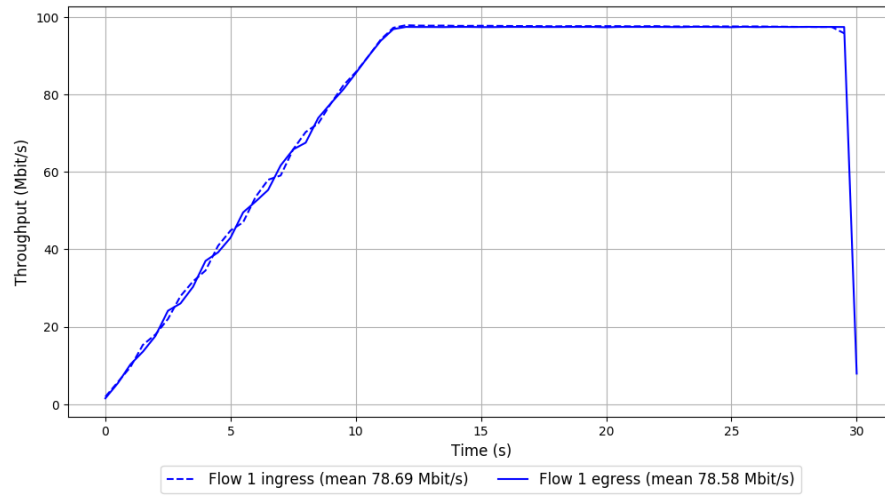


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-16 14:06:06
End at: 2018-01-16 14:06:36
Local clock offset: -0.204 ms
Remote clock offset: -3.176 ms

# Below is generated by plot.py at 2018-01-16 18:55:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 68.219 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 68.219 ms
Loss rate: 0.08%
```


Run 1: Report of LEDBAT — Data Link

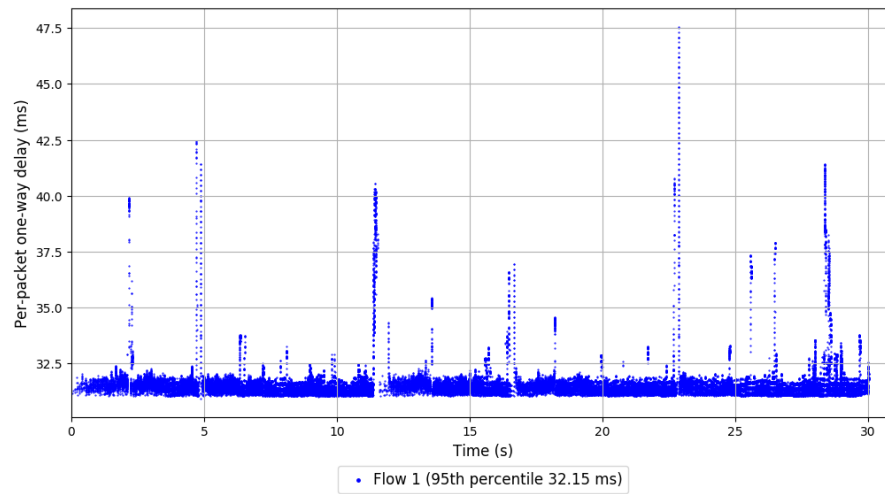
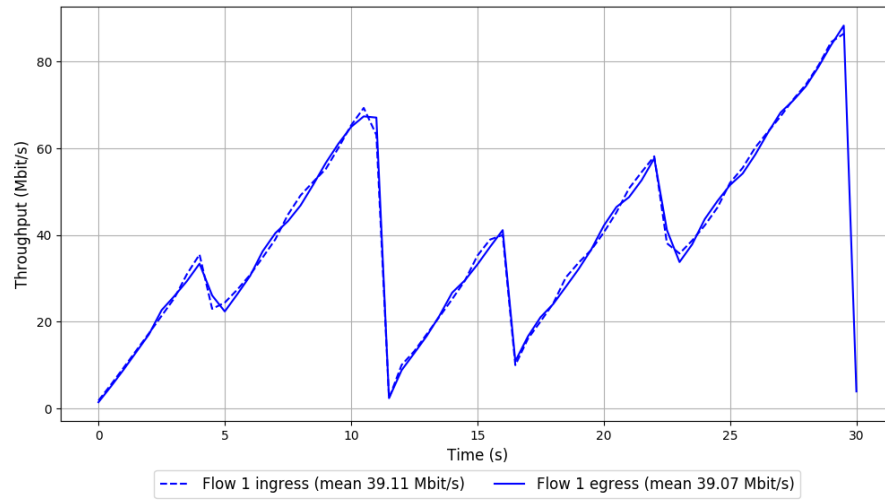


Run 2: Statistics of LEDBAT

Start at: 2018-01-16 14:30:28
End at: 2018-01-16 14:30:58
Local clock offset: -0.248 ms
Remote clock offset: -3.682 ms

Below is generated by plot.py at 2018-01-16 18:55:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 32.152 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 32.152 ms
Loss rate: 0.12%

Run 2: Report of LEDBAT — Data Link

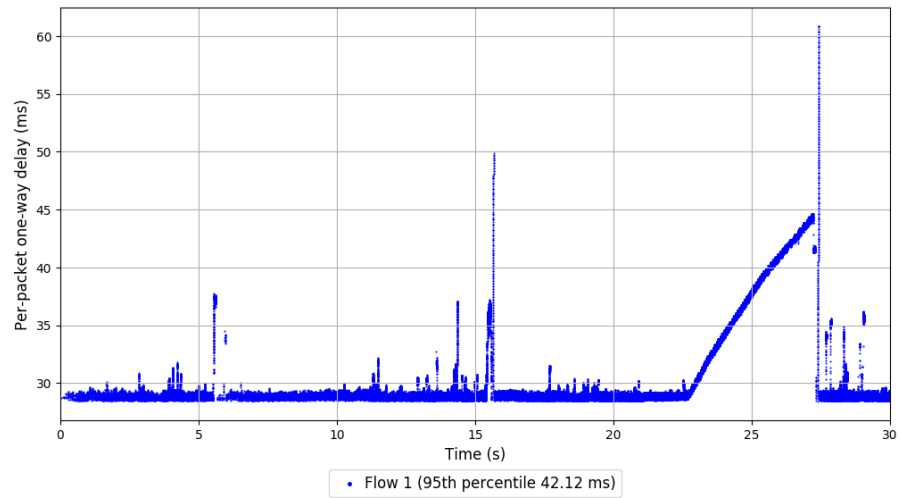
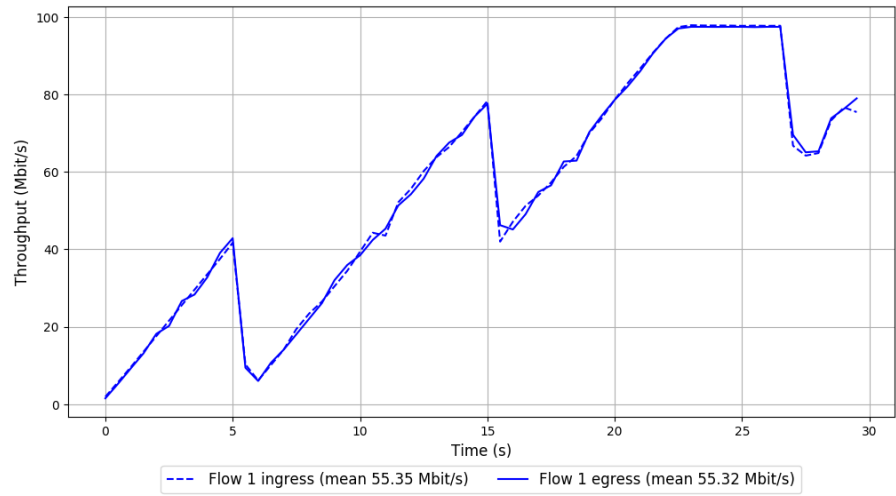


Run 3: Statistics of LEDBAT

Start at: 2018-01-16 14:54:51
End at: 2018-01-16 14:55:21
Local clock offset: -0.098 ms
Remote clock offset: -6.411 ms

Below is generated by plot.py at 2018-01-16 18:55:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 42.119 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 42.119 ms
Loss rate: 0.05%

Run 3: Report of LEDBAT — Data Link

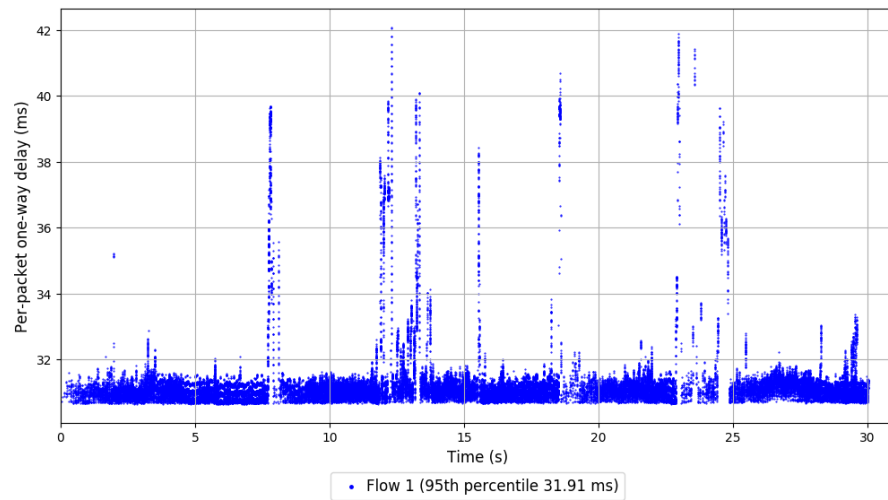
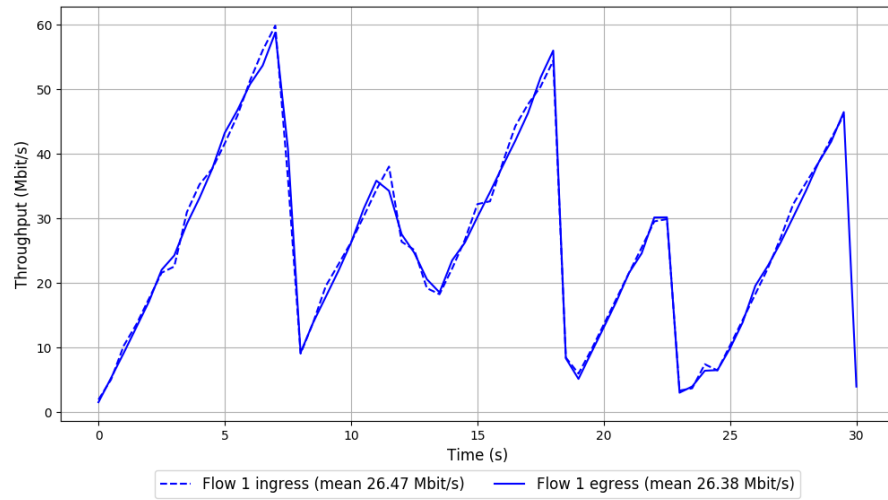


Run 4: Statistics of LEDBAT

Start at: 2018-01-16 15:20:35
End at: 2018-01-16 15:21:05
Local clock offset: -0.067 ms
Remote clock offset: -5.082 ms

Below is generated by plot.py at 2018-01-16 18:55:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 31.915 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 31.915 ms
Loss rate: 0.35%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-16 15:46:46

End at: 2018-01-16 15:47:16

Local clock offset: 0.024 ms

Remote clock offset: -5.86 ms

Below is generated by plot.py at 2018-01-16 18:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.01 Mbit/s

95th percentile per-packet one-way delay: 35.967 ms

Loss rate: 0.01%

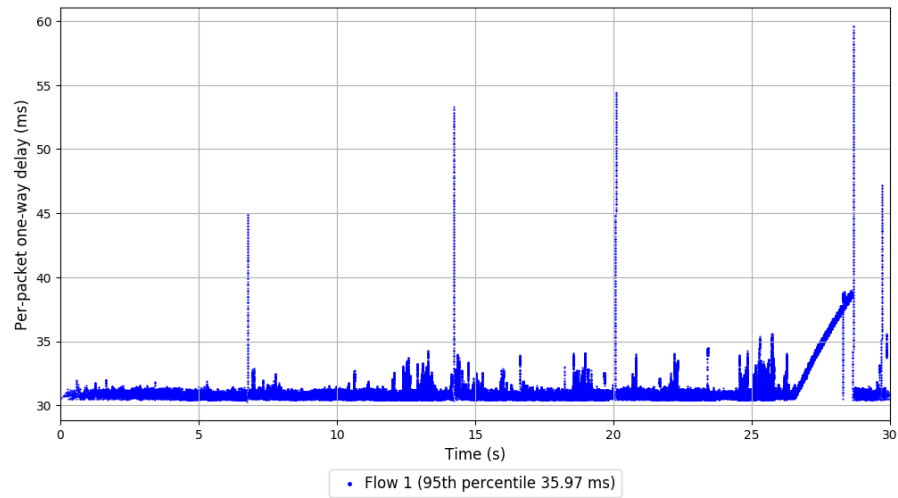
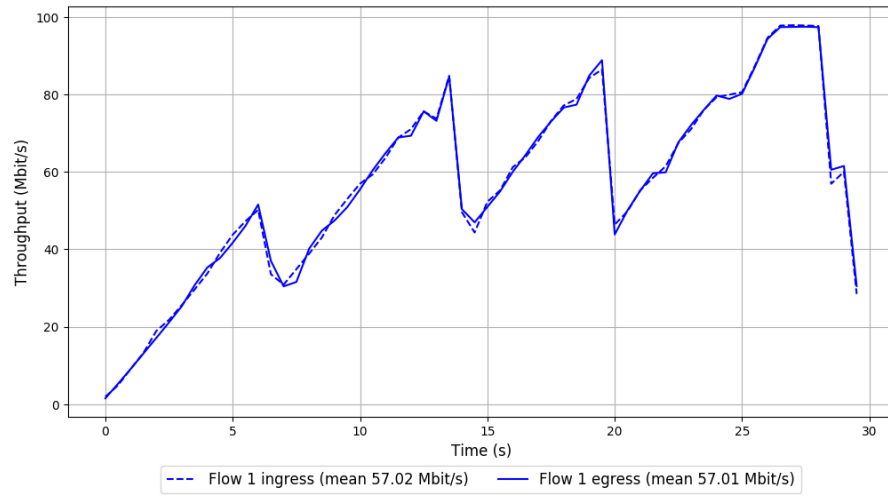
-- Flow 1:

Average throughput: 57.01 Mbit/s

95th percentile per-packet one-way delay: 35.967 ms

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

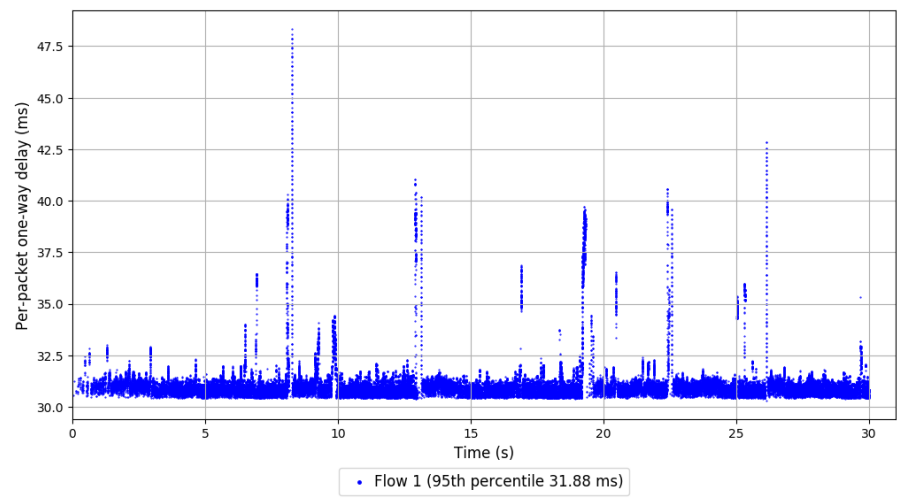
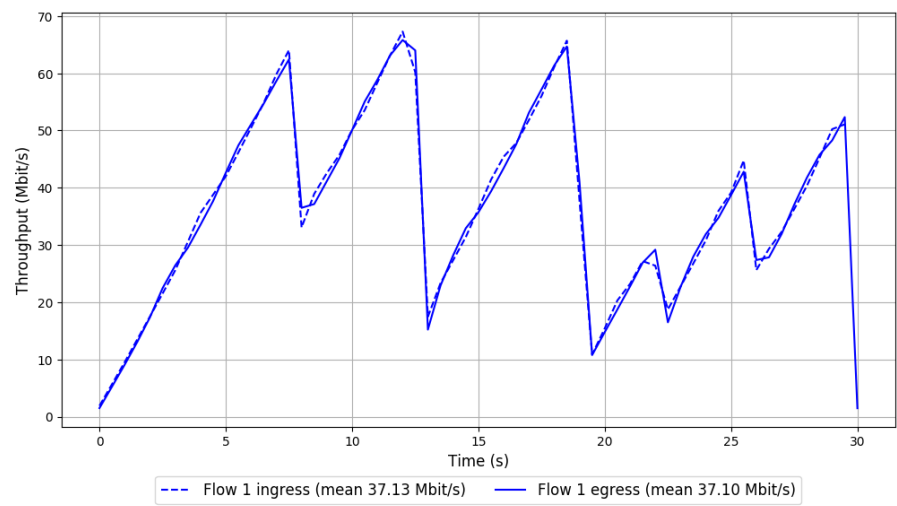


Run 6: Statistics of LEDBAT

Start at: 2018-01-16 16:12:11
End at: 2018-01-16 16:12:41
Local clock offset: 0.004 ms
Remote clock offset: -5.162 ms

Below is generated by plot.py at 2018-01-16 18:55:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 31.875 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 31.875 ms
Loss rate: 0.06%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-16 16:37:31

End at: 2018-01-16 16:38:01

Local clock offset: 0.013 ms

Remote clock offset: -3.76 ms

Below is generated by plot.py at 2018-01-16 18:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 31.519 ms

Loss rate: 0.15%

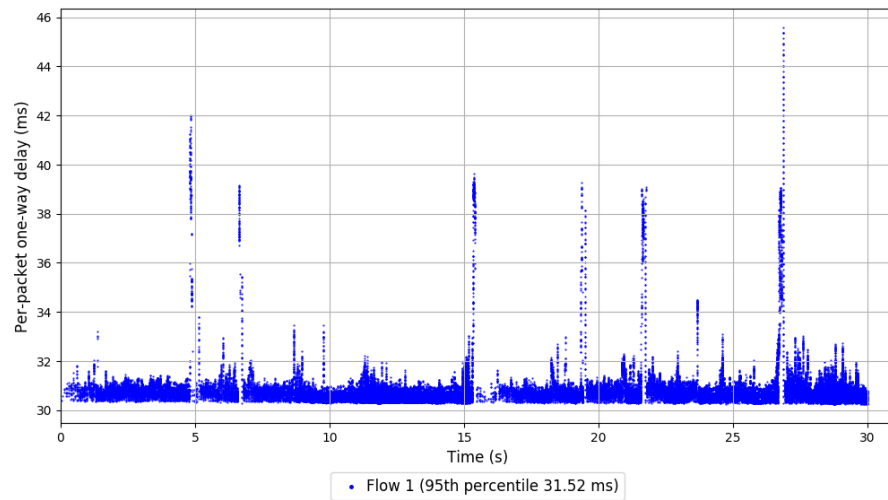
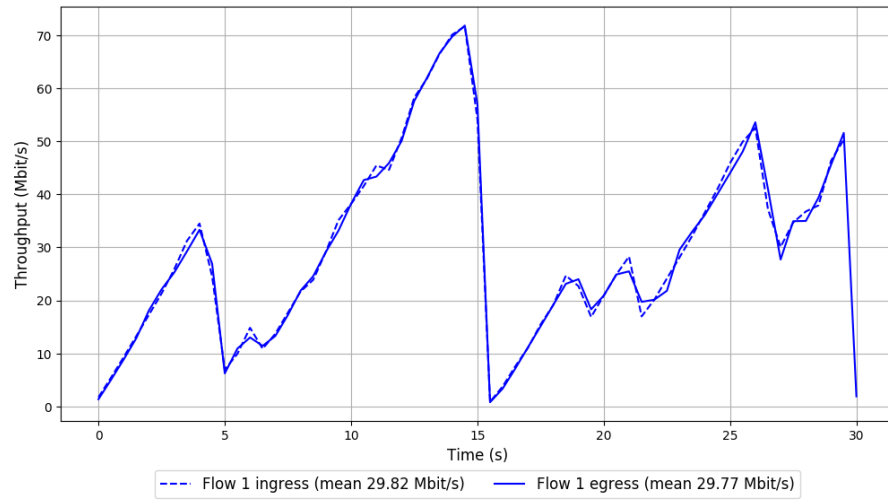
-- Flow 1:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 31.519 ms

Loss rate: 0.15%

Run 7: Report of LEDBAT — Data Link

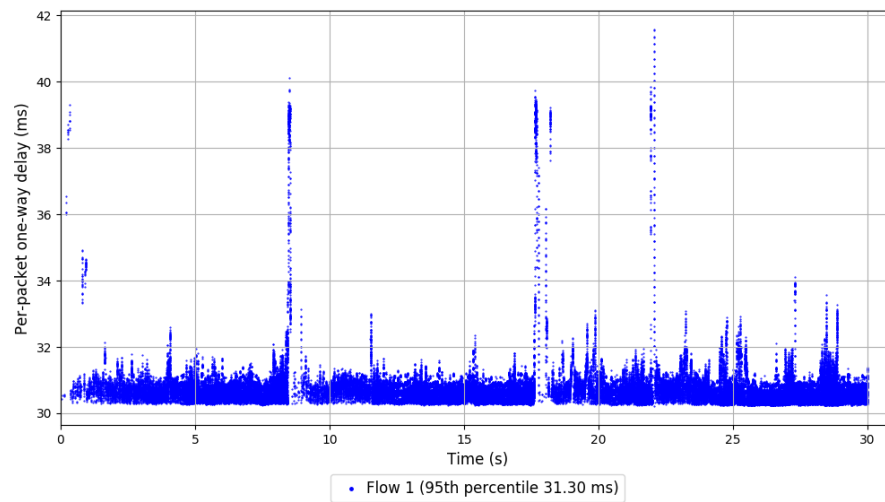
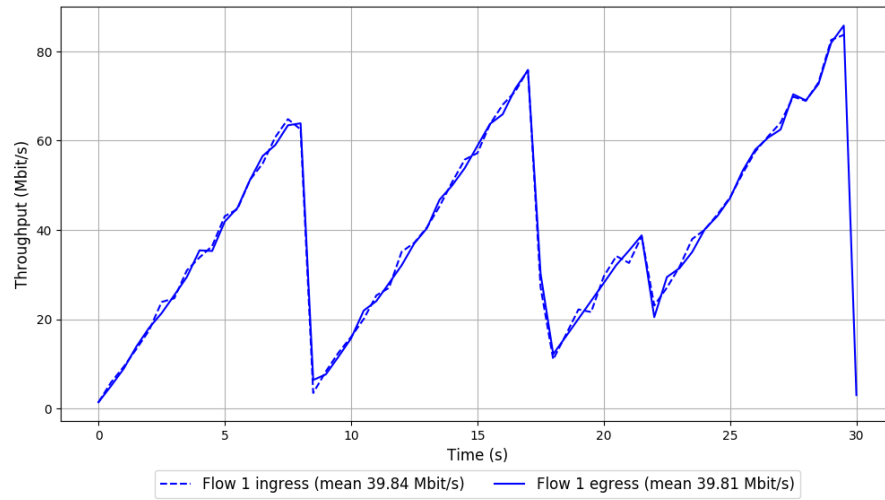


Run 8: Statistics of LEDBAT

Start at: 2018-01-16 17:03:10
End at: 2018-01-16 17:03:40
Local clock offset: 0.018 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-01-16 18:55:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 31.304 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 31.304 ms
Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link

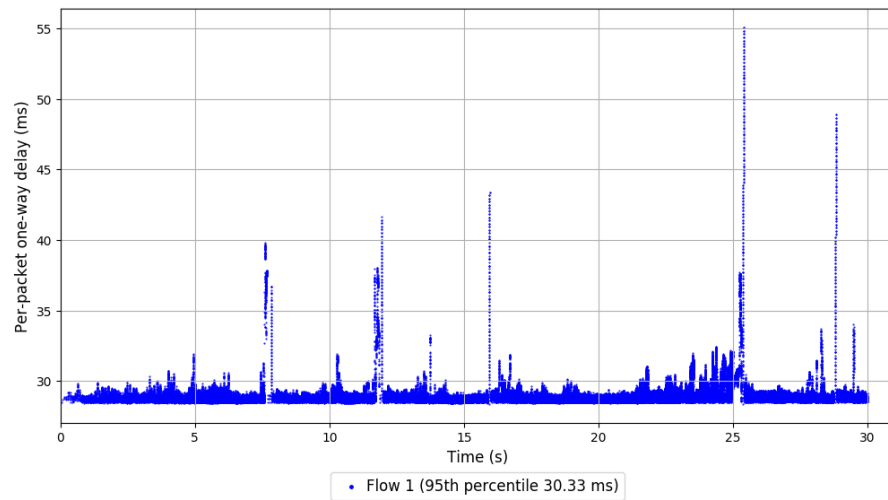
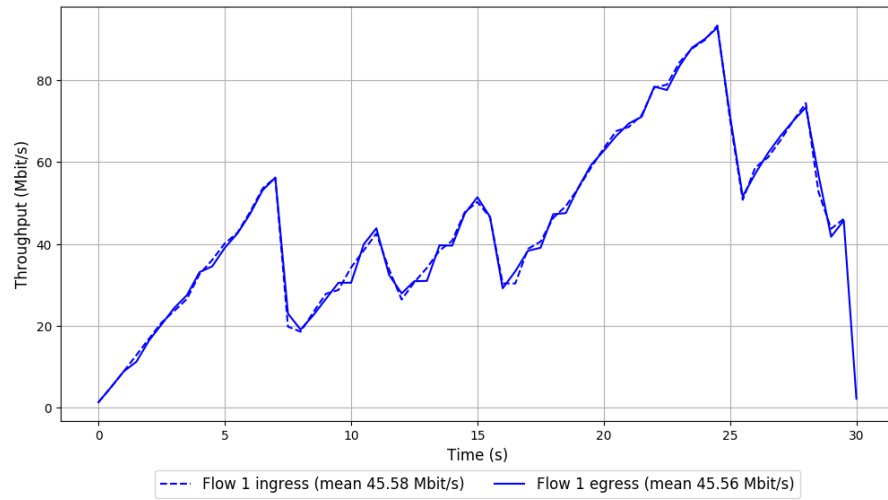


Run 9: Statistics of LEDBAT

Start at: 2018-01-16 17:30:13
End at: 2018-01-16 17:30:43
Local clock offset: 0.179 ms
Remote clock offset: -1.499 ms

Below is generated by plot.py at 2018-01-16 18:55:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.56 Mbit/s
95th percentile per-packet one-way delay: 30.326 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 45.56 Mbit/s
95th percentile per-packet one-way delay: 30.326 ms
Loss rate: 0.05%

Run 9: Report of LEDBAT — Data Link

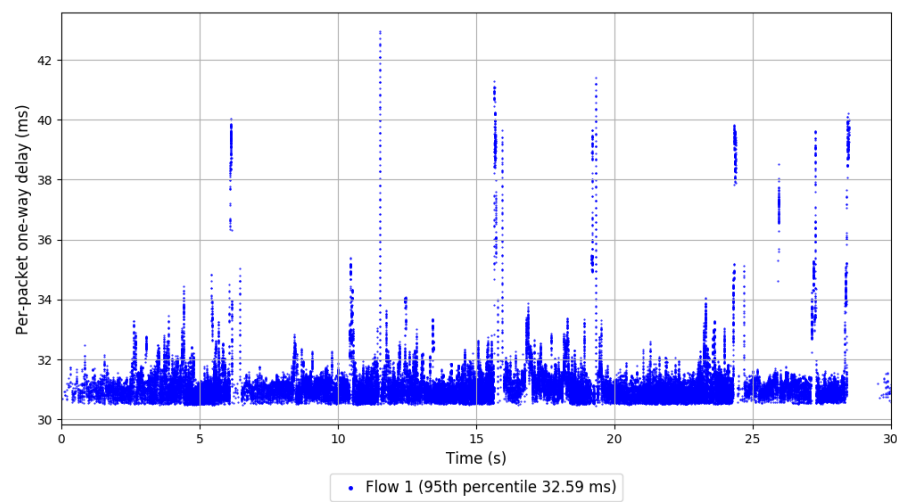
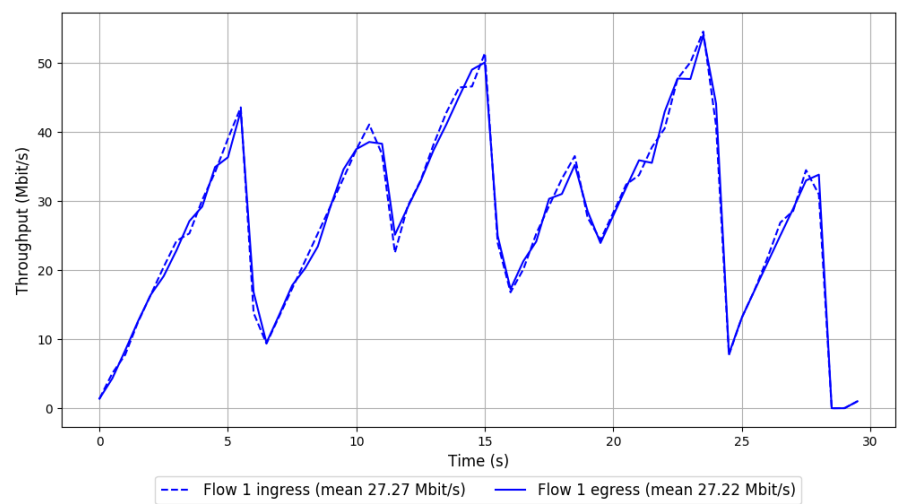


Run 10: Statistics of LEDBAT

Start at: 2018-01-16 17:57:47
End at: 2018-01-16 17:58:17
Local clock offset: 0.11 ms
Remote clock offset: -1.512 ms

Below is generated by plot.py at 2018-01-16 18:55:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 32.588 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 32.588 ms
Loss rate: 0.19%

Run 10: Report of LEDBAT — Data Link

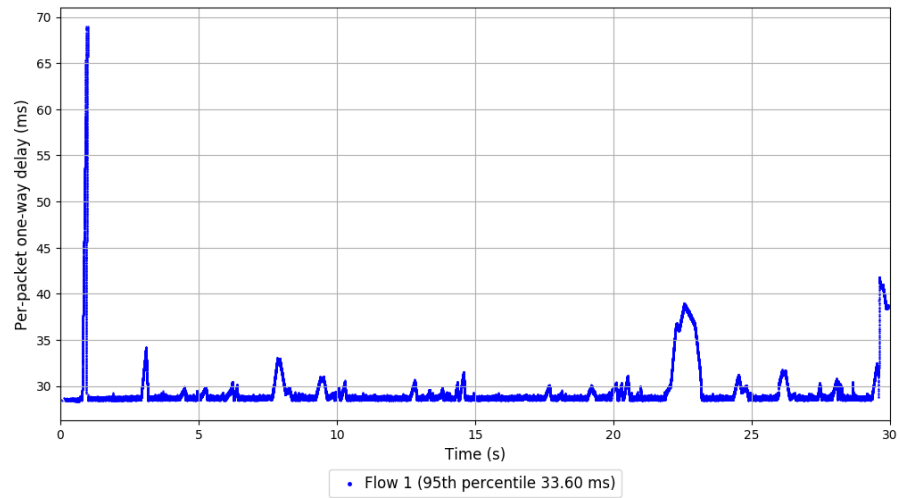
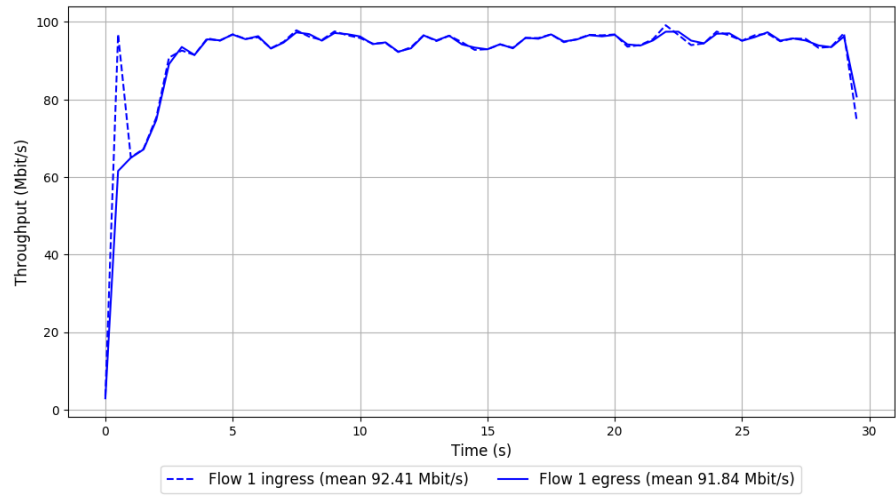


Run 1: Statistics of PCC

Start at: 2018-01-16 14:07:27
End at: 2018-01-16 14:07:57
Local clock offset: -0.182 ms
Remote clock offset: -5.735 ms

Below is generated by plot.py at 2018-01-16 18:57:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 33.604 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 33.604 ms
Loss rate: 0.59%

Run 1: Report of PCC — Data Link

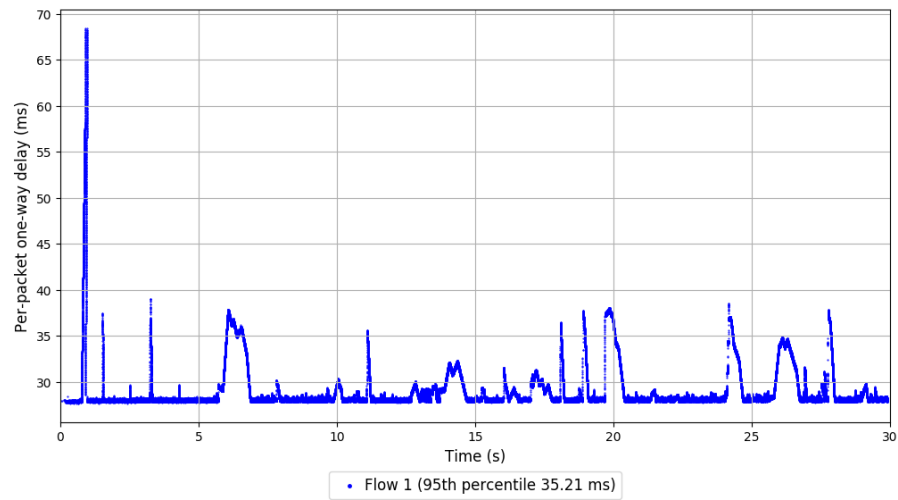
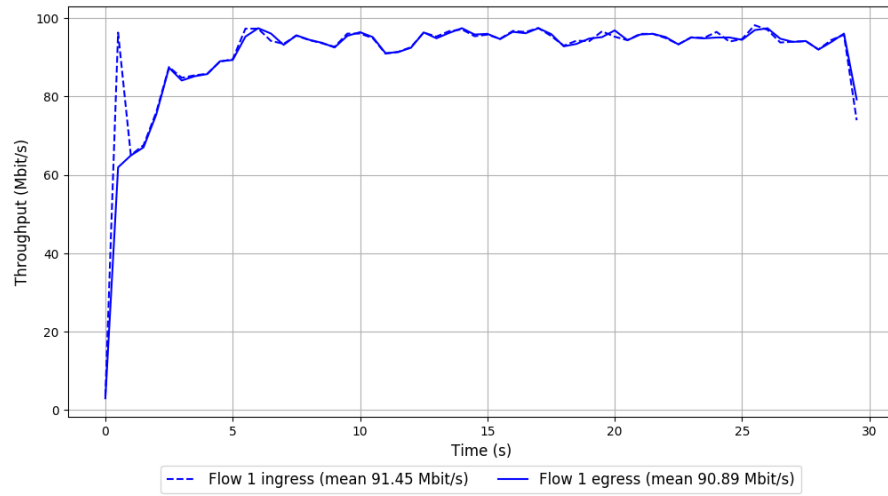


Run 2: Statistics of PCC

Start at: 2018-01-16 14:31:46
End at: 2018-01-16 14:32:16
Local clock offset: -0.163 ms
Remote clock offset: -6.166 ms

Below is generated by plot.py at 2018-01-16 18:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 35.206 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 35.206 ms
Loss rate: 0.61%

Run 2: Report of PCC — Data Link

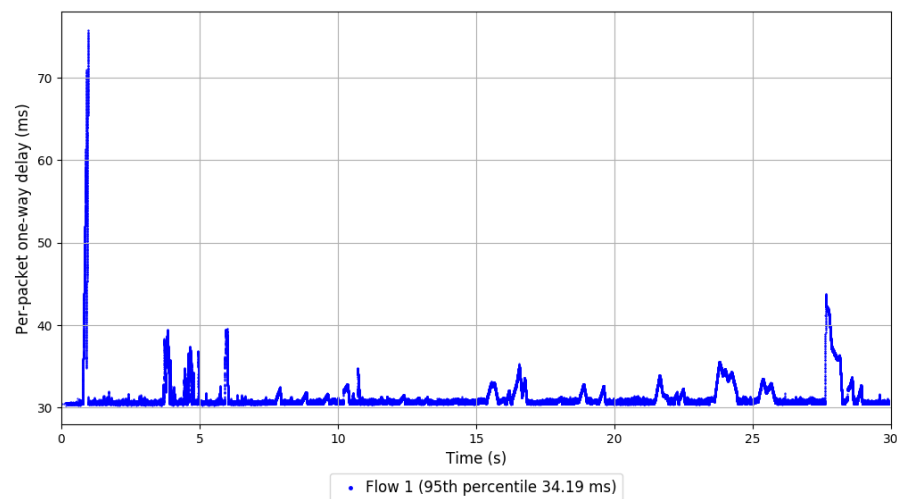
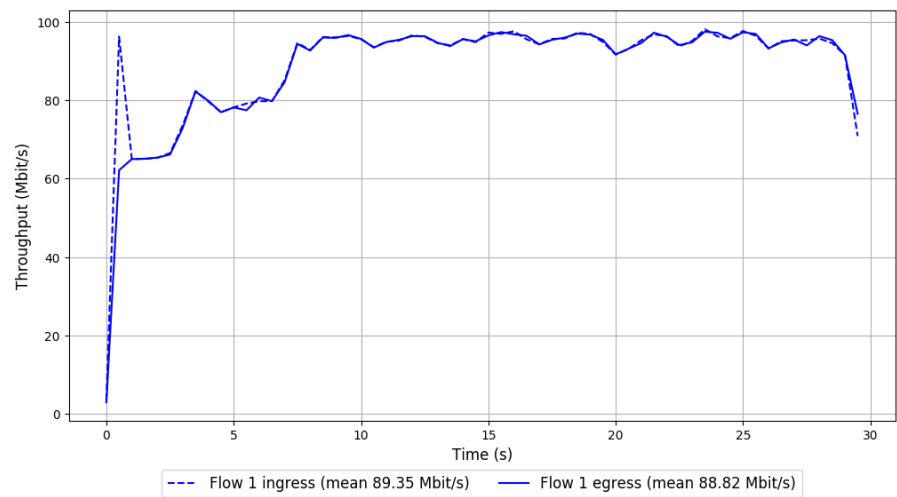


Run 3: Statistics of PCC

Start at: 2018-01-16 14:56:14
End at: 2018-01-16 14:56:44
Local clock offset: -0.168 ms
Remote clock offset: -3.897 ms

Below is generated by plot.py at 2018-01-16 18:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 34.190 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 34.190 ms
Loss rate: 0.59%

Run 3: Report of PCC — Data Link

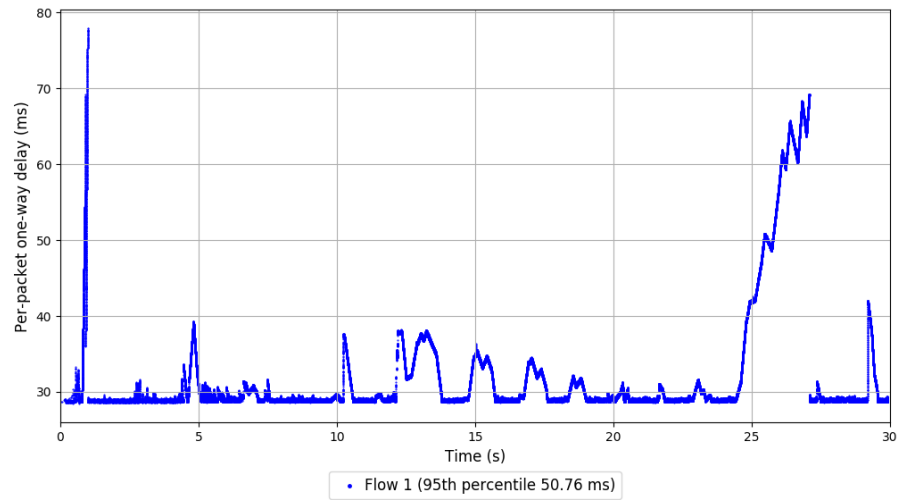
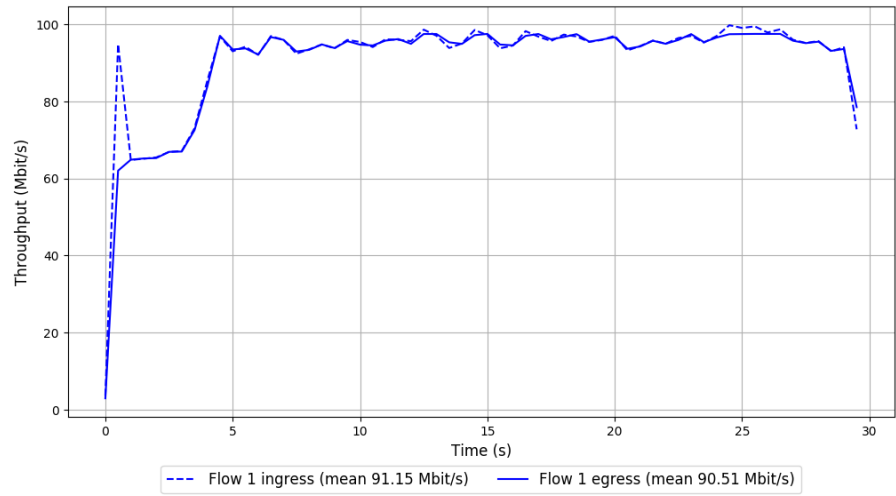


Run 4: Statistics of PCC

Start at: 2018-01-16 15:21:54
End at: 2018-01-16 15:22:24
Local clock offset: -0.059 ms
Remote clock offset: -7.197 ms

Below is generated by plot.py at 2018-01-16 18:57:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 50.764 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 50.764 ms
Loss rate: 0.71%

Run 4: Report of PCC — Data Link

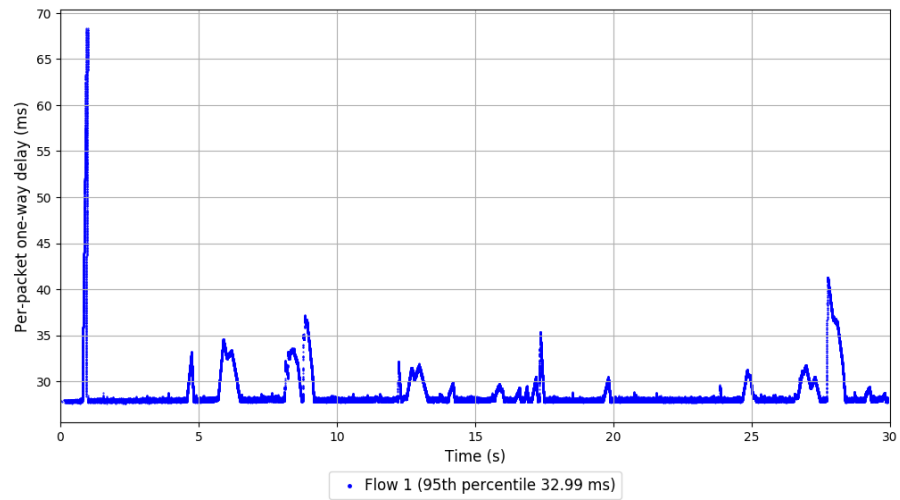
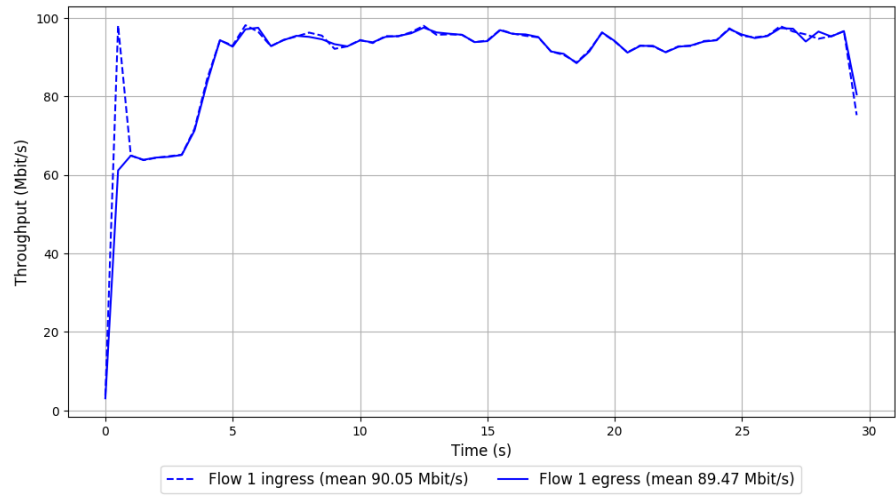


Run 5: Statistics of PCC

Start at: 2018-01-16 15:48:08
End at: 2018-01-16 15:48:38
Local clock offset: 0.008 ms
Remote clock offset: -7.831 ms

Below is generated by plot.py at 2018-01-16 18:57:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: 32.986 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: 32.986 ms
Loss rate: 0.65%

Run 5: Report of PCC — Data Link

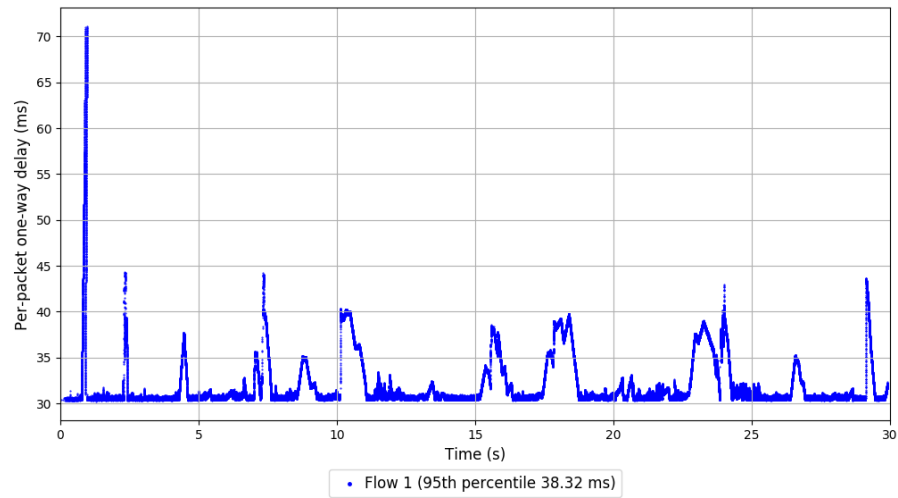
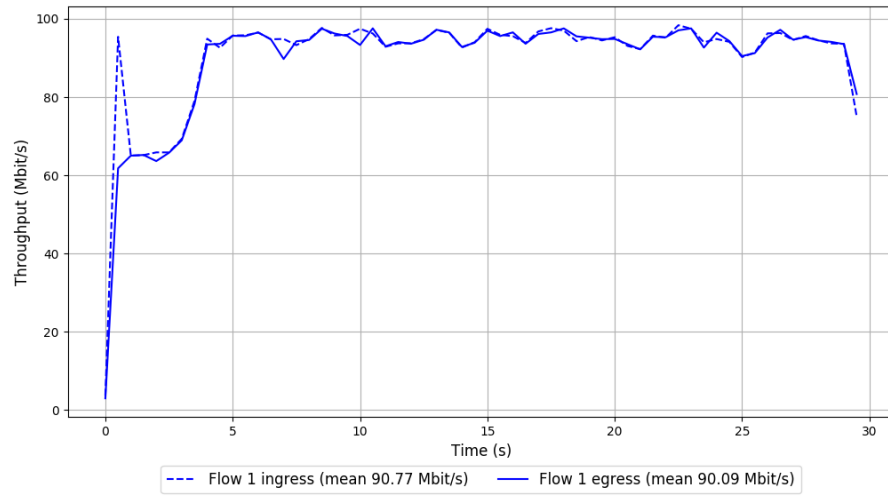


Run 6: Statistics of PCC

Start at: 2018-01-16 16:13:29
End at: 2018-01-16 16:14:00
Local clock offset: -0.072 ms
Remote clock offset: -4.565 ms

Below is generated by plot.py at 2018-01-16 18:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.09 Mbit/s
95th percentile per-packet one-way delay: 38.321 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 90.09 Mbit/s
95th percentile per-packet one-way delay: 38.321 ms
Loss rate: 0.75%

Run 6: Report of PCC — Data Link

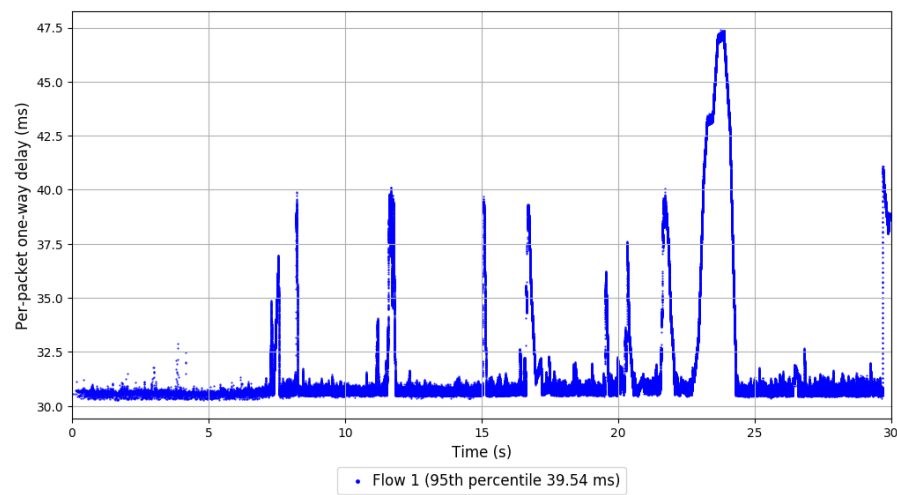
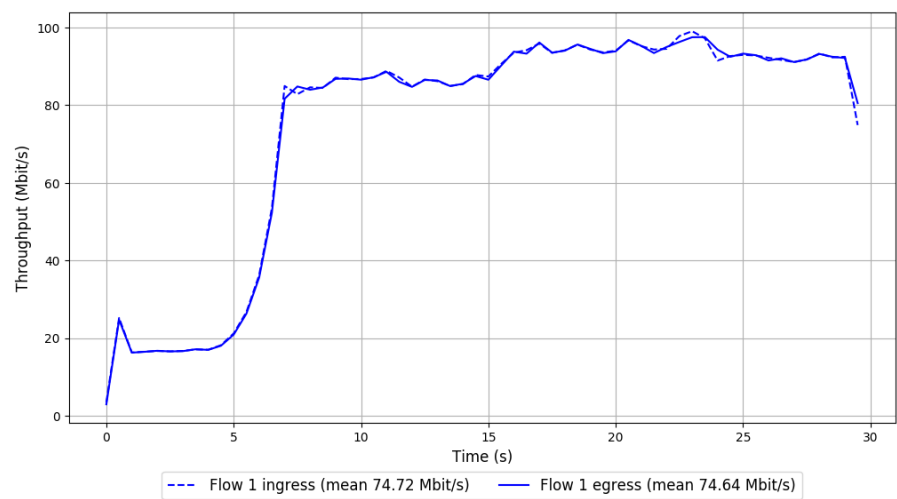


Run 7: Statistics of PCC

Start at: 2018-01-16 16:38:51
End at: 2018-01-16 16:39:21
Local clock offset: 0.025 ms
Remote clock offset: -3.358 ms

Below is generated by plot.py at 2018-01-16 18:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 39.536 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 39.536 ms
Loss rate: 0.09%

Run 7: Report of PCC — Data Link

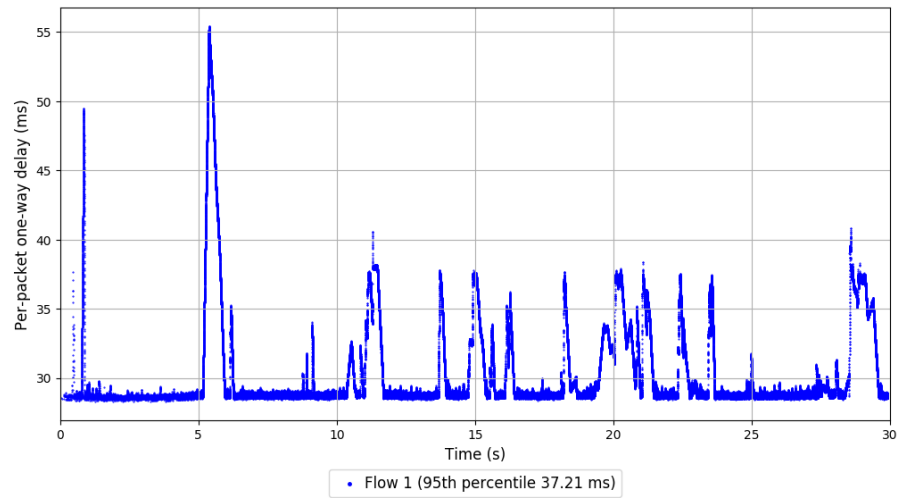
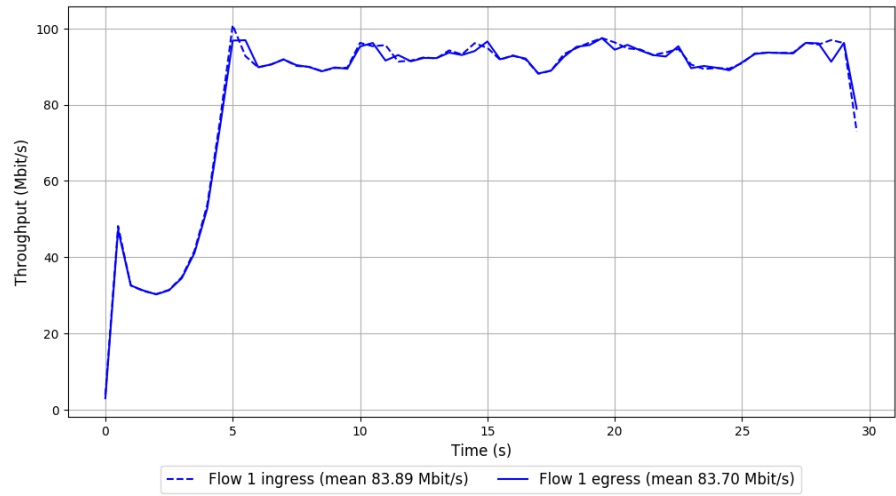


Run 8: Statistics of PCC

Start at: 2018-01-16 17:04:31
End at: 2018-01-16 17:05:01
Local clock offset: 0.03 ms
Remote clock offset: -2.391 ms

Below is generated by plot.py at 2018-01-16 18:57:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.70 Mbit/s
95th percentile per-packet one-way delay: 37.212 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 83.70 Mbit/s
95th percentile per-packet one-way delay: 37.212 ms
Loss rate: 0.23%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-16 17:31:40

End at: 2018-01-16 17:32:10

Local clock offset: 0.17 ms

Remote clock offset: 0.504 ms

Below is generated by plot.py at 2018-01-16 18:57:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.71 Mbit/s

95th percentile per-packet one-way delay: 31.122 ms

Loss rate: 0.18%

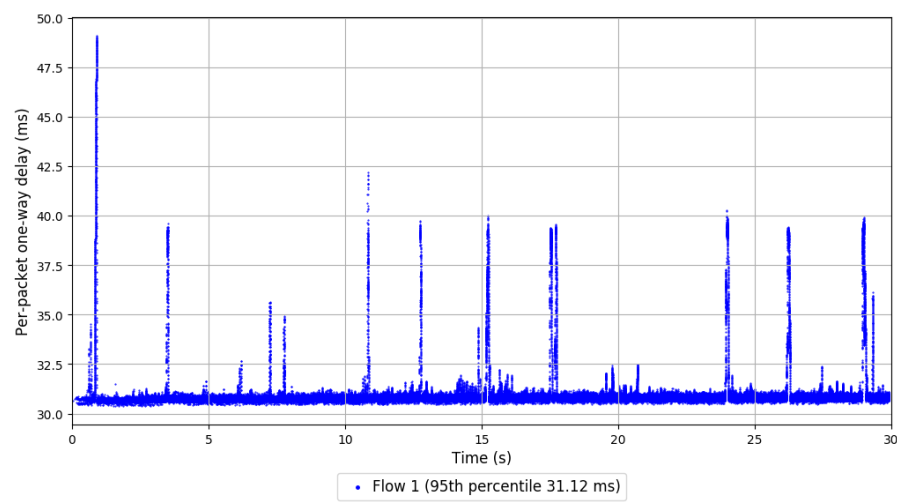
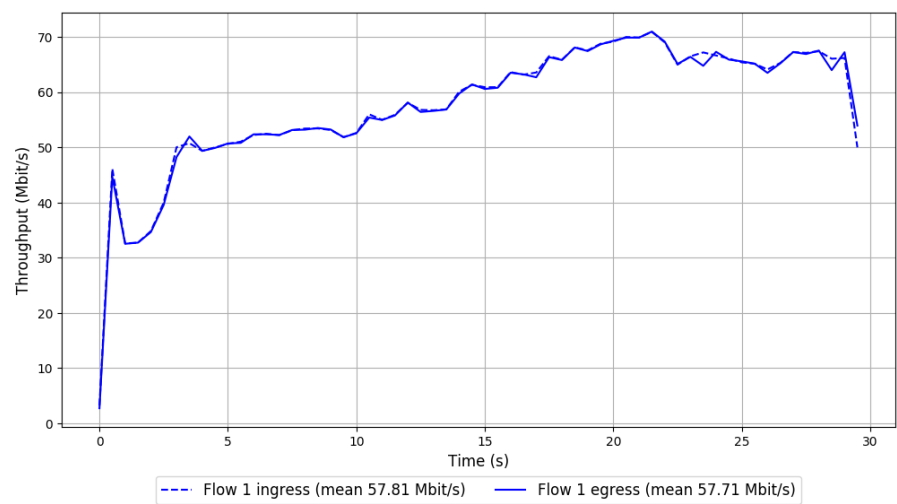
-- Flow 1:

Average throughput: 57.71 Mbit/s

95th percentile per-packet one-way delay: 31.122 ms

Loss rate: 0.18%

Run 9: Report of PCC — Data Link

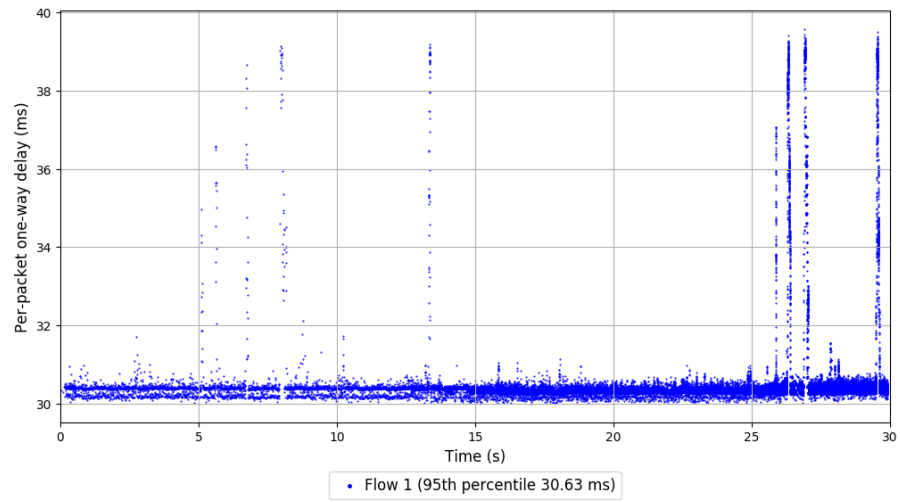
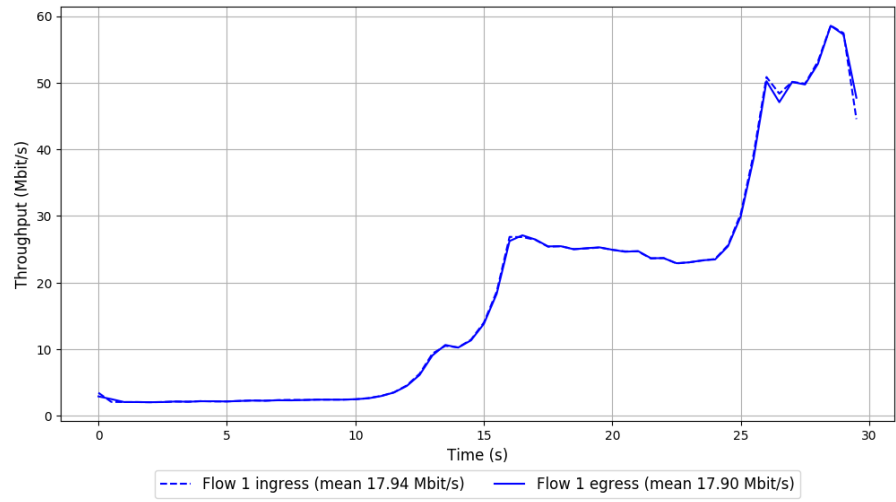


Run 10: Statistics of PCC

Start at: 2018-01-16 17:59:10
End at: 2018-01-16 17:59:40
Local clock offset: 0.057 ms
Remote clock offset: -1.157 ms

Below is generated by plot.py at 2018-01-16 18:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.90 Mbit/s
95th percentile per-packet one-way delay: 30.634 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 17.90 Mbit/s
95th percentile per-packet one-way delay: 30.634 ms
Loss rate: 0.21%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 14:20:50

End at: 2018-01-16 14:21:20

Local clock offset: -0.267 ms

Remote clock offset: -6.081 ms

Below is generated by plot.py at 2018-01-16 18:58:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.61 Mbit/s

95th percentile per-packet one-way delay: 29.549 ms

Loss rate: 0.08%

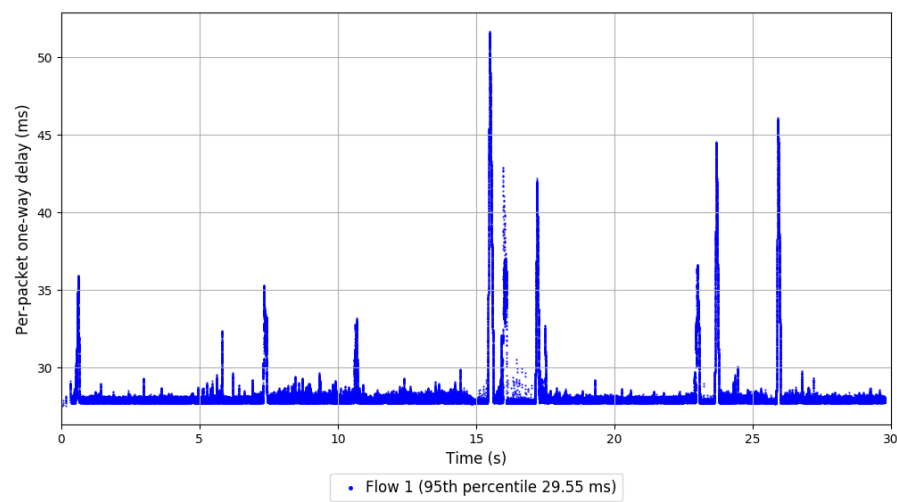
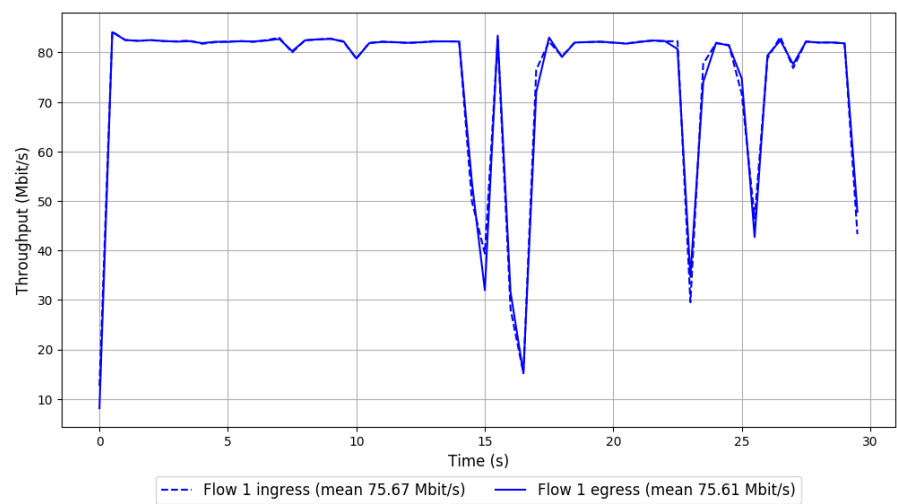
-- Flow 1:

Average throughput: 75.61 Mbit/s

95th percentile per-packet one-way delay: 29.549 ms

Loss rate: 0.08%

Run 1: Report of QUIC Cubic — Data Link

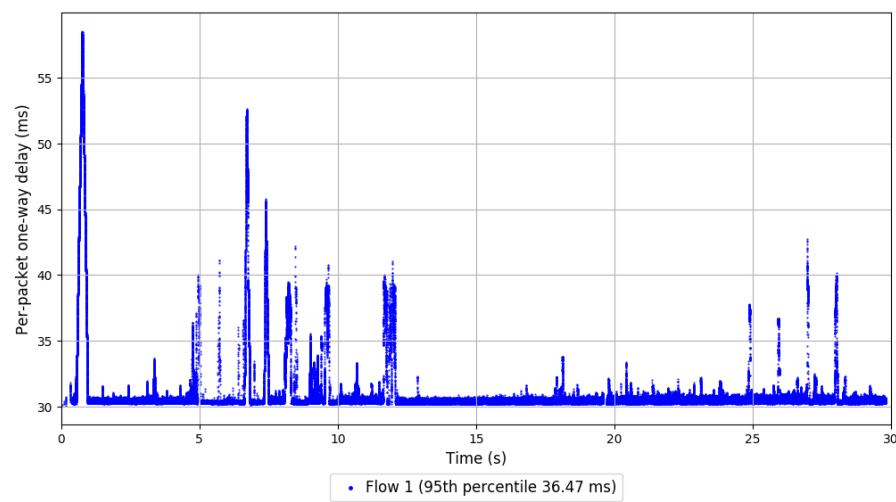
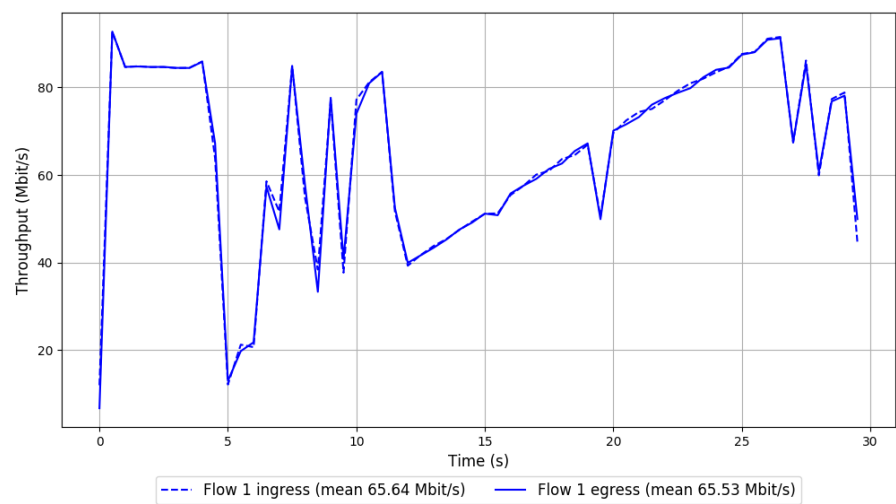


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 14:45:10
End at: 2018-01-16 14:45:40
Local clock offset: -0.077 ms
Remote clock offset: -3.895 ms

Below is generated by plot.py at 2018-01-16 18:58:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.53 Mbit/s
95th percentile per-packet one-way delay: 36.470 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 65.53 Mbit/s
95th percentile per-packet one-way delay: 36.470 ms
Loss rate: 0.16%

Run 2: Report of QUIC Cubic — Data Link

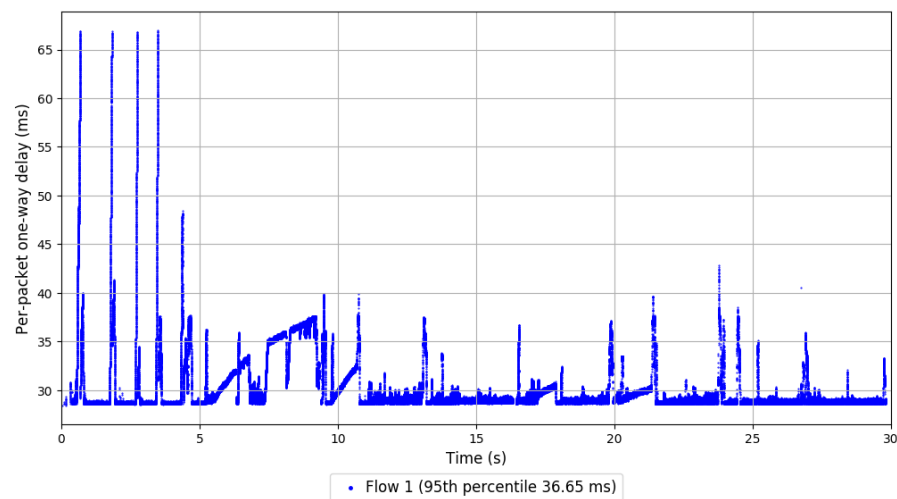
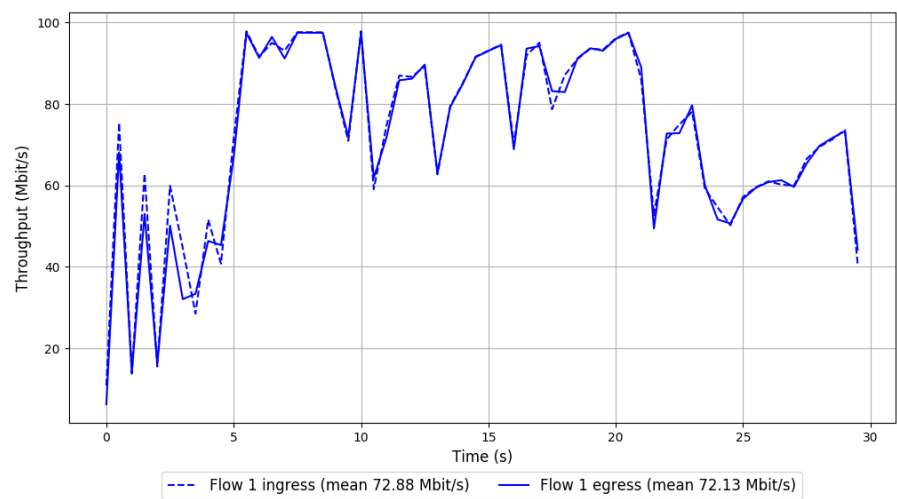


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-16 15:10:10
End at: 2018-01-16 15:10:40
Local clock offset: -0.104 ms
Remote clock offset: -6.786 ms

Below is generated by plot.py at 2018-01-16 18:58:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 36.648 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 36.648 ms
Loss rate: 1.03%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-16 15:35:58

End at: 2018-01-16 15:36:28

Local clock offset: 0.065 ms

Remote clock offset: -7.91 ms

Below is generated by plot.py at 2018-01-16 18:58:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 28.971 ms

Loss rate: 0.04%

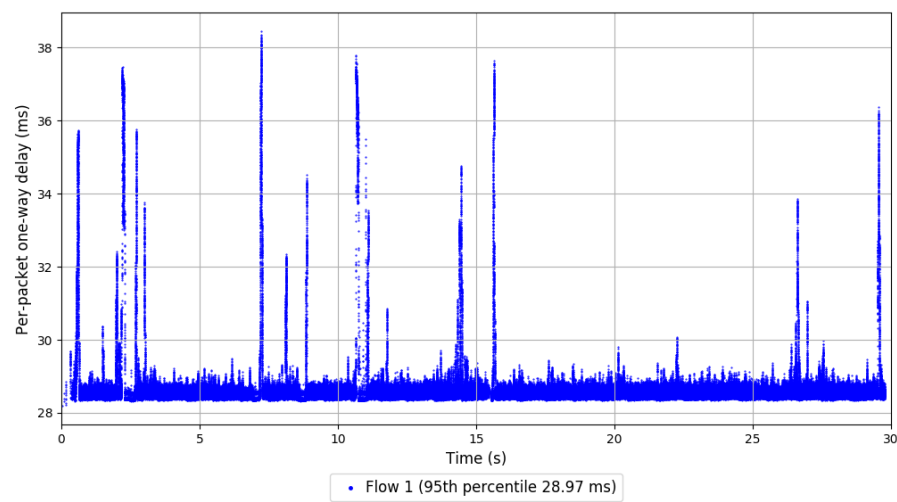
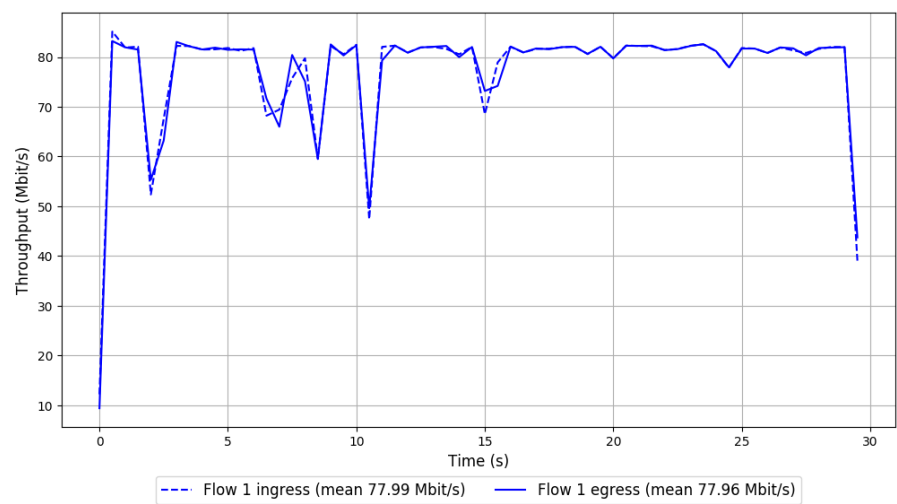
-- Flow 1:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 28.971 ms

Loss rate: 0.04%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-16 16:02:24

End at: 2018-01-16 16:02:54

Local clock offset: -0.051 ms

Remote clock offset: -4.877 ms

Below is generated by plot.py at 2018-01-16 18:58:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.42 Mbit/s

95th percentile per-packet one-way delay: 61.946 ms

Loss rate: 0.99%

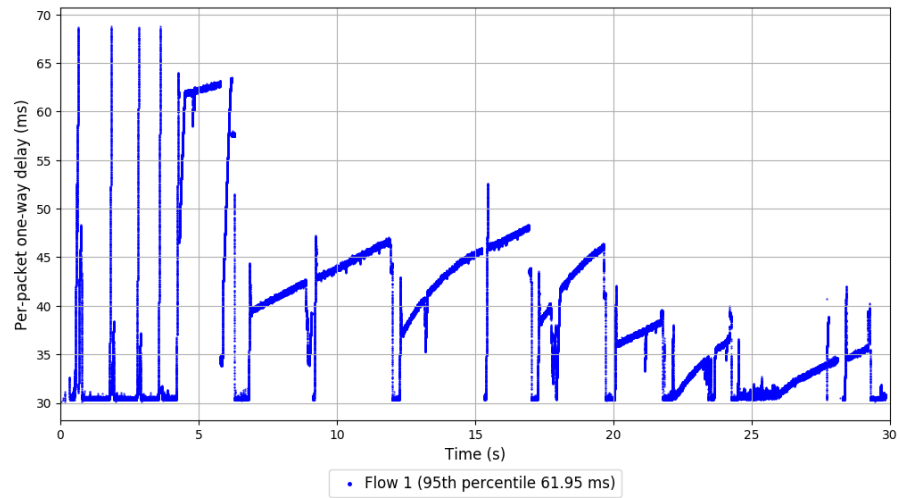
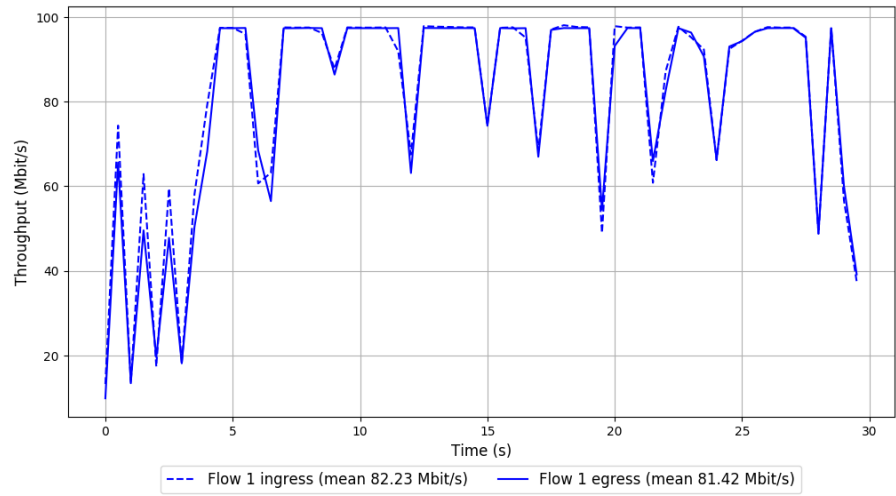
-- Flow 1:

Average throughput: 81.42 Mbit/s

95th percentile per-packet one-way delay: 61.946 ms

Loss rate: 0.99%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-16 16:27:15

End at: 2018-01-16 16:27:46

Local clock offset: -0.02 ms

Remote clock offset: -6.293 ms

Below is generated by plot.py at 2018-01-16 18:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 60.005 ms

Loss rate: 0.94%

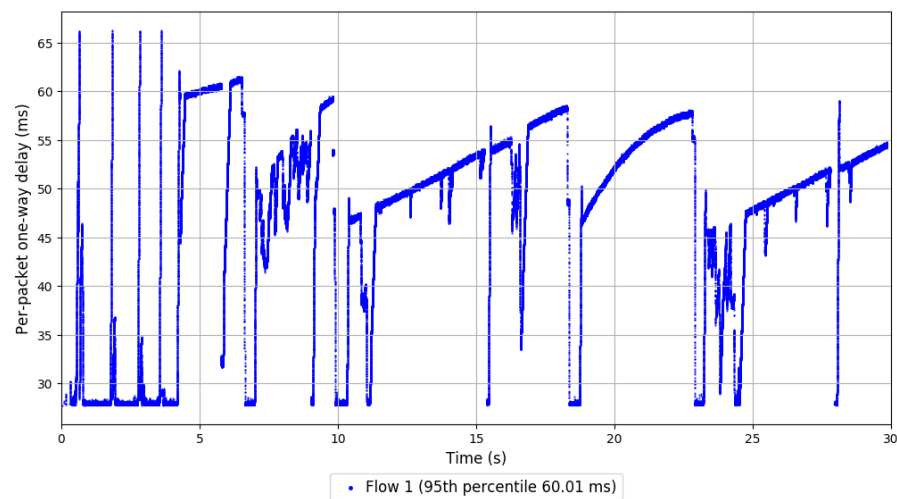
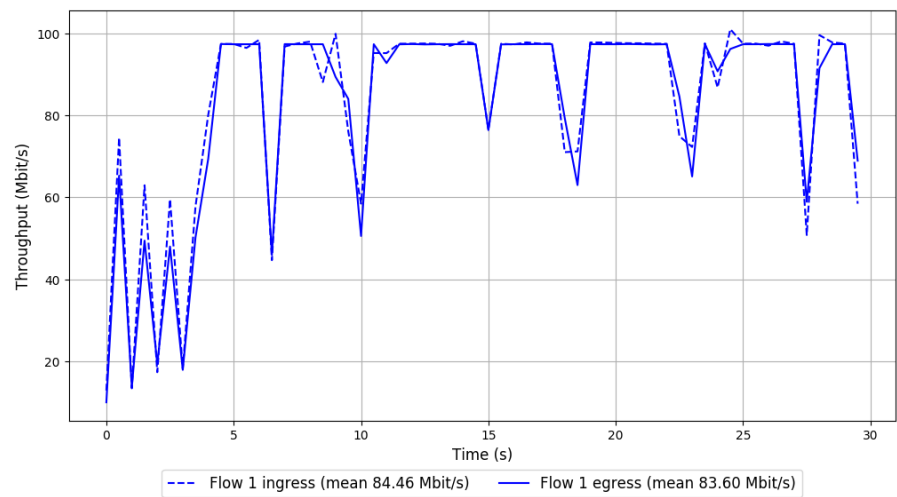
-- Flow 1:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 60.005 ms

Loss rate: 0.94%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-16 16:52:45

End at: 2018-01-16 16:53:15

Local clock offset: 0.13 ms

Remote clock offset: -1.29 ms

Below is generated by plot.py at 2018-01-16 18:58:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.57 Mbit/s

95th percentile per-packet one-way delay: 44.990 ms

Loss rate: 0.91%

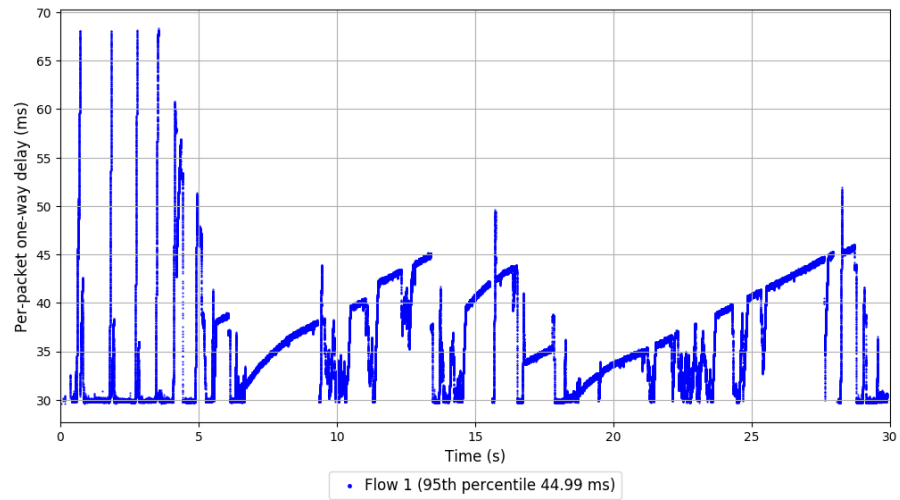
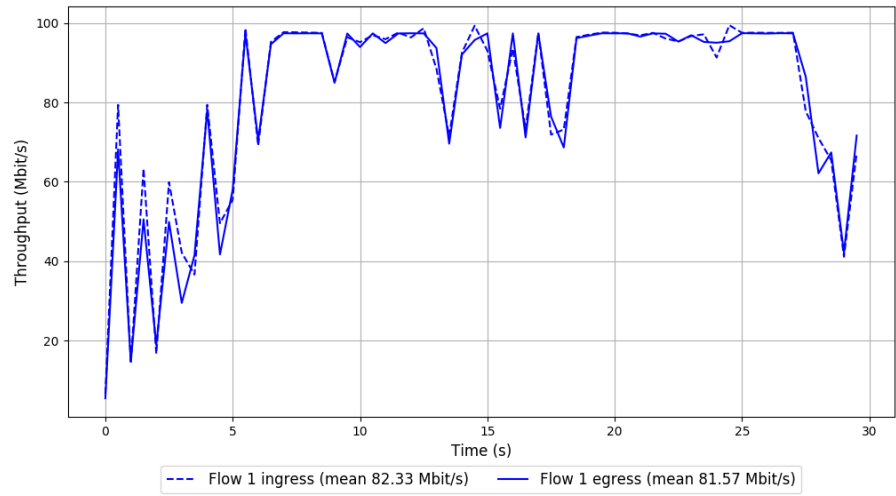
-- Flow 1:

Average throughput: 81.57 Mbit/s

95th percentile per-packet one-way delay: 44.990 ms

Loss rate: 0.91%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-16 17:19:12

End at: 2018-01-16 17:19:42

Local clock offset: 0.19 ms

Remote clock offset: -1.67 ms

Below is generated by plot.py at 2018-01-16 18:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.20 Mbit/s

95th percentile per-packet one-way delay: 57.461 ms

Loss rate: 0.81%

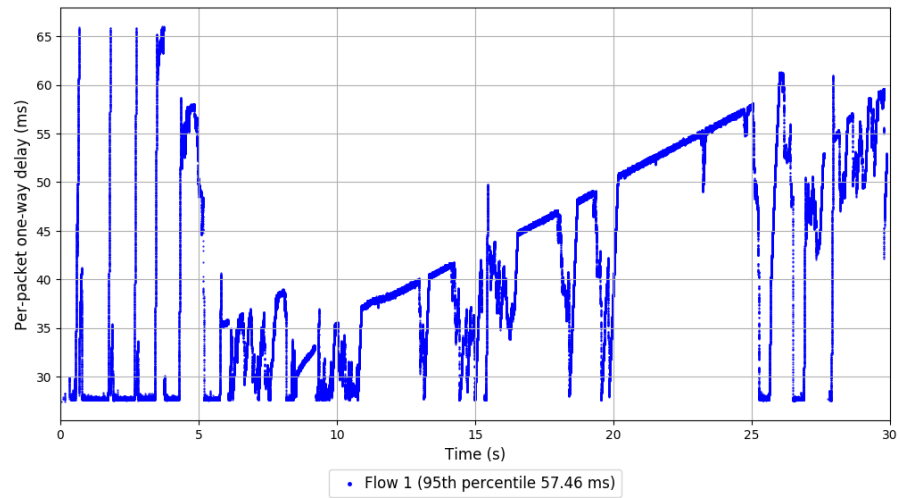
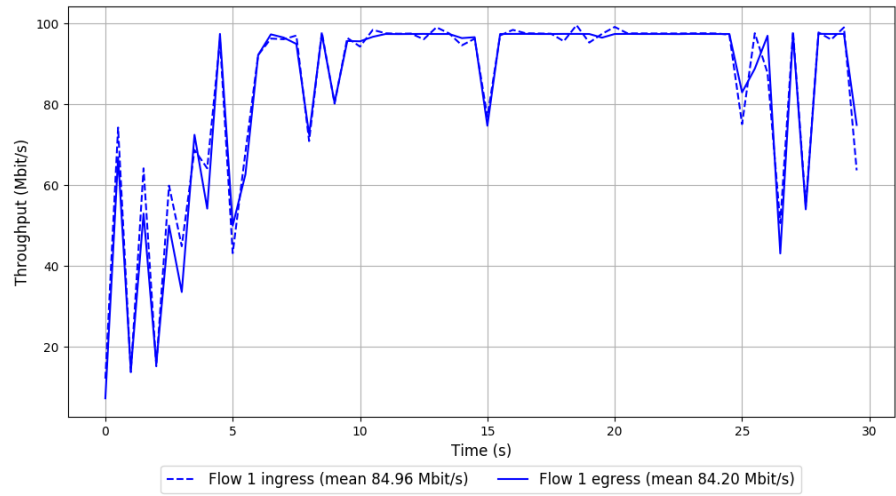
-- Flow 1:

Average throughput: 84.20 Mbit/s

95th percentile per-packet one-way delay: 57.461 ms

Loss rate: 0.81%

Run 8: Report of QUIC Cubic — Data Link

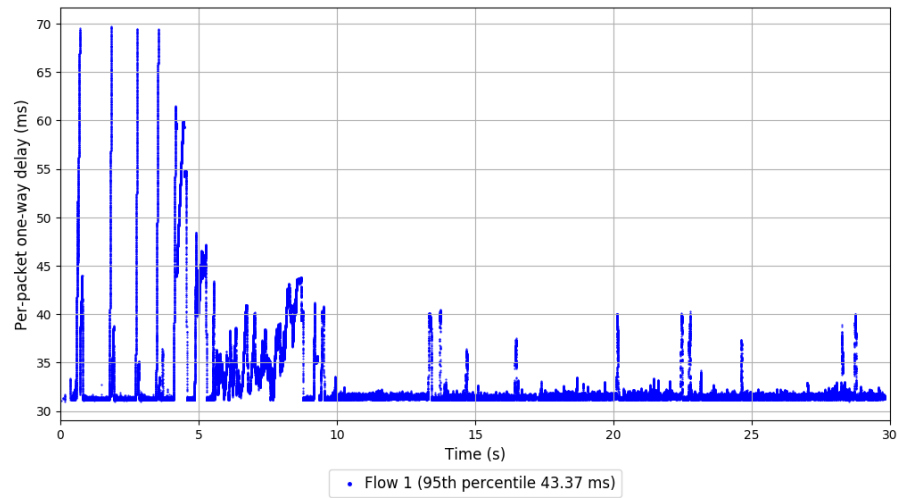
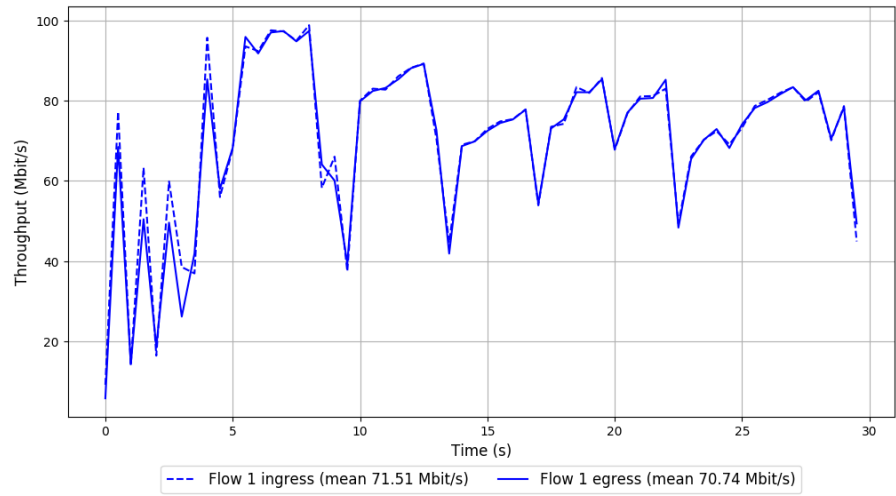


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-16 17:46:51
End at: 2018-01-16 17:47:21
Local clock offset: 0.205 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-01-16 18:59:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.74 Mbit/s
95th percentile per-packet one-way delay: 43.371 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 70.74 Mbit/s
95th percentile per-packet one-way delay: 43.371 ms
Loss rate: 1.07%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-16 18:13:09

End at: 2018-01-16 18:13:39

Local clock offset: -0.485 ms

Remote clock offset: -2.05 ms

Below is generated by plot.py at 2018-01-16 18:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.65 Mbit/s

95th percentile per-packet one-way delay: 50.416 ms

Loss rate: 0.10%

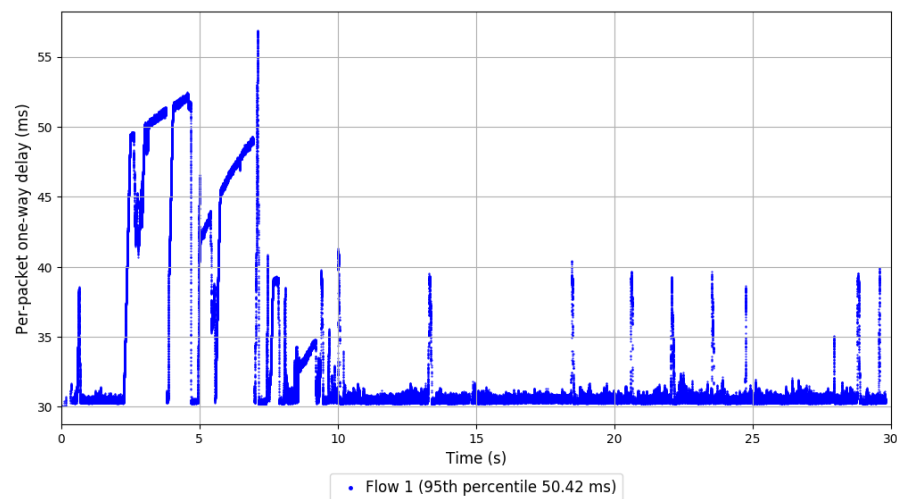
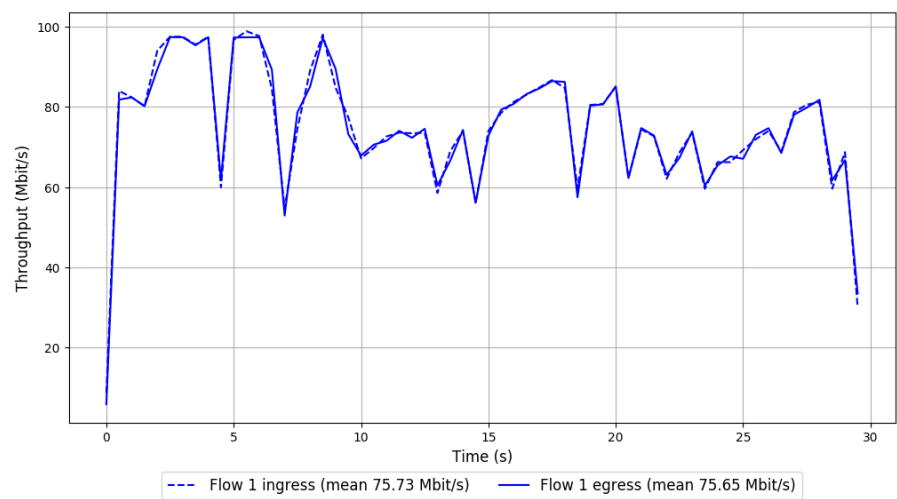
-- Flow 1:

Average throughput: 75.65 Mbit/s

95th percentile per-packet one-way delay: 50.416 ms

Loss rate: 0.10%

Run 10: Report of QUIC Cubic — Data Link

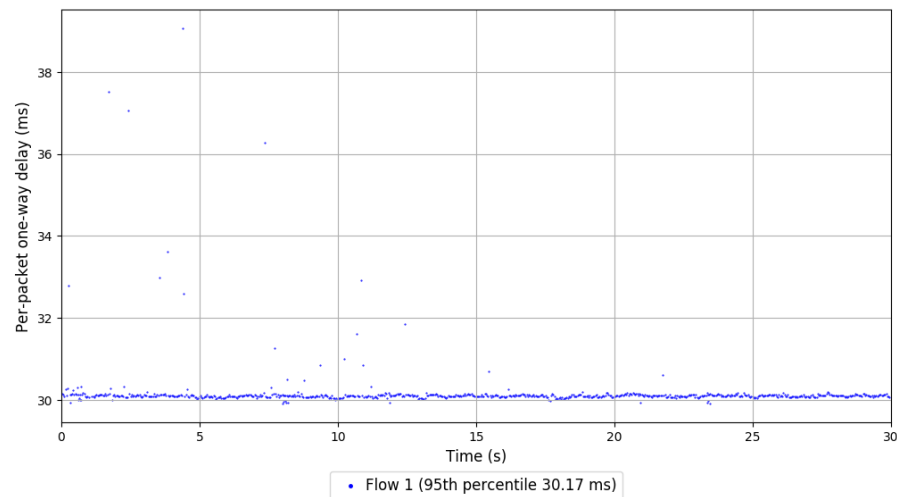
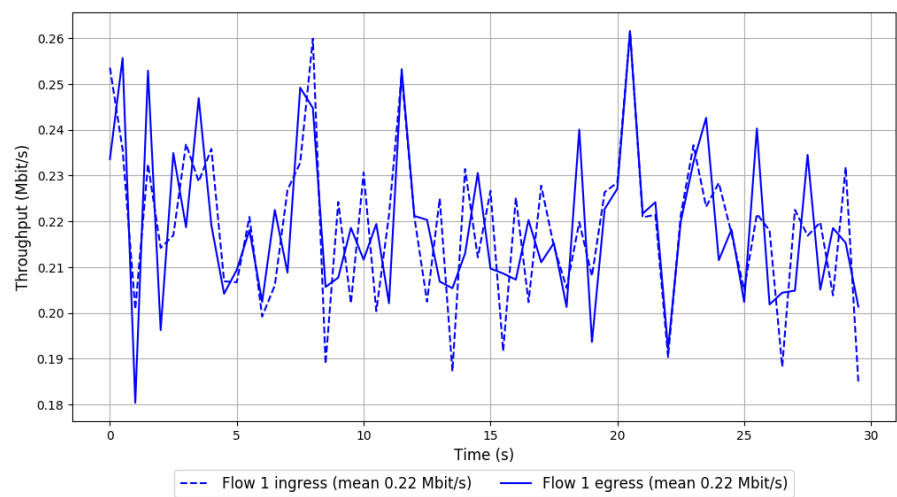


Run 1: Statistics of SCReAM

Start at: 2018-01-16 14:16:55
End at: 2018-01-16 14:17:25
Local clock offset: -0.167 ms
Remote clock offset: -3.694 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.169 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

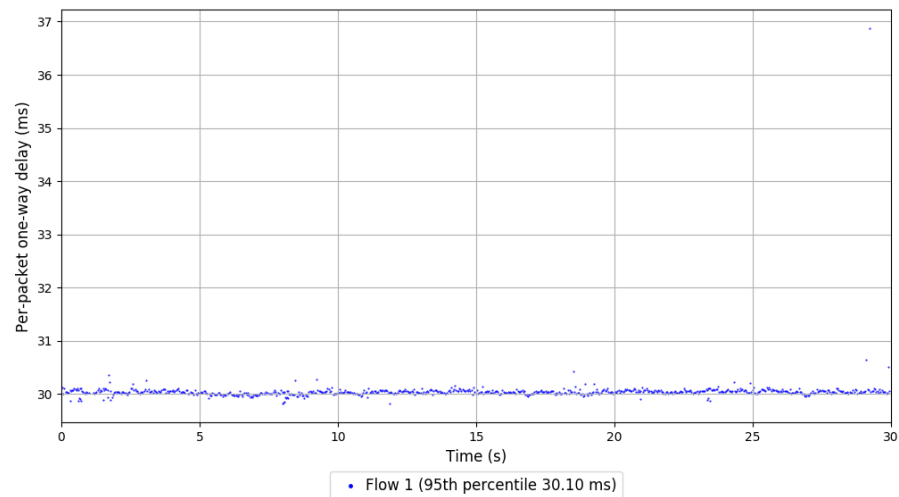
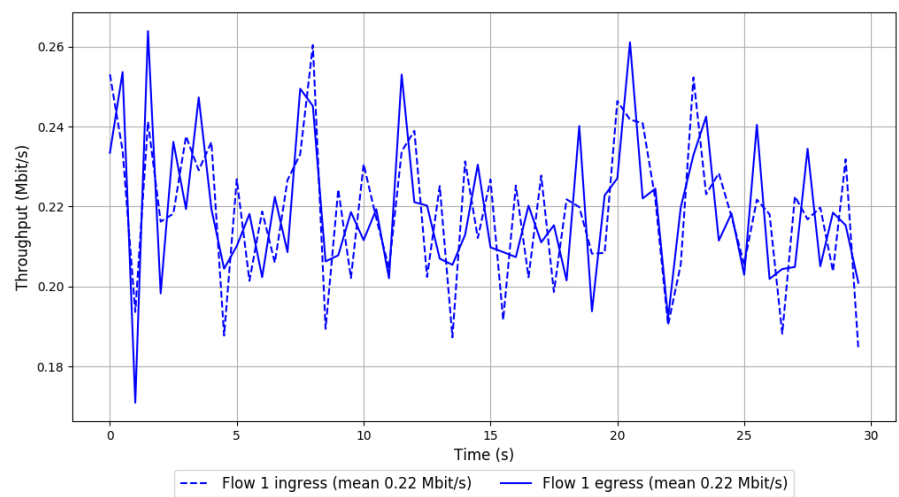


Run 2: Statistics of SCReAM

Start at: 2018-01-16 14:41:16
End at: 2018-01-16 14:41:46
Local clock offset: -0.113 ms
Remote clock offset: -4.268 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.101 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

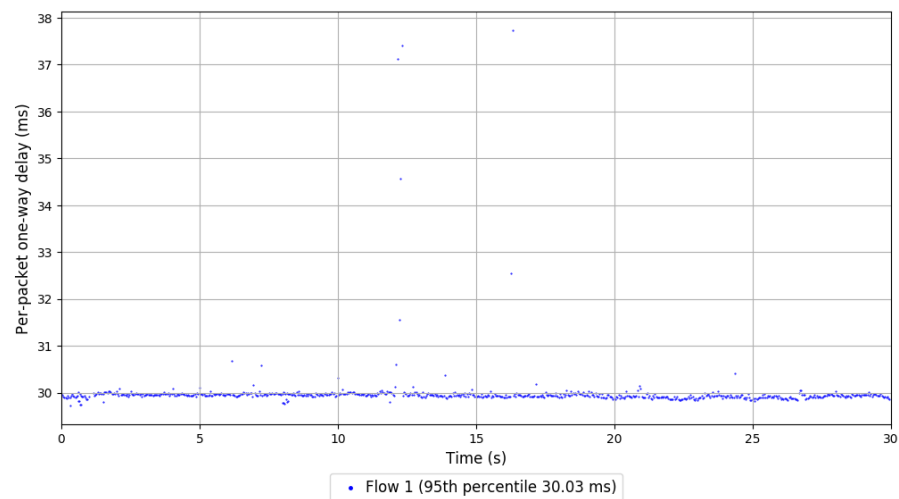
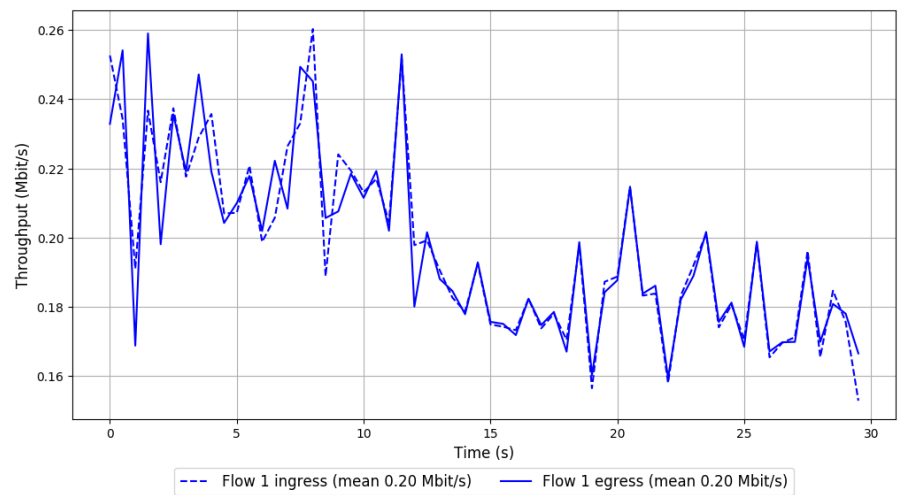


Run 3: Statistics of SCReAM

Start at: 2018-01-16 15:06:08
End at: 2018-01-16 15:06:38
Local clock offset: -0.036 ms
Remote clock offset: -4.649 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.028 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.028 ms
Loss rate: 0.17%

Run 3: Report of SReAM — Data Link

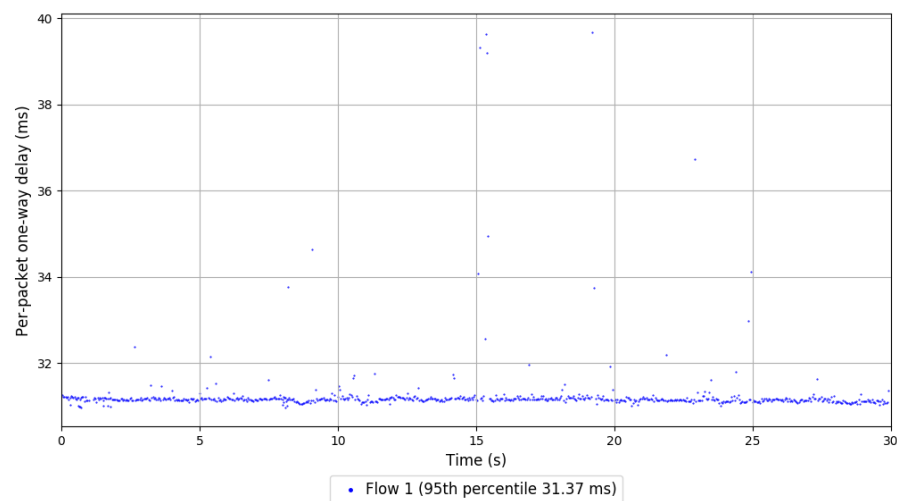
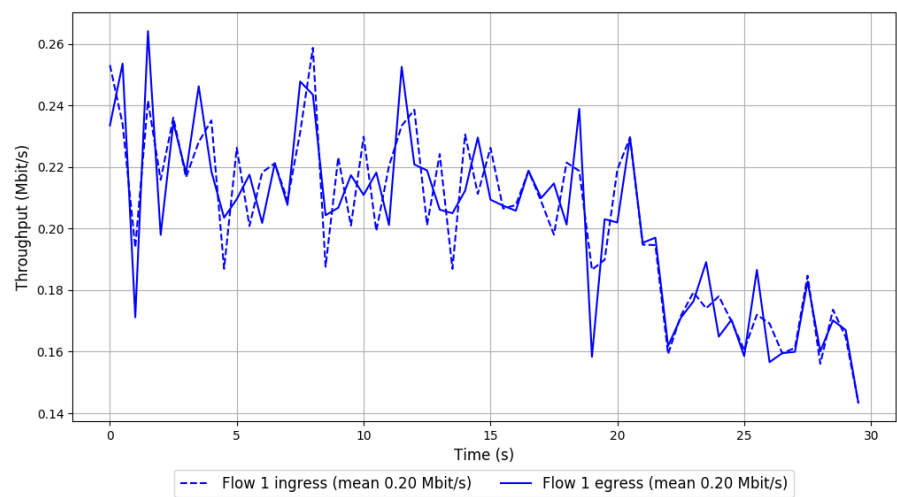


Run 4: Statistics of SCReAM

Start at: 2018-01-16 15:31:55
End at: 2018-01-16 15:32:25
Local clock offset: -0.028 ms
Remote clock offset: -5.254 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 31.367 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 31.367 ms
Loss rate: 0.23%

Run 4: Report of SReAM — Data Link

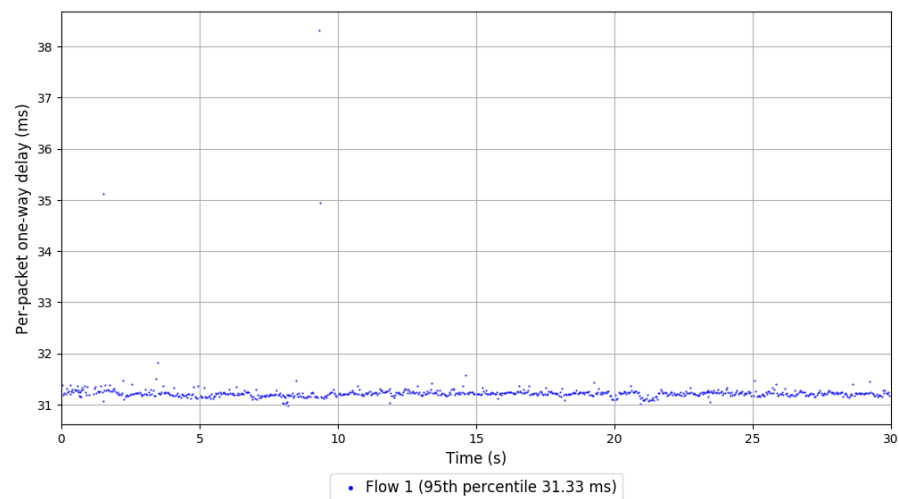
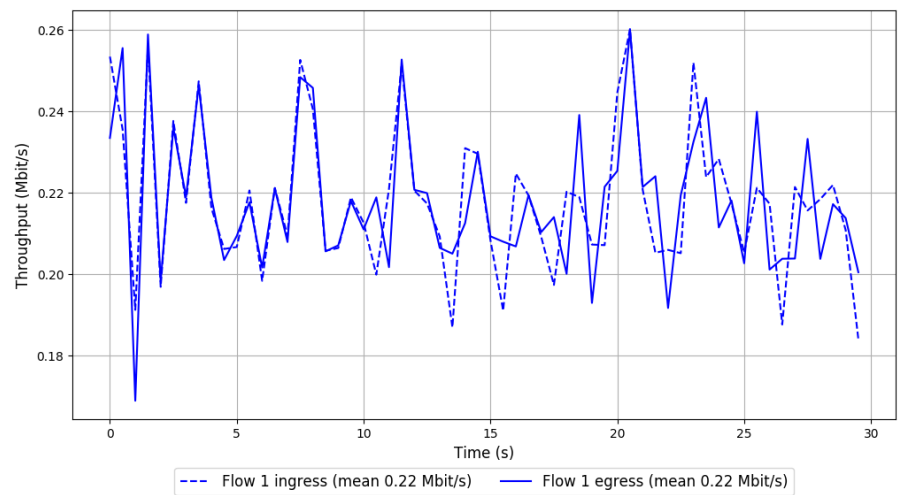


Run 5: Statistics of SCReAM

Start at: 2018-01-16 15:58:21
End at: 2018-01-16 15:58:51
Local clock offset: -0.056 ms
Remote clock offset: -4.941 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.327 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

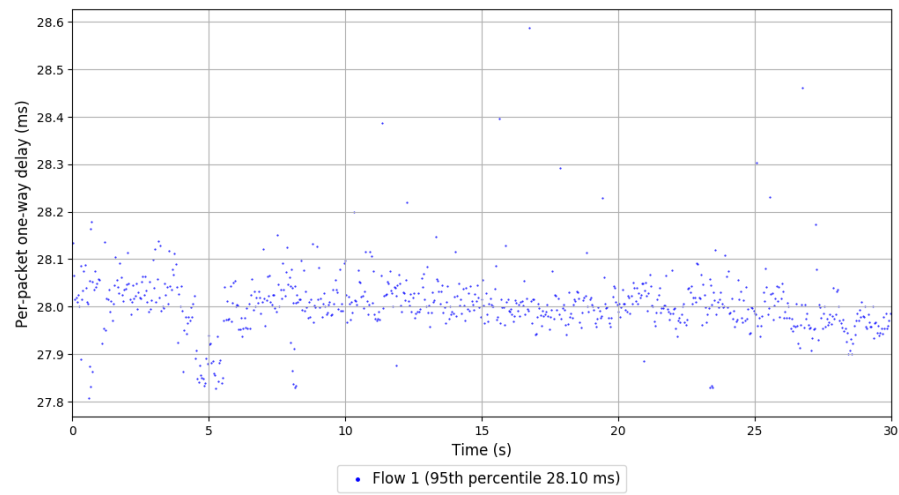
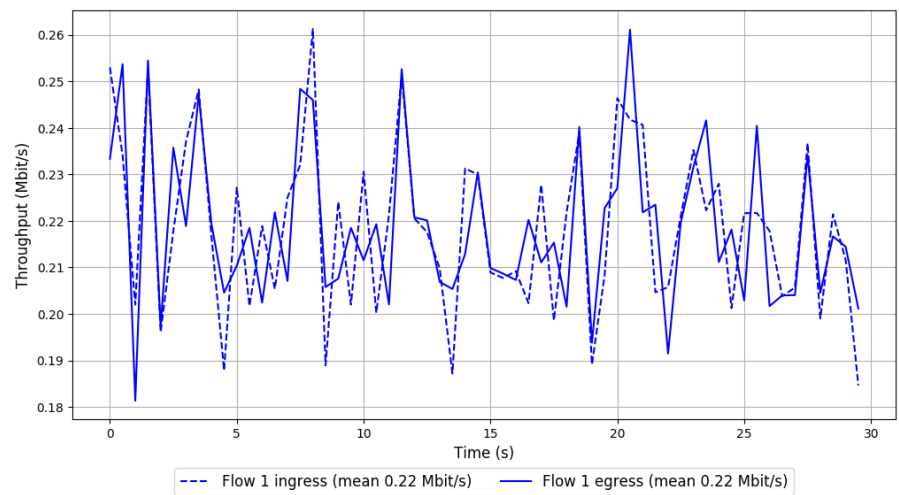


Run 6: Statistics of SCReAM

Start at: 2018-01-16 16:23:12
End at: 2018-01-16 16:23:42
Local clock offset: -0.091 ms
Remote clock offset: -6.625 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.097 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

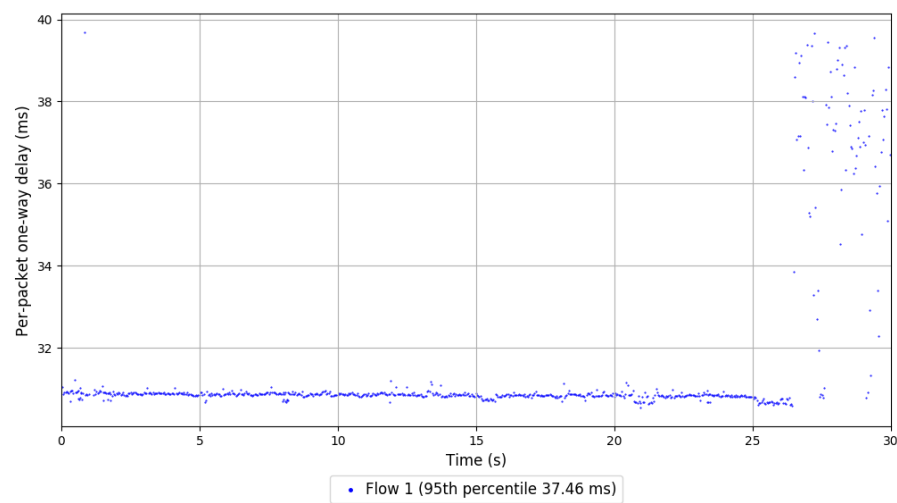
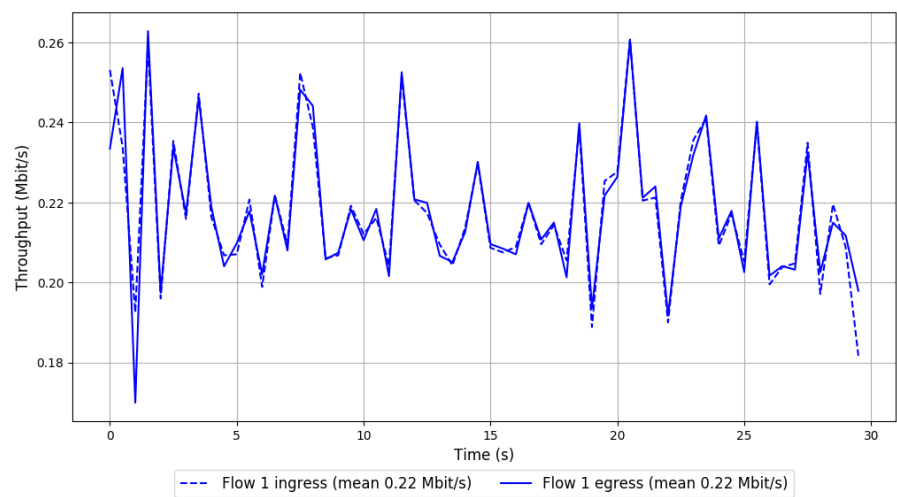


Run 7: Statistics of SCReAM

Start at: 2018-01-16 16:48:44
End at: 2018-01-16 16:49:15
Local clock offset: -0.021 ms
Remote clock offset: -1.723 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.458 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-16 17:14:58

End at: 2018-01-16 17:15:28

Local clock offset: 0.199 ms

Remote clock offset: 0.354 ms

Below is generated by plot.py at 2018-01-16 18:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.128 ms

Loss rate: 0.00%

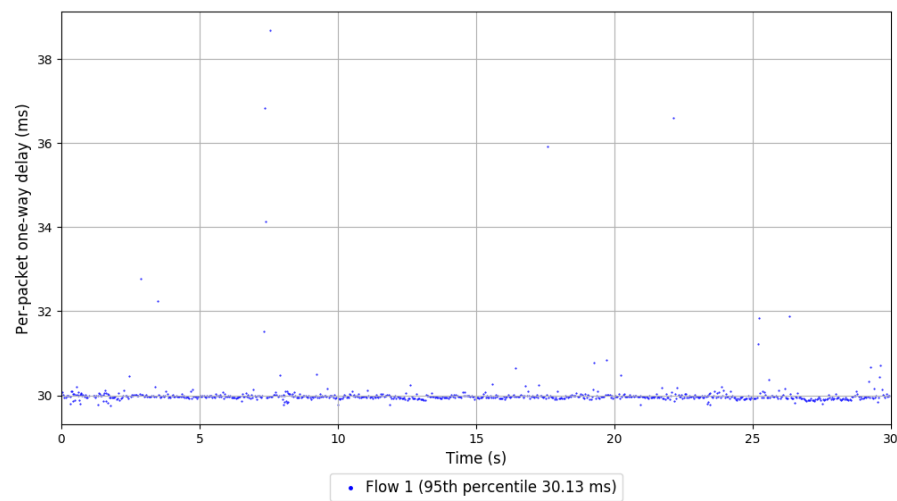
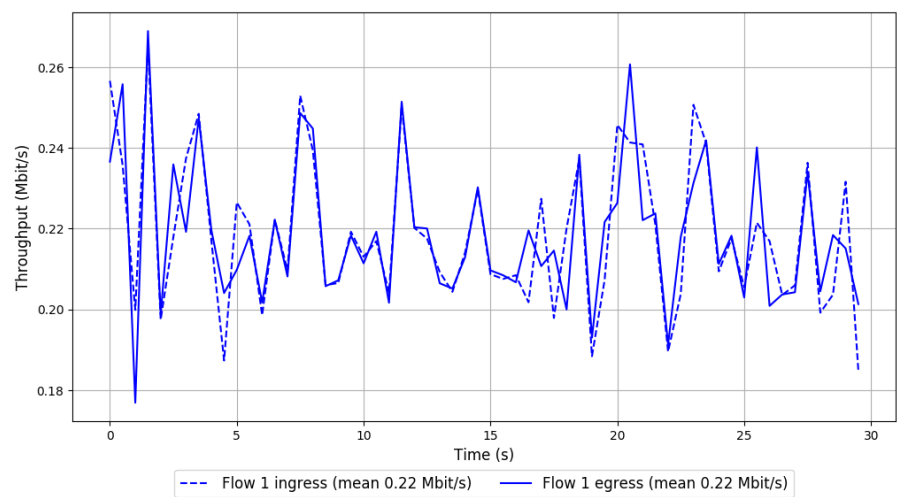
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.128 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

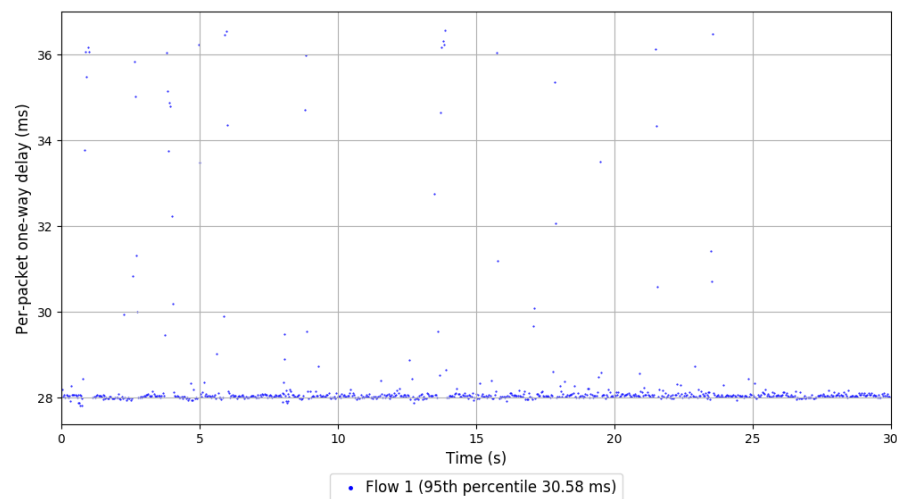
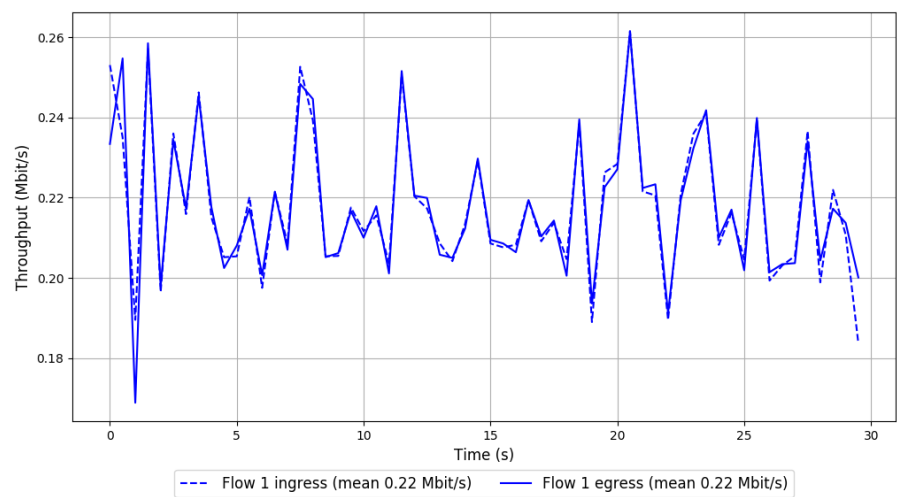


Run 9: Statistics of SCReAM

Start at: 2018-01-16 17:42:39
End at: 2018-01-16 17:43:09
Local clock offset: 0.137 ms
Remote clock offset: -2.607 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.577 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

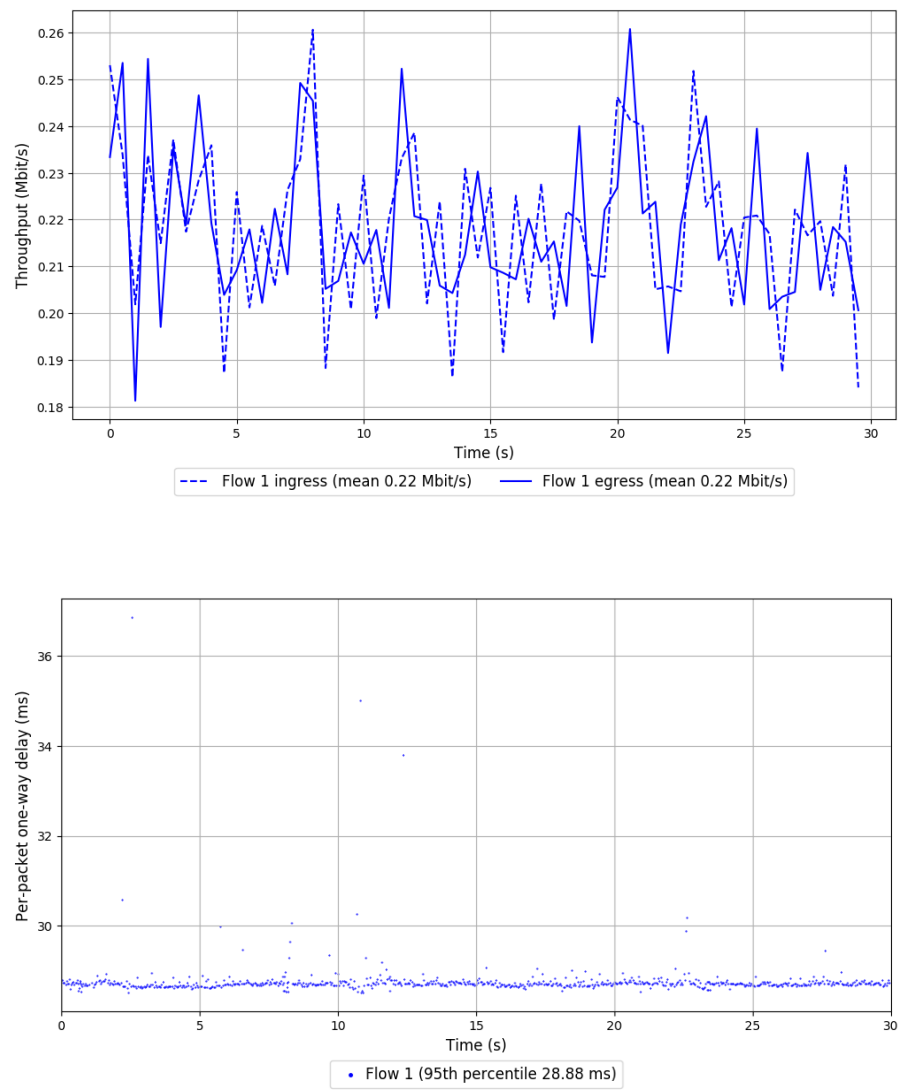


Run 10: Statistics of SReAM

Start at: 2018-01-16 18:09:05
End at: 2018-01-16 18:09:35
Local clock offset: -0.418 ms
Remote clock offset: -4.293 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.884 ms
Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link

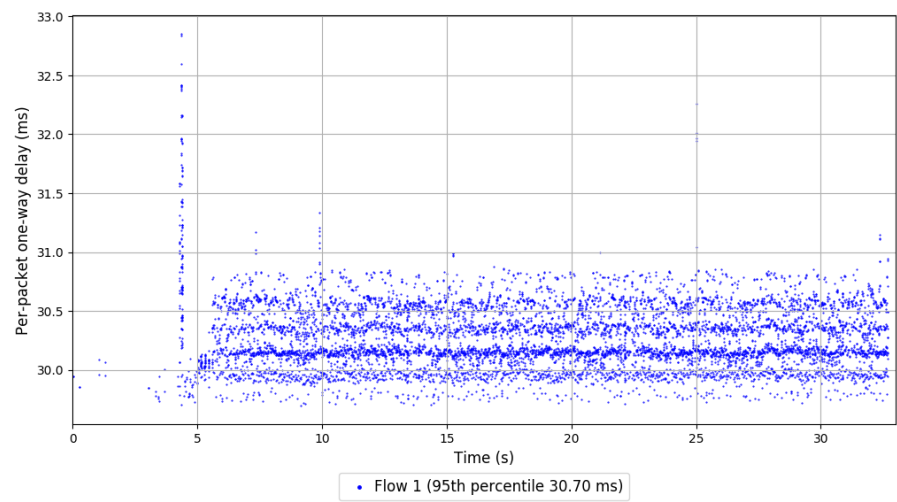
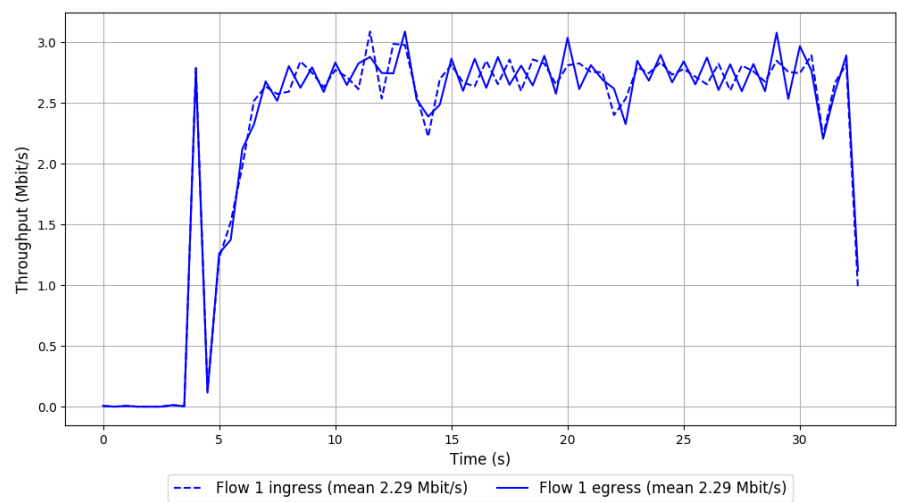


Run 1: Statistics of WebRTC media

Start at: 2018-01-16 14:19:34
End at: 2018-01-16 14:20:04
Local clock offset: -0.27 ms
Remote clock offset: -3.837 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 30.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 30.704 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-16 14:43:54

End at: 2018-01-16 14:44:24

Local clock offset: -0.07 ms

Remote clock offset: -6.53 ms

Below is generated by plot.py at 2018-01-16 18:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 29.068 ms

Loss rate: 0.03%

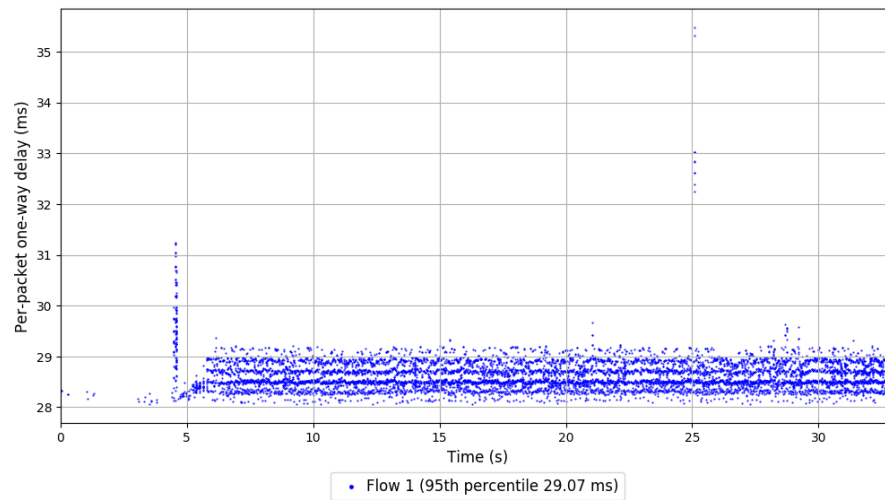
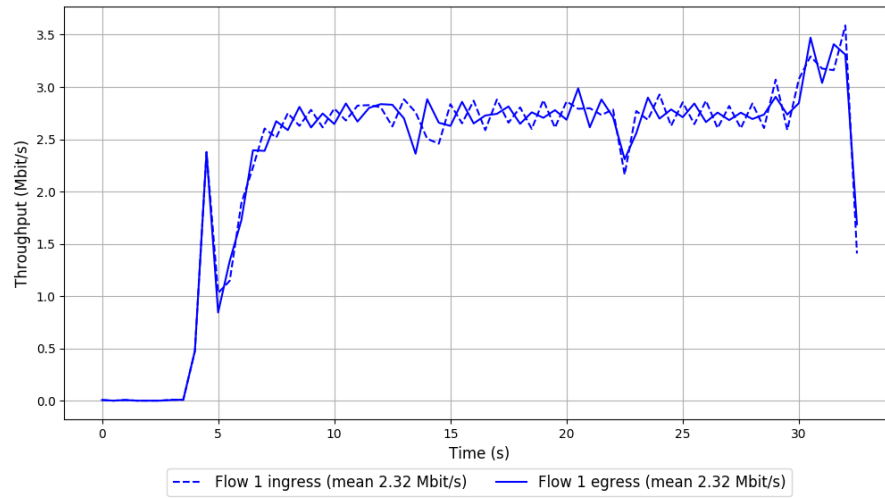
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 29.068 ms

Loss rate: 0.03%

Run 2: Report of WebRTC media — Data Link

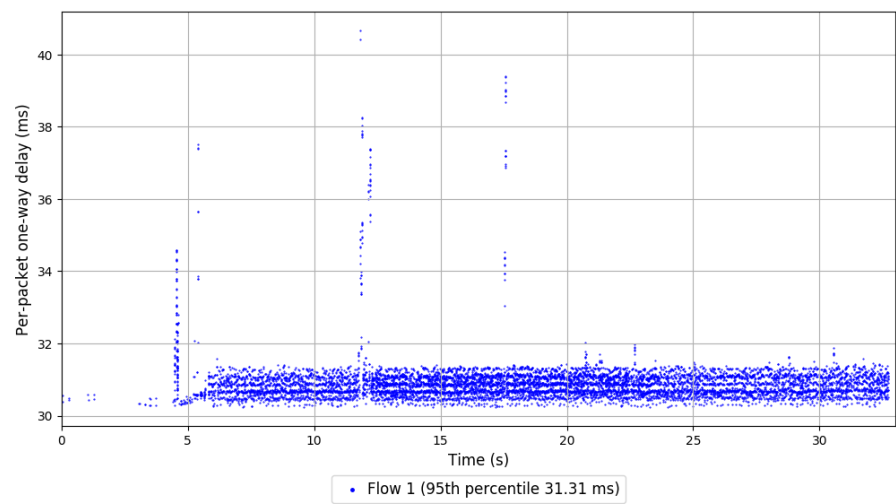
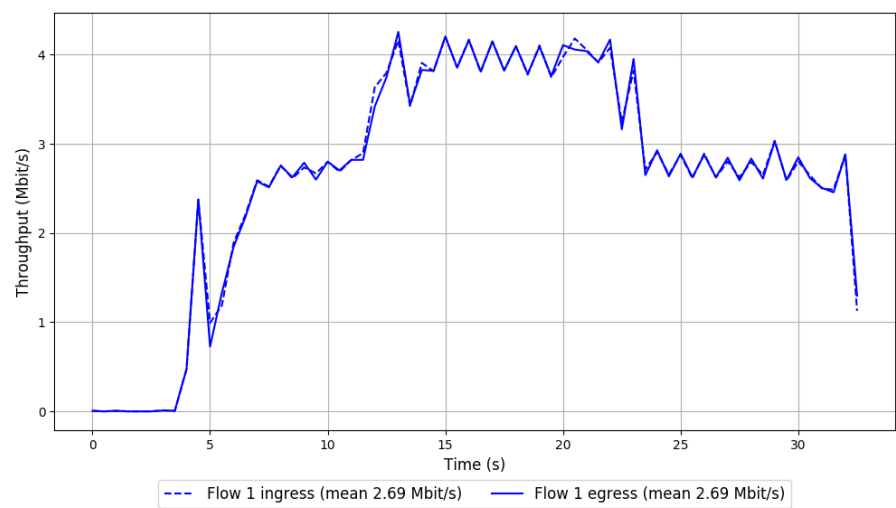


Run 3: Statistics of WebRTC media

Start at: 2018-01-16 15:08:53
End at: 2018-01-16 15:09:23
Local clock offset: 0.008 ms
Remote clock offset: -4.746 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 31.312 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 31.312 ms
Loss rate: 0.14%

Run 3: Report of WebRTC media — Data Link

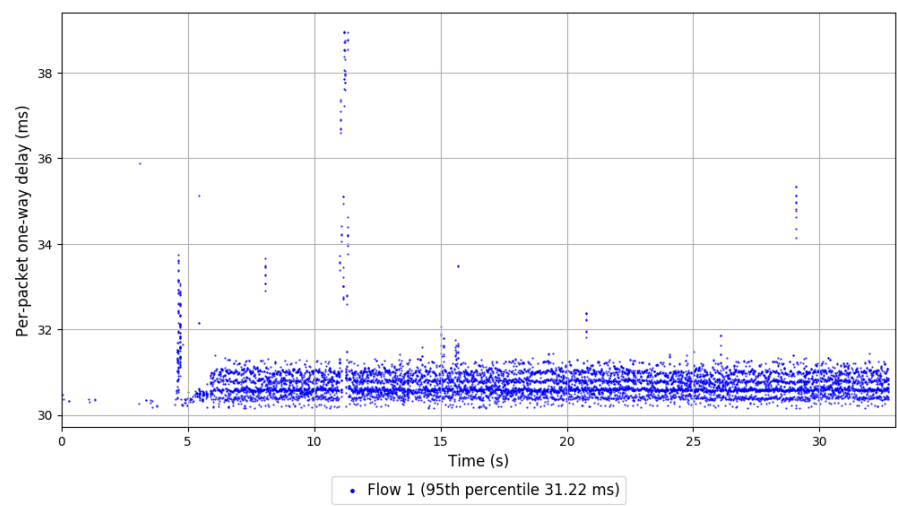
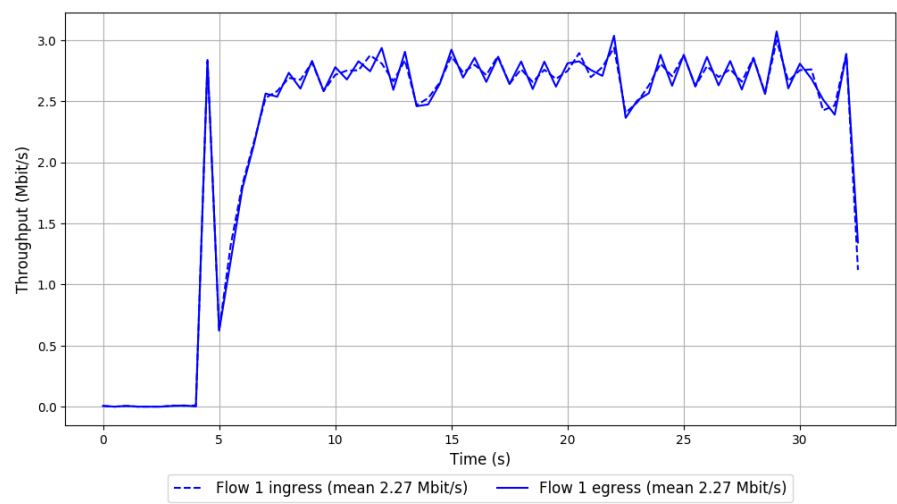


Run 4: Statistics of WebRTC media

Start at: 2018-01-16 15:34:42
End at: 2018-01-16 15:35:12
Local clock offset: 0.081 ms
Remote clock offset: -5.865 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.219 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

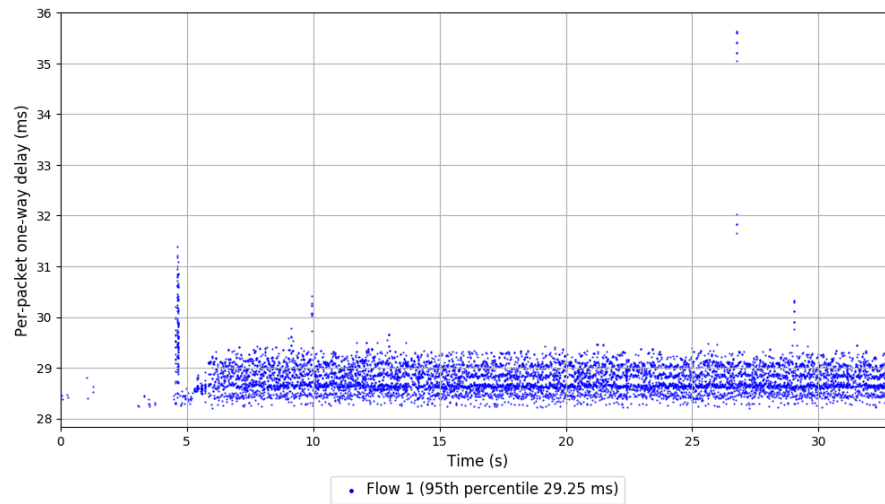
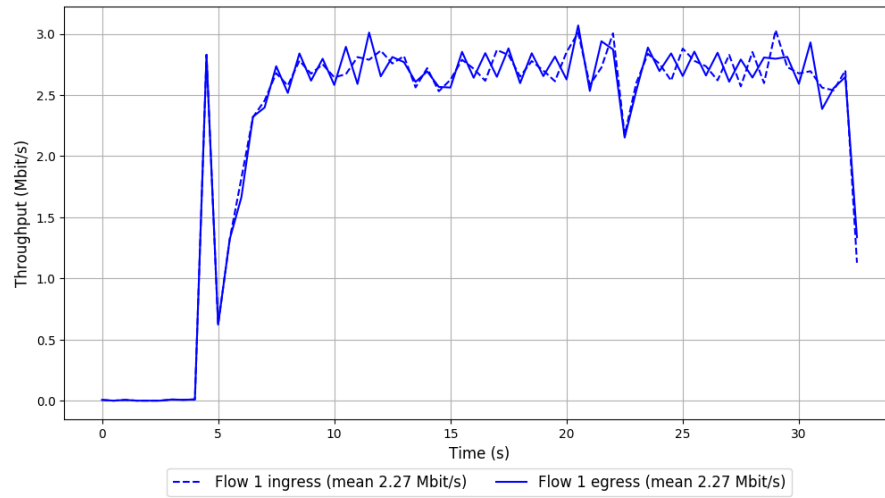


Run 5: Statistics of WebRTC media

Start at: 2018-01-16 16:01:08
End at: 2018-01-16 16:01:38
Local clock offset: 0.074 ms
Remote clock offset: -7.379 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 29.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 29.254 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

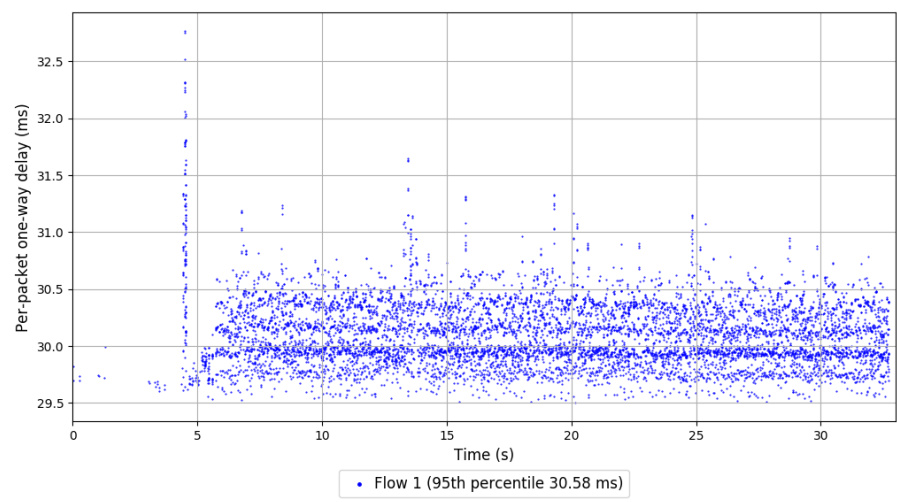
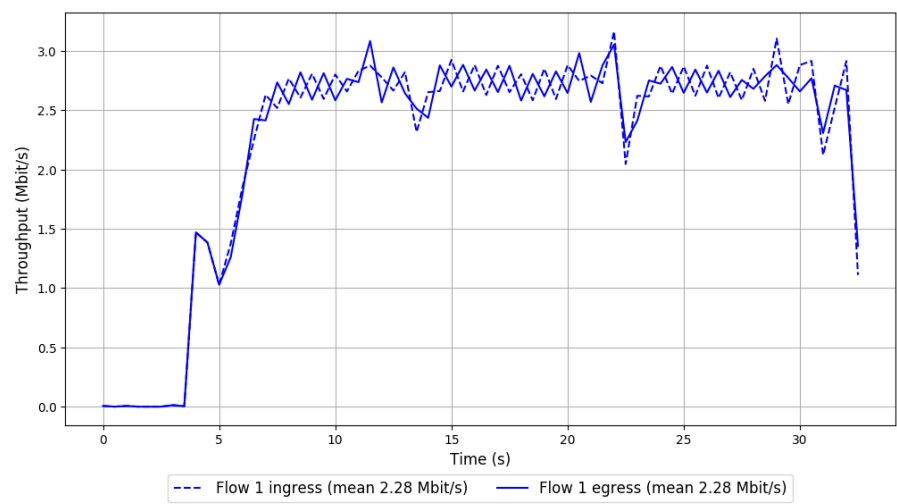


Run 6: Statistics of WebRTC media

Start at: 2018-01-16 16:25:59
End at: 2018-01-16 16:26:29
Local clock offset: -0.011 ms
Remote clock offset: -4.479 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 30.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 30.579 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

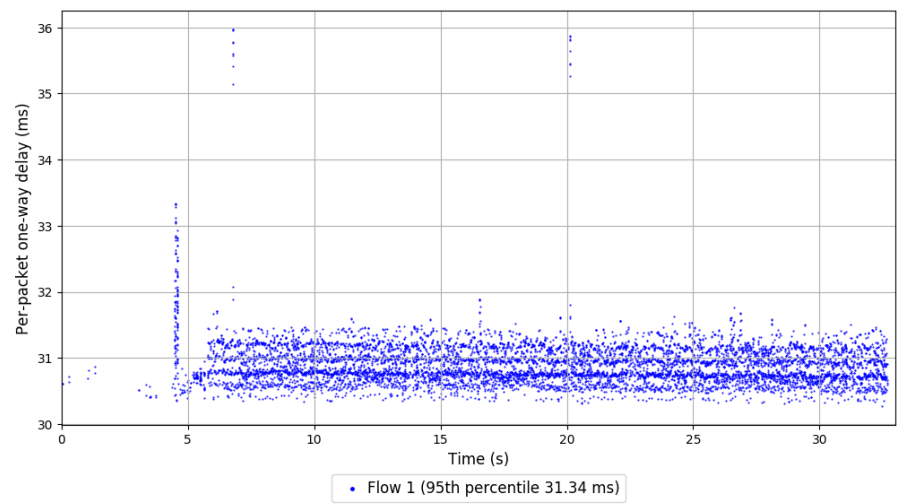
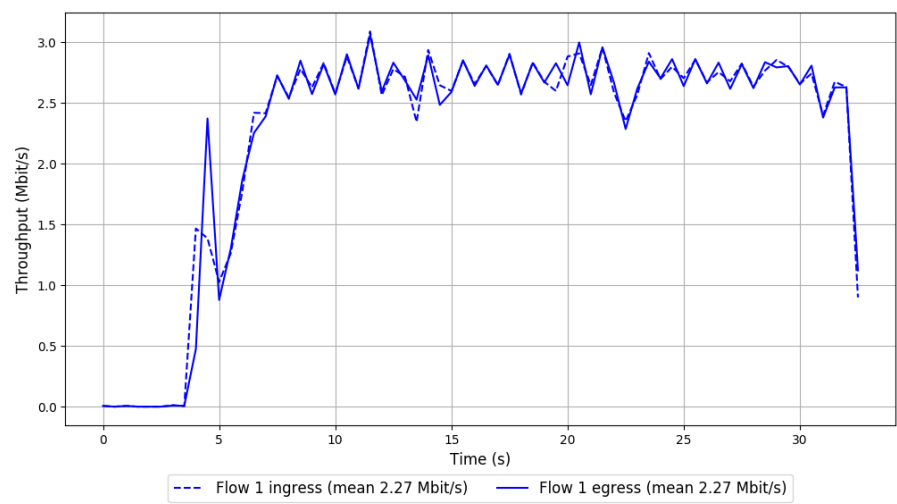


Run 7: Statistics of WebRTC media

Start at: 2018-01-16 16:51:29
End at: 2018-01-16 16:51:59
Local clock offset: 0.02 ms
Remote clock offset: -1.454 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.342 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-16 17:17:55

End at: 2018-01-16 17:18:25

Local clock offset: 0.18 ms

Remote clock offset: 0.841 ms

Below is generated by plot.py at 2018-01-16 18:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 31.685 ms

Loss rate: 0.10%

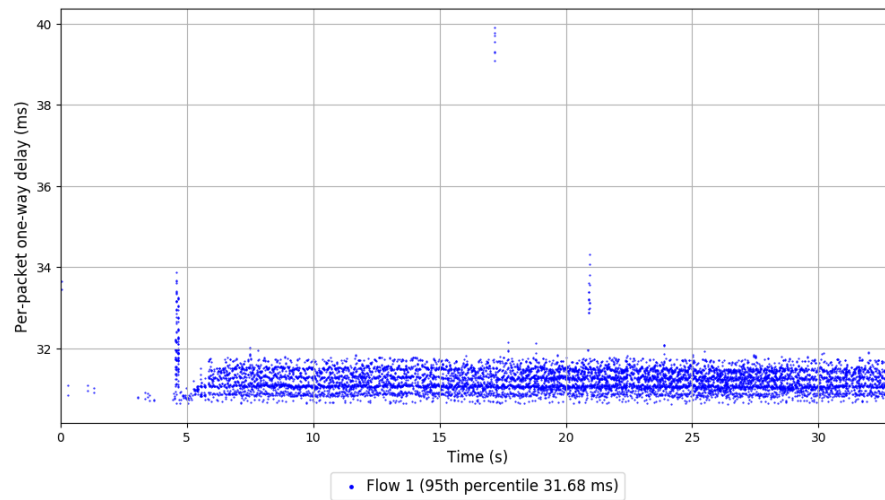
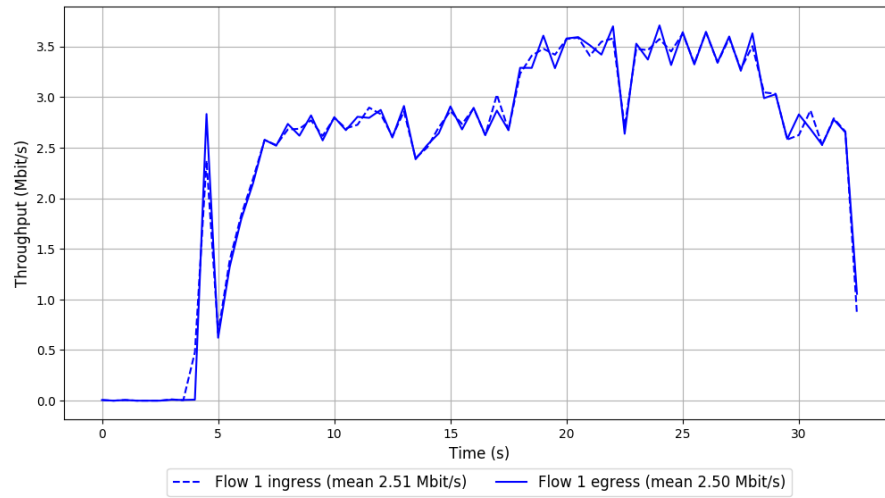
-- Flow 1:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 31.685 ms

Loss rate: 0.10%

Run 8: Report of WebRTC media — Data Link

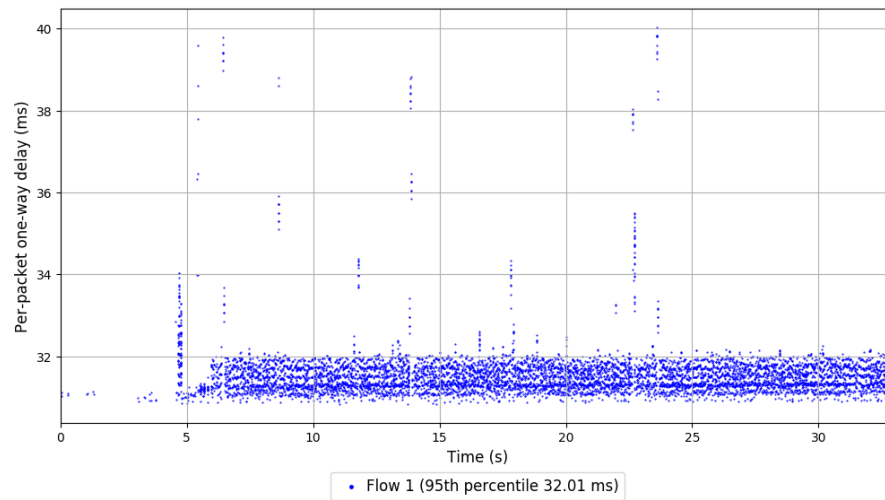
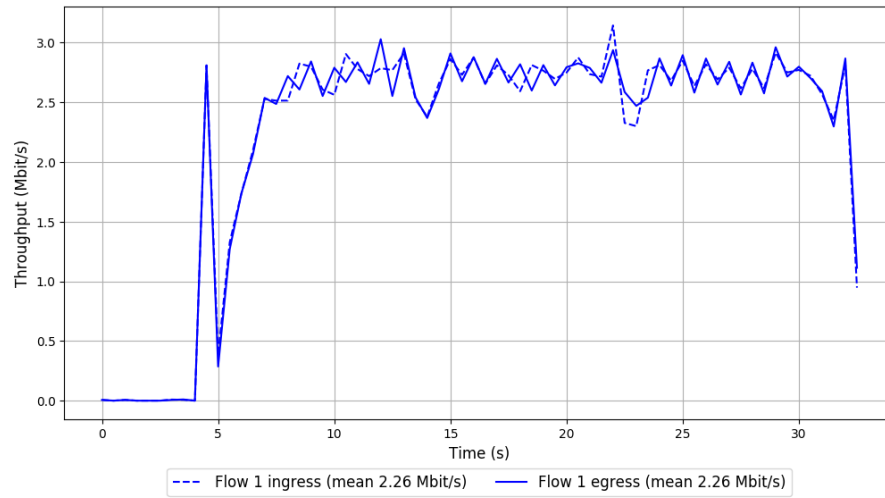


Run 9: Statistics of WebRTC media

Start at: 2018-01-16 17:45:35
End at: 2018-01-16 17:46:05
Local clock offset: 0.251 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 32.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 32.009 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

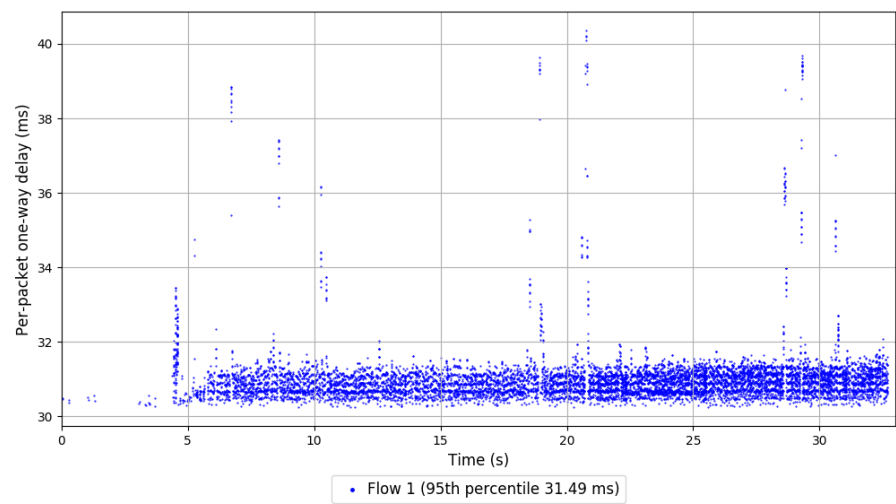
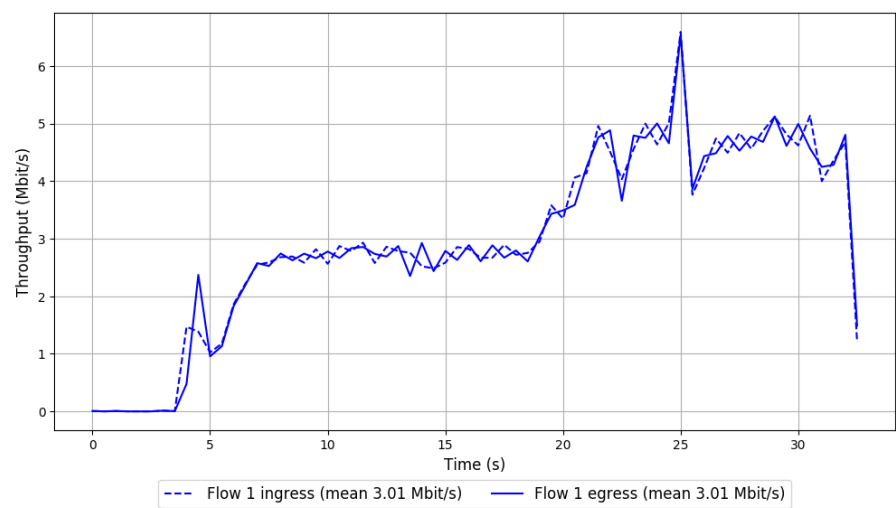


Run 10: Statistics of WebRTC media

Start at: 2018-01-16 18:11:52
End at: 2018-01-16 18:12:22
Local clock offset: -0.464 ms
Remote clock offset: -2.493 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 31.491 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 31.491 ms
Loss rate: 0.31%

Run 10: Report of WebRTC media — Data Link

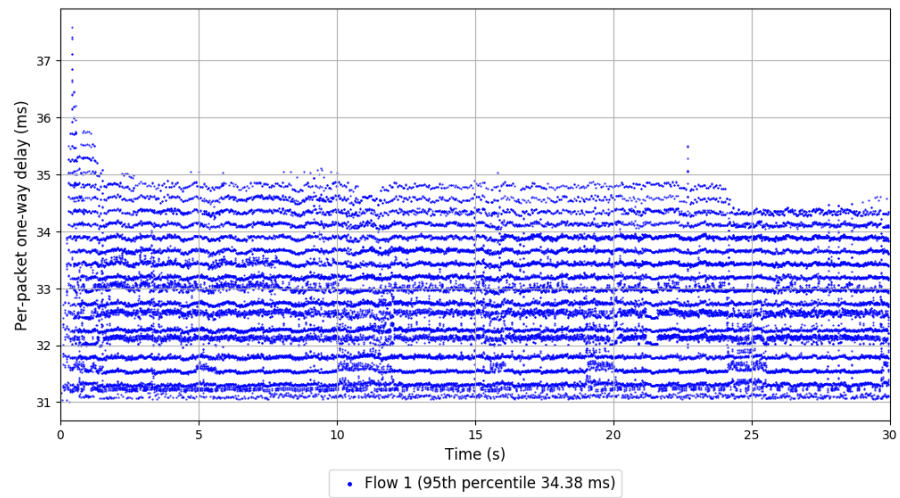
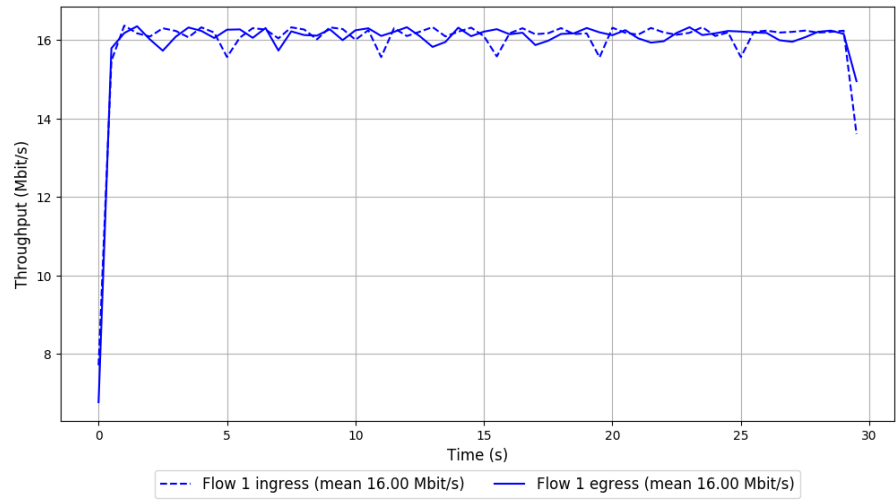


Run 1: Statistics of Sprout

Start at: 2018-01-16 14:08:47
End at: 2018-01-16 14:09:17
Local clock offset: -0.209 ms
Remote clock offset: -3.221 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 34.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 34.377 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

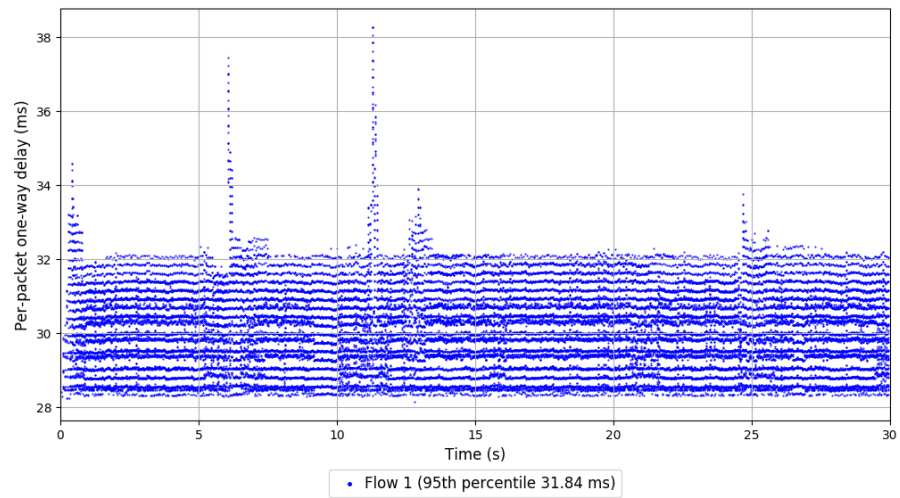
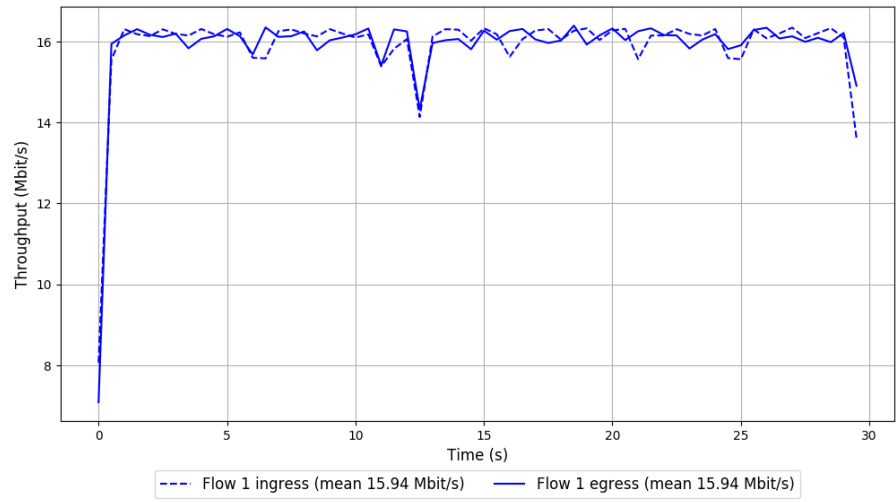


Run 2: Statistics of Sprout

Start at: 2018-01-16 14:33:06
End at: 2018-01-16 14:33:36
Local clock offset: -0.12 ms
Remote clock offset: -6.398 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 31.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 31.839 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

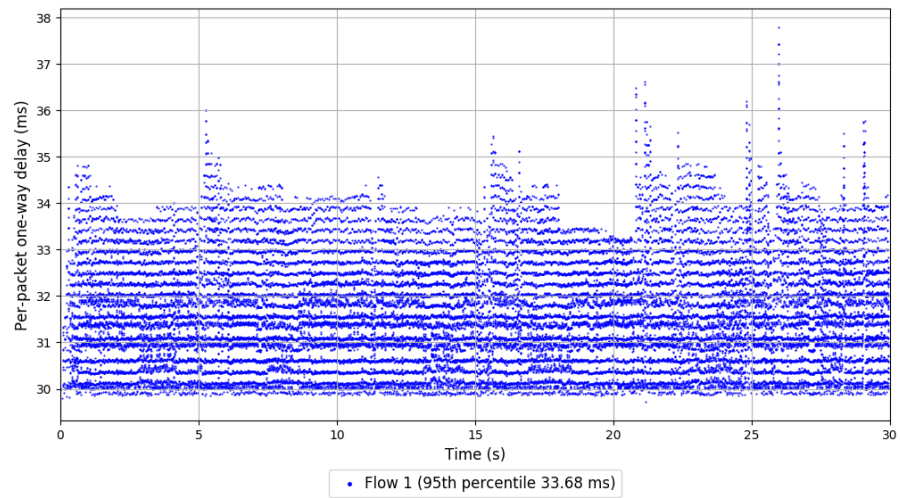
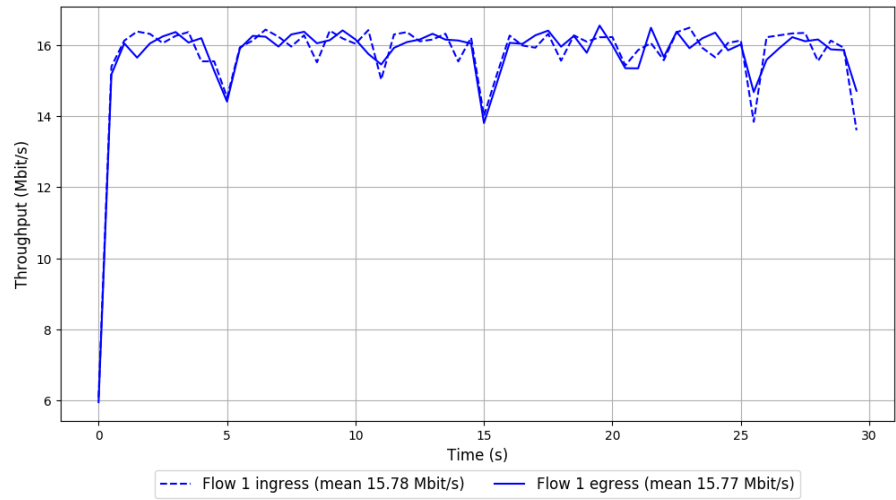


Run 3: Statistics of Sprout

Start at: 2018-01-16 14:57:35
End at: 2018-01-16 14:58:05
Local clock offset: -0.072 ms
Remote clock offset: -4.341 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 33.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 33.683 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

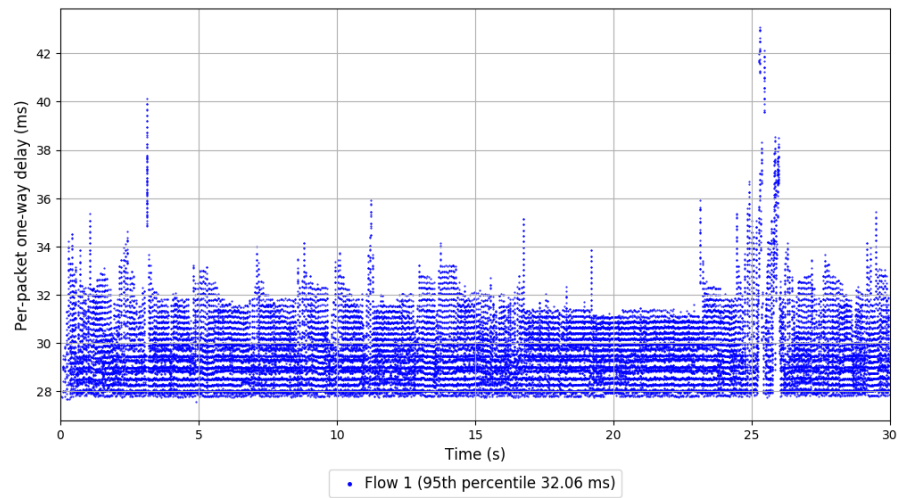
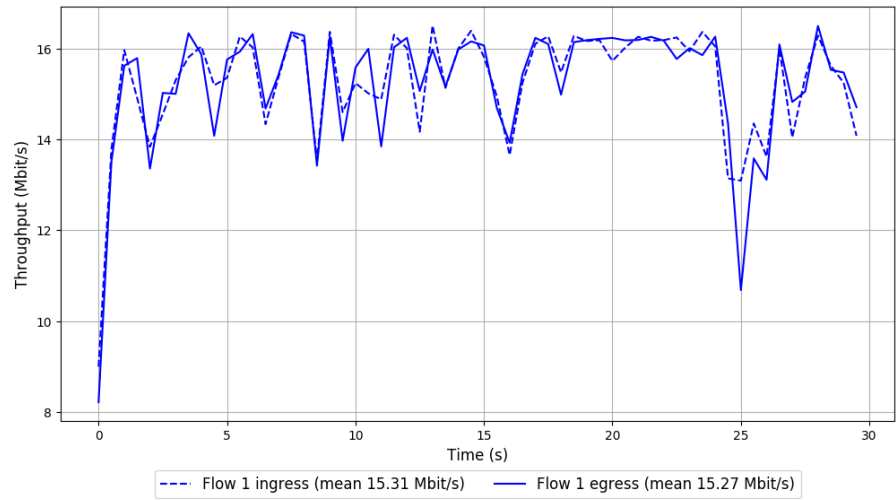


Run 4: Statistics of Sprout

Start at: 2018-01-16 15:23:18
End at: 2018-01-16 15:23:49
Local clock offset: 0.063 ms
Remote clock offset: -7.308 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.27 Mbit/s
95th percentile per-packet one-way delay: 32.061 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 15.27 Mbit/s
95th percentile per-packet one-way delay: 32.061 ms
Loss rate: 0.25%

Run 4: Report of Sprout — Data Link

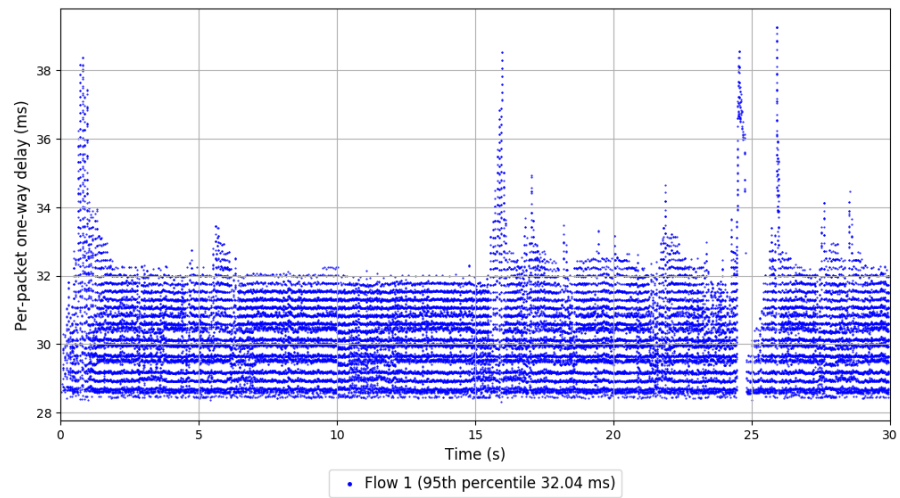
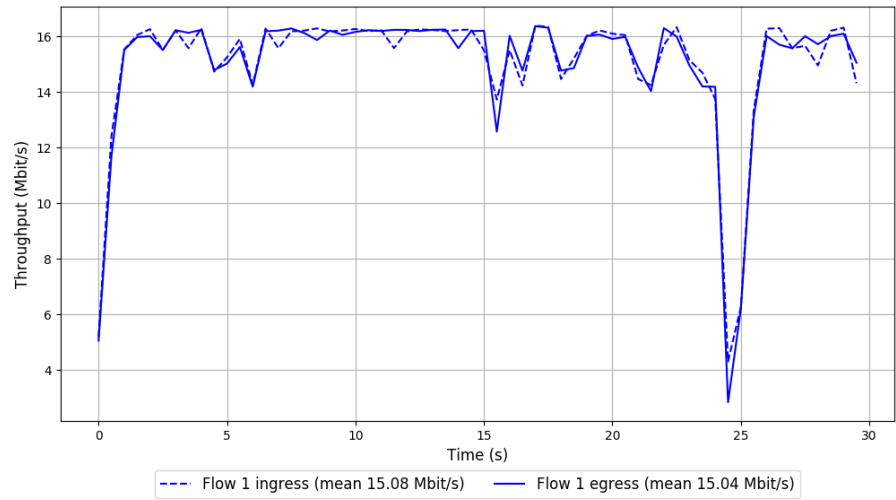


Run 5: Statistics of Sprout

Start at: 2018-01-16 15:49:32
End at: 2018-01-16 15:50:02
Local clock offset: 0.034 ms
Remote clock offset: -7.785 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 32.041 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 32.041 ms
Loss rate: 0.24%

Run 5: Report of Sprout — Data Link

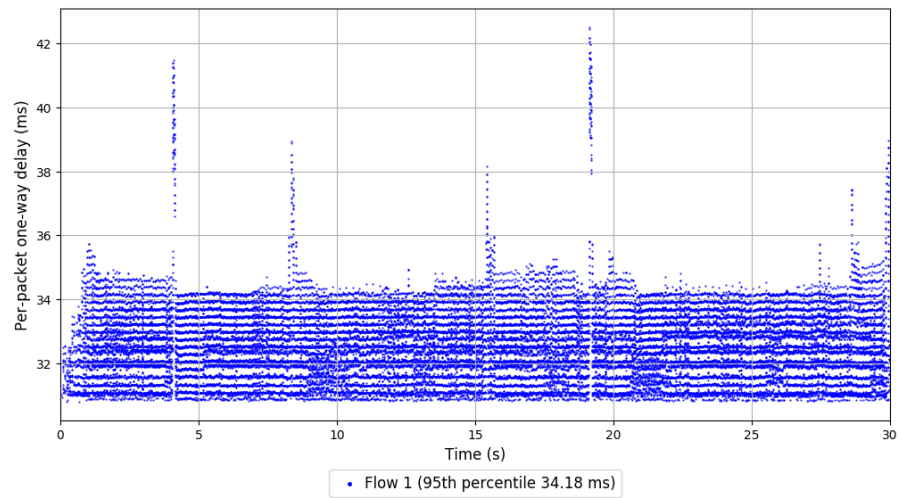
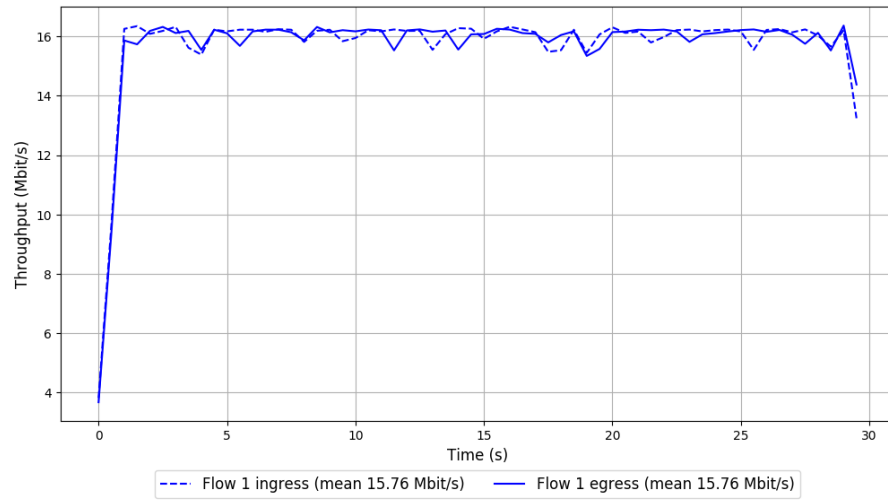


Run 6: Statistics of Sprout

Start at: 2018-01-16 16:14:49
End at: 2018-01-16 16:15:19
Local clock offset: 0.011 ms
Remote clock offset: -4.633 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 34.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 34.182 ms
Loss rate: 0.01%

Run 6: Report of Sprout — Data Link

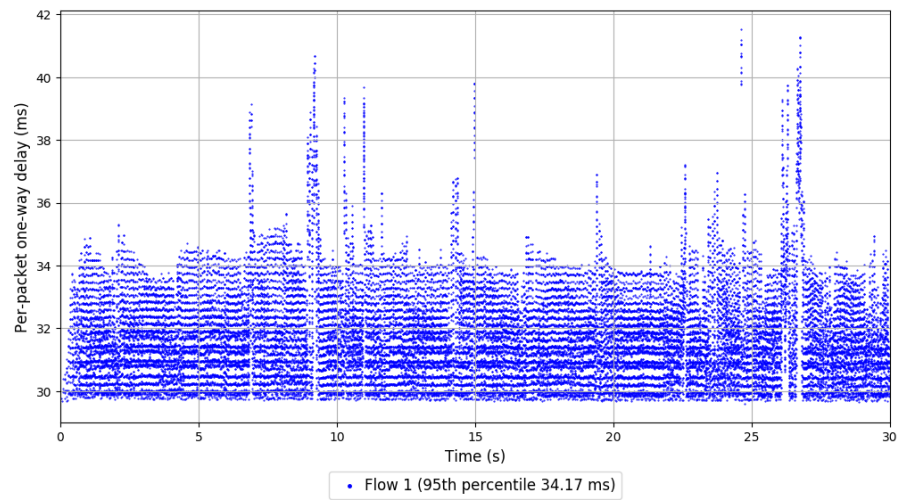
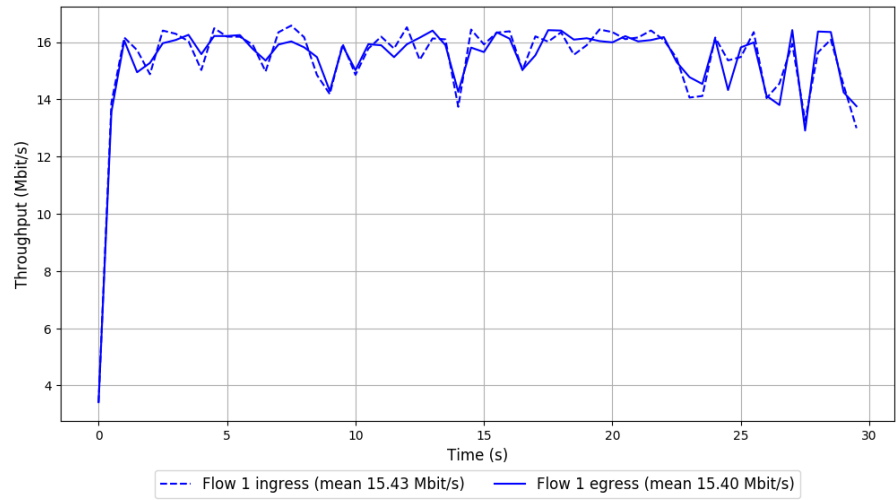


Run 7: Statistics of Sprout

Start at: 2018-01-16 16:40:11
End at: 2018-01-16 16:40:41
Local clock offset: -0.025 ms
Remote clock offset: -3.275 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 34.174 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 34.174 ms
Loss rate: 0.17%

Run 7: Report of Sprout — Data Link

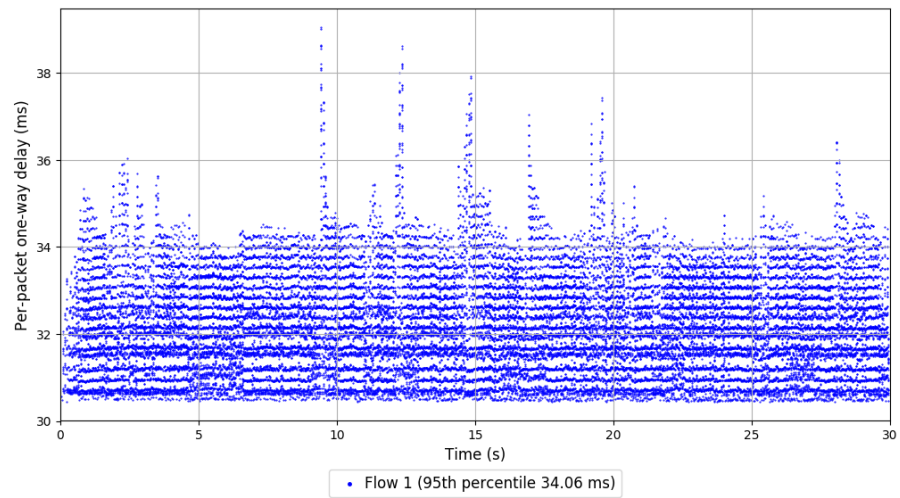
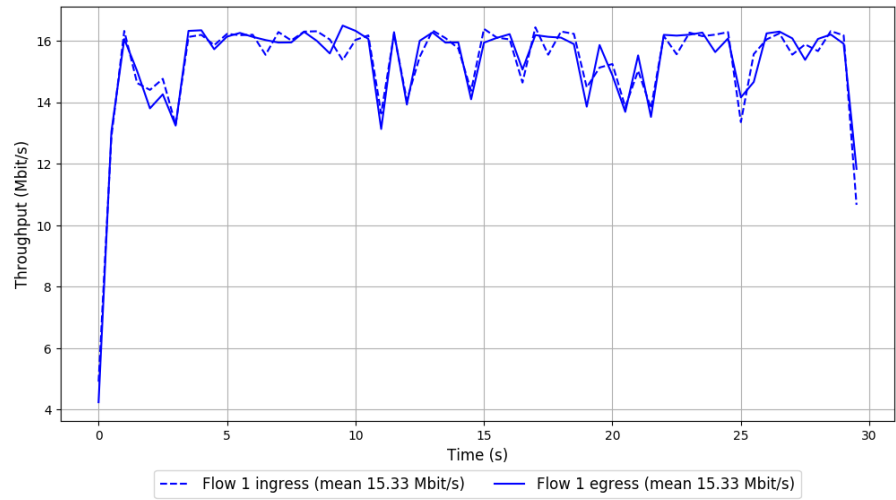


Run 8: Statistics of Sprout

Start at: 2018-01-16 17:05:58
End at: 2018-01-16 17:06:28
Local clock offset: 0.111 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-01-16 18:59:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 34.057 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 34.057 ms
Loss rate: 0.01%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-16 17:33:05

End at: 2018-01-16 17:33:36

Local clock offset: 0.088 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2018-01-16 18:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.67 Mbit/s

95th percentile per-packet one-way delay: 34.460 ms

Loss rate: 0.09%

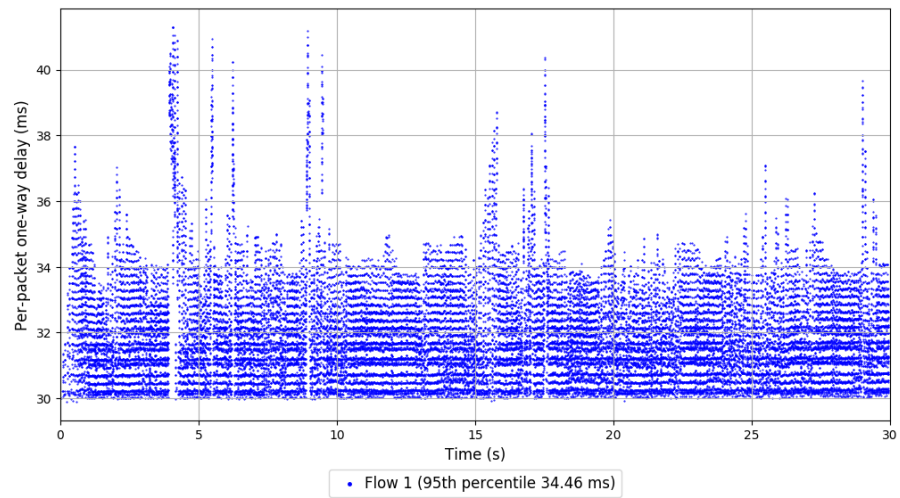
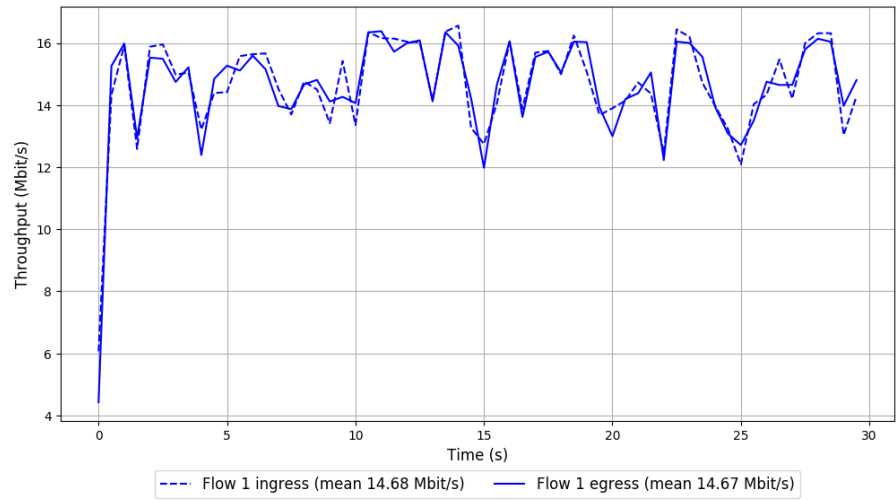
-- Flow 1:

Average throughput: 14.67 Mbit/s

95th percentile per-packet one-way delay: 34.460 ms

Loss rate: 0.09%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-16 18:00:28

End at: 2018-01-16 18:00:58

Local clock offset: 0.013 ms

Remote clock offset: -1.666 ms

Below is generated by plot.py at 2018-01-16 18:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.10 Mbit/s

95th percentile per-packet one-way delay: 34.028 ms

Loss rate: 0.05%

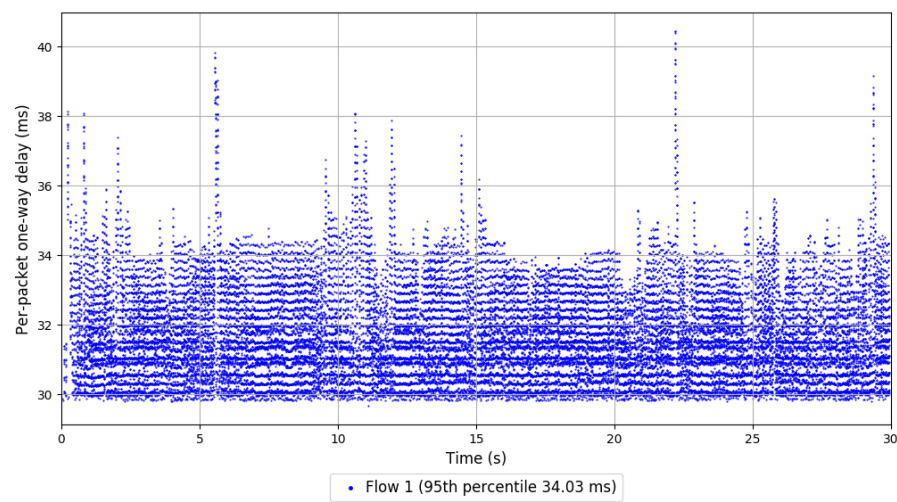
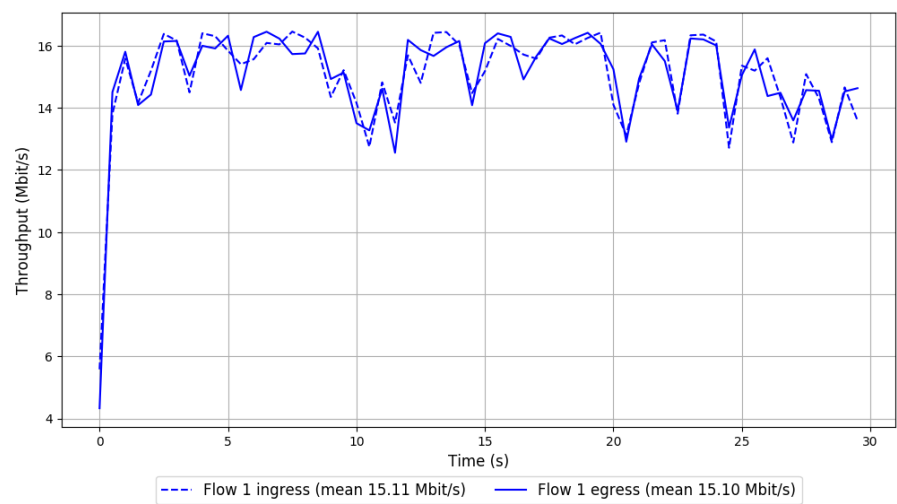
-- Flow 1:

Average throughput: 15.10 Mbit/s

95th percentile per-packet one-way delay: 34.028 ms

Loss rate: 0.05%

Run 10: Report of Sprout — Data Link

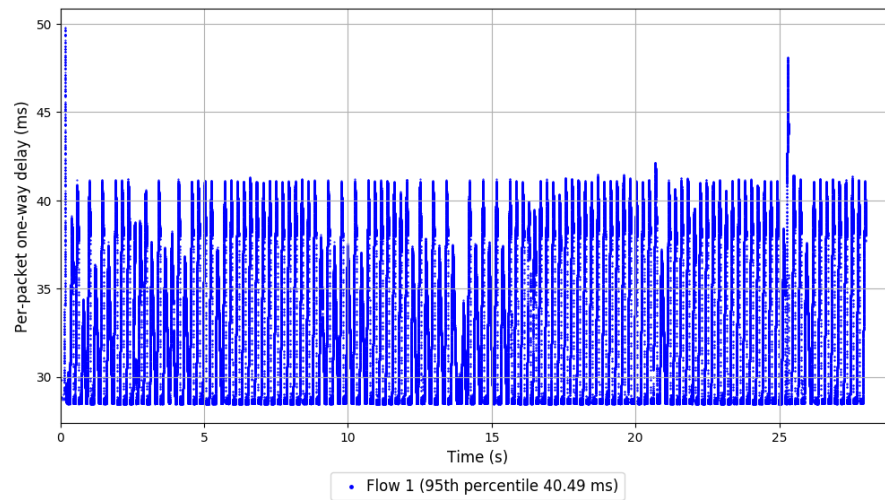
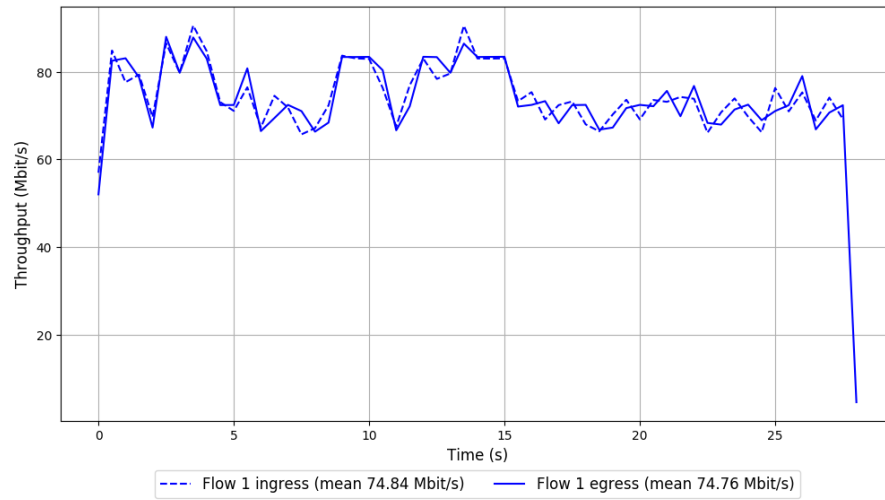


Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 14:22:10
End at: 2018-01-16 14:22:40
Local clock offset: -0.165 ms
Remote clock offset: -5.944 ms

Below is generated by plot.py at 2018-01-16 19:01:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.76 Mbit/s
95th percentile per-packet one-way delay: 40.494 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.76 Mbit/s
95th percentile per-packet one-way delay: 40.494 ms
Loss rate: 0.09%

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

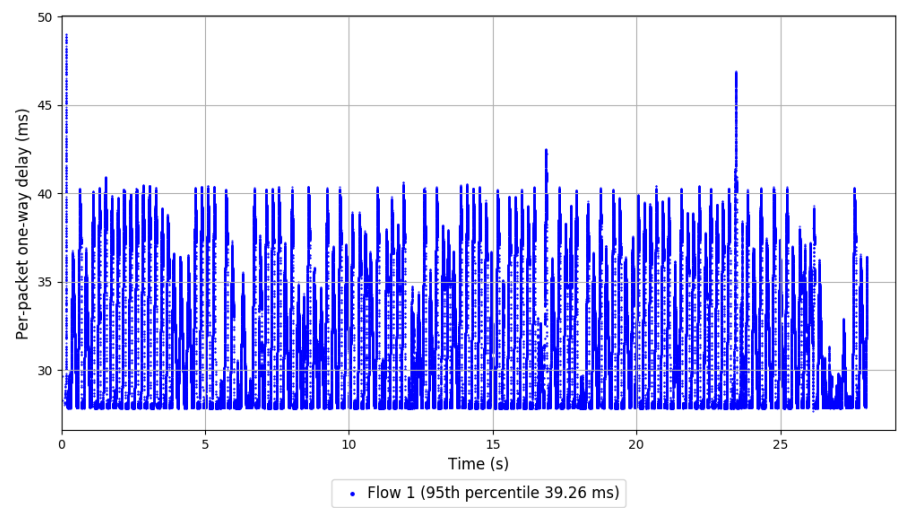
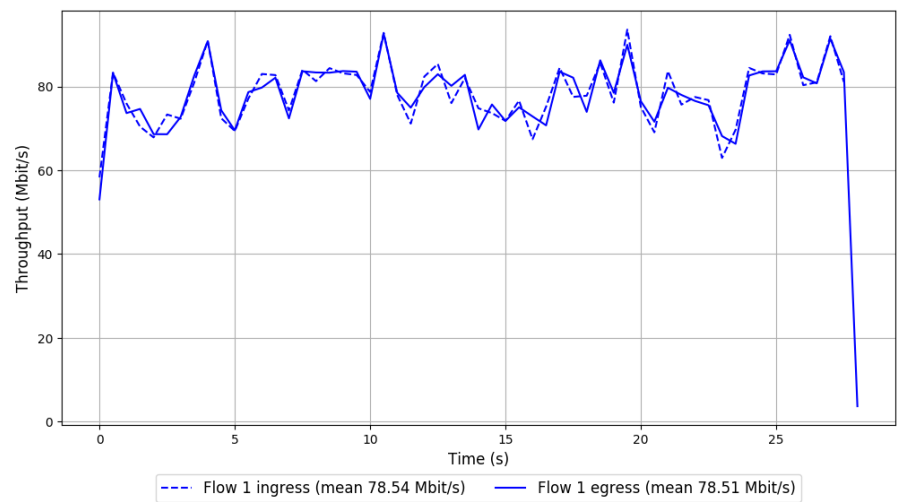


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-16 14:46:29
End at: 2018-01-16 14:46:59
Local clock offset: -0.175 ms
Remote clock offset: -6.421 ms

Below is generated by plot.py at 2018-01-16 19:01:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 39.264 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 39.264 ms
Loss rate: 0.01%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 15:11:34

End at: 2018-01-16 15:12:04

Local clock offset: -0.086 ms

Remote clock offset: -4.7 ms

Below is generated by plot.py at 2018-01-16 19:01:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.45 Mbit/s

95th percentile per-packet one-way delay: 42.349 ms

Loss rate: 0.08%

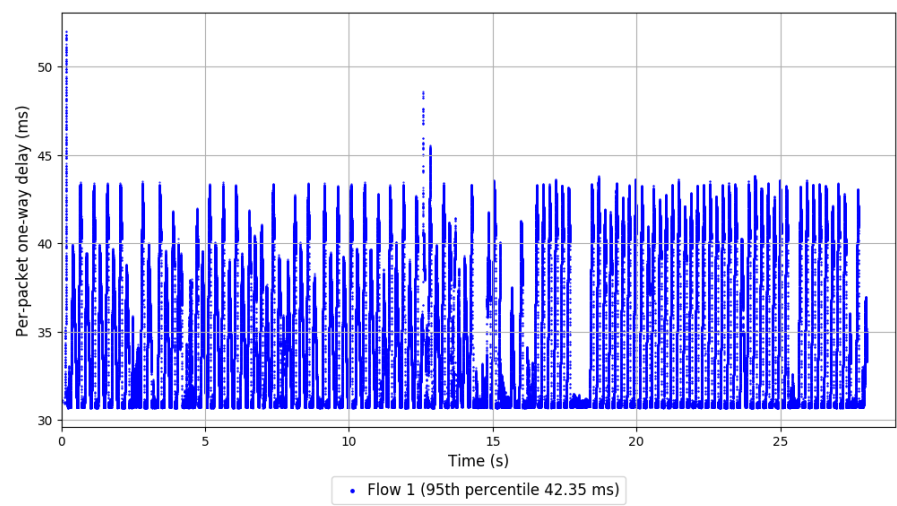
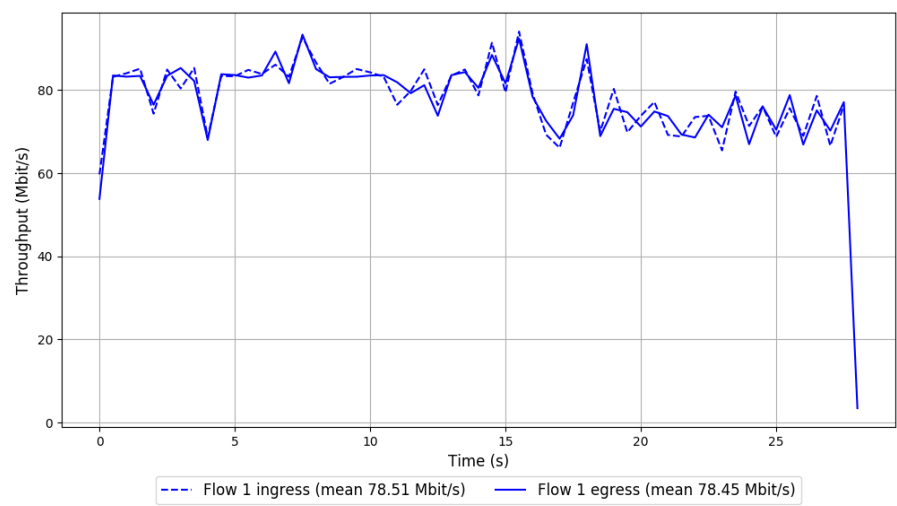
-- Flow 1:

Average throughput: 78.45 Mbit/s

95th percentile per-packet one-way delay: 42.349 ms

Loss rate: 0.08%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-16 15:37:26

End at: 2018-01-16 15:37:56

Local clock offset: 0.061 ms

Remote clock offset: -5.801 ms

Below is generated by plot.py at 2018-01-16 19:01:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.34 Mbit/s

95th percentile per-packet one-way delay: 41.160 ms

Loss rate: 0.05%

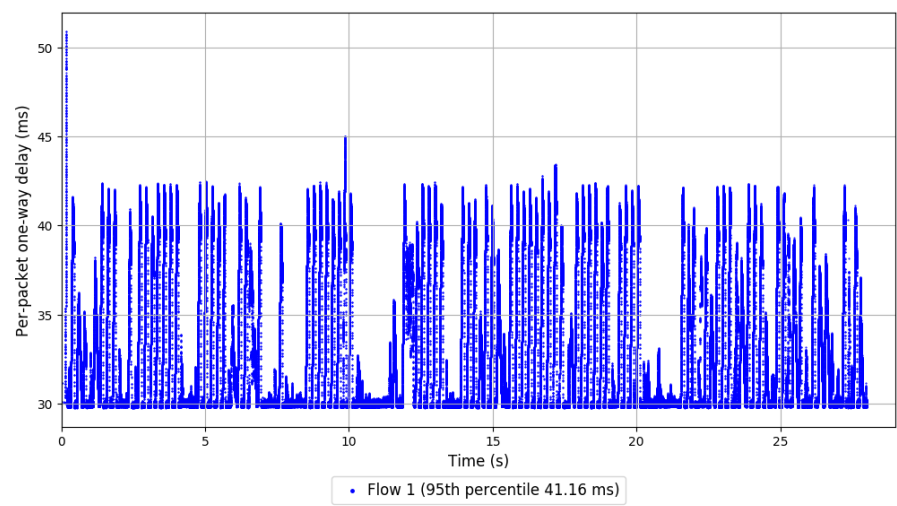
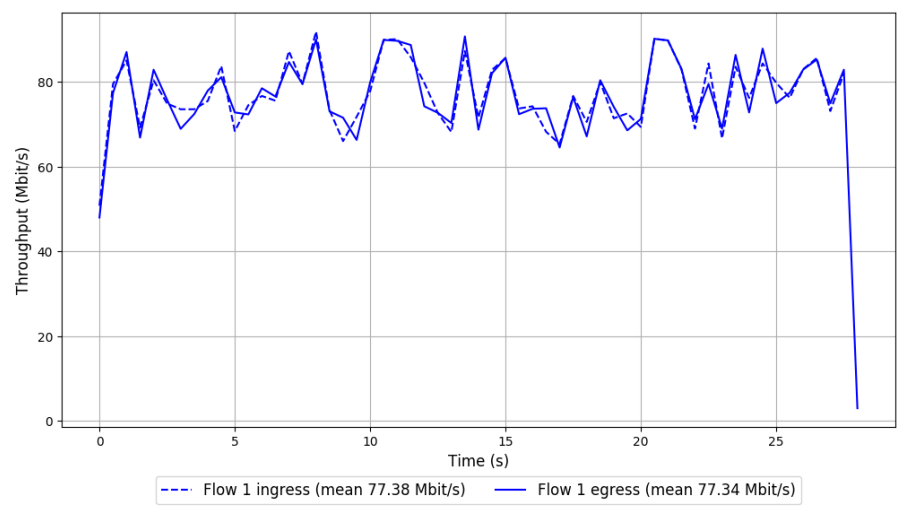
-- Flow 1:

Average throughput: 77.34 Mbit/s

95th percentile per-packet one-way delay: 41.160 ms

Loss rate: 0.05%

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

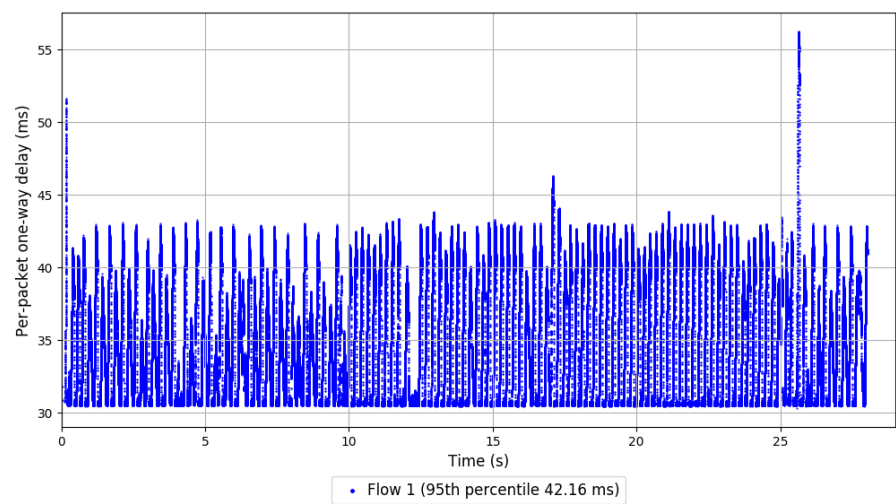
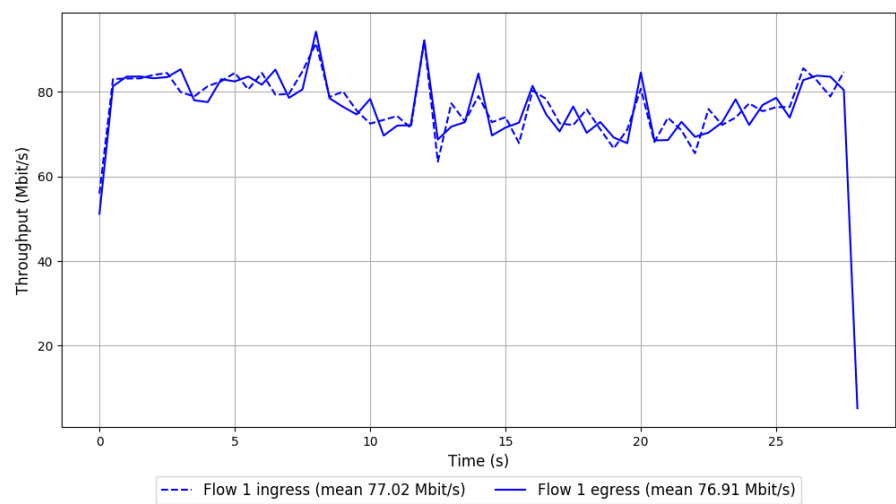


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-16 16:03:46
End at: 2018-01-16 16:04:16
Local clock offset: -0.004 ms
Remote clock offset: -4.677 ms

Below is generated by plot.py at 2018-01-16 19:01:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 42.158 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 42.158 ms
Loss rate: 0.11%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-16 16:28:44

End at: 2018-01-16 16:29:14

Local clock offset: 0.023 ms

Remote clock offset: -4.051 ms

Below is generated by plot.py at 2018-01-16 19:01:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.22 Mbit/s

95th percentile per-packet one-way delay: 42.076 ms

Loss rate: 0.07%

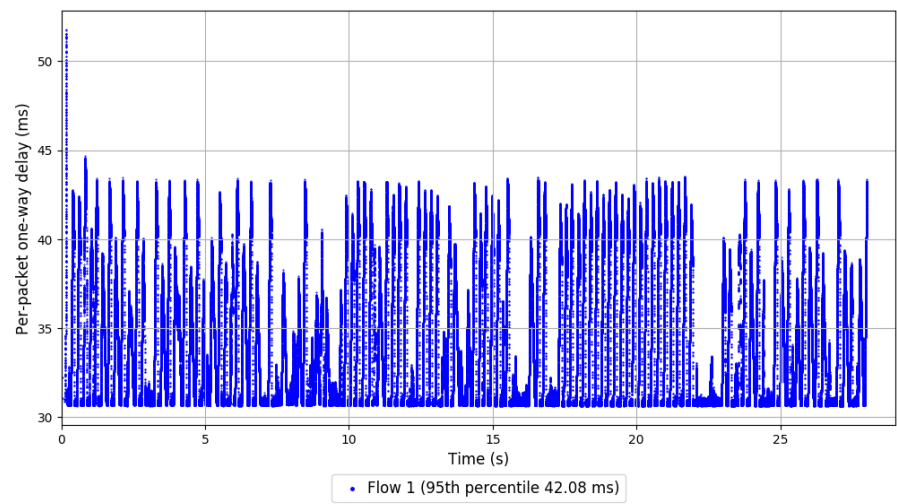
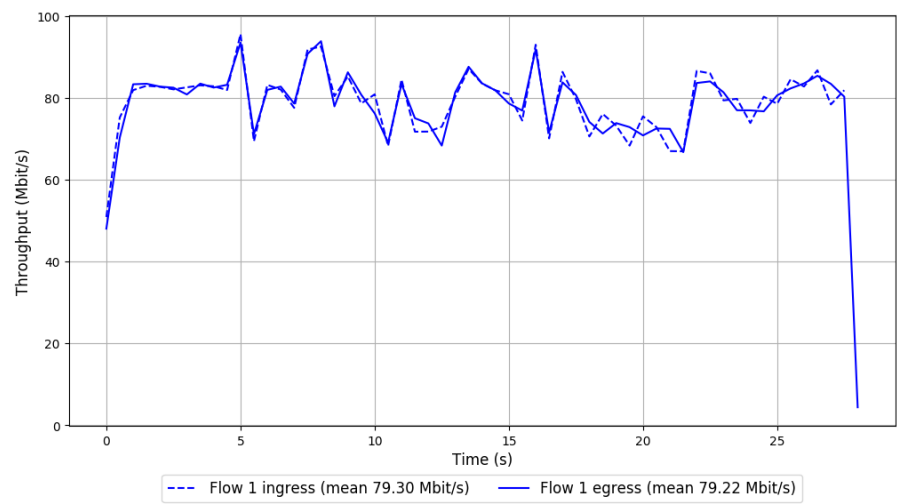
-- Flow 1:

Average throughput: 79.22 Mbit/s

95th percentile per-packet one-way delay: 42.076 ms

Loss rate: 0.07%

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

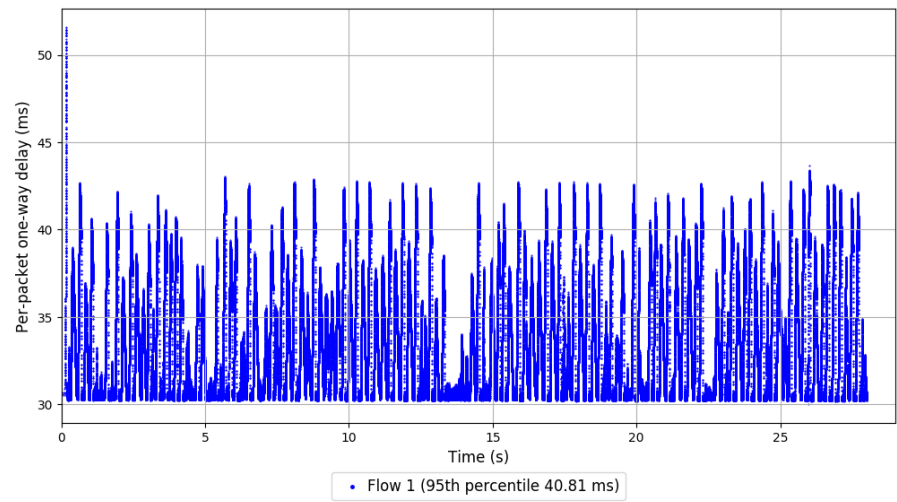
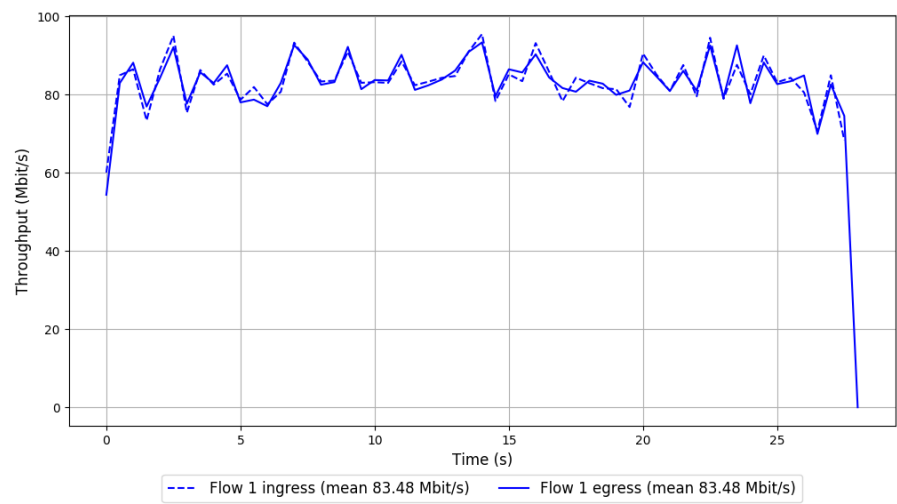


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-16 16:54:11
End at: 2018-01-16 16:54:41
Local clock offset: 0.131 ms
Remote clock offset: -0.701 ms

Below is generated by plot.py at 2018-01-16 19:01:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 40.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 40.810 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-16 17:20:47

End at: 2018-01-16 17:21:17

Local clock offset: 0.082 ms

Remote clock offset: 1.062 ms

Below is generated by plot.py at 2018-01-16 19:01:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.16 Mbit/s

95th percentile per-packet one-way delay: 41.098 ms

Loss rate: 0.04%

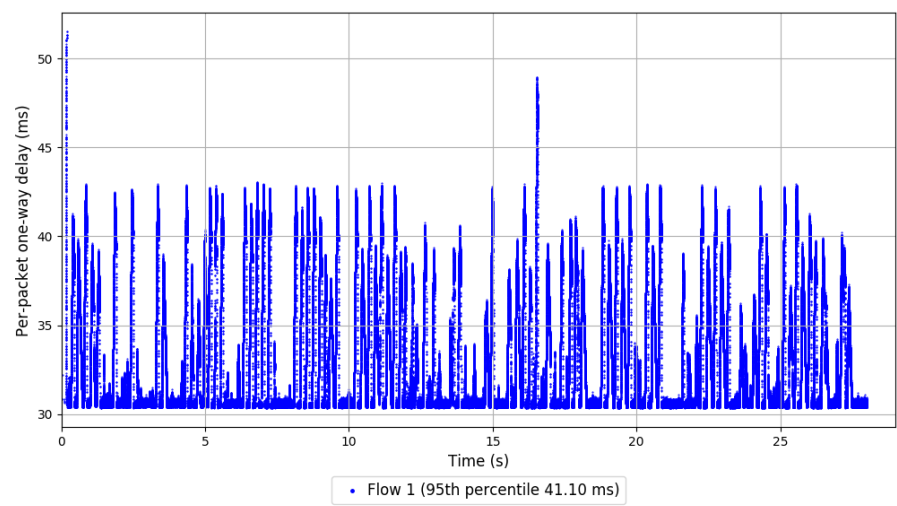
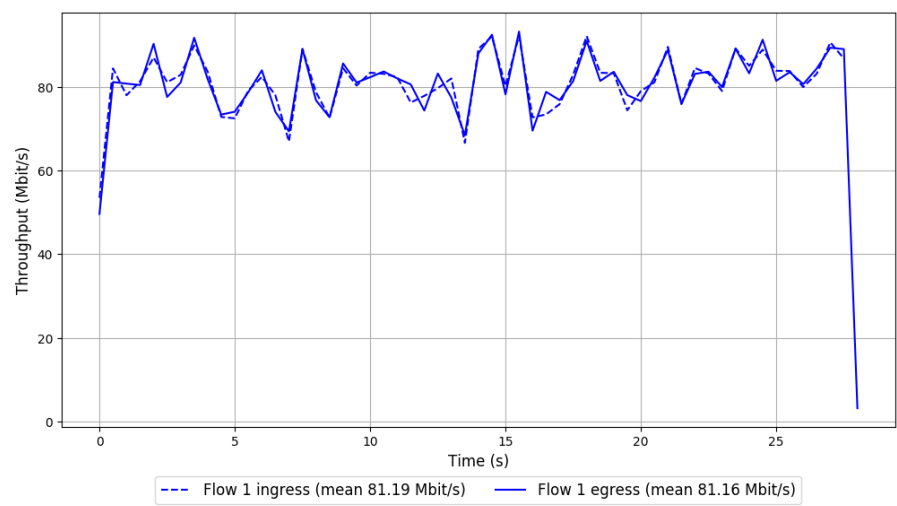
-- Flow 1:

Average throughput: 81.16 Mbit/s

95th percentile per-packet one-way delay: 41.098 ms

Loss rate: 0.04%

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

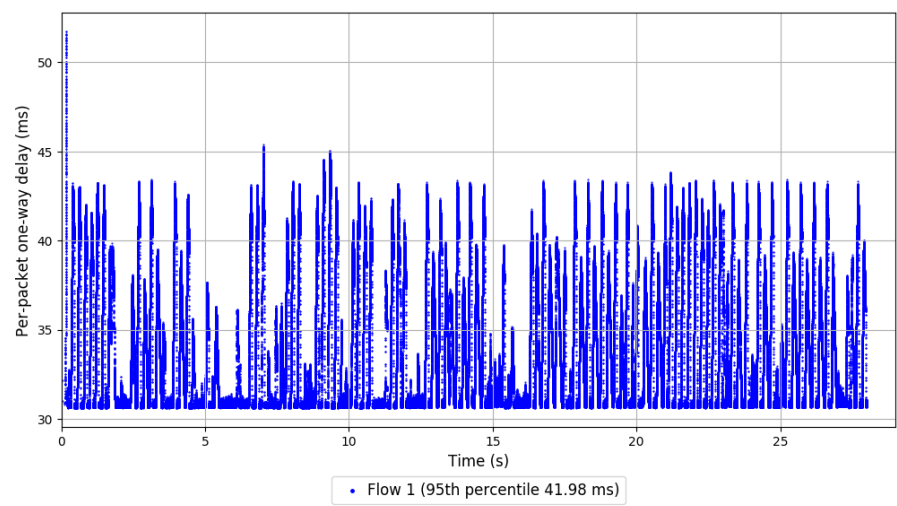
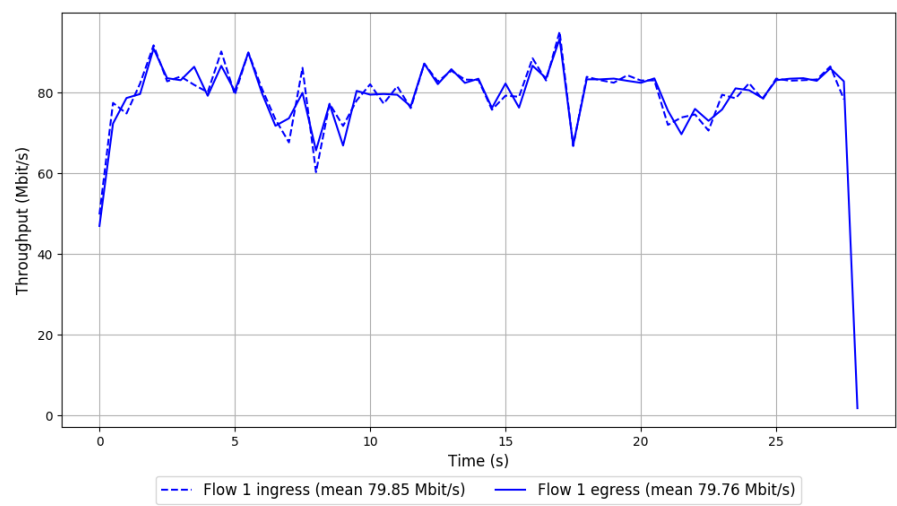


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-16 17:48:18
End at: 2018-01-16 17:48:48
Local clock offset: 0.199 ms
Remote clock offset: -0.916 ms

Below is generated by plot.py at 2018-01-16 19:03:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 41.976 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 41.976 ms
Loss rate: 0.13%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-16 18:14:36

End at: 2018-01-16 18:15:06

Local clock offset: -0.63 ms

Remote clock offset: -2.071 ms

Below is generated by plot.py at 2018-01-16 19:03:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.60 Mbit/s

95th percentile per-packet one-way delay: 41.599 ms

Loss rate: 0.13%

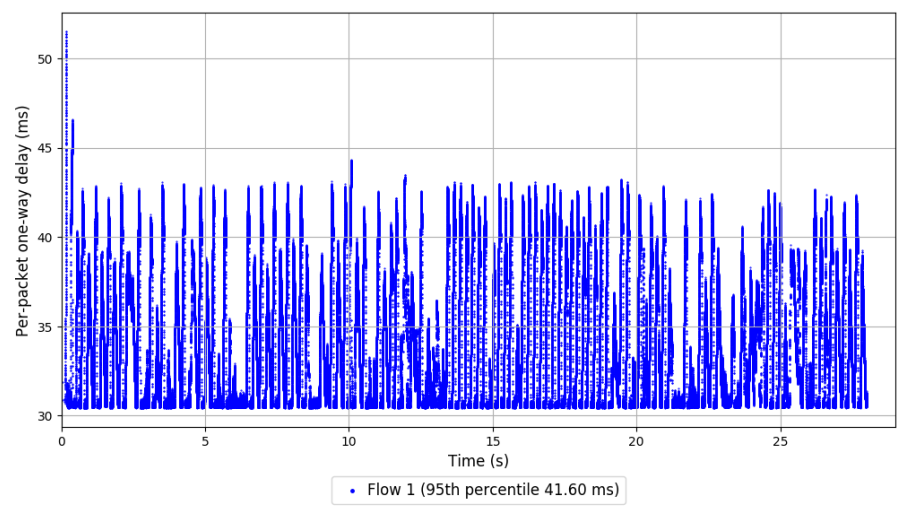
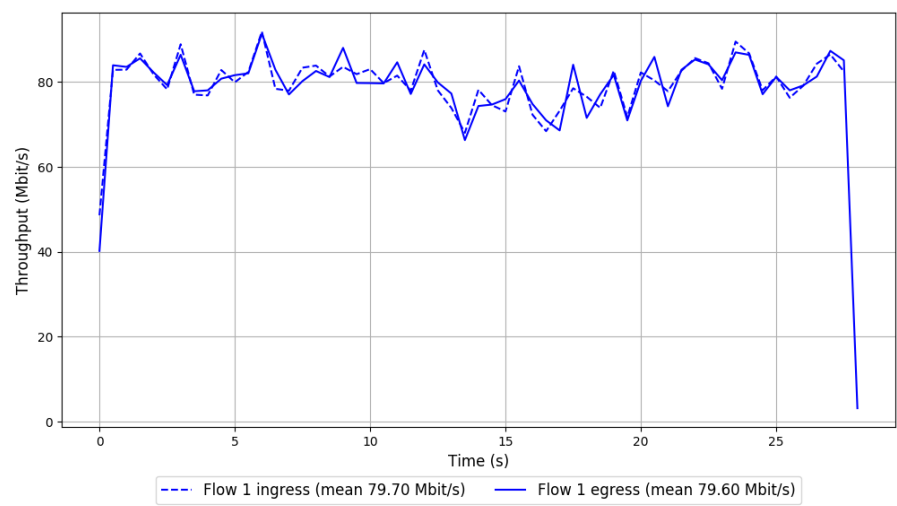
-- Flow 1:

Average throughput: 79.60 Mbit/s

95th percentile per-packet one-way delay: 41.599 ms

Loss rate: 0.13%

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

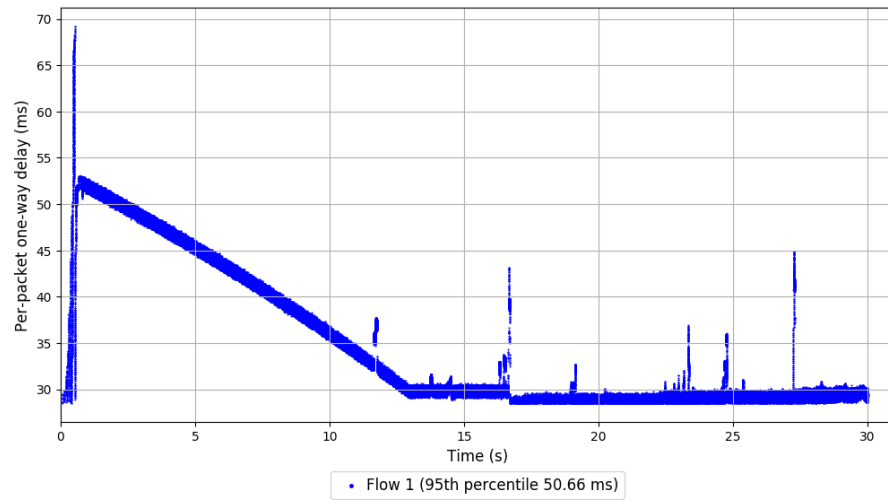
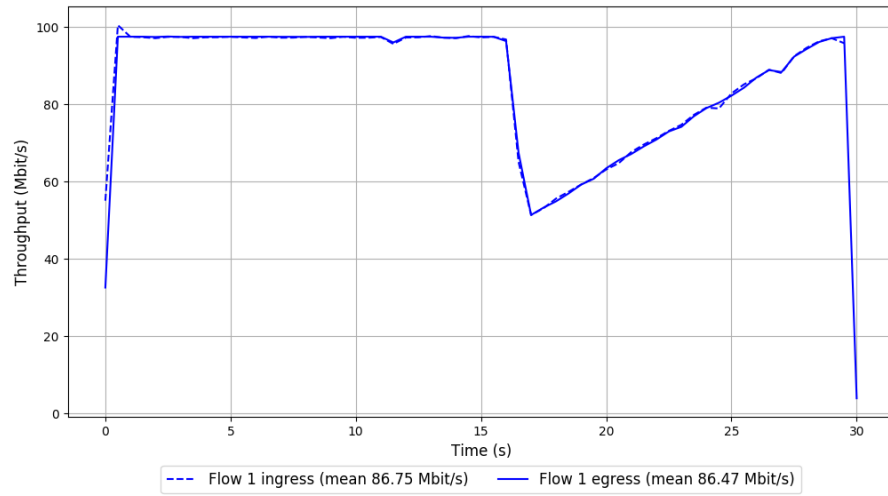


Run 1: Statistics of TCP Vegas

Start at: 2018-01-16 14:10:03
End at: 2018-01-16 14:10:33
Local clock offset: -0.278 ms
Remote clock offset: -5.834 ms

Below is generated by plot.py at 2018-01-16 19:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.47 Mbit/s
95th percentile per-packet one-way delay: 50.656 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 86.47 Mbit/s
95th percentile per-packet one-way delay: 50.656 ms
Loss rate: 0.32%

Run 1: Report of TCP Vegas — Data Link

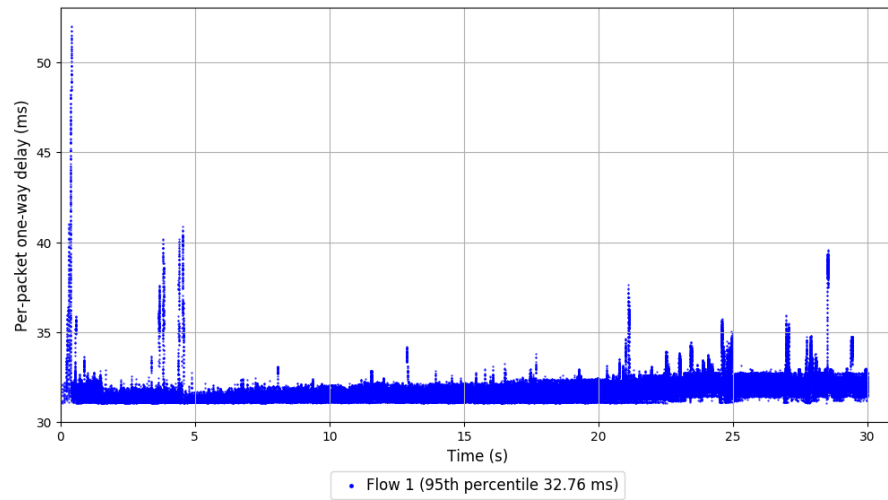
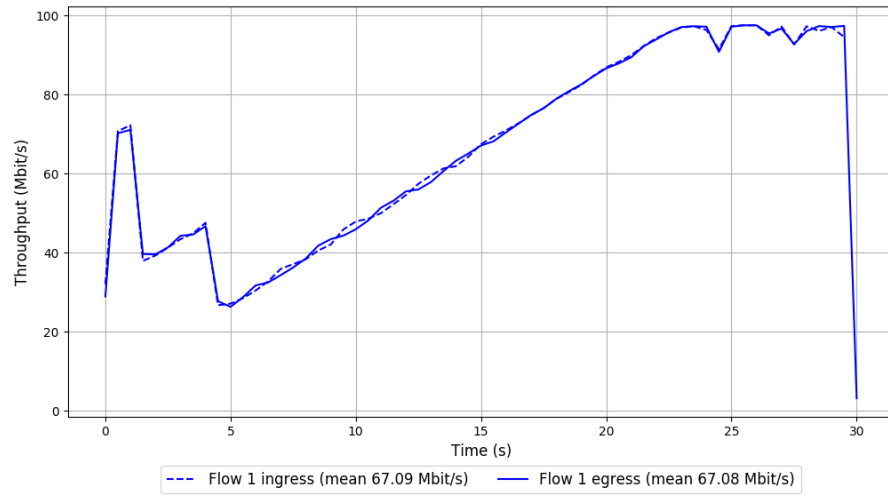


Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 14:34:22
End at: 2018-01-16 14:34:52
Local clock offset: -0.141 ms
Remote clock offset: -3.638 ms

Below is generated by plot.py at 2018-01-16 19:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.08 Mbit/s
95th percentile per-packet one-way delay: 32.762 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.08 Mbit/s
95th percentile per-packet one-way delay: 32.762 ms
Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-16 14:58:52

End at: 2018-01-16 14:59:22

Local clock offset: -0.173 ms

Remote clock offset: -4.28 ms

Below is generated by plot.py at 2018-01-16 19:03:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 52.297 ms

Loss rate: 0.27%

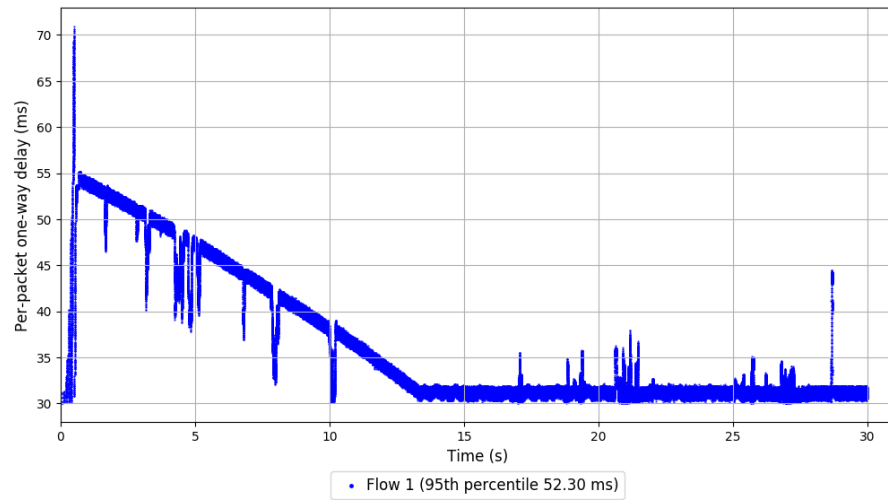
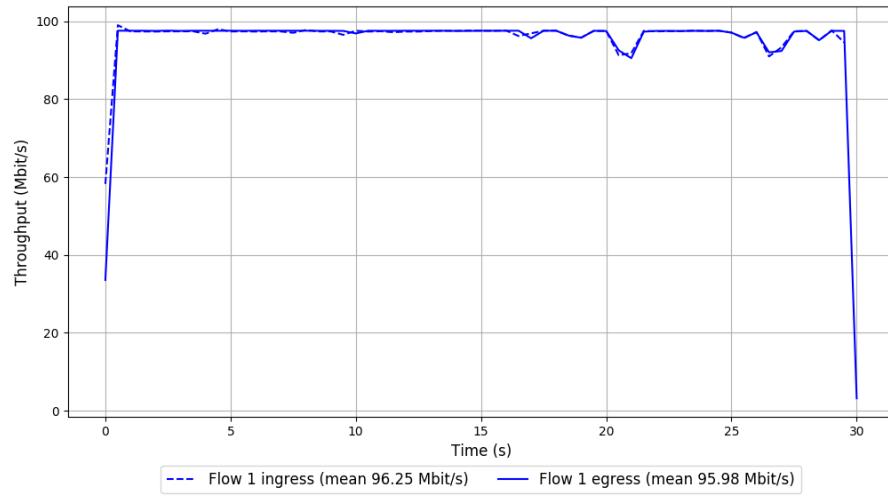
-- Flow 1:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 52.297 ms

Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link

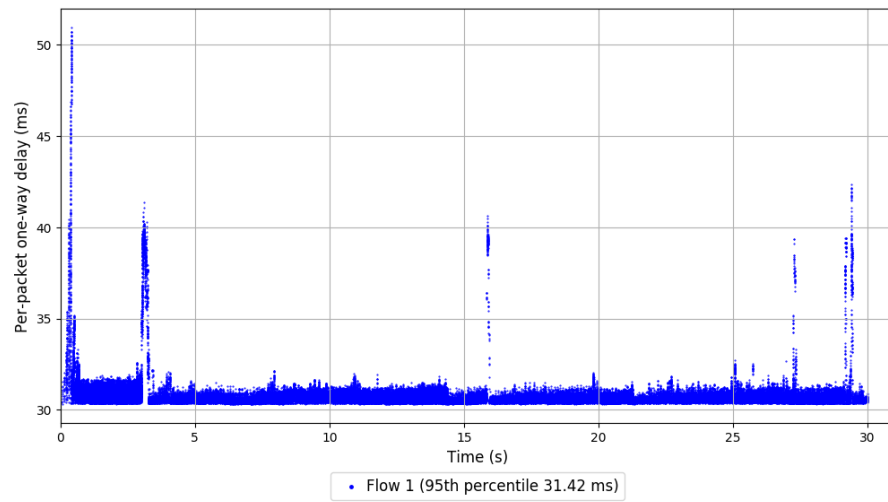
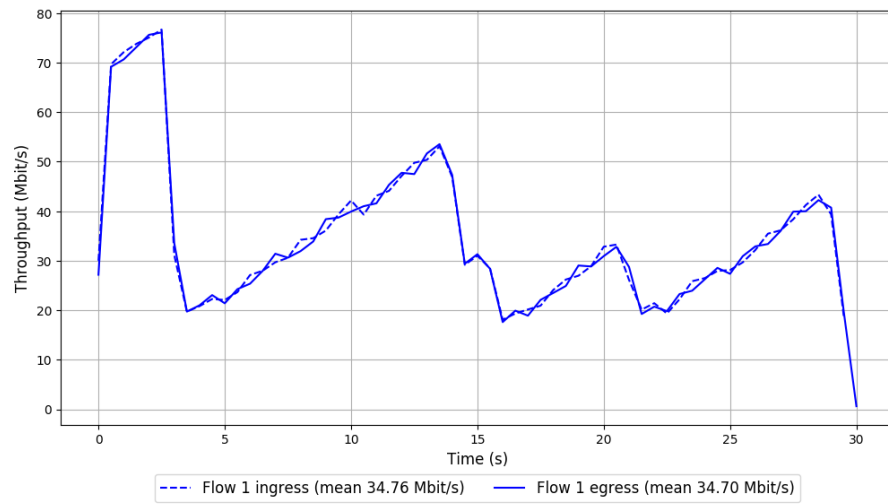


Run 4: Statistics of TCP Vegas

Start at: 2018-01-16 15:24:36
End at: 2018-01-16 15:25:06
Local clock offset: 0.075 ms
Remote clock offset: -4.777 ms

Below is generated by plot.py at 2018-01-16 19:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 31.417 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 31.417 ms
Loss rate: 0.17%

Run 4: Report of TCP Vegas — Data Link

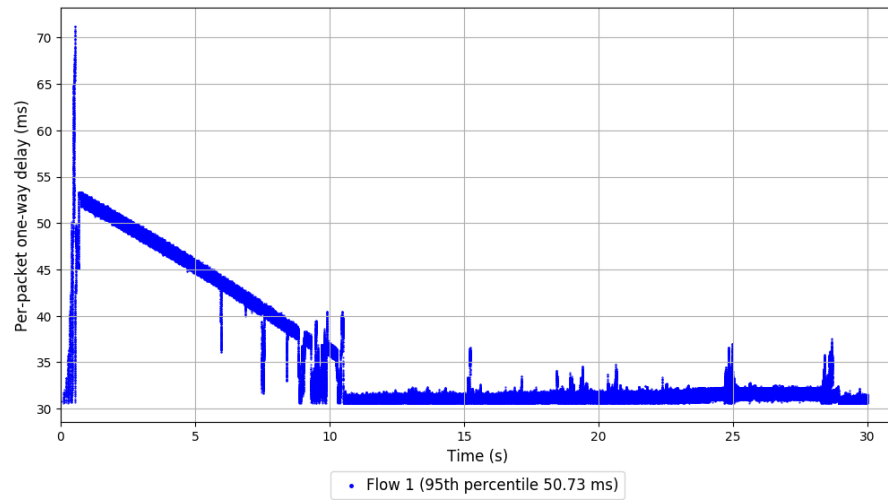
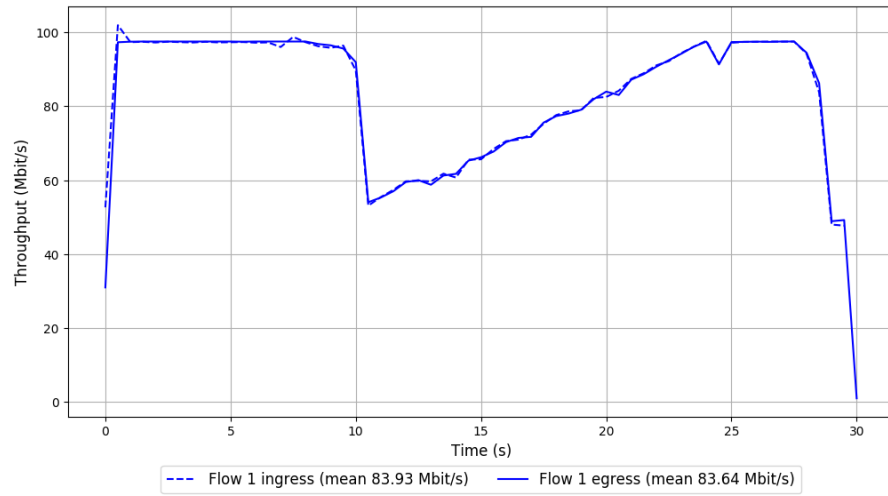


Run 5: Statistics of TCP Vegas

Start at: 2018-01-16 15:50:49
End at: 2018-01-16 15:51:19
Local clock offset: 0.022 ms
Remote clock offset: -5.589 ms

Below is generated by plot.py at 2018-01-16 19:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 50.732 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 50.732 ms
Loss rate: 0.34%

Run 5: Report of TCP Vegas — Data Link

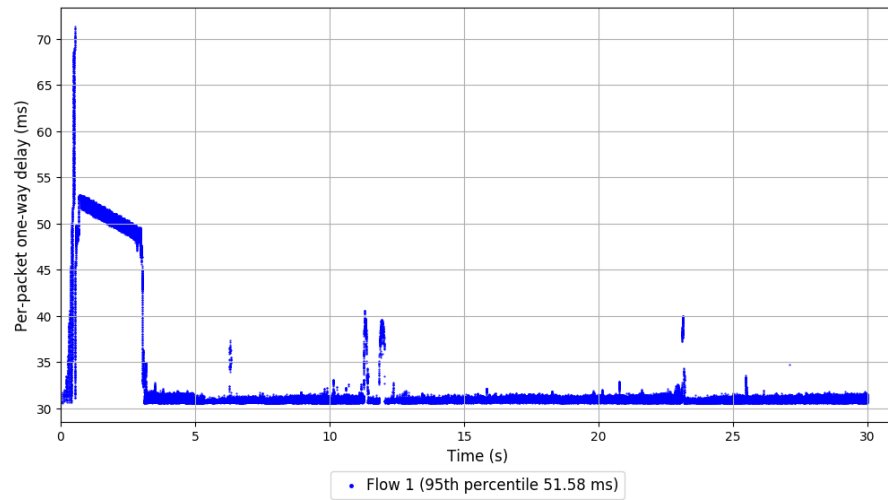
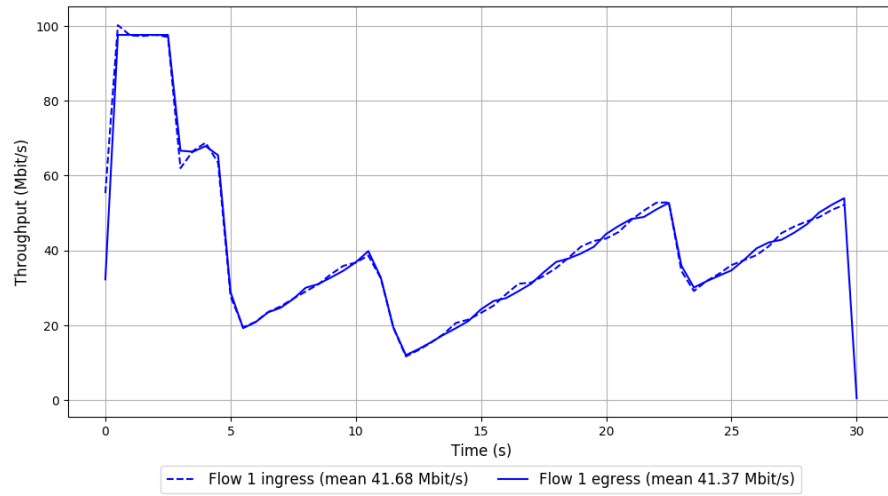


Run 6: Statistics of TCP Vegas

Start at: 2018-01-16 16:16:05
End at: 2018-01-16 16:16:35
Local clock offset: -0.013 ms
Remote clock offset: -4.873 ms

Below is generated by plot.py at 2018-01-16 19:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 51.576 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 51.576 ms
Loss rate: 0.74%

Run 6: Report of TCP Vegas — Data Link

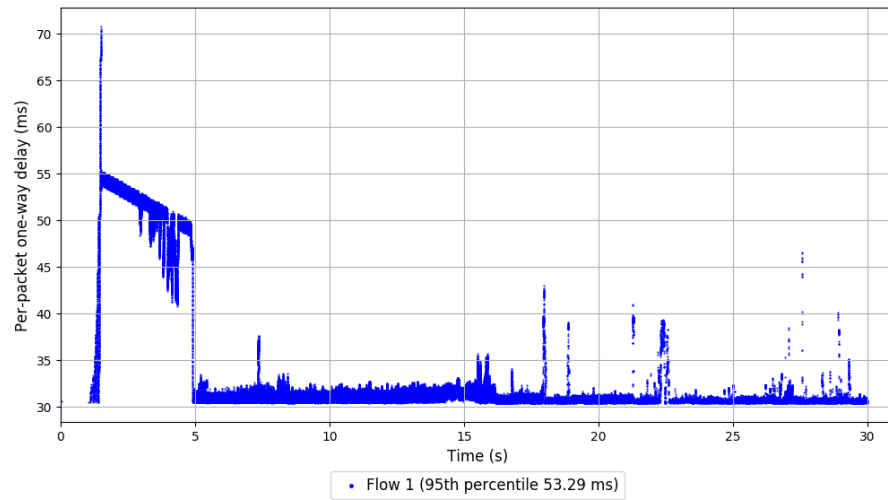
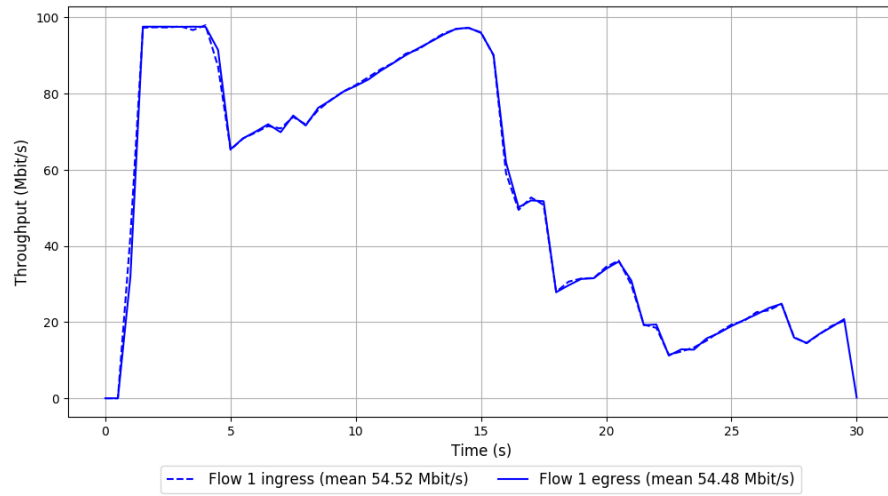


Run 7: Statistics of TCP Vegas

Start at: 2018-01-16 16:41:28
End at: 2018-01-16 16:41:58
Local clock offset: 0.087 ms
Remote clock offset: -2.936 ms

Below is generated by plot.py at 2018-01-16 19:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 53.290 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 53.290 ms
Loss rate: 0.08%

Run 7: Report of TCP Vegas — Data Link

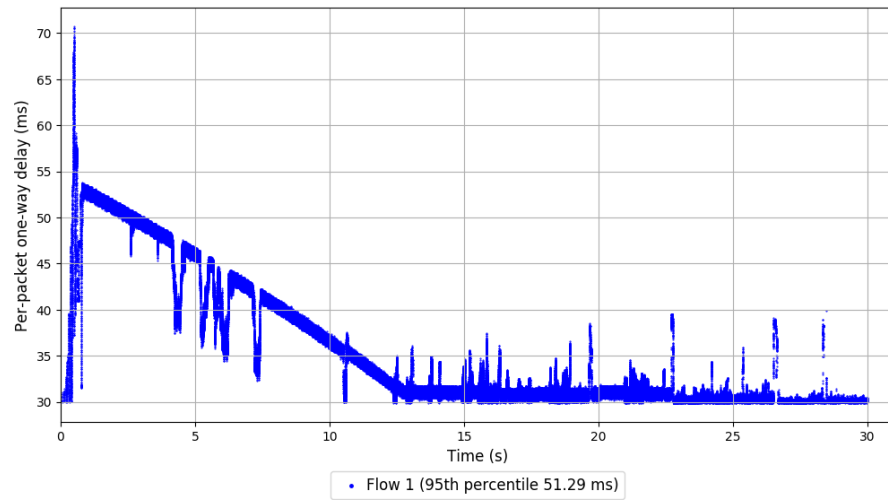
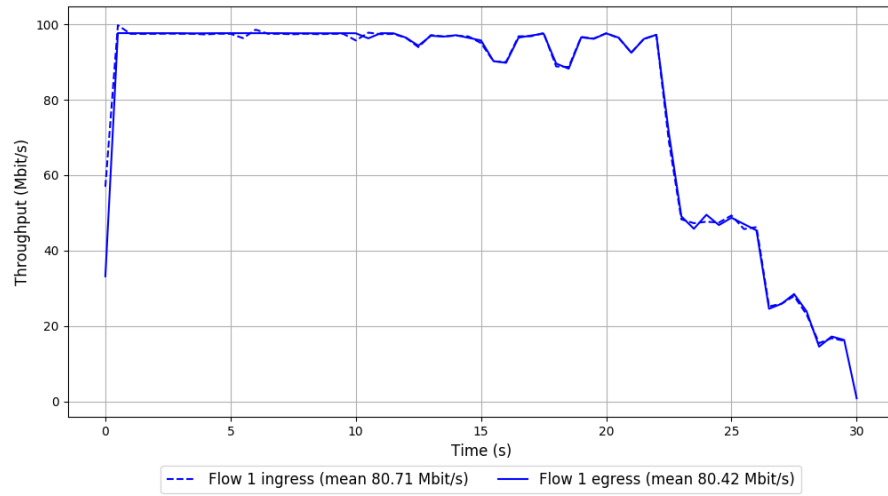


Run 8: Statistics of TCP Vegas

Start at: 2018-01-16 17:07:15
End at: 2018-01-16 17:07:45
Local clock offset: 0.033 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-01-16 19:03:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 51.289 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 51.289 ms
Loss rate: 0.37%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-16 17:34:24

End at: 2018-01-16 17:34:54

Local clock offset: 0.086 ms

Remote clock offset: 0.648 ms

Below is generated by plot.py at 2018-01-16 19:03:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.87 Mbit/s

95th percentile per-packet one-way delay: 52.178 ms

Loss rate: 0.11%

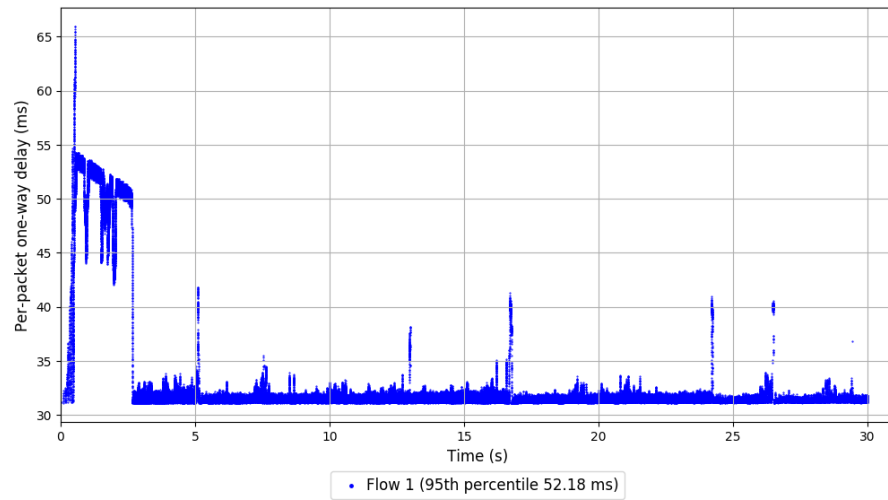
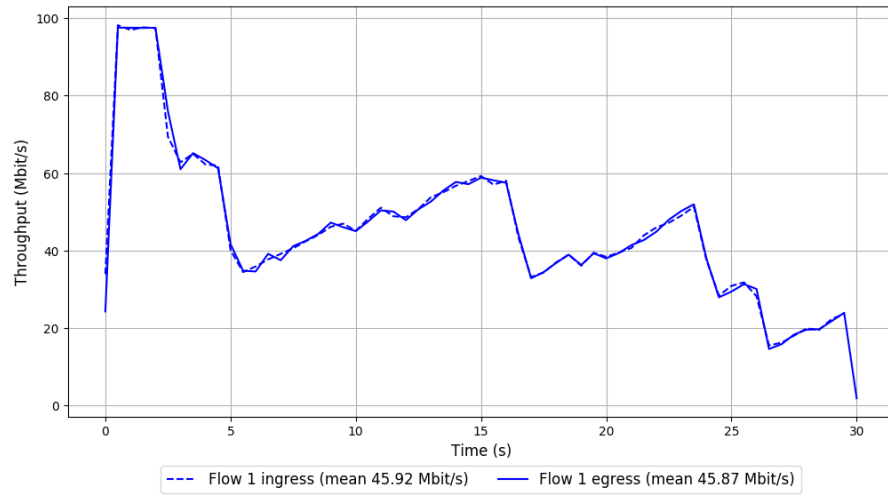
-- Flow 1:

Average throughput: 45.87 Mbit/s

95th percentile per-packet one-way delay: 52.178 ms

Loss rate: 0.11%

Run 9: Report of TCP Vegas — Data Link

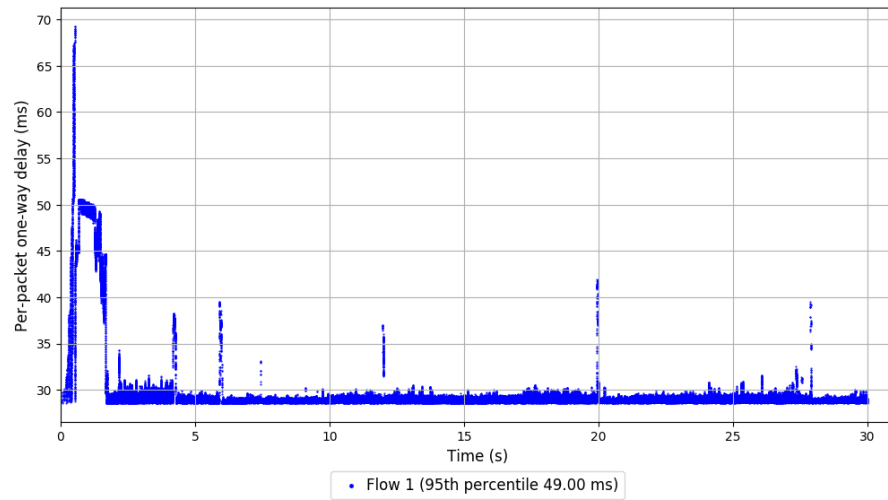
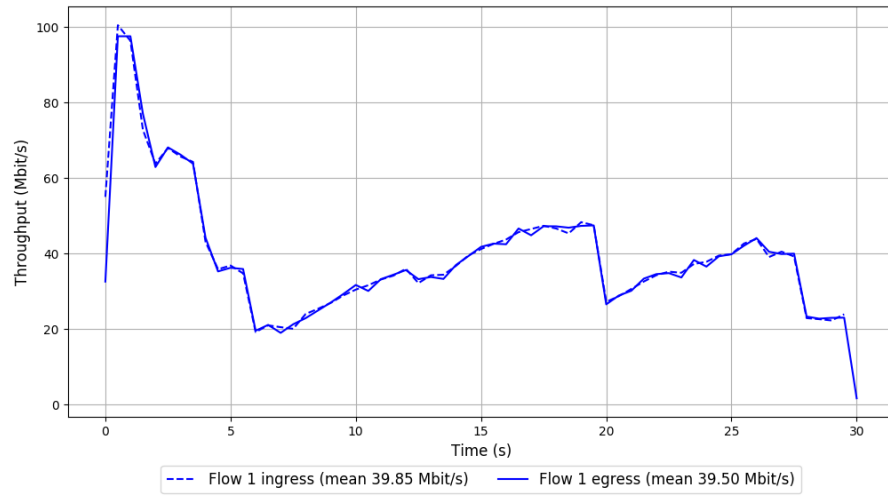


Run 10: Statistics of TCP Vegas

Start at: 2018-01-16 18:01:45
End at: 2018-01-16 18:02:15
Local clock offset: -0.109 ms
Remote clock offset: -3.739 ms

Below is generated by plot.py at 2018-01-16 19:03:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 48.996 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 48.996 ms
Loss rate: 0.86%

Run 10: Report of TCP Vegas — Data Link

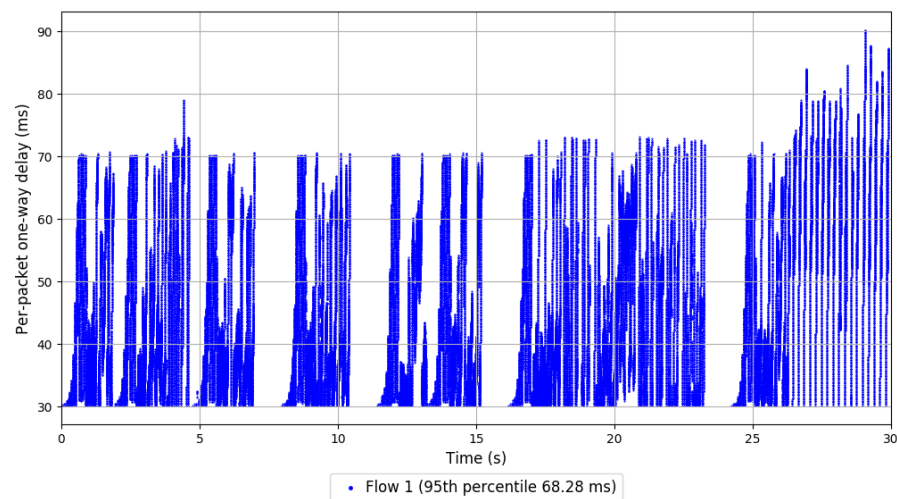
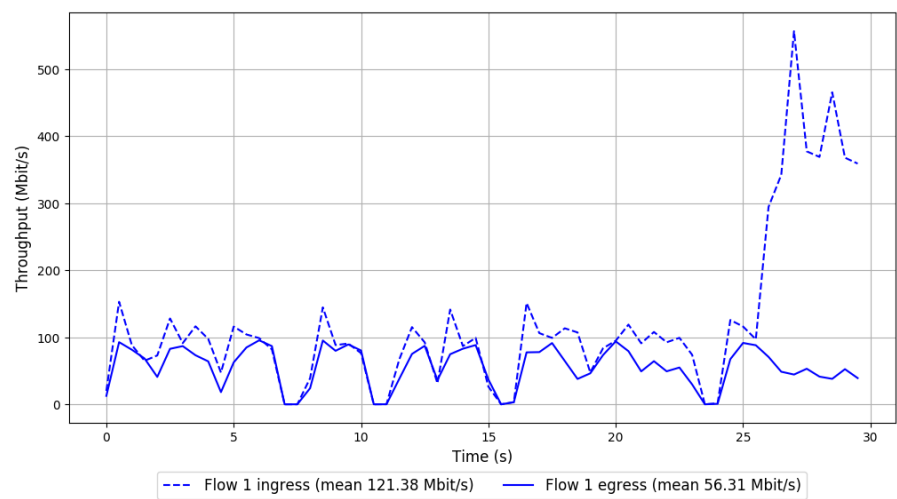


Run 1: Statistics of Verus

Start at: 2018-01-16 14:11:24
End at: 2018-01-16 14:11:54
Local clock offset: -0.175 ms
Remote clock offset: -3.354 ms

Below is generated by plot.py at 2018-01-16 19:03:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 68.283 ms
Loss rate: 53.52%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 68.283 ms
Loss rate: 53.52%

Run 1: Report of Verus — Data Link

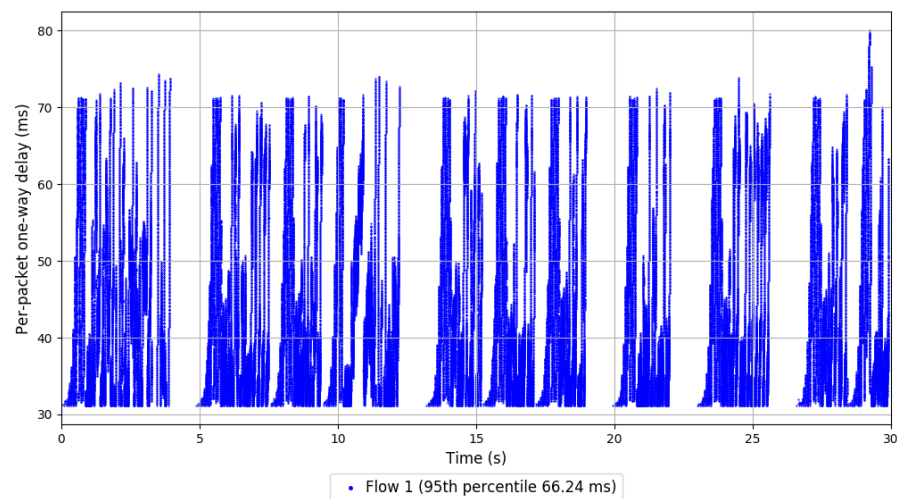
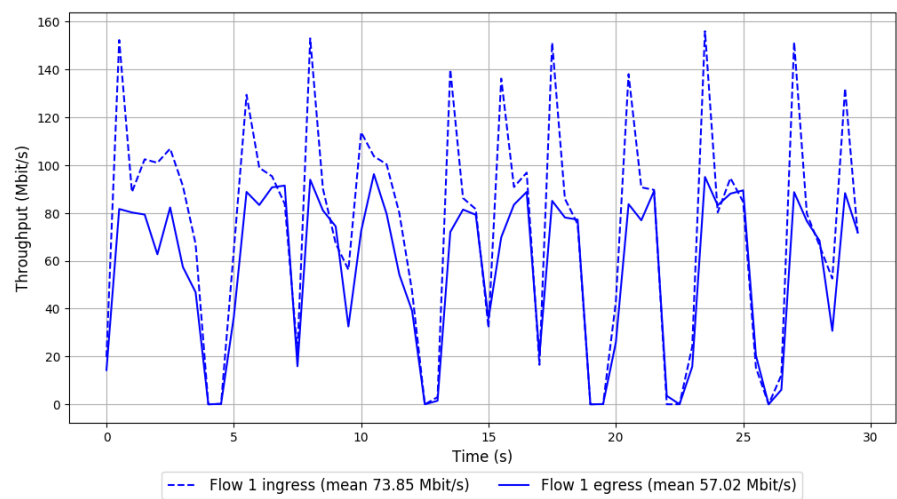


Run 2: Statistics of Verus

Start at: 2018-01-16 14:35:42
End at: 2018-01-16 14:36:12
Local clock offset: -0.121 ms
Remote clock offset: -3.606 ms

Below is generated by plot.py at 2018-01-16 19:03:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 66.241 ms
Loss rate: 22.70%
-- Flow 1:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 66.241 ms
Loss rate: 22.70%

Run 2: Report of Verus — Data Link

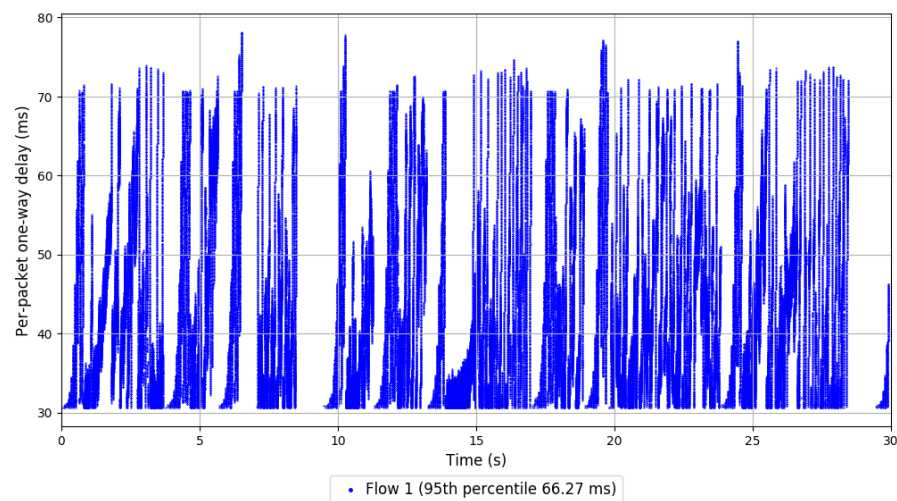
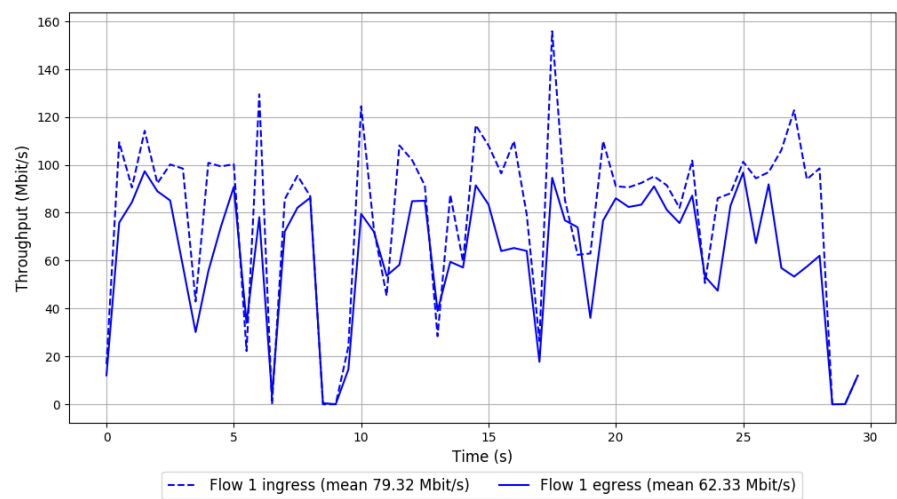


Run 3: Statistics of Verus

Start at: 2018-01-16 15:00:15
End at: 2018-01-16 15:00:45
Local clock offset: -0.074 ms
Remote clock offset: -4.312 ms

Below is generated by plot.py at 2018-01-16 19:03:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.33 Mbit/s
95th percentile per-packet one-way delay: 66.269 ms
Loss rate: 21.37%
-- Flow 1:
Average throughput: 62.33 Mbit/s
95th percentile per-packet one-way delay: 66.269 ms
Loss rate: 21.37%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-16 15:25:55

End at: 2018-01-16 15:26:25

Local clock offset: 0.063 ms

Remote clock offset: -4.71 ms

Below is generated by plot.py at 2018-01-16 19:03:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.18 Mbit/s

95th percentile per-packet one-way delay: 68.068 ms

Loss rate: 32.50%

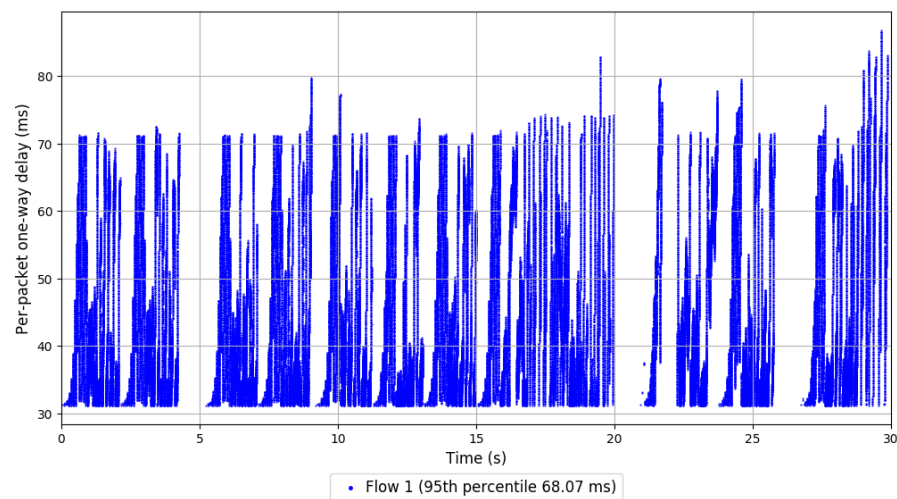
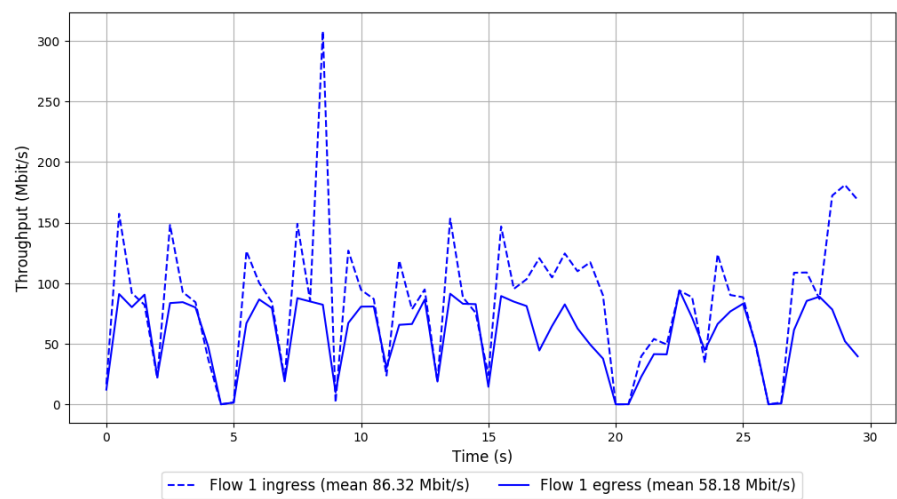
-- Flow 1:

Average throughput: 58.18 Mbit/s

95th percentile per-packet one-way delay: 68.068 ms

Loss rate: 32.50%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-16 15:52:16

End at: 2018-01-16 15:52:46

Local clock offset: 0.054 ms

Remote clock offset: -5.18 ms

Below is generated by plot.py at 2018-01-16 19:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.12 Mbit/s

95th percentile per-packet one-way delay: 68.091 ms

Loss rate: 59.35%

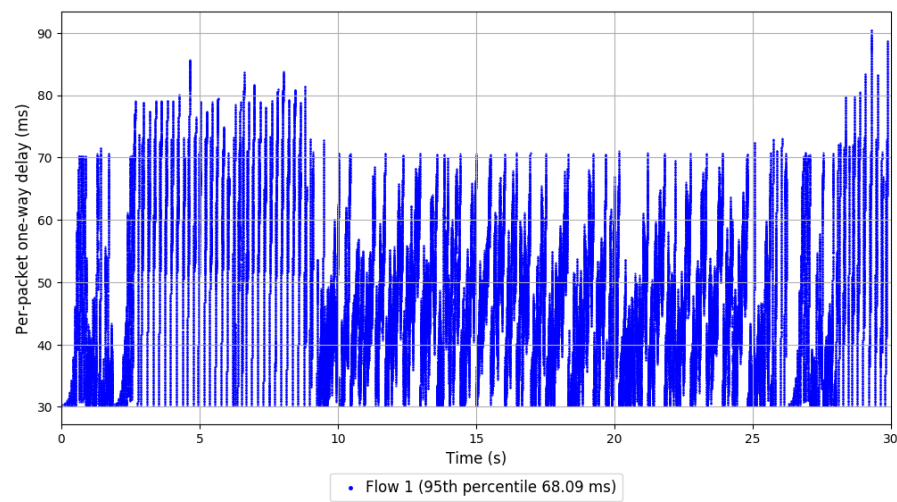
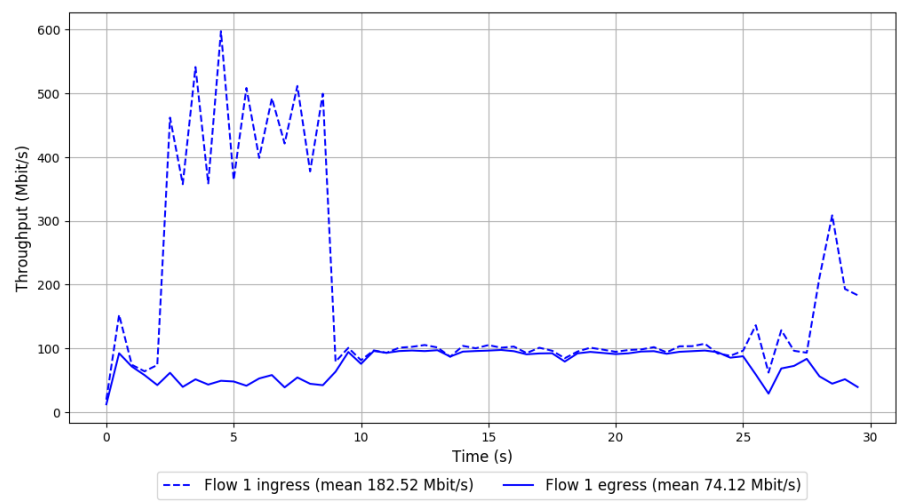
-- Flow 1:

Average throughput: 74.12 Mbit/s

95th percentile per-packet one-way delay: 68.091 ms

Loss rate: 59.35%

Run 5: Report of Verus — Data Link

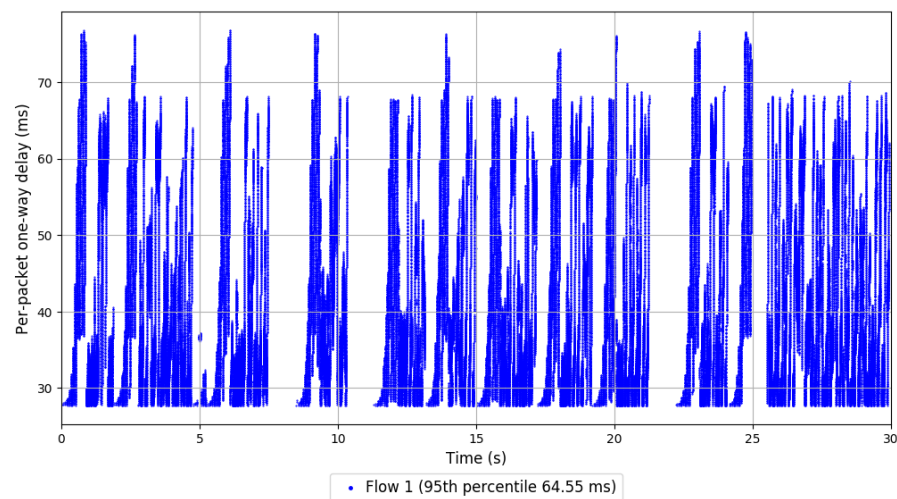
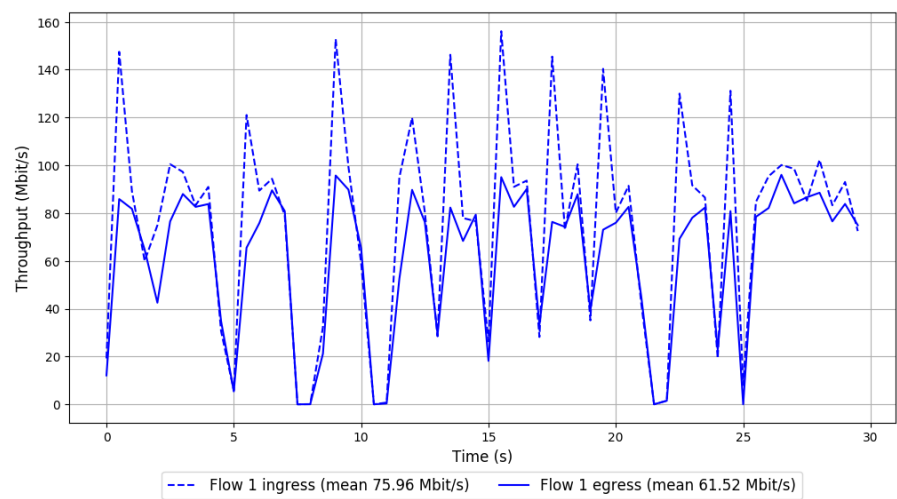


Run 6: Statistics of Verus

Start at: 2018-01-16 16:17:24
End at: 2018-01-16 16:17:54
Local clock offset: -0.004 ms
Remote clock offset: -6.949 ms

Below is generated by plot.py at 2018-01-16 19:04:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.52 Mbit/s
95th percentile per-packet one-way delay: 64.551 ms
Loss rate: 18.92%
-- Flow 1:
Average throughput: 61.52 Mbit/s
95th percentile per-packet one-way delay: 64.551 ms
Loss rate: 18.92%

Run 6: Report of Verus — Data Link

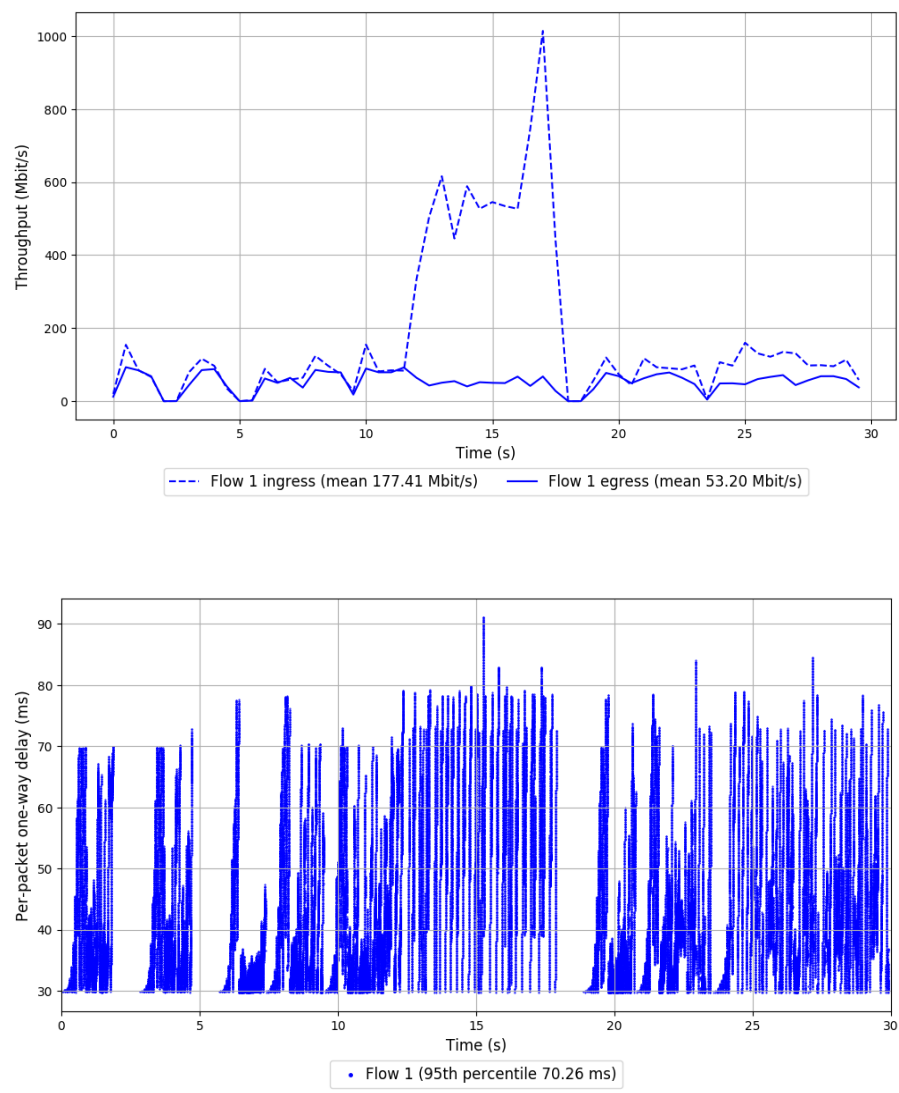


Run 7: Statistics of Verus

Start at: 2018-01-16 16:42:50
End at: 2018-01-16 16:43:20
Local clock offset: -0.021 ms
Remote clock offset: -2.8 ms

Below is generated by plot.py at 2018-01-16 19:04:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 70.258 ms
Loss rate: 70.01%
-- Flow 1:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 70.258 ms
Loss rate: 70.01%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-16 17:08:42

End at: 2018-01-16 17:09:12

Local clock offset: 0.129 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2018-01-16 19:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.76 Mbit/s

95th percentile per-packet one-way delay: 67.679 ms

Loss rate: 37.09%

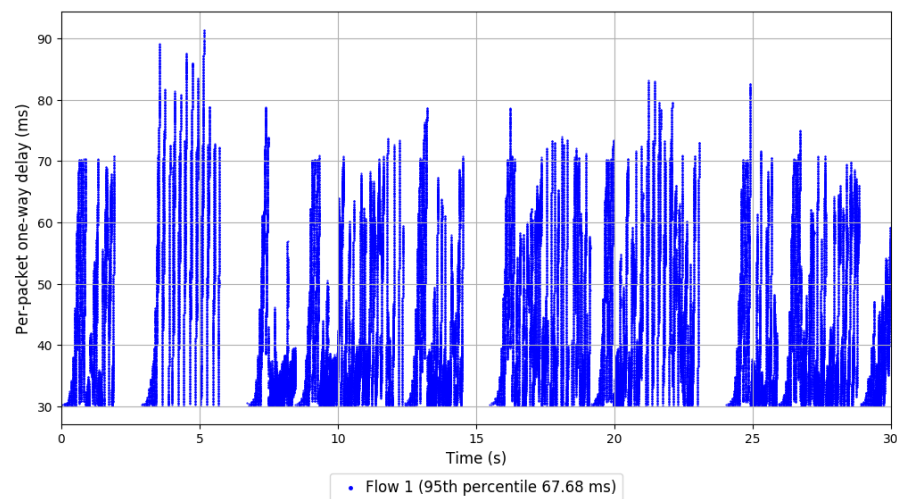
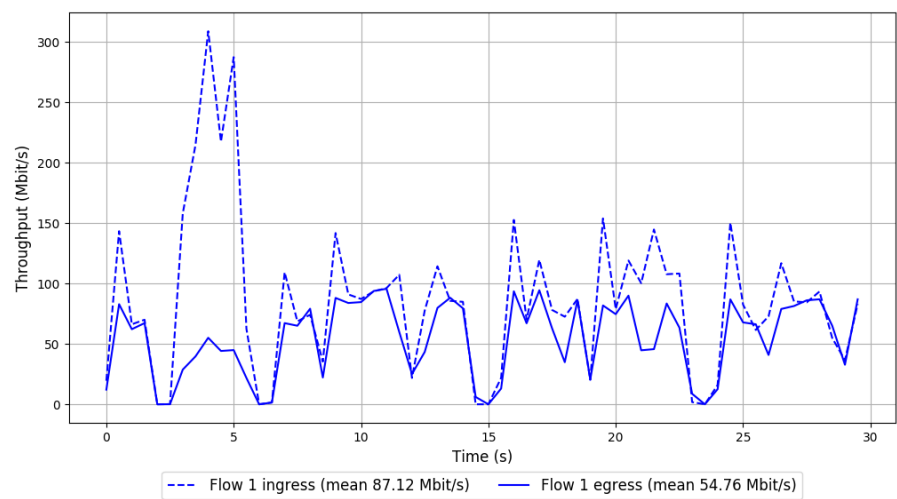
-- Flow 1:

Average throughput: 54.76 Mbit/s

95th percentile per-packet one-way delay: 67.679 ms

Loss rate: 37.09%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-16 17:35:49

End at: 2018-01-16 17:36:19

Local clock offset: 0.173 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-01-16 19:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.06 Mbit/s

95th percentile per-packet one-way delay: 66.847 ms

Loss rate: 27.48%

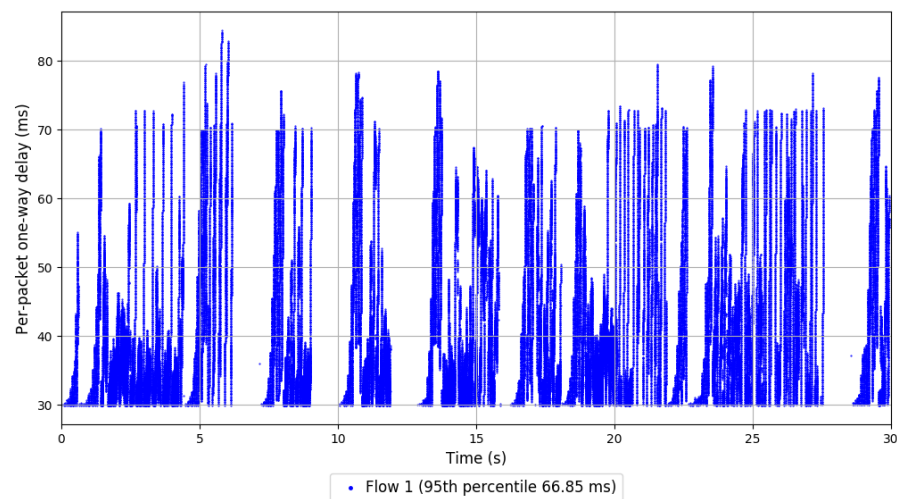
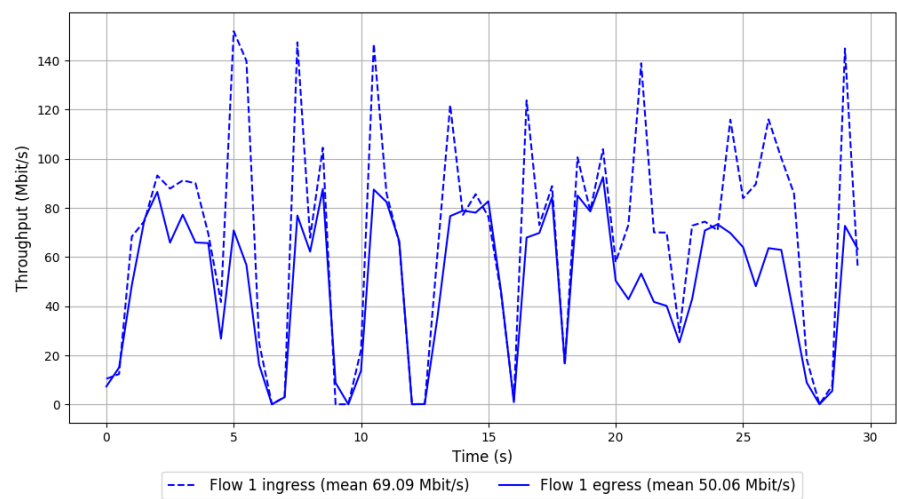
-- Flow 1:

Average throughput: 50.06 Mbit/s

95th percentile per-packet one-way delay: 66.847 ms

Loss rate: 27.48%

Run 9: Report of Verus — Data Link

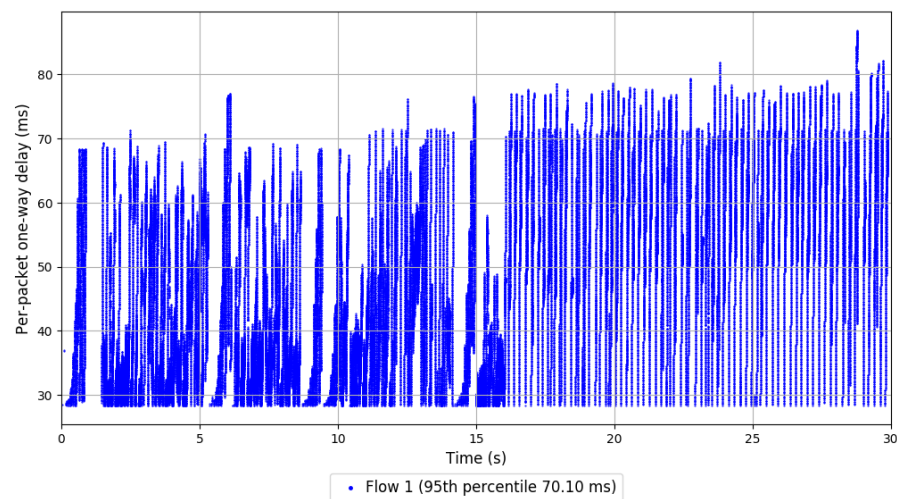
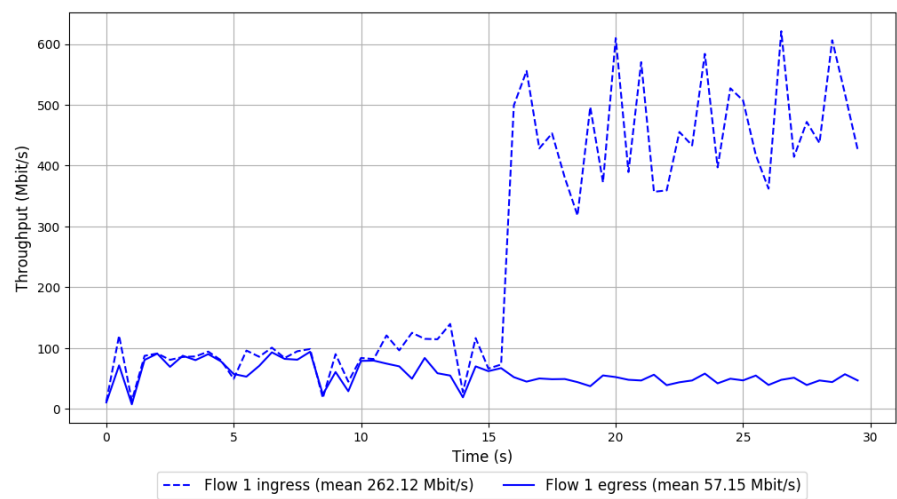


Run 10: Statistics of Verus

Start at: 2018-01-16 18:03:06
End at: 2018-01-16 18:03:36
Local clock offset: -0.071 ms
Remote clock offset: -3.947 ms

Below is generated by plot.py at 2018-01-16 19:05:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 70.102 ms
Loss rate: 78.18%
-- Flow 1:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 70.102 ms
Loss rate: 78.18%

Run 10: Report of Verus — Data Link

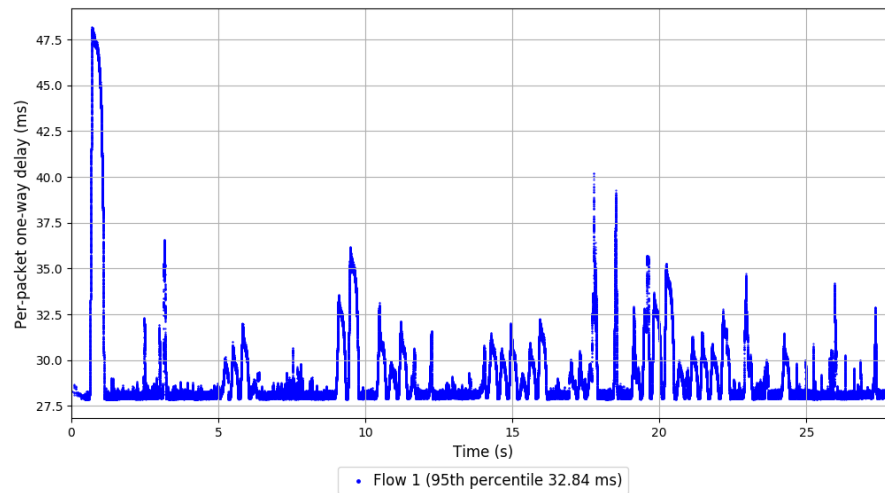
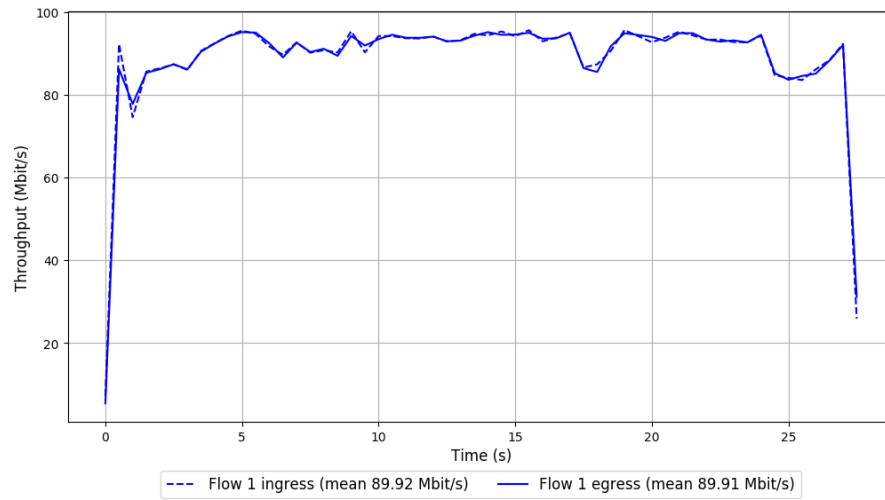


Run 1: Statistics of Copa

Start at: 2018-01-16 14:24:55
End at: 2018-01-16 14:25:25
Local clock offset: -0.191 ms
Remote clock offset: -5.955 ms

Below is generated by plot.py at 2018-01-16 19:05:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 32.840 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 32.840 ms
Loss rate: 0.02%

Run 1: Report of Copa — Data Link

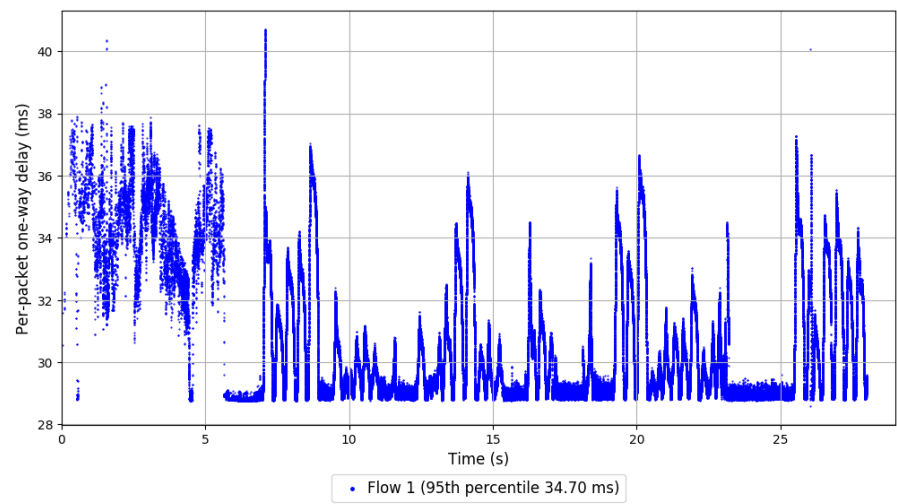
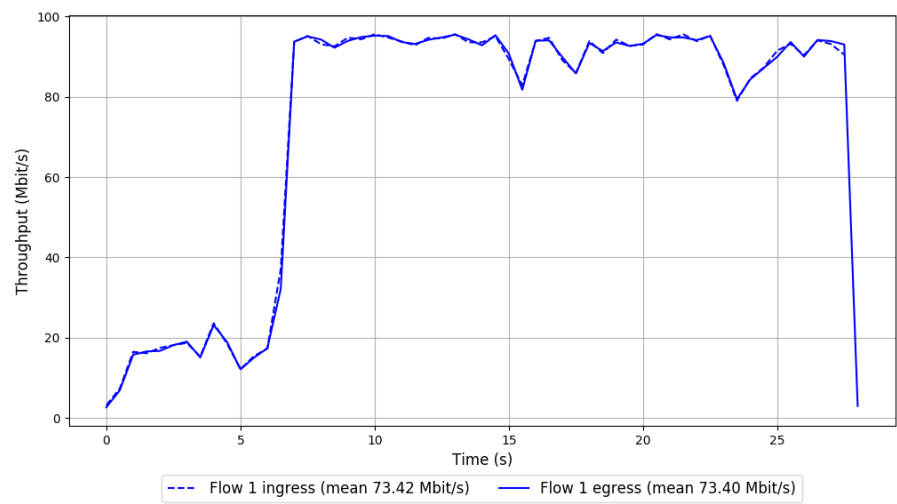


Run 2: Statistics of Copa

Start at: 2018-01-16 14:49:13
End at: 2018-01-16 14:49:43
Local clock offset: -0.173 ms
Remote clock offset: -6.213 ms

Below is generated by plot.py at 2018-01-16 19:05:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 34.700 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 34.700 ms
Loss rate: 0.04%

Run 2: Report of Copa — Data Link

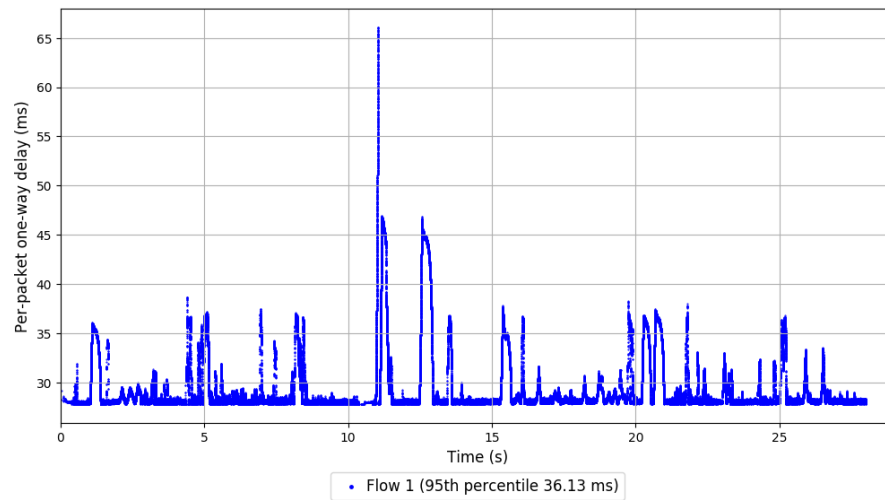
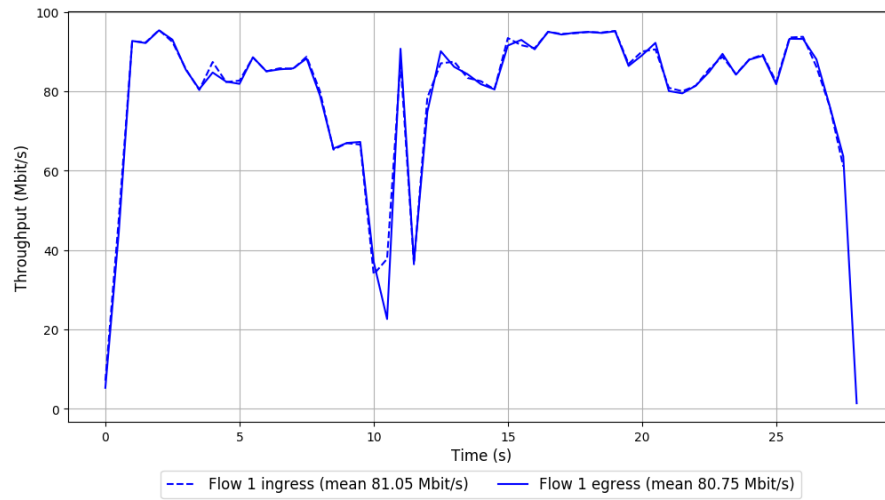


Run 3: Statistics of Copa

Start at: 2018-01-16 15:14:26
End at: 2018-01-16 15:14:56
Local clock offset: -0.08 ms
Remote clock offset: -7.011 ms

Below is generated by plot.py at 2018-01-16 19:05:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.75 Mbit/s
95th percentile per-packet one-way delay: 36.133 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 80.75 Mbit/s
95th percentile per-packet one-way delay: 36.133 ms
Loss rate: 0.37%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-16 15:40:31

End at: 2018-01-16 15:41:01

Local clock offset: -0.033 ms

Remote clock offset: -5.88 ms

Below is generated by plot.py at 2018-01-16 19:05:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.25 Mbit/s

95th percentile per-packet one-way delay: 37.567 ms

Loss rate: 0.22%

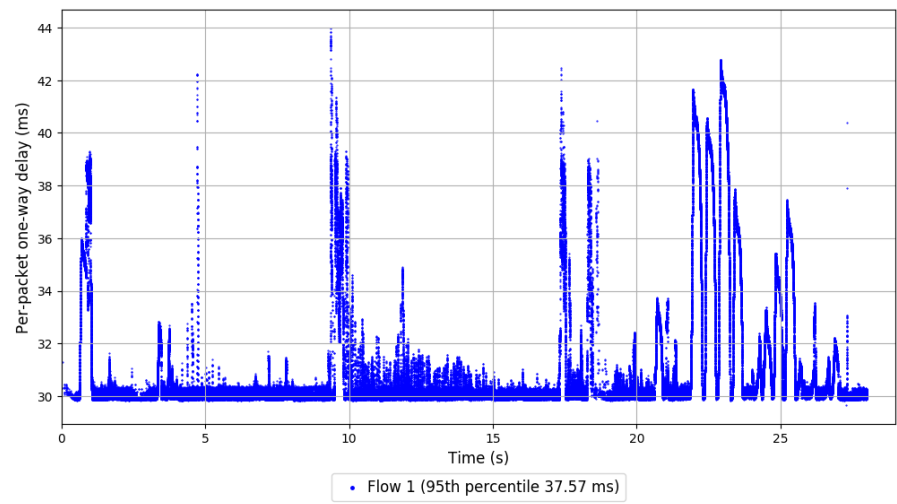
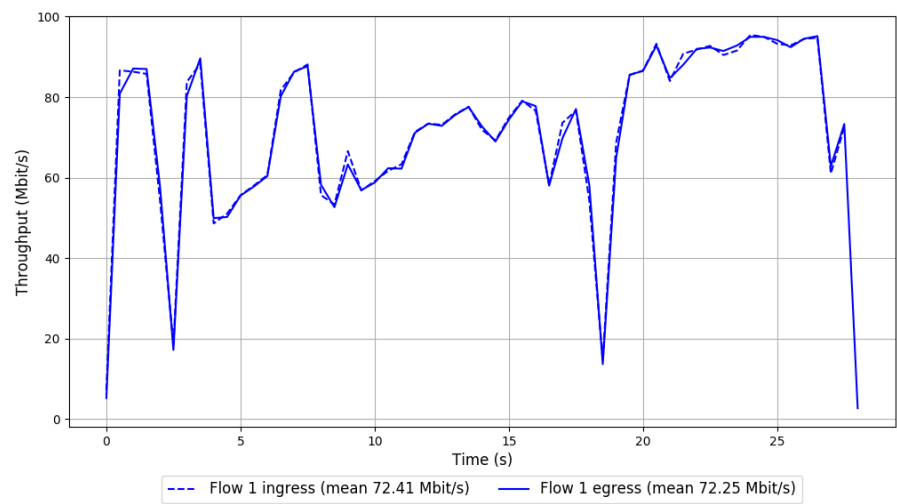
-- Flow 1:

Average throughput: 72.25 Mbit/s

95th percentile per-packet one-way delay: 37.567 ms

Loss rate: 0.22%

Run 4: Report of Copa — Data Link

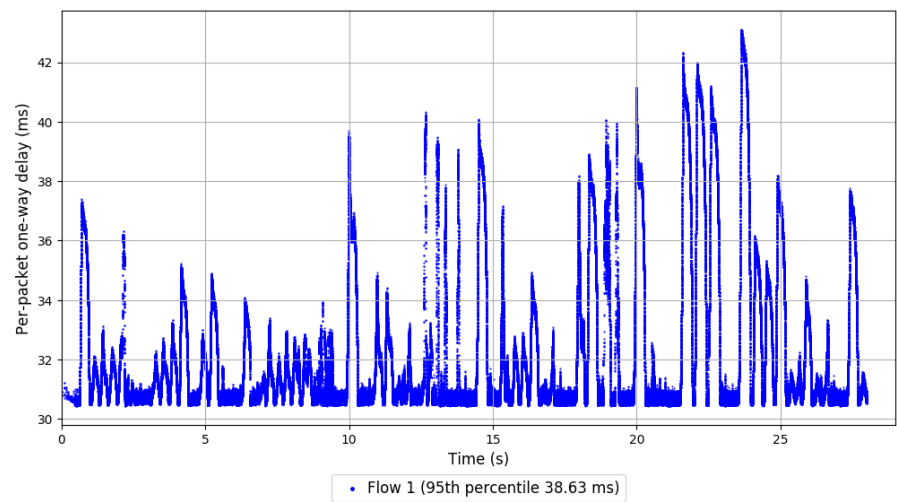
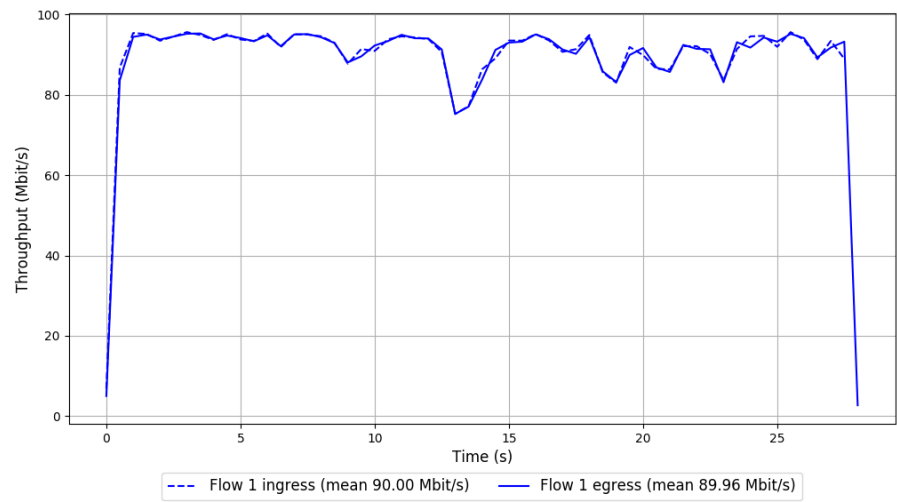


Run 5: Statistics of Copa

Start at: 2018-01-16 16:06:34
End at: 2018-01-16 16:07:04
Local clock offset: 0.066 ms
Remote clock offset: -5.284 ms

Below is generated by plot.py at 2018-01-16 19:06:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 38.626 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 38.626 ms
Loss rate: 0.05%

Run 5: Report of Copa — Data Link

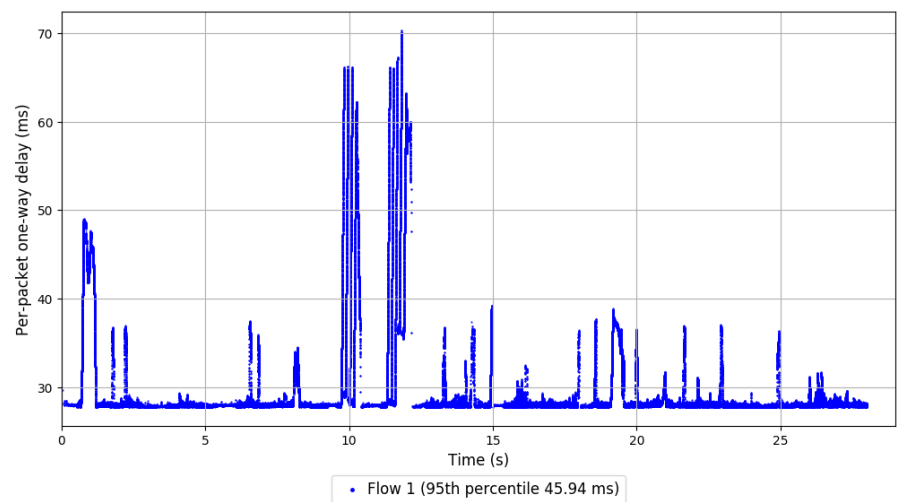
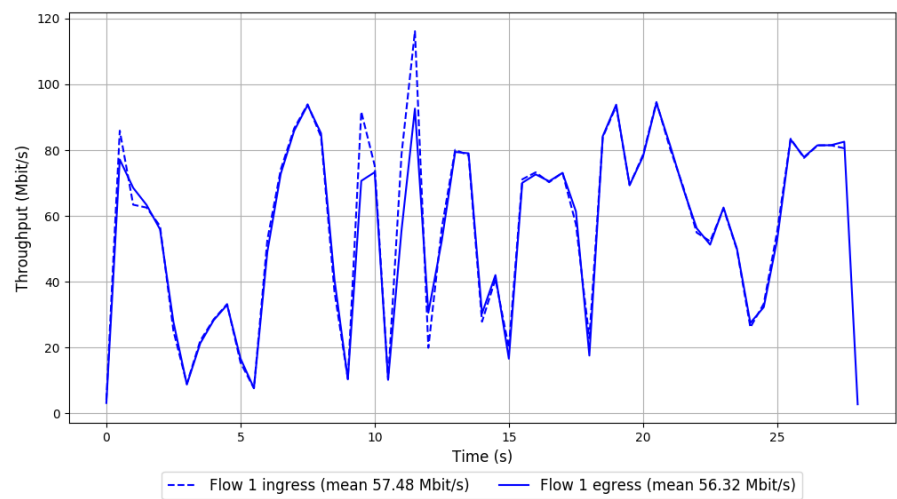


Run 6: Statistics of Copa

Start at: 2018-01-16 16:31:43
End at: 2018-01-16 16:32:14
Local clock offset: 0.011 ms
Remote clock offset: -6.091 ms

Below is generated by plot.py at 2018-01-16 19:06:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.32 Mbit/s
95th percentile per-packet one-way delay: 45.944 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 56.32 Mbit/s
95th percentile per-packet one-way delay: 45.944 ms
Loss rate: 2.03%

Run 6: Report of Copa — Data Link

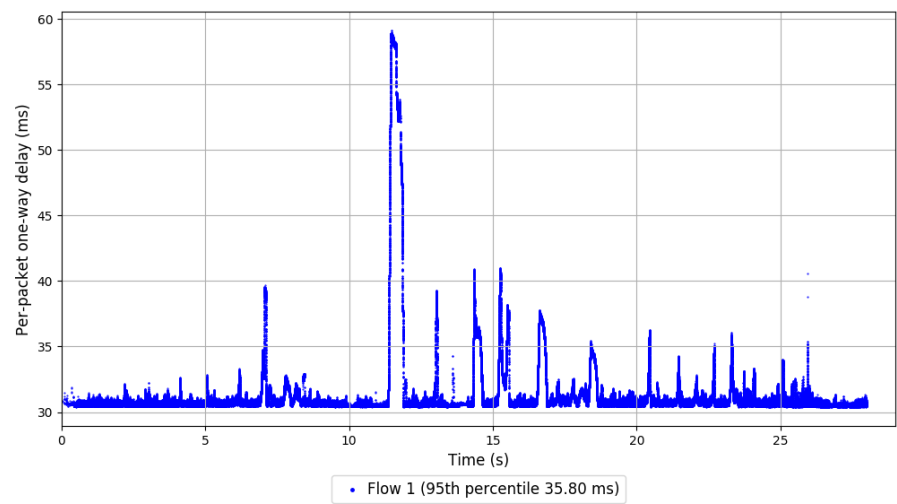
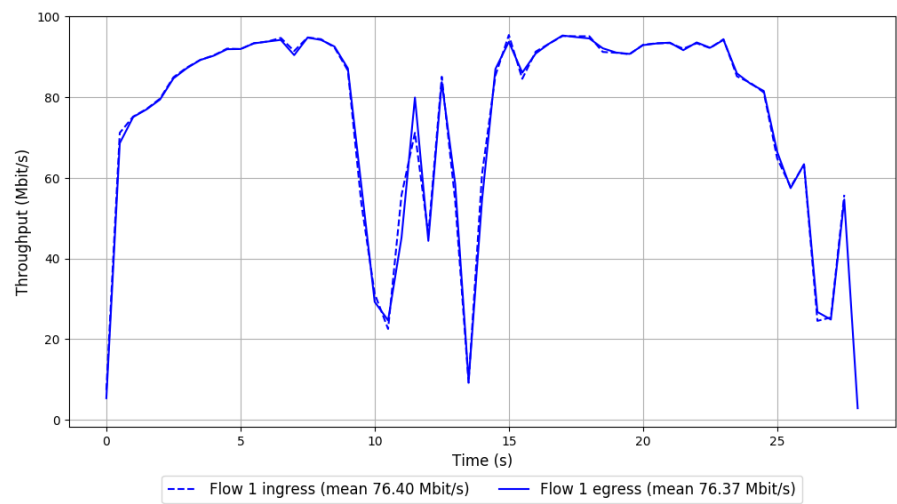


Run 7: Statistics of Copa

Start at: 2018-01-16 16:57:11
End at: 2018-01-16 16:57:41
Local clock offset: 0.016 ms
Remote clock offset: -0.345 ms

Below is generated by plot.py at 2018-01-16 19:06:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: 35.802 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: 35.802 ms
Loss rate: 0.04%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-16 17:24:00

End at: 2018-01-16 17:24:30

Local clock offset: 0.169 ms

Remote clock offset: 1.07 ms

Below is generated by plot.py at 2018-01-16 19:06:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.63 Mbit/s

95th percentile per-packet one-way delay: 35.780 ms

Loss rate: 0.16%

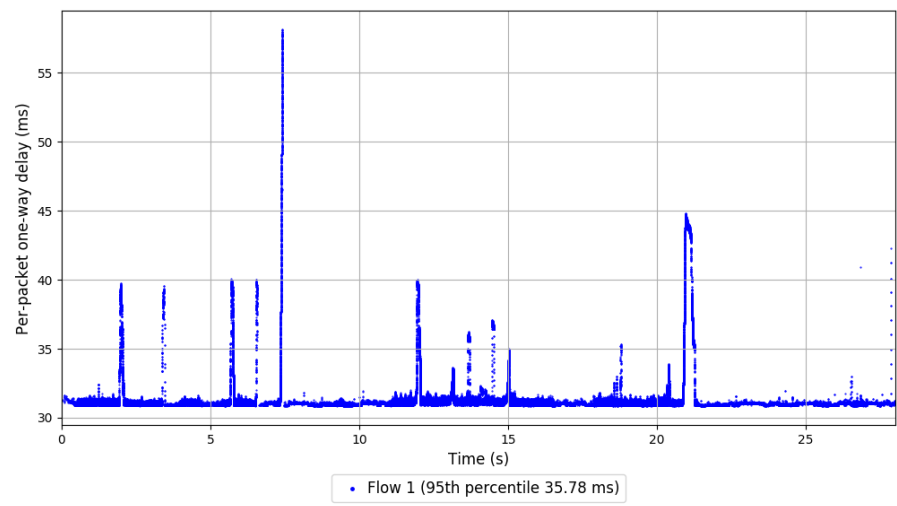
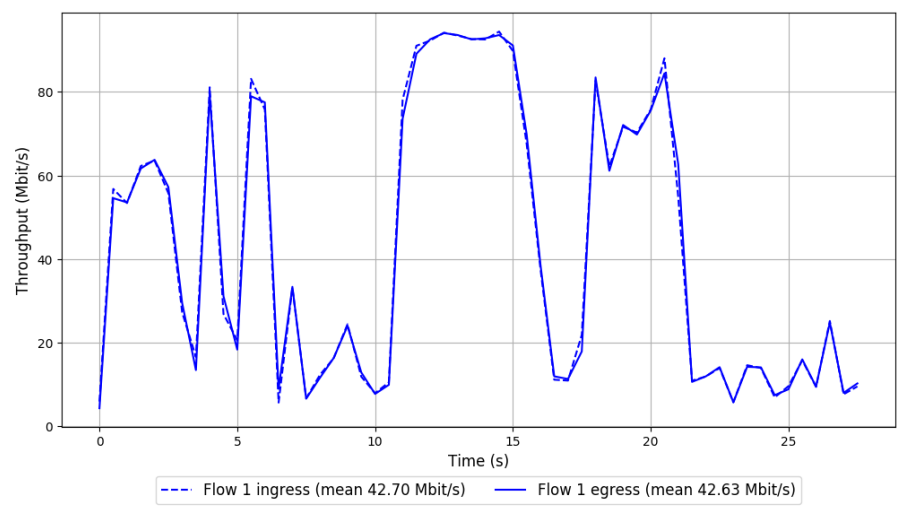
-- Flow 1:

Average throughput: 42.63 Mbit/s

95th percentile per-packet one-way delay: 35.780 ms

Loss rate: 0.16%

Run 8: Report of Copa — Data Link

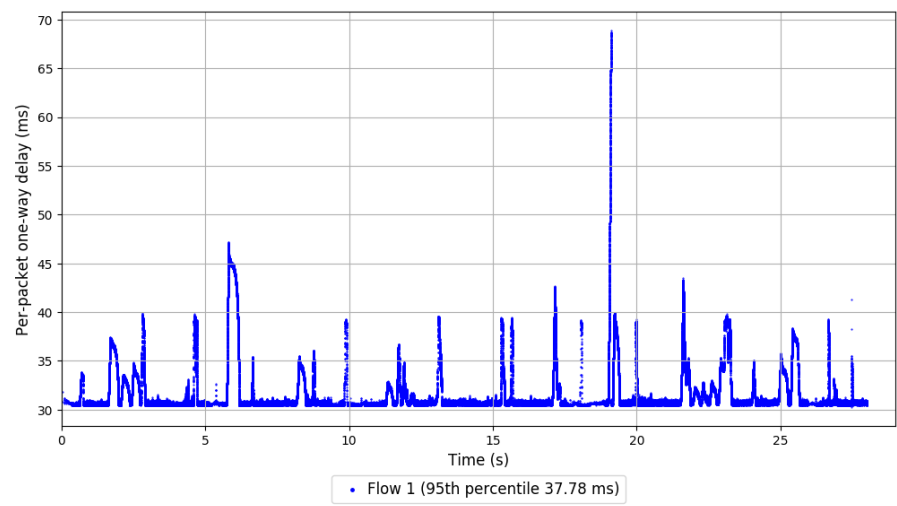
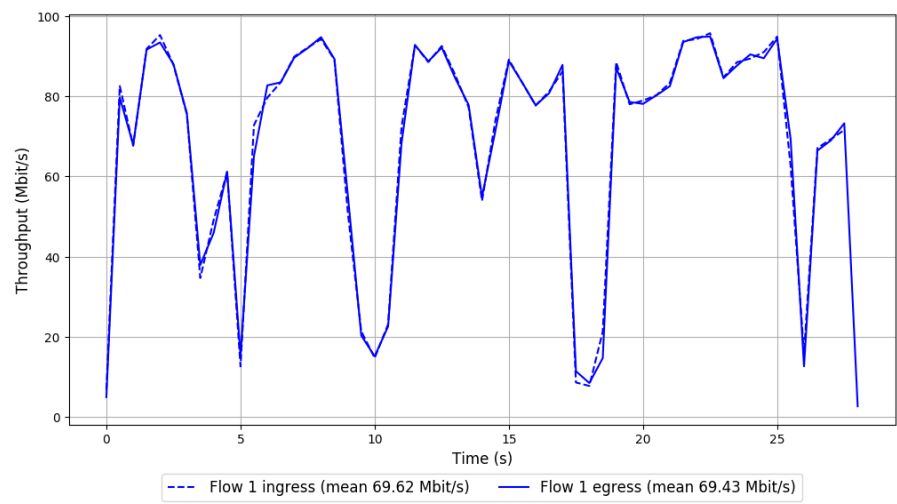


Run 9: Statistics of Copa

Start at: 2018-01-16 17:51:24
End at: 2018-01-16 17:51:54
Local clock offset: 0.31 ms
Remote clock offset: -1.164 ms

Below is generated by plot.py at 2018-01-16 19:07:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 37.785 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 37.785 ms
Loss rate: 0.28%

Run 9: Report of Copa — Data Link

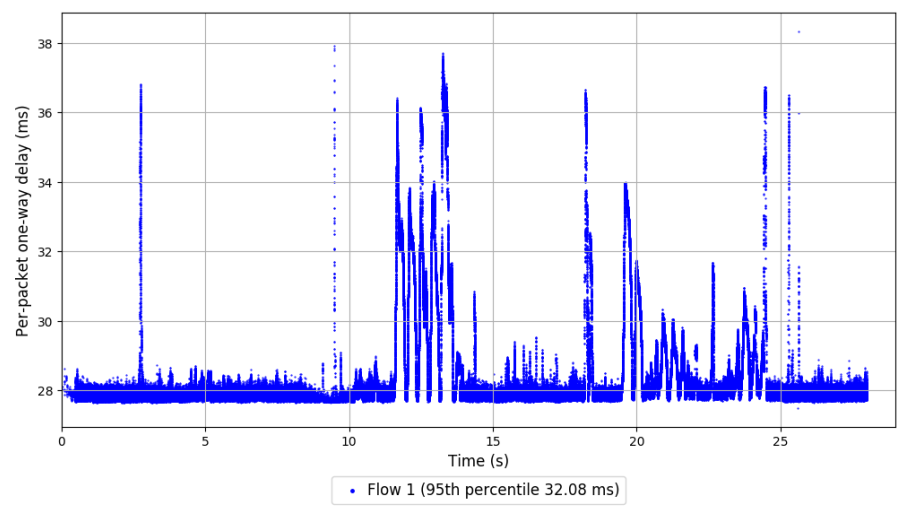
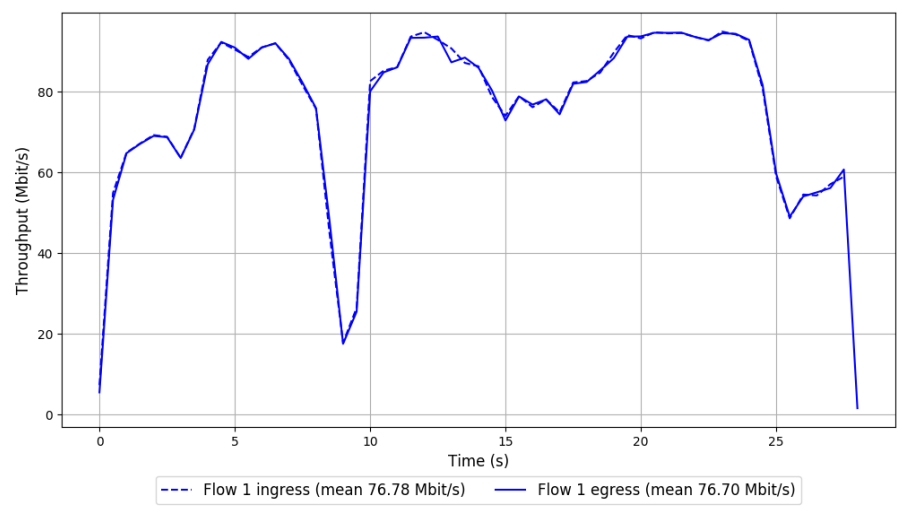


Run 10: Statistics of Copa

Start at: 2018-01-16 18:17:33
End at: 2018-01-16 18:18:03
Local clock offset: -0.651 ms
Remote clock offset: -4.982 ms

Below is generated by plot.py at 2018-01-16 19:07:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: 32.077 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: 32.077 ms
Loss rate: 0.10%

Run 10: Report of Copa — Data Link

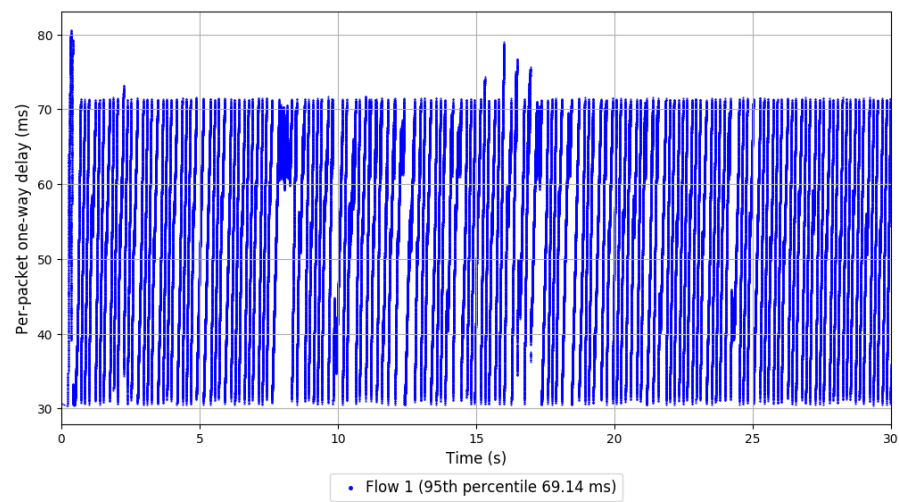
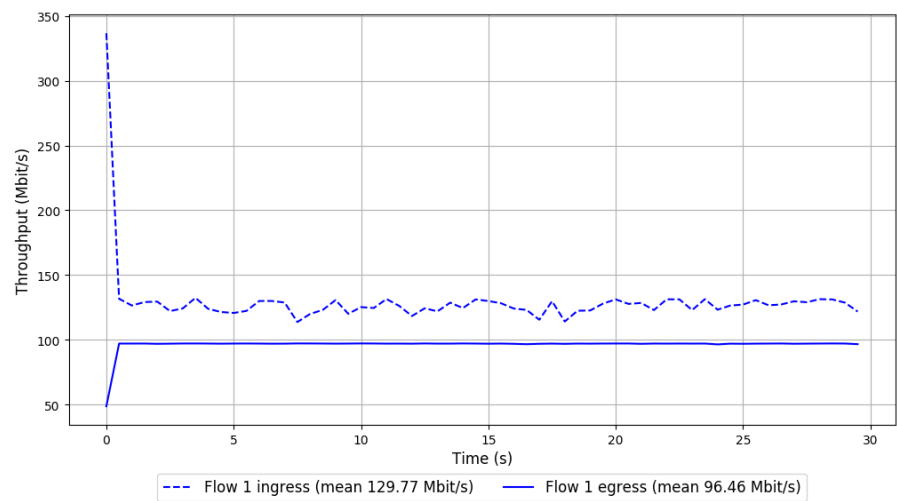


Run 1: Statistics of FillP

Start at: 2018-01-16 14:23:34
End at: 2018-01-16 14:24:04
Local clock offset: -0.188 ms
Remote clock offset: -3.944 ms

Below is generated by plot.py at 2018-01-16 19:07:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 69.141 ms
Loss rate: 25.66%
-- Flow 1:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 69.141 ms
Loss rate: 25.66%

Run 1: Report of FillP — Data Link

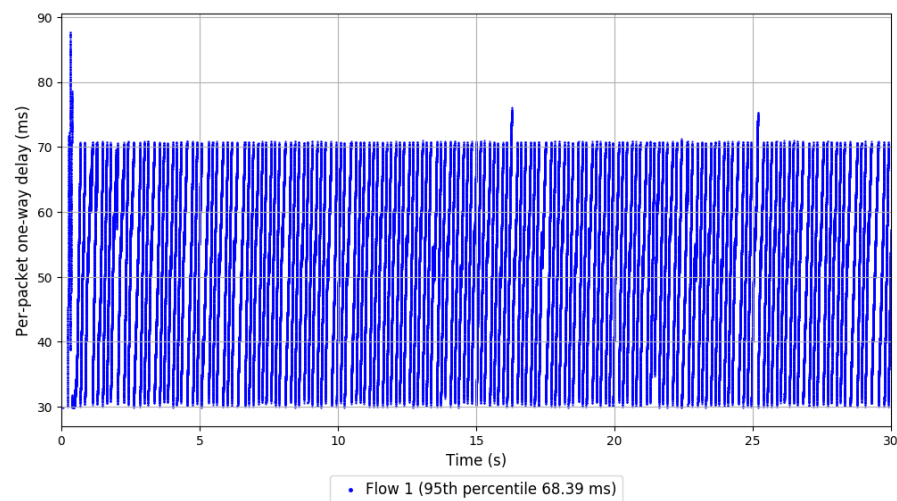
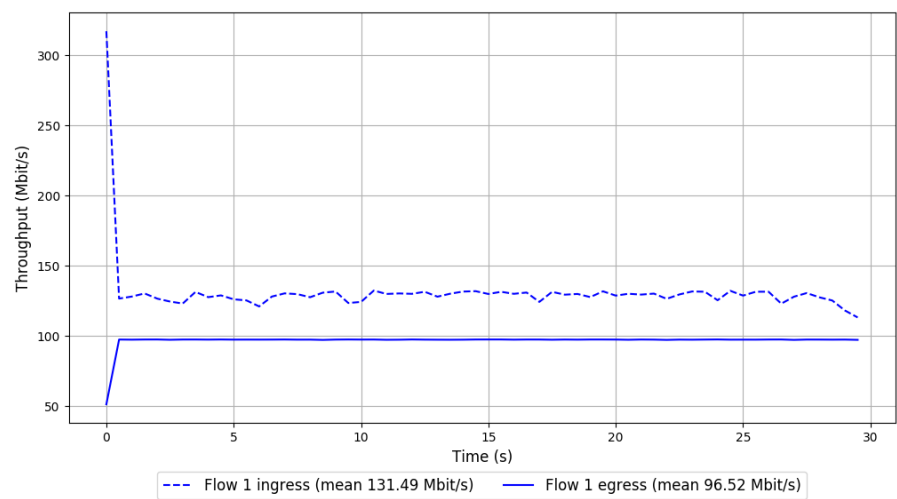


Run 2: Statistics of FillP

Start at: 2018-01-16 14:47:53
End at: 2018-01-16 14:48:23
Local clock offset: -0.118 ms
Remote clock offset: -4.325 ms

Below is generated by plot.py at 2018-01-16 19:07:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 68.394 ms
Loss rate: 26.53%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 68.394 ms
Loss rate: 26.53%

Run 2: Report of FillP — Data Link

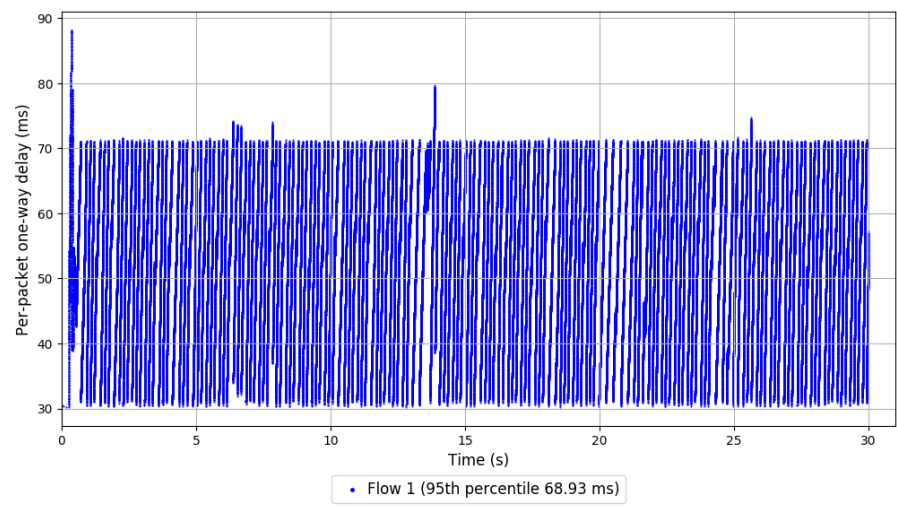
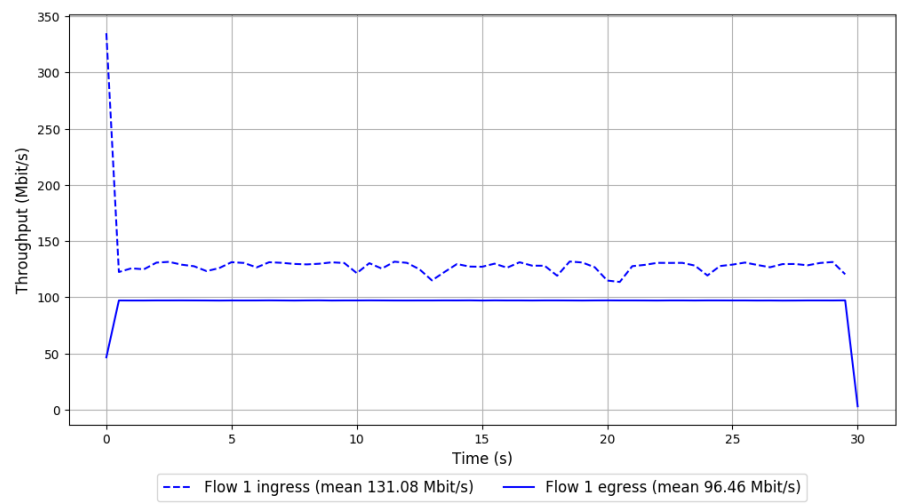


Run 3: Statistics of FillP

Start at: 2018-01-16 15:13:03
End at: 2018-01-16 15:13:33
Local clock offset: -0.075 ms
Remote clock offset: -4.479 ms

Below is generated by plot.py at 2018-01-16 19:07:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 68.932 ms
Loss rate: 26.35%
-- Flow 1:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 68.932 ms
Loss rate: 26.35%

Run 3: Report of FillP — Data Link

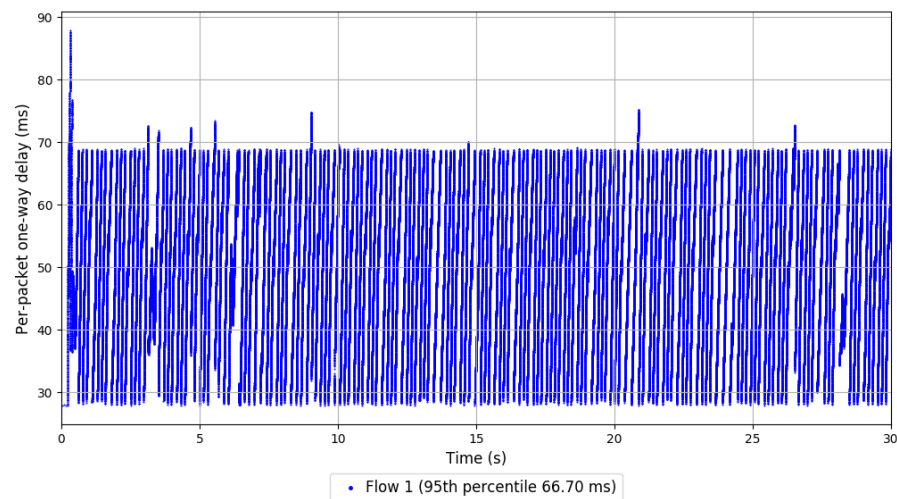
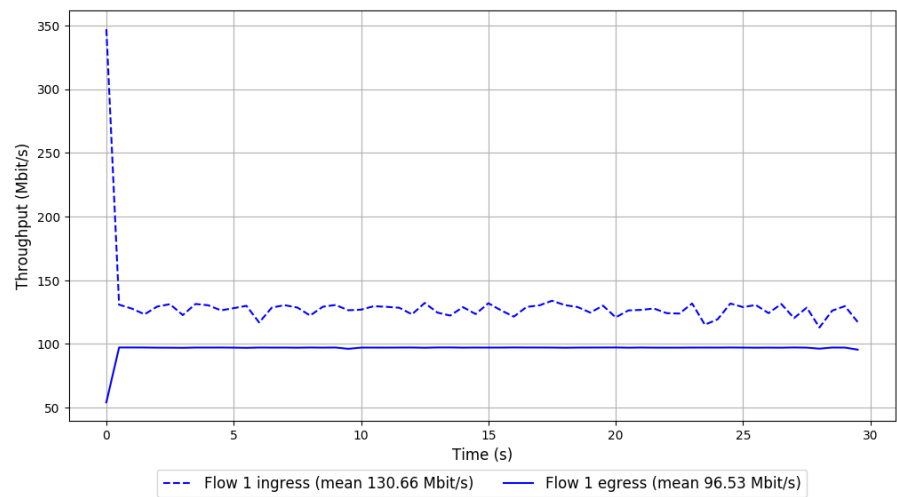


Run 4: Statistics of FillP

Start at: 2018-01-16 15:39:01
End at: 2018-01-16 15:39:31
Local clock offset: -0.043 ms
Remote clock offset: -7.777 ms

Below is generated by plot.py at 2018-01-16 19:07:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 66.702 ms
Loss rate: 26.09%
-- Flow 1:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 66.702 ms
Loss rate: 26.09%

Run 4: Report of FillP — Data Link

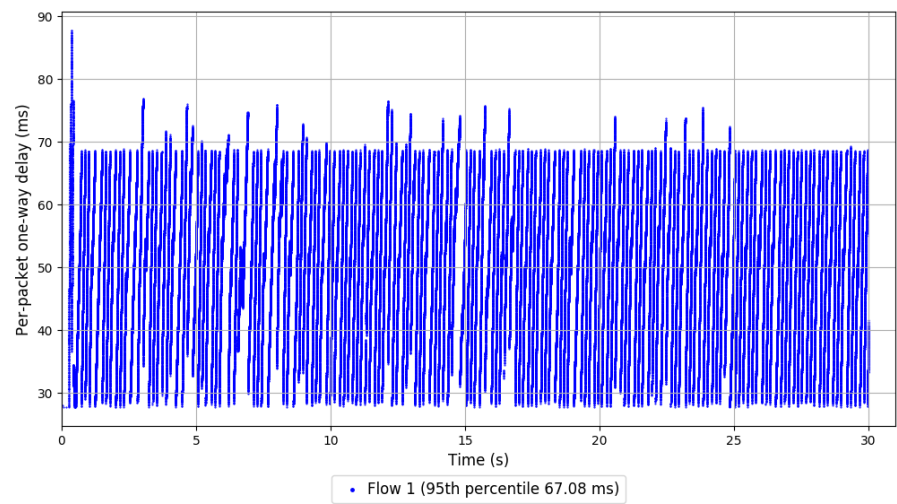
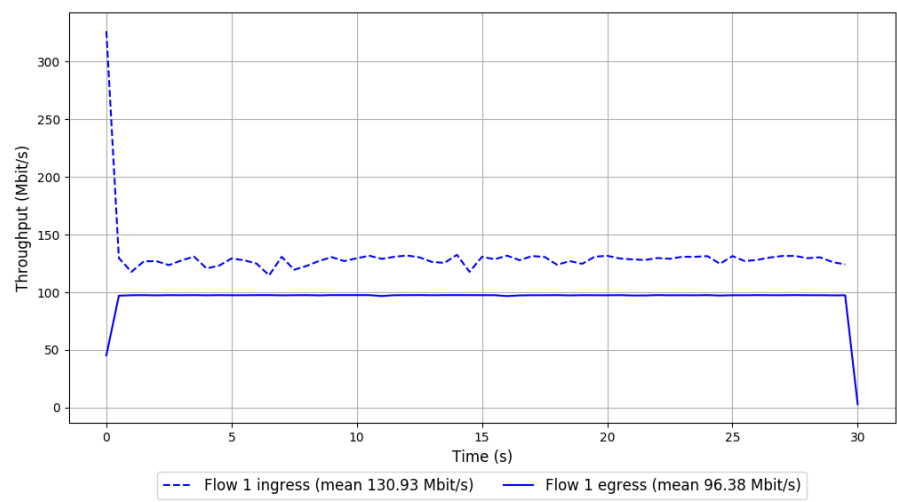


Run 5: Statistics of FillP

Start at: 2018-01-16 16:05:12
End at: 2018-01-16 16:05:42
Local clock offset: -0.048 ms
Remote clock offset: -7.436 ms

Below is generated by plot.py at 2018-01-16 19:08:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 67.081 ms
Loss rate: 26.35%
-- Flow 1:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 67.081 ms
Loss rate: 26.35%

Run 5: Report of FillP — Data Link

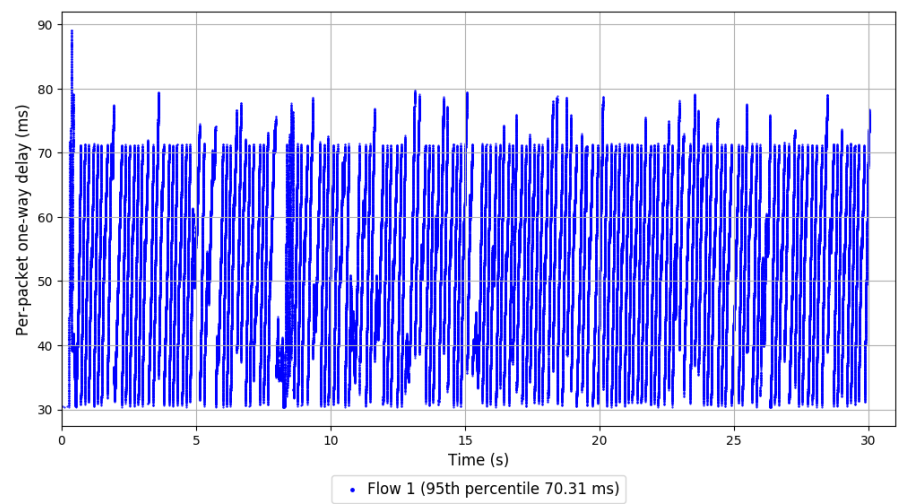
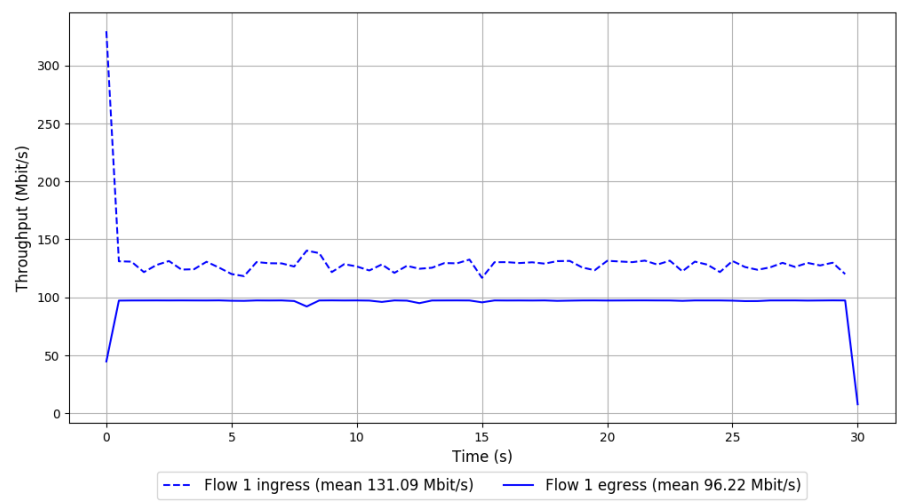


Run 6: Statistics of FillP

Start at: 2018-01-16 16:30:12
End at: 2018-01-16 16:30:42
Local clock offset: -0.081 ms
Remote clock offset: -3.677 ms

Below is generated by plot.py at 2018-01-16 19:08:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 70.308 ms
Loss rate: 26.51%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 70.308 ms
Loss rate: 26.51%

Run 6: Report of FillP — Data Link

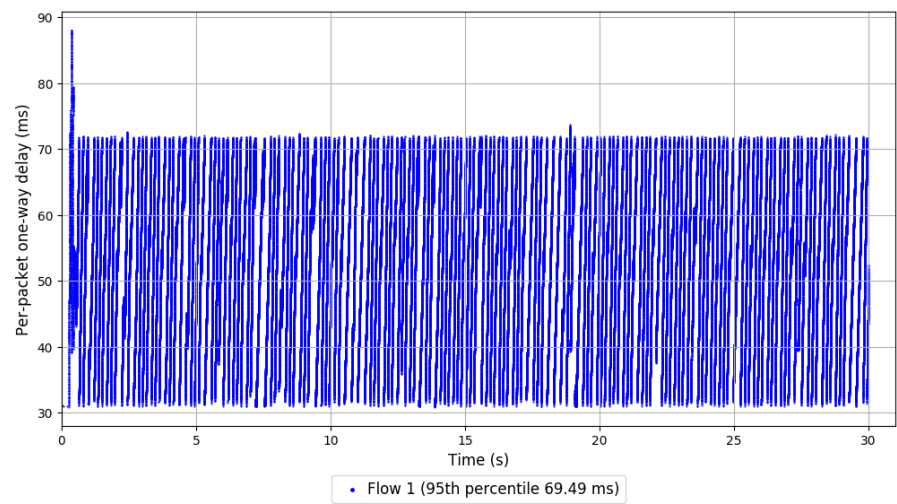
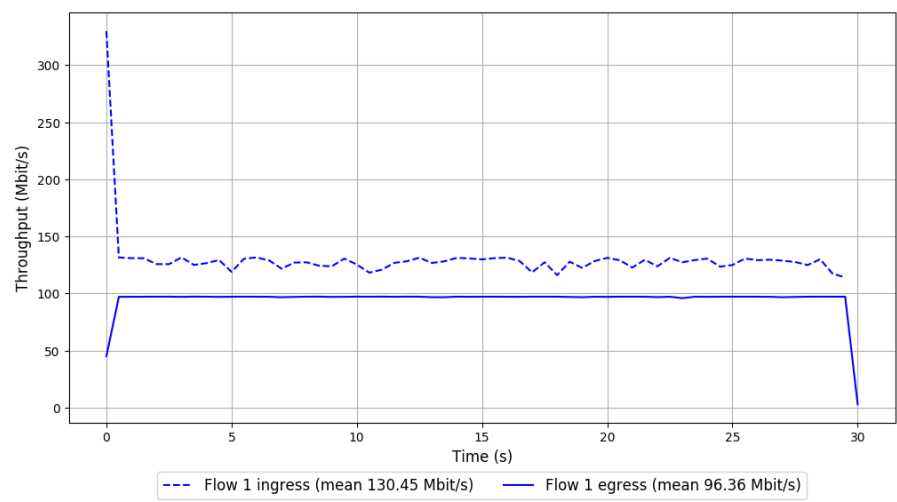


Run 7: Statistics of FillP

Start at: 2018-01-16 16:55:46
End at: 2018-01-16 16:56:16
Local clock offset: 0.112 ms
Remote clock offset: -0.514 ms

Below is generated by plot.py at 2018-01-16 19:08:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 69.491 ms
Loss rate: 26.09%
-- Flow 1:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 69.491 ms
Loss rate: 26.09%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-16 17:22:31

End at: 2018-01-16 17:23:01

Local clock offset: 0.171 ms

Remote clock offset: 1.142 ms

Below is generated by plot.py at 2018-01-16 19:09:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 69.272 ms

Loss rate: 25.95%

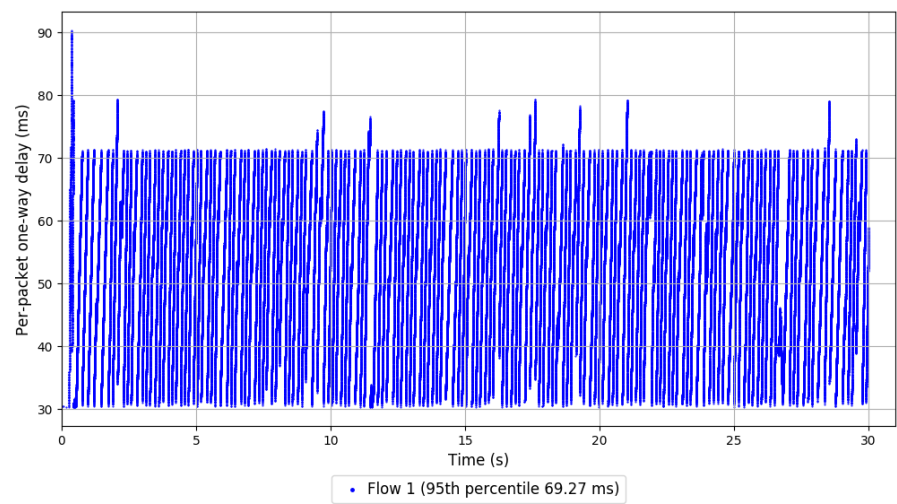
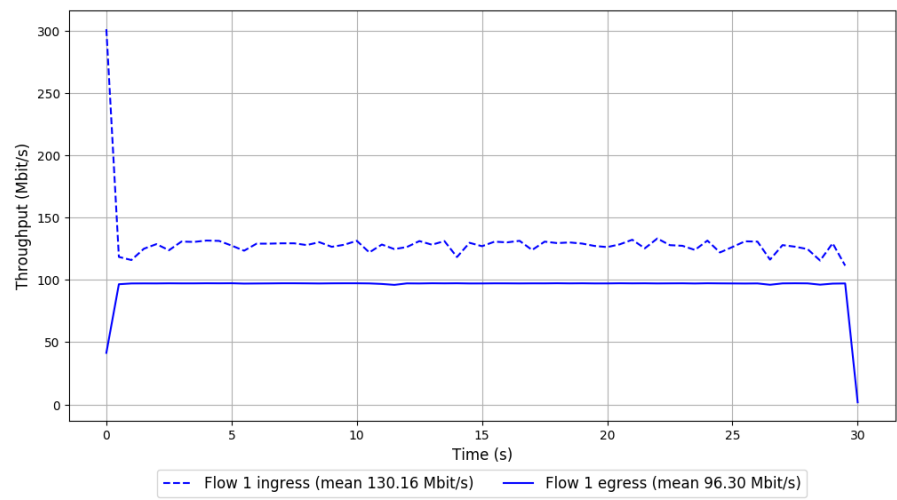
-- Flow 1:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 69.272 ms

Loss rate: 25.95%

Run 8: Report of FillP — Data Link

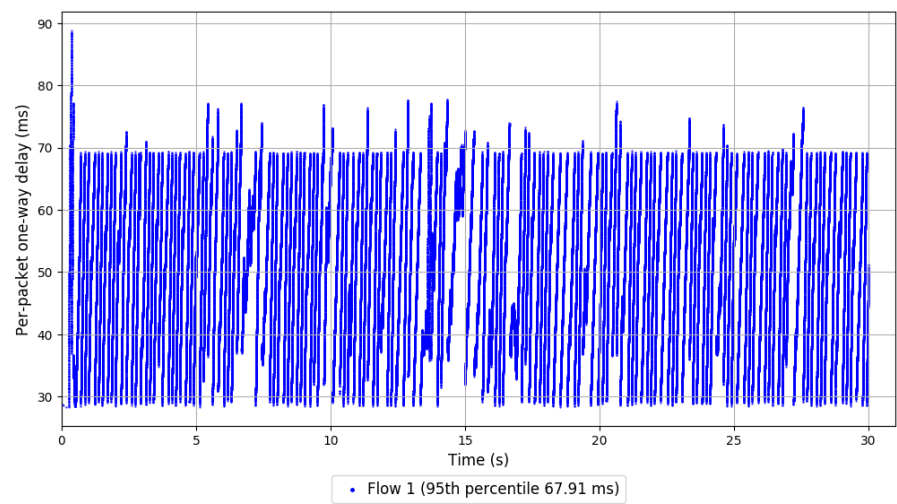
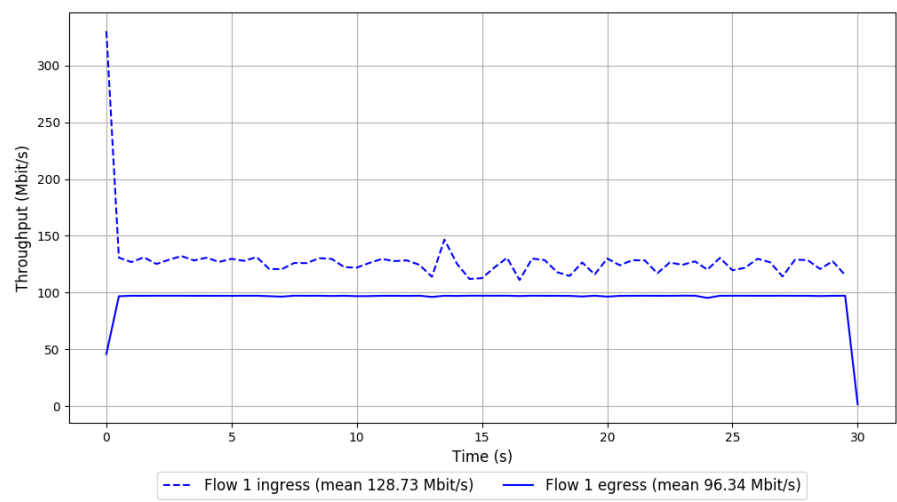


Run 9: Statistics of FillP

Start at: 2018-01-16 17:49:55
End at: 2018-01-16 17:50:25
Local clock offset: 0.289 ms
Remote clock offset: -3.185 ms

Below is generated by plot.py at 2018-01-16 19:09:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 67.913 ms
Loss rate: 25.11%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 67.913 ms
Loss rate: 25.11%

Run 9: Report of FillP — Data Link

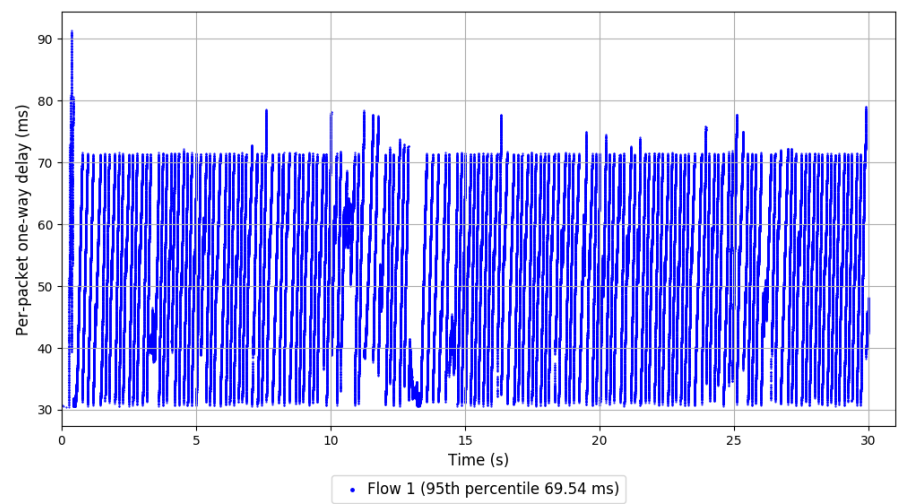
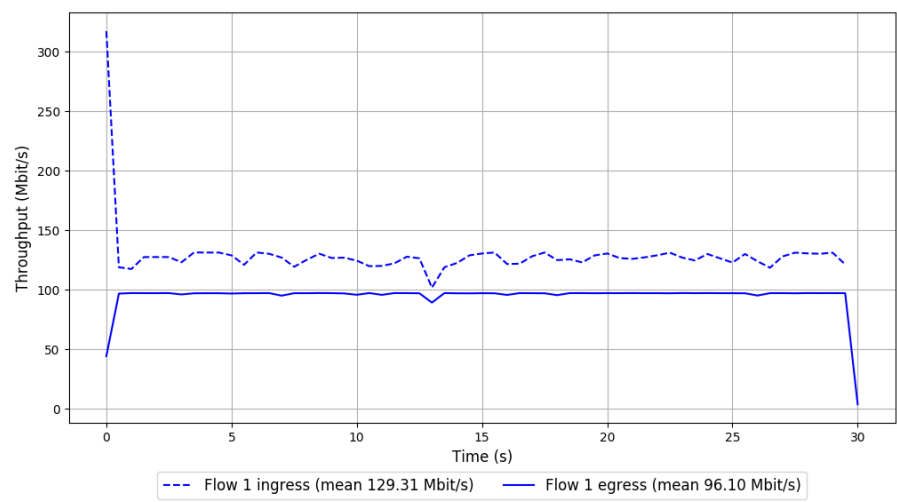


Run 10: Statistics of FillP

Start at: 2018-01-16 18:16:04
End at: 2018-01-16 18:16:34
Local clock offset: -0.667 ms
Remote clock offset: -2.763 ms

Below is generated by plot.py at 2018-01-16 19:09:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 69.537 ms
Loss rate: 25.64%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 69.537 ms
Loss rate: 25.64%

Run 10: Report of FillP — Data Link

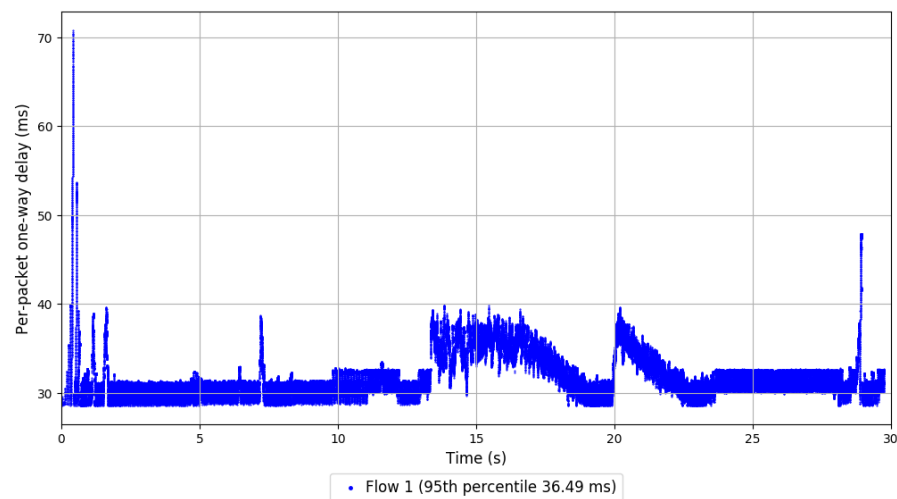
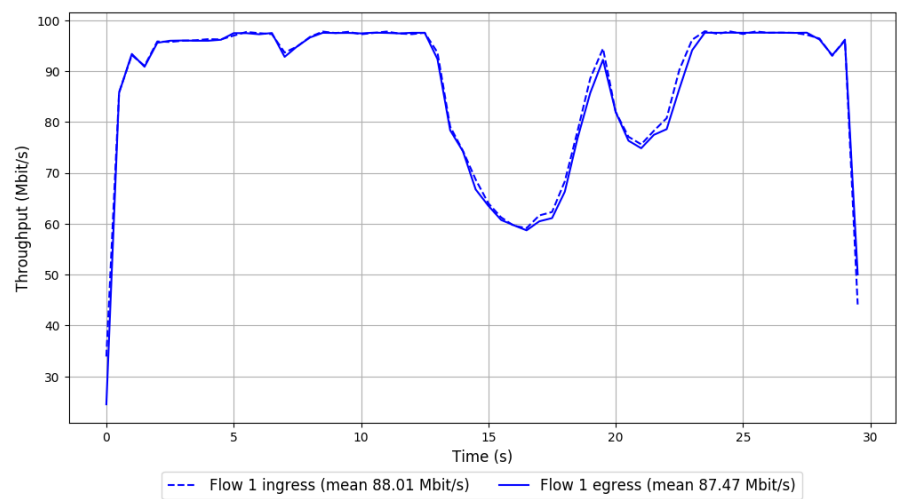


```
Run 1: Statistics of Indigo

Start at: 2018-01-16 14:12:45
End at: 2018-01-16 14:13:15
Local clock offset: -0.254 ms
Remote clock offset: -5.79 ms

# Below is generated by plot.py at 2018-01-16 19:09:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 36.494 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 36.494 ms
Loss rate: 0.60%
```

Run 1: Report of Indigo — Data Link

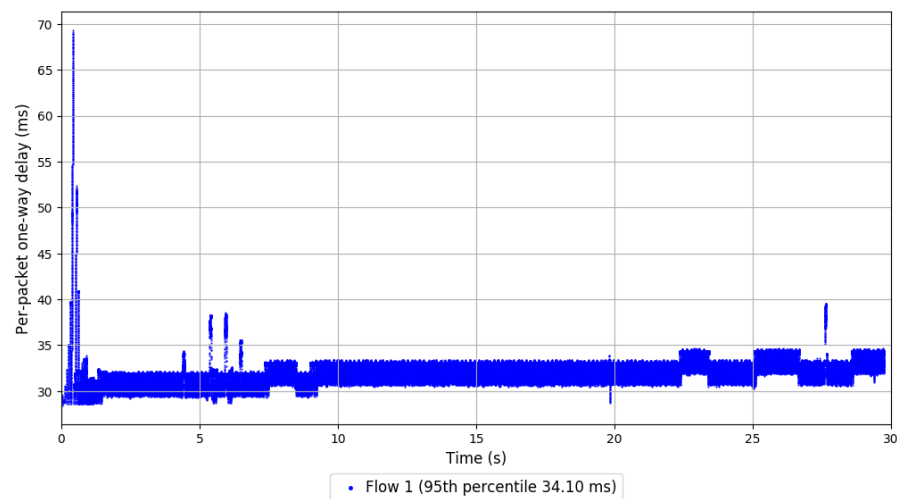
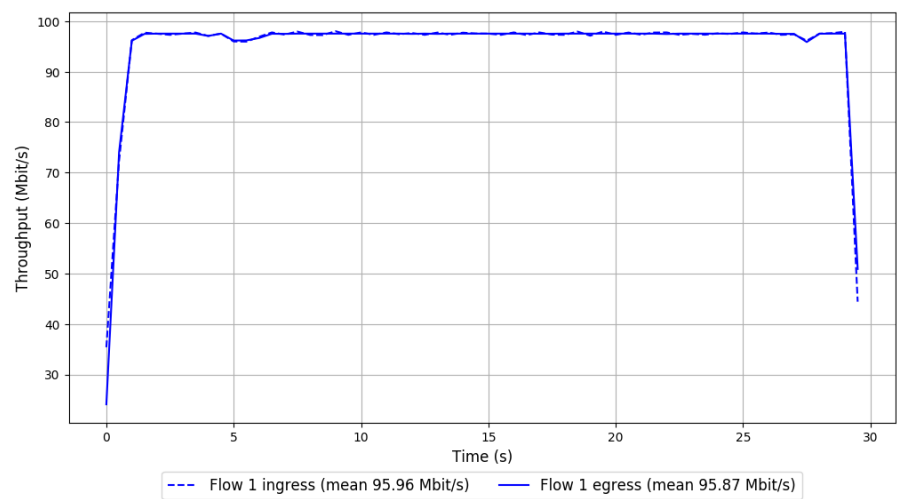


Run 2: Statistics of Indigo

Start at: 2018-01-16 14:37:03
End at: 2018-01-16 14:37:33
Local clock offset: -0.124 ms
Remote clock offset: -6.154 ms

Below is generated by plot.py at 2018-01-16 19:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 34.098 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 34.098 ms
Loss rate: 0.08%

Run 2: Report of Indigo — Data Link

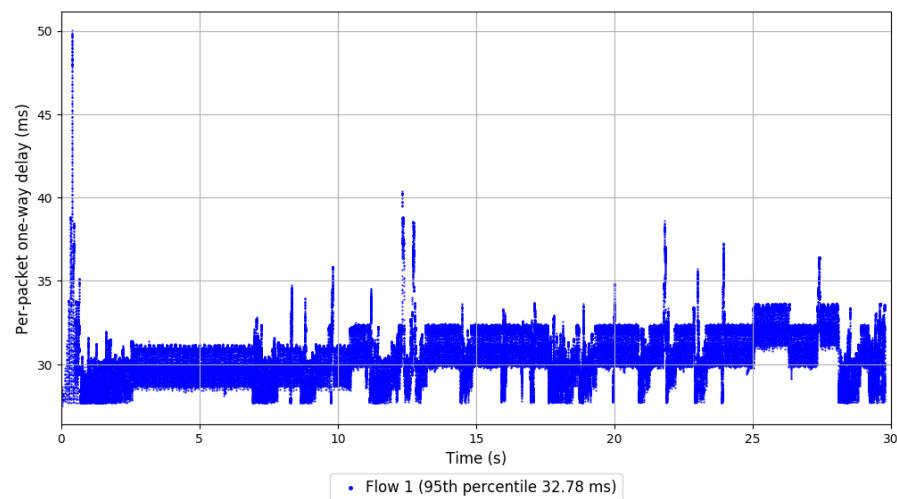
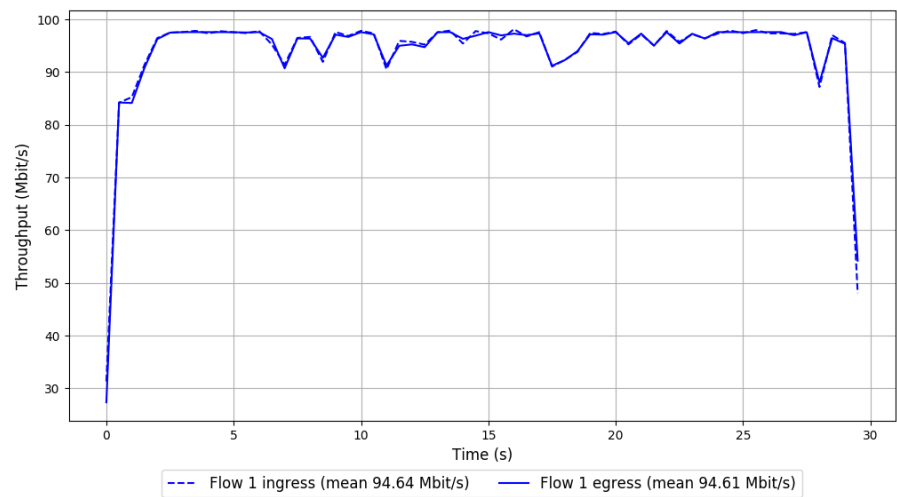


Run 3: Statistics of Indigo

Start at: 2018-01-16 15:01:38
End at: 2018-01-16 15:02:08
Local clock offset: -0.053 ms
Remote clock offset: -6.598 ms

Below is generated by plot.py at 2018-01-16 19:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 32.784 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 32.784 ms
Loss rate: 0.03%

Run 3: Report of Indigo — Data Link

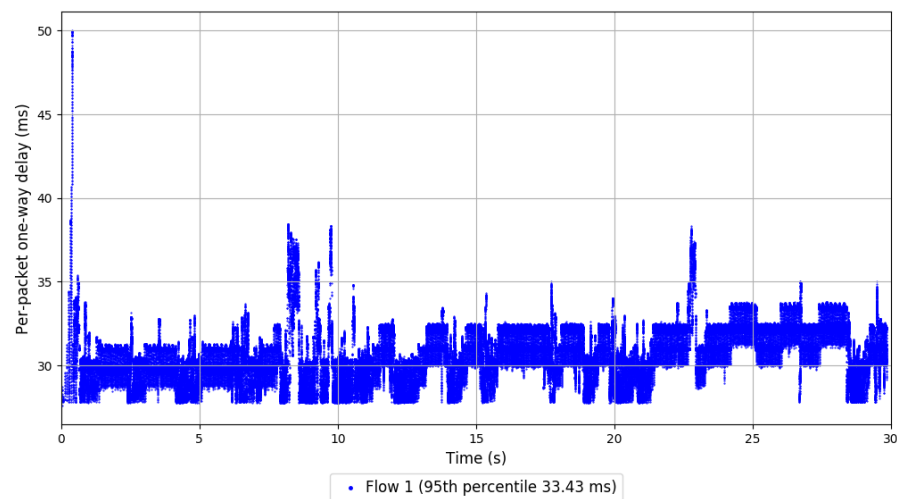
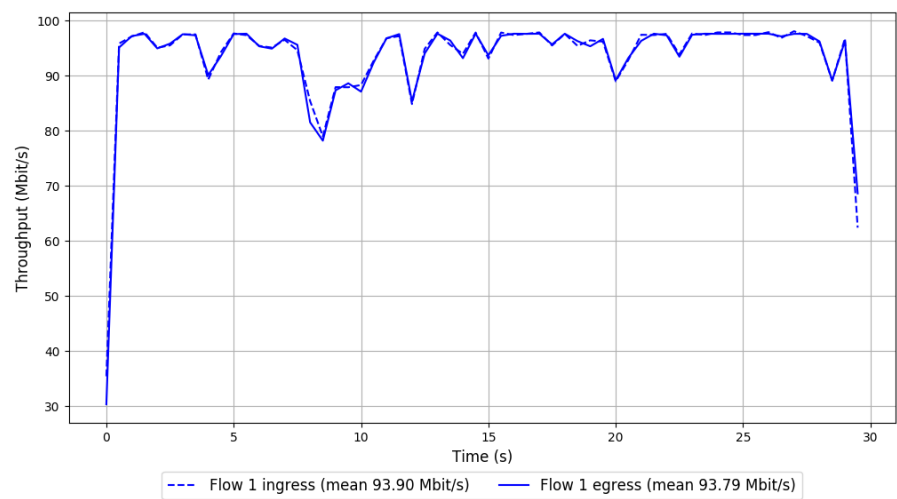


Run 4: Statistics of Indigo

Start at: 2018-01-16 15:27:20
End at: 2018-01-16 15:27:50
Local clock offset: 0.07 ms
Remote clock offset: -7.494 ms

Below is generated by plot.py at 2018-01-16 19:09:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 33.427 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 33.427 ms
Loss rate: 0.10%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

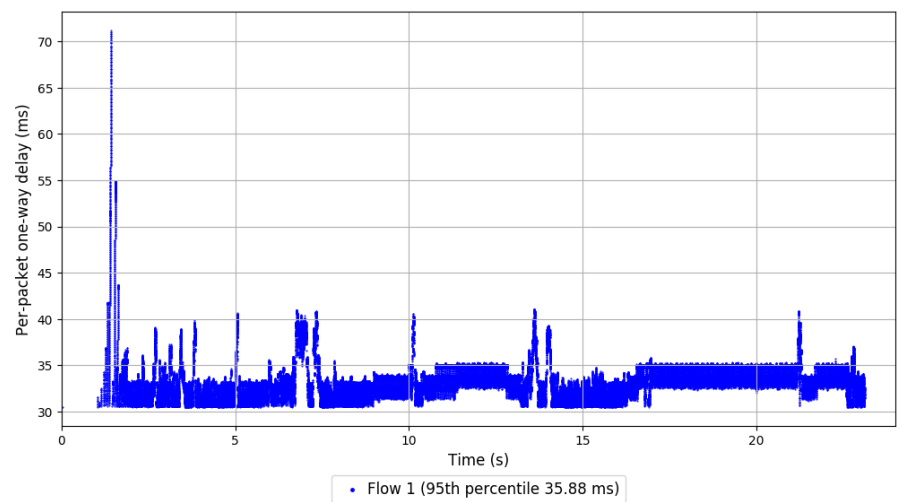
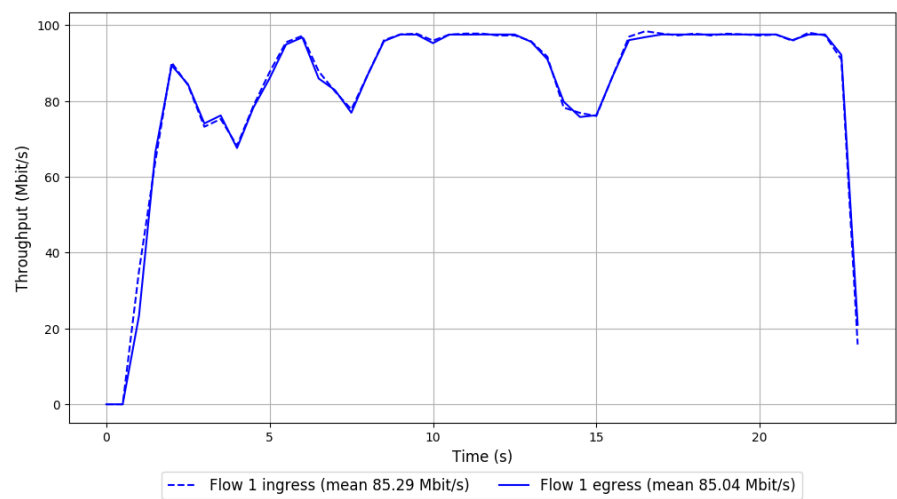
Start at: 2018-01-16 15:53:46

End at: 2018-01-16 15:54:16

Local clock offset: 0.053 ms

Remote clock offset: -5.502 ms

Run 5: Report of Indigo — Data Link

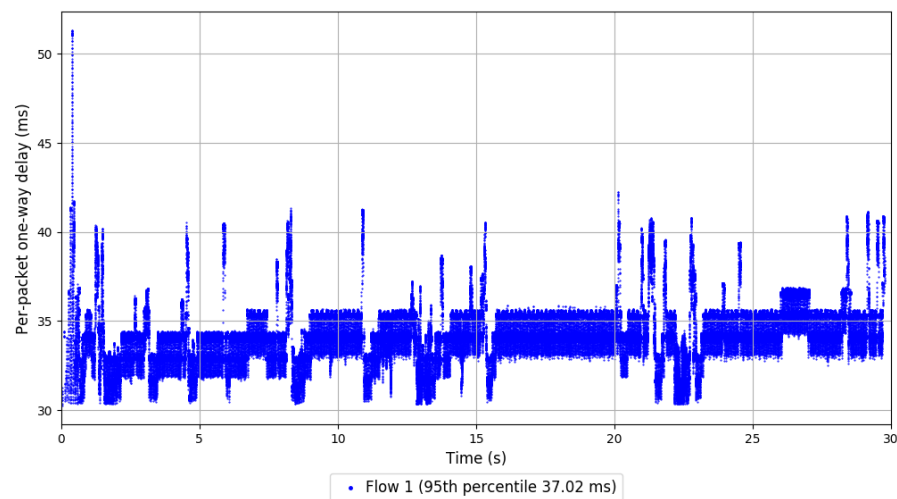
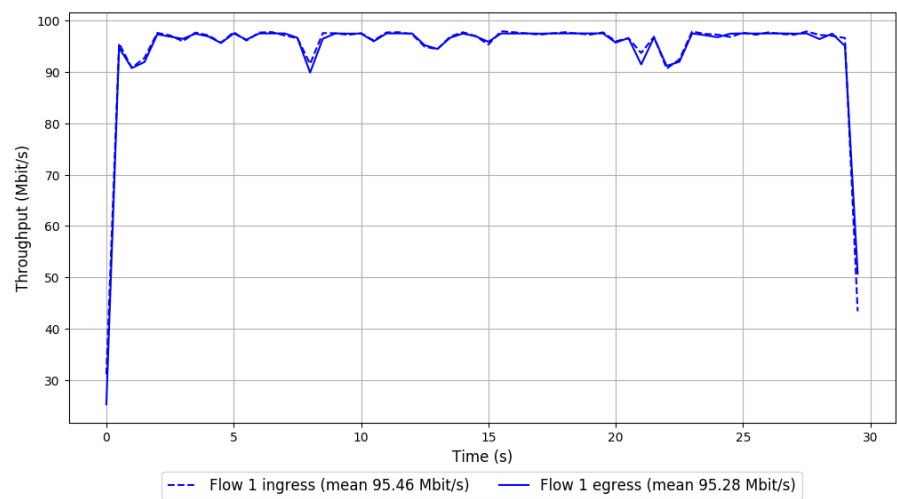


Run 6: Statistics of Indigo

Start at: 2018-01-16 16:18:45
End at: 2018-01-16 16:19:15
Local clock offset: -0.027 ms
Remote clock offset: -4.988 ms

Below is generated by plot.py at 2018-01-16 19:10:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 37.017 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 37.017 ms
Loss rate: 0.16%

Run 6: Report of Indigo — Data Link

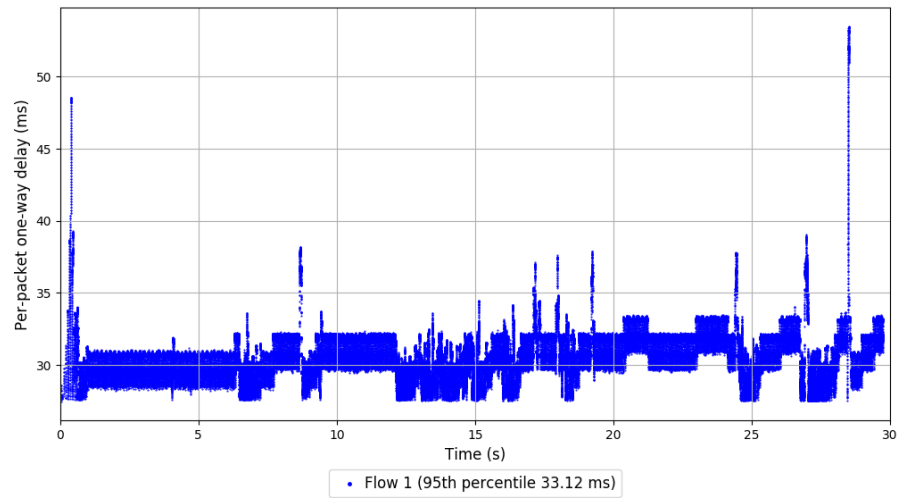
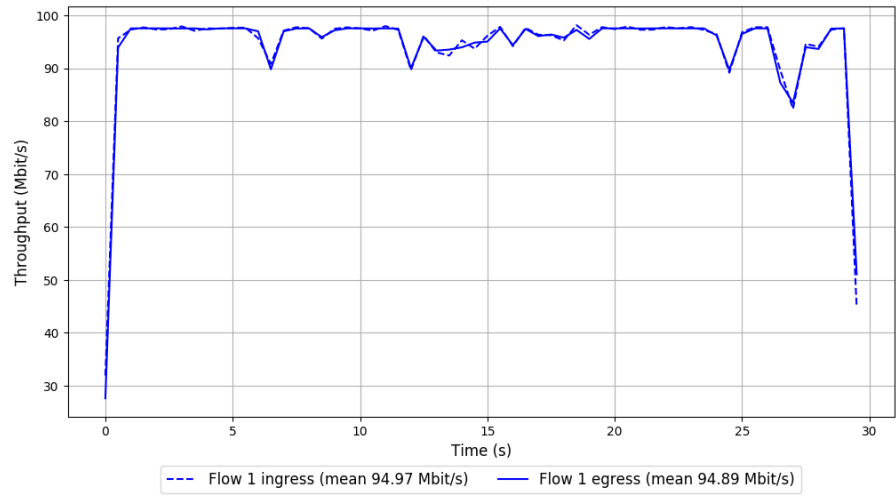


Run 7: Statistics of Indigo

Start at: 2018-01-16 16:44:15
End at: 2018-01-16 16:44:45
Local clock offset: 0.108 ms
Remote clock offset: -4.633 ms

Below is generated by plot.py at 2018-01-16 19:10:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 33.123 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 33.123 ms
Loss rate: 0.07%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

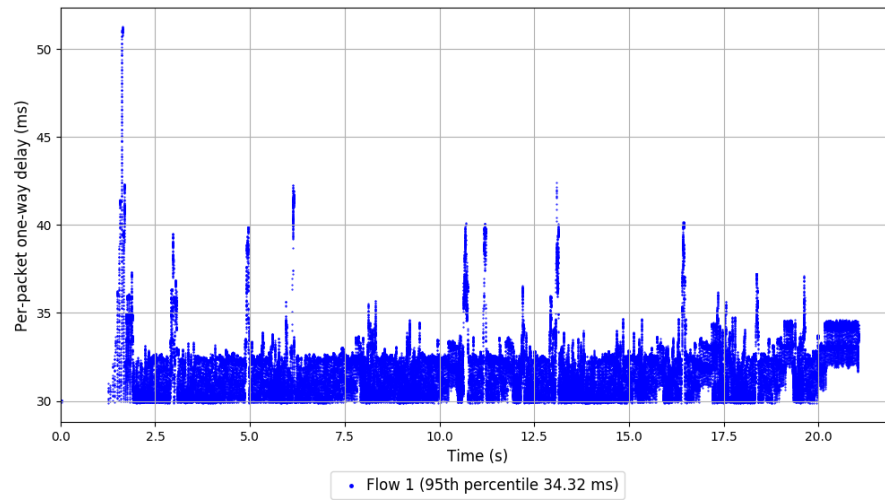
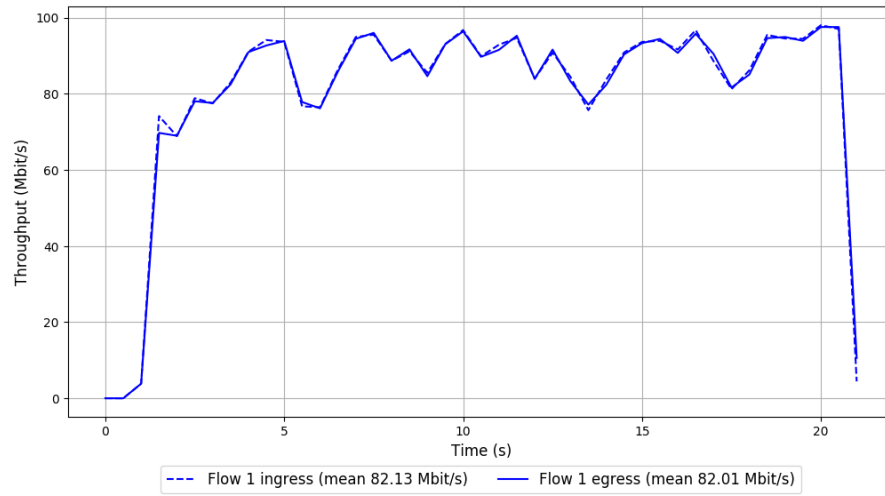
Start at: 2018-01-16 17:10:07

End at: 2018-01-16 17:10:37

Local clock offset: 0.124 ms

Remote clock offset: 0.14 ms

Run 8: Report of Indigo — Data Link

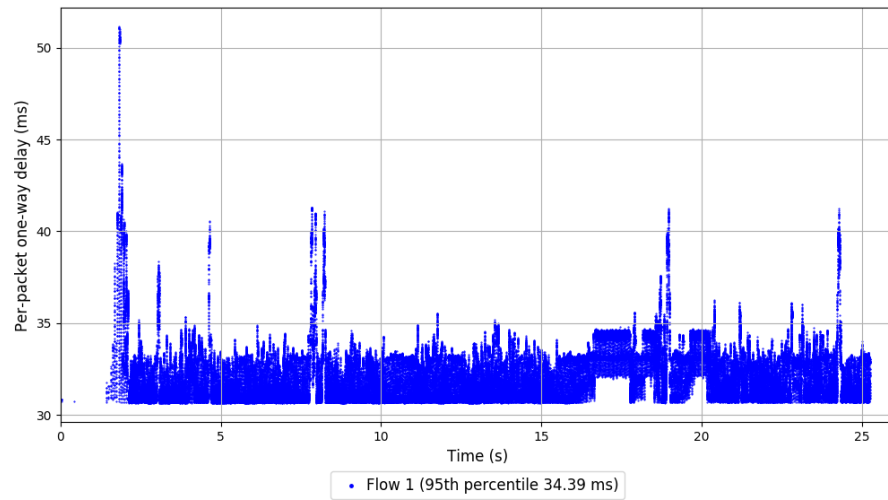
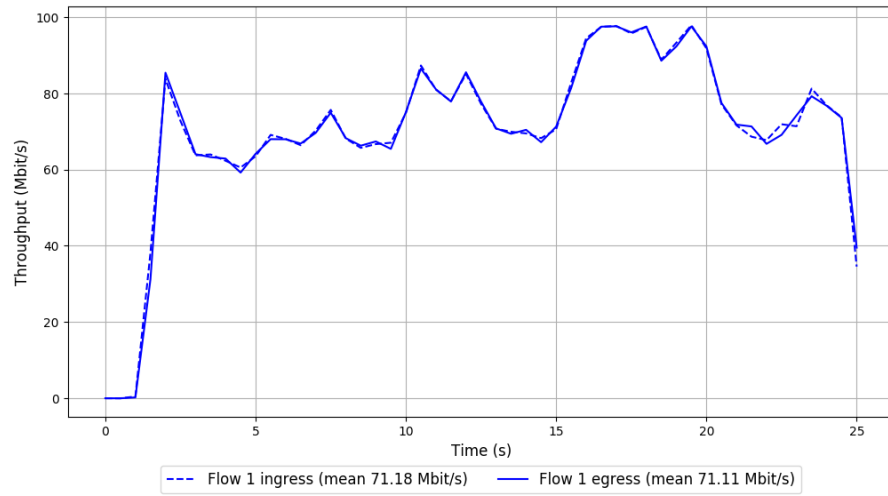


Run 9: Statistics of Indigo

Start at: 2018-01-16 17:37:21
End at: 2018-01-16 17:37:51
Local clock offset: 0.116 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-01-16 19:10:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 34.393 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 34.393 ms
Loss rate: 0.10%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

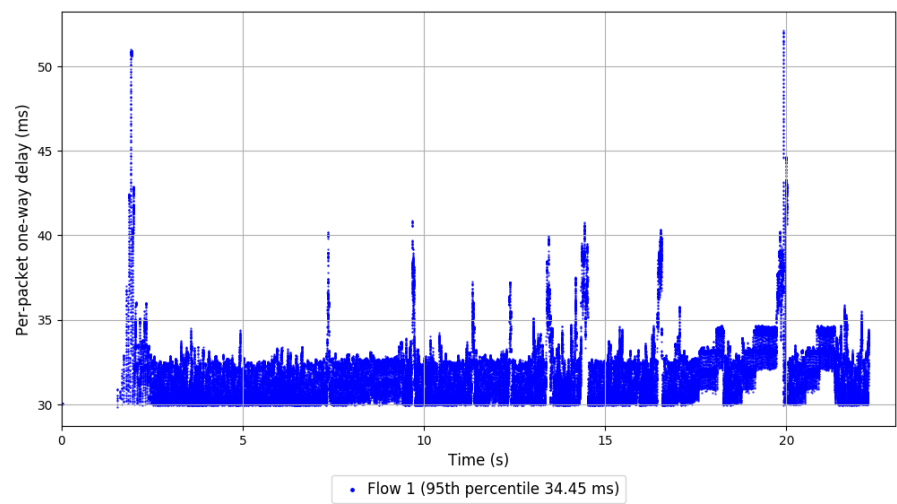
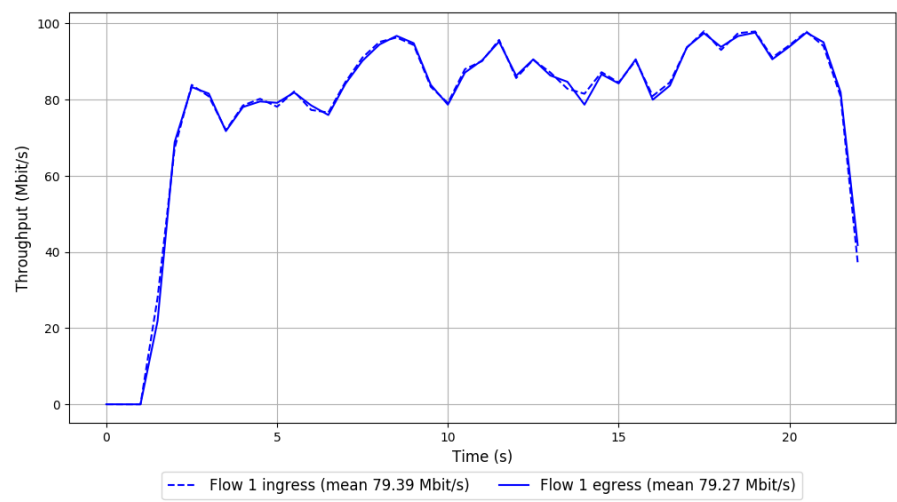
Start at: 2018-01-16 18:04:37

End at: 2018-01-16 18:05:07

Local clock offset: -0.108 ms

Remote clock offset: -1.774 ms

Run 10: Report of Indigo — Data Link



Run 1: Statistics of Vivace-latency

Start at: 2018-01-16 14:04:43

End at: 2018-01-16 14:05:13

Local clock offset: -0.287 ms

Remote clock offset: -3.32 ms

Below is generated by plot.py at 2018-01-16 19:11:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.65 Mbit/s

95th percentile per-packet one-way delay: 34.428 ms

Loss rate: 0.16%

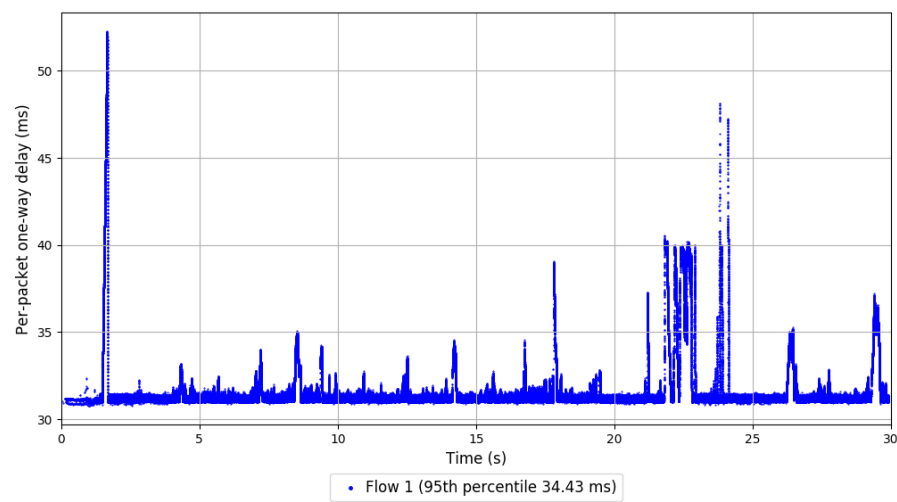
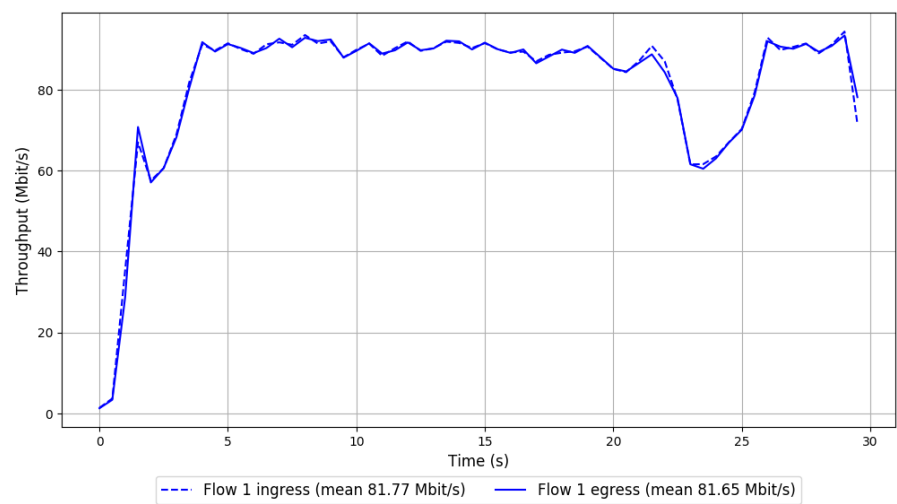
-- Flow 1:

Average throughput: 81.65 Mbit/s

95th percentile per-packet one-way delay: 34.428 ms

Loss rate: 0.16%

Run 1: Report of Vivace-latency — Data Link

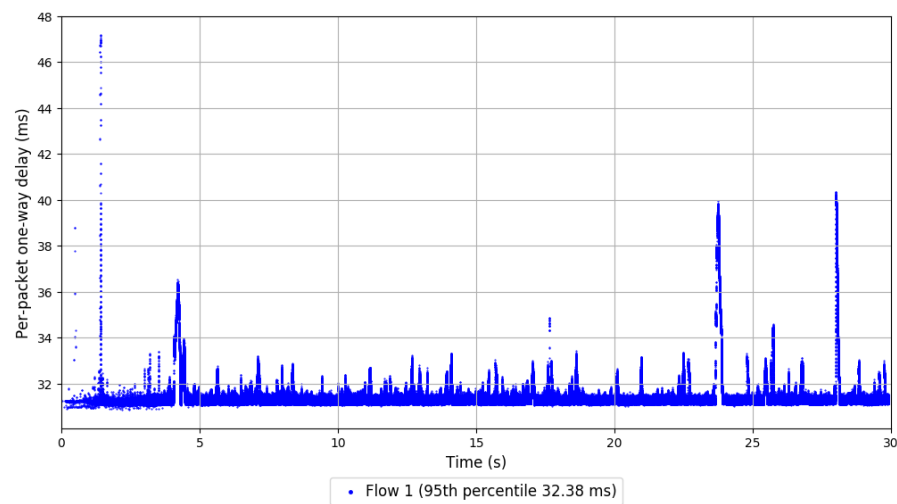
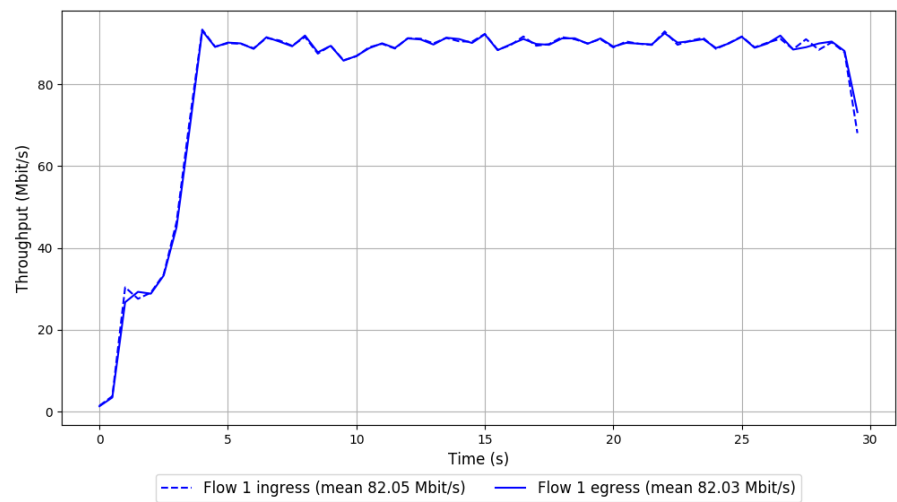


Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 14:29:04
End at: 2018-01-16 14:29:34
Local clock offset: -0.241 ms
Remote clock offset: -3.605 ms

Below is generated by plot.py at 2018-01-16 19:11:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 32.375 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 32.375 ms
Loss rate: 0.03%

Run 2: Report of Vivace-latency — Data Link

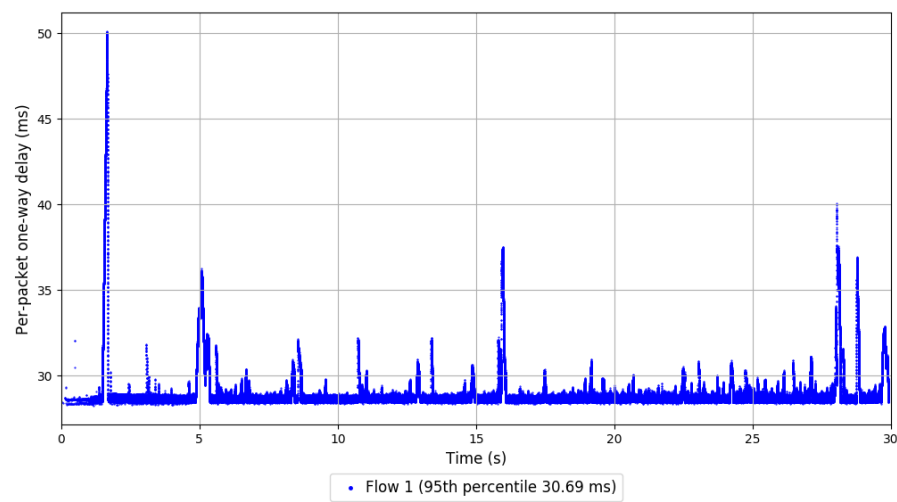
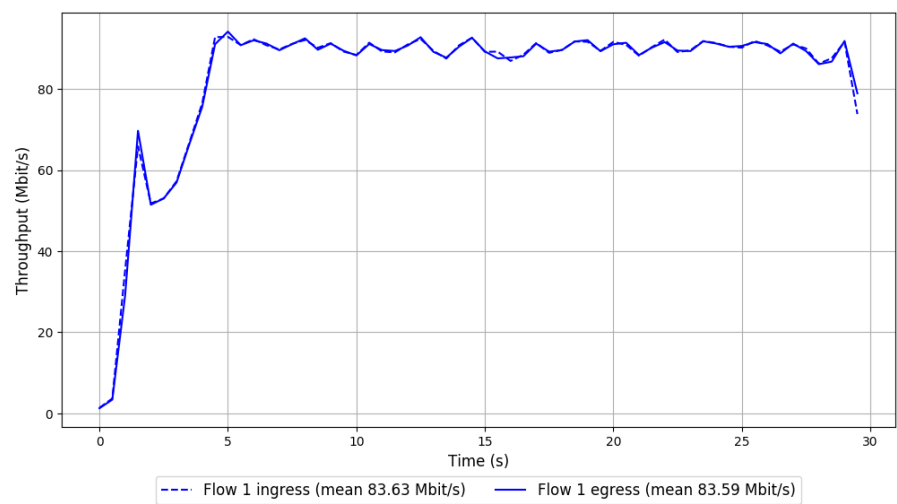


Run 3: Statistics of Vivace-latency

Start at: 2018-01-16 14:53:23
End at: 2018-01-16 14:53:53
Local clock offset: -0.076 ms
Remote clock offset: -6.436 ms

Below is generated by plot.py at 2018-01-16 19:12:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 30.689 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 30.689 ms
Loss rate: 0.05%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-16 15:19:03

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

Local clock offset: 0.04 ms

Remote clock offset: -4.71 ms

Below is generated by plot.py at 2018-01-16 19:12:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.02 Mbit/s

95th percentile per-packet one-way delay: 34.120 ms

Loss rate: 0.12%

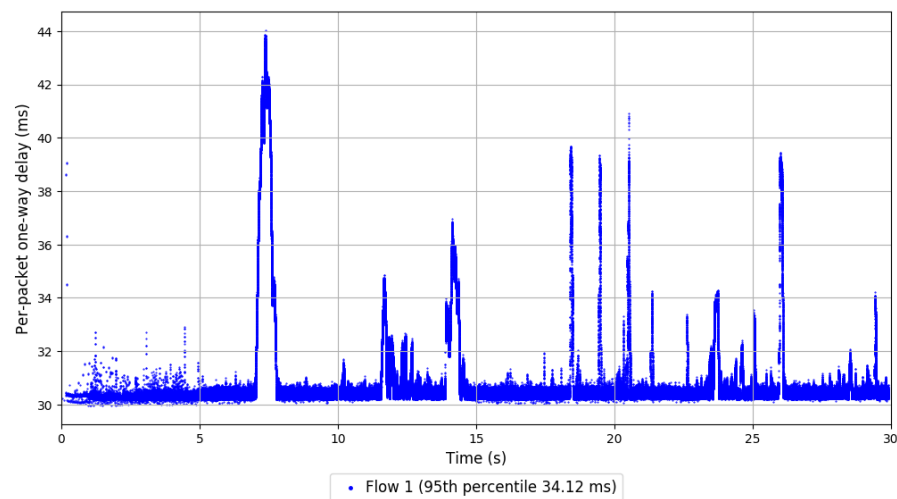
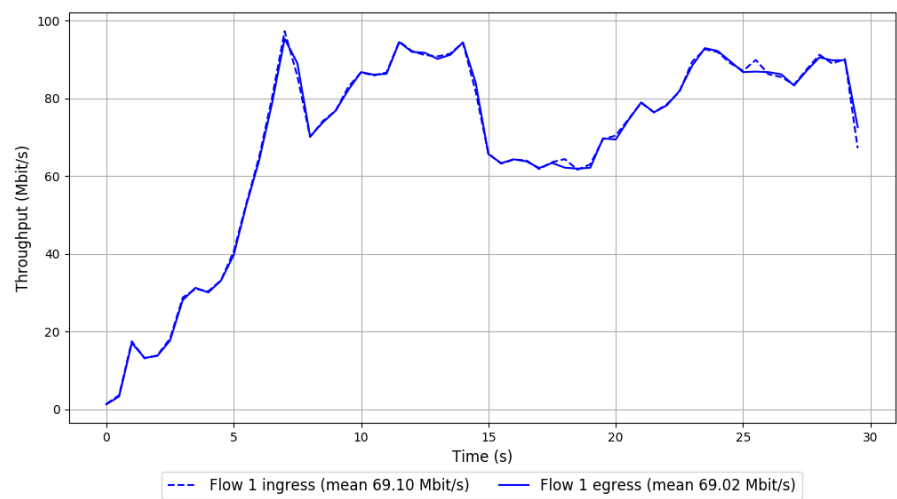
-- Flow 1:

Average throughput: 69.02 Mbit/s

95th percentile per-packet one-way delay: 34.120 ms

Loss rate: 0.12%

Run 4: Report of Vivace-latency — Data Link

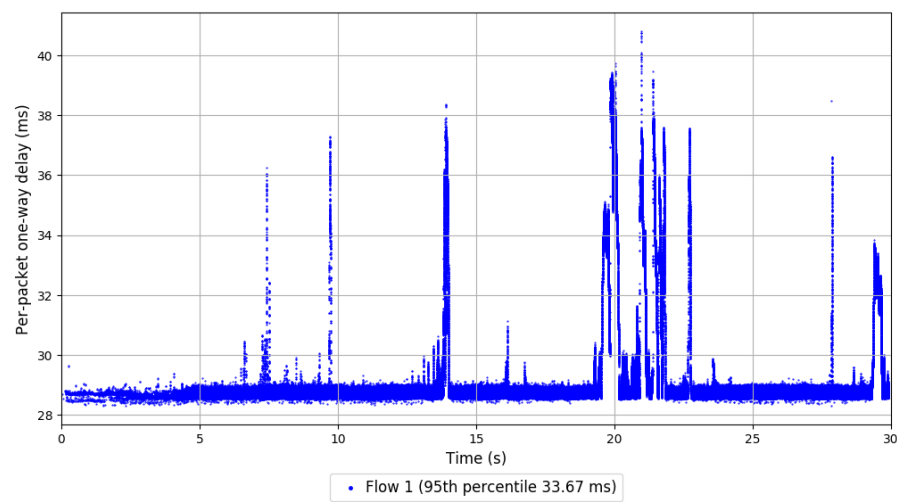
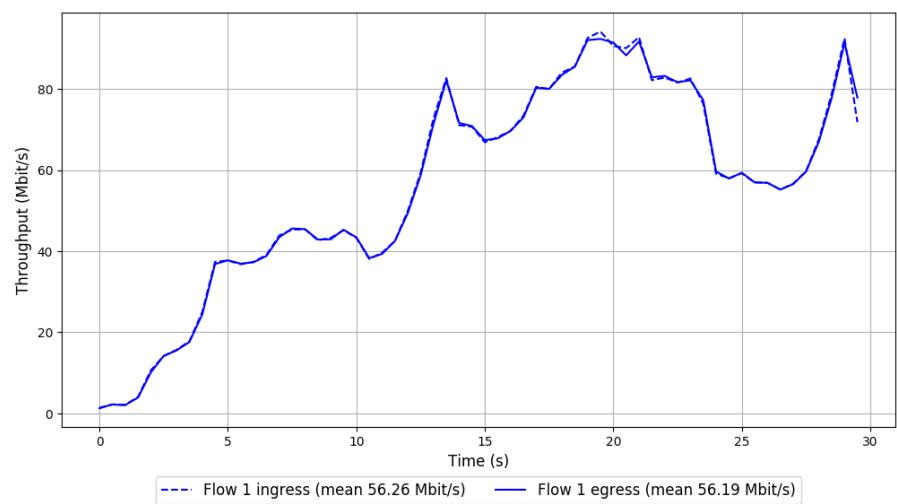


Run 5: Statistics of Vivace-latency

Start at: 2018-01-16 15:45:09
End at: 2018-01-16 15:45:39
Local clock offset: -0.059 ms
Remote clock offset: -7.901 ms

Below is generated by plot.py at 2018-01-16 19:12:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 33.668 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 33.668 ms
Loss rate: 0.14%

Run 5: Report of Vivace-latency — Data Link

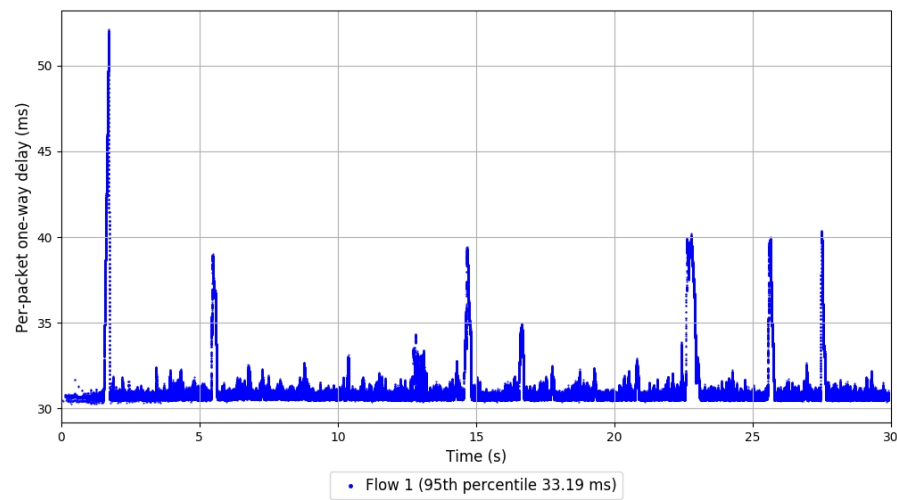
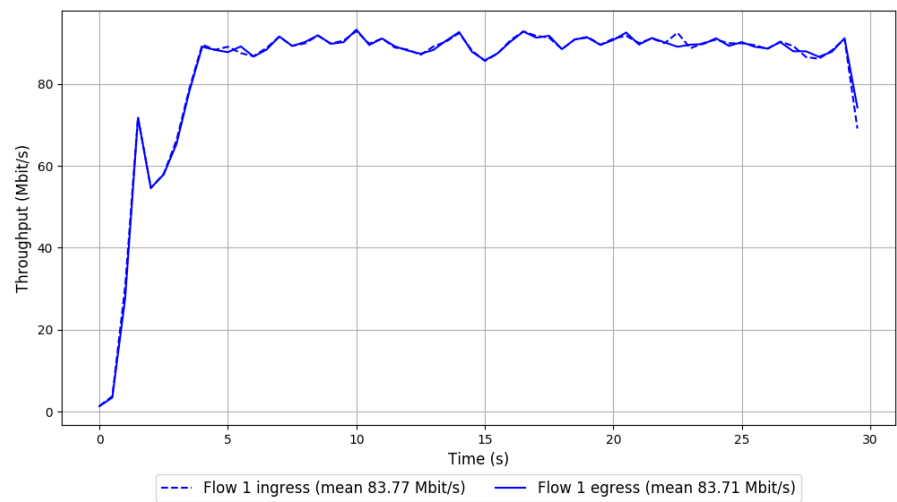


Run 6: Statistics of Vivace-latency

Start at: 2018-01-16 16:10:46
End at: 2018-01-16 16:11:16
Local clock offset: 0.038 ms
Remote clock offset: -5.182 ms

Below is generated by plot.py at 2018-01-16 19:12:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 33.187 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 33.187 ms
Loss rate: 0.08%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

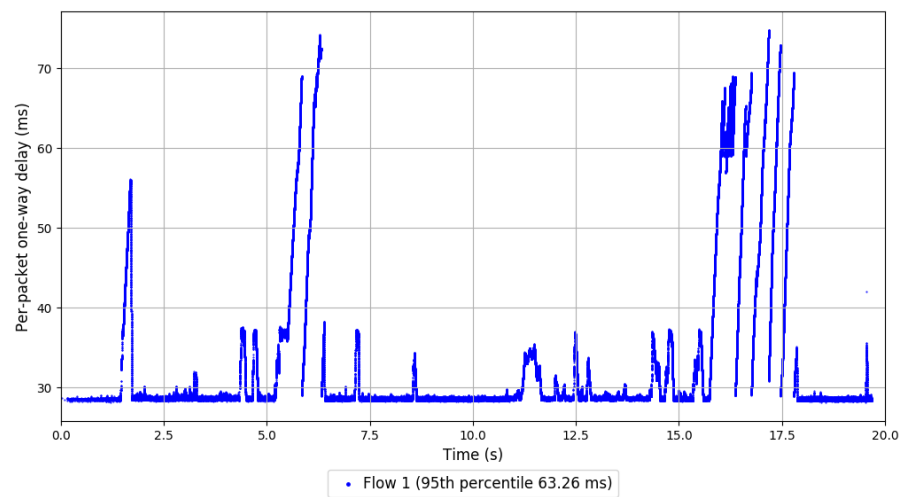
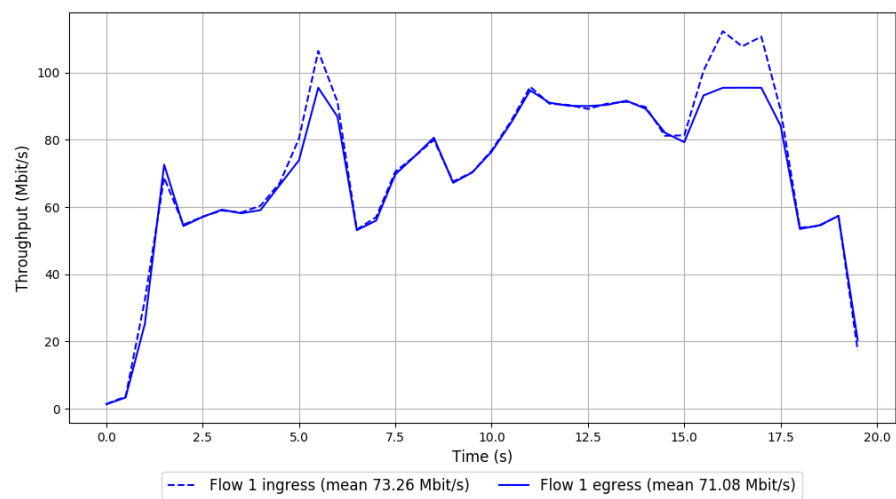
Start at: 2018-01-16 16:36:02

End at: 2018-01-16 16:36:32

Local clock offset: -0.044 ms

Remote clock offset: -5.979 ms

Run 7: Report of Vivace-latency — Data Link

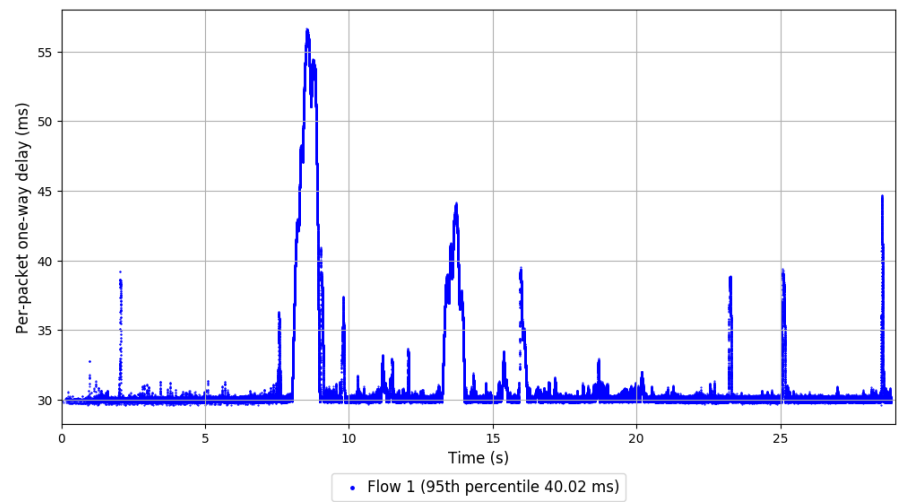
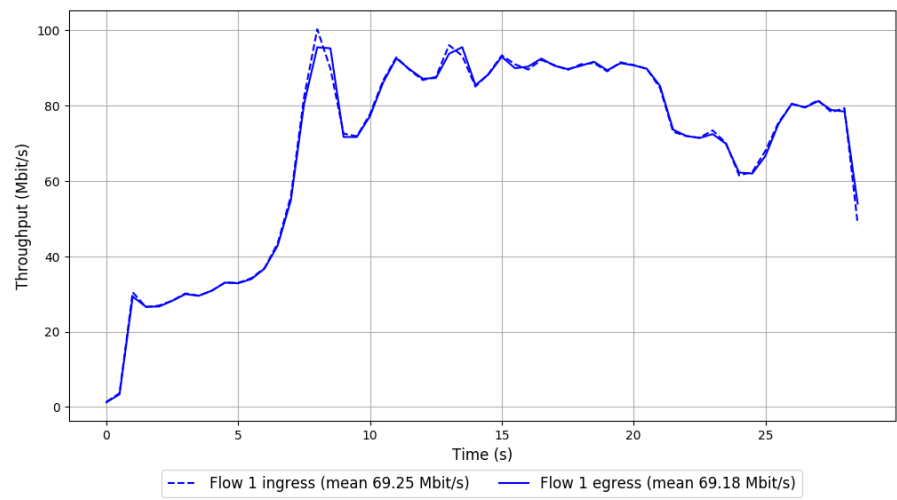


Run 8: Statistics of Vivace-latency

Start at: 2018-01-16 17:01:41
End at: 2018-01-16 17:02:11
Local clock offset: 0.114 ms
Remote clock offset: -0.518 ms

Below is generated by plot.py at 2018-01-16 19:12:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.18 Mbit/s
95th percentile per-packet one-way delay: 40.022 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 69.18 Mbit/s
95th percentile per-packet one-way delay: 40.022 ms
Loss rate: 0.11%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-16 17:28:38

End at: 2018-01-16 17:29:08

Local clock offset: 0.163 ms

Remote clock offset: 0.668 ms

Below is generated by plot.py at 2018-01-16 19:12:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.71 Mbit/s

95th percentile per-packet one-way delay: 32.658 ms

Loss rate: 0.25%

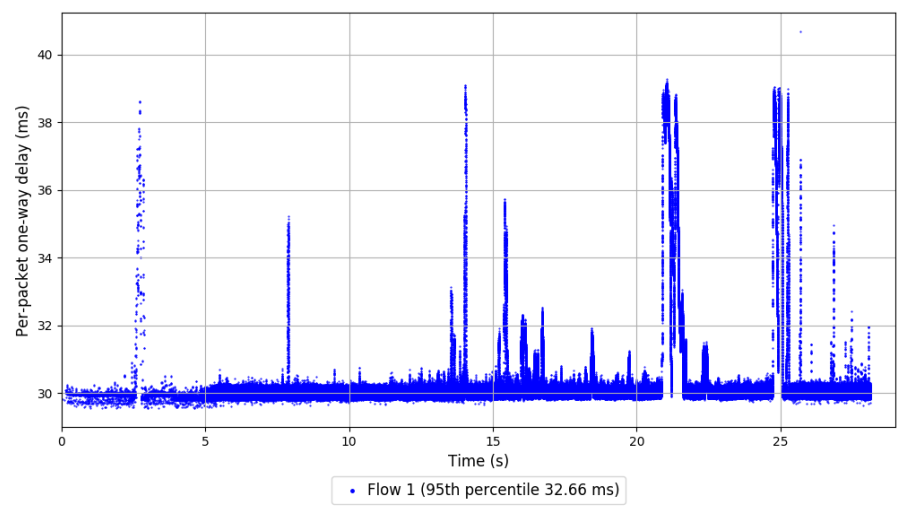
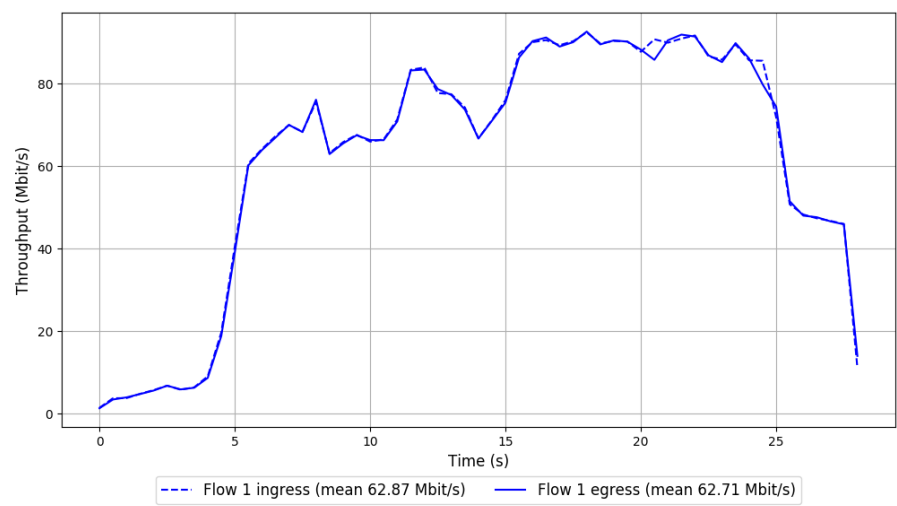
-- Flow 1:

Average throughput: 62.71 Mbit/s

95th percentile per-packet one-way delay: 32.658 ms

Loss rate: 0.25%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-01-16 17:56:11

End at: 2018-01-16 17:56:41

Local clock offset: 0.109 ms

Remote clock offset: -3.41 ms

Below is generated by plot.py at 2018-01-16 19:12:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.28 Mbit/s

95th percentile per-packet one-way delay: 33.958 ms

Loss rate: 0.27%

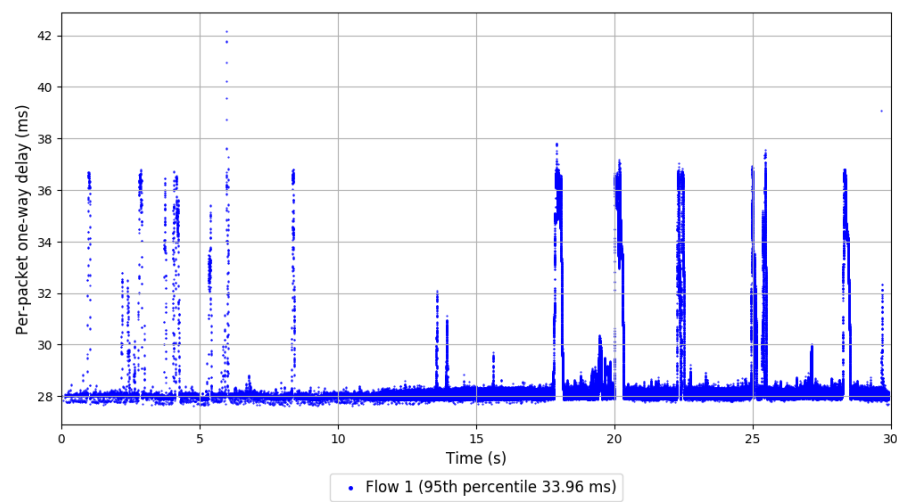
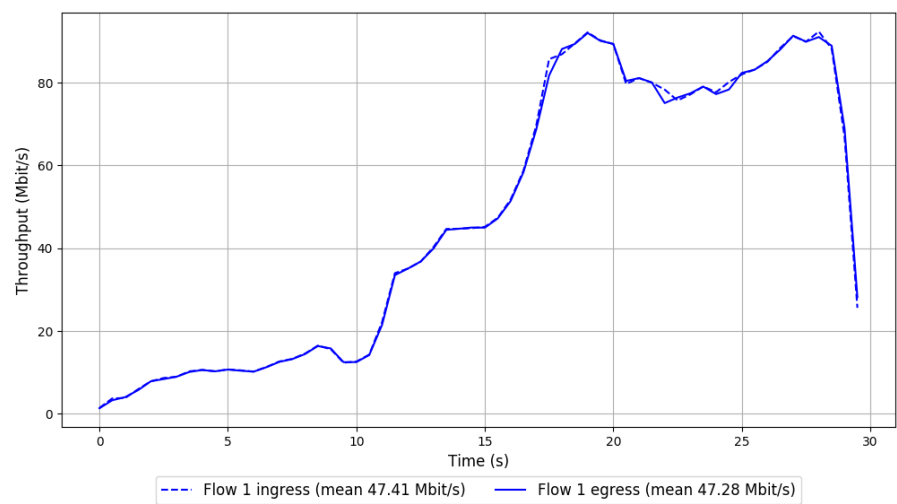
-- Flow 1:

Average throughput: 47.28 Mbit/s

95th percentile per-packet one-way delay: 33.958 ms

Loss rate: 0.27%

Run 10: Report of Vivace-latency — Data Link

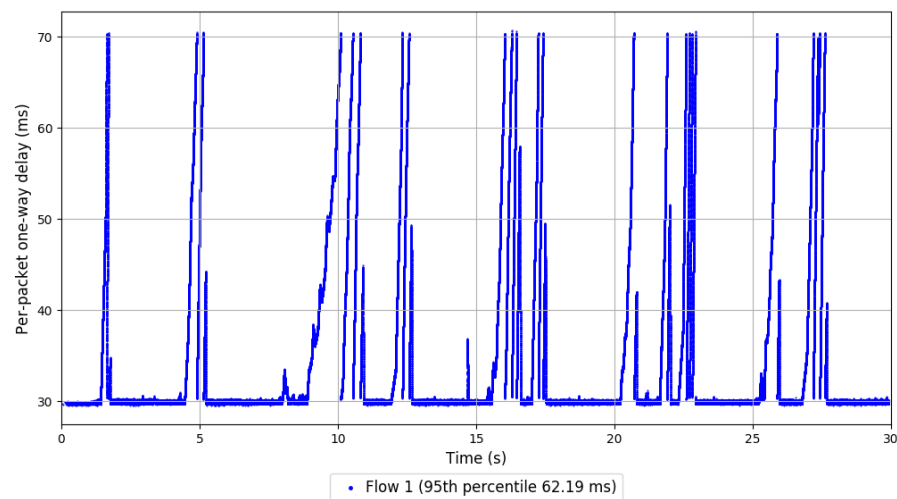
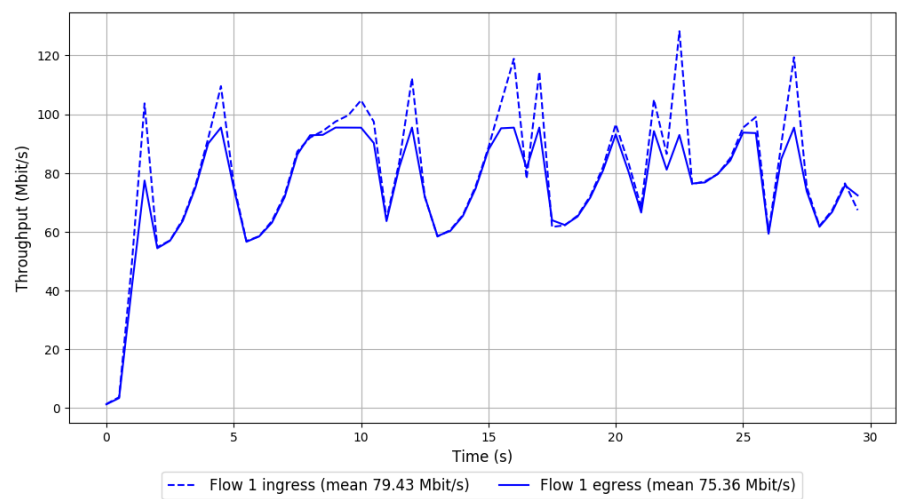


Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 14:03:20
End at: 2018-01-16 14:03:50
Local clock offset: -0.225 ms
Remote clock offset: -3.798 ms

Below is generated by plot.py at 2018-01-16 19:13:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 62.186 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 62.186 ms
Loss rate: 5.11%

Run 1: Report of Vivace-loss — Data Link

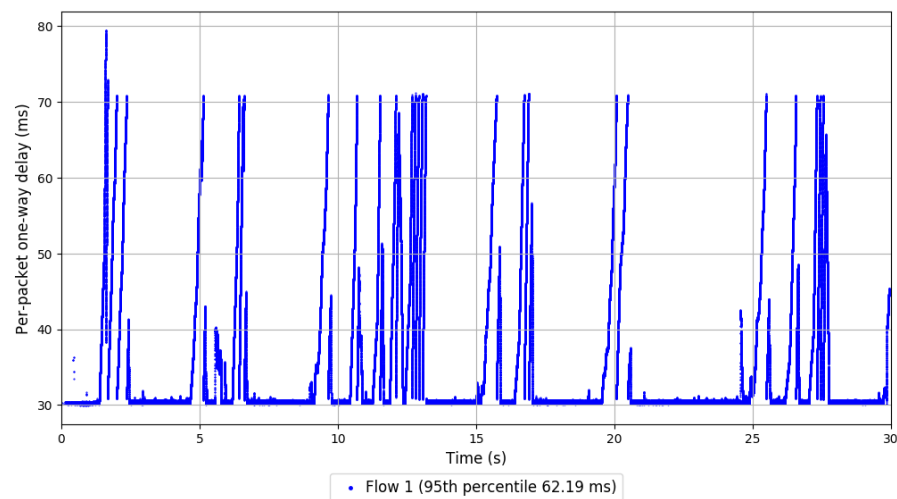
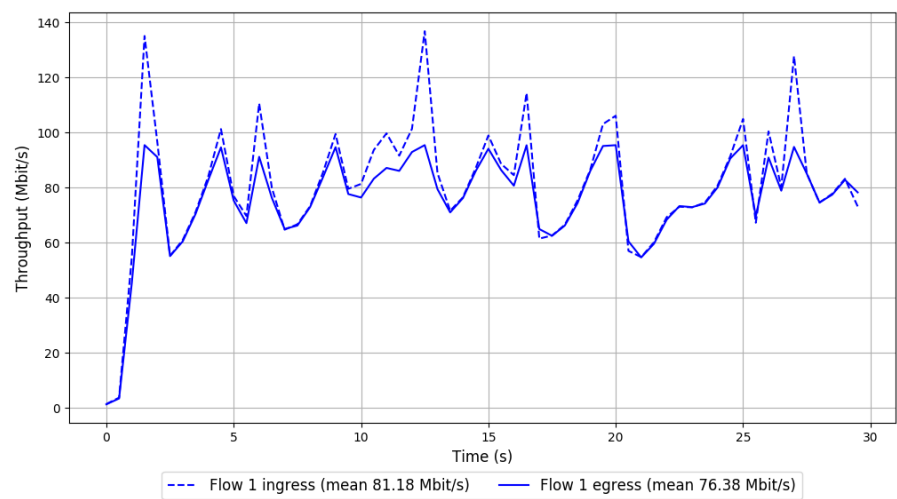


Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 14:27:40
End at: 2018-01-16 14:28:10
Local clock offset: -0.139 ms
Remote clock offset: -3.654 ms

Below is generated by plot.py at 2018-01-16 19:13:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.38 Mbit/s
95th percentile per-packet one-way delay: 62.187 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 76.38 Mbit/s
95th percentile per-packet one-way delay: 62.187 ms
Loss rate: 5.86%

Run 2: Report of Vivace-loss — Data Link

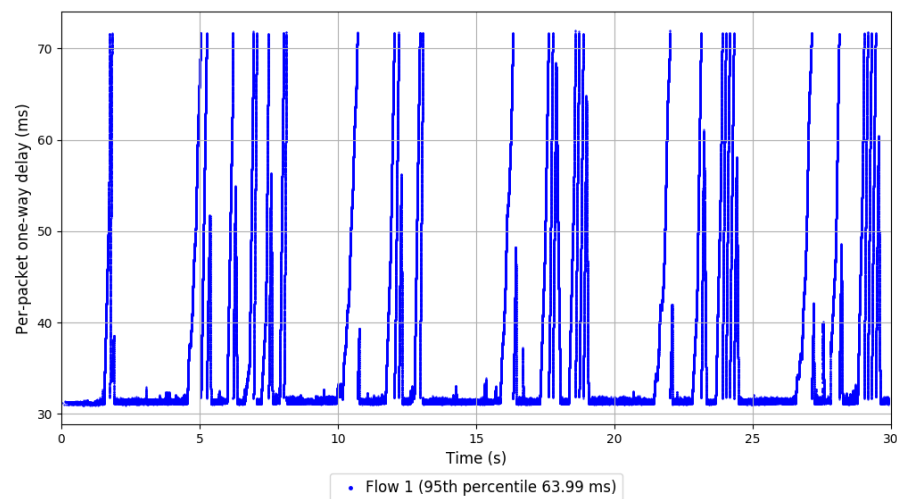
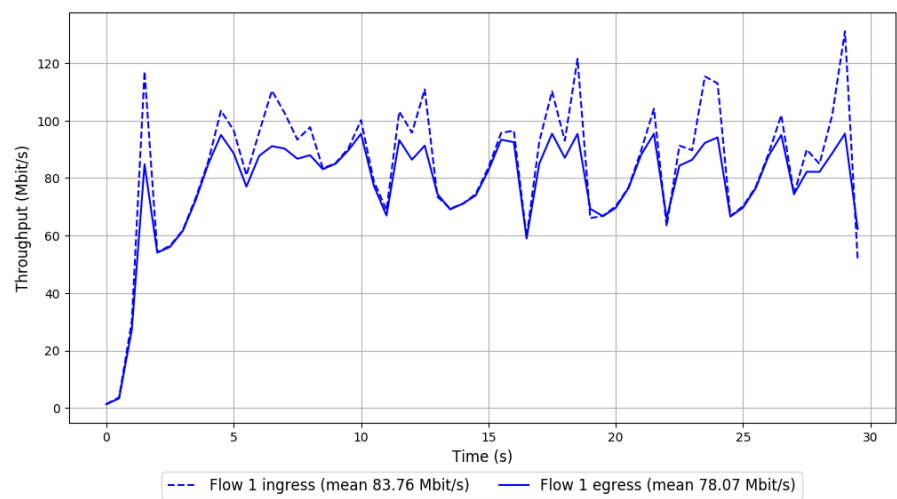


Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 14:51:57
End at: 2018-01-16 14:52:27
Local clock offset: -0.165 ms
Remote clock offset: -3.896 ms

Below is generated by plot.py at 2018-01-16 19:13:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 63.994 ms
Loss rate: 6.79%
-- Flow 1:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 63.994 ms
Loss rate: 6.79%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-16 15:17:27

End at: 2018-01-16 15:17:57

Local clock offset: 0.023 ms

Remote clock offset: -7.012 ms

Below is generated by plot.py at 2018-01-16 19:13:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.16 Mbit/s

95th percentile per-packet one-way delay: 62.486 ms

Loss rate: 3.64%

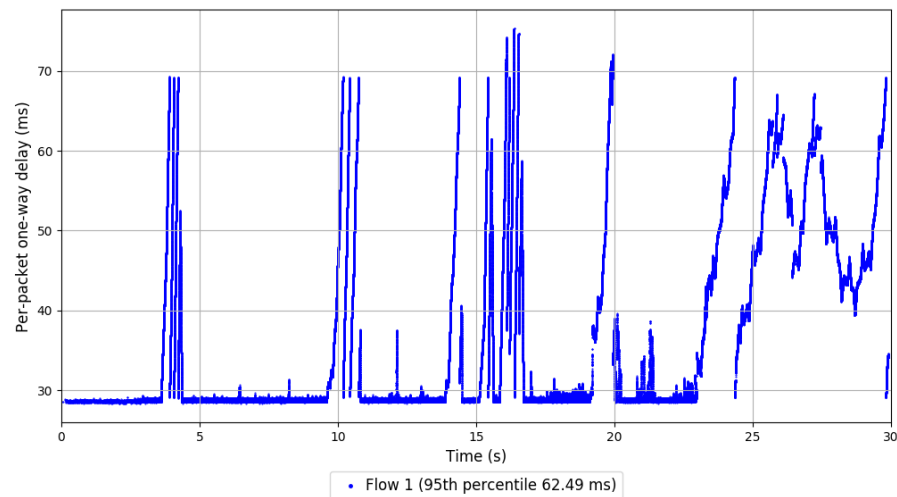
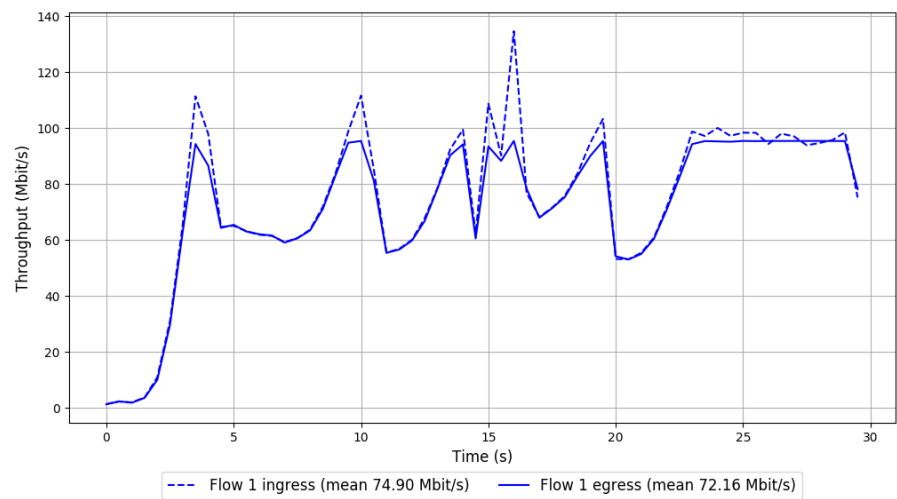
-- Flow 1:

Average throughput: 72.16 Mbit/s

95th percentile per-packet one-way delay: 62.486 ms

Loss rate: 3.64%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-16 15:43:35

End at: 2018-01-16 15:44:05

Local clock offset: 0.044 ms

Remote clock offset: -5.429 ms

Below is generated by plot.py at 2018-01-16 19:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.29 Mbit/s

95th percentile per-packet one-way delay: 61.872 ms

Loss rate: 2.78%

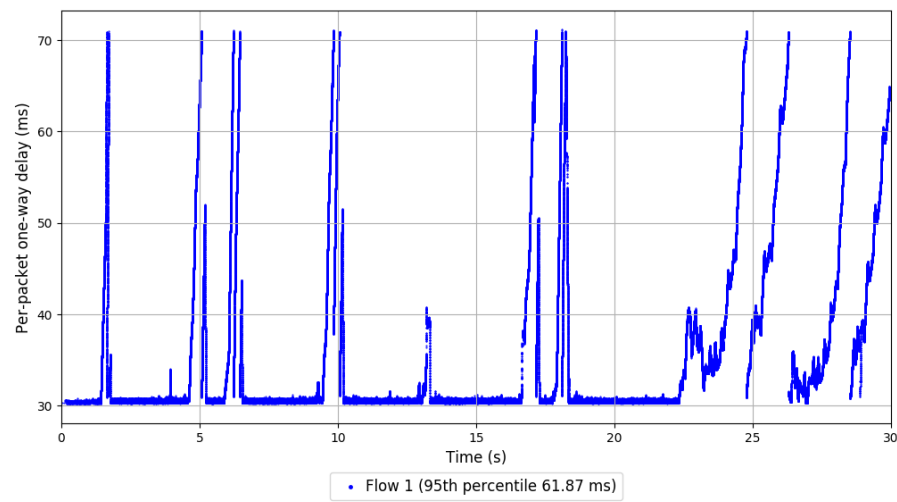
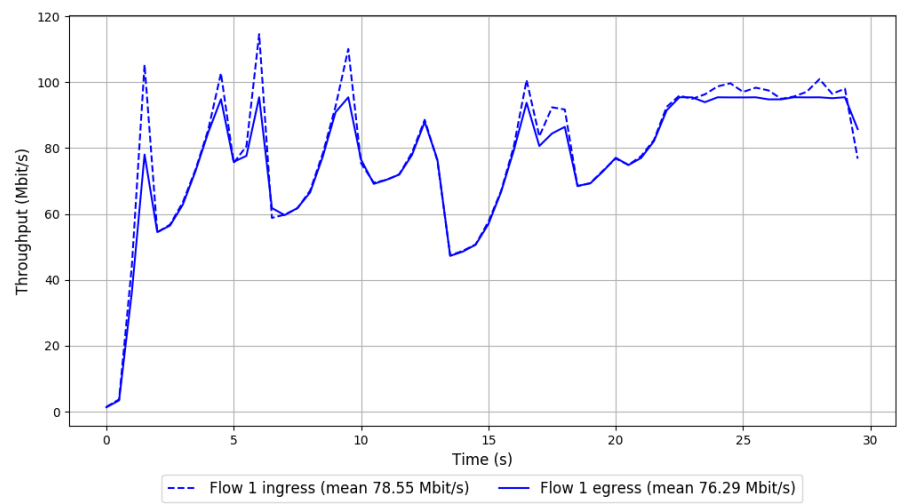
-- Flow 1:

Average throughput: 76.29 Mbit/s

95th percentile per-packet one-way delay: 61.872 ms

Loss rate: 2.78%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-16 16:09:22

End at: 2018-01-16 16:09:52

Local clock offset: -0.001 ms

Remote clock offset: -5.27 ms

Below is generated by plot.py at 2018-01-16 19:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.83 Mbit/s

95th percentile per-packet one-way delay: 62.927 ms

Loss rate: 4.55%

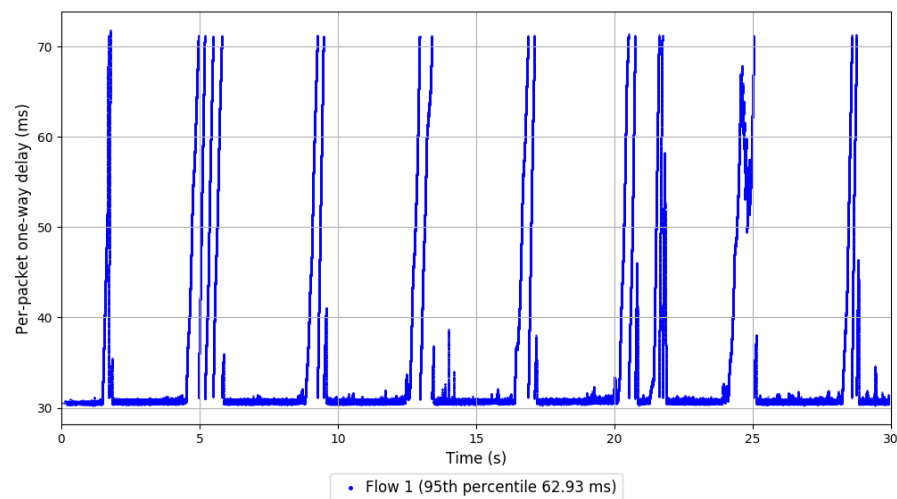
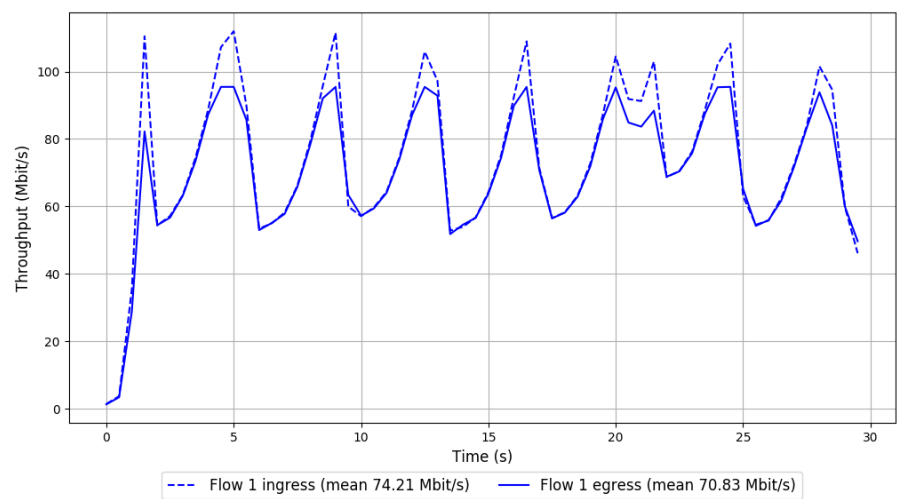
-- Flow 1:

Average throughput: 70.83 Mbit/s

95th percentile per-packet one-way delay: 62.927 ms

Loss rate: 4.55%

Run 6: Report of Vivace-loss — Data Link

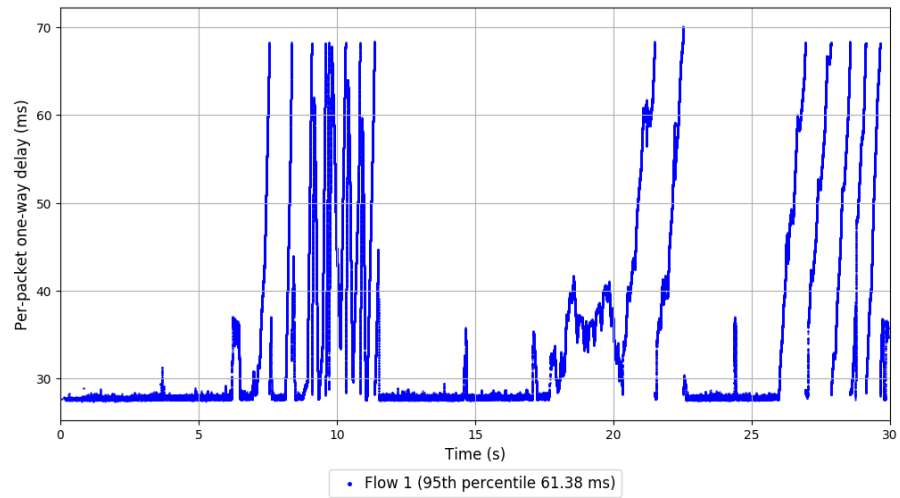
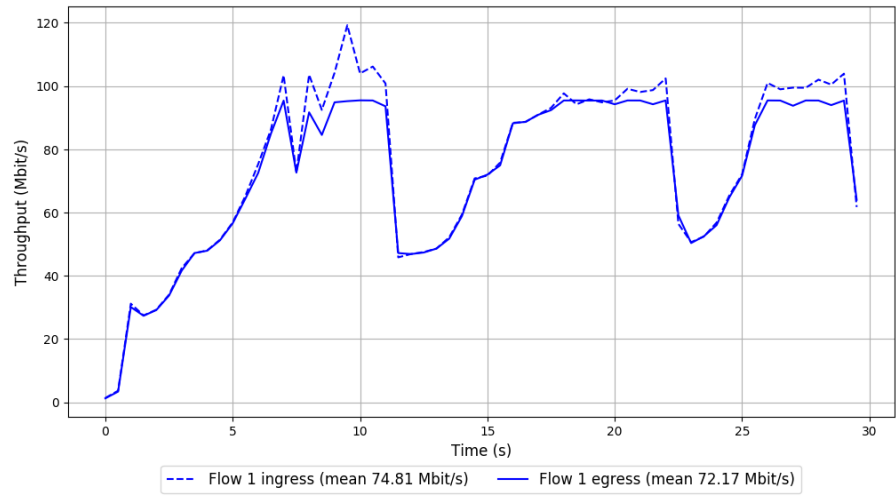


Run 7: Statistics of Vivace-loss

Start at: 2018-01-16 16:34:30
End at: 2018-01-16 16:35:00
Local clock offset: 0.03 ms
Remote clock offset: -6.088 ms

Below is generated by plot.py at 2018-01-16 19:14:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.17 Mbit/s
95th percentile per-packet one-way delay: 61.384 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 72.17 Mbit/s
95th percentile per-packet one-way delay: 61.384 ms
Loss rate: 3.51%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-16 17:00:05

End at: 2018-01-16 17:00:35

Local clock offset: 0.09 ms

Remote clock offset: -0.765 ms

Below is generated by plot.py at 2018-01-16 19:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 62.458 ms

Loss rate: 3.18%

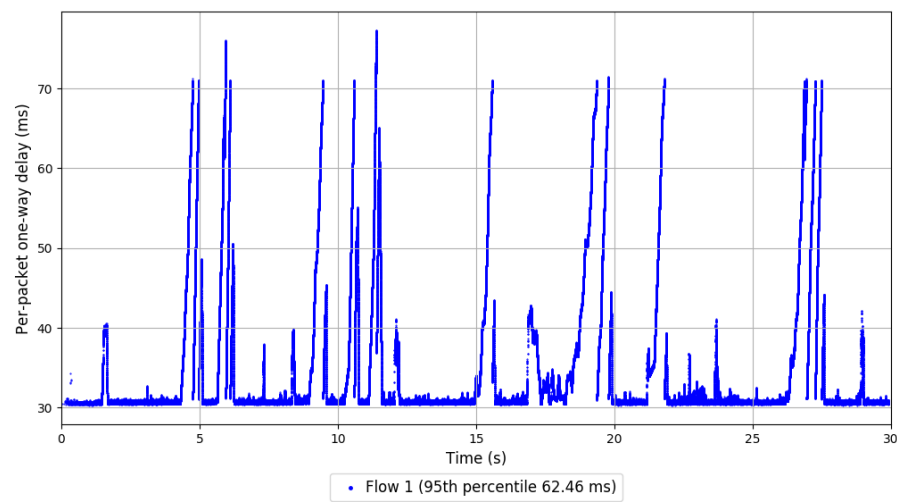
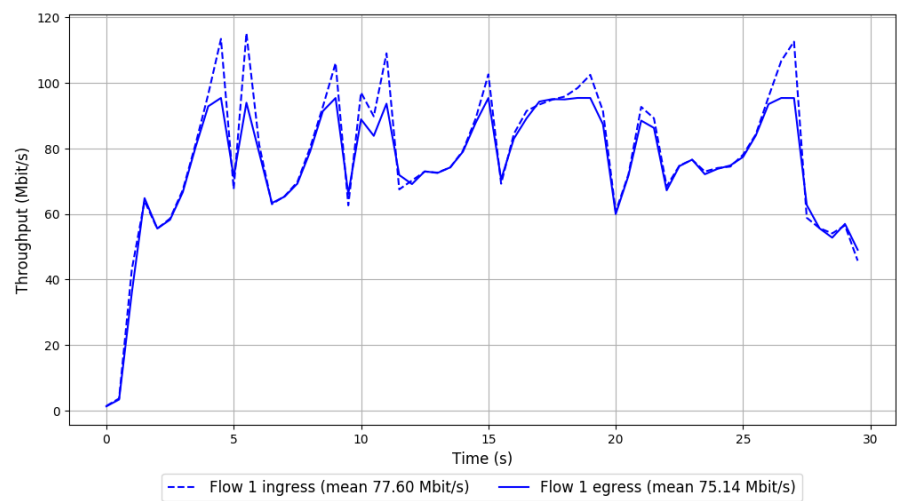
-- Flow 1:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 62.458 ms

Loss rate: 3.18%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-16 17:27:03

End at: 2018-01-16 17:27:33

Local clock offset: 0.174 ms

Remote clock offset: -1.375 ms

Below is generated by plot.py at 2018-01-16 19:15:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.70 Mbit/s

95th percentile per-packet one-way delay: 45.365 ms

Loss rate: 1.61%

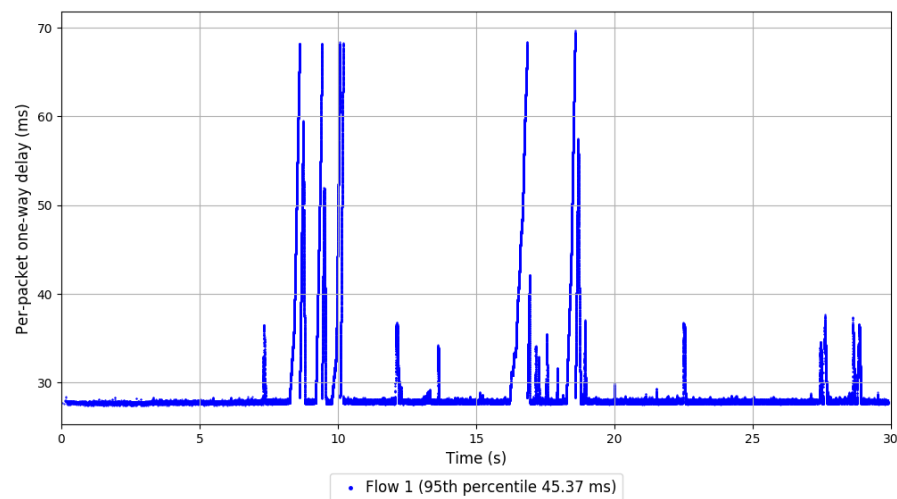
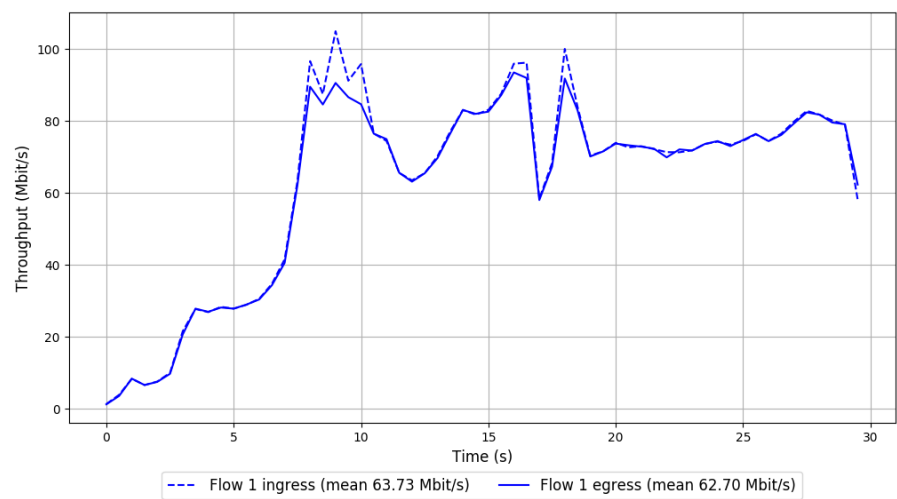
-- Flow 1:

Average throughput: 62.70 Mbit/s

95th percentile per-packet one-way delay: 45.365 ms

Loss rate: 1.61%

Run 9: Report of Vivace-loss — Data Link

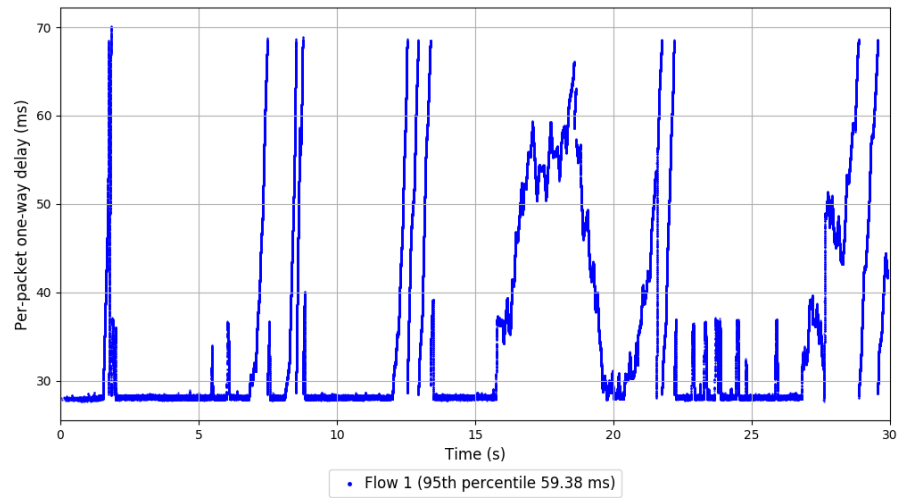
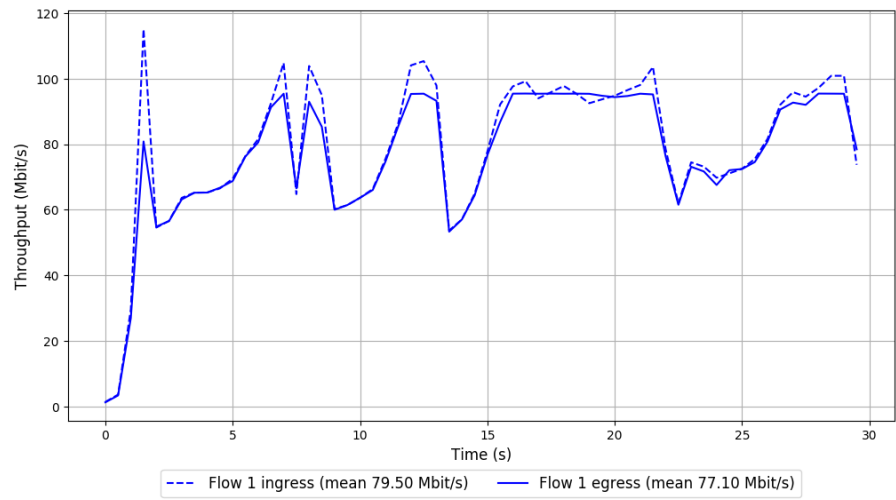


Run 10: Statistics of Vivace-loss

Start at: 2018-01-16 17:54:20
End at: 2018-01-16 17:54:50
Local clock offset: 0.131 ms
Remote clock offset: -3.345 ms

Below is generated by plot.py at 2018-01-16 19:15:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.10 Mbit/s
95th percentile per-packet one-way delay: 59.375 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 77.10 Mbit/s
95th percentile per-packet one-way delay: 59.375 ms
Loss rate: 2.98%

Run 10: Report of Vivace-loss — Data Link

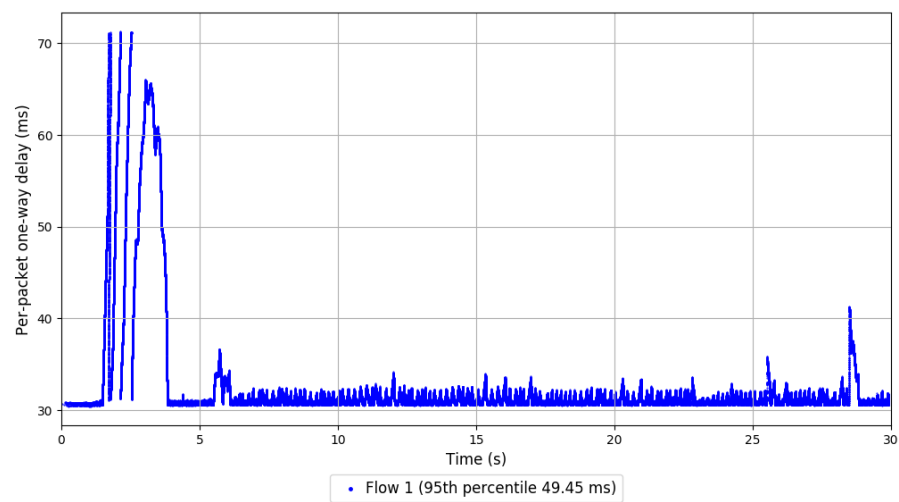
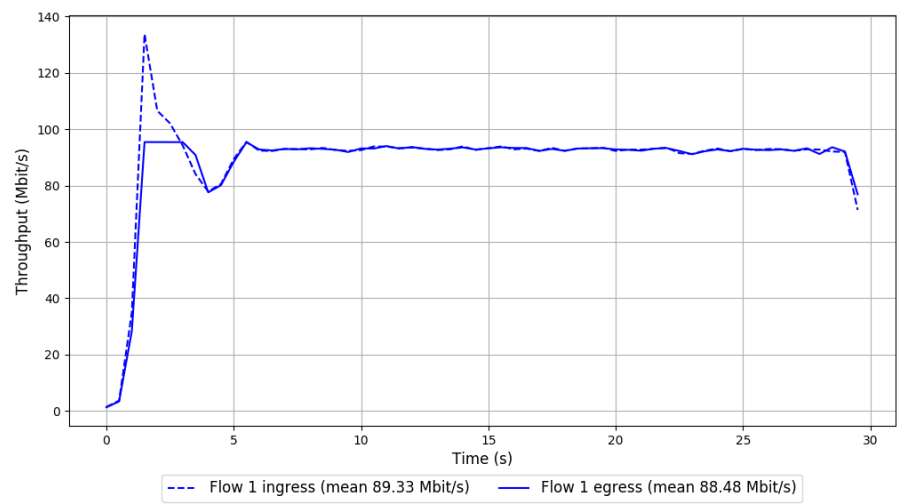


Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 14:14:08
End at: 2018-01-16 14:14:38
Local clock offset: -0.184 ms
Remote clock offset: -3.749 ms

Below is generated by plot.py at 2018-01-16 19:16:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 49.452 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 49.452 ms
Loss rate: 0.95%

Run 1: Report of Vivace-LTE — Data Link

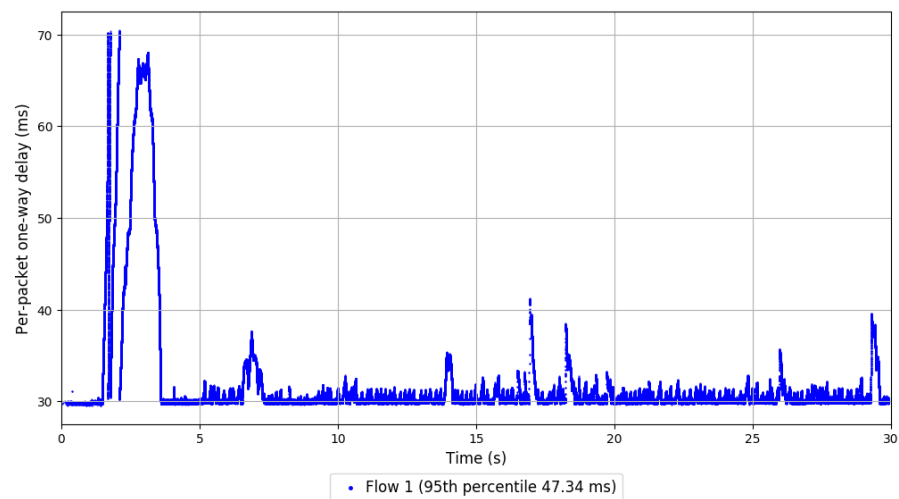
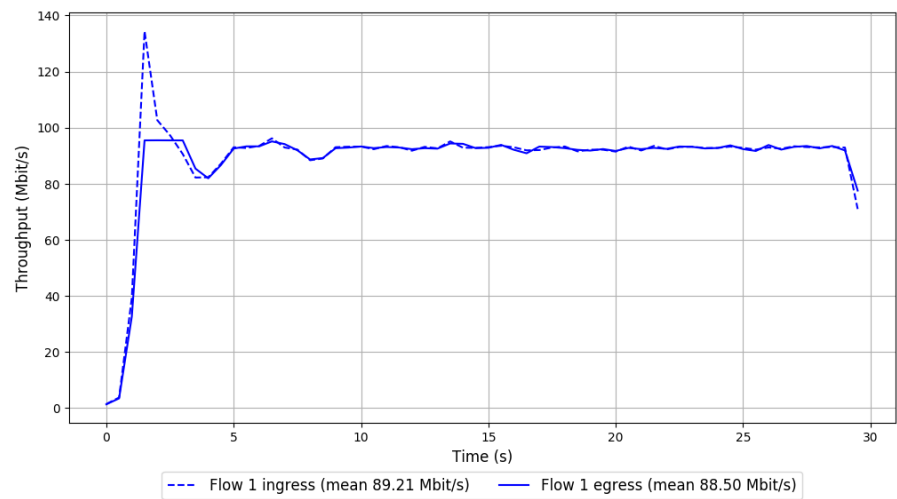


Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 14:38:27
End at: 2018-01-16 14:38:57
Local clock offset: -0.102 ms
Remote clock offset: -4.326 ms

Below is generated by plot.py at 2018-01-16 19:16:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 47.343 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 47.343 ms
Loss rate: 0.80%

Run 2: Report of Vivace-LTE — Data Link

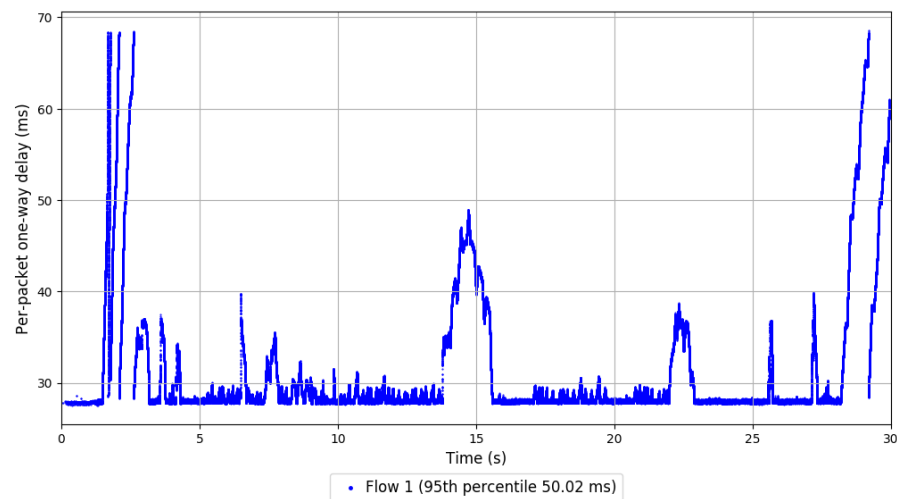
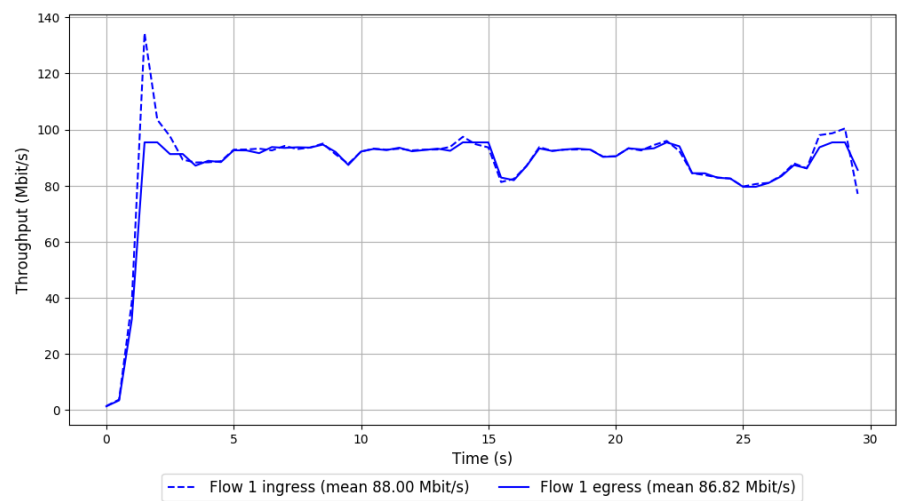


Run 3: Statistics of Vivace-LTE

Start at: 2018-01-16 15:03:05
End at: 2018-01-16 15:03:35
Local clock offset: -0.1 ms
Remote clock offset: -6.654 ms

Below is generated by plot.py at 2018-01-16 19:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 50.019 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 50.019 ms
Loss rate: 1.24%

Run 3: Report of Vivace-LTE — Data Link

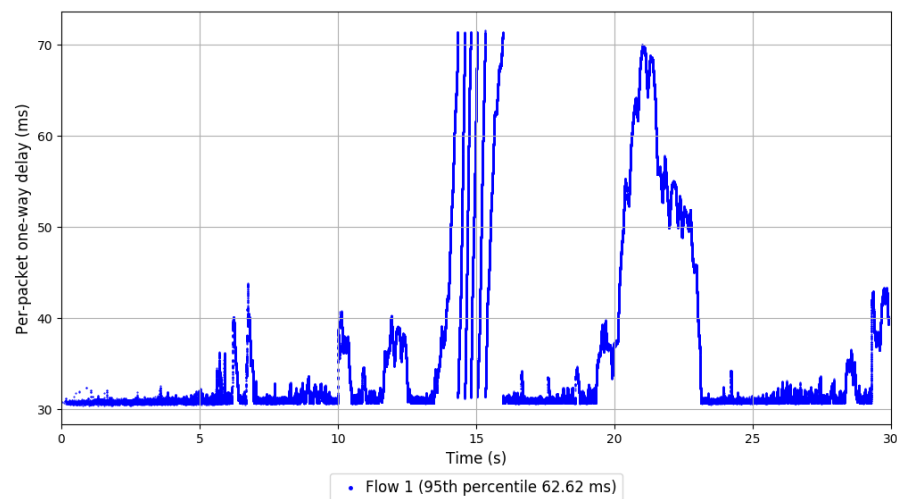
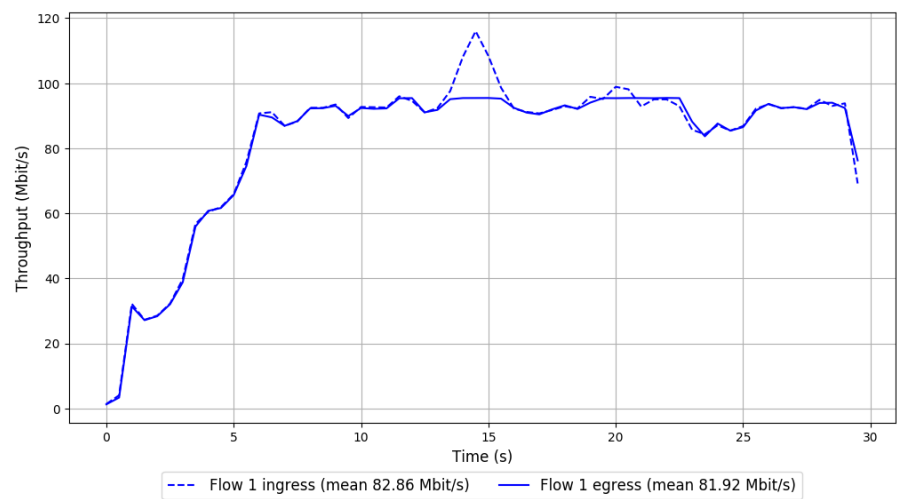


Run 4: Statistics of Vivace-LTE

Start at: 2018-01-16 15:28:49
End at: 2018-01-16 15:29:19
Local clock offset: -0.025 ms
Remote clock offset: -5.451 ms

Below is generated by plot.py at 2018-01-16 19:16:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 62.616 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 62.616 ms
Loss rate: 1.12%

Run 4: Report of Vivace-LTE — Data Link

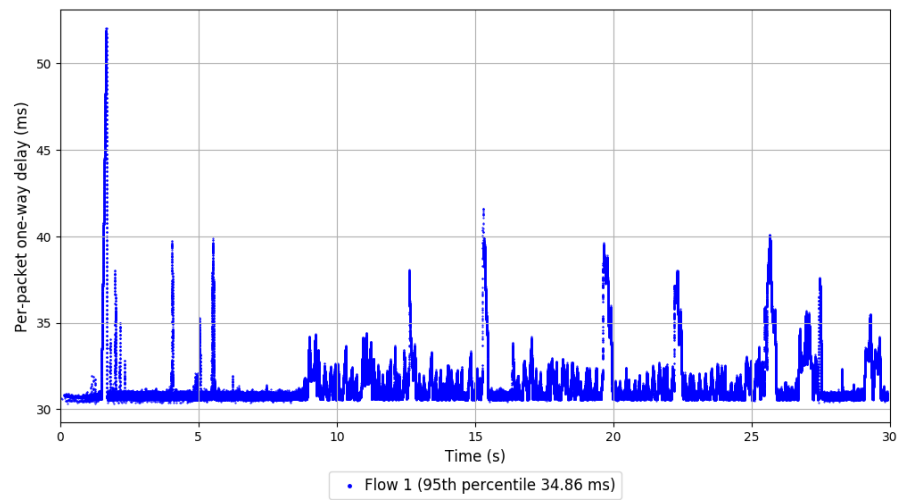
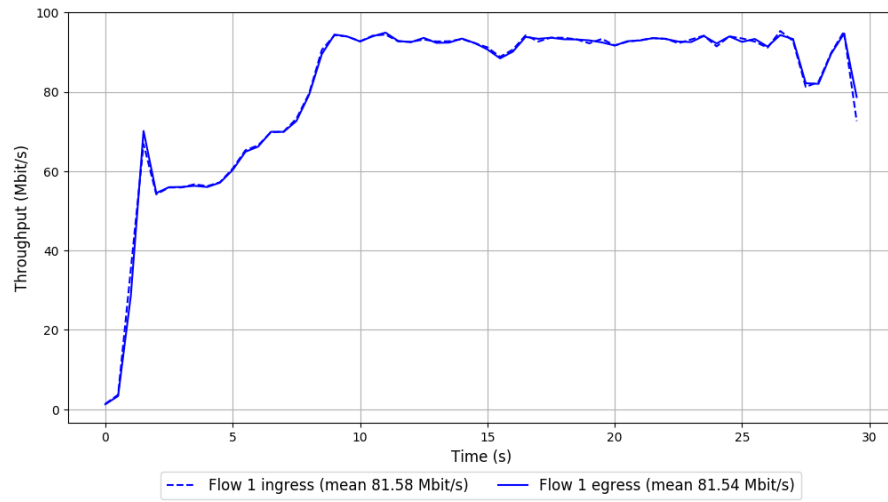


Run 5: Statistics of Vivace-LTE

Start at: 2018-01-16 15:55:14
End at: 2018-01-16 15:55:44
Local clock offset: 0.033 ms
Remote clock offset: -5.459 ms

Below is generated by plot.py at 2018-01-16 19:16:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.54 Mbit/s
95th percentile per-packet one-way delay: 34.860 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 81.54 Mbit/s
95th percentile per-packet one-way delay: 34.860 ms
Loss rate: 0.05%

Run 5: Report of Vivace-LTE — Data Link

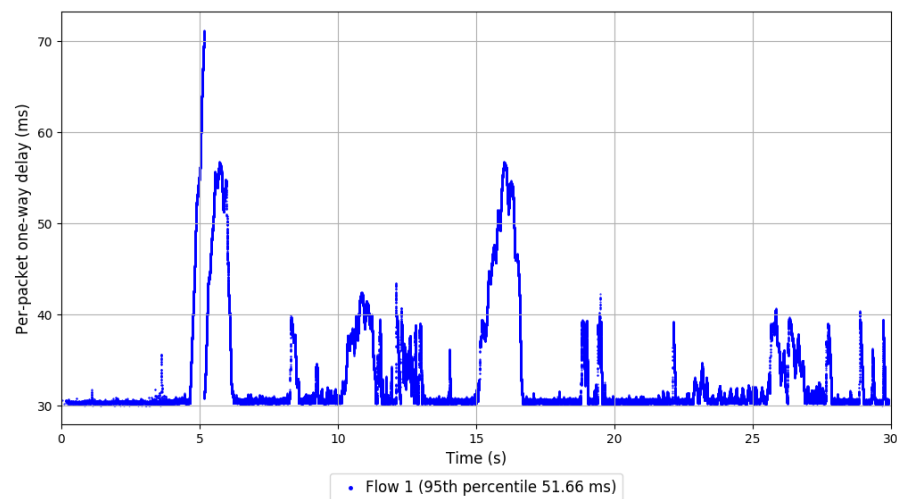
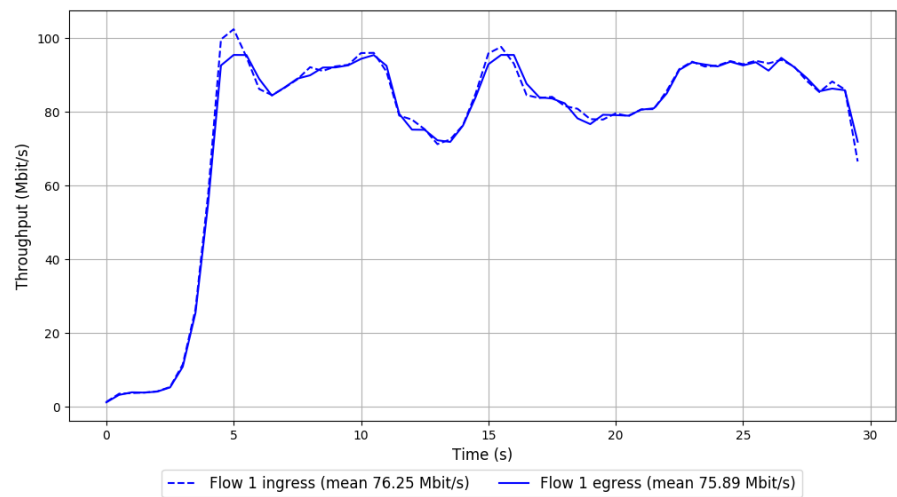


Run 6: Statistics of Vivace-LTE

Start at: 2018-01-16 16:20:09
End at: 2018-01-16 16:20:39
Local clock offset: 0.0 ms
Remote clock offset: -4.293 ms

Below is generated by plot.py at 2018-01-16 19:16:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.89 Mbit/s
95th percentile per-packet one-way delay: 51.663 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 75.89 Mbit/s
95th percentile per-packet one-way delay: 51.663 ms
Loss rate: 0.47%

Run 6: Report of Vivace-LTE — Data Link

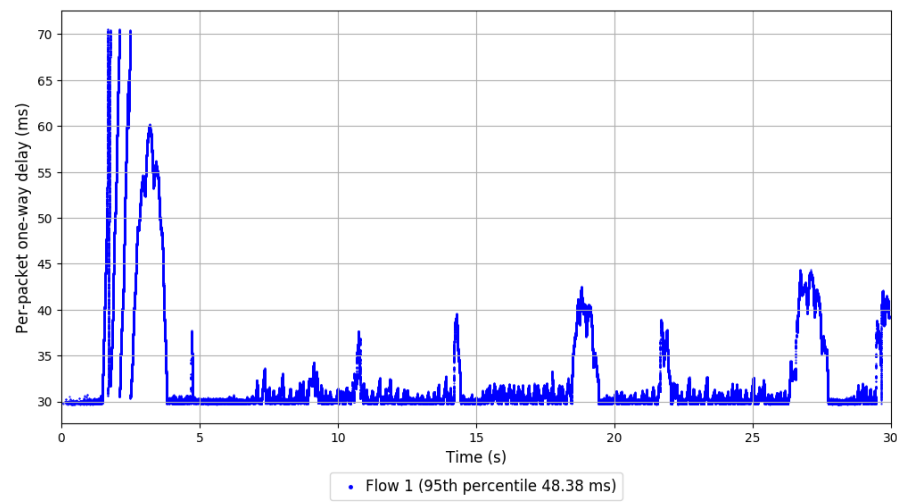
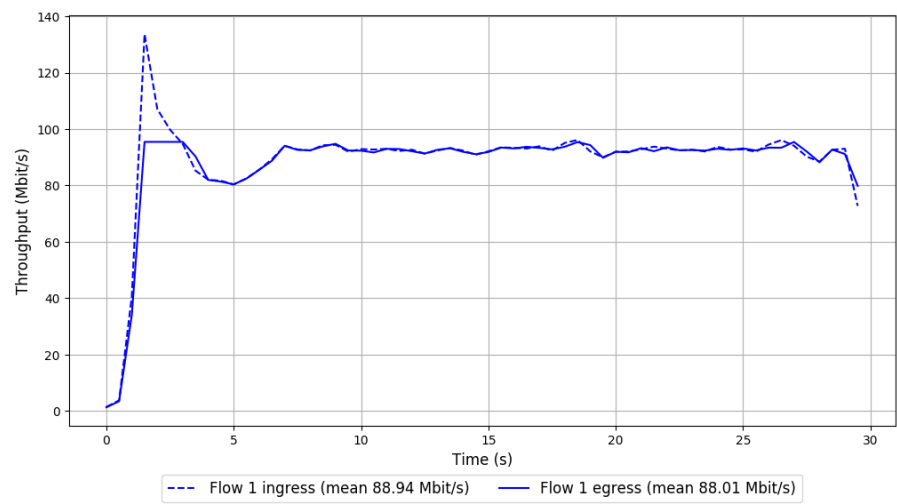


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-16 16:45:46
End at: 2018-01-16 16:46:16
Local clock offset: 0.089 ms
Remote clock offset: -2.254 ms

Below is generated by plot.py at 2018-01-16 19:17:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 48.385 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 48.385 ms
Loss rate: 1.02%

Run 7: Report of Vivace-LTE — Data Link

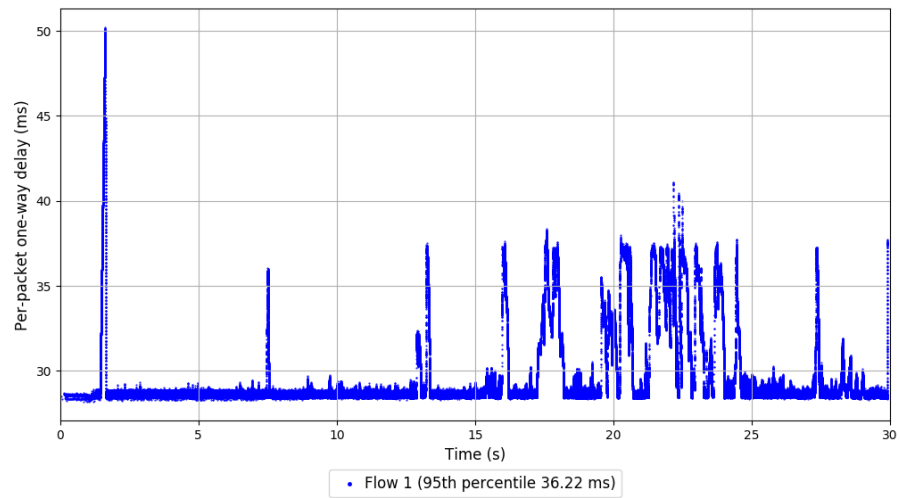
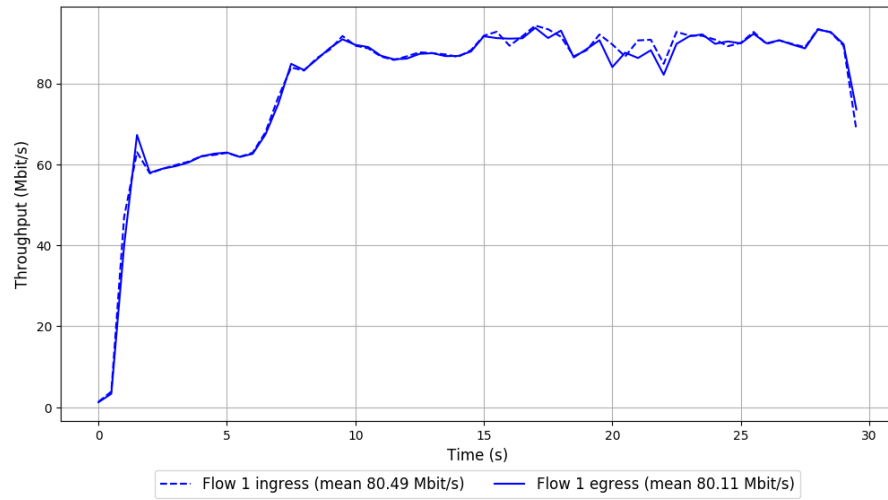


Run 8: Statistics of Vivace-LTE

Start at: 2018-01-16 17:11:36
End at: 2018-01-16 17:12:06
Local clock offset: 0.052 ms
Remote clock offset: -2.043 ms

Below is generated by plot.py at 2018-01-16 19:17:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 36.224 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 36.224 ms
Loss rate: 0.45%

Run 8: Report of Vivace-LTE — Data Link

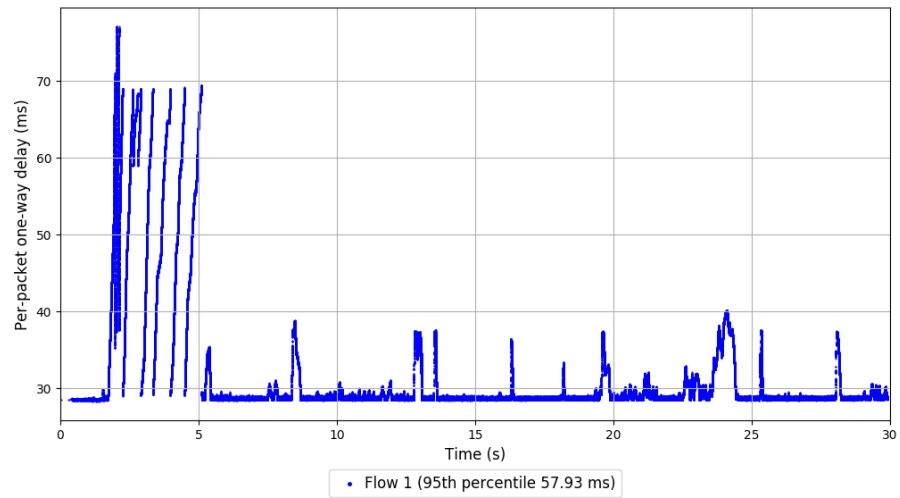
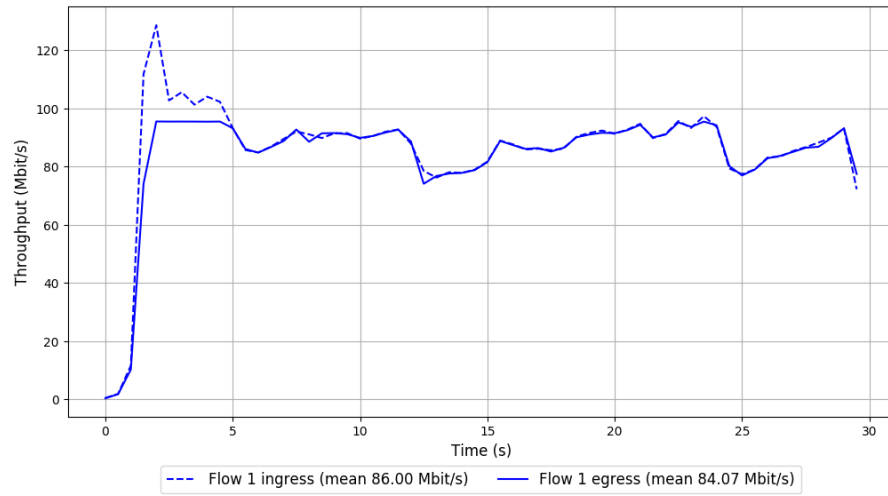


Run 9: Statistics of Vivace-LTE

Start at: 2018-01-16 17:38:58
End at: 2018-01-16 17:39:28
Local clock offset: 0.218 ms
Remote clock offset: -2.338 ms

Below is generated by plot.py at 2018-01-16 19:17:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 57.933 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 57.933 ms
Loss rate: 2.25%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-16 18:06:03

End at: 2018-01-16 18:06:33

Local clock offset: -0.293 ms

Remote clock offset: -1.556 ms

Below is generated by plot.py at 2018-01-16 19:17:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.32 Mbit/s

95th percentile per-packet one-way delay: 46.810 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 73.32 Mbit/s

95th percentile per-packet one-way delay: 46.810 ms

Loss rate: 0.05%

Run 10: Report of Vivace-LTE — Data Link

