

Pantheon Report

Generated at 2018-01-16 17:48:05 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

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).

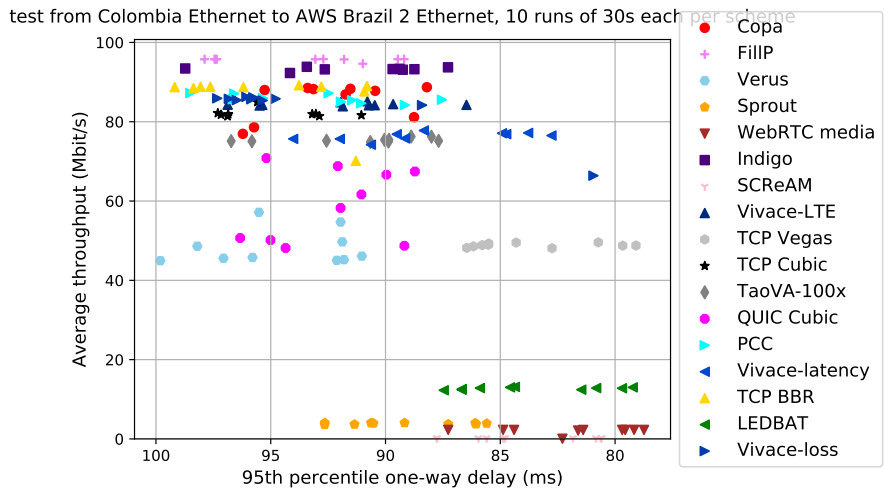
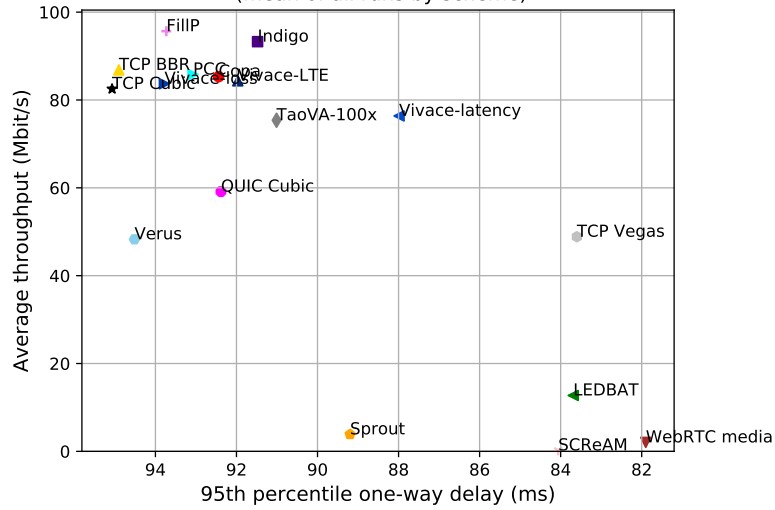
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** 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 @ f1a14bffe749737437f61b1eaaeb30b267cde681
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 Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	86.85	94.90	1.07
TCP Cubic	10	82.52	95.07	0.60
LEDBAT	10	12.73	83.69	1.11
PCC	10	85.80	93.07	0.64
QUIC Cubic	10	59.14	92.38	0.79
SCReAM	10	0.22	84.06	0.51
WebRTC media	10	2.04	81.90	0.58
Sprout	10	3.87	89.20	0.59
TaoVA-100x	10	75.39	91.01	0.61
TCP Vegas	10	48.86	83.60	0.64
Verus	10	48.28	94.52	1.48
Copa	10	85.31	92.44	0.62
FillP	10	95.66	93.73	0.60
Indigo	9	93.28	91.48	0.60
Vivace-latency	10	76.37	87.99	0.63
Vivace-loss	10	83.69	93.78	0.78
Vivace-LTE	10	84.37	91.97	0.62

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 10:13:22

End at: 2018-01-16 10:13:52

Local clock offset: 0.089 ms

Remote clock offset: -0.639 ms

Below is generated by plot.py at 2018-01-16 17:23:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.84 Mbit/s

95th percentile per-packet one-way delay: 92.797 ms

Loss rate: 0.65%

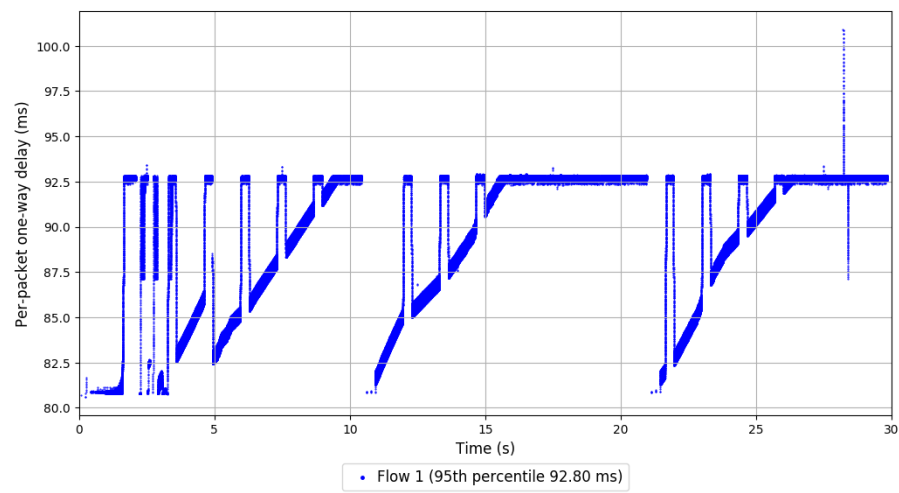
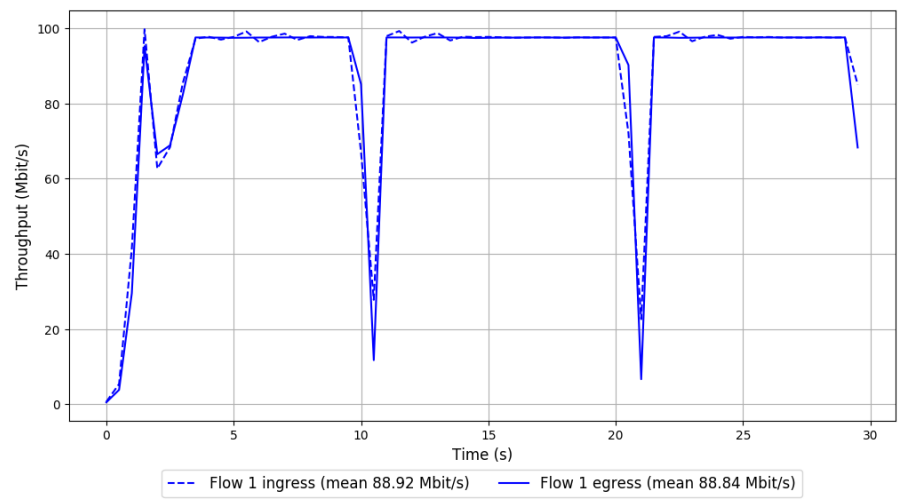
-- Flow 1:

Average throughput: 88.84 Mbit/s

95th percentile per-packet one-way delay: 92.797 ms

Loss rate: 0.65%

Run 1: Report of TCP BBR — Data Link

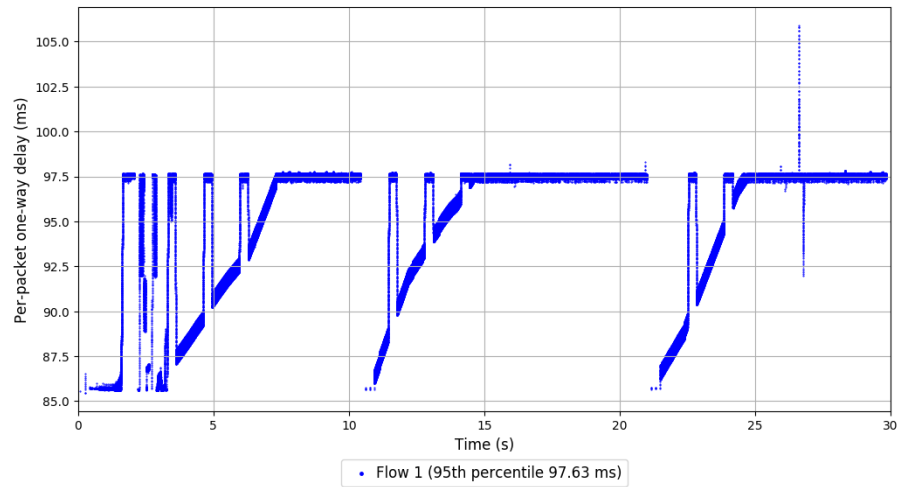
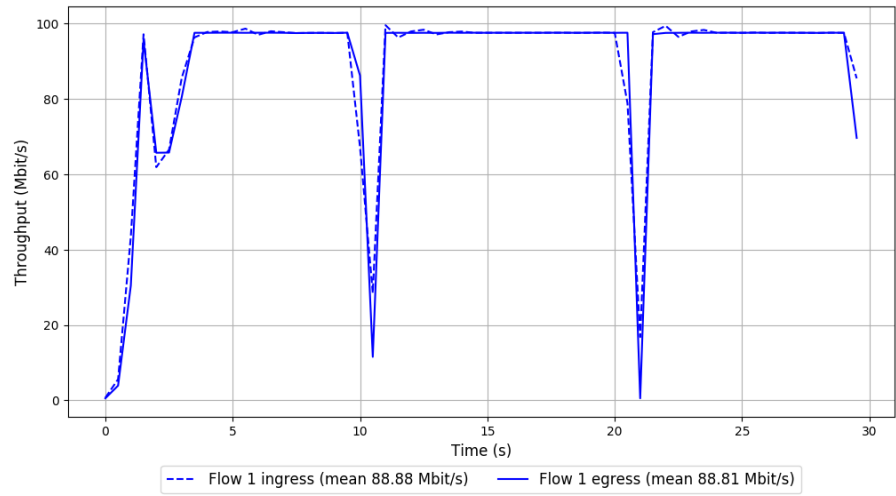


Run 2: Statistics of TCP BBR

Start at: 2018-01-16 10:35:33
End at: 2018-01-16 10:36:03
Local clock offset: -0.361 ms
Remote clock offset: -4.852 ms

Below is generated by plot.py at 2018-01-16 17:23:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 97.633 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 97.633 ms
Loss rate: 0.65%

Run 2: Report of TCP BBR — Data Link

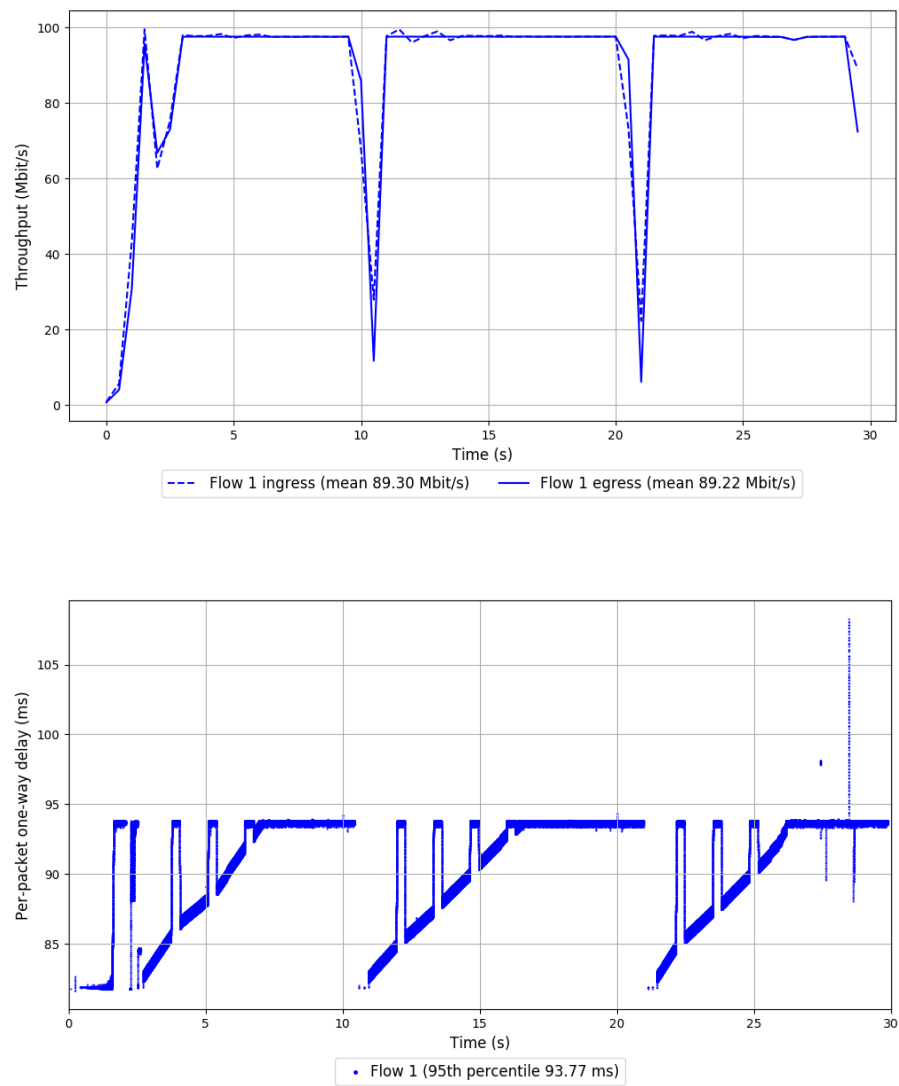


Run 3: Statistics of TCP BBR

Start at: 2018-01-16 10:57:44
End at: 2018-01-16 10:58:14
Local clock offset: -0.241 ms
Remote clock offset: -1.002 ms

Below is generated by plot.py at 2018-01-16 17:23:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.22 Mbit/s
95th percentile per-packet one-way delay: 93.768 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 89.22 Mbit/s
95th percentile per-packet one-way delay: 93.768 ms
Loss rate: 0.65%

Run 3: Report of TCP BBR — Data Link

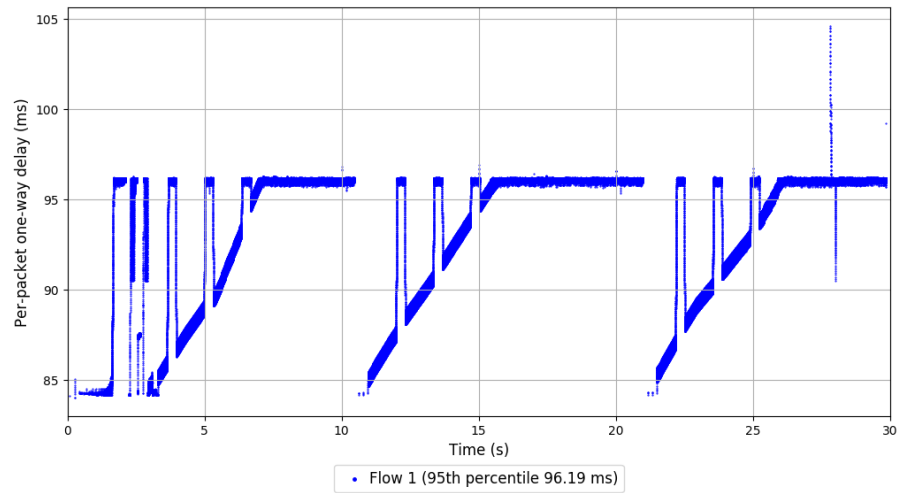
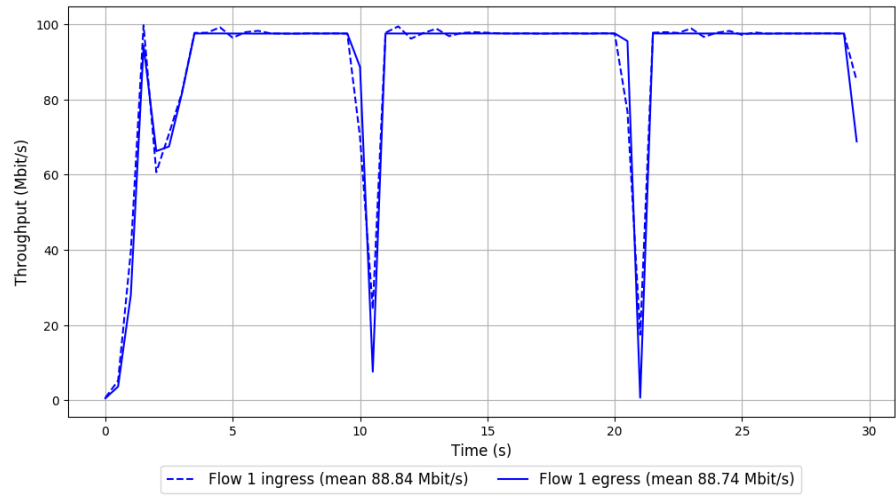


Run 4: Statistics of TCP BBR

Start at: 2018-01-16 11:19:55
End at: 2018-01-16 11:20:25
Local clock offset: -0.114 ms
Remote clock offset: -3.028 ms

Below is generated by plot.py at 2018-01-16 17:23:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 96.188 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 96.188 ms
Loss rate: 0.66%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-16 11:42:07

End at: 2018-01-16 11:42:37

Local clock offset: 0.054 ms

Remote clock offset: 1.136 ms

Below is generated by plot.py at 2018-01-16 17:23:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.15 Mbit/s

95th percentile per-packet one-way delay: 91.294 ms

Loss rate: 4.84%

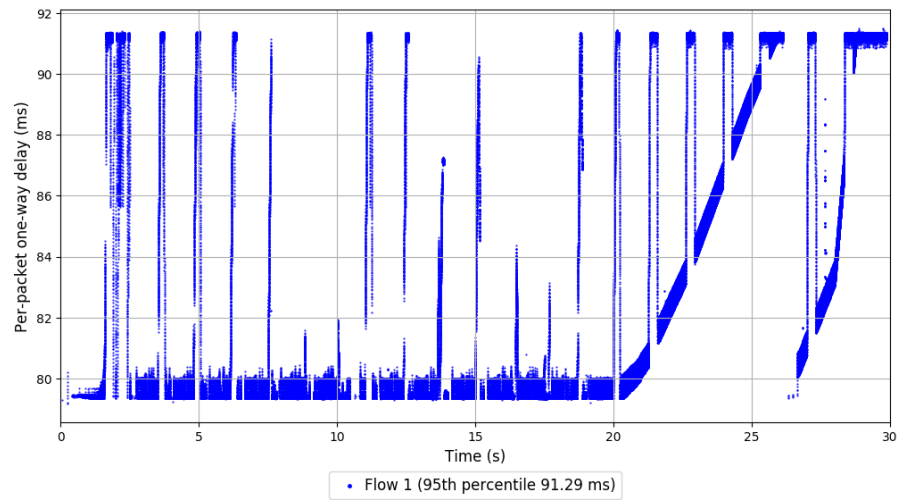
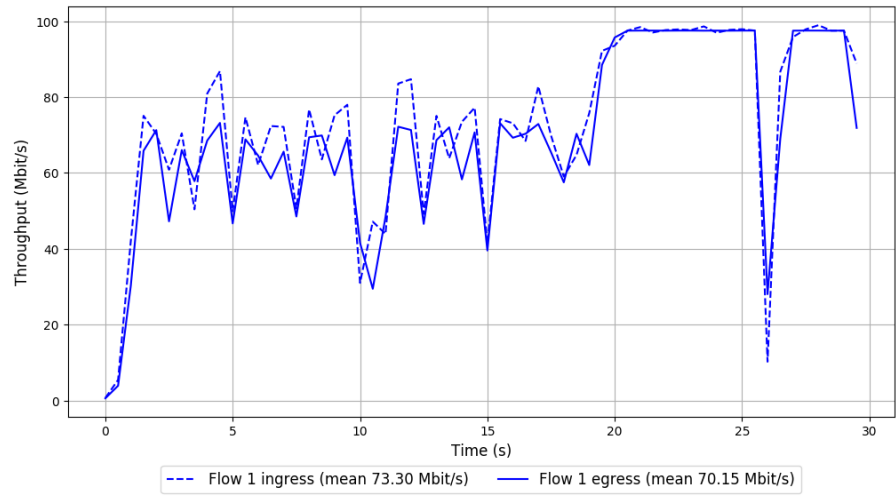
-- Flow 1:

Average throughput: 70.15 Mbit/s

95th percentile per-packet one-way delay: 91.294 ms

Loss rate: 4.84%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-16 12:04:16

End at: 2018-01-16 12:04:47

Local clock offset: 0.236 ms

Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-01-16 17:23:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.00 Mbit/s

95th percentile per-packet one-way delay: 90.807 ms

Loss rate: 0.65%

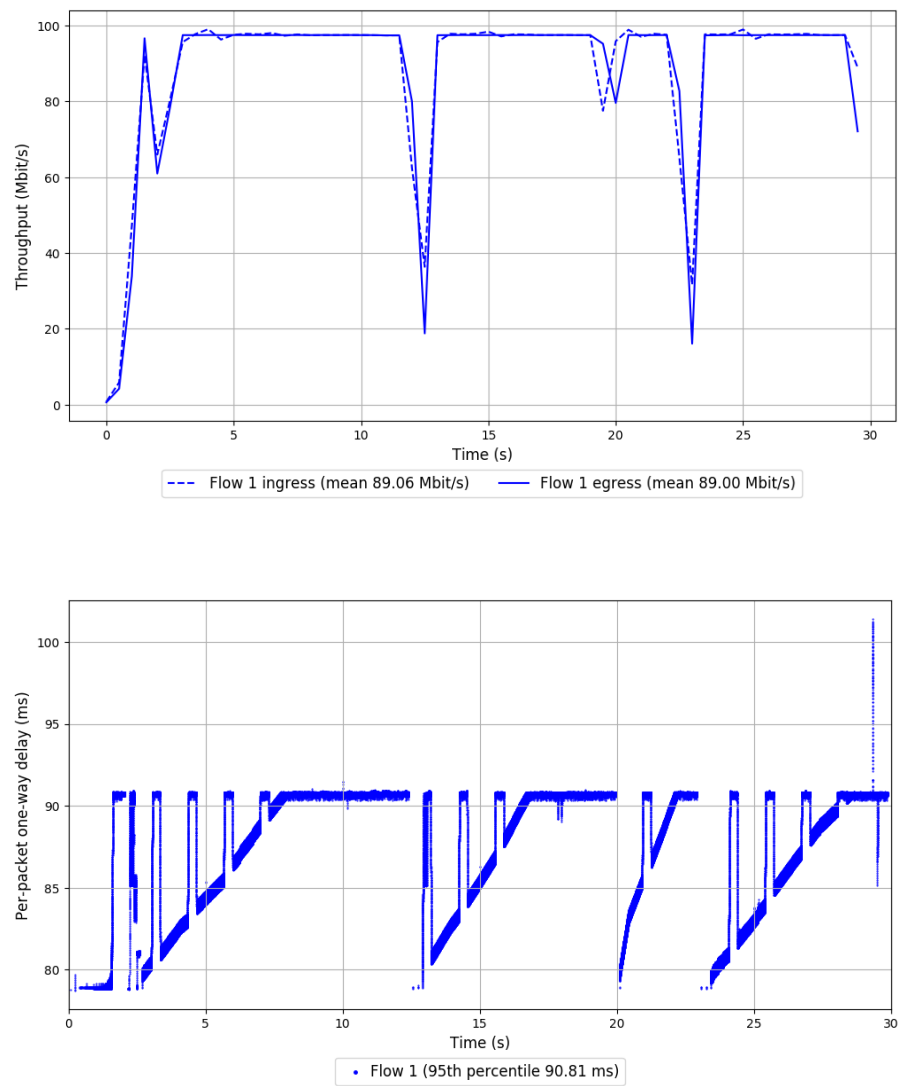
-- Flow 1:

Average throughput: 89.00 Mbit/s

95th percentile per-packet one-way delay: 90.807 ms

Loss rate: 0.65%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-16 12:26:26

End at: 2018-01-16 12:26:56

Local clock offset: 0.396 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-01-16 17:23:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 90.924 ms

Loss rate: 0.63%

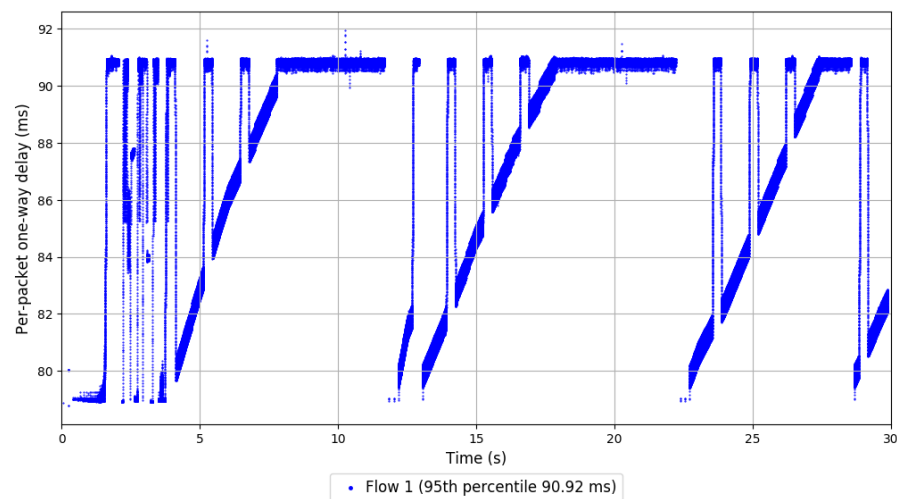
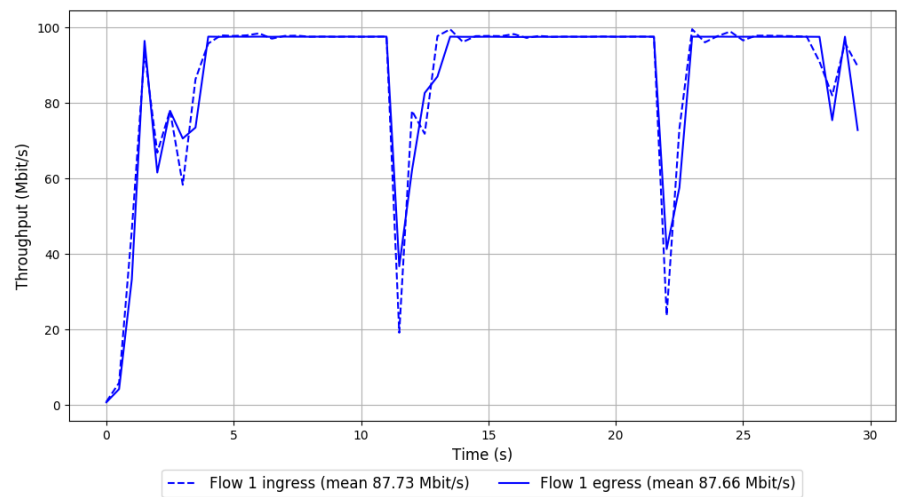
-- Flow 1:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 90.924 ms

Loss rate: 0.63%

Run 7: Report of TCP BBR — Data Link

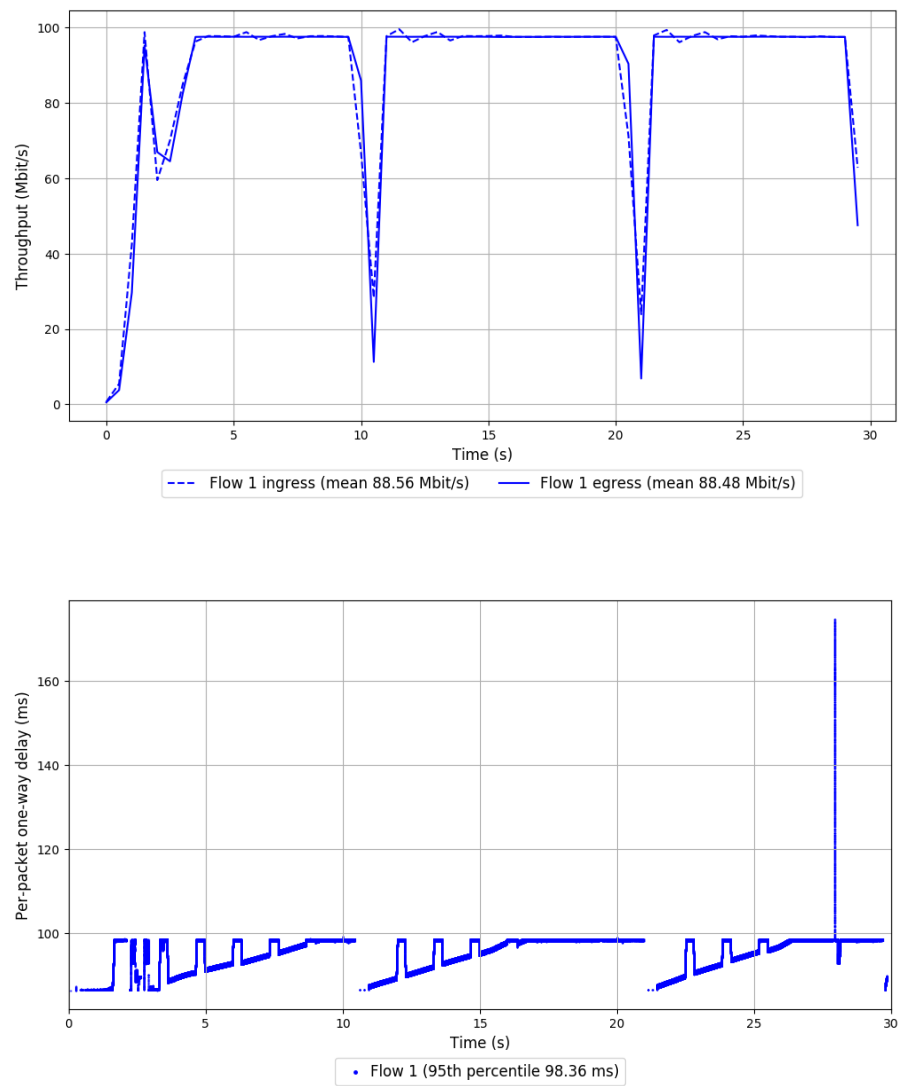


Run 8: Statistics of TCP BBR

Start at: 2018-01-16 12:48:37
End at: 2018-01-16 12:49:07
Local clock offset: 0.615 ms
Remote clock offset: -4.376 ms

Below is generated by plot.py at 2018-01-16 17:23:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 98.365 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 98.365 ms
Loss rate: 0.65%

Run 8: Report of TCP BBR — Data Link

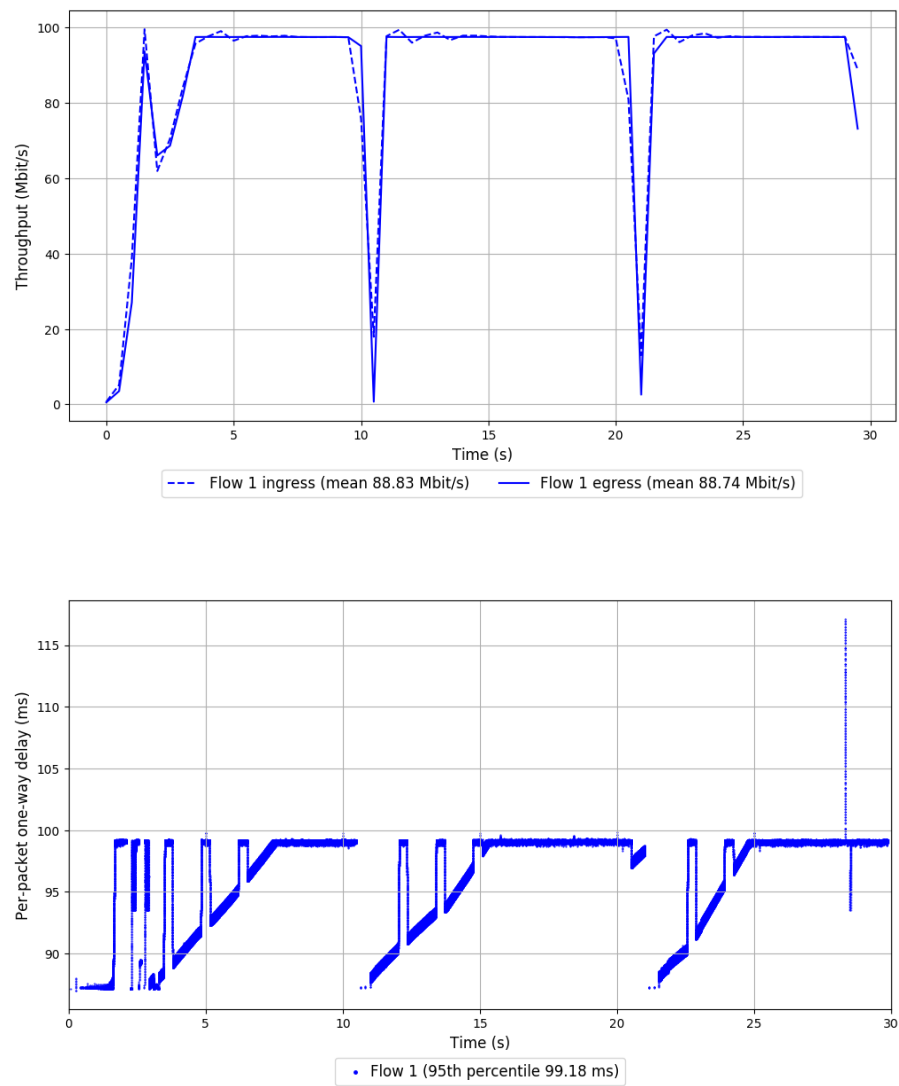


Run 9: Statistics of TCP BBR

Start at: 2018-01-16 13:10:46
End at: 2018-01-16 13:11:16
Local clock offset: 0.486 ms
Remote clock offset: -4.387 ms

Below is generated by plot.py at 2018-01-16 17:24:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 99.184 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 99.184 ms
Loss rate: 0.66%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-16 13:32:54

End at: 2018-01-16 13:33:24

Local clock offset: -0.058 ms

Remote clock offset: -4.128 ms

Below is generated by plot.py at 2018-01-16 17:24:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.84 Mbit/s

95th percentile per-packet one-way delay: 98.056 ms

Loss rate: 0.65%

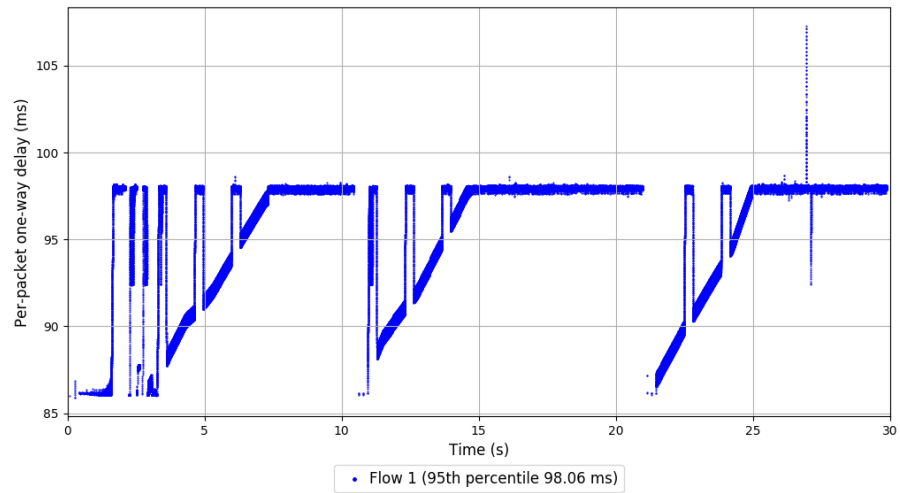
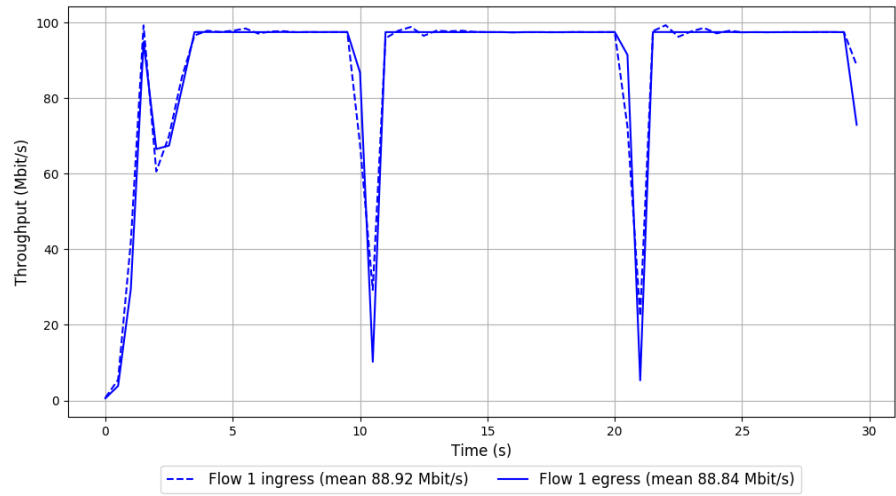
-- Flow 1:

Average throughput: 88.84 Mbit/s

95th percentile per-packet one-way delay: 98.056 ms

Loss rate: 0.65%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-16 10:09:41

End at: 2018-01-16 10:10:11

Local clock offset: 0.183 ms

Remote clock offset: -6.4 ms

Below is generated by plot.py at 2018-01-16 17:24:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.18 Mbit/s

95th percentile per-packet one-way delay: 97.306 ms

Loss rate: 0.58%

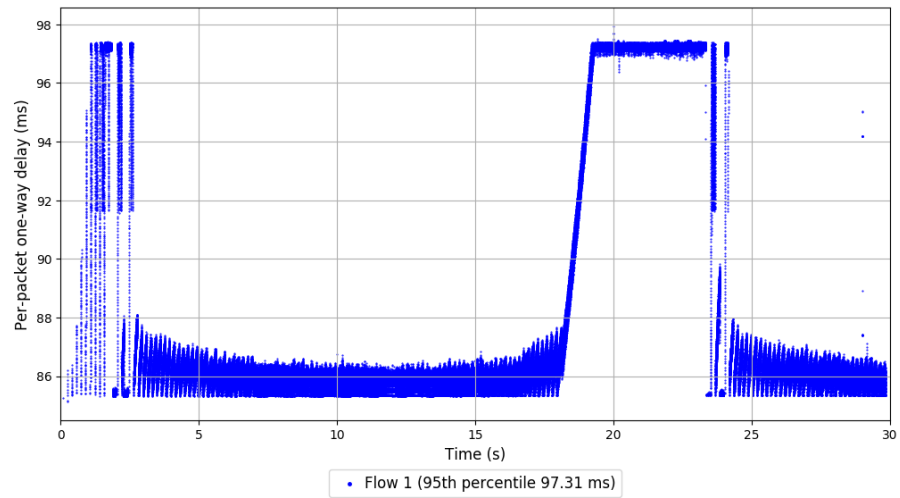
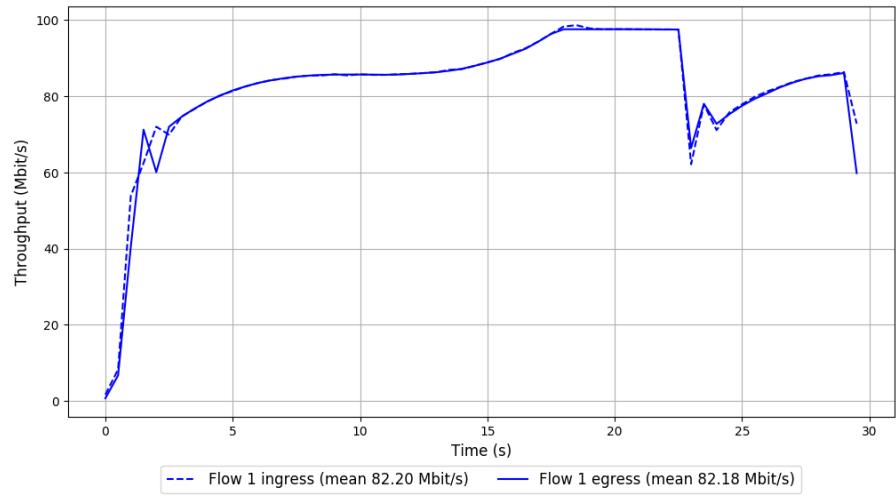
-- Flow 1:

Average throughput: 82.18 Mbit/s

95th percentile per-packet one-way delay: 97.306 ms

Loss rate: 0.58%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 10:31:53

End at: 2018-01-16 10:32:23

Local clock offset: -0.245 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-01-16 17:24:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.43 Mbit/s

95th percentile per-packet one-way delay: 92.883 ms

Loss rate: 0.59%

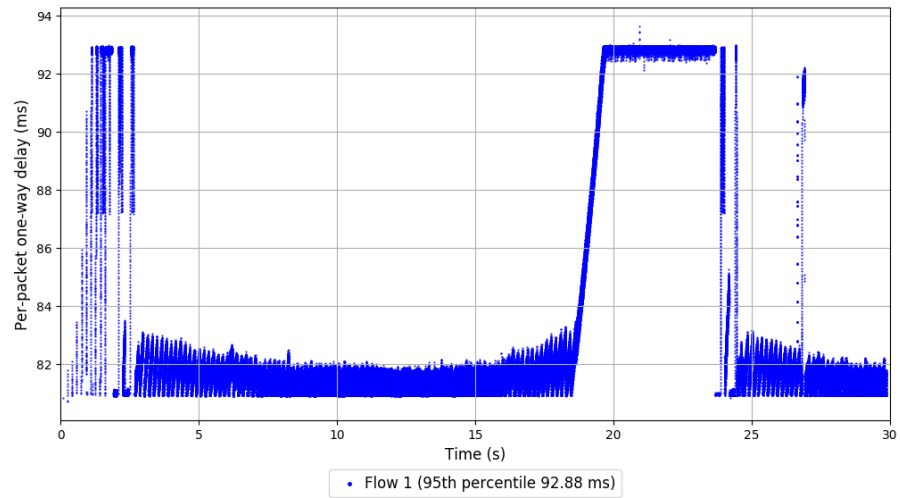
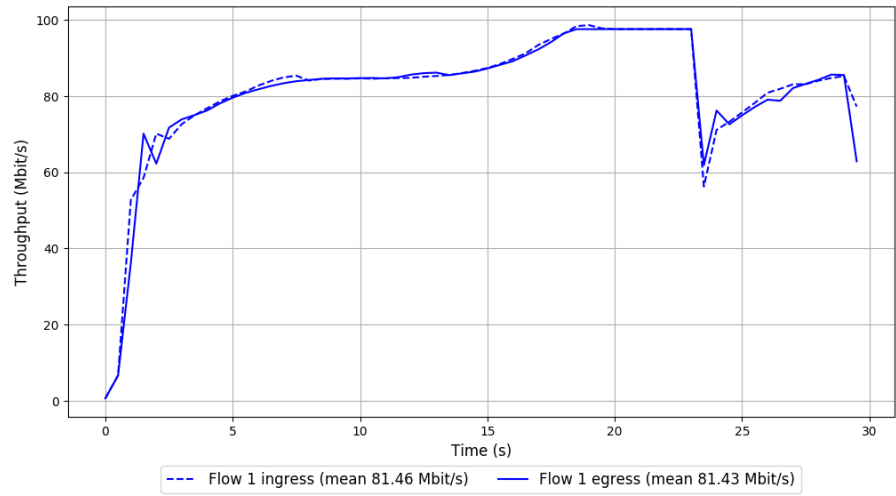
-- Flow 1:

Average throughput: 81.43 Mbit/s

95th percentile per-packet one-way delay: 92.883 ms

Loss rate: 0.59%

Run 2: Report of TCP Cubic — Data Link

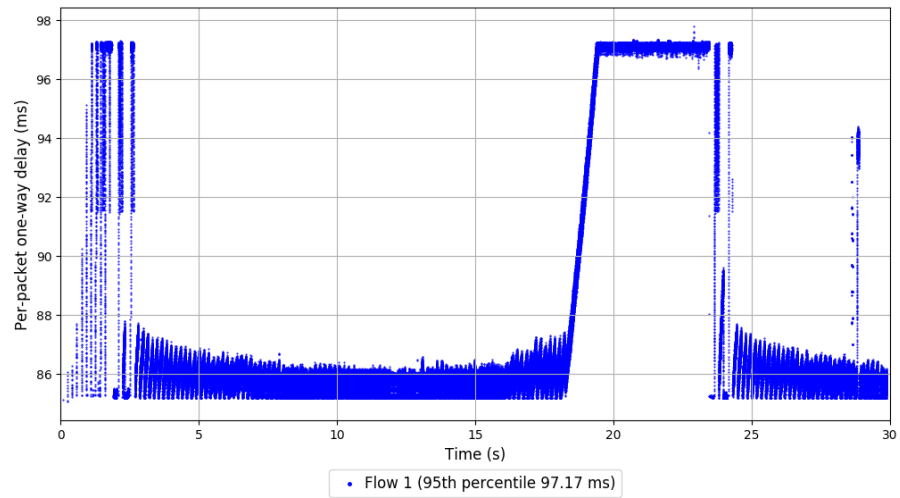
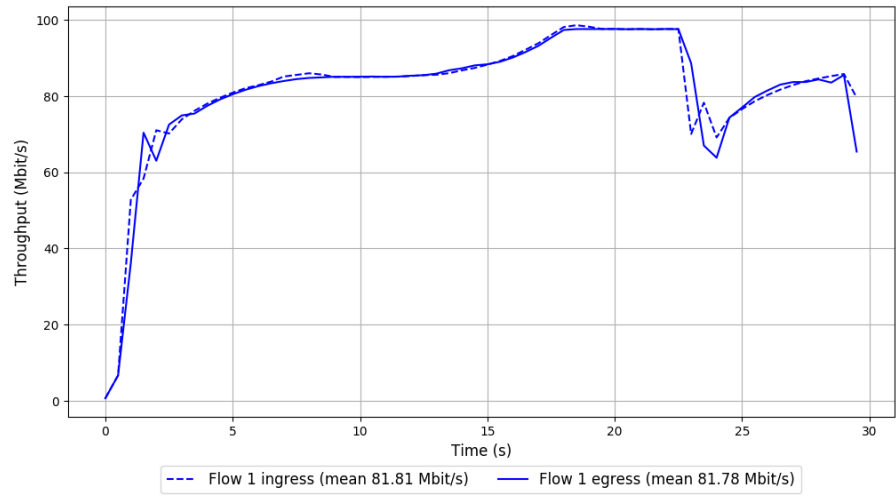


Run 3: Statistics of TCP Cubic

Start at: 2018-01-16 10:54:03
End at: 2018-01-16 10:54:33
Local clock offset: -0.278 ms
Remote clock offset: -4.998 ms

Below is generated by plot.py at 2018-01-16 17:24:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.78 Mbit/s
95th percentile per-packet one-way delay: 97.168 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 81.78 Mbit/s
95th percentile per-packet one-way delay: 97.168 ms
Loss rate: 0.59%

Run 3: Report of TCP Cubic — Data Link

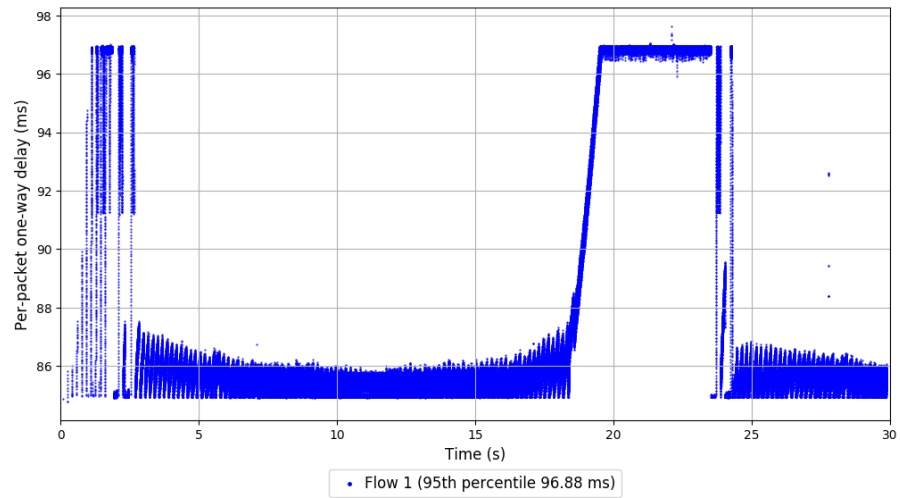
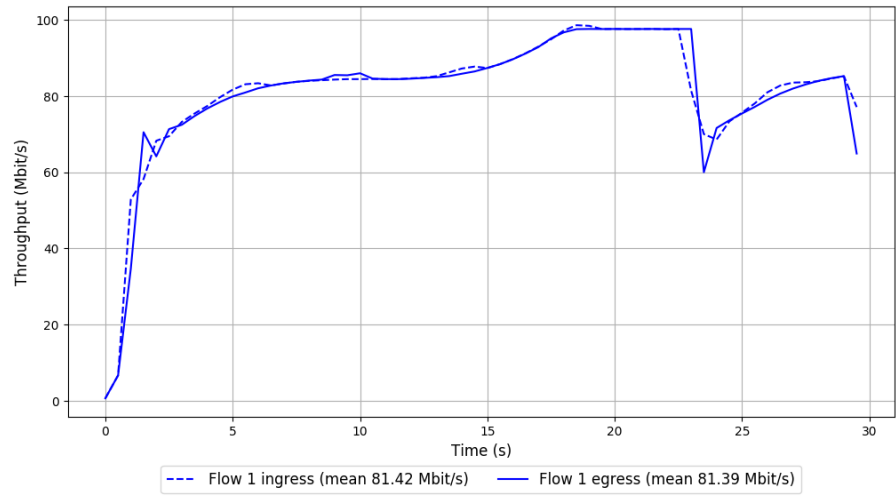


Run 4: Statistics of TCP Cubic

Start at: 2018-01-16 11:16:15
End at: 2018-01-16 11:16:45
Local clock offset: -0.21 ms
Remote clock offset: -3.903 ms

Below is generated by plot.py at 2018-01-16 17:24:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 96.884 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 96.884 ms
Loss rate: 0.59%

Run 4: Report of TCP Cubic — Data Link

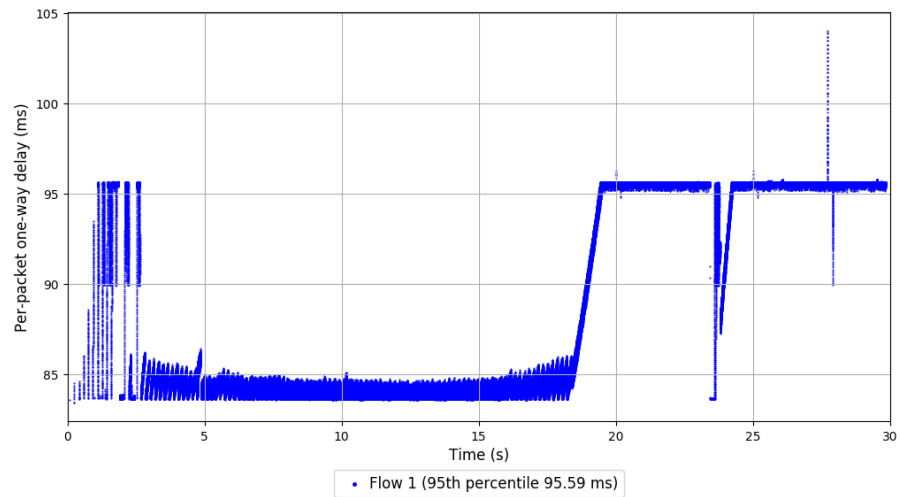
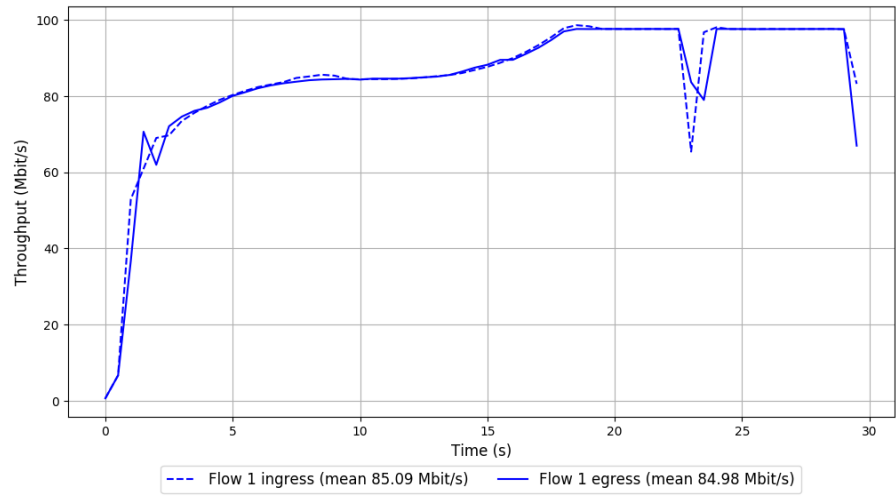


Run 5: Statistics of TCP Cubic

Start at: 2018-01-16 11:38:27
End at: 2018-01-16 11:38:57
Local clock offset: -0.008 ms
Remote clock offset: -2.961 ms

Below is generated by plot.py at 2018-01-16 17:24:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 95.587 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 95.587 ms
Loss rate: 0.68%

Run 5: Report of TCP Cubic — Data Link

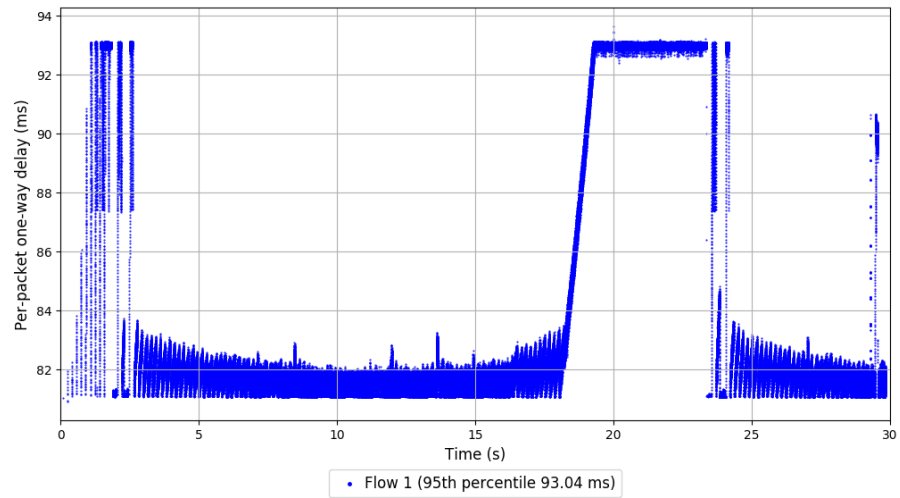
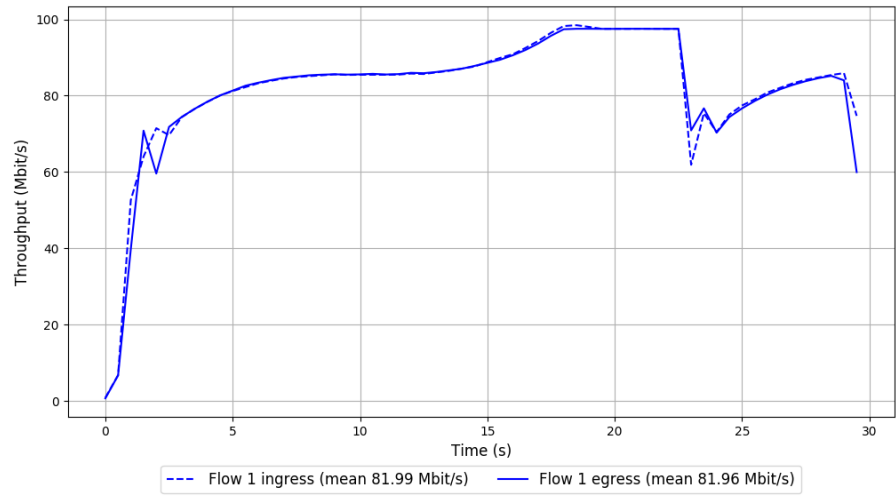


Run 6: Statistics of TCP Cubic

Start at: 2018-01-16 12:00:36
End at: 2018-01-16 12:01:06
Local clock offset: 0.204 ms
Remote clock offset: -1.105 ms

Below is generated by plot.py at 2018-01-16 17:24:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 93.037 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 93.037 ms
Loss rate: 0.58%

Run 6: Report of TCP Cubic — Data Link

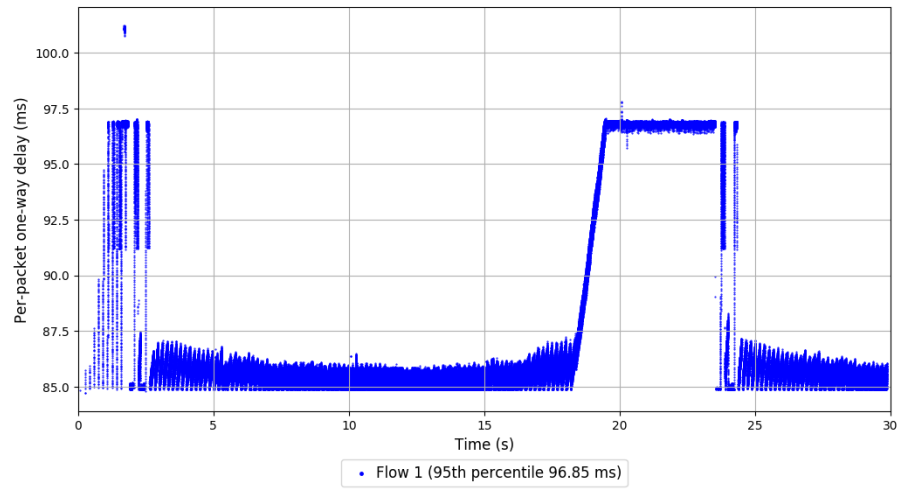
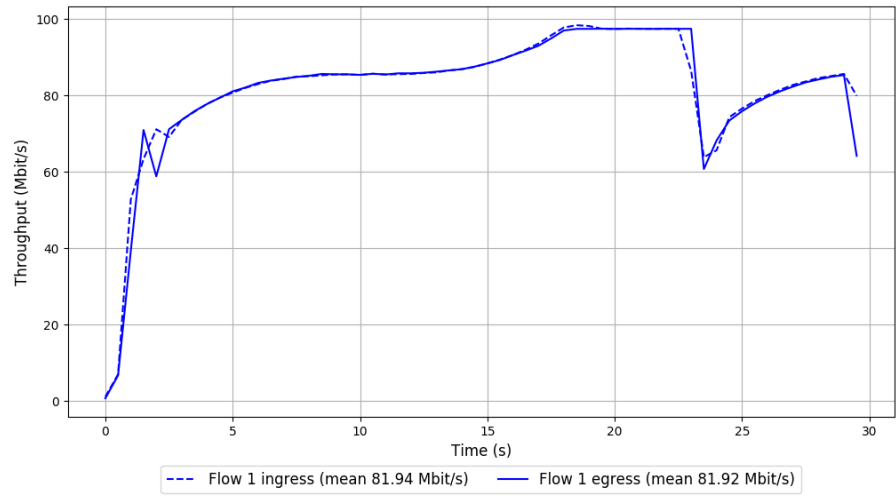


Run 7: Statistics of TCP Cubic

Start at: 2018-01-16 12:22:46
End at: 2018-01-16 12:23:16
Local clock offset: 0.285 ms
Remote clock offset: -4.933 ms

Below is generated by plot.py at 2018-01-16 17:25:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 96.852 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 96.852 ms
Loss rate: 0.58%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-16 12:44:56

End at: 2018-01-16 12:45:27

Local clock offset: 0.586 ms

Remote clock offset: 1.17 ms

Below is generated by plot.py at 2018-01-16 17:25:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.66 Mbit/s

95th percentile per-packet one-way delay: 91.052 ms

Loss rate: 0.58%

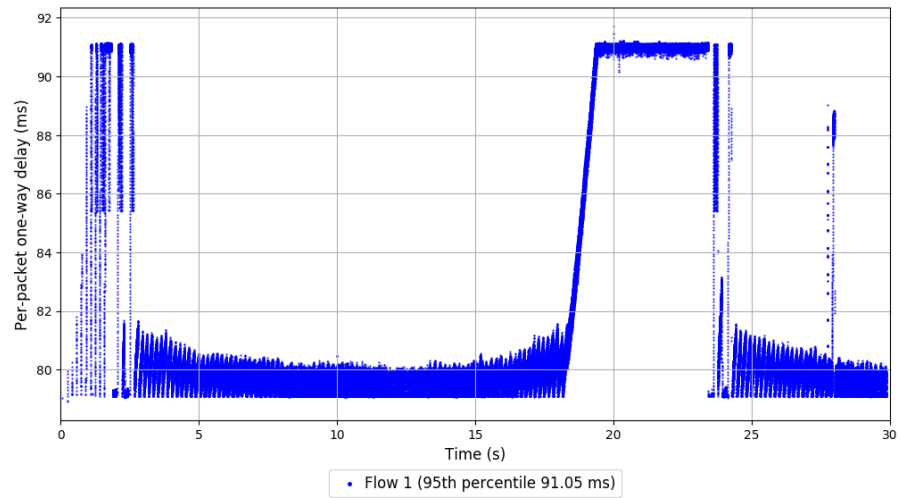
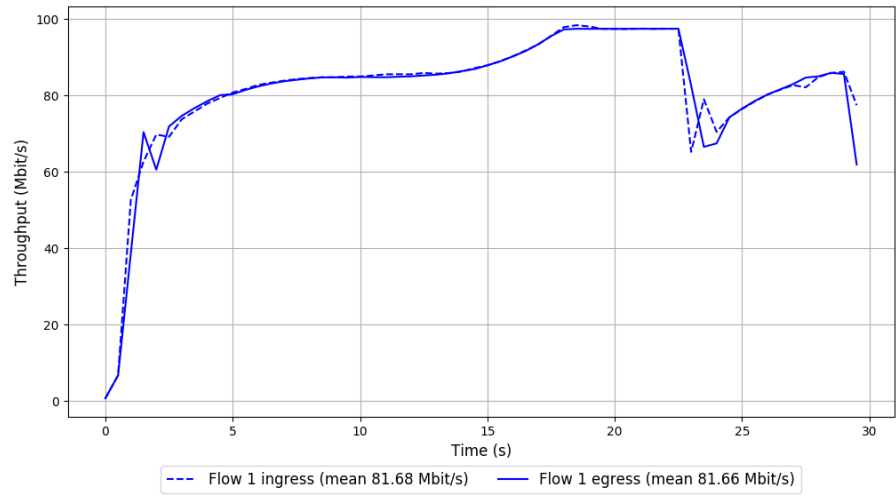
-- Flow 1:

Average throughput: 81.66 Mbit/s

95th percentile per-packet one-way delay: 91.052 ms

Loss rate: 0.58%

Run 8: Report of TCP Cubic — Data Link

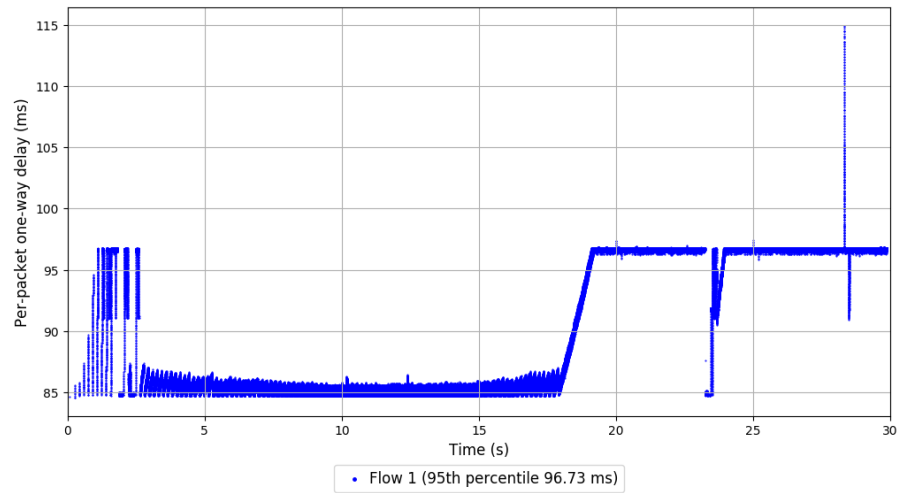
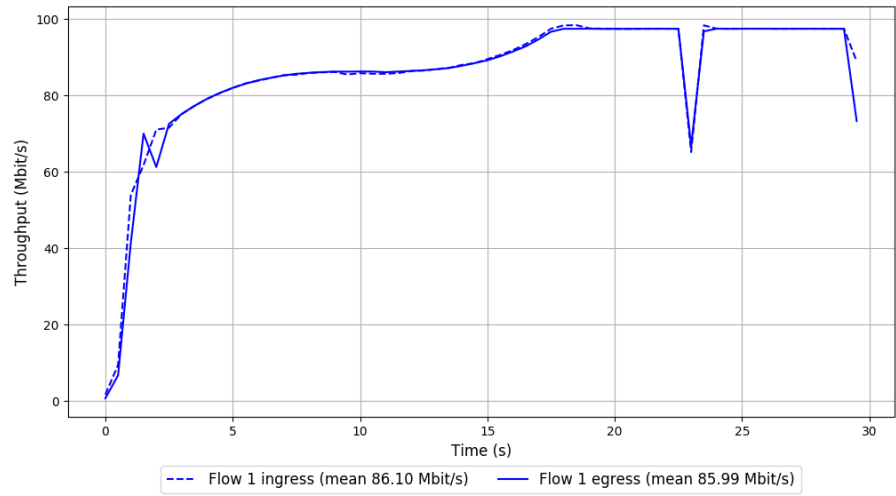


Run 9: Statistics of TCP Cubic

Start at: 2018-01-16 13:07:06
End at: 2018-01-16 13:07:36
Local clock offset: 0.515 ms
Remote clock offset: -5.256 ms

Below is generated by plot.py at 2018-01-16 17:25:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 96.734 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 96.734 ms
Loss rate: 0.67%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-16 13:29:14

End at: 2018-01-16 13:29:44

Local clock offset: 0.082 ms

Remote clock offset: 0.728 ms

Below is generated by plot.py at 2018-01-16 17:25:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.93 Mbit/s

95th percentile per-packet one-way delay: 93.193 ms

Loss rate: 0.59%

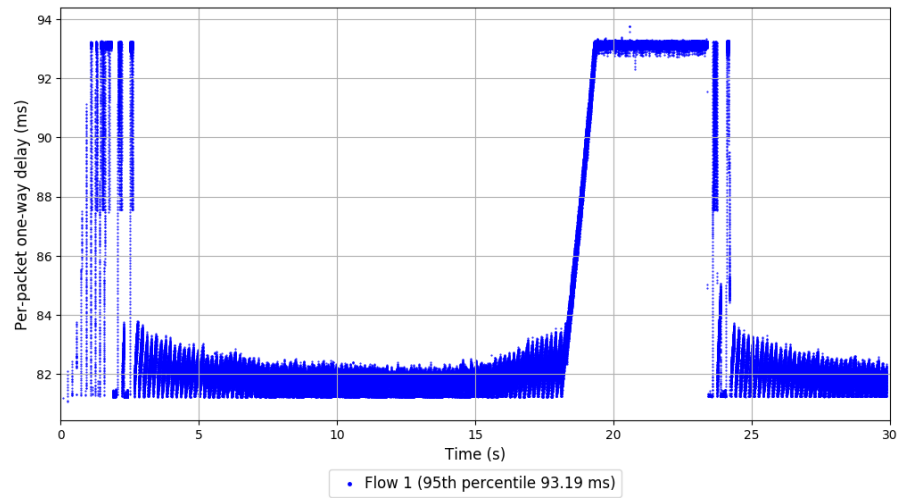
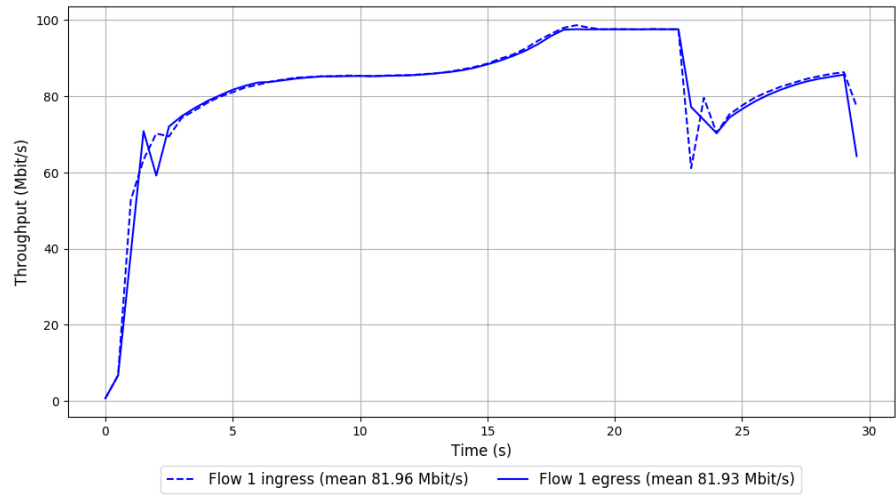
-- Flow 1:

Average throughput: 81.93 Mbit/s

95th percentile per-packet one-way delay: 93.193 ms

Loss rate: 0.59%

Run 10: Report of TCP Cubic — Data Link

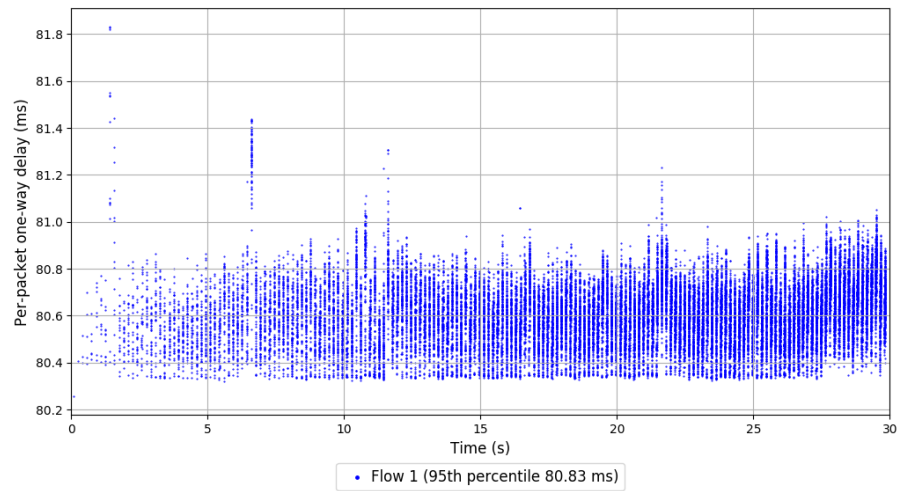
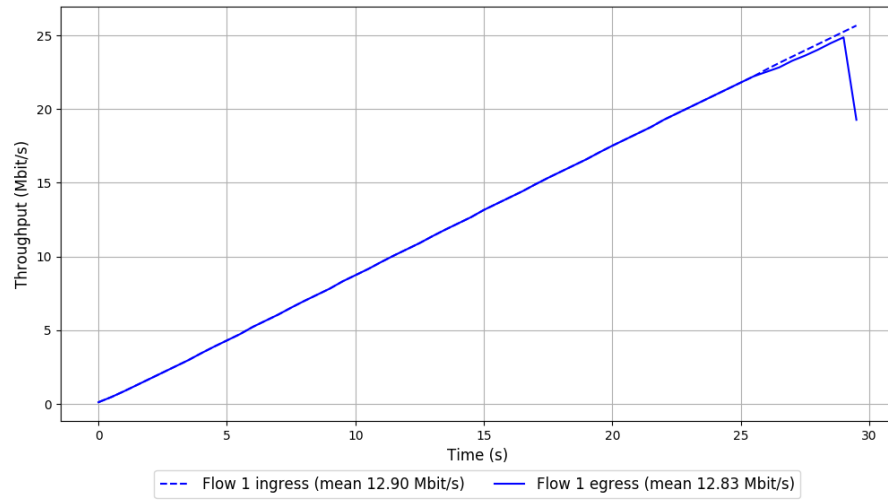


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-16 10:22:11
End at: 2018-01-16 10:22:41
Local clock offset: -0.071 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-01-16 17:25:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 80.825 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 80.825 ms
Loss rate: 1.11%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-01-16 10:44:22

End at: 2018-01-16 10:44:52

Local clock offset: -0.375 ms

Remote clock offset: -4.53 ms

Below is generated by plot.py at 2018-01-16 17:25:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.27 Mbit/s

95th percentile per-packet one-way delay: 87.466 ms

Loss rate: 1.14%

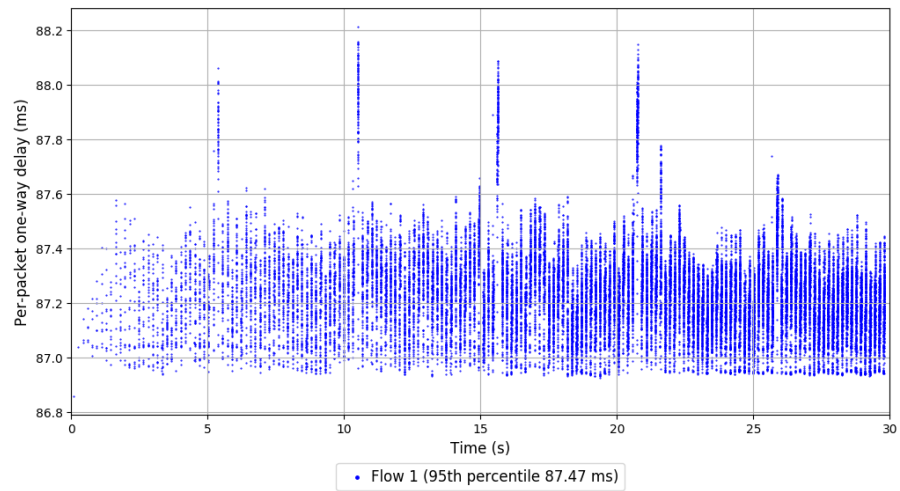
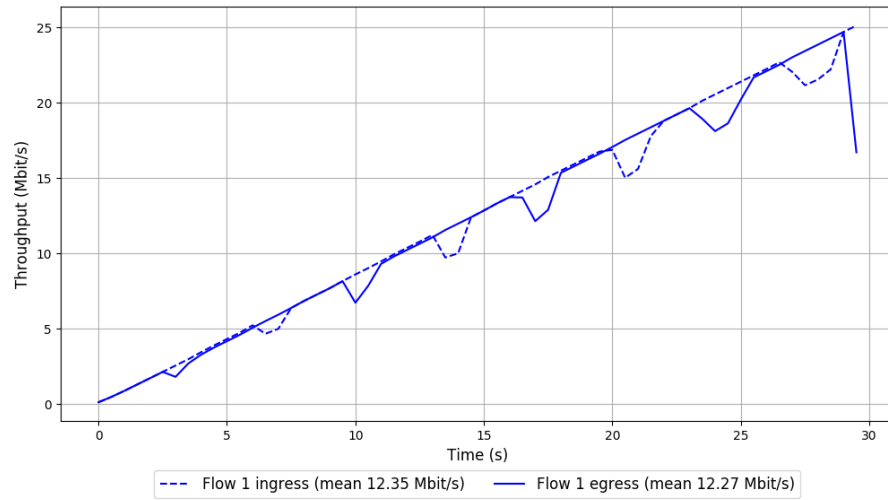
-- Flow 1:

Average throughput: 12.27 Mbit/s

95th percentile per-packet one-way delay: 87.466 ms

Loss rate: 1.14%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-16 11:06:33

End at: 2018-01-16 11:07:03

Local clock offset: -0.19 ms

Remote clock offset: 1.658 ms

Below is generated by plot.py at 2018-01-16 17:25:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.78 Mbit/s

95th percentile per-packet one-way delay: 79.701 ms

Loss rate: 1.11%

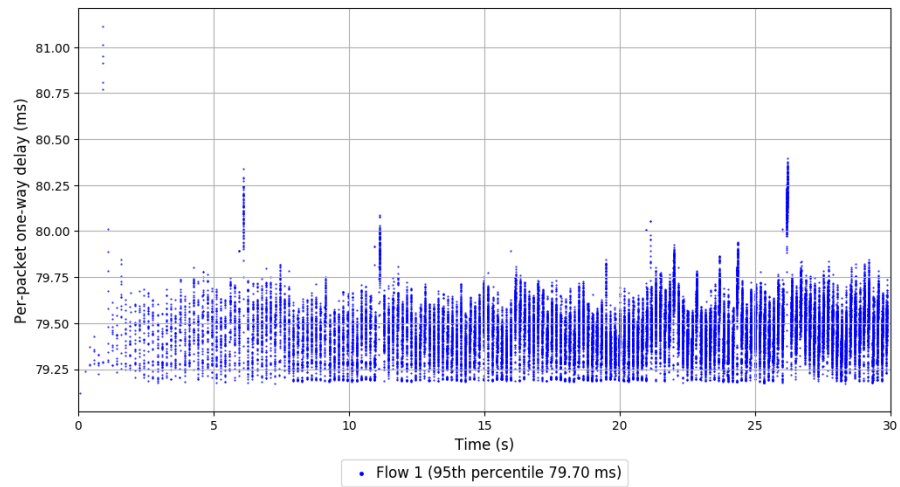
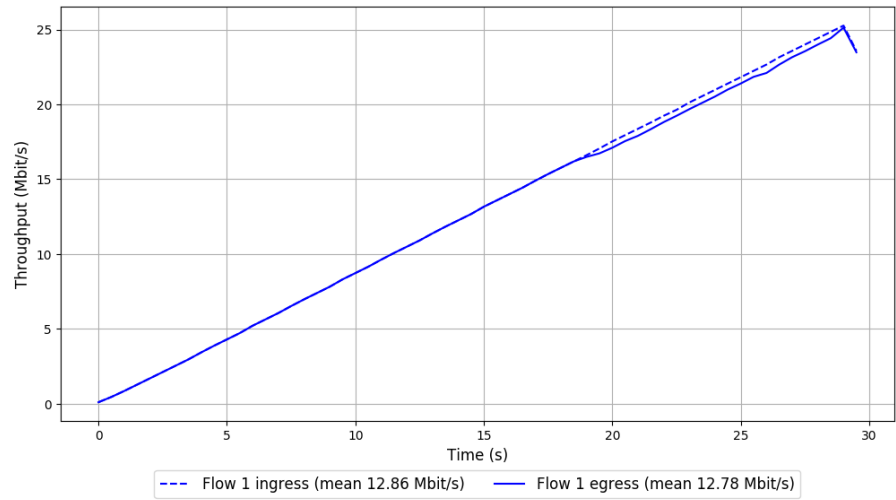
-- Flow 1:

Average throughput: 12.78 Mbit/s

95th percentile per-packet one-way delay: 79.701 ms

Loss rate: 1.11%

Run 3: Report of LEDBAT — Data Link

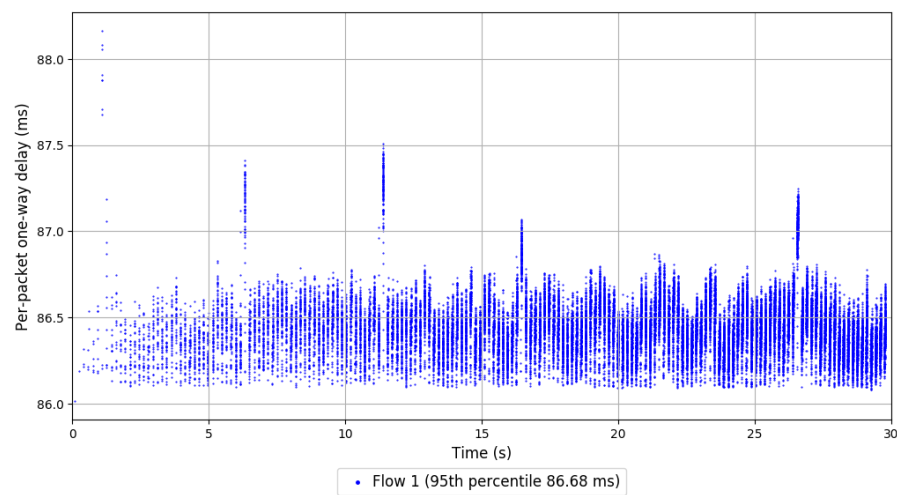
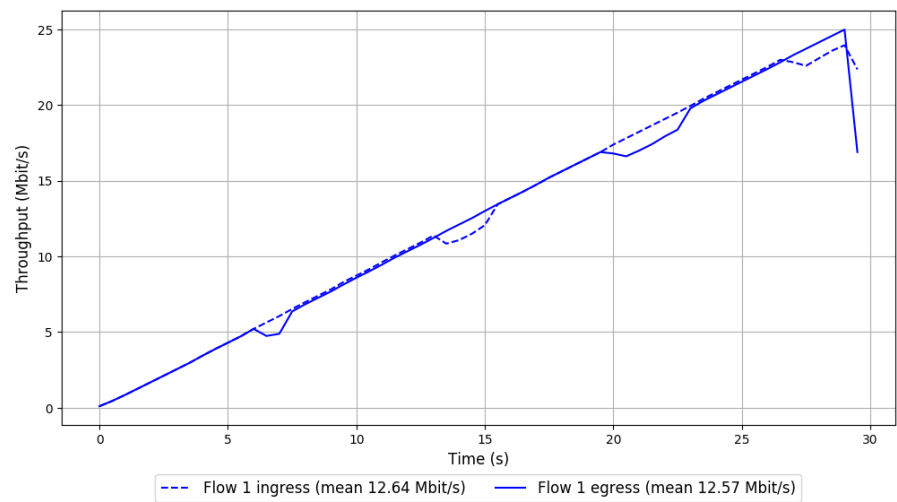


Run 4: Statistics of LEDBAT

Start at: 2018-01-16 11:28:44
End at: 2018-01-16 11:29:14
Local clock offset: -0.162 ms
Remote clock offset: -3.652 ms

Below is generated by plot.py at 2018-01-16 17:25:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 86.681 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 86.681 ms
Loss rate: 1.13%

Run 4: Report of LEDBAT — Data Link

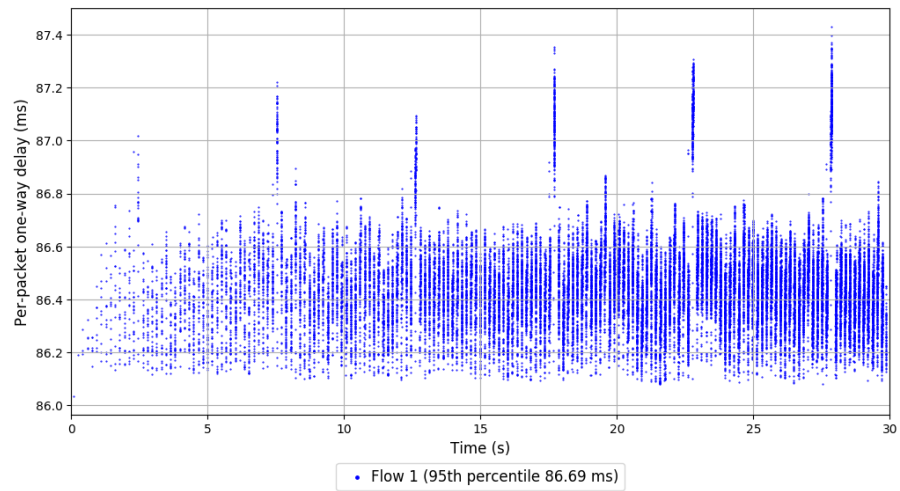
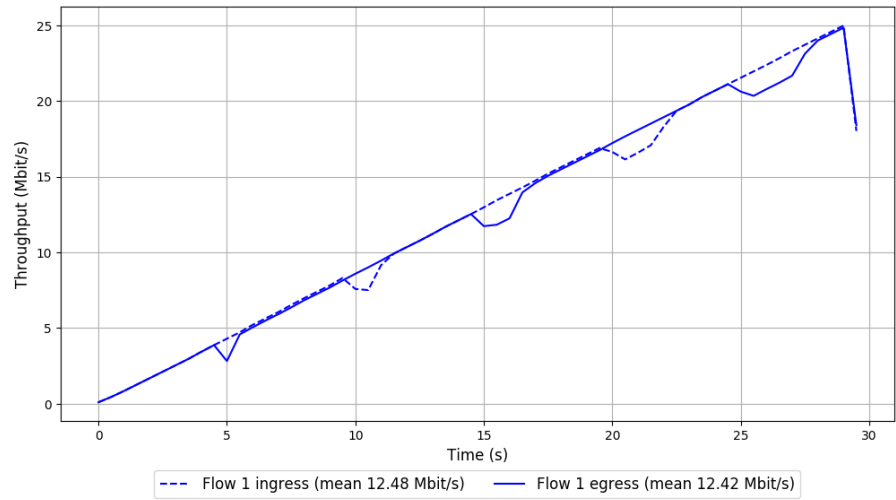


Run 5: Statistics of LEDBAT

Start at: 2018-01-16 11:50:54
End at: 2018-01-16 11:51:24
Local clock offset: 0.137 ms
Remote clock offset: -5.731 ms

Below is generated by plot.py at 2018-01-16 17:25:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 86.690 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 86.690 ms
Loss rate: 1.07%

Run 5: Report of LEDBAT — Data Link

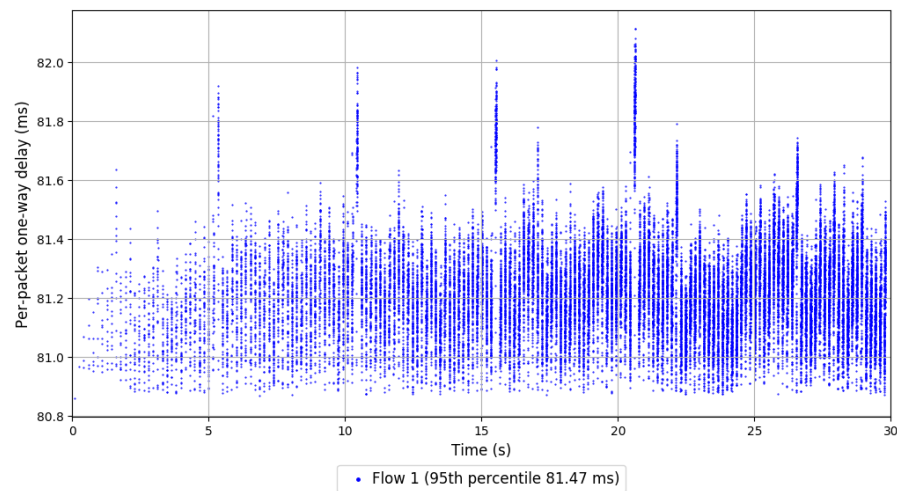
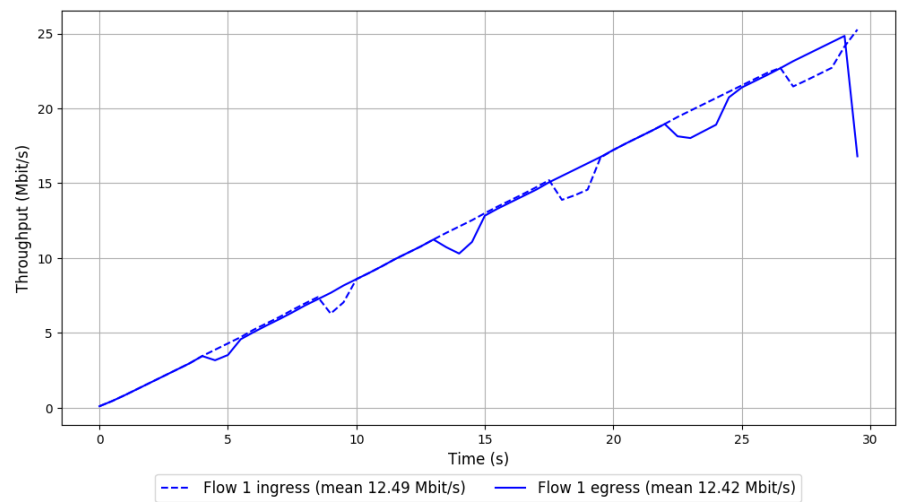


Run 6: Statistics of LEDBAT

Start at: 2018-01-16 12:13:05
End at: 2018-01-16 12:13:35
Local clock offset: 0.281 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2018-01-16 17:25:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 81.473 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 81.473 ms
Loss rate: 1.13%

Run 6: Report of LEDBAT — Data Link

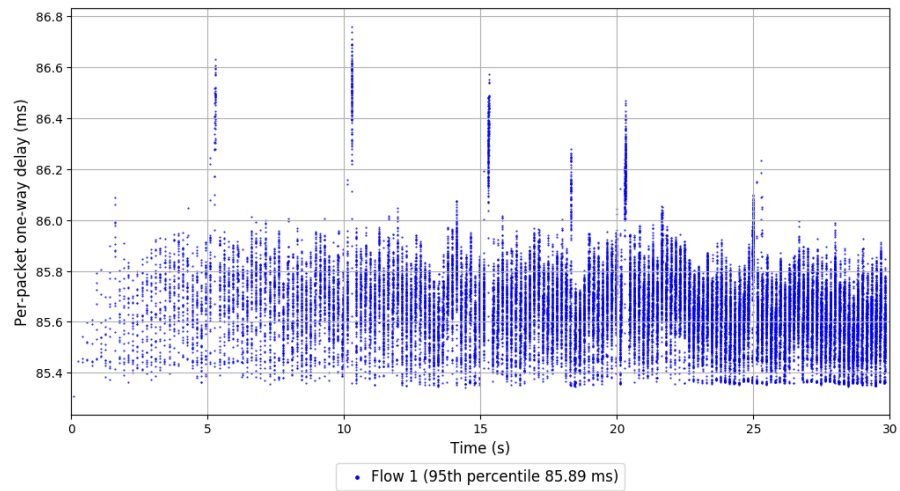
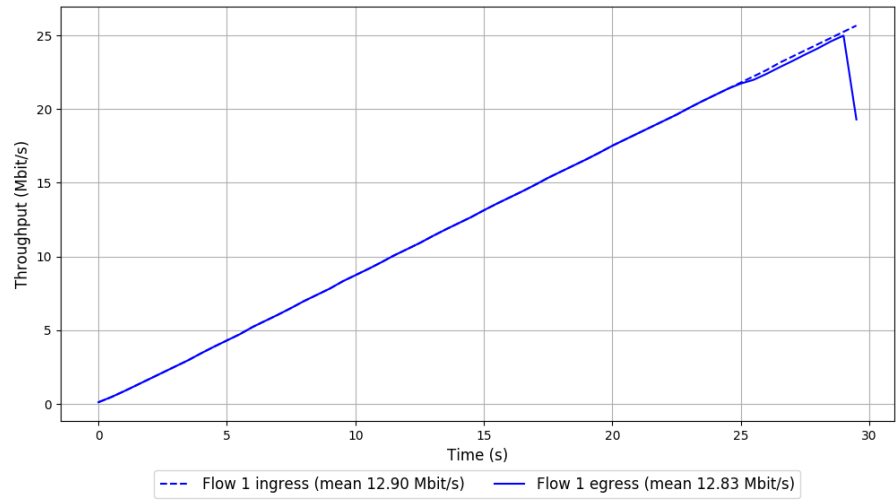


Run 7: Statistics of LEDBAT

Start at: 2018-01-16 12:35:14
End at: 2018-01-16 12:35:44
Local clock offset: 0.481 ms
Remote clock offset: -4.667 ms

Below is generated by plot.py at 2018-01-16 17:25:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 85.891 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 85.891 ms
Loss rate: 1.11%

Run 7: Report of LEDBAT — Data Link

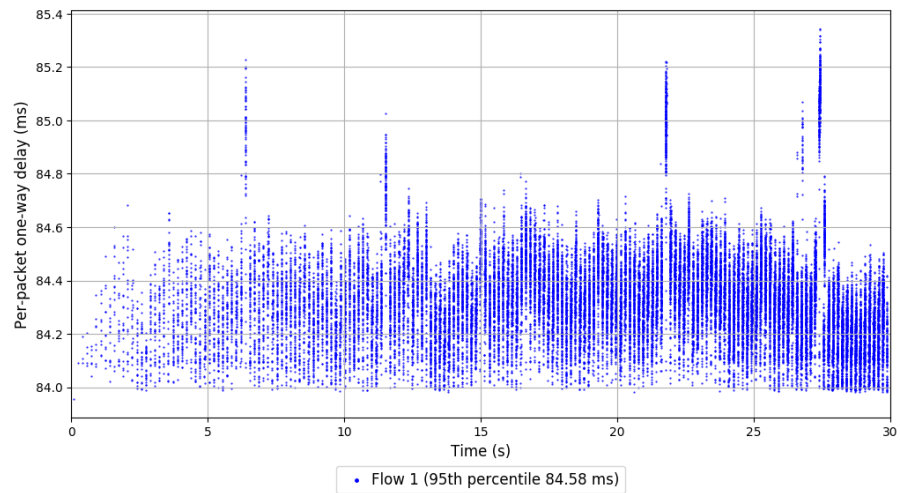
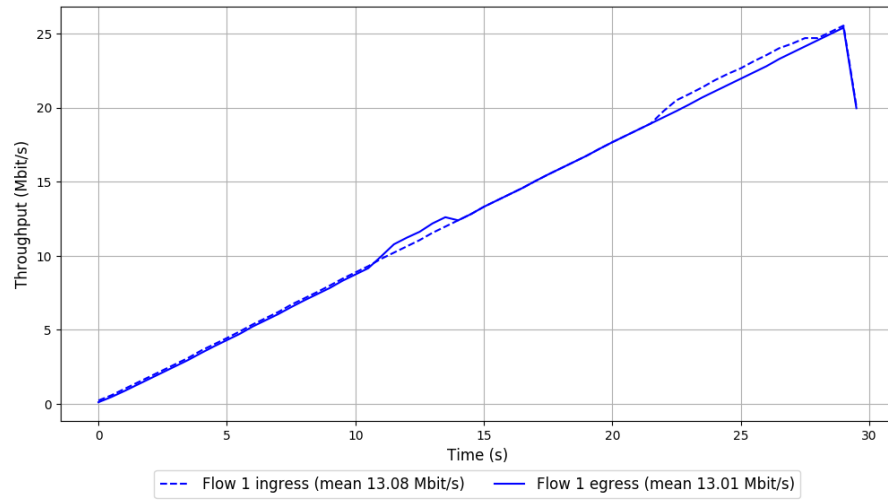


Run 8: Statistics of LEDBAT

Start at: 2018-01-16 12:57:25
End at: 2018-01-16 12:57:55
Local clock offset: 0.705 ms
Remote clock offset: -4.206 ms

Below is generated by plot.py at 2018-01-16 17:25:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 84.577 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 84.577 ms
Loss rate: 1.11%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-16 13:19:33

End at: 2018-01-16 13:20:03

Local clock offset: 0.258 ms

Remote clock offset: 1.469 ms

Below is generated by plot.py at 2018-01-16 17:25:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.00 Mbit/s

95th percentile per-packet one-way delay: 79.229 ms

Loss rate: 1.11%

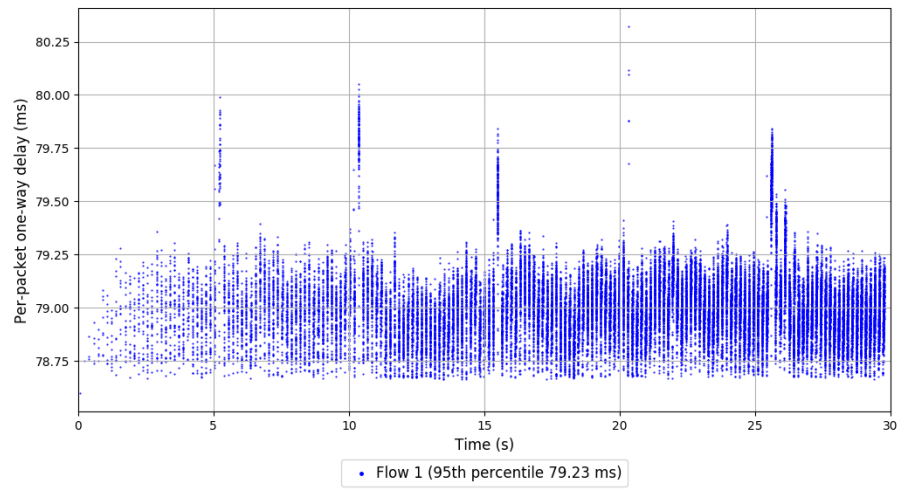
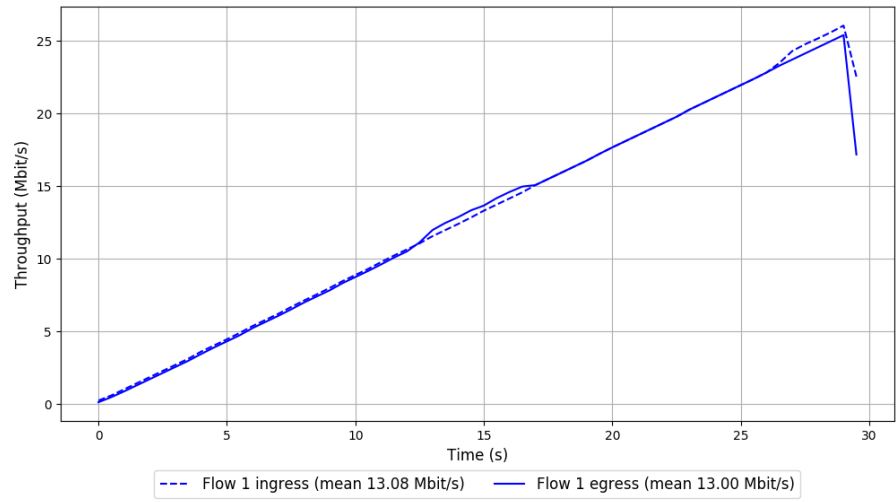
-- Flow 1:

Average throughput: 13.00 Mbit/s

95th percentile per-packet one-way delay: 79.229 ms

Loss rate: 1.11%

Run 9: Report of LEDBAT — Data Link

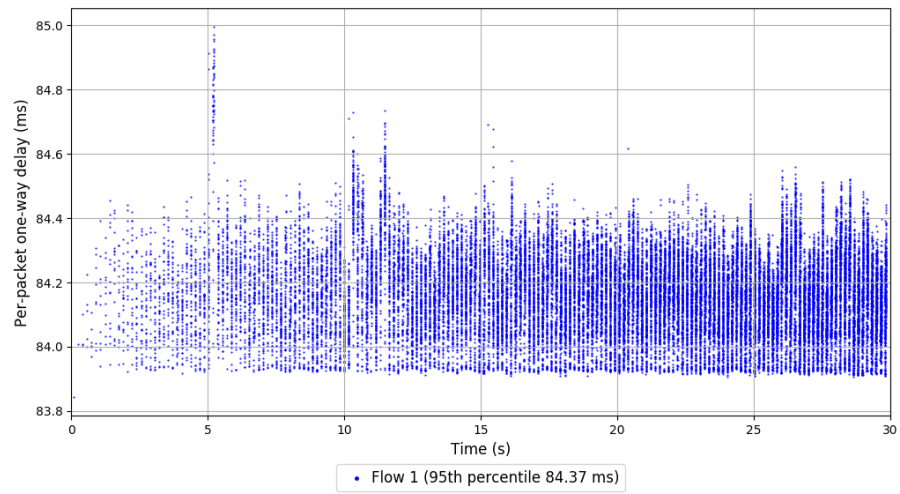
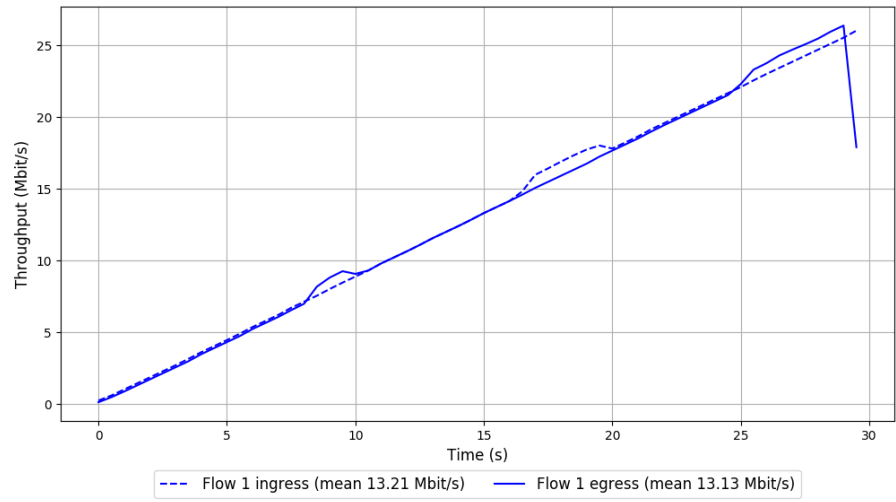


Run 10: Statistics of LEDBAT

Start at: 2018-01-16 13:41:39
End at: 2018-01-16 13:42:09
Local clock offset: -0.041 ms
Remote clock offset: -4.043 ms

Below is generated by plot.py at 2018-01-16 17:25:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 84.366 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 84.366 ms
Loss rate: 1.10%

Run 10: Report of LEDBAT — Data Link

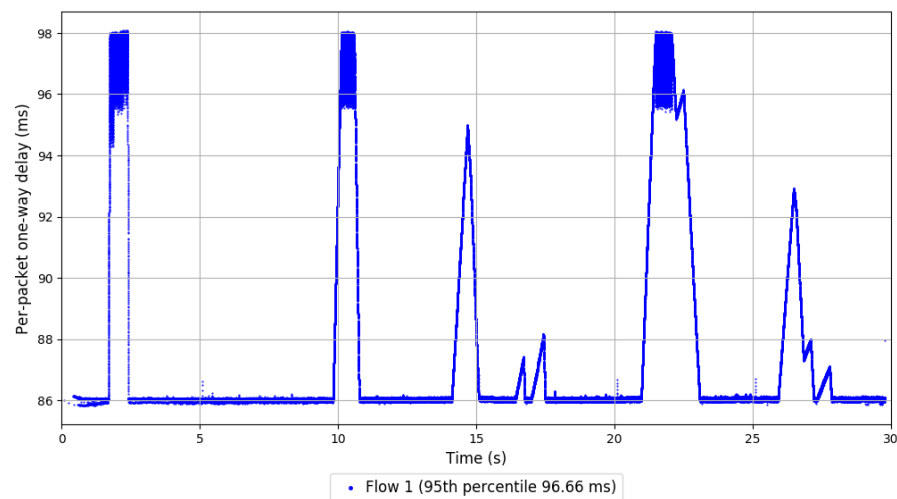
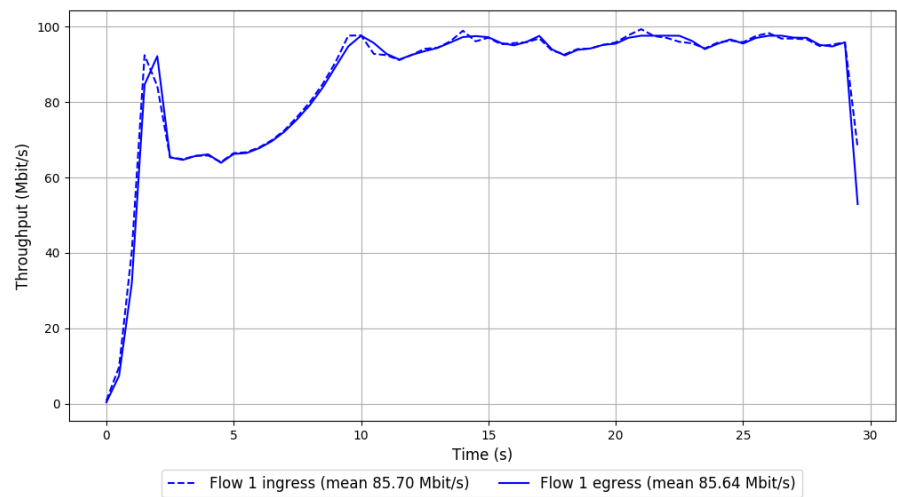


Run 1: Statistics of PCC

Start at: 2018-01-16 10:14:36
End at: 2018-01-16 10:15:06
Local clock offset: 0.077 ms
Remote clock offset: -5.465 ms

Below is generated by plot.py at 2018-01-16 17:26:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 96.655 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 96.655 ms
Loss rate: 0.62%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-16 10:36:47

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

Local clock offset: -0.301 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-01-16 17:26:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.66 Mbit/s

95th percentile per-packet one-way delay: 91.056 ms

Loss rate: 0.65%

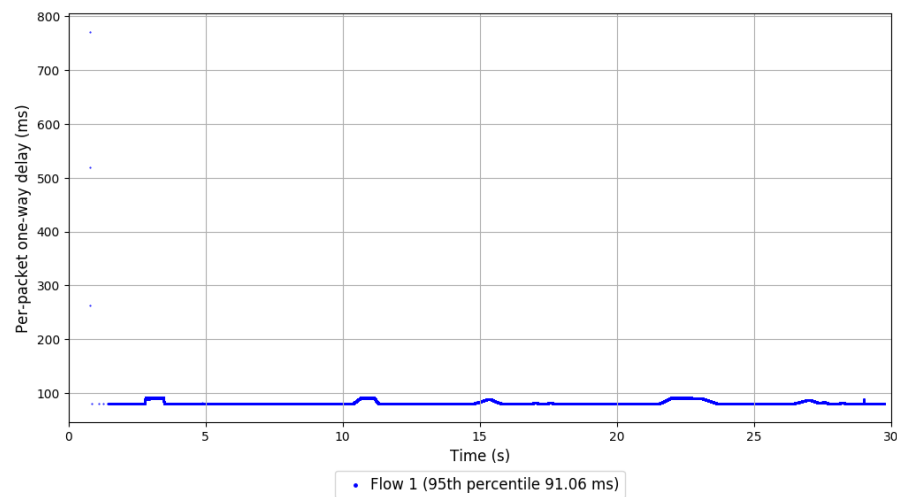
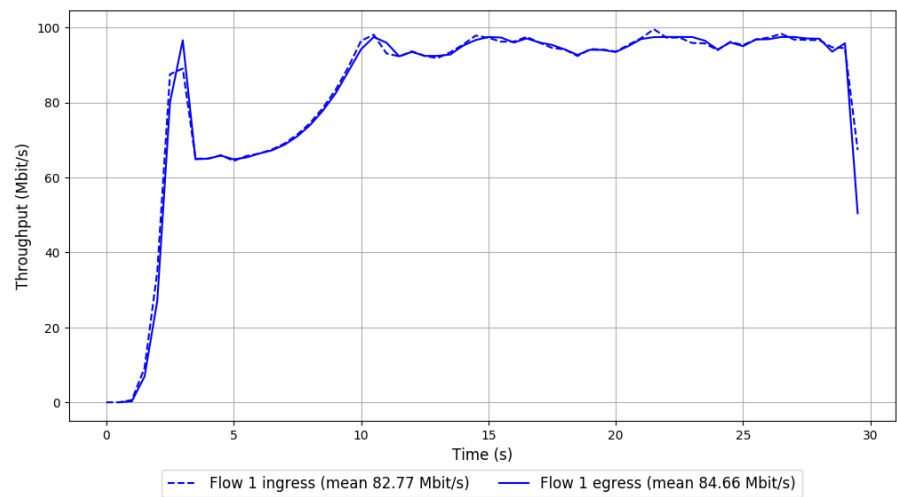
-- Flow 1:

Average throughput: 84.66 Mbit/s

95th percentile per-packet one-way delay: 91.056 ms

Loss rate: 0.65%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-16 10:58:58

End at: 2018-01-16 10:59:28

Local clock offset: -0.238 ms

Remote clock offset: 0.762 ms

Below is generated by plot.py at 2018-01-16 17:26:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 92.477 ms

Loss rate: 0.60%

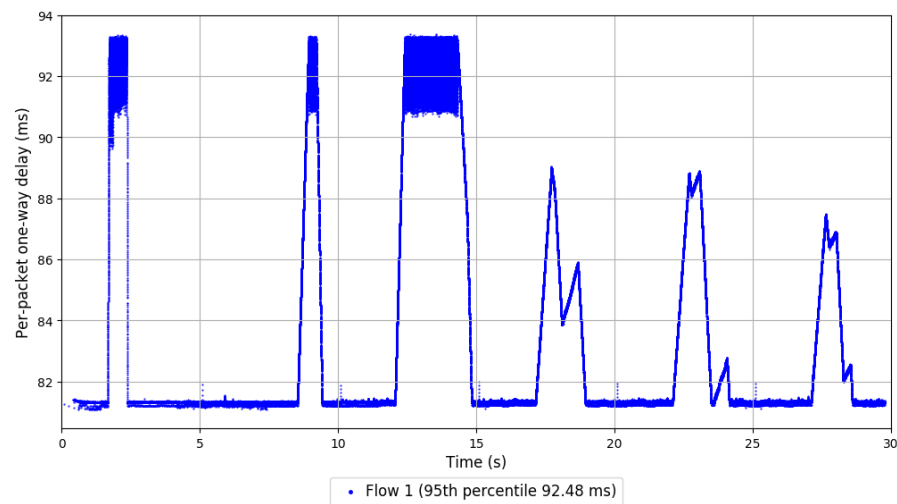
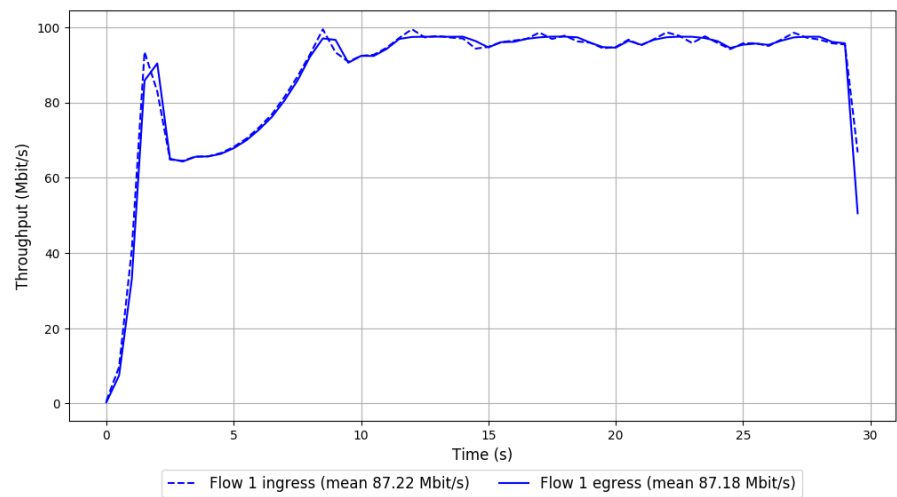
-- Flow 1:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 92.477 ms

Loss rate: 0.60%

Run 3: Report of PCC — Data Link

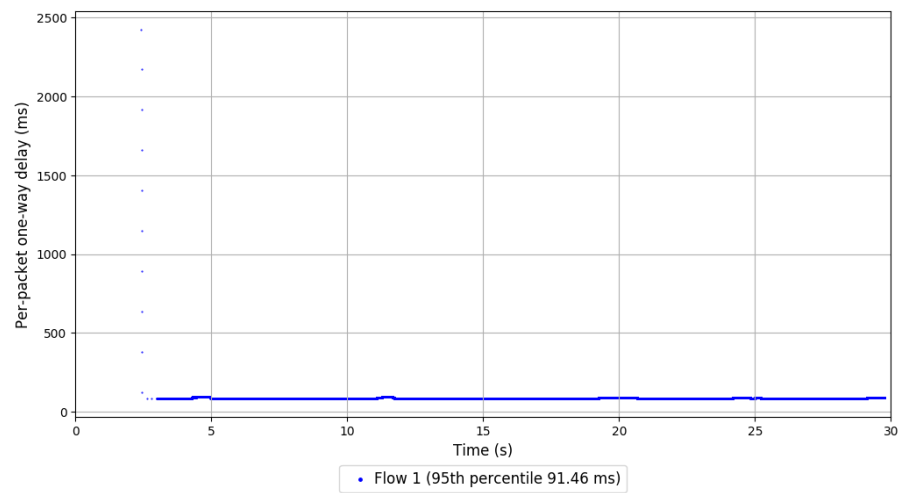
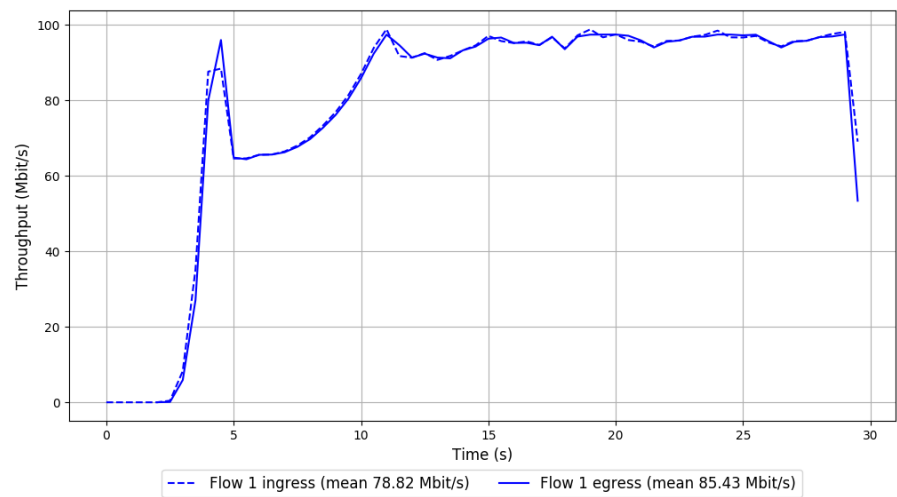


Run 4: Statistics of PCC

Start at: 2018-01-16 11:21:10
End at: 2018-01-16 11:21:40
Local clock offset: -0.125 ms
Remote clock offset: -2.985 ms

Below is generated by plot.py at 2018-01-16 17:26:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 91.456 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 91.456 ms
Loss rate: 0.71%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-16 11:43:21

End at: 2018-01-16 11:43:51

Local clock offset: 0.048 ms

Remote clock offset: 1.901 ms

Below is generated by plot.py at 2018-01-16 17:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 89.155 ms

Loss rate: 0.65%

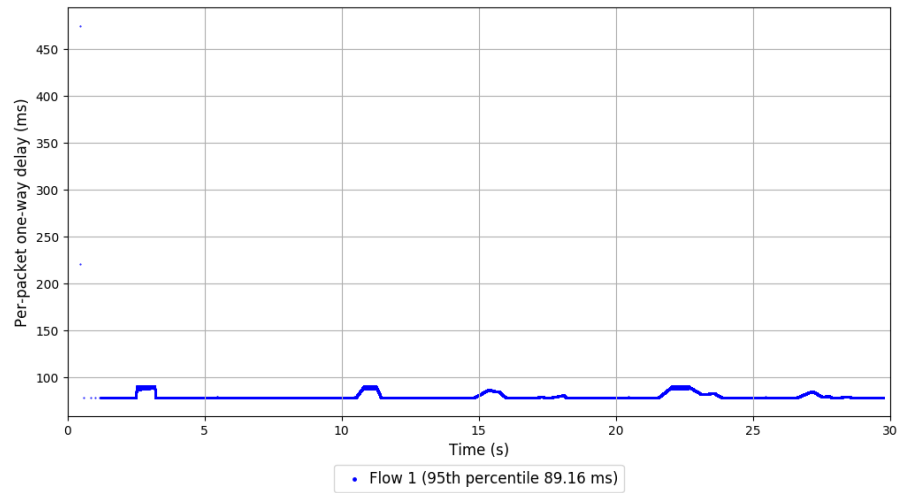
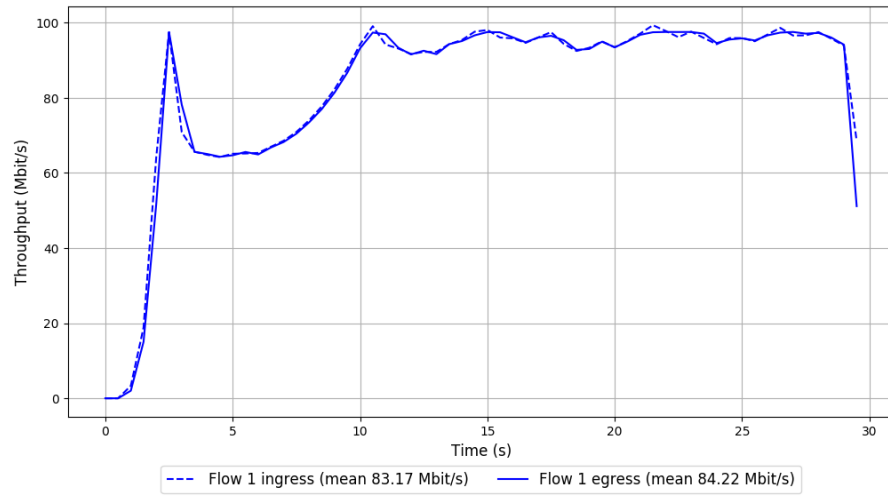
-- Flow 1:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 89.155 ms

Loss rate: 0.65%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-16 12:05:31

End at: 2018-01-16 12:06:01

Local clock offset: 0.175 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-01-16 17:27:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 87.540 ms

Loss rate: 0.62%

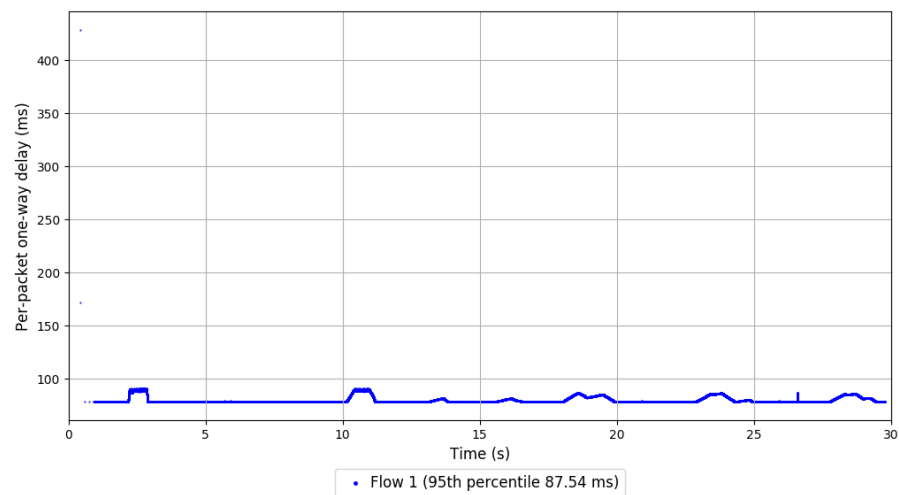
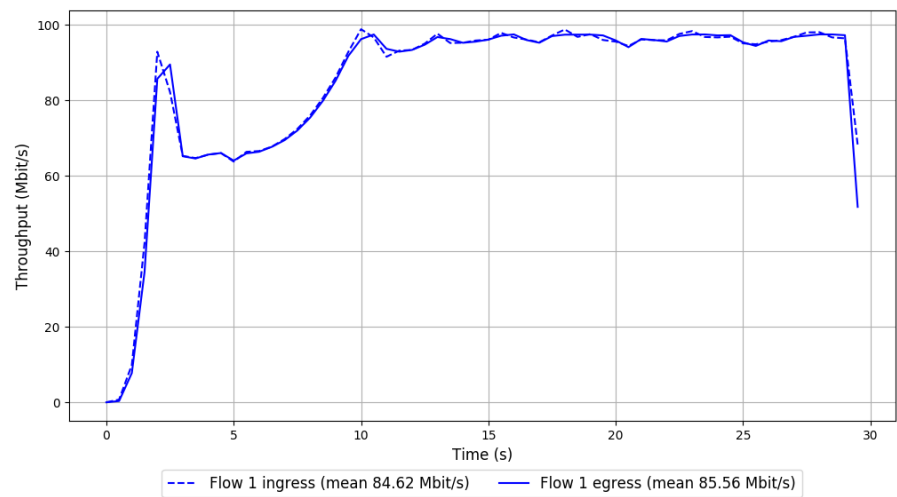
-- Flow 1:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 87.540 ms

Loss rate: 0.62%

Run 6: Report of PCC — Data Link

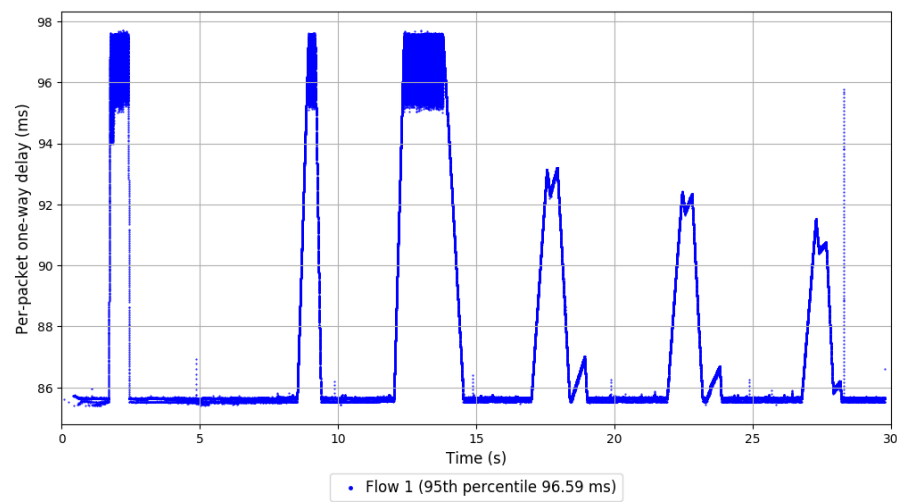
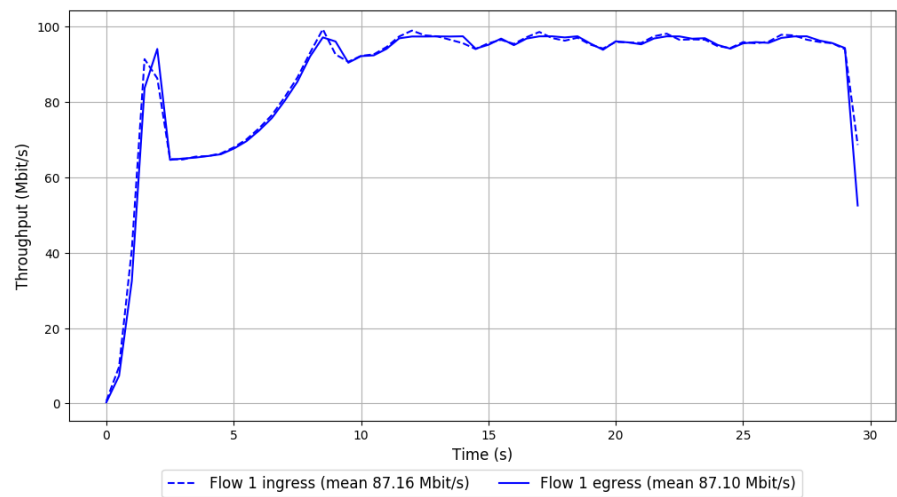


Run 7: Statistics of PCC

Start at: 2018-01-16 12:27:41
End at: 2018-01-16 12:28:11
Local clock offset: 0.403 ms
Remote clock offset: -4.732 ms

Below is generated by plot.py at 2018-01-16 17:27:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.10 Mbit/s
95th percentile per-packet one-way delay: 96.594 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 87.10 Mbit/s
95th percentile per-packet one-way delay: 96.594 ms
Loss rate: 0.62%

Run 7: Report of PCC — Data Link

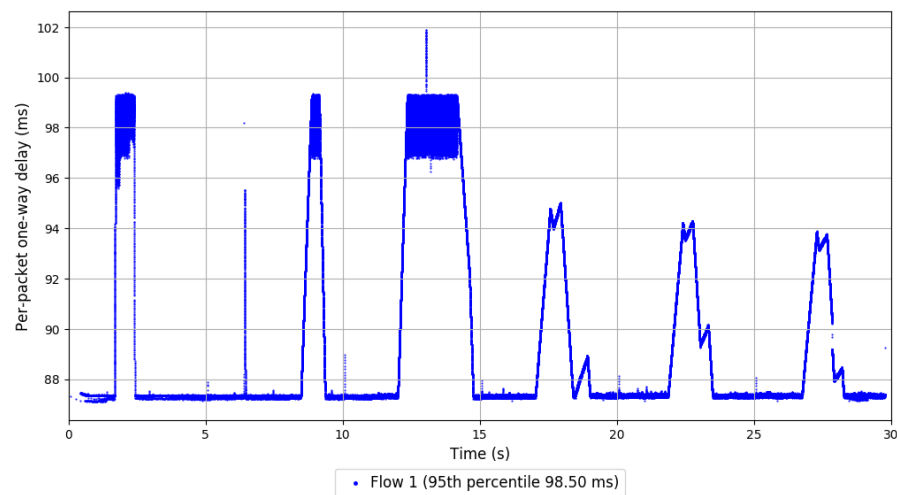
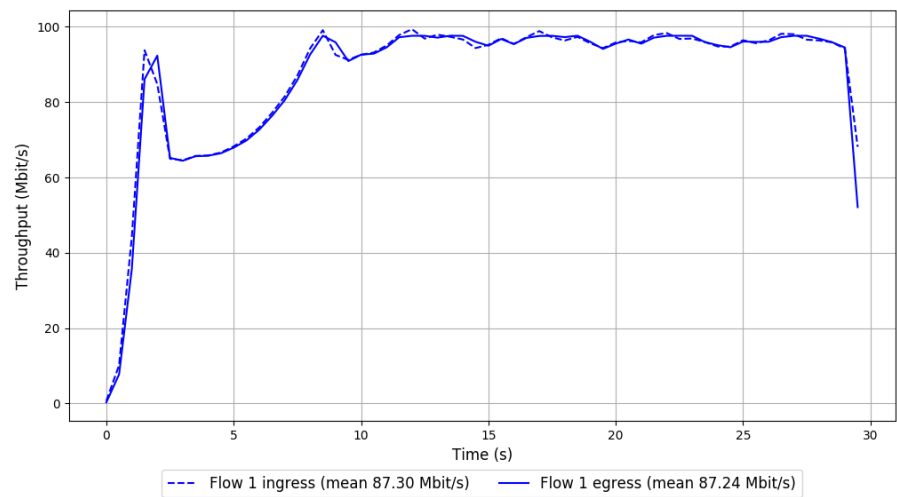


Run 8: Statistics of PCC

Start at: 2018-01-16 12:49:51
End at: 2018-01-16 12:50:21
Local clock offset: 0.583 ms
Remote clock offset: -5.208 ms

Below is generated by plot.py at 2018-01-16 17:27:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 98.499 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 98.499 ms
Loss rate: 0.62%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-16 13:12:00

End at: 2018-01-16 13:12:30

Local clock offset: 0.394 ms

Remote clock offset: 1.264 ms

Below is generated by plot.py at 2018-01-16 17:27:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.06 Mbit/s

95th percentile per-packet one-way delay: 91.938 ms

Loss rate: 0.64%

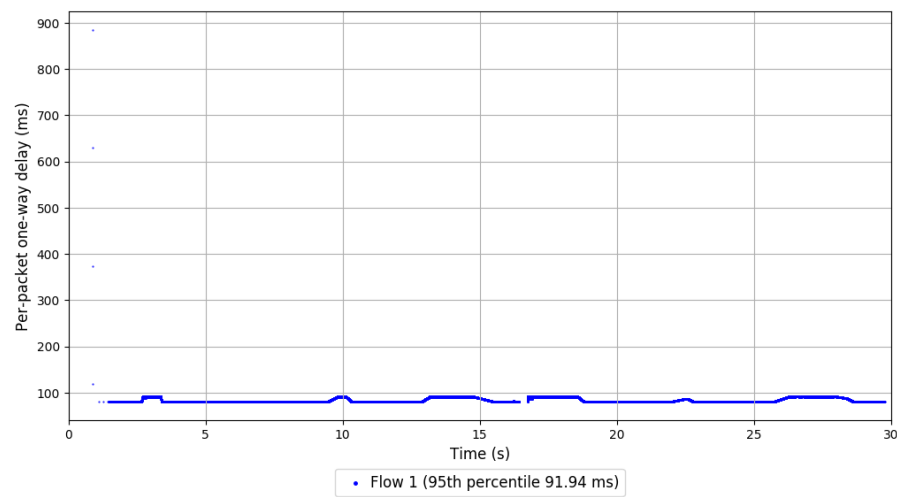
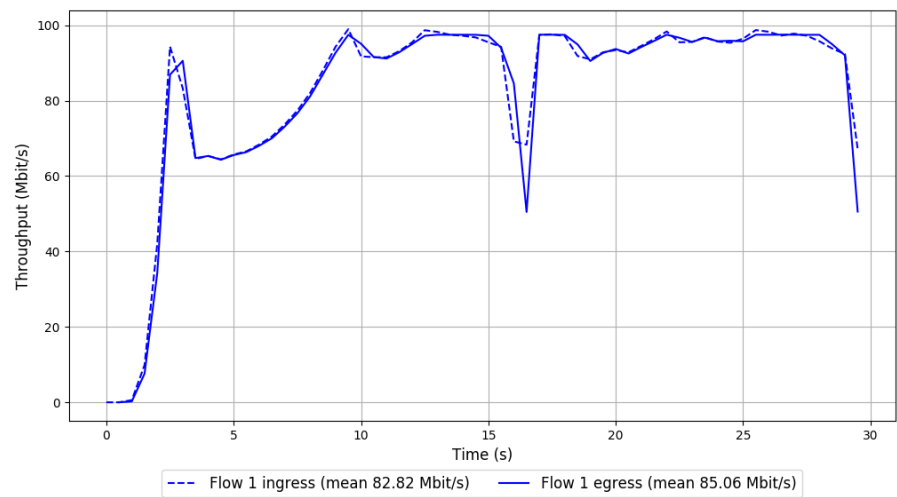
-- Flow 1:

Average throughput: 85.06 Mbit/s

95th percentile per-packet one-way delay: 91.938 ms

Loss rate: 0.64%

Run 9: Report of PCC — Data Link

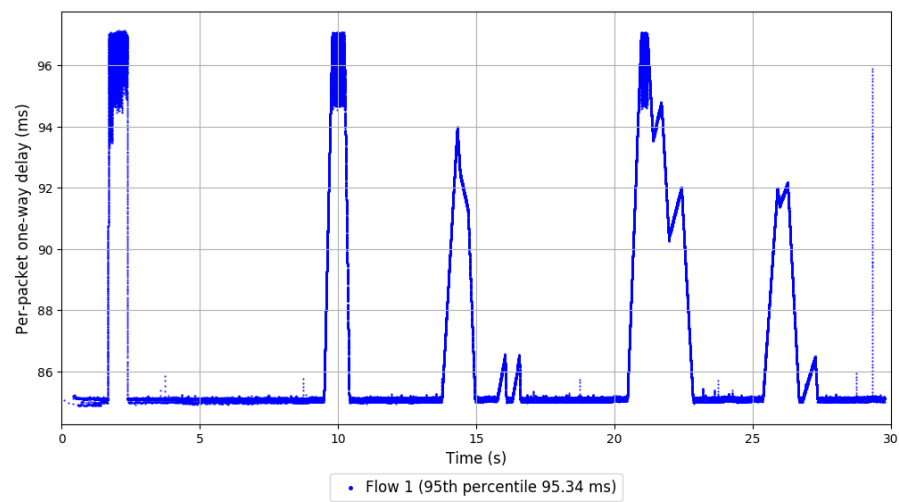
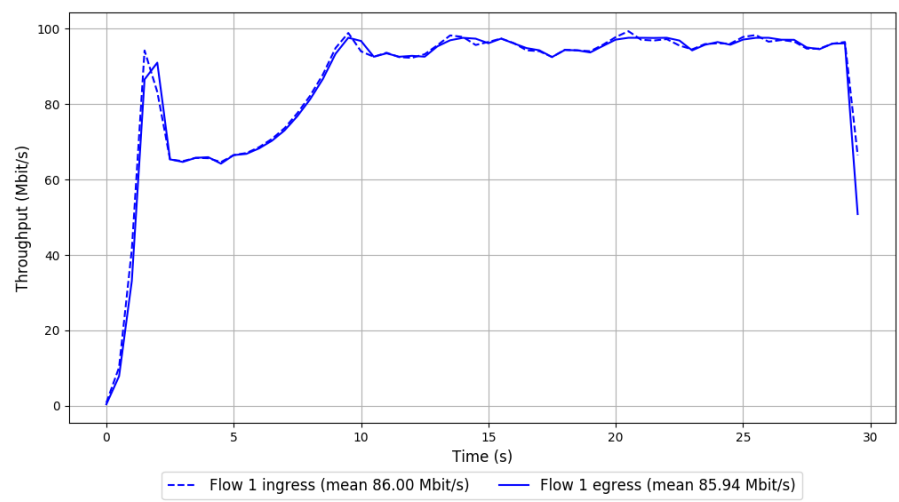


Run 10: Statistics of PCC

Start at: 2018-01-16 13:34:08
End at: 2018-01-16 13:34:38
Local clock offset: -0.002 ms
Remote clock offset: -4.075 ms

Below is generated by plot.py at 2018-01-16 17:27:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 95.337 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 95.337 ms
Loss rate: 0.62%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 10:05:58

End at: 2018-01-16 10:06:28

Local clock offset: 0.231 ms

Remote clock offset: -5.2 ms

Below is generated by plot.py at 2018-01-16 17:27:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.84 Mbit/s

95th percentile per-packet one-way delay: 95.188 ms

Loss rate: 0.73%

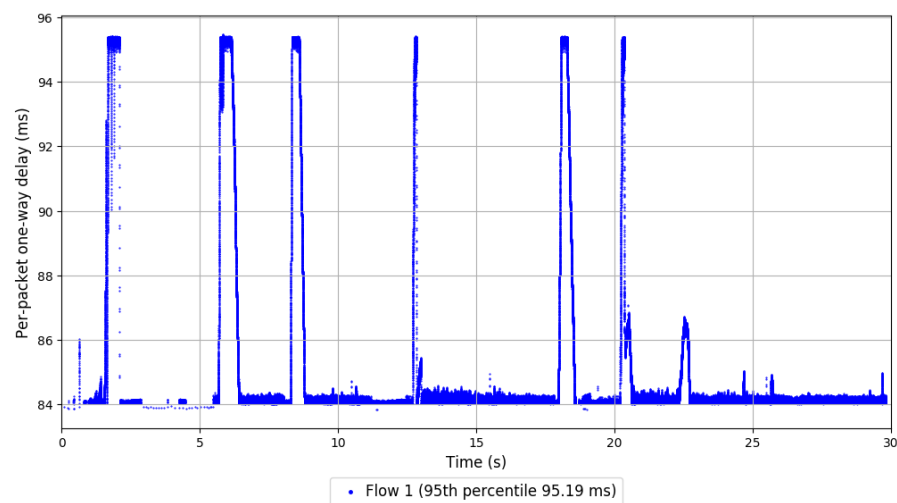
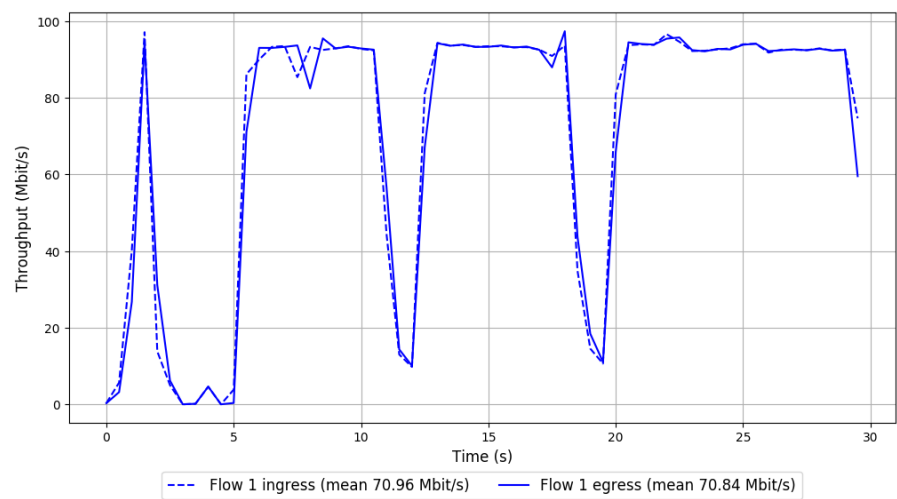
-- Flow 1:

Average throughput: 70.84 Mbit/s

95th percentile per-packet one-way delay: 95.188 ms

Loss rate: 0.73%

Run 1: Report of QUIC Cubic — Data Link

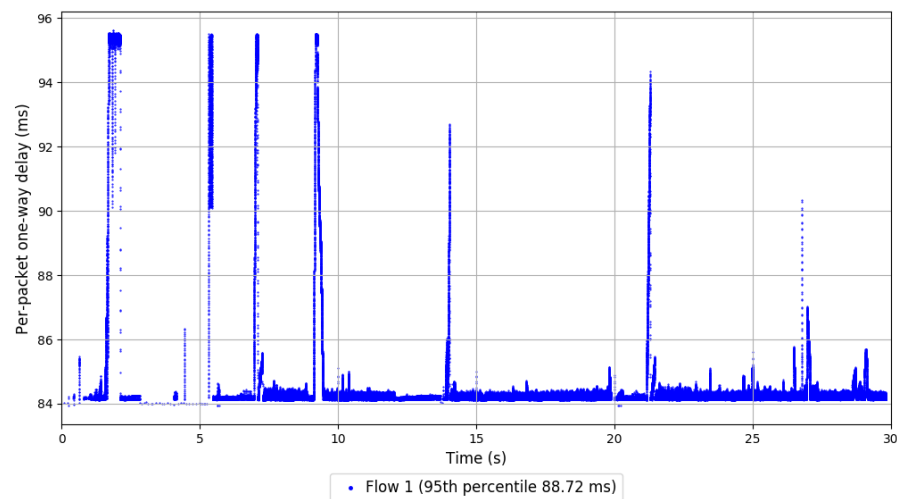
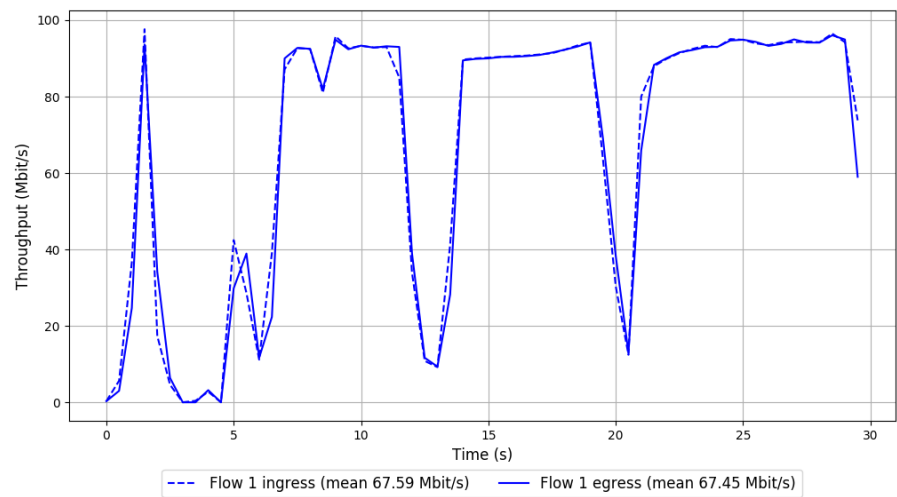


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 10:28:11
End at: 2018-01-16 10:28:41
Local clock offset: -0.182 ms
Remote clock offset: -4.896 ms

Below is generated by plot.py at 2018-01-16 17:27:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.45 Mbit/s
95th percentile per-packet one-way delay: 88.720 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 67.45 Mbit/s
95th percentile per-packet one-way delay: 88.720 ms
Loss rate: 0.75%

Run 2: Report of QUIC Cubic — Data Link

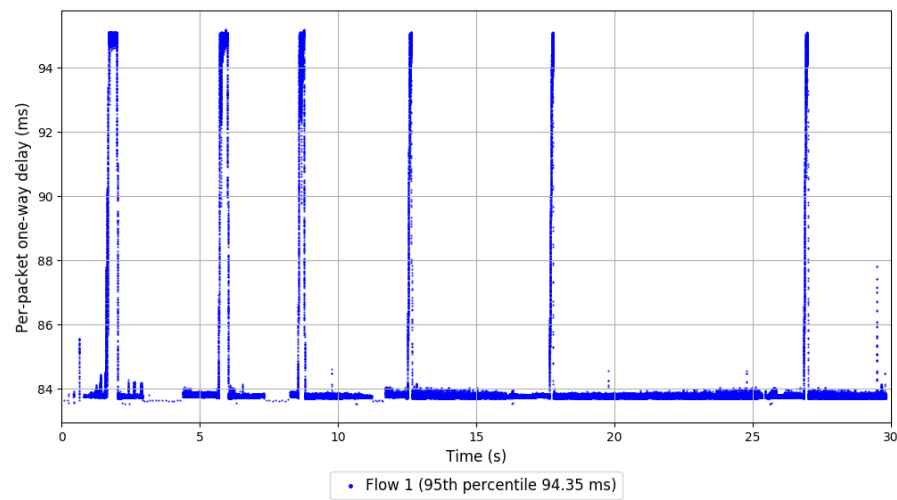
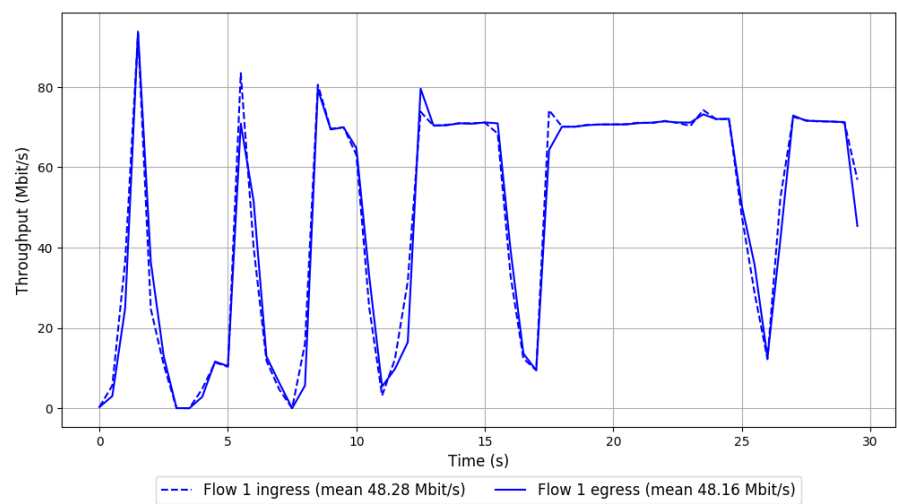


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-16 10:50:22
End at: 2018-01-16 10:50:52
Local clock offset: -0.302 ms
Remote clock offset: -4.596 ms

Below is generated by plot.py at 2018-01-16 17:27:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 94.353 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 94.353 ms
Loss rate: 0.81%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-16 11:12:33

End at: 2018-01-16 11:13:03

Local clock offset: -0.231 ms

Remote clock offset: 2.561 ms

Below is generated by plot.py at 2018-01-16 17:27:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 89.178 ms

Loss rate: 0.81%

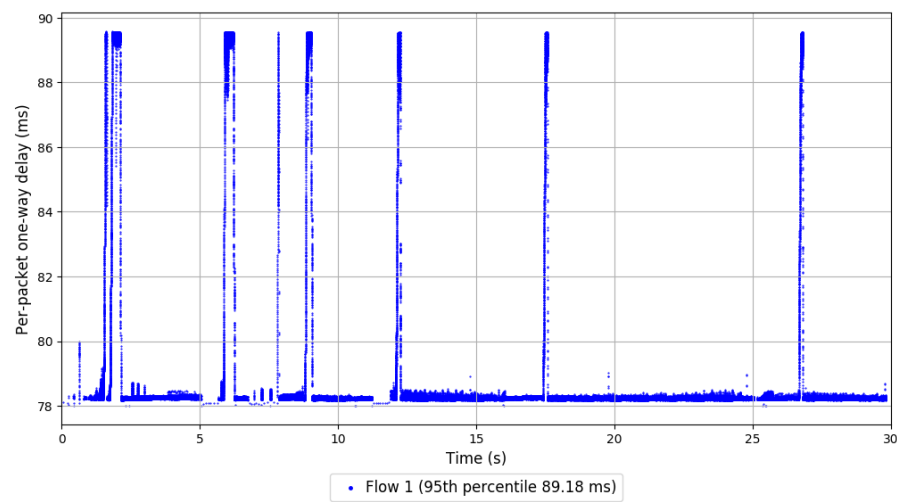
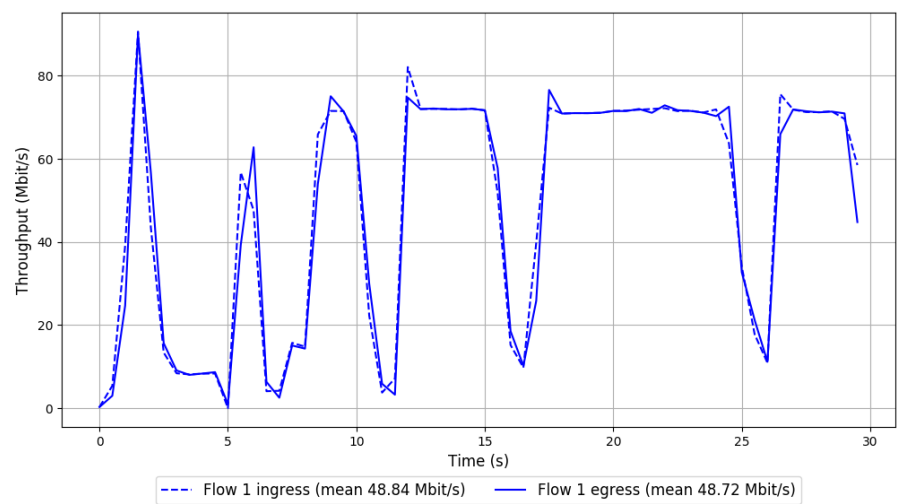
-- Flow 1:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 89.178 ms

Loss rate: 0.81%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-16 11:34:44

End at: 2018-01-16 11:35:15

Local clock offset: -0.051 ms

Remote clock offset: 1.048 ms

Below is generated by plot.py at 2018-01-16 17:28:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.65 Mbit/s

95th percentile per-packet one-way delay: 89.963 ms

Loss rate: 0.78%

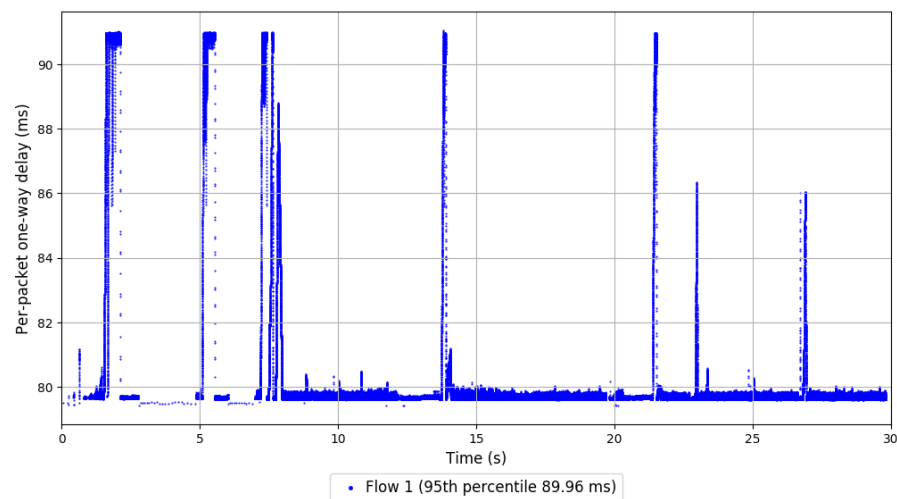
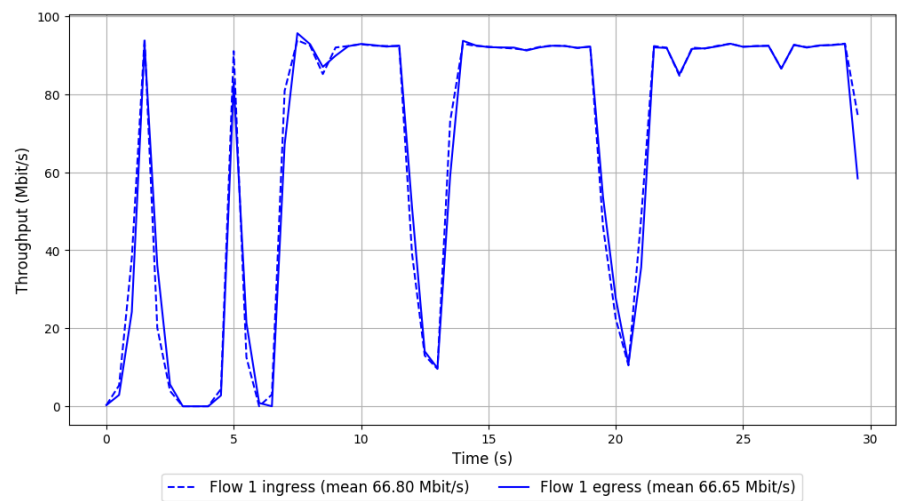
-- Flow 1:

Average throughput: 66.65 Mbit/s

95th percentile per-packet one-way delay: 89.963 ms

Loss rate: 0.78%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-16 11:56:54

End at: 2018-01-16 11:57:24

Local clock offset: 0.181 ms

Remote clock offset: 0.648 ms

Below is generated by plot.py at 2018-01-16 17:28:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.80 Mbit/s

95th percentile per-packet one-way delay: 92.079 ms

Loss rate: 0.72%

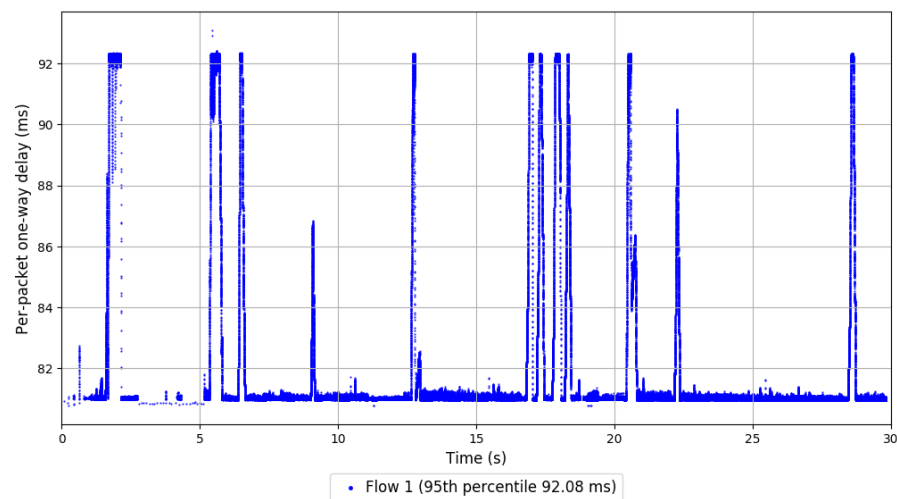
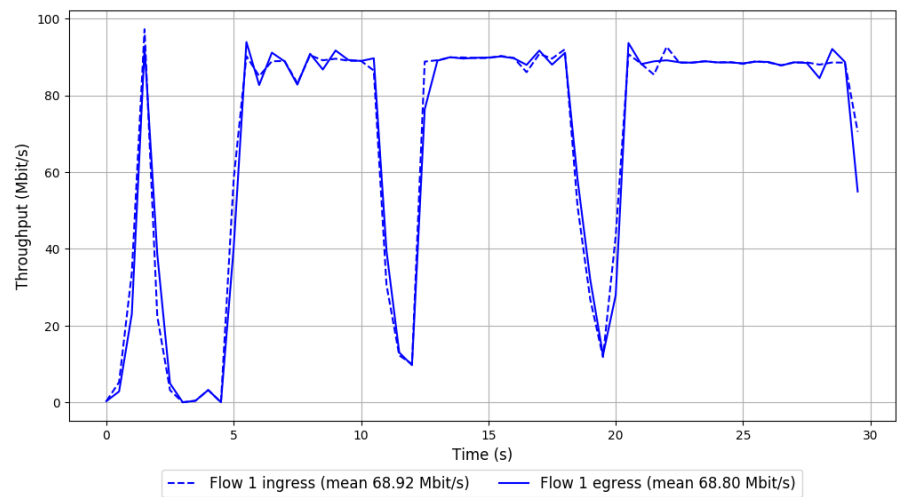
-- Flow 1:

Average throughput: 68.80 Mbit/s

95th percentile per-packet one-way delay: 92.079 ms

Loss rate: 0.72%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-16 12:19:05

End at: 2018-01-16 12:19:35

Local clock offset: 0.324 ms

Remote clock offset: -5.006 ms

Below is generated by plot.py at 2018-01-16 17:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.68 Mbit/s

95th percentile per-packet one-way delay: 96.332 ms

Loss rate: 0.83%

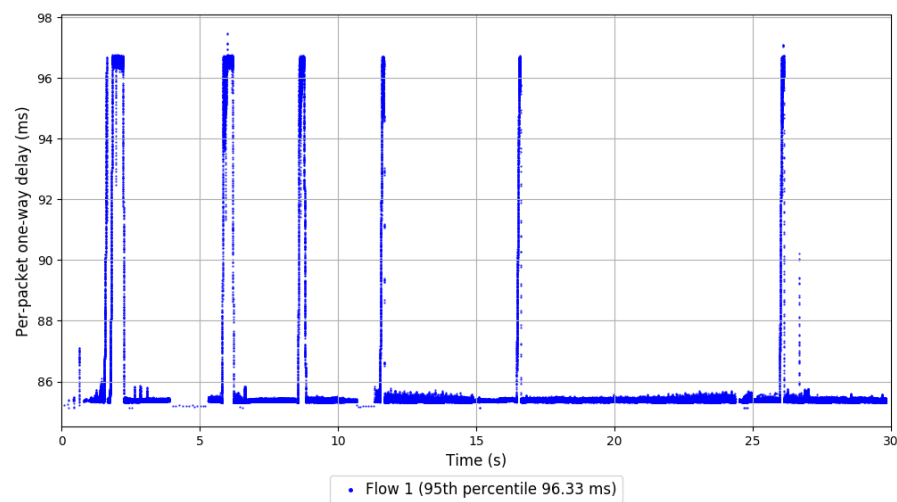
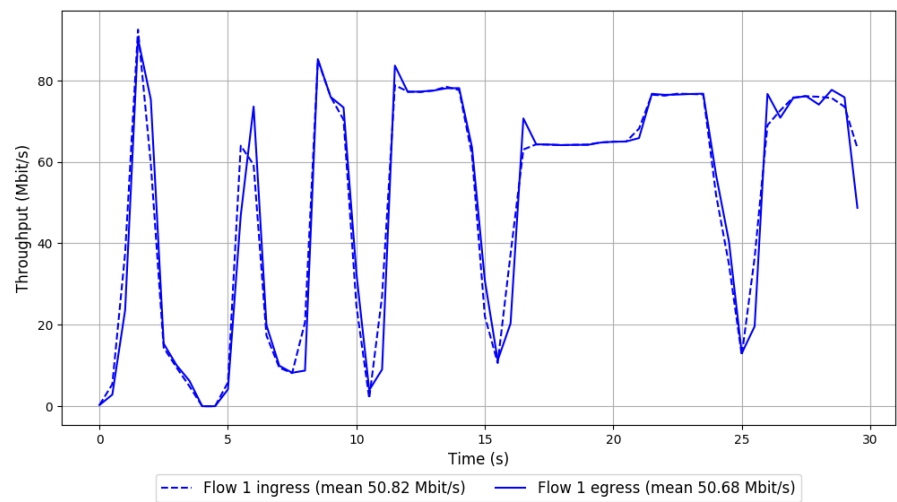
-- Flow 1:

Average throughput: 50.68 Mbit/s

95th percentile per-packet one-way delay: 96.332 ms

Loss rate: 0.83%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-16 12:41:14

End at: 2018-01-16 12:41:44

Local clock offset: 0.547 ms

Remote clock offset: -4.547 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.66 Mbit/s

95th percentile per-packet one-way delay: 91.051 ms

Loss rate: 0.71%

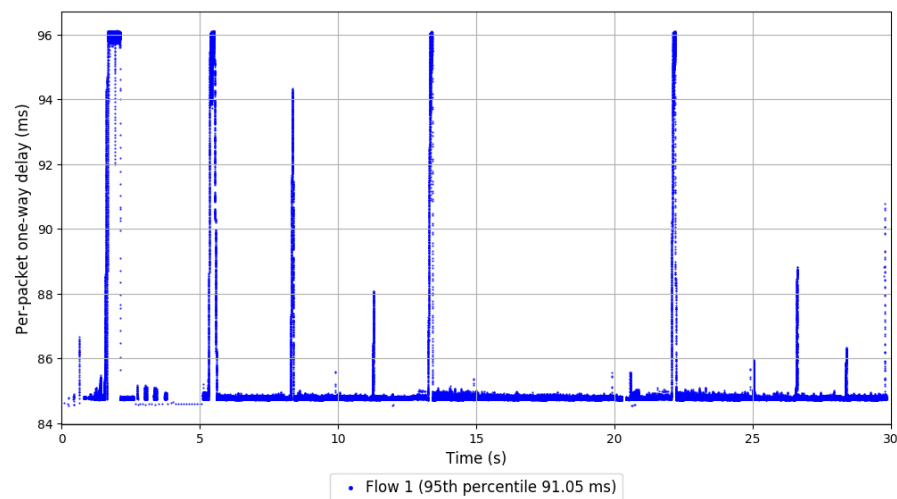
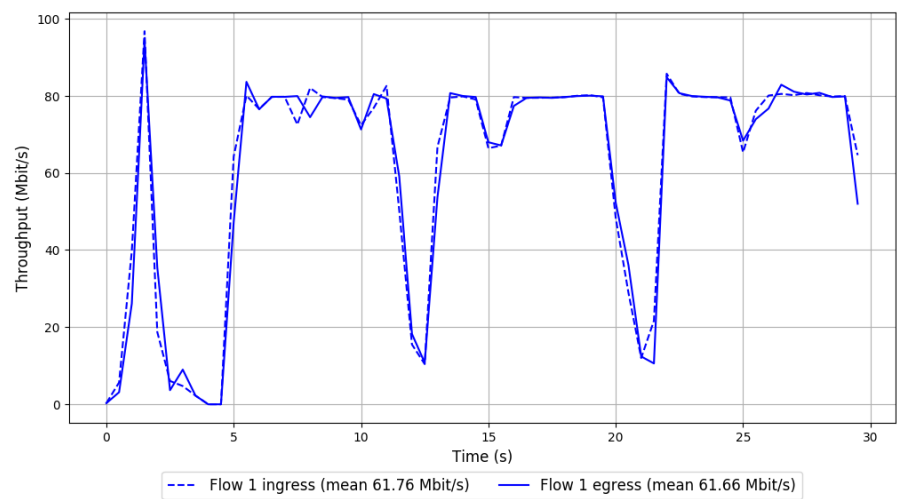
-- Flow 1:

Average throughput: 61.66 Mbit/s

95th percentile per-packet one-way delay: 91.051 ms

Loss rate: 0.71%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-16 13:03:25

End at: 2018-01-16 13:03:55

Local clock offset: 0.698 ms

Remote clock offset: 0.673 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.26 Mbit/s

95th percentile per-packet one-way delay: 91.957 ms

Loss rate: 0.89%

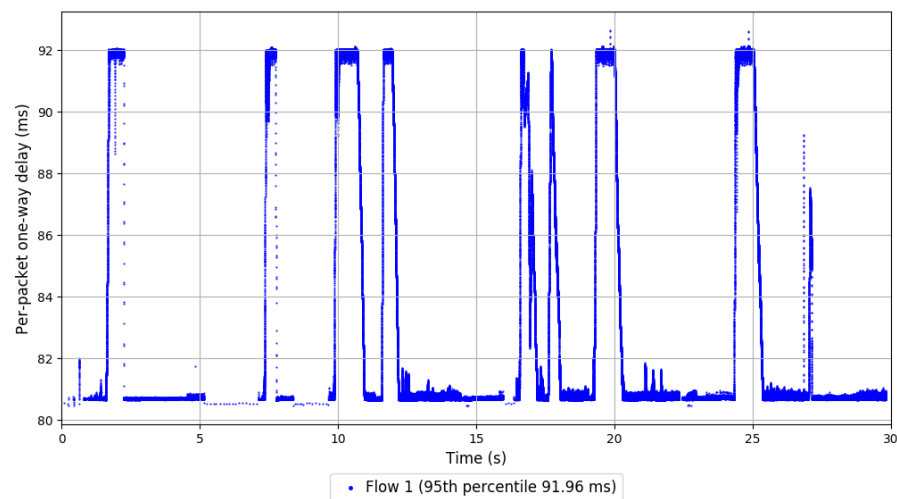
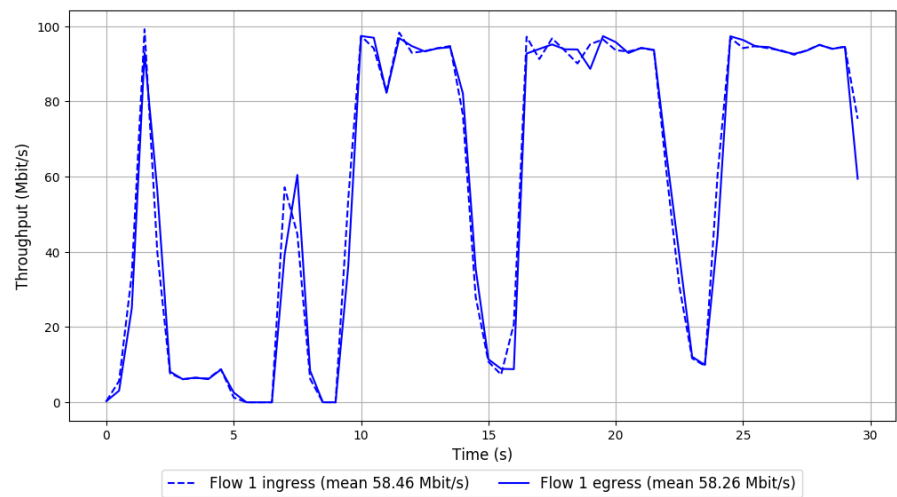
-- Flow 1:

Average throughput: 58.26 Mbit/s

95th percentile per-packet one-way delay: 91.957 ms

Loss rate: 0.89%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-16 13:25:33

End at: 2018-01-16 13:26:03

Local clock offset: 0.081 ms

Remote clock offset: -4.165 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 95.009 ms

Loss rate: 0.86%

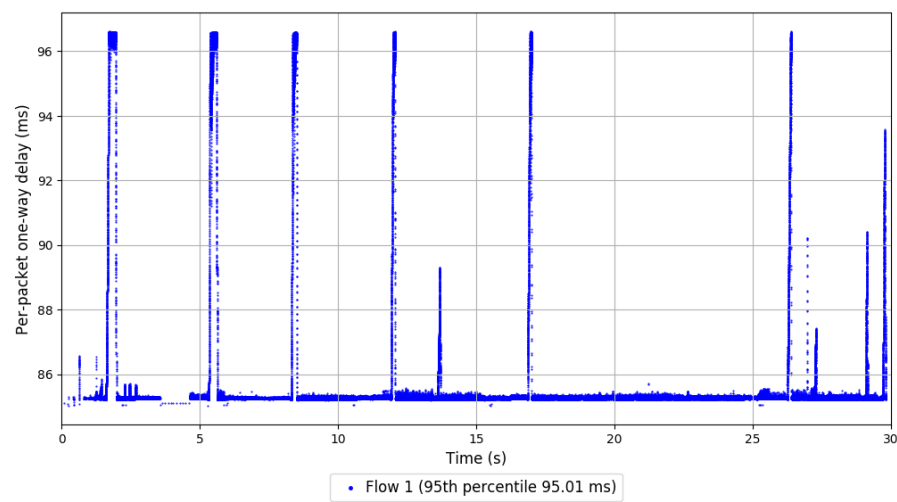
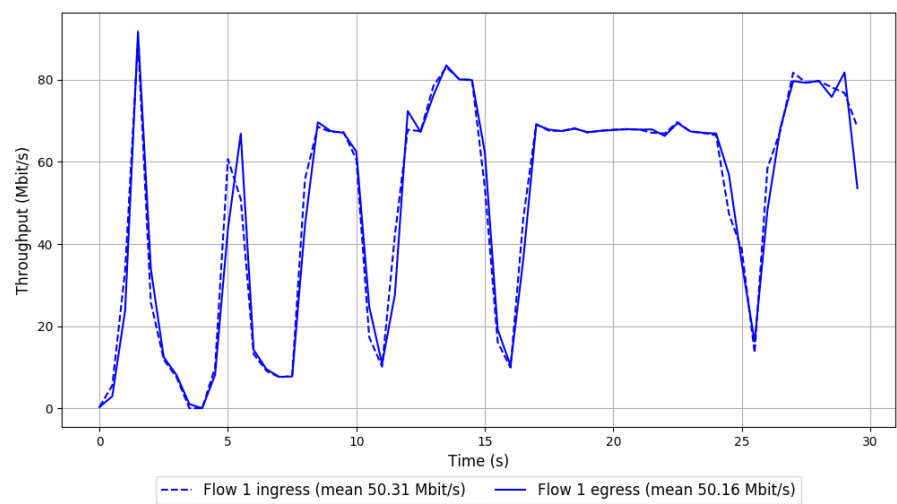
-- Flow 1:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 95.009 ms

Loss rate: 0.86%

Run 10: Report of QUIC Cubic — Data Link

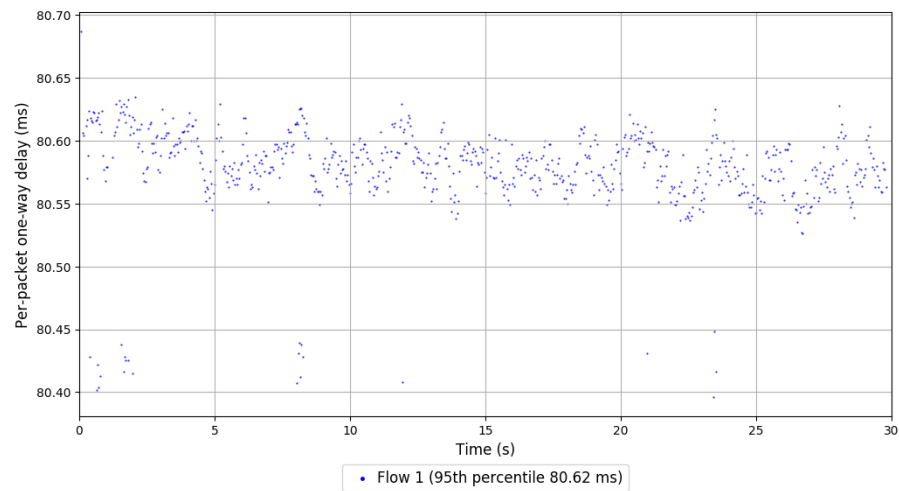
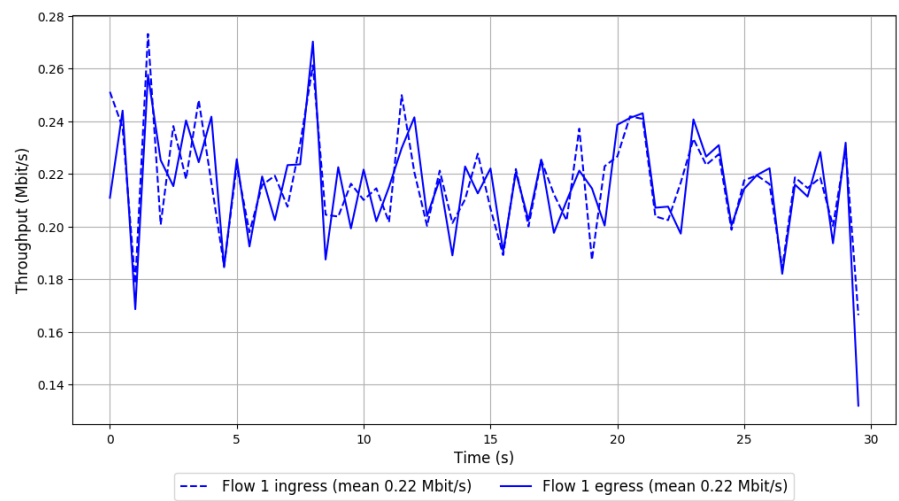


Run 1: Statistics of SCReAM

Start at: 2018-01-16 10:04:49
End at: 2018-01-16 10:05:19
Local clock offset: 0.252 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.617 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.617 ms
Loss rate: 0.51%

Run 1: Report of SReAM — Data Link

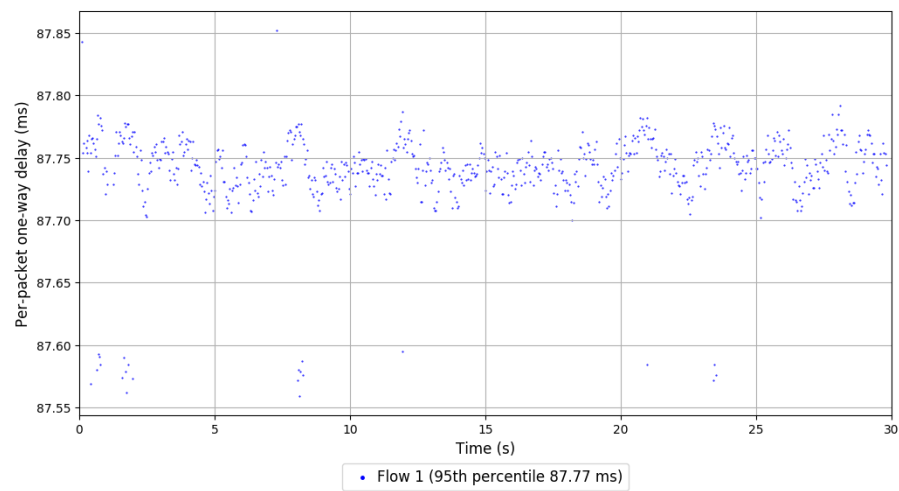
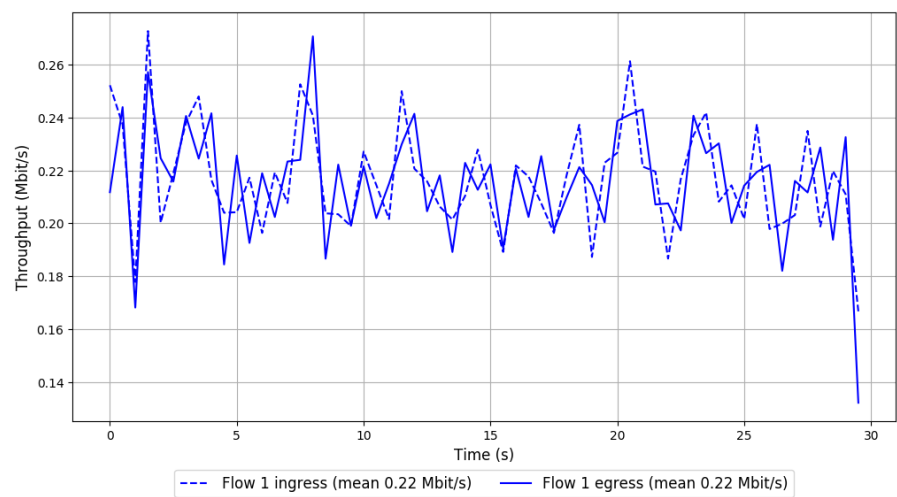


Run 2: Statistics of SCReAM

Start at: 2018-01-16 10:27:02
End at: 2018-01-16 10:27:32
Local clock offset: -0.163 ms
Remote clock offset: -5.337 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.772 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.772 ms
Loss rate: 0.52%

Run 2: Report of SReAM — Data Link

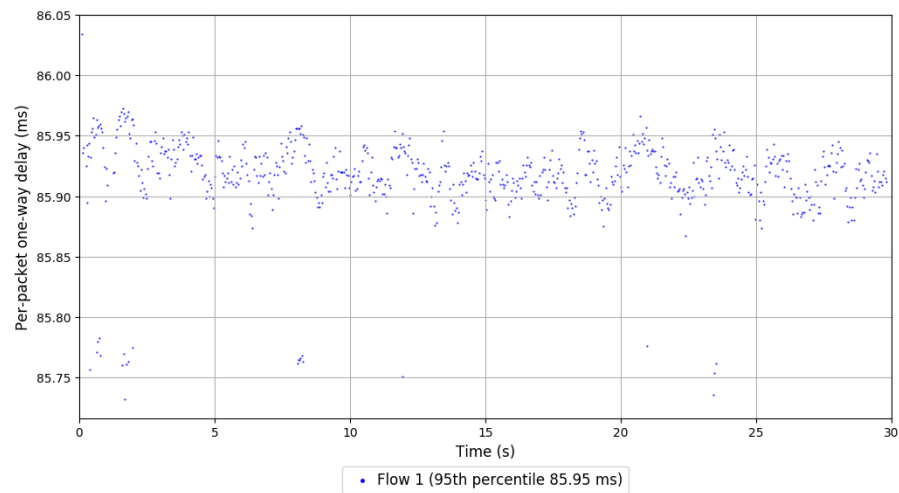
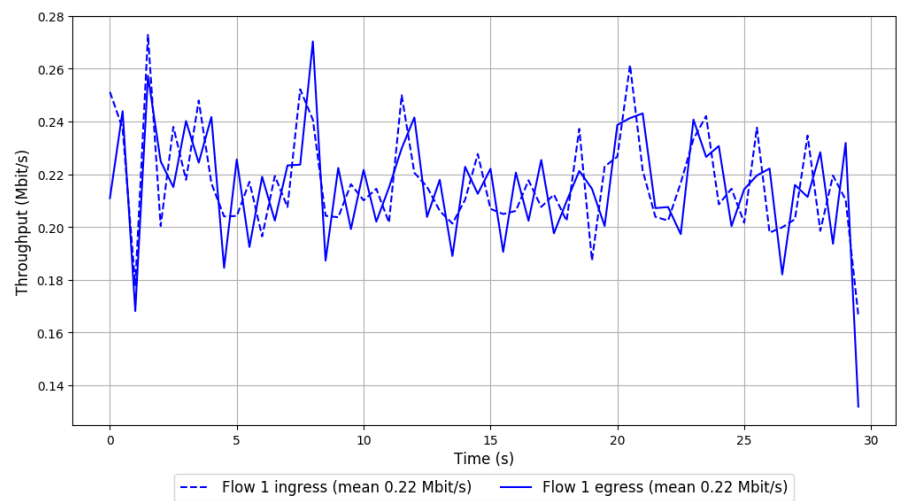


Run 3: Statistics of SCReAM

Start at: 2018-01-16 10:49:13
End at: 2018-01-16 10:49:43
Local clock offset: -0.307 ms
Remote clock offset: -5.384 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.953 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.953 ms
Loss rate: 0.51%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-16 11:11:24

End at: 2018-01-16 11:11:54

Local clock offset: -0.233 ms

Remote clock offset: 1.714 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.584 ms

Loss rate: 0.52%

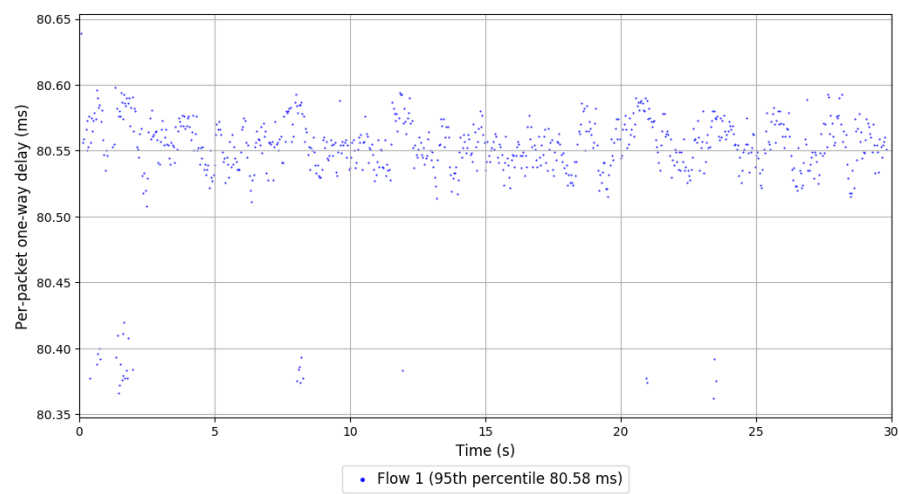
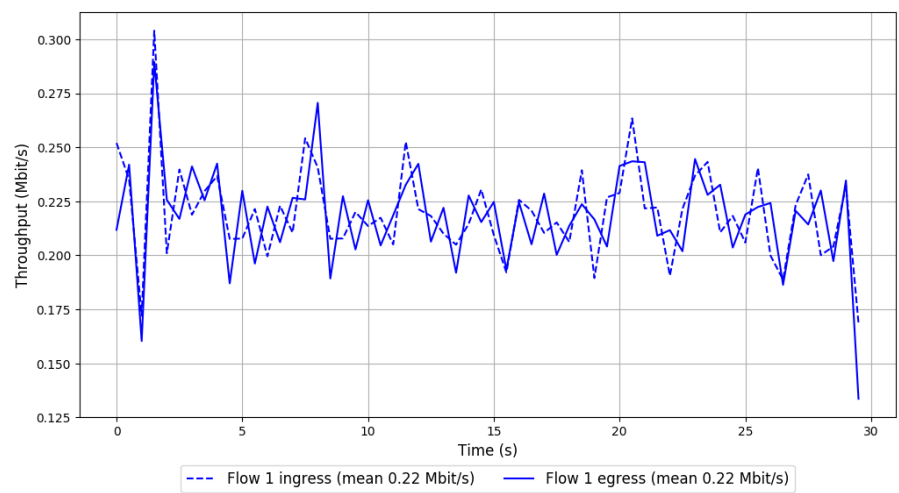
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.584 ms

Loss rate: 0.52%

Run 4: Report of SReAM — Data Link

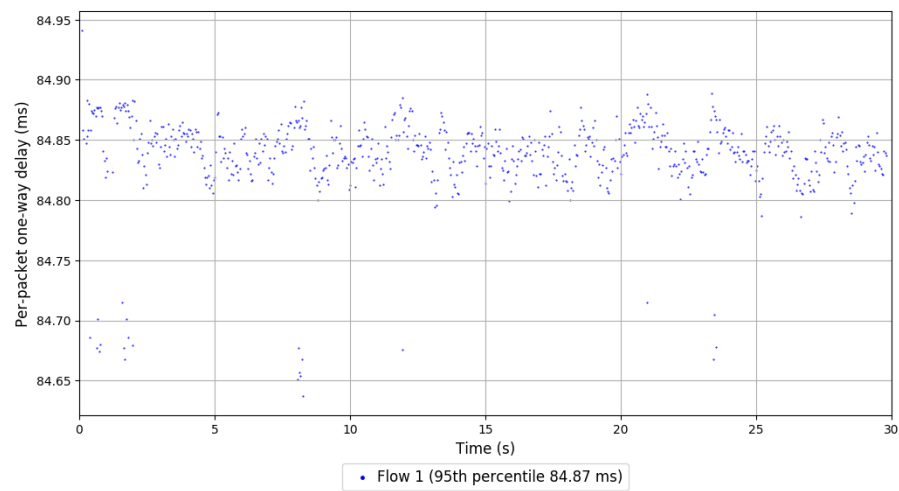
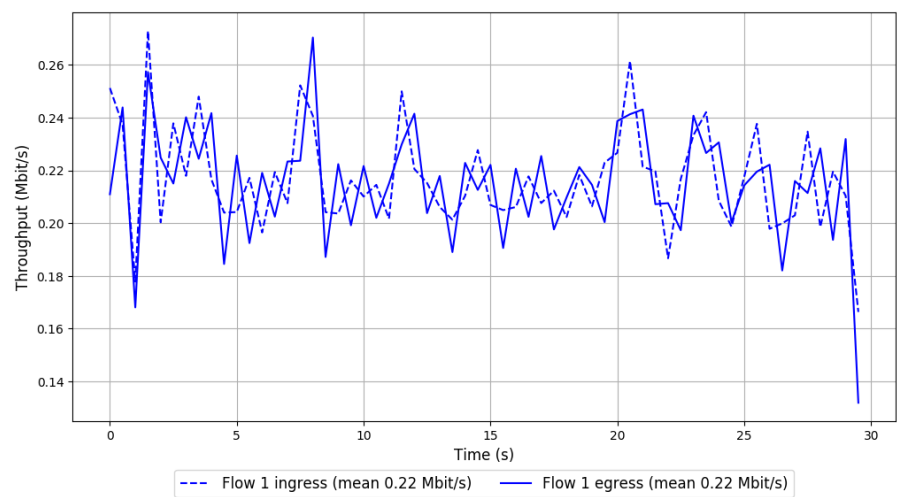


Run 5: Statistics of SCReAM

Start at: 2018-01-16 11:33:35
End at: 2018-01-16 11:34:05
Local clock offset: -0.085 ms
Remote clock offset: -3.746 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.874 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.874 ms
Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

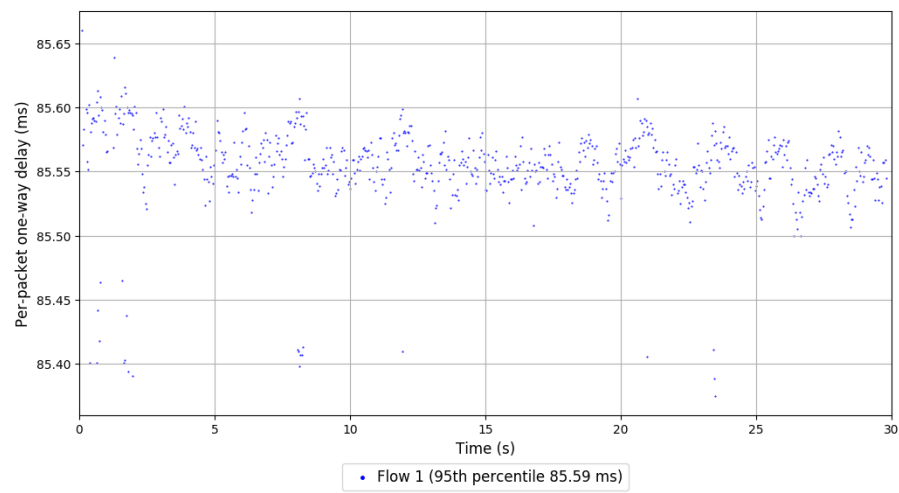
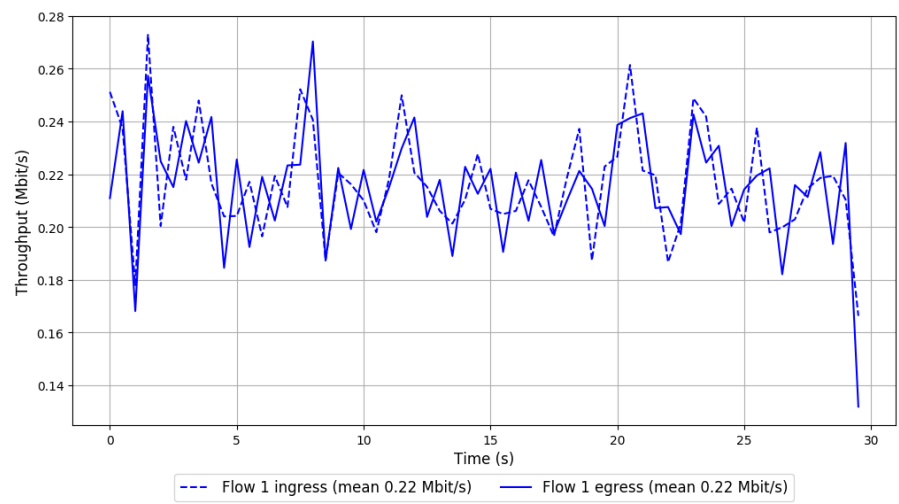


Run 6: Statistics of SCReAM

Start at: 2018-01-16 11:55:45
End at: 2018-01-16 11:56:15
Local clock offset: 0.173 ms
Remote clock offset: -5.096 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.593 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.593 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

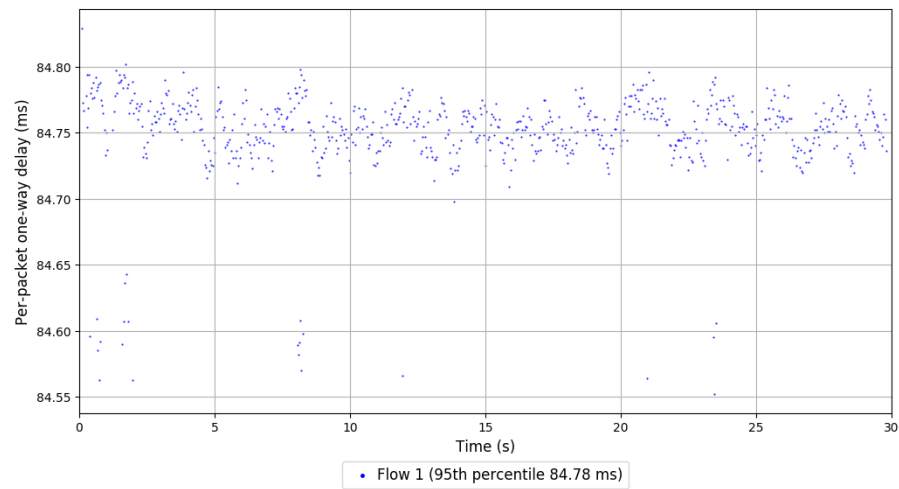
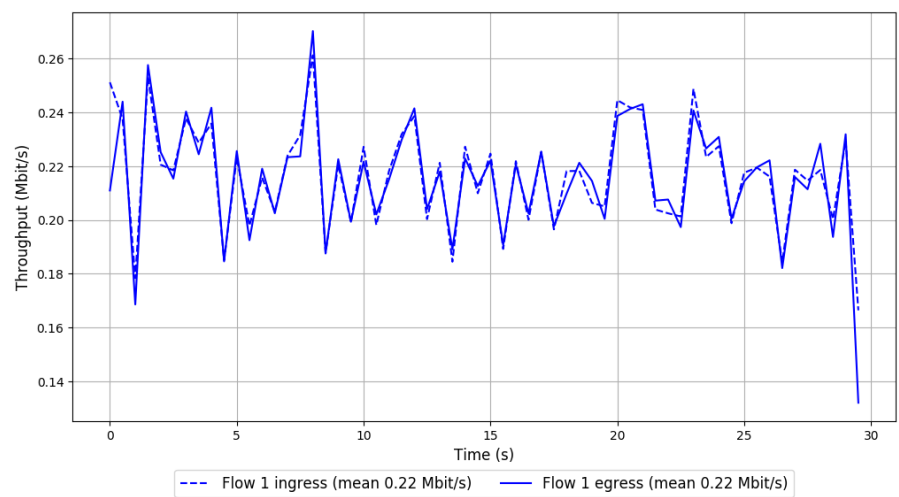


Run 7: Statistics of SCReAM

Start at: 2018-01-16 12:17:56
End at: 2018-01-16 12:18:26
Local clock offset: 0.254 ms
Remote clock offset: -5.751 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.784 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.784 ms
Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-16 12:40:05

End at: 2018-01-16 12:40:35

Local clock offset: 0.534 ms

Remote clock offset: 0.258 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.837 ms

Loss rate: 0.52%

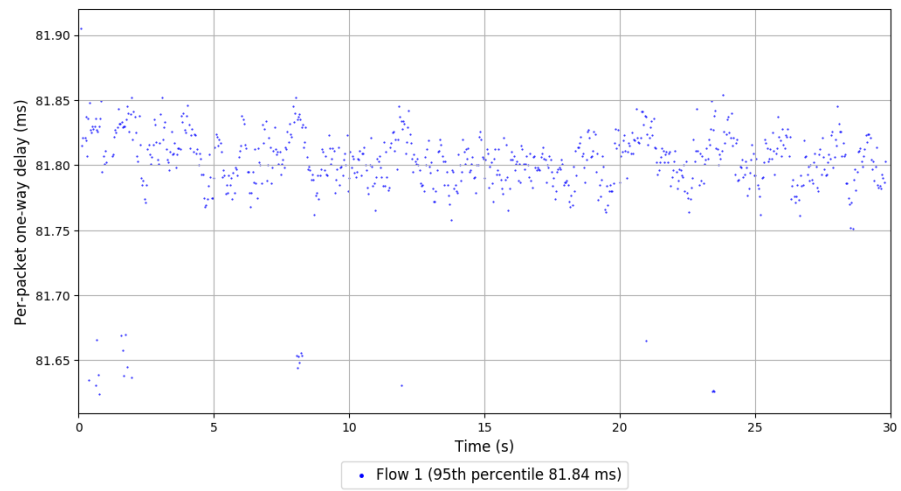
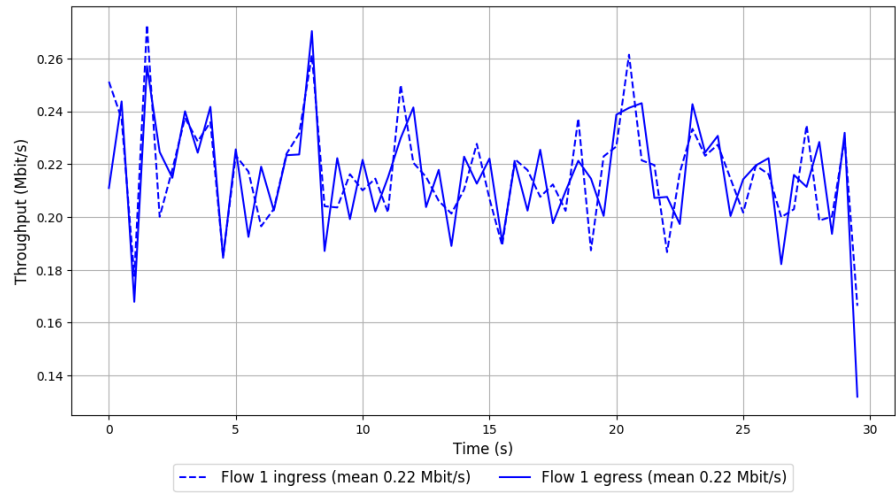
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.837 ms

Loss rate: 0.52%

Run 8: Report of SReAM — Data Link

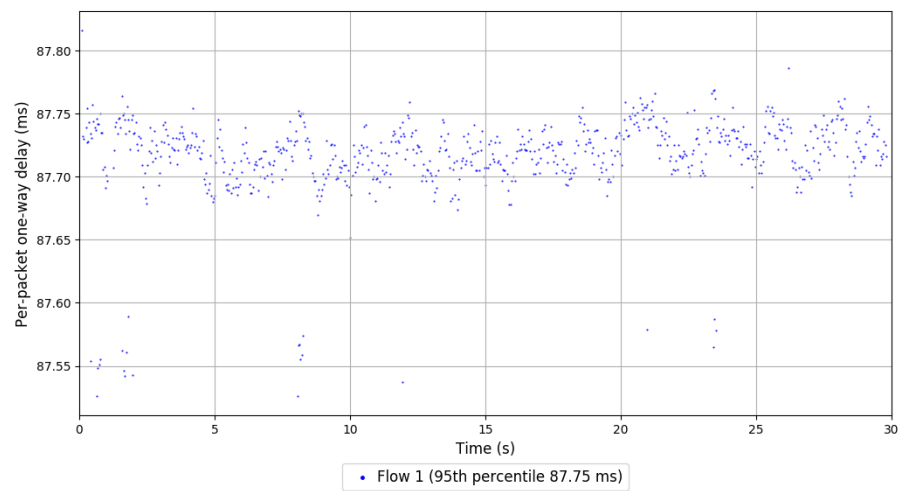
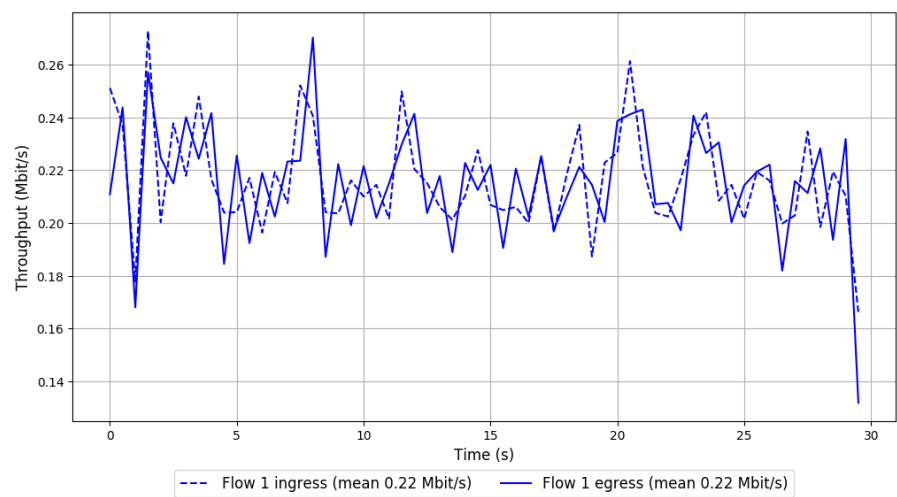


Run 9: Statistics of SCReAM

Start at: 2018-01-16 13:02:16
End at: 2018-01-16 13:02:46
Local clock offset: 0.714 ms
Remote clock offset: -5.056 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.751 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.751 ms
Loss rate: 0.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-01-16 13:24:24

End at: 2018-01-16 13:24:54

Local clock offset: 0.168 ms

Remote clock offset: 0.722 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.833 ms

Loss rate: 0.51%

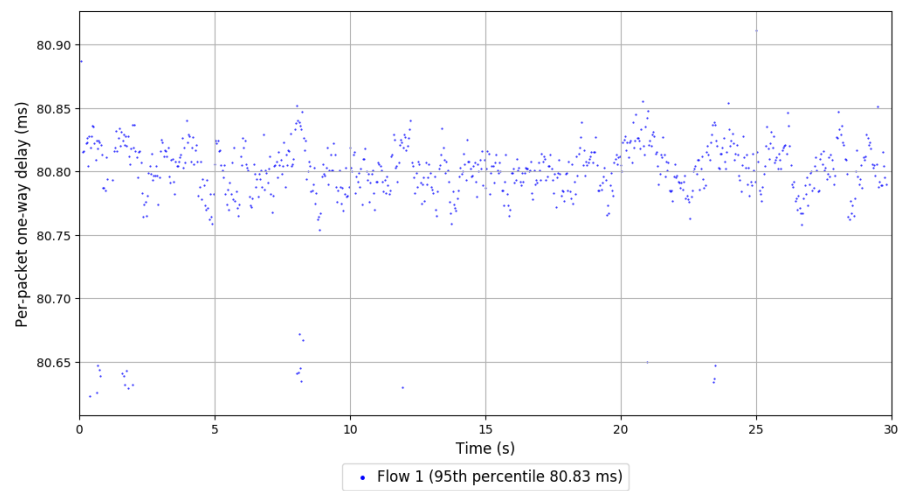
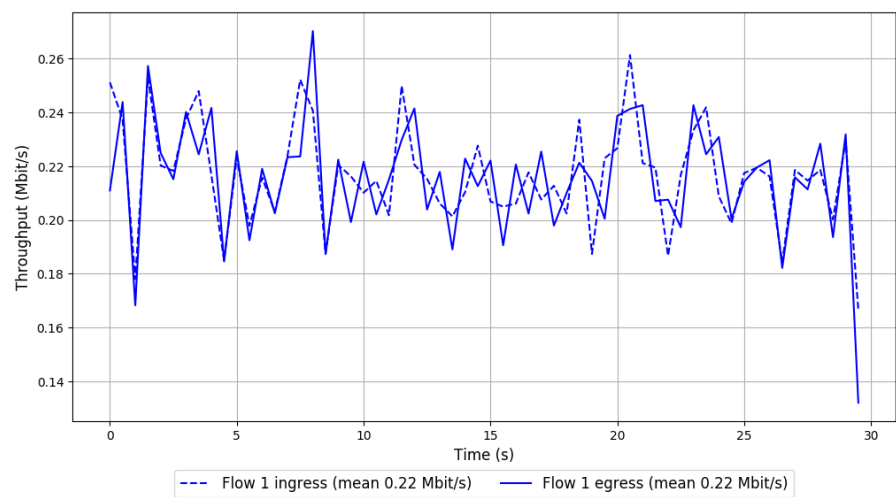
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.833 ms

Loss rate: 0.51%

Run 10: Report of SCRaM — Data Link

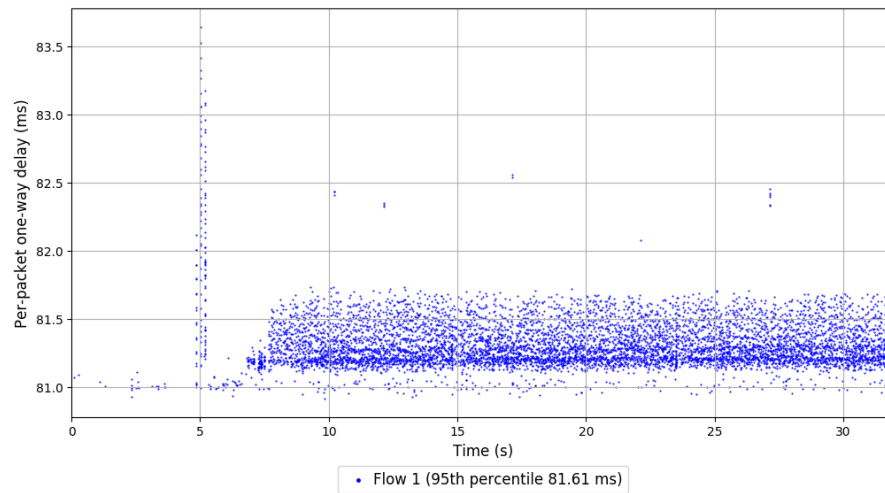
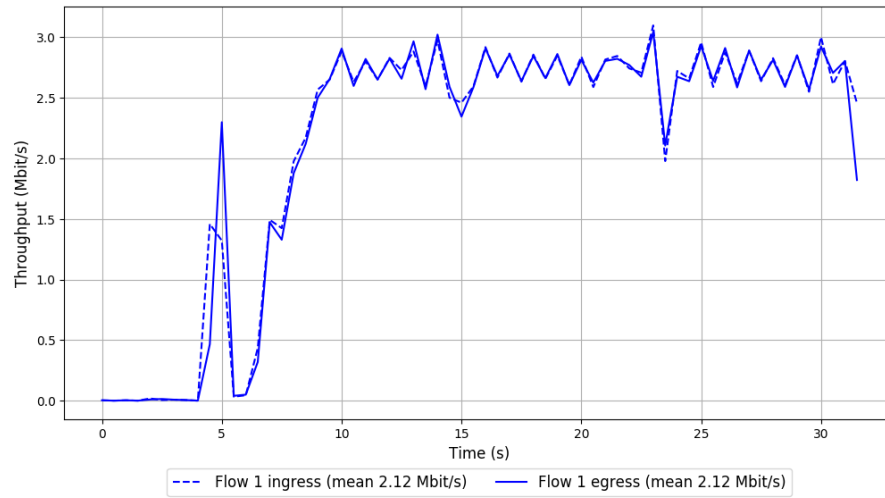


Run 1: Statistics of WebRTC media

Start at: 2018-01-16 10:10:55
End at: 2018-01-16 10:11:25
Local clock offset: 0.155 ms
Remote clock offset: -0.631 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 81.609 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 81.609 ms
Loss rate: 0.78%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-16 10:33:07

End at: 2018-01-16 10:33:37

Local clock offset: -0.246 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 79.690 ms

Loss rate: 0.61%

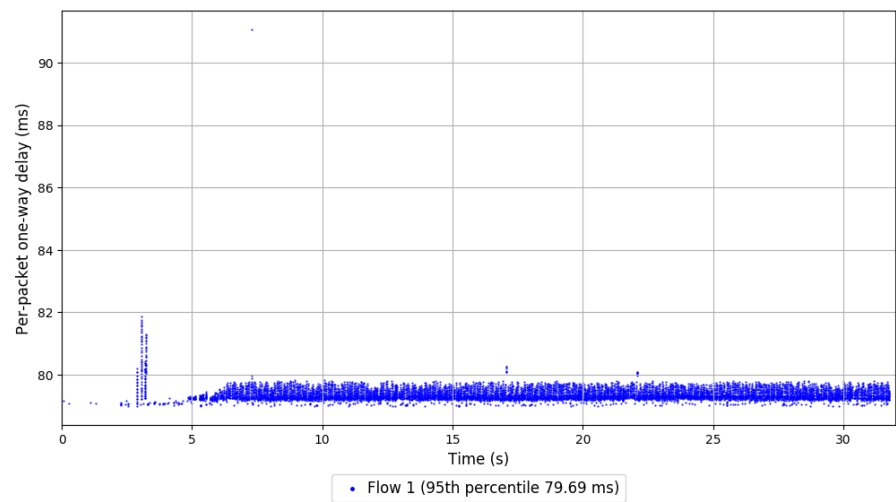
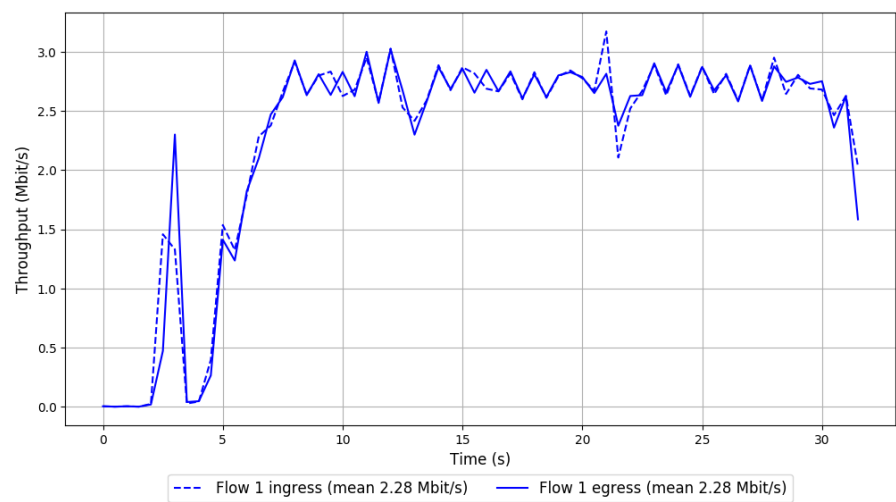
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 79.690 ms

Loss rate: 0.61%

Run 2: Report of WebRTC media — Data Link

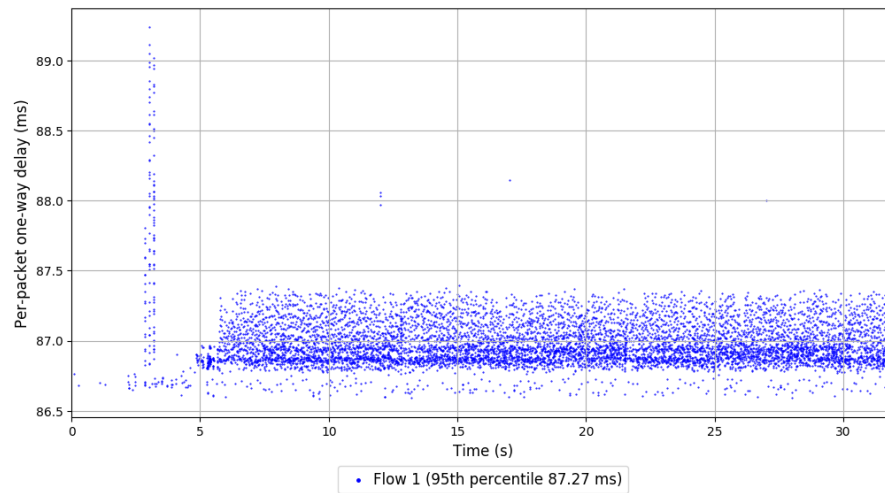
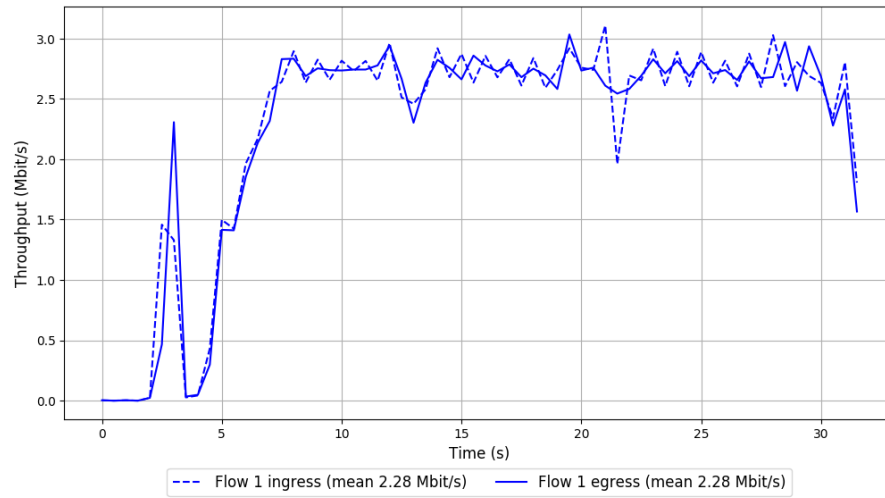


Run 3: Statistics of WebRTC media

Start at: 2018-01-16 10:55:17
End at: 2018-01-16 10:55:47
Local clock offset: -0.285 ms
Remote clock offset: -4.582 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 87.268 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 87.268 ms
Loss rate: 0.61%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-16 11:17:29

End at: 2018-01-16 11:17:59

Local clock offset: -0.142 ms

Remote clock offset: 2.57 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 78.741 ms

Loss rate: 0.61%

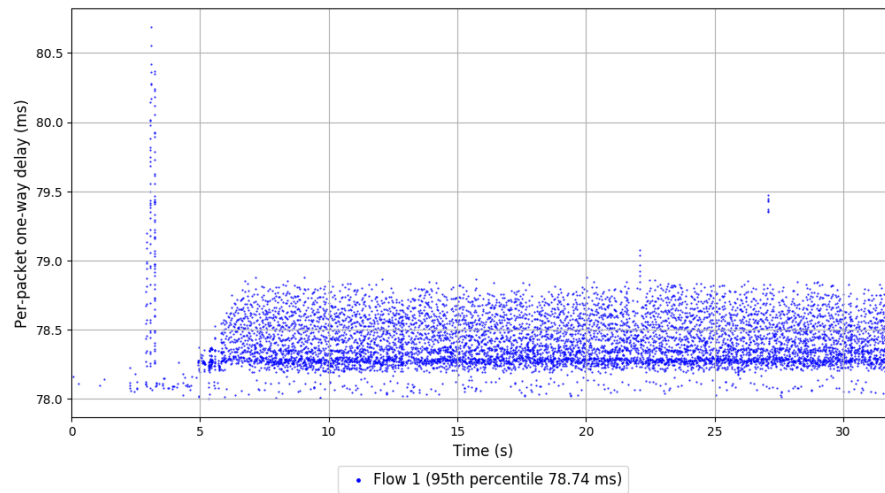
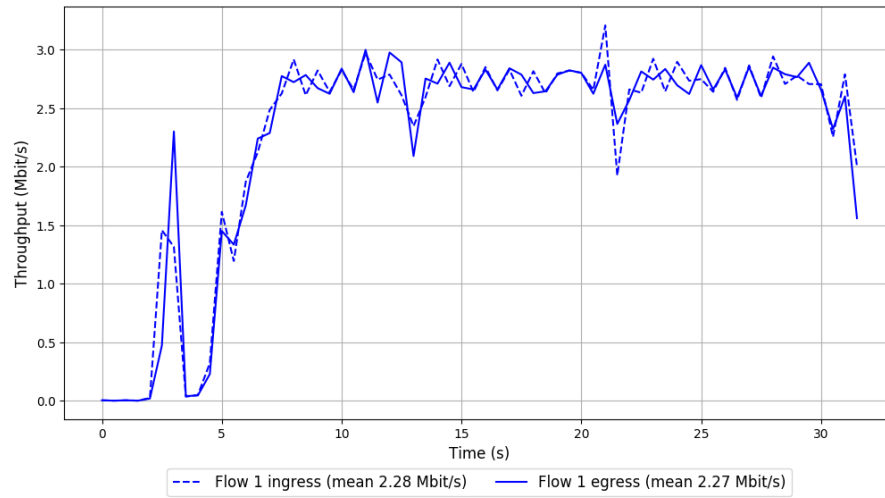
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 78.741 ms

Loss rate: 0.61%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-16 11:39:41

End at: 2018-01-16 11:40:11

Local clock offset: -0.067 ms

Remote clock offset: 1.84 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 79.559 ms

Loss rate: 0.63%

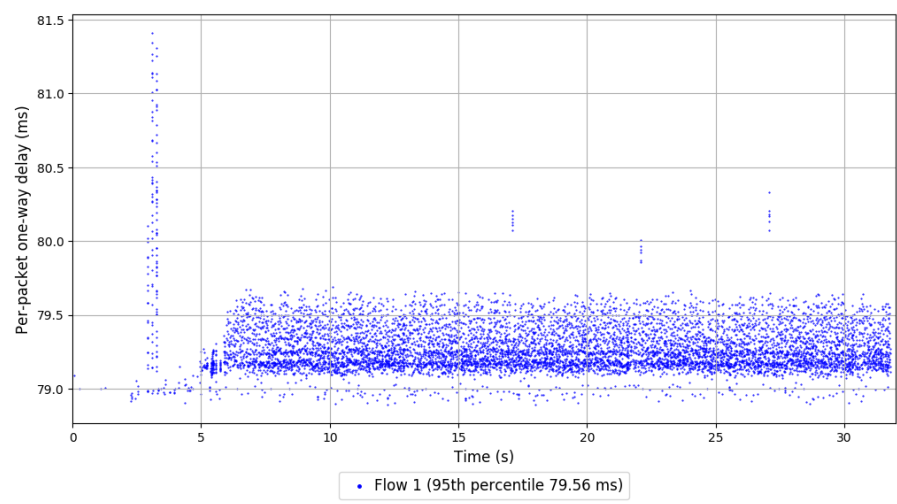
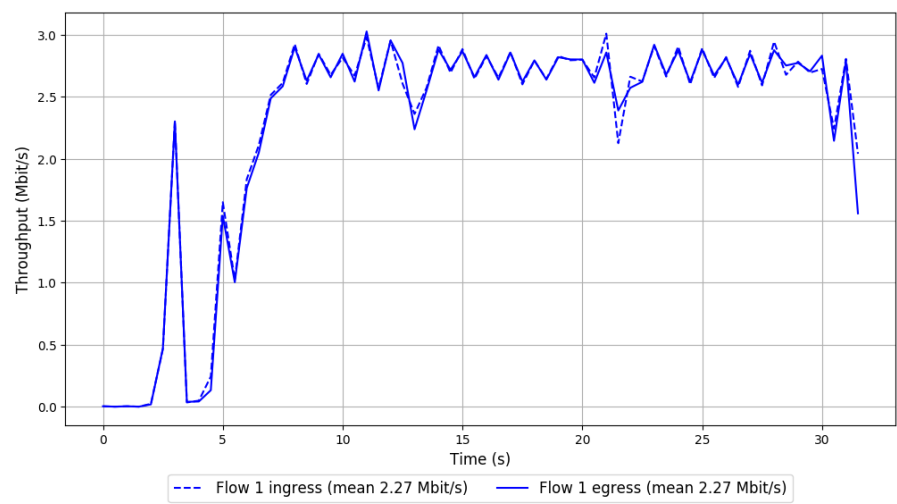
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 79.559 ms

Loss rate: 0.63%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-16 12:01:50

End at: 2018-01-16 12:02:20

Local clock offset: 0.14 ms

Remote clock offset: 0.59 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 81.390 ms

Loss rate: 0.75%

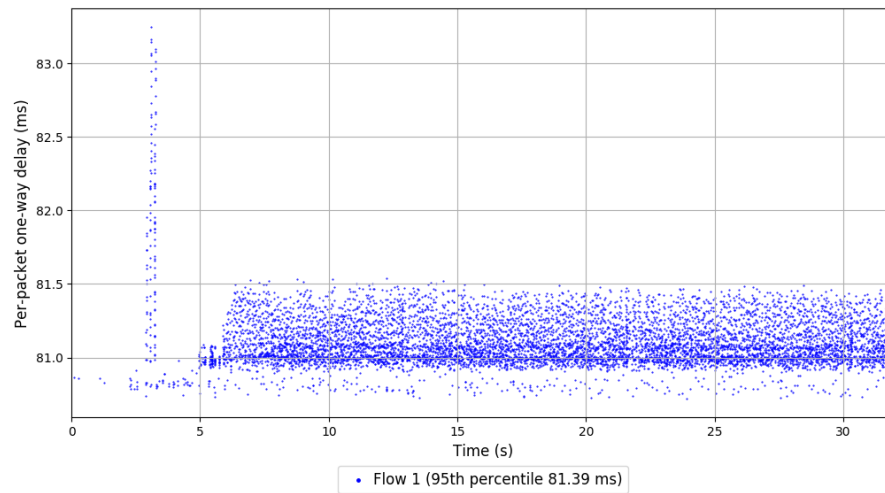
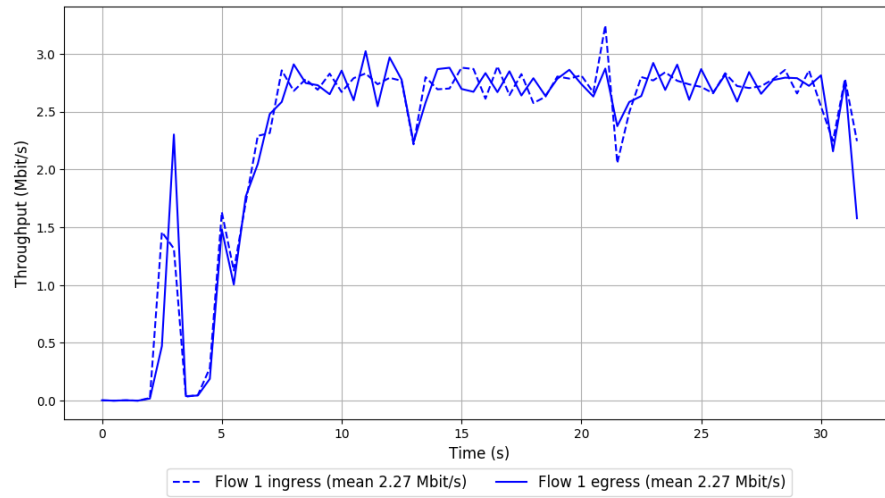
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 81.390 ms

Loss rate: 0.75%

Run 6: Report of WebRTC media — Data Link

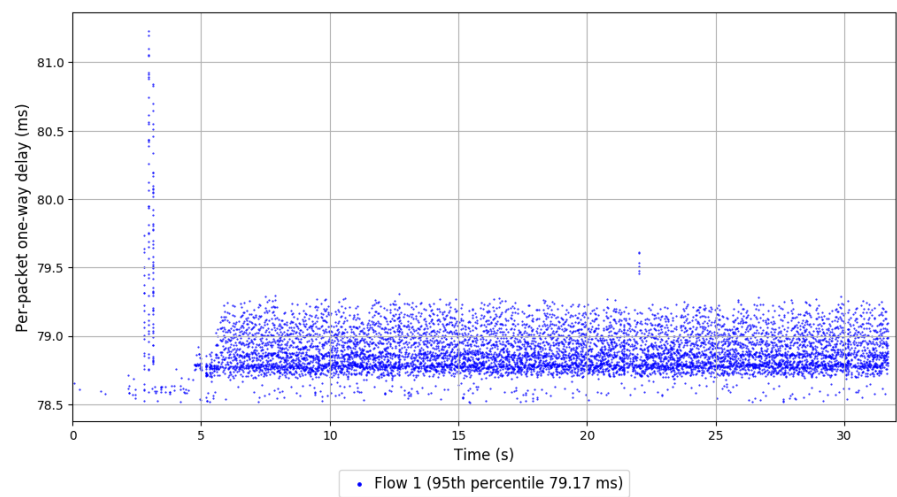
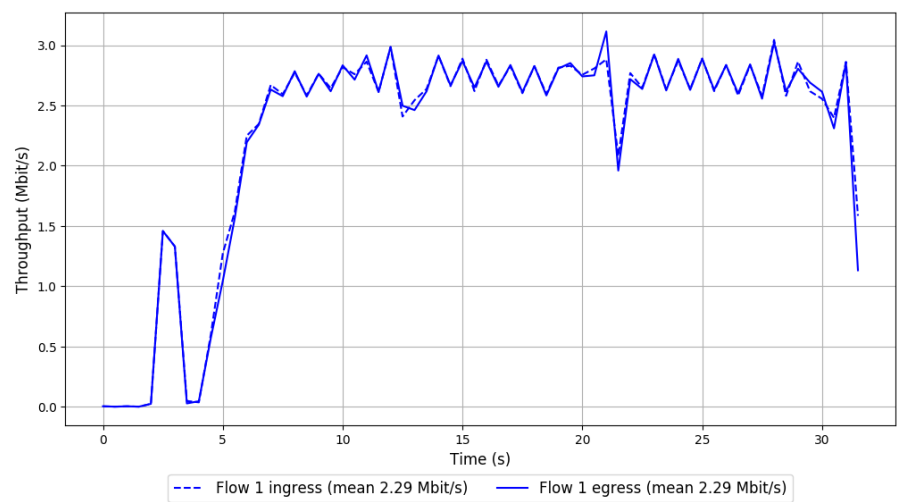


Run 7: Statistics of WebRTC media

Start at: 2018-01-16 12:24:00
End at: 2018-01-16 12:24:30
Local clock offset: 0.286 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 79.171 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 79.171 ms
Loss rate: 0.62%

Run 7: Report of WebRTC media — Data Link

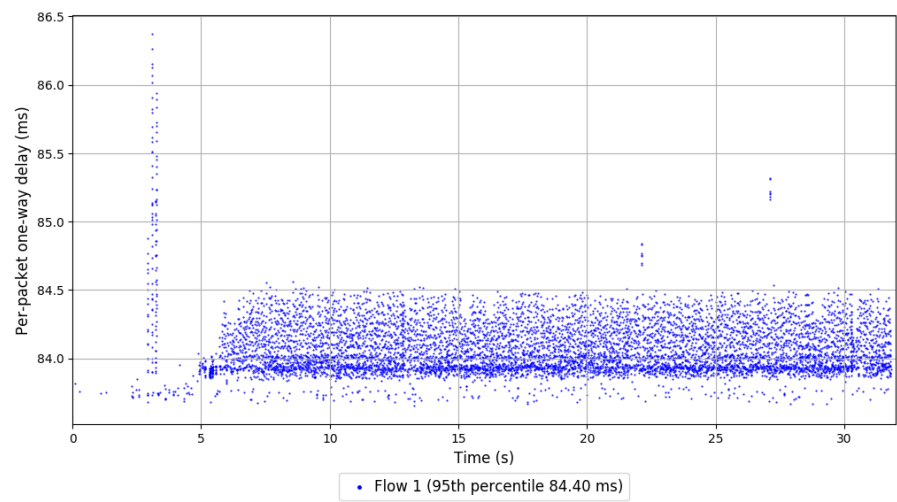
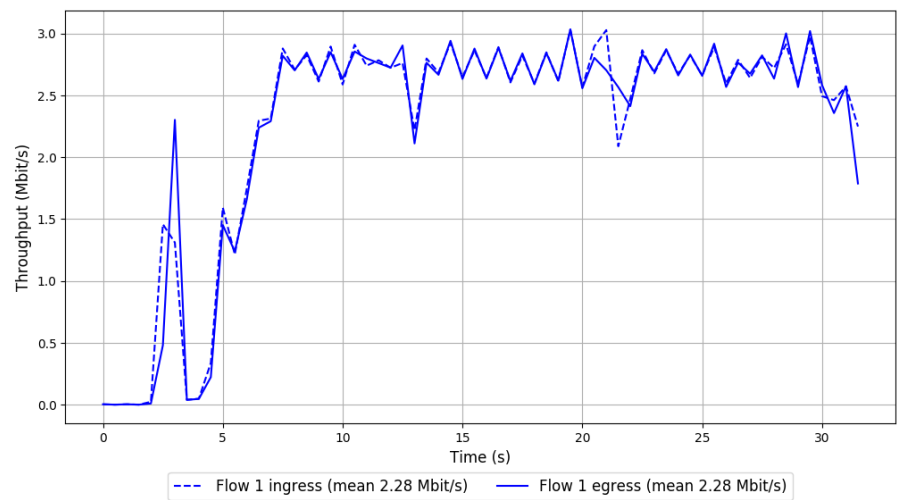


Run 8: Statistics of WebRTC media

Start at: 2018-01-16 12:46:10
End at: 2018-01-16 12:46:40
Local clock offset: 0.612 ms
Remote clock offset: -4.501 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 84.400 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 84.400 ms
Loss rate: 0.61%

Run 8: Report of WebRTC media — Data Link

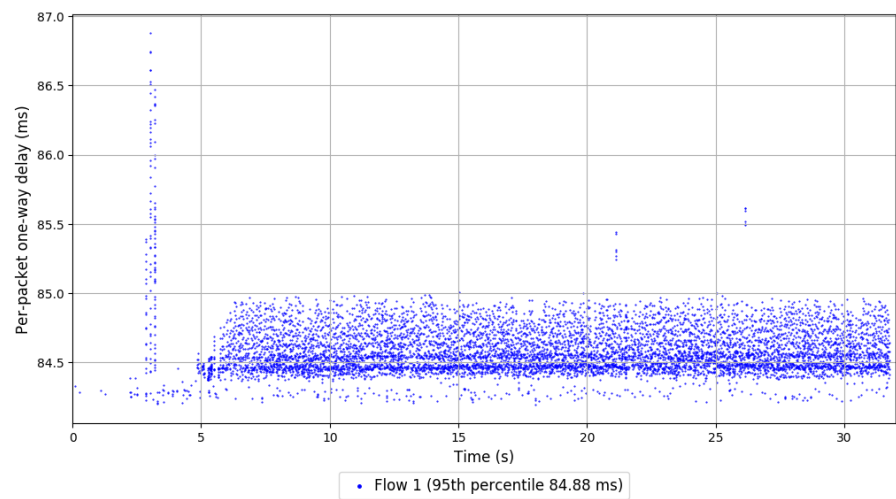
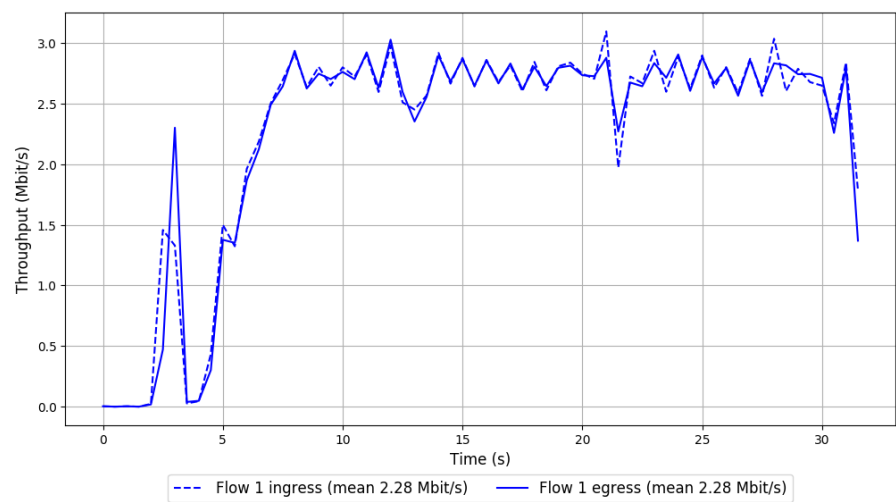


Run 9: Statistics of WebRTC media

Start at: 2018-01-16 13:08:20
End at: 2018-01-16 13:08:50
Local clock offset: 0.552 ms
Remote clock offset: -4.461 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 84.878 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 84.878 ms
Loss rate: 0.60%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-16 13:30:28

End at: 2018-01-16 13:30:58

Local clock offset: 0.032 ms

Remote clock offset: 0.789 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.293 ms

Loss rate: 0.00%

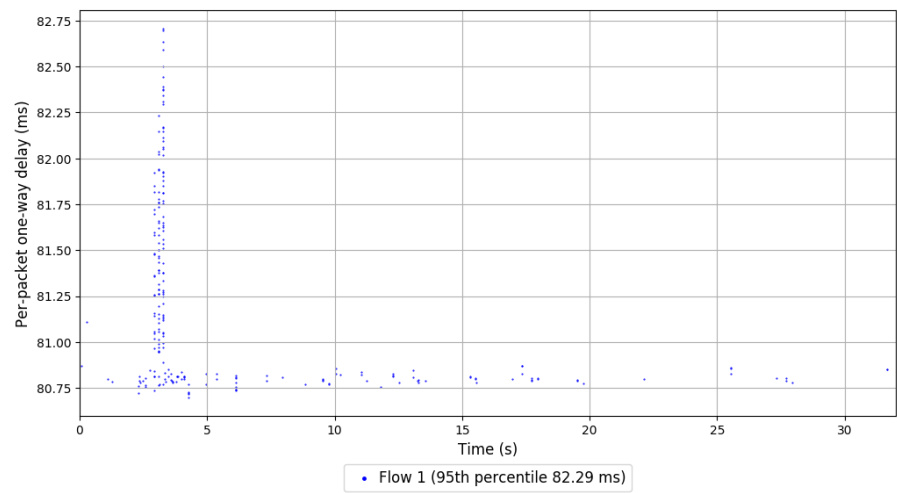
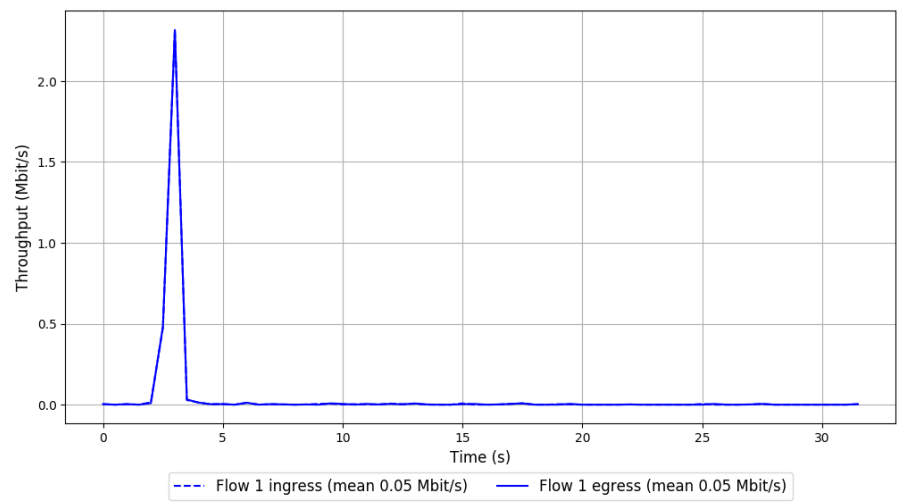
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.293 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

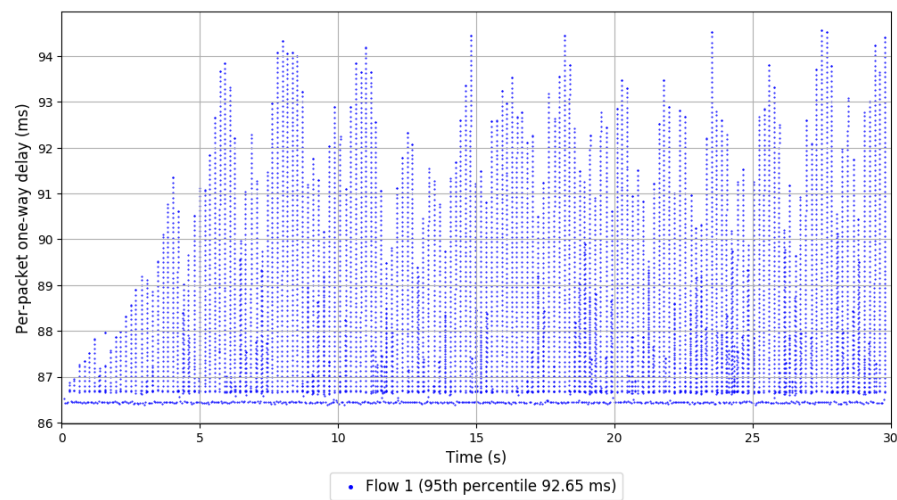
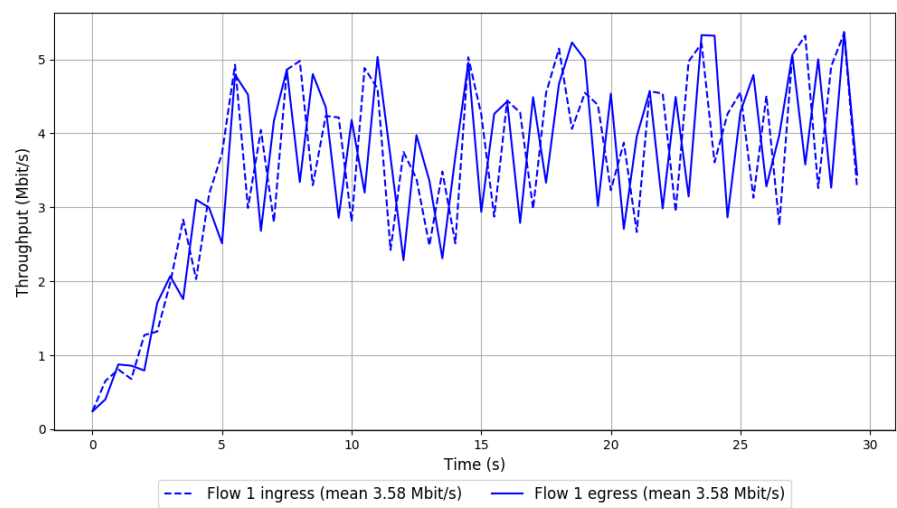


Run 1: Statistics of Sprout

Start at: 2018-01-16 10:02:27
End at: 2018-01-16 10:02:57
Local clock offset: 0.26 ms
Remote clock offset: -5.988 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 92.649 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 92.649 ms
Loss rate: 0.68%

Run 1: Report of Sprout — Data Link

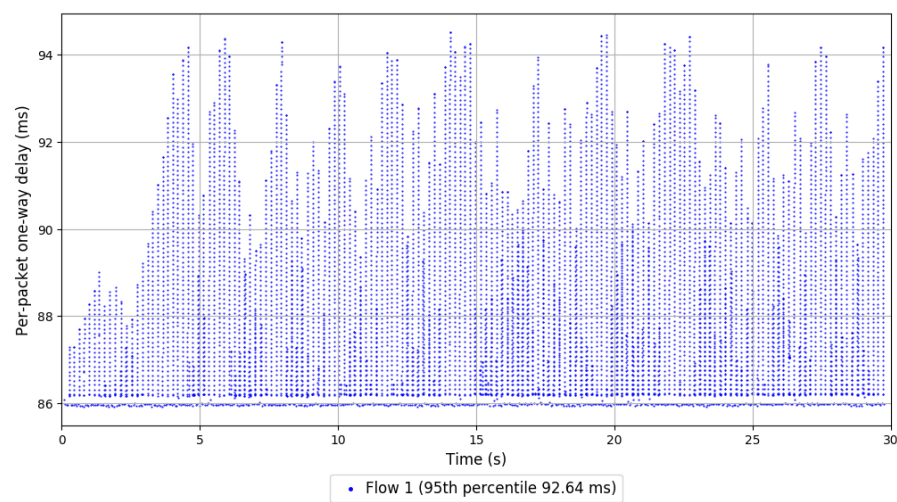
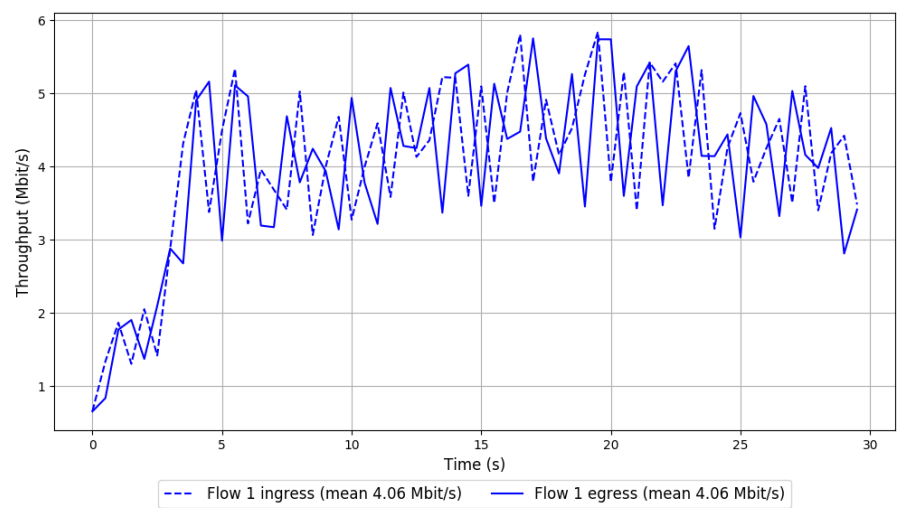


Run 2: Statistics of Sprout

Start at: 2018-01-16 10:24:39
End at: 2018-01-16 10:25:09
Local clock offset: -0.129 ms
Remote clock offset: -5.362 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 92.644 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 92.644 ms
Loss rate: 0.70%

Run 2: Report of Sprout — Data Link

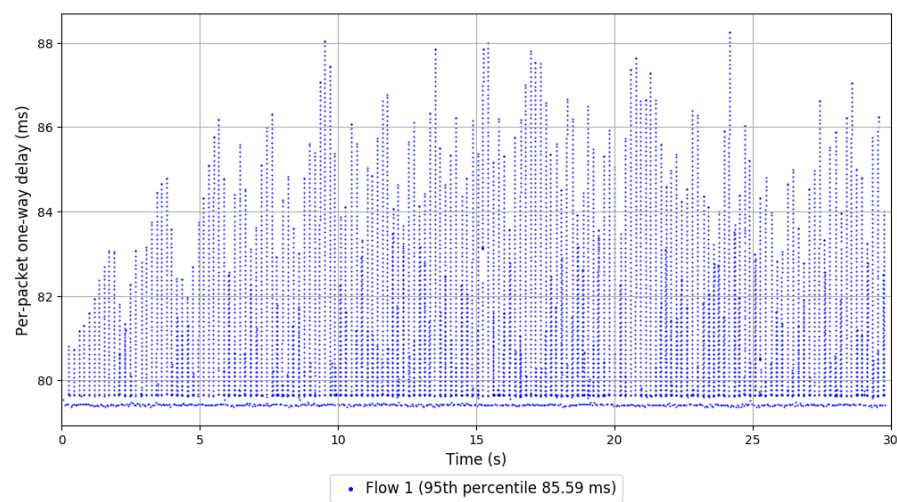
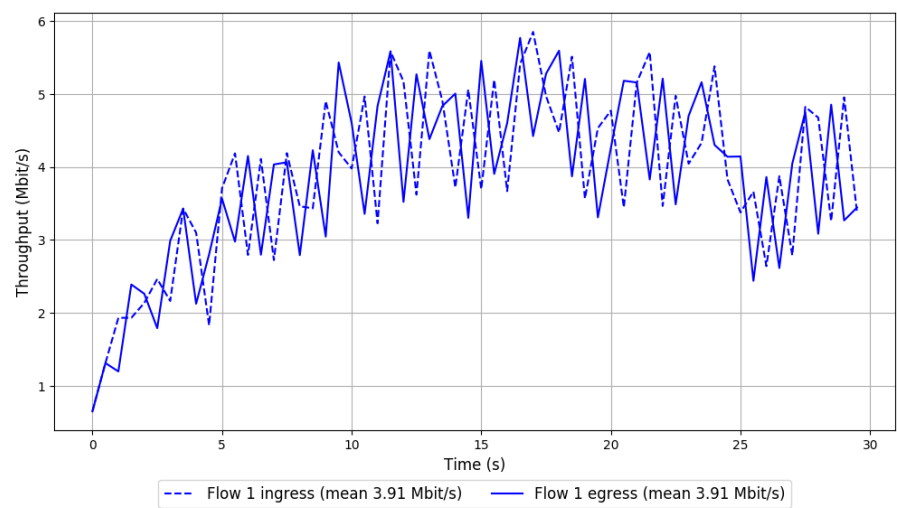


Run 3: Statistics of Sprout

Start at: 2018-01-16 10:46:51
End at: 2018-01-16 10:47:21
Local clock offset: -0.329 ms
Remote clock offset: 1.178 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 85.590 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 85.590 ms
Loss rate: 0.72%

Run 3: Report of Sprout — Data Link

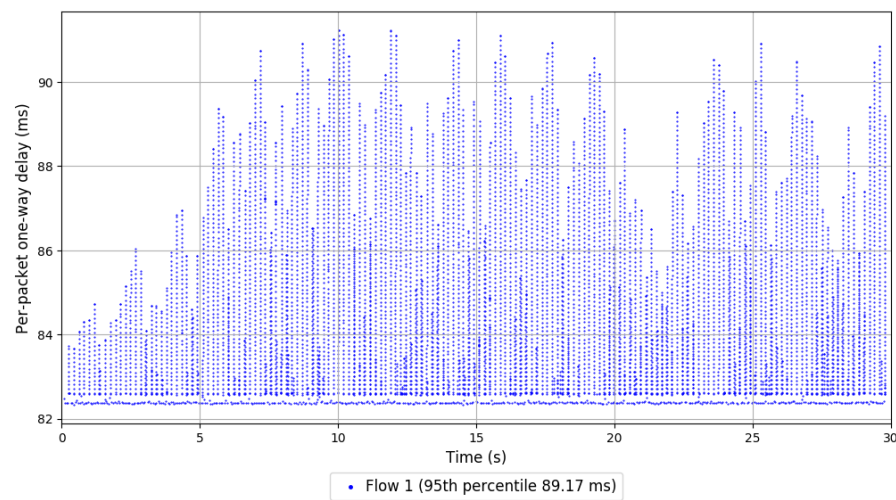
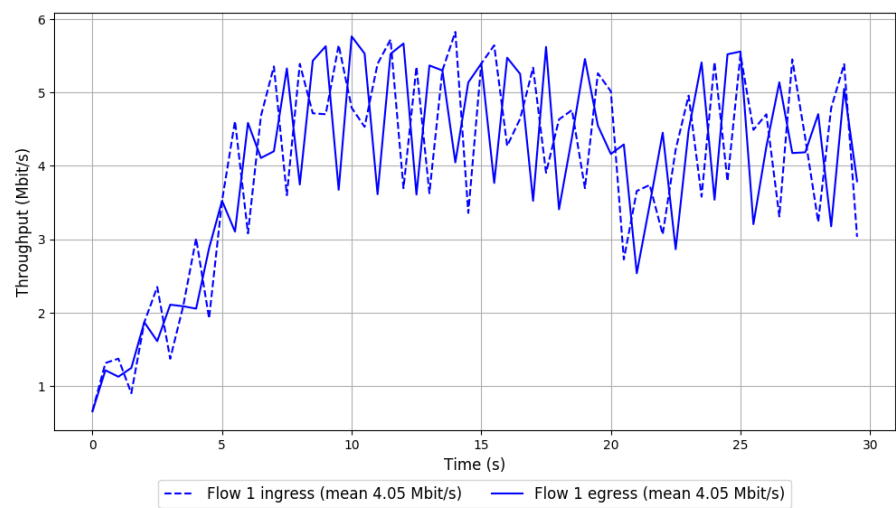


Run 4: Statistics of Sprout

Start at: 2018-01-16 11:09:02
End at: 2018-01-16 11:09:32
Local clock offset: -0.169 ms
Remote clock offset: -3.204 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 89.171 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 89.171 ms
Loss rate: 0.49%

Run 4: Report of Sprout — Data Link

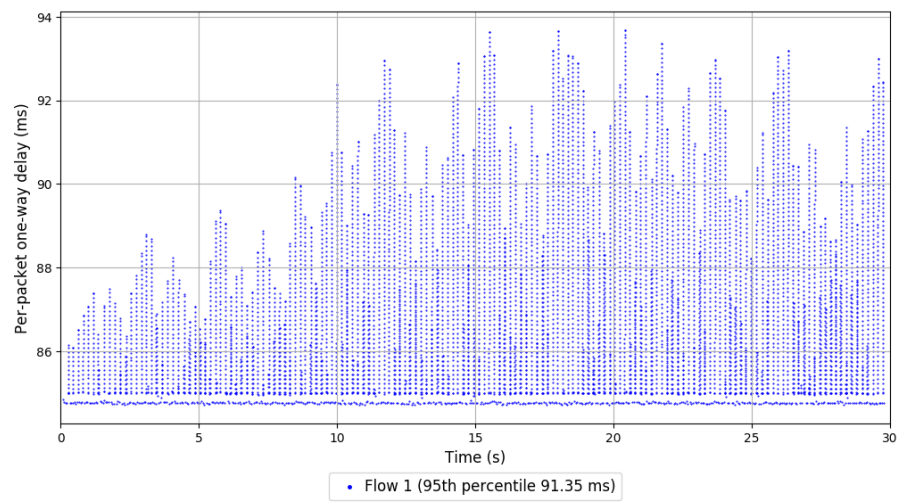
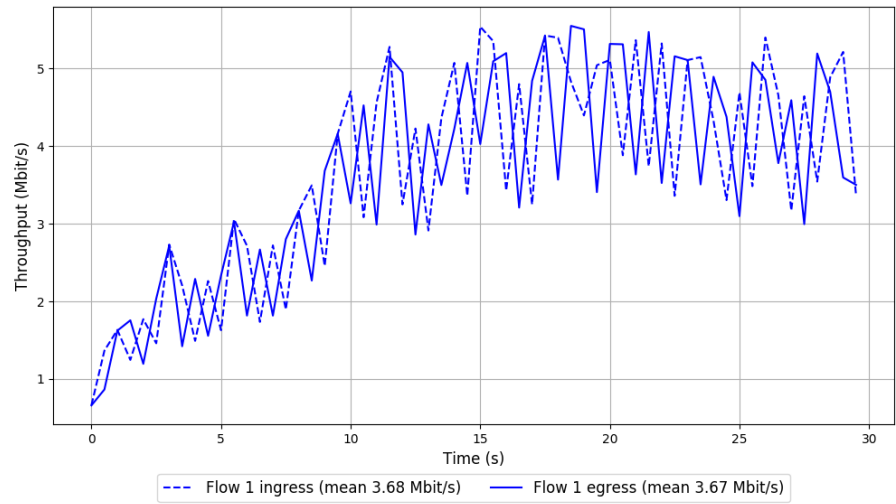


Run 5: Statistics of Sprout

Start at: 2018-01-16 11:31:13
End at: 2018-01-16 11:31:43
Local clock offset: -0.081 ms
Remote clock offset: -3.781 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 91.351 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 91.351 ms
Loss rate: 0.76%

Run 5: Report of Sprout — Data Link

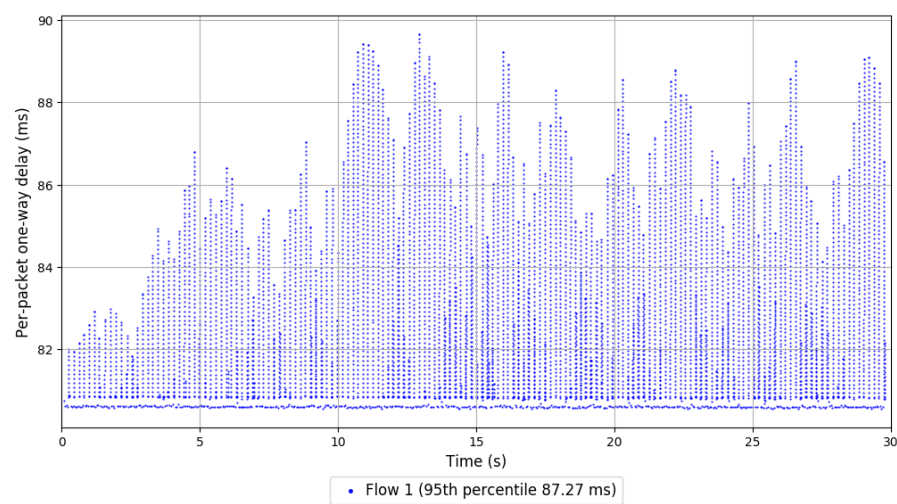
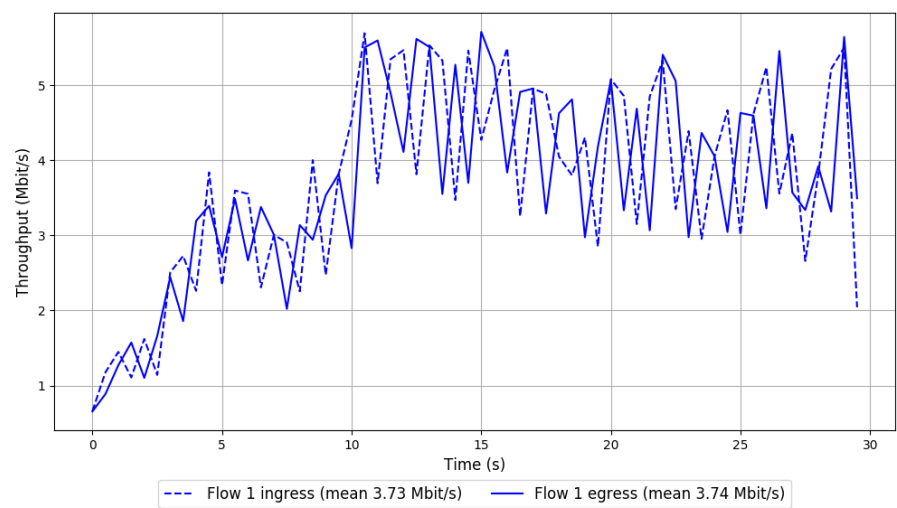


Run 6: Statistics of Sprout

Start at: 2018-01-16 11:53:23
End at: 2018-01-16 11:53:53
Local clock offset: 0.101 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 87.268 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 87.268 ms
Loss rate: 0.14%

Run 6: Report of Sprout — Data Link

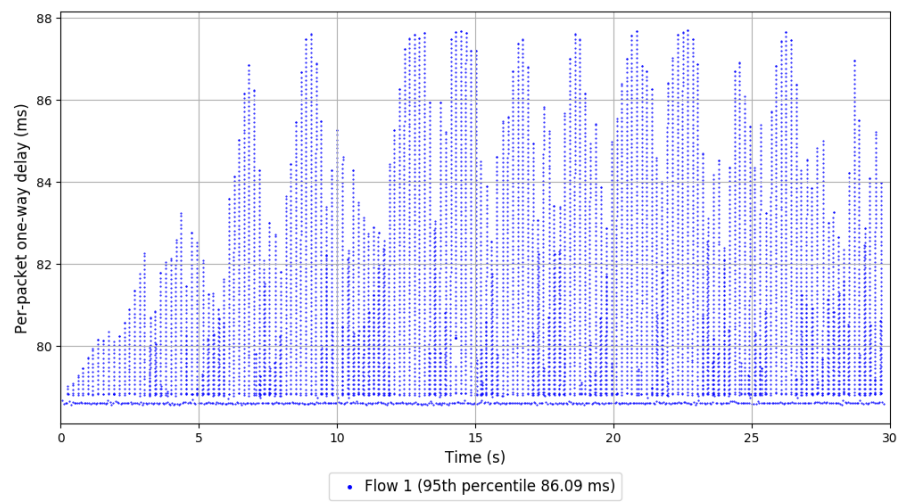
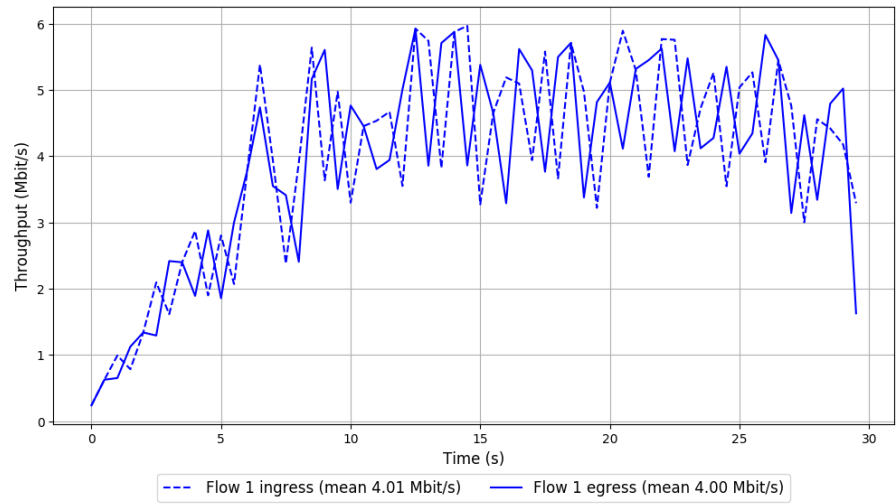


Run 7: Statistics of Sprout

Start at: 2018-01-16 12:15:33
End at: 2018-01-16 12:16:03
Local clock offset: 0.273 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 86.091 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 86.091 ms
Loss rate: 0.70%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-16 12:37:43

End at: 2018-01-16 12:38:13

Local clock offset: 0.434 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.74 Mbit/s

95th percentile per-packet one-way delay: 86.056 ms

Loss rate: 0.68%

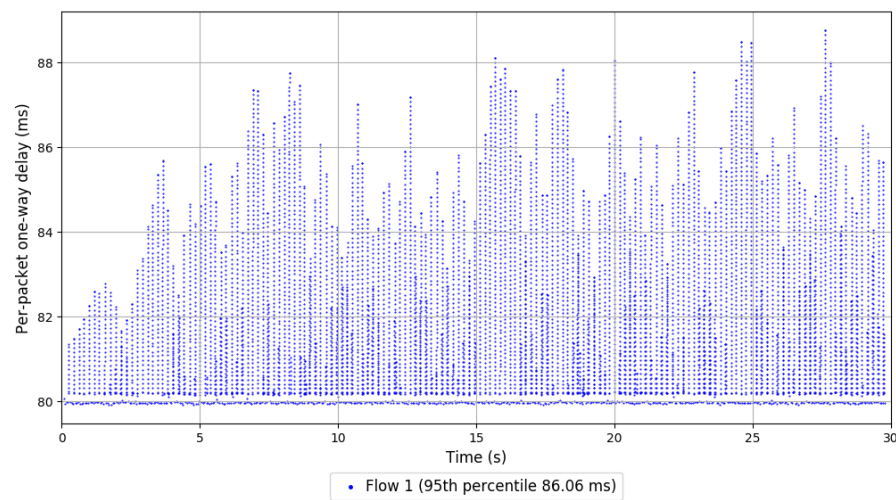
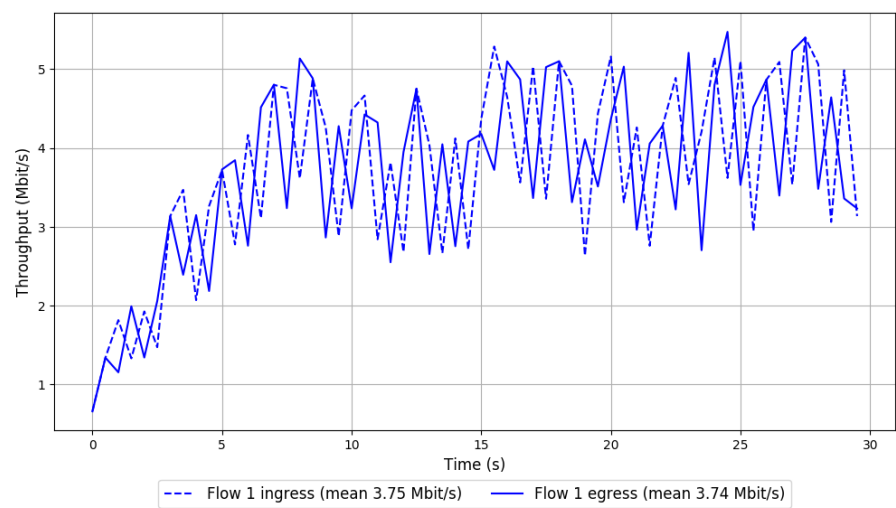
-- Flow 1:

Average throughput: 3.74 Mbit/s

95th percentile per-packet one-way delay: 86.056 ms

Loss rate: 0.68%

Run 8: Report of Sprout — Data Link

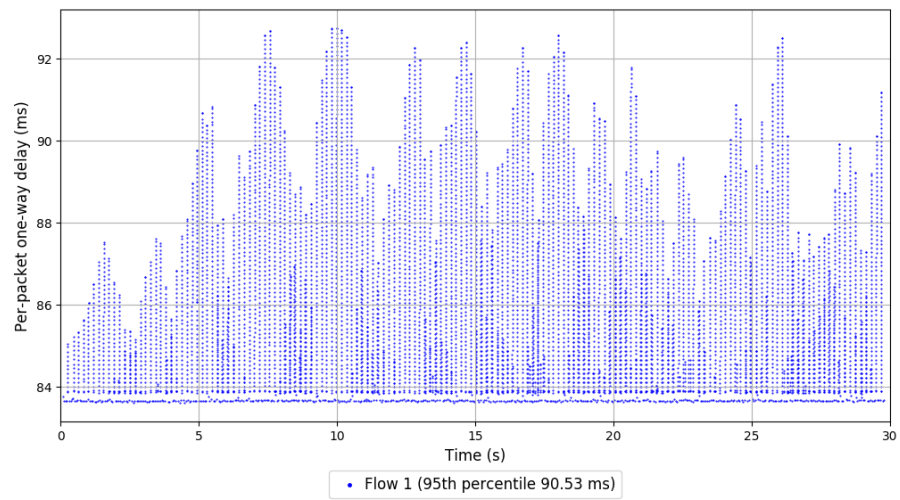
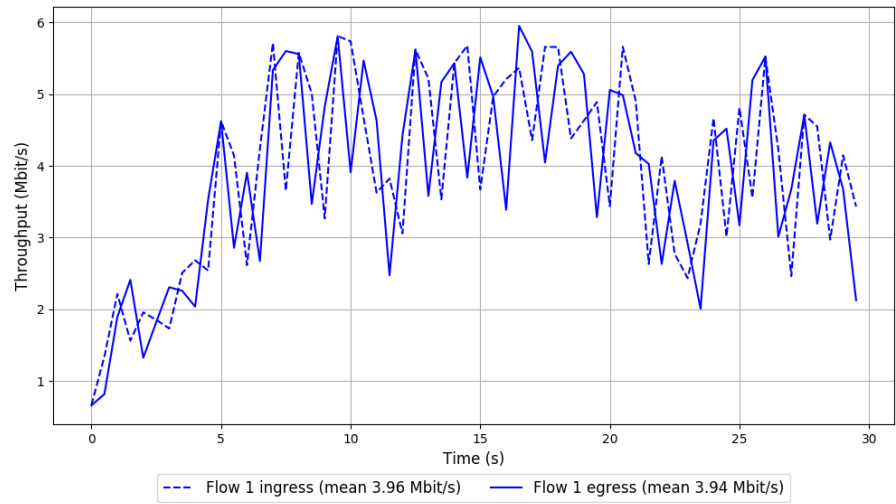


Run 9: Statistics of Sprout

Start at: 2018-01-16 12:59:54
End at: 2018-01-16 13:00:24
Local clock offset: 0.72 ms
Remote clock offset: -4.175 ms

Below is generated by plot.py at 2018-01-16 17:28:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 90.525 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 90.525 ms
Loss rate: 0.76%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-16 13:22:02

End at: 2018-01-16 13:22:32

Local clock offset: 0.215 ms

Remote clock offset: -4.195 ms

Below is generated by plot.py at 2018-01-16 17:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.02 Mbit/s

95th percentile per-packet one-way delay: 90.633 ms

Loss rate: 0.30%

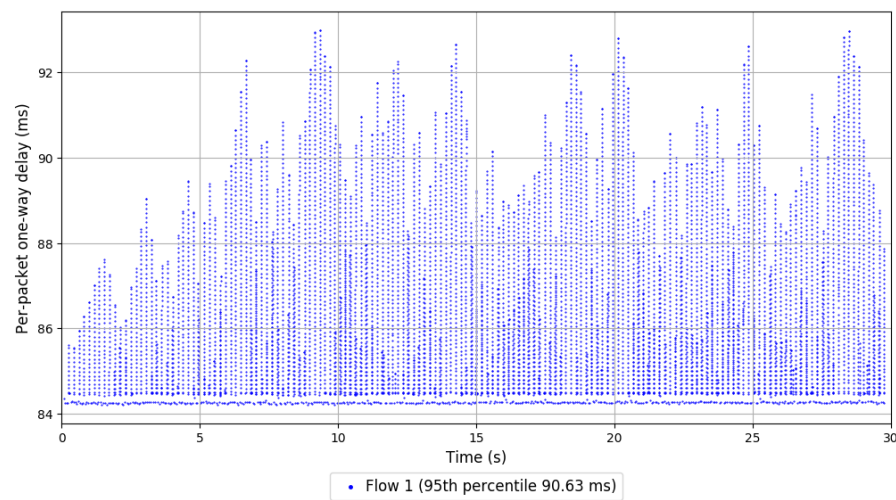
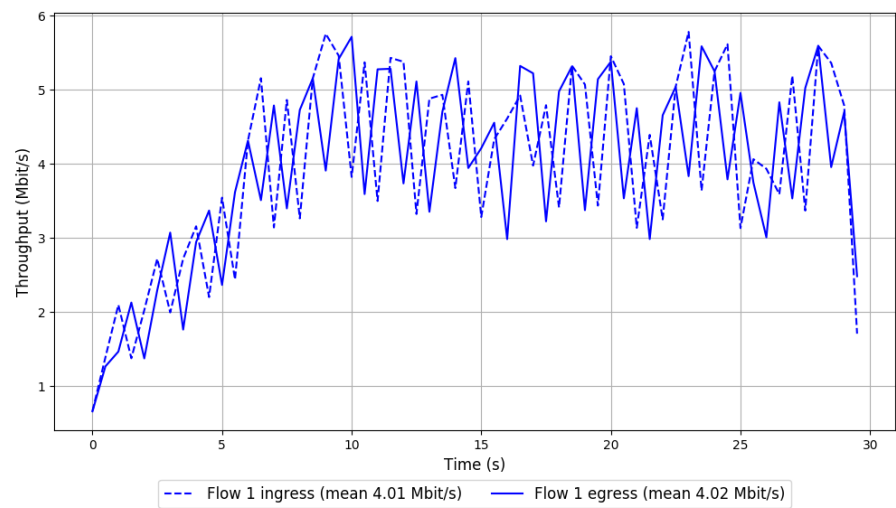
-- Flow 1:

Average throughput: 4.02 Mbit/s

95th percentile per-packet one-way delay: 90.633 ms

Loss rate: 0.30%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 10:12:04

End at: 2018-01-16 10:12:34

Local clock offset: 0.131 ms

Remote clock offset: -5.418 ms

Below is generated by plot.py at 2018-01-16 17:30:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.07 Mbit/s

95th percentile per-packet one-way delay: 95.820 ms

Loss rate: 0.64%

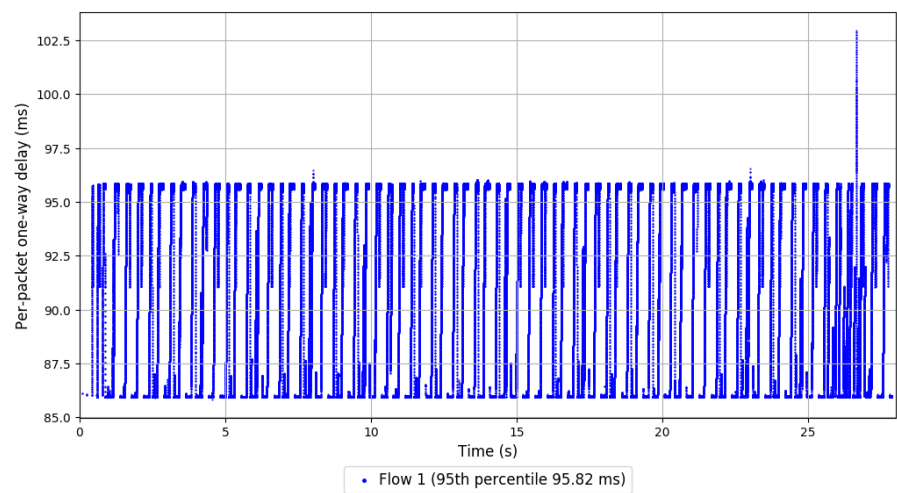
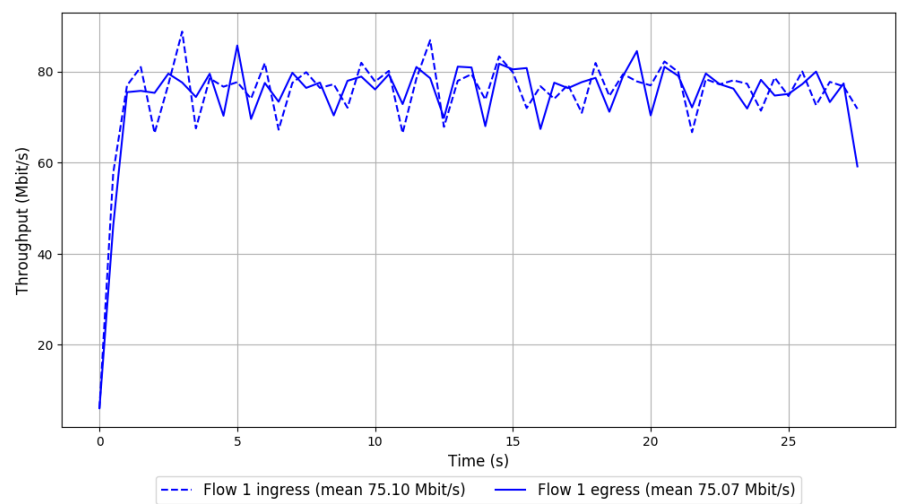
-- Flow 1:

Average throughput: 75.07 Mbit/s

95th percentile per-packet one-way delay: 95.820 ms

Loss rate: 0.64%

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

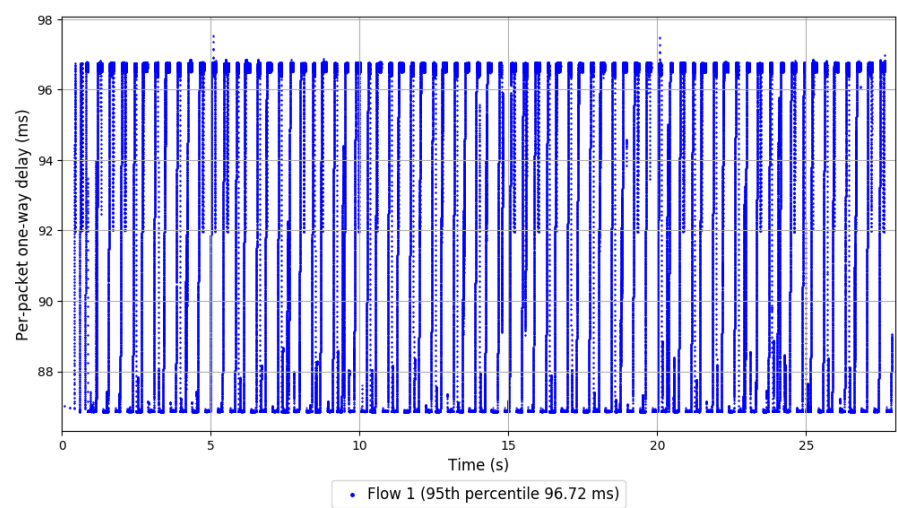
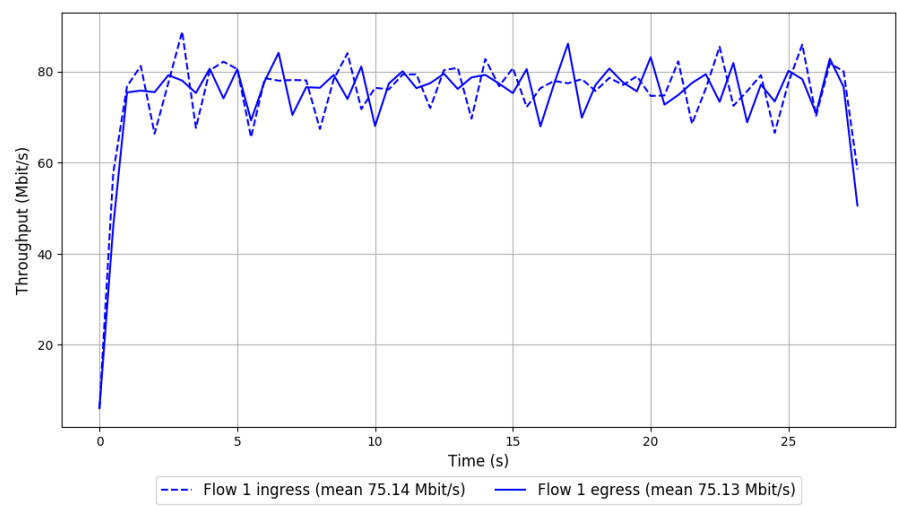


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-16 10:34:17
End at: 2018-01-16 10:34:47
Local clock offset: -0.26 ms
Remote clock offset: -4.414 ms

Below is generated by plot.py at 2018-01-16 17:30:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 96.723 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 96.723 ms
Loss rate: 0.62%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 10:56:27

End at: 2018-01-16 10:56:57

Local clock offset: -0.247 ms

Remote clock offset: 0.772 ms

Below is generated by plot.py at 2018-01-16 17:30:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.24 Mbit/s

95th percentile per-packet one-way delay: 88.001 ms

Loss rate: 0.51%

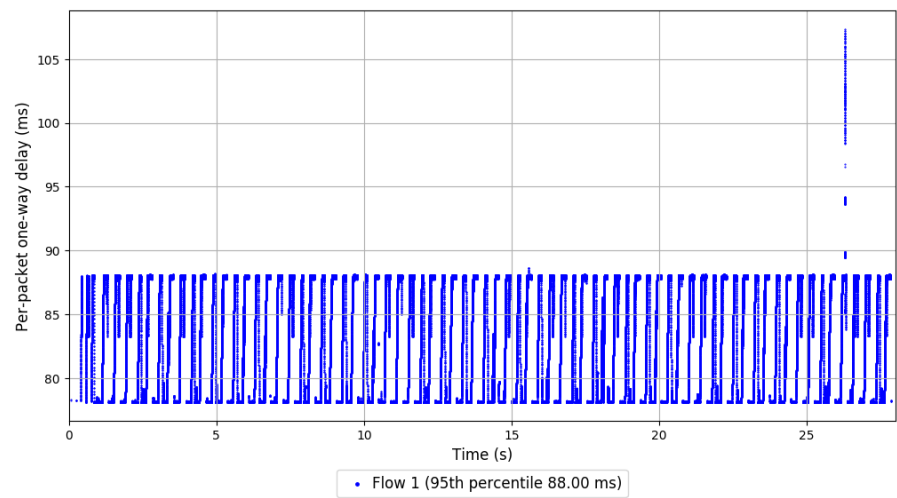
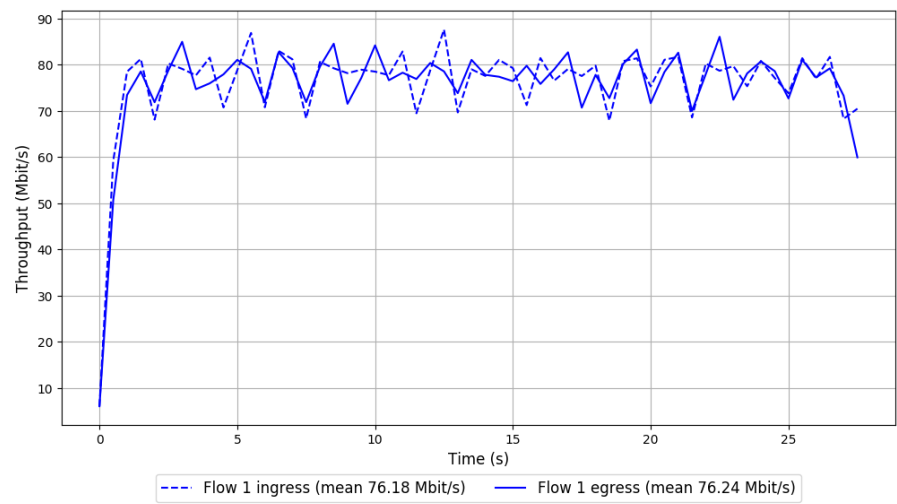
-- Flow 1:

Average throughput: 76.24 Mbit/s

95th percentile per-packet one-way delay: 88.001 ms

Loss rate: 0.51%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-16 11:18:39

End at: 2018-01-16 11:19:09

Local clock offset: -0.205 ms

Remote clock offset: 0.949 ms

Below is generated by plot.py at 2018-01-16 17:30:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.99 Mbit/s

95th percentile per-packet one-way delay: 89.872 ms

Loss rate: 0.79%

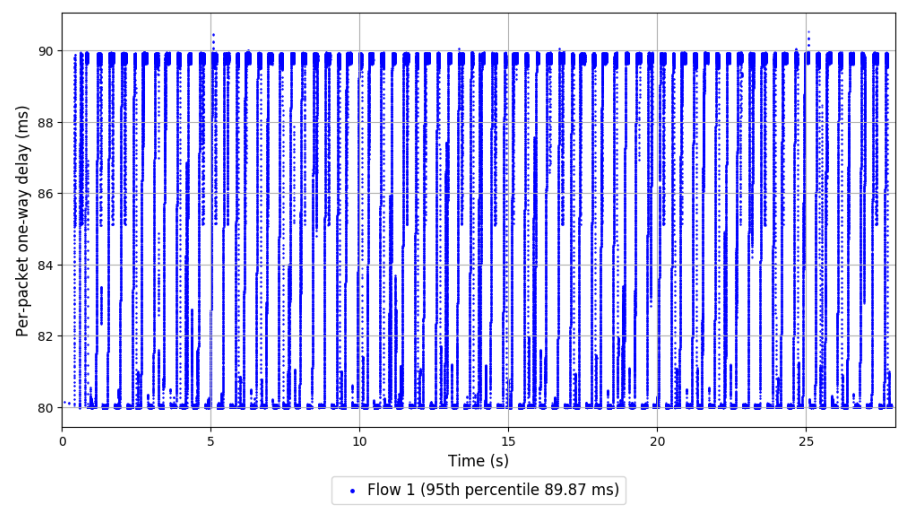
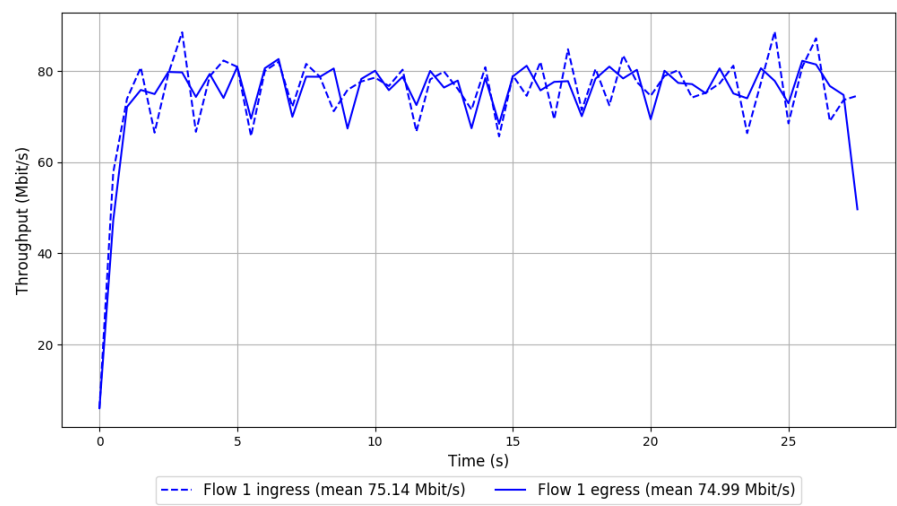
-- Flow 1:

Average throughput: 74.99 Mbit/s

95th percentile per-packet one-way delay: 89.872 ms

Loss rate: 0.79%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-16 11:40:50

End at: 2018-01-16 11:41:20

Local clock offset: 0.01 ms

Remote clock offset: 2.606 ms

Below is generated by plot.py at 2018-01-16 17:30:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.18 Mbit/s

95th percentile per-packet one-way delay: 87.687 ms

Loss rate: 0.63%

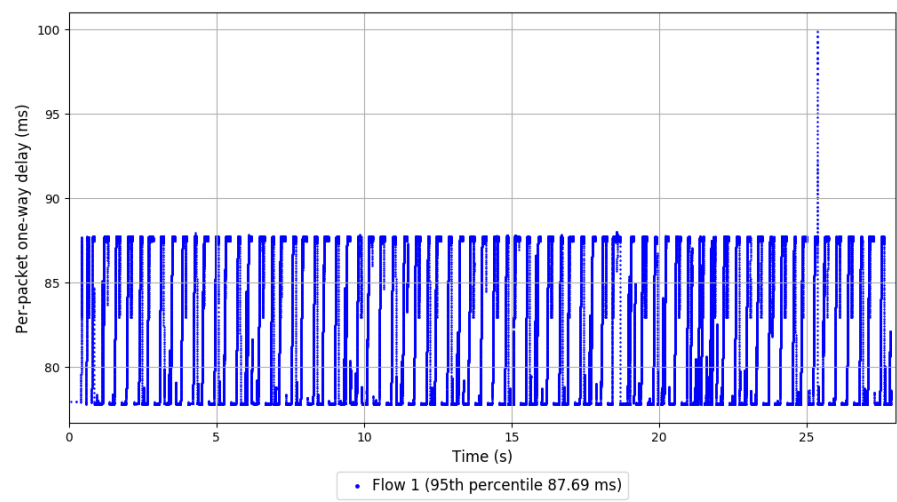
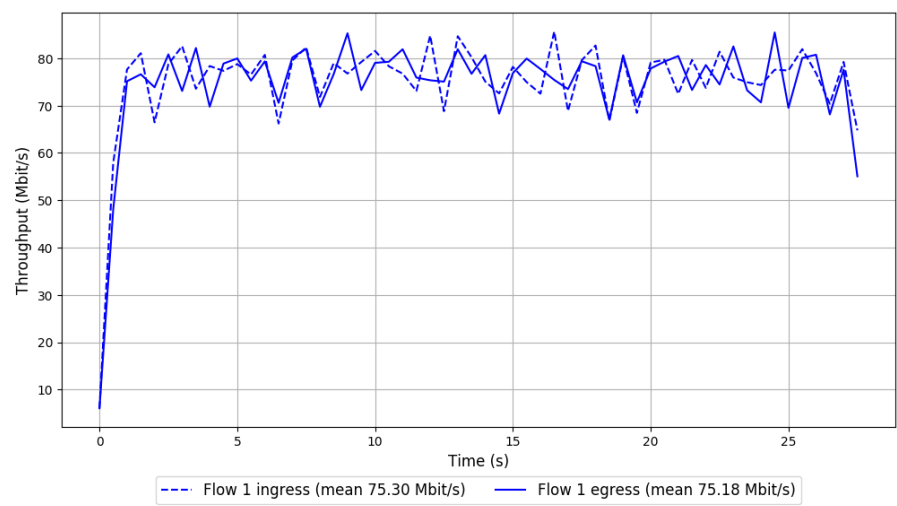
-- Flow 1:

Average throughput: 75.18 Mbit/s

95th percentile per-packet one-way delay: 87.687 ms

Loss rate: 0.63%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-16 12:03:00

End at: 2018-01-16 12:03:30

Local clock offset: 0.165 ms

Remote clock offset: 0.473 ms

Below is generated by plot.py at 2018-01-16 17:30:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 89.852 ms

Loss rate: 0.57%

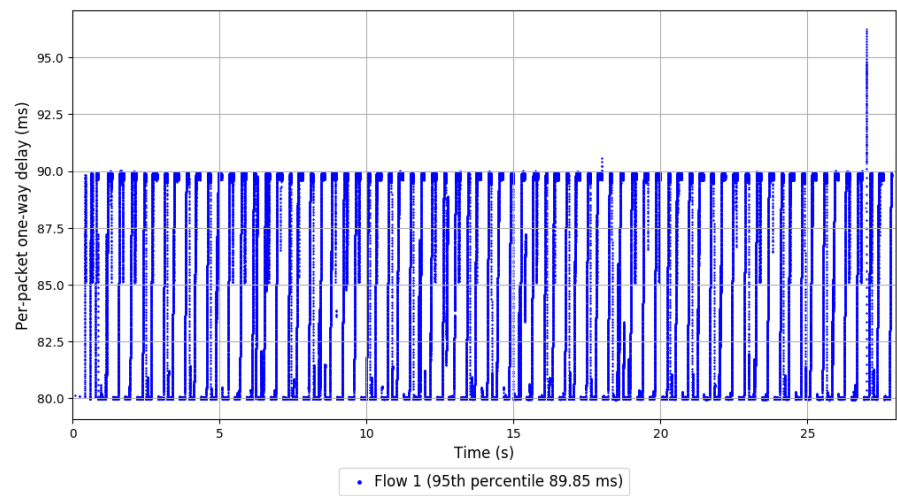
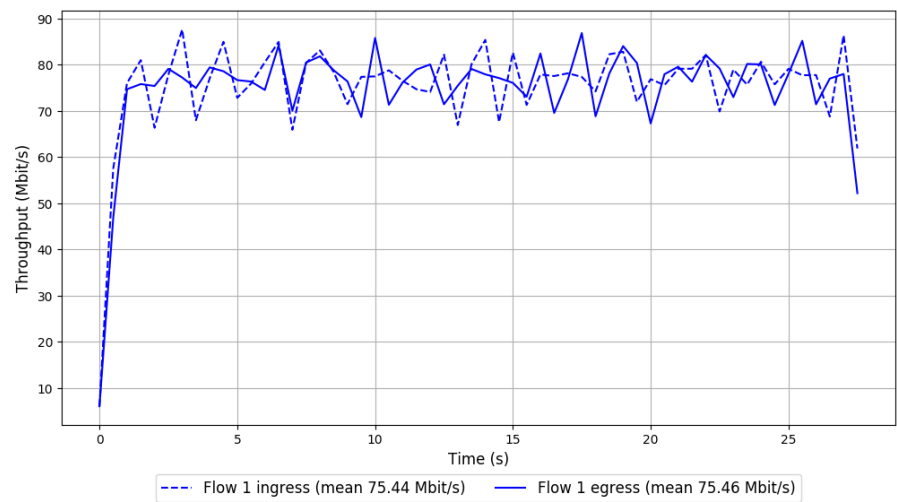
-- Flow 1:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 89.852 ms

Loss rate: 0.57%

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

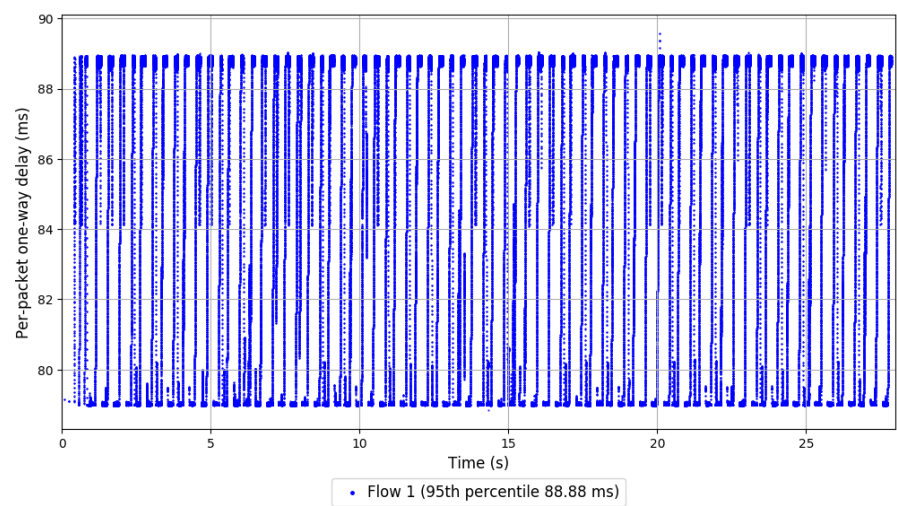
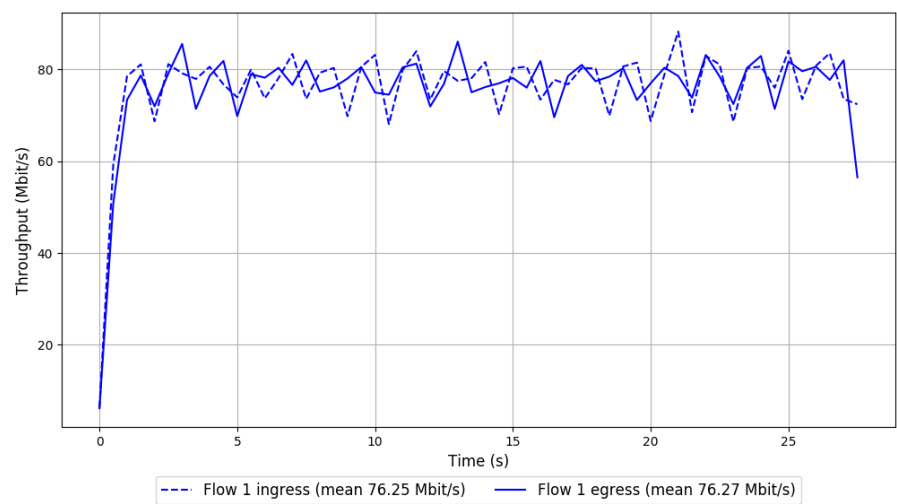


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-16 12:25:10
End at: 2018-01-16 12:25:40
Local clock offset: 0.397 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-01-16 17:30:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.27 Mbit/s
95th percentile per-packet one-way delay: 88.882 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 76.27 Mbit/s
95th percentile per-packet one-way delay: 88.882 ms
Loss rate: 0.57%

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

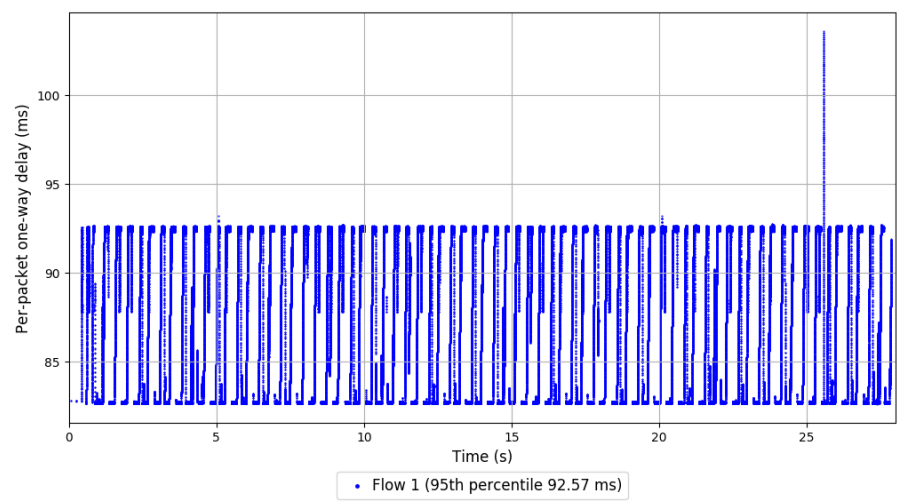
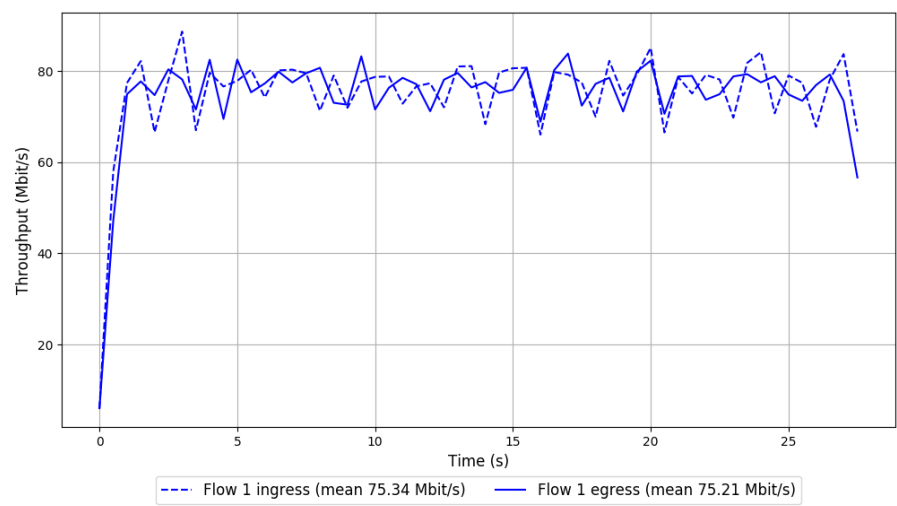


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-16 12:47:20
End at: 2018-01-16 12:47:50
Local clock offset: 0.609 ms
Remote clock offset: -0.408 ms

Below is generated by plot.py at 2018-01-16 17:30:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 92.569 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 92.569 ms
Loss rate: 0.66%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-16 13:09:30

End at: 2018-01-16 13:10:00

Local clock offset: 0.502 ms

Remote clock offset: 0.431 ms

Below is generated by plot.py at 2018-01-16 17:32:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 90.044 ms

Loss rate: 0.52%

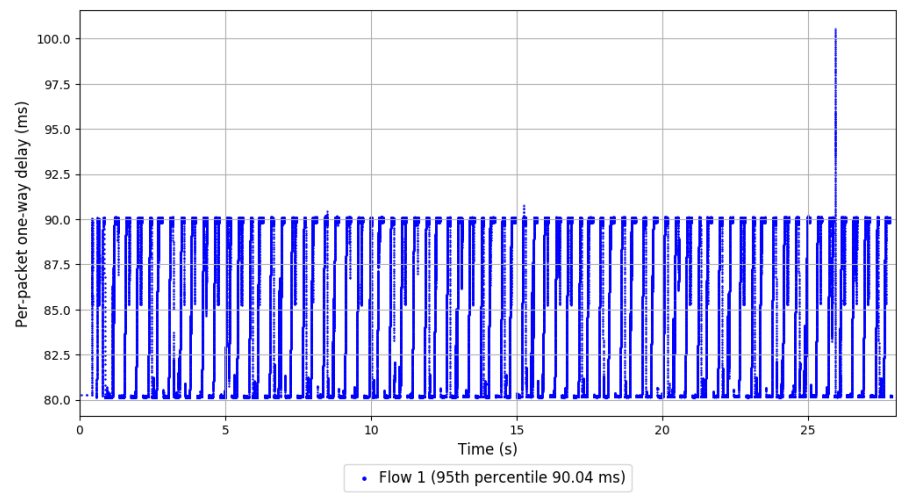
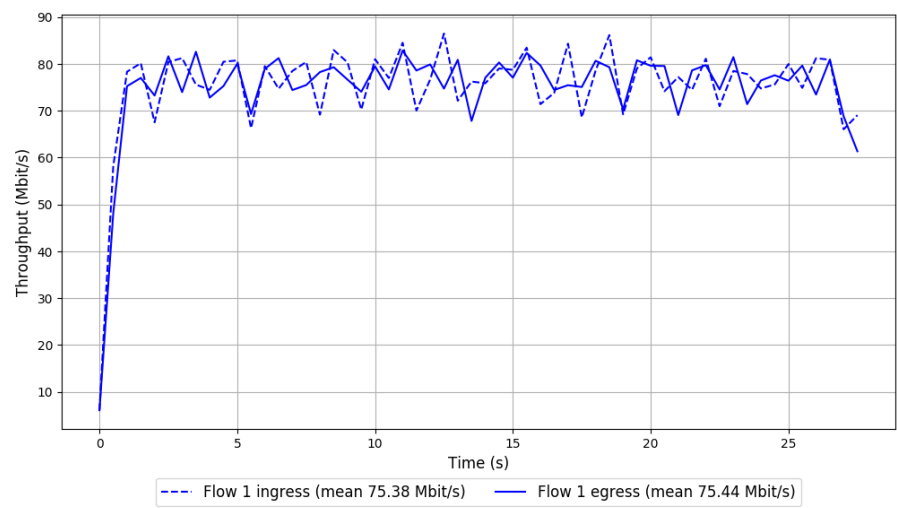
-- Flow 1:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 90.044 ms

Loss rate: 0.52%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-16 13:31:37

End at: 2018-01-16 13:32:07

Local clock offset: -0.014 ms

Remote clock offset: 0.764 ms

Below is generated by plot.py at 2018-01-16 17:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.88 Mbit/s

95th percentile per-packet one-way delay: 90.663 ms

Loss rate: 0.57%

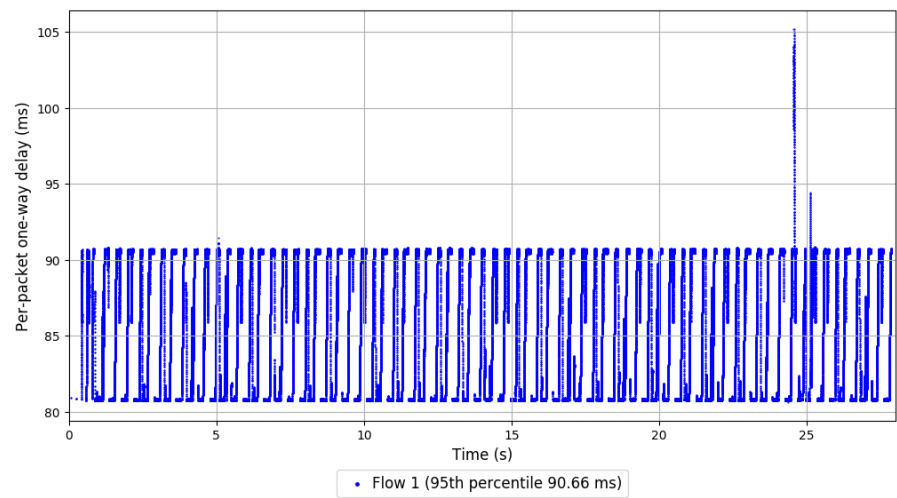
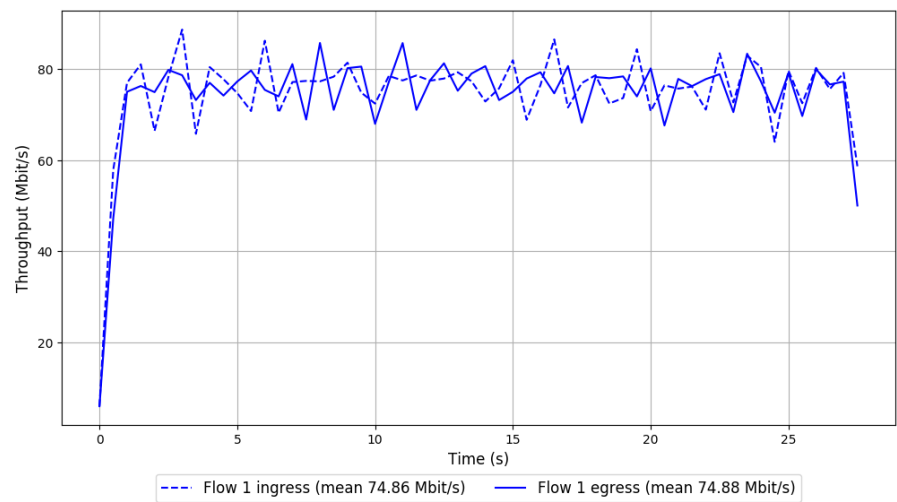
-- Flow 1:

Average throughput: 74.88 Mbit/s

95th percentile per-packet one-way delay: 90.663 ms

Loss rate: 0.57%

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

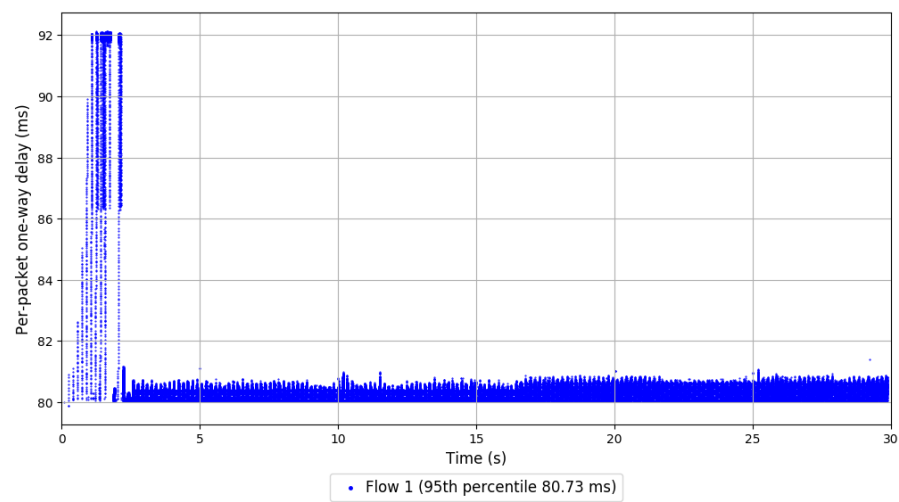
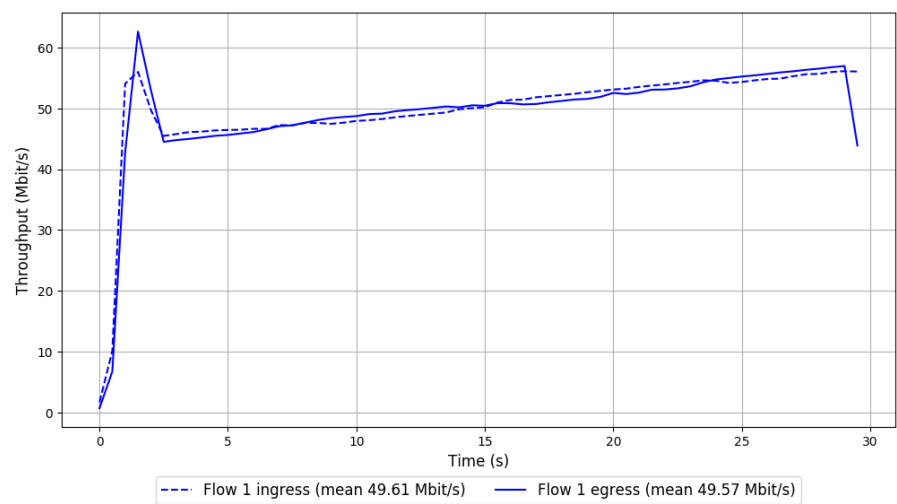


Run 1: Statistics of TCP Vegas

Start at: 2018-01-16 10:03:37
End at: 2018-01-16 10:04:07
Local clock offset: 0.248 ms
Remote clock offset: -1.551 ms

Below is generated by plot.py at 2018-01-16 17:32:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 80.732 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 80.732 ms
Loss rate: 0.63%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 10:25:49

End at: 2018-01-16 10:26:19

Local clock offset: -0.142 ms

Remote clock offset: -4.58 ms

Below is generated by plot.py at 2018-01-16 17:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.53 Mbit/s

95th percentile per-packet one-way delay: 84.309 ms

Loss rate: 0.63%

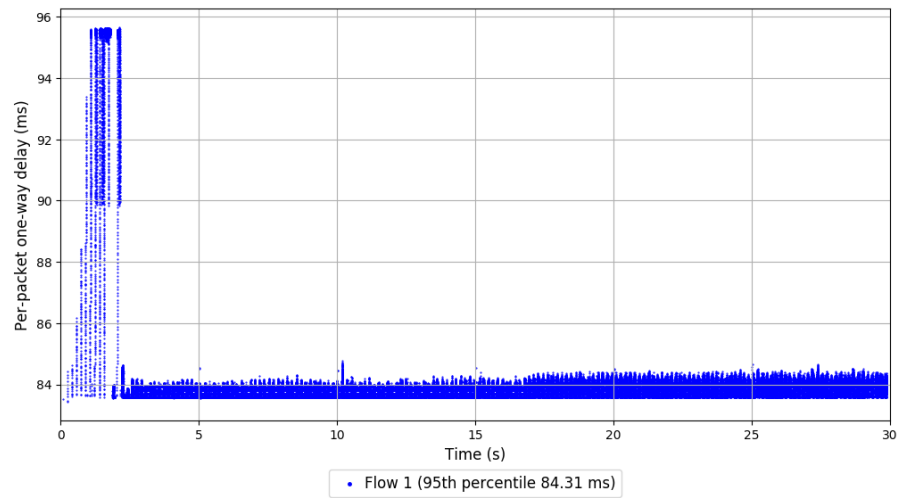
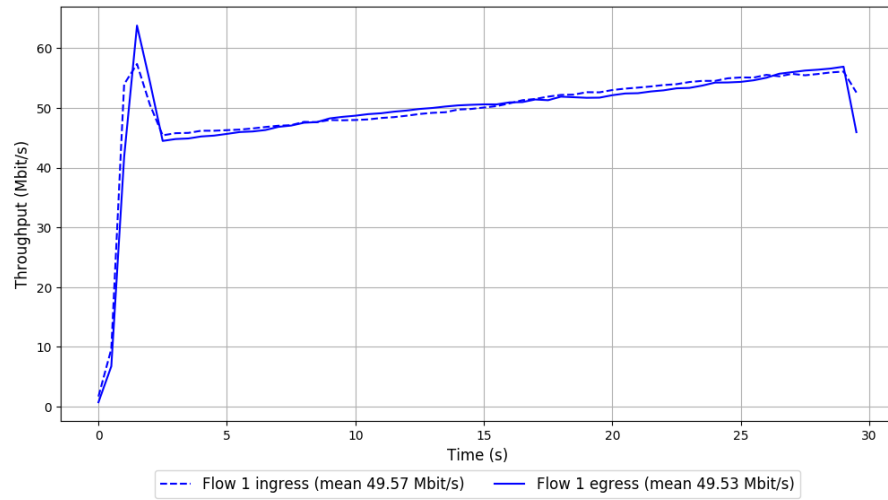
-- Flow 1:

Average throughput: 49.53 Mbit/s

95th percentile per-packet one-way delay: 84.309 ms

Loss rate: 0.63%

Run 2: Report of TCP Vegas — Data Link

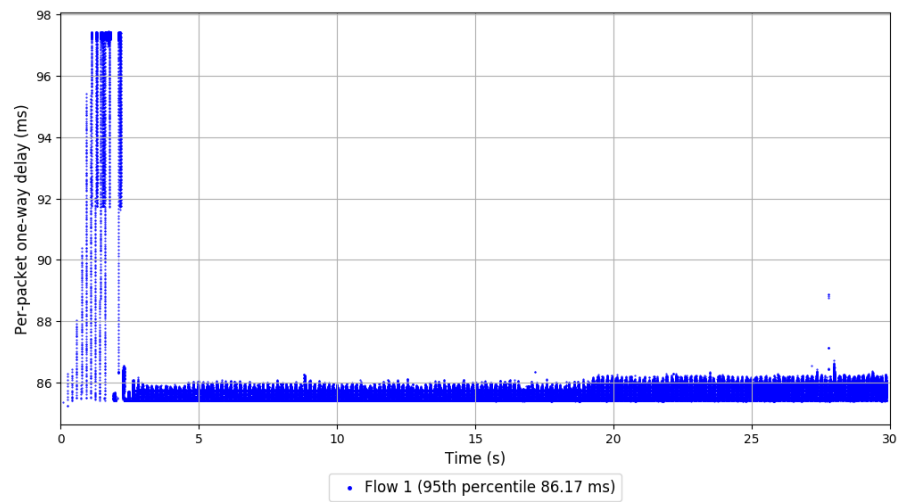
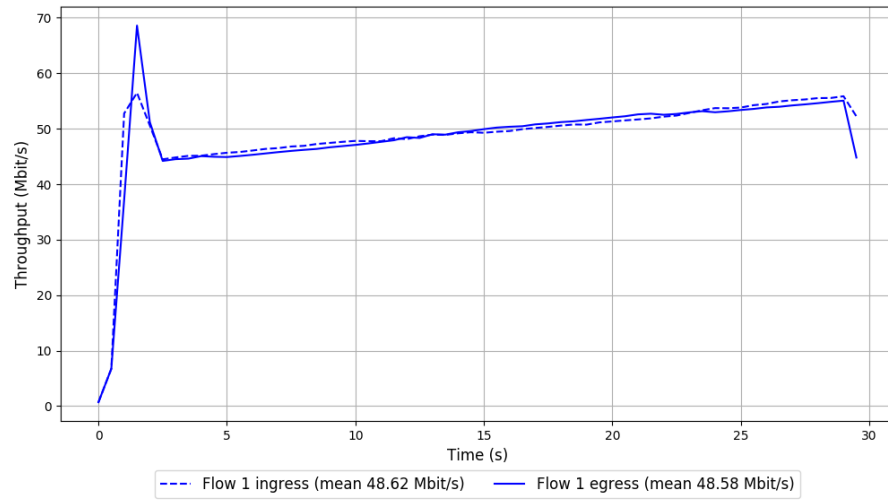


Run 3: Statistics of TCP Vegas

Start at: 2018-01-16 10:48:01
End at: 2018-01-16 10:48:31
Local clock offset: -0.296 ms
Remote clock offset: -4.558 ms

Below is generated by plot.py at 2018-01-16 17:32:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 86.172 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 86.172 ms
Loss rate: 0.63%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-16 11:10:11

End at: 2018-01-16 11:10:42

Local clock offset: -0.248 ms

Remote clock offset: -3.99 ms

Below is generated by plot.py at 2018-01-16 17:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.96 Mbit/s

95th percentile per-packet one-way delay: 85.522 ms

Loss rate: 0.64%

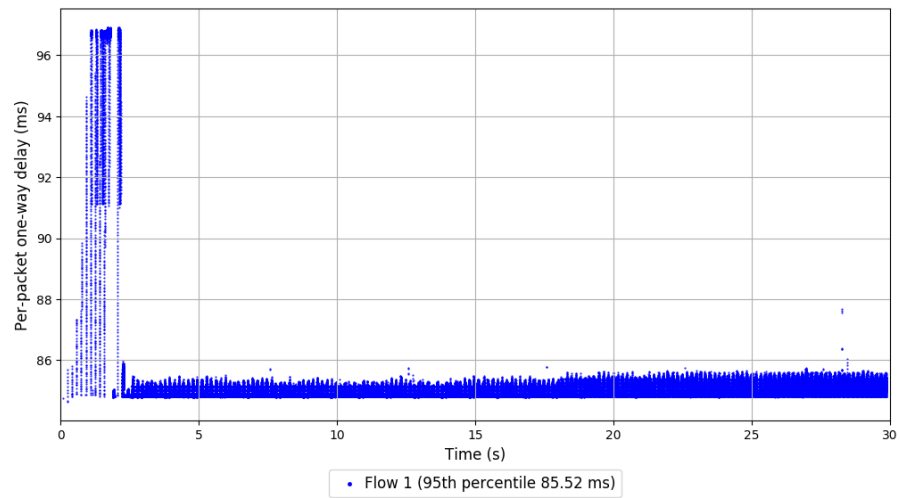
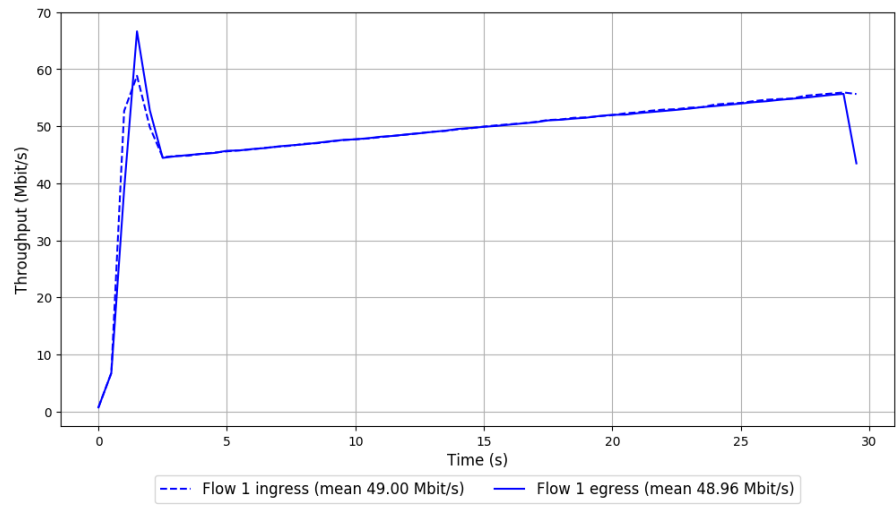
-- Flow 1:

Average throughput: 48.96 Mbit/s

95th percentile per-packet one-way delay: 85.522 ms

Loss rate: 0.64%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-16 11:32:23

End at: 2018-01-16 11:32:53

Local clock offset: -0.068 ms

Remote clock offset: 2.732 ms

Below is generated by plot.py at 2018-01-16 17:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.78 Mbit/s

95th percentile per-packet one-way delay: 79.091 ms

Loss rate: 0.64%

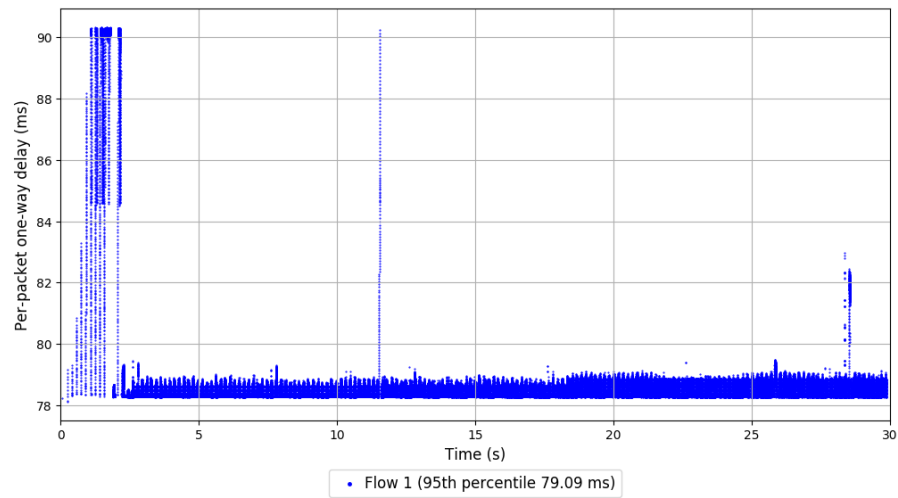
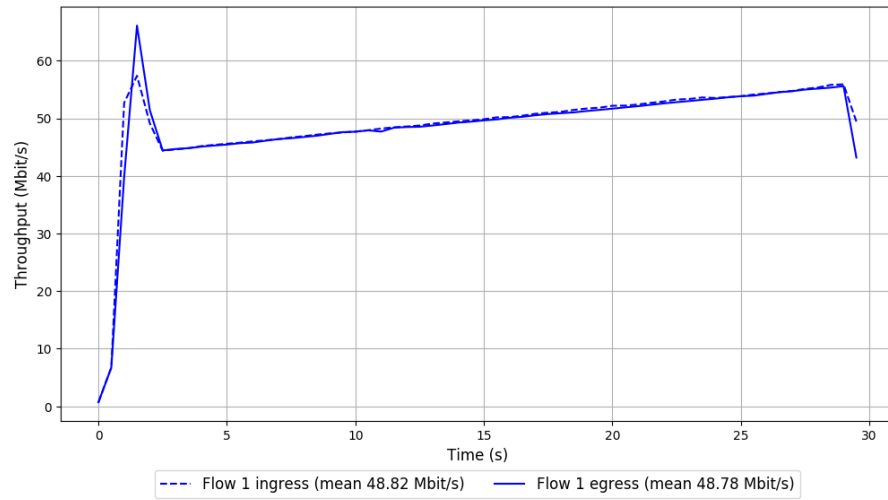
-- Flow 1:

Average throughput: 48.78 Mbit/s

95th percentile per-packet one-way delay: 79.091 ms

Loss rate: 0.64%

Run 5: Report of TCP Vegas — Data Link

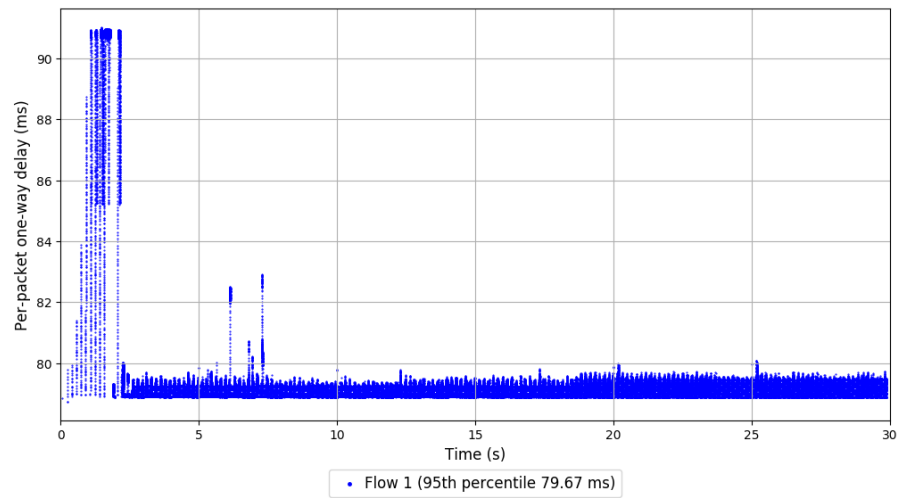
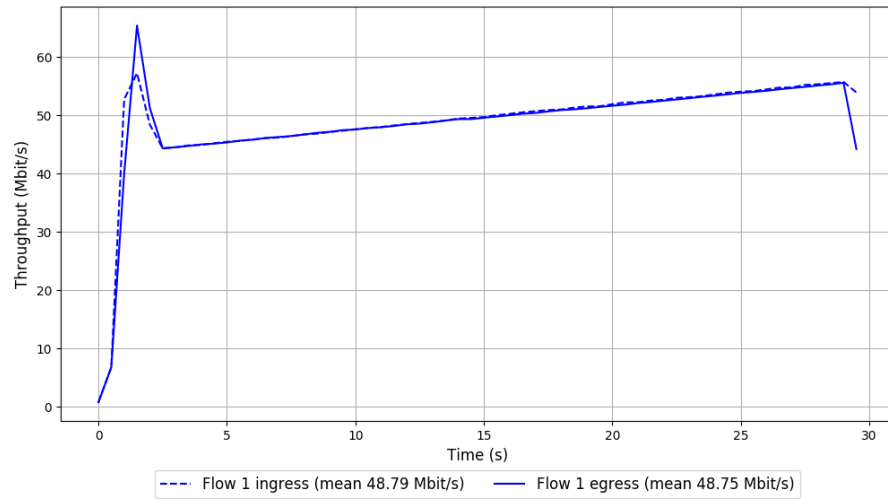


Run 6: Statistics of TCP Vegas

Start at: 2018-01-16 11:54:33
End at: 2018-01-16 11:55:03
Local clock offset: 0.16 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-01-16 17:32:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.75 Mbit/s
95th percentile per-packet one-way delay: 79.669 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 48.75 Mbit/s
95th percentile per-packet one-way delay: 79.669 ms
Loss rate: 0.63%

Run 6: Report of TCP Vegas — Data Link

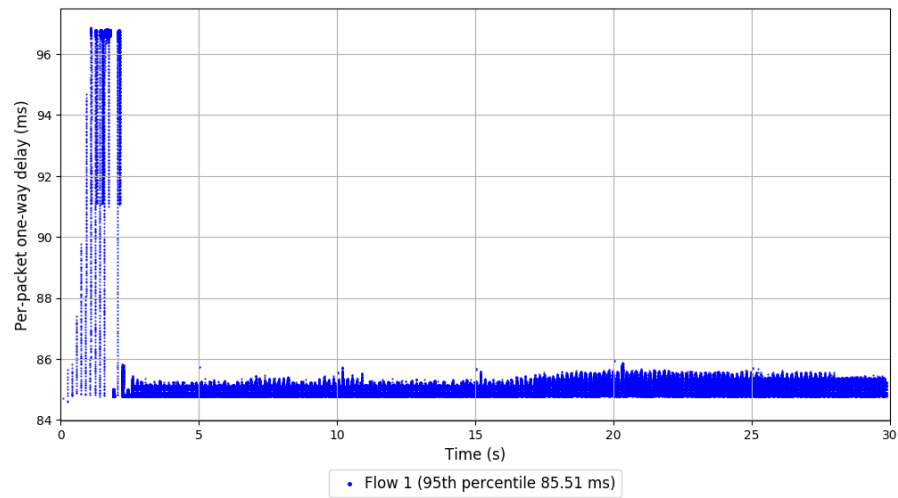
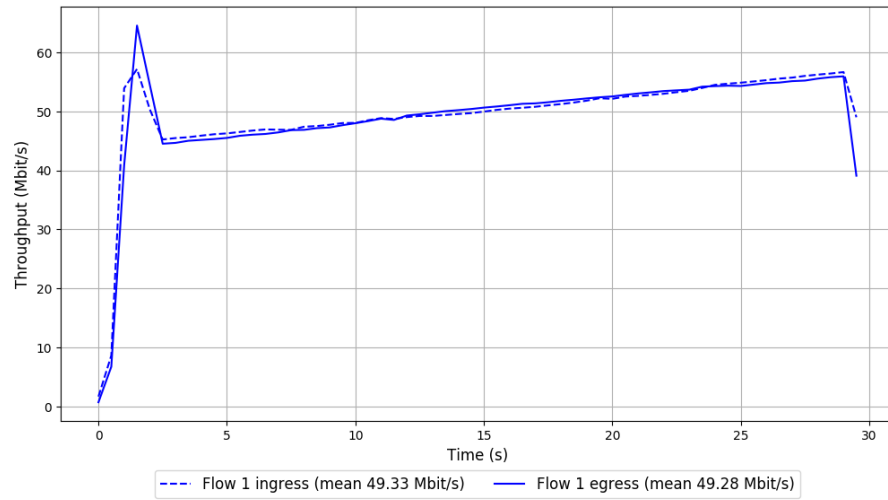


Run 7: Statistics of TCP Vegas

Start at: 2018-01-16 12:16:43
End at: 2018-01-16 12:17:13
Local clock offset: 0.298 ms
Remote clock offset: -5.765 ms

Below is generated by plot.py at 2018-01-16 17:32:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 85.506 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 85.506 ms
Loss rate: 0.63%

Run 7: Report of TCP Vegas — Data Link

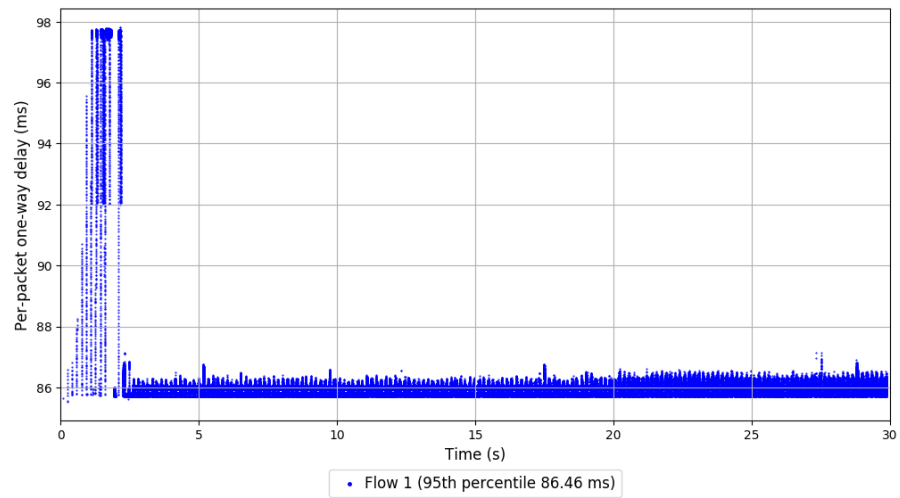
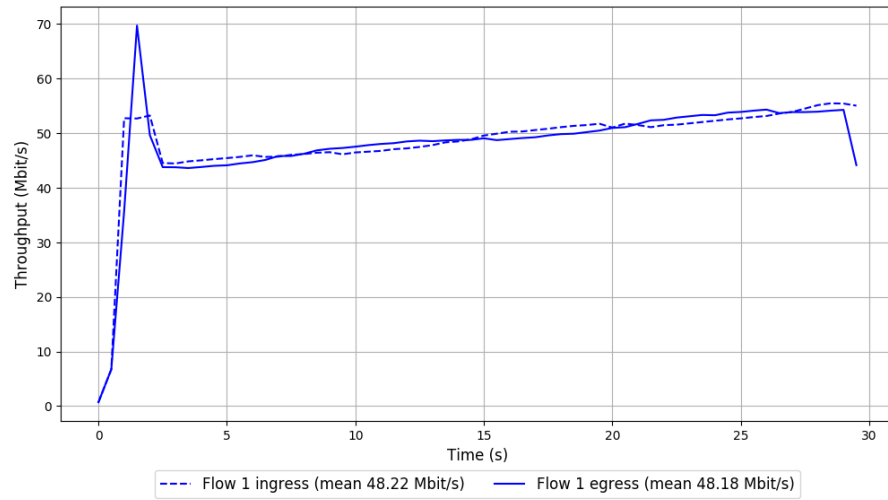


Run 8: Statistics of TCP Vegas

Start at: 2018-01-16 12:38:53
End at: 2018-01-16 12:39:23
Local clock offset: 0.507 ms
Remote clock offset: -5.337 ms

Below is generated by plot.py at 2018-01-16 17:32:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.18 Mbit/s
95th percentile per-packet one-way delay: 86.459 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 48.18 Mbit/s
95th percentile per-packet one-way delay: 86.459 ms
Loss rate: 0.64%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-16 13:01:03

End at: 2018-01-16 13:01:33

Local clock offset: 0.667 ms

Remote clock offset: -4.14 ms

Below is generated by plot.py at 2018-01-16 17:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 85.789 ms

Loss rate: 0.64%

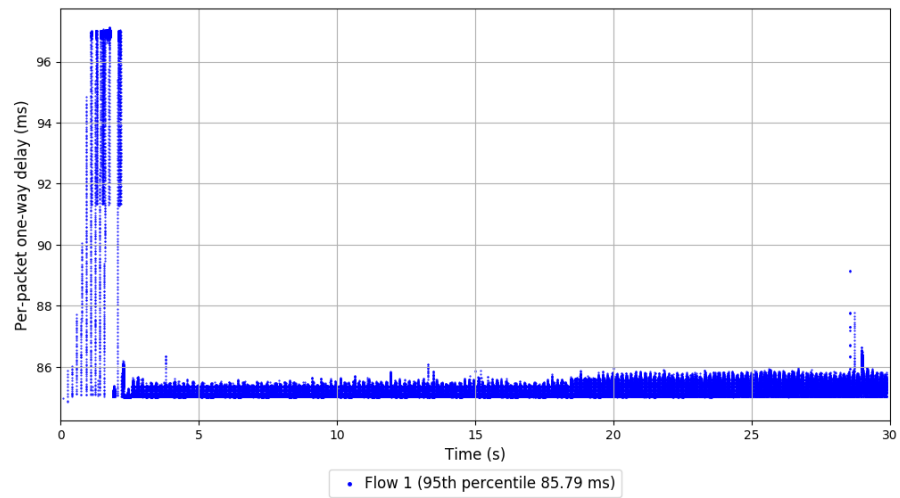
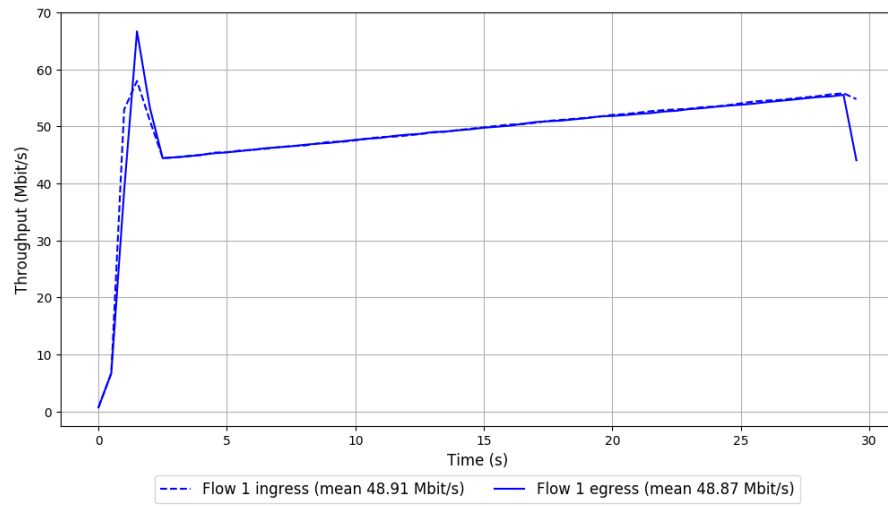
-- Flow 1:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 85.789 ms

Loss rate: 0.64%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-16 13:23:12

End at: 2018-01-16 13:23:42

Local clock offset: 0.186 ms

Remote clock offset: 0.713 ms

Below is generated by plot.py at 2018-01-16 17:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.10 Mbit/s

95th percentile per-packet one-way delay: 82.747 ms

Loss rate: 0.64%

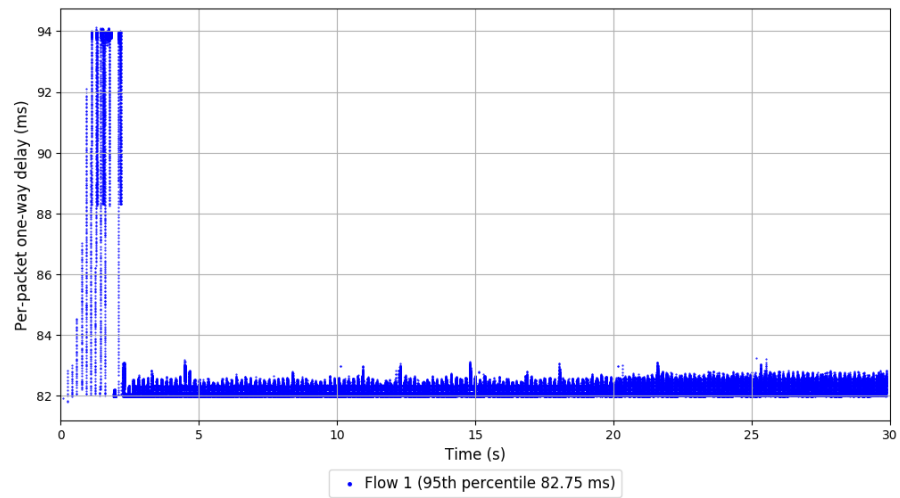
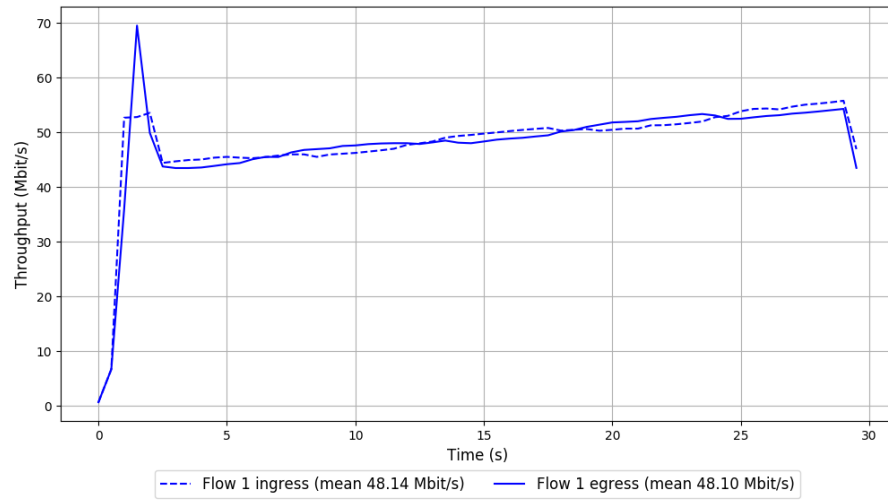
-- Flow 1:

Average throughput: 48.10 Mbit/s

95th percentile per-packet one-way delay: 82.747 ms

Loss rate: 0.64%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-16 10:07:12

End at: 2018-01-16 10:07:42

Local clock offset: 0.173 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-01-16 17:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.20 Mbit/s

95th percentile per-packet one-way delay: 91.810 ms

Loss rate: 1.23%

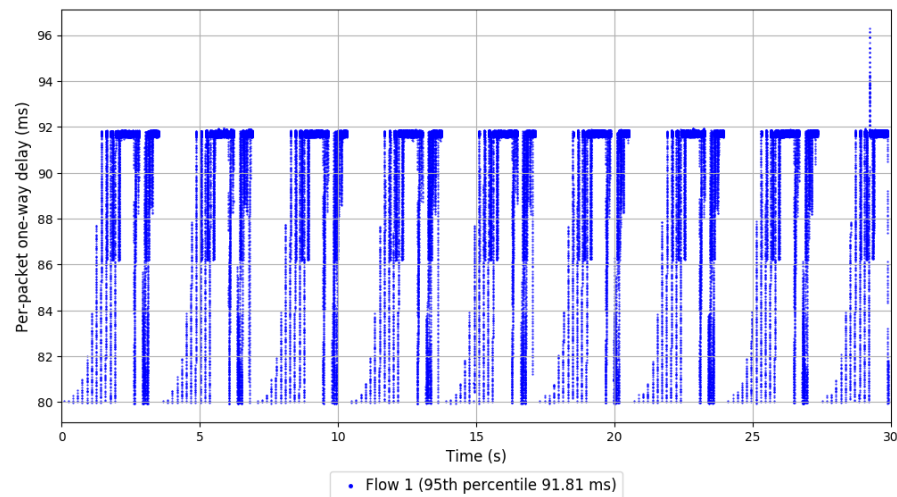
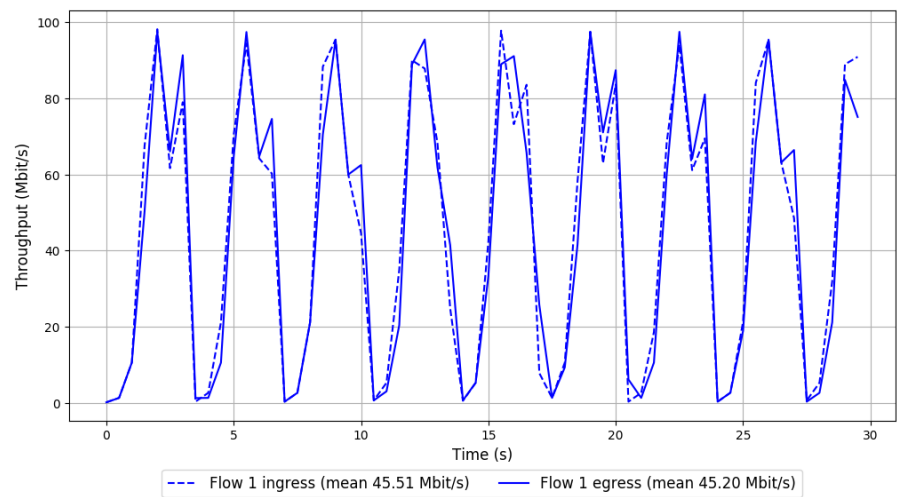
-- Flow 1:

Average throughput: 45.20 Mbit/s

95th percentile per-packet one-way delay: 91.810 ms

Loss rate: 1.23%

Run 1: Report of Verus — Data Link

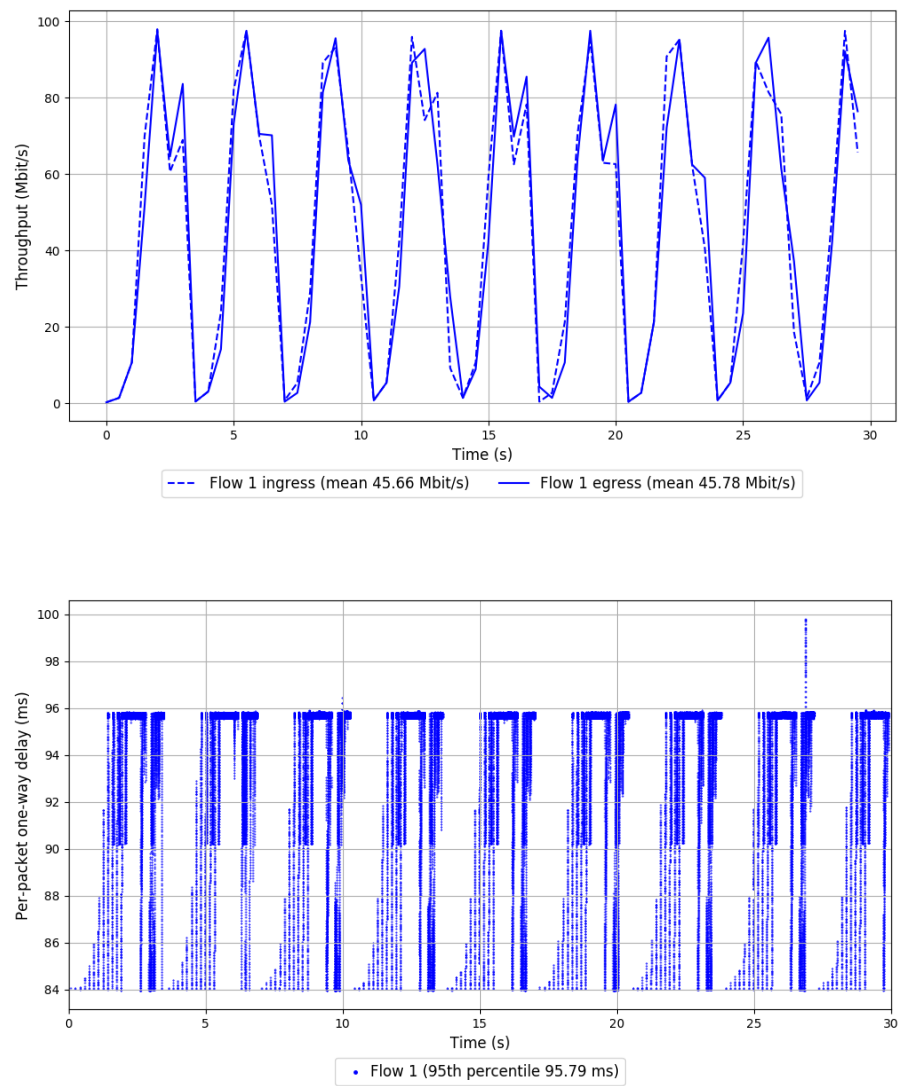


Run 2: Statistics of Verus

Start at: 2018-01-16 10:29:24
End at: 2018-01-16 10:29:54
Local clock offset: -0.258 ms
Remote clock offset: -4.779 ms

Below is generated by plot.py at 2018-01-16 17:32:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 95.793 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 95.793 ms
Loss rate: 0.29%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-16 10:51:35

End at: 2018-01-16 10:52:05

Local clock offset: -0.274 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-01-16 17:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 91.883 ms

Loss rate: 1.16%

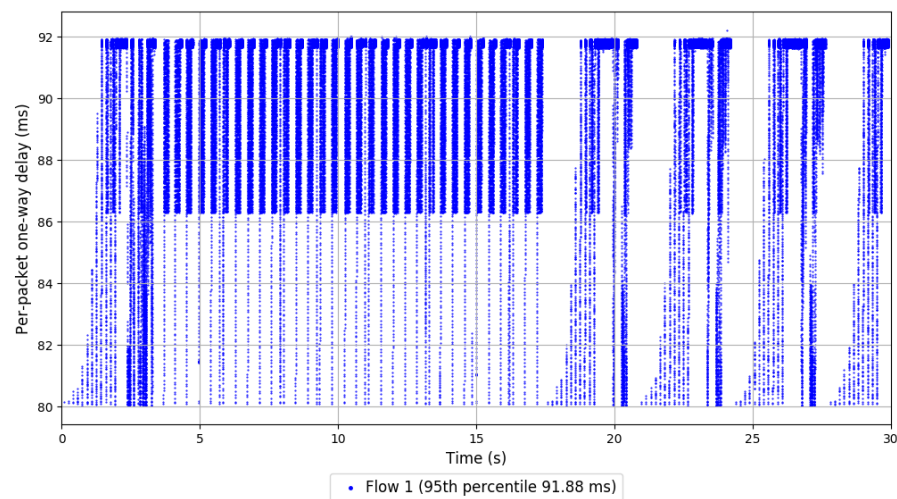
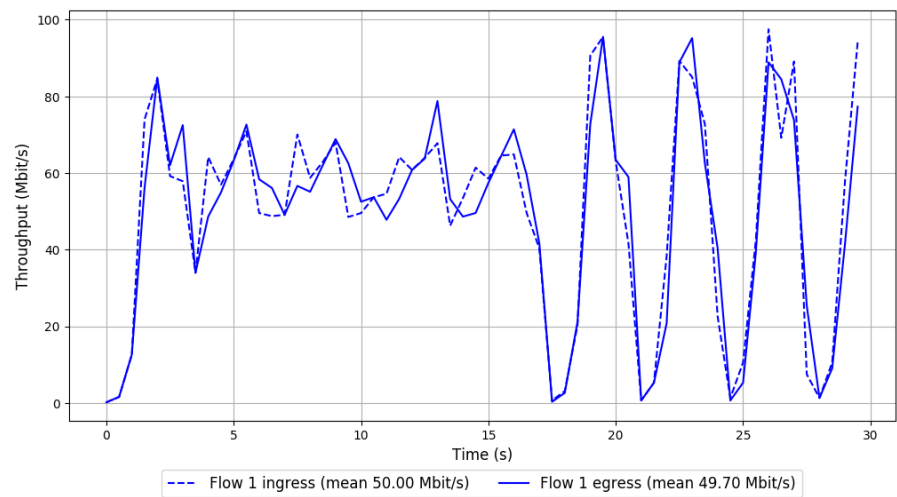
-- Flow 1:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 91.883 ms

Loss rate: 1.16%

Run 3: Report of Verus — Data Link

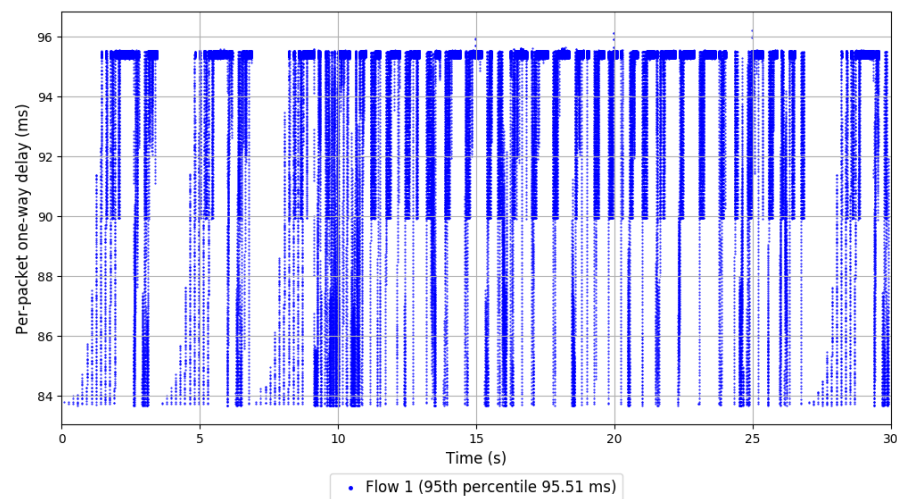
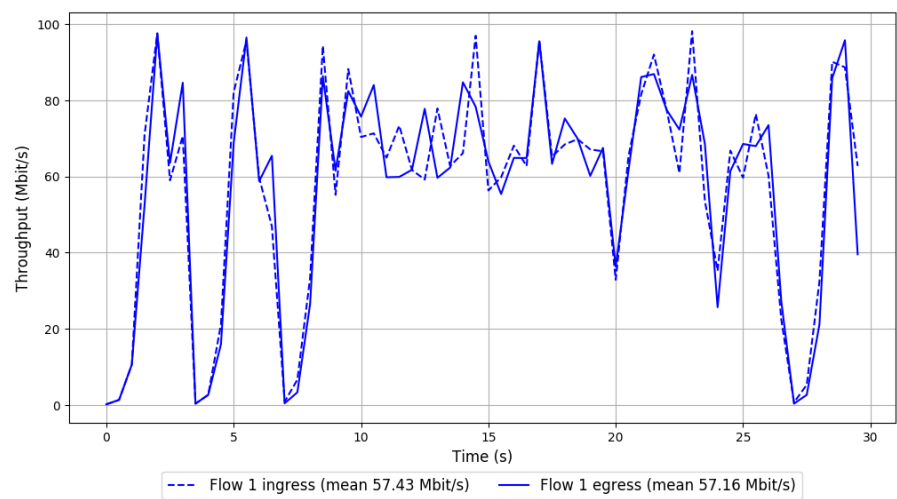


Run 4: Statistics of Verus

Start at: 2018-01-16 11:13:46
End at: 2018-01-16 11:14:16
Local clock offset: -0.147 ms
Remote clock offset: -3.129 ms

Below is generated by plot.py at 2018-01-16 17:33:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 95.514 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 95.514 ms
Loss rate: 1.01%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-16 11:35:58

End at: 2018-01-16 11:36:28

Local clock offset: -0.045 ms

Remote clock offset: 1.858 ms

Below is generated by plot.py at 2018-01-16 17:33:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.04 Mbit/s

95th percentile per-packet one-way delay: 92.122 ms

Loss rate: 1.17%

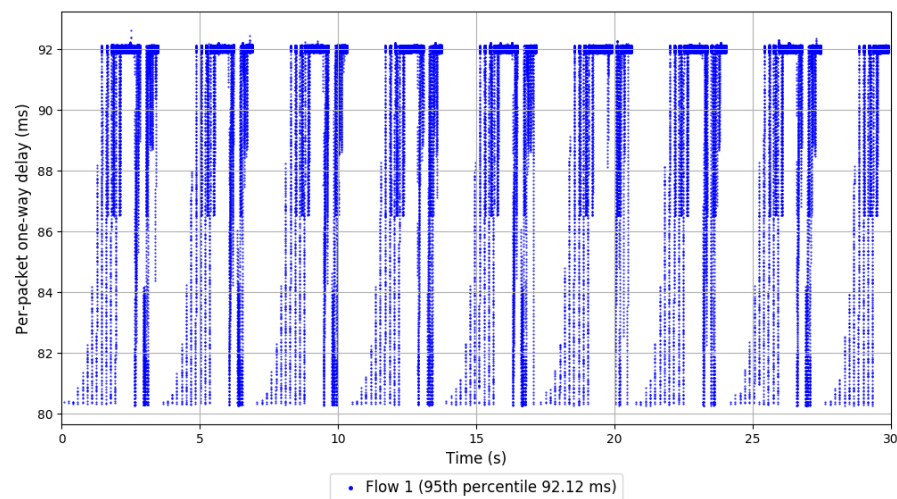
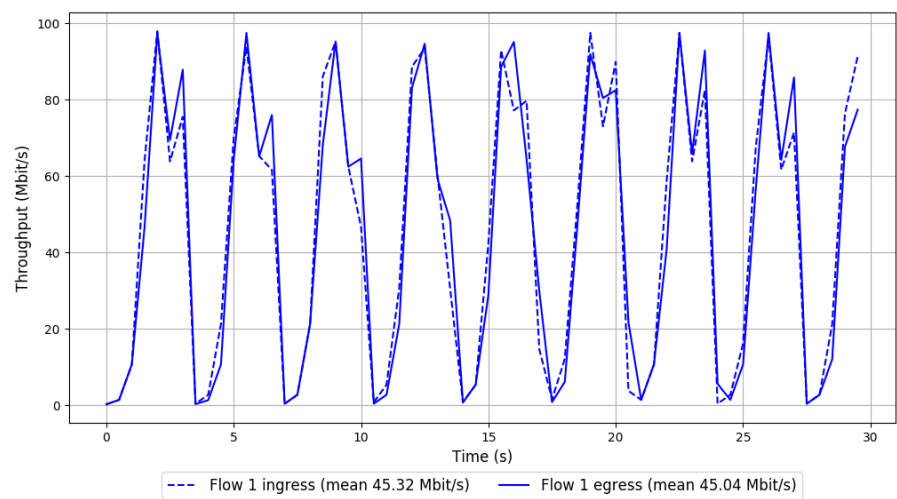
-- Flow 1:

Average throughput: 45.04 Mbit/s

95th percentile per-packet one-way delay: 92.122 ms

Loss rate: 1.17%

Run 5: Report of Verus — Data Link

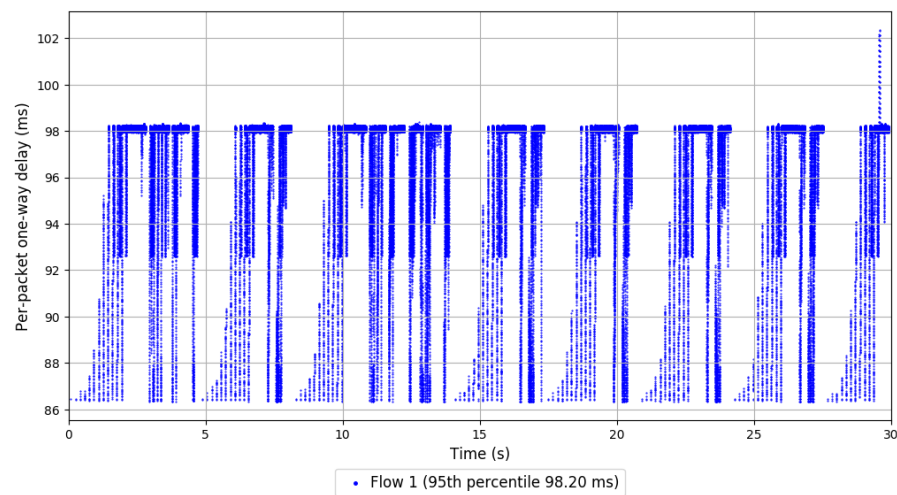
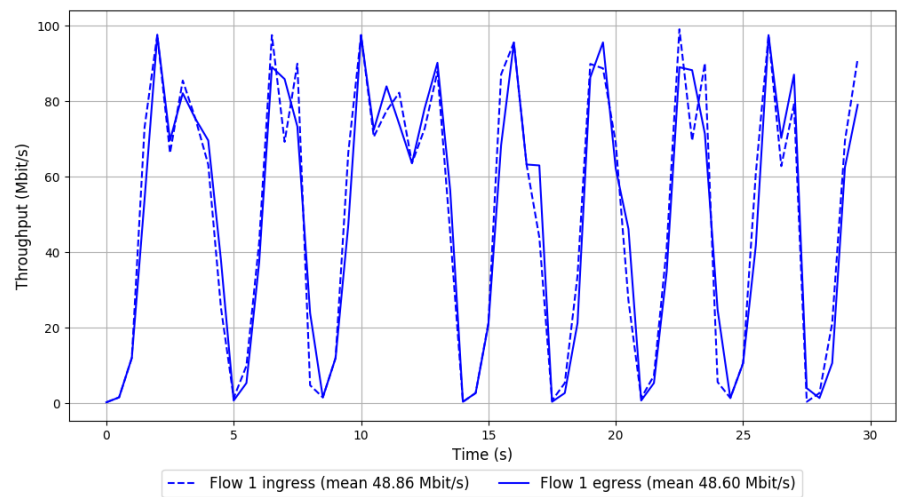


Run 6: Statistics of Verus

Start at: 2018-01-16 11:58:08
End at: 2018-01-16 11:58:38
Local clock offset: 0.186 ms
Remote clock offset: -5.068 ms

Below is generated by plot.py at 2018-01-16 17:33:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 98.199 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 98.199 ms
Loss rate: 1.07%

Run 6: Report of Verus — Data Link

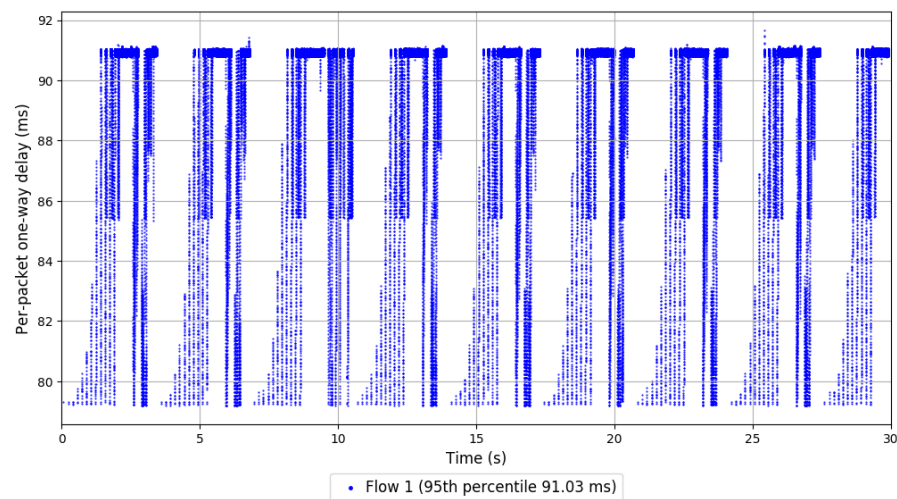
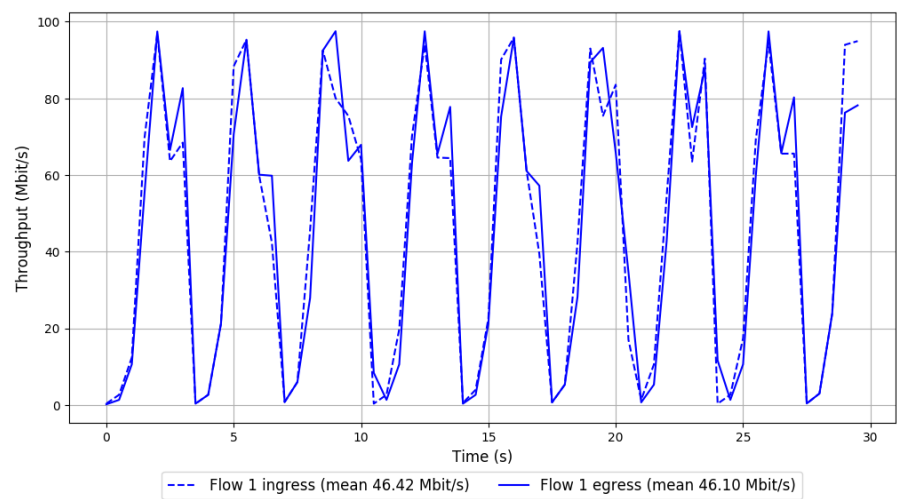


Run 7: Statistics of Verus

Start at: 2018-01-16 12:20:17
End at: 2018-01-16 12:20:47
Local clock offset: 0.335 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-01-16 17:33:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 91.031 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 91.031 ms
Loss rate: 1.24%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-16 12:42:27

End at: 2018-01-16 12:42:57

Local clock offset: 0.562 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2018-01-16 17:33:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.70 Mbit/s

95th percentile per-packet one-way delay: 91.956 ms

Loss rate: 0.63%

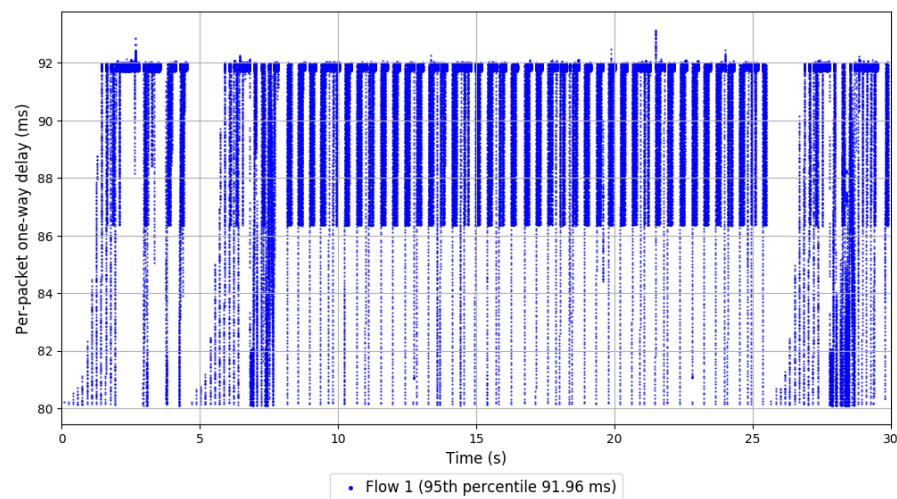
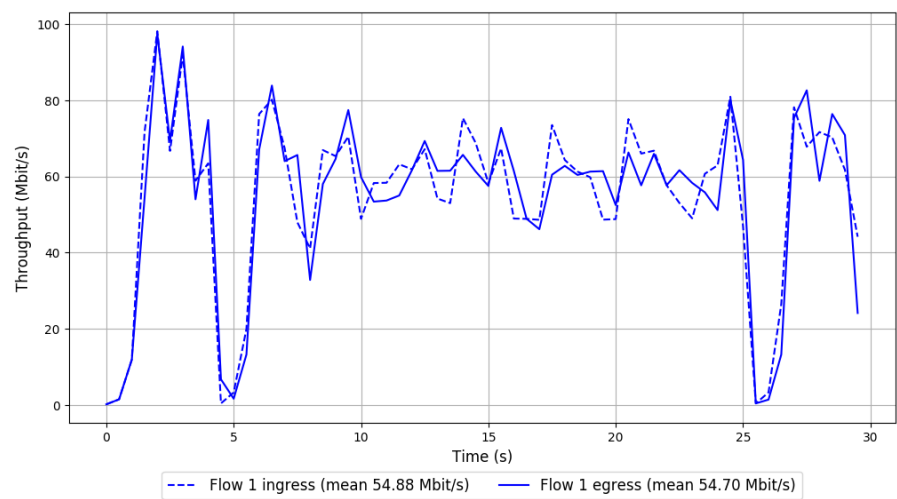
-- Flow 1:

Average throughput: 54.70 Mbit/s

95th percentile per-packet one-way delay: 91.956 ms

Loss rate: 0.63%

Run 8: Report of Verus — Data Link

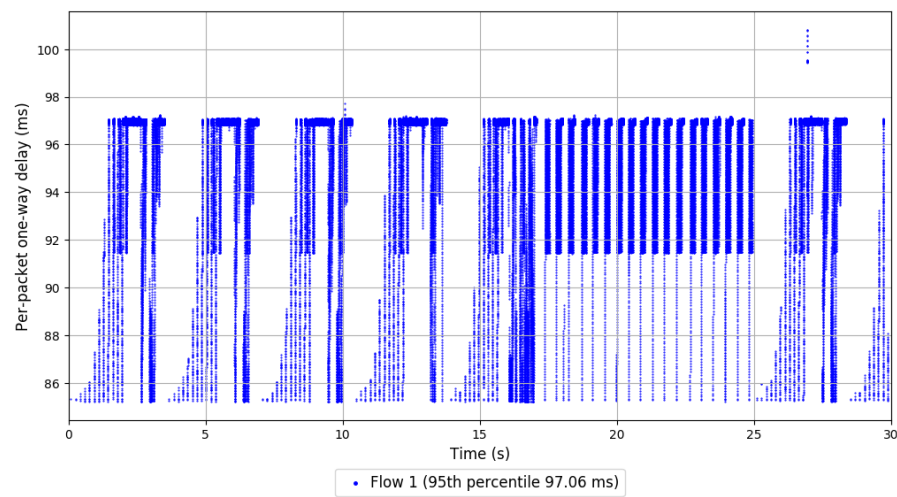
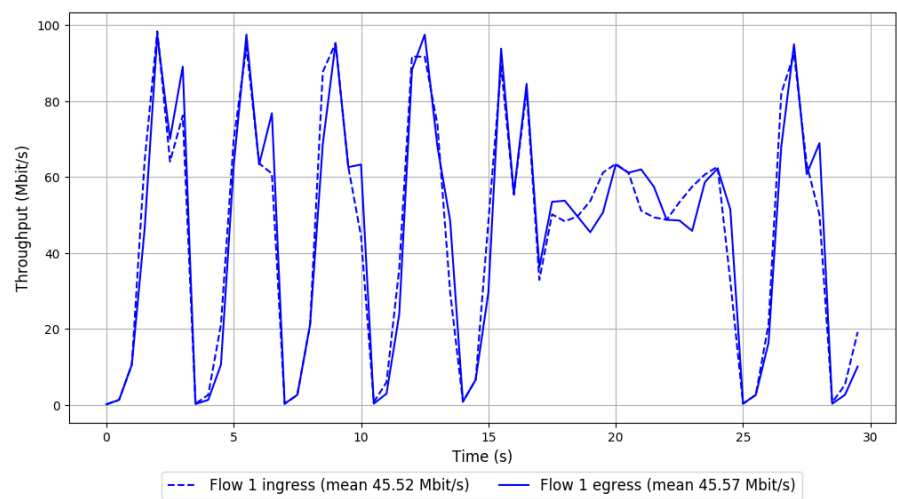


Run 9: Statistics of Verus

Start at: 2018-01-16 13:04:38
End at: 2018-01-16 13:05:08
Local clock offset: 0.587 ms
Remote clock offset: -4.125 ms

Below is generated by plot.py at 2018-01-16 17:33:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.57 Mbit/s
95th percentile per-packet one-way delay: 97.058 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 45.57 Mbit/s
95th percentile per-packet one-way delay: 97.058 ms
Loss rate: 0.44%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-16 13:26:46

End at: 2018-01-16 13:27:16

Local clock offset: 0.129 ms

Remote clock offset: -4.971 ms

Below is generated by plot.py at 2018-01-16 17:33:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.96 Mbit/s

95th percentile per-packet one-way delay: 99.808 ms

Loss rate: 6.60%

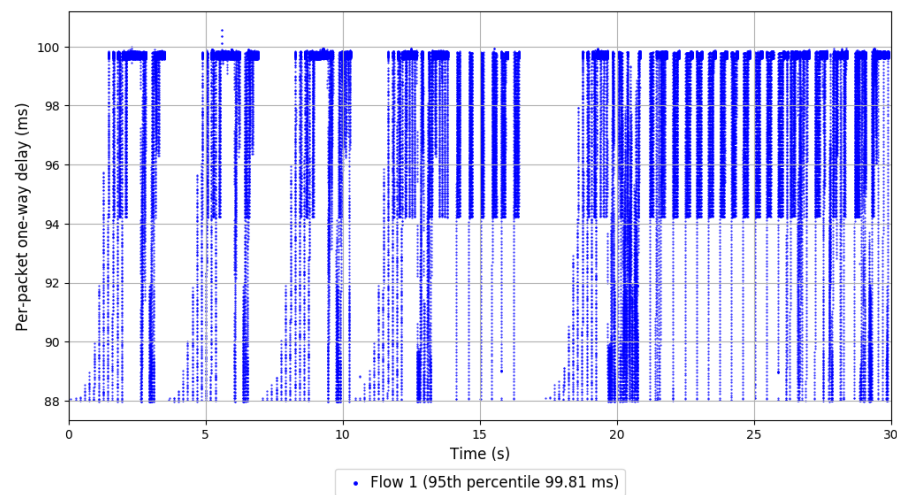
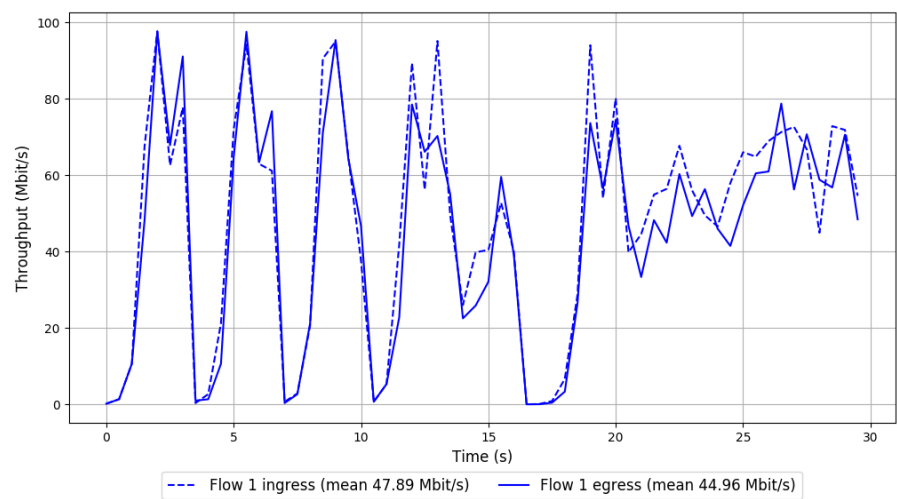
-- Flow 1:

Average throughput: 44.96 Mbit/s

95th percentile per-packet one-way delay: 99.808 ms

Loss rate: 6.60%

Run 10: Report of Verus — Data Link

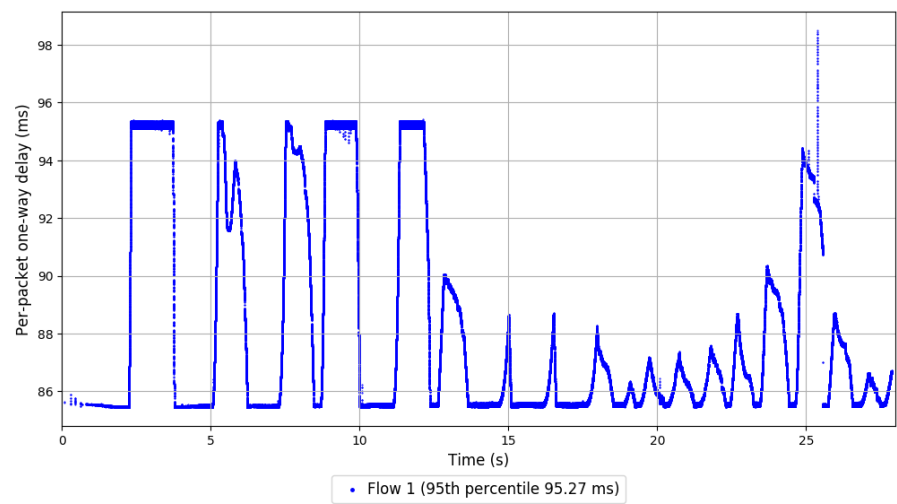
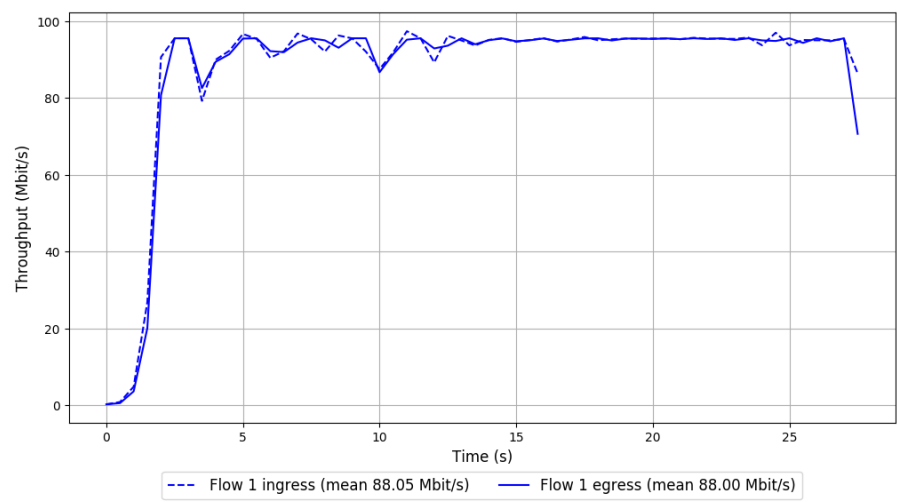


Run 1: Statistics of Copa

Start at: 2018-01-16 10:17:03
End at: 2018-01-16 10:17:33
Local clock offset: 0.005 ms
Remote clock offset: -4.962 ms

Below is generated by plot.py at 2018-01-16 17:35:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.00 Mbit/s
95th percentile per-packet one-way delay: 95.266 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 88.00 Mbit/s
95th percentile per-packet one-way delay: 95.266 ms
Loss rate: 0.65%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-16 10:39:14

End at: 2018-01-16 10:39:44

Local clock offset: -0.409 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-01-16 17:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 90.451 ms

Loss rate: 0.65%

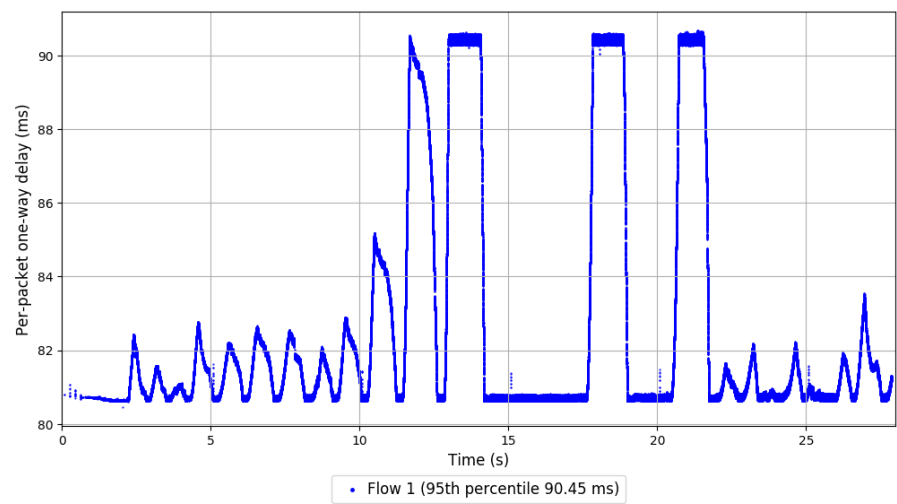
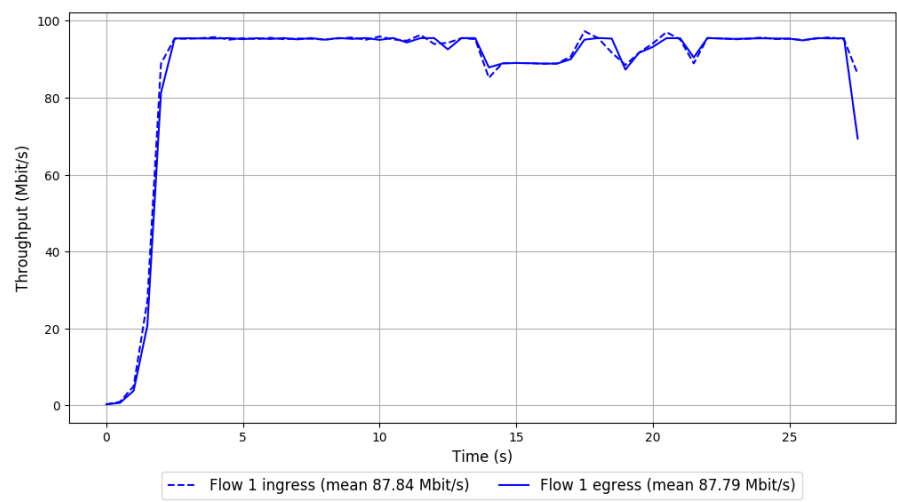
-- Flow 1:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 90.451 ms

Loss rate: 0.65%

Run 2: Report of Copa — Data Link

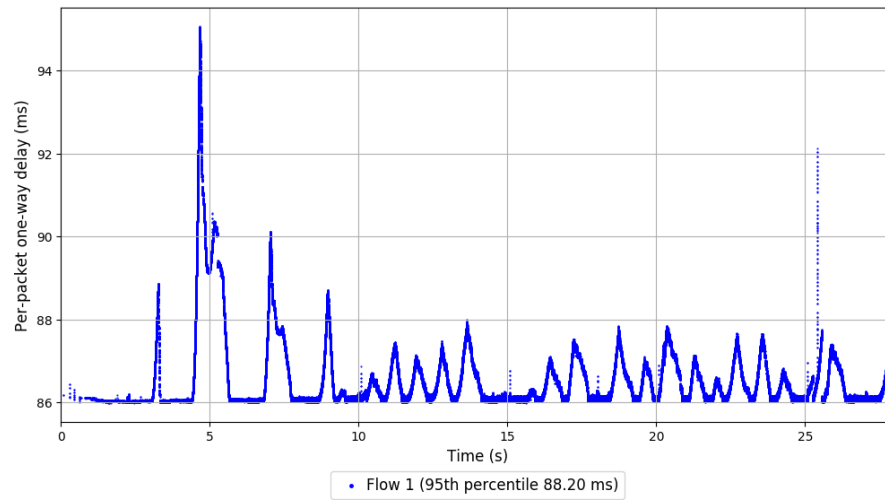
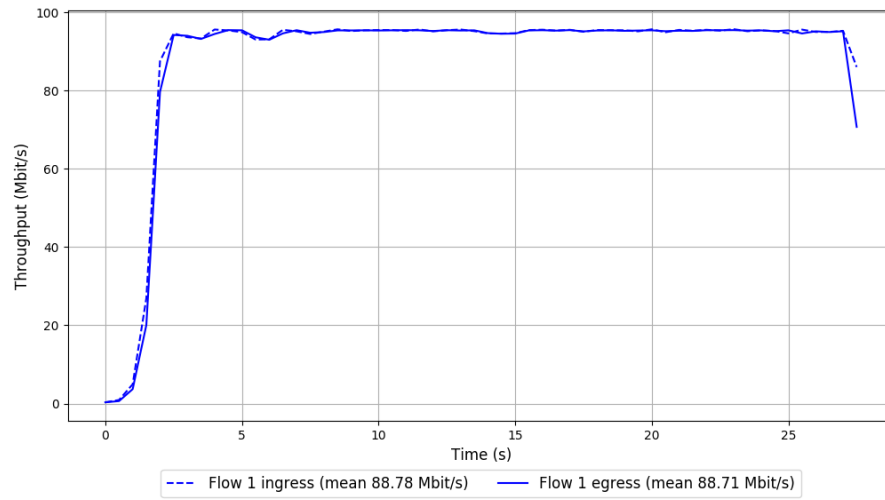


Run 3: Statistics of Copa

Start at: 2018-01-16 11:01:25
End at: 2018-01-16 11:01:55
Local clock offset: -0.212 ms
Remote clock offset: -5.357 ms

Below is generated by plot.py at 2018-01-16 17:35:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 88.199 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 88.199 ms
Loss rate: 0.67%

Run 3: Report of Copa — Data Link

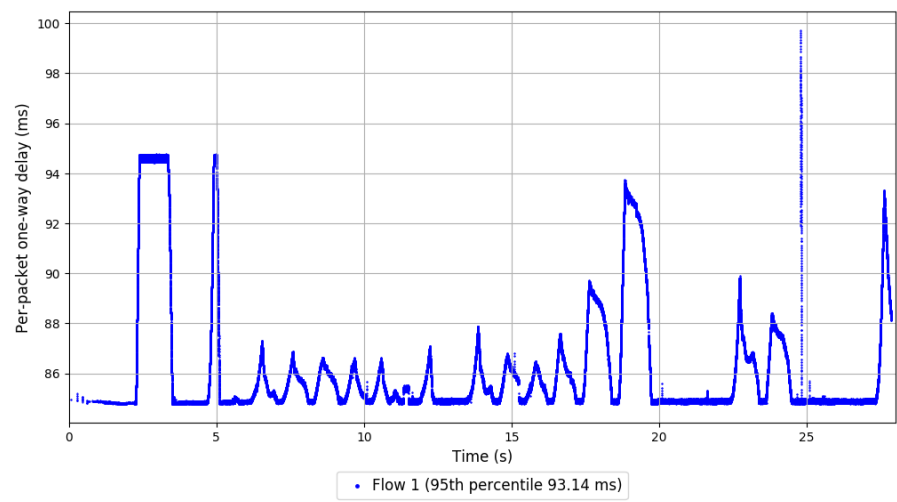
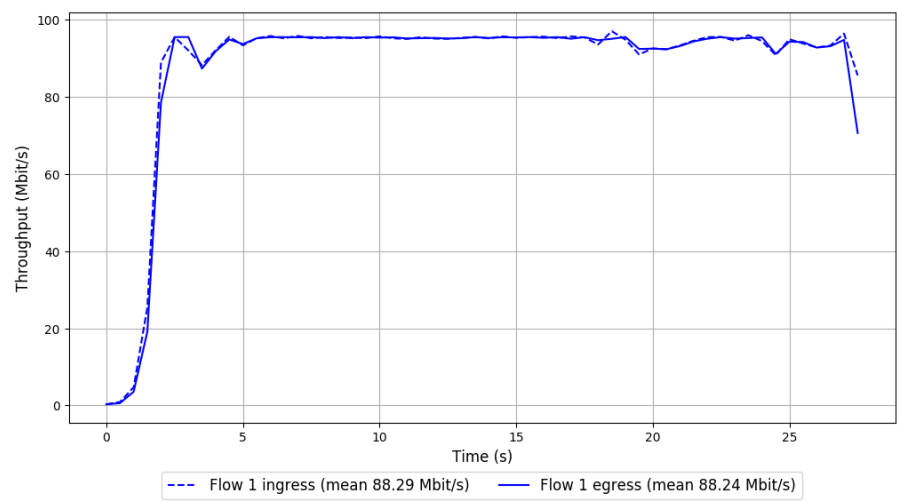


Run 4: Statistics of Copa

Start at: 2018-01-16 11:23:37
End at: 2018-01-16 11:24:07
Local clock offset: -0.123 ms
Remote clock offset: -3.836 ms

Below is generated by plot.py at 2018-01-16 17:35:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 93.139 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 93.139 ms
Loss rate: 0.66%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-16 11:45:47

End at: 2018-01-16 11:46:17

Local clock offset: 0.093 ms

Remote clock offset: -5.67 ms

Below is generated by plot.py at 2018-01-16 17:35:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 96.214 ms

Loss rate: 0.74%

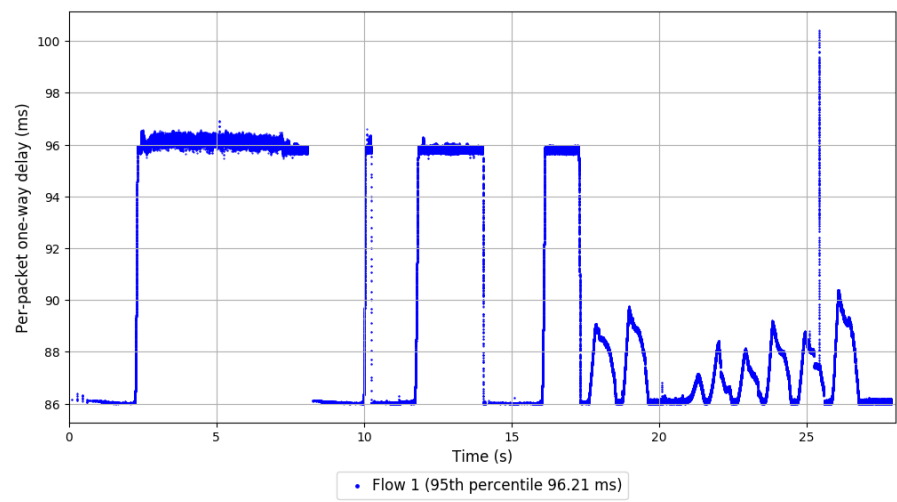
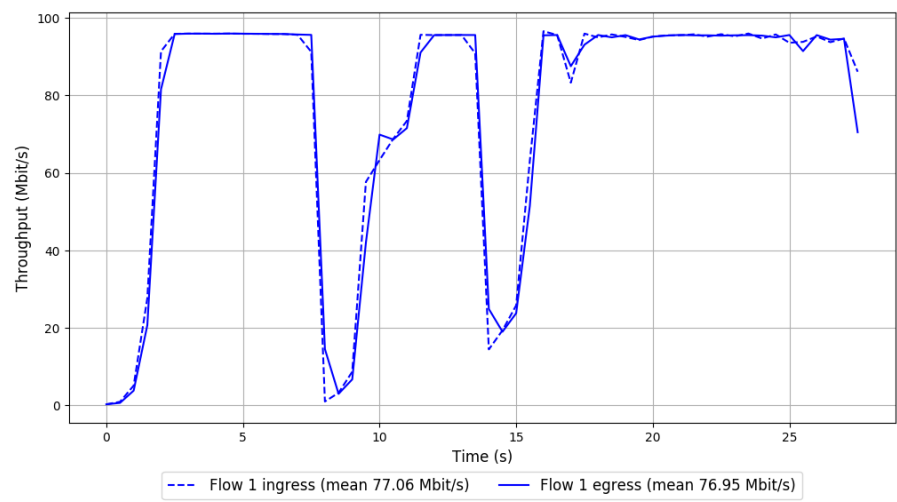
-- Flow 1:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 96.214 ms

Loss rate: 0.74%

Run 5: Report of Copa — Data Link

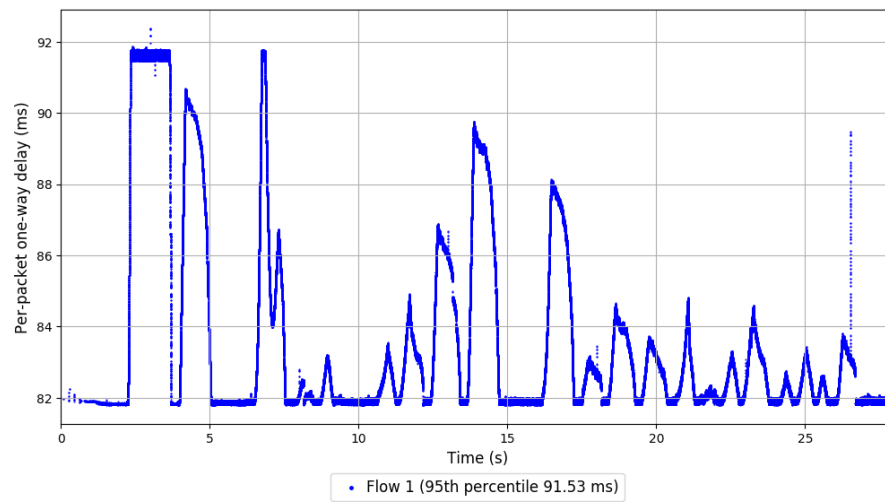
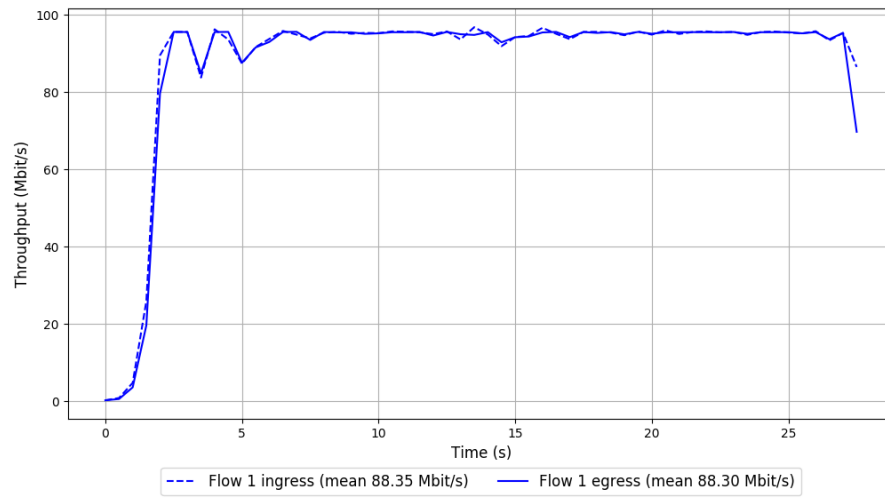


Run 6: Statistics of Copa

Start at: 2018-01-16 12:07:57
End at: 2018-01-16 12:08:28
Local clock offset: 0.197 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2018-01-16 17:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.30 Mbit/s
95th percentile per-packet one-way delay: 91.530 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 88.30 Mbit/s
95th percentile per-packet one-way delay: 91.530 ms
Loss rate: 0.66%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-16 12:30:07

End at: 2018-01-16 12:30:37

Local clock offset: 0.371 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-01-16 17:35:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 91.739 ms

Loss rate: 0.69%

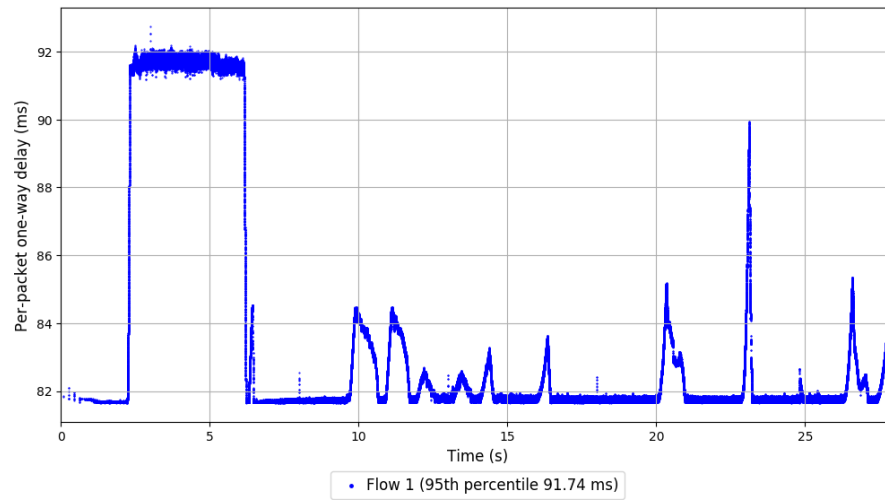
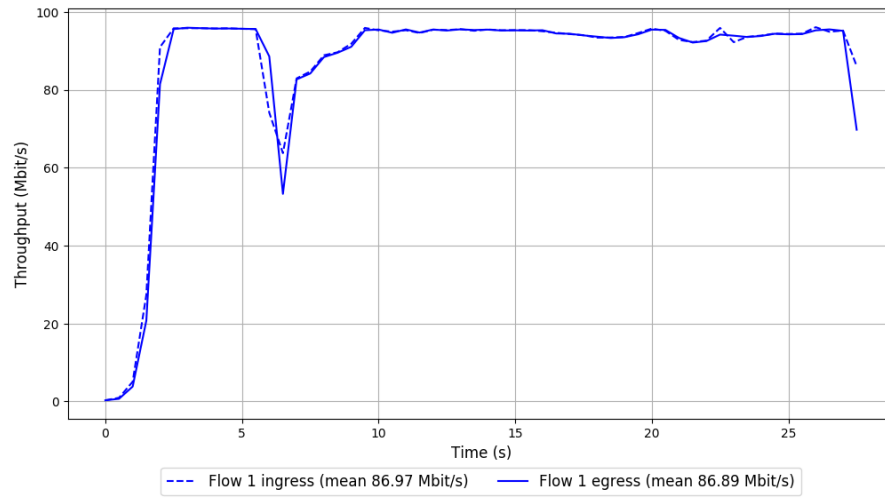
-- Flow 1:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 91.739 ms

Loss rate: 0.69%

Run 7: Report of Copa — Data Link

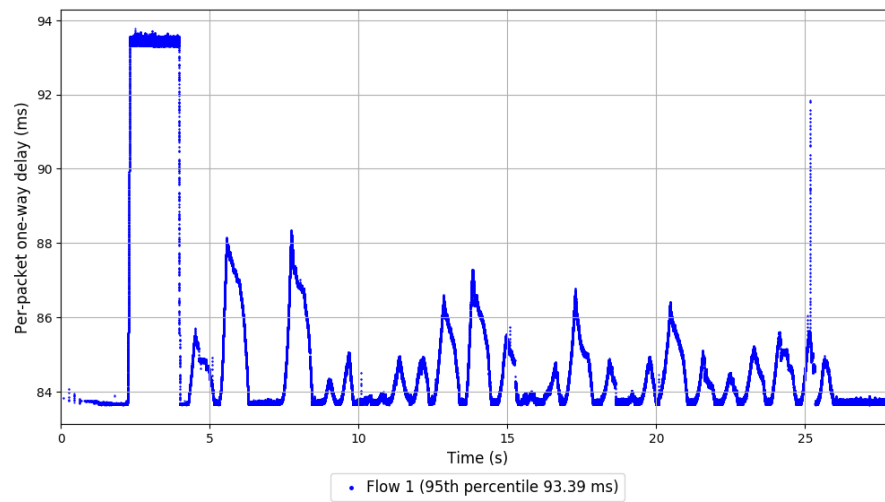
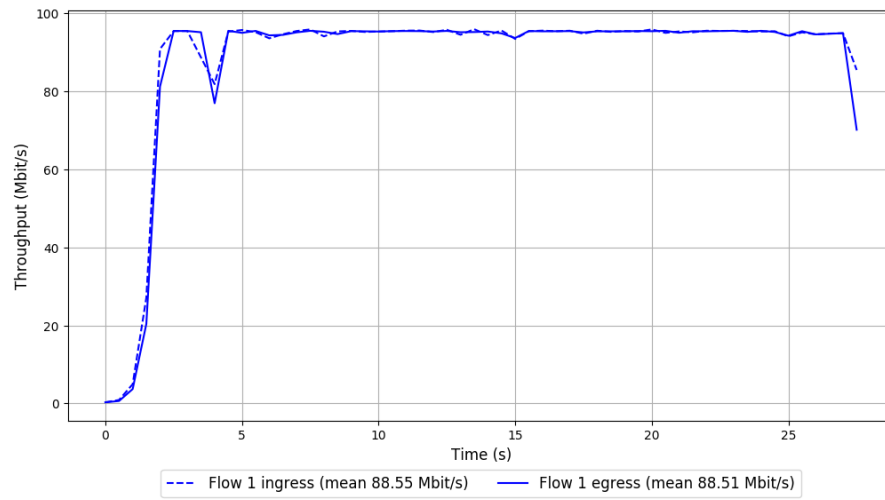


Run 8: Statistics of Copa

Start at: 2018-01-16 12:52:17
End at: 2018-01-16 12:52:47
Local clock offset: 0.657 ms
Remote clock offset: -4.396 ms

Below is generated by plot.py at 2018-01-16 17:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 93.391 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 93.391 ms
Loss rate: 0.63%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-16 13:14:27

End at: 2018-01-16 13:14:57

Local clock offset: 0.331 ms

Remote clock offset: 1.275 ms

Below is generated by plot.py at 2018-01-16 17:37:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.15 Mbit/s

95th percentile per-packet one-way delay: 88.758 ms

Loss rate: 0.70%

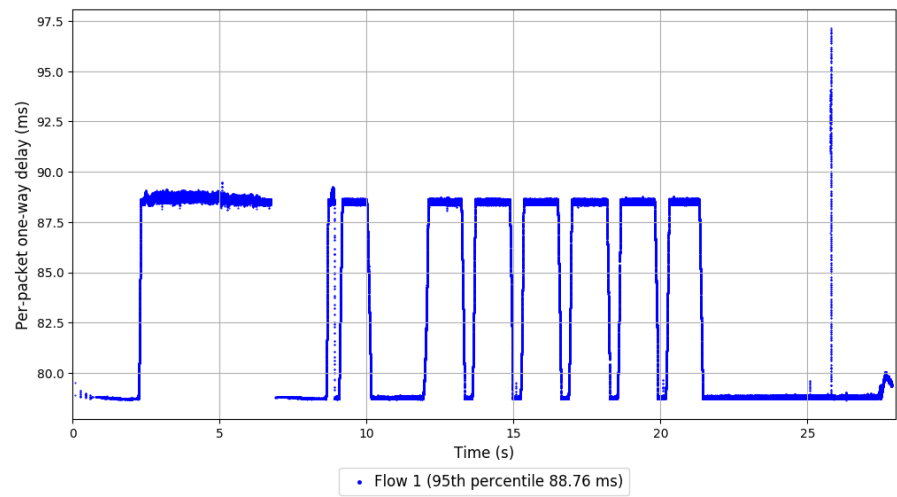
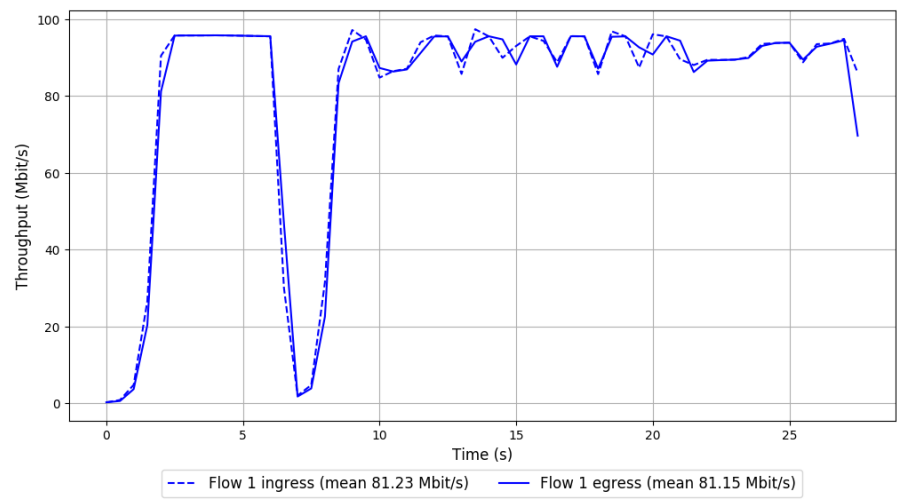
-- Flow 1:

Average throughput: 81.15 Mbit/s

95th percentile per-packet one-way delay: 88.758 ms

Loss rate: 0.70%

Run 9: Report of Copa — Data Link

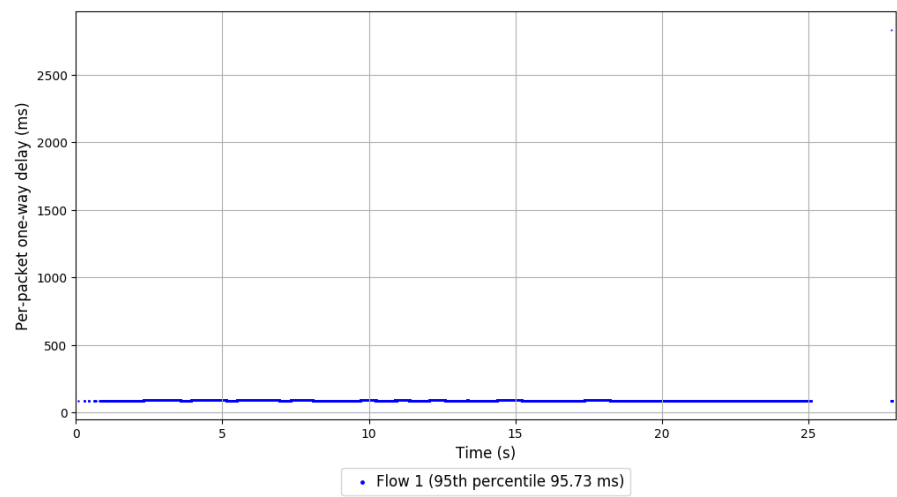
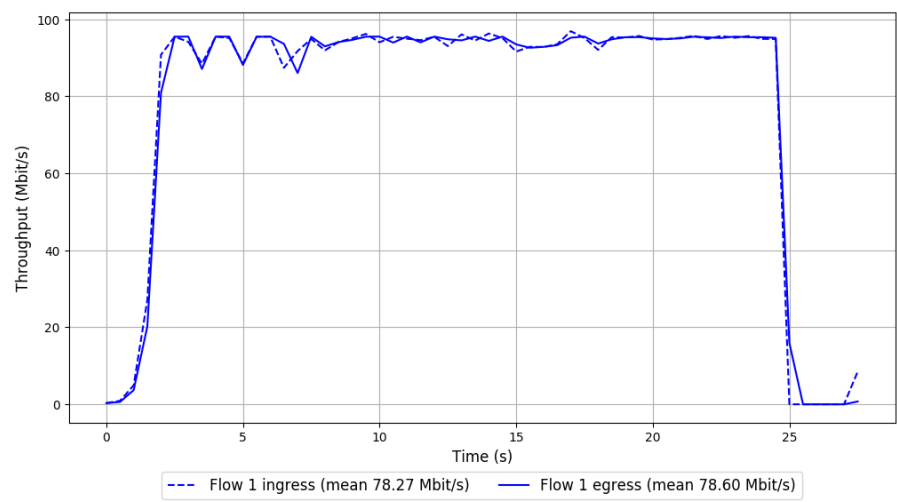


Run 10: Statistics of Copa

Start at: 2018-01-16 13:36:35
End at: 2018-01-16 13:37:05
Local clock offset: -0.041 ms
Remote clock offset: -4.073 ms

Below is generated by plot.py at 2018-01-16 17:37:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 95.728 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 95.728 ms
Loss rate: 0.18%

Run 10: Report of Copa — Data Link

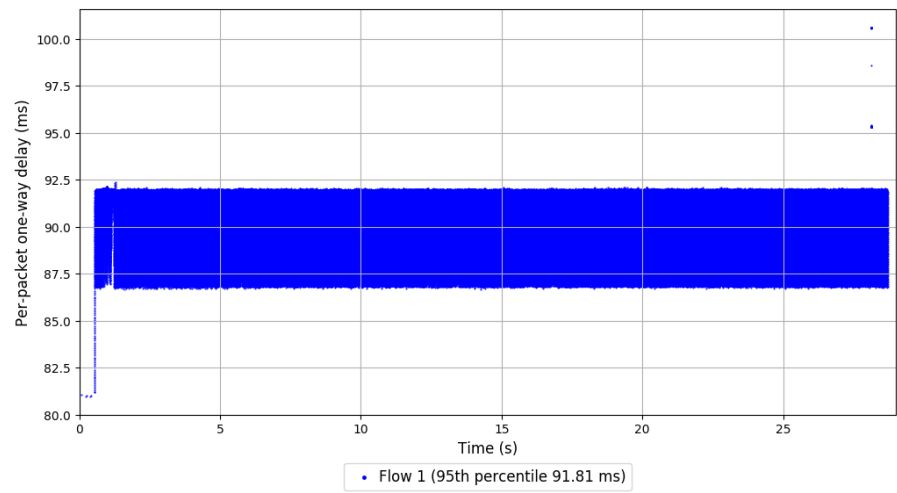
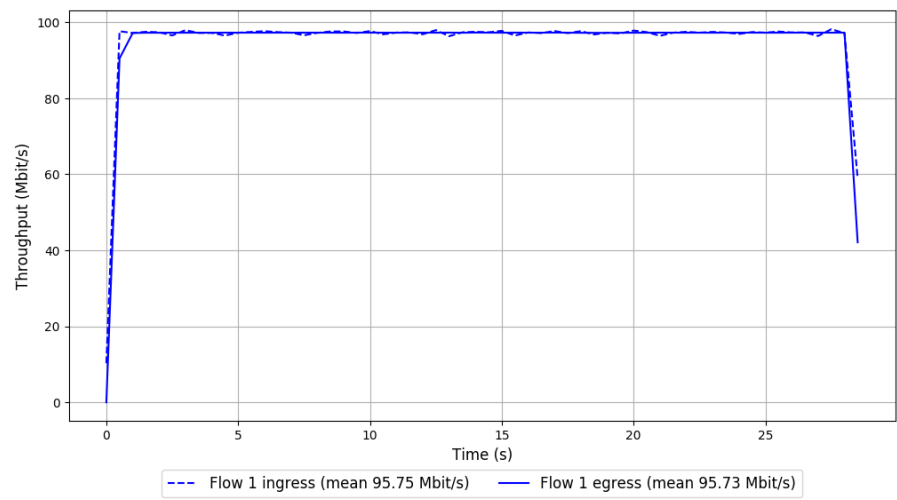


Run 1: Statistics of FillP

Start at: 2018-01-16 10:15:49
End at: 2018-01-16 10:16:19
Local clock offset: 0.036 ms
Remote clock offset: -0.534 ms

Below is generated by plot.py at 2018-01-16 17:37:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 91.805 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 91.805 ms
Loss rate: 0.63%

Run 1: Report of FillP — Data Link

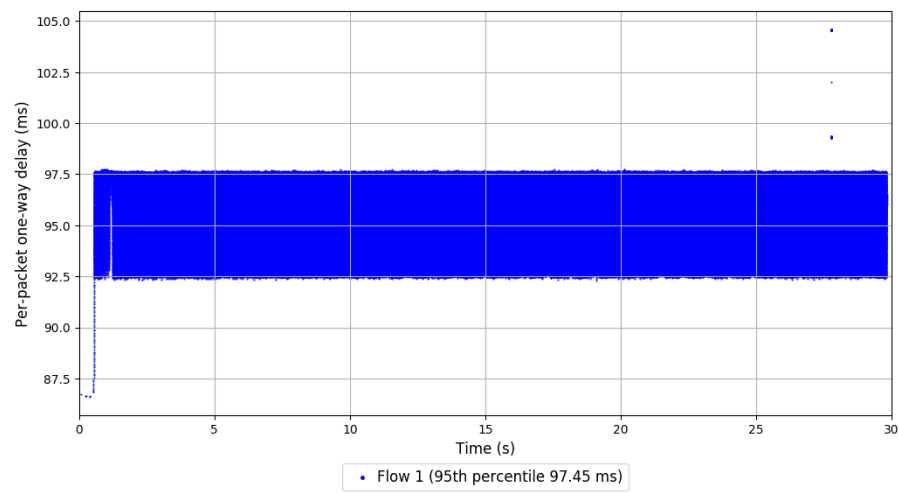
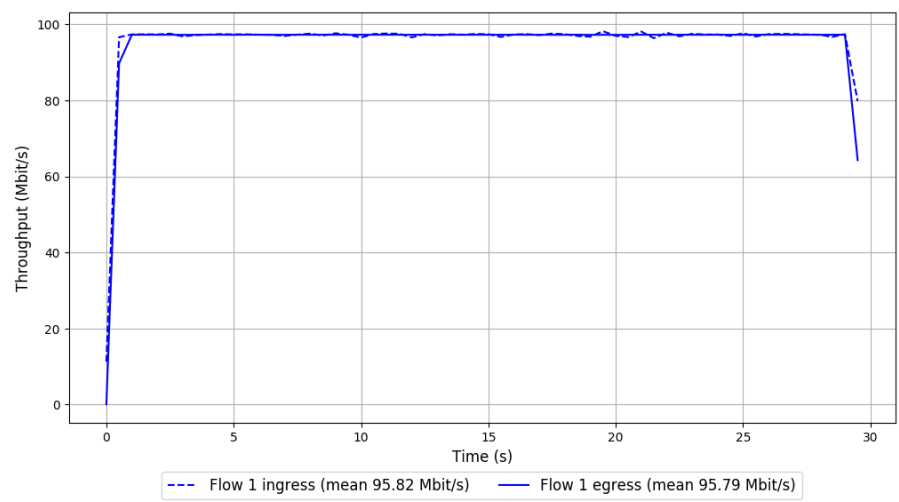


Run 2: Statistics of FillP

Start at: 2018-01-16 10:38:00
End at: 2018-01-16 10:38:30
Local clock offset: -0.333 ms
Remote clock offset: -4.488 ms

Below is generated by plot.py at 2018-01-16 17:37:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 97.448 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 97.448 ms
Loss rate: 0.59%

Run 2: Report of FillP — Data Link

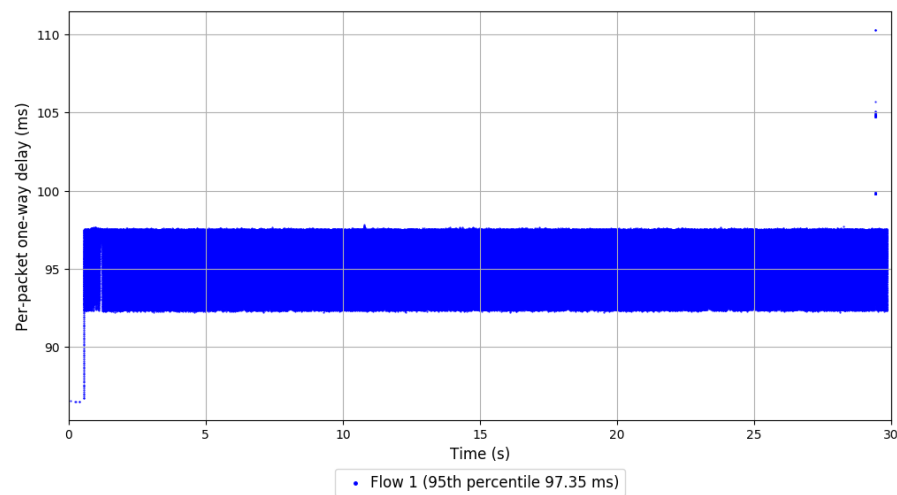
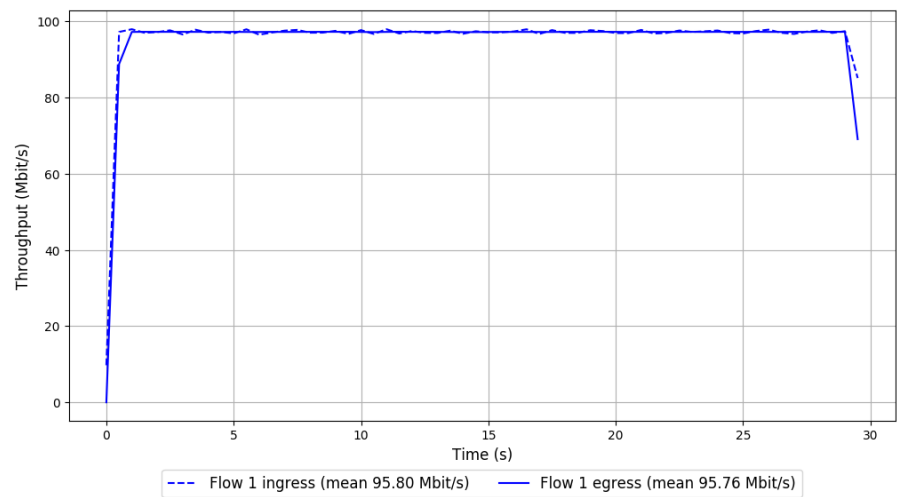


Run 3: Statistics of FillP

Start at: 2018-01-16 11:00:11
End at: 2018-01-16 11:00:41
Local clock offset: -0.228 ms
Remote clock offset: -4.485 ms

Below is generated by plot.py at 2018-01-16 17:37:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 97.351 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 97.351 ms
Loss rate: 0.60%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-16 11:22:22

End at: 2018-01-16 11:22:52

Local clock offset: -0.127 ms

Remote clock offset: 0.996 ms

Below is generated by plot.py at 2018-01-16 17:37:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 89.191 ms

Loss rate: 0.58%

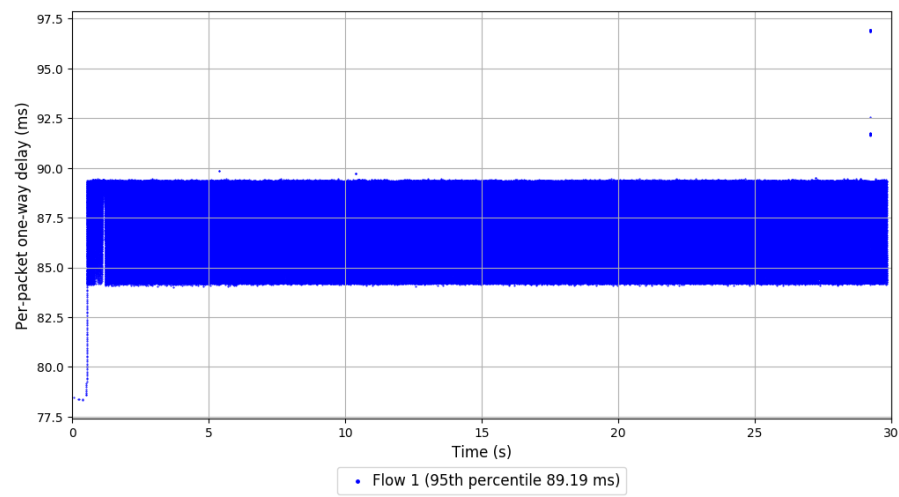
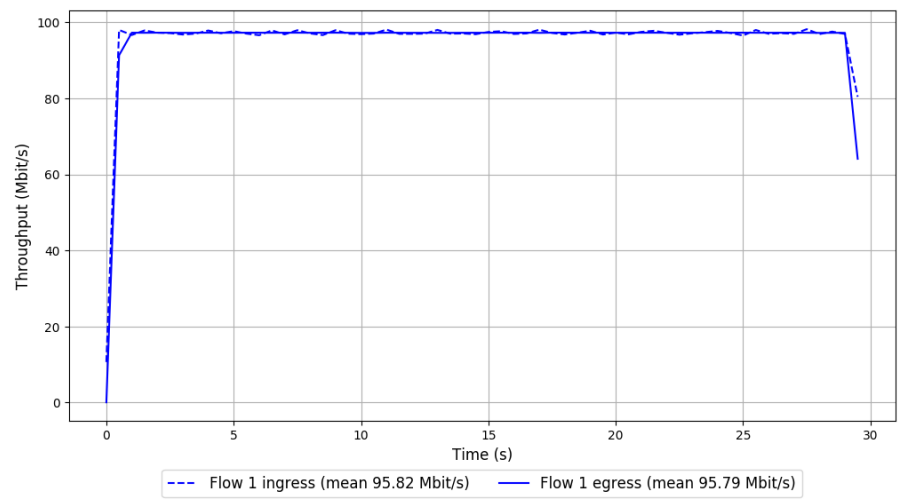
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 89.191 ms

Loss rate: 0.58%

Run 4: Report of FillP — Data Link

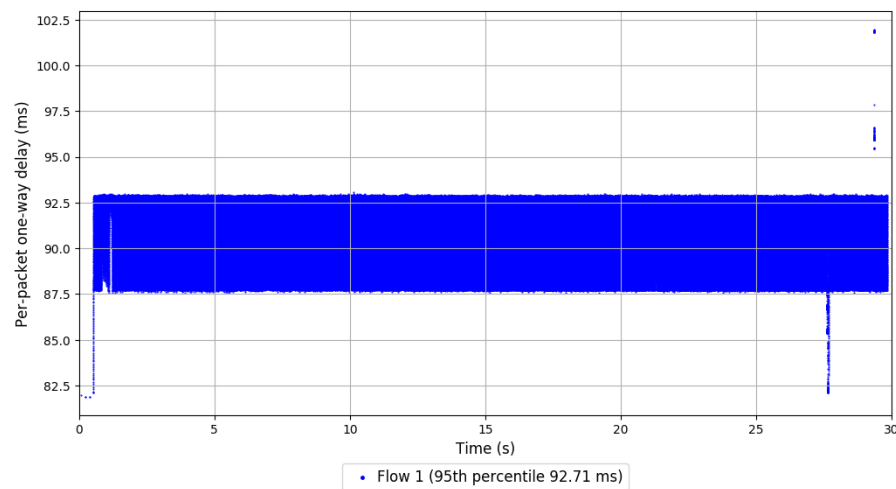
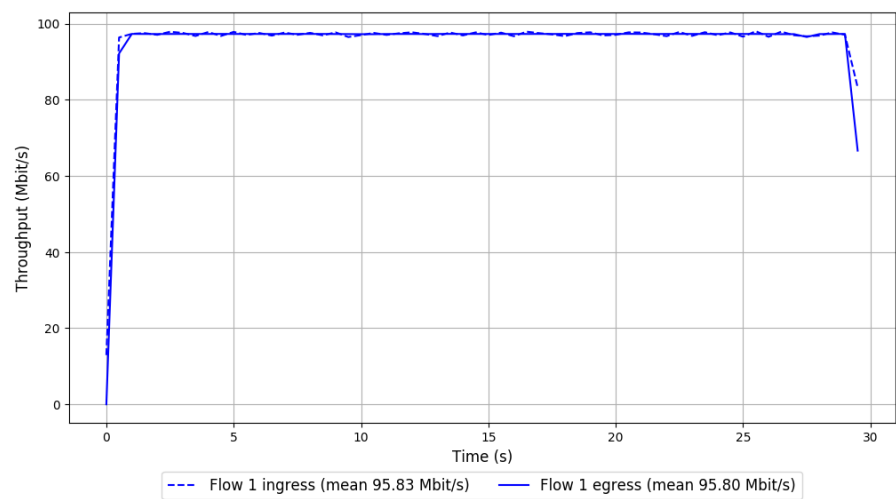


Run 5: Statistics of FillP

Start at: 2018-01-16 11:44:34
End at: 2018-01-16 11:45:04
Local clock offset: 0.054 ms
Remote clock offset: -2.944 ms

Below is generated by plot.py at 2018-01-16 17:37:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 92.710 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 92.710 ms
Loss rate: 0.60%

Run 5: Report of FillP — Data Link

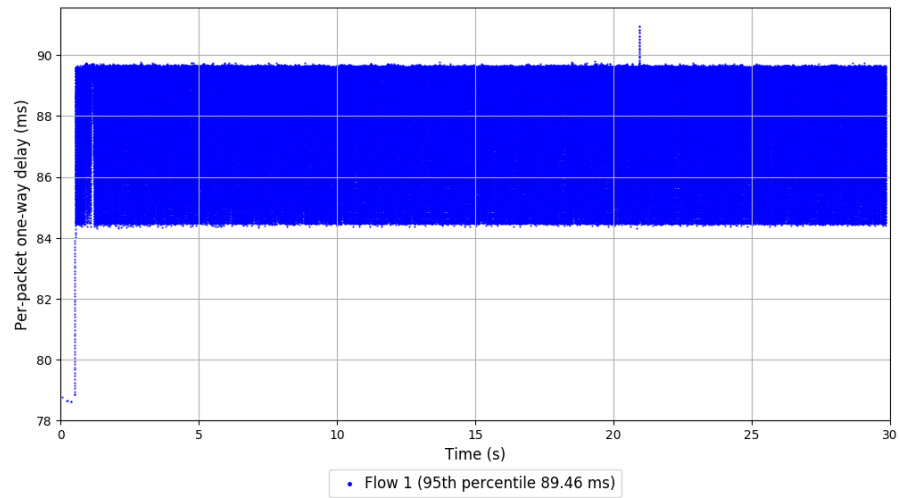
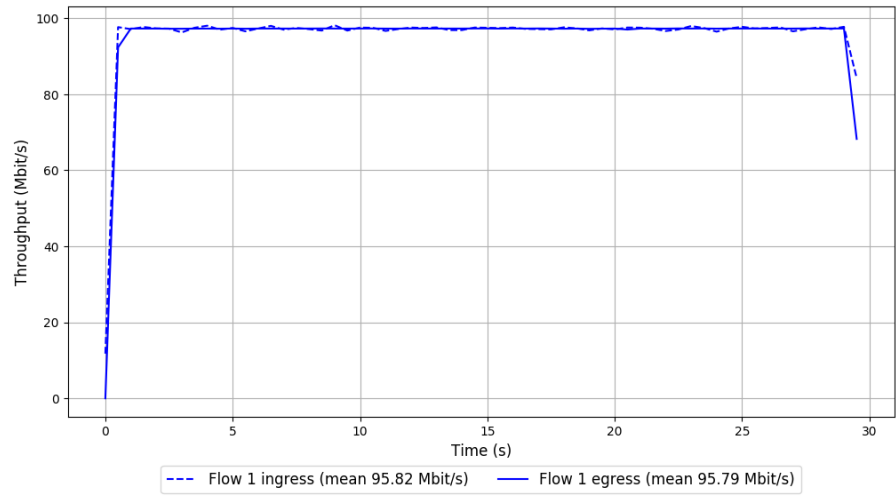


Run 6: Statistics of FillP

Start at: 2018-01-16 12:06:44
End at: 2018-01-16 12:07:14
Local clock offset: 0.199 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-01-16 17:37:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 89.463 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 89.463 ms
Loss rate: 0.58%

Run 6: Report of FillP — Data Link

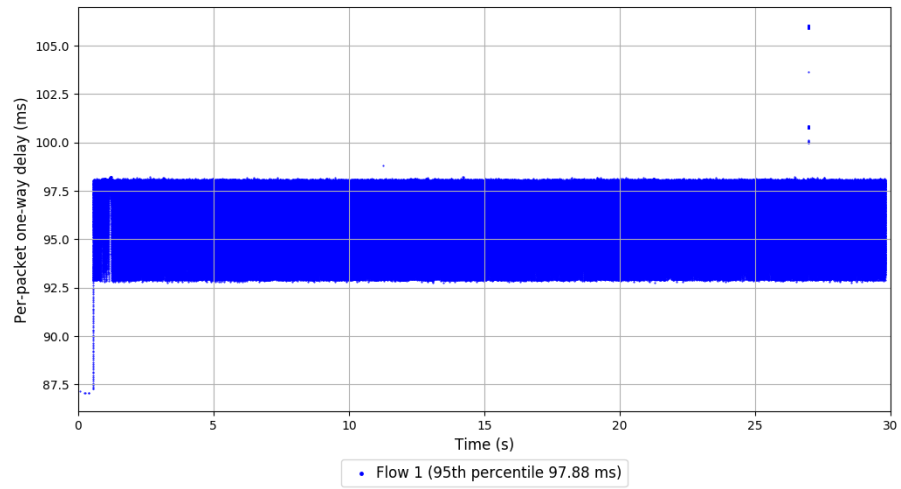
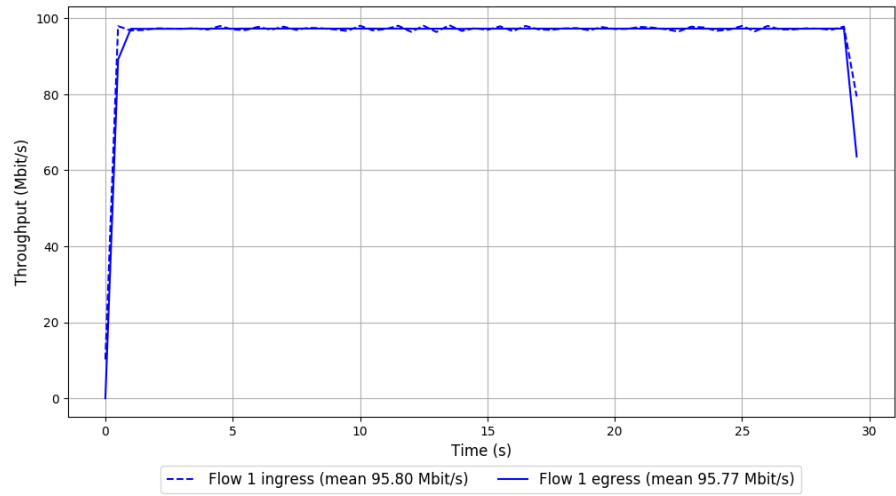


Run 7: Statistics of FillP

Start at: 2018-01-16 12:28:54
End at: 2018-01-16 12:29:24
Local clock offset: 0.415 ms
Remote clock offset: -5.558 ms

Below is generated by plot.py at 2018-01-16 17:38:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 97.882 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 97.882 ms
Loss rate: 0.60%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-16 12:51:04

End at: 2018-01-16 12:51:34

Local clock offset: 0.567 ms

Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-01-16 17:38:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 93.057 ms

Loss rate: 0.60%

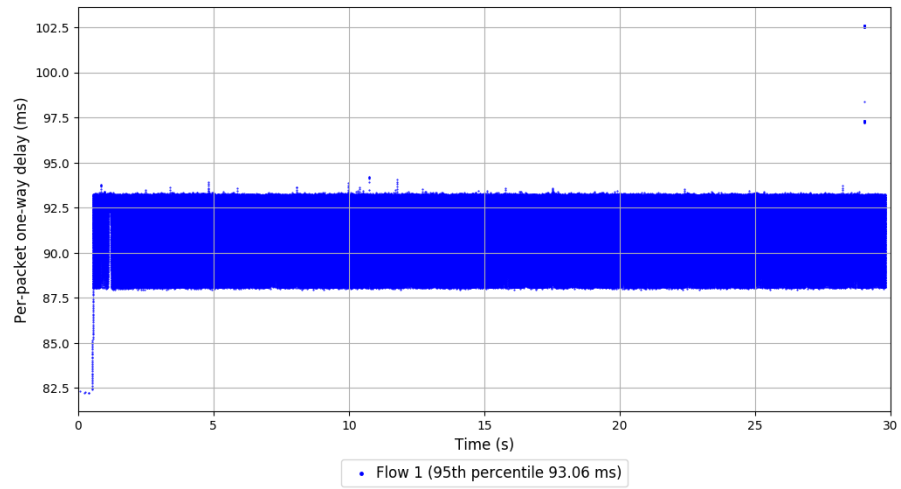
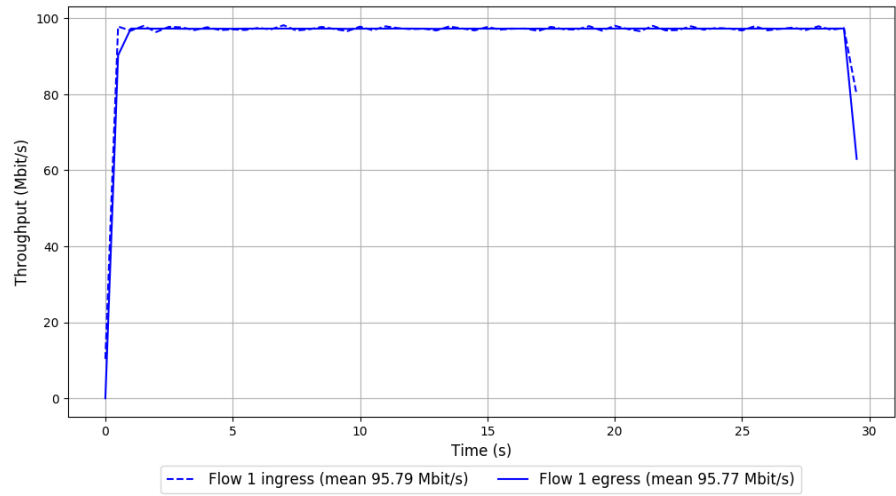
-- Flow 1:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 93.057 ms

Loss rate: 0.60%

Run 8: Report of FillP — Data Link

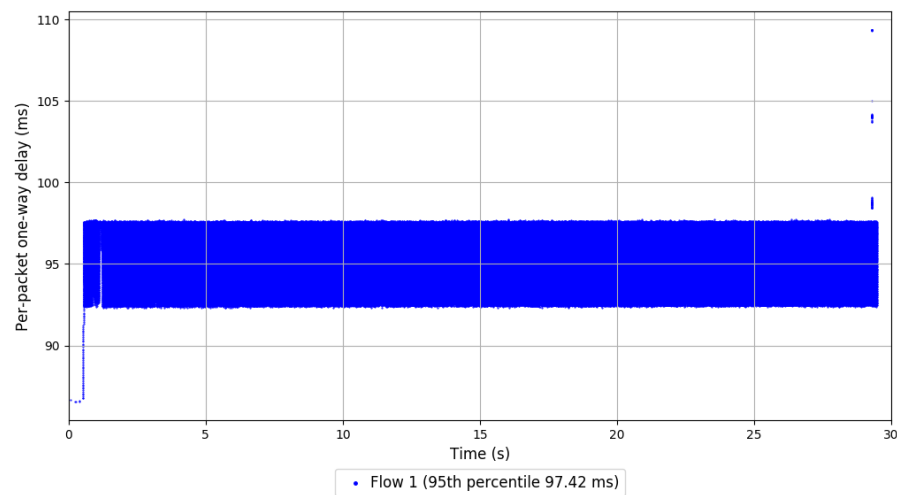
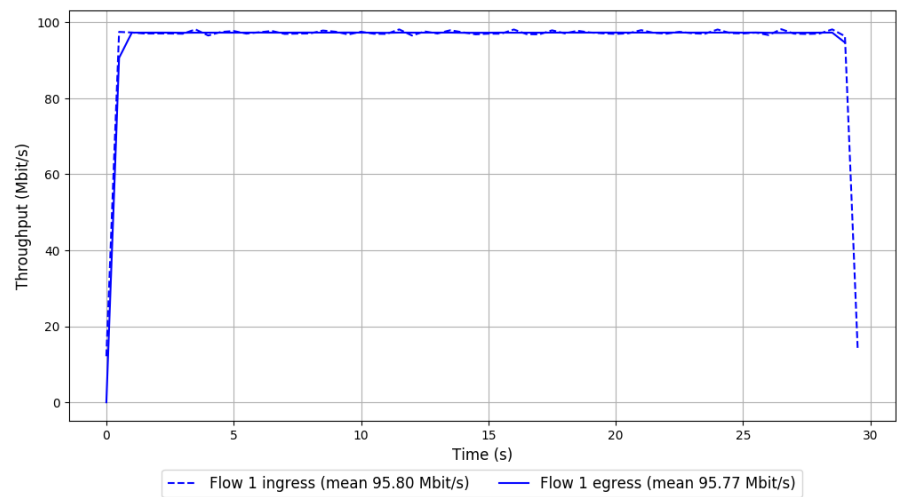


Run 9: Statistics of FillP

Start at: 2018-01-16 13:13:13
End at: 2018-01-16 13:13:43
Local clock offset: 0.345 ms
Remote clock offset: -4.372 ms

Below is generated by plot.py at 2018-01-16 17:38:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 97.417 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 97.417 ms
Loss rate: 0.61%

Run 9: Report of FillP — Data Link

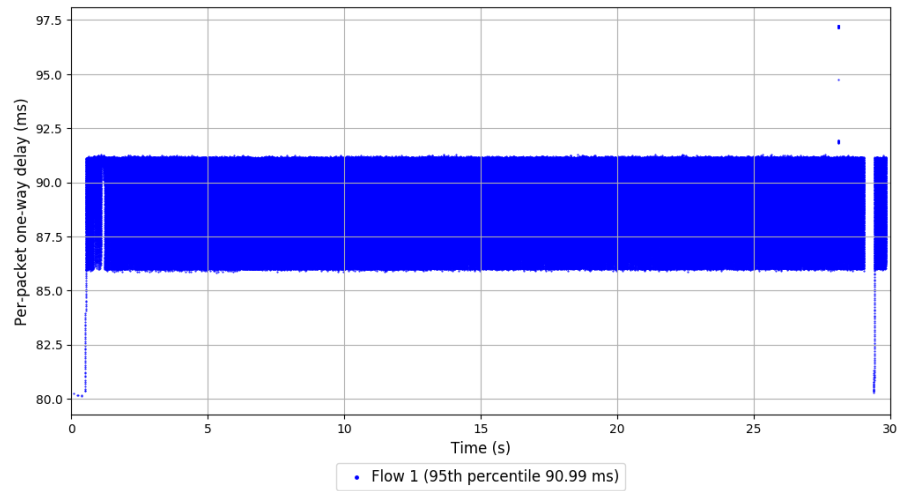
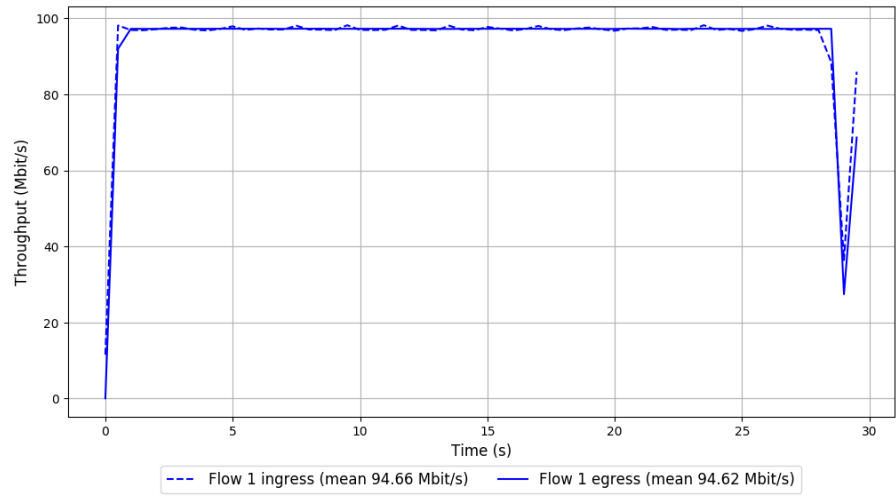


Run 10: Statistics of FillP

Start at: 2018-01-16 13:35:21
End at: 2018-01-16 13:35:51
Local clock offset: -0.095 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-01-16 17:38:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 90.987 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 90.987 ms
Loss rate: 0.61%

Run 10: Report of FillP — Data Link

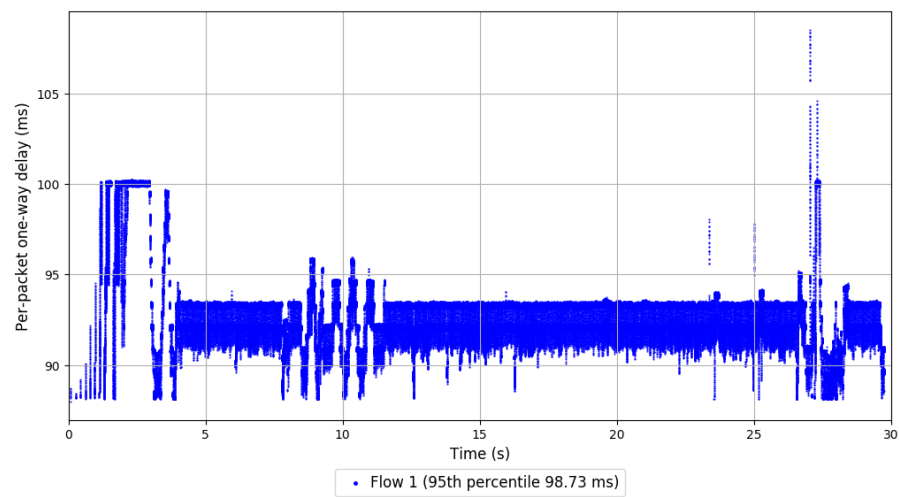
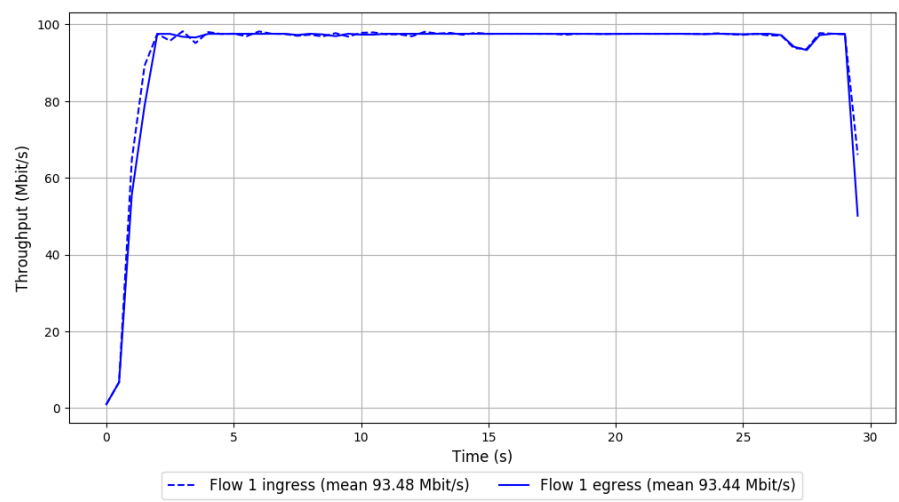


Run 1: Statistics of Indigo

Start at: 2018-01-16 10:18:20
End at: 2018-01-16 10:18:50
Local clock offset: -0.011 ms
Remote clock offset: -6.218 ms

Below is generated by plot.py at 2018-01-16 17:38:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 98.726 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 98.726 ms
Loss rate: 0.60%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-01-16 10:40:31

End at: 2018-01-16 10:41:01

Local clock offset: -0.382 ms

Remote clock offset: 1.153 ms

Below is generated by plot.py at 2018-01-16 17:38:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 87.278 ms

Loss rate: 0.59%

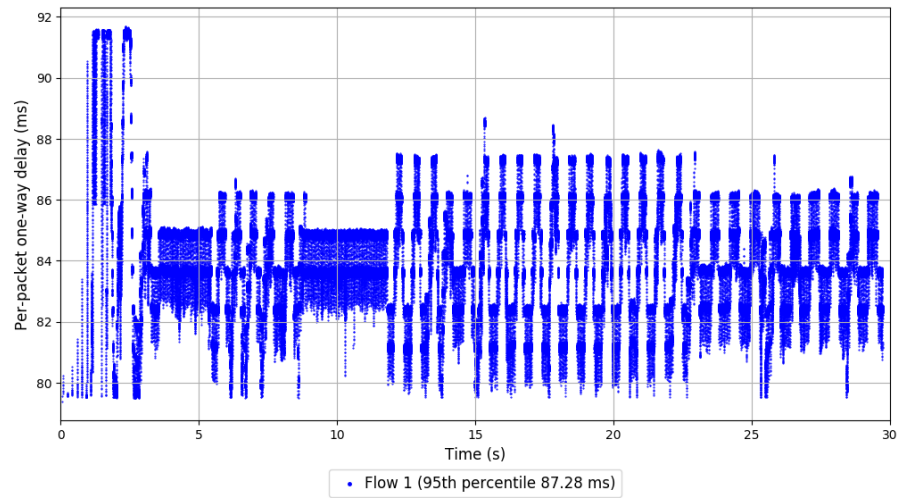
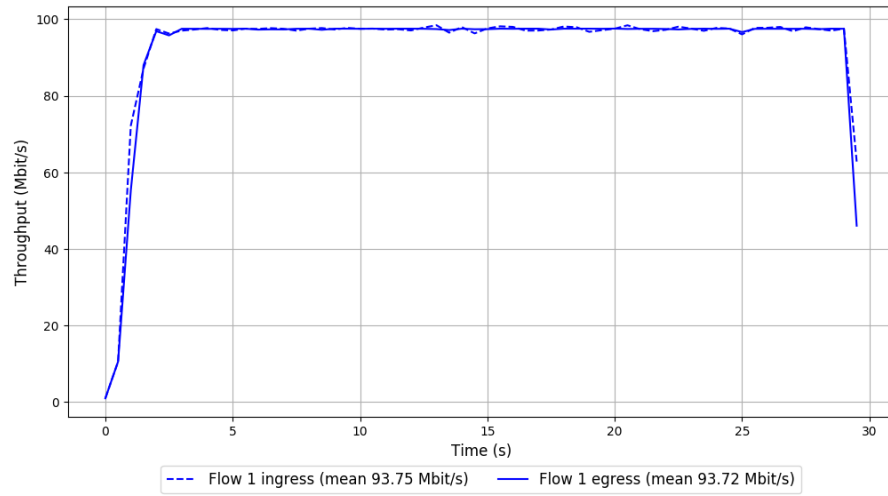
-- Flow 1:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 87.278 ms

Loss rate: 0.59%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-16 11:02:42

End at: 2018-01-16 11:03:12

Local clock offset: -0.23 ms

Remote clock offset: 1.081 ms

Below is generated by plot.py at 2018-01-16 17:38:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 89.692 ms

Loss rate: 0.58%

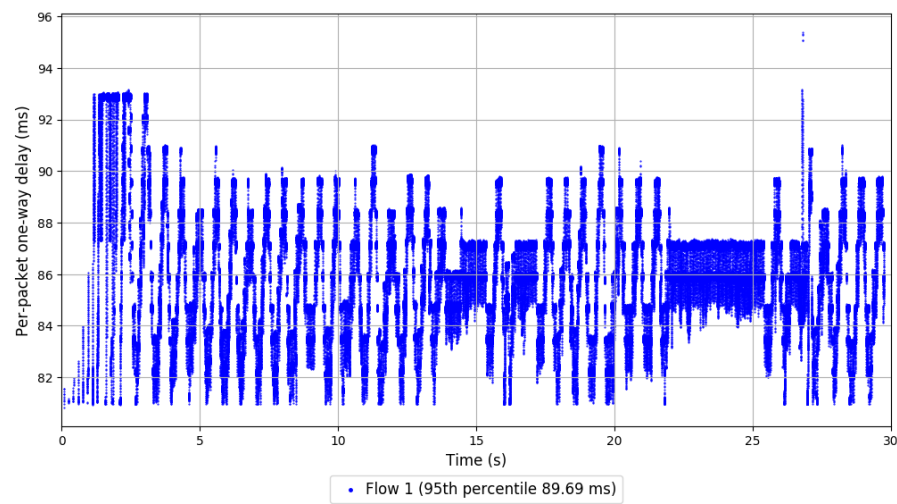
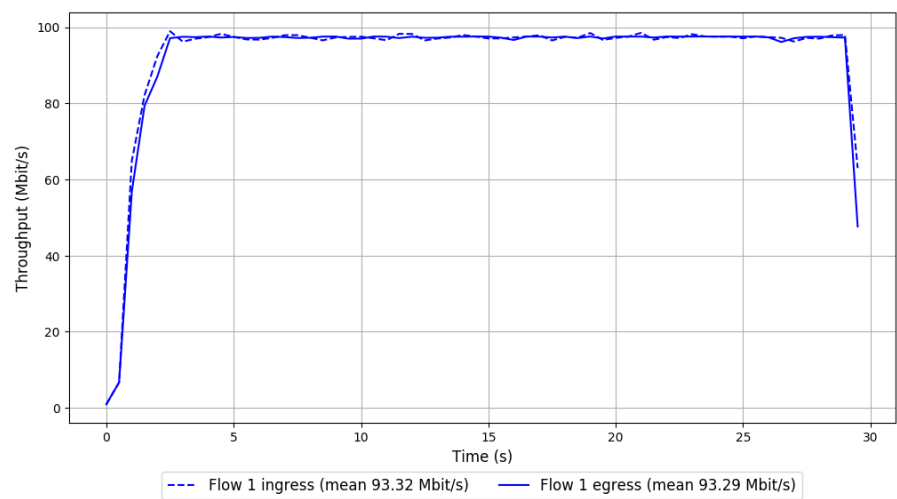
-- Flow 1:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 89.692 ms

Loss rate: 0.58%

Run 3: Report of Indigo — Data Link

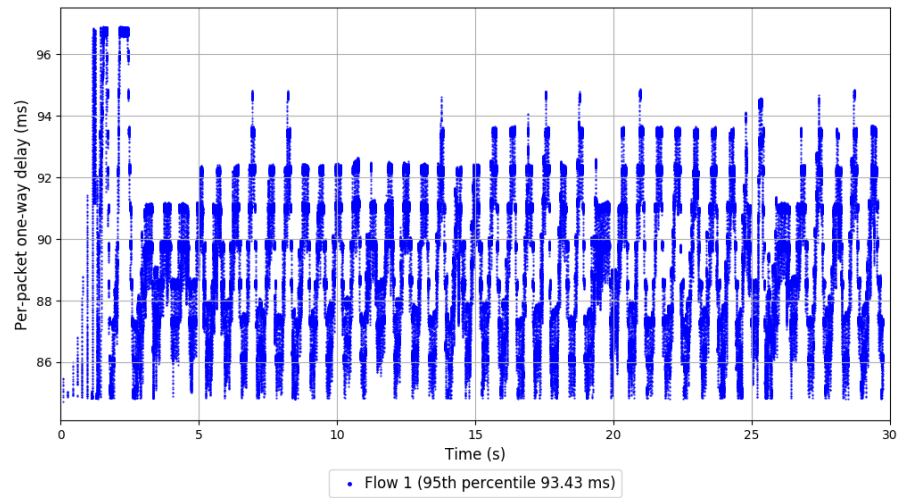
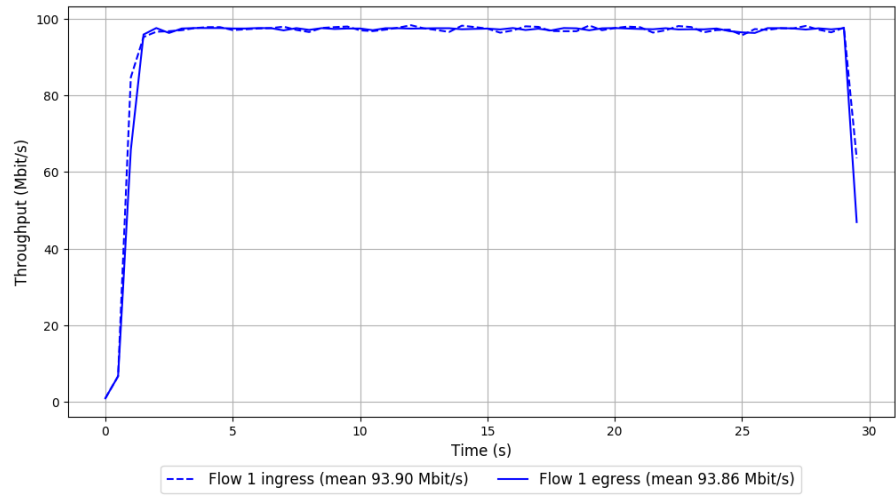


Run 4: Statistics of Indigo

Start at: 2018-01-16 11:24:54
End at: 2018-01-16 11:25:24
Local clock offset: -0.107 ms
Remote clock offset: -3.809 ms

Below is generated by plot.py at 2018-01-16 17:38:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 93.428 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 93.428 ms
Loss rate: 0.60%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-16 11:47:04

End at: 2018-01-16 11:47:34

Local clock offset: 0.087 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-01-16 17:39:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 88.742 ms

Loss rate: 0.60%

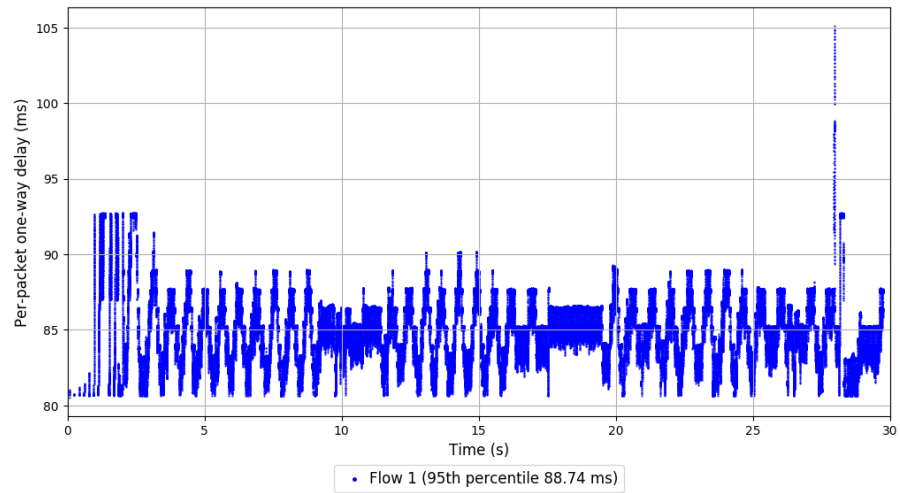
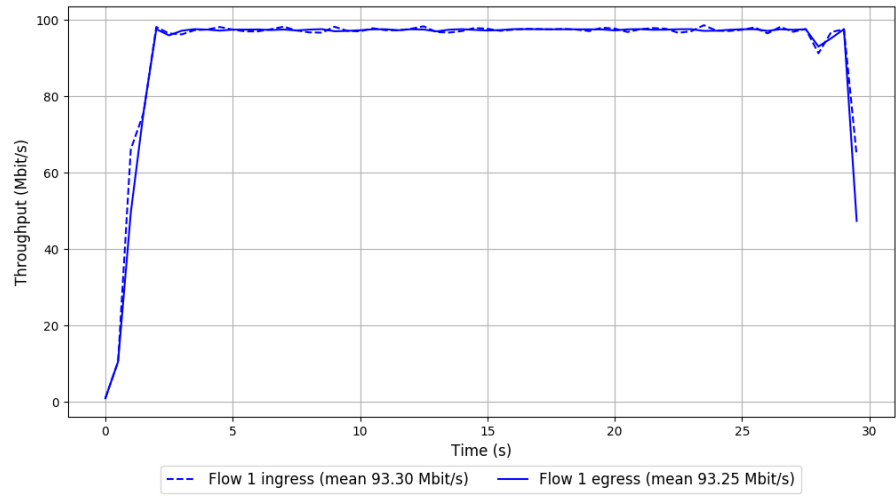
-- Flow 1:

Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 88.742 ms

Loss rate: 0.60%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-01-16 12:09:15

End at: 2018-01-16 12:09:45

Local clock offset: 0.258 ms

Remote clock offset: 0.415 ms

Below is generated by plot.py at 2018-01-16 17:39:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 89.390 ms

Loss rate: 0.59%

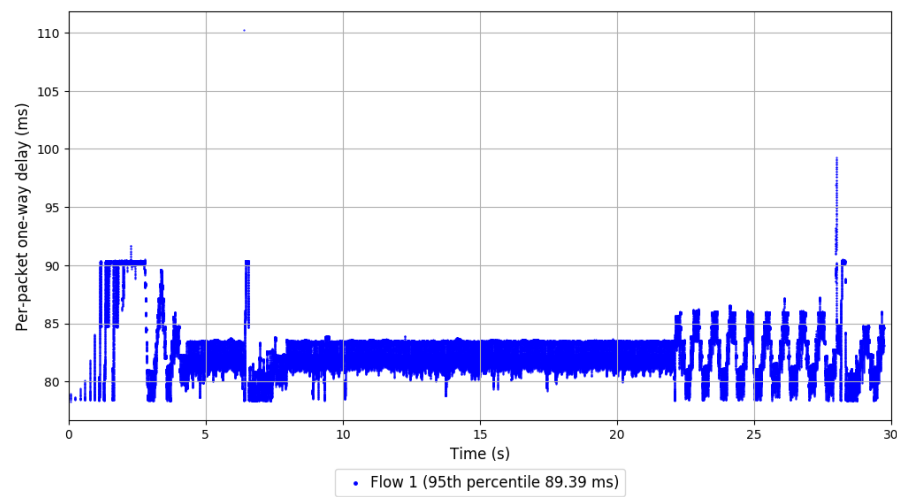
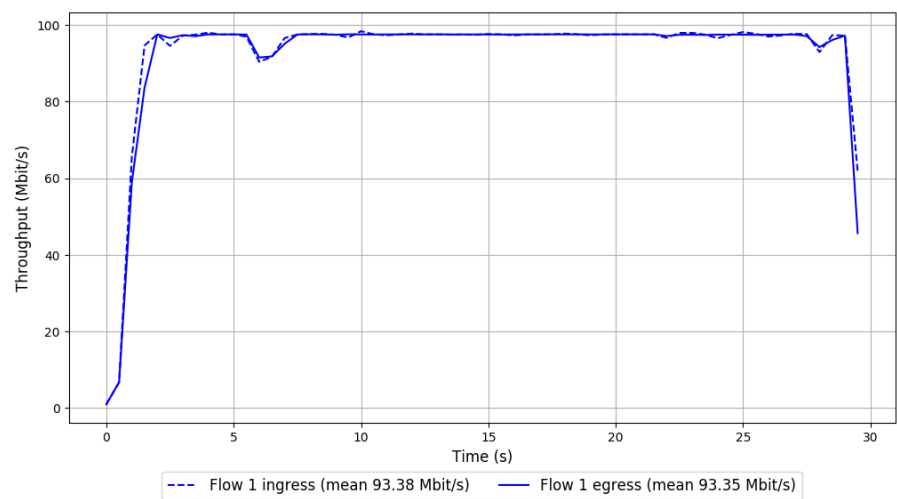
-- Flow 1:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 89.390 ms

Loss rate: 0.59%

Run 6: Report of Indigo — Data Link

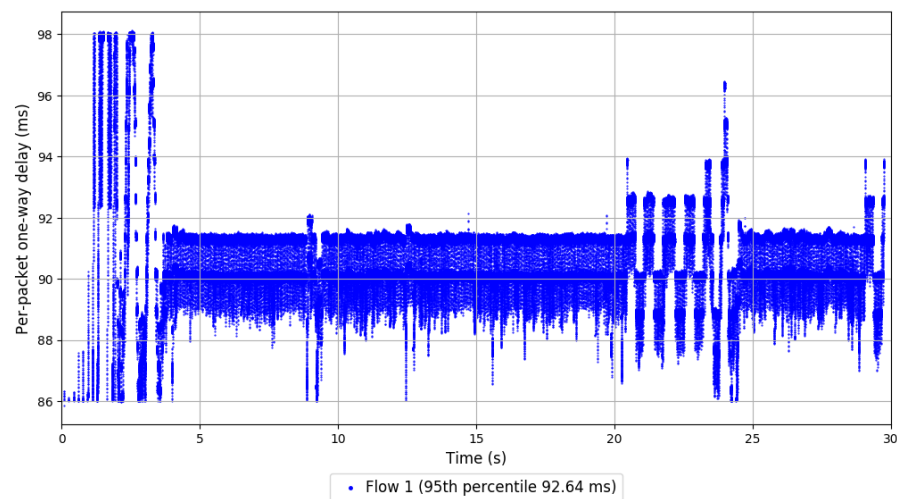
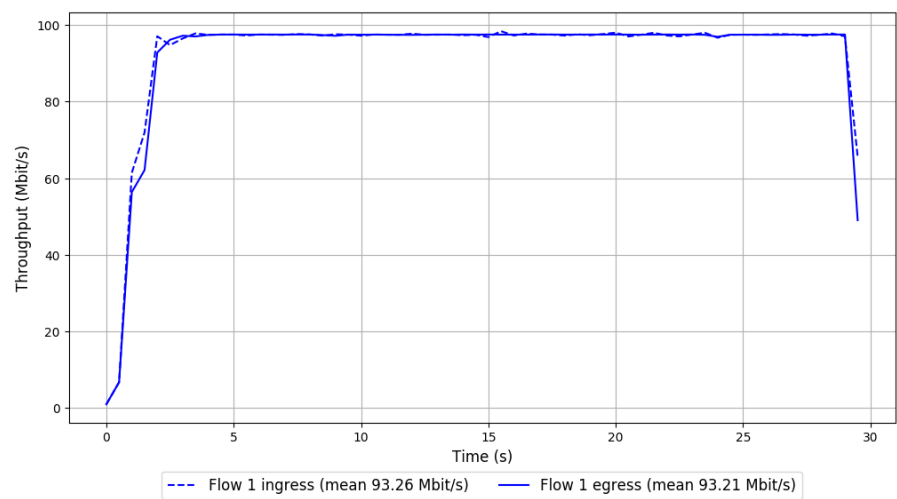


Run 7: Statistics of Indigo

Start at: 2018-01-16 12:31:24
End at: 2018-01-16 12:31:54
Local clock offset: 0.45 ms
Remote clock offset: -5.585 ms

Below is generated by plot.py at 2018-01-16 17:39:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 92.645 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 92.645 ms
Loss rate: 0.61%

Run 7: Report of Indigo — Data Link

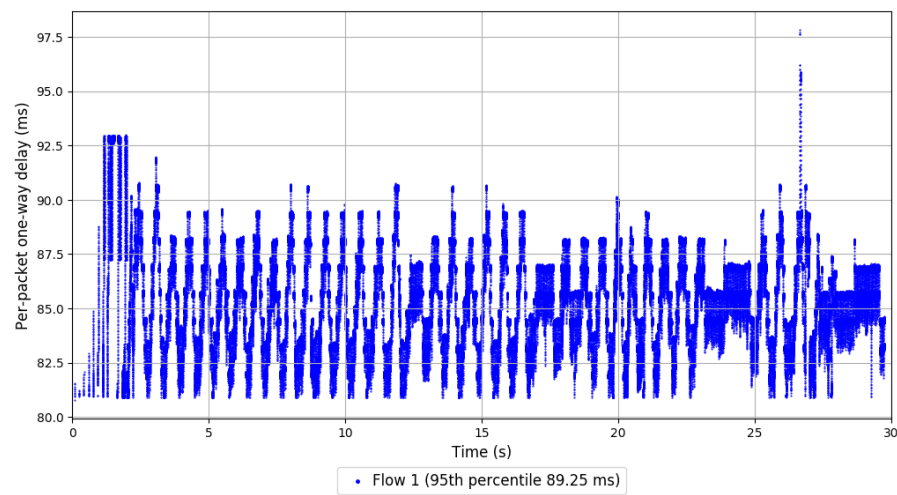
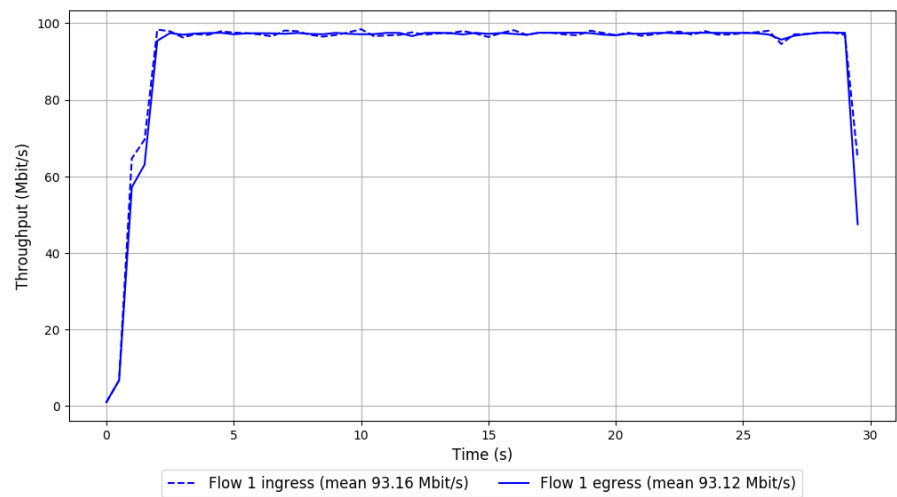


Run 8: Statistics of Indigo

Start at: 2018-01-16 12:53:35
End at: 2018-01-16 12:54:05
Local clock offset: 0.67 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-01-16 17:39:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 89.248 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 89.248 ms
Loss rate: 0.60%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-01-16 13:15:43

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

Local clock offset: 0.3 ms

Remote clock offset: -4.362 ms

Below is generated by plot.py at 2018-01-16 17:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.30 Mbit/s

95th percentile per-packet one-way delay: 94.162 ms

Loss rate: 0.61%

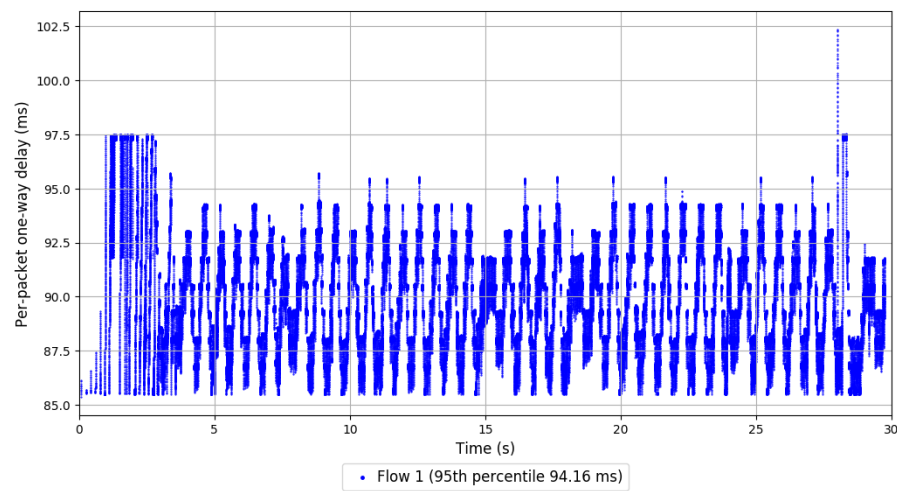
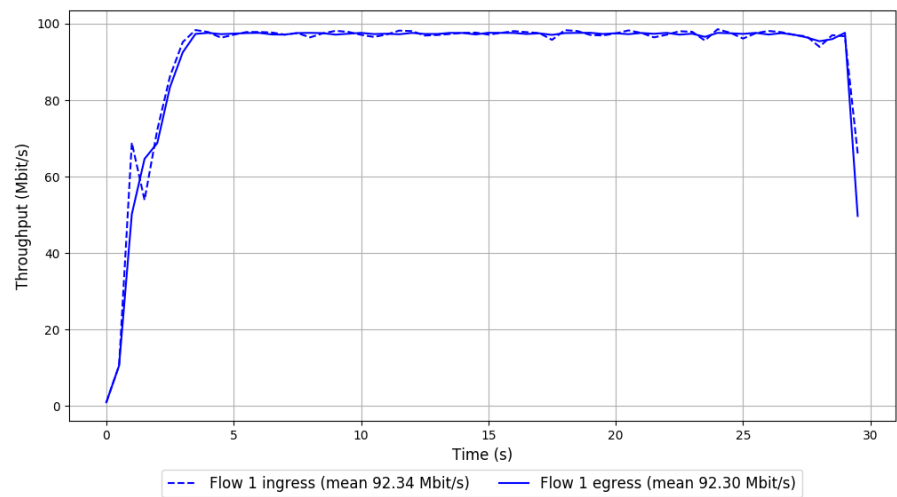
-- Flow 1:

Average throughput: 92.30 Mbit/s

95th percentile per-packet one-way delay: 94.162 ms

Loss rate: 0.61%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

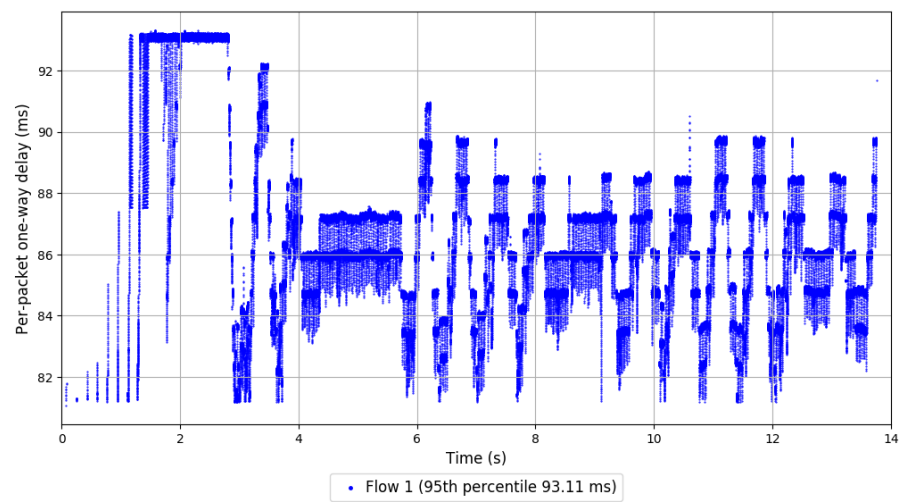
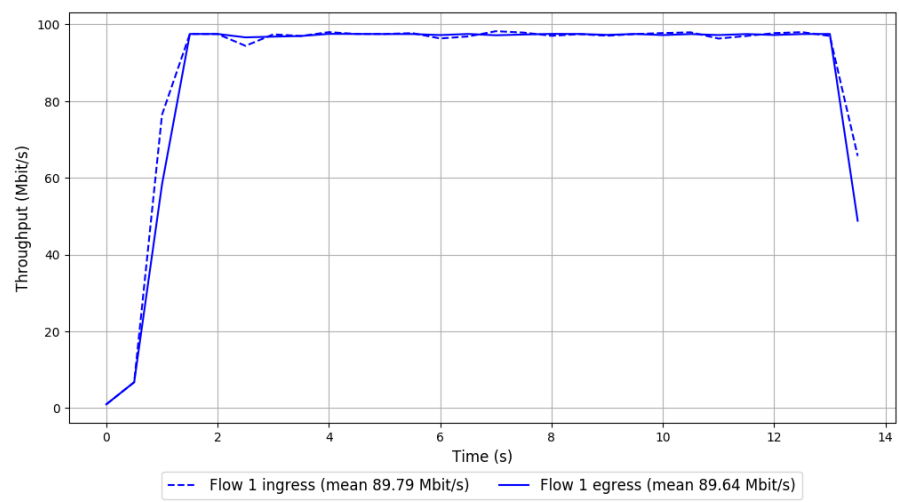
Start at: 2018-01-16 13:37:51

End at: 2018-01-16 13:38:21

Local clock offset: -0.04 ms

Remote clock offset: 0.804 ms

Run 10: Report of Indigo — Data Link

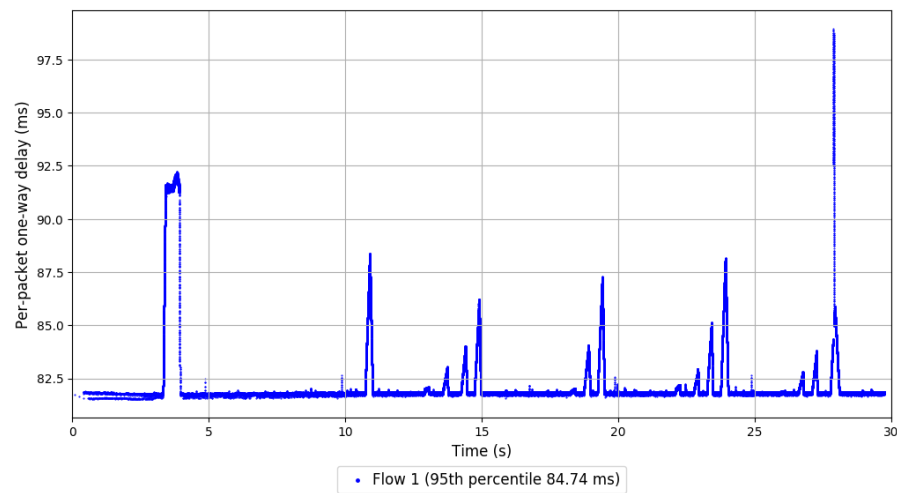
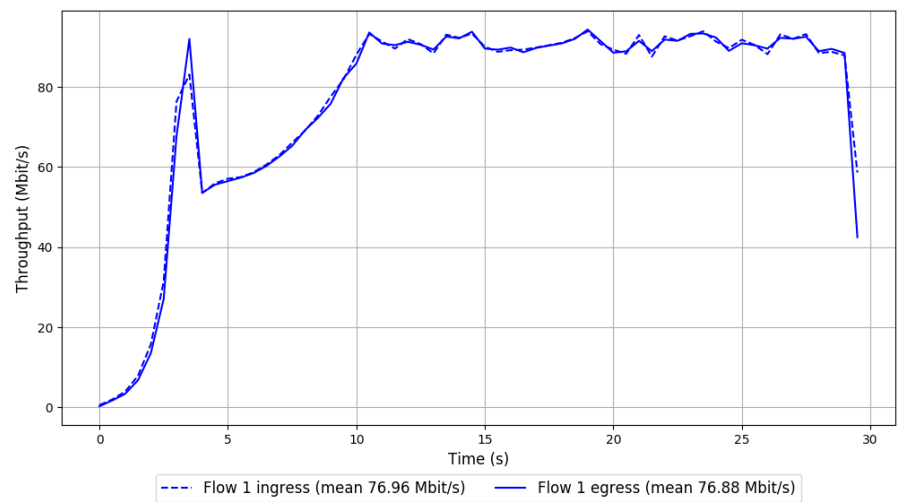


Run 1: Statistics of Vivace-latency

Start at: 2018-01-16 10:19:36
End at: 2018-01-16 10:20:06
Local clock offset: -0.045 ms
Remote clock offset: -1.022 ms

Below is generated by plot.py at 2018-01-16 17:40:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.88 Mbit/s
95th percentile per-packet one-way delay: 84.743 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 76.88 Mbit/s
95th percentile per-packet one-way delay: 84.743 ms
Loss rate: 0.65%

Run 1: Report of Vivace-latency — Data Link

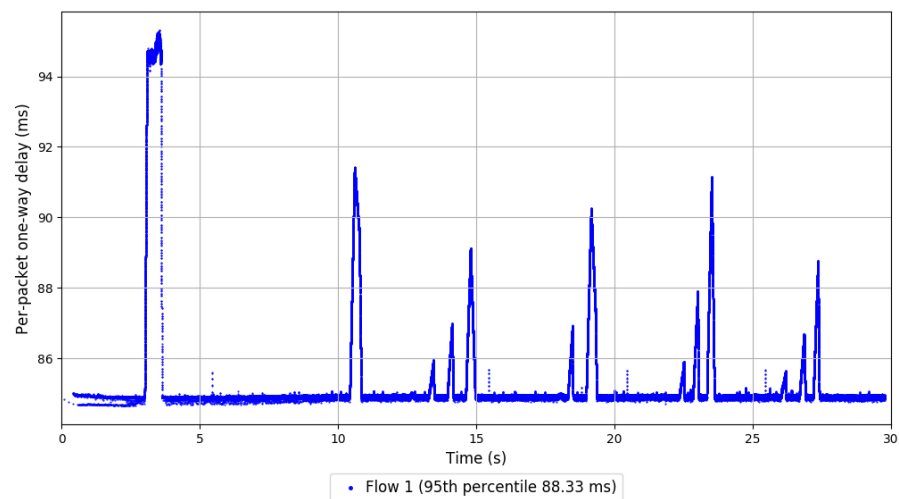
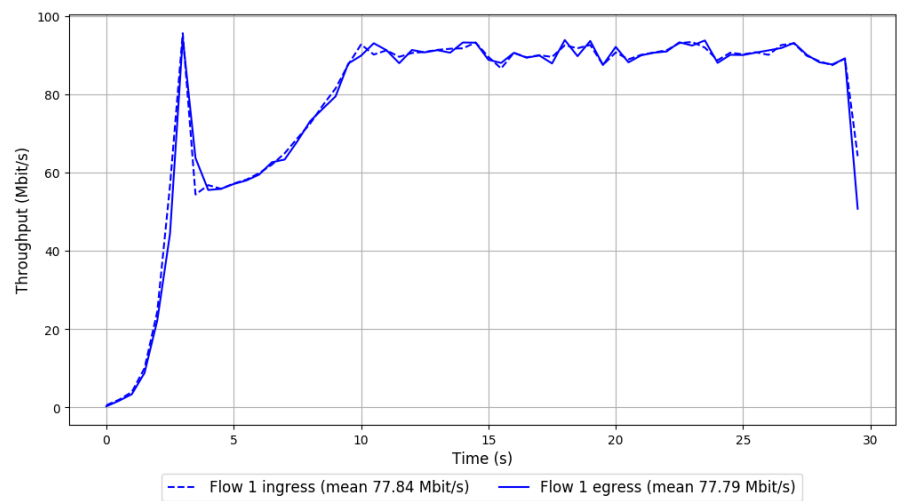


Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 10:41:47
End at: 2018-01-16 10:42:17
Local clock offset: -0.363 ms
Remote clock offset: -5.661 ms

Below is generated by plot.py at 2018-01-16 17:40:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 88.331 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 88.331 ms
Loss rate: 0.62%

Run 2: Report of Vivace-latency — Data Link

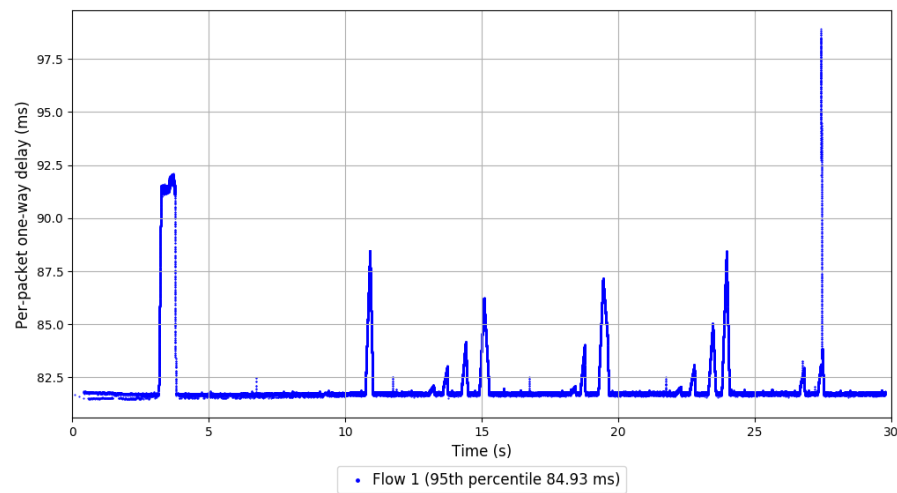
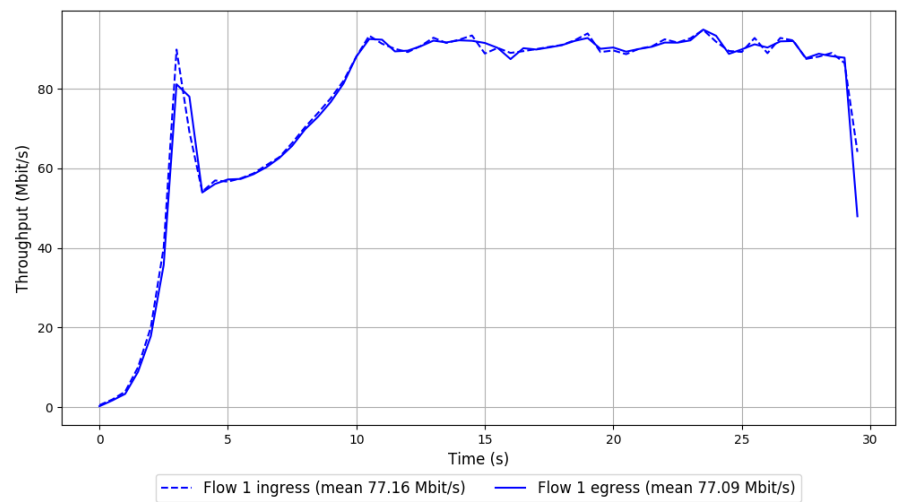


Run 3: Statistics of Vivace-latency

Start at: 2018-01-16 11:03:58
End at: 2018-01-16 11:04:28
Local clock offset: -0.202 ms
Remote clock offset: -1.001 ms

Below is generated by plot.py at 2018-01-16 17:41:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 84.926 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 84.926 ms
Loss rate: 0.65%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-16 11:26:10

End at: 2018-01-16 11:26:40

Local clock offset: -0.107 ms

Remote clock offset: -2.8 ms

Below is generated by plot.py at 2018-01-16 17:41:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.85 Mbit/s

95th percentile per-packet one-way delay: 89.514 ms

Loss rate: 0.62%

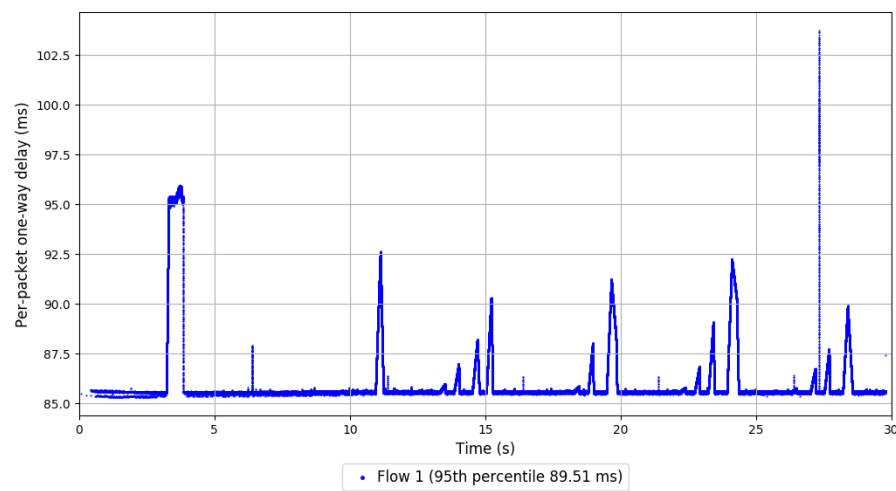
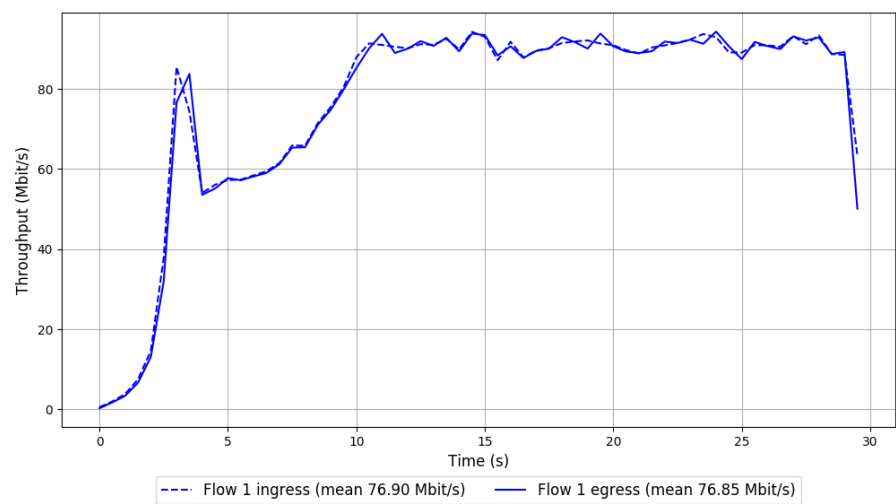
-- Flow 1:

Average throughput: 76.85 Mbit/s

95th percentile per-packet one-way delay: 89.514 ms

Loss rate: 0.62%

Run 4: Report of Vivace-latency — Data Link

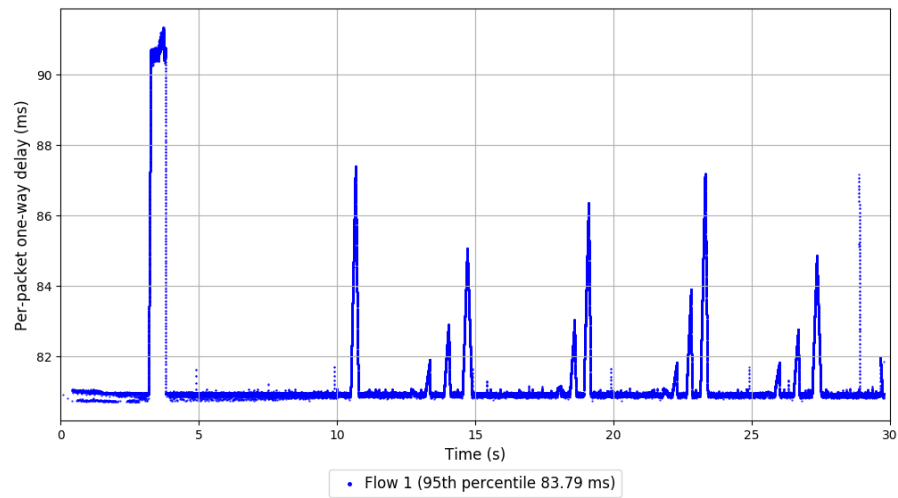
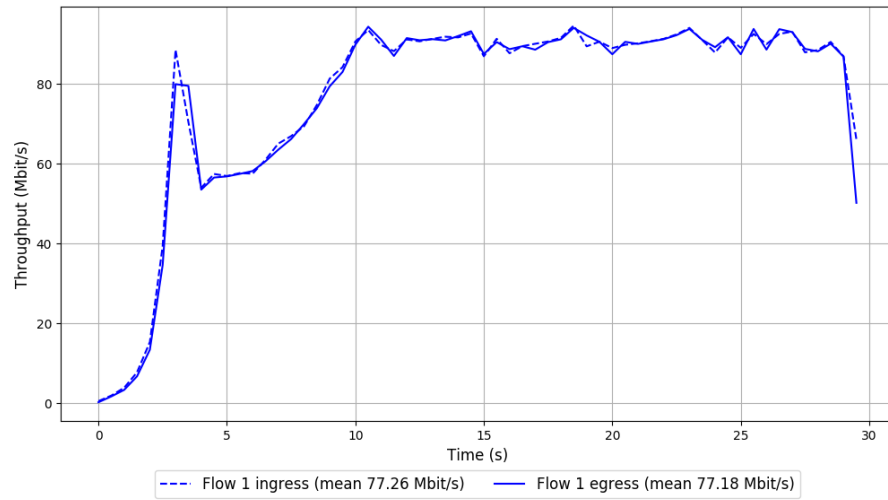


Run 5: Statistics of Vivace-latency

Start at: 2018-01-16 11:48:19
End at: 2018-01-16 11:48:49
Local clock offset: 0.106 ms
Remote clock offset: -0.743 ms

Below is generated by plot.py at 2018-01-16 17:42:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 83.788 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 83.788 ms
Loss rate: 0.66%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-16 12:10:31

End at: 2018-01-16 12:11:01

Local clock offset: 0.259 ms

Remote clock offset: 0.46 ms

Below is generated by plot.py at 2018-01-16 17:42:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.79 Mbit/s

95th percentile per-packet one-way delay: 89.151 ms

Loss rate: 0.66%

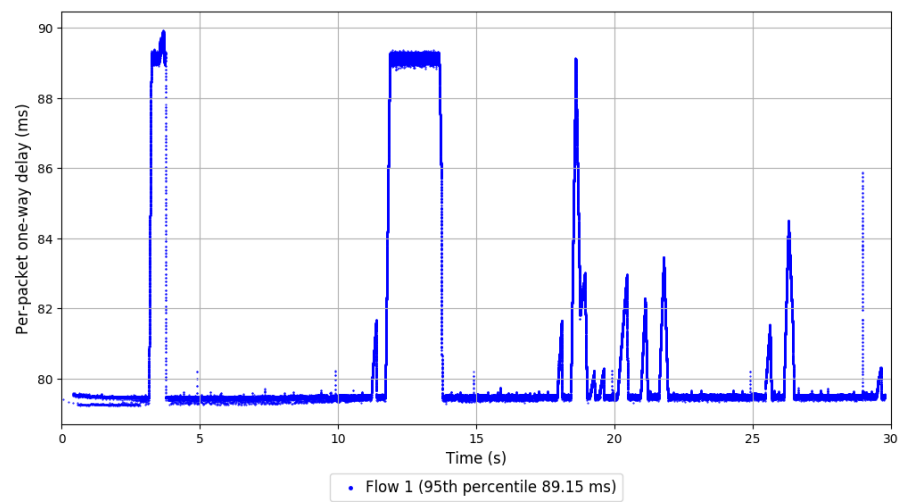
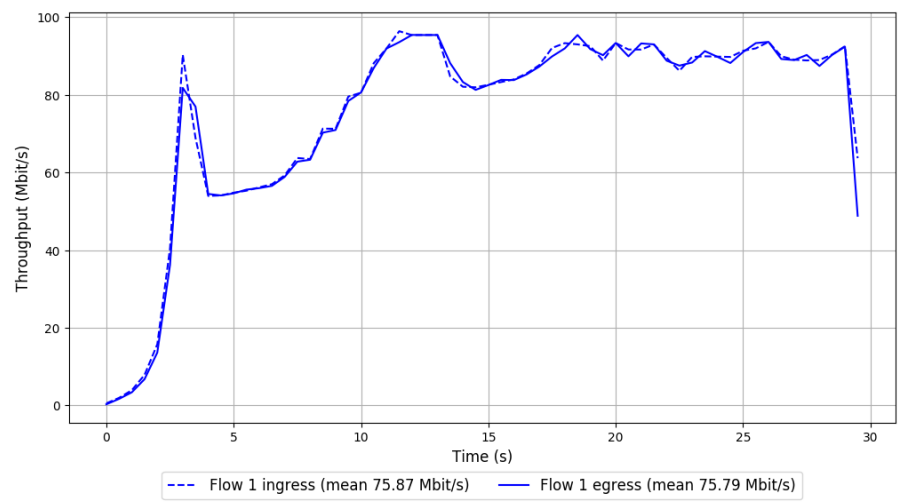
-- Flow 1:

Average throughput: 75.79 Mbit/s

95th percentile per-packet one-way delay: 89.151 ms

Loss rate: 0.66%

Run 6: Report of Vivace-latency — Data Link

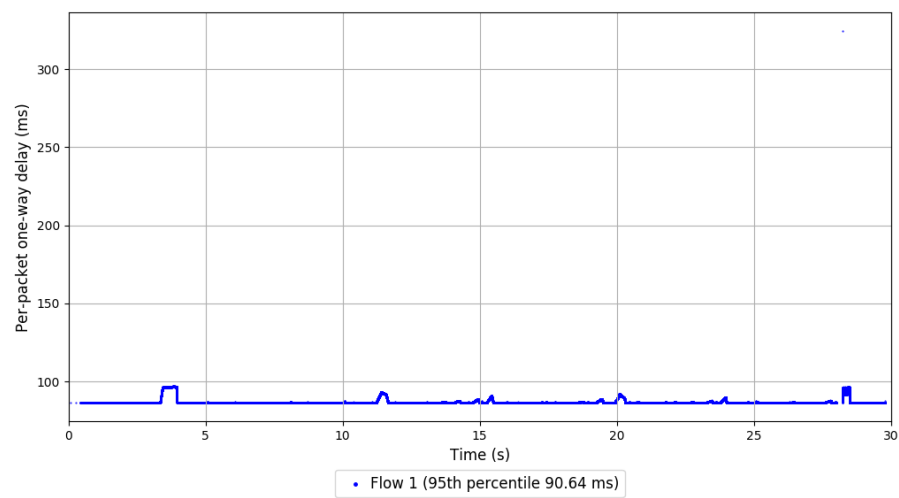
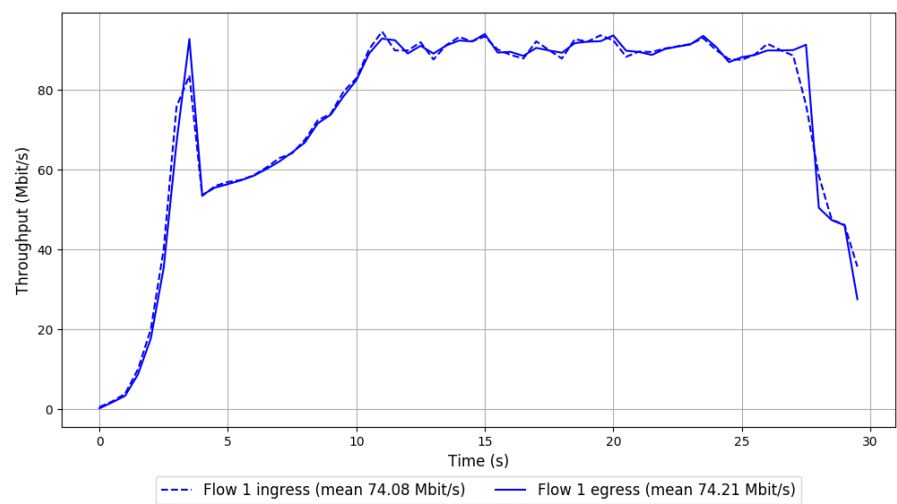


Run 7: Statistics of Vivace-latency

Start at: 2018-01-16 12:32:40
End at: 2018-01-16 12:33:10
Local clock offset: 0.477 ms
Remote clock offset: -5.504 ms

Below is generated by plot.py at 2018-01-16 17:42:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 90.639 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 90.639 ms
Loss rate: 0.37%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-16 12:54:50

End at: 2018-01-16 12:55:20

Local clock offset: 0.67 ms

Remote clock offset: 0.532 ms

Below is generated by plot.py at 2018-01-16 17:42:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.53 Mbit/s

95th percentile per-packet one-way delay: 82.773 ms

Loss rate: 0.66%

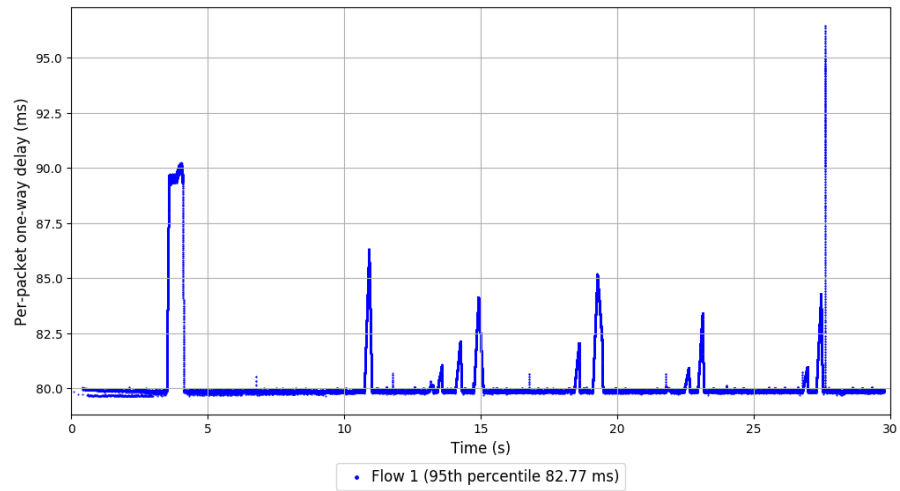
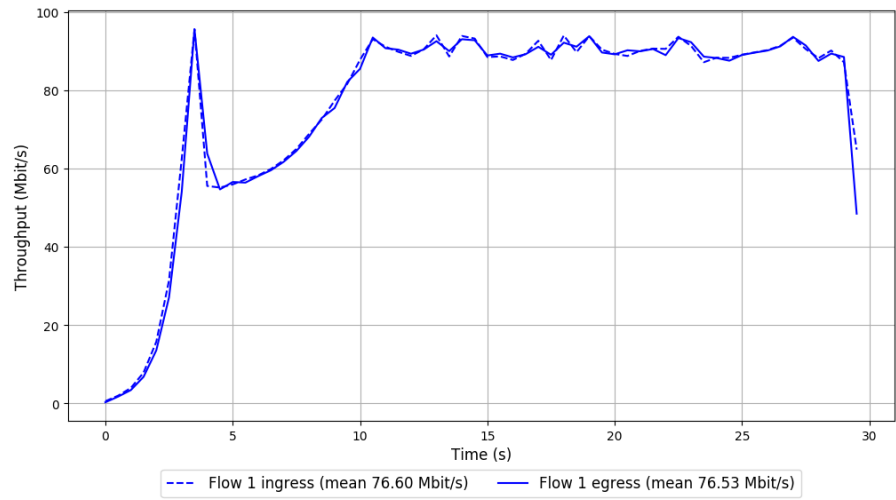
-- Flow 1:

Average throughput: 76.53 Mbit/s

95th percentile per-packet one-way delay: 82.773 ms

Loss rate: 0.66%

Run 8: Report of Vivace-latency — Data Link

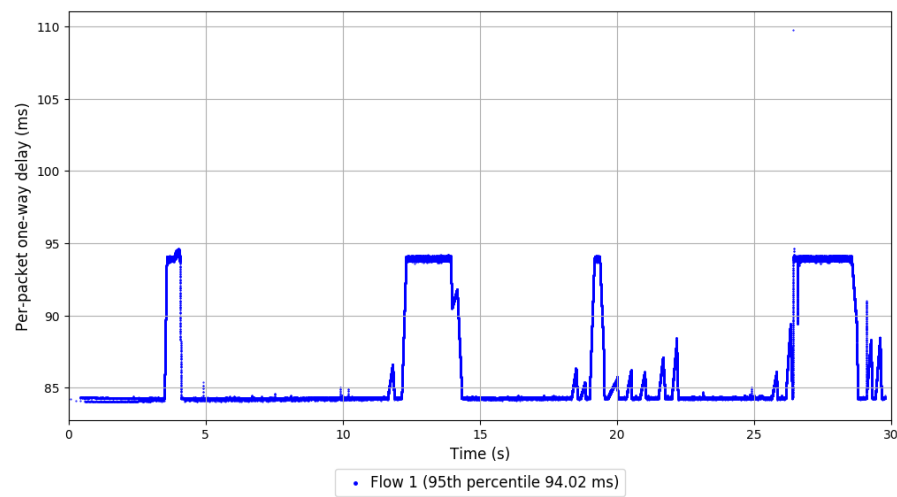
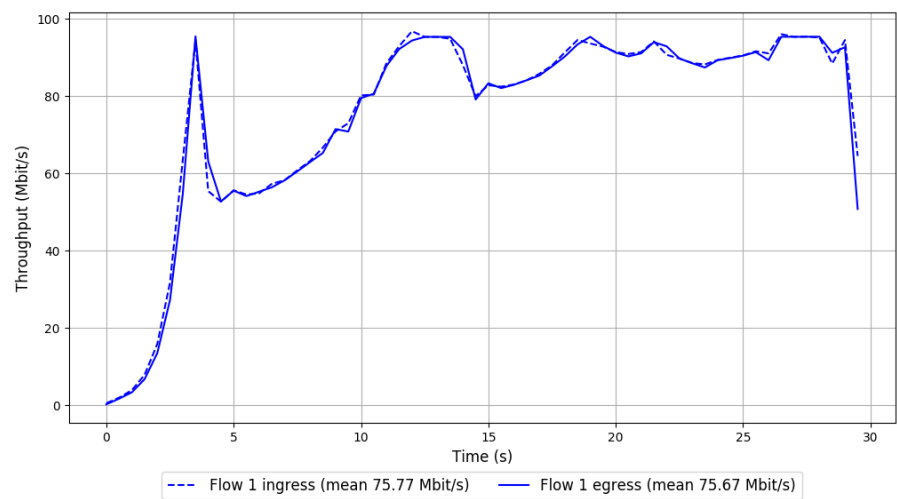


Run 9: Statistics of Vivace-latency

Start at: 2018-01-16 13:16:59
End at: 2018-01-16 13:17:29
Local clock offset: 0.275 ms
Remote clock offset: -4.239 ms

Below is generated by plot.py at 2018-01-16 17:42:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 94.024 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 94.024 ms
Loss rate: 0.68%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-01-16 13:39:04

End at: 2018-01-16 13:39:34

Local clock offset: -0.004 ms

Remote clock offset: 0.803 ms

Below is generated by plot.py at 2018-01-16 17:42:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.67 Mbit/s

95th percentile per-packet one-way delay: 91.992 ms

Loss rate: 0.73%

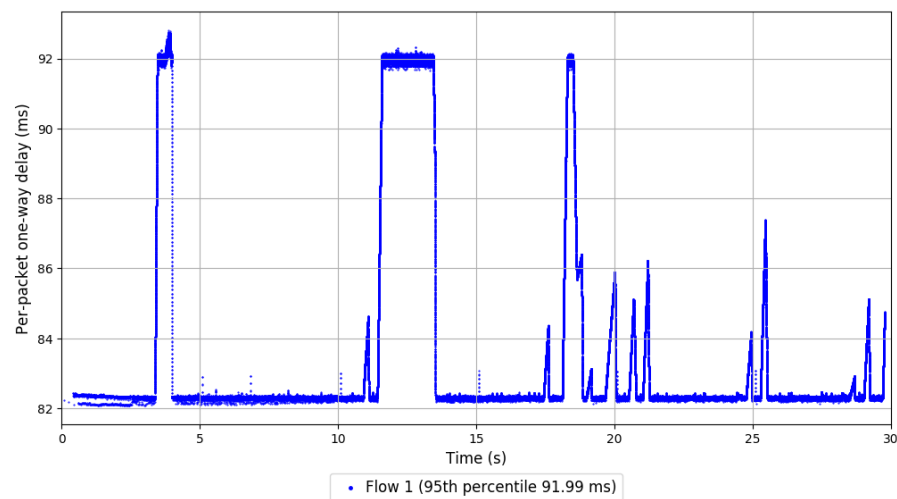
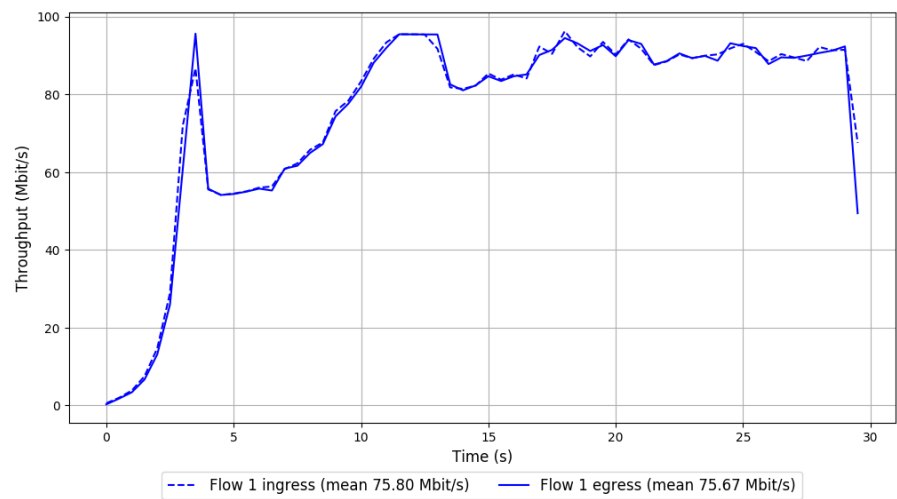
-- Flow 1:

Average throughput: 75.67 Mbit/s

95th percentile per-packet one-way delay: 91.992 ms

Loss rate: 0.73%

Run 10: Report of Vivace-latency — Data Link

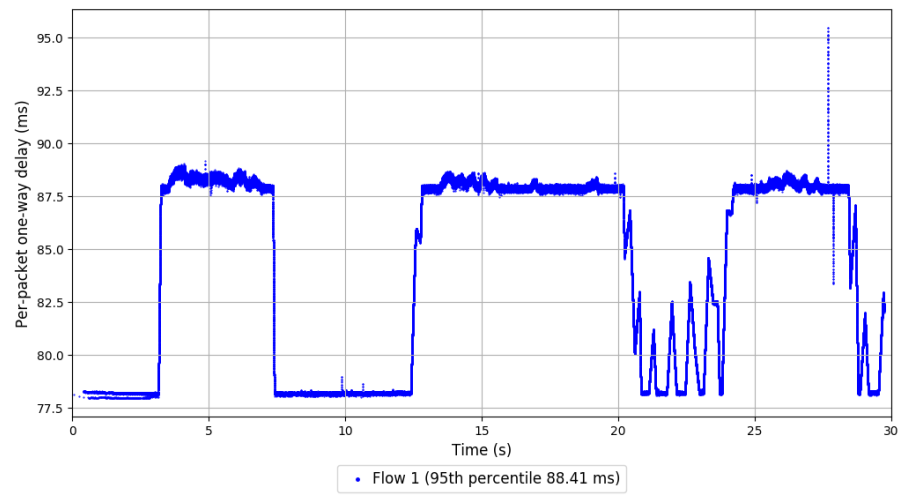
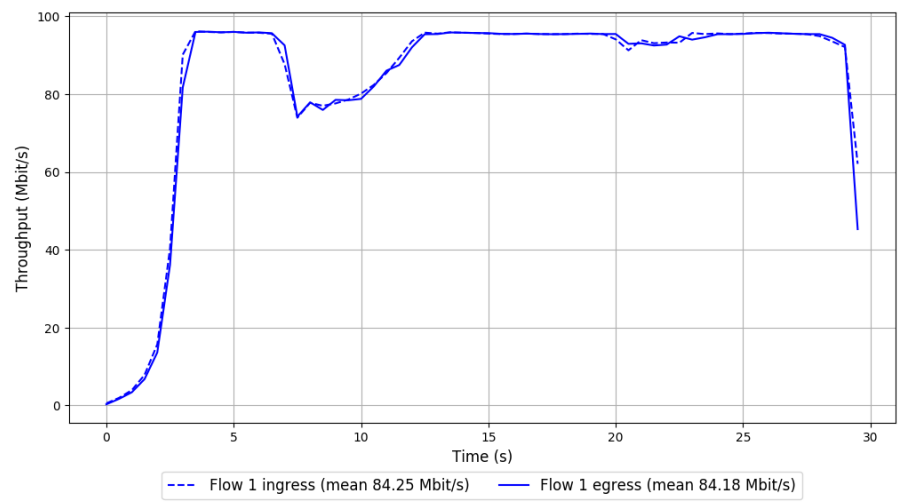


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 10:20:53
End at: 2018-01-16 10:21:23
Local clock offset: -0.073 ms
Remote clock offset: 0.694 ms

# Below is generated by plot.py at 2018-01-16 17:43:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 88.407 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 88.407 ms
Loss rate: 0.63%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 10:43:04

End at: 2018-01-16 10:43:34

Local clock offset: -0.378 ms

Remote clock offset: -5.34 ms

Below is generated by plot.py at 2018-01-16 17:44:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 96.058 ms

Loss rate: 0.55%

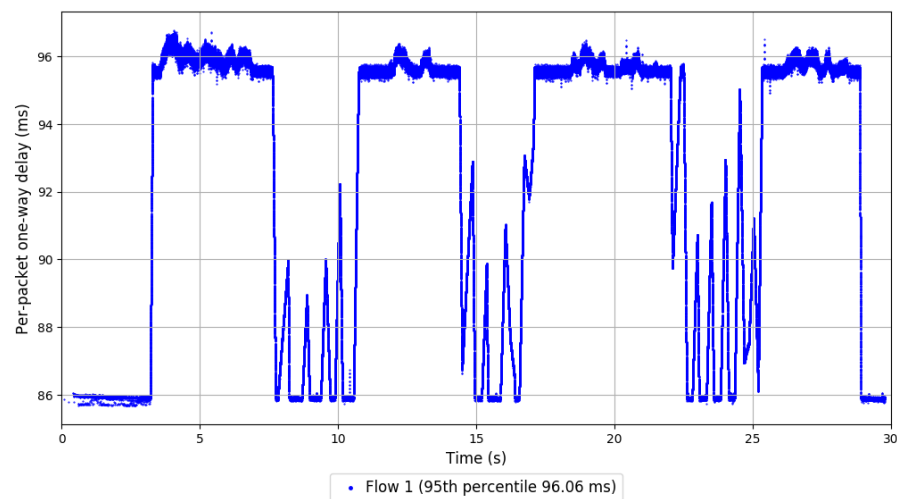
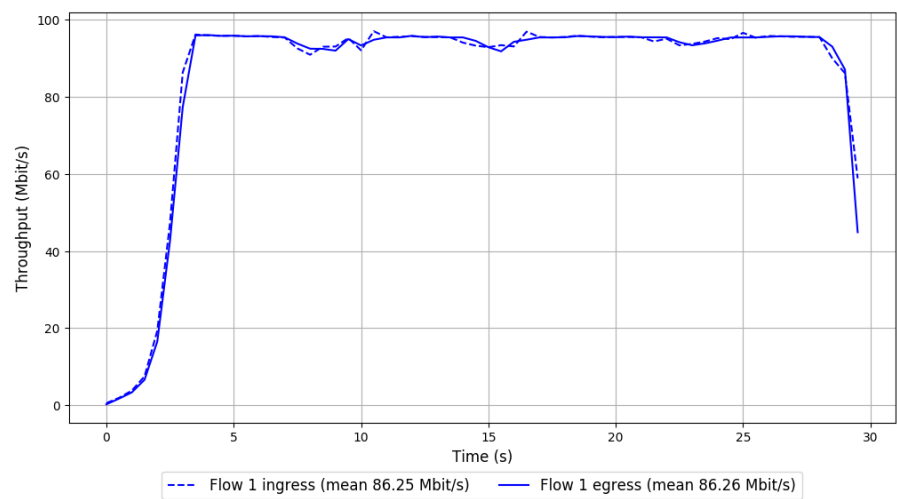
-- Flow 1:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 96.058 ms

Loss rate: 0.55%

Run 2: Report of Vivace-loss — Data Link

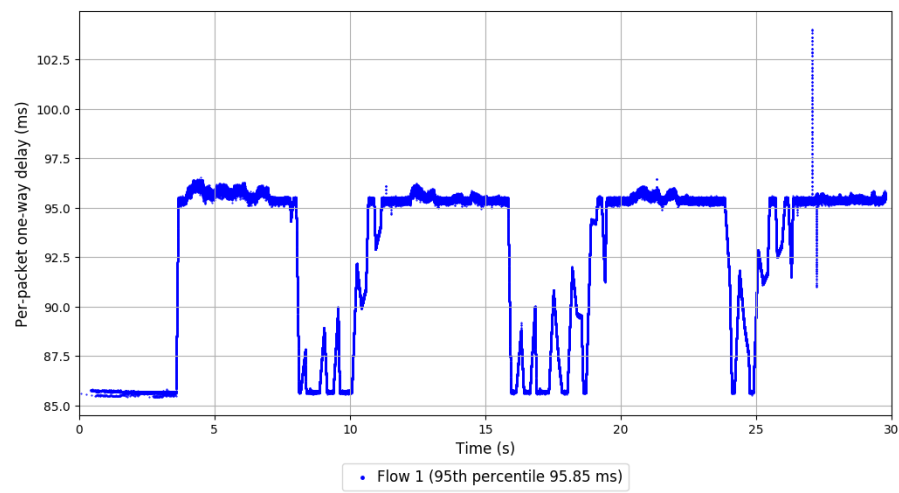
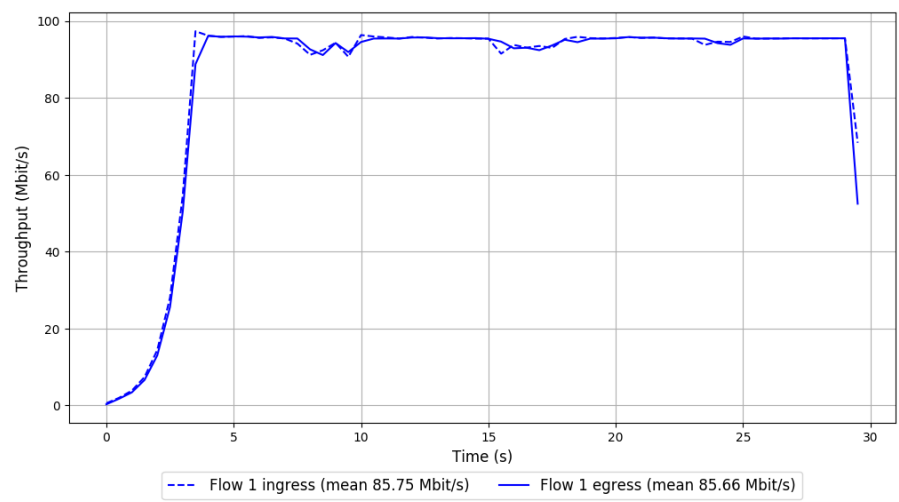


Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 11:05:15
End at: 2018-01-16 11:05:45
Local clock offset: -0.209 ms
Remote clock offset: -3.222 ms

Below is generated by plot.py at 2018-01-16 17:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 95.850 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 95.850 ms
Loss rate: 0.67%

Run 3: Report of Vivace-loss — Data Link

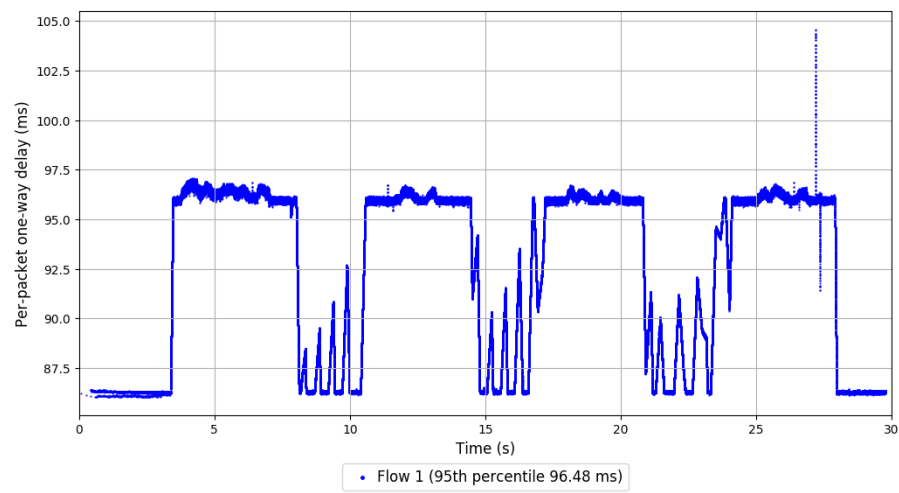
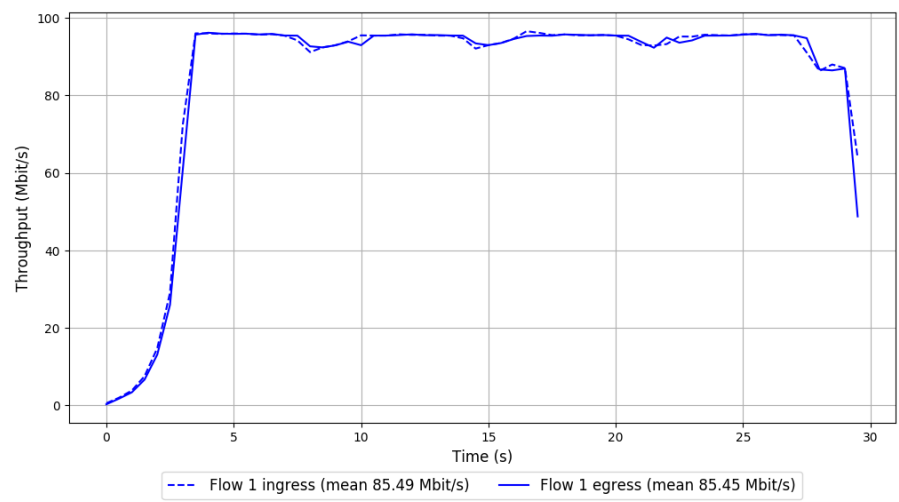


Run 4: Statistics of Vivace-loss

Start at: 2018-01-16 11:27:27
End at: 2018-01-16 11:27:57
Local clock offset: -0.096 ms
Remote clock offset: -3.748 ms

Below is generated by plot.py at 2018-01-16 17:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 96.477 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 96.477 ms
Loss rate: 0.61%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-16 11:49:36

End at: 2018-01-16 11:50:06

Local clock offset: 0.11 ms

Remote clock offset: -4.856 ms

Below is generated by plot.py at 2018-01-16 17:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.79 Mbit/s

95th percentile per-packet one-way delay: 94.787 ms

Loss rate: 0.65%

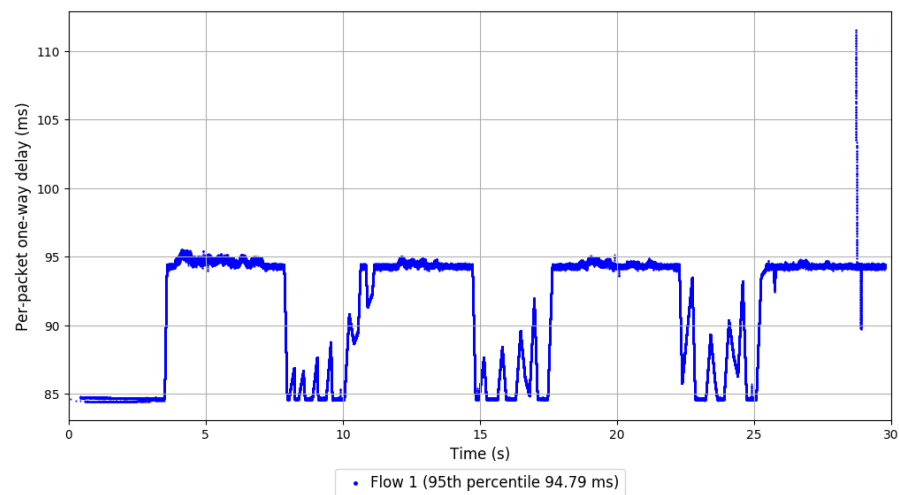
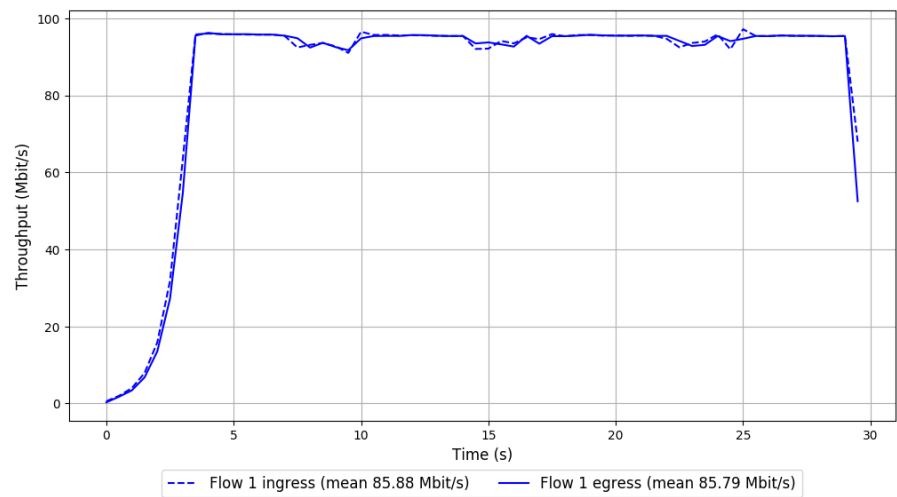
-- Flow 1:

Average throughput: 85.79 Mbit/s

95th percentile per-packet one-way delay: 94.787 ms

Loss rate: 0.65%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-16 12:11:47

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

Local clock offset: 0.258 ms

Remote clock offset: -5.973 ms

Below is generated by plot.py at 2018-01-16 17:44:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.90 Mbit/s

95th percentile per-packet one-way delay: 97.330 ms

Loss rate: 0.60%

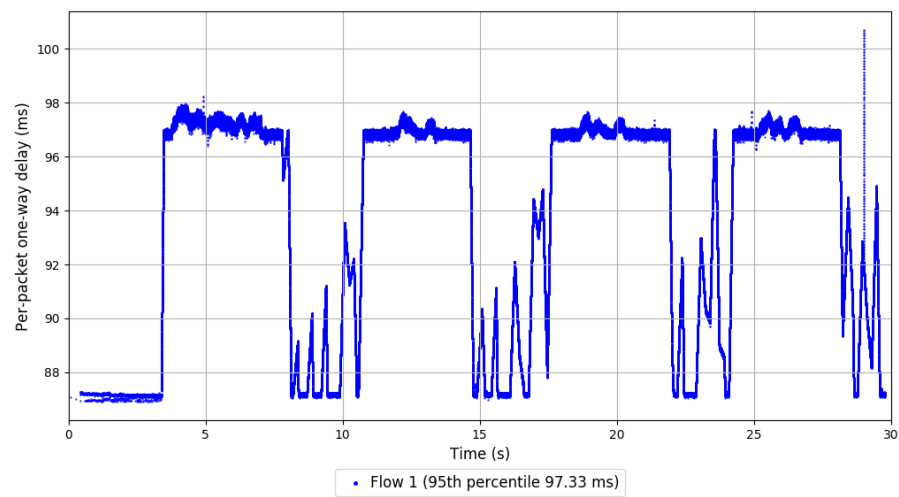
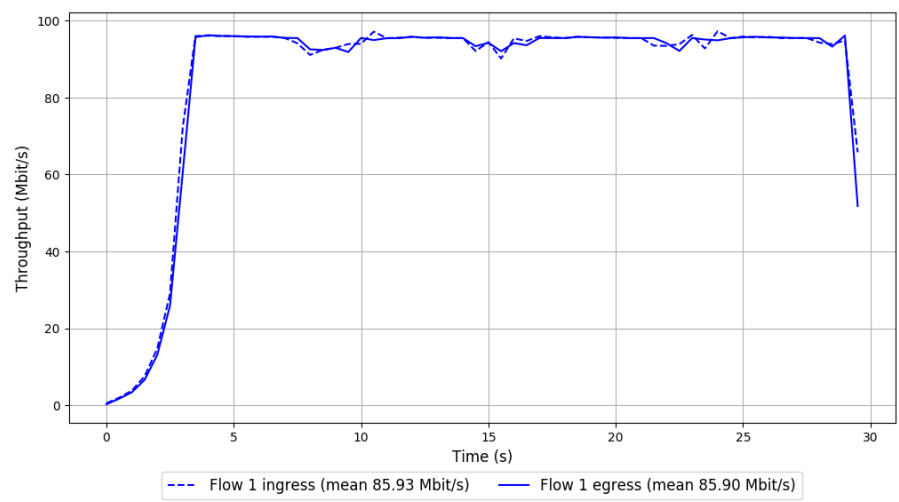
-- Flow 1:

Average throughput: 85.90 Mbit/s

95th percentile per-packet one-way delay: 97.330 ms

Loss rate: 0.60%

Run 6: Report of Vivace-loss — Data Link

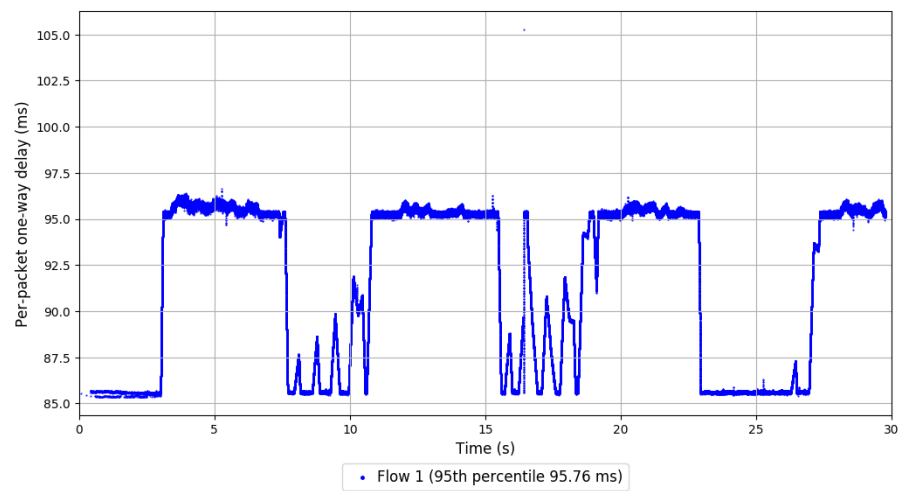
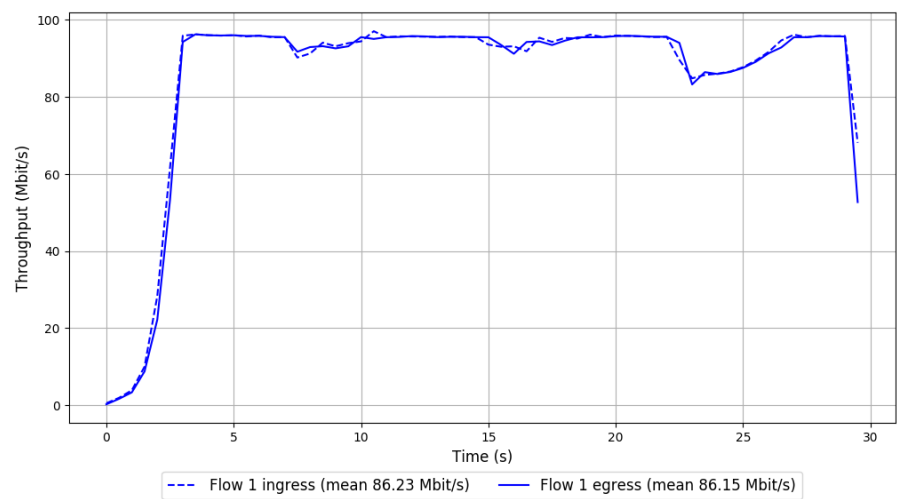


Run 7: Statistics of Vivace-loss

Start at: 2018-01-16 12:33:57
End at: 2018-01-16 12:34:27
Local clock offset: 0.41 ms
Remote clock offset: -4.608 ms

Below is generated by plot.py at 2018-01-16 17:45:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 95.759 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 95.759 ms
Loss rate: 0.66%

Run 7: Report of Vivace-loss — Data Link

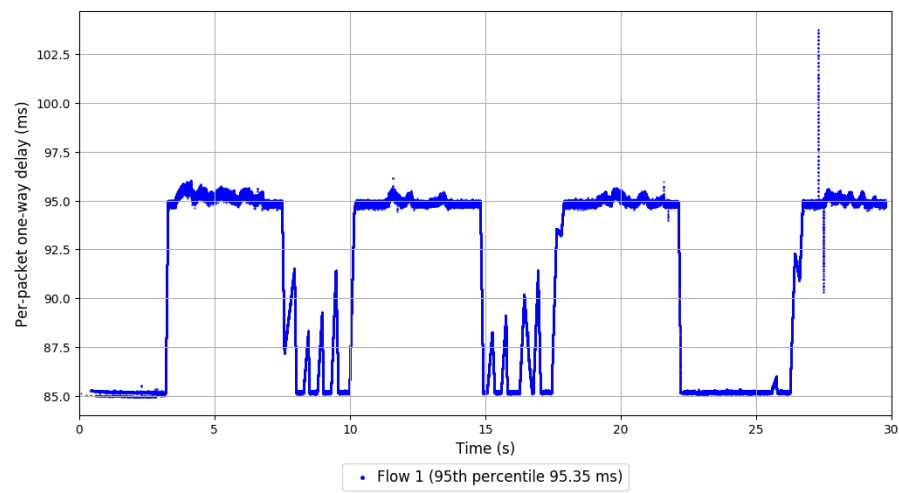
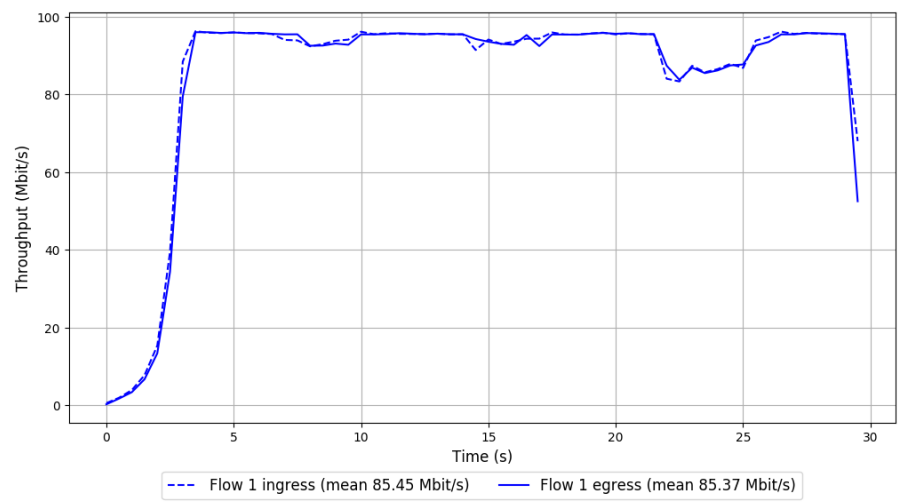


Run 8: Statistics of Vivace-loss

Start at: 2018-01-16 12:56:08
End at: 2018-01-16 12:56:38
Local clock offset: 0.674 ms
Remote clock offset: -4.348 ms

Below is generated by plot.py at 2018-01-16 17:45:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 95.346 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 95.346 ms
Loss rate: 0.66%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

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

End at: 2018-01-16 13:18:46

Local clock offset: 0.241 ms

Remote clock offset: -5.135 ms

Below is generated by plot.py at 2018-01-16 17:45:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.78 Mbit/s

95th percentile per-packet one-way delay: 96.824 ms

Loss rate: 0.64%

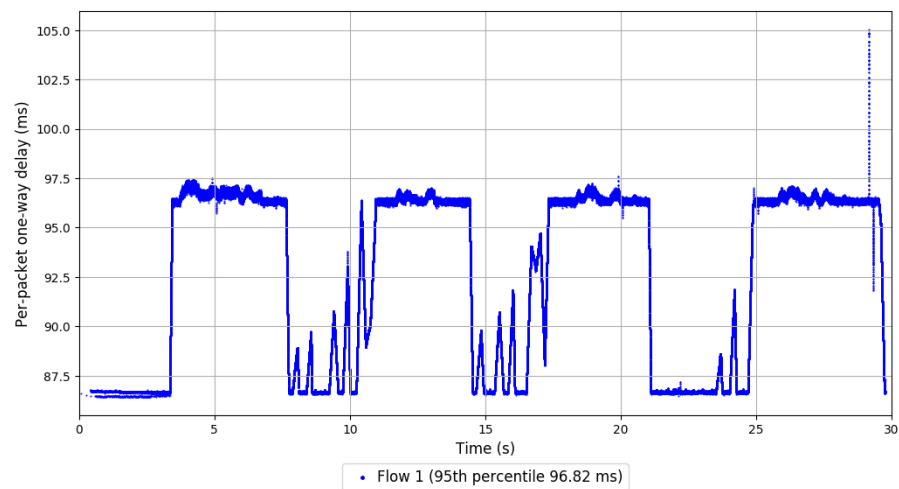
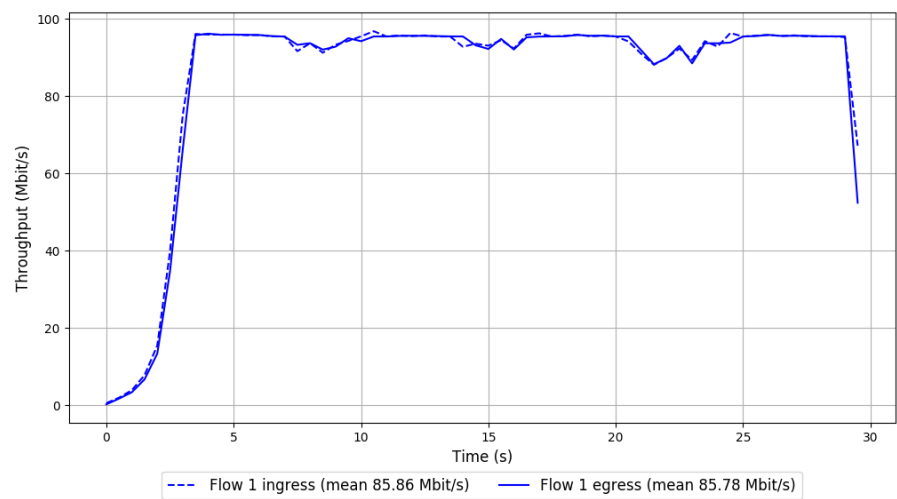
-- Flow 1:

Average throughput: 85.78 Mbit/s

95th percentile per-packet one-way delay: 96.824 ms

Loss rate: 0.64%

Run 9: Report of Vivace-loss — Data Link

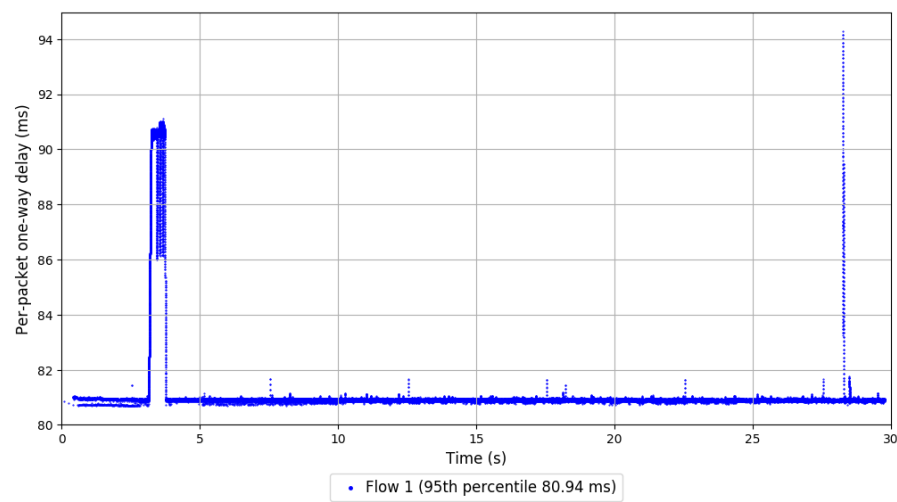
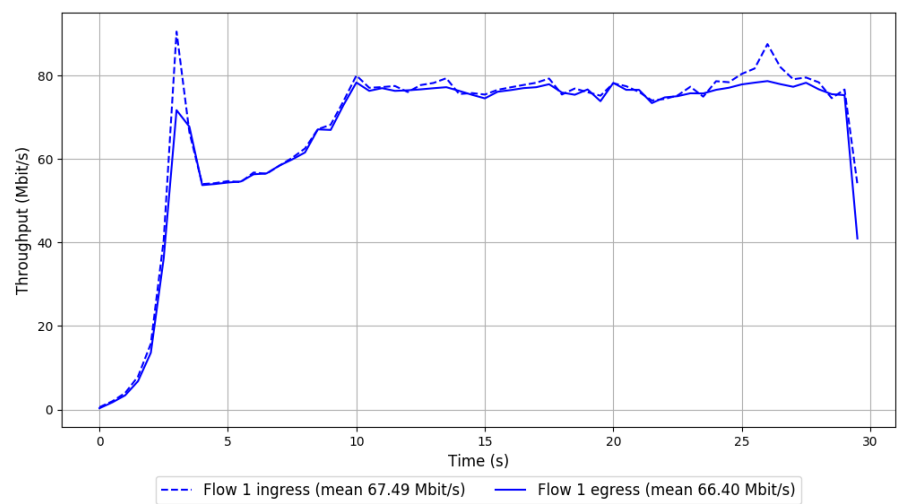


Run 10: Statistics of Vivace-loss

Start at: 2018-01-16 13:40:23
End at: 2018-01-16 13:40:53
Local clock offset: -0.074 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-01-16 17:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.40 Mbit/s
95th percentile per-packet one-way delay: 80.941 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 66.40 Mbit/s
95th percentile per-packet one-way delay: 80.941 ms
Loss rate: 2.16%

Run 10: Report of Vivace-loss — Data Link

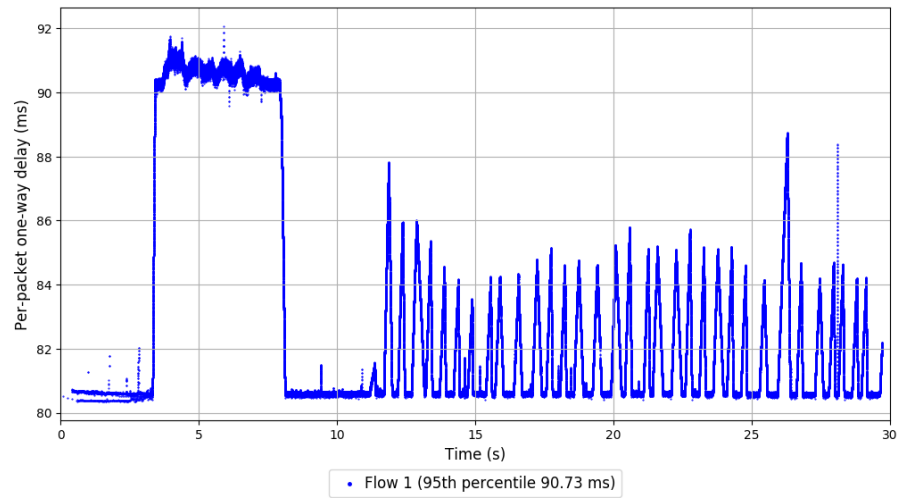
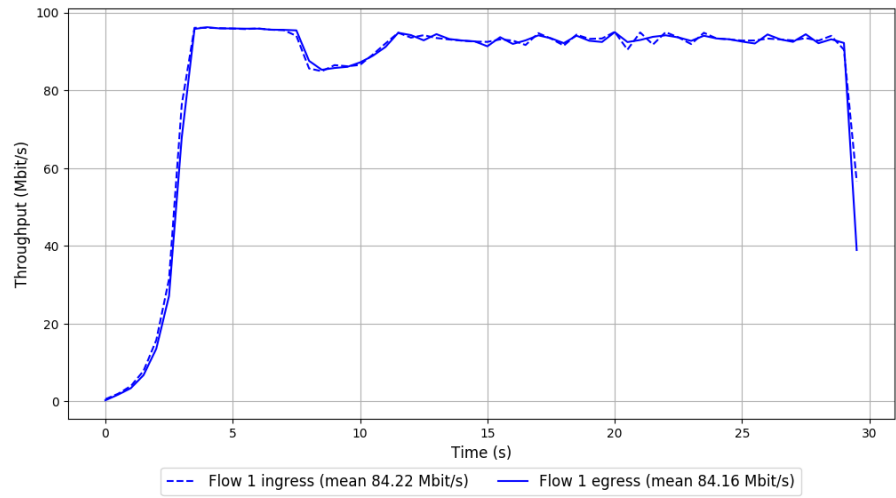


Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 10:01:09
End at: 2018-01-16 10:01:39
Local clock offset: 0.255 ms
Remote clock offset: -0.258 ms

Below is generated by plot.py at 2018-01-16 17:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 90.726 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 90.726 ms
Loss rate: 0.63%

Run 1: Report of Vivace-LTE — Data Link

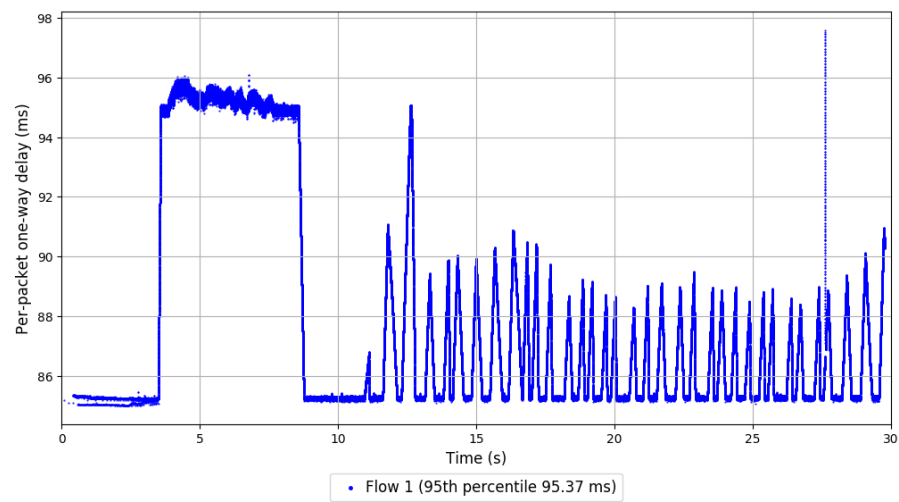
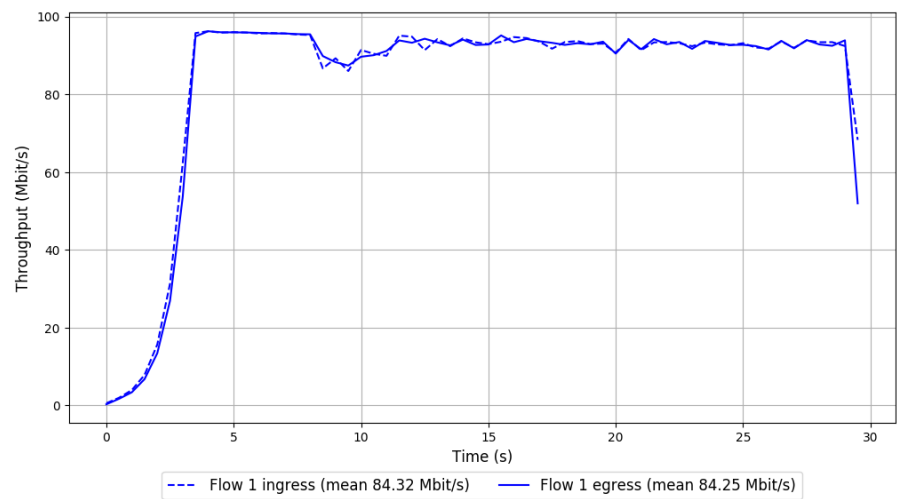


Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 10:23:22
End at: 2018-01-16 10:23:52
Local clock offset: -0.096 ms
Remote clock offset: -6.063 ms

Below is generated by plot.py at 2018-01-16 17:46:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 95.367 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 95.367 ms
Loss rate: 0.63%

Run 2: Report of Vivace-LTE — Data Link

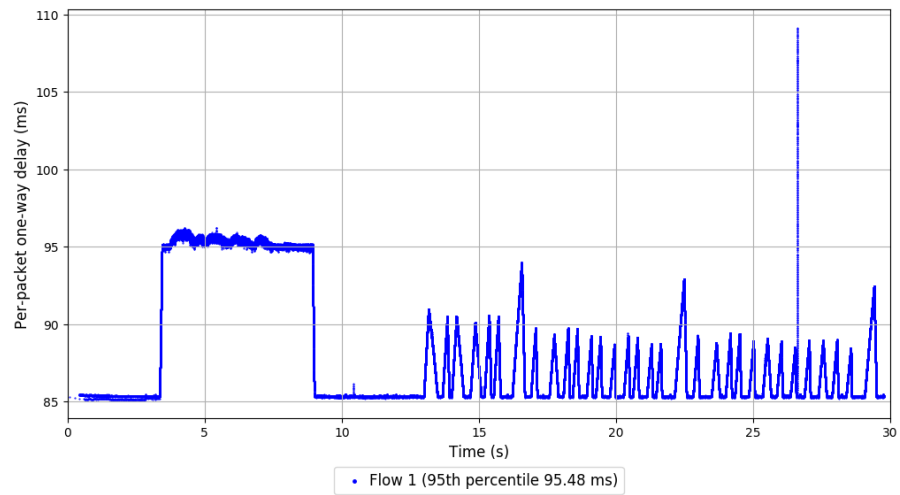
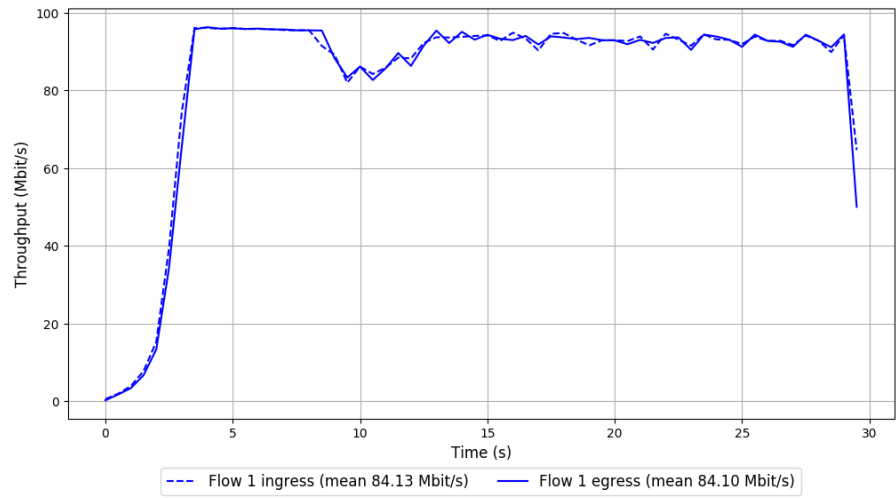


Run 3: Statistics of Vivace-LTE

Start at: 2018-01-16 10:45:33
End at: 2018-01-16 10:46:03
Local clock offset: -0.36 ms
Remote clock offset: -4.841 ms

Below is generated by plot.py at 2018-01-16 17:46:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 95.483 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 95.483 ms
Loss rate: 0.59%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-16 11:07:44

End at: 2018-01-16 11:08:14

Local clock offset: -0.203 ms

Remote clock offset: 2.524 ms

Below is generated by plot.py at 2018-01-16 17:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.26 Mbit/s

95th percentile per-packet one-way delay: 86.474 ms

Loss rate: 0.63%

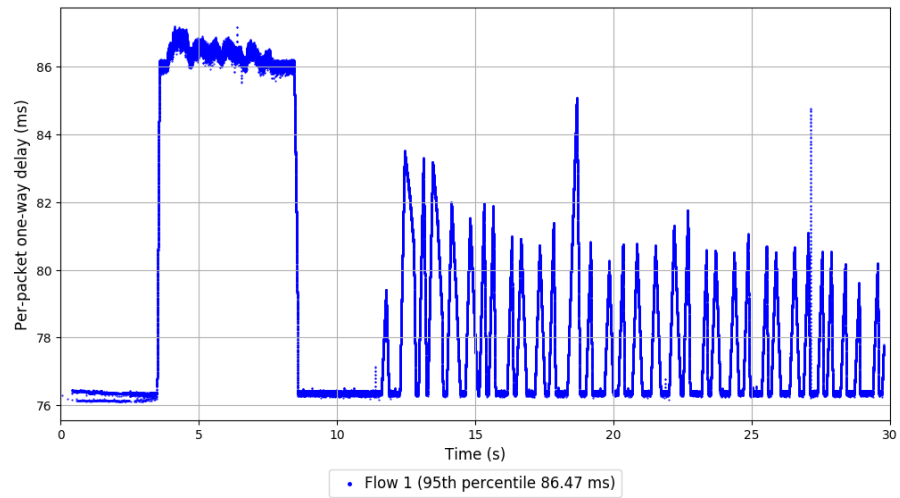
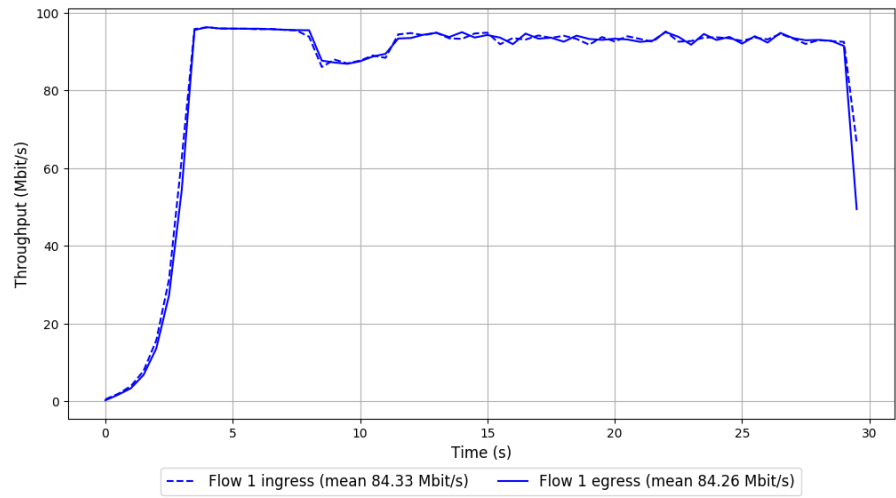
-- Flow 1:

Average throughput: 84.26 Mbit/s

95th percentile per-packet one-way delay: 86.474 ms

Loss rate: 0.63%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-16 11:29:55

End at: 2018-01-16 11:30:25

Local clock offset: -0.104 ms

Remote clock offset: 1.228 ms

Below is generated by plot.py at 2018-01-16 17:47:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 89.668 ms

Loss rate: 0.61%

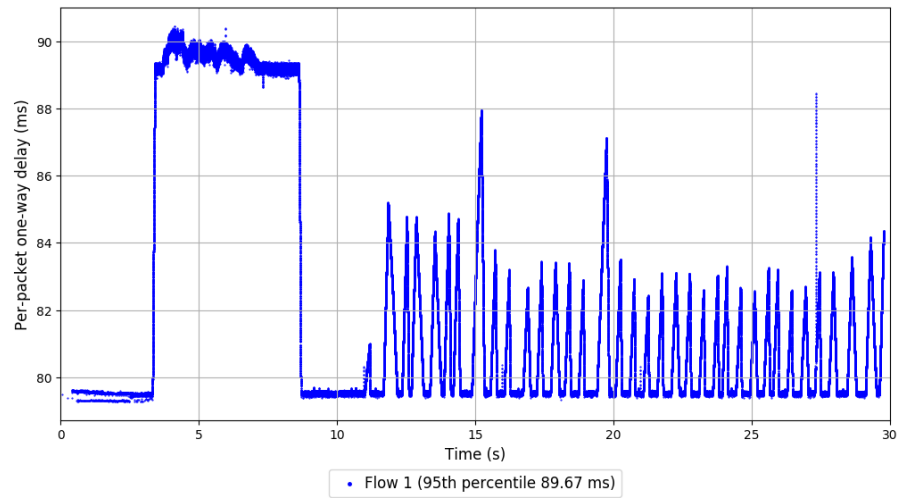
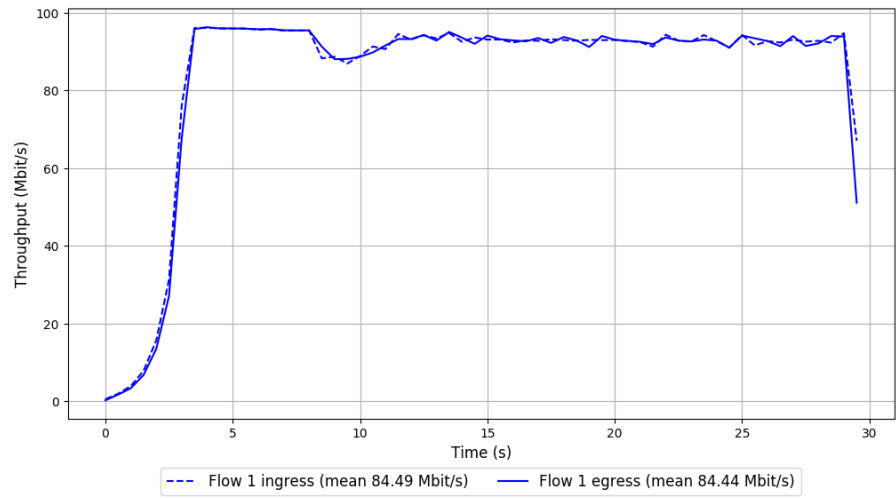
-- Flow 1:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 89.668 ms

Loss rate: 0.61%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-16 11:52:05

End at: 2018-01-16 11:52:35

Local clock offset: 0.13 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-01-16 17:47:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.16 Mbit/s

95th percentile per-packet one-way delay: 90.789 ms

Loss rate: 0.61%

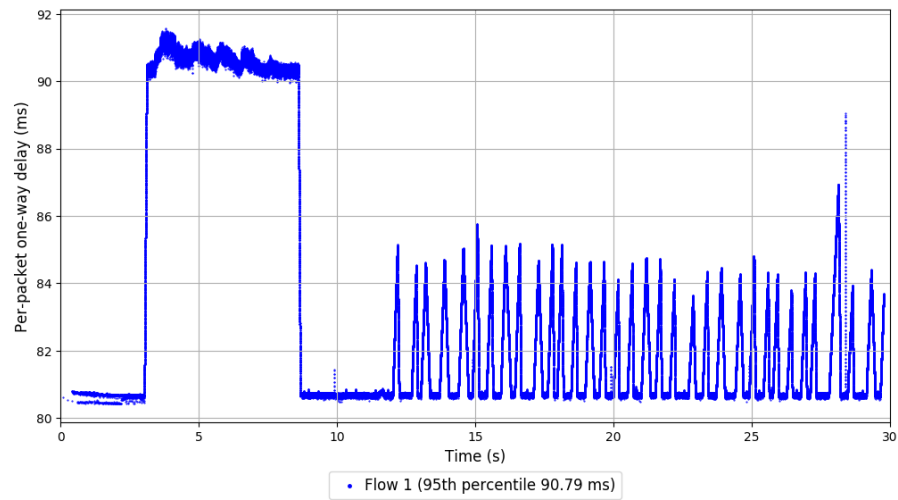
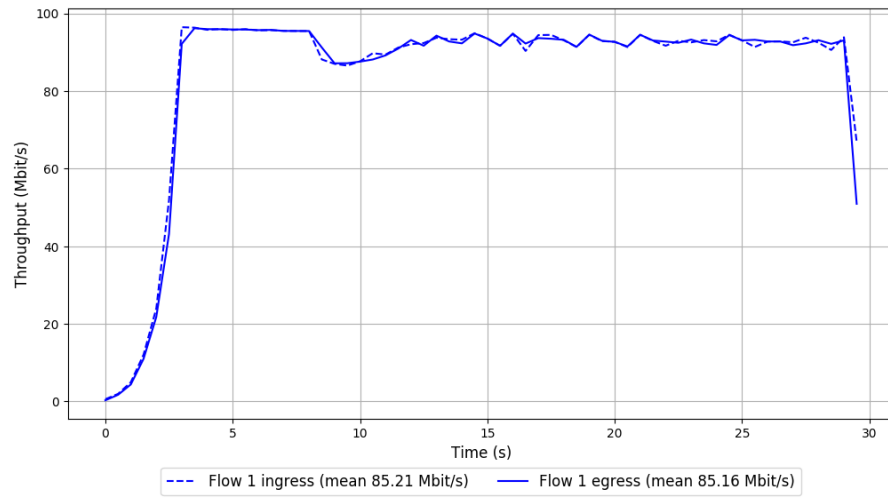
-- Flow 1:

Average throughput: 85.16 Mbit/s

95th percentile per-packet one-way delay: 90.789 ms

Loss rate: 0.61%

Run 6: Report of Vivace-LTE — Data Link

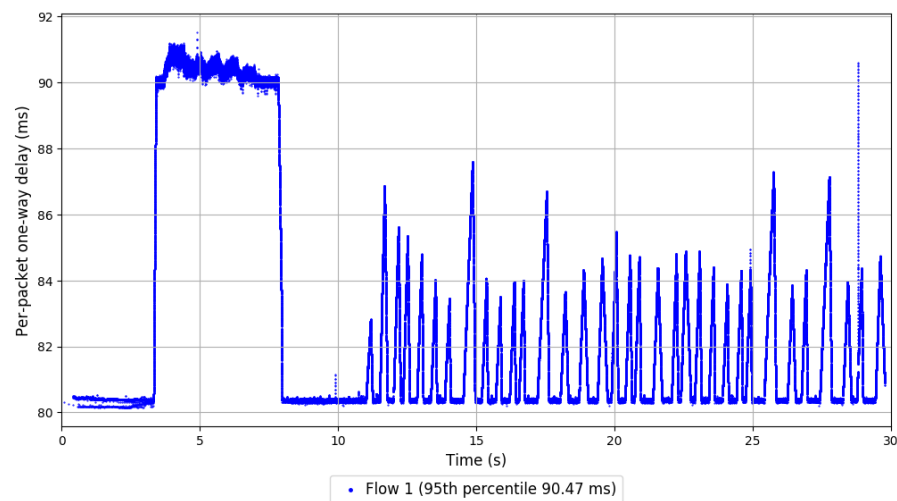
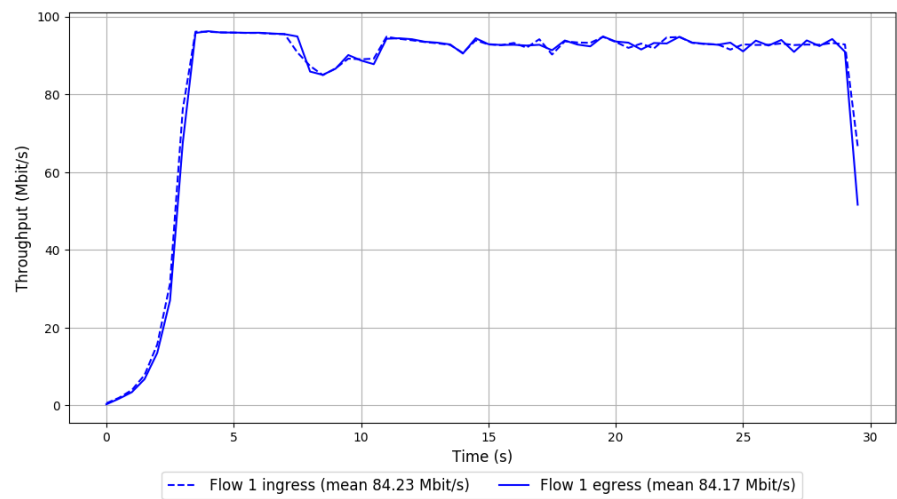


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-16 12:14:16
End at: 2018-01-16 12:14:46
Local clock offset: 0.271 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-01-16 17:47:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 90.470 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 90.470 ms
Loss rate: 0.62%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-16 12:36:25

End at: 2018-01-16 12:36:55

Local clock offset: 0.483 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2018-01-16 17:47:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.92 Mbit/s

95th percentile per-packet one-way delay: 91.956 ms

Loss rate: 0.59%

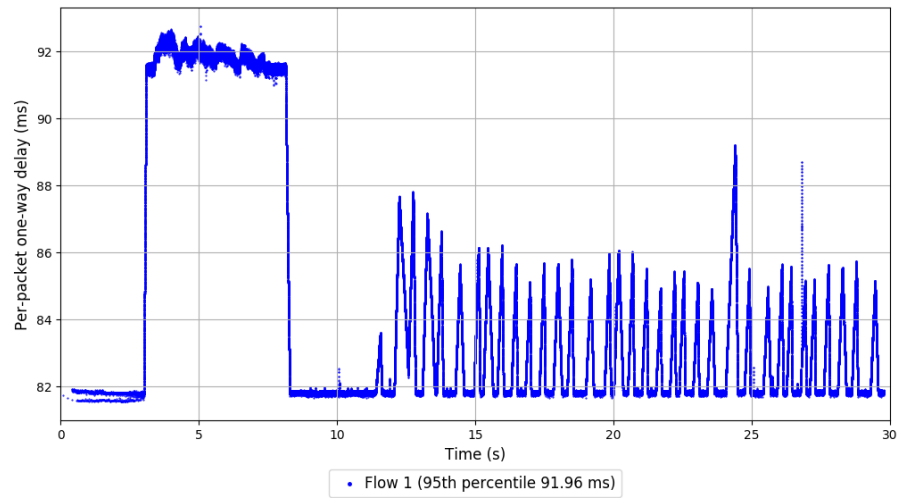
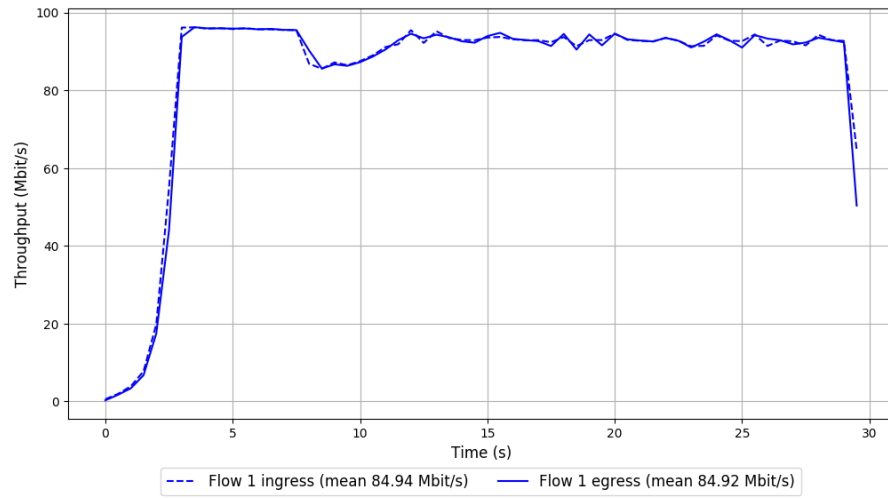
-- Flow 1:

Average throughput: 84.92 Mbit/s

95th percentile per-packet one-way delay: 91.956 ms

Loss rate: 0.59%

Run 8: Report of Vivace-LTE — Data Link

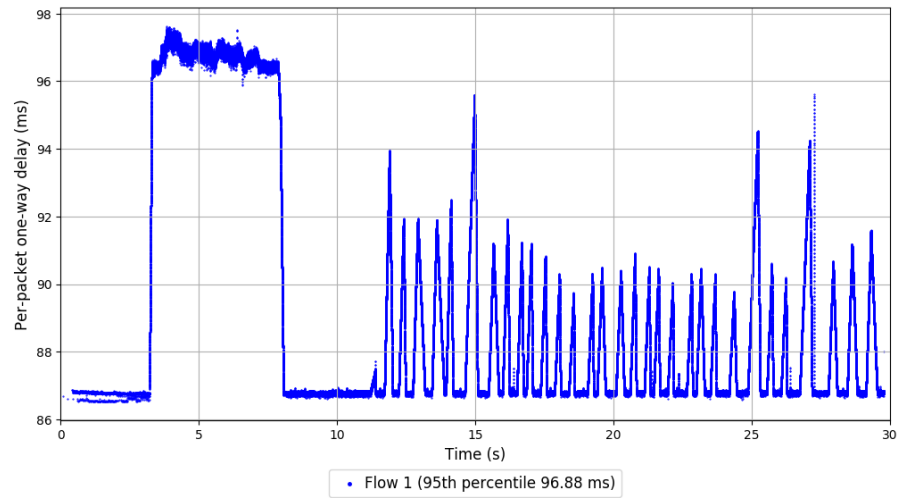
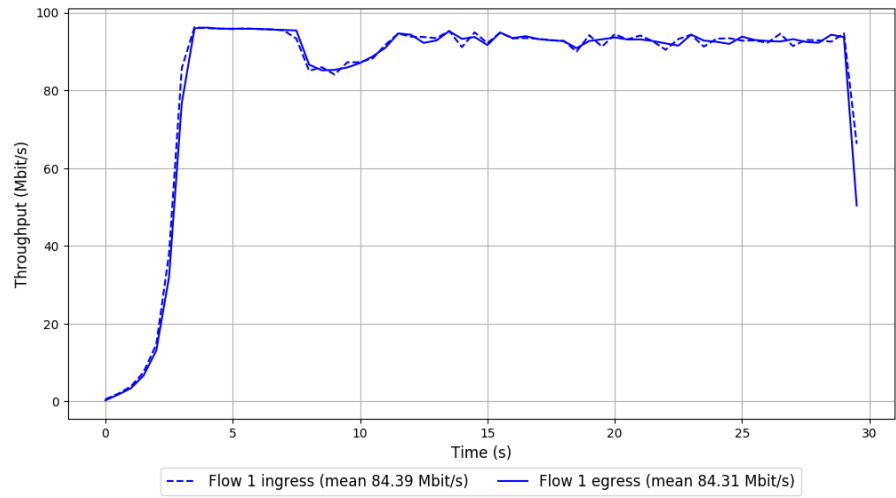


Run 9: Statistics of Vivace-LTE

Start at: 2018-01-16 12:58:36
End at: 2018-01-16 12:59:06
Local clock offset: 0.665 ms
Remote clock offset: -4.244 ms

Below is generated by plot.py at 2018-01-16 17:48:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.31 Mbit/s
95th percentile per-packet one-way delay: 96.875 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 84.31 Mbit/s
95th percentile per-packet one-way delay: 96.875 ms
Loss rate: 0.65%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-16 13:20:45

End at: 2018-01-16 13:21:15

Local clock offset: 0.246 ms

Remote clock offset: 0.696 ms

Below is generated by plot.py at 2018-01-16 17:48:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.90 Mbit/s

95th percentile per-packet one-way delay: 91.863 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 83.90 Mbit/s

95th percentile per-packet one-way delay: 91.863 ms

Loss rate: 0.60%

Run 10: Report of Vivace-LTE — Data Link

