

Pantheon Report

Generated at 2018-01-26 02:43:11 (UTC).

Data path: GCE London Ethernet (*remote*) → GCE Iowa Ethernet (*local*).

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

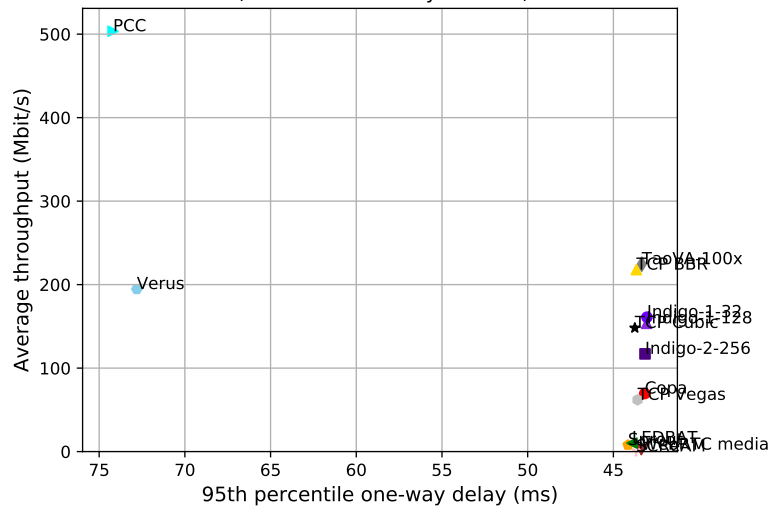
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

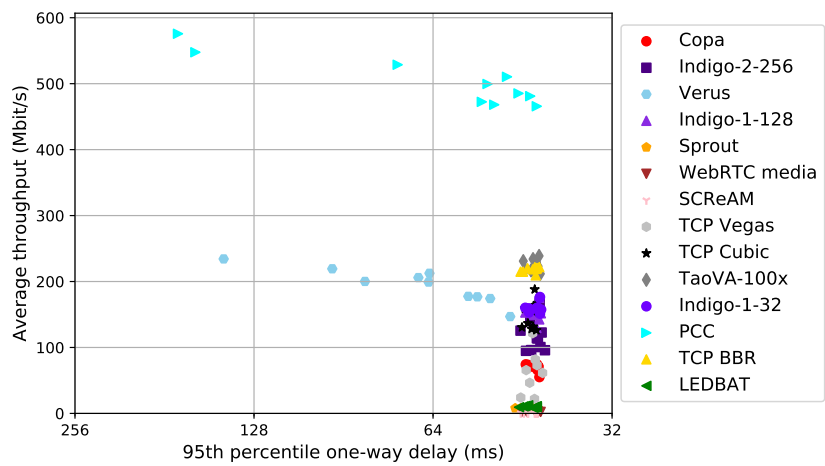
Git summary:

```
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 @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE London Ethernet to GCE Iowa Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE London Ethernet to GCE Iowa 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	9	217.93	43.66	0.32
TCP Cubic	10	148.13	43.75	0.28
LEDBAT	9	10.15	43.92	0.33
PCC	10	503.46	74.19	0.77
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.22	43.67	0.32
WebRTC media	10	2.30	43.37	0.41
Sprout	10	7.94	44.15	0.37
TaoVA-100x	10	224.46	43.35	0.35
TCP Vegas	8	61.97	43.59	0.37
Verus	10	194.67	72.81	0.33
Copa	10	69.53	43.17	0.35
Indigo-2-256	10	117.01	43.16	0.31
Indigo-1-32	10	160.98	43.04	0.33
Indigo-1-128	9	153.63	43.06	0.32

Run 1: Statistics of TCP BBR

Start at: 2018-01-25 22:03:29

End at: 2018-01-25 22:03:59

Below is generated by plot.py at 2018-01-26 02:01:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.71 Mbit/s

95th percentile per-packet one-way delay: 43.158 ms

Loss rate: 0.35%

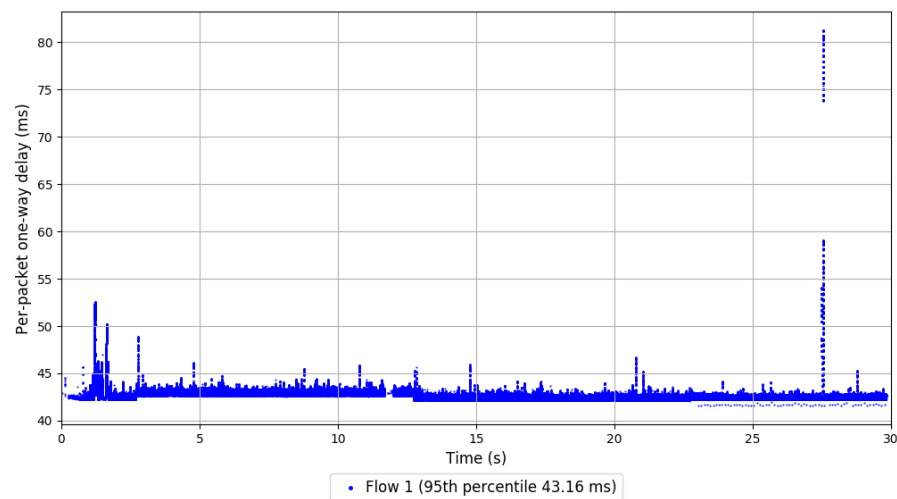
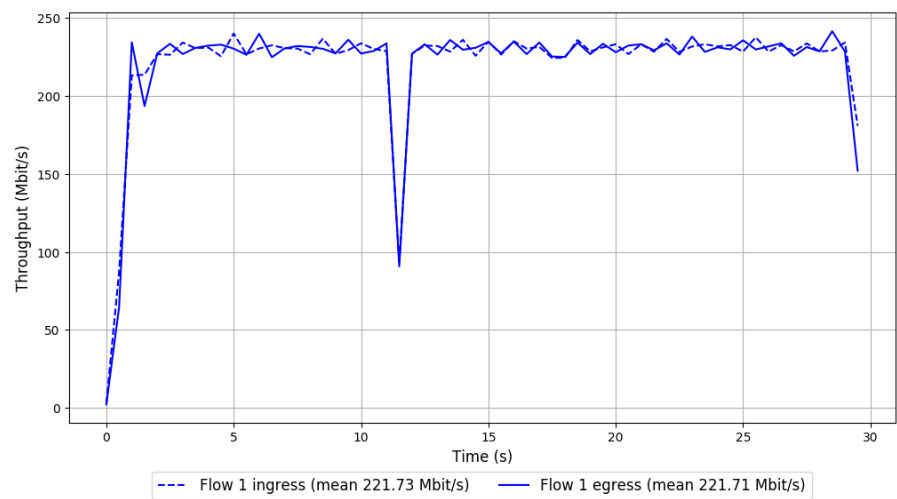
-- Flow 1:

Average throughput: 221.71 Mbit/s

95th percentile per-packet one-way delay: 43.158 ms

Loss rate: 0.35%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-25 22:15:19

End at: 2018-01-25 22:15:49

Below is generated by plot.py at 2018-01-26 02:01:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.65 Mbit/s

95th percentile per-packet one-way delay: 42.807 ms

Loss rate: 0.37%

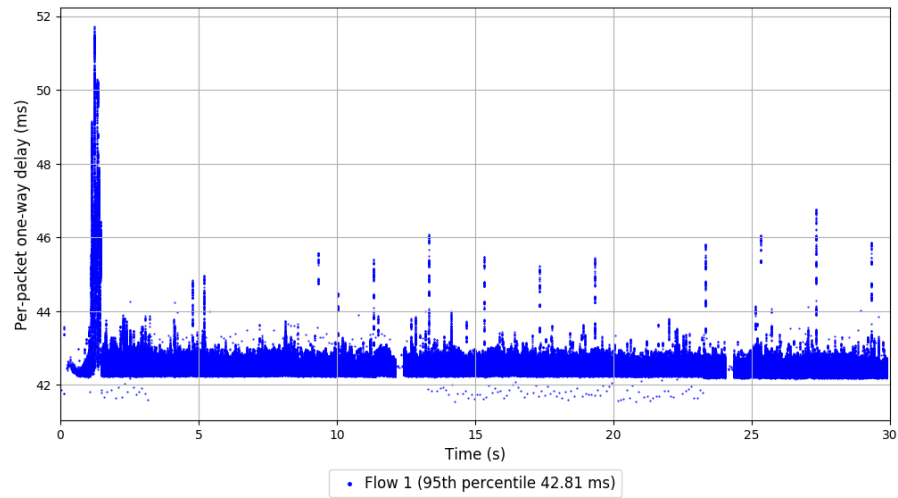
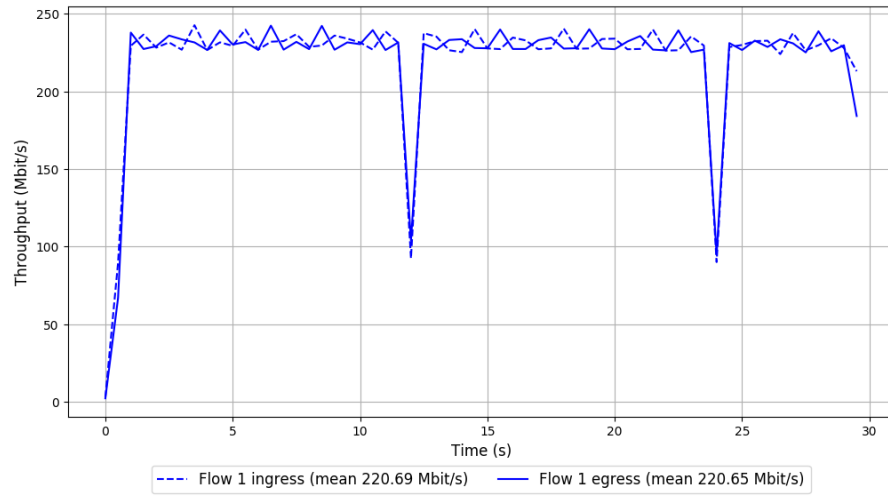
-- Flow 1:

Average throughput: 220.65 Mbit/s

95th percentile per-packet one-way delay: 42.807 ms

Loss rate: 0.37%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-25 22:27:07

End at: 2018-01-25 22:27:37

Below is generated by plot.py at 2018-01-26 02:01:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.36 Mbit/s

95th percentile per-packet one-way delay: 42.997 ms

Loss rate: 0.37%

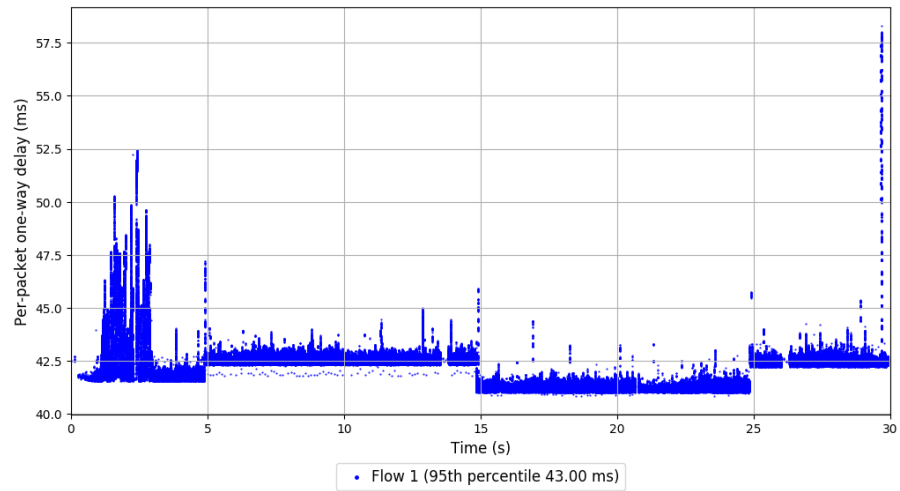
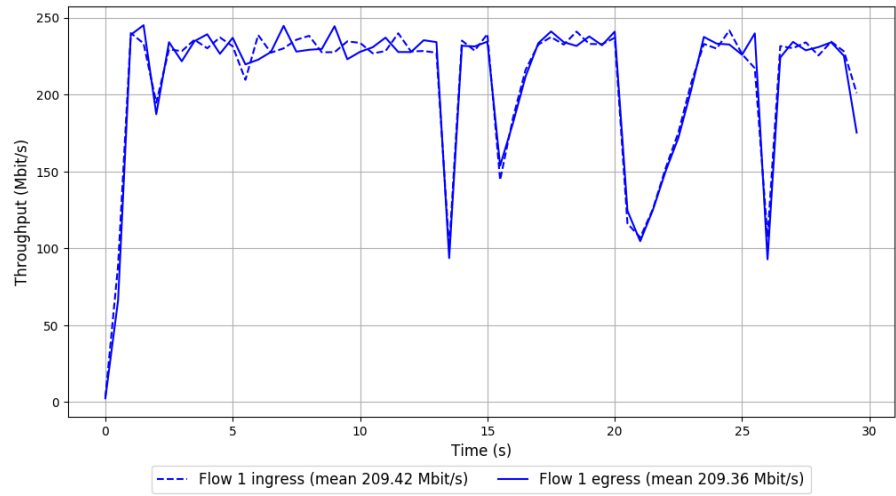
-- Flow 1:

Average throughput: 209.36 Mbit/s

95th percentile per-packet one-way delay: 42.997 ms

Loss rate: 0.37%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-25 22:39:03

End at: 2018-01-25 22:39:33

Run 4: Report of TCP BBR — Data Link

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Run 5: Statistics of TCP BBR

Start at: 2018-01-25 22:50:39

End at: 2018-01-25 22:51:09

Below is generated by plot.py at 2018-01-26 02:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.93 Mbit/s

95th percentile per-packet one-way delay: 42.418 ms

Loss rate: 0.36%

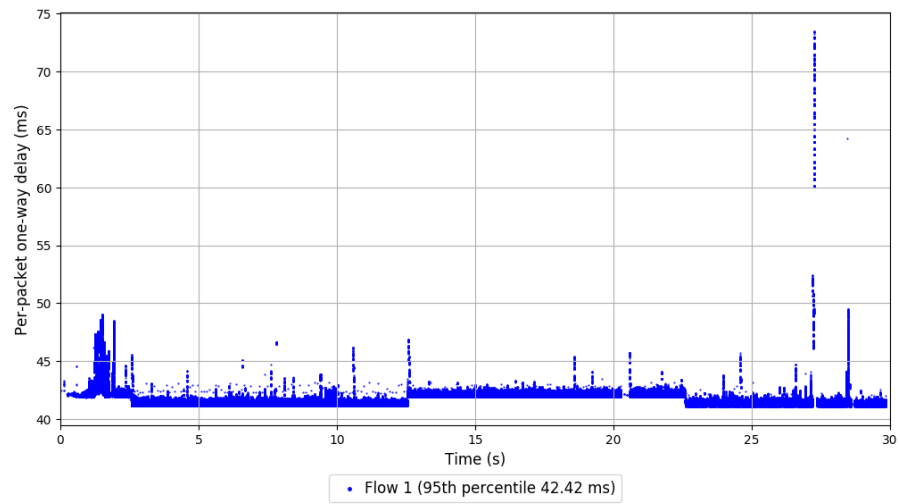
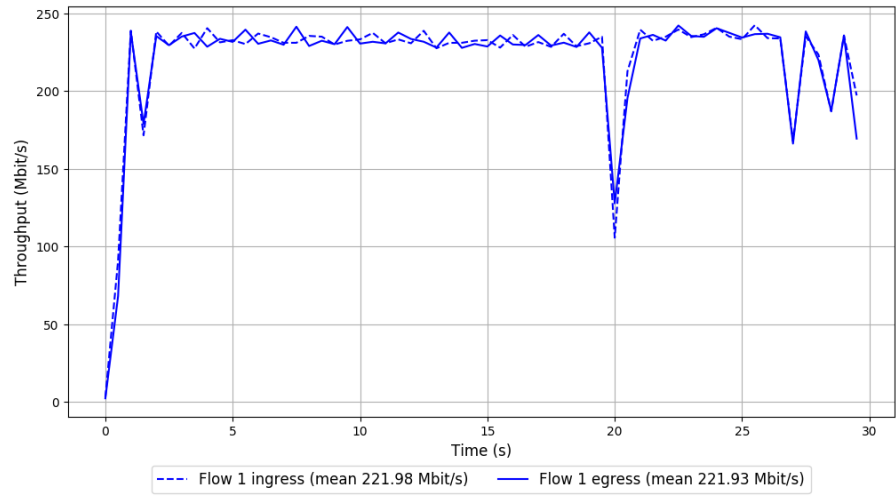
-- Flow 1:

Average throughput: 221.93 Mbit/s

95th percentile per-packet one-way delay: 42.418 ms

Loss rate: 0.36%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-25 23:02:21

End at: 2018-01-25 23:02:51

Below is generated by plot.py at 2018-01-26 02:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.09 Mbit/s

95th percentile per-packet one-way delay: 42.888 ms

Loss rate: 0.00%

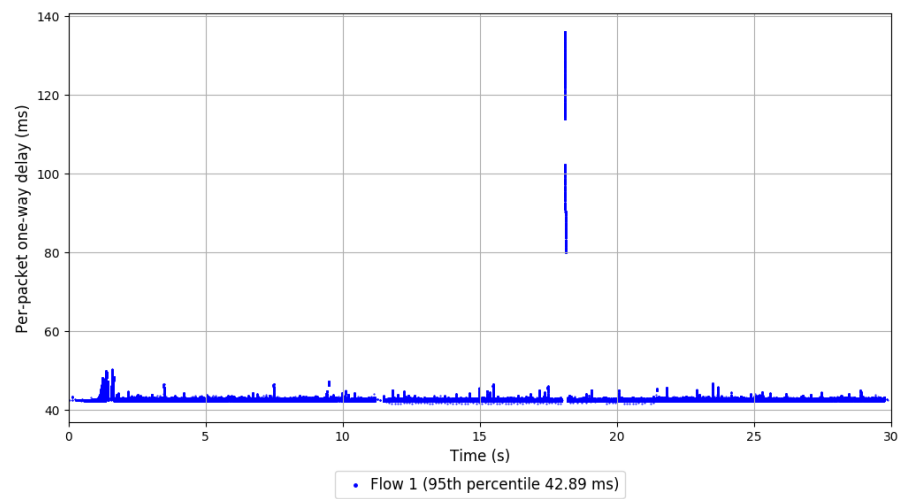
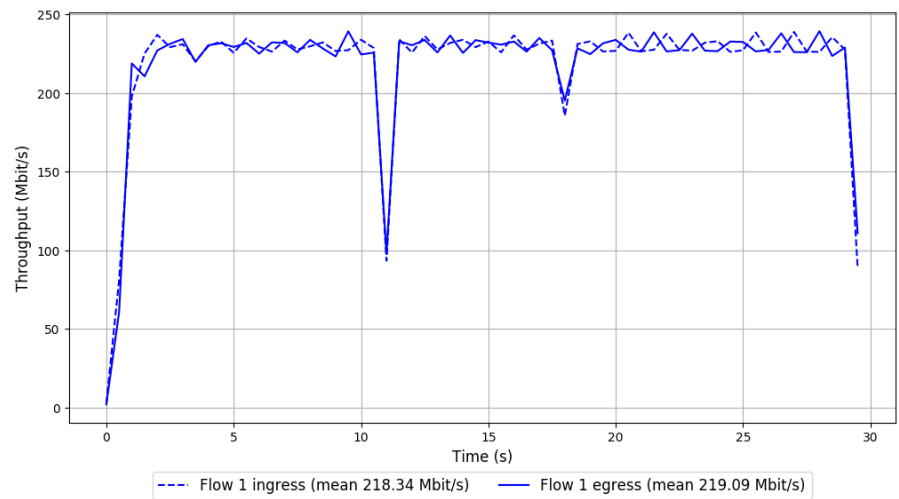
-- Flow 1:

Average throughput: 219.09 Mbit/s

95th percentile per-packet one-way delay: 42.888 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-25 23:14:04

End at: 2018-01-25 23:14:34

Below is generated by plot.py at 2018-01-26 02:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.56 Mbit/s

95th percentile per-packet one-way delay: 43.490 ms

Loss rate: 0.36%

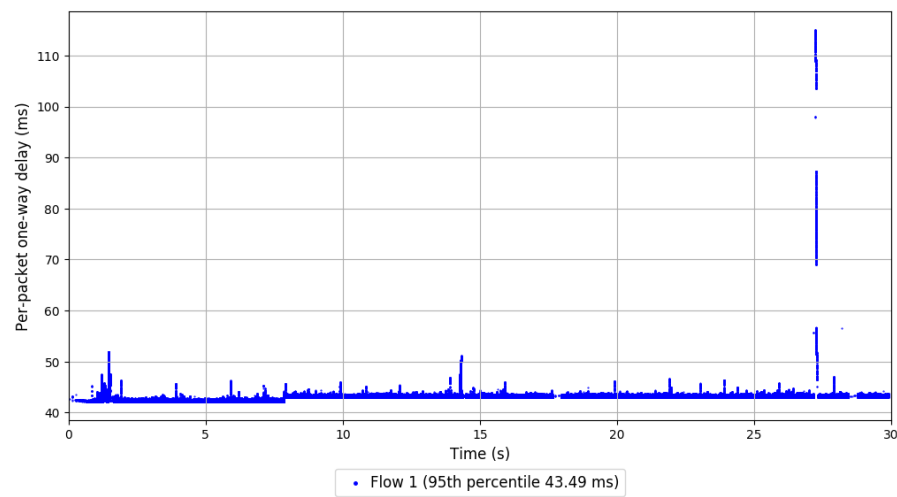
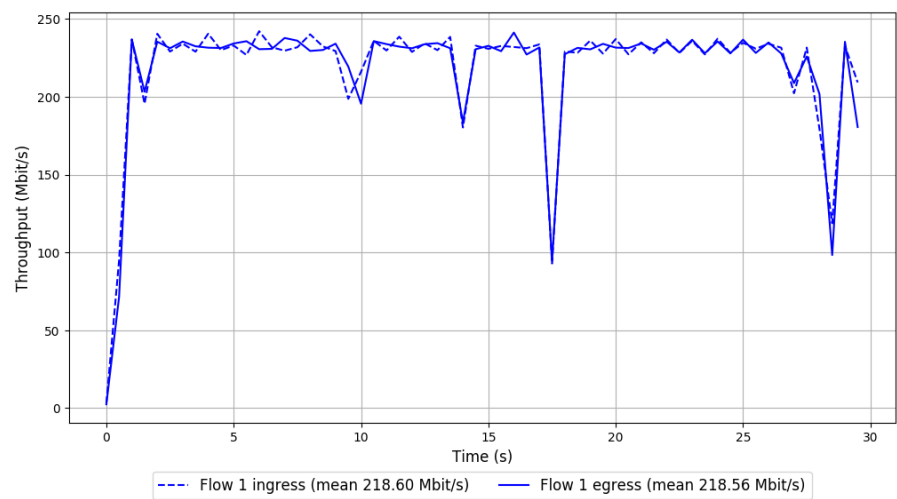
-- Flow 1:

Average throughput: 218.56 Mbit/s

95th percentile per-packet one-way delay: 43.490 ms

Loss rate: 0.36%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-25 23:25:57

End at: 2018-01-25 23:26:27

Below is generated by plot.py at 2018-01-26 02:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.15 Mbit/s

95th percentile per-packet one-way delay: 44.390 ms

Loss rate: 0.36%

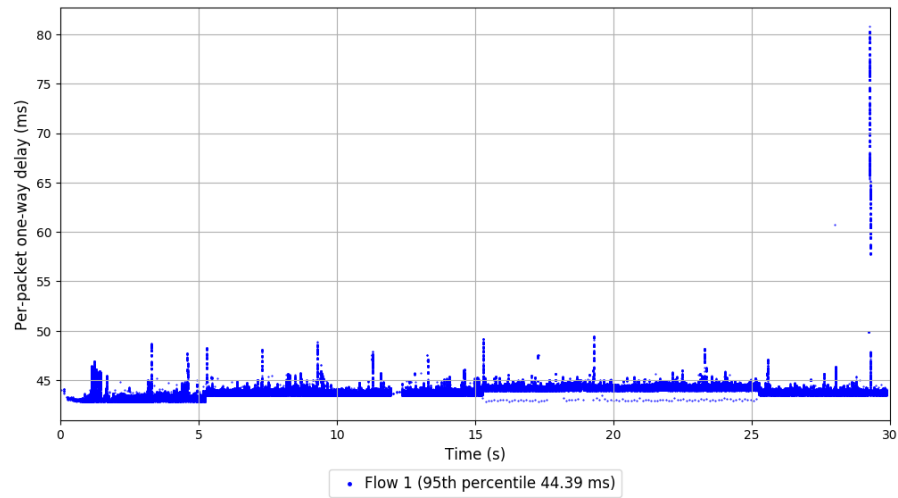
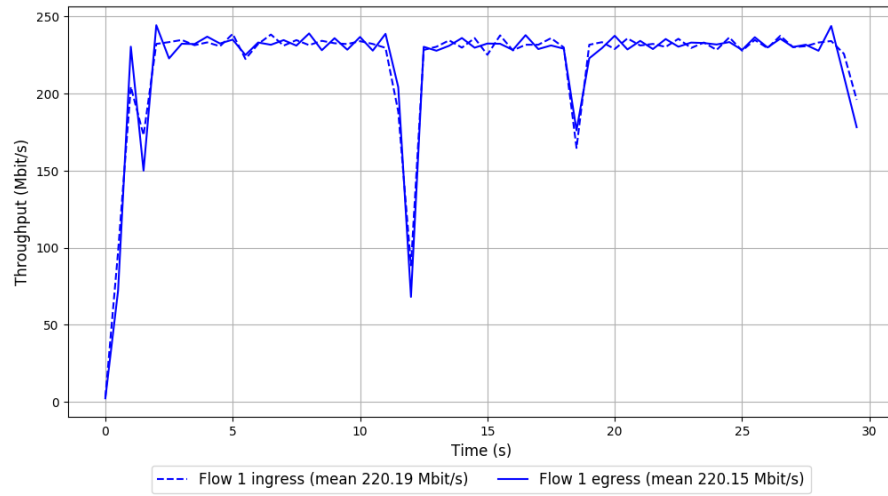
-- Flow 1:

Average throughput: 220.15 Mbit/s

95th percentile per-packet one-way delay: 44.390 ms

Loss rate: 0.36%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-25 23:37:48

End at: 2018-01-25 23:38:18

Below is generated by plot.py at 2018-01-26 02:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.92 Mbit/s

95th percentile per-packet one-way delay: 45.181 ms

Loss rate: 0.34%

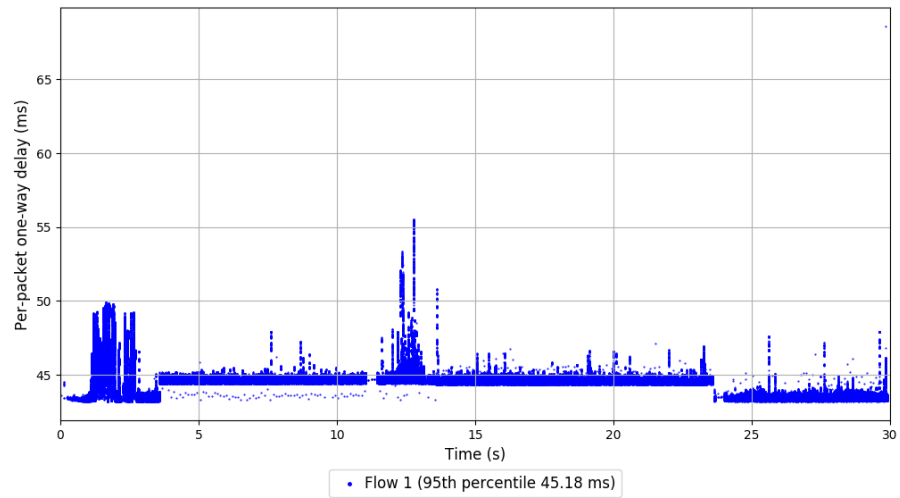
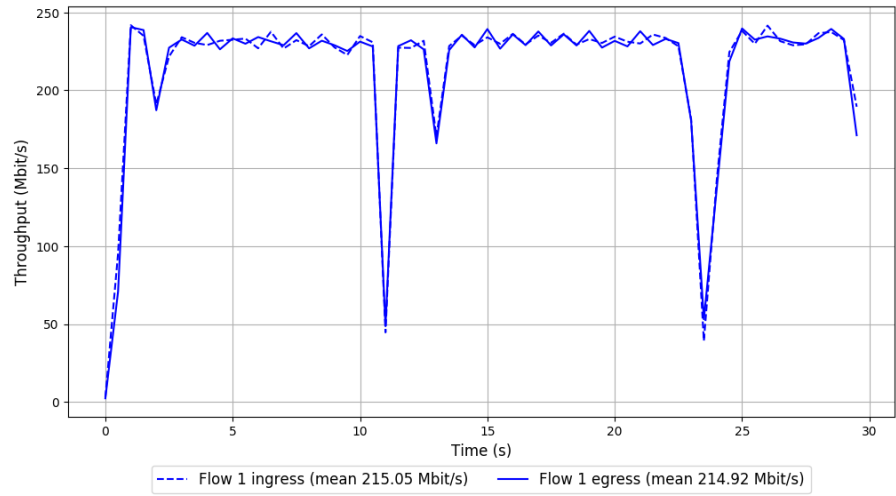
-- Flow 1:

Average throughput: 214.92 Mbit/s

95th percentile per-packet one-way delay: 45.181 ms

Loss rate: 0.34%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-25 23:49:33

End at: 2018-01-25 23:50:03

Below is generated by plot.py at 2018-01-26 02:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.96 Mbit/s

95th percentile per-packet one-way delay: 45.605 ms

Loss rate: 0.37%

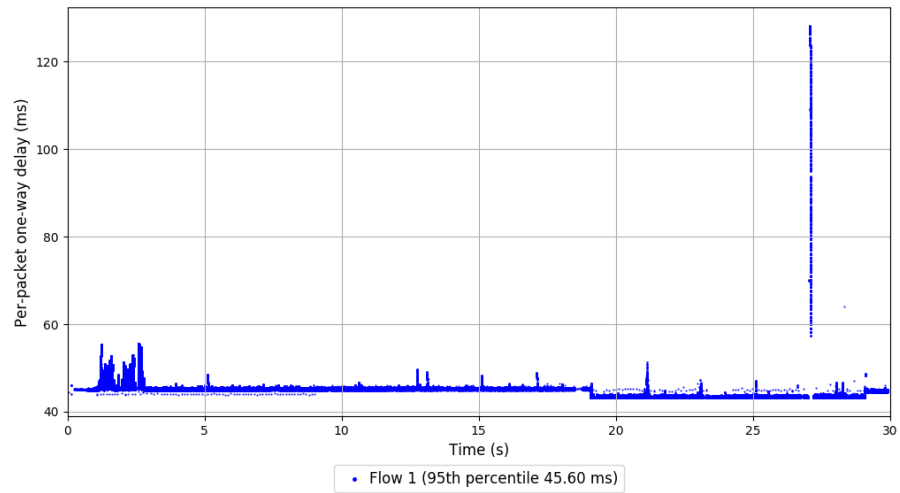
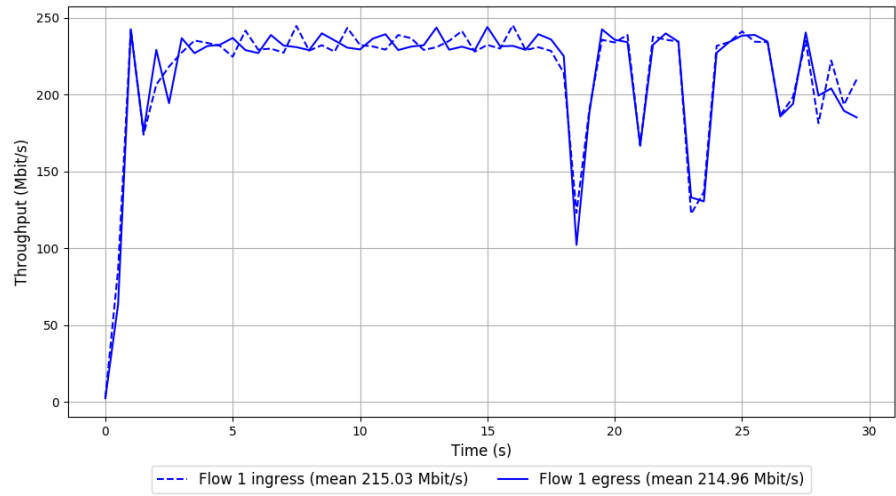
-- Flow 1:

Average throughput: 214.96 Mbit/s

95th percentile per-packet one-way delay: 45.605 ms

Loss rate: 0.37%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-25 22:00:15

End at: 2018-01-25 22:00:45

Below is generated by plot.py at 2018-01-26 02:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.90 Mbit/s

95th percentile per-packet one-way delay: 43.379 ms

Loss rate: 0.23%

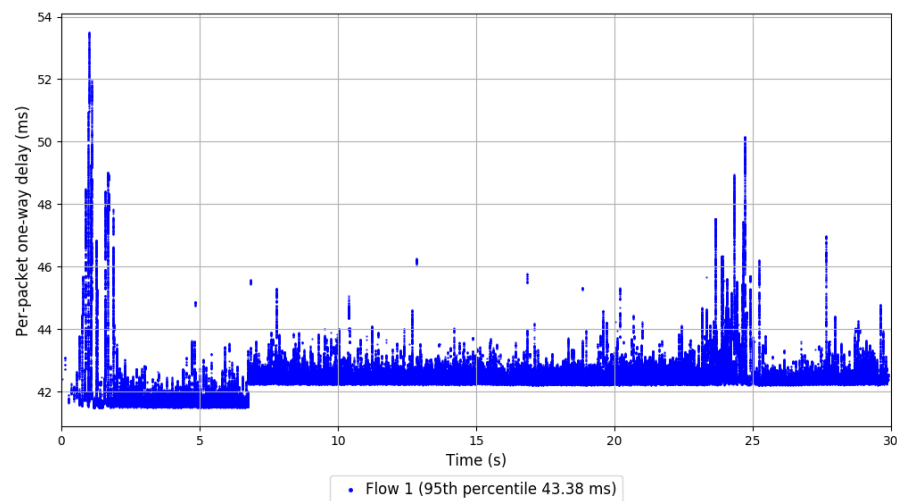
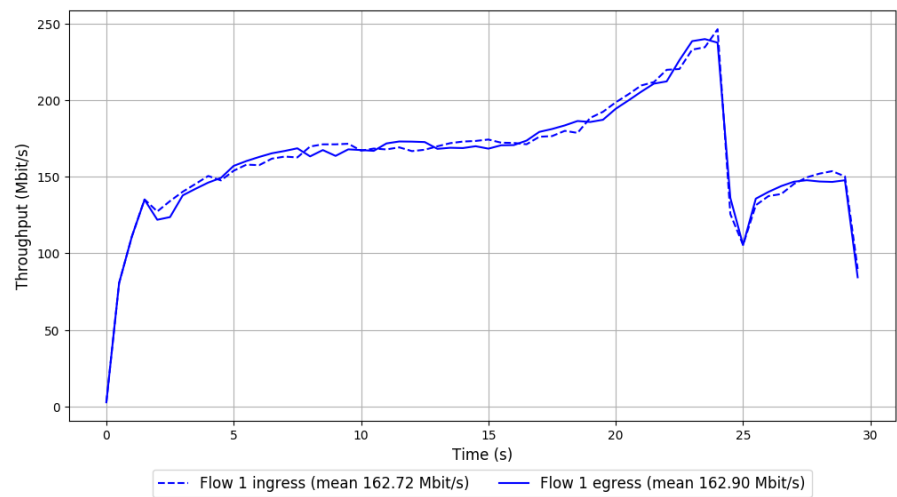
-- Flow 1:

Average throughput: 162.90 Mbit/s

95th percentile per-packet one-way delay: 43.379 ms

Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-25 22:12:05

End at: 2018-01-25 22:12:35

Below is generated by plot.py at 2018-01-26 02:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.11 Mbit/s

95th percentile per-packet one-way delay: 43.679 ms

Loss rate: 0.25%

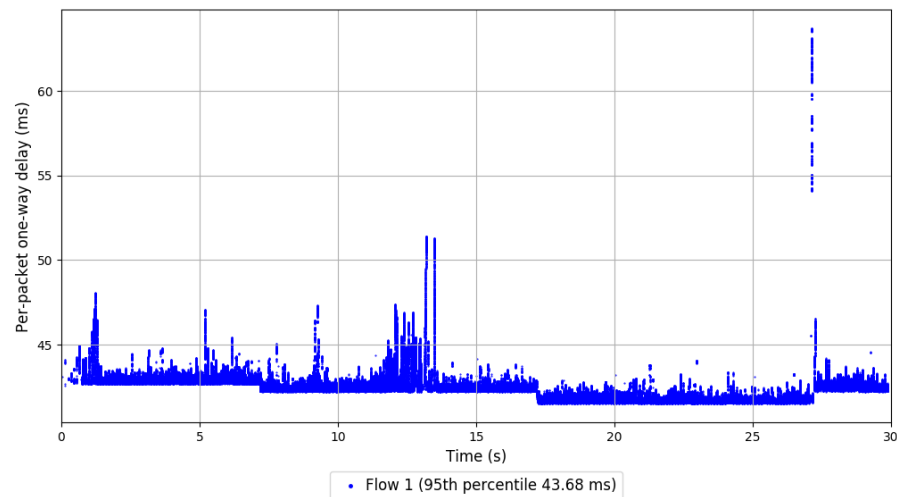
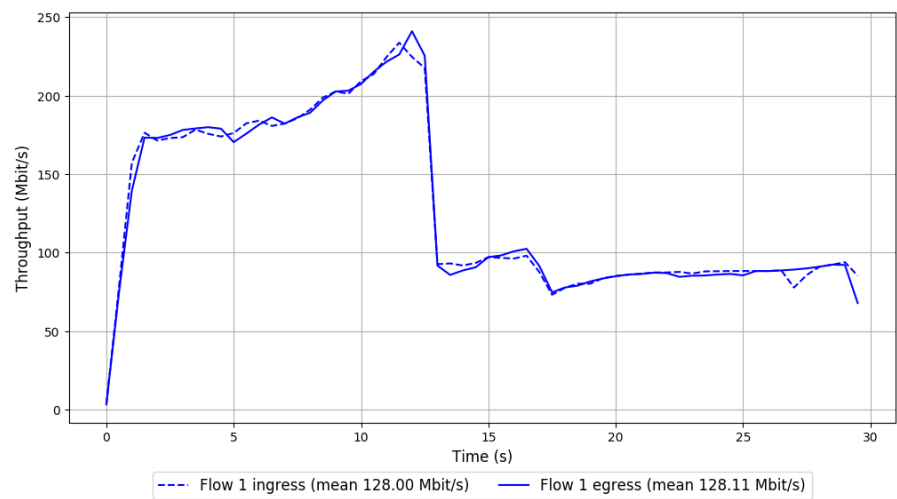
-- Flow 1:

Average throughput: 128.11 Mbit/s

95th percentile per-packet one-way delay: 43.679 ms

Loss rate: 0.25%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-25 22:23:49

End at: 2018-01-25 22:24:19

Below is generated by plot.py at 2018-01-26 02:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.53 Mbit/s

95th percentile per-packet one-way delay: 43.422 ms

Loss rate: 0.30%

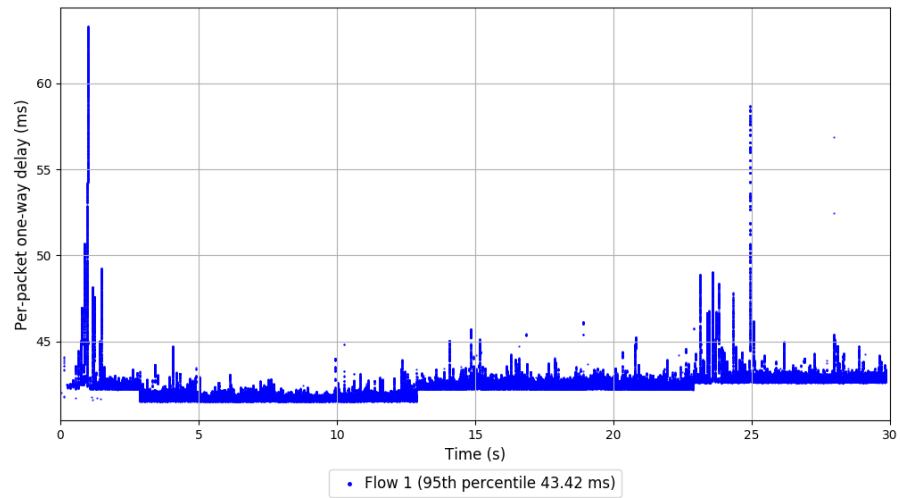
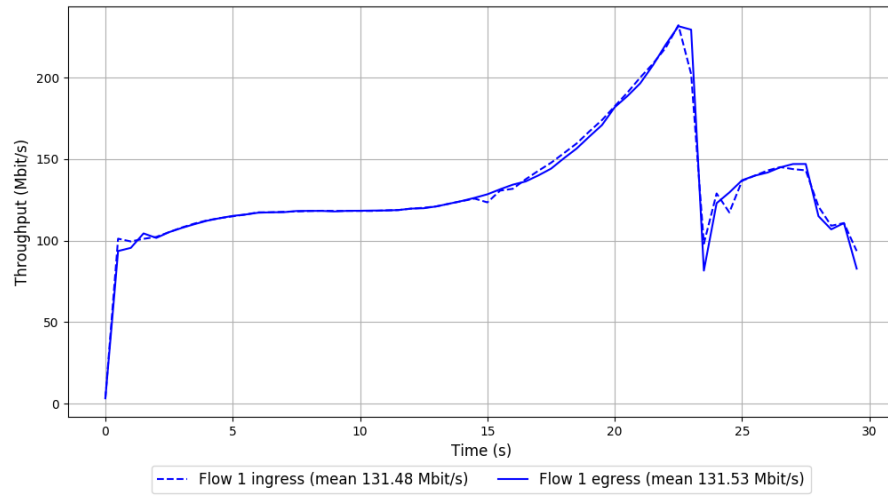
-- Flow 1:

Average throughput: 131.53 Mbit/s

95th percentile per-packet one-way delay: 43.422 ms

Loss rate: 0.30%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-25 22:35:46

End at: 2018-01-25 22:36:16

Below is generated by plot.py at 2018-01-26 02:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.32 Mbit/s

95th percentile per-packet one-way delay: 43.043 ms

Loss rate: 0.26%

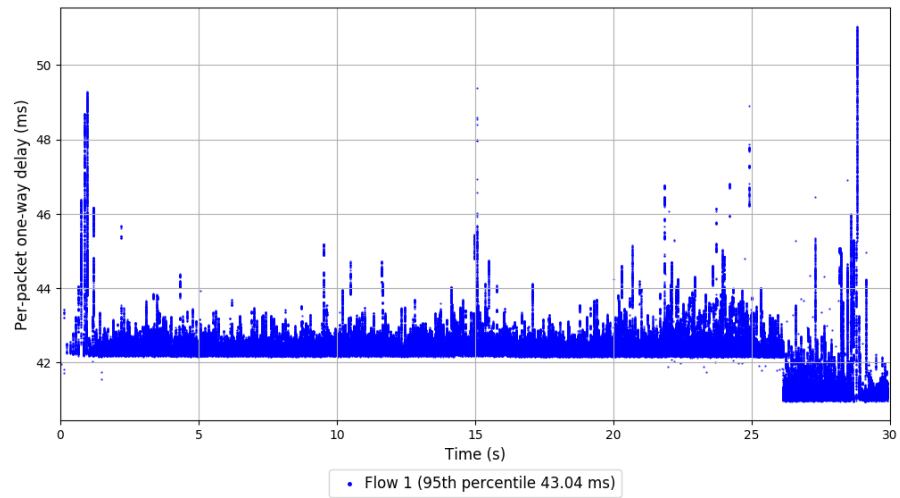
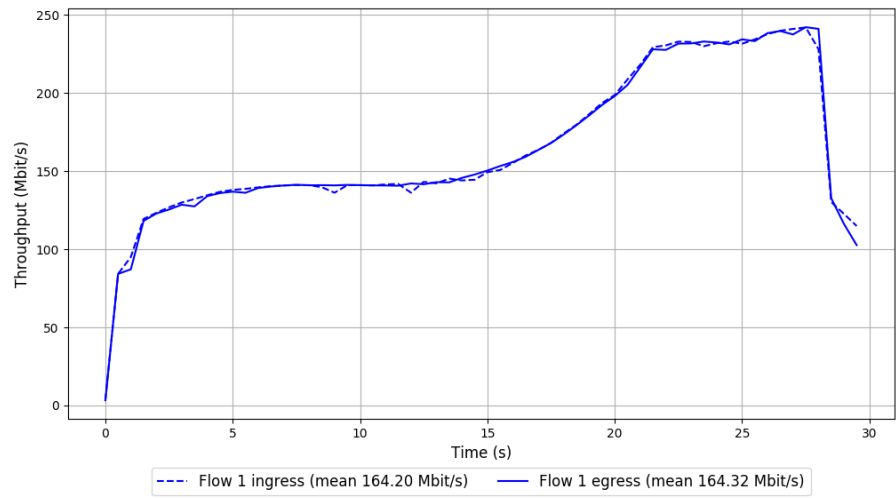
-- Flow 1:

Average throughput: 164.32 Mbit/s

95th percentile per-packet one-way delay: 43.043 ms

Loss rate: 0.26%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-25 22:47:27

End at: 2018-01-25 22:47:57

Below is generated by plot.py at 2018-01-26 02:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.22 Mbit/s

95th percentile per-packet one-way delay: 42.894 ms

Loss rate: 0.30%

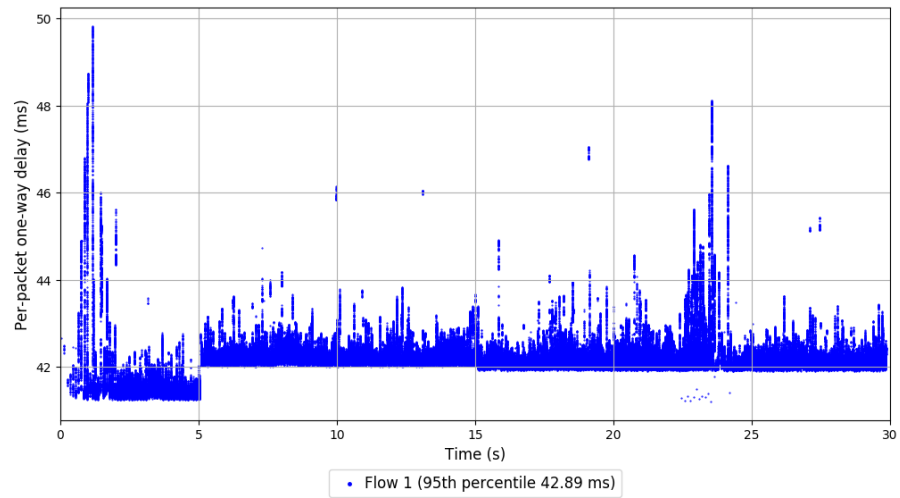
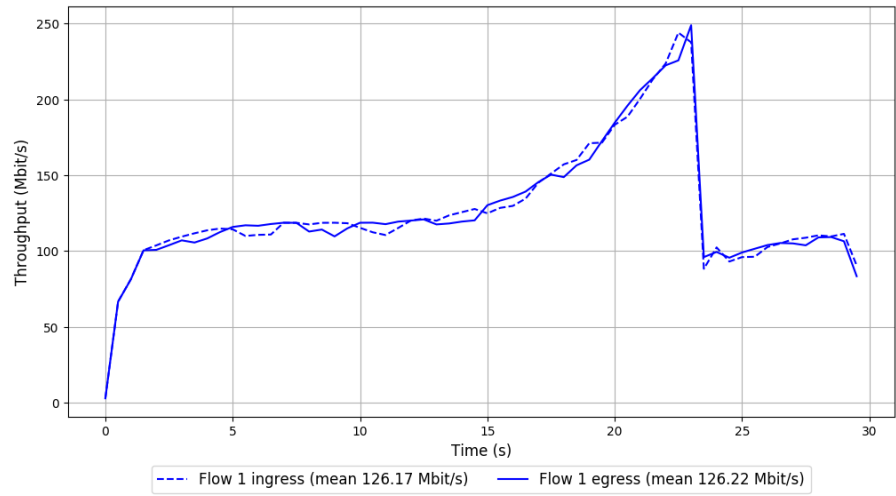
-- Flow 1:

Average throughput: 126.22 Mbit/s

95th percentile per-packet one-way delay: 42.894 ms

Loss rate: 0.30%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-25 22:59:08

End at: 2018-01-25 22:59:38

Below is generated by plot.py at 2018-01-26 02:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.76 Mbit/s

95th percentile per-packet one-way delay: 43.372 ms

Loss rate: 0.26%

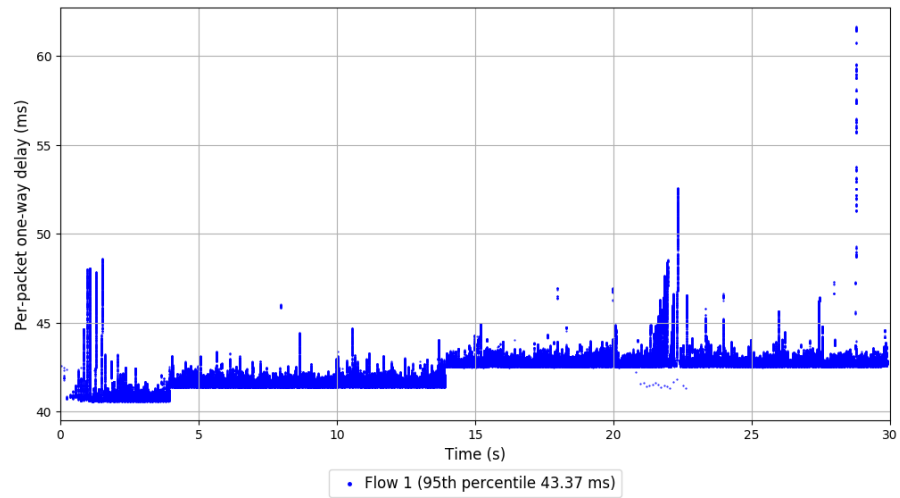
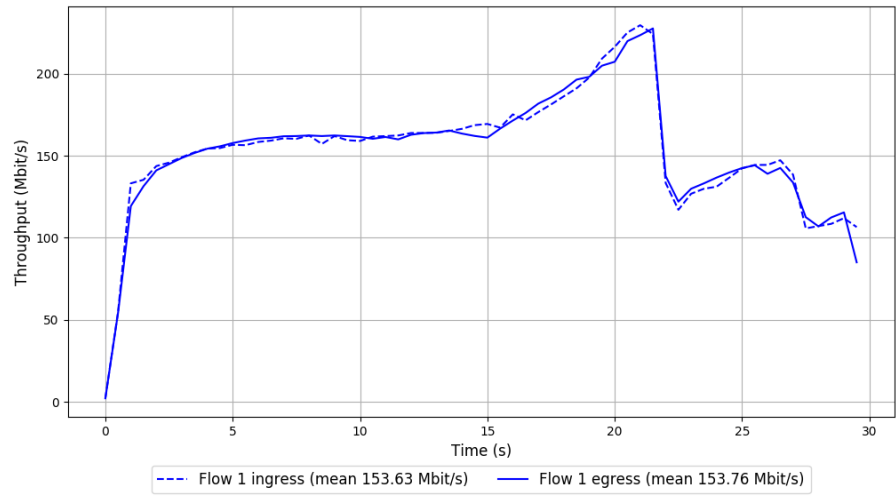
-- Flow 1:

Average throughput: 153.76 Mbit/s

95th percentile per-packet one-way delay: 43.372 ms

Loss rate: 0.26%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-25 23:10:49

End at: 2018-01-25 23:11:19

Below is generated by plot.py at 2018-01-26 02:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.07 Mbit/s

95th percentile per-packet one-way delay: 43.177 ms

Loss rate: 0.42%

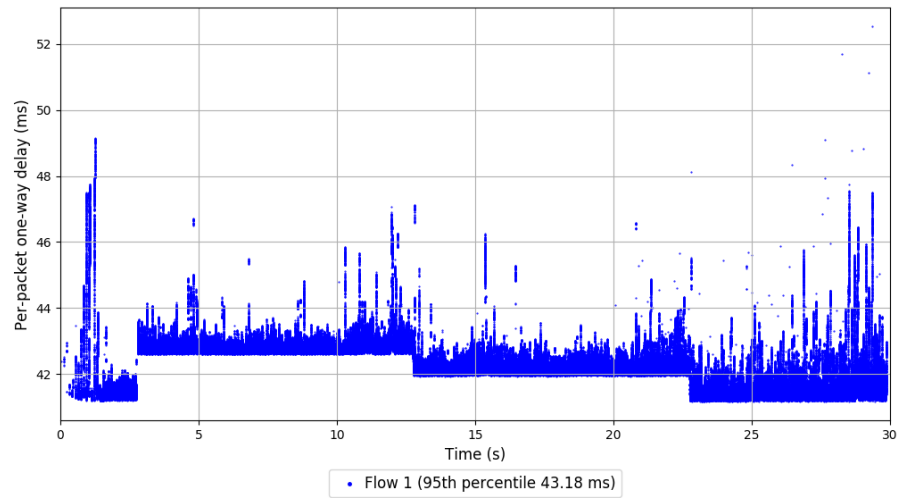
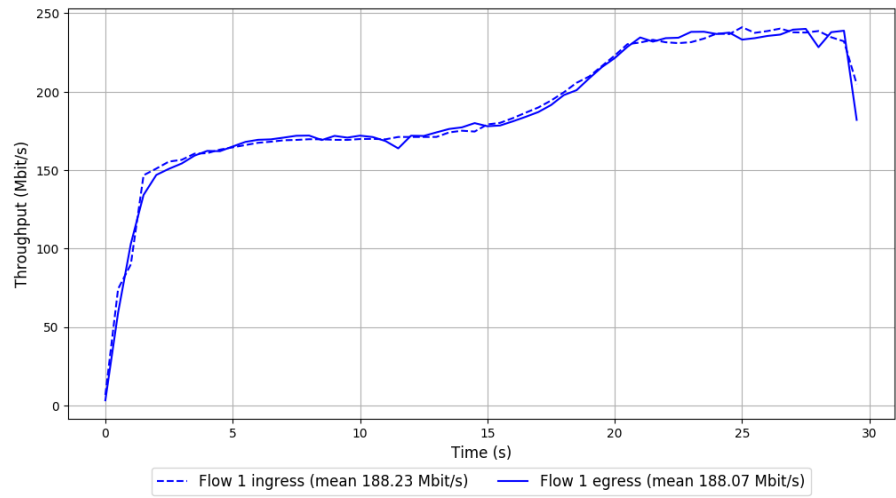
-- Flow 1:

Average throughput: 188.07 Mbit/s

95th percentile per-packet one-way delay: 43.177 ms

Loss rate: 0.42%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-25 23:22:43

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

Below is generated by plot.py at 2018-01-26 02:06:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.70 Mbit/s

95th percentile per-packet one-way delay: 44.320 ms

Loss rate: 0.28%

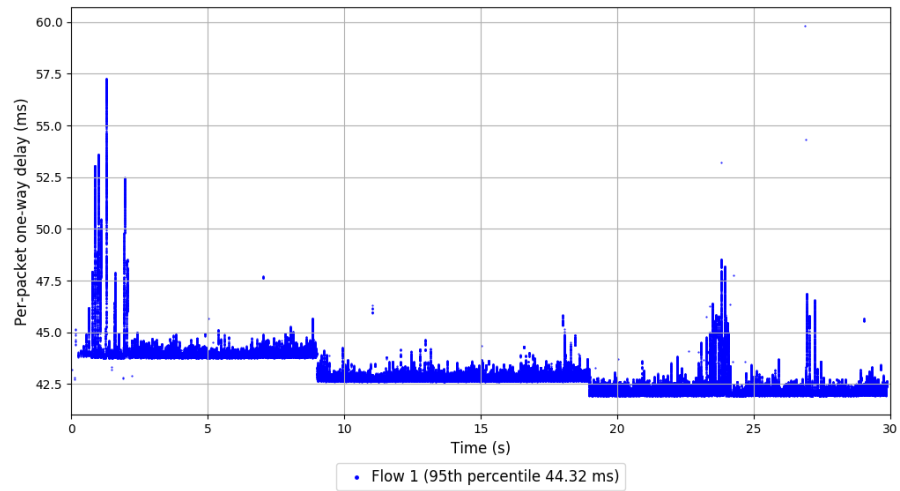
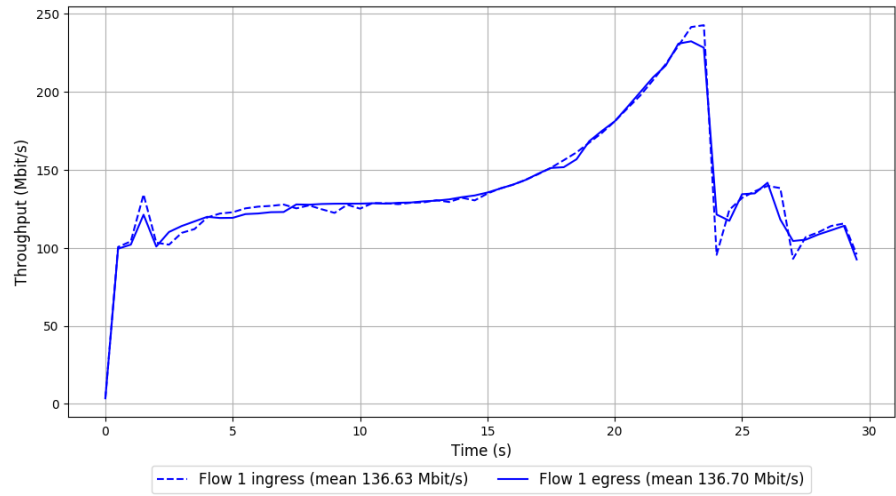
-- Flow 1:

Average throughput: 136.70 Mbit/s

95th percentile per-packet one-way delay: 44.320 ms

Loss rate: 0.28%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-25 23:34:33

End at: 2018-01-25 23:35:03

Below is generated by plot.py at 2018-01-26 02:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.12 Mbit/s

95th percentile per-packet one-way delay: 44.853 ms

Loss rate: 0.24%

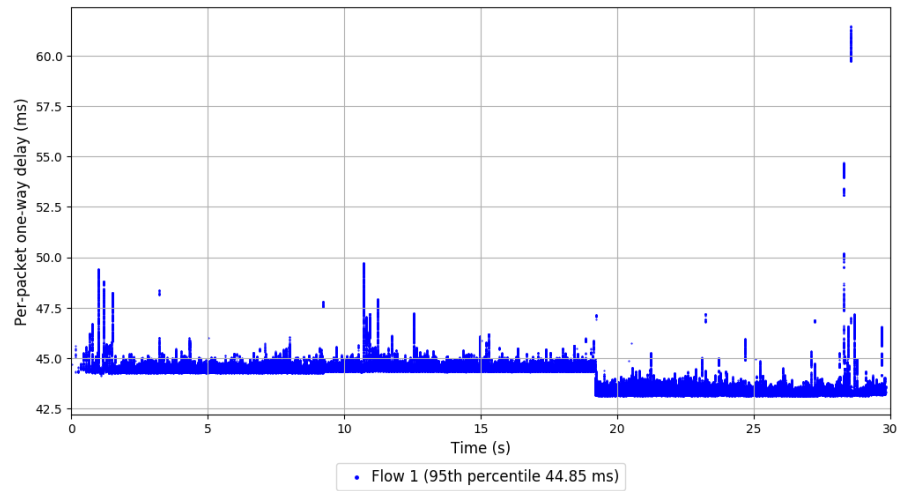
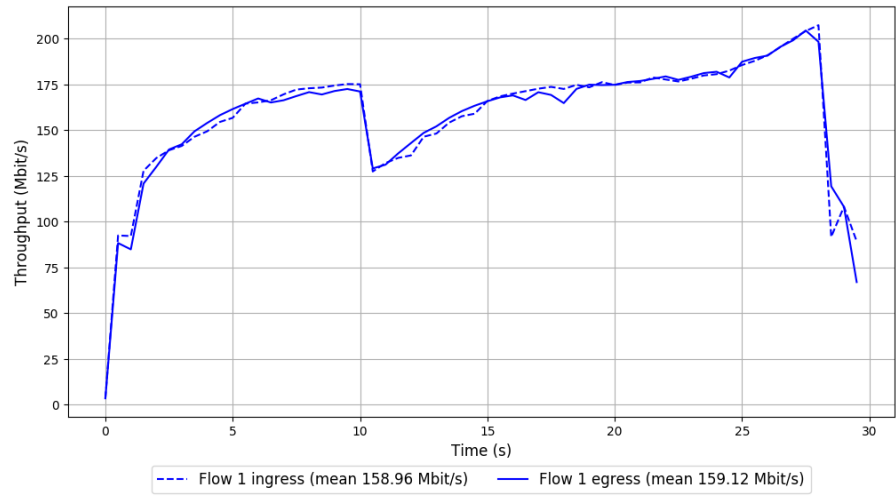
-- Flow 1:

Average throughput: 159.12 Mbit/s

95th percentile per-packet one-way delay: 44.853 ms

Loss rate: 0.24%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-25 23:46:21

End at: 2018-01-25 23:46:51

Below is generated by plot.py at 2018-01-26 02:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.54 Mbit/s

95th percentile per-packet one-way delay: 45.359 ms

Loss rate: 0.29%

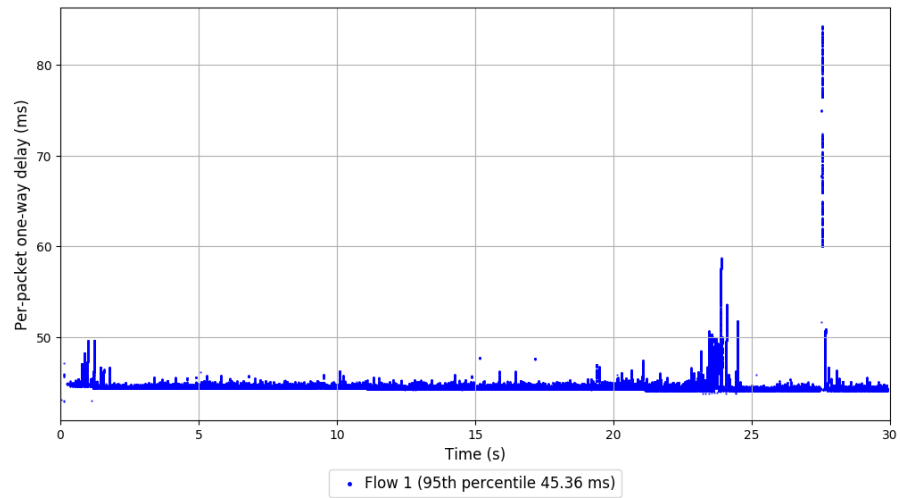
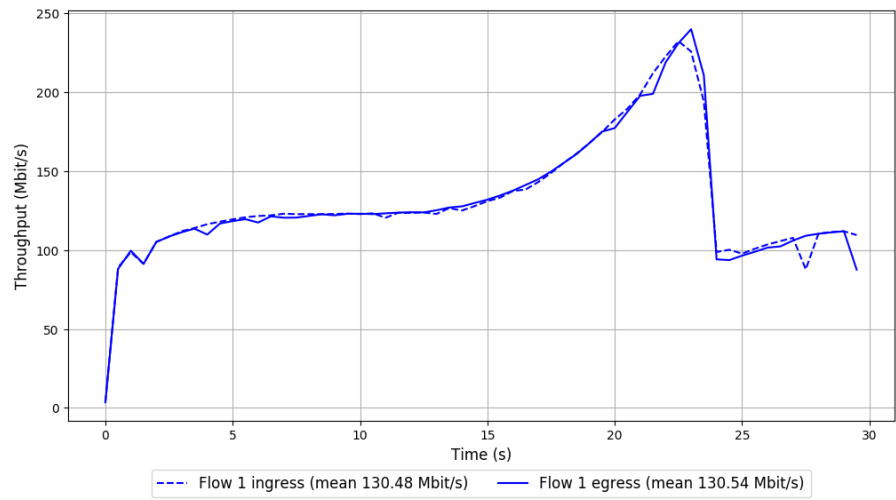
-- Flow 1:

Average throughput: 130.54 Mbit/s

95th percentile per-packet one-way delay: 45.359 ms

Loss rate: 0.29%

Run 10: Report of TCP Cubic — Data Link

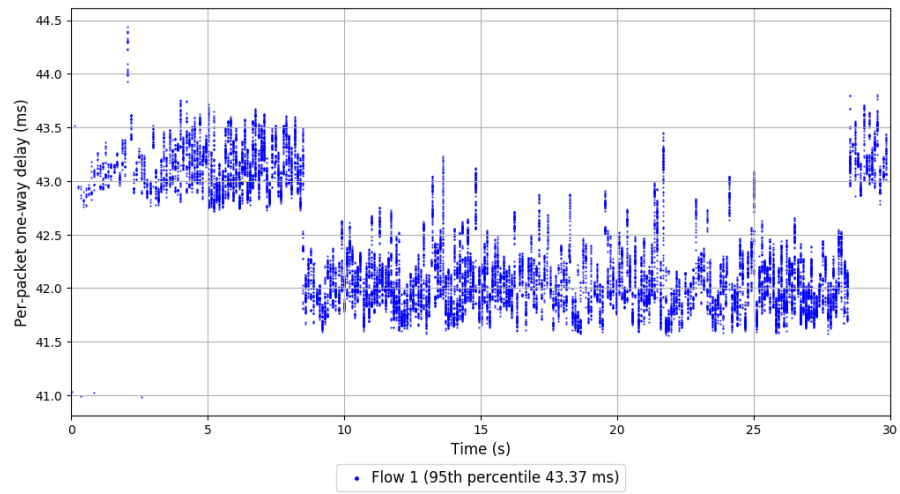
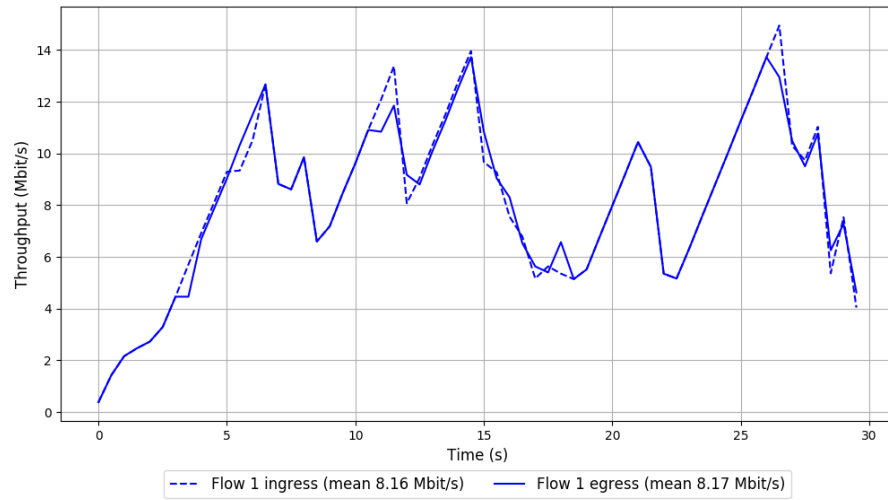


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-25 22:10:43
End at: 2018-01-25 22:11:13

# Below is generated by plot.py at 2018-01-26 02:06:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 43.366 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 43.366 ms
Loss rate: 0.22%
```


Run 1: Report of LEDBAT — Data Link

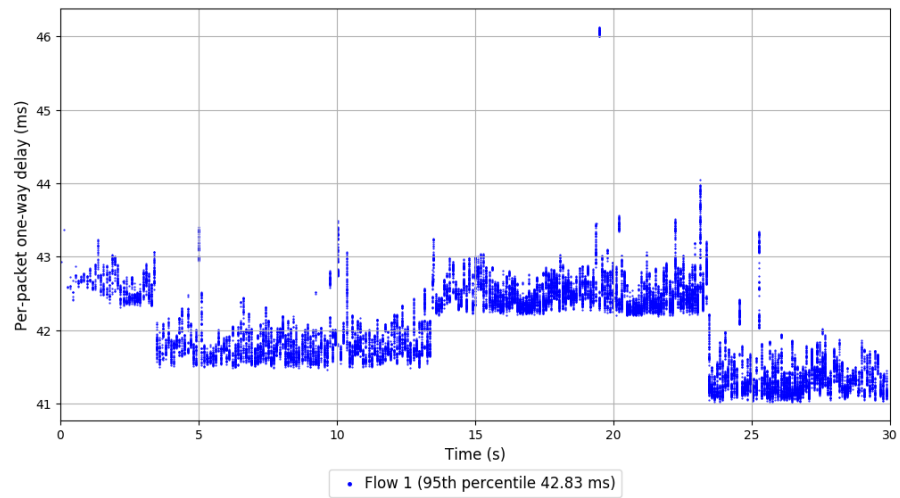
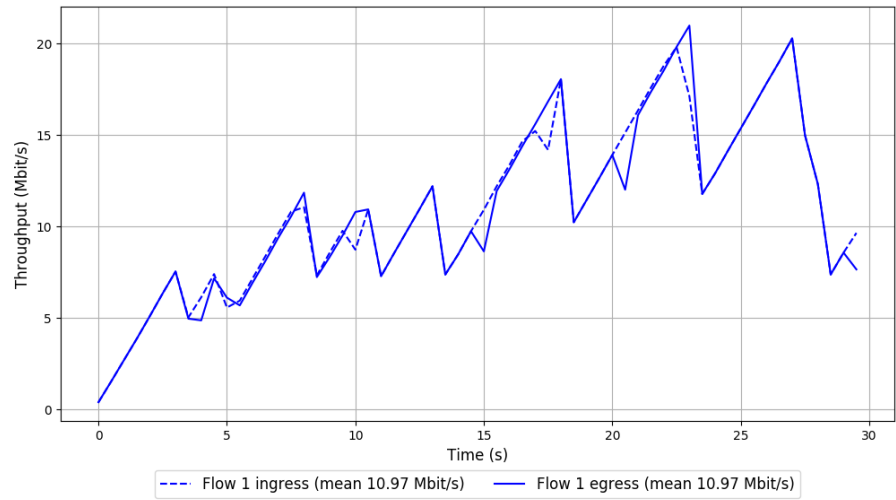


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-25 22:22:28
End at: 2018-01-25 22:22:59

# Below is generated by plot.py at 2018-01-26 02:06:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 42.826 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 42.826 ms
Loss rate: 0.30%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

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

End at: 2018-01-25 22:34:55

Below is generated by plot.py at 2018-01-26 02:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.78 Mbit/s

95th percentile per-packet one-way delay: 43.100 ms

Loss rate: 0.24%

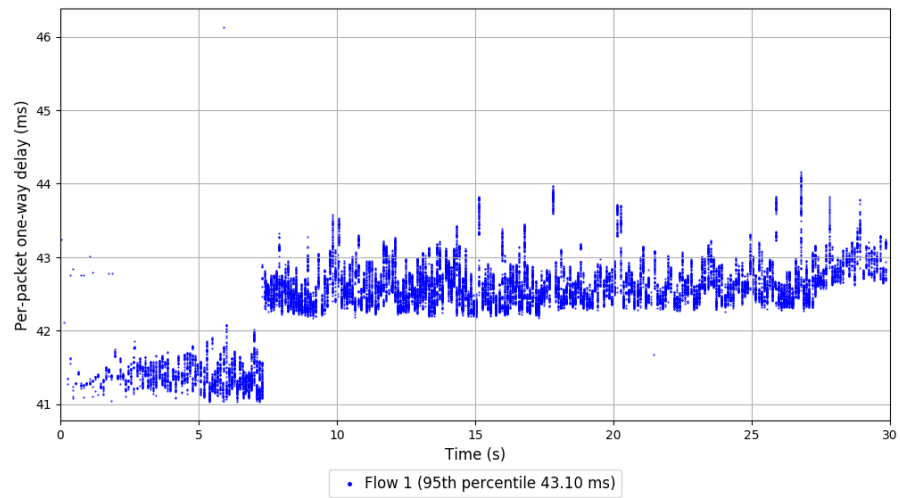
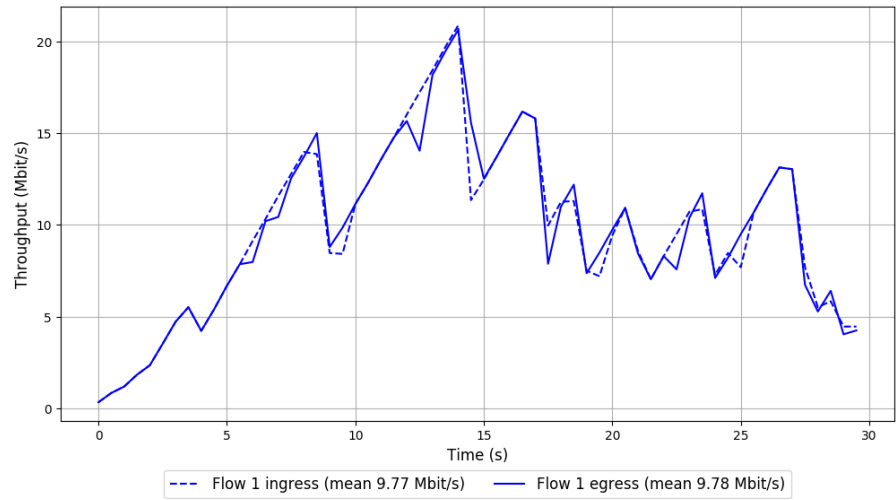
-- Flow 1:

Average throughput: 9.78 Mbit/s

95th percentile per-packet one-way delay: 43.100 ms

Loss rate: 0.24%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-25 22:46:06

End at: 2018-01-25 22:46:36

Below is generated by plot.py at 2018-01-26 02:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.59 Mbit/s

95th percentile per-packet one-way delay: 42.818 ms

Loss rate: 0.25%

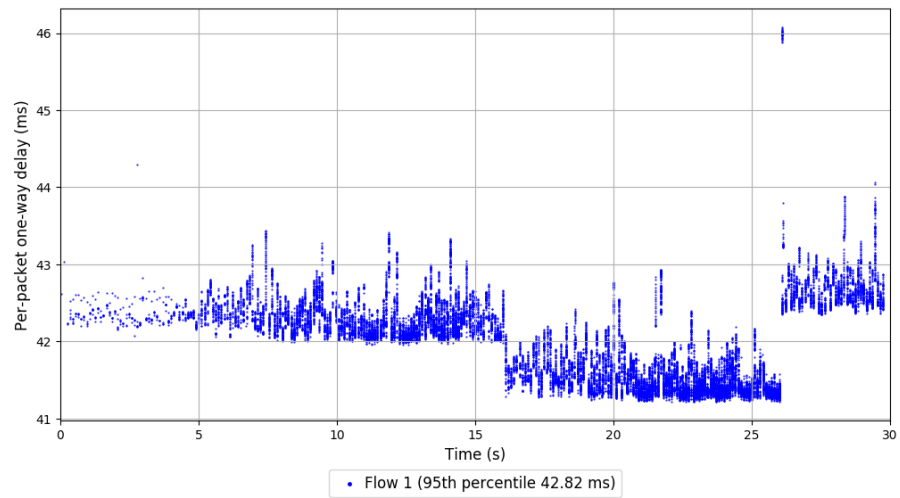
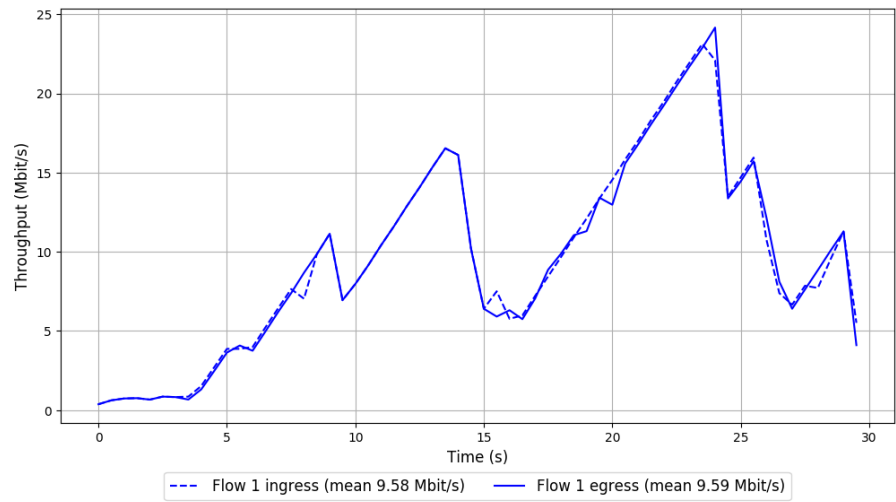
-- Flow 1:

Average throughput: 9.59 Mbit/s

95th percentile per-packet one-way delay: 42.818 ms

Loss rate: 0.25%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-25 22:57:48

End at: 2018-01-25 22:58:18

Run 5: Report of LEDBAT — Data Link

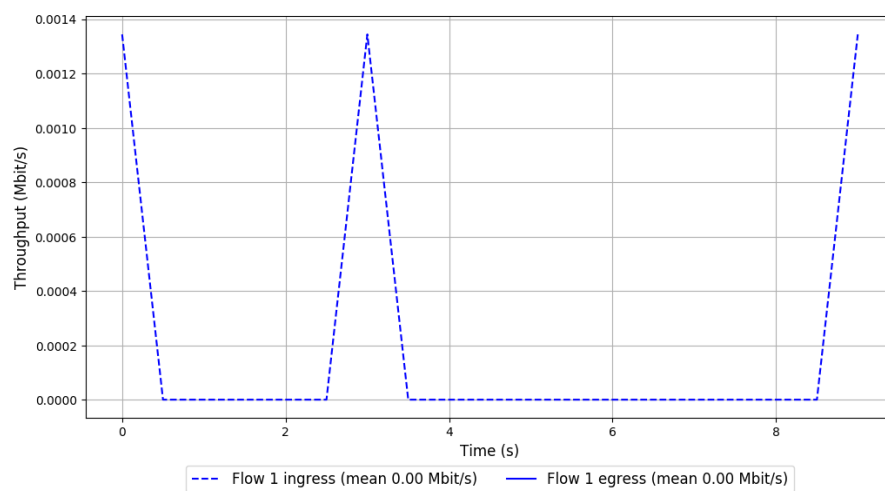


Figure is missing

Run 6: Statistics of LEDBAT

Start at: 2018-01-25 23:09:28

End at: 2018-01-25 23:09:58

Below is generated by plot.py at 2018-01-26 02:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.39 Mbit/s

95th percentile per-packet one-way delay: 43.137 ms

Loss rate: 0.55%

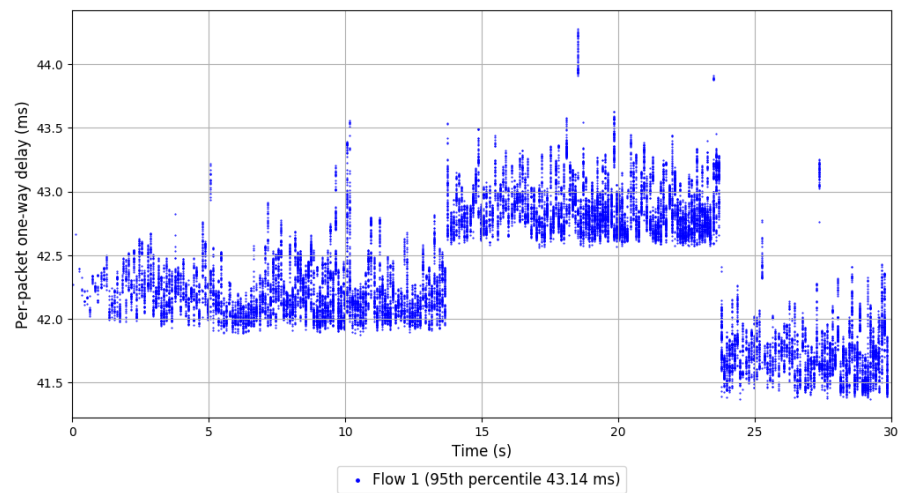
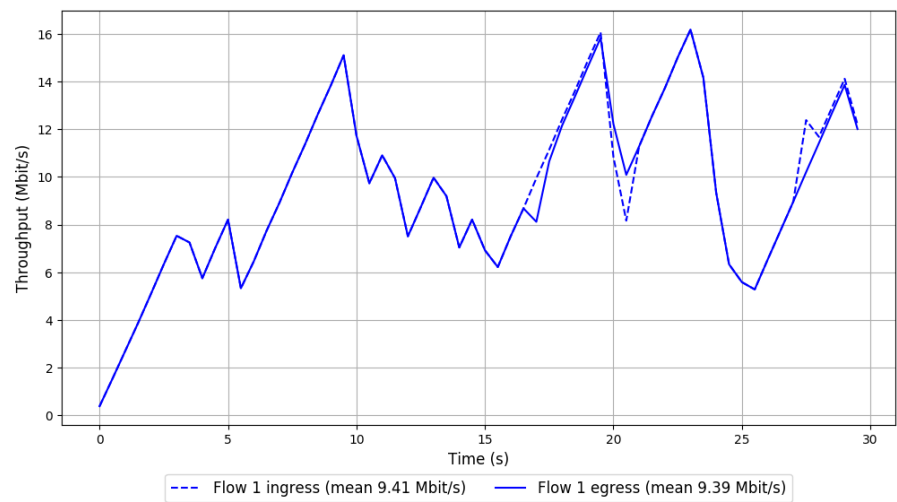
-- Flow 1:

Average throughput: 9.39 Mbit/s

95th percentile per-packet one-way delay: 43.137 ms

Loss rate: 0.55%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-25 23:21:22

End at: 2018-01-25 23:21:52

Below is generated by plot.py at 2018-01-26 02:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.26 Mbit/s

95th percentile per-packet one-way delay: 44.274 ms

Loss rate: 0.51%

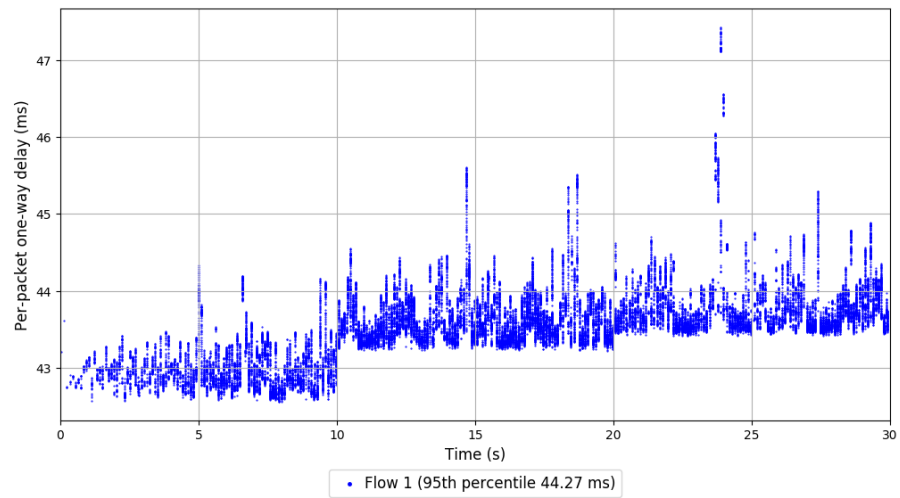
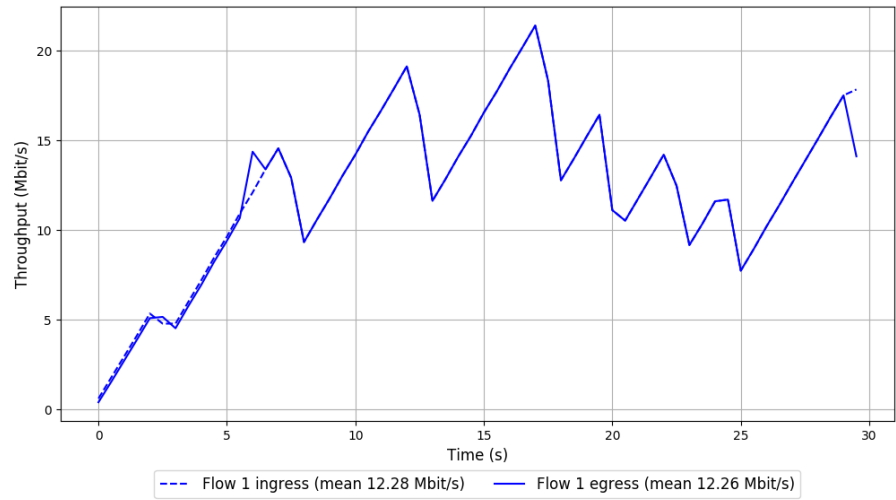
-- Flow 1:

Average throughput: 12.26 Mbit/s

95th percentile per-packet one-way delay: 44.274 ms

Loss rate: 0.51%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-25 23:33:11

End at: 2018-01-25 23:33:41

Below is generated by plot.py at 2018-01-26 02:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 44.768 ms

Loss rate: 0.20%

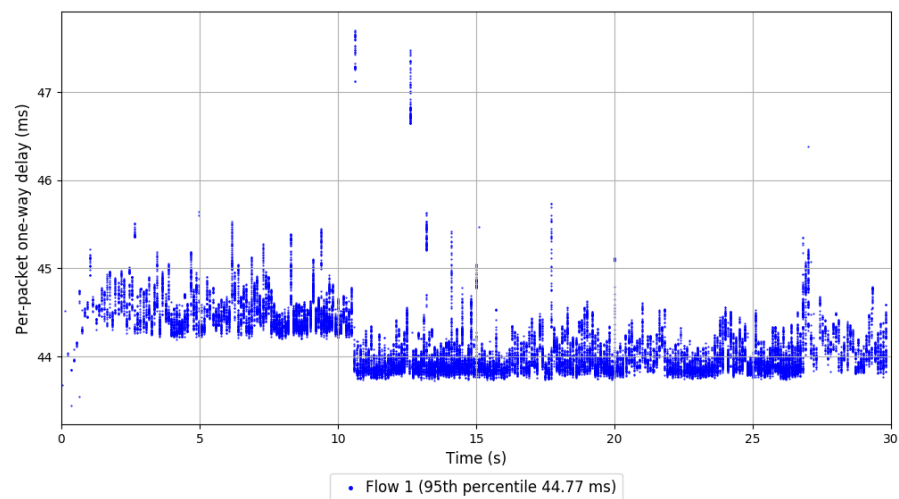
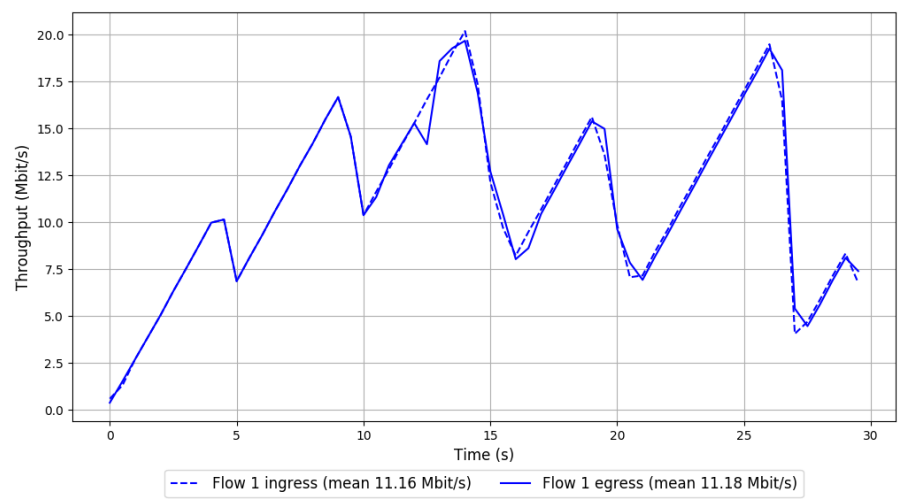
-- Flow 1:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 44.768 ms

Loss rate: 0.20%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-25 23:44:59

End at: 2018-01-25 23:45:29

Below is generated by plot.py at 2018-01-26 02:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 45.092 ms

Loss rate: 0.43%

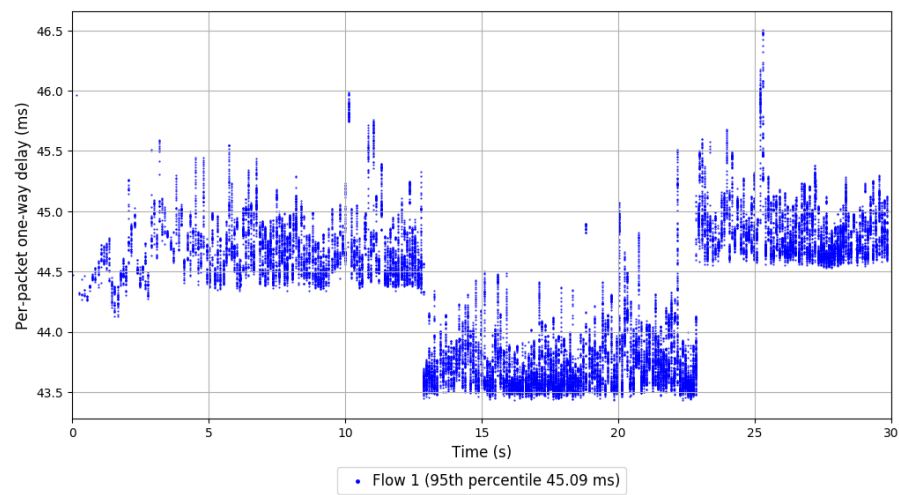
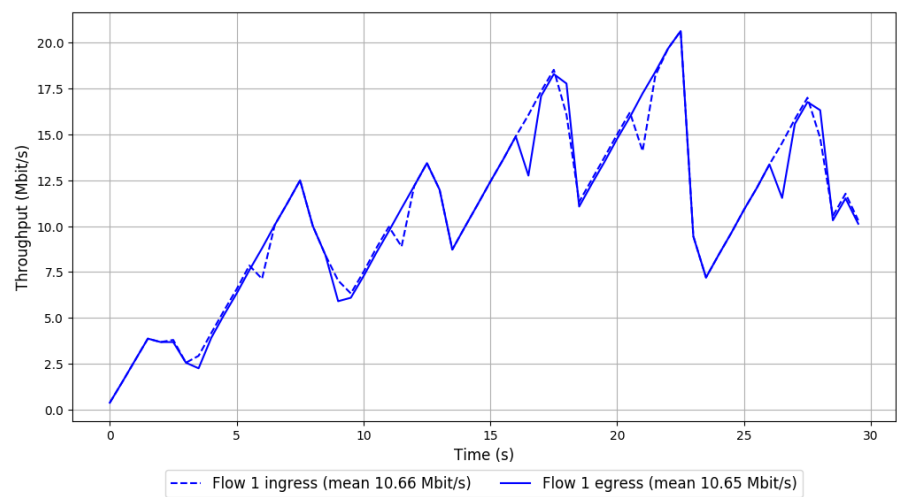
-- Flow 1:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 45.092 ms

Loss rate: 0.43%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-25 23:56:47

End at: 2018-01-25 23:57:17

Below is generated by plot.py at 2018-01-26 02:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.38 Mbit/s

95th percentile per-packet one-way delay: 45.873 ms

Loss rate: 0.29%

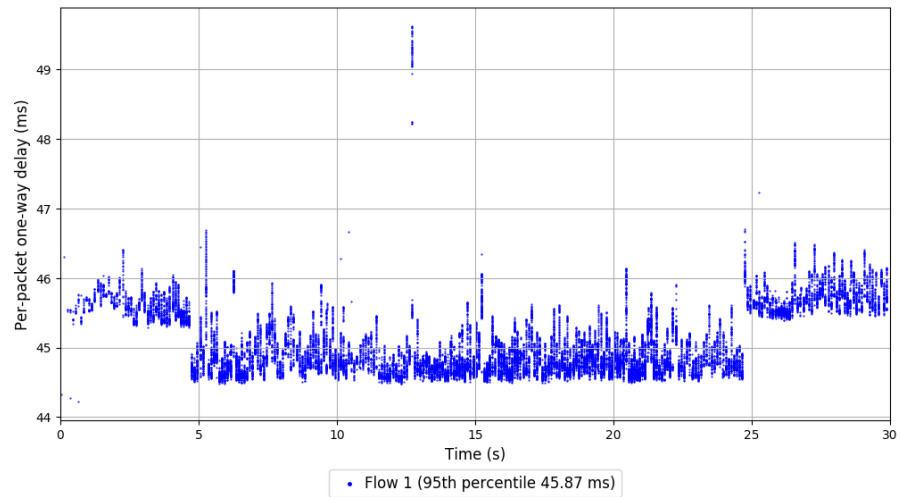
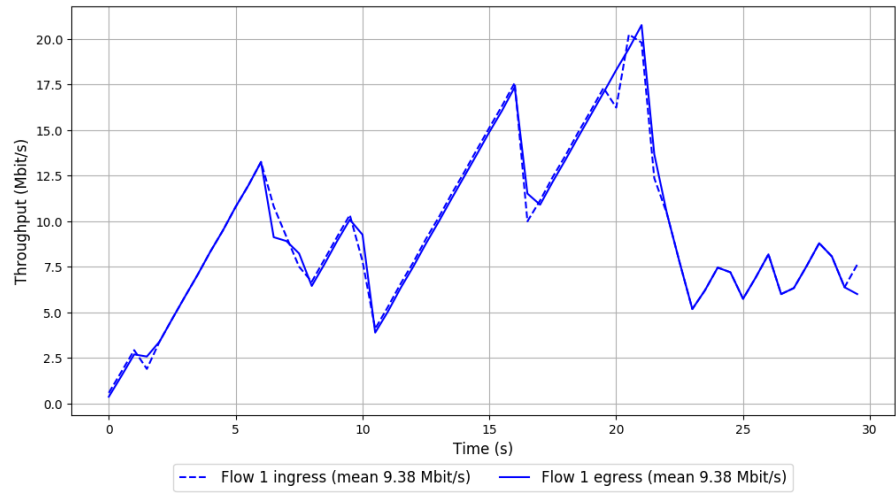
-- Flow 1:

Average throughput: 9.38 Mbit/s

95th percentile per-packet one-way delay: 45.873 ms

Loss rate: 0.29%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

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

End at: 2018-01-25 22:02:16

Below is generated by plot.py at 2018-01-26 02:13:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.07 Mbit/s

95th percentile per-packet one-way delay: 43.932 ms

Loss rate: 0.39%

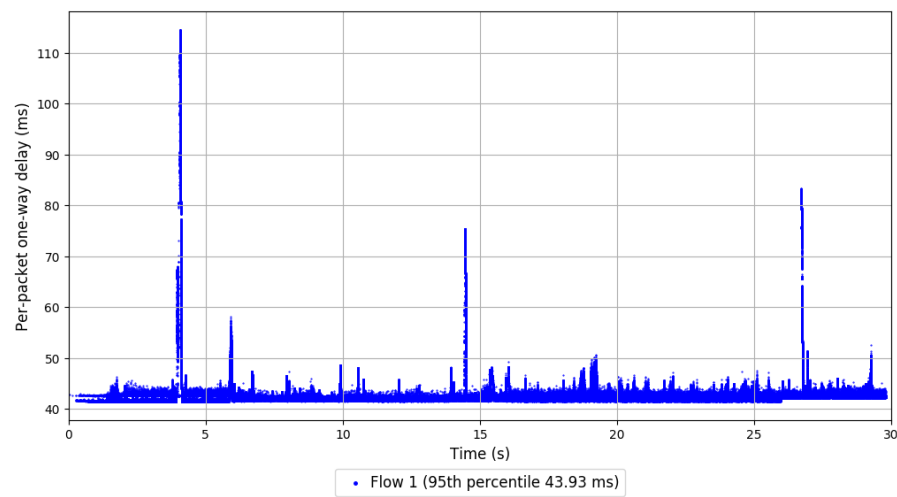
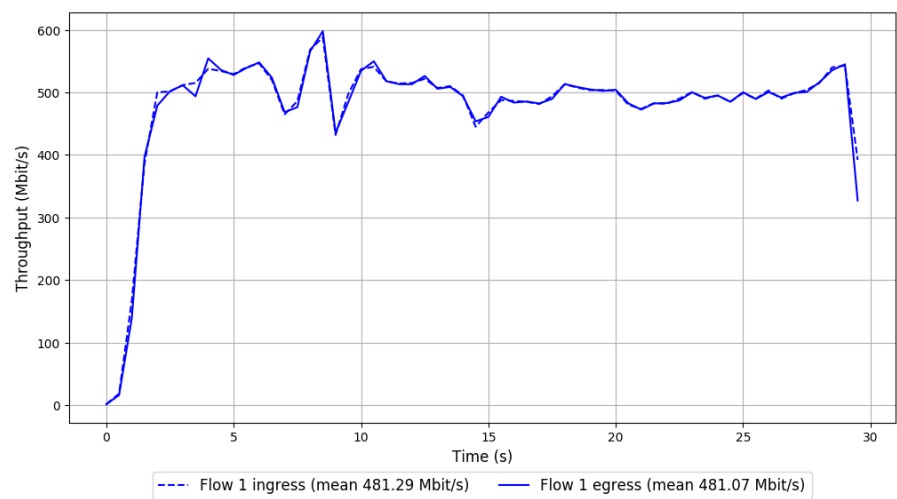
-- Flow 1:

Average throughput: 481.07 Mbit/s

95th percentile per-packet one-way delay: 43.932 ms

Loss rate: 0.39%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-25 22:13:37

End at: 2018-01-25 22:14:07

Below is generated by plot.py at 2018-01-26 02:13:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.11 Mbit/s

95th percentile per-packet one-way delay: 50.499 ms

Loss rate: 0.52%

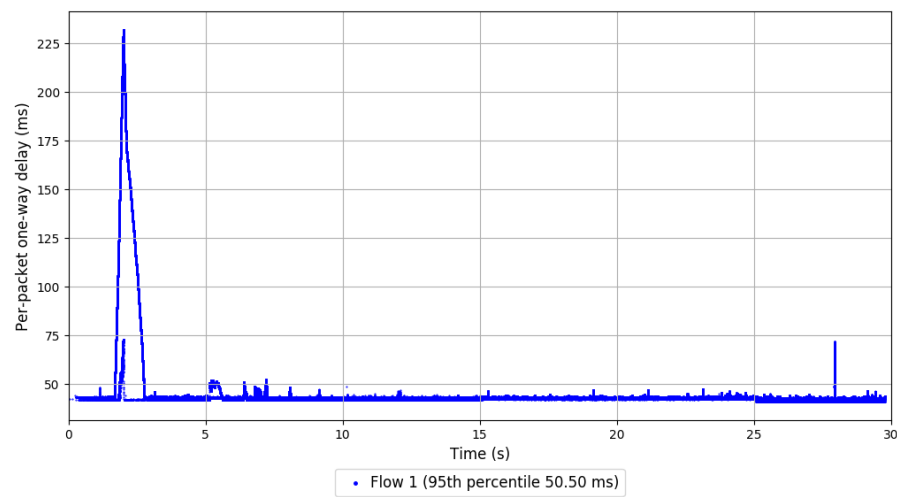
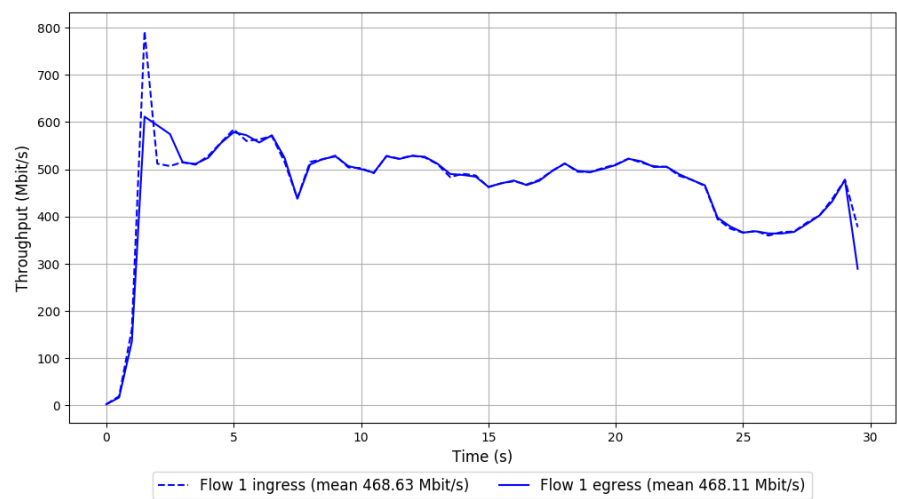
-- Flow 1:

Average throughput: 468.11 Mbit/s

95th percentile per-packet one-way delay: 50.499 ms

Loss rate: 0.52%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

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

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

Below is generated by plot.py at 2018-01-26 02:15:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 575.71 Mbit/s

95th percentile per-packet one-way delay: 171.809 ms

Loss rate: 2.60%

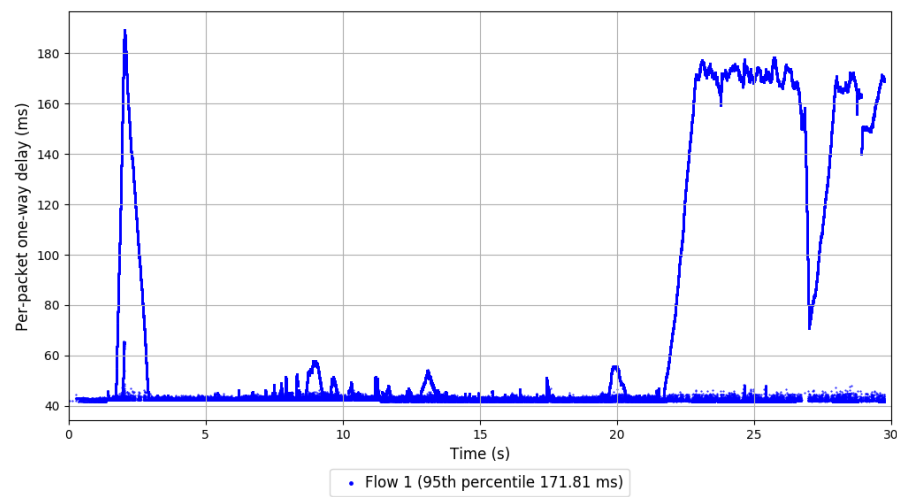
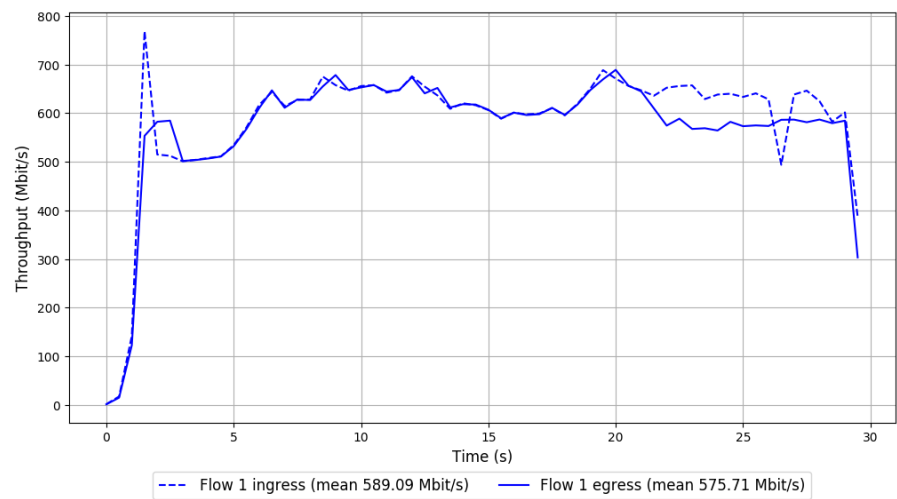
-- Flow 1:

Average throughput: 575.71 Mbit/s

95th percentile per-packet one-way delay: 171.809 ms

Loss rate: 2.60%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-25 22:37:18

End at: 2018-01-25 22:37:48

Below is generated by plot.py at 2018-01-26 02:15:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.73 Mbit/s

95th percentile per-packet one-way delay: 73.388 ms

Loss rate: 0.42%

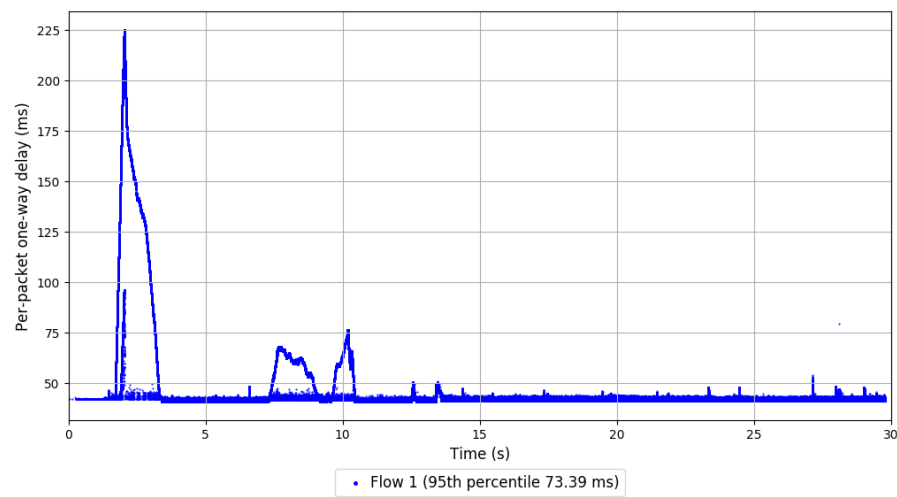
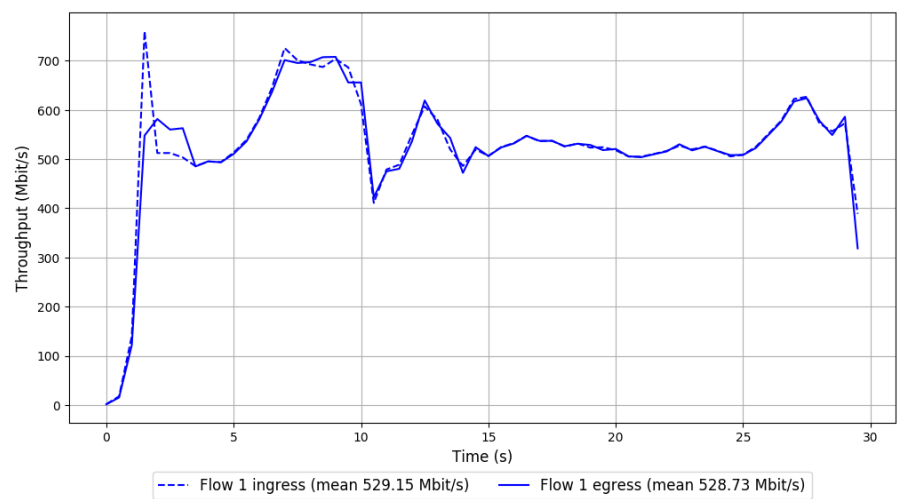
-- Flow 1:

Average throughput: 528.73 Mbit/s

95th percentile per-packet one-way delay: 73.388 ms

Loss rate: 0.42%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-25 22:48:57

End at: 2018-01-25 22:49:27

Below is generated by plot.py at 2018-01-26 02:15:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.24 Mbit/s

95th percentile per-packet one-way delay: 45.967 ms

Loss rate: 0.34%

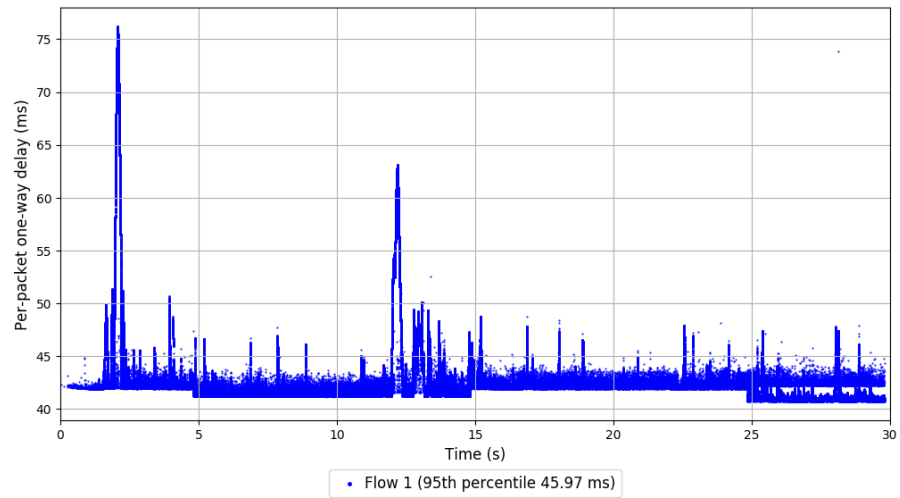
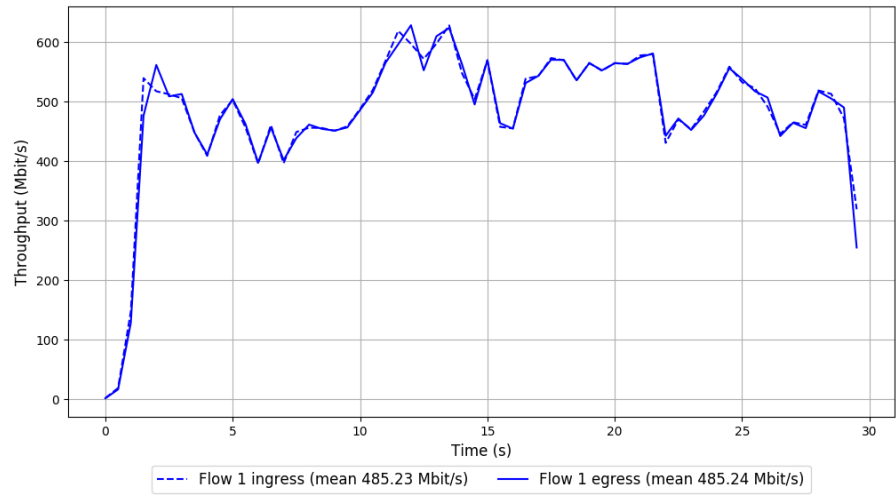
-- Flow 1:

Average throughput: 485.24 Mbit/s

95th percentile per-packet one-way delay: 45.967 ms

Loss rate: 0.34%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-25 23:00:39

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

Below is generated by plot.py at 2018-01-26 02:15:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 465.74 Mbit/s

95th percentile per-packet one-way delay: 42.827 ms

Loss rate: 0.29%

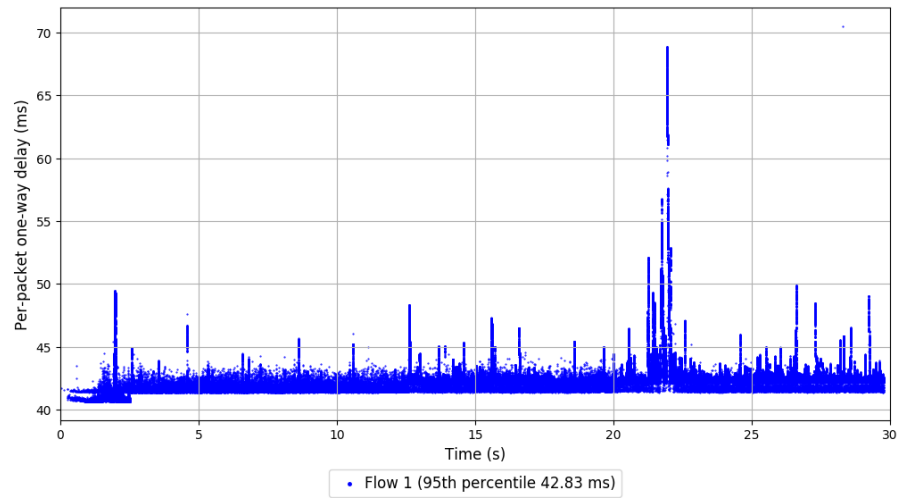
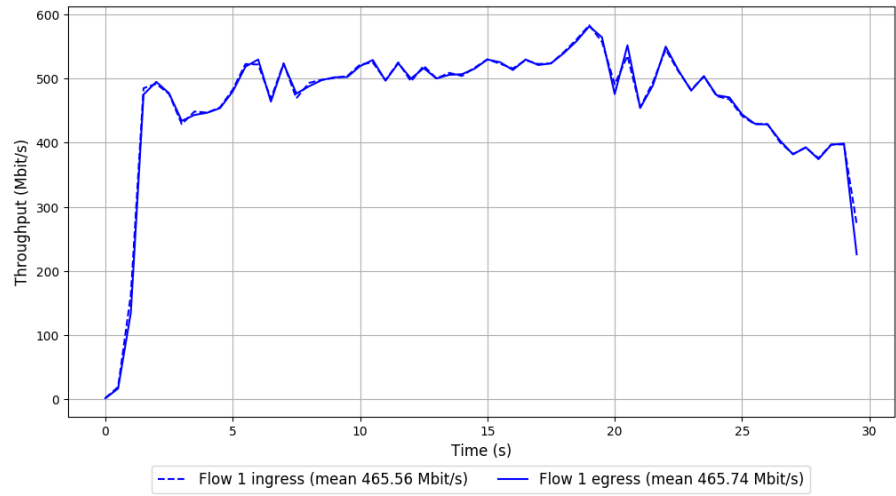
-- Flow 1:

Average throughput: 465.74 Mbit/s

95th percentile per-packet one-way delay: 42.827 ms

Loss rate: 0.29%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-25 23:12:17

End at: 2018-01-25 23:12:47

Below is generated by plot.py at 2018-01-26 02:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 547.63 Mbit/s

95th percentile per-packet one-way delay: 160.610 ms

Loss rate: 1.91%

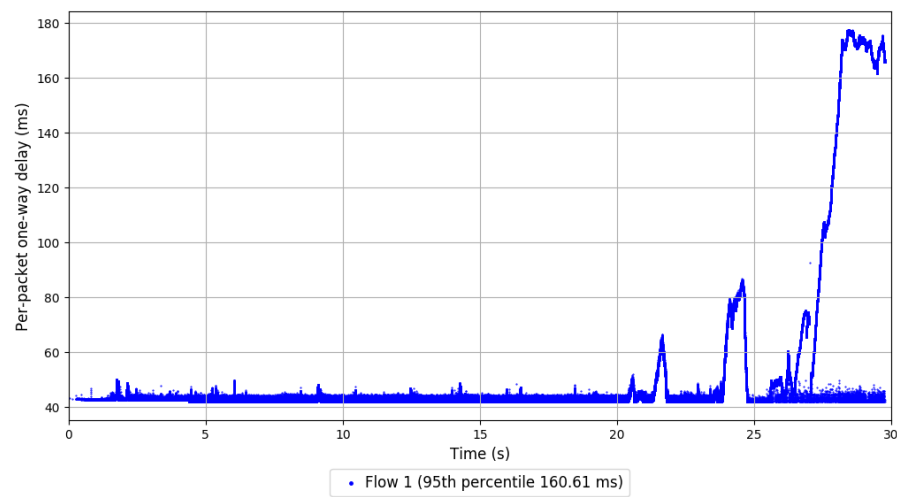
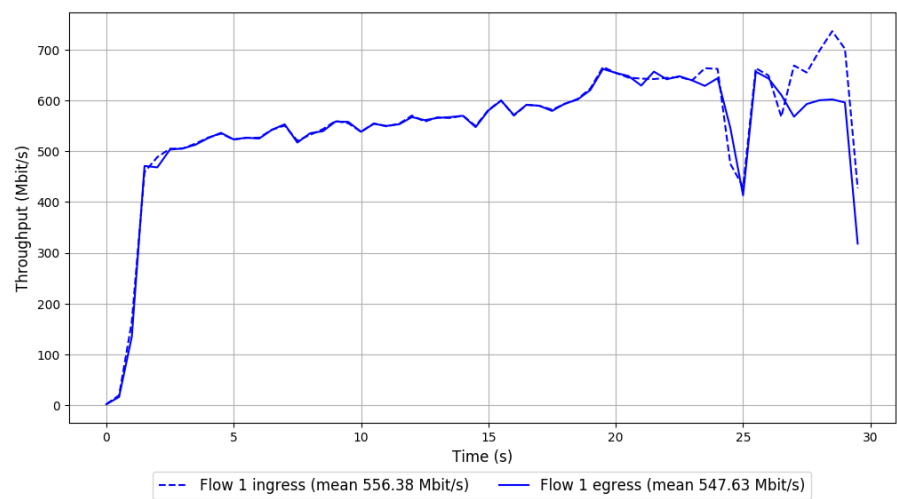
-- Flow 1:

Average throughput: 547.63 Mbit/s

95th percentile per-packet one-way delay: 160.610 ms

Loss rate: 1.91%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-25 23:24:13

End at: 2018-01-25 23:24:43

Below is generated by plot.py at 2018-01-26 02:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 510.43 Mbit/s

95th percentile per-packet one-way delay: 48.061 ms

Loss rate: 0.47%

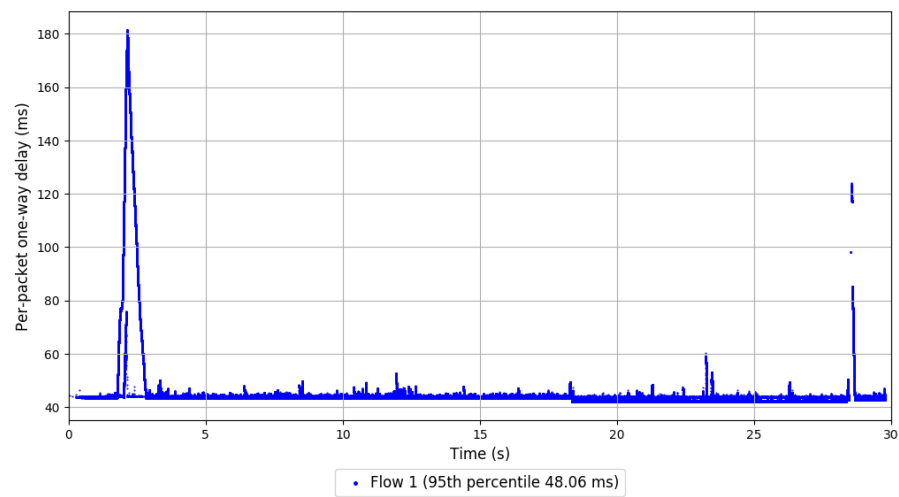
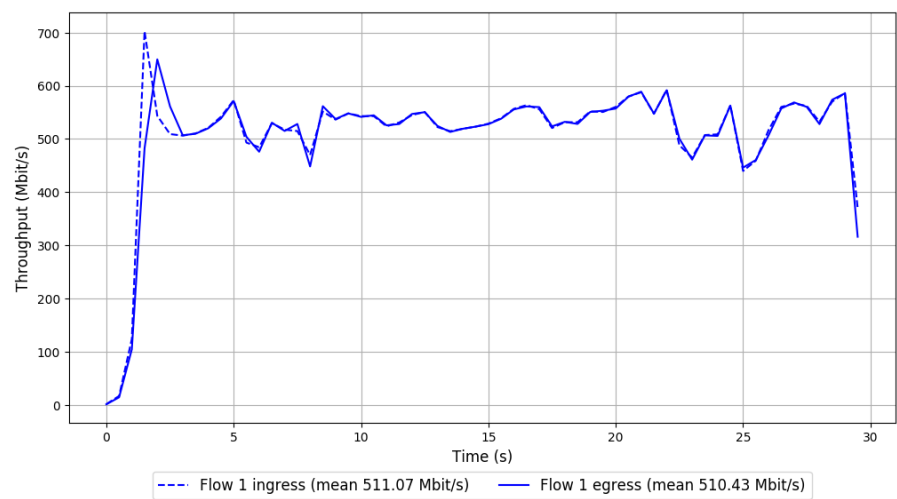
-- Flow 1:

Average throughput: 510.43 Mbit/s

95th percentile per-packet one-way delay: 48.061 ms

Loss rate: 0.47%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-25 23:36:05

End at: 2018-01-25 23:36:35

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 499.54 Mbit/s

95th percentile per-packet one-way delay: 51.823 ms

Loss rate: 0.39%

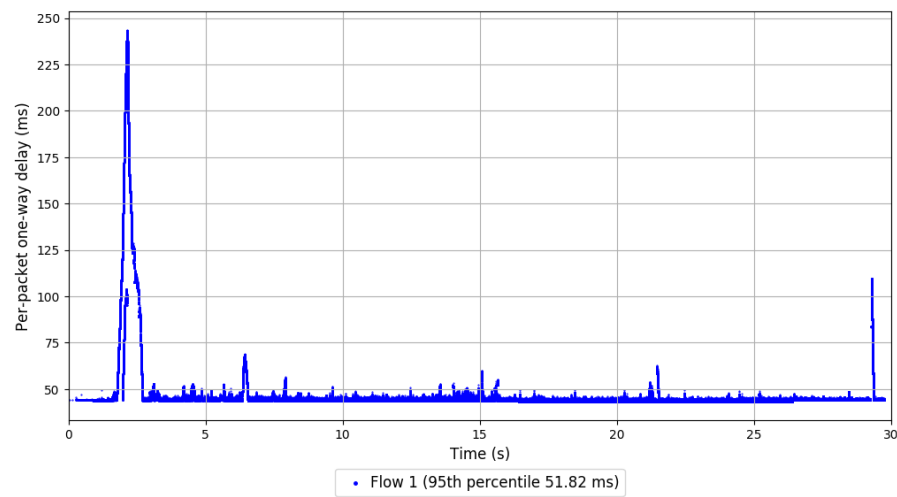
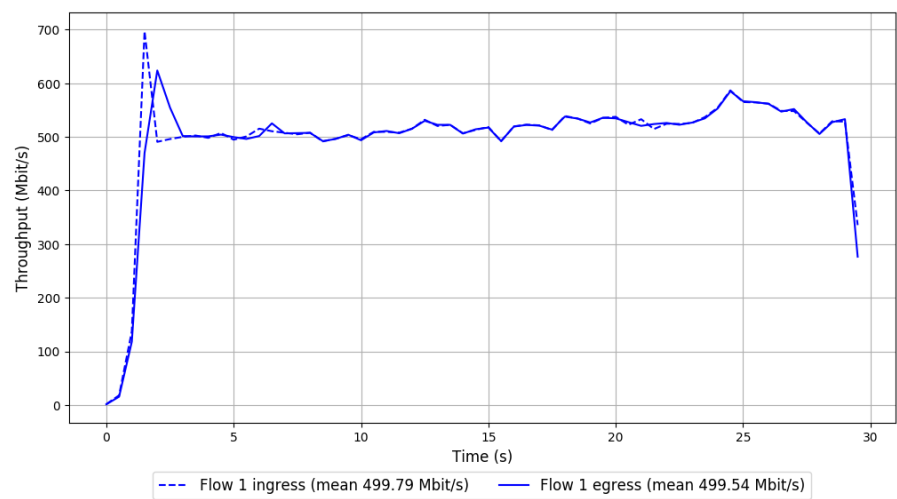
-- Flow 1:

Average throughput: 499.54 Mbit/s

95th percentile per-packet one-way delay: 51.823 ms

Loss rate: 0.39%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-25 23:47:51

End at: 2018-01-25 23:48:21

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 472.42 Mbit/s

95th percentile per-packet one-way delay: 52.984 ms

Loss rate: 0.34%

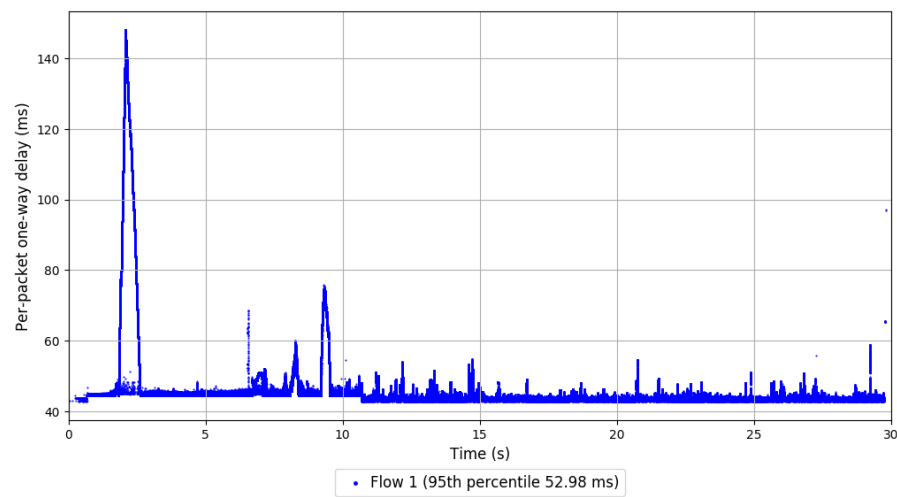
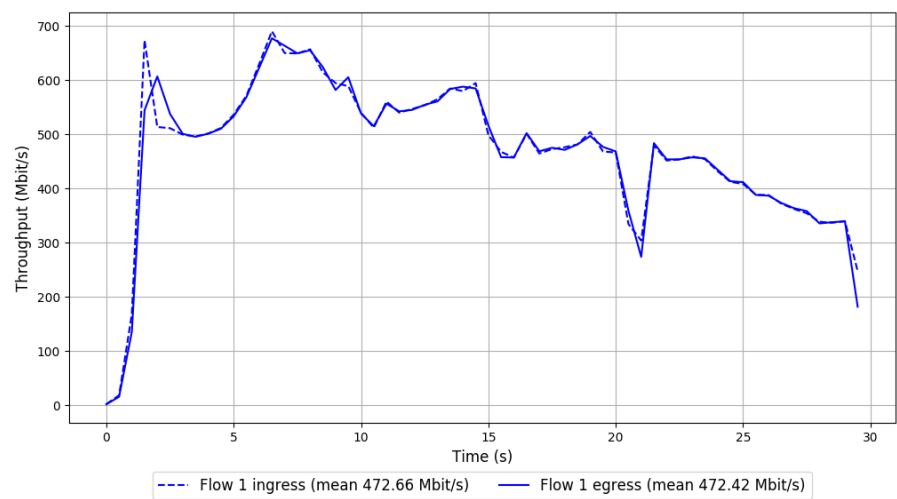
-- Flow 1:

Average throughput: 472.42 Mbit/s

95th percentile per-packet one-way delay: 52.984 ms

Loss rate: 0.34%

Run 10: Report of PCC — Data Link

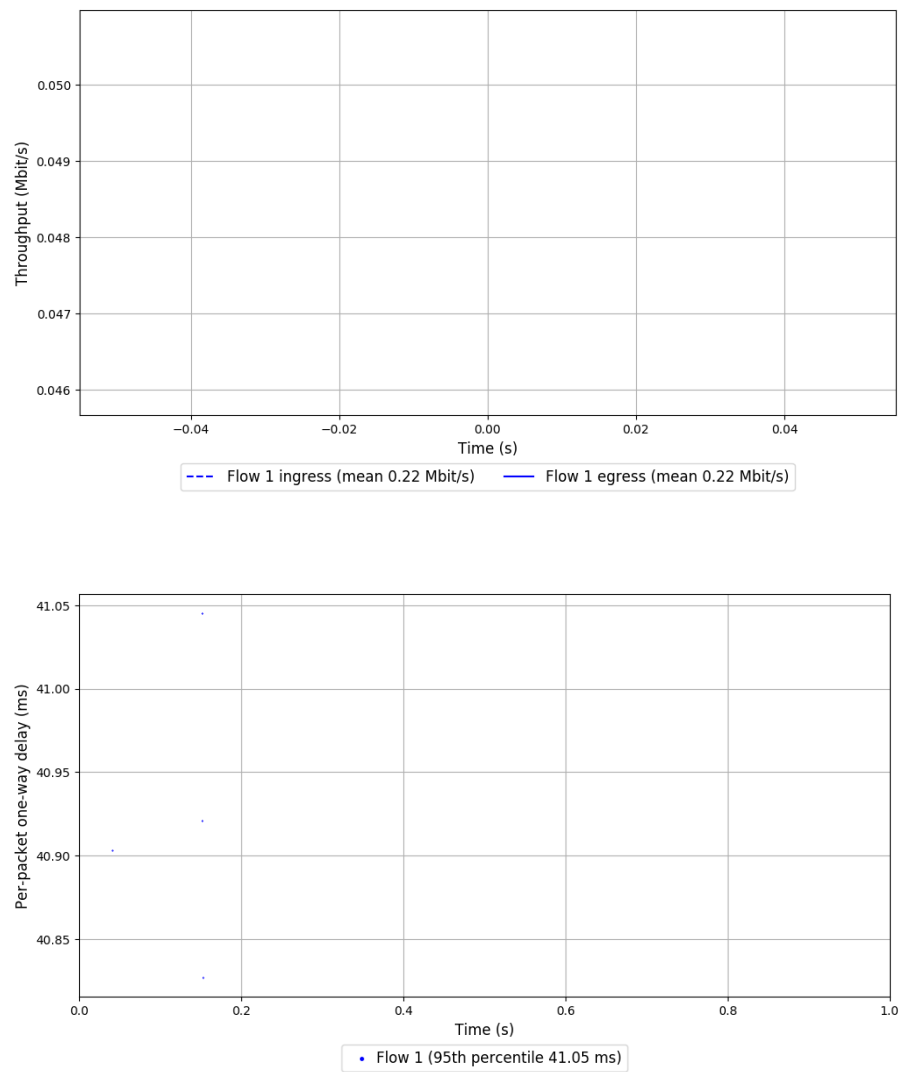


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-25 22:08:09

End at: 2018-01-25 22:08:39

Run 1: Report of QUIC Cubic — Data Link

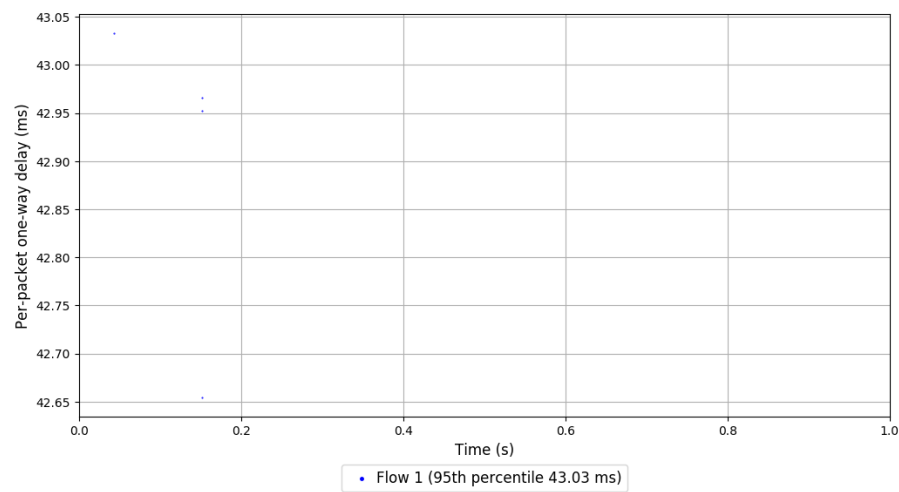
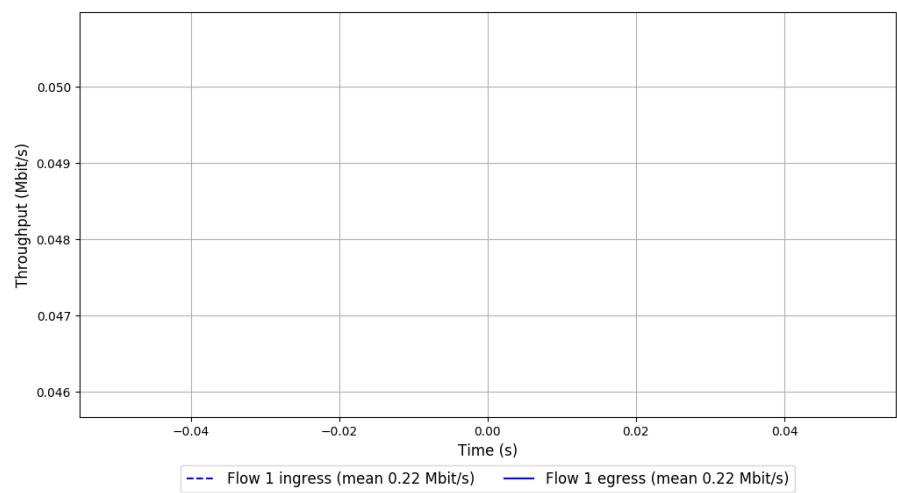


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-25 22:19:53

End at: 2018-01-25 22:20:23

Run 2: Report of QUIC Cubic — Data Link

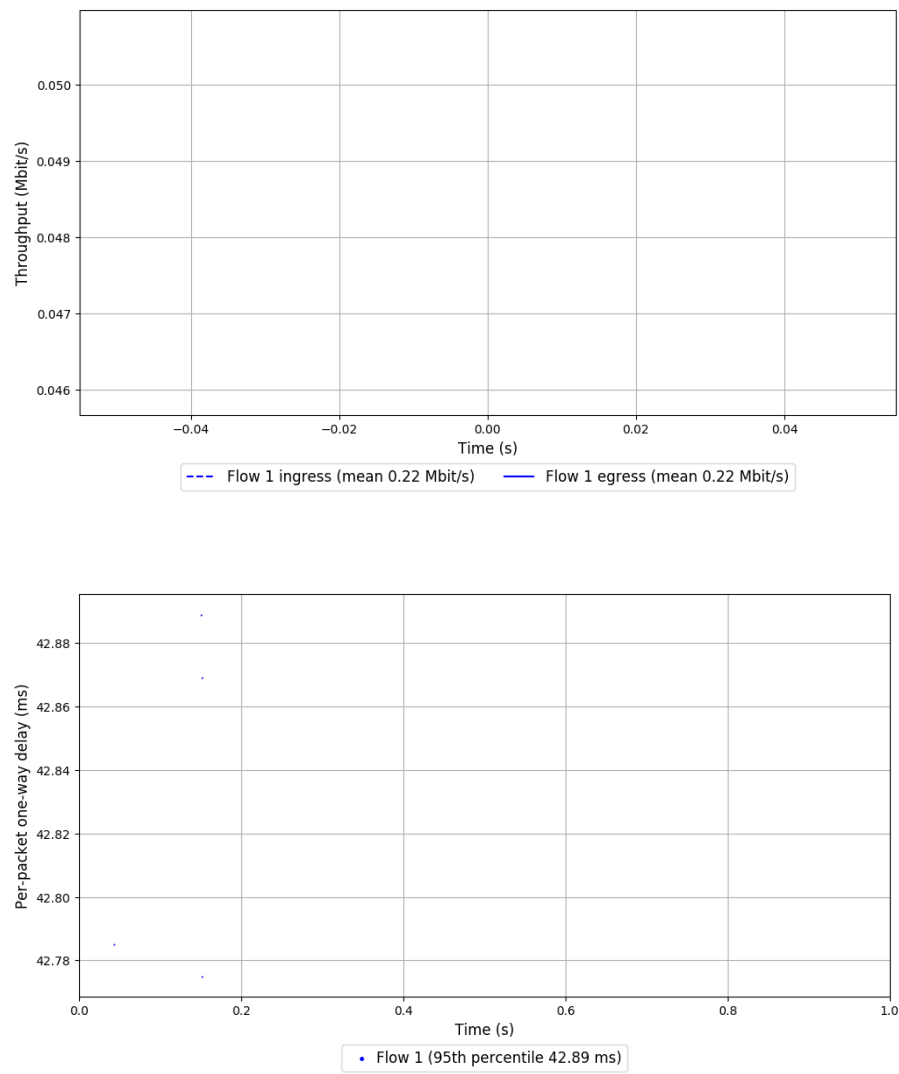


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-25 22:31:46

End at: 2018-01-25 22:32:16

Run 3: Report of QUIC Cubic — Data Link

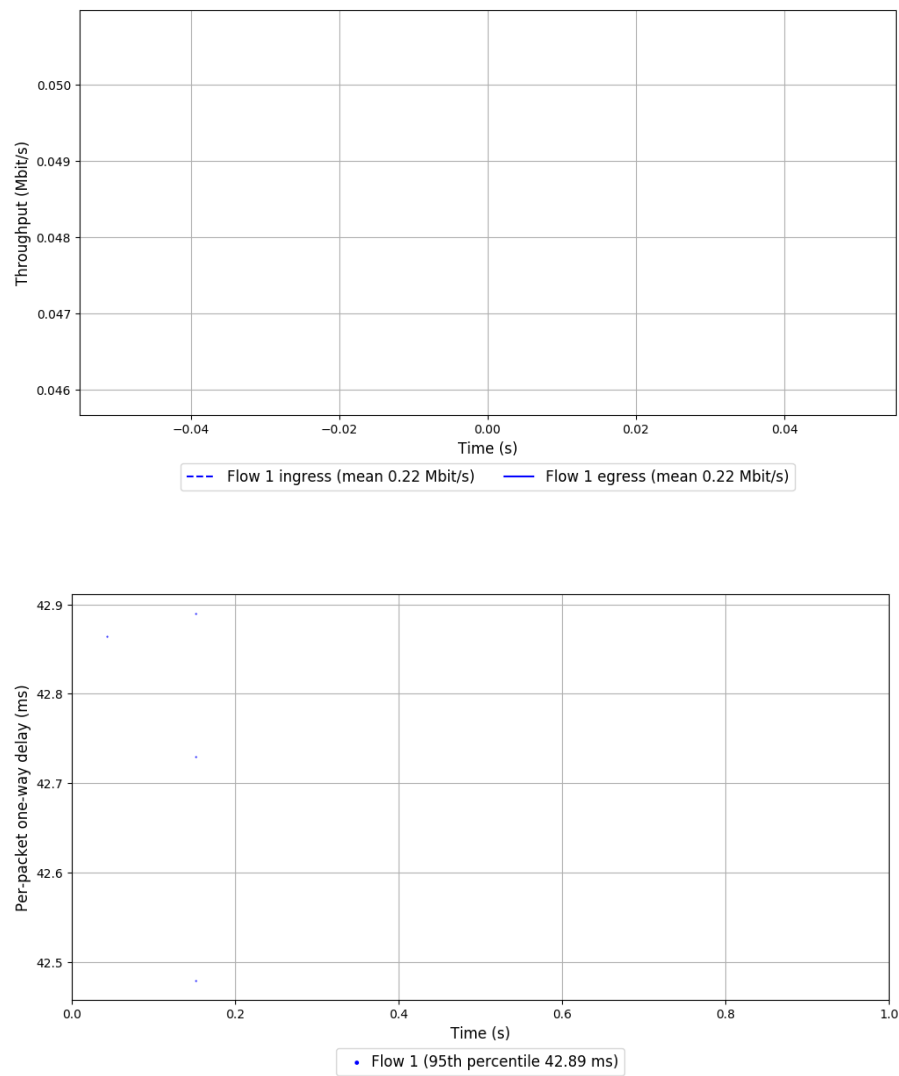


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-25 22:43:32

End at: 2018-01-25 22:44:02

Run 4: Report of QUIC Cubic — Data Link

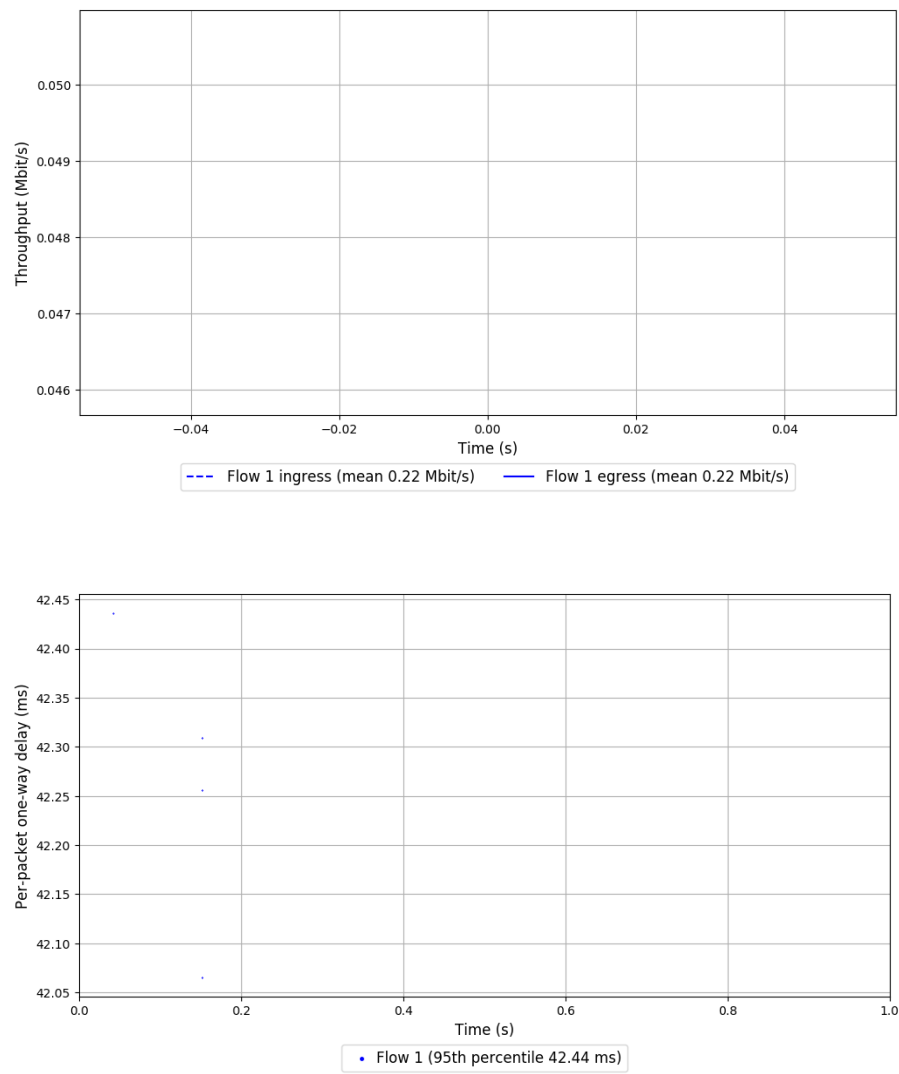


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-25 22:55:15

End at: 2018-01-25 22:55:45

Run 5: Report of QUIC Cubic — Data Link

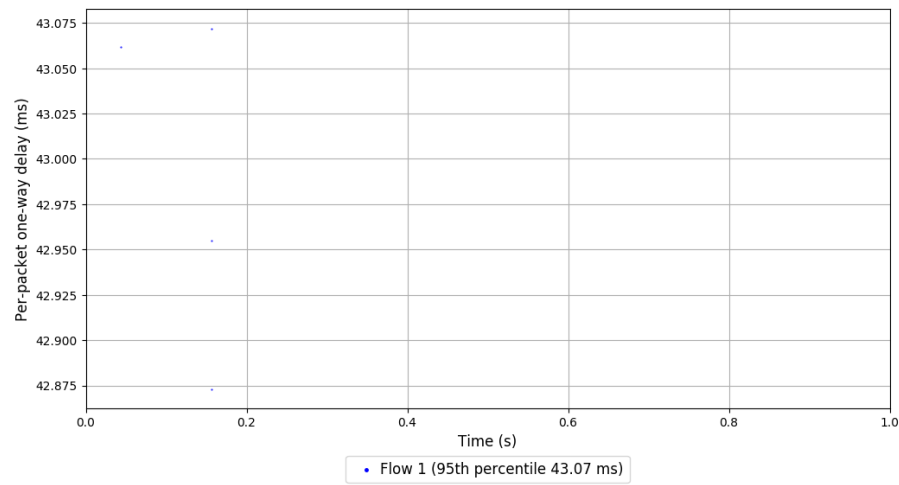
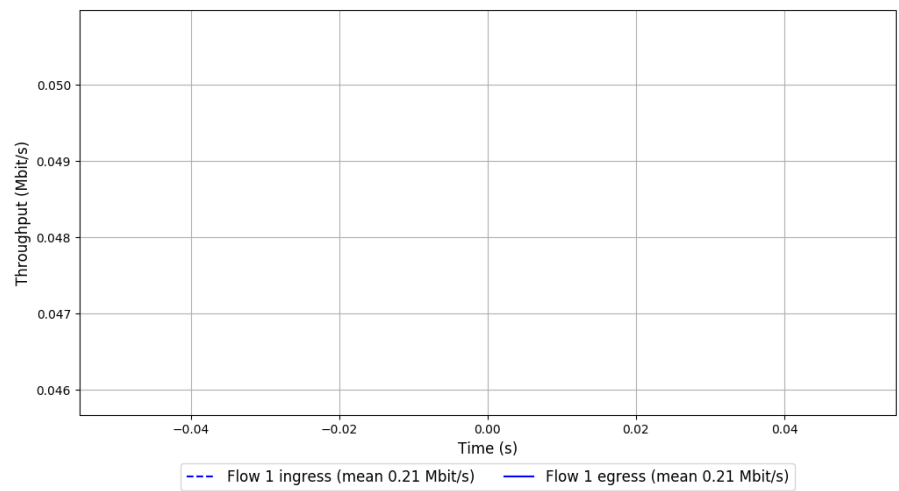


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-25 23:06:53

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

Run 6: Report of QUIC Cubic — Data Link

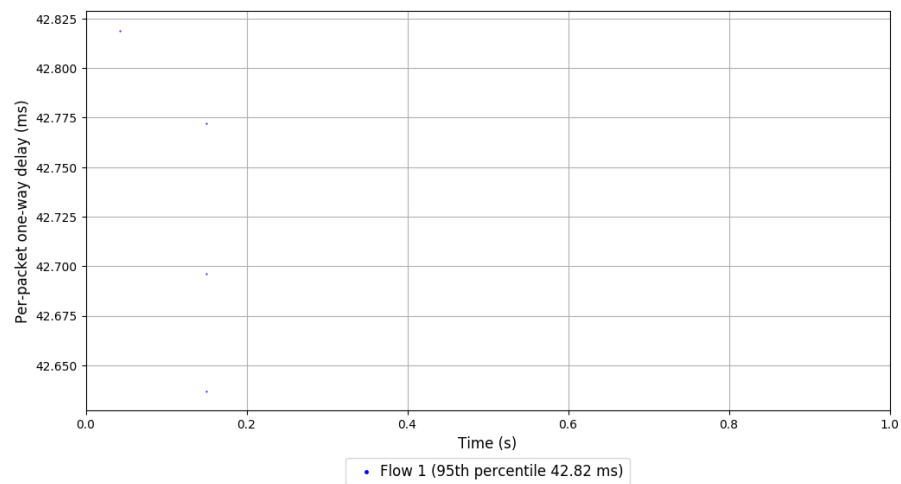
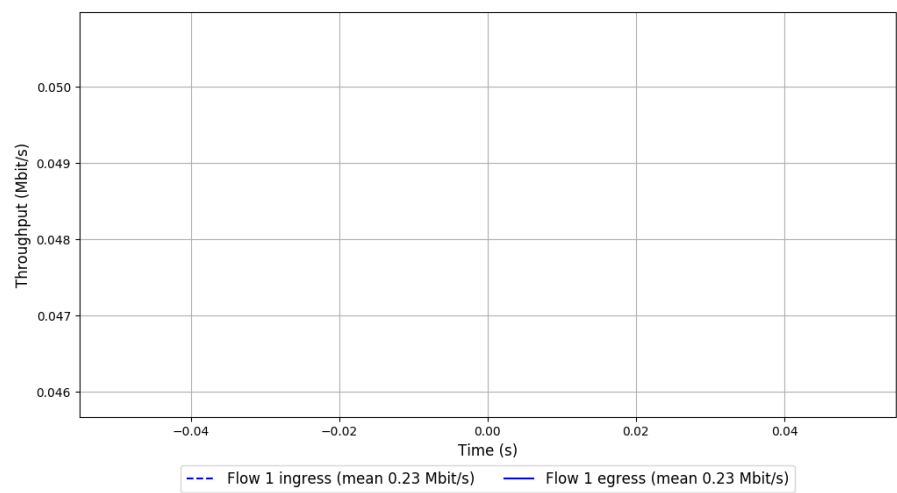


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-25 23:18:48

End at: 2018-01-25 23:19:18

Run 7: Report of QUIC Cubic — Data Link

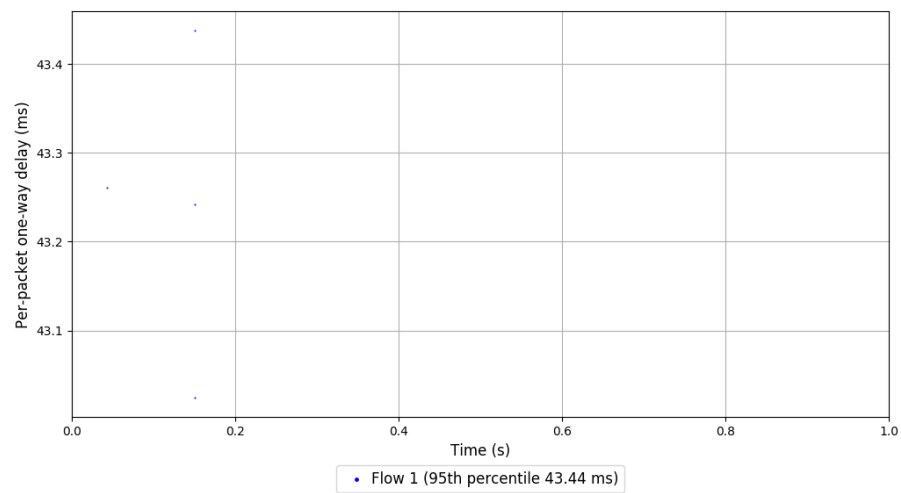
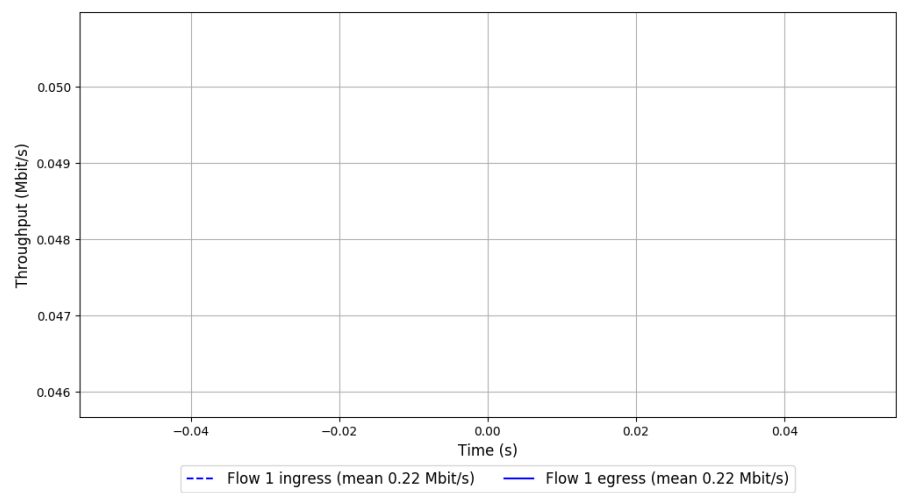


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-25 23:30:35

End at: 2018-01-25 23:31:05

Run 8: Report of QUIC Cubic — Data Link

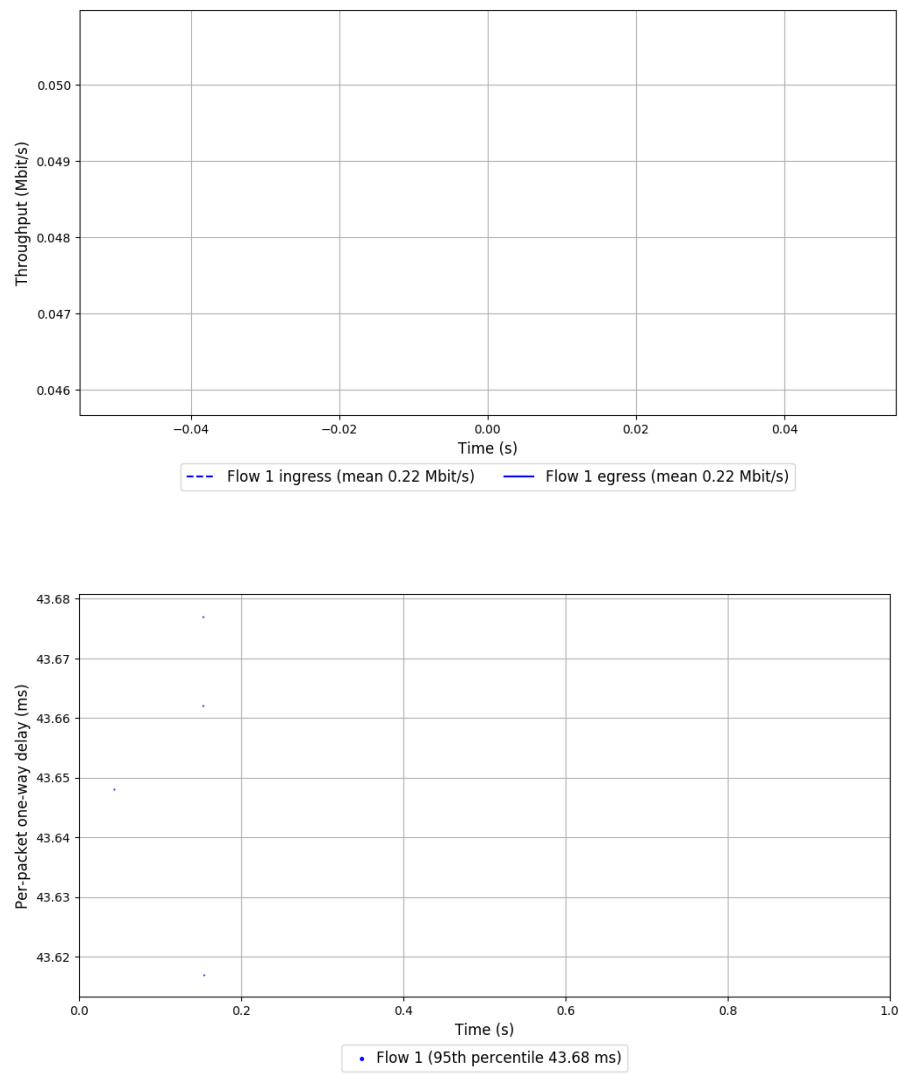


Run 9: Statistics of QUIC Cubic

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

End at: 2018-01-25 23:42:55

Run 9: Report of QUIC Cubic — Data Link

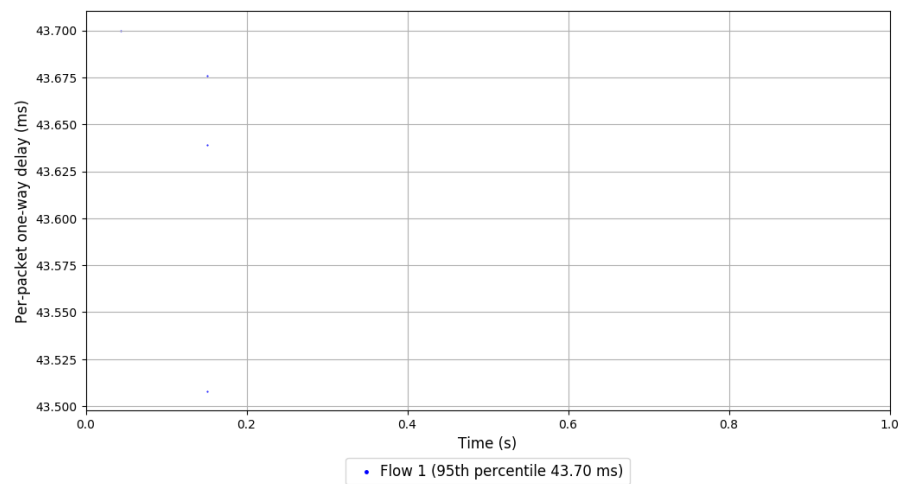
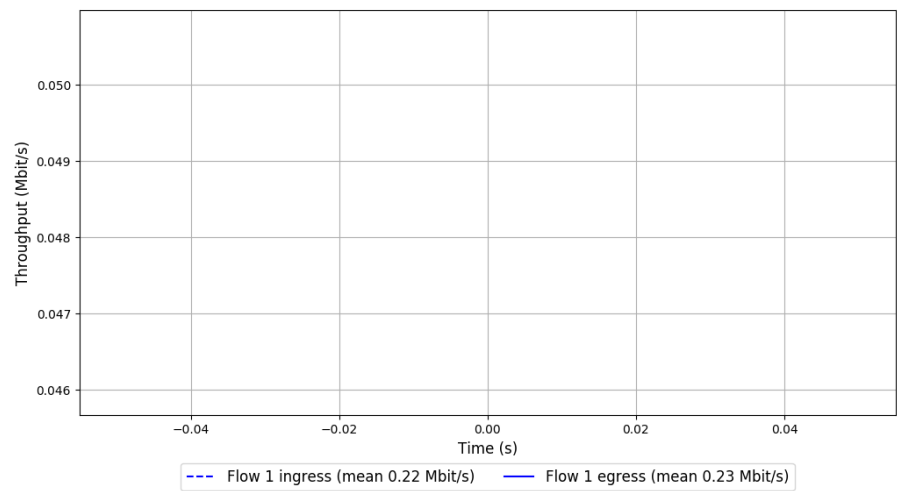


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-25 23:54:11

End at: 2018-01-25 23:54:41

Run 10: Report of QUIC Cubic — Data Link

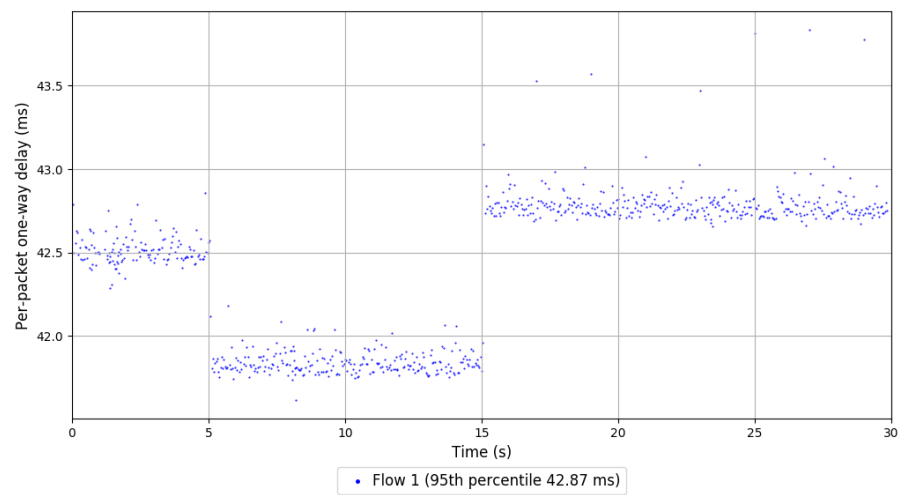
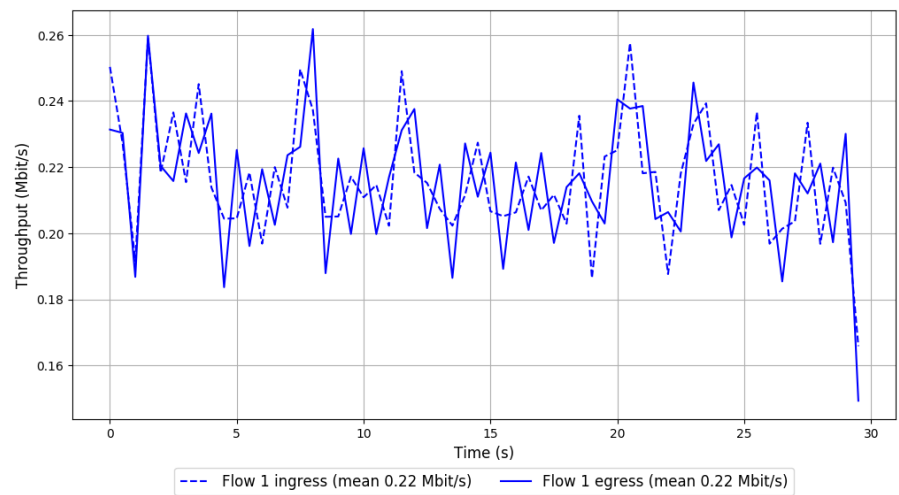


```
Run 1: Statistics of SCReAM

Start at: 2018-01-25 22:10:07
End at: 2018-01-25 22:10:37

# Below is generated by plot.py at 2018-01-26 02:22:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.865 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.865 ms
Loss rate: 0.25%
```

Run 1: Report of SReAM — Data Link

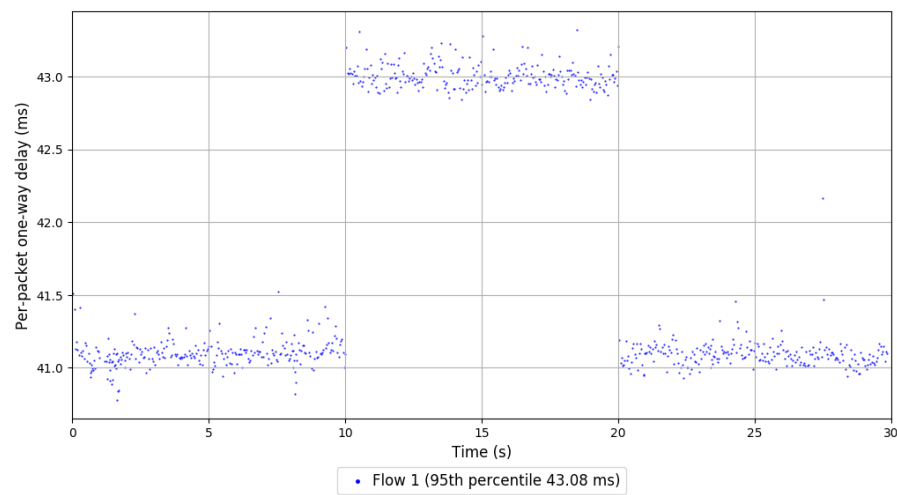
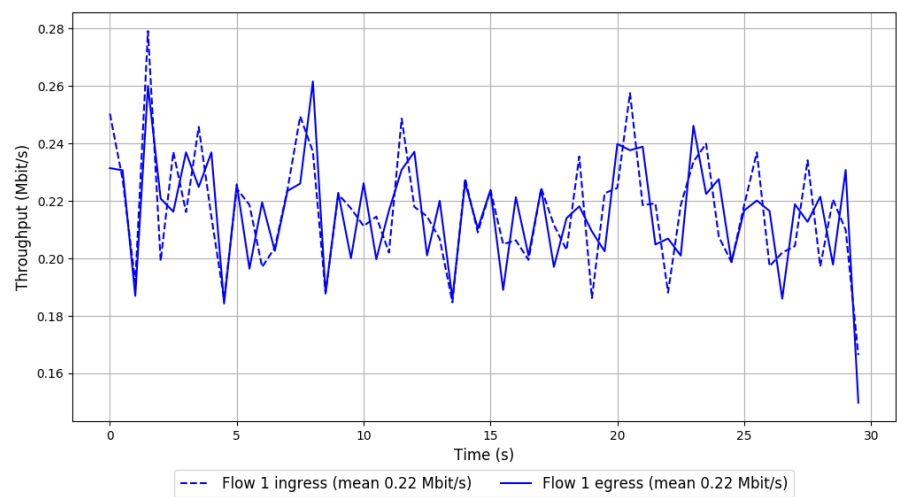


```
Run 2: Statistics of SCReAM

Start at: 2018-01-25 22:21:52
End at: 2018-01-25 22:22:22

# Below is generated by plot.py at 2018-01-26 02:22:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 43.076 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 43.076 ms
Loss rate: 0.25%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-25 22:33:48

End at: 2018-01-25 22:34:18

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.948 ms

Loss rate: 0.38%

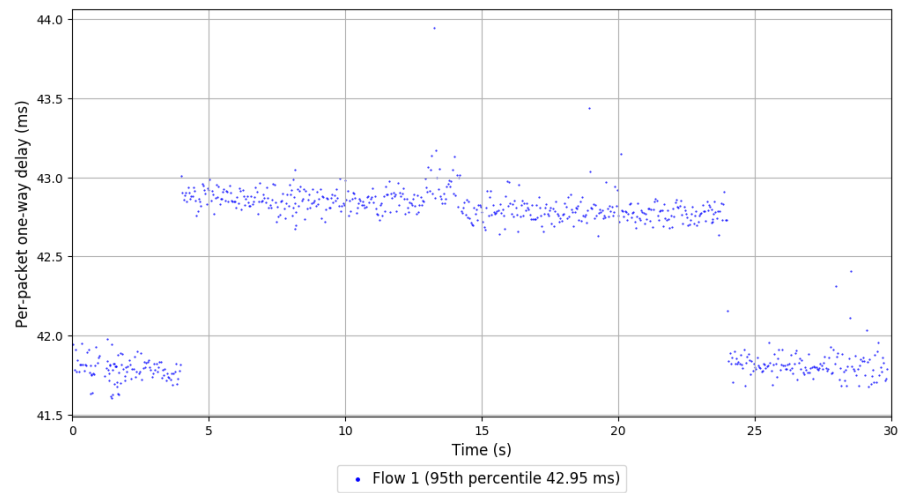
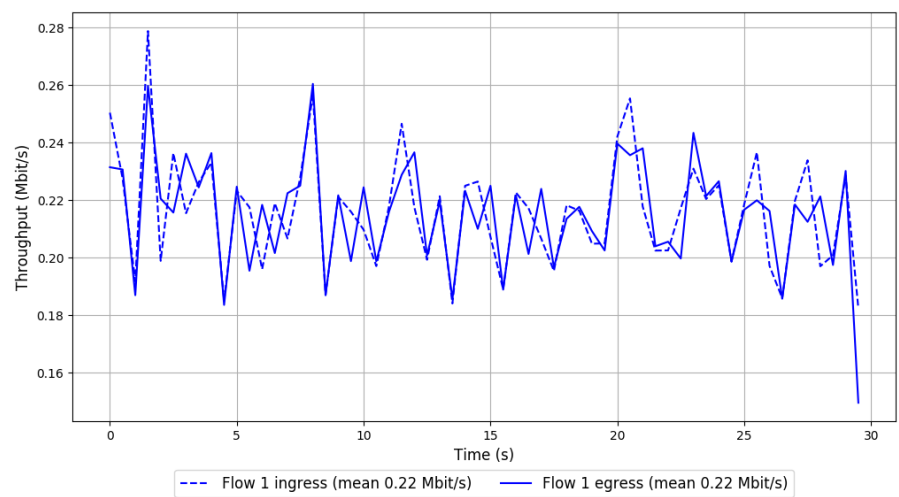
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.948 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link

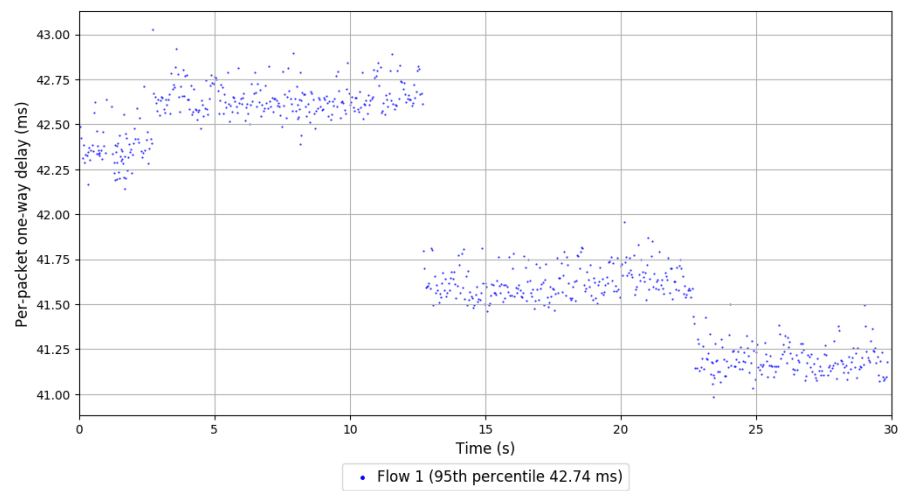
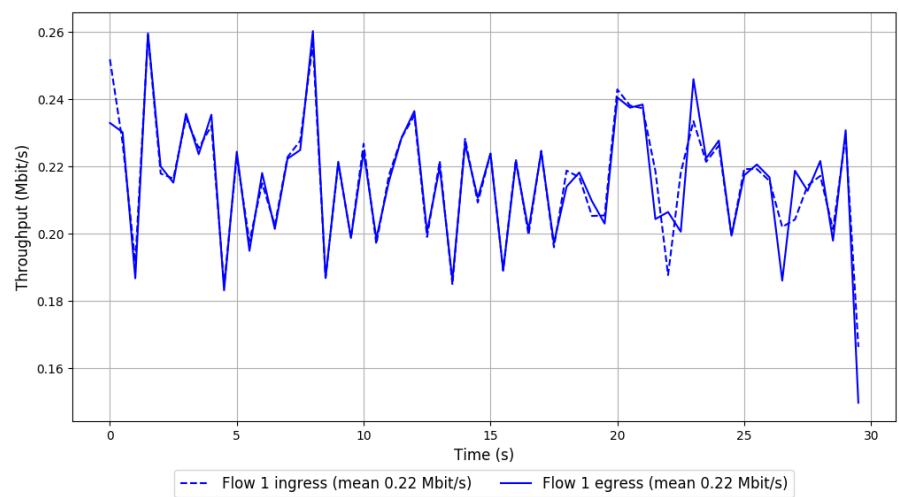


```
Run 4: Statistics of SCReAM

Start at: 2018-01-25 22:45:29
End at: 2018-01-25 22:45:59

# Below is generated by plot.py at 2018-01-26 02:22:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.740 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.740 ms
Loss rate: 0.25%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

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

End at: 2018-01-25 22:57:42

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.673 ms

Loss rate: 0.38%

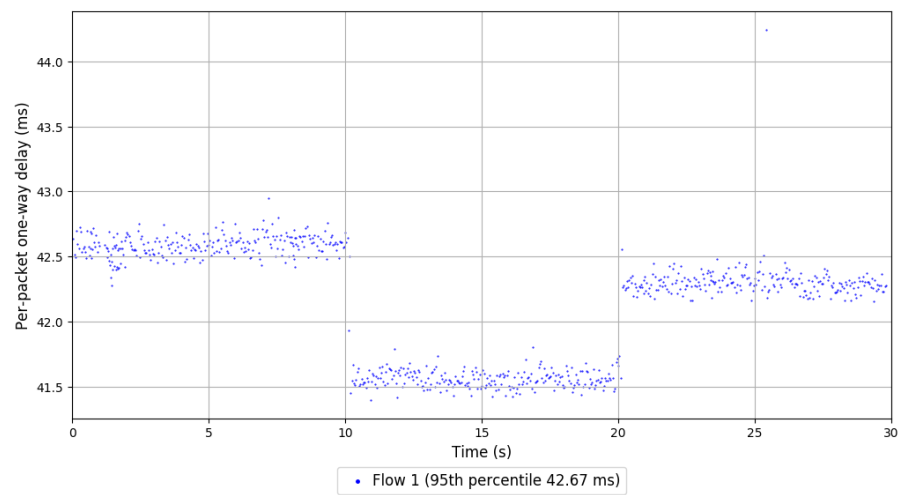
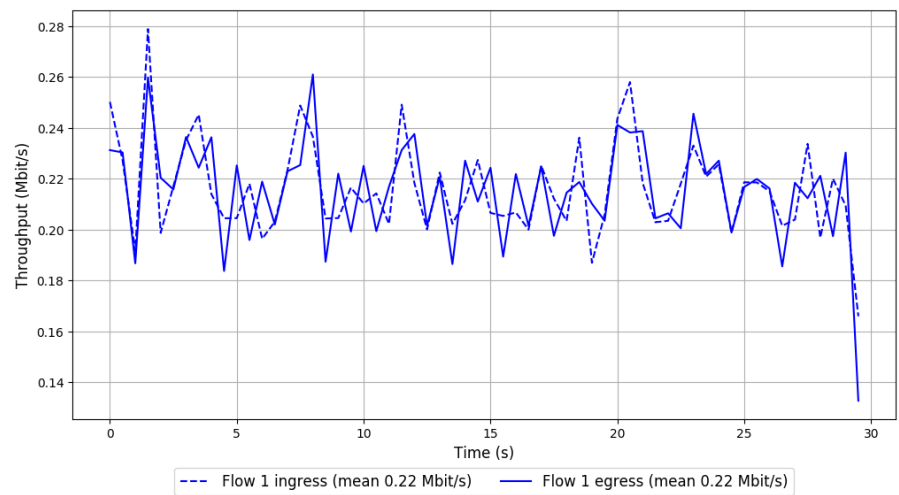
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.673 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-25 23:08:51

End at: 2018-01-25 23:09:22

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 43.177 ms

Loss rate: 0.25%

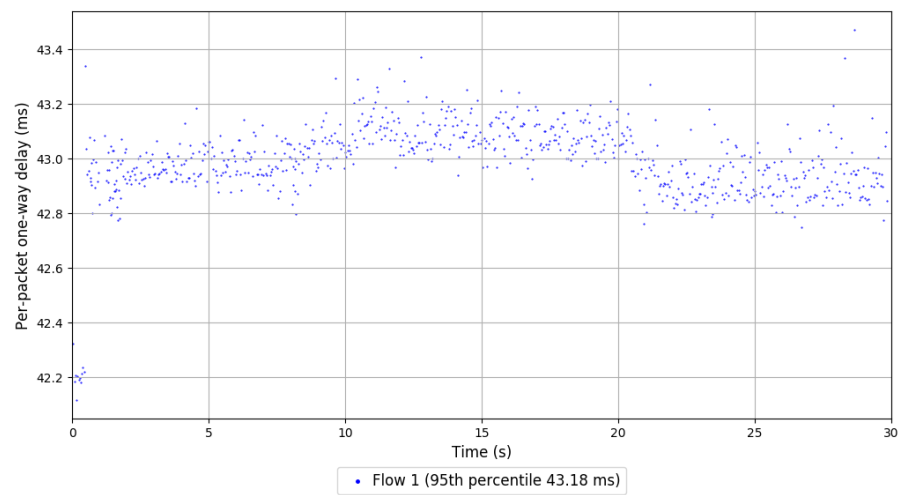
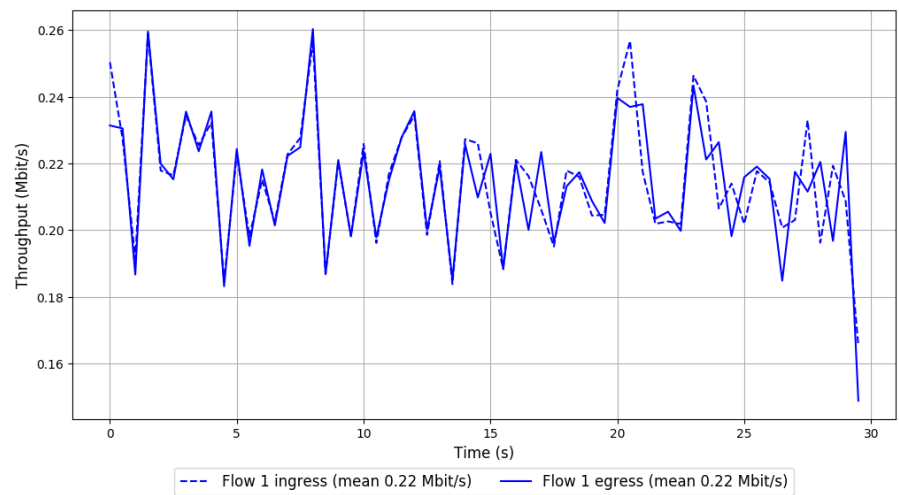
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 43.177 ms

Loss rate: 0.25%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-25 23:20:45

End at: 2018-01-25 23:21:15

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.279 ms

Loss rate: 0.38%

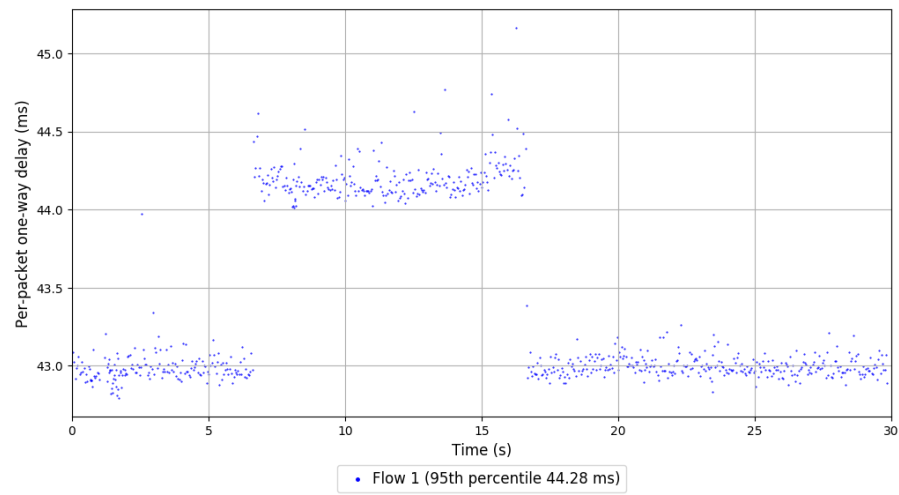
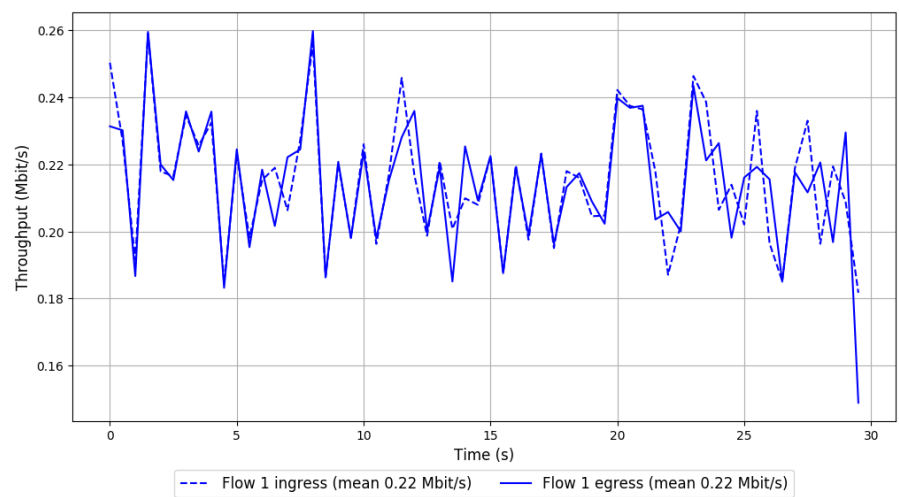
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.279 ms

Loss rate: 0.38%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-25 23:32:35

End at: 2018-01-25 23:33:05

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.377 ms

Loss rate: 0.38%

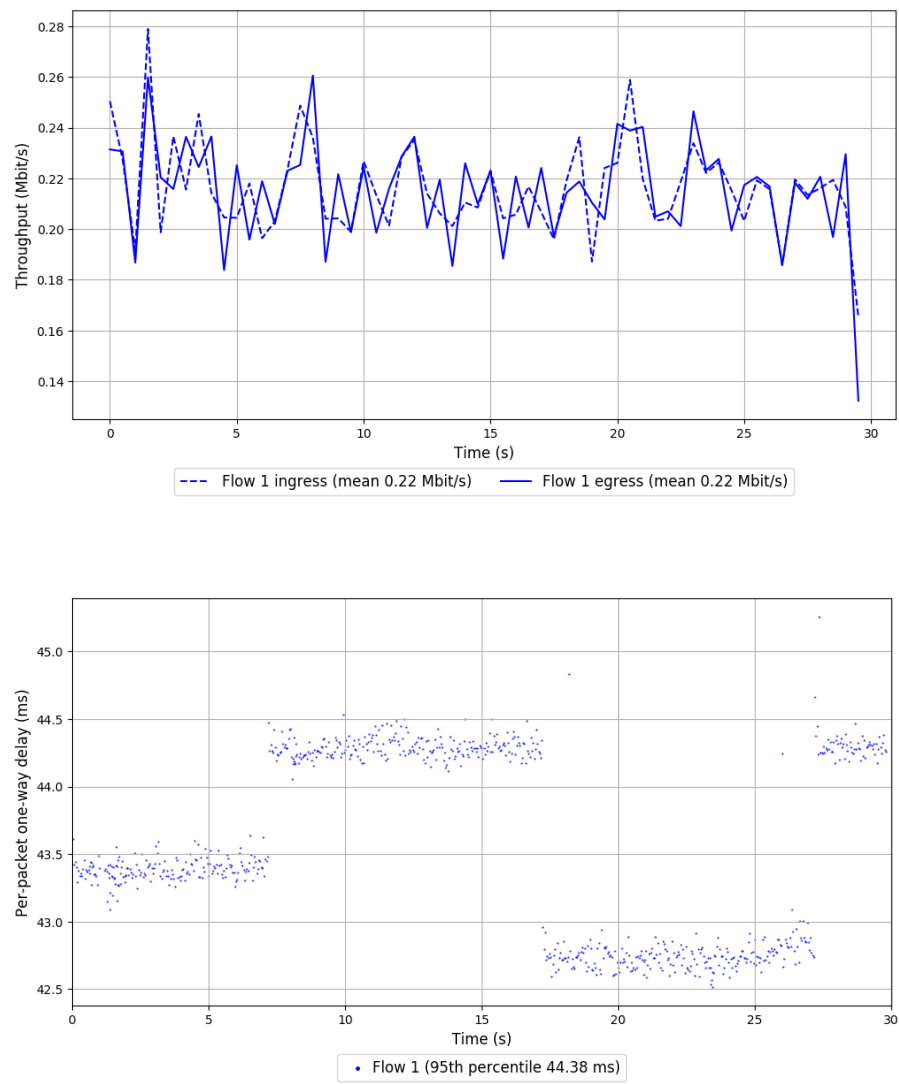
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.377 ms

Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-25 23:44:22

End at: 2018-01-25 23:44:52

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 45.030 ms

Loss rate: 0.25%

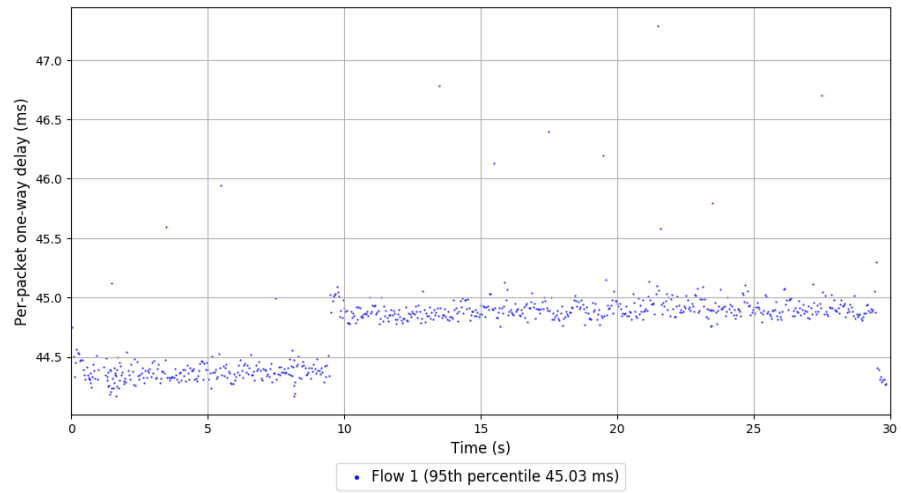
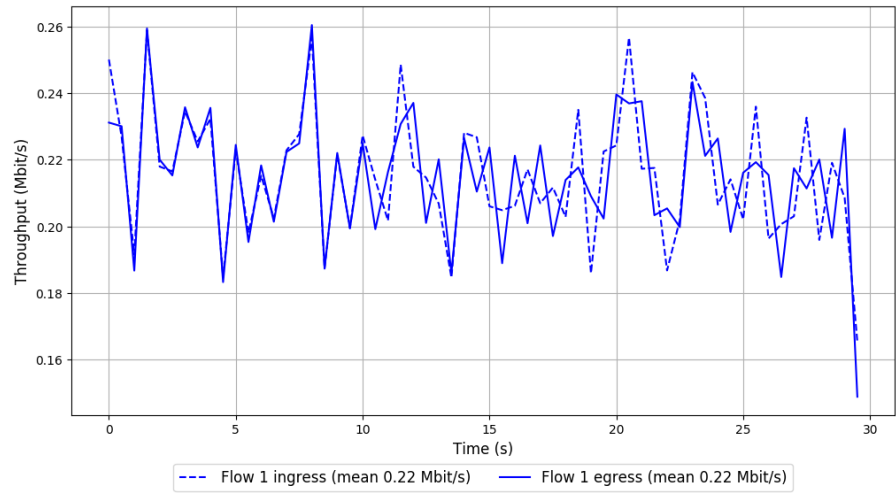
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 45.030 ms

Loss rate: 0.25%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-25 23:56:11

End at: 2018-01-25 23:56:41

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 45.575 ms

Loss rate: 0.38%

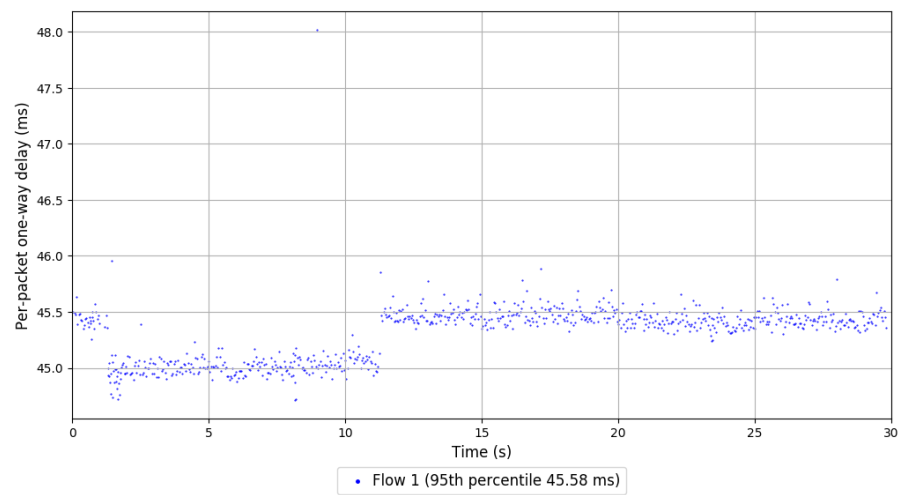
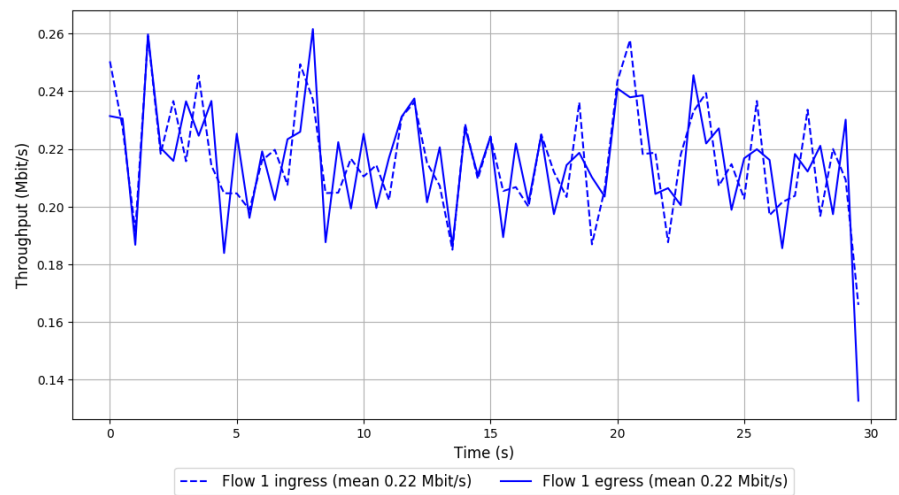
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 45.575 ms

Loss rate: 0.38%

Run 10: Report of SReAM — Data Link

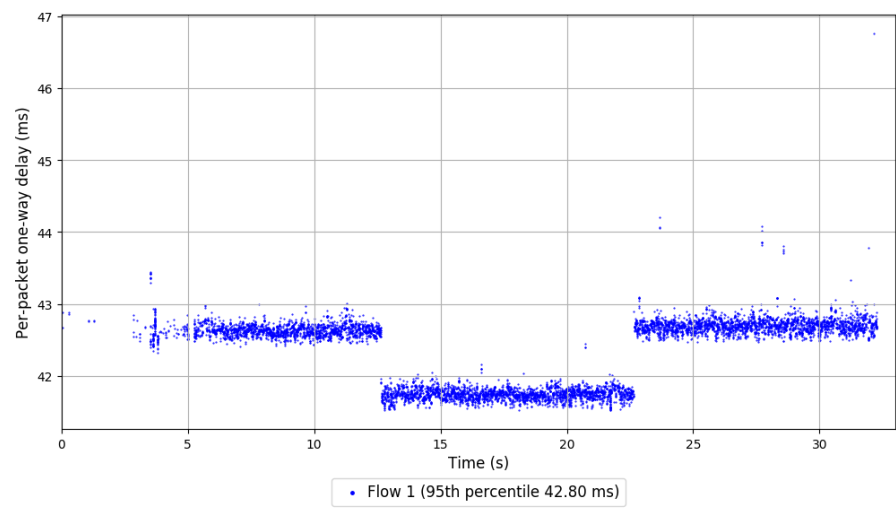
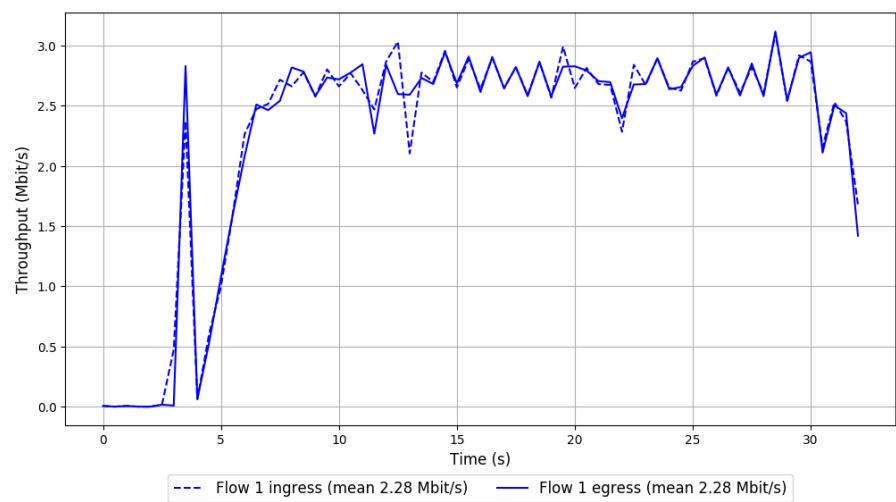


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-25 22:07:32
End at: 2018-01-25 22:08:02

# Below is generated by plot.py at 2018-01-26 02:22:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 42.801 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 42.801 ms
Loss rate: 0.28%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-25 22:19:17

End at: 2018-01-25 22:19:47

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 42.594 ms

Loss rate: 0.48%

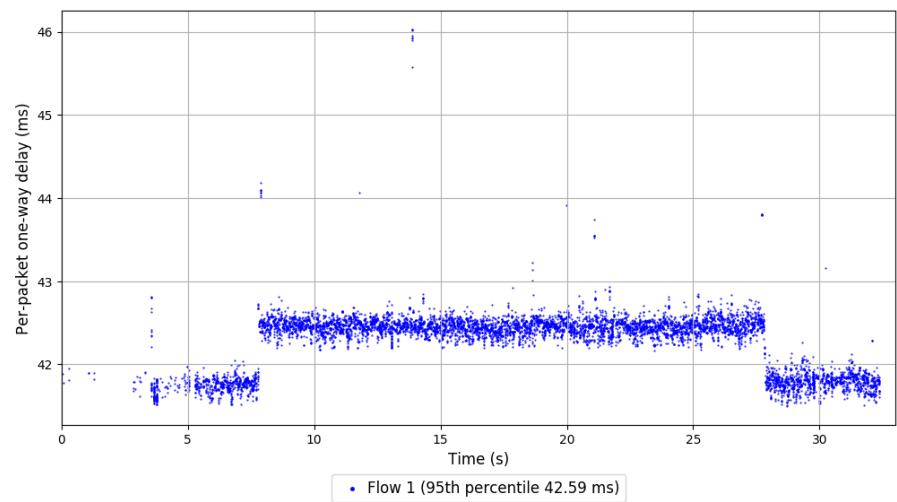
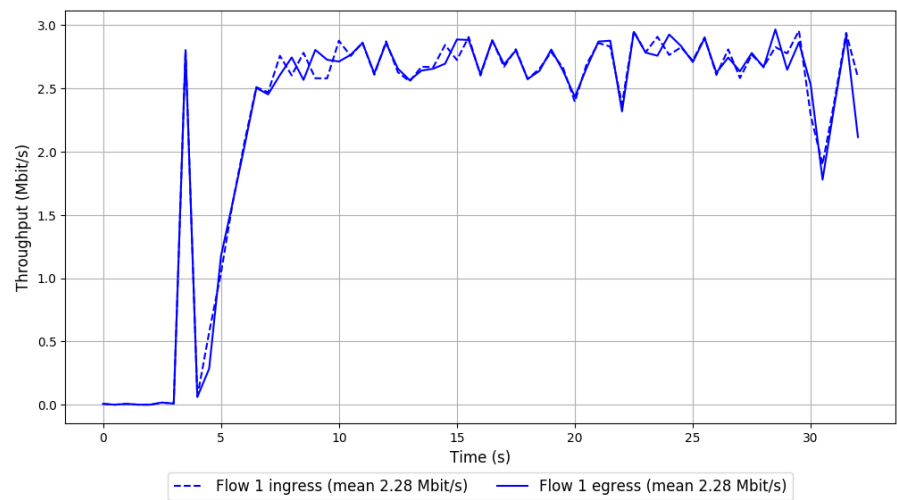
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 42.594 ms

Loss rate: 0.48%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-25 22:31:09

End at: 2018-01-25 22:31:39

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 42.878 ms

Loss rate: 0.46%

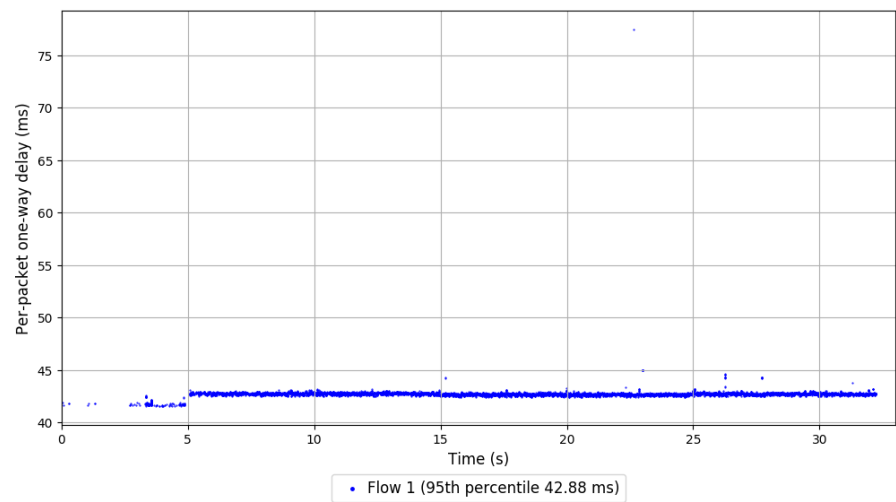
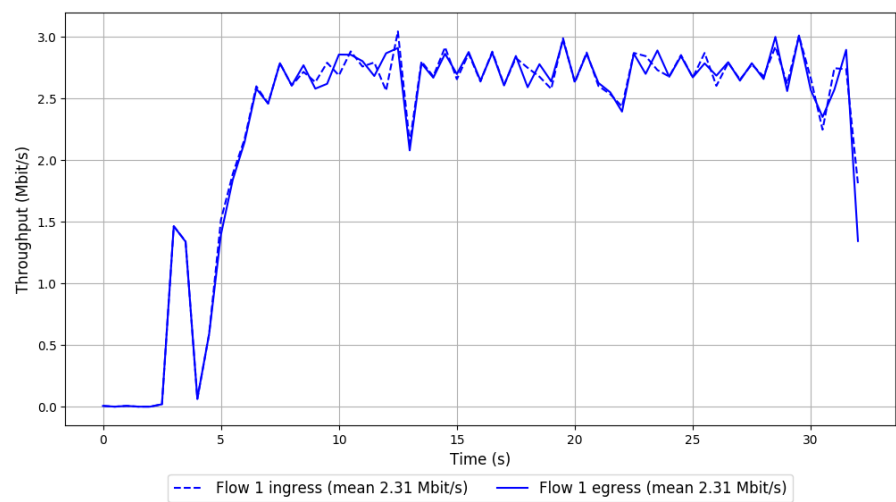
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 42.878 ms

Loss rate: 0.46%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-25 22:42:55

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

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 42.698 ms

Loss rate: 0.32%

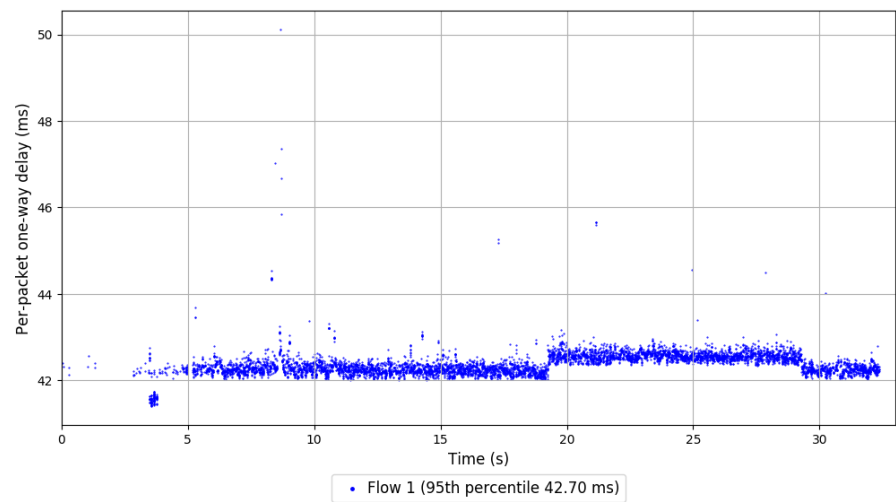
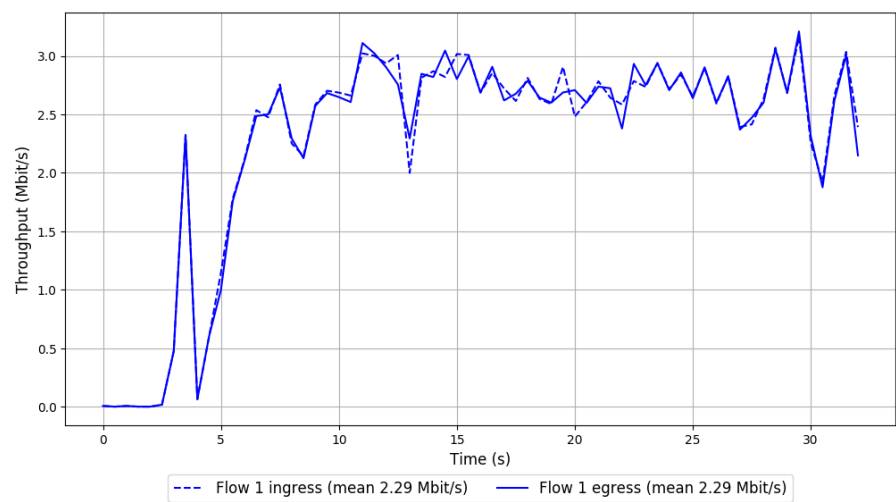
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 42.698 ms

Loss rate: 0.32%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

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

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

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 42.674 ms

Loss rate: 0.32%

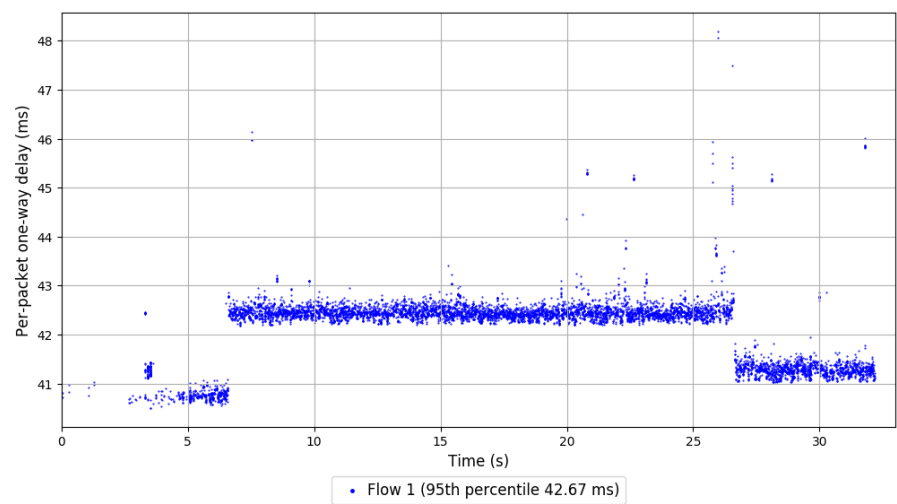
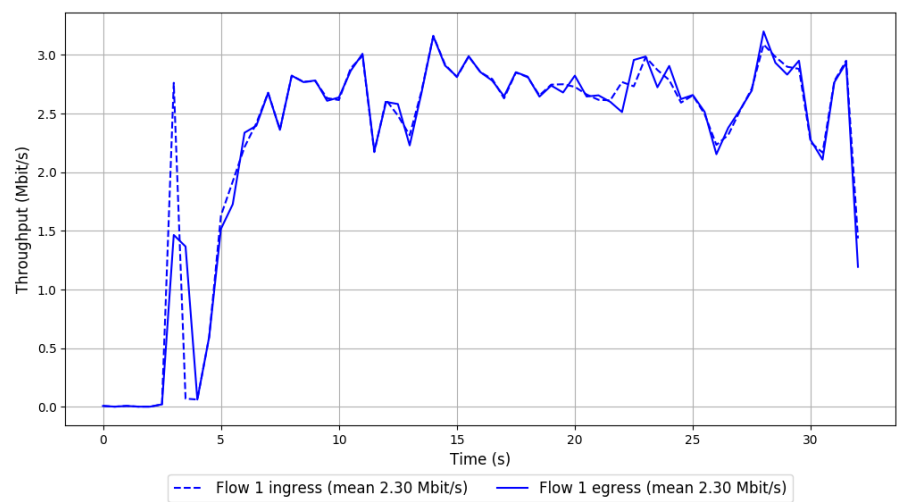
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 42.674 ms

Loss rate: 0.32%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

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

End at: 2018-01-25 23:06:46

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 42.195 ms

Loss rate: 0.48%

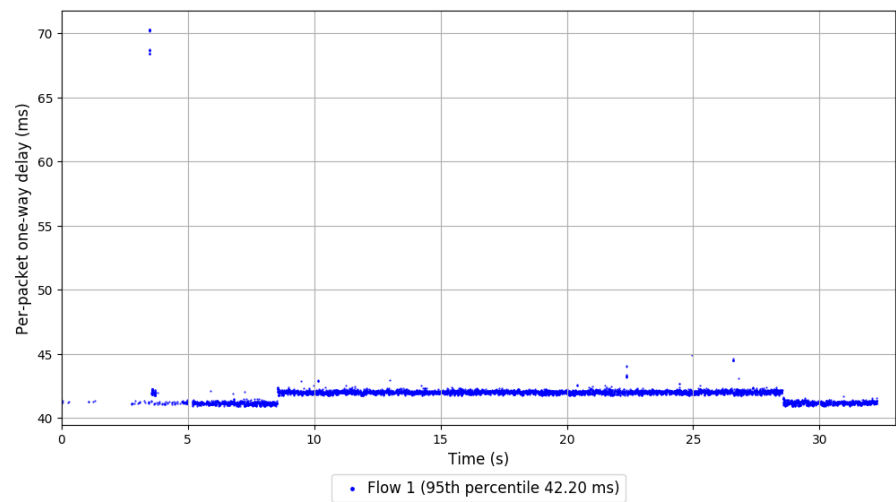
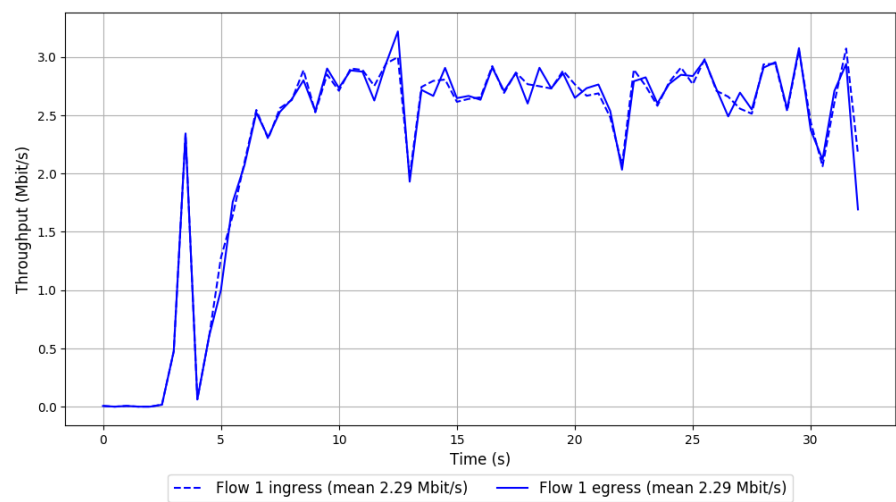
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 42.195 ms

Loss rate: 0.48%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-25 23:18:11

End at: 2018-01-25 23:18:41

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 43.059 ms

Loss rate: 0.48%

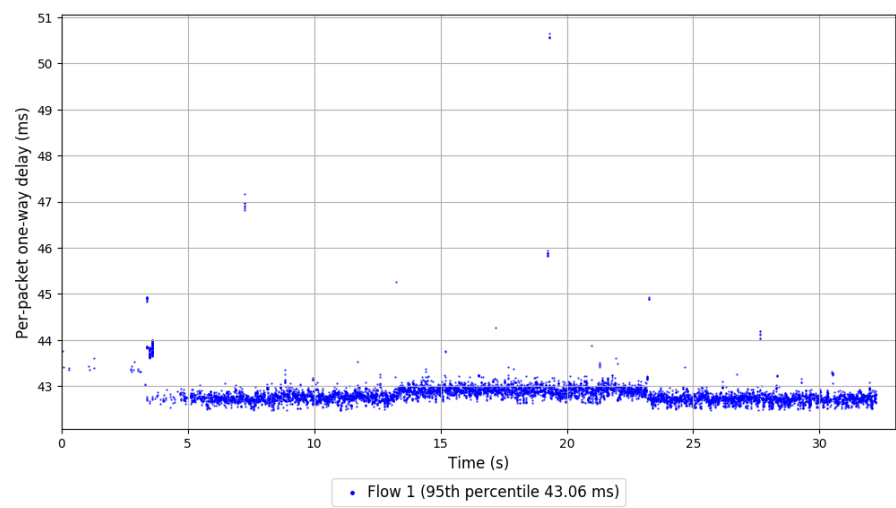
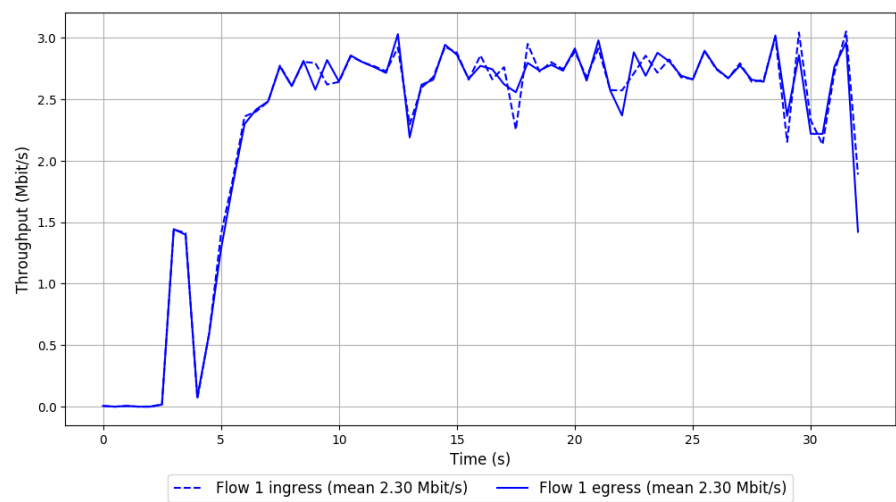
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 43.059 ms

Loss rate: 0.48%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-25 23:29:58

End at: 2018-01-25 23:30:28

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 44.454 ms

Loss rate: 0.48%

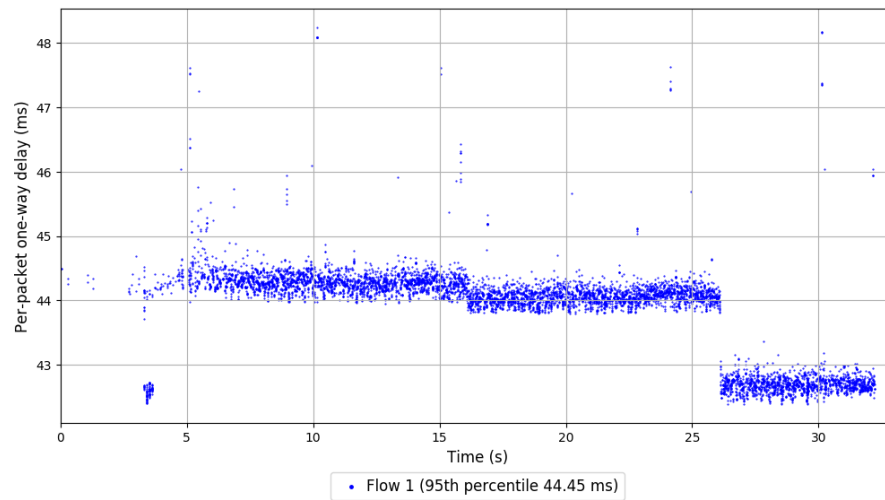
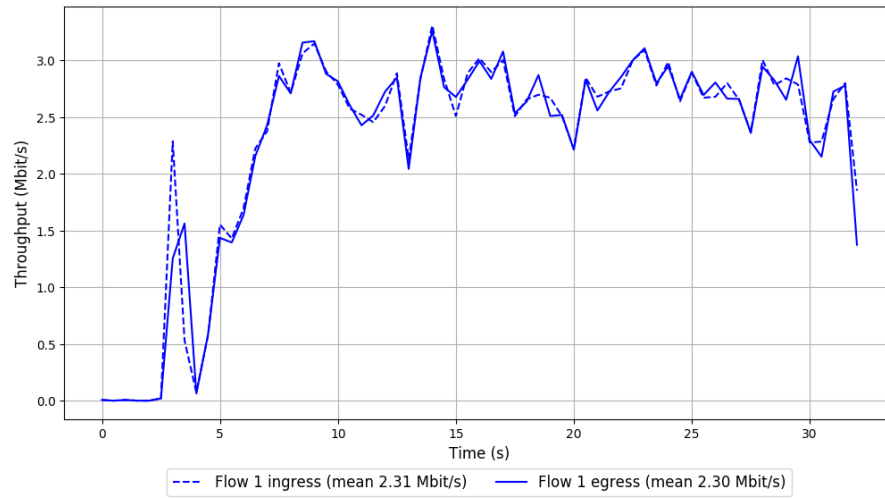
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 44.454 ms

Loss rate: 0.48%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-25 23:41:49

End at: 2018-01-25 23:42:19

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 44.961 ms

Loss rate: 0.51%

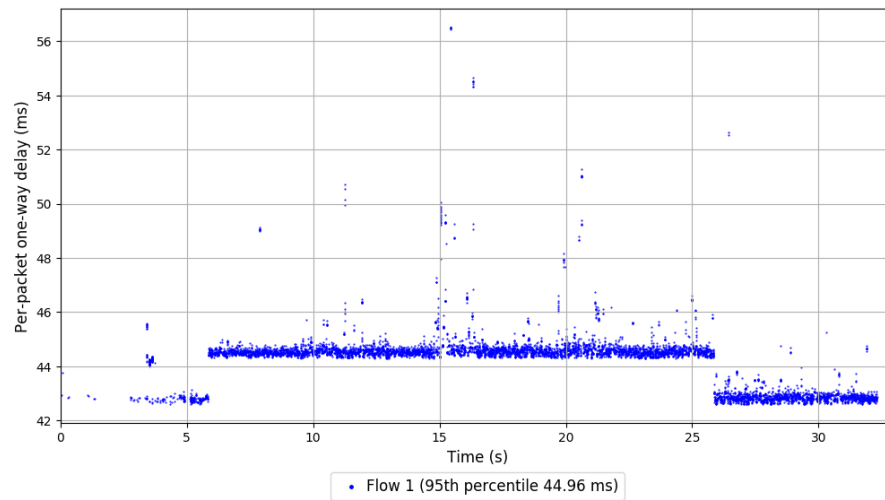
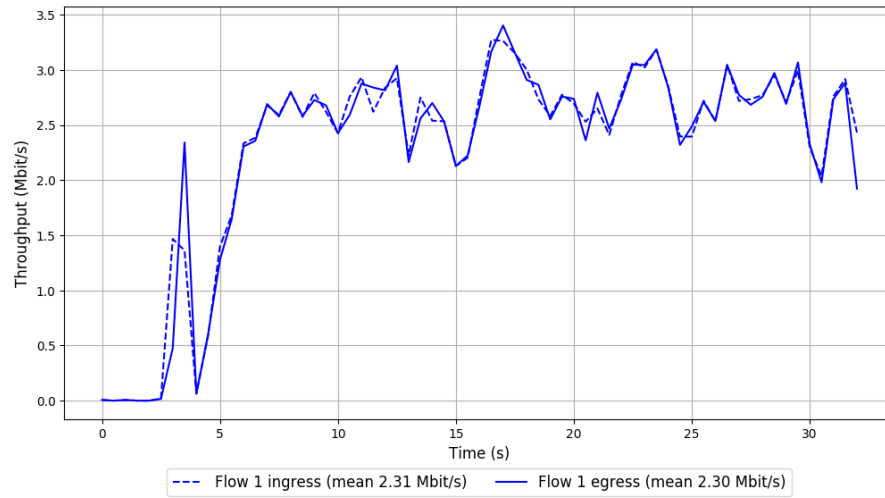
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 44.961 ms

Loss rate: 0.51%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-25 23:53:34

End at: 2018-01-25 23:54:04

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 45.393 ms

Loss rate: 0.32%

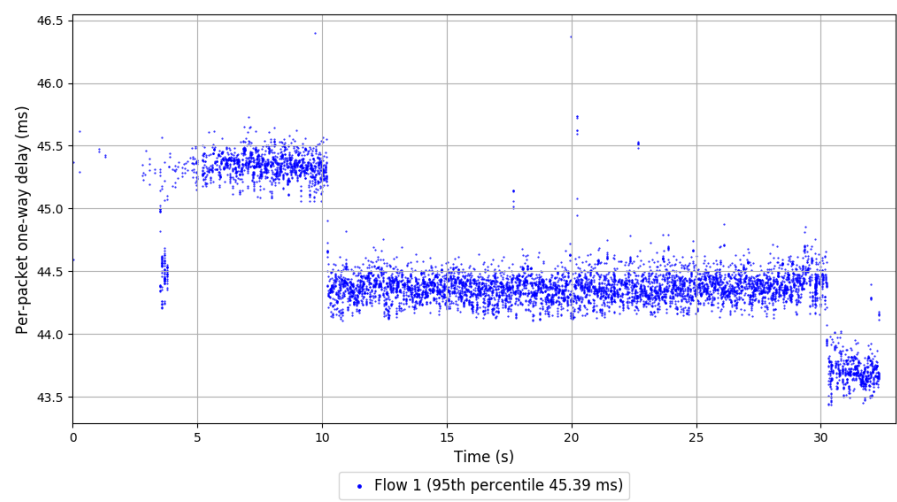
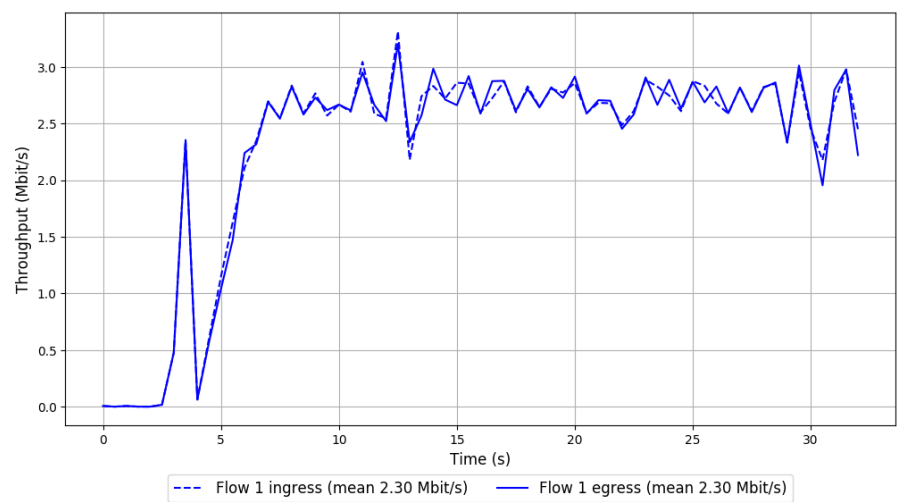
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 45.393 ms

Loss rate: 0.32%

Run 10: Report of WebRTC media — Data Link

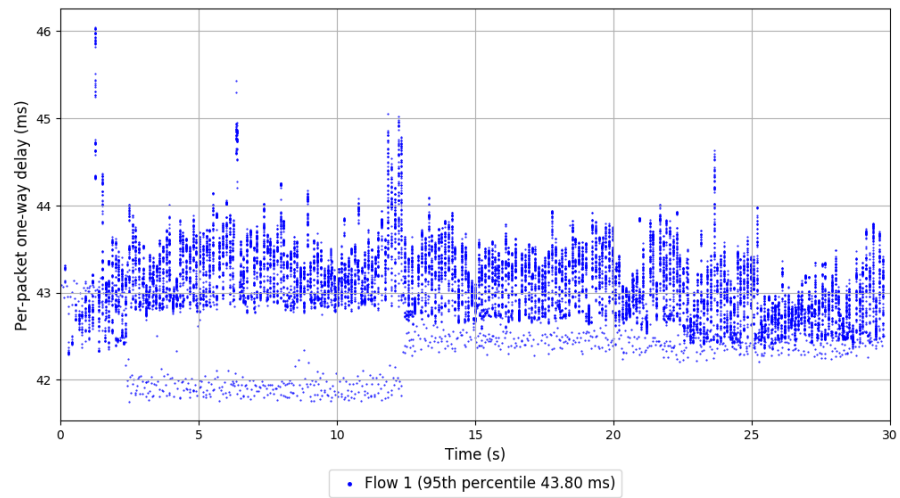
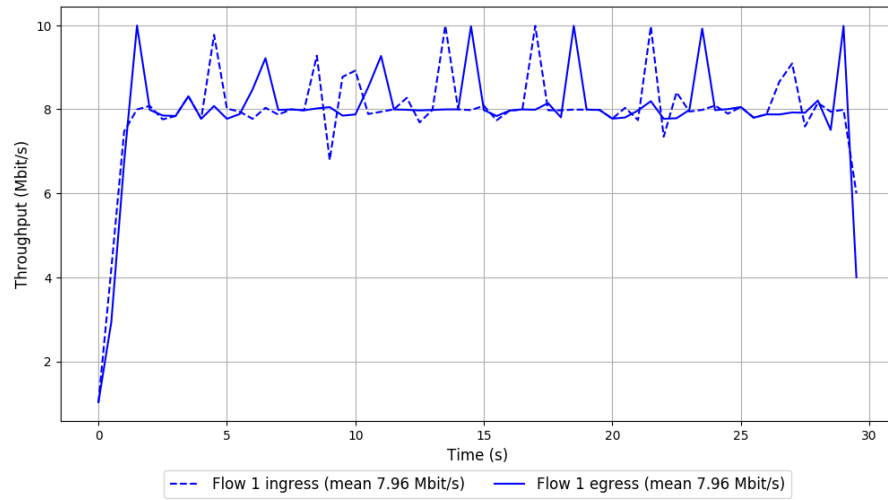


```
Run 1: Statistics of Sprout

Start at: 2018-01-25 22:09:29
End at: 2018-01-25 22:09:59

# Below is generated by plot.py at 2018-01-26 02:22:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 43.803 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 43.803 ms
Loss rate: 0.42%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-25 22:21:15

End at: 2018-01-25 22:21:45

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 43.217 ms

Loss rate: 0.24%

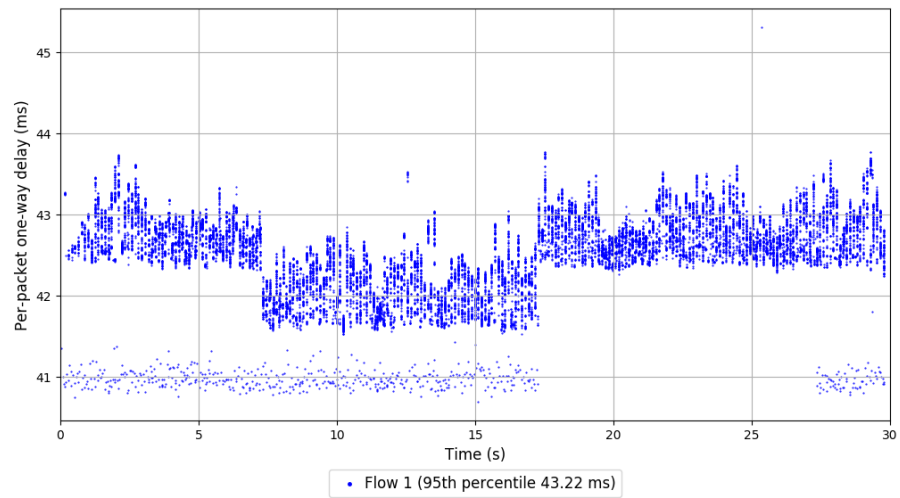
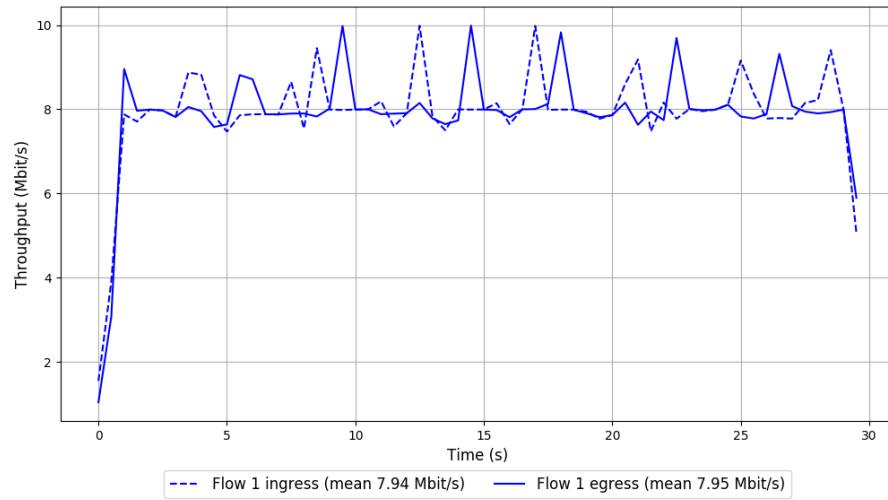
-- Flow 1:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 43.217 ms

Loss rate: 0.24%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-25 22:33:11

End at: 2018-01-25 22:33:41

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 42.678 ms

Loss rate: 0.42%

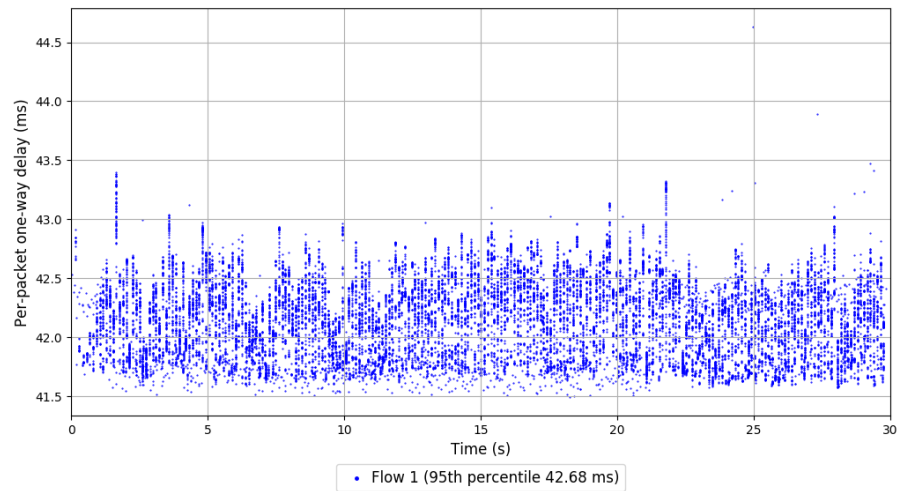
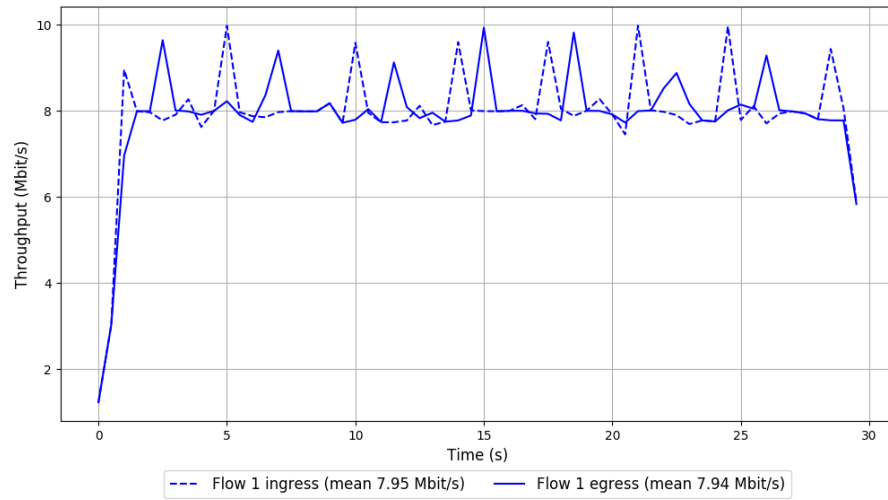
-- Flow 1:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 42.678 ms

Loss rate: 0.42%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-25 22:44:52

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

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 43.062 ms

Loss rate: 0.49%

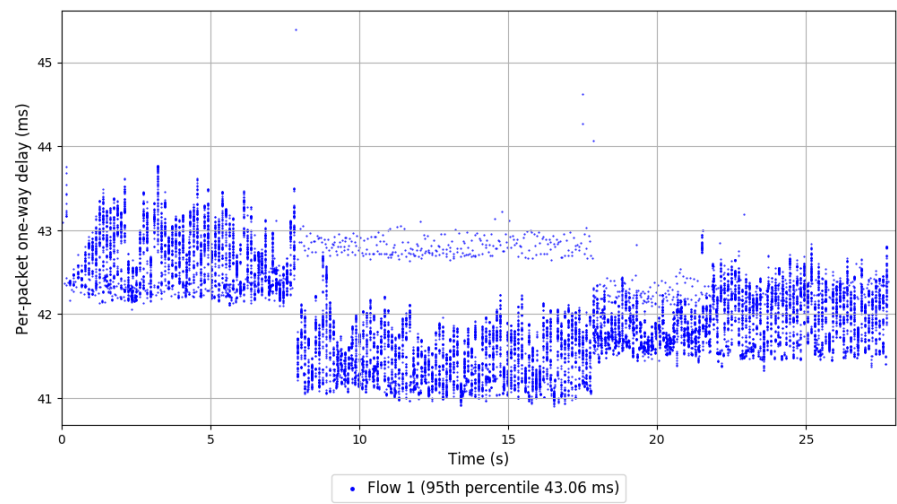
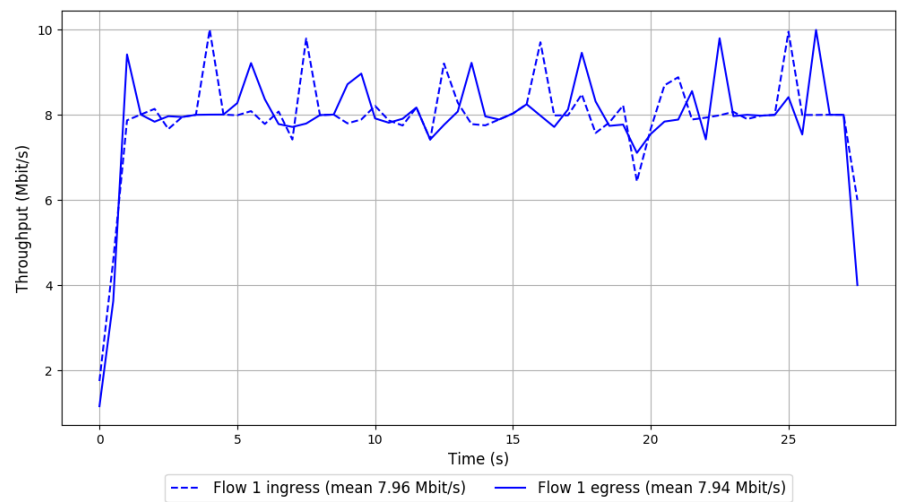
-- Flow 1:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 43.062 ms

Loss rate: 0.49%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-25 22:56:34

End at: 2018-01-25 22:57:05

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 43.374 ms

Loss rate: 0.42%

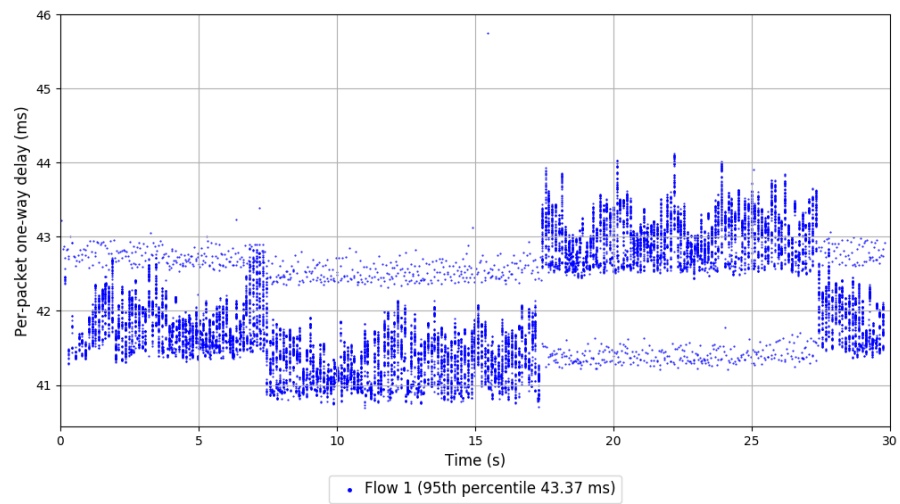
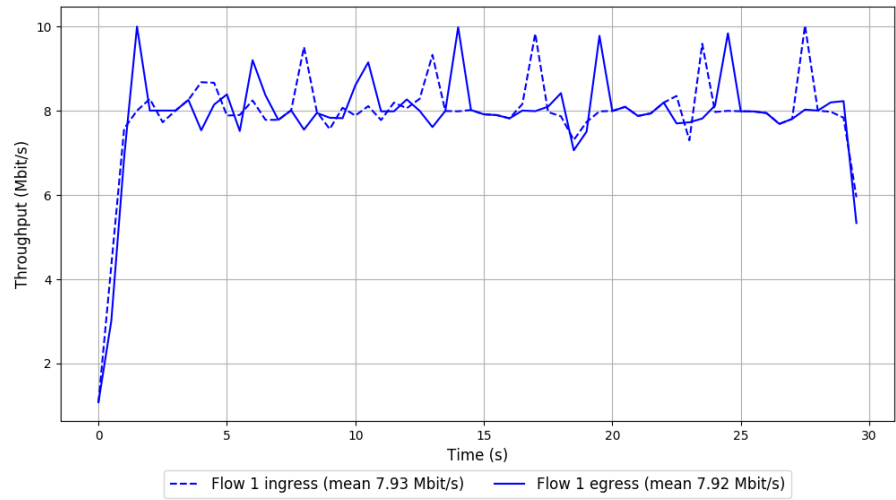
-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 43.374 ms

Loss rate: 0.42%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-25 23:08:14

End at: 2018-01-25 23:08:44

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 43.450 ms

Loss rate: 0.40%

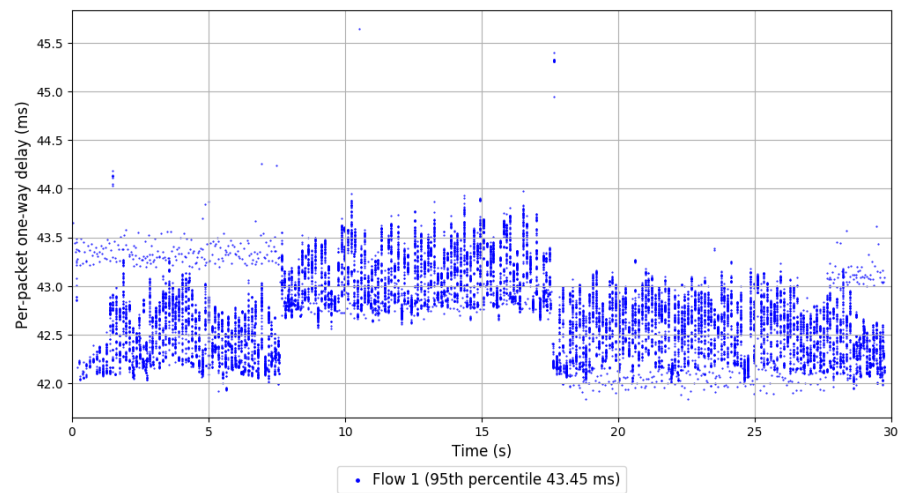
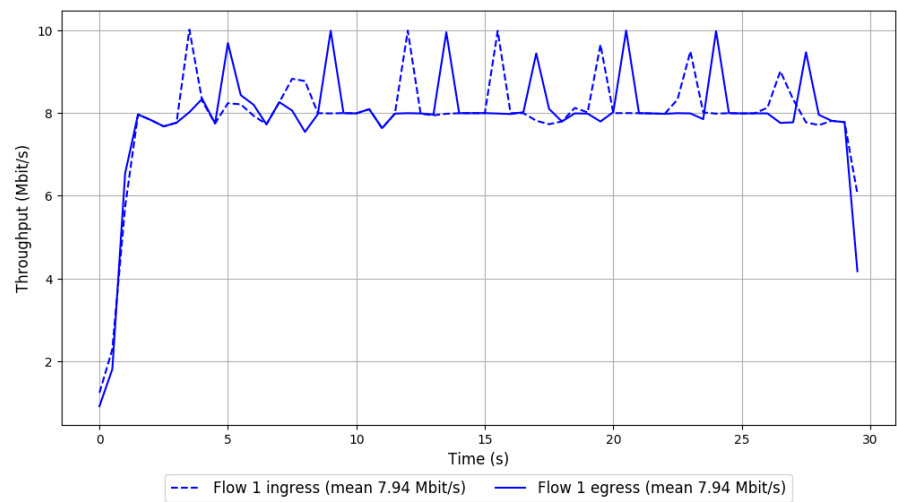
-- Flow 1:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 43.450 ms

Loss rate: 0.40%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-25 23:20:08

End at: 2018-01-25 23:20:38

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 44.672 ms

Loss rate: 0.45%

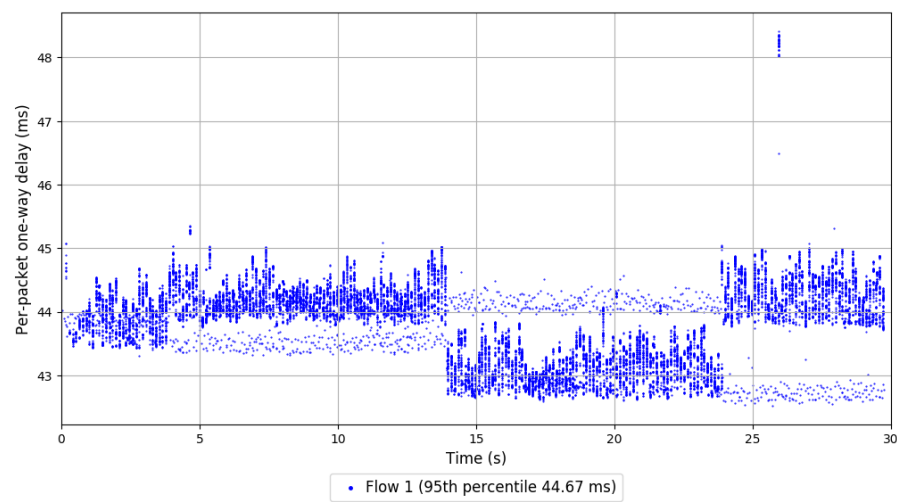
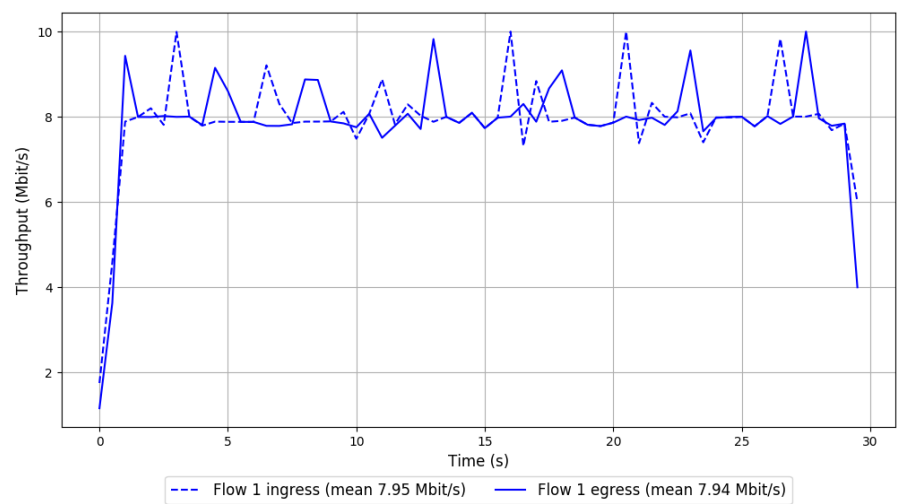
-- Flow 1:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 44.672 ms

Loss rate: 0.45%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-25 23:31:57

End at: 2018-01-25 23:32:27

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 45.119 ms

Loss rate: 0.44%

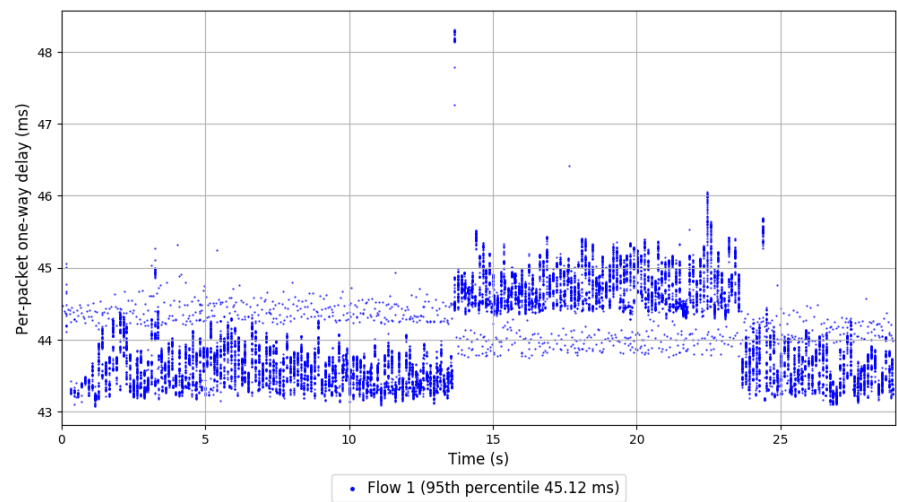
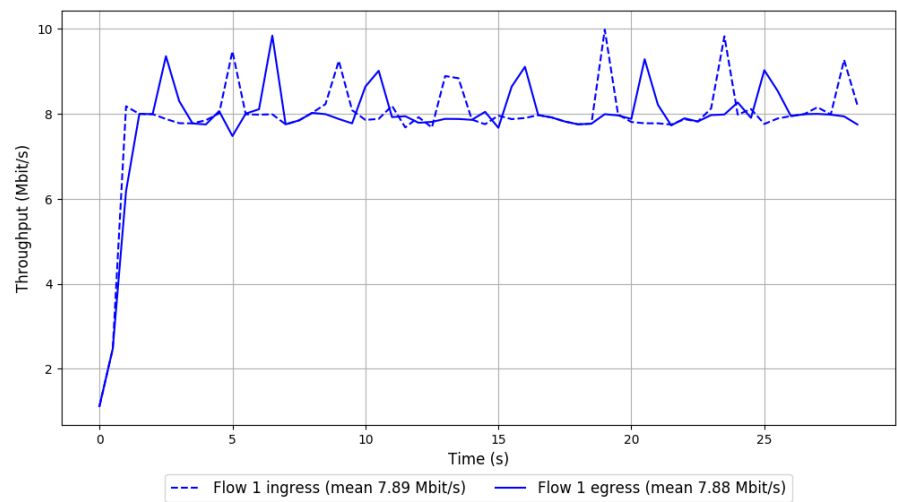
-- Flow 1:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 45.119 ms

Loss rate: 0.44%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-25 23:43:45

End at: 2018-01-25 23:44:15

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 45.579 ms

Loss rate: 0.42%

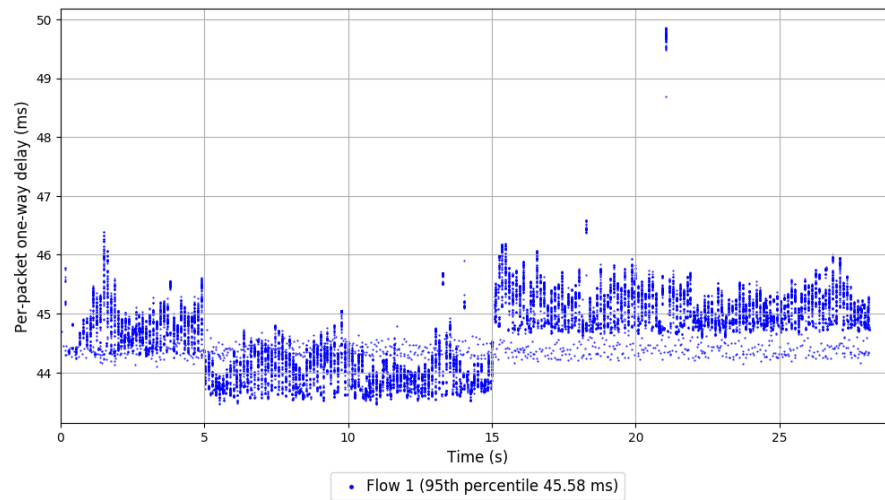
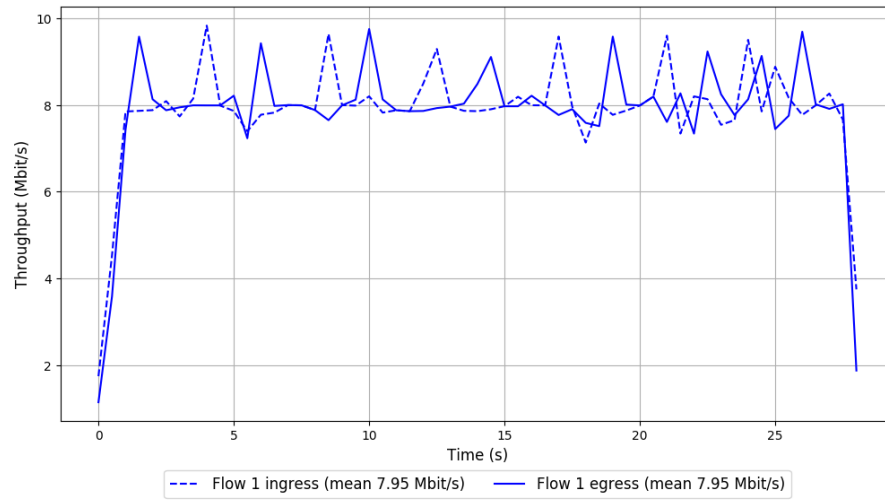
-- Flow 1:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 45.579 ms

Loss rate: 0.42%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-25 23:55:33

End at: 2018-01-25 23:56:03

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 46.555 ms

Loss rate: 0.02%

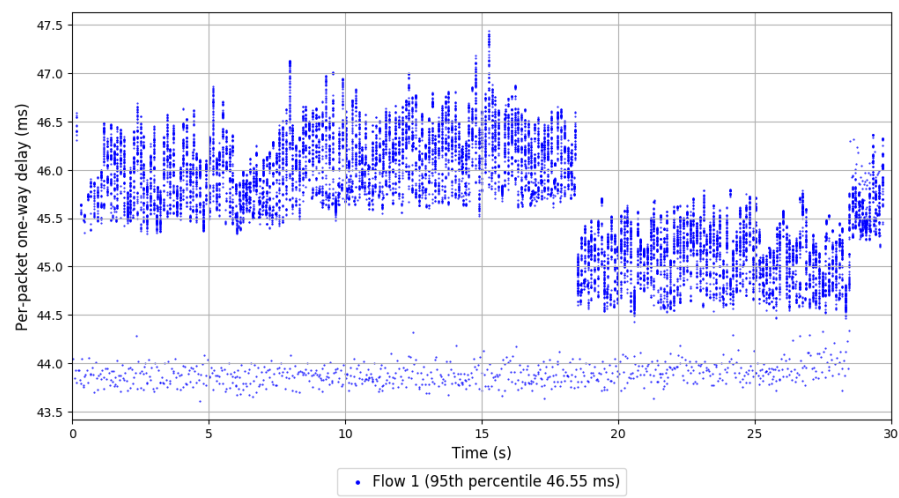
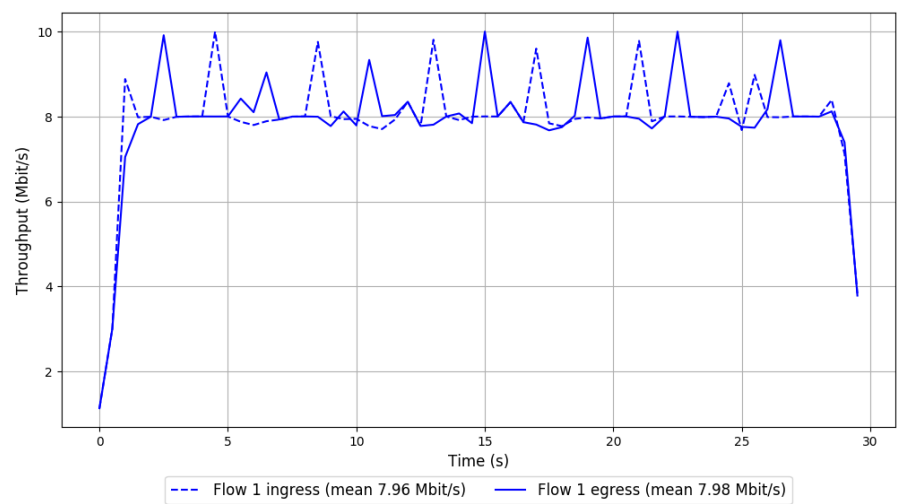
-- Flow 1:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 46.555 ms

Loss rate: 0.02%

Run 10: Report of Sprout — Data Link

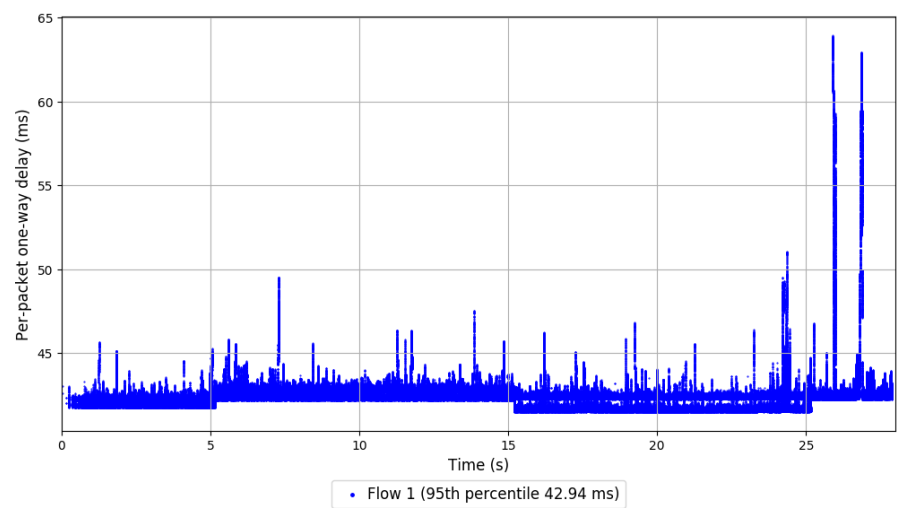
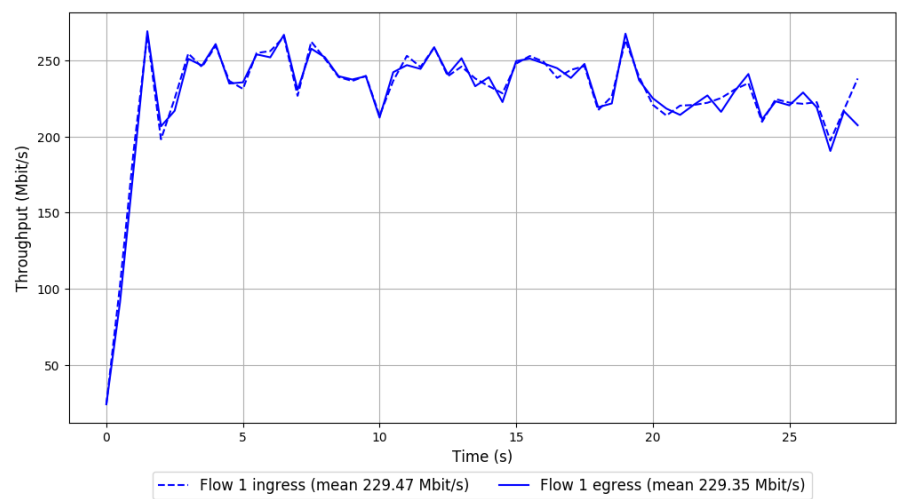


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-25 22:06:35
End at: 2018-01-25 22:07:05

# Below is generated by plot.py at 2018-01-26 02:22:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.35 Mbit/s
95th percentile per-packet one-way delay: 42.939 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 229.35 Mbit/s
95th percentile per-packet one-way delay: 42.939 ms
Loss rate: 0.42%
```


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

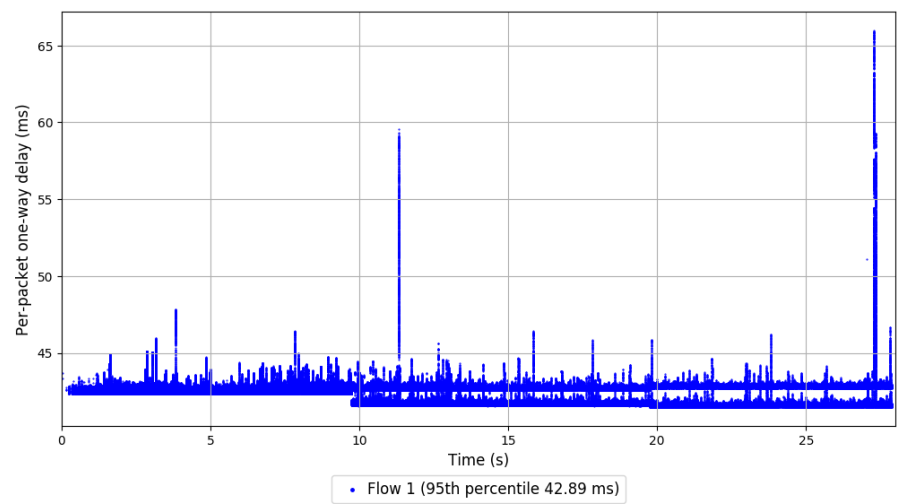
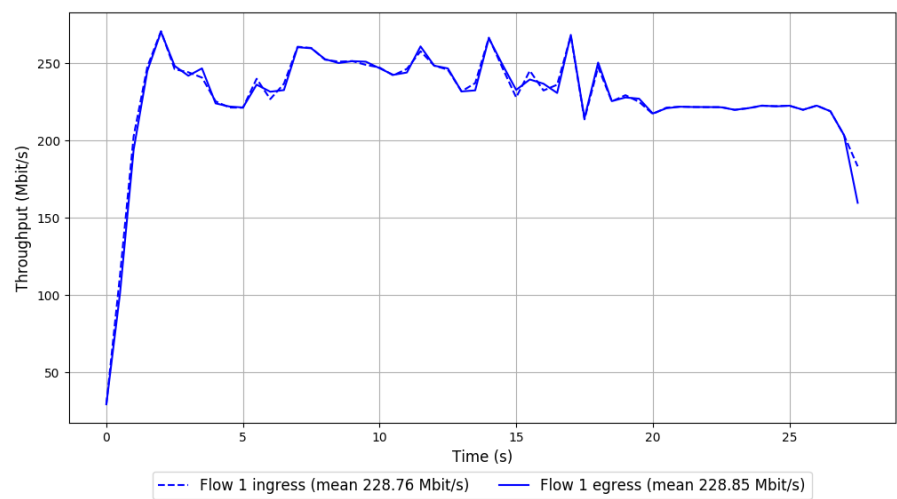


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-25 22:18:20
End at: 2018-01-25 22:18:50

# Below is generated by plot.py at 2018-01-26 02:22:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.85 Mbit/s
95th percentile per-packet one-way delay: 42.886 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 228.85 Mbit/s
95th percentile per-packet one-way delay: 42.886 ms
Loss rate: 0.33%
```

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

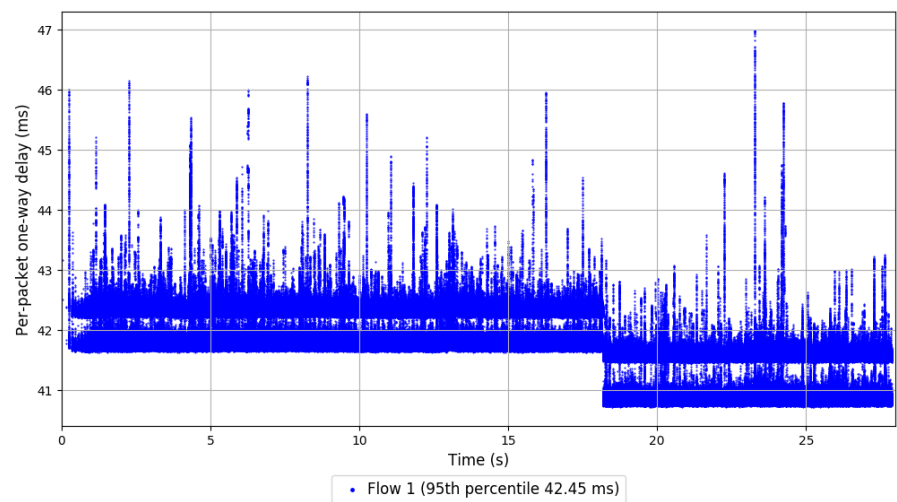
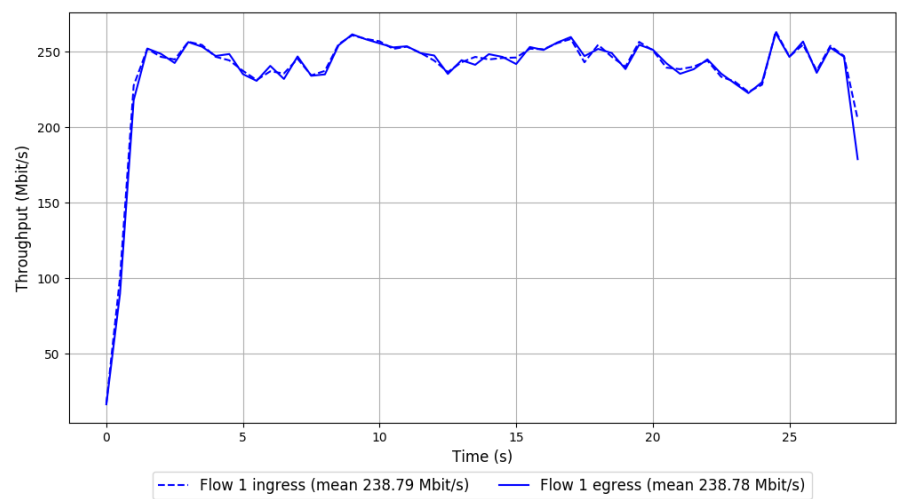


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-25 22:30:12
End at: 2018-01-25 22:30:42

# Below is generated by plot.py at 2018-01-26 02:22:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 238.78 Mbit/s
95th percentile per-packet one-way delay: 42.447 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 238.78 Mbit/s
95th percentile per-packet one-way delay: 42.447 ms
Loss rate: 0.37%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-25 22:41:59

End at: 2018-01-25 22:42:29

Below is generated by plot.py at 2018-01-26 02:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.20 Mbit/s

95th percentile per-packet one-way delay: 42.616 ms

Loss rate: 0.31%

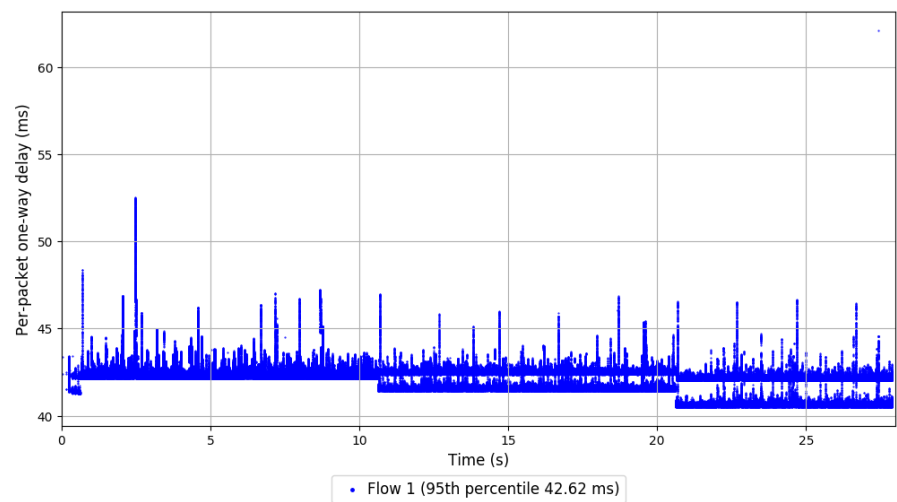
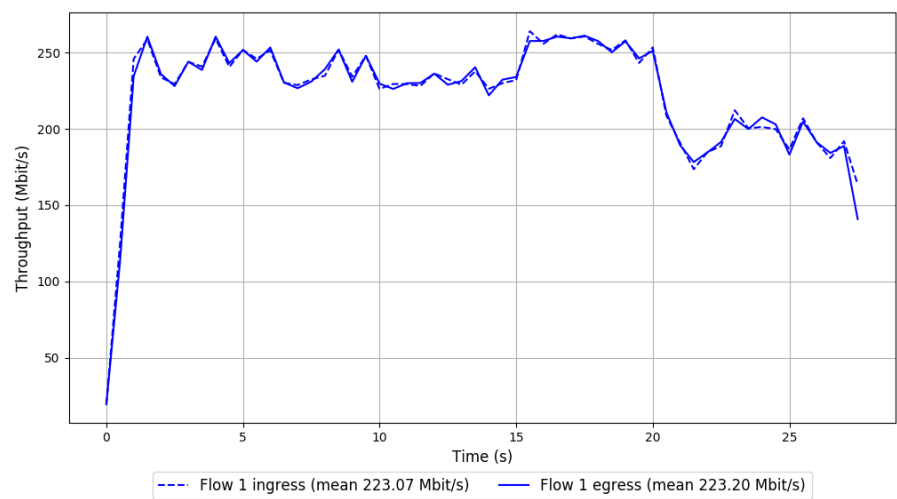
-- Flow 1:

Average throughput: 223.20 Mbit/s

95th percentile per-packet one-way delay: 42.616 ms

Loss rate: 0.31%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-25 22:53:43

End at: 2018-01-25 22:54:13

Below is generated by plot.py at 2018-01-26 02:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.73 Mbit/s

95th percentile per-packet one-way delay: 42.242 ms

Loss rate: 0.23%

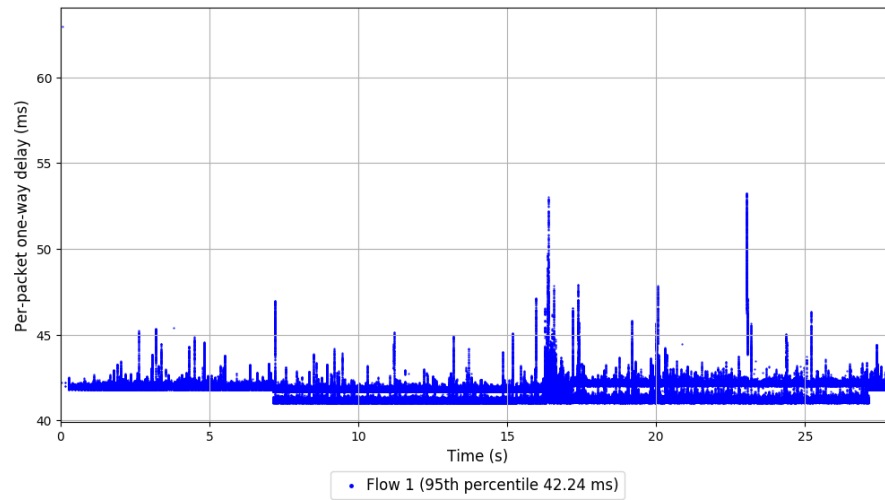
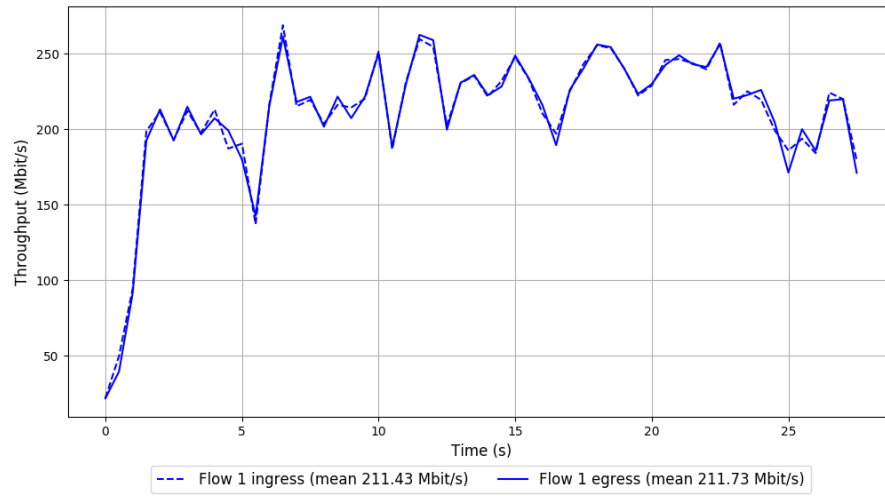
-- Flow 1:

Average throughput: 211.73 Mbit/s

95th percentile per-packet one-way delay: 42.242 ms

Loss rate: 0.23%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-25 23:05:21

End at: 2018-01-25 23:05:51

Below is generated by plot.py at 2018-01-26 02:23:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.08 Mbit/s

95th percentile per-packet one-way delay: 43.146 ms

Loss rate: 0.34%

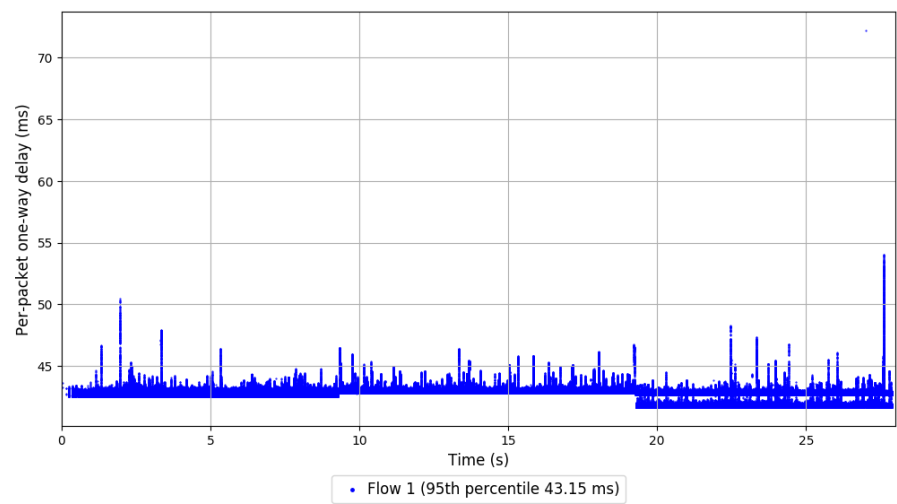
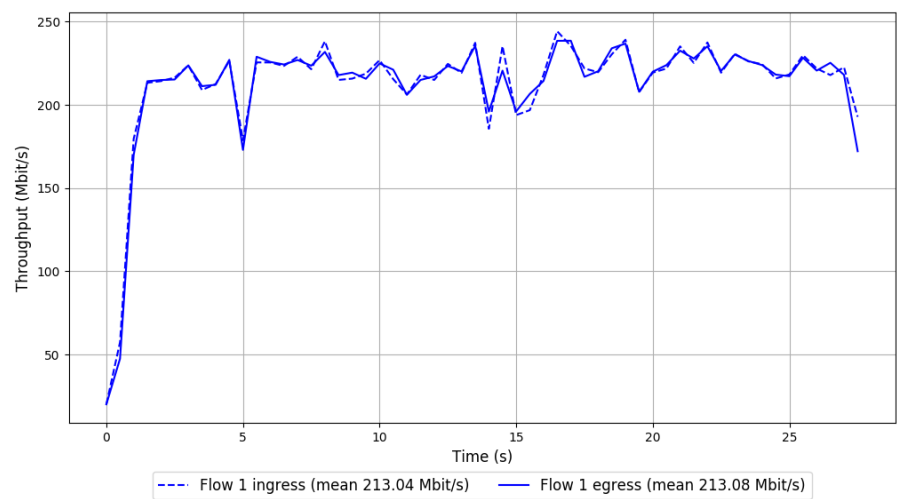
-- Flow 1:

Average throughput: 213.08 Mbit/s

95th percentile per-packet one-way delay: 43.146 ms

Loss rate: 0.34%

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

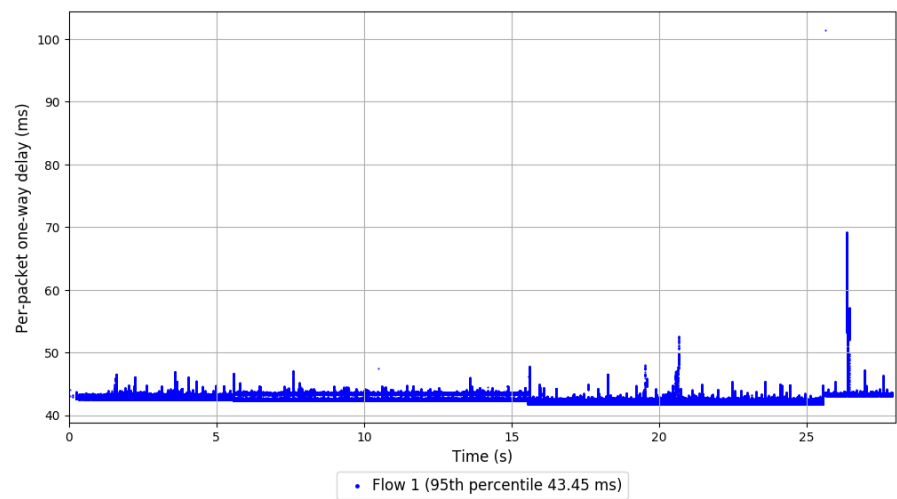
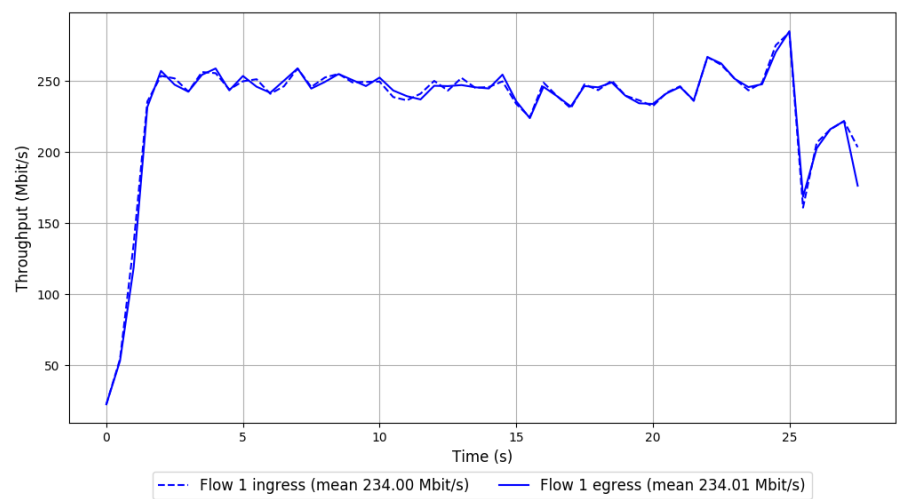


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-01-25 23:17:14
End at: 2018-01-25 23:17:44

# Below is generated by plot.py at 2018-01-26 02:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 234.01 Mbit/s
95th percentile per-packet one-way delay: 43.455 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 234.01 Mbit/s
95th percentile per-packet one-way delay: 43.455 ms
Loss rate: 0.36%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-25 23:29:03

End at: 2018-01-25 23:29:33

Below is generated by plot.py at 2018-01-26 02:28:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.86 Mbit/s

95th percentile per-packet one-way delay: 43.795 ms

Loss rate: 0.36%

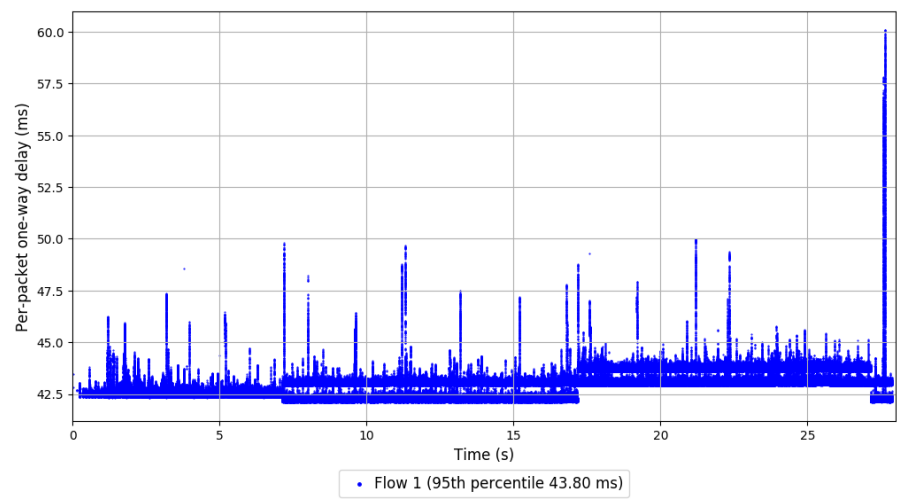
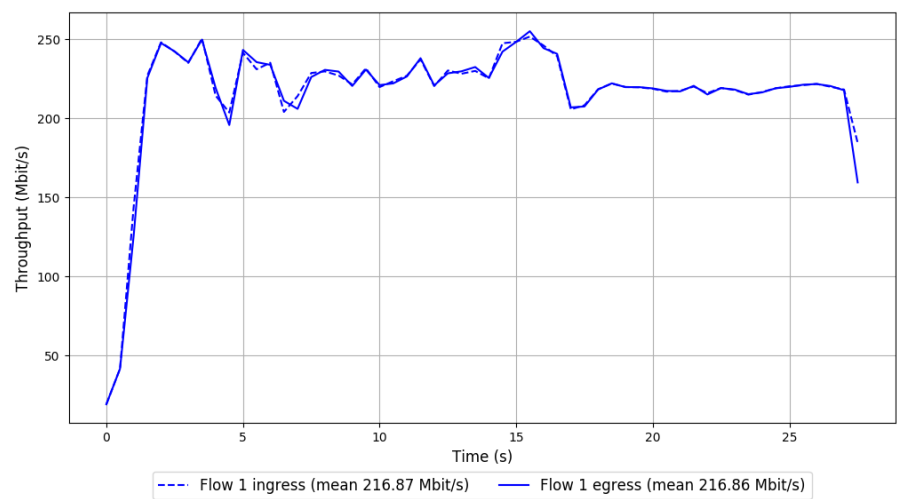
-- Flow 1:

Average throughput: 216.86 Mbit/s

95th percentile per-packet one-way delay: 43.795 ms

Loss rate: 0.36%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-25 23:40:53

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

Below is generated by plot.py at 2018-01-26 02:28:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.76 Mbit/s

95th percentile per-packet one-way delay: 44.804 ms

Loss rate: 0.45%

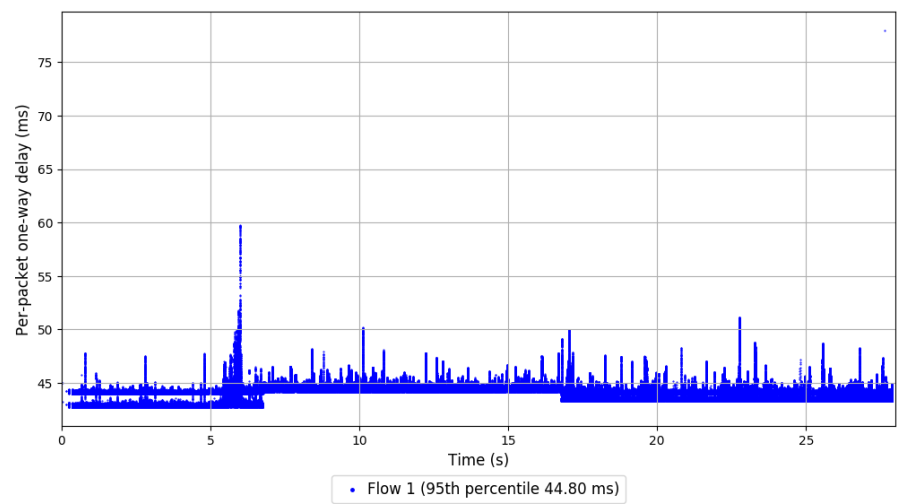
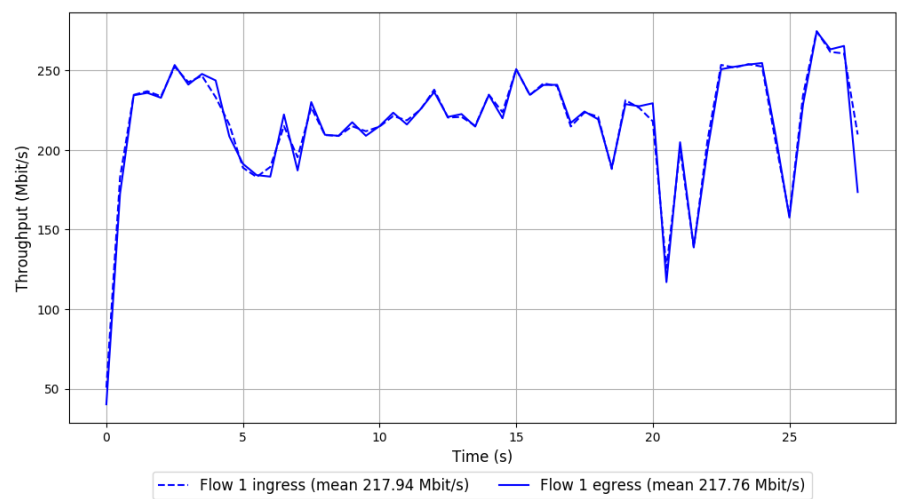
-- Flow 1:

Average throughput: 217.76 Mbit/s

95th percentile per-packet one-way delay: 44.804 ms

Loss rate: 0.45%

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

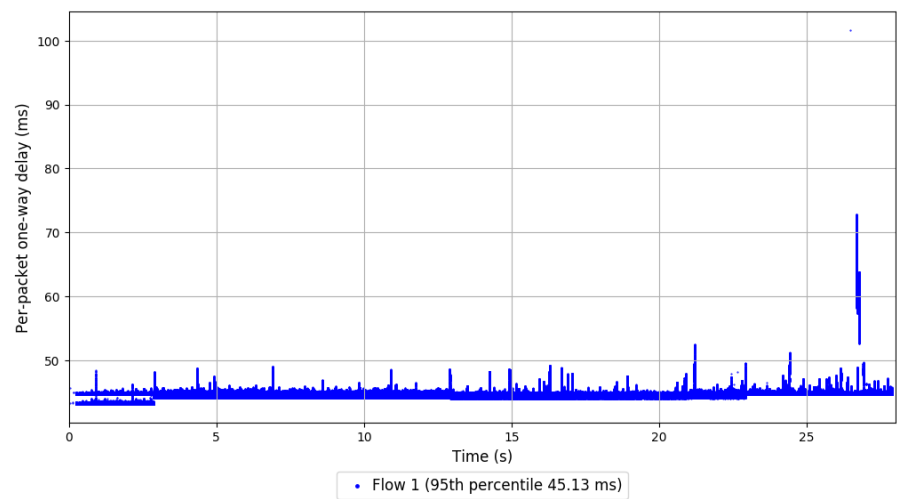
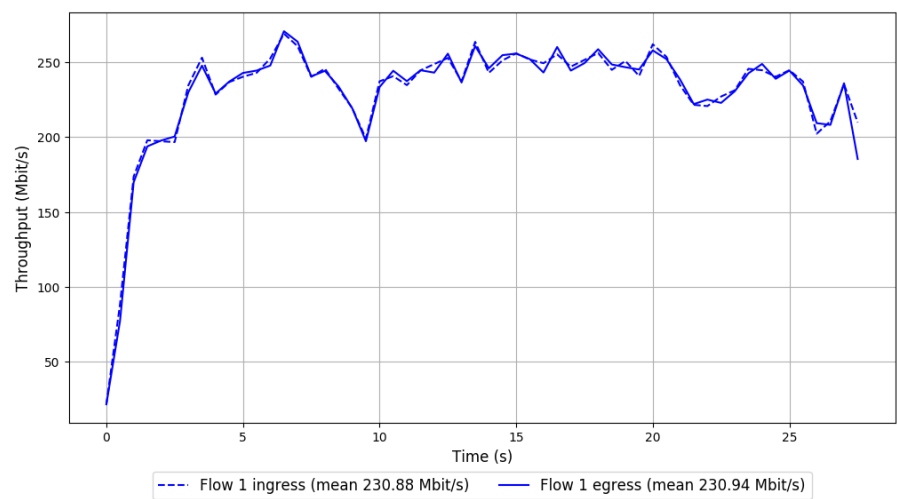


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-25 23:52:37
End at: 2018-01-25 23:53:07

# Below is generated by plot.py at 2018-01-26 02:29:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.94 Mbit/s
95th percentile per-packet one-way delay: 45.126 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 230.94 Mbit/s
95th percentile per-packet one-way delay: 45.126 ms
Loss rate: 0.33%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-25 22:05:57

End at: 2018-01-25 22:06:27

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 43.210 ms

Loss rate: 0.43%

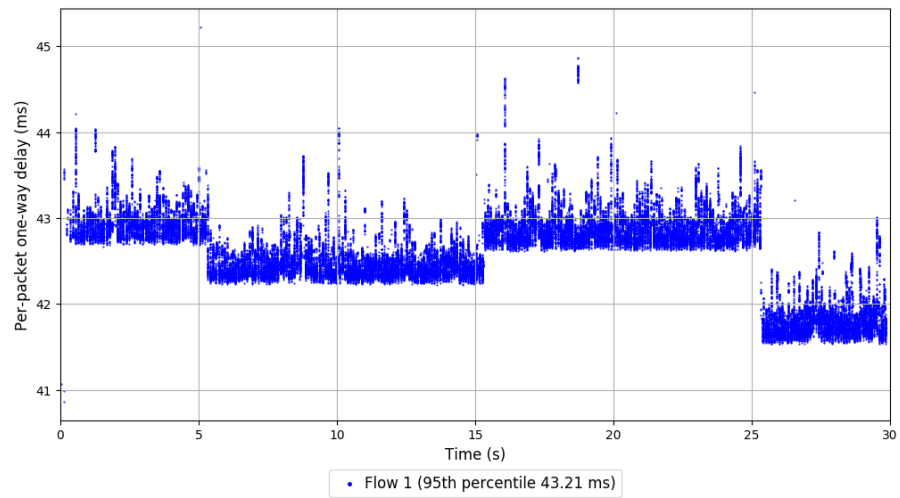
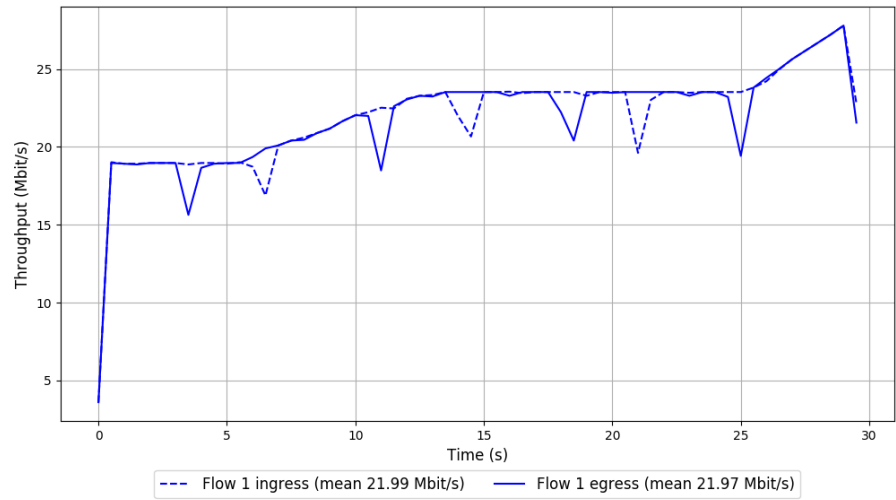
-- Flow 1:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 43.210 ms

Loss rate: 0.43%

Run 1: Report of TCP Vegas — Data Link

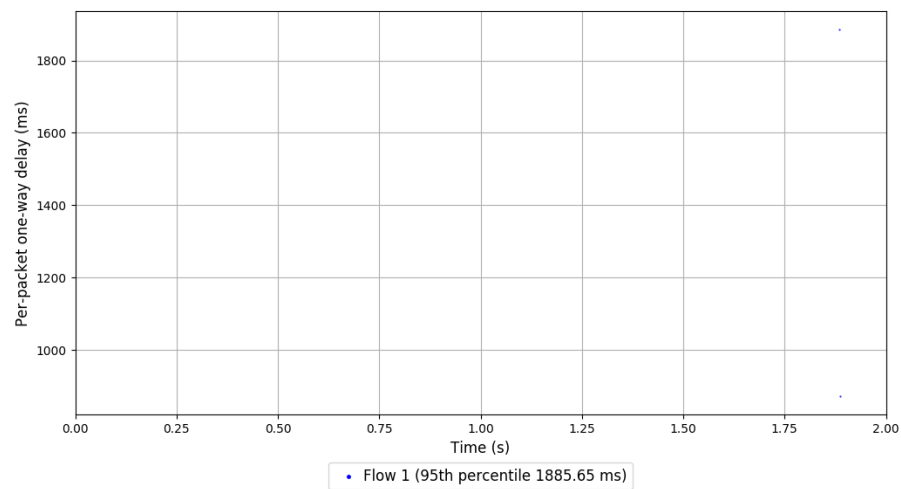
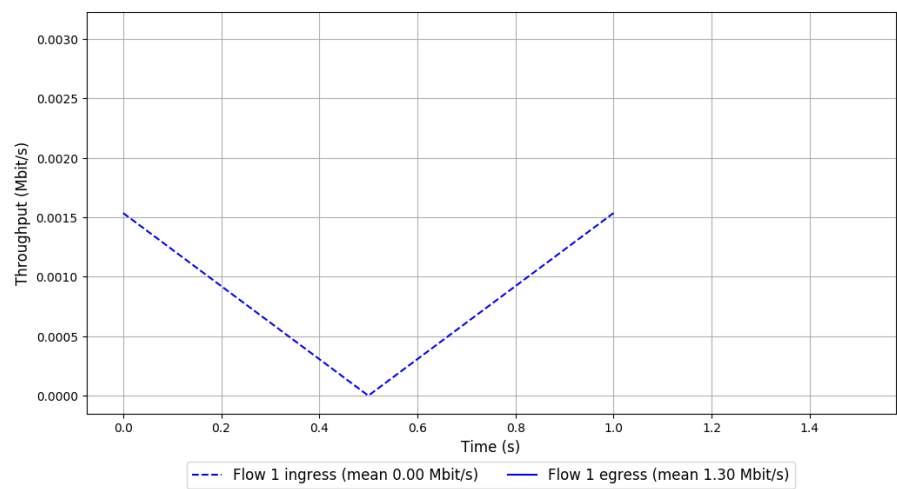


Run 2: Statistics of TCP Vegas

Start at: 2018-01-25 22:17:44

End at: 2018-01-25 22:18:14

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-25 22:29:31

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

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.72 Mbit/s

95th percentile per-packet one-way delay: 43.080 ms

Loss rate: 0.41%

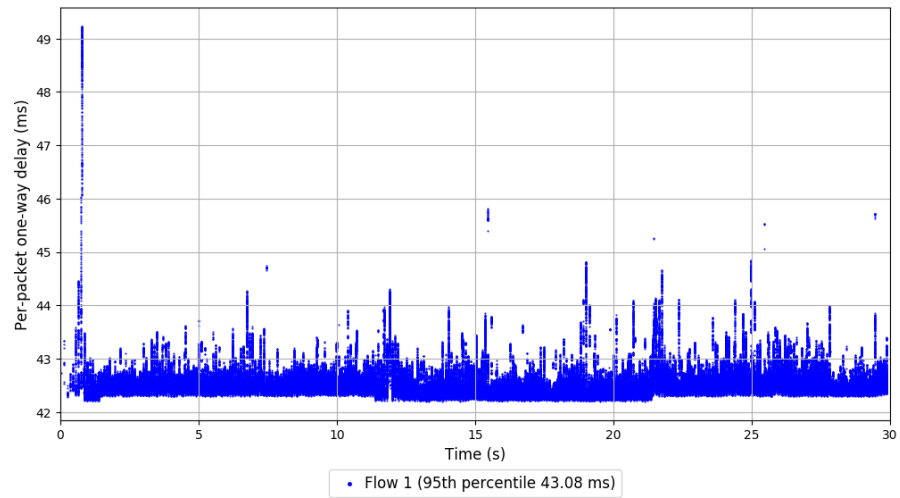
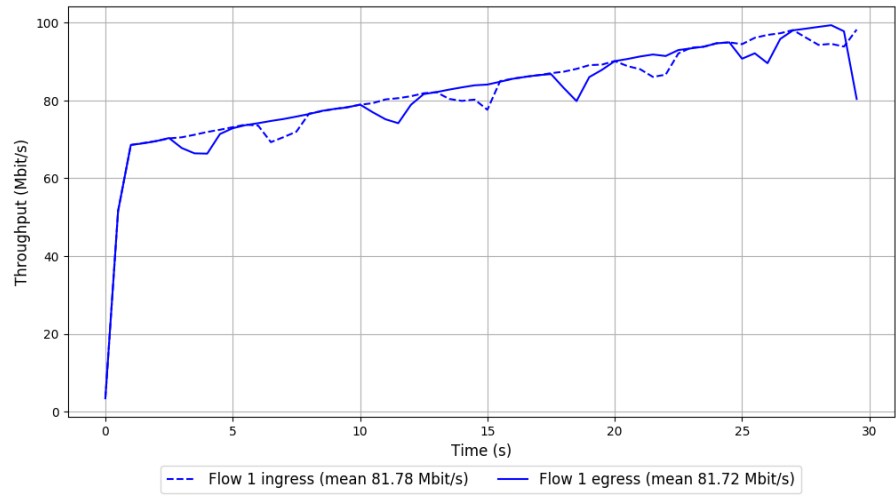
-- Flow 1:

Average throughput: 81.72 Mbit/s

95th percentile per-packet one-way delay: 43.080 ms

Loss rate: 0.41%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-25 22:41:19

End at: 2018-01-25 22:41:49

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.07 Mbit/s

95th percentile per-packet one-way delay: 42.786 ms

Loss rate: 0.31%

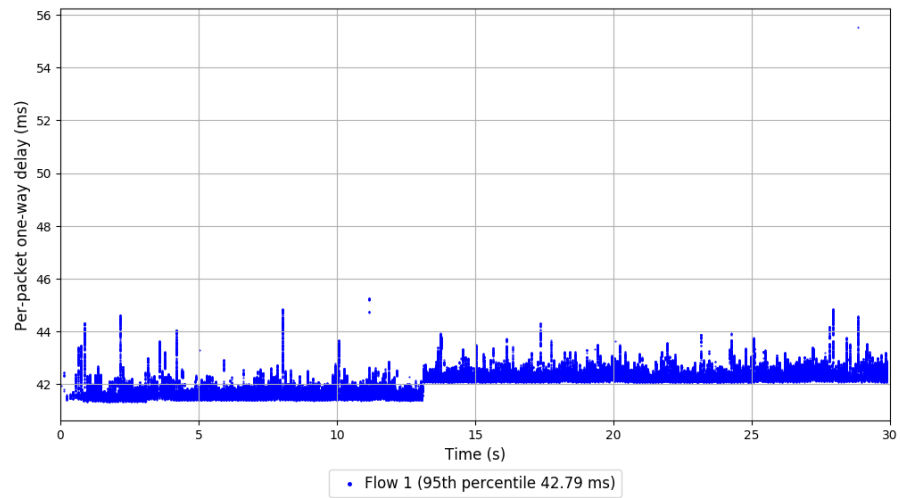
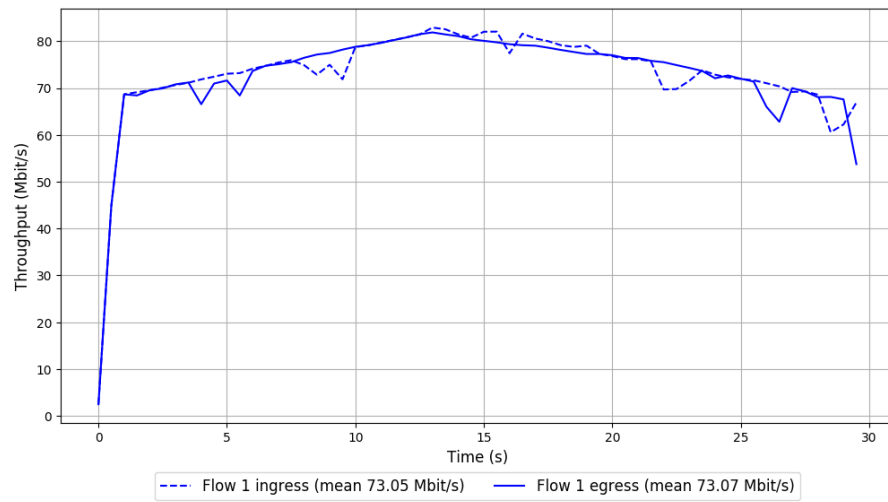
-- Flow 1:

Average throughput: 73.07 Mbit/s

95th percentile per-packet one-way delay: 42.786 ms

Loss rate: 0.31%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-25 22:53:03

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

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.36 Mbit/s

95th percentile per-packet one-way delay: 41.882 ms

Loss rate: 0.40%

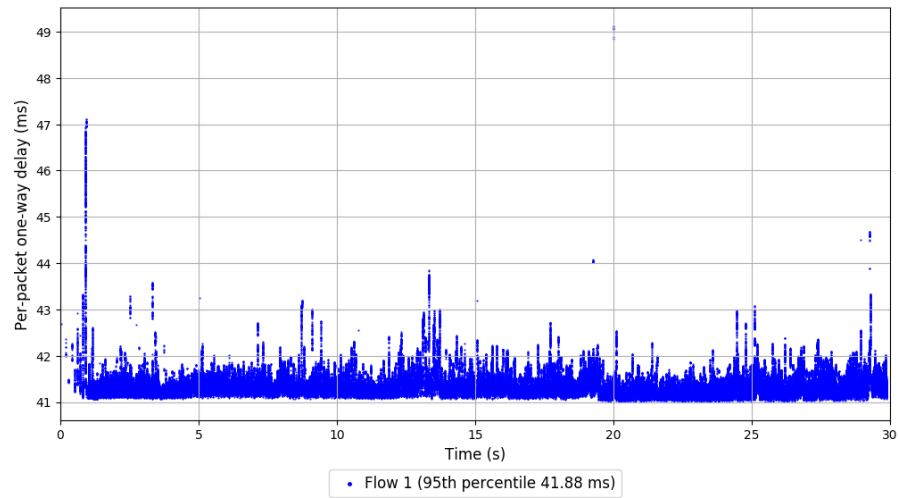
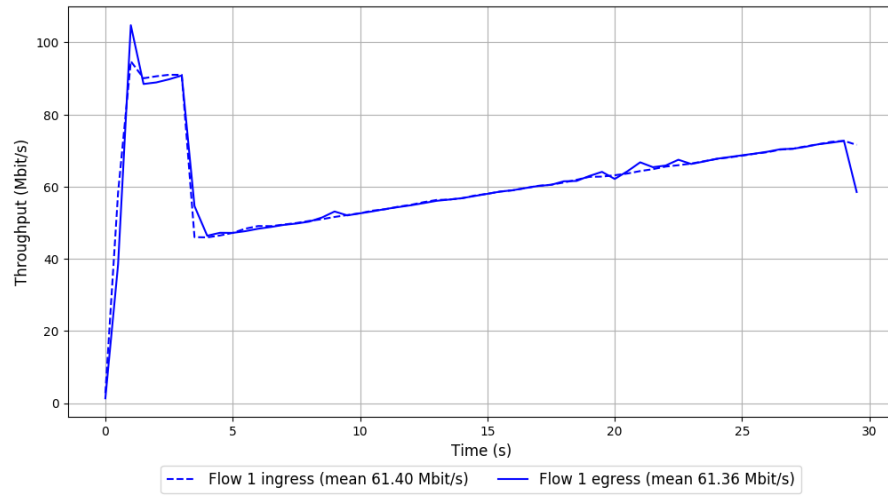
-- Flow 1:

Average throughput: 61.36 Mbit/s

95th percentile per-packet one-way delay: 41.882 ms

Loss rate: 0.40%

Run 5: Report of TCP Vegas — Data Link

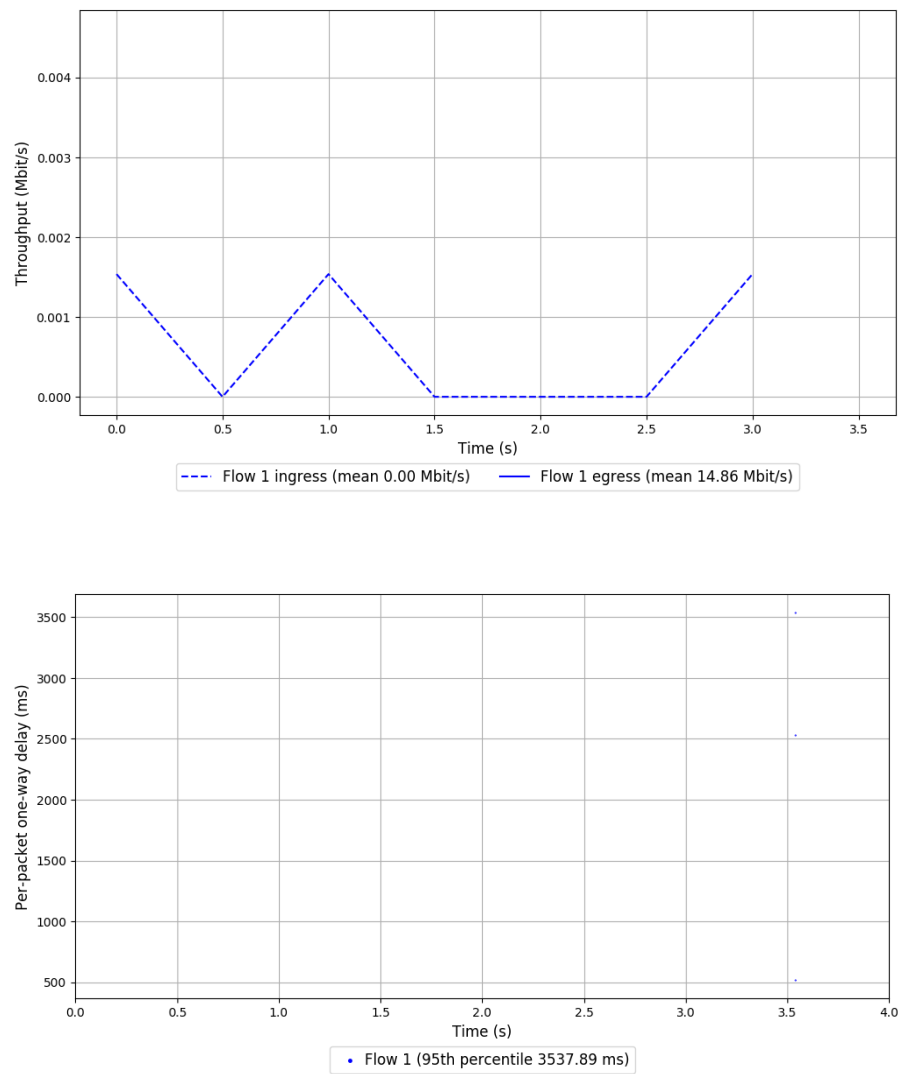


Run 6: Statistics of TCP Vegas

Start at: 2018-01-25 23:04:44

End at: 2018-01-25 23:05:14

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-25 23:16:31

End at: 2018-01-25 23:17:01

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.57 Mbit/s

95th percentile per-packet one-way delay: 43.524 ms

Loss rate: 0.35%

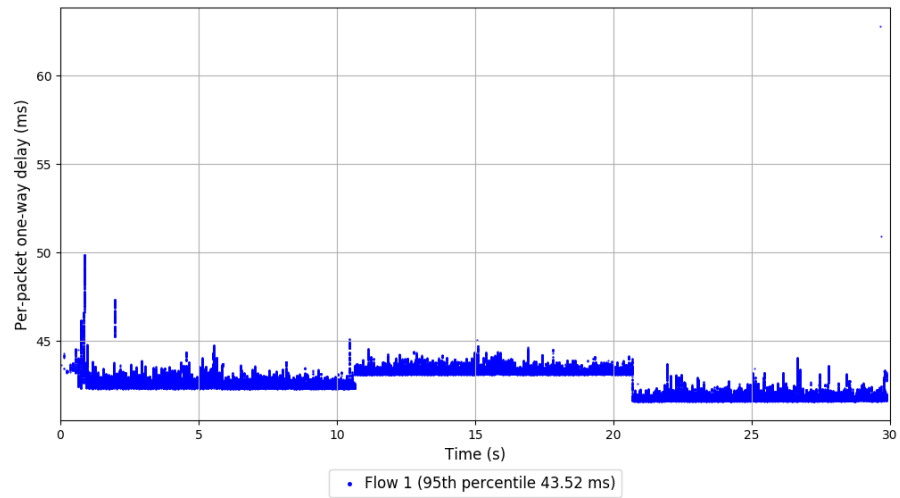
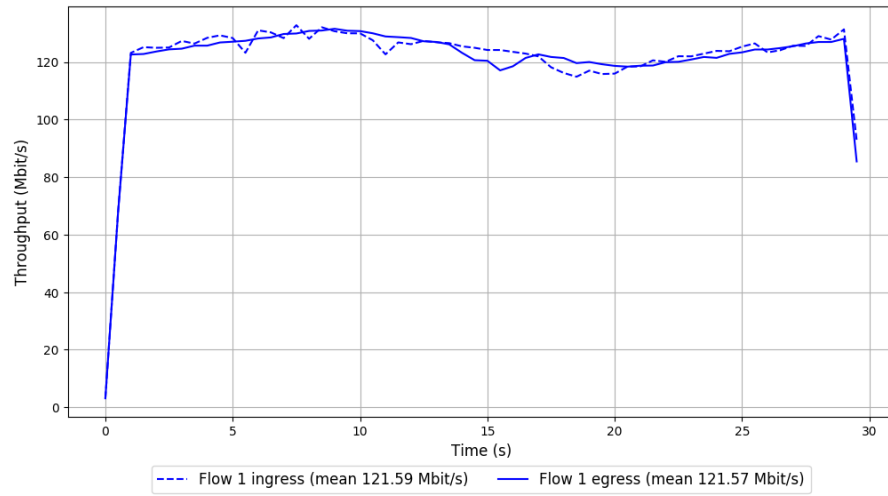
-- Flow 1:

Average throughput: 121.57 Mbit/s

95th percentile per-packet one-way delay: 43.524 ms

Loss rate: 0.35%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

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

End at: 2018-01-25 23:28:54

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.44 Mbit/s

95th percentile per-packet one-way delay: 44.023 ms

Loss rate: 0.26%

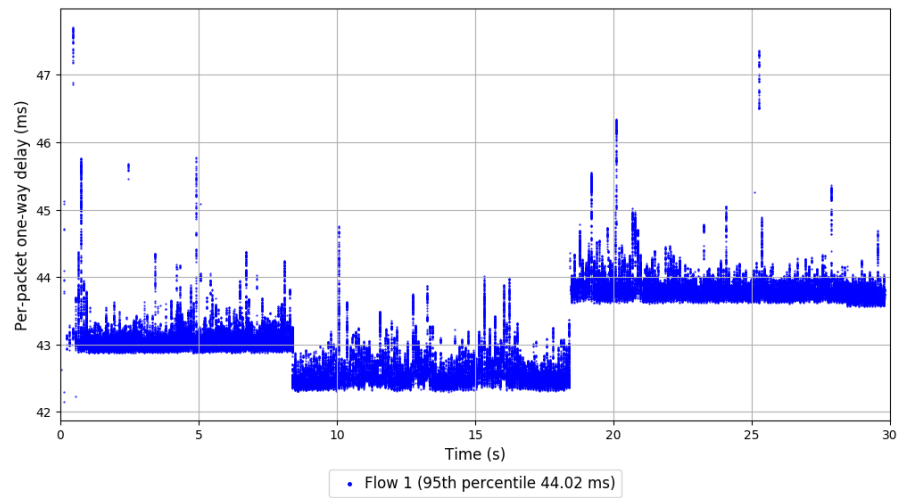
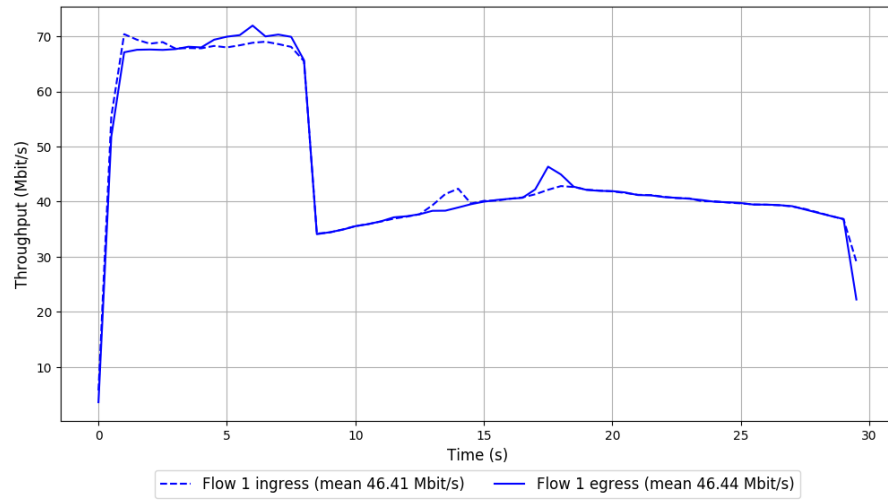
-- Flow 1:

Average throughput: 46.44 Mbit/s

95th percentile per-packet one-way delay: 44.023 ms

Loss rate: 0.26%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-25 23:40:13

End at: 2018-01-25 23:40:43

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.59 Mbit/s

95th percentile per-packet one-way delay: 44.624 ms

Loss rate: 0.42%

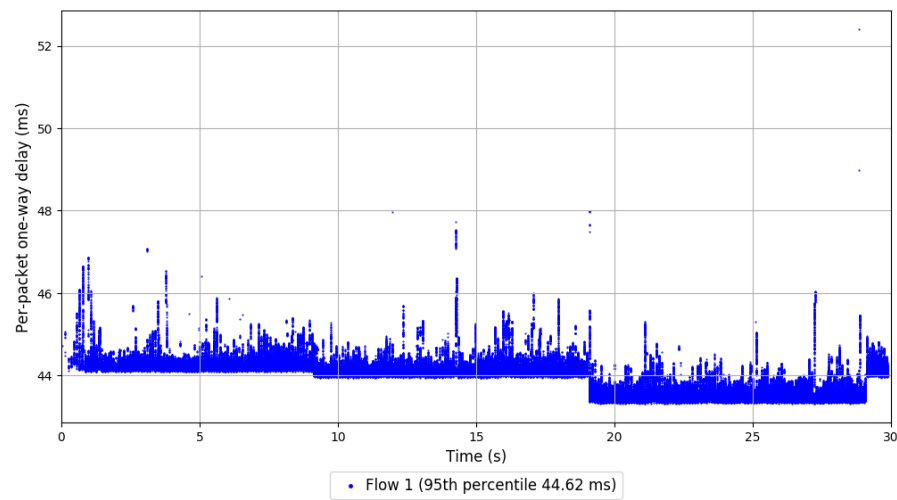
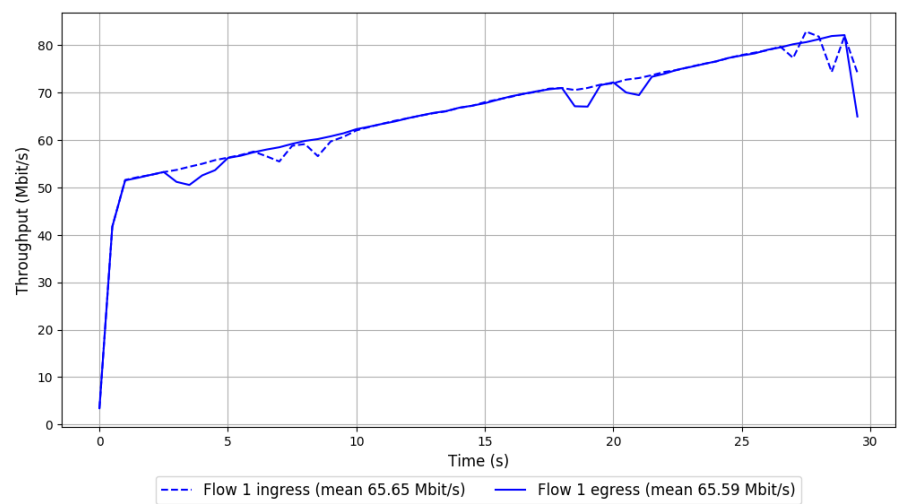
-- Flow 1:

Average throughput: 65.59 Mbit/s

95th percentile per-packet one-way delay: 44.624 ms

Loss rate: 0.42%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-25 23:51:59

End at: 2018-01-25 23:52:29

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 45.573 ms

Loss rate: 0.41%

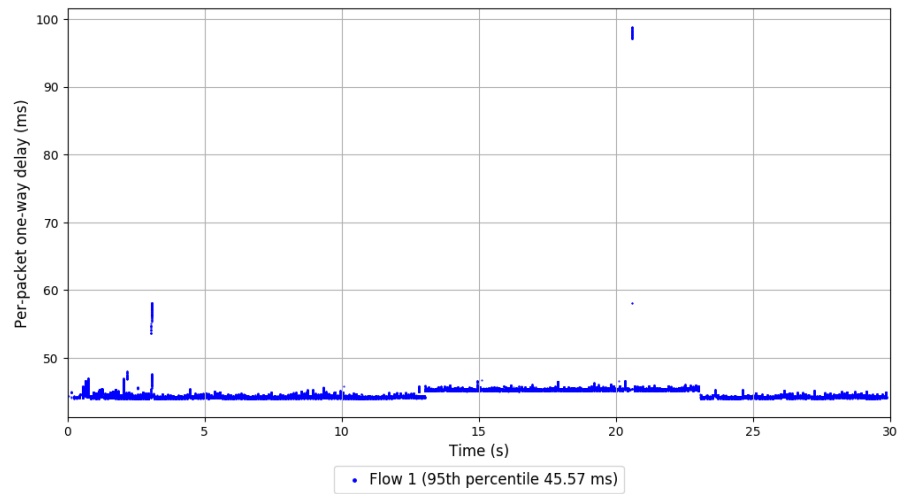
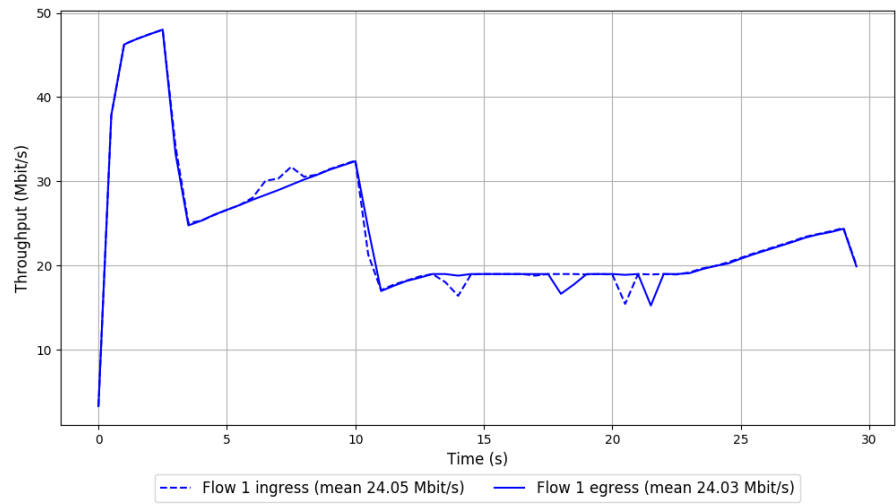
-- Flow 1:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 45.573 ms

Loss rate: 0.41%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-25 22:05:06

End at: 2018-01-25 22:05:36

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.16 Mbit/s

95th percentile per-packet one-way delay: 83.304 ms

Loss rate: 0.00%

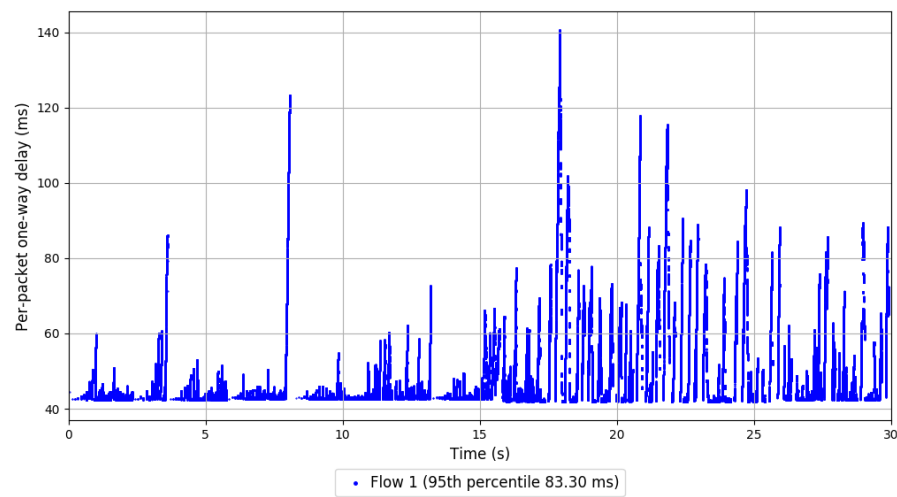
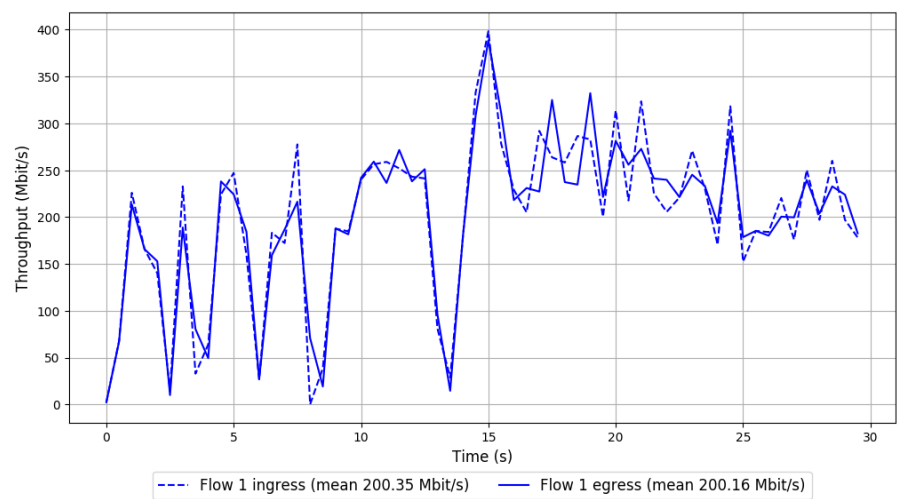
-- Flow 1:

Average throughput: 200.16 Mbit/s

95th percentile per-packet one-way delay: 83.304 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-25 22:16:53

End at: 2018-01-25 22:17:23

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.95 Mbit/s

95th percentile per-packet one-way delay: 67.737 ms

Loss rate: 0.31%

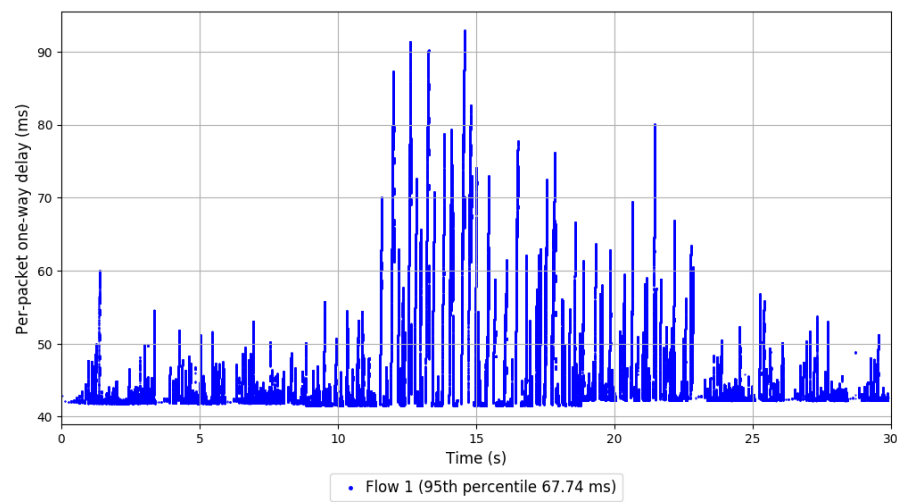
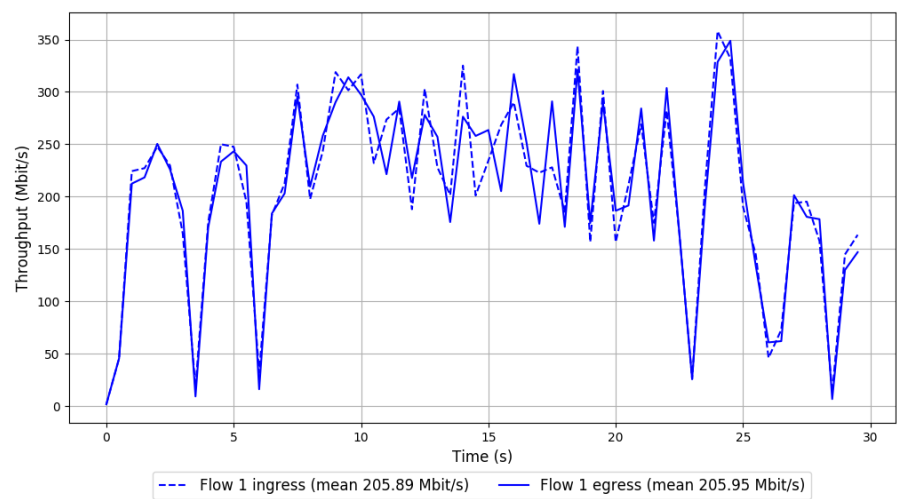
-- Flow 1:

Average throughput: 205.95 Mbit/s

95th percentile per-packet one-way delay: 67.737 ms

Loss rate: 0.31%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-25 22:28:42

End at: 2018-01-25 22:29:12

Below is generated by plot.py at 2018-01-26 02:29:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.20 Mbit/s

95th percentile per-packet one-way delay: 51.292 ms

Loss rate: 0.18%

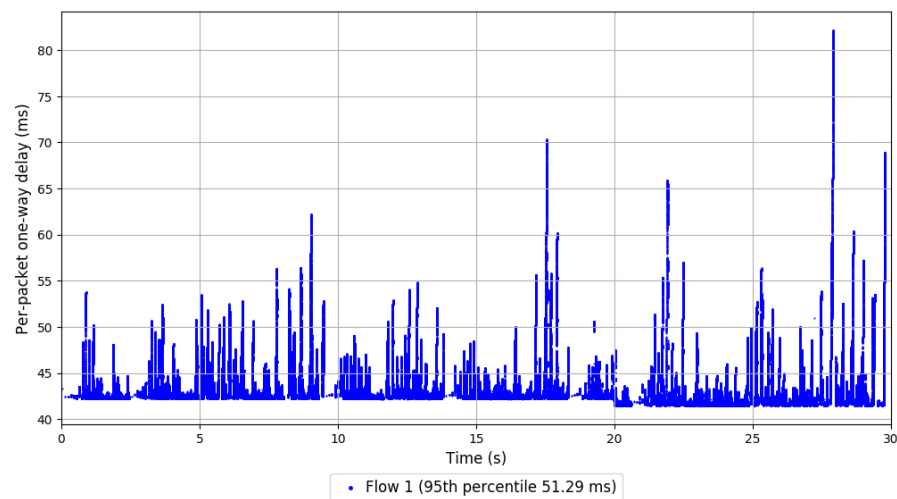
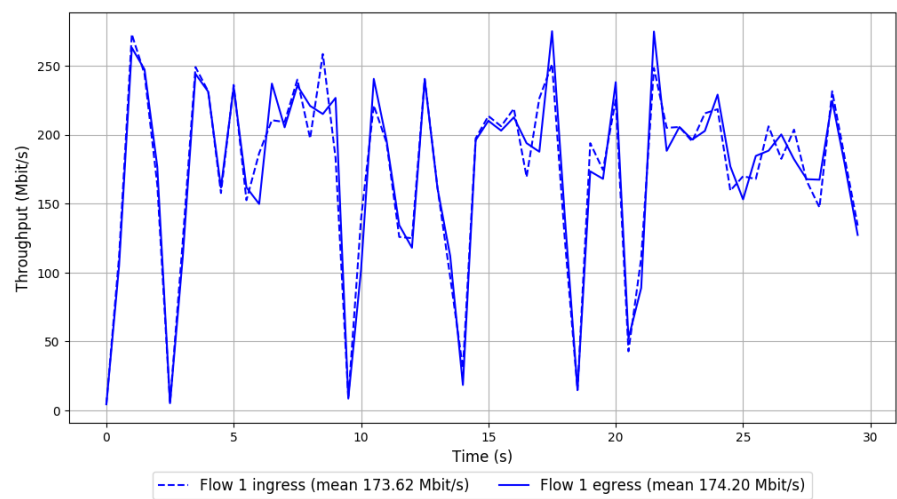
-- Flow 1:

Average throughput: 174.20 Mbit/s

95th percentile per-packet one-way delay: 51.292 ms

Loss rate: 0.18%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-25 22:40:26

End at: 2018-01-25 22:40:56

Below is generated by plot.py at 2018-01-26 02:29:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.26 Mbit/s

95th percentile per-packet one-way delay: 143.956 ms

Loss rate: 0.34%

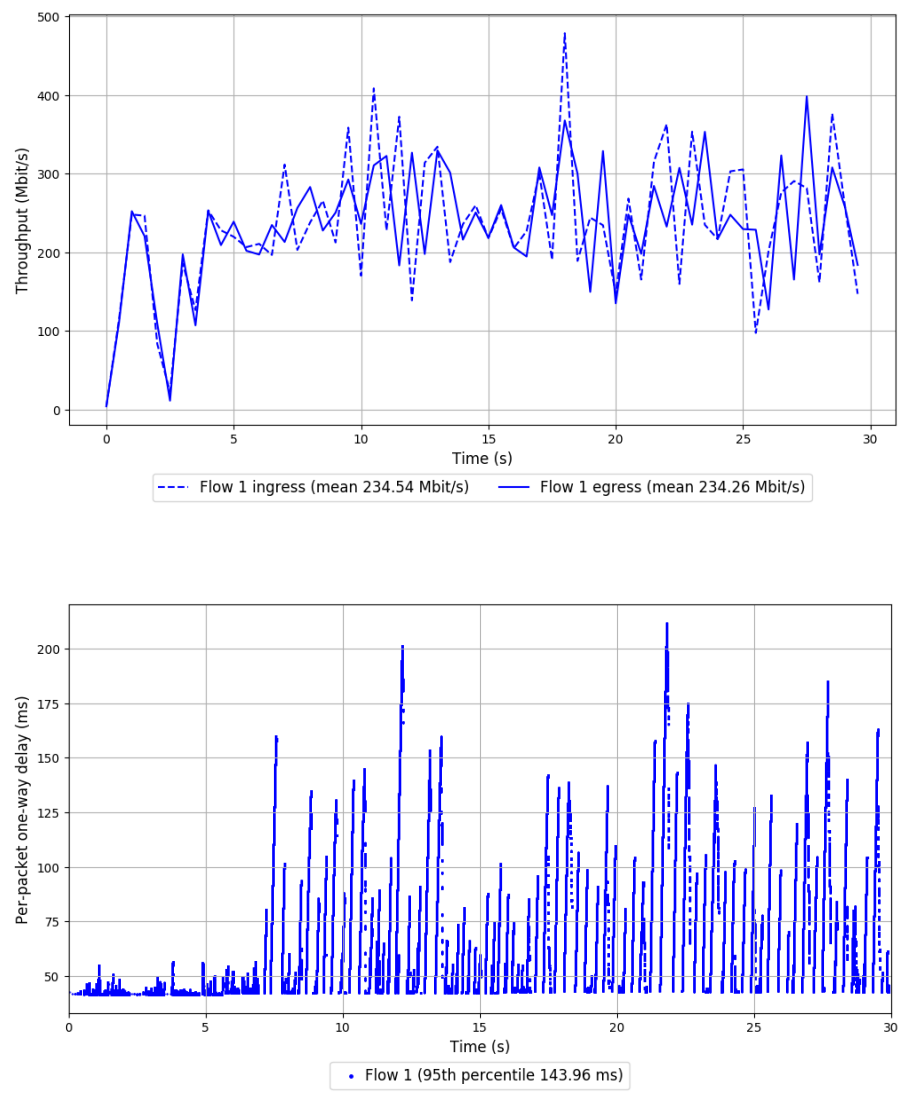
-- Flow 1:

Average throughput: 234.26 Mbit/s

95th percentile per-packet one-way delay: 143.956 ms

Loss rate: 0.34%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-25 22:52:16

End at: 2018-01-25 22:52:46

Below is generated by plot.py at 2018-01-26 02:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.84 Mbit/s

95th percentile per-packet one-way delay: 47.470 ms

Loss rate: 0.47%

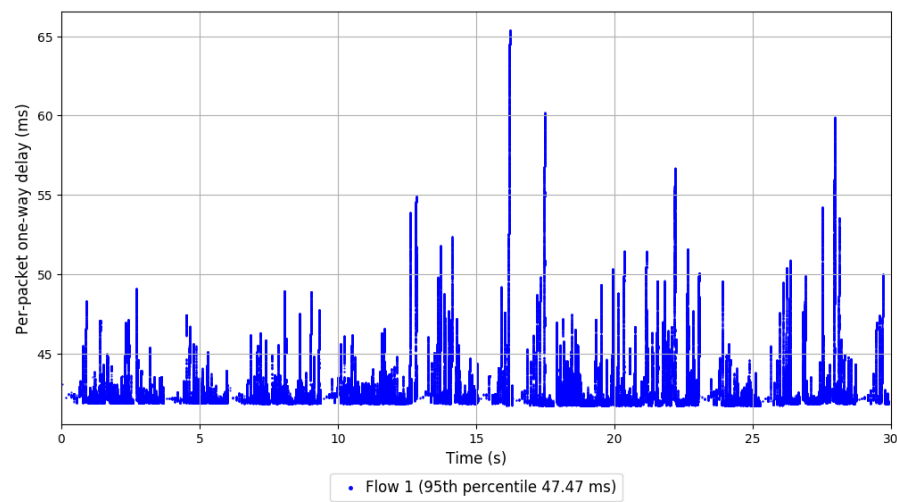
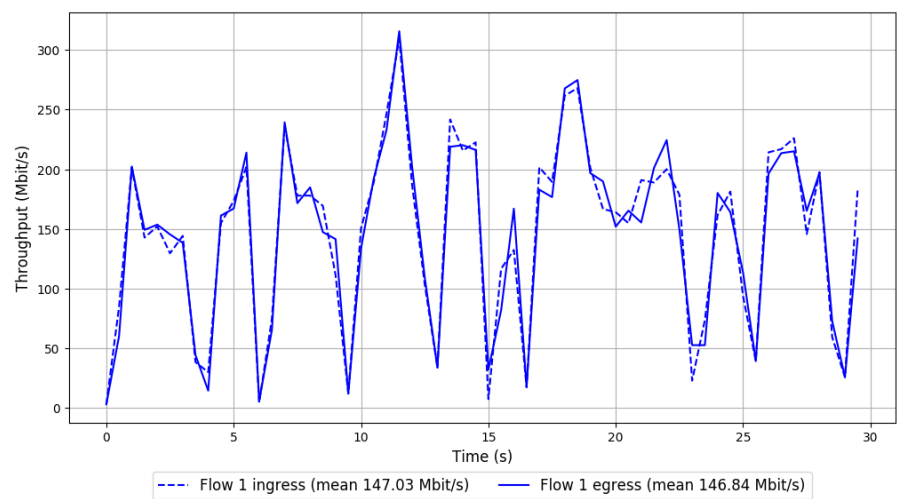
-- Flow 1:

Average throughput: 146.84 Mbit/s

95th percentile per-packet one-way delay: 47.470 ms

Loss rate: 0.47%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-25 23:03:55

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

Below is generated by plot.py at 2018-01-26 02:31:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.51 Mbit/s

95th percentile per-packet one-way delay: 55.838 ms

Loss rate: 0.31%

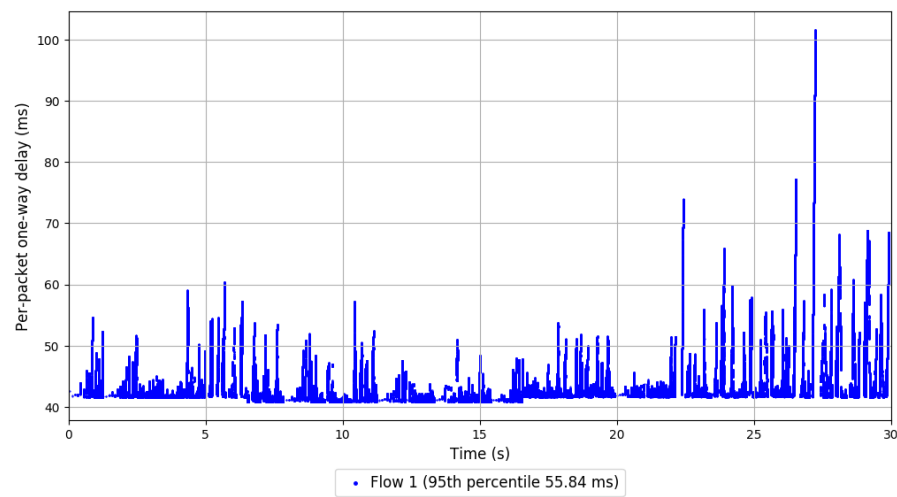
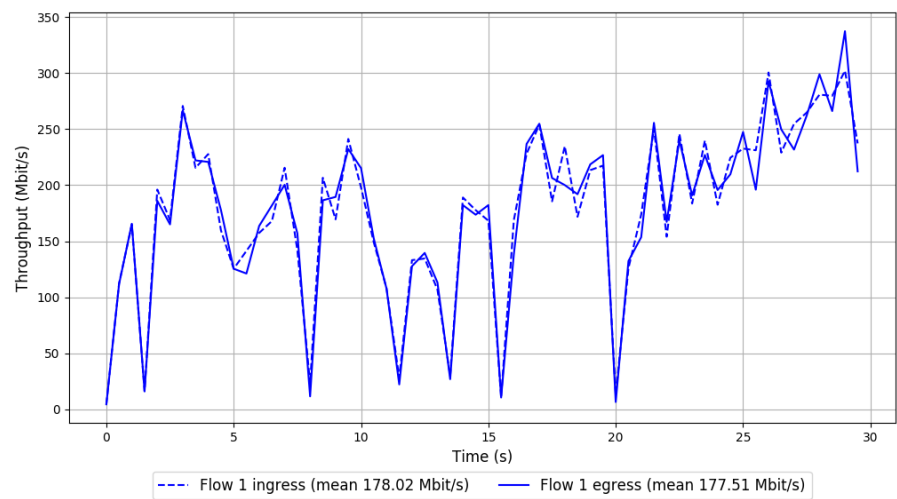
-- Flow 1:

Average throughput: 177.51 Mbit/s

95th percentile per-packet one-way delay: 55.838 ms

Loss rate: 0.31%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-25 23:15:40

End at: 2018-01-25 23:16:10

Below is generated by plot.py at 2018-01-26 02:32:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.32 Mbit/s

95th percentile per-packet one-way delay: 94.545 ms

Loss rate: 0.22%

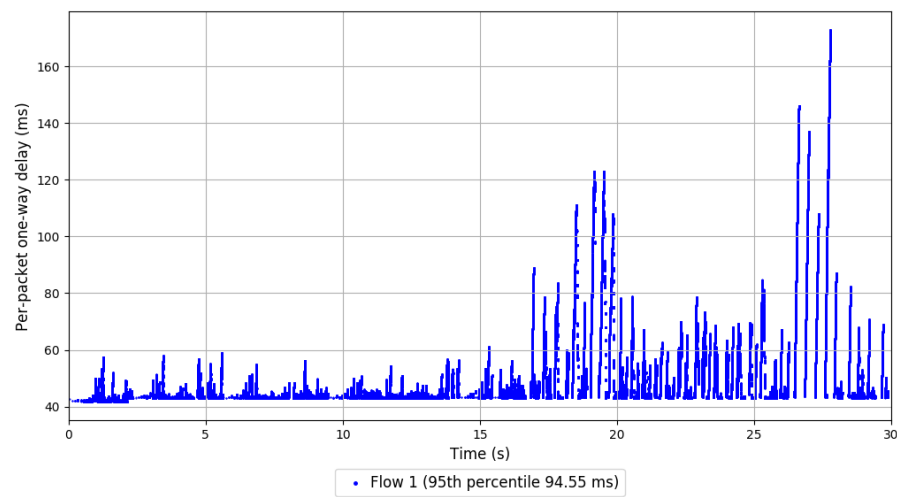
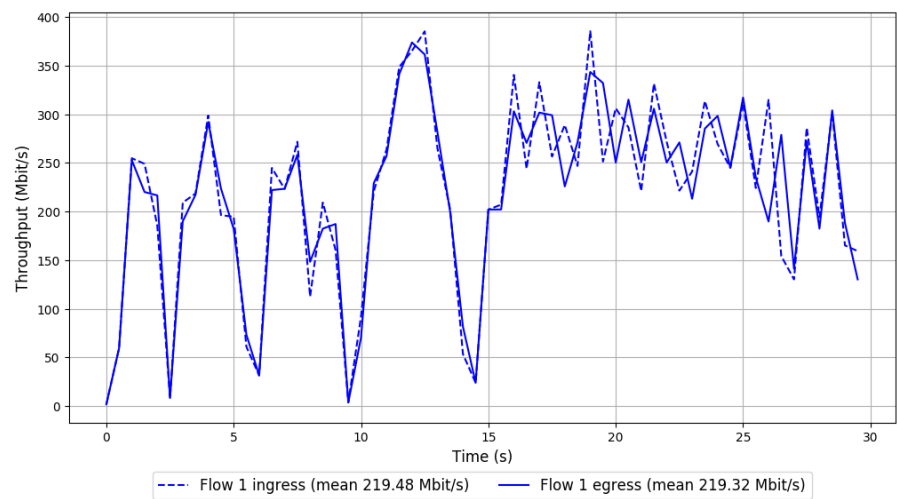
-- Flow 1:

Average throughput: 219.32 Mbit/s

95th percentile per-packet one-way delay: 94.545 ms

Loss rate: 0.22%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-25 23:27:32

End at: 2018-01-25 23:28:02

Below is generated by plot.py at 2018-01-26 02:32:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.51 Mbit/s

95th percentile per-packet one-way delay: 64.893 ms

Loss rate: 0.56%

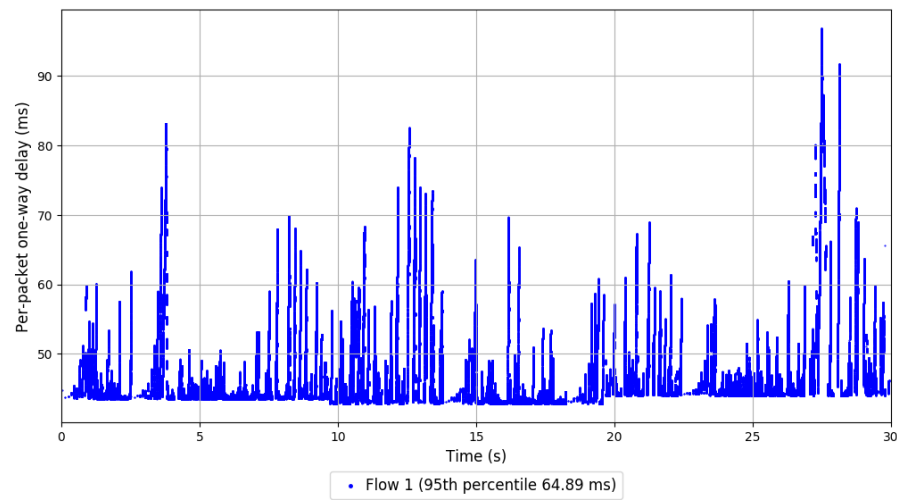
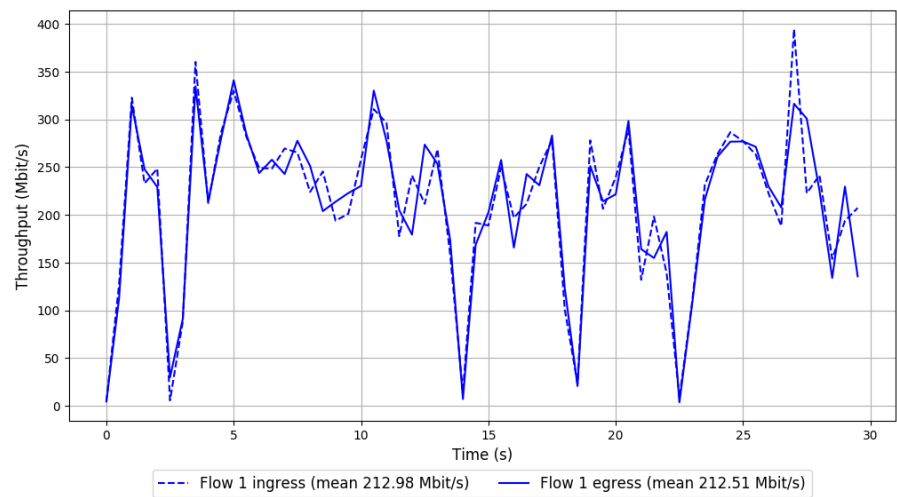
-- Flow 1:

Average throughput: 212.51 Mbit/s

95th percentile per-packet one-way delay: 64.893 ms

Loss rate: 0.56%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-25 23:39:24

End at: 2018-01-25 23:39:54

Below is generated by plot.py at 2018-01-26 02:32:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.82 Mbit/s

95th percentile per-packet one-way delay: 53.913 ms

Loss rate: 0.45%

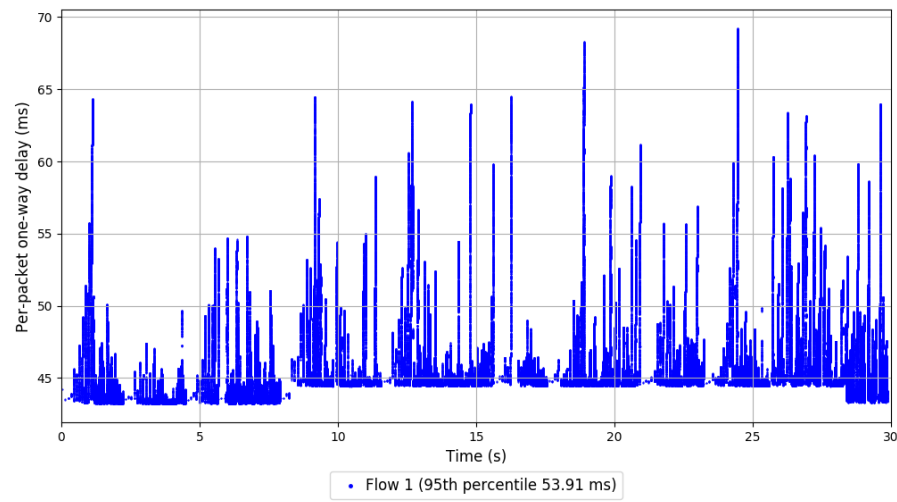
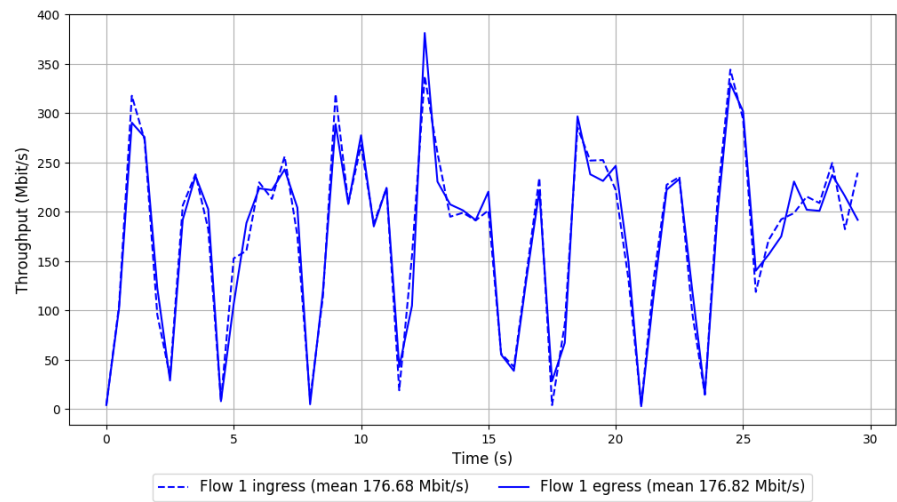
-- Flow 1:

Average throughput: 176.82 Mbit/s

95th percentile per-packet one-way delay: 53.913 ms

Loss rate: 0.45%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-25 23:51:08

End at: 2018-01-25 23:51:38

Below is generated by plot.py at 2018-01-26 02:32:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.15 Mbit/s

95th percentile per-packet one-way delay: 65.110 ms

Loss rate: 0.49%

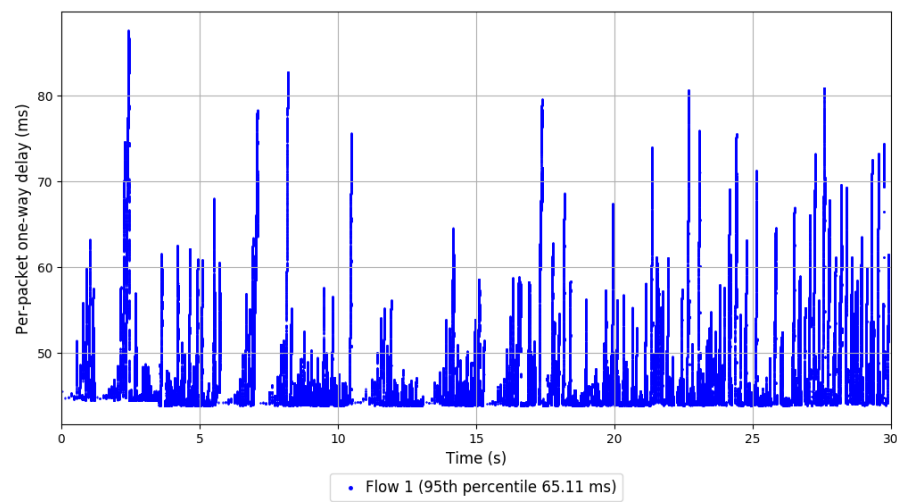
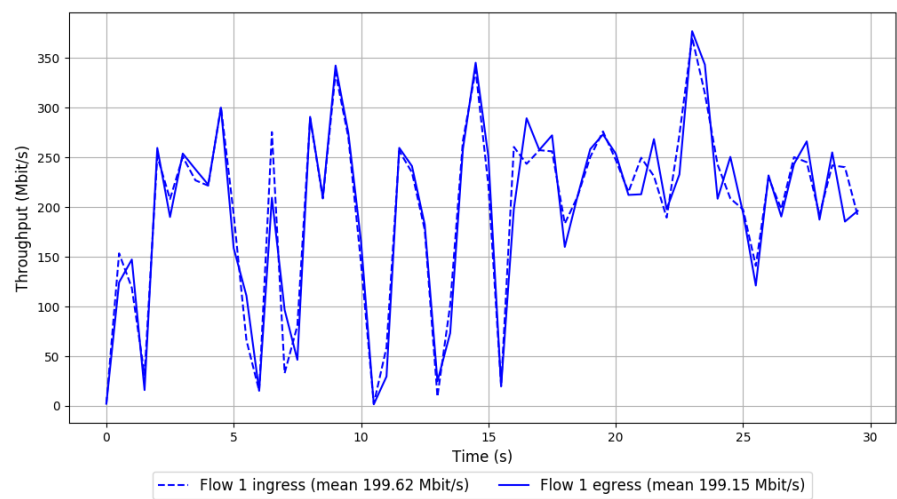
-- Flow 1:

Average throughput: 199.15 Mbit/s

95th percentile per-packet one-way delay: 65.110 ms

Loss rate: 0.49%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-25 21:59:33

End at: 2018-01-25 22:00:03

Below is generated by plot.py at 2018-01-26 02:32:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 42.398 ms

Loss rate: 0.65%

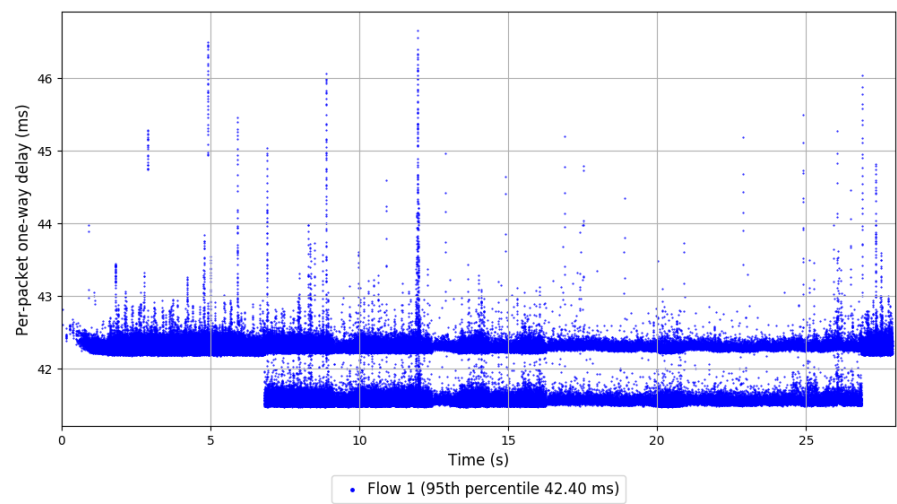
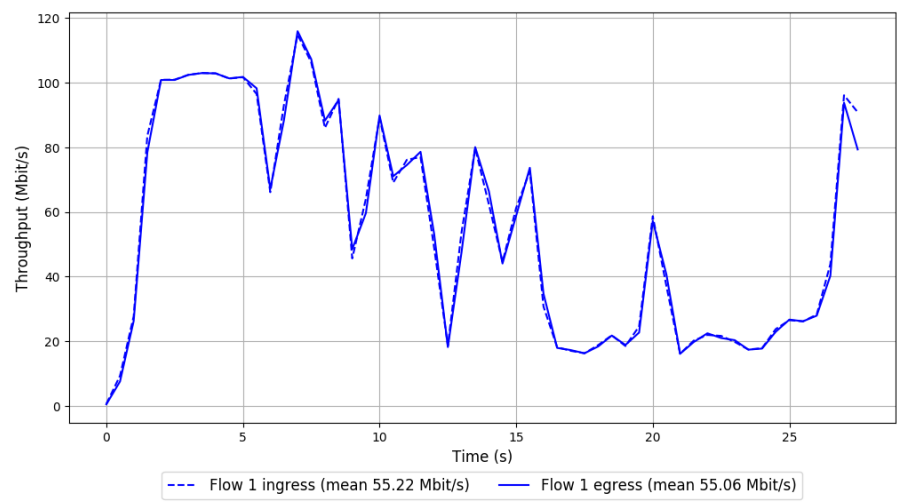
-- Flow 1:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 42.398 ms

Loss rate: 0.65%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

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

End at: 2018-01-25 22:11:51

Below is generated by plot.py at 2018-01-26 02:32:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 42.794 ms

Loss rate: 0.30%

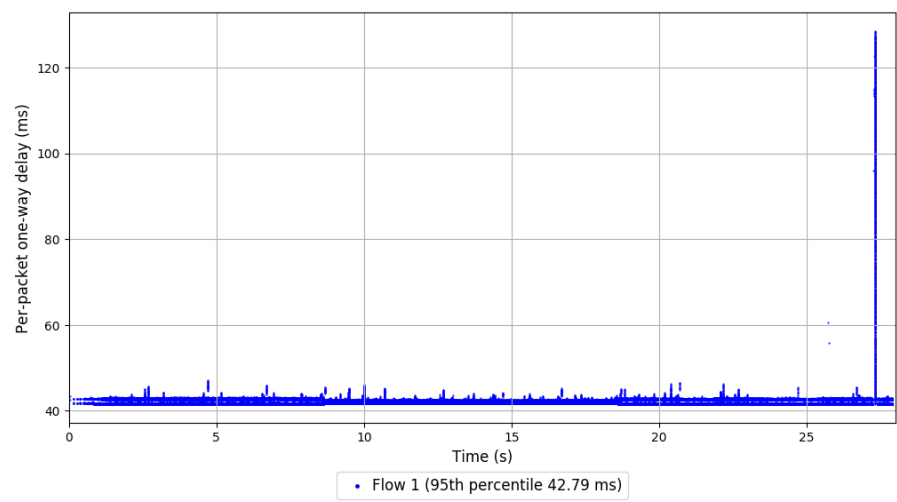
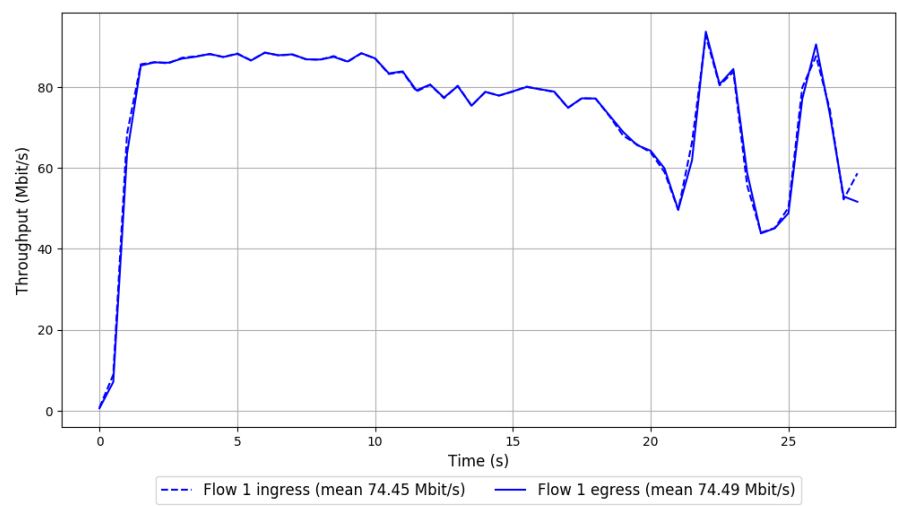
-- Flow 1:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 42.794 ms

Loss rate: 0.30%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-25 22:23:07

End at: 2018-01-25 22:23:37

Below is generated by plot.py at 2018-01-26 02:32:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.85 Mbit/s

95th percentile per-packet one-way delay: 42.728 ms

Loss rate: 0.19%

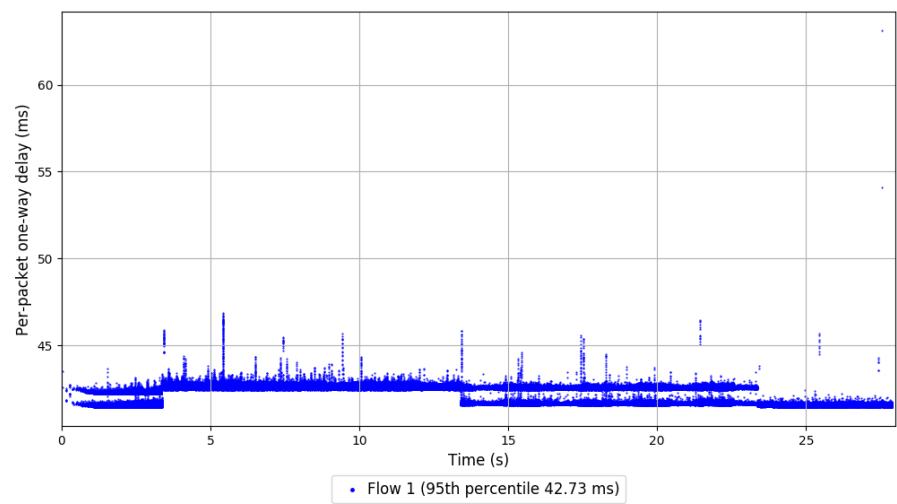
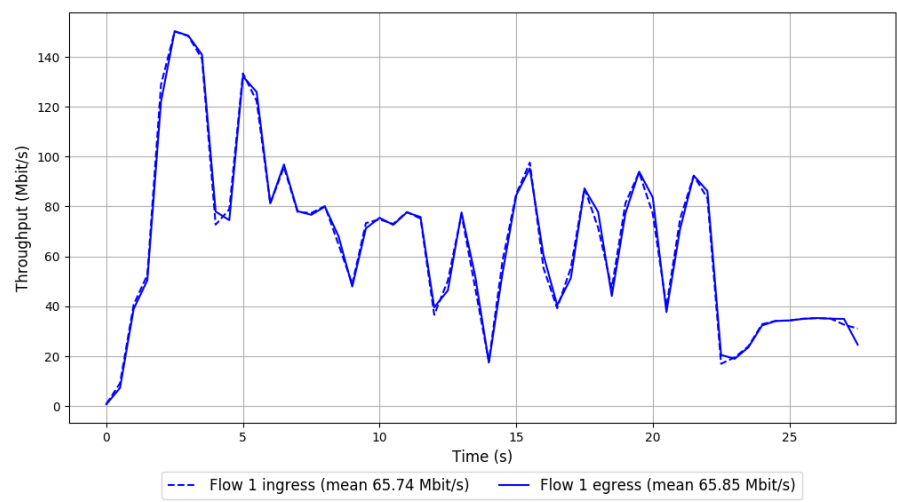
-- Flow 1:

Average throughput: 65.85 Mbit/s

95th percentile per-packet one-way delay: 42.728 ms

Loss rate: 0.19%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-25 22:35:03

End at: 2018-01-25 22:35:33

Below is generated by plot.py at 2018-01-26 02:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.52 Mbit/s

95th percentile per-packet one-way delay: 42.586 ms

Loss rate: 0.28%

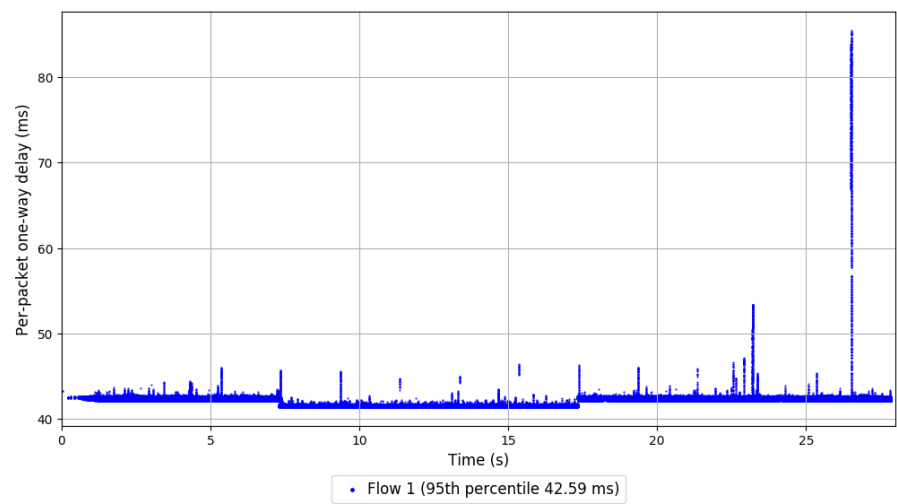
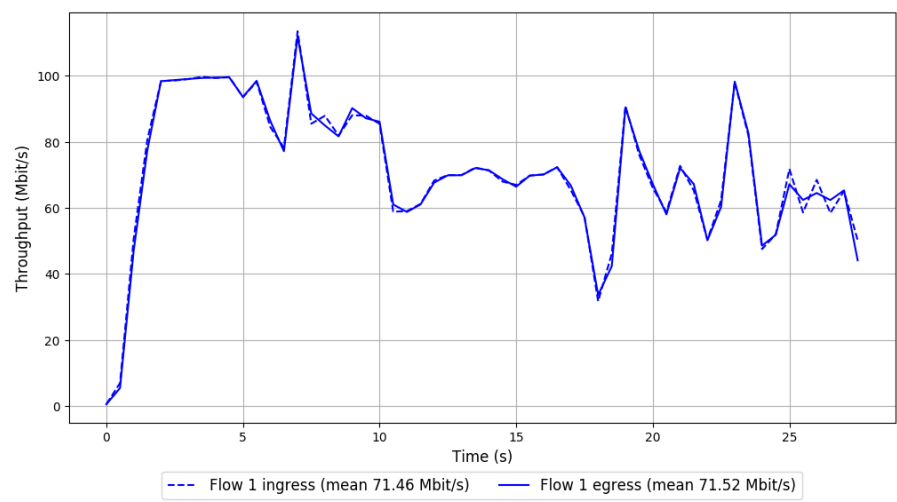
-- Flow 1:

Average throughput: 71.52 Mbit/s

95th percentile per-packet one-way delay: 42.586 ms

Loss rate: 0.28%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-25 22:46:44

End at: 2018-01-25 22:47:14

Below is generated by plot.py at 2018-01-26 02:33:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.22 Mbit/s

95th percentile per-packet one-way delay: 42.575 ms

Loss rate: 0.39%

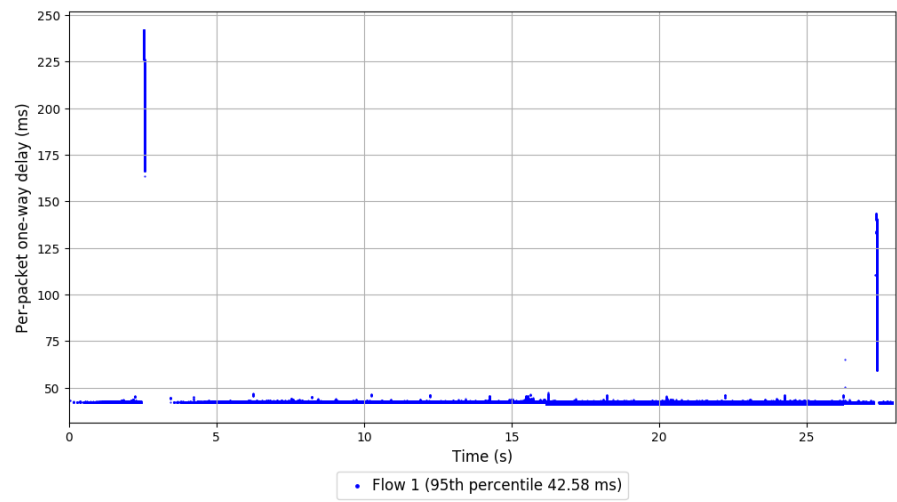
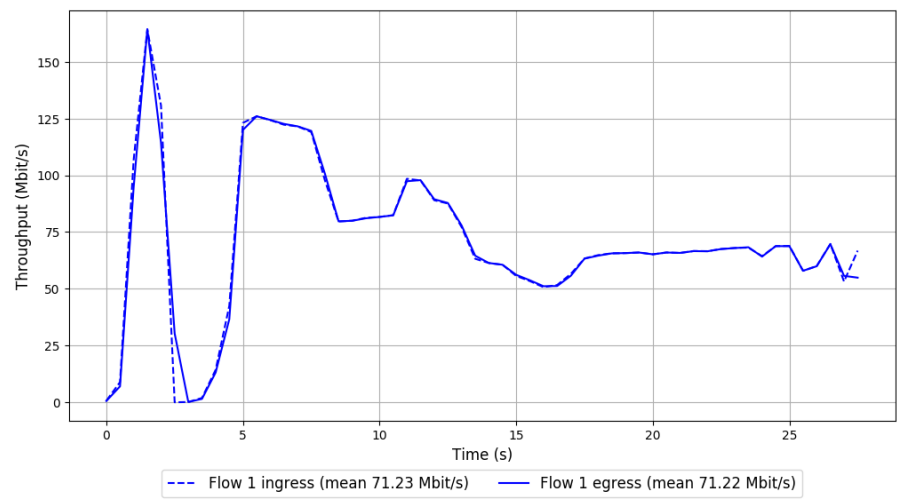
-- Flow 1:

Average throughput: 71.22 Mbit/s

95th percentile per-packet one-way delay: 42.575 ms

Loss rate: 0.39%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

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

End at: 2018-01-25 22:58:55

Below is generated by plot.py at 2018-01-26 02:33:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.62 Mbit/s

95th percentile per-packet one-way delay: 42.613 ms

Loss rate: 0.18%

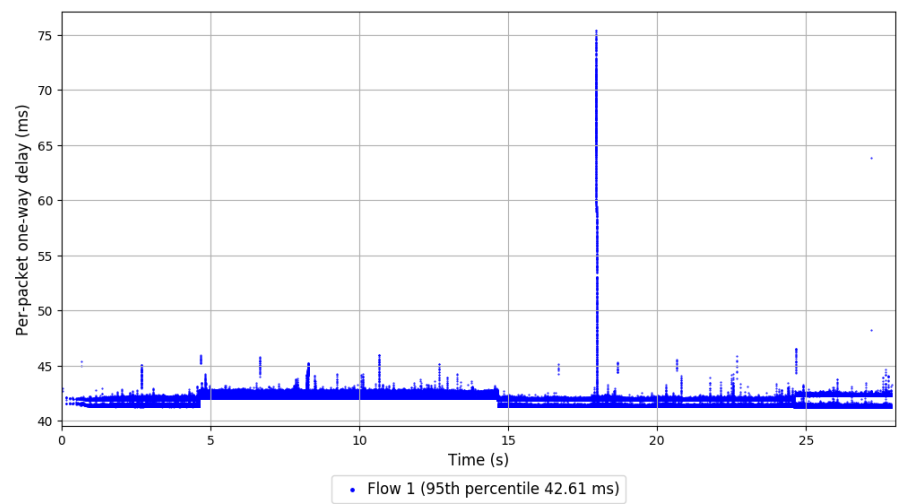
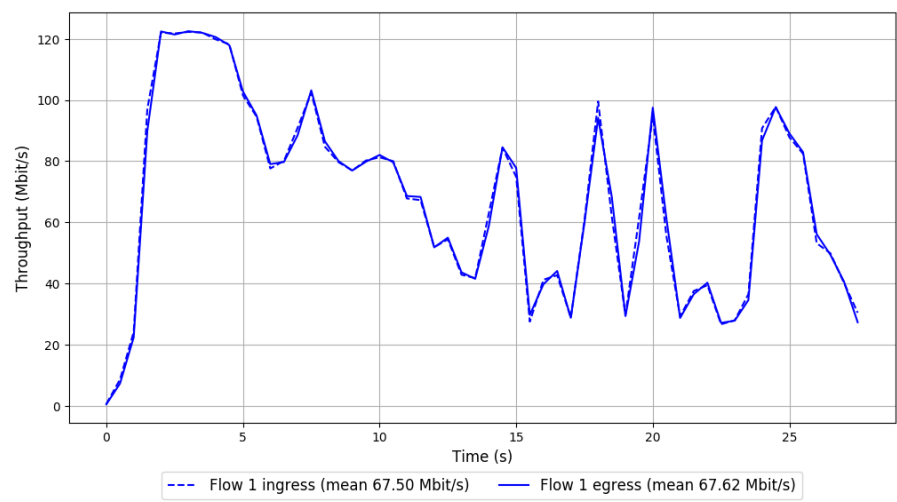
-- Flow 1:

Average throughput: 67.62 Mbit/s

95th percentile per-packet one-way delay: 42.613 ms

Loss rate: 0.18%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-25 23:10:06

End at: 2018-01-25 23:10:36

Below is generated by plot.py at 2018-01-26 02:34:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.33 Mbit/s

95th percentile per-packet one-way delay: 43.236 ms

Loss rate: 0.37%

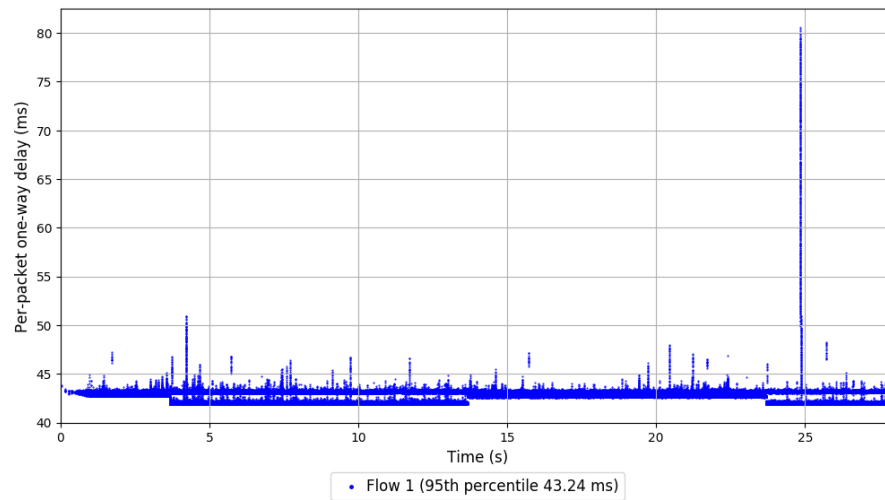
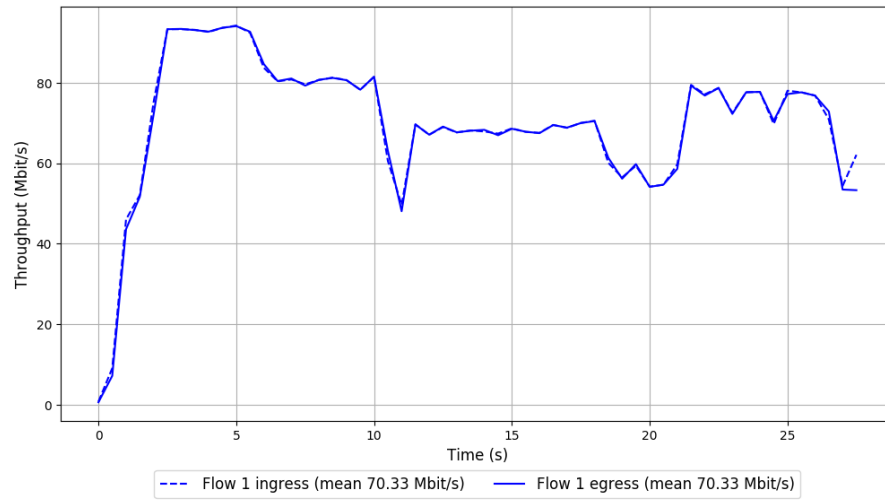
-- Flow 1:

Average throughput: 70.33 Mbit/s

95th percentile per-packet one-way delay: 43.236 ms

Loss rate: 0.37%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-25 23:22:00

End at: 2018-01-25 23:22:30

Below is generated by plot.py at 2018-01-26 02:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.27 Mbit/s

95th percentile per-packet one-way delay: 43.745 ms

Loss rate: 0.35%

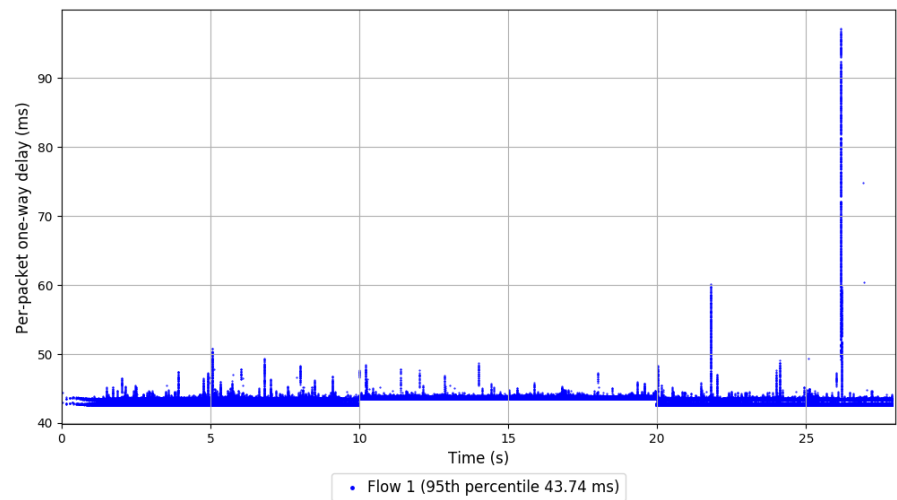
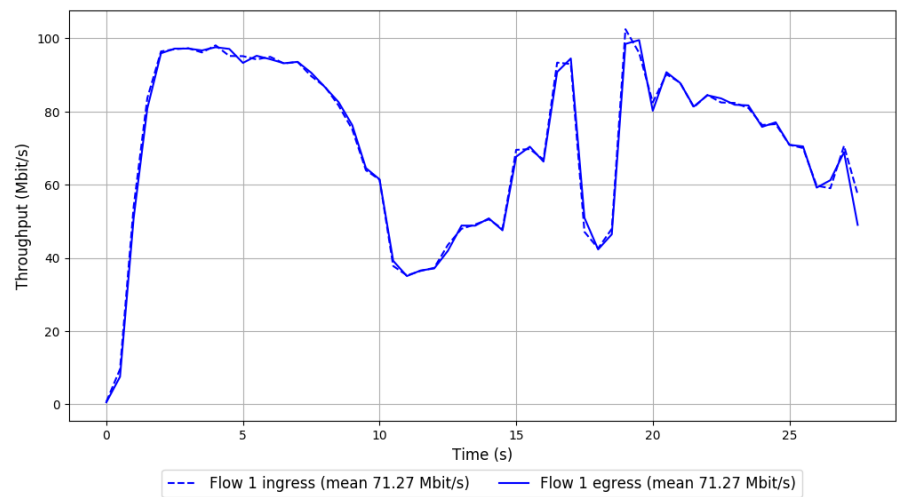
-- Flow 1:

Average throughput: 71.27 Mbit/s

95th percentile per-packet one-way delay: 43.745 ms

Loss rate: 0.35%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-25 23:33:49

End at: 2018-01-25 23:34:19

Below is generated by plot.py at 2018-01-26 02:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.61 Mbit/s

95th percentile per-packet one-way delay: 44.316 ms

Loss rate: 0.36%

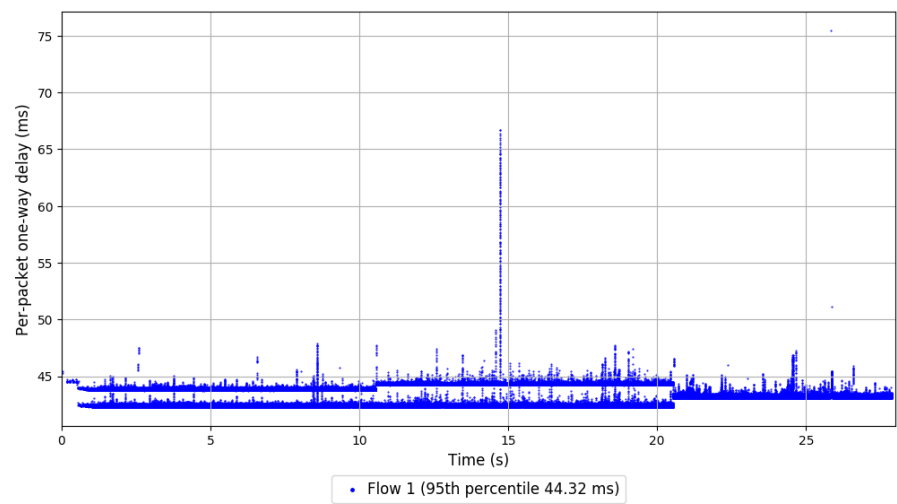
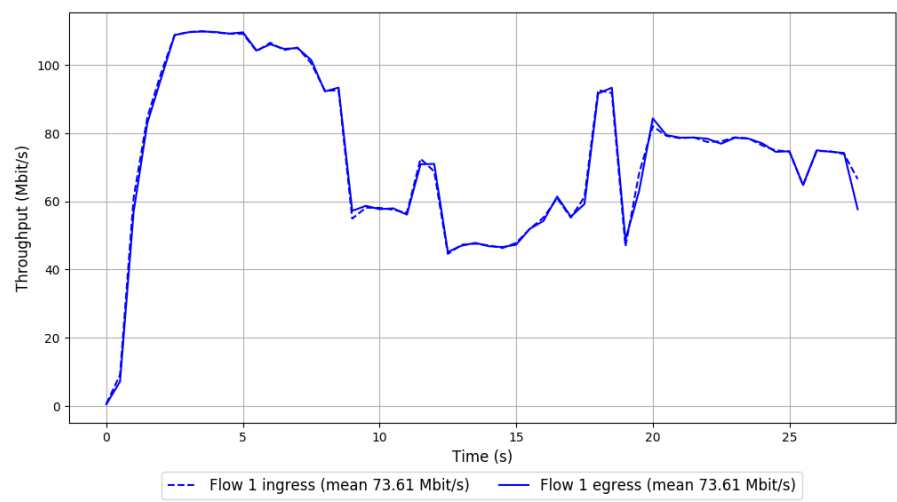
-- Flow 1:

Average throughput: 73.61 Mbit/s

95th percentile per-packet one-way delay: 44.316 ms

Loss rate: 0.36%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-25 23:45:37

End at: 2018-01-25 23:46:07

Below is generated by plot.py at 2018-01-26 02:34:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.37 Mbit/s

95th percentile per-packet one-way delay: 44.696 ms

Loss rate: 0.41%

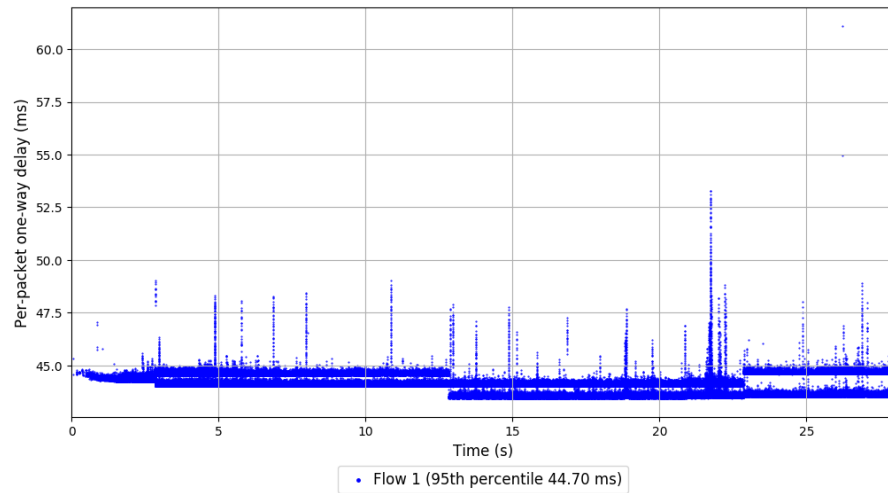
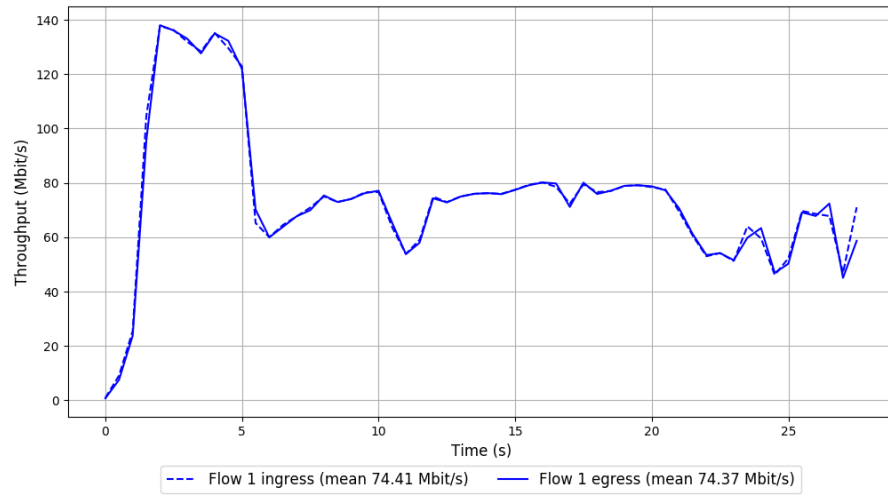
-- Flow 1:

Average throughput: 74.37 Mbit/s

95th percentile per-packet one-way delay: 44.696 ms

Loss rate: 0.41%

Run 10: Report of Copa — Data Link

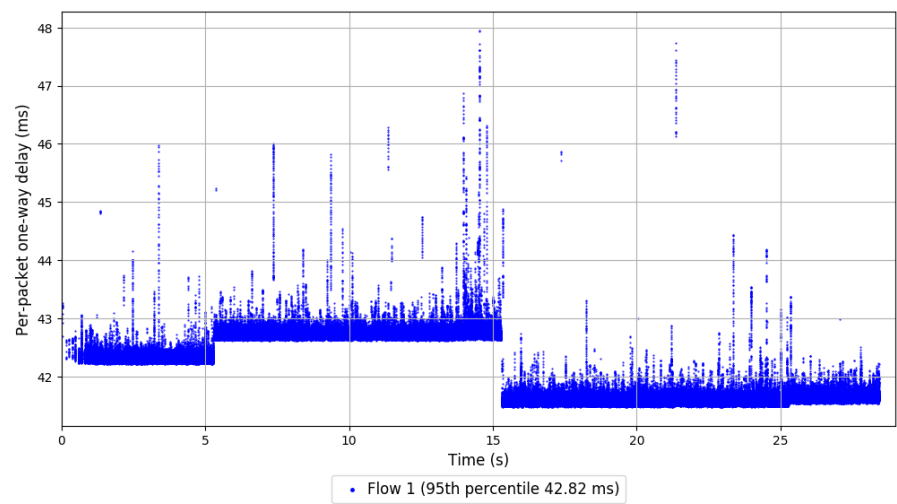
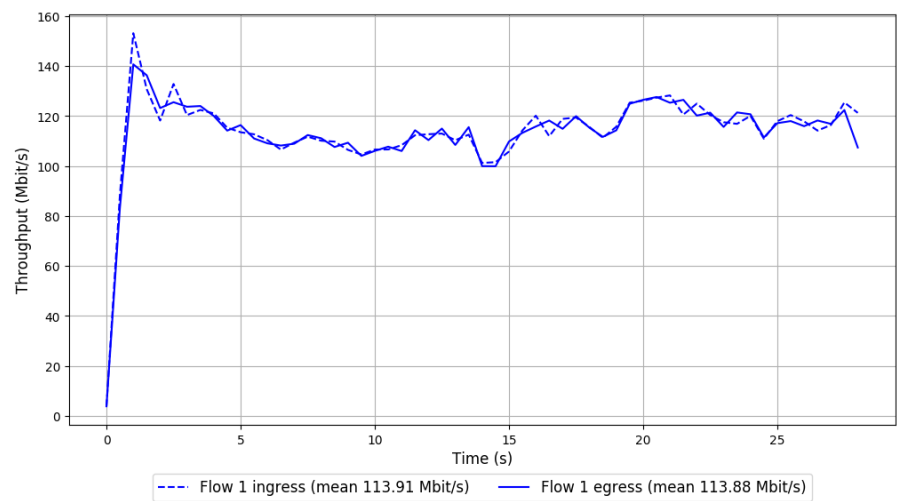


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-25 22:08:45
End at: 2018-01-25 22:09:15

# Below is generated by plot.py at 2018-01-26 02:34:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.88 Mbit/s
95th percentile per-packet one-way delay: 42.817 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 113.88 Mbit/s
95th percentile per-packet one-way delay: 42.817 ms
Loss rate: 0.38%
```


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

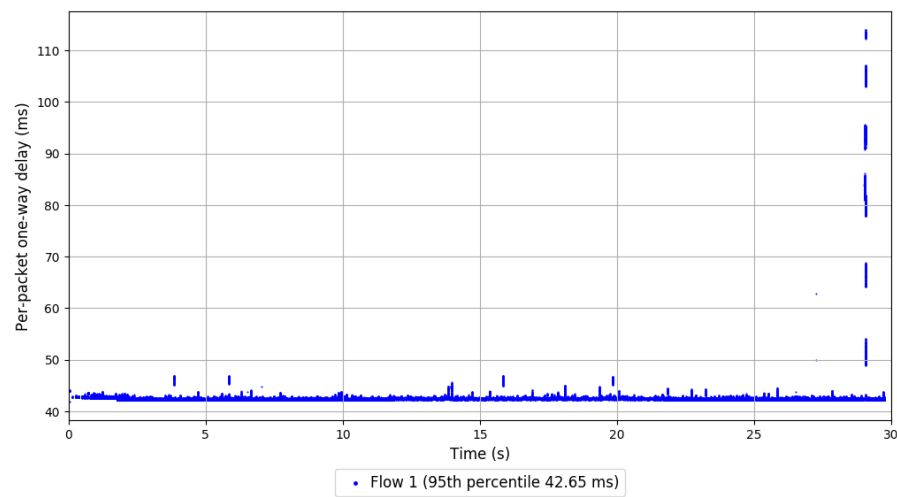
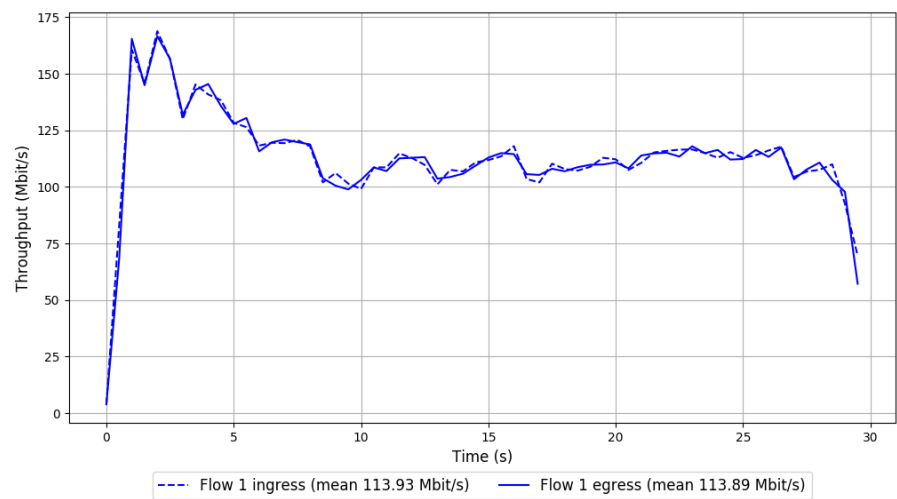


```
Run 2: Statistics of Indigo-2-256

Start at: 2018-01-25 22:20:30
End at: 2018-01-25 22:21:00

# Below is generated by plot.py at 2018-01-26 02:35:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.89 Mbit/s
95th percentile per-packet one-way delay: 42.647 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 113.89 Mbit/s
95th percentile per-packet one-way delay: 42.647 ms
Loss rate: 0.38%
```

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



Run 3: Statistics of Indigo-2-256

Start at: 2018-01-25 22:32:23

End at: 2018-01-25 22:32:53

Below is generated by plot.py at 2018-01-26 02:36:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.85 Mbit/s

95th percentile per-packet one-way delay: 42.359 ms

Loss rate: 0.34%

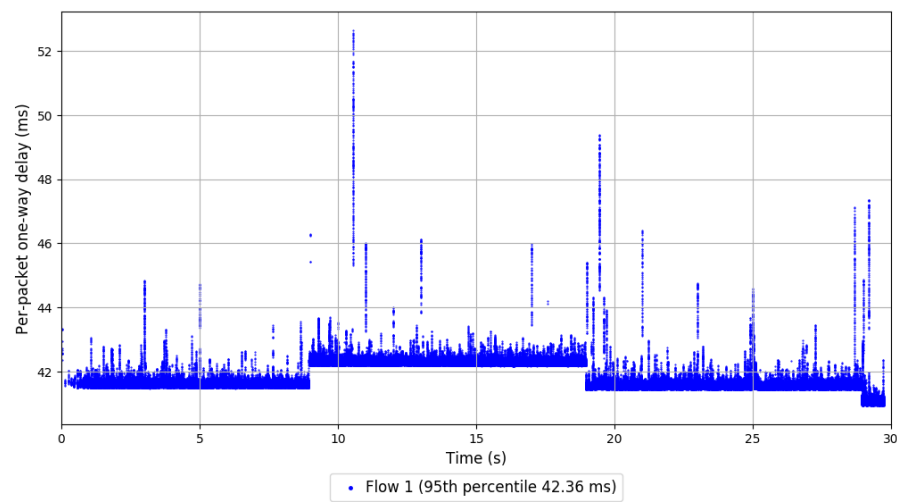
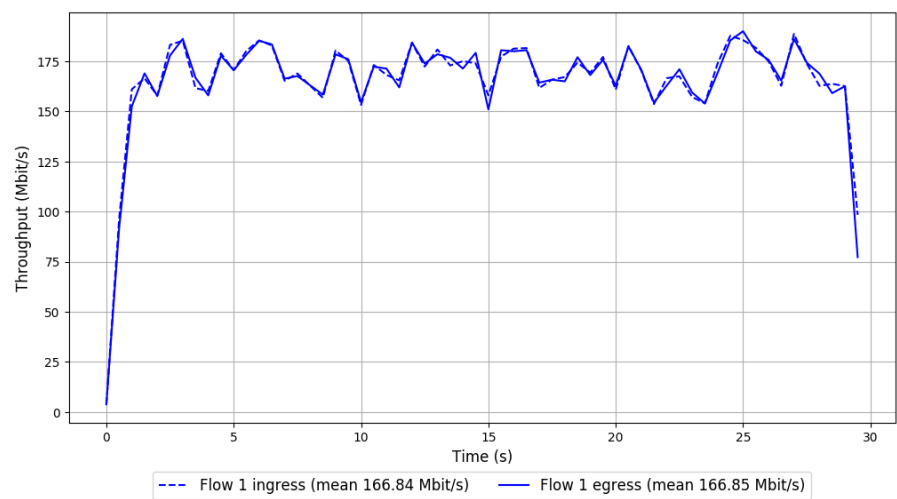
-- Flow 1:

Average throughput: 166.85 Mbit/s

95th percentile per-packet one-way delay: 42.359 ms

Loss rate: 0.34%

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



Run 4: Statistics of Indigo-2-256

Start at: 2018-01-25 22:44:09

End at: 2018-01-25 22:44:39

Below is generated by plot.py at 2018-01-26 02:36:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.63 Mbit/s

95th percentile per-packet one-way delay: 42.229 ms

Loss rate: 0.34%

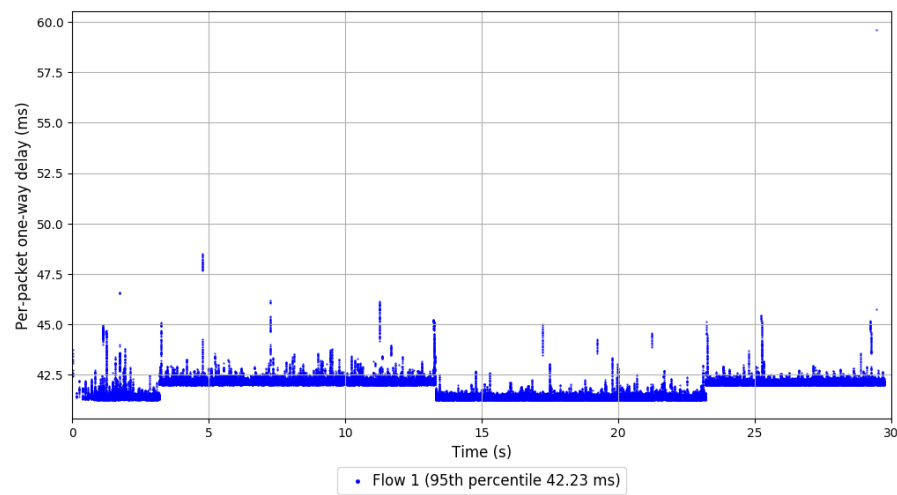
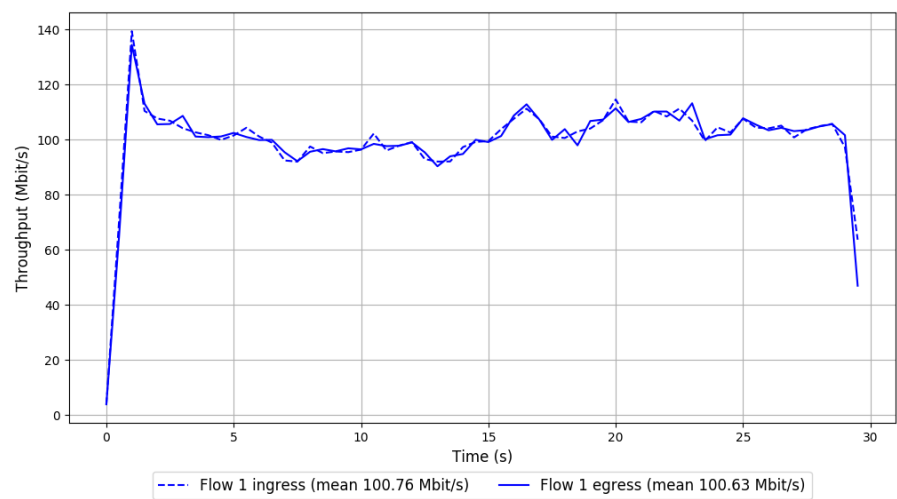
-- Flow 1:

Average throughput: 100.63 Mbit/s

95th percentile per-packet one-way delay: 42.229 ms

Loss rate: 0.34%

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



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-25 22:55:51

End at: 2018-01-25 22:56:21

Below is generated by plot.py at 2018-01-26 02:36:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 41.496 ms

Loss rate: 0.32%

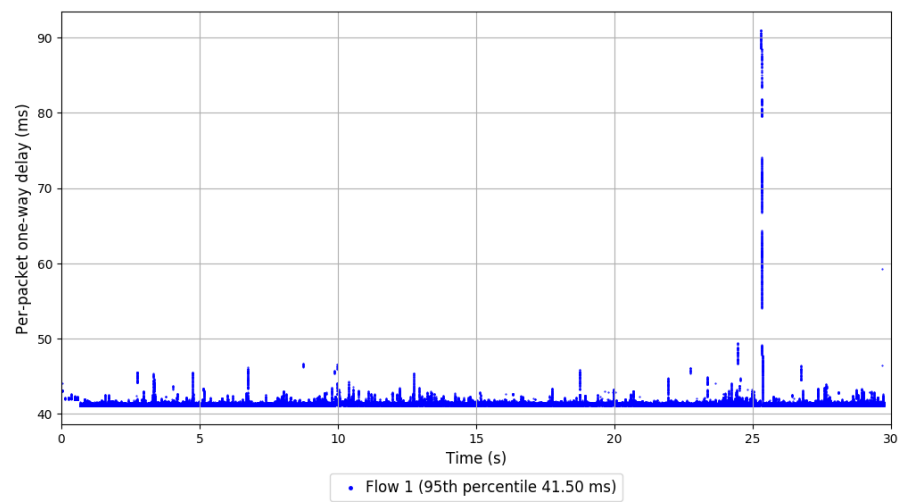
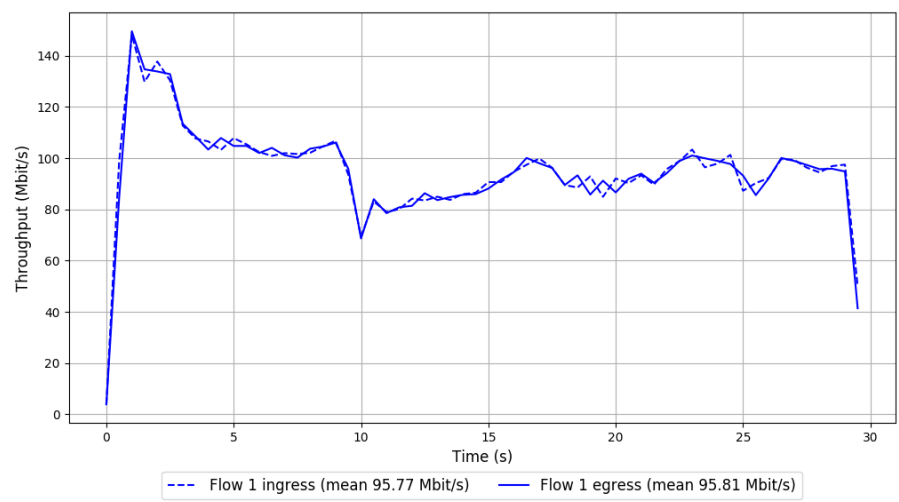
-- Flow 1:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 41.496 ms

Loss rate: 0.32%

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



Run 6: Statistics of Indigo-2-256

Start at: 2018-01-25 23:07:29

End at: 2018-01-25 23:07:59

Below is generated by plot.py at 2018-01-26 02:36:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.67 Mbit/s

95th percentile per-packet one-way delay: 42.034 ms

Loss rate: 0.20%

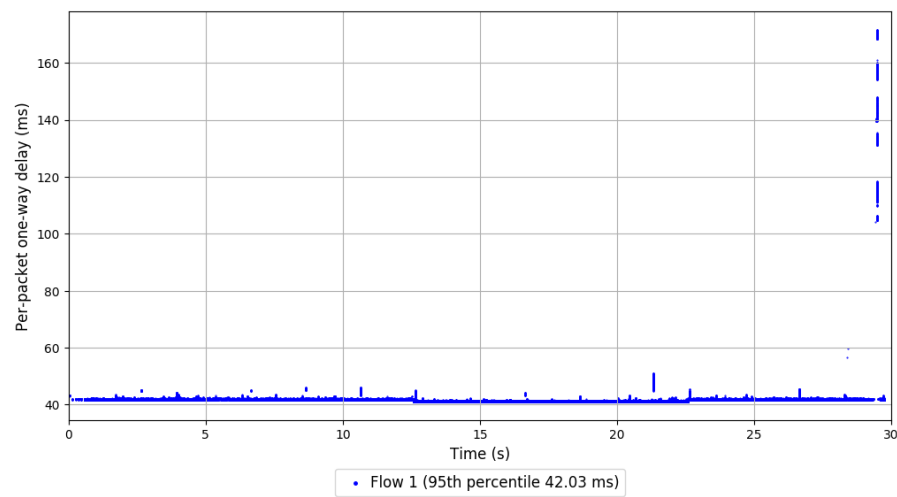
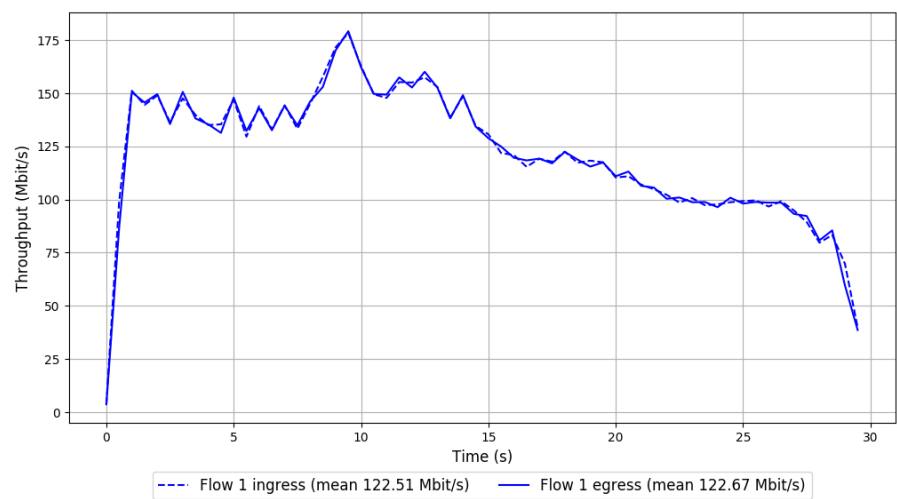
-- Flow 1:

Average throughput: 122.67 Mbit/s

95th percentile per-packet one-way delay: 42.034 ms

Loss rate: 0.20%

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



Run 7: Statistics of Indigo-2-256

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

End at: 2018-01-25 23:19:55

Below is generated by plot.py at 2018-01-26 02:36:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 43.774 ms

Loss rate: 0.31%

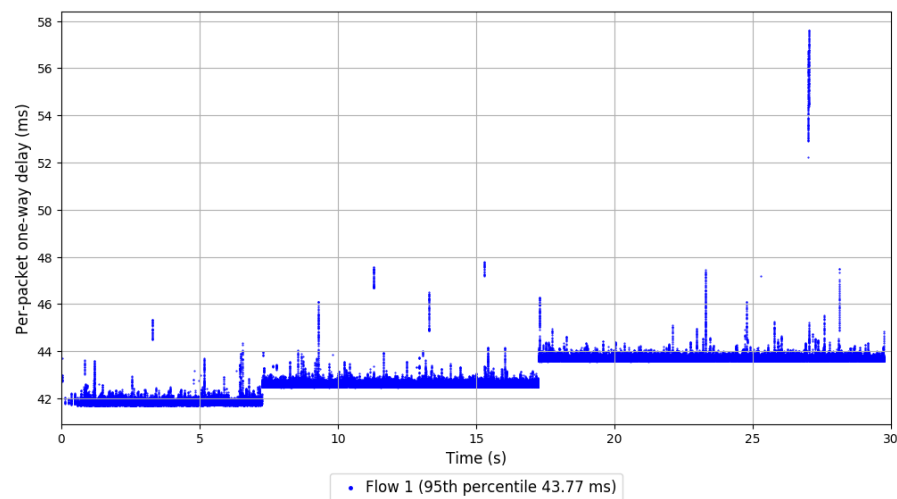
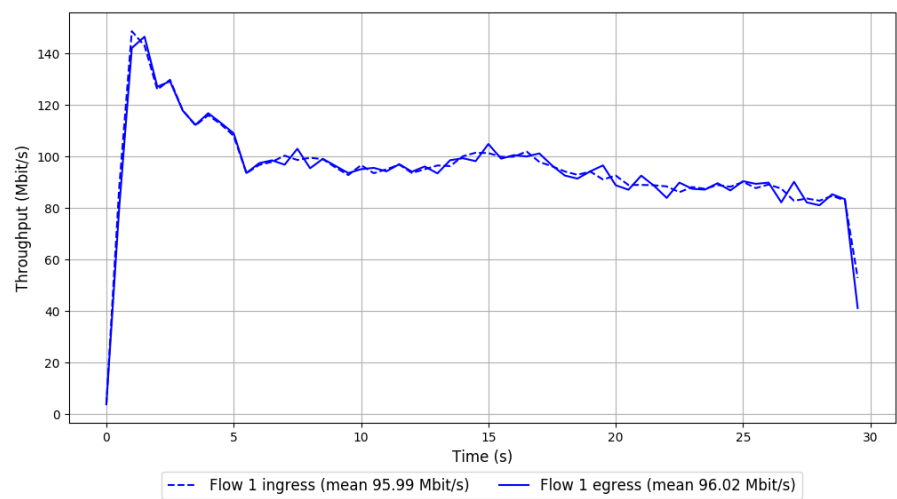
-- Flow 1:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 43.774 ms

Loss rate: 0.31%

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



Run 8: Statistics of Indigo-2-256

Start at: 2018-01-25 23:31:12

End at: 2018-01-25 23:31:42

Below is generated by plot.py at 2018-01-26 02:37:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.90 Mbit/s

95th percentile per-packet one-way delay: 43.925 ms

Loss rate: 0.26%

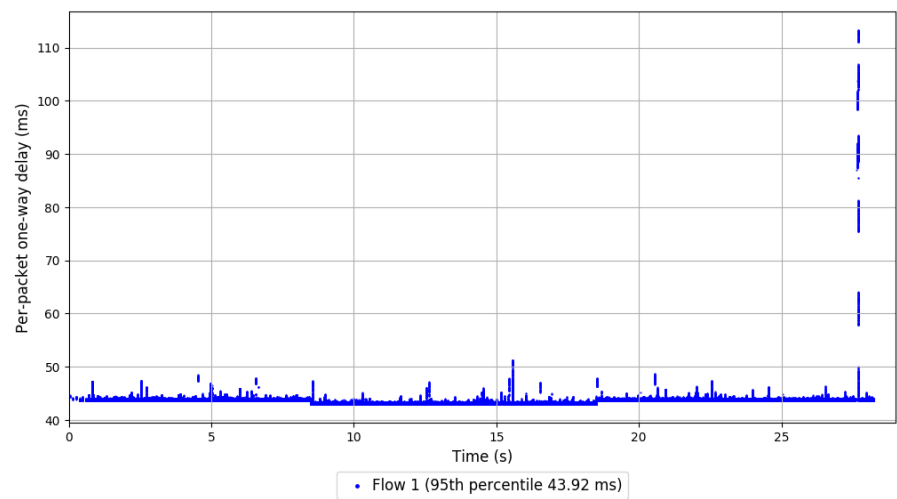
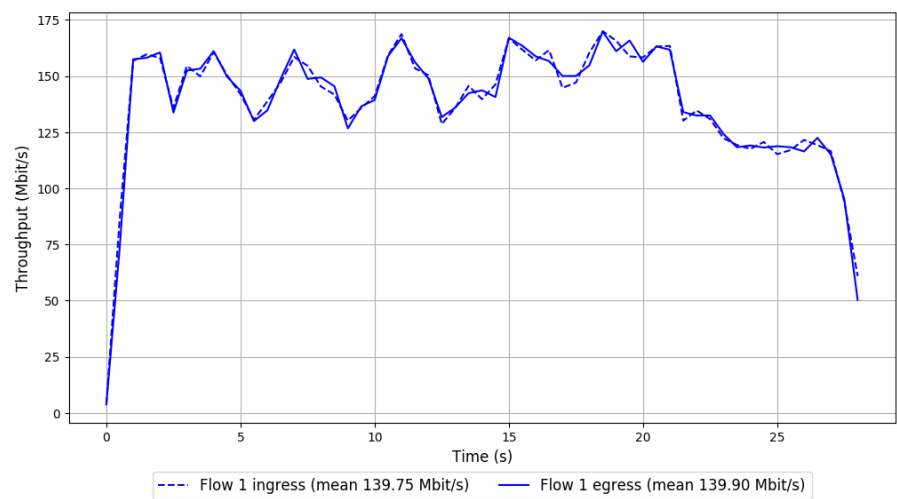
-- Flow 1:

Average throughput: 139.90 Mbit/s

95th percentile per-packet one-way delay: 43.925 ms

Loss rate: 0.26%

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

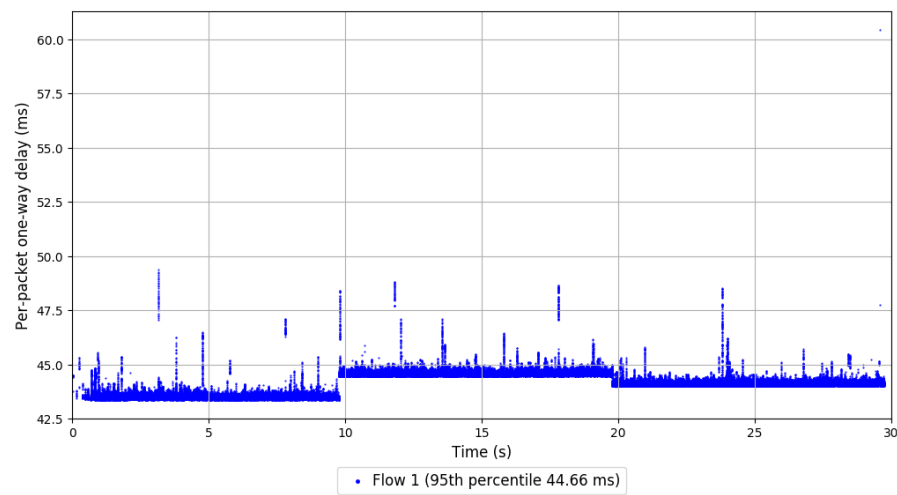
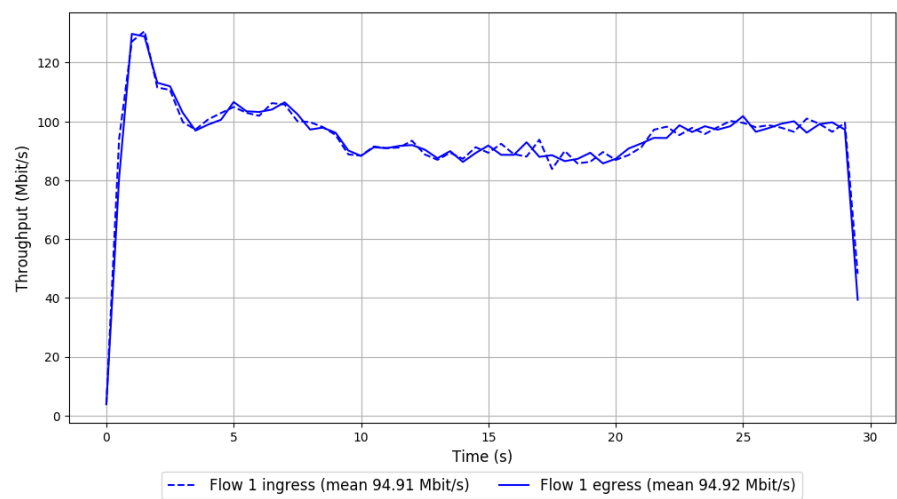


```
Run 9: Statistics of Indigo-2-256

Start at: 2018-01-25 23:43:02
End at: 2018-01-25 23:43:32

# Below is generated by plot.py at 2018-01-26 02:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 44.657 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 44.657 ms
Loss rate: 0.32%
```


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



Run 10: Statistics of Indigo-2-256

Start at: 2018-01-25 23:54:48

End at: 2018-01-25 23:55:18

Below is generated by plot.py at 2018-01-26 02:37:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.53 Mbit/s

95th percentile per-packet one-way delay: 45.617 ms

Loss rate: 0.29%

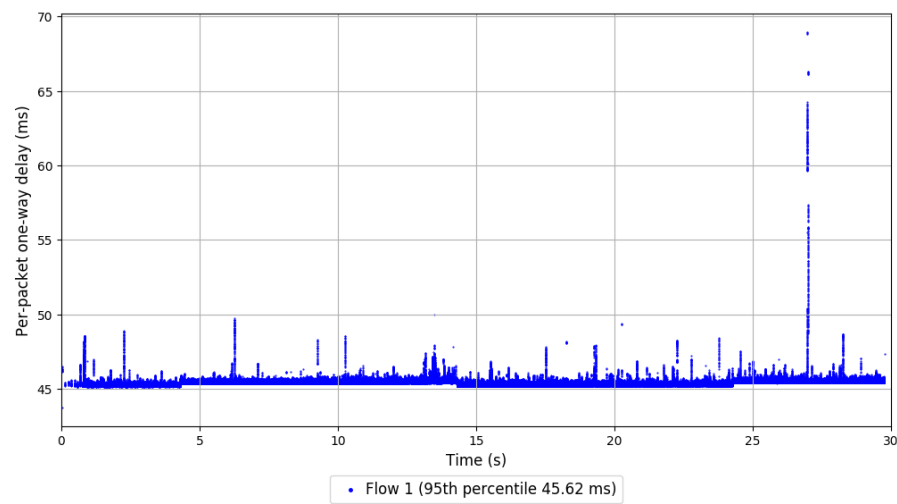
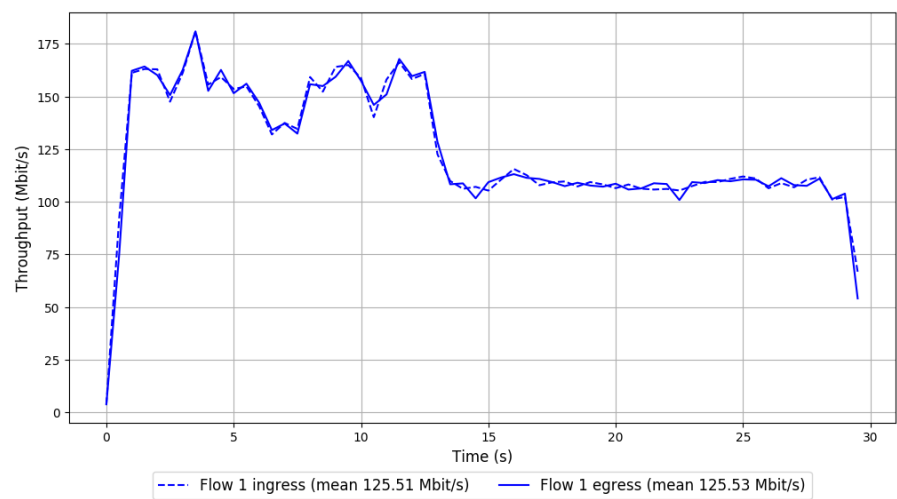
-- Flow 1:

Average throughput: 125.53 Mbit/s

95th percentile per-packet one-way delay: 45.617 ms

Loss rate: 0.29%

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

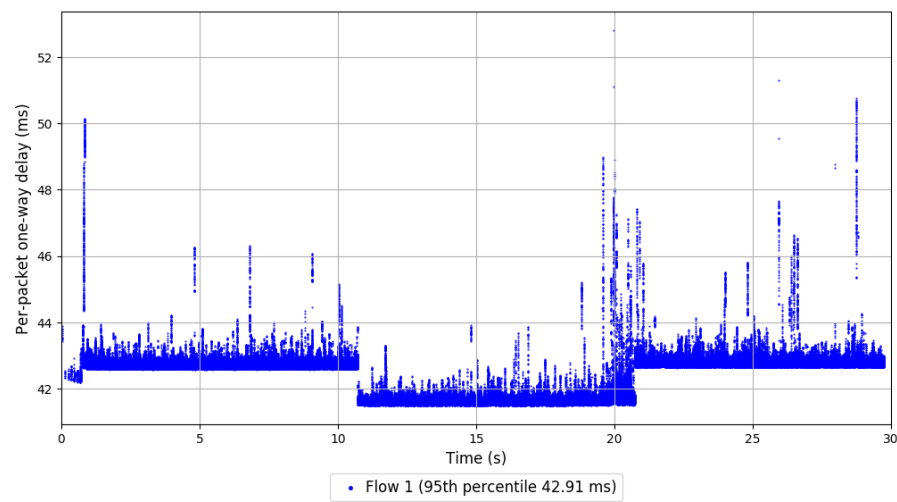
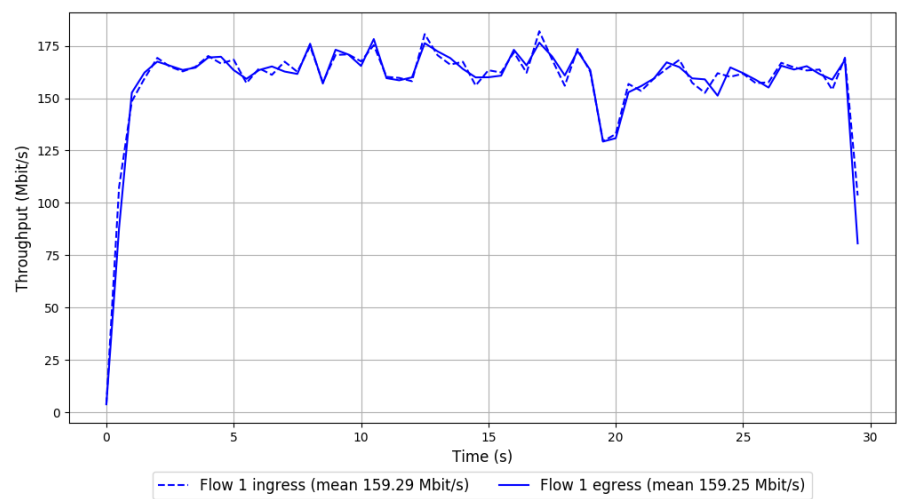


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-25 22:02:41
End at: 2018-01-25 22:03:11

# Below is generated by plot.py at 2018-01-26 02:38:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.25 Mbit/s
95th percentile per-packet one-way delay: 42.913 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 159.25 Mbit/s
95th percentile per-packet one-way delay: 42.913 ms
Loss rate: 0.37%
```

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

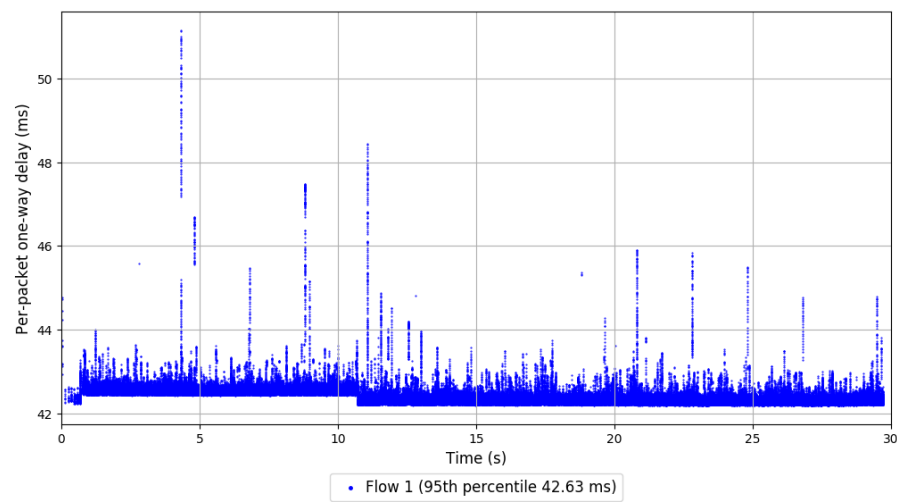
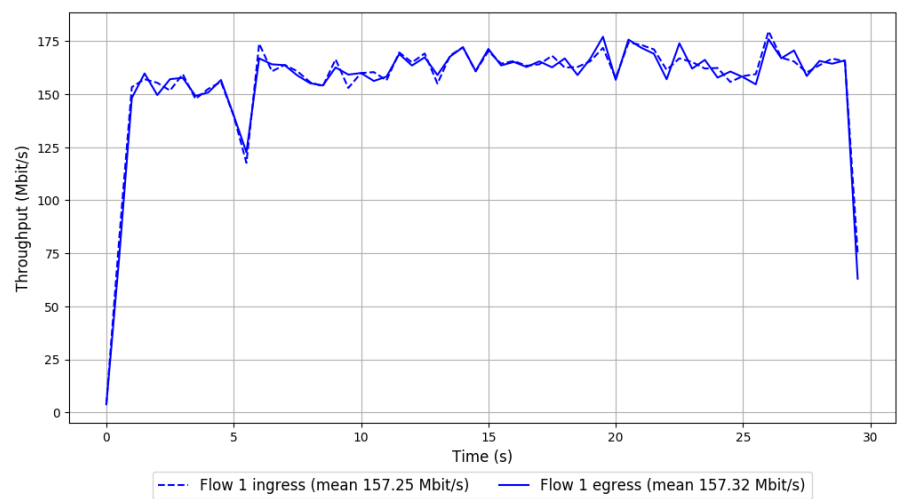


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-25 22:14:31
End at: 2018-01-25 22:15:01

# Below is generated by plot.py at 2018-01-26 02:38:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.32 Mbit/s
95th percentile per-packet one-way delay: 42.629 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 157.32 Mbit/s
95th percentile per-packet one-way delay: 42.629 ms
Loss rate: 0.30%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-25 22:26:18

End at: 2018-01-25 22:26:49

Below is generated by plot.py at 2018-01-26 02:39:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.08 Mbit/s

95th percentile per-packet one-way delay: 42.377 ms

Loss rate: 0.34%

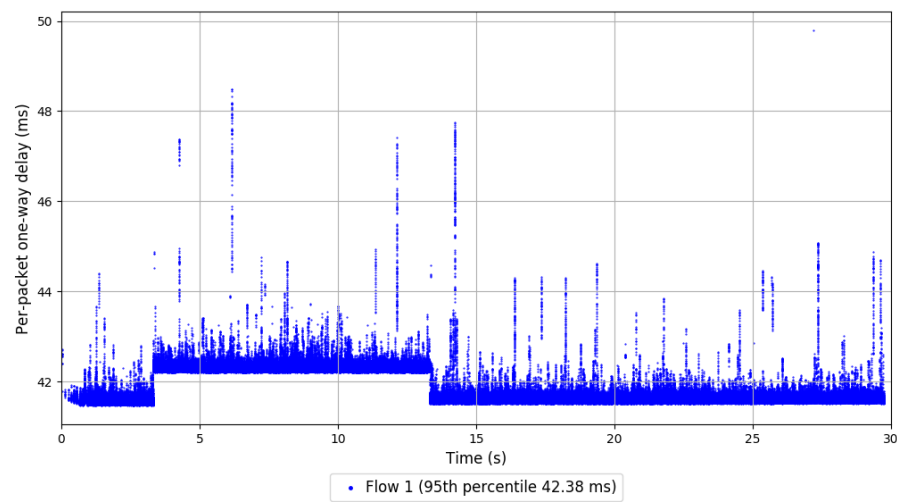
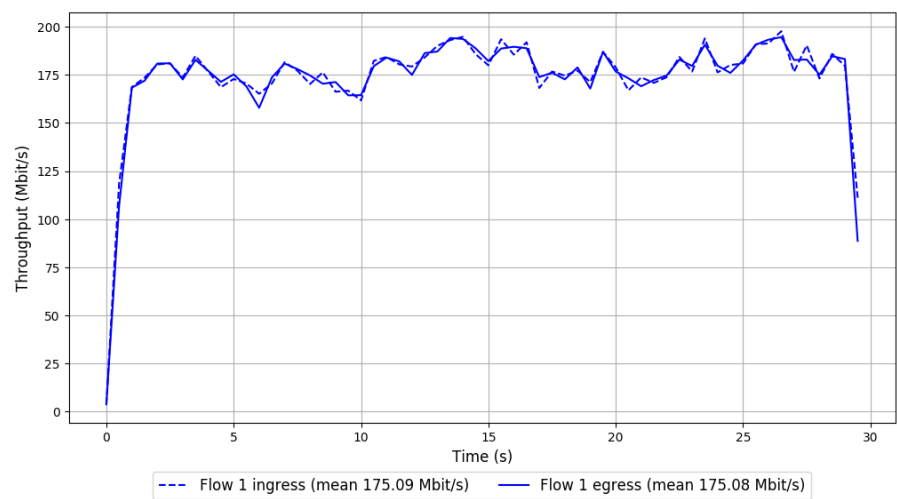
-- Flow 1:

Average throughput: 175.08 Mbit/s

95th percentile per-packet one-way delay: 42.377 ms

Loss rate: 0.34%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-25 22:38:15

End at: 2018-01-25 22:38:45

Below is generated by plot.py at 2018-01-26 02:39:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.53 Mbit/s

95th percentile per-packet one-way delay: 42.688 ms

Loss rate: 0.22%

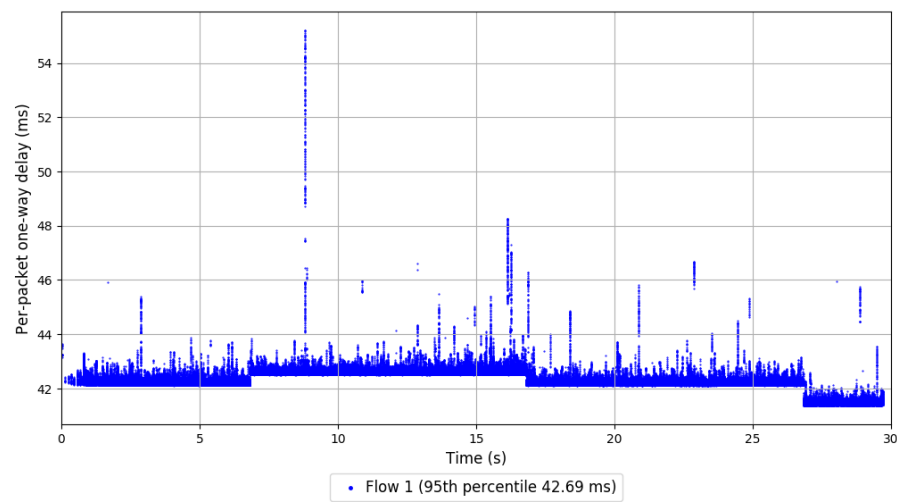
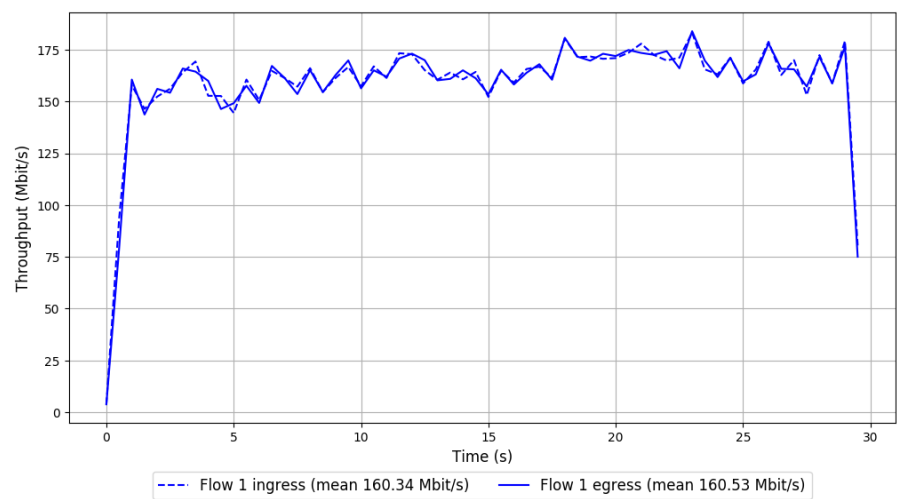
-- Flow 1:

Average throughput: 160.53 Mbit/s

95th percentile per-packet one-way delay: 42.688 ms

Loss rate: 0.22%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-25 22:49:52

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

Below is generated by plot.py at 2018-01-26 02:39:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.43 Mbit/s

95th percentile per-packet one-way delay: 42.116 ms

Loss rate: 0.32%

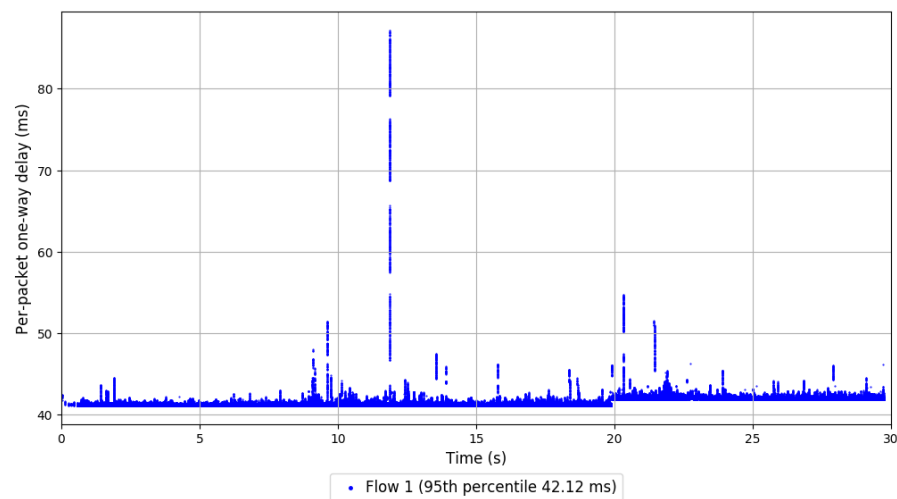
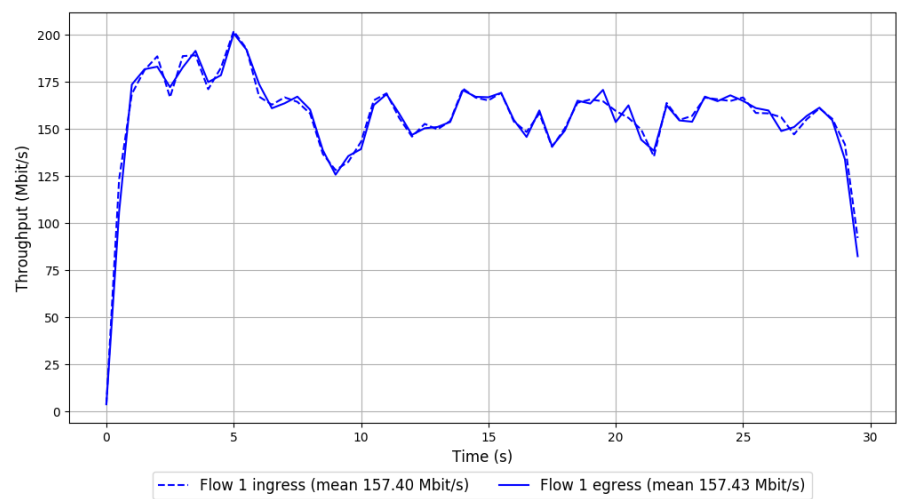
-- Flow 1:

Average throughput: 157.43 Mbit/s

95th percentile per-packet one-way delay: 42.116 ms

Loss rate: 0.32%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-25 23:01:33

End at: 2018-01-25 23:02:04

Below is generated by plot.py at 2018-01-26 02:39:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.17 Mbit/s

95th percentile per-packet one-way delay: 42.306 ms

Loss rate: 0.37%

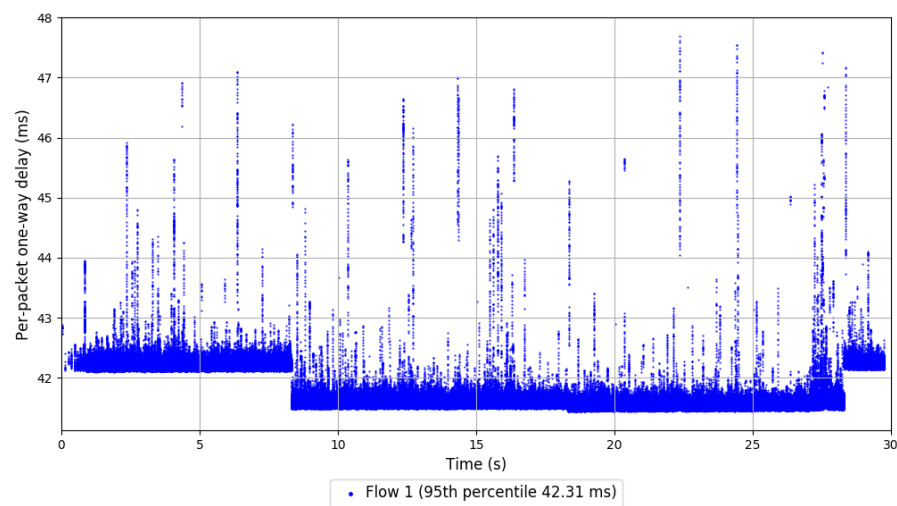
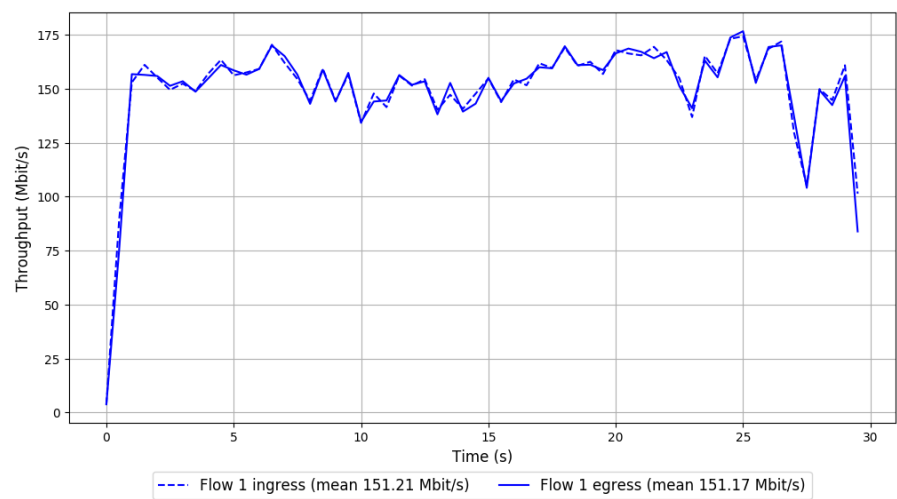
-- Flow 1:

Average throughput: 151.17 Mbit/s

95th percentile per-packet one-way delay: 42.306 ms

Loss rate: 0.37%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-25 23:13:15

End at: 2018-01-25 23:13:45

Below is generated by plot.py at 2018-01-26 02:40:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.52 Mbit/s

95th percentile per-packet one-way delay: 42.304 ms

Loss rate: 0.33%

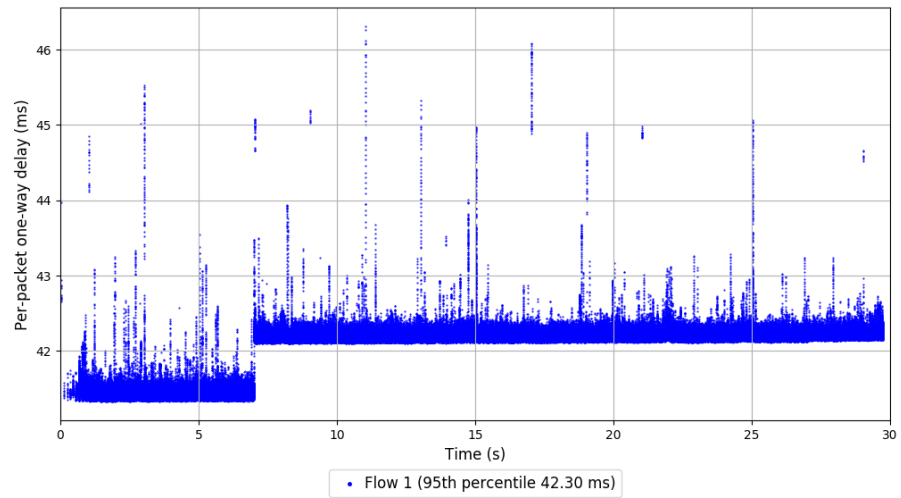
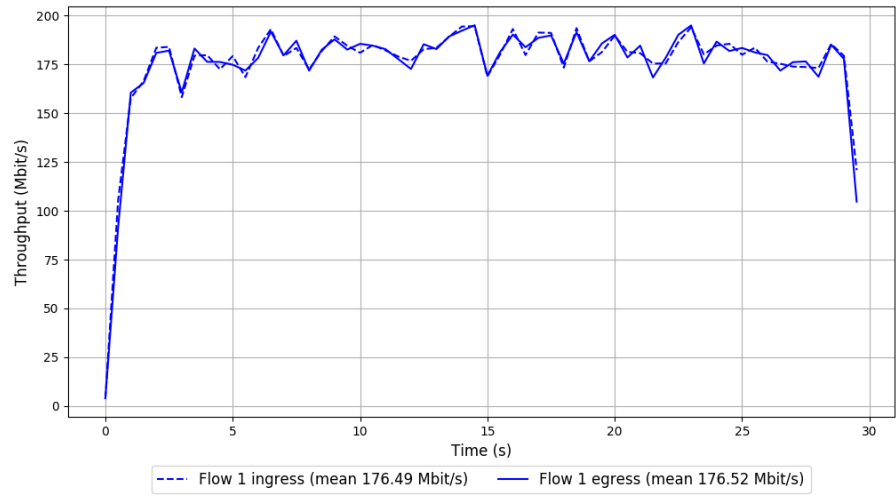
-- Flow 1:

Average throughput: 176.52 Mbit/s

95th percentile per-packet one-way delay: 42.304 ms

Loss rate: 0.33%

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



Run 8: Statistics of Indigo-1-32

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

End at: 2018-01-25 23:25:39

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.06 Mbit/s

95th percentile per-packet one-way delay: 44.135 ms

Loss rate: 0.35%

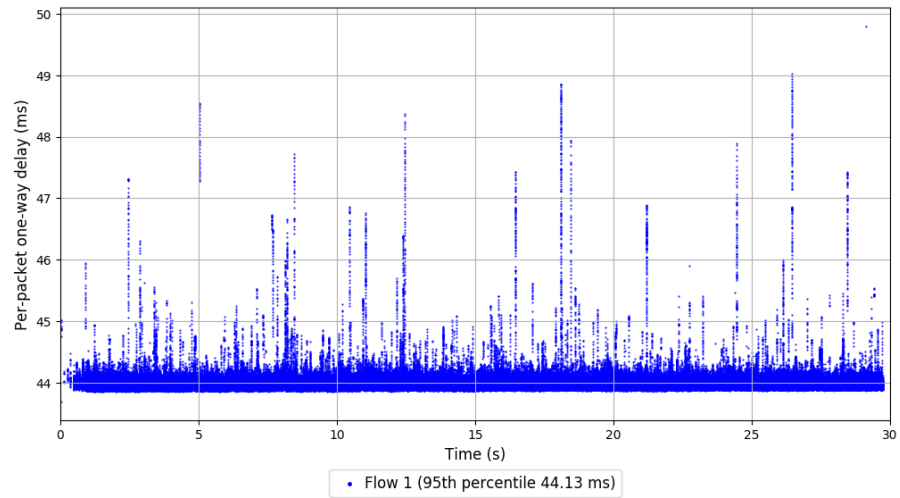
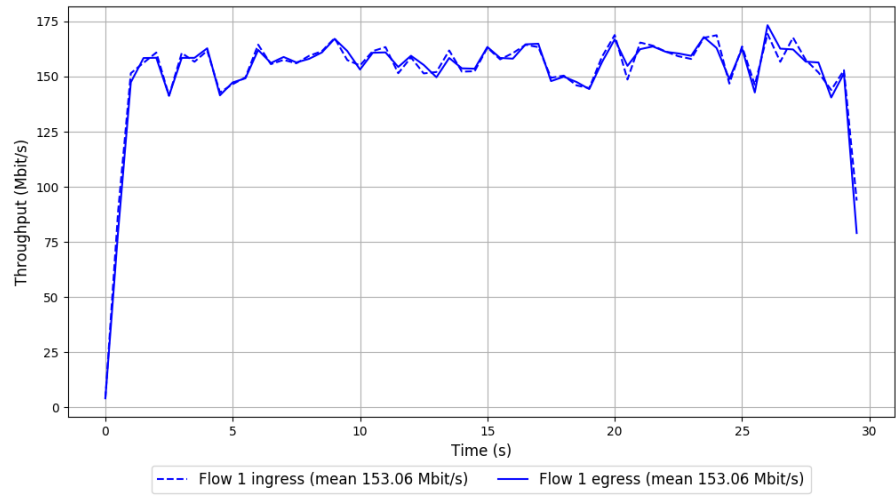
-- Flow 1:

Average throughput: 153.06 Mbit/s

95th percentile per-packet one-way delay: 44.135 ms

Loss rate: 0.35%

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



Run 9: Statistics of Indigo-1-32

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

End at: 2018-01-25 23:37:31

Below is generated by plot.py at 2018-01-26 02:41:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.32 Mbit/s

95th percentile per-packet one-way delay: 44.175 ms

Loss rate: 0.34%

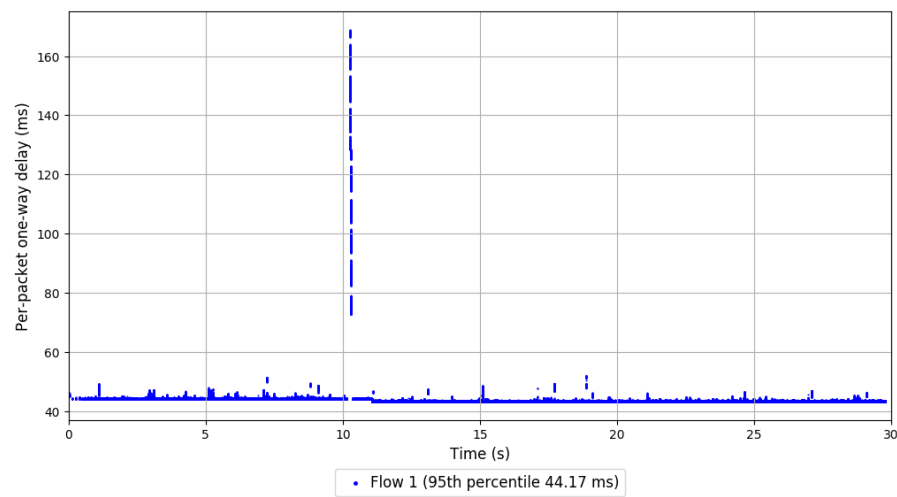
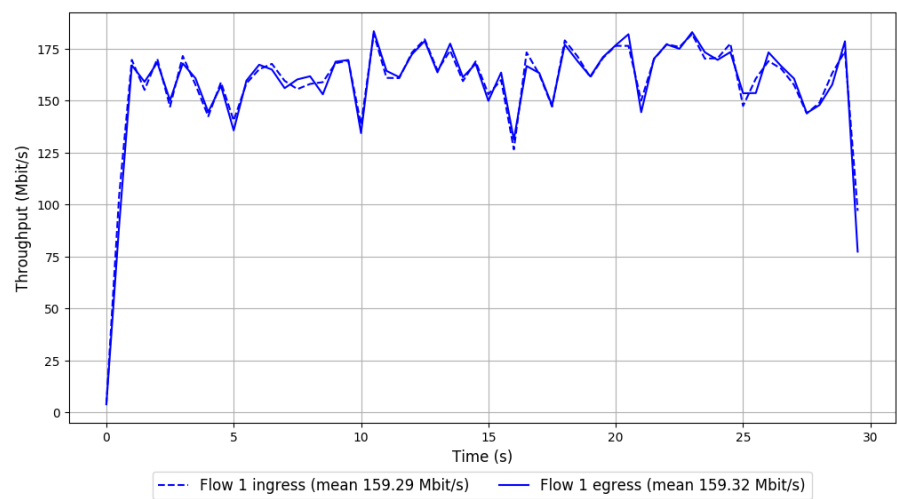
-- Flow 1:

Average throughput: 159.32 Mbit/s

95th percentile per-packet one-way delay: 44.175 ms

Loss rate: 0.34%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-25 23:48:45

End at: 2018-01-25 23:49:15

Below is generated by plot.py at 2018-01-26 02:41:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.15 Mbit/s

95th percentile per-packet one-way delay: 44.781 ms

Loss rate: 0.37%

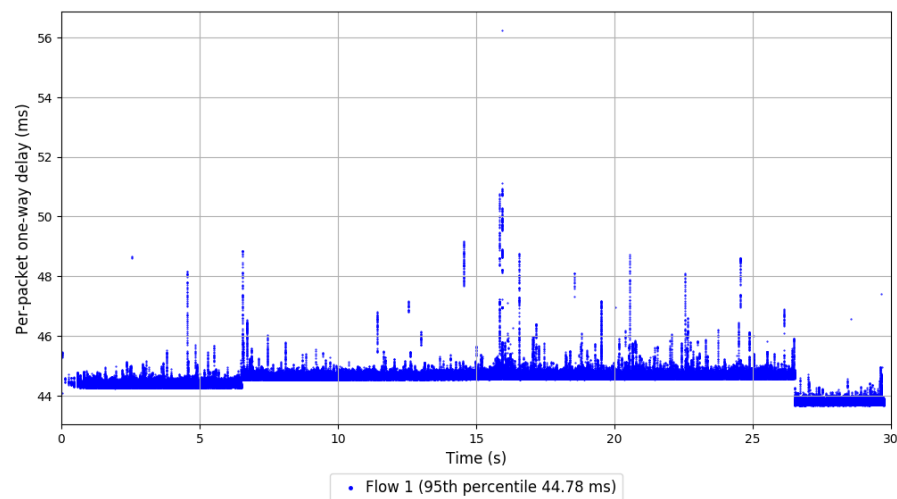
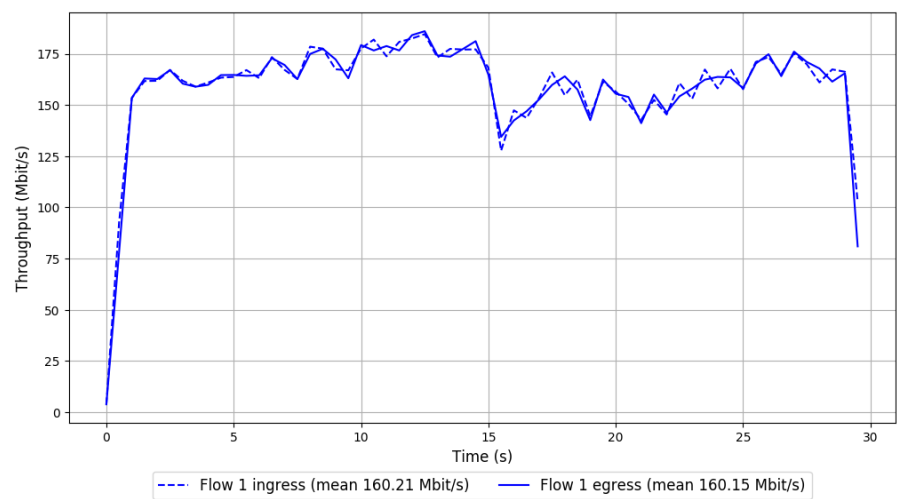
-- Flow 1:

Average throughput: 160.15 Mbit/s

95th percentile per-packet one-way delay: 44.781 ms

Loss rate: 0.37%

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

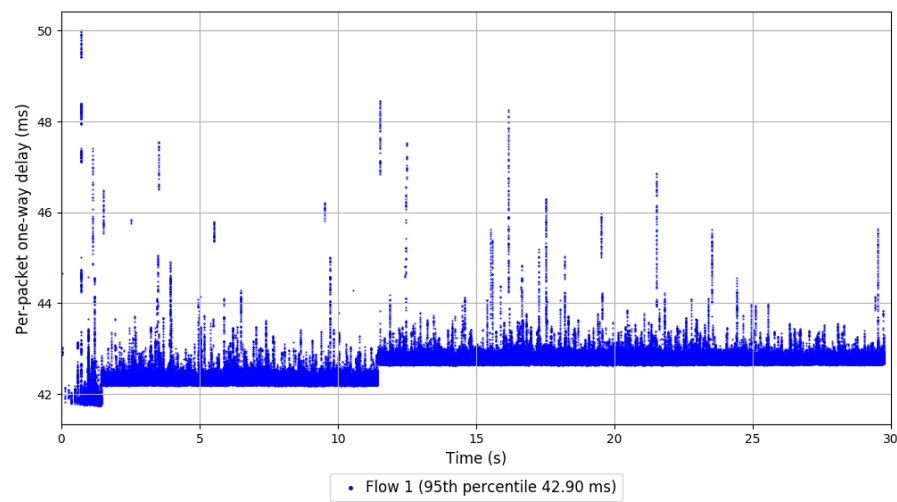
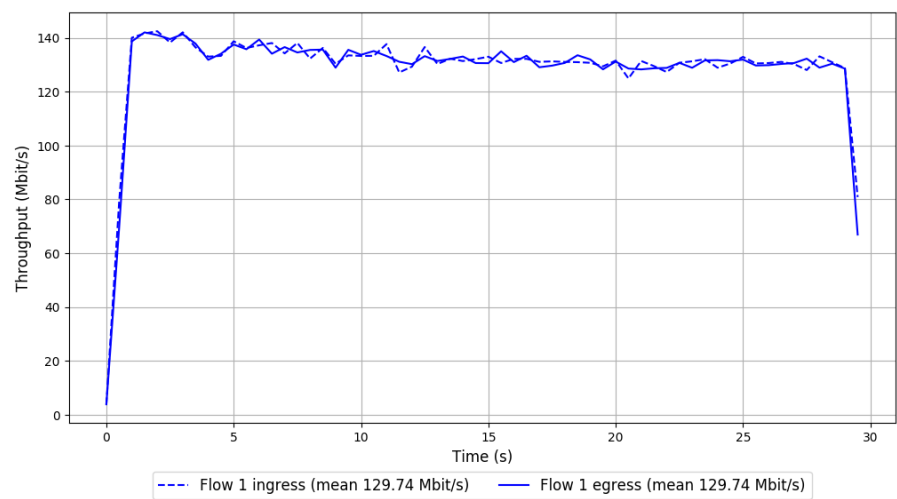


```
Run 1: Statistics of Indigo-1-128

Start at: 2018-01-25 22:01:00
End at: 2018-01-25 22:01:30

# Below is generated by plot.py at 2018-01-26 02:41:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 129.74 Mbit/s
95th percentile per-packet one-way delay: 42.901 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 129.74 Mbit/s
95th percentile per-packet one-way delay: 42.901 ms
Loss rate: 0.35%
```


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

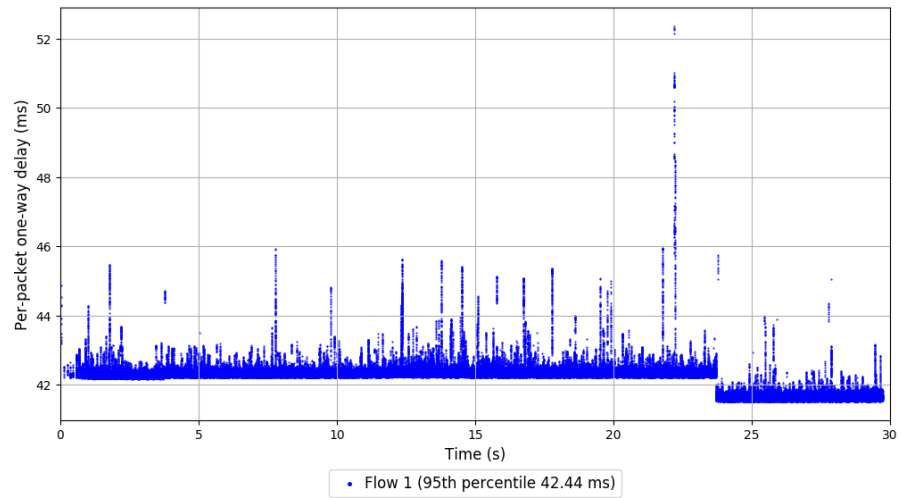
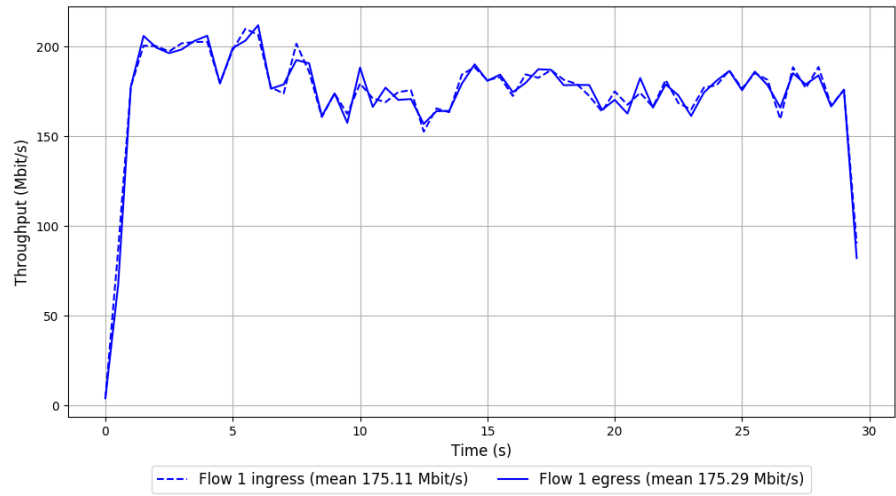


```
Run 2: Statistics of Indigo-1-128

Start at: 2018-01-25 22:12:48
End at: 2018-01-25 22:13:18

# Below is generated by plot.py at 2018-01-26 02:42:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.29 Mbit/s
95th percentile per-packet one-way delay: 42.444 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 175.29 Mbit/s
95th percentile per-packet one-way delay: 42.444 ms
Loss rate: 0.24%
```

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



Run 3: Statistics of Indigo-1-128

Start at: 2018-01-25 22:24:33

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

Below is generated by plot.py at 2018-01-26 02:42:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.03 Mbit/s

95th percentile per-packet one-way delay: 42.474 ms

Loss rate: 0.29%

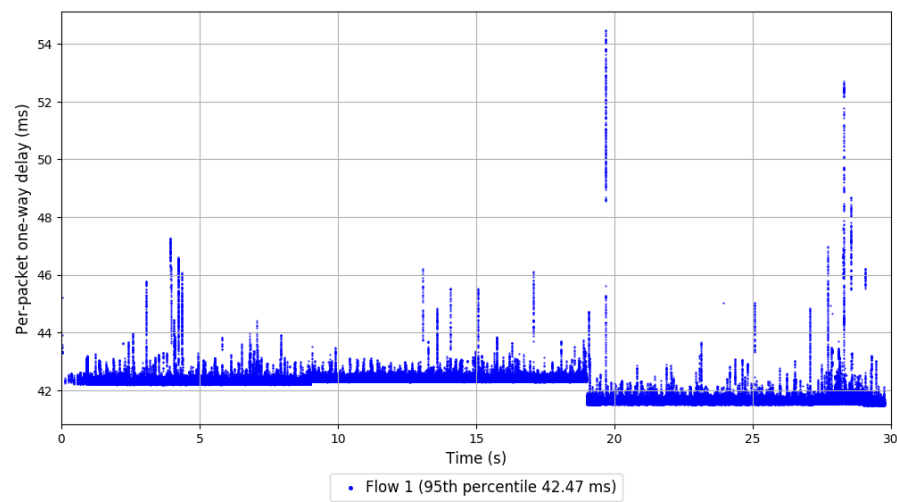
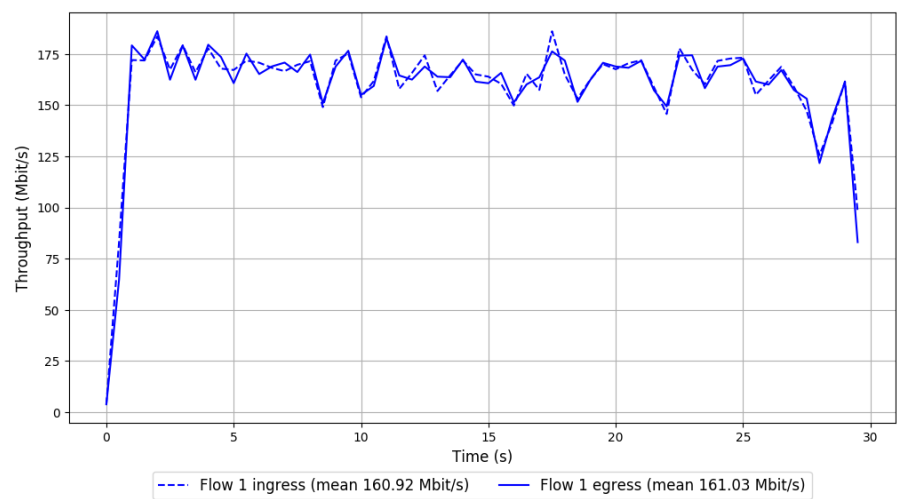
-- Flow 1:

Average throughput: 161.03 Mbit/s

95th percentile per-packet one-way delay: 42.474 ms

Loss rate: 0.29%

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



Run 4: Statistics of Indigo-1-128

Start at: 2018-01-25 22:36:31

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

Below is generated by plot.py at 2018-01-26 02:42:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.94 Mbit/s

95th percentile per-packet one-way delay: 42.365 ms

Loss rate: 0.36%

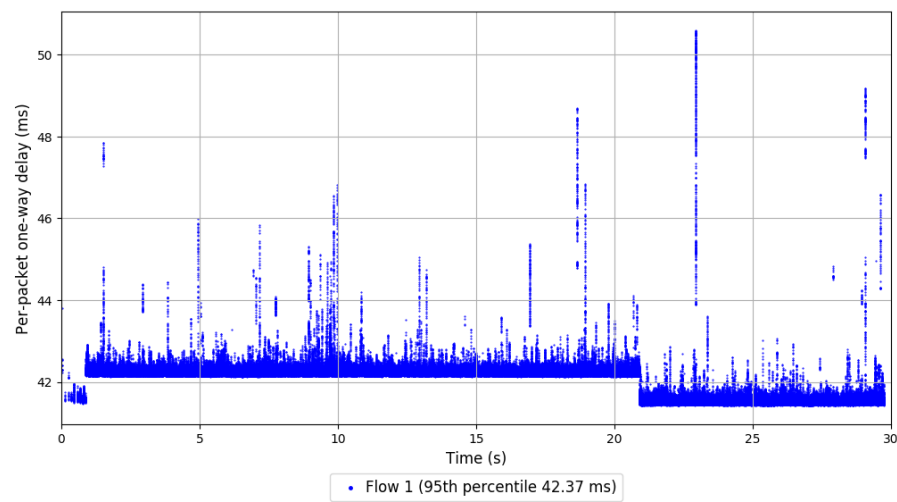
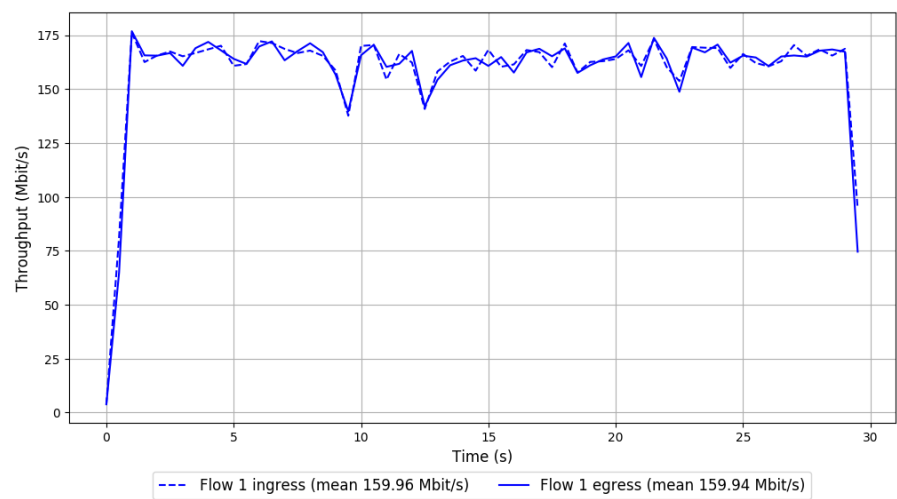
-- Flow 1:

Average throughput: 159.94 Mbit/s

95th percentile per-packet one-way delay: 42.365 ms

Loss rate: 0.36%

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



Run 5: Statistics of Indigo-1-128

Start at: 2018-01-25 22:48:10

End at: 2018-01-25 22:48:40

Below is generated by plot.py at 2018-01-26 02:42:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.86 Mbit/s

95th percentile per-packet one-way delay: 42.162 ms

Loss rate: 0.37%

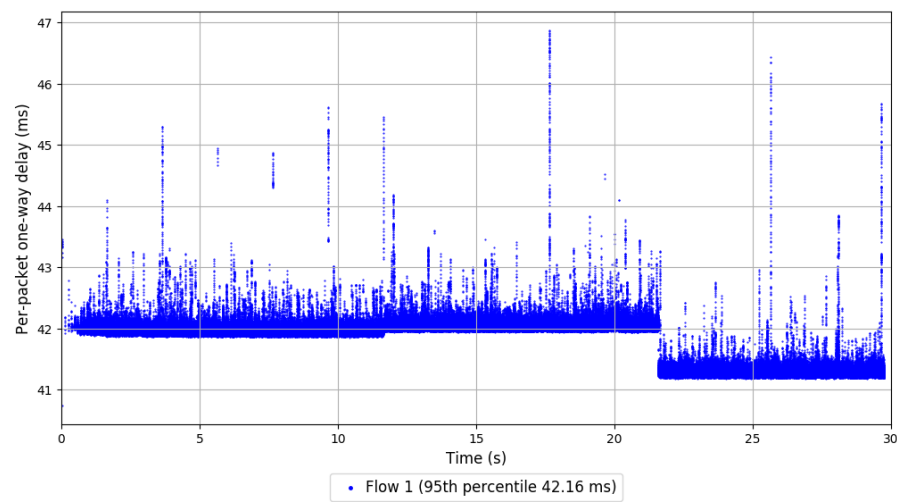
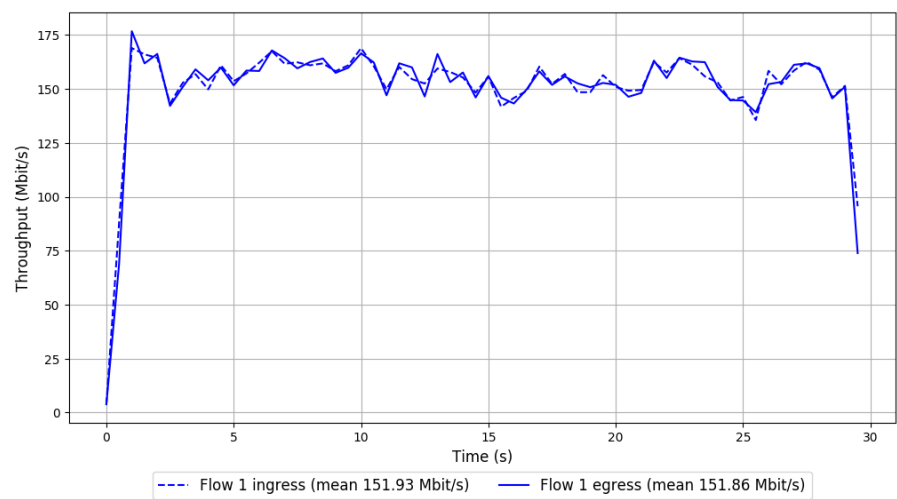
-- Flow 1:

Average throughput: 151.86 Mbit/s

95th percentile per-packet one-way delay: 42.162 ms

Loss rate: 0.37%

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



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-25 22:59:53

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

Below is generated by plot.py at 2018-01-26 02:42:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.60 Mbit/s

95th percentile per-packet one-way delay: 42.429 ms

Loss rate: 0.32%

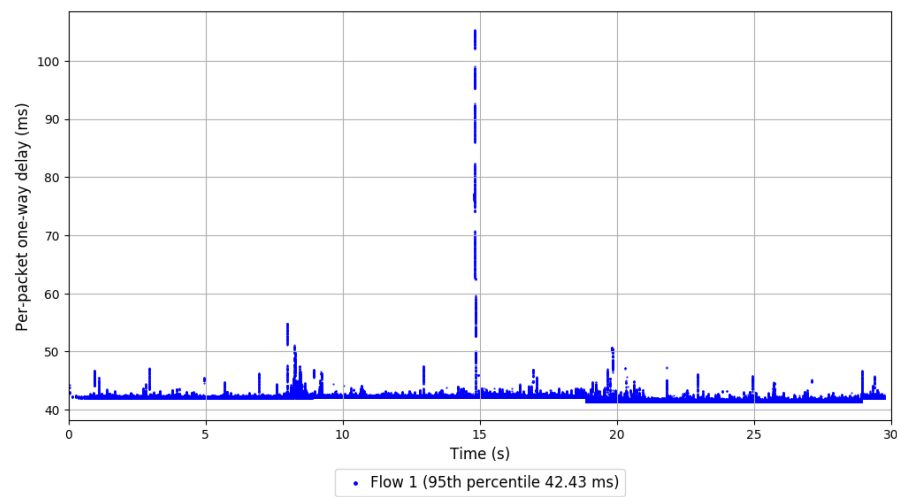
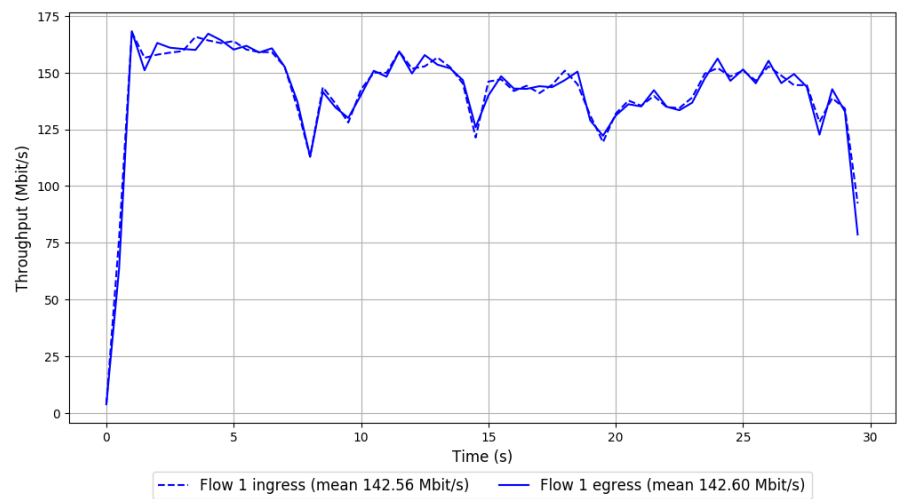
-- Flow 1:

Average throughput: 142.60 Mbit/s

95th percentile per-packet one-way delay: 42.429 ms

Loss rate: 0.32%

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

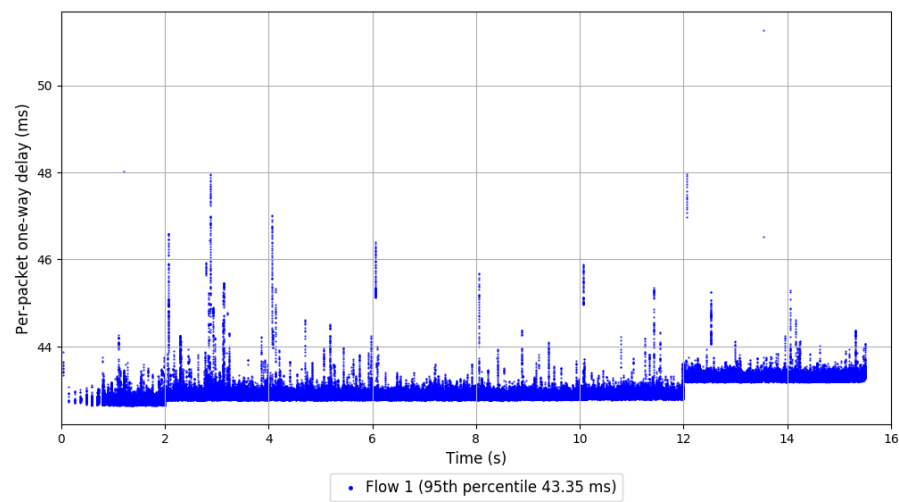
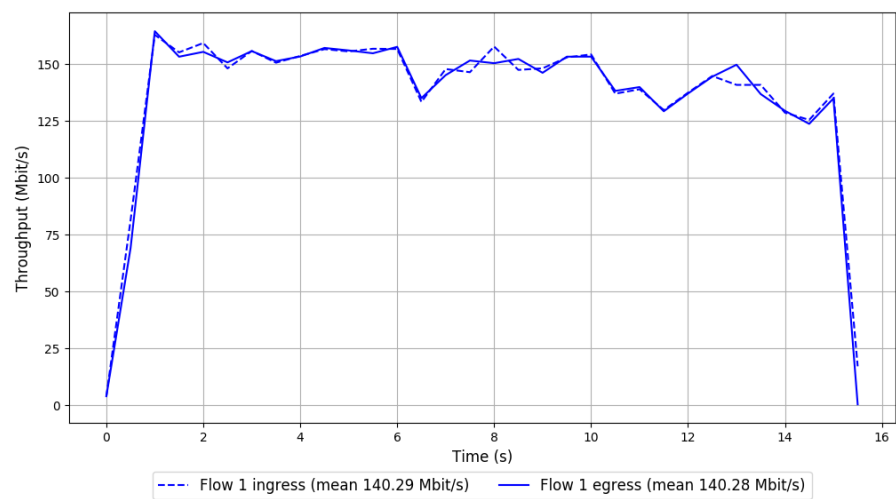


Run 7: Statistics of Indigo-1-128

Start at: 2018-01-25 23:11:36

End at: 2018-01-25 23:12:06

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



Run 8: Statistics of Indigo-1-128

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

End at: 2018-01-25 23:23:57

Below is generated by plot.py at 2018-01-26 02:43:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.72 Mbit/s

95th percentile per-packet one-way delay: 43.516 ms

Loss rate: 0.34%

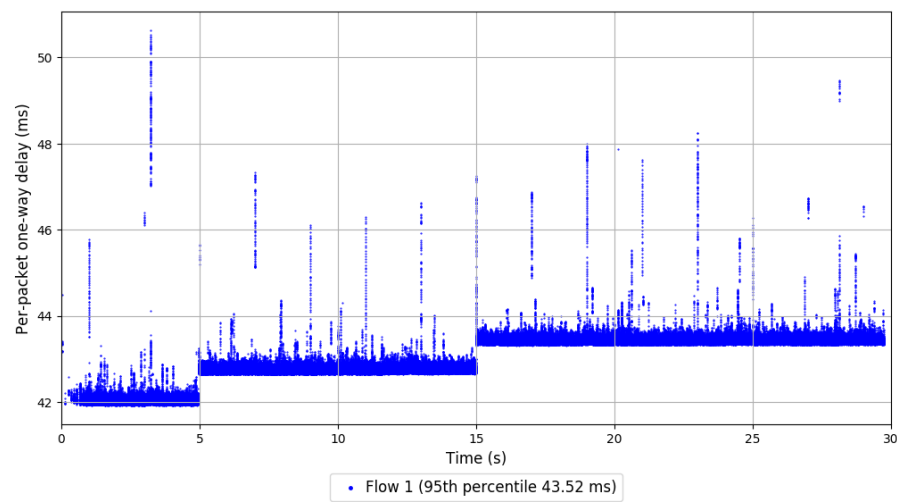
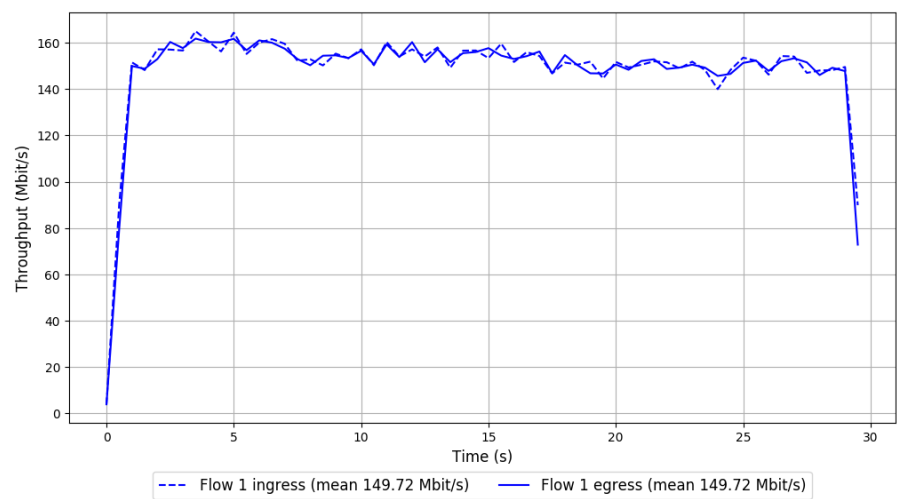
-- Flow 1:

Average throughput: 149.72 Mbit/s

95th percentile per-packet one-way delay: 43.516 ms

Loss rate: 0.34%

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



Run 9: Statistics of Indigo-1-128

Start at: 2018-01-25 23:35:18

End at: 2018-01-25 23:35:48

Below is generated by plot.py at 2018-01-26 02:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.50 Mbit/s

95th percentile per-packet one-way delay: 44.476 ms

Loss rate: 0.34%

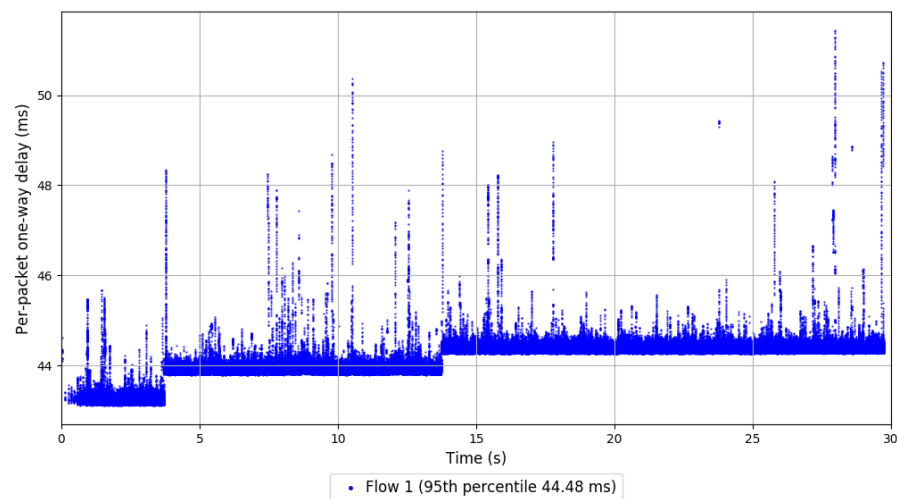
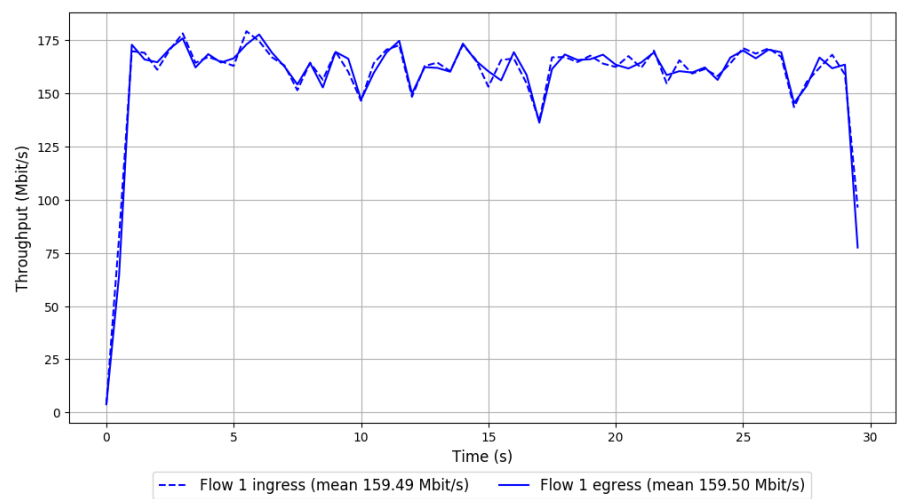
-- Flow 1:

Average throughput: 159.50 Mbit/s

95th percentile per-packet one-way delay: 44.476 ms

Loss rate: 0.34%

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



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-25 23:47:04

End at: 2018-01-25 23:47:34

Below is generated by plot.py at 2018-01-26 02:43:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.00 Mbit/s

95th percentile per-packet one-way delay: 44.776 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 153.00 Mbit/s

95th percentile per-packet one-way delay: 44.776 ms

Loss rate: 0.30%

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

