

Pantheon Report

Generated at 2018-01-16 18:51:24 (UTC).

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

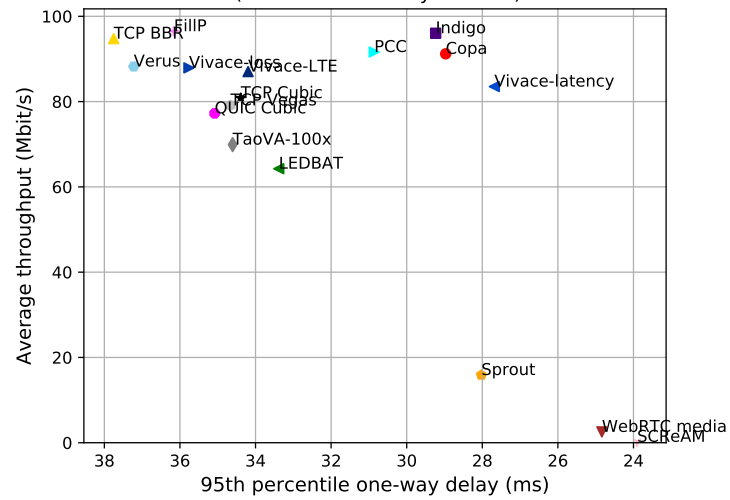
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

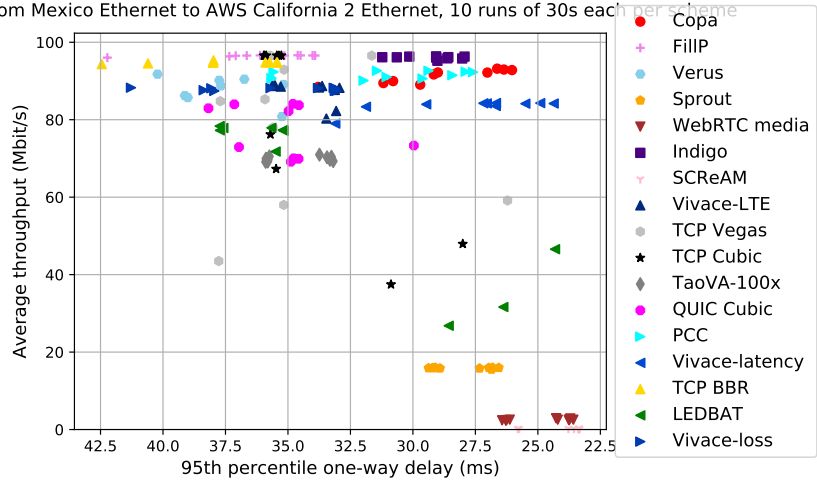
Git summary:

```
branch: master @ af8abdfba95588b0c5f2aeca9e856a1656b0c598
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fixp @ 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 Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



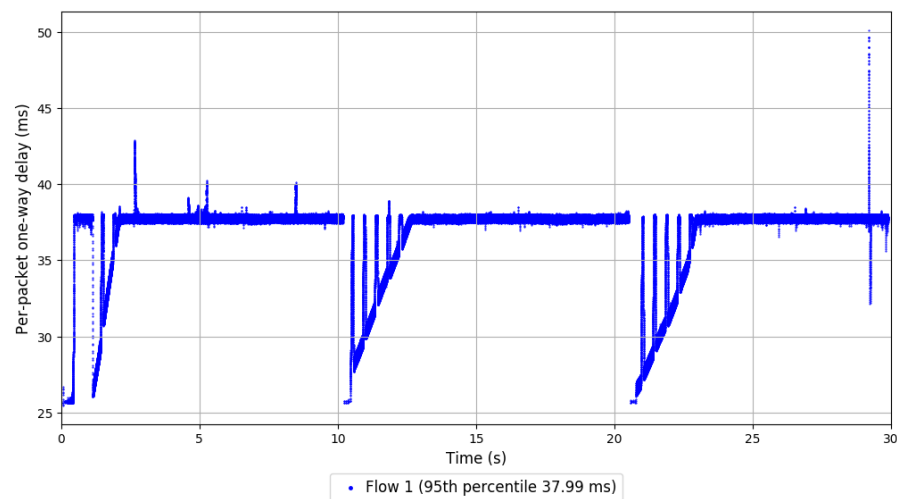
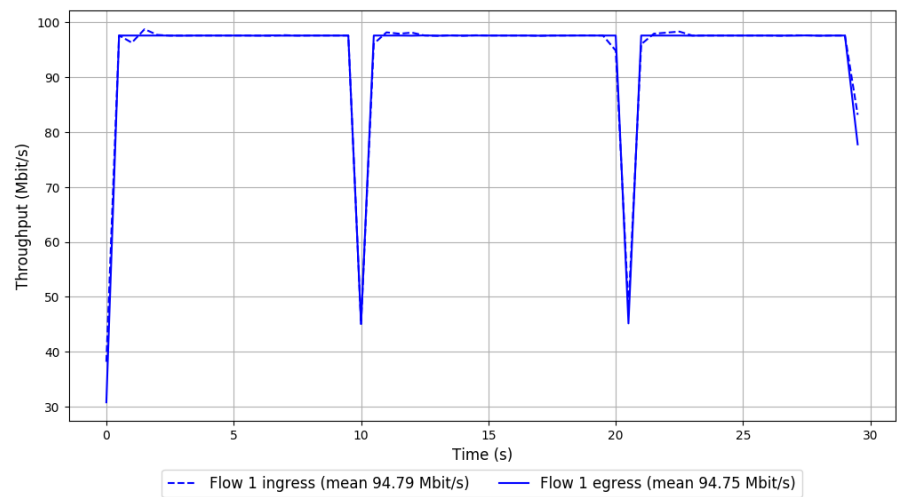
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.76	37.75	0.25
TCP Cubic	10	80.81	34.39	0.26
LEDBAT	10	64.26	33.39	0.30
PCC	10	91.63	30.86	0.23
QUIC Cubic	10	77.23	35.08	0.25
SCReAM	10	0.22	23.90	0.19
WebRTC media	10	2.54	24.84	0.24
Sprout	10	15.88	28.03	0.19
TaoVA-100x	10	69.91	34.61	0.26
TCP Vegas	10	79.11	34.66	0.20
Verus	10	88.23	37.22	0.29
Copa	10	91.20	28.97	0.25
FillP	10	96.50	36.16	0.31
Indigo	10	96.02	29.23	0.23
Vivace-latency	10	83.52	27.68	0.24
Vivace-loss	10	87.90	35.76	0.29
Vivace-LTE	10	87.03	34.20	0.24

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 10:10:41
End at: 2018-01-16 10:11:11
Local clock offset: 0.054 ms
Remote clock offset: -2.875 ms

Below is generated by plot.py at 2018-01-16 18:24:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 37.988 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 37.988 ms
Loss rate: 0.23%

Run 1: Report of TCP BBR — Data Link

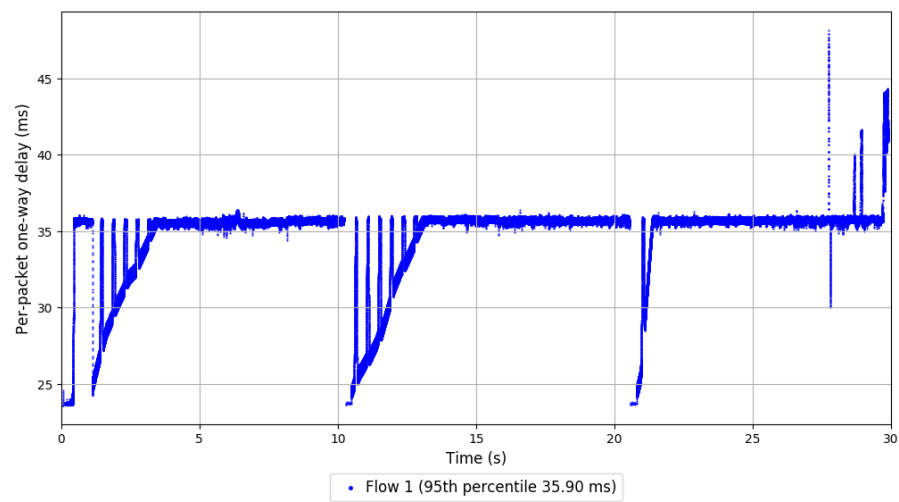
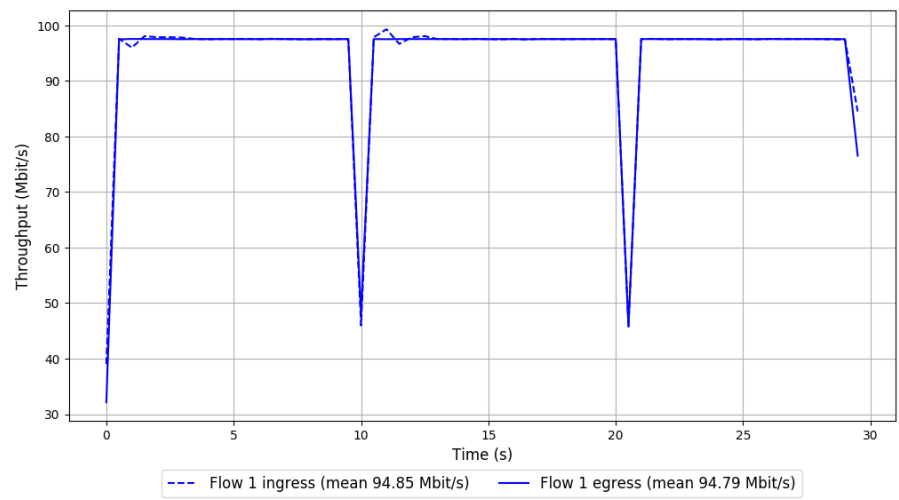


Run 2: Statistics of TCP BBR

Start at: 2018-01-16 10:35:00
End at: 2018-01-16 10:35:30
Local clock offset: -0.161 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-01-16 18:24:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 35.902 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 35.902 ms
Loss rate: 0.26%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-16 10:59:06

End at: 2018-01-16 10:59:36

Local clock offset: -0.21 ms

Remote clock offset: -1.522 ms

Below is generated by plot.py at 2018-01-16 18:24:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 37.990 ms

Loss rate: 0.23%

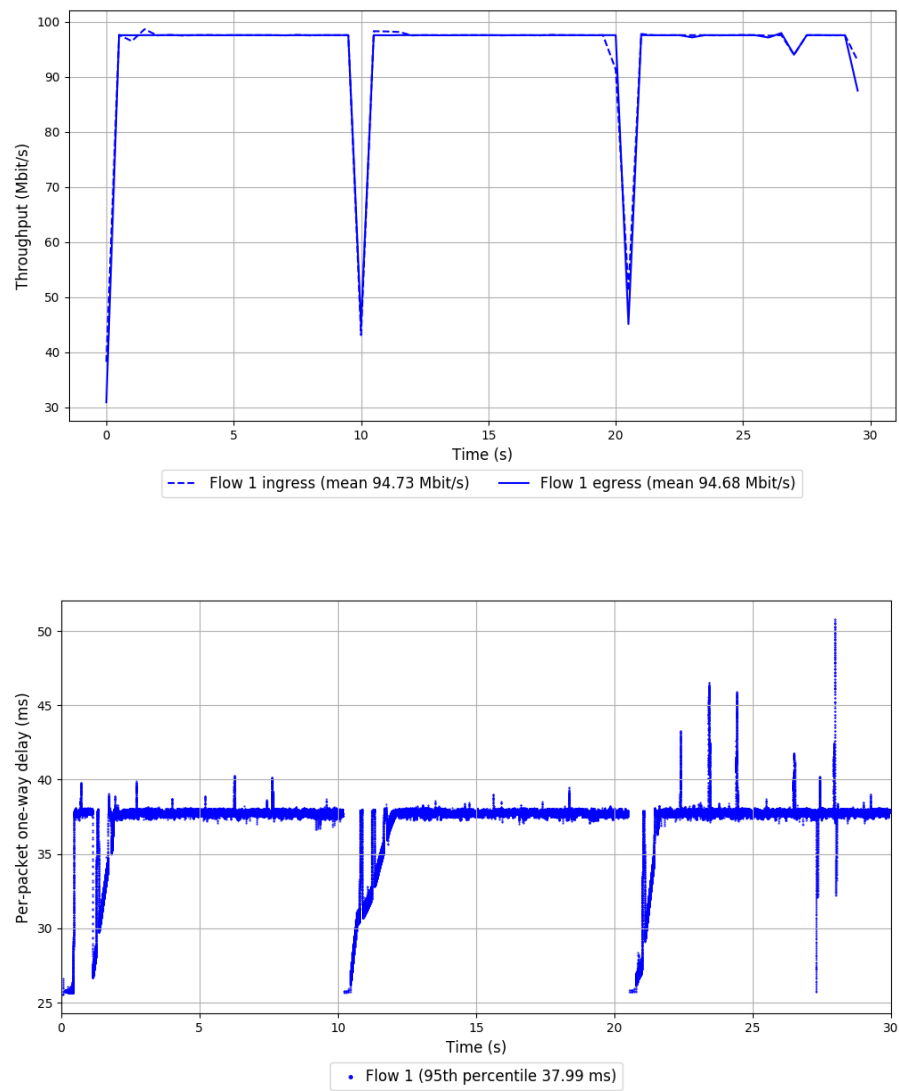
-- Flow 1:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 37.990 ms

Loss rate: 0.23%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

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

End at: 2018-01-16 11:23:41

Local clock offset: -0.199 ms

Remote clock offset: 1.194 ms

Below is generated by plot.py at 2018-01-16 18:24:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 35.736 ms

Loss rate: 0.22%

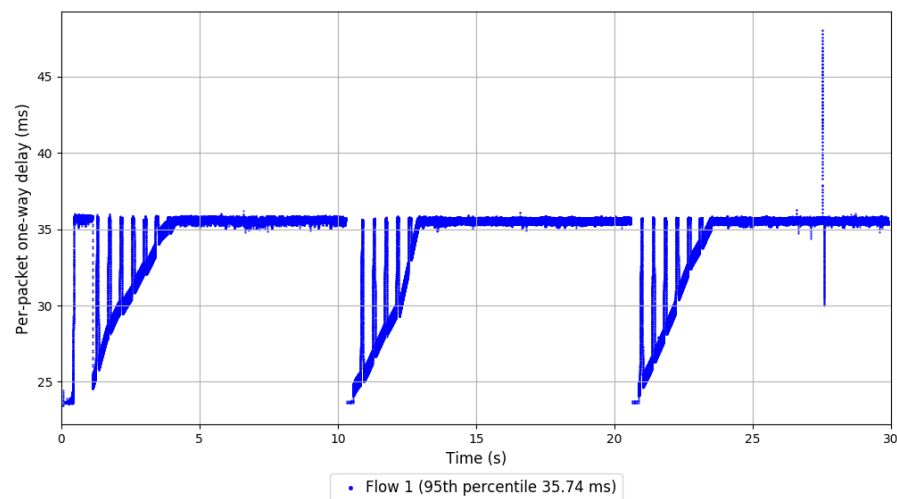
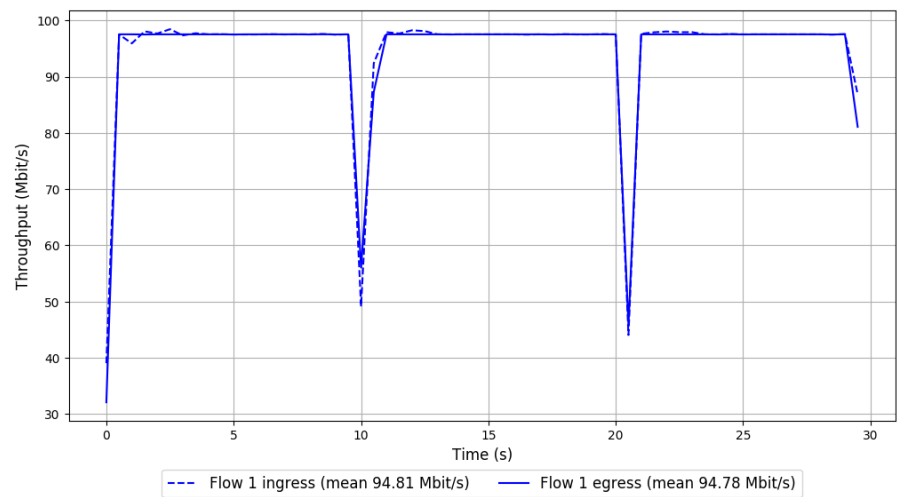
-- Flow 1:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 35.736 ms

Loss rate: 0.22%

Run 4: Report of TCP BBR — Data Link

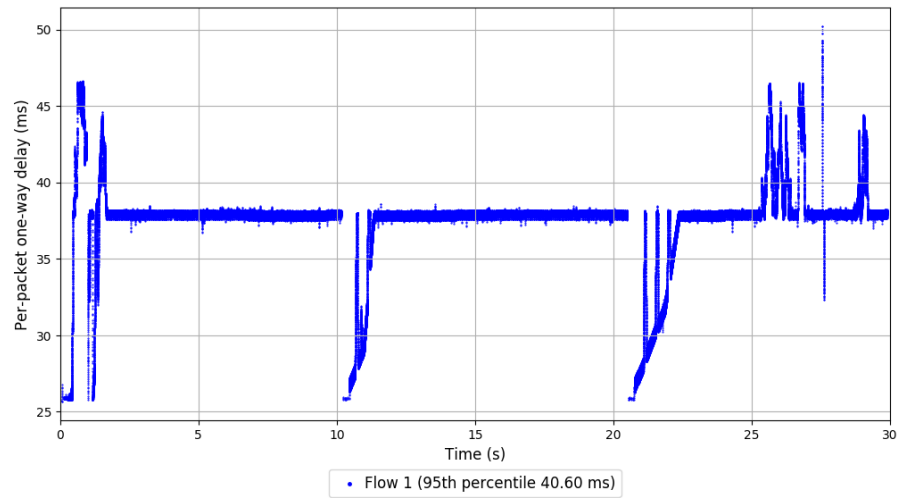
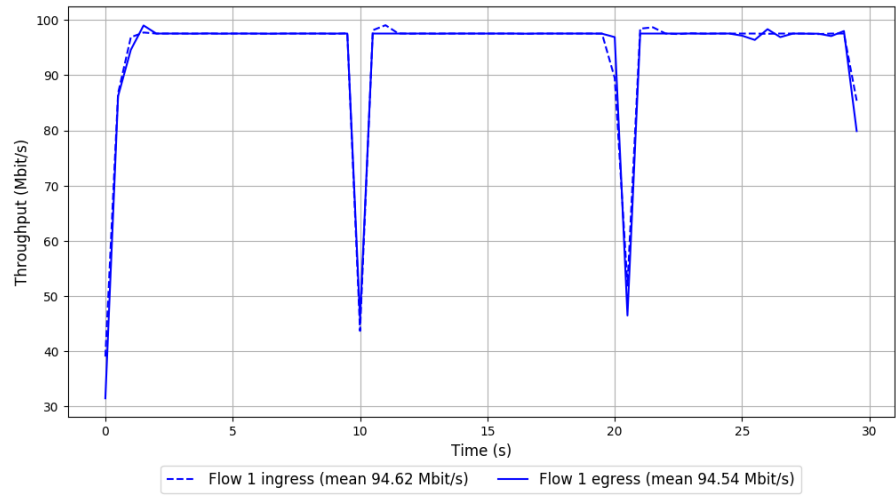


Run 5: Statistics of TCP BBR

Start at: 2018-01-16 11:47:30
End at: 2018-01-16 11:48:00
Local clock offset: -0.178 ms
Remote clock offset: -0.383 ms

Below is generated by plot.py at 2018-01-16 18:24:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 40.602 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 40.602 ms
Loss rate: 0.28%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

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

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

Local clock offset: -0.16 ms

Remote clock offset: 1.995 ms

Below is generated by plot.py at 2018-01-16 18:24:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 35.425 ms

Loss rate: 0.23%

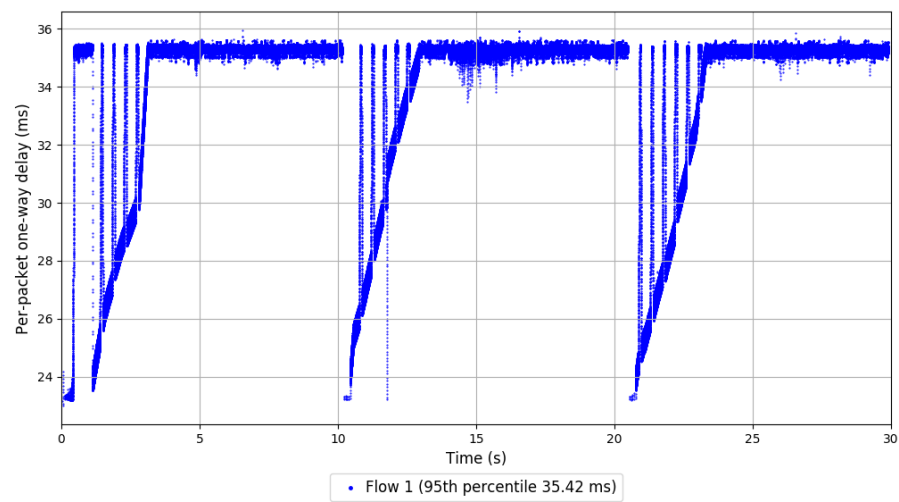
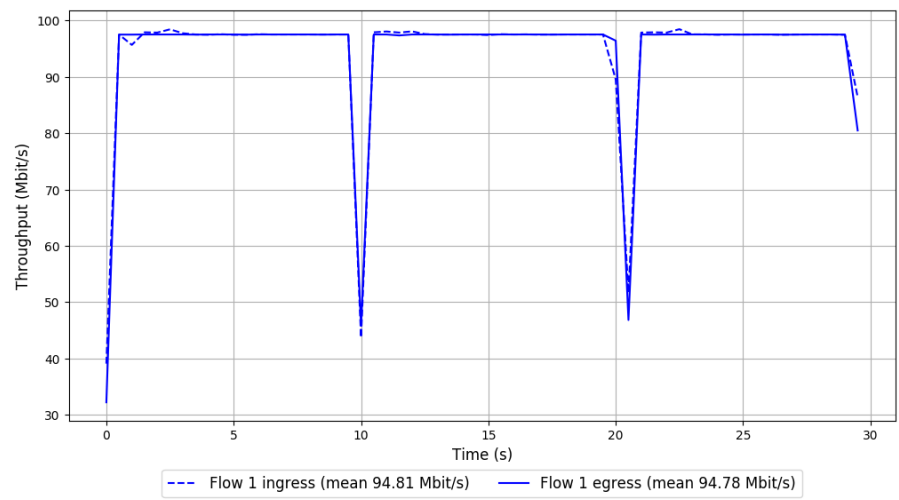
-- Flow 1:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 35.425 ms

Loss rate: 0.23%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-16 12:35:57

End at: 2018-01-16 12:36:27

Local clock offset: -0.194 ms

Remote clock offset: 0.832 ms

Below is generated by plot.py at 2018-01-16 18:24:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.80 Mbit/s

95th percentile per-packet one-way delay: 35.450 ms

Loss rate: 0.24%

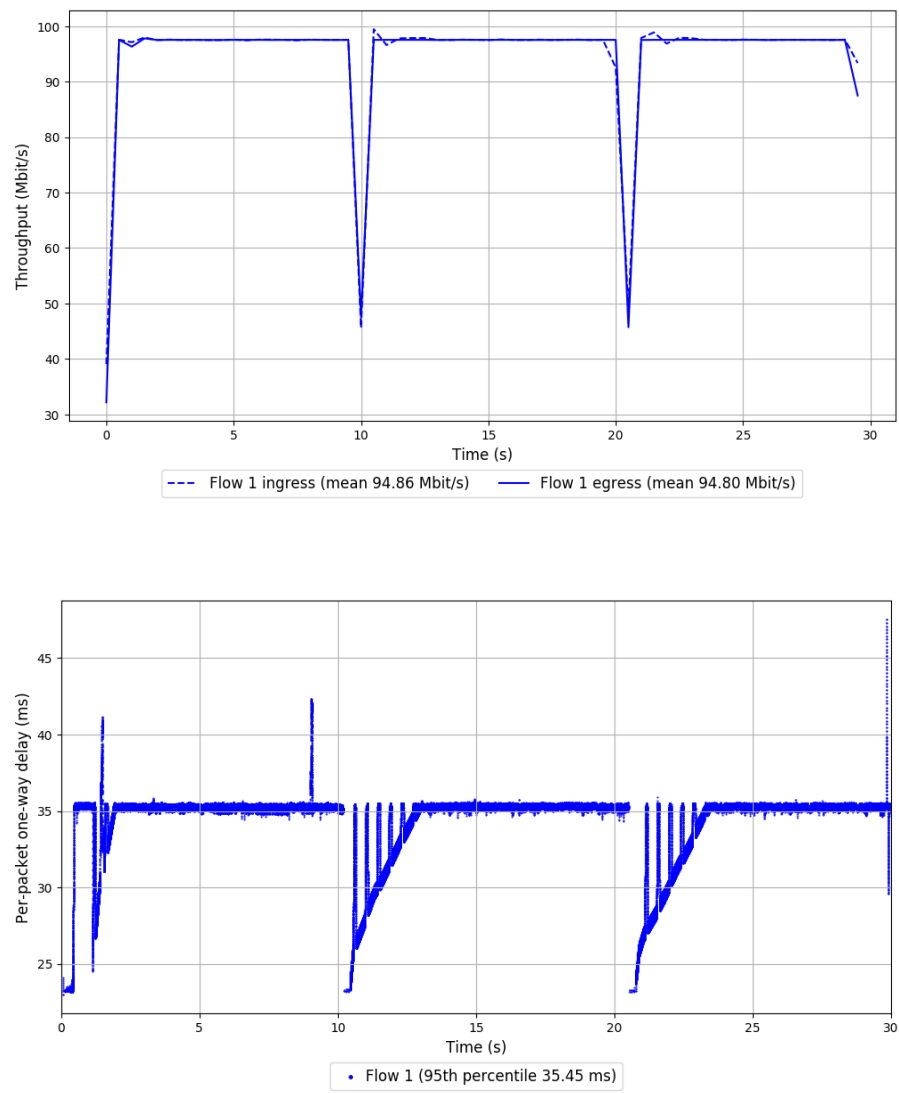
-- Flow 1:

Average throughput: 94.80 Mbit/s

95th percentile per-packet one-way delay: 35.450 ms

Loss rate: 0.24%

Run 7: Report of TCP BBR — Data Link

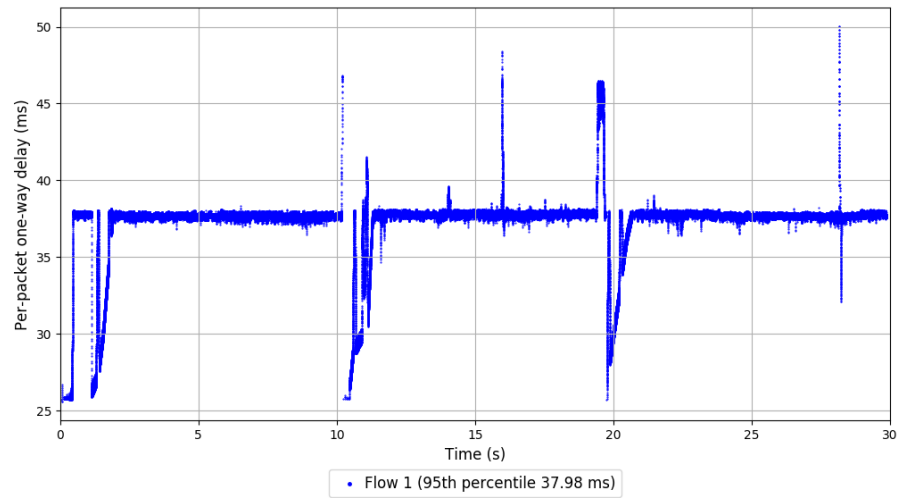
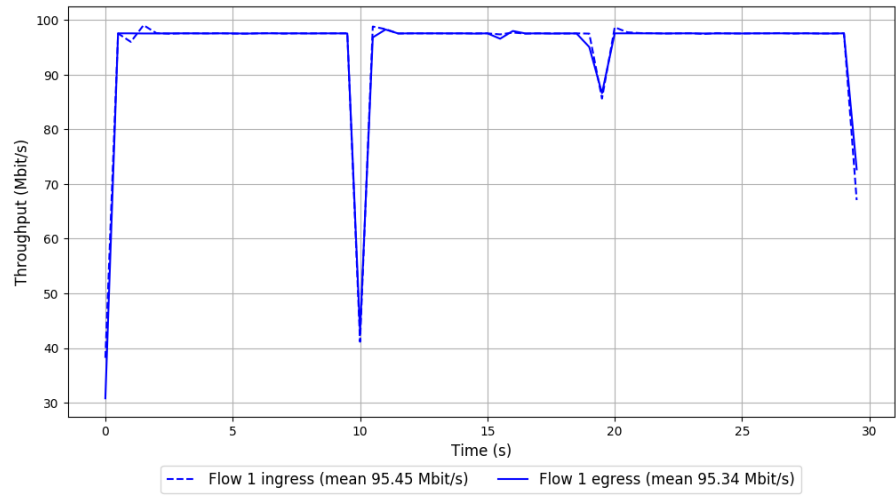


Run 8: Statistics of TCP BBR

Start at: 2018-01-16 13:00:05
End at: 2018-01-16 13:00:35
Local clock offset: -0.207 ms
Remote clock offset: -3.626 ms

Below is generated by plot.py at 2018-01-16 18:24:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 37.978 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 37.978 ms
Loss rate: 0.10%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-16 13:24:18

End at: 2018-01-16 13:24:48

Local clock offset: -0.32 ms

Remote clock offset: -5.196 ms

Below is generated by plot.py at 2018-01-16 18:25:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 38.000 ms

Loss rate: 0.22%

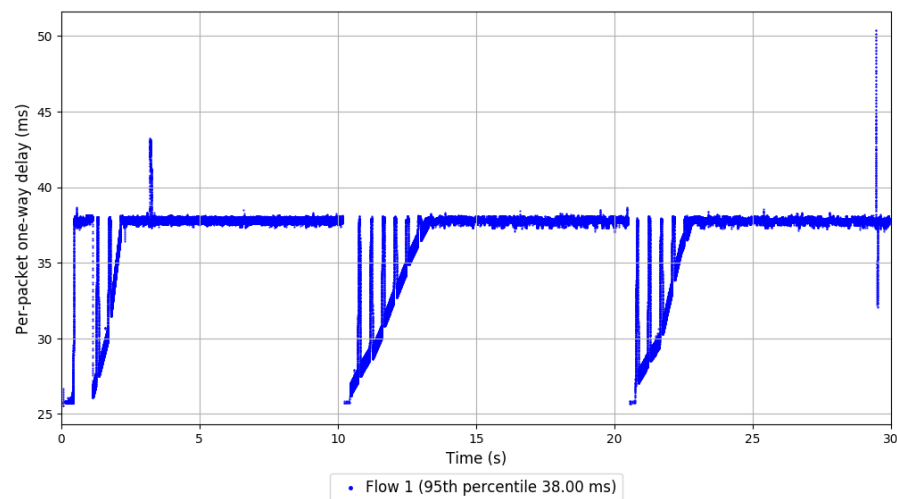
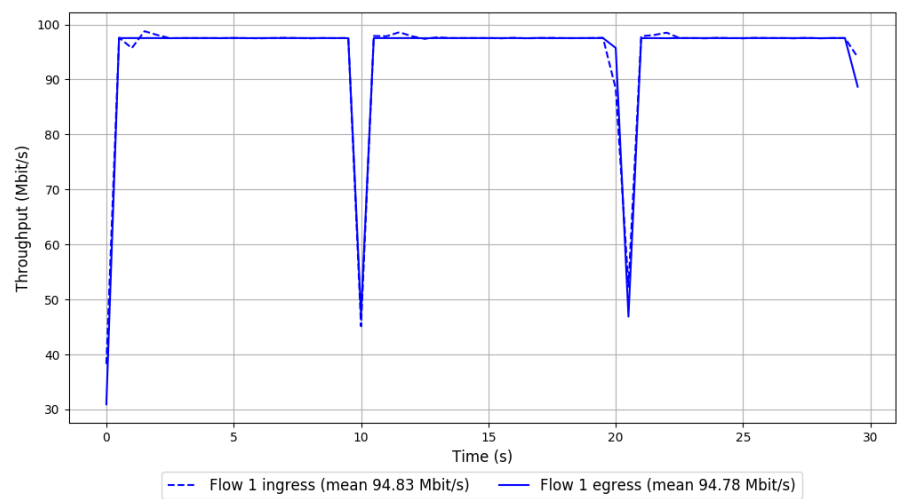
-- Flow 1:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 38.000 ms

Loss rate: 0.22%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-16 13:48:28

End at: 2018-01-16 13:48:58

Local clock offset: -0.374 ms

Remote clock offset: -3.89 ms

Below is generated by plot.py at 2018-01-16 18:25:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 42.450 ms

Loss rate: 0.44%

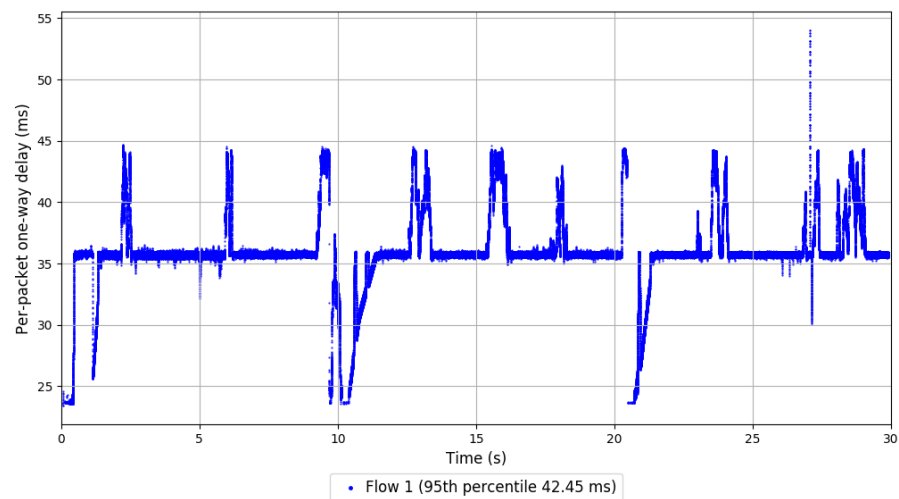
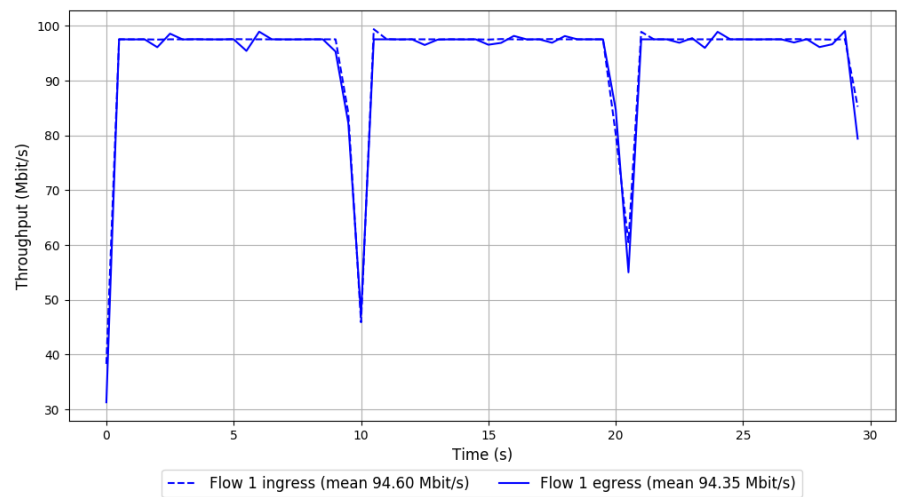
-- Flow 1:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 42.450 ms

Loss rate: 0.44%

Run 10: Report of TCP BBR — Data Link

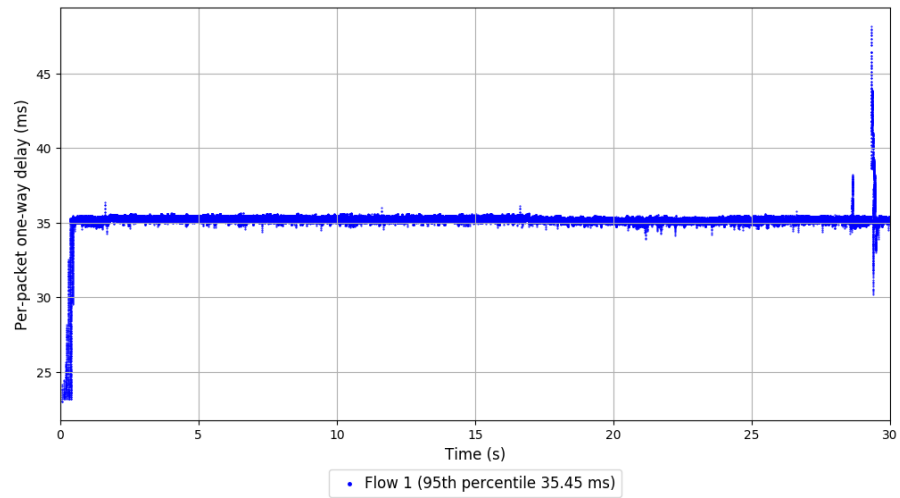
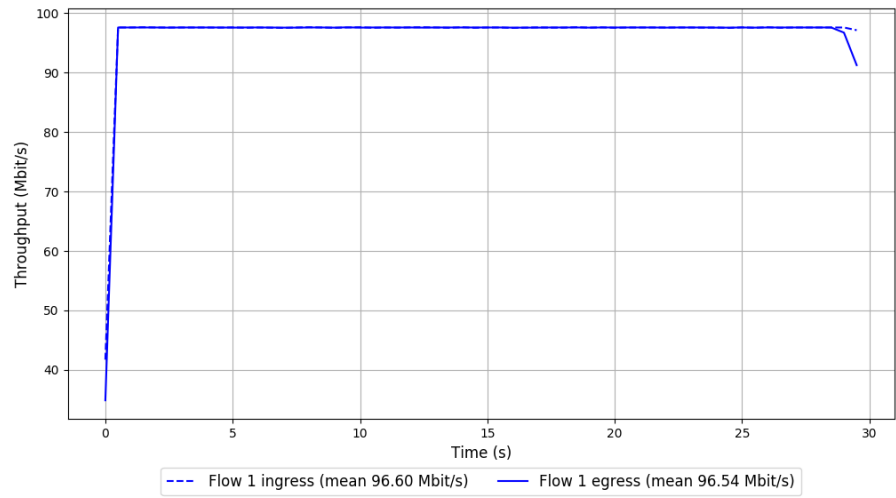


Run 1: Statistics of TCP Cubic

Start at: 2018-01-16 10:13:25
End at: 2018-01-16 10:13:55
Local clock offset: 0.023 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-01-16 18:25:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 35.447 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 35.447 ms
Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 10:37:44

End at: 2018-01-16 10:38:14

Local clock offset: -0.24 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-01-16 18:25:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 35.868 ms

Loss rate: 0.22%

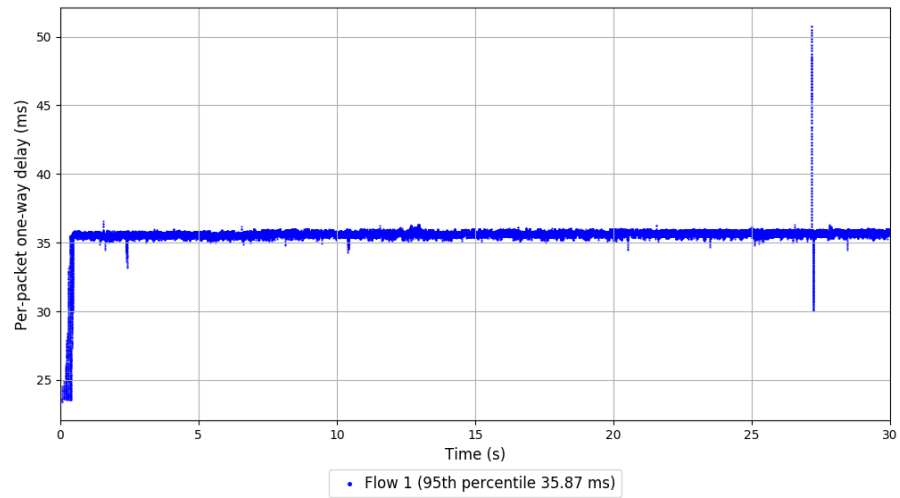
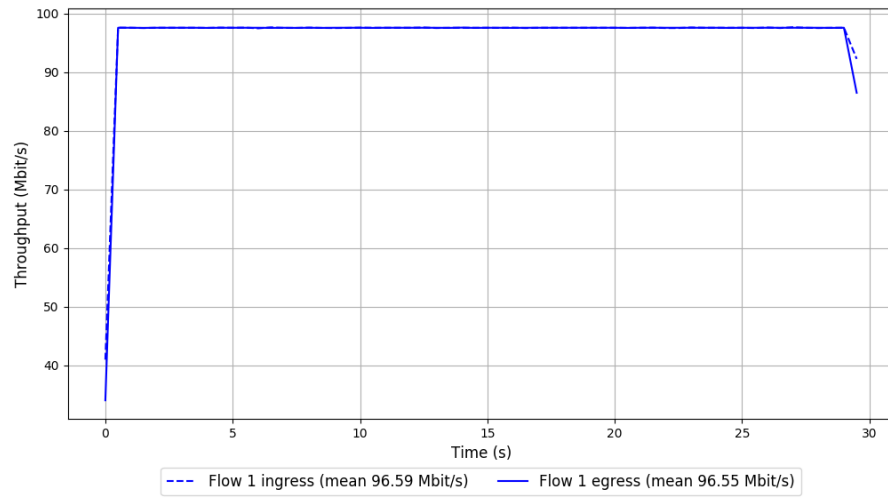
-- Flow 1:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 35.868 ms

Loss rate: 0.22%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

End at: 2018-01-16 11:02:19

Local clock offset: -0.233 ms

Remote clock offset: 0.61 ms

Below is generated by plot.py at 2018-01-16 18:25:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.29 Mbit/s

95th percentile per-packet one-way delay: 35.474 ms

Loss rate: 0.33%

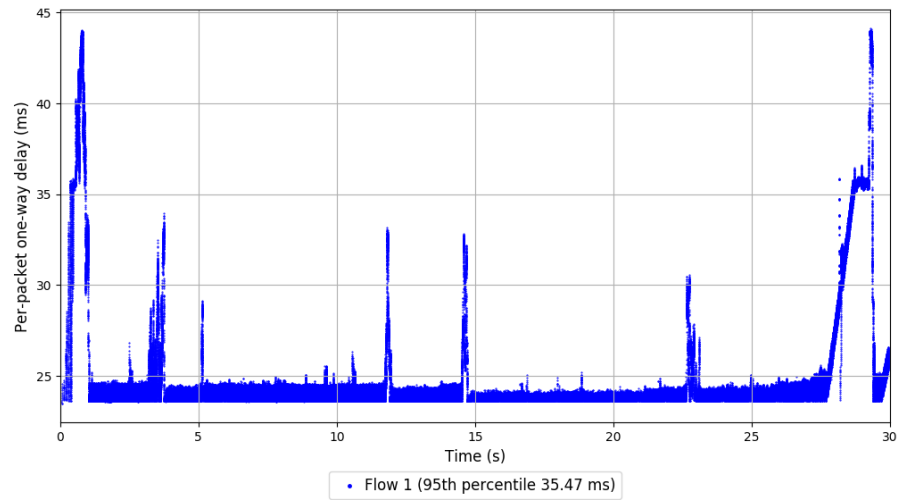
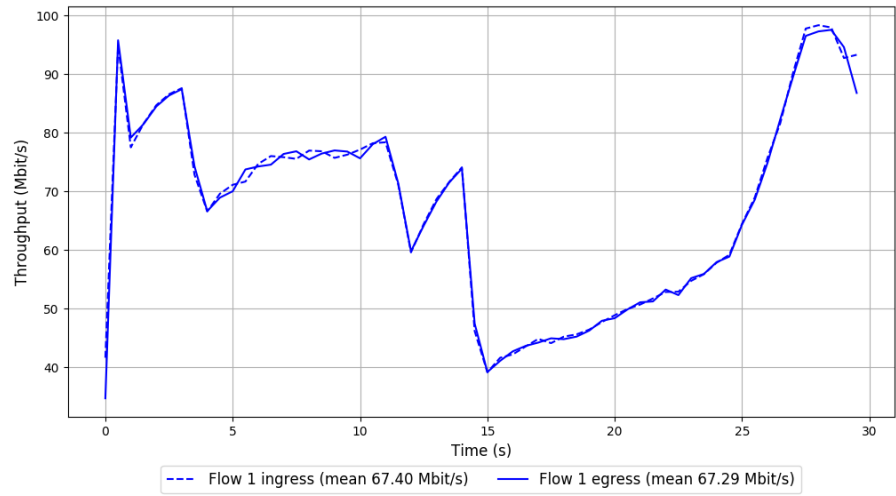
-- Flow 1:

Average throughput: 67.29 Mbit/s

95th percentile per-packet one-way delay: 35.474 ms

Loss rate: 0.33%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-16 11:25:55

End at: 2018-01-16 11:26:25

Local clock offset: -0.182 ms

Remote clock offset: 1.198 ms

Below is generated by plot.py at 2018-01-16 18:25:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.55 Mbit/s

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

Loss rate: 0.22%

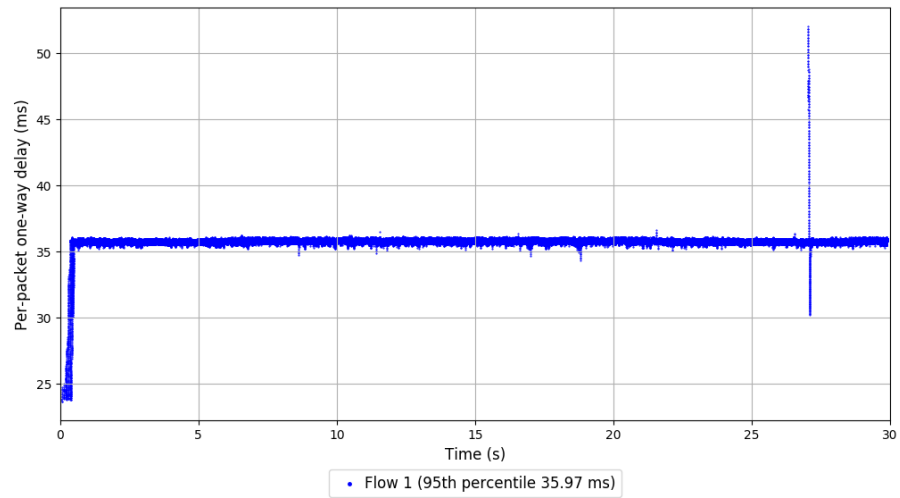
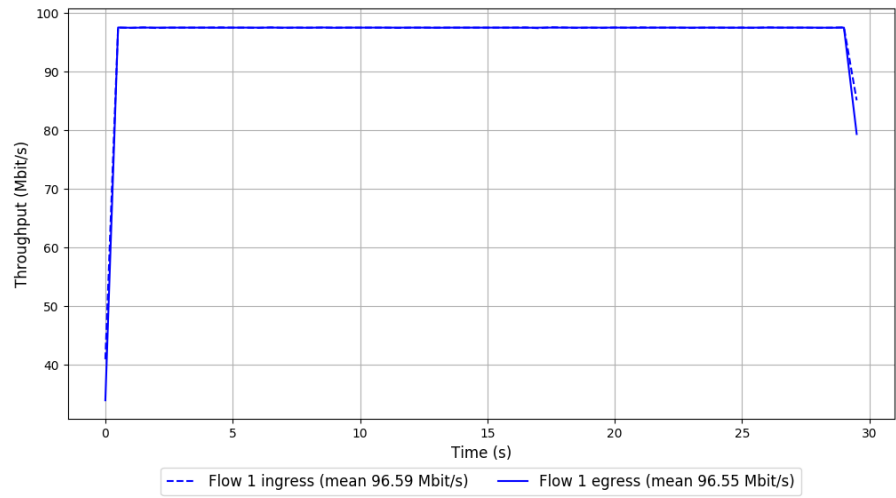
-- Flow 1:

Average throughput: 96.55 Mbit/s

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

Loss rate: 0.22%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-16 11:50:15

End at: 2018-01-16 11:50:45

Local clock offset: -0.245 ms

Remote clock offset: 2.167 ms

Below is generated by plot.py at 2018-01-16 18:25:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 35.363 ms

Loss rate: 0.23%

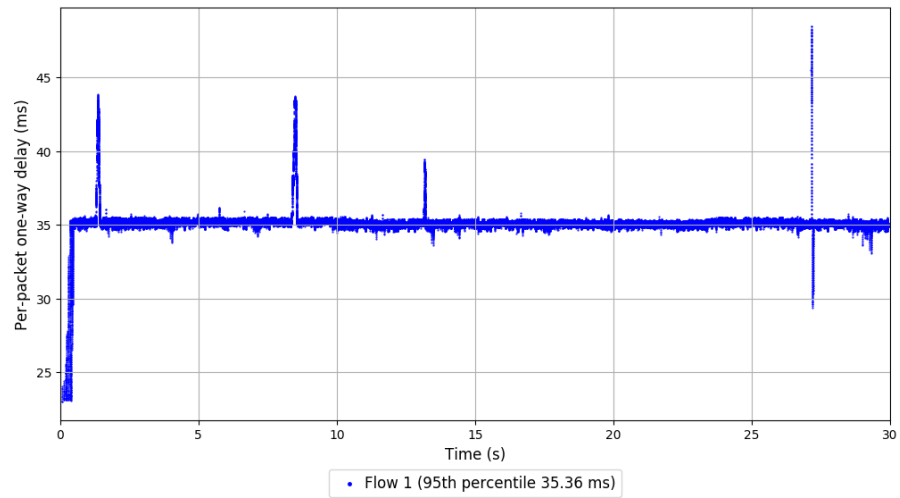
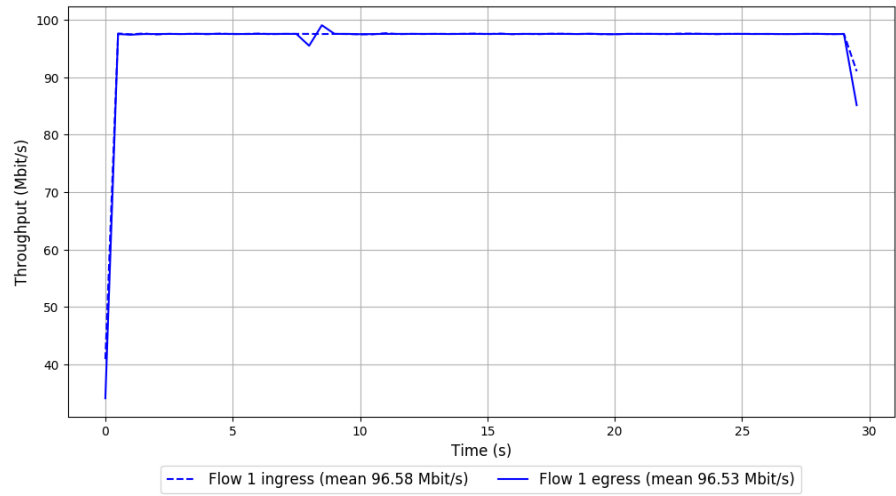
-- Flow 1:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 35.363 ms

Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-16 12:14:30

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

Local clock offset: -0.188 ms

Remote clock offset: 1.436 ms

Below is generated by plot.py at 2018-01-16 18:25:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 28.006 ms

Loss rate: 0.32%

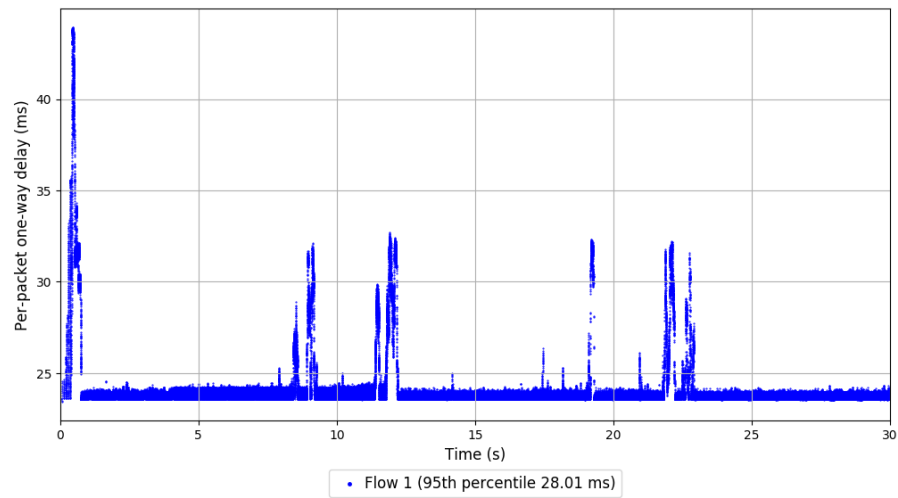
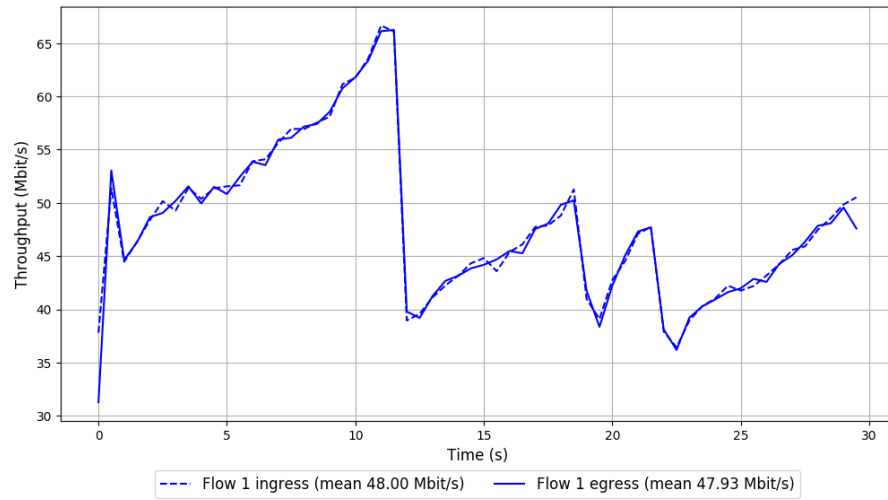
-- Flow 1:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 28.006 ms

Loss rate: 0.32%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-16 12:38:41

End at: 2018-01-16 12:39:11

Local clock offset: -0.228 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-01-16 18:26:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 35.936 ms

Loss rate: 0.25%

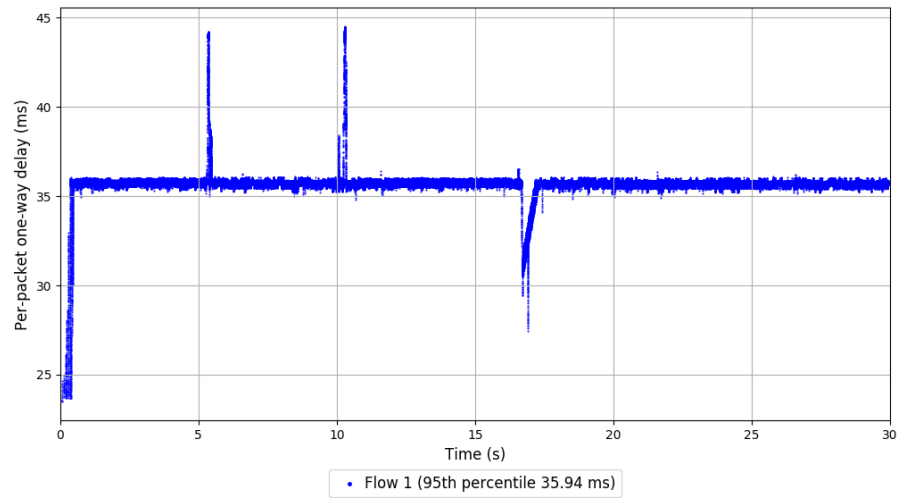
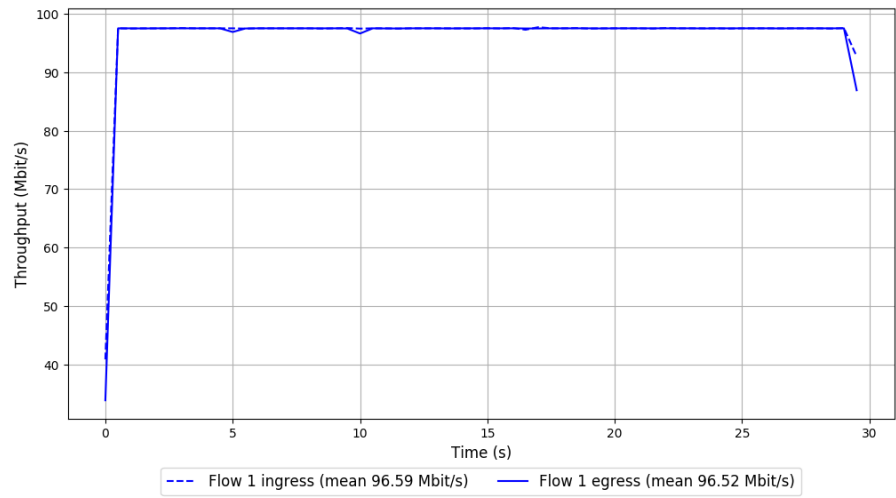
-- Flow 1:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 35.936 ms

Loss rate: 0.25%

Run 7: Report of TCP Cubic — Data Link

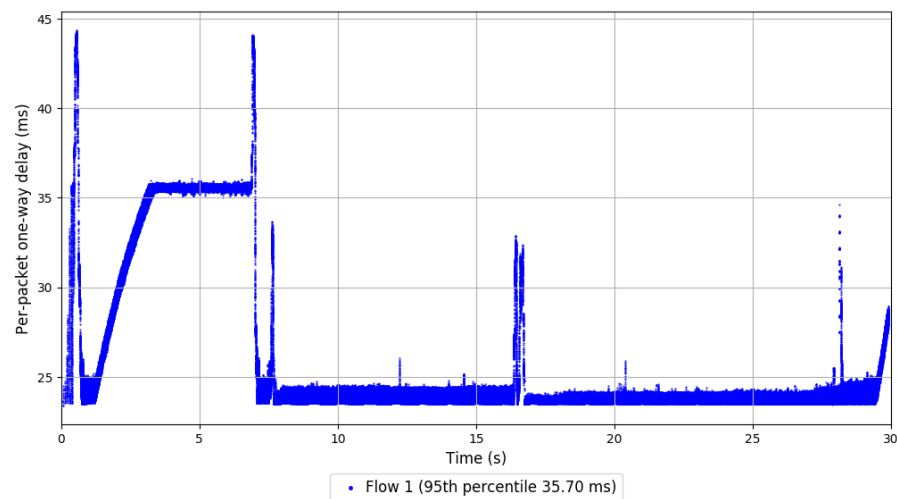
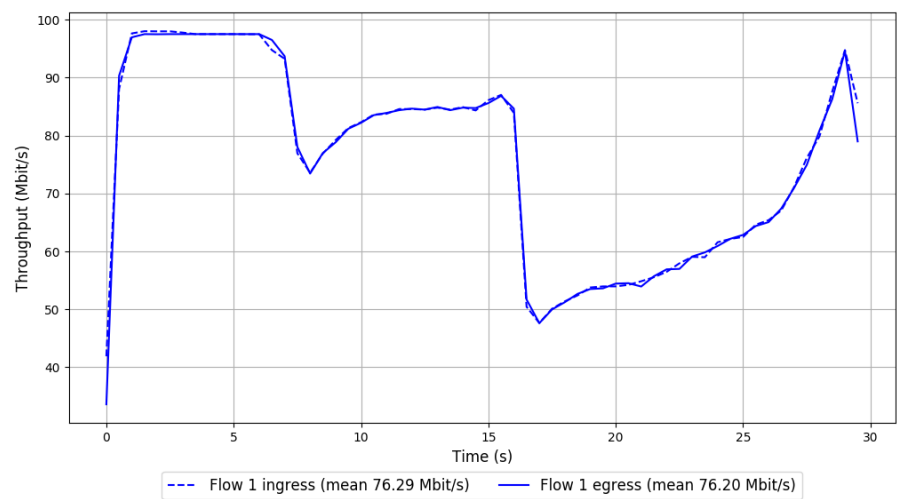


Run 8: Statistics of TCP Cubic

Start at: 2018-01-16 13:02:49
End at: 2018-01-16 13:03:19
Local clock offset: -0.28 ms
Remote clock offset: -1.693 ms

Below is generated by plot.py at 2018-01-16 18:26:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 35.702 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 35.702 ms
Loss rate: 0.29%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-16 13:27:02

End at: 2018-01-16 13:27:32

Local clock offset: -0.243 ms

Remote clock offset: -2.69 ms

Below is generated by plot.py at 2018-01-16 18:27:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 35.264 ms

Loss rate: 0.22%

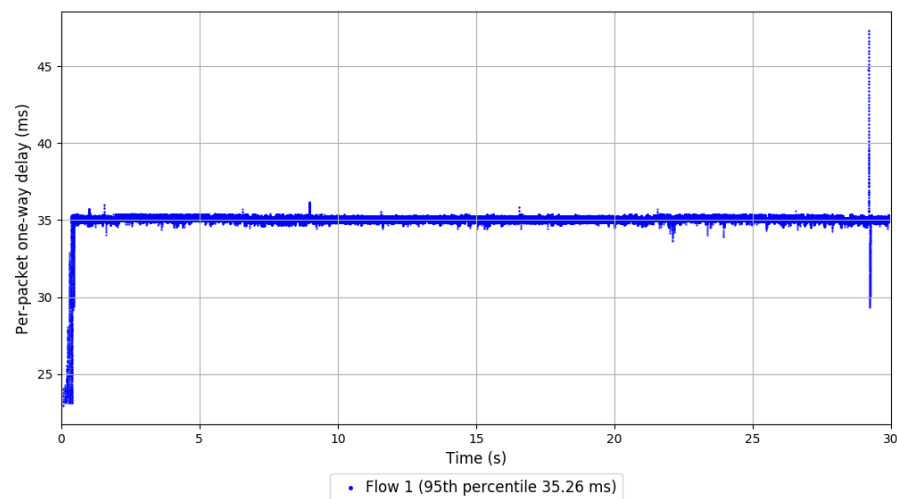
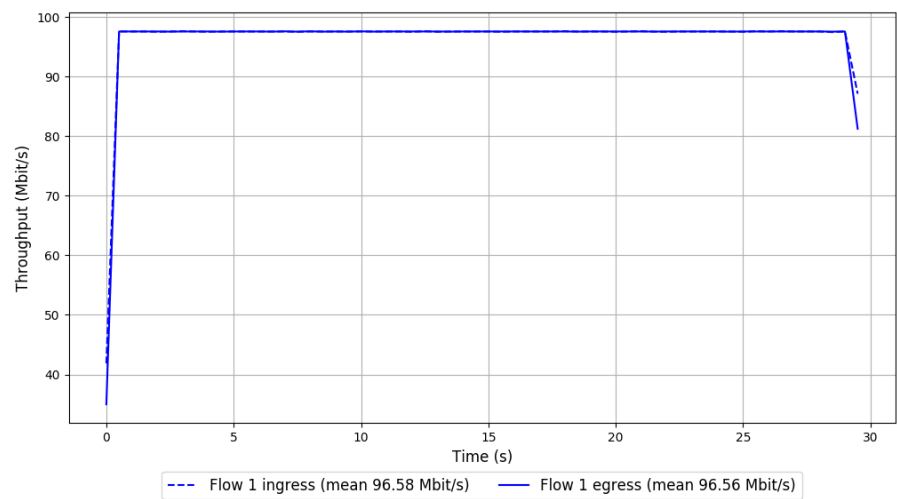
-- Flow 1:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 35.264 ms

Loss rate: 0.22%

Run 9: Report of TCP Cubic — Data Link

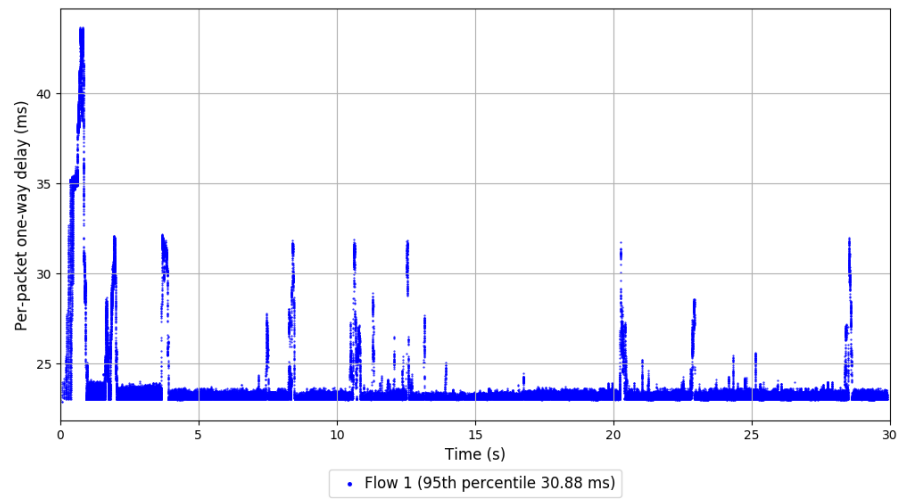
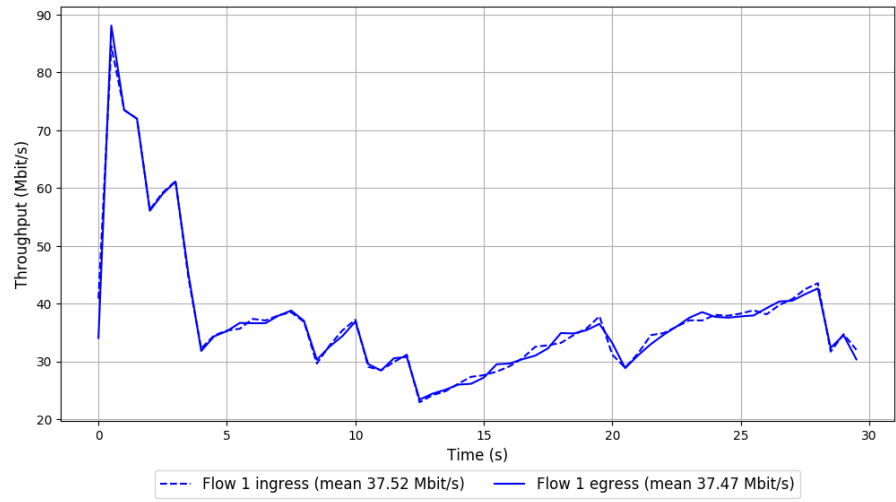


Run 10: Statistics of TCP Cubic

Start at: 2018-01-16 13:51:13
End at: 2018-01-16 13:51:43
Local clock offset: -0.257 ms
Remote clock offset: -3.352 ms

Below is generated by plot.py at 2018-01-16 18:27:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 30.877 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 30.877 ms
Loss rate: 0.30%

Run 10: Report of TCP Cubic — Data Link

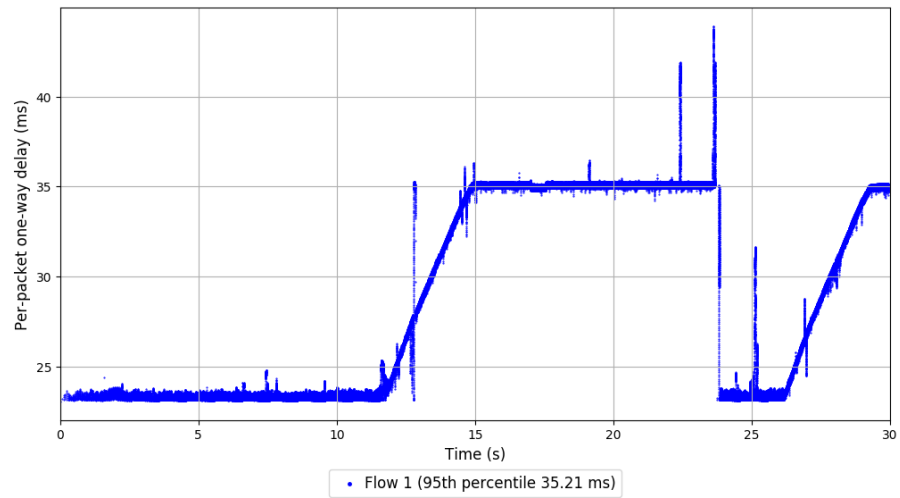
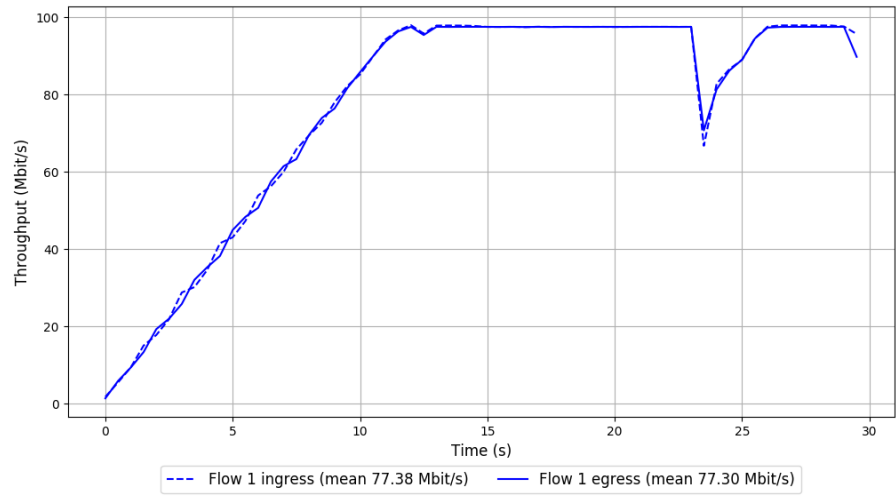


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-16 10:14:46
End at: 2018-01-16 10:15:16
Local clock offset: 0.012 ms
Remote clock offset: -0.443 ms

# Below is generated by plot.py at 2018-01-16 18:27:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 35.207 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 35.207 ms
Loss rate: 0.28%
```


Run 1: Report of LEDBAT — Data Link

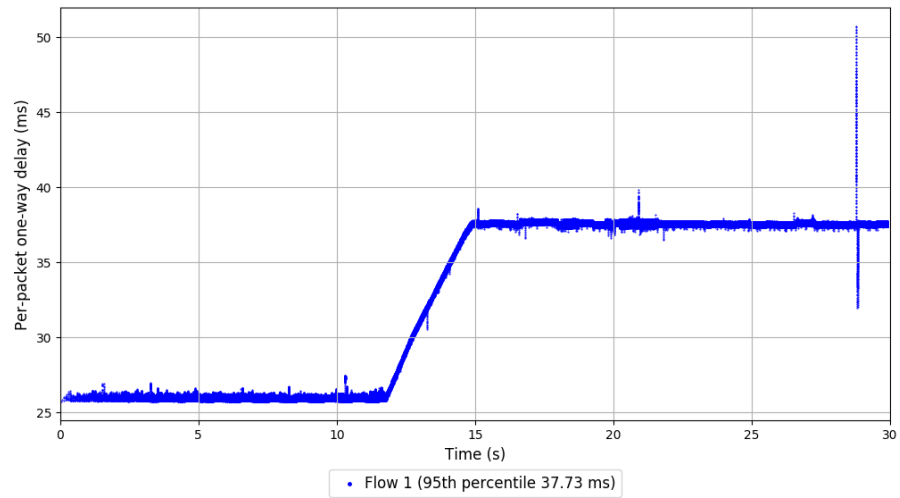
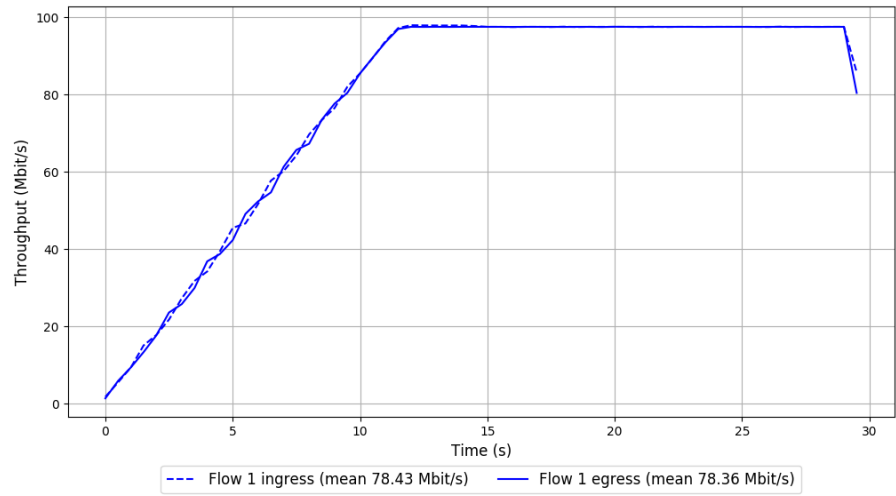


Run 2: Statistics of LEDBAT

Start at: 2018-01-16 10:39:04
End at: 2018-01-16 10:39:34
Local clock offset: -0.162 ms
Remote clock offset: -2.198 ms

Below is generated by plot.py at 2018-01-16 18:27:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 37.734 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 37.734 ms
Loss rate: 0.27%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-16 11:03:08

End at: 2018-01-16 11:03:39

Local clock offset: -0.223 ms

Remote clock offset: 0.686 ms

Below is generated by plot.py at 2018-01-16 18:27:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.57 Mbit/s

95th percentile per-packet one-way delay: 24.314 ms

Loss rate: 0.36%

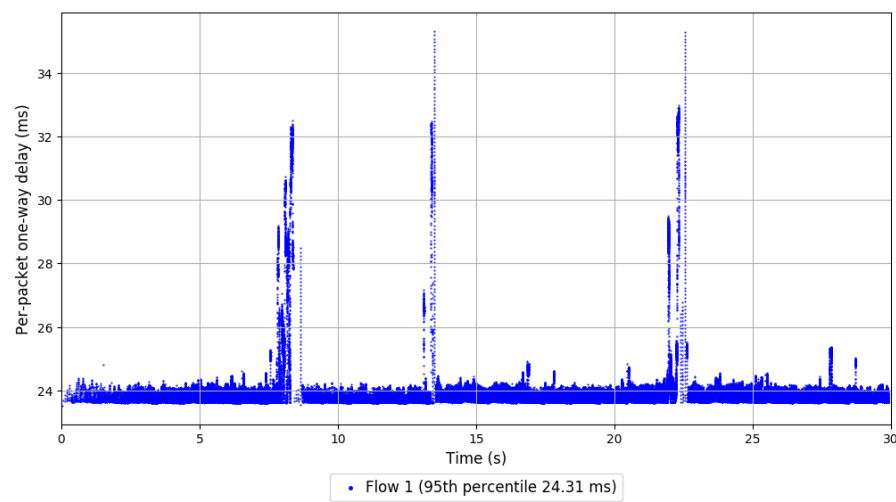
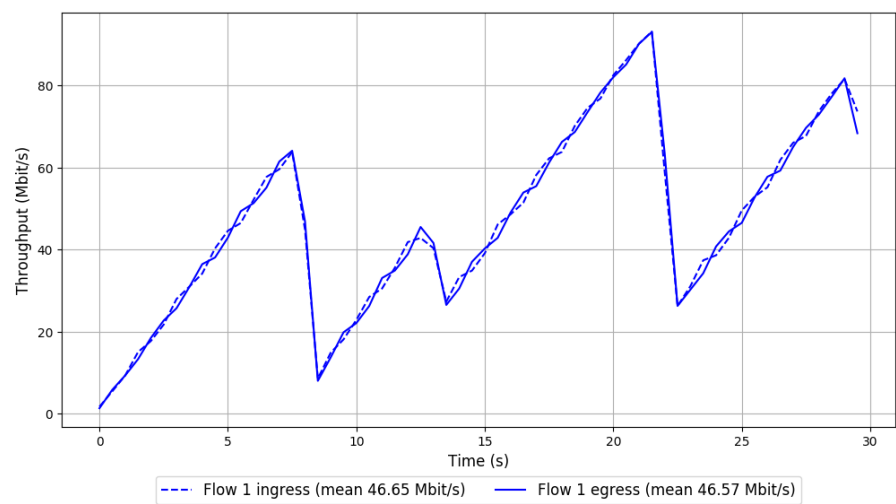
-- Flow 1:

Average throughput: 46.57 Mbit/s

95th percentile per-packet one-way delay: 24.314 ms

Loss rate: 0.36%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-16 11:27:15

End at: 2018-01-16 11:27:45

Local clock offset: -0.192 ms

Remote clock offset: 1.688 ms

Below is generated by plot.py at 2018-01-16 18:27:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.17 Mbit/s

95th percentile per-packet one-way delay: 35.174 ms

Loss rate: 0.22%

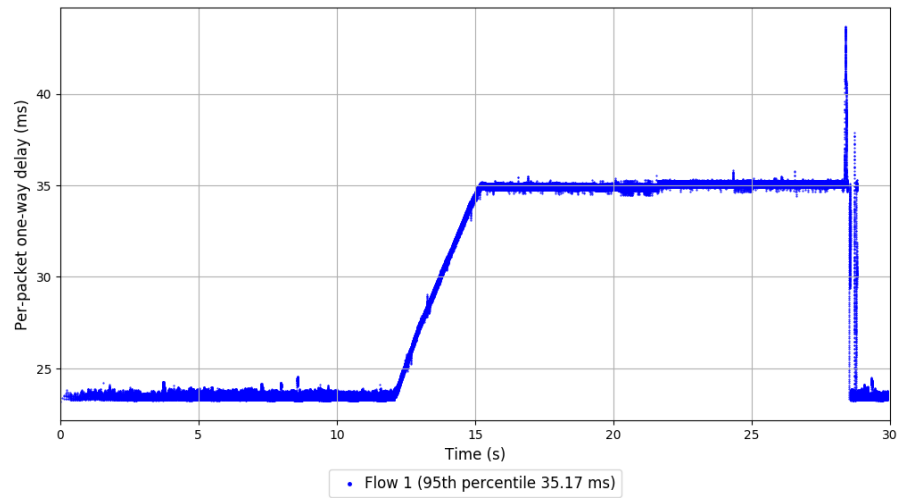
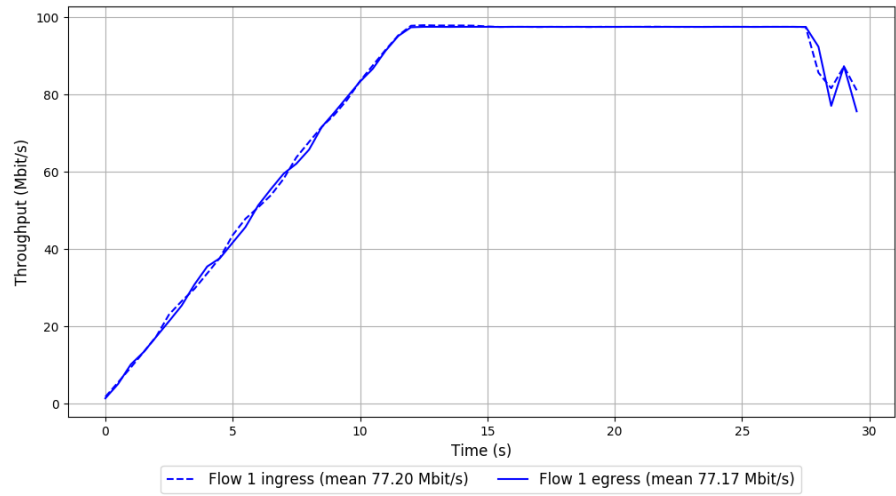
-- Flow 1:

Average throughput: 77.17 Mbit/s

95th percentile per-packet one-way delay: 35.174 ms

Loss rate: 0.22%

Run 4: Report of LEDBAT — Data Link

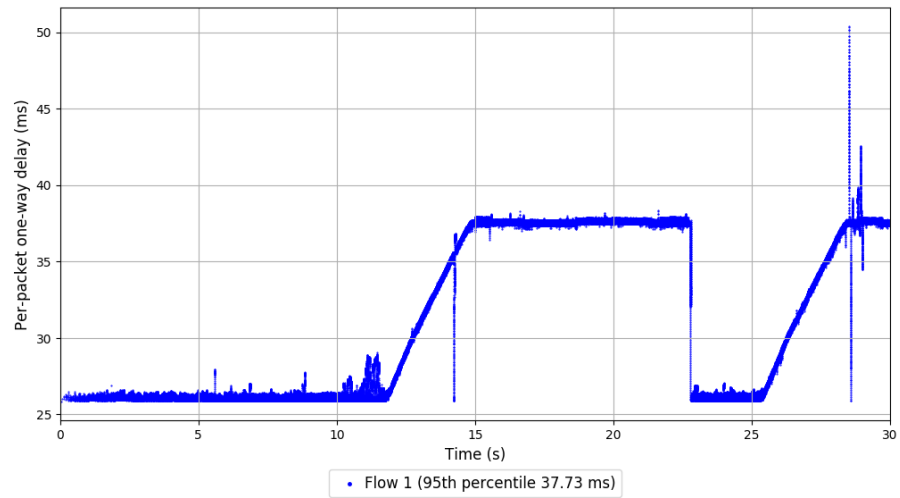
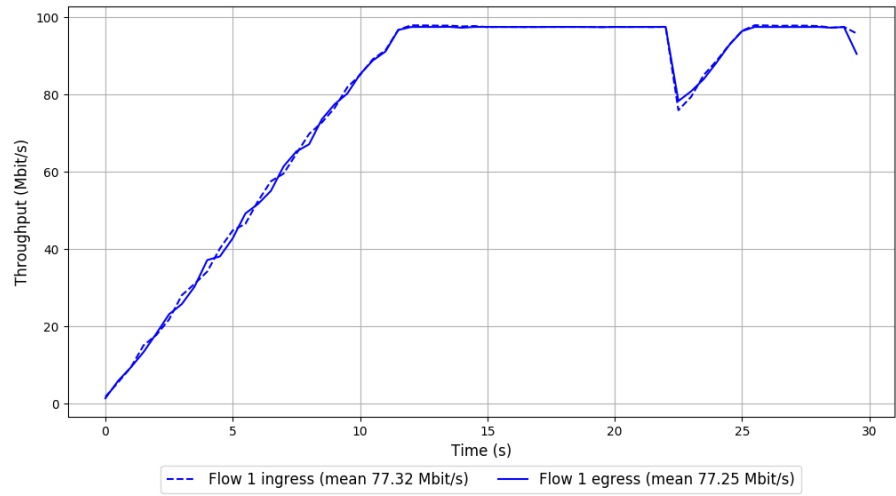


Run 5: Statistics of LEDBAT

Start at: 2018-01-16 11:51:35
End at: 2018-01-16 11:52:05
Local clock offset: -0.167 ms
Remote clock offset: -0.507 ms

Below is generated by plot.py at 2018-01-16 18:27:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 37.725 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 37.725 ms
Loss rate: 0.27%

Run 5: Report of LEDBAT — Data Link

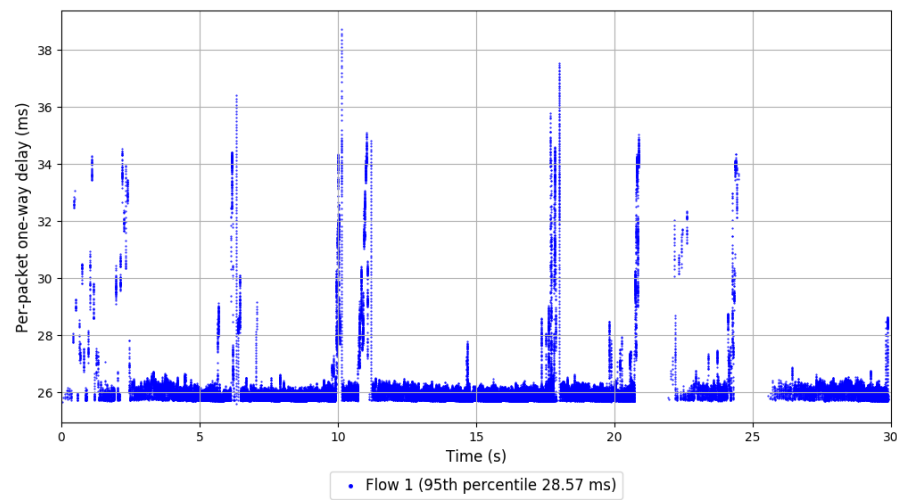
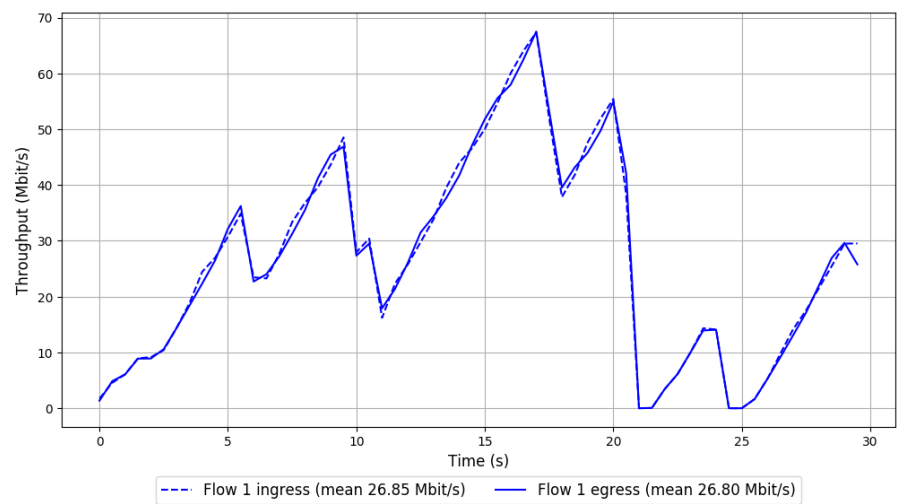


Run 6: Statistics of LEDBAT

Start at: 2018-01-16 12:15:49
End at: 2018-01-16 12:16:19
Local clock offset: -0.185 ms
Remote clock offset: -0.768 ms

Below is generated by plot.py at 2018-01-16 18:27:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 28.570 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 28.570 ms
Loss rate: 0.36%

Run 6: Report of LEDBAT — Data Link

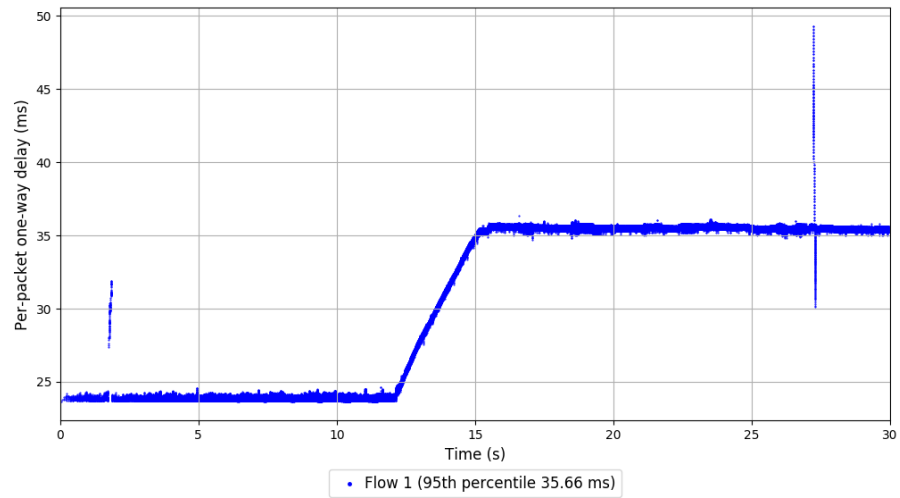
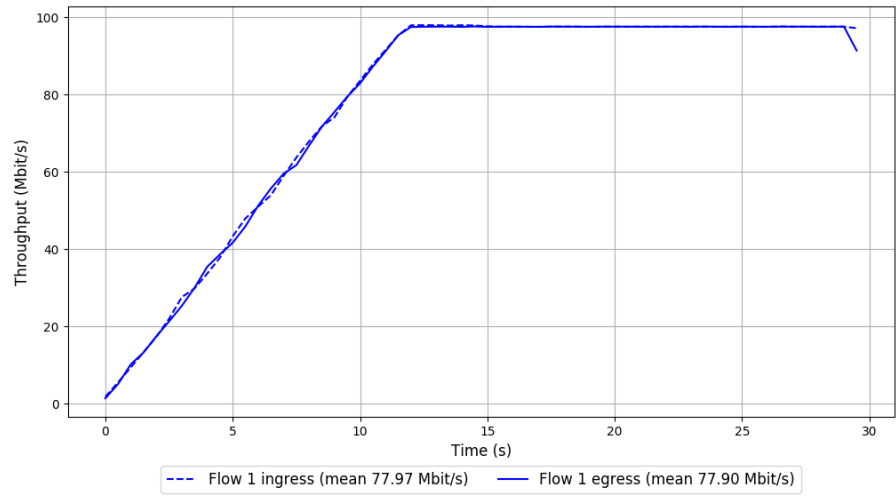


Run 7: Statistics of LEDBAT

Start at: 2018-01-16 12:40:01
End at: 2018-01-16 12:40:31
Local clock offset: -0.261 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-01-16 18:27:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 35.665 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 35.665 ms
Loss rate: 0.27%

Run 7: Report of LEDBAT — Data Link

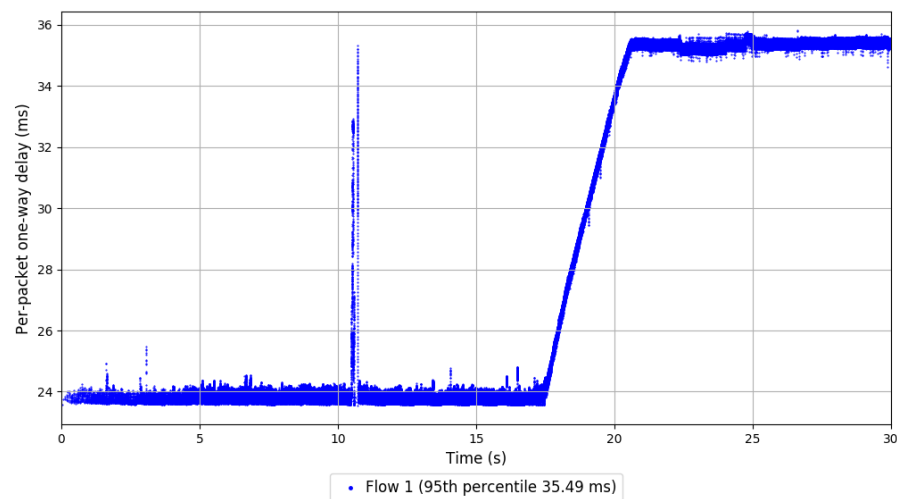
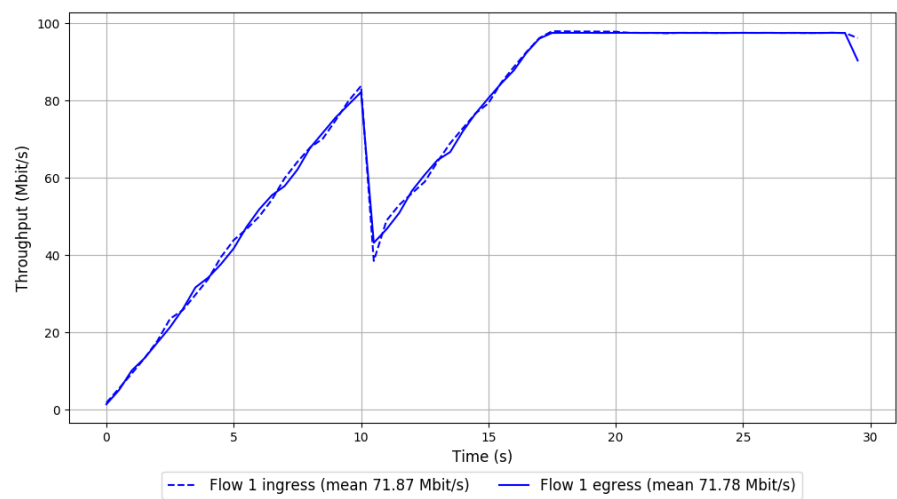


Run 8: Statistics of LEDBAT

Start at: 2018-01-16 13:04:08
End at: 2018-01-16 13:04:38
Local clock offset: -0.161 ms
Remote clock offset: -1.813 ms

Below is generated by plot.py at 2018-01-16 18:27:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.78 Mbit/s
95th percentile per-packet one-way delay: 35.495 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 71.78 Mbit/s
95th percentile per-packet one-way delay: 35.495 ms
Loss rate: 0.30%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-16 13:28:23

End at: 2018-01-16 13:28:53

Local clock offset: -0.226 ms

Remote clock offset: -5.33 ms

Below is generated by plot.py at 2018-01-16 18:28:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.87 Mbit/s

95th percentile per-packet one-way delay: 37.586 ms

Loss rate: 0.27%

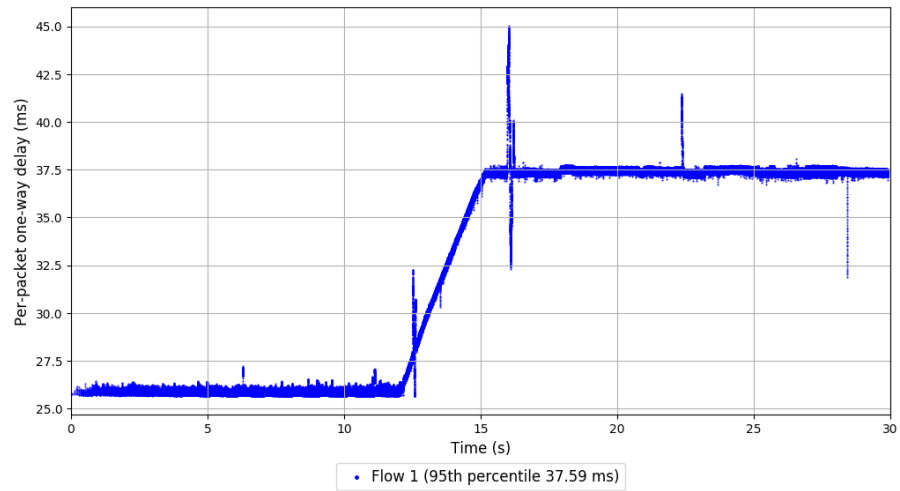
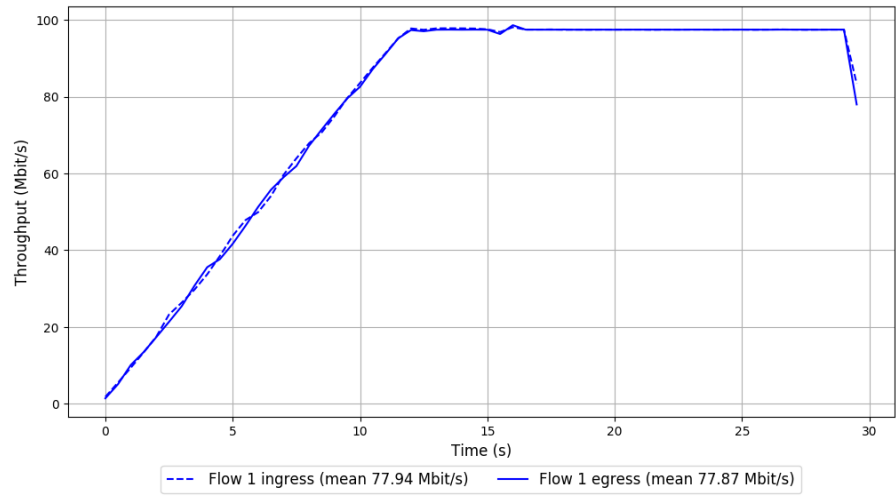
-- Flow 1:

Average throughput: 77.87 Mbit/s

95th percentile per-packet one-way delay: 37.586 ms

Loss rate: 0.27%

Run 9: Report of LEDBAT — Data Link

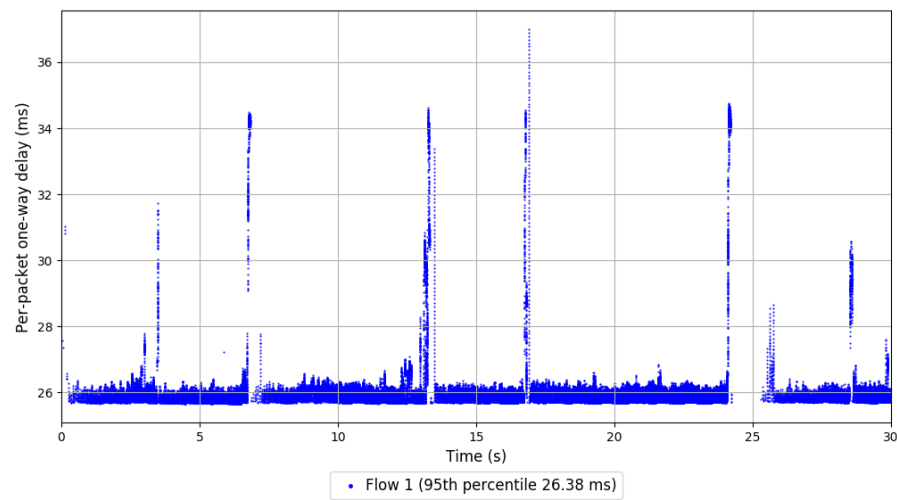
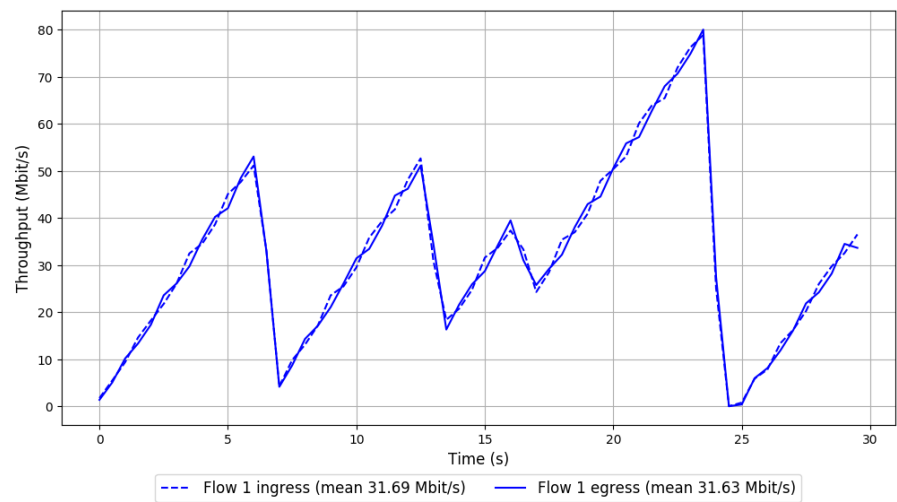


Run 10: Statistics of LEDBAT

Start at: 2018-01-16 13:52:31
End at: 2018-01-16 13:53:01
Local clock offset: -0.331 ms
Remote clock offset: -6.024 ms

Below is generated by plot.py at 2018-01-16 18:28:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 26.383 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 26.383 ms
Loss rate: 0.37%

Run 10: Report of LEDBAT — Data Link

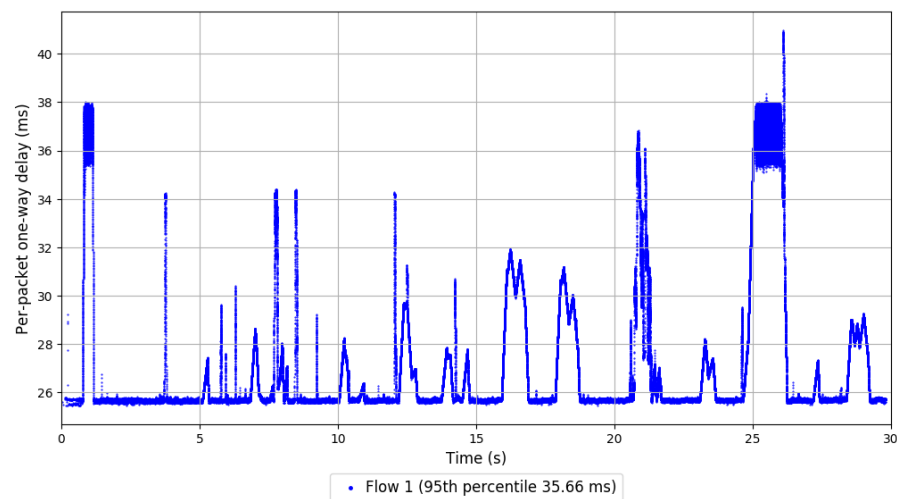
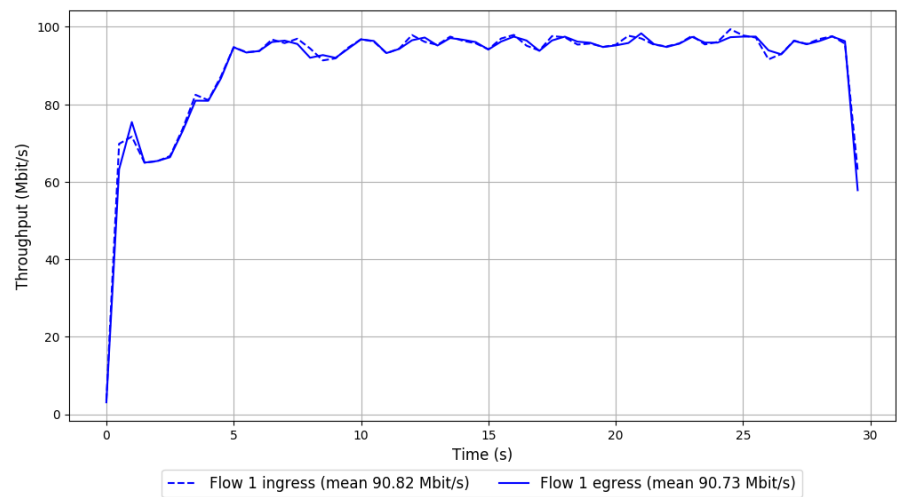


Run 1: Statistics of PCC

Start at: 2018-01-16 10:22:53
End at: 2018-01-16 10:23:23
Local clock offset: -0.06 ms
Remote clock offset: -2.735 ms

Below is generated by plot.py at 2018-01-16 18:28:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 35.658 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 35.658 ms
Loss rate: 0.28%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-16 10:47:11

End at: 2018-01-16 10:47:41

Local clock offset: -0.167 ms

Remote clock offset: 0.187 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.11 Mbit/s

95th percentile per-packet one-way delay: 31.975 ms

Loss rate: 0.20%

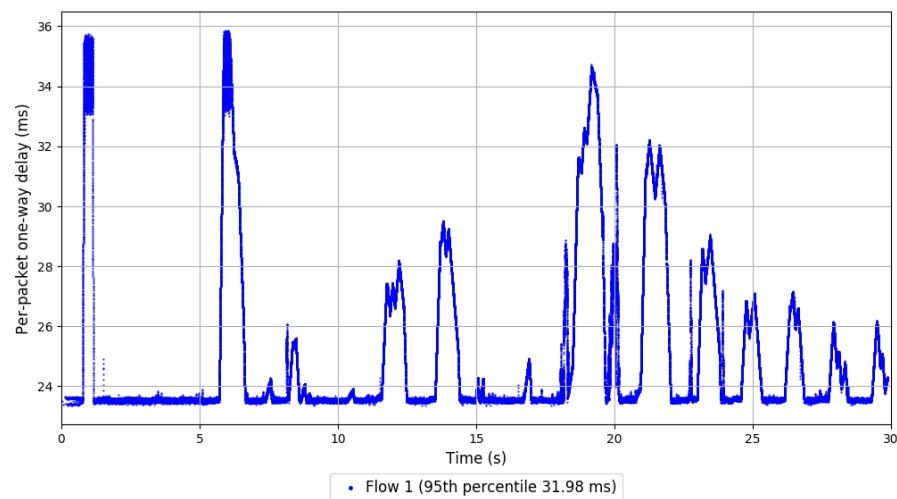
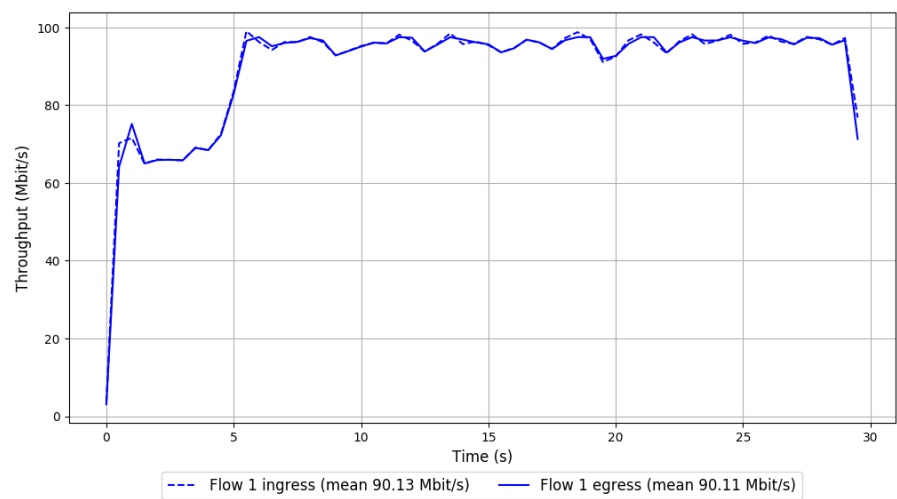
-- Flow 1:

Average throughput: 90.11 Mbit/s

95th percentile per-packet one-way delay: 31.975 ms

Loss rate: 0.20%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-16 11:11:14

End at: 2018-01-16 11:11:44

Local clock offset: -0.218 ms

Remote clock offset: 0.86 ms

Below is generated by plot.py at 2018-01-16 18:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 29.376 ms

Loss rate: 0.19%

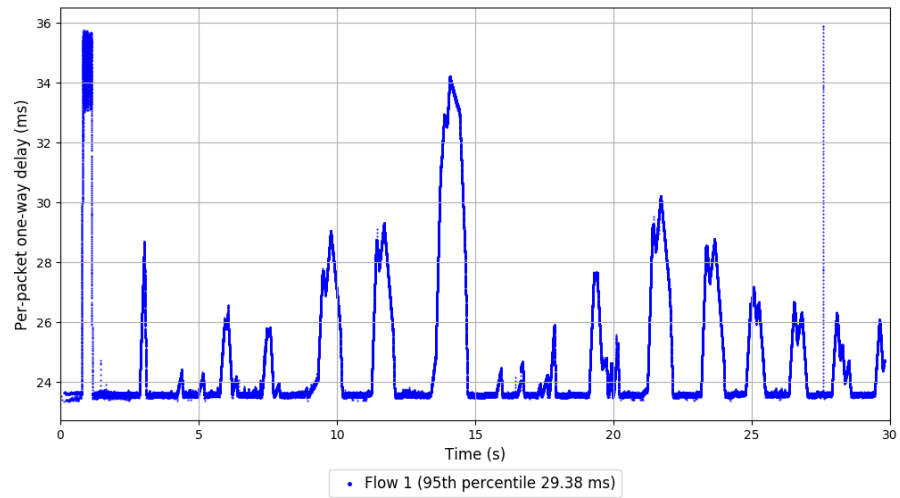
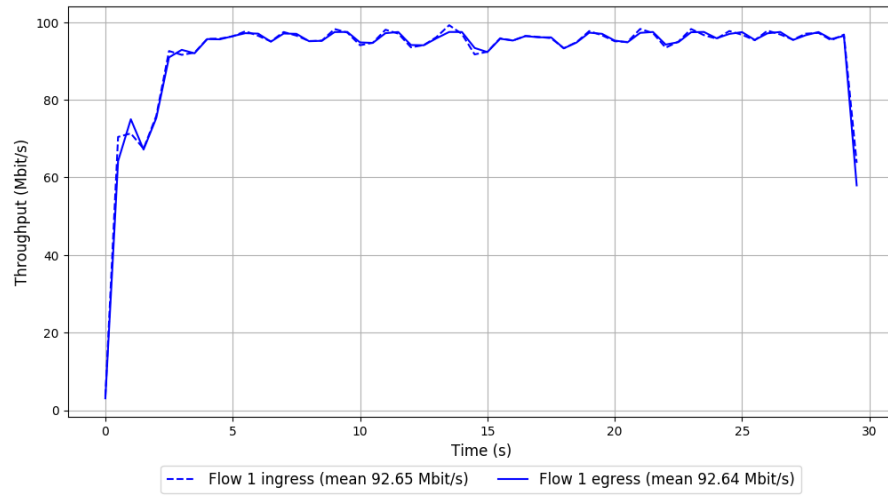
-- Flow 1:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 29.376 ms

Loss rate: 0.19%

Run 3: Report of PCC — Data Link

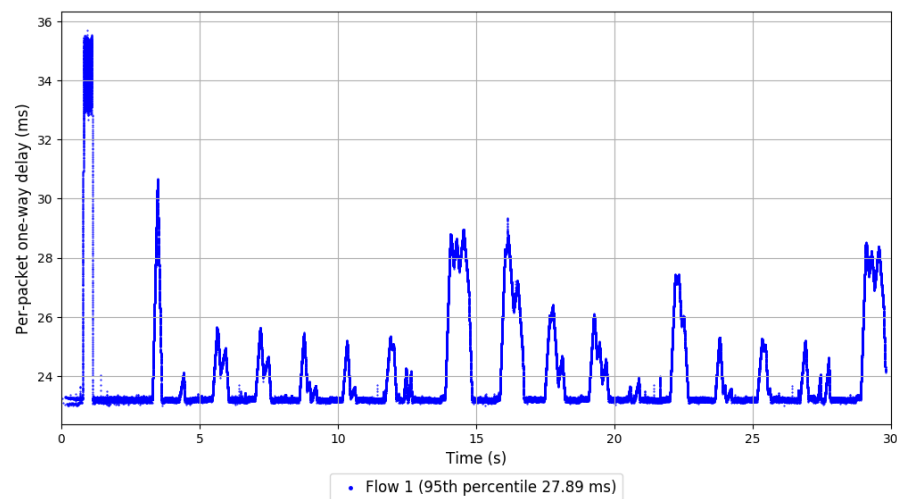
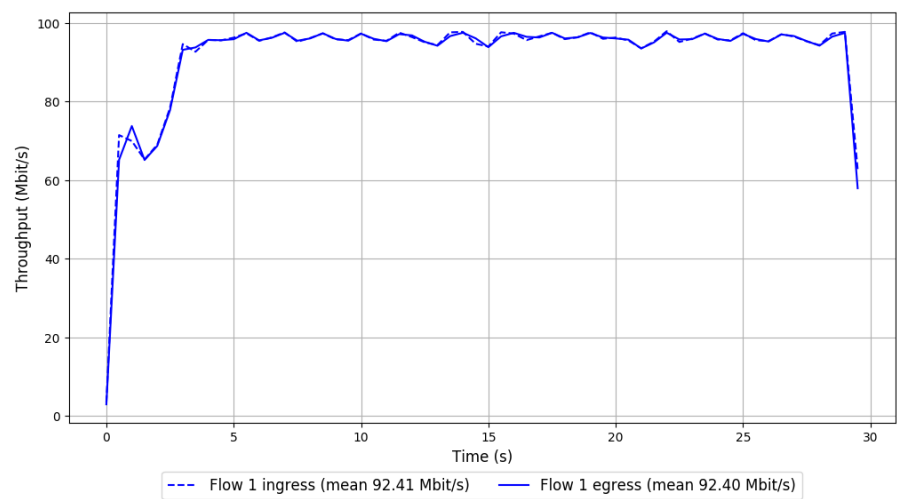


Run 4: Statistics of PCC

Start at: 2018-01-16 11:35:30
End at: 2018-01-16 11:36:00
Local clock offset: -0.215 ms
Remote clock offset: 1.83 ms

Below is generated by plot.py at 2018-01-16 18:28:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 27.889 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 27.889 ms
Loss rate: 0.19%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-16 11:59:50

End at: 2018-01-16 12:00:20

Local clock offset: -0.219 ms

Remote clock offset: 1.772 ms

Below is generated by plot.py at 2018-01-16 18:28:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 27.595 ms

Loss rate: 0.22%

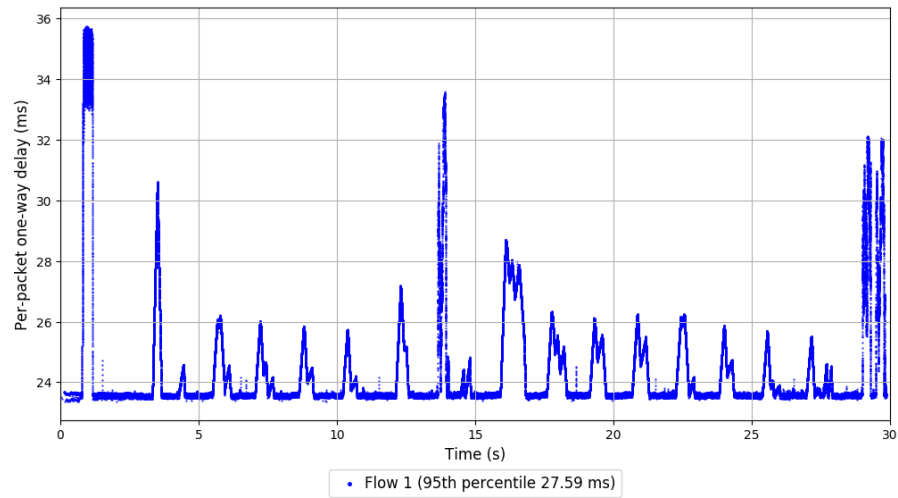
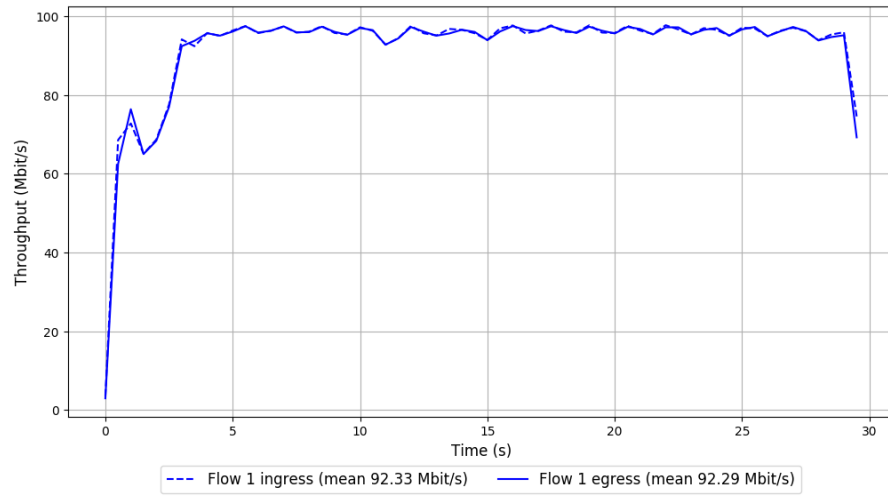
-- Flow 1:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 27.595 ms

Loss rate: 0.22%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-16 12:24:02

End at: 2018-01-16 12:24:32

Local clock offset: -0.2 ms

Remote clock offset: 1.001 ms

Below is generated by plot.py at 2018-01-16 18:28:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.62 Mbit/s

95th percentile per-packet one-way delay: 29.615 ms

Loss rate: 0.24%

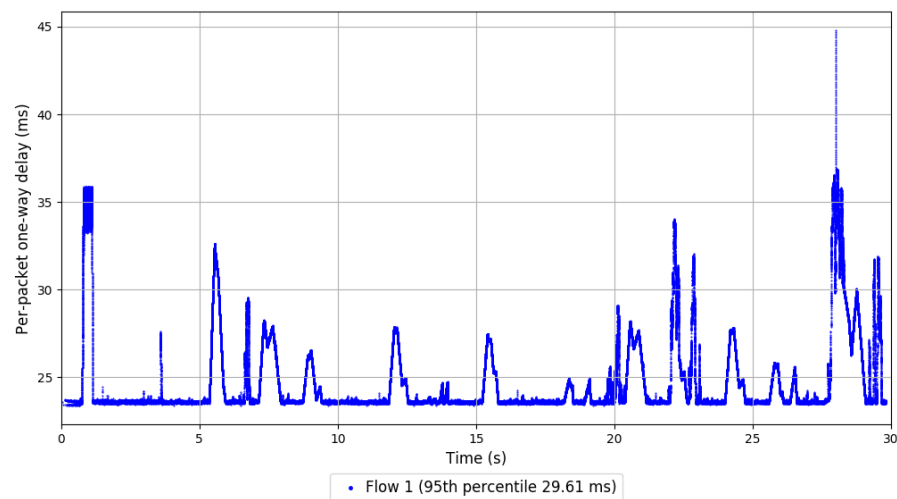
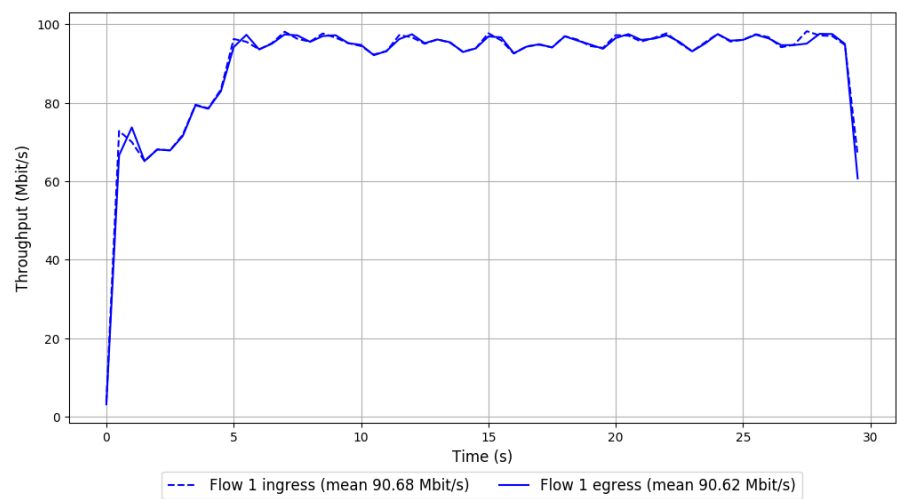
-- Flow 1:

Average throughput: 90.62 Mbit/s

95th percentile per-packet one-way delay: 29.615 ms

Loss rate: 0.24%

Run 6: Report of PCC — Data Link

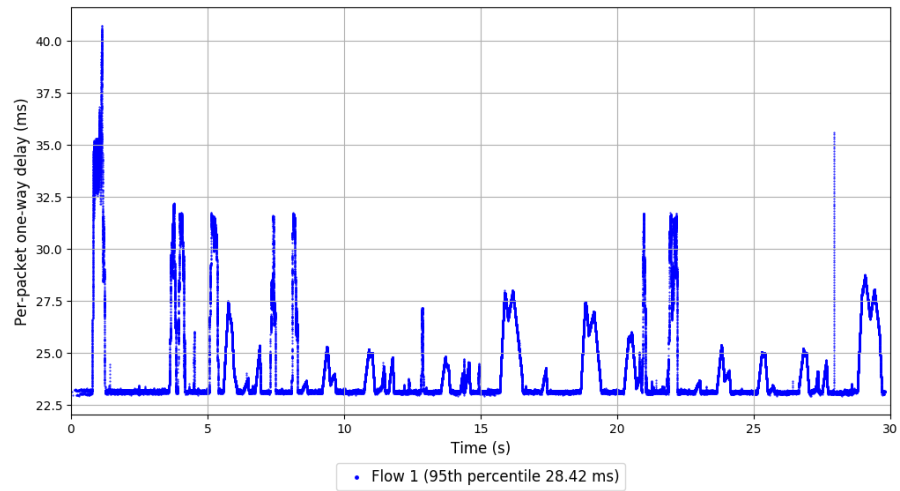
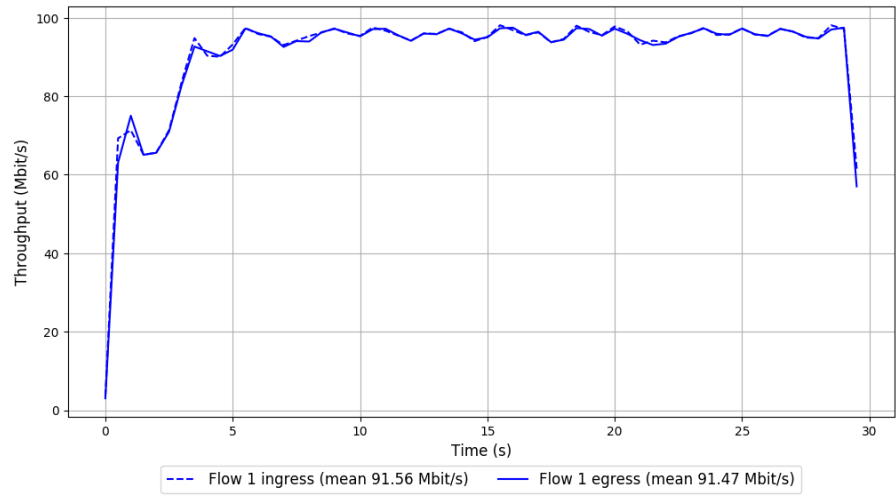


Run 7: Statistics of PCC

Start at: 2018-01-16 12:48:07
End at: 2018-01-16 12:48:37
Local clock offset: -0.274 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-01-16 18:28:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 28.420 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 28.420 ms
Loss rate: 0.27%

Run 7: Report of PCC — Data Link

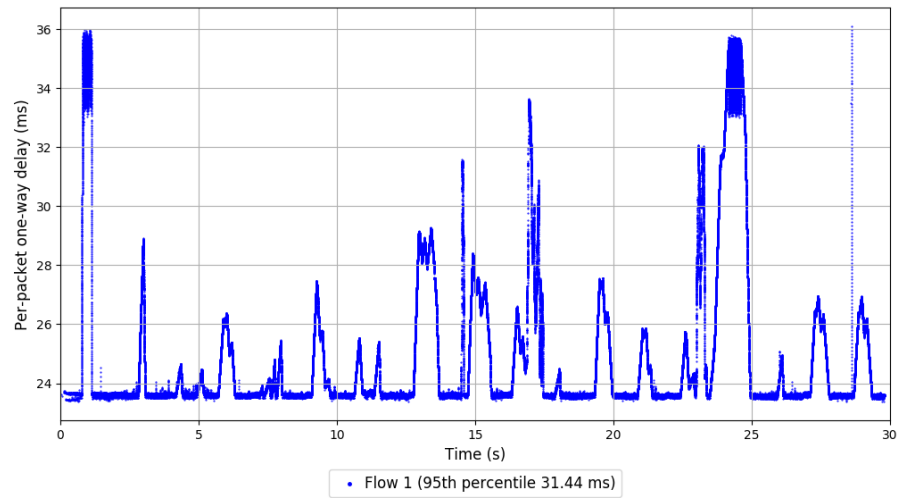
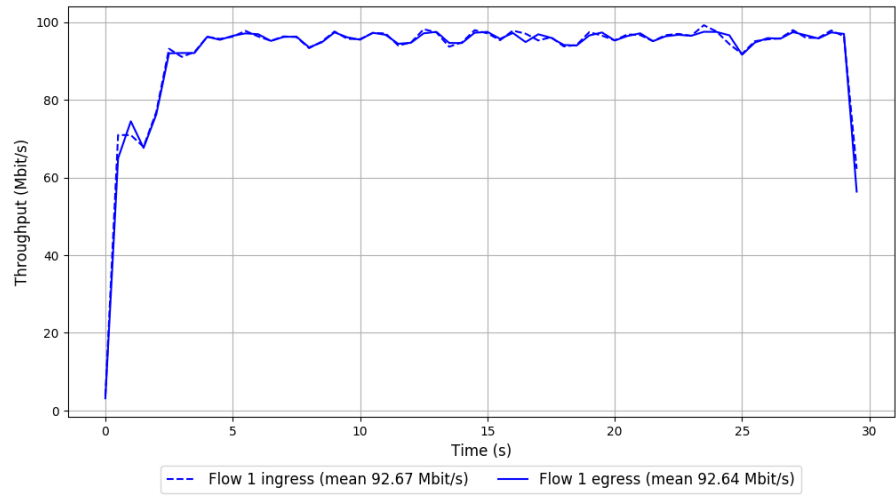


Run 8: Statistics of PCC

Start at: 2018-01-16 13:12:17
End at: 2018-01-16 13:12:47
Local clock offset: -0.303 ms
Remote clock offset: -2.437 ms

Below is generated by plot.py at 2018-01-16 18:29:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 31.437 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 31.437 ms
Loss rate: 0.21%

Run 8: Report of PCC — Data Link

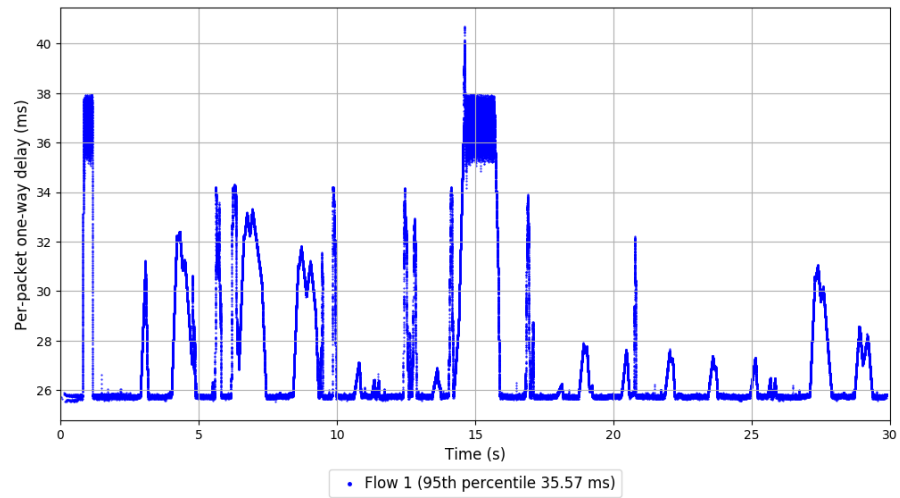
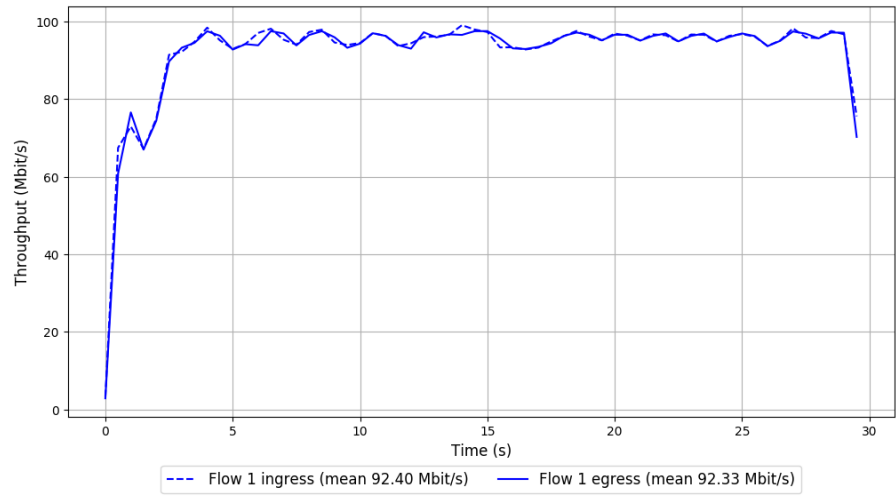


Run 9: Statistics of PCC

Start at: 2018-01-16 13:36:30
End at: 2018-01-16 13:37:00
Local clock offset: -0.263 ms
Remote clock offset: -5.763 ms

Below is generated by plot.py at 2018-01-16 18:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 35.573 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 35.573 ms
Loss rate: 0.26%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-16 14:00:44

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

Local clock offset: -0.209 ms

Remote clock offset: -5.85 ms

Below is generated by plot.py at 2018-01-16 18:29:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.02 Mbit/s

95th percentile per-packet one-way delay: 31.053 ms

Loss rate: 0.26%

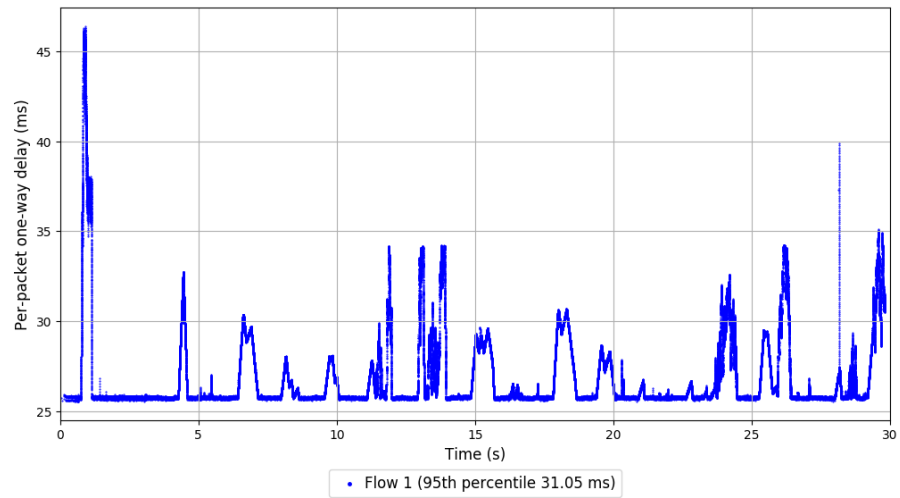
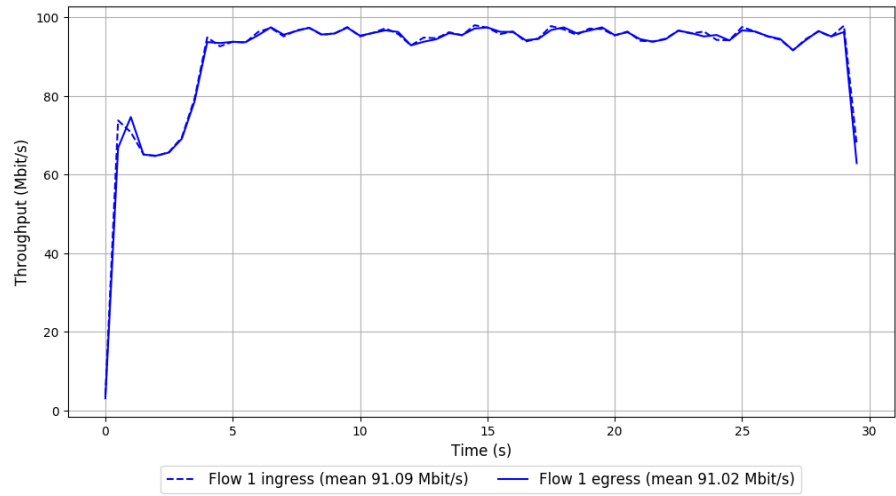
-- Flow 1:

Average throughput: 91.02 Mbit/s

95th percentile per-packet one-way delay: 31.053 ms

Loss rate: 0.26%

Run 10: Report of PCC — Data Link

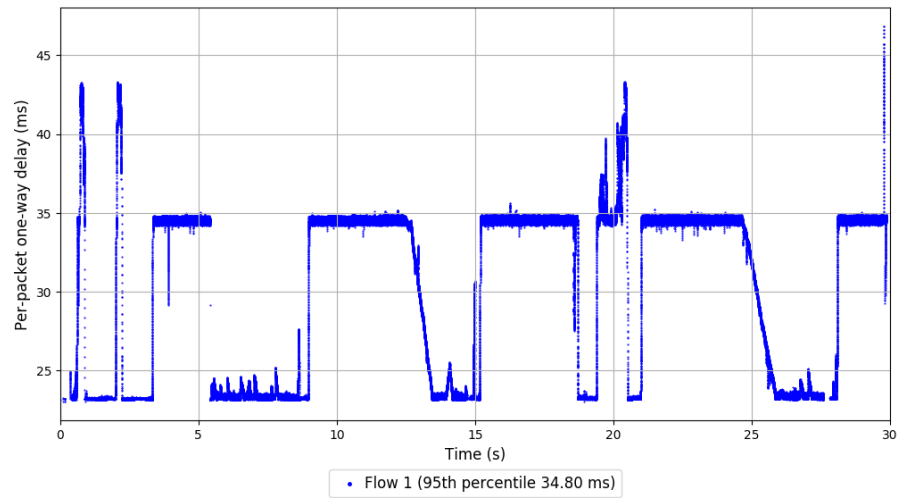
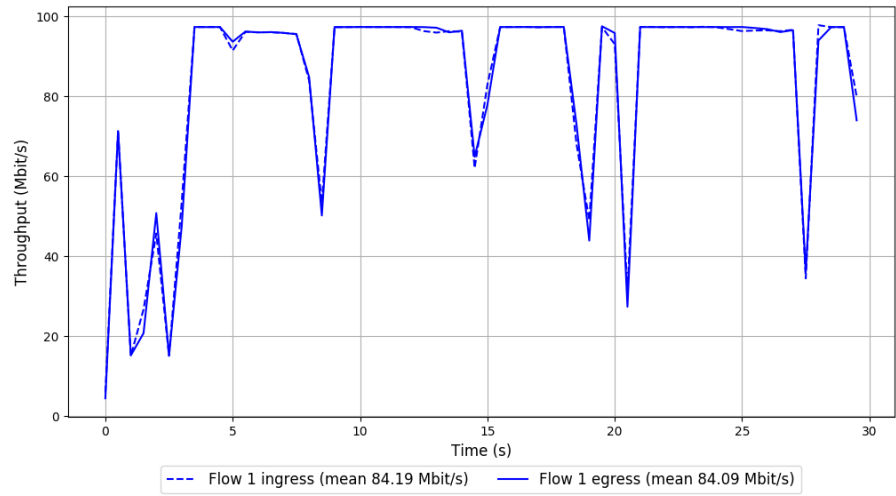


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 10:17:31
End at: 2018-01-16 10:18:01
Local clock offset: -0.091 ms
Remote clock offset: -0.472 ms

Below is generated by plot.py at 2018-01-16 18:29:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 34.800 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 34.800 ms
Loss rate: 0.30%

Run 1: Report of QUIC Cubic — Data Link

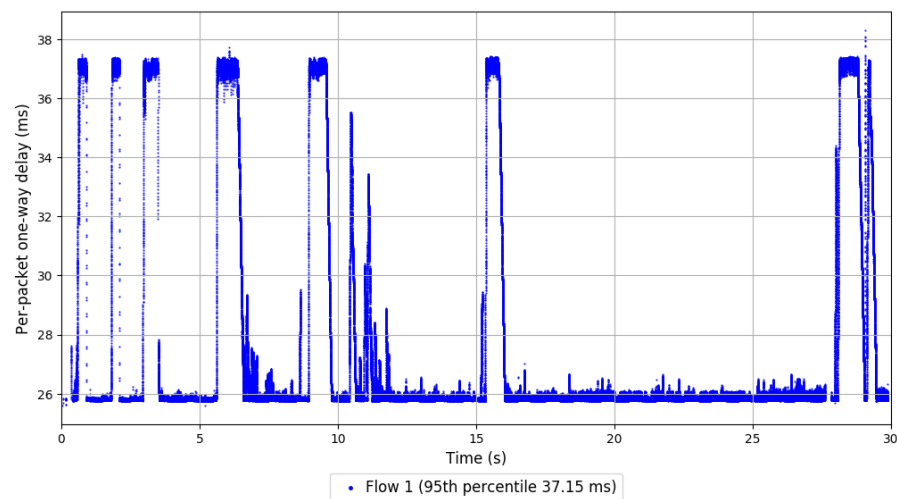
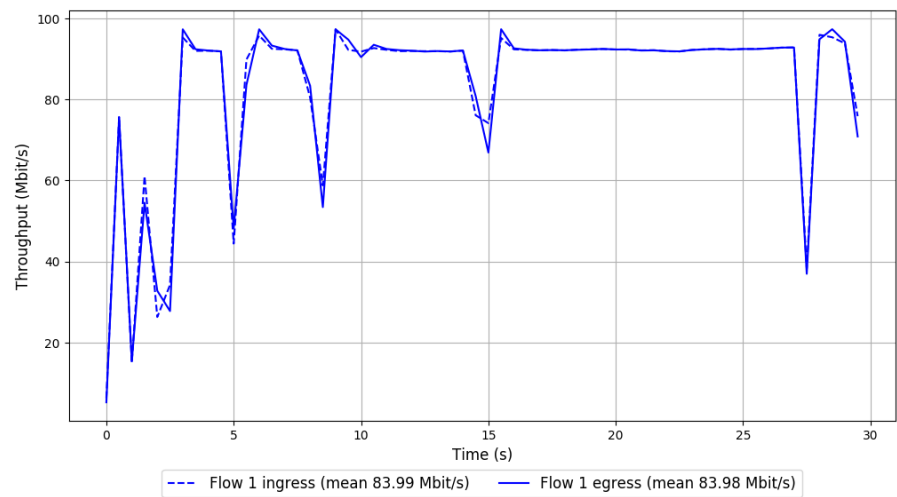


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 10:41:48
End at: 2018-01-16 10:42:18
Local clock offset: -0.152 ms
Remote clock offset: -2.139 ms

Below is generated by plot.py at 2018-01-16 18:30:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 37.148 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 37.148 ms
Loss rate: 0.20%

Run 2: Report of QUIC Cubic — Data Link

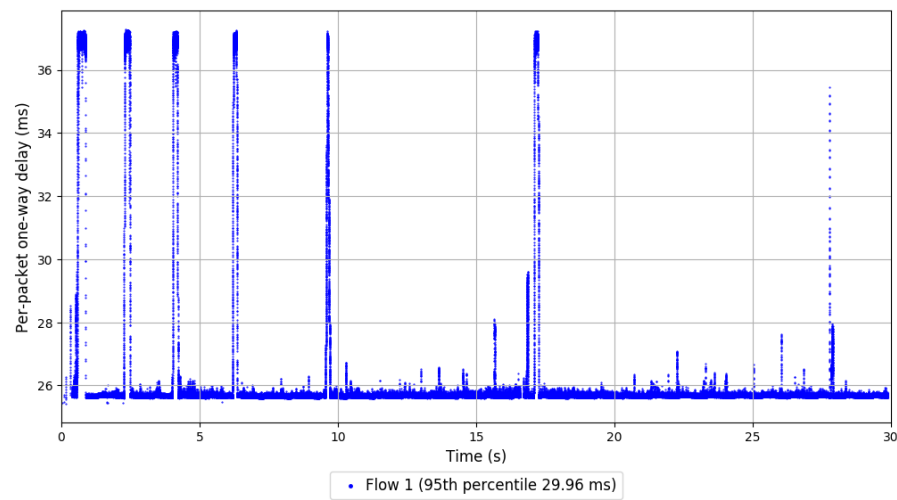
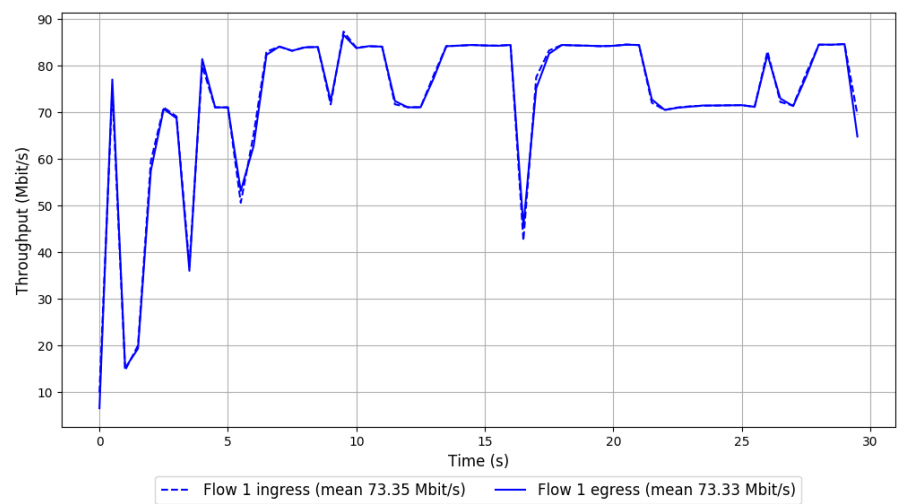


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-16 11:05:51
End at: 2018-01-16 11:06:21
Local clock offset: -0.315 ms
Remote clock offset: -1.411 ms

Below is generated by plot.py at 2018-01-16 18:30:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 29.962 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 29.962 ms
Loss rate: 0.21%

Run 3: Report of QUIC Cubic — Data Link

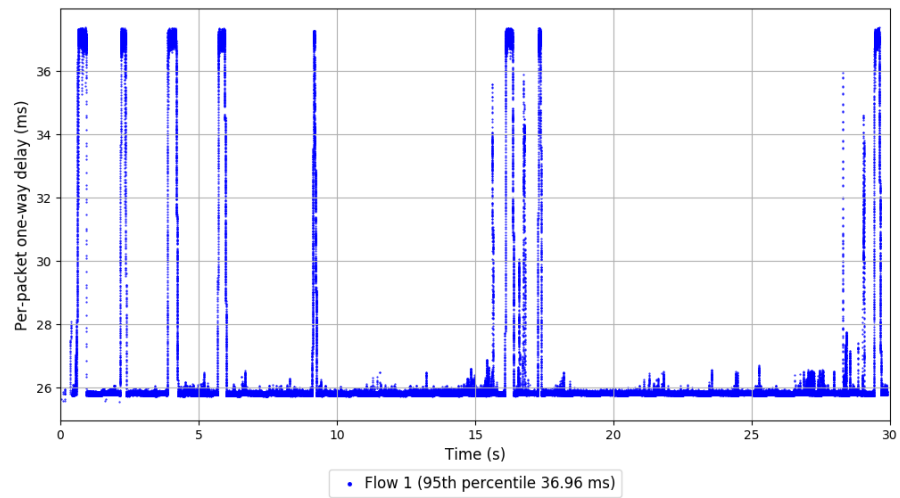
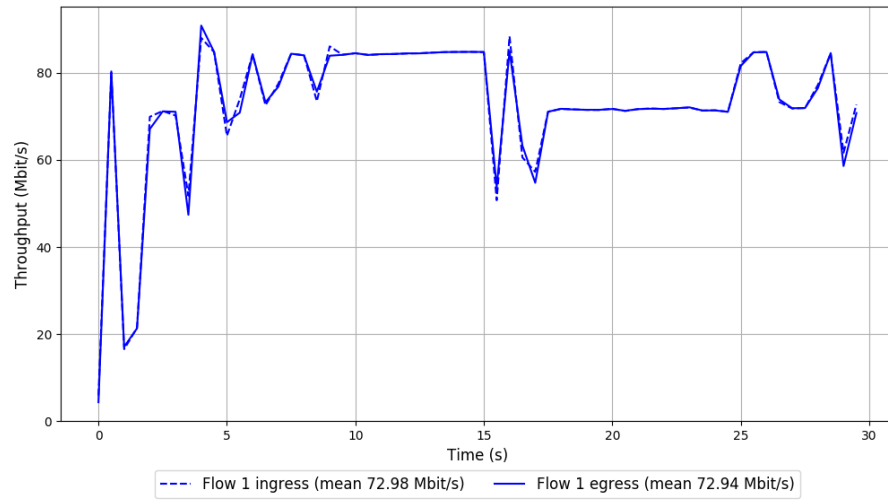


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-16 11:30:00
End at: 2018-01-16 11:30:30
Local clock offset: -0.298 ms
Remote clock offset: -0.796 ms

Below is generated by plot.py at 2018-01-16 18:30:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.94 Mbit/s
95th percentile per-packet one-way delay: 36.959 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 72.94 Mbit/s
95th percentile per-packet one-way delay: 36.959 ms
Loss rate: 0.23%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-16 11:54:20

End at: 2018-01-16 11:54:50

Local clock offset: -0.147 ms

Remote clock offset: 1.746 ms

Below is generated by plot.py at 2018-01-16 18:30:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.15 Mbit/s

95th percentile per-packet one-way delay: 34.882 ms

Loss rate: 0.28%

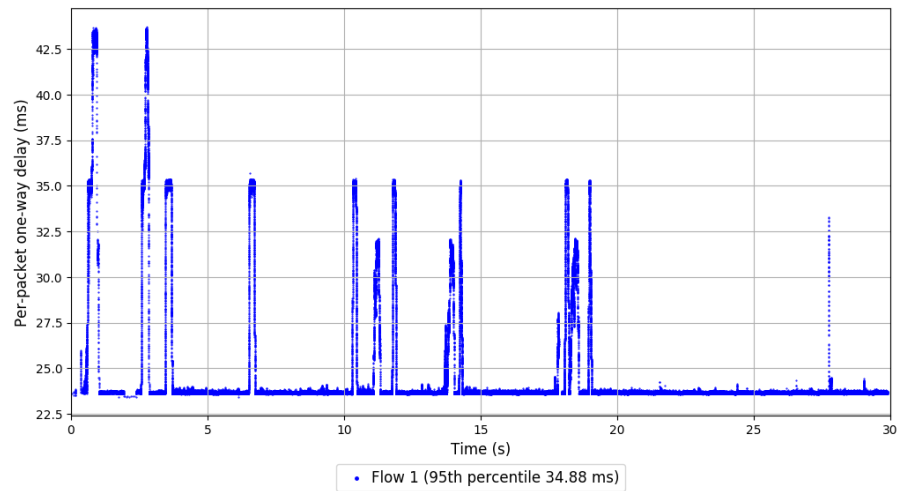
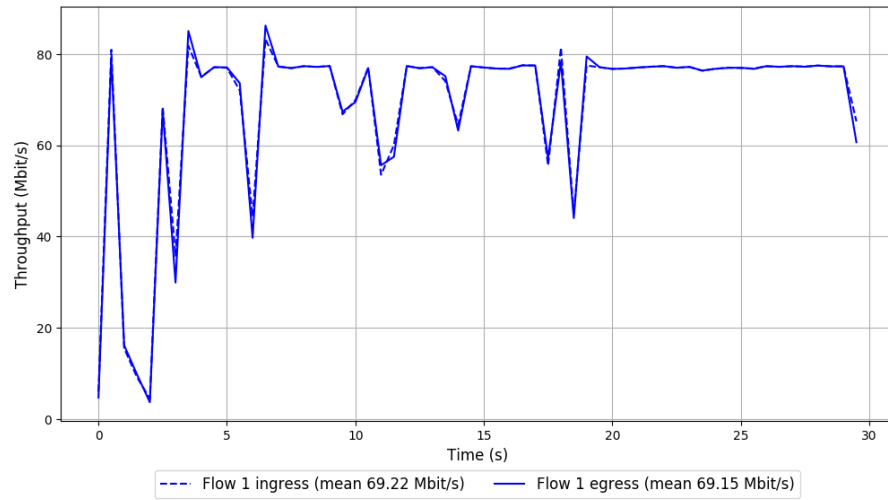
-- Flow 1:

Average throughput: 69.15 Mbit/s

95th percentile per-packet one-way delay: 34.882 ms

Loss rate: 0.28%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-16 12:18:30

End at: 2018-01-16 12:19:00

Local clock offset: -0.163 ms

Remote clock offset: -0.74 ms

Below is generated by plot.py at 2018-01-16 18:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.96 Mbit/s

95th percentile per-packet one-way delay: 38.180 ms

Loss rate: 0.34%

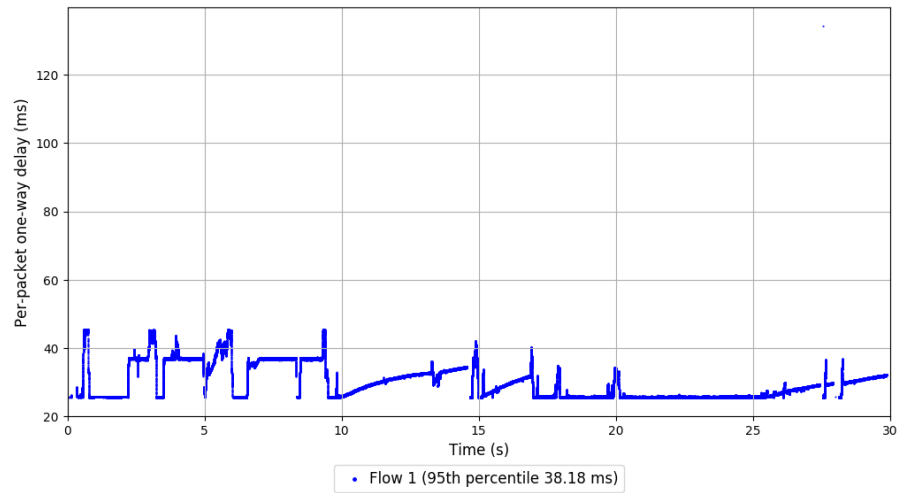
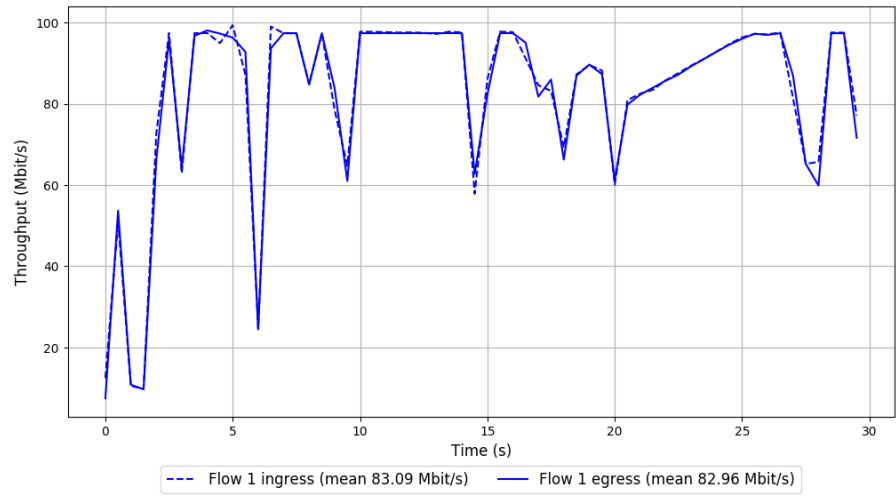
-- Flow 1:

Average throughput: 82.96 Mbit/s

95th percentile per-packet one-way delay: 38.180 ms

Loss rate: 0.34%

Run 6: Report of QUIC Cubic — Data Link

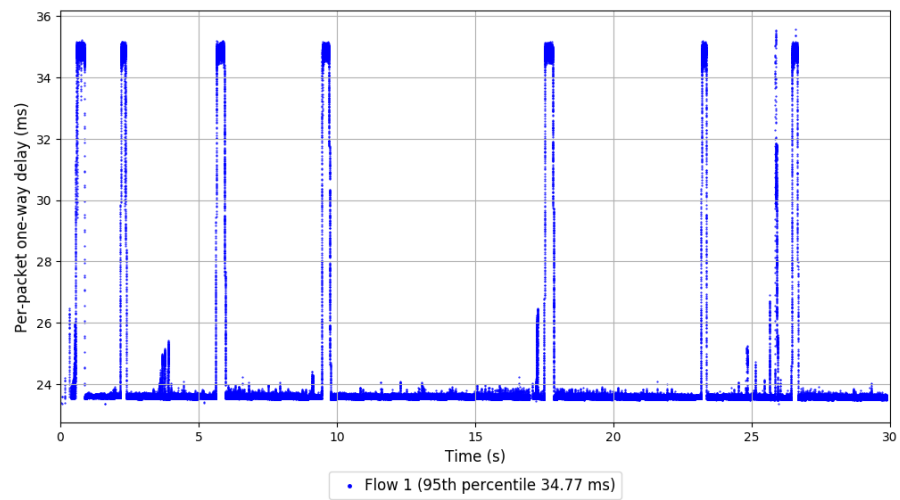
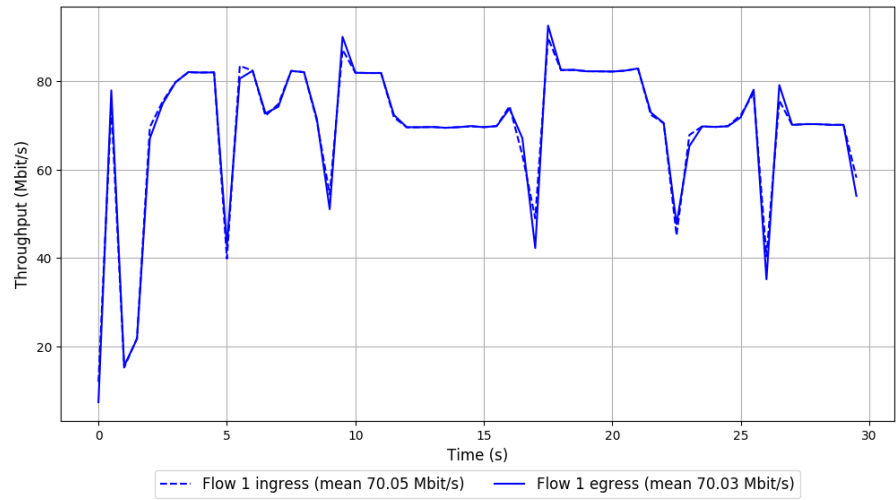


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-16 12:42:46
End at: 2018-01-16 12:43:16
Local clock offset: -0.264 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-01-16 18:30:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 34.775 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 34.775 ms
Loss rate: 0.21%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-16 13:06:52

End at: 2018-01-16 13:07:22

Local clock offset: -0.195 ms

Remote clock offset: -1.435 ms

Below is generated by plot.py at 2018-01-16 18:31:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 34.563 ms

Loss rate: 0.26%

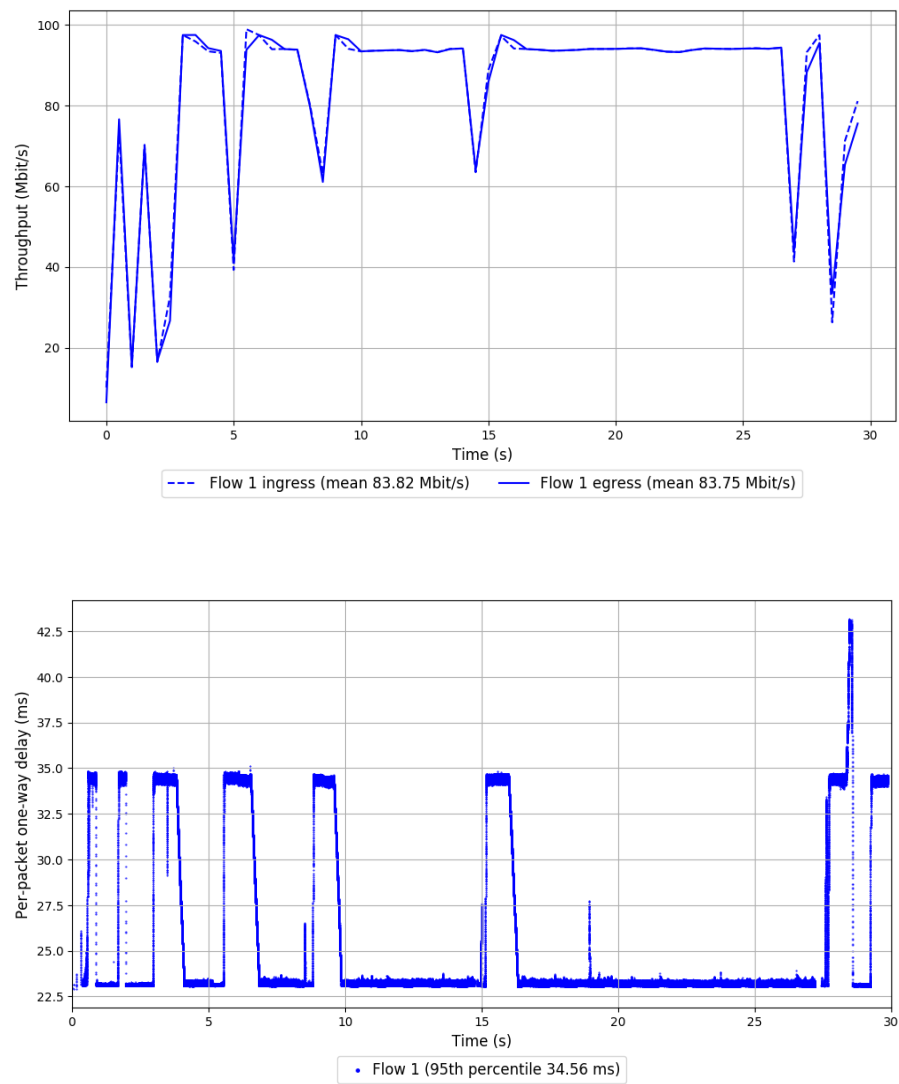
-- Flow 1:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 34.563 ms

Loss rate: 0.26%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-16 13:31:08

End at: 2018-01-16 13:31:38

Local clock offset: -0.311 ms

Remote clock offset: -3.416 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.21 Mbit/s

95th percentile per-packet one-way delay: 34.975 ms

Loss rate: 0.25%

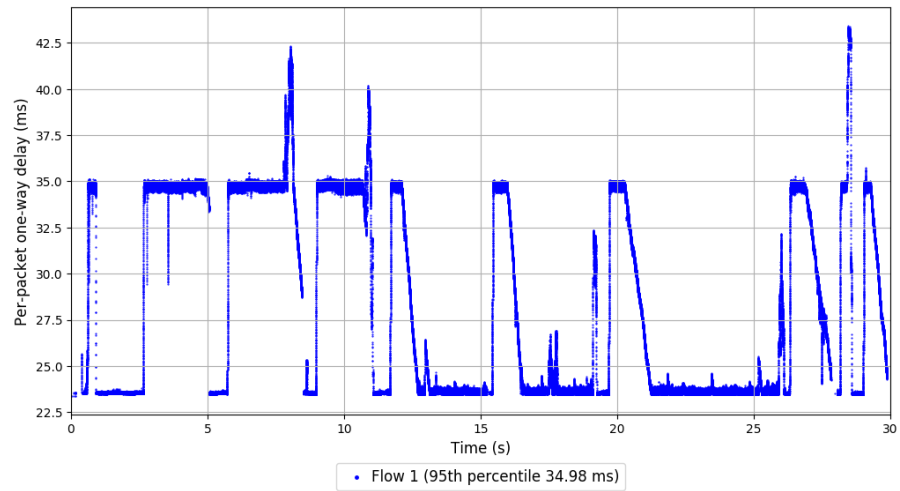
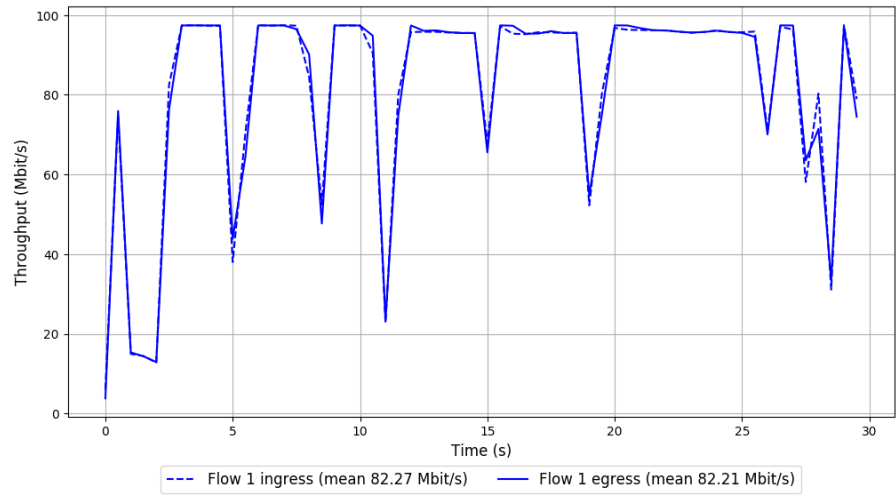
-- Flow 1:

Average throughput: 82.21 Mbit/s

95th percentile per-packet one-way delay: 34.975 ms

Loss rate: 0.25%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-16 13:55:16

End at: 2018-01-16 13:55:46

Local clock offset: -0.347 ms

Remote clock offset: -3.779 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.91 Mbit/s

95th percentile per-packet one-way delay: 34.575 ms

Loss rate: 0.22%

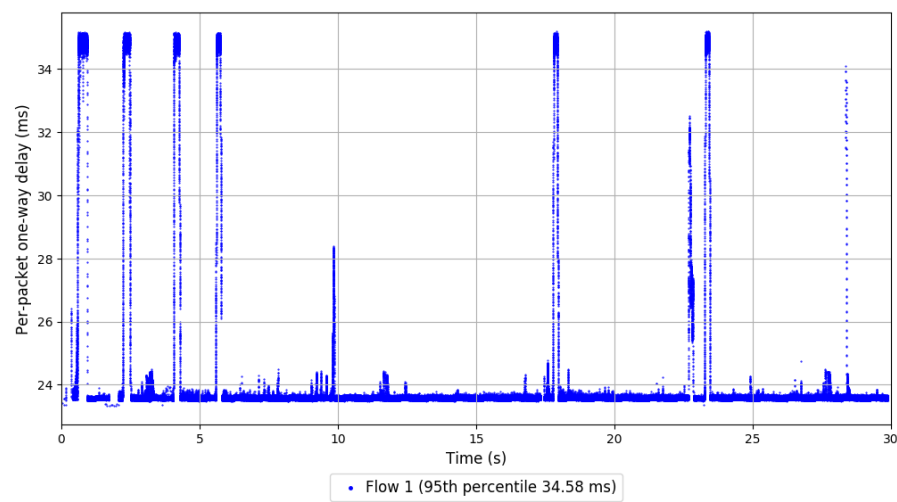
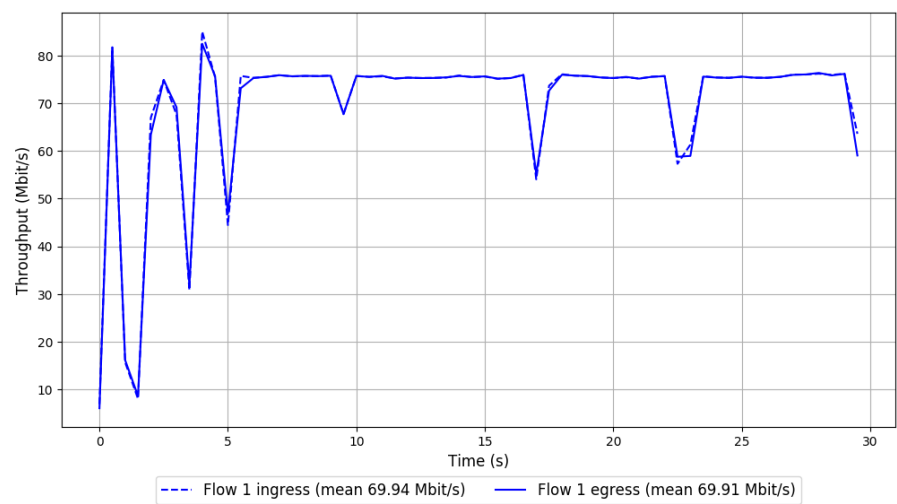
-- Flow 1:

Average throughput: 69.91 Mbit/s

95th percentile per-packet one-way delay: 34.575 ms

Loss rate: 0.22%

Run 10: Report of QUIC Cubic — Data Link

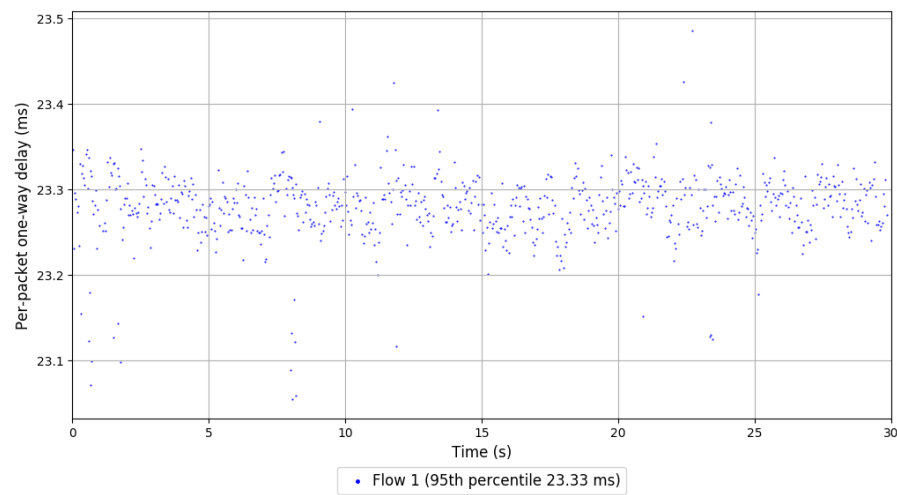
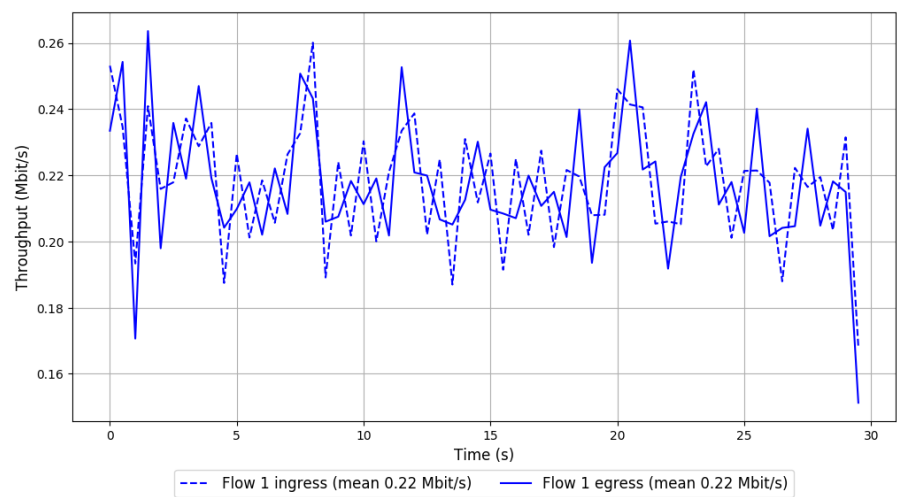


Run 1: Statistics of SCReAM

Start at: 2018-01-16 10:09:25
End at: 2018-01-16 10:09:55
Local clock offset: 0.04 ms
Remote clock offset: -0.501 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.328 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.328 ms
Loss rate: 0.25%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-01-16 10:33:44

End at: 2018-01-16 10:34:14

Local clock offset: -0.13 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.350 ms

Loss rate: 0.13%

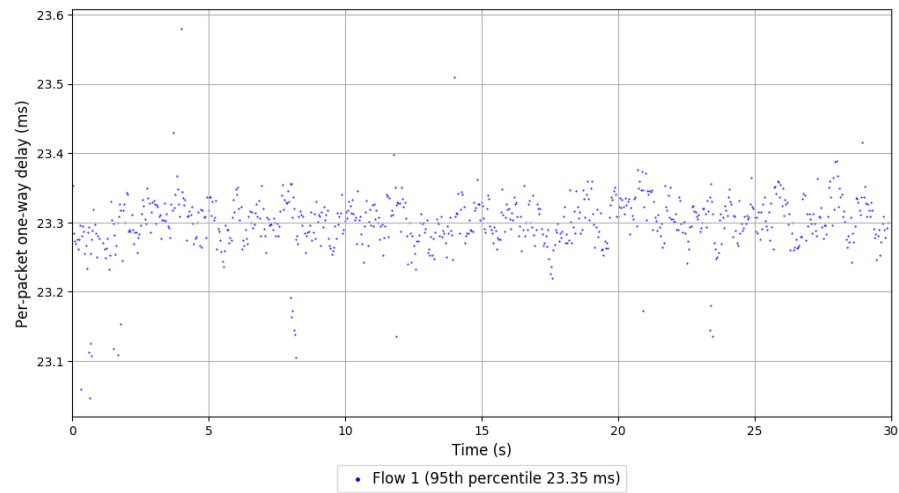
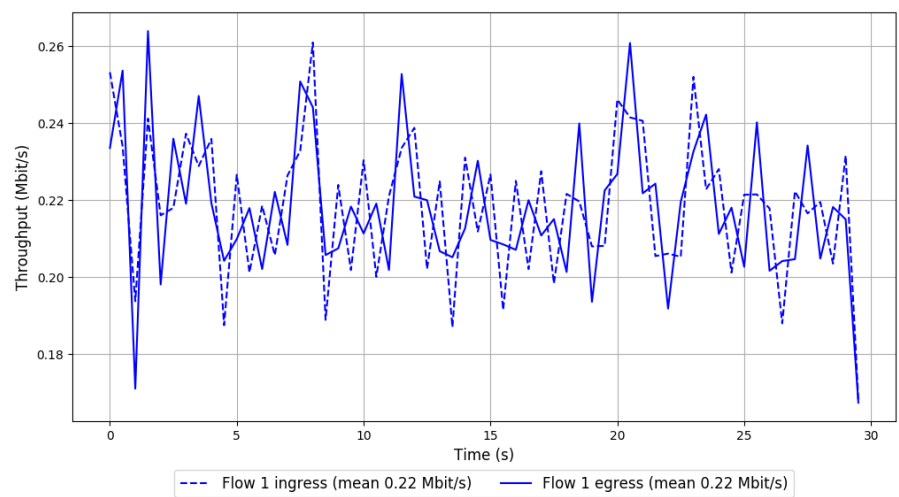
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.350 ms

Loss rate: 0.13%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-16 10:57:50

End at: 2018-01-16 10:58:20

Local clock offset: -0.198 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.780 ms

Loss rate: 0.13%

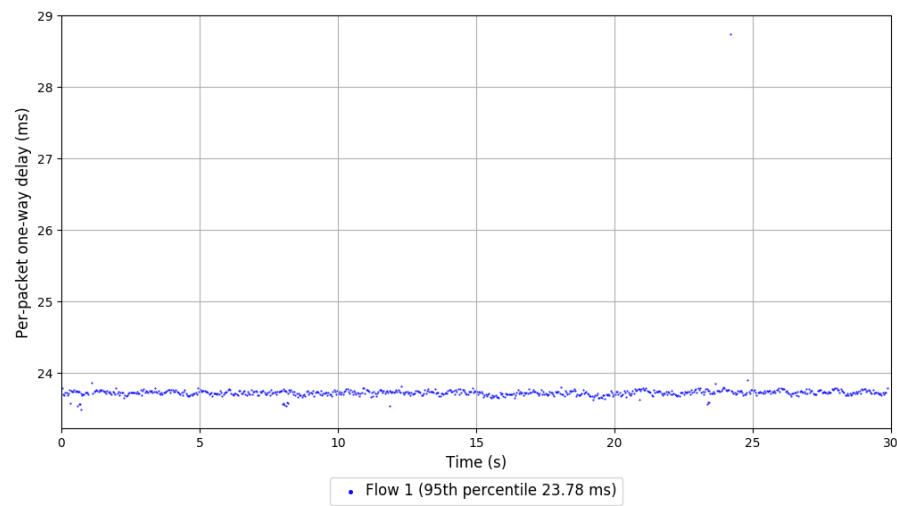
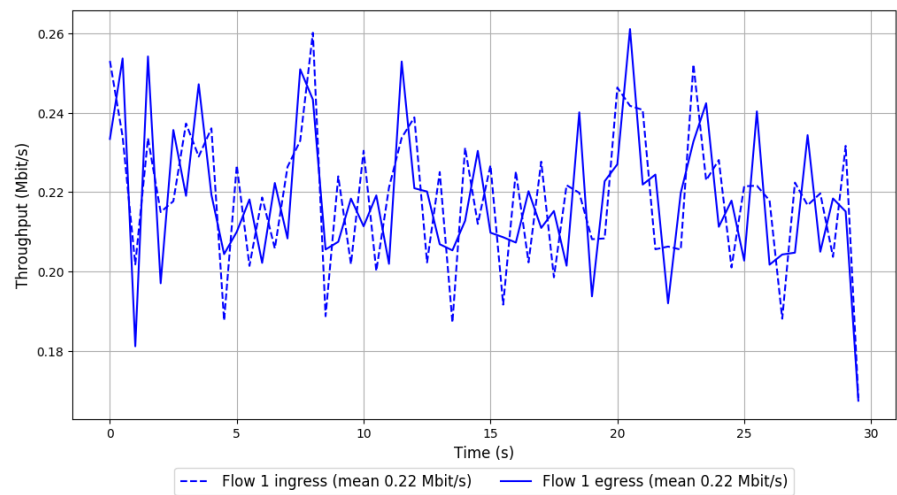
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.780 ms

Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-16 11:21:55

End at: 2018-01-16 11:22:25

Local clock offset: -0.248 ms

Remote clock offset: 1.47 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.369 ms

Loss rate: 0.13%

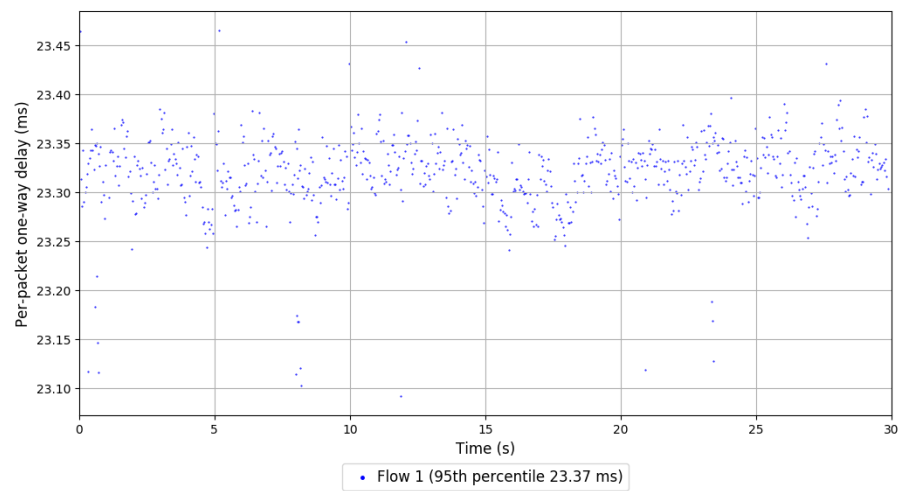
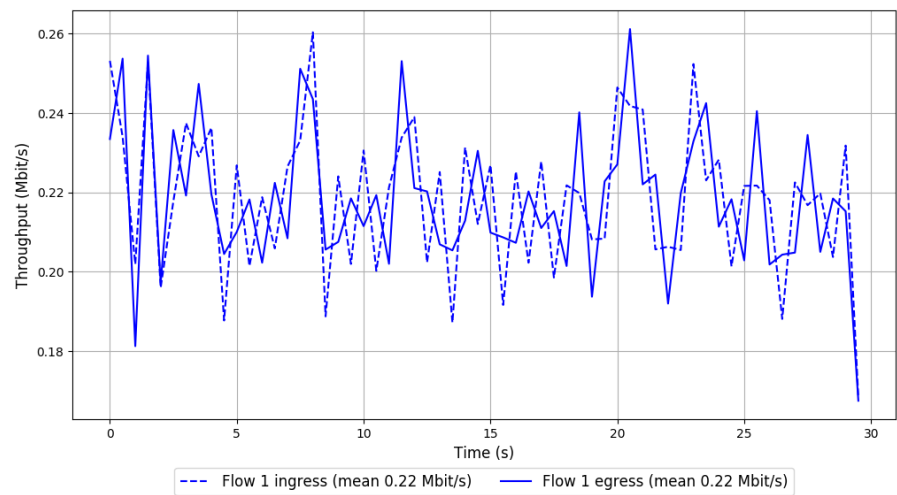
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.369 ms

Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

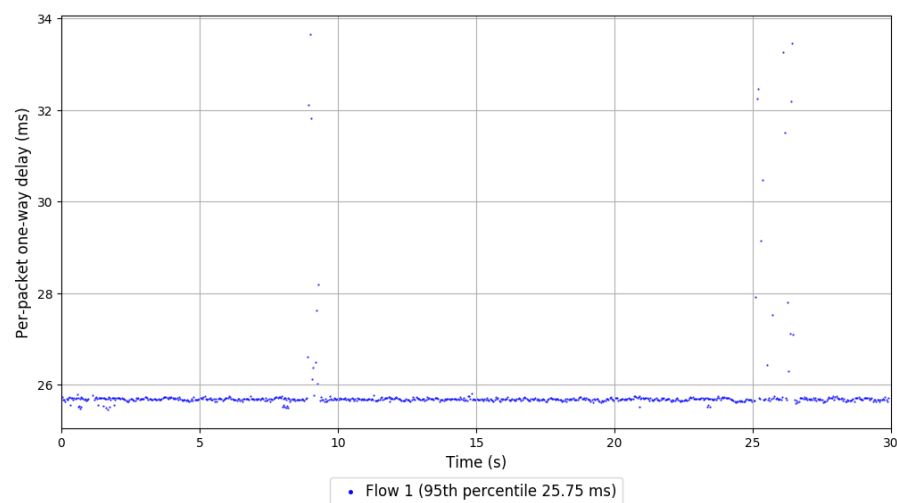
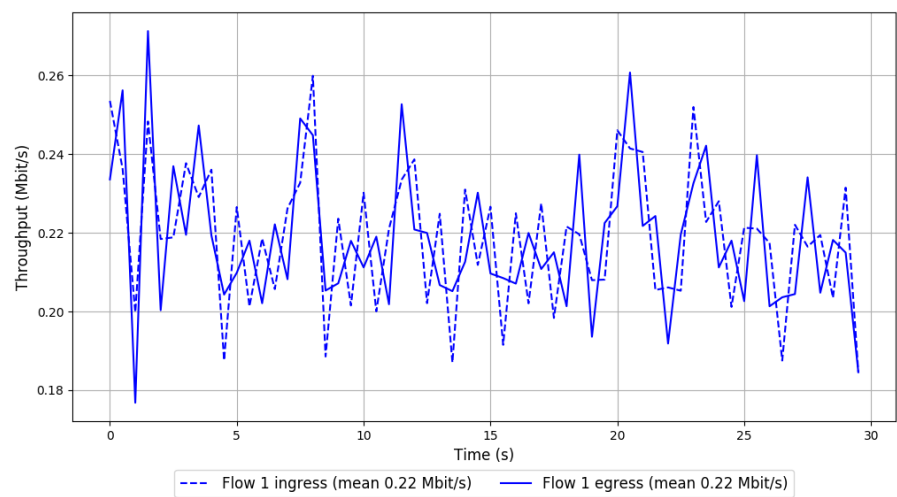


Run 5: Statistics of SCReAM

Start at: 2018-01-16 11:46:15
End at: 2018-01-16 11:46:45
Local clock offset: -0.216 ms
Remote clock offset: -0.357 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.750 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.750 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

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

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

Local clock offset: -0.151 ms

Remote clock offset: 1.933 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.367 ms

Loss rate: 0.13%

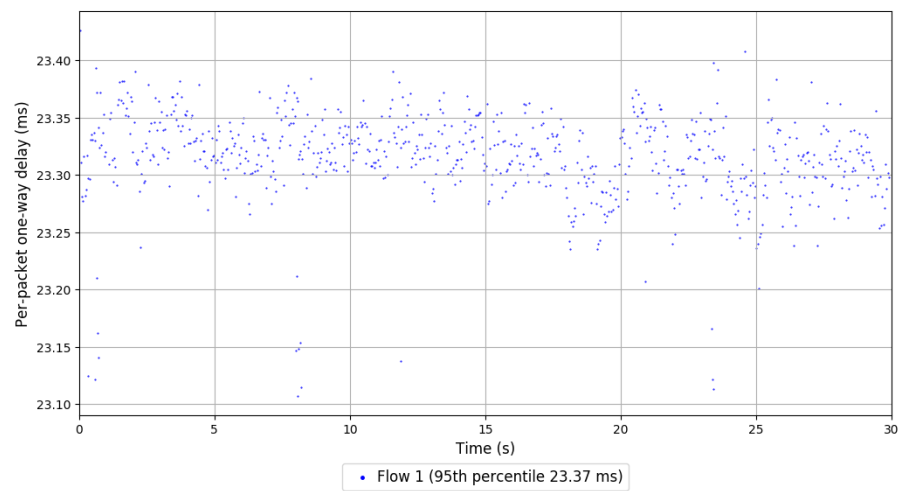
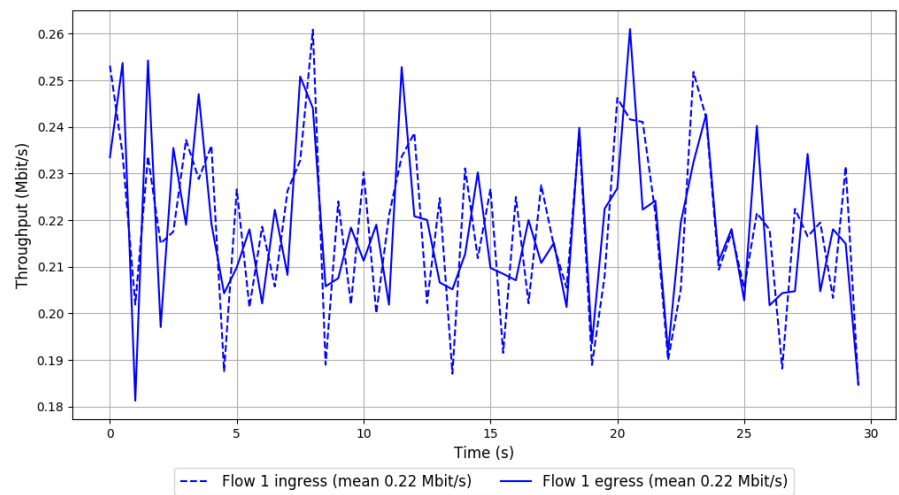
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.367 ms

Loss rate: 0.13%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-16 12:34:41

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

Local clock offset: -0.236 ms

Remote clock offset: 0.818 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.371 ms

Loss rate: 0.13%

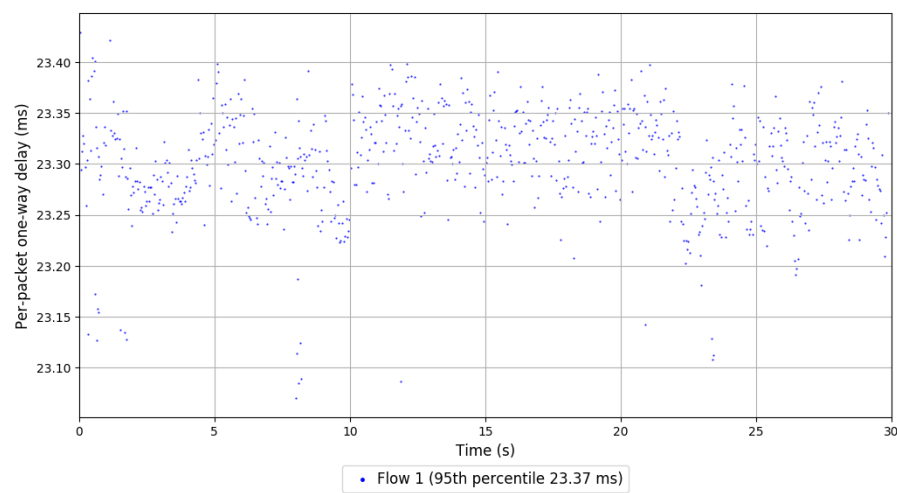
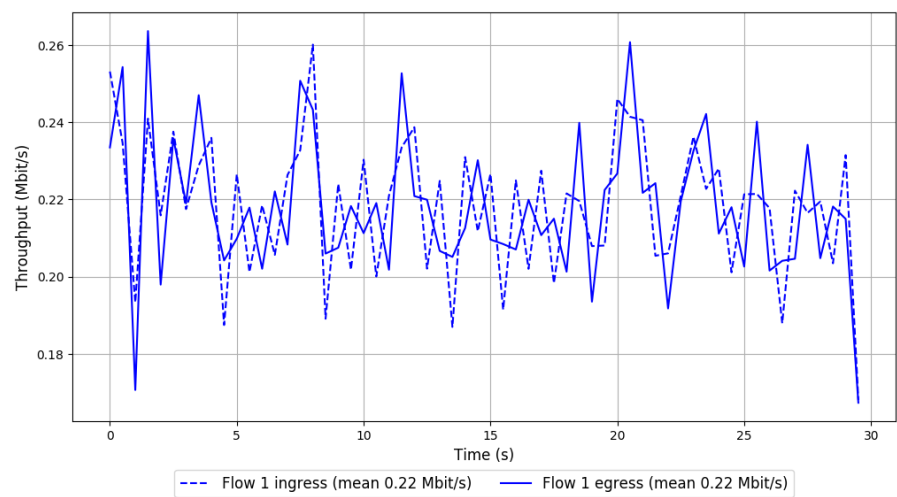
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.371 ms

Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

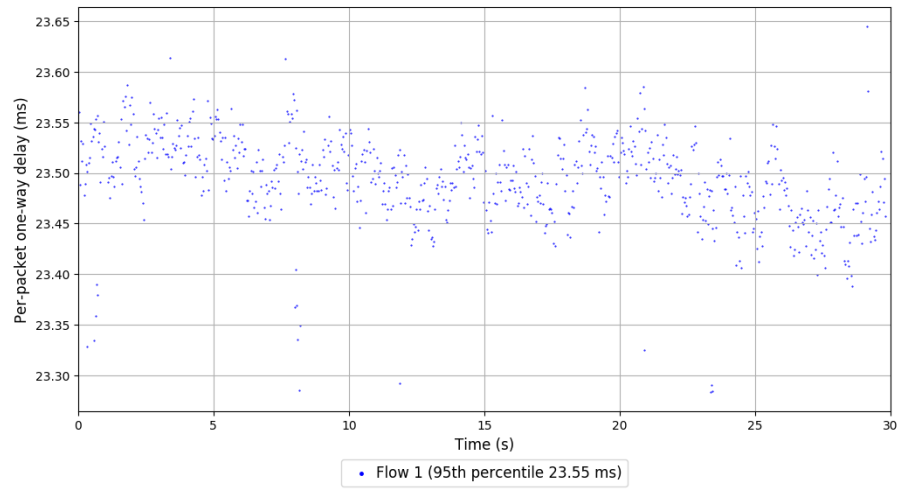
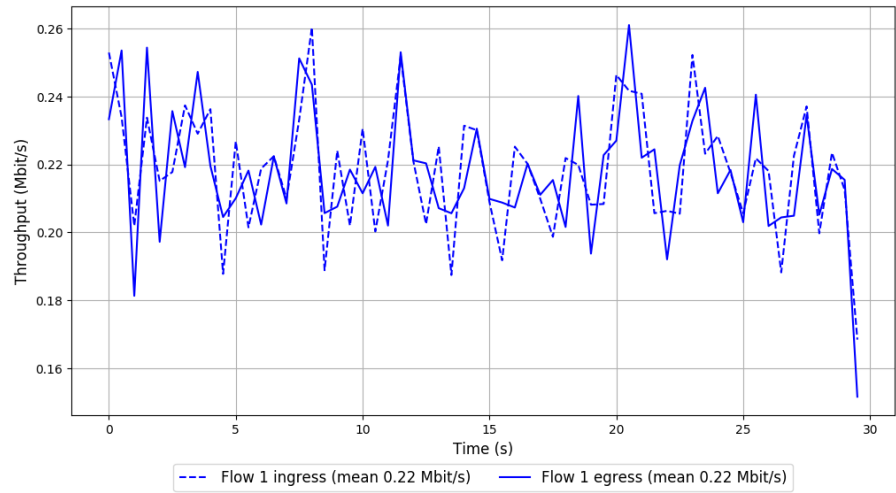


Run 8: Statistics of SCReAM

Start at: 2018-01-16 12:58:49
End at: 2018-01-16 12:59:19
Local clock offset: -0.293 ms
Remote clock offset: -1.376 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.554 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.554 ms
Loss rate: 0.25%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-16 13:23:02

End at: 2018-01-16 13:23:32

Local clock offset: -0.244 ms

Remote clock offset: -5.09 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.807 ms

Loss rate: 0.25%

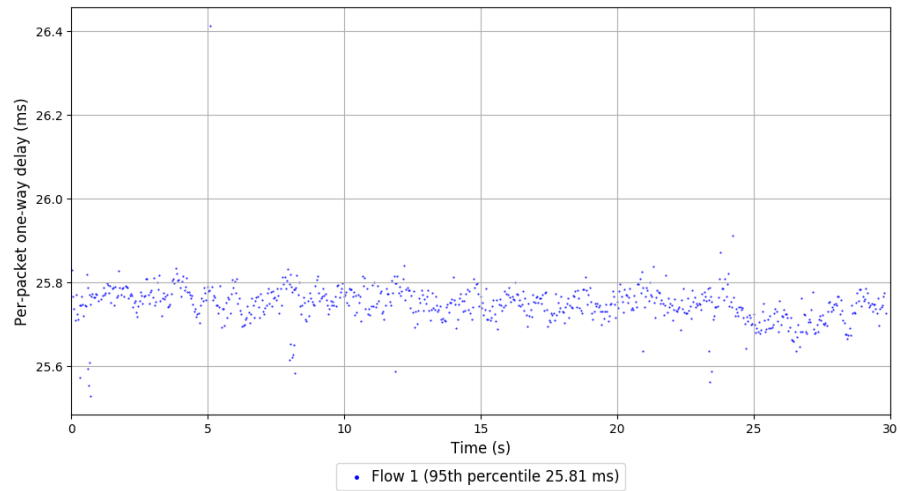
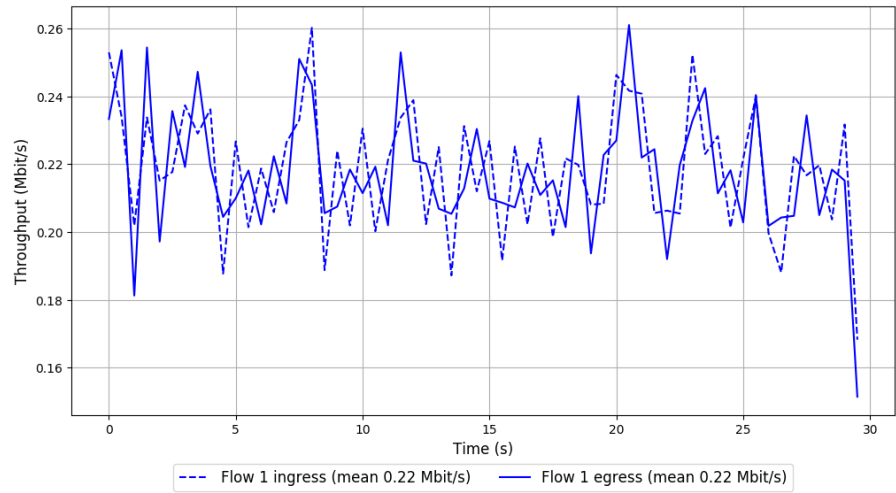
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.807 ms

Loss rate: 0.25%

Run 9: Report of SReAM — Data Link

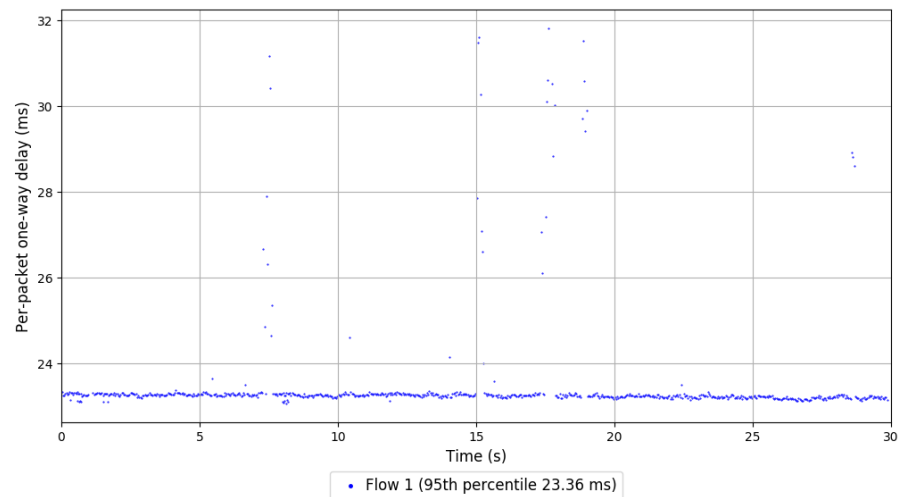
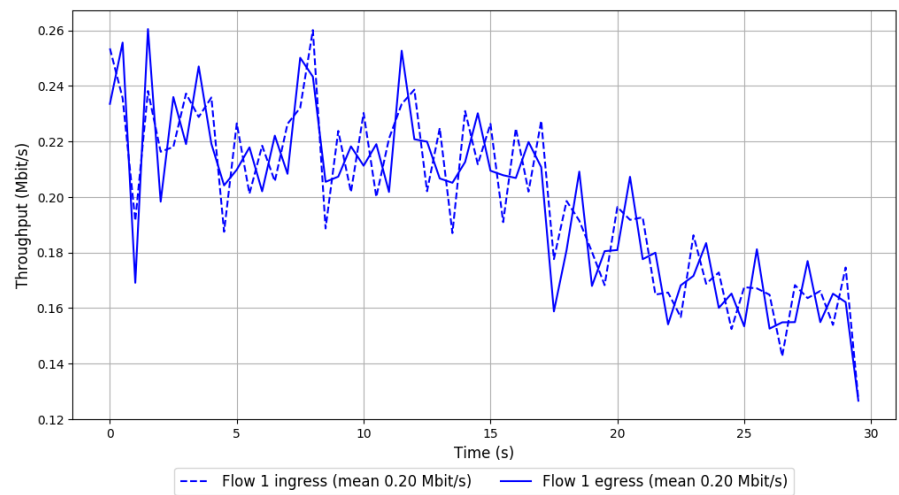


Run 10: Statistics of SReAM

Start at: 2018-01-16 13:47:12
End at: 2018-01-16 13:47:42
Local clock offset: -0.264 ms
Remote clock offset: -3.295 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 23.359 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 23.359 ms
Loss rate: 0.41%

Run 10: Report of SReAM — Data Link

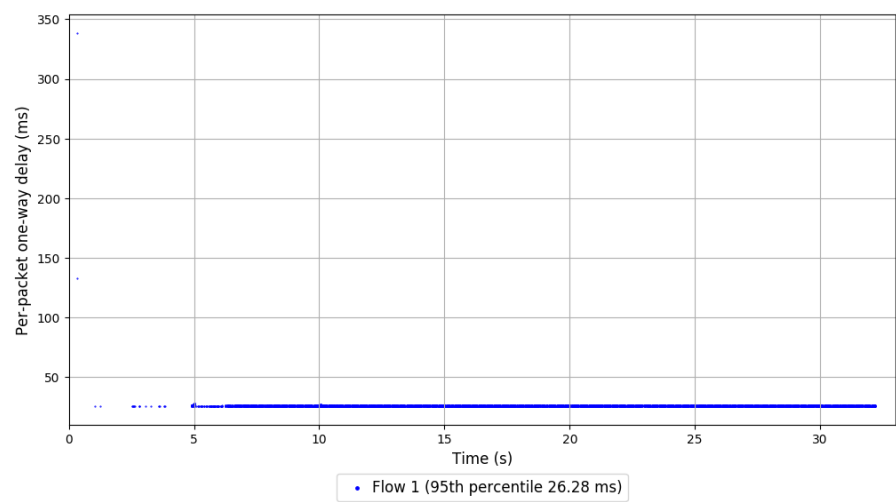
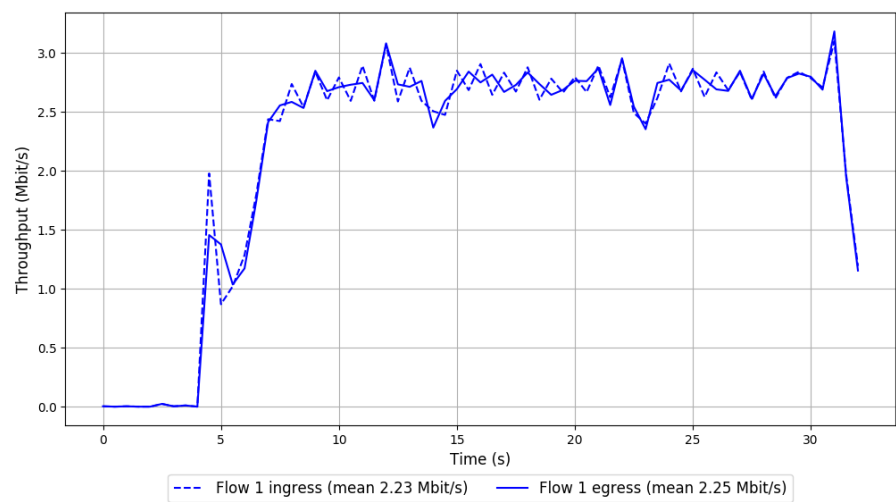


Run 1: Statistics of WebRTC media

Start at: 2018-01-16 10:24:12
End at: 2018-01-16 10:24:43
Local clock offset: -0.05 ms
Remote clock offset: -2.642 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 26.279 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 26.279 ms
Loss rate: 0.14%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-16 10:48:29

End at: 2018-01-16 10:48:59

Local clock offset: -0.169 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 24.206 ms

Loss rate: 0.16%

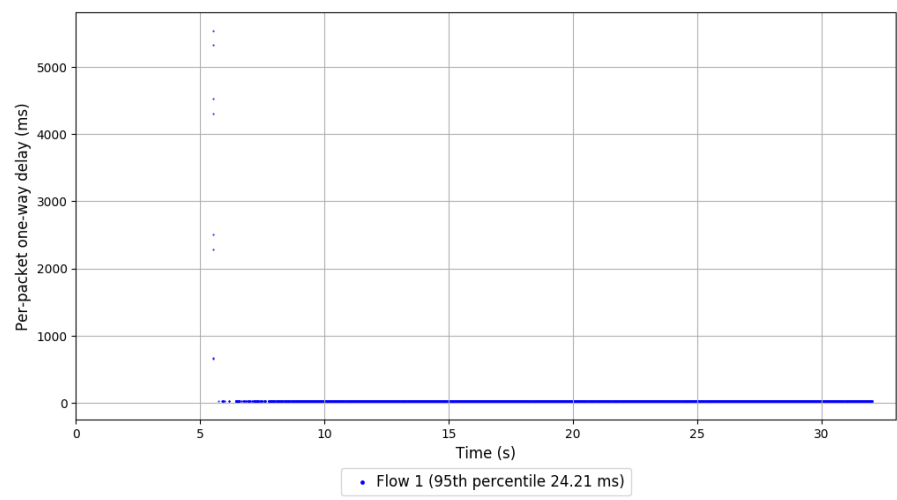
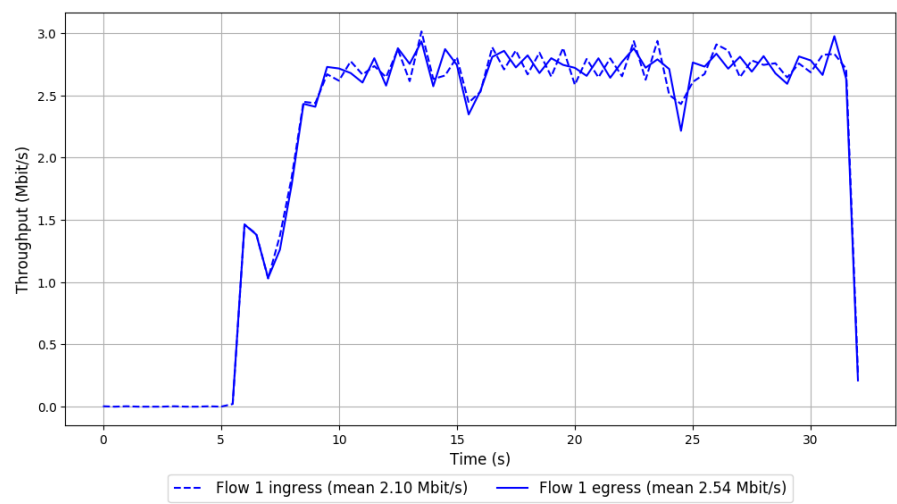
-- Flow 1:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 24.206 ms

Loss rate: 0.16%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

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

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

Local clock offset: -0.186 ms

Remote clock offset: 1.24 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 23.766 ms

Loss rate: 0.30%

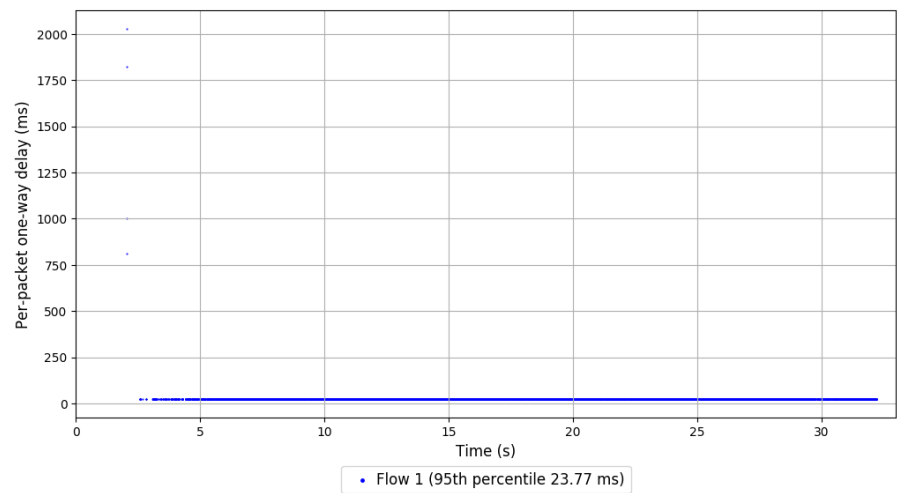
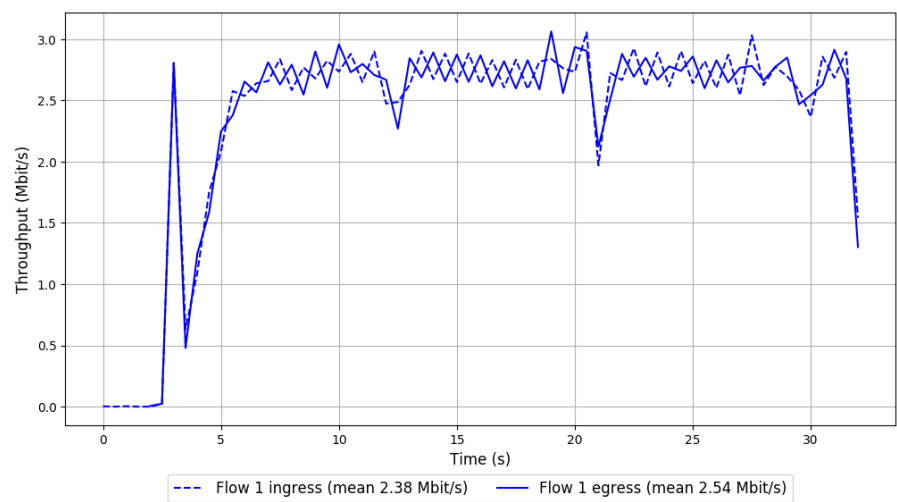
-- Flow 1:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 23.766 ms

Loss rate: 0.30%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-16 11:36:50

End at: 2018-01-16 11:37:20

Local clock offset: -0.309 ms

Remote clock offset: 1.858 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 23.748 ms

Loss rate: 0.15%

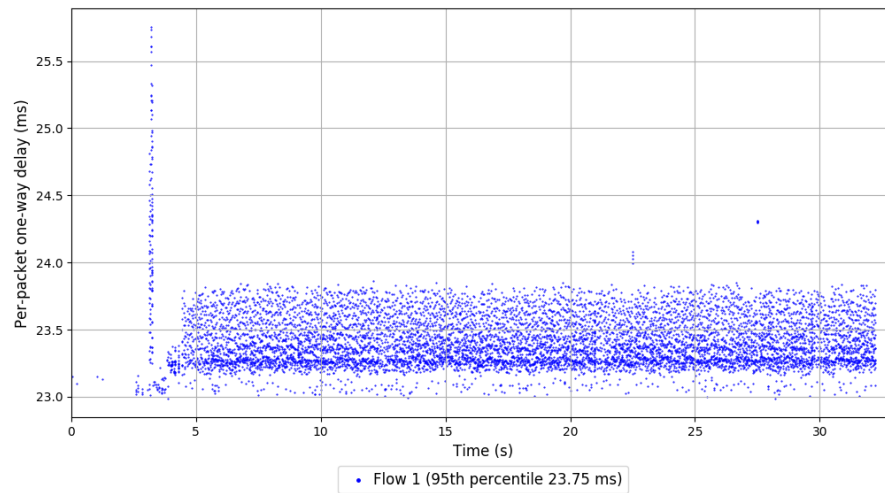
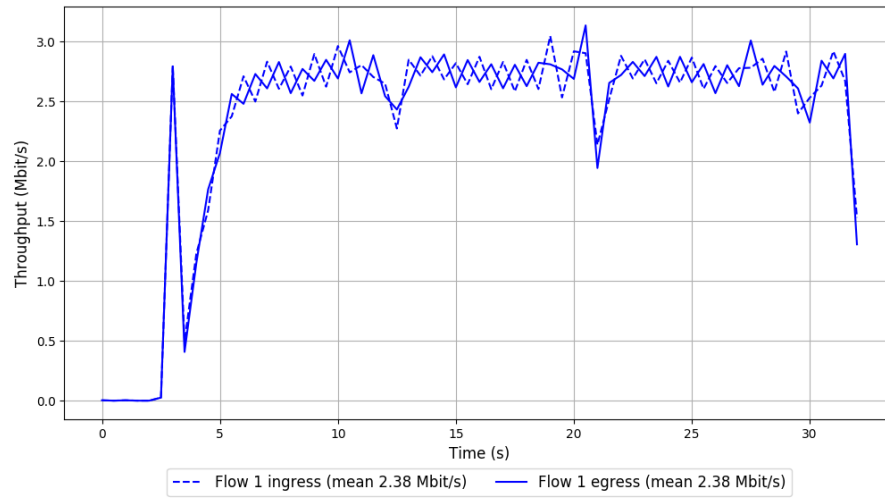
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 23.748 ms

Loss rate: 0.15%

Run 4: Report of WebRTC media — Data Link

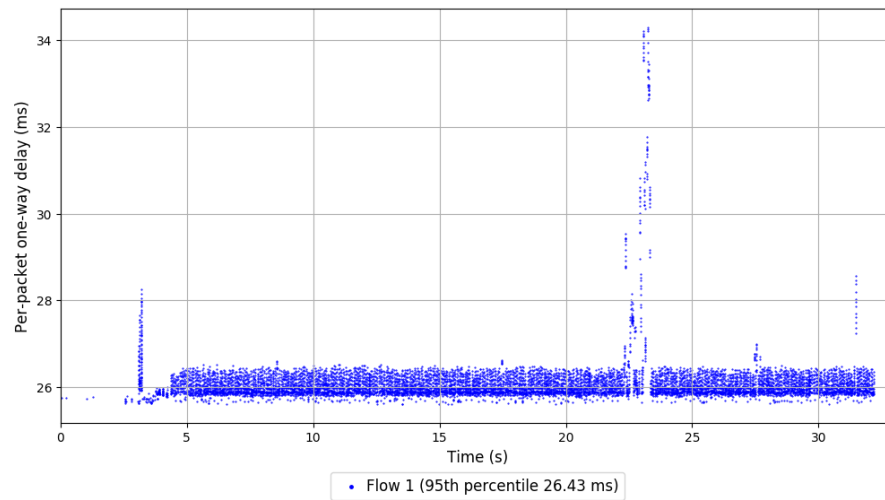
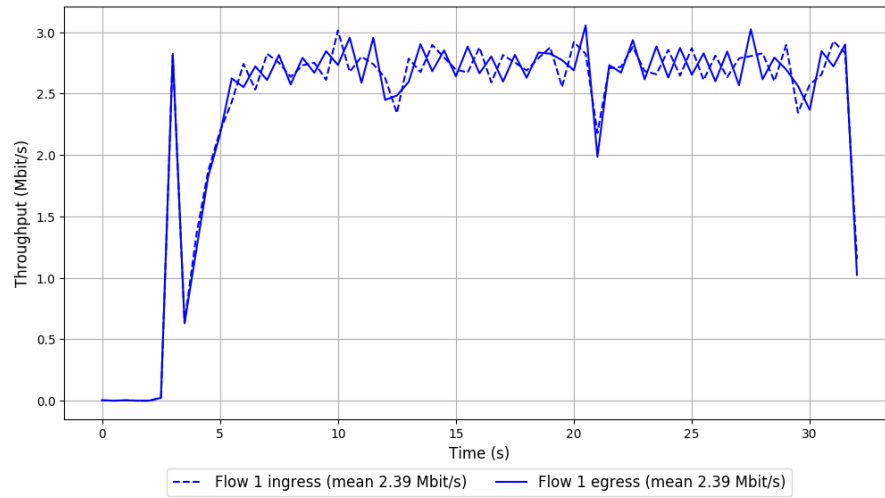


Run 5: Statistics of WebRTC media

Start at: 2018-01-16 12:01:09
End at: 2018-01-16 12:01:39
Local clock offset: -0.163 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 26.430 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 26.430 ms
Loss rate: 0.18%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-16 12:25:21

End at: 2018-01-16 12:25:51

Local clock offset: -0.307 ms

Remote clock offset: 0.839 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.93 Mbit/s

95th percentile per-packet one-way delay: 24.272 ms

Loss rate: 0.34%

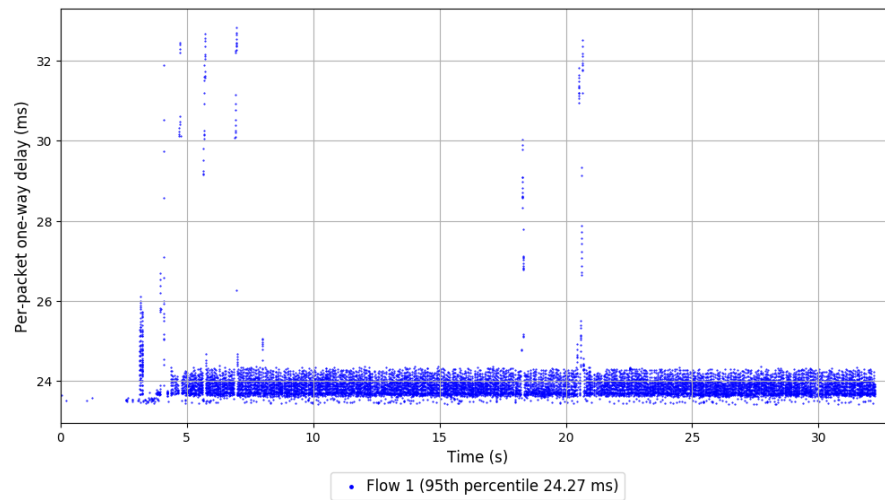
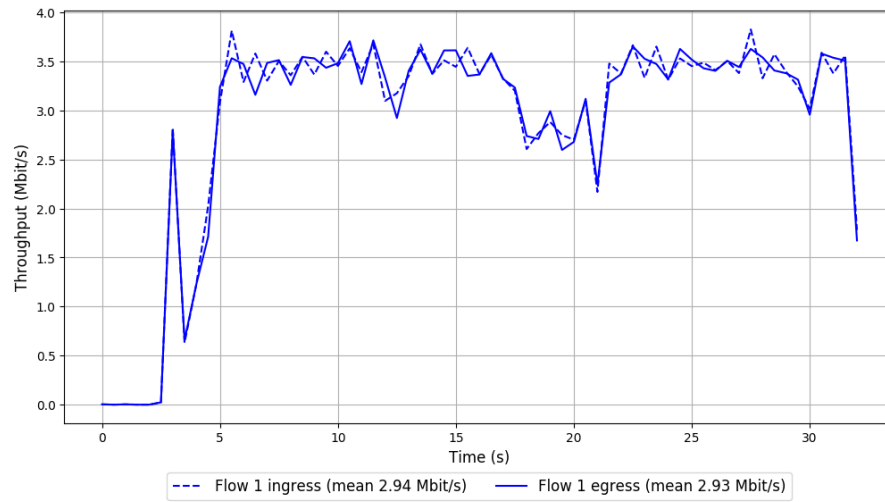
-- Flow 1:

Average throughput: 2.93 Mbit/s

95th percentile per-packet one-way delay: 24.272 ms

Loss rate: 0.34%

Run 6: Report of WebRTC media — Data Link

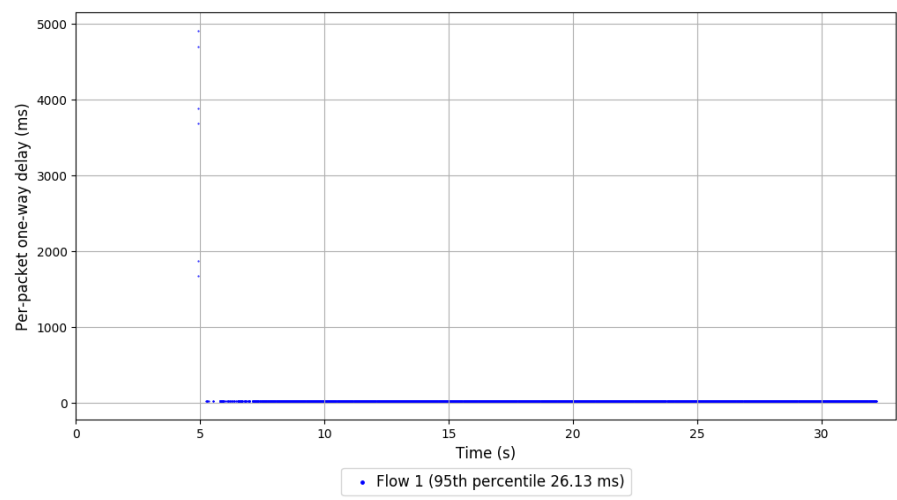
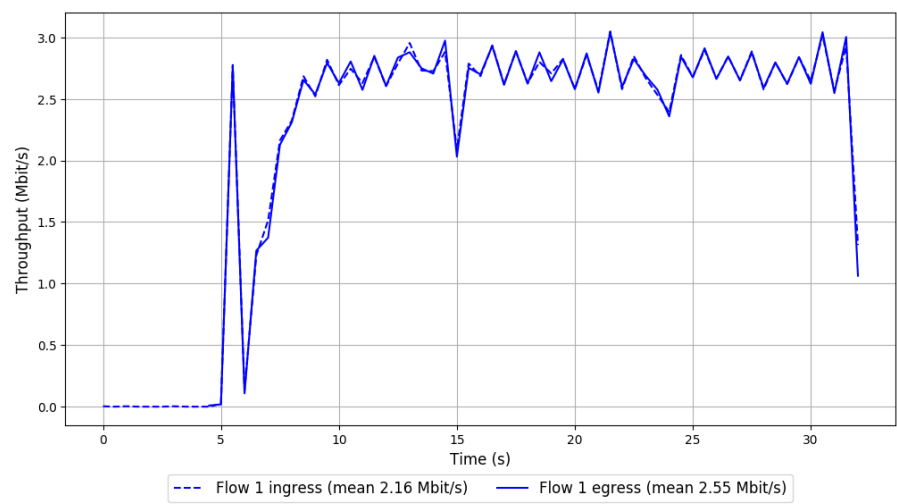


Run 7: Statistics of WebRTC media

Start at: 2018-01-16 12:49:26
End at: 2018-01-16 12:49:56
Local clock offset: -0.265 ms
Remote clock offset: -2.726 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 26.126 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 26.126 ms
Loss rate: 0.29%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-16 13:13:36

End at: 2018-01-16 13:14:06

Local clock offset: -0.223 ms

Remote clock offset: -4.58 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 26.254 ms

Loss rate: 0.25%

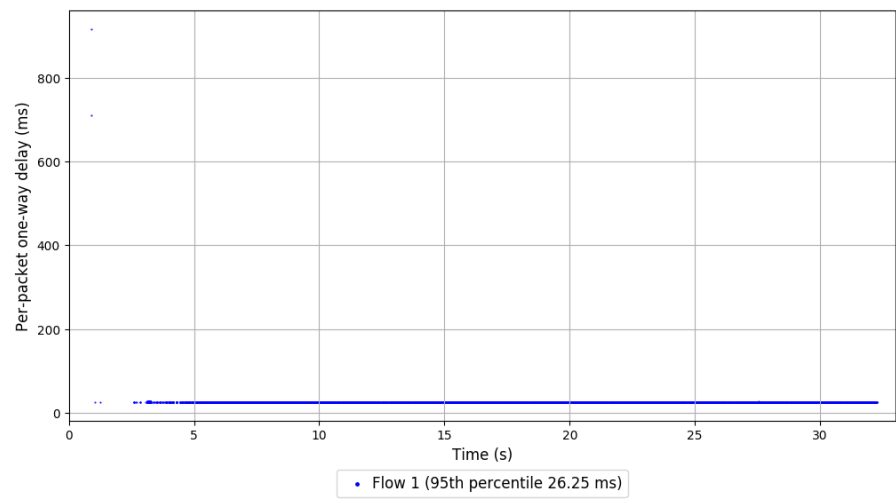
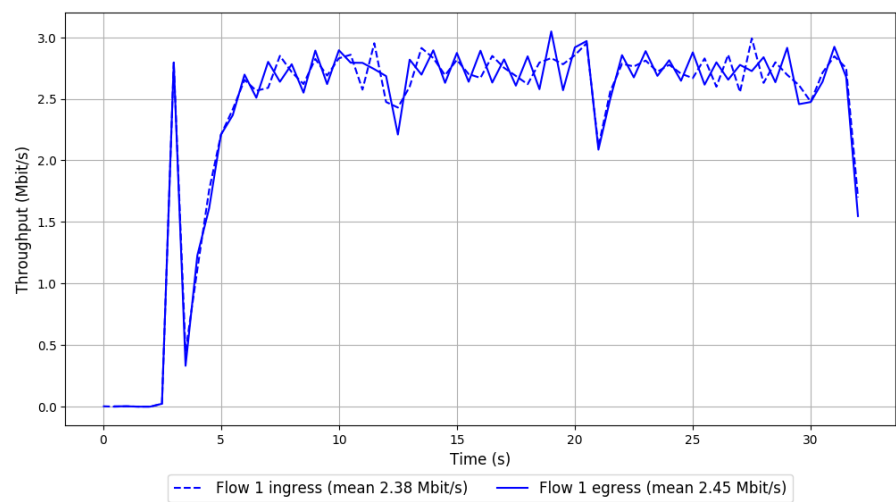
-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 26.254 ms

Loss rate: 0.25%

Run 8: Report of WebRTC media — Data Link

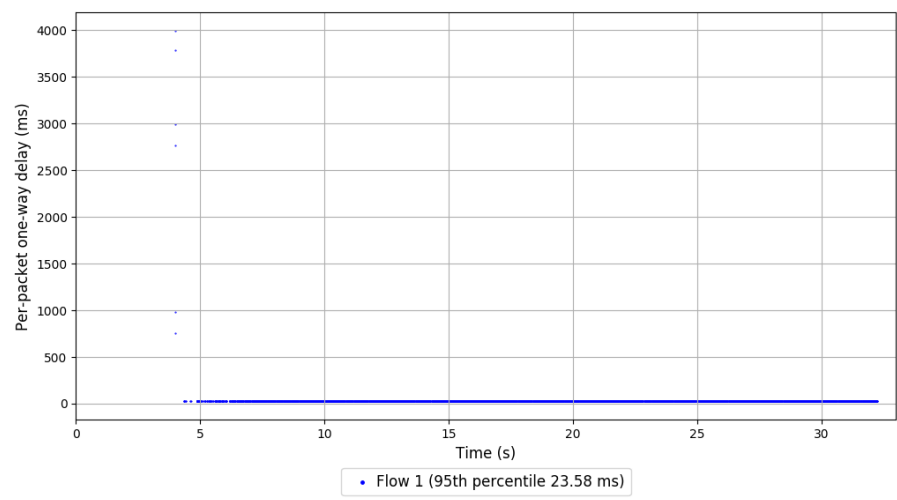
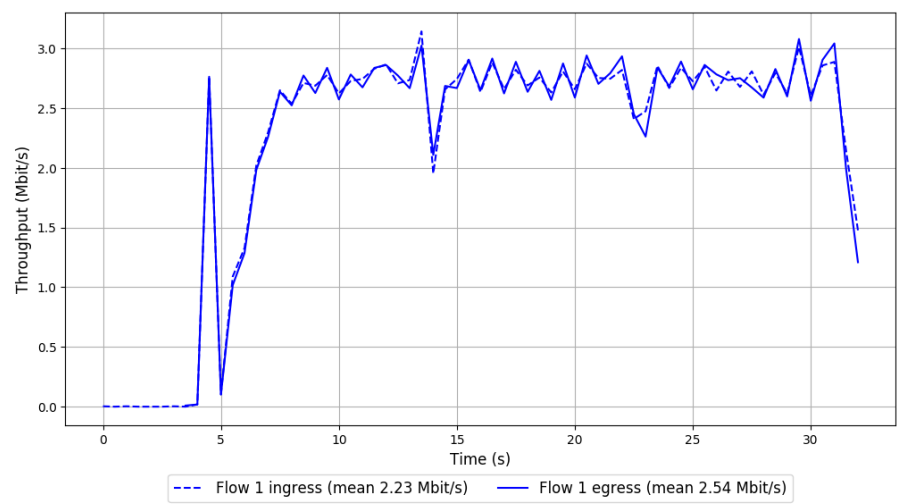


Run 9: Statistics of WebRTC media

Start at: 2018-01-16 13:37:49
End at: 2018-01-16 13:38:19
Local clock offset: -0.357 ms
Remote clock offset: -3.162 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 23.581 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 23.581 ms
Loss rate: 0.29%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-16 14:02:03

End at: 2018-01-16 14:02:33

Local clock offset: -0.32 ms

Remote clock offset: -3.335 ms

Below is generated by plot.py at 2018-01-16 18:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 23.705 ms

Loss rate: 0.33%

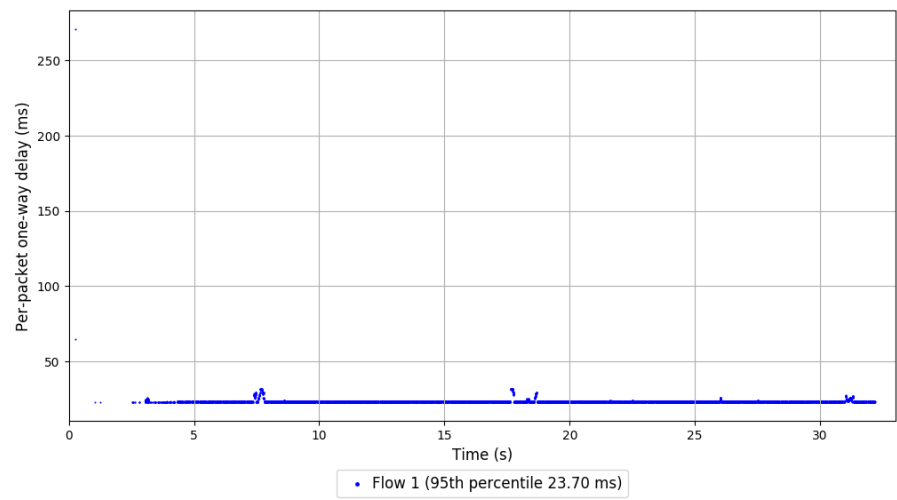
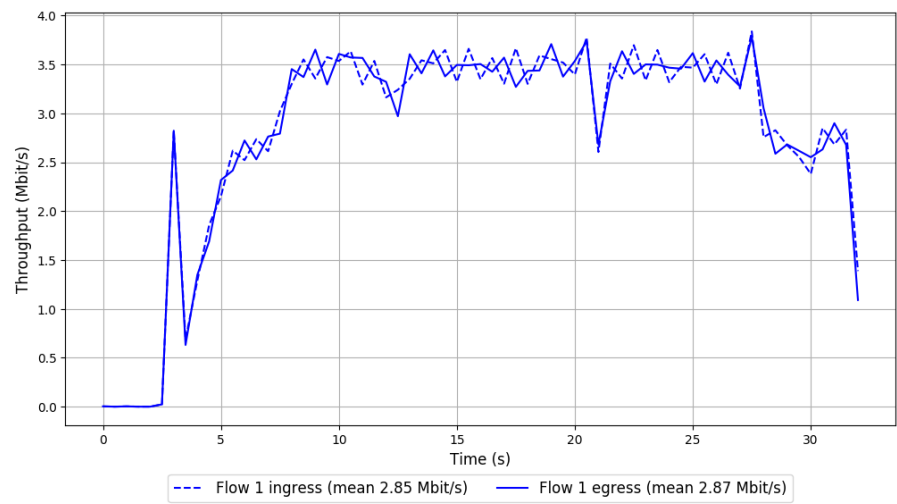
-- Flow 1:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 23.705 ms

Loss rate: 0.33%

Run 10: Report of WebRTC media — Data Link

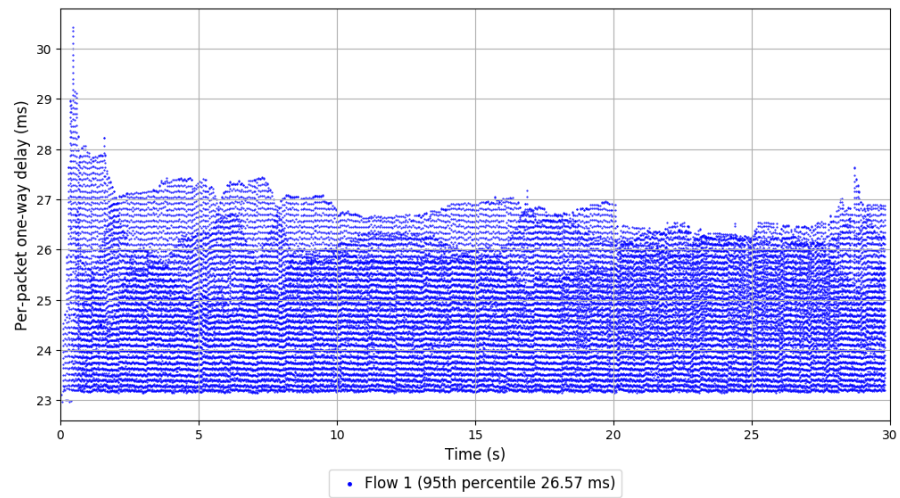
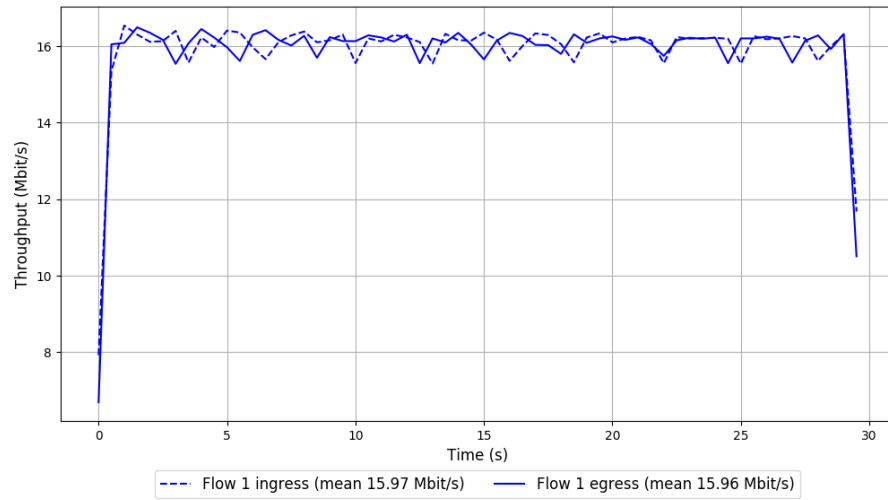


Run 1: Statistics of Sprout

Start at: 2018-01-16 10:08:08
End at: 2018-01-16 10:08:38
Local clock offset: -0.053 ms
Remote clock offset: -0.535 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 26.566 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 26.566 ms
Loss rate: 0.20%

Run 1: Report of Sprout — Data Link

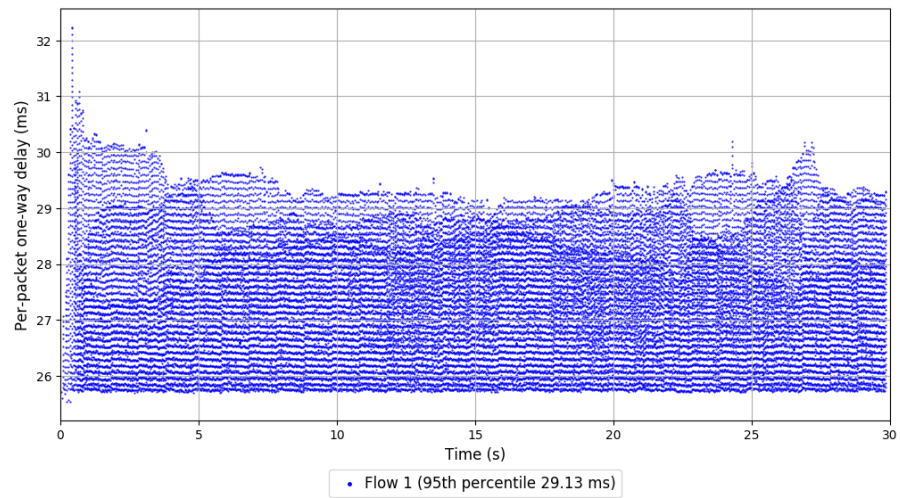
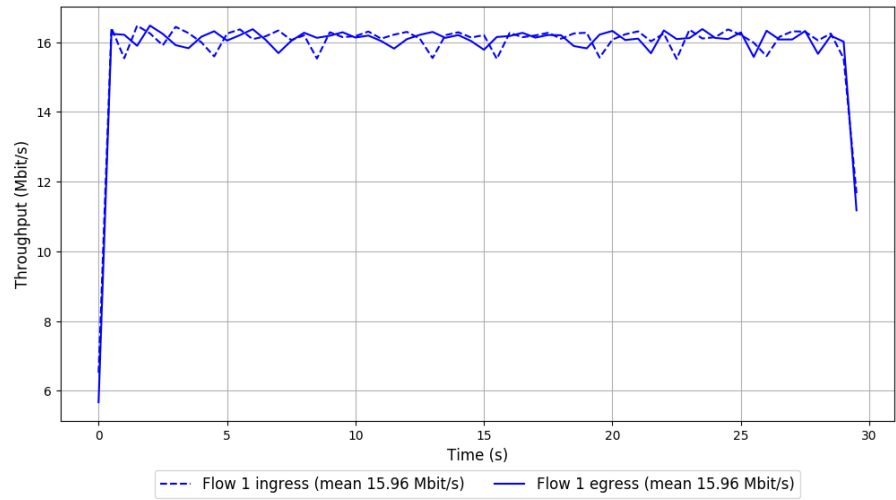


Run 2: Statistics of Sprout

Start at: 2018-01-16 10:32:28
End at: 2018-01-16 10:32:58
Local clock offset: -0.209 ms
Remote clock offset: -2.428 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 29.127 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 29.127 ms
Loss rate: 0.13%

Run 2: Report of Sprout — Data Link

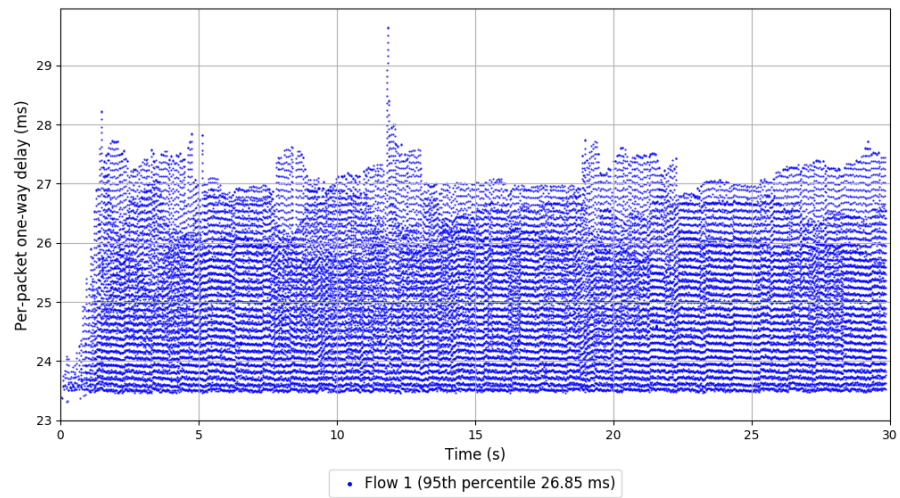
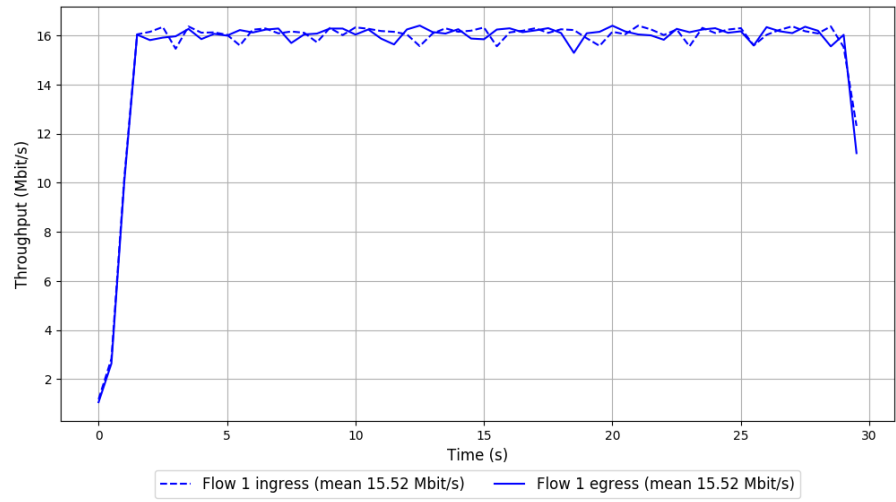


Run 3: Statistics of Sprout

Start at: 2018-01-16 10:56:34
End at: 2018-01-16 10:57:04
Local clock offset: -0.188 ms
Remote clock offset: 0.578 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 26.854 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 26.854 ms
Loss rate: 0.21%

Run 3: Report of Sprout — Data Link

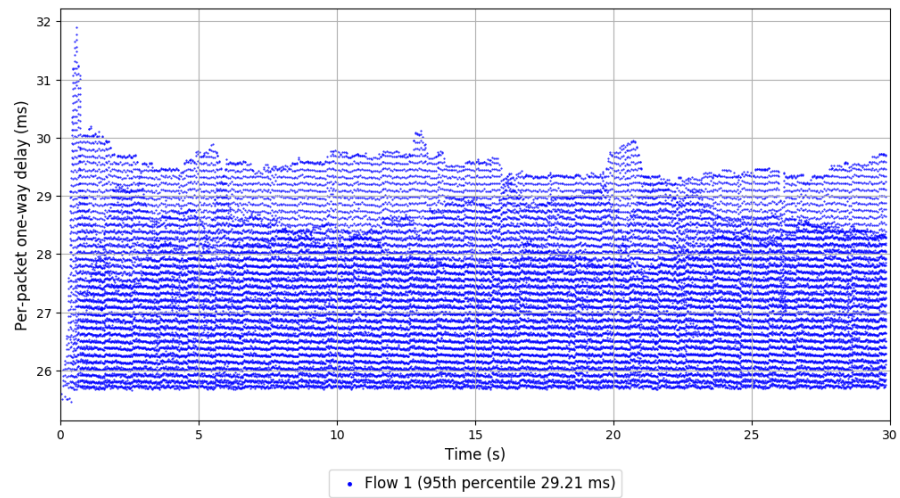
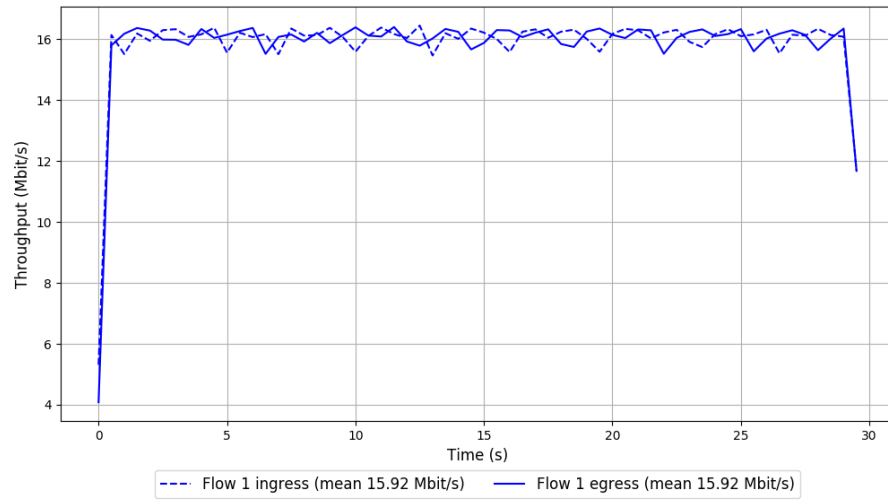


Run 4: Statistics of Sprout

Start at: 2018-01-16 11:20:38
End at: 2018-01-16 11:21:08
Local clock offset: -0.287 ms
Remote clock offset: -1.073 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 29.214 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 29.214 ms
Loss rate: 0.12%

Run 4: Report of Sprout — Data Link

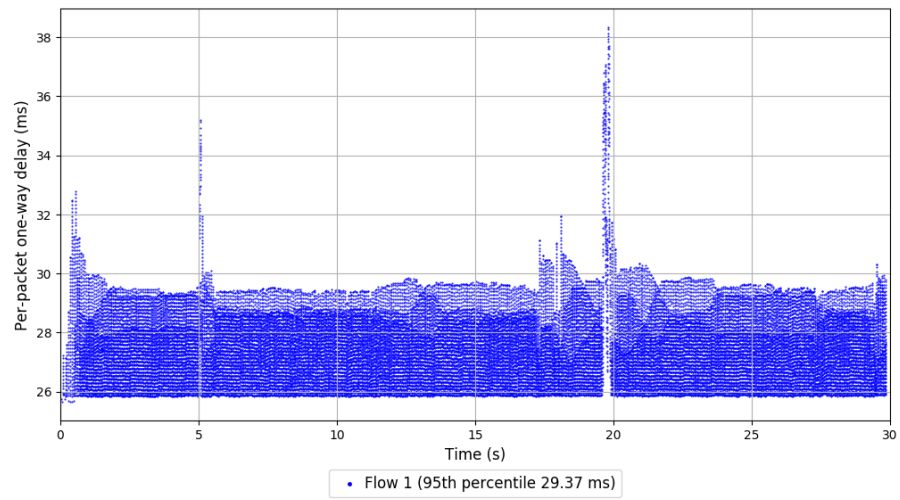
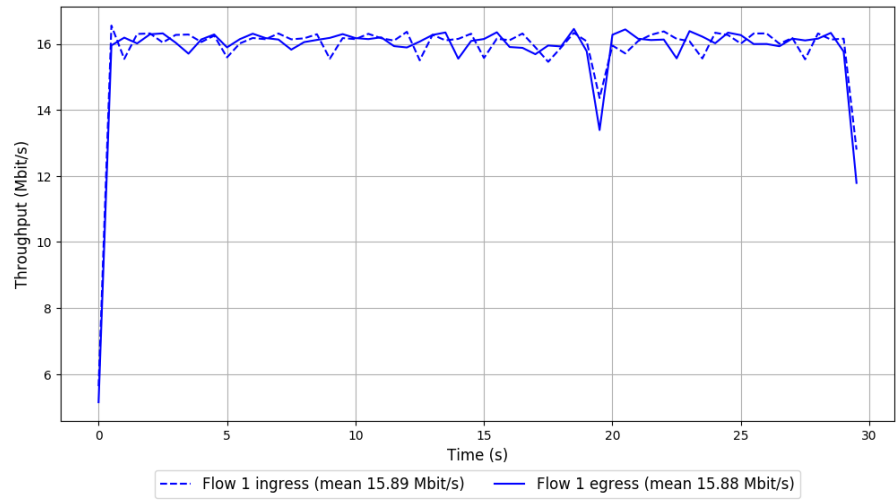


Run 5: Statistics of Sprout

Start at: 2018-01-16 11:44:58
End at: 2018-01-16 11:45:28
Local clock offset: -0.185 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 29.372 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 29.372 ms
Loss rate: 0.26%

Run 5: Report of Sprout — Data Link

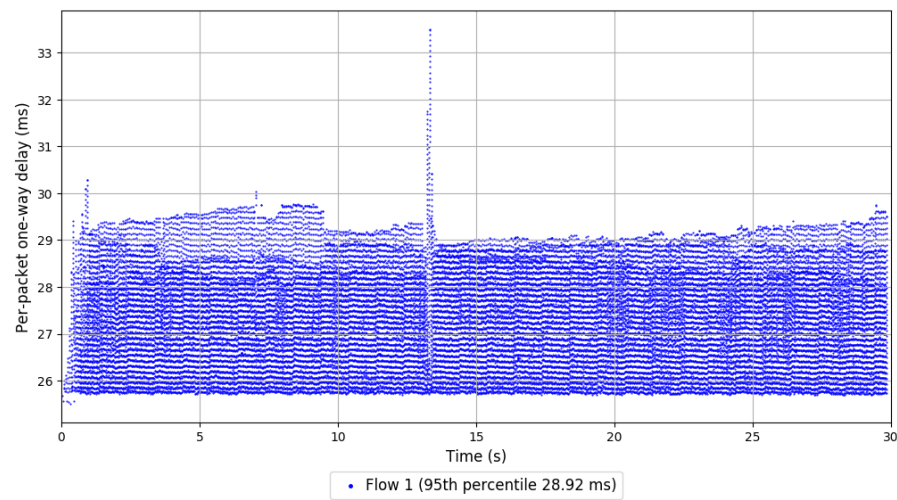
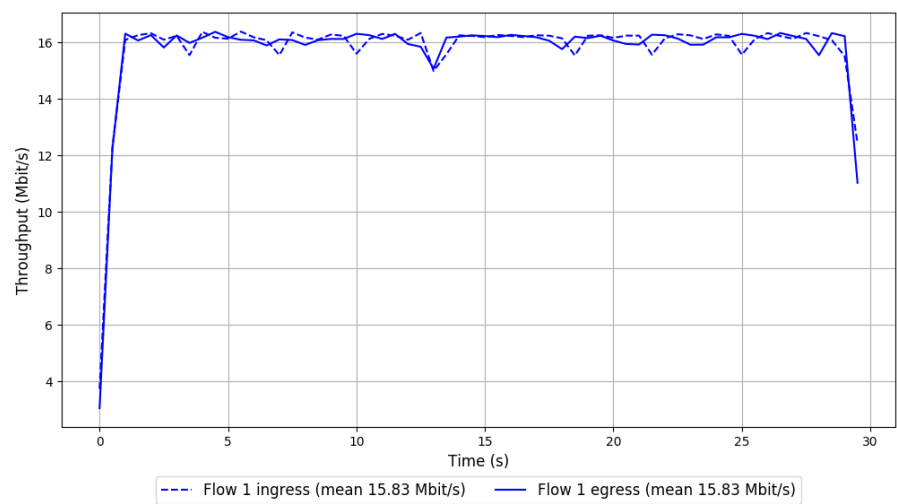


Run 6: Statistics of Sprout

Start at: 2018-01-16 12:09:15
End at: 2018-01-16 12:09:45
Local clock offset: -0.156 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 28.917 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 28.917 ms
Loss rate: 0.20%

Run 6: Report of Sprout — Data Link

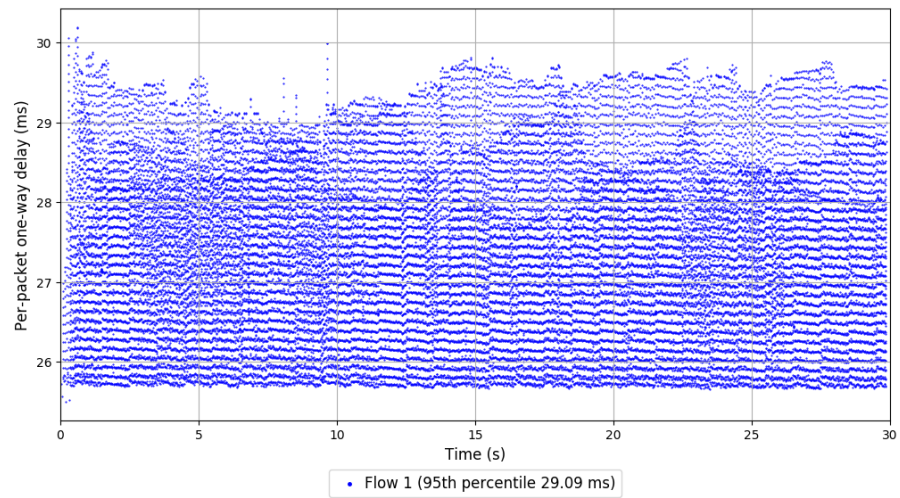
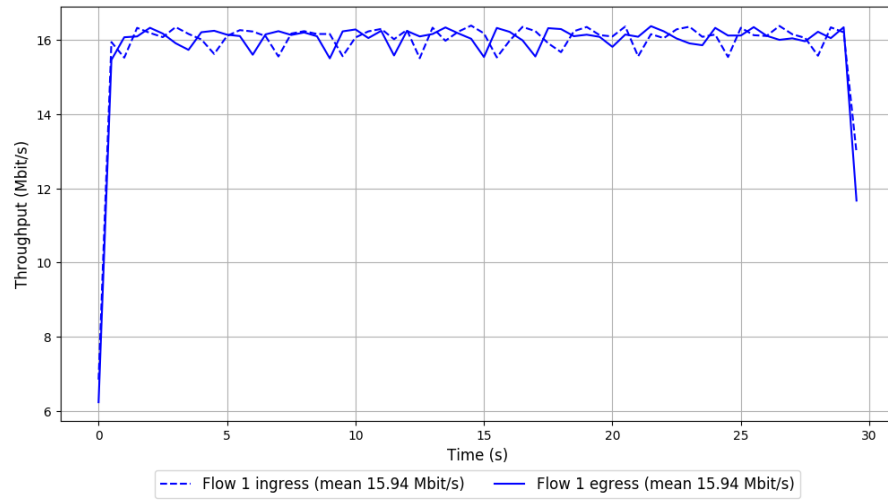


Run 7: Statistics of Sprout

Start at: 2018-01-16 12:33:25
End at: 2018-01-16 12:33:55
Local clock offset: -0.314 ms
Remote clock offset: -1.667 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 29.092 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 29.092 ms
Loss rate: 0.20%

Run 7: Report of Sprout — Data Link

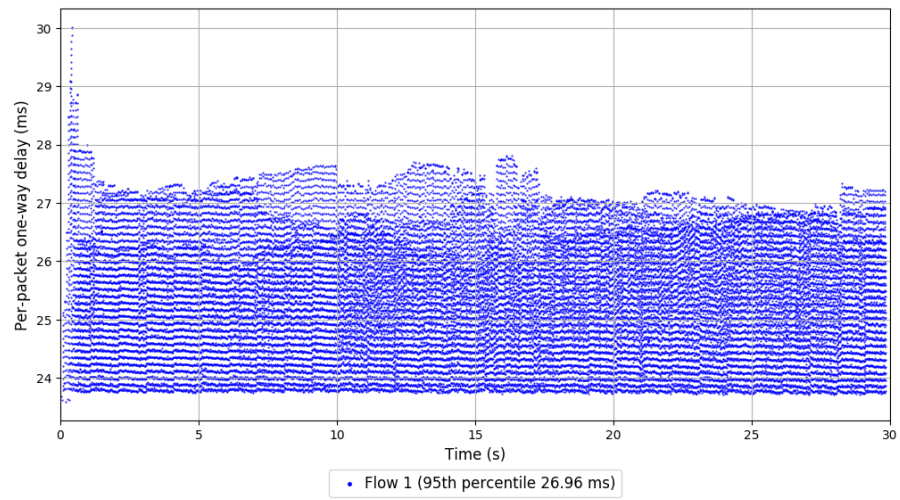
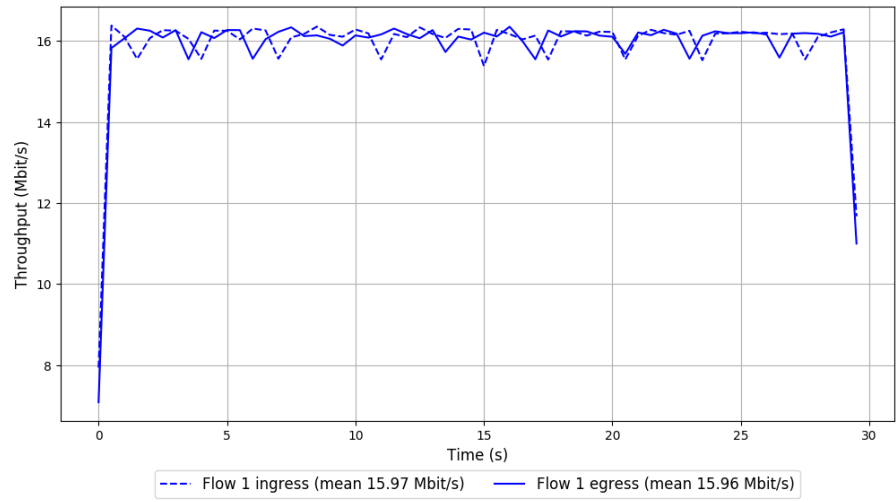


Run 8: Statistics of Sprout

Start at: 2018-01-16 12:57:33
End at: 2018-01-16 12:58:03
Local clock offset: -0.189 ms
Remote clock offset: -1.385 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 26.964 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 26.964 ms
Loss rate: 0.15%

Run 8: Report of Sprout — Data Link

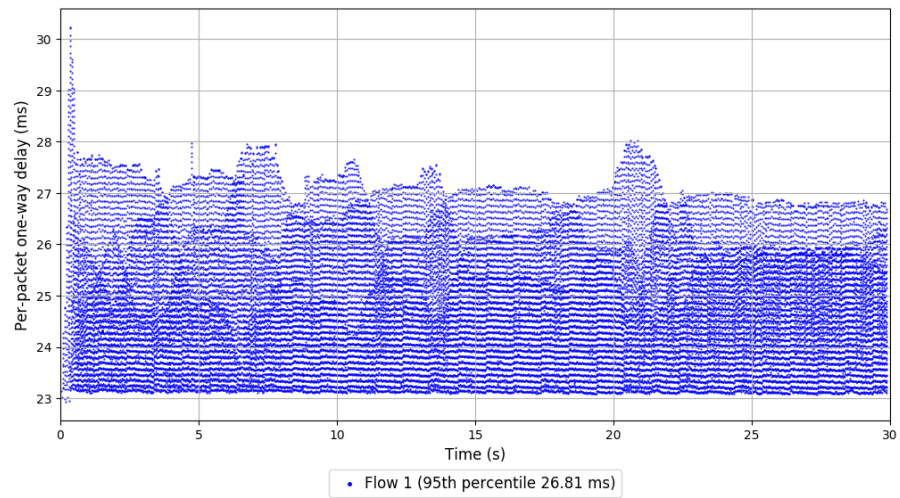
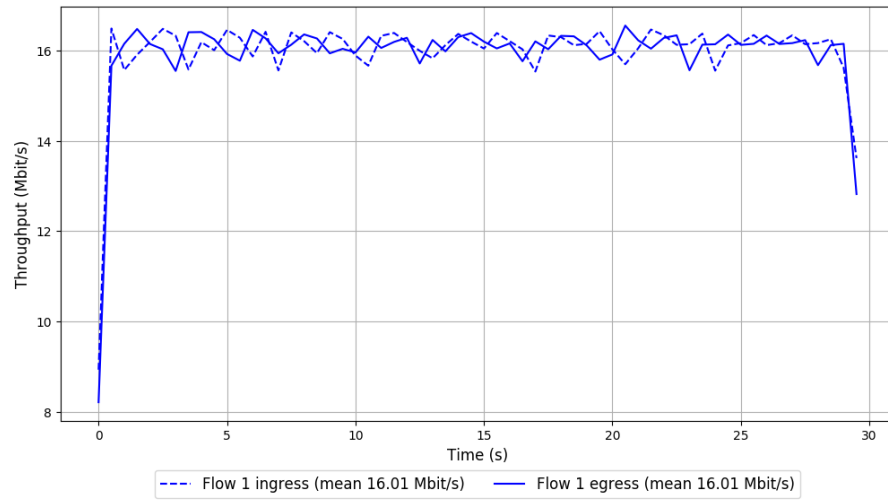


Run 9: Statistics of Sprout

Start at: 2018-01-16 13:21:45
End at: 2018-01-16 13:22:15
Local clock offset: -0.247 ms
Remote clock offset: -2.383 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 26.813 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 26.813 ms
Loss rate: 0.16%

Run 9: Report of Sprout — Data Link

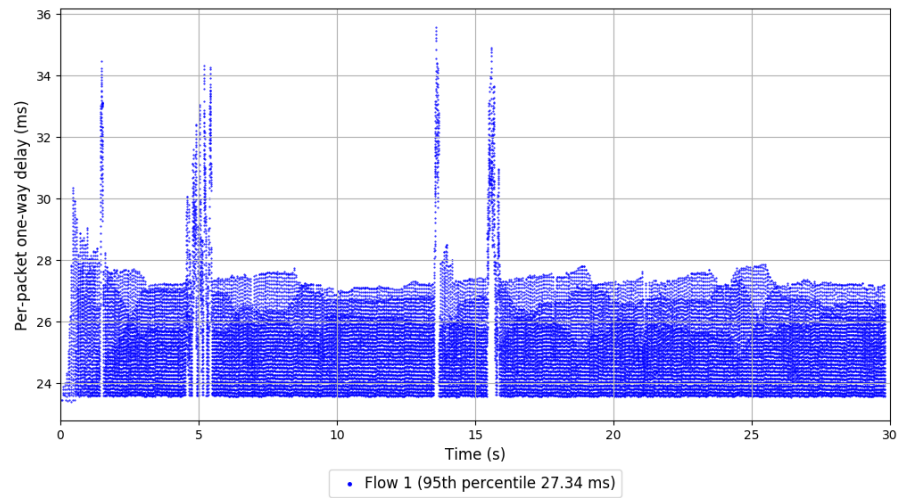
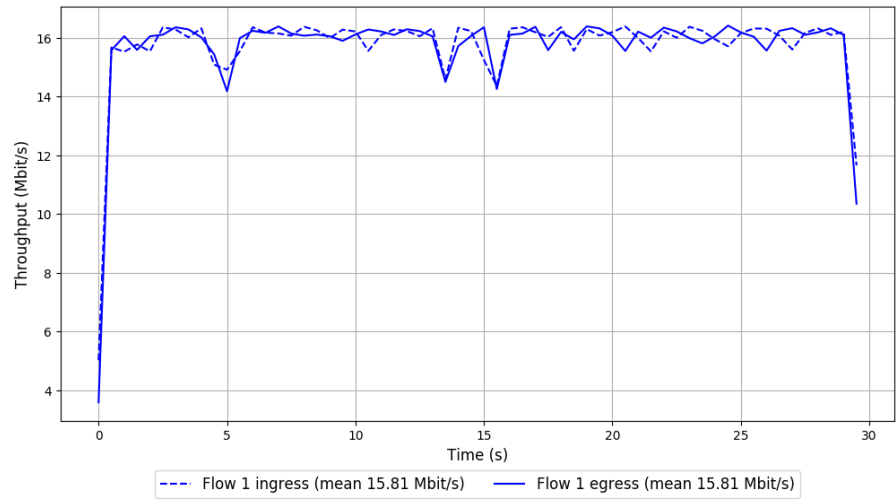


Run 10: Statistics of Sprout

Start at: 2018-01-16 13:45:55
End at: 2018-01-16 13:46:26
Local clock offset: -0.279 ms
Remote clock offset: -3.675 ms

Below is generated by plot.py at 2018-01-16 18:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 27.335 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 27.335 ms
Loss rate: 0.24%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 10:05:25

End at: 2018-01-16 10:05:55

Local clock offset: 0.069 ms

Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-01-16 18:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.30 Mbit/s

95th percentile per-packet one-way delay: 33.437 ms

Loss rate: 0.12%

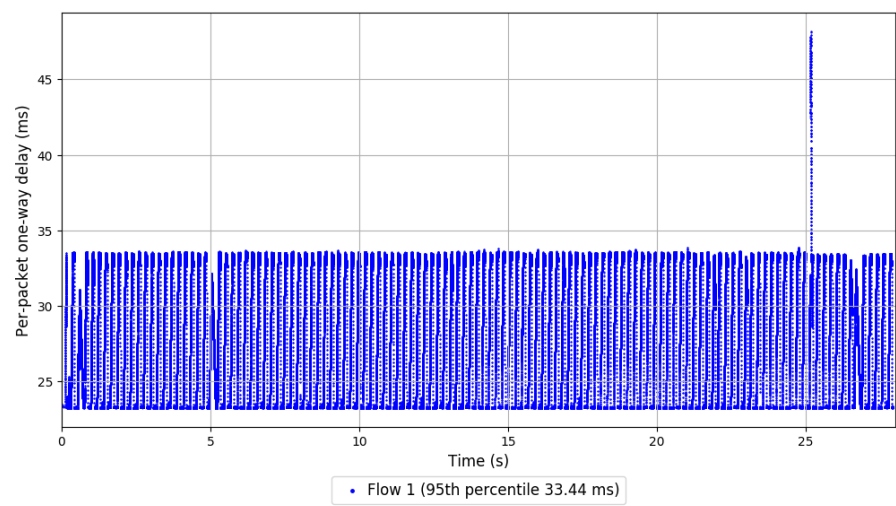
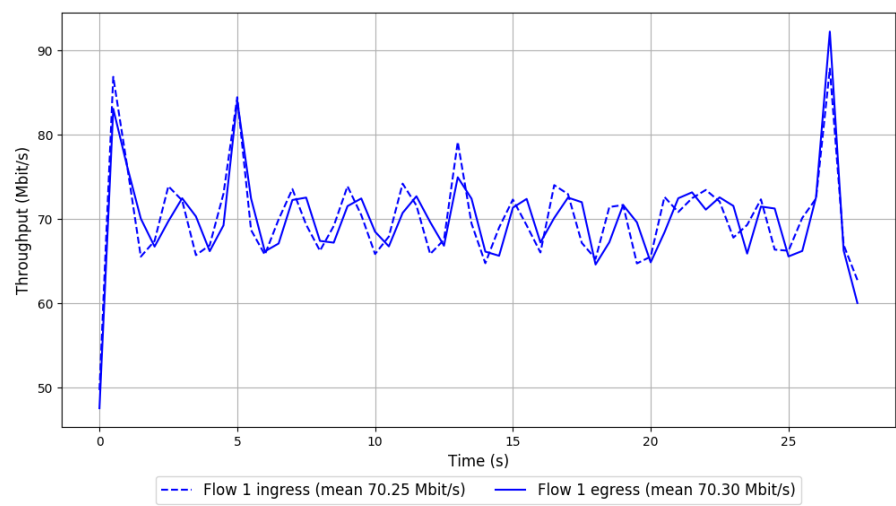
-- Flow 1:

Average throughput: 70.30 Mbit/s

95th percentile per-packet one-way delay: 33.437 ms

Loss rate: 0.12%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-01-16 10:29:36

End at: 2018-01-16 10:30:06

Local clock offset: -0.187 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-01-16 18:32:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.44 Mbit/s

95th percentile per-packet one-way delay: 33.261 ms

Loss rate: 0.21%

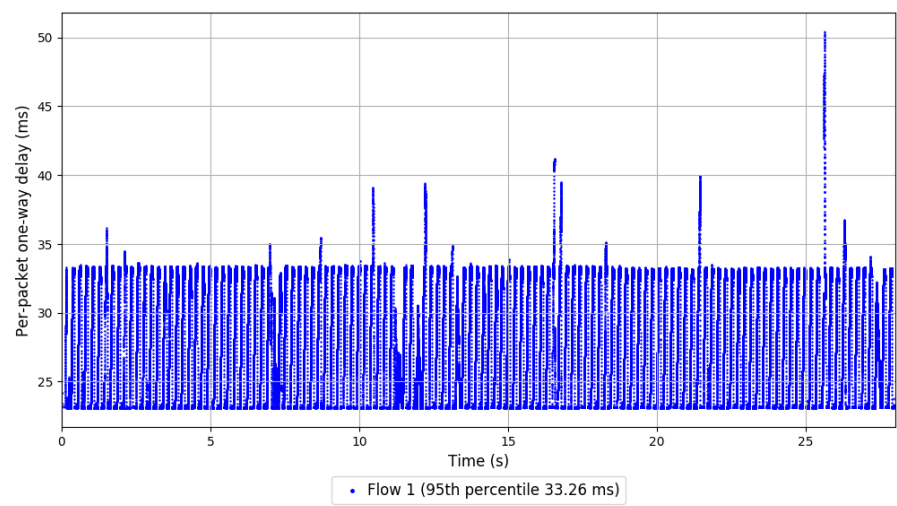
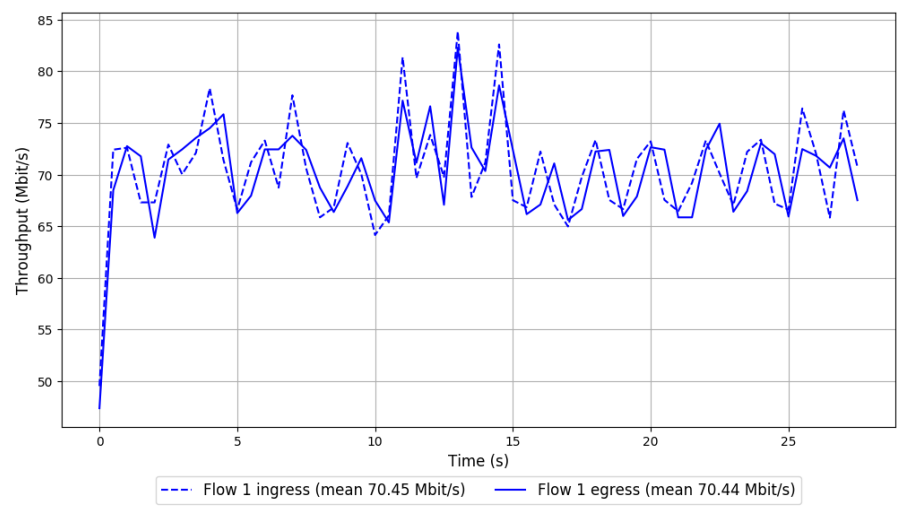
-- Flow 1:

Average throughput: 70.44 Mbit/s

95th percentile per-packet one-way delay: 33.261 ms

Loss rate: 0.21%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 10:53:52

End at: 2018-01-16 10:54:22

Local clock offset: -0.24 ms

Remote clock offset: 0.795 ms

Below is generated by plot.py at 2018-01-16 18:32:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.30 Mbit/s

95th percentile per-packet one-way delay: 33.188 ms

Loss rate: 0.25%

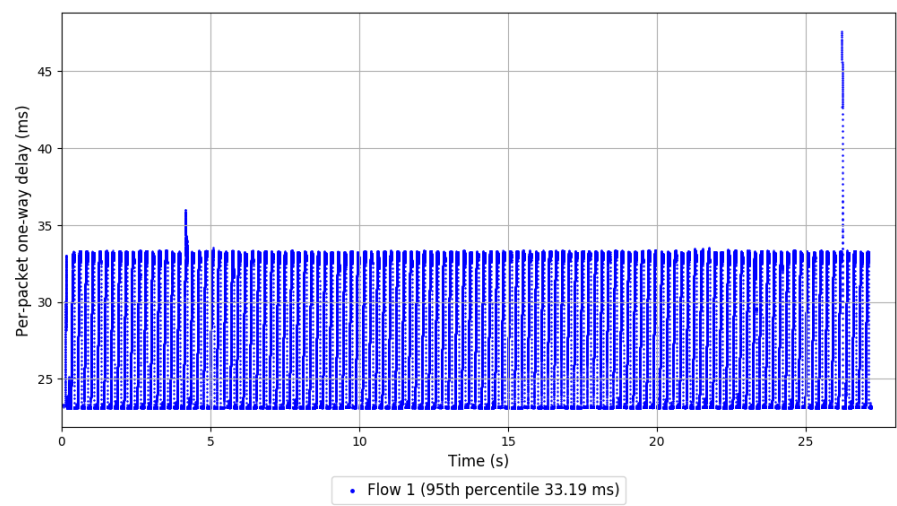
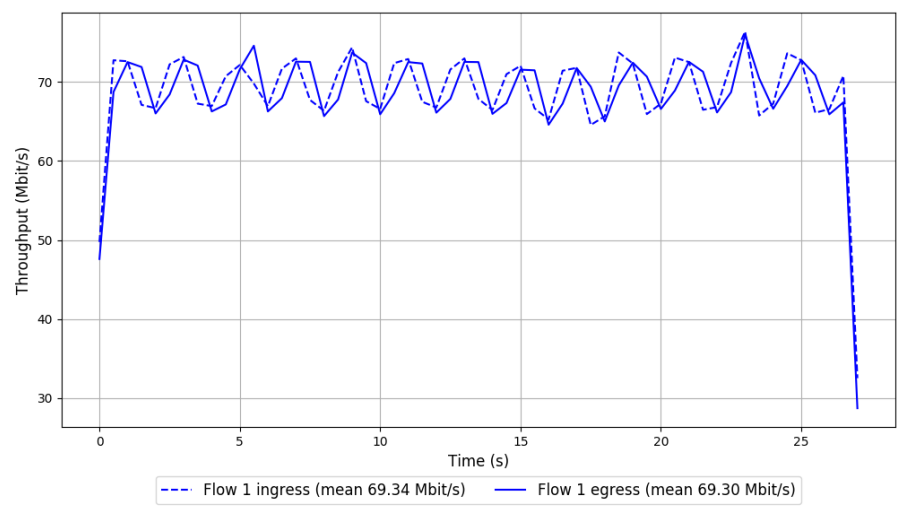
-- Flow 1:

Average throughput: 69.30 Mbit/s

95th percentile per-packet one-way delay: 33.188 ms

Loss rate: 0.25%

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

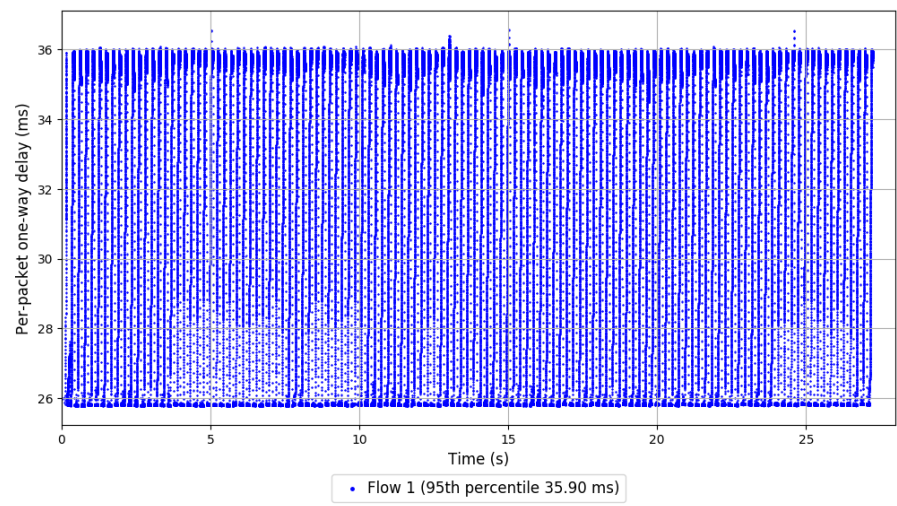
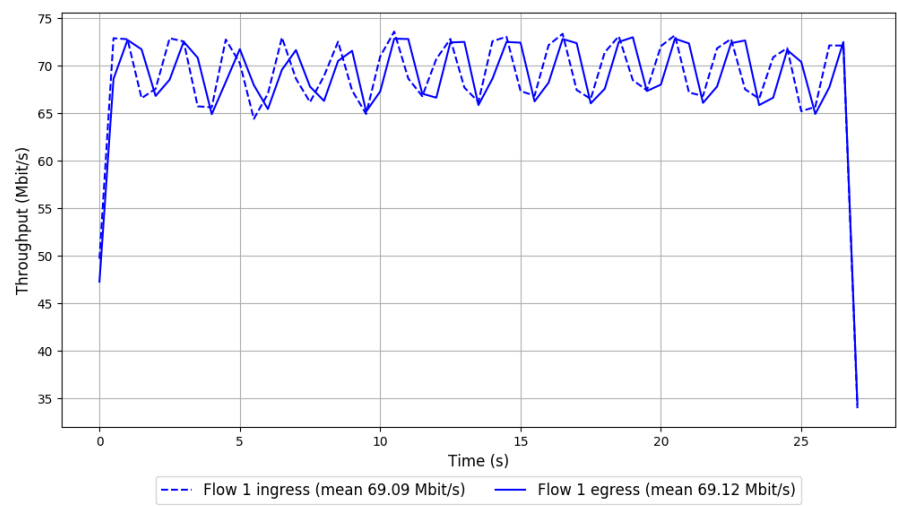


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-16 11:17:56
End at: 2018-01-16 11:18:26
Local clock offset: -0.202 ms
Remote clock offset: -1.152 ms

Below is generated by plot.py at 2018-01-16 18:32:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 35.895 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 35.895 ms
Loss rate: 0.16%

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

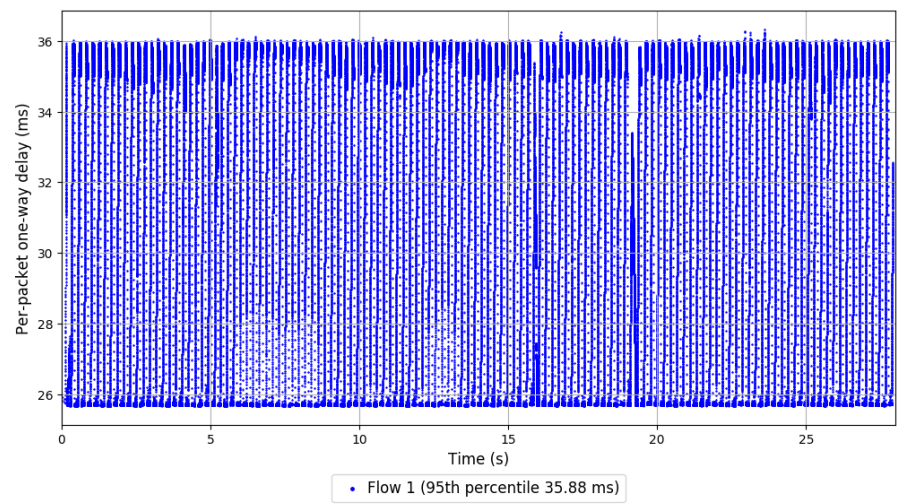
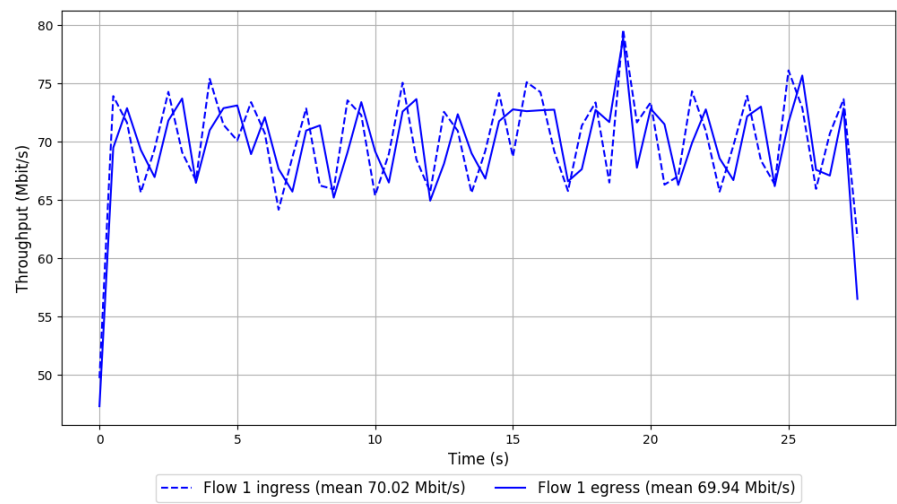


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-16 11:42:15
End at: 2018-01-16 11:42:45
Local clock offset: -0.203 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-01-16 18:33:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.94 Mbit/s
95th percentile per-packet one-way delay: 35.881 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 69.94 Mbit/s
95th percentile per-packet one-way delay: 35.881 ms
Loss rate: 0.31%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-16 12:06:32

End at: 2018-01-16 12:07:02

Local clock offset: -0.128 ms

Remote clock offset: 2.11 ms

Below is generated by plot.py at 2018-01-16 18:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.64 Mbit/s

95th percentile per-packet one-way delay: 33.317 ms

Loss rate: 0.34%

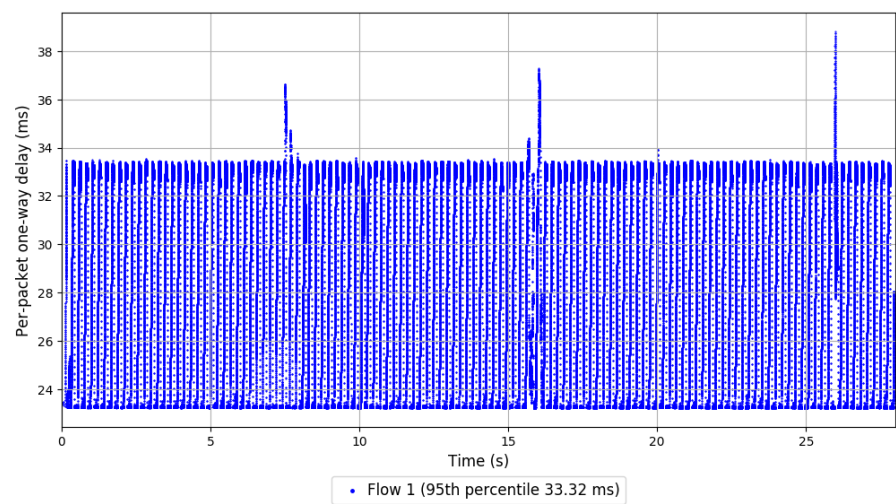
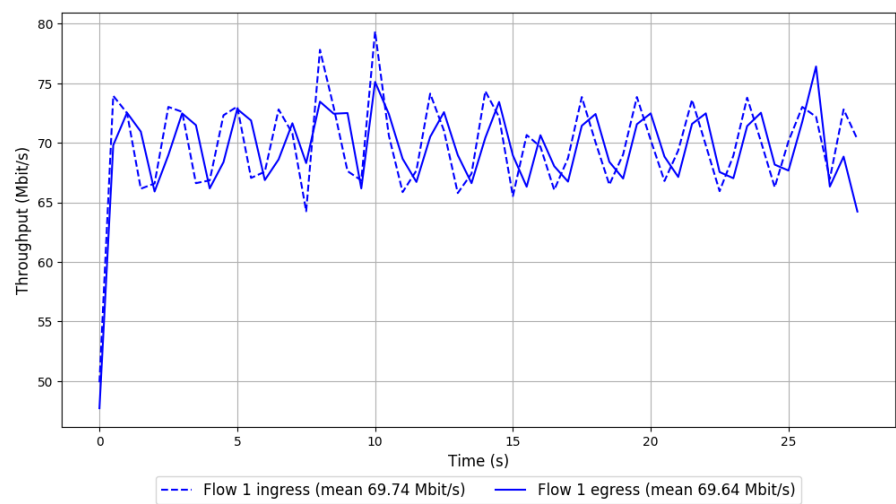
-- Flow 1:

Average throughput: 69.64 Mbit/s

95th percentile per-packet one-way delay: 33.317 ms

Loss rate: 0.34%

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

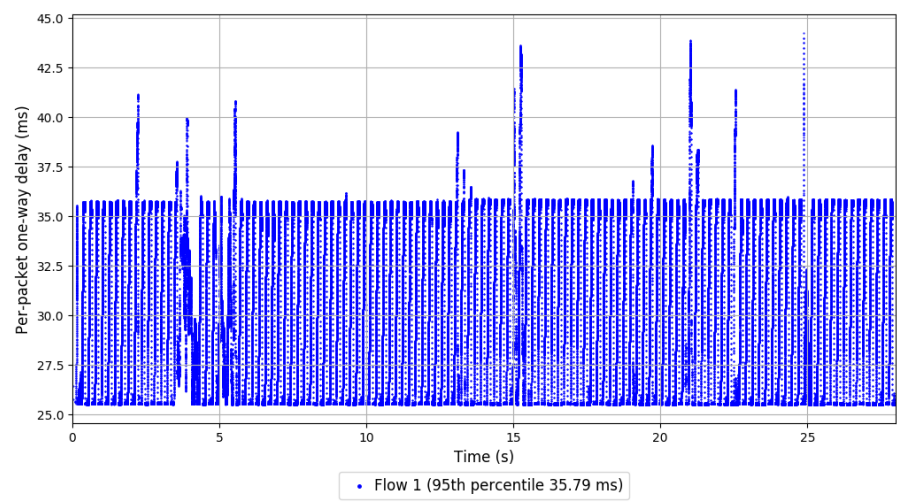
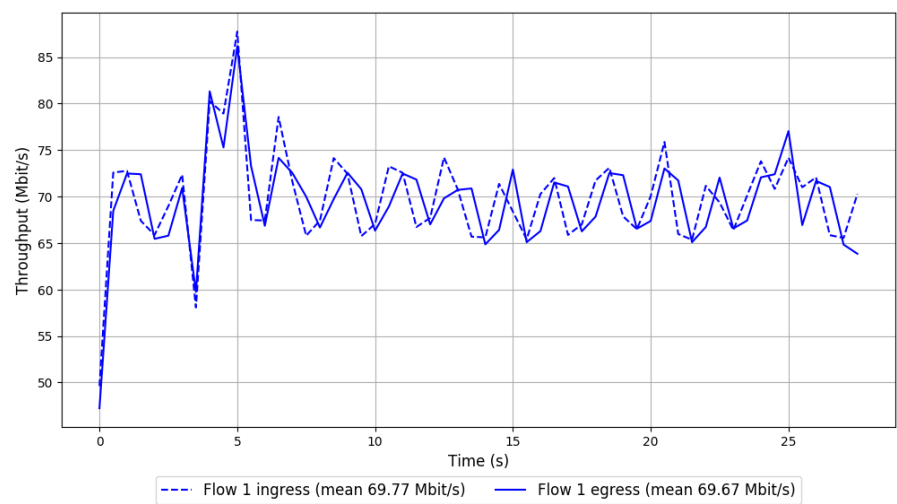


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-16 12:30:43
End at: 2018-01-16 12:31:13
Local clock offset: -0.318 ms
Remote clock offset: -1.298 ms

Below is generated by plot.py at 2018-01-16 18:33:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.67 Mbit/s
95th percentile per-packet one-way delay: 35.794 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 69.67 Mbit/s
95th percentile per-packet one-way delay: 35.794 ms
Loss rate: 0.33%

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

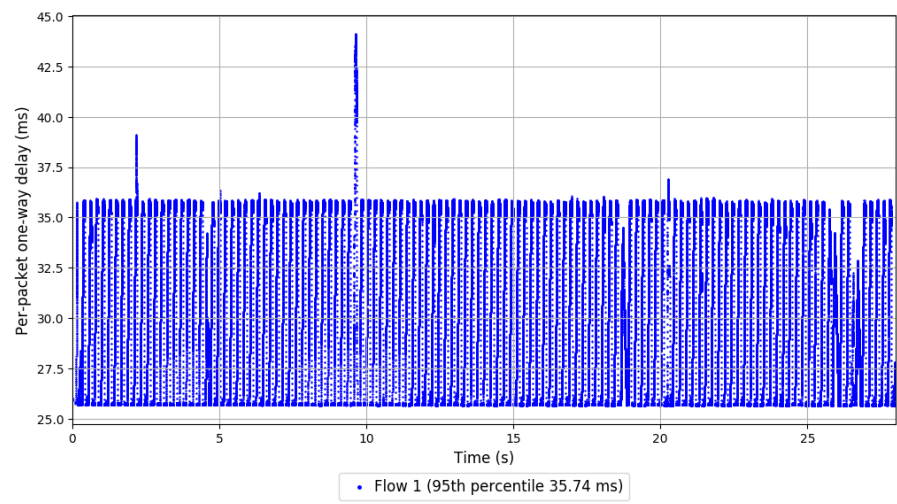
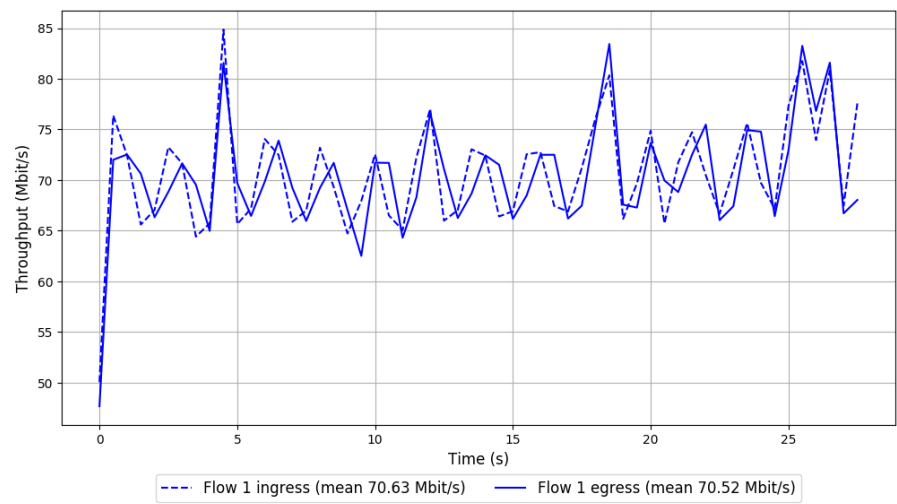


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-16 12:54:49
End at: 2018-01-16 12:55:19
Local clock offset: -0.26 ms
Remote clock offset: -3.221 ms

Below is generated by plot.py at 2018-01-16 18:33:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.52 Mbit/s
95th percentile per-packet one-way delay: 35.743 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 70.52 Mbit/s
95th percentile per-packet one-way delay: 35.743 ms
Loss rate: 0.34%

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

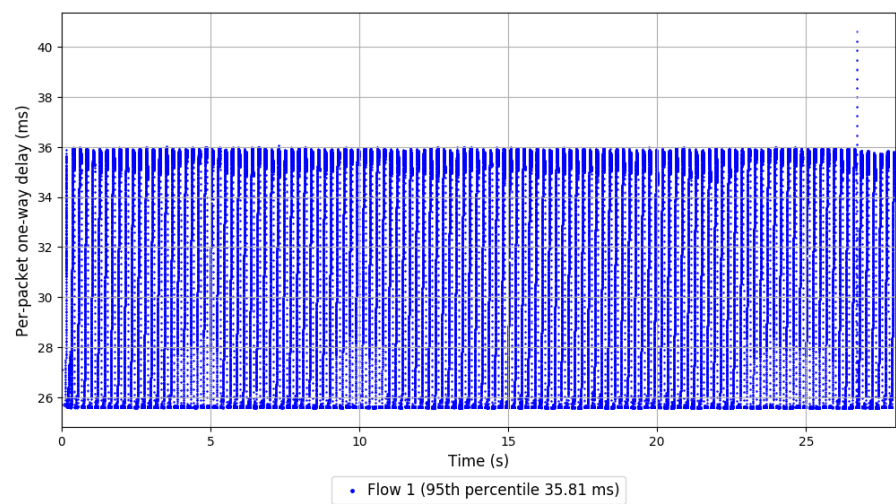
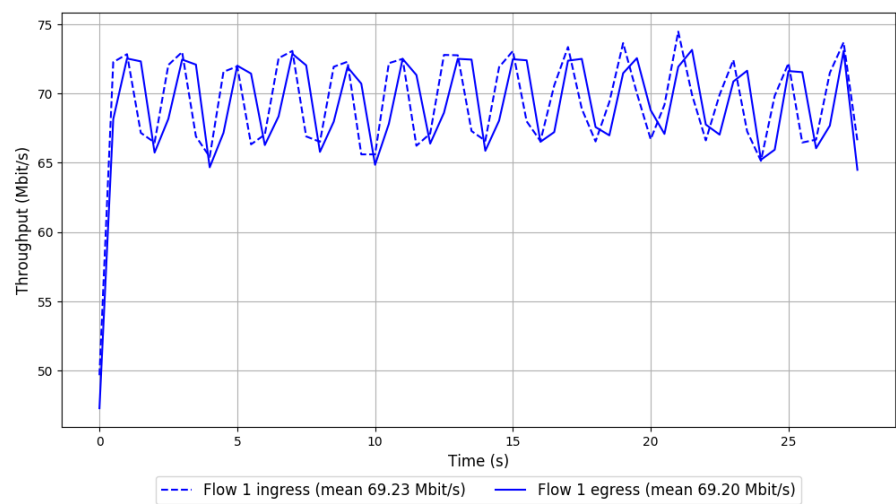


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-16 13:19:01
End at: 2018-01-16 13:19:31
Local clock offset: -0.313 ms
Remote clock offset: -4.797 ms

Below is generated by plot.py at 2018-01-16 18:34:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 35.807 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 35.807 ms
Loss rate: 0.23%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-16 13:43:12

End at: 2018-01-16 13:43:42

Local clock offset: -0.244 ms

Remote clock offset: -3.643 ms

Below is generated by plot.py at 2018-01-16 18:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.97 Mbit/s

95th percentile per-packet one-way delay: 33.738 ms

Loss rate: 0.30%

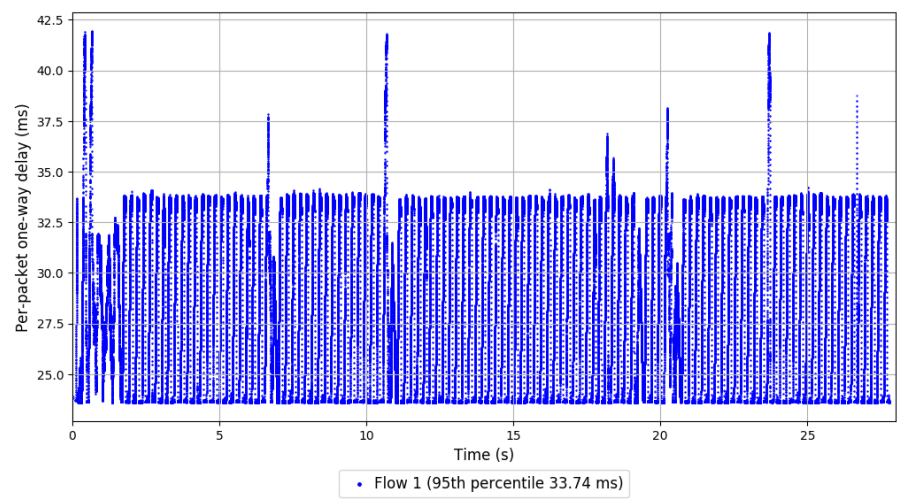
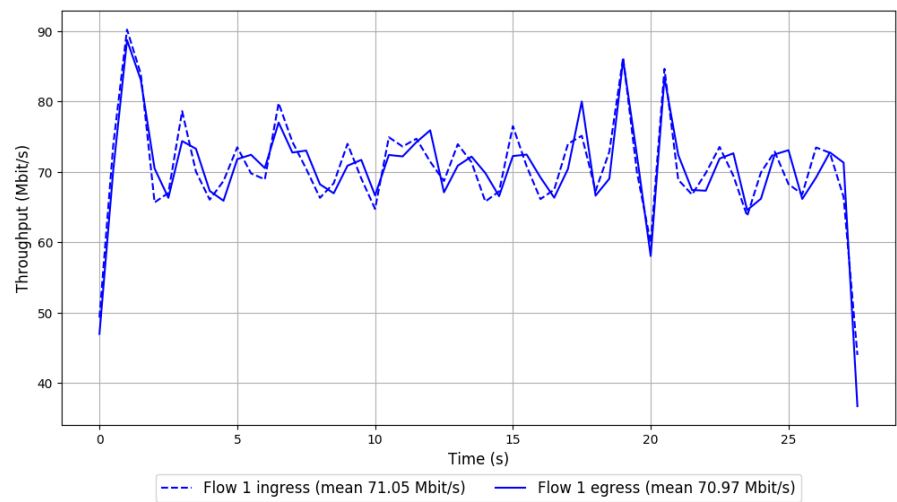
-- Flow 1:

Average throughput: 70.97 Mbit/s

95th percentile per-packet one-way delay: 33.738 ms

Loss rate: 0.30%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-16 10:18:51

End at: 2018-01-16 10:19:21

Local clock offset: -0.007 ms

Remote clock offset: -2.84 ms

Below is generated by plot.py at 2018-01-16 18:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.50 Mbit/s

95th percentile per-packet one-way delay: 37.770 ms

Loss rate: 0.31%

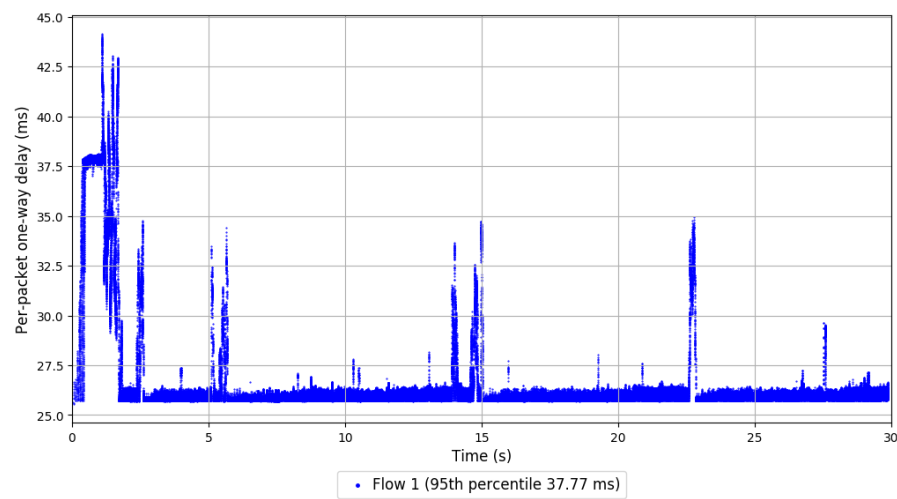
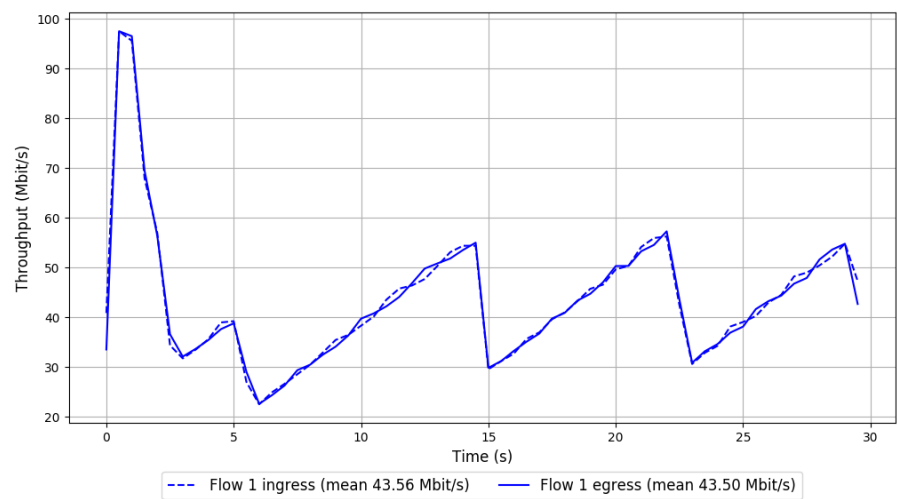
-- Flow 1:

Average throughput: 43.50 Mbit/s

95th percentile per-packet one-way delay: 37.770 ms

Loss rate: 0.31%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 10:43:08

End at: 2018-01-16 10:43:38

Local clock offset: -0.17 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-01-16 18:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 35.704 ms

Loss rate: 0.18%

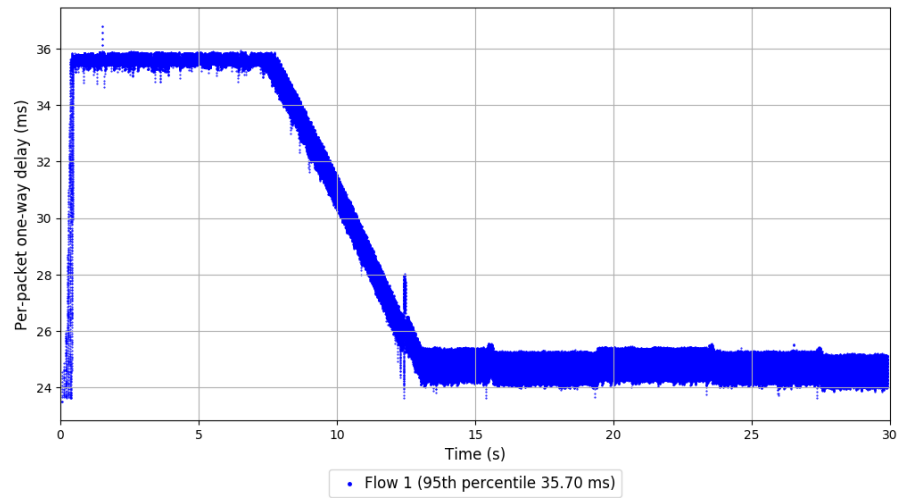
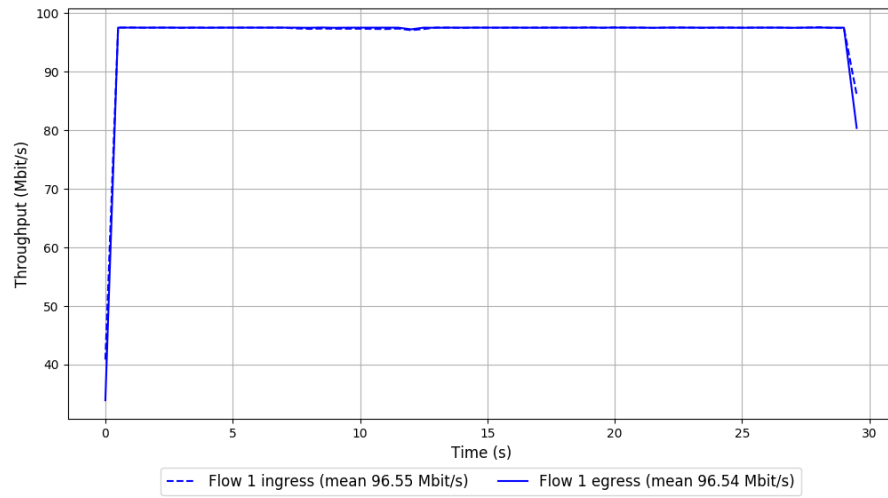
-- Flow 1:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 35.704 ms

Loss rate: 0.18%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-16 11:07:10

End at: 2018-01-16 11:07:40

Local clock offset: -0.233 ms

Remote clock offset: 0.662 ms

Below is generated by plot.py at 2018-01-16 18:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 31.647 ms

Loss rate: 0.18%

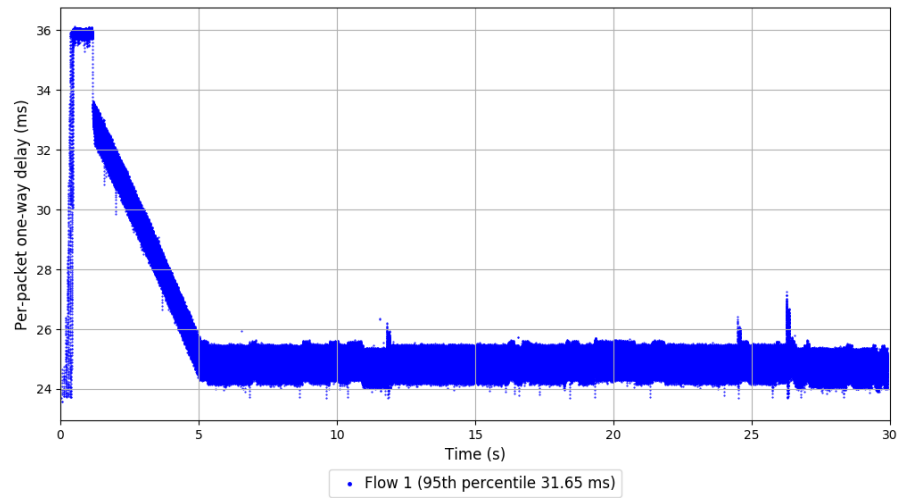
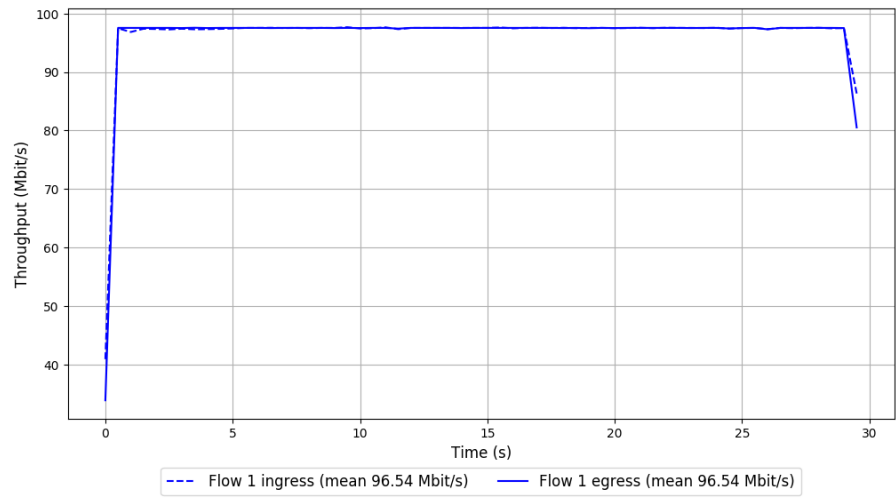
-- Flow 1:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 31.647 ms

Loss rate: 0.18%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-16 11:31:19

End at: 2018-01-16 11:31:49

Local clock offset: -0.21 ms

Remote clock offset: 1.331 ms

Below is generated by plot.py at 2018-01-16 18:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.27 Mbit/s

95th percentile per-packet one-way delay: 35.919 ms

Loss rate: 0.12%

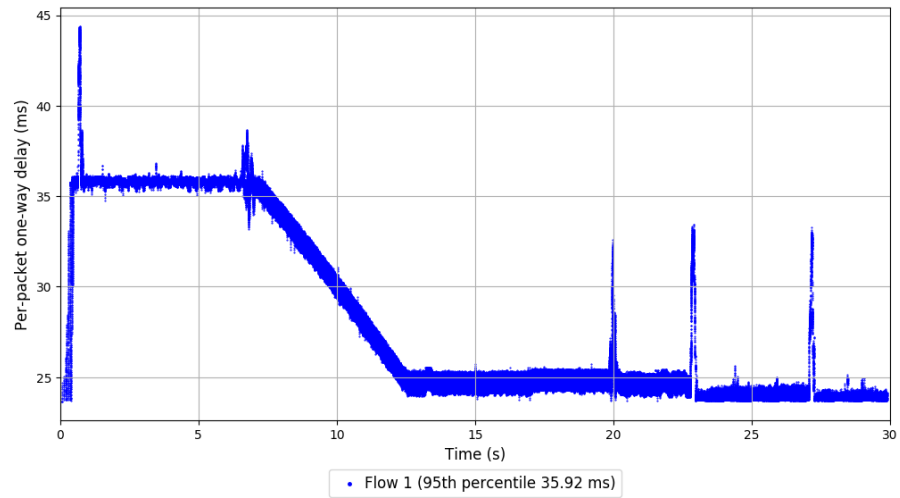
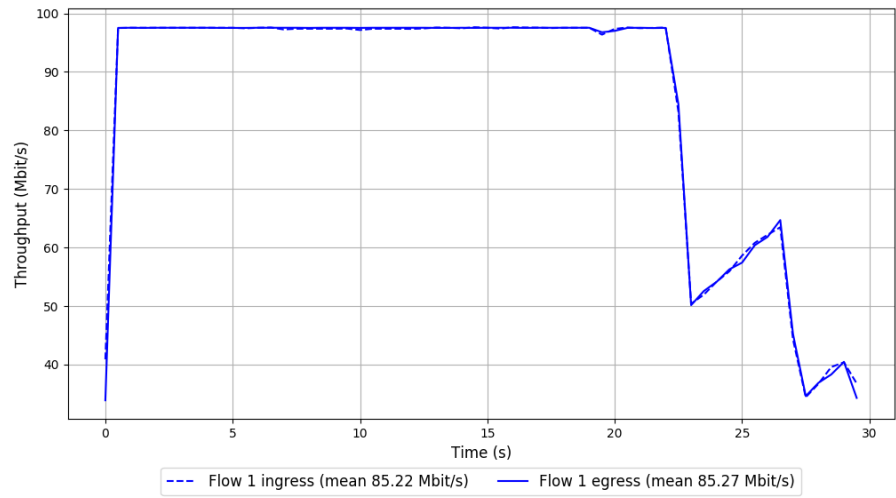
-- Flow 1:

Average throughput: 85.27 Mbit/s

95th percentile per-packet one-way delay: 35.919 ms

Loss rate: 0.12%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-16 11:55:46

End at: 2018-01-16 11:56:16

Local clock offset: -0.221 ms

Remote clock offset: 2.318 ms

Below is generated by plot.py at 2018-01-16 18:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.00 Mbit/s

95th percentile per-packet one-way delay: 35.169 ms

Loss rate: 0.28%

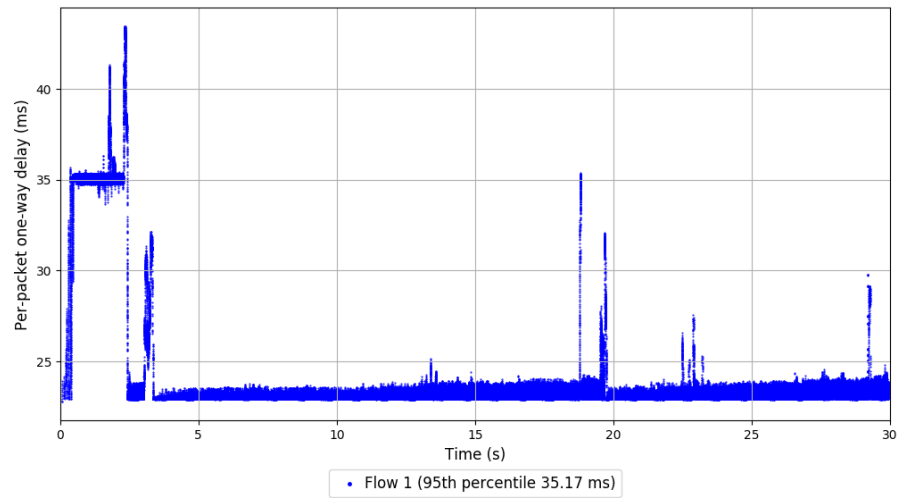
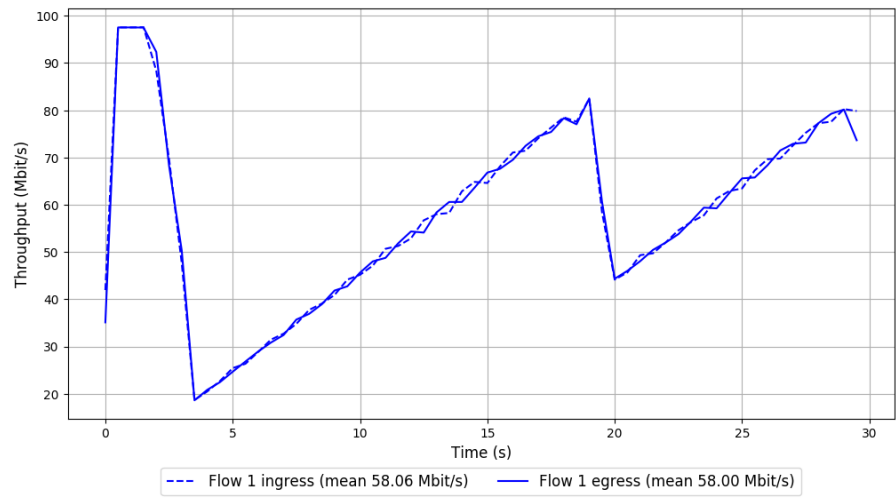
-- Flow 1:

Average throughput: 58.00 Mbit/s

95th percentile per-packet one-way delay: 35.169 ms

Loss rate: 0.28%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-16 12:19:51

End at: 2018-01-16 12:20:21

Local clock offset: -0.219 ms

Remote clock offset: 1.188 ms

Below is generated by plot.py at 2018-01-16 18:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 35.752 ms

Loss rate: 0.18%

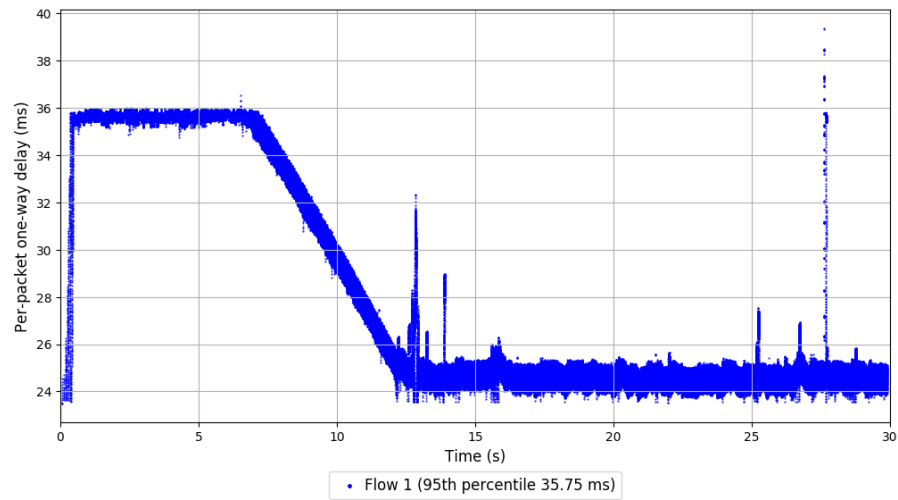
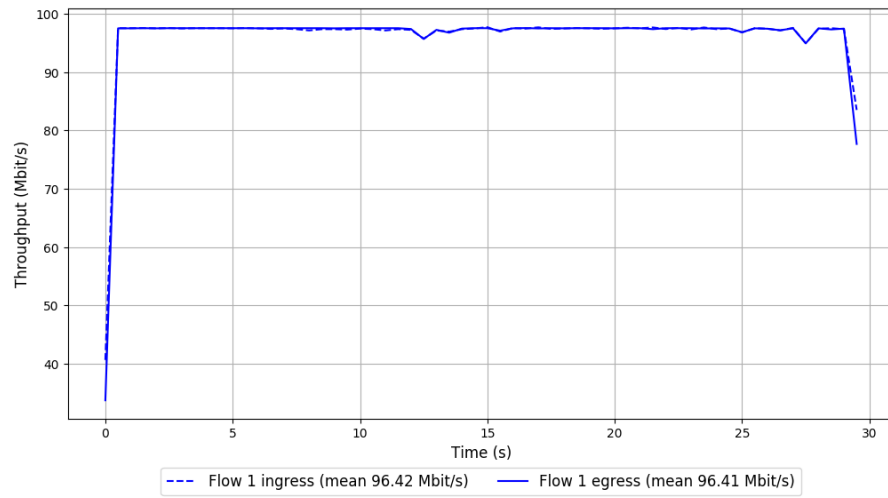
-- Flow 1:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 35.752 ms

Loss rate: 0.18%

Run 6: Report of TCP Vegas — Data Link

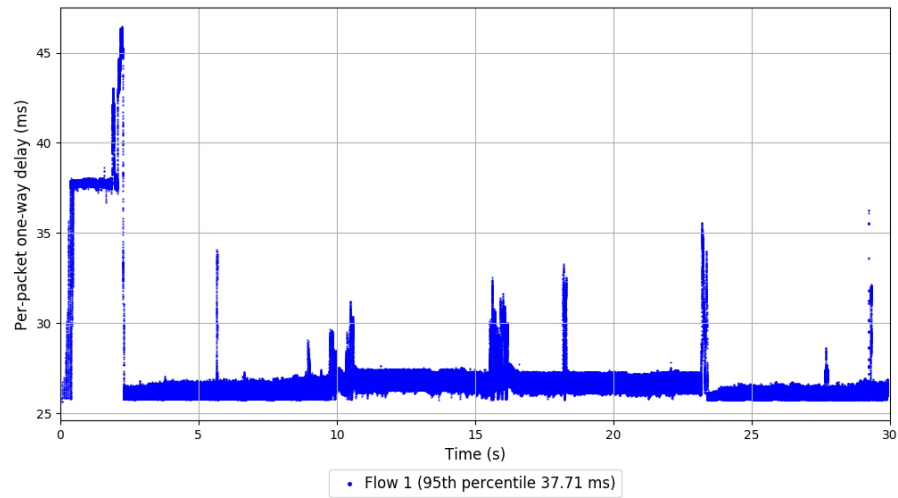
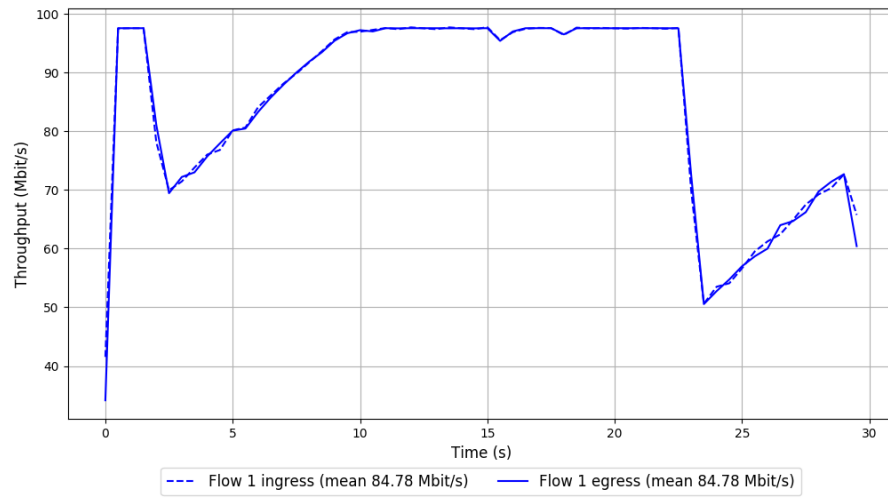


Run 7: Statistics of TCP Vegas

Start at: 2018-01-16 12:44:05
End at: 2018-01-16 12:44:35
Local clock offset: -0.264 ms
Remote clock offset: -2.457 ms

Below is generated by plot.py at 2018-01-16 18:34:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 37.707 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 37.707 ms
Loss rate: 0.18%

Run 7: Report of TCP Vegas — Data Link

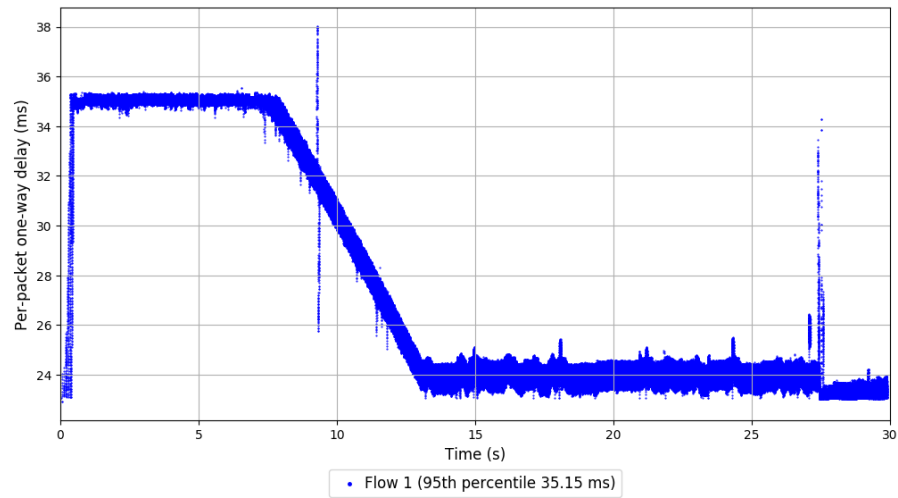
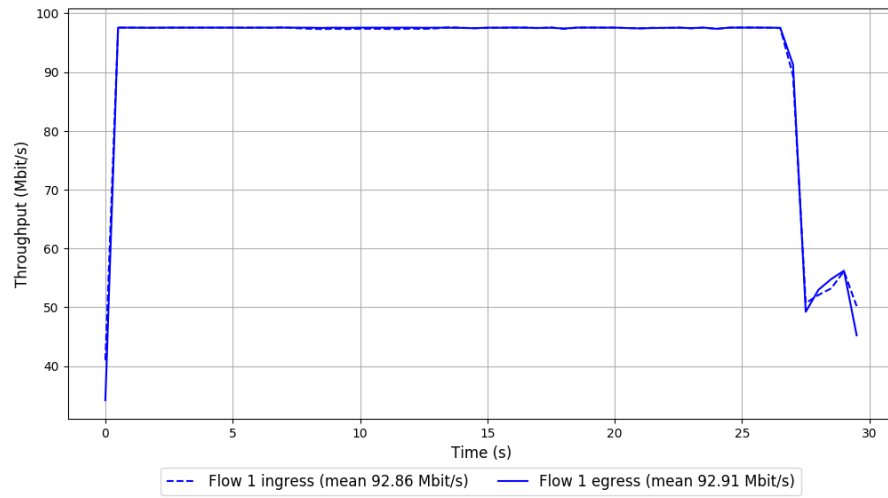


Run 8: Statistics of TCP Vegas

Start at: 2018-01-16 13:08:12
End at: 2018-01-16 13:08:42
Local clock offset: -0.252 ms
Remote clock offset: -1.622 ms

Below is generated by plot.py at 2018-01-16 18:35:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 35.154 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 35.154 ms
Loss rate: 0.12%

Run 8: Report of TCP Vegas — Data Link

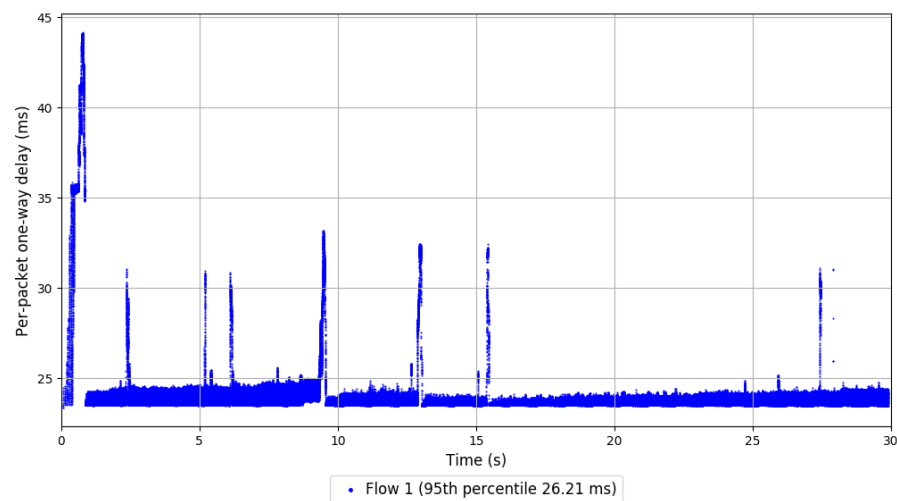
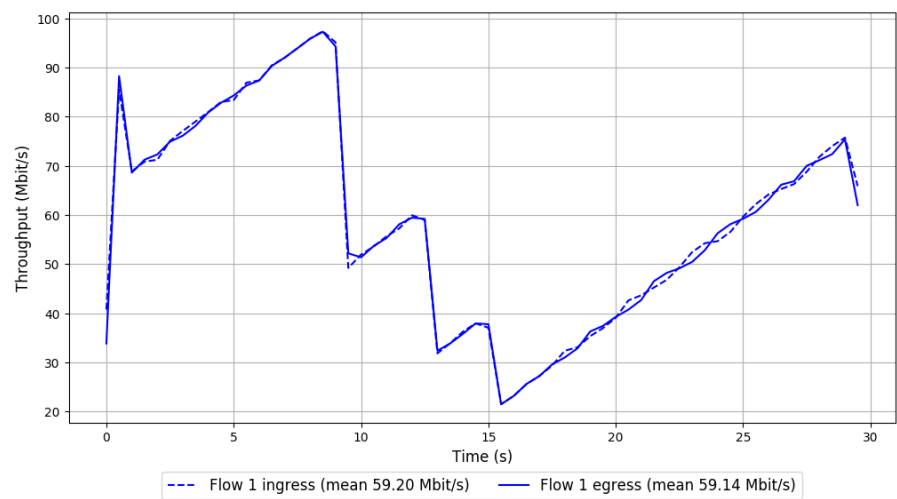


Run 9: Statistics of TCP Vegas

Start at: 2018-01-16 13:32:28
End at: 2018-01-16 13:32:58
Local clock offset: -0.312 ms
Remote clock offset: -3.472 ms

Below is generated by plot.py at 2018-01-16 18:35:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 26.213 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 26.213 ms
Loss rate: 0.28%

Run 9: Report of TCP Vegas — Data Link

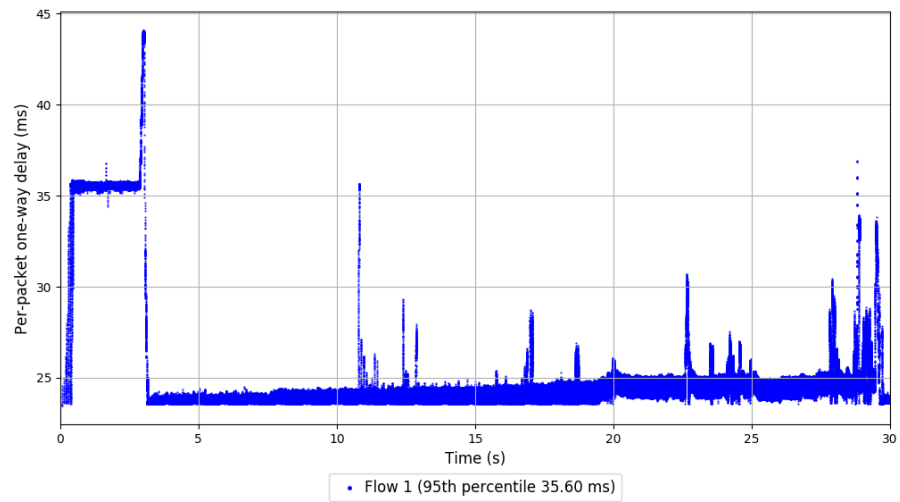
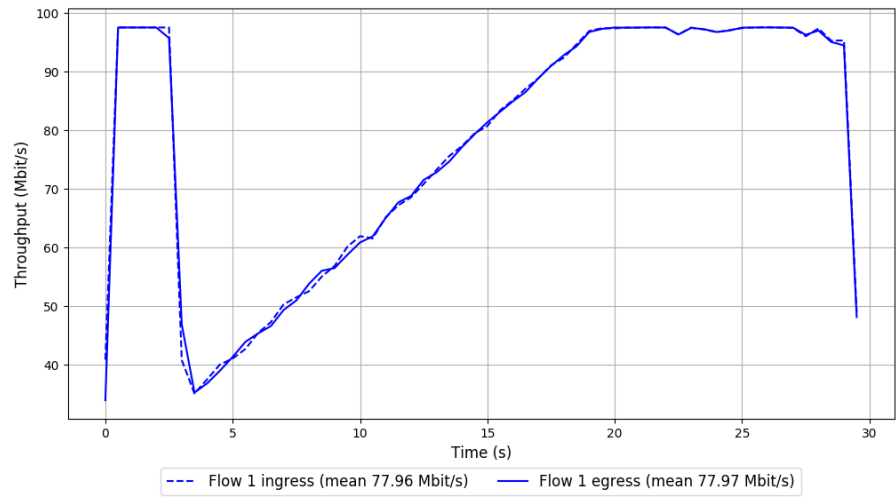


Run 10: Statistics of TCP Vegas

Start at: 2018-01-16 13:56:37
End at: 2018-01-16 13:57:07
Local clock offset: -0.323 ms
Remote clock offset: -3.754 ms

Below is generated by plot.py at 2018-01-16 18:35:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.97 Mbit/s
95th percentile per-packet one-way delay: 35.599 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 77.97 Mbit/s
95th percentile per-packet one-way delay: 35.599 ms
Loss rate: 0.17%

Run 10: Report of TCP Vegas — Data Link

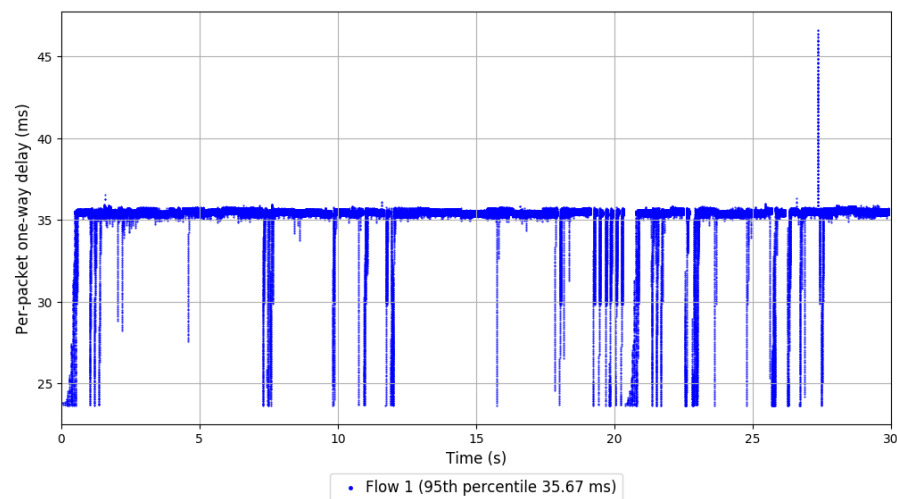
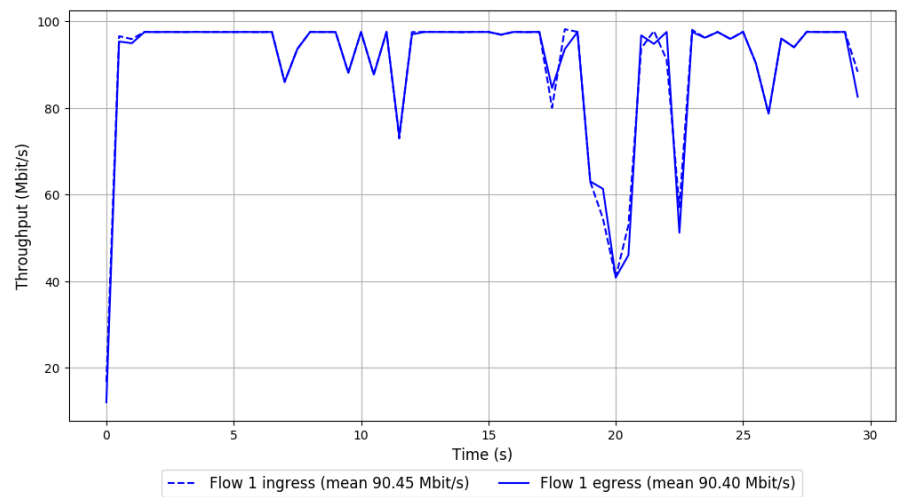


Run 1: Statistics of Verus

Start at: 2018-01-16 10:06:47
End at: 2018-01-16 10:07:17
Local clock offset: 0.014 ms
Remote clock offset: -0.985 ms

Below is generated by plot.py at 2018-01-16 18:35:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 35.670 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 35.670 ms
Loss rate: 0.23%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-16 10:30:58

End at: 2018-01-16 10:31:28

Local clock offset: -0.215 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-01-16 18:35:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.76 Mbit/s

95th percentile per-packet one-way delay: 40.219 ms

Loss rate: 0.43%

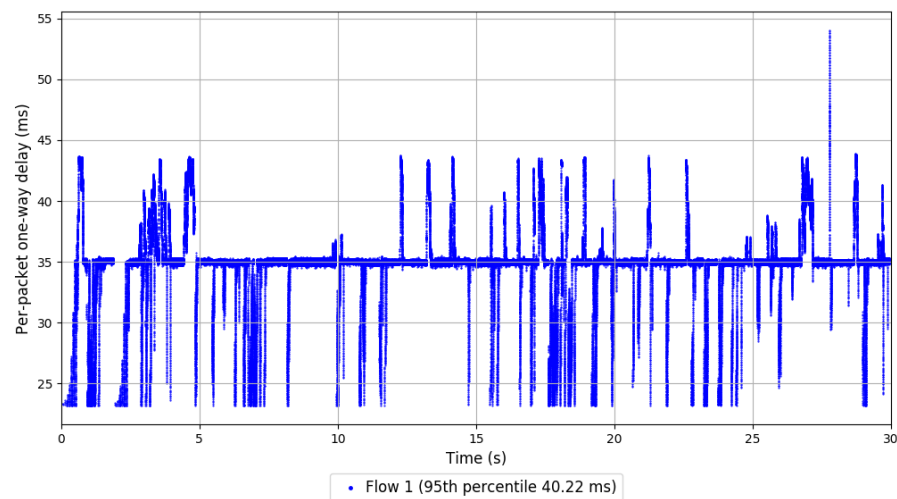
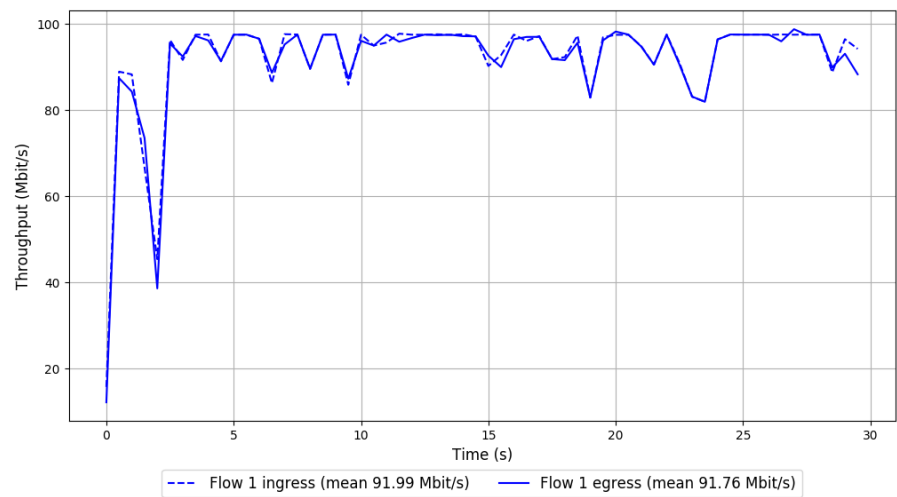
-- Flow 1:

Average throughput: 91.76 Mbit/s

95th percentile per-packet one-way delay: 40.219 ms

Loss rate: 0.43%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-16 10:55:13

End at: 2018-01-16 10:55:43

Local clock offset: -0.288 ms

Remote clock offset: 0.799 ms

Below is generated by plot.py at 2018-01-16 18:35:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.82 Mbit/s

95th percentile per-packet one-way delay: 35.240 ms

Loss rate: 0.26%

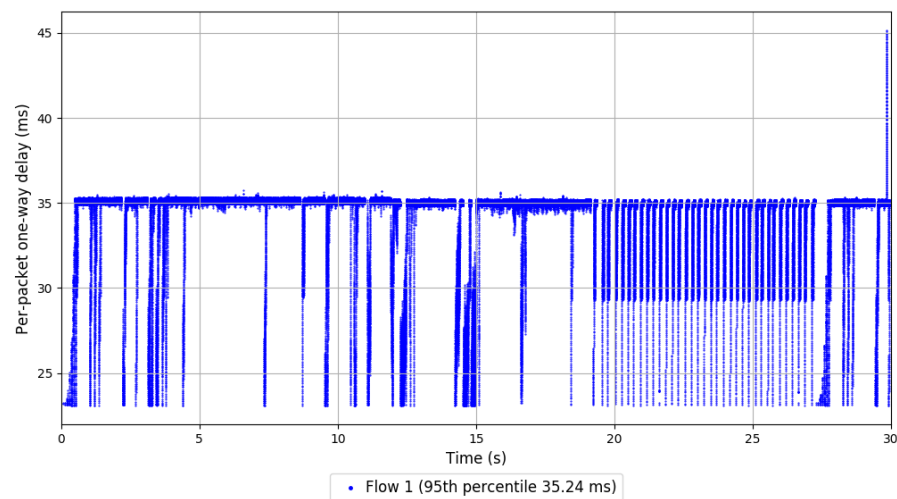
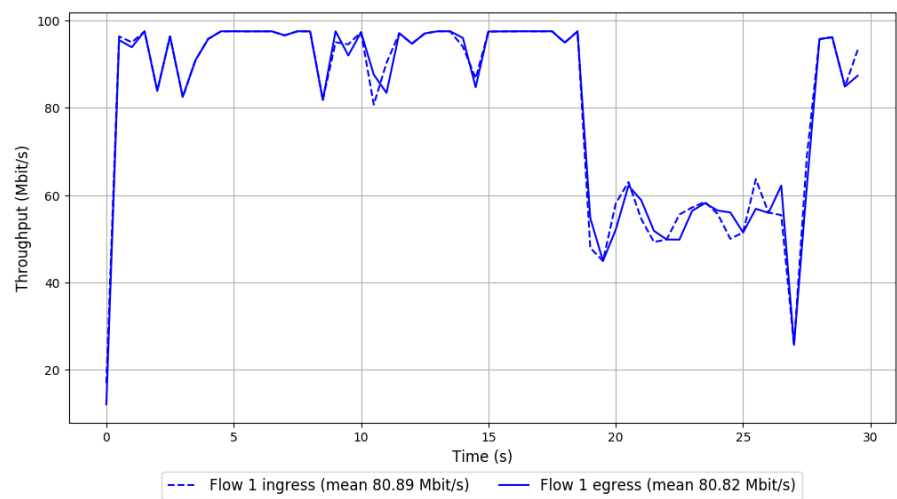
-- Flow 1:

Average throughput: 80.82 Mbit/s

95th percentile per-packet one-way delay: 35.240 ms

Loss rate: 0.26%

Run 3: Report of Verus — Data Link

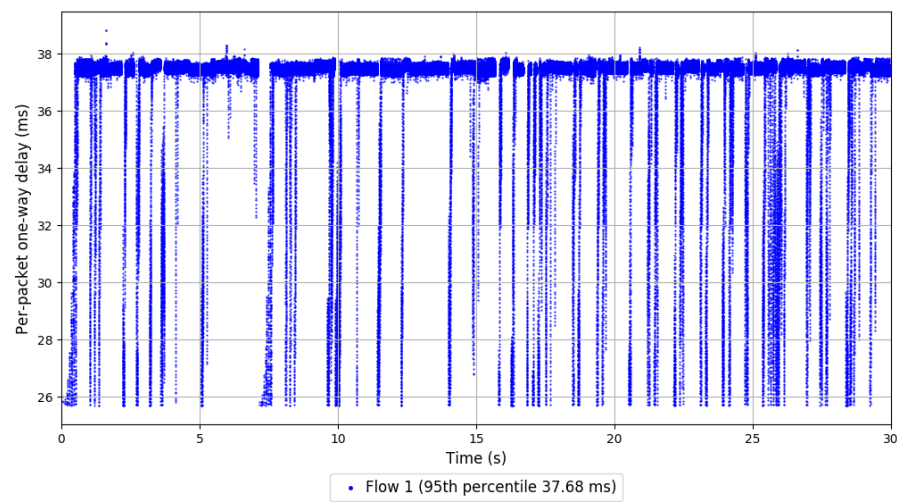
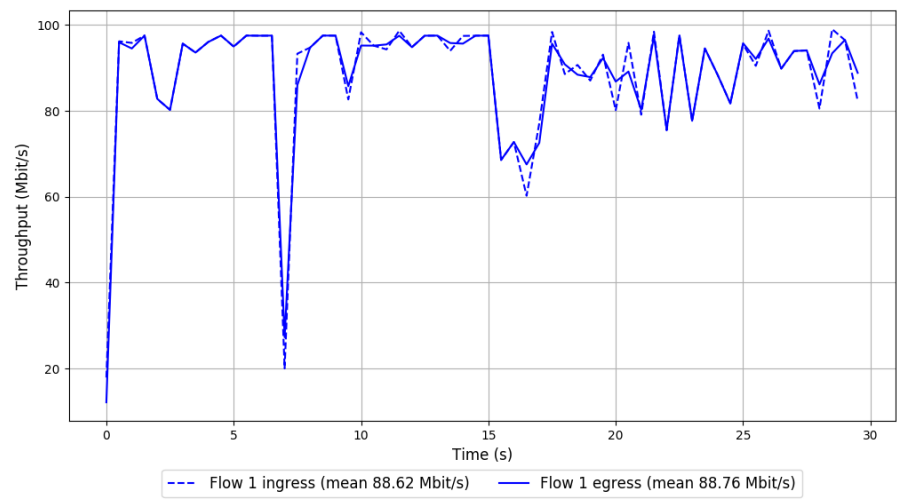


Run 4: Statistics of Verus

Start at: 2018-01-16 11:19:17
End at: 2018-01-16 11:19:47
Local clock offset: -0.202 ms
Remote clock offset: -1.012 ms

Below is generated by plot.py at 2018-01-16 18:35:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 37.680 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 37.680 ms
Loss rate: 0.01%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-16 11:43:36

End at: 2018-01-16 11:44:06

Local clock offset: -0.302 ms

Remote clock offset: 1.662 ms

Below is generated by plot.py at 2018-01-16 18:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.87 Mbit/s

95th percentile per-packet one-way delay: 35.608 ms

Loss rate: 0.33%

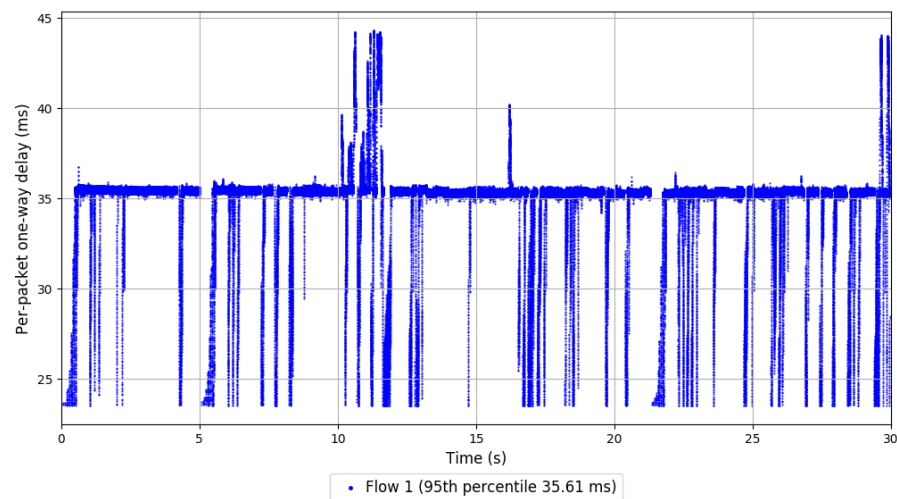
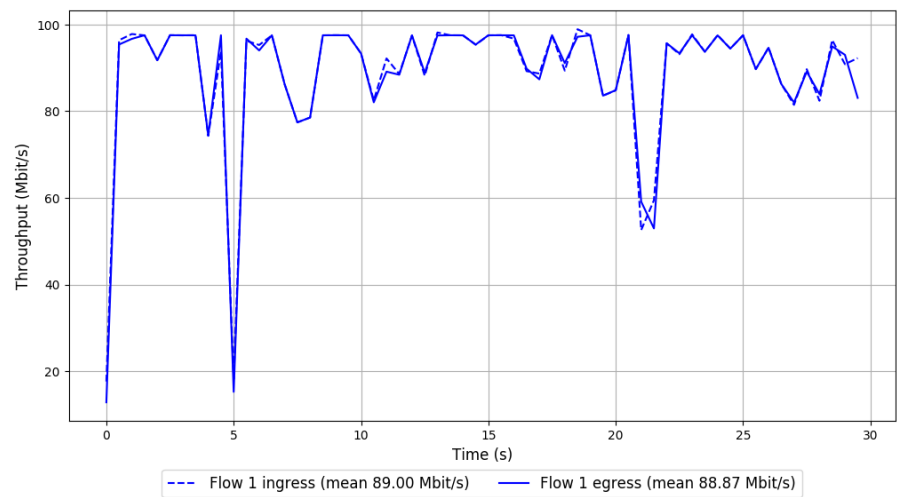
-- Flow 1:

Average throughput: 88.87 Mbit/s

95th percentile per-packet one-way delay: 35.608 ms

Loss rate: 0.33%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-16 12:07:54

End at: 2018-01-16 12:08:24

Local clock offset: -0.163 ms

Remote clock offset: 1.645 ms

Below is generated by plot.py at 2018-01-16 18:36:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 36.746 ms

Loss rate: 0.34%

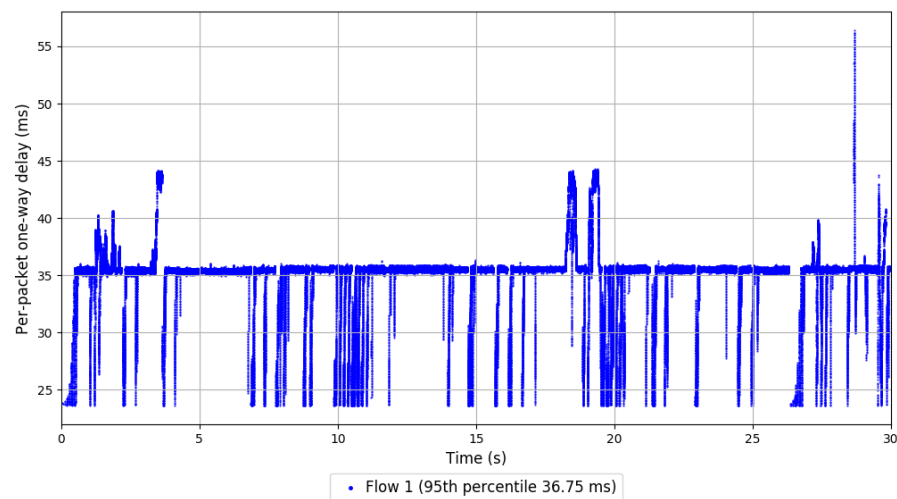
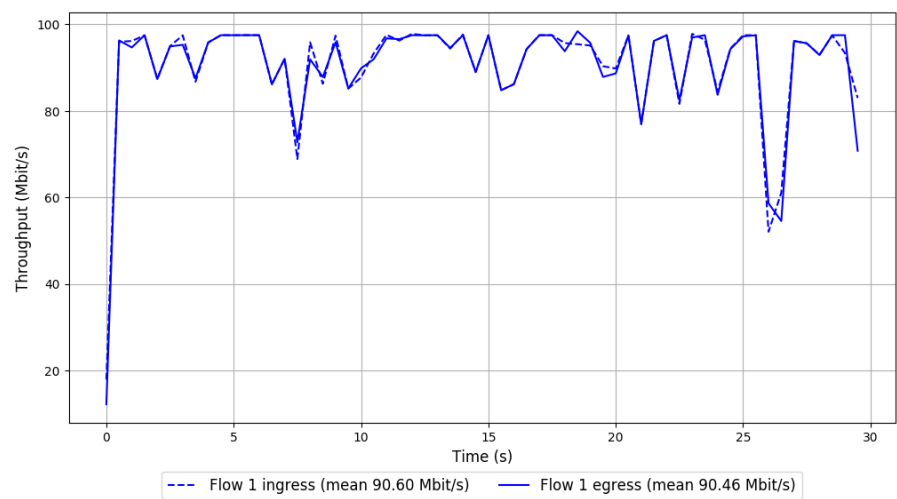
-- Flow 1:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 36.746 ms

Loss rate: 0.34%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-16 12:32:04

End at: 2018-01-16 12:32:34

Local clock offset: -0.216 ms

Remote clock offset: 0.681 ms

Below is generated by plot.py at 2018-01-16 18:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.22 Mbit/s

95th percentile per-packet one-way delay: 39.127 ms

Loss rate: 0.29%

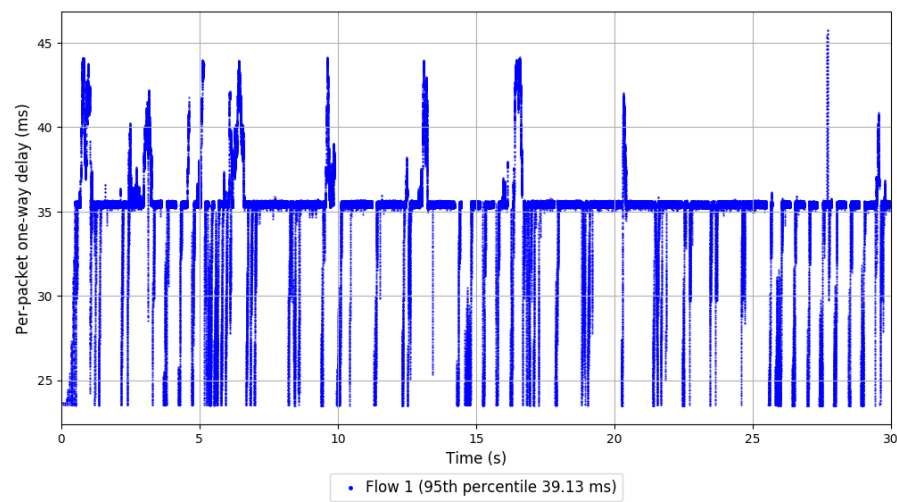
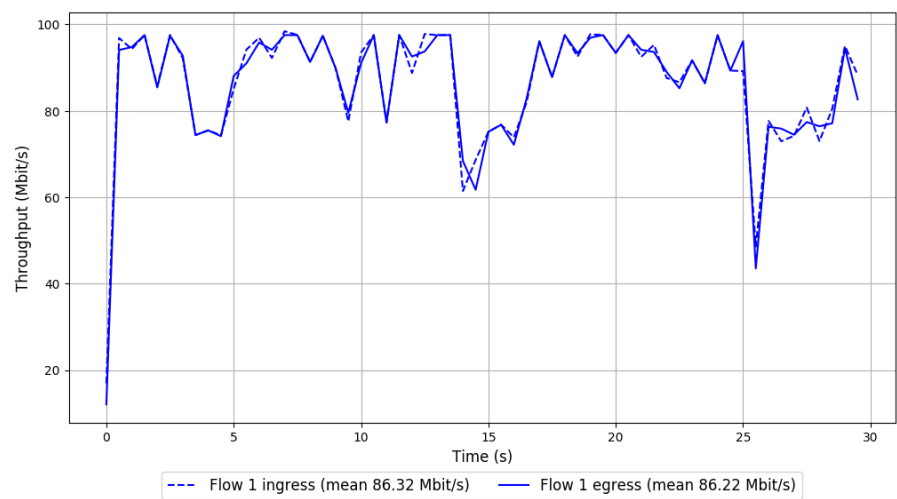
-- Flow 1:

Average throughput: 86.22 Mbit/s

95th percentile per-packet one-way delay: 39.127 ms

Loss rate: 0.29%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-16 12:56:11

End at: 2018-01-16 12:56:41

Local clock offset: -0.336 ms

Remote clock offset: -0.82 ms

Below is generated by plot.py at 2018-01-16 18:36:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.09 Mbit/s

95th percentile per-packet one-way delay: 35.182 ms

Loss rate: 0.24%

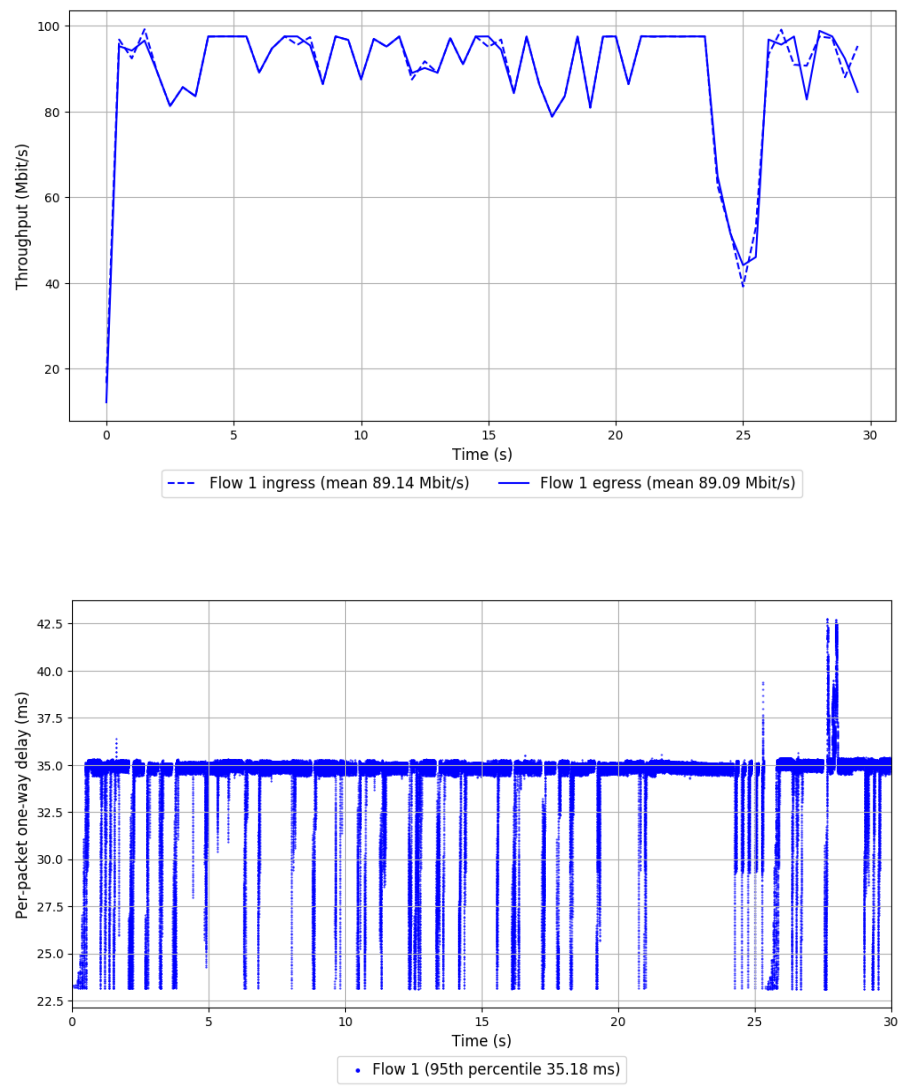
-- Flow 1:

Average throughput: 89.09 Mbit/s

95th percentile per-packet one-way delay: 35.182 ms

Loss rate: 0.24%

Run 8: Report of Verus — Data Link

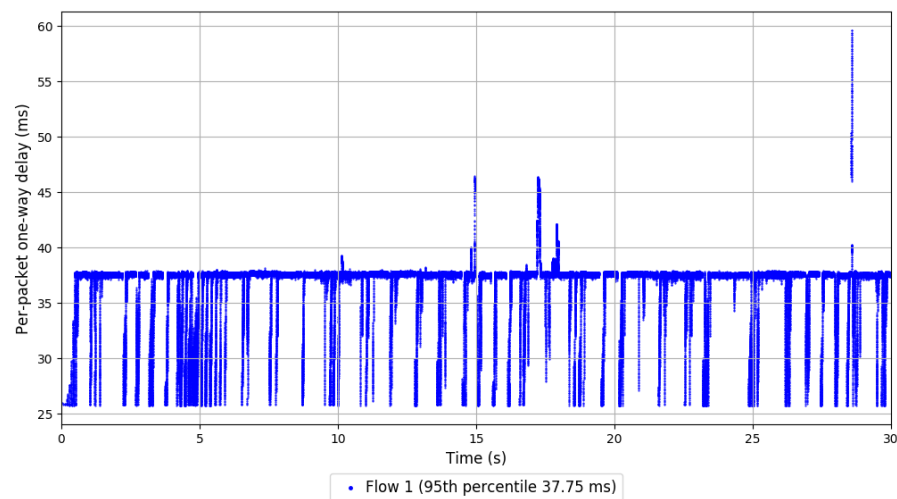
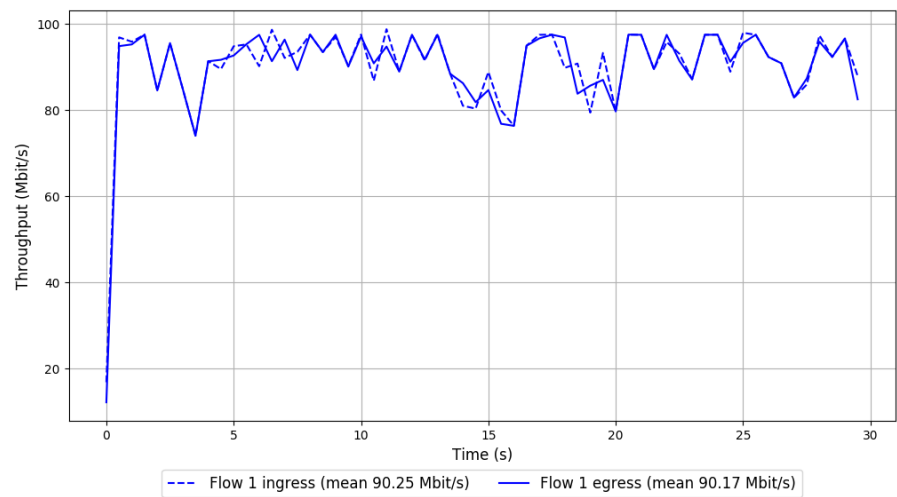


Run 9: Statistics of Verus

Start at: 2018-01-16 13:20:23
End at: 2018-01-16 13:20:53
Local clock offset: -0.221 ms
Remote clock offset: -4.977 ms

Below is generated by plot.py at 2018-01-16 18:36:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.17 Mbit/s
95th percentile per-packet one-way delay: 37.751 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 90.17 Mbit/s
95th percentile per-packet one-way delay: 37.751 ms
Loss rate: 0.26%

Run 9: Report of Verus — Data Link

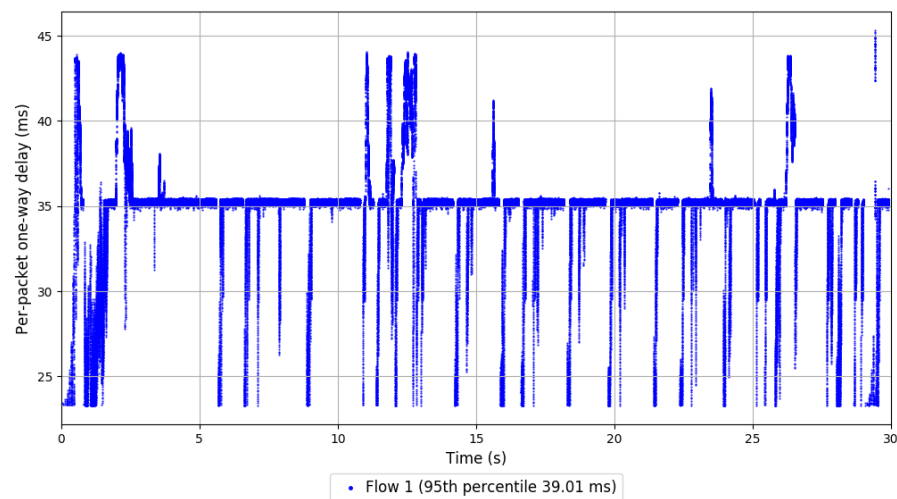
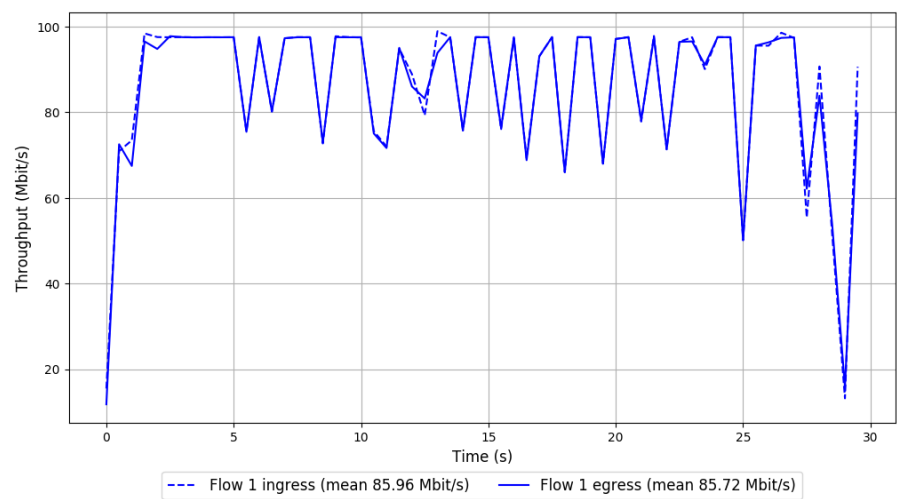


Run 10: Statistics of Verus

Start at: 2018-01-16 13:44:34
End at: 2018-01-16 13:45:04
Local clock offset: -0.262 ms
Remote clock offset: -3.327 ms

Below is generated by plot.py at 2018-01-16 18:36:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 39.007 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 39.007 ms
Loss rate: 0.46%

Run 10: Report of Verus — Data Link

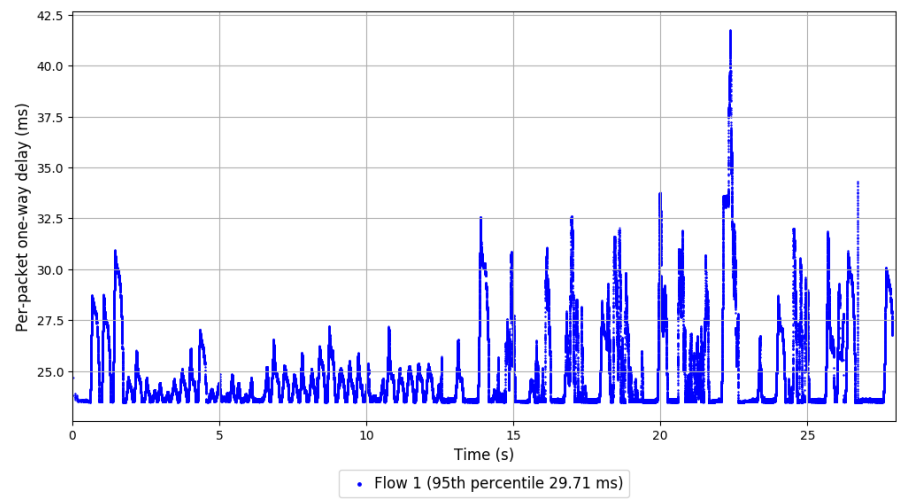
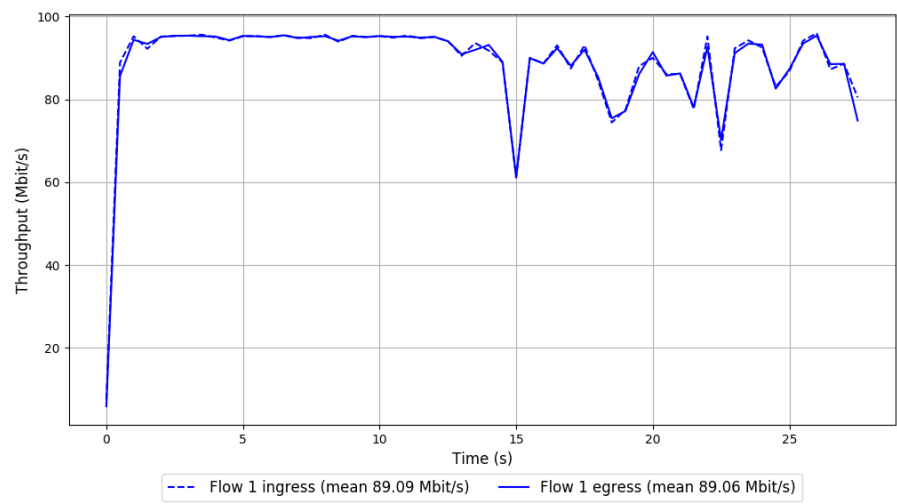


Run 1: Statistics of Copa

Start at: 2018-01-16 10:01:18
End at: 2018-01-16 10:01:48
Local clock offset: 0.068 ms
Remote clock offset: -0.732 ms

Below is generated by plot.py at 2018-01-16 18:37:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 29.709 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 29.709 ms
Loss rate: 0.23%

Run 1: Report of Copa — Data Link

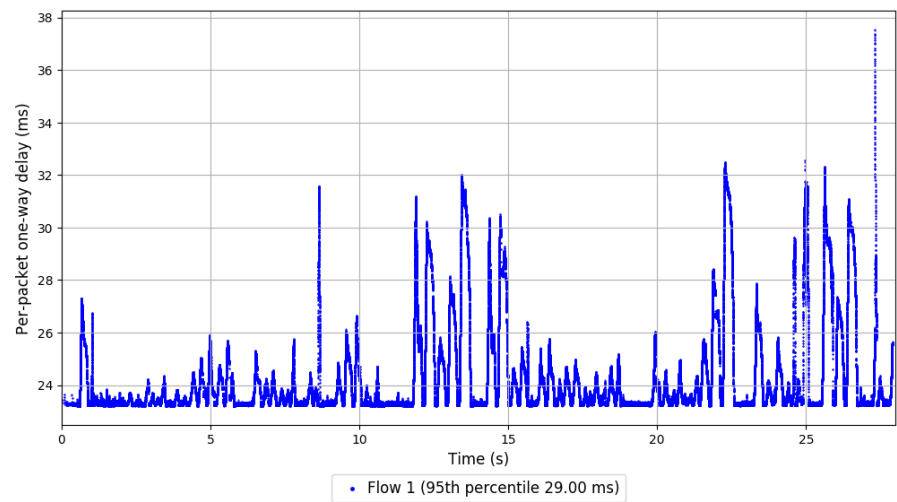
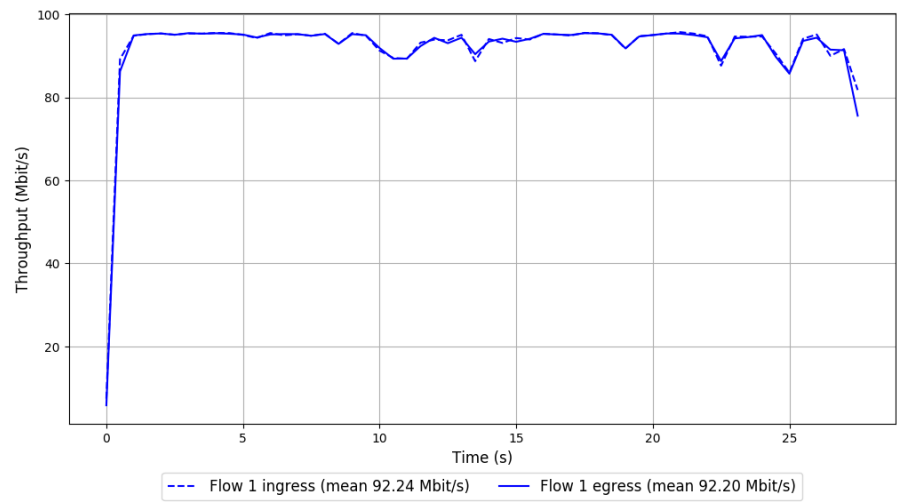


Run 2: Statistics of Copa

Start at: 2018-01-16 10:25:29
End at: 2018-01-16 10:25:59
Local clock offset: -0.038 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-01-16 18:38:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 29.001 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 29.001 ms
Loss rate: 0.23%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-16 10:49:46

End at: 2018-01-16 10:50:16

Local clock offset: -0.232 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-01-16 18:38:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 26.629 ms

Loss rate: 0.20%

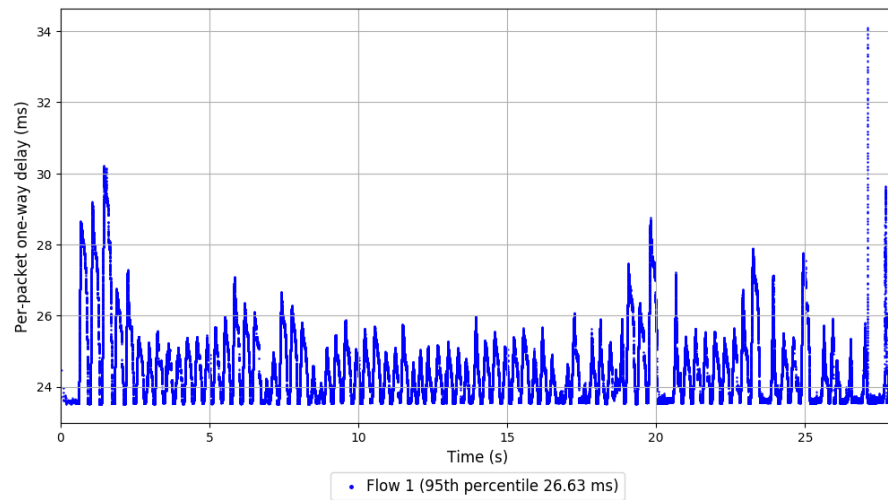
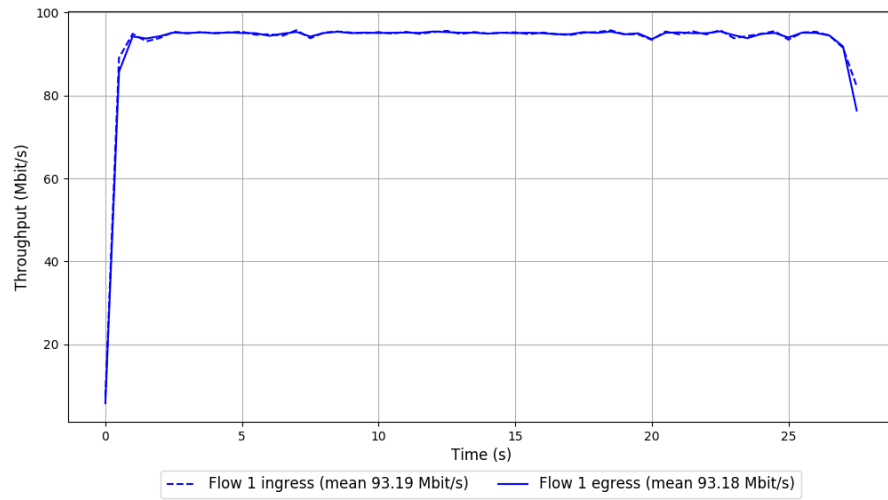
-- Flow 1:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 26.629 ms

Loss rate: 0.20%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-16 11:13:49

End at: 2018-01-16 11:14:19

Local clock offset: -0.272 ms

Remote clock offset: 0.93 ms

Below is generated by plot.py at 2018-01-16 18:38:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.82 Mbit/s

95th percentile per-packet one-way delay: 26.036 ms

Loss rate: 0.19%

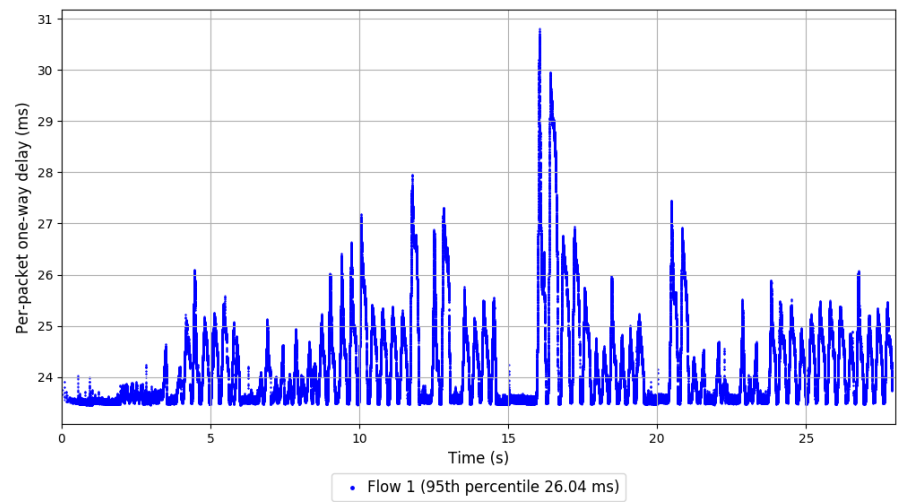
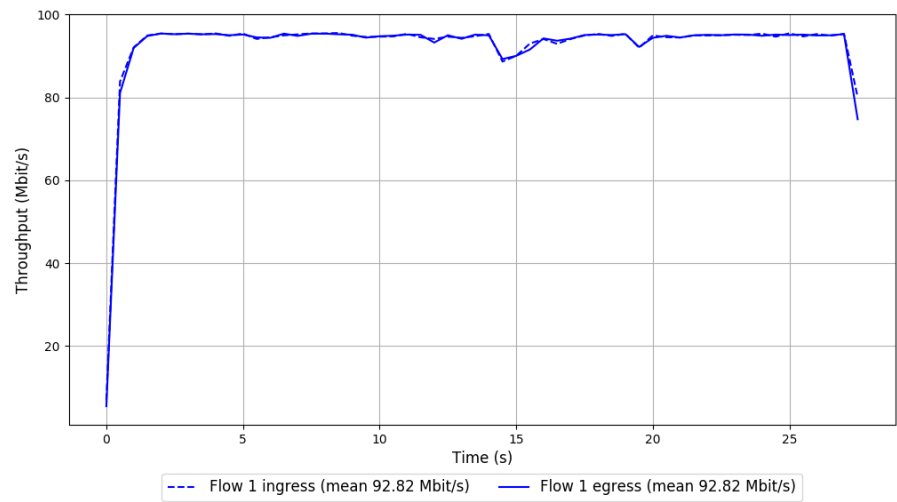
-- Flow 1:

Average throughput: 92.82 Mbit/s

95th percentile per-packet one-way delay: 26.036 ms

Loss rate: 0.19%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-16 11:38:06

End at: 2018-01-16 11:38:37

Local clock offset: -0.24 ms

Remote clock offset: 1.507 ms

Below is generated by plot.py at 2018-01-16 18:38:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 26.359 ms

Loss rate: 0.19%

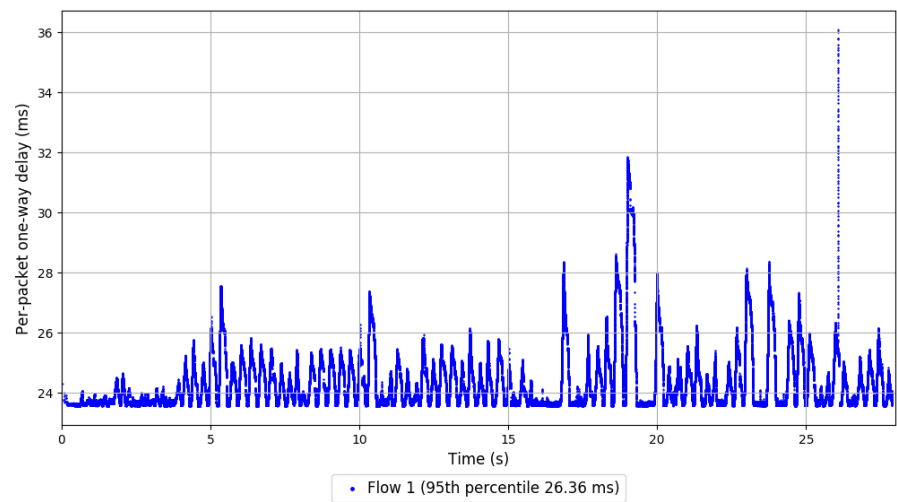
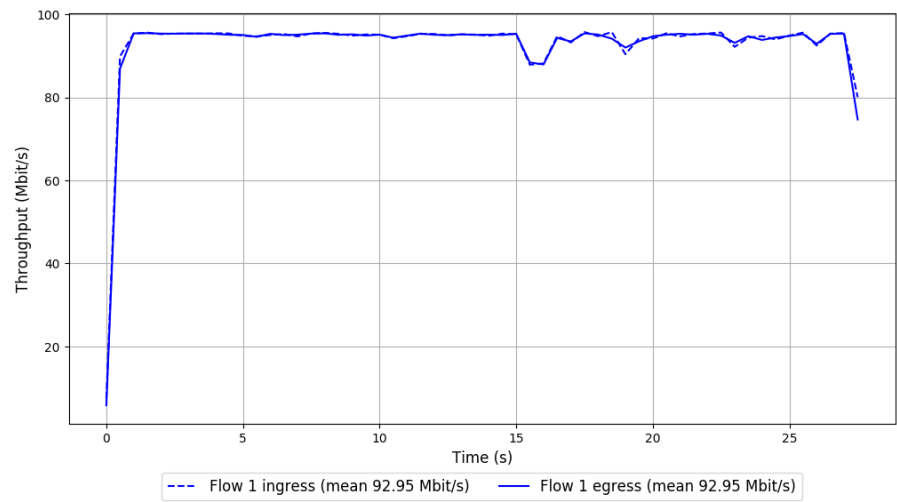
-- Flow 1:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 26.359 ms

Loss rate: 0.19%

Run 5: Report of Copa — Data Link

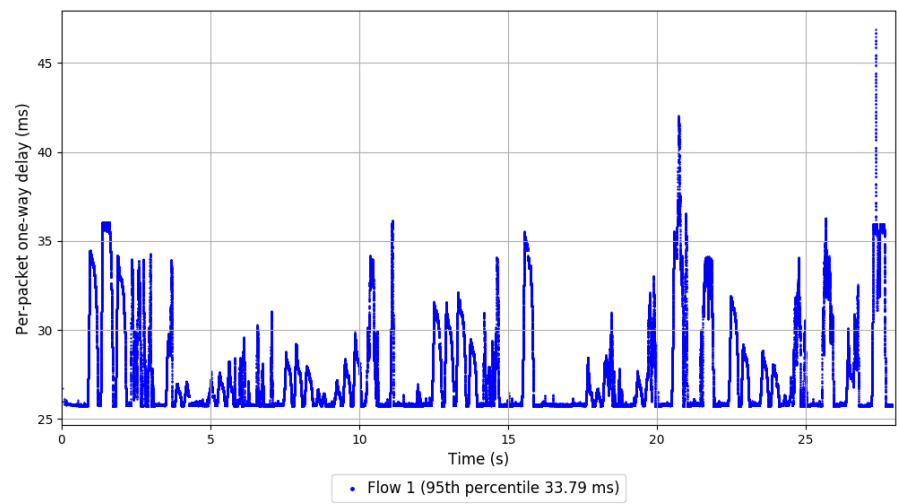
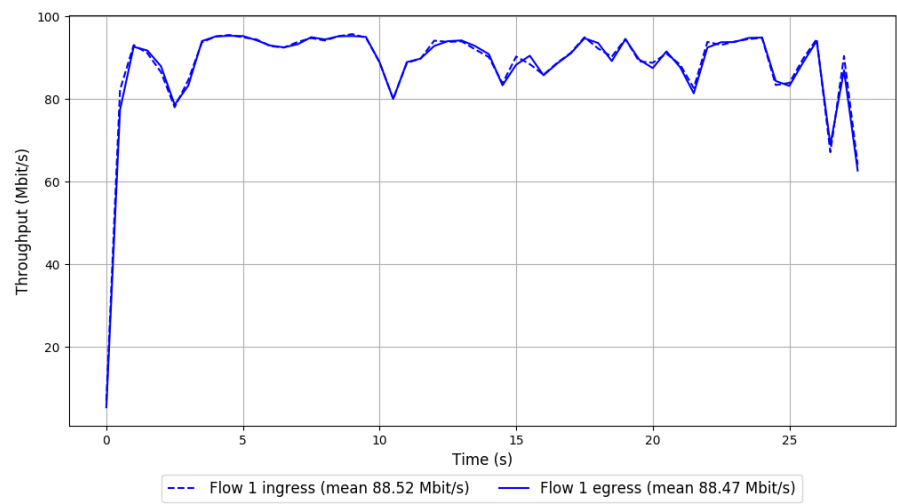


Run 6: Statistics of Copa

Start at: 2018-01-16 12:02:25
End at: 2018-01-16 12:02:55
Local clock offset: -0.141 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-01-16 18:38:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 33.792 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 33.792 ms
Loss rate: 0.25%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-16 12:26:37

End at: 2018-01-16 12:27:07

Local clock offset: -0.183 ms

Remote clock offset: 1.275 ms

Below is generated by plot.py at 2018-01-16 18:39:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.46 Mbit/s

95th percentile per-packet one-way delay: 31.180 ms

Loss rate: 0.33%

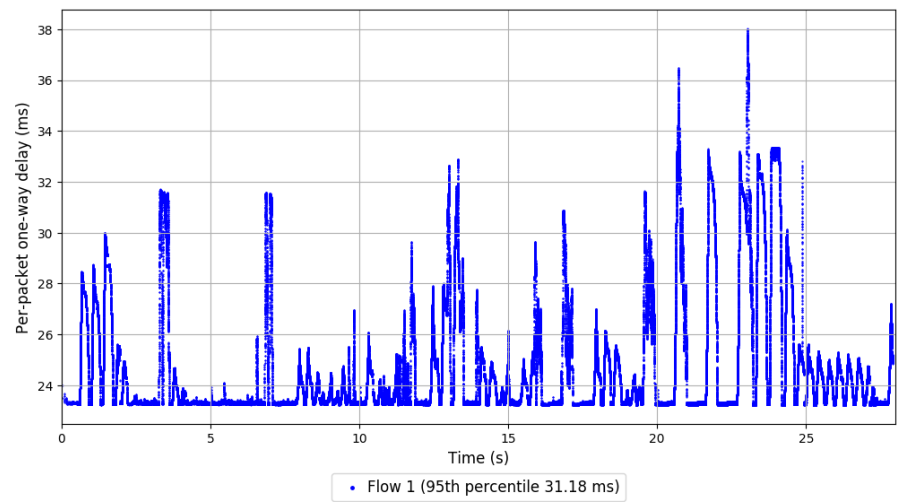
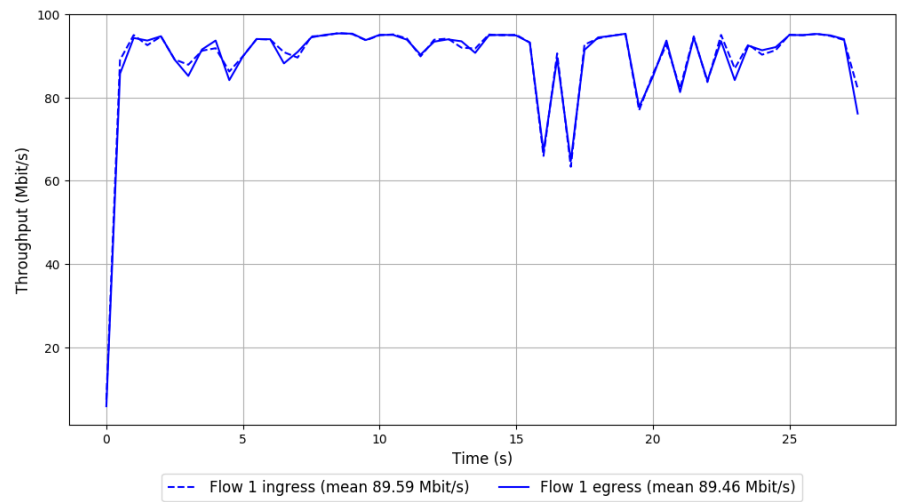
-- Flow 1:

Average throughput: 89.46 Mbit/s

95th percentile per-packet one-way delay: 31.180 ms

Loss rate: 0.33%

Run 7: Report of Copa — Data Link

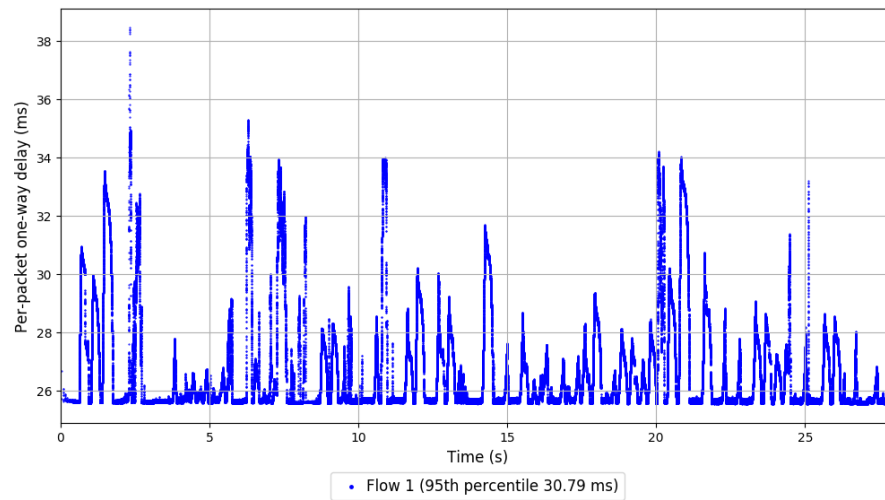
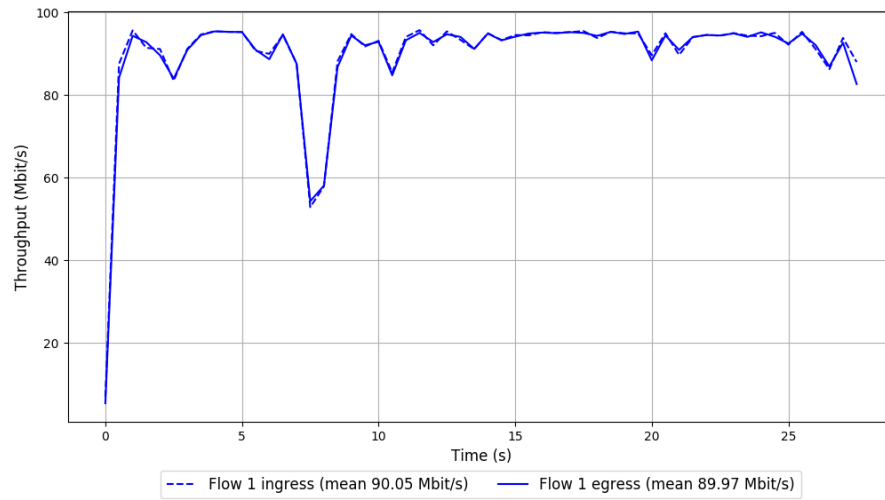


Run 8: Statistics of Copa

Start at: 2018-01-16 12:50:43
End at: 2018-01-16 12:51:13
Local clock offset: -0.327 ms
Remote clock offset: -2.902 ms

Below is generated by plot.py at 2018-01-16 18:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 30.793 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 30.793 ms
Loss rate: 0.28%

Run 8: Report of Copa — Data Link

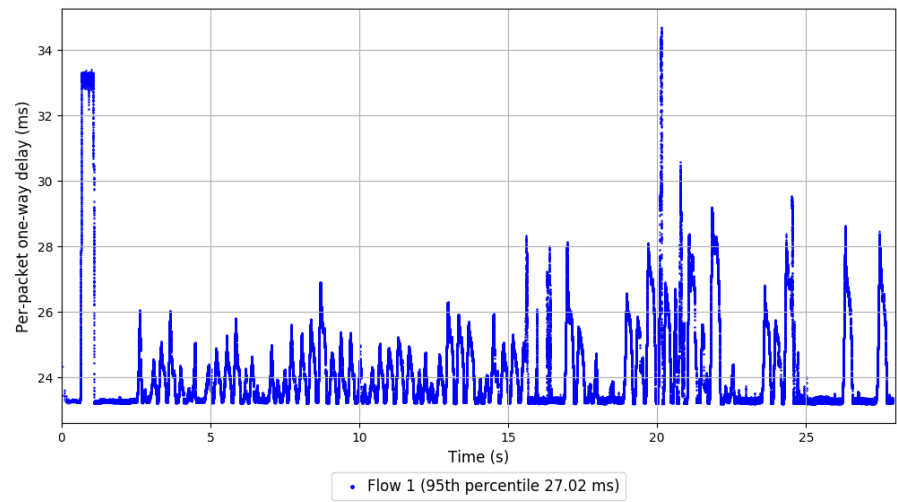
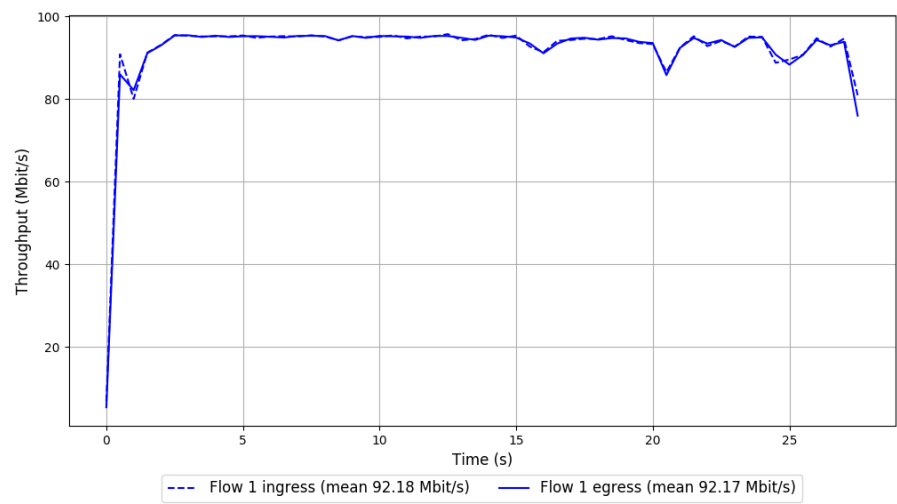


Run 9: Statistics of Copa

Start at: 2018-01-16 13:14:52
End at: 2018-01-16 13:15:23
Local clock offset: -0.194 ms
Remote clock offset: -2.129 ms

Below is generated by plot.py at 2018-01-16 18:40:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 27.020 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 27.020 ms
Loss rate: 0.20%

Run 9: Report of Copa — Data Link

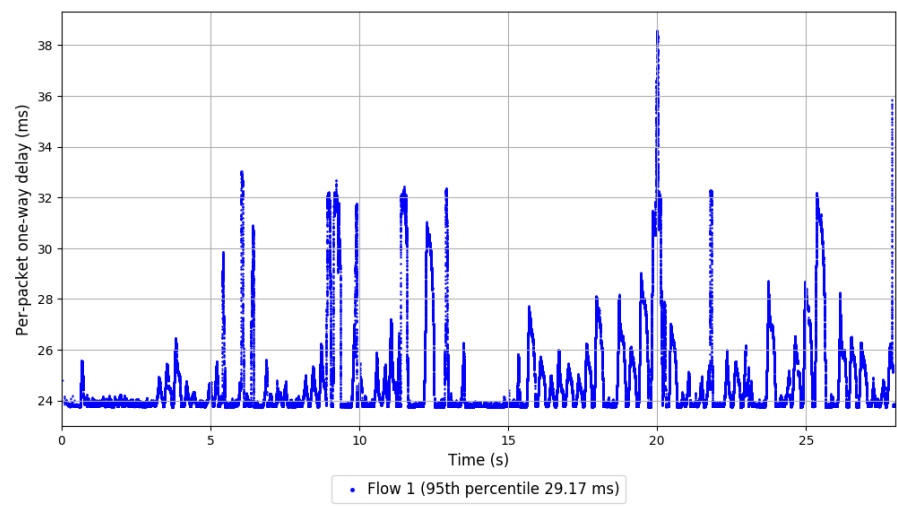
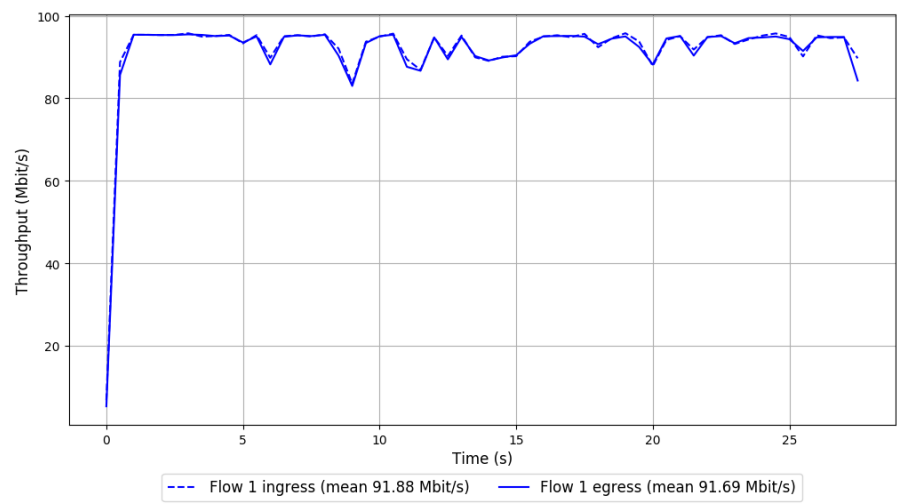


Run 10: Statistics of Copa

Start at: 2018-01-16 13:39:05
End at: 2018-01-16 13:39:35
Local clock offset: -0.226 ms
Remote clock offset: -3.726 ms

Below is generated by plot.py at 2018-01-16 18:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 29.166 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 29.166 ms
Loss rate: 0.40%

Run 10: Report of Copa — Data Link

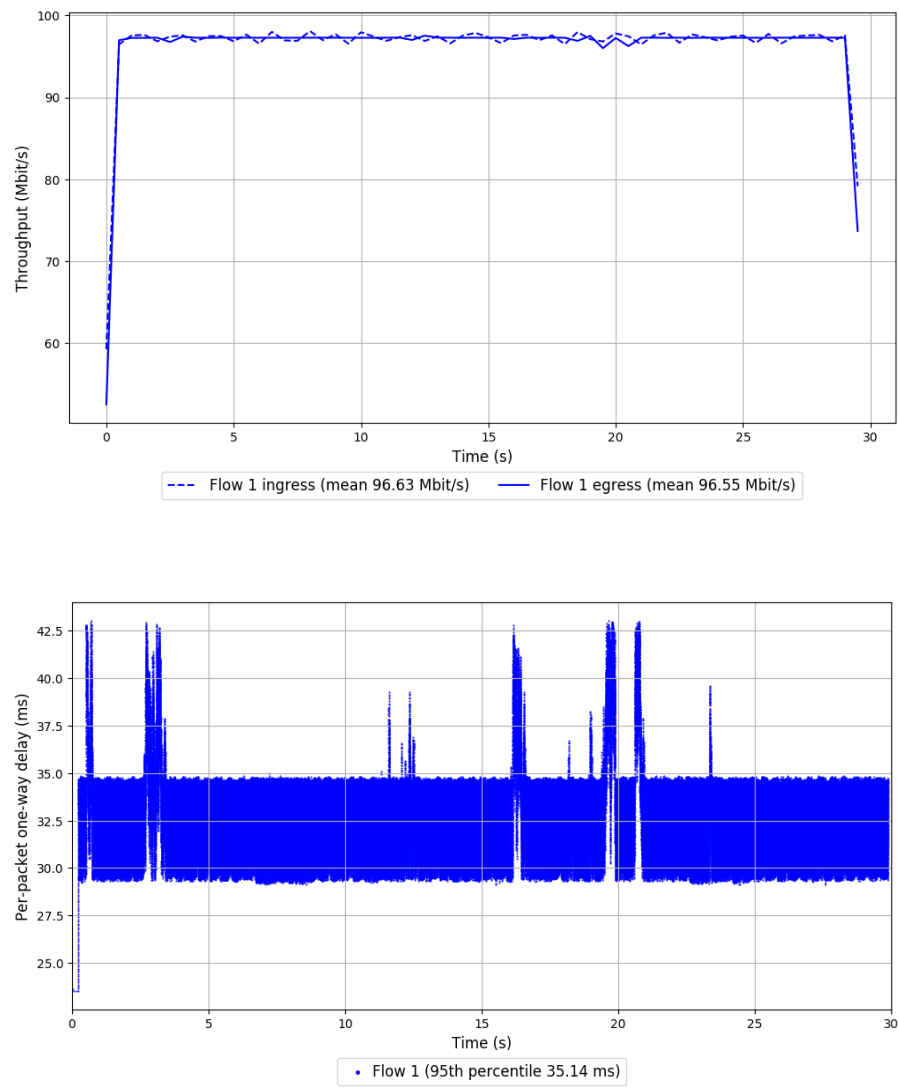


Run 1: Statistics of FillP

Start at: 2018-01-16 10:20:09
End at: 2018-01-16 10:20:39
Local clock offset: -0.103 ms
Remote clock offset: -0.813 ms

Below is generated by plot.py at 2018-01-16 18:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 35.142 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 35.142 ms
Loss rate: 0.26%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-16 10:44:28

End at: 2018-01-16 10:44:58

Local clock offset: -0.175 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-01-16 18:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.60 Mbit/s

95th percentile per-packet one-way delay: 34.497 ms

Loss rate: 0.23%

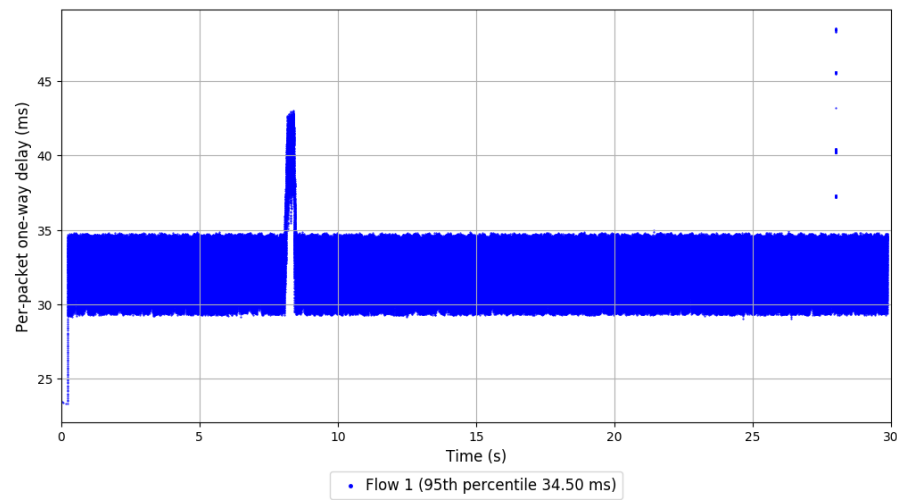
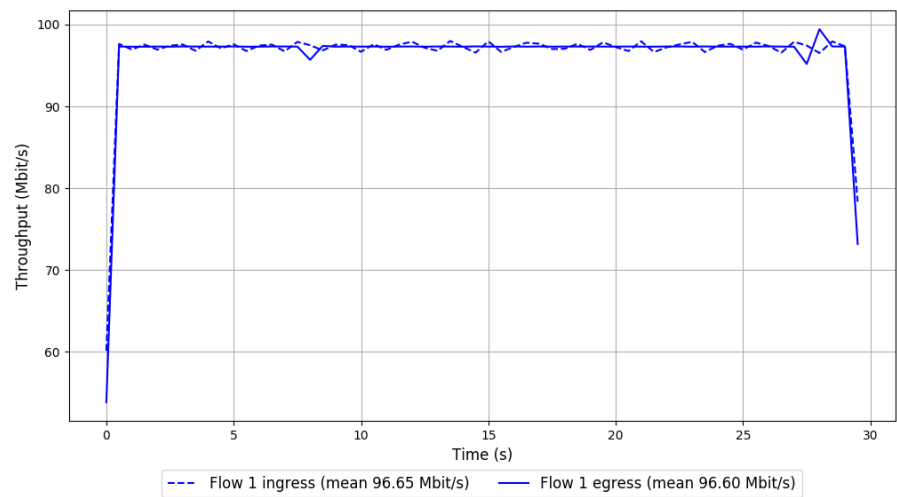
-- Flow 1:

Average throughput: 96.60 Mbit/s

95th percentile per-packet one-way delay: 34.497 ms

Loss rate: 0.23%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-16 11:08:30

End at: 2018-01-16 11:09:00

Local clock offset: -0.24 ms

Remote clock offset: 0.672 ms

Below is generated by plot.py at 2018-01-16 18:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 34.609 ms

Loss rate: 0.21%

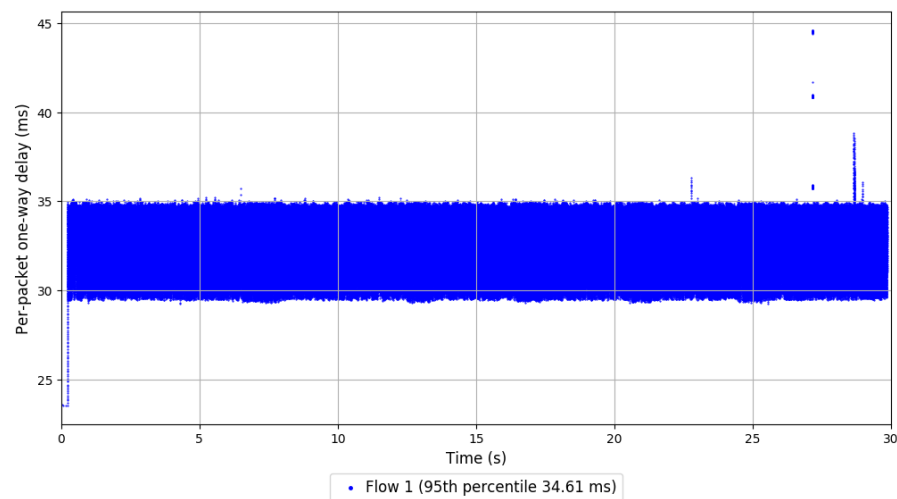
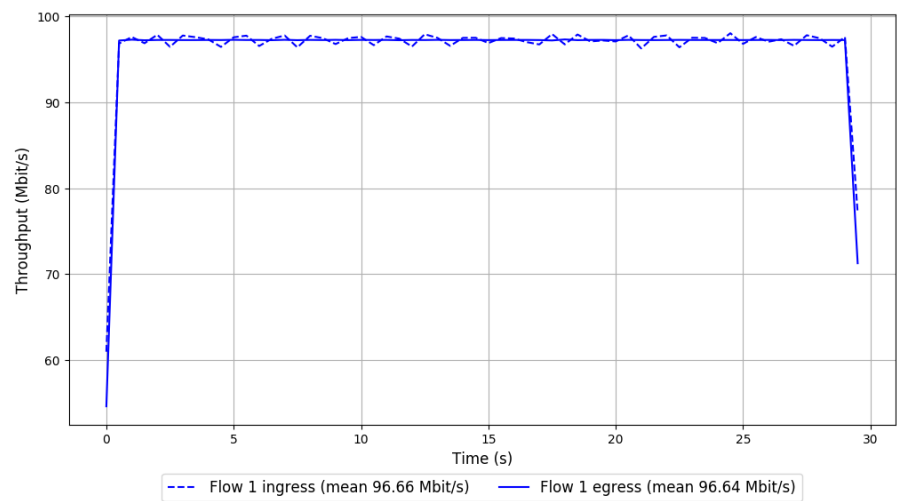
-- Flow 1:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 34.609 ms

Loss rate: 0.21%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-16 11:32:39

End at: 2018-01-16 11:33:09

Local clock offset: -0.216 ms

Remote clock offset: 1.921 ms

Below is generated by plot.py at 2018-01-16 18:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 37.345 ms

Loss rate: 0.32%

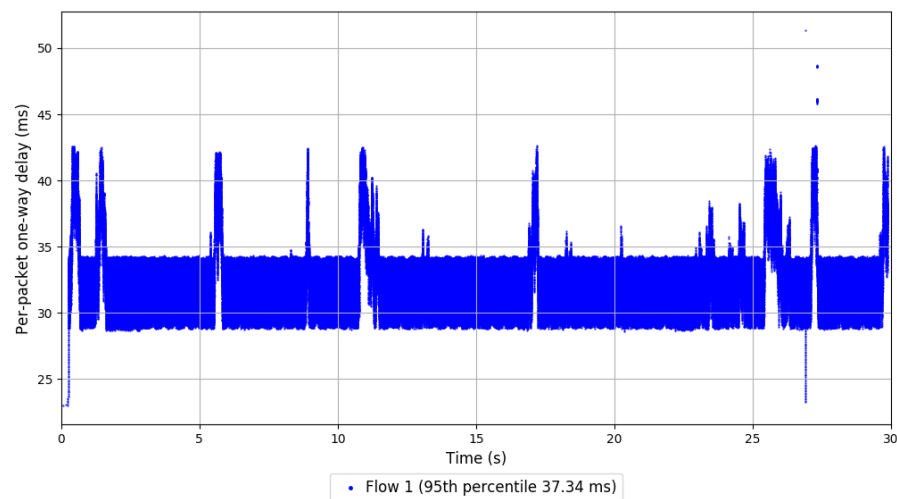
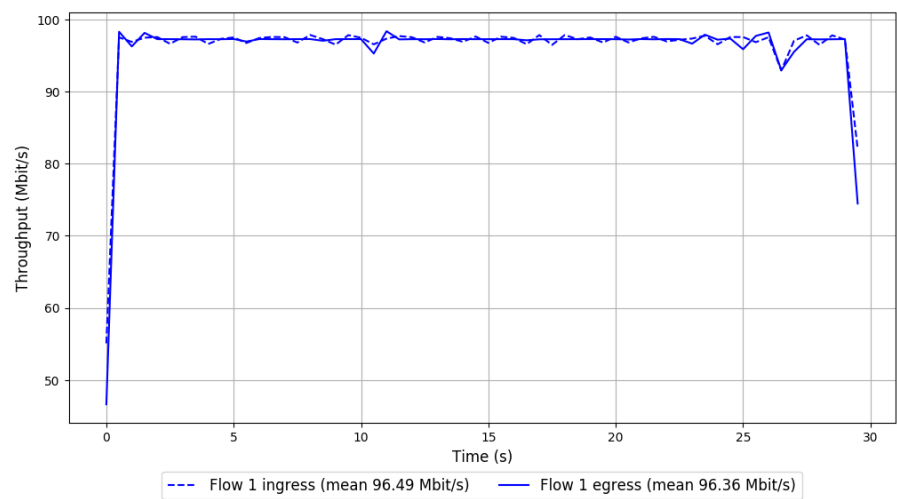
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 37.345 ms

Loss rate: 0.32%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-16 11:57:06

End at: 2018-01-16 11:57:36

Local clock offset: -0.159 ms

Remote clock offset: 2.238 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 34.014 ms

Loss rate: 0.22%

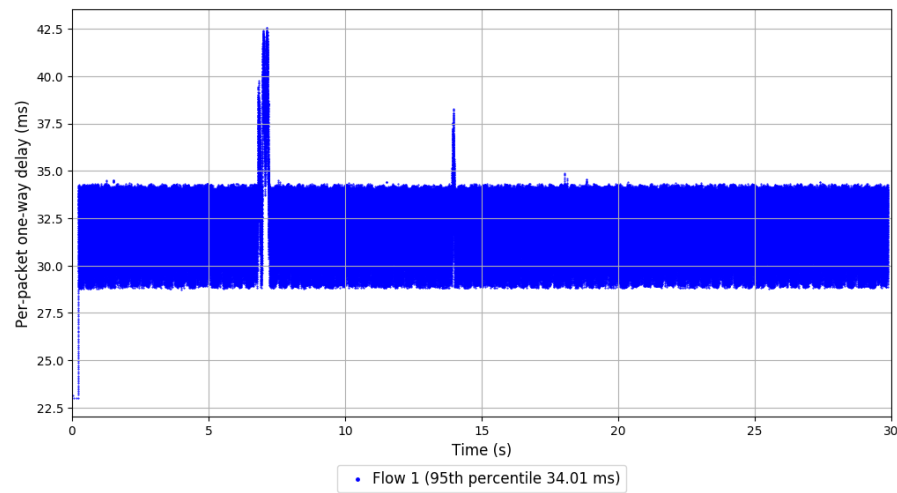
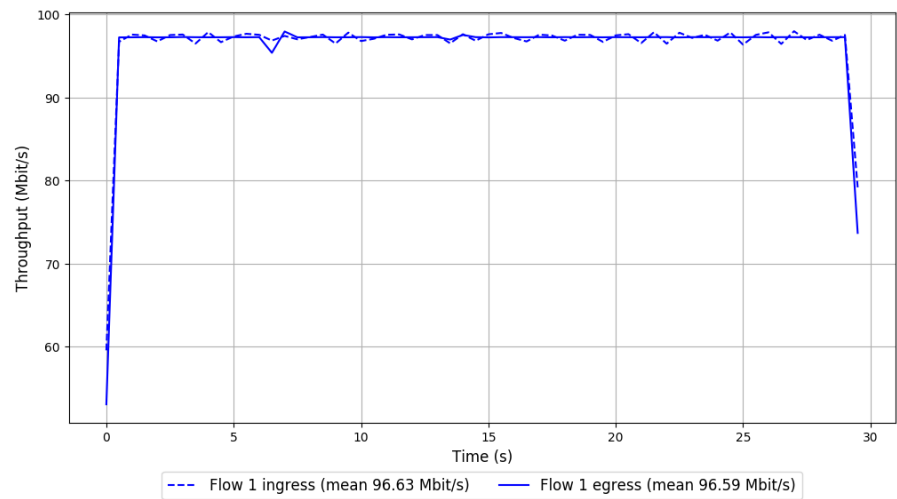
-- Flow 1:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 34.014 ms

Loss rate: 0.22%

Run 5: Report of FillP — Data Link

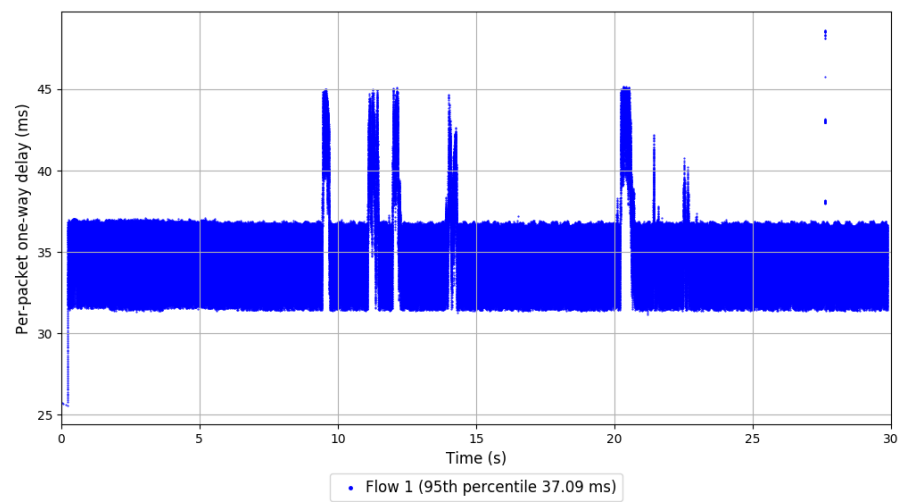
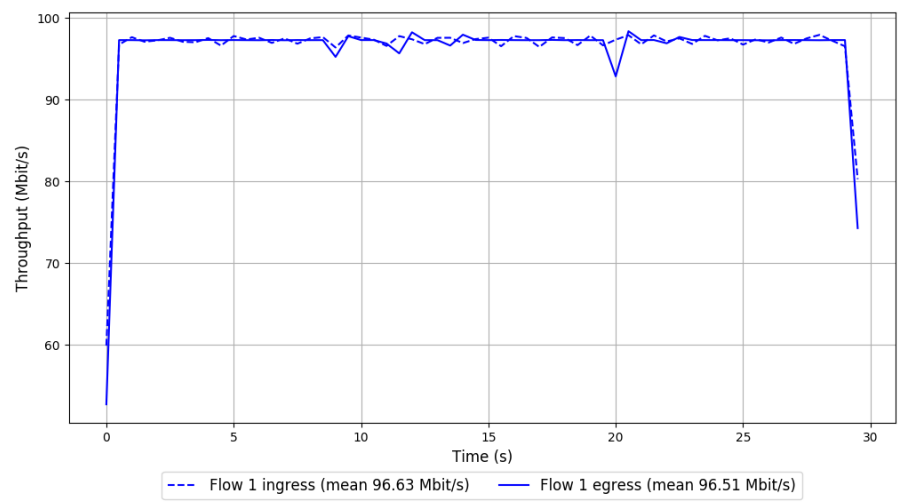


Run 6: Statistics of FillP

Start at: 2018-01-16 12:21:18
End at: 2018-01-16 12:21:48
Local clock offset: -0.191 ms
Remote clock offset: -1.028 ms

Below is generated by plot.py at 2018-01-16 18:40:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 37.091 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 37.091 ms
Loss rate: 0.32%

Run 6: Report of FillP — Data Link

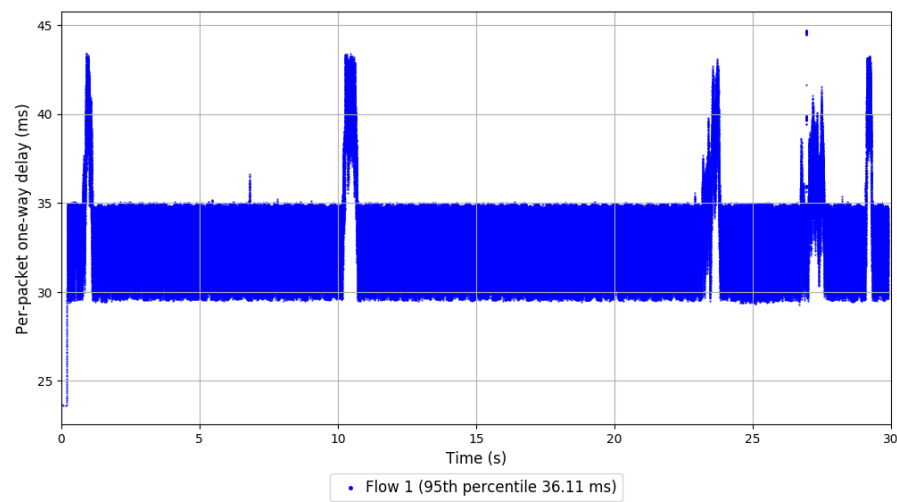
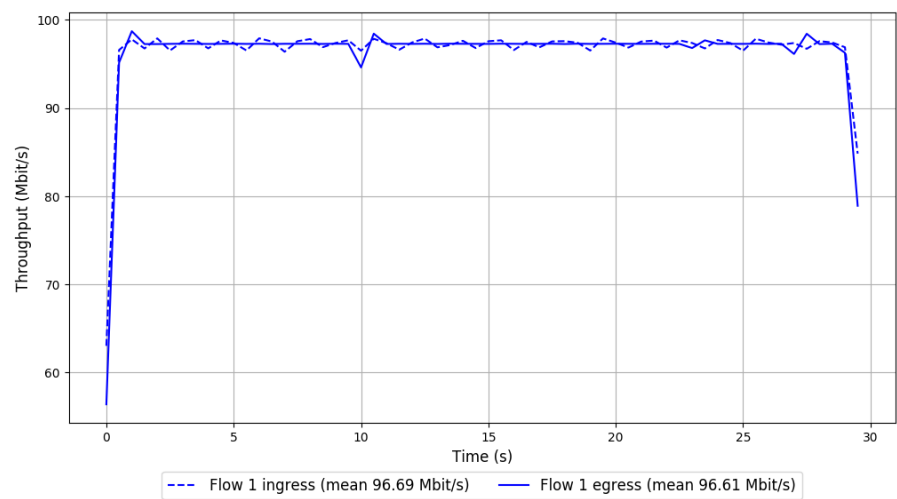


Run 7: Statistics of FillP

Start at: 2018-01-16 12:45:24
End at: 2018-01-16 12:45:55
Local clock offset: -0.268 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-01-16 18:41:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 36.113 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 36.113 ms
Loss rate: 0.27%

Run 7: Report of FillP — Data Link

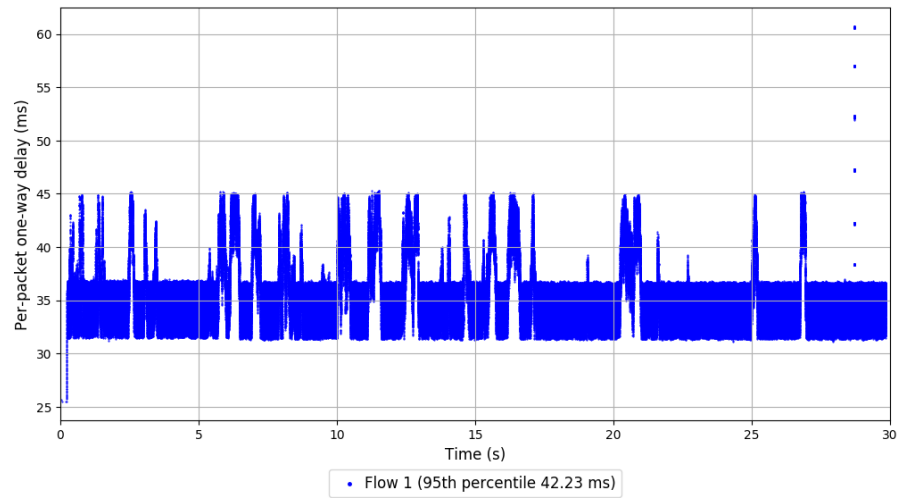
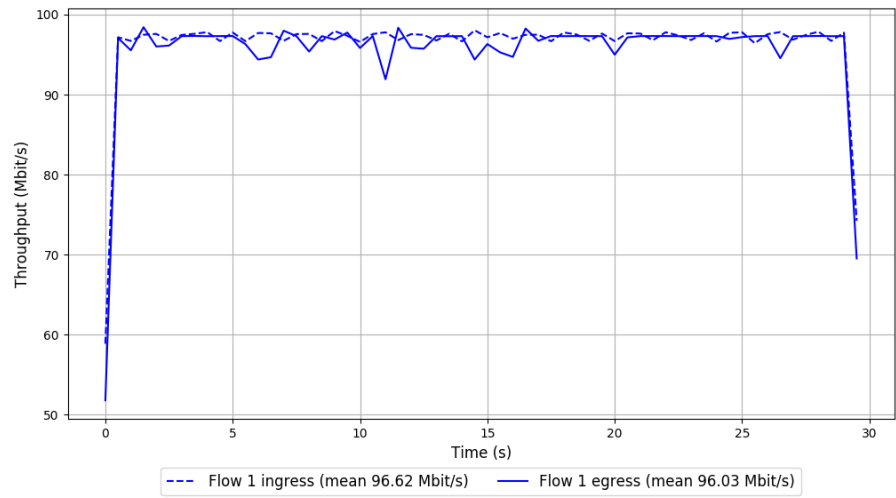


Run 8: Statistics of FillP

Start at: 2018-01-16 13:09:33
End at: 2018-01-16 13:10:03
Local clock offset: -0.163 ms
Remote clock offset: -4.158 ms

Below is generated by plot.py at 2018-01-16 18:41:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 42.227 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 42.227 ms
Loss rate: 0.79%

Run 8: Report of FillP — Data Link

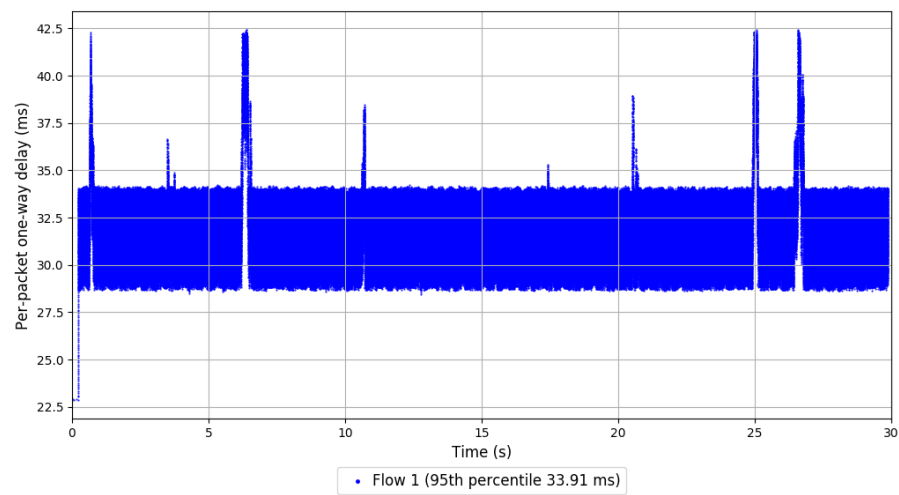
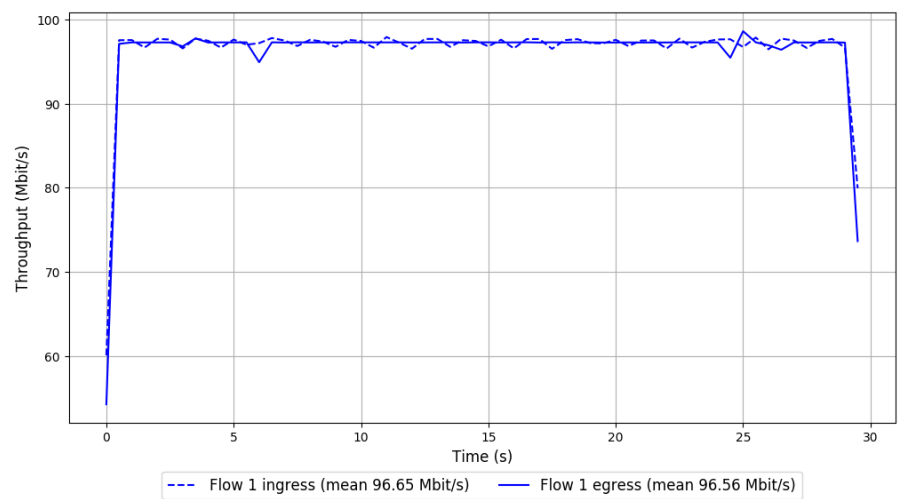


Run 9: Statistics of FillP

Start at: 2018-01-16 13:33:47
End at: 2018-01-16 13:34:17
Local clock offset: -0.309 ms
Remote clock offset: -3.007 ms

Below is generated by plot.py at 2018-01-16 18:41:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 33.914 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 33.914 ms
Loss rate: 0.28%

Run 9: Report of FillP — Data Link

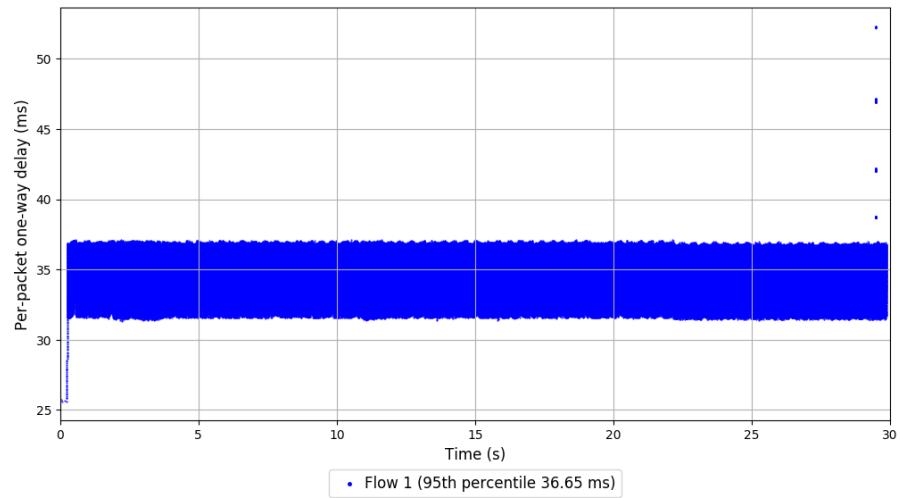
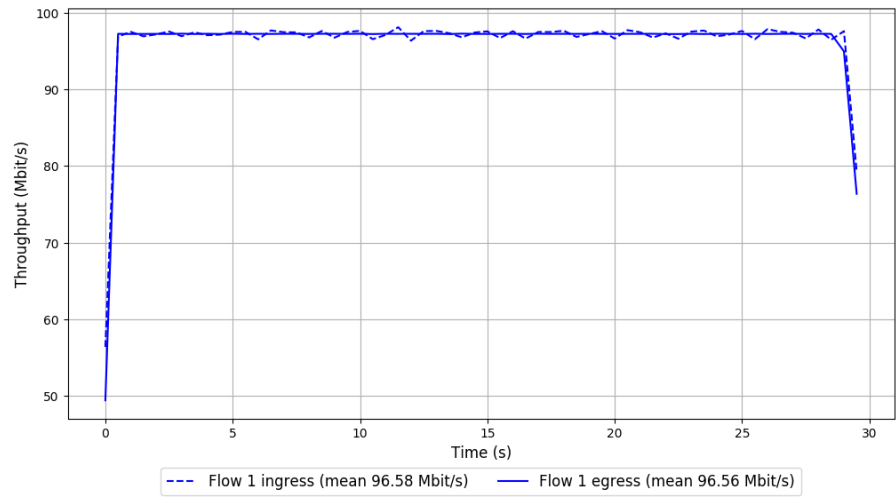


Run 10: Statistics of FillP

Start at: 2018-01-16 13:57:58
End at: 2018-01-16 13:58:29
Local clock offset: -0.232 ms
Remote clock offset: -5.868 ms

Below is generated by plot.py at 2018-01-16 18:41:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 36.649 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 36.649 ms
Loss rate: 0.20%

Run 10: Report of FillP — Data Link

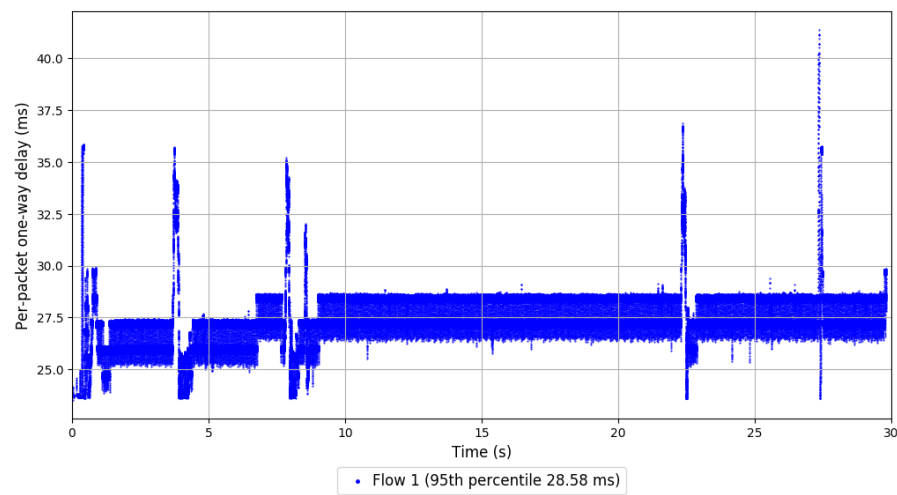
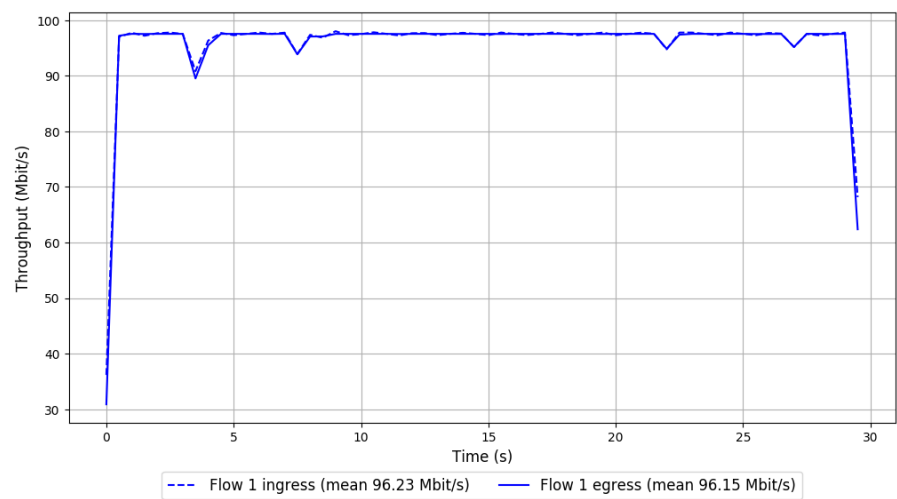


```
Run 1: Statistics of Indigo

Start at: 2018-01-16 10:02:41
End at: 2018-01-16 10:03:11
Local clock offset: 0.07 ms
Remote clock offset: -0.841 ms

# Below is generated by plot.py at 2018-01-16 18:41:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 28.584 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 28.584 ms
Loss rate: 0.26%
```

Run 1: Report of Indigo — Data Link

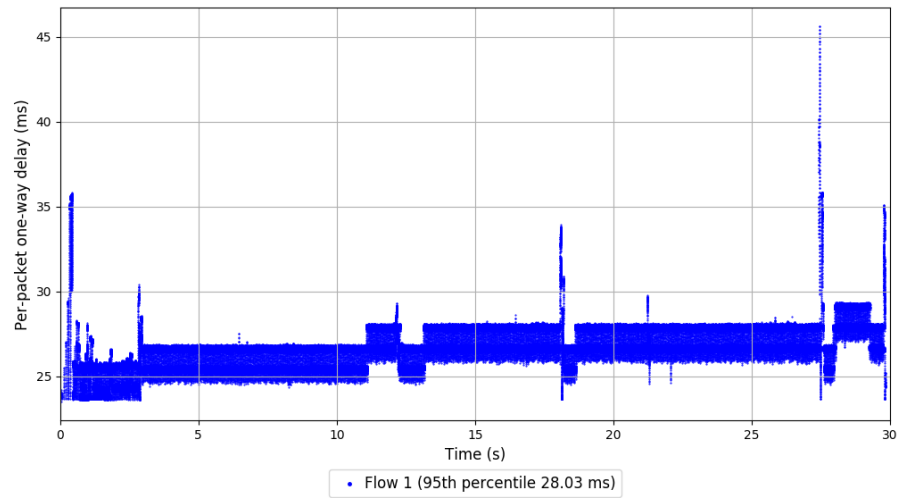
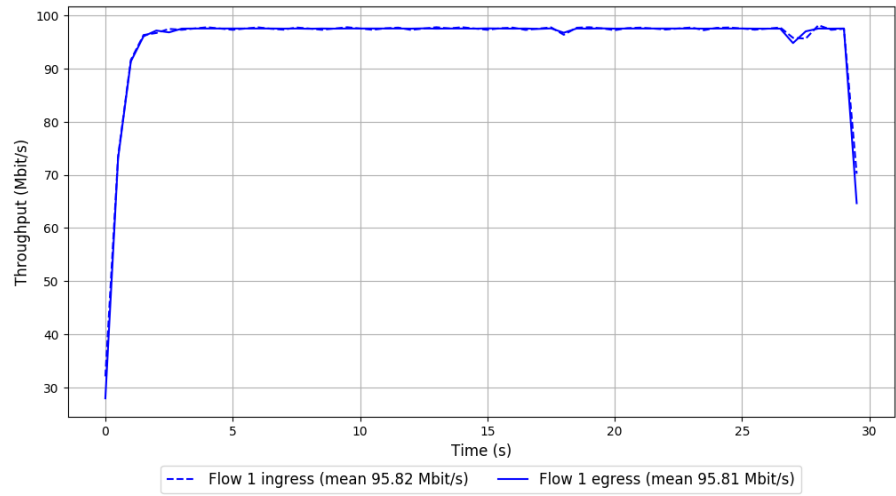


Run 2: Statistics of Indigo

Start at: 2018-01-16 10:26:53
End at: 2018-01-16 10:27:23
Local clock offset: -0.08 ms
Remote clock offset: -0.491 ms

Below is generated by plot.py at 2018-01-16 18:41:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 28.028 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 28.028 ms
Loss rate: 0.19%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-16 10:51:08

End at: 2018-01-16 10:51:38

Local clock offset: -0.177 ms

Remote clock offset: 0.739 ms

Below is generated by plot.py at 2018-01-16 18:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 27.934 ms

Loss rate: 0.19%

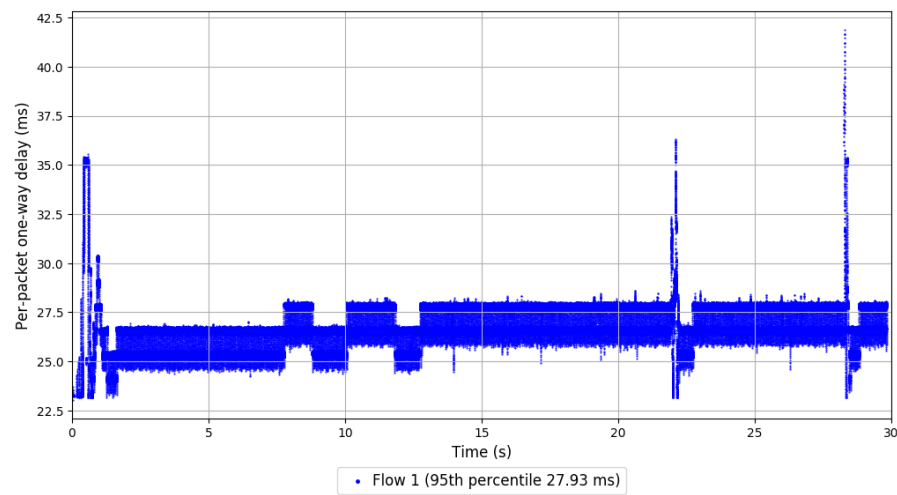
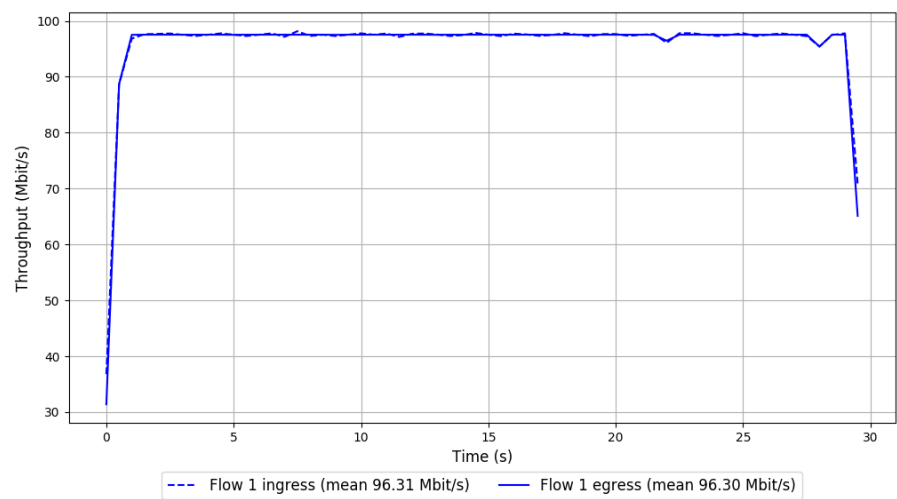
-- Flow 1:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 27.934 ms

Loss rate: 0.19%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-01-16 11:15:12

End at: 2018-01-16 11:15:42

Local clock offset: -0.291 ms

Remote clock offset: 1.448 ms

Below is generated by plot.py at 2018-01-16 18:42:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 29.020 ms

Loss rate: 0.24%

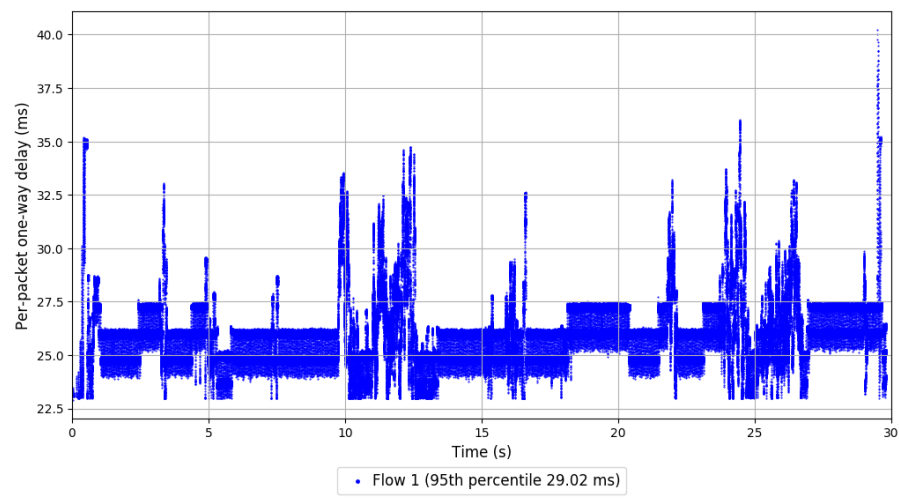
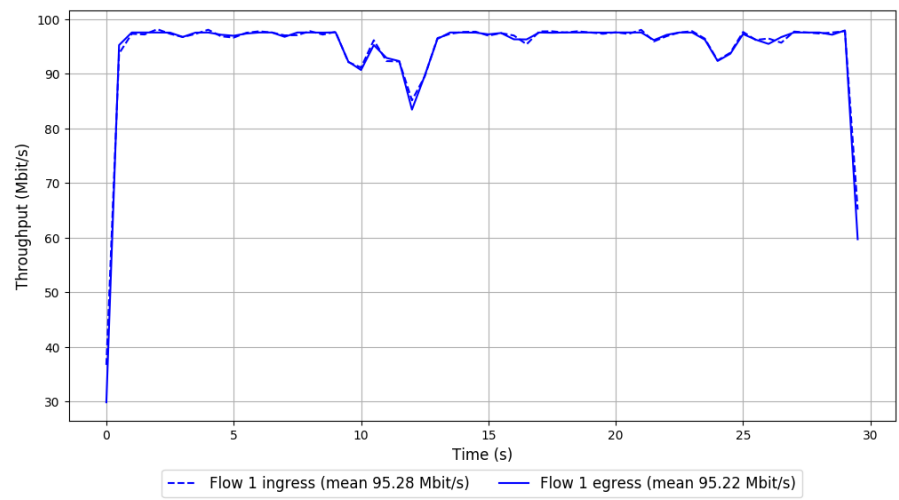
-- Flow 1:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 29.020 ms

Loss rate: 0.24%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-16 11:39:30

End at: 2018-01-16 11:40:00

Local clock offset: -0.187 ms

Remote clock offset: 1.522 ms

Below is generated by plot.py at 2018-01-16 18:42:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 28.622 ms

Loss rate: 0.24%

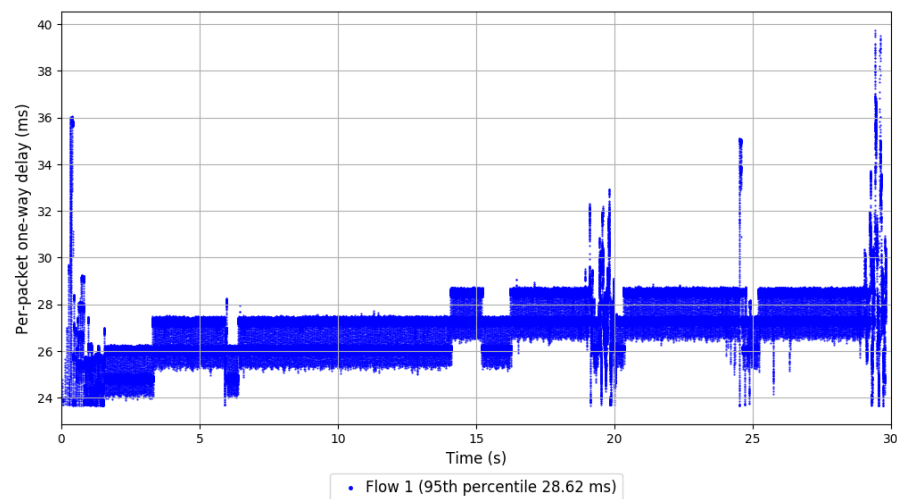
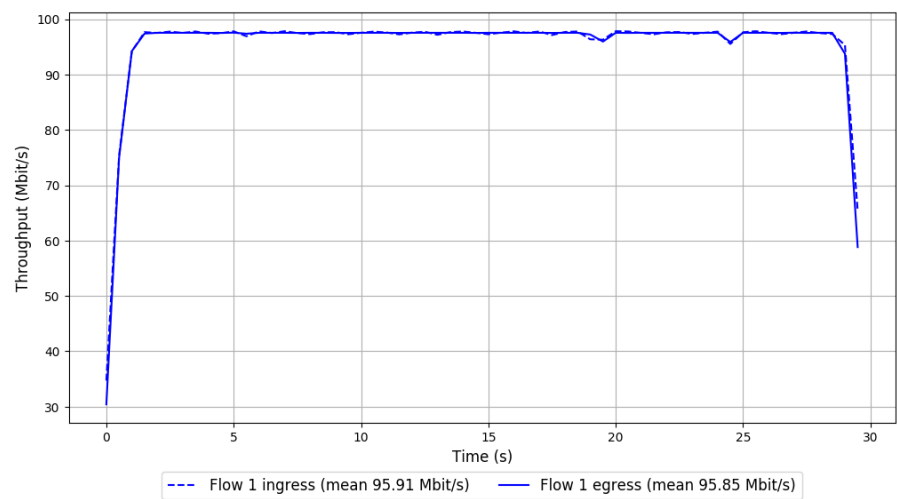
-- Flow 1:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 28.622 ms

Loss rate: 0.24%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-01-16 12:03:48

End at: 2018-01-16 12:04:18

Local clock offset: -0.152 ms

Remote clock offset: 1.75 ms

Below is generated by plot.py at 2018-01-16 18:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 29.064 ms

Loss rate: 0.20%

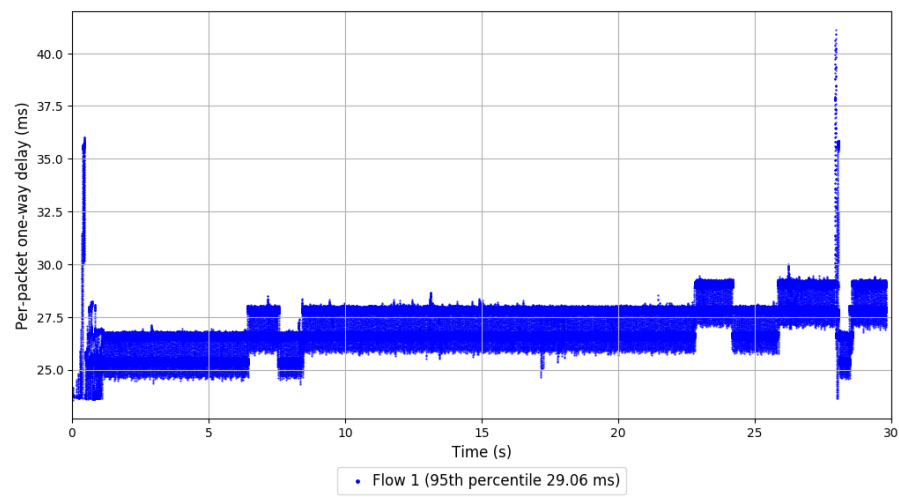
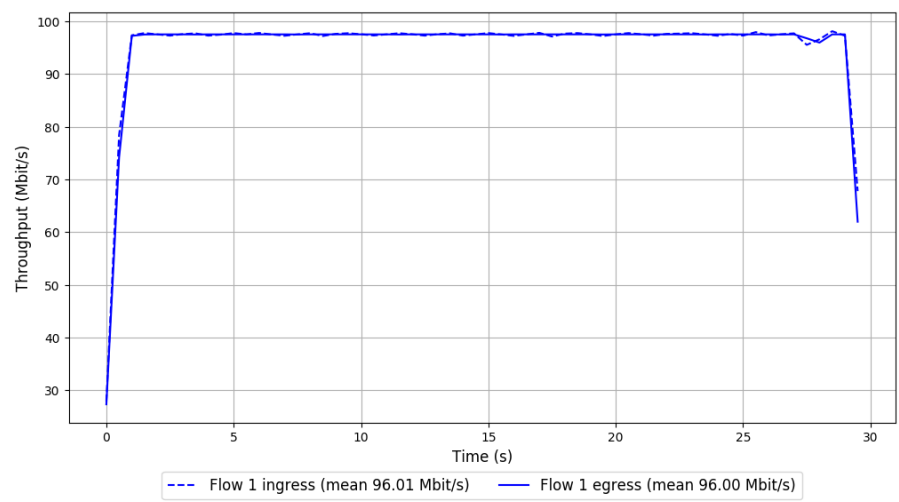
-- Flow 1:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 29.064 ms

Loss rate: 0.20%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-16 12:28:00

End at: 2018-01-16 12:28:30

Local clock offset: -0.289 ms

Remote clock offset: 0.783 ms

Below is generated by plot.py at 2018-01-16 18:43:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 29.072 ms

Loss rate: 0.21%

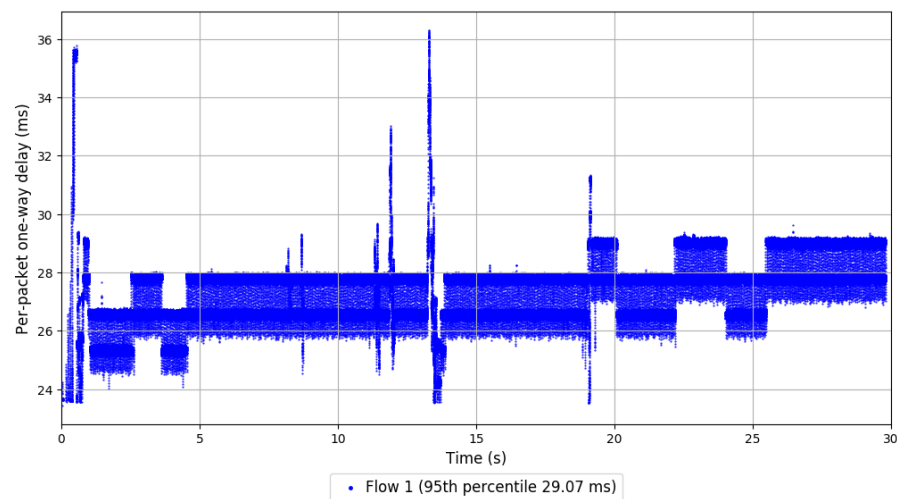
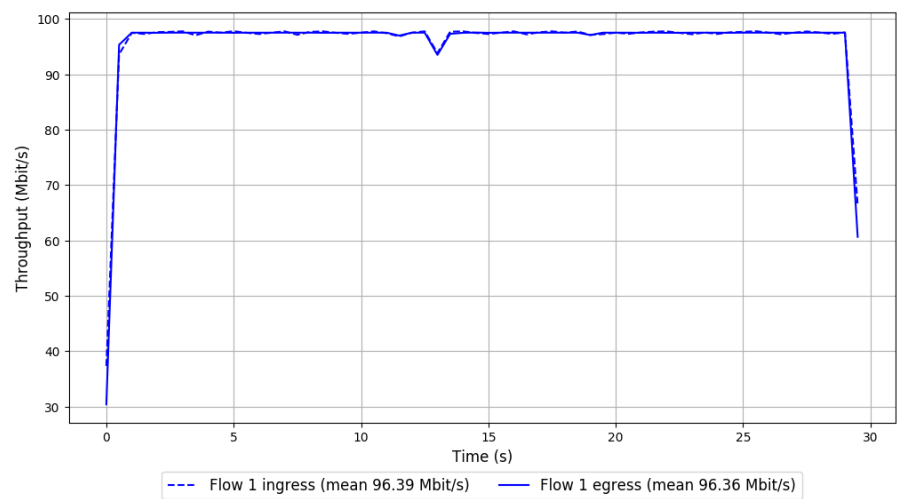
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 29.072 ms

Loss rate: 0.21%

Run 7: Report of Indigo — Data Link

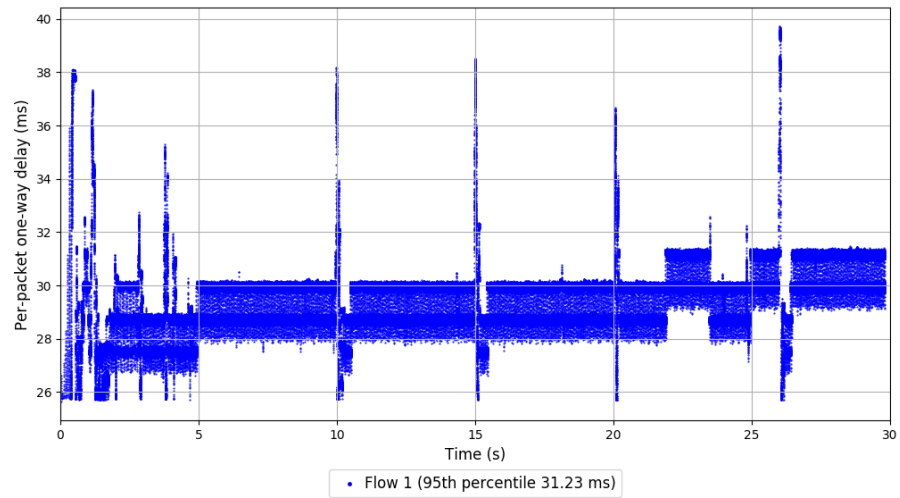
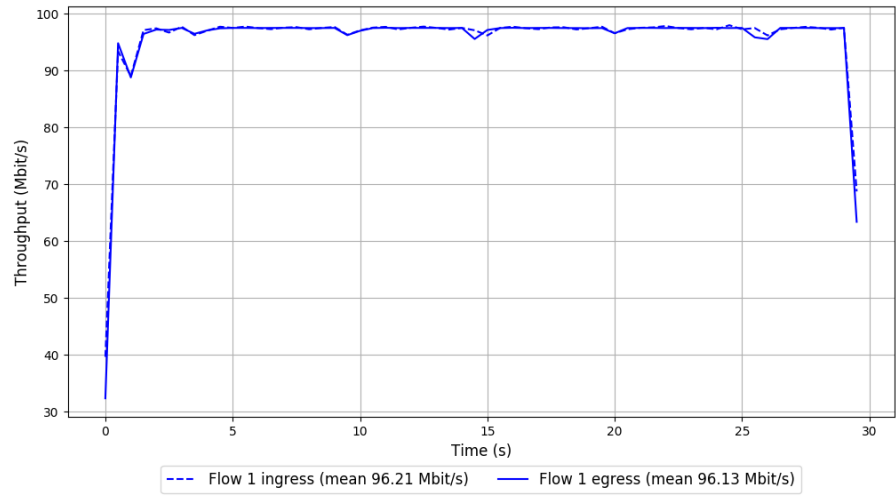


Run 8: Statistics of Indigo

Start at: 2018-01-16 12:52:06
End at: 2018-01-16 12:52:36
Local clock offset: -0.259 ms
Remote clock offset: -3.072 ms

Below is generated by plot.py at 2018-01-16 18:43:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 31.227 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 31.227 ms
Loss rate: 0.27%

Run 8: Report of Indigo — Data Link

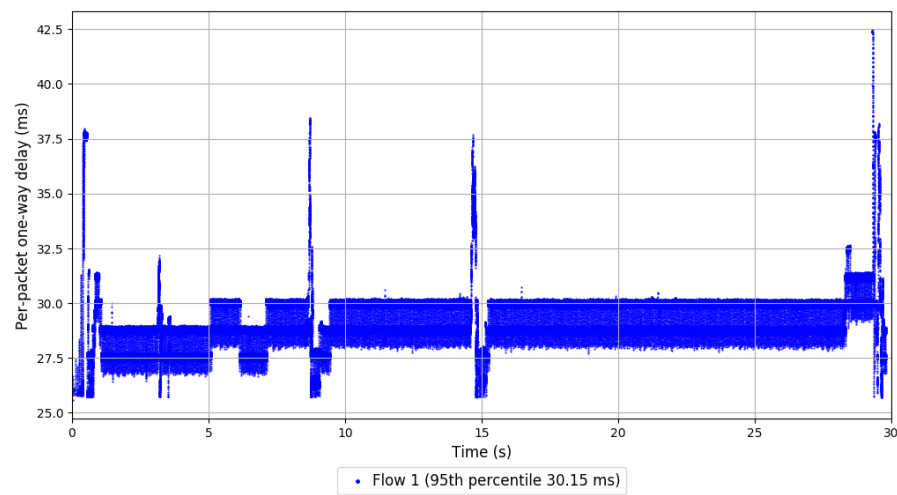
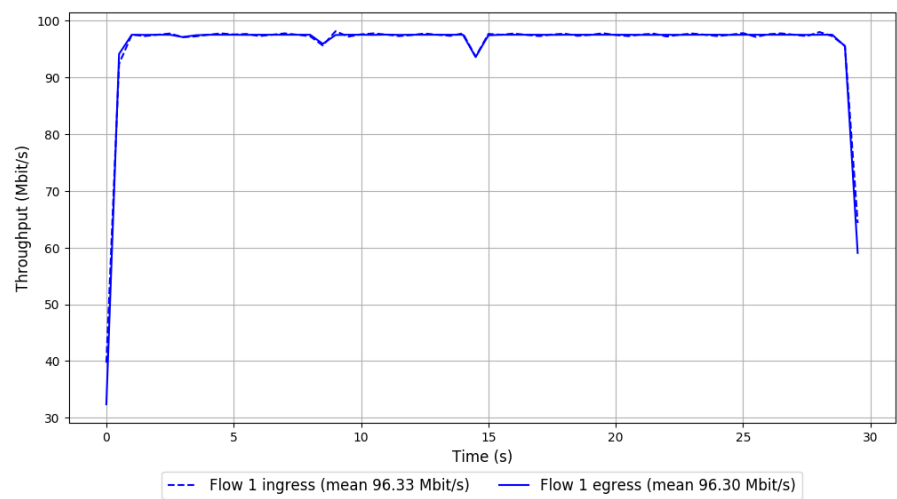


Run 9: Statistics of Indigo

Start at: 2018-01-16 13:16:17
End at: 2018-01-16 13:16:47
Local clock offset: -0.301 ms
Remote clock offset: -4.767 ms

Below is generated by plot.py at 2018-01-16 18:43:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 30.146 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 30.146 ms
Loss rate: 0.21%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-16 13:40:28

End at: 2018-01-16 13:40:58

Local clock offset: -0.26 ms

Remote clock offset: -5.681 ms

Below is generated by plot.py at 2018-01-16 18:43:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 30.645 ms

Loss rate: 0.25%

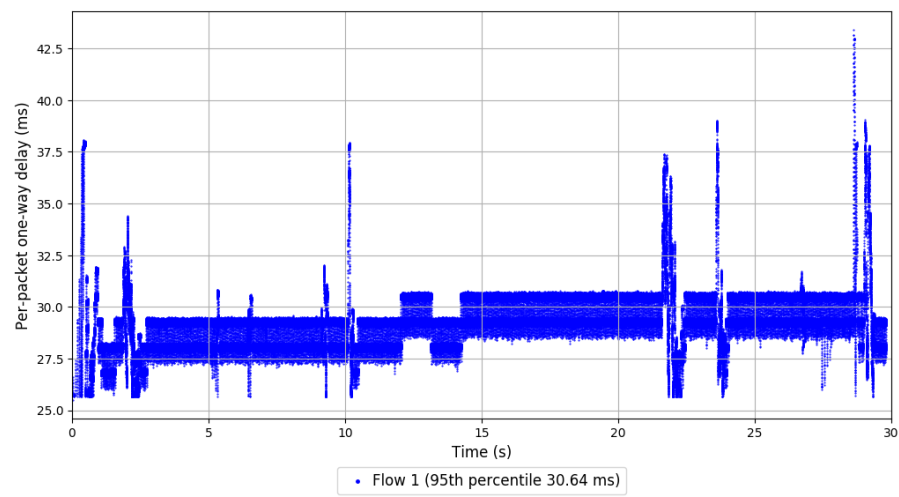
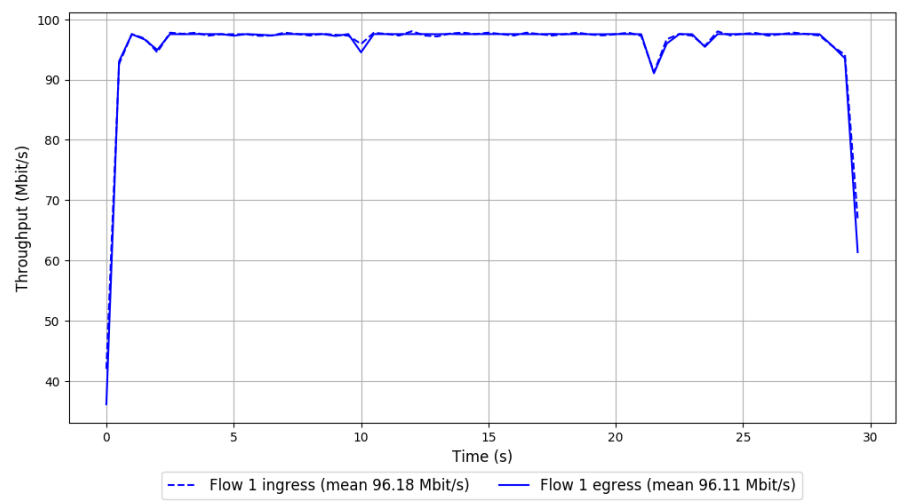
-- Flow 1:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 30.645 ms

Loss rate: 0.25%

Run 10: Report of Indigo — Data Link

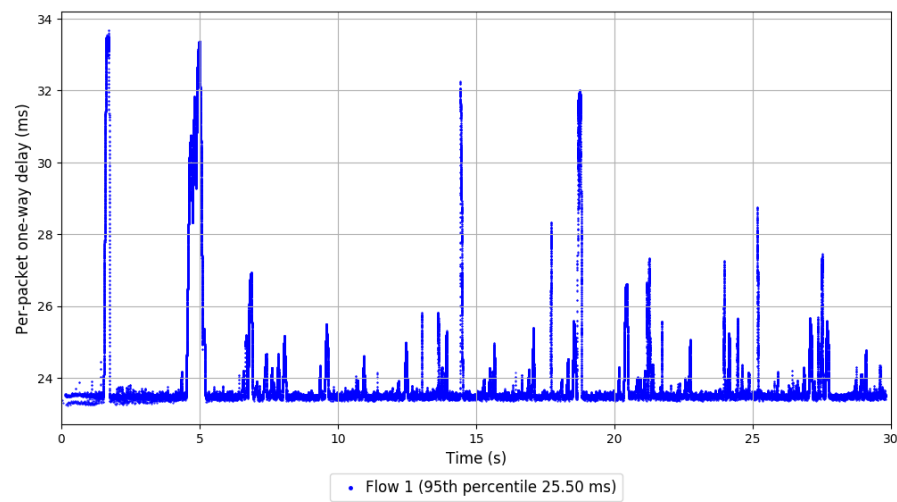
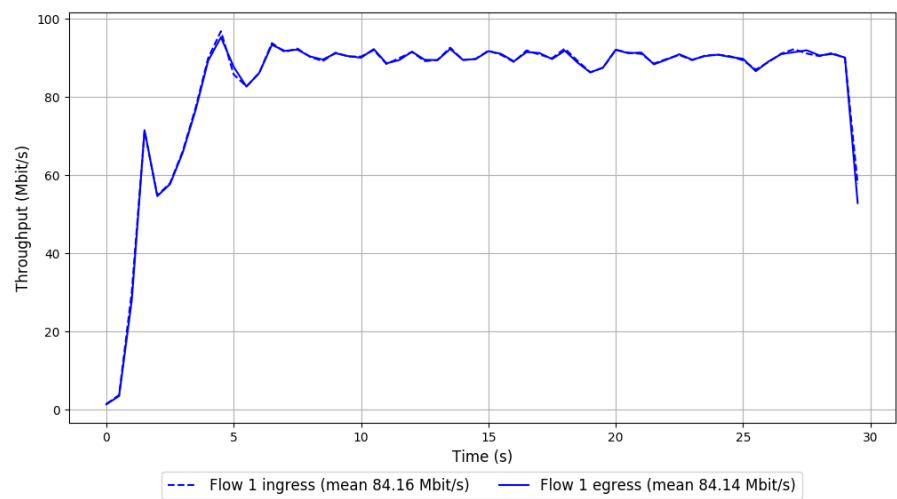


Run 1: Statistics of Vivace-latency

Start at: 2018-01-16 10:16:07
End at: 2018-01-16 10:16:37
Local clock offset: -0.091 ms
Remote clock offset: -0.842 ms

Below is generated by plot.py at 2018-01-16 18:44:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 25.502 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 25.502 ms
Loss rate: 0.20%

Run 1: Report of Vivace-latency — Data Link

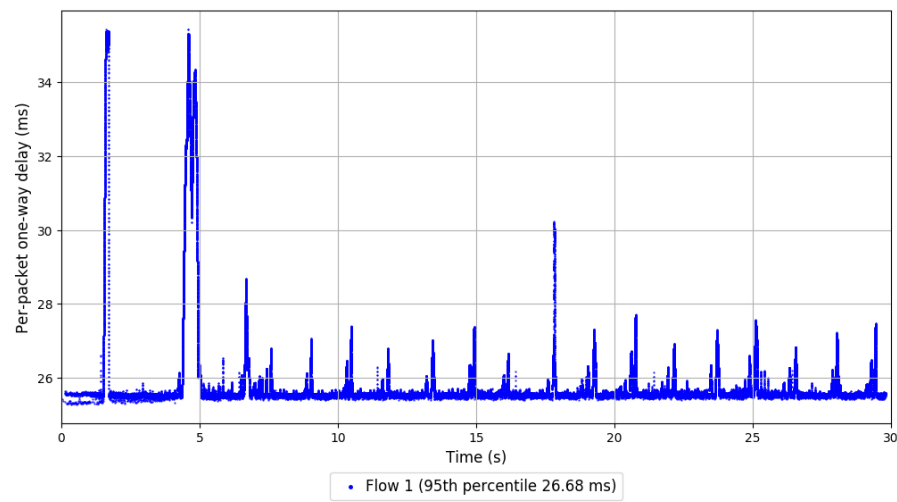
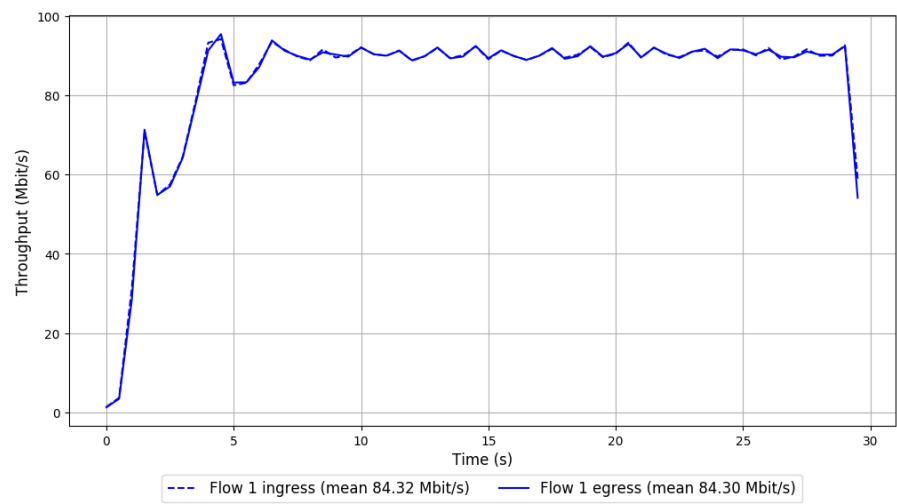


Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 10:40:25
End at: 2018-01-16 10:40:55
Local clock offset: -0.255 ms
Remote clock offset: -2.051 ms

Below is generated by plot.py at 2018-01-16 18:44:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 26.677 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 26.677 ms
Loss rate: 0.19%

Run 2: Report of Vivace-latency — Data Link

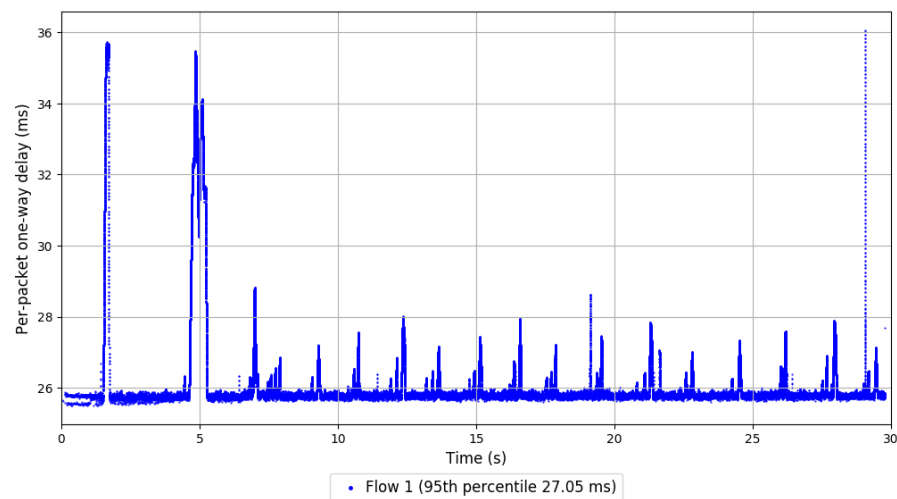
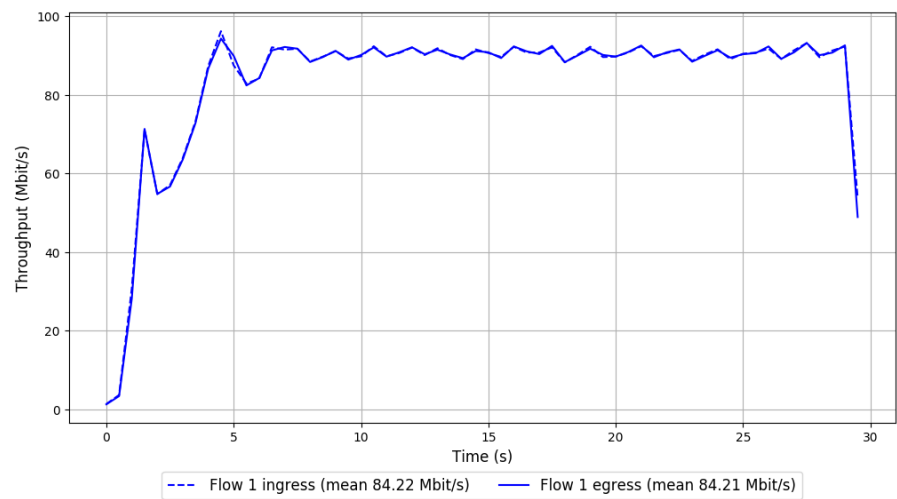


Run 3: Statistics of Vivace-latency

Start at: 2018-01-16 11:04:27
End at: 2018-01-16 11:04:57
Local clock offset: -0.229 ms
Remote clock offset: -1.448 ms

Below is generated by plot.py at 2018-01-16 18:45:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.21 Mbit/s
95th percentile per-packet one-way delay: 27.045 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 84.21 Mbit/s
95th percentile per-packet one-way delay: 27.045 ms
Loss rate: 0.19%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

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

End at: 2018-01-16 11:29:06

Local clock offset: -0.224 ms

Remote clock offset: 1.249 ms

Below is generated by plot.py at 2018-01-16 18:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.29 Mbit/s

95th percentile per-packet one-way delay: 24.907 ms

Loss rate: 0.21%

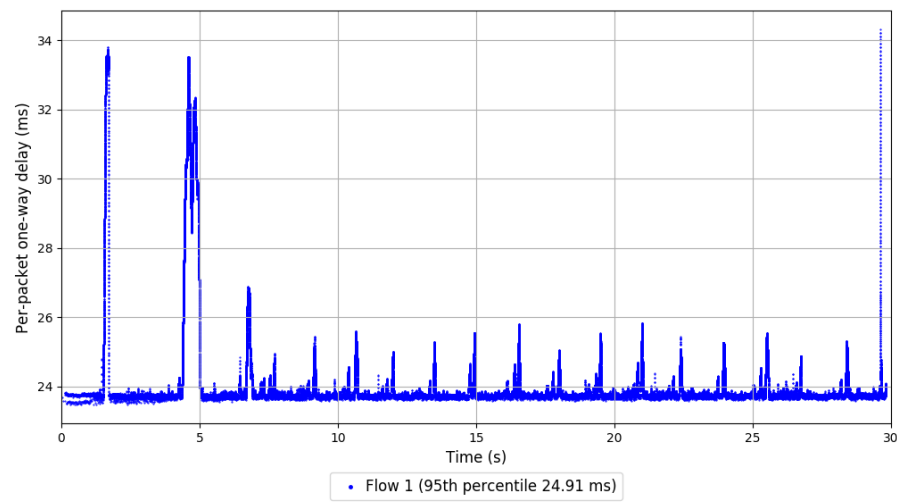
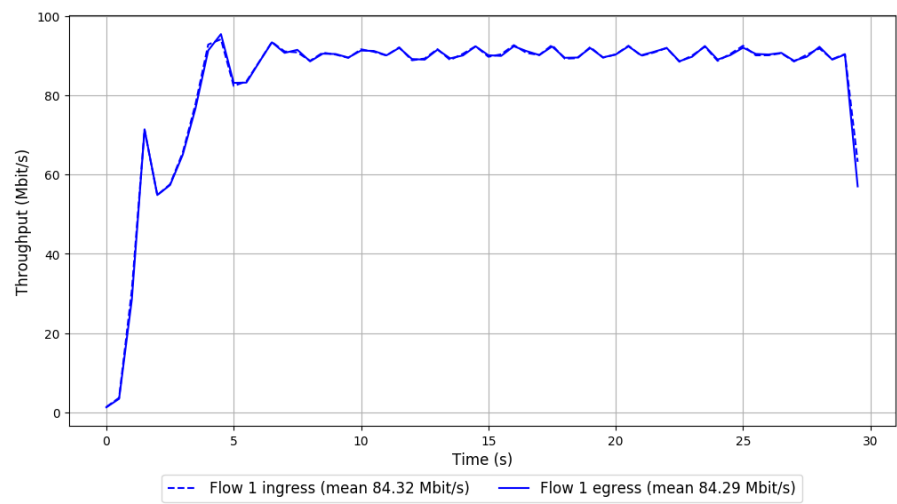
-- Flow 1:

Average throughput: 84.29 Mbit/s

95th percentile per-packet one-way delay: 24.907 ms

Loss rate: 0.21%

Run 4: Report of Vivace-latency — Data Link

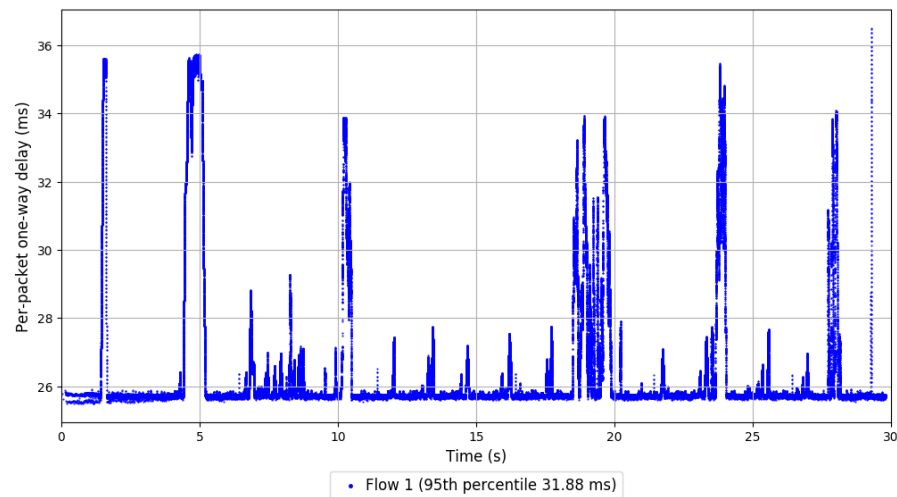
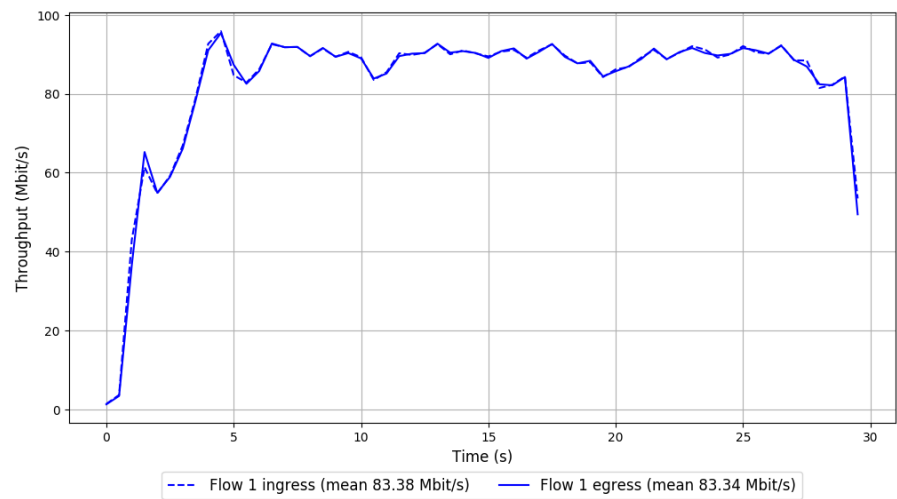


Run 5: Statistics of Vivace-latency

Start at: 2018-01-16 11:52:56
End at: 2018-01-16 11:53:26
Local clock offset: -0.151 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-01-16 18:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 31.880 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 31.880 ms
Loss rate: 0.22%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-16 12:17:06

End at: 2018-01-16 12:17:36

Local clock offset: -0.179 ms

Remote clock offset: 1.385 ms

Below is generated by plot.py at 2018-01-16 18:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.01 Mbit/s

95th percentile per-packet one-way delay: 33.107 ms

Loss rate: 0.39%

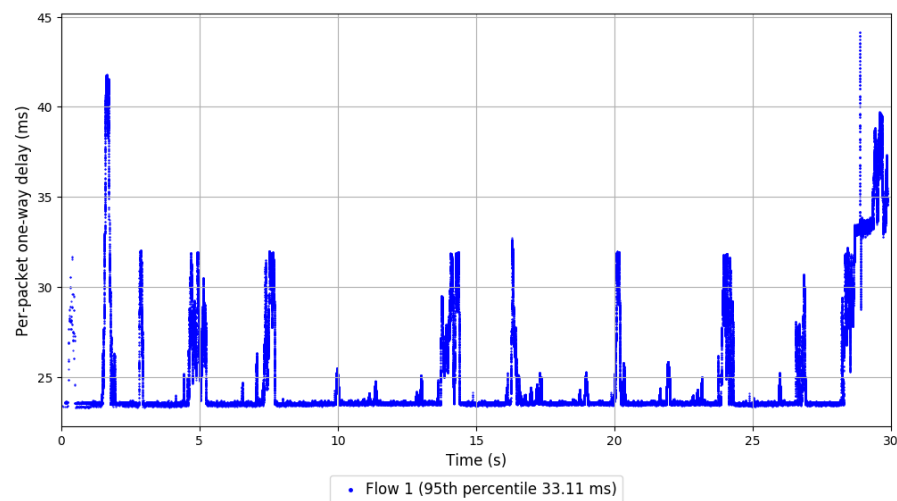
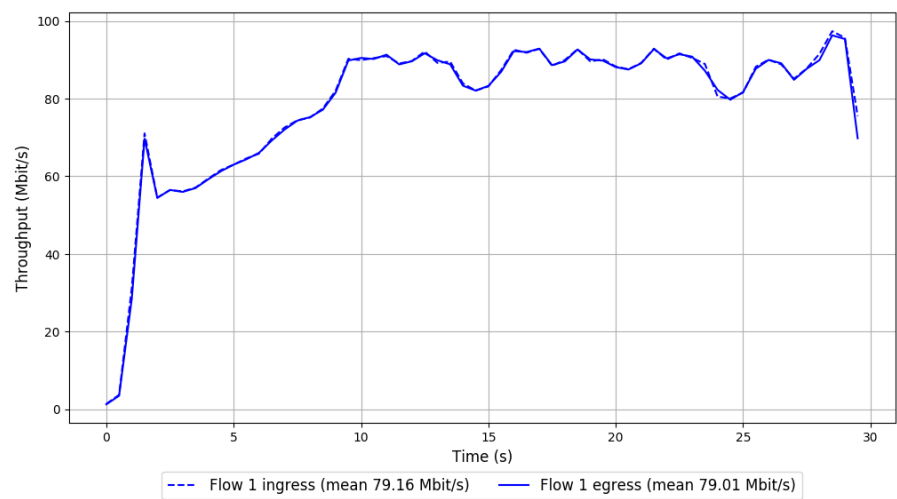
-- Flow 1:

Average throughput: 79.01 Mbit/s

95th percentile per-packet one-way delay: 33.107 ms

Loss rate: 0.39%

Run 6: Report of Vivace-latency — Data Link

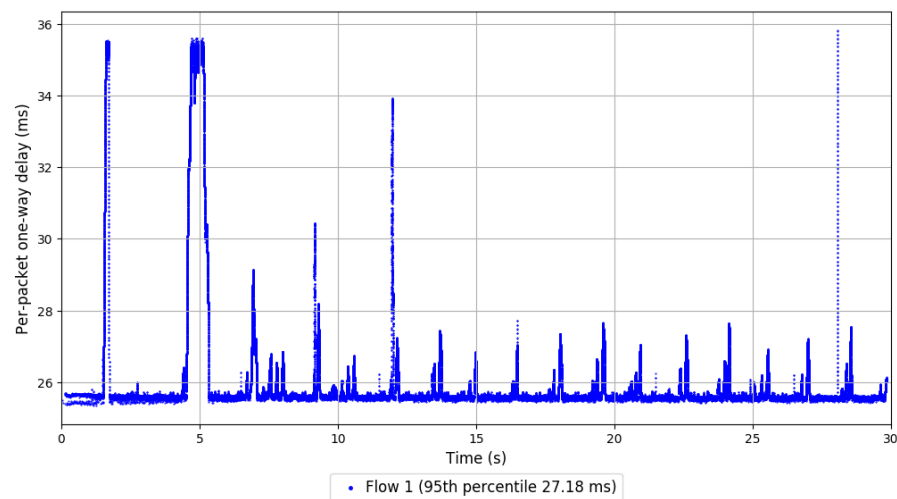
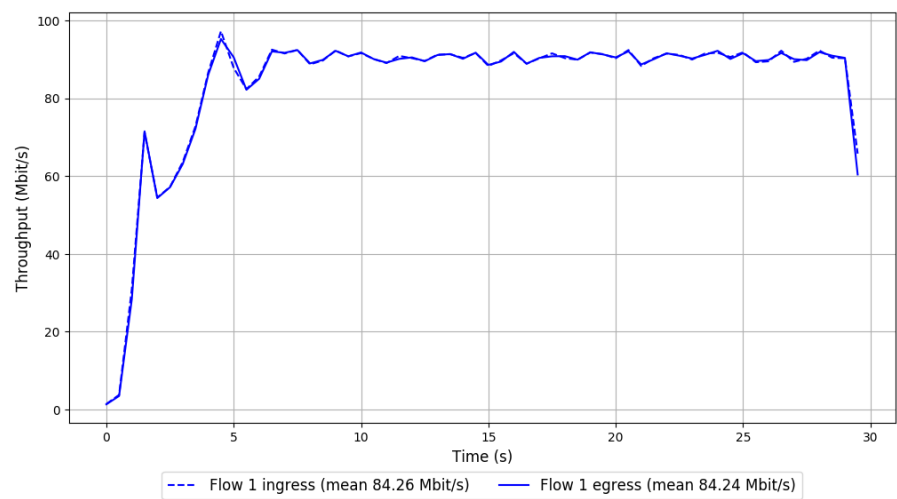


Run 7: Statistics of Vivace-latency

Start at: 2018-01-16 12:41:22
End at: 2018-01-16 12:41:52
Local clock offset: -0.33 ms
Remote clock offset: -2.128 ms

Below is generated by plot.py at 2018-01-16 18:45:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 27.183 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 27.183 ms
Loss rate: 0.20%

Run 7: Report of Vivace-latency — Data Link

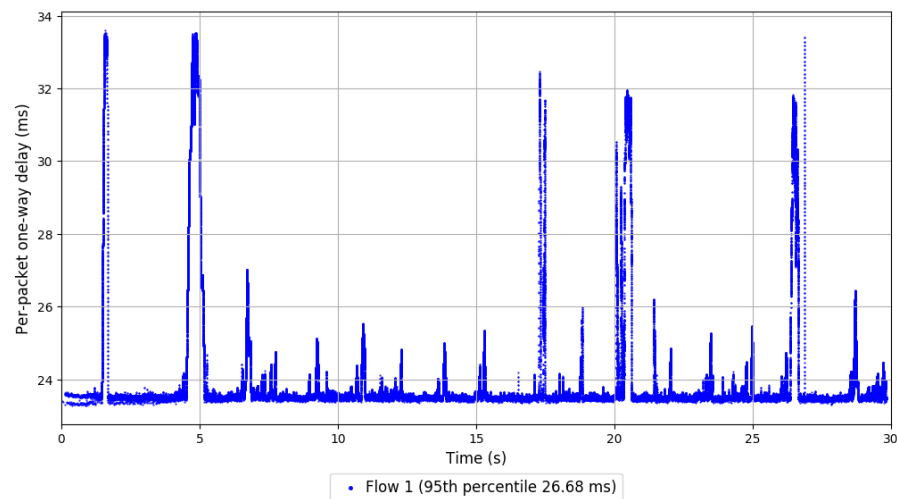
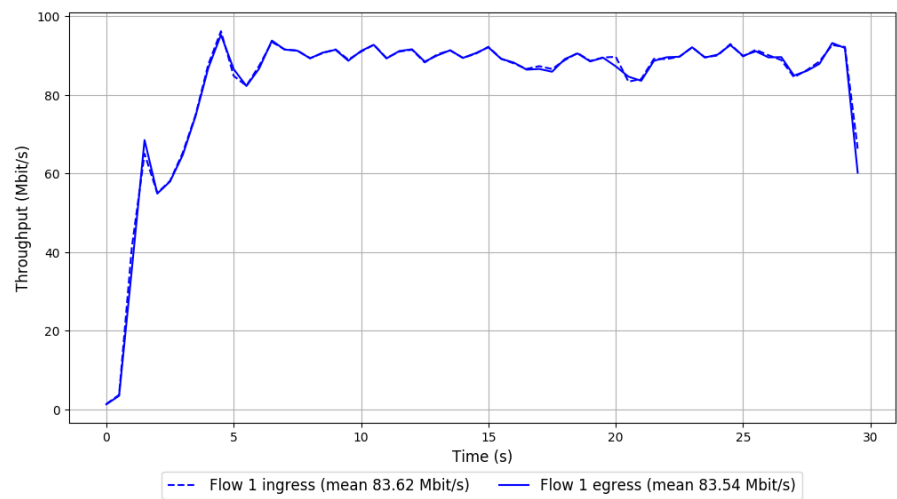


Run 8: Statistics of Vivace-latency

Start at: 2018-01-16 13:05:29
End at: 2018-01-16 13:05:59
Local clock offset: -0.264 ms
Remote clock offset: -1.855 ms

Below is generated by plot.py at 2018-01-16 18:45:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 26.684 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 26.684 ms
Loss rate: 0.27%

Run 8: Report of Vivace-latency — Data Link

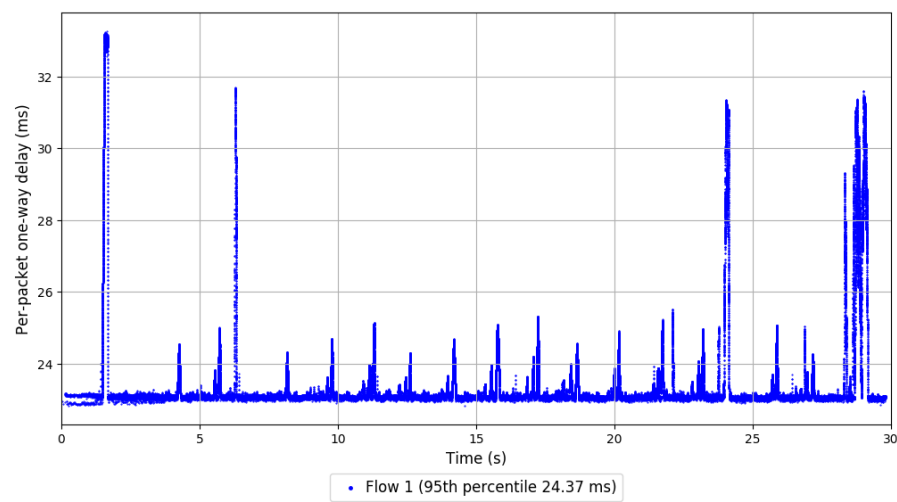
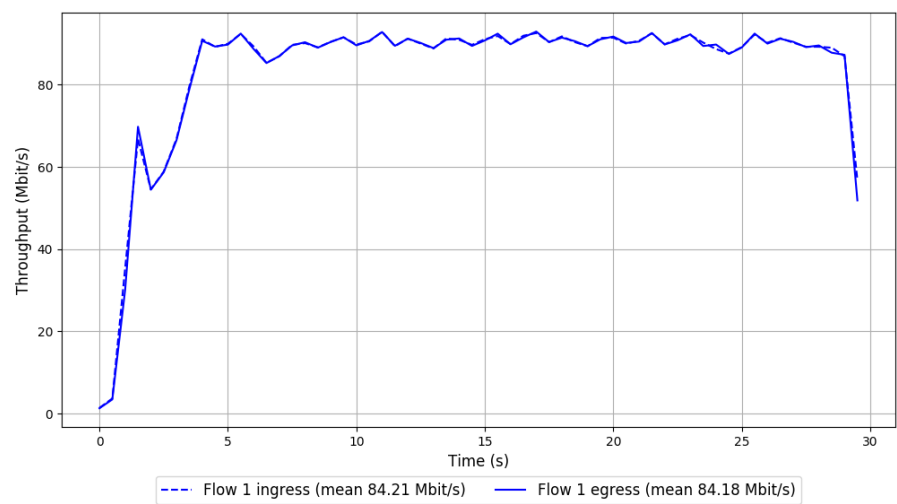


Run 9: Statistics of Vivace-latency

Start at: 2018-01-16 13:29:44
End at: 2018-01-16 13:30:14
Local clock offset: -0.291 ms
Remote clock offset: -2.846 ms

Below is generated by plot.py at 2018-01-16 18:46:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 24.369 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 24.369 ms
Loss rate: 0.21%

Run 9: Report of Vivace-latency — Data Link

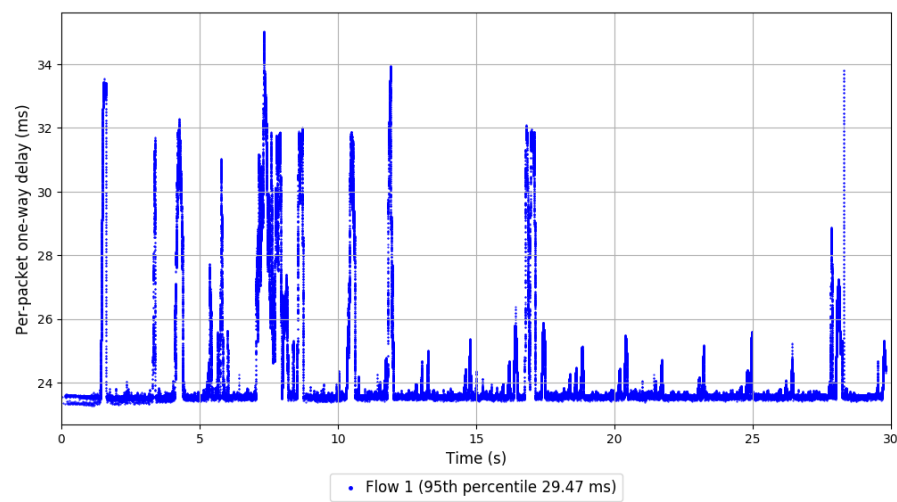
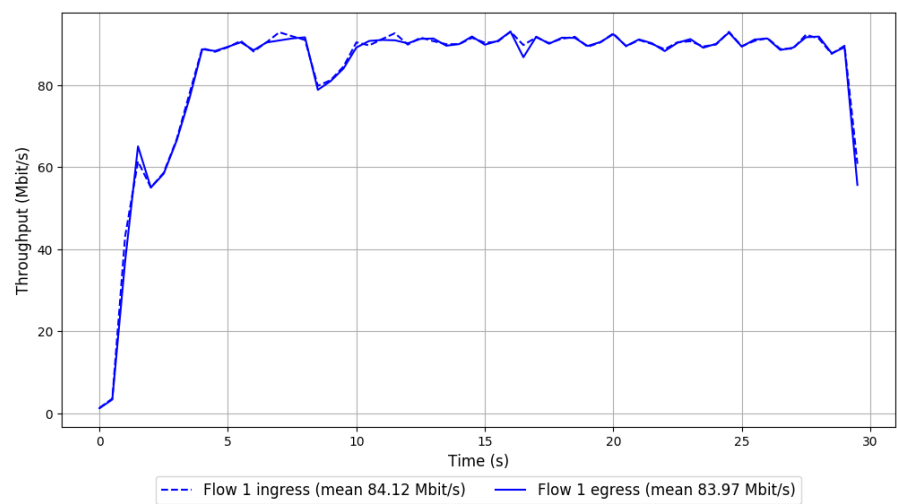


Run 10: Statistics of Vivace-latency

Start at: 2018-01-16 13:53:49
End at: 2018-01-16 13:54:19
Local clock offset: -0.332 ms
Remote clock offset: -3.846 ms

Below is generated by plot.py at 2018-01-16 18:46:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 29.469 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 29.469 ms
Loss rate: 0.36%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 10:12:02

End at: 2018-01-16 10:12:32

Local clock offset: -0.06 ms

Remote clock offset: -0.499 ms

Below is generated by plot.py at 2018-01-16 18:47:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 33.124 ms

Loss rate: 0.23%

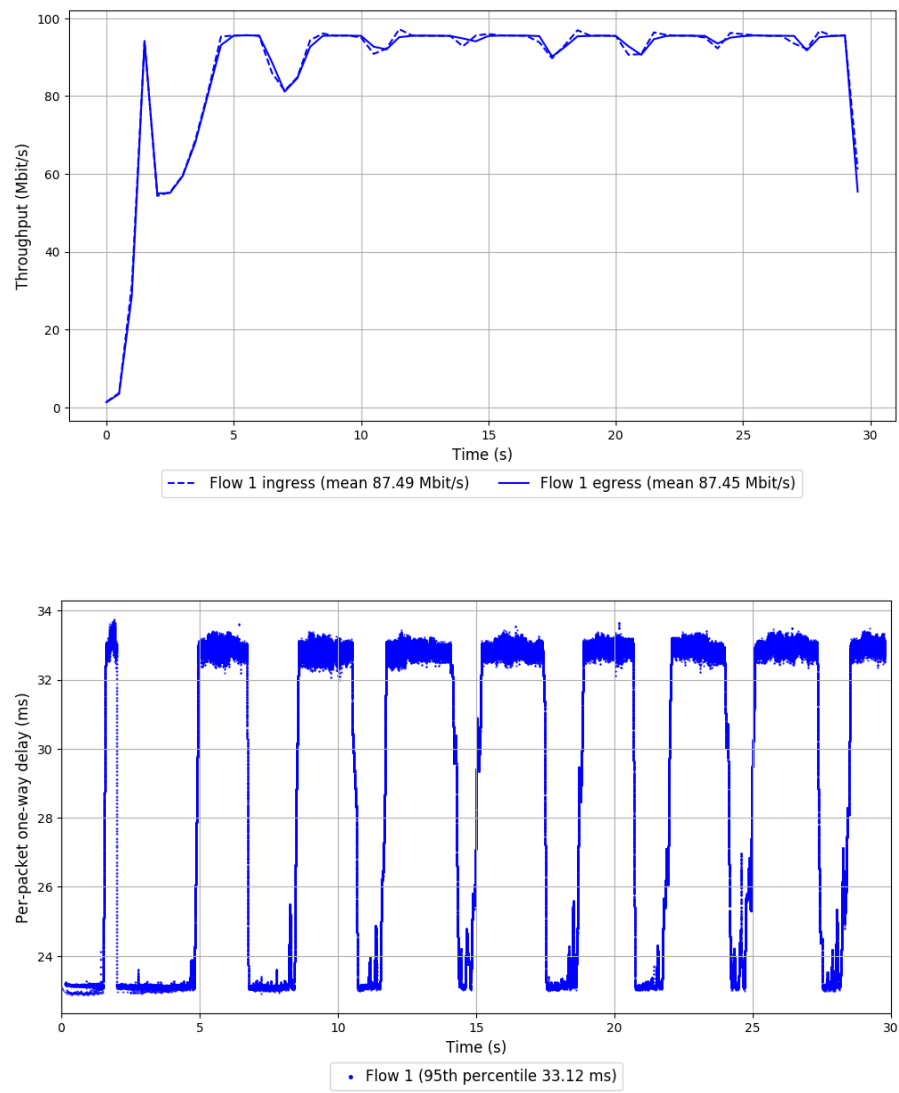
-- Flow 1:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 33.124 ms

Loss rate: 0.23%

Run 1: Report of Vivace-loss — Data Link

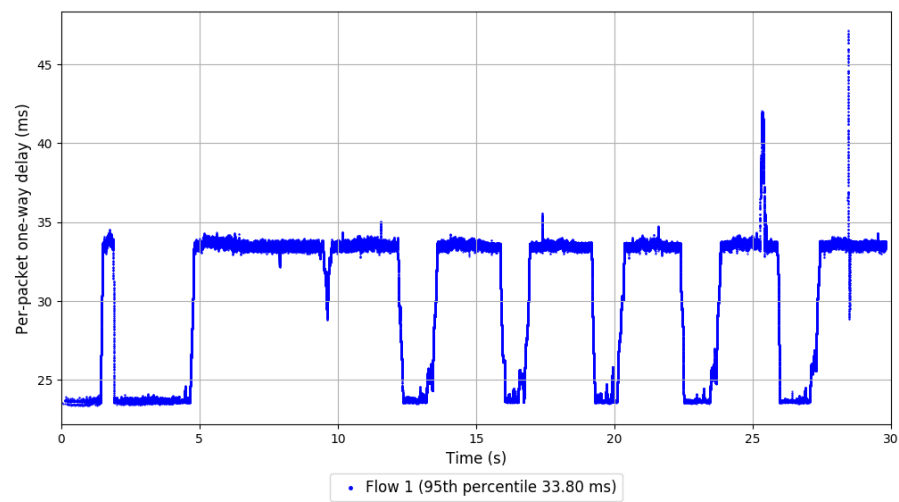
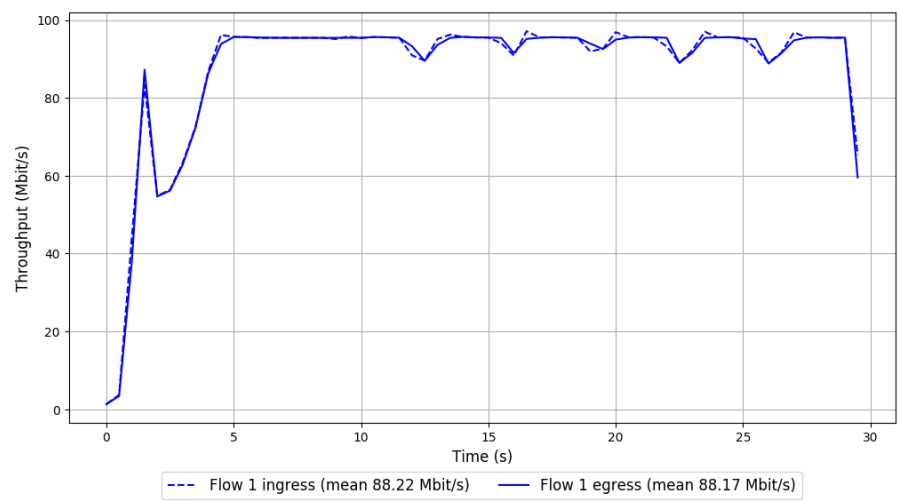


Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 10:36:21
End at: 2018-01-16 10:36:51
Local clock offset: -0.149 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-01-16 18:47:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 33.798 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 33.798 ms
Loss rate: 0.23%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 11:00:26

End at: 2018-01-16 11:00:56

Local clock offset: -0.271 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2018-01-16 18:47:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.11 Mbit/s

95th percentile per-packet one-way delay: 38.065 ms

Loss rate: 0.33%

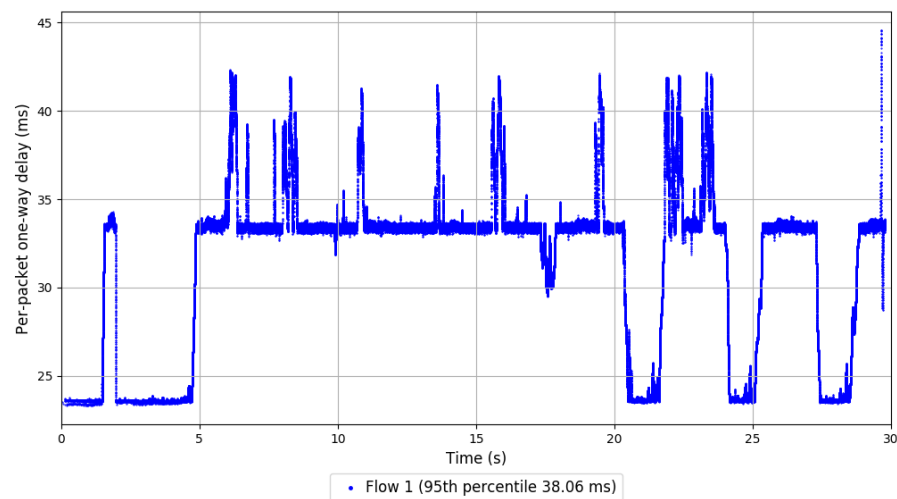
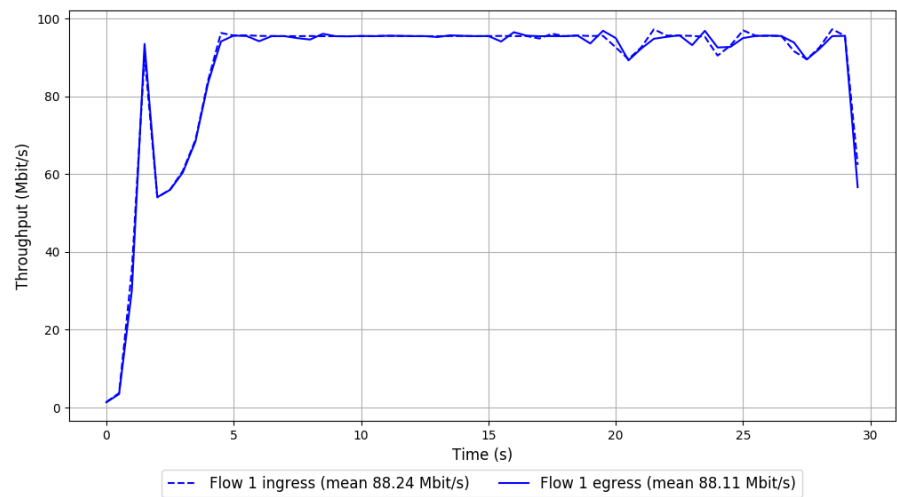
-- Flow 1:

Average throughput: 88.11 Mbit/s

95th percentile per-packet one-way delay: 38.065 ms

Loss rate: 0.33%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-16 11:24:31

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

Local clock offset: -0.308 ms

Remote clock offset: 1.698 ms

Below is generated by plot.py at 2018-01-16 18:47:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 33.169 ms

Loss rate: 0.21%

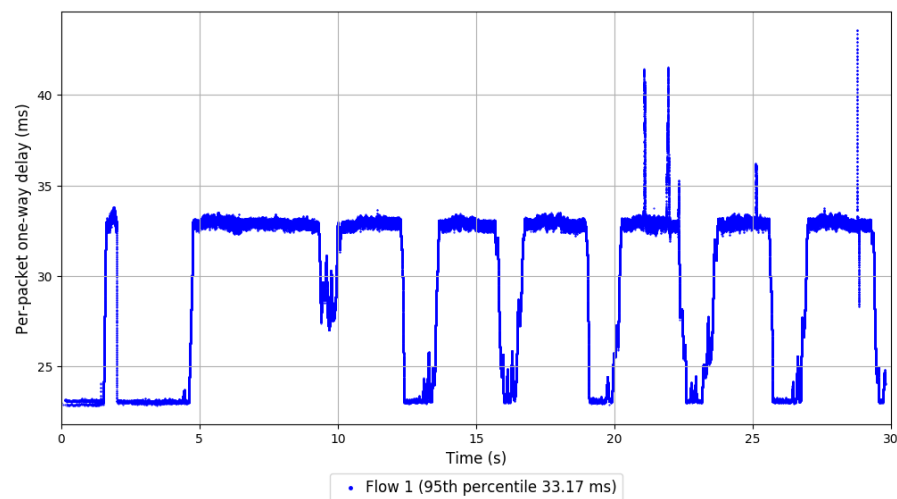
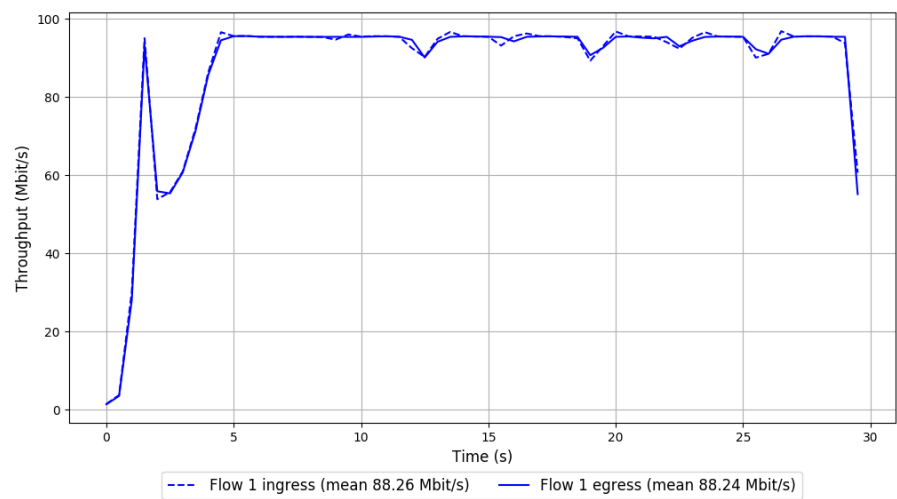
-- Flow 1:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 33.169 ms

Loss rate: 0.21%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-16 11:48:51

End at: 2018-01-16 11:49:21

Local clock offset: -0.176 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-01-16 18:47:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.16 Mbit/s

95th percentile per-packet one-way delay: 35.697 ms

Loss rate: 0.23%

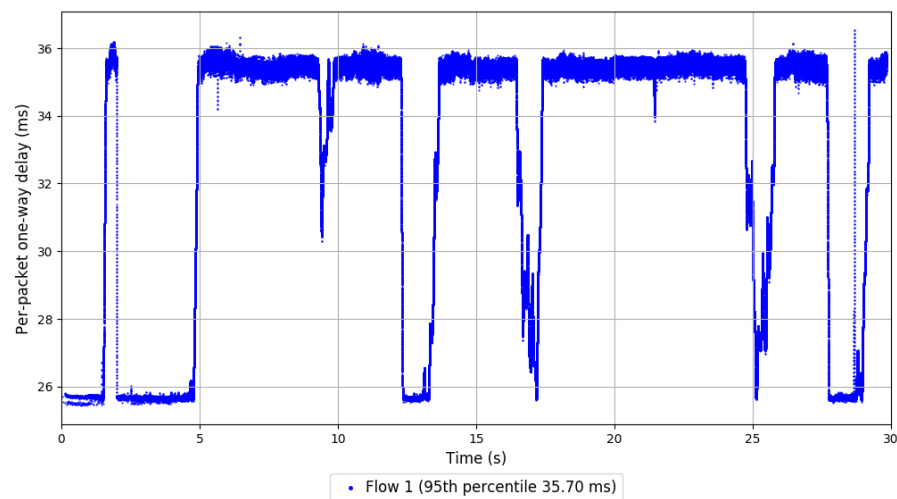
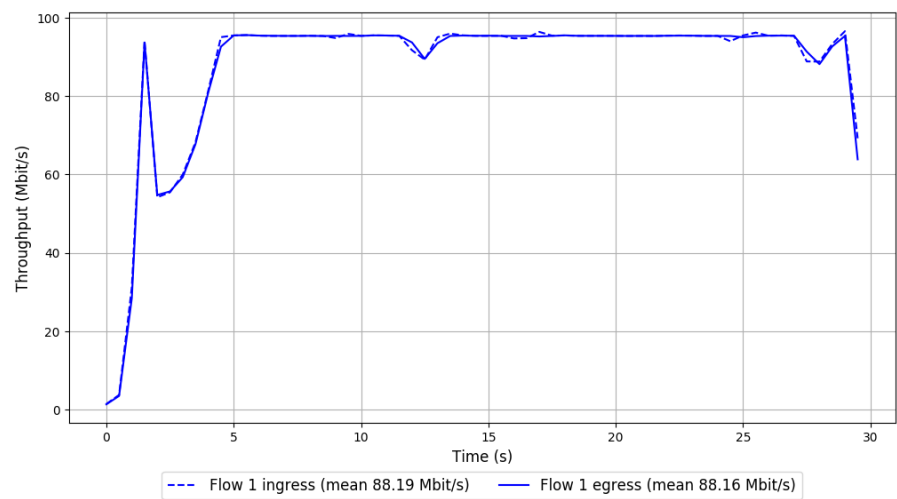
-- Flow 1:

Average throughput: 88.16 Mbit/s

95th percentile per-packet one-way delay: 35.697 ms

Loss rate: 0.23%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-16 12:13:07

End at: 2018-01-16 12:13:37

Local clock offset: -0.241 ms

Remote clock offset: -0.65 ms

Below is generated by plot.py at 2018-01-16 18:47:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 37.946 ms

Loss rate: 0.26%

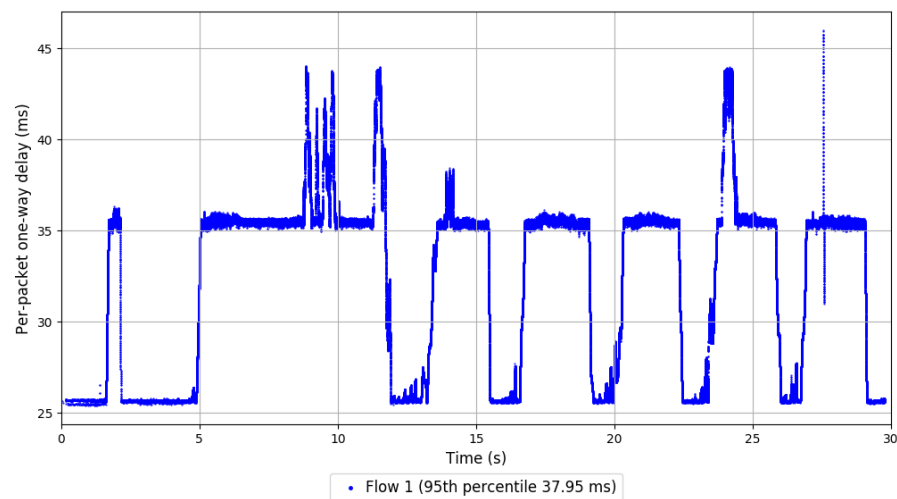
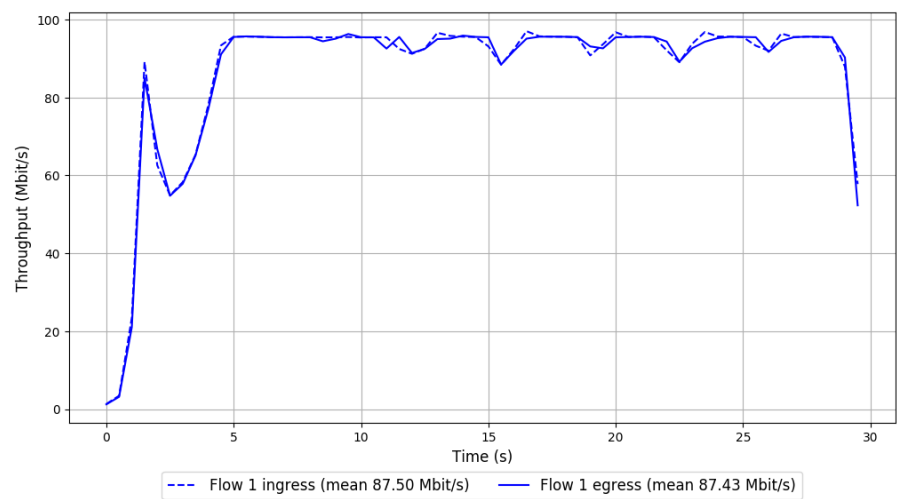
-- Flow 1:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 37.946 ms

Loss rate: 0.26%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-16 12:37:18

End at: 2018-01-16 12:37:48

Local clock offset: -0.314 ms

Remote clock offset: 0.739 ms

Below is generated by plot.py at 2018-01-16 18:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 33.055 ms

Loss rate: 0.24%

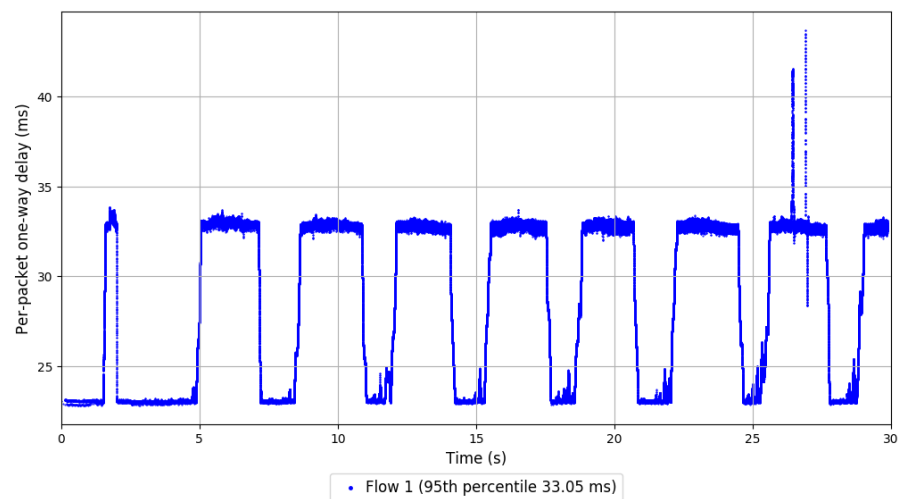
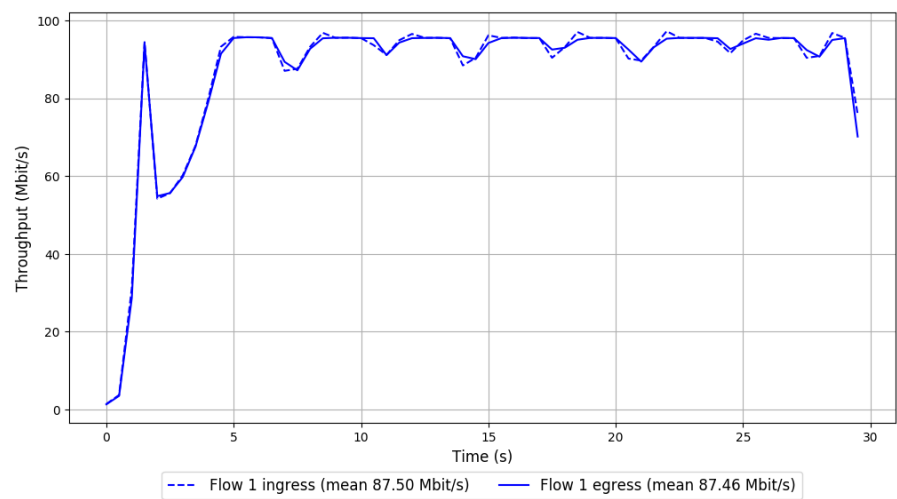
-- Flow 1:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 33.055 ms

Loss rate: 0.24%

Run 7: Report of Vivace-loss — Data Link

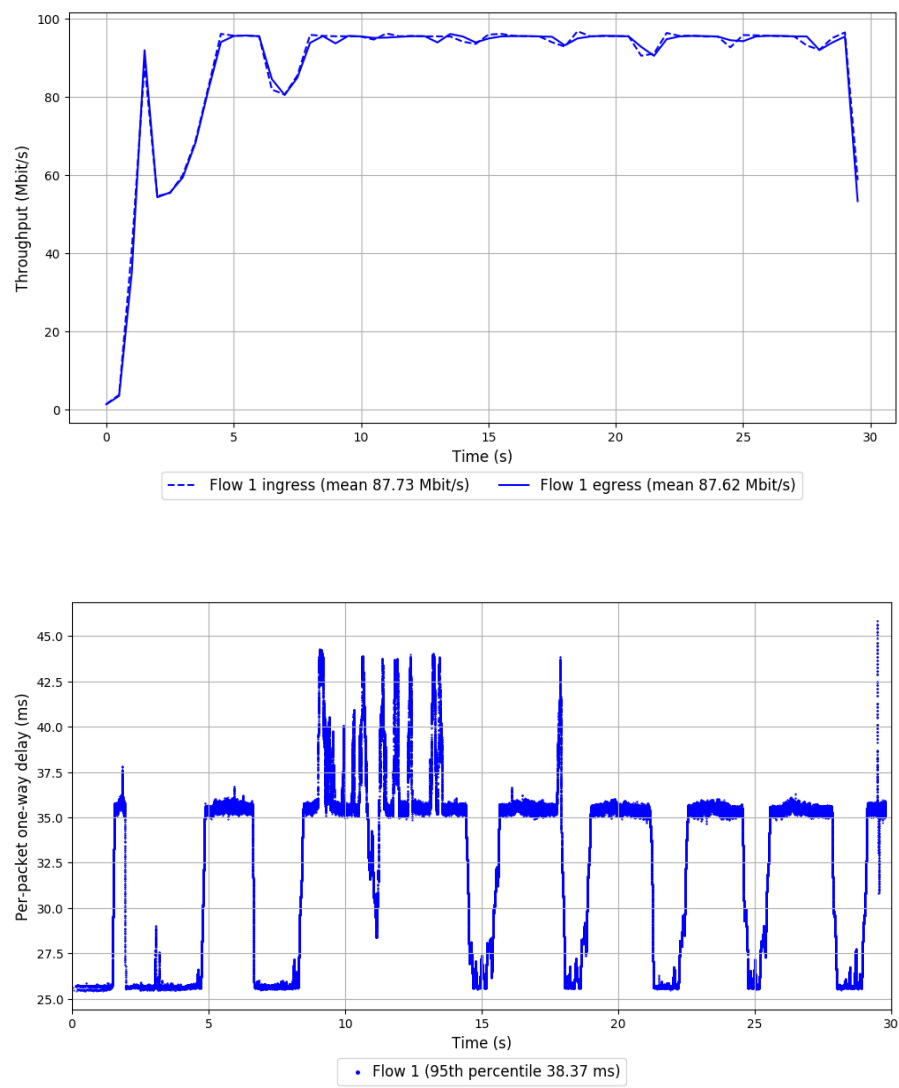


Run 8: Statistics of Vivace-loss

Start at: 2018-01-16 13:01:25
End at: 2018-01-16 13:01:55
Local clock offset: -0.205 ms
Remote clock offset: -3.606 ms

Below is generated by plot.py at 2018-01-16 18:48:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 38.372 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 38.372 ms
Loss rate: 0.30%

Run 8: Report of Vivace-loss — Data Link

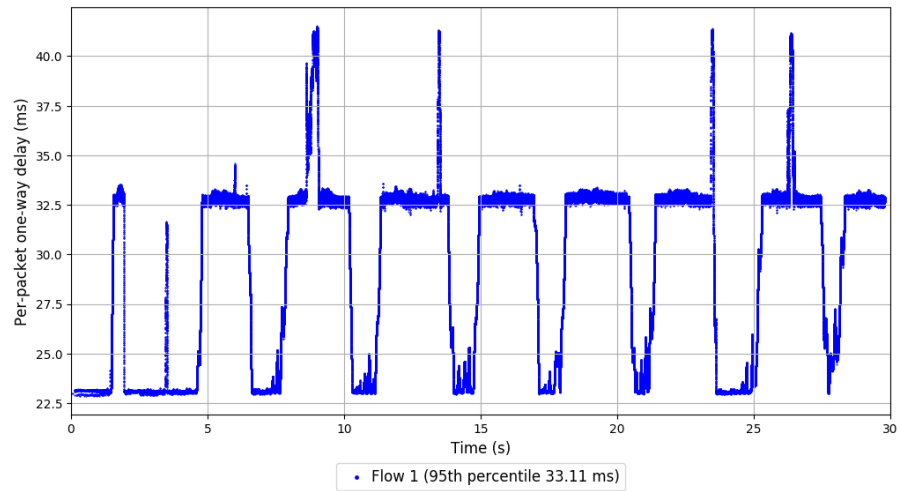
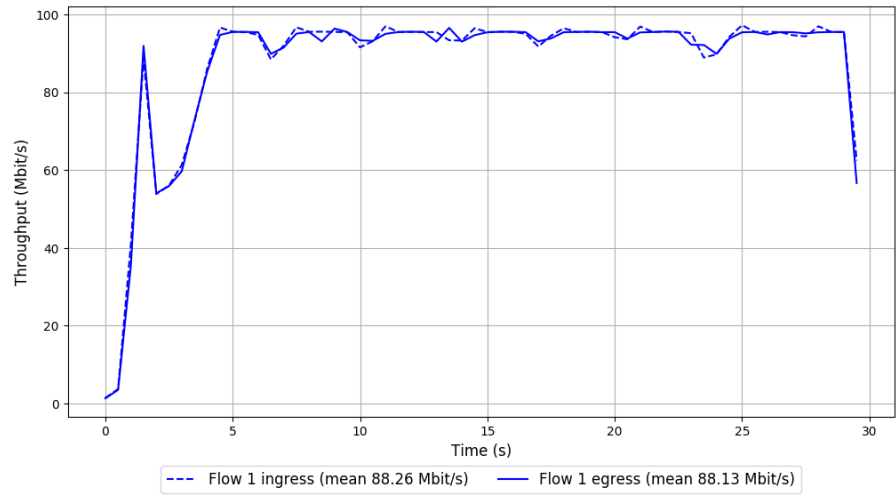


Run 9: Statistics of Vivace-loss

Start at: 2018-01-16 13:25:39
End at: 2018-01-16 13:26:09
Local clock offset: -0.312 ms
Remote clock offset: -2.635 ms

Below is generated by plot.py at 2018-01-16 18:49:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.13 Mbit/s
95th percentile per-packet one-way delay: 33.108 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 88.13 Mbit/s
95th percentile per-packet one-way delay: 33.108 ms
Loss rate: 0.34%

Run 9: Report of Vivace-loss — Data Link

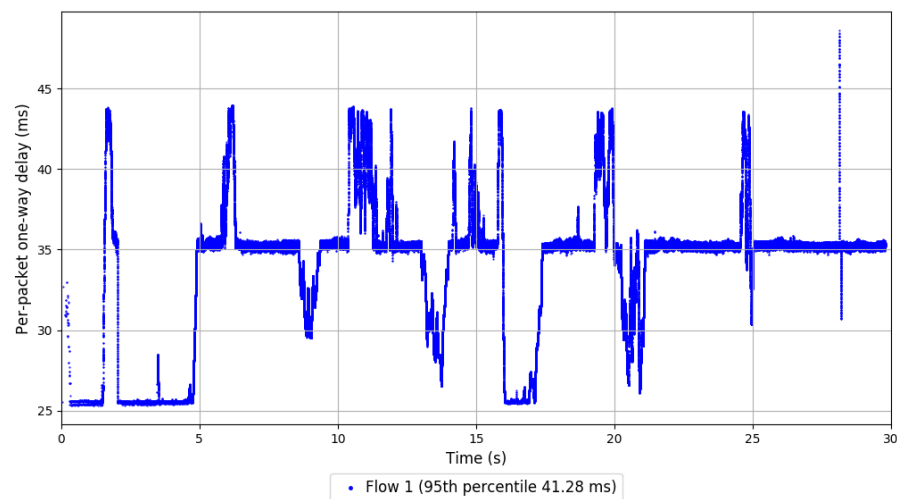
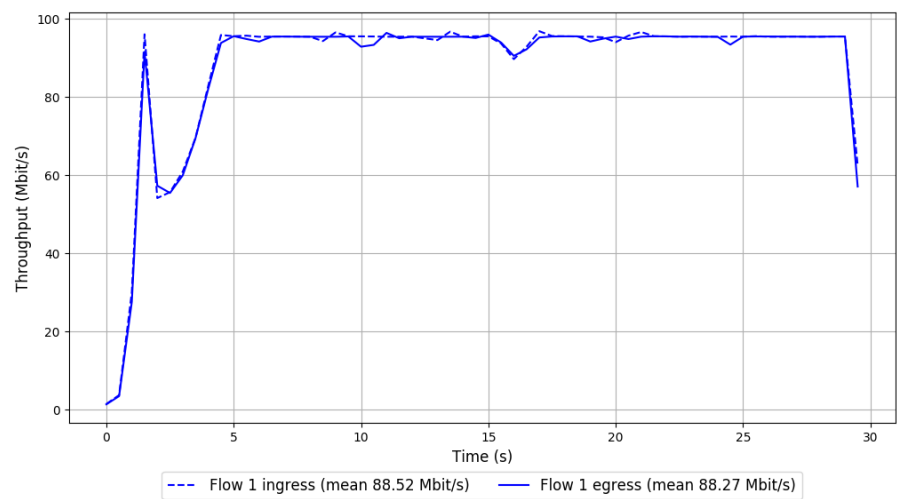


Run 10: Statistics of Vivace-loss

Start at: 2018-01-16 13:49:48
End at: 2018-01-16 13:50:18
Local clock offset: -0.352 ms
Remote clock offset: -5.841 ms

Below is generated by plot.py at 2018-01-16 18:49:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 41.281 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 41.281 ms
Loss rate: 0.48%

Run 10: Report of Vivace-loss — Data Link

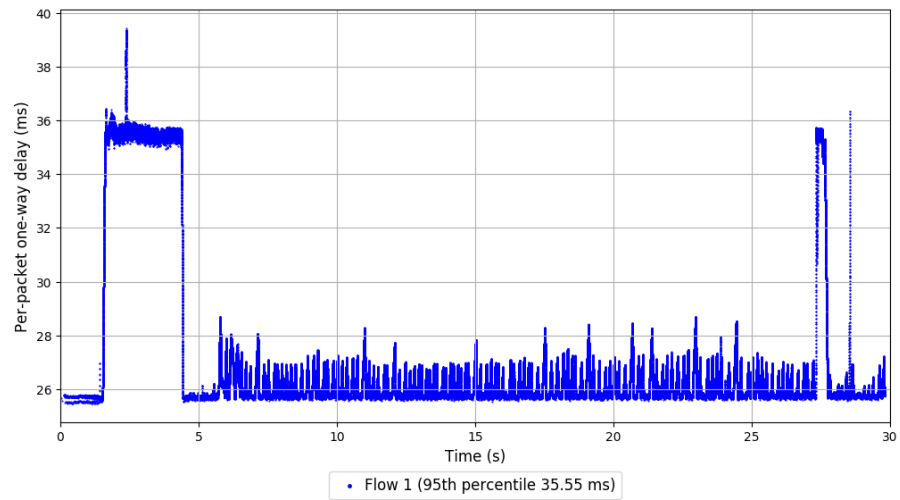
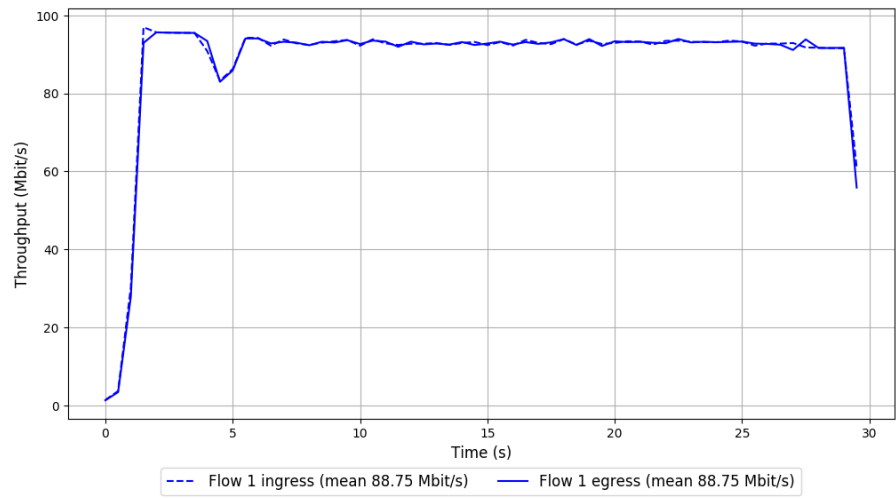


Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 10:21:29
End at: 2018-01-16 10:21:59
Local clock offset: -0.021 ms
Remote clock offset: -2.734 ms

Below is generated by plot.py at 2018-01-16 18:50:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 35.548 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 35.548 ms
Loss rate: 0.18%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 10:45:47

End at: 2018-01-16 10:46:17

Local clock offset: -0.185 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-01-16 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.30 Mbit/s

95th percentile per-packet one-way delay: 33.463 ms

Loss rate: 0.22%

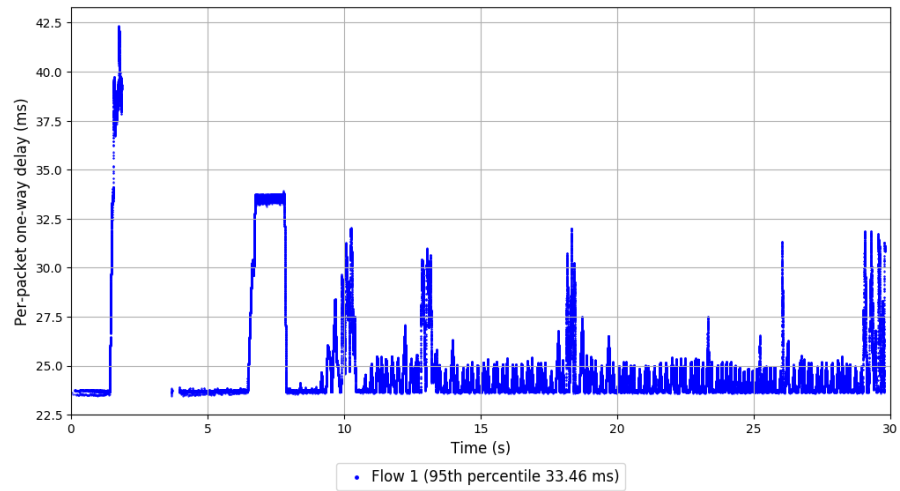
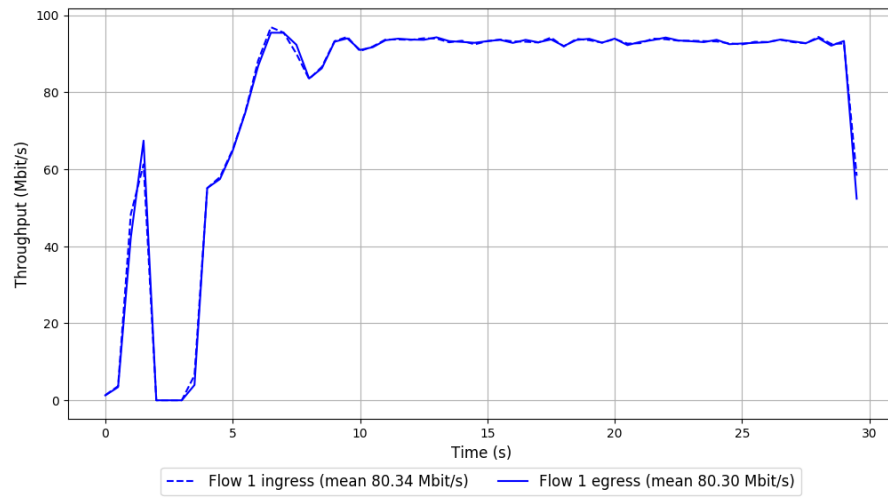
-- Flow 1:

Average throughput: 80.30 Mbit/s

95th percentile per-packet one-way delay: 33.463 ms

Loss rate: 0.22%

Run 2: Report of Vivace-LTE — Data Link

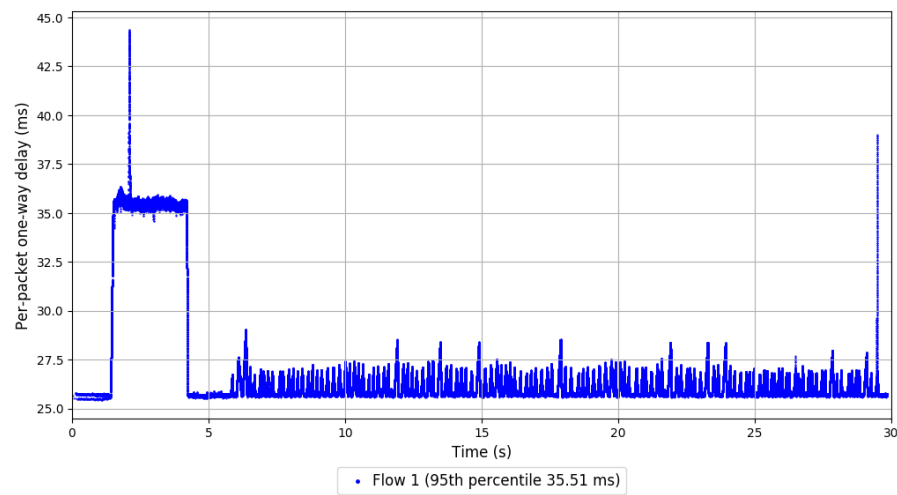
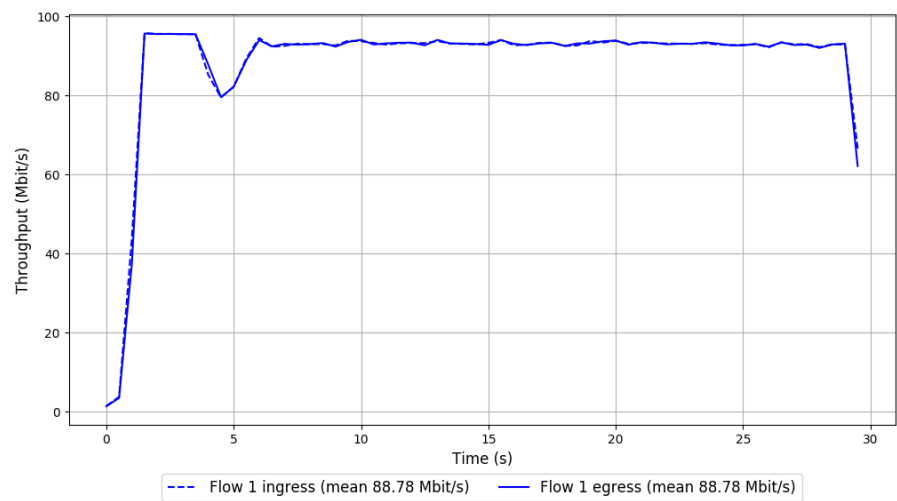


Run 3: Statistics of Vivace-LTE

Start at: 2018-01-16 11:09:50
End at: 2018-01-16 11:10:20
Local clock offset: -0.239 ms
Remote clock offset: -1.285 ms

Below is generated by plot.py at 2018-01-16 18:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 35.513 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 35.513 ms
Loss rate: 0.18%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-16 11:34:05

End at: 2018-01-16 11:34:35

Local clock offset: -0.233 ms

Remote clock offset: 1.402 ms

Below is generated by plot.py at 2018-01-16 18:50:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.70 Mbit/s

95th percentile per-packet one-way delay: 33.633 ms

Loss rate: 0.19%

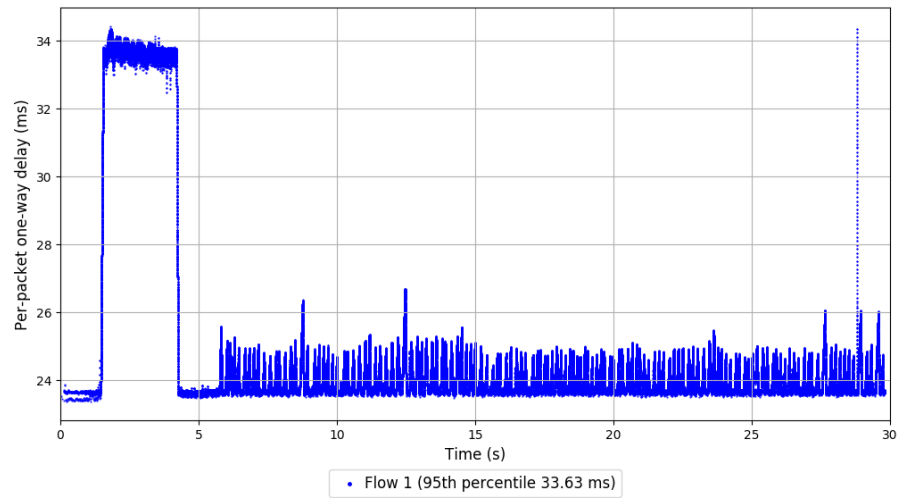
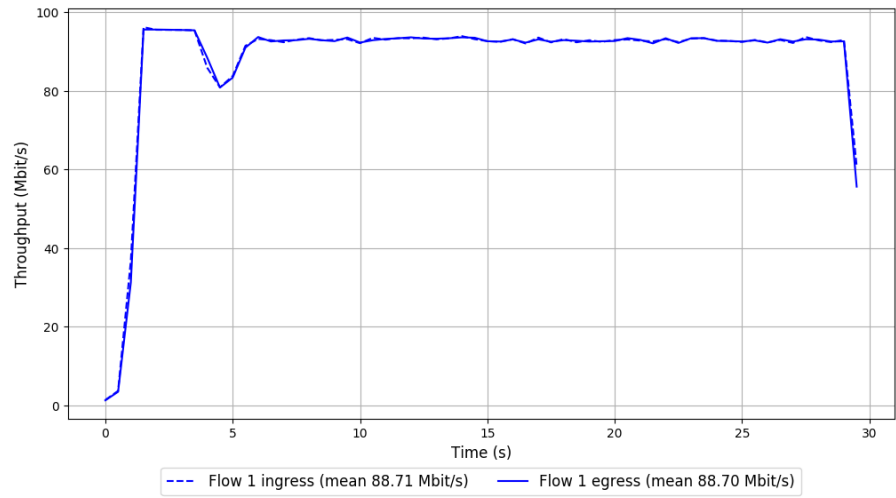
-- Flow 1:

Average throughput: 88.70 Mbit/s

95th percentile per-packet one-way delay: 33.633 ms

Loss rate: 0.19%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-16 11:58:26

End at: 2018-01-16 11:58:56

Local clock offset: -0.145 ms

Remote clock offset: 2.34 ms

Below is generated by plot.py at 2018-01-16 18:50:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 32.939 ms

Loss rate: 0.22%

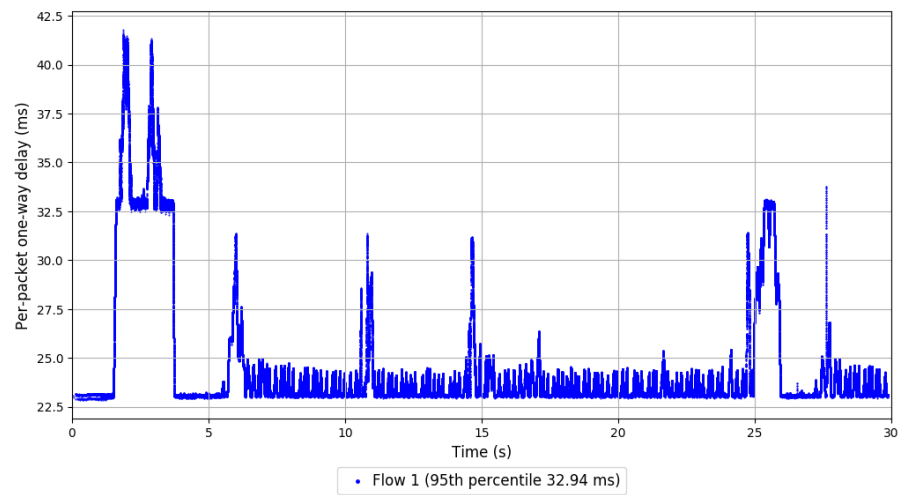
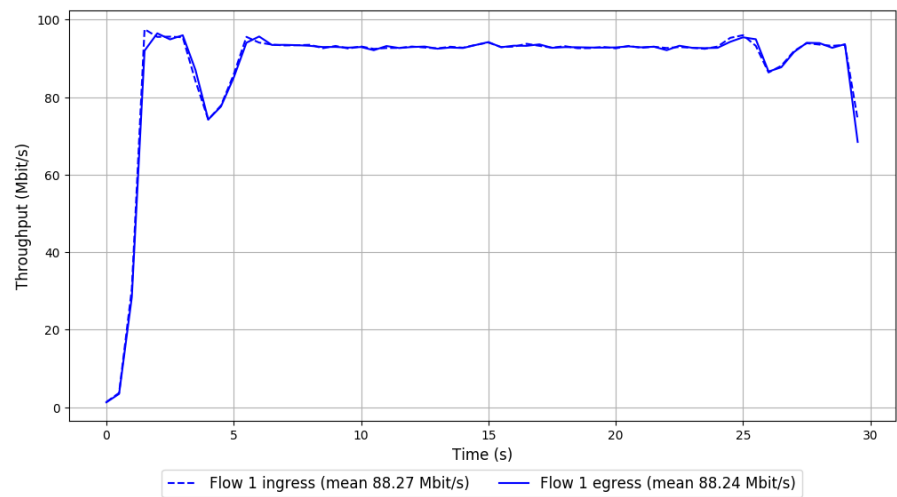
-- Flow 1:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 32.939 ms

Loss rate: 0.22%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-16 12:22:38

End at: 2018-01-16 12:23:08

Local clock offset: -0.268 ms

Remote clock offset: 1.538 ms

Below is generated by plot.py at 2018-01-16 18:50:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 33.754 ms

Loss rate: 0.27%

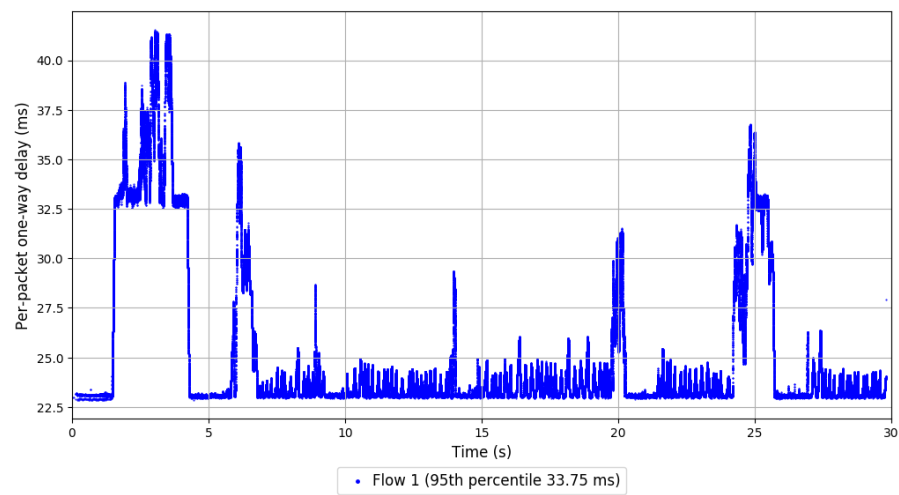
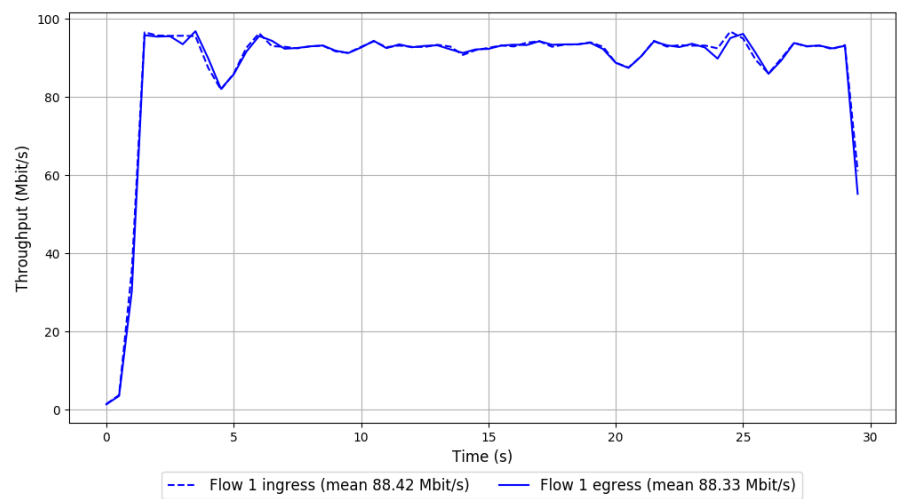
-- Flow 1:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 33.754 ms

Loss rate: 0.27%

Run 6: Report of Vivace-LTE — Data Link

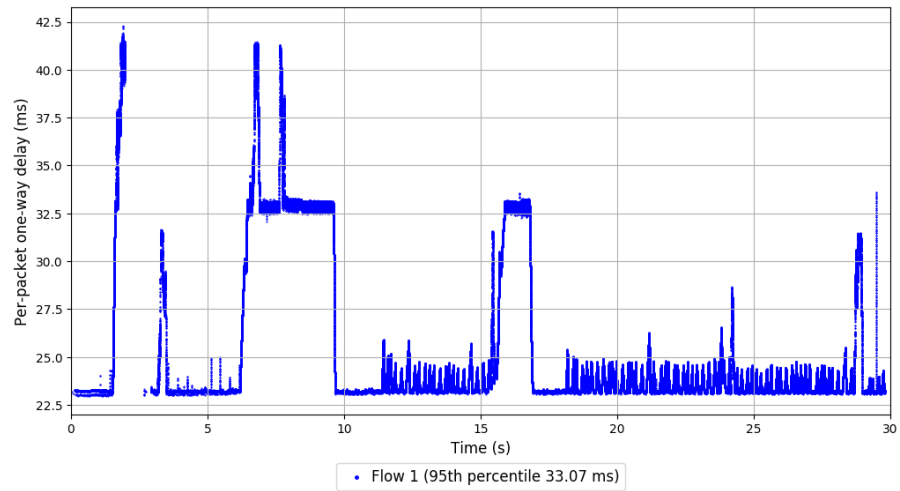
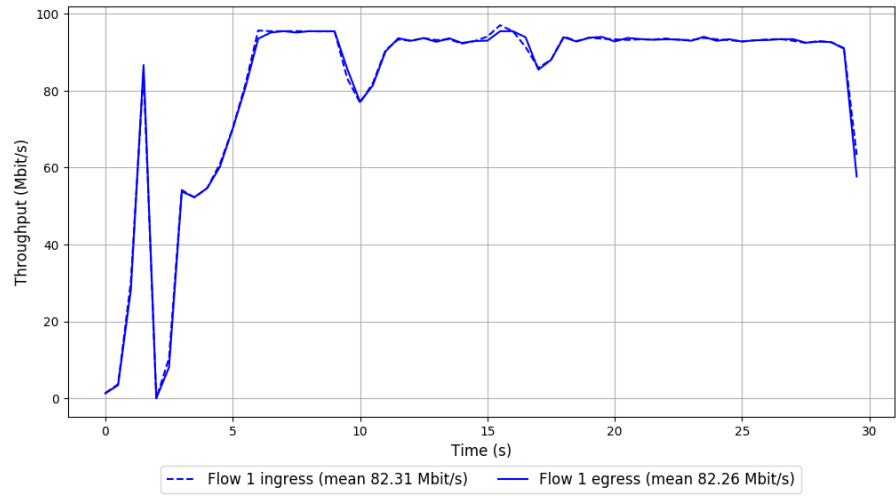


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-16 12:46:44
End at: 2018-01-16 12:47:14
Local clock offset: -0.258 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-01-16 18:51:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 33.071 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 33.071 ms
Loss rate: 0.24%

Run 7: Report of Vivace-LTE — Data Link

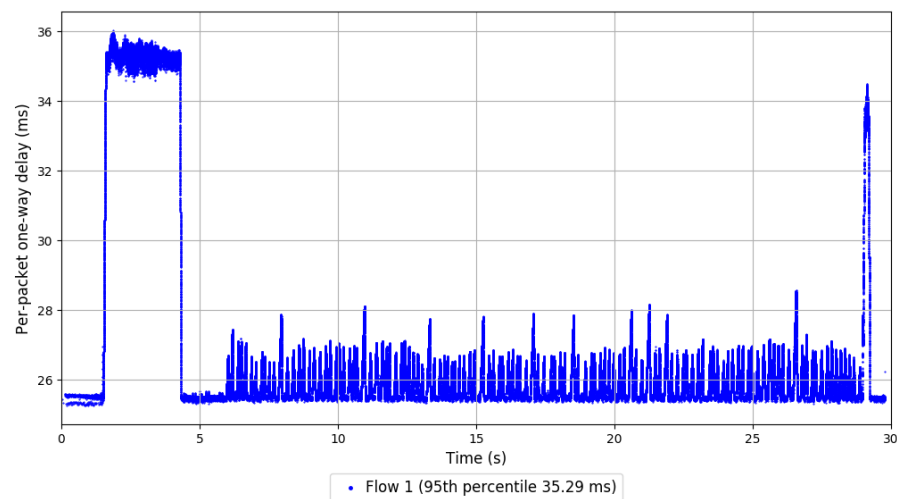
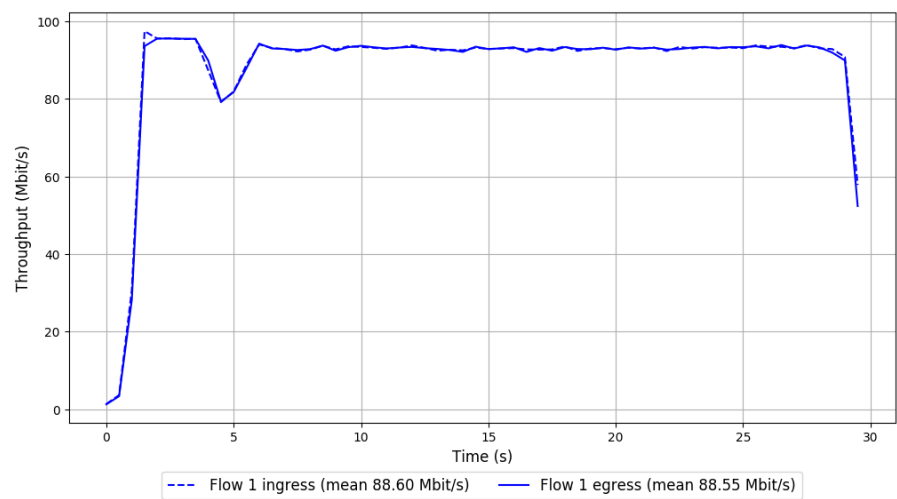


Run 8: Statistics of Vivace-LTE

Start at: 2018-01-16 13:10:52
End at: 2018-01-16 13:11:22
Local clock offset: -0.274 ms
Remote clock offset: -4.248 ms

Below is generated by plot.py at 2018-01-16 18:51:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 35.288 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 35.288 ms
Loss rate: 0.23%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-16 13:35:06

End at: 2018-01-16 13:35:36

Local clock offset: -0.24 ms

Remote clock offset: -5.739 ms

Below is generated by plot.py at 2018-01-16 18:51:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.72 Mbit/s

95th percentile per-packet one-way delay: 35.633 ms

Loss rate: 0.20%

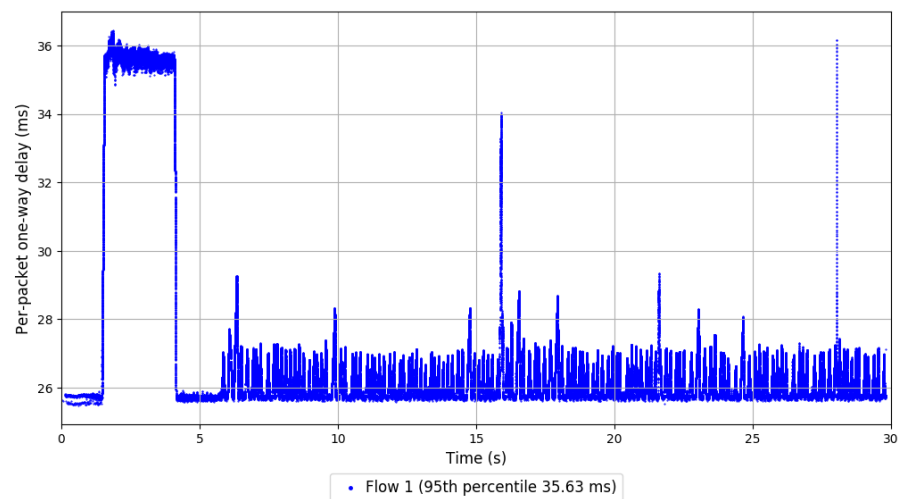
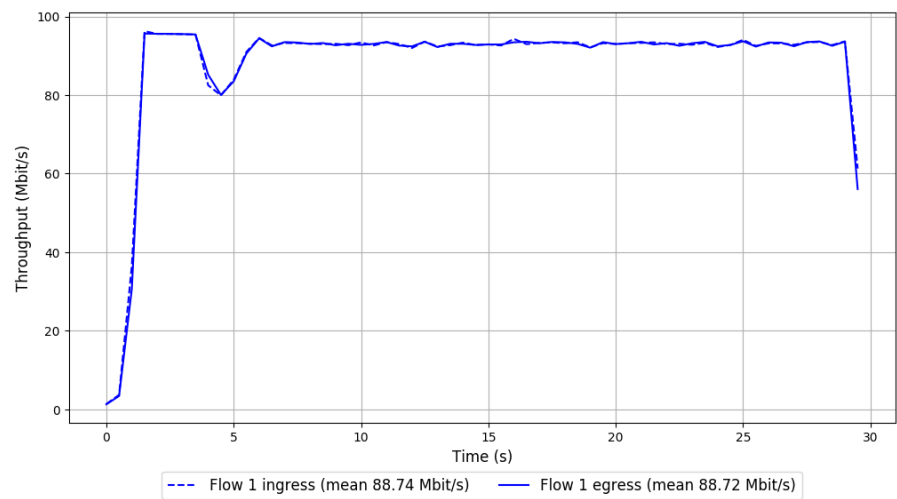
-- Flow 1:

Average throughput: 88.72 Mbit/s

95th percentile per-packet one-way delay: 35.633 ms

Loss rate: 0.20%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-16 13:59:19

End at: 2018-01-16 13:59:49

Local clock offset: -0.26 ms

Remote clock offset: -3.275 ms

Below is generated by plot.py at 2018-01-16 18:51:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 33.126 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 33.126 ms

Loss rate: 0.49%

Run 10: Report of Vivace-LTE — Data Link

