

Pantheon Report

Generated at 2018-01-26 10:08:02 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

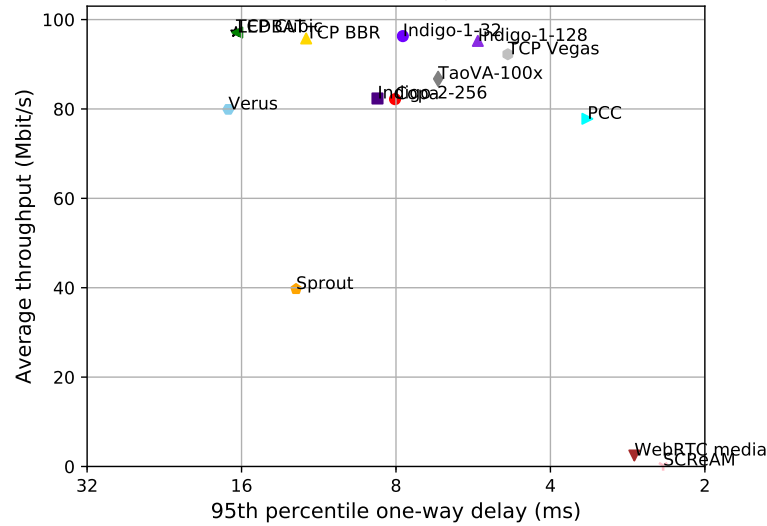
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

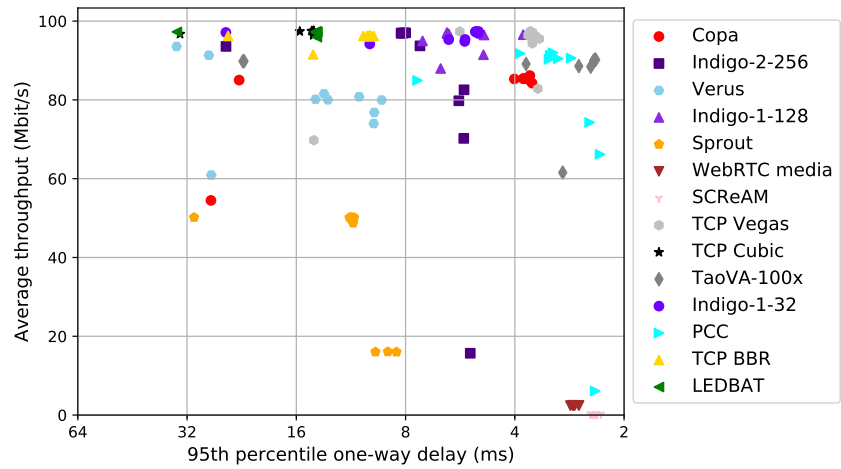
Git summary:

```
branch: master @ f23294ec38436c9f802847d477a41b7343ec76e6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
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 Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.78	11.97	0.04
TCP Cubic	10	97.21	16.40	0.06
LEDBAT	9	97.10	16.31	0.06
PCC	10	77.80	3.39	0.02
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.22	2.41	0.00
WebRTC media	10	2.46	2.74	0.01
Sprout	10	39.72	12.53	0.02
TaoVA-100x	10	86.74	6.62	0.02
TCP Vegas	10	92.23	4.84	0.02
Verus	10	79.91	16.98	0.03
Copa	10	82.19	8.03	0.02
Indigo-2-256	10	82.35	8.69	0.03
Indigo-1-32	10	96.30	7.76	0.02
Indigo-1-128	10	95.23	5.54	0.02

Run 1: Statistics of TCP BBR

Start at: 2018-01-25 20:46:03

End at: 2018-01-25 20:46:33

Local clock offset: 0.941 ms

Remote clock offset: 0.827 ms

Below is generated by plot.py at 2018-01-26 09:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 10.018 ms

Loss rate: 0.04%

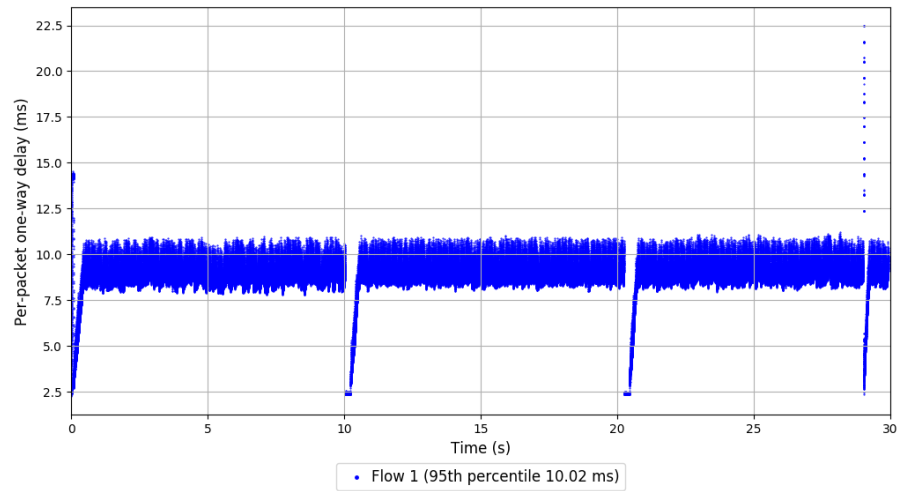
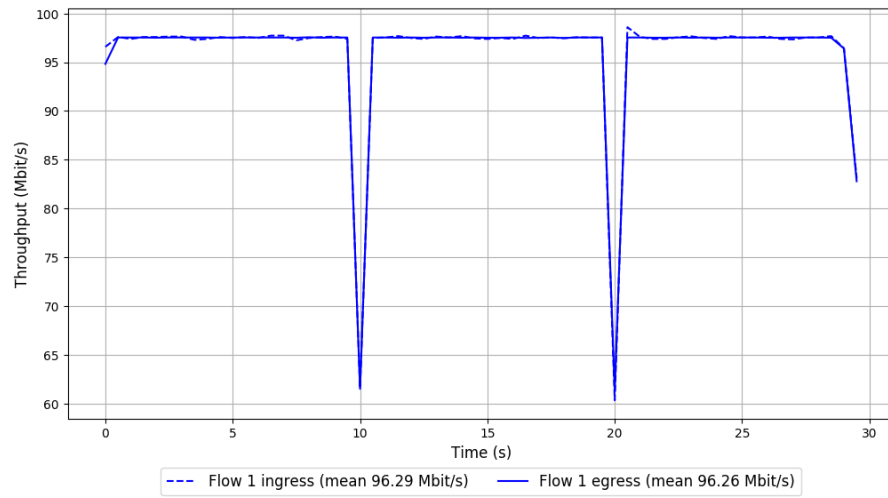
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 10.018 ms

Loss rate: 0.04%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-25 21:04:07

End at: 2018-01-25 21:04:37

Local clock offset: 0.793 ms

Remote clock offset: 0.798 ms

Below is generated by plot.py at 2018-01-26 09:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.965 ms

Loss rate: 0.04%

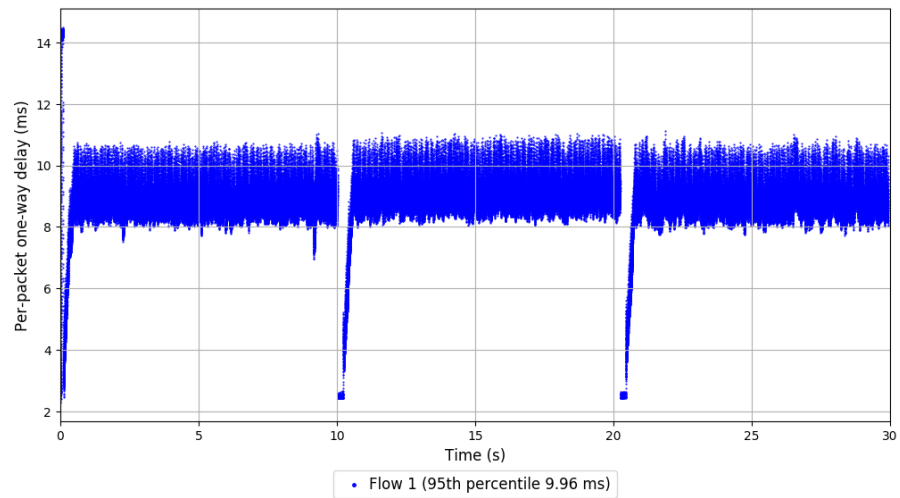
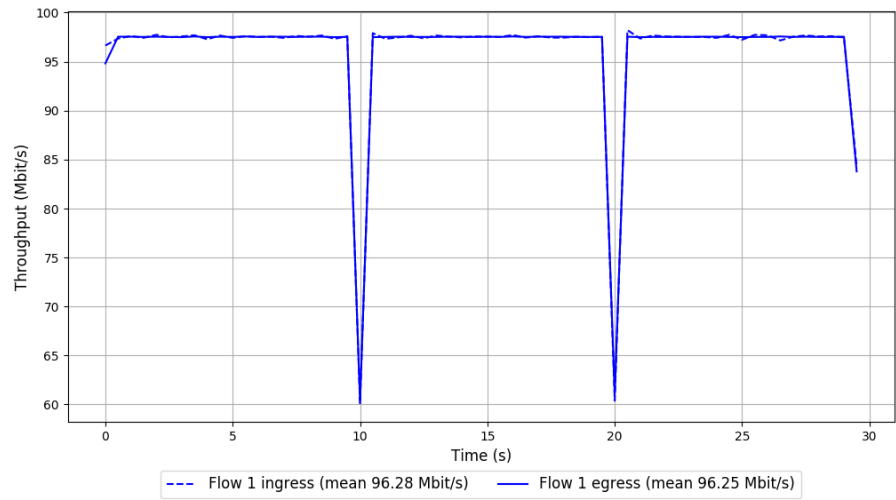
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.965 ms

Loss rate: 0.04%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-25 21:22:06

End at: 2018-01-25 21:22:36

Local clock offset: 0.613 ms

Remote clock offset: 0.988 ms

Below is generated by plot.py at 2018-01-26 09:48:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 9.992 ms

Loss rate: 0.04%

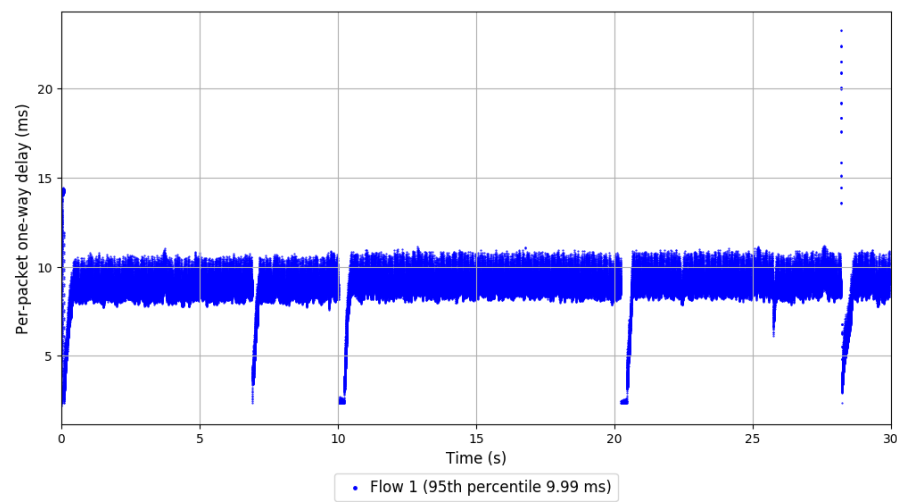
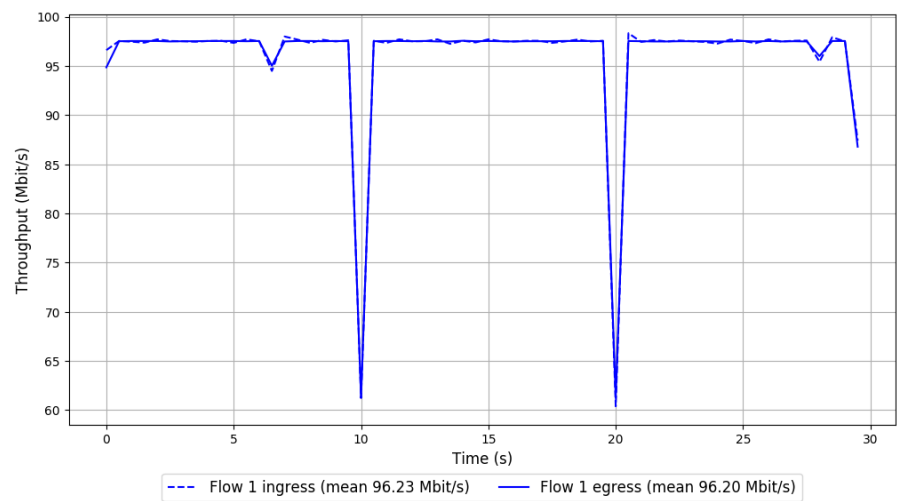
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 9.992 ms

Loss rate: 0.04%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-25 21:40:11

End at: 2018-01-25 21:40:41

Local clock offset: 0.478 ms

Remote clock offset: 1.025 ms

Below is generated by plot.py at 2018-01-26 09:48:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 10.089 ms

Loss rate: 0.04%

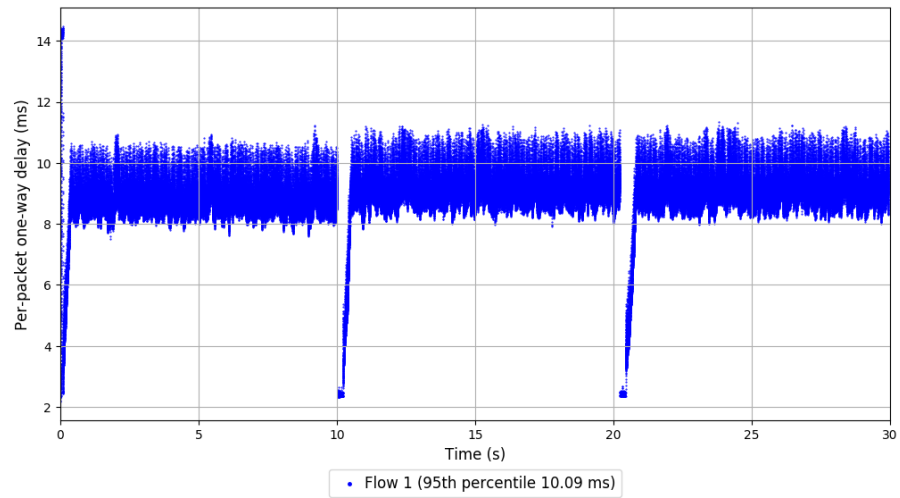
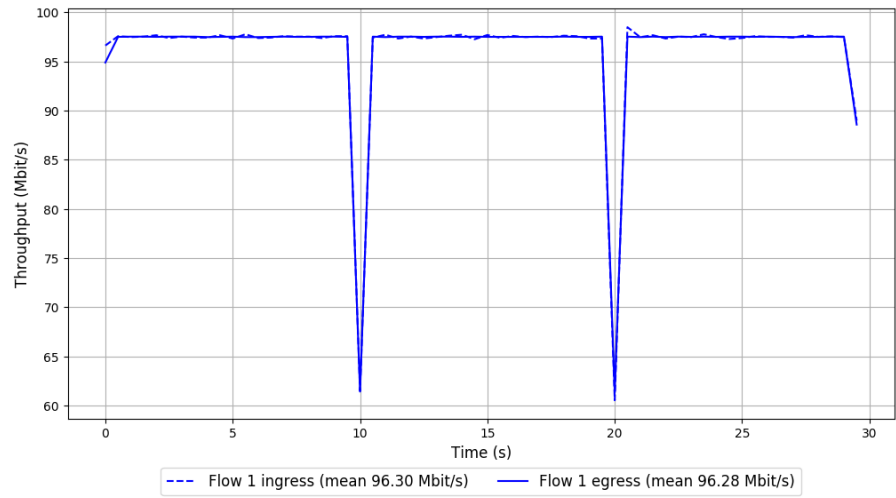
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 10.089 ms

Loss rate: 0.04%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-25 21:58:10

End at: 2018-01-25 21:58:40

Local clock offset: 0.419 ms

Remote clock offset: 0.991 ms

Below is generated by plot.py at 2018-01-26 09:48:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 10.152 ms

Loss rate: 0.04%

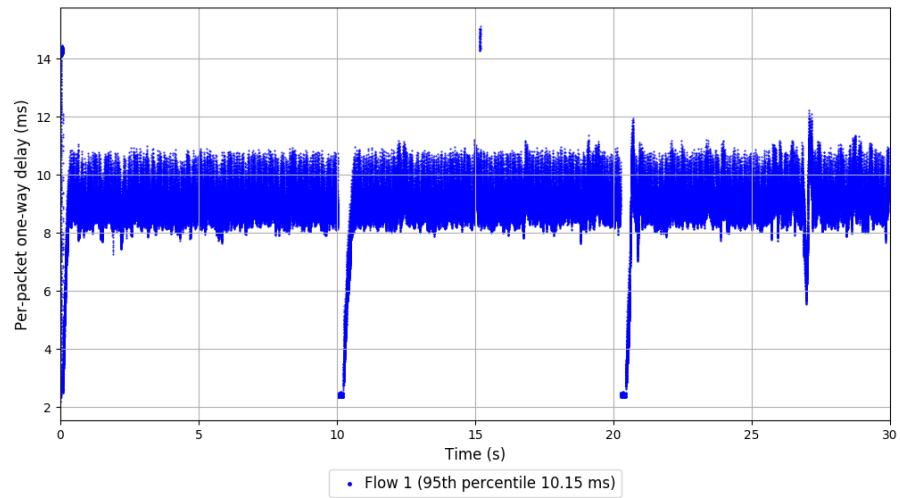
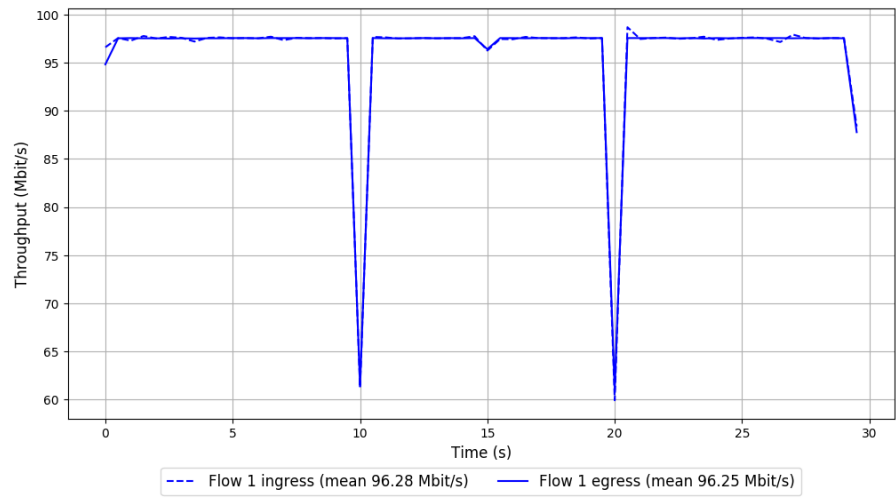
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 10.152 ms

Loss rate: 0.04%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-25 22:16:14

End at: 2018-01-25 22:16:44

Local clock offset: 0.218 ms

Remote clock offset: 0.683 ms

Below is generated by plot.py at 2018-01-26 09:48:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.793 ms

Loss rate: 0.04%

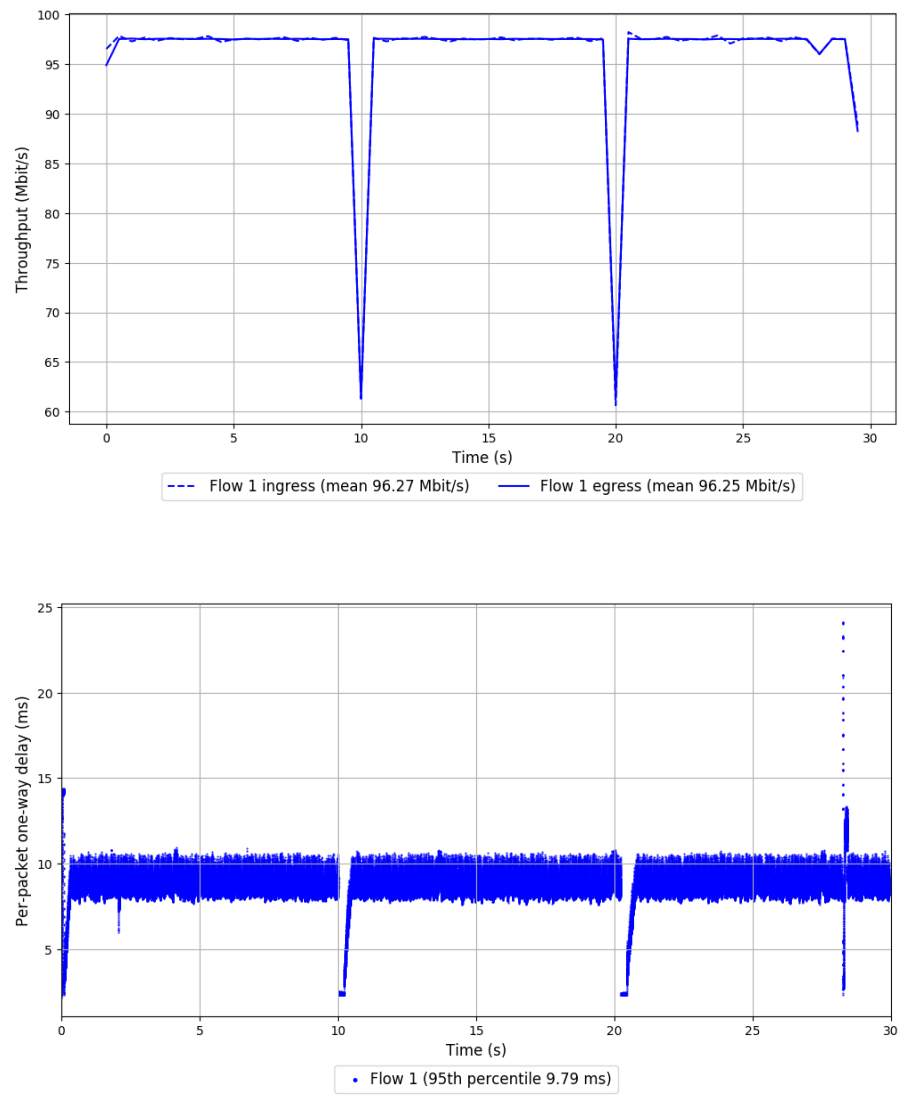
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.793 ms

Loss rate: 0.04%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-25 22:34:19

End at: 2018-01-25 22:34:49

Local clock offset: 0.146 ms

Remote clock offset: 0.458 ms

Below is generated by plot.py at 2018-01-26 09:48:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 10.212 ms

Loss rate: 0.04%

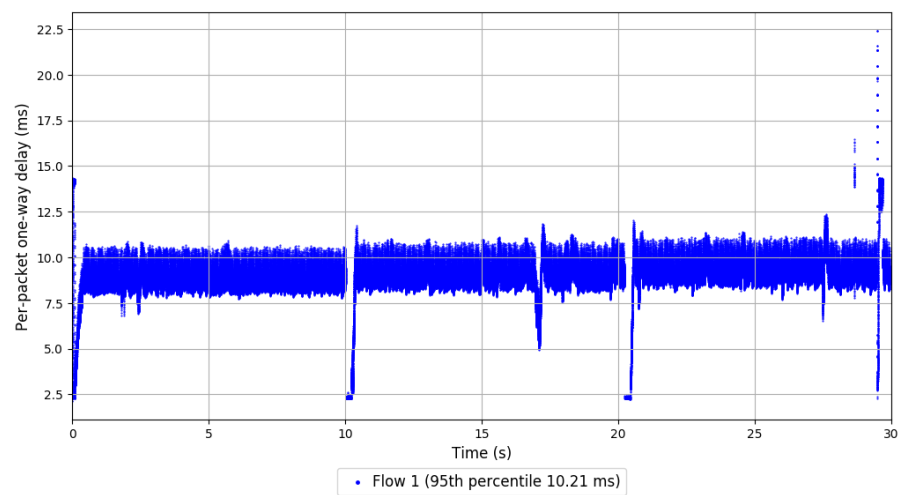
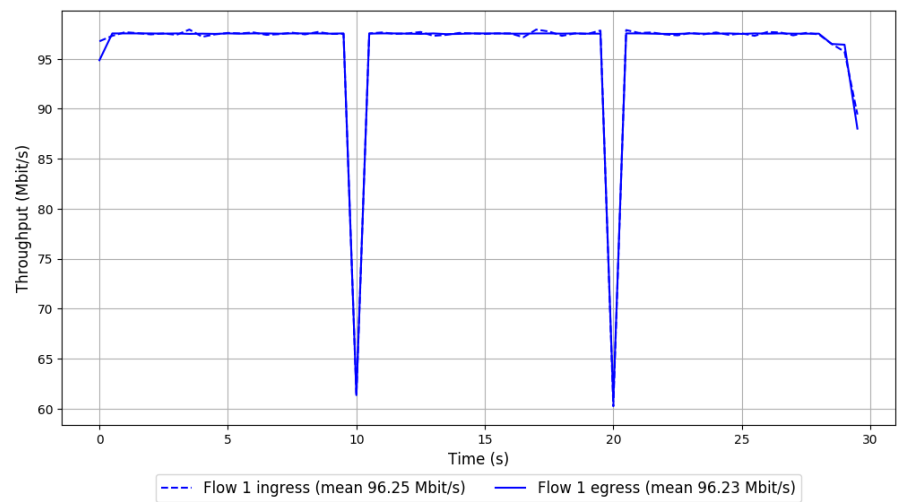
-- Flow 1:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 10.212 ms

Loss rate: 0.04%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-25 22:52:25

End at: 2018-01-25 22:52:55

Local clock offset: 0.12 ms

Remote clock offset: 0.256 ms

Below is generated by plot.py at 2018-01-26 09:48:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.55 Mbit/s

95th percentile per-packet one-way delay: 14.378 ms

Loss rate: 0.06%

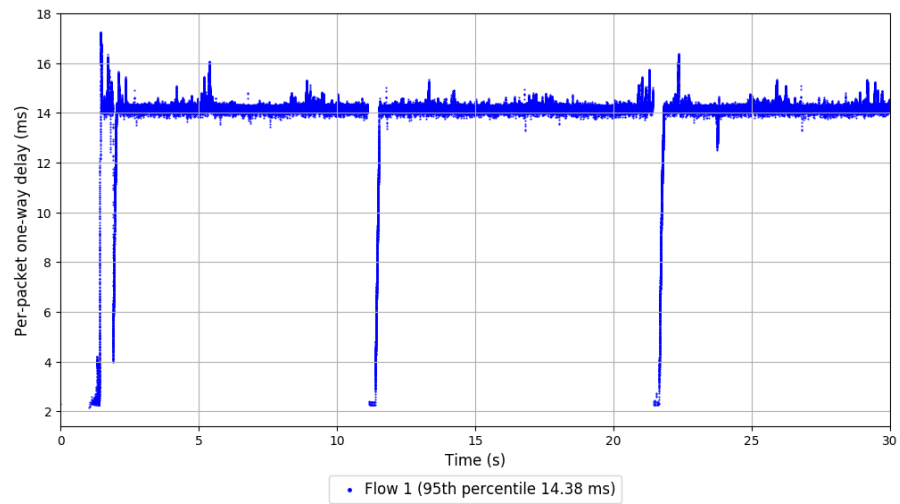
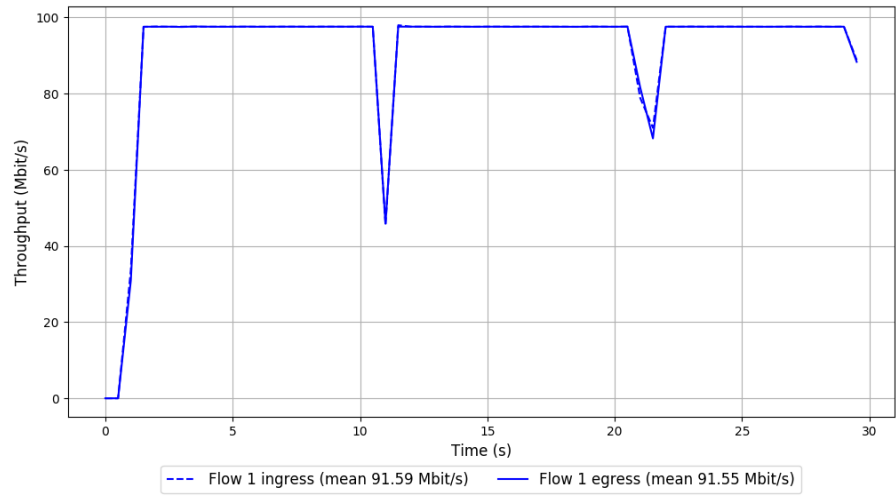
-- Flow 1:

Average throughput: 91.55 Mbit/s

95th percentile per-packet one-way delay: 14.378 ms

Loss rate: 0.06%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-25 23:10:24

End at: 2018-01-25 23:10:54

Local clock offset: 0.131 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-01-26 09:49:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 10.453 ms

Loss rate: 0.02%

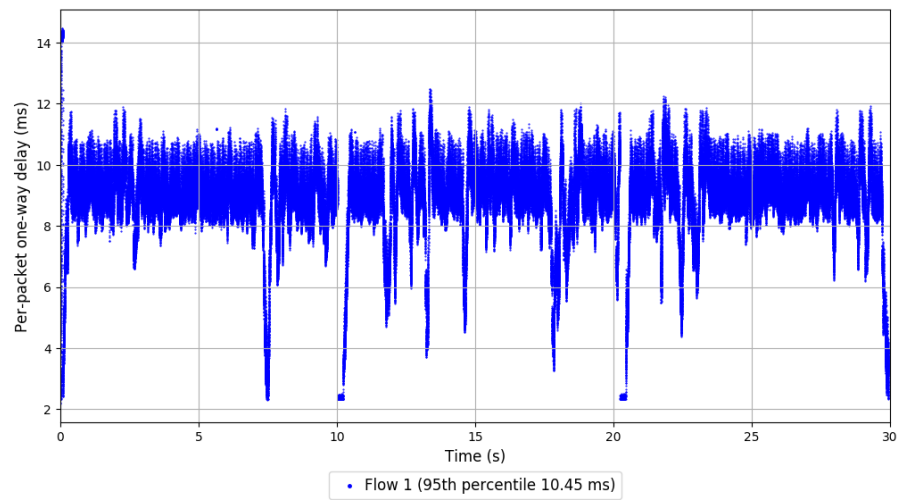
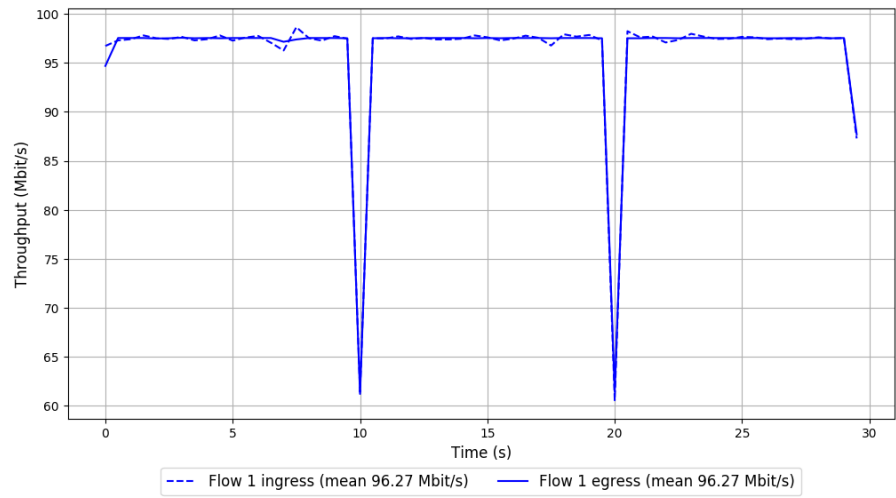
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 10.453 ms

Loss rate: 0.02%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-25 23:28:28

End at: 2018-01-25 23:28:58

Local clock offset: 0.013 ms

Remote clock offset: -14.73 ms

Below is generated by plot.py at 2018-01-26 09:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 24.668 ms

Loss rate: 0.04%

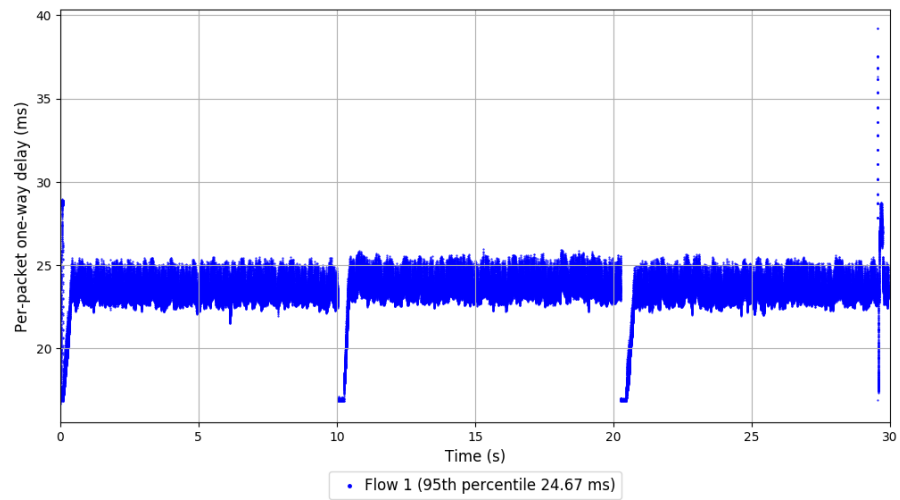
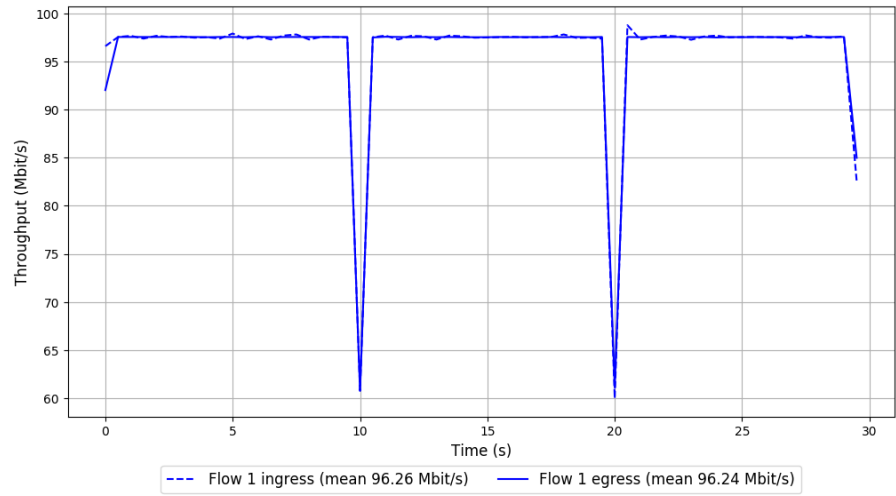
-- Flow 1:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 24.668 ms

Loss rate: 0.04%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-25 20:40:33

End at: 2018-01-25 20:41:03

Local clock offset: 0.895 ms

Remote clock offset: 0.858 ms

Below is generated by plot.py at 2018-01-26 09:49:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.348 ms

Loss rate: 0.06%

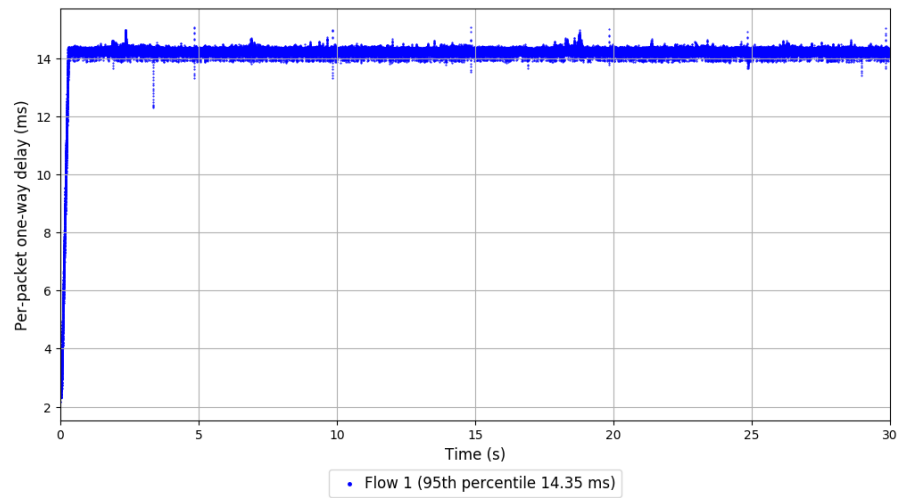
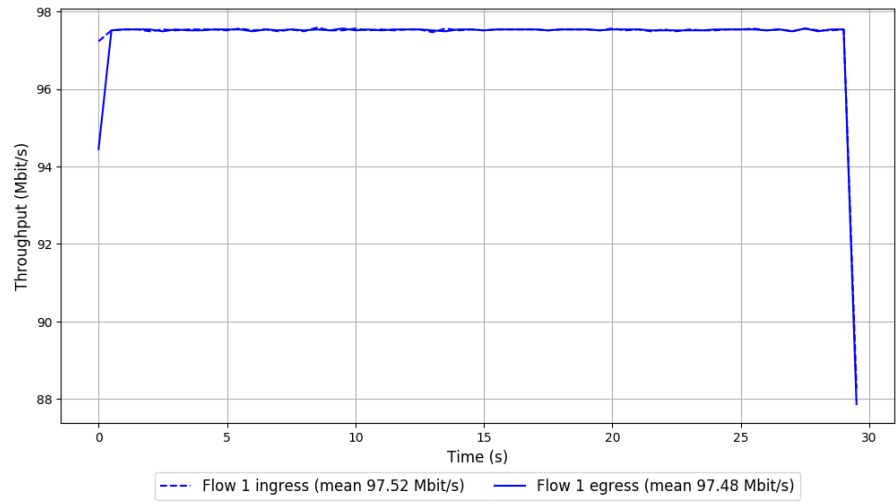
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.348 ms

Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-25 20:58:38

End at: 2018-01-25 20:59:08

Local clock offset: 0.917 ms

Remote clock offset: 0.79 ms

Below is generated by plot.py at 2018-01-26 09:49:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.513 ms

Loss rate: 0.06%

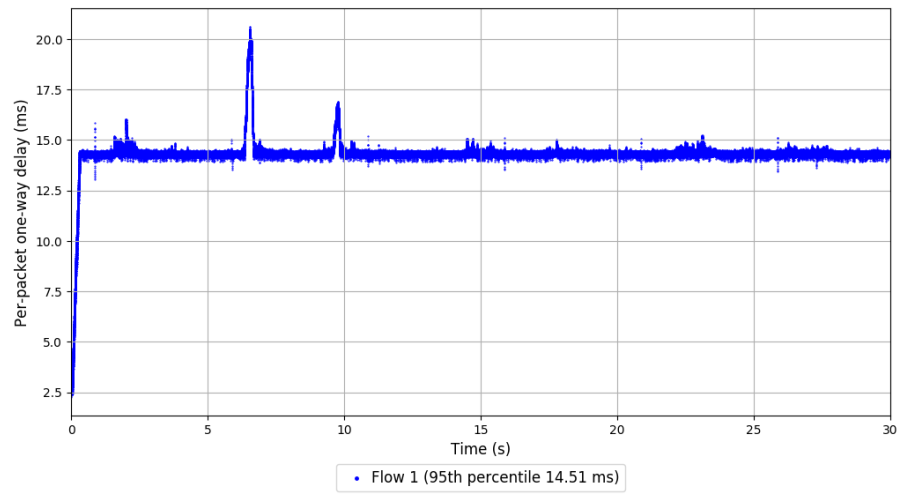
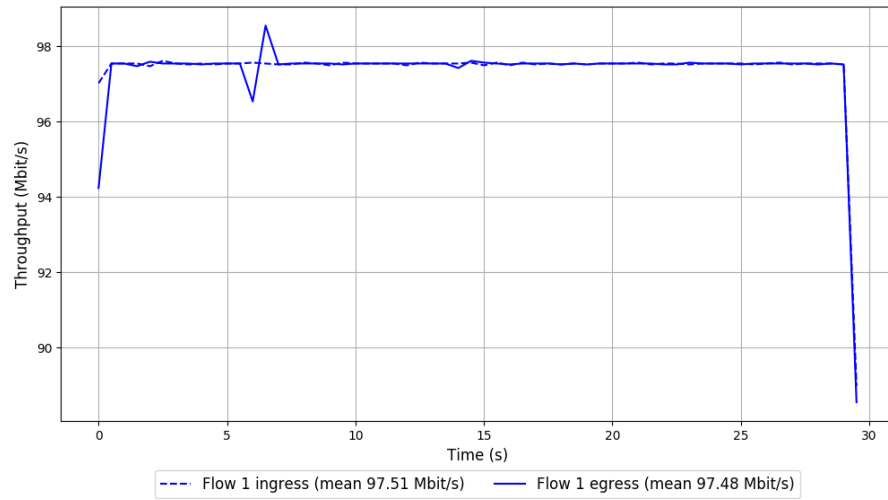
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.513 ms

Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-25 21:16:37

End at: 2018-01-25 21:17:07

Local clock offset: 0.558 ms

Remote clock offset: 0.877 ms

Below is generated by plot.py at 2018-01-26 09:49:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.350 ms

Loss rate: 0.06%

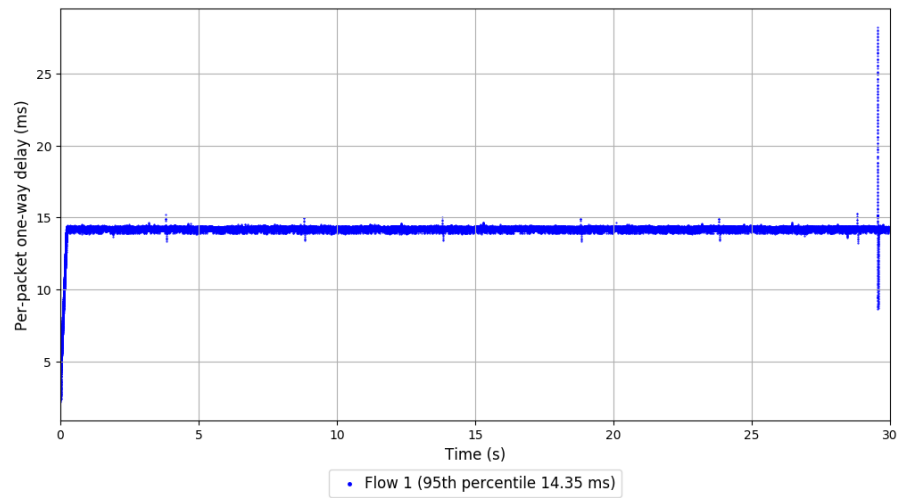
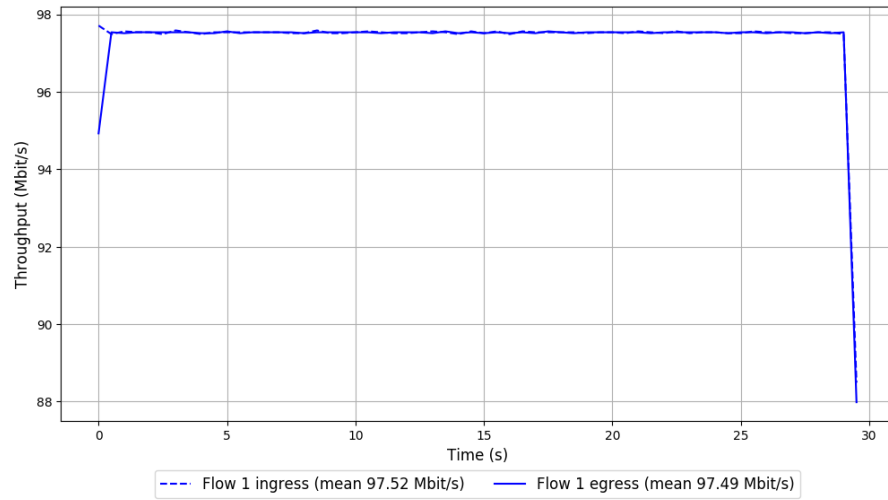
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.350 ms

Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-25 21:34:41

End at: 2018-01-25 21:35:11

Local clock offset: 0.535 ms

Remote clock offset: 1.034 ms

Below is generated by plot.py at 2018-01-26 09:49:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 14.375 ms

Loss rate: 0.06%

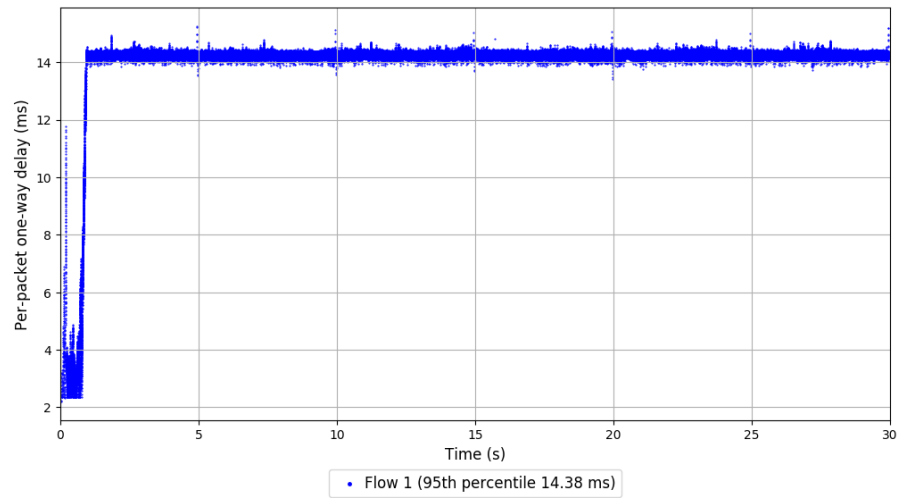
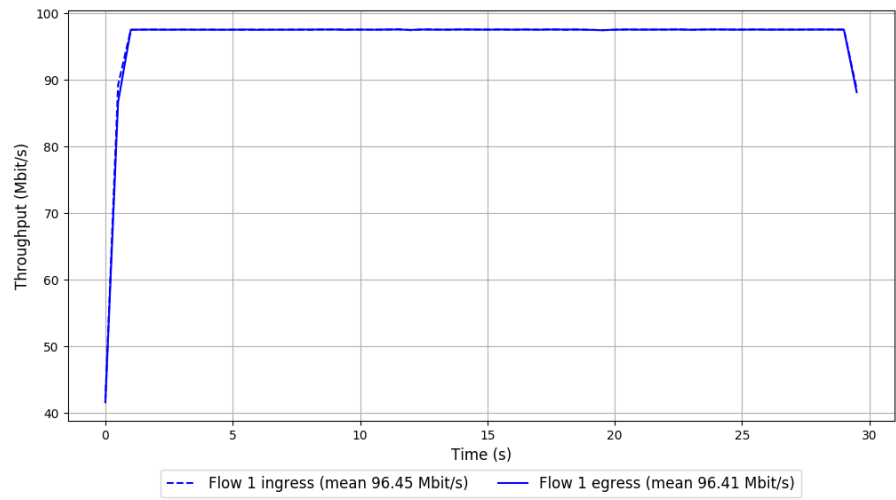
-- Flow 1:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 14.375 ms

Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

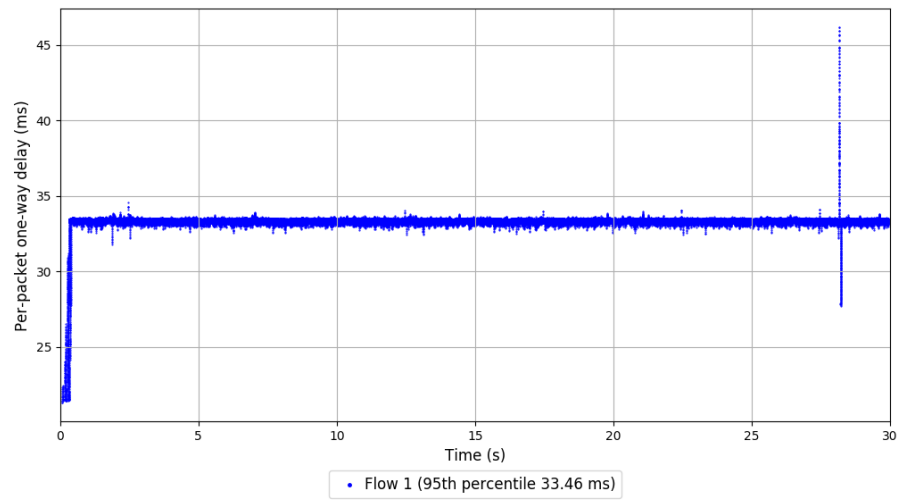
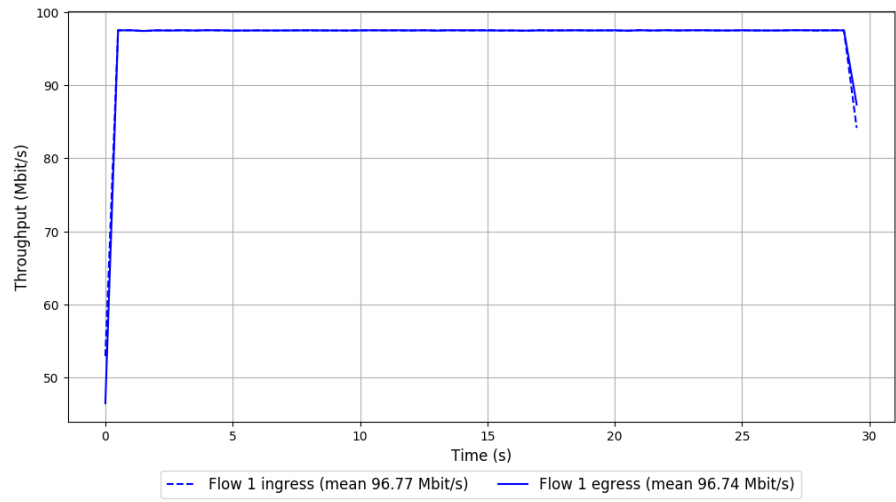


Run 5: Statistics of TCP Cubic

Start at: 2018-01-25 21:52:40
End at: 2018-01-25 21:53:10
Local clock offset: 0.432 ms
Remote clock offset: -18.119 ms

Below is generated by plot.py at 2018-01-26 09:49:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 33.460 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 33.460 ms
Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-25 22:10:45

End at: 2018-01-25 22:11:15

Local clock offset: 0.31 ms

Remote clock offset: 0.869 ms

Below is generated by plot.py at 2018-01-26 09:49:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 14.330 ms

Loss rate: 0.06%

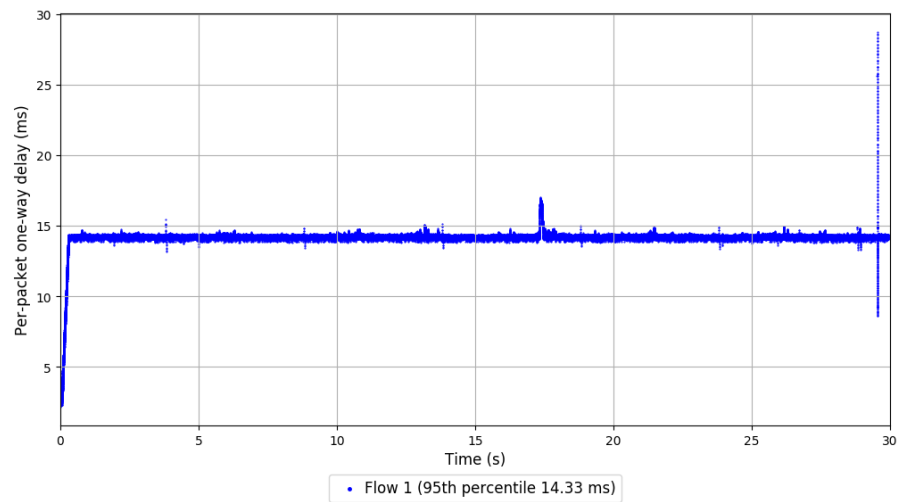
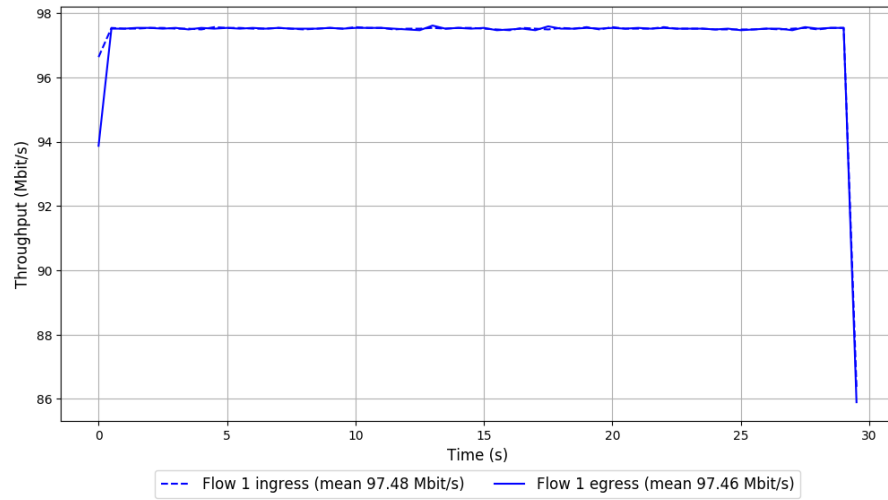
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 14.330 ms

Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-25 22:28:50

End at: 2018-01-25 22:29:20

Local clock offset: 0.239 ms

Remote clock offset: 0.495 ms

Below is generated by plot.py at 2018-01-26 09:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 15.652 ms

Loss rate: 0.06%

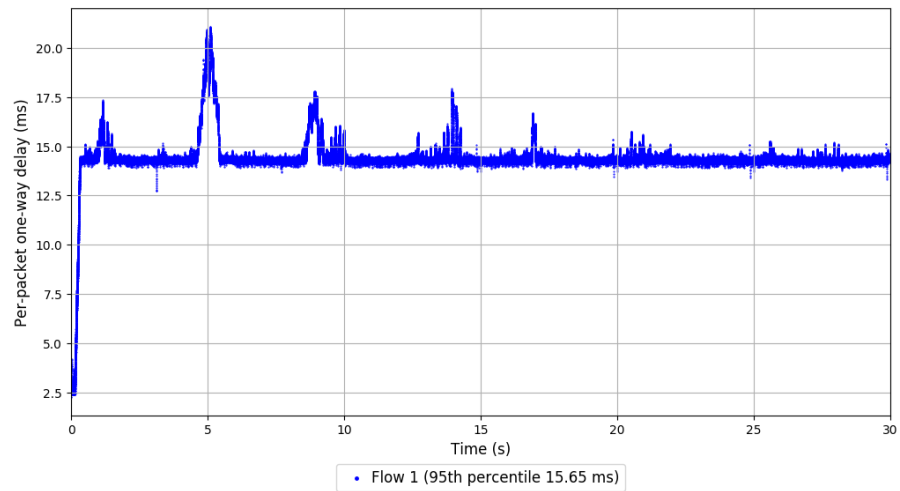
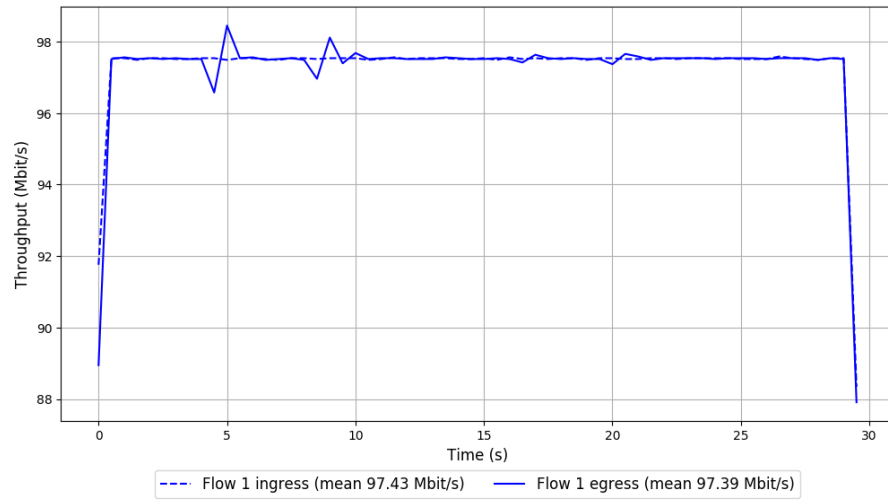
-- Flow 1:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 15.652 ms

Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-25 22:46:56

End at: 2018-01-25 22:47:26

Local clock offset: 0.18 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-01-26 09:51:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 14.319 ms

Loss rate: 0.06%

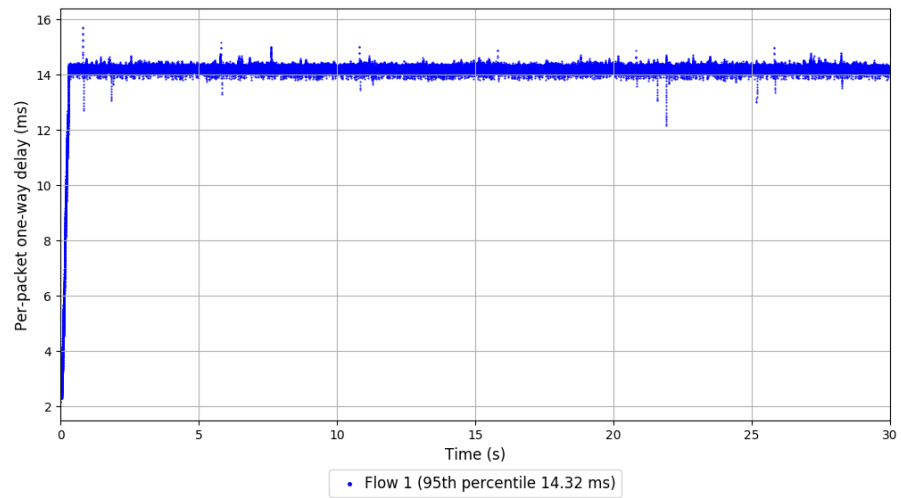
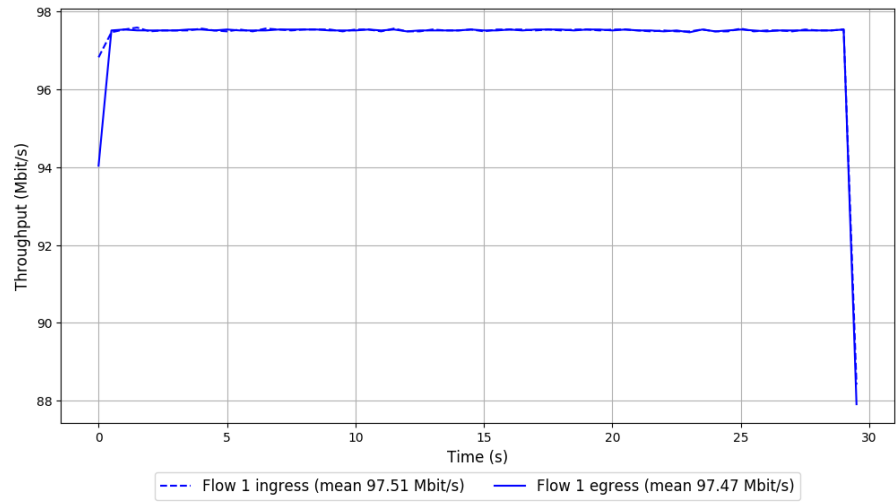
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 14.319 ms

Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-25 23:04:55

End at: 2018-01-25 23:05:25

Local clock offset: 0.14 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-01-26 09:51:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.74 Mbit/s

95th percentile per-packet one-way delay: 14.362 ms

Loss rate: 0.06%

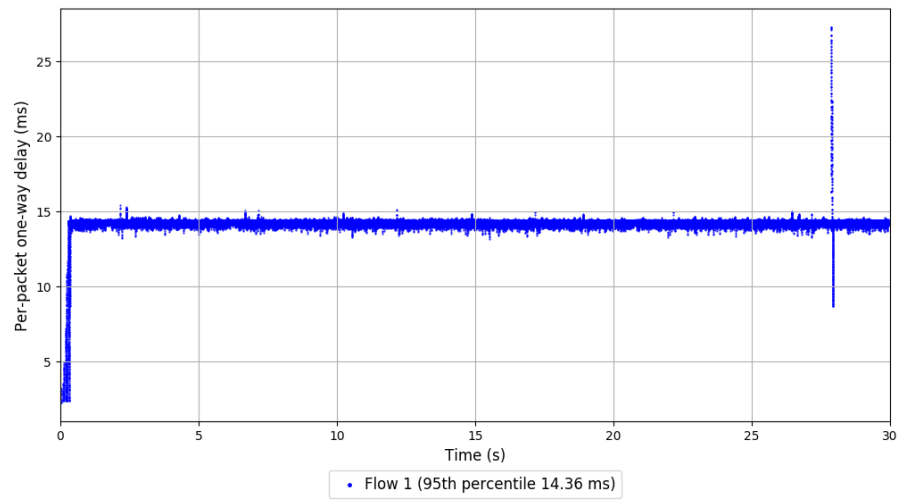
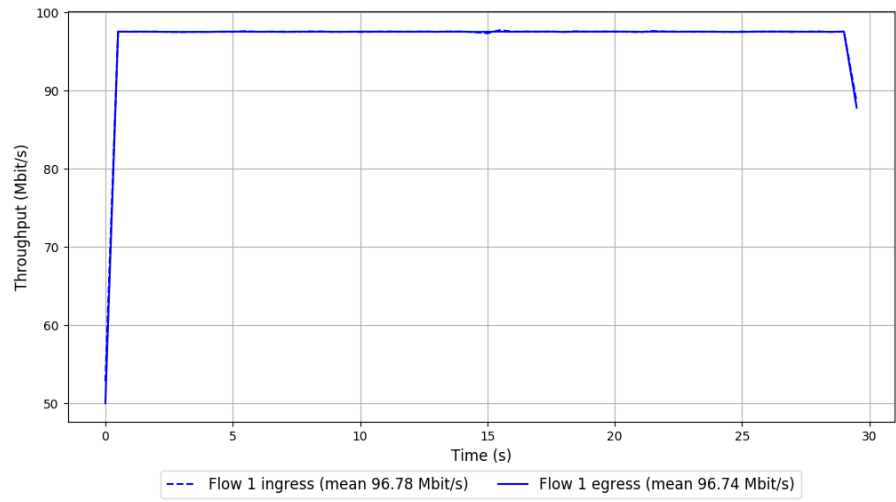
-- Flow 1:

Average throughput: 96.74 Mbit/s

95th percentile per-packet one-way delay: 14.362 ms

Loss rate: 0.06%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-25 23:22:59

End at: 2018-01-25 23:23:29

Local clock offset: 0.041 ms

Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-01-26 09:51:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.336 ms

Loss rate: 0.06%

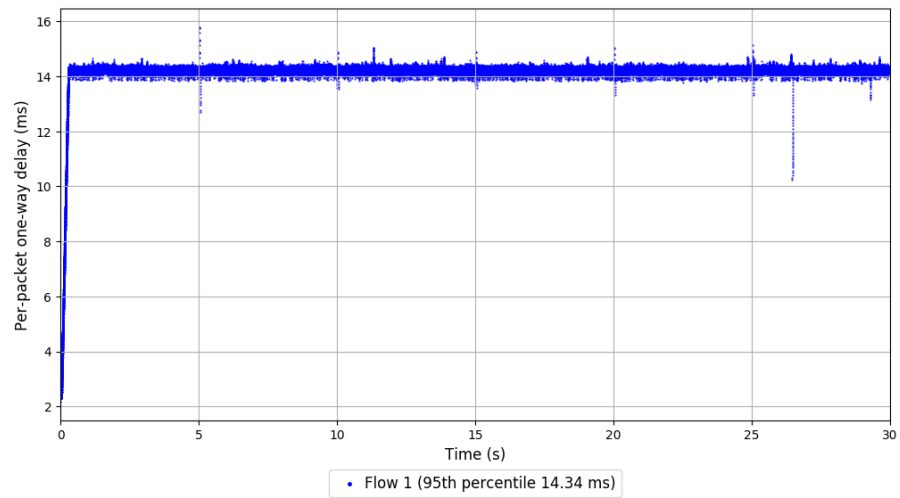
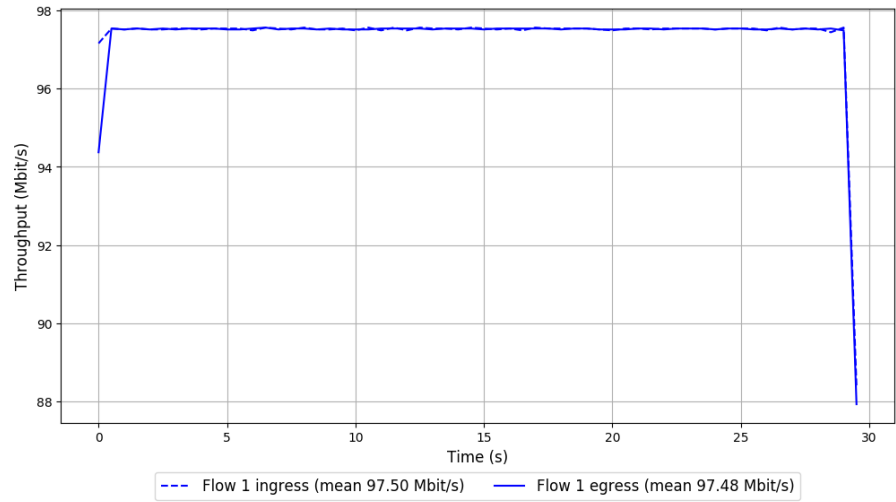
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.336 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

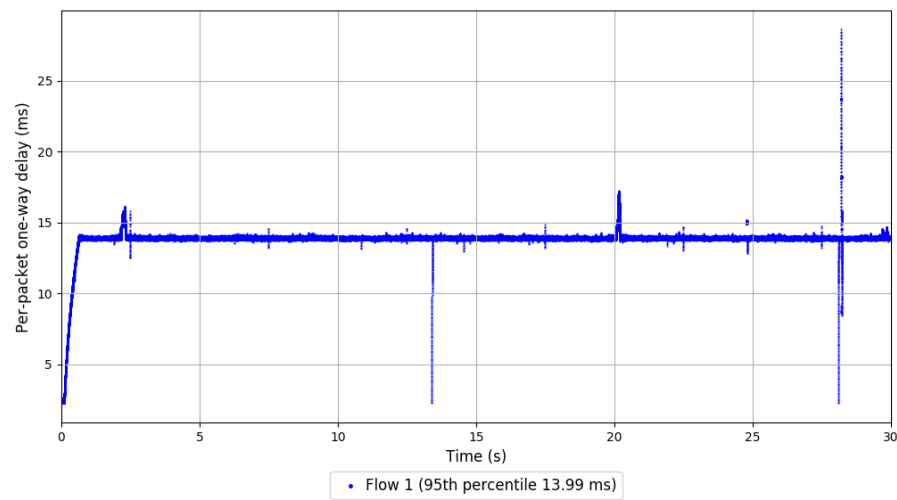
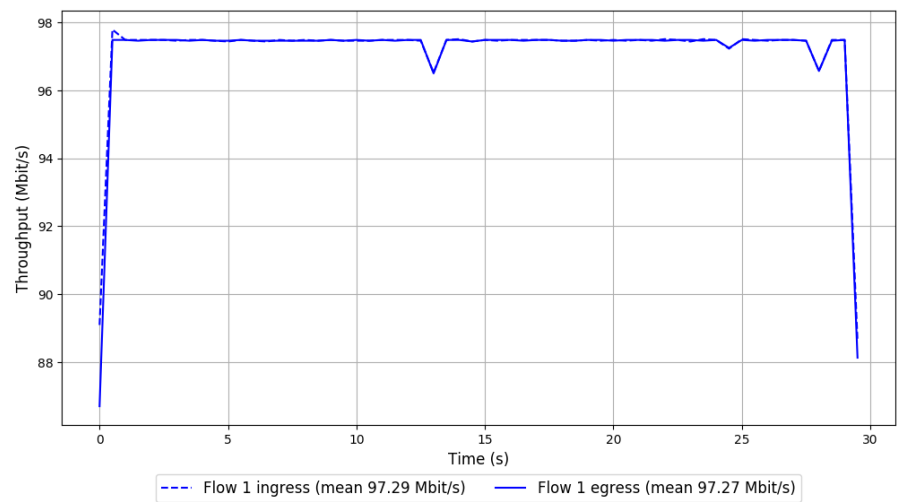


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-25 20:34:47
End at: 2018-01-25 20:35:17
Local clock offset: 0.771 ms
Remote clock offset: 0.891 ms

# Below is generated by plot.py at 2018-01-26 09:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 13.994 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 13.994 ms
Loss rate: 0.06%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-01-25 20:52:51

End at: 2018-01-25 20:53:21

Local clock offset: 0.988 ms

Remote clock offset: 0.835 ms

Below is generated by plot.py at 2018-01-26 09:51:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.065 ms

Loss rate: 0.06%

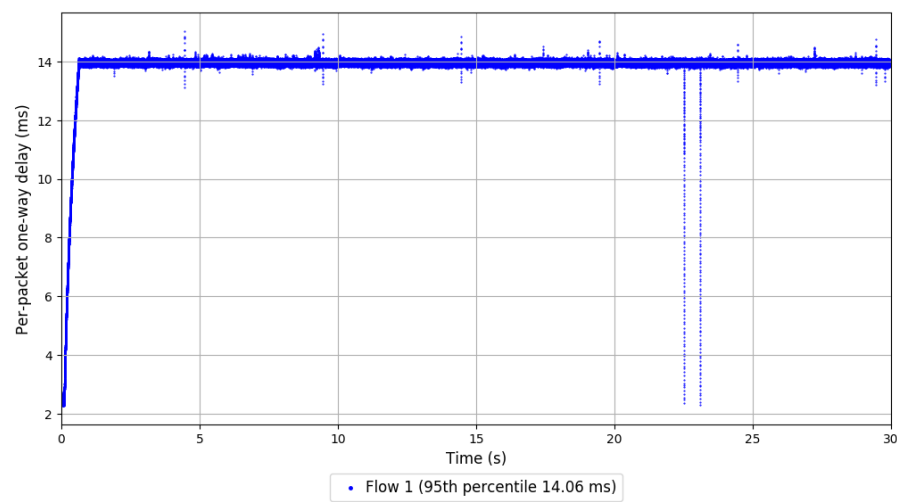
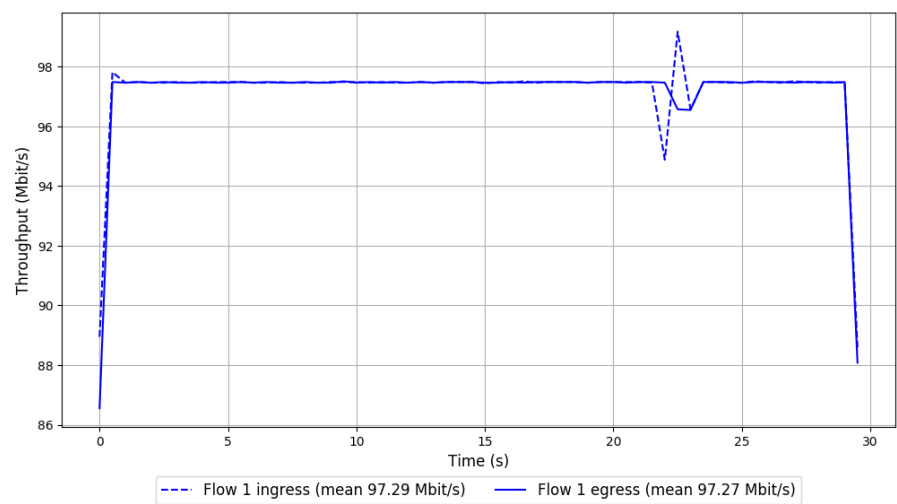
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.065 ms

Loss rate: 0.06%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-25 21:10:52

End at: 2018-01-25 21:11:22

Local clock offset: 0.67 ms

Remote clock offset: 0.91 ms

Below is generated by plot.py at 2018-01-26 09:51:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.106 ms

Loss rate: 0.05%

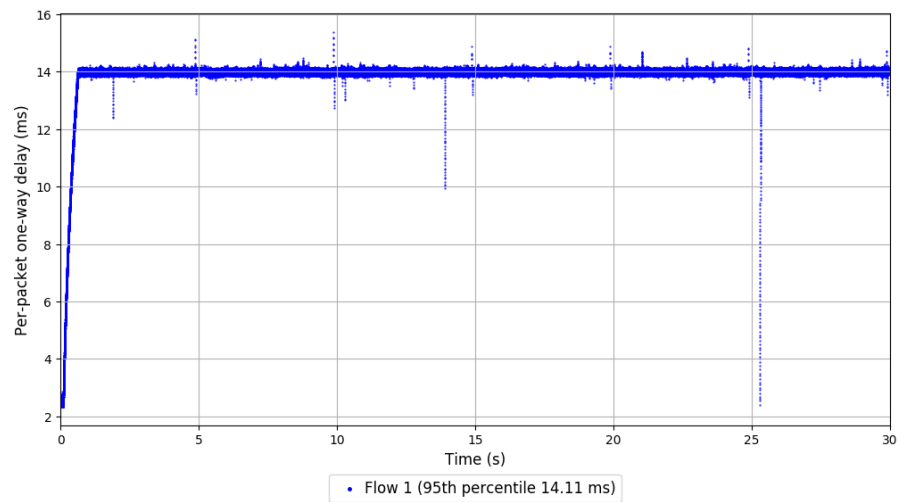
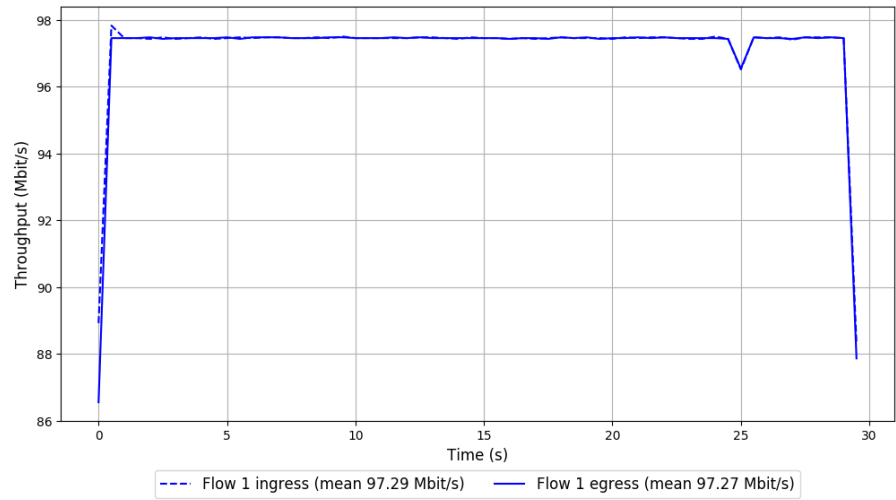
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.106 ms

Loss rate: 0.05%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-25 21:28:57

End at: 2018-01-25 21:29:27

Local clock offset: 0.564 ms

Remote clock offset: 0.979 ms

Below is generated by plot.py at 2018-01-26 09:51:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.167 ms

Loss rate: 0.05%

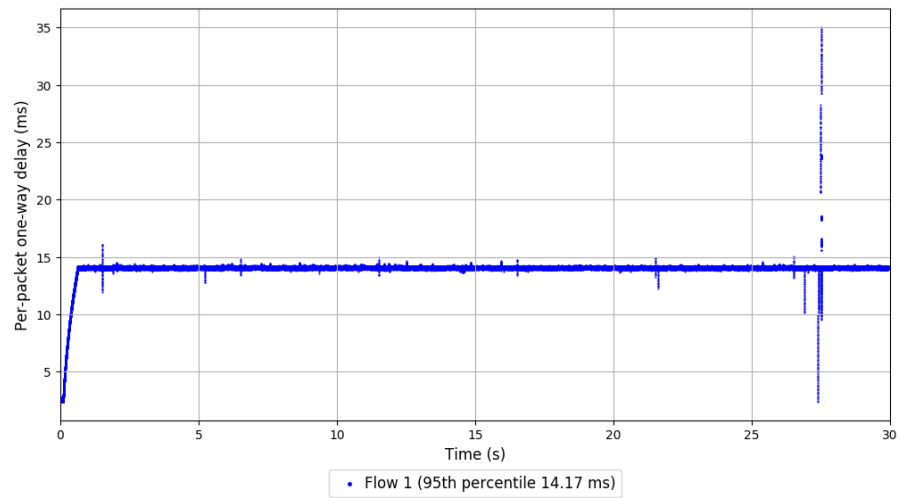
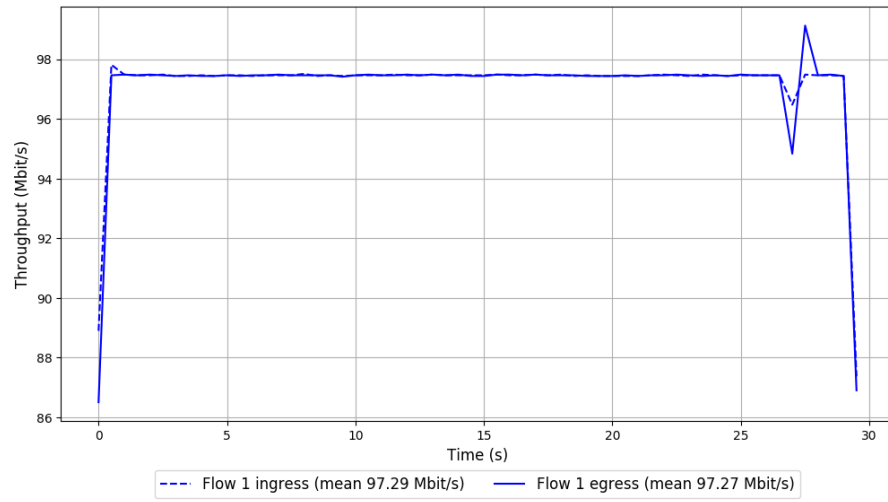
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.167 ms

Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

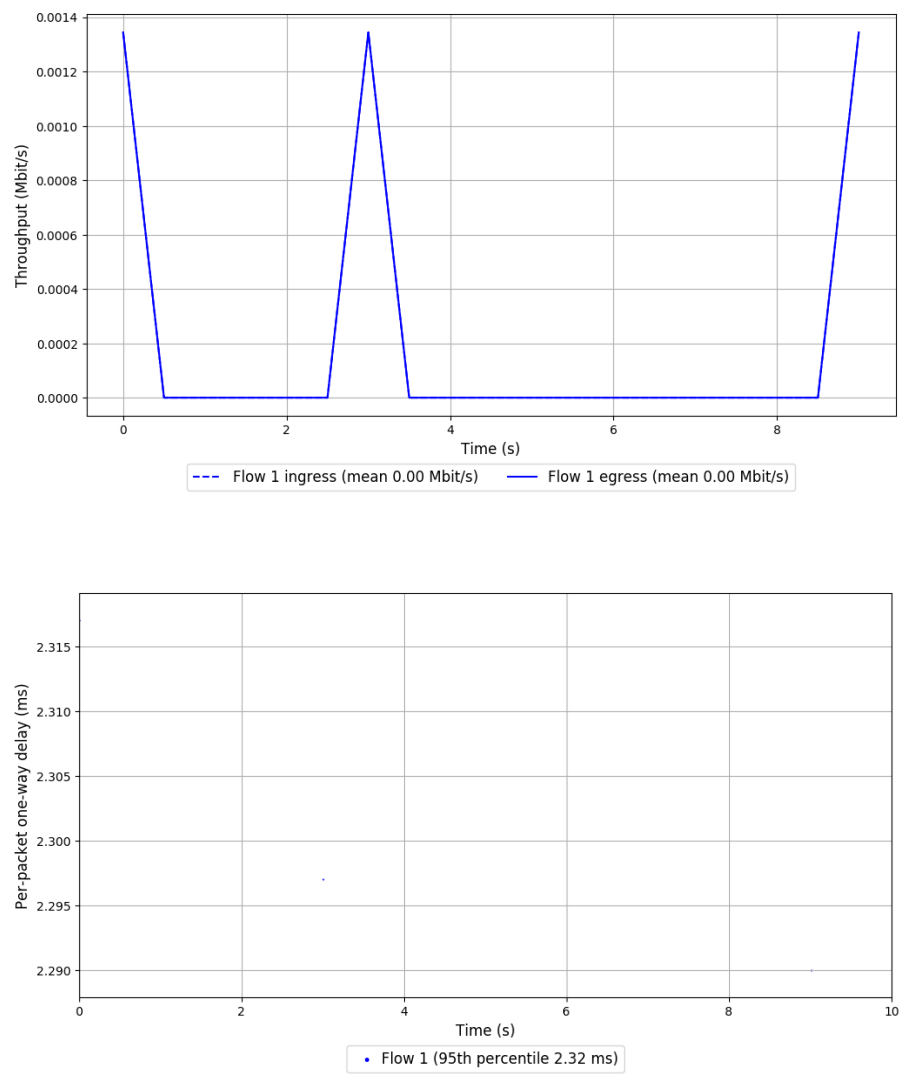
Start at: 2018-01-25 21:47:00

End at: 2018-01-25 21:47:30

Local clock offset: 0.442 ms

Remote clock offset: 1.02 ms

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-25 22:04:59

End at: 2018-01-25 22:05:29

Local clock offset: 0.373 ms

Remote clock offset: 0.998 ms

Below is generated by plot.py at 2018-01-26 09:52:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.050 ms

Loss rate: 0.06%

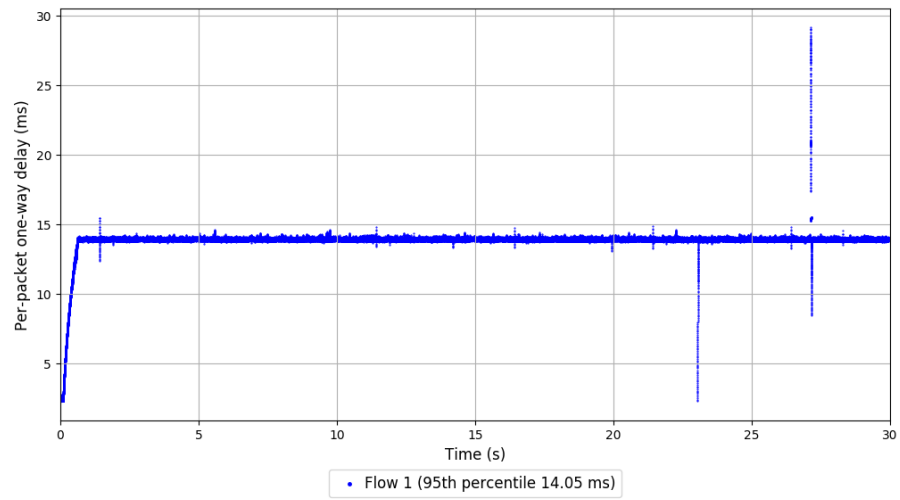
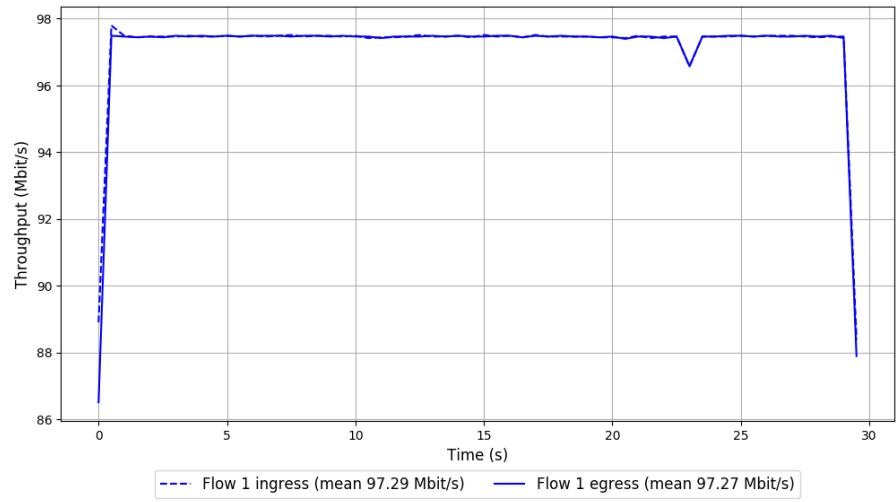
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.050 ms

Loss rate: 0.06%

Run 6: Report of LEDBAT — Data Link

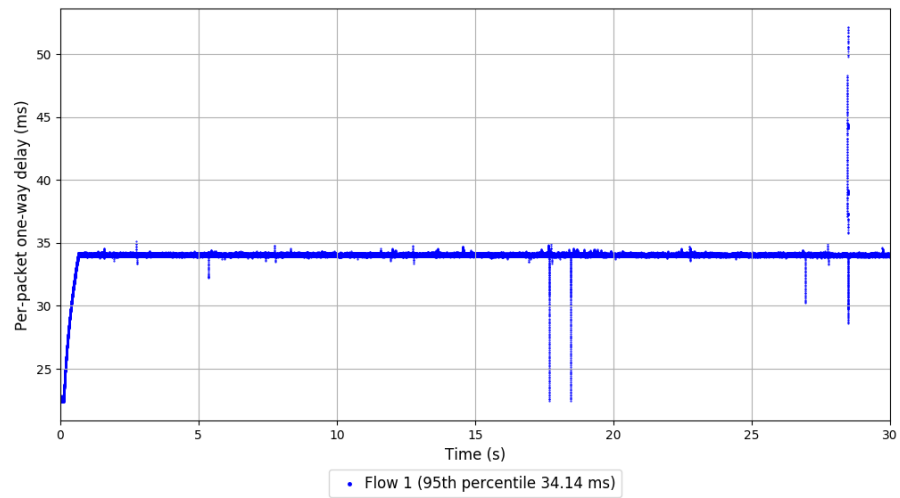
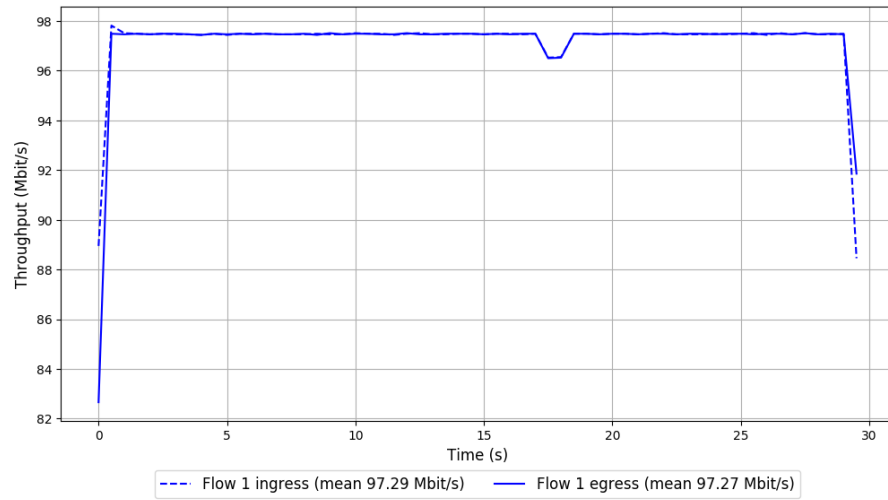


Run 7: Statistics of LEDBAT

Start at: 2018-01-25 22:23:04
End at: 2018-01-25 22:23:34
Local clock offset: 0.271 ms
Remote clock offset: -19.396 ms

Below is generated by plot.py at 2018-01-26 09:52:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 34.144 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 34.144 ms
Loss rate: 0.06%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-25 22:41:09

End at: 2018-01-25 22:41:39

Local clock offset: 0.185 ms

Remote clock offset: 0.351 ms

Below is generated by plot.py at 2018-01-26 09:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 14.097 ms

Loss rate: 0.06%

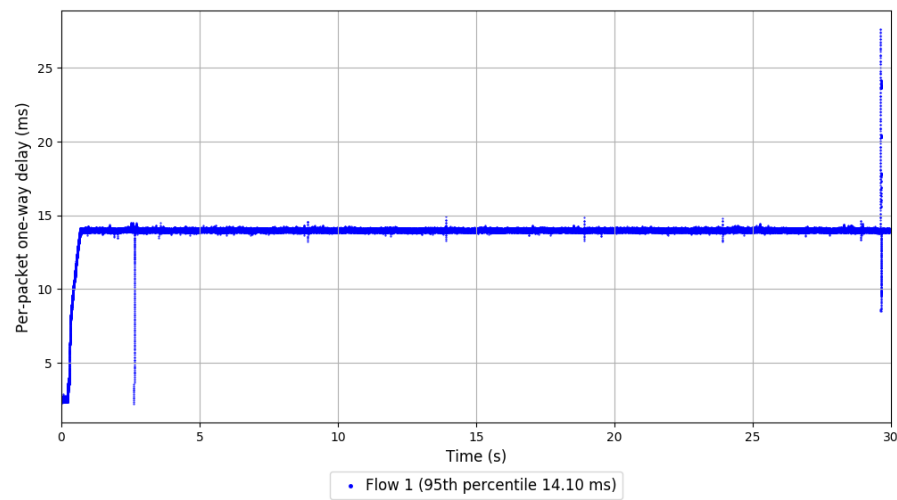
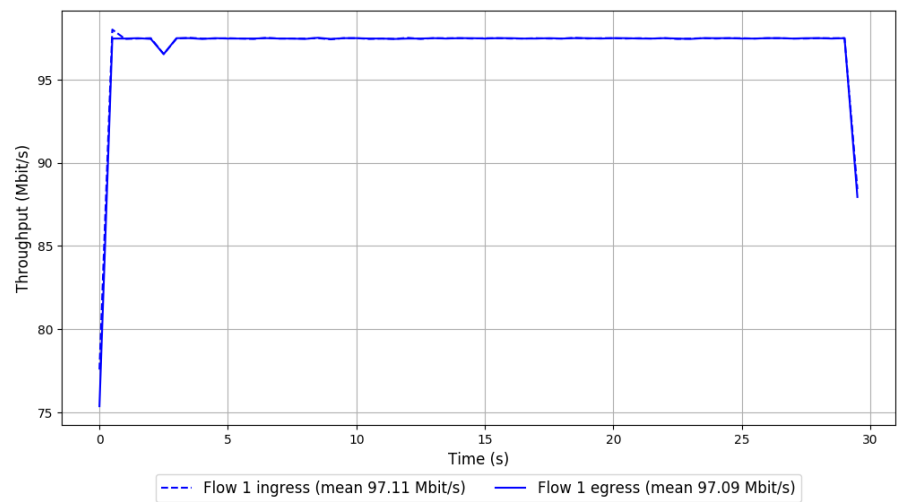
-- Flow 1:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 14.097 ms

Loss rate: 0.06%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-25 22:59:09

End at: 2018-01-25 22:59:39

Local clock offset: 0.153 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-01-26 09:52:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.149 ms

Loss rate: 0.06%

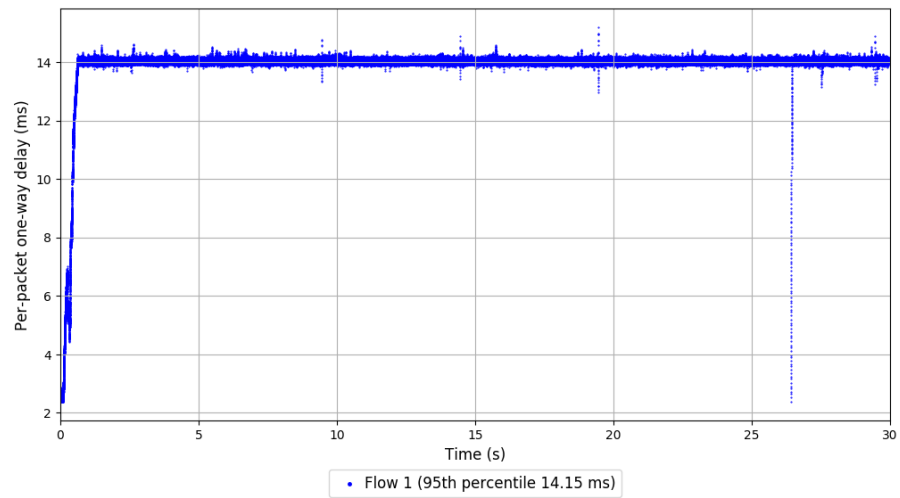
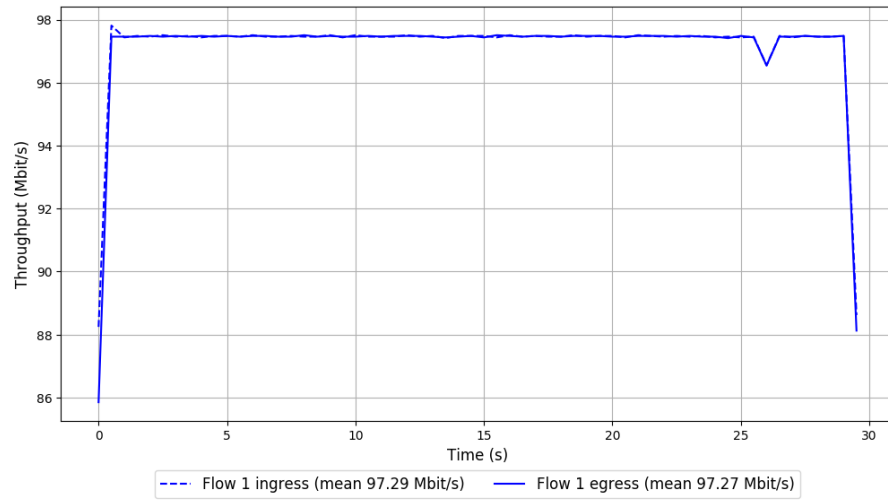
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.149 ms

Loss rate: 0.06%

Run 9: Report of LEDBAT — Data Link

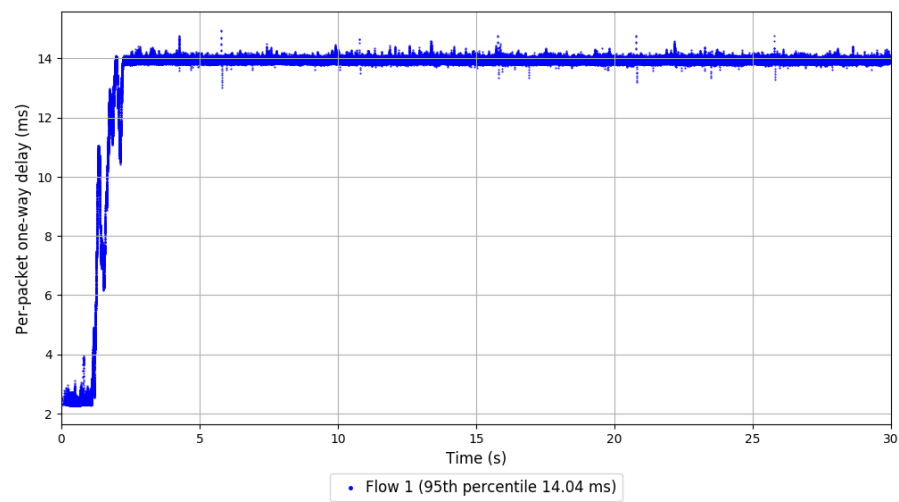
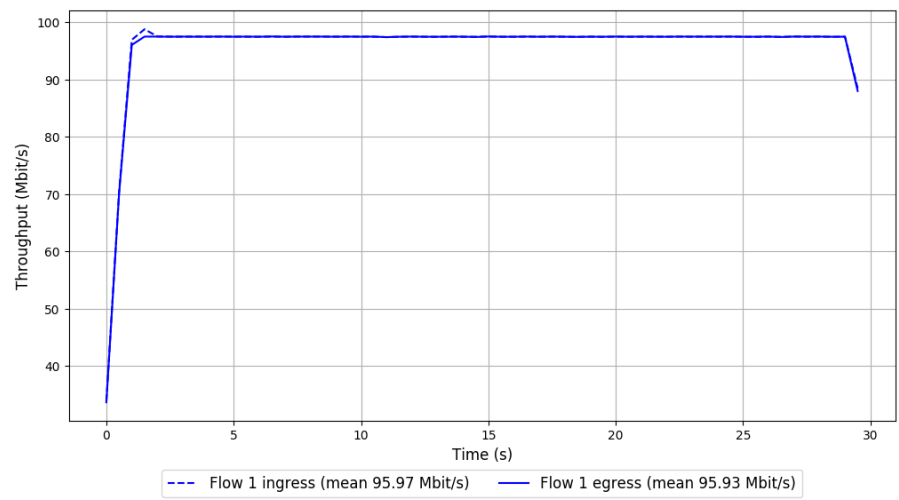


Run 10: Statistics of LEDBAT

Start at: 2018-01-25 23:17:14
End at: 2018-01-25 23:17:44
Local clock offset: 0.029 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-01-26 09:52:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 14.041 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 14.041 ms
Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-01-25 20:39:26

End at: 2018-01-25 20:39:56

Local clock offset: 0.888 ms

Remote clock offset: 0.852 ms

Below is generated by plot.py at 2018-01-26 09:52:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 3.219 ms

Loss rate: 0.02%

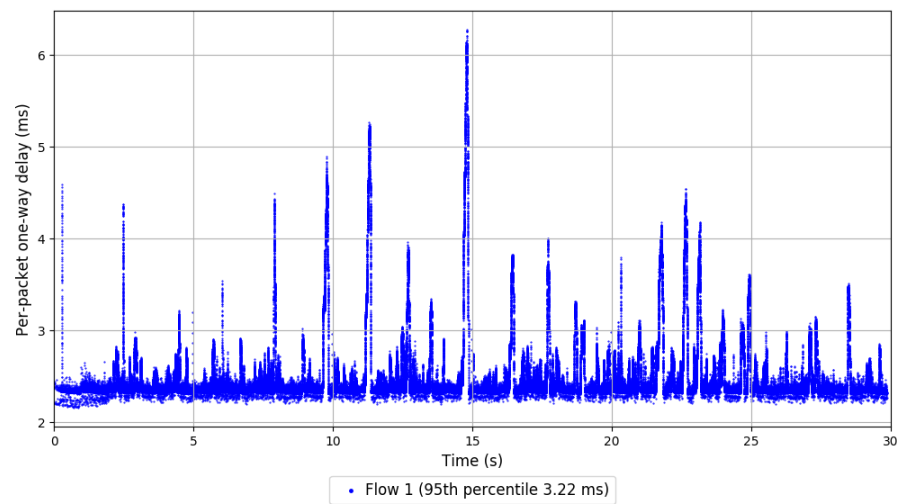
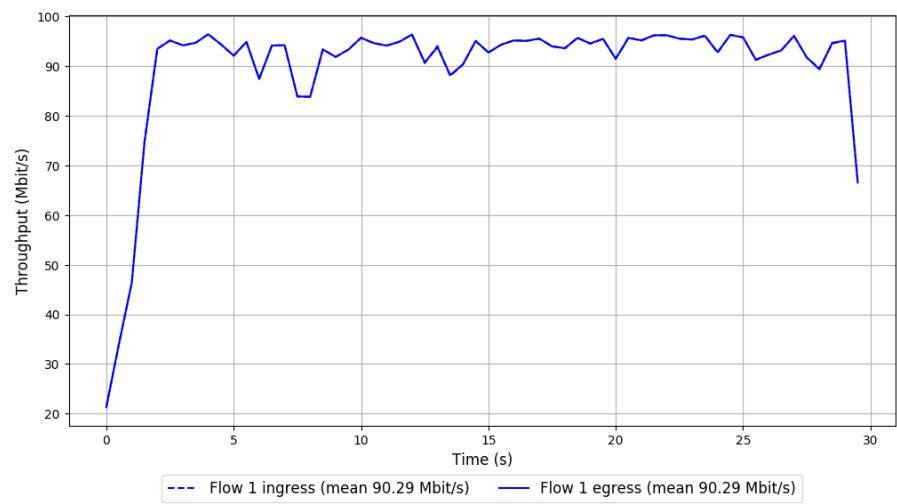
-- Flow 1:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 3.219 ms

Loss rate: 0.02%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-25 20:57:31

End at: 2018-01-25 20:58:01

Local clock offset: 0.871 ms

Remote clock offset: 0.817 ms

Below is generated by plot.py at 2018-01-26 09:52:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 2.798 ms

Loss rate: 0.02%

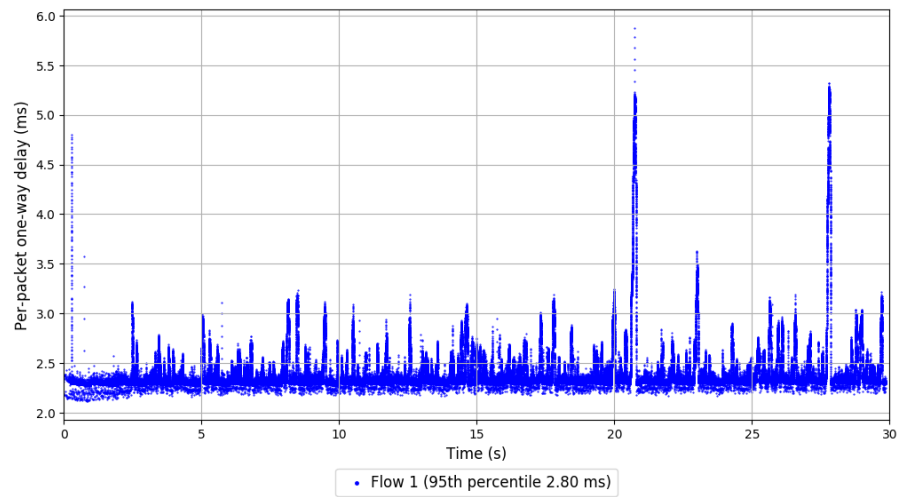
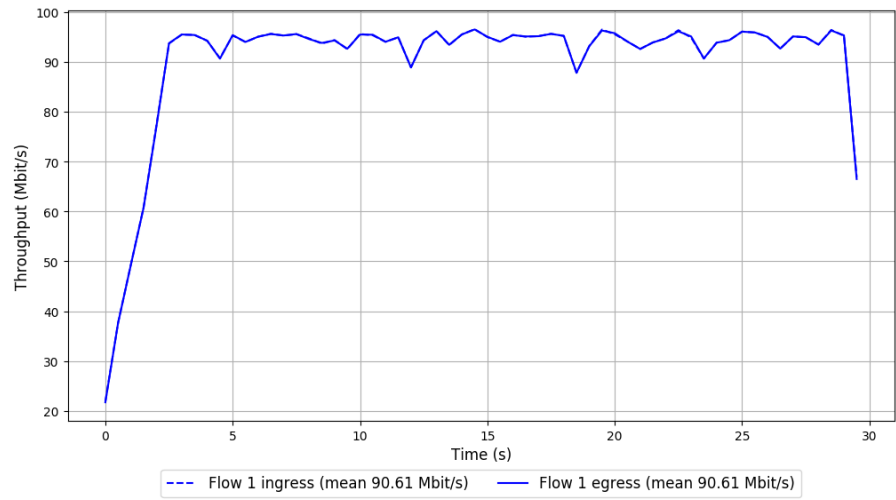
-- Flow 1:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 2.798 ms

Loss rate: 0.02%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-25 21:15:33

End at: 2018-01-25 21:16:03

Local clock offset: 0.648 ms

Remote clock offset: 0.949 ms

Below is generated by plot.py at 2018-01-26 09:52:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 2.403 ms

Loss rate: 0.02%

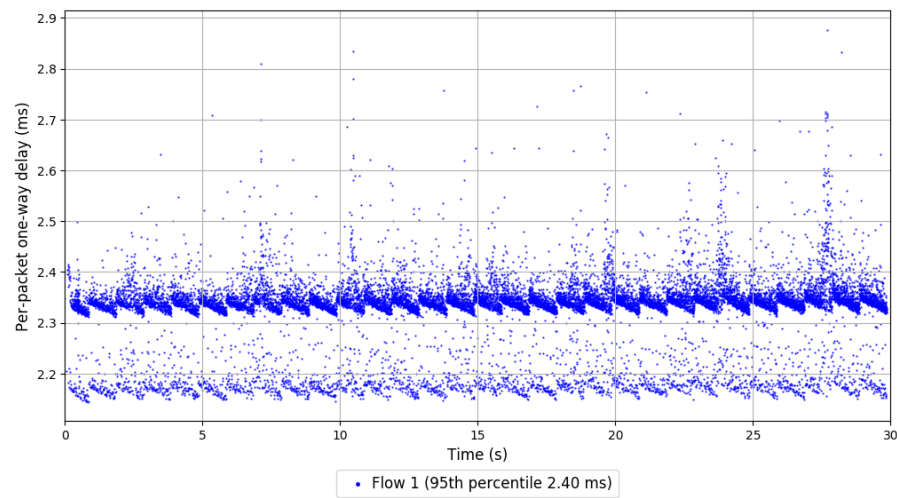
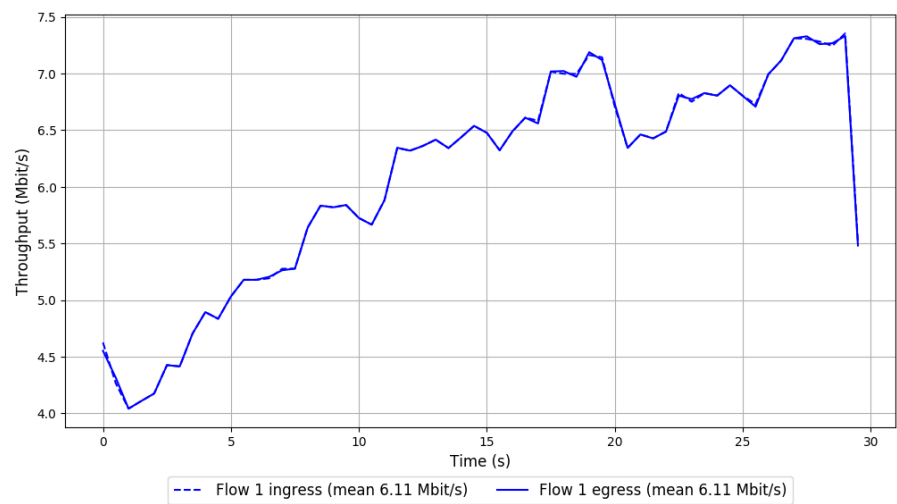
-- Flow 1:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 2.403 ms

Loss rate: 0.02%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-25 21:33:35

End at: 2018-01-25 21:34:05

Local clock offset: 0.459 ms

Remote clock offset: 1.01 ms

Below is generated by plot.py at 2018-01-26 09:52:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.18 Mbit/s

95th percentile per-packet one-way delay: 2.329 ms

Loss rate: 0.02%

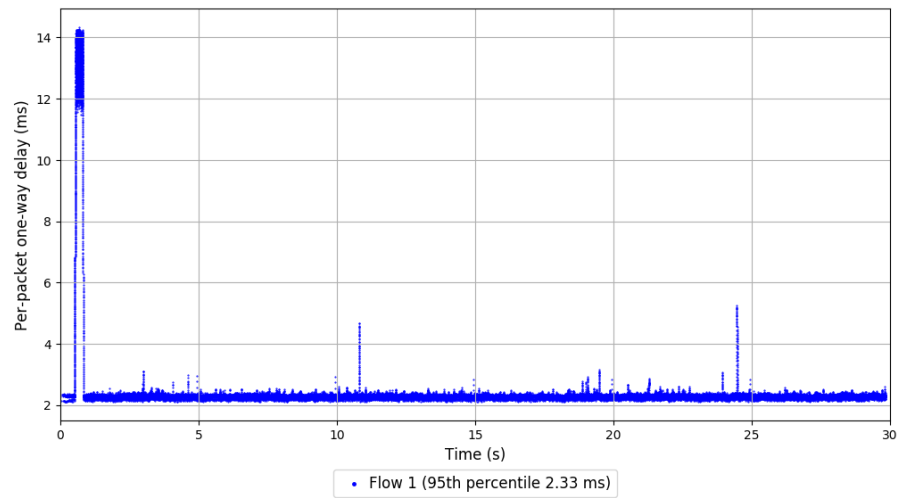
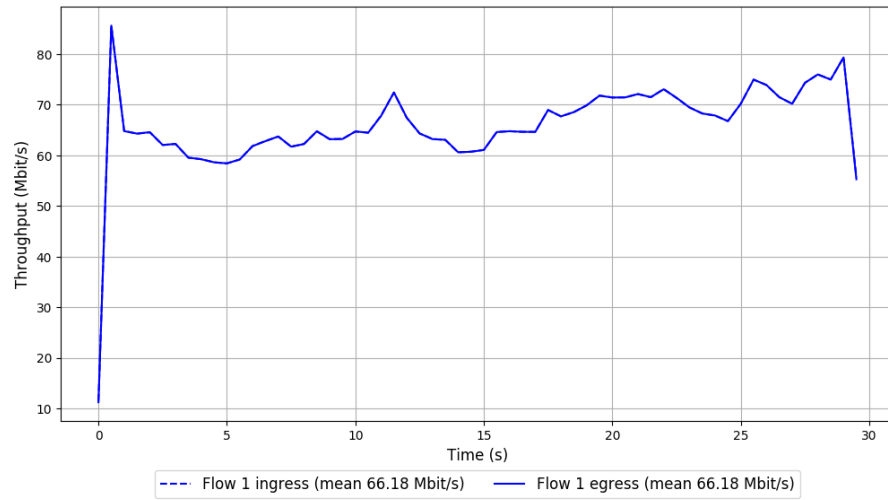
-- Flow 1:

Average throughput: 66.18 Mbit/s

95th percentile per-packet one-way delay: 2.329 ms

Loss rate: 0.02%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-25 21:51:33

End at: 2018-01-25 21:52:03

Local clock offset: 0.374 ms

Remote clock offset: 1.016 ms

Below is generated by plot.py at 2018-01-26 09:54:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 3.194 ms

Loss rate: 0.02%

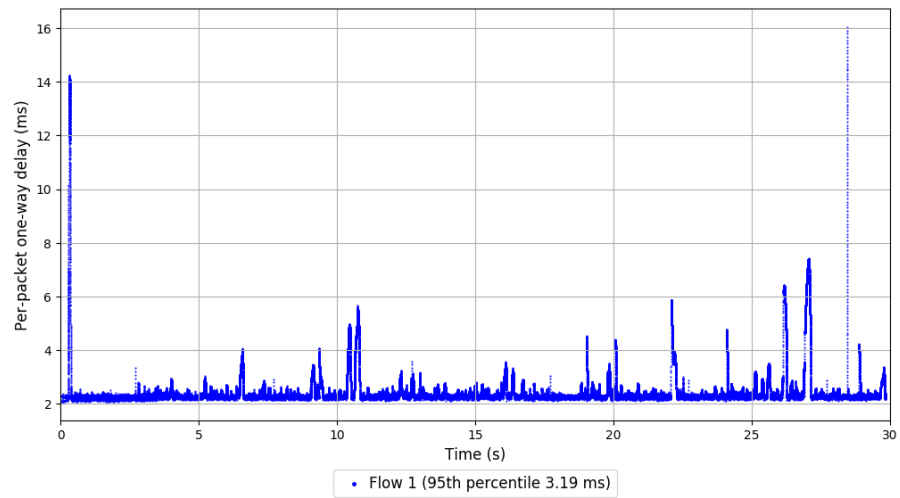
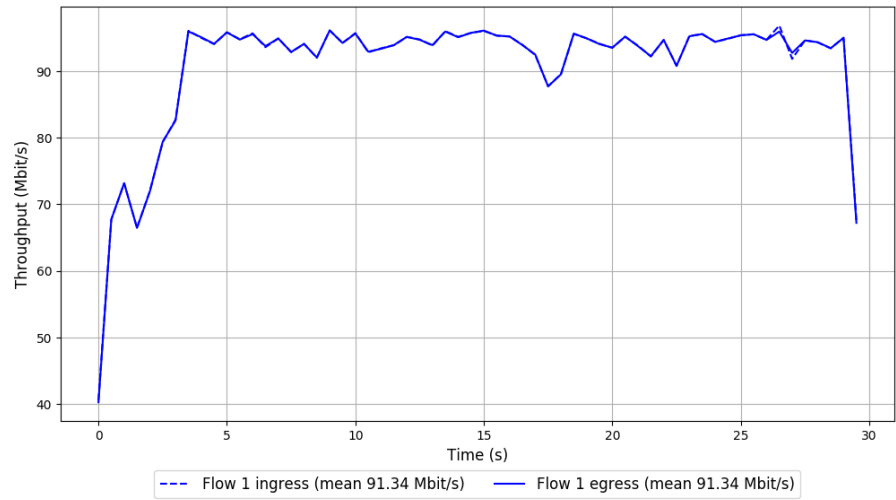
-- Flow 1:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 3.194 ms

Loss rate: 0.02%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-25 22:09:39

End at: 2018-01-25 22:10:09

Local clock offset: 0.356 ms

Remote clock offset: 0.811 ms

Below is generated by plot.py at 2018-01-26 09:54:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.28 Mbit/s

95th percentile per-packet one-way delay: 2.488 ms

Loss rate: 0.02%

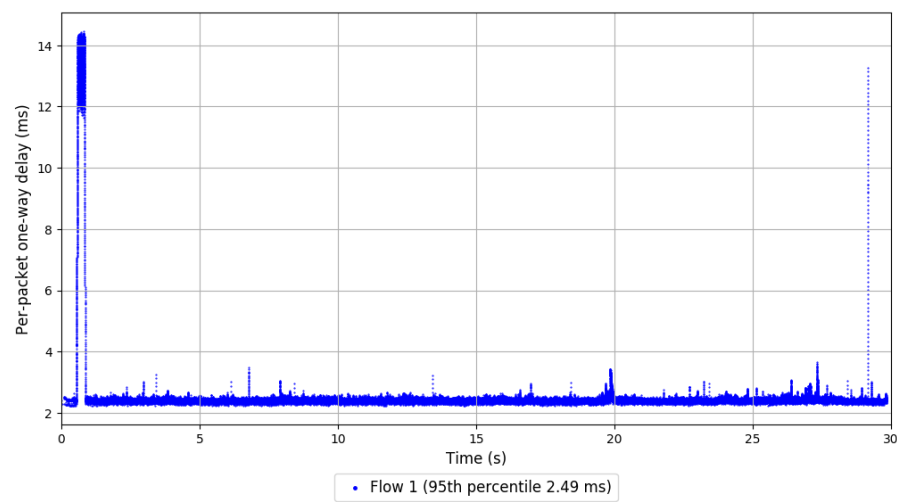
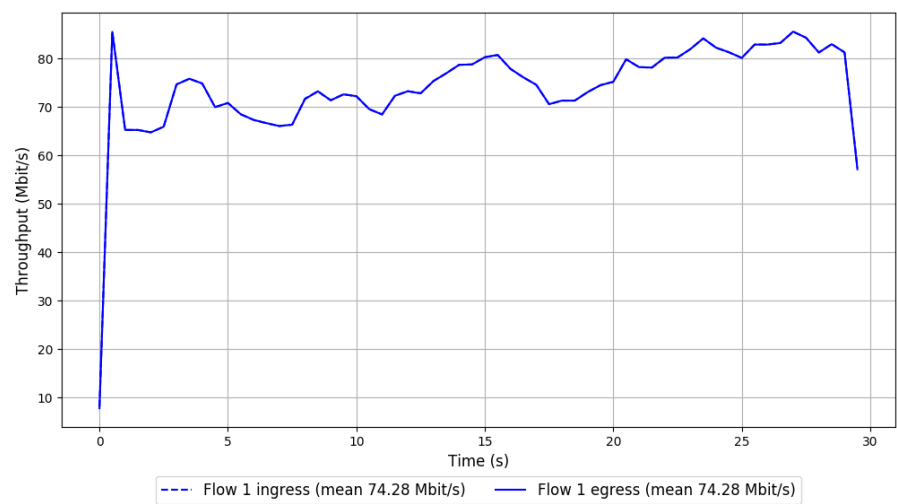
-- Flow 1:

Average throughput: 74.28 Mbit/s

95th percentile per-packet one-way delay: 2.488 ms

Loss rate: 0.02%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-25 22:27:43

End at: 2018-01-25 22:28:14

Local clock offset: 0.18 ms

Remote clock offset: 0.54 ms

Below is generated by plot.py at 2018-01-26 09:54:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 3.139 ms

Loss rate: 0.02%

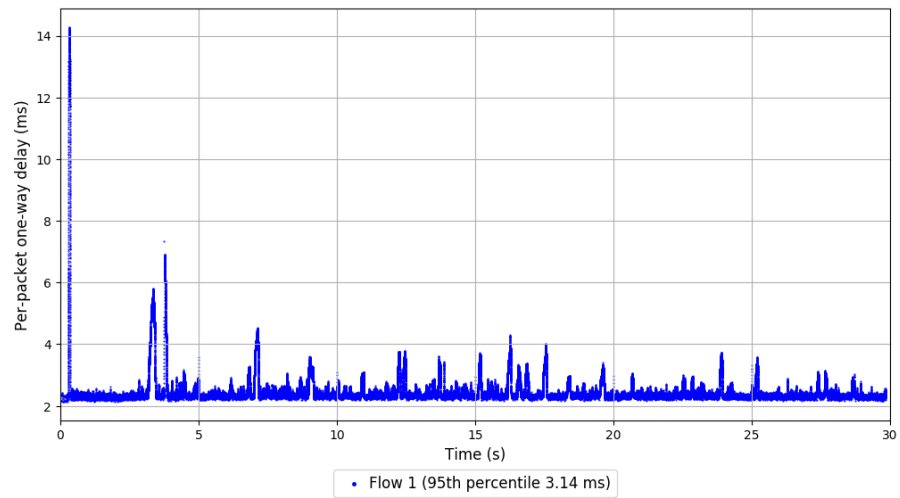
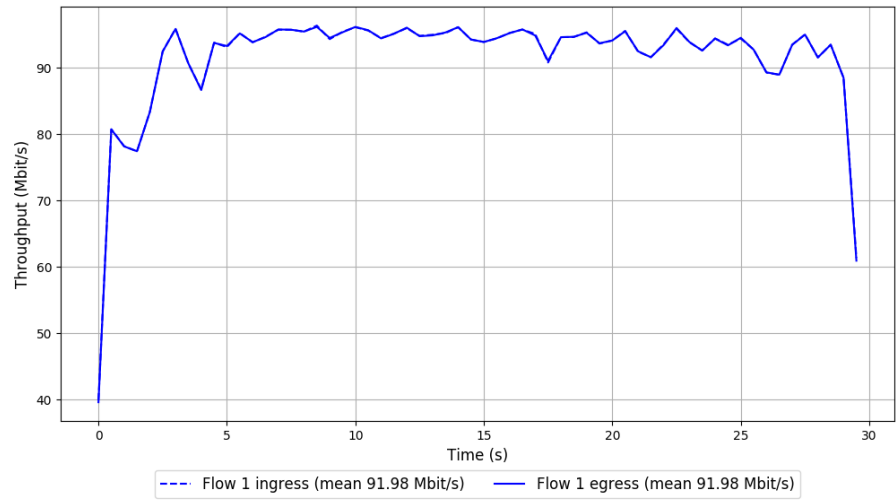
-- Flow 1:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 3.139 ms

Loss rate: 0.02%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-25 22:45:49

End at: 2018-01-25 22:46:19

Local clock offset: 0.184 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2018-01-26 09:54:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.47 Mbit/s

95th percentile per-packet one-way delay: 3.036 ms

Loss rate: 0.02%

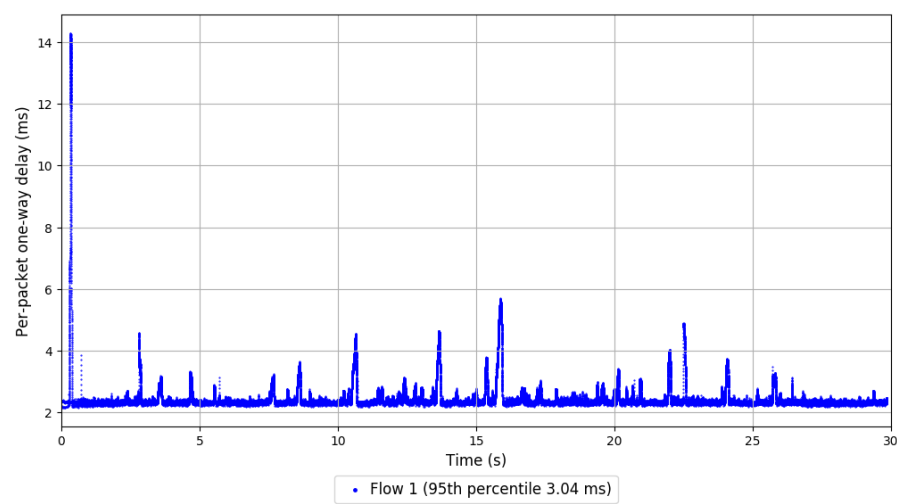
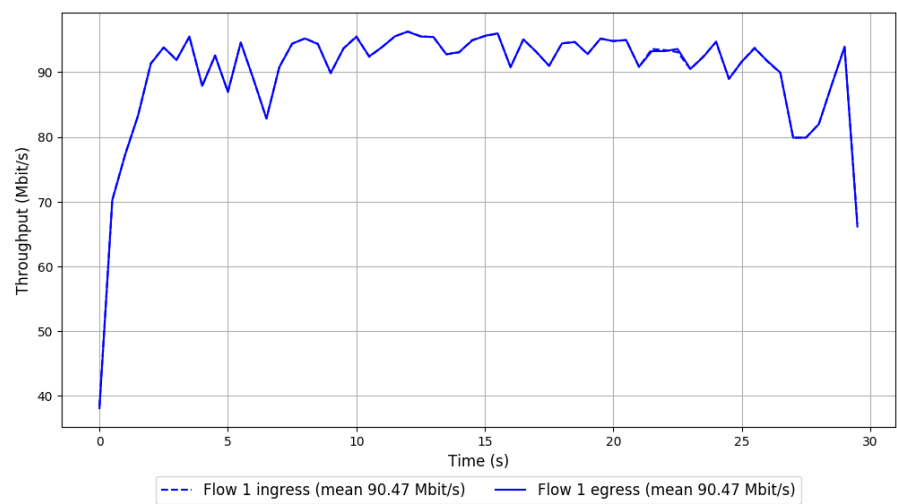
-- Flow 1:

Average throughput: 90.47 Mbit/s

95th percentile per-packet one-way delay: 3.036 ms

Loss rate: 0.02%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-25 23:03:48

End at: 2018-01-25 23:04:18

Local clock offset: 0.159 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: 3.865 ms

Loss rate: 0.02%

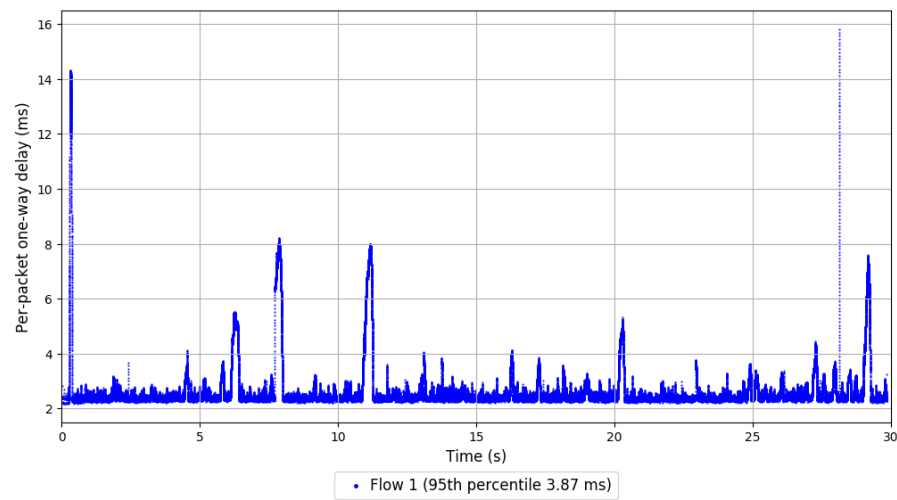
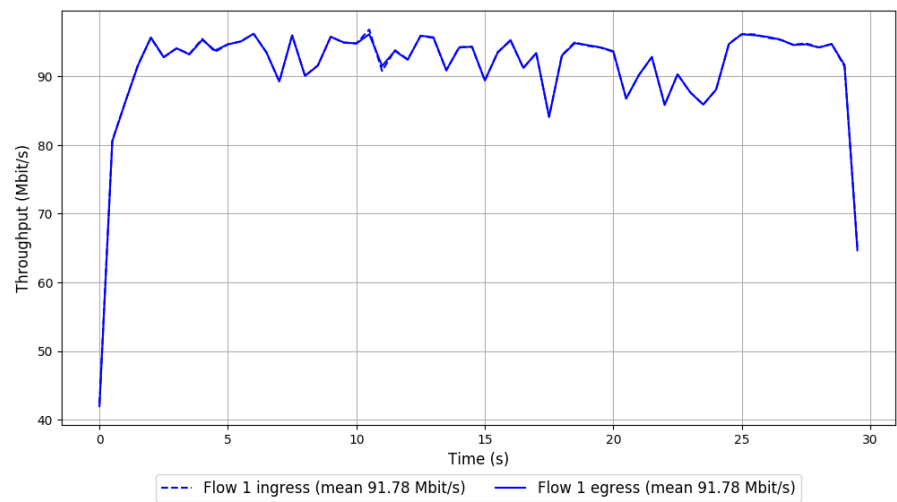
-- Flow 1:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: 3.865 ms

Loss rate: 0.02%

Run 9: Report of PCC — Data Link

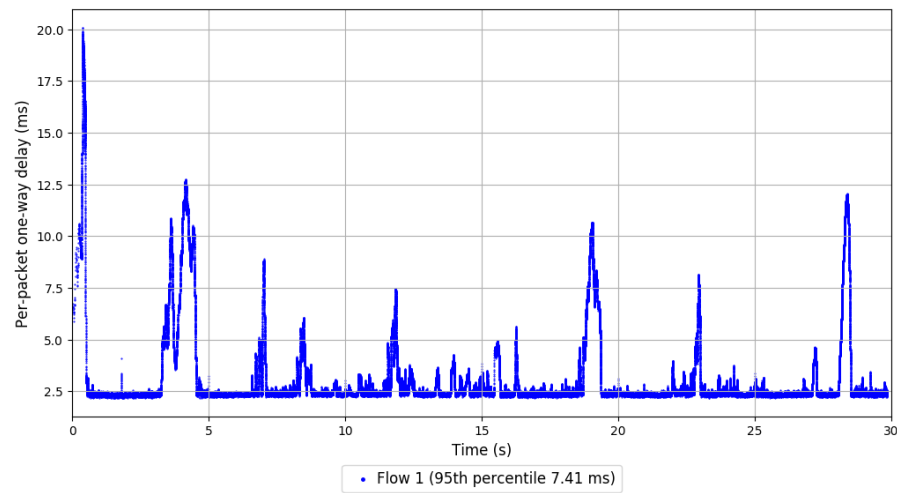
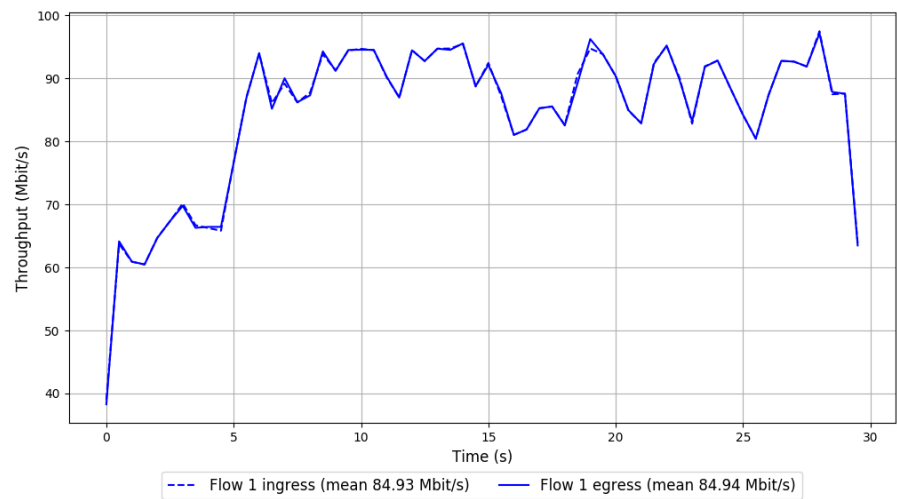


Run 10: Statistics of PCC

Start at: 2018-01-25 23:21:52
End at: 2018-01-25 23:22:22
Local clock offset: 0.065 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-01-26 09:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 7.413 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 7.413 ms
Loss rate: 0.02%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

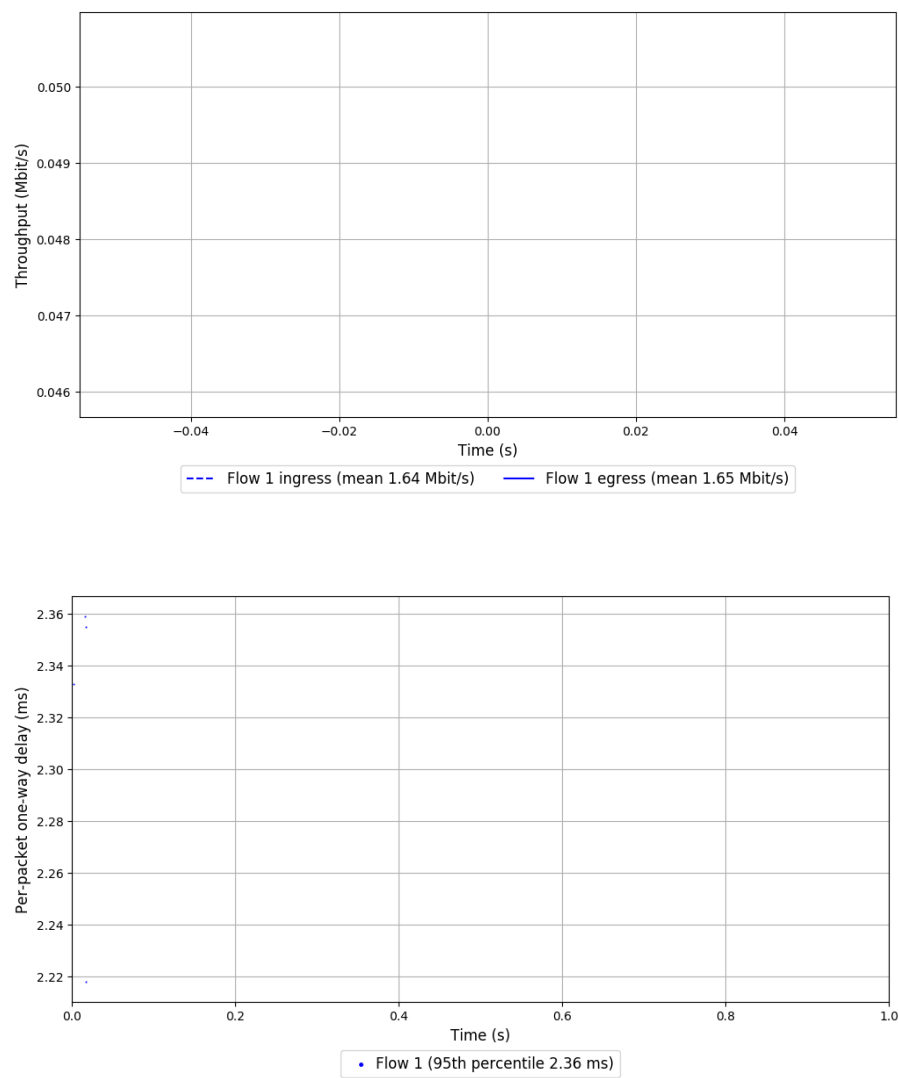
Start at: 2018-01-25 20:44:59

End at: 2018-01-25 20:45:29

Local clock offset: 0.926 ms

Remote clock offset: 0.829 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

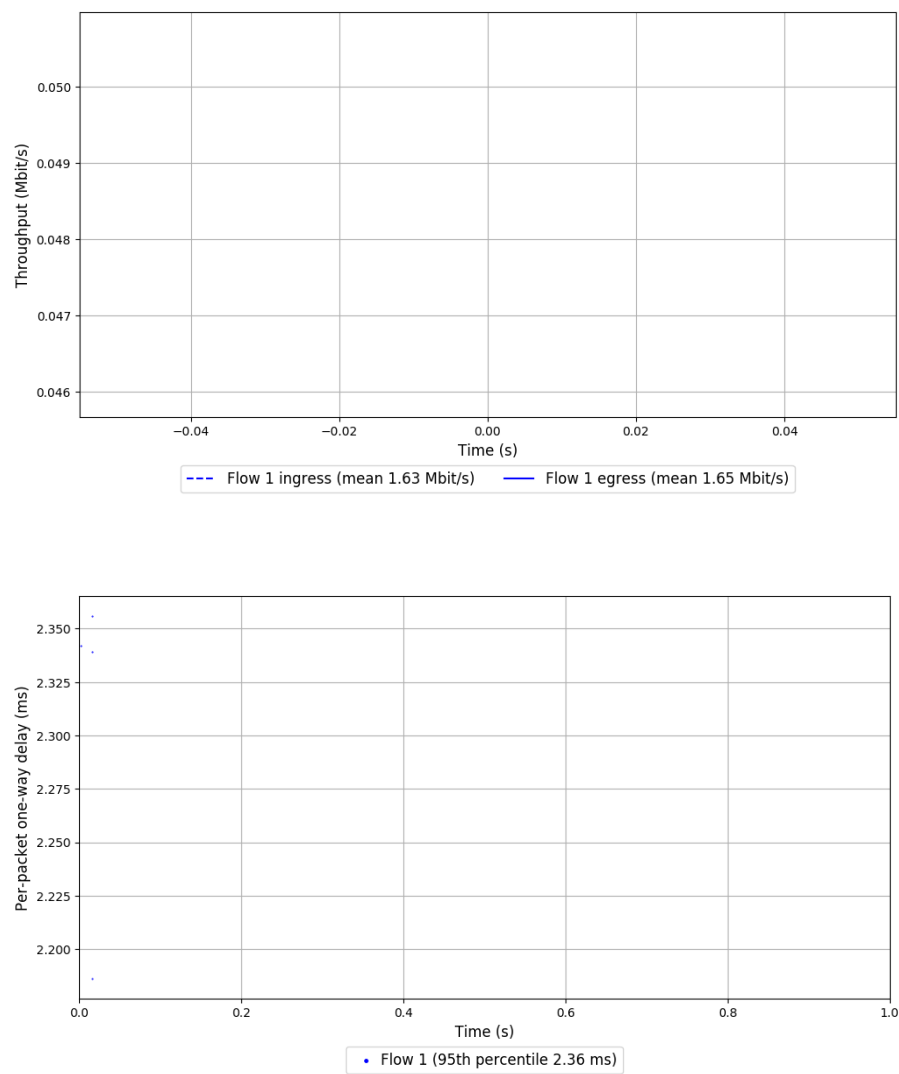
Start at: 2018-01-25 21:03:03

End at: 2018-01-25 21:03:33

Local clock offset: 0.818 ms

Remote clock offset: 0.878 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

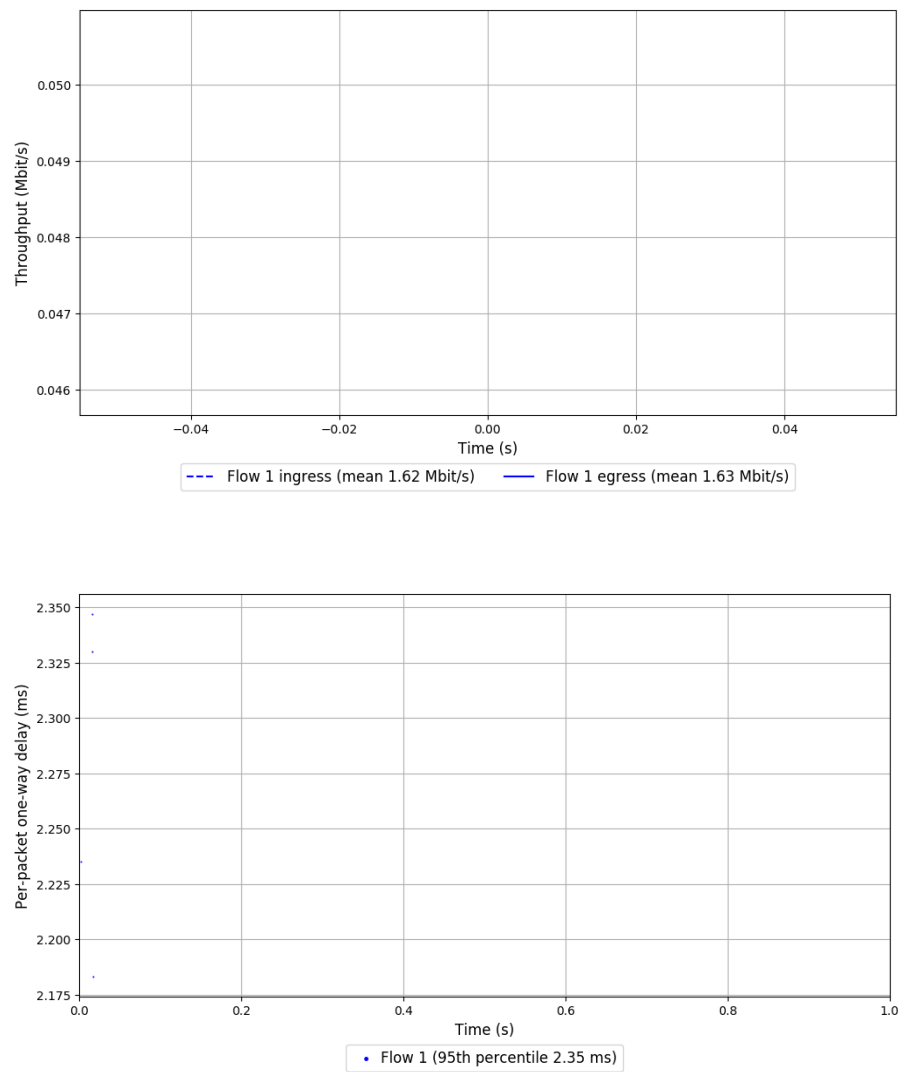
Start at: 2018-01-25 21:21:02

End at: 2018-01-25 21:21:32

Local clock offset: 0.526 ms

Remote clock offset: 0.927 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

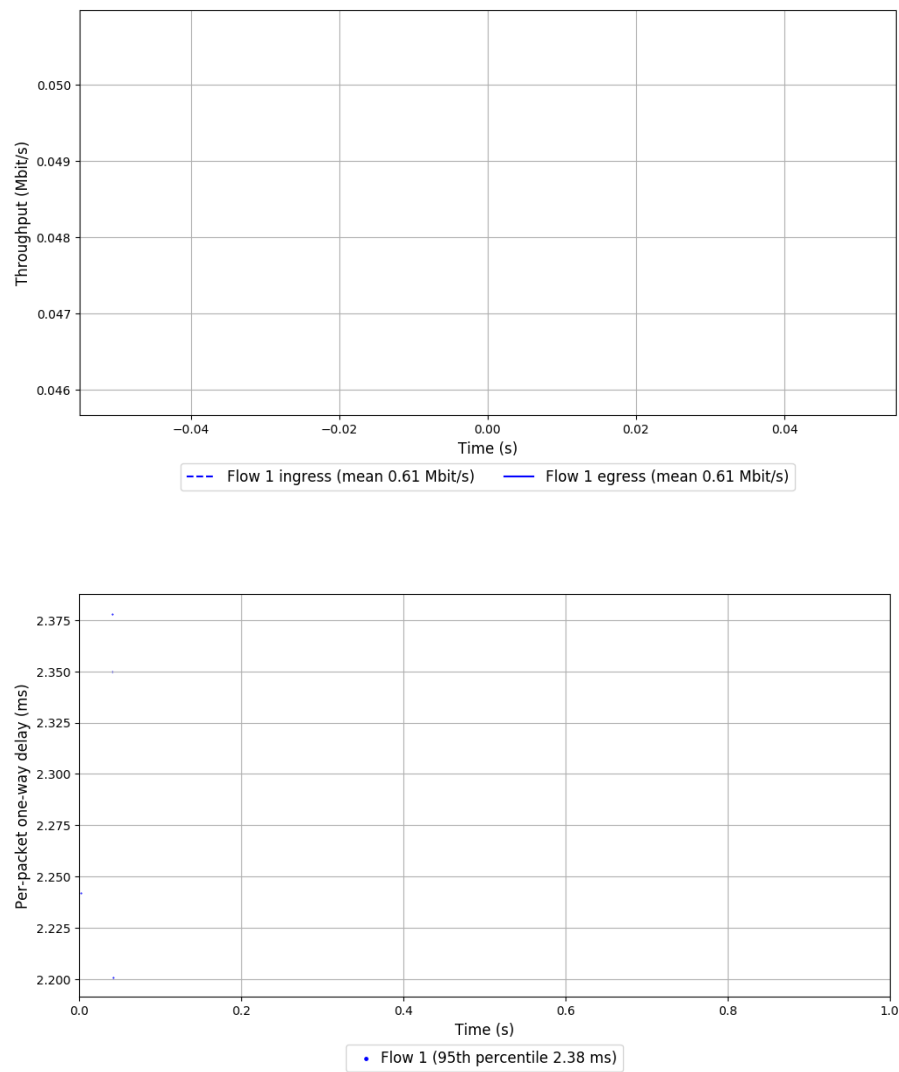
Start at: 2018-01-25 21:39:07

End at: 2018-01-25 21:39:37

Local clock offset: 0.491 ms

Remote clock offset: 1.025 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

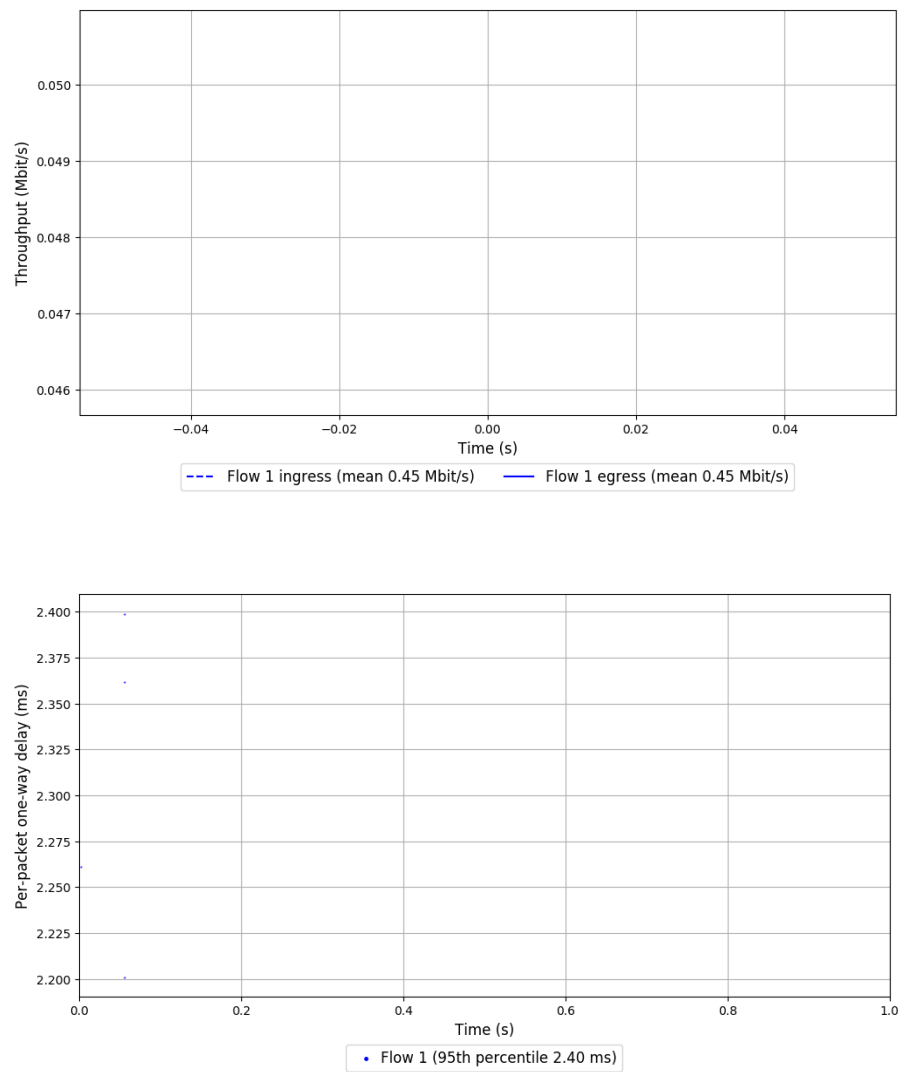
Start at: 2018-01-25 21:57:06

End at: 2018-01-25 21:57:36

Local clock offset: 0.425 ms

Remote clock offset: 0.996 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

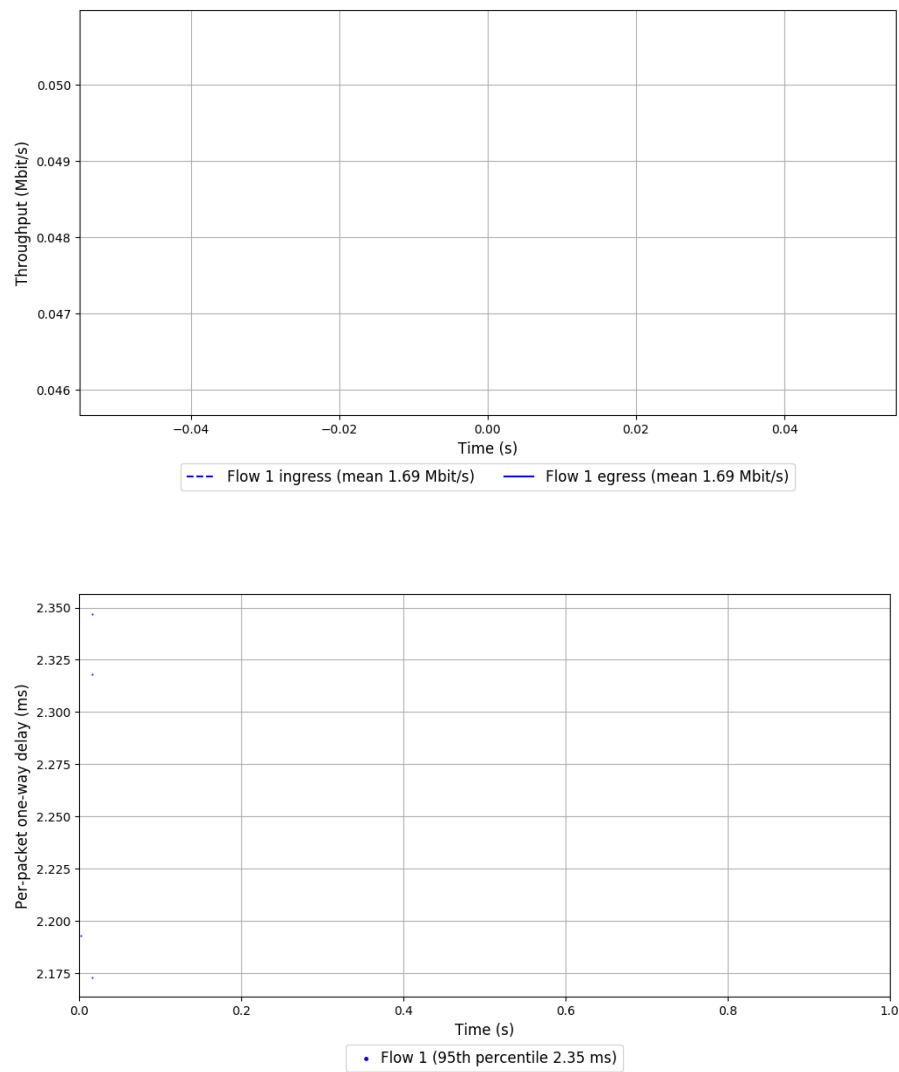
Start at: 2018-01-25 22:15:10

End at: 2018-01-25 22:15:40

Local clock offset: 0.242 ms

Remote clock offset: 0.715 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

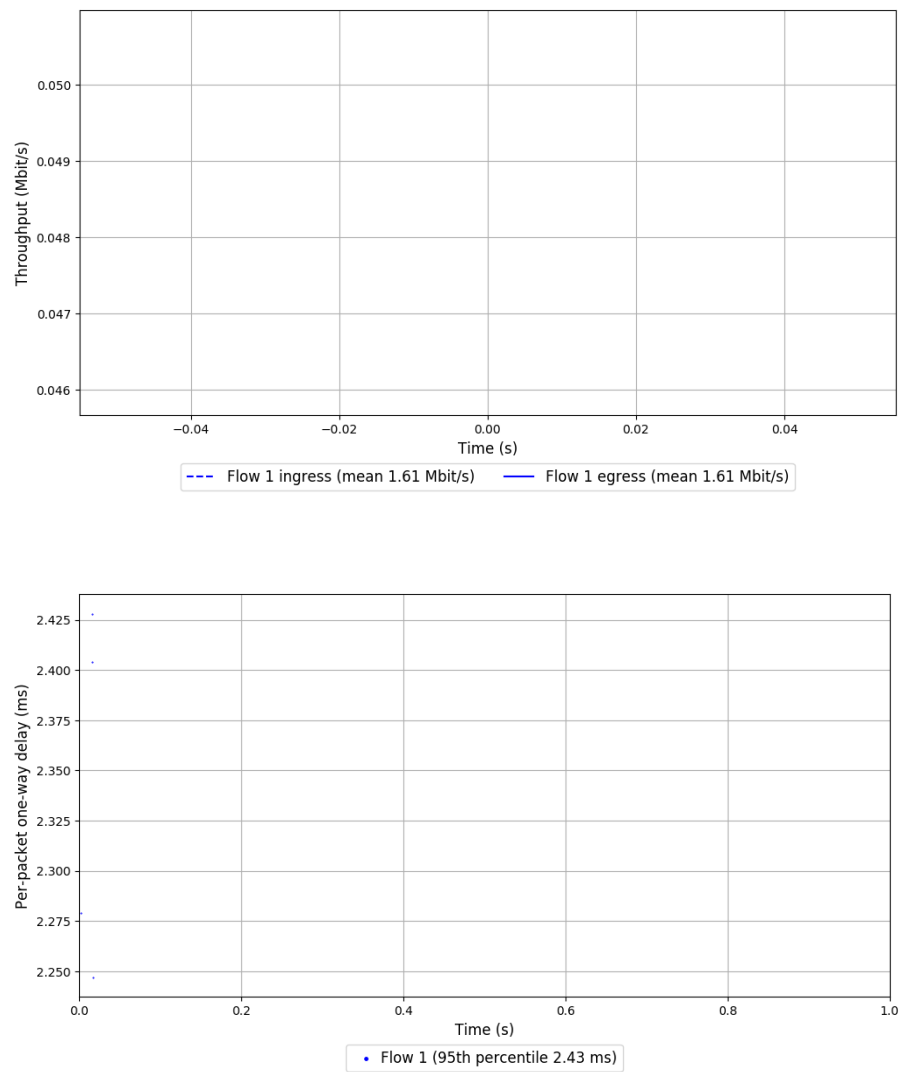
Start at: 2018-01-25 22:33:16

End at: 2018-01-25 22:33:46

Local clock offset: 0.216 ms

Remote clock offset: 0.412 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

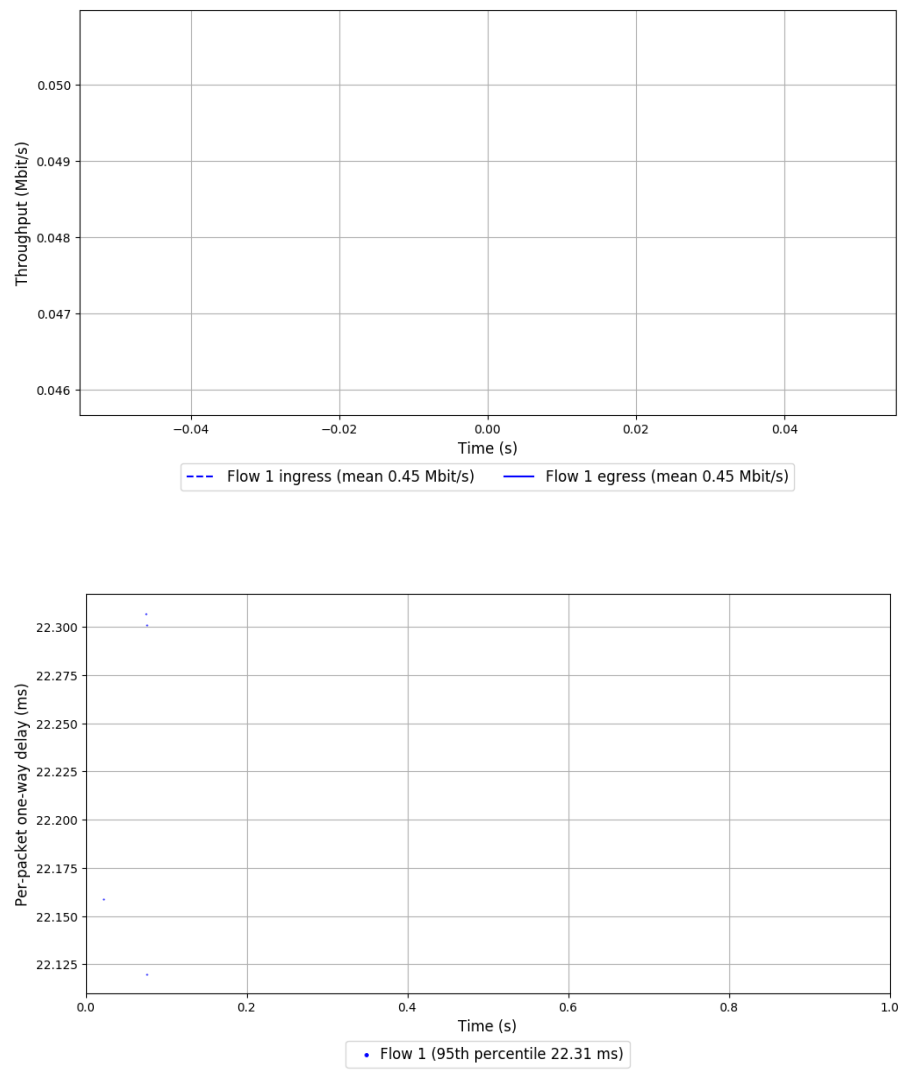
Start at: 2018-01-25 22:51:21

End at: 2018-01-25 22:51:51

Local clock offset: 0.203 ms

Remote clock offset: -19.639 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

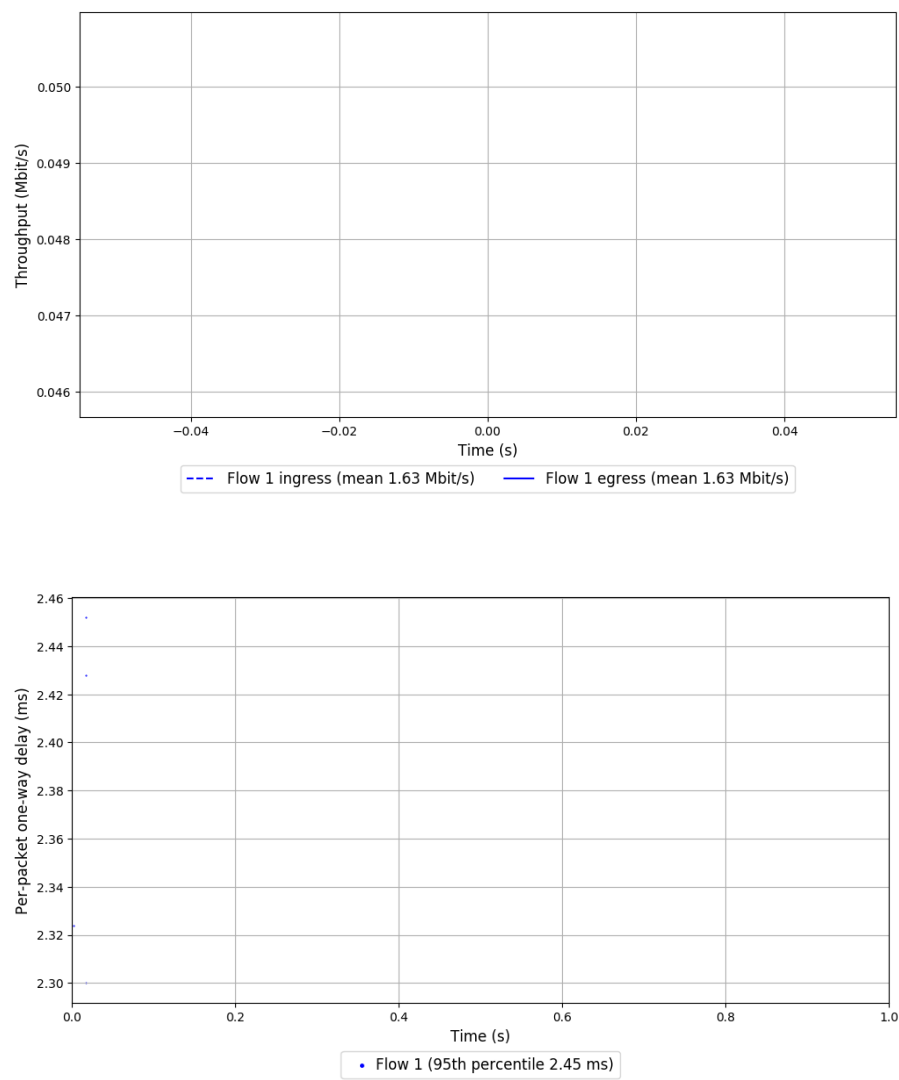
Start at: 2018-01-25 23:09:20

End at: 2018-01-25 23:09:50

Local clock offset: 0.11 ms

Remote clock offset: -0.014 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

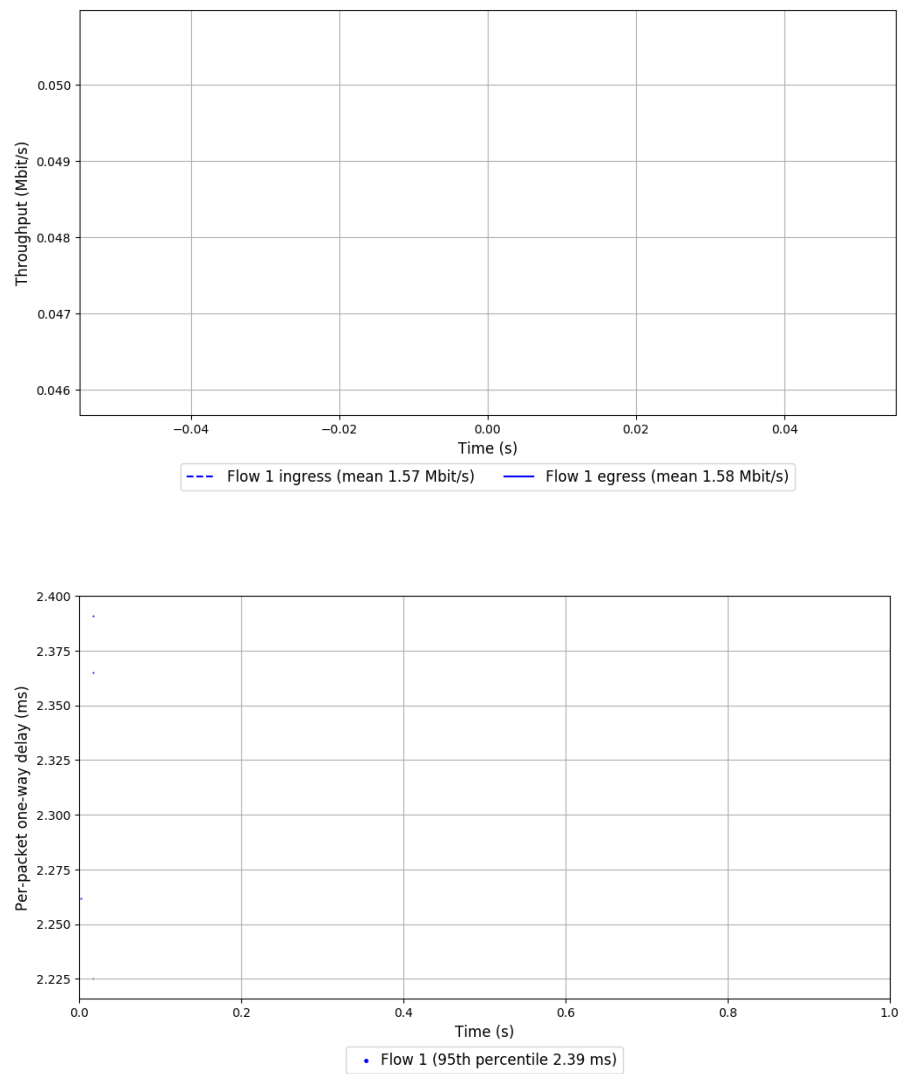
Start at: 2018-01-25 23:27:24

End at: 2018-01-25 23:27:54

Local clock offset: 0.036 ms

Remote clock offset: -0.171 ms

Run 10: Report of QUIC Cubic — Data Link

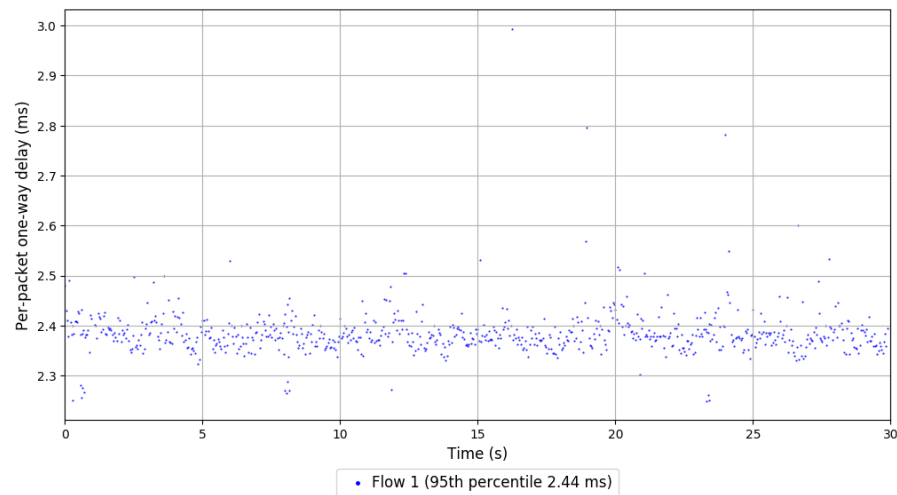
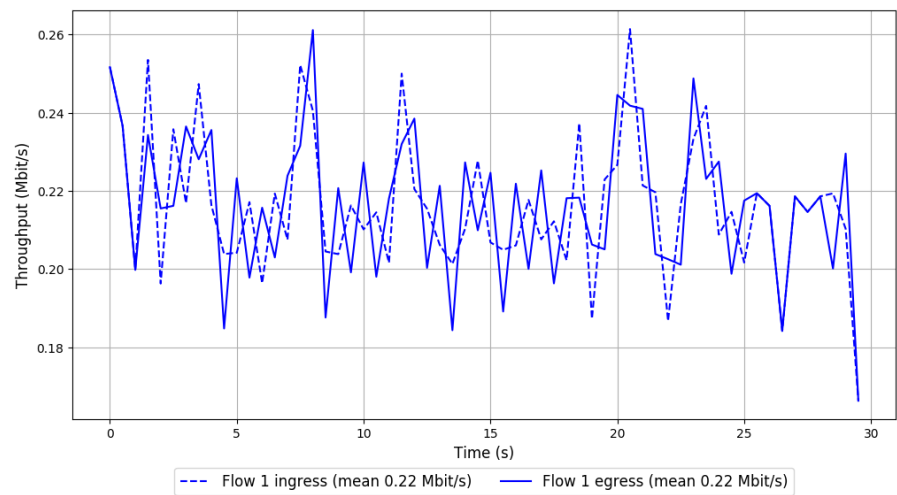


```
Run 1: Statistics of SCReAM

Start at: 2018-01-25 20:41:41
End at: 2018-01-25 20:42:11
Local clock offset: 0.912 ms
Remote clock offset: 0.799 ms

# Below is generated by plot.py at 2018-01-26 09:54:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.445 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-01-25 20:59:46

End at: 2018-01-25 21:00:16

Local clock offset: 0.814 ms

Remote clock offset: 0.786 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.382 ms

Loss rate: 0.00%

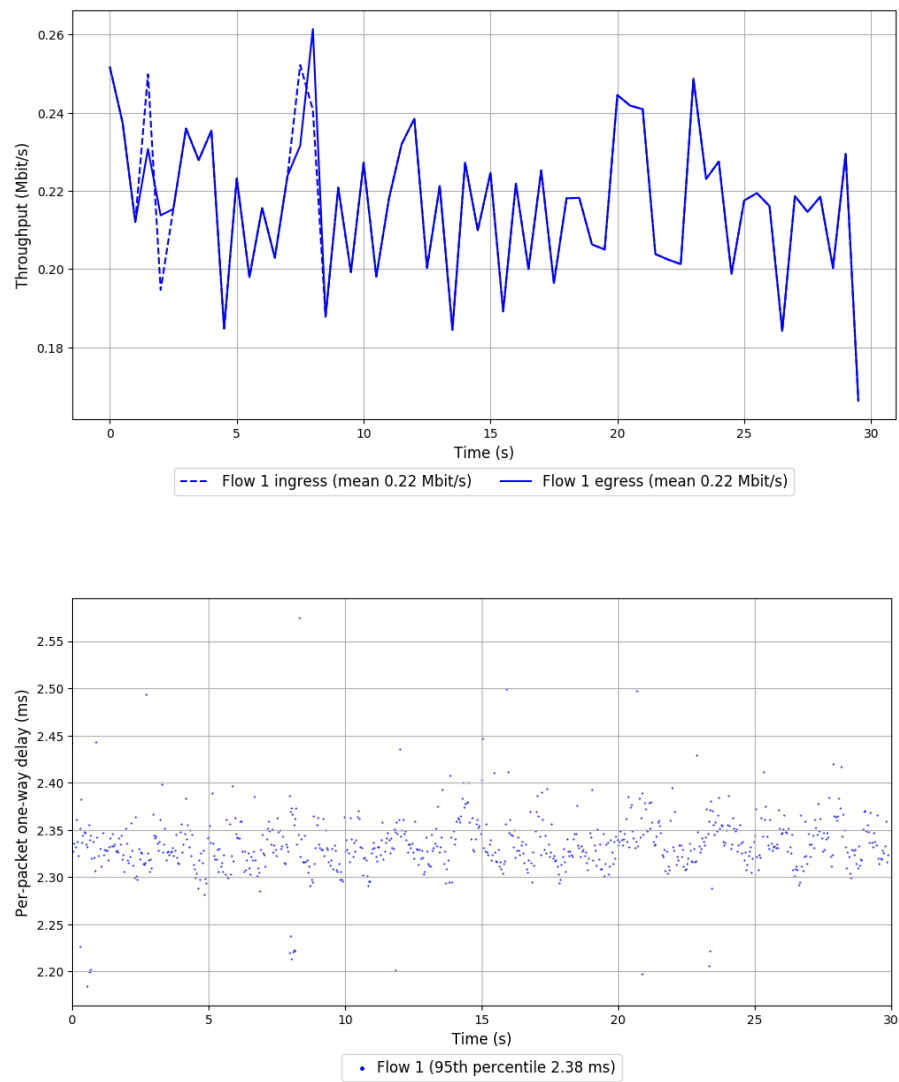
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.382 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-25 21:17:45

End at: 2018-01-25 21:18:15

Local clock offset: 0.638 ms

Remote clock offset: 0.89 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.460 ms

Loss rate: 0.00%

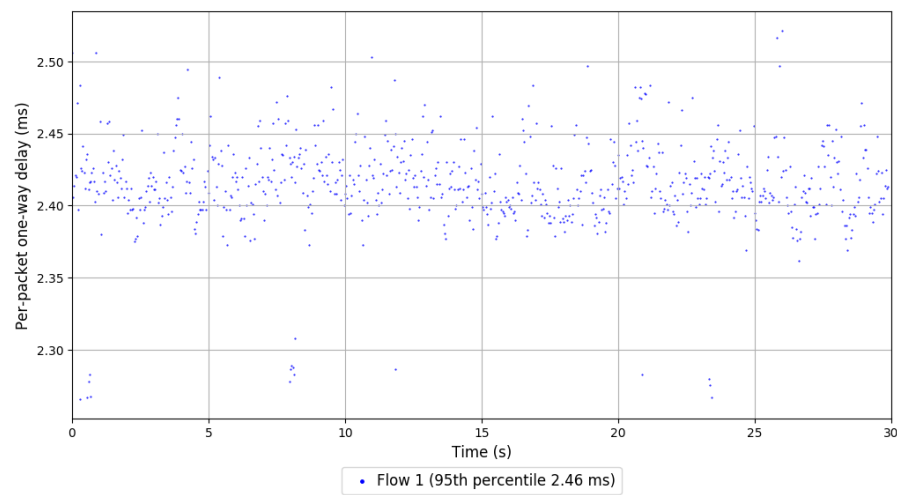
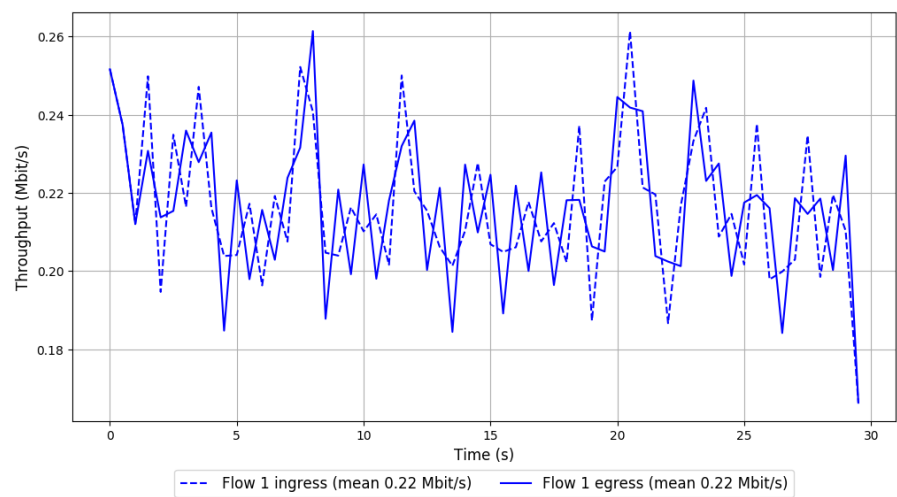
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.460 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-25 21:35:50

End at: 2018-01-25 21:36:20

Local clock offset: 0.508 ms

Remote clock offset: 1.022 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.409 ms

Loss rate: 0.00%

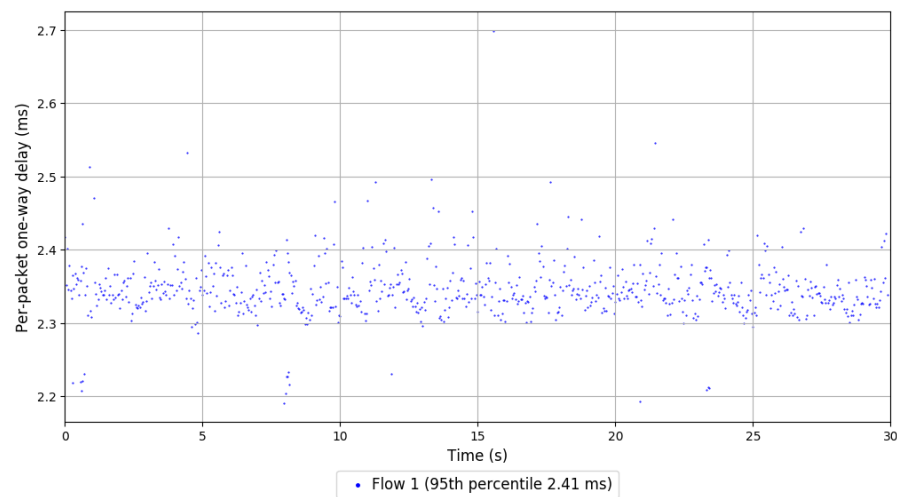
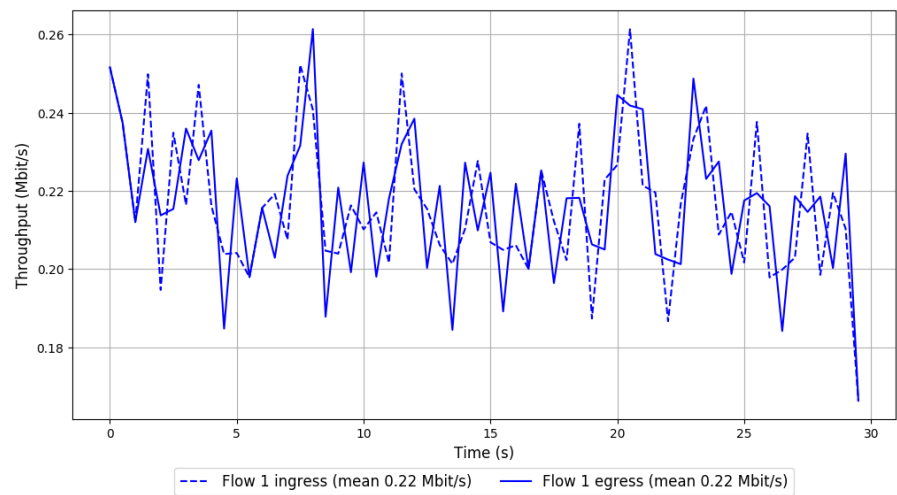
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.409 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-25 21:53:49

End at: 2018-01-25 21:54:19

Local clock offset: 0.428 ms

Remote clock offset: 1.0 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.400 ms

Loss rate: 0.00%

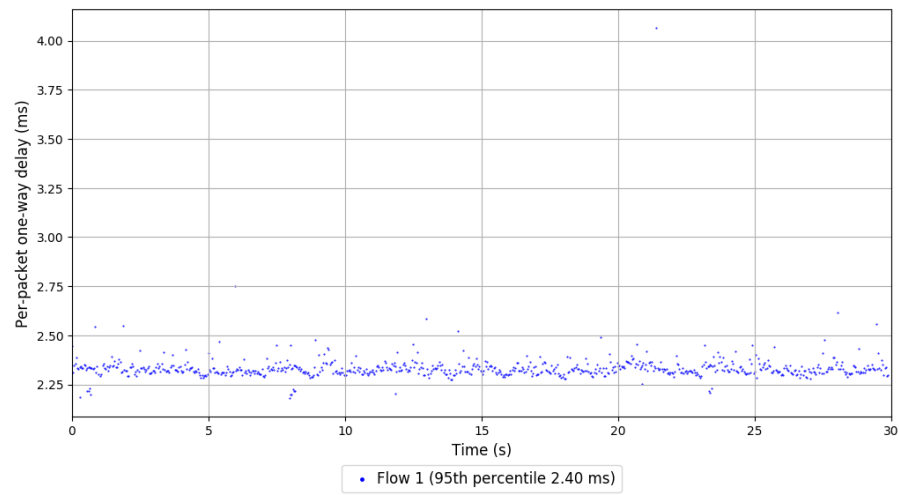
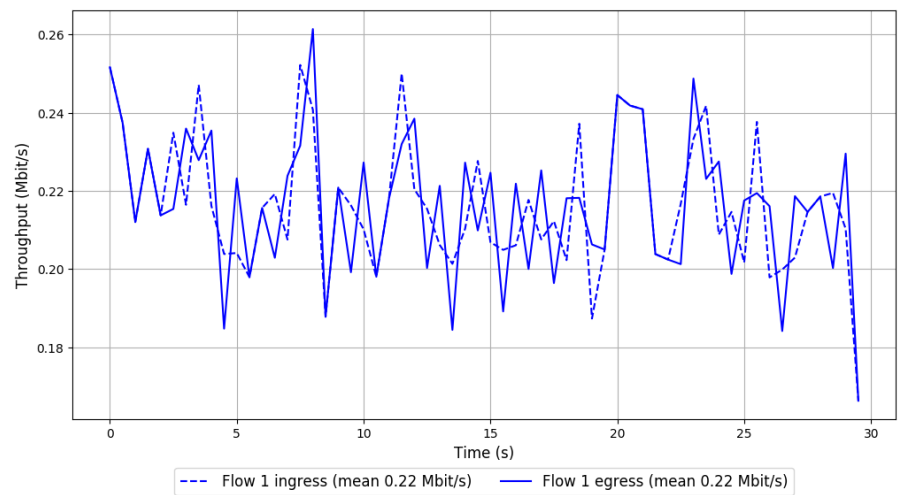
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.400 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-25 22:11:53

End at: 2018-01-25 22:12:23

Local clock offset: 0.333 ms

Remote clock offset: 0.757 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.451 ms

Loss rate: 0.00%

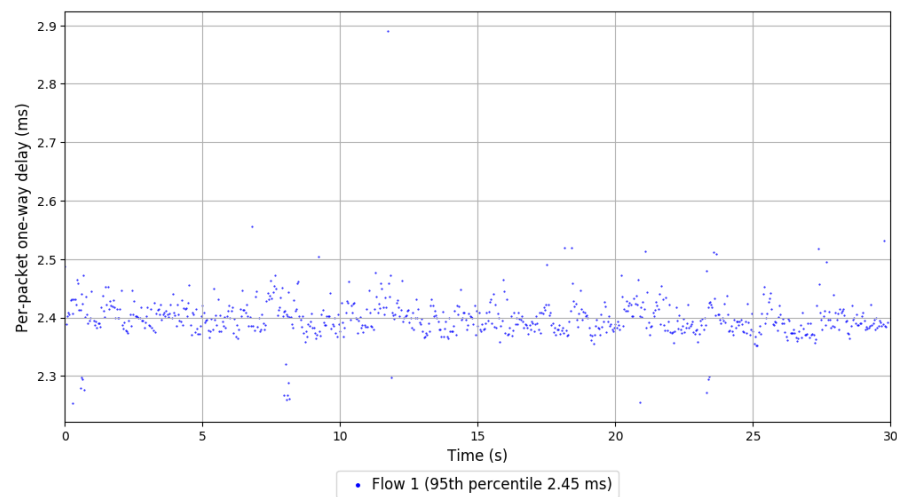
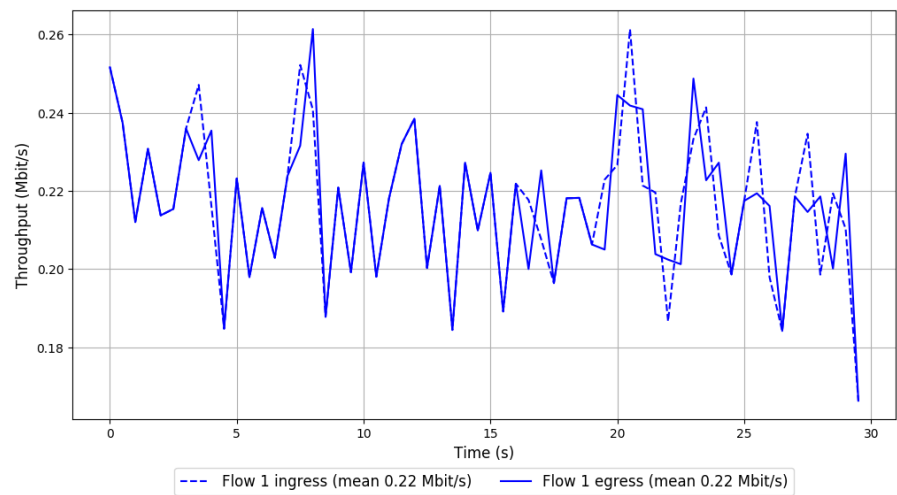
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.451 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-25 22:29:59

End at: 2018-01-25 22:30:29

Local clock offset: 0.161 ms

Remote clock offset: 0.525 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.318 ms

Loss rate: 0.00%

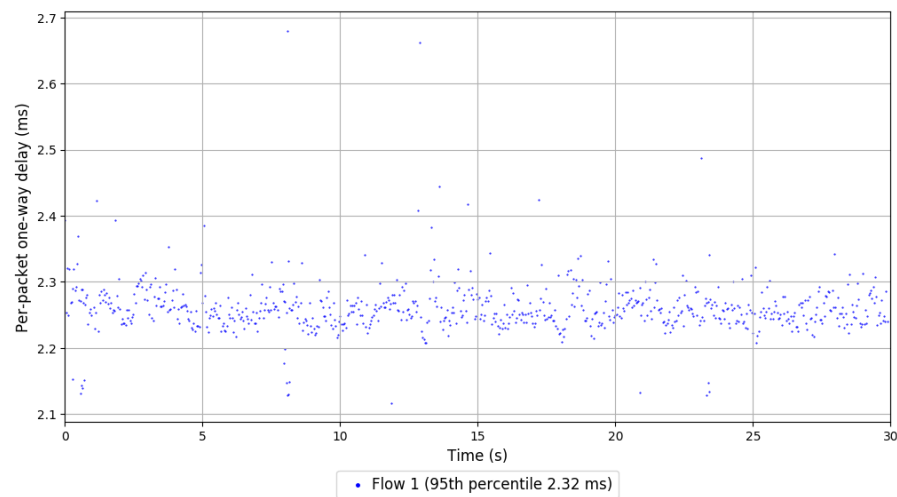
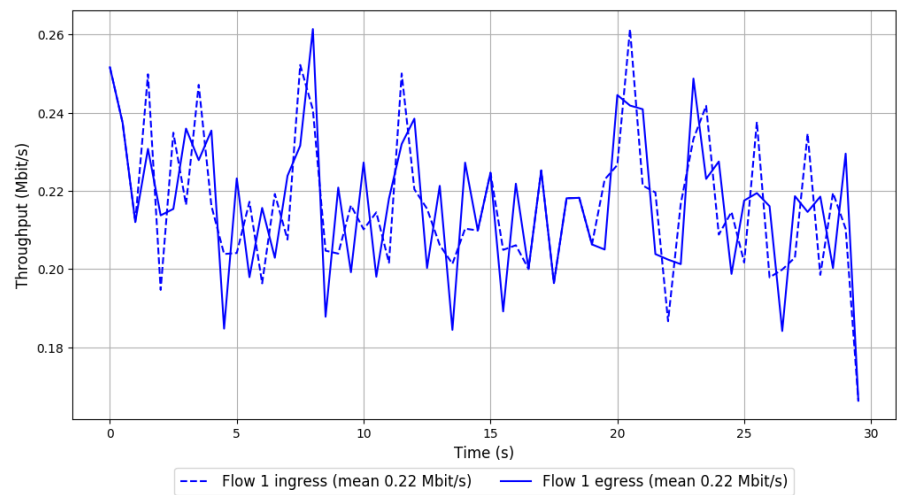
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.318 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-25 22:48:04

End at: 2018-01-25 22:48:34

Local clock offset: 0.186 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.400 ms

Loss rate: 0.00%

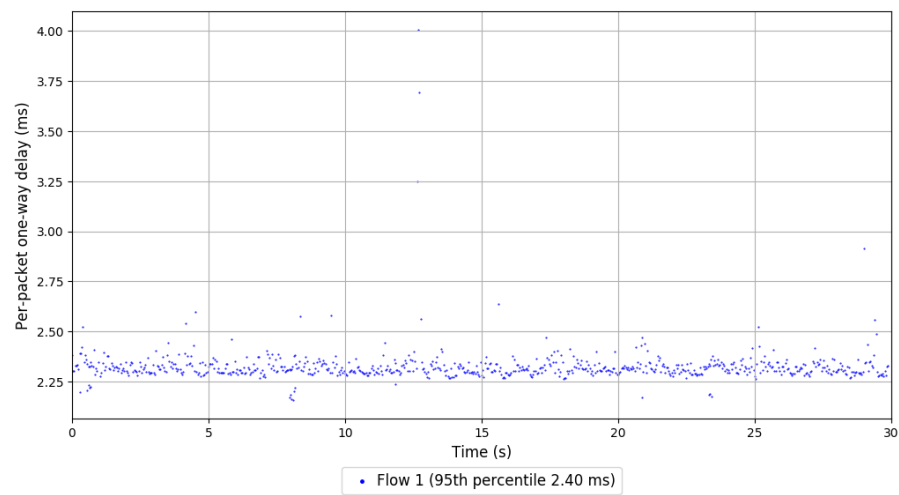
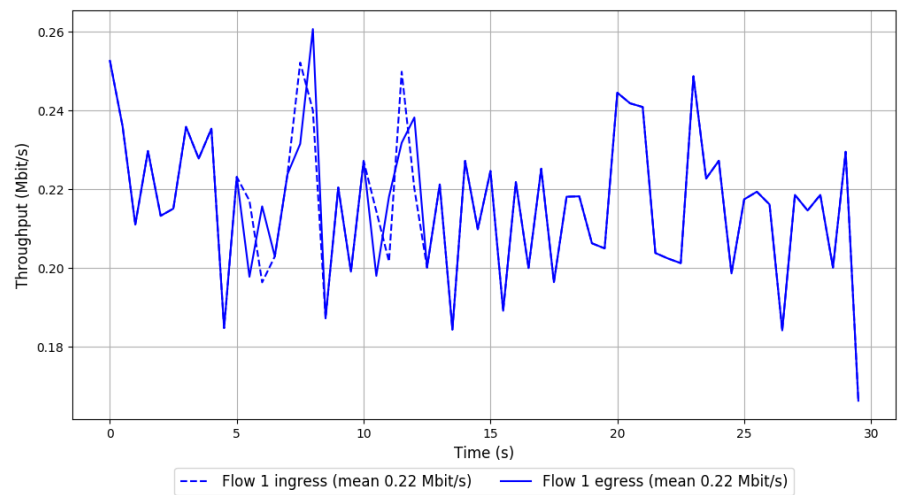
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.400 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-25 23:06:03

End at: 2018-01-25 23:06:33

Local clock offset: 0.15 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.378 ms

Loss rate: 0.00%

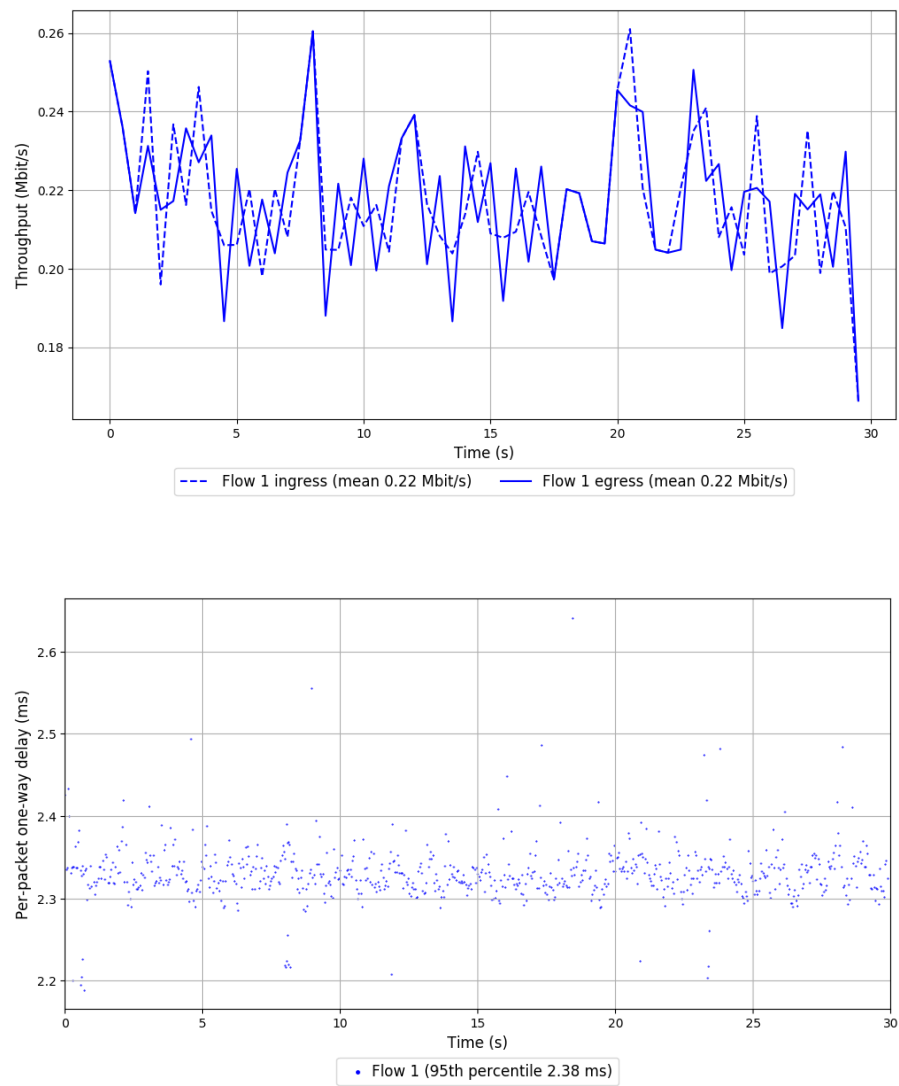
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.378 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

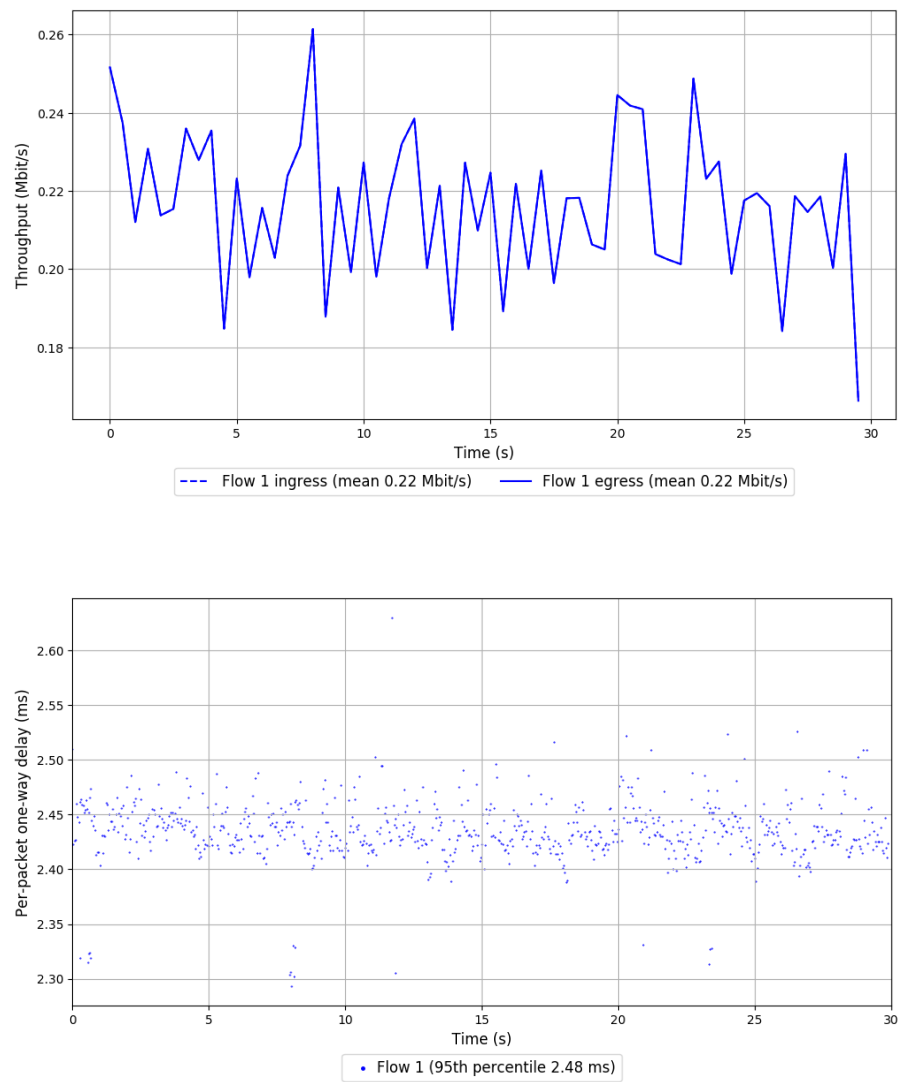


Run 10: Statistics of SReAM

Start at: 2018-01-25 23:24:07
End at: 2018-01-25 23:24:37
Local clock offset: 0.047 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-01-26 09:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-01-25 20:42:45

End at: 2018-01-25 20:43:15

Local clock offset: 0.908 ms

Remote clock offset: 0.854 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 2.763 ms

Loss rate: 0.00%

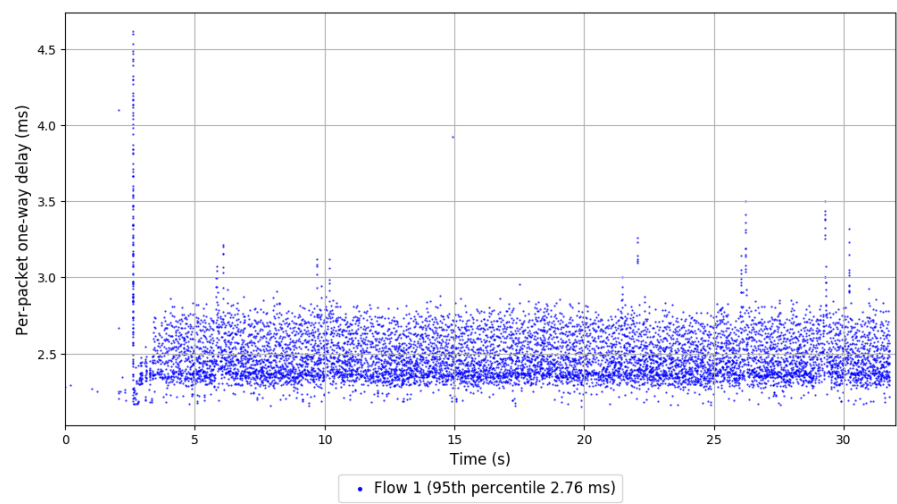
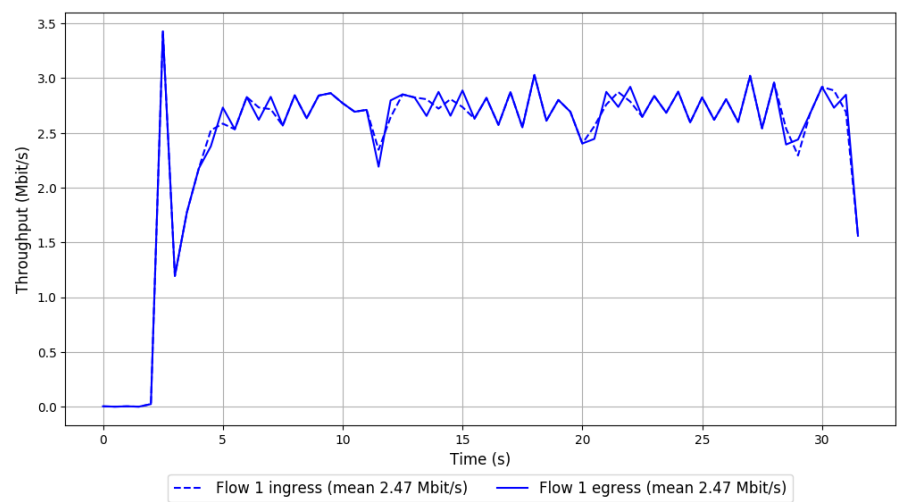
-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 2.763 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-25 21:00:50

End at: 2018-01-25 21:01:20

Local clock offset: 0.853 ms

Remote clock offset: 0.875 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 2.754 ms

Loss rate: 0.00%

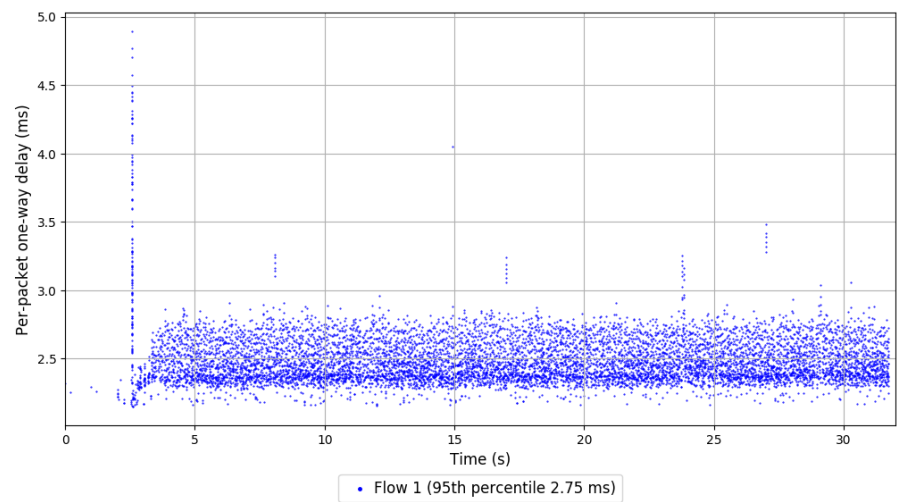
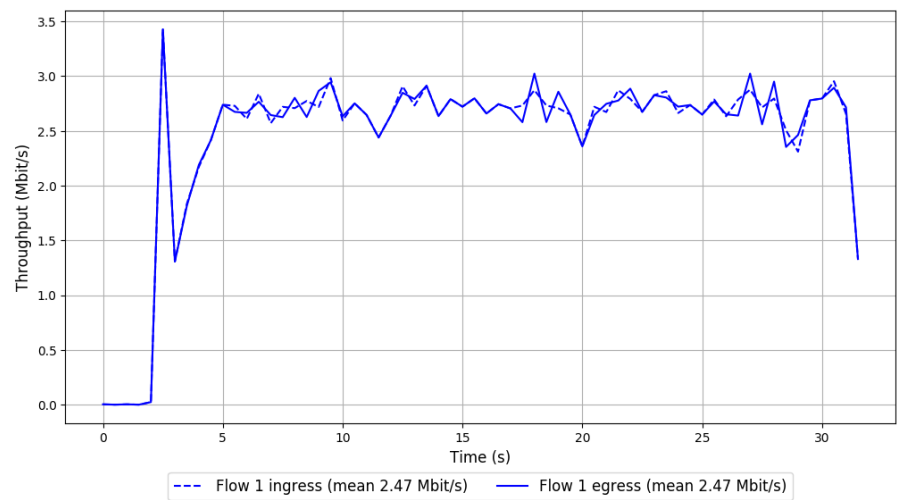
-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 2.754 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-25 21:18:49

End at: 2018-01-25 21:19:19

Local clock offset: 0.546 ms

Remote clock offset: 0.994 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.47 Mbit/s

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

Loss rate: 0.05%

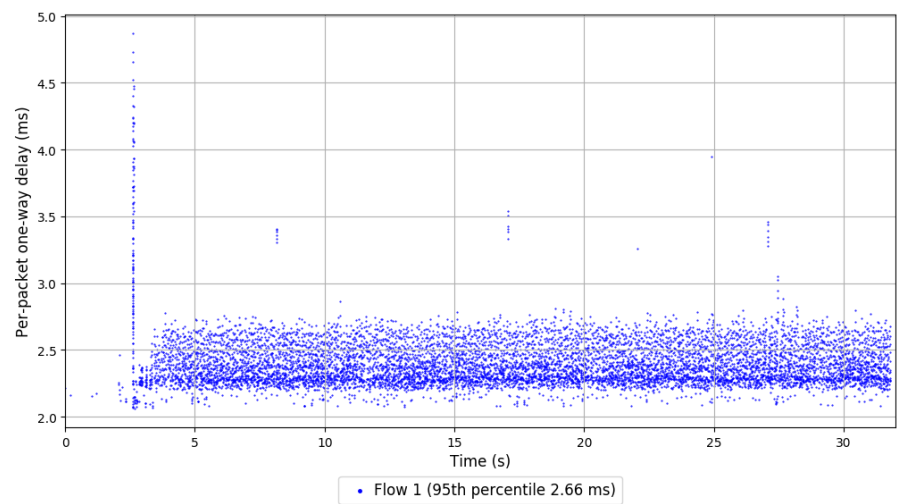
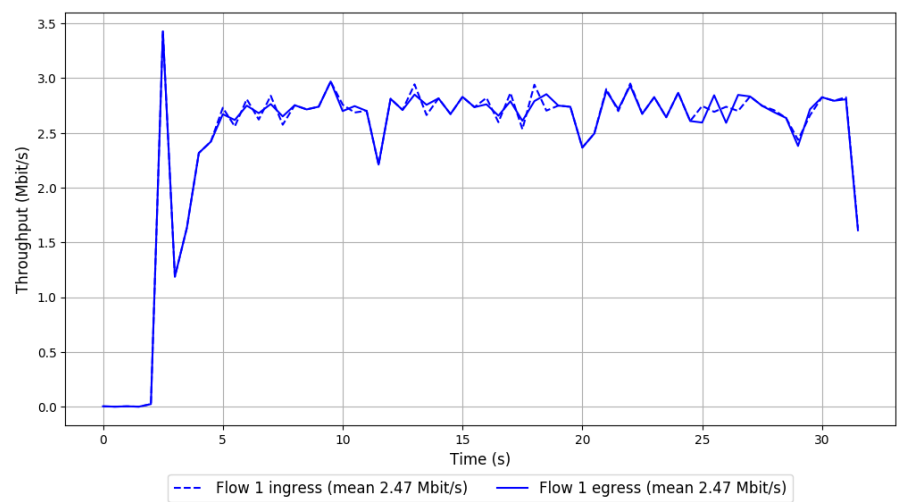
-- Flow 1:

Average throughput: 2.47 Mbit/s

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

Loss rate: 0.05%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-25 21:36:53

End at: 2018-01-25 21:37:23

Local clock offset: 0.404 ms

Remote clock offset: 1.047 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 2.668 ms

Loss rate: 0.00%

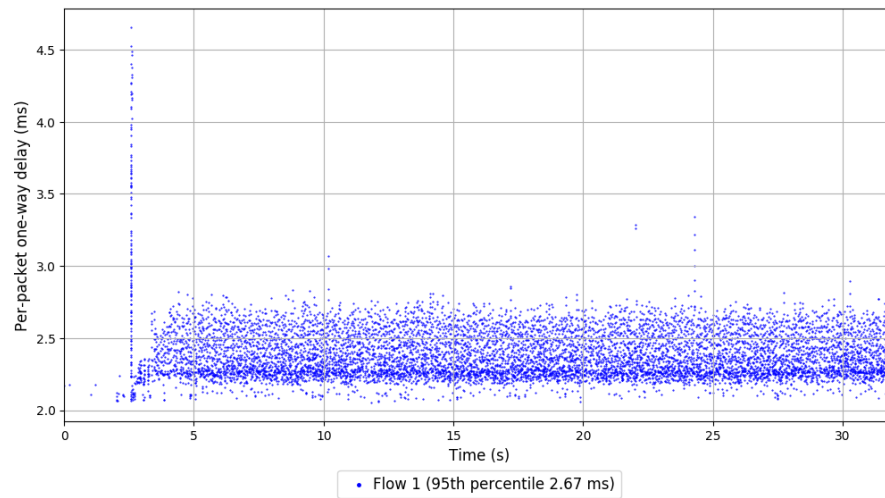
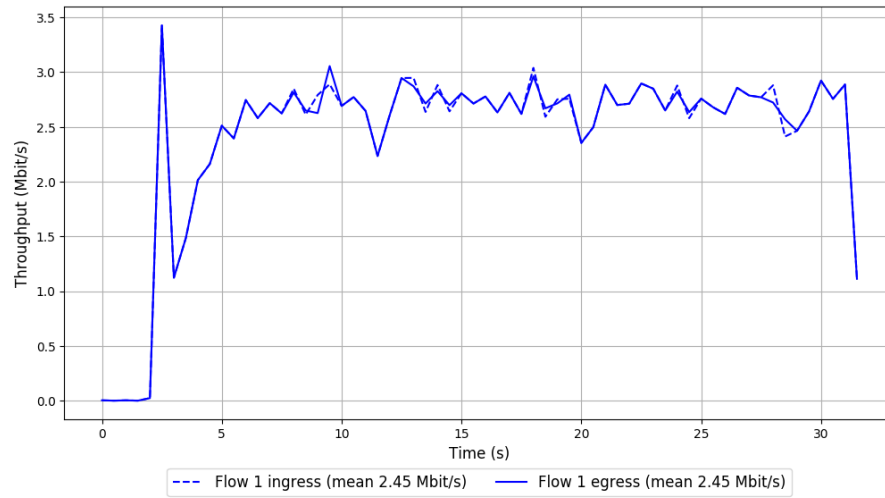
-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 2.668 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-25 21:54:52

End at: 2018-01-25 21:55:22

Local clock offset: 0.417 ms

Remote clock offset: 0.98 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 2.812 ms

Loss rate: 0.00%

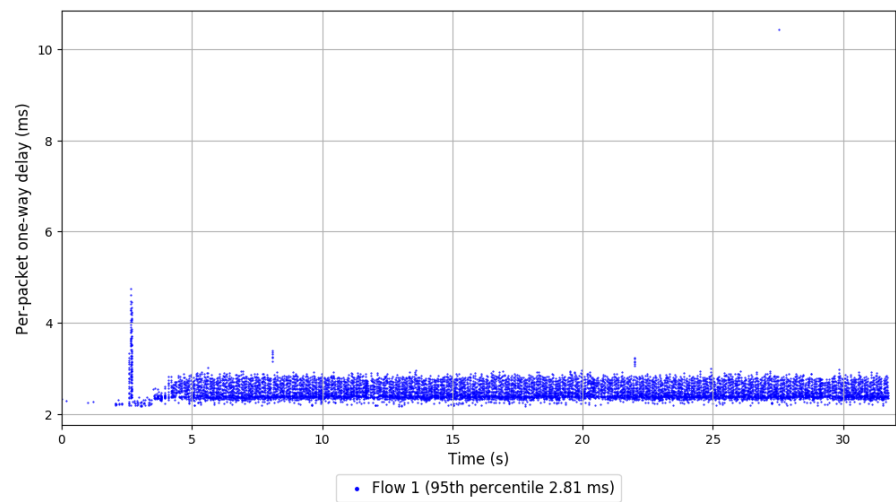
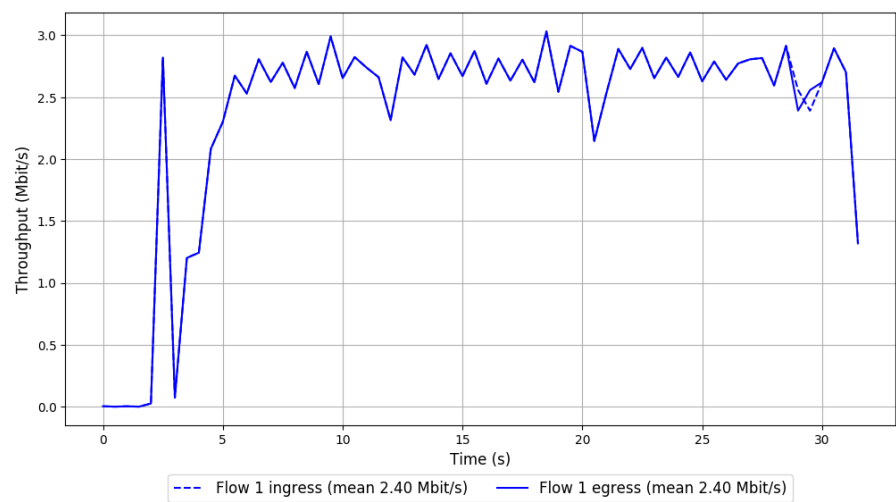
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 2.812 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-25 22:12:57

End at: 2018-01-25 22:13:27

Local clock offset: 0.255 ms

Remote clock offset: 0.803 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 2.755 ms

Loss rate: 0.00%

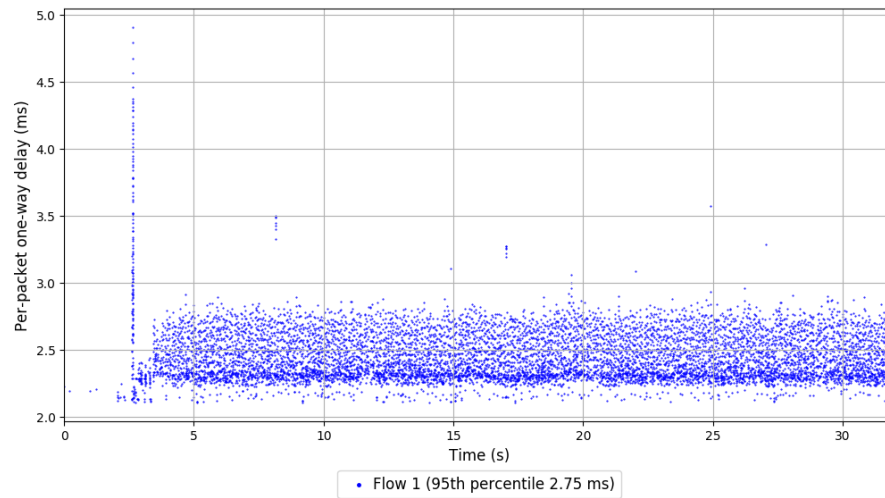
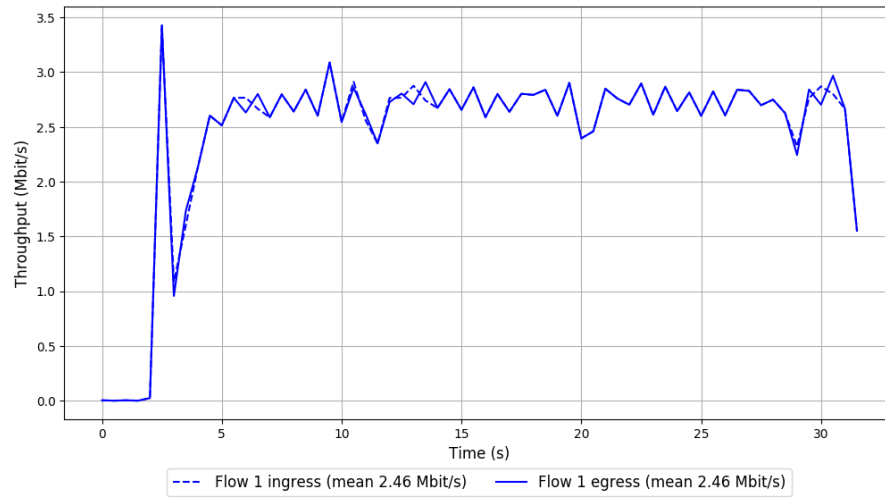
-- Flow 1:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 2.755 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-25 22:31:02

End at: 2018-01-25 22:31:32

Local clock offset: 0.225 ms

Remote clock offset: 0.534 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 2.777 ms

Loss rate: 0.00%

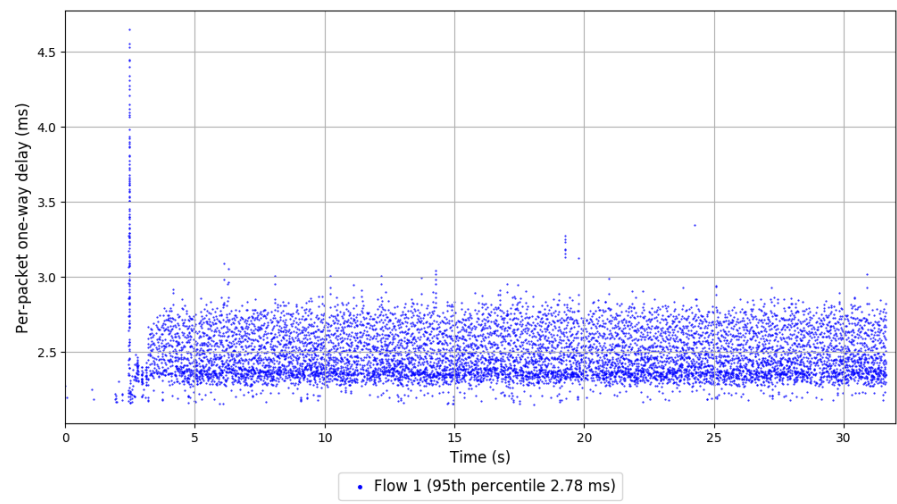
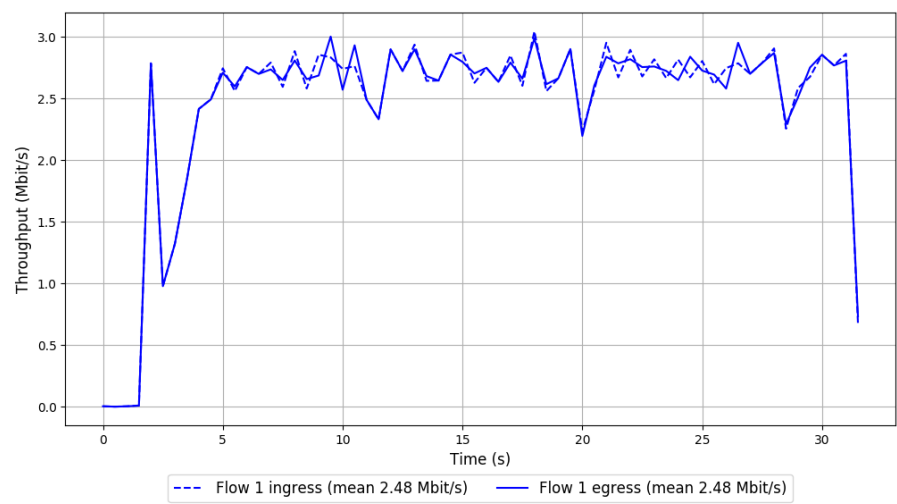
-- Flow 1:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 2.777 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-25 22:49:08

End at: 2018-01-25 22:49:38

Local clock offset: 0.176 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.735 ms

Loss rate: 0.00%

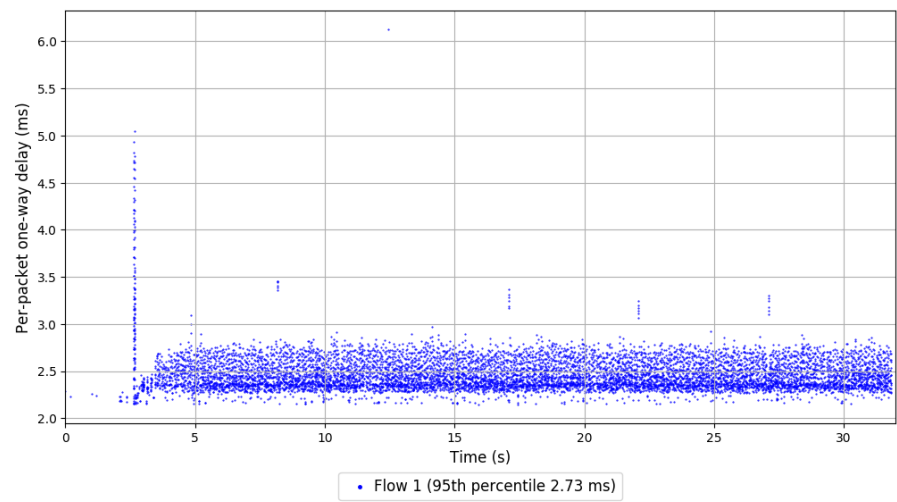
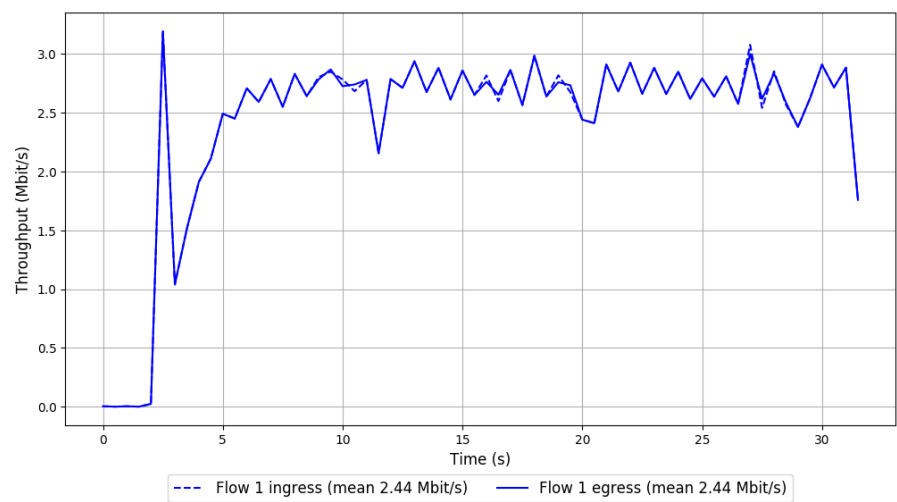
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.735 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-25 23:07:07

End at: 2018-01-25 23:07:37

Local clock offset: 0.077 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.757 ms

Loss rate: 0.00%

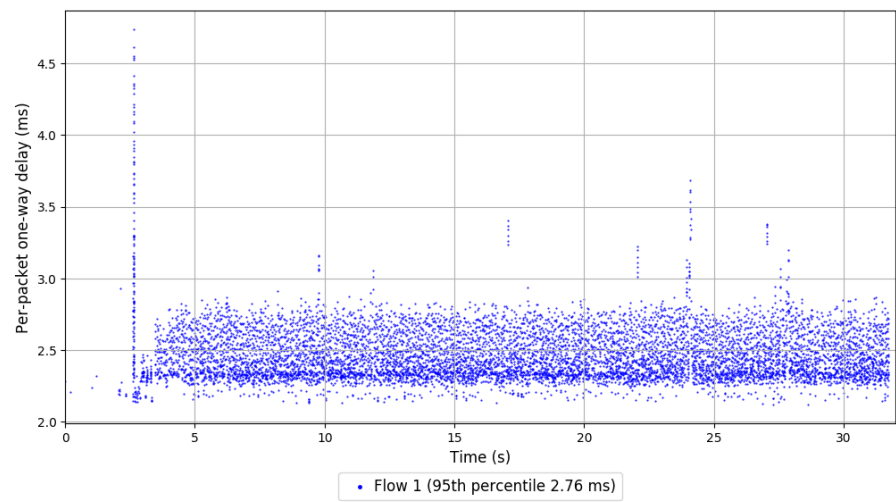
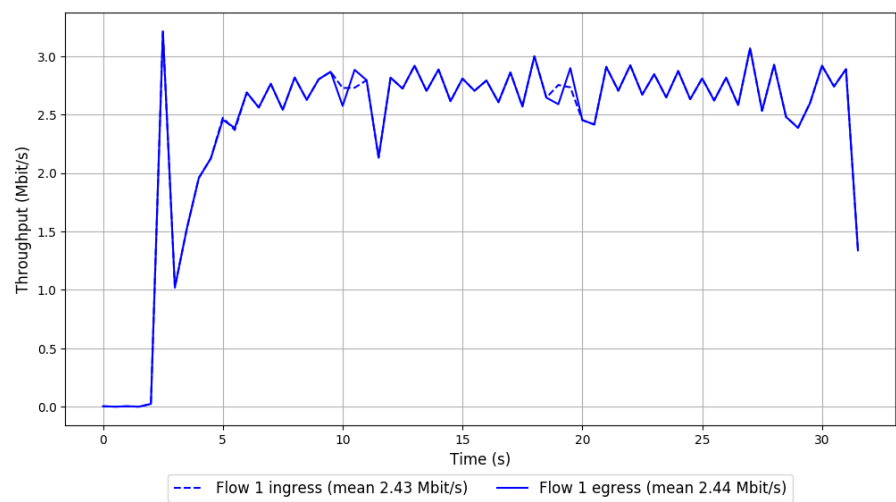
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.757 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-25 23:25:11

End at: 2018-01-25 23:25:41

Local clock offset: 0.028 ms

Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 2.766 ms

Loss rate: 0.00%

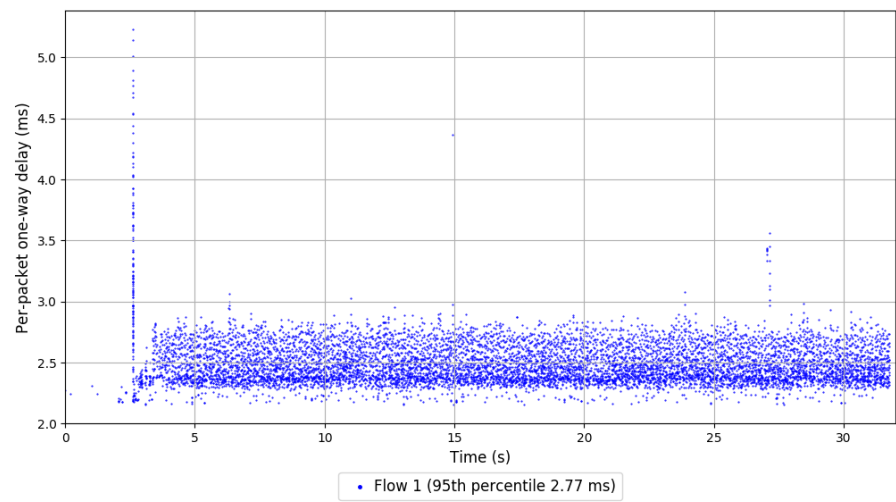
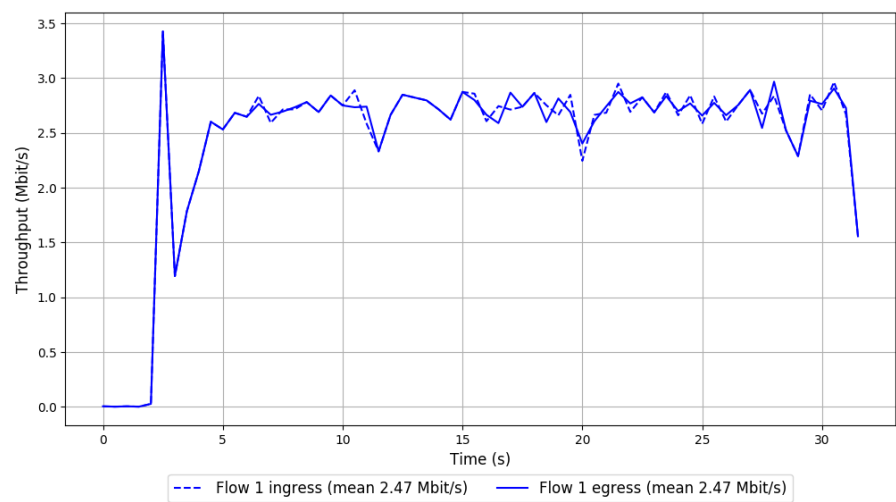
-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 2.766 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

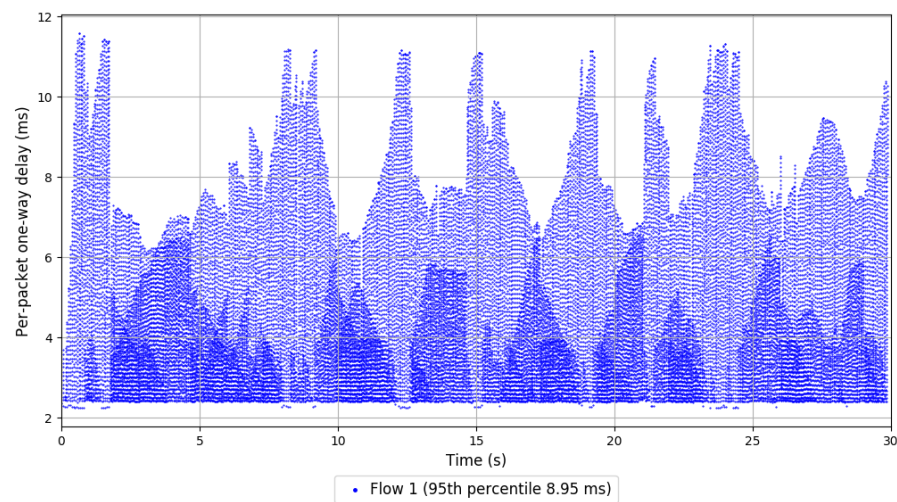
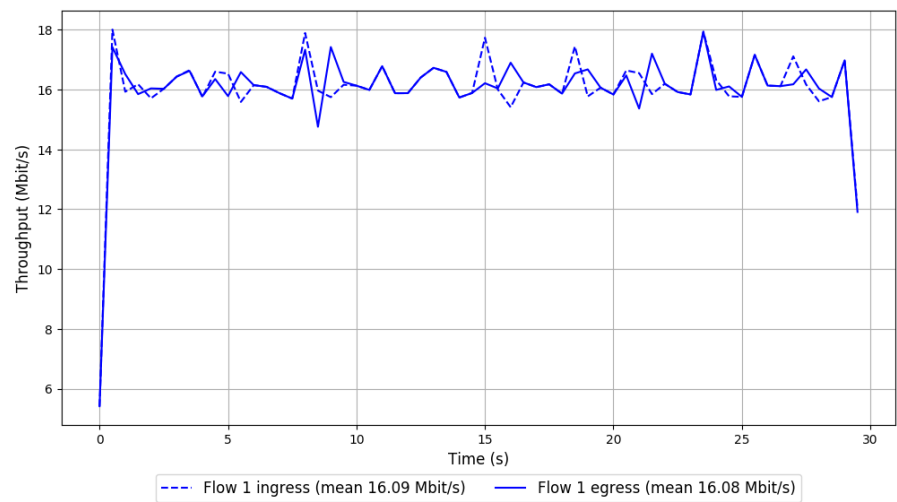


```
Run 1: Statistics of Sprout

Start at: 2018-01-25 20:32:34
End at: 2018-01-25 20:33:04
Local clock offset: 0.829 ms
Remote clock offset: 0.839 ms

# Below is generated by plot.py at 2018-01-26 09:54:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 8.953 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 8.953 ms
Loss rate: 0.01%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-25 20:50:38

End at: 2018-01-25 20:51:08

Local clock offset: 0.958 ms

Remote clock offset: 0.765 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 11.389 ms

Loss rate: 0.04%

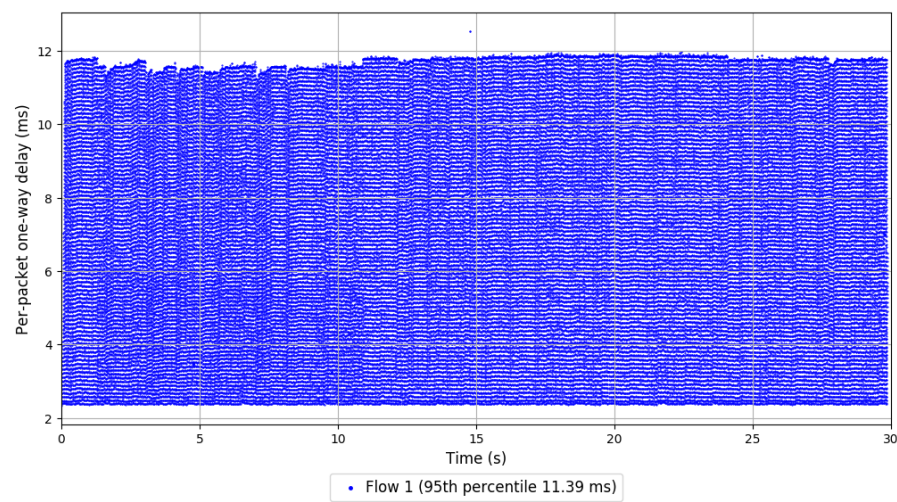
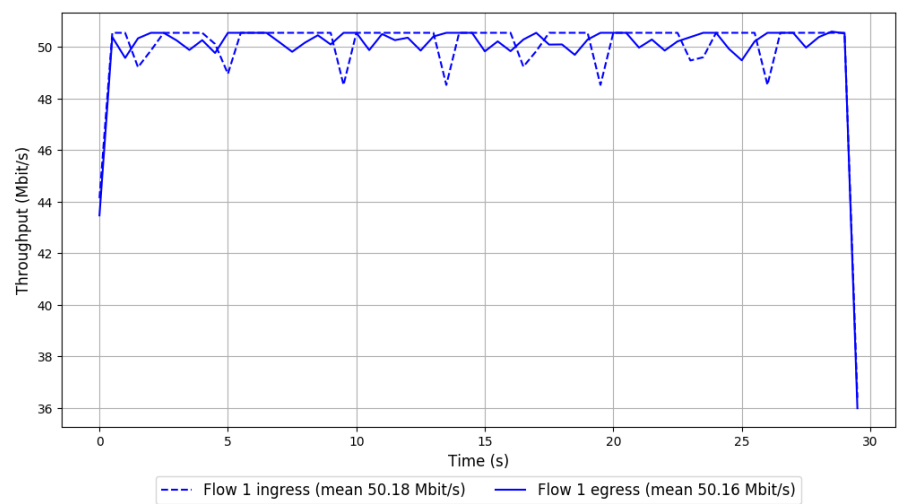
-- Flow 1:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 11.389 ms

Loss rate: 0.04%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-25 21:08:39

End at: 2018-01-25 21:09:09

Local clock offset: 0.654 ms

Remote clock offset: 0.902 ms

Below is generated by plot.py at 2018-01-26 09:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.01 Mbit/s

95th percentile per-packet one-way delay: 8.475 ms

Loss rate: 0.00%

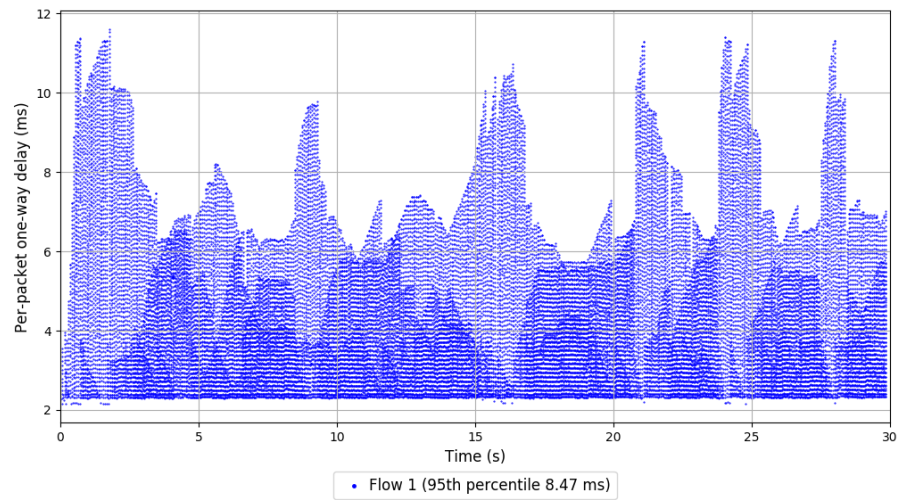
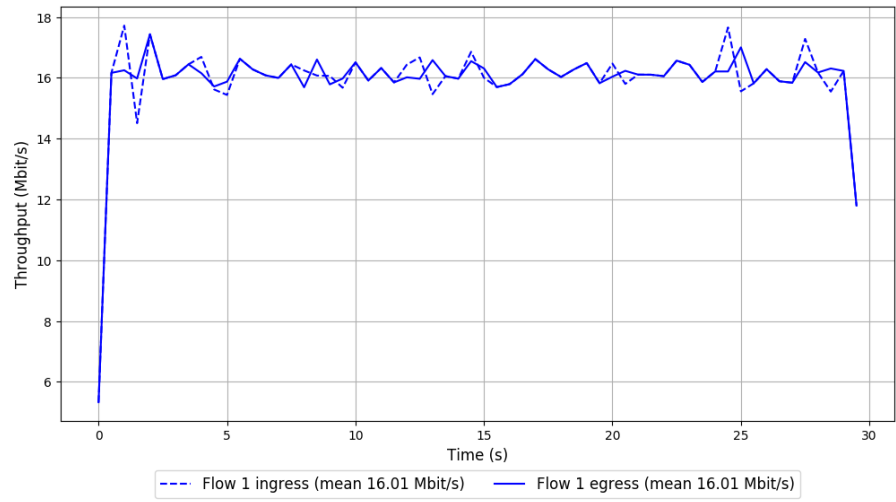
-- Flow 1:

Average throughput: 16.01 Mbit/s

95th percentile per-packet one-way delay: 8.475 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

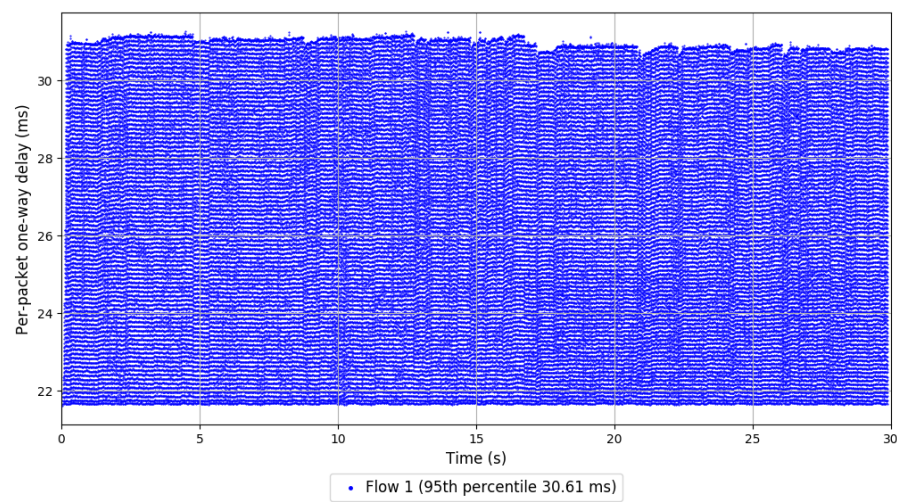
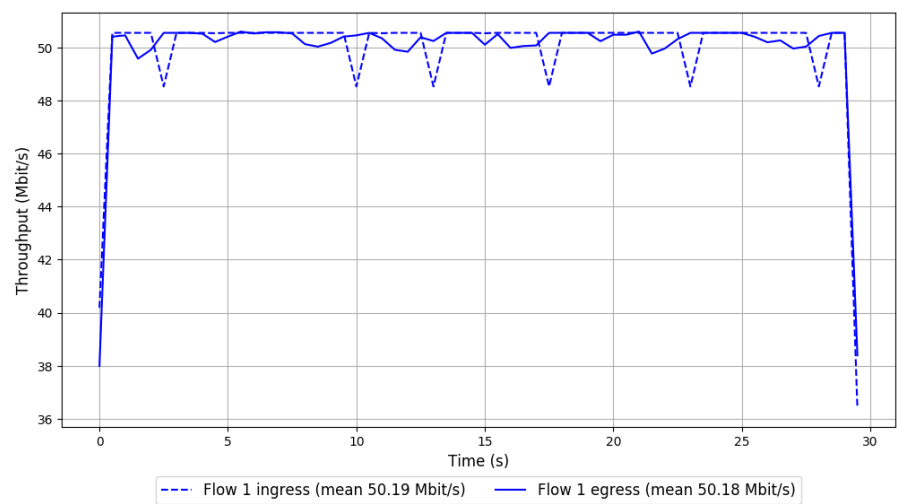


Run 4: Statistics of Sprout

Start at: 2018-01-25 21:26:43
End at: 2018-01-25 21:27:13
Local clock offset: 0.563 ms
Remote clock offset: -18.294 ms

Below is generated by plot.py at 2018-01-26 09:54:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-25 21:44:47

End at: 2018-01-25 21:45:17

Local clock offset: 0.393 ms

Remote clock offset: 1.049 ms

Below is generated by plot.py at 2018-01-26 09:54:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.13 Mbit/s

95th percentile per-packet one-way delay: 11.085 ms

Loss rate: 0.06%

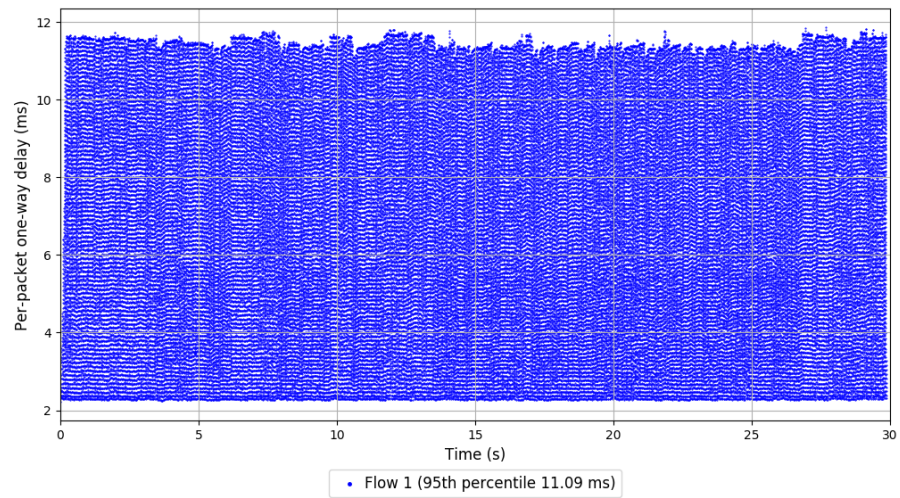
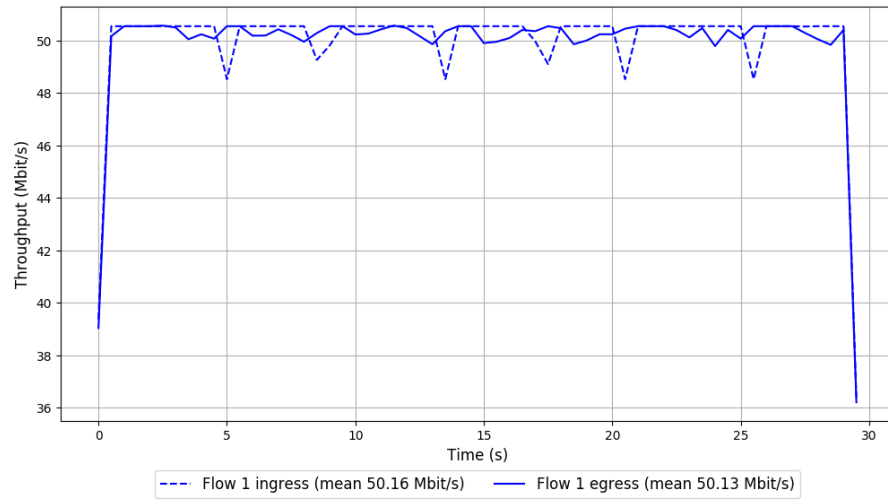
-- Flow 1:

Average throughput: 50.13 Mbit/s

95th percentile per-packet one-way delay: 11.085 ms

Loss rate: 0.06%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-25 22:02:47

End at: 2018-01-25 22:03:17

Local clock offset: 0.312 ms

Remote clock offset: 0.995 ms

Below is generated by plot.py at 2018-01-26 09:54:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.04 Mbit/s

95th percentile per-packet one-way delay: 9.684 ms

Loss rate: 0.00%

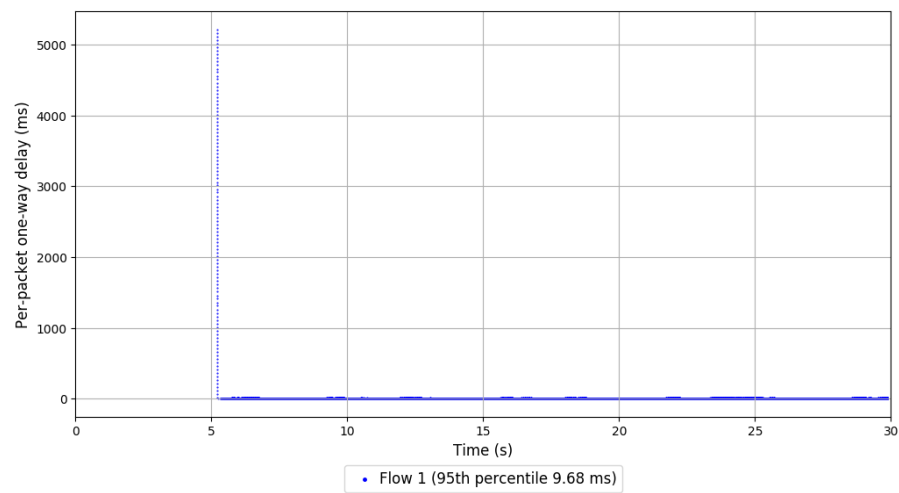
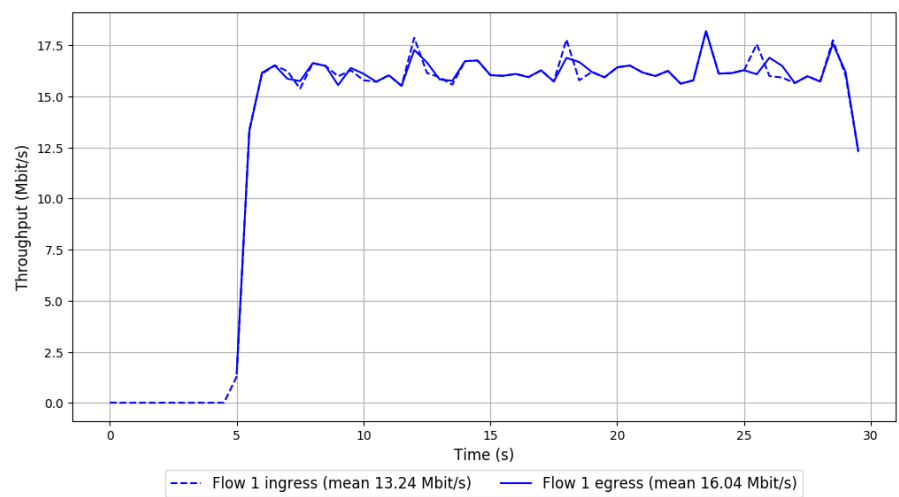
-- Flow 1:

Average throughput: 16.04 Mbit/s

95th percentile per-packet one-way delay: 9.684 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-25 22:20:50

End at: 2018-01-25 22:21:20

Local clock offset: 0.283 ms

Remote clock offset: 0.68 ms

Below is generated by plot.py at 2018-01-26 09:54:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 11.248 ms

Loss rate: 0.07%

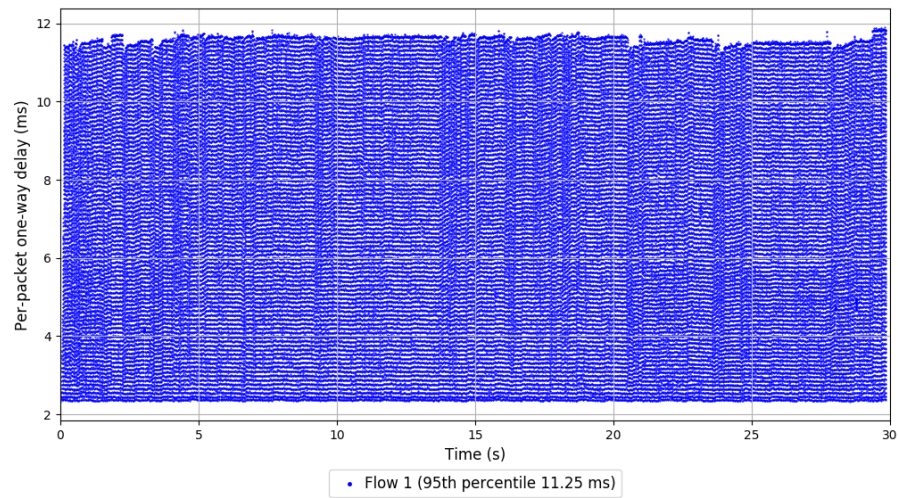
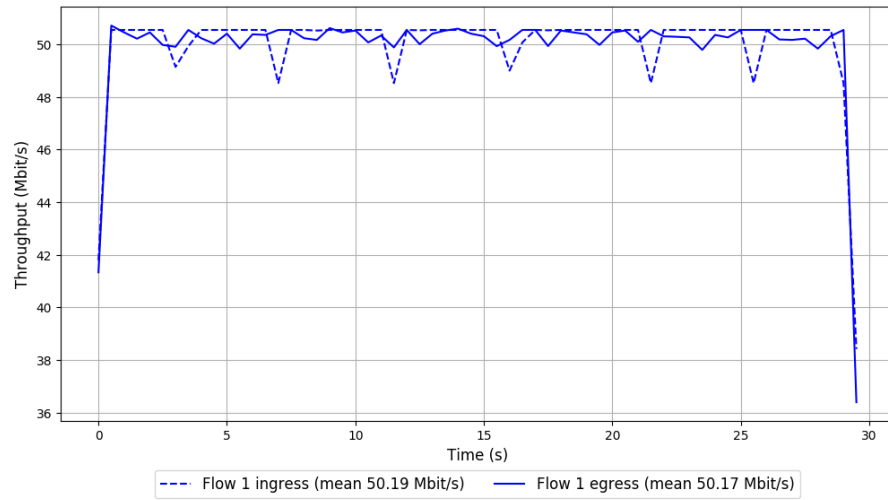
-- Flow 1:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 11.248 ms

Loss rate: 0.07%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-25 22:38:56

End at: 2018-01-25 22:39:26

Local clock offset: 0.186 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2018-01-26 09:54:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.75 Mbit/s

95th percentile per-packet one-way delay: 11.157 ms

Loss rate: 0.00%

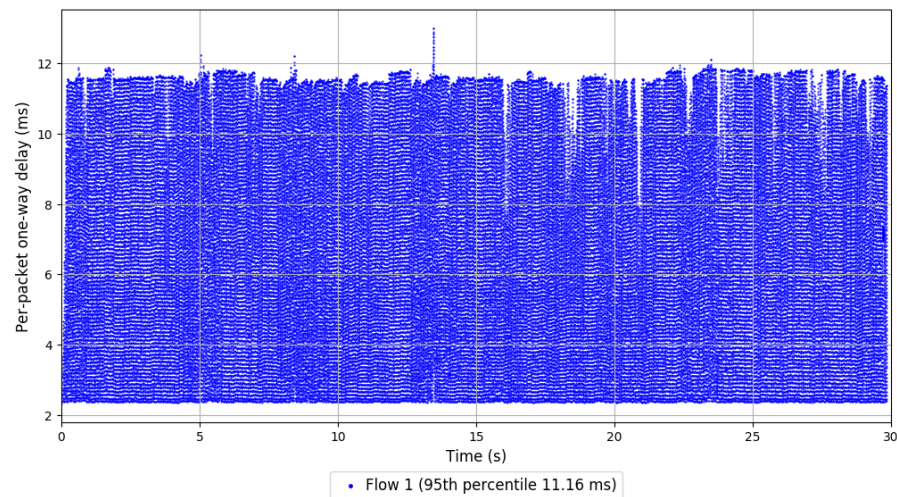
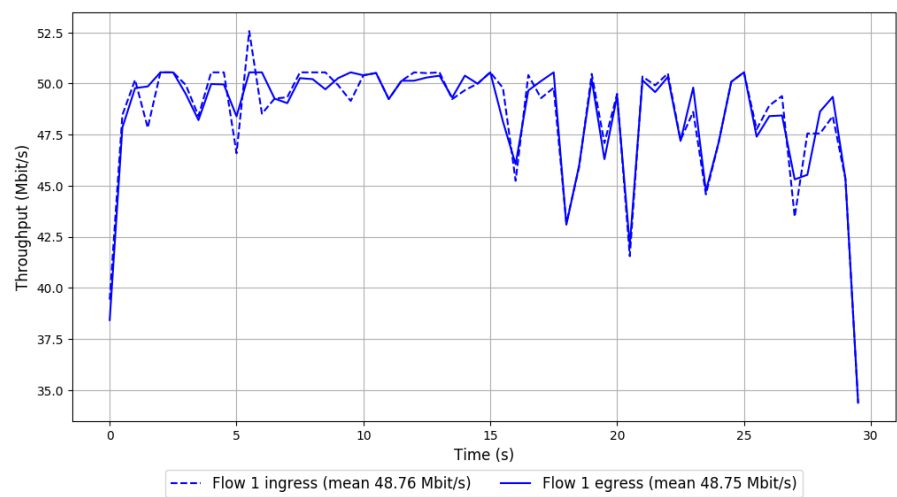
-- Flow 1:

Average throughput: 48.75 Mbit/s

95th percentile per-packet one-way delay: 11.157 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-25 22:56:57

End at: 2018-01-25 22:57:27

Local clock offset: 0.191 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-01-26 09:54:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.11 Mbit/s

95th percentile per-packet one-way delay: 11.412 ms

Loss rate: 0.00%

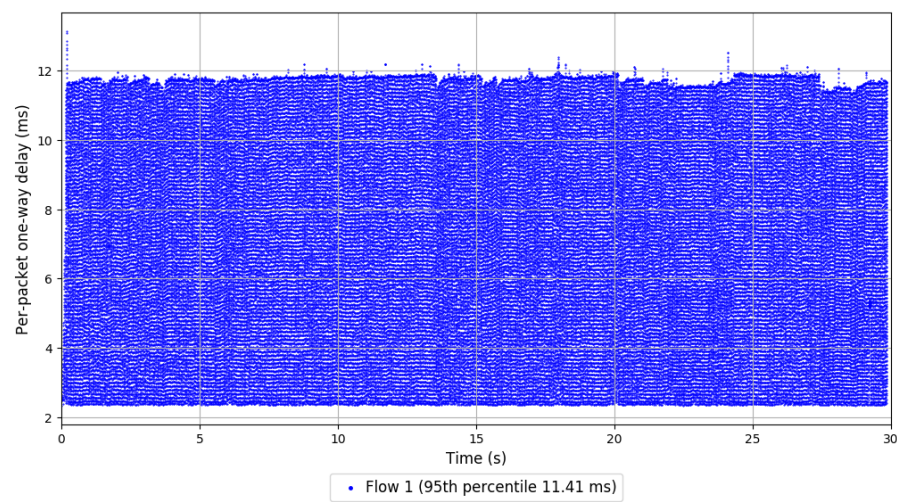
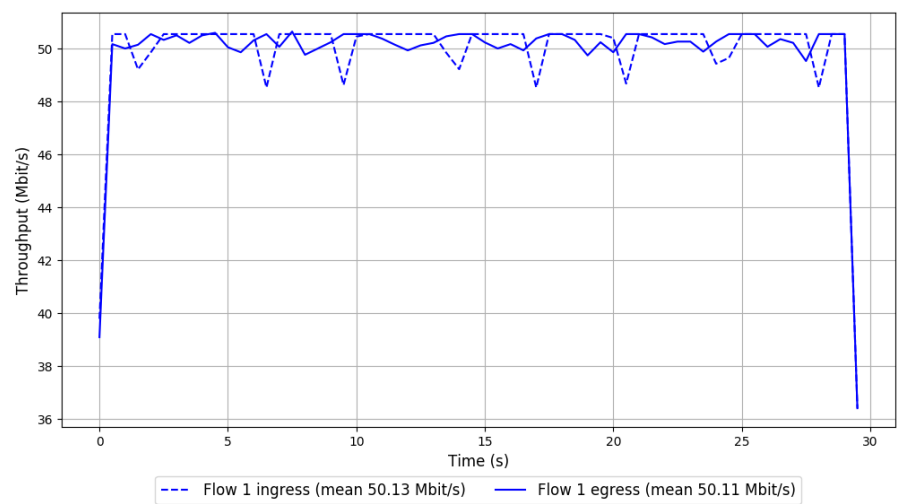
-- Flow 1:

Average throughput: 50.11 Mbit/s

95th percentile per-packet one-way delay: 11.412 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

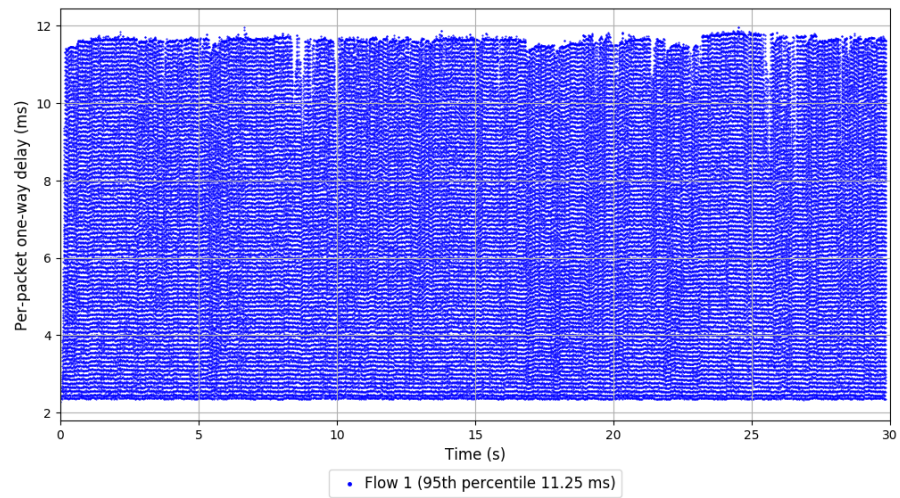
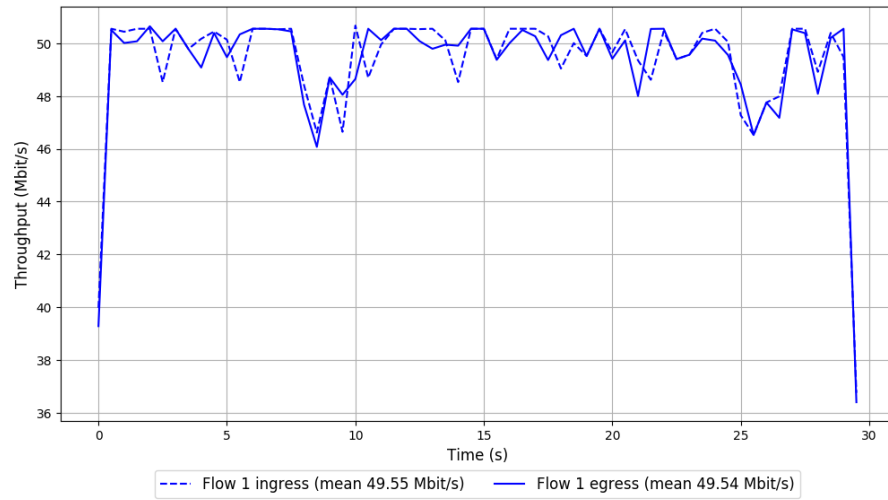


Run 10: Statistics of Sprout

Start at: 2018-01-25 23:15:01
End at: 2018-01-25 23:15:31
Local clock offset: 0.101 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-01-26 09:54:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 11.249 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 11.249 ms
Loss rate: 0.04%

Run 10: Report of Sprout — Data Link

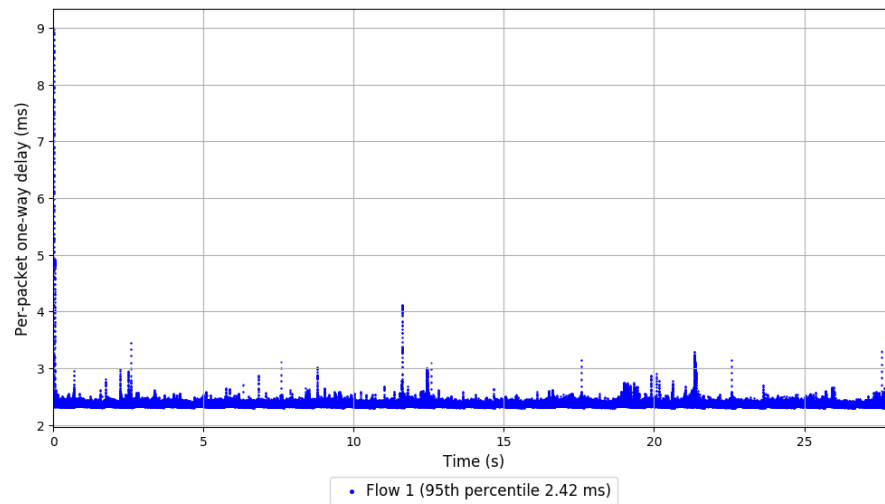
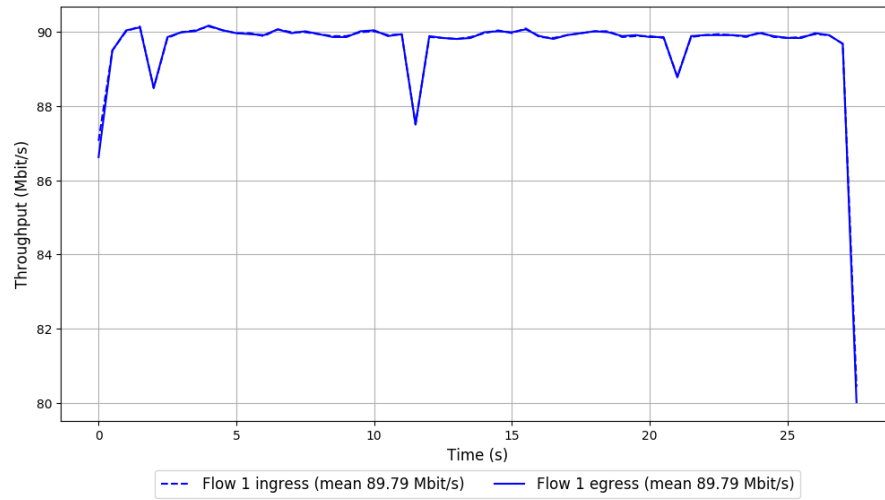


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-25 20:35:57
End at: 2018-01-25 20:36:27
Local clock offset: 0.877 ms
Remote clock offset: 0.879 ms

# Below is generated by plot.py at 2018-01-26 09:56:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 2.425 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 2.425 ms
Loss rate: 0.02%
```


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

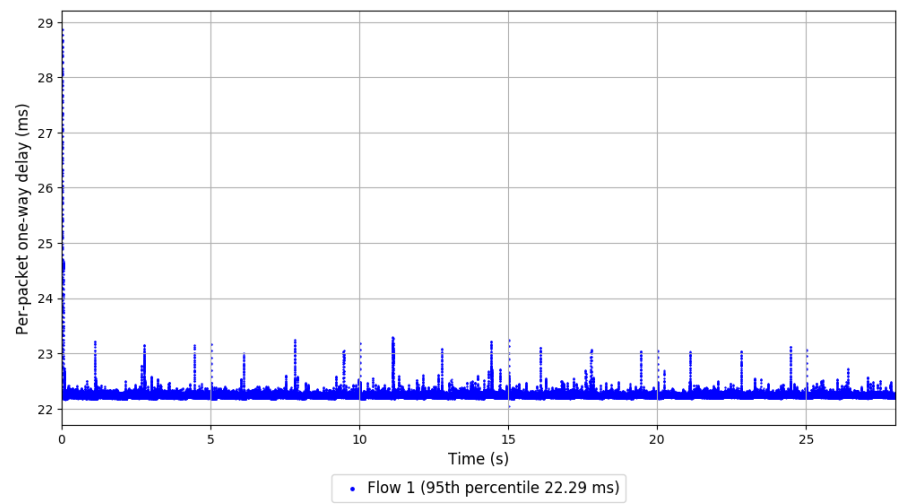
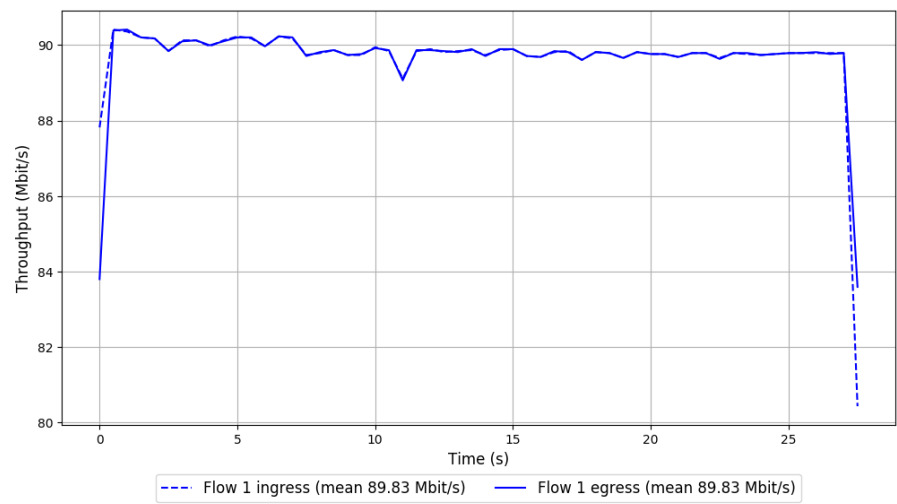


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-25 20:54:01
End at: 2018-01-25 20:54:31
Local clock offset: 0.998 ms
Remote clock offset: -19.06 ms

Below is generated by plot.py at 2018-01-26 09:56:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 22.289 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 22.289 ms
Loss rate: 0.02%

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



Run 3: Statistics of TaoVA-100x

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

End at: 2018-01-25 21:12:32

Local clock offset: 0.656 ms

Remote clock offset: 0.902 ms

Below is generated by plot.py at 2018-01-26 09:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.92 Mbit/s

95th percentile per-packet one-way delay: 2.427 ms

Loss rate: 0.02%

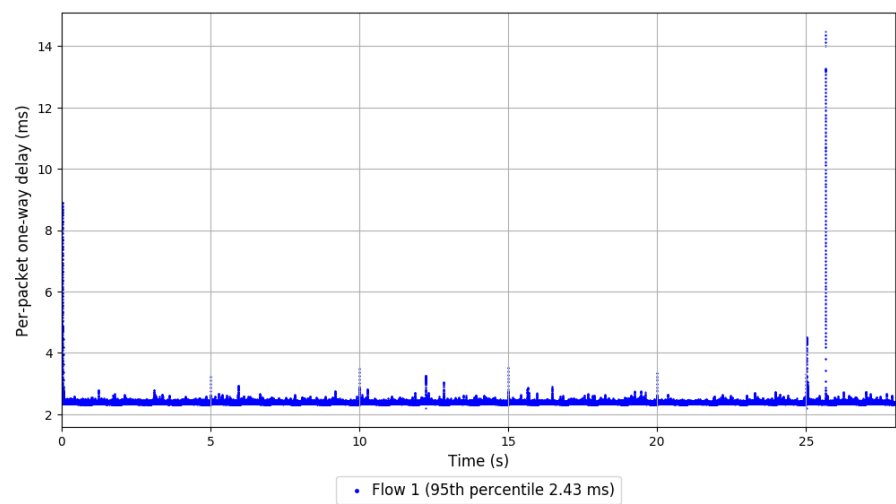
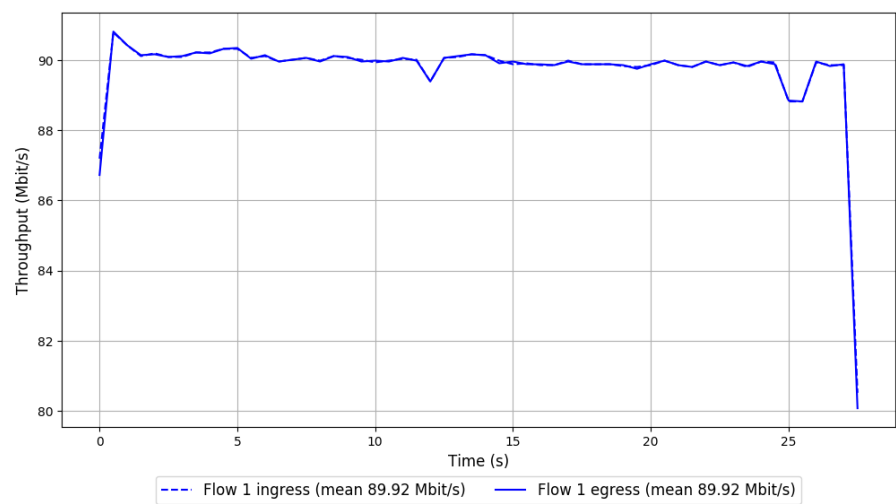
-- Flow 1:

Average throughput: 89.92 Mbit/s

95th percentile per-packet one-way delay: 2.427 ms

Loss rate: 0.02%

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

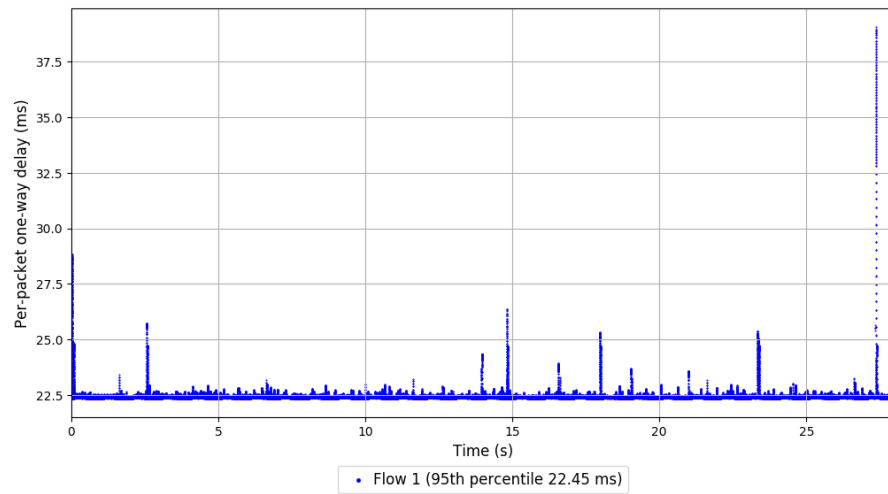
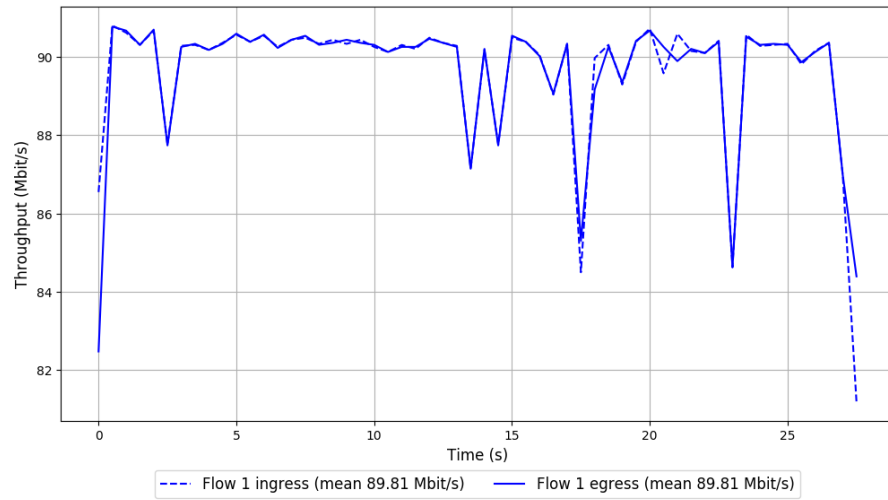


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-25 21:30:07
End at: 2018-01-25 21:30:37
Local clock offset: 0.551 ms
Remote clock offset: -18.994 ms

Below is generated by plot.py at 2018-01-26 09:56:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 22.455 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 22.455 ms
Loss rate: 0.02%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-25 21:48:04

End at: 2018-01-25 21:48:34

Local clock offset: 0.439 ms

Remote clock offset: 1.019 ms

Below is generated by plot.py at 2018-01-26 09:57:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 2.666 ms

Loss rate: 0.02%

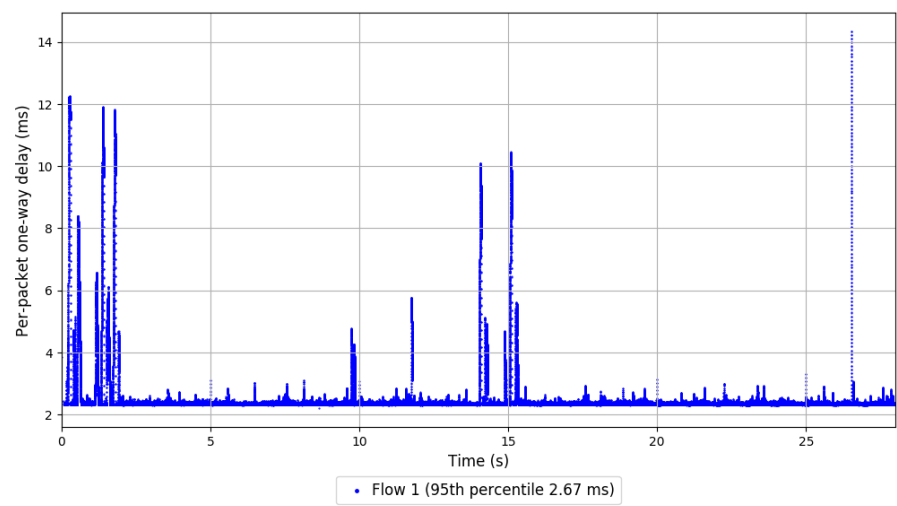
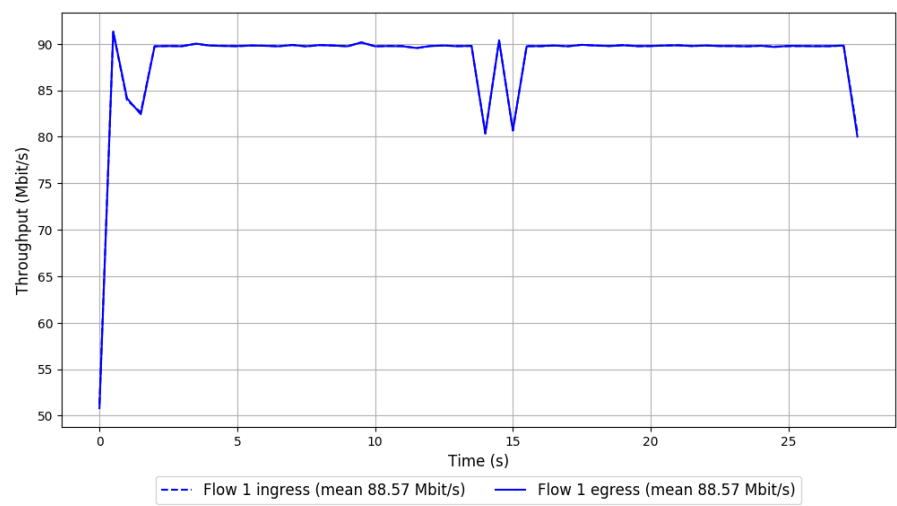
-- Flow 1:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 2.666 ms

Loss rate: 0.02%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-25 22:06:09

End at: 2018-01-25 22:06:39

Local clock offset: 0.359 ms

Remote clock offset: 0.95 ms

Below is generated by plot.py at 2018-01-26 09:57:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.12 Mbit/s

95th percentile per-packet one-way delay: 3.724 ms

Loss rate: 0.02%

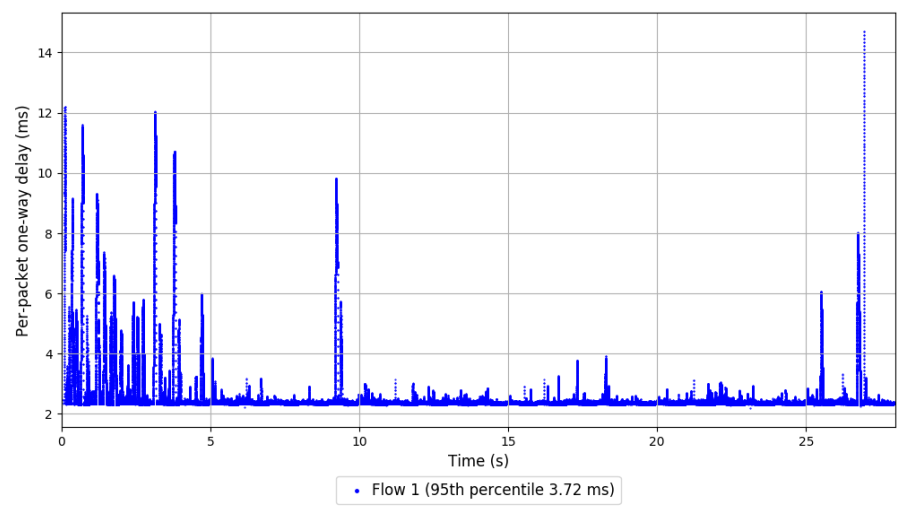
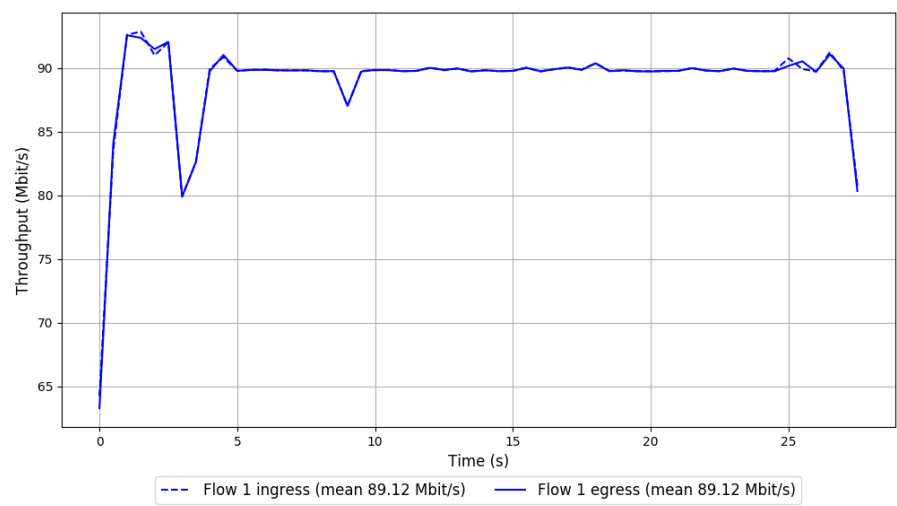
-- Flow 1:

Average throughput: 89.12 Mbit/s

95th percentile per-packet one-way delay: 3.724 ms

Loss rate: 0.02%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-25 22:24:13

End at: 2018-01-25 22:24:43

Local clock offset: 0.269 ms

Remote clock offset: 0.636 ms

Below is generated by plot.py at 2018-01-26 09:57:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.02%

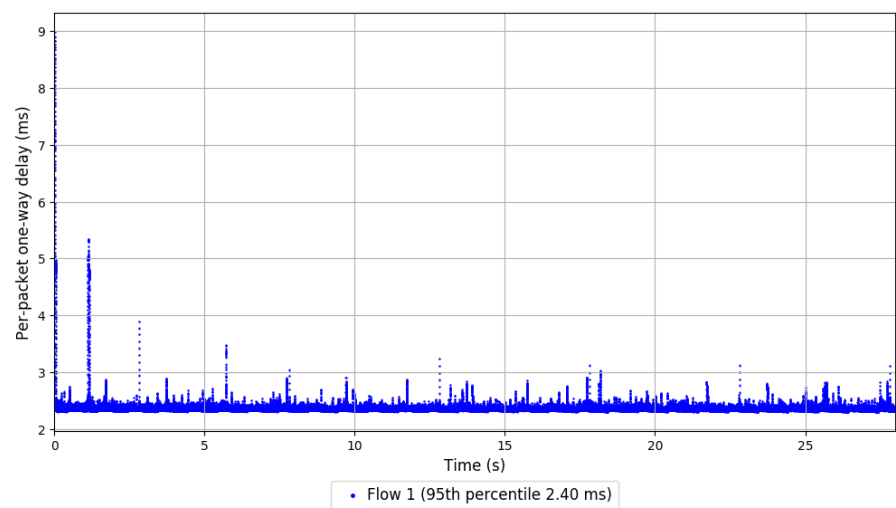
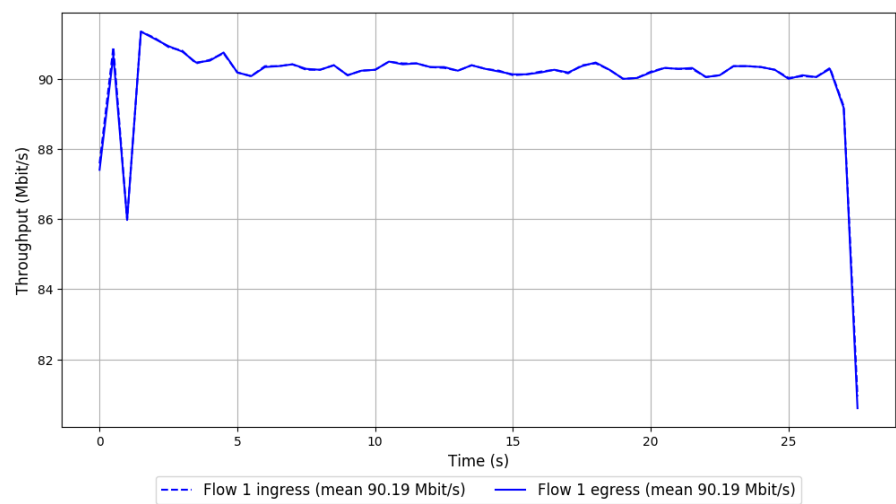
-- Flow 1:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.02%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-25 22:42:19

End at: 2018-01-25 22:42:49

Local clock offset: 0.184 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2018-01-26 09:57:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.22 Mbit/s

95th percentile per-packet one-way delay: 2.407 ms

Loss rate: 0.02%

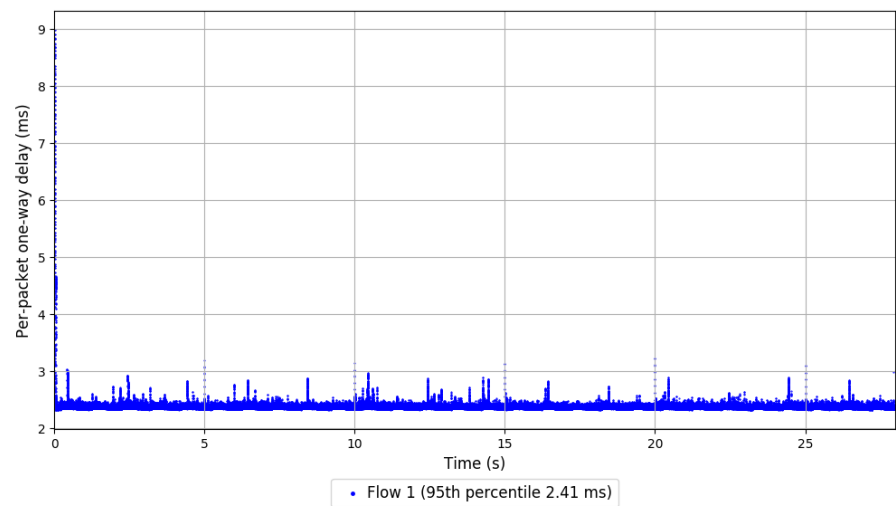
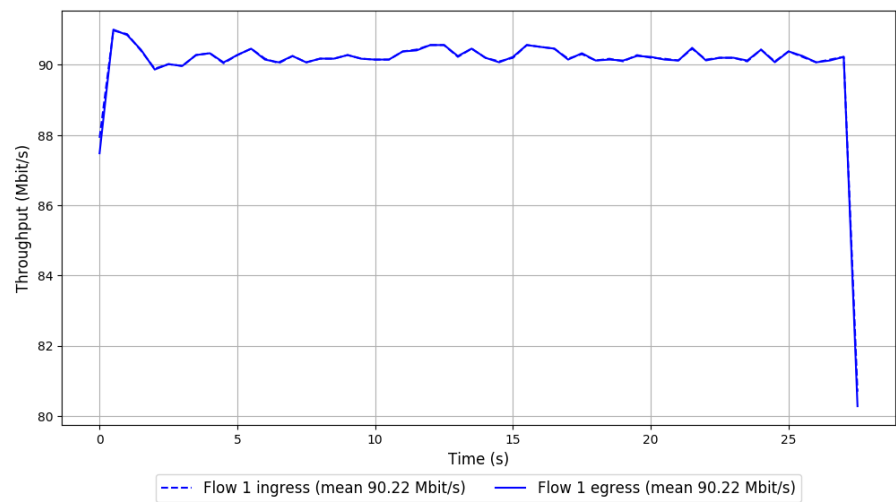
-- Flow 1:

Average throughput: 90.22 Mbit/s

95th percentile per-packet one-way delay: 2.407 ms

Loss rate: 0.02%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-25 23:00:19

End at: 2018-01-25 23:00:49

Local clock offset: 0.178 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-01-26 09:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 2.471 ms

Loss rate: 0.02%

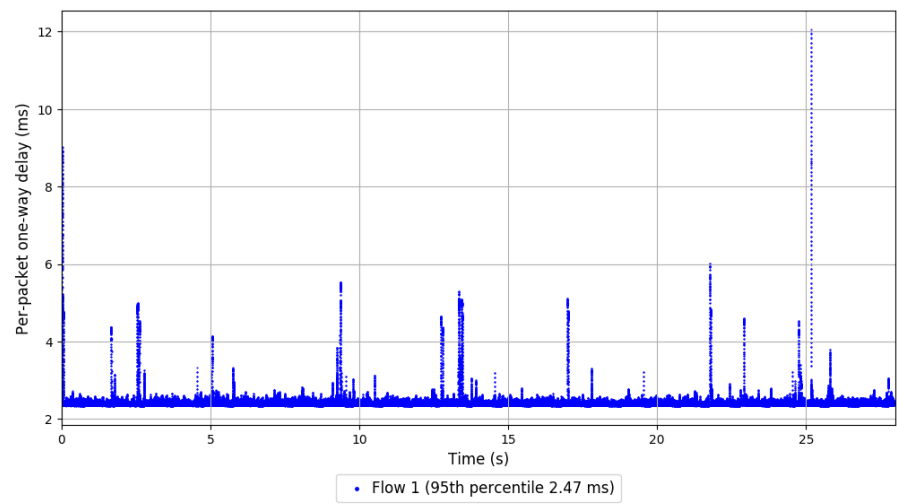
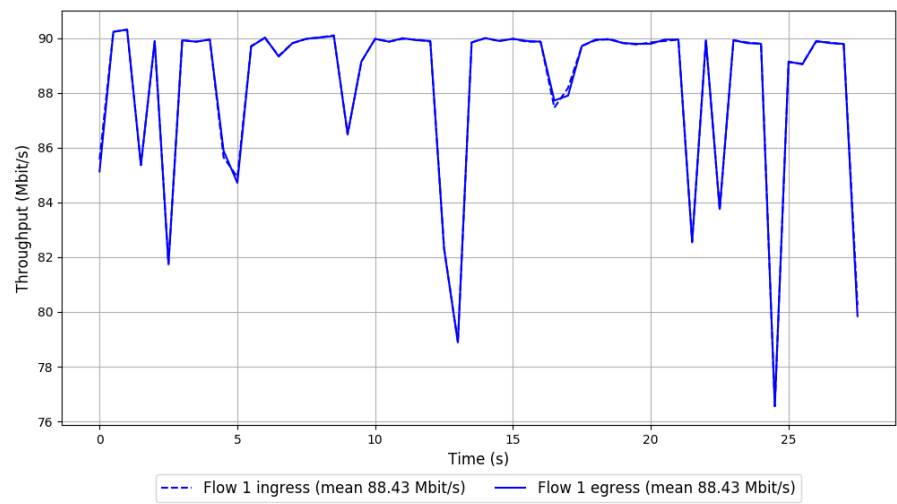
-- Flow 1:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 2.471 ms

Loss rate: 0.02%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-25 23:18:24

End at: 2018-01-25 23:18:54

Local clock offset: -0.0 ms

Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-01-26 09:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.54 Mbit/s

95th percentile per-packet one-way delay: 2.952 ms

Loss rate: 0.02%

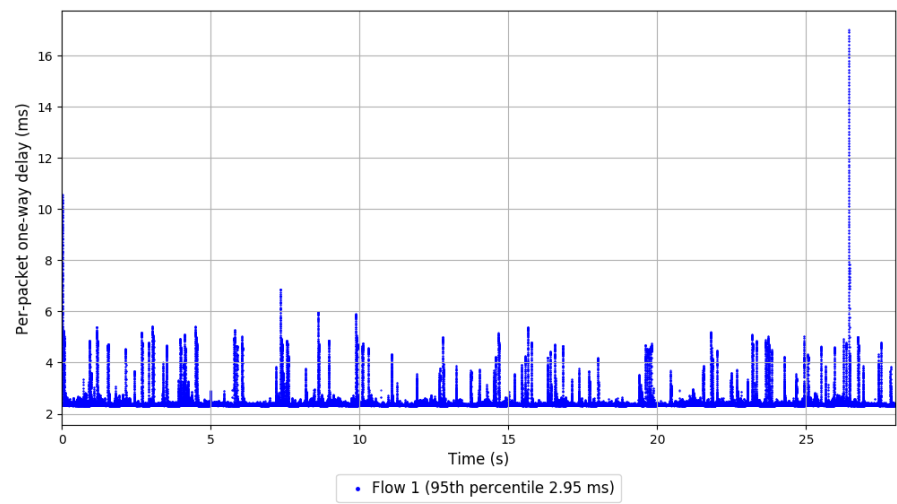
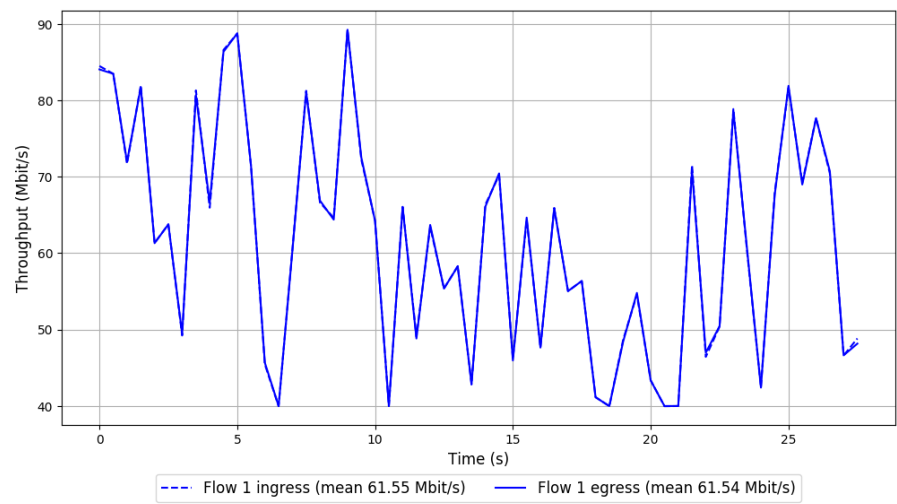
-- Flow 1:

Average throughput: 61.54 Mbit/s

95th percentile per-packet one-way delay: 2.952 ms

Loss rate: 0.02%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-25 20:33:39

End at: 2018-01-25 20:34:09

Local clock offset: 0.849 ms

Remote clock offset: 0.838 ms

Below is generated by plot.py at 2018-01-26 09:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.43 Mbit/s

95th percentile per-packet one-way delay: 3.528 ms

Loss rate: 0.02%

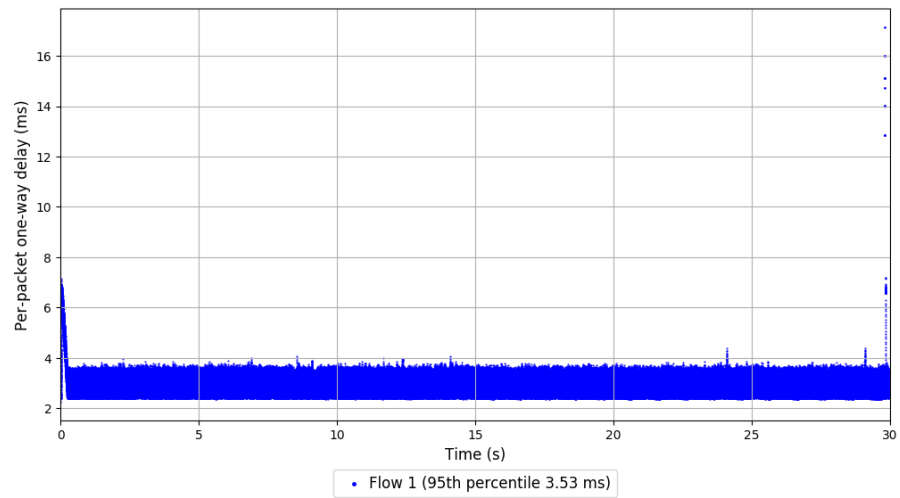
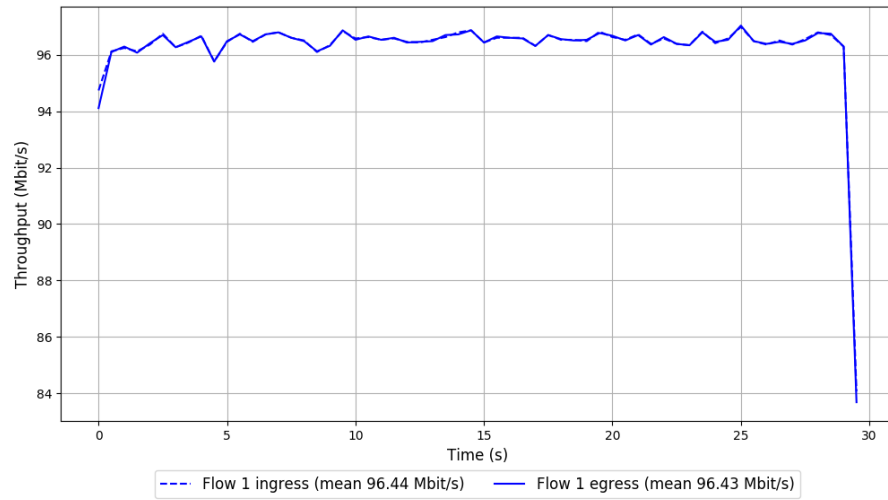
-- Flow 1:

Average throughput: 96.43 Mbit/s

95th percentile per-packet one-way delay: 3.528 ms

Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-25 20:51:43

End at: 2018-01-25 20:52:13

Local clock offset: 0.978 ms

Remote clock offset: 0.812 ms

Below is generated by plot.py at 2018-01-26 09:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 3.628 ms

Loss rate: 0.02%

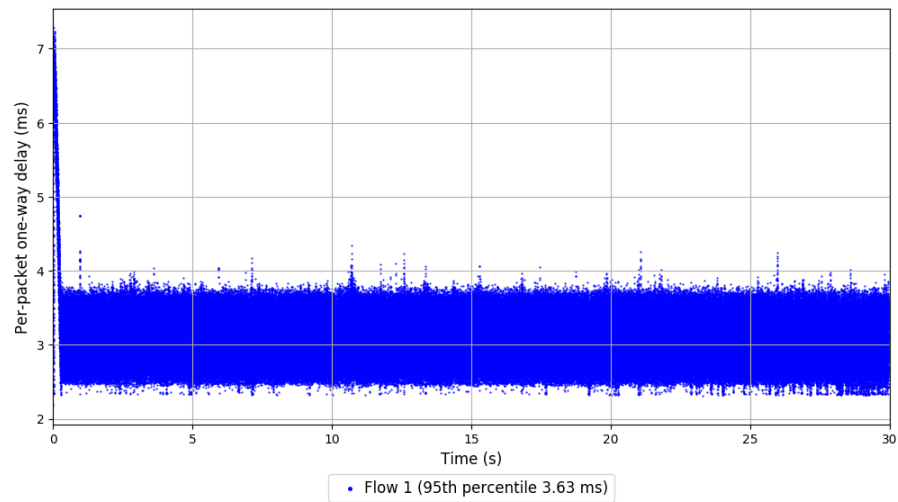
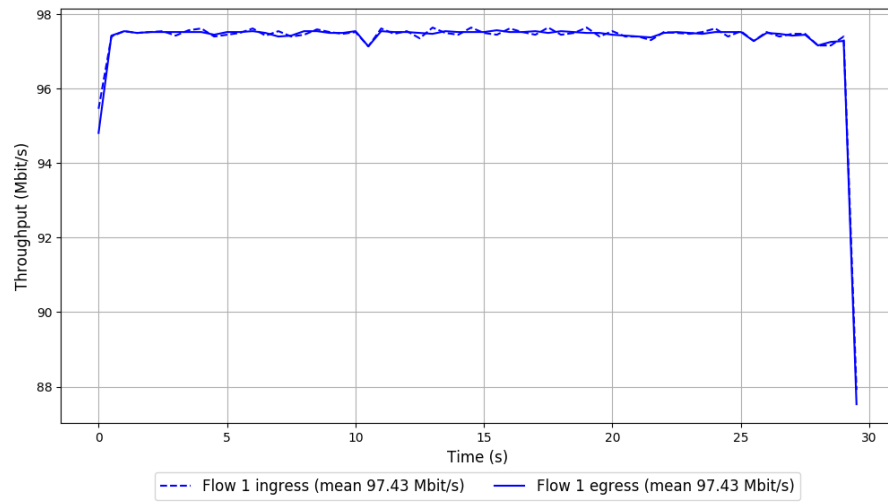
-- Flow 1:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 3.628 ms

Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-25 21:09:44

End at: 2018-01-25 21:10:14

Local clock offset: 0.674 ms

Remote clock offset: 0.928 ms

Below is generated by plot.py at 2018-01-26 09:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 3.426 ms

Loss rate: 0.02%

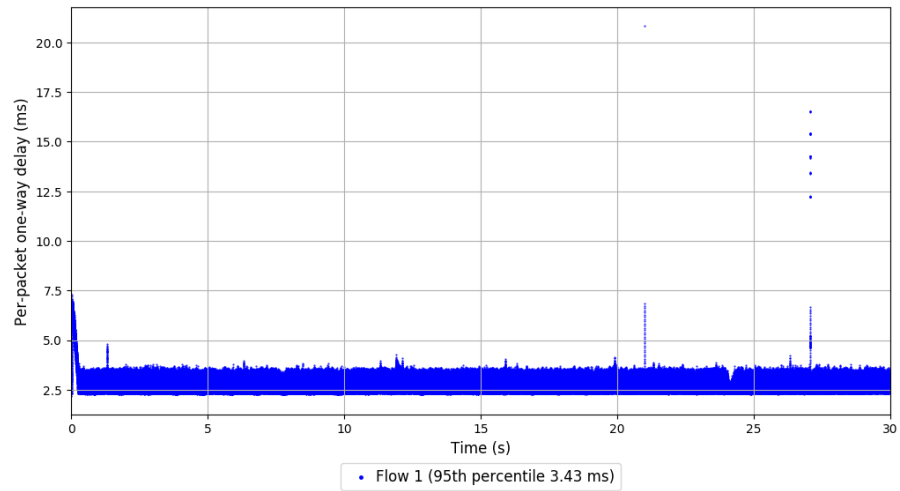
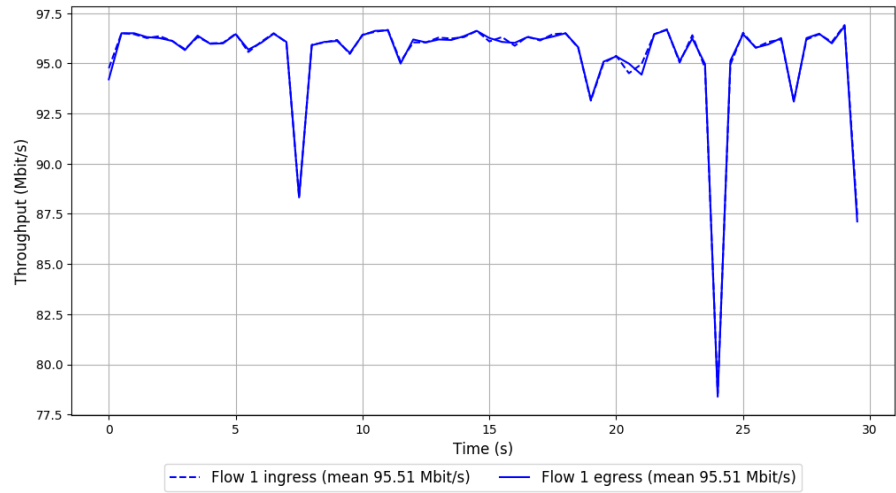
-- Flow 1:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 3.426 ms

Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-25 21:27:48

End at: 2018-01-25 21:28:19

Local clock offset: 0.514 ms

Remote clock offset: 1.032 ms

Below is generated by plot.py at 2018-01-26 09:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 3.582 ms

Loss rate: 0.02%

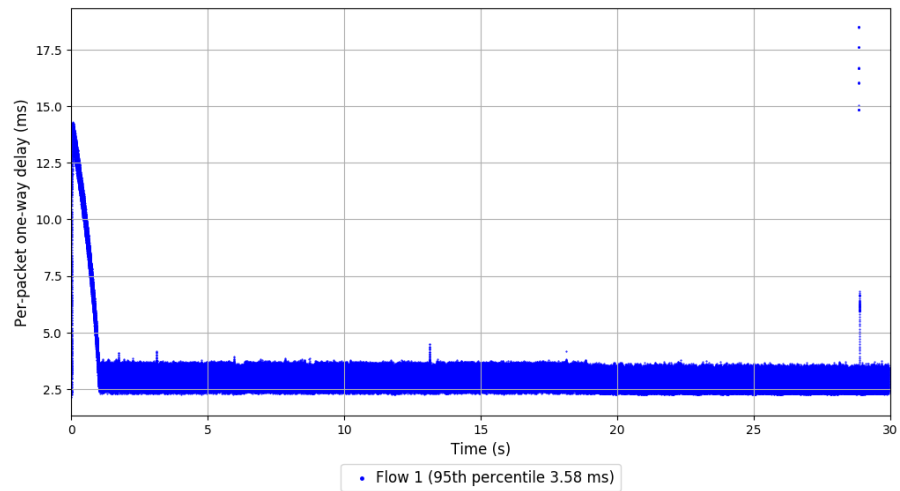
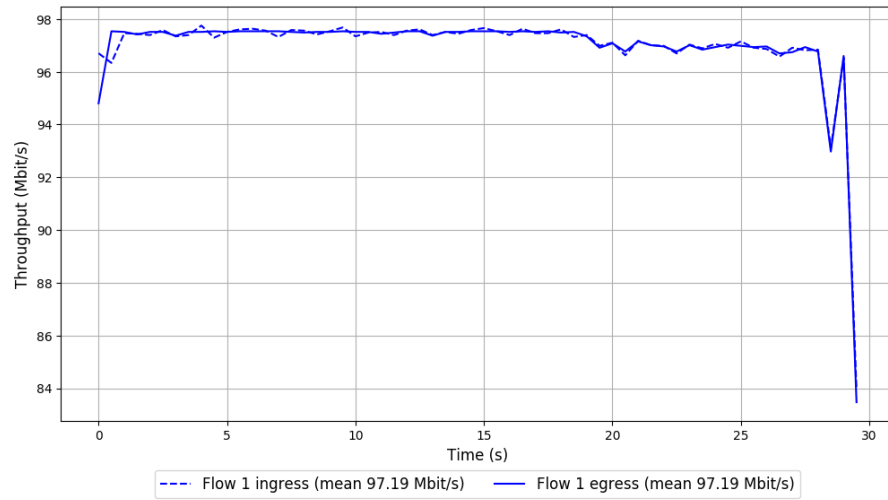
-- Flow 1:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 3.582 ms

Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-25 21:45:52

End at: 2018-01-25 21:46:22

Local clock offset: 0.442 ms

Remote clock offset: 1.036 ms

Below is generated by plot.py at 2018-01-26 09:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.84 Mbit/s

95th percentile per-packet one-way delay: 3.456 ms

Loss rate: 0.01%

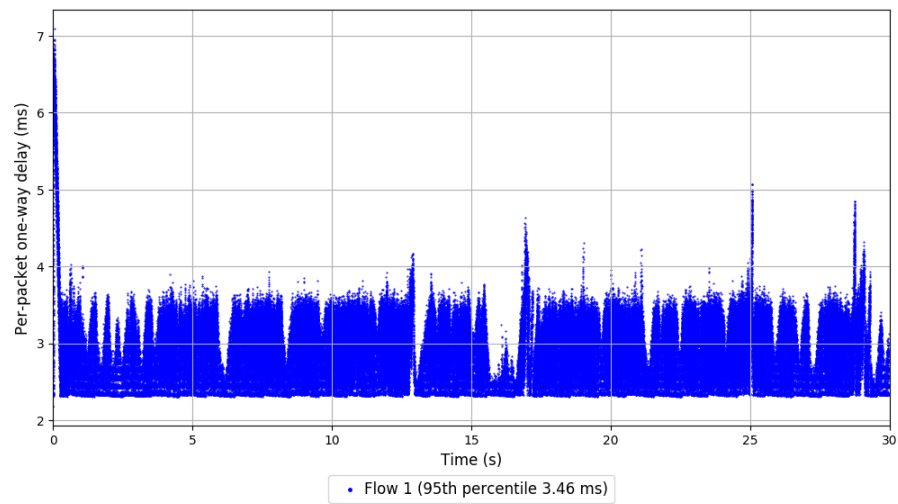
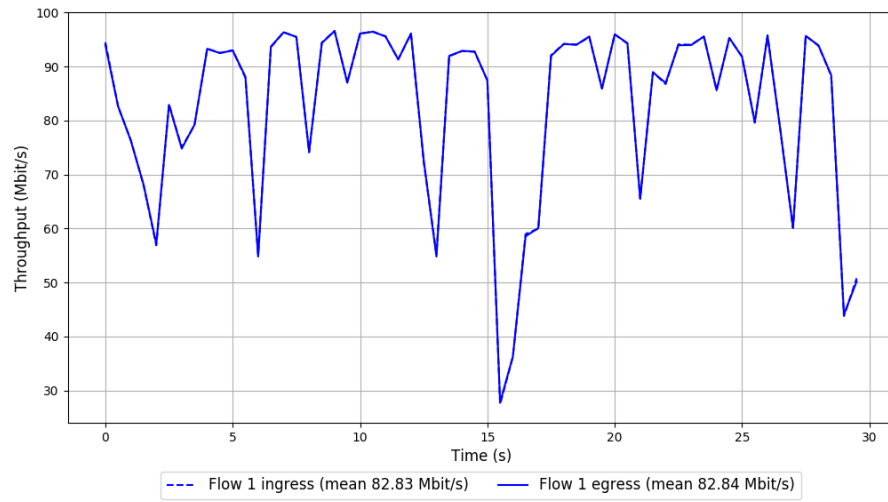
-- Flow 1:

Average throughput: 82.84 Mbit/s

95th percentile per-packet one-way delay: 3.456 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-25 22:03:51

End at: 2018-01-25 22:04:21

Local clock offset: 0.317 ms

Remote clock offset: 0.995 ms

Below is generated by plot.py at 2018-01-26 09:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 5.670 ms

Loss rate: 0.02%

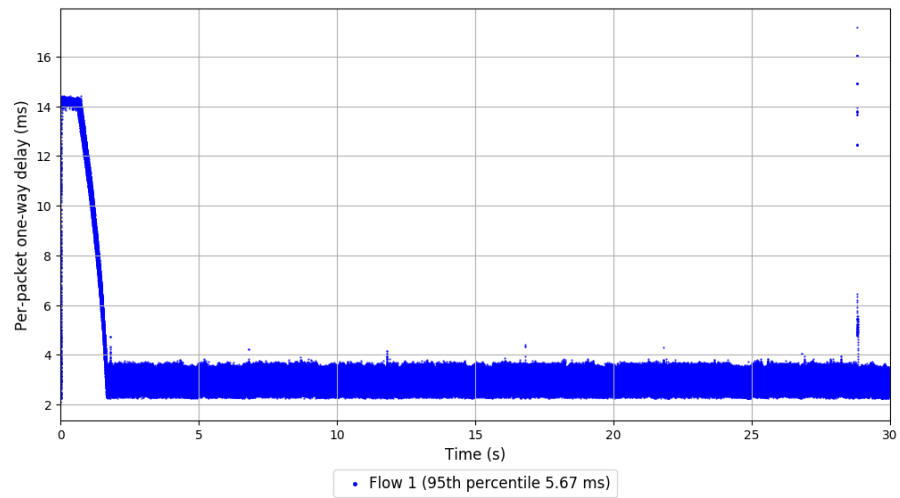
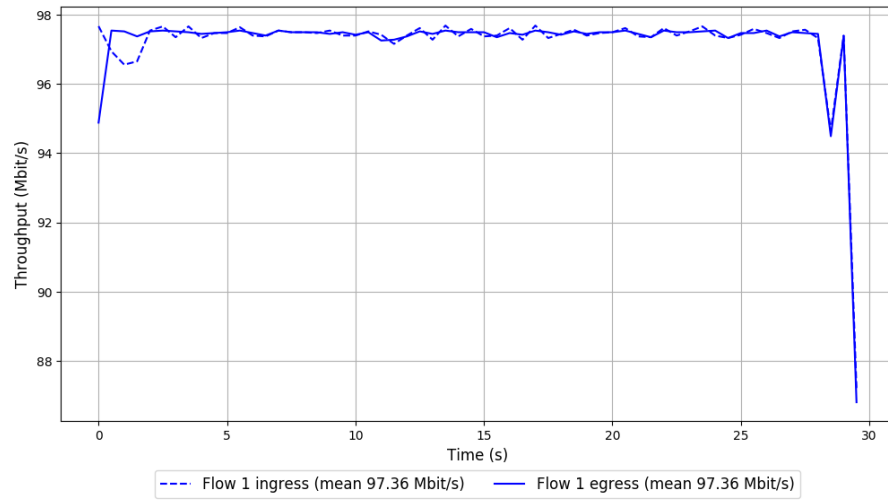
-- Flow 1:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 5.670 ms

Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-25 22:21:55

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

Local clock offset: 0.264 ms

Remote clock offset: 0.608 ms

Below is generated by plot.py at 2018-01-26 09:59:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 3.678 ms

Loss rate: 0.02%

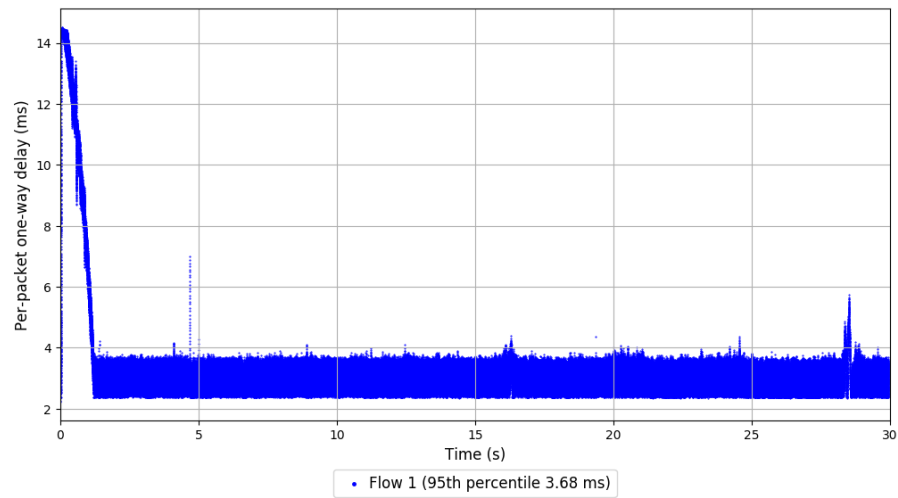
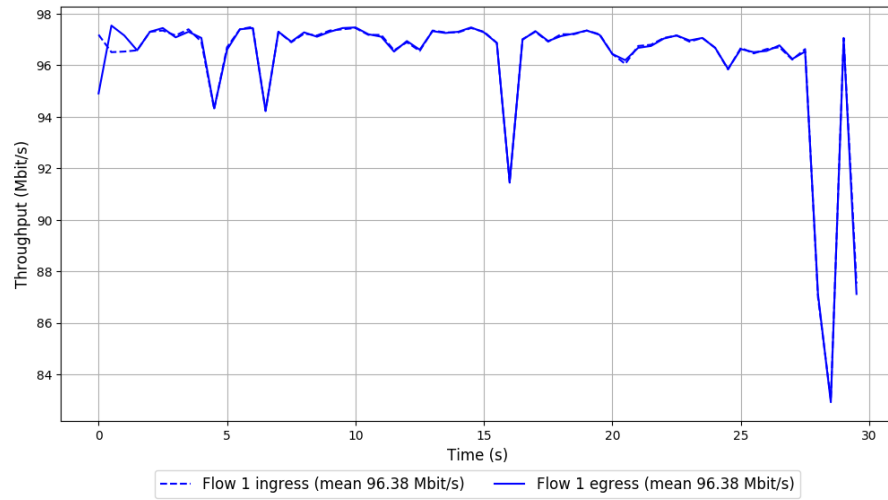
-- Flow 1:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 3.678 ms

Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-25 22:40:01

End at: 2018-01-25 22:40:31

Local clock offset: 0.196 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2018-01-26 09:59:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 3.579 ms

Loss rate: 0.02%

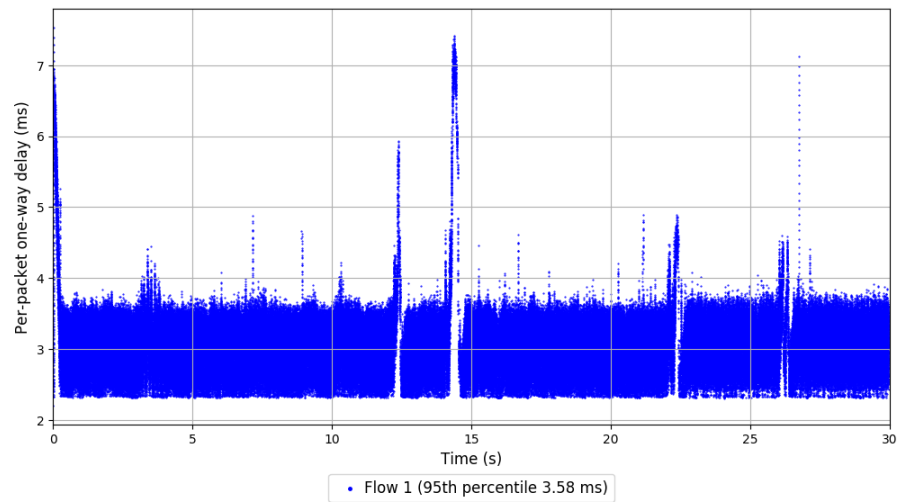
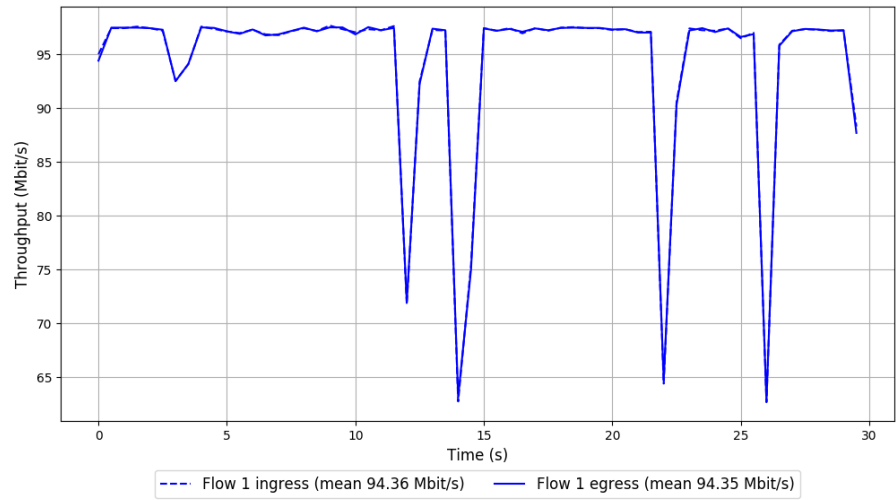
-- Flow 1:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 3.579 ms

Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-25 22:58:03

End at: 2018-01-25 22:58:33

Local clock offset: 0.162 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-01-26 09:59:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.76 Mbit/s

95th percentile per-packet one-way delay: 14.318 ms

Loss rate: 0.00%

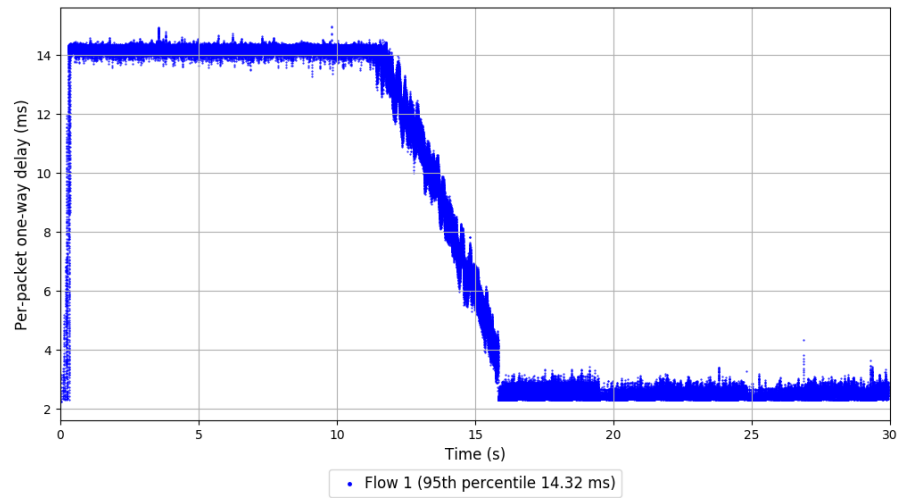
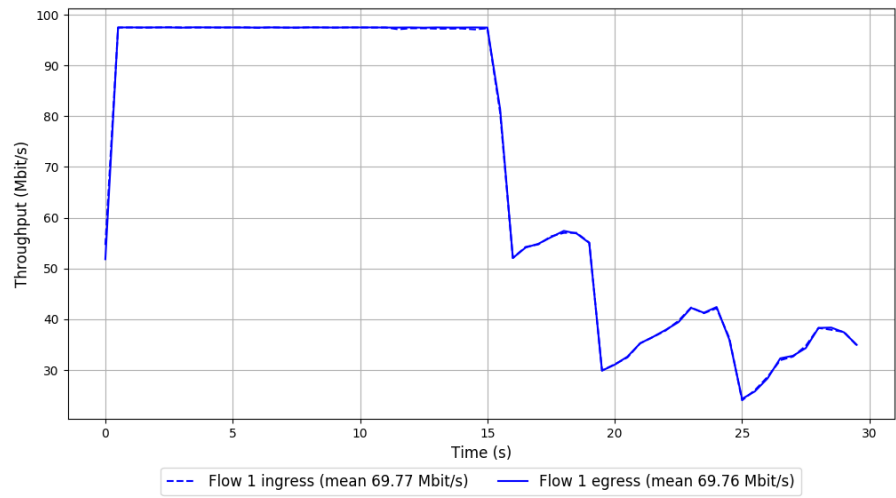
-- Flow 1:

Average throughput: 69.76 Mbit/s

95th percentile per-packet one-way delay: 14.318 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-25 23:16:06

End at: 2018-01-25 23:16:36

Local clock offset: 0.088 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-01-26 09:59:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.10 Mbit/s

95th percentile per-packet one-way delay: 3.565 ms

Loss rate: 0.02%

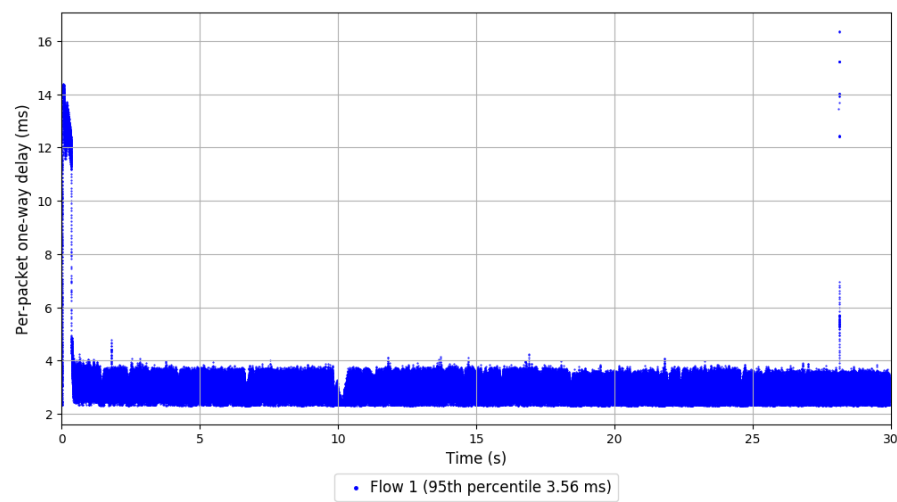
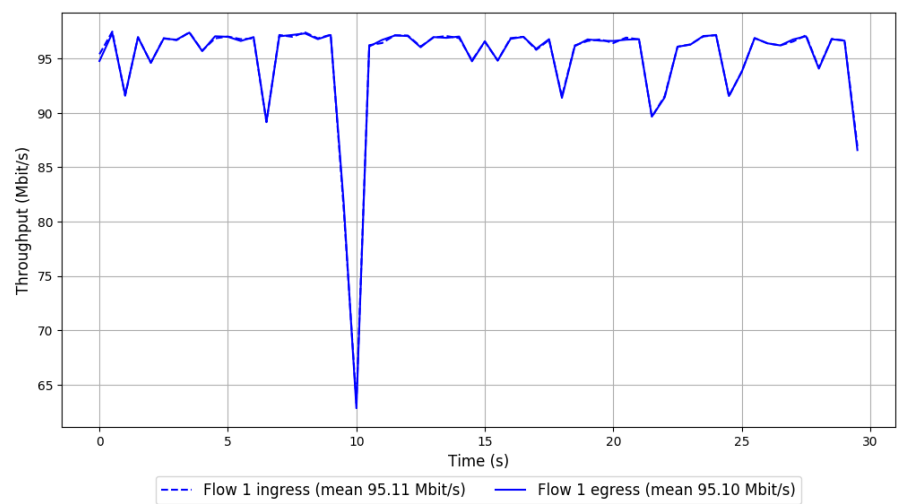
-- Flow 1:

Average throughput: 95.10 Mbit/s

95th percentile per-packet one-way delay: 3.565 ms

Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-25 20:37:07

End at: 2018-01-25 20:37:38

Local clock offset: 0.873 ms

Remote clock offset: 0.873 ms

Below is generated by plot.py at 2018-01-26 09:59:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.00 Mbit/s

95th percentile per-packet one-way delay: 9.791 ms

Loss rate: 0.04%

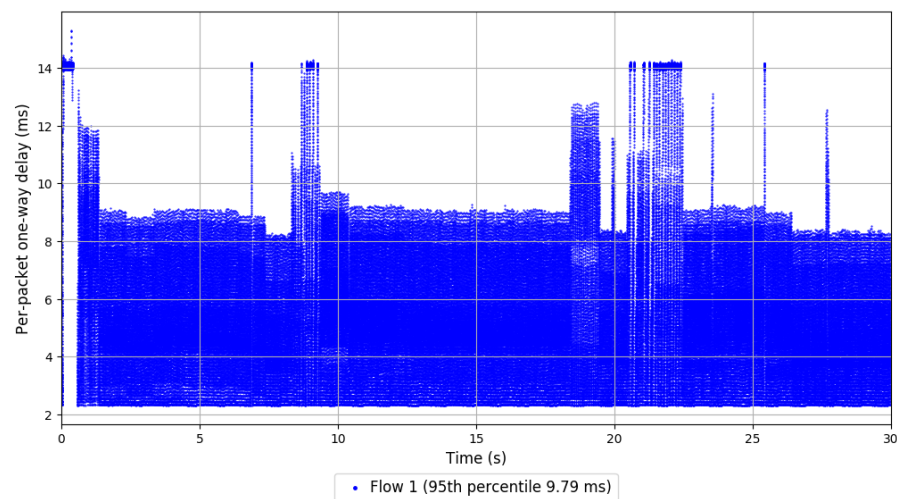
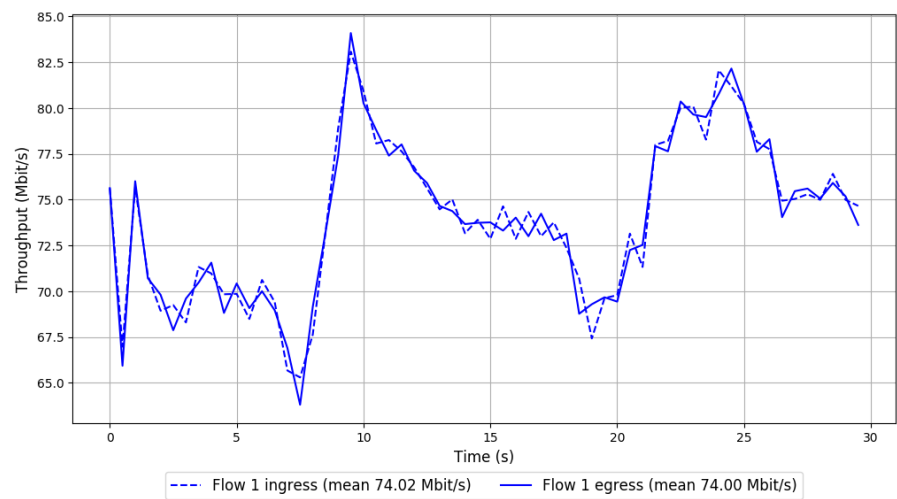
-- Flow 1:

Average throughput: 74.00 Mbit/s

95th percentile per-packet one-way delay: 9.791 ms

Loss rate: 0.04%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-25 20:55:12

End at: 2018-01-25 20:55:42

Local clock offset: 0.973 ms

Remote clock offset: 0.829 ms

Below is generated by plot.py at 2018-01-26 09:59:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.97 Mbit/s

95th percentile per-packet one-way delay: 9.309 ms

Loss rate: 0.02%

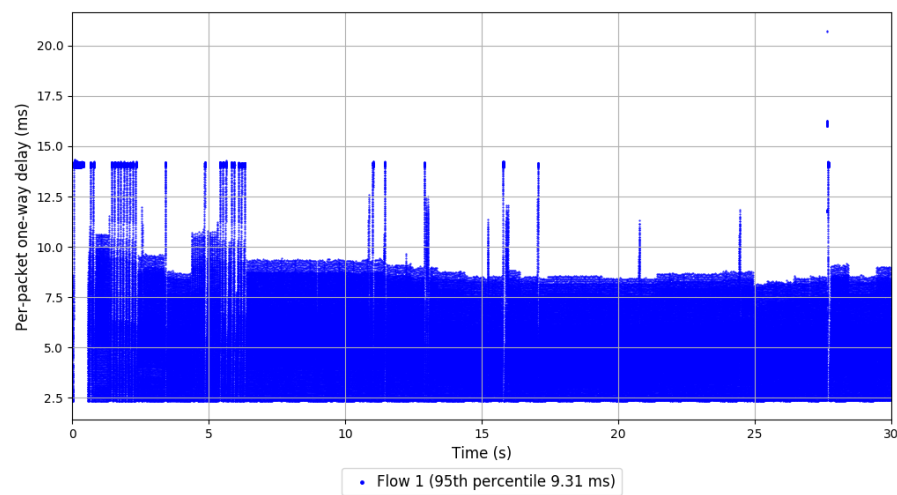
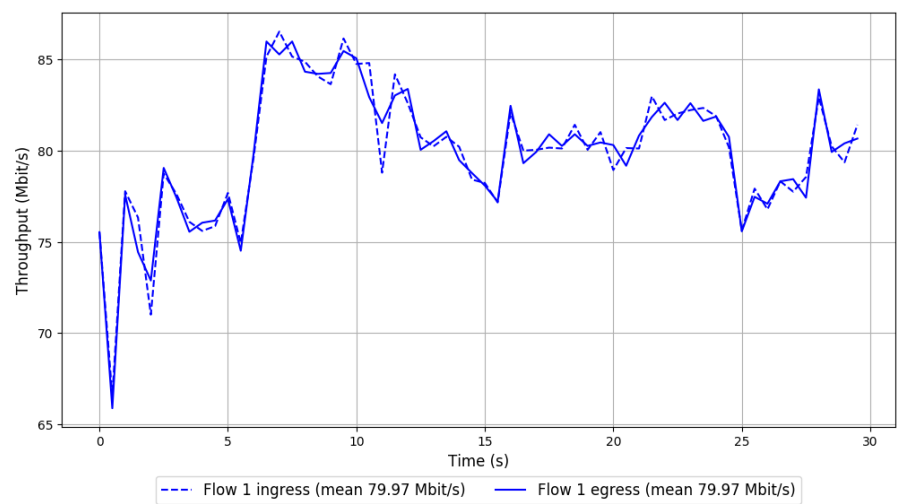
-- Flow 1:

Average throughput: 79.97 Mbit/s

95th percentile per-packet one-way delay: 9.309 ms

Loss rate: 0.02%

Run 2: Report of Verus — Data Link

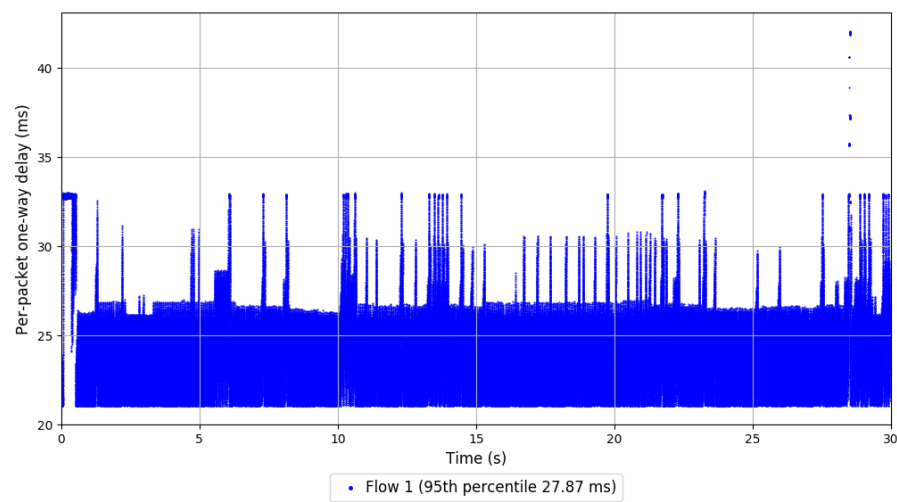
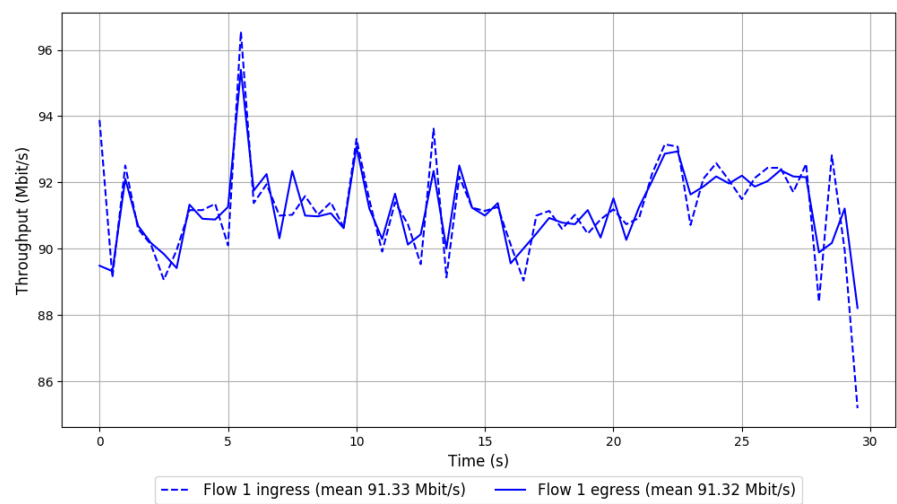


Run 3: Statistics of Verus

Start at: 2018-01-25 21:13:12
End at: 2018-01-25 21:13:42
Local clock offset: 0.65 ms
Remote clock offset: -17.826 ms

Below is generated by plot.py at 2018-01-26 09:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 27.873 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 27.873 ms
Loss rate: 0.03%

Run 3: Report of Verus — Data Link

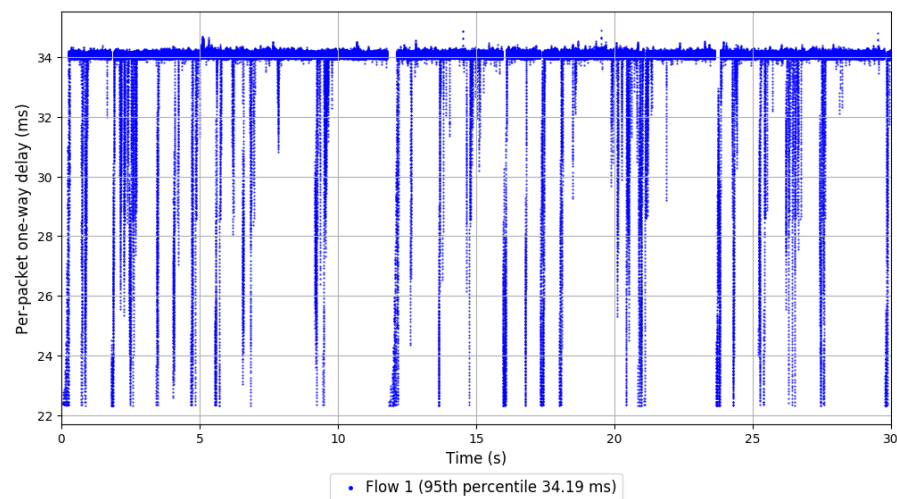
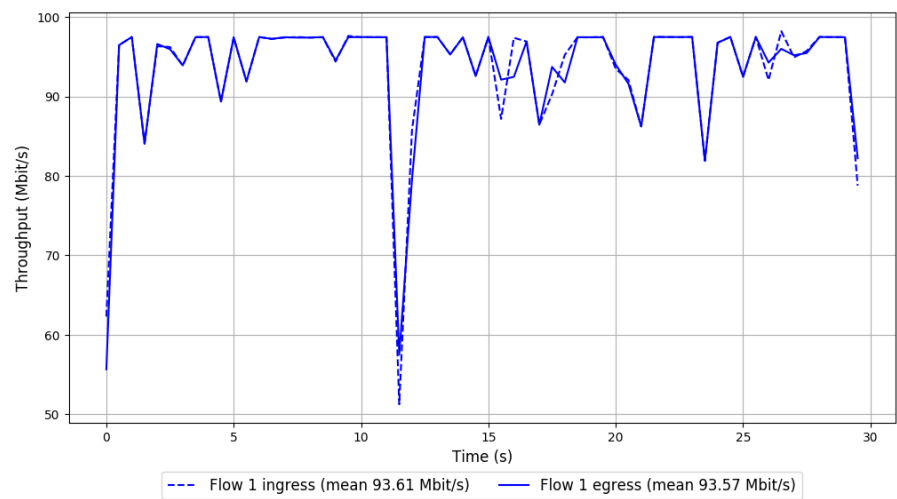


Run 4: Statistics of Verus

Start at: 2018-01-25 21:31:18
End at: 2018-01-25 21:31:48
Local clock offset: 0.544 ms
Remote clock offset: -18.972 ms

Below is generated by plot.py at 2018-01-26 09:59:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 34.189 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 34.189 ms
Loss rate: 0.06%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-25 21:49:14

End at: 2018-01-25 21:49:44

Local clock offset: 0.439 ms

Remote clock offset: 1.011 ms

Below is generated by plot.py at 2018-01-26 10:00:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.02 Mbit/s

95th percentile per-packet one-way delay: 13.089 ms

Loss rate: 0.07%

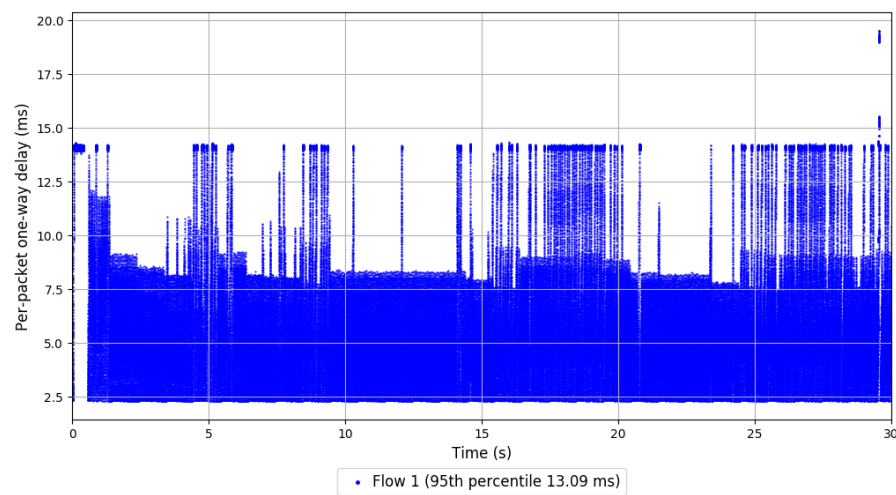
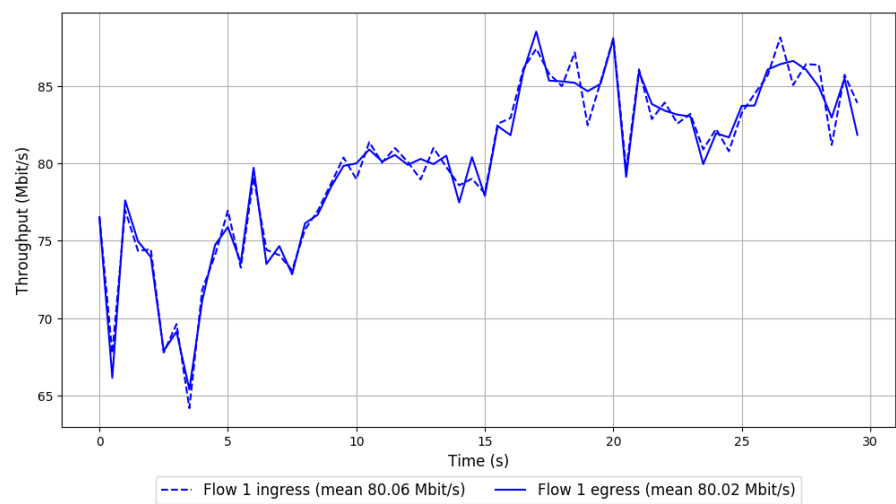
-- Flow 1:

Average throughput: 80.02 Mbit/s

95th percentile per-packet one-way delay: 13.089 ms

Loss rate: 0.07%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-25 22:07:20

End at: 2018-01-25 22:07:50

Local clock offset: 0.358 ms

Remote clock offset: 0.864 ms

Below is generated by plot.py at 2018-01-26 10:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.54 Mbit/s

95th percentile per-packet one-way delay: 13.418 ms

Loss rate: 0.02%

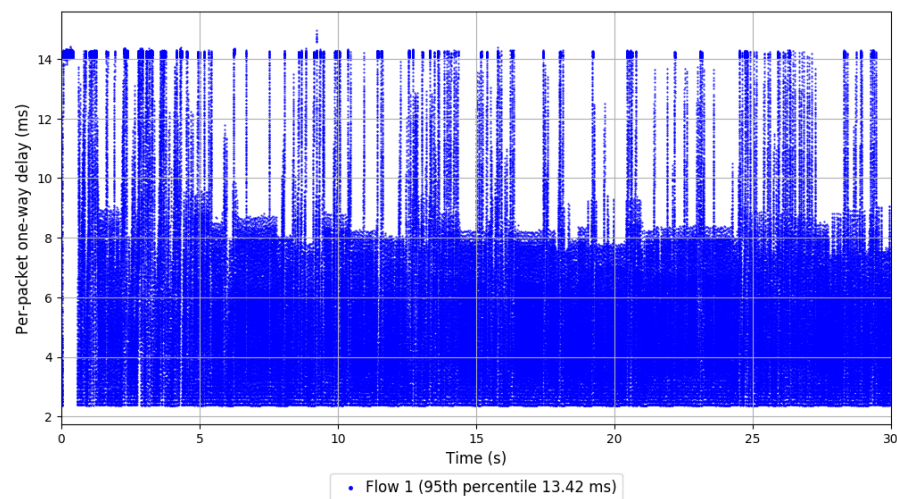
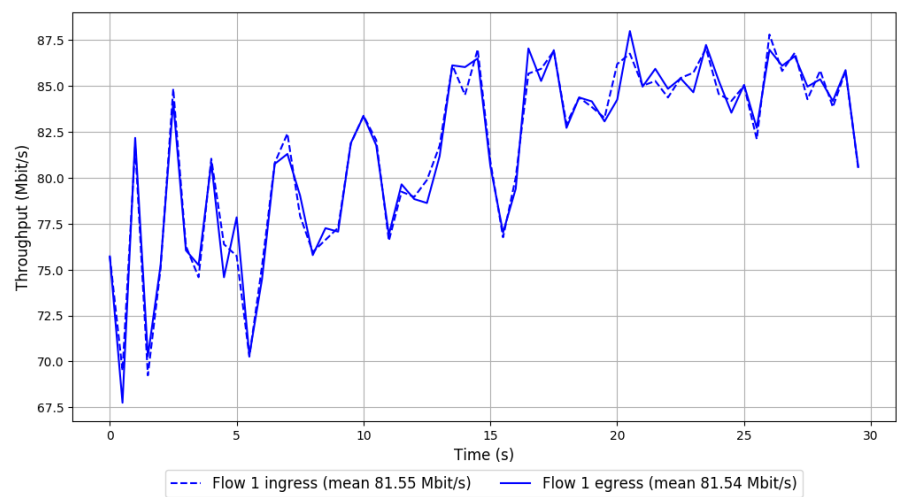
-- Flow 1:

Average throughput: 81.54 Mbit/s

95th percentile per-packet one-way delay: 13.418 ms

Loss rate: 0.02%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-25 22:25:24

End at: 2018-01-25 22:25:54

Local clock offset: 0.247 ms

Remote clock offset: 0.614 ms

Below is generated by plot.py at 2018-01-26 10:00:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.80 Mbit/s

95th percentile per-packet one-way delay: 10.736 ms

Loss rate: 0.02%

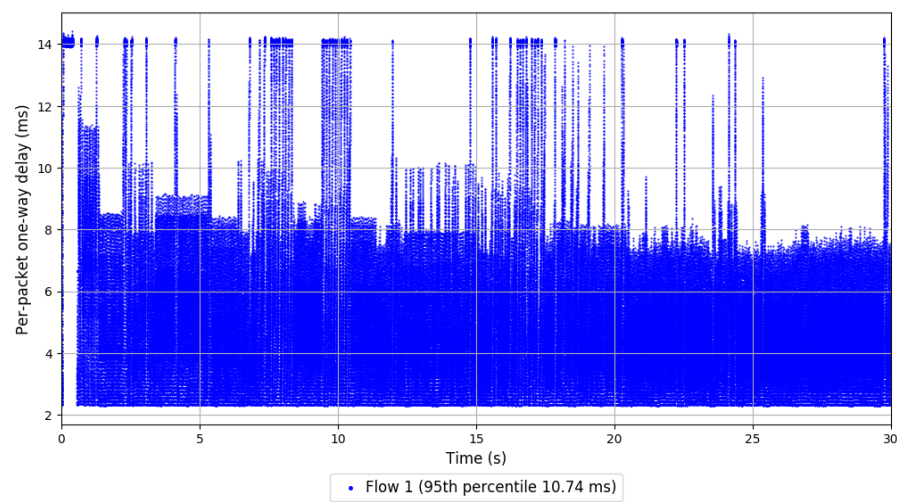
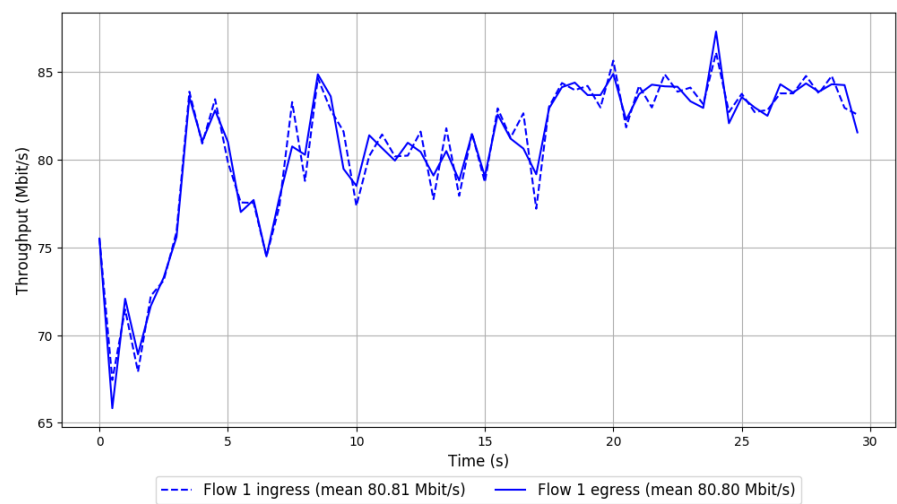
-- Flow 1:

Average throughput: 80.80 Mbit/s

95th percentile per-packet one-way delay: 10.736 ms

Loss rate: 0.02%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-25 22:43:30

End at: 2018-01-25 22:44:00

Local clock offset: 0.176 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-01-26 10:00:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.81 Mbit/s

95th percentile per-packet one-way delay: 9.760 ms

Loss rate: 0.02%

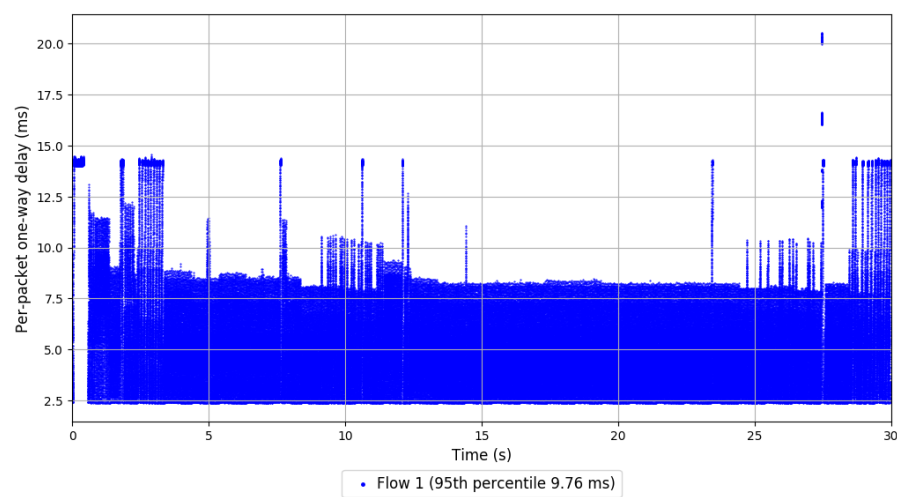
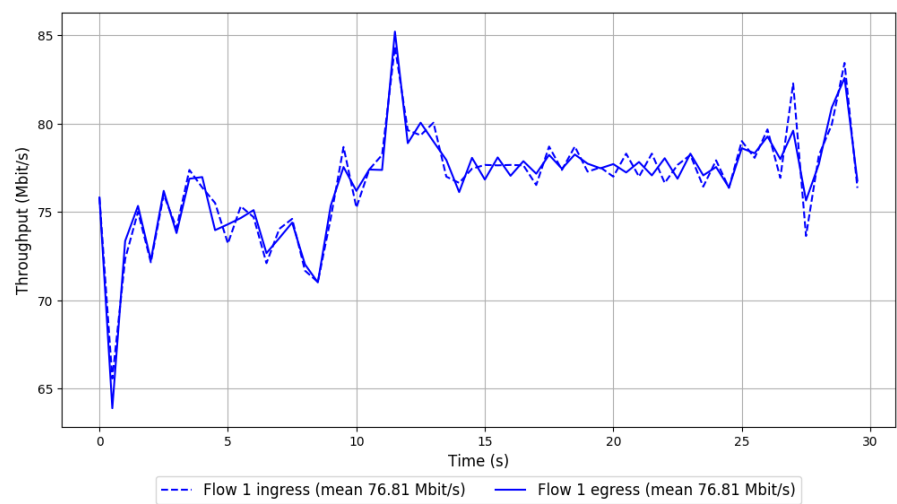
-- Flow 1:

Average throughput: 76.81 Mbit/s

95th percentile per-packet one-way delay: 9.760 ms

Loss rate: 0.02%

Run 8: Report of Verus — Data Link

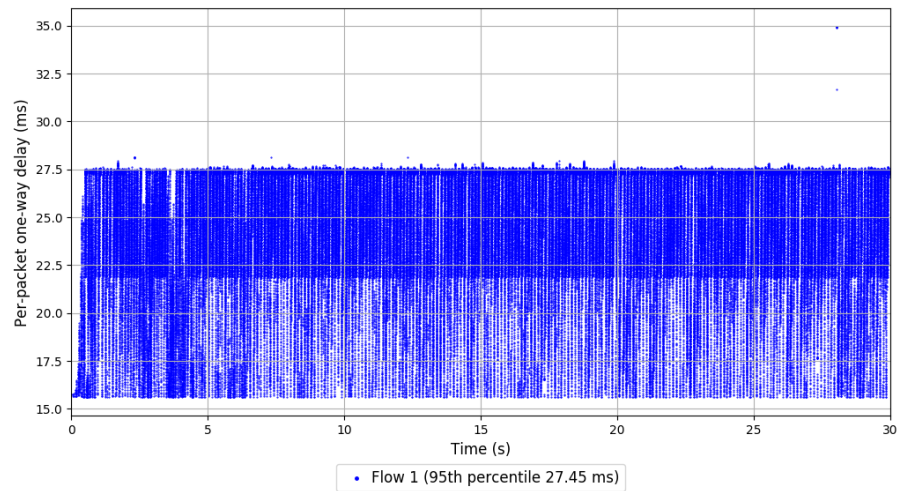
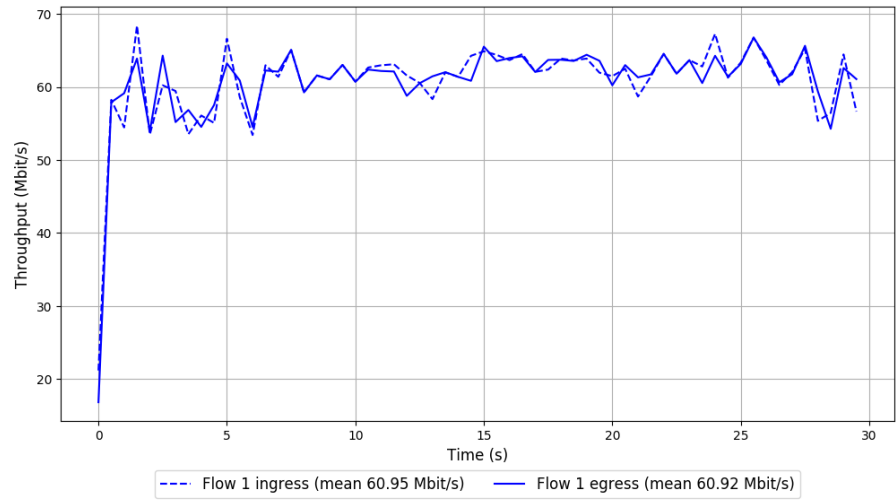


Run 9: Statistics of Verus

Start at: 2018-01-25 23:01:30
End at: 2018-01-25 23:02:00
Local clock offset: 0.165 ms
Remote clock offset: -13.158 ms

Below is generated by plot.py at 2018-01-26 10:00:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.92 Mbit/s
95th percentile per-packet one-way delay: 27.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.92 Mbit/s
95th percentile per-packet one-way delay: 27.450 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

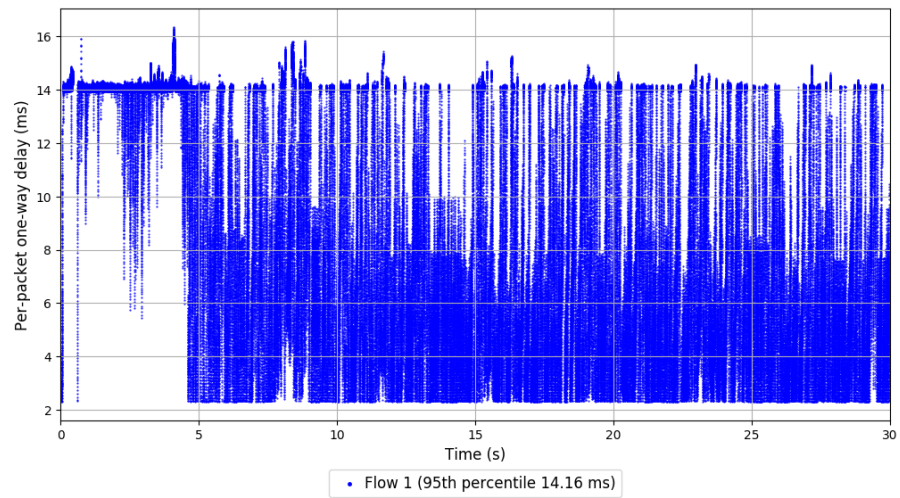
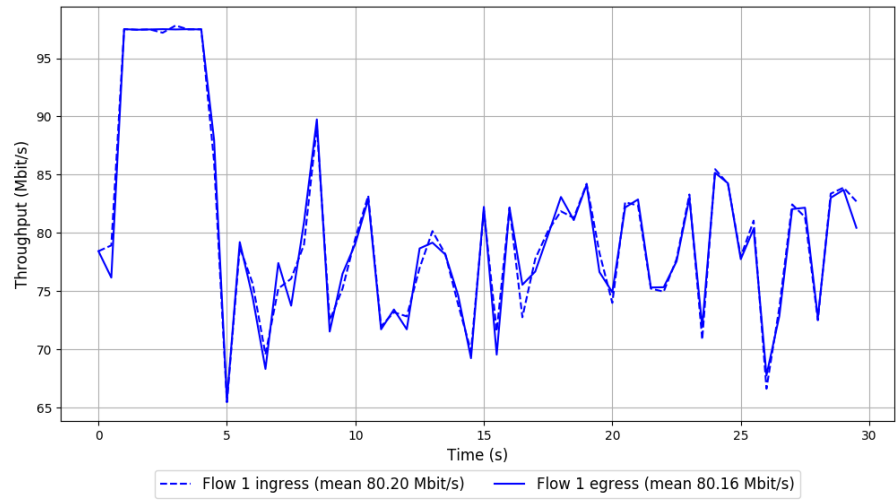


Run 10: Statistics of Verus

Start at: 2018-01-25 23:19:33
End at: 2018-01-25 23:20:03
Local clock offset: 0.055 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-01-26 10:00:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.16 Mbit/s
95th percentile per-packet one-way delay: 14.160 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 80.16 Mbit/s
95th percentile per-packet one-way delay: 14.160 ms
Loss rate: 0.06%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-25 20:38:16

End at: 2018-01-25 20:38:46

Local clock offset: 0.801 ms

Remote clock offset: 0.877 ms

Below is generated by plot.py at 2018-01-26 10:01:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 3.586 ms

Loss rate: 0.02%

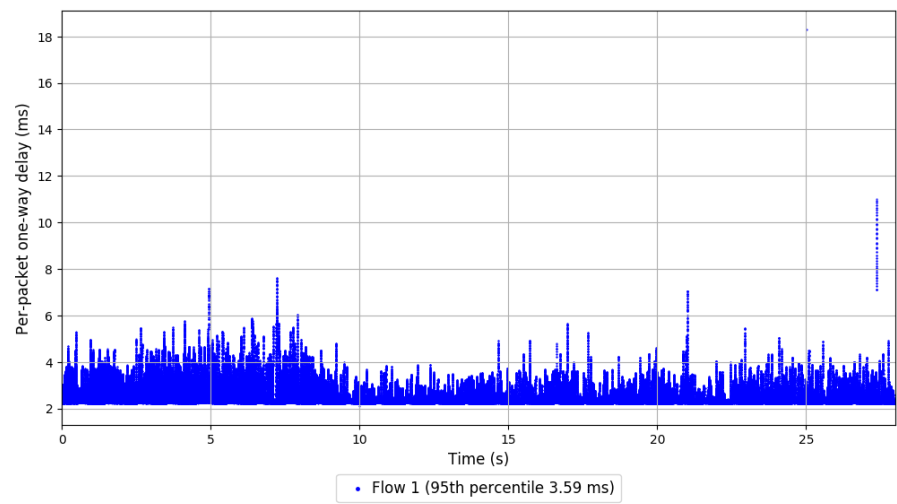
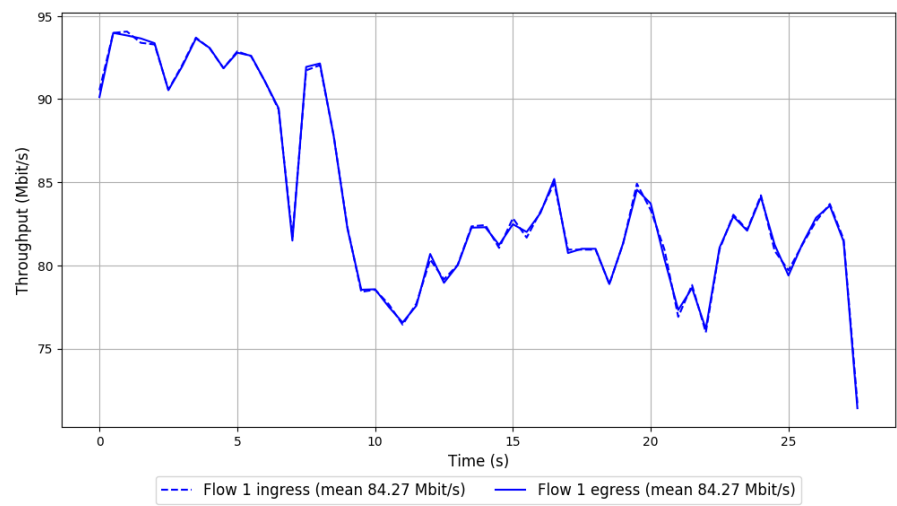
-- Flow 1:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 3.586 ms

Loss rate: 0.02%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-25 20:56:21

End at: 2018-01-25 20:56:51

Local clock offset: 0.943 ms

Remote clock offset: 0.818 ms

Below is generated by plot.py at 2018-01-26 10:02:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.17 Mbit/s

95th percentile per-packet one-way delay: 3.636 ms

Loss rate: 0.02%

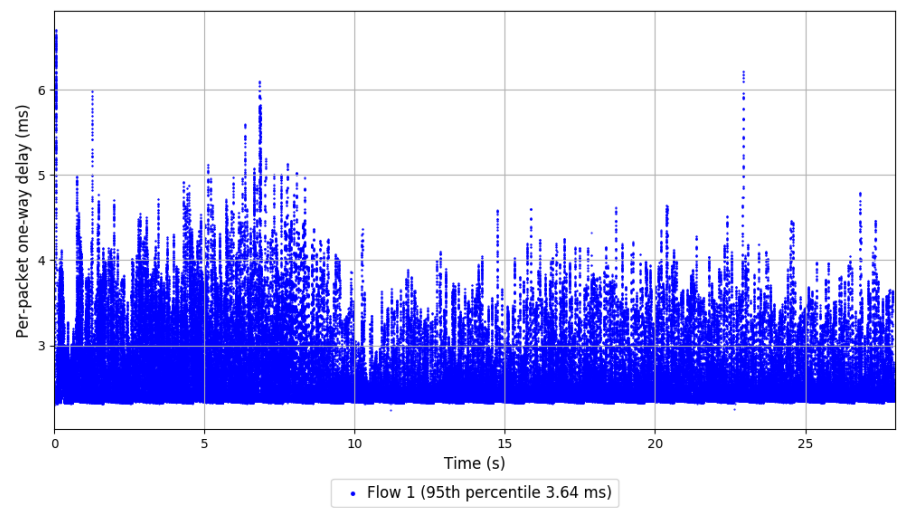
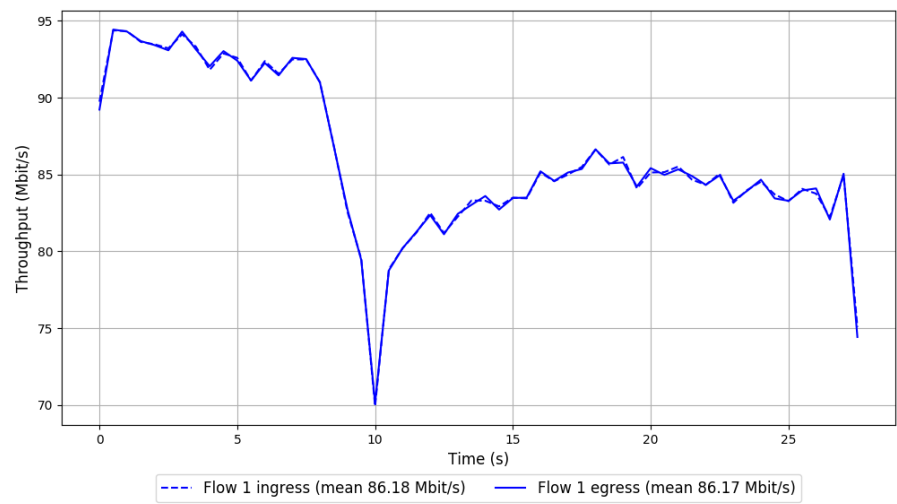
-- Flow 1:

Average throughput: 86.17 Mbit/s

95th percentile per-packet one-way delay: 3.636 ms

Loss rate: 0.02%

Run 2: Report of Copa — Data Link

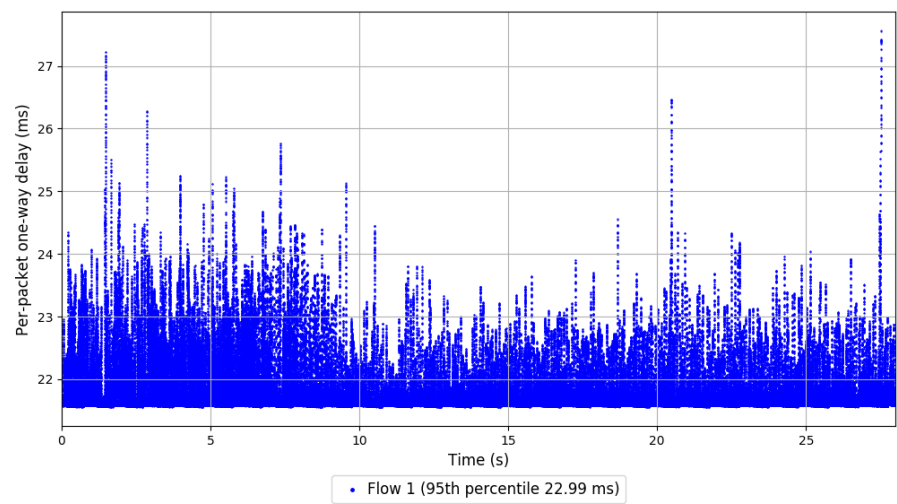
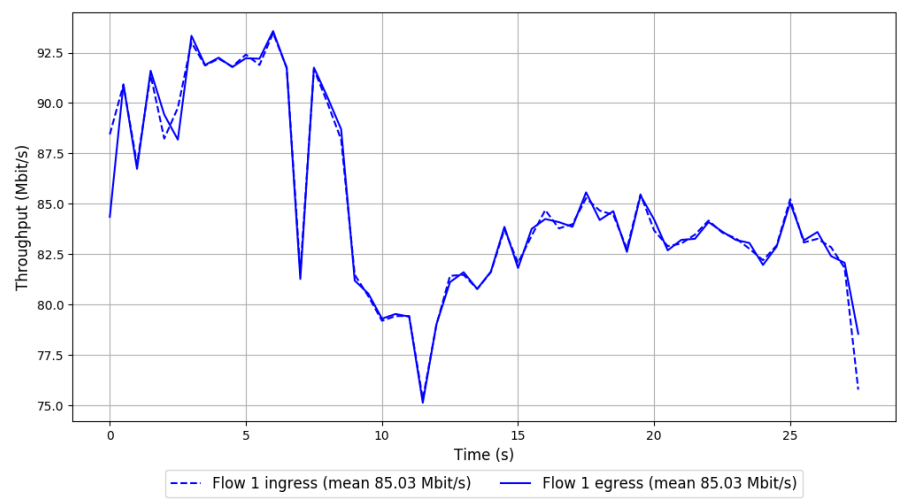


Run 3: Statistics of Copa

Start at: 2018-01-25 21:14:22
End at: 2018-01-25 21:14:52
Local clock offset: 0.641 ms
Remote clock offset: -18.315 ms

Below is generated by plot.py at 2018-01-26 10:02:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 22.993 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 22.993 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

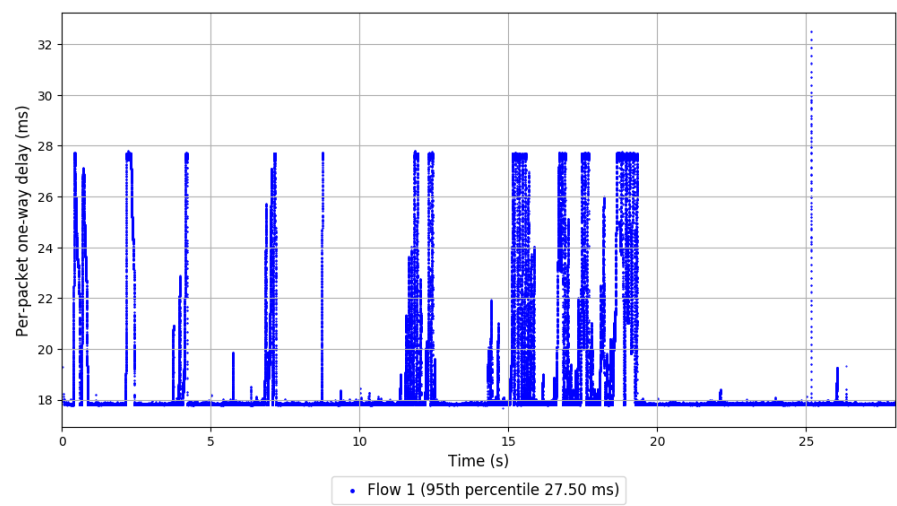
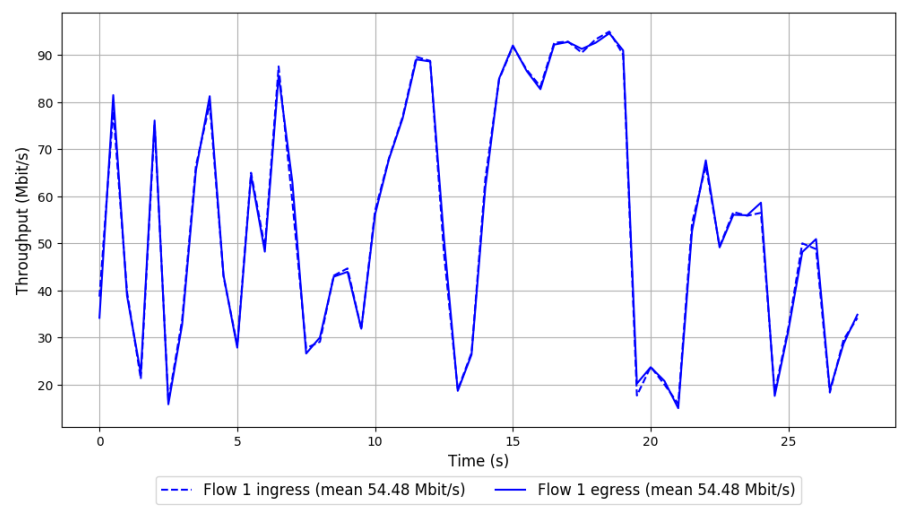


Run 4: Statistics of Copa

Start at: 2018-01-25 21:32:27
End at: 2018-01-25 21:32:57
Local clock offset: 0.461 ms
Remote clock offset: -14.524 ms

Below is generated by plot.py at 2018-01-26 10:02:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 27.502 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 27.502 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-25 21:50:23

End at: 2018-01-25 21:50:53

Local clock offset: 0.44 ms

Remote clock offset: 0.957 ms

Below is generated by plot.py at 2018-01-26 10:02:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 3.792 ms

Loss rate: 0.02%

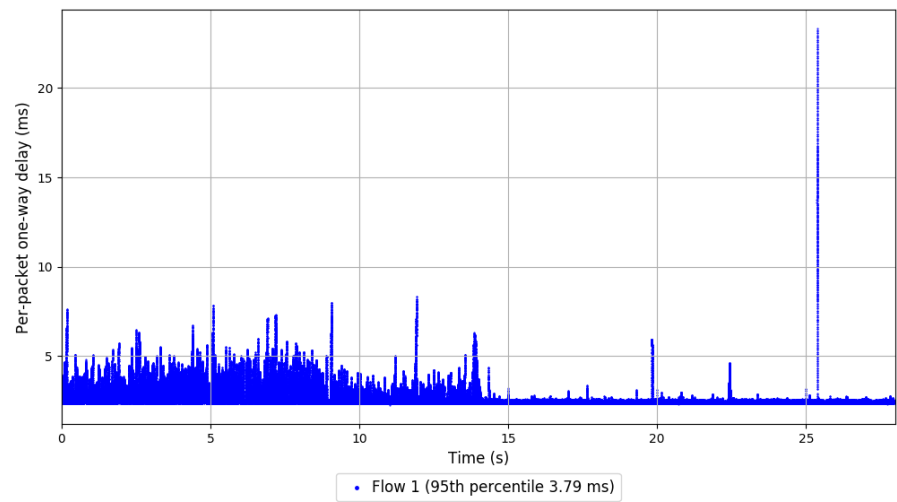
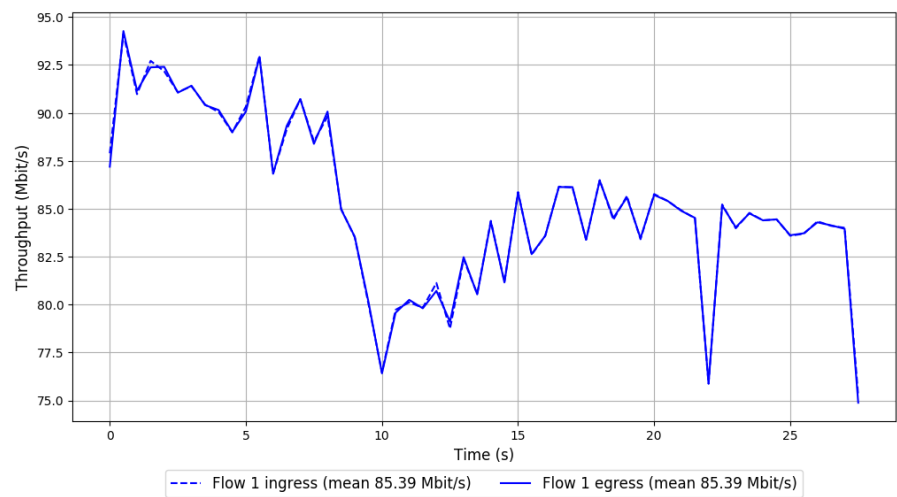
-- Flow 1:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 3.792 ms

Loss rate: 0.02%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-25 22:08:28

End at: 2018-01-25 22:08:58

Local clock offset: 0.349 ms

Remote clock offset: 0.899 ms

Below is generated by plot.py at 2018-01-26 10:02:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 3.697 ms

Loss rate: 0.01%

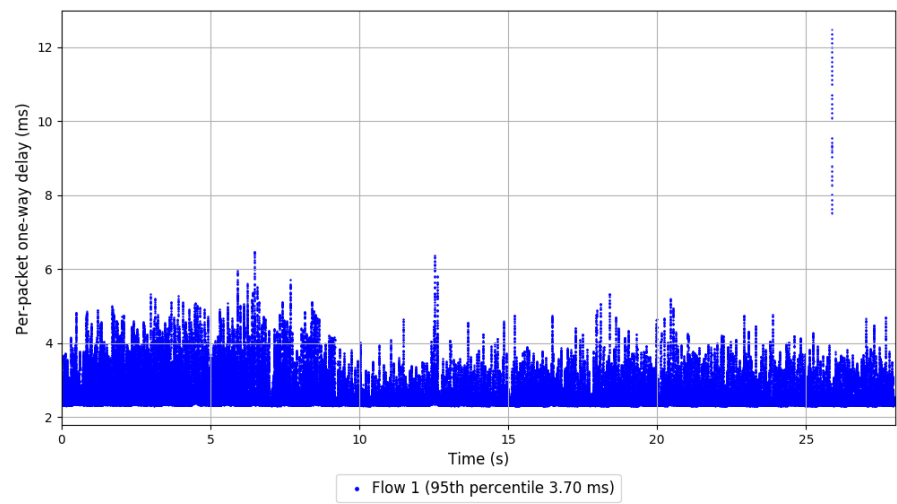
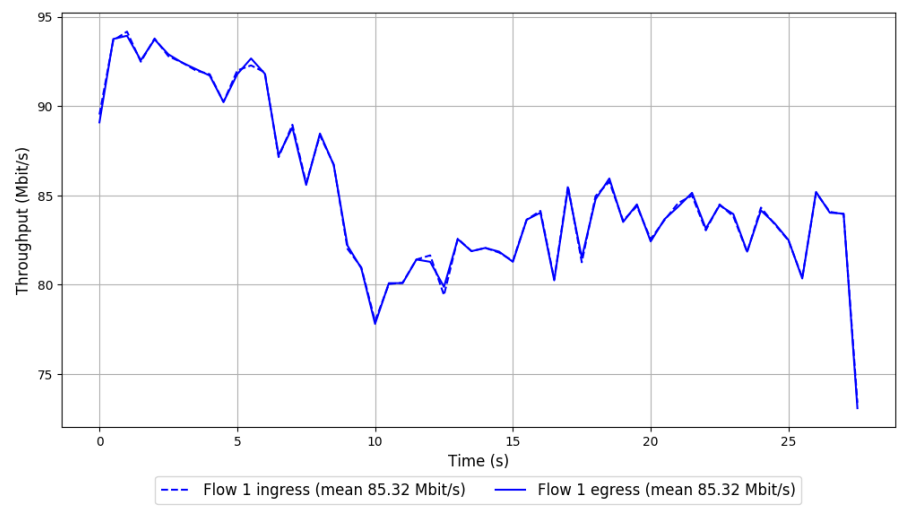
-- Flow 1:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 3.697 ms

Loss rate: 0.01%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-25 22:26:33

End at: 2018-01-25 22:27:03

Local clock offset: 0.256 ms

Remote clock offset: 0.546 ms

Below is generated by plot.py at 2018-01-26 10:02:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 3.669 ms

Loss rate: 0.02%

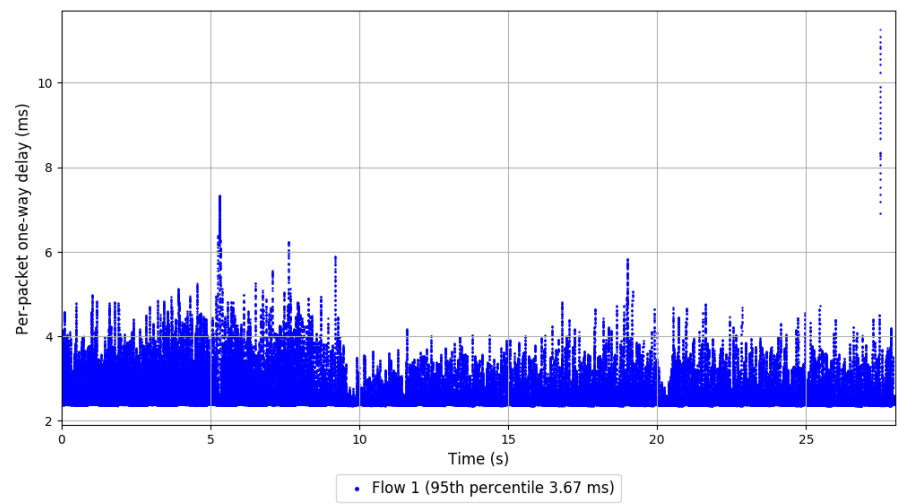
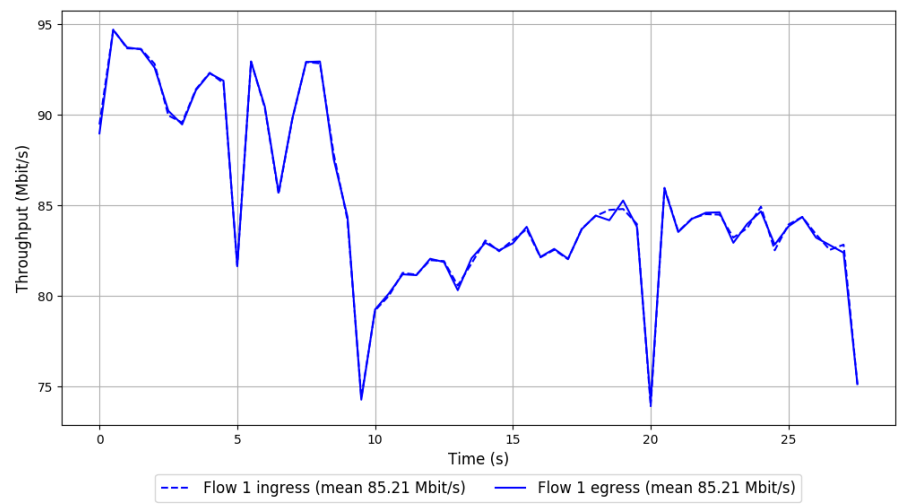
-- Flow 1:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 3.669 ms

Loss rate: 0.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-25 22:44:38

End at: 2018-01-25 22:45:08

Local clock offset: 0.196 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-01-26 10:02:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.42 Mbit/s

95th percentile per-packet one-way delay: 3.777 ms

Loss rate: 0.02%

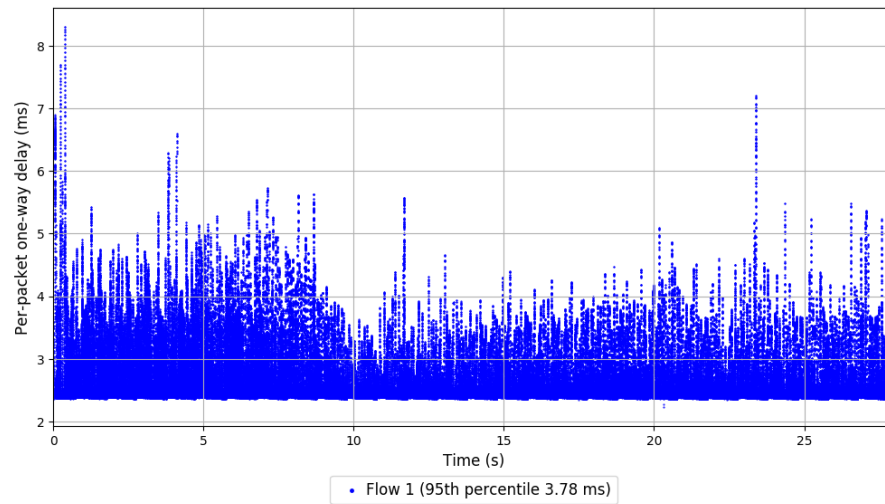
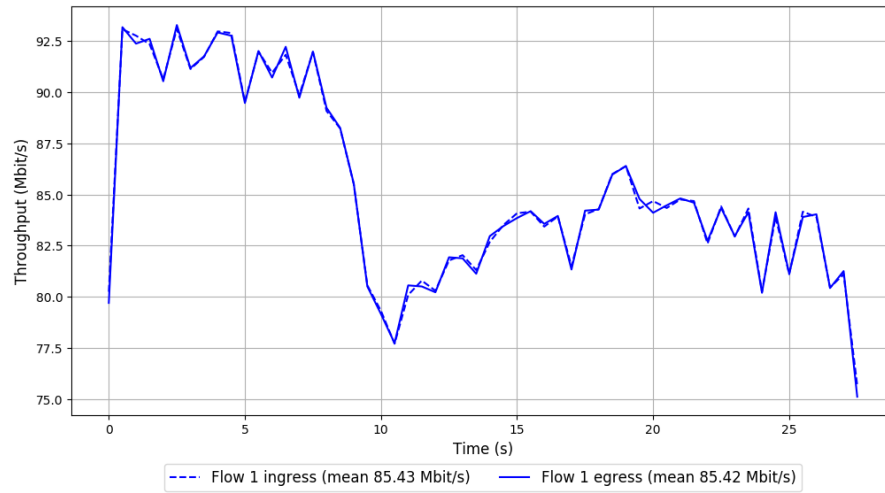
-- Flow 1:

Average throughput: 85.42 Mbit/s

95th percentile per-packet one-way delay: 3.777 ms

Loss rate: 0.02%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-25 23:02:37

End at: 2018-01-25 23:03:08

Local clock offset: 0.078 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-01-26 10:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.31 Mbit/s

95th percentile per-packet one-way delay: 4.012 ms

Loss rate: 0.02%

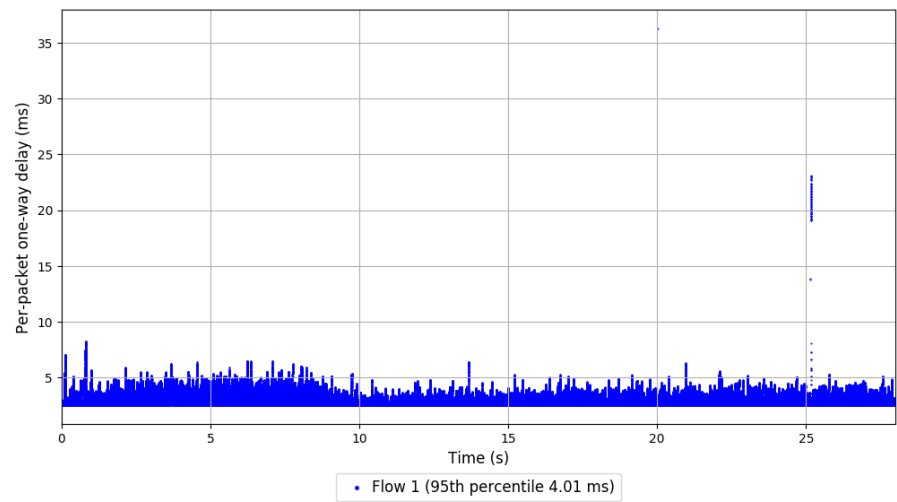
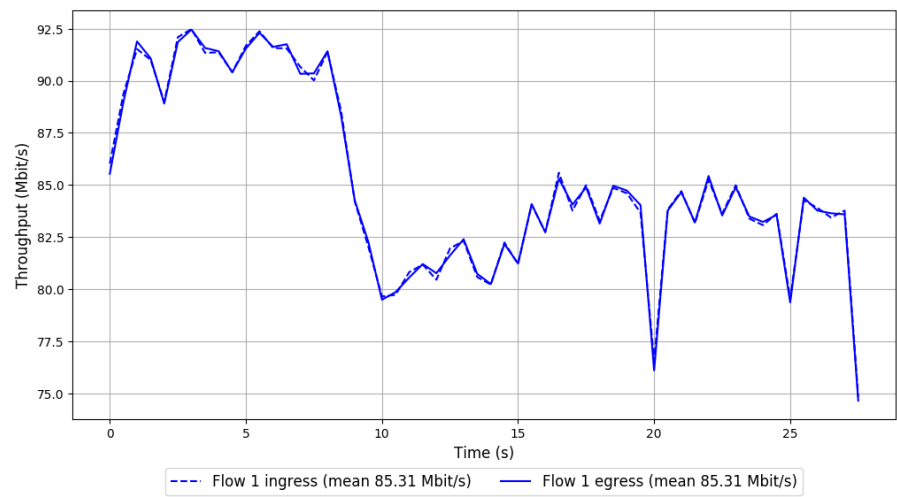
-- Flow 1:

Average throughput: 85.31 Mbit/s

95th percentile per-packet one-way delay: 4.012 ms

Loss rate: 0.02%

Run 9: Report of Copa — Data Link

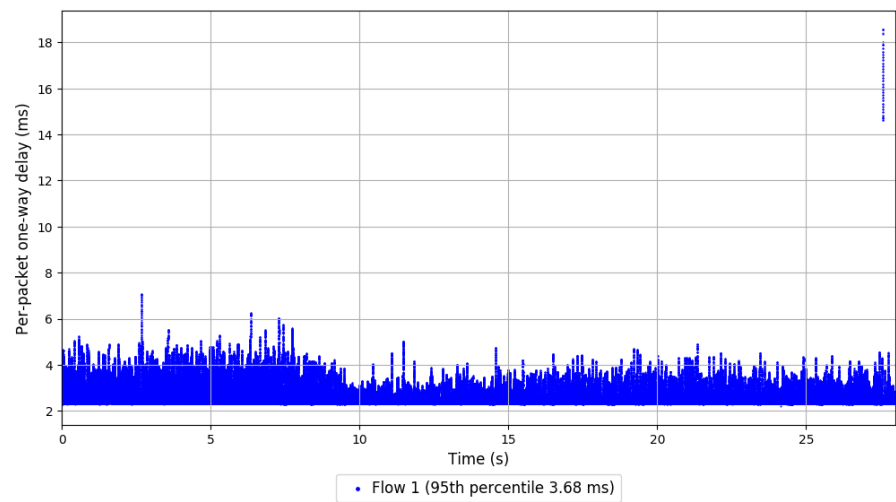
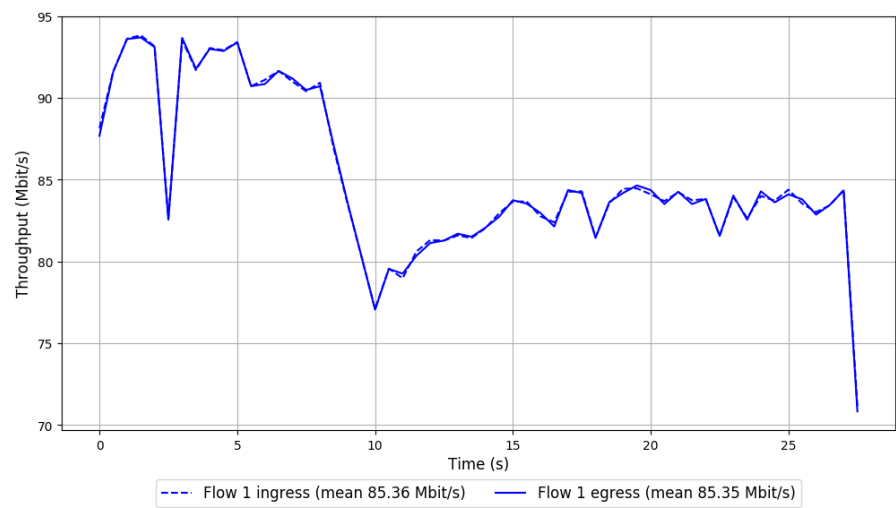


Run 10: Statistics of Copa

Start at: 2018-01-25 23:20:42
End at: 2018-01-25 23:21:12
Local clock offset: -0.011 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-01-26 10:04:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 3.684 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 3.684 ms
Loss rate: 0.03%

Run 10: Report of Copa — Data Link

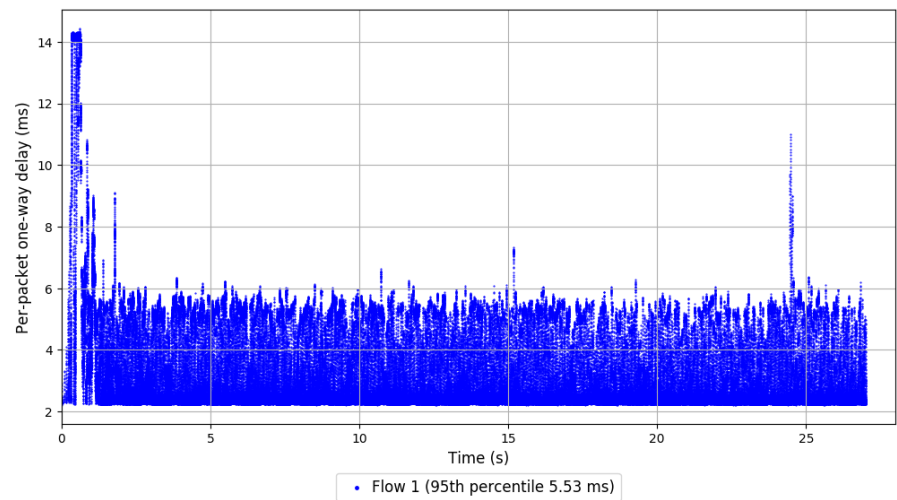
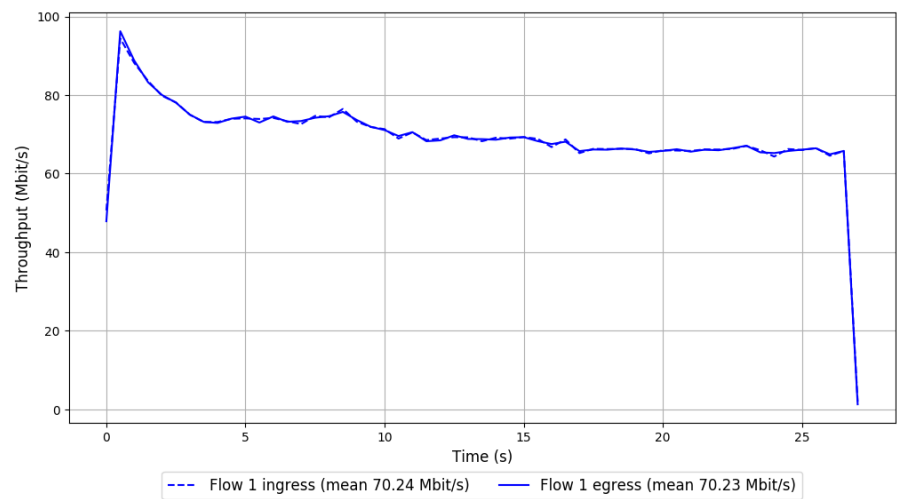


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-25 20:47:11
End at: 2018-01-25 20:47:41
Local clock offset: 0.867 ms
Remote clock offset: 0.831 ms

# Below is generated by plot.py at 2018-01-26 10:04:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.23 Mbit/s
95th percentile per-packet one-way delay: 5.530 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.23 Mbit/s
95th percentile per-packet one-way delay: 5.530 ms
Loss rate: 0.02%
```


Run 1: Report of Indigo-2-256 — Data Link



Run 2: Statistics of Indigo-2-256

Start at: 2018-01-25 21:05:15

End at: 2018-01-25 21:05:45

Local clock offset: 0.768 ms

Remote clock offset: 0.807 ms

Below is generated by plot.py at 2018-01-26 10:04:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.95 Mbit/s

95th percentile per-packet one-way delay: 8.231 ms

Loss rate: 0.03%

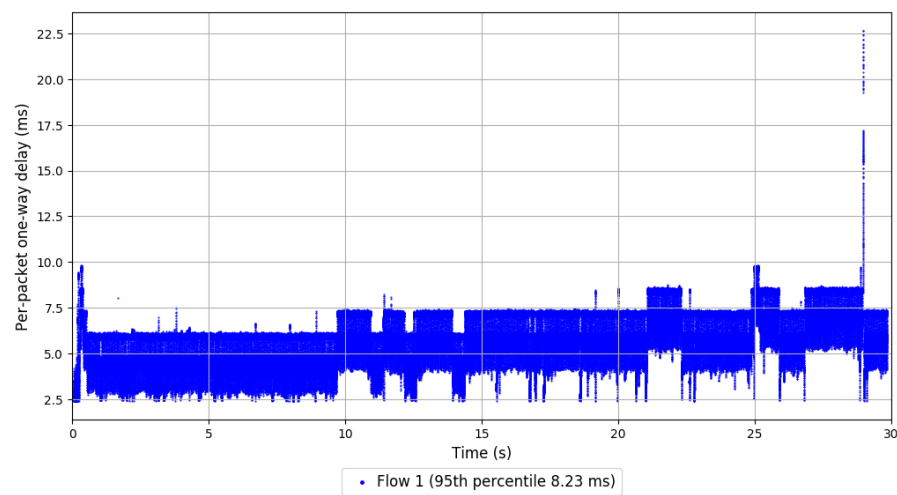
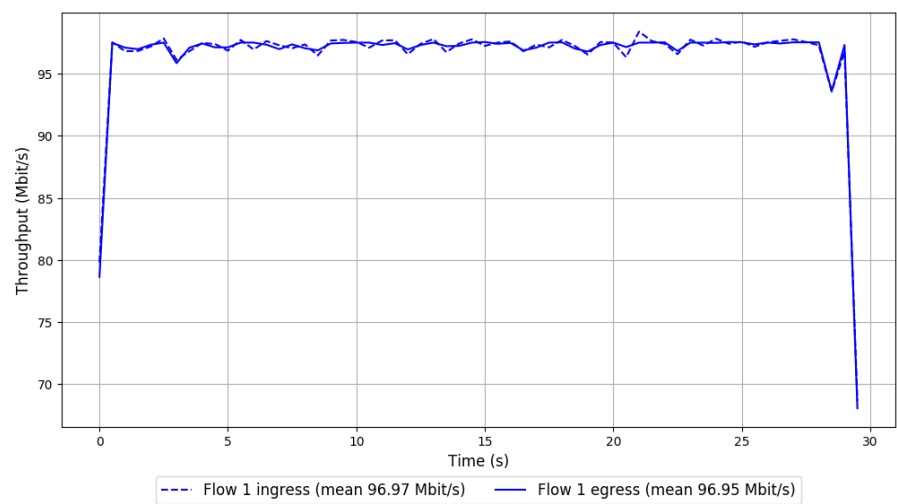
-- Flow 1:

Average throughput: 96.95 Mbit/s

95th percentile per-packet one-way delay: 8.231 ms

Loss rate: 0.03%

Run 2: Report of Indigo-2-256 — Data Link



Run 3: Statistics of Indigo-2-256

Start at: 2018-01-25 21:23:14

End at: 2018-01-25 21:23:44

Local clock offset: 0.584 ms

Remote clock offset: 1.001 ms

Below is generated by plot.py at 2018-01-26 10:04:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 7.997 ms

Loss rate: 0.03%

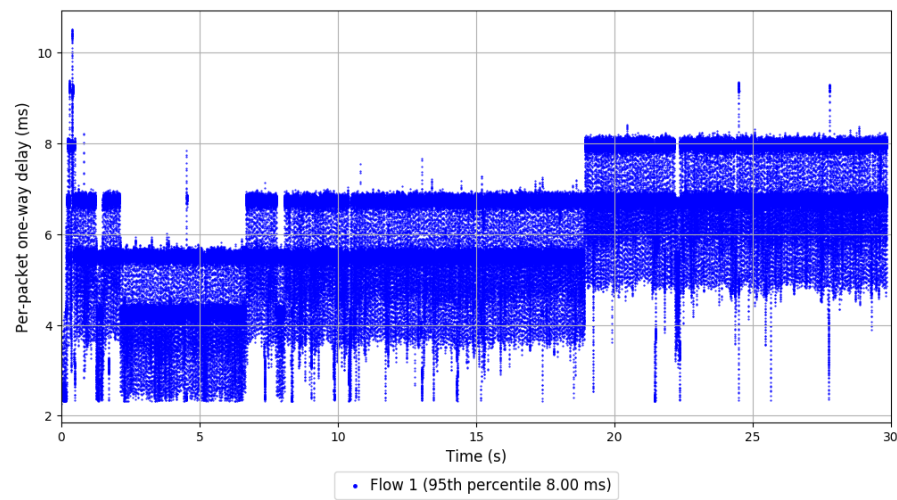
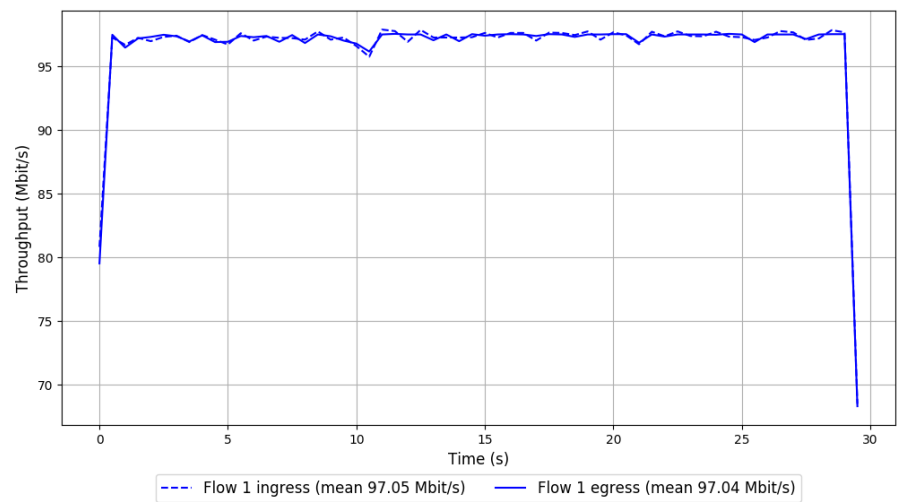
-- Flow 1:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 7.997 ms

Loss rate: 0.03%

Run 3: Report of Indigo-2-256 — Data Link



Run 4: Statistics of Indigo-2-256

Start at: 2018-01-25 21:41:19

End at: 2018-01-25 21:41:49

Local clock offset: 0.404 ms

Remote clock offset: 1.067 ms

Below is generated by plot.py at 2018-01-26 10:04:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: 8.124 ms

Loss rate: 0.04%

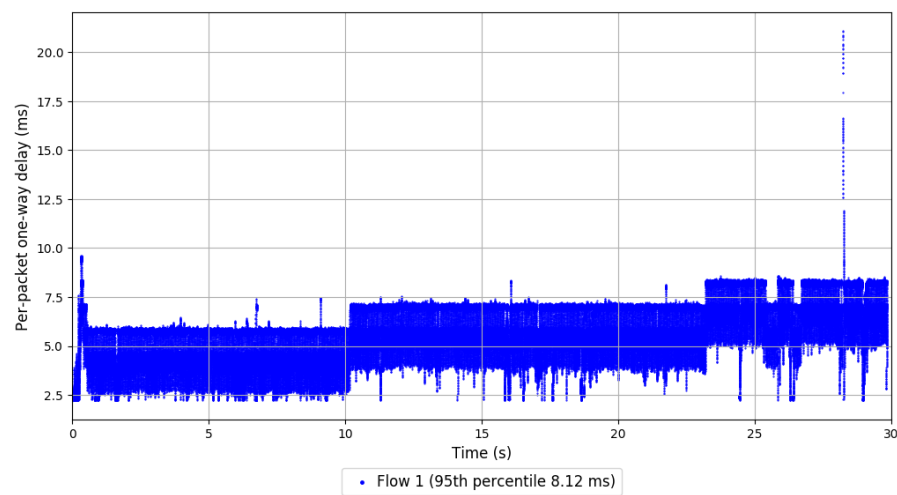
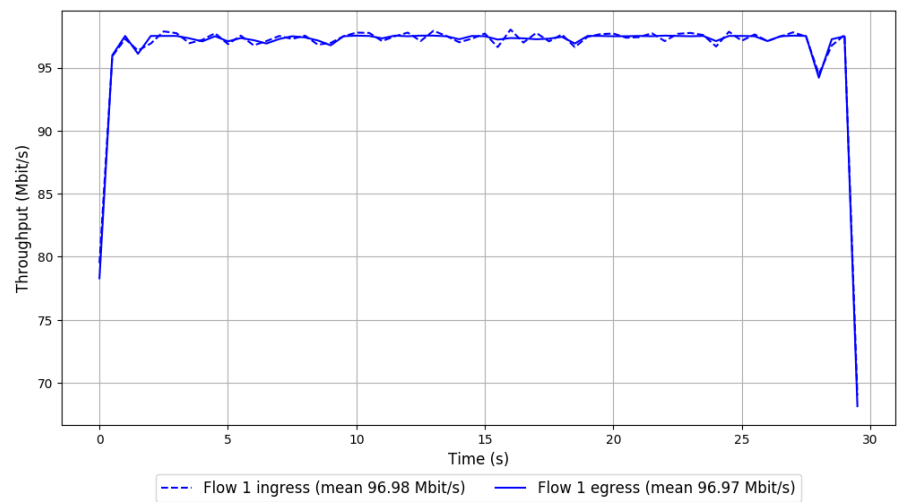
-- Flow 1:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: 8.124 ms

Loss rate: 0.04%

Run 4: Report of Indigo-2-256 — Data Link



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-25 21:59:18

End at: 2018-01-25 21:59:48

Local clock offset: 0.406 ms

Remote clock offset: 0.986 ms

Below is generated by plot.py at 2018-01-26 10:04:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 7.301 ms

Loss rate: 0.03%

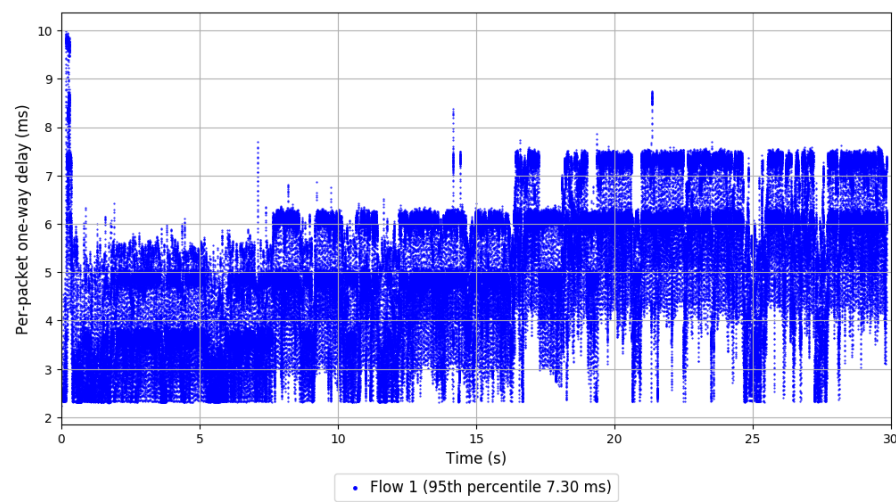
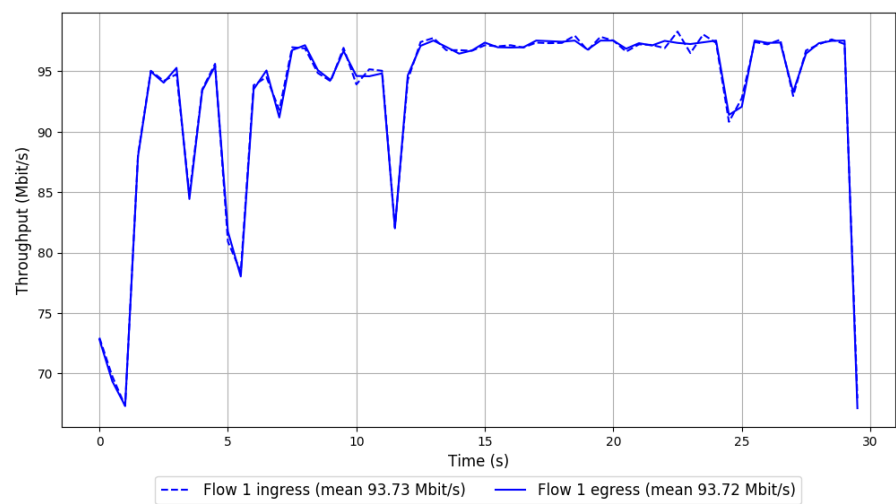
-- Flow 1:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 7.301 ms

Loss rate: 0.03%

Run 5: Report of Indigo-2-256 — Data Link



Run 6: Statistics of Indigo-2-256

Start at: 2018-01-25 22:17:22

End at: 2018-01-25 22:17:52

Local clock offset: 0.282 ms

Remote clock offset: 0.743 ms

Below is generated by plot.py at 2018-01-26 10:04:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.78 Mbit/s

95th percentile per-packet one-way delay: 5.706 ms

Loss rate: 0.03%

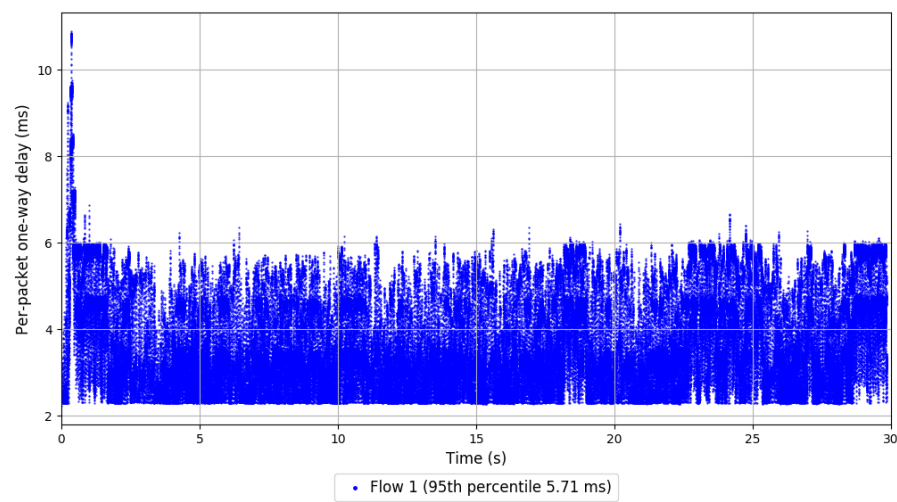
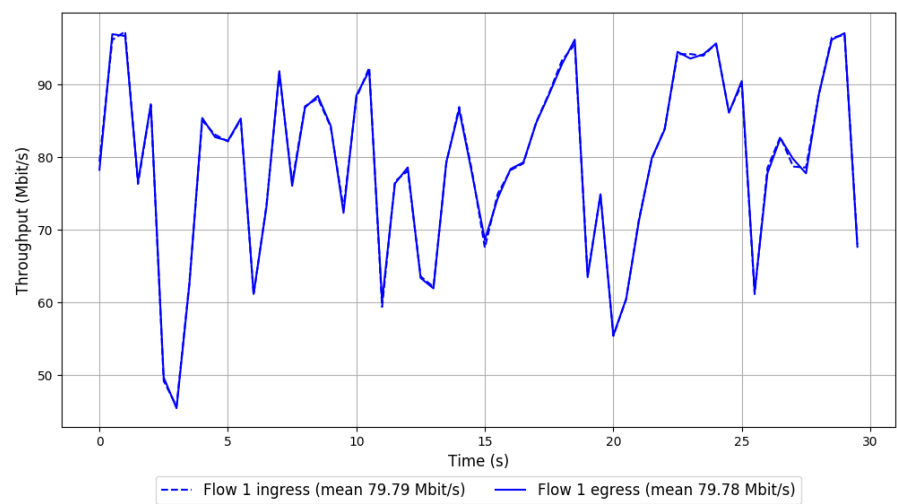
-- Flow 1:

Average throughput: 79.78 Mbit/s

95th percentile per-packet one-way delay: 5.706 ms

Loss rate: 0.03%

Run 6: Report of Indigo-2-256 — Data Link



Run 7: Statistics of Indigo-2-256

Start at: 2018-01-25 22:35:28

End at: 2018-01-25 22:35:58

Local clock offset: 0.21 ms

Remote clock offset: 0.464 ms

Below is generated by plot.py at 2018-01-26 10:04:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.56 Mbit/s

95th percentile per-packet one-way delay: 5.521 ms

Loss rate: 0.03%

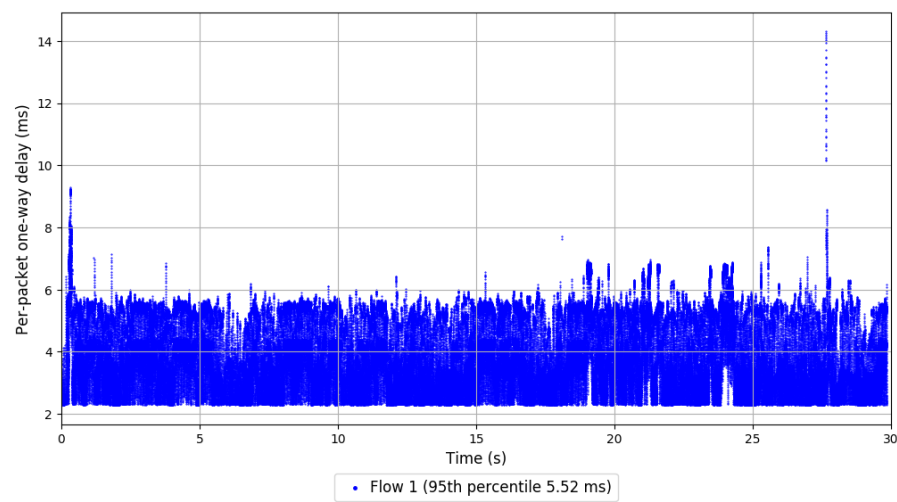
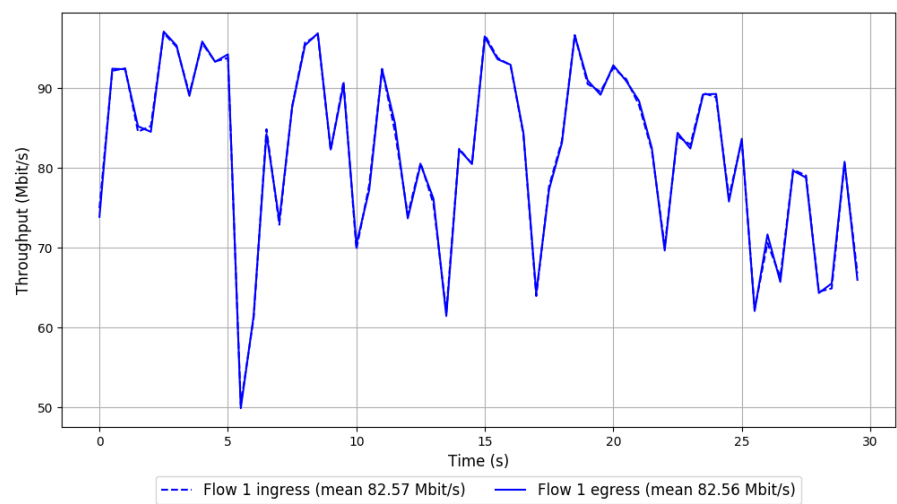
-- Flow 1:

Average throughput: 82.56 Mbit/s

95th percentile per-packet one-way delay: 5.521 ms

Loss rate: 0.03%

Run 7: Report of Indigo-2-256 — Data Link



Run 8: Statistics of Indigo-2-256

Start at: 2018-01-25 22:53:33

End at: 2018-01-25 22:54:03

Local clock offset: 0.121 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-01-26 10:04:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.69 Mbit/s

95th percentile per-packet one-way delay: 5.307 ms

Loss rate: 0.00%

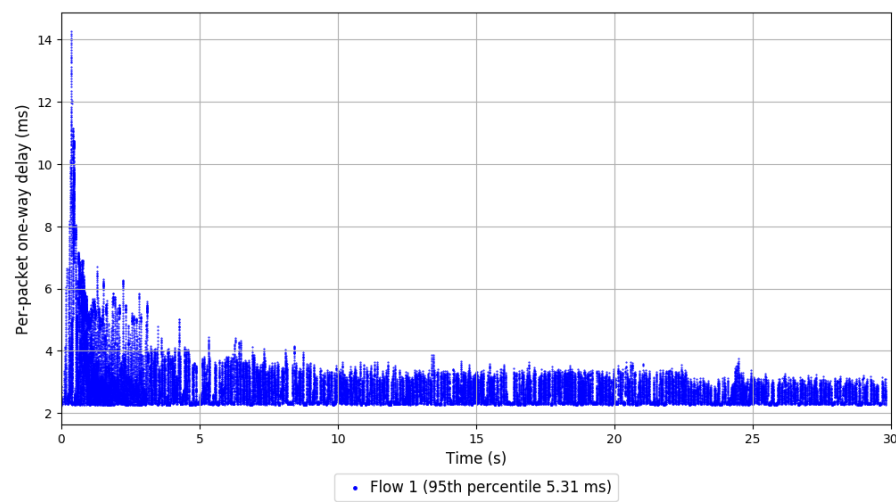
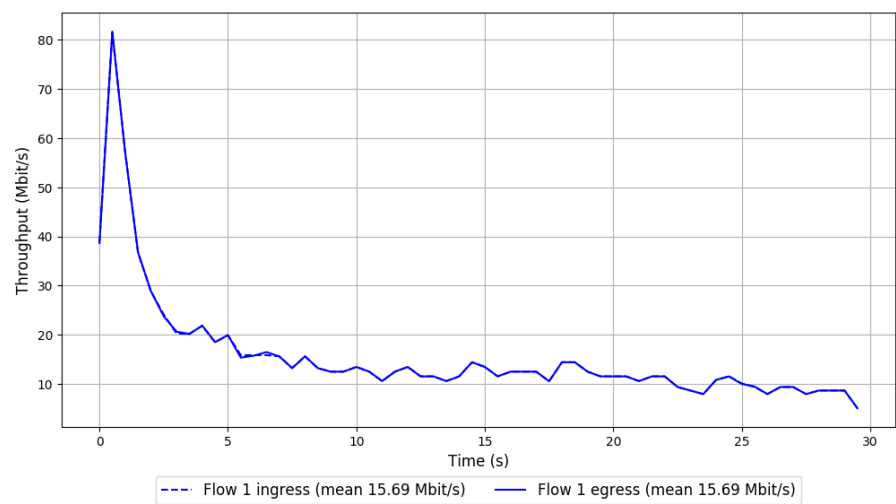
-- Flow 1:

Average throughput: 15.69 Mbit/s

95th percentile per-packet one-way delay: 5.307 ms

Loss rate: 0.00%

Run 8: Report of Indigo-2-256 — Data Link

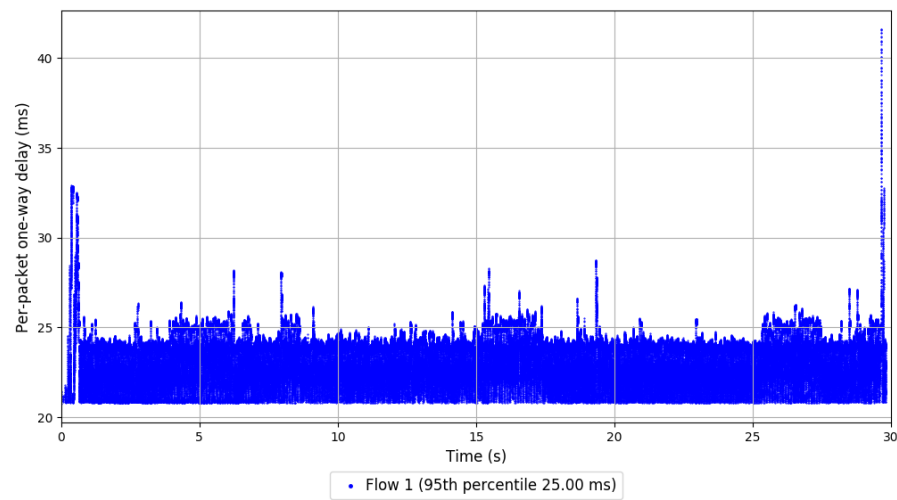
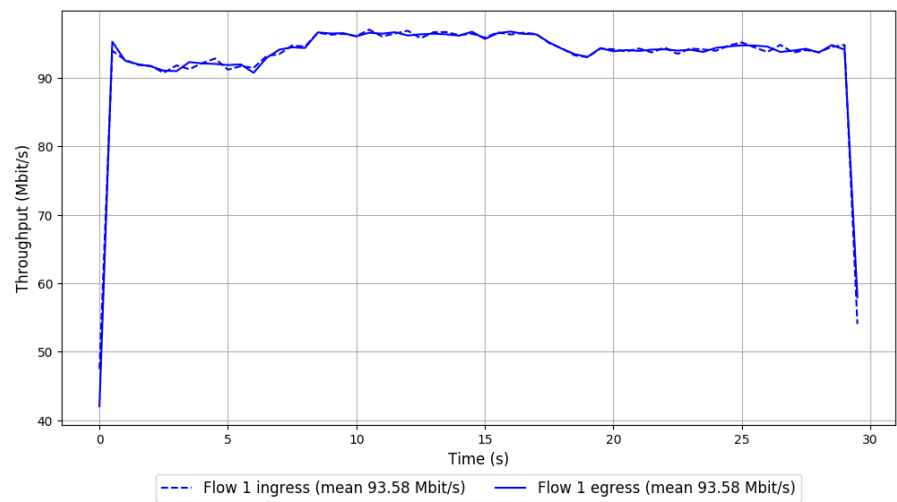


Run 9: Statistics of Indigo-2-256

Start at: 2018-01-25 23:11:32
End at: 2018-01-25 23:12:03
Local clock offset: 0.108 ms
Remote clock offset: -18.454 ms

Below is generated by plot.py at 2018-01-26 10:05:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 24.997 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 24.997 ms
Loss rate: 0.02%

Run 9: Report of Indigo-2-256 — Data Link

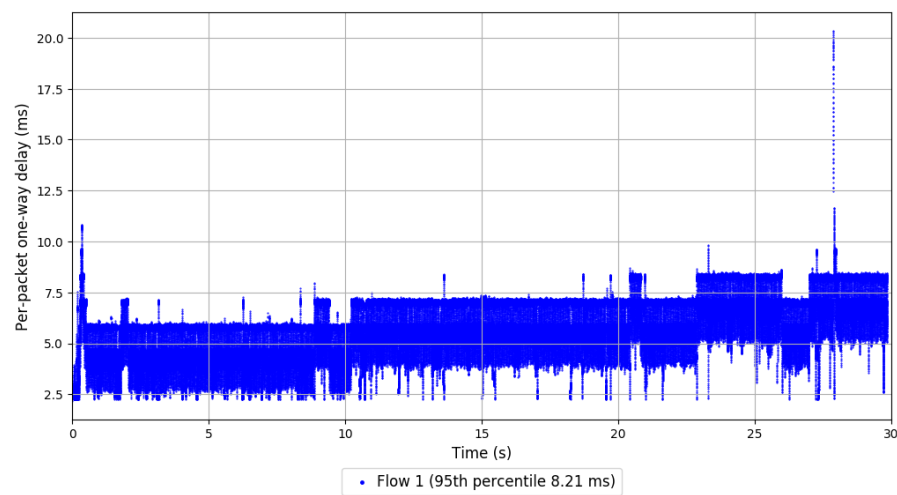
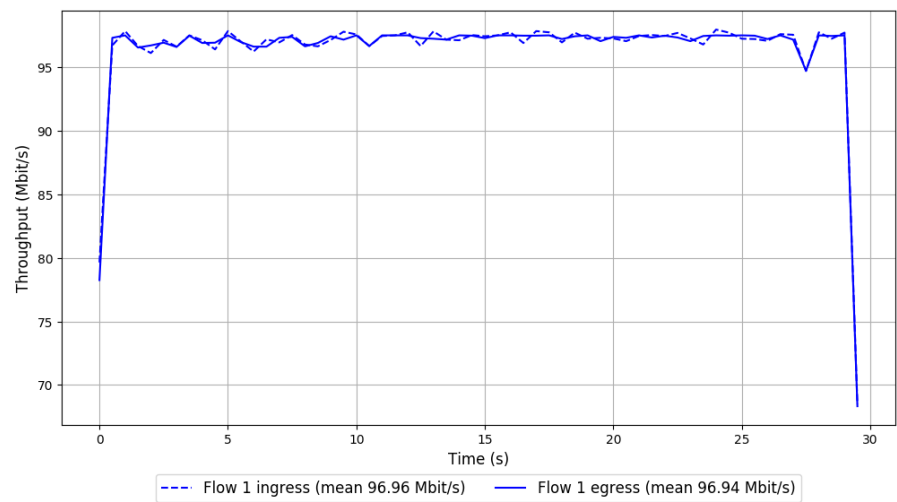


Run 10: Statistics of Indigo-2-256

Start at: 2018-01-25 23:29:36
End at: 2018-01-25 23:30:06
Local clock offset: -0.054 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-01-26 10:05:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 8.212 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 8.212 ms
Loss rate: 0.03%

Run 10: Report of Indigo-2-256 — Data Link

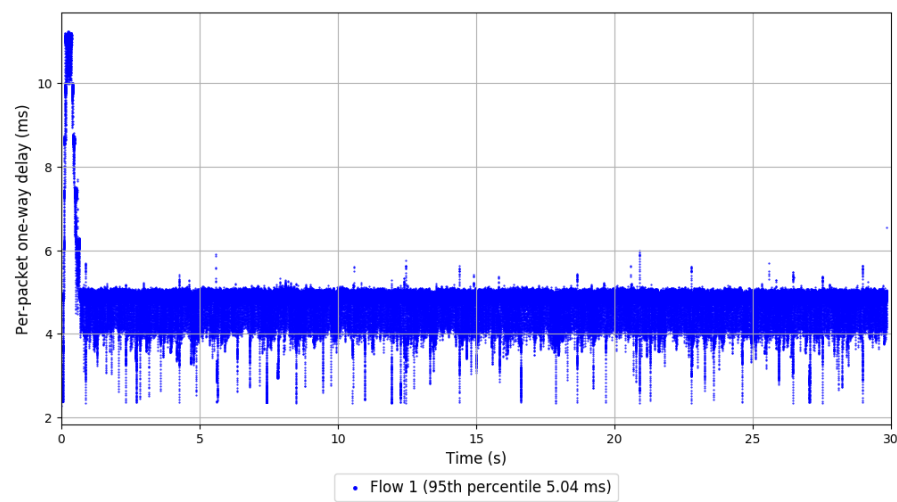
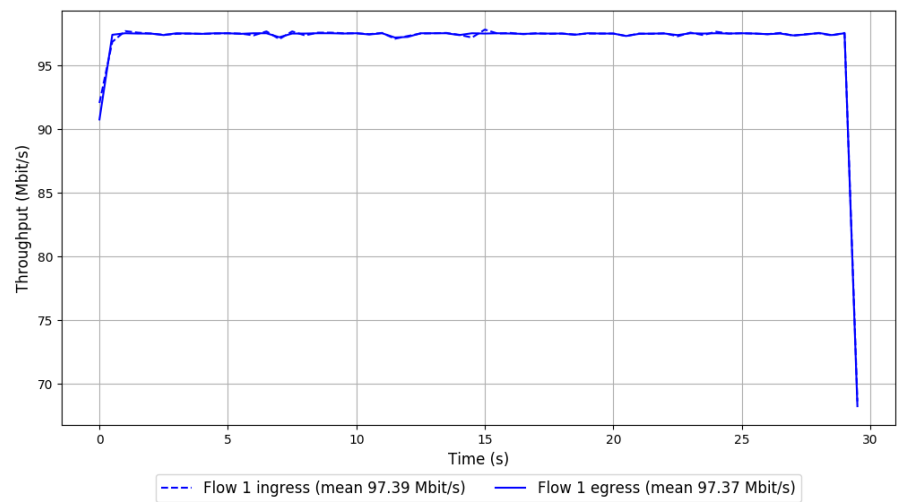


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-25 20:48:18
End at: 2018-01-25 20:48:48
Local clock offset: 0.969 ms
Remote clock offset: 0.814 ms

# Below is generated by plot.py at 2018-01-26 10:05:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 5.039 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 5.039 ms
Loss rate: 0.02%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-01-25 21:06:25

End at: 2018-01-25 21:06:55

Local clock offset: 0.764 ms

Remote clock offset: 0.822 ms

Below is generated by plot.py at 2018-01-26 10:05:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 5.138 ms

Loss rate: 0.02%

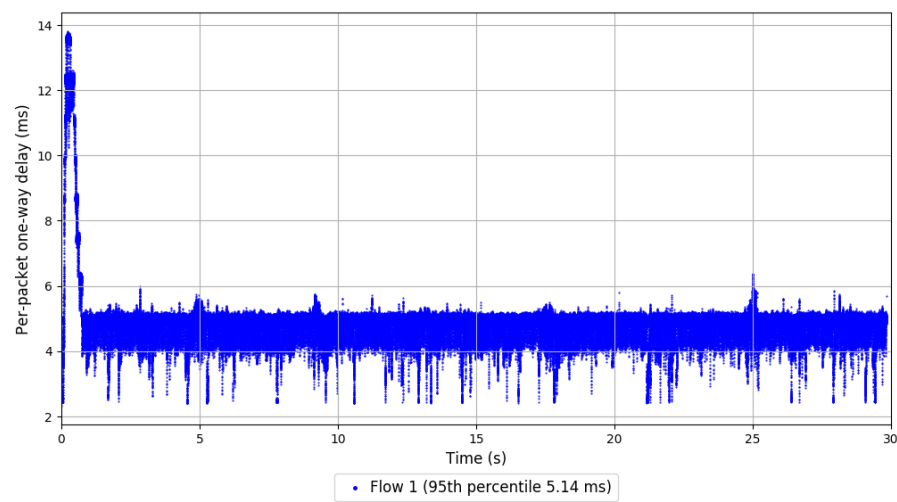
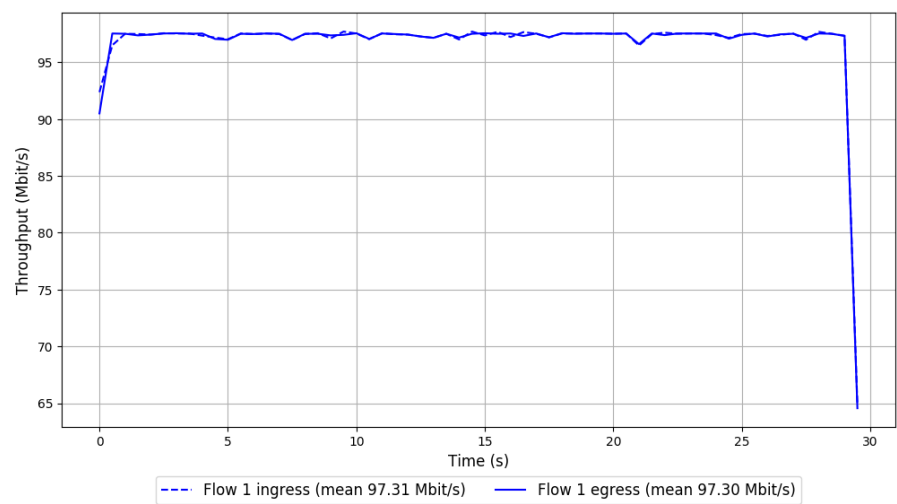
-- Flow 1:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 5.138 ms

Loss rate: 0.02%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-25 21:24:24

End at: 2018-01-25 21:24:54

Local clock offset: 0.588 ms

Remote clock offset: -18.988 ms

Below is generated by plot.py at 2018-01-26 10:05:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 25.017 ms

Loss rate: 0.02%

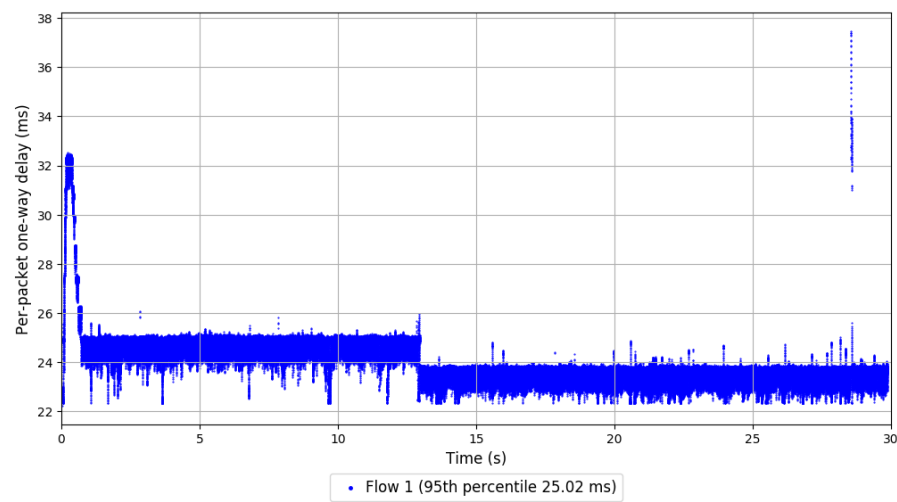
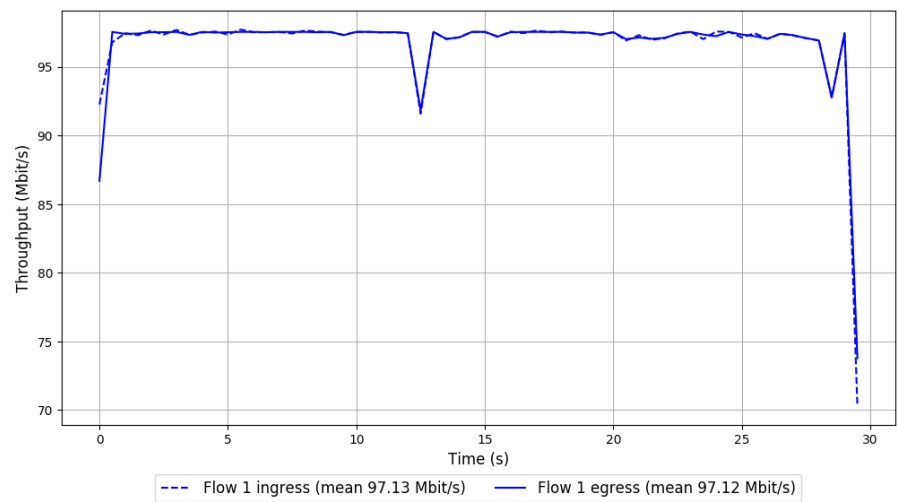
-- Flow 1:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 25.017 ms

Loss rate: 0.02%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-25 21:42:28

End at: 2018-01-25 21:42:58

Local clock offset: 0.47 ms

Remote clock offset: 0.963 ms

Below is generated by plot.py at 2018-01-26 10:05:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 5.122 ms

Loss rate: 0.02%

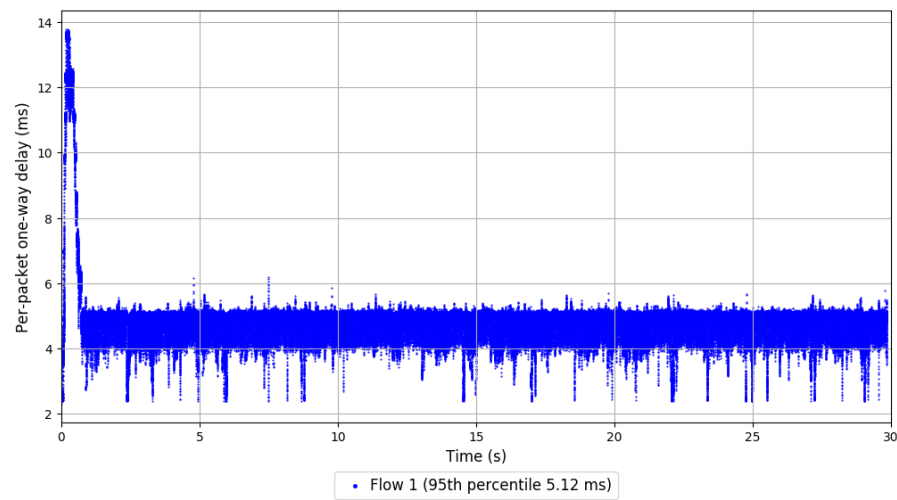
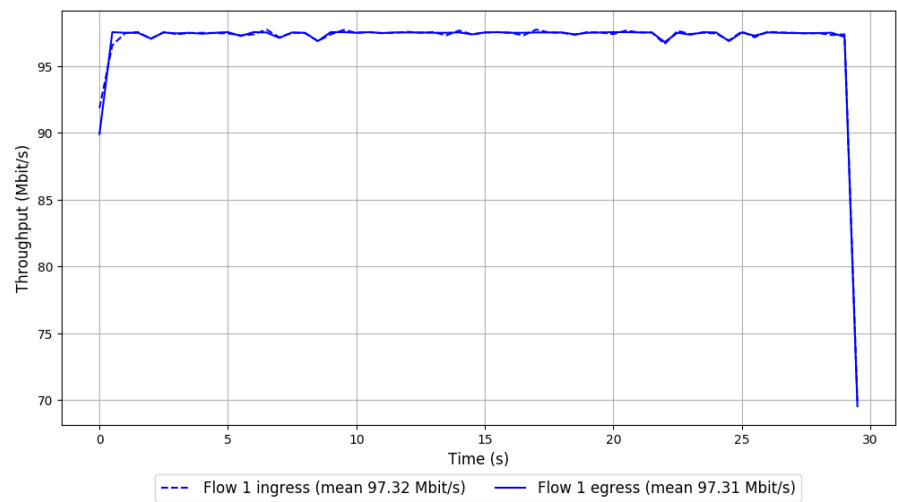
-- Flow 1:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 5.122 ms

Loss rate: 0.02%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-25 22:00:27

End at: 2018-01-25 22:00:57

Local clock offset: 0.39 ms

Remote clock offset: 0.97 ms

Below is generated by plot.py at 2018-01-26 10:05:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.30 Mbit/s

95th percentile per-packet one-way delay: 6.086 ms

Loss rate: 0.03%

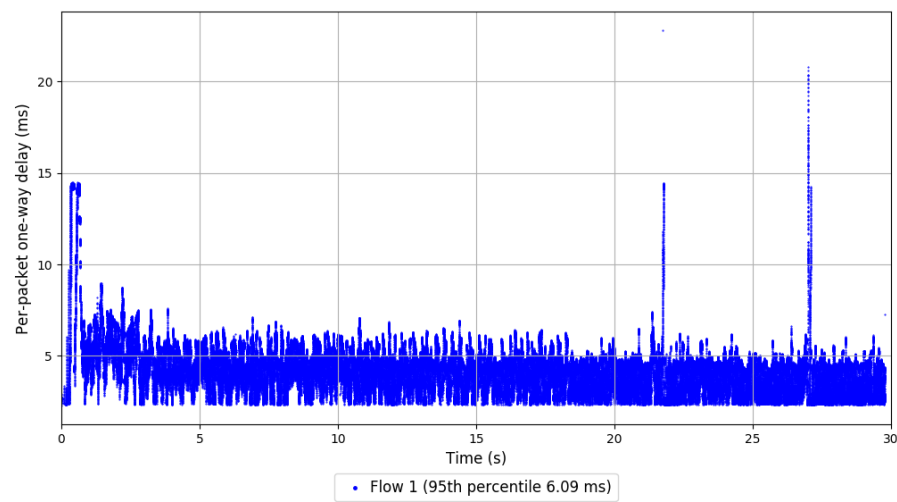
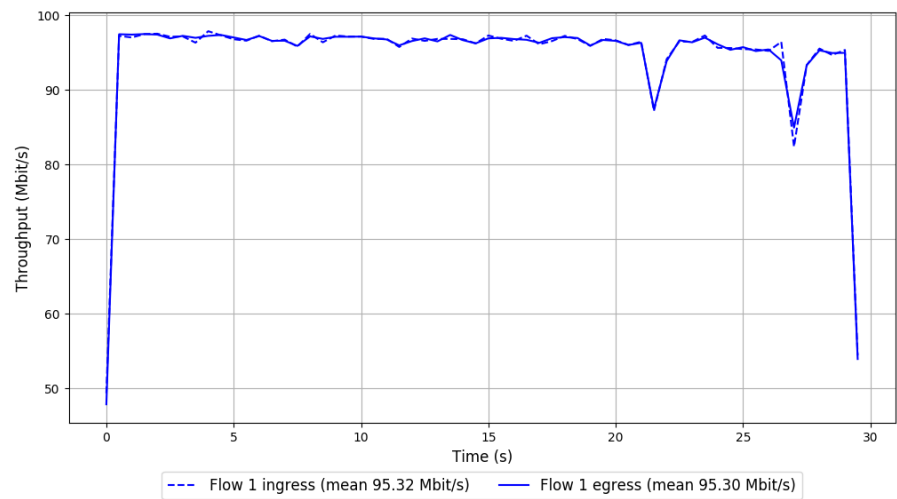
-- Flow 1:

Average throughput: 95.30 Mbit/s

95th percentile per-packet one-way delay: 6.086 ms

Loss rate: 0.03%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-25 22:18:31

End at: 2018-01-25 22:19:01

Local clock offset: 0.212 ms

Remote clock offset: 0.708 ms

Below is generated by plot.py at 2018-01-26 10:05:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.34 Mbit/s

95th percentile per-packet one-way delay: 5.483 ms

Loss rate: 0.02%

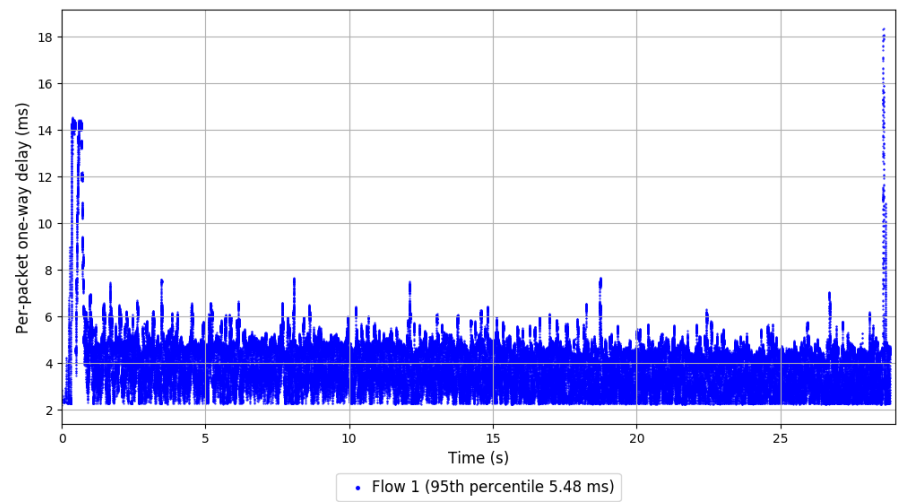
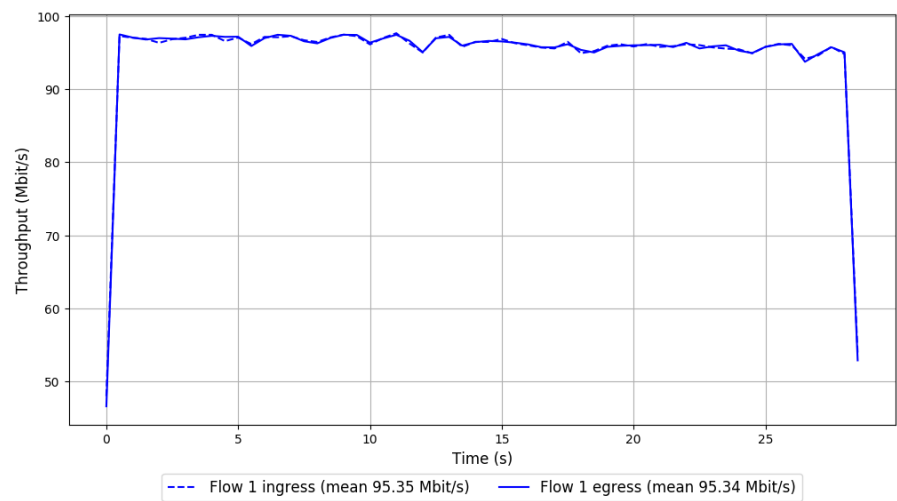
-- Flow 1:

Average throughput: 95.34 Mbit/s

95th percentile per-packet one-way delay: 5.483 ms

Loss rate: 0.02%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-25 22:36:36

End at: 2018-01-25 22:37:07

Local clock offset: 0.136 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-01-26 10:06:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.85 Mbit/s

95th percentile per-packet one-way delay: 5.497 ms

Loss rate: 0.02%

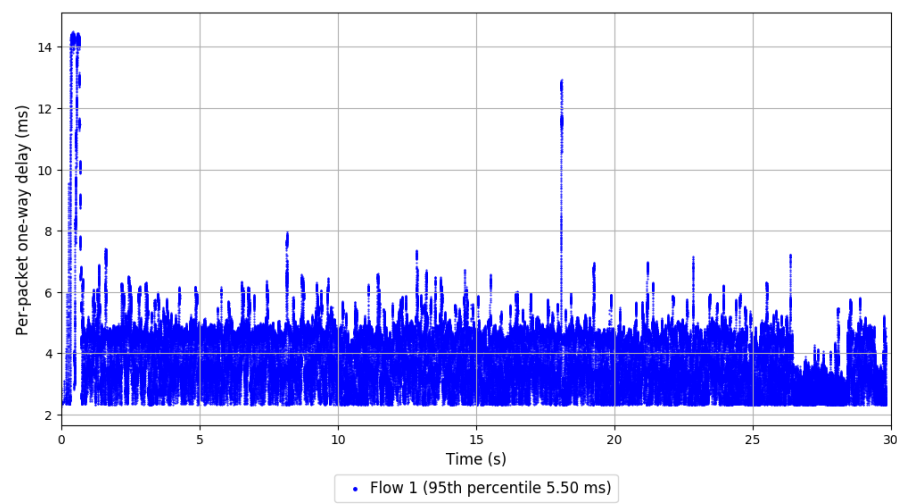
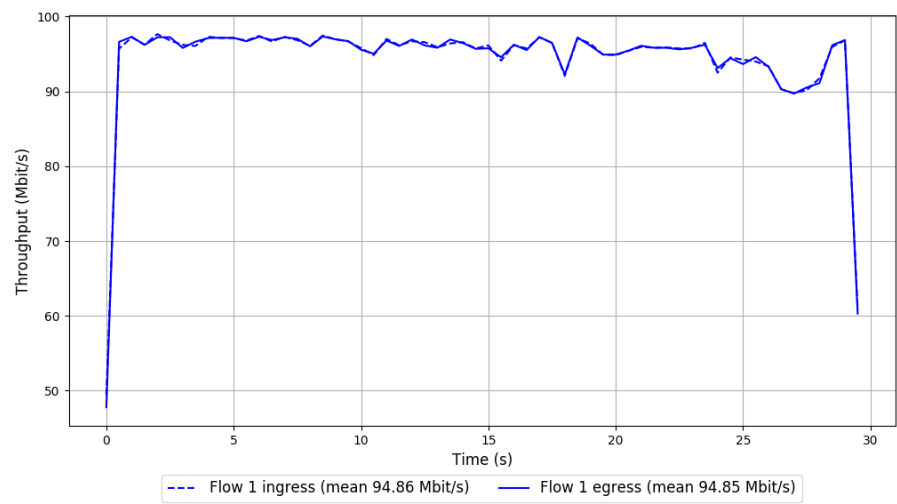
-- Flow 1:

Average throughput: 94.85 Mbit/s

95th percentile per-packet one-way delay: 5.497 ms

Loss rate: 0.02%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-25 22:54:38

End at: 2018-01-25 22:55:08

Local clock offset: 0.121 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-01-26 10:06:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 5.050 ms

Loss rate: 0.02%

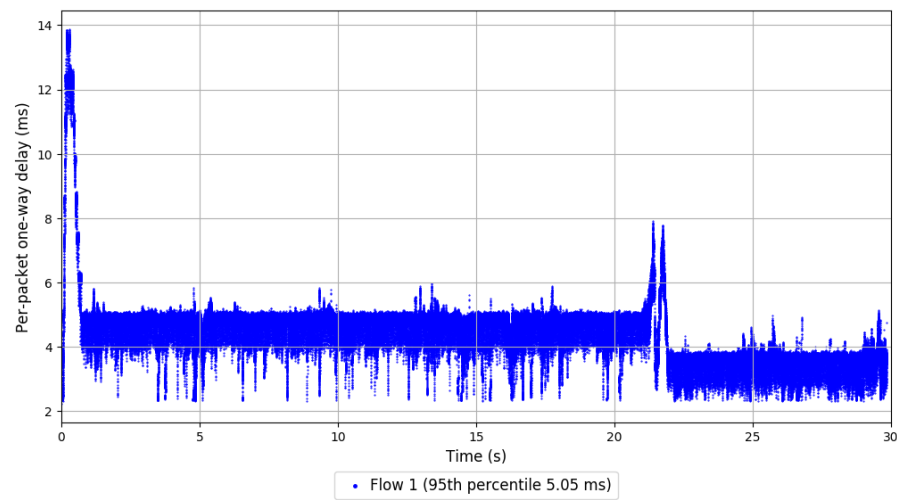
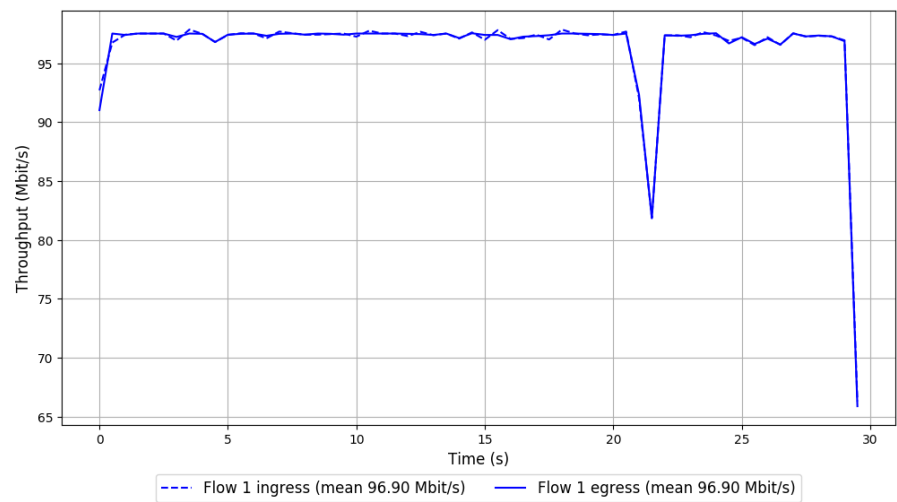
-- Flow 1:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 5.050 ms

Loss rate: 0.02%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-25 23:12:42

End at: 2018-01-25 23:13:12

Local clock offset: 0.108 ms

Remote clock offset: -5.11 ms

Below is generated by plot.py at 2018-01-26 10:06:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 10.042 ms

Loss rate: 0.02%

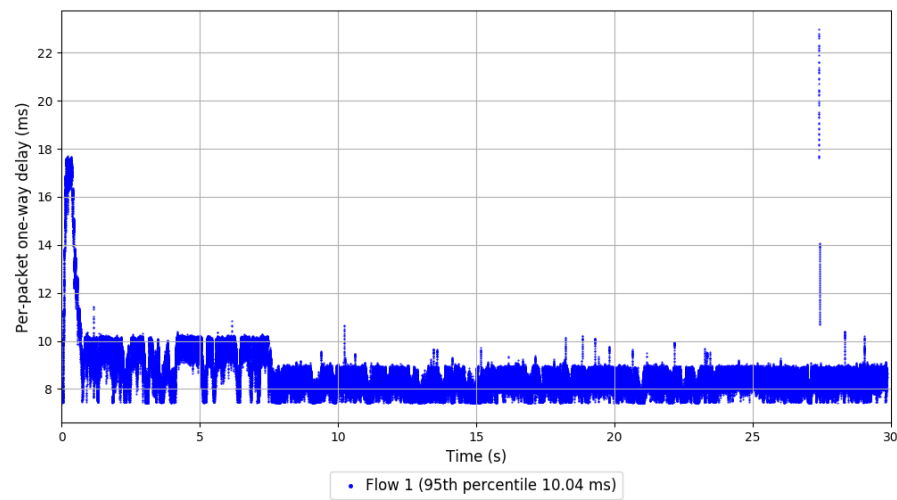
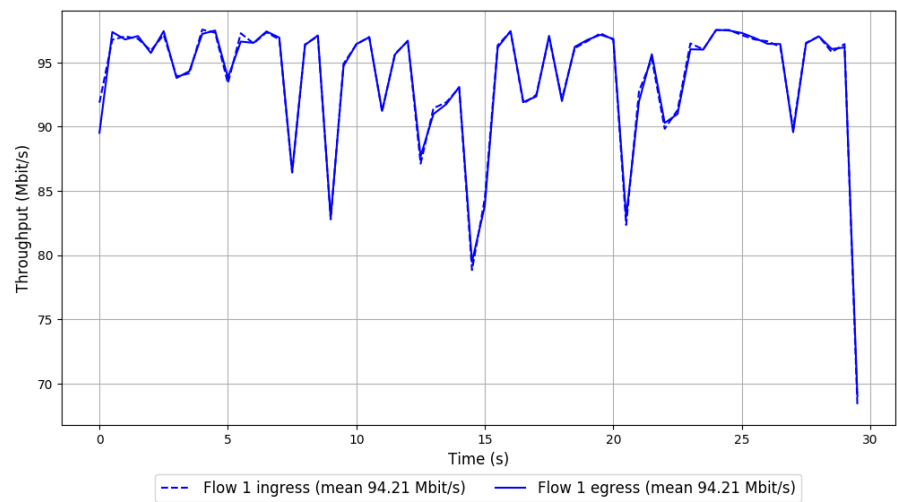
-- Flow 1:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 10.042 ms

Loss rate: 0.02%

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

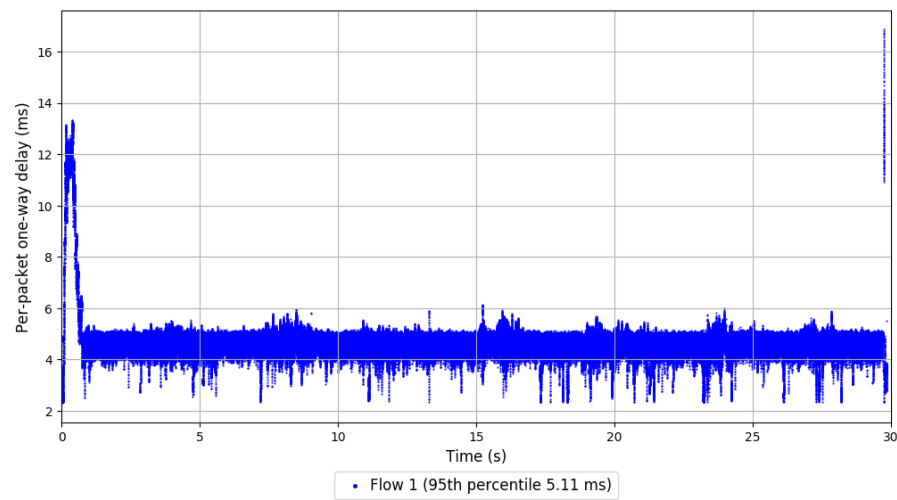
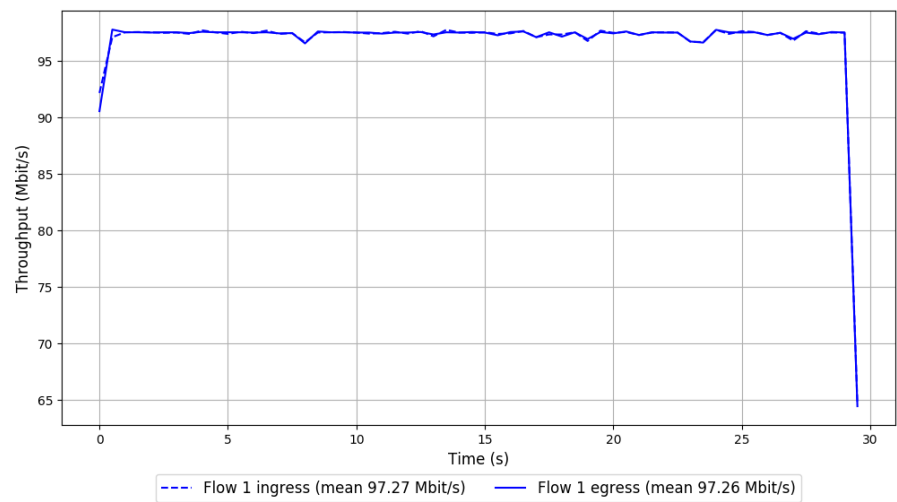


Run 10: Statistics of Indigo-1-32

Start at: 2018-01-25 23:30:46
End at: 2018-01-25 23:31:16
Local clock offset: 0.007 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2018-01-26 10:07:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 5.111 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 5.111 ms
Loss rate: 0.02%

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



Run 1: Statistics of Indigo-1-128

Start at: 2018-01-25 20:43:49

End at: 2018-01-25 20:44:19

Local clock offset: 0.855 ms

Remote clock offset: 0.799 ms

Below is generated by plot.py at 2018-01-26 10:07:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 4.951 ms

Loss rate: 0.02%

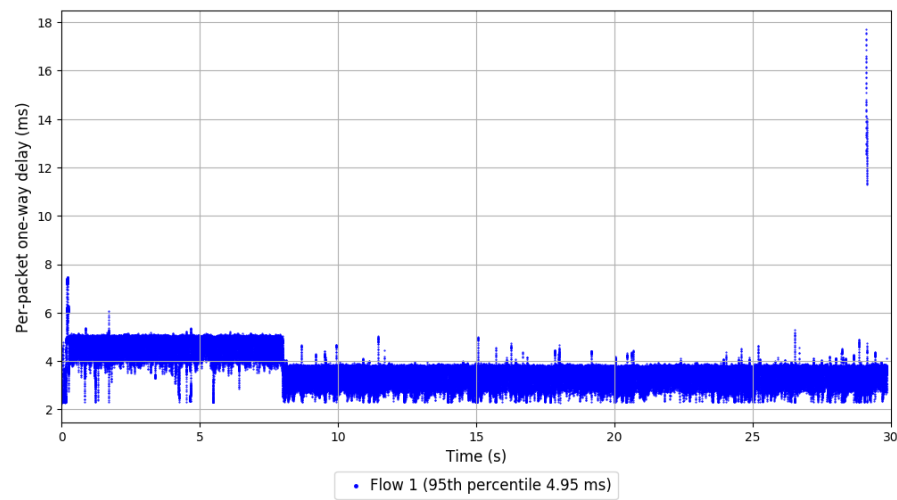
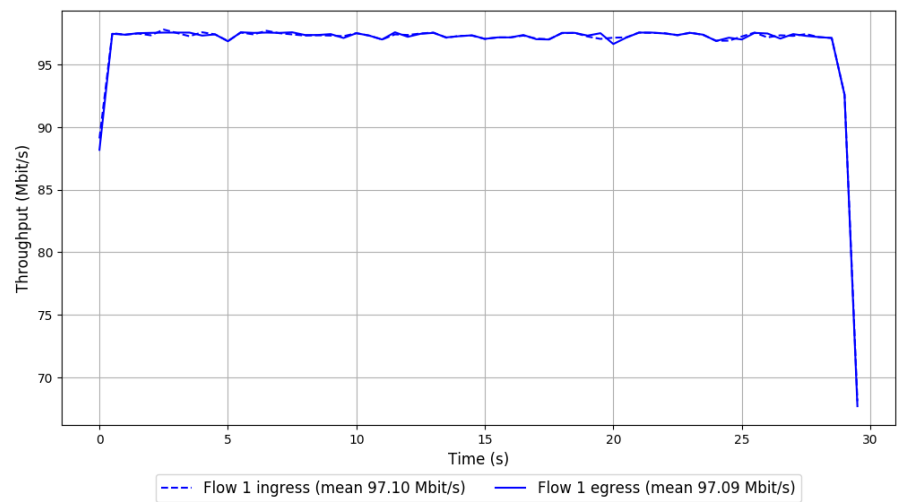
-- Flow 1:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 4.951 ms

Loss rate: 0.02%

Run 1: Report of Indigo-1-128 — Data Link



Run 2: Statistics of Indigo-1-128

Start at: 2018-01-25 21:01:54

End at: 2018-01-25 21:02:24

Local clock offset: 0.833 ms

Remote clock offset: 0.792 ms

Below is generated by plot.py at 2018-01-26 10:07:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 6.404 ms

Loss rate: 0.01%

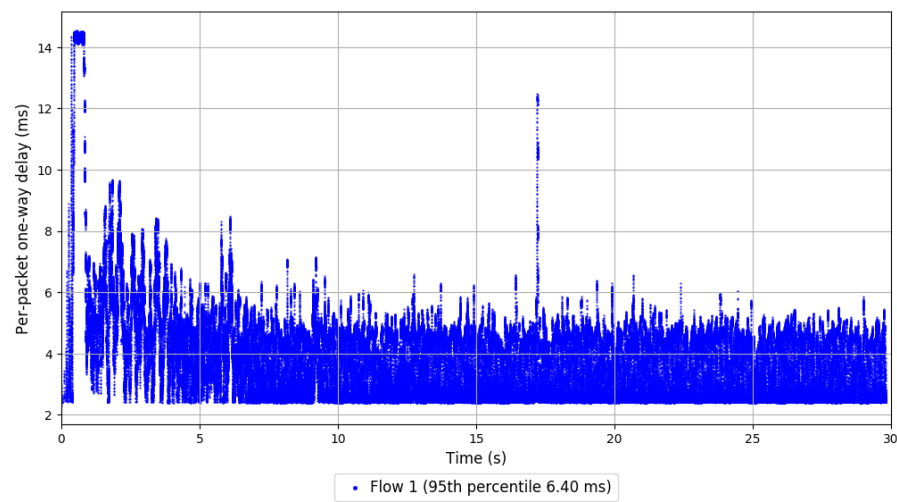
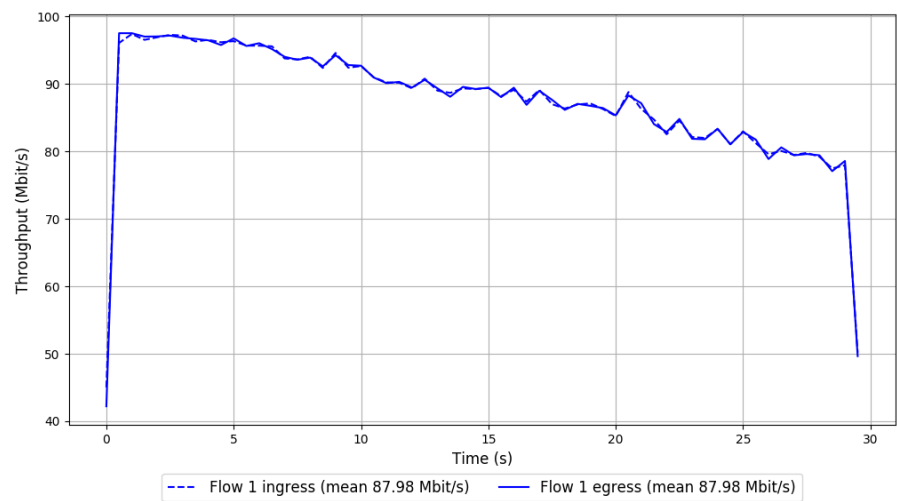
-- Flow 1:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 6.404 ms

Loss rate: 0.01%

Run 2: Report of Indigo-1-128 — Data Link



Run 3: Statistics of Indigo-1-128

Start at: 2018-01-25 21:19:52

End at: 2018-01-25 21:20:22

Local clock offset: 0.539 ms

Remote clock offset: 0.909 ms

Below is generated by plot.py at 2018-01-26 10:07:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.06 Mbit/s

95th percentile per-packet one-way delay: 4.948 ms

Loss rate: 0.02%

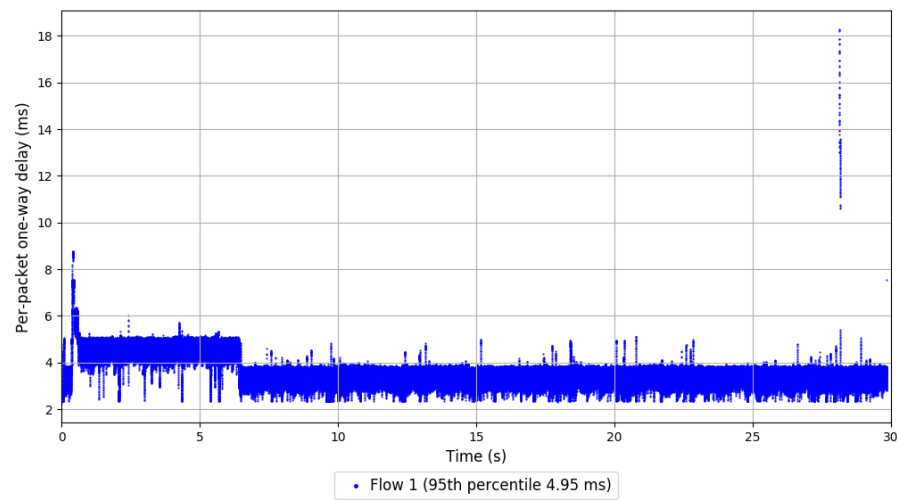
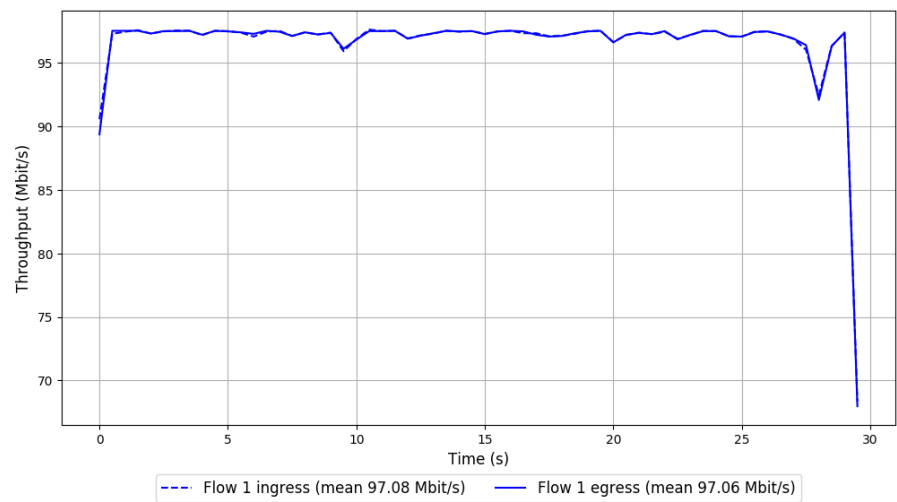
-- Flow 1:

Average throughput: 97.06 Mbit/s

95th percentile per-packet one-way delay: 4.948 ms

Loss rate: 0.02%

Run 3: Report of Indigo-1-128 — Data Link



Run 4: Statistics of Indigo-1-128

Start at: 2018-01-25 21:37:57

End at: 2018-01-25 21:38:27

Local clock offset: 0.494 ms

Remote clock offset: 1.026 ms

Below is generated by plot.py at 2018-01-26 10:07:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 3.793 ms

Loss rate: 0.02%

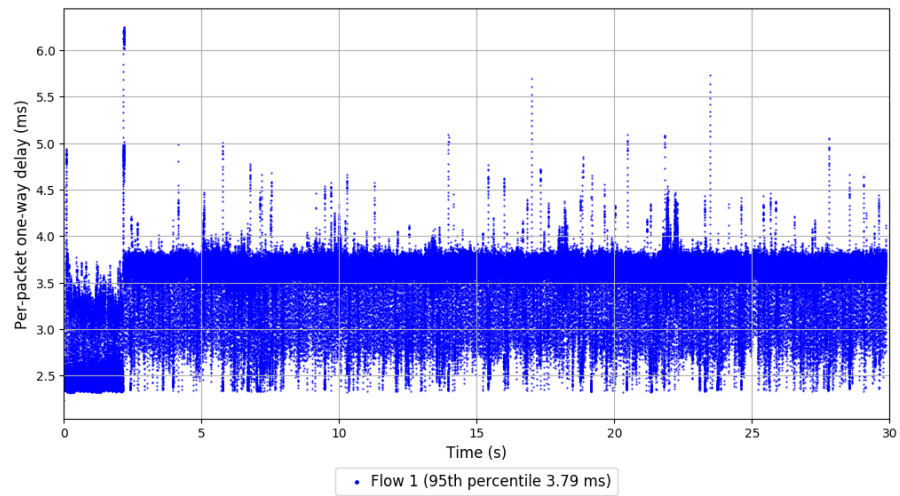
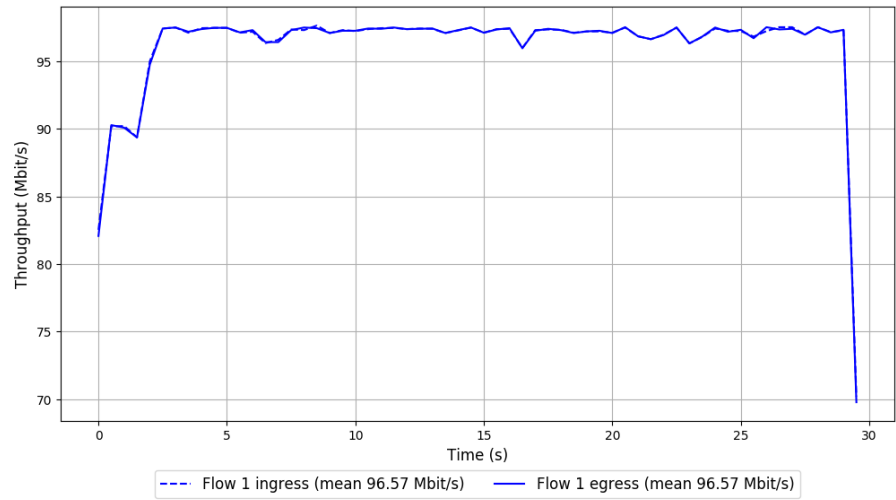
-- Flow 1:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 3.793 ms

Loss rate: 0.02%

Run 4: Report of Indigo-1-128 — Data Link



Run 5: Statistics of Indigo-1-128

Start at: 2018-01-25 21:55:56

End at: 2018-01-25 21:56:26

Local clock offset: 0.406 ms

Remote clock offset: 0.931 ms

Below is generated by plot.py at 2018-01-26 10:07:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.79 Mbit/s

95th percentile per-packet one-way delay: 6.146 ms

Loss rate: 0.02%

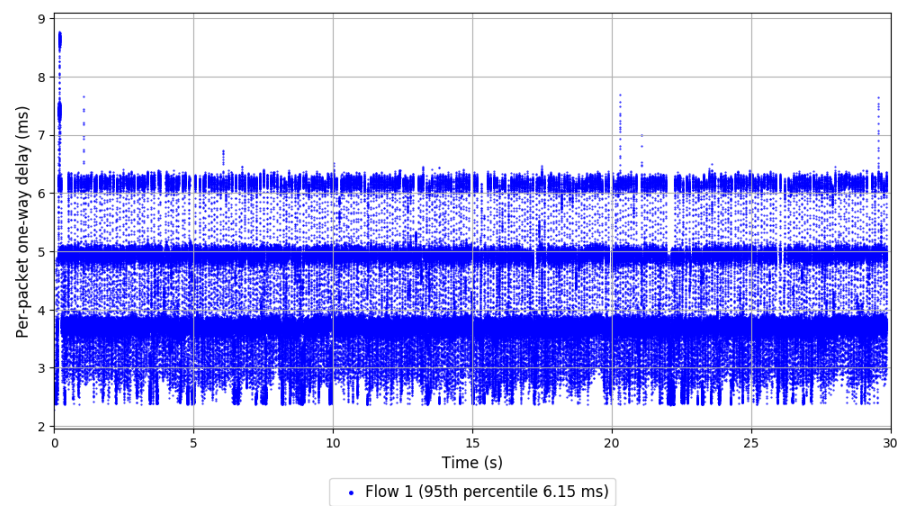
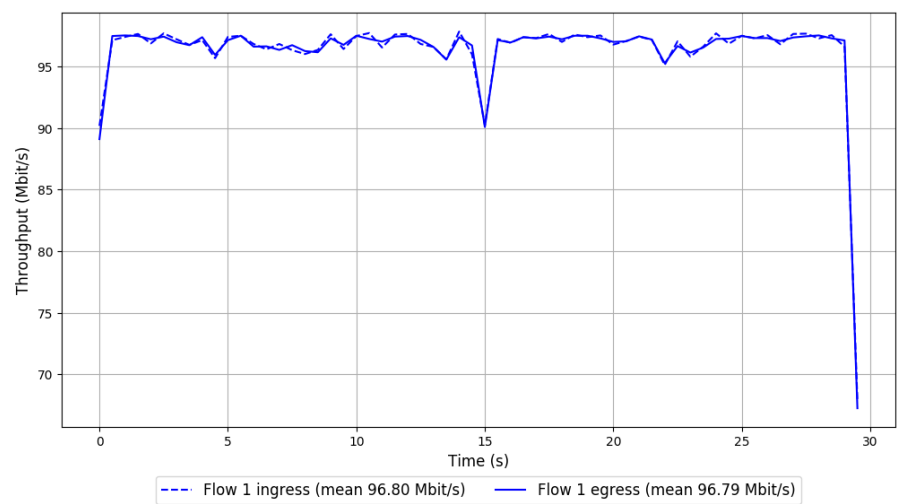
-- Flow 1:

Average throughput: 96.79 Mbit/s

95th percentile per-packet one-way delay: 6.146 ms

Loss rate: 0.02%

Run 5: Report of Indigo-1-128 — Data Link



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-25 22:14:01

End at: 2018-01-25 22:14:31

Local clock offset: 0.329 ms

Remote clock offset: 0.815 ms

Below is generated by plot.py at 2018-01-26 10:07:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.47 Mbit/s

95th percentile per-packet one-way delay: 4.880 ms

Loss rate: 0.01%

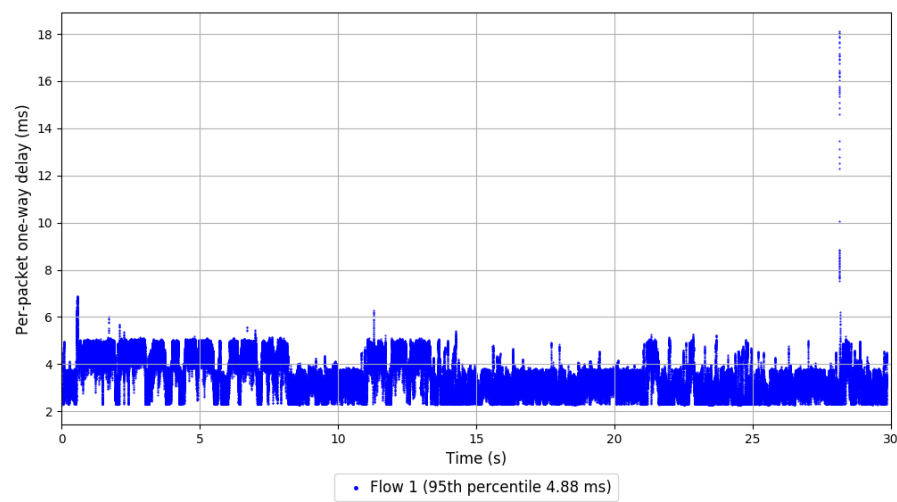
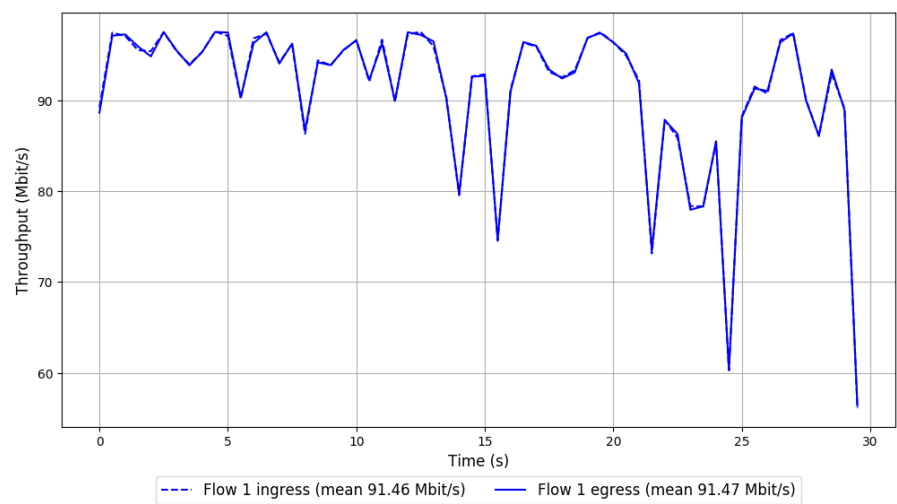
-- Flow 1:

Average throughput: 91.47 Mbit/s

95th percentile per-packet one-way delay: 4.880 ms

Loss rate: 0.01%

Run 6: Report of Indigo-1-128 — Data Link



Run 7: Statistics of Indigo-1-128

Start at: 2018-01-25 22:32:06

End at: 2018-01-25 22:32:36

Local clock offset: 0.212 ms

Remote clock offset: -0.4 ms

Below is generated by plot.py at 2018-01-26 10:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 7.182 ms

Loss rate: 0.02%

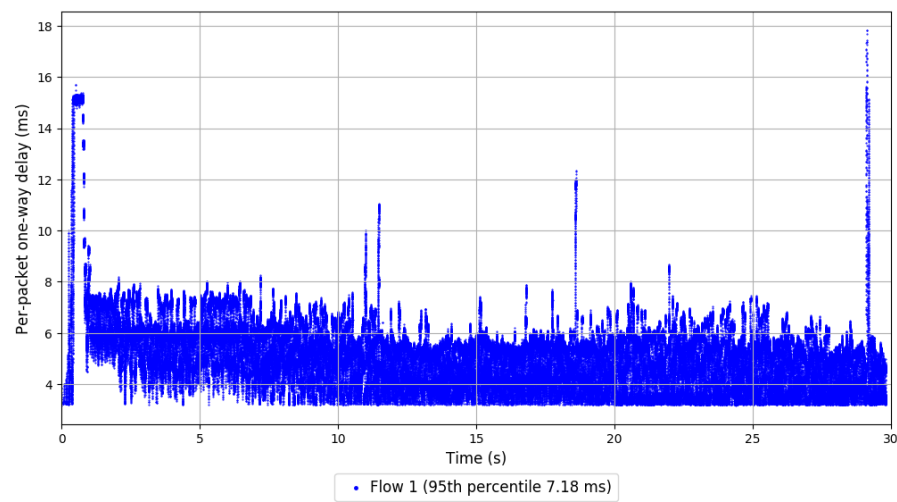
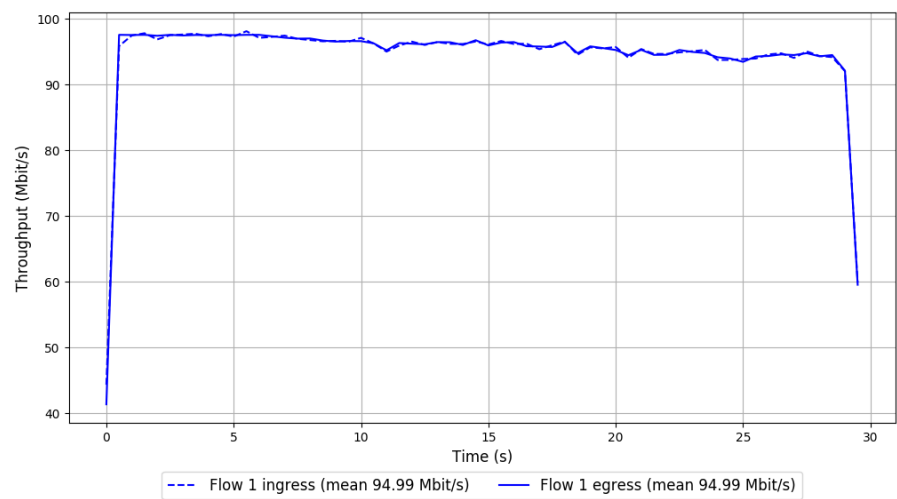
-- Flow 1:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 7.182 ms

Loss rate: 0.02%

Run 7: Report of Indigo-1-128 — Data Link



Run 8: Statistics of Indigo-1-128

Start at: 2018-01-25 22:50:11

End at: 2018-01-25 22:50:41

Local clock offset: 0.178 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-01-26 10:08:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 6.153 ms

Loss rate: 0.02%

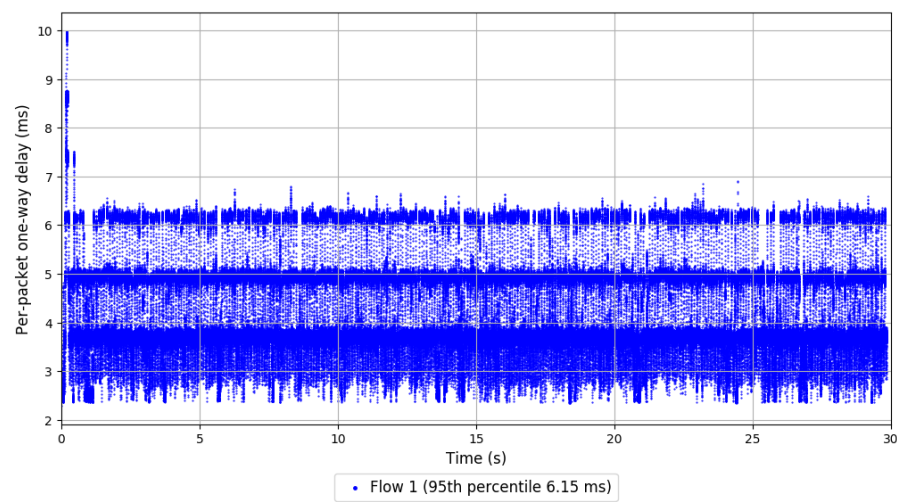
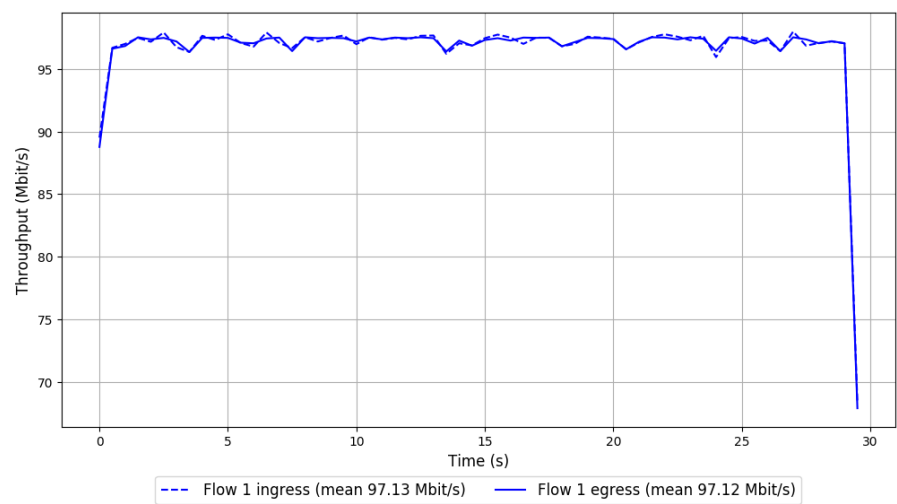
-- Flow 1:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 6.153 ms

Loss rate: 0.02%

Run 8: Report of Indigo-1-128 — Data Link



Run 9: Statistics of Indigo-1-128

Start at: 2018-01-25 23:08:11

End at: 2018-01-25 23:08:41

Local clock offset: 0.07 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-01-26 10:08:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 4.864 ms

Loss rate: 0.03%

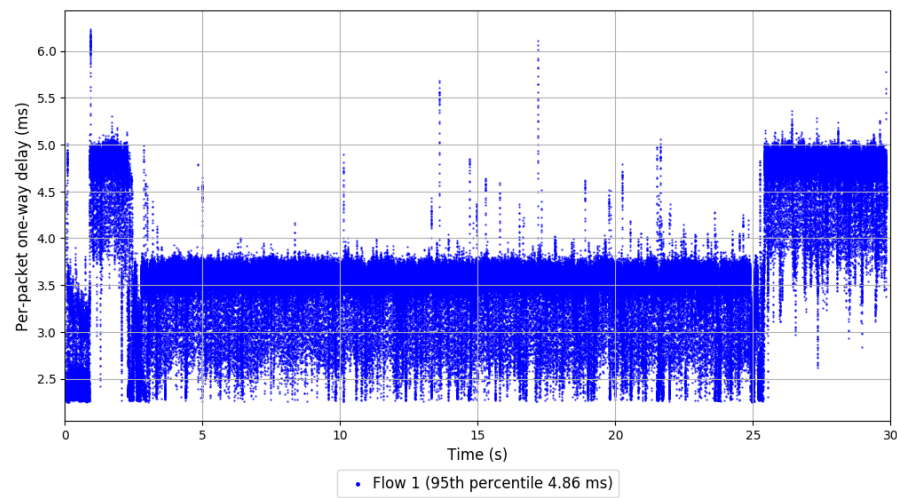
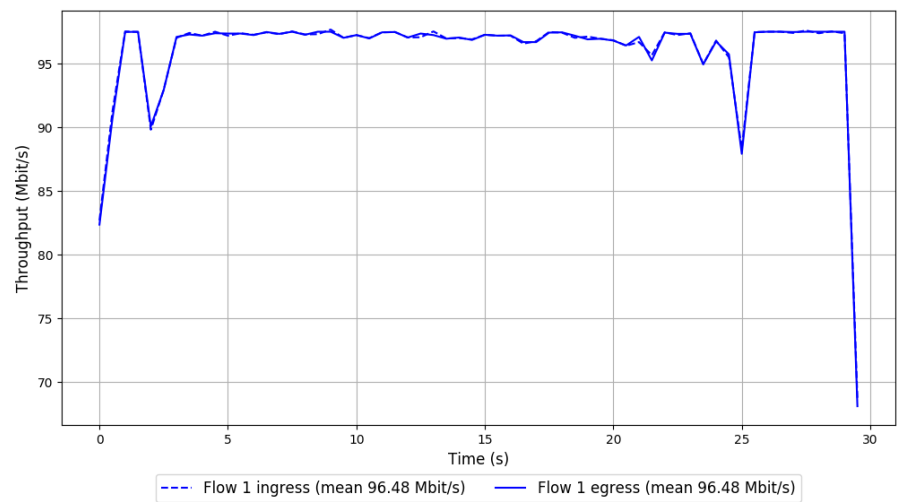
-- Flow 1:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 4.864 ms

Loss rate: 0.03%

Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-25 23:26:15

End at: 2018-01-25 23:26:45

Local clock offset: 0.016 ms

Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-01-26 10:08:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.78 Mbit/s

95th percentile per-packet one-way delay: 6.083 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 96.78 Mbit/s

95th percentile per-packet one-way delay: 6.083 ms

Loss rate: 0.02%

Run 10: Report of Indigo-1-128 — Data Link

