

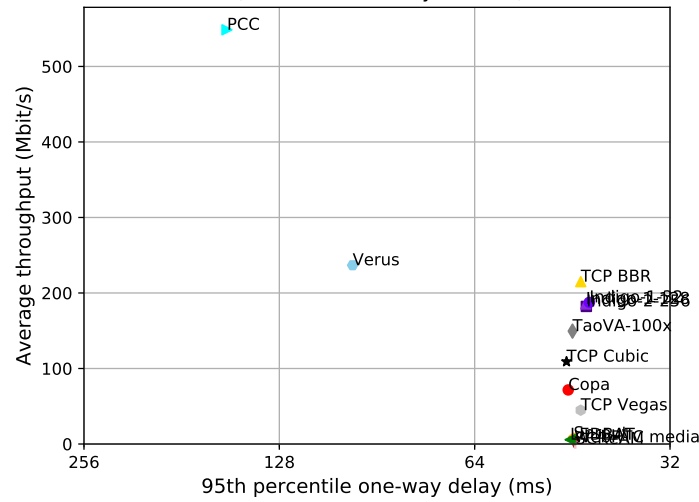
Pantheon Report

Generated at 2018-01-26 02:46:06 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE Sydney 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**).

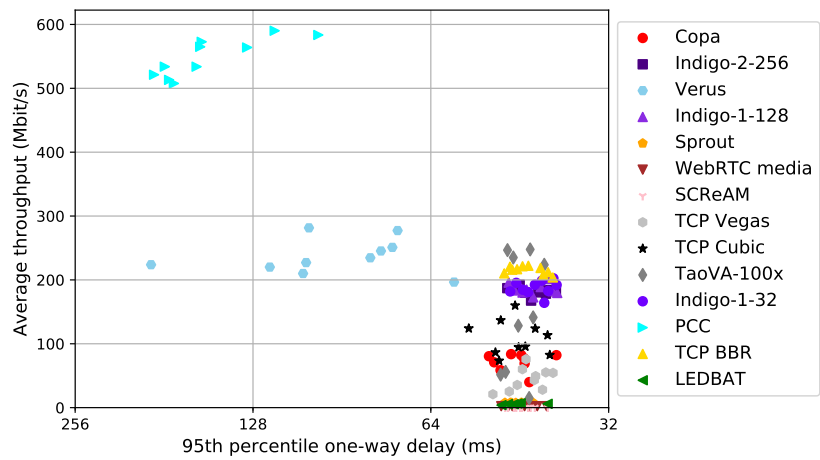
Git summary:

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

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



test from GCE Tokyo Ethernet to GCE Sydney Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	215.00	43.92	0.49
TCP Cubic	10	109.07	46.20	0.61
LEDBAT	6	5.68	45.62	2.04
PCC	10	548.52	154.12	1.84
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.21	44.79	0.37
WebRTC media	10	2.28	44.96	0.40
Sprout	10	7.65	45.06	0.98
TaoVA-100x	9	149.49	45.23	0.41
TCP Vegas	10	44.77	43.94	1.22
Verus	10	236.73	98.70	1.44
Copa	9	71.62	45.92	0.43
Indigo-2-256	10	182.21	43.06	0.39
Indigo-1-32	10	187.56	42.60	0.41
Indigo-1-128	10	185.53	43.14	0.38

Run 1: Statistics of TCP BBR

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 02:05:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.84 Mbit/s

95th percentile per-packet one-way delay: 39.776 ms

Loss rate: 0.88%

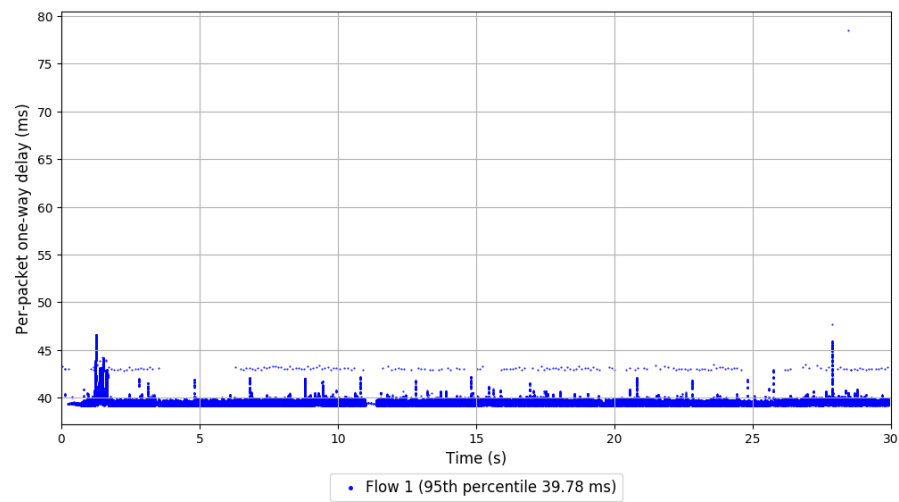
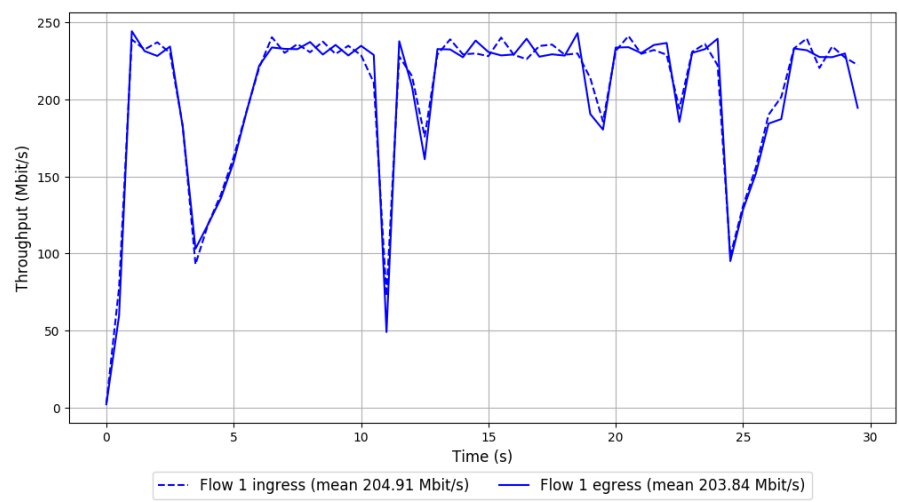
-- Flow 1:

Average throughput: 203.84 Mbit/s

95th percentile per-packet one-way delay: 39.776 ms

Loss rate: 0.88%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

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

End at: 2018-01-25 22:23:06

Below is generated by plot.py at 2018-01-26 02:06:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.11 Mbit/s

95th percentile per-packet one-way delay: 40.518 ms

Loss rate: 0.84%

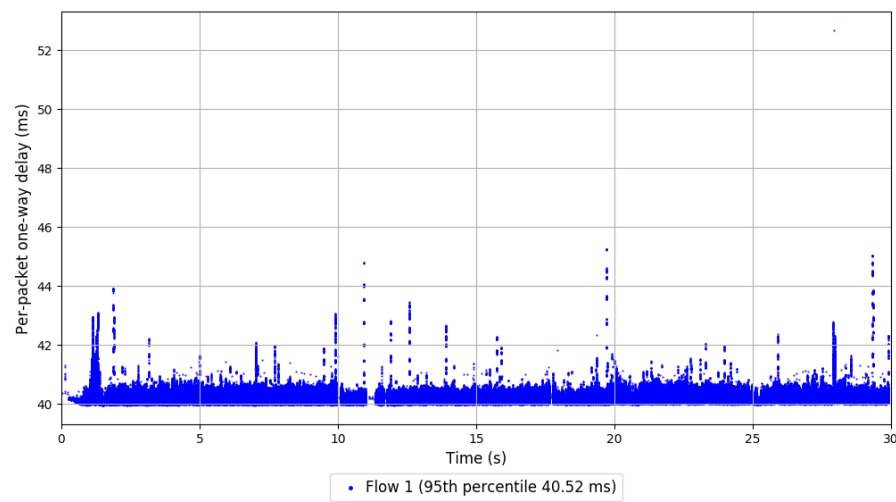
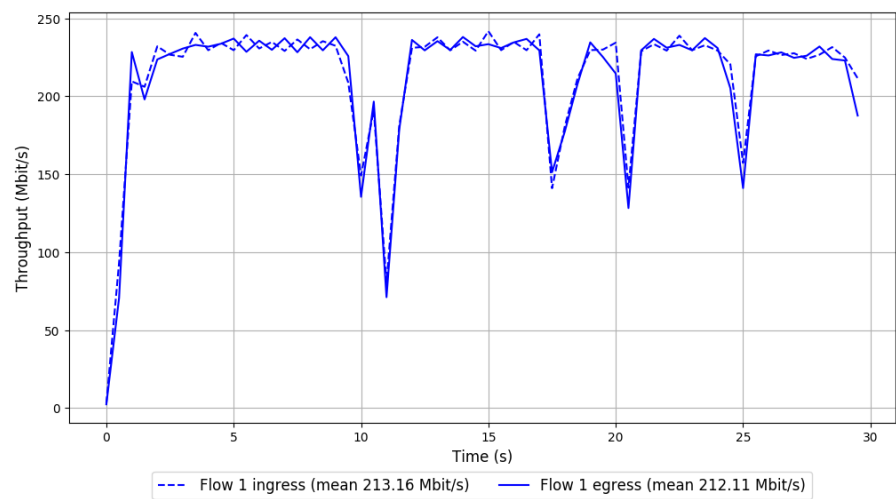
-- Flow 1:

Average throughput: 212.11 Mbit/s

95th percentile per-packet one-way delay: 40.518 ms

Loss rate: 0.84%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-25 22:34:38

End at: 2018-01-25 22:35:08

Below is generated by plot.py at 2018-01-26 02:06:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.02 Mbit/s

95th percentile per-packet one-way delay: 41.277 ms

Loss rate: 0.38%

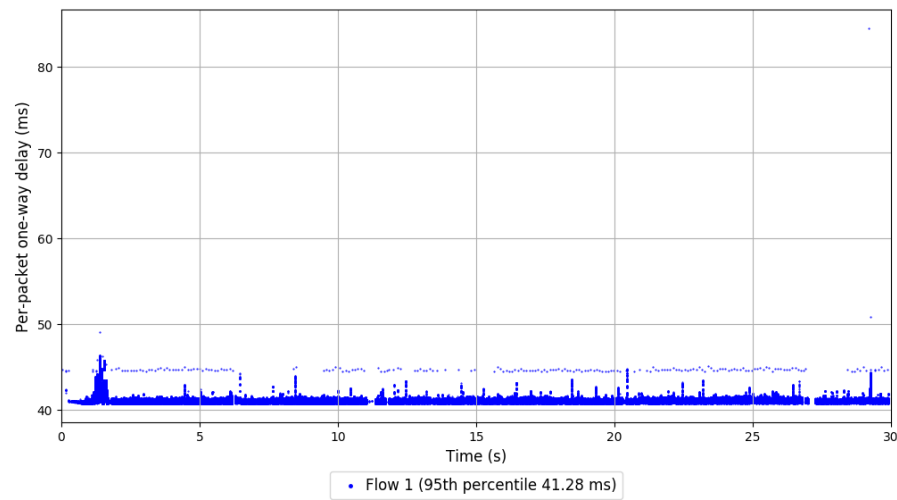
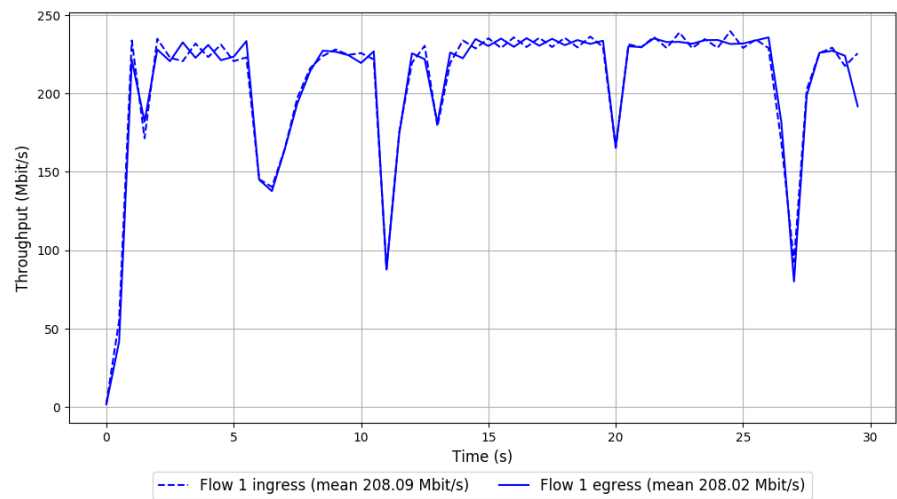
-- Flow 1:

Average throughput: 208.02 Mbit/s

95th percentile per-packet one-way delay: 41.277 ms

Loss rate: 0.38%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-25 22:46:14

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

Below is generated by plot.py at 2018-01-26 02:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.73 Mbit/s

95th percentile per-packet one-way delay: 41.724 ms

Loss rate: 0.34%

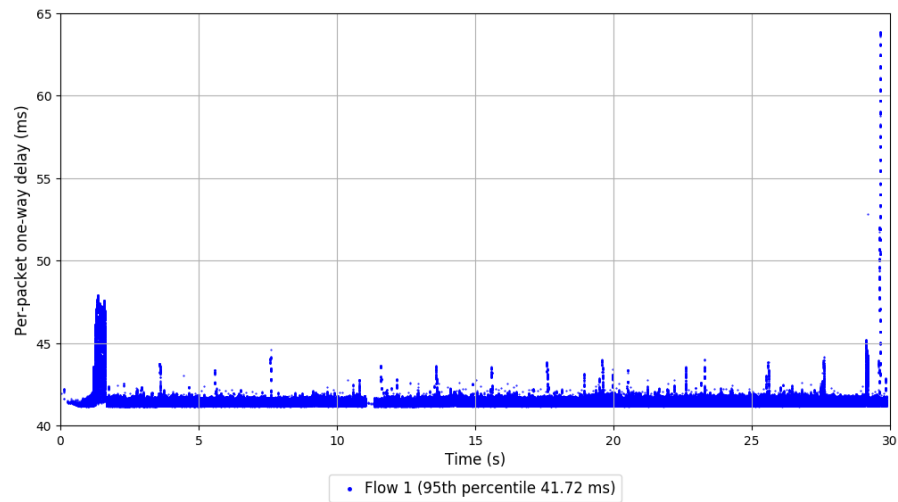
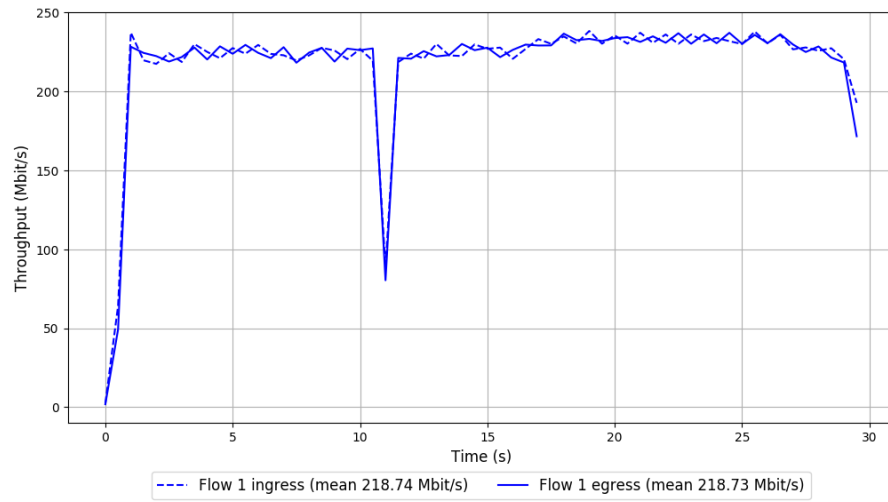
-- Flow 1:

Average throughput: 218.73 Mbit/s

95th percentile per-packet one-way delay: 41.724 ms

Loss rate: 0.34%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-25 22:58:13

End at: 2018-01-25 22:58:43

Below is generated by plot.py at 2018-01-26 02:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.07 Mbit/s

95th percentile per-packet one-way delay: 46.591 ms

Loss rate: 0.38%

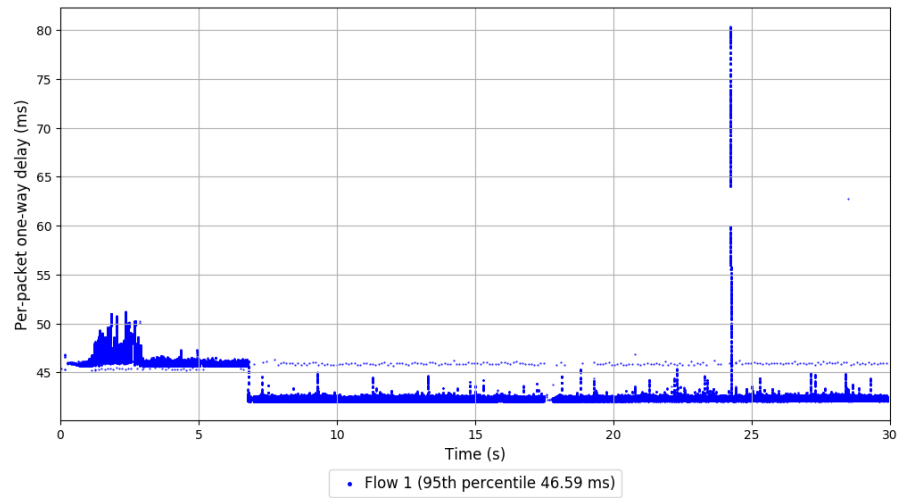
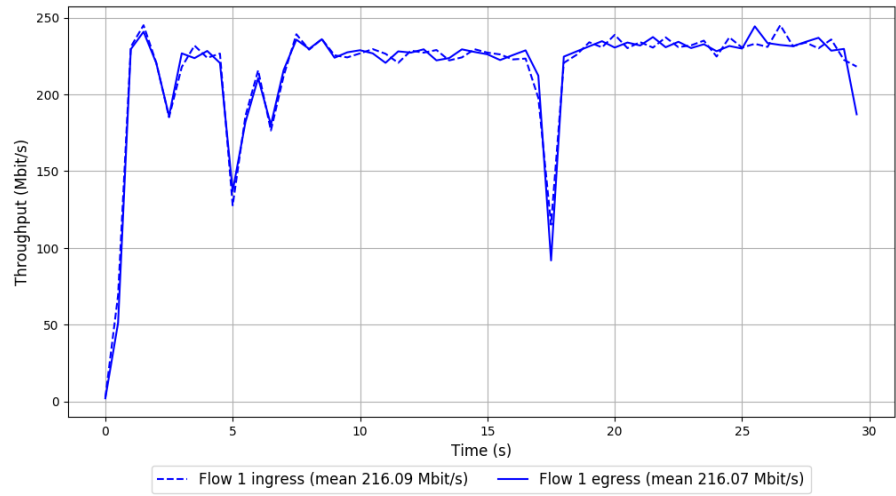
-- Flow 1:

Average throughput: 216.07 Mbit/s

95th percentile per-packet one-way delay: 46.591 ms

Loss rate: 0.38%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

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

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

Below is generated by plot.py at 2018-01-26 02:06:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.14 Mbit/s

95th percentile per-packet one-way delay: 43.760 ms

Loss rate: 0.36%

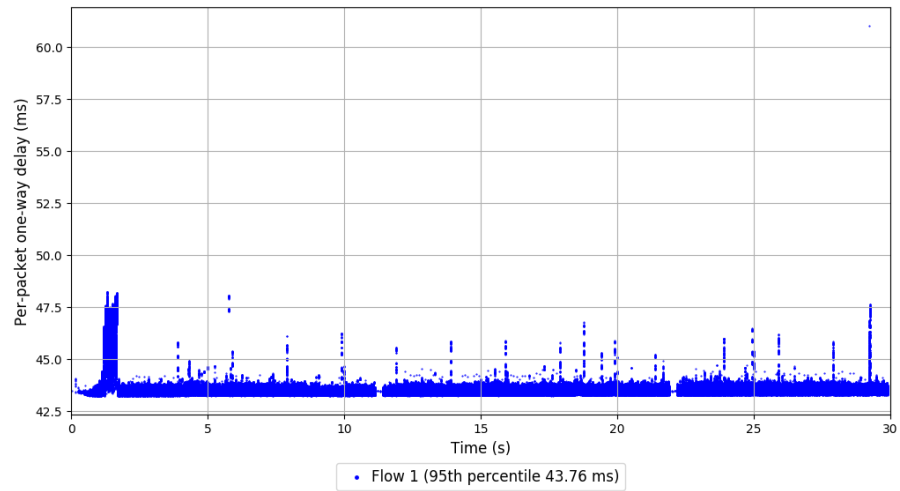
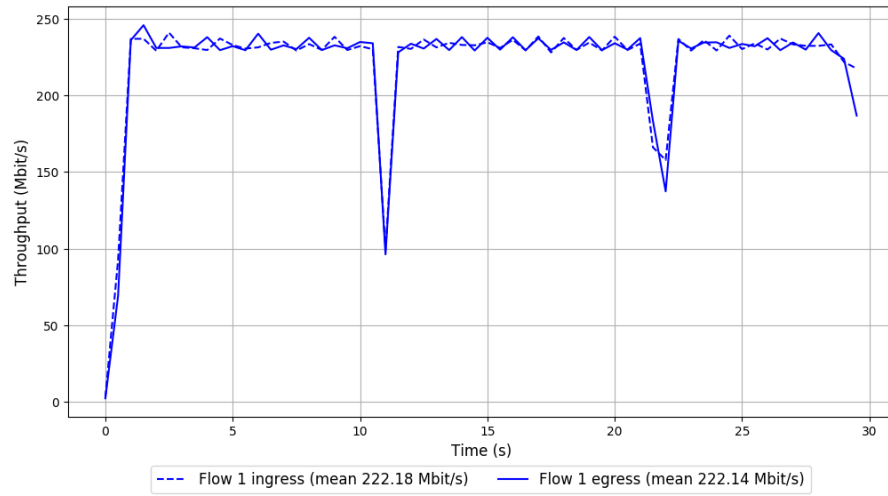
-- Flow 1:

Average throughput: 222.14 Mbit/s

95th percentile per-packet one-way delay: 43.760 ms

Loss rate: 0.36%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

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

End at: 2018-01-25 23:22:47

Below is generated by plot.py at 2018-01-26 02:06:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.37 Mbit/s

95th percentile per-packet one-way delay: 44.764 ms

Loss rate: 0.35%

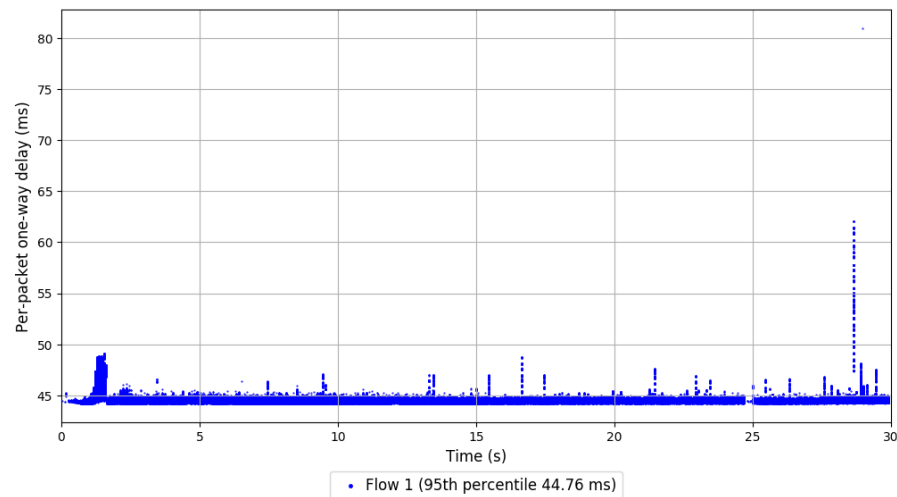
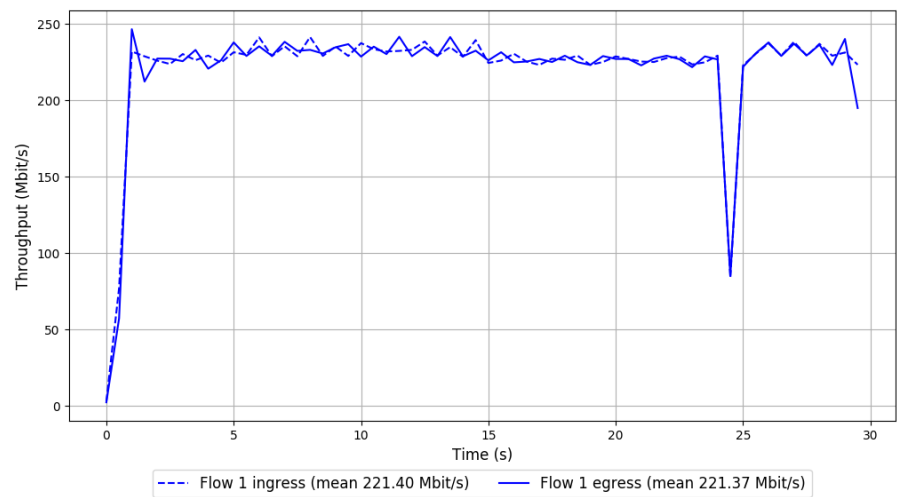
-- Flow 1:

Average throughput: 221.37 Mbit/s

95th percentile per-packet one-way delay: 44.764 ms

Loss rate: 0.35%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-25 23:34:00

End at: 2018-01-25 23:34:30

Below is generated by plot.py at 2018-01-26 02:06:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.80 Mbit/s

95th percentile per-packet one-way delay: 45.729 ms

Loss rate: 0.36%

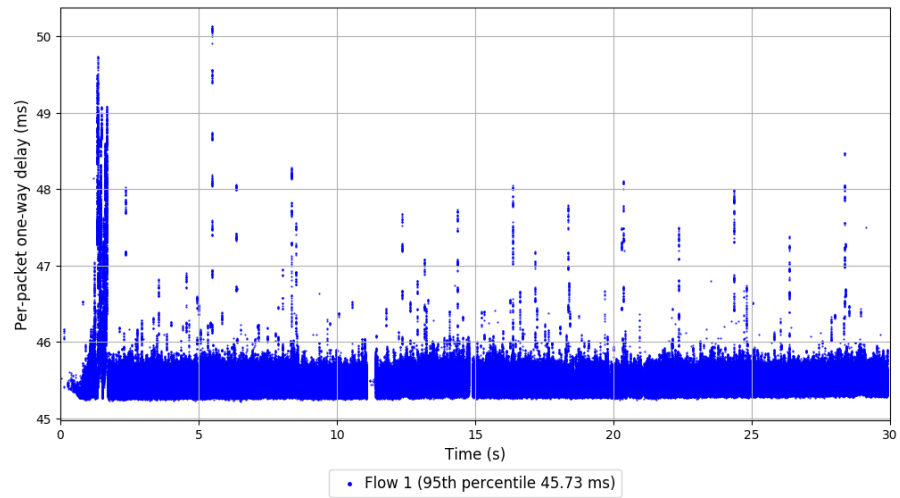
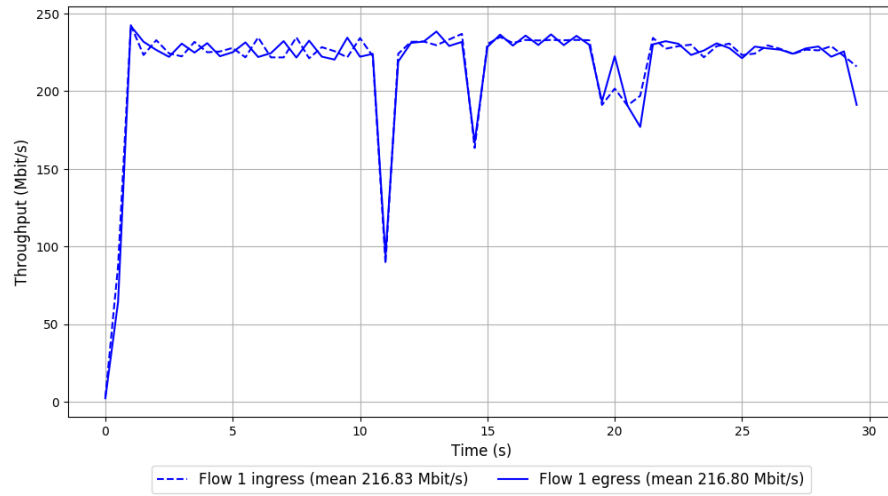
-- Flow 1:

Average throughput: 216.80 Mbit/s

95th percentile per-packet one-way delay: 45.729 ms

Loss rate: 0.36%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-25 23:46:00

End at: 2018-01-25 23:46:30

Below is generated by plot.py at 2018-01-26 02:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.69 Mbit/s

95th percentile per-packet one-way delay: 47.012 ms

Loss rate: 0.37%

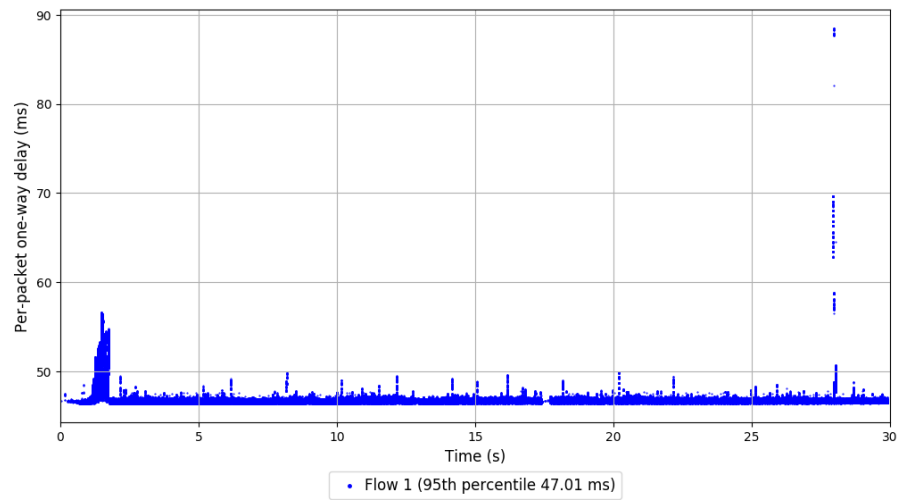
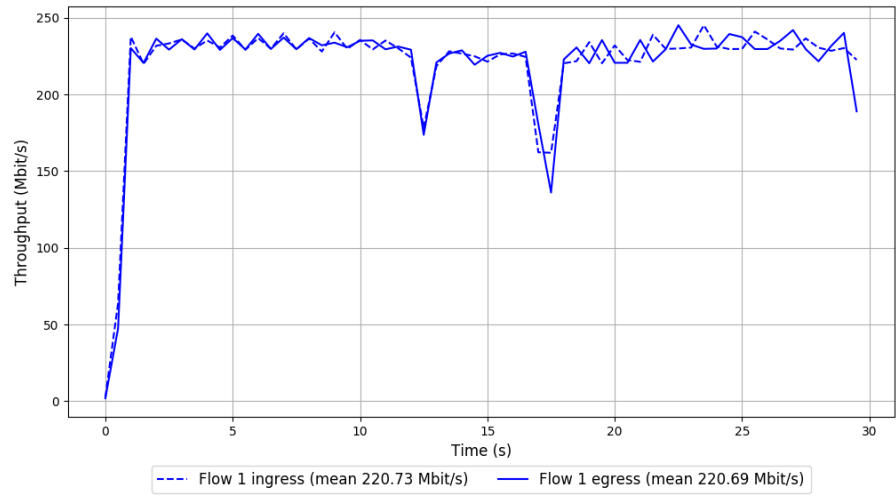
-- Flow 1:

Average throughput: 220.69 Mbit/s

95th percentile per-packet one-way delay: 47.012 ms

Loss rate: 0.37%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-25 23:58:06

End at: 2018-01-25 23:58:36

Below is generated by plot.py at 2018-01-26 02:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.23 Mbit/s

95th percentile per-packet one-way delay: 48.068 ms

Loss rate: 0.64%

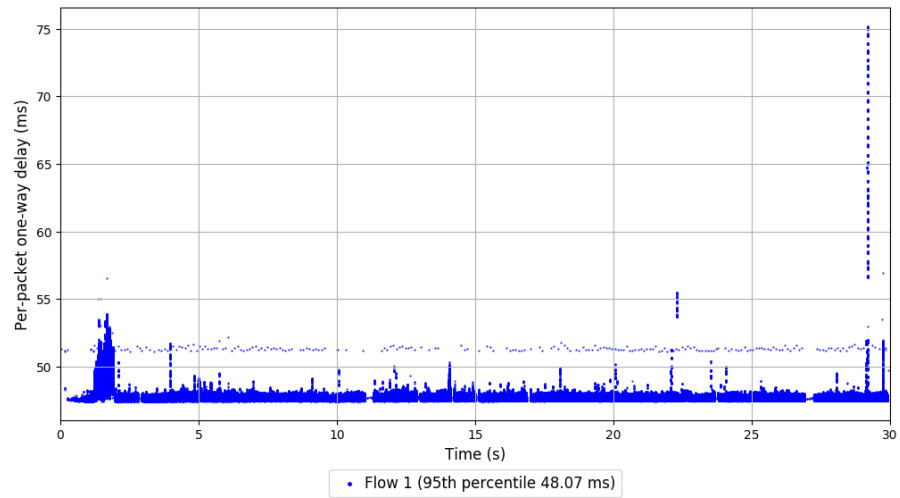
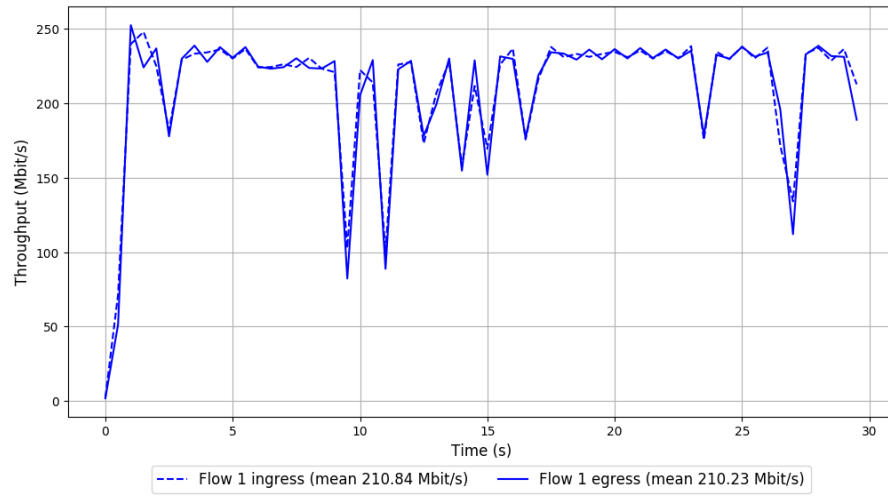
-- Flow 1:

Average throughput: 210.23 Mbit/s

95th percentile per-packet one-way delay: 48.068 ms

Loss rate: 0.64%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-25 21:59:36

End at: 2018-01-25 22:00:06

Below is generated by plot.py at 2018-01-26 02:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 40.254 ms

Loss rate: 1.21%

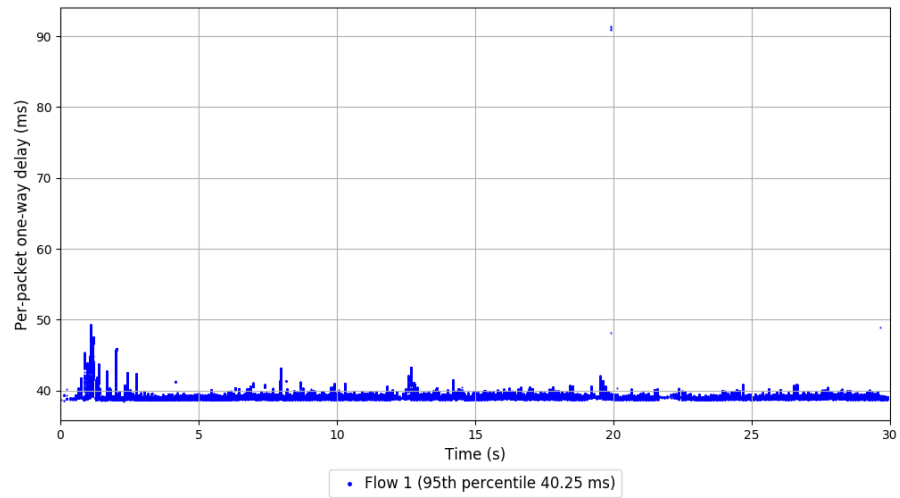
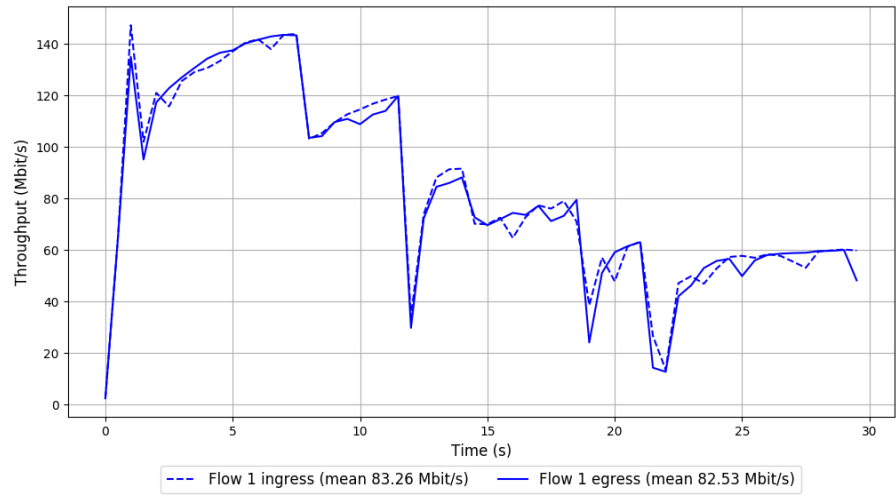
-- Flow 1:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 40.254 ms

Loss rate: 1.21%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-25 22:11:32

End at: 2018-01-25 22:12:02

Below is generated by plot.py at 2018-01-26 02:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.43 Mbit/s

95th percentile per-packet one-way delay: 40.602 ms

Loss rate: 0.66%

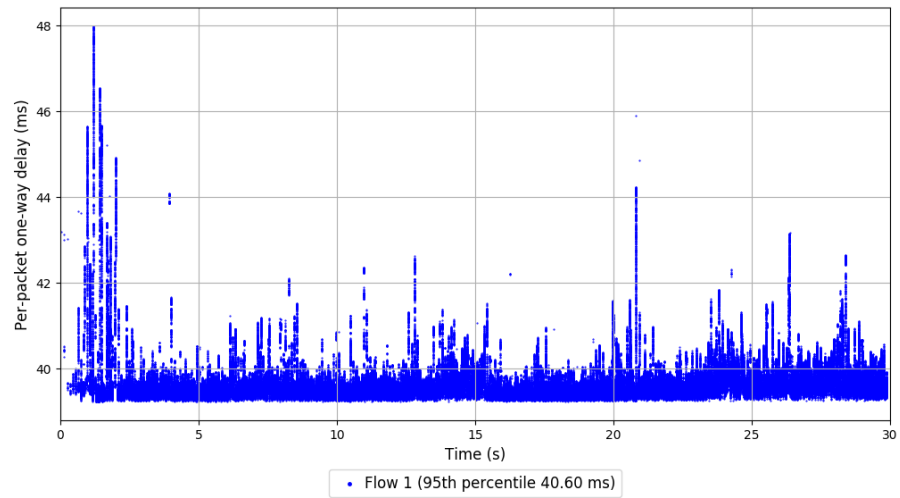
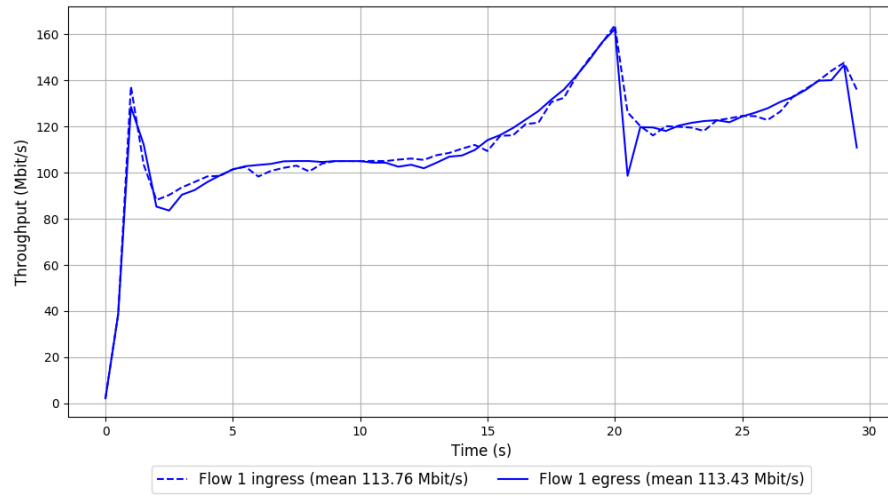
-- Flow 1:

Average throughput: 113.43 Mbit/s

95th percentile per-packet one-way delay: 40.602 ms

Loss rate: 0.66%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

End at: 2018-01-25 22:23:55

Below is generated by plot.py at 2018-01-26 02:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.90 Mbit/s

95th percentile per-packet one-way delay: 46.075 ms

Loss rate: 0.21%

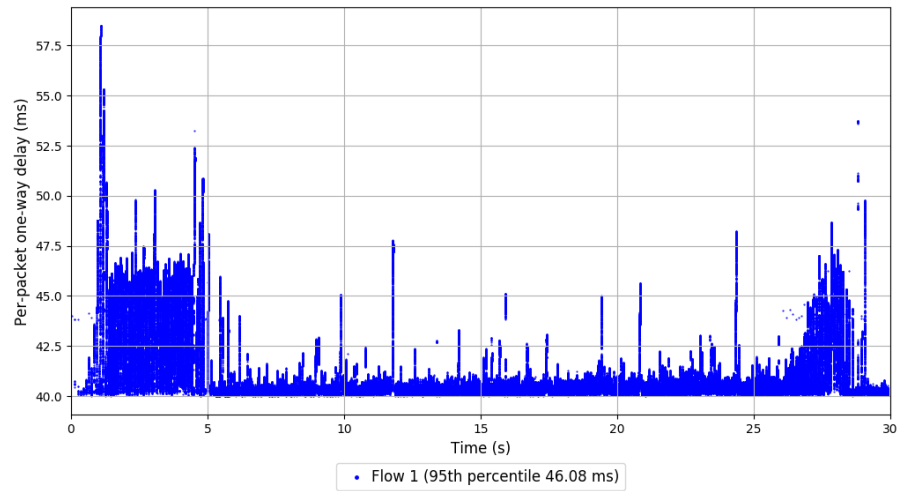
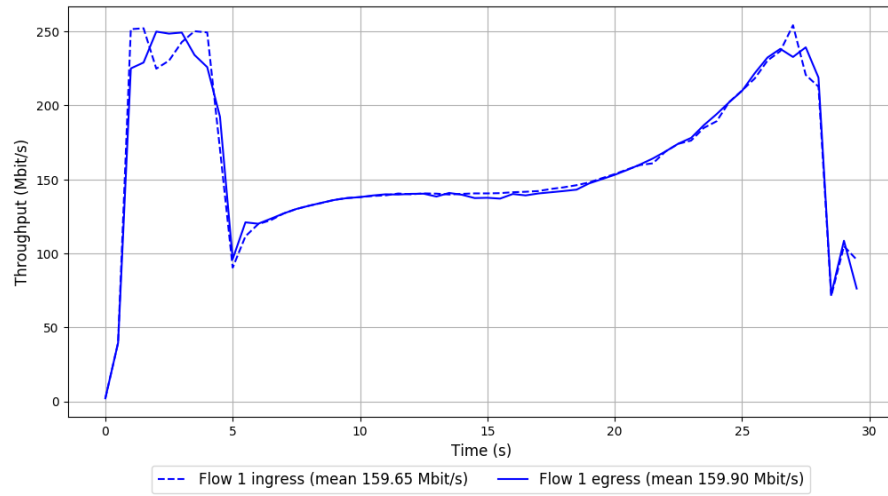
-- Flow 1:

Average throughput: 159.90 Mbit/s

95th percentile per-packet one-way delay: 46.075 ms

Loss rate: 0.21%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-25 22:35:26

End at: 2018-01-25 22:35:56

Below is generated by plot.py at 2018-01-26 02:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.61 Mbit/s

95th percentile per-packet one-way delay: 45.456 ms

Loss rate: 0.61%

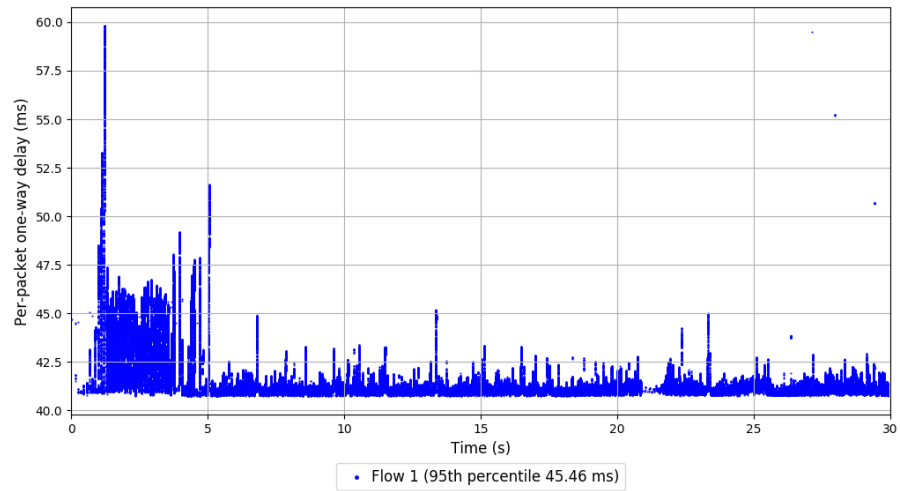
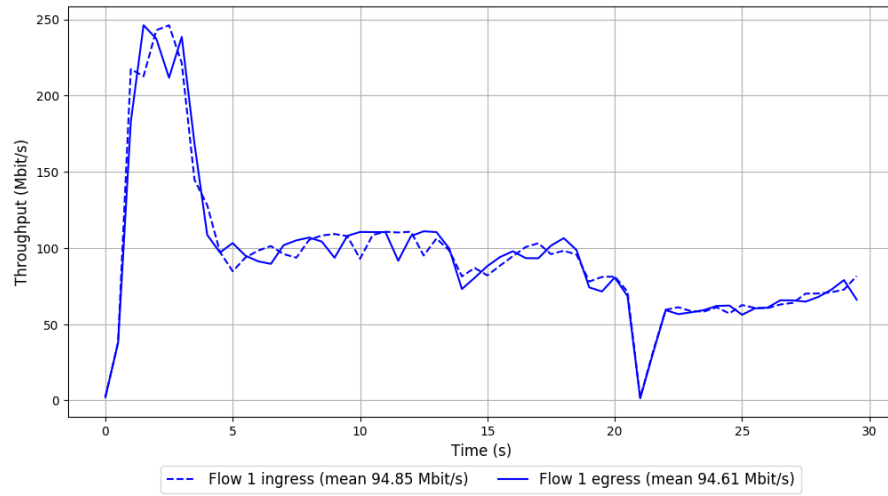
-- Flow 1:

Average throughput: 94.61 Mbit/s

95th percentile per-packet one-way delay: 45.456 ms

Loss rate: 0.61%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-25 22:47:03

End at: 2018-01-25 22:47:33

Below is generated by plot.py at 2018-01-26 02:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.84 Mbit/s

95th percentile per-packet one-way delay: 42.603 ms

Loss rate: 0.70%

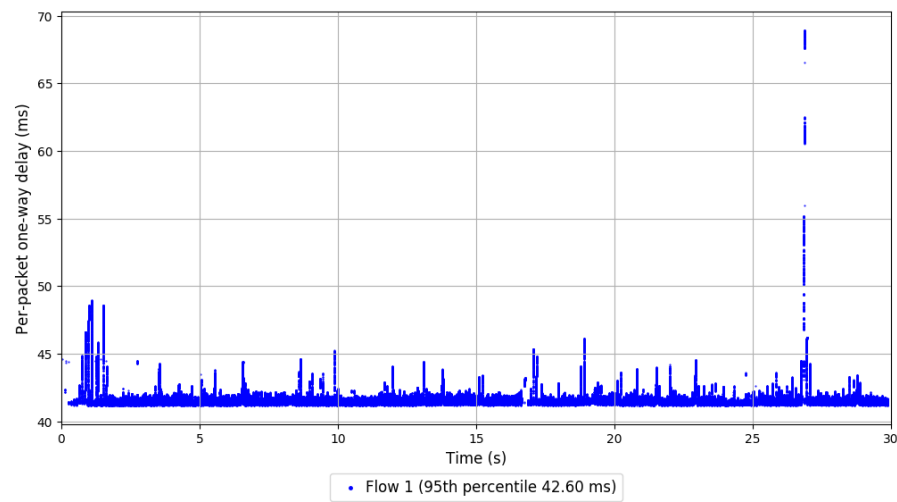
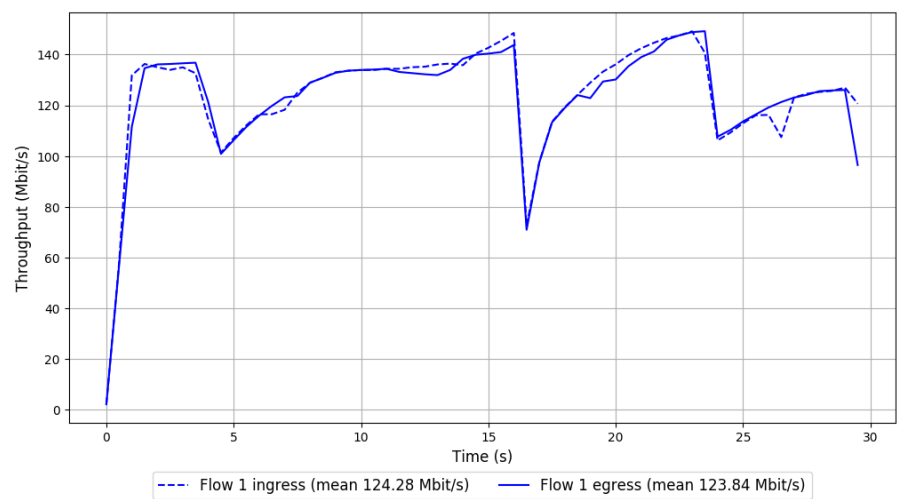
-- Flow 1:

Average throughput: 123.84 Mbit/s

95th percentile per-packet one-way delay: 42.603 ms

Loss rate: 0.70%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

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

End at: 2018-01-25 22:59:31

Below is generated by plot.py at 2018-01-26 02:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 44.277 ms

Loss rate: 0.55%

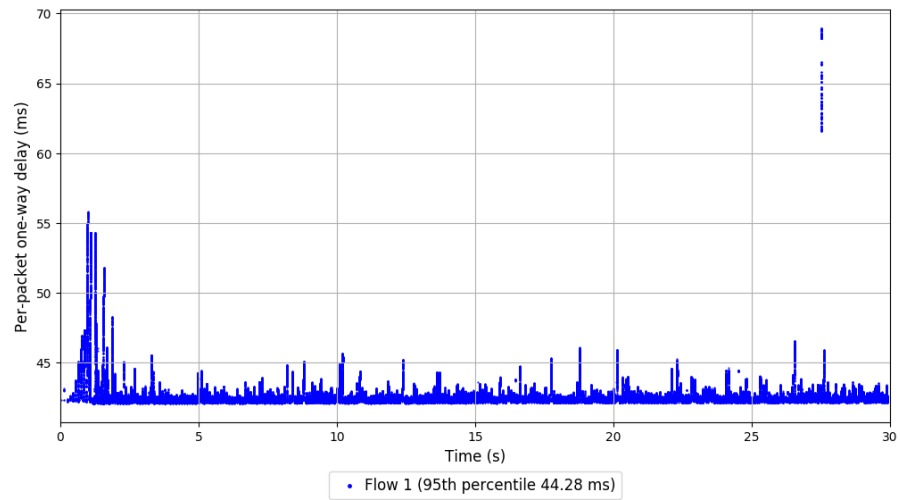
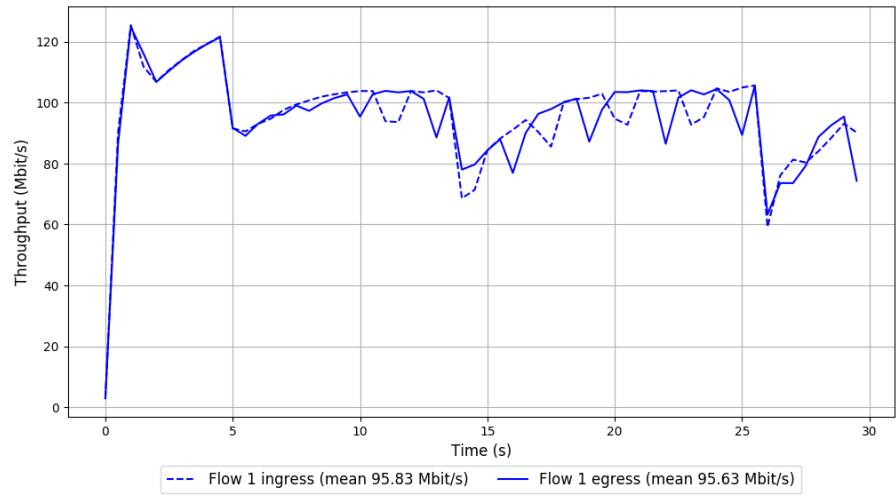
-- Flow 1:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 44.277 ms

Loss rate: 0.55%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-25 23:11:13

End at: 2018-01-25 23:11:43

Below is generated by plot.py at 2018-01-26 02:09:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.76 Mbit/s

95th percentile per-packet one-way delay: 48.732 ms

Loss rate: 0.26%

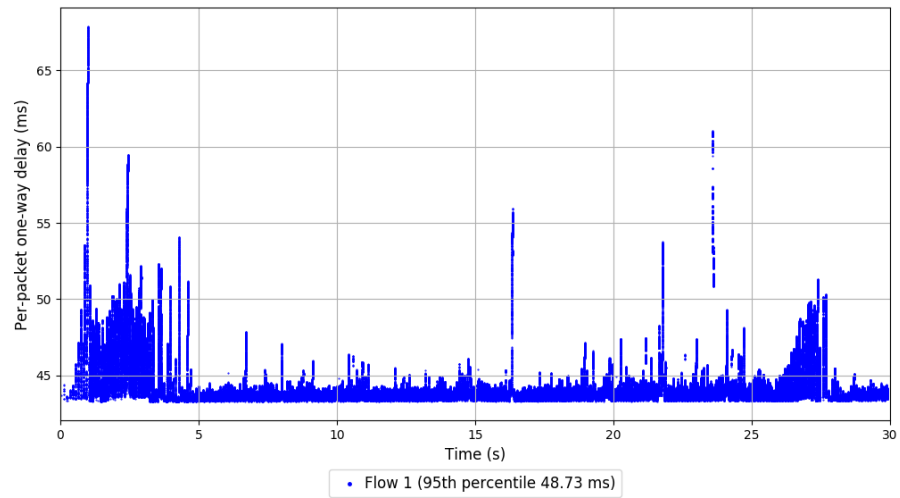
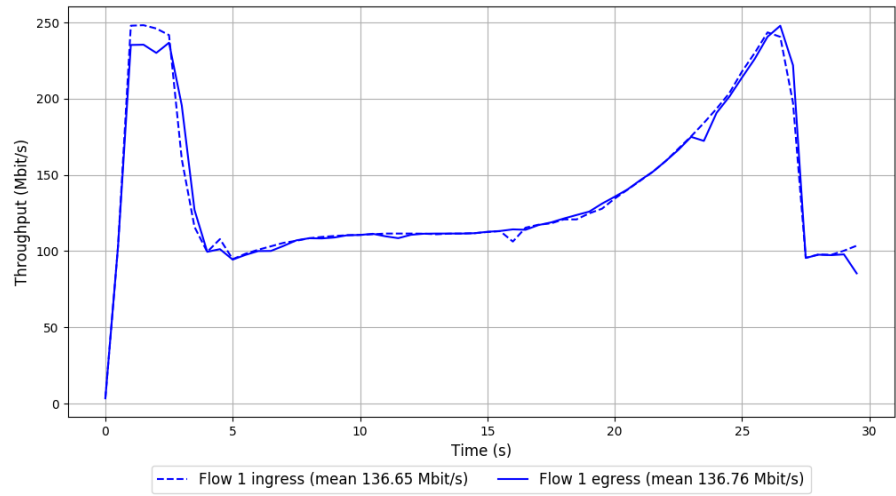
-- Flow 1:

Average throughput: 136.76 Mbit/s

95th percentile per-packet one-way delay: 48.732 ms

Loss rate: 0.26%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

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

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

Below is generated by plot.py at 2018-01-26 02:09:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.47 Mbit/s

95th percentile per-packet one-way delay: 49.043 ms

Loss rate: 0.47%

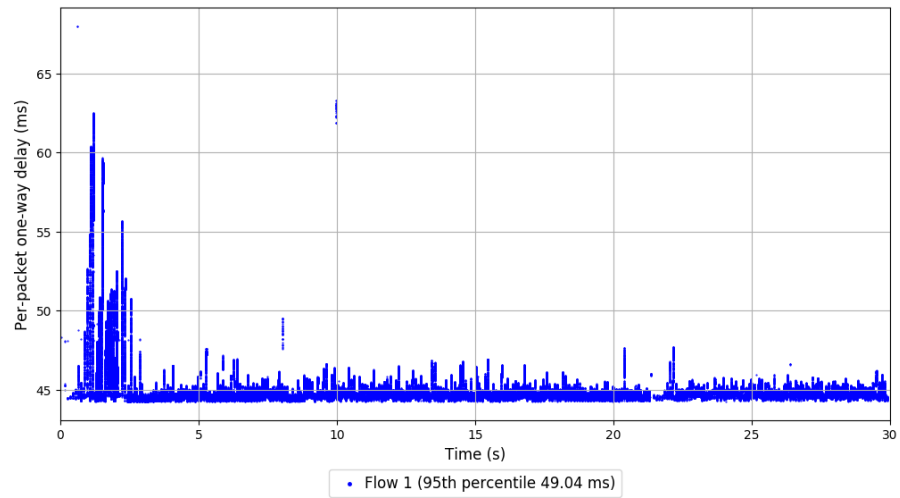
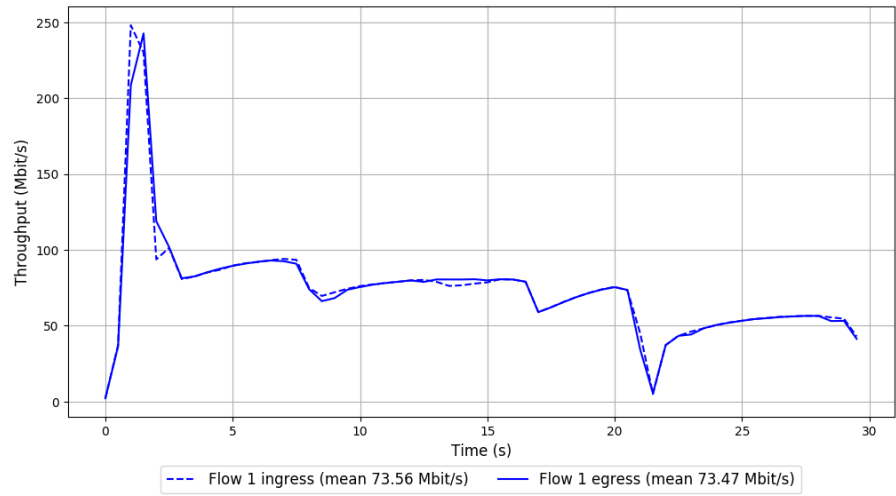
-- Flow 1:

Average throughput: 73.47 Mbit/s

95th percentile per-packet one-way delay: 49.043 ms

Loss rate: 0.47%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-25 23:34:48

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

Below is generated by plot.py at 2018-01-26 02:09:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 49.750 ms

Loss rate: 0.34%

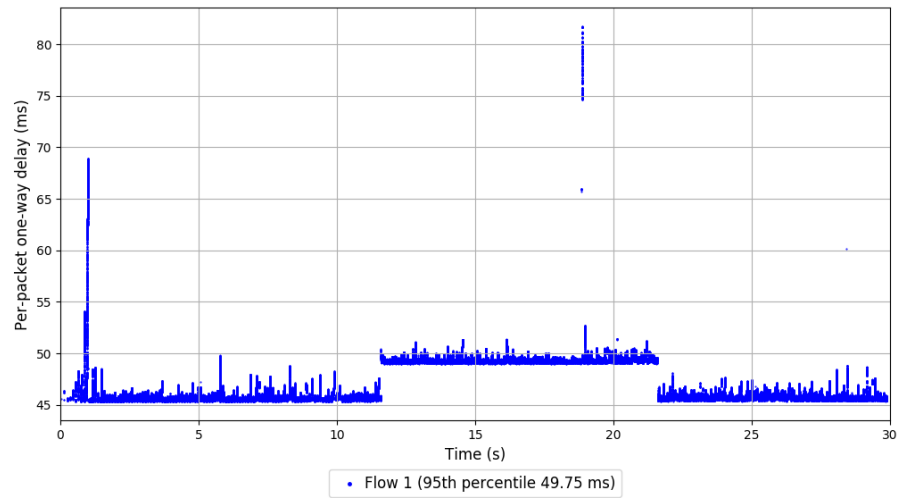
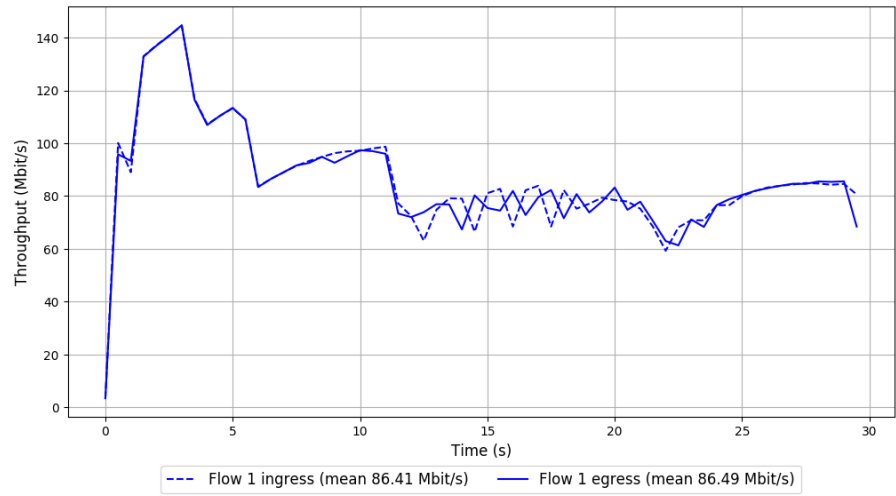
-- Flow 1:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 49.750 ms

Loss rate: 0.34%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-25 23:46:49

End at: 2018-01-25 23:47:19

Below is generated by plot.py at 2018-01-26 02:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.04 Mbit/s

95th percentile per-packet one-way delay: 55.200 ms

Loss rate: 1.10%

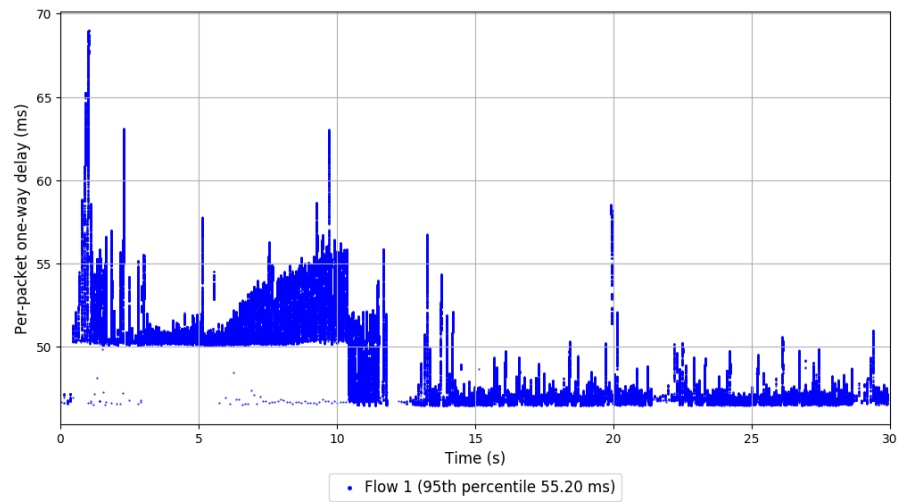
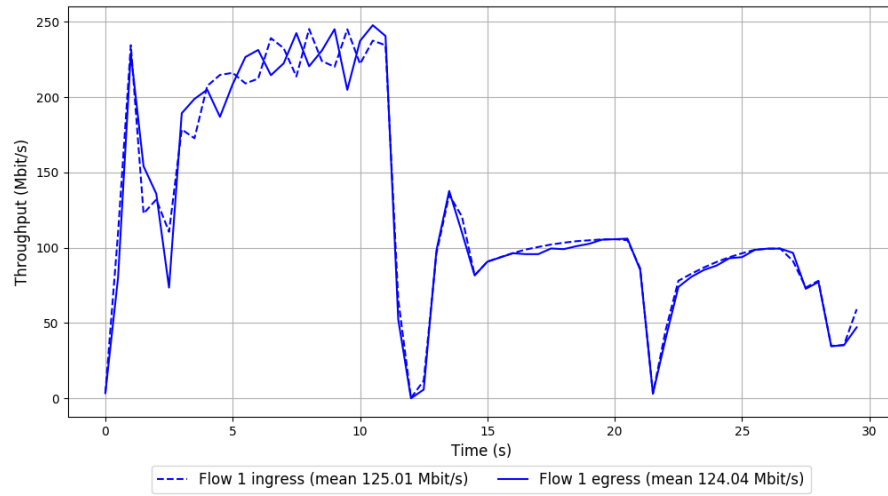
-- Flow 1:

Average throughput: 124.04 Mbit/s

95th percentile per-packet one-way delay: 55.200 ms

Loss rate: 1.10%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-01-25 22:09:18

End at: 2018-01-25 22:09:48

Run 1: Report of LEDBAT — Data Link

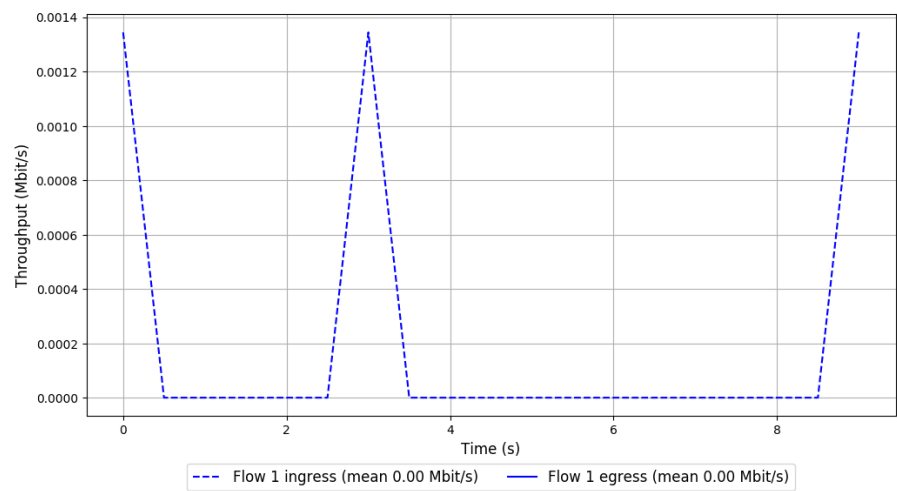


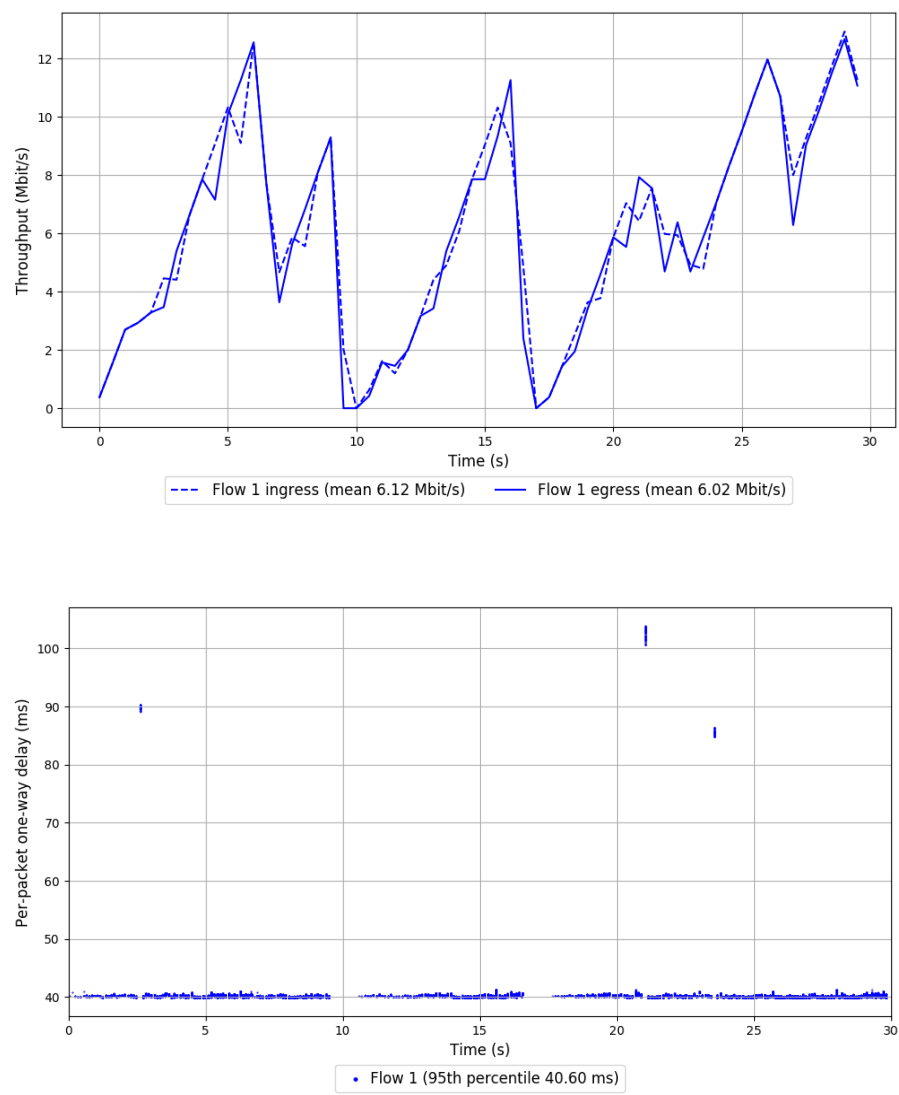
Figure is missing

```
Run 2: Statistics of LEDBAT

Start at: 2018-01-25 22:21:09
End at: 2018-01-25 22:21:39

# Below is generated by plot.py at 2018-01-26 02:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 40.597 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 40.597 ms
Loss rate: 2.01%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-25 22:33:14

End at: 2018-01-25 22:33:44

Run 3: Report of LEDBAT — Data Link

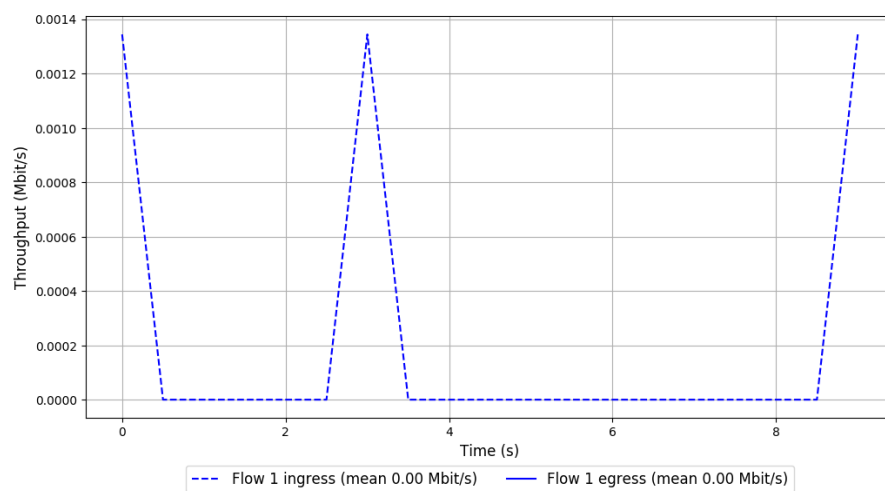


Figure is missing

Run 4: Statistics of LEDBAT

Start at: 2018-01-25 22:44:54

End at: 2018-01-25 22:45:24

Below is generated by plot.py at 2018-01-26 02:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.41 Mbit/s

95th percentile per-packet one-way delay: 45.672 ms

Loss rate: 1.41%

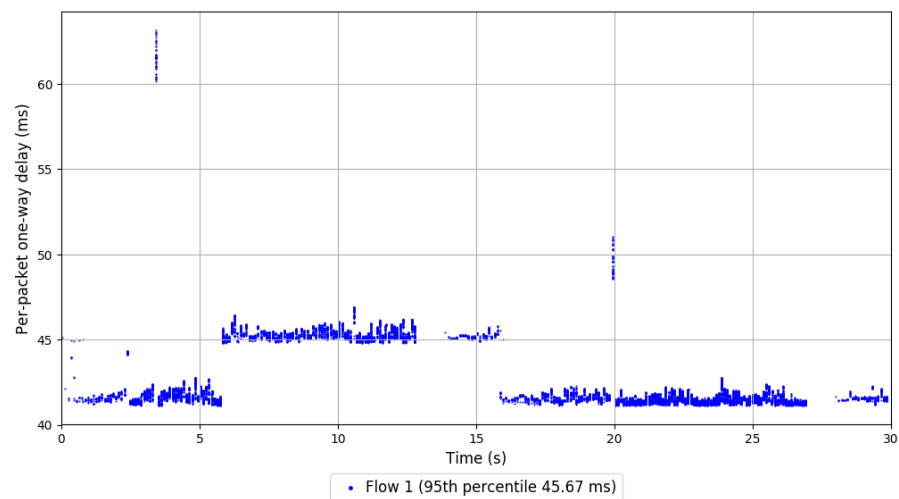
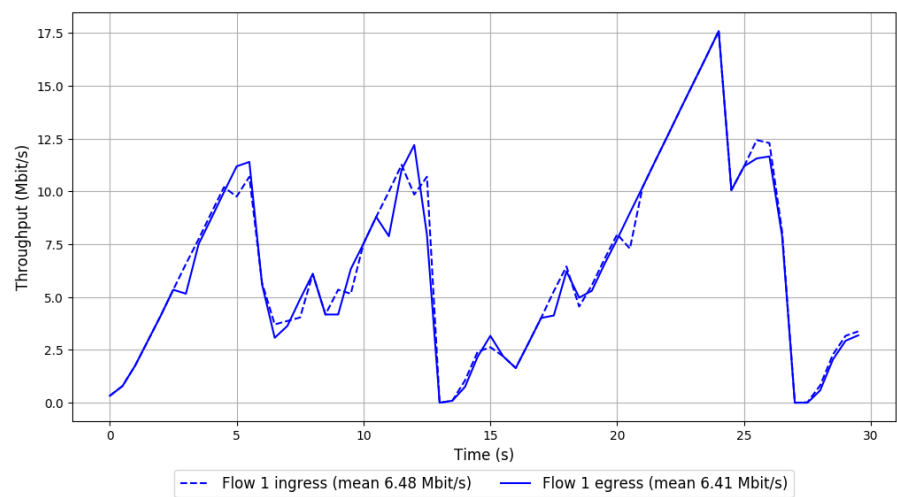
-- Flow 1:

Average throughput: 6.41 Mbit/s

95th percentile per-packet one-way delay: 45.672 ms

Loss rate: 1.41%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-25 22:56:49

End at: 2018-01-25 22:57:19

Run 5: Report of LEDBAT — Data Link

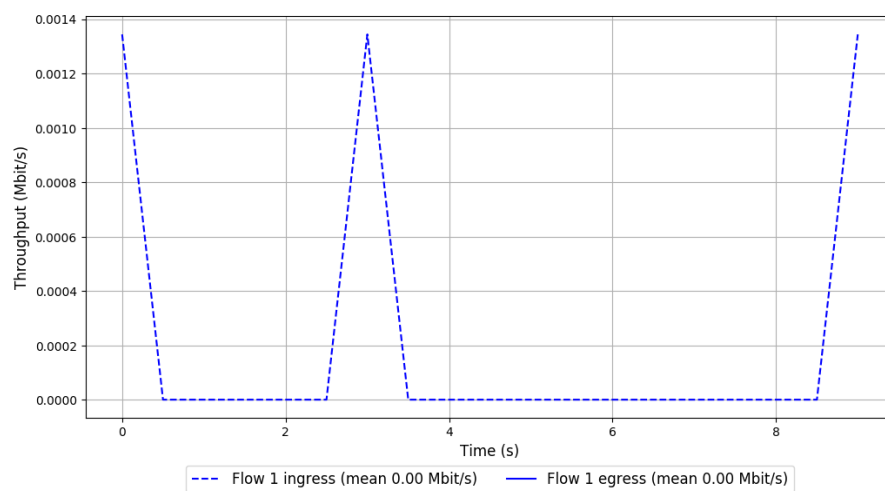


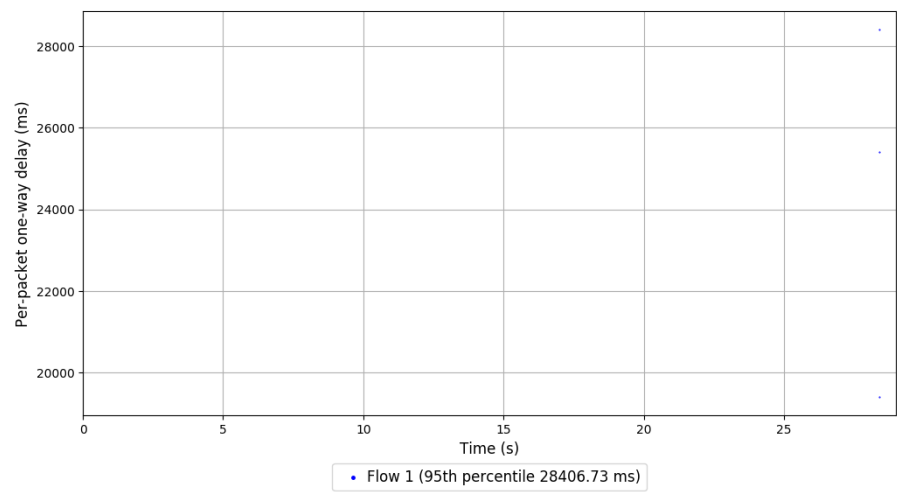
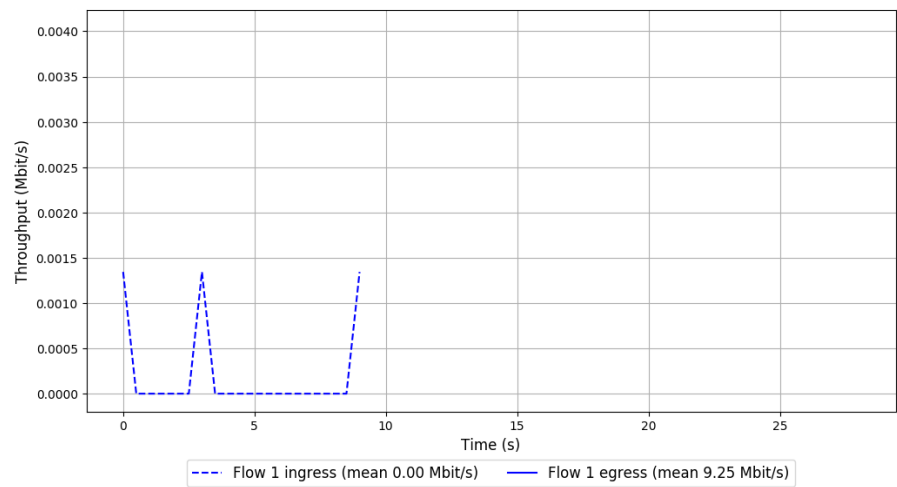
Figure is missing

Run 6: Statistics of LEDBAT

Start at: 2018-01-25 23:08:59

End at: 2018-01-25 23:09:29

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-25 23:20:50

End at: 2018-01-25 23:21:20

Below is generated by plot.py at 2018-01-26 02:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 45.100 ms

Loss rate: 1.06%

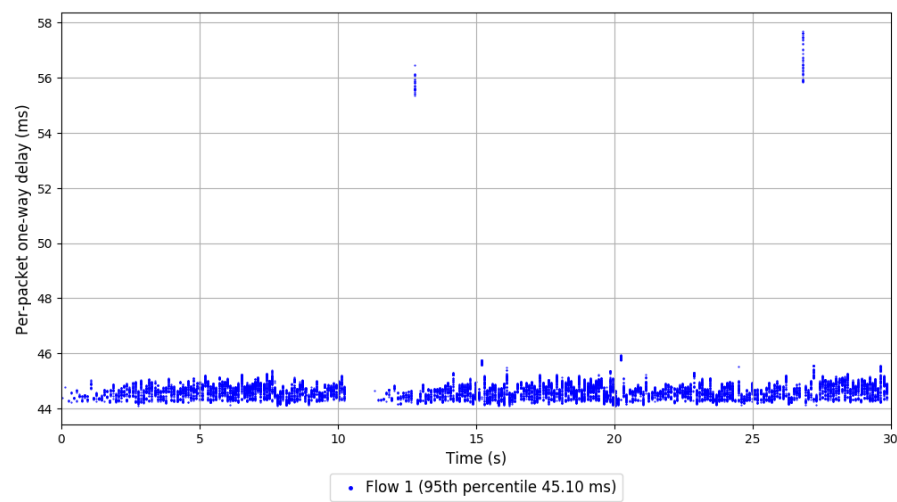
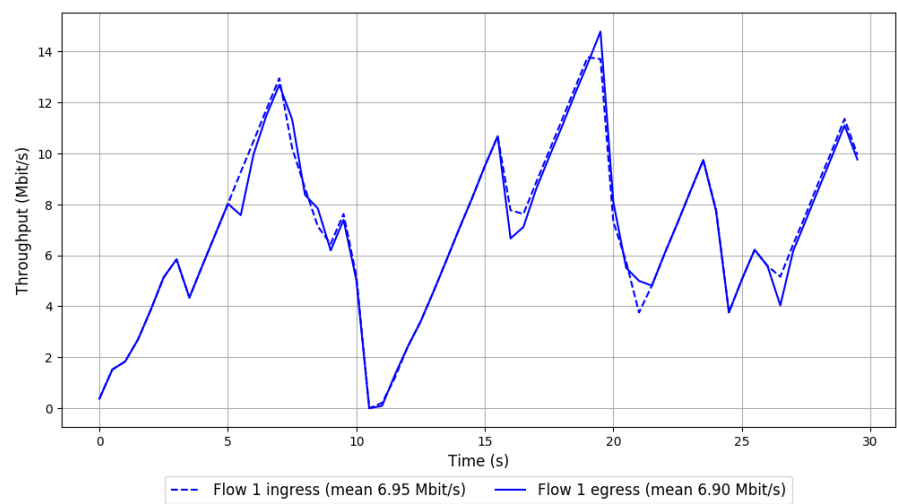
-- Flow 1:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 45.100 ms

Loss rate: 1.06%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-25 23:32:38

End at: 2018-01-25 23:33:08

Below is generated by plot.py at 2018-01-26 02:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.27 Mbit/s

95th percentile per-packet one-way delay: 46.334 ms

Loss rate: 1.90%

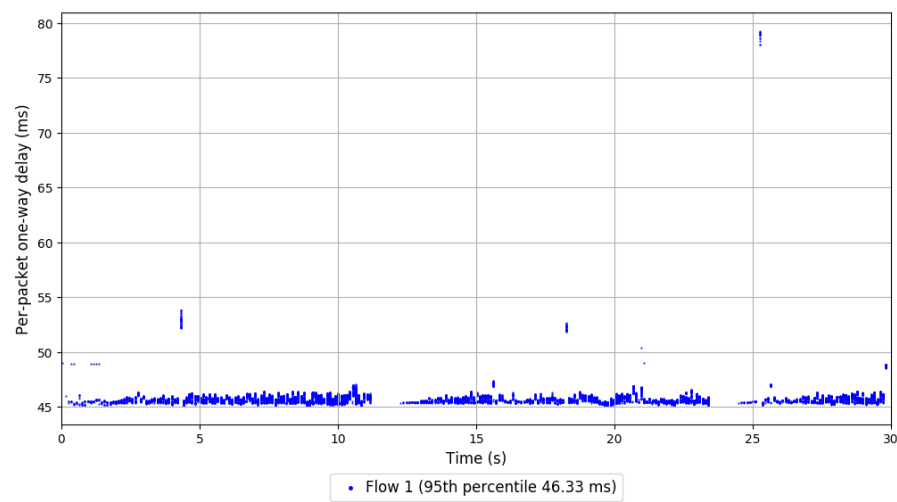
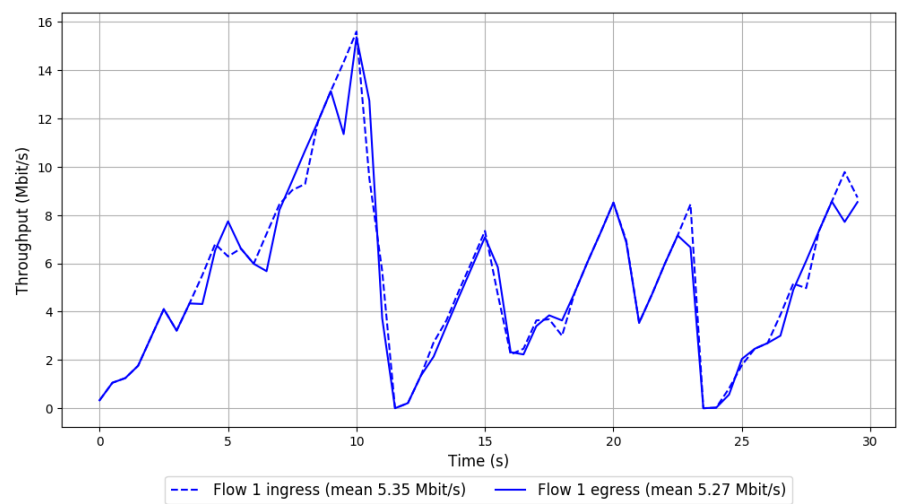
-- Flow 1:

Average throughput: 5.27 Mbit/s

95th percentile per-packet one-way delay: 46.334 ms

Loss rate: 1.90%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-25 23:44:36

End at: 2018-01-25 23:45:06

Below is generated by plot.py at 2018-01-26 02:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 47.393 ms

Loss rate: 2.73%

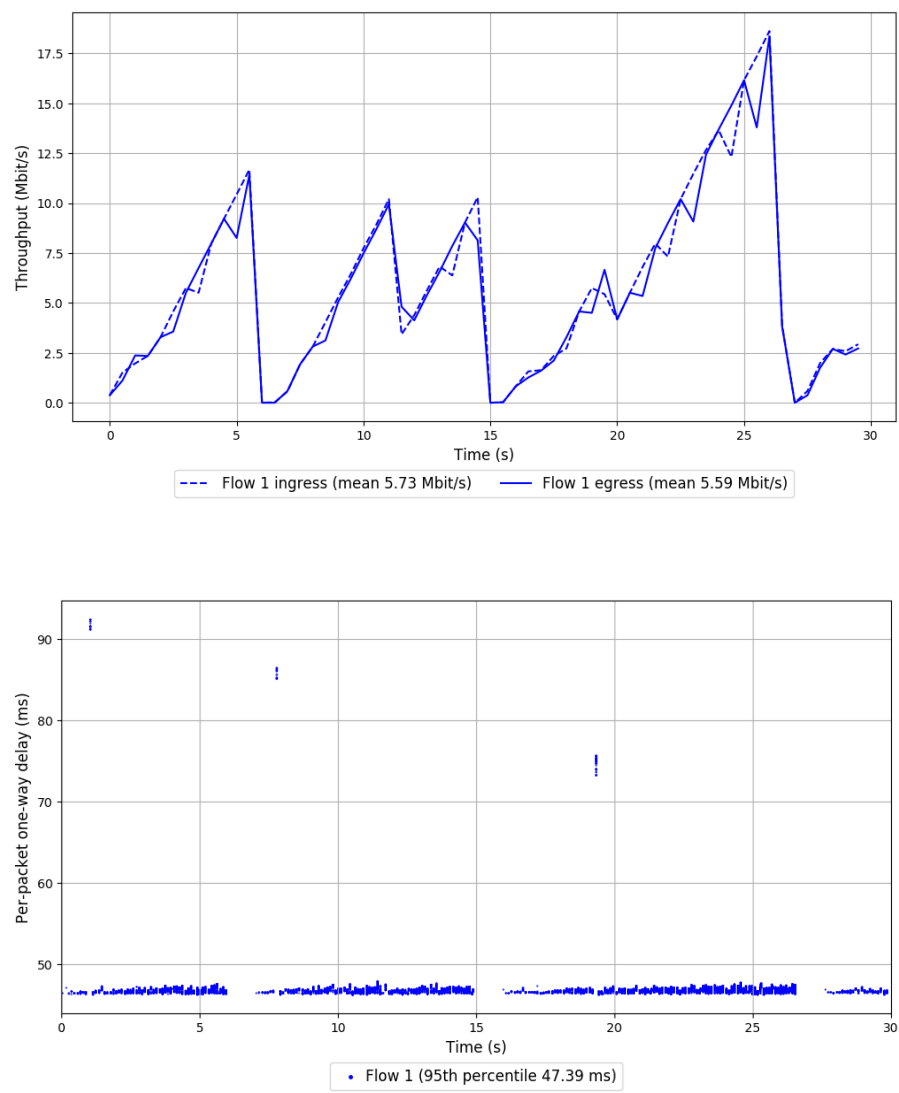
-- Flow 1:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 47.393 ms

Loss rate: 2.73%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-25 23:56:42

End at: 2018-01-25 23:57:12

Below is generated by plot.py at 2018-01-26 02:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 48.600 ms

Loss rate: 3.11%

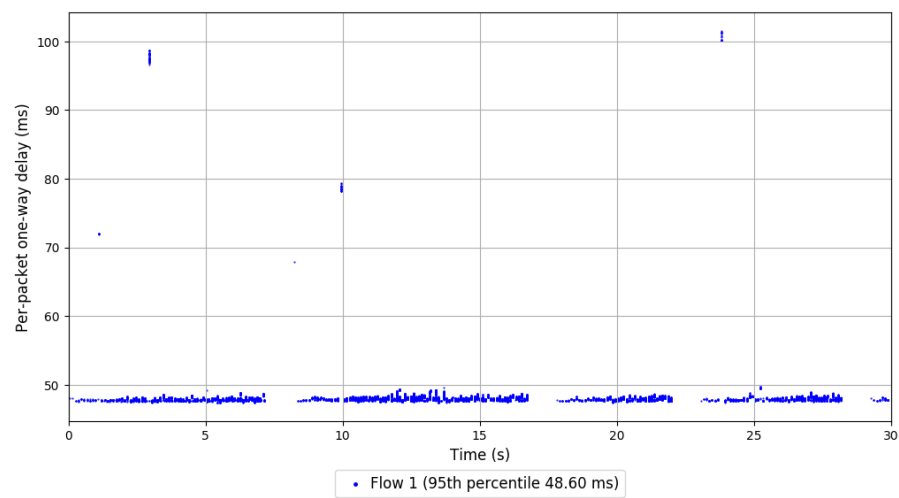
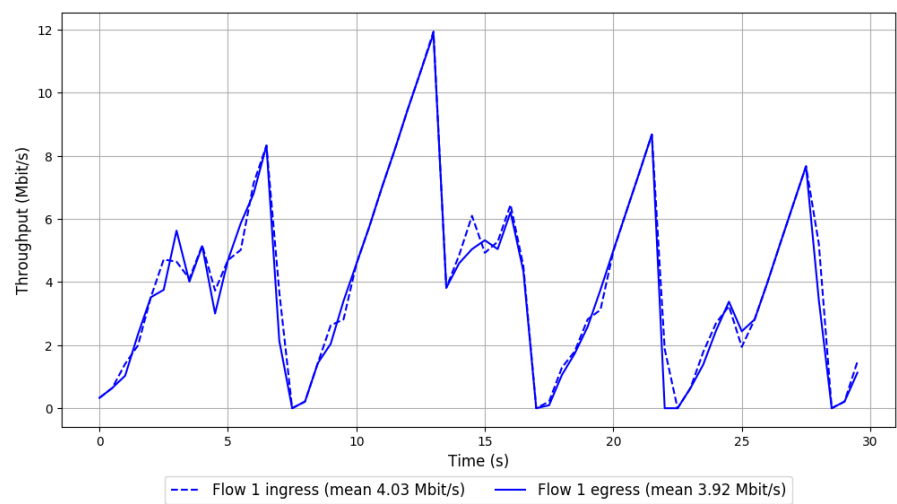
-- Flow 1:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 48.600 ms

Loss rate: 3.11%

Run 10: Report of LEDBAT — Data Link

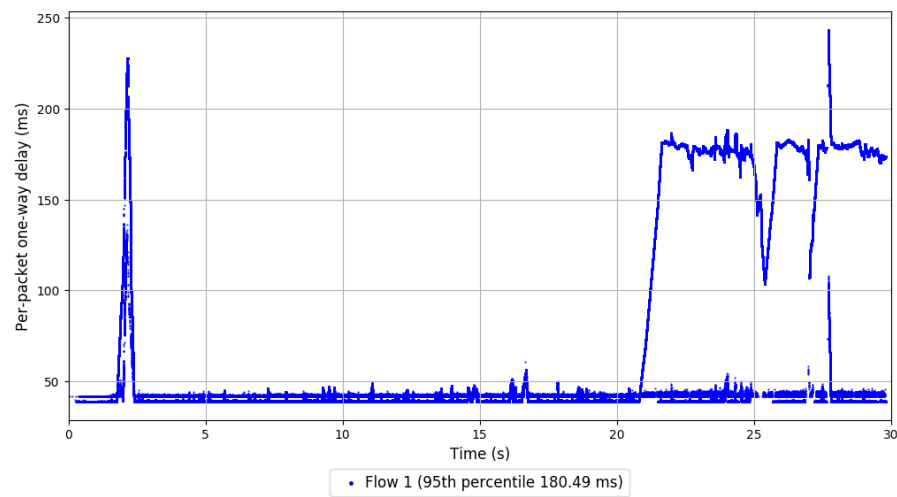
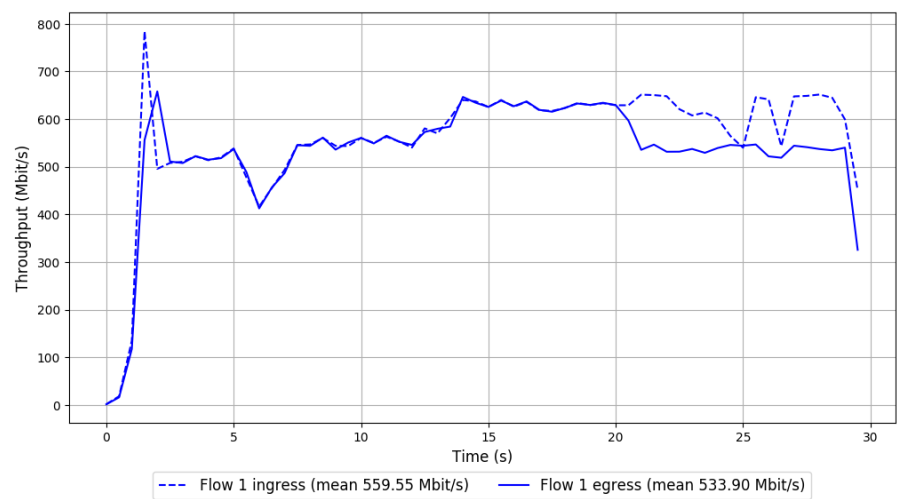


```
Run 1: Statistics of PCC

Start at: 2018-01-25 22:00:55
End at: 2018-01-25 22:01:25

# Below is generated by plot.py at 2018-01-26 02:18:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 533.90 Mbit/s
95th percentile per-packet one-way delay: 180.489 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 533.90 Mbit/s
95th percentile per-packet one-way delay: 180.489 ms
Loss rate: 4.93%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-25 22:12:52

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

Below is generated by plot.py at 2018-01-26 02:19:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 590.15 Mbit/s

95th percentile per-packet one-way delay: 117.616 ms

Loss rate: 0.90%

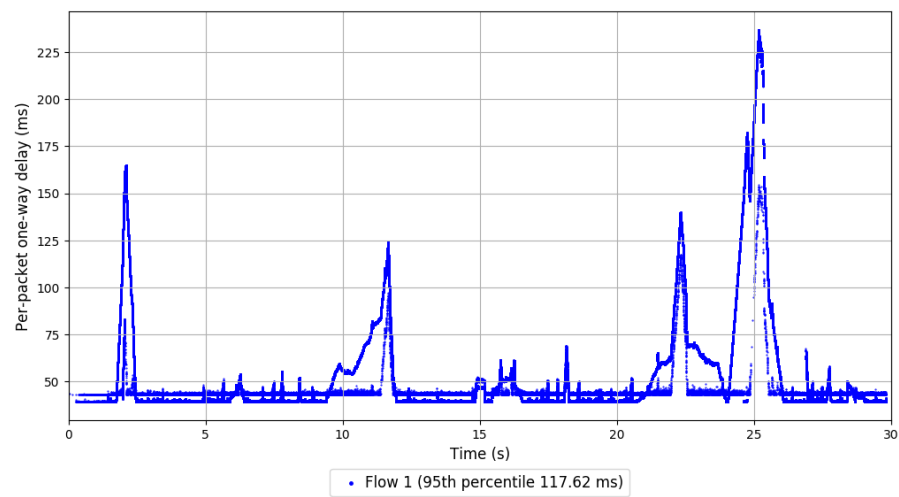
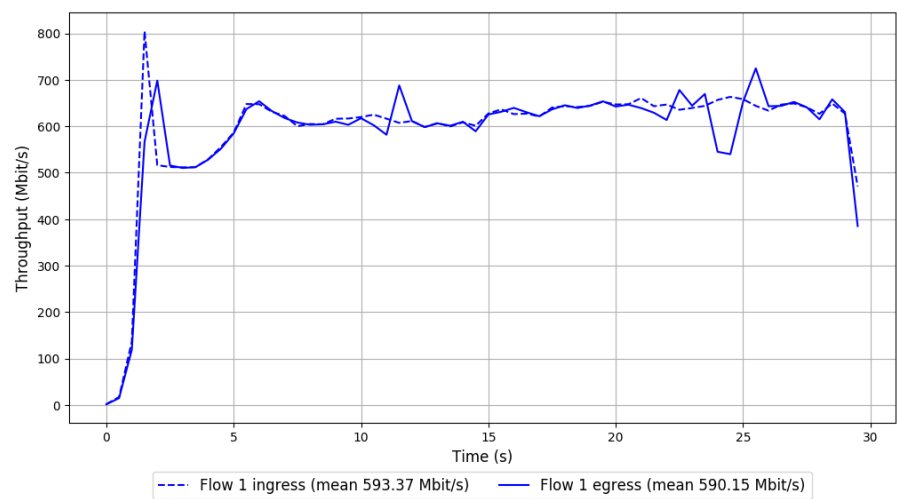
-- Flow 1:

Average throughput: 590.15 Mbit/s

95th percentile per-packet one-way delay: 117.616 ms

Loss rate: 0.90%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-25 22:24:48

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

Below is generated by plot.py at 2018-01-26 02:19:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.18 Mbit/s

95th percentile per-packet one-way delay: 177.506 ms

Loss rate: 1.88%

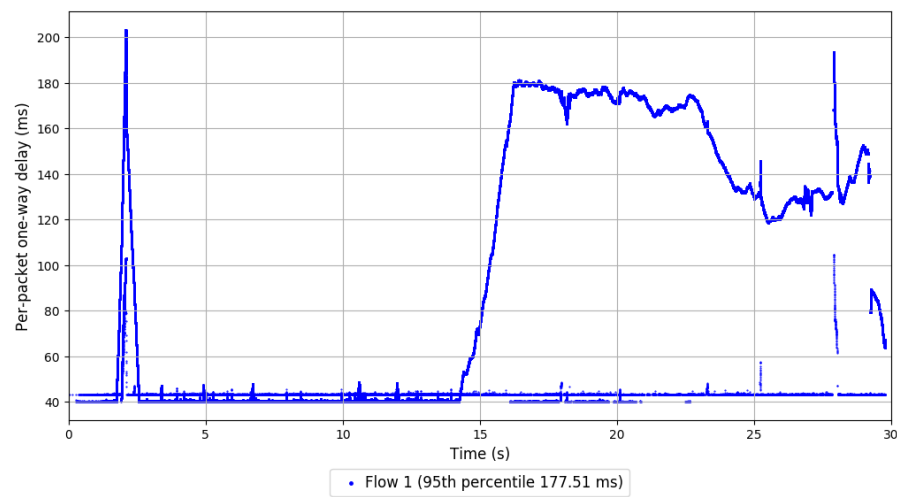
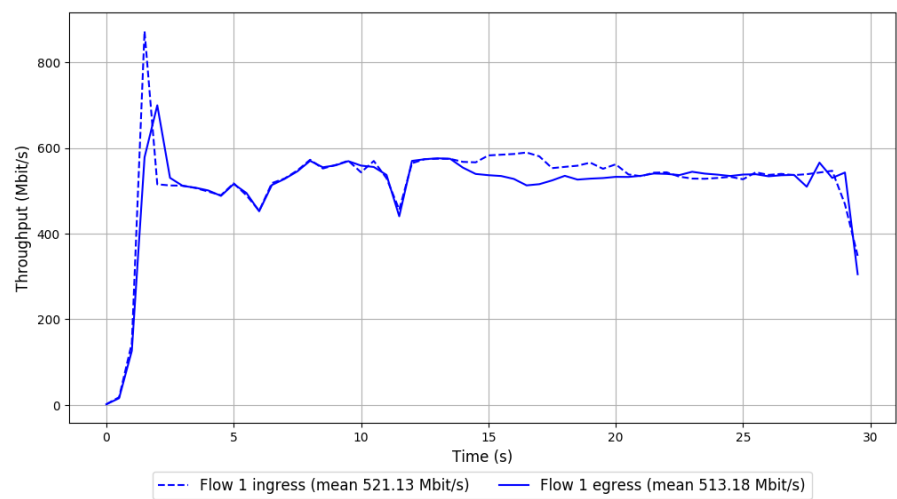
-- Flow 1:

Average throughput: 513.18 Mbit/s

95th percentile per-packet one-way delay: 177.506 ms

Loss rate: 1.88%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-25 22:36:45

End at: 2018-01-25 22:37:15

Below is generated by plot.py at 2018-01-26 02:19:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 507.62 Mbit/s

95th percentile per-packet one-way delay: 174.208 ms

Loss rate: 0.95%

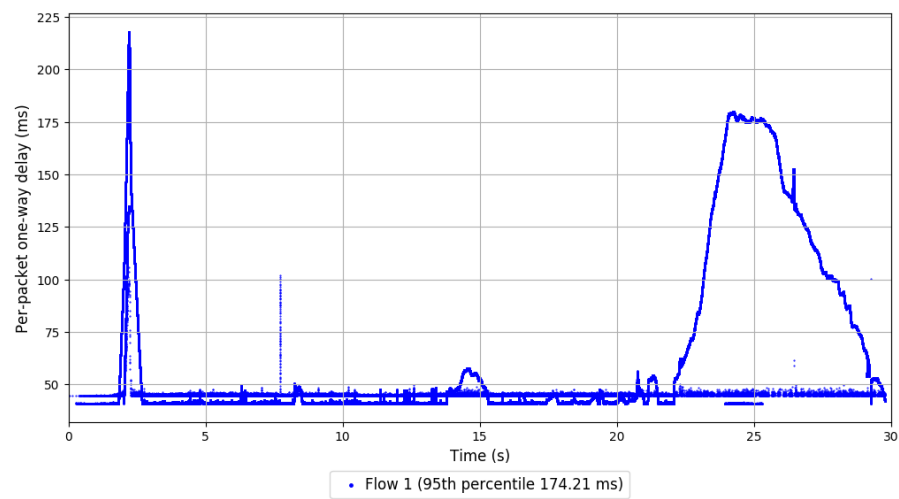
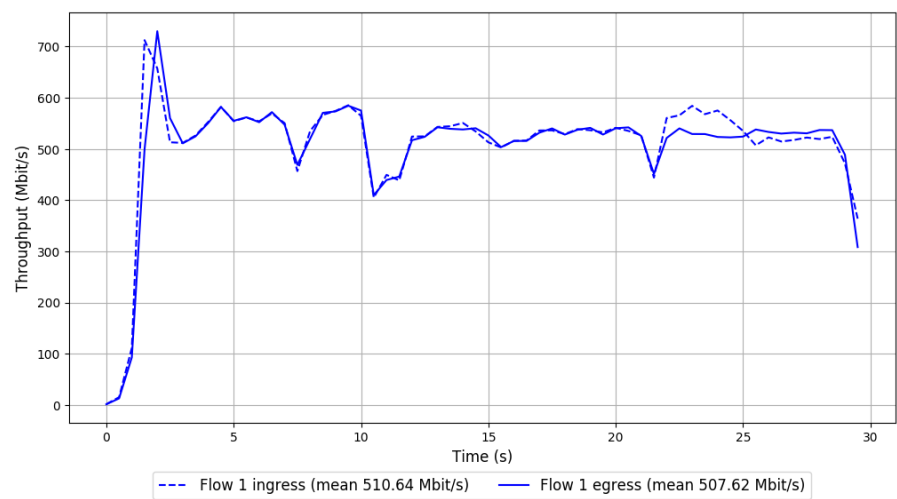
-- Flow 1:

Average throughput: 507.62 Mbit/s

95th percentile per-packet one-way delay: 174.208 ms

Loss rate: 0.95%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-25 22:48:24

End at: 2018-01-25 22:48:55

Below is generated by plot.py at 2018-01-26 02:19:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 572.79 Mbit/s

95th percentile per-packet one-way delay: 156.317 ms

Loss rate: 0.96%

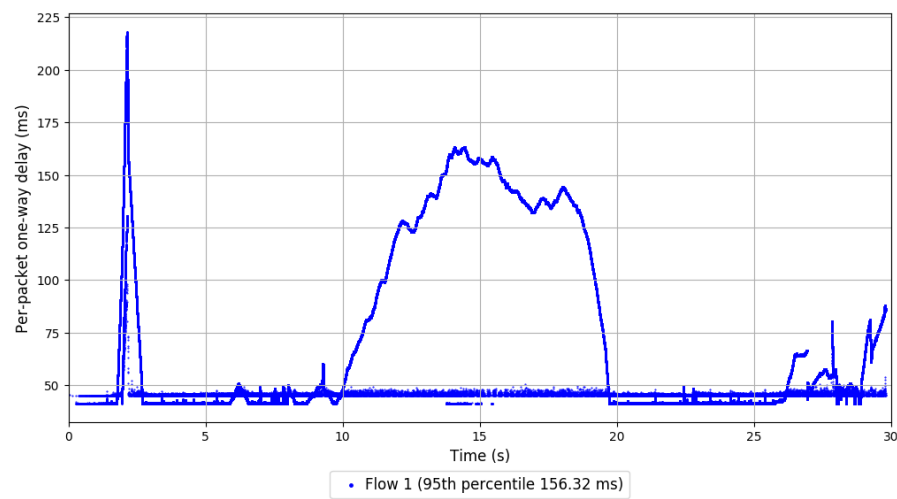
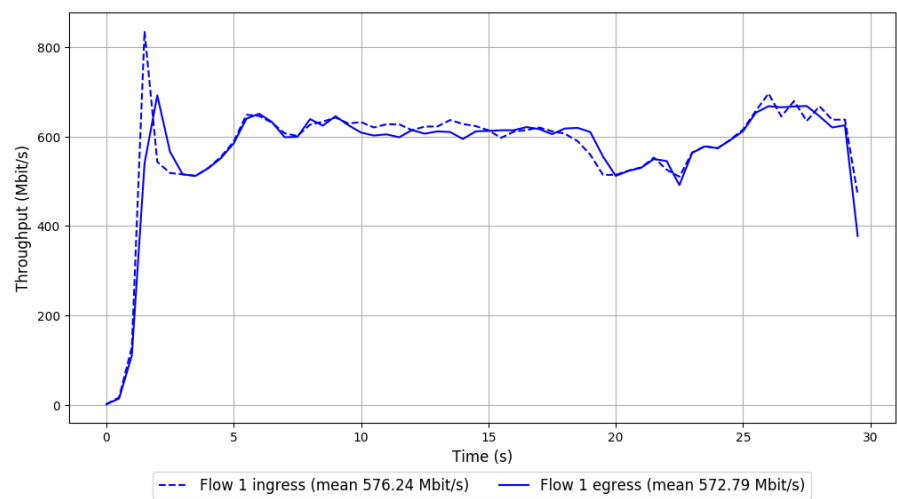
-- Flow 1:

Average throughput: 572.79 Mbit/s

95th percentile per-packet one-way delay: 156.317 ms

Loss rate: 0.96%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-25 23:00:21

End at: 2018-01-25 23:00:51

Below is generated by plot.py at 2018-01-26 02:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.01 Mbit/s

95th percentile per-packet one-way delay: 157.240 ms

Loss rate: 2.10%

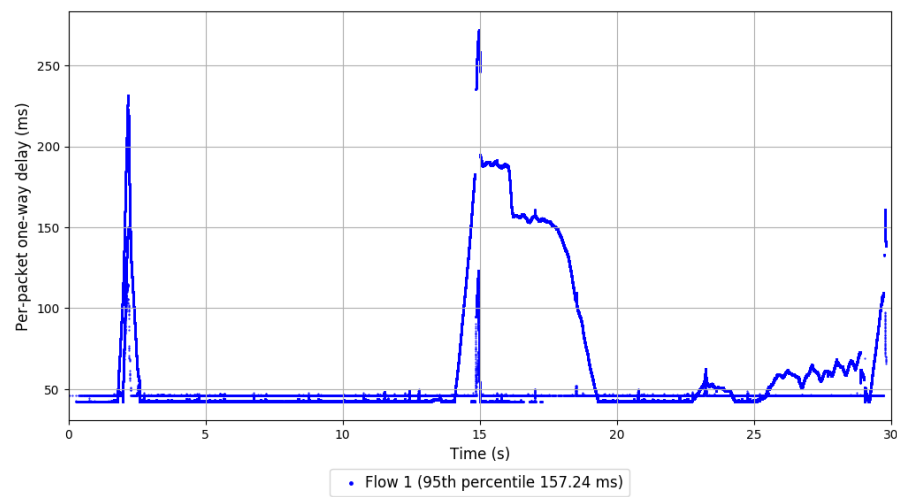
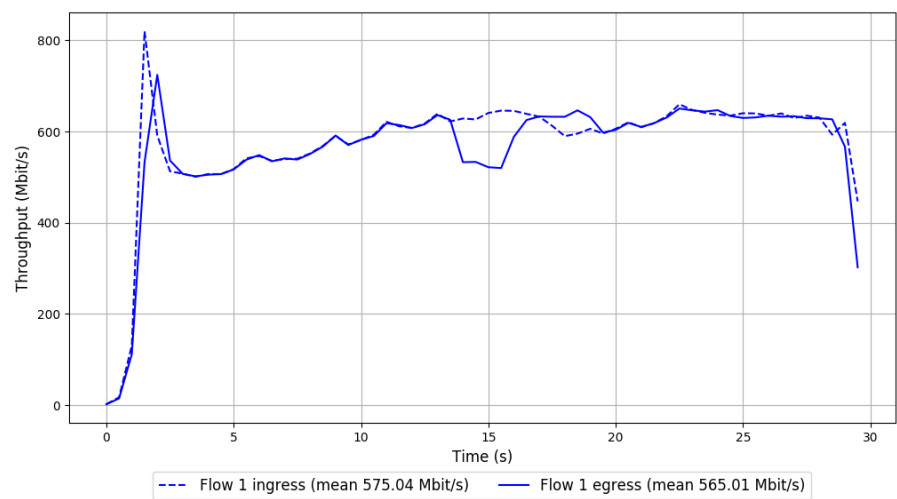
-- Flow 1:

Average throughput: 565.01 Mbit/s

95th percentile per-packet one-way delay: 157.240 ms

Loss rate: 2.10%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-25 23:12:35

End at: 2018-01-25 23:13:05

Below is generated by plot.py at 2018-01-26 02:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 563.92 Mbit/s

95th percentile per-packet one-way delay: 130.950 ms

Loss rate: 0.88%

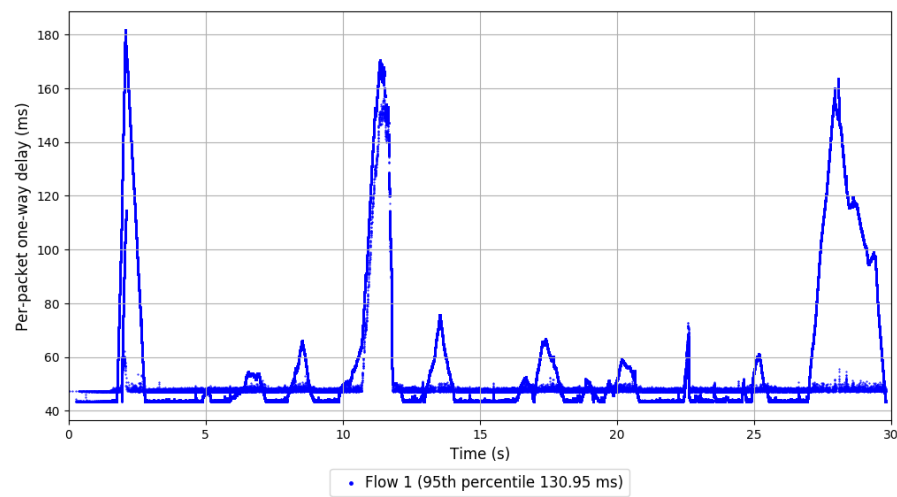
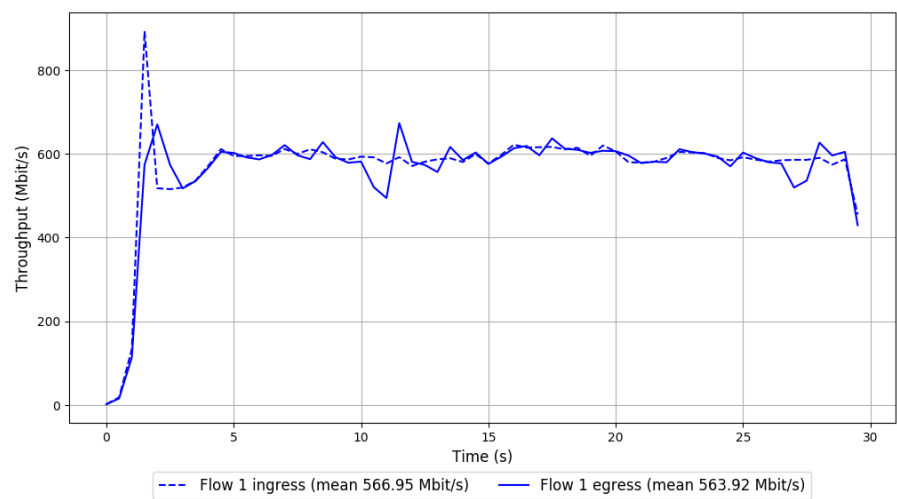
-- Flow 1:

Average throughput: 563.92 Mbit/s

95th percentile per-packet one-way delay: 130.950 ms

Loss rate: 0.88%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

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

End at: 2018-01-25 23:24:55

Below is generated by plot.py at 2018-01-26 02:20:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 583.51 Mbit/s

95th percentile per-packet one-way delay: 99.212 ms

Loss rate: 0.65%

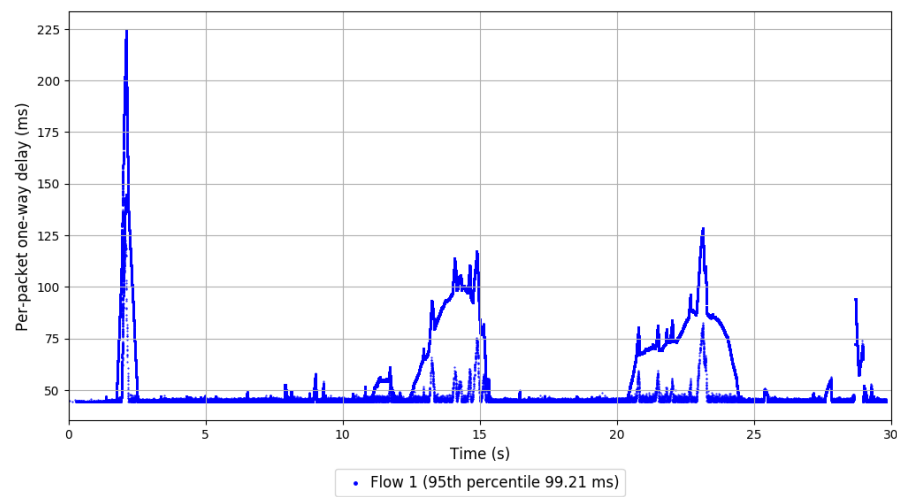
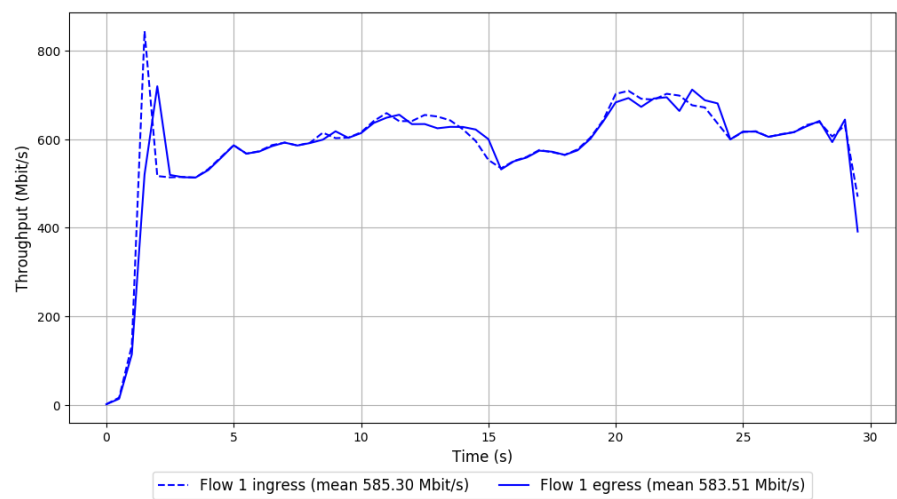
-- Flow 1:

Average throughput: 583.51 Mbit/s

95th percentile per-packet one-way delay: 99.212 ms

Loss rate: 0.65%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-25 23:36:07

End at: 2018-01-25 23:36:37

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.27 Mbit/s

95th percentile per-packet one-way delay: 188.217 ms

Loss rate: 3.04%

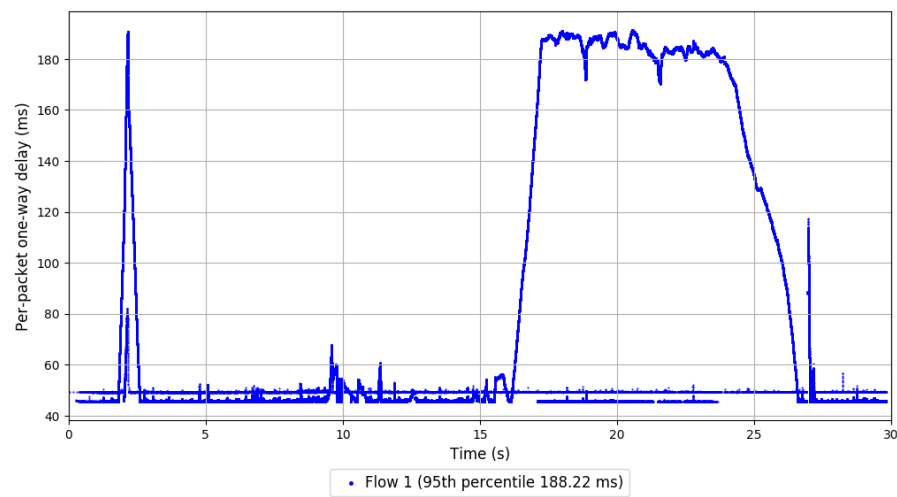
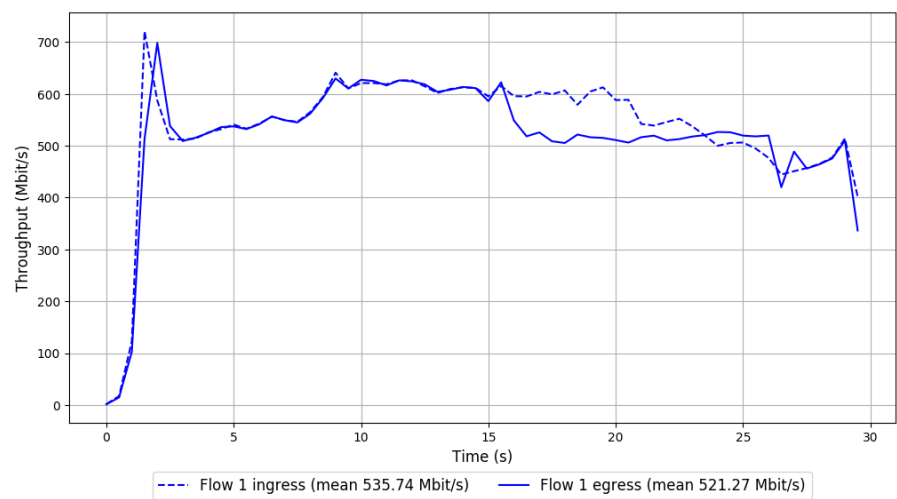
-- Flow 1:

Average throughput: 521.27 Mbit/s

95th percentile per-packet one-way delay: 188.217 ms

Loss rate: 3.04%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-25 23:48:11

End at: 2018-01-25 23:48:41

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 533.87 Mbit/s

95th percentile per-packet one-way delay: 159.458 ms

Loss rate: 2.15%

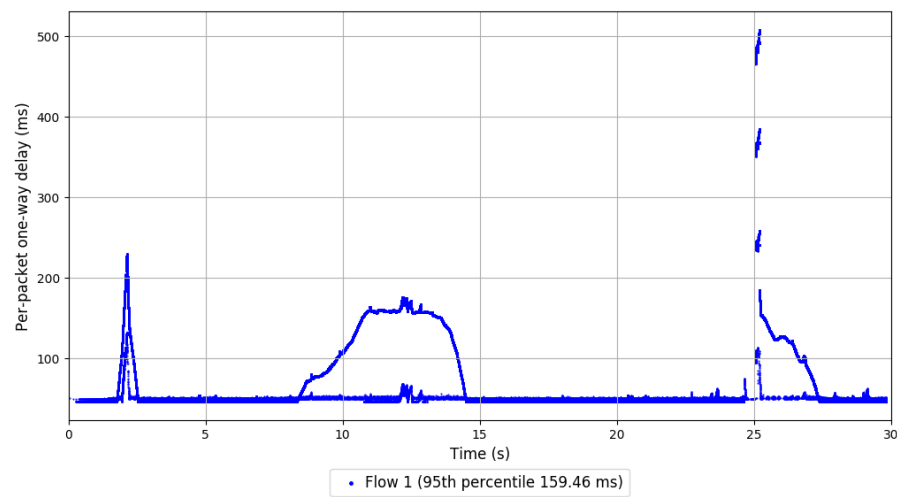
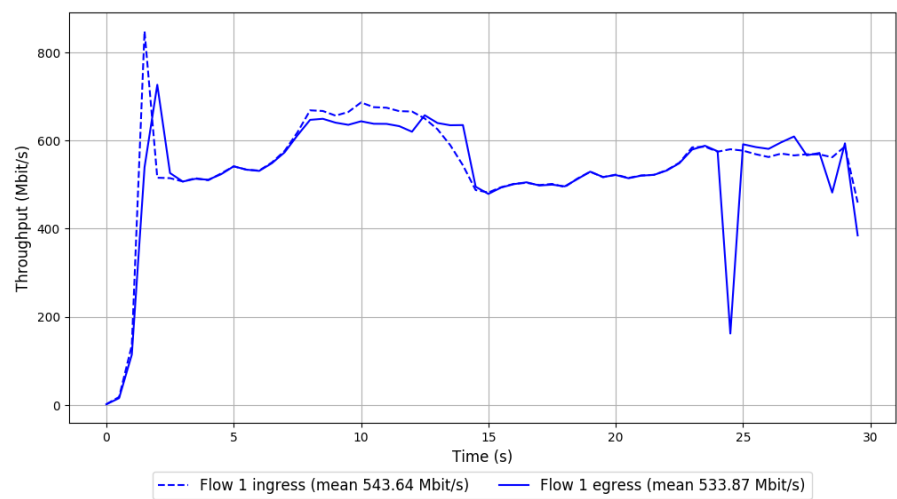
-- Flow 1:

Average throughput: 533.87 Mbit/s

95th percentile per-packet one-way delay: 159.458 ms

Loss rate: 2.15%

Run 10: Report of PCC — Data Link

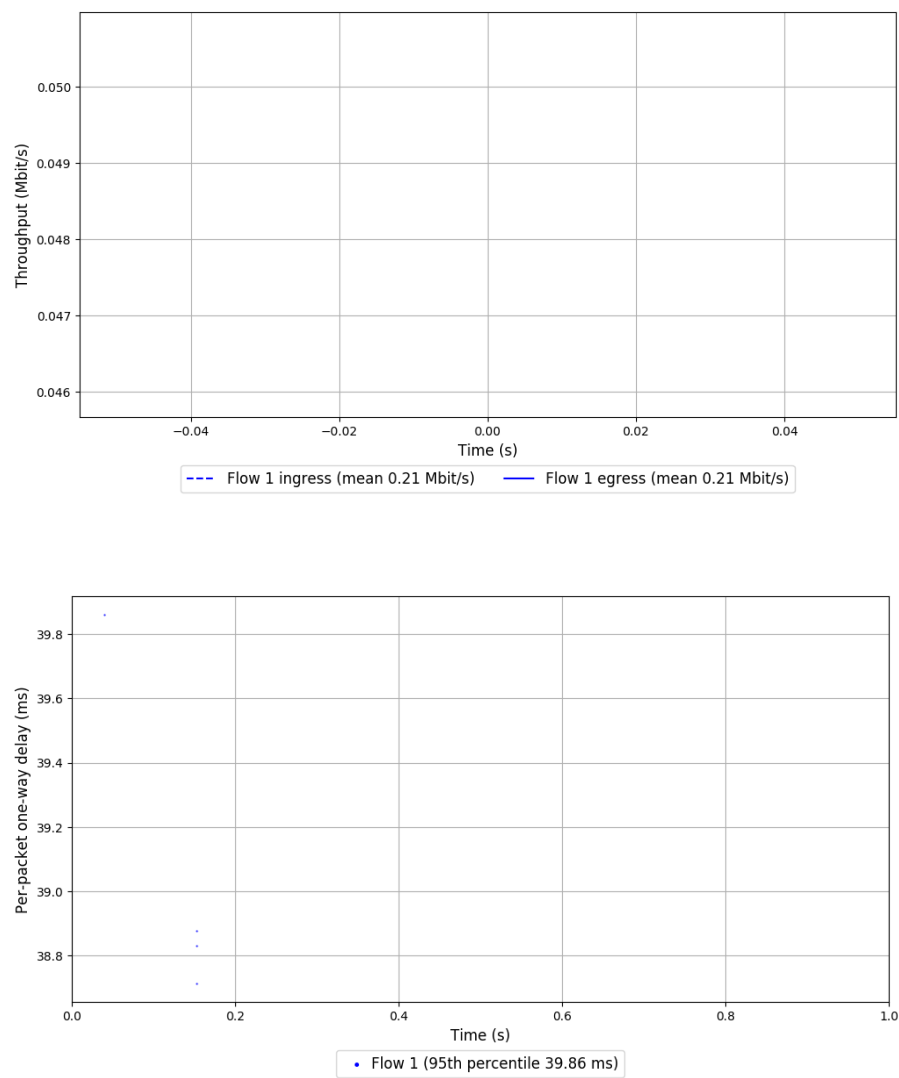


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-25 22:03:20

End at: 2018-01-25 22:03:50

Run 1: Report of QUIC Cubic — Data Link

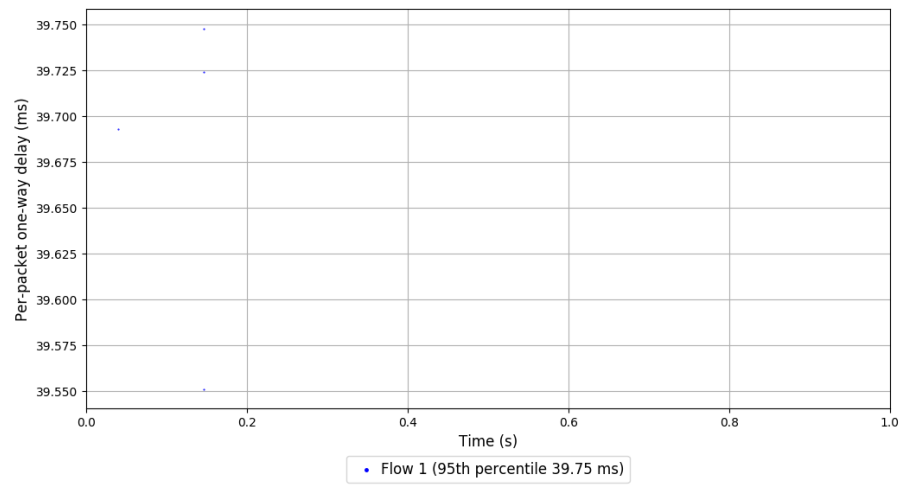
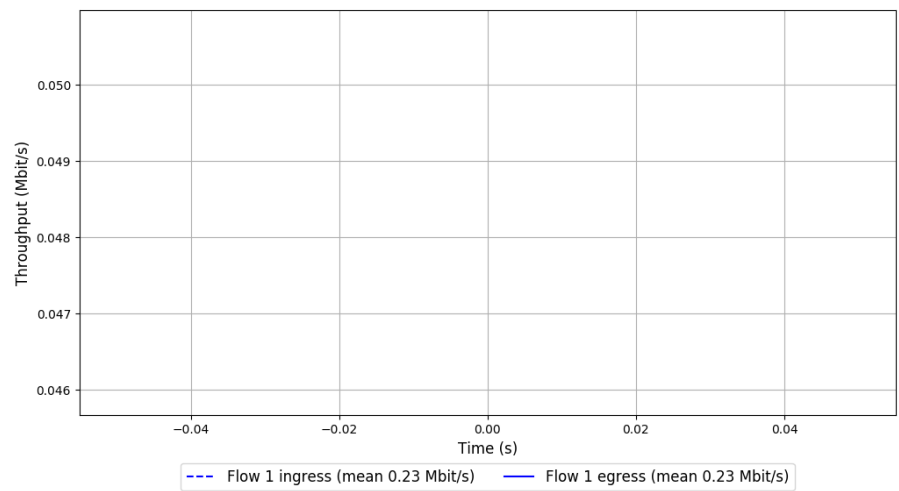


Run 2: Statistics of QUIC Cubic

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

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

Run 2: Report of QUIC Cubic — Data Link

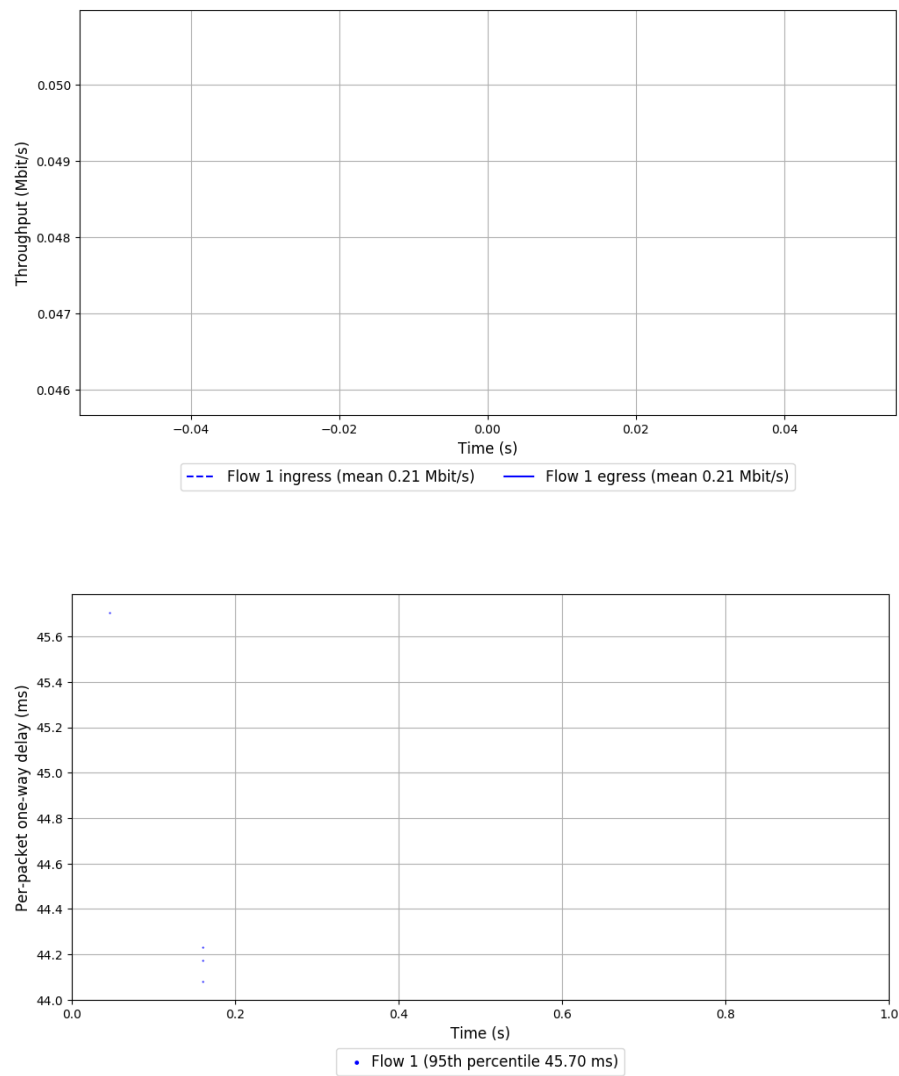


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-25 22:27:10

End at: 2018-01-25 22:27:40

Run 3: Report of QUIC Cubic — Data Link

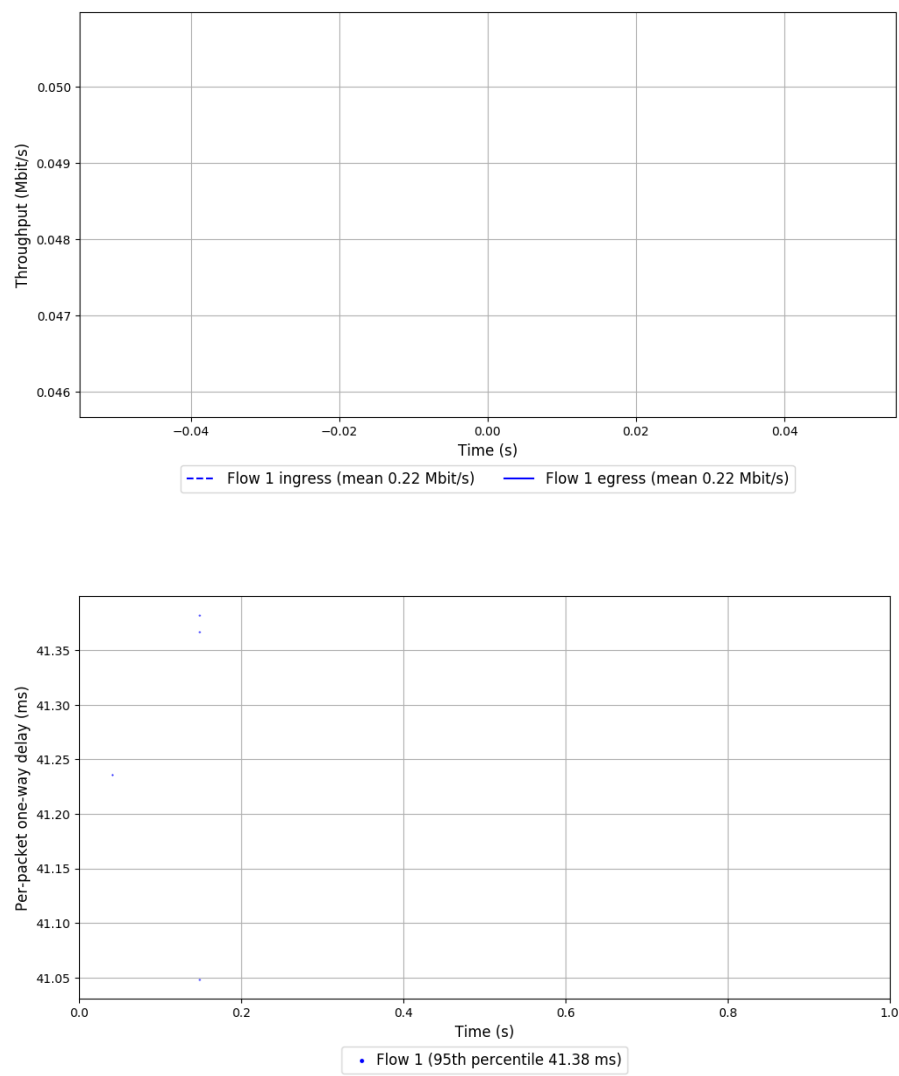


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-25 22:39:07

End at: 2018-01-25 22:39:37

Run 4: Report of QUIC Cubic — Data Link

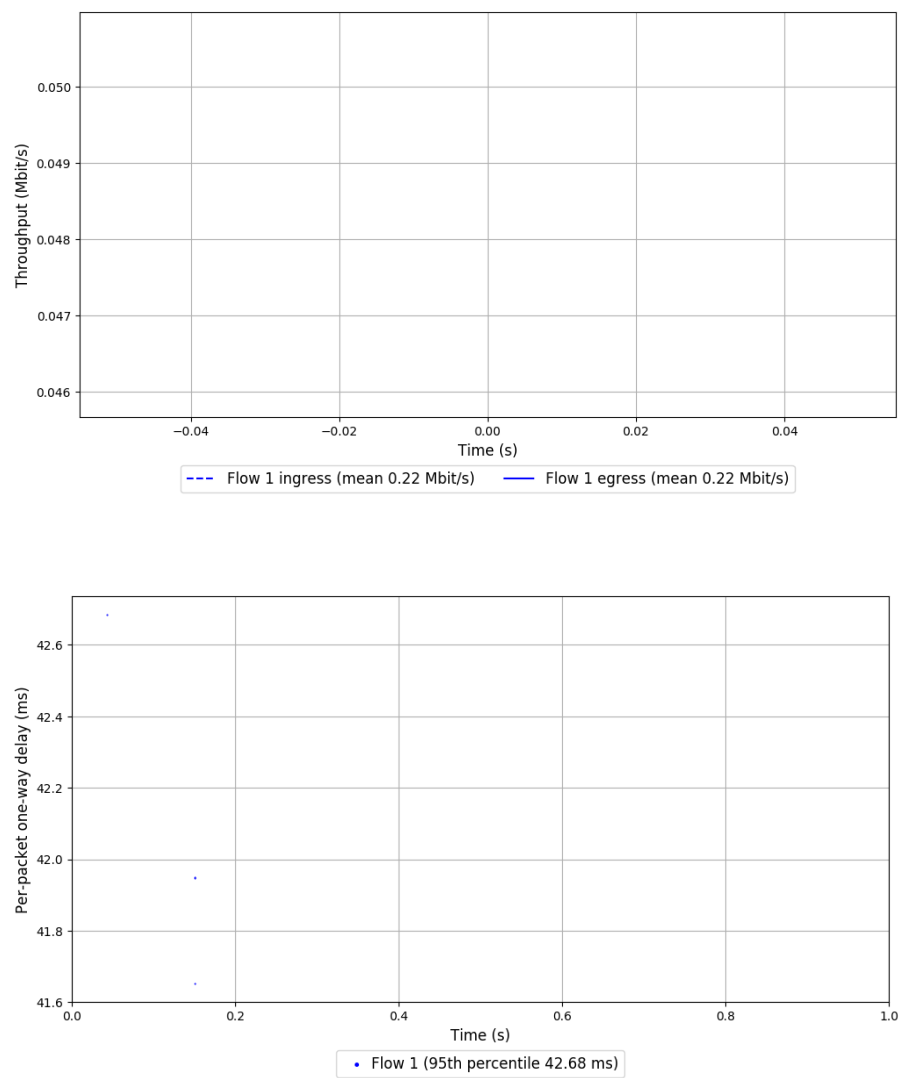


Run 5: Statistics of QUIC Cubic

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

End at: 2018-01-25 22:51:20

Run 5: Report of QUIC Cubic — Data Link

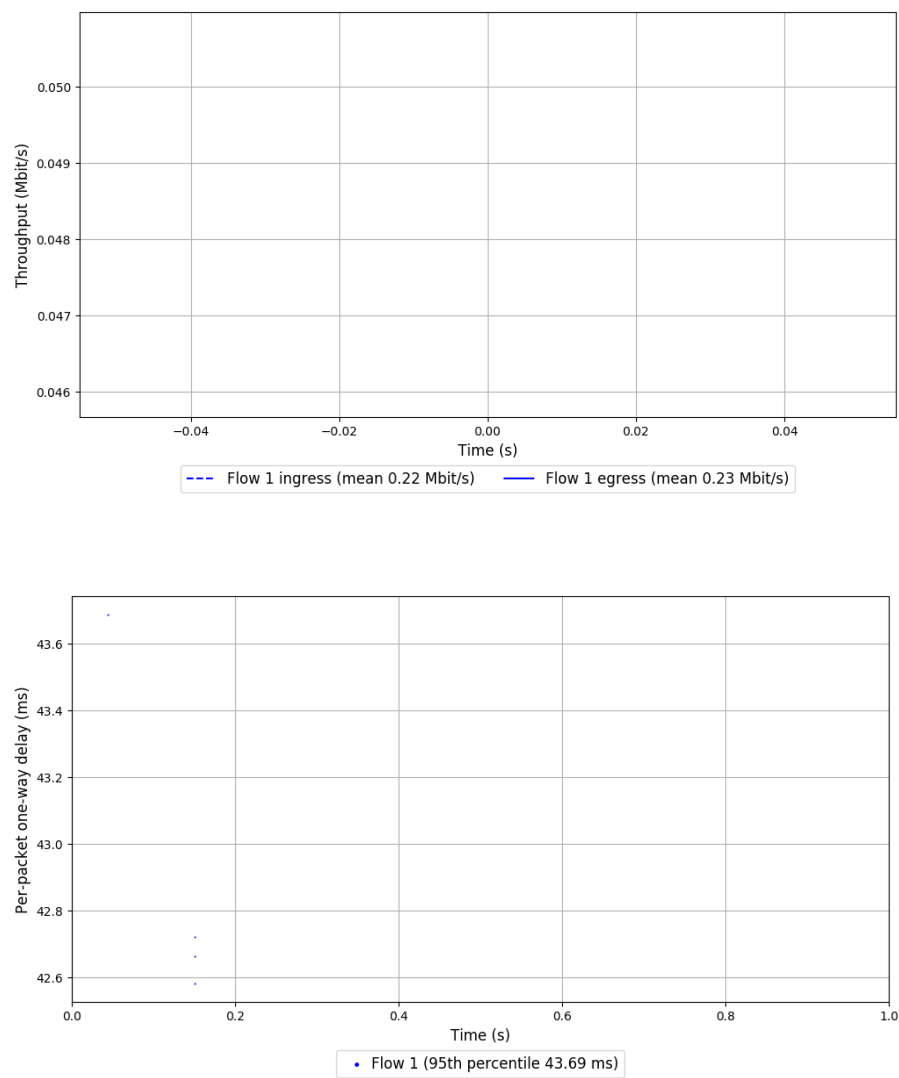


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-25 23:02:46

End at: 2018-01-25 23:03:16

Run 6: Report of QUIC Cubic — Data Link

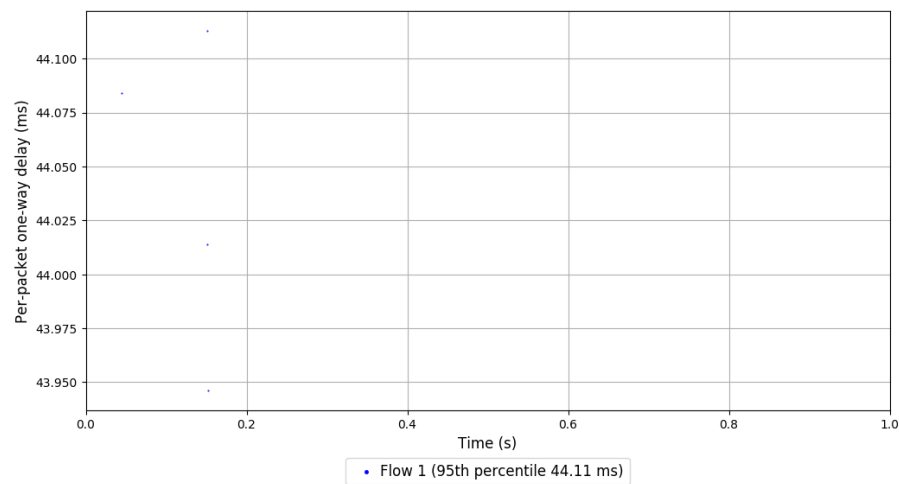
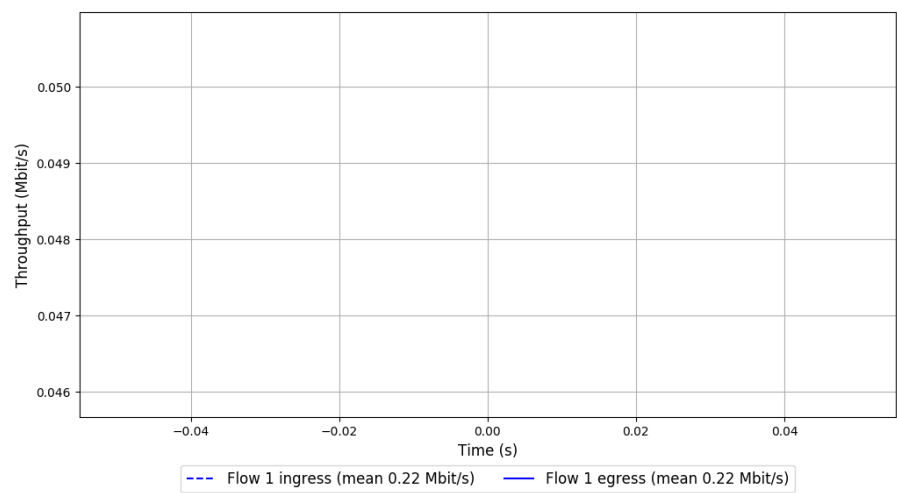


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-25 23:15:00

End at: 2018-01-25 23:15:30

Run 7: Report of QUIC Cubic — Data Link

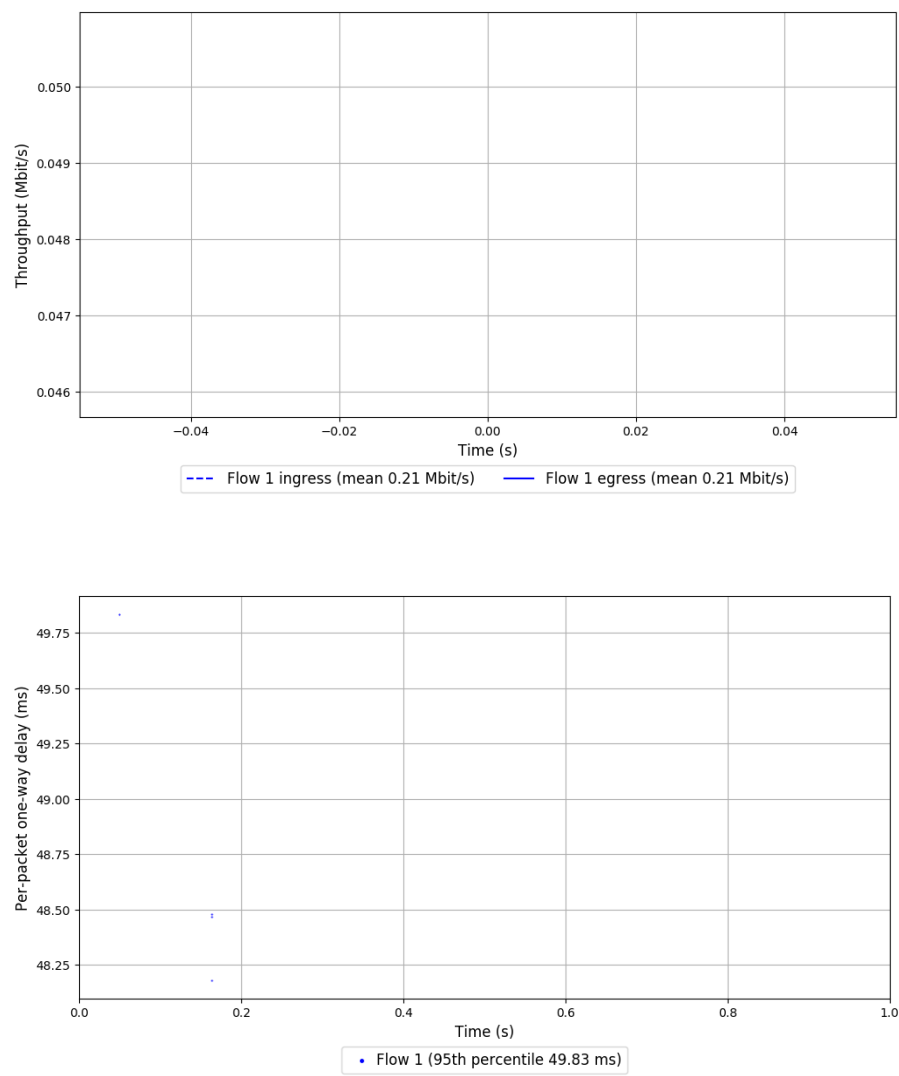


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-25 23:26:49

End at: 2018-01-25 23:27:19

Run 8: Report of QUIC Cubic — Data Link

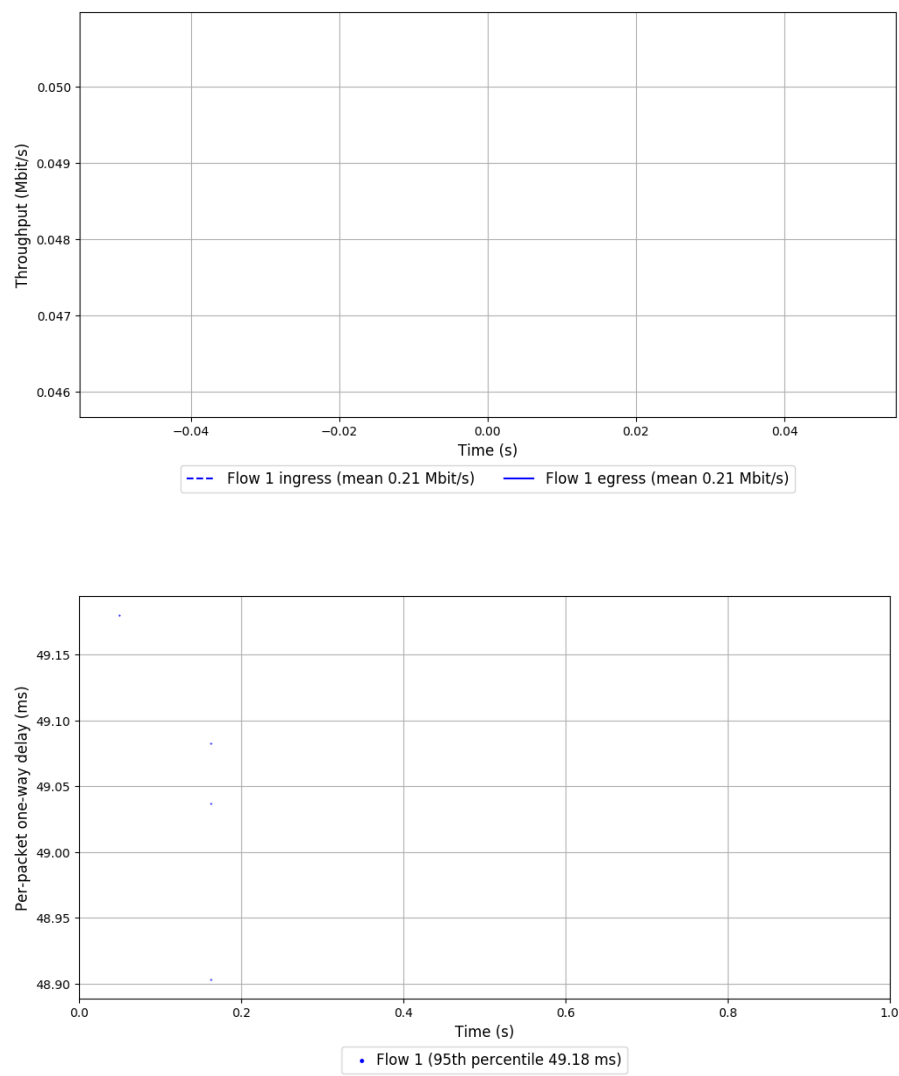


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-25 23:38:31

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

Run 9: Report of QUIC Cubic — Data Link

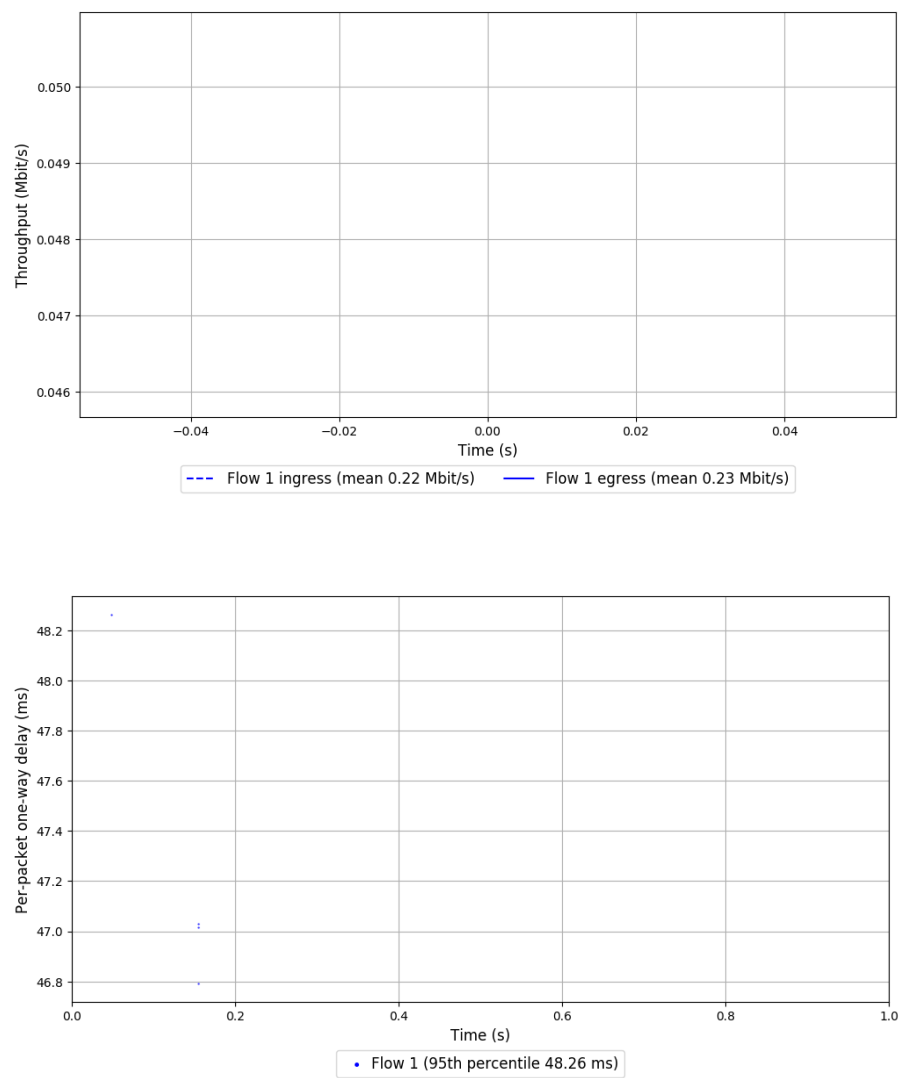


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-25 23:50:34

End at: 2018-01-25 23:51:04

Run 10: Report of QUIC Cubic — Data Link

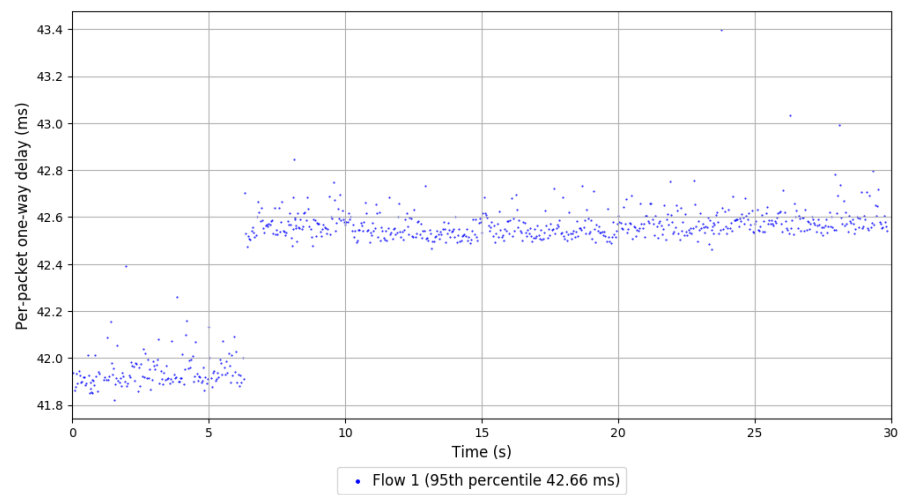
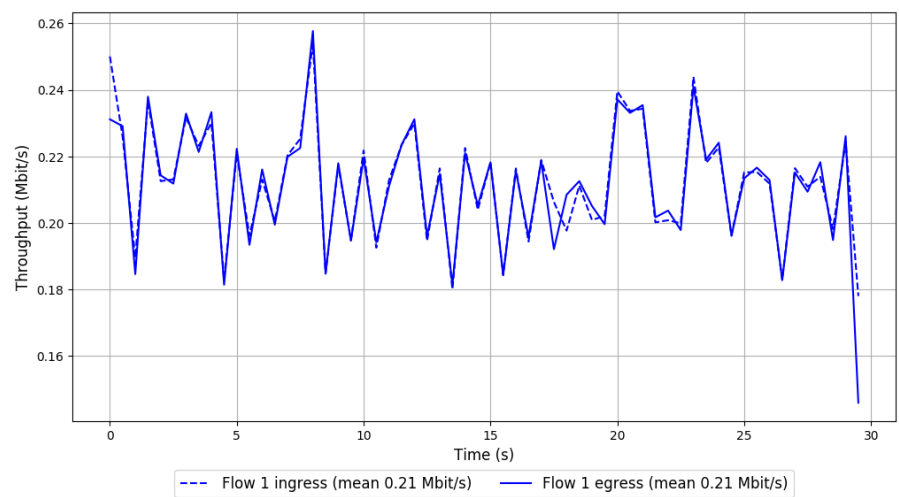


```
Run 1: Statistics of SCReAM

Start at: 2018-01-25 22:01:53
End at: 2018-01-25 22:02:23

# Below is generated by plot.py at 2018-01-26 02:27:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 42.662 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 42.662 ms
Loss rate: 0.38%
```

Run 1: Report of SReAM — Data Link

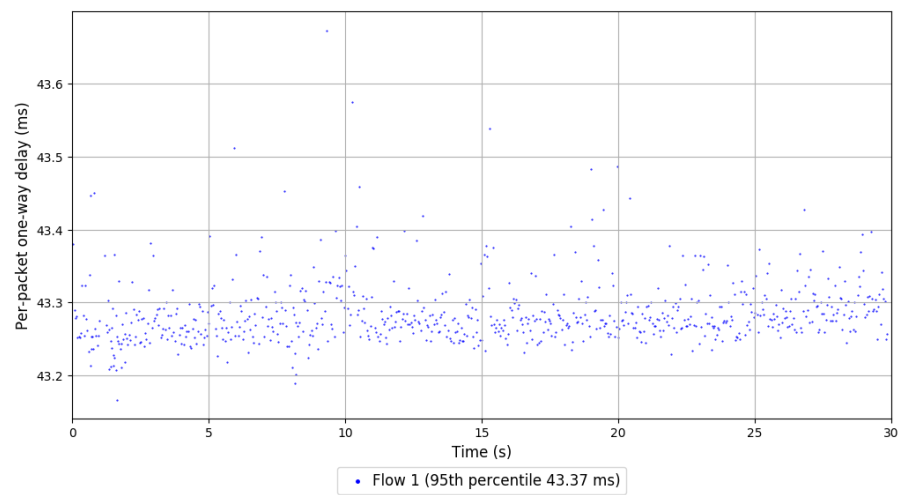
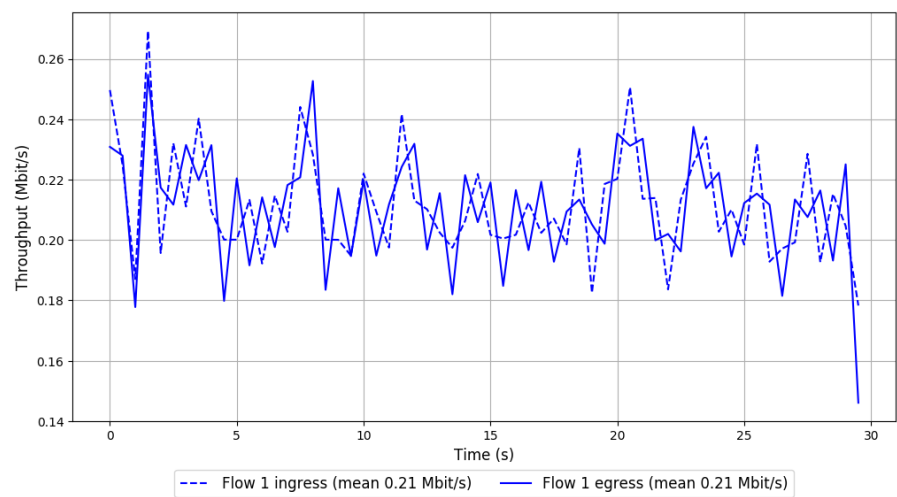


```
Run 2: Statistics of SCReAM

Start at: 2018-01-25 22:13:52
End at: 2018-01-25 22:14:22

# Below is generated by plot.py at 2018-01-26 02:27:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 43.369 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 43.369 ms
Loss rate: 0.38%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

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

End at: 2018-01-25 22:26:14

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 40.565 ms

Loss rate: 0.25%

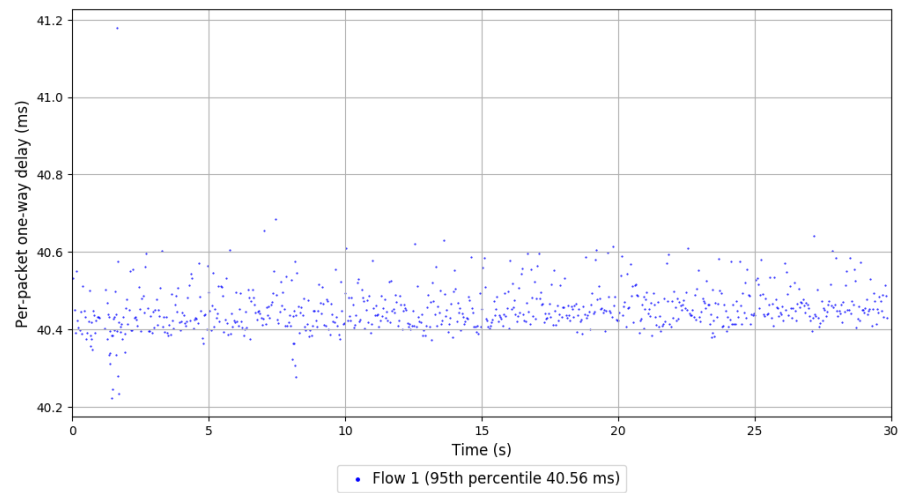
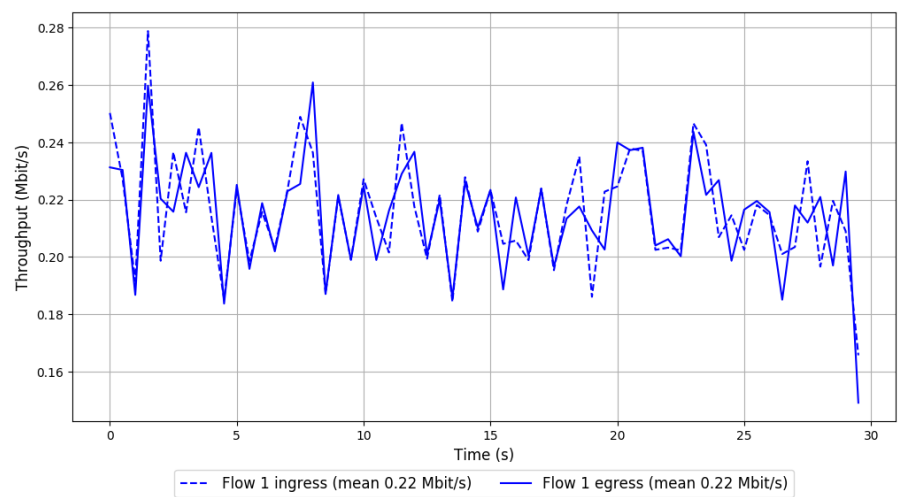
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 40.565 ms

Loss rate: 0.25%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-25 22:37:42

End at: 2018-01-25 22:38:12

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 44.850 ms

Loss rate: 0.38%

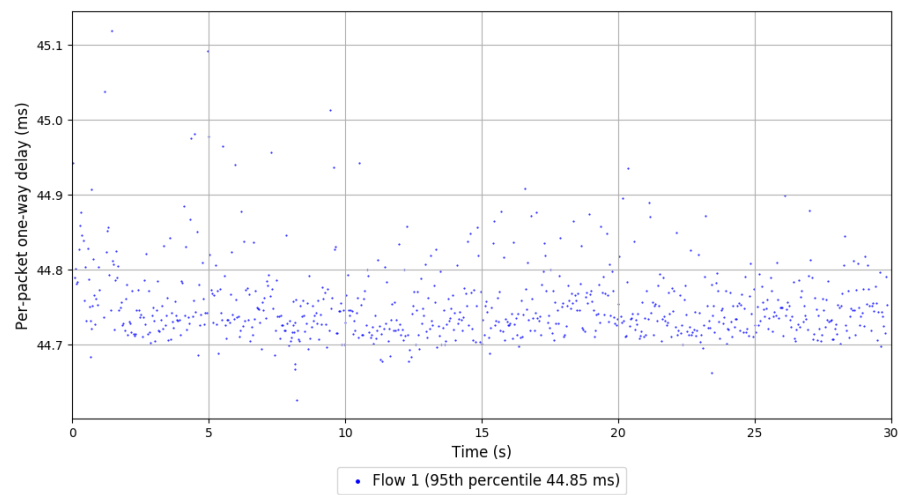
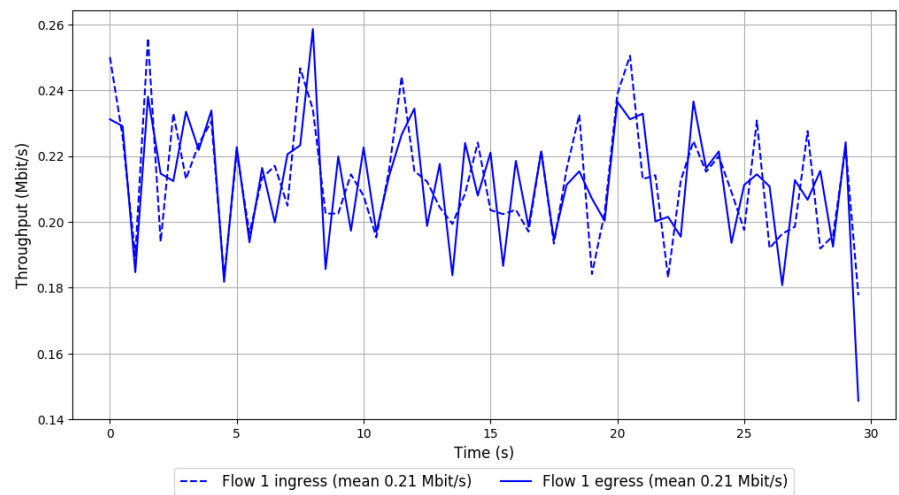
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 44.850 ms

Loss rate: 0.38%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

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

End at: 2018-01-25 22:49:53

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 45.190 ms

Loss rate: 0.38%

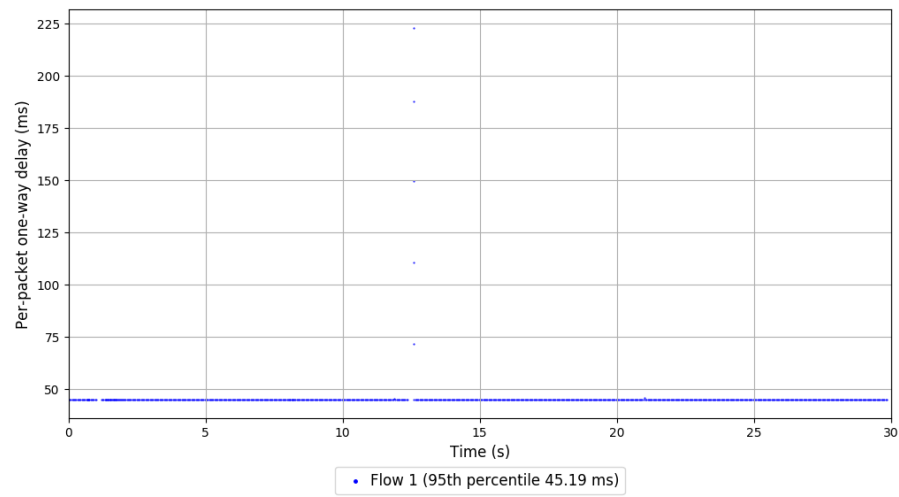
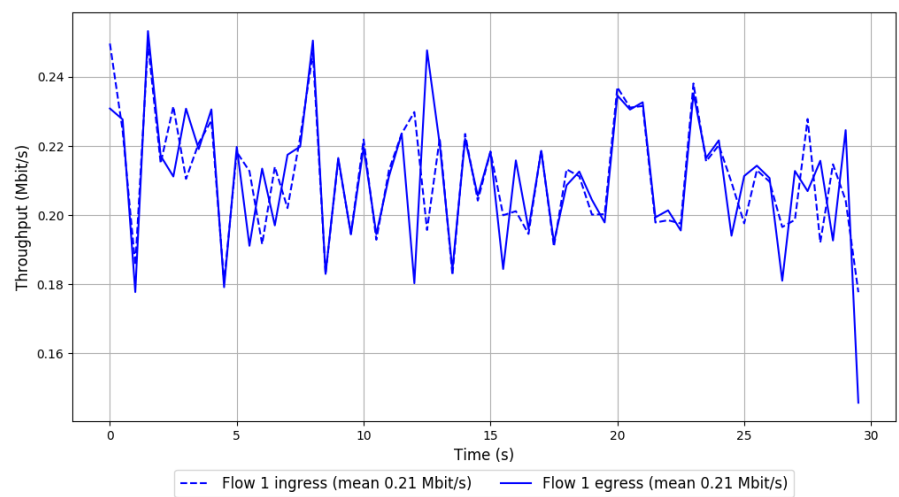
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 45.190 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

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

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

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 46.297 ms

Loss rate: 0.38%

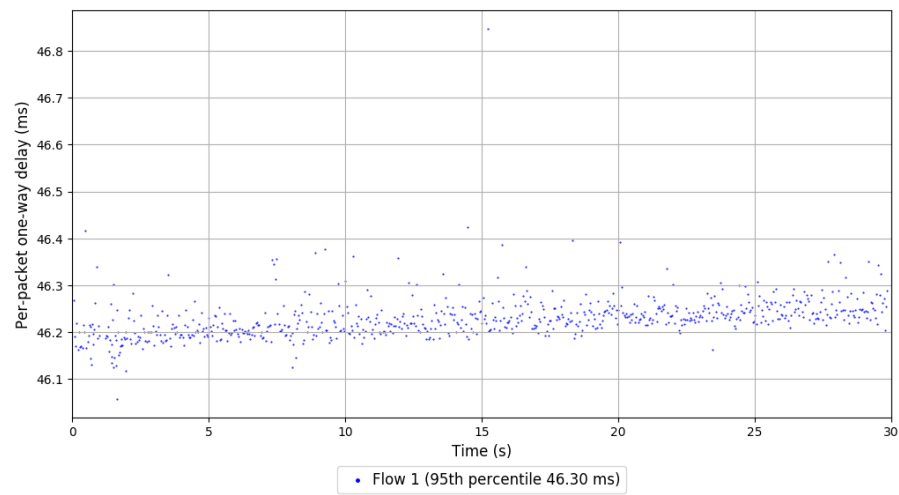
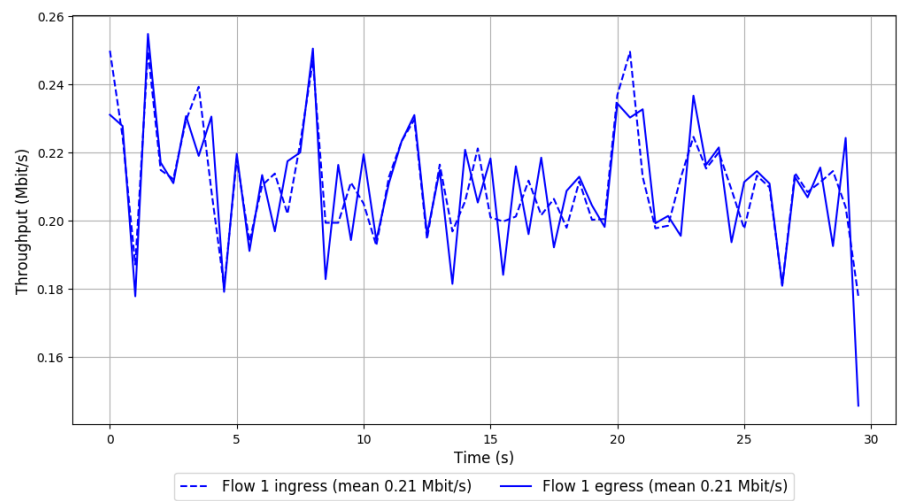
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 46.297 ms

Loss rate: 0.38%

Run 6: Report of SReAM — Data Link

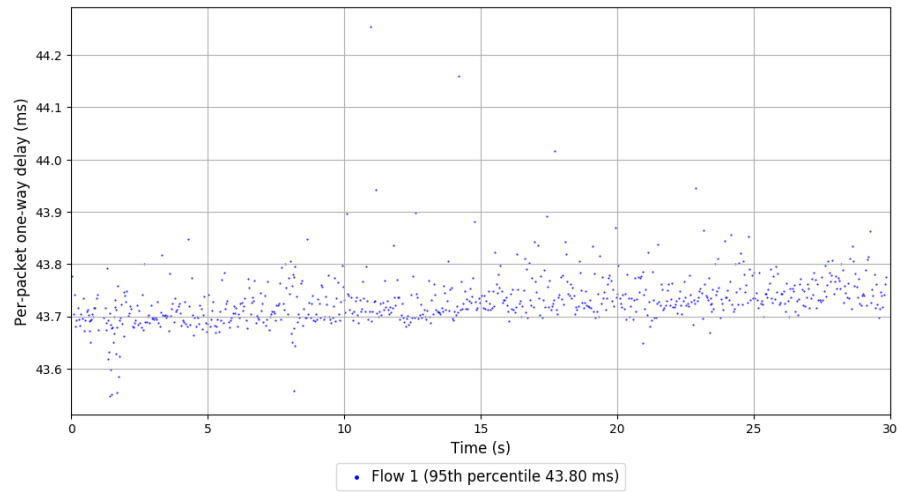
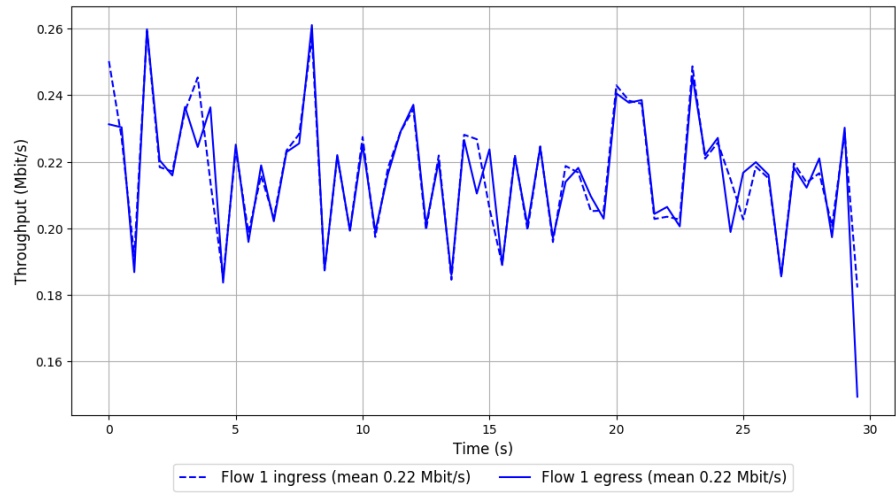


```
Run 7: Statistics of SCReAM

Start at: 2018-01-25 23:13:34
End at: 2018-01-25 23:14:04

# Below is generated by plot.py at 2018-01-26 02:27:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 43.805 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 43.805 ms
Loss rate: 0.38%
```

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

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

End at: 2018-01-25 23:25:53

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 47.894 ms

Loss rate: 0.38%

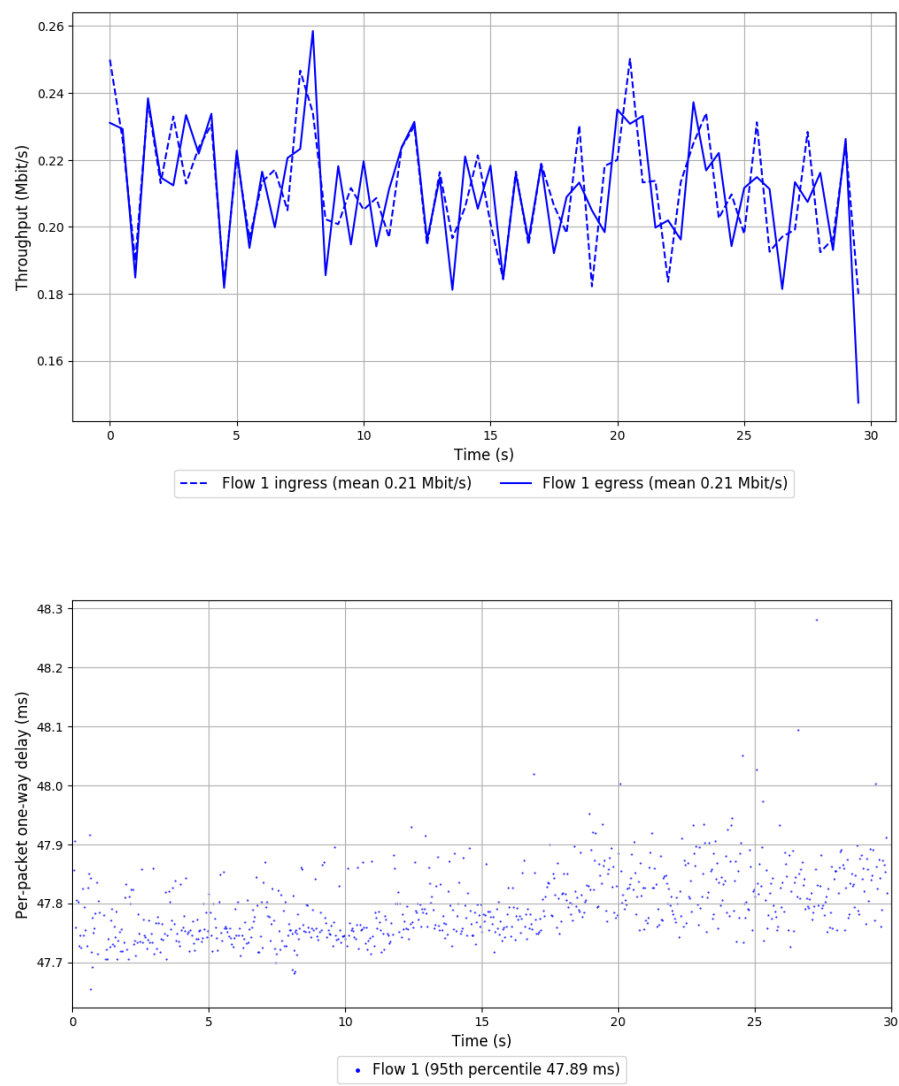
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 47.894 ms

Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-25 23:37:04

End at: 2018-01-25 23:37:34

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 45.877 ms

Loss rate: 0.38%

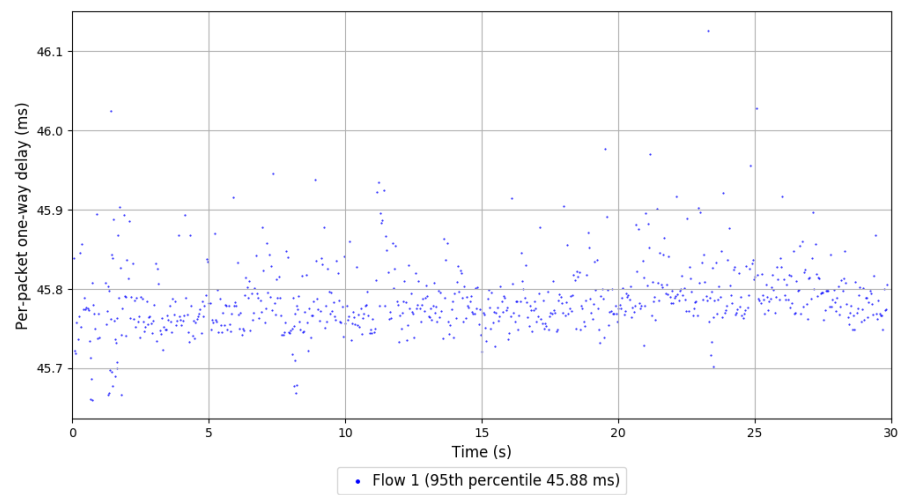
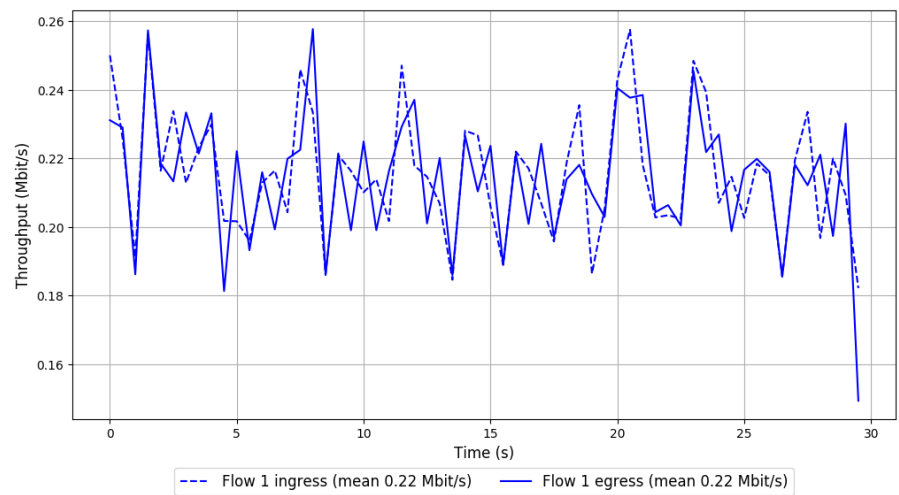
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 45.877 ms

Loss rate: 0.38%

Run 9: Report of SReAM — Data Link

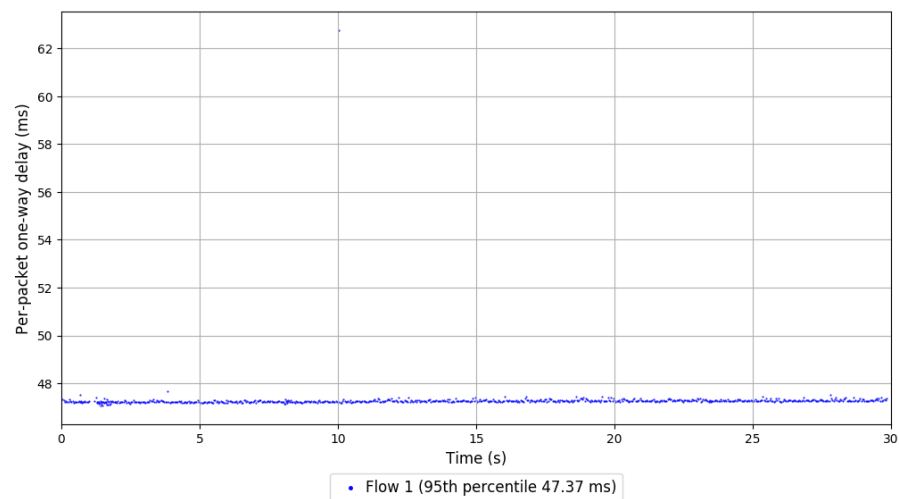
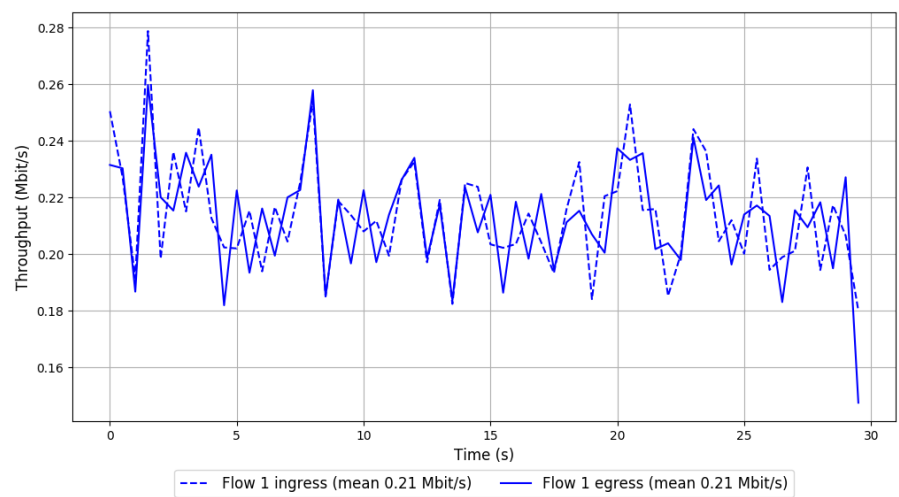


```
Run 10: Statistics of SReAM

Start at: 2018-01-25 23:49:08
End at: 2018-01-25 23:49:38

# Below is generated by plot.py at 2018-01-26 02:27:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 47.367 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 47.367 ms
Loss rate: 0.38%
```

Run 10: Report of SReAM — Data Link

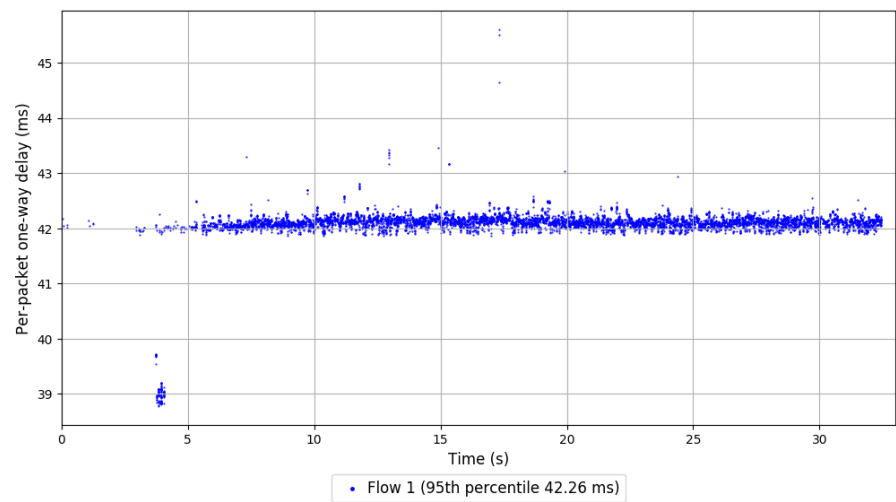
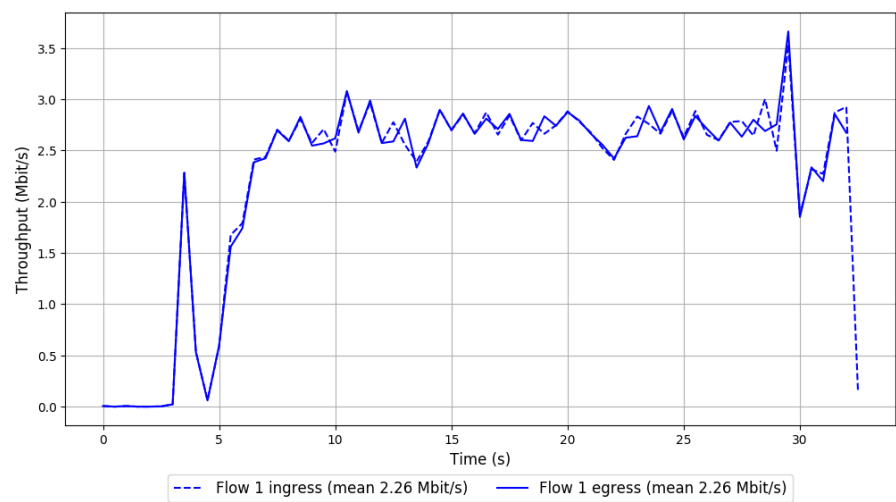


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-25 22:04:37
End at: 2018-01-25 22:05:07

# Below is generated by plot.py at 2018-01-26 02:27:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 42.260 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 42.260 ms
Loss rate: 0.44%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-25 22:16:37

End at: 2018-01-25 22:17:07

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 43.630 ms

Loss rate: 0.30%

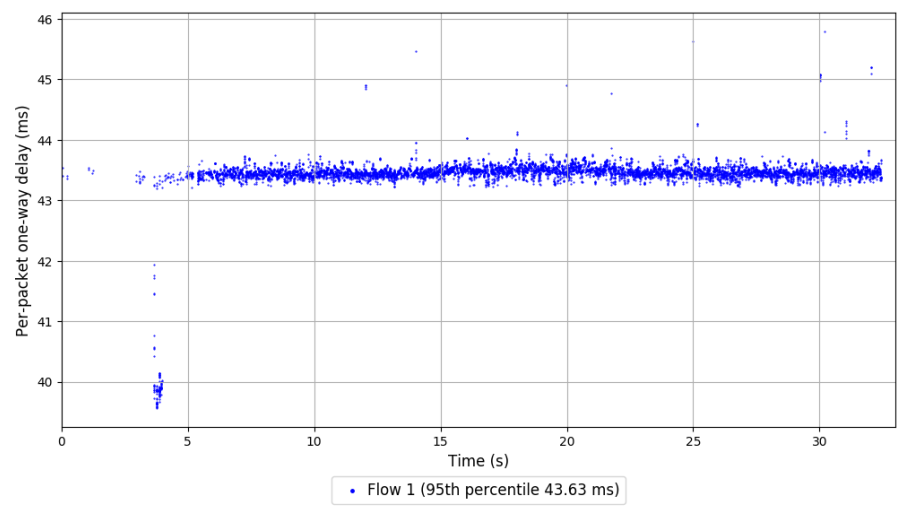
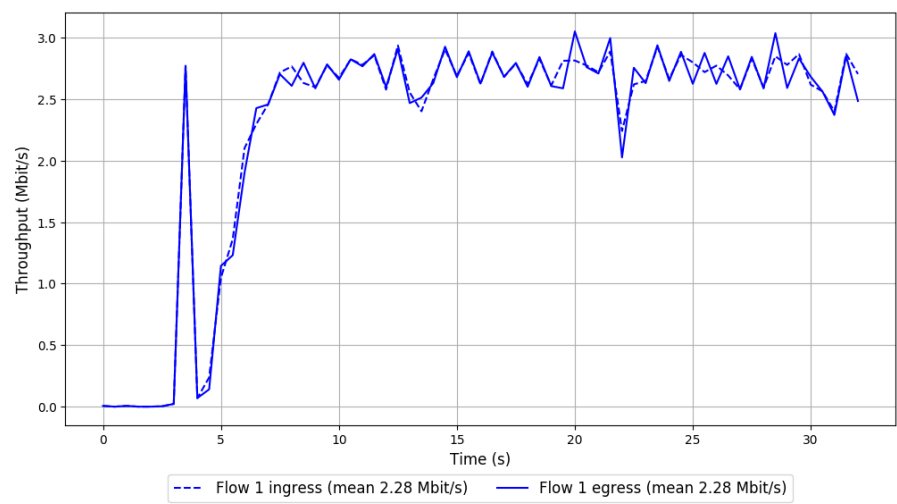
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 43.630 ms

Loss rate: 0.30%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-25 22:28:26

End at: 2018-01-25 22:28:56

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 40.762 ms

Loss rate: 0.29%

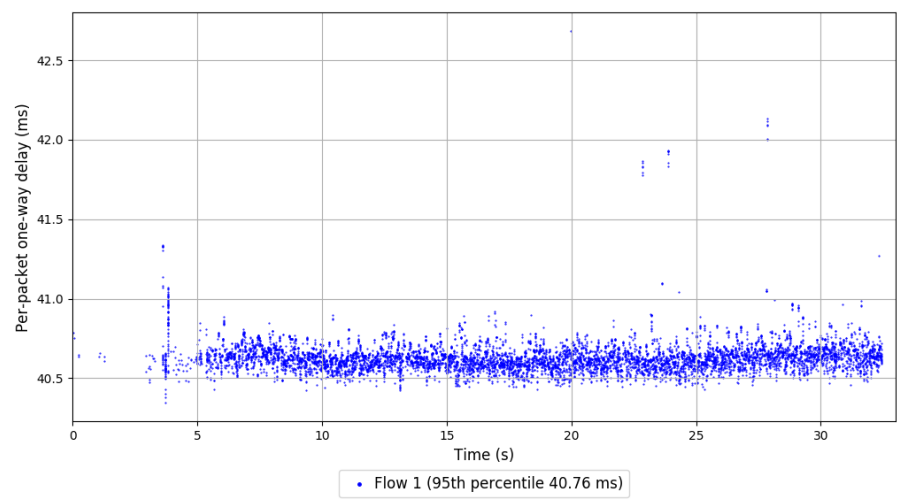
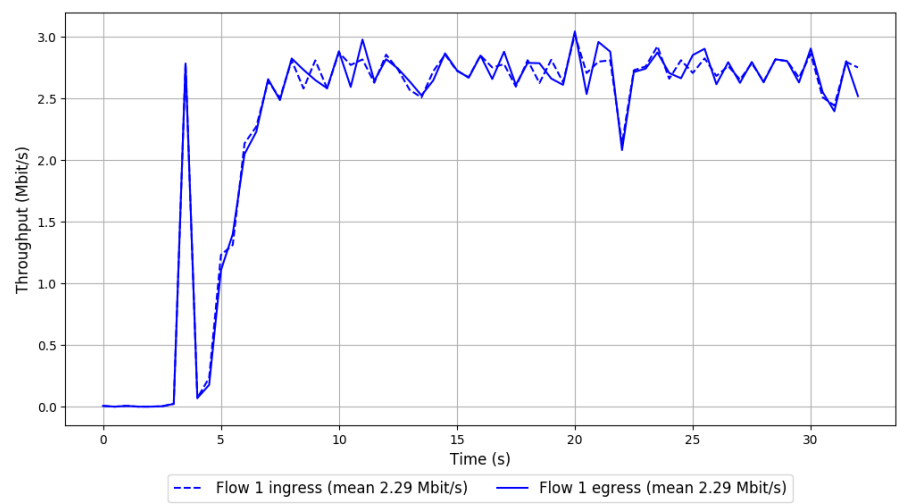
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 40.762 ms

Loss rate: 0.29%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-25 22:40:24

End at: 2018-01-25 22:40:54

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 44.974 ms

Loss rate: 0.35%

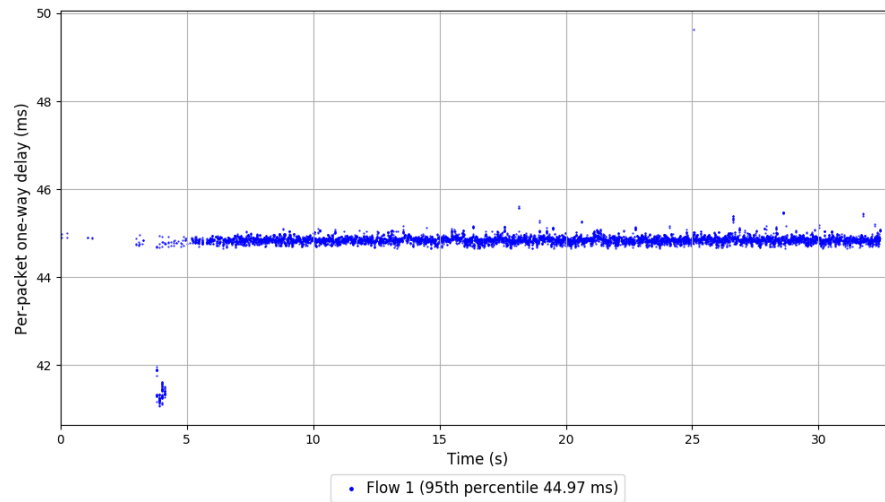
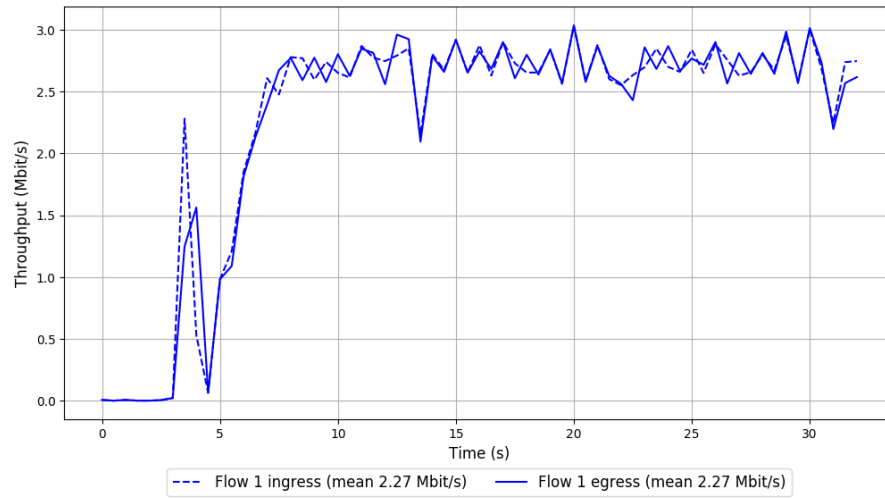
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 44.974 ms

Loss rate: 0.35%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-25 22:52:07

End at: 2018-01-25 22:52:37

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 44.843 ms

Loss rate: 0.45%

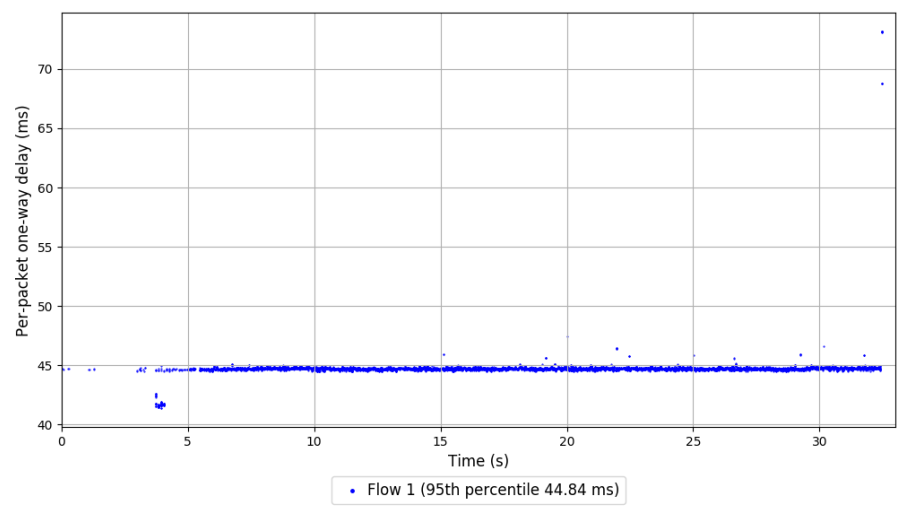
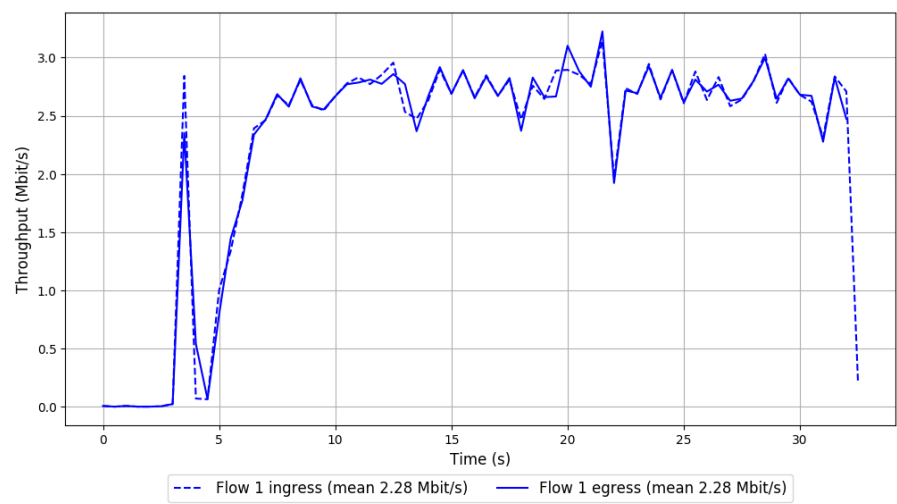
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 44.843 ms

Loss rate: 0.45%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

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

End at: 2018-01-25 23:04:34

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 46.583 ms

Loss rate: 0.45%

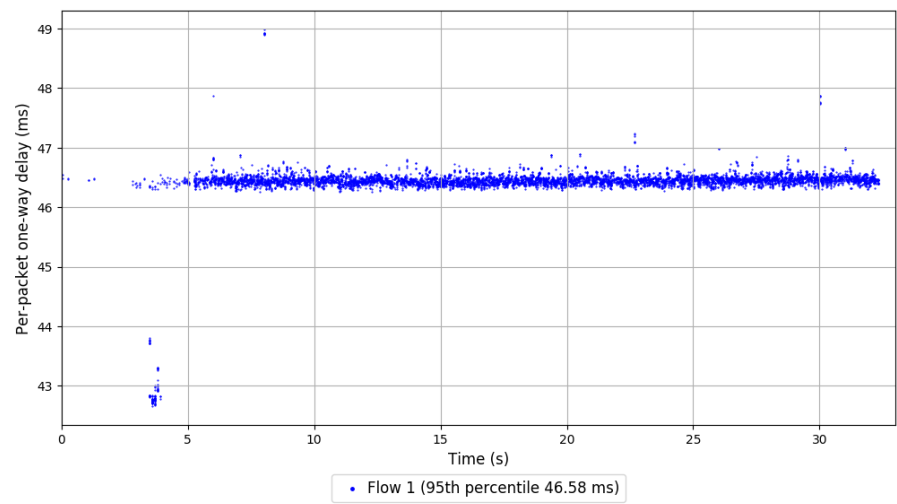
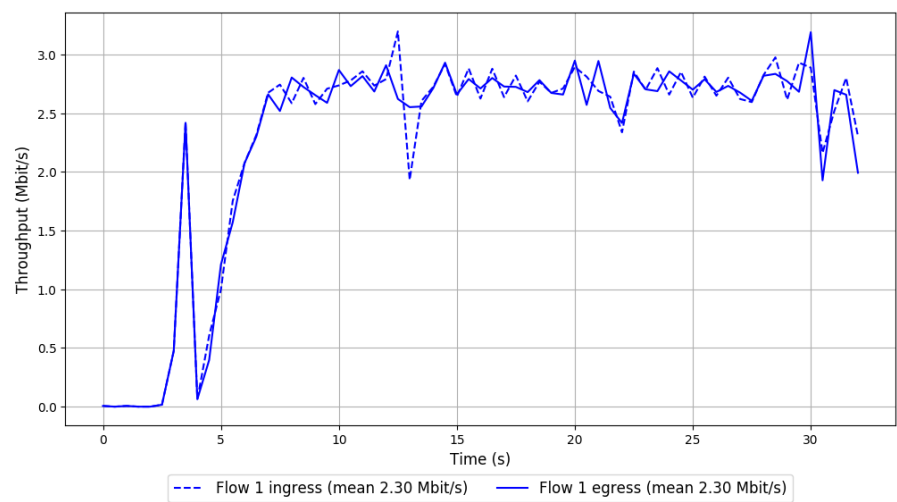
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 46.583 ms

Loss rate: 0.45%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-25 23:16:17

End at: 2018-01-25 23:16:47

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 44.413 ms

Loss rate: 0.45%

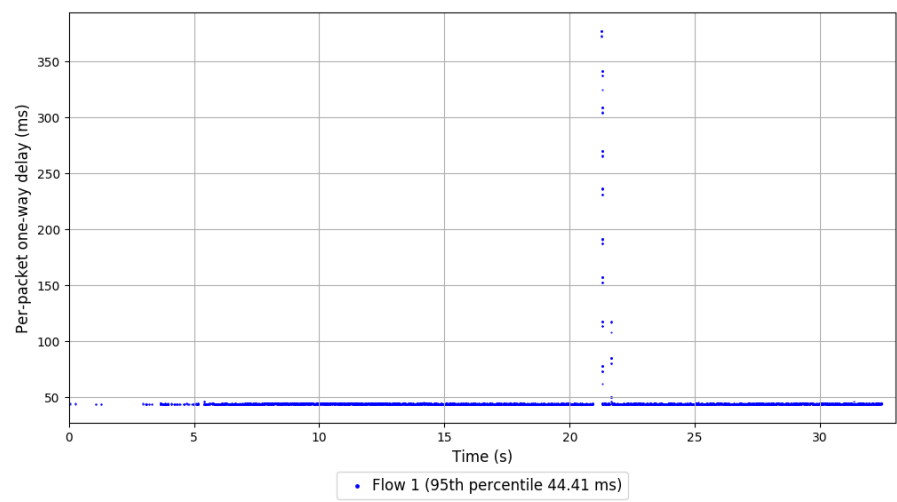
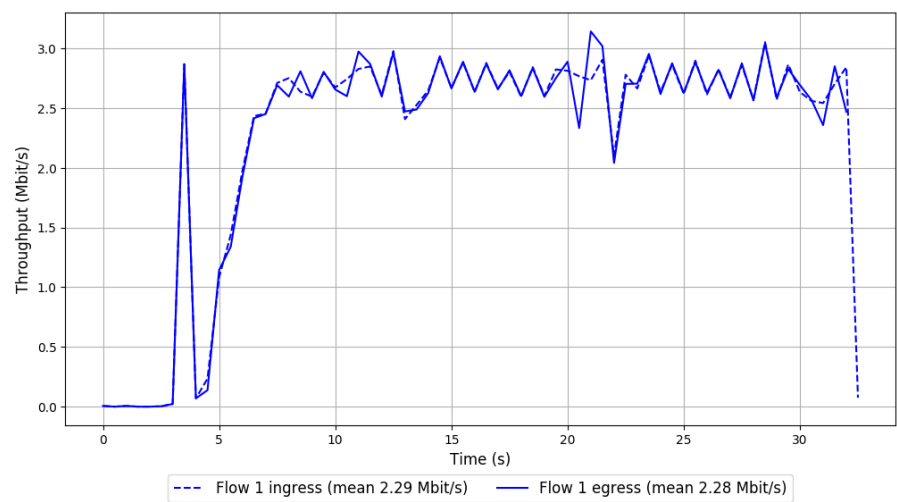
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 44.413 ms

Loss rate: 0.45%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-25 23:28:06

End at: 2018-01-25 23:28:36

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 48.636 ms

Loss rate: 0.48%

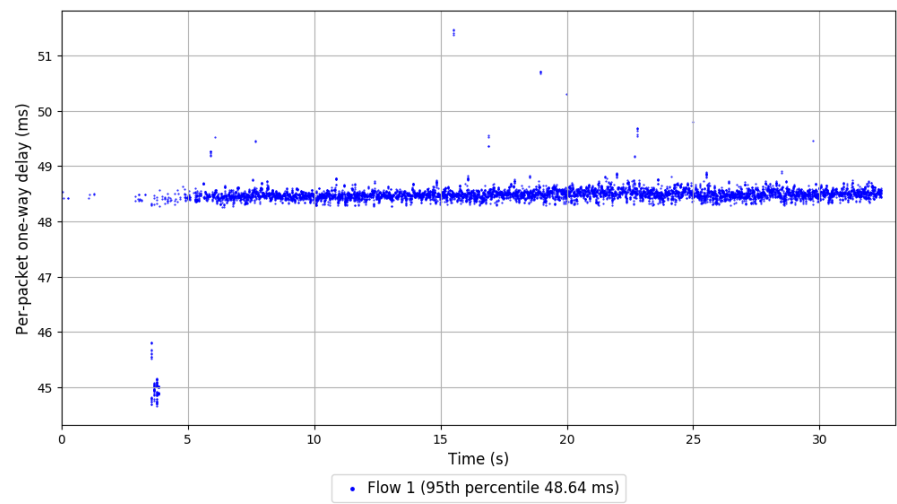
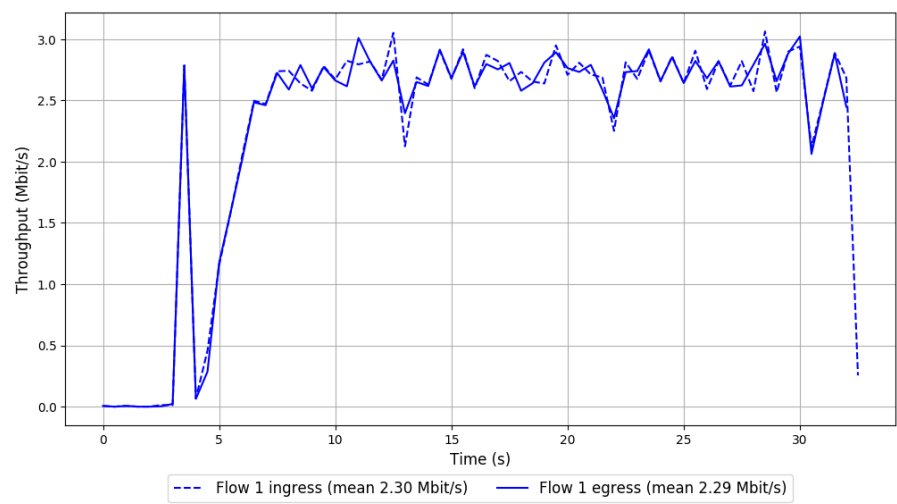
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 48.636 ms

Loss rate: 0.48%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-25 23:39:46

End at: 2018-01-25 23:40:16

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 46.196 ms

Loss rate: 0.46%

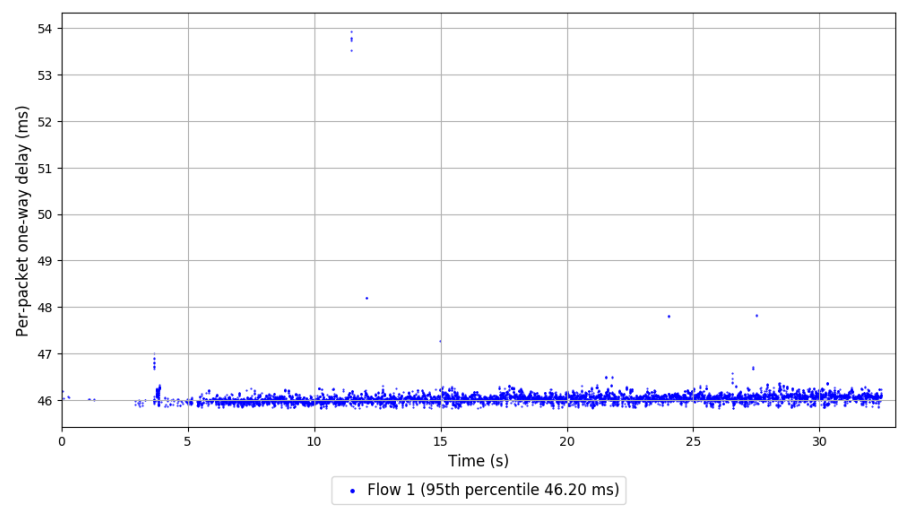
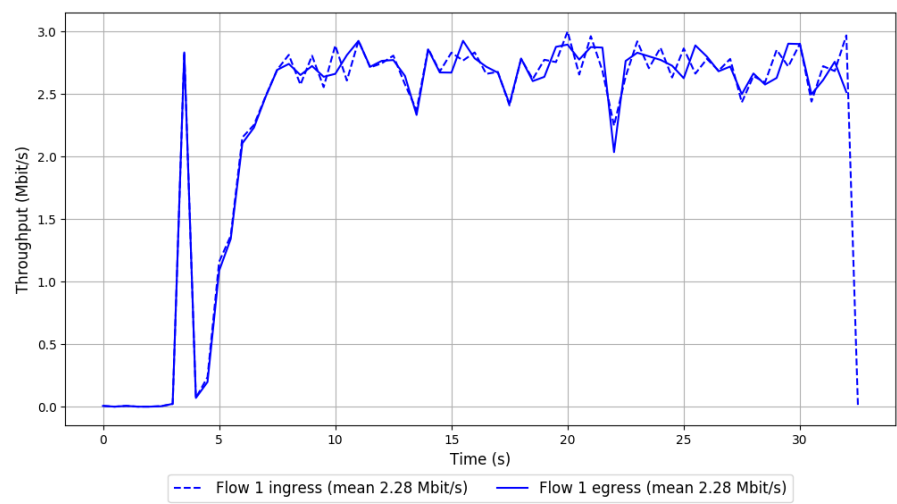
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 46.196 ms

Loss rate: 0.46%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-25 23:51:50

End at: 2018-01-25 23:52:20

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 47.287 ms

Loss rate: 0.30%

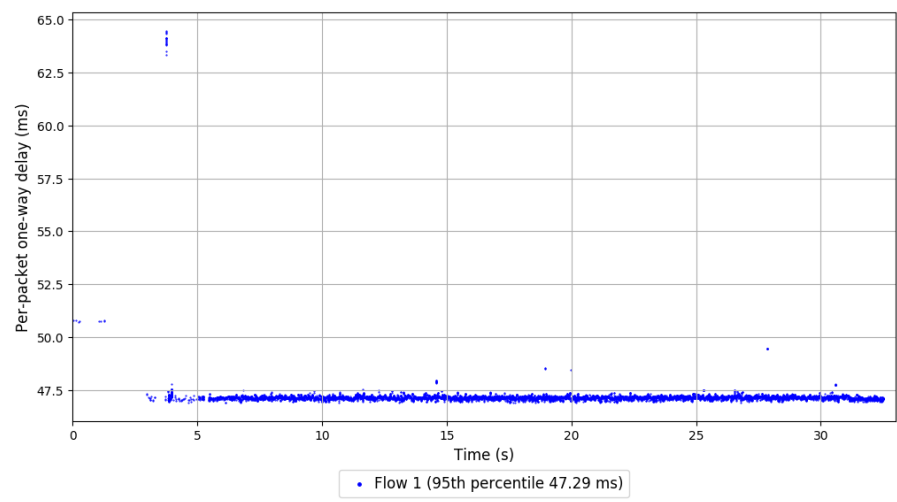
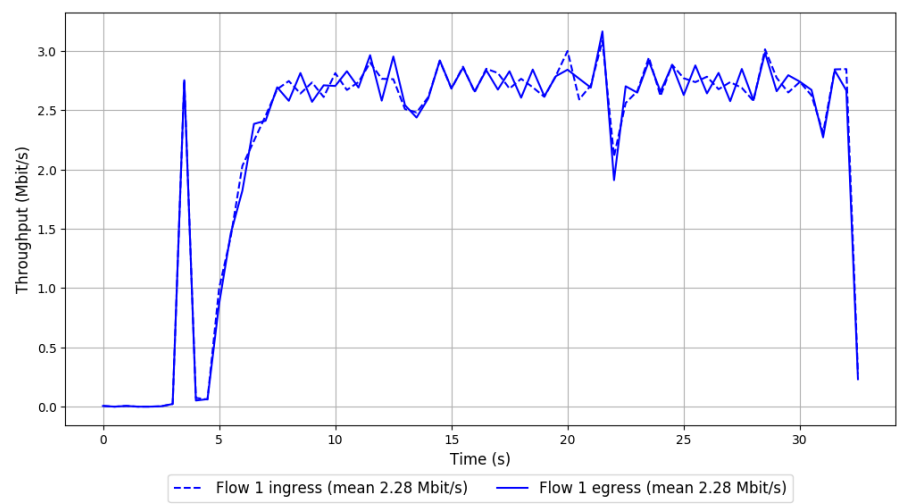
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 47.287 ms

Loss rate: 0.30%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-01-25 22:00:18

End at: 2018-01-25 22:00:48

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 43.133 ms

Loss rate: 1.17%

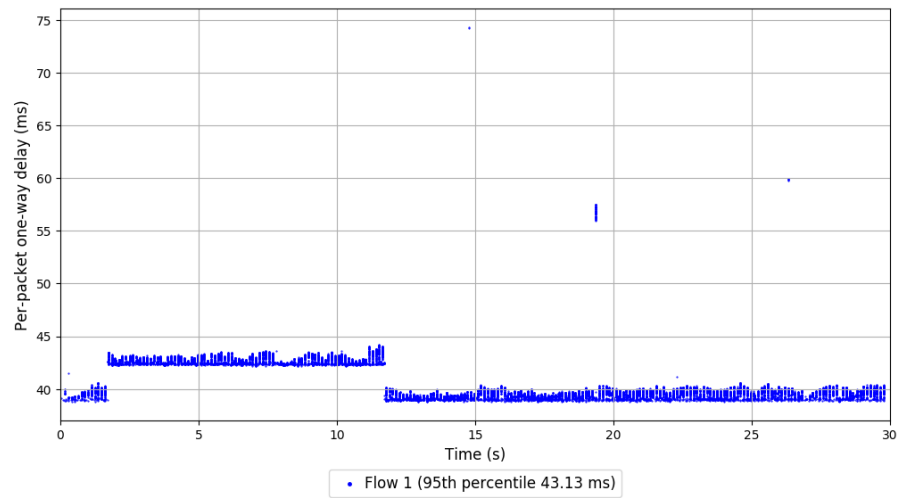
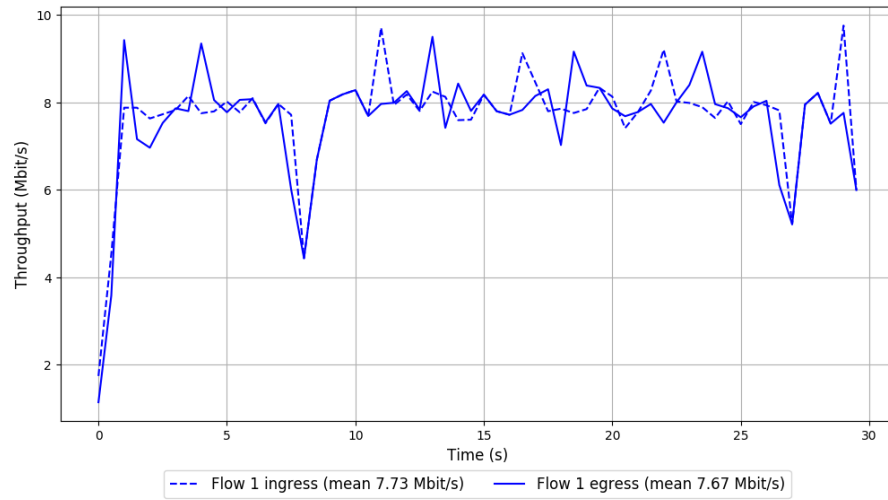
-- Flow 1:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 43.133 ms

Loss rate: 1.17%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-25 22:12:15

End at: 2018-01-25 22:12:45

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 43.632 ms

Loss rate: 1.24%

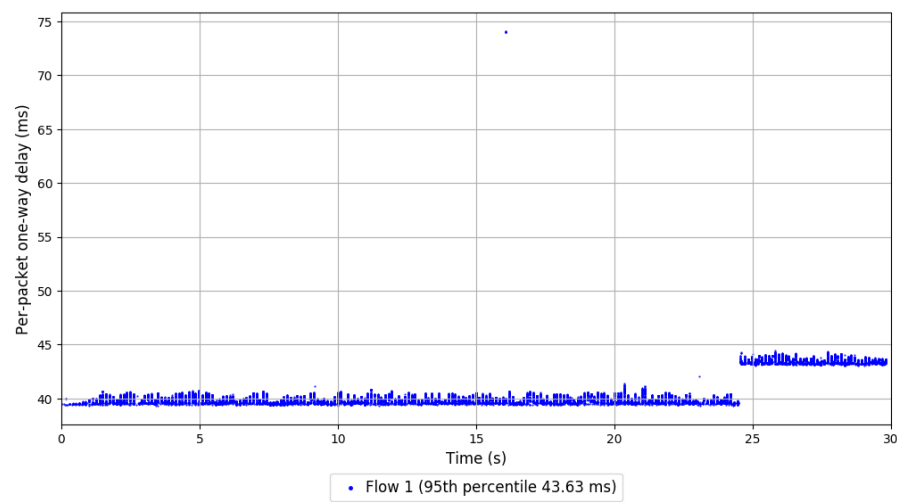
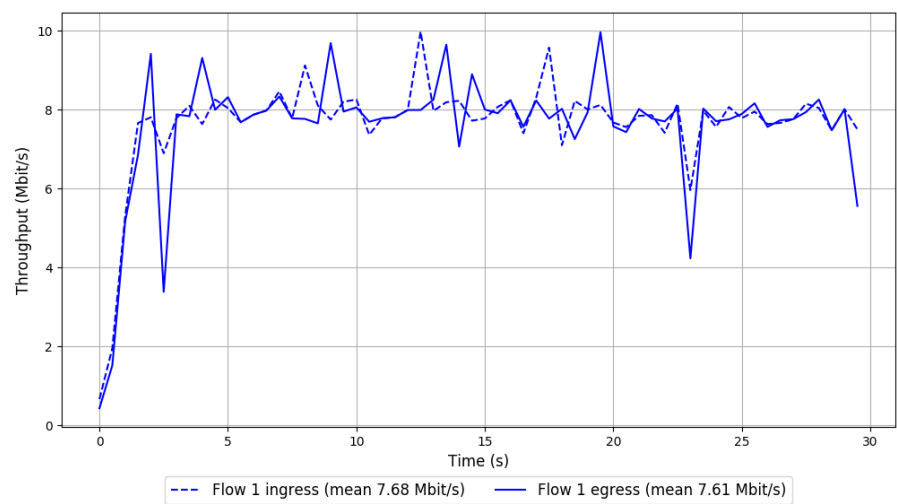
-- Flow 1:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 43.632 ms

Loss rate: 1.24%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-25 22:24:10

End at: 2018-01-25 22:24:40

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.47 Mbit/s

95th percentile per-packet one-way delay: 44.860 ms

Loss rate: 1.12%

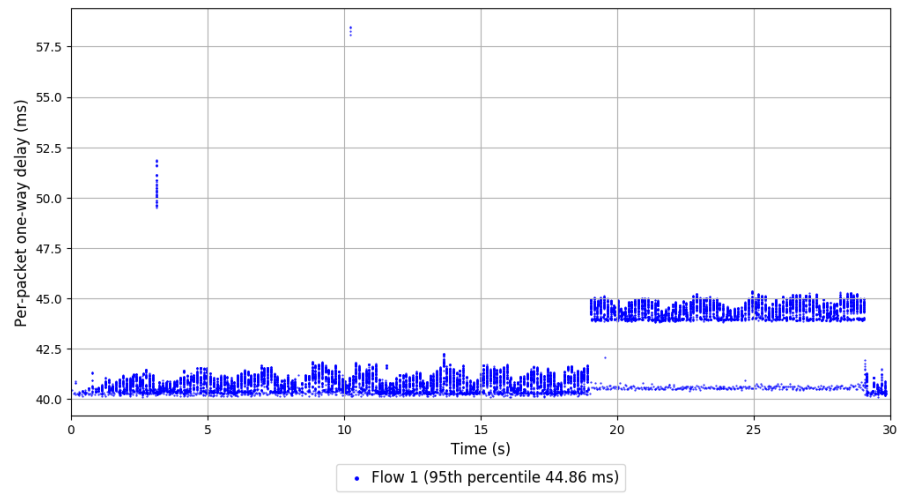
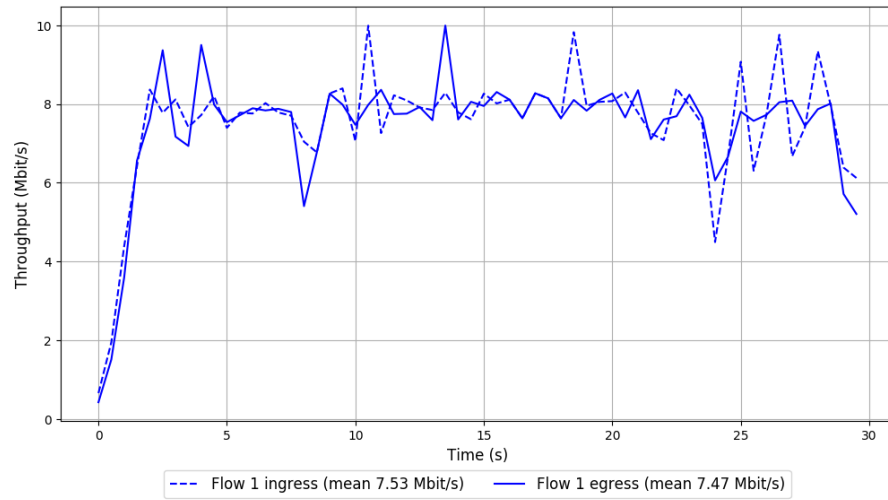
-- Flow 1:

Average throughput: 7.47 Mbit/s

95th percentile per-packet one-way delay: 44.860 ms

Loss rate: 1.12%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-25 22:36:08

End at: 2018-01-25 22:36:38

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 42.980 ms

Loss rate: 0.49%

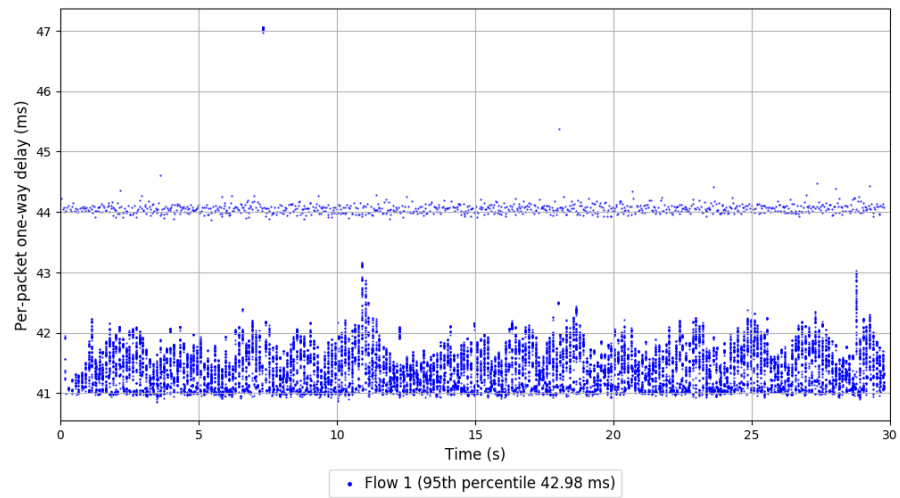
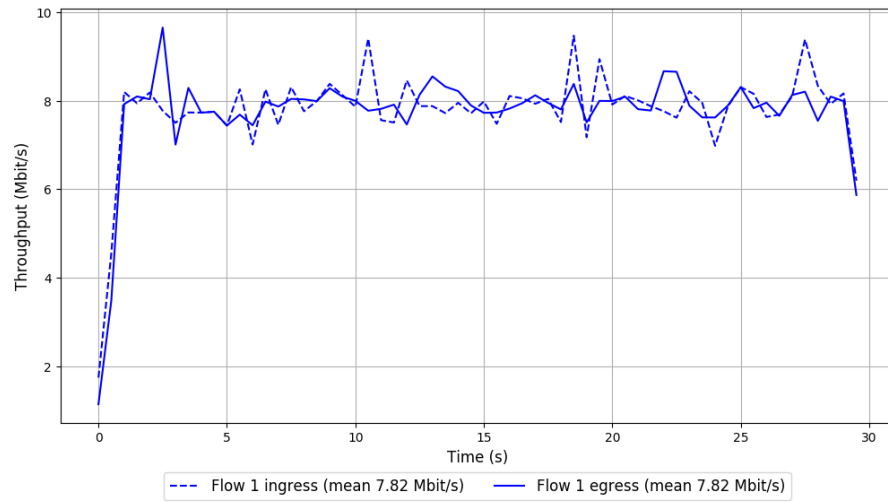
-- Flow 1:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 42.980 ms

Loss rate: 0.49%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

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

End at: 2018-01-25 22:48:17

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 43.410 ms

Loss rate: 0.82%

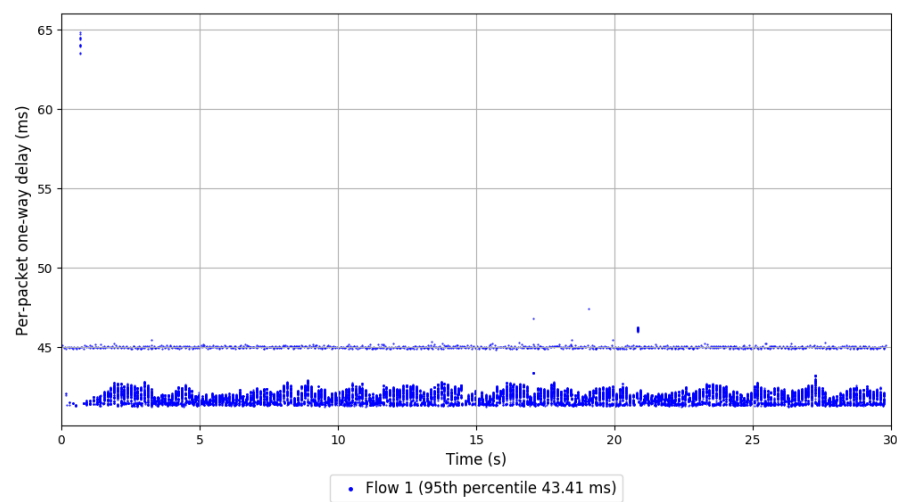
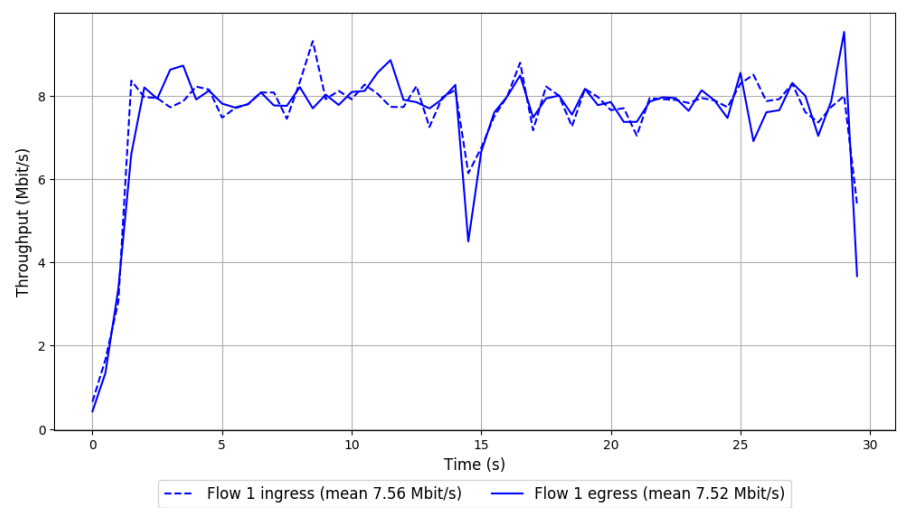
-- Flow 1:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 43.410 ms

Loss rate: 0.82%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-25 22:59:43

End at: 2018-01-25 23:00:14

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 46.938 ms

Loss rate: 0.43%

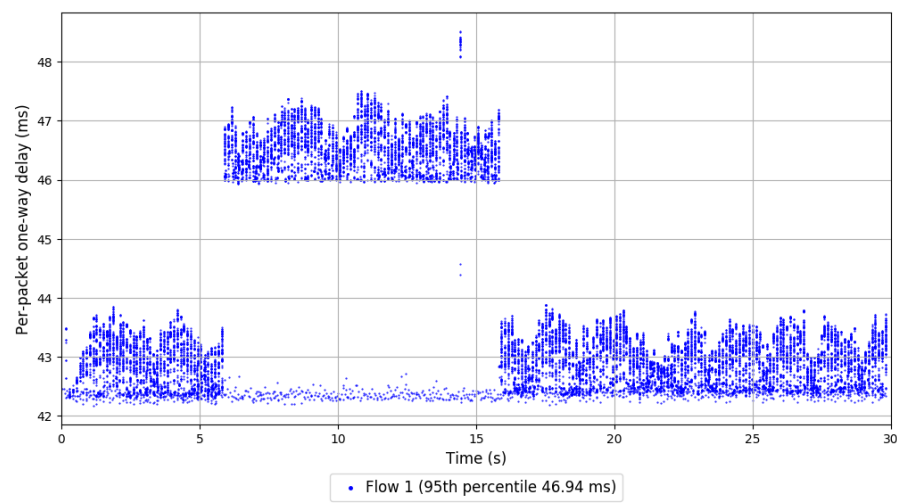
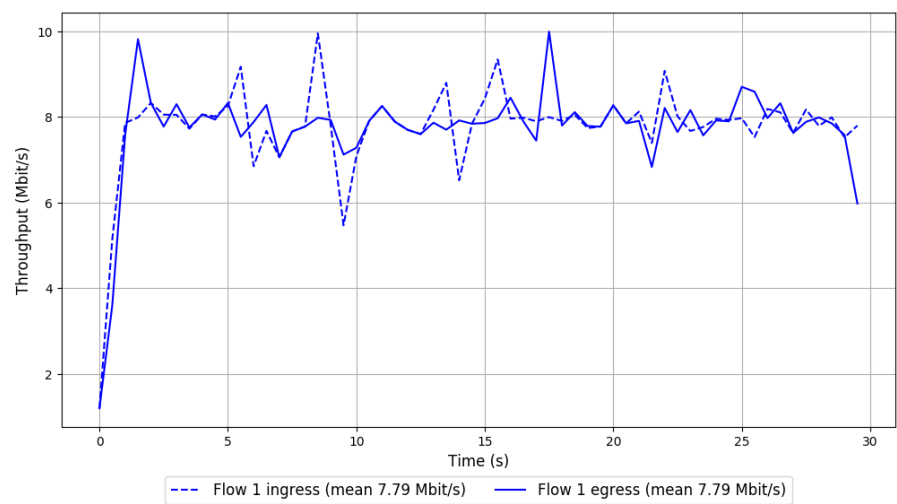
-- Flow 1:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 46.938 ms

Loss rate: 0.43%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-25 23:11:58

End at: 2018-01-25 23:12:28

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.77 Mbit/s

95th percentile per-packet one-way delay: 44.993 ms

Loss rate: 0.04%

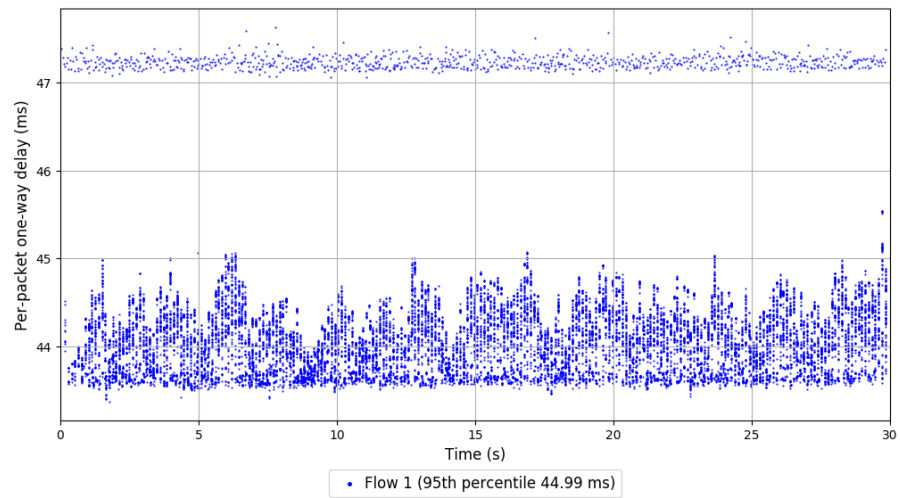
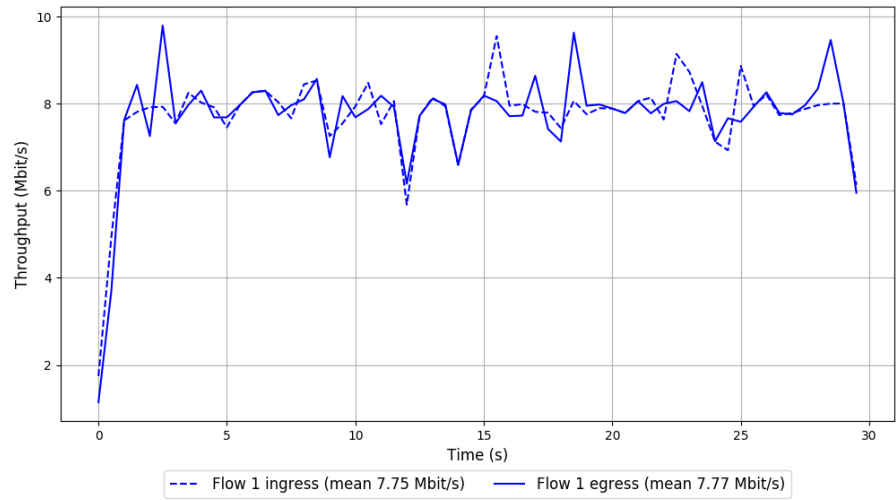
-- Flow 1:

Average throughput: 7.77 Mbit/s

95th percentile per-packet one-way delay: 44.993 ms

Loss rate: 0.04%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

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

End at: 2018-01-25 23:24:17

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.57 Mbit/s

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

Loss rate: 1.45%

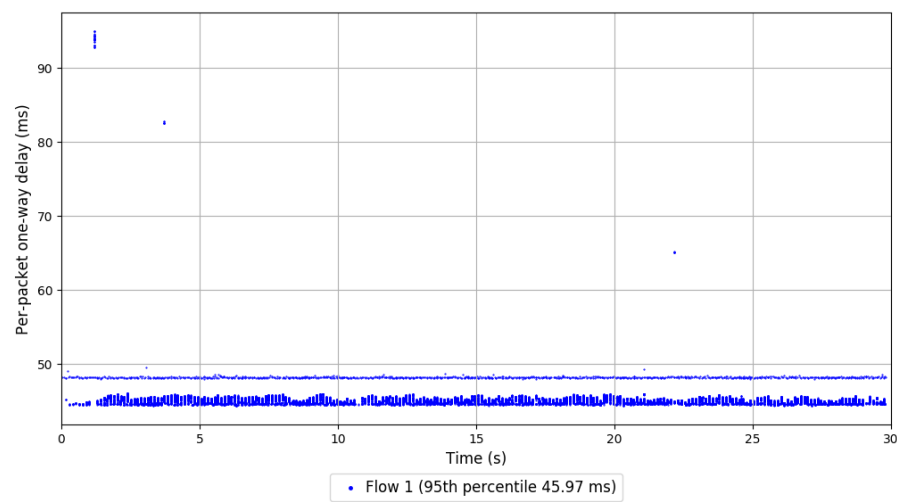
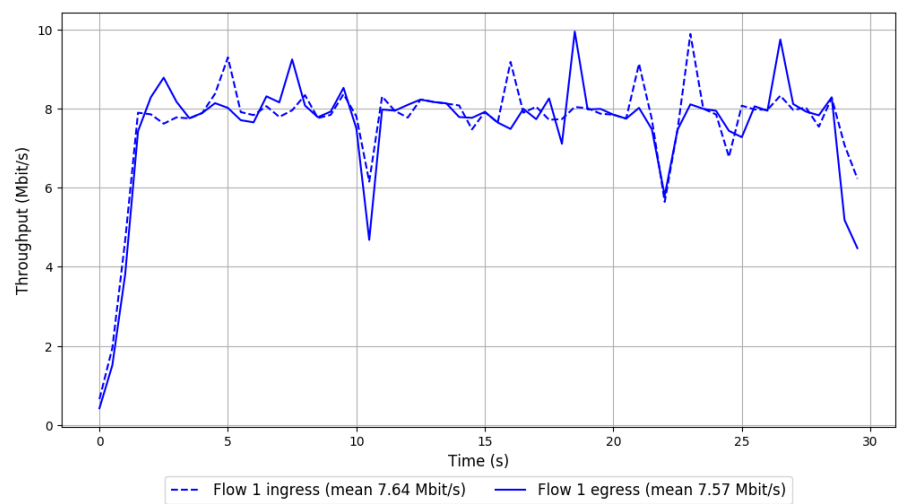
-- Flow 1:

Average throughput: 7.57 Mbit/s

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

Loss rate: 1.45%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

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

End at: 2018-01-25 23:36:00

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 46.717 ms

Loss rate: 2.11%

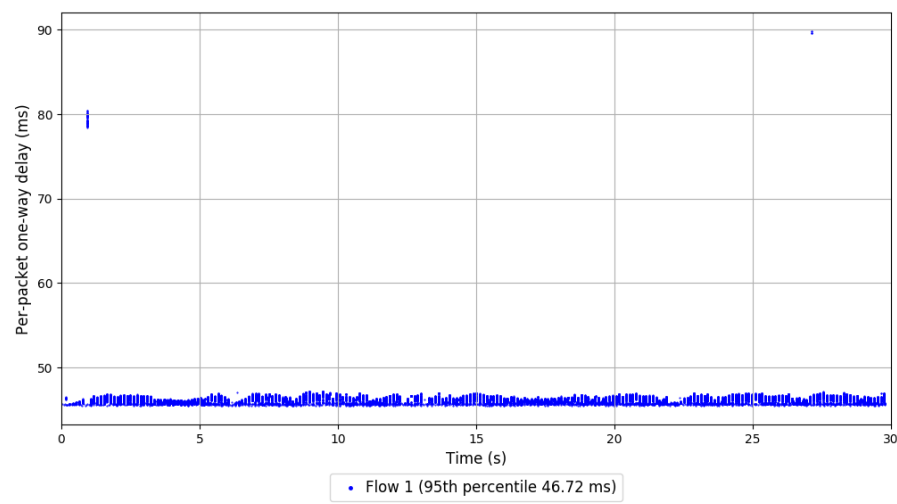
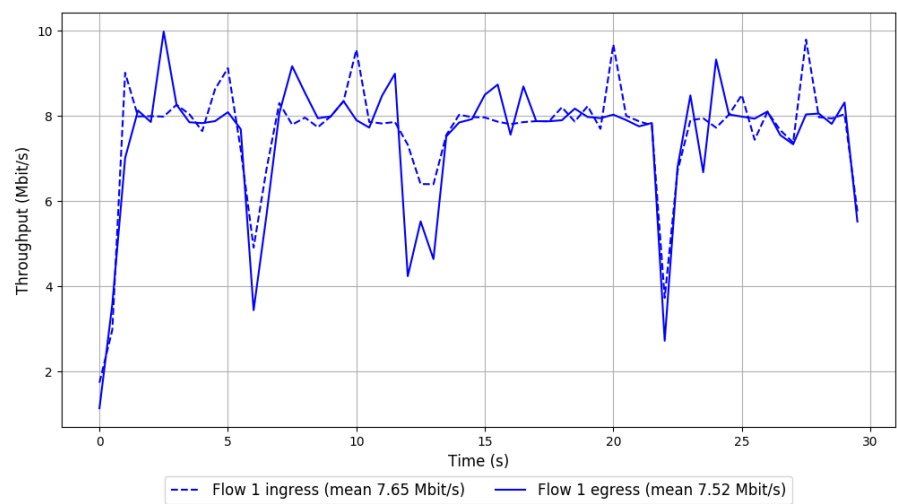
-- Flow 1:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 46.717 ms

Loss rate: 2.11%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-25 23:47:33

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

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.72 Mbit/s

95th percentile per-packet one-way delay: 47.940 ms

Loss rate: 0.95%

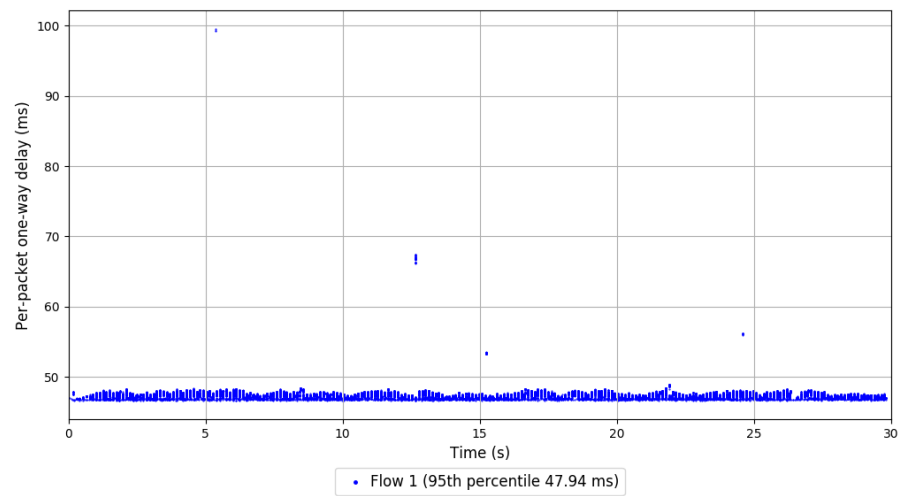
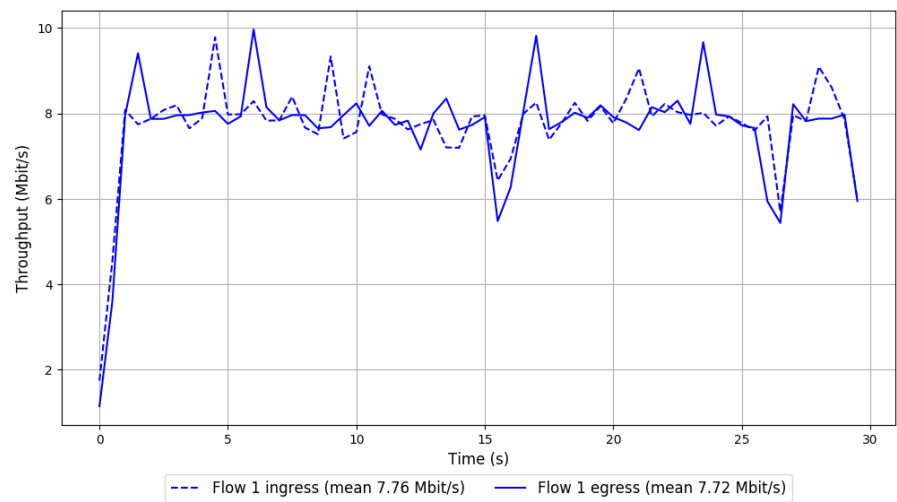
-- Flow 1:

Average throughput: 7.72 Mbit/s

95th percentile per-packet one-way delay: 47.940 ms

Loss rate: 0.95%

Run 10: Report of Sprout — Data Link

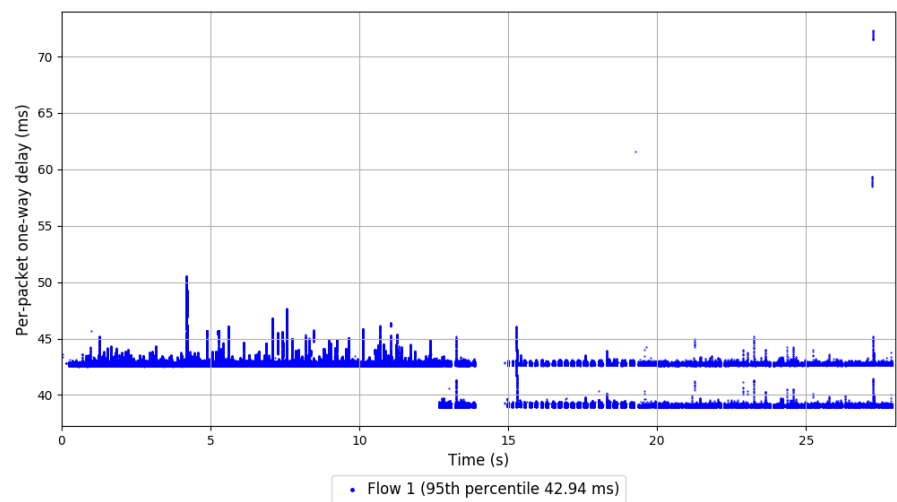
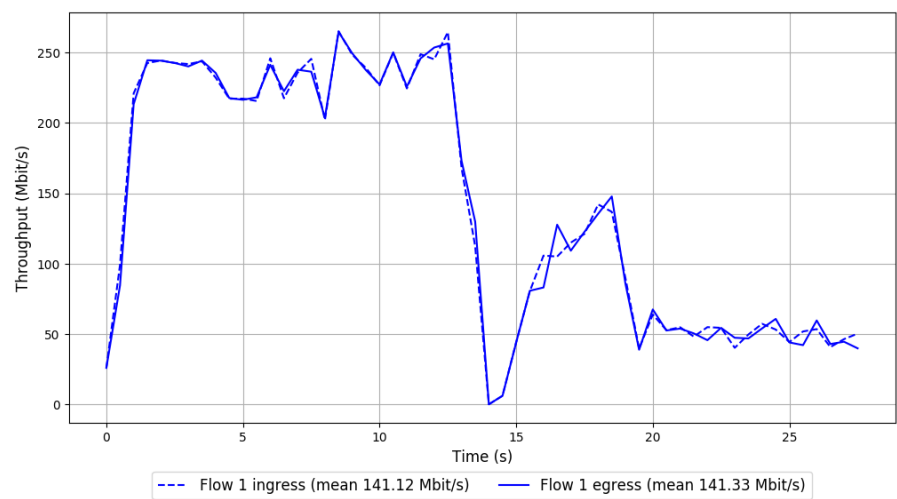


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-25 22:06:55
End at: 2018-01-25 22:07:25

# Below is generated by plot.py at 2018-01-26 02:27:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 141.33 Mbit/s
95th percentile per-packet one-way delay: 42.944 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 141.33 Mbit/s
95th percentile per-packet one-way delay: 42.944 ms
Loss rate: 0.19%
```

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

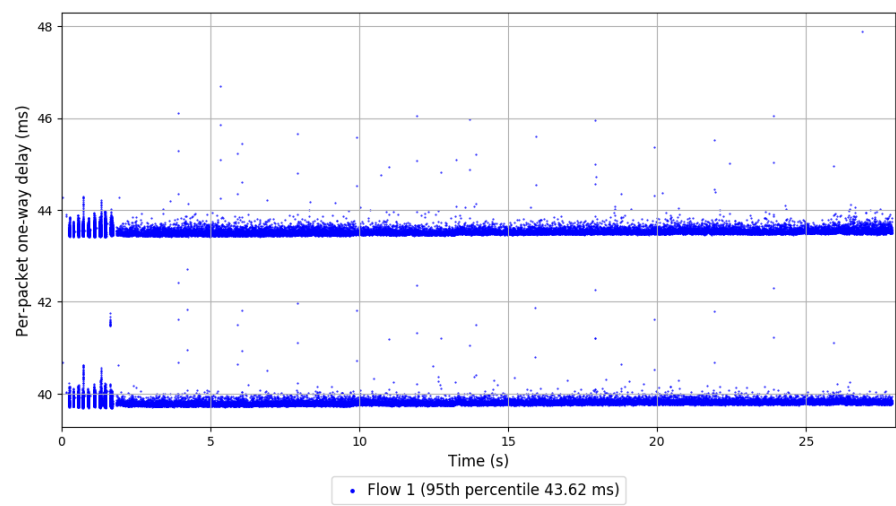
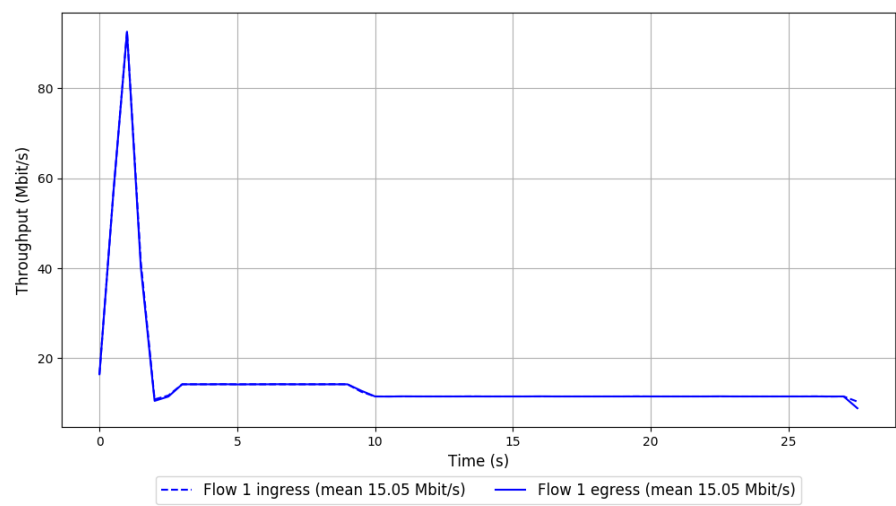


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-25 22:19:00
End at: 2018-01-25 22:19:30

# Below is generated by plot.py at 2018-01-26 02:27:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 43.622 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 43.622 ms
Loss rate: 0.36%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-25 22:30:46

End at: 2018-01-25 22:31:16

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.68 Mbit/s

95th percentile per-packet one-way delay: 41.126 ms

Loss rate: 0.53%

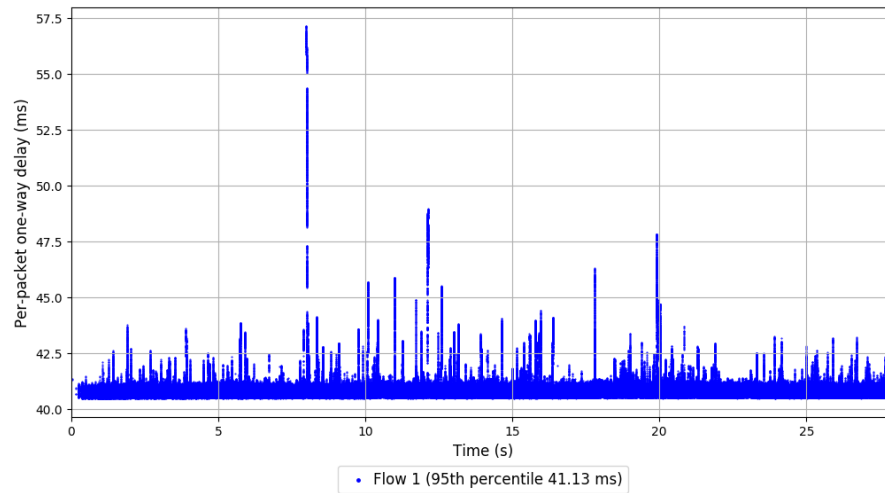
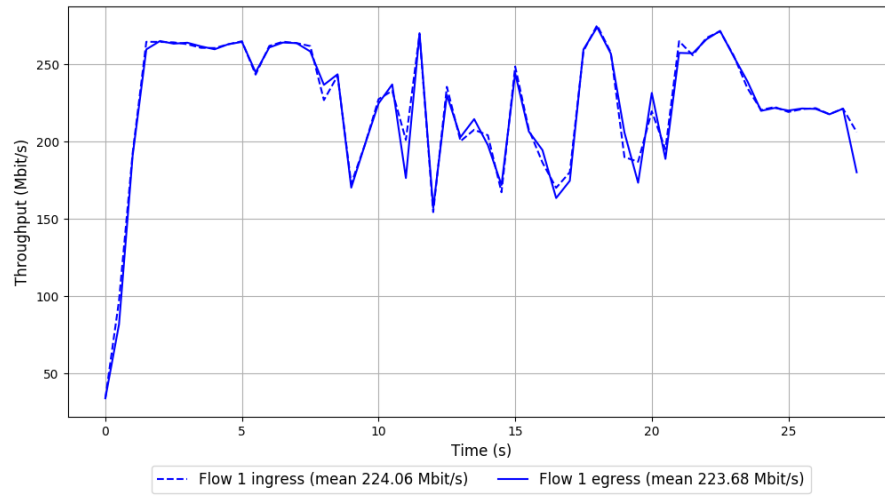
-- Flow 1:

Average throughput: 223.68 Mbit/s

95th percentile per-packet one-way delay: 41.126 ms

Loss rate: 0.53%

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

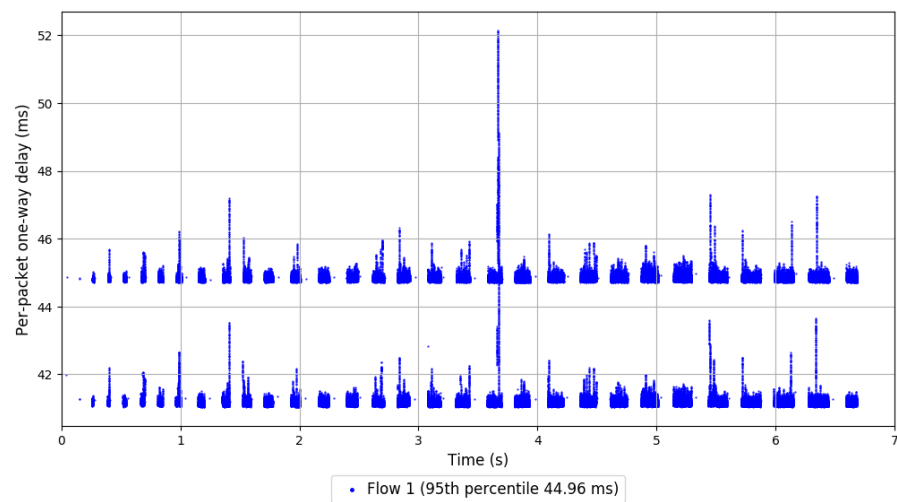
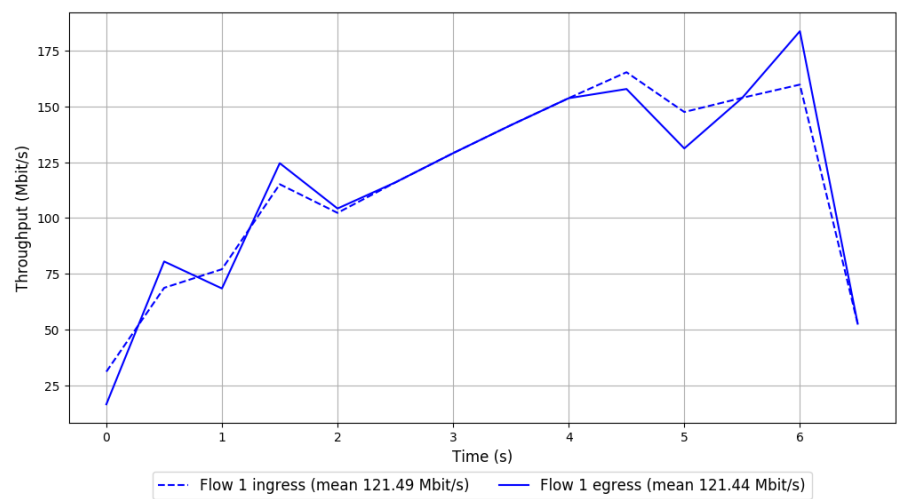


Run 4: Statistics of TaoVA-100x

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

End at: 2018-01-25 22:43:12

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-25 22:54:26

End at: 2018-01-25 22:54:57

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.28 Mbit/s

95th percentile per-packet one-way delay: 45.507 ms

Loss rate: 0.18%

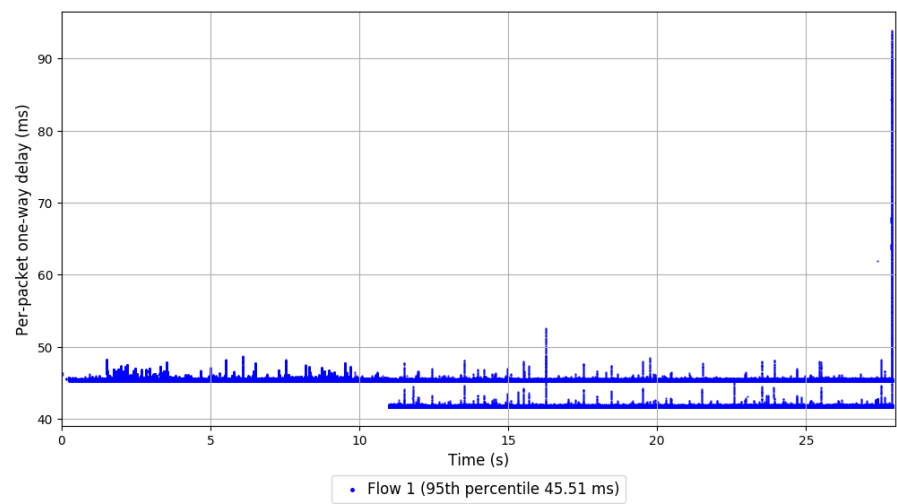
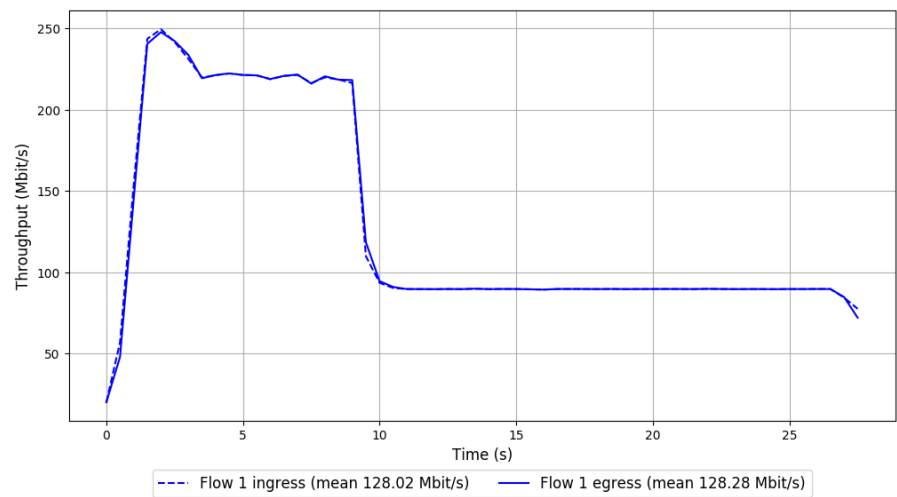
-- Flow 1:

Average throughput: 128.28 Mbit/s

95th percentile per-packet one-way delay: 45.507 ms

Loss rate: 0.18%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-25 23:06:27

End at: 2018-01-25 23:06:57

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.72 Mbit/s

95th percentile per-packet one-way delay: 43.447 ms

Loss rate: 0.38%

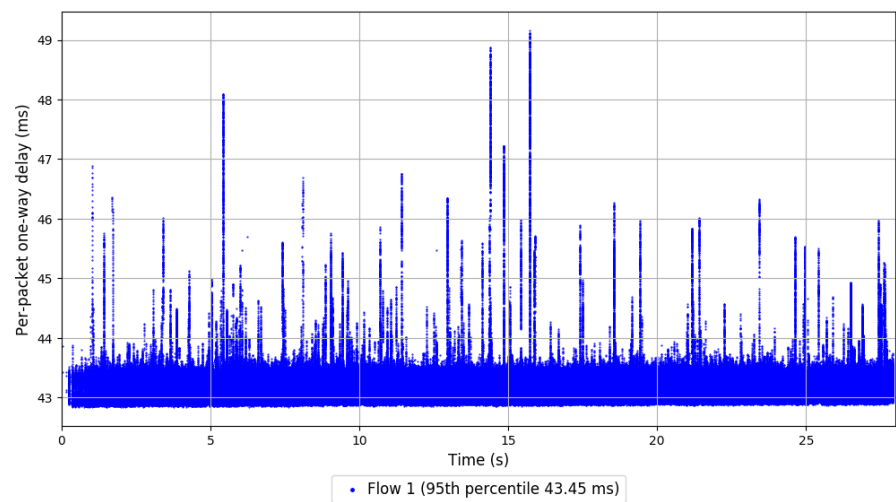
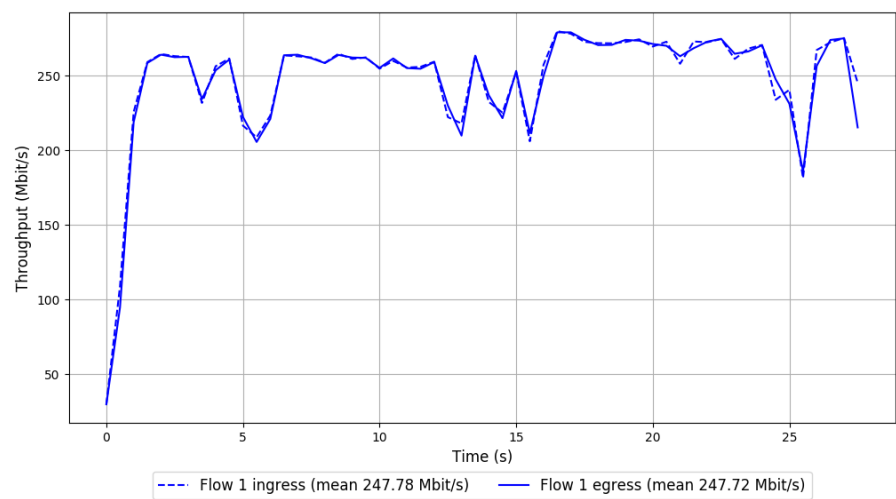
-- Flow 1:

Average throughput: 247.72 Mbit/s

95th percentile per-packet one-way delay: 43.447 ms

Loss rate: 0.38%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-25 23:18:36

End at: 2018-01-25 23:19:06

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 47.818 ms

Loss rate: 0.58%

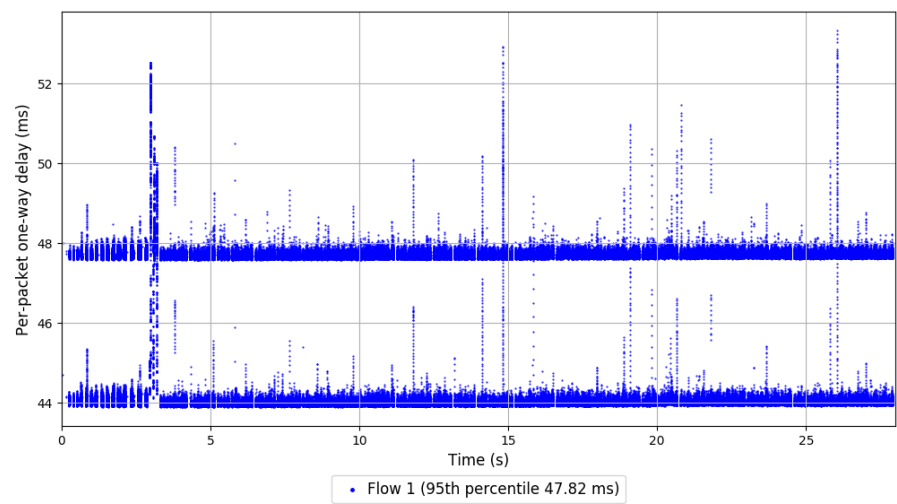
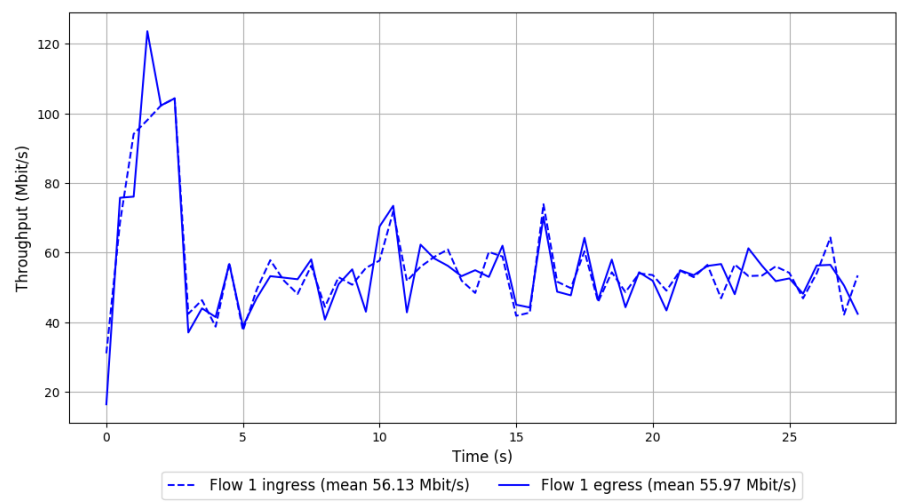
-- Flow 1:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 47.818 ms

Loss rate: 0.58%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-25 23:30:26

End at: 2018-01-25 23:30:56

Below is generated by plot.py at 2018-01-26 02:27:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.66 Mbit/s

95th percentile per-packet one-way delay: 48.758 ms

Loss rate: 0.48%

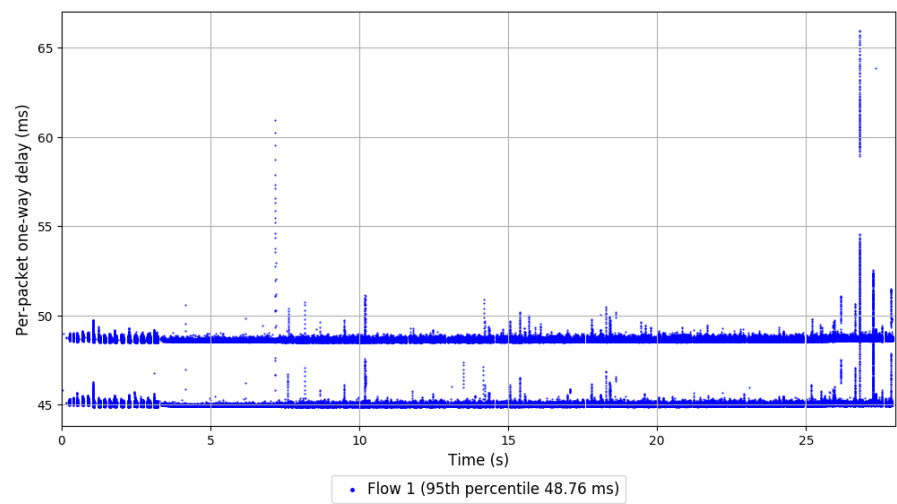
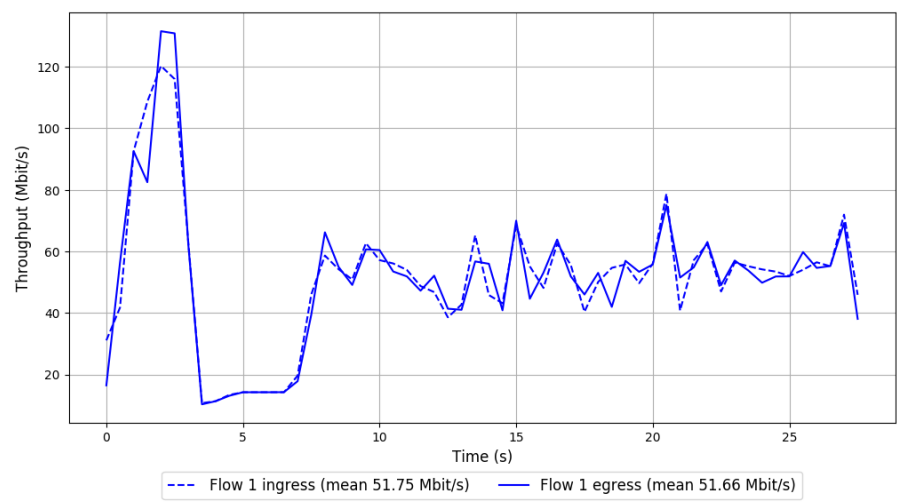
-- Flow 1:

Average throughput: 51.66 Mbit/s

95th percentile per-packet one-way delay: 48.758 ms

Loss rate: 0.48%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-25 23:42:07

End at: 2018-01-25 23:42:37

Below is generated by plot.py at 2018-01-26 02:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.07 Mbit/s

95th percentile per-packet one-way delay: 46.400 ms

Loss rate: 0.47%

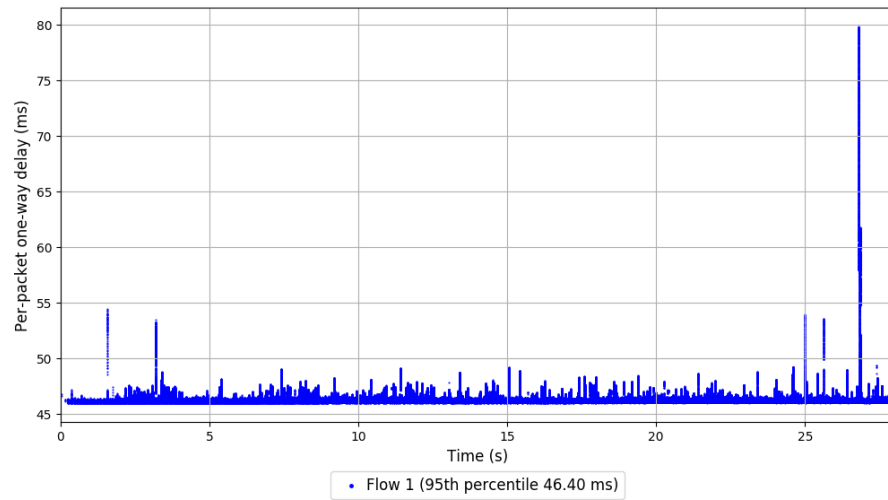
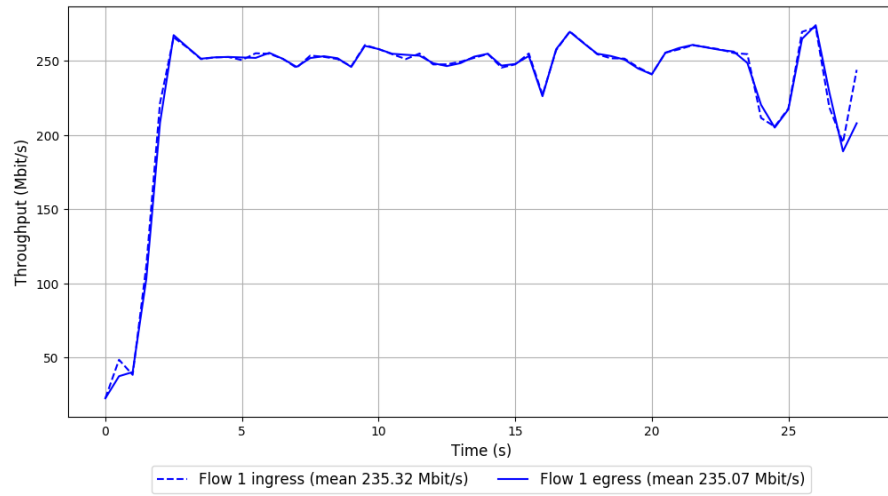
-- Flow 1:

Average throughput: 235.07 Mbit/s

95th percentile per-packet one-way delay: 46.400 ms

Loss rate: 0.47%

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

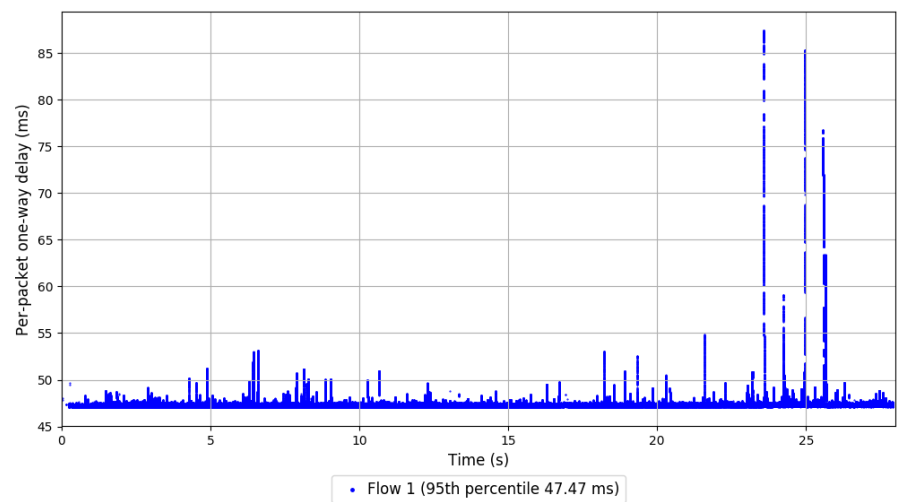
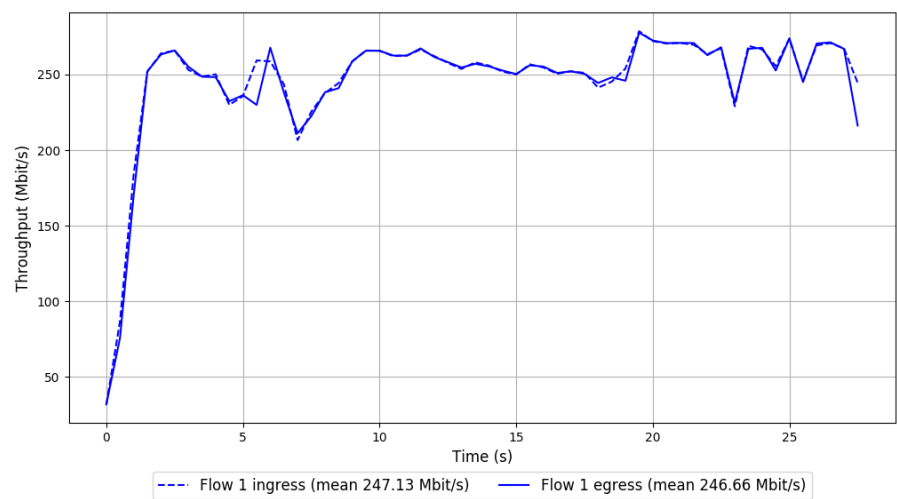


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-25 23:54:10
End at: 2018-01-25 23:54:40

# Below is generated by plot.py at 2018-01-26 02:29:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.66 Mbit/s
95th percentile per-packet one-way delay: 47.466 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 246.66 Mbit/s
95th percentile per-packet one-way delay: 47.466 ms
Loss rate: 0.56%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-25 22:03:57

End at: 2018-01-25 22:04:27

Below is generated by plot.py at 2018-01-26 02:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.41 Mbit/s

95th percentile per-packet one-way delay: 39.749 ms

Loss rate: 0.50%

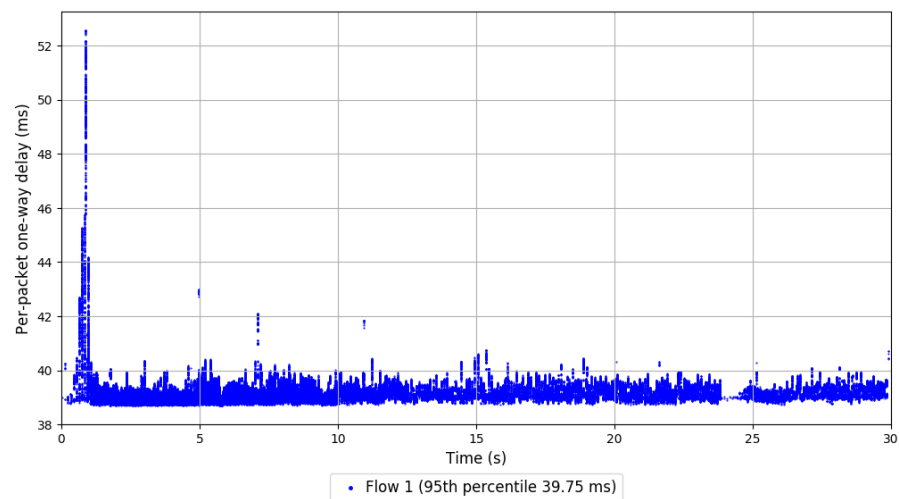
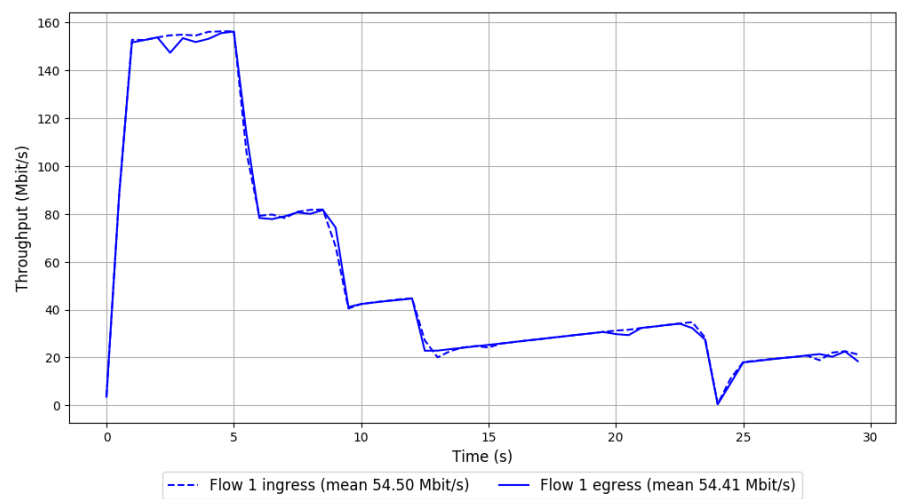
-- Flow 1:

Average throughput: 54.41 Mbit/s

95th percentile per-packet one-way delay: 39.749 ms

Loss rate: 0.50%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-25 22:15:56

End at: 2018-01-25 22:16:26

Below is generated by plot.py at 2018-01-26 02:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.12 Mbit/s

95th percentile per-packet one-way delay: 40.879 ms

Loss rate: 1.42%

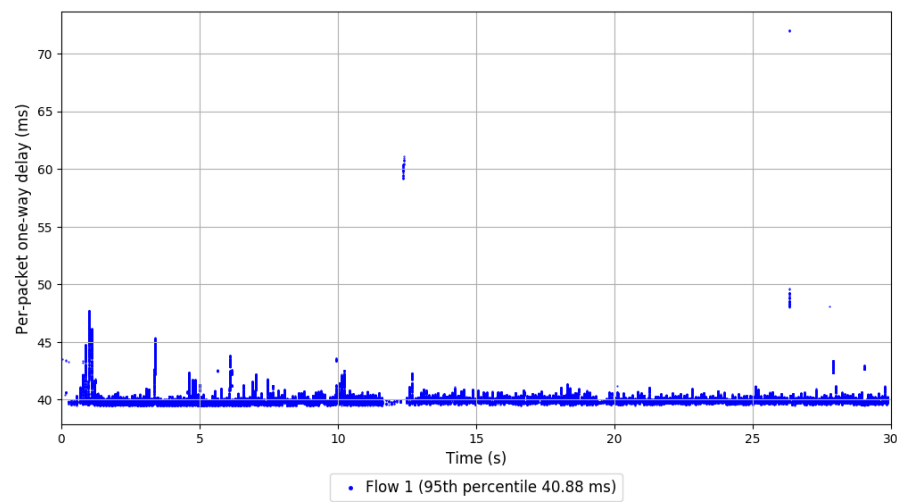
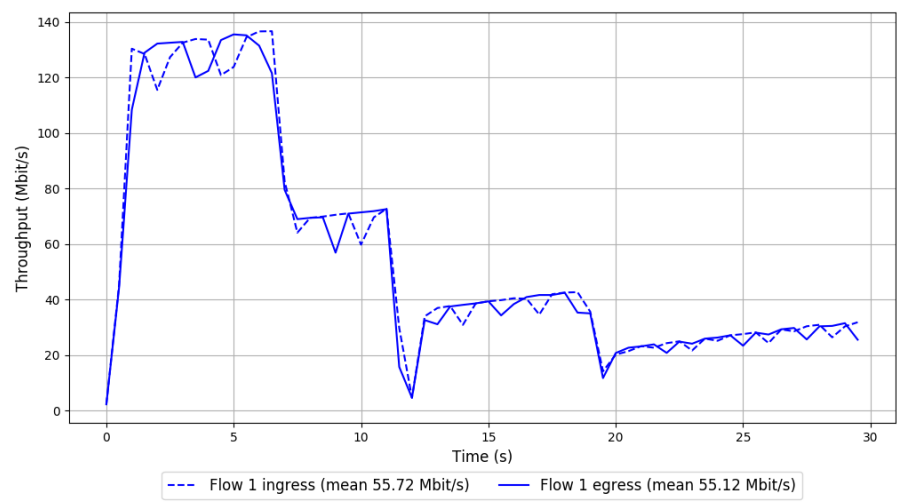
-- Flow 1:

Average throughput: 55.12 Mbit/s

95th percentile per-packet one-way delay: 40.879 ms

Loss rate: 1.42%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

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

End at: 2018-01-25 22:28:17

Below is generated by plot.py at 2018-01-26 02:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 41.413 ms

Loss rate: 1.27%

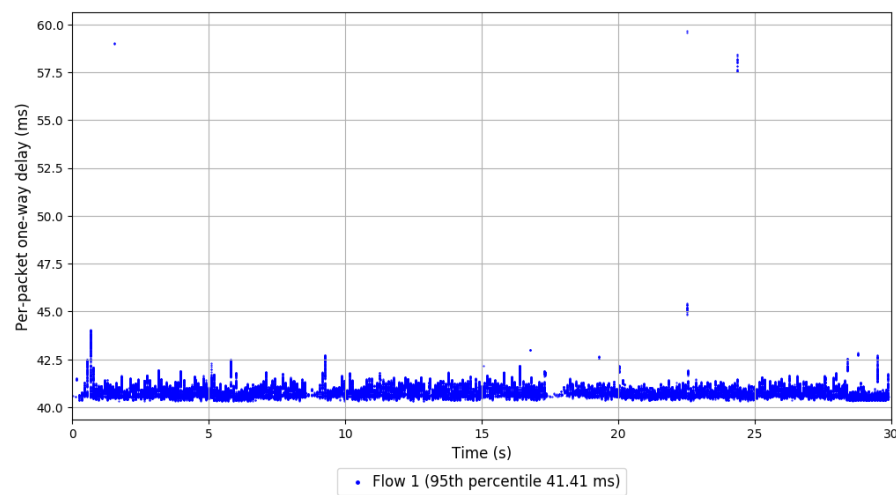
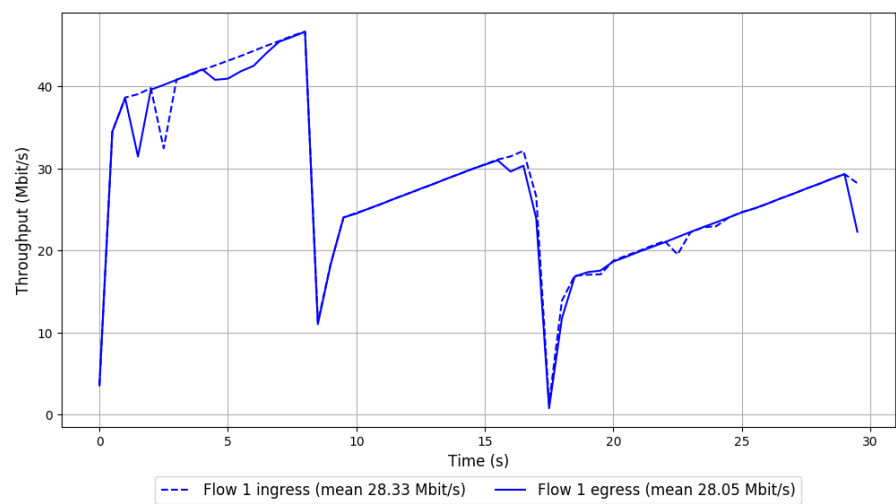
-- Flow 1:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 41.413 ms

Loss rate: 1.27%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

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

End at: 2018-01-25 22:40:14

Below is generated by plot.py at 2018-01-26 02:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.12 Mbit/s

95th percentile per-packet one-way delay: 42.758 ms

Loss rate: 1.80%

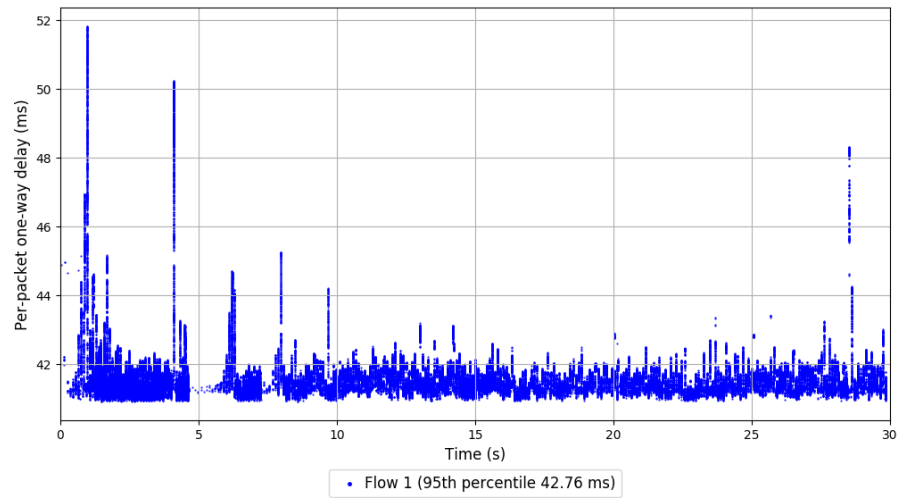
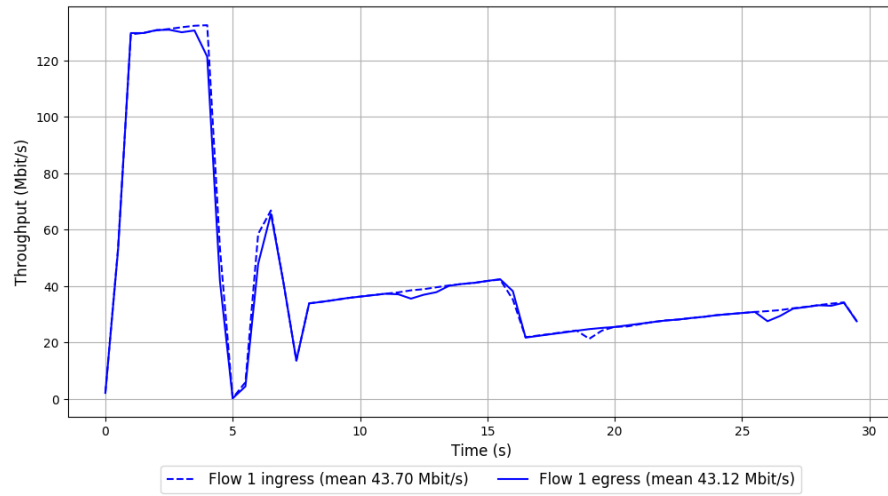
-- Flow 1:

Average throughput: 43.12 Mbit/s

95th percentile per-packet one-way delay: 42.758 ms

Loss rate: 1.80%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-25 22:51:27

End at: 2018-01-25 22:51:57

Below is generated by plot.py at 2018-01-26 02:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.34 Mbit/s

95th percentile per-packet one-way delay: 42.538 ms

Loss rate: 1.61%

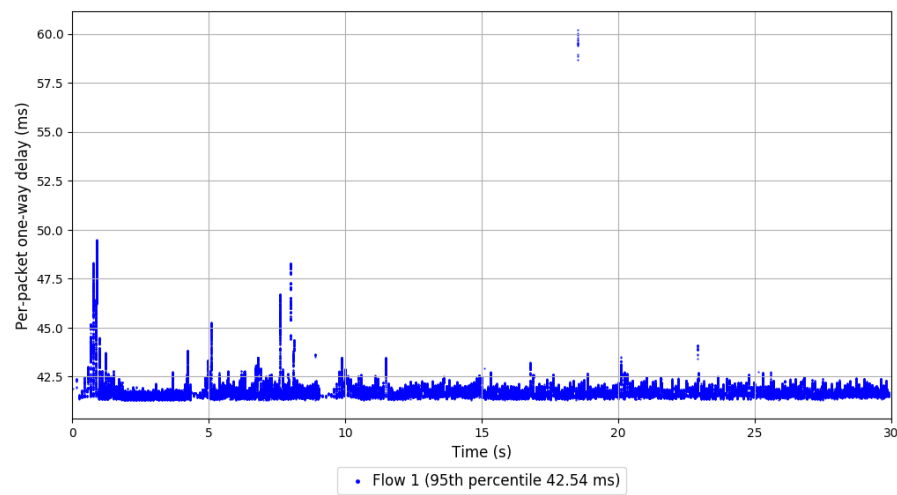
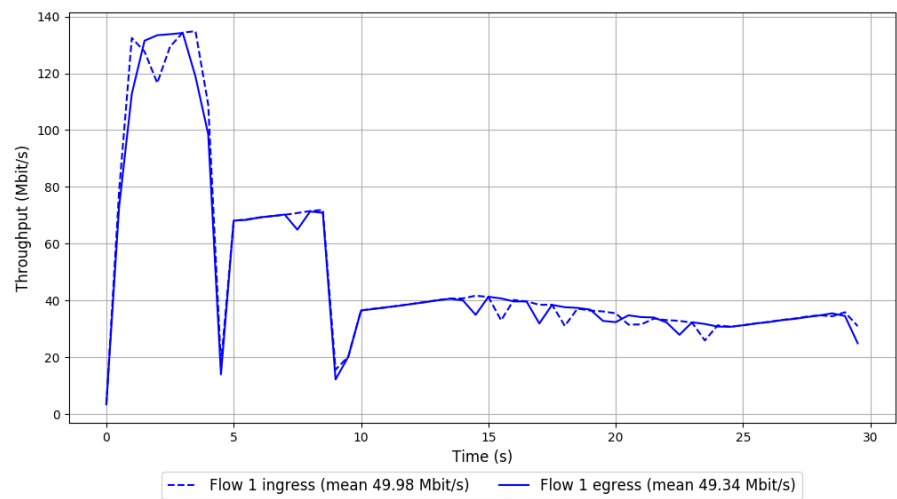
-- Flow 1:

Average throughput: 49.34 Mbit/s

95th percentile per-packet one-way delay: 42.538 ms

Loss rate: 1.61%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

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

End at: 2018-01-25 23:03:53

Below is generated by plot.py at 2018-01-26 02:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.78 Mbit/s

95th percentile per-packet one-way delay: 44.160 ms

Loss rate: 0.23%

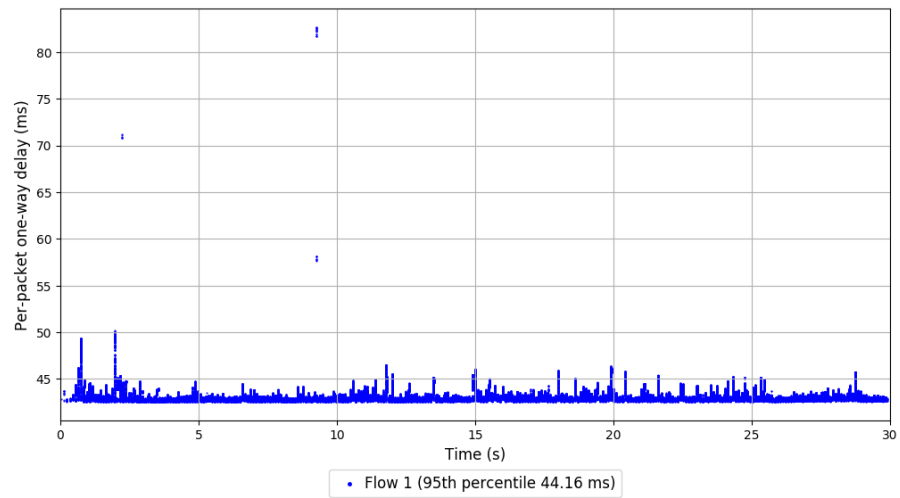
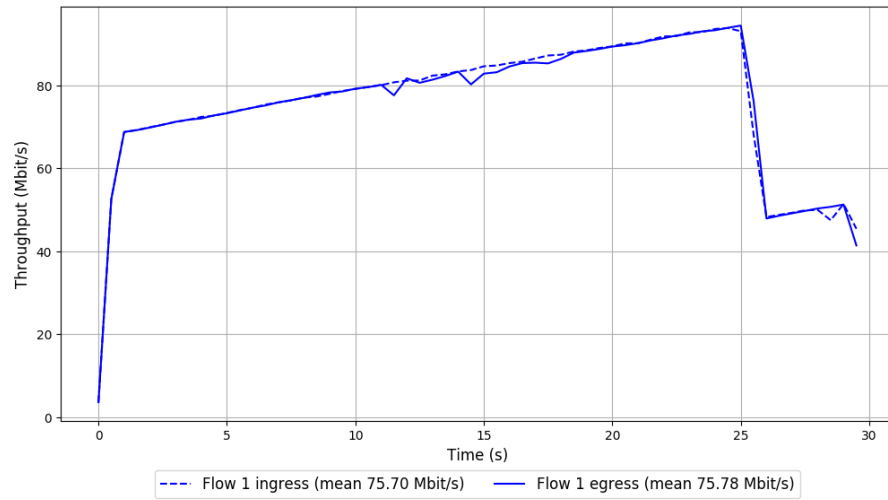
-- Flow 1:

Average throughput: 75.78 Mbit/s

95th percentile per-packet one-way delay: 44.160 ms

Loss rate: 0.23%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-25 23:15:37

End at: 2018-01-25 23:16:07

Below is generated by plot.py at 2018-01-26 02:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.17 Mbit/s

95th percentile per-packet one-way delay: 44.783 ms

Loss rate: 0.83%

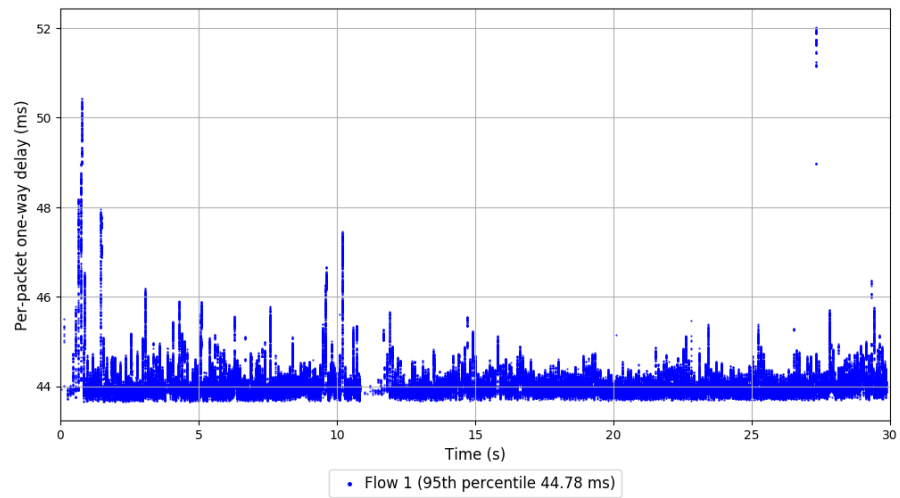
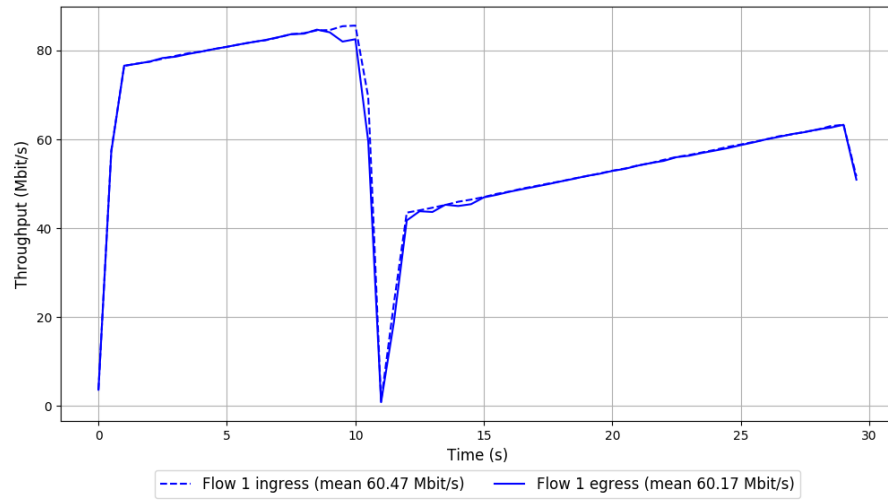
-- Flow 1:

Average throughput: 60.17 Mbit/s

95th percentile per-packet one-way delay: 44.783 ms

Loss rate: 0.83%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

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

End at: 2018-01-25 23:27:56

Below is generated by plot.py at 2018-01-26 02:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.50 Mbit/s

95th percentile per-packet one-way delay: 45.697 ms

Loss rate: 0.67%

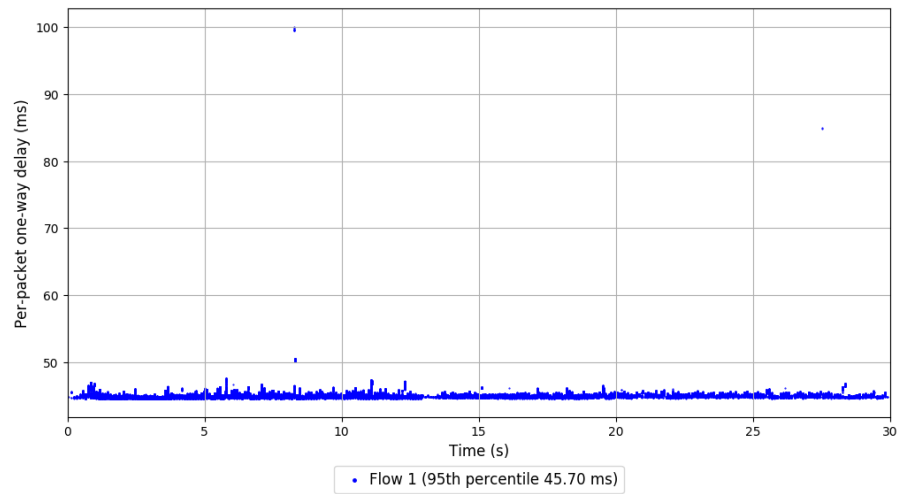
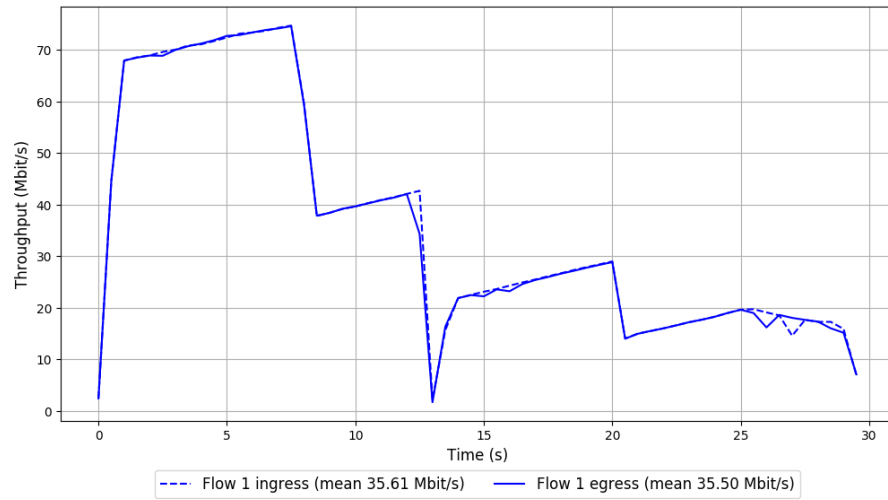
-- Flow 1:

Average throughput: 35.50 Mbit/s

95th percentile per-packet one-way delay: 45.697 ms

Loss rate: 0.67%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-25 23:39:07

End at: 2018-01-25 23:39:37

Below is generated by plot.py at 2018-01-26 02:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.24 Mbit/s

95th percentile per-packet one-way delay: 47.138 ms

Loss rate: 1.25%

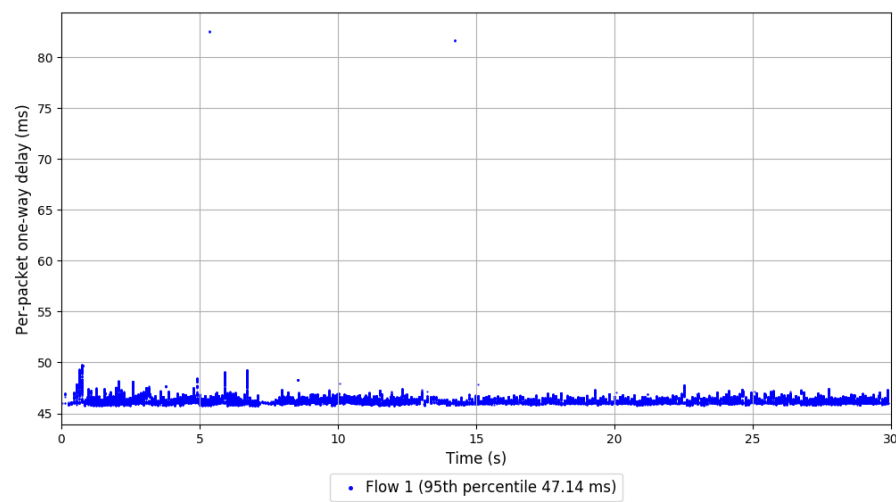
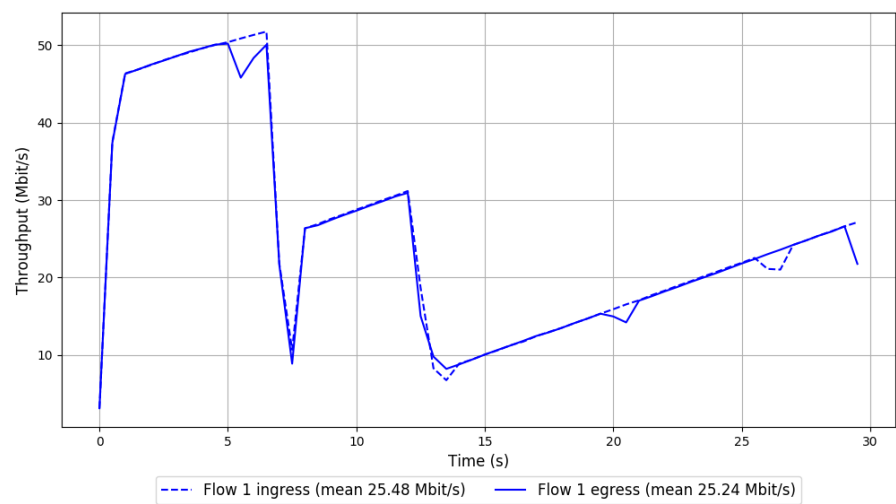
-- Flow 1:

Average throughput: 25.24 Mbit/s

95th percentile per-packet one-way delay: 47.138 ms

Loss rate: 1.25%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-25 23:51:11

End at: 2018-01-25 23:51:41

Below is generated by plot.py at 2018-01-26 02:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.00 Mbit/s

95th percentile per-packet one-way delay: 50.248 ms

Loss rate: 2.61%

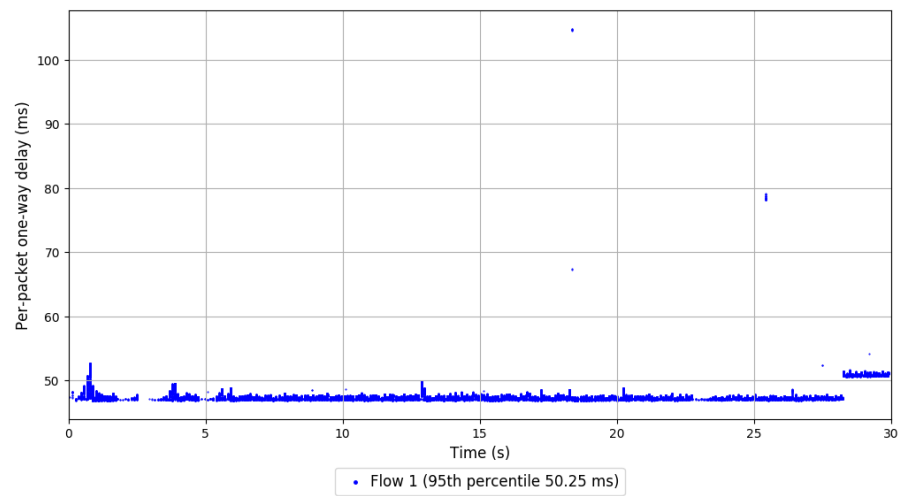
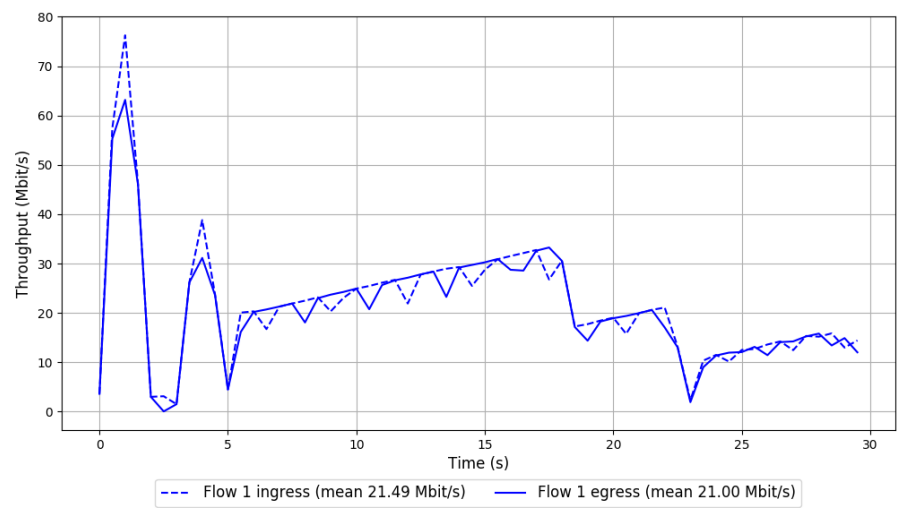
-- Flow 1:

Average throughput: 21.00 Mbit/s

95th percentile per-packet one-way delay: 50.248 ms

Loss rate: 2.61%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-25 22:06:04

End at: 2018-01-25 22:06:34

Below is generated by plot.py at 2018-01-26 02:29:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.58 Mbit/s

95th percentile per-packet one-way delay: 58.457 ms

Loss rate: 0.97%

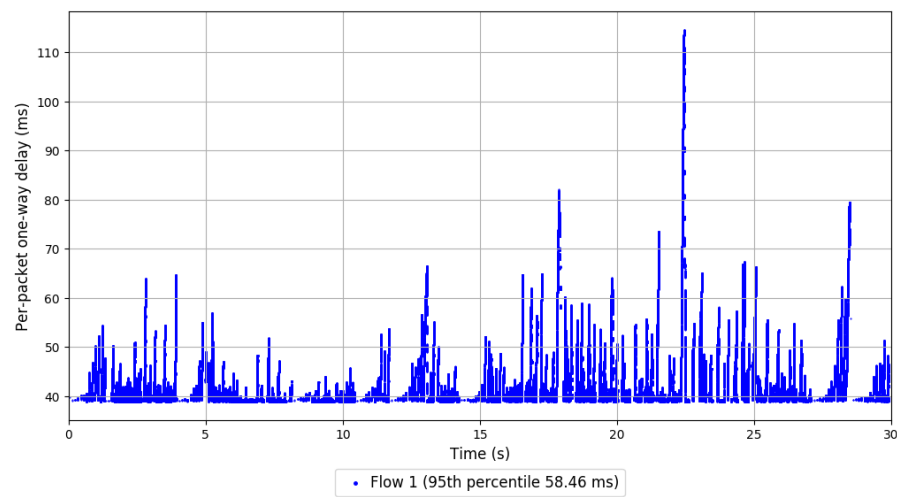
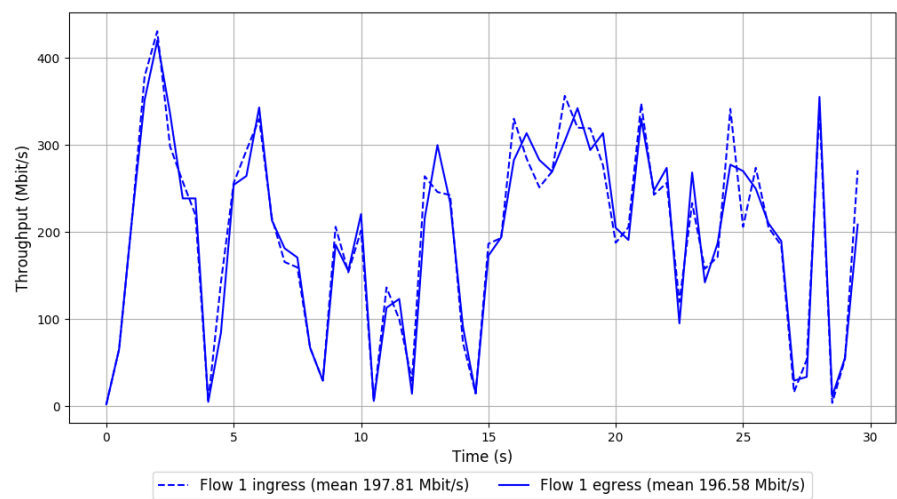
-- Flow 1:

Average throughput: 196.58 Mbit/s

95th percentile per-packet one-way delay: 58.457 ms

Loss rate: 0.97%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-25 22:18:03

End at: 2018-01-25 22:18:33

Below is generated by plot.py at 2018-01-26 02:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.26 Mbit/s

95th percentile per-packet one-way delay: 72.849 ms

Loss rate: 1.43%

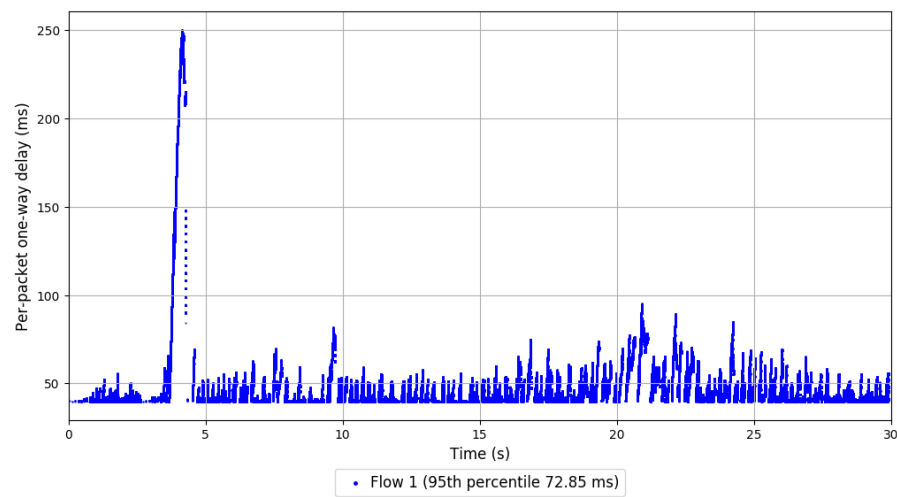
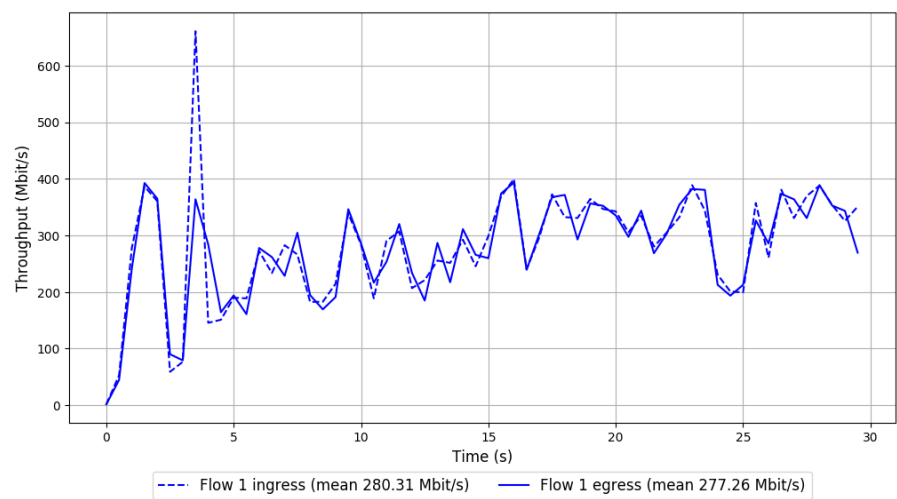
-- Flow 1:

Average throughput: 277.26 Mbit/s

95th percentile per-packet one-way delay: 72.849 ms

Loss rate: 1.43%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-25 22:29:54

End at: 2018-01-25 22:30:24

Below is generated by plot.py at 2018-01-26 02:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.06 Mbit/s

95th percentile per-packet one-way delay: 119.875 ms

Loss rate: 1.44%

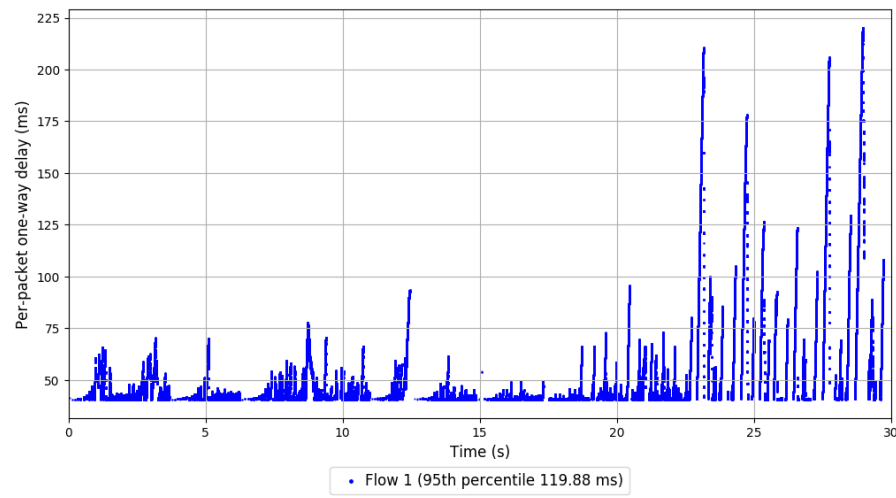
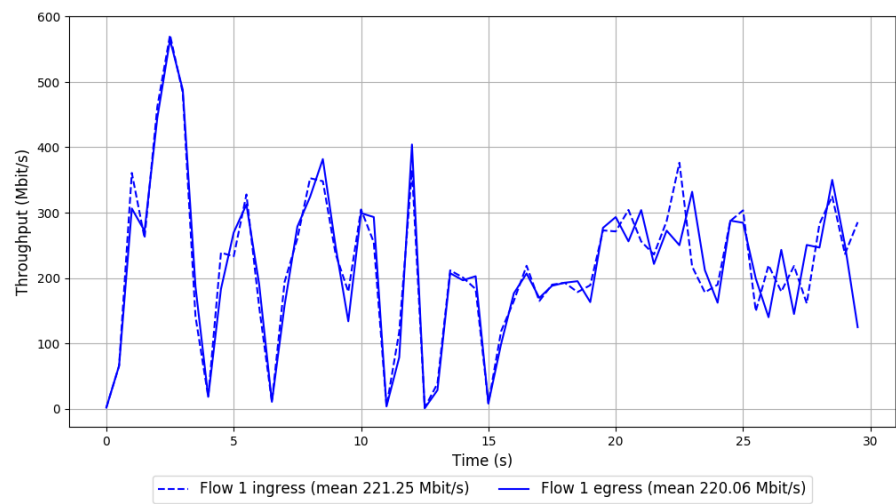
-- Flow 1:

Average throughput: 220.06 Mbit/s

95th percentile per-packet one-way delay: 119.875 ms

Loss rate: 1.44%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

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

End at: 2018-01-25 22:42:20

Below is generated by plot.py at 2018-01-26 02:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.04 Mbit/s

95th percentile per-packet one-way delay: 105.301 ms

Loss rate: 0.69%

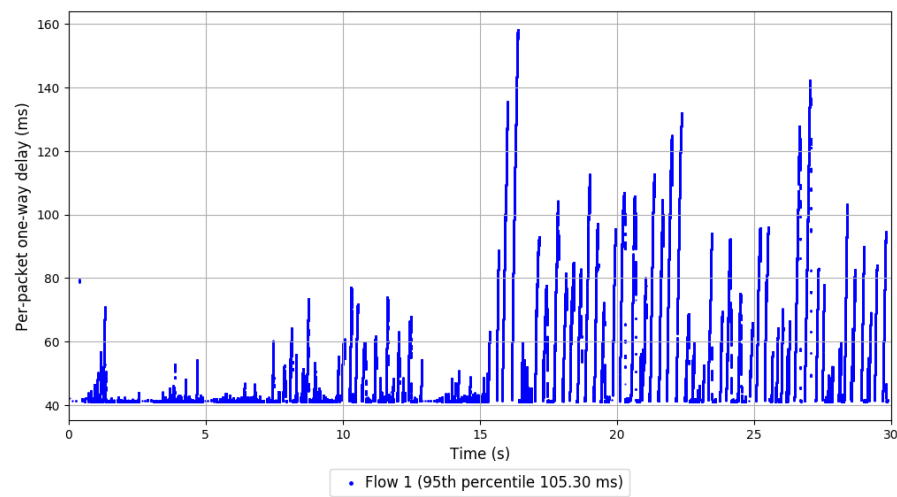
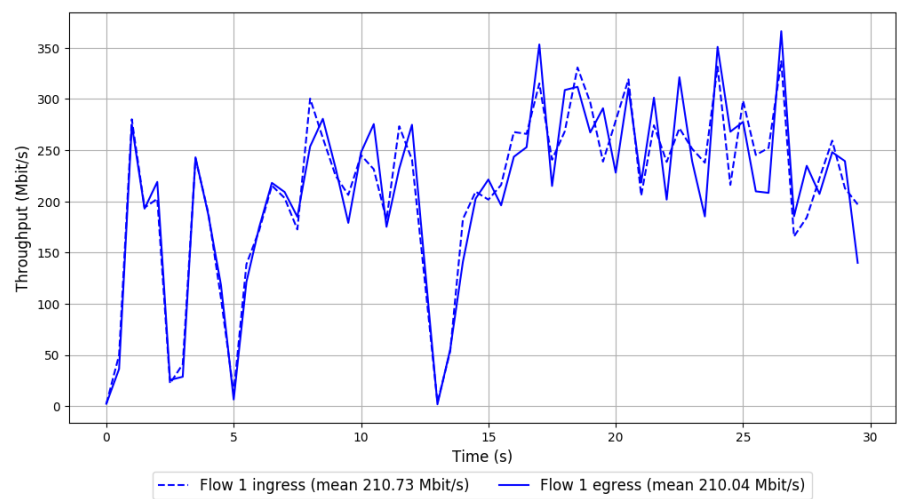
-- Flow 1:

Average throughput: 210.04 Mbit/s

95th percentile per-packet one-way delay: 105.301 ms

Loss rate: 0.69%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-25 22:53:34

End at: 2018-01-25 22:54:04

Below is generated by plot.py at 2018-01-26 02:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.81 Mbit/s

95th percentile per-packet one-way delay: 190.431 ms

Loss rate: 2.30%

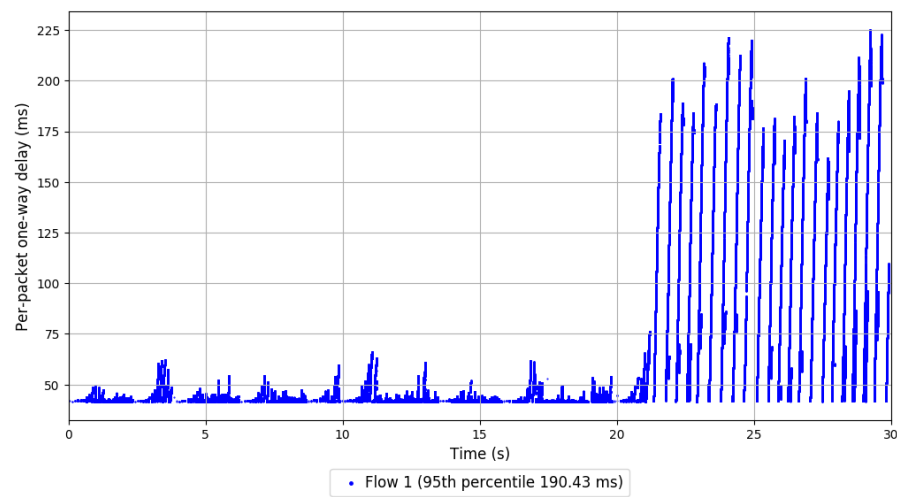
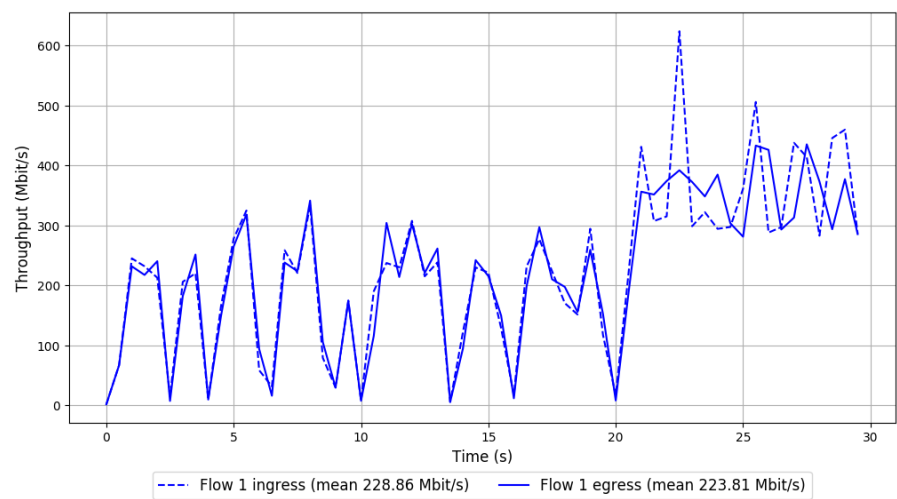
-- Flow 1:

Average throughput: 223.81 Mbit/s

95th percentile per-packet one-way delay: 190.431 ms

Loss rate: 2.30%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-25 23:05:30

End at: 2018-01-25 23:06:00

Below is generated by plot.py at 2018-01-26 02:31:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.52 Mbit/s

95th percentile per-packet one-way delay: 102.911 ms

Loss rate: 0.43%

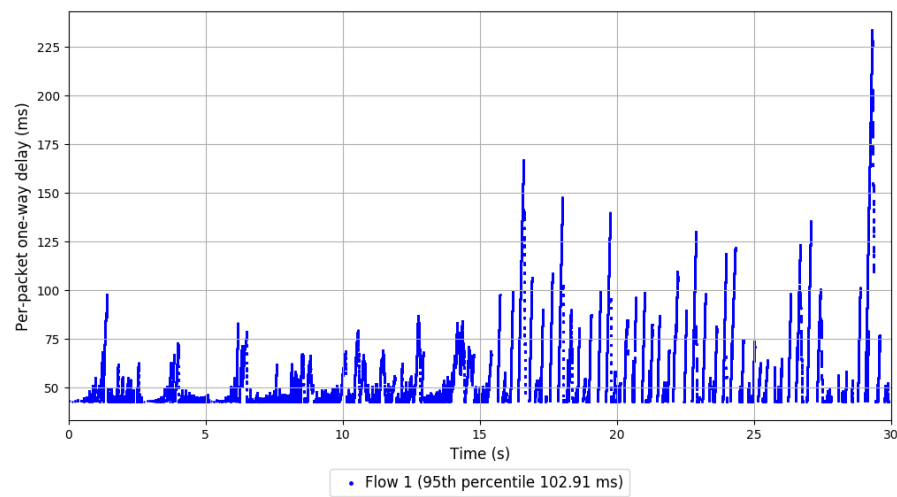
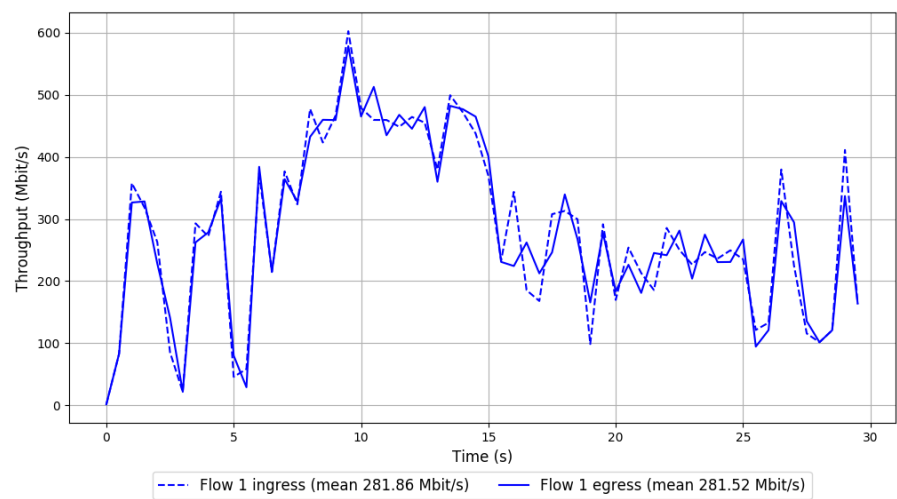
-- Flow 1:

Average throughput: 281.52 Mbit/s

95th percentile per-packet one-way delay: 102.911 ms

Loss rate: 0.43%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

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

End at: 2018-01-25 23:18:14

Below is generated by plot.py at 2018-01-26 02:32:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.12 Mbit/s

95th percentile per-packet one-way delay: 104.058 ms

Loss rate: 2.60%

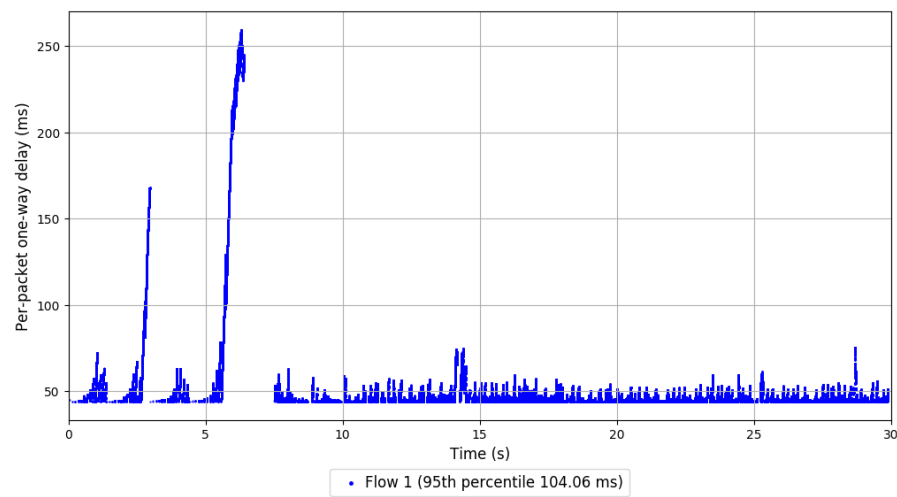
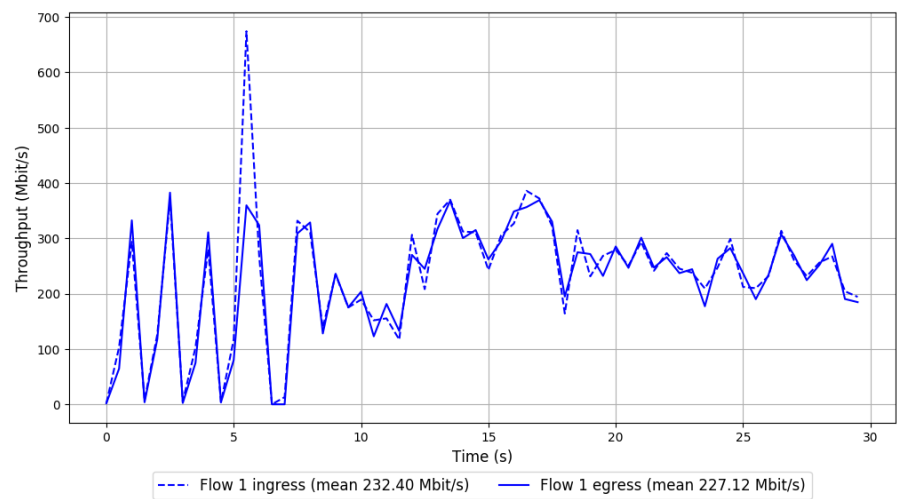
-- Flow 1:

Average throughput: 227.12 Mbit/s

95th percentile per-packet one-way delay: 104.058 ms

Loss rate: 2.60%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-25 23:29:32

End at: 2018-01-25 23:30:02

Below is generated by plot.py at 2018-01-26 02:33:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.31 Mbit/s

95th percentile per-packet one-way delay: 77.727 ms

Loss rate: 2.25%

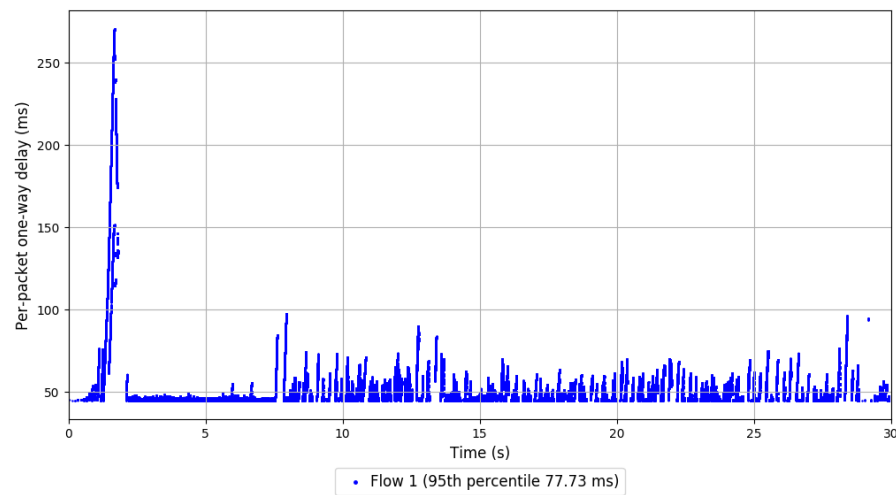
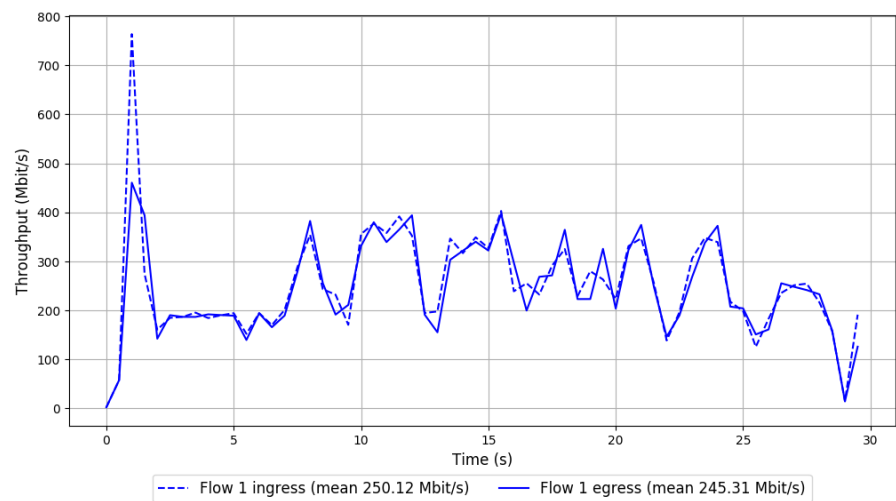
-- Flow 1:

Average throughput: 245.31 Mbit/s

95th percentile per-packet one-way delay: 77.727 ms

Loss rate: 2.25%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-25 23:41:13

End at: 2018-01-25 23:41:43

Below is generated by plot.py at 2018-01-26 02:33:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.94 Mbit/s

95th percentile per-packet one-way delay: 74.343 ms

Loss rate: 1.82%

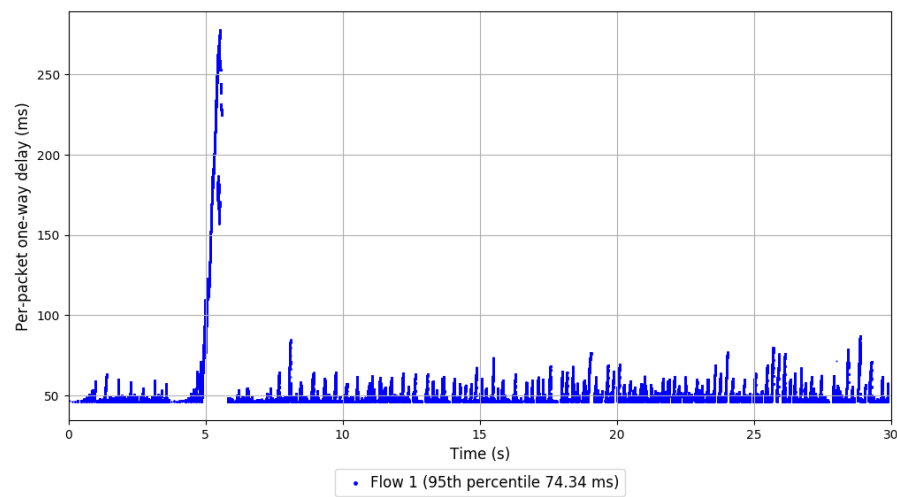
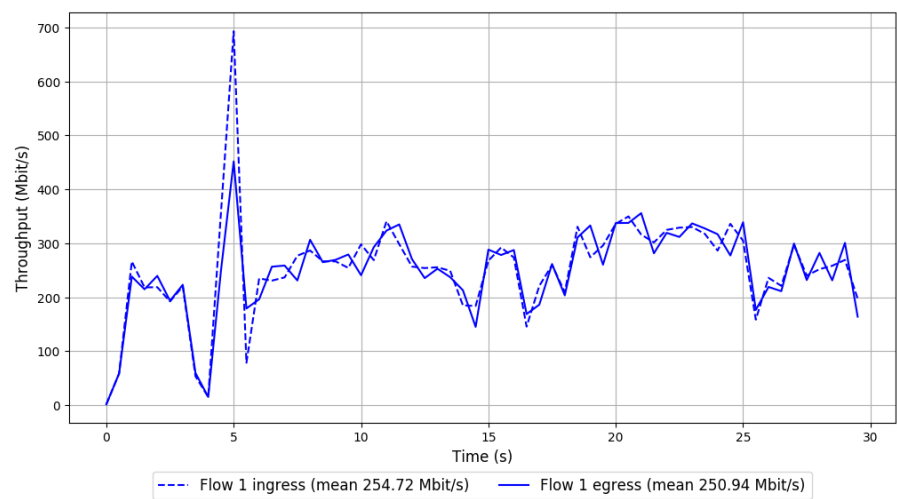
-- Flow 1:

Average throughput: 250.94 Mbit/s

95th percentile per-packet one-way delay: 74.343 ms

Loss rate: 1.82%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-25 23:53:17

End at: 2018-01-25 23:53:47

Below is generated by plot.py at 2018-01-26 02:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.65 Mbit/s

95th percentile per-packet one-way delay: 81.027 ms

Loss rate: 0.48%

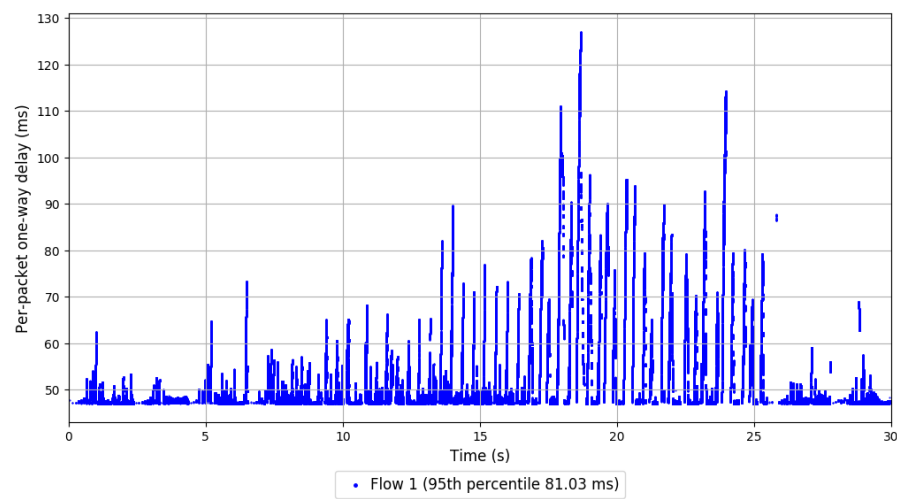
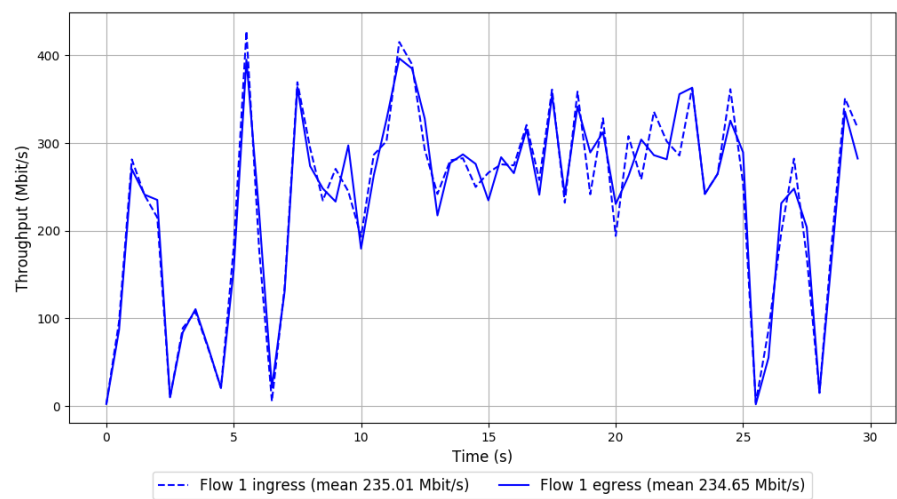
-- Flow 1:

Average throughput: 234.65 Mbit/s

95th percentile per-packet one-way delay: 81.027 ms

Loss rate: 0.48%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-25 22:07:44

End at: 2018-01-25 22:08:14

Below is generated by plot.py at 2018-01-26 02:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.16 Mbit/s

95th percentile per-packet one-way delay: 39.232 ms

Loss rate: 0.36%

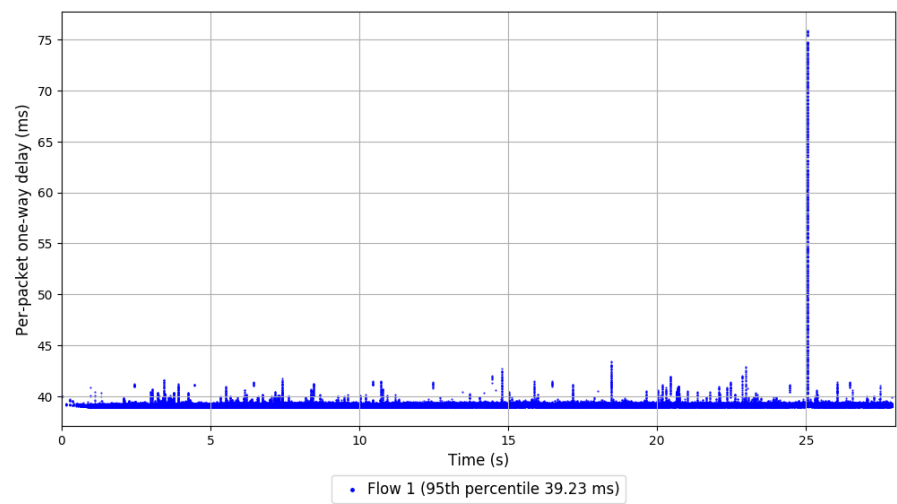
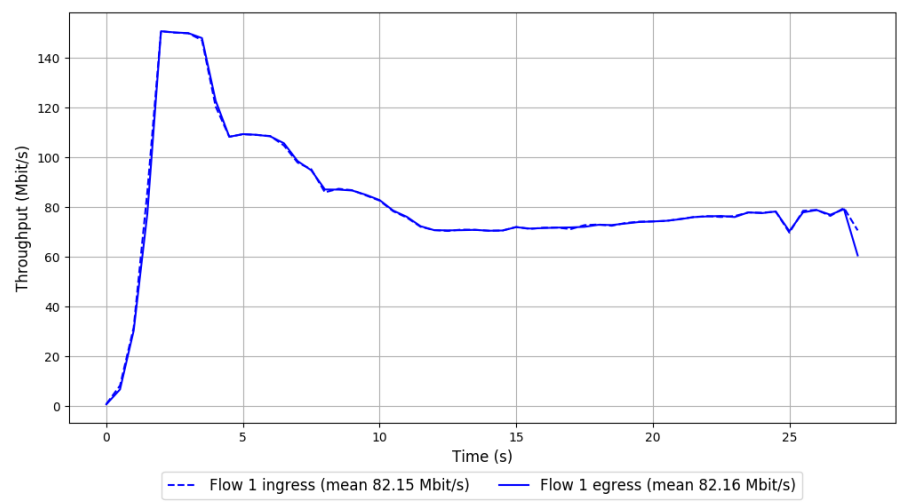
-- Flow 1:

Average throughput: 82.16 Mbit/s

95th percentile per-packet one-way delay: 39.232 ms

Loss rate: 0.36%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-25 22:19:39

End at: 2018-01-25 22:20:09

Below is generated by plot.py at 2018-01-26 02:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 43.594 ms

Loss rate: 0.07%

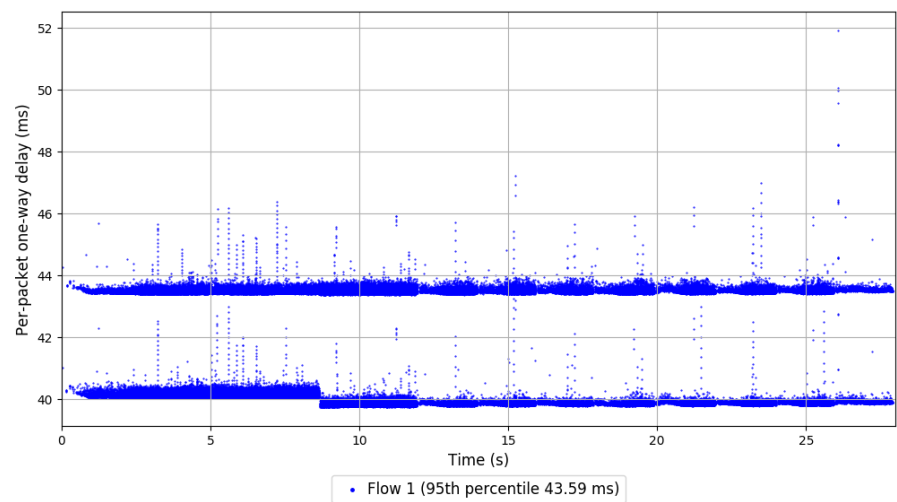
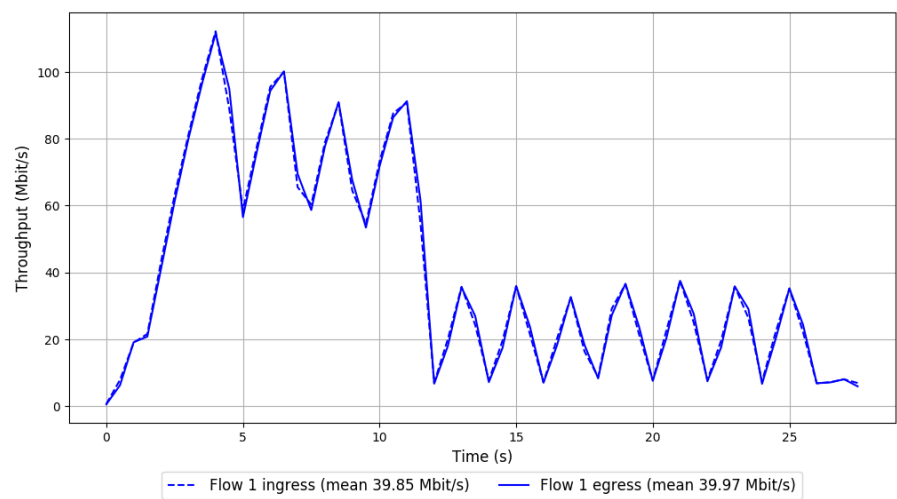
-- Flow 1:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 43.594 ms

Loss rate: 0.07%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-25 22:31:43

End at: 2018-01-25 22:32:13

Below is generated by plot.py at 2018-01-26 02:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.11 Mbit/s

95th percentile per-packet one-way delay: 44.404 ms

Loss rate: 0.42%

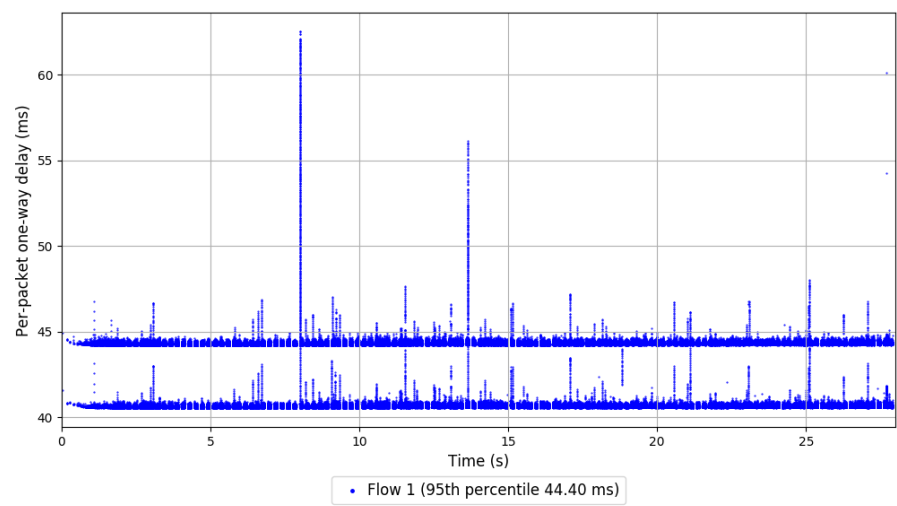
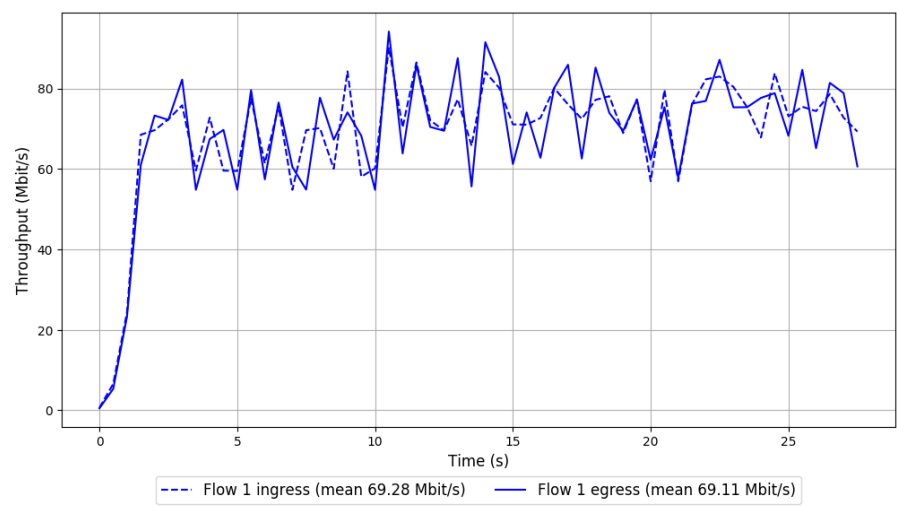
-- Flow 1:

Average throughput: 69.11 Mbit/s

95th percentile per-packet one-way delay: 44.404 ms

Loss rate: 0.42%

Run 3: Report of Copa — Data Link

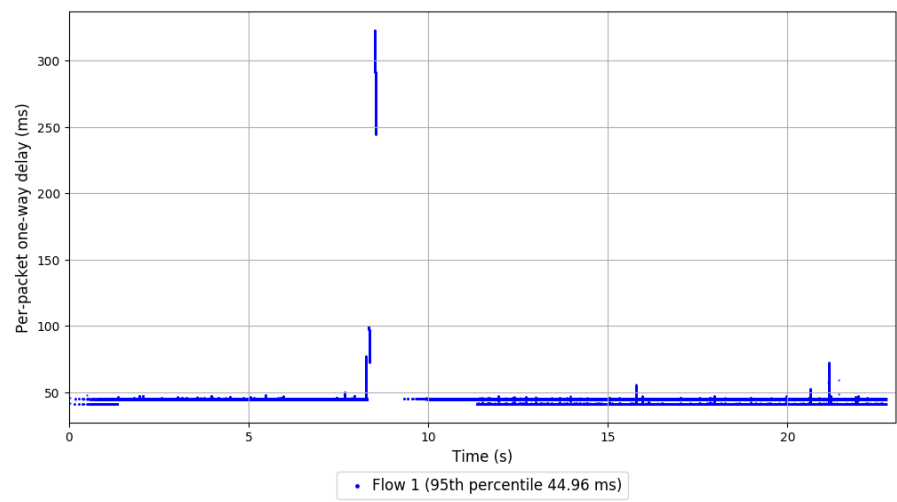
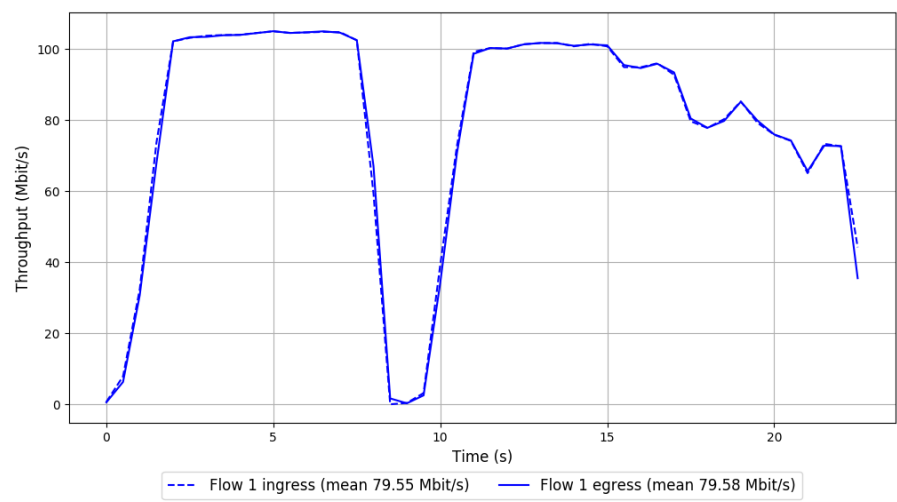


Run 4: Statistics of Copa

Start at: 2018-01-25 22:43:21

End at: 2018-01-25 22:43:51

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

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

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

Below is generated by plot.py at 2018-01-26 02:34:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.34 Mbit/s

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

Loss rate: 0.13%

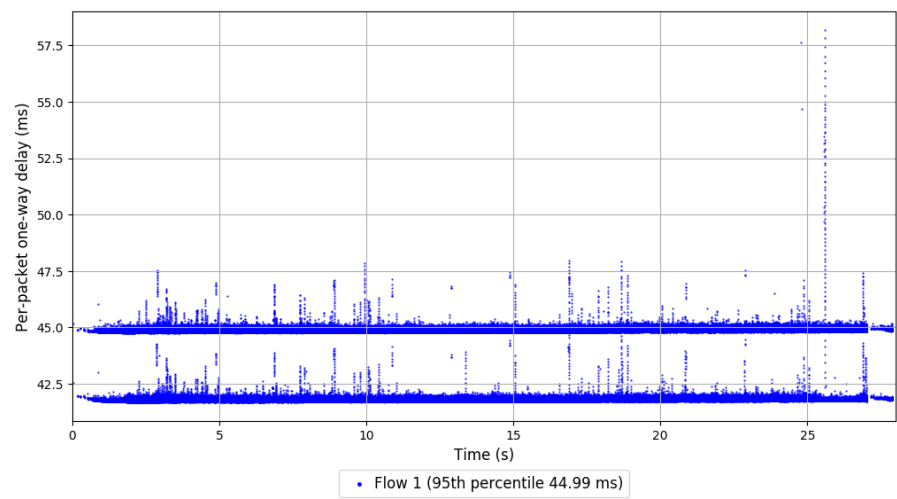
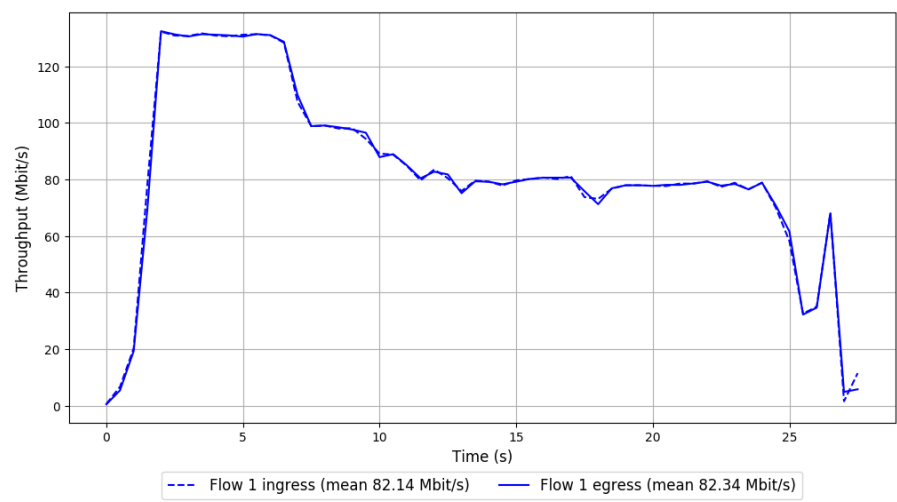
-- Flow 1:

Average throughput: 82.34 Mbit/s

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

Loss rate: 0.13%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-25 23:07:26

End at: 2018-01-25 23:07:56

Below is generated by plot.py at 2018-01-26 02:34:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 46.802 ms

Loss rate: 0.34%

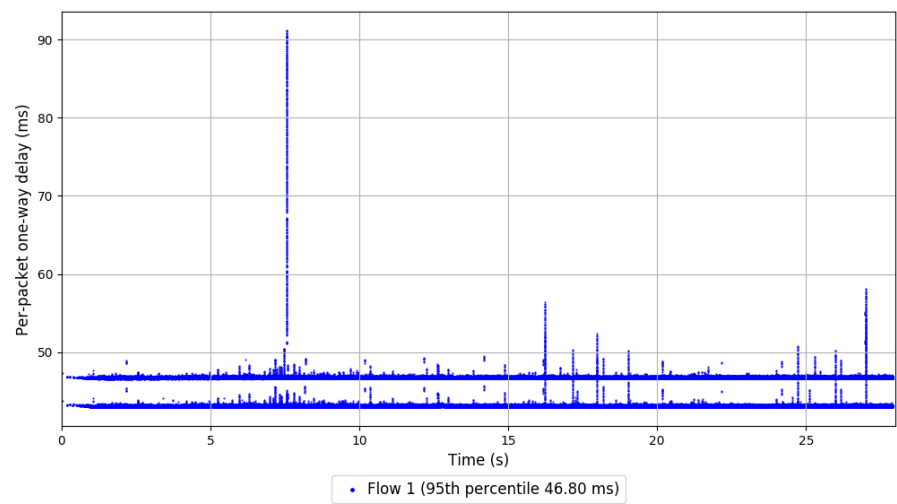
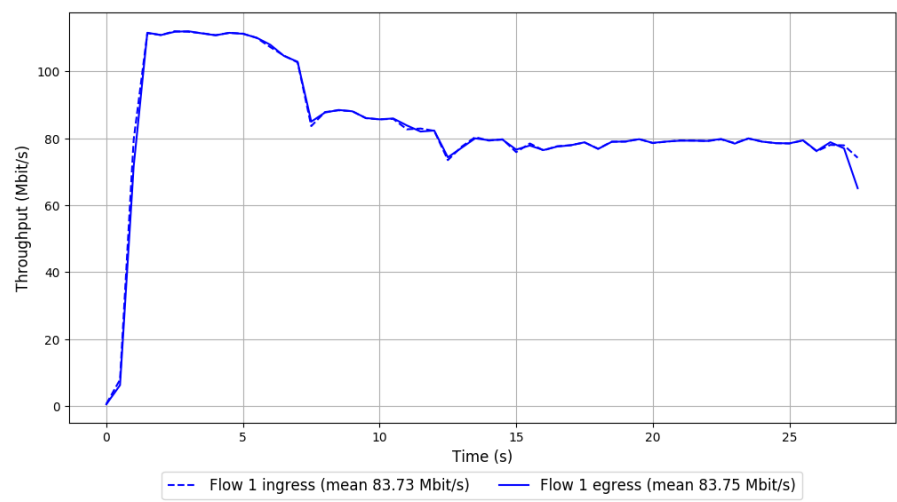
-- Flow 1:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 46.802 ms

Loss rate: 0.34%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

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

End at: 2018-01-25 23:19:48

Below is generated by plot.py at 2018-01-26 02:34:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.14 Mbit/s

95th percentile per-packet one-way delay: 44.499 ms

Loss rate: 0.41%

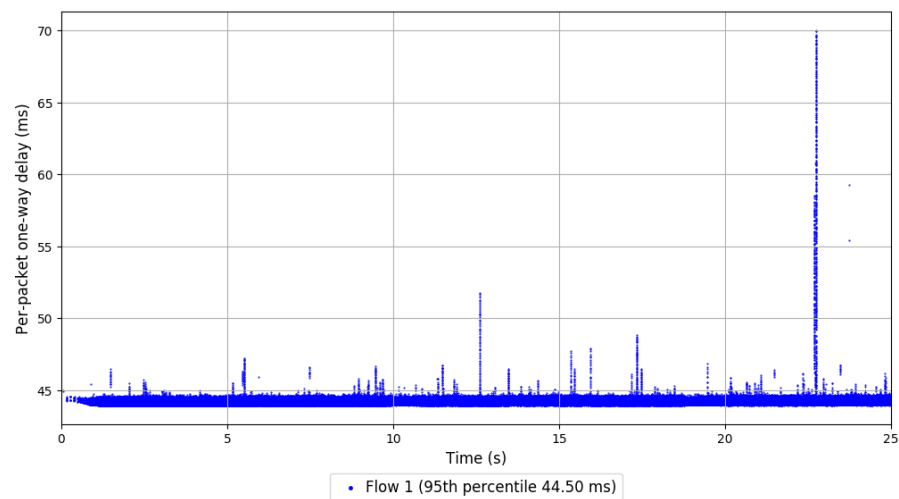
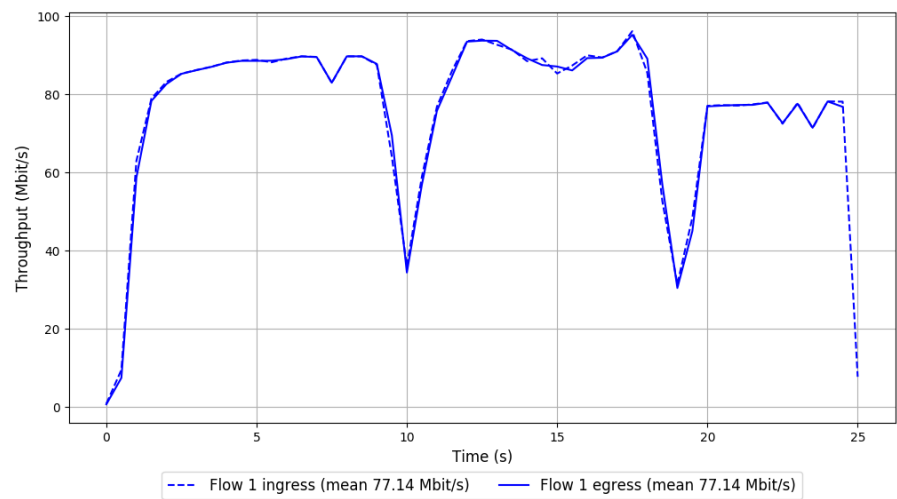
-- Flow 1:

Average throughput: 77.14 Mbit/s

95th percentile per-packet one-way delay: 44.499 ms

Loss rate: 0.41%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-25 23:31:07

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

Below is generated by plot.py at 2018-01-26 02:34:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.62 Mbit/s

95th percentile per-packet one-way delay: 48.769 ms

Loss rate: 0.63%

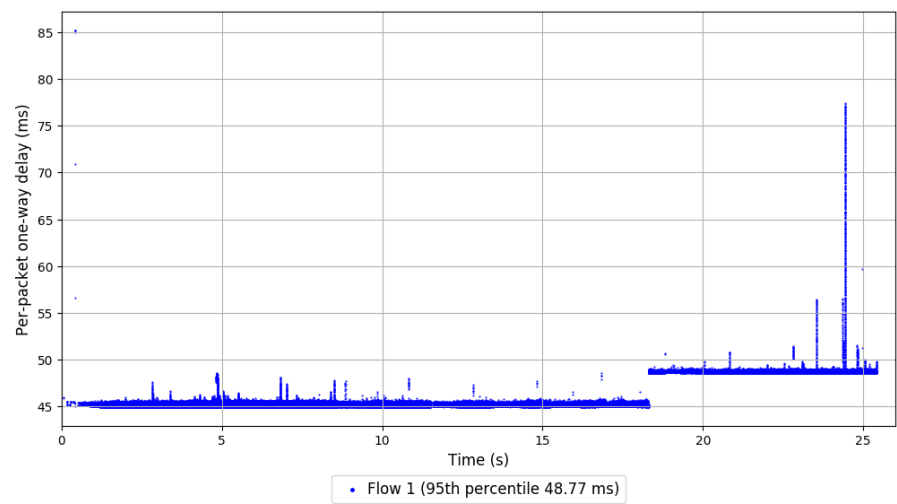
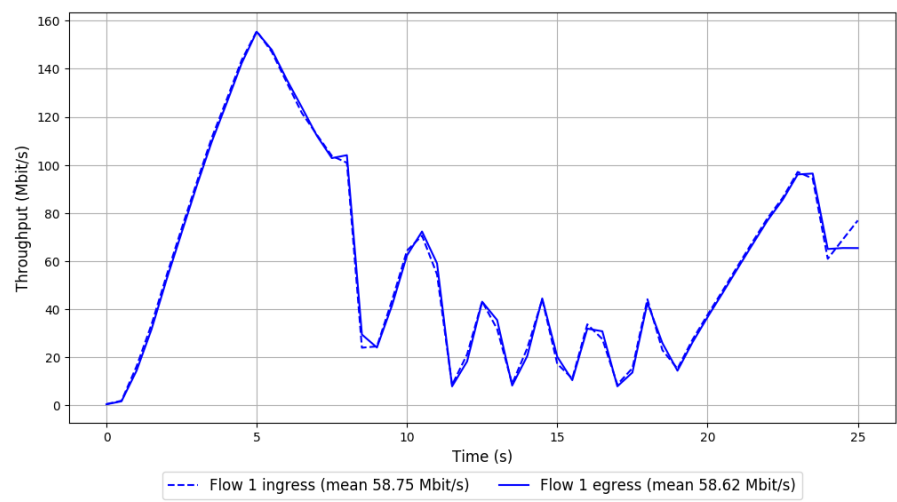
-- Flow 1:

Average throughput: 58.62 Mbit/s

95th percentile per-packet one-way delay: 48.769 ms

Loss rate: 0.63%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-25 23:43:04

End at: 2018-01-25 23:43:34

Below is generated by plot.py at 2018-01-26 02:35:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.98 Mbit/s

95th percentile per-packet one-way delay: 49.993 ms

Loss rate: 1.10%

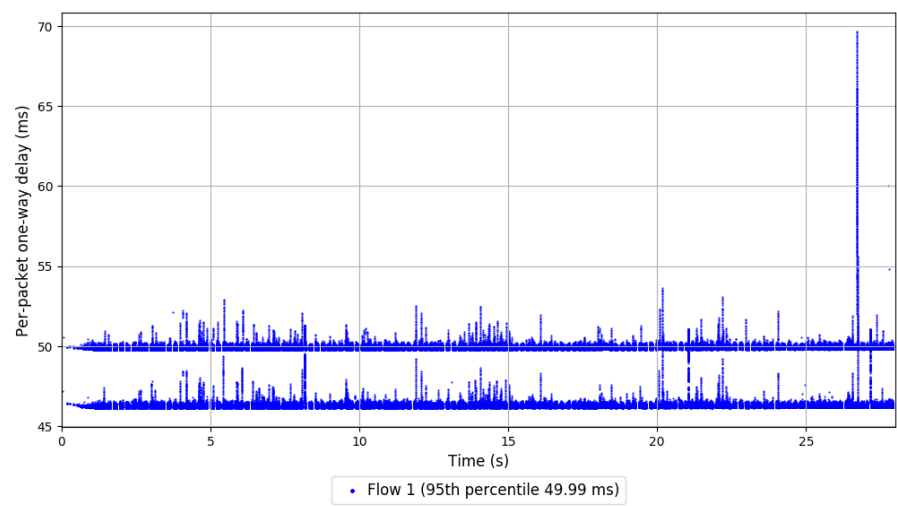
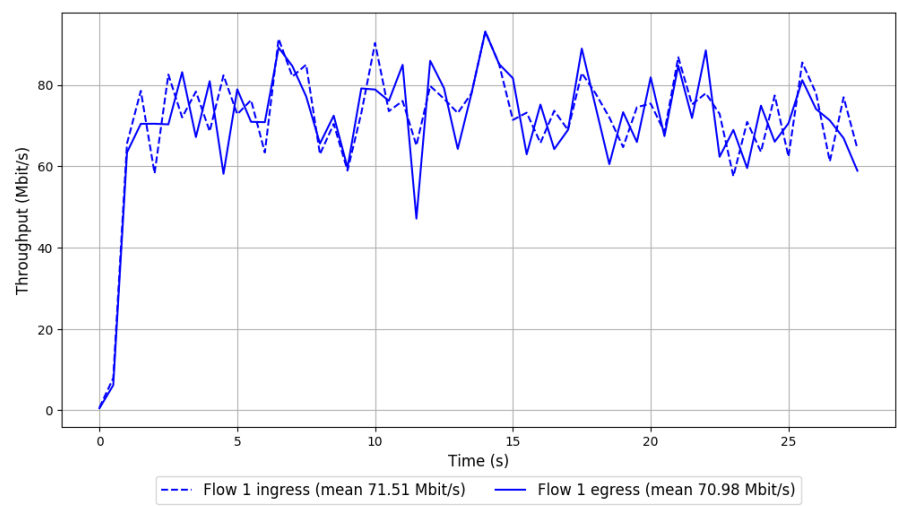
-- Flow 1:

Average throughput: 70.98 Mbit/s

95th percentile per-packet one-way delay: 49.993 ms

Loss rate: 1.10%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-25 23:55:08

End at: 2018-01-25 23:55:38

Below is generated by plot.py at 2018-01-26 02:35:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.50 Mbit/s

95th percentile per-packet one-way delay: 51.021 ms

Loss rate: 0.42%

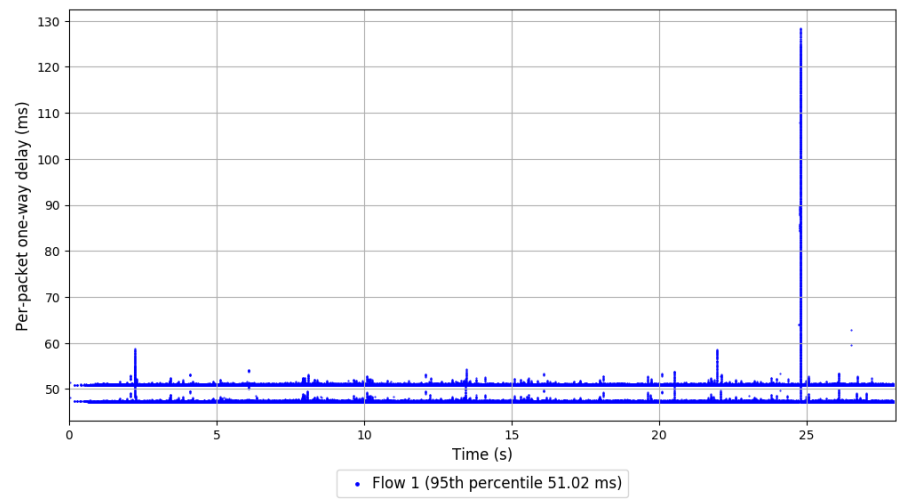
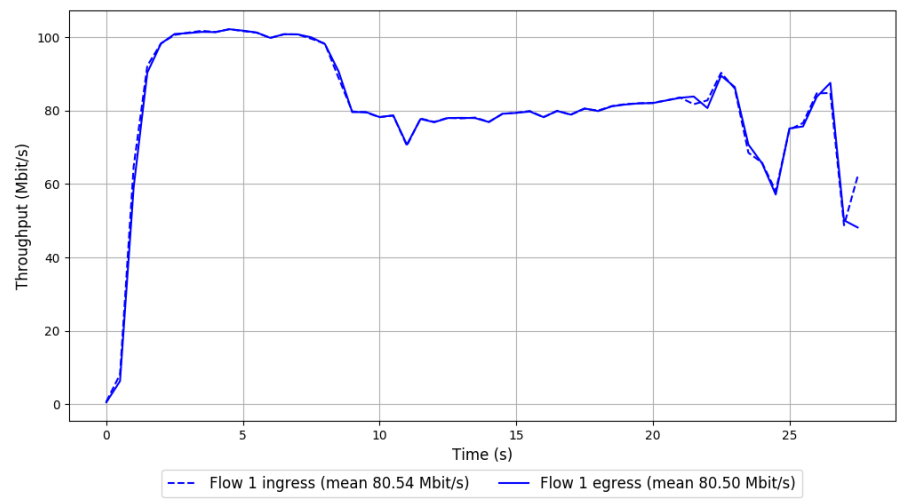
-- Flow 1:

Average throughput: 80.50 Mbit/s

95th percentile per-packet one-way delay: 51.021 ms

Loss rate: 0.42%

Run 10: Report of Copa — Data Link

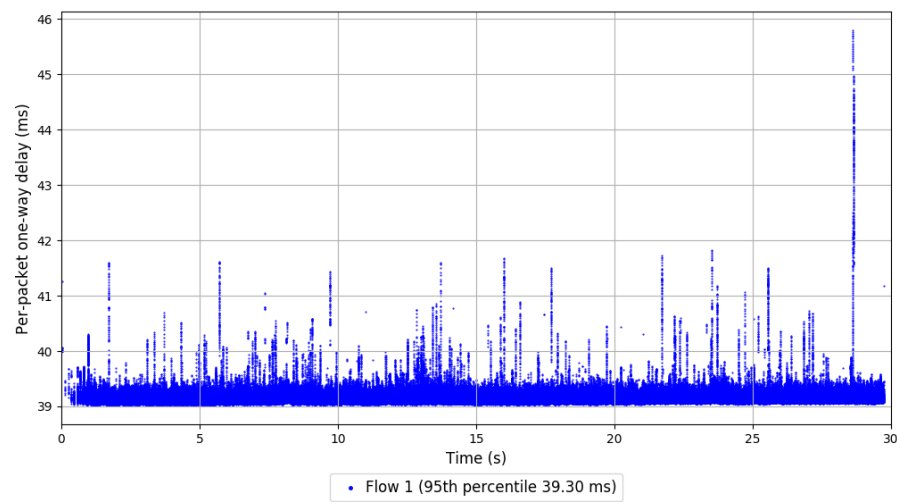
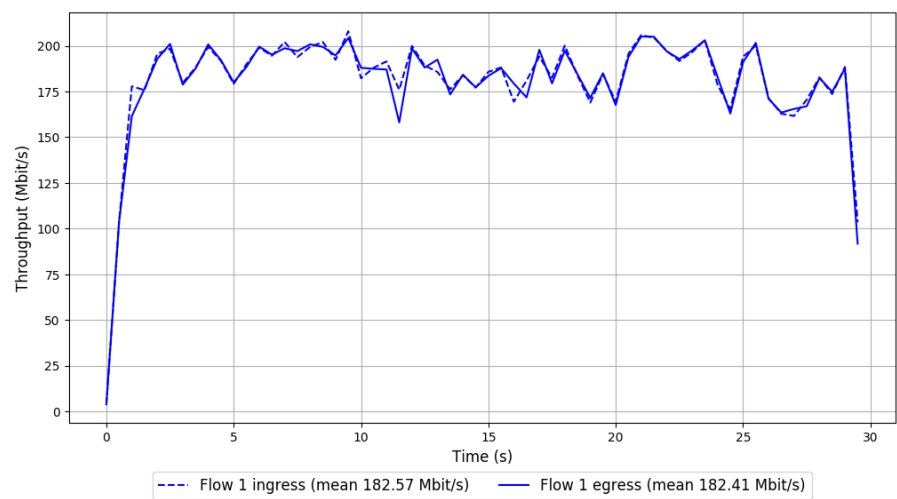


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-25 22:08:28
End at: 2018-01-25 22:08:58

# Below is generated by plot.py at 2018-01-26 02:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.41 Mbit/s
95th percentile per-packet one-way delay: 39.302 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 182.41 Mbit/s
95th percentile per-packet one-way delay: 39.302 ms
Loss rate: 0.43%
```

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

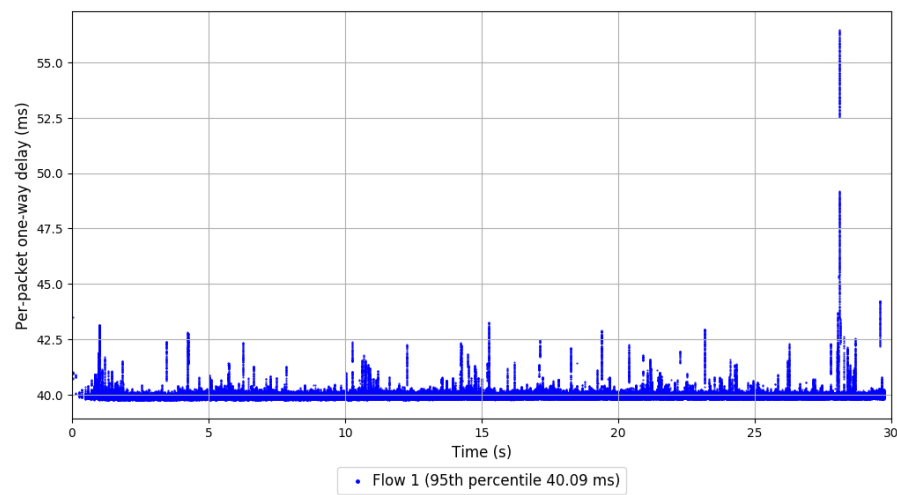
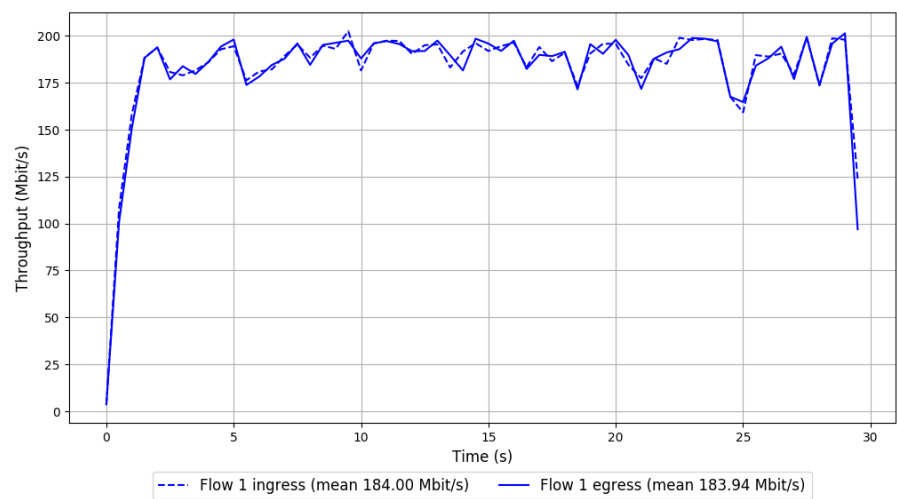


```
Run 2: Statistics of Indigo-2-256

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

# Below is generated by plot.py at 2018-01-26 02:37:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.94 Mbit/s
95th percentile per-packet one-way delay: 40.086 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 183.94 Mbit/s
95th percentile per-packet one-way delay: 40.086 ms
Loss rate: 0.37%
```

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



Run 3: Statistics of Indigo-2-256

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

End at: 2018-01-25 22:32:55

Below is generated by plot.py at 2018-01-26 02:37:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.46 Mbit/s

95th percentile per-packet one-way delay: 40.860 ms

Loss rate: 0.53%

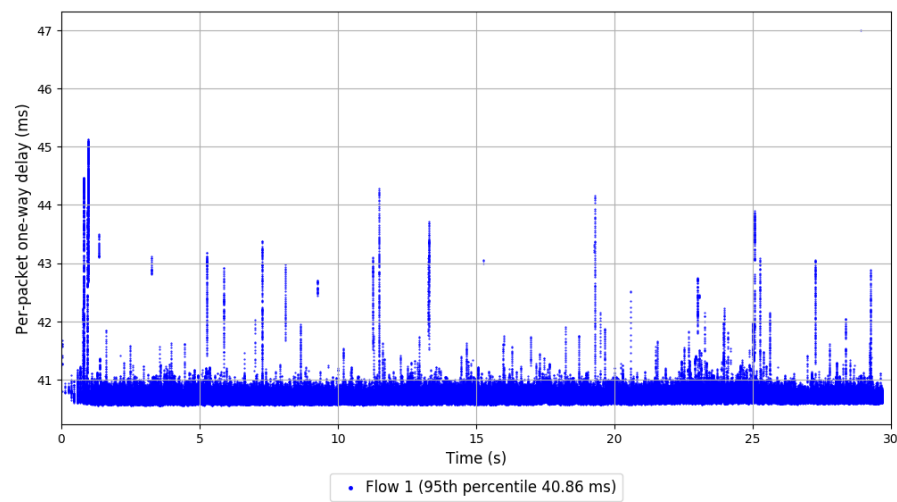
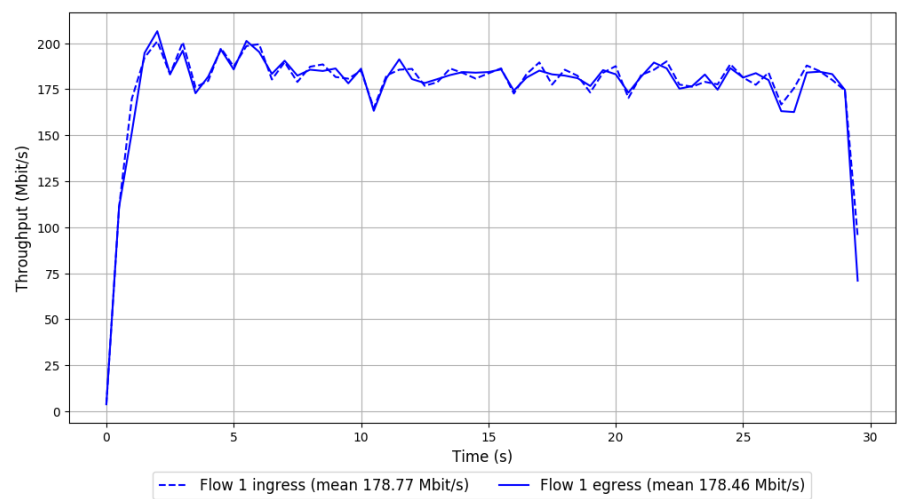
-- Flow 1:

Average throughput: 178.46 Mbit/s

95th percentile per-packet one-way delay: 40.860 ms

Loss rate: 0.53%

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



Run 4: Statistics of Indigo-2-256

Start at: 2018-01-25 22:44:04

End at: 2018-01-25 22:44:34

Below is generated by plot.py at 2018-01-26 02:37:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.63 Mbit/s

95th percentile per-packet one-way delay: 41.394 ms

Loss rate: 0.36%

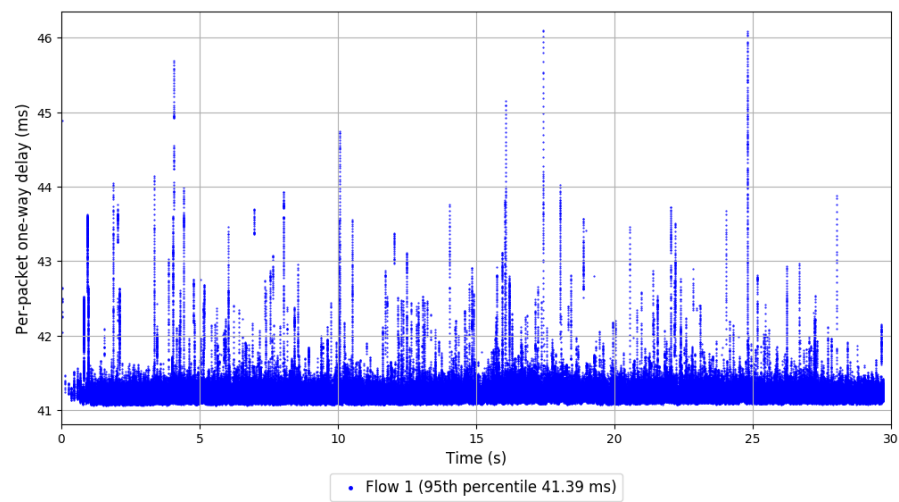
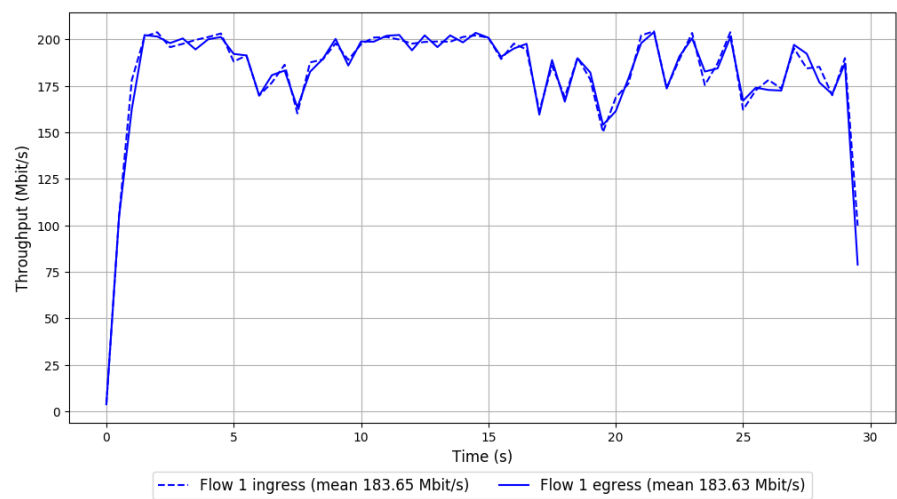
-- Flow 1:

Average throughput: 183.63 Mbit/s

95th percentile per-packet one-way delay: 41.394 ms

Loss rate: 0.36%

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



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-25 22:55:59

End at: 2018-01-25 22:56:29

Below is generated by plot.py at 2018-01-26 02:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.50 Mbit/s

95th percentile per-packet one-way delay: 42.084 ms

Loss rate: 0.36%

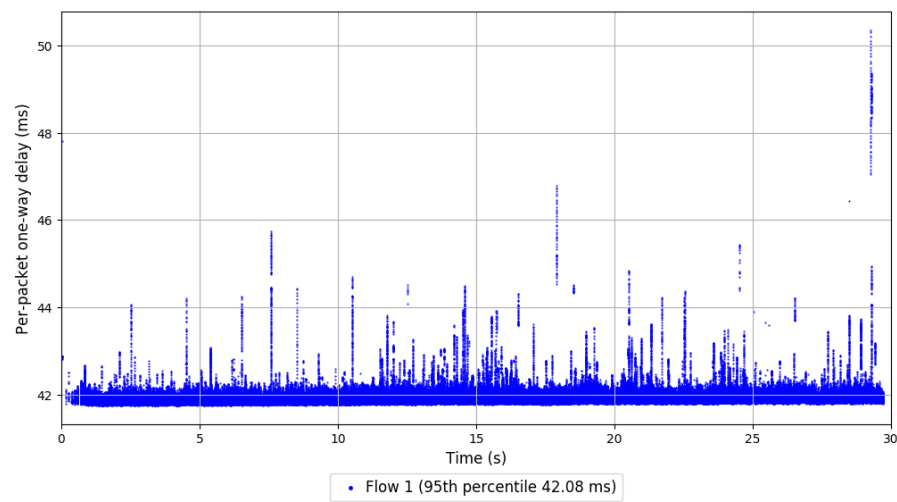
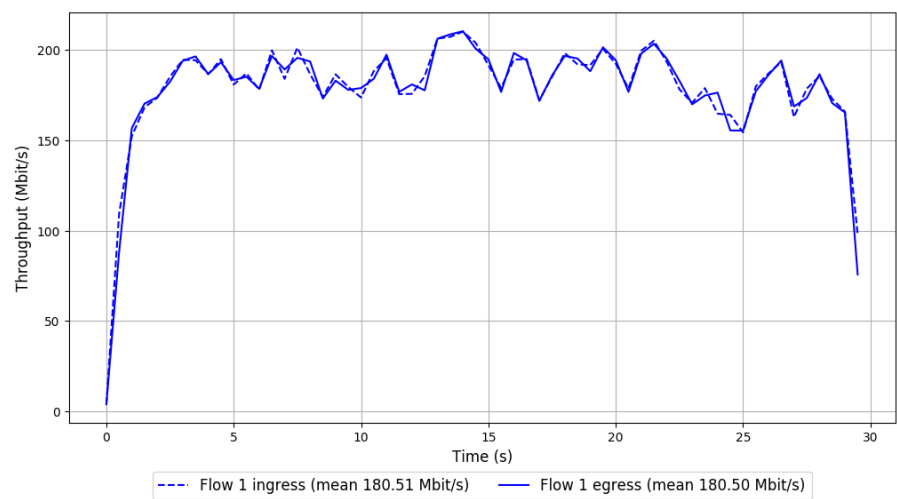
-- Flow 1:

Average throughput: 180.50 Mbit/s

95th percentile per-packet one-way delay: 42.084 ms

Loss rate: 0.36%

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



Run 6: Statistics of Indigo-2-256

Start at: 2018-01-25 23:08:10

End at: 2018-01-25 23:08:40

Below is generated by plot.py at 2018-01-26 02:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.62 Mbit/s

95th percentile per-packet one-way delay: 43.296 ms

Loss rate: 0.36%

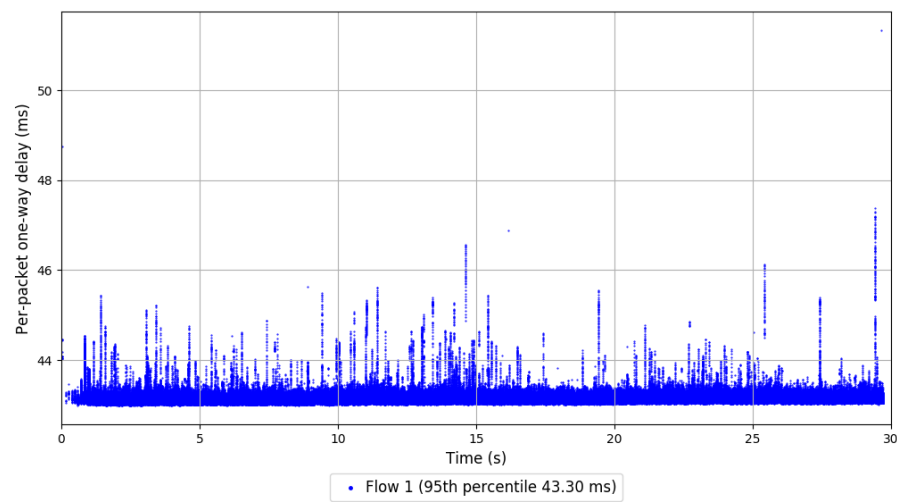
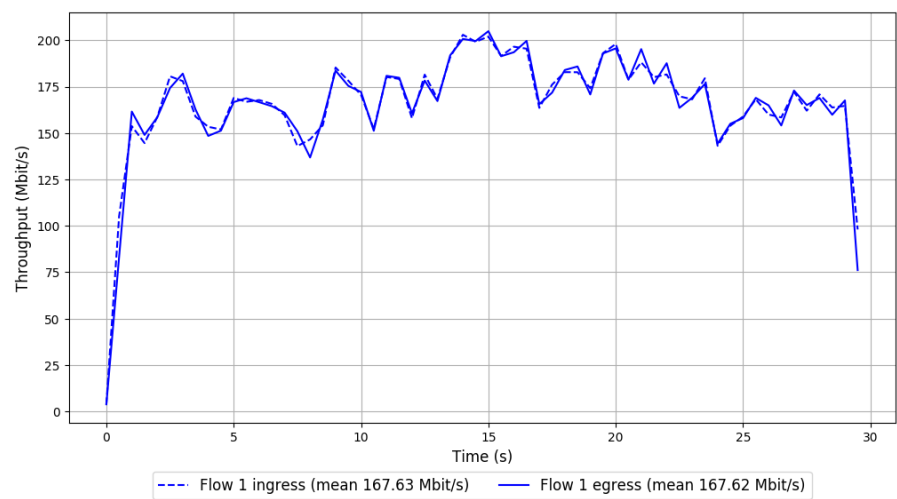
-- Flow 1:

Average throughput: 167.62 Mbit/s

95th percentile per-packet one-way delay: 43.296 ms

Loss rate: 0.36%

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



Run 7: Statistics of Indigo-2-256

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

End at: 2018-01-25 23:20:31

Below is generated by plot.py at 2018-01-26 02:38:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.83 Mbit/s

95th percentile per-packet one-way delay: 44.310 ms

Loss rate: 0.40%

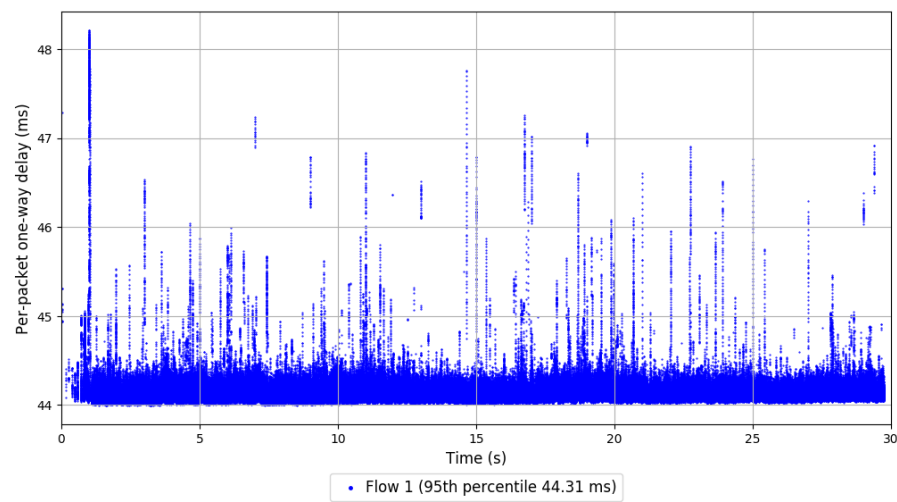
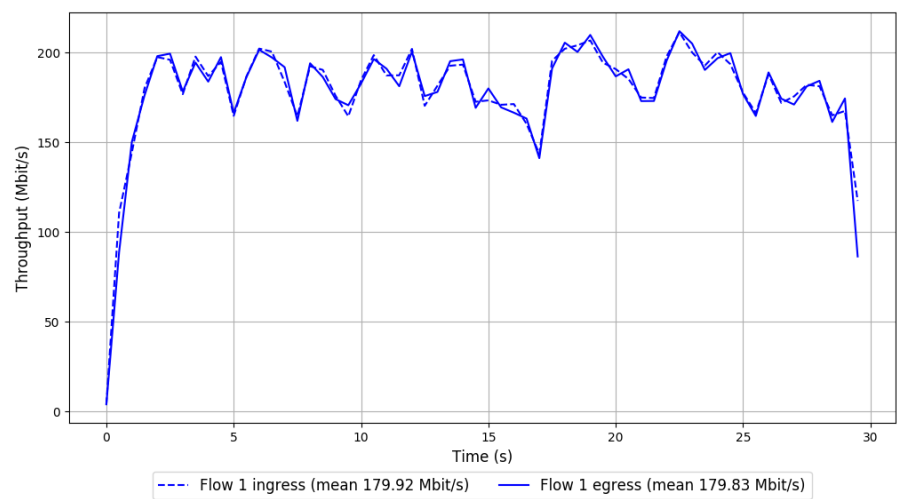
-- Flow 1:

Average throughput: 179.83 Mbit/s

95th percentile per-packet one-way delay: 44.310 ms

Loss rate: 0.40%

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



Run 8: Statistics of Indigo-2-256

Start at: 2018-01-25 23:31:49

End at: 2018-01-25 23:32:19

Below is generated by plot.py at 2018-01-26 02:39:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.41 Mbit/s

95th percentile per-packet one-way delay: 45.269 ms

Loss rate: 0.35%

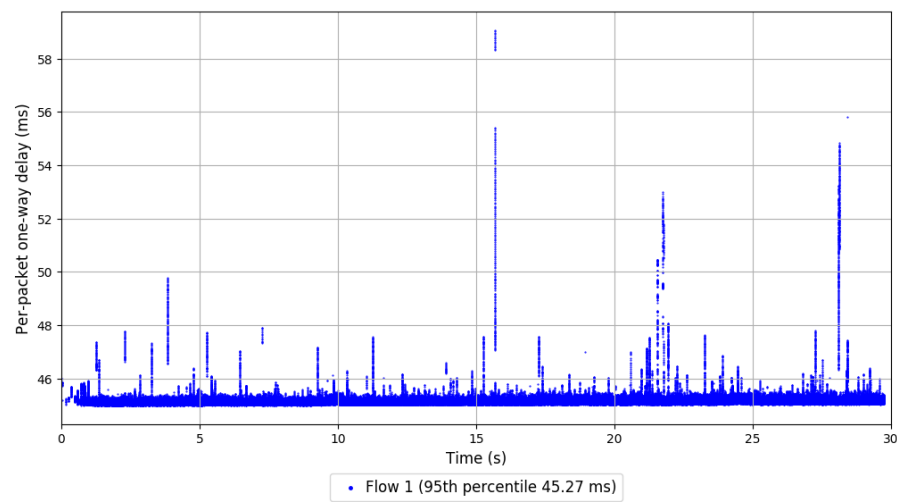
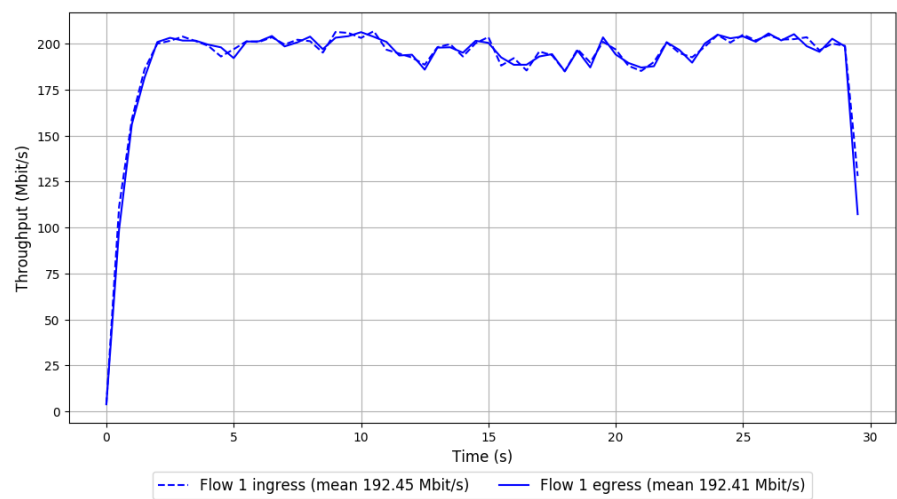
-- Flow 1:

Average throughput: 192.41 Mbit/s

95th percentile per-packet one-way delay: 45.269 ms

Loss rate: 0.35%

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



Run 9: Statistics of Indigo-2-256

Start at: 2018-01-25 23:43:46

End at: 2018-01-25 23:44:16

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.21 Mbit/s

95th percentile per-packet one-way delay: 46.505 ms

Loss rate: 0.38%

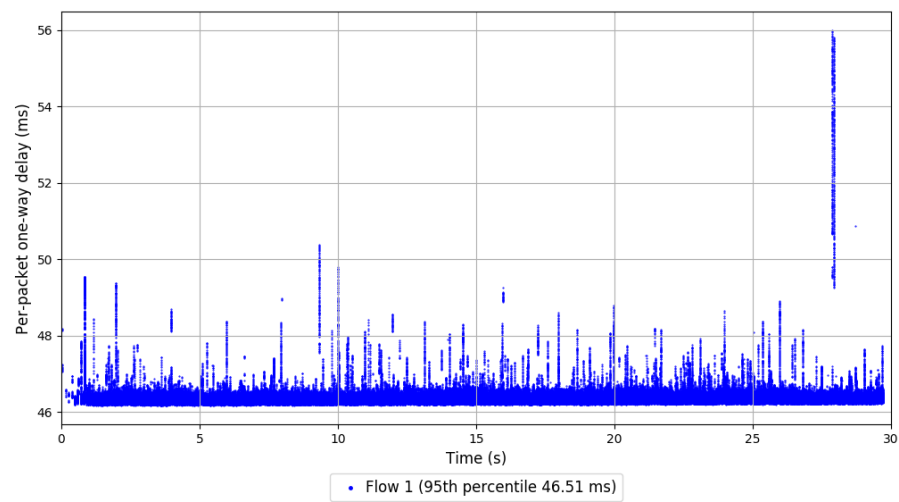
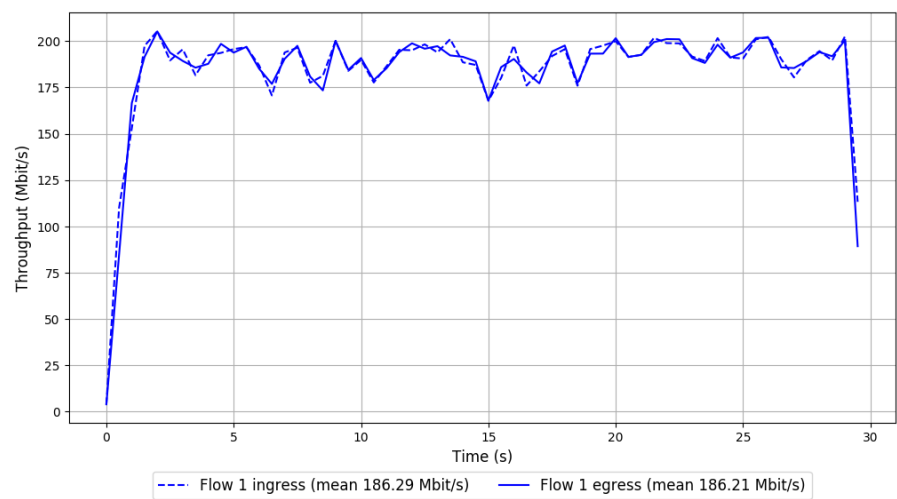
-- Flow 1:

Average throughput: 186.21 Mbit/s

95th percentile per-packet one-way delay: 46.505 ms

Loss rate: 0.38%

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



Run 10: Statistics of Indigo-2-256

Start at: 2018-01-25 23:55:52

End at: 2018-01-25 23:56:22

Below is generated by plot.py at 2018-01-26 02:40:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.10 Mbit/s

95th percentile per-packet one-way delay: 47.507 ms

Loss rate: 0.37%

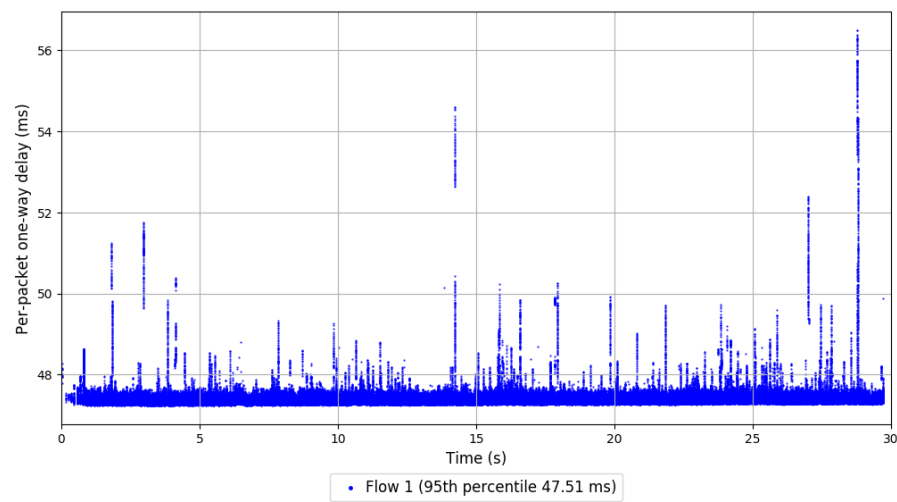
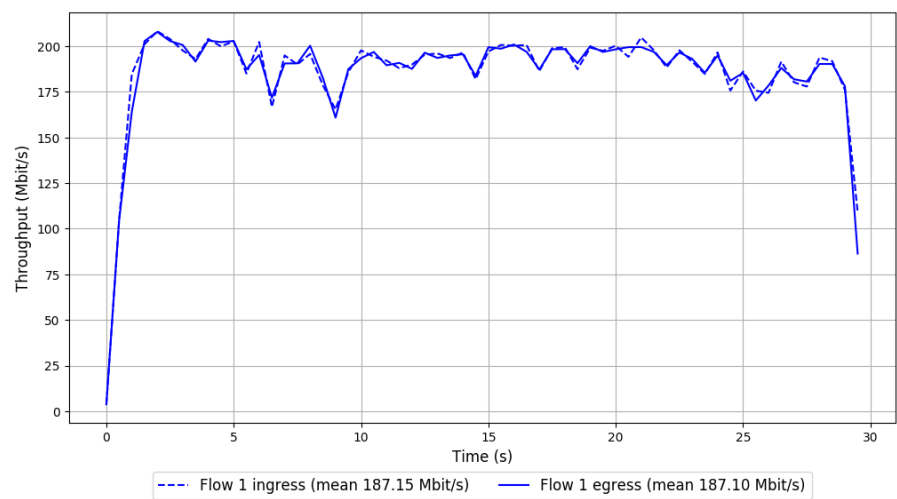
-- Flow 1:

Average throughput: 187.10 Mbit/s

95th percentile per-packet one-way delay: 47.507 ms

Loss rate: 0.37%

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

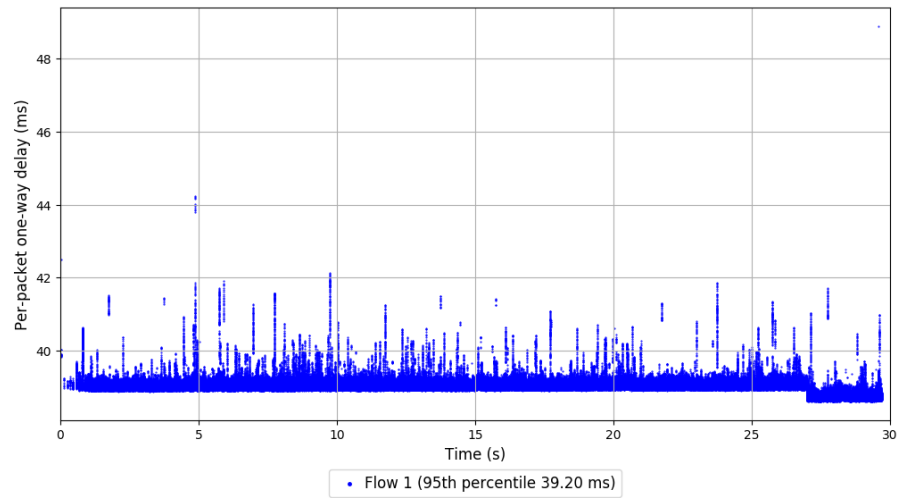
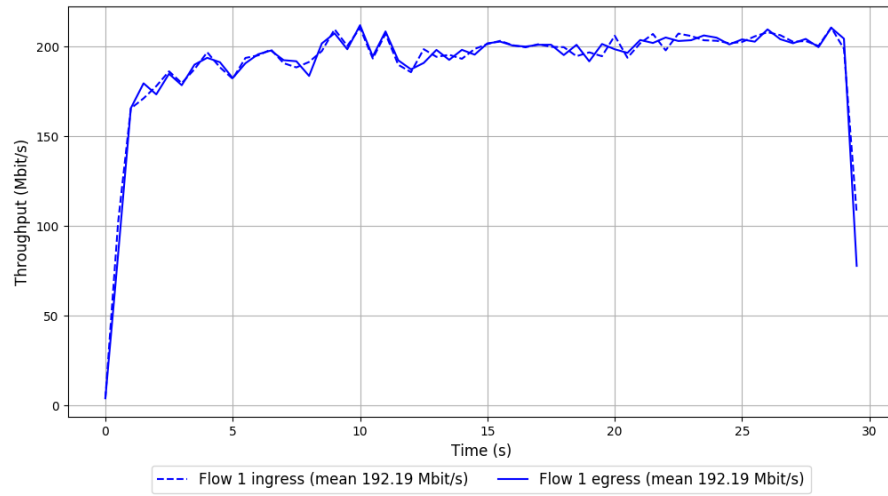


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-25 22:02:30
End at: 2018-01-25 22:03:00

# Below is generated by plot.py at 2018-01-26 02:40:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.19 Mbit/s
95th percentile per-packet one-way delay: 39.196 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 192.19 Mbit/s
95th percentile per-packet one-way delay: 39.196 ms
Loss rate: 0.36%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-01-25 22:14:29

End at: 2018-01-25 22:14:59

Below is generated by plot.py at 2018-01-26 02:40:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.45 Mbit/s

95th percentile per-packet one-way delay: 39.688 ms

Loss rate: 0.55%

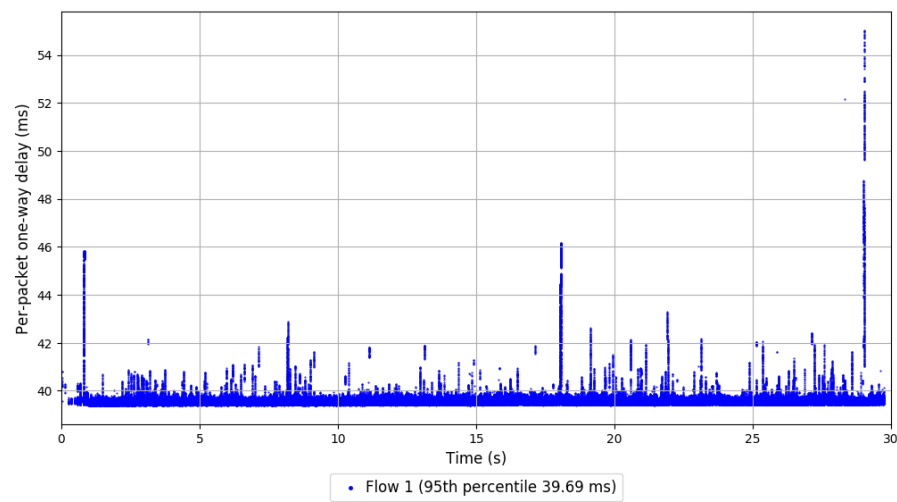
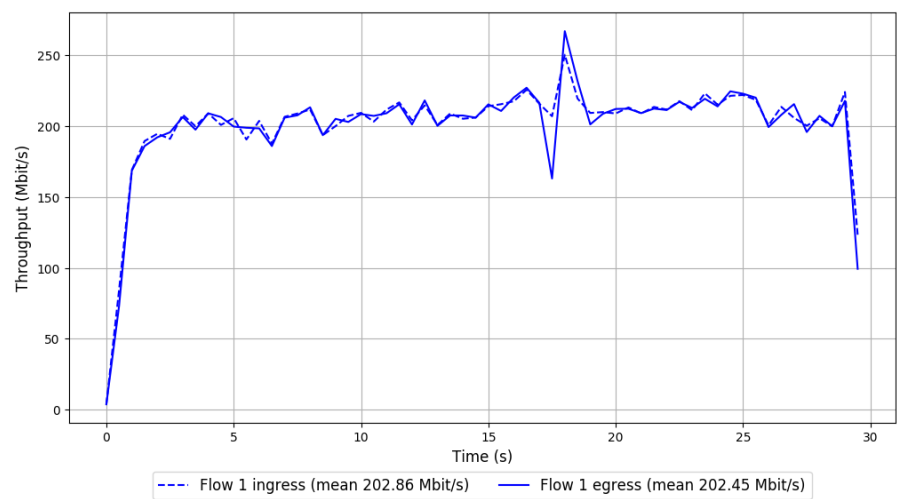
-- Flow 1:

Average throughput: 202.45 Mbit/s

95th percentile per-packet one-way delay: 39.688 ms

Loss rate: 0.55%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-25 22:26:21

End at: 2018-01-25 22:26:51

Below is generated by plot.py at 2018-01-26 02:40:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.74 Mbit/s

95th percentile per-packet one-way delay: 40.496 ms

Loss rate: 0.35%

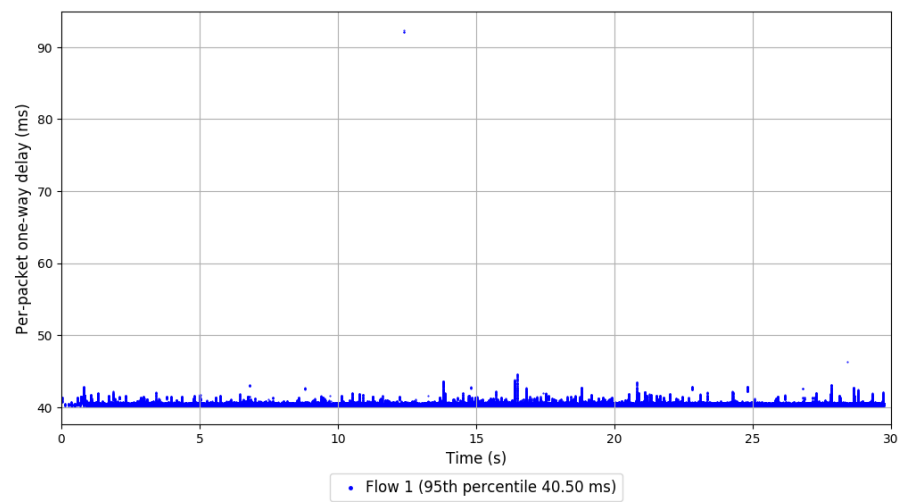
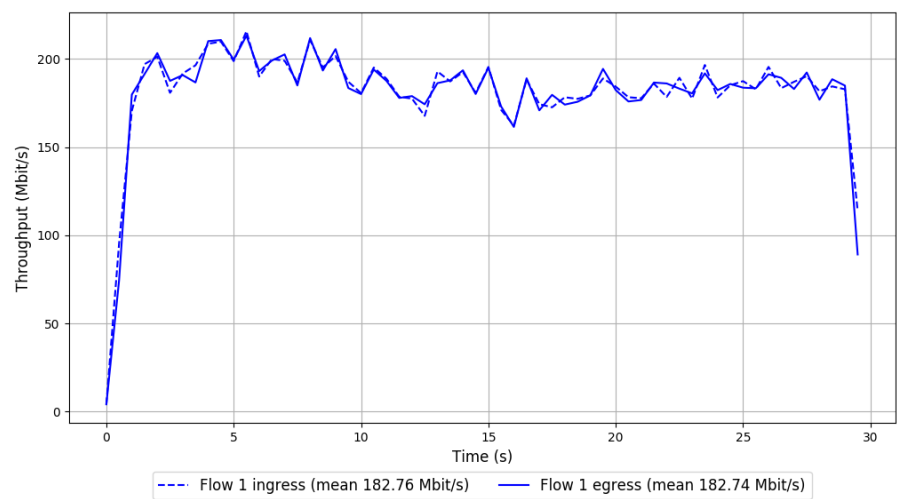
-- Flow 1:

Average throughput: 182.74 Mbit/s

95th percentile per-packet one-way delay: 40.496 ms

Loss rate: 0.35%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-25 22:38:19

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

Below is generated by plot.py at 2018-01-26 02:40:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.14 Mbit/s

95th percentile per-packet one-way delay: 41.129 ms

Loss rate: 0.36%

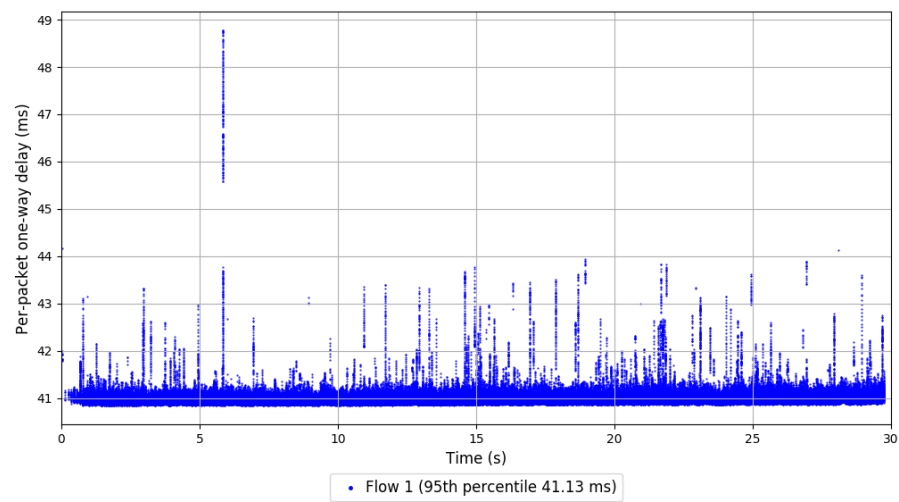
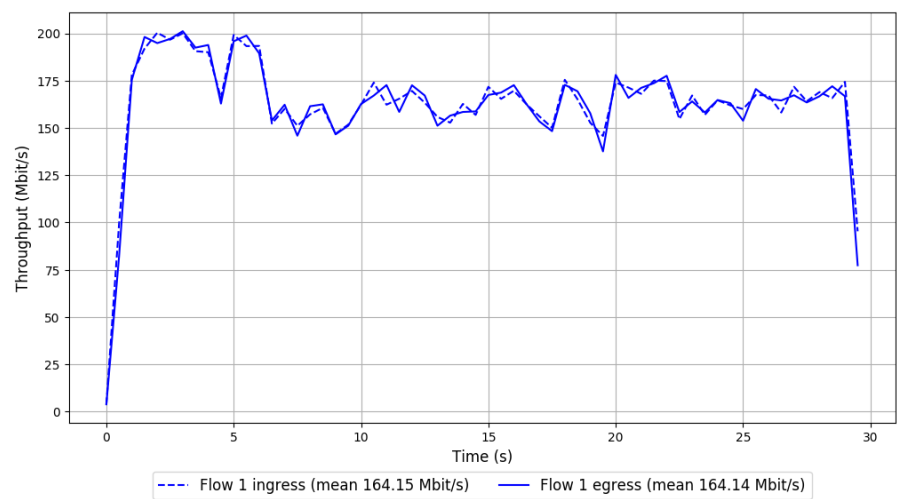
-- Flow 1:

Average throughput: 164.14 Mbit/s

95th percentile per-packet one-way delay: 41.129 ms

Loss rate: 0.36%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-25 22:50:00

End at: 2018-01-25 22:50:30

Below is generated by plot.py at 2018-01-26 02:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.83 Mbit/s

95th percentile per-packet one-way delay: 41.509 ms

Loss rate: 0.39%

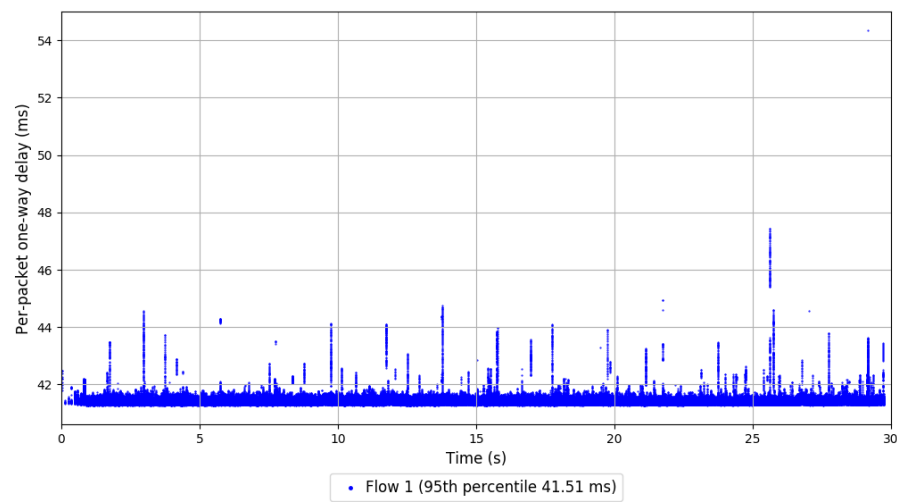
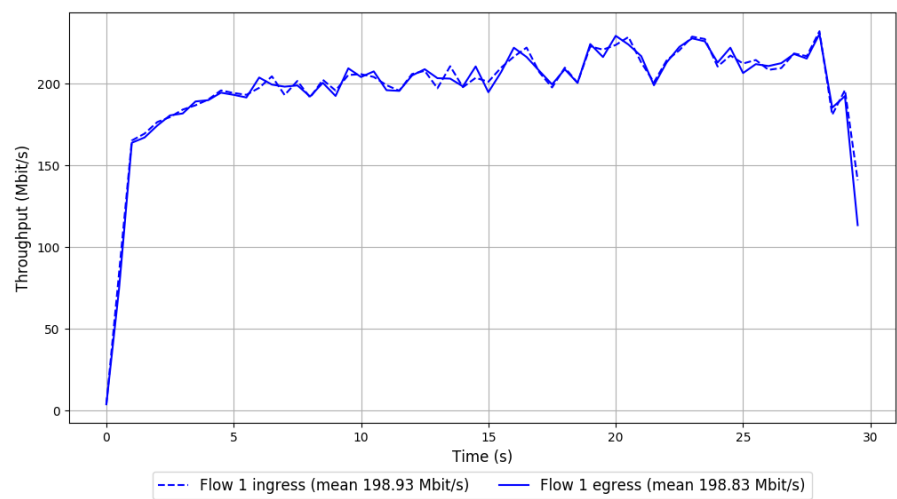
-- Flow 1:

Average throughput: 198.83 Mbit/s

95th percentile per-packet one-way delay: 41.509 ms

Loss rate: 0.39%

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



Run 6: Statistics of Indigo-1-32

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

End at: 2018-01-25 23:02:26

Below is generated by plot.py at 2018-01-26 02:42:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.47 Mbit/s

95th percentile per-packet one-way delay: 42.659 ms

Loss rate: 0.39%

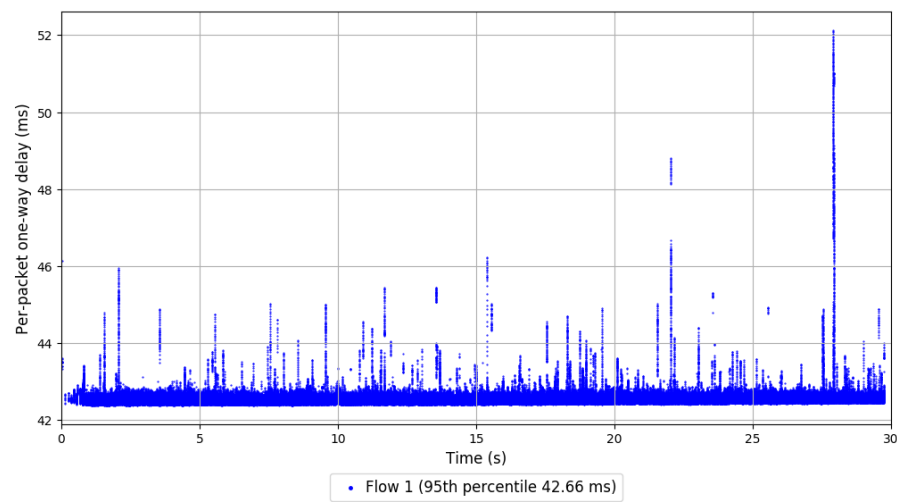
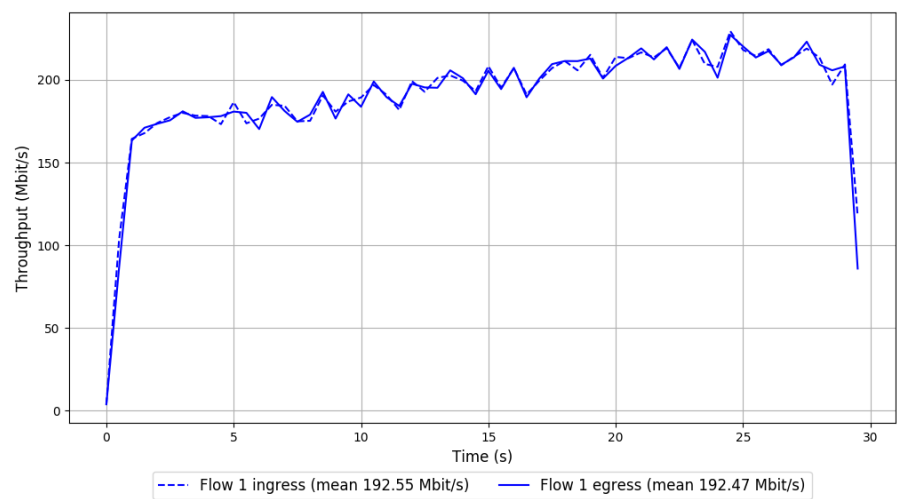
-- Flow 1:

Average throughput: 192.47 Mbit/s

95th percentile per-packet one-way delay: 42.659 ms

Loss rate: 0.39%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-25 23:14:11

End at: 2018-01-25 23:14:41

Below is generated by plot.py at 2018-01-26 02:42:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.88 Mbit/s

95th percentile per-packet one-way delay: 43.787 ms

Loss rate: 0.48%

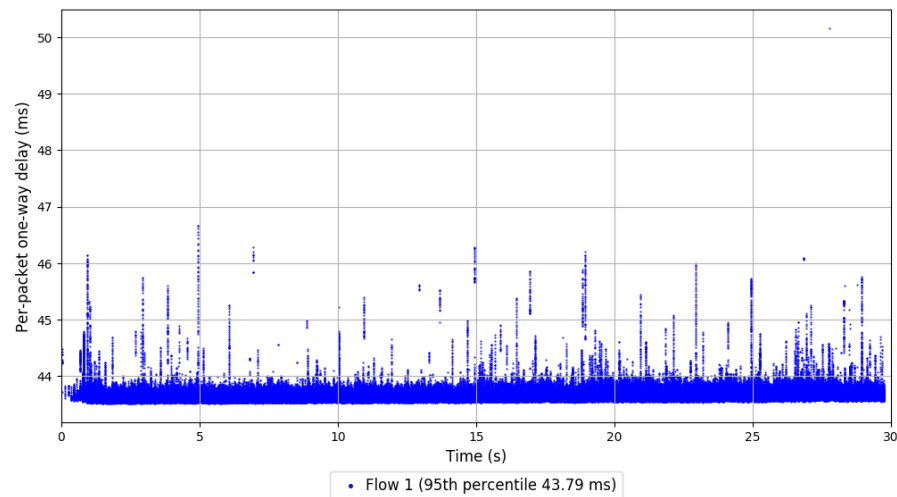
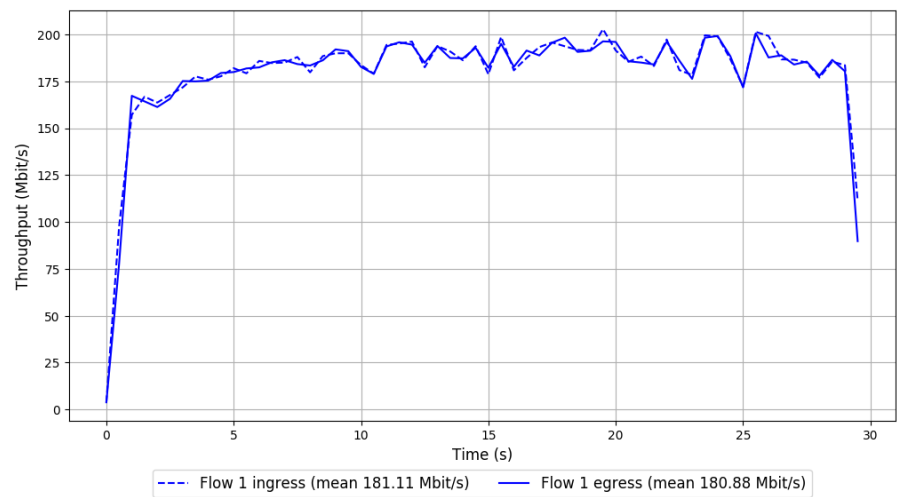
-- Flow 1:

Average throughput: 180.88 Mbit/s

95th percentile per-packet one-way delay: 43.787 ms

Loss rate: 0.48%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-25 23:26:00

End at: 2018-01-25 23:26:30

Below is generated by plot.py at 2018-01-26 02:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.61 Mbit/s

95th percentile per-packet one-way delay: 44.715 ms

Loss rate: 0.53%

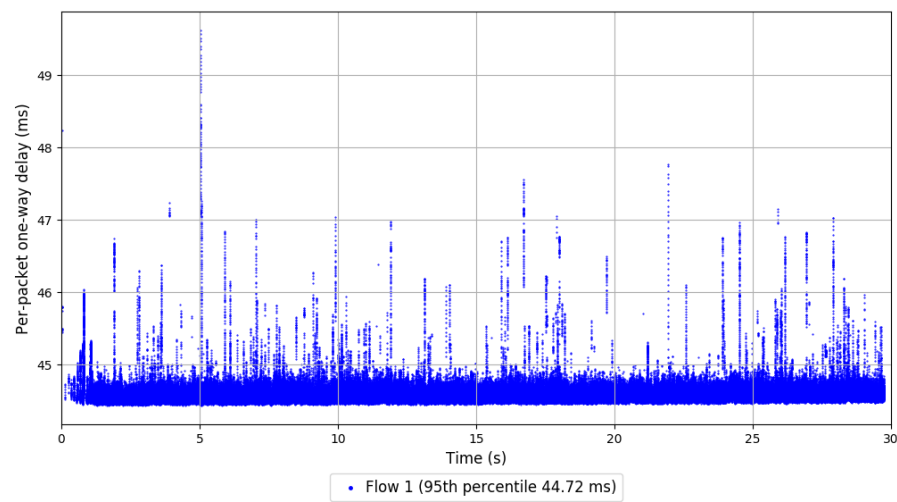
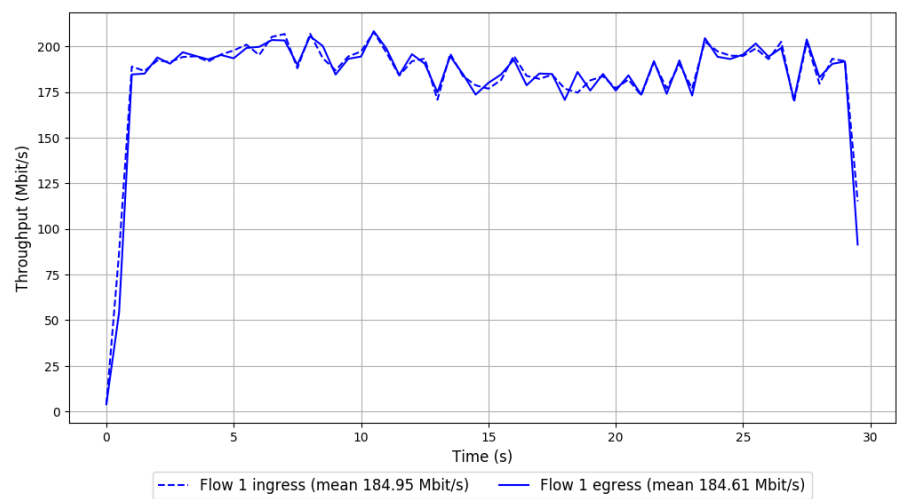
-- Flow 1:

Average throughput: 184.61 Mbit/s

95th percentile per-packet one-way delay: 44.715 ms

Loss rate: 0.53%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-25 23:37:41

End at: 2018-01-25 23:38:11

Below is generated by plot.py at 2018-01-26 02:43:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.39 Mbit/s

95th percentile per-packet one-way delay: 45.869 ms

Loss rate: 0.38%

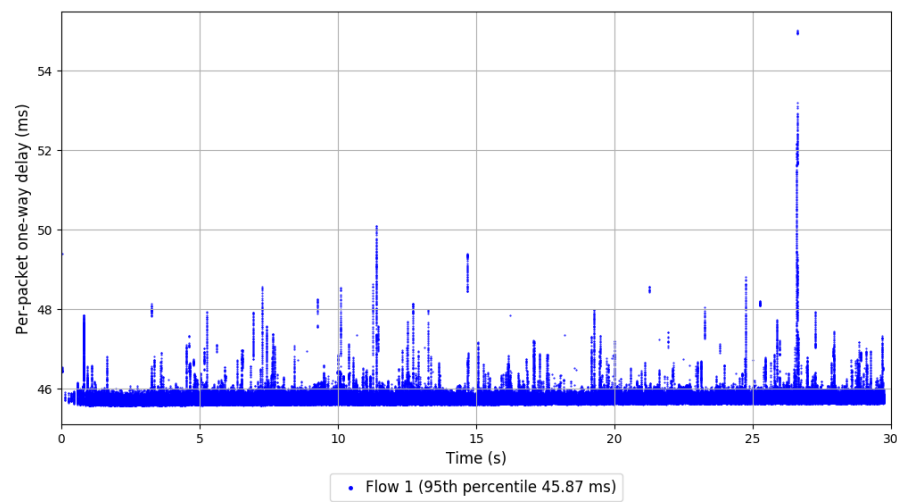
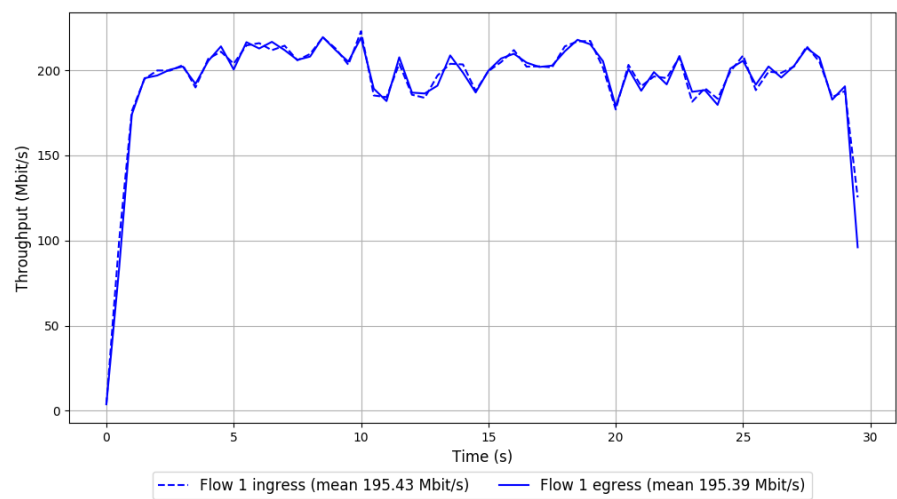
-- Flow 1:

Average throughput: 195.39 Mbit/s

95th percentile per-packet one-way delay: 45.869 ms

Loss rate: 0.38%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-25 23:49:45

End at: 2018-01-25 23:50:15

Below is generated by plot.py at 2018-01-26 02:43:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.94 Mbit/s

95th percentile per-packet one-way delay: 46.971 ms

Loss rate: 0.35%

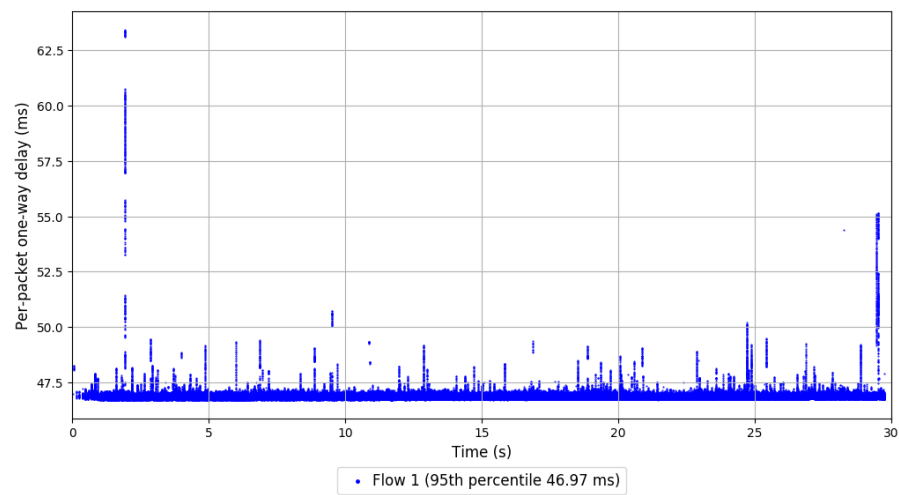
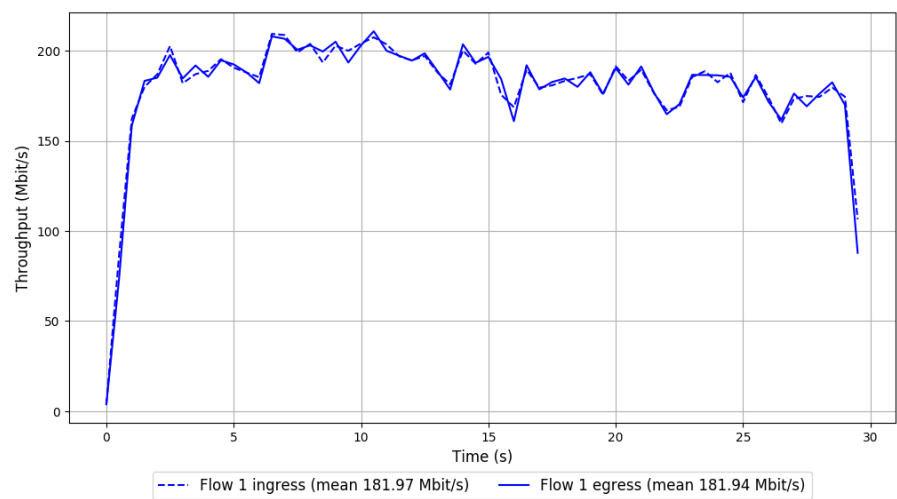
-- Flow 1:

Average throughput: 181.94 Mbit/s

95th percentile per-packet one-way delay: 46.971 ms

Loss rate: 0.35%

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

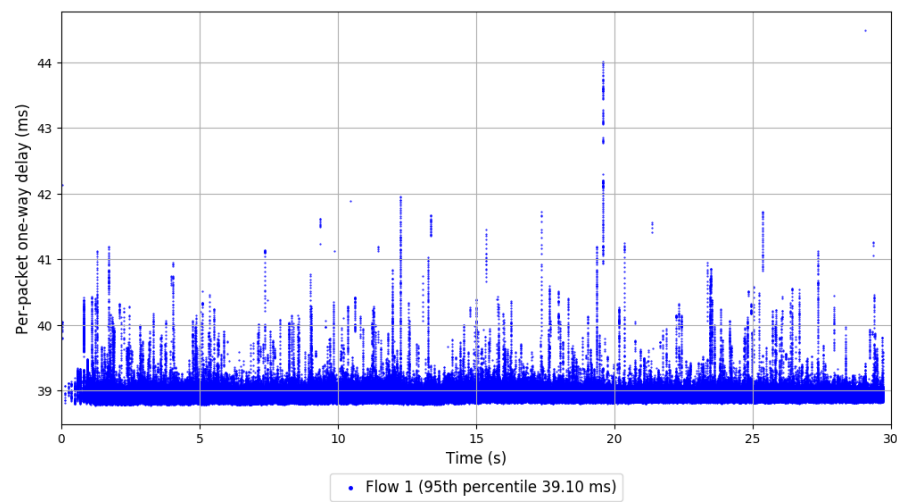
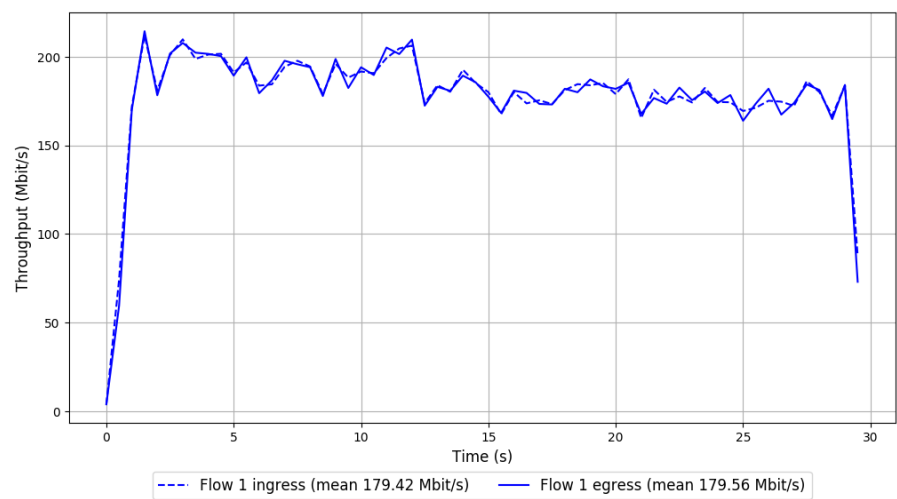


```
Run 1: Statistics of Indigo-1-128

Start at: 2018-01-25 22:05:14
End at: 2018-01-25 22:05:44

# Below is generated by plot.py at 2018-01-26 02:43:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.56 Mbit/s
95th percentile per-packet one-way delay: 39.100 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 179.56 Mbit/s
95th percentile per-packet one-way delay: 39.100 ms
Loss rate: 0.28%
```

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



Run 2: Statistics of Indigo-1-128

Start at: 2018-01-25 22:17:14

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

Below is generated by plot.py at 2018-01-26 02:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.41 Mbit/s

95th percentile per-packet one-way delay: 39.830 ms

Loss rate: 0.29%

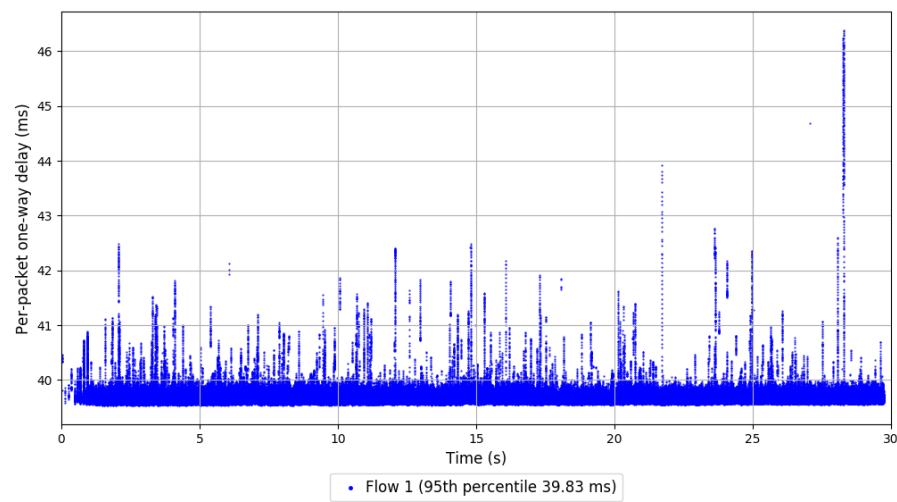
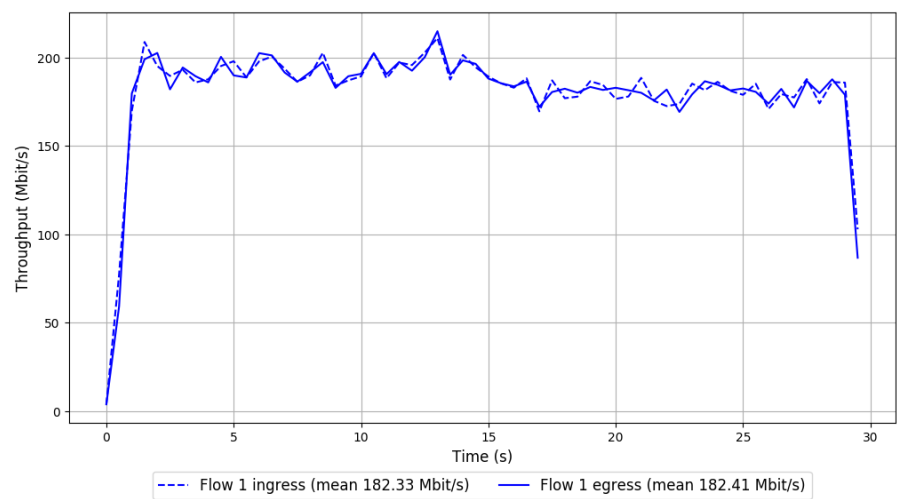
-- Flow 1:

Average throughput: 182.41 Mbit/s

95th percentile per-packet one-way delay: 39.830 ms

Loss rate: 0.29%

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



Run 3: Statistics of Indigo-1-128

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

End at: 2018-01-25 22:29:33

Below is generated by plot.py at 2018-01-26 02:45:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.33 Mbit/s

95th percentile per-packet one-way delay: 40.639 ms

Loss rate: 0.37%

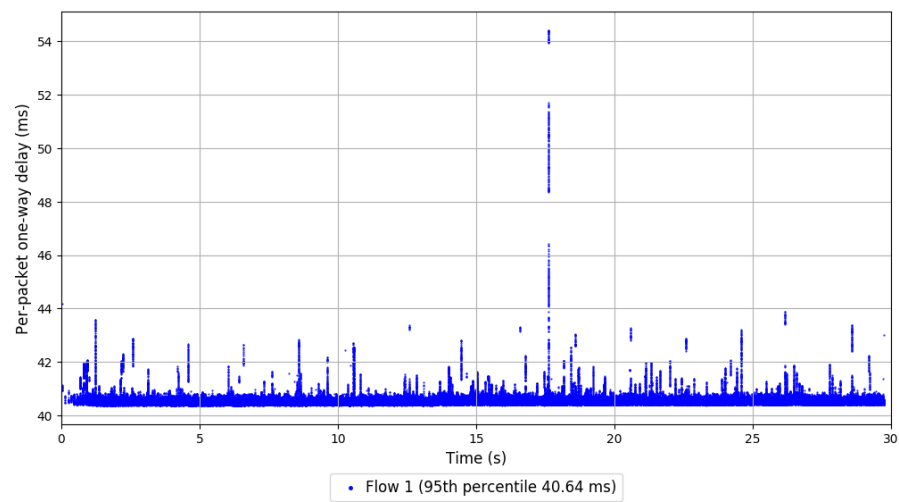
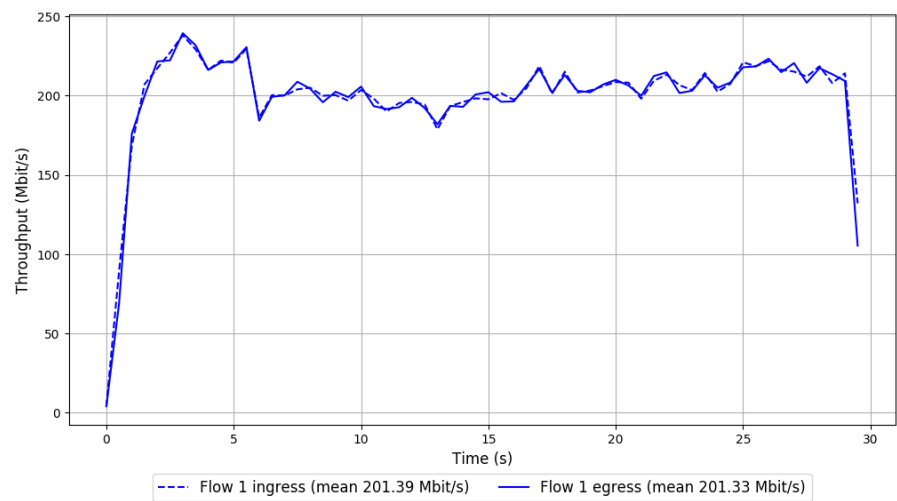
-- Flow 1:

Average throughput: 201.33 Mbit/s

95th percentile per-packet one-way delay: 40.639 ms

Loss rate: 0.37%

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



Run 4: Statistics of Indigo-1-128

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

End at: 2018-01-25 22:41:31

Below is generated by plot.py at 2018-01-26 02:45:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.26 Mbit/s

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

Loss rate: 0.46%

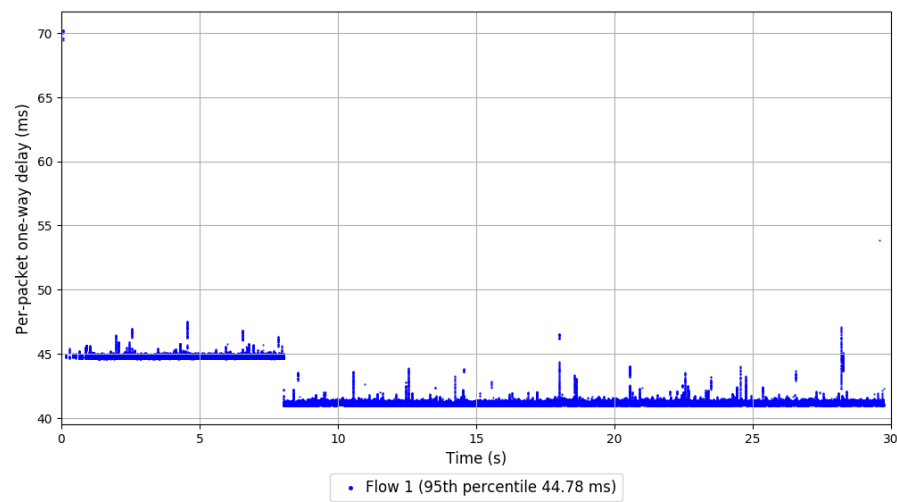
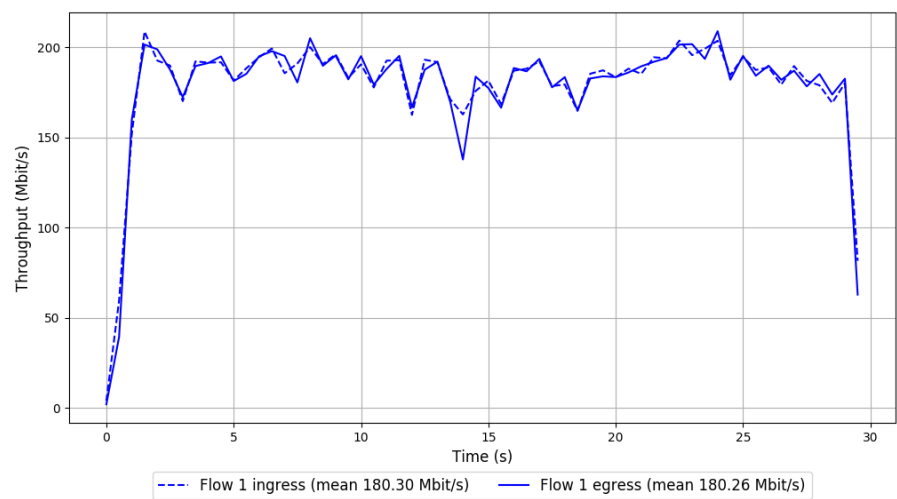
-- Flow 1:

Average throughput: 180.26 Mbit/s

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

Loss rate: 0.46%

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



Run 5: Statistics of Indigo-1-128

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

End at: 2018-01-25 22:53:14

Below is generated by plot.py at 2018-01-26 02:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.81 Mbit/s

95th percentile per-packet one-way delay: 41.698 ms

Loss rate: 0.34%

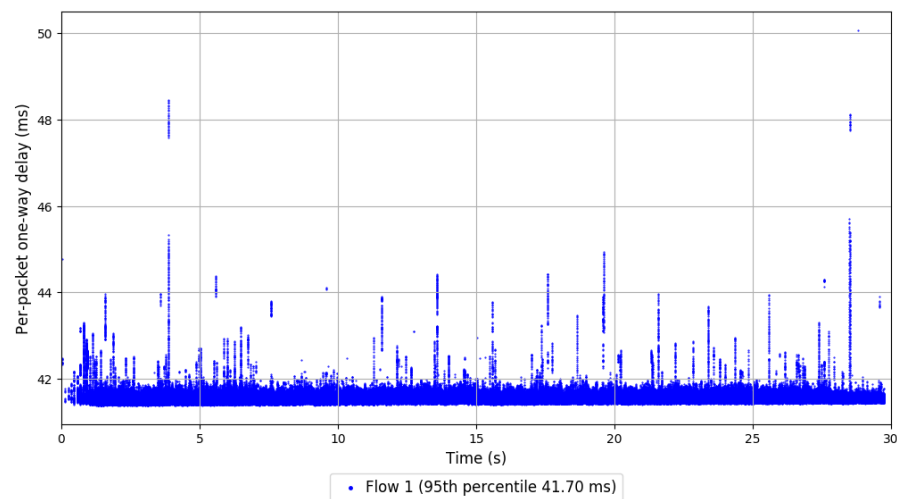
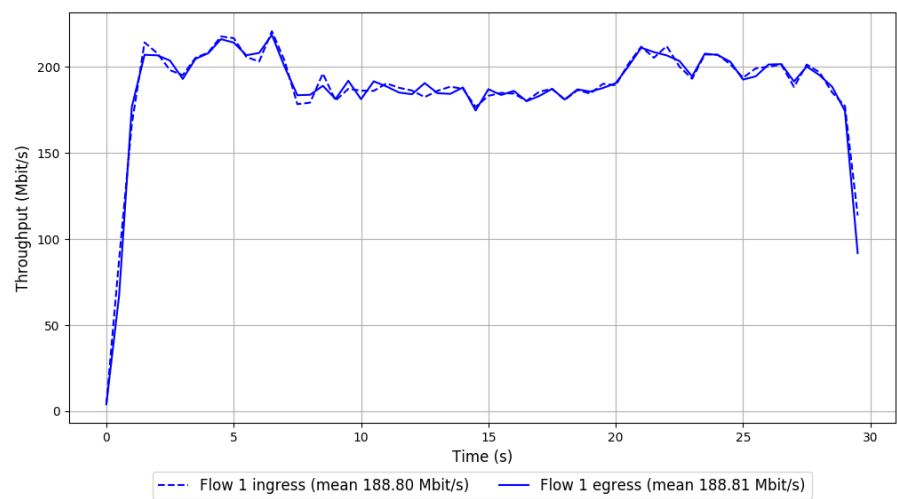
-- Flow 1:

Average throughput: 188.81 Mbit/s

95th percentile per-packet one-way delay: 41.698 ms

Loss rate: 0.34%

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



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-25 23:04:42

End at: 2018-01-25 23:05:12

Below is generated by plot.py at 2018-01-26 02:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.71 Mbit/s

95th percentile per-packet one-way delay: 42.940 ms

Loss rate: 0.62%

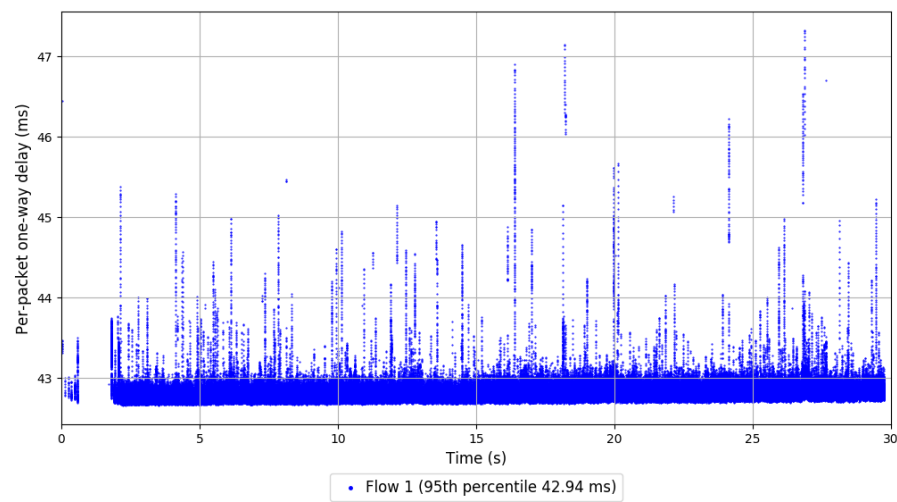
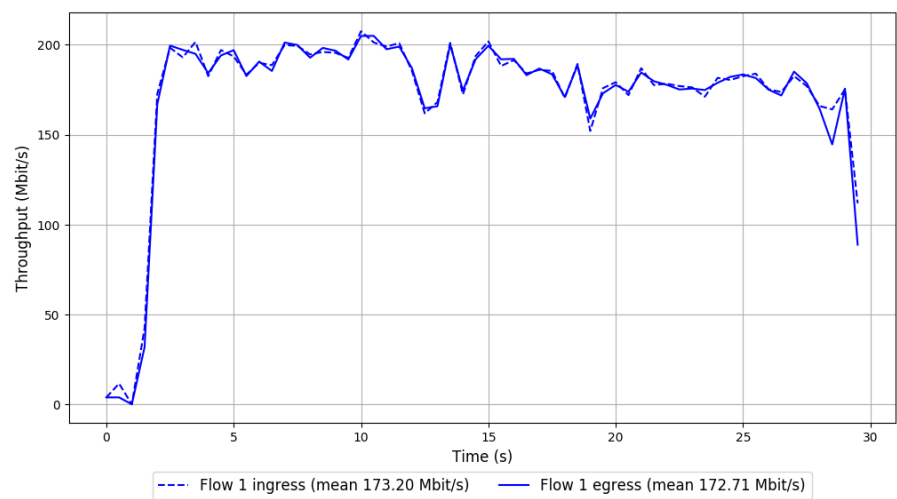
-- Flow 1:

Average throughput: 172.71 Mbit/s

95th percentile per-packet one-way delay: 42.940 ms

Loss rate: 0.62%

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



Run 7: Statistics of Indigo-1-128

Start at: 2018-01-25 23:16:54

End at: 2018-01-25 23:17:24

Below is generated by plot.py at 2018-01-26 02:45:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.81 Mbit/s

95th percentile per-packet one-way delay: 44.058 ms

Loss rate: 0.34%

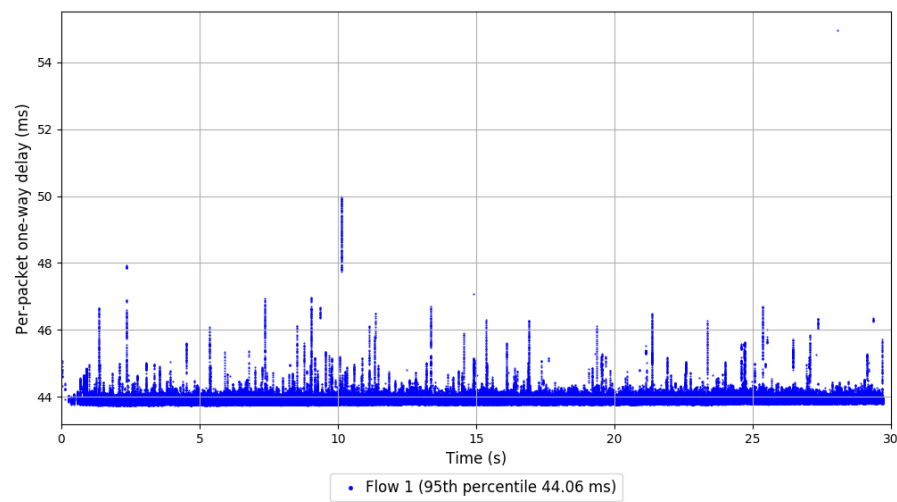
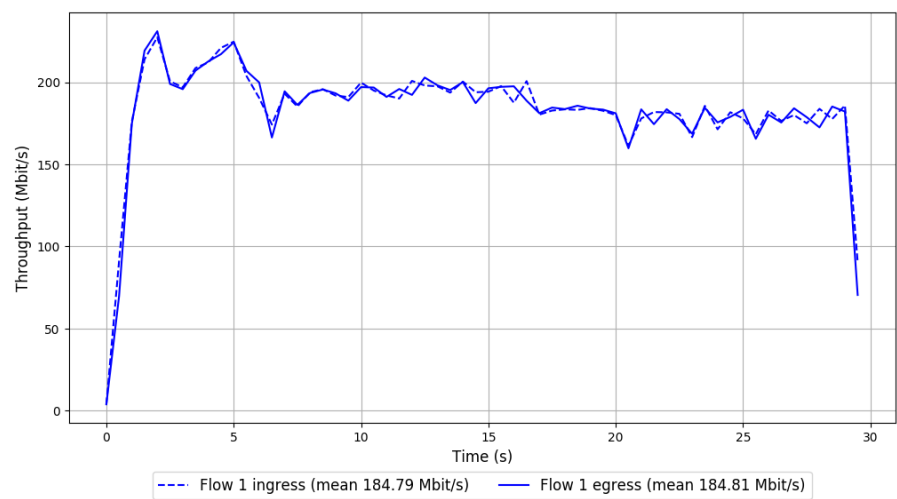
-- Flow 1:

Average throughput: 184.81 Mbit/s

95th percentile per-packet one-way delay: 44.058 ms

Loss rate: 0.34%

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



Run 8: Statistics of Indigo-1-128

Start at: 2018-01-25 23:28:43

End at: 2018-01-25 23:29:13

Below is generated by plot.py at 2018-01-26 02:46:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.10 Mbit/s

95th percentile per-packet one-way delay: 44.962 ms

Loss rate: 0.35%

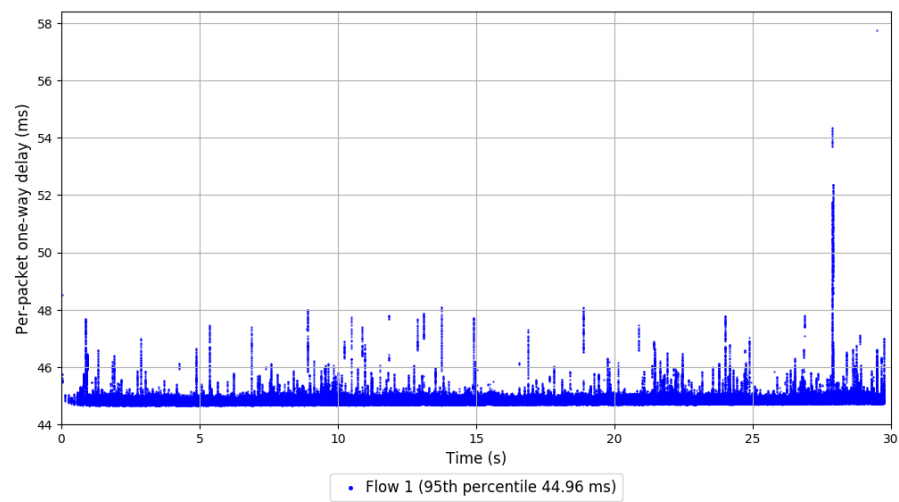
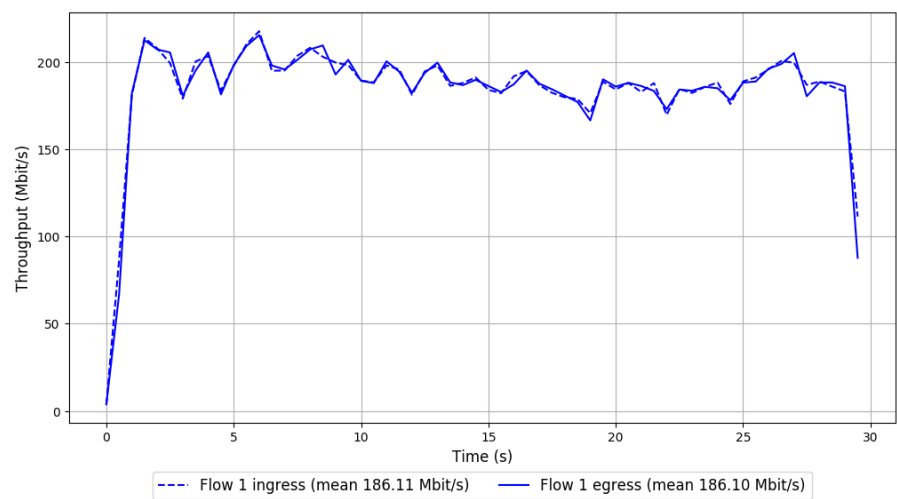
-- Flow 1:

Average throughput: 186.10 Mbit/s

95th percentile per-packet one-way delay: 44.962 ms

Loss rate: 0.35%

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



Run 9: Statistics of Indigo-1-128

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

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

Below is generated by plot.py at 2018-01-26 02:46:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.50 Mbit/s

95th percentile per-packet one-way delay: 46.175 ms

Loss rate: 0.36%

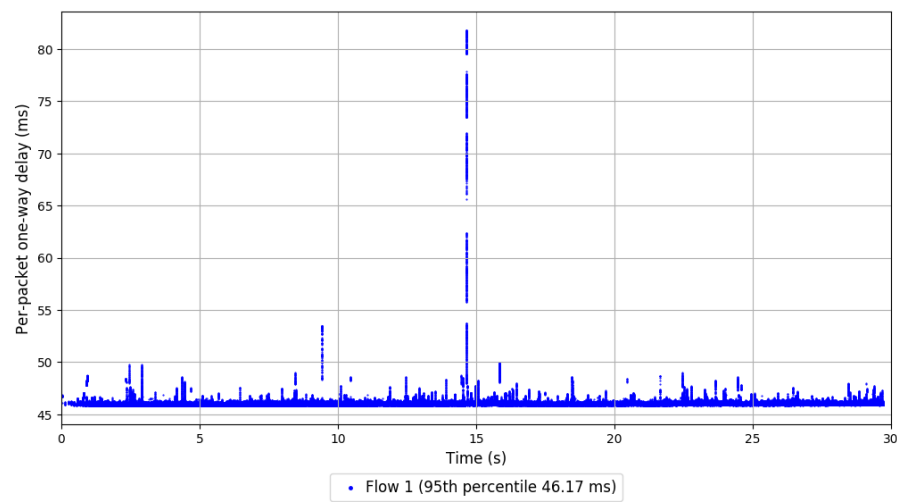
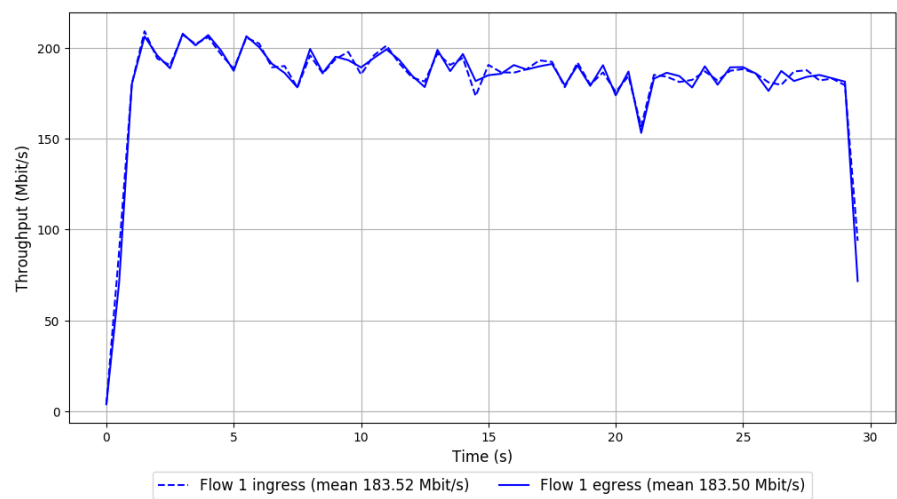
-- Flow 1:

Average throughput: 183.50 Mbit/s

95th percentile per-packet one-way delay: 46.175 ms

Loss rate: 0.36%

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



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-25 23:52:27

End at: 2018-01-25 23:52:57

Below is generated by plot.py at 2018-01-26 02:46:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.76 Mbit/s

95th percentile per-packet one-way delay: 47.247 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 195.76 Mbit/s

95th percentile per-packet one-way delay: 47.247 ms

Loss rate: 0.36%

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

