

Pantheon Report

Generated at 2018-03-06 16:59:29 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

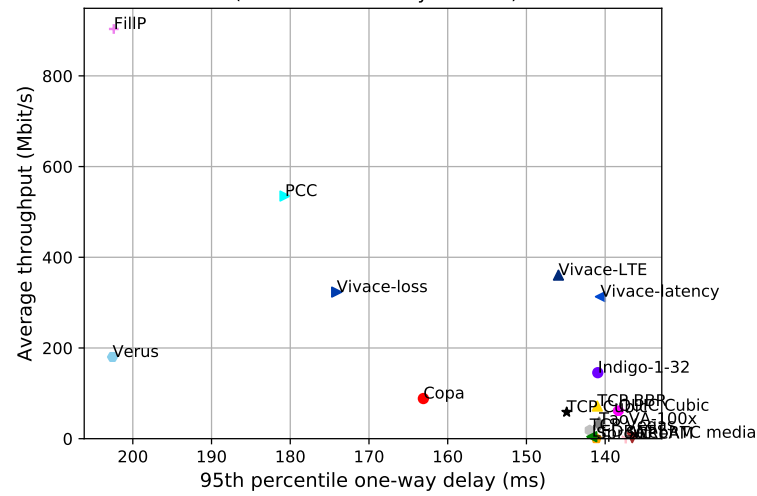
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

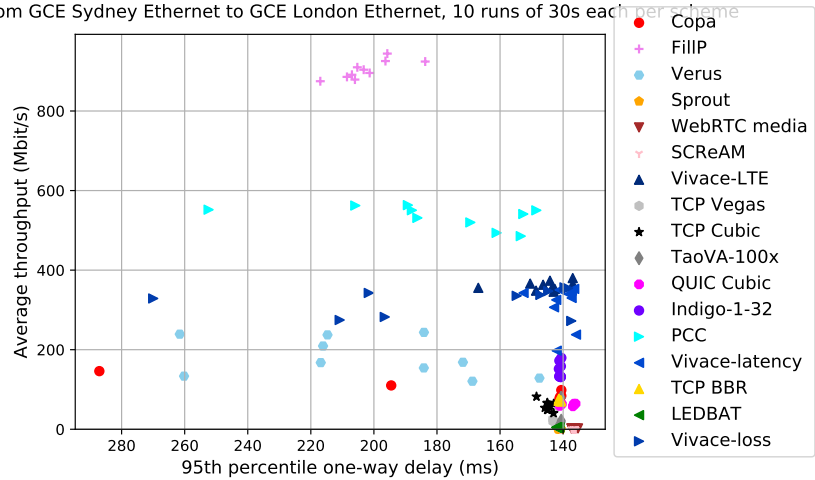
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5ceec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from GCE Sydney Ethernet to GCE London 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	72.04	141.00	0.01
TCP Cubic	10	58.61	144.89	0.00
LEDBAT	10	4.45	141.70	0.05
PCC	10	534.99	180.67	0.96
QUIC Cubic	7	61.64	138.32	0.00
SCReAM	10	0.22	137.39	0.00
WebRTC media	10	2.10	136.56	0.00
Sprout	10	0.53	141.12	0.00
TaoVA-100x	4	32.23	140.78	0.00
TCP Vegas	10	18.65	141.97	0.01
Verus	10	180.20	202.58	0.81
Copa	9	88.54	163.09	2.64
FillP	10	903.41	202.42	1.54
Indigo-1-32	10	145.54	140.94	0.02
Vivace-latency	10	313.10	140.61	0.00
Vivace-loss	10	323.23	174.10	0.31
Vivace-LTE	10	360.73	145.93	0.07

Run 1: Statistics of TCP BBR

Start at: 2018-03-06 11:59:00

End at: 2018-03-06 11:59:30

Below is generated by plot.py at 2018-03-06 15:53:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.64 Mbit/s

95th percentile per-packet one-way delay: 140.783 ms

Loss rate: 0.00%

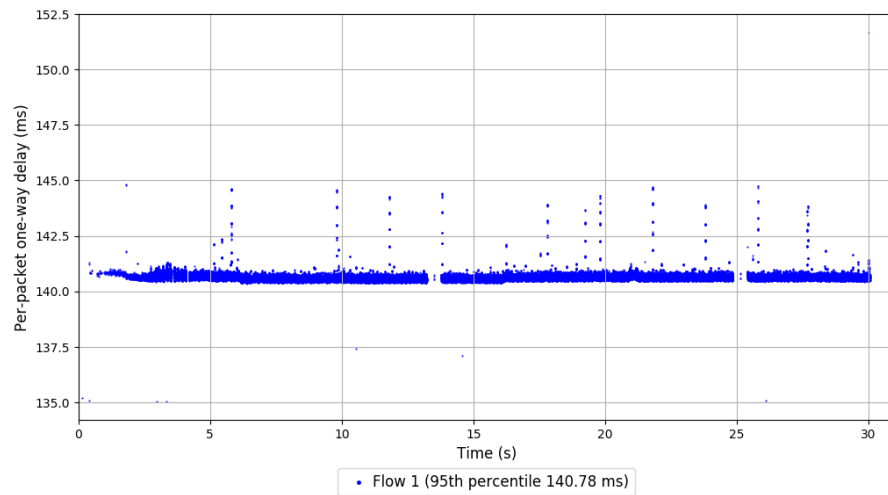
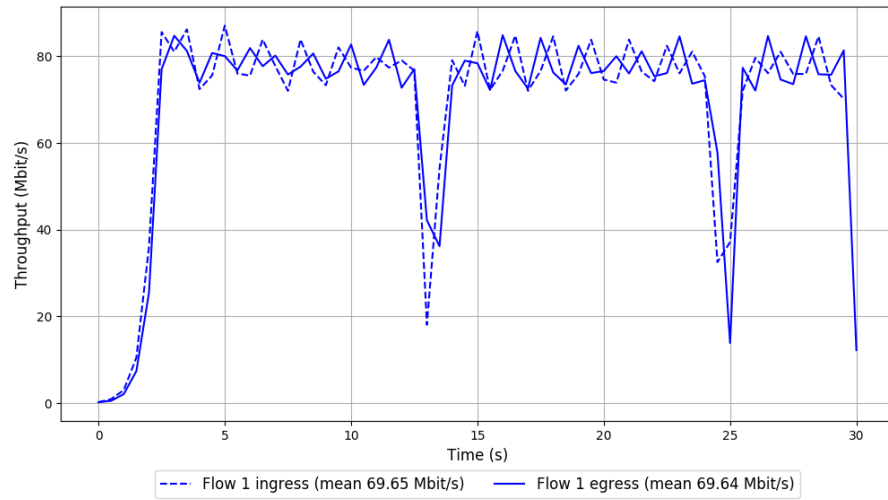
-- Flow 1:

Average throughput: 69.64 Mbit/s

95th percentile per-packet one-way delay: 140.783 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-03-06 12:14:47

End at: 2018-03-06 12:15:17

Below is generated by plot.py at 2018-03-06 15:53:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.82 Mbit/s

95th percentile per-packet one-way delay: 140.761 ms

Loss rate: 0.00%

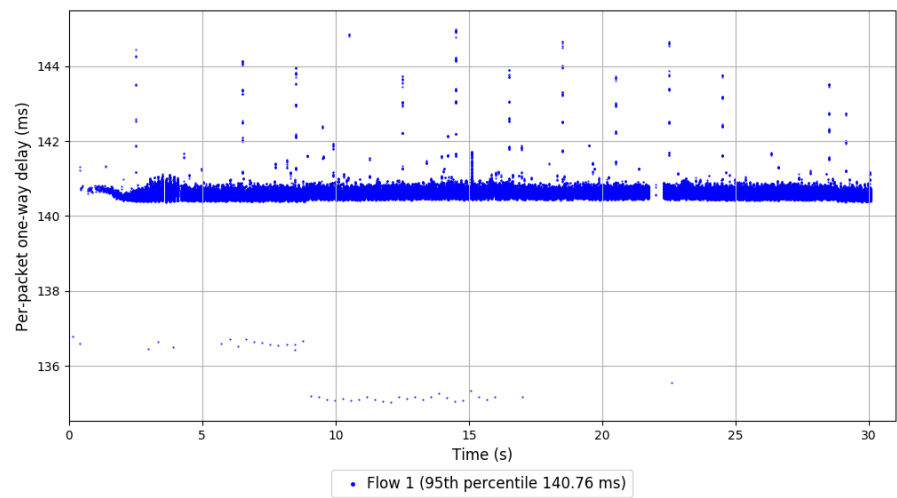
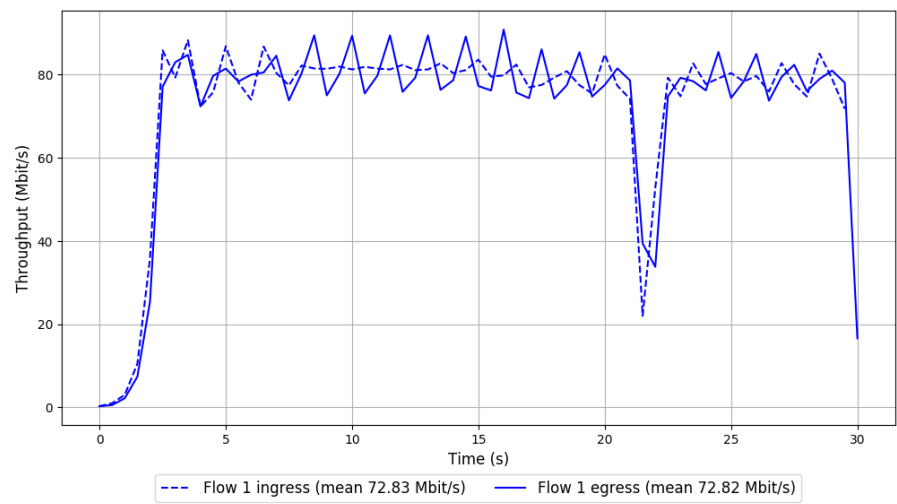
-- Flow 1:

Average throughput: 72.82 Mbit/s

95th percentile per-packet one-way delay: 140.761 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-06 12:30:42

End at: 2018-03-06 12:31:12

Below is generated by plot.py at 2018-03-06 15:53:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.18 Mbit/s

95th percentile per-packet one-way delay: 140.728 ms

Loss rate: 0.02%

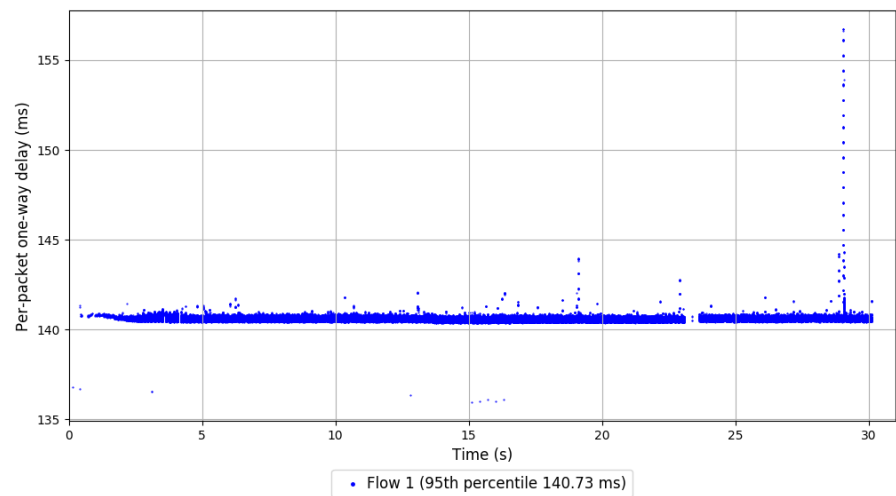
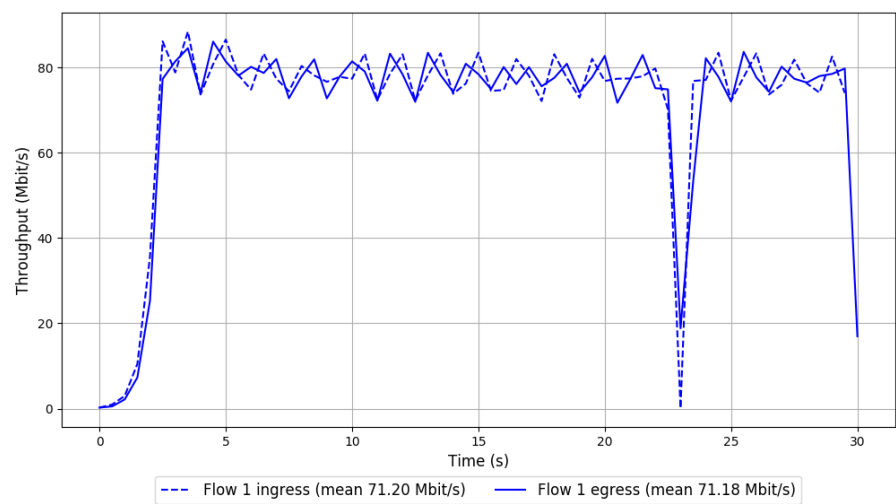
-- Flow 1:

Average throughput: 71.18 Mbit/s

95th percentile per-packet one-way delay: 140.728 ms

Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-06 12:46:41

End at: 2018-03-06 12:47:11

Below is generated by plot.py at 2018-03-06 15:53:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.53 Mbit/s

95th percentile per-packet one-way delay: 141.348 ms

Loss rate: 0.00%

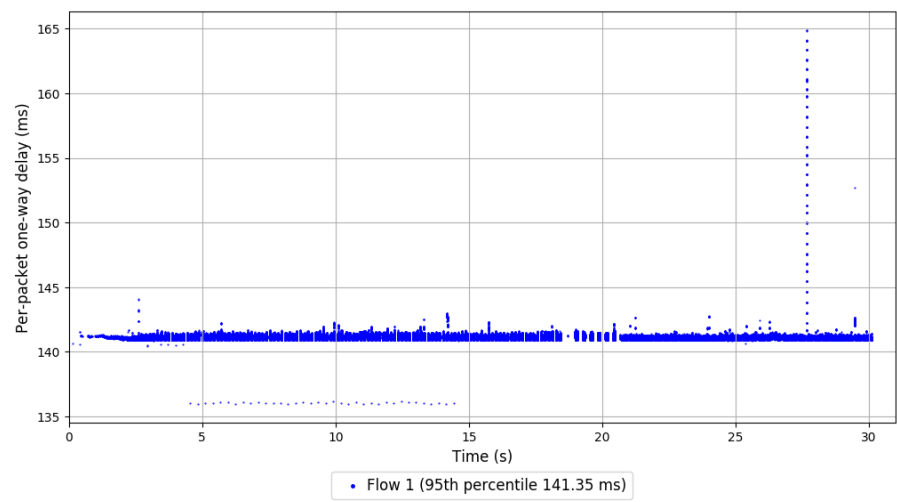
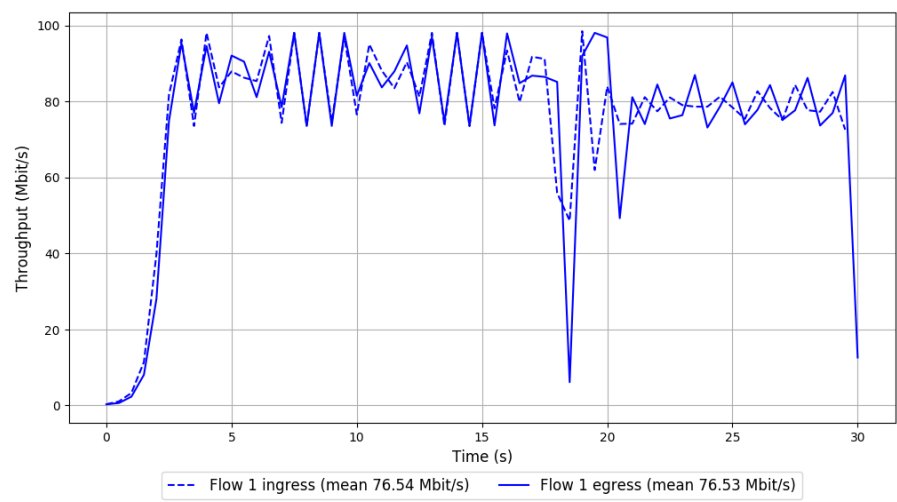
-- Flow 1:

Average throughput: 76.53 Mbit/s

95th percentile per-packet one-way delay: 141.348 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-06 13:02:49

End at: 2018-03-06 13:03:19

Below is generated by plot.py at 2018-03-06 15:53:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.51 Mbit/s

95th percentile per-packet one-way delay: 141.251 ms

Loss rate: 0.01%

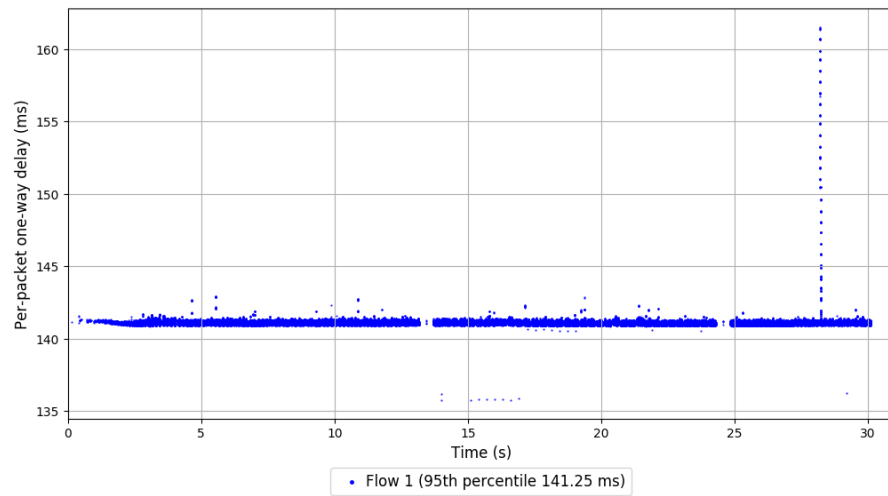
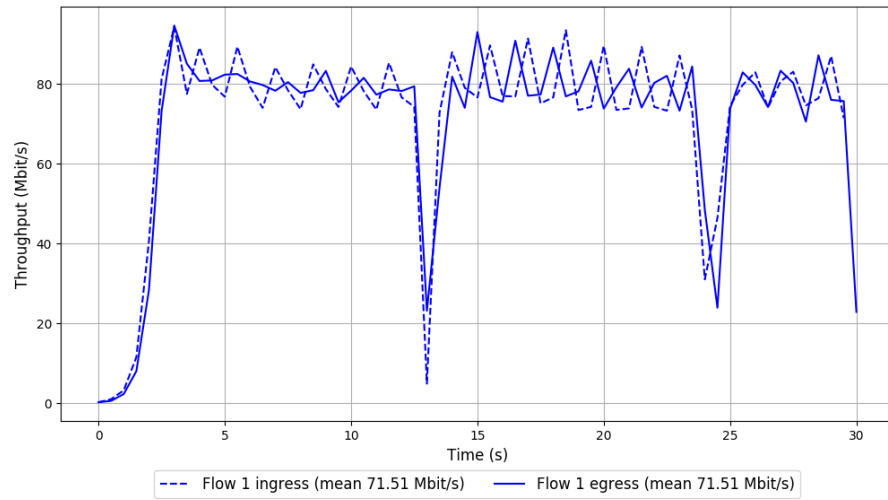
-- Flow 1:

Average throughput: 71.51 Mbit/s

95th percentile per-packet one-way delay: 141.251 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-03-06 13:19:01

End at: 2018-03-06 13:19:31

Below is generated by plot.py at 2018-03-06 15:53:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.80 Mbit/s

95th percentile per-packet one-way delay: 141.343 ms

Loss rate: 0.02%

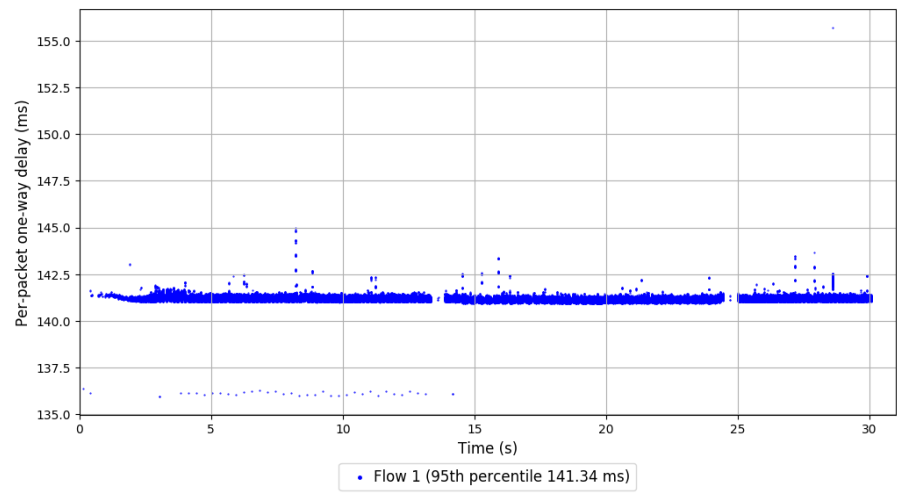
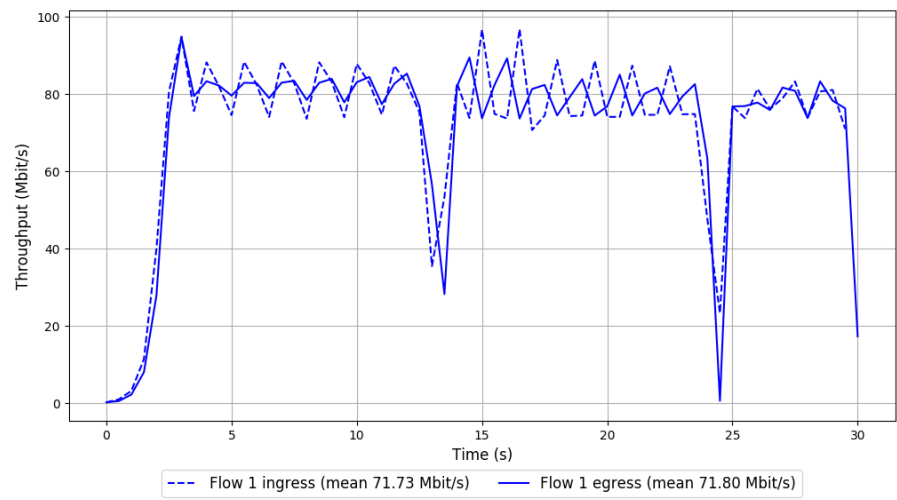
-- Flow 1:

Average throughput: 71.80 Mbit/s

95th percentile per-packet one-way delay: 141.343 ms

Loss rate: 0.02%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-03-06 13:35:01

End at: 2018-03-06 13:35:31

Below is generated by plot.py at 2018-03-06 15:53:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.61 Mbit/s

95th percentile per-packet one-way delay: 141.404 ms

Loss rate: 0.02%

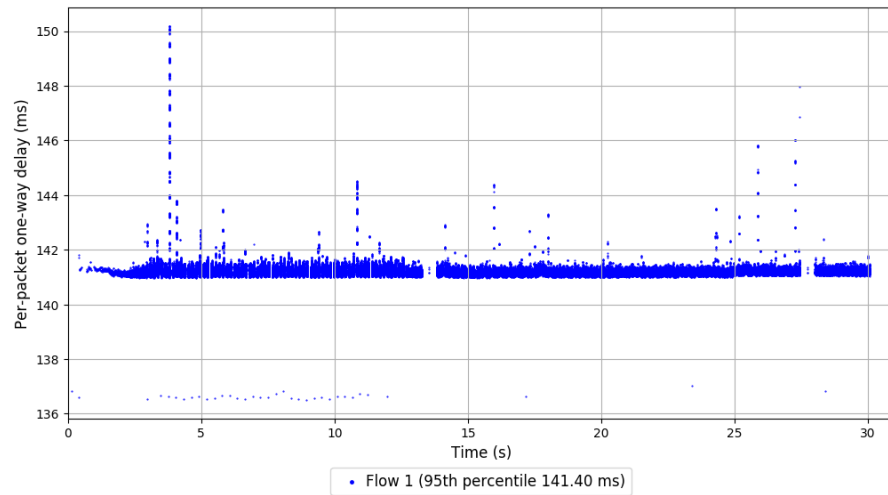
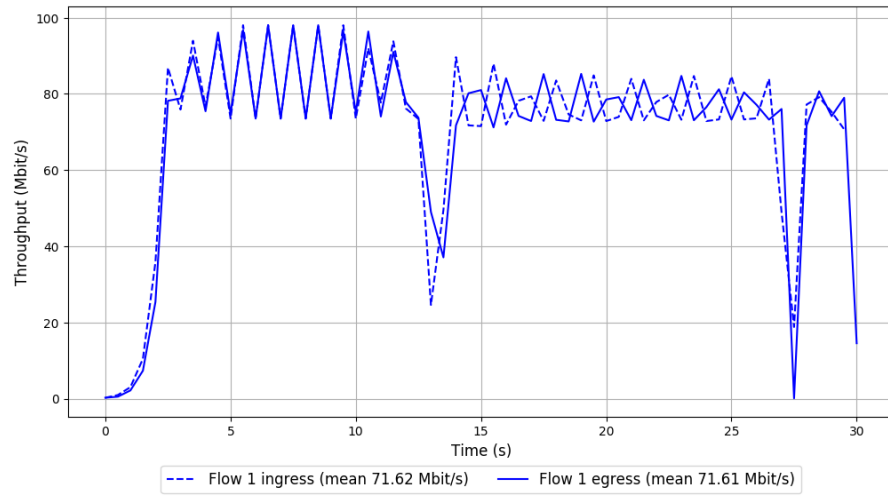
-- Flow 1:

Average throughput: 71.61 Mbit/s

95th percentile per-packet one-way delay: 141.404 ms

Loss rate: 0.02%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-06 13:50:59

End at: 2018-03-06 13:51:29

Below is generated by plot.py at 2018-03-06 15:53:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.22 Mbit/s

95th percentile per-packet one-way delay: 140.844 ms

Loss rate: 0.02%

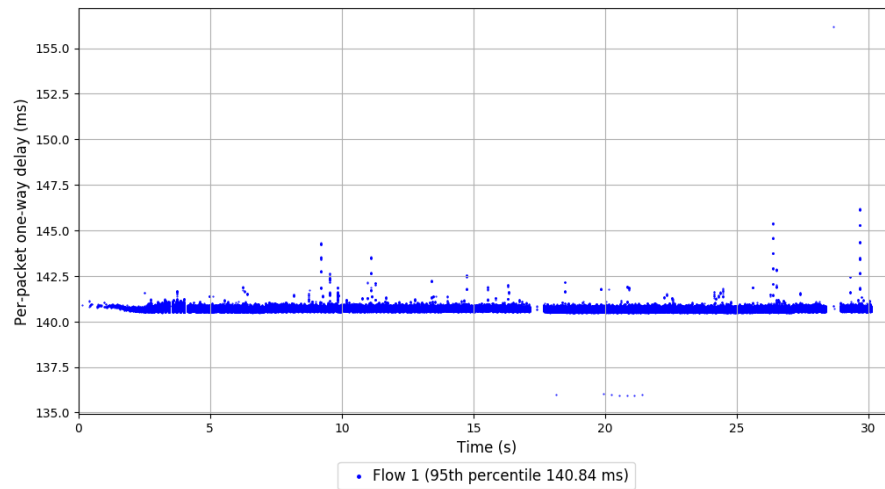
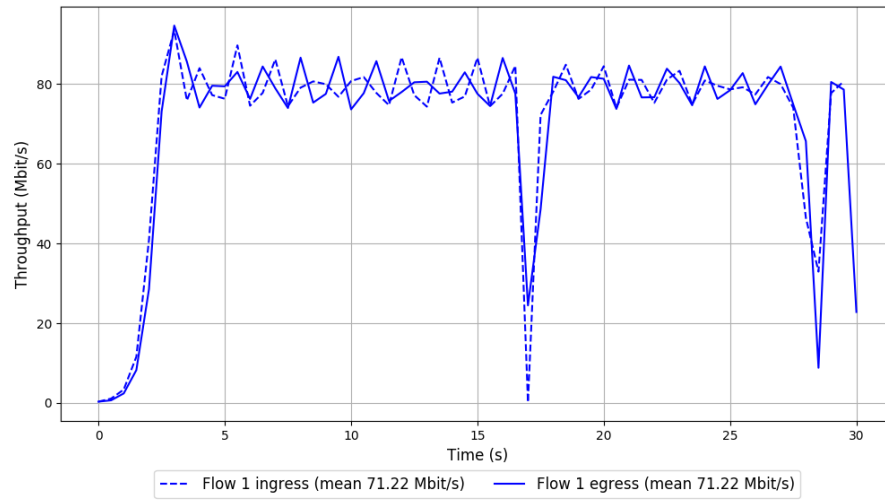
-- Flow 1:

Average throughput: 71.22 Mbit/s

95th percentile per-packet one-way delay: 140.844 ms

Loss rate: 0.02%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-03-06 14:06:58

End at: 2018-03-06 14:07:28

Below is generated by plot.py at 2018-03-06 15:54:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.99 Mbit/s

95th percentile per-packet one-way delay: 140.876 ms

Loss rate: 0.00%

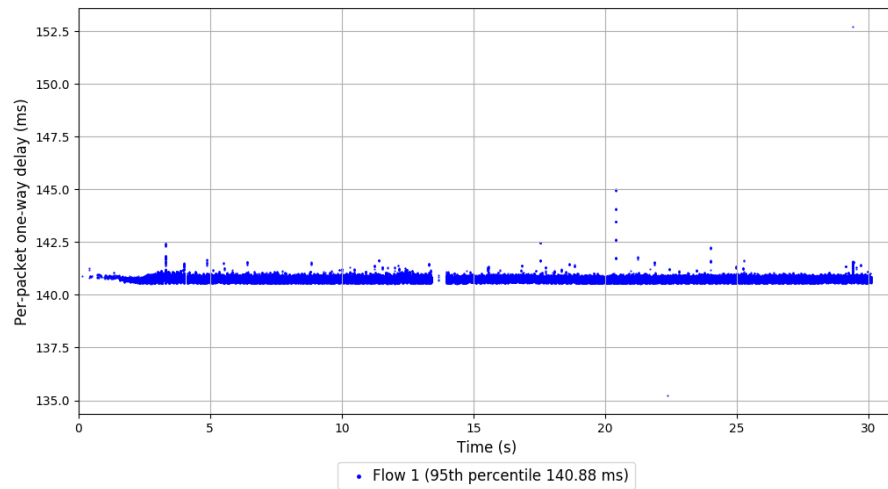
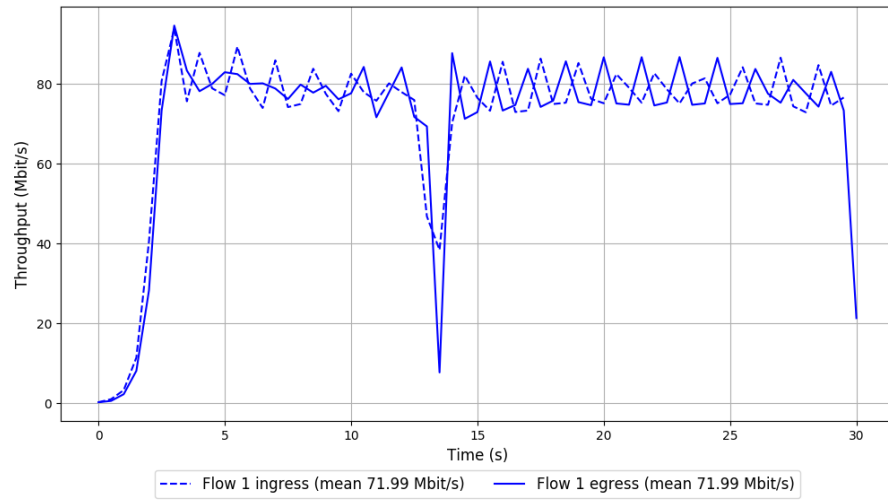
-- Flow 1:

Average throughput: 71.99 Mbit/s

95th percentile per-packet one-way delay: 140.876 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-03-06 14:22:51

End at: 2018-03-06 14:23:21

Below is generated by plot.py at 2018-03-06 15:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.12 Mbit/s

95th percentile per-packet one-way delay: 140.666 ms

Loss rate: 0.00%

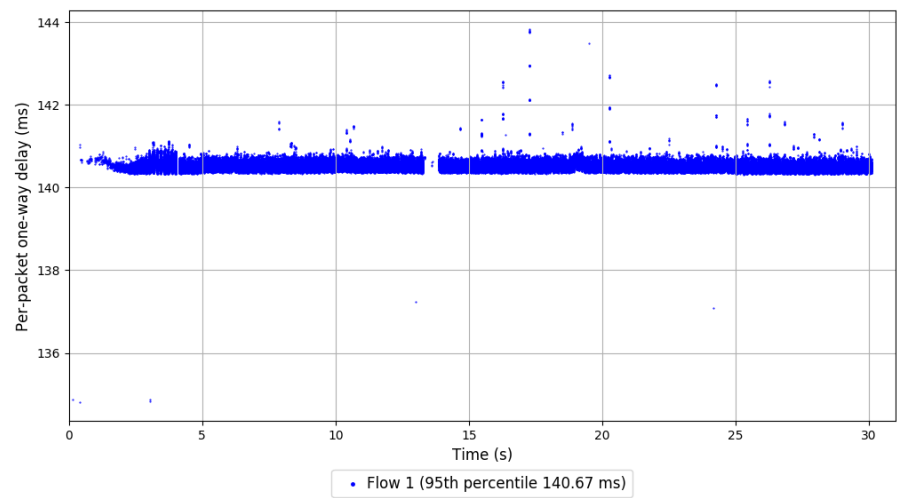
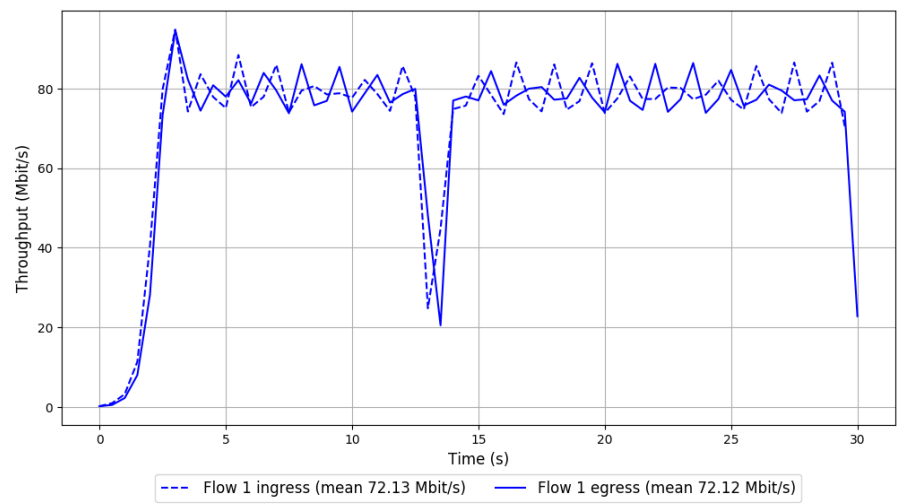
-- Flow 1:

Average throughput: 72.12 Mbit/s

95th percentile per-packet one-way delay: 140.666 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-06 12:02:17

End at: 2018-03-06 12:02:47

Below is generated by plot.py at 2018-03-06 15:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.48 Mbit/s

95th percentile per-packet one-way delay: 144.988 ms

Loss rate: 0.00%

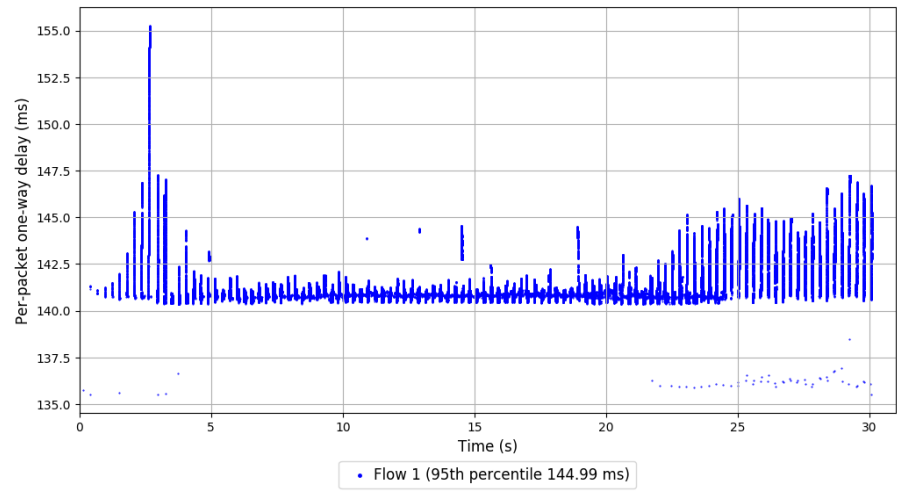
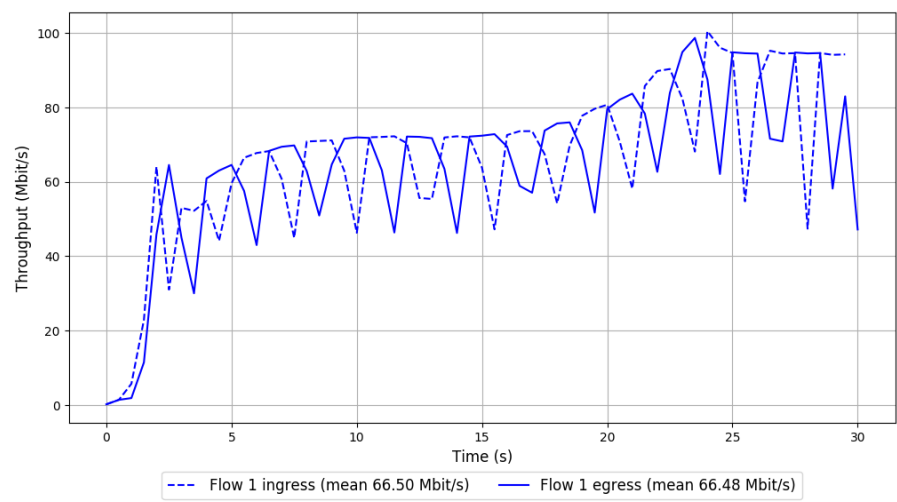
-- Flow 1:

Average throughput: 66.48 Mbit/s

95th percentile per-packet one-way delay: 144.988 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-03-06 12:18:03

End at: 2018-03-06 12:18:33

Below is generated by plot.py at 2018-03-06 15:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.08 Mbit/s

95th percentile per-packet one-way delay: 144.393 ms

Loss rate: 0.00%

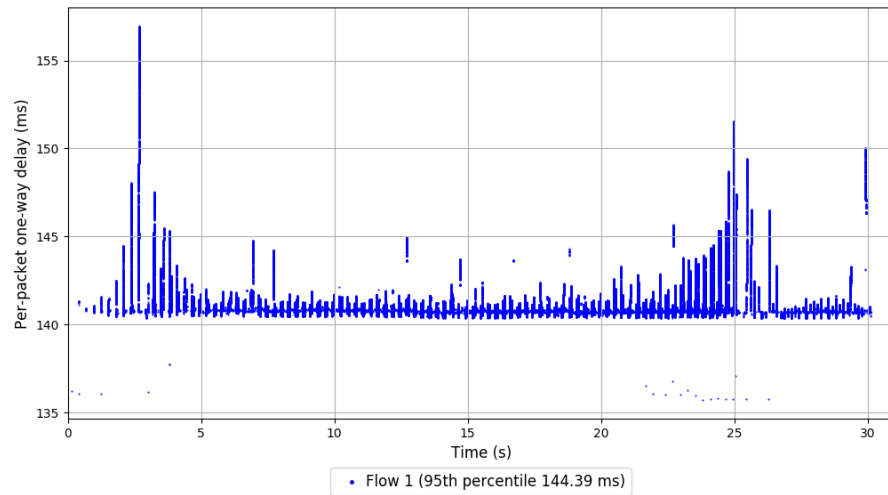
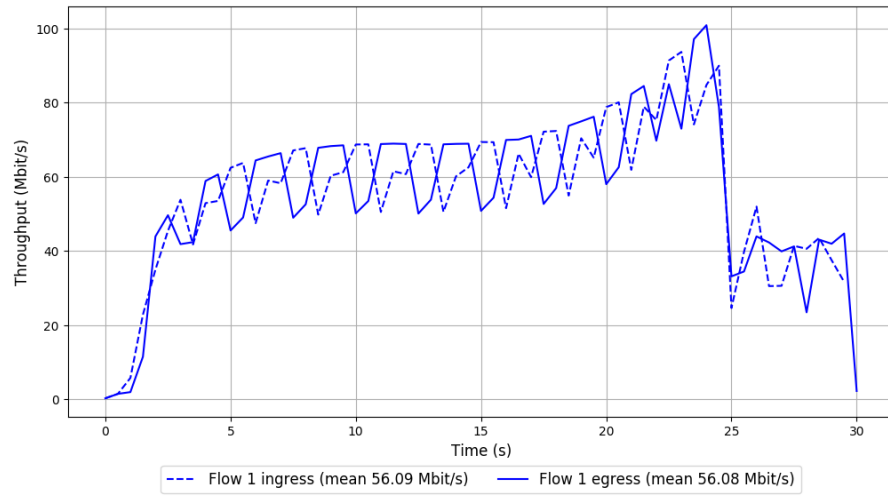
-- Flow 1:

Average throughput: 56.08 Mbit/s

95th percentile per-packet one-way delay: 144.393 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-06 12:33:57

End at: 2018-03-06 12:34:27

Below is generated by plot.py at 2018-03-06 15:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.54 Mbit/s

95th percentile per-packet one-way delay: 144.872 ms

Loss rate: 0.00%

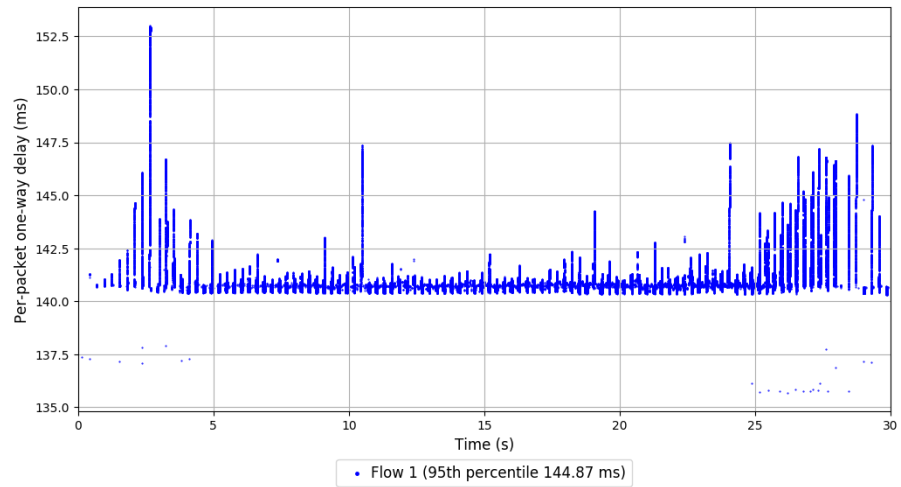
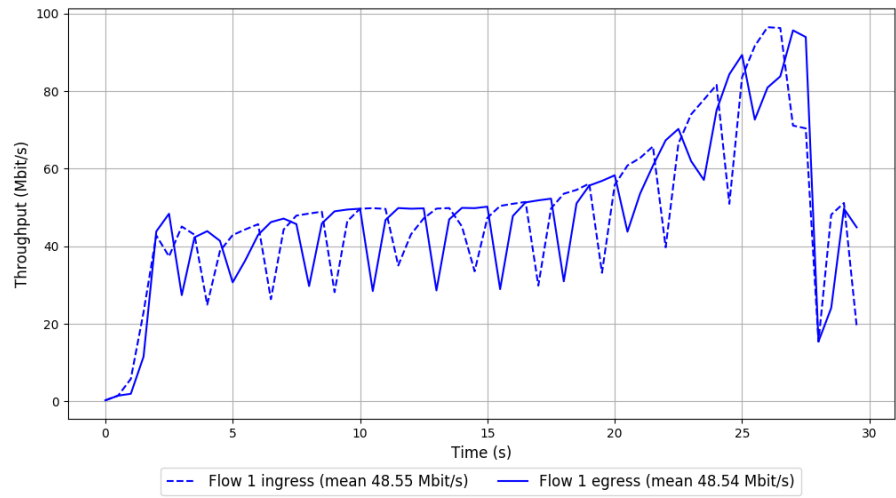
-- Flow 1:

Average throughput: 48.54 Mbit/s

95th percentile per-packet one-way delay: 144.872 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-03-06 12:49:58

End at: 2018-03-06 12:50:28

Below is generated by plot.py at 2018-03-06 15:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.40 Mbit/s

95th percentile per-packet one-way delay: 145.044 ms

Loss rate: 0.00%

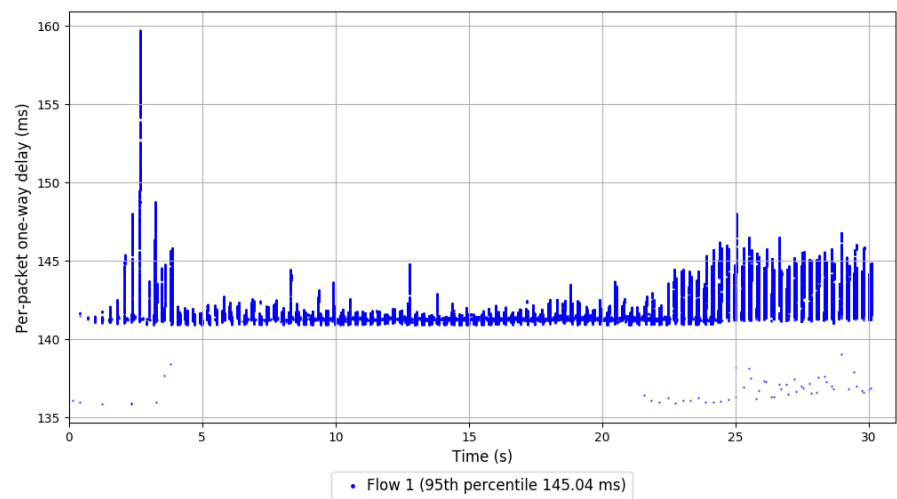
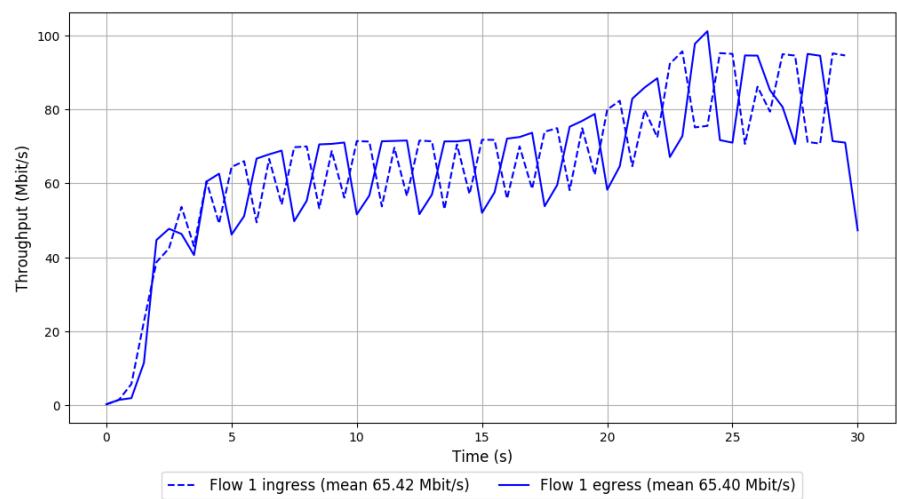
-- Flow 1:

Average throughput: 65.40 Mbit/s

95th percentile per-packet one-way delay: 145.044 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-06 13:06:08

End at: 2018-03-06 13:06:38

Below is generated by plot.py at 2018-03-06 15:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.86 Mbit/s

95th percentile per-packet one-way delay: 145.800 ms

Loss rate: 0.00%

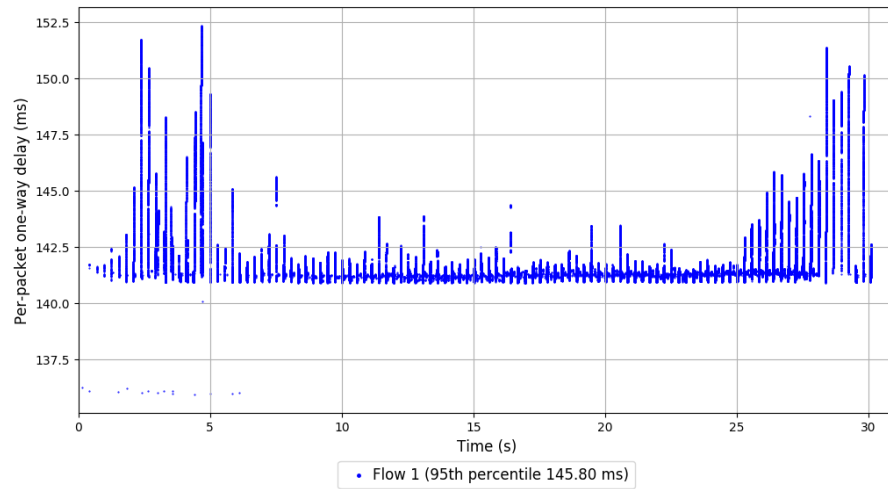
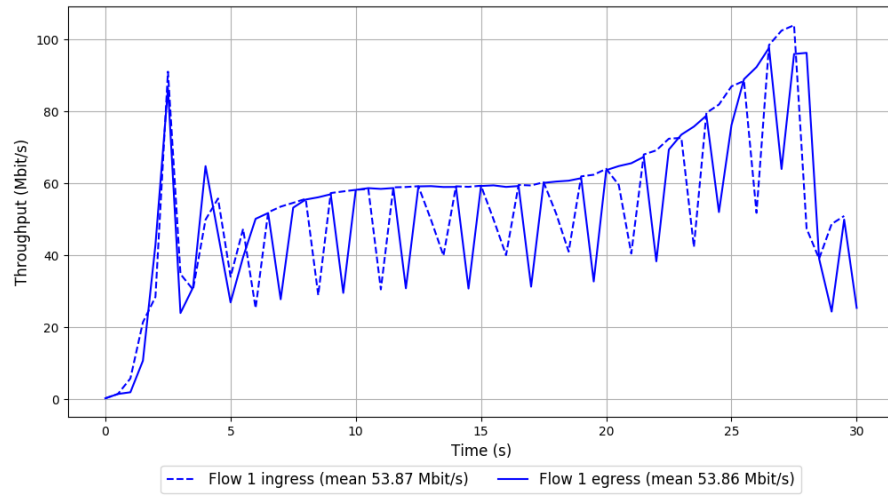
-- Flow 1:

Average throughput: 53.86 Mbit/s

95th percentile per-packet one-way delay: 145.800 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-03-06 13:22:17

End at: 2018-03-06 13:22:47

Below is generated by plot.py at 2018-03-06 15:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.54 Mbit/s

95th percentile per-packet one-way delay: 143.036 ms

Loss rate: 0.00%

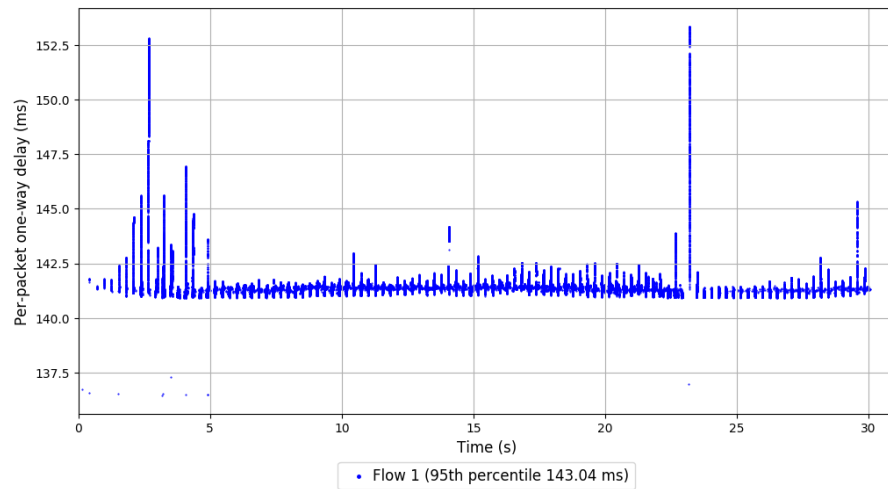
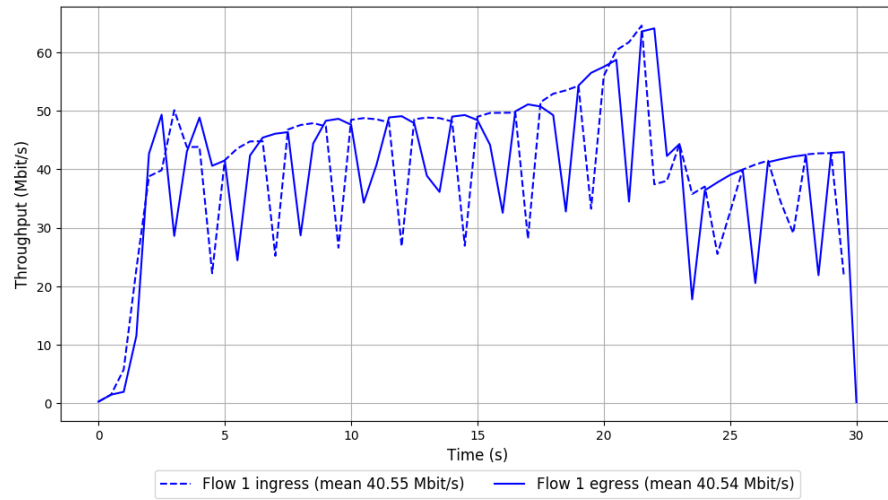
-- Flow 1:

Average throughput: 40.54 Mbit/s

95th percentile per-packet one-way delay: 143.036 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-03-06 13:38:20

End at: 2018-03-06 13:38:50

Below is generated by plot.py at 2018-03-06 15:55:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.89 Mbit/s

95th percentile per-packet one-way delay: 145.072 ms

Loss rate: 0.00%

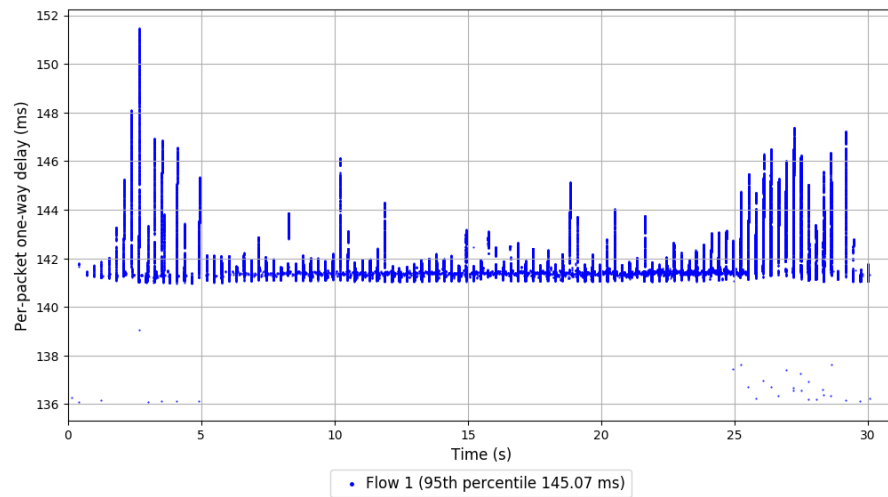
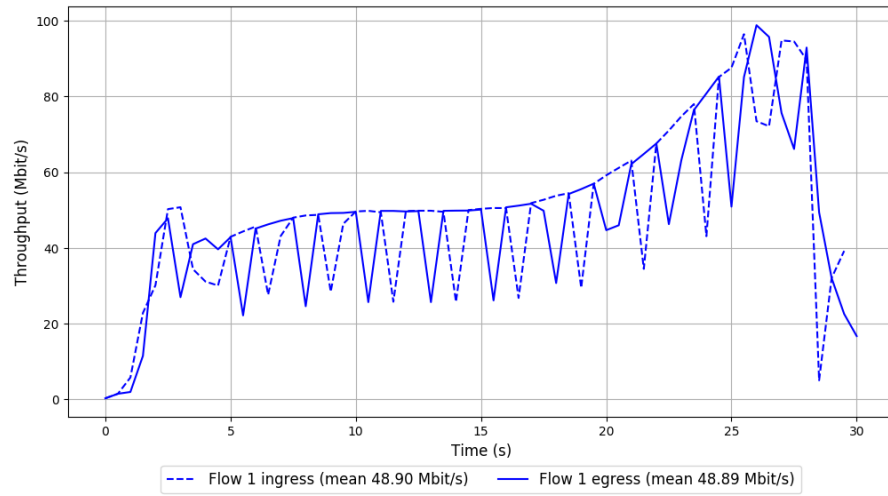
-- Flow 1:

Average throughput: 48.89 Mbit/s

95th percentile per-packet one-way delay: 145.072 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-03-06 13:54:14

End at: 2018-03-06 13:54:44

Below is generated by plot.py at 2018-03-06 15:55:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.03 Mbit/s

95th percentile per-packet one-way delay: 143.010 ms

Loss rate: 0.00%

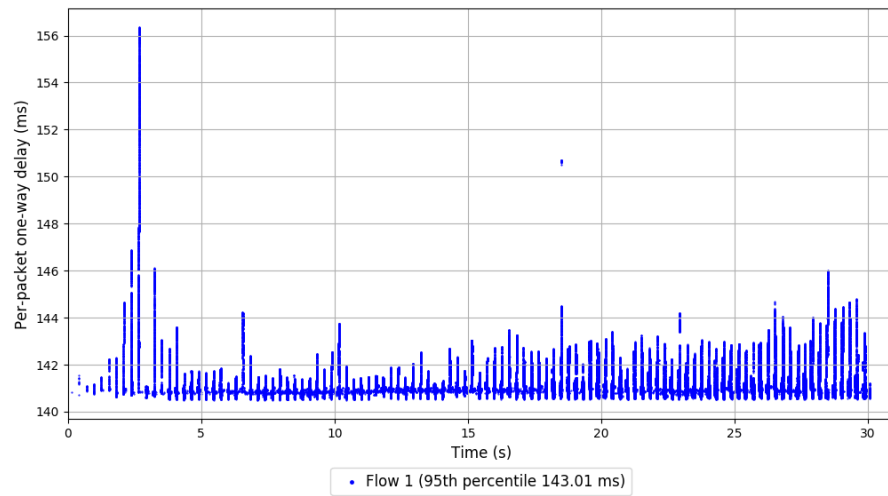
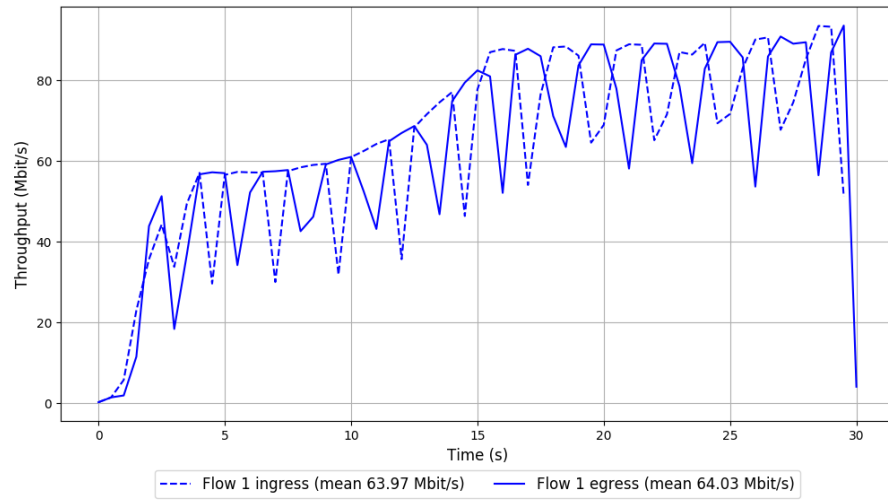
-- Flow 1:

Average throughput: 64.03 Mbit/s

95th percentile per-packet one-way delay: 143.010 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-03-06 14:10:13

End at: 2018-03-06 14:10:43

Below is generated by plot.py at 2018-03-06 15:55:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.27 Mbit/s

95th percentile per-packet one-way delay: 144.233 ms

Loss rate: 0.00%

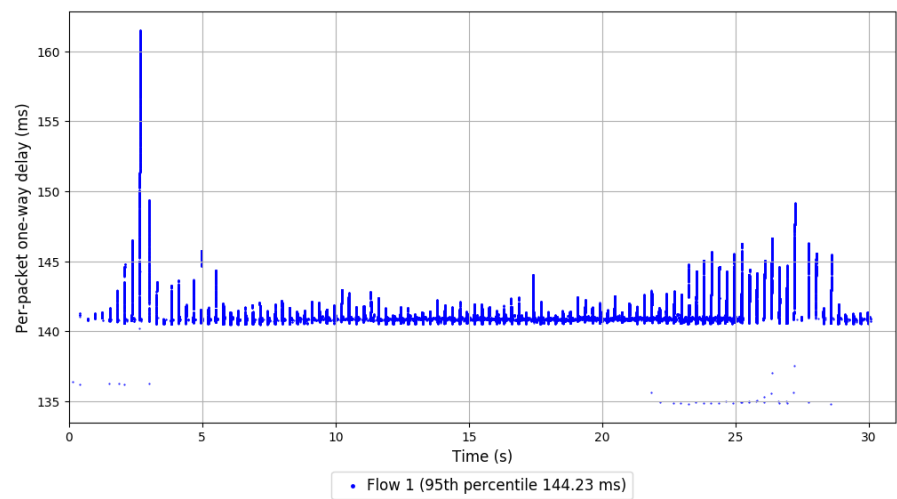
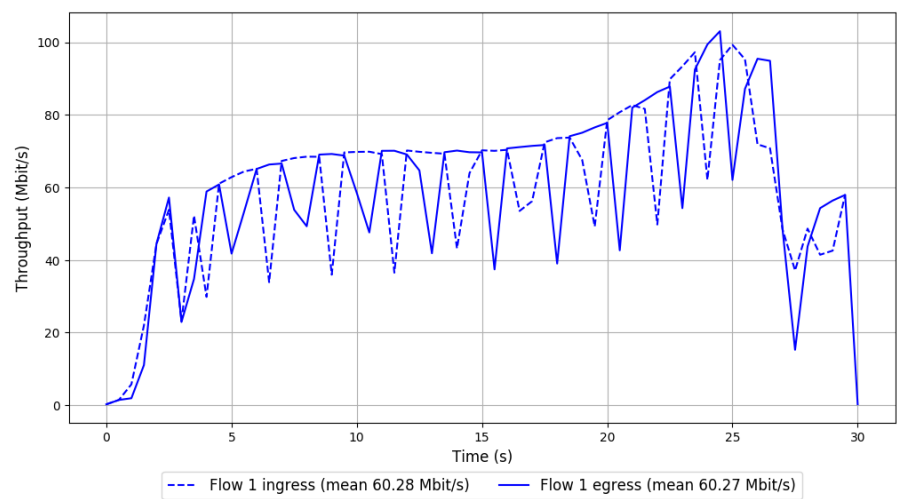
-- Flow 1:

Average throughput: 60.27 Mbit/s

95th percentile per-packet one-way delay: 144.233 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-03-06 14:26:09

End at: 2018-03-06 14:26:39

Below is generated by plot.py at 2018-03-06 15:55:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 148.442 ms

Loss rate: 0.00%

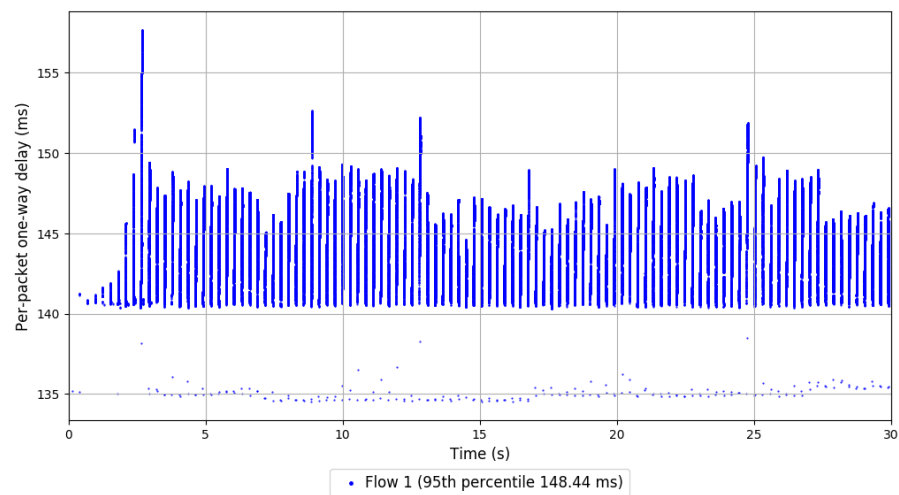
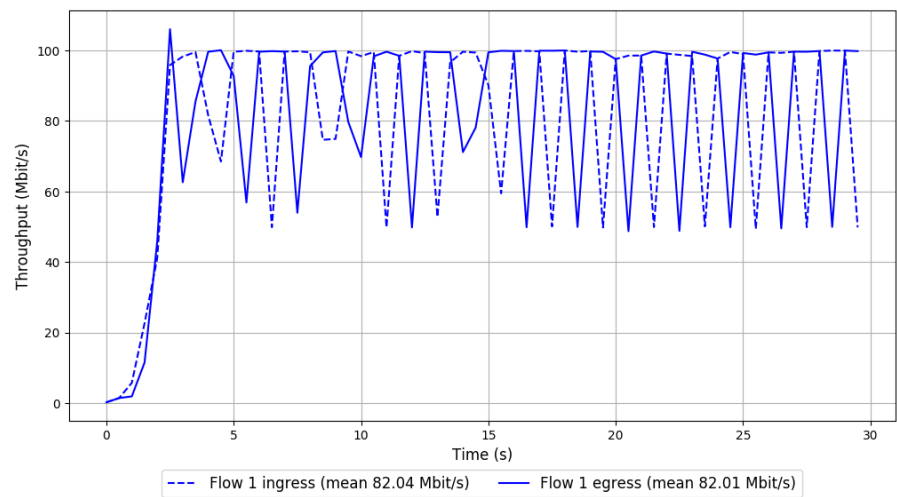
-- Flow 1:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 148.442 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

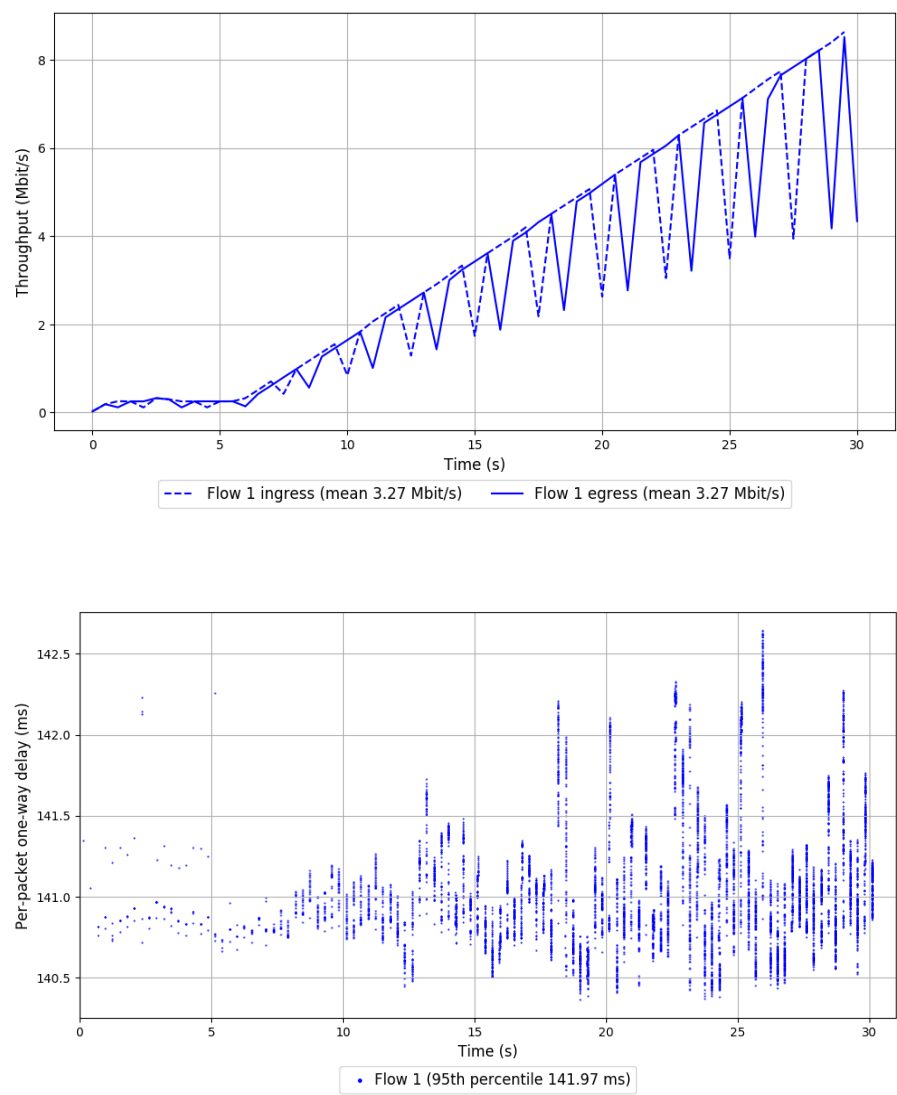


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-06 12:00:41
End at: 2018-03-06 12:01:11

# Below is generated by plot.py at 2018-03-06 15:55:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 141.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 141.967 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

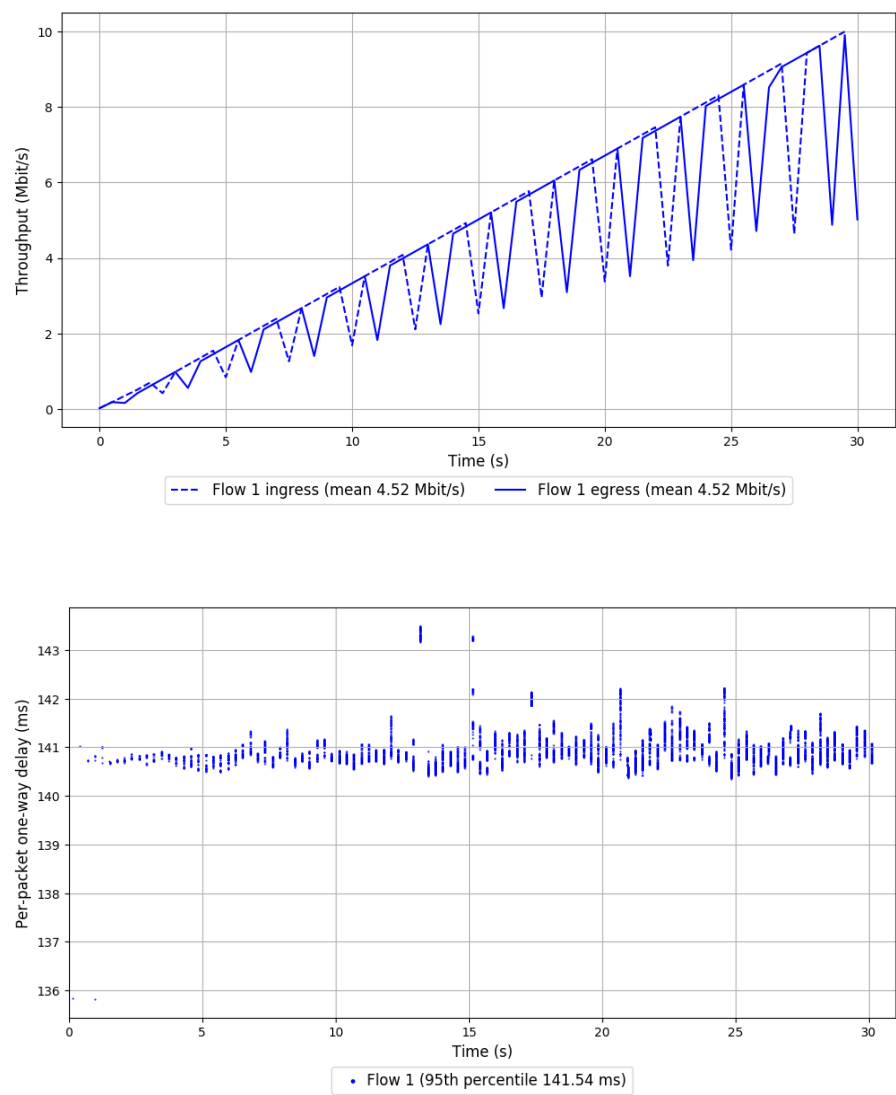


```
Run 2: Statistics of LEDBAT

Start at: 2018-03-06 12:16:26
End at: 2018-03-06 12:16:56

# Below is generated by plot.py at 2018-03-06 15:55:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 141.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 141.543 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-03-06 12:32:21

End at: 2018-03-06 12:32:51

Below is generated by plot.py at 2018-03-06 15:55:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 141.350 ms

Loss rate: 0.00%

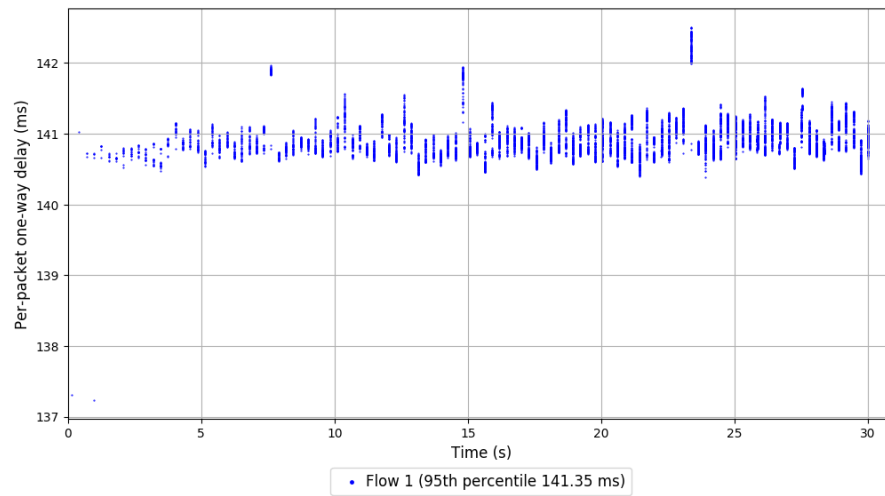
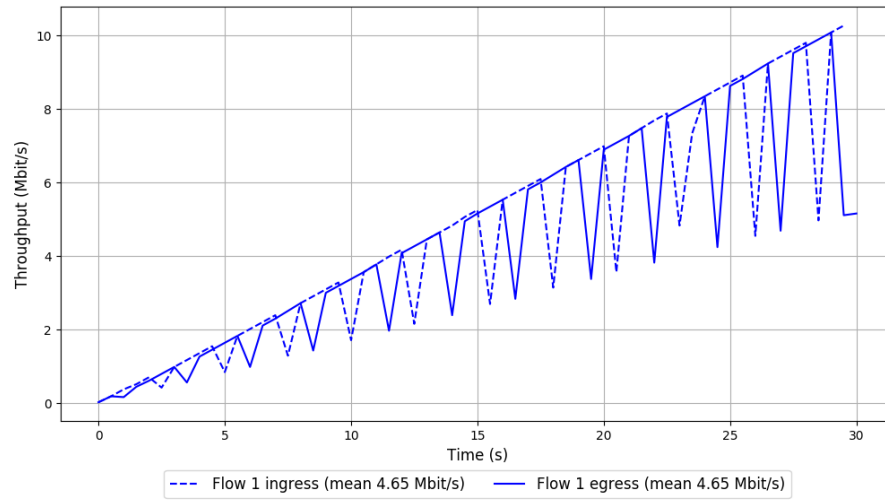
-- Flow 1:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 141.350 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-03-06 12:48:21

End at: 2018-03-06 12:48:52

Below is generated by plot.py at 2018-03-06 15:55:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.47 Mbit/s

95th percentile per-packet one-way delay: 141.911 ms

Loss rate: 0.00%

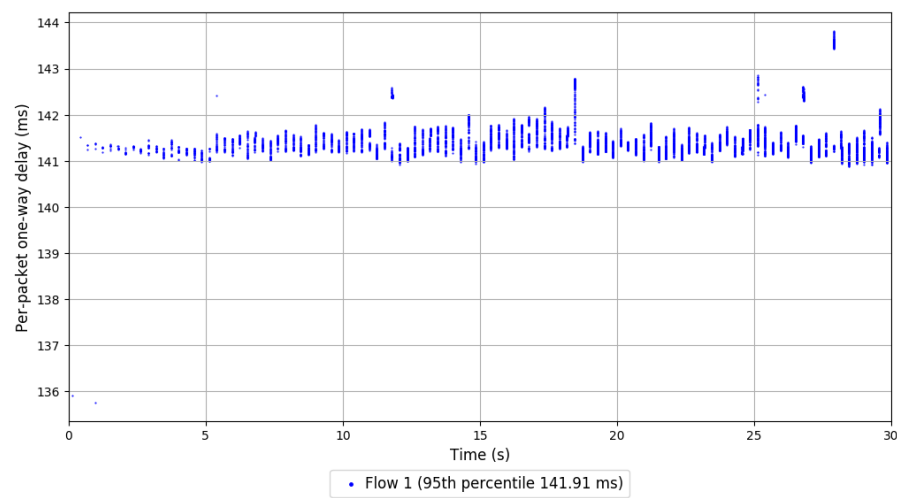
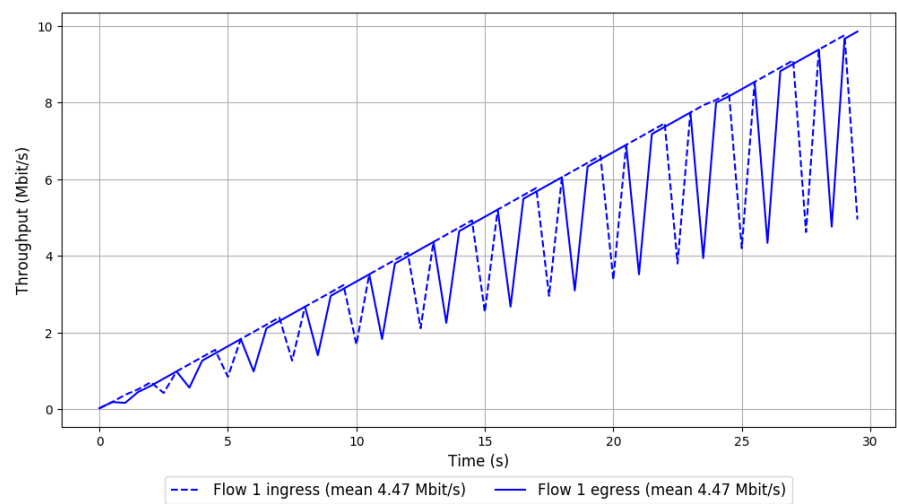
-- Flow 1:

Average throughput: 4.47 Mbit/s

95th percentile per-packet one-way delay: 141.911 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-03-06 13:04:31

End at: 2018-03-06 13:05:01

Below is generated by plot.py at 2018-03-06 15:55:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 142.116 ms

Loss rate: 0.00%

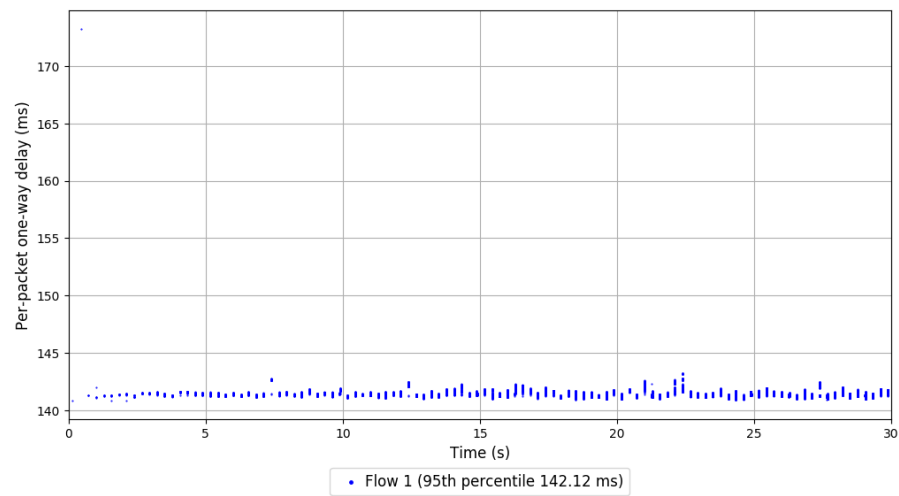
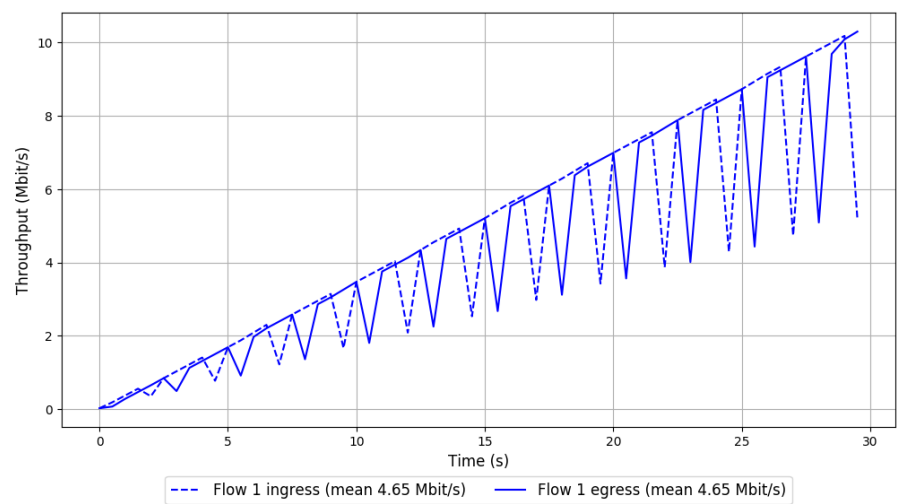
-- Flow 1:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 142.116 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-03-06 13:20:41

End at: 2018-03-06 13:21:11

Below is generated by plot.py at 2018-03-06 15:55:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 142.177 ms

Loss rate: 0.00%

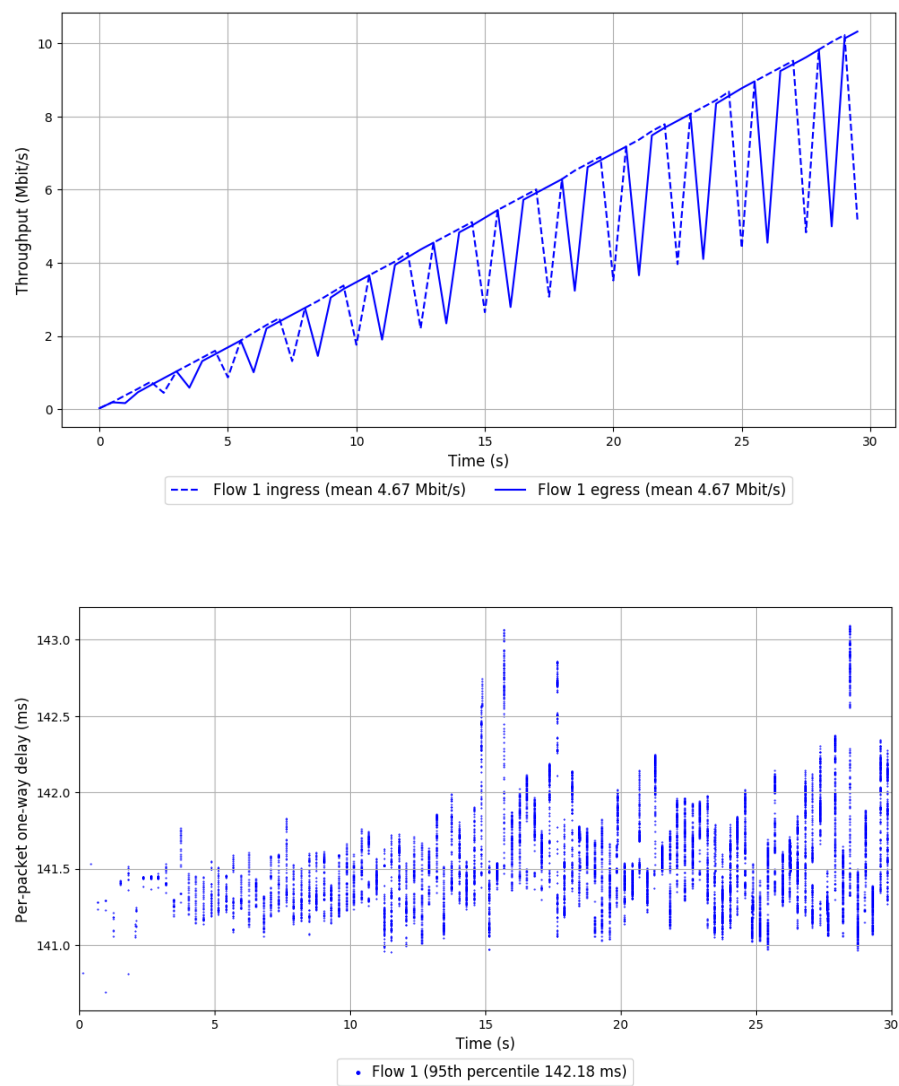
-- Flow 1:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 142.177 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-03-06 13:36:43

End at: 2018-03-06 13:37:13

Below is generated by plot.py at 2018-03-06 15:55:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 141.854 ms

Loss rate: 0.00%

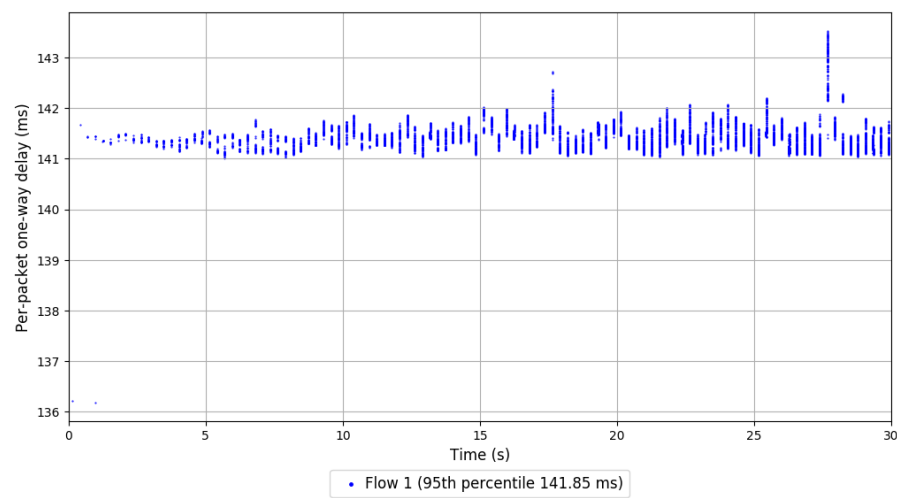
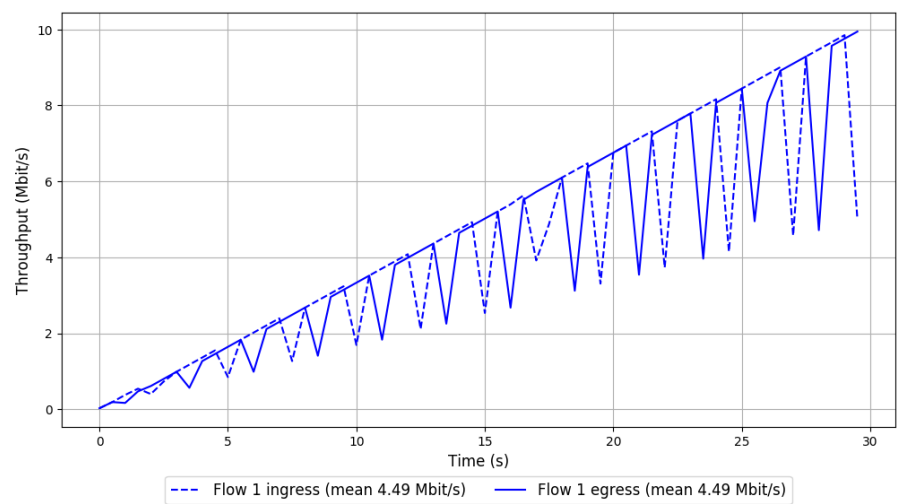
-- Flow 1:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 141.854 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-03-06 13:52:38

End at: 2018-03-06 13:53:08

Below is generated by plot.py at 2018-03-06 15:55:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 141.393 ms

Loss rate: 0.00%

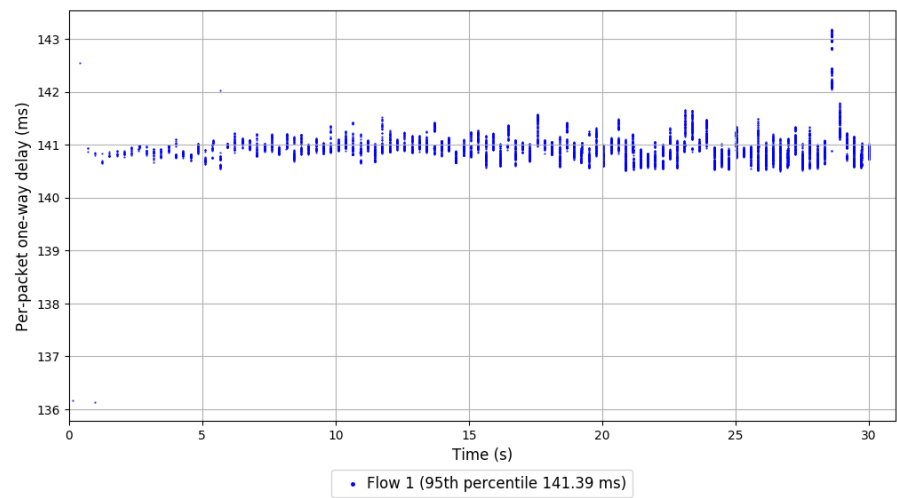
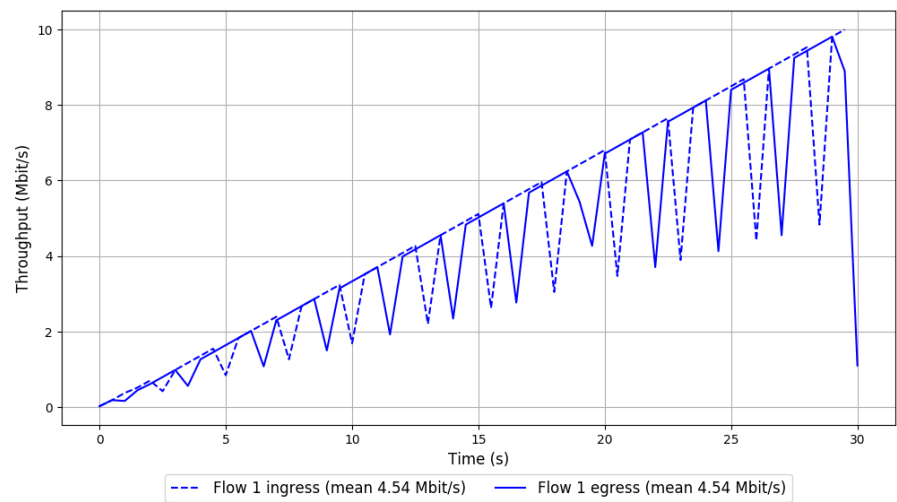
-- Flow 1:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 141.393 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-03-06 14:08:37

End at: 2018-03-06 14:09:07

Below is generated by plot.py at 2018-03-06 15:55:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 141.154 ms

Loss rate: 0.00%

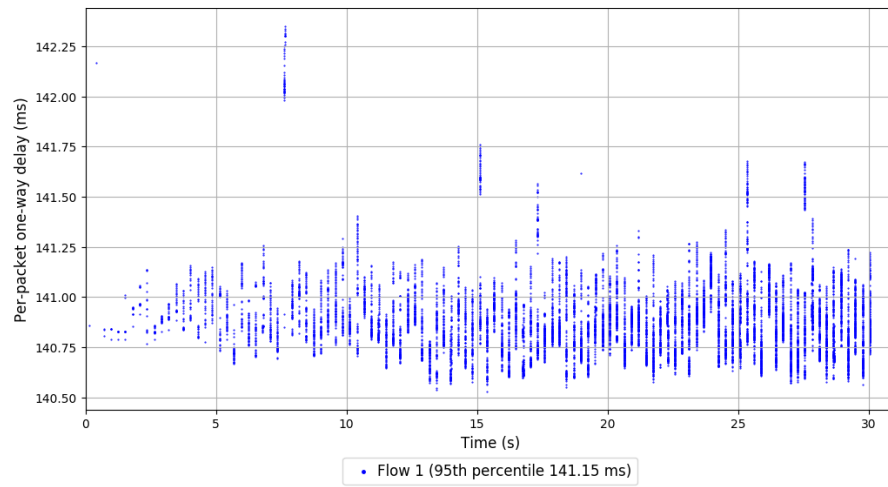
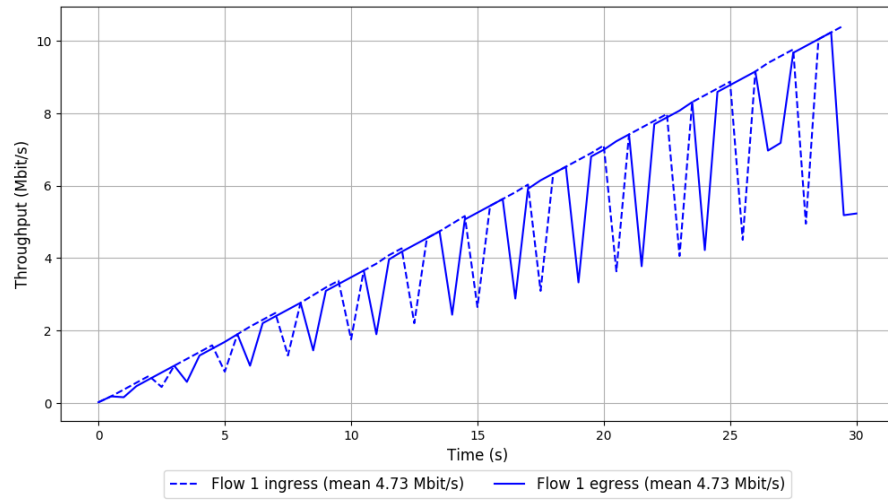
-- Flow 1:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 141.154 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-03-06 14:24:33

End at: 2018-03-06 14:25:03

Below is generated by plot.py at 2018-03-06 15:55:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 141.563 ms

Loss rate: 0.48%

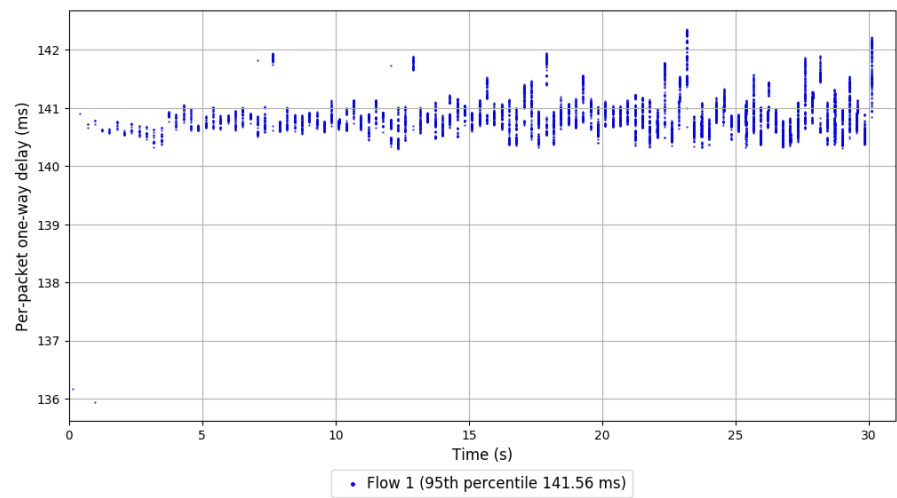
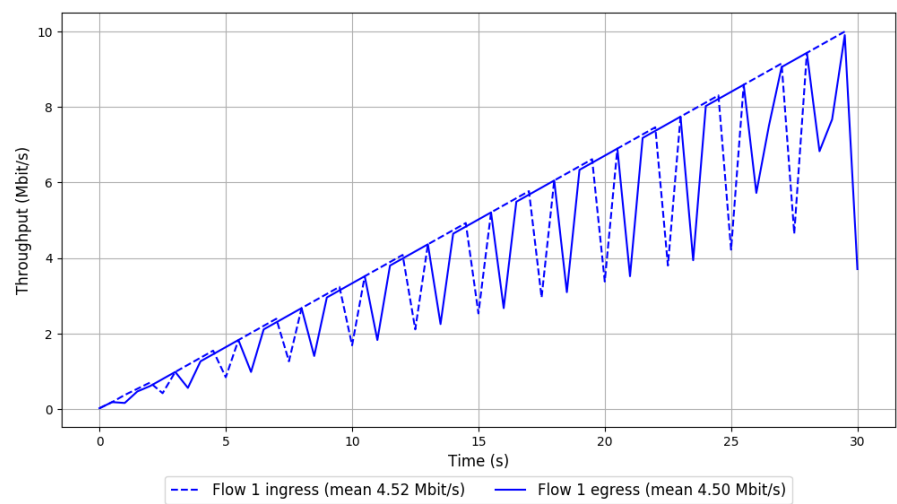
-- Flow 1:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 141.563 ms

Loss rate: 0.48%

Run 10: Report of LEDBAT — Data Link

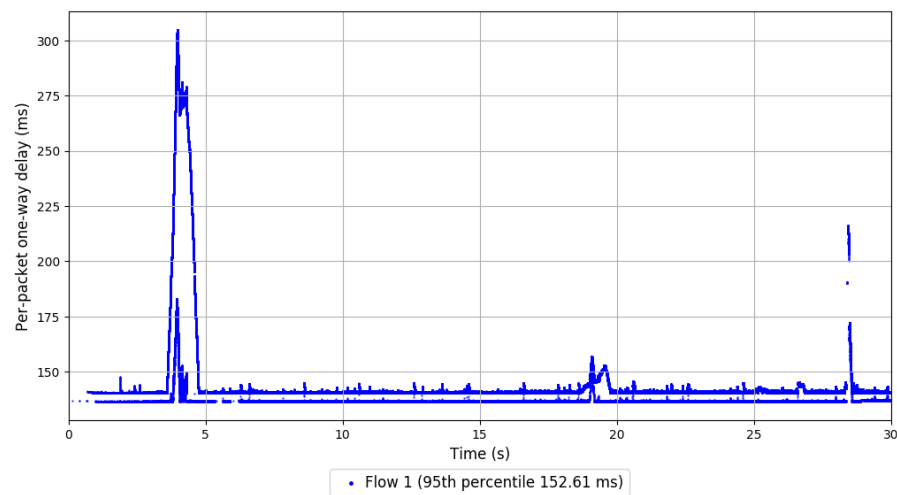
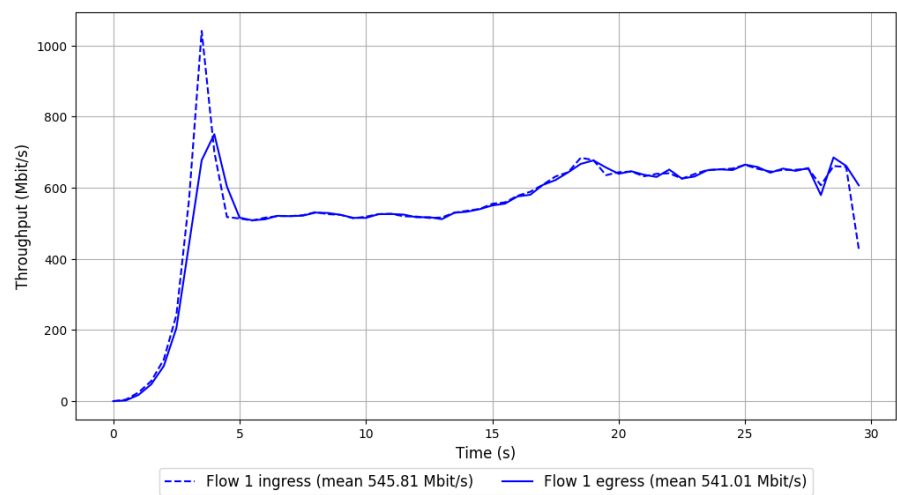


```
Run 1: Statistics of PCC

Start at: 2018-03-06 12:10:57
End at: 2018-03-06 12:11:27

# Below is generated by plot.py at 2018-03-06 16:03:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 541.01 Mbit/s
95th percentile per-packet one-way delay: 152.612 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 541.01 Mbit/s
95th percentile per-packet one-way delay: 152.612 ms
Loss rate: 0.88%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-03-06 12:26:49

End at: 2018-03-06 12:27:19

Below is generated by plot.py at 2018-03-06 16:03:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 551.96 Mbit/s

95th percentile per-packet one-way delay: 252.410 ms

Loss rate: 1.21%

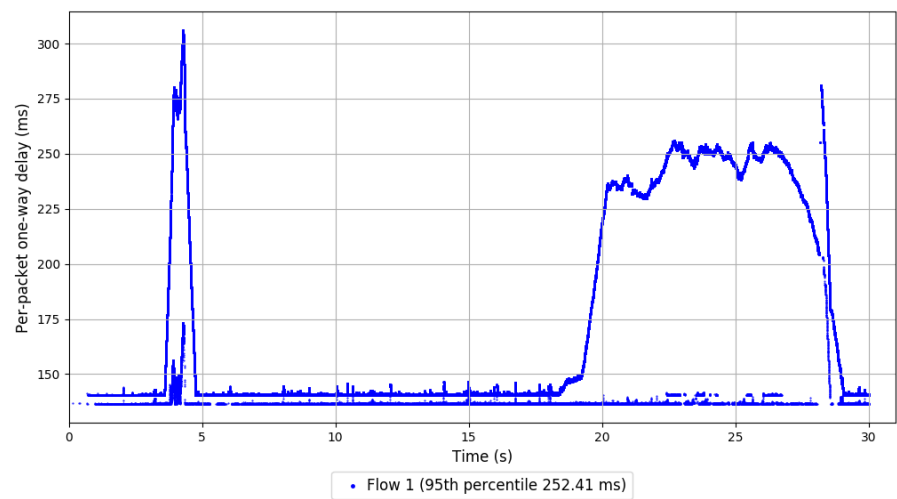
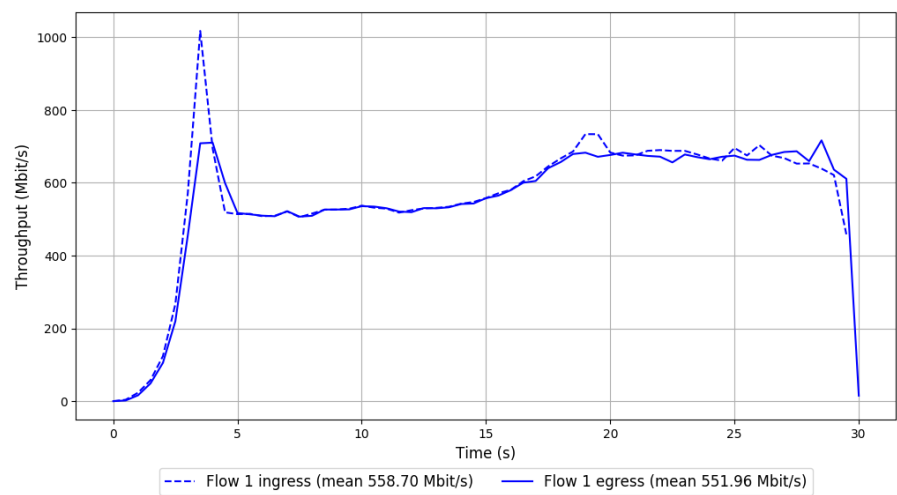
-- Flow 1:

Average throughput: 551.96 Mbit/s

95th percentile per-packet one-way delay: 252.410 ms

Loss rate: 1.21%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-03-06 12:42:49

End at: 2018-03-06 12:43:19

Below is generated by plot.py at 2018-03-06 16:03:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.94 Mbit/s

95th percentile per-packet one-way delay: 169.407 ms

Loss rate: 0.91%

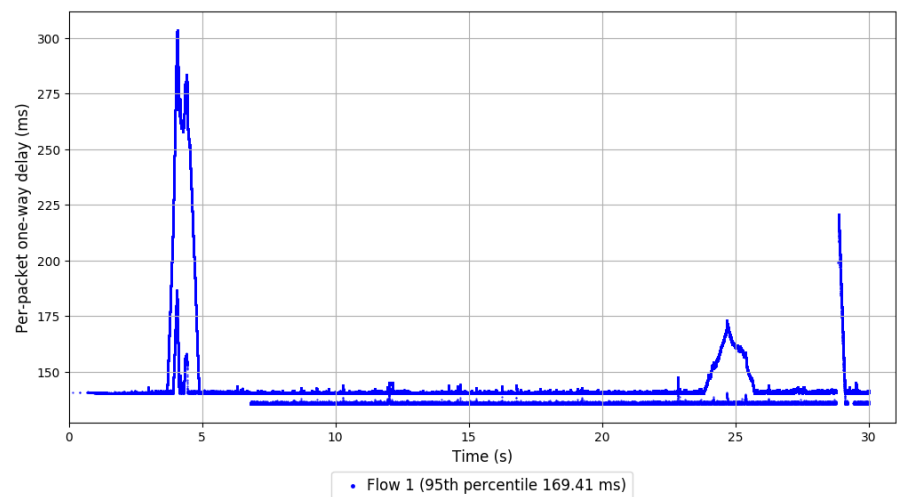
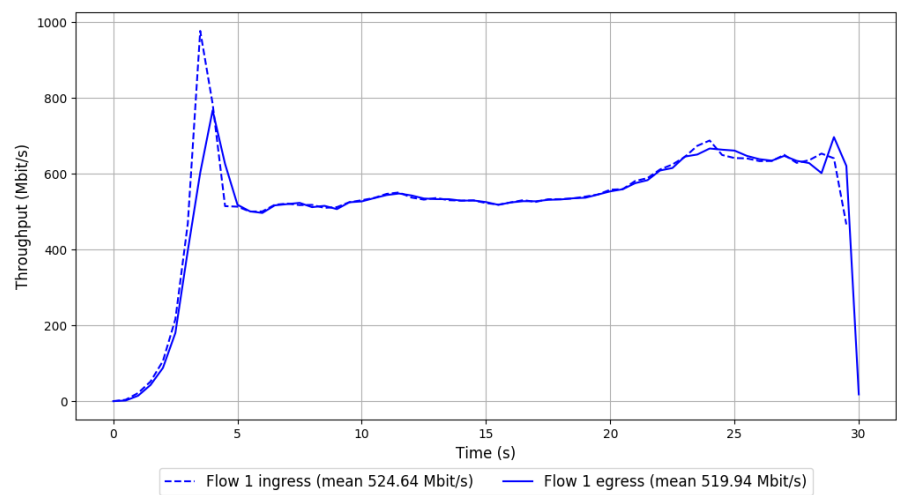
-- Flow 1:

Average throughput: 519.94 Mbit/s

95th percentile per-packet one-way delay: 169.407 ms

Loss rate: 0.91%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-03-06 12:58:52

End at: 2018-03-06 12:59:22

Below is generated by plot.py at 2018-03-06 16:03:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 550.55 Mbit/s

95th percentile per-packet one-way delay: 187.949 ms

Loss rate: 0.94%

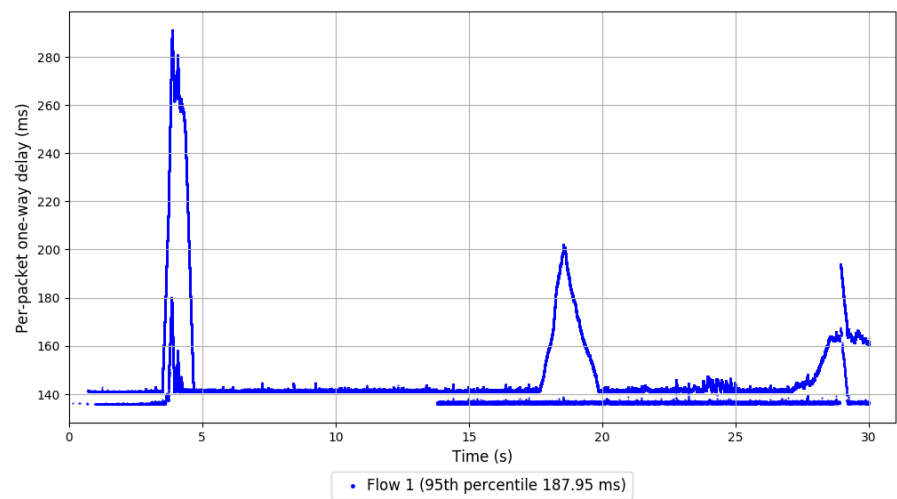
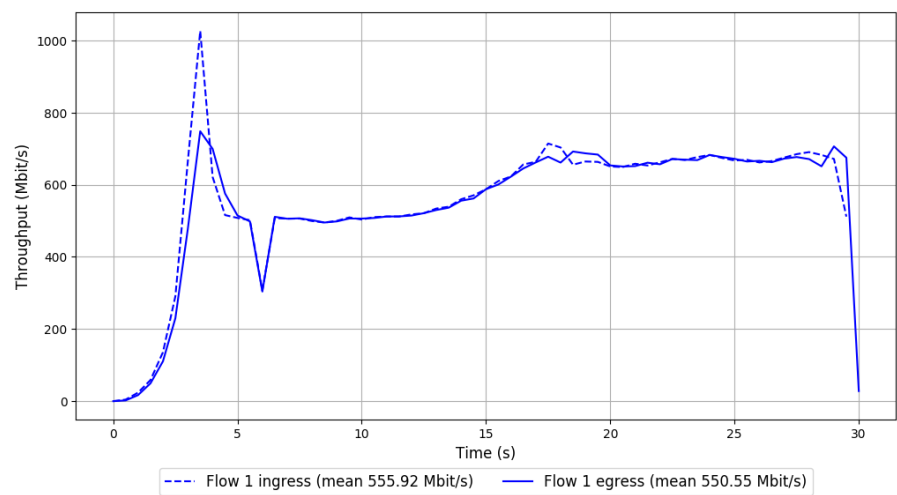
-- Flow 1:

Average throughput: 550.55 Mbit/s

95th percentile per-packet one-way delay: 187.949 ms

Loss rate: 0.94%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-03-06 13:15:06

End at: 2018-03-06 13:15:36

Below is generated by plot.py at 2018-03-06 16:03:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.72 Mbit/s

95th percentile per-packet one-way delay: 161.075 ms

Loss rate: 0.98%

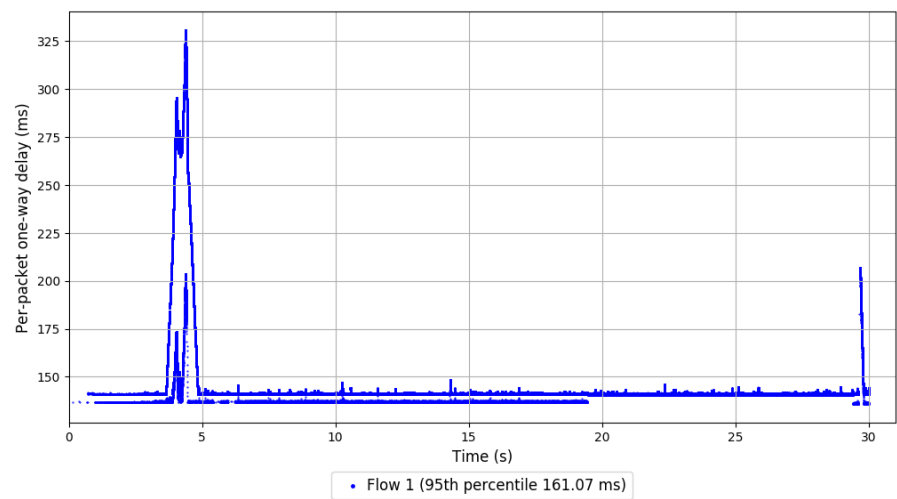
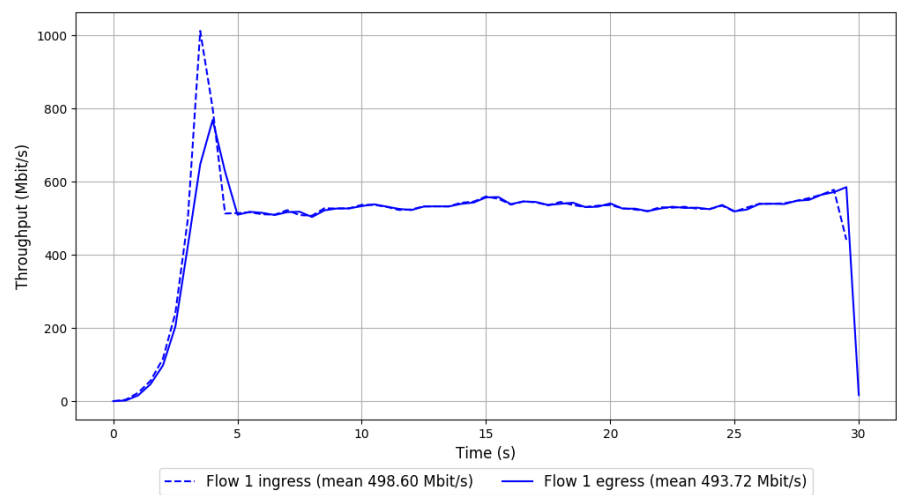
-- Flow 1:

Average throughput: 493.72 Mbit/s

95th percentile per-packet one-way delay: 161.075 ms

Loss rate: 0.98%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-03-06 13:31:09

End at: 2018-03-06 13:31:39

Below is generated by plot.py at 2018-03-06 16:04:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 562.29 Mbit/s

95th percentile per-packet one-way delay: 205.886 ms

Loss rate: 0.77%

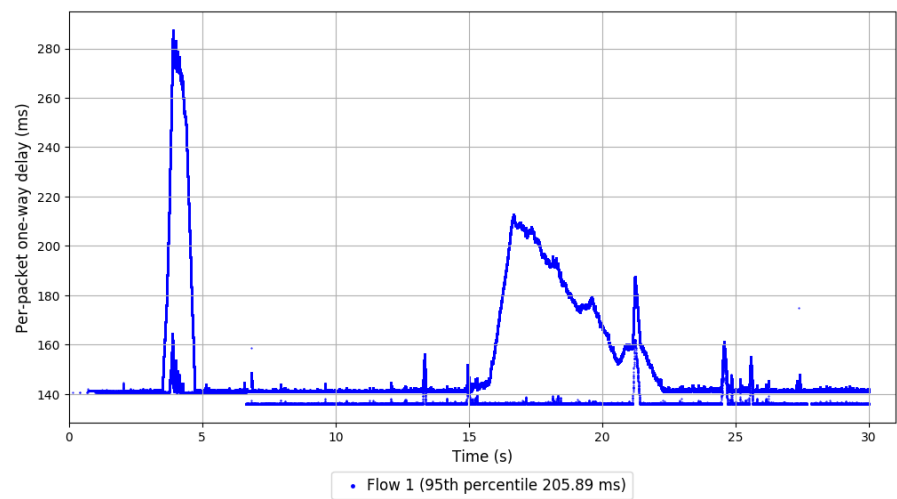
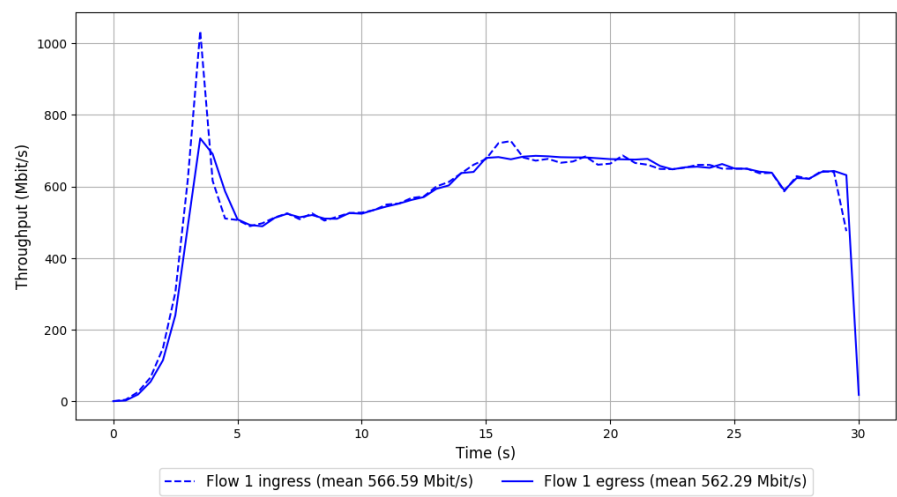
-- Flow 1:

Average throughput: 562.29 Mbit/s

95th percentile per-packet one-way delay: 205.886 ms

Loss rate: 0.77%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-03-06 13:47:12

End at: 2018-03-06 13:47:42

Below is generated by plot.py at 2018-03-06 16:04:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.45 Mbit/s

95th percentile per-packet one-way delay: 153.424 ms

Loss rate: 0.99%

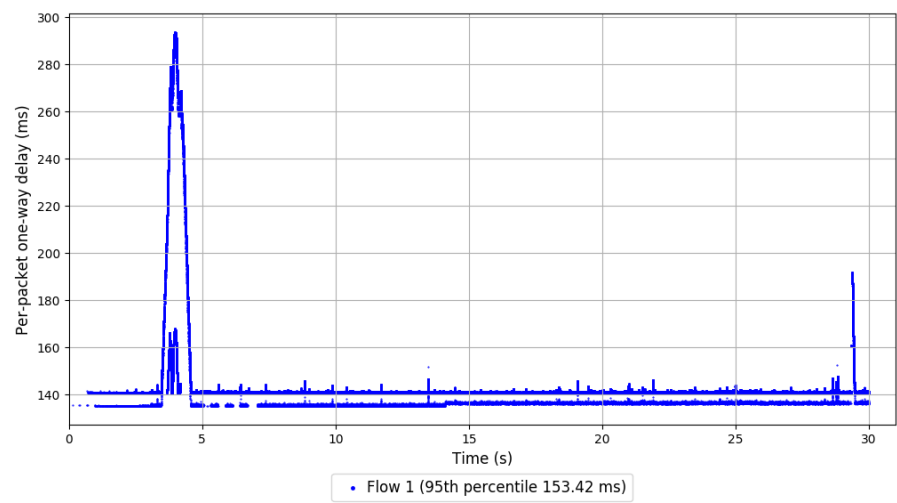
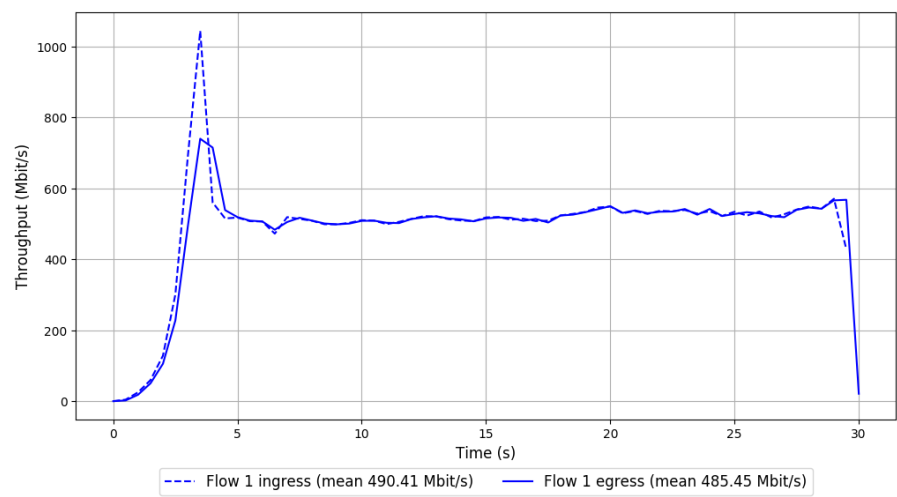
-- Flow 1:

Average throughput: 485.45 Mbit/s

95th percentile per-packet one-way delay: 153.424 ms

Loss rate: 0.99%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-03-06 14:03:11

End at: 2018-03-06 14:03:42

Below is generated by plot.py at 2018-03-06 16:04:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 531.35 Mbit/s

95th percentile per-packet one-way delay: 186.200 ms

Loss rate: 0.94%

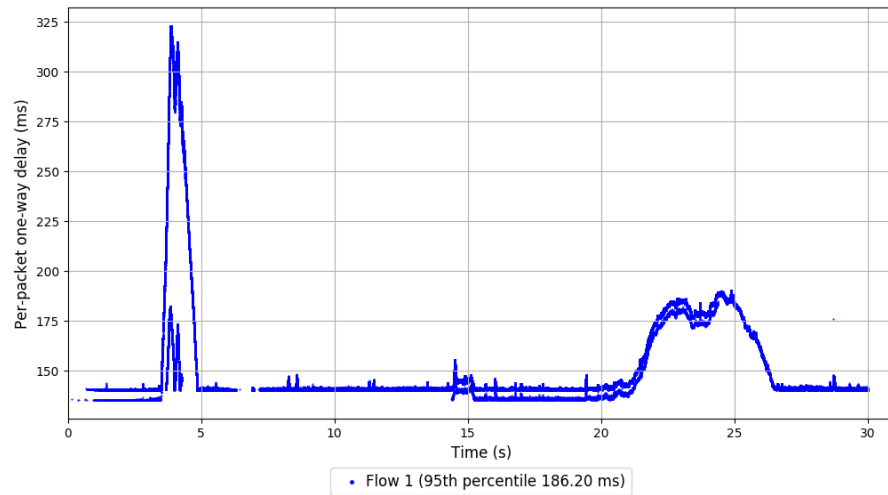
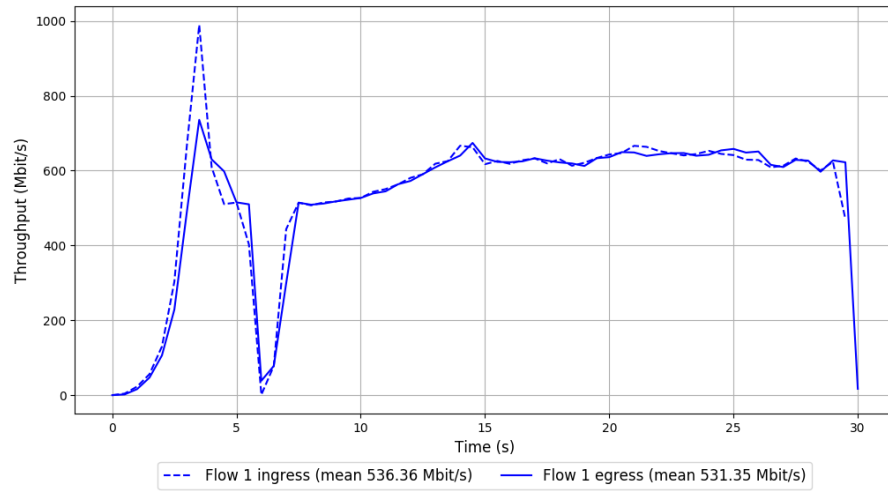
-- Flow 1:

Average throughput: 531.35 Mbit/s

95th percentile per-packet one-way delay: 186.200 ms

Loss rate: 0.94%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-06 14:19:02

End at: 2018-03-06 14:19:32

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 563.37 Mbit/s

95th percentile per-packet one-way delay: 189.221 ms

Loss rate: 0.87%

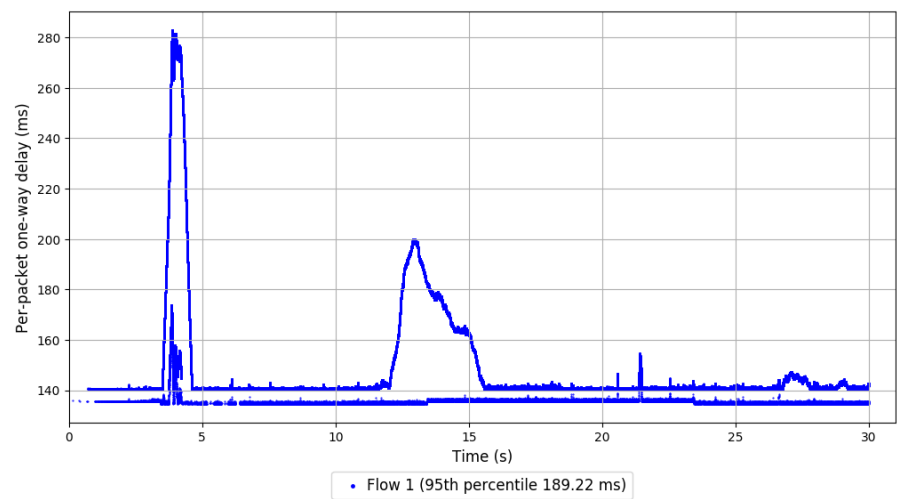
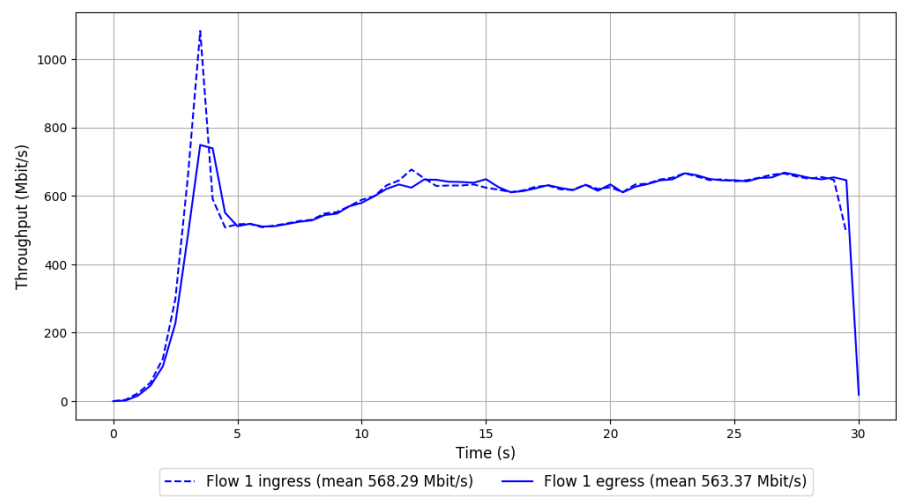
-- Flow 1:

Average throughput: 563.37 Mbit/s

95th percentile per-packet one-way delay: 189.221 ms

Loss rate: 0.87%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-03-06 14:35:09

End at: 2018-03-06 14:35:39

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 550.30 Mbit/s

95th percentile per-packet one-way delay: 148.483 ms

Loss rate: 1.08%

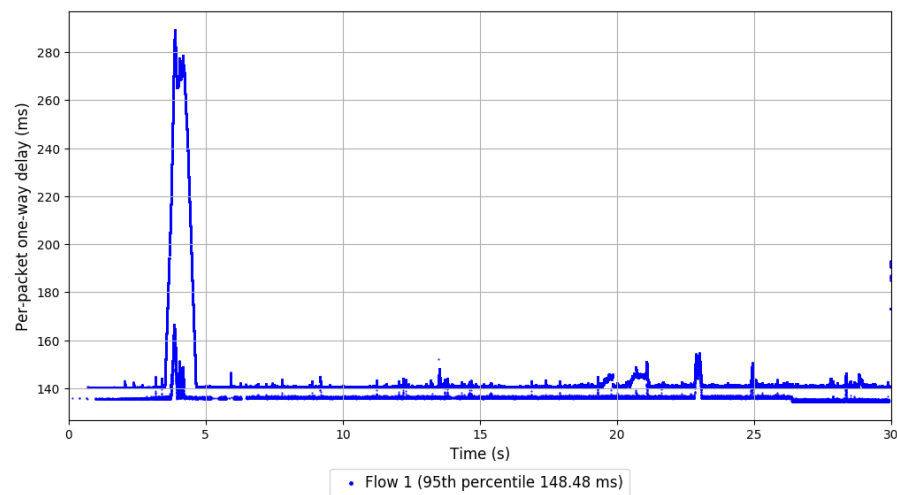
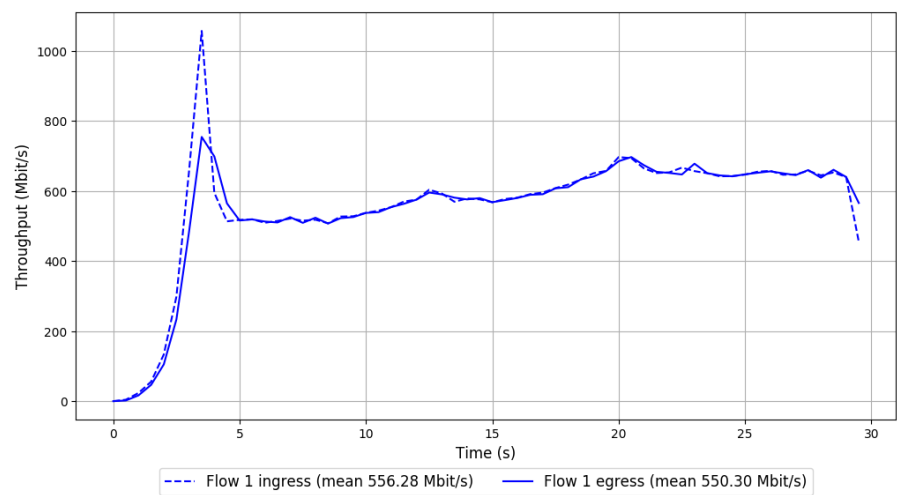
-- Flow 1:

Average throughput: 550.30 Mbit/s

95th percentile per-packet one-way delay: 148.483 ms

Loss rate: 1.08%

Run 10: Report of PCC — Data Link

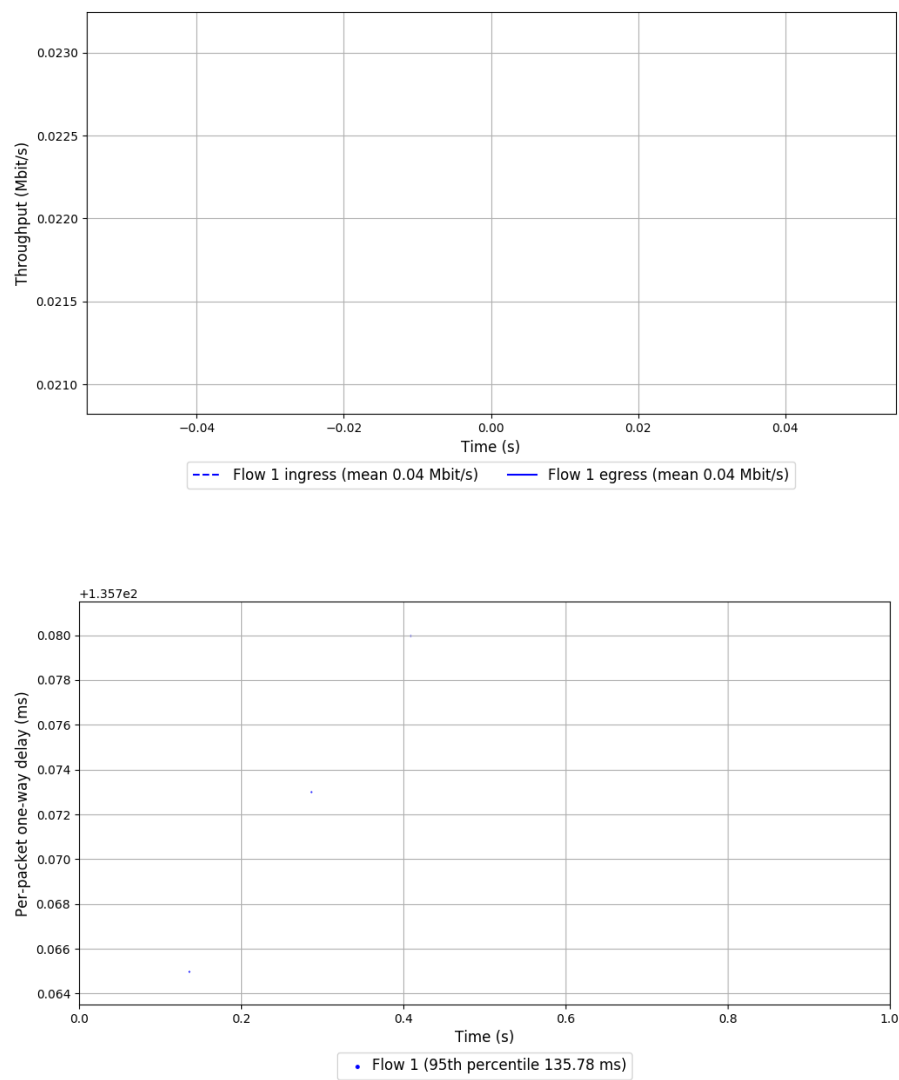


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-06 12:08:33

End at: 2018-03-06 12:09:03

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-06 12:24:18

End at: 2018-03-06 12:24:48

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.43 Mbit/s

95th percentile per-packet one-way delay: 140.420 ms

Loss rate: 0.02%

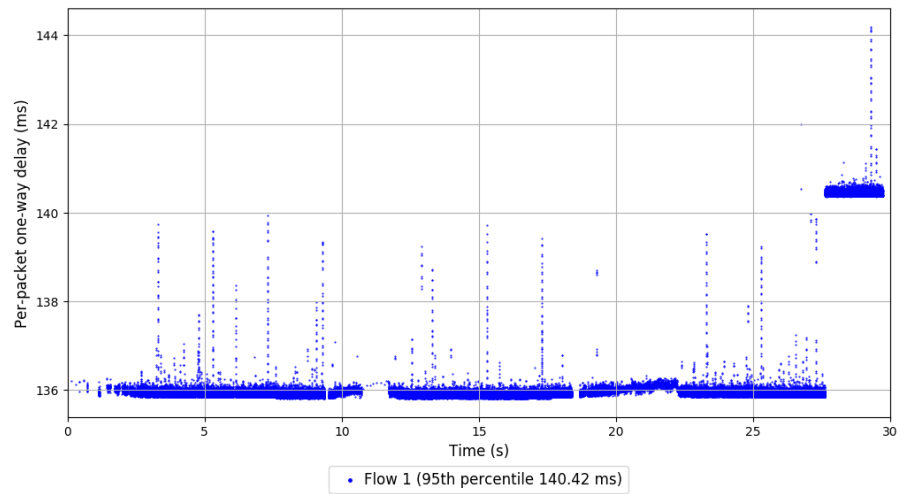
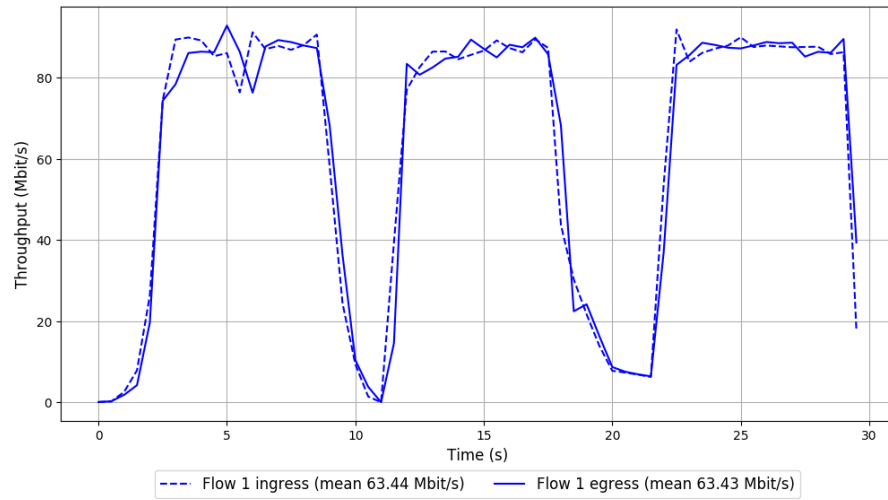
-- Flow 1:

Average throughput: 63.43 Mbit/s

95th percentile per-packet one-way delay: 140.420 ms

Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-03-06 12:40:12

End at: 2018-03-06 12:40:42

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.25 Mbit/s

95th percentile per-packet one-way delay: 136.562 ms

Loss rate: 0.00%

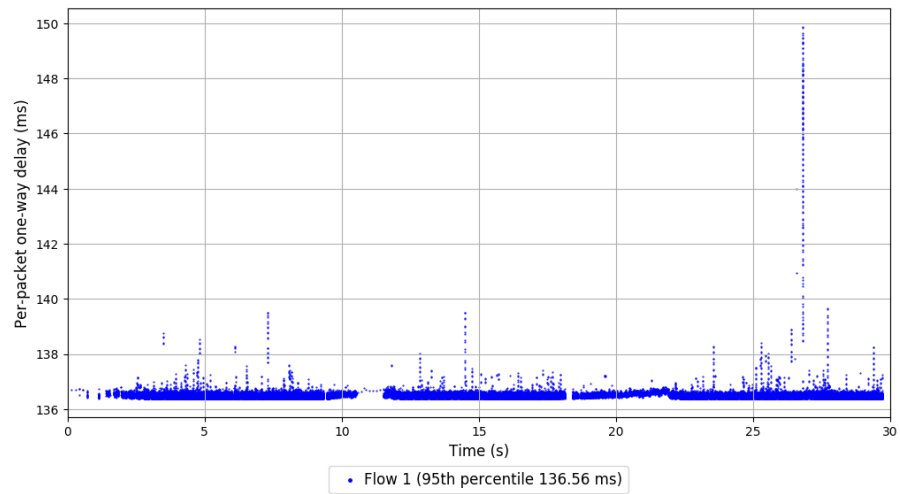
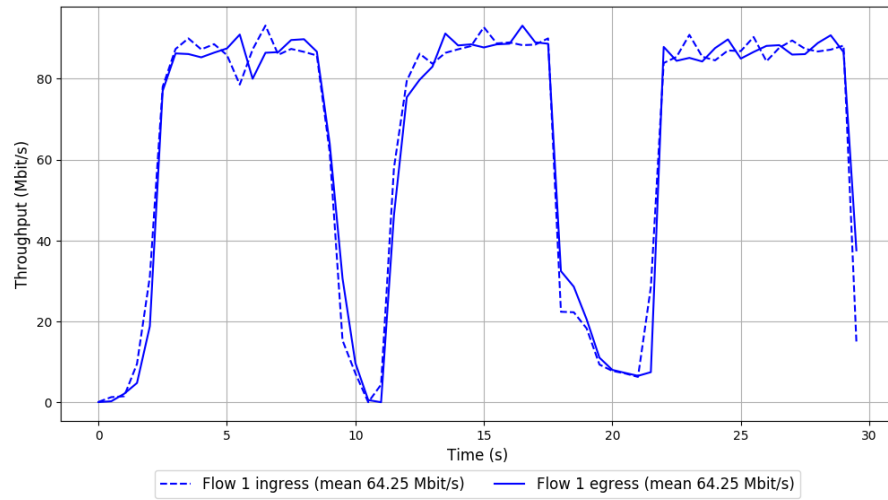
-- Flow 1:

Average throughput: 64.25 Mbit/s

95th percentile per-packet one-way delay: 136.562 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

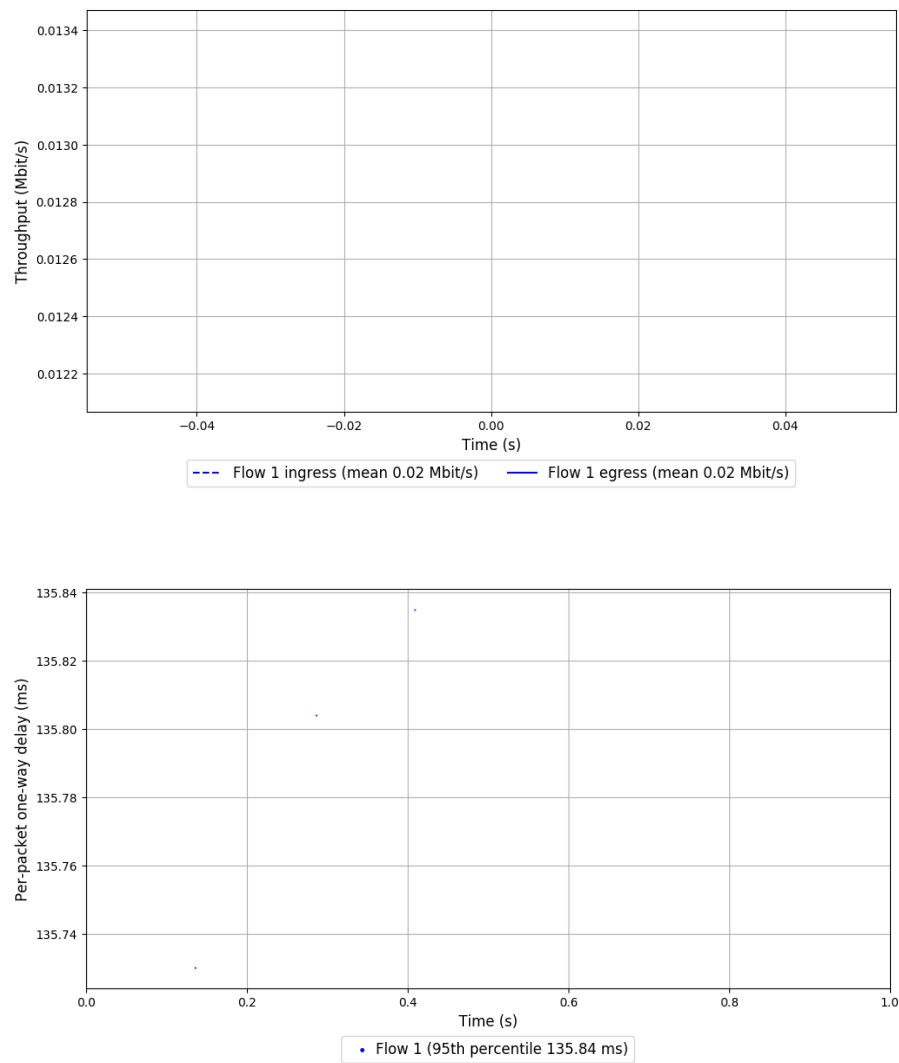


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-06 12:56:16

End at: 2018-03-06 12:56:46

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-03-06 13:12:26

End at: 2018-03-06 13:12:56

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 136.051 ms

Loss rate: 0.00%

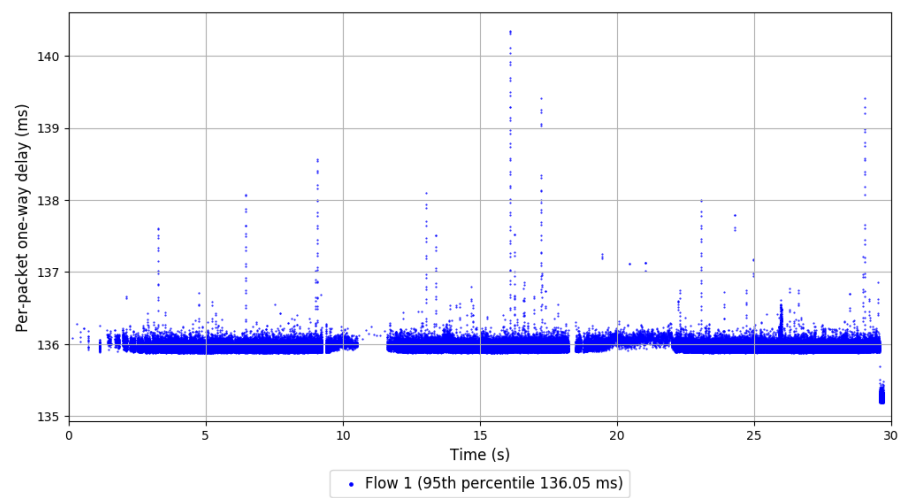
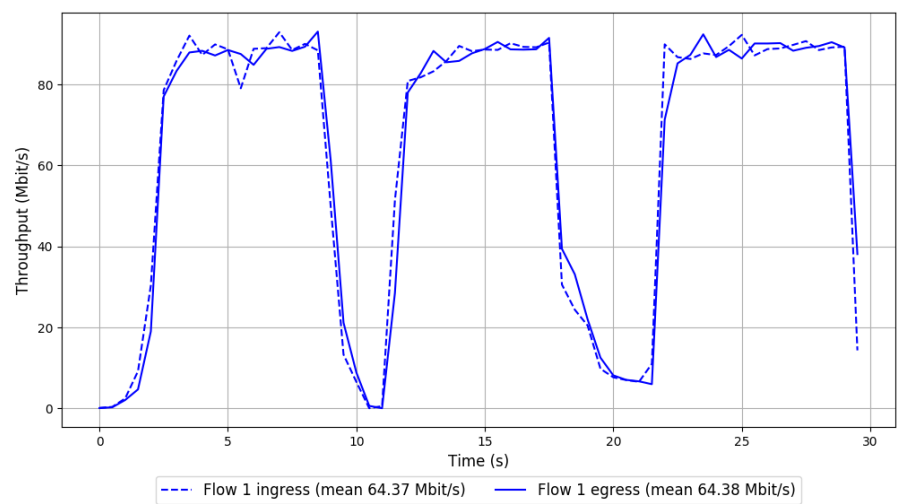
-- Flow 1:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 136.051 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-03-06 13:28:32

End at: 2018-03-06 13:29:02

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 141.079 ms

Loss rate: 0.00%

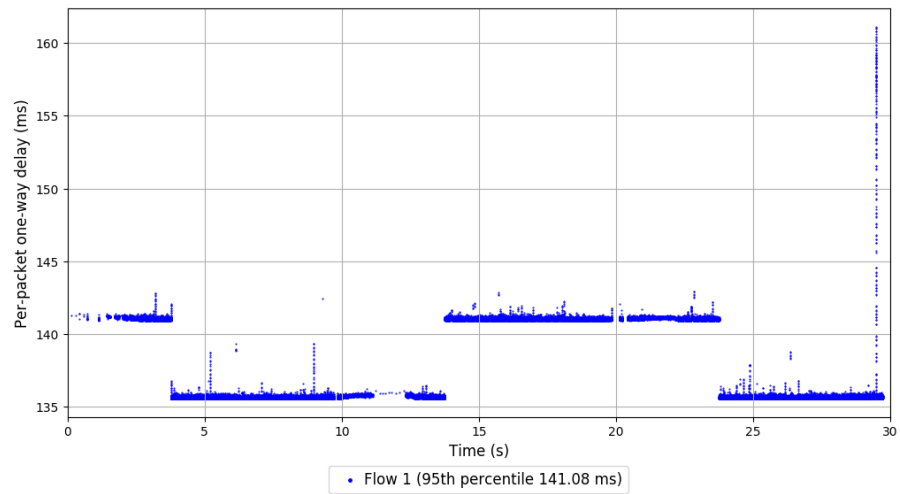
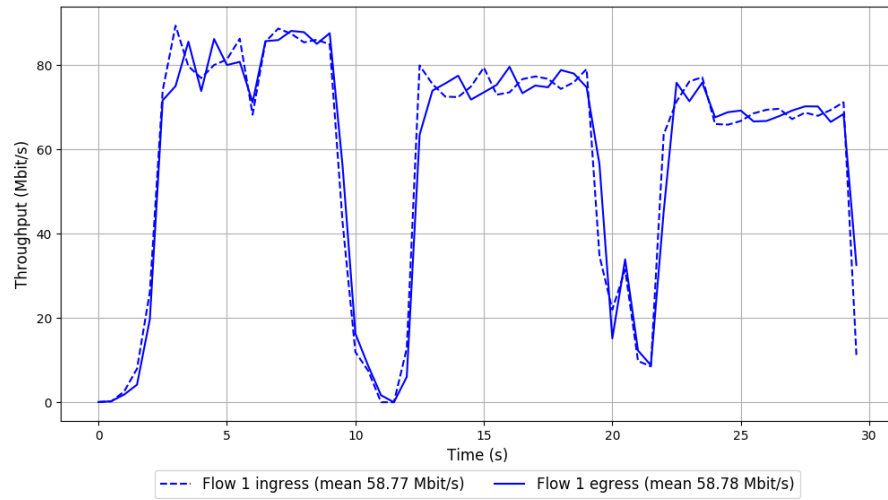
-- Flow 1:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 141.079 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-03-06 13:44:33

End at: 2018-03-06 13:45:03

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.13 Mbit/s

95th percentile per-packet one-way delay: 140.578 ms

Loss rate: 0.00%

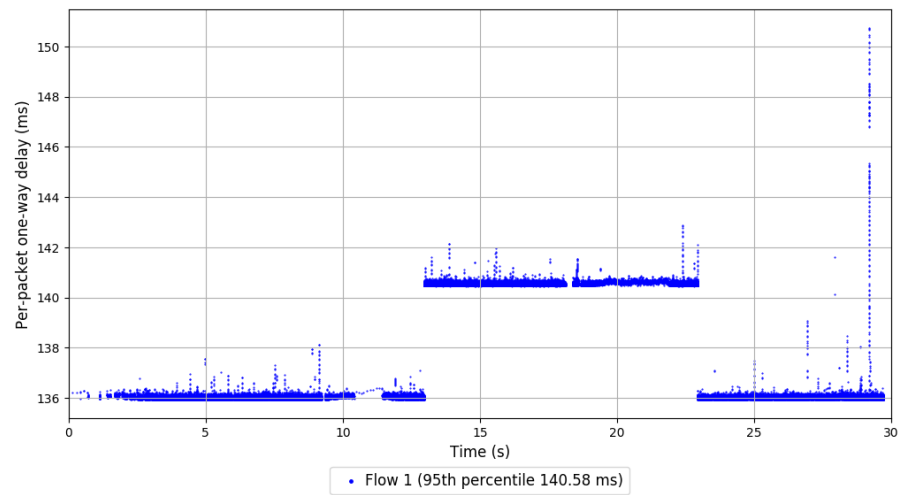
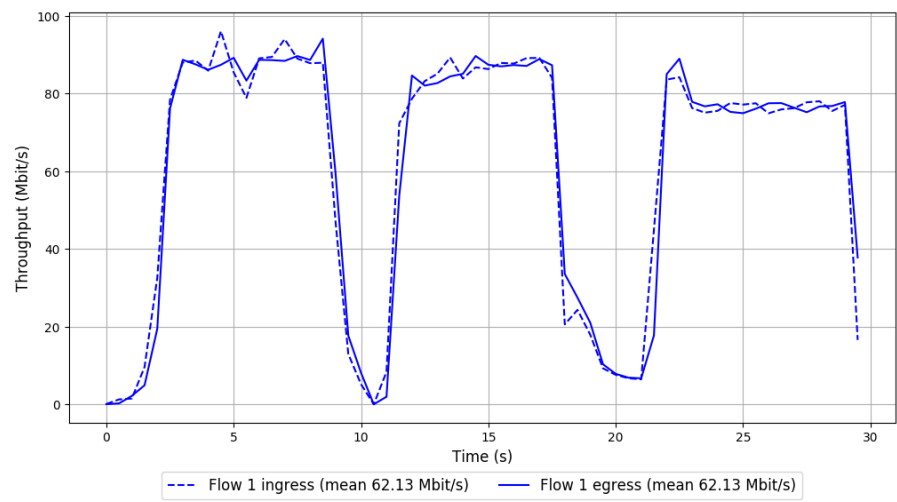
-- Flow 1:

Average throughput: 62.13 Mbit/s

95th percentile per-packet one-way delay: 140.578 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-03-06 14:00:33

End at: 2018-03-06 14:01:03

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.82 Mbit/s

95th percentile per-packet one-way delay: 136.642 ms

Loss rate: 0.01%

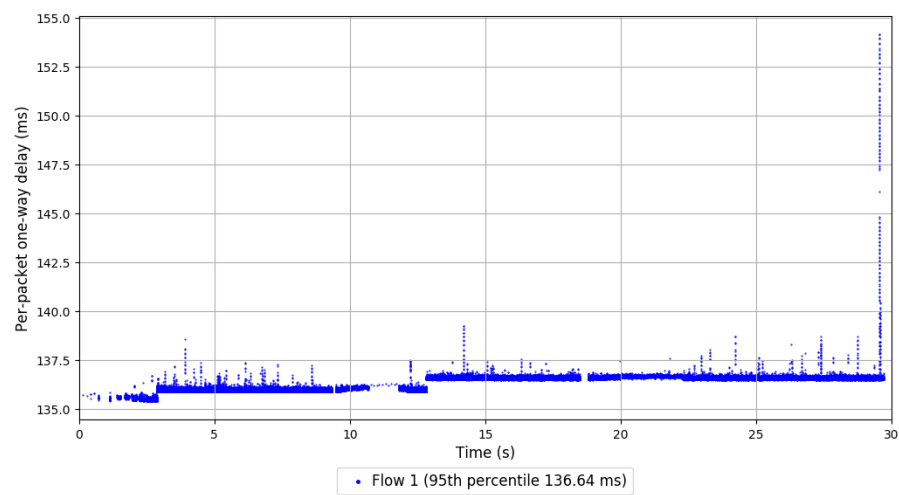
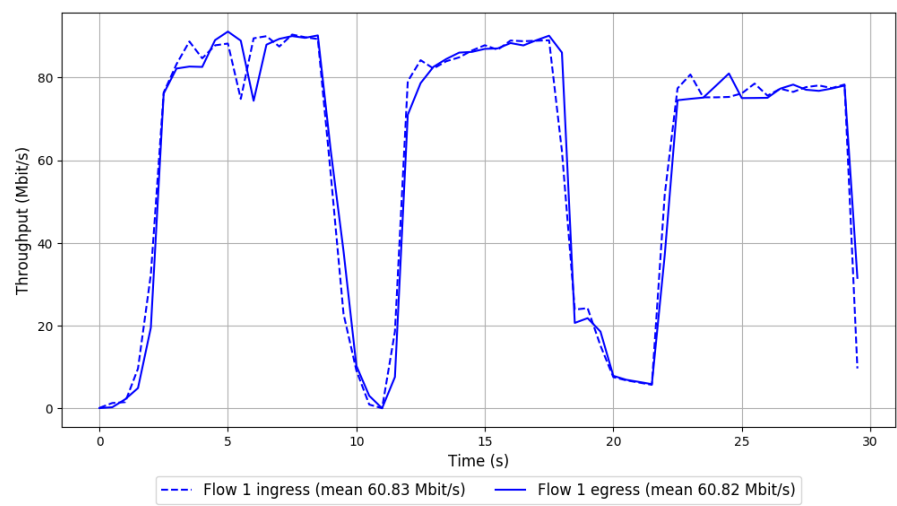
-- Flow 1:

Average throughput: 60.82 Mbit/s

95th percentile per-packet one-way delay: 136.642 ms

Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-03-06 14:16:22

End at: 2018-03-06 14:16:52

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.69 Mbit/s

95th percentile per-packet one-way delay: 136.912 ms

Loss rate: 0.00%

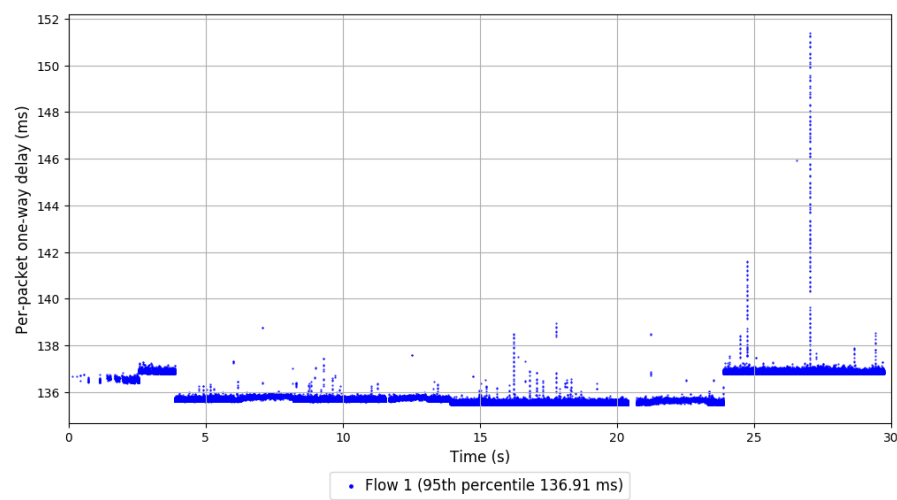
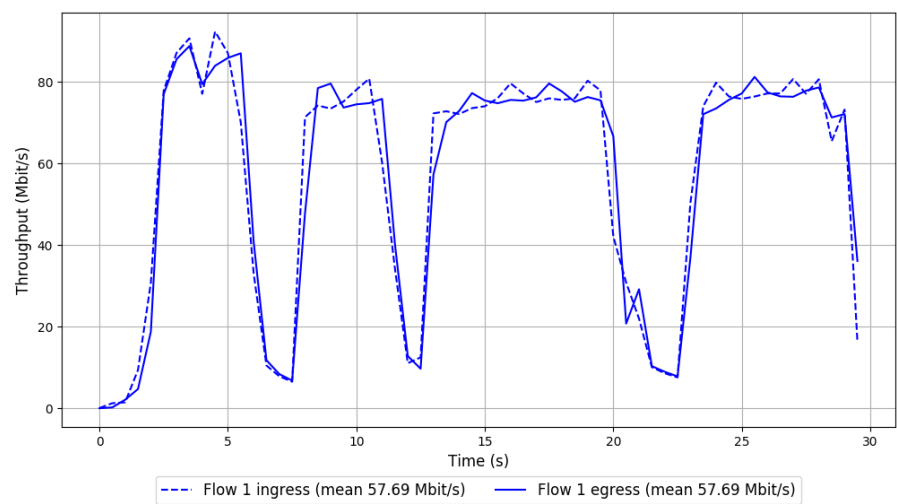
-- Flow 1:

Average throughput: 57.69 Mbit/s

95th percentile per-packet one-way delay: 136.912 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

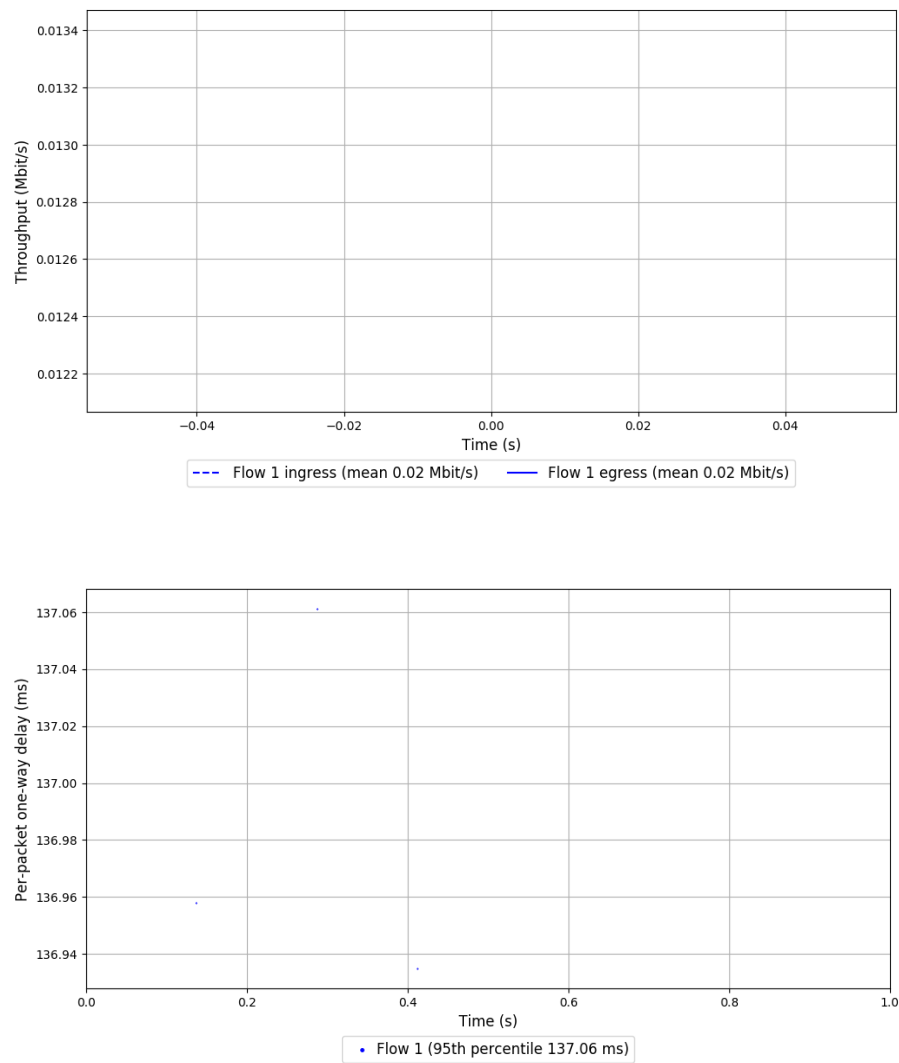


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-06 14:32:35

End at: 2018-03-06 14:33:05

Run 10: Report of QUIC Cubic — Data Link

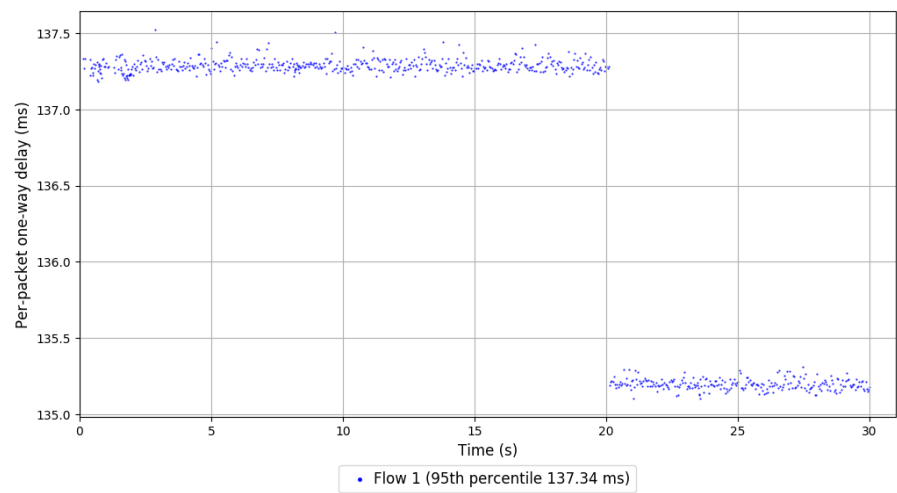
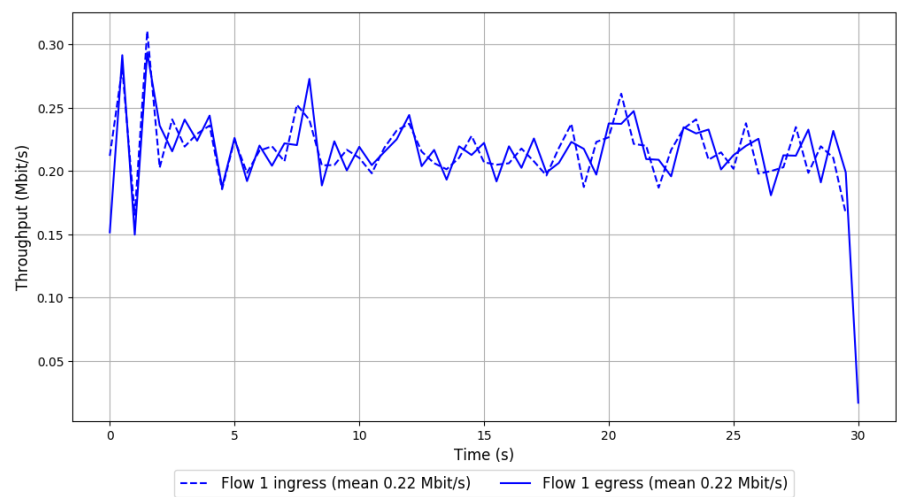


```
Run 1: Statistics of SCReAM

Start at: 2018-03-06 12:05:56
End at: 2018-03-06 12:06:26

# Below is generated by plot.py at 2018-03-06 16:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.343 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-03-06 12:21:42

End at: 2018-03-06 12:22:12

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.156 ms

Loss rate: 0.00%

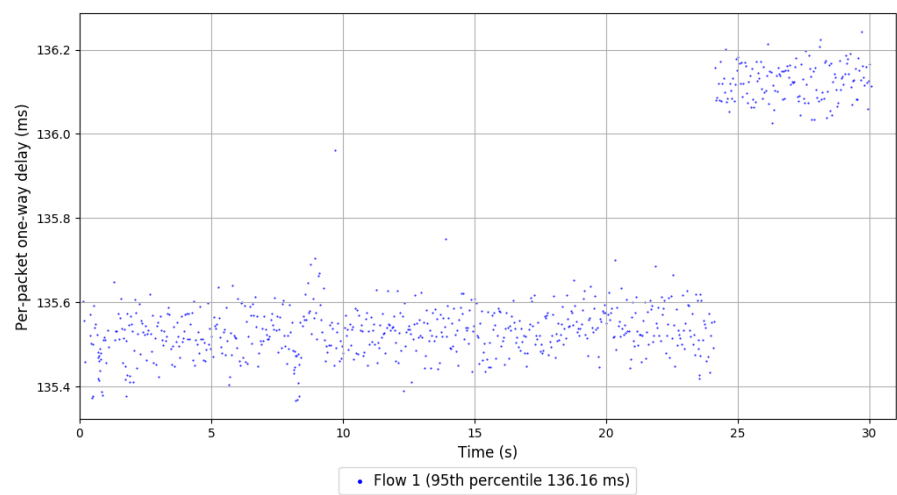
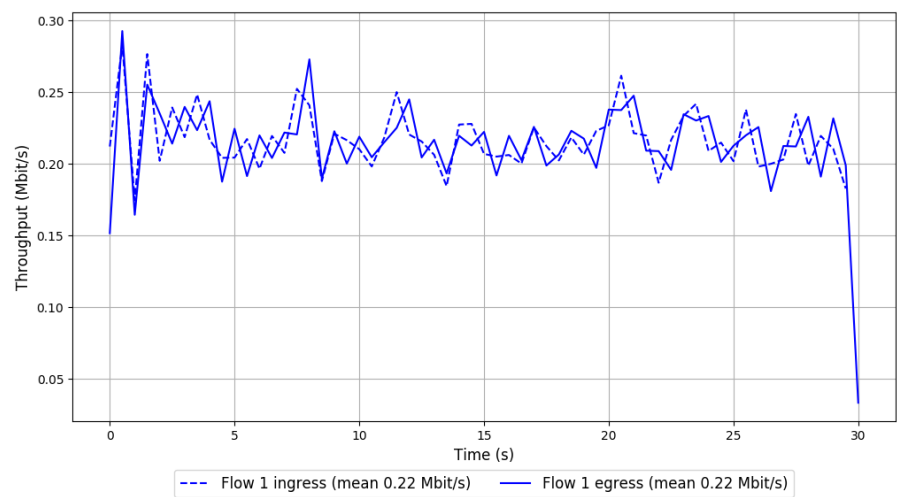
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.156 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-03-06 12:37:34

End at: 2018-03-06 12:38:04

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.725 ms

Loss rate: 0.00%

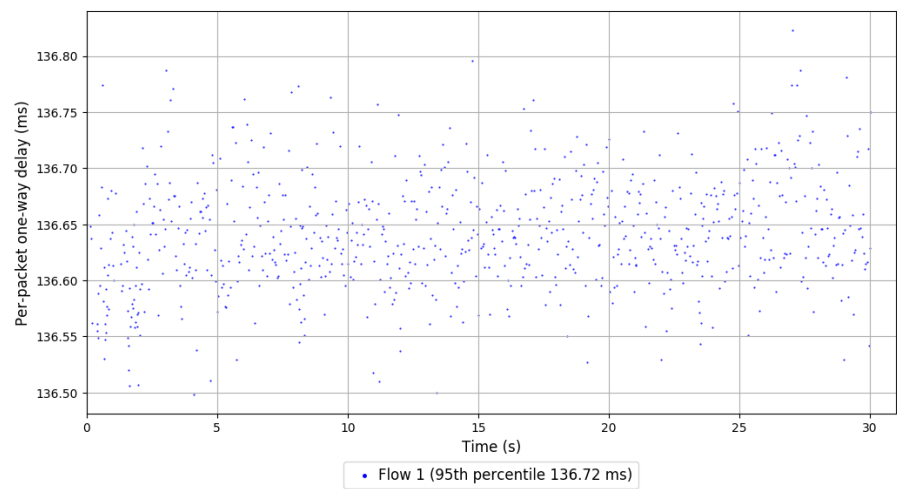
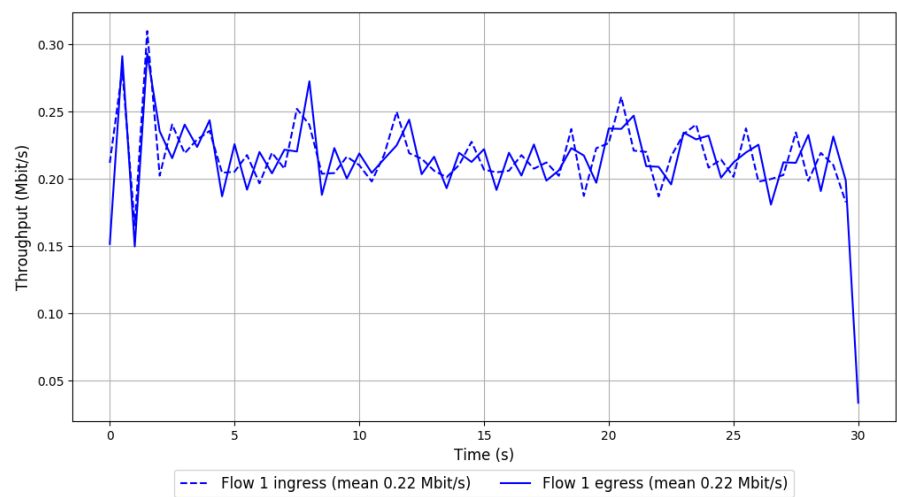
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.725 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-03-06 12:53:38

End at: 2018-03-06 12:54:08

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.112 ms

Loss rate: 0.00%

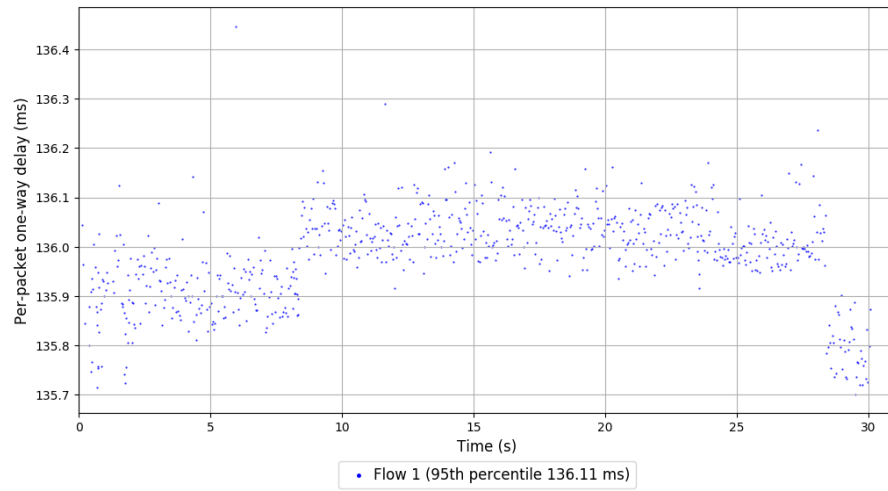
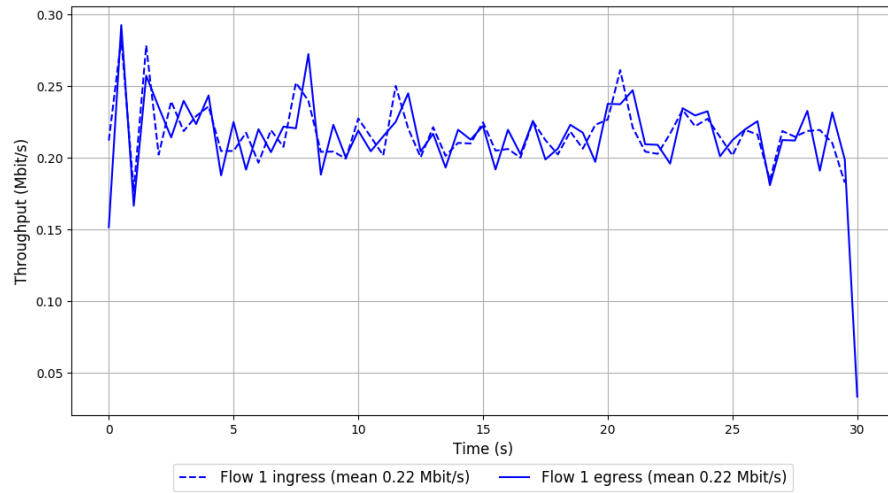
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.112 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-03-06 13:09:47

End at: 2018-03-06 13:10:17

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.876 ms

Loss rate: 0.00%

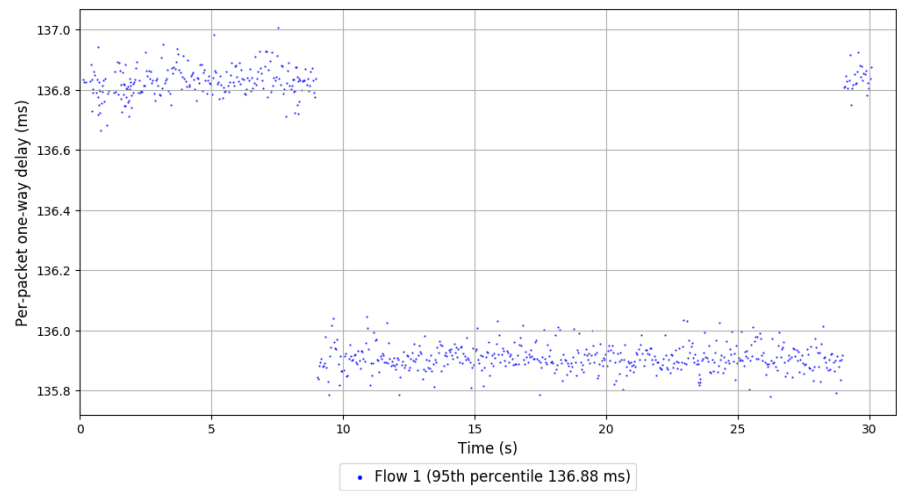
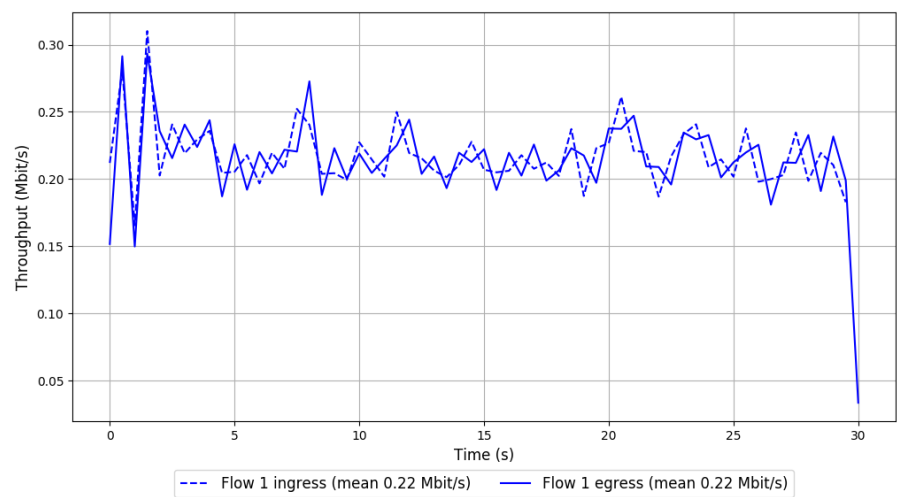
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.876 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-03-06 13:25:55

End at: 2018-03-06 13:26:25

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.708 ms

Loss rate: 0.00%

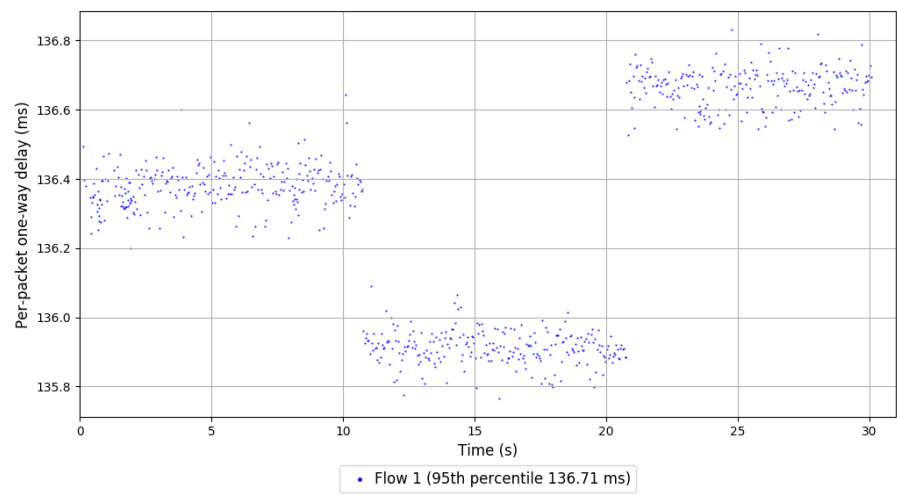
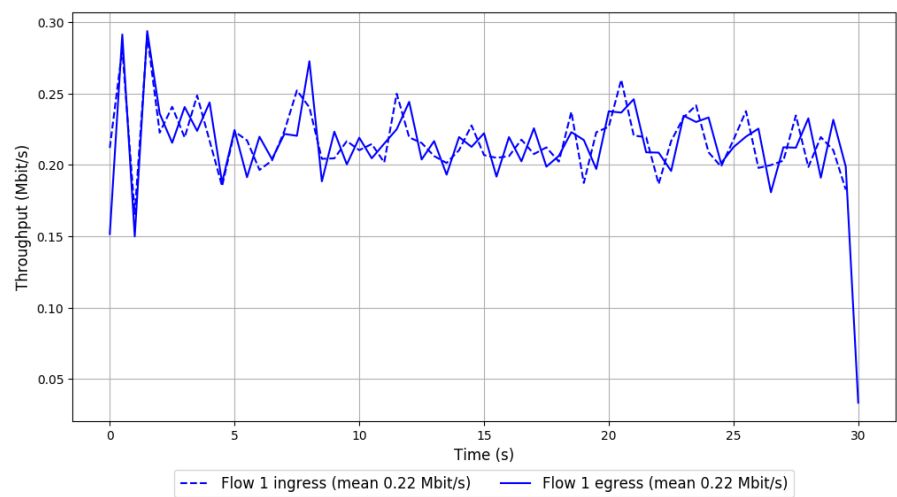
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.708 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-03-06 13:41:57

End at: 2018-03-06 13:42:27

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.759 ms

Loss rate: 0.00%

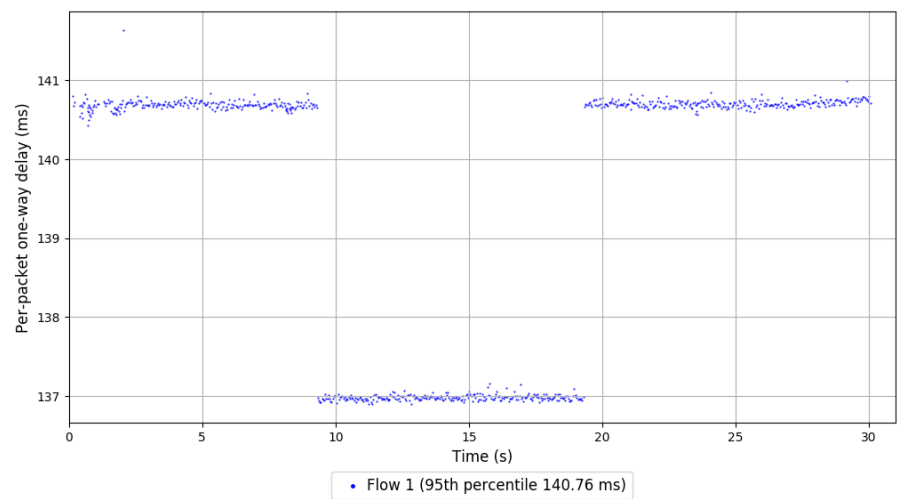
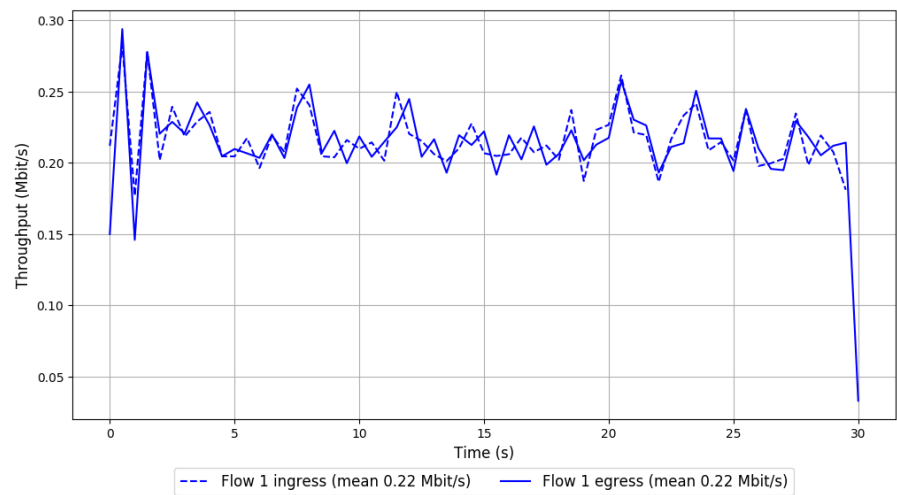
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.759 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-03-06 13:57:56

End at: 2018-03-06 13:58:26

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.319 ms

Loss rate: 0.00%

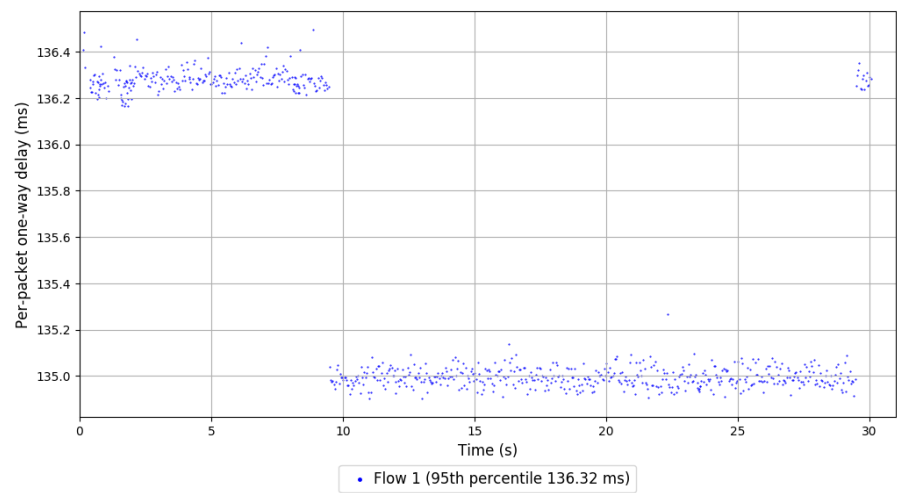
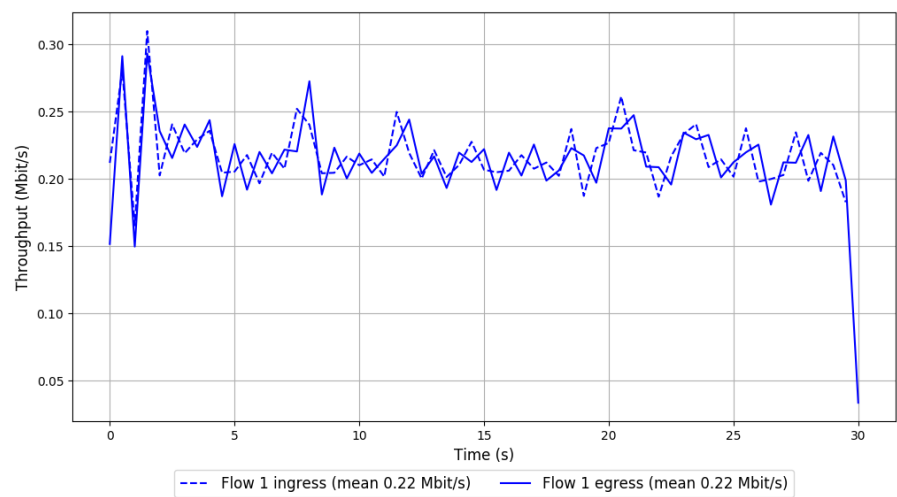
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.319 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-03-06 14:13:47

End at: 2018-03-06 14:14:17

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.777 ms

Loss rate: 0.00%

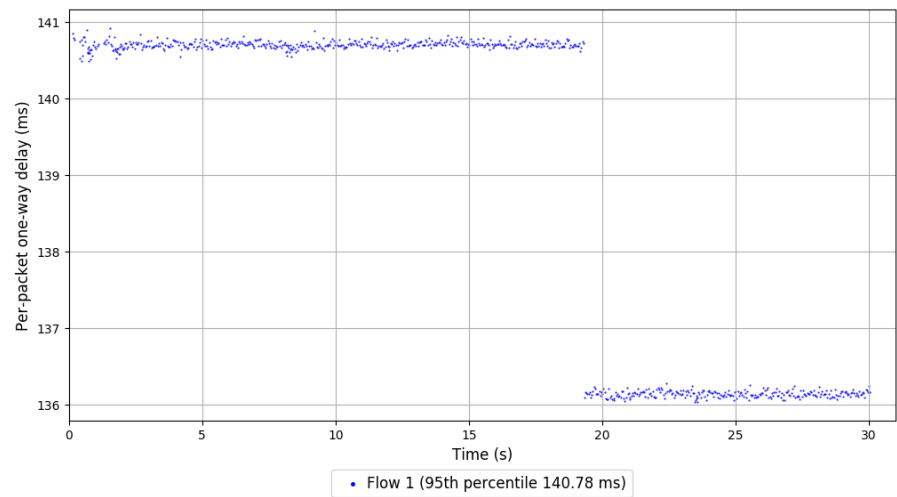
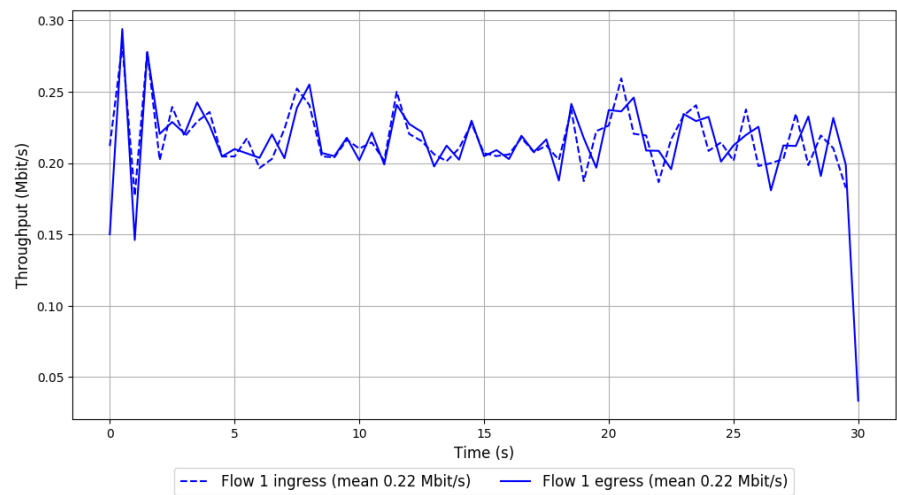
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.777 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-03-06 14:29:54

End at: 2018-03-06 14:30:24

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.085 ms

Loss rate: 0.00%

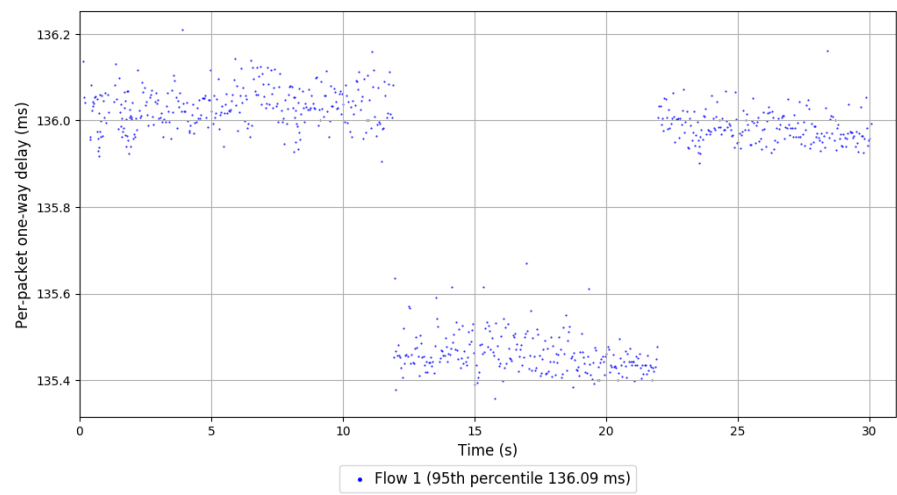
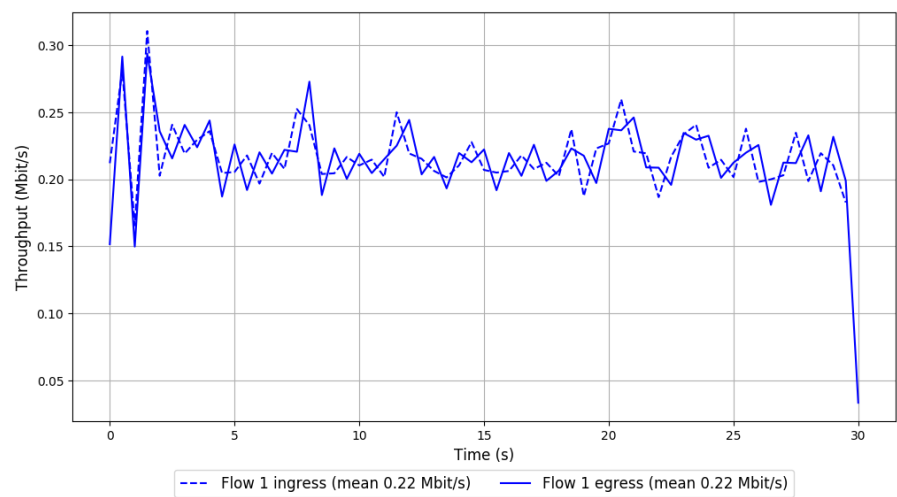
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.085 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

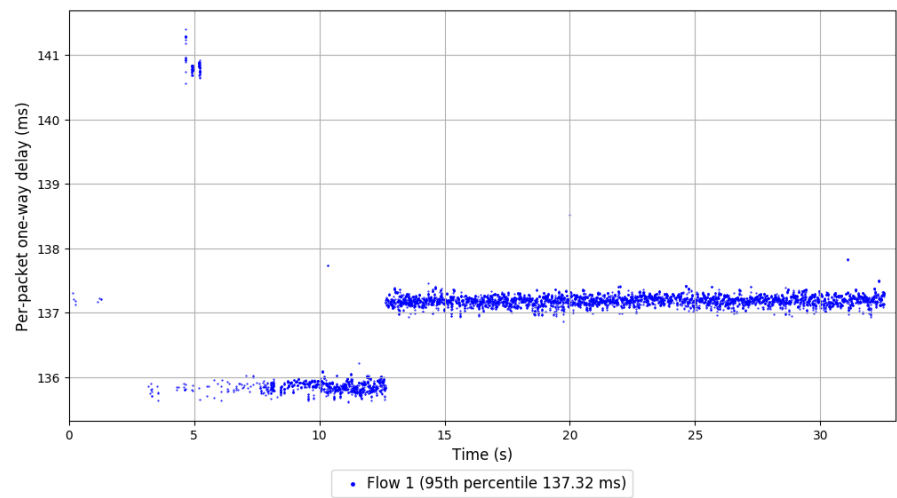
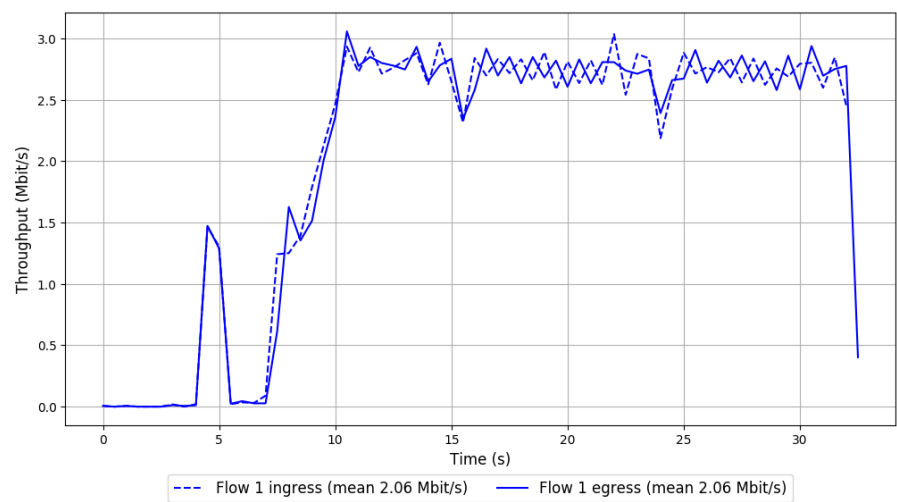


```
Run 1: Statistics of WebRTC media

Start at: 2018-03-06 11:56:06
End at: 2018-03-06 11:56:36

# Below is generated by plot.py at 2018-03-06 16:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 137.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 137.321 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-03-06 12:12:02

End at: 2018-03-06 12:12:32

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 137.299 ms

Loss rate: 0.00%

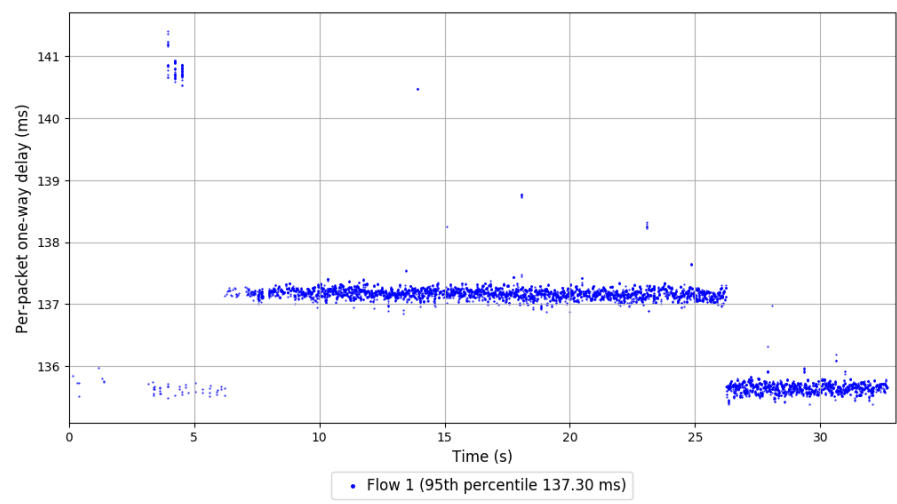
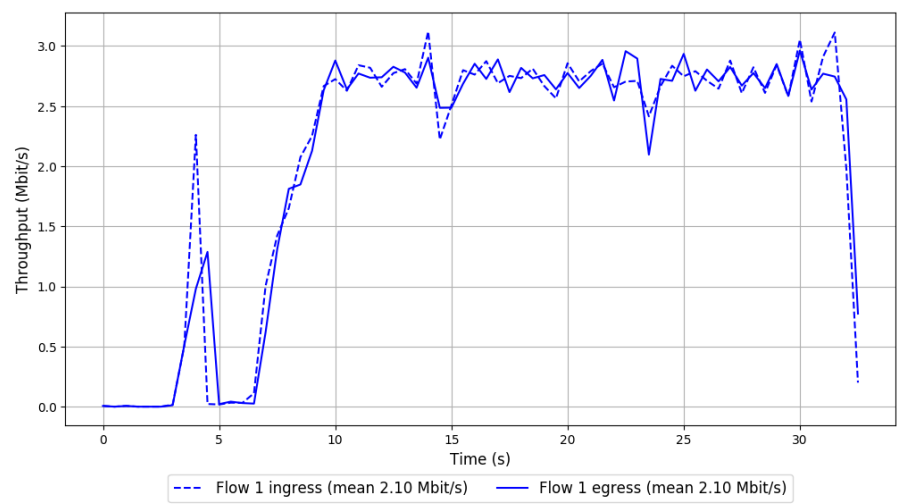
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 137.299 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-03-06 12:27:55

End at: 2018-03-06 12:28:25

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.287 ms

Loss rate: 0.01%

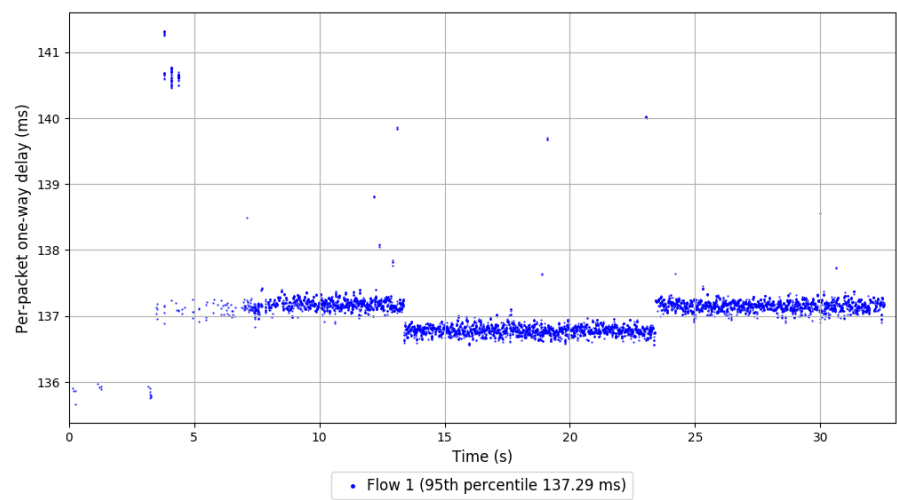
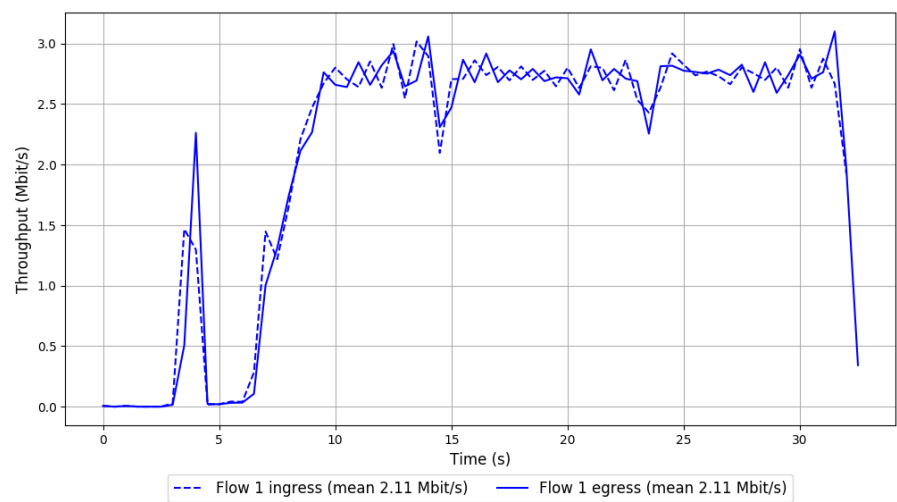
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.287 ms

Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-06 12:43:54

End at: 2018-03-06 12:44:24

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.236 ms

Loss rate: 0.00%

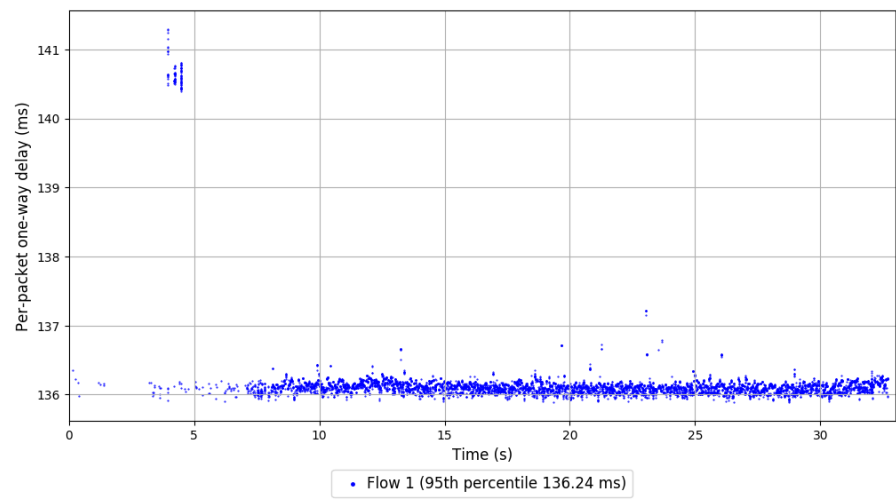
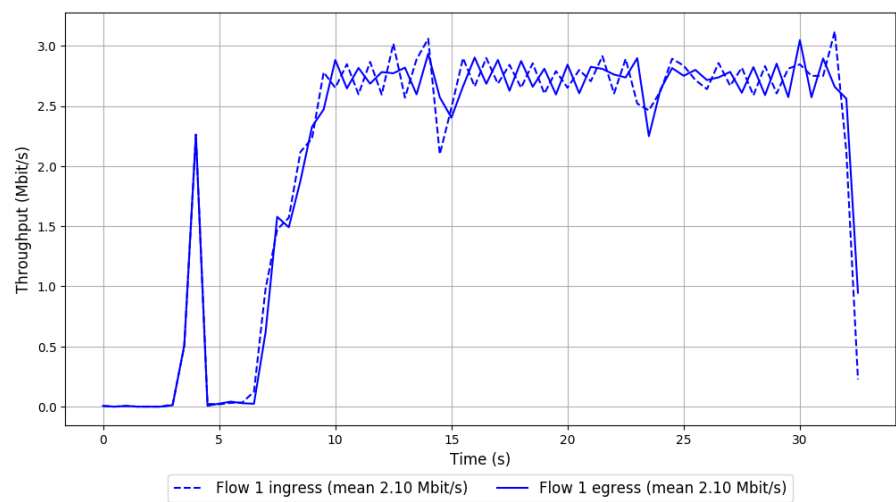
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.236 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-03-06 12:59:58

End at: 2018-03-06 13:00:28

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.246 ms

Loss rate: 0.00%

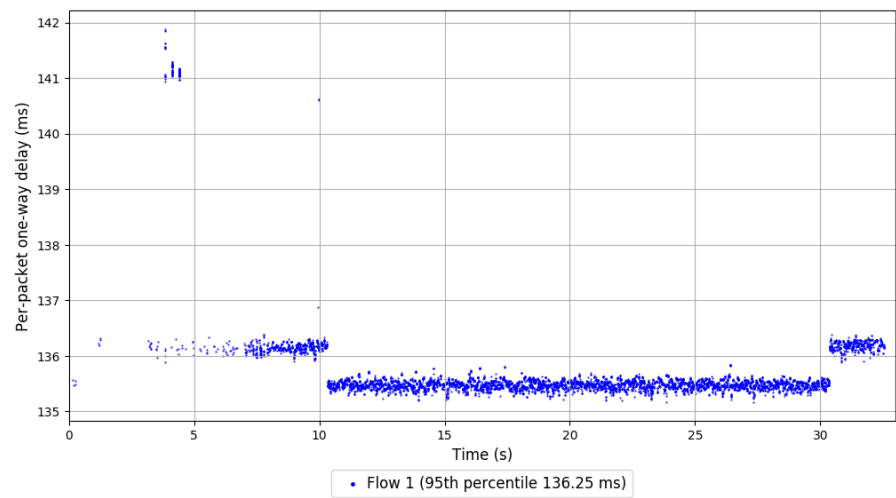
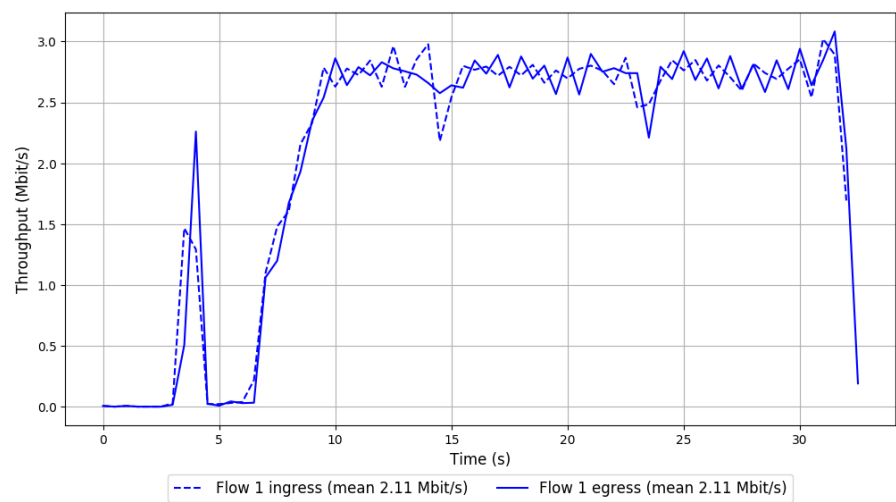
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.246 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-03-06 13:16:10

End at: 2018-03-06 13:16:40

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.333 ms

Loss rate: 0.00%

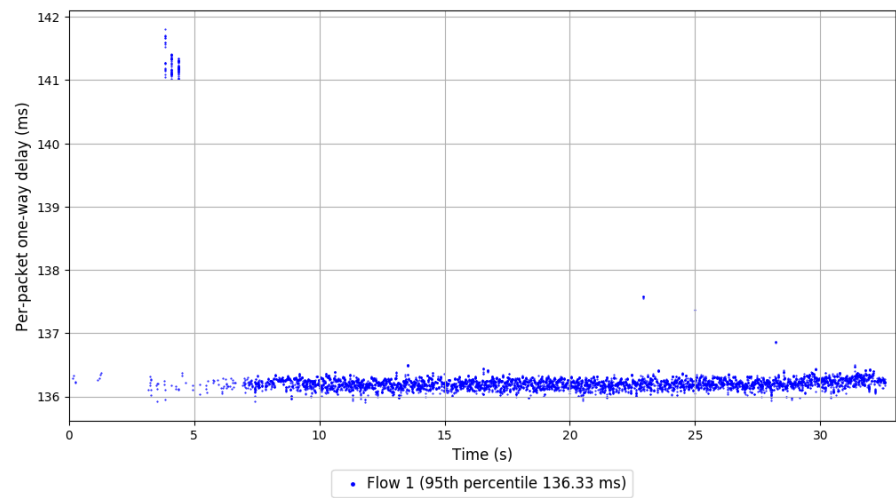
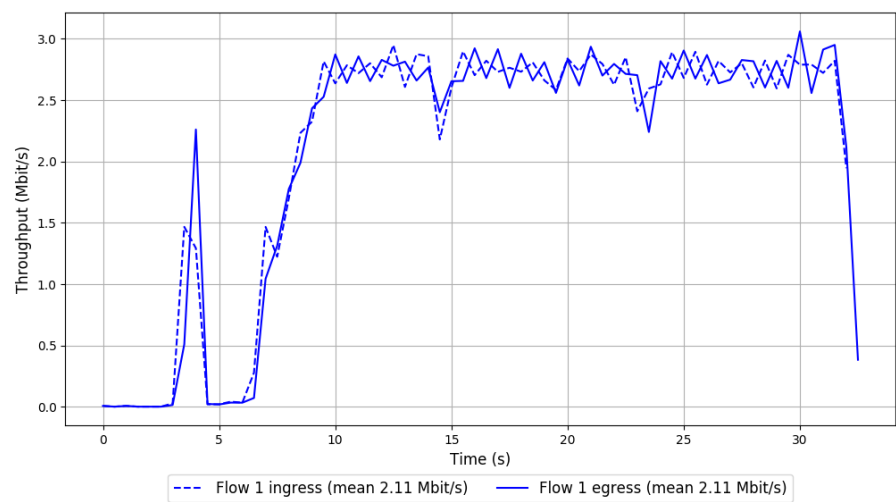
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.333 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-03-06 13:32:17

End at: 2018-03-06 13:32:47

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.024 ms

Loss rate: 0.00%

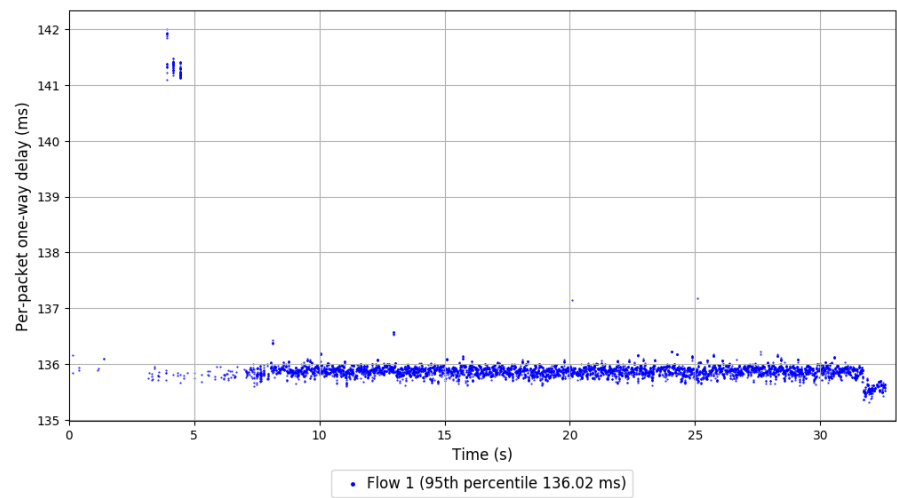
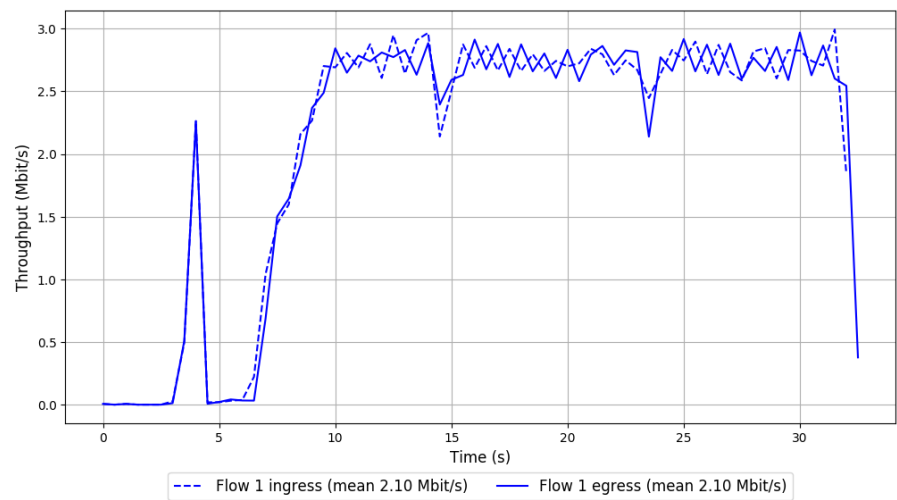
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 136.024 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-03-06 13:48:15

End at: 2018-03-06 13:48:45

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.800 ms

Loss rate: 0.00%

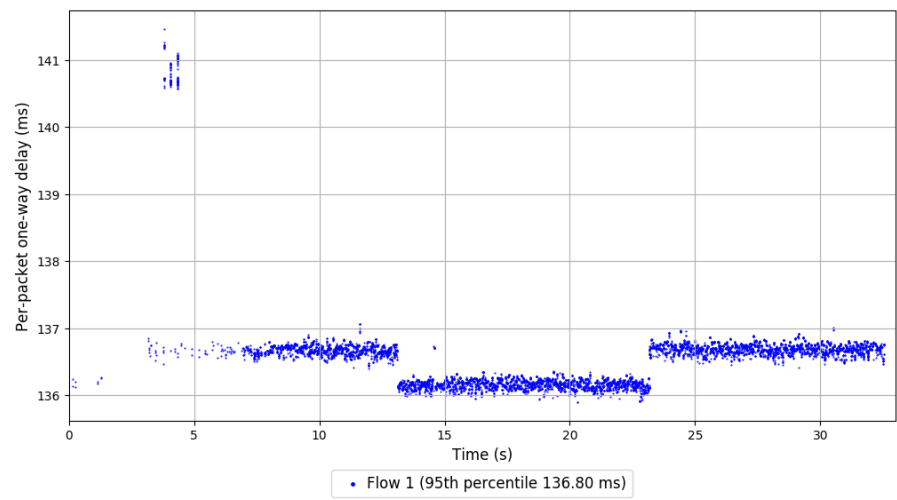
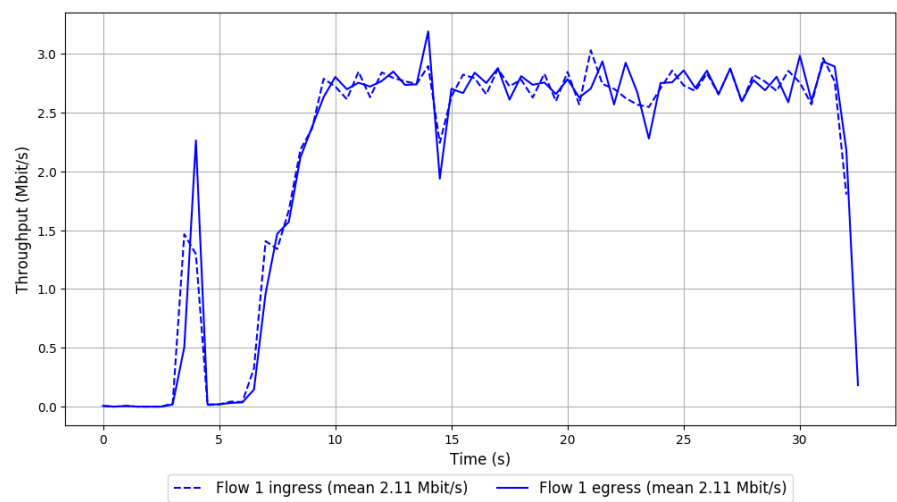
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.800 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-03-06 14:04:16

End at: 2018-03-06 14:04:46

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.735 ms

Loss rate: 0.00%

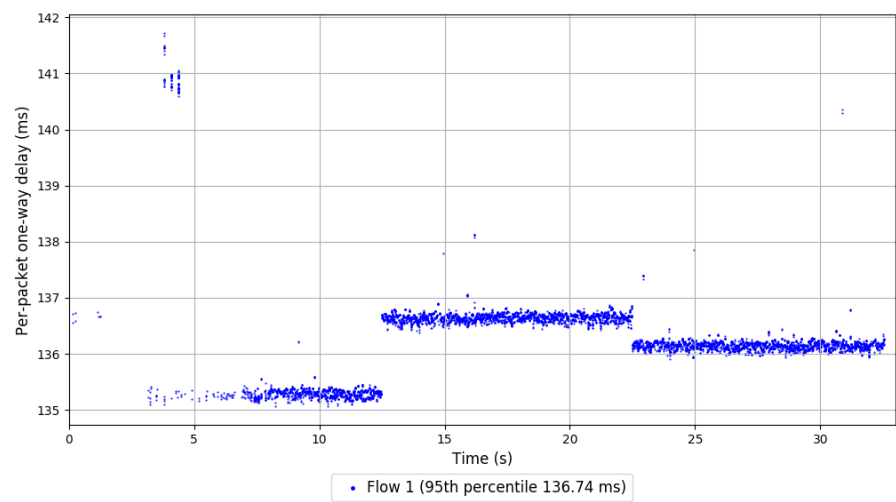
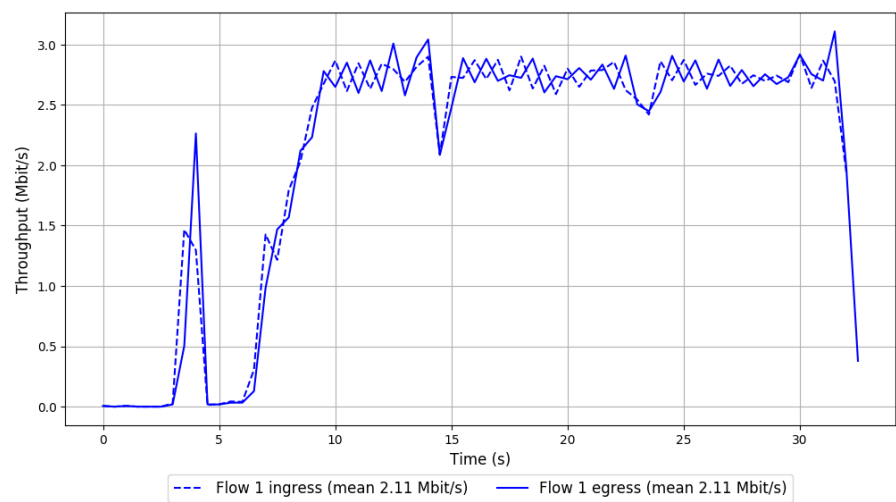
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.735 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-06 14:20:08

End at: 2018-03-06 14:20:38

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.275 ms

Loss rate: 0.00%

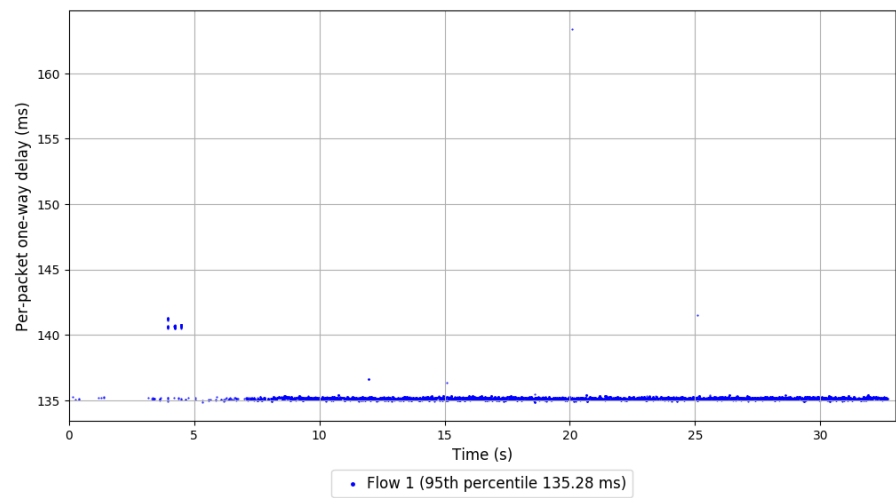
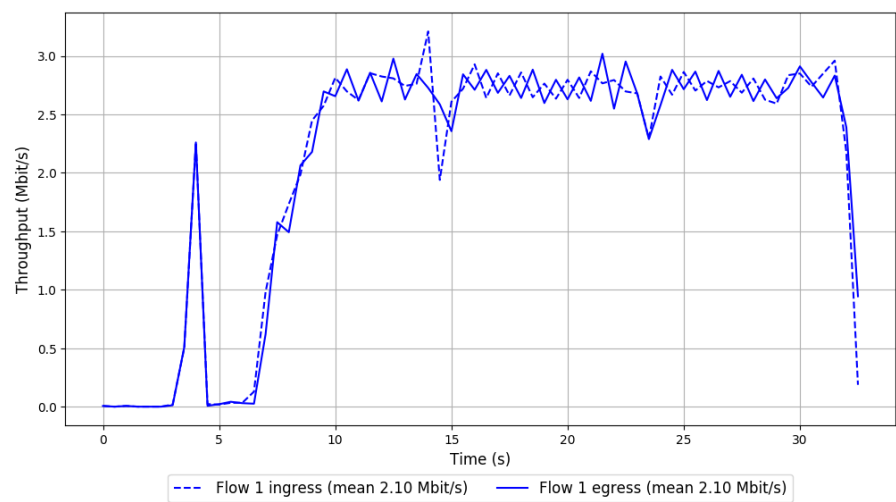
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 135.275 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-03-06 12:05:14

End at: 2018-03-06 12:05:44

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 140.804 ms

Loss rate: 0.00%

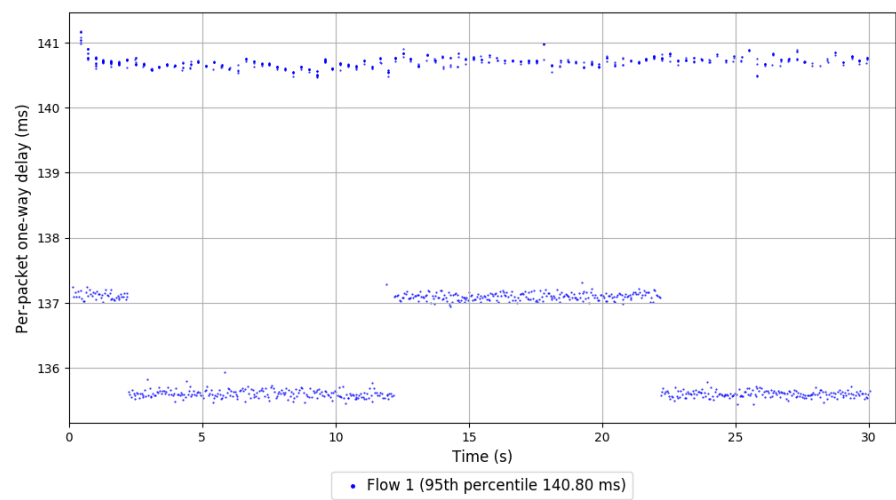
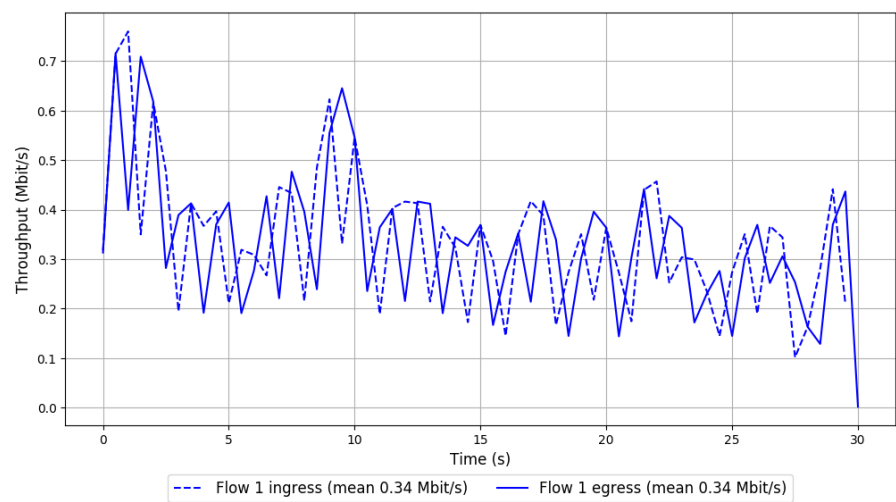
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 140.804 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-03-06 12:20:59

End at: 2018-03-06 12:21:30

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 140.931 ms

Loss rate: 0.00%

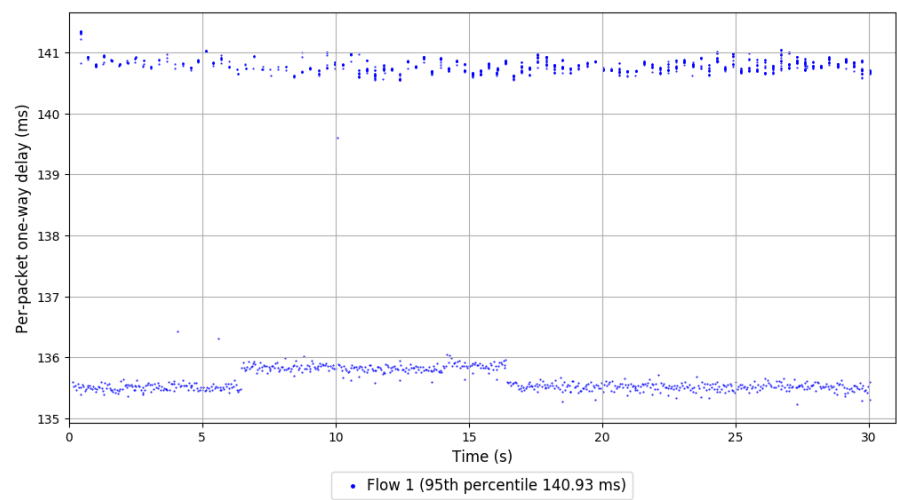
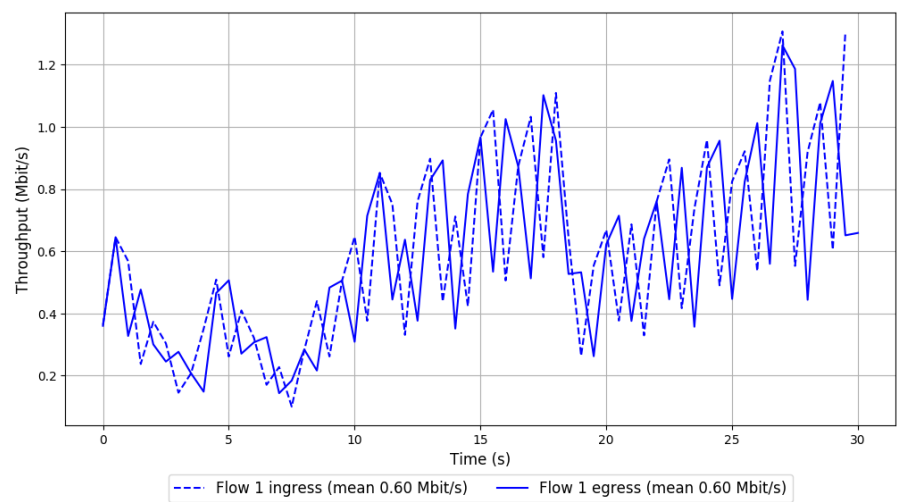
-- Flow 1:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 140.931 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-03-06 12:36:52

End at: 2018-03-06 12:37:22

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.85 Mbit/s

95th percentile per-packet one-way delay: 140.945 ms

Loss rate: 0.00%

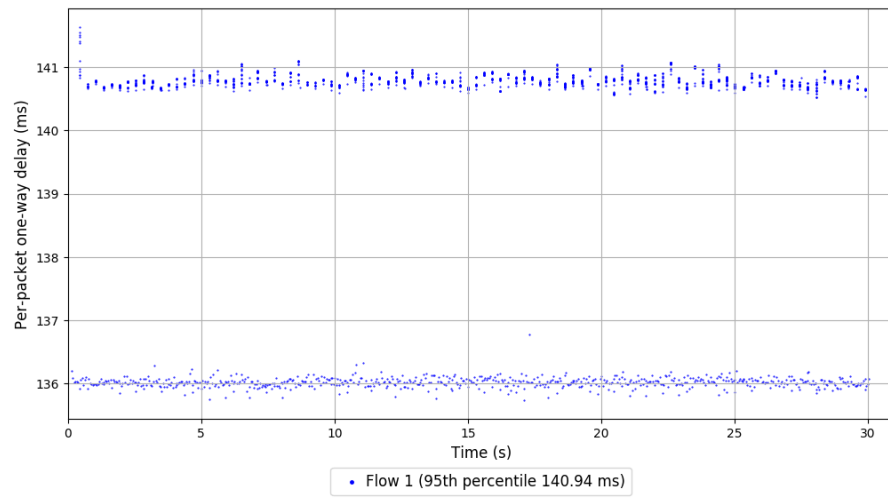
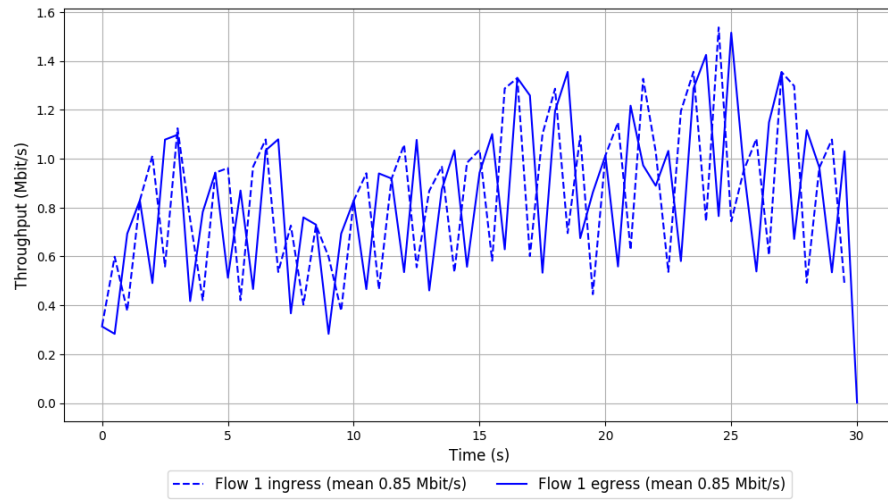
-- Flow 1:

Average throughput: 0.85 Mbit/s

95th percentile per-packet one-way delay: 140.945 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-03-06 12:52:55

End at: 2018-03-06 12:53:25

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 141.432 ms

Loss rate: 0.00%

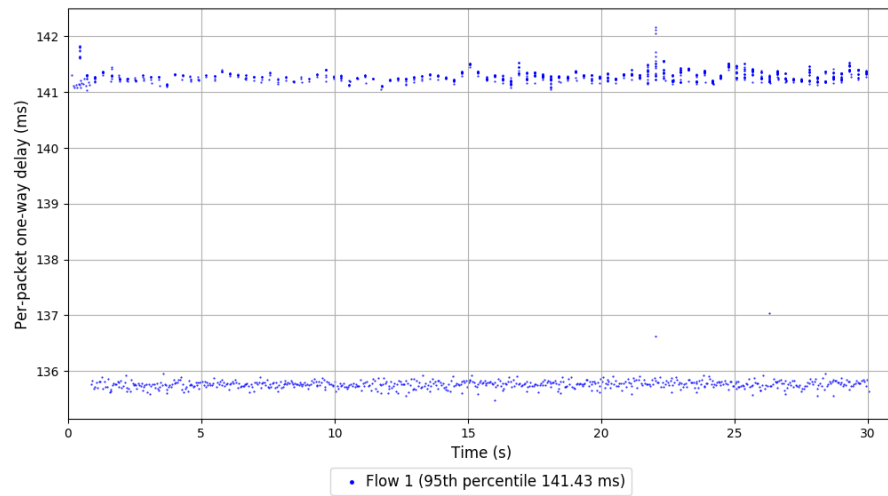
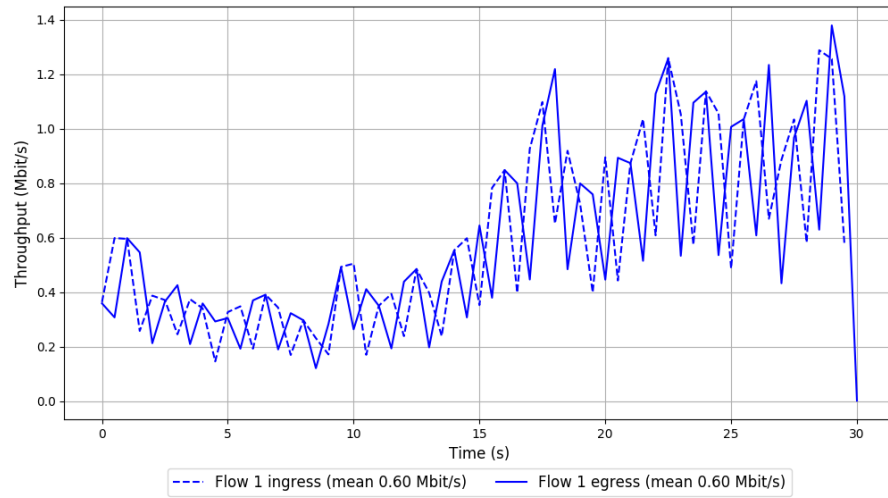
-- Flow 1:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 141.432 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-03-06 13:09:04

End at: 2018-03-06 13:09:34

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 141.509 ms

Loss rate: 0.00%

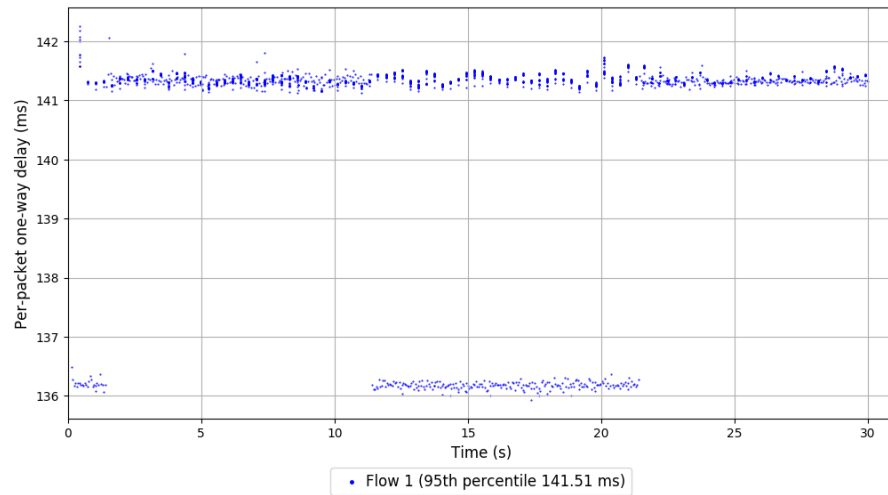
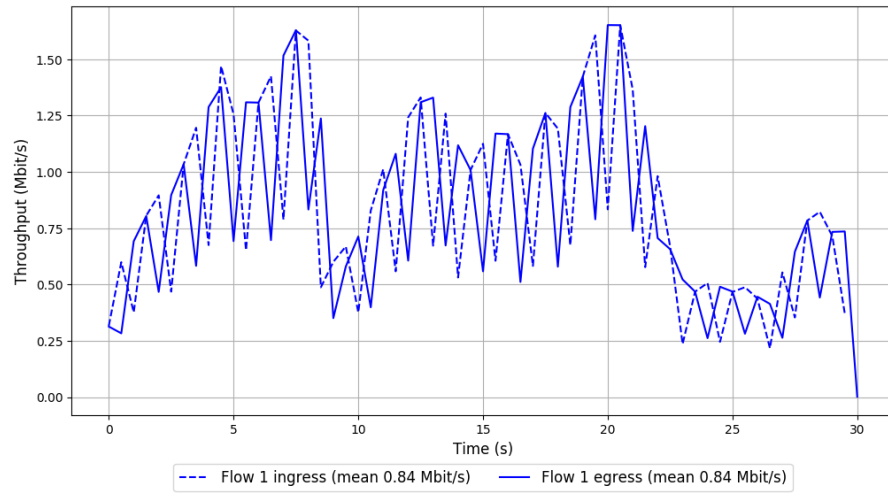
-- Flow 1:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 141.509 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-03-06 13:25:13

End at: 2018-03-06 13:25:43

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 141.420 ms

Loss rate: 0.00%

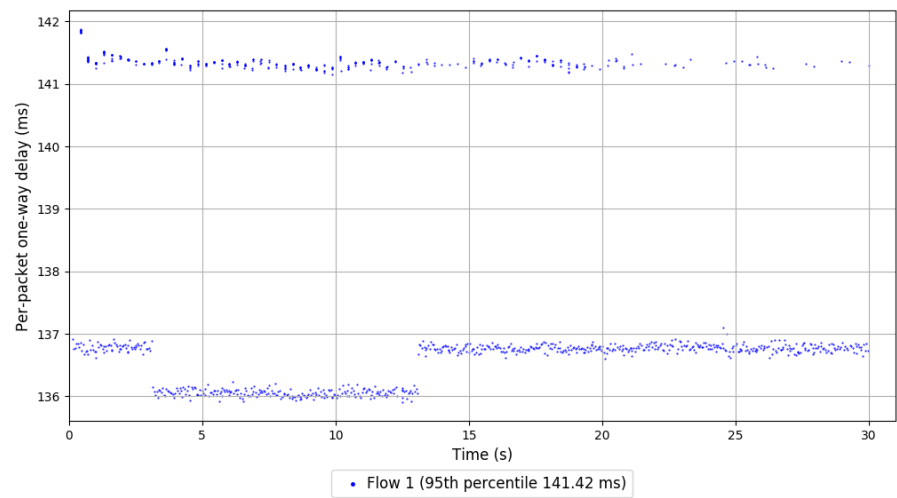
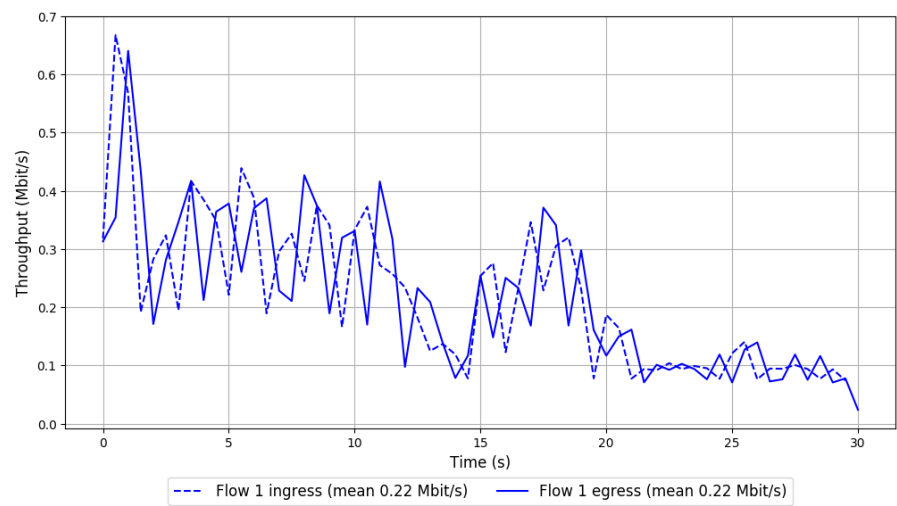
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 141.420 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-03-06 13:41:14

End at: 2018-03-06 13:41:44

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: 141.643 ms

Loss rate: 0.00%

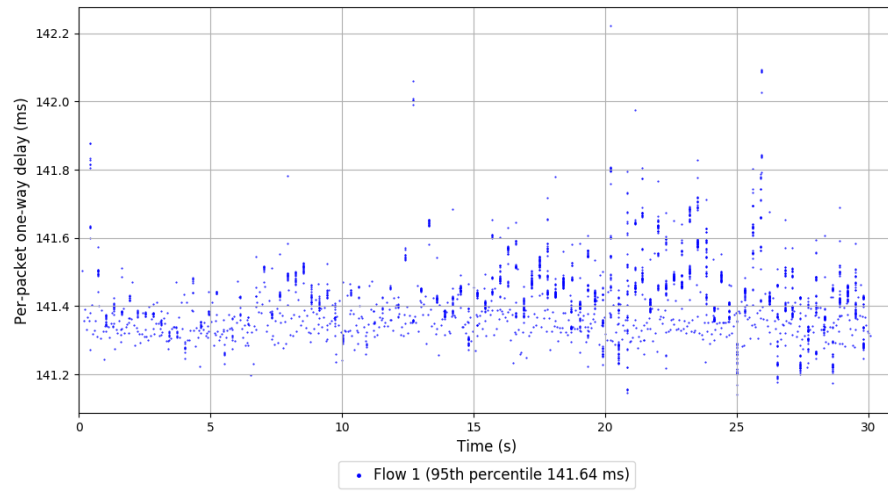
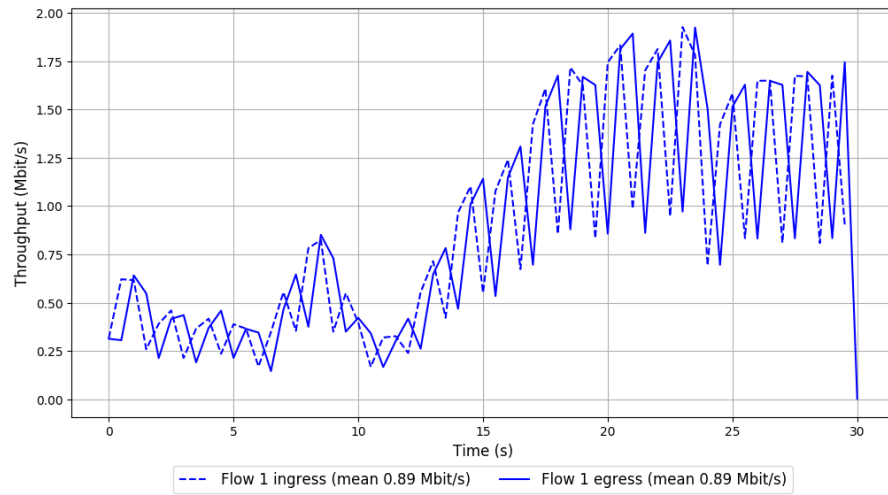
-- Flow 1:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: 141.643 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-03-06 13:57:14

End at: 2018-03-06 13:57:44

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 140.957 ms

Loss rate: 0.00%

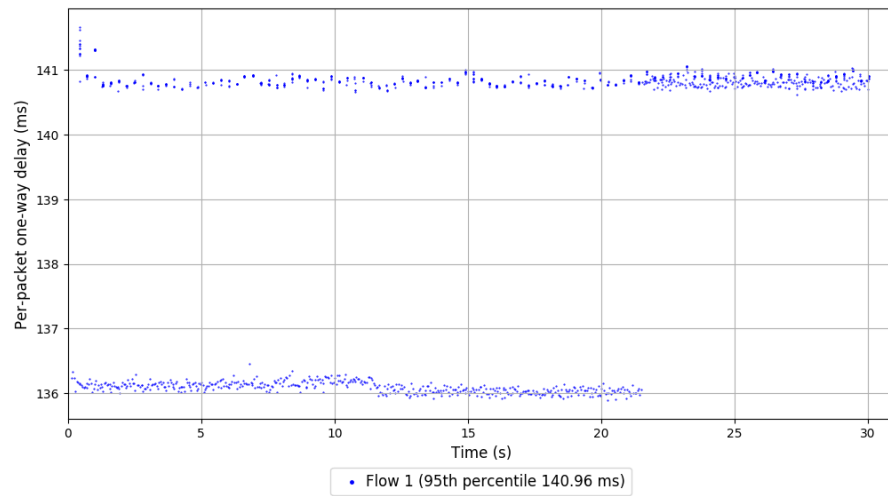
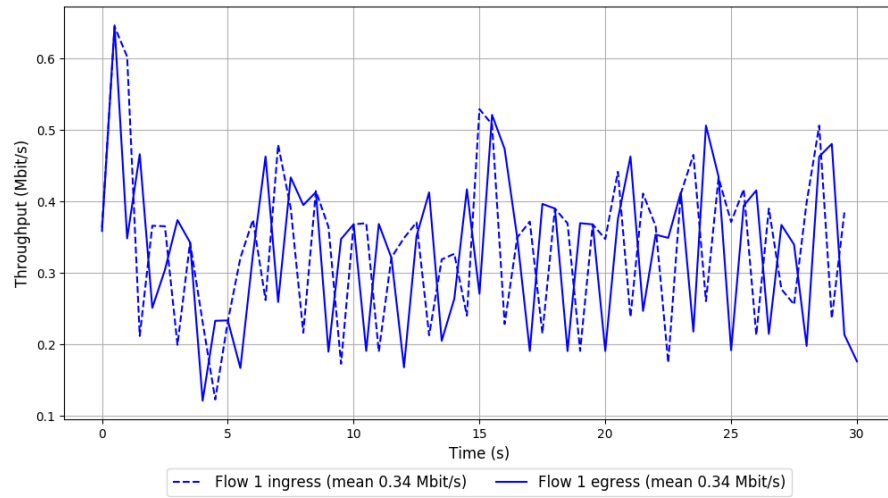
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 140.957 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-03-06 14:13:05

End at: 2018-03-06 14:13:35

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 140.886 ms

Loss rate: 0.00%

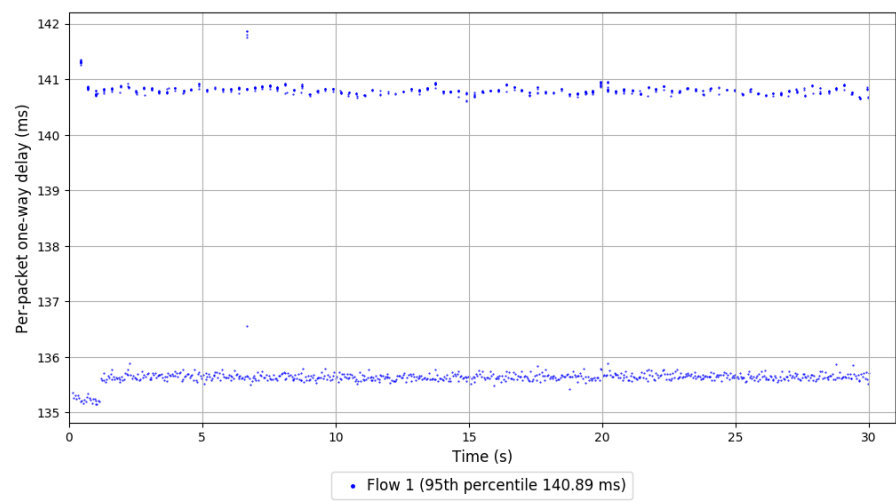
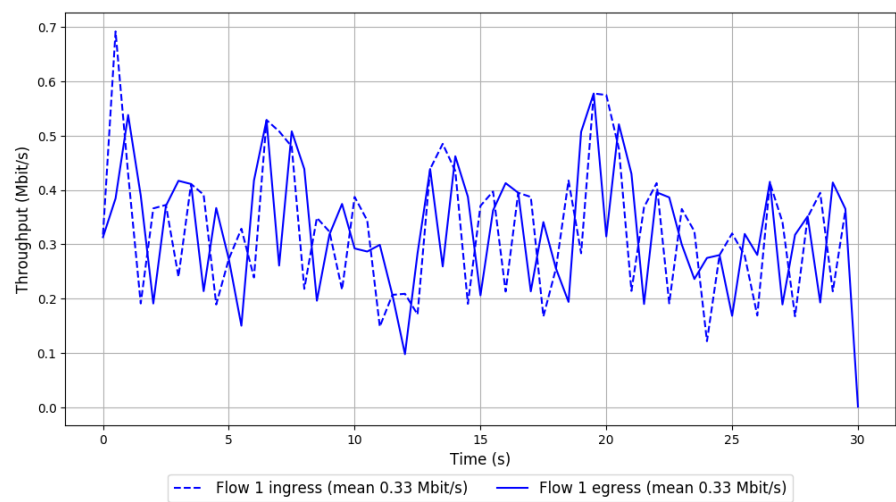
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 140.886 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-03-06 14:29:12

End at: 2018-03-06 14:29:42

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 140.678 ms

Loss rate: 0.00%

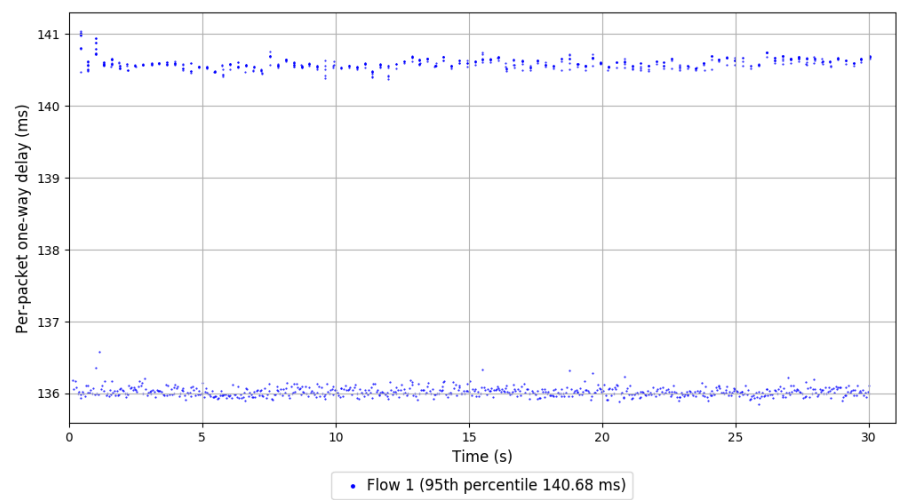
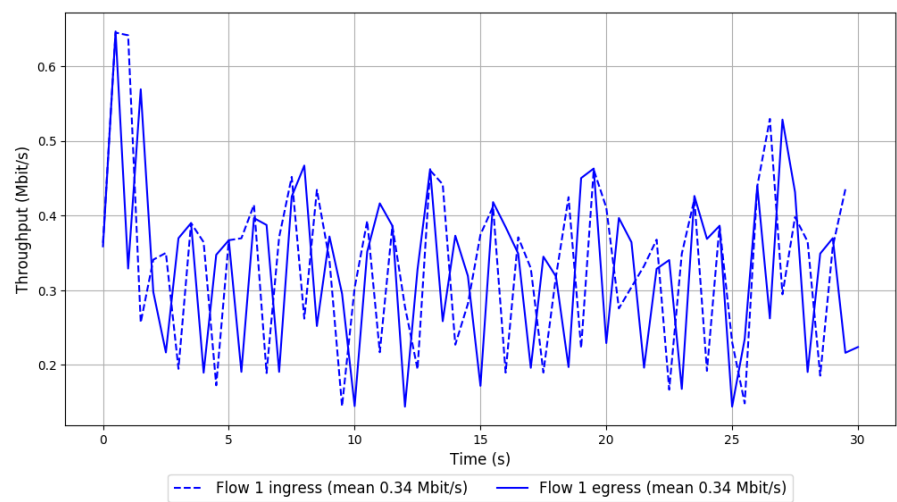
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 140.678 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

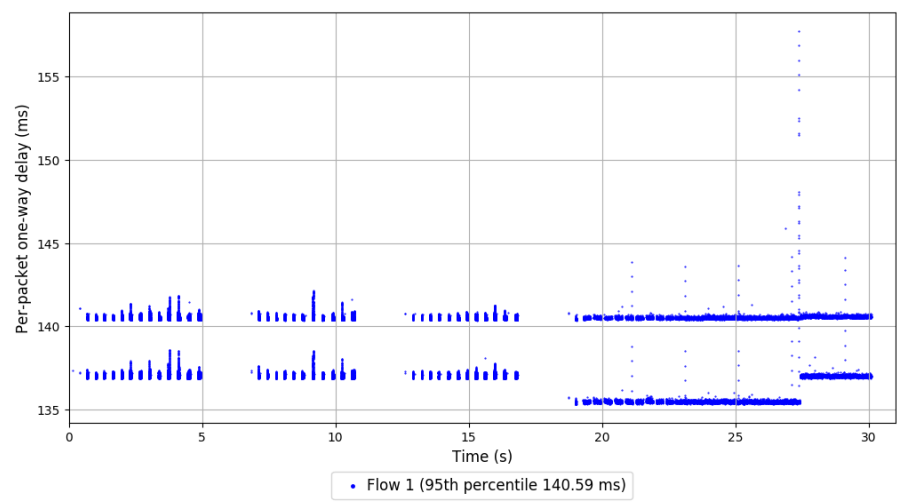
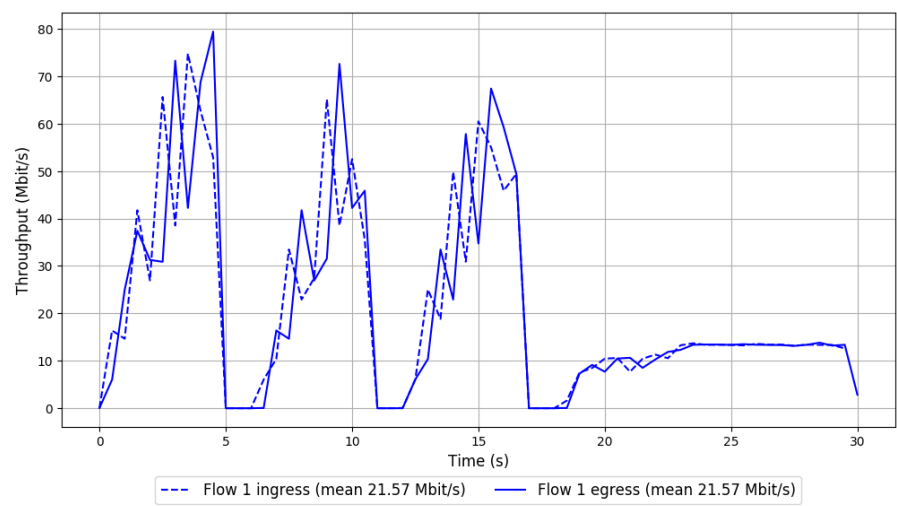


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-06 12:07:48
End at: 2018-03-06 12:08:18

# Below is generated by plot.py at 2018-03-06 16:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 140.587 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 140.587 ms
Loss rate: 0.01%
```

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

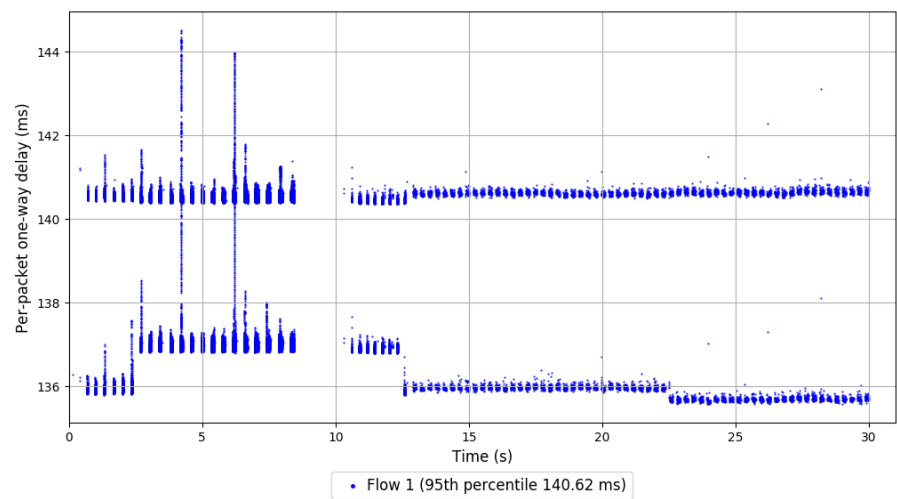
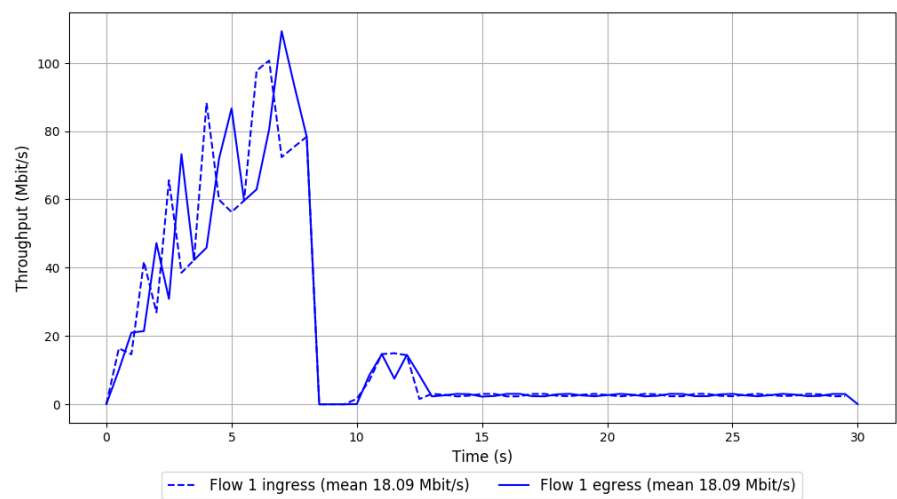


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-03-06 12:23:33
End at: 2018-03-06 12:24:03

# Below is generated by plot.py at 2018-03-06 16:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 140.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 140.621 ms
Loss rate: 0.00%
```

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

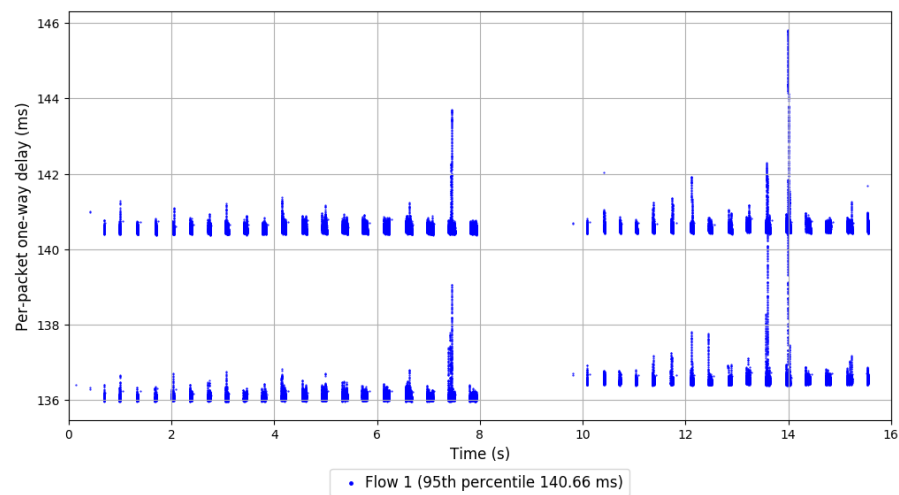
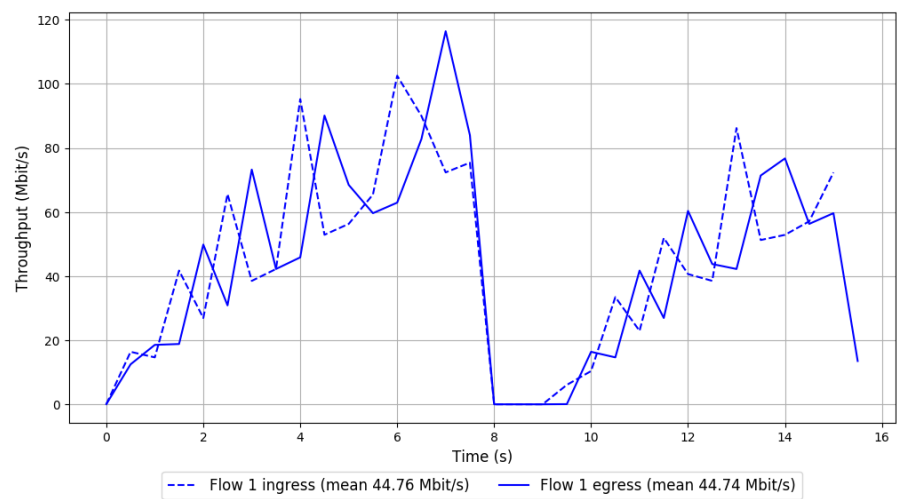


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-06 12:39:27

End at: 2018-03-06 12:39:57

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

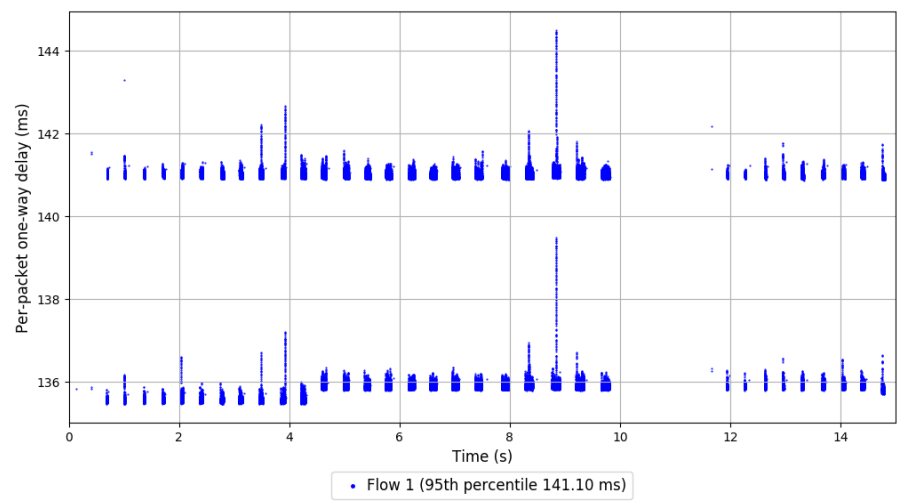
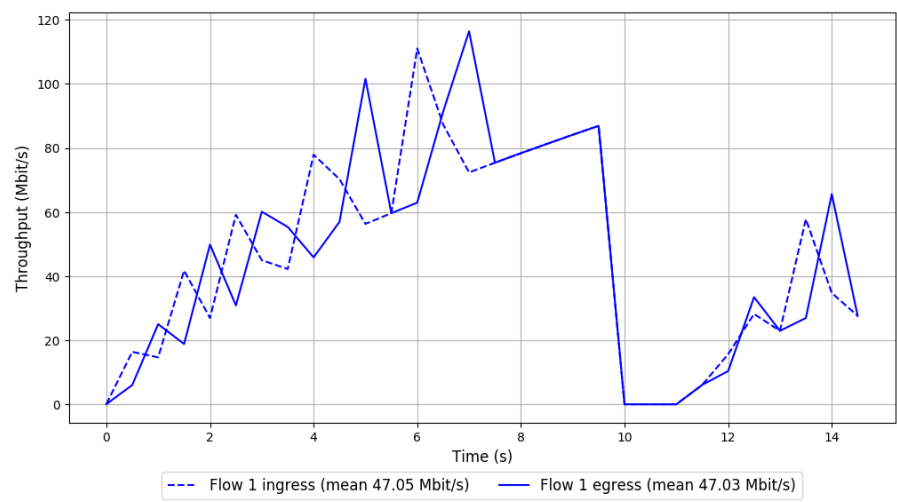


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-06 12:55:31

End at: 2018-03-06 12:56:01

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

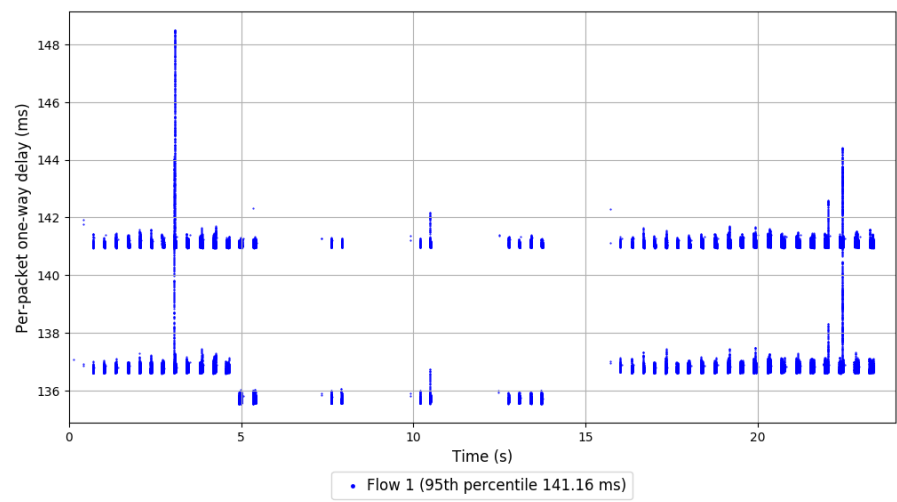
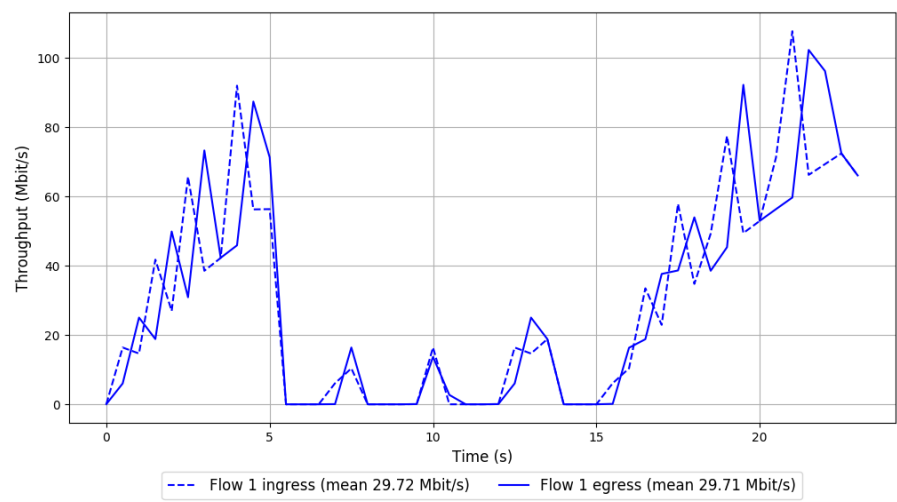


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-06 13:11:41

End at: 2018-03-06 13:12:11

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

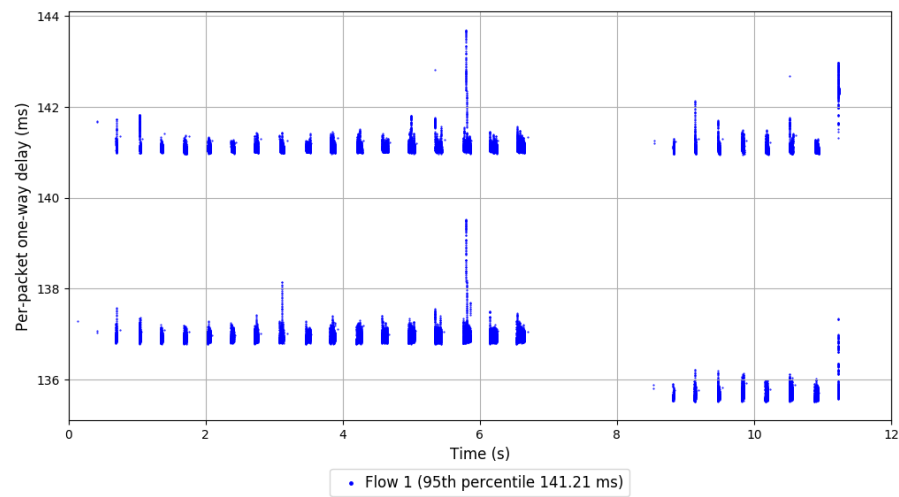
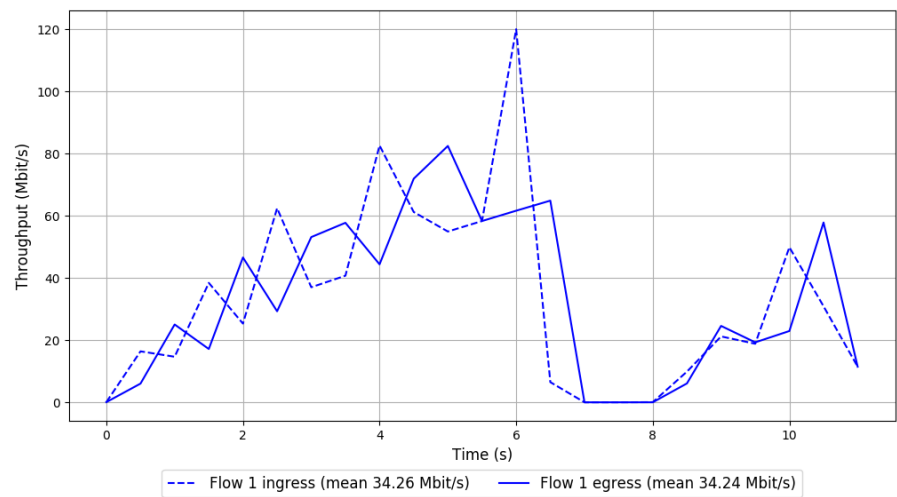


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-06 13:27:48

End at: 2018-03-06 13:28:18

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-03-06 13:43:49

End at: 2018-03-06 13:44:19

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 141.261 ms

Loss rate: 0.00%

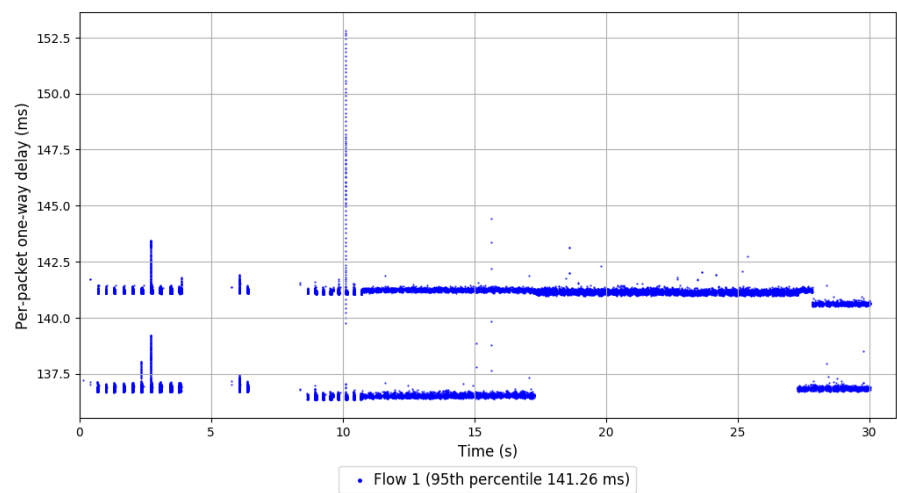
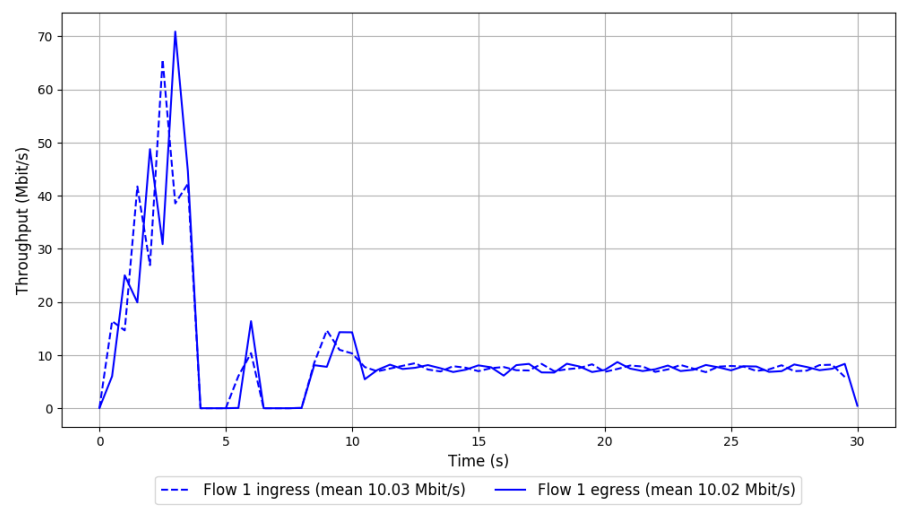
-- Flow 1:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 141.261 ms

Loss rate: 0.00%

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

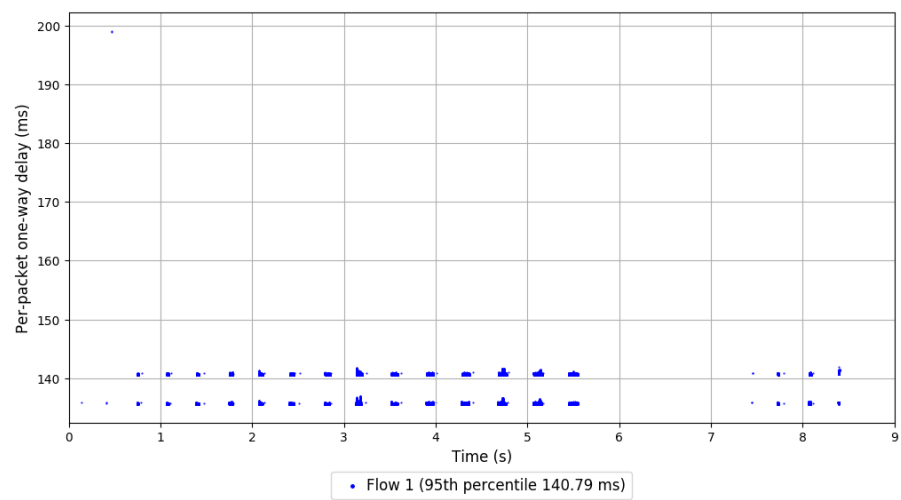
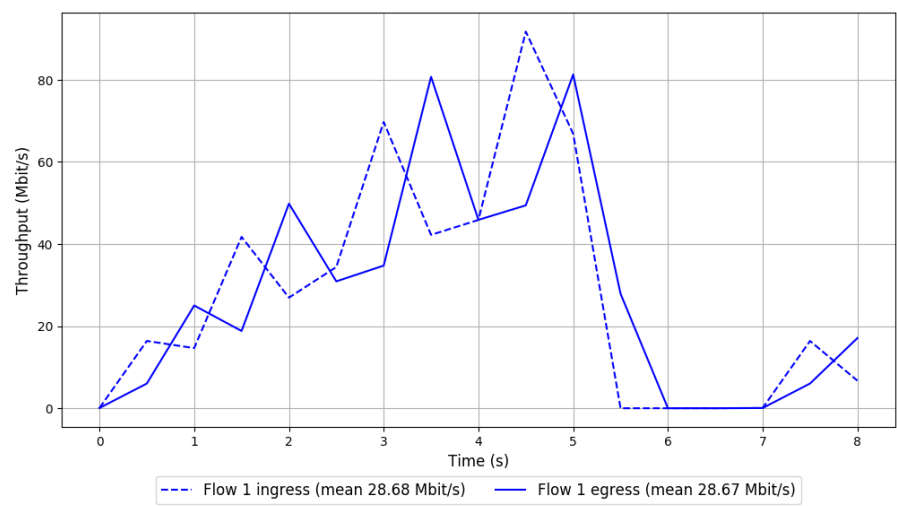


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-06 13:59:49

End at: 2018-03-06 14:00:19

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

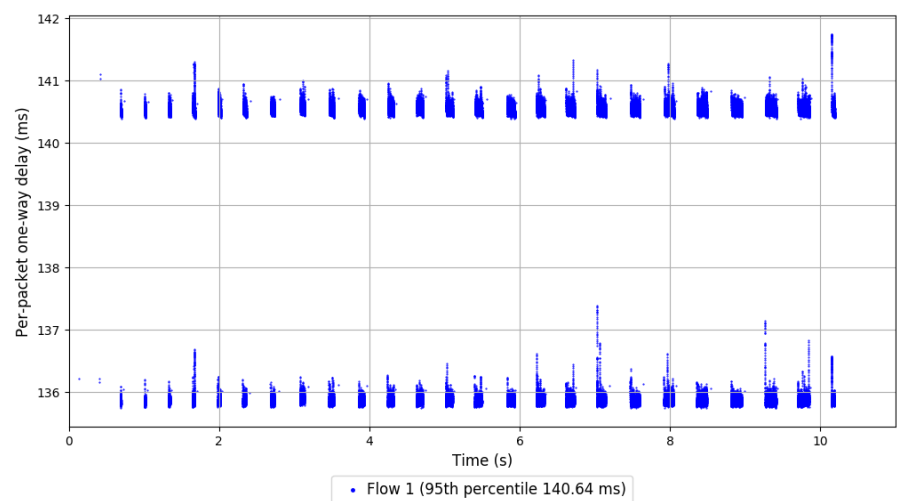
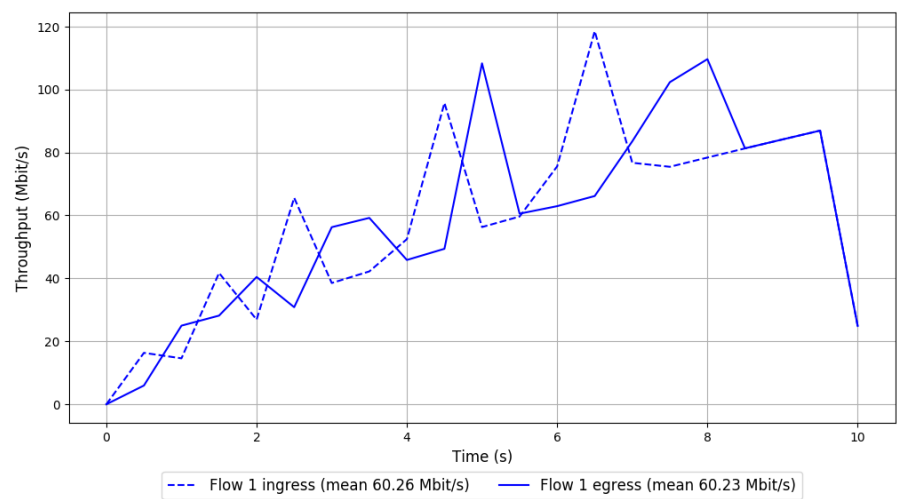


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-06 14:15:37

End at: 2018-03-06 14:16:07

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

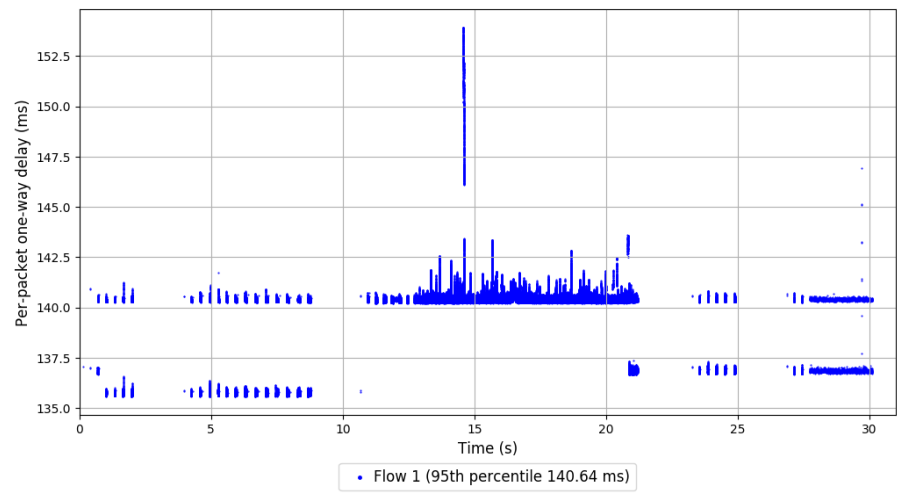
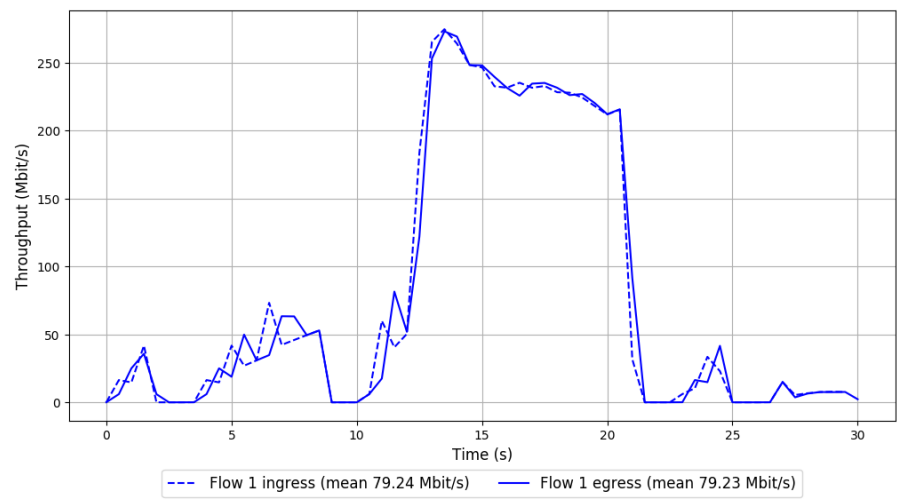


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-03-06 14:31:45
End at: 2018-03-06 14:32:15

# Below is generated by plot.py at 2018-03-06 16:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 140.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 140.640 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-03-06 12:10:13

End at: 2018-03-06 12:10:43

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.65 Mbit/s

95th percentile per-packet one-way delay: 141.722 ms

Loss rate: 0.00%

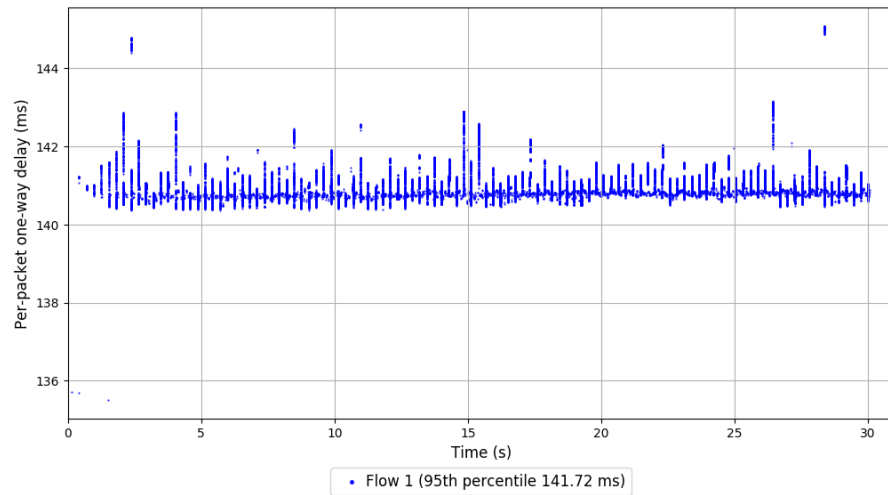
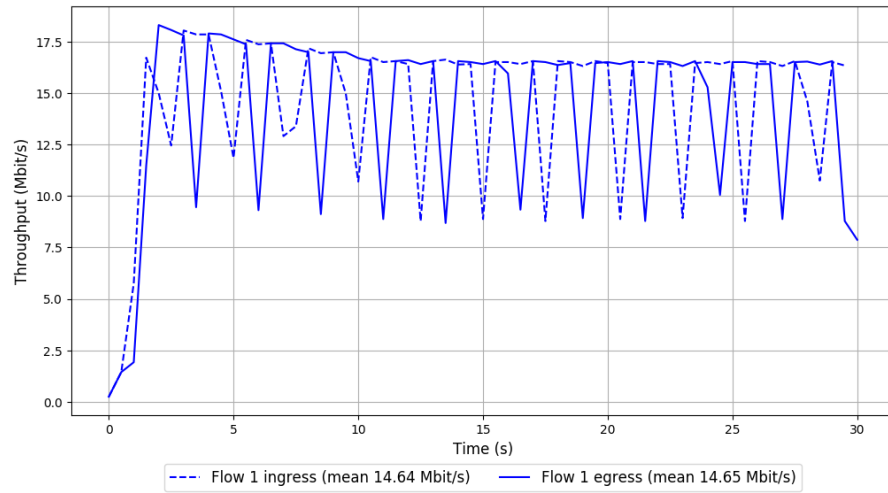
-- Flow 1:

Average throughput: 14.65 Mbit/s

95th percentile per-packet one-way delay: 141.722 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-03-06 12:26:06

End at: 2018-03-06 12:26:36

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 141.558 ms

Loss rate: 0.00%

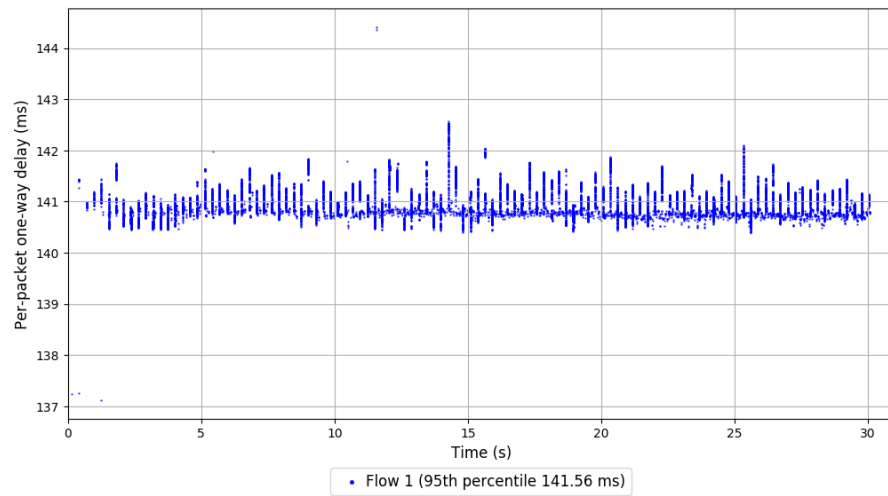
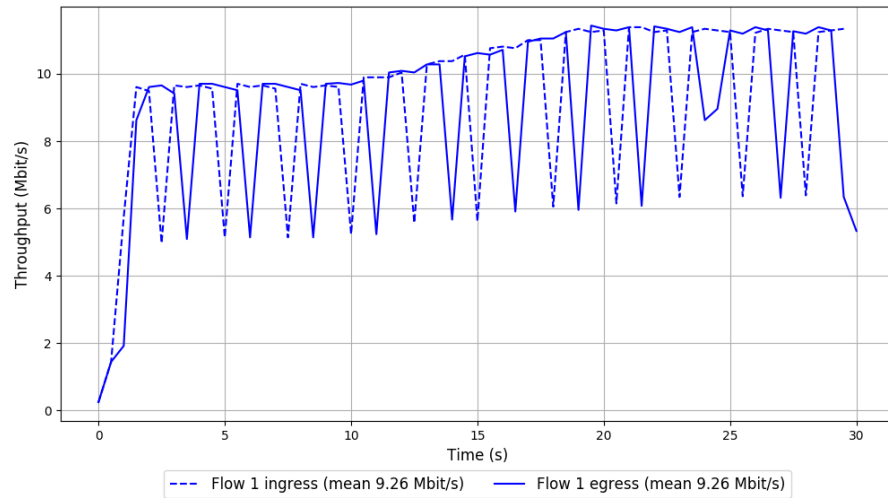
-- Flow 1:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 141.558 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-03-06 12:42:06

End at: 2018-03-06 12:42:36

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 141.596 ms

Loss rate: 0.00%

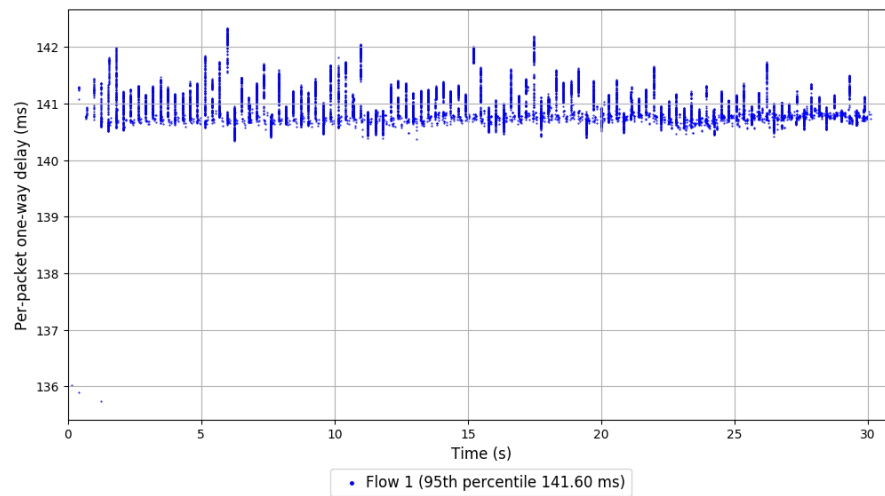
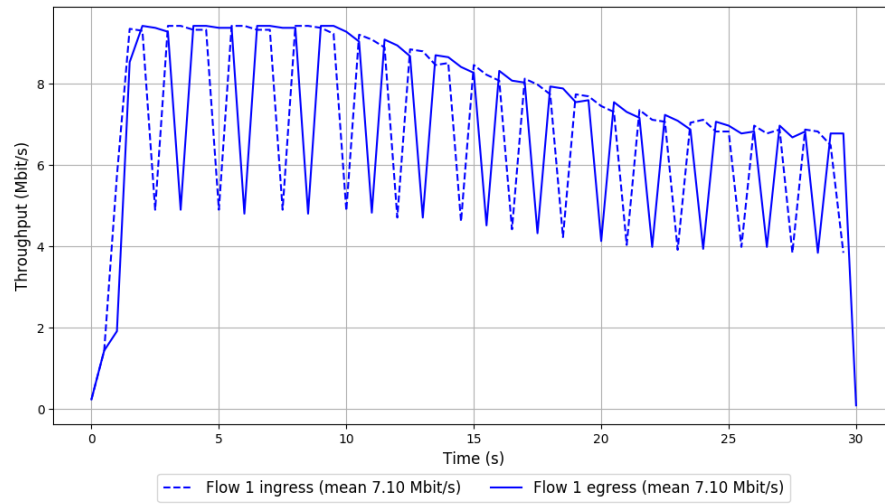
-- Flow 1:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 141.596 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-03-06 12:58:07

End at: 2018-03-06 12:58:37

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.52 Mbit/s

95th percentile per-packet one-way delay: 143.257 ms

Loss rate: 0.00%

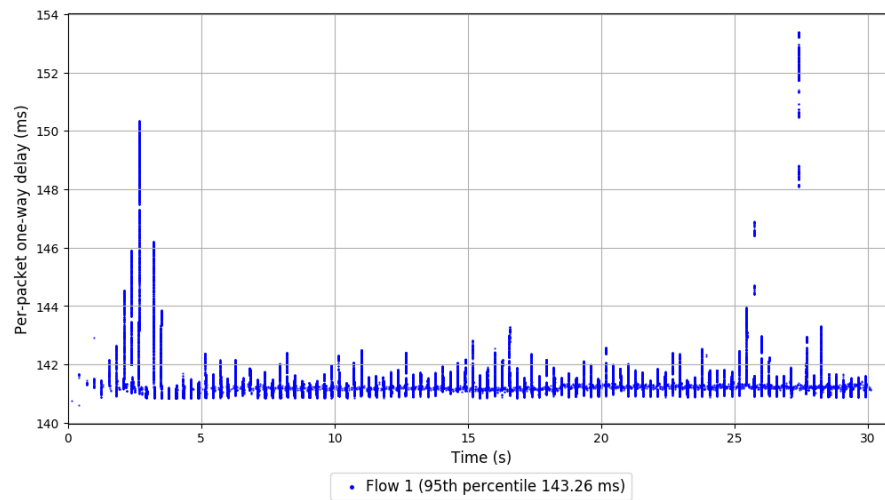
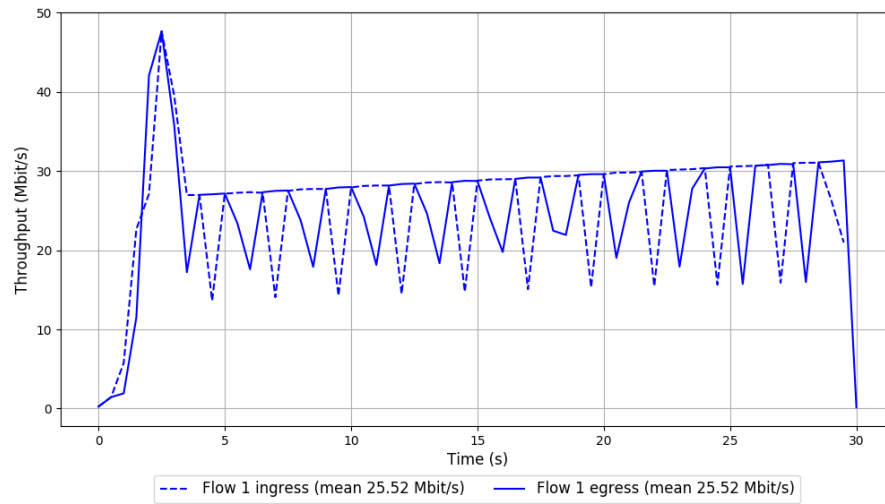
-- Flow 1:

Average throughput: 25.52 Mbit/s

95th percentile per-packet one-way delay: 143.257 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-03-06 13:14:22

End at: 2018-03-06 13:14:52

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.51 Mbit/s

95th percentile per-packet one-way delay: 143.205 ms

Loss rate: 0.09%

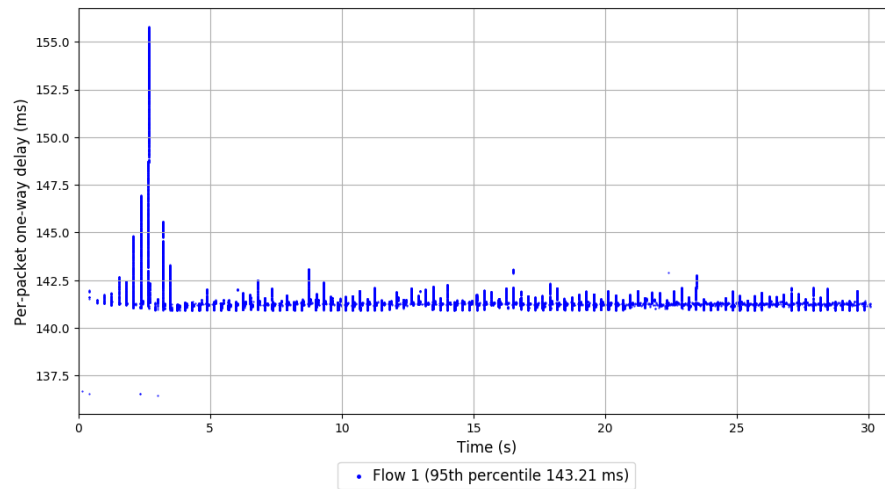
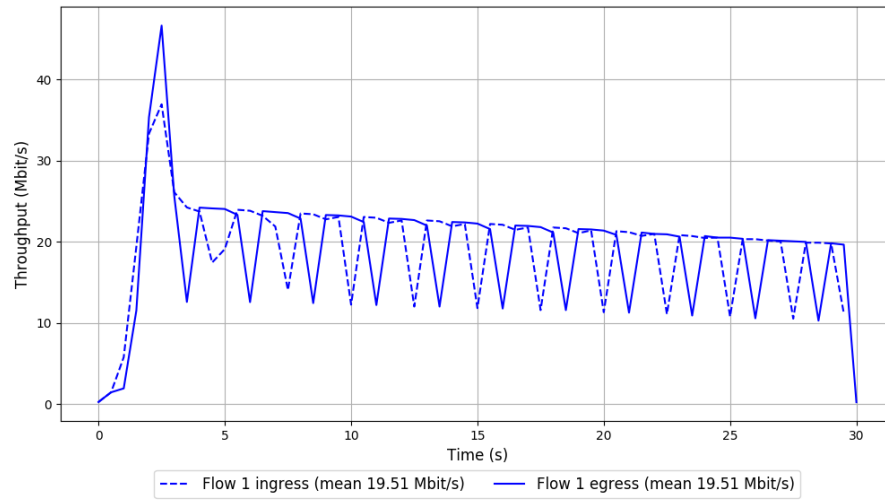
-- Flow 1:

Average throughput: 19.51 Mbit/s

95th percentile per-packet one-way delay: 143.205 ms

Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-03-06 13:30:26

End at: 2018-03-06 13:30:56

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 141.904 ms

Loss rate: 0.00%

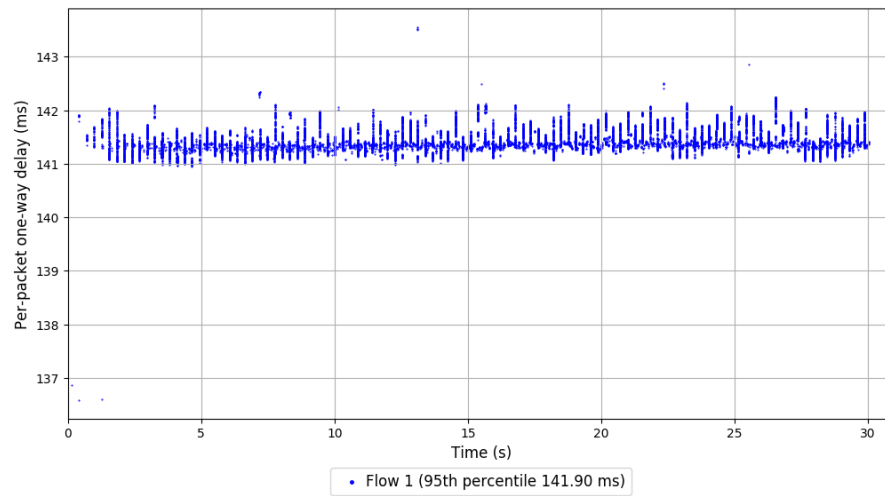
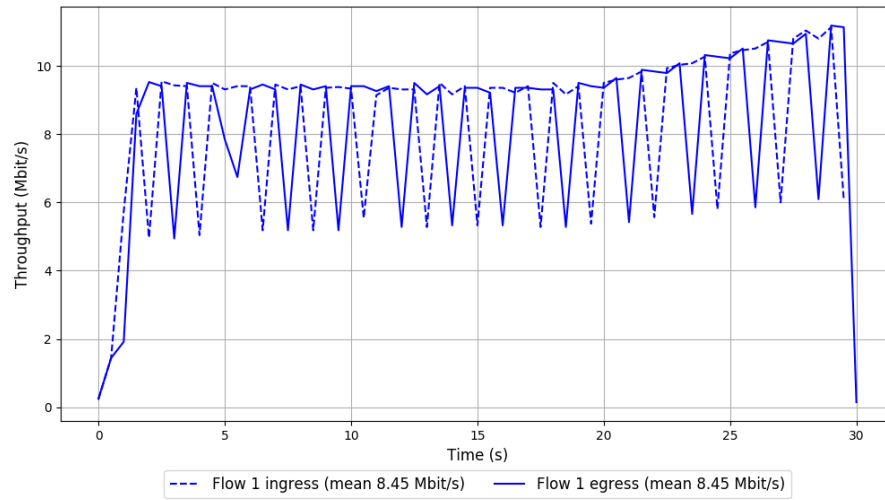
-- Flow 1:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 141.904 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-03-06 13:46:28

End at: 2018-03-06 13:46:58

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.94 Mbit/s

95th percentile per-packet one-way delay: 141.545 ms

Loss rate: 0.00%

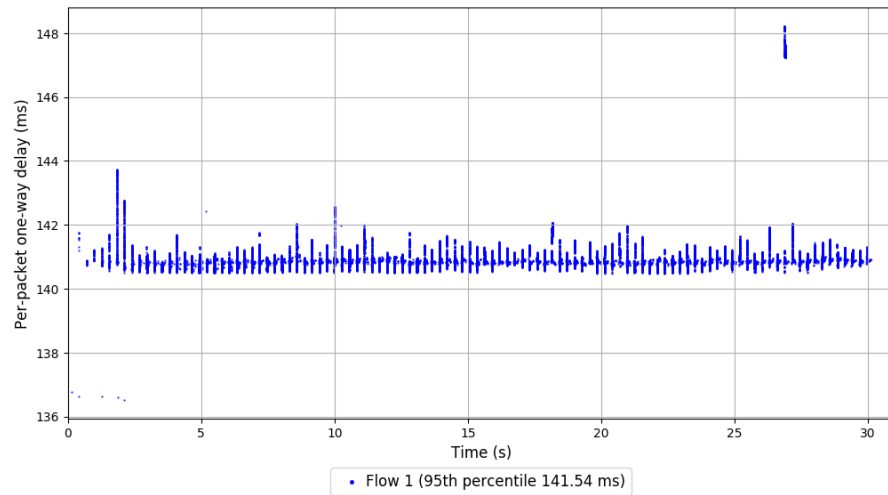
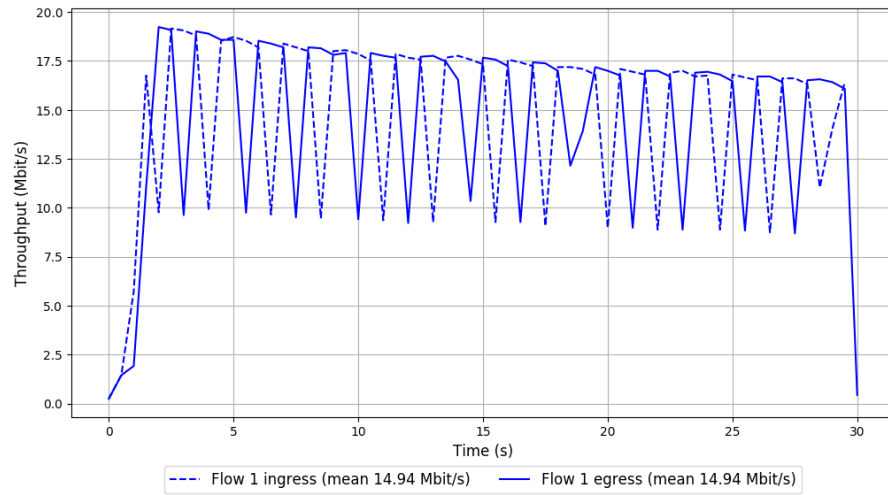
-- Flow 1:

Average throughput: 14.94 Mbit/s

95th percentile per-packet one-way delay: 141.545 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-03-06 14:02:28

End at: 2018-03-06 14:02:58

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.22 Mbit/s

95th percentile per-packet one-way delay: 141.660 ms

Loss rate: 0.00%

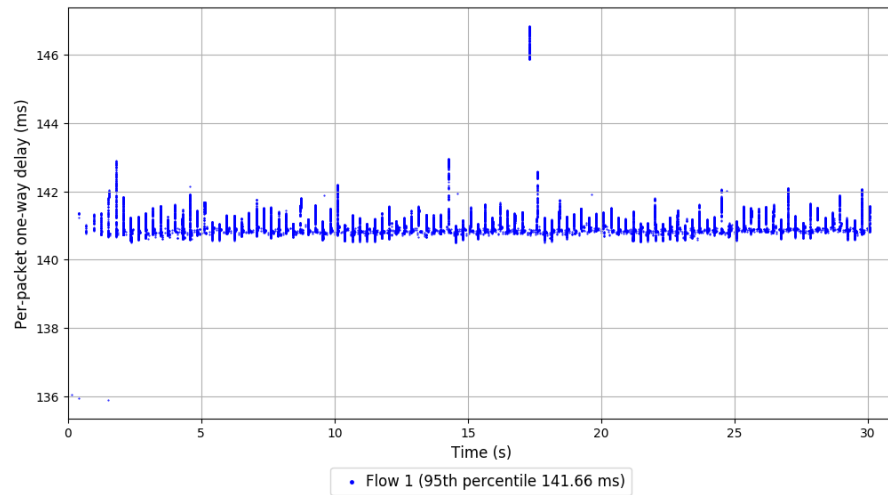
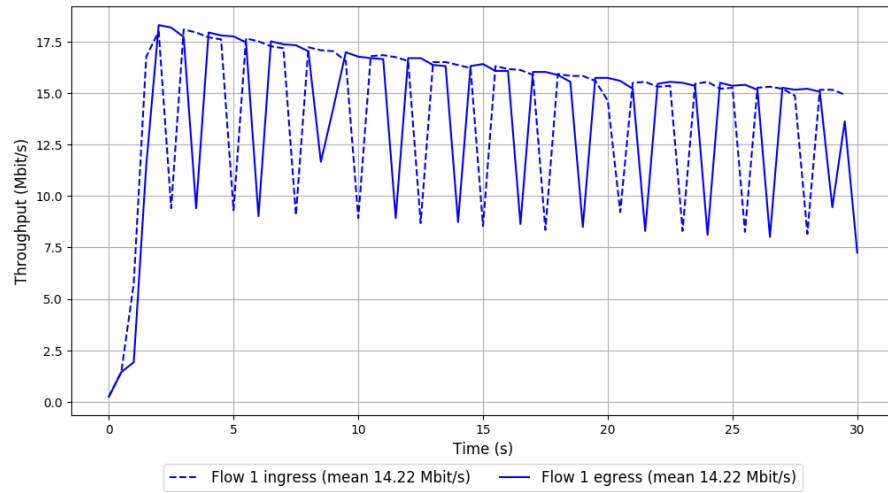
-- Flow 1:

Average throughput: 14.22 Mbit/s

95th percentile per-packet one-way delay: 141.660 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-03-06 14:18:17

End at: 2018-03-06 14:18:47

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.83 Mbit/s

95th percentile per-packet one-way delay: 141.979 ms

Loss rate: 0.00%

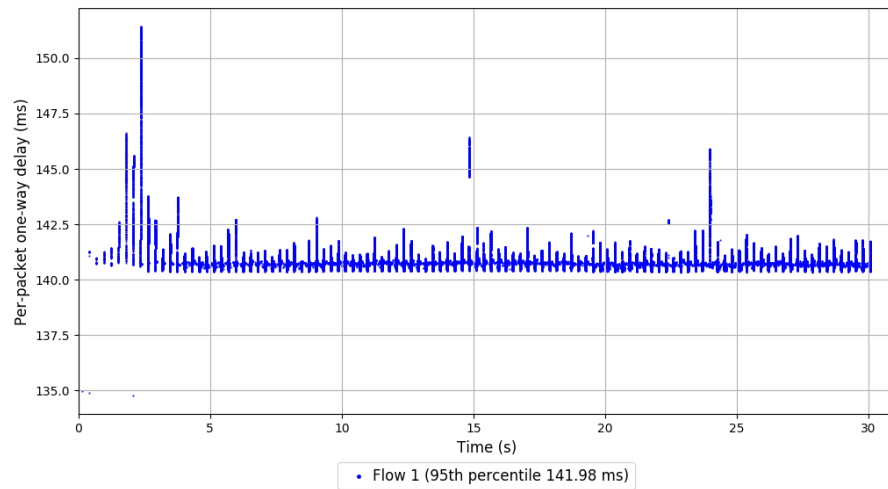
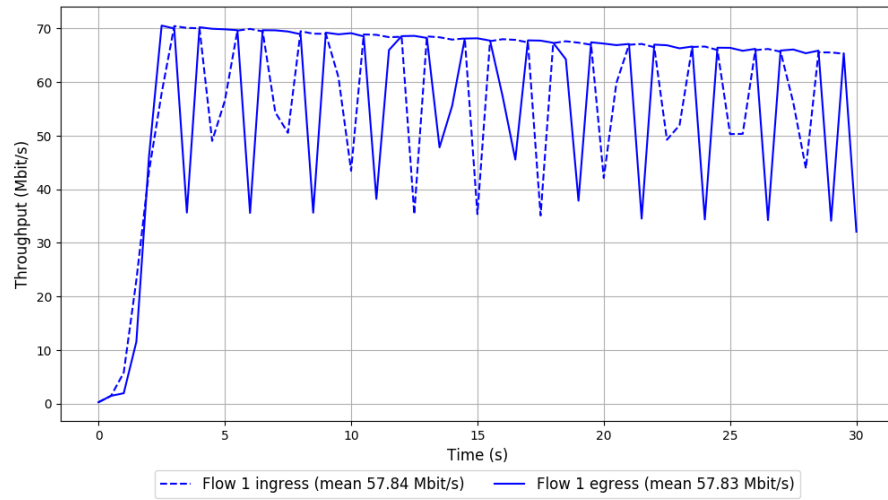
-- Flow 1:

Average throughput: 57.83 Mbit/s

95th percentile per-packet one-way delay: 141.979 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-06 14:34:26

End at: 2018-03-06 14:34:56

Below is generated by plot.py at 2018-03-06 16:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.01 Mbit/s

95th percentile per-packet one-way delay: 141.241 ms

Loss rate: 0.00%

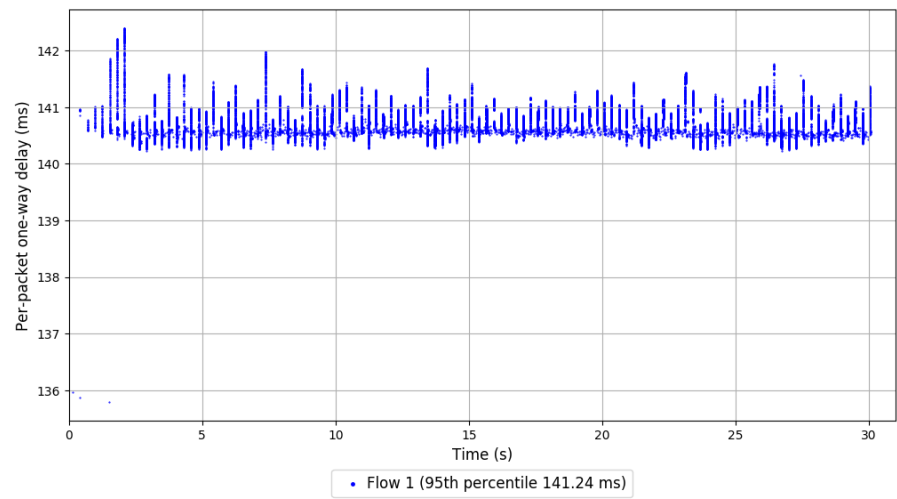
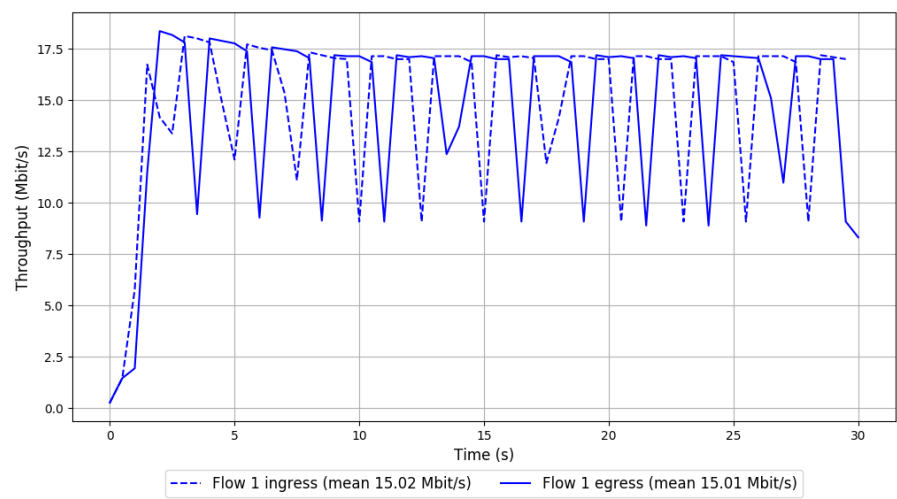
-- Flow 1:

Average throughput: 15.01 Mbit/s

95th percentile per-packet one-way delay: 141.241 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-03-06 11:57:58

End at: 2018-03-06 11:58:28

Below is generated by plot.py at 2018-03-06 16:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.56 Mbit/s

95th percentile per-packet one-way delay: 184.131 ms

Loss rate: 1.19%

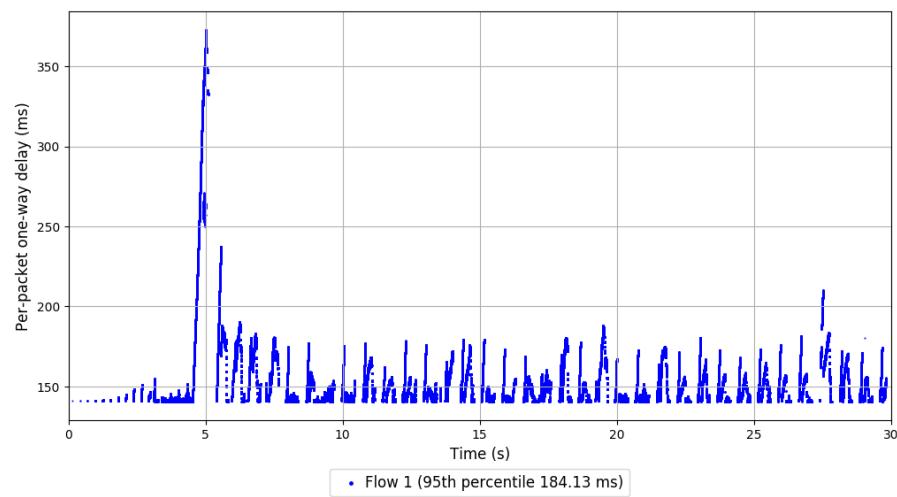
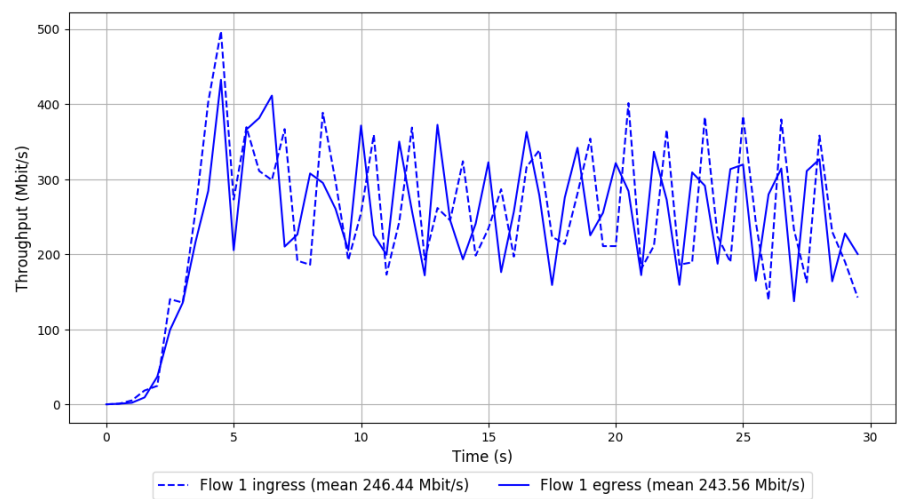
-- Flow 1:

Average throughput: 243.56 Mbit/s

95th percentile per-packet one-way delay: 184.131 ms

Loss rate: 1.19%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-03-06 12:13:54

End at: 2018-03-06 12:14:24

Below is generated by plot.py at 2018-03-06 16:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.56 Mbit/s

95th percentile per-packet one-way delay: 147.506 ms

Loss rate: 0.05%

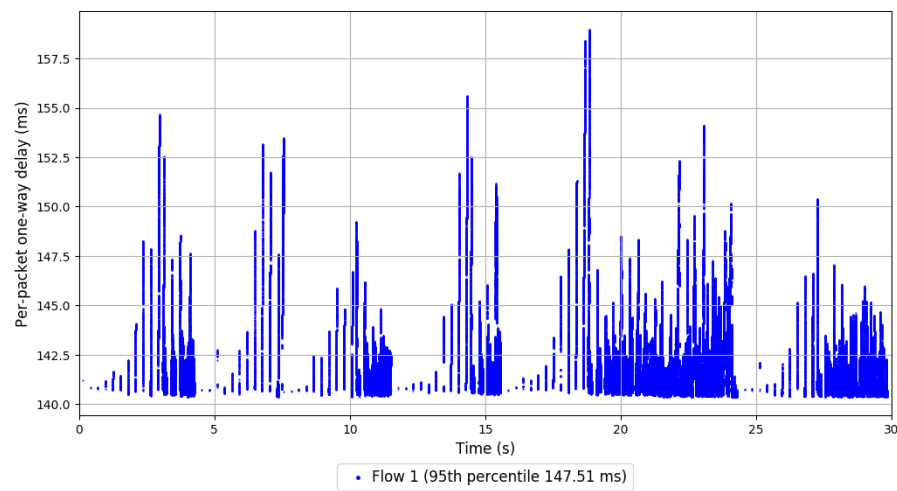
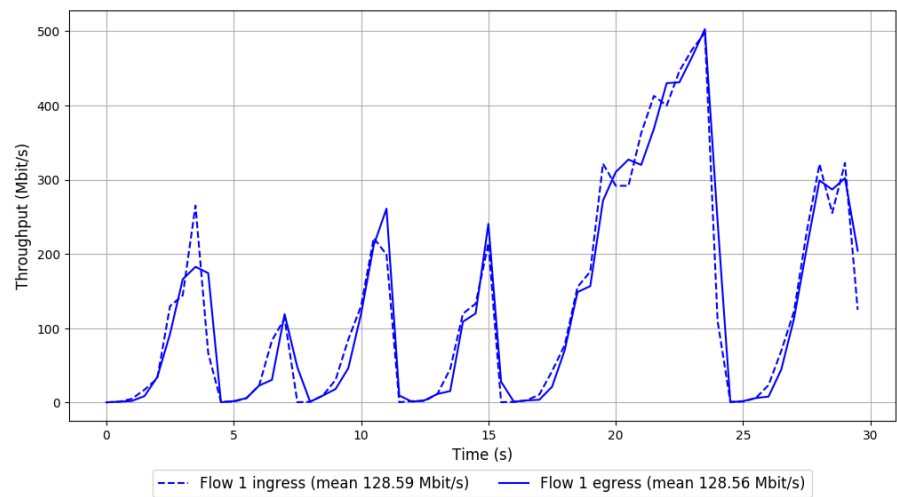
-- Flow 1:

Average throughput: 128.56 Mbit/s

95th percentile per-packet one-way delay: 147.506 ms

Loss rate: 0.05%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-03-06 12:29:48

End at: 2018-03-06 12:30:18

Below is generated by plot.py at 2018-03-06 16:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.18 Mbit/s

95th percentile per-packet one-way delay: 184.171 ms

Loss rate: 0.84%

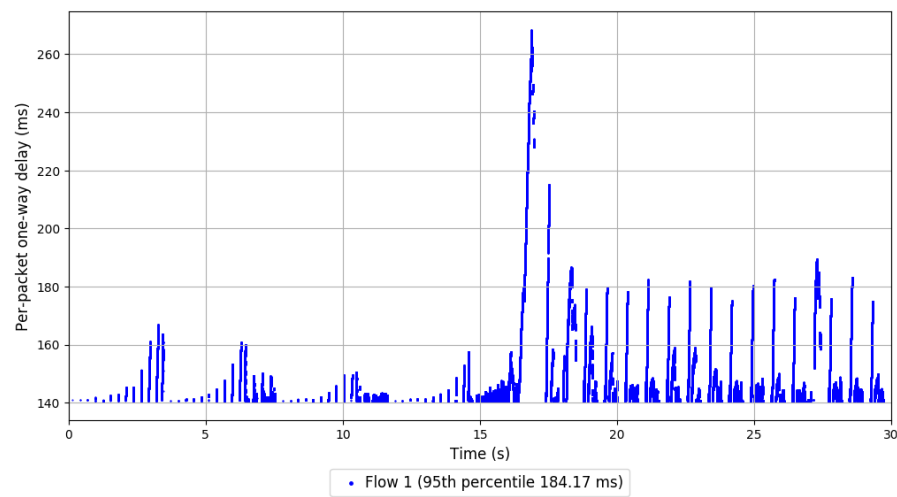
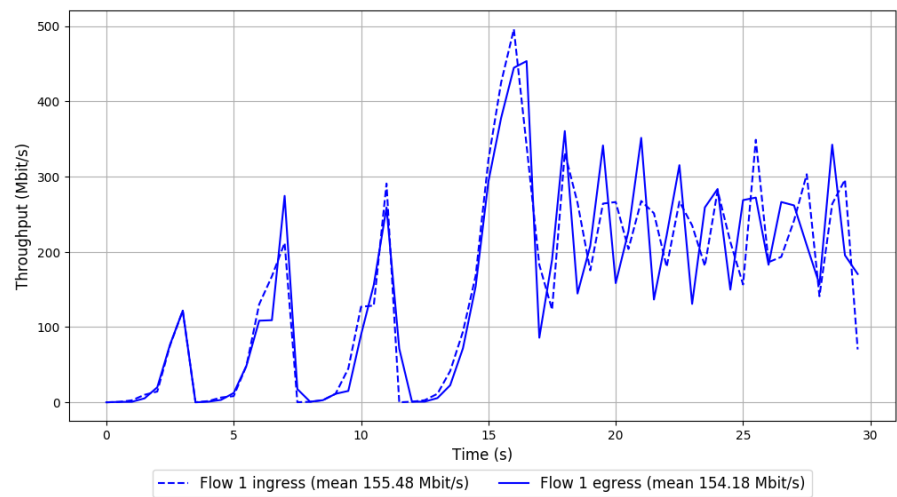
-- Flow 1:

Average throughput: 154.18 Mbit/s

95th percentile per-packet one-way delay: 184.171 ms

Loss rate: 0.84%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-03-06 12:45:41

End at: 2018-03-06 12:46:11

Below is generated by plot.py at 2018-03-06 16:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.04 Mbit/s

95th percentile per-packet one-way delay: 261.557 ms

Loss rate: 1.96%

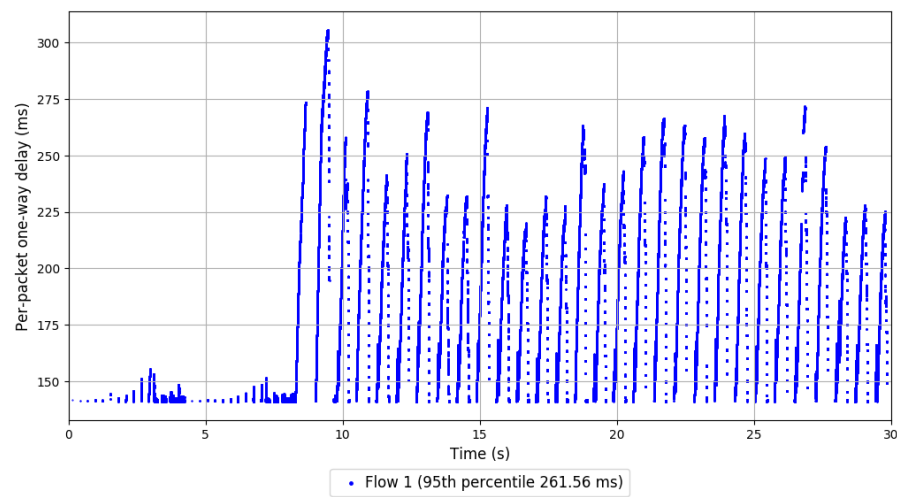
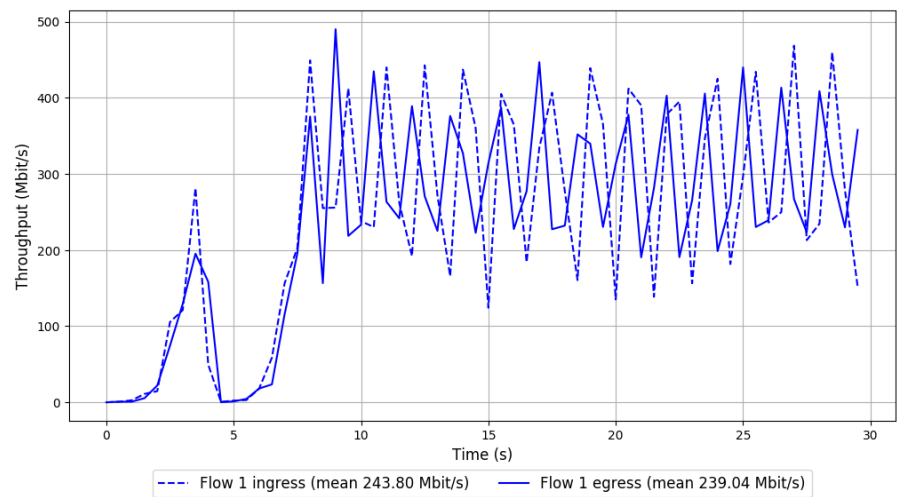
-- Flow 1:

Average throughput: 239.04 Mbit/s

95th percentile per-packet one-way delay: 261.557 ms

Loss rate: 1.96%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-03-06 13:01:50

End at: 2018-03-06 13:02:20

Below is generated by plot.py at 2018-03-06 16:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.29 Mbit/s

95th percentile per-packet one-way delay: 216.122 ms

Loss rate: 0.00%

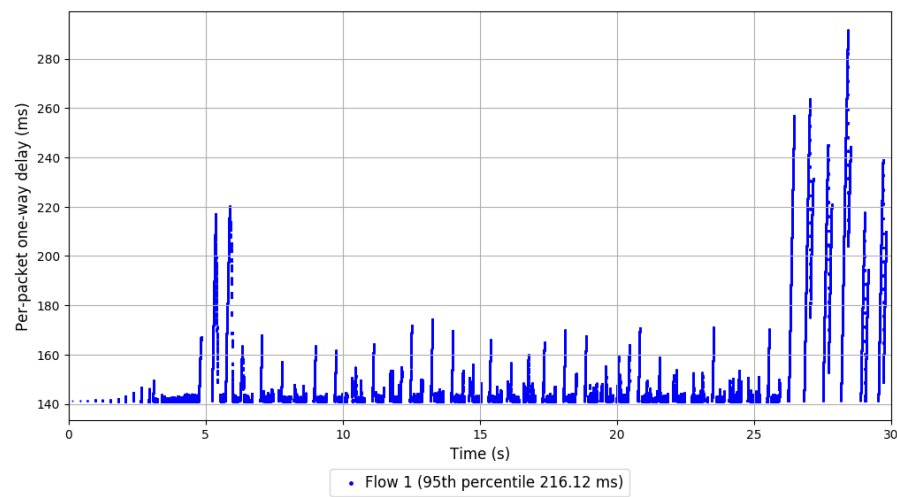
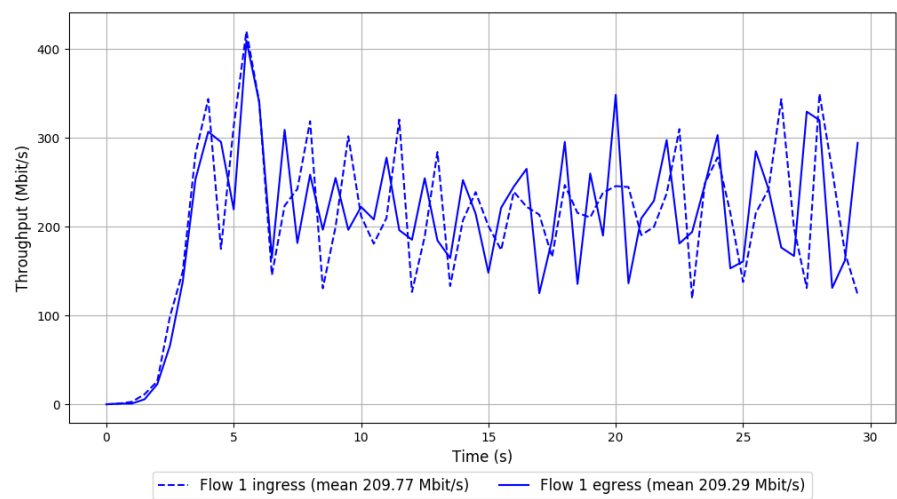
-- Flow 1:

Average throughput: 209.29 Mbit/s

95th percentile per-packet one-way delay: 216.122 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-03-06 13:18:01

End at: 2018-03-06 13:18:31

Below is generated by plot.py at 2018-03-06 16:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.21 Mbit/s

95th percentile per-packet one-way delay: 214.710 ms

Loss rate: 0.63%

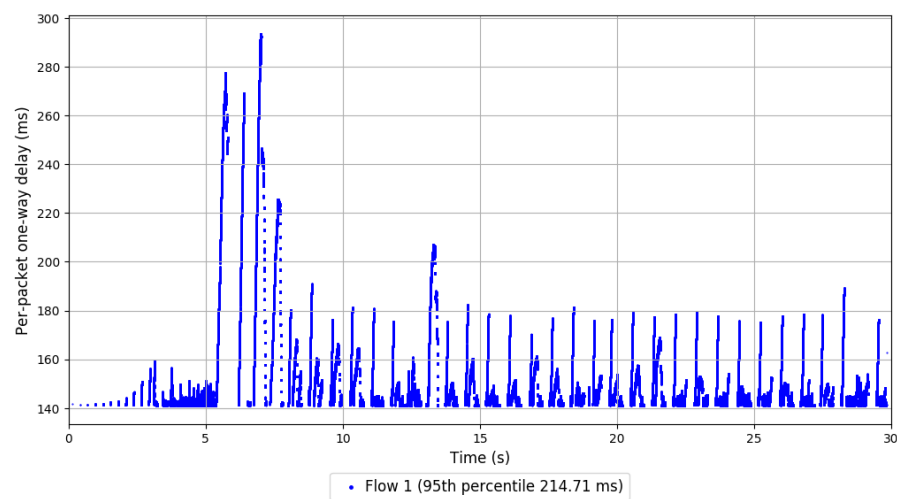
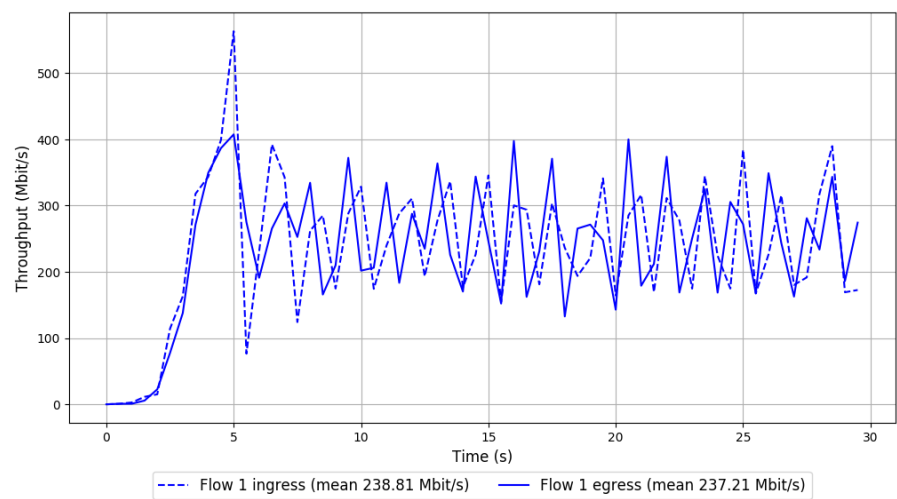
-- Flow 1:

Average throughput: 237.21 Mbit/s

95th percentile per-packet one-way delay: 214.710 ms

Loss rate: 0.63%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-03-06 13:34:05

End at: 2018-03-06 13:34:35

Below is generated by plot.py at 2018-03-06 16:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.50 Mbit/s

95th percentile per-packet one-way delay: 216.849 ms

Loss rate: 0.67%

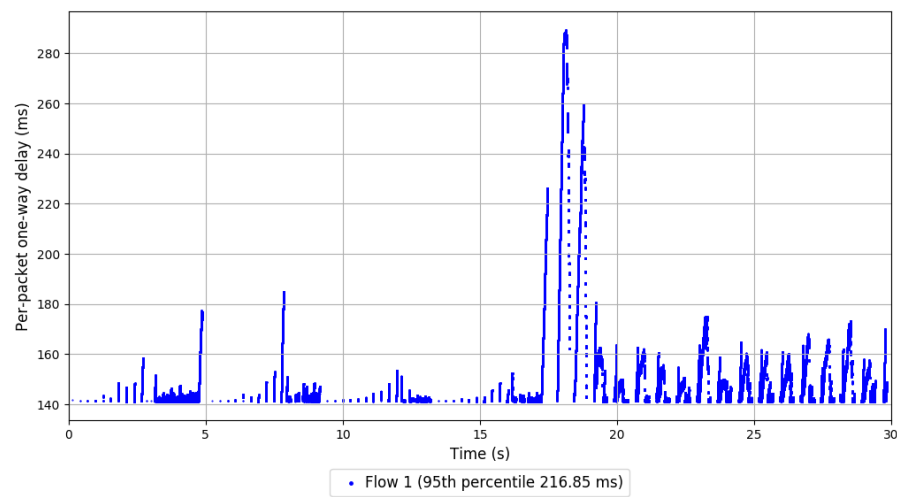
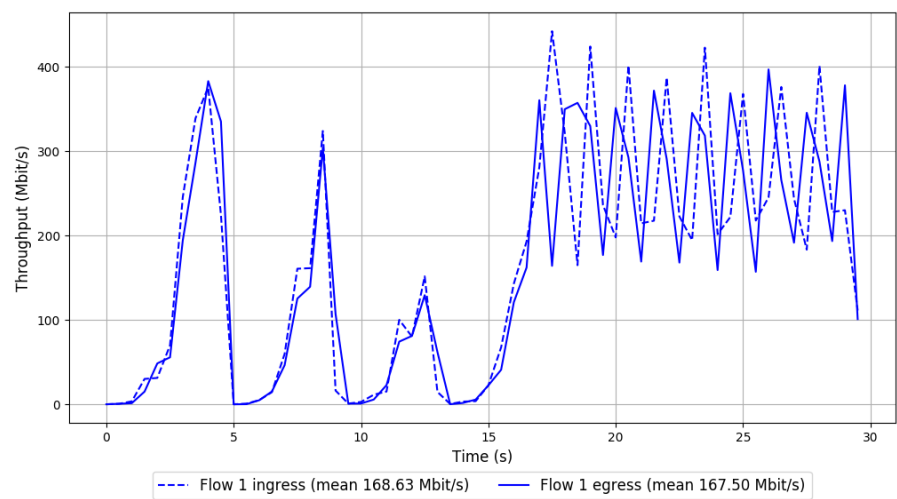
-- Flow 1:

Average throughput: 167.50 Mbit/s

95th percentile per-packet one-way delay: 216.849 ms

Loss rate: 0.67%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-03-06 13:50:06

End at: 2018-03-06 13:50:36

Below is generated by plot.py at 2018-03-06 16:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.52 Mbit/s

95th percentile per-packet one-way delay: 260.198 ms

Loss rate: 2.71%

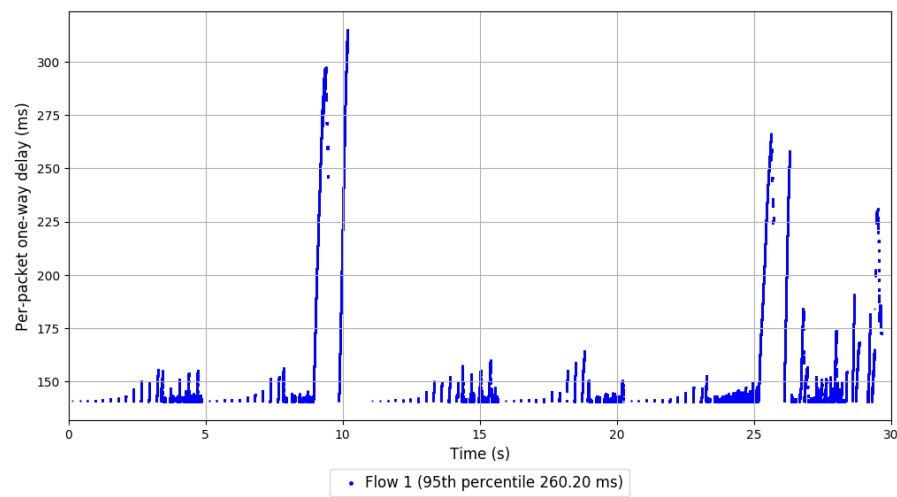
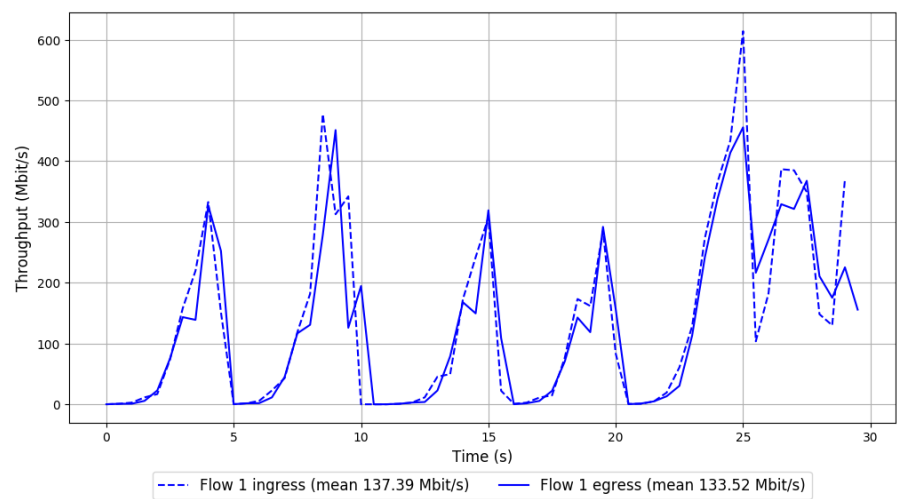
-- Flow 1:

Average throughput: 133.52 Mbit/s

95th percentile per-packet one-way delay: 260.198 ms

Loss rate: 2.71%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-03-06 14:06:02

End at: 2018-03-06 14:06:32

Below is generated by plot.py at 2018-03-06 16:13:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.42 Mbit/s

95th percentile per-packet one-way delay: 171.768 ms

Loss rate: 0.05%

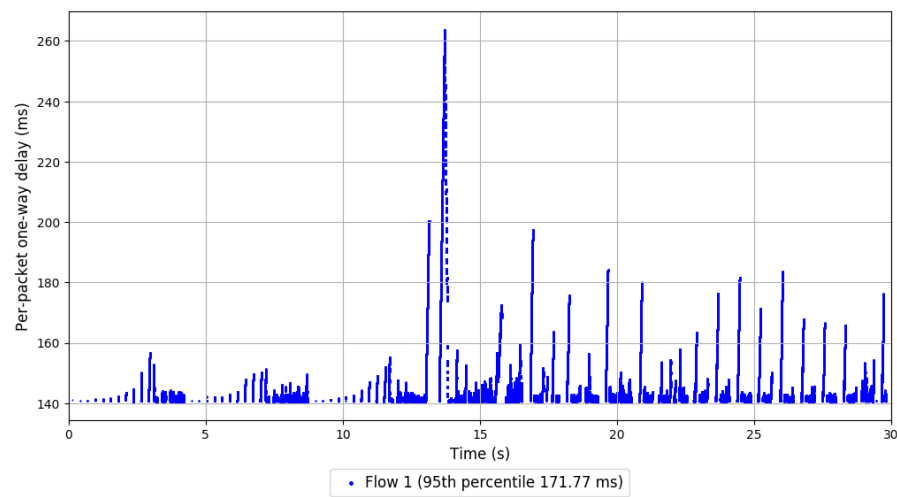
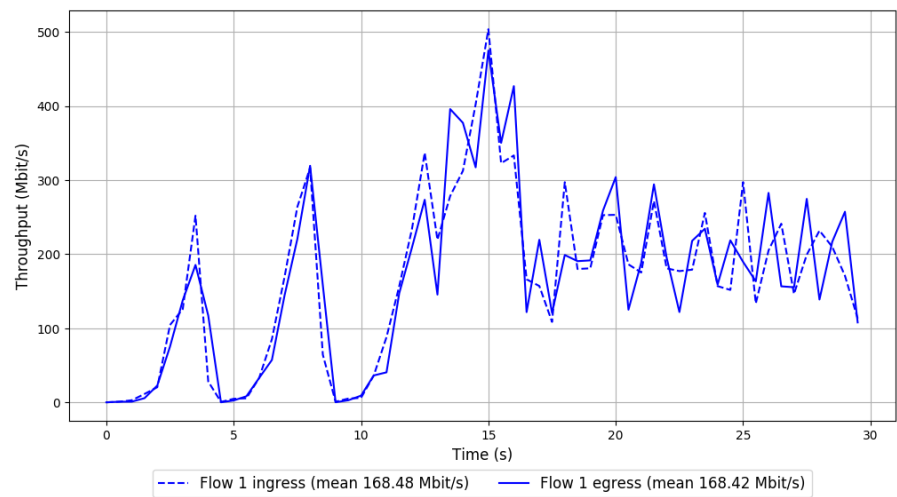
-- Flow 1:

Average throughput: 168.42 Mbit/s

95th percentile per-packet one-way delay: 171.768 ms

Loss rate: 0.05%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-03-06 14:21:59

End at: 2018-03-06 14:22:29

Below is generated by plot.py at 2018-03-06 16:13:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.73 Mbit/s

95th percentile per-packet one-way delay: 168.757 ms

Loss rate: 0.00%

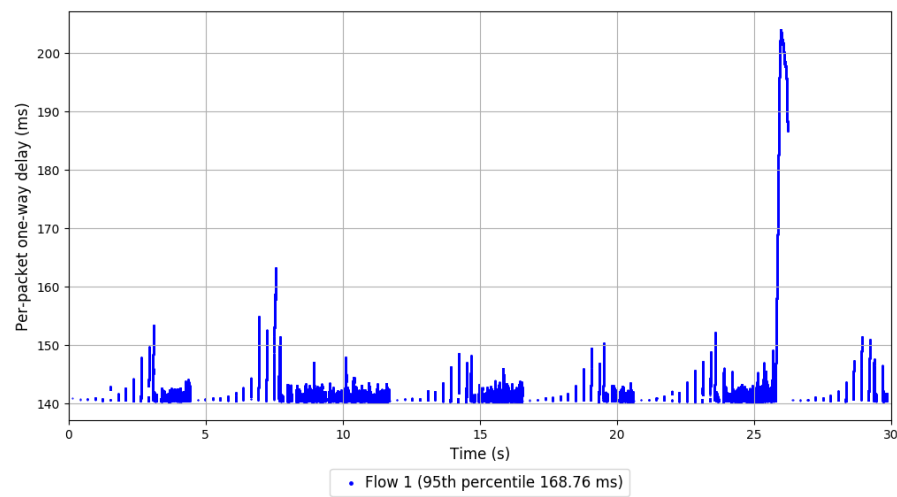
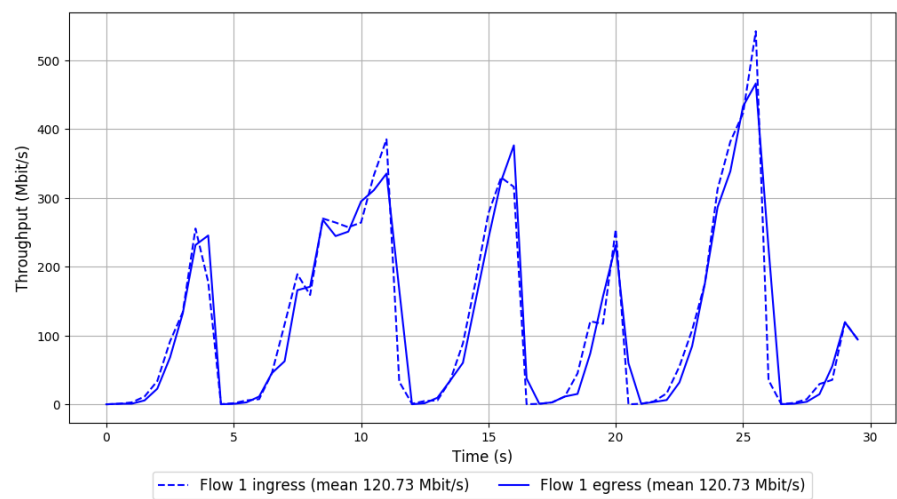
-- Flow 1:

Average throughput: 120.73 Mbit/s

95th percentile per-packet one-way delay: 168.757 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-06 12:03:04

End at: 2018-03-06 12:03:34

Below is generated by plot.py at 2018-03-06 16:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.46 Mbit/s

95th percentile per-packet one-way delay: 140.575 ms

Loss rate: 0.03%

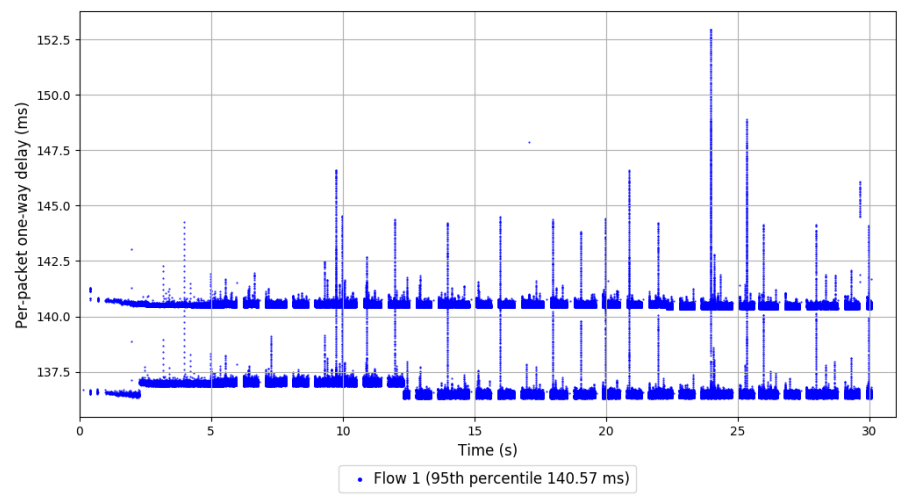
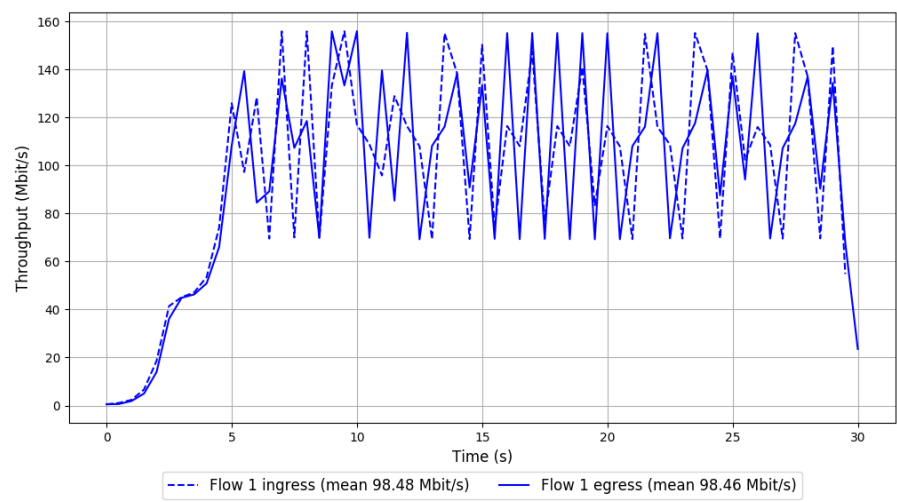
-- Flow 1:

Average throughput: 98.46 Mbit/s

95th percentile per-packet one-way delay: 140.575 ms

Loss rate: 0.03%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-03-06 12:18:49

End at: 2018-03-06 12:19:19

Below is generated by plot.py at 2018-03-06 16:14:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.16 Mbit/s

95th percentile per-packet one-way delay: 194.511 ms

Loss rate: 6.98%

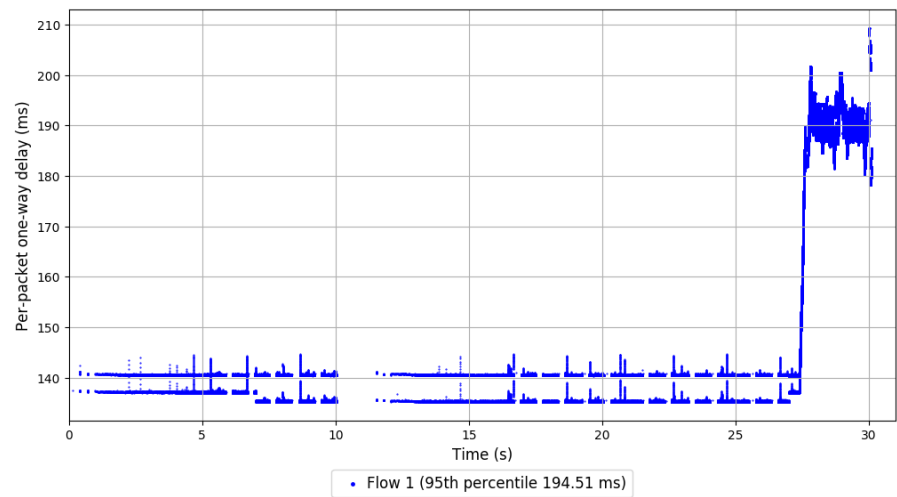
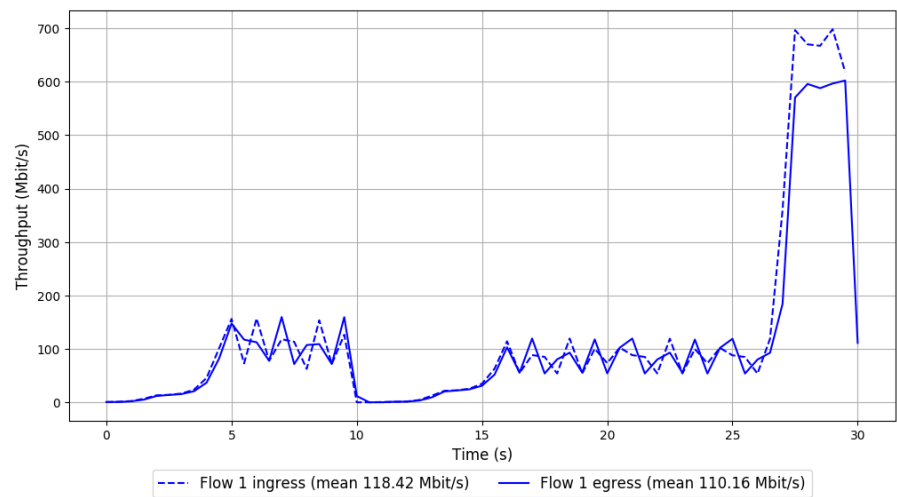
-- Flow 1:

Average throughput: 110.16 Mbit/s

95th percentile per-packet one-way delay: 194.511 ms

Loss rate: 6.98%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-03-06 12:34:43

End at: 2018-03-06 12:35:13

Below is generated by plot.py at 2018-03-06 16:14:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.86 Mbit/s

95th percentile per-packet one-way delay: 140.585 ms

Loss rate: 0.01%

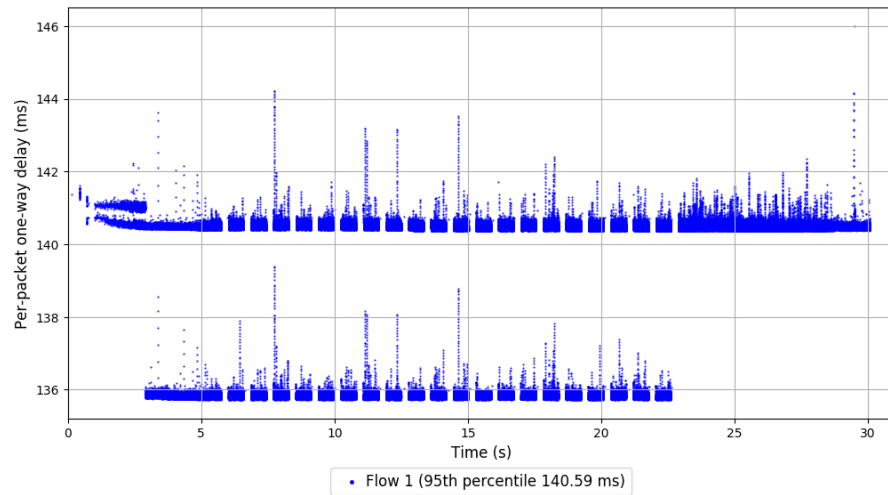
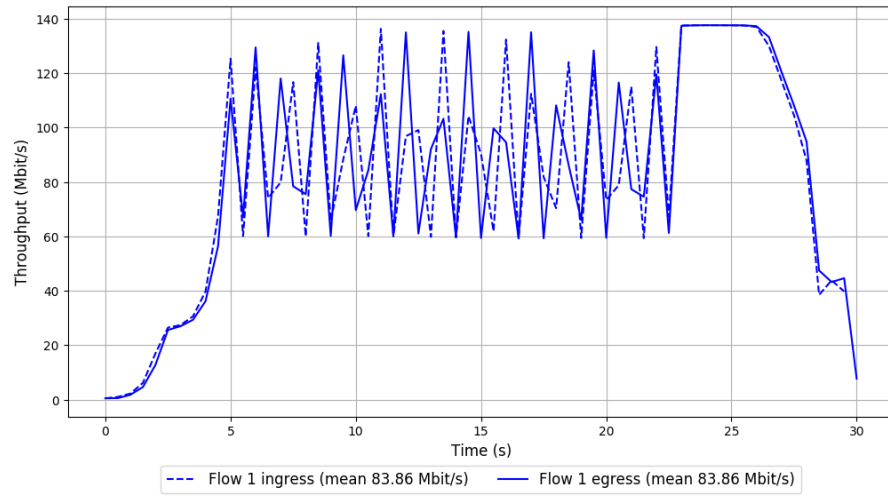
-- Flow 1:

Average throughput: 83.86 Mbit/s

95th percentile per-packet one-way delay: 140.585 ms

Loss rate: 0.01%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-03-06 12:50:44

End at: 2018-03-06 12:51:14

Below is generated by plot.py at 2018-03-06 16:14:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.62 Mbit/s

95th percentile per-packet one-way delay: 141.022 ms

Loss rate: 0.00%

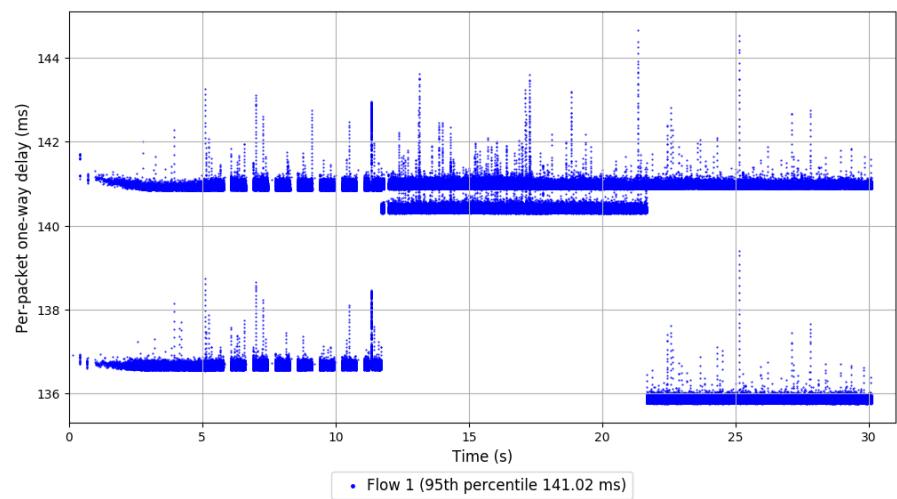
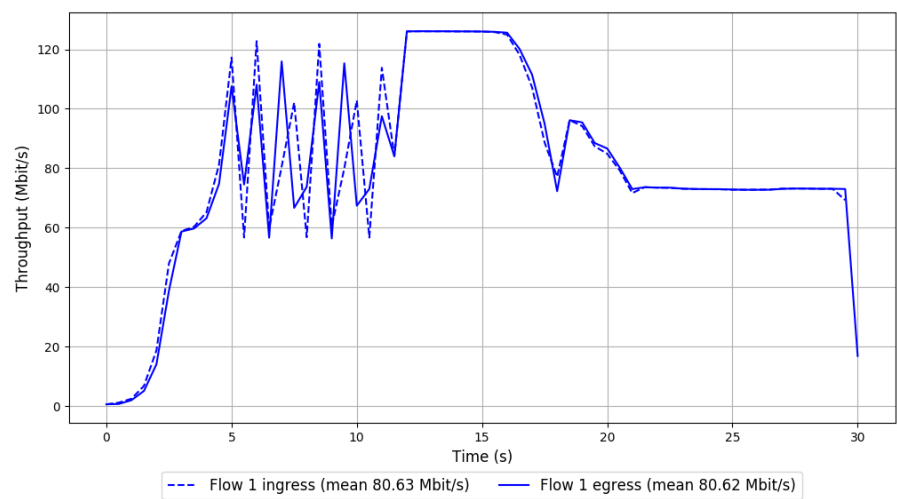
-- Flow 1:

Average throughput: 80.62 Mbit/s

95th percentile per-packet one-way delay: 141.022 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-03-06 13:06:54

End at: 2018-03-06 13:07:24

Below is generated by plot.py at 2018-03-06 16:14:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.26 Mbit/s

95th percentile per-packet one-way delay: 141.089 ms

Loss rate: 0.00%

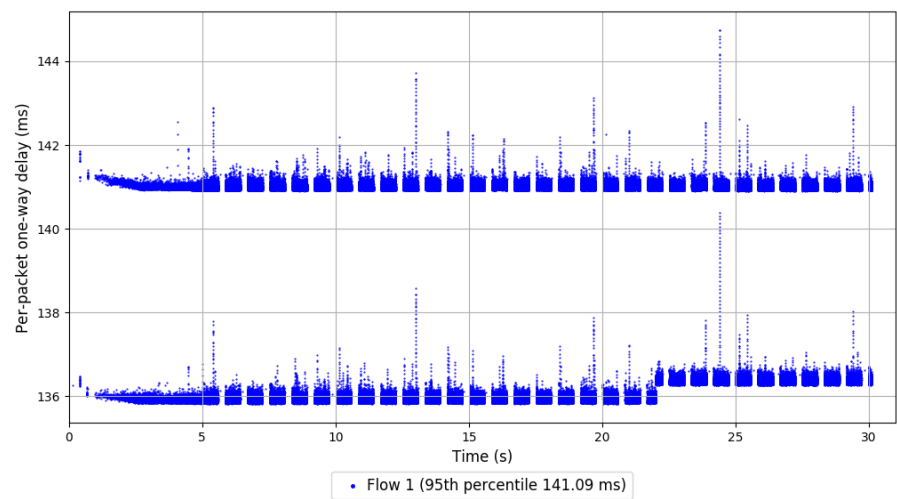
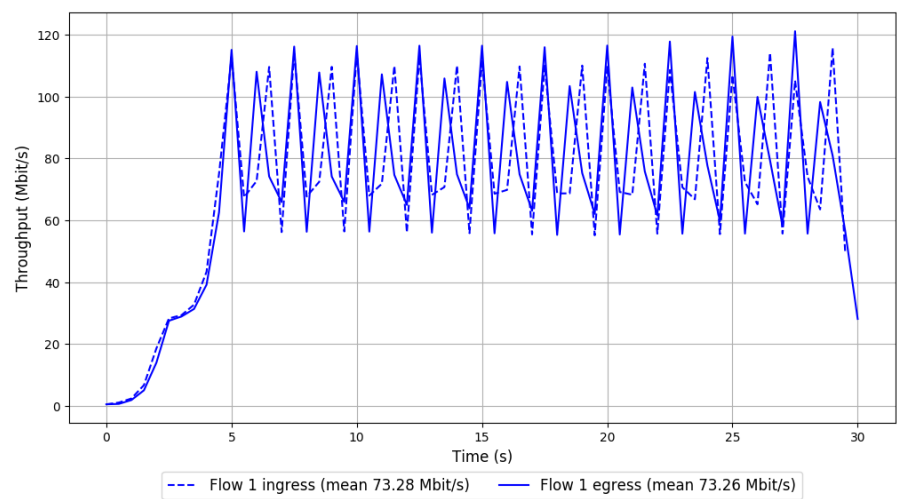
-- Flow 1:

Average throughput: 73.26 Mbit/s

95th percentile per-packet one-way delay: 141.089 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-03-06 13:23:03

End at: 2018-03-06 13:23:33

Below is generated by plot.py at 2018-03-06 16:14:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.56 Mbit/s

95th percentile per-packet one-way delay: 141.162 ms

Loss rate: 0.00%

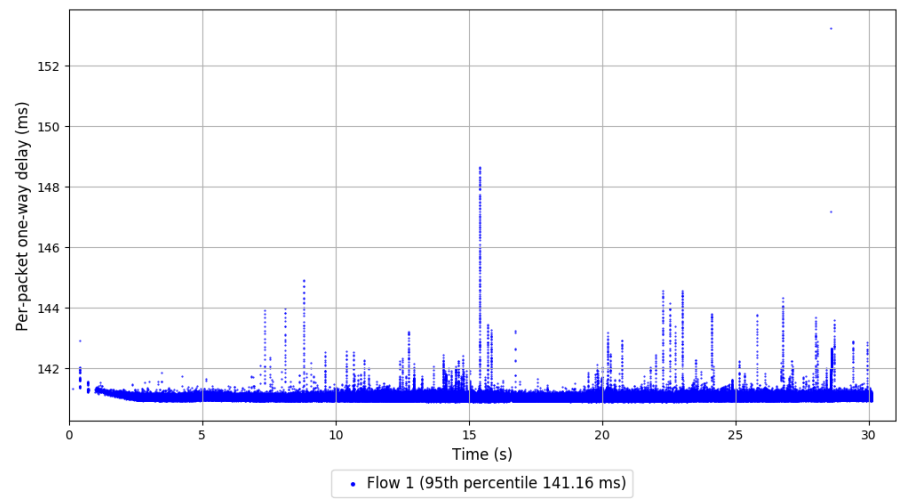
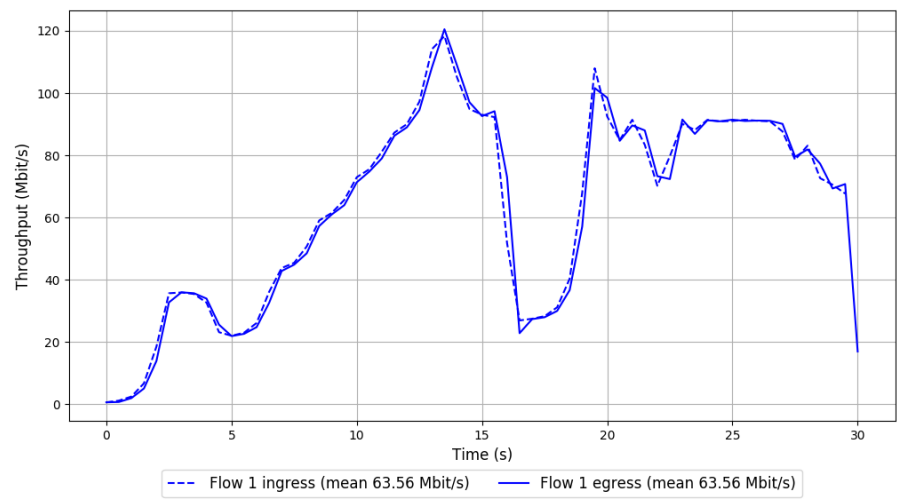
-- Flow 1:

Average throughput: 63.56 Mbit/s

95th percentile per-packet one-way delay: 141.162 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-03-06 13:39:06

End at: 2018-03-06 13:39:36

Below is generated by plot.py at 2018-03-06 16:14:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.93 Mbit/s

95th percentile per-packet one-way delay: 141.163 ms

Loss rate: 0.00%

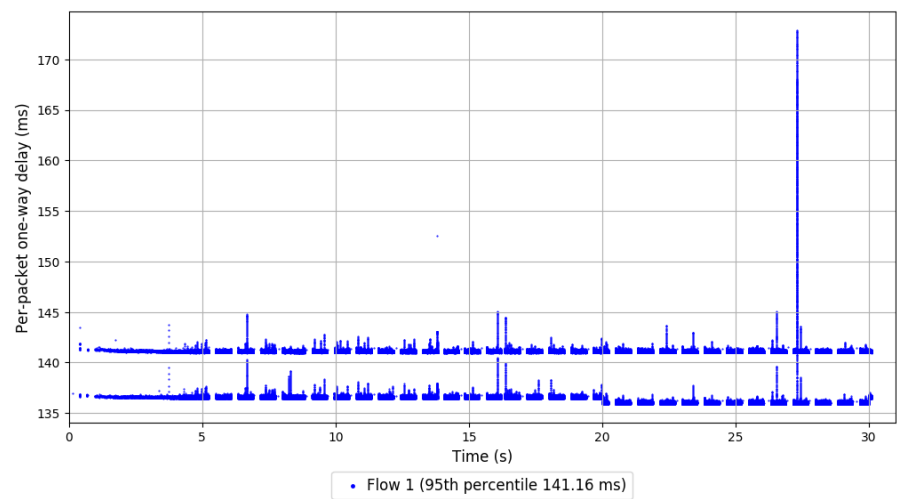
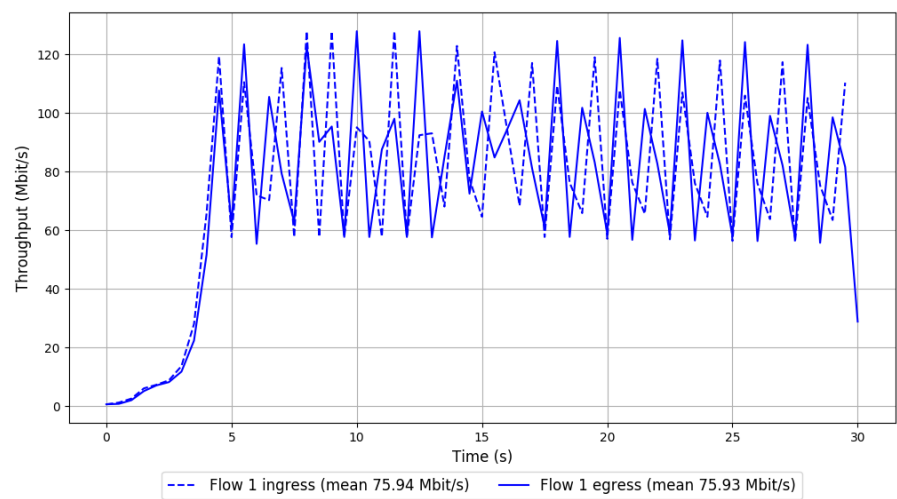
-- Flow 1:

Average throughput: 75.93 Mbit/s

95th percentile per-packet one-way delay: 141.163 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-06 13:55:01

End at: 2018-03-06 13:55:31

Below is generated by plot.py at 2018-03-06 16:17:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.10 Mbit/s

95th percentile per-packet one-way delay: 287.060 ms

Loss rate: 16.70%

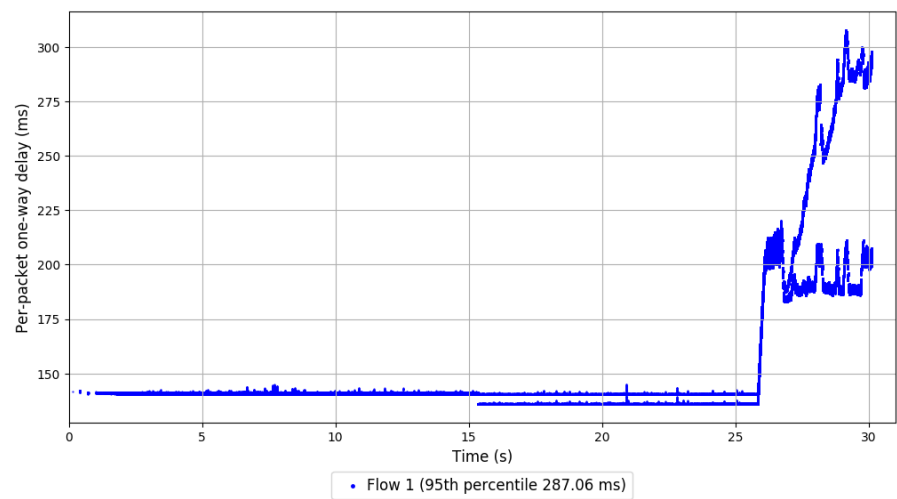
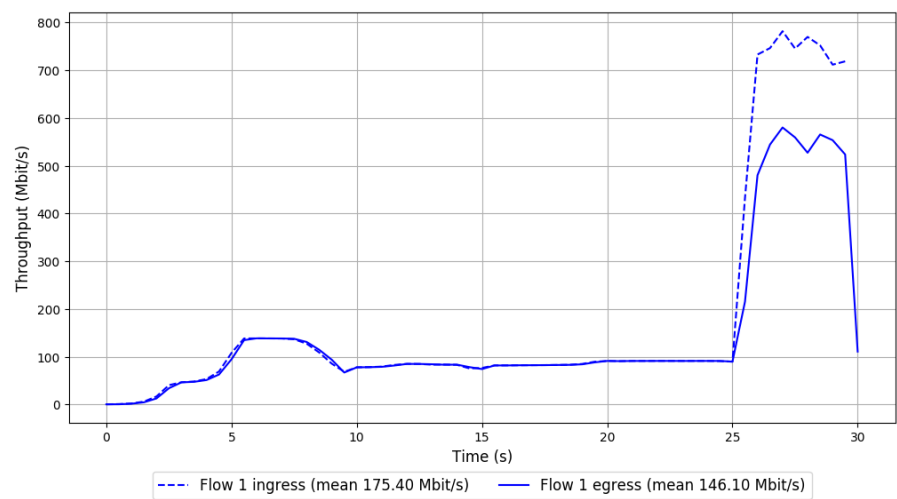
-- Flow 1:

Average throughput: 146.10 Mbit/s

95th percentile per-packet one-way delay: 287.060 ms

Loss rate: 16.70%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-03-06 14:10:59

End at: 2018-03-06 14:11:29

Below is generated by plot.py at 2018-03-06 16:17:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.89 Mbit/s

95th percentile per-packet one-way delay: 140.658 ms

Loss rate: 0.00%

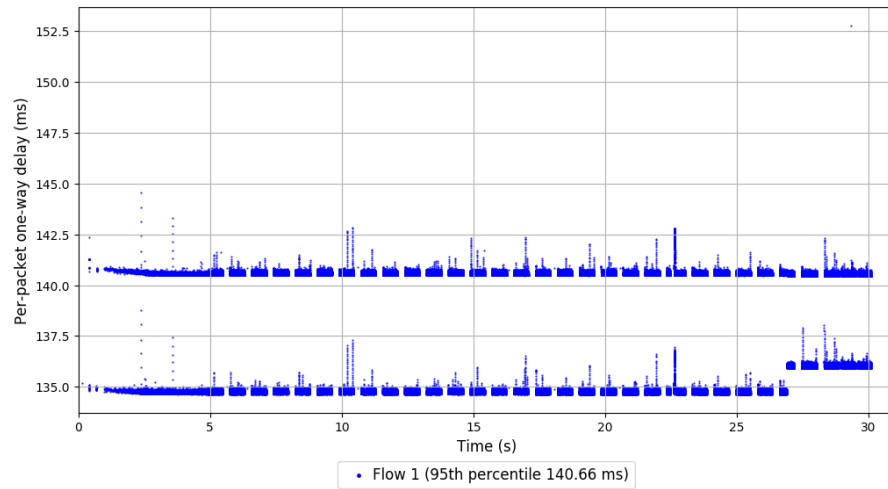
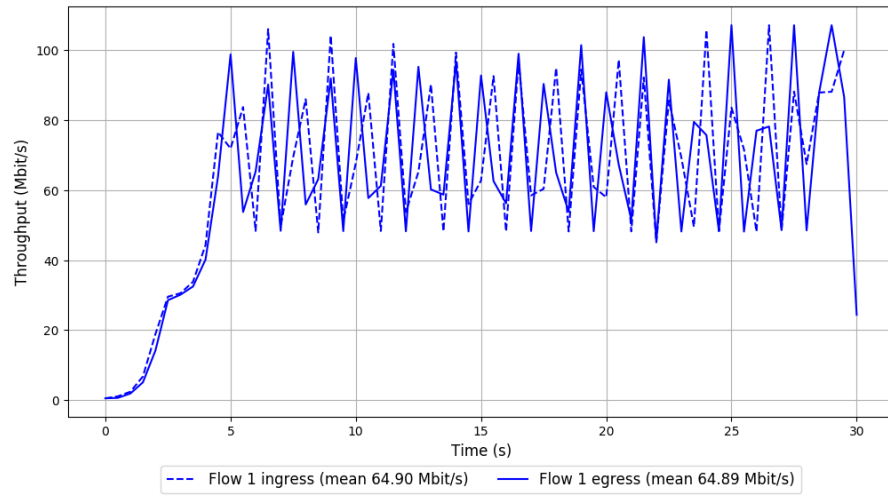
-- Flow 1:

Average throughput: 64.89 Mbit/s

95th percentile per-packet one-way delay: 140.658 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

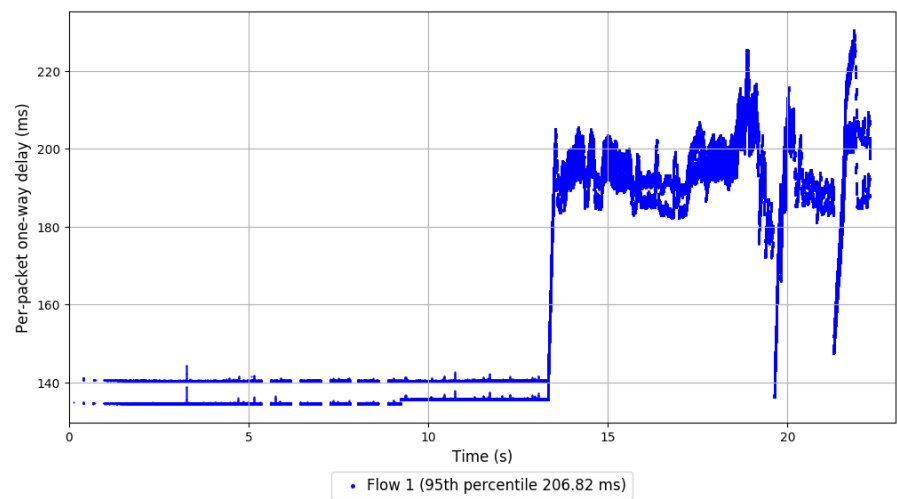
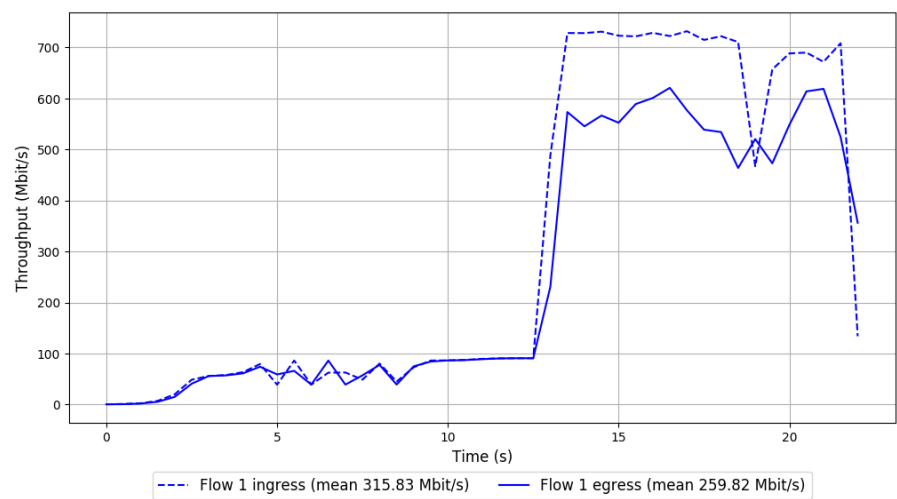


Run 10: Statistics of Copa

Start at: 2018-03-06 14:26:57

End at: 2018-03-06 14:27:27

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-03-06 12:03:53

End at: 2018-03-06 12:04:23

Below is generated by plot.py at 2018-03-06 16:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 909.85 Mbit/s

95th percentile per-packet one-way delay: 205.252 ms

Loss rate: 1.77%

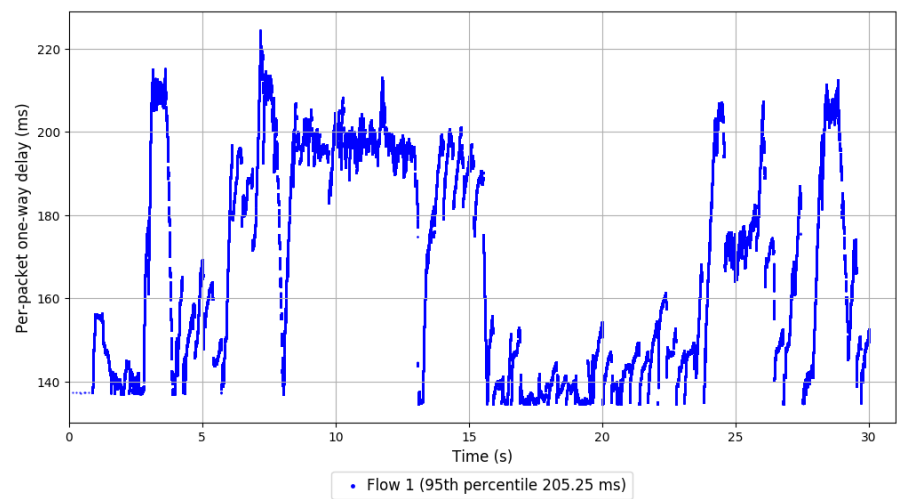
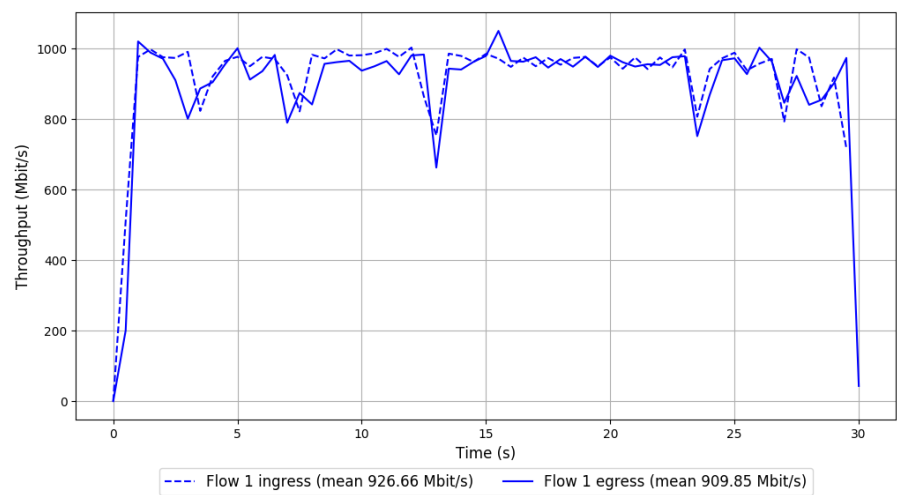
-- Flow 1:

Average throughput: 909.85 Mbit/s

95th percentile per-packet one-way delay: 205.252 ms

Loss rate: 1.77%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-03-06 12:19:40

End at: 2018-03-06 12:20:10

Below is generated by plot.py at 2018-03-06 16:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 874.87 Mbit/s

95th percentile per-packet one-way delay: 216.997 ms

Loss rate: 2.69%

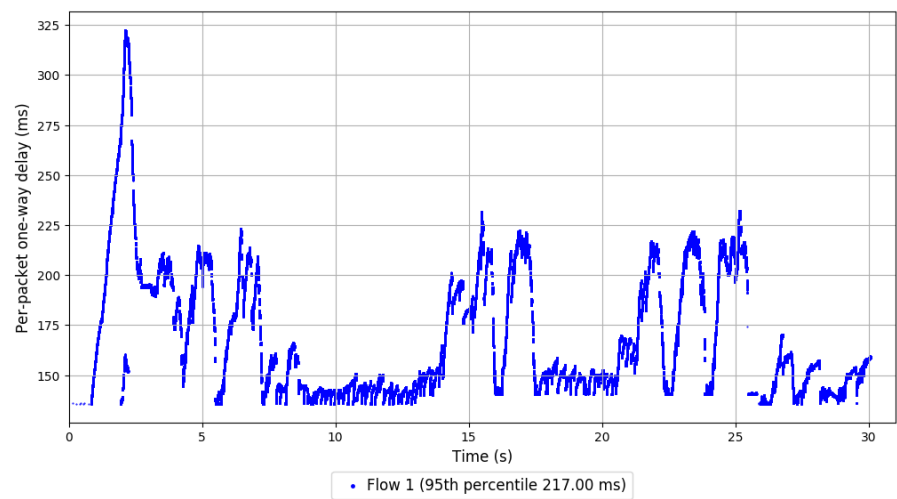
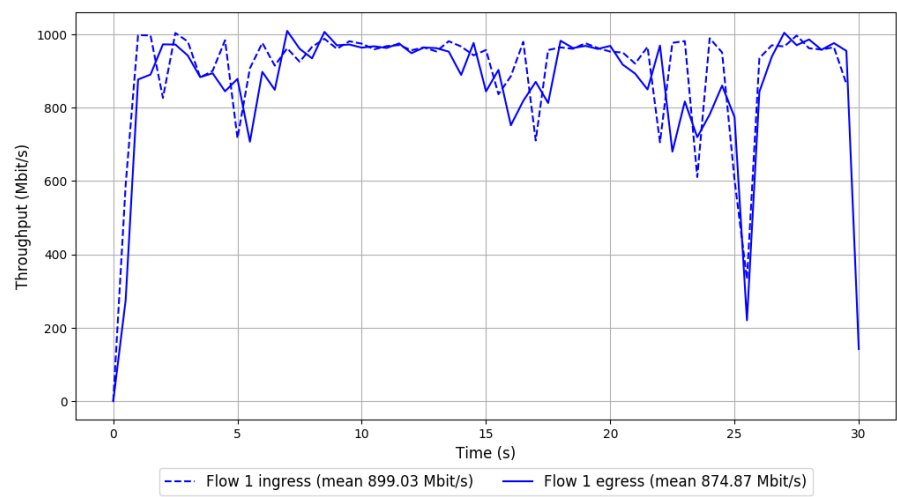
-- Flow 1:

Average throughput: 874.87 Mbit/s

95th percentile per-packet one-way delay: 216.997 ms

Loss rate: 2.69%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-03-06 12:35:32

End at: 2018-03-06 12:36:02

Below is generated by plot.py at 2018-03-06 16:30:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 903.78 Mbit/s

95th percentile per-packet one-way delay: 203.235 ms

Loss rate: 1.26%

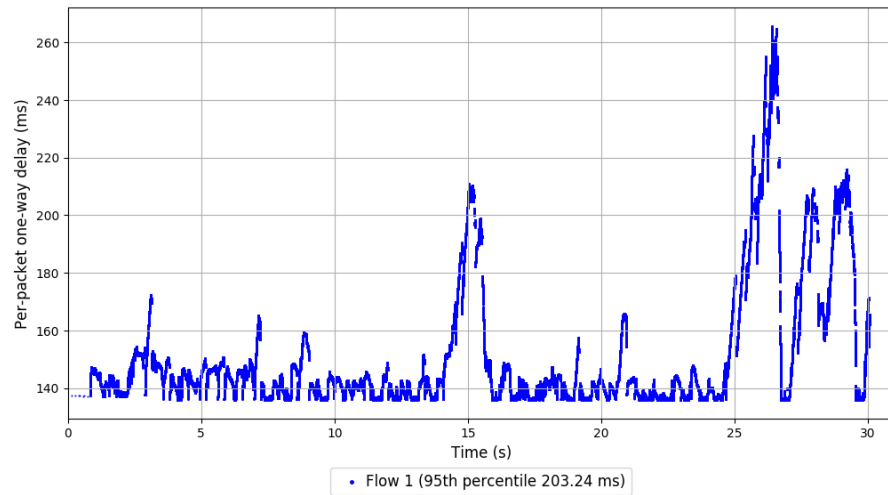
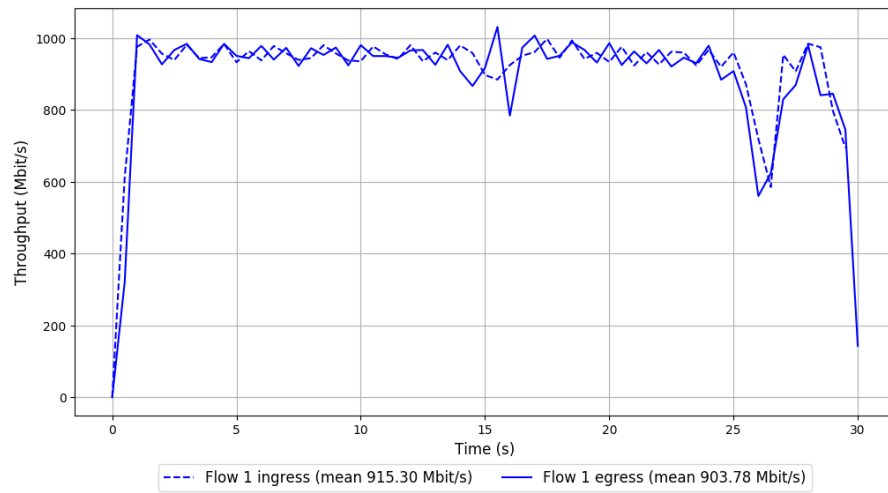
-- Flow 1:

Average throughput: 903.78 Mbit/s

95th percentile per-packet one-way delay: 203.235 ms

Loss rate: 1.26%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-03-06 12:51:35

End at: 2018-03-06 12:52:05

Below is generated by plot.py at 2018-03-06 16:30:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 925.56 Mbit/s

95th percentile per-packet one-way delay: 196.340 ms

Loss rate: 0.68%

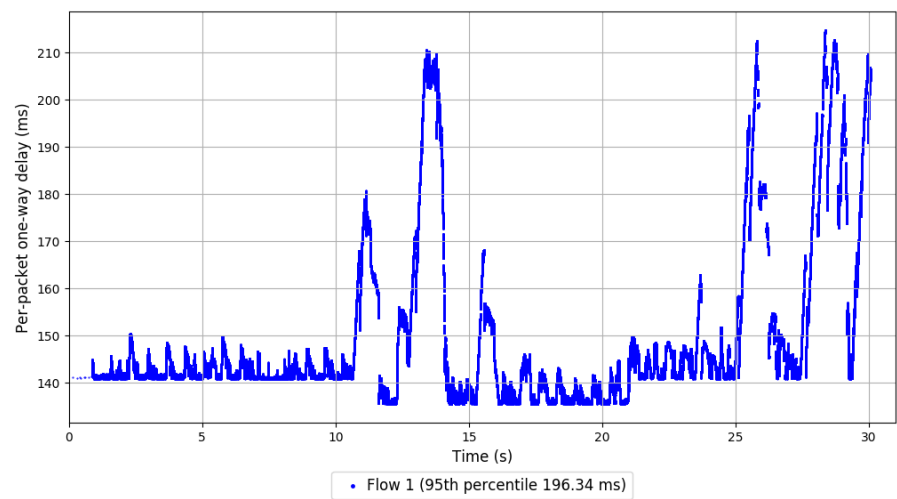
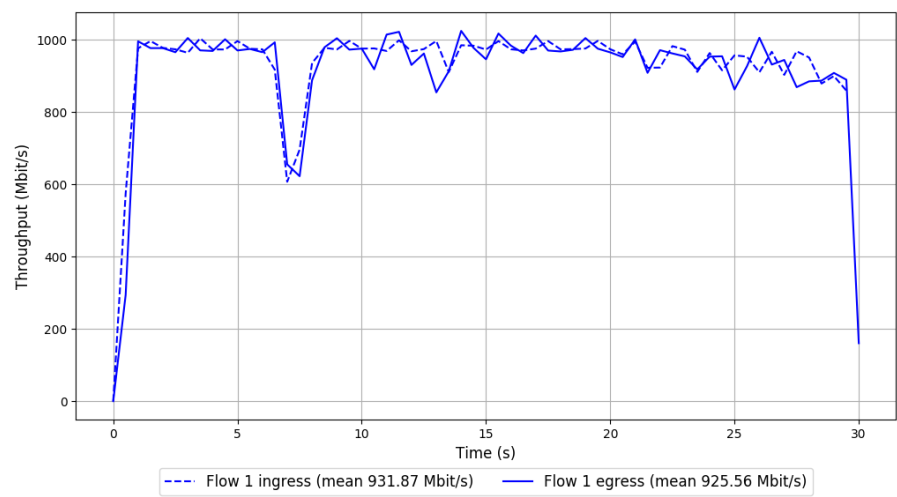
-- Flow 1:

Average throughput: 925.56 Mbit/s

95th percentile per-packet one-way delay: 196.340 ms

Loss rate: 0.68%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-03-06 13:07:42

End at: 2018-03-06 13:08:12

Below is generated by plot.py at 2018-03-06 16:30:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 944.29 Mbit/s

95th percentile per-packet one-way delay: 195.747 ms

Loss rate: 0.60%

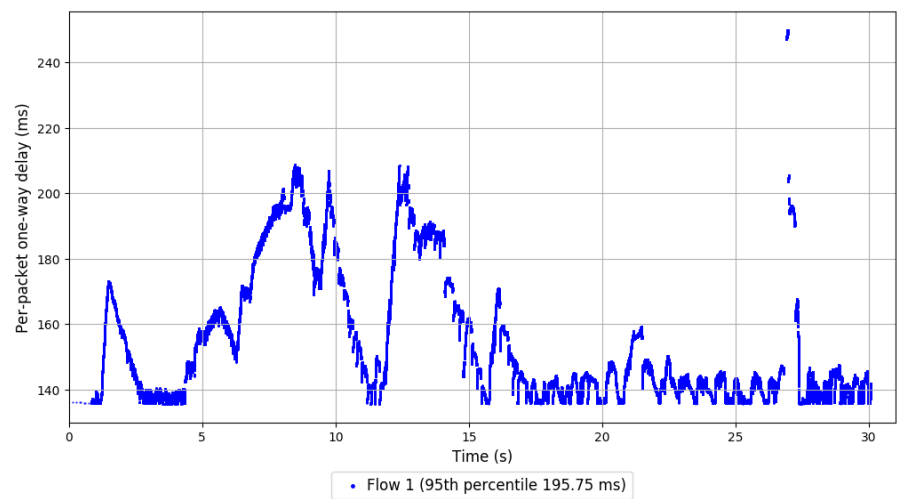
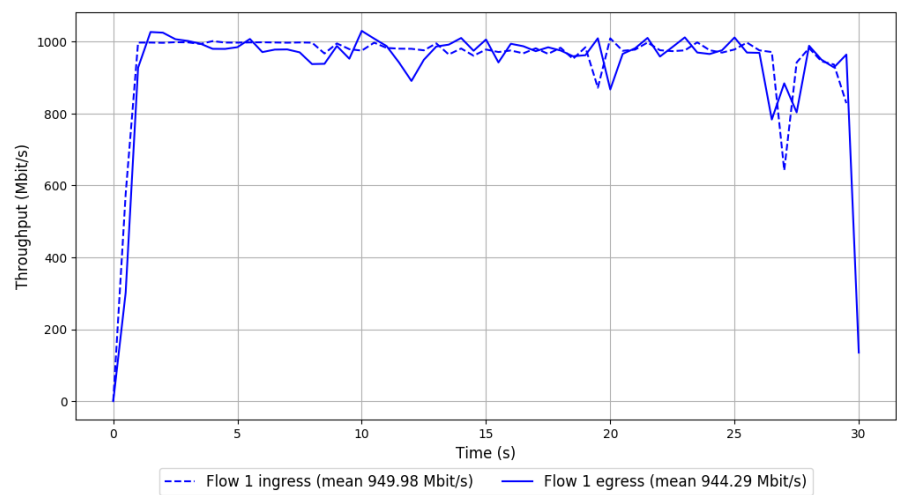
-- Flow 1:

Average throughput: 944.29 Mbit/s

95th percentile per-packet one-way delay: 195.747 ms

Loss rate: 0.60%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-03-06 13:23:52

End at: 2018-03-06 13:24:22

Below is generated by plot.py at 2018-03-06 16:31:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 924.32 Mbit/s

95th percentile per-packet one-way delay: 183.733 ms

Loss rate: 0.55%

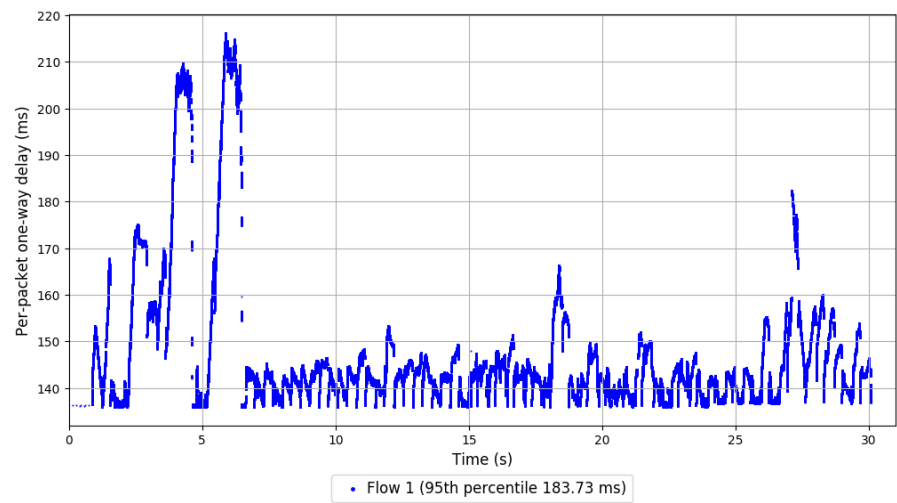
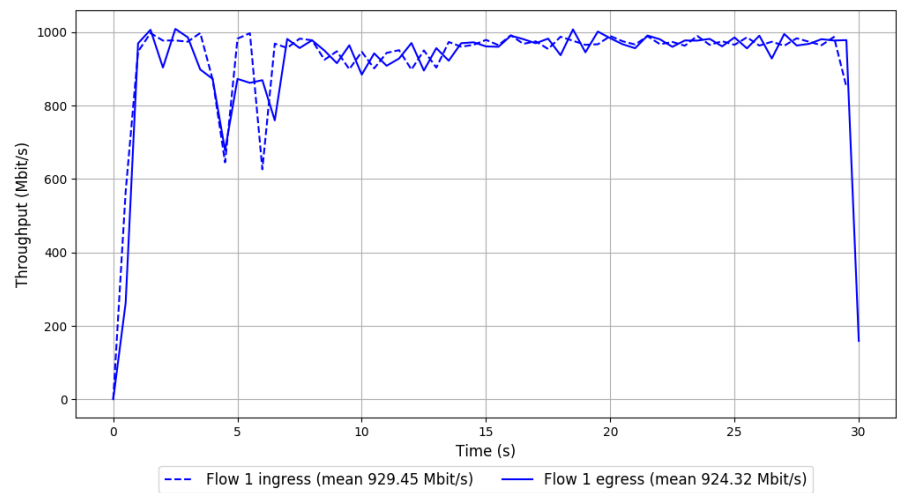
-- Flow 1:

Average throughput: 924.32 Mbit/s

95th percentile per-packet one-way delay: 183.733 ms

Loss rate: 0.55%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-06 13:39:55

End at: 2018-03-06 13:40:25

Below is generated by plot.py at 2018-03-06 16:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 891.08 Mbit/s

95th percentile per-packet one-way delay: 206.972 ms

Loss rate: 2.37%

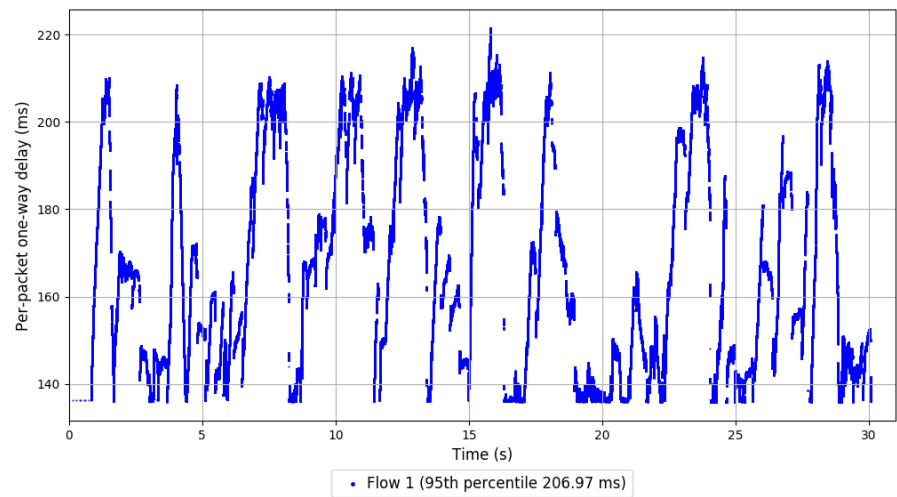
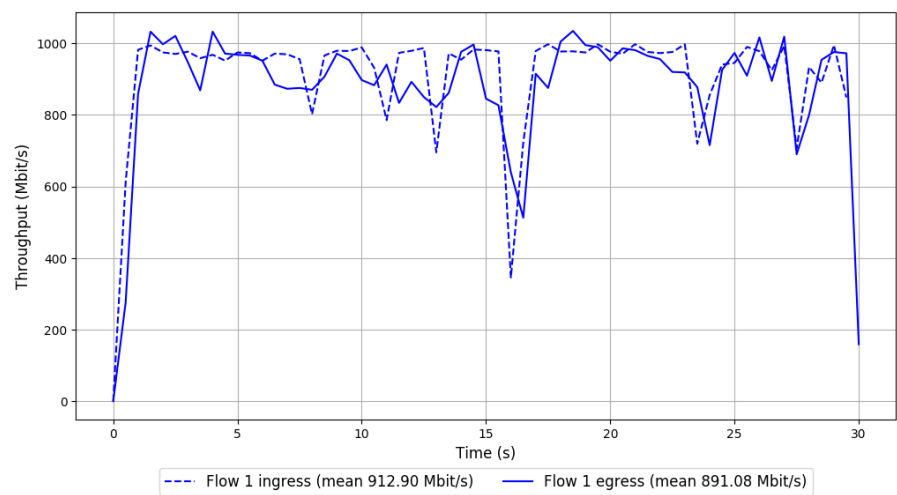
-- Flow 1:

Average throughput: 891.08 Mbit/s

95th percentile per-packet one-way delay: 206.972 ms

Loss rate: 2.37%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-06 13:55:56

End at: 2018-03-06 13:56:26

Below is generated by plot.py at 2018-03-06 16:36:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 895.60 Mbit/s

95th percentile per-packet one-way delay: 201.345 ms

Loss rate: 1.27%

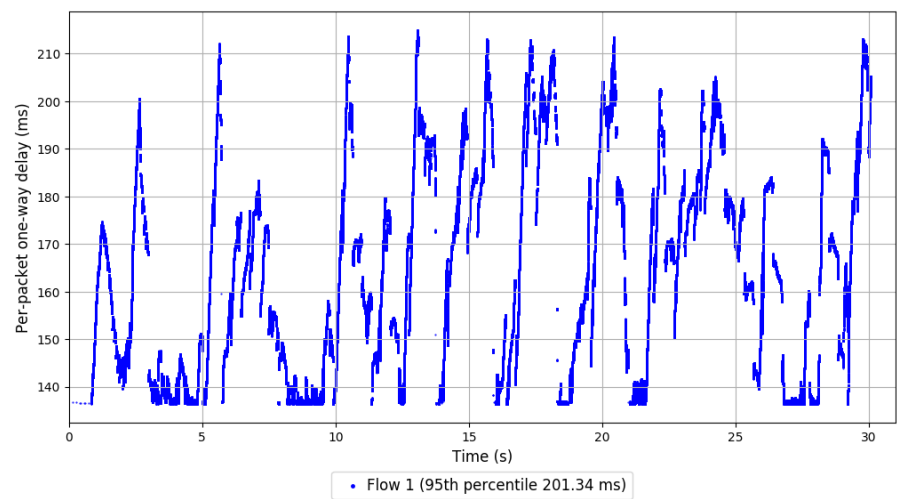
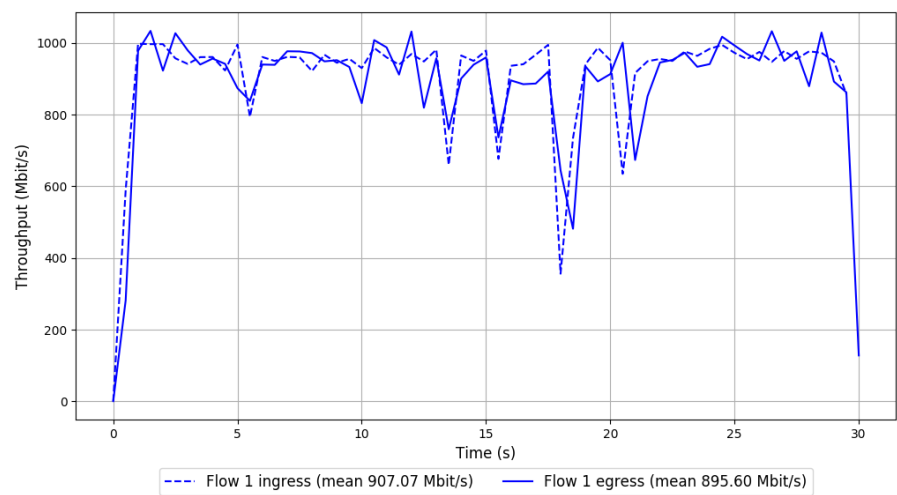
-- Flow 1:

Average throughput: 895.60 Mbit/s

95th percentile per-packet one-way delay: 201.345 ms

Loss rate: 1.27%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-03-06 14:11:47

End at: 2018-03-06 14:12:17

Below is generated by plot.py at 2018-03-06 16:44:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 878.98 Mbit/s

95th percentile per-packet one-way delay: 206.016 ms

Loss rate: 1.92%

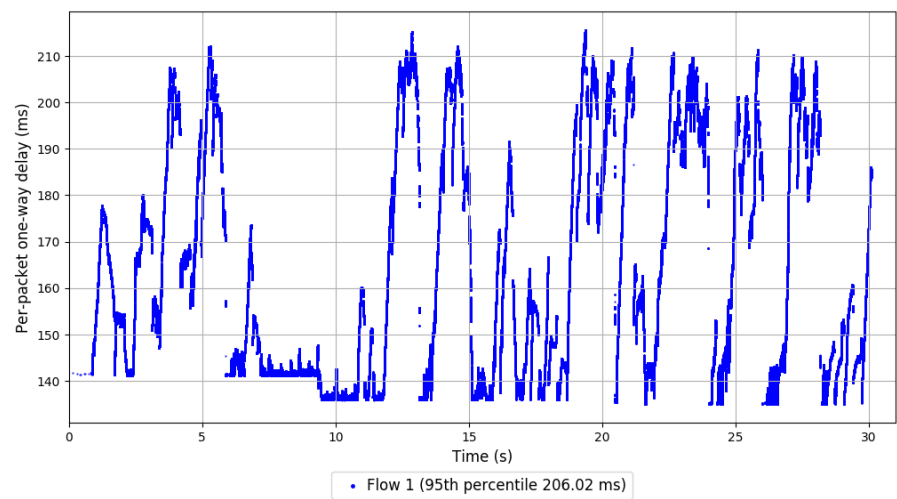
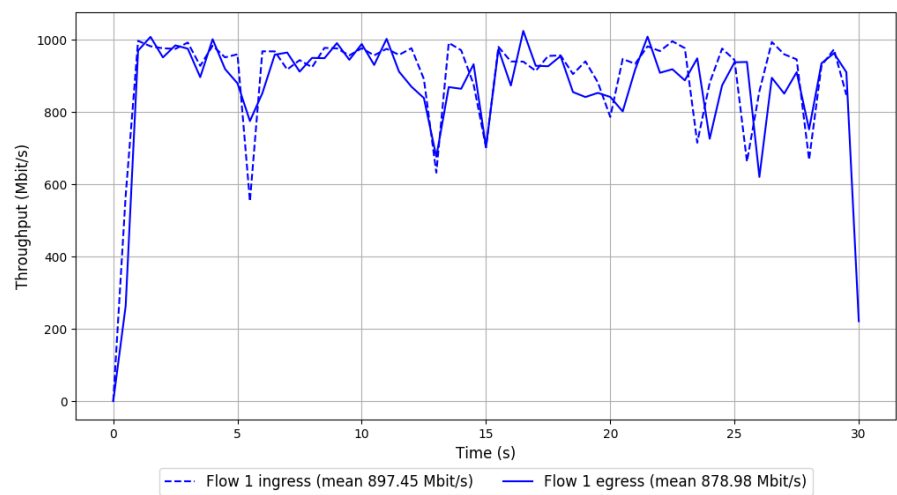
-- Flow 1:

Average throughput: 878.98 Mbit/s

95th percentile per-packet one-way delay: 206.016 ms

Loss rate: 1.92%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-03-06 14:27:54

End at: 2018-03-06 14:28:24

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 885.74 Mbit/s

95th percentile per-packet one-way delay: 208.539 ms

Loss rate: 2.33%

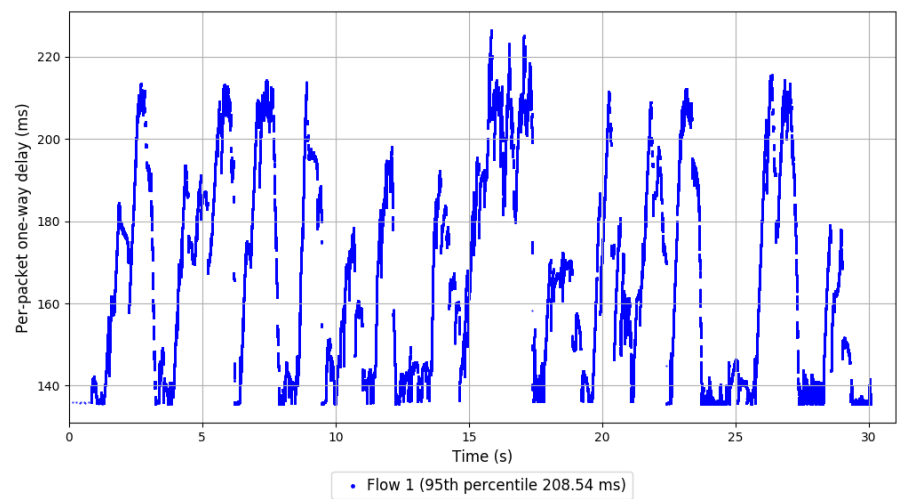
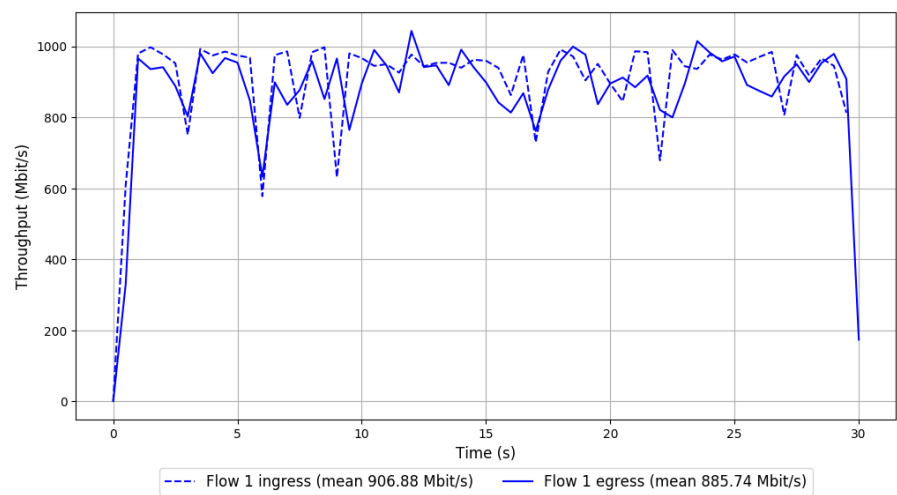
-- Flow 1:

Average throughput: 885.74 Mbit/s

95th percentile per-packet one-way delay: 208.539 ms

Loss rate: 2.33%

Run 10: Report of FillP — Data Link

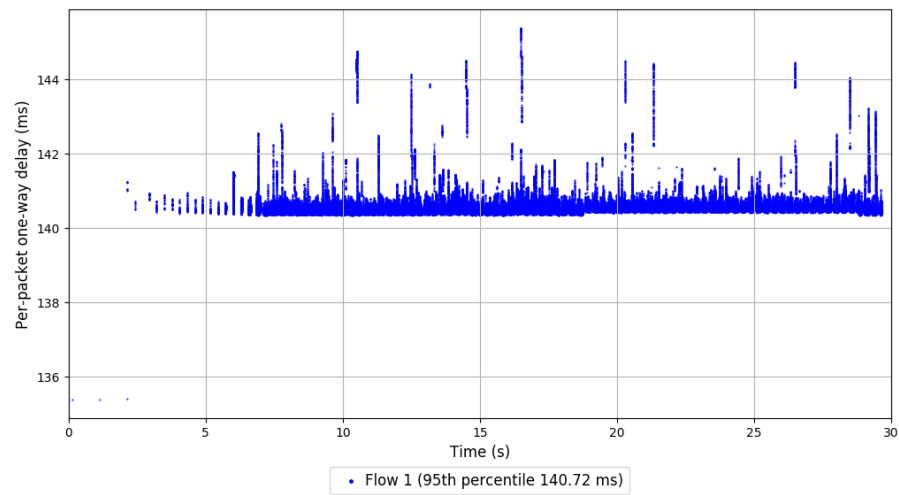
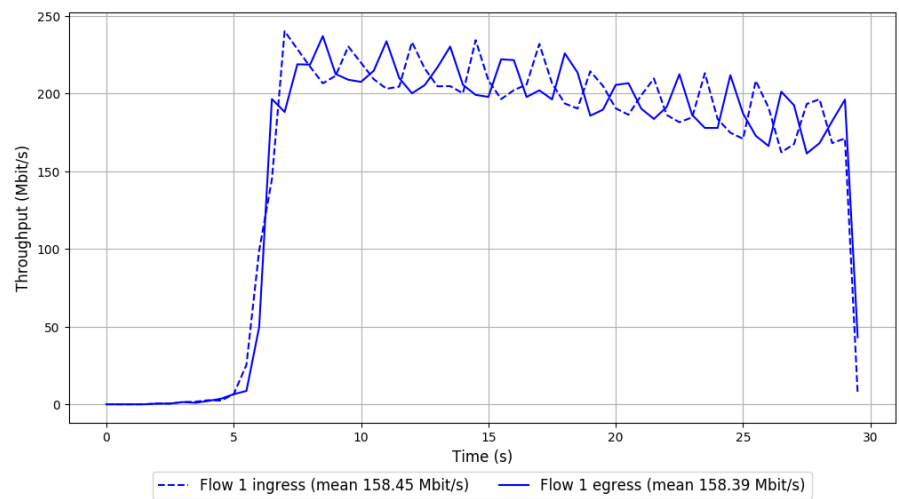


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-03-06 11:59:47
End at: 2018-03-06 12:00:17

# Below is generated by plot.py at 2018-03-06 16:45:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.39 Mbit/s
95th percentile per-packet one-way delay: 140.717 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 158.39 Mbit/s
95th percentile per-packet one-way delay: 140.717 ms
Loss rate: 0.04%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-03-06 12:15:34

End at: 2018-03-06 12:16:04

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.20 Mbit/s

95th percentile per-packet one-way delay: 140.765 ms

Loss rate: 0.08%

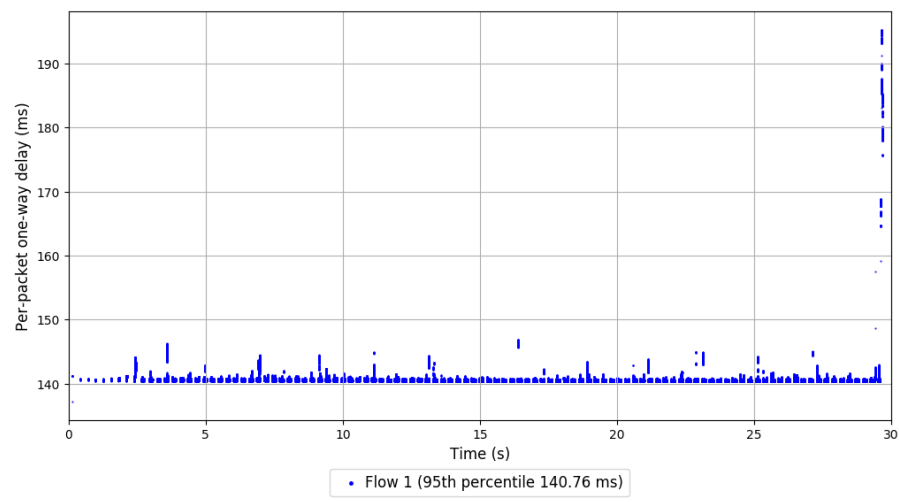
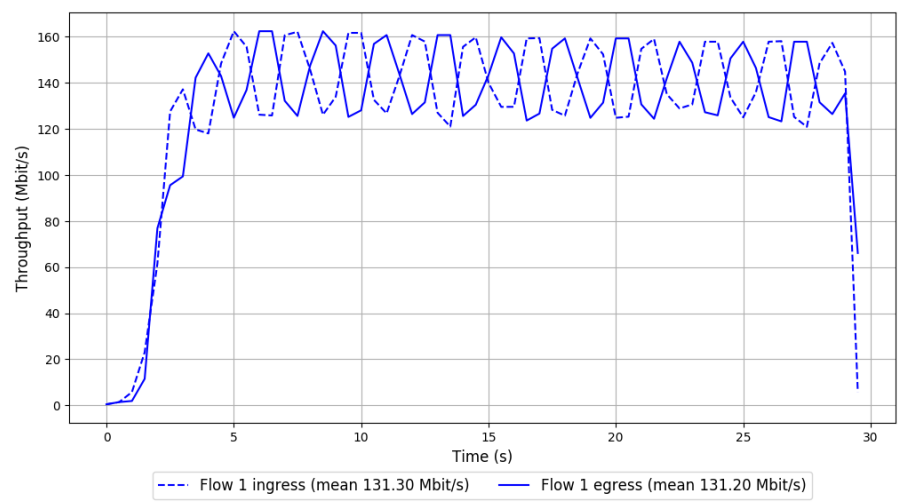
-- Flow 1:

Average throughput: 131.20 Mbit/s

95th percentile per-packet one-way delay: 140.765 ms

Loss rate: 0.08%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-03-06 12:31:29

End at: 2018-03-06 12:31:59

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.66 Mbit/s

95th percentile per-packet one-way delay: 140.719 ms

Loss rate: 0.00%

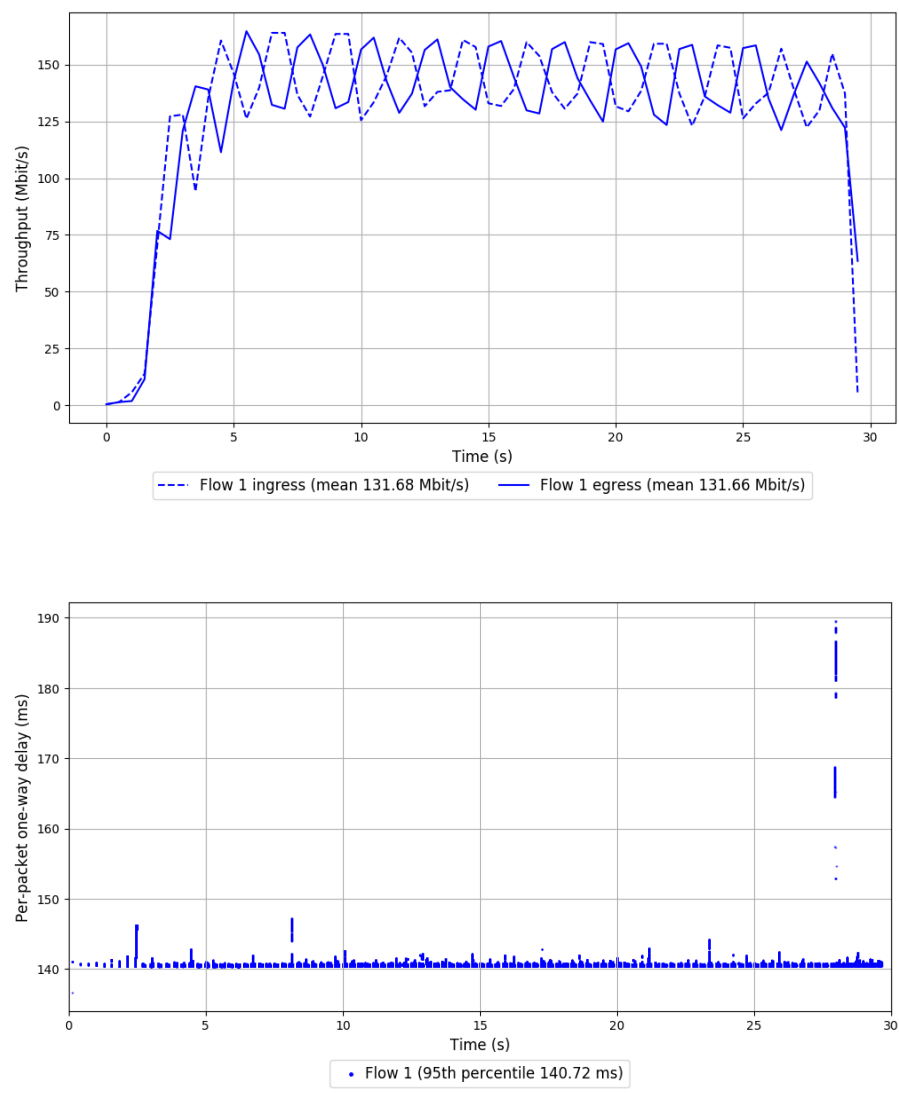
-- Flow 1:

Average throughput: 131.66 Mbit/s

95th percentile per-packet one-way delay: 140.719 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-06 12:47:29

End at: 2018-03-06 12:47:59

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.48 Mbit/s

95th percentile per-packet one-way delay: 141.180 ms

Loss rate: 0.00%

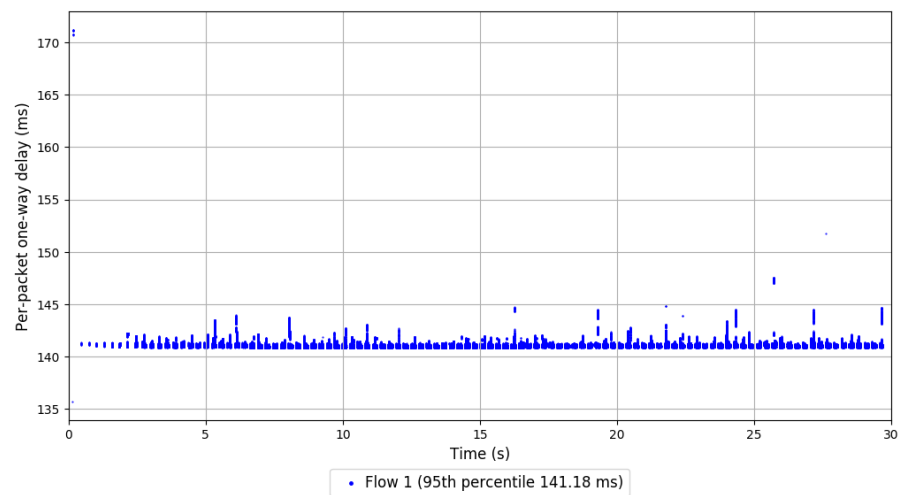
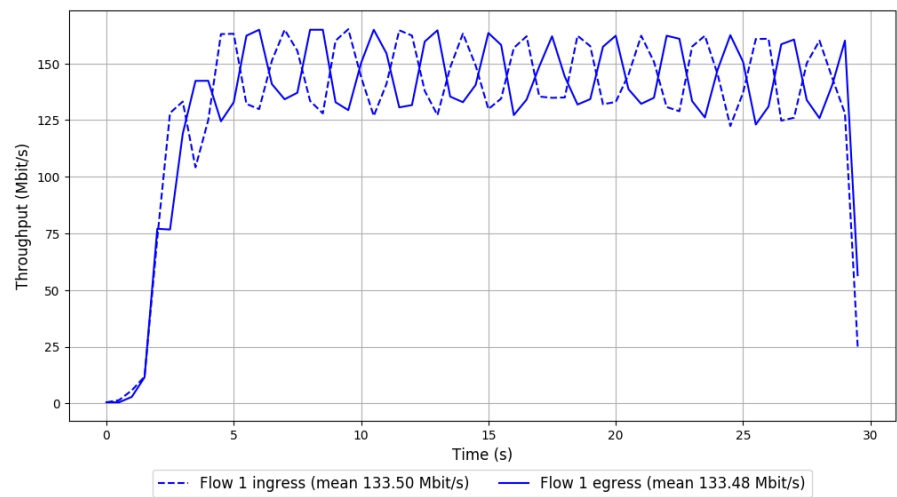
-- Flow 1:

Average throughput: 133.48 Mbit/s

95th percentile per-packet one-way delay: 141.180 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-03-06 13:03:36

End at: 2018-03-06 13:04:06

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.42 Mbit/s

95th percentile per-packet one-way delay: 141.186 ms

Loss rate: 0.00%

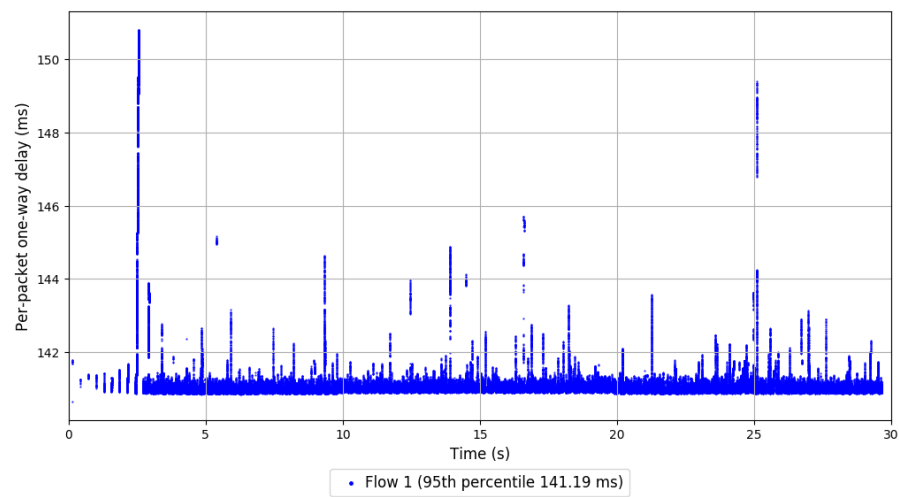
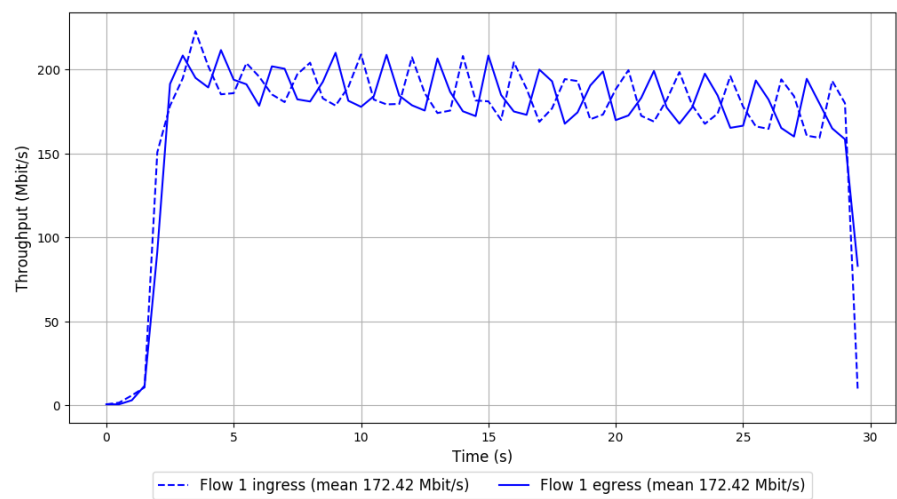
-- Flow 1:

Average throughput: 172.42 Mbit/s

95th percentile per-packet one-way delay: 141.186 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-03-06 13:19:48

End at: 2018-03-06 13:20:18

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.58 Mbit/s

95th percentile per-packet one-way delay: 141.212 ms

Loss rate: 0.00%

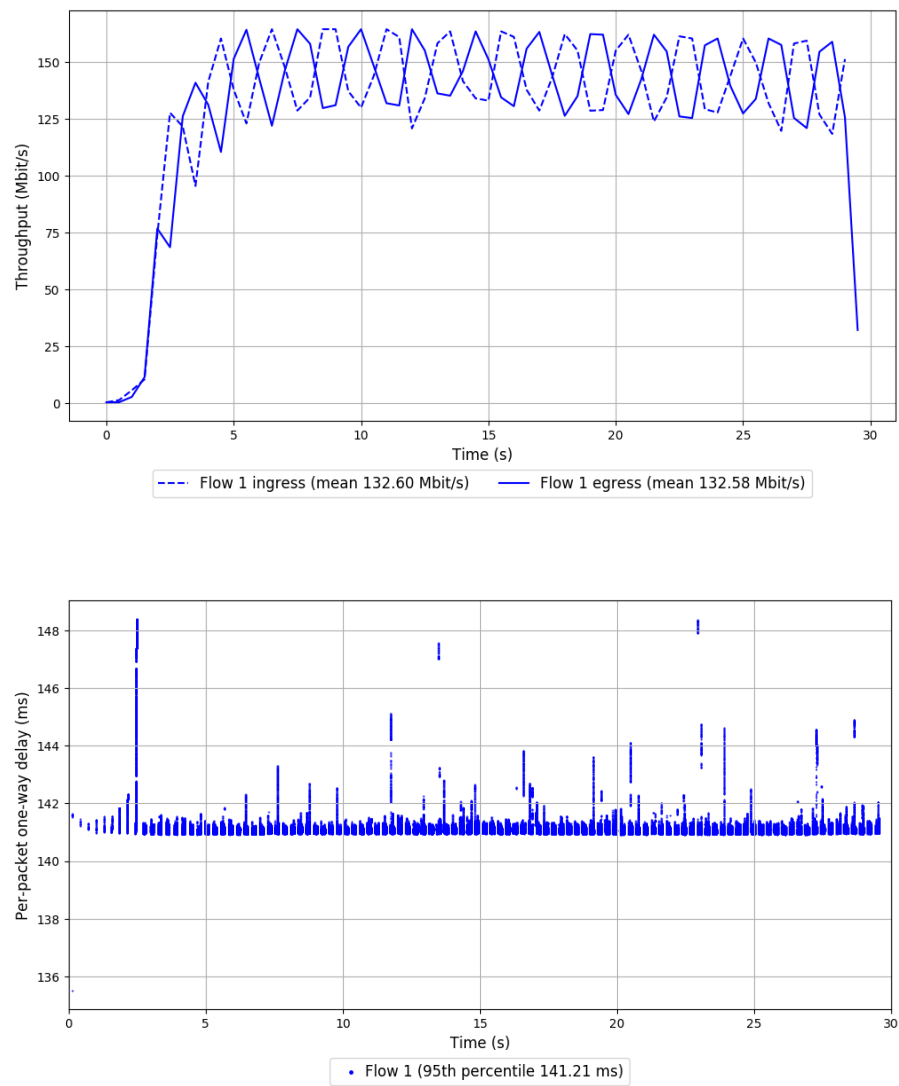
-- Flow 1:

Average throughput: 132.58 Mbit/s

95th percentile per-packet one-way delay: 141.212 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-03-06 13:35:48

End at: 2018-03-06 13:36:18

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.78 Mbit/s

95th percentile per-packet one-way delay: 141.339 ms

Loss rate: 0.04%

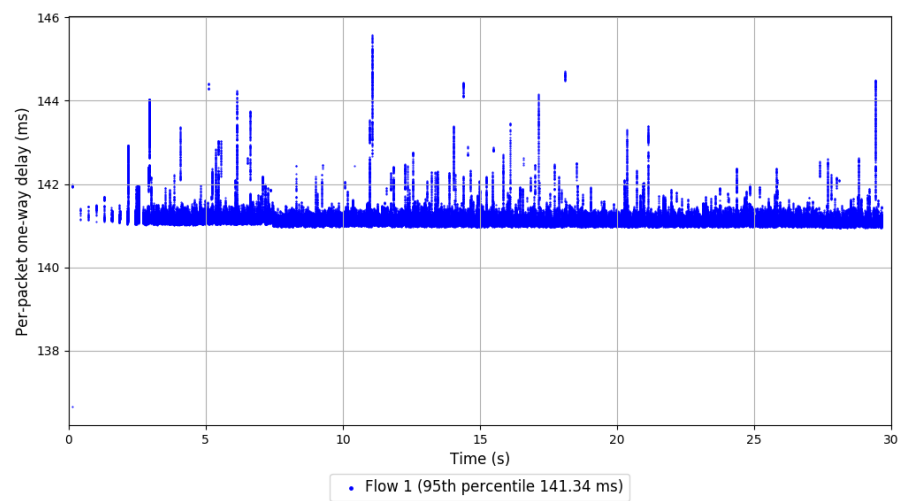
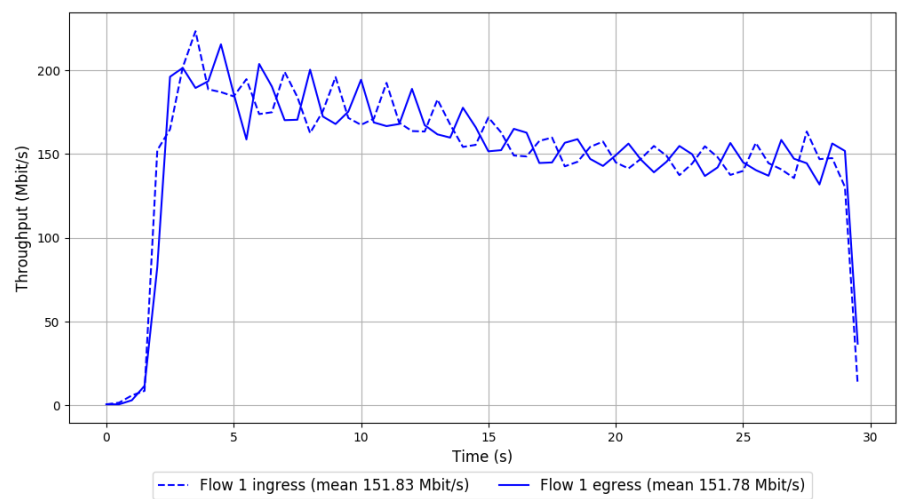
-- Flow 1:

Average throughput: 151.78 Mbit/s

95th percentile per-packet one-way delay: 141.339 ms

Loss rate: 0.04%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-03-06 13:51:46

End at: 2018-03-06 13:52:16

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.74 Mbit/s

95th percentile per-packet one-way delay: 140.871 ms

Loss rate: 0.00%

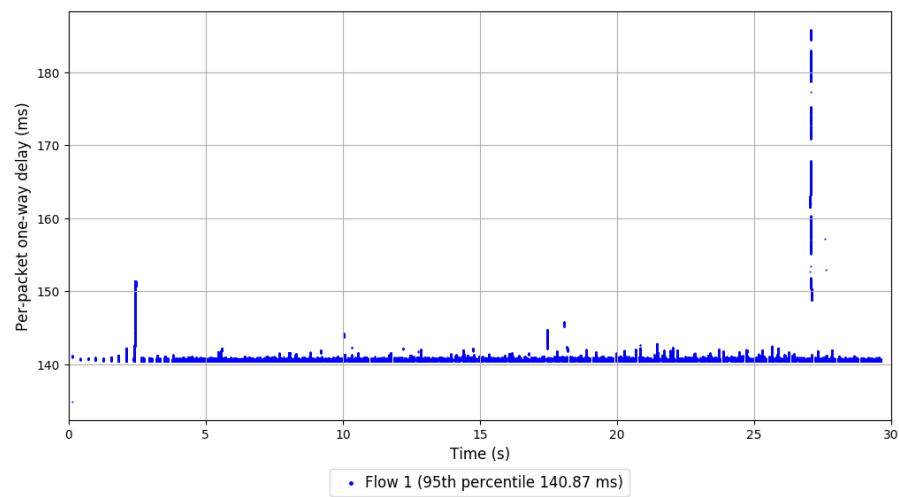
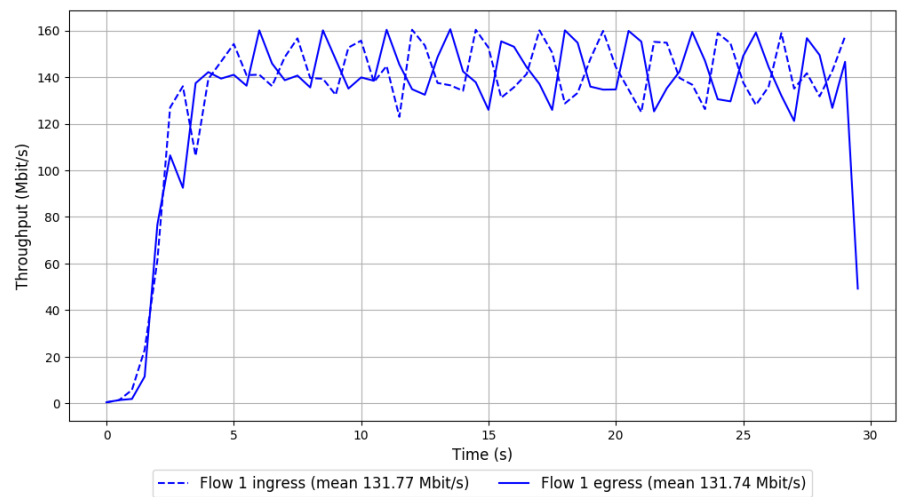
-- Flow 1:

Average throughput: 131.74 Mbit/s

95th percentile per-packet one-way delay: 140.871 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-03-06 14:07:45

End at: 2018-03-06 14:08:15

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.68 Mbit/s

95th percentile per-packet one-way delay: 140.807 ms

Loss rate: 0.00%

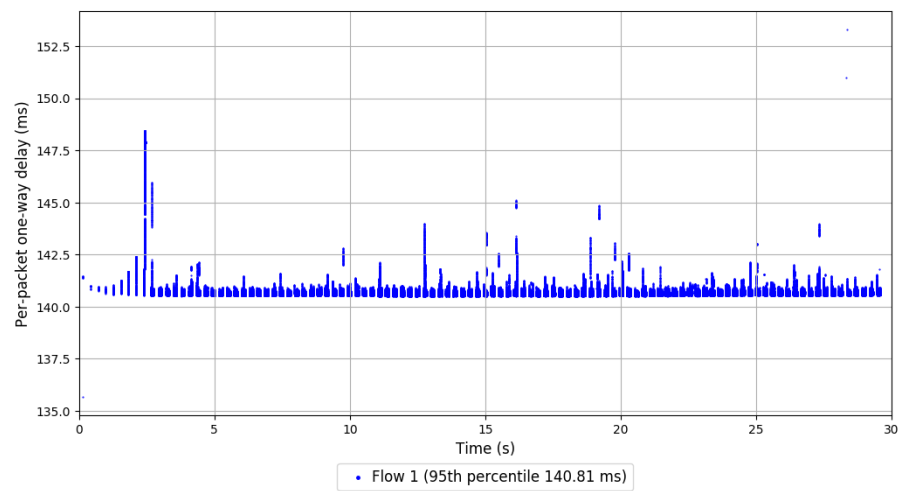
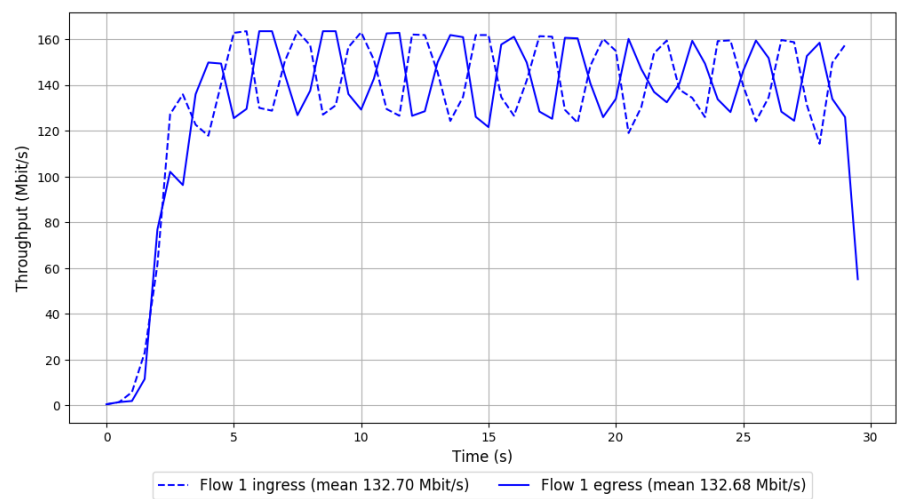
-- Flow 1:

Average throughput: 132.68 Mbit/s

95th percentile per-packet one-way delay: 140.807 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-06 14:23:38

End at: 2018-03-06 14:24:08

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.48 Mbit/s

95th percentile per-packet one-way delay: 140.573 ms

Loss rate: 0.03%

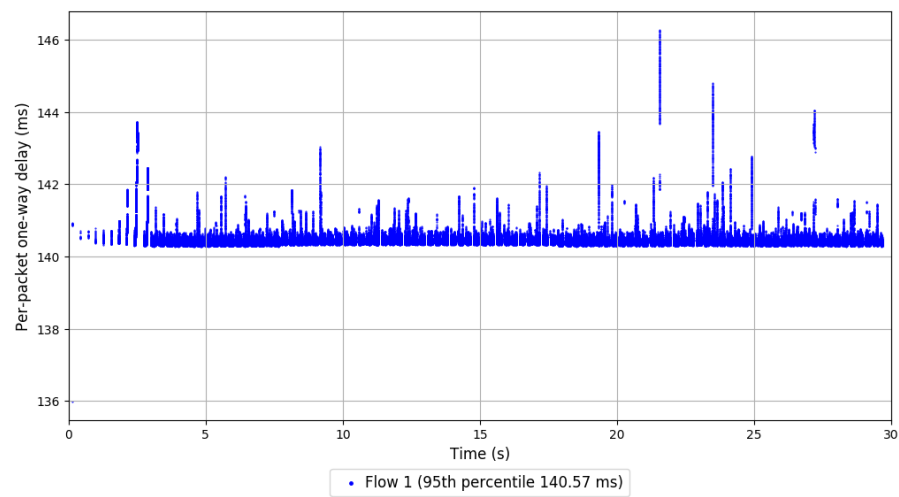
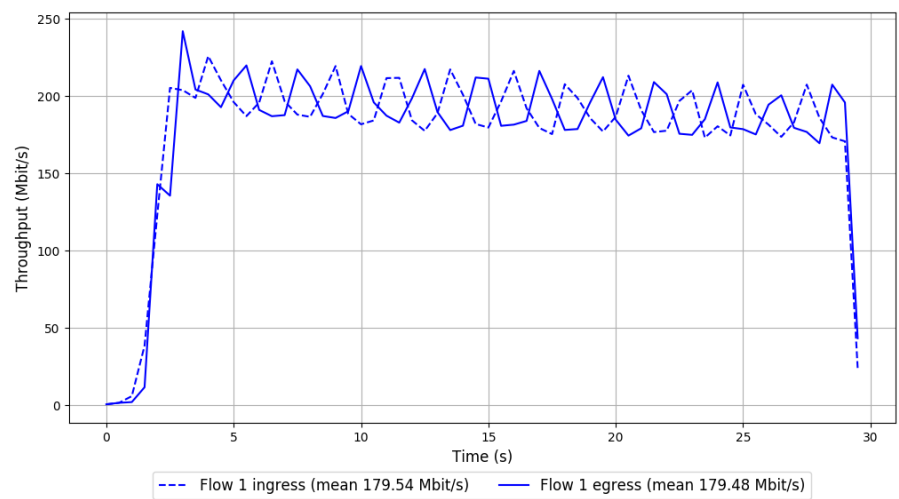
-- Flow 1:

Average throughput: 179.48 Mbit/s

95th percentile per-packet one-way delay: 140.573 ms

Loss rate: 0.03%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-03-06 12:09:15

End at: 2018-03-06 12:09:45

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.49 Mbit/s

95th percentile per-packet one-way delay: 142.045 ms

Loss rate: 0.04%

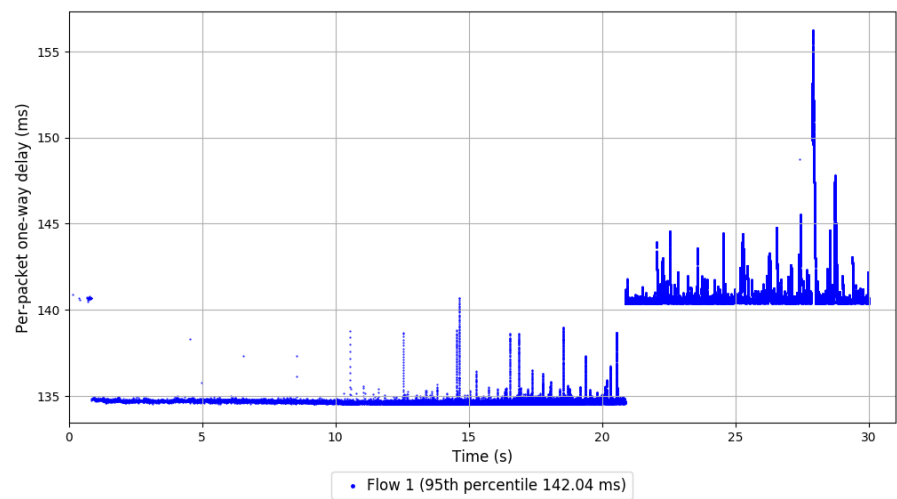
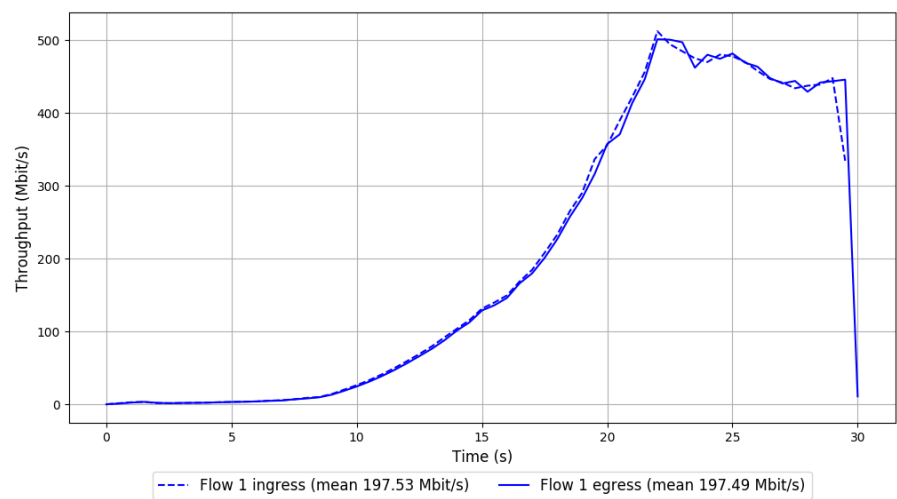
-- Flow 1:

Average throughput: 197.49 Mbit/s

95th percentile per-packet one-way delay: 142.045 ms

Loss rate: 0.04%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-03-06 12:25:05

End at: 2018-03-06 12:25:35

Below is generated by plot.py at 2018-03-06 16:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.83 Mbit/s

95th percentile per-packet one-way delay: 135.925 ms

Loss rate: 0.00%

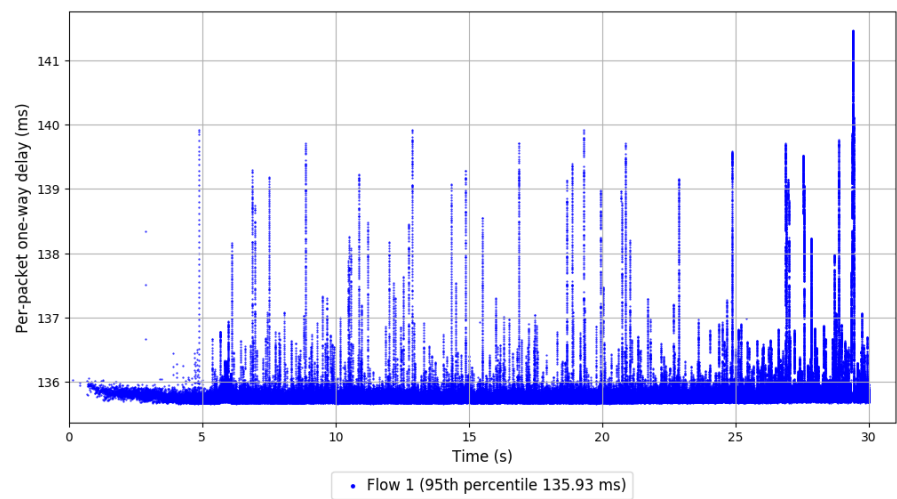
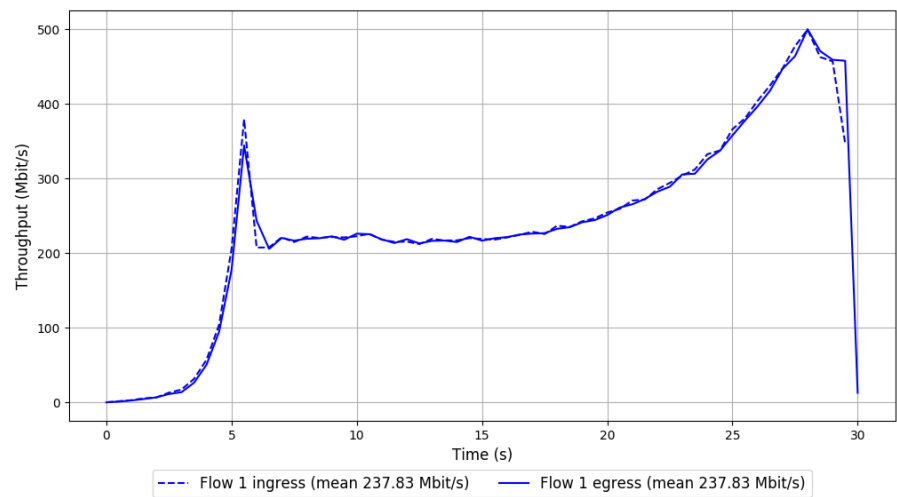
-- Flow 1:

Average throughput: 237.83 Mbit/s

95th percentile per-packet one-way delay: 135.925 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-06 12:40:58

End at: 2018-03-06 12:41:28

Below is generated by plot.py at 2018-03-06 16:45:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.14 Mbit/s

95th percentile per-packet one-way delay: 142.195 ms

Loss rate: 0.00%

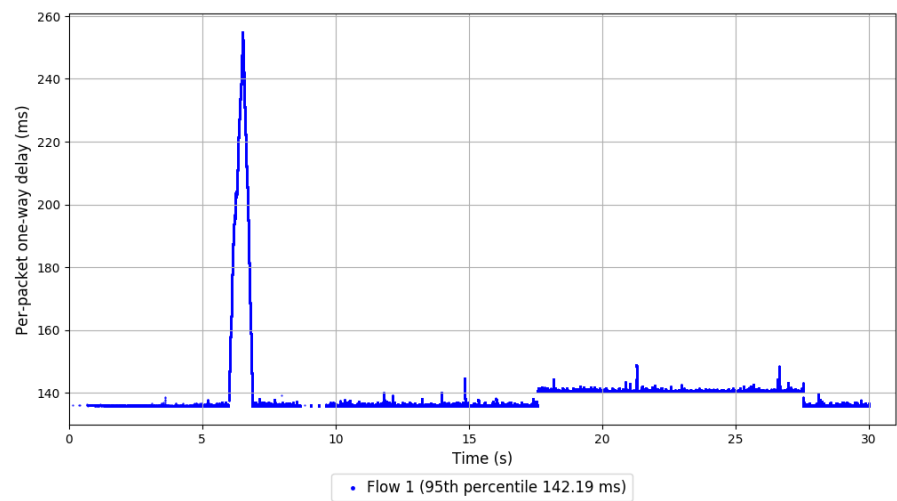
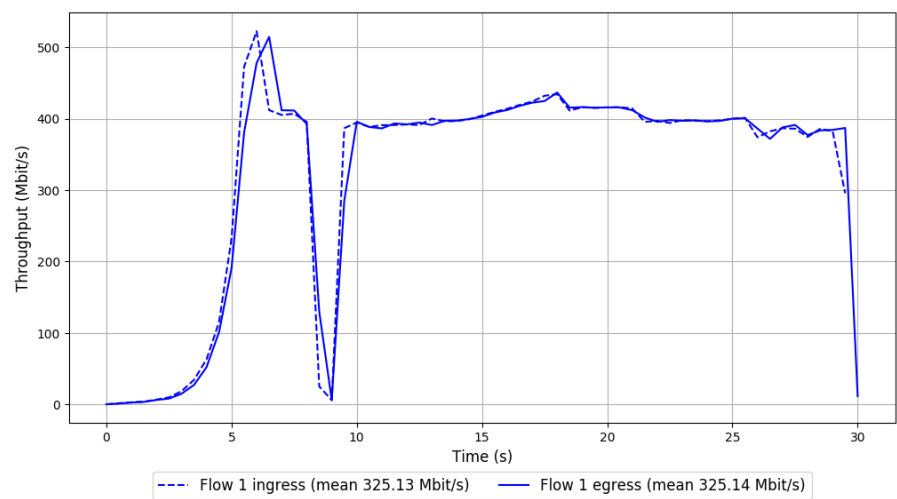
-- Flow 1:

Average throughput: 325.14 Mbit/s

95th percentile per-packet one-way delay: 142.195 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-03-06 12:56:58

End at: 2018-03-06 12:57:28

Below is generated by plot.py at 2018-03-06 16:45:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.34 Mbit/s

95th percentile per-packet one-way delay: 137.294 ms

Loss rate: 0.00%

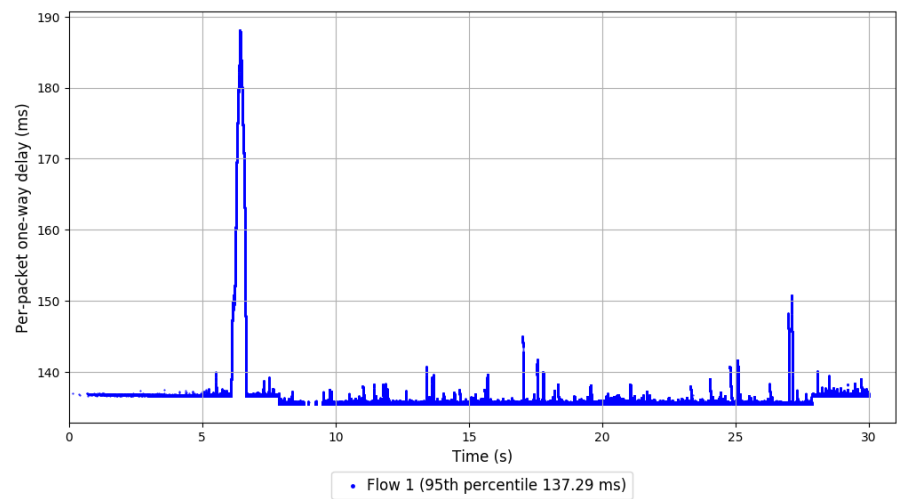
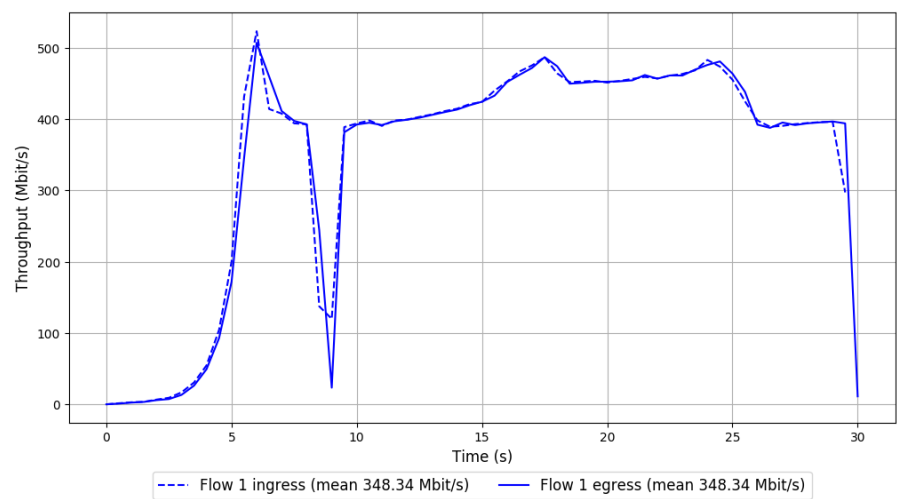
-- Flow 1:

Average throughput: 348.34 Mbit/s

95th percentile per-packet one-way delay: 137.294 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-03-06 13:13:13

End at: 2018-03-06 13:13:43

Below is generated by plot.py at 2018-03-06 16:45:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.01 Mbit/s

95th percentile per-packet one-way delay: 137.314 ms

Loss rate: 0.00%

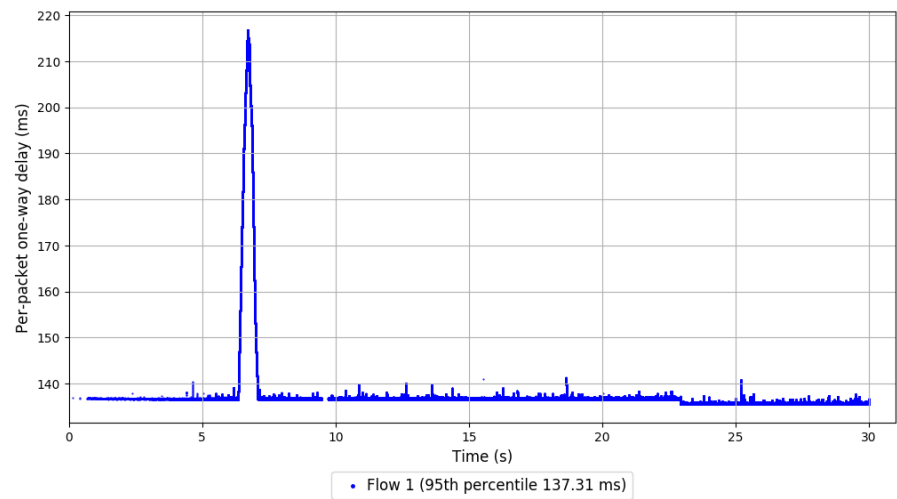
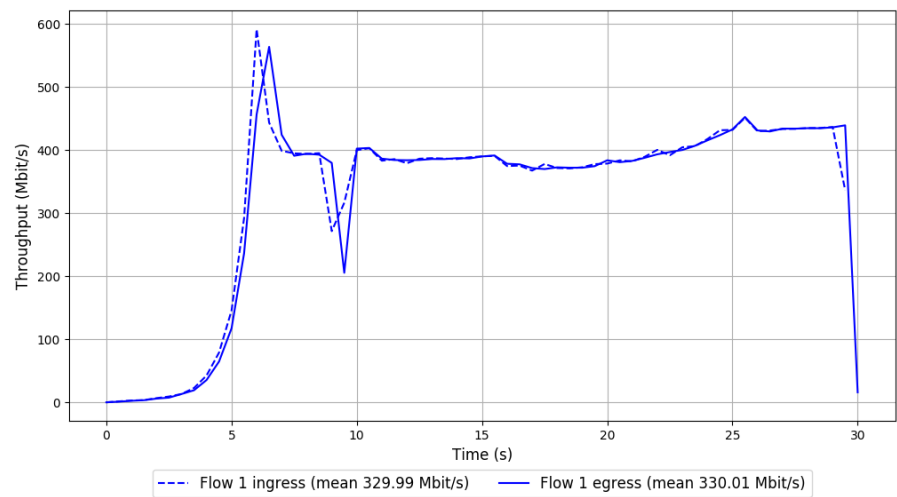
-- Flow 1:

Average throughput: 330.01 Mbit/s

95th percentile per-packet one-way delay: 137.314 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-06 13:29:19

End at: 2018-03-06 13:29:49

Below is generated by plot.py at 2018-03-06 16:45:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.53 Mbit/s

95th percentile per-packet one-way delay: 142.881 ms

Loss rate: 0.00%

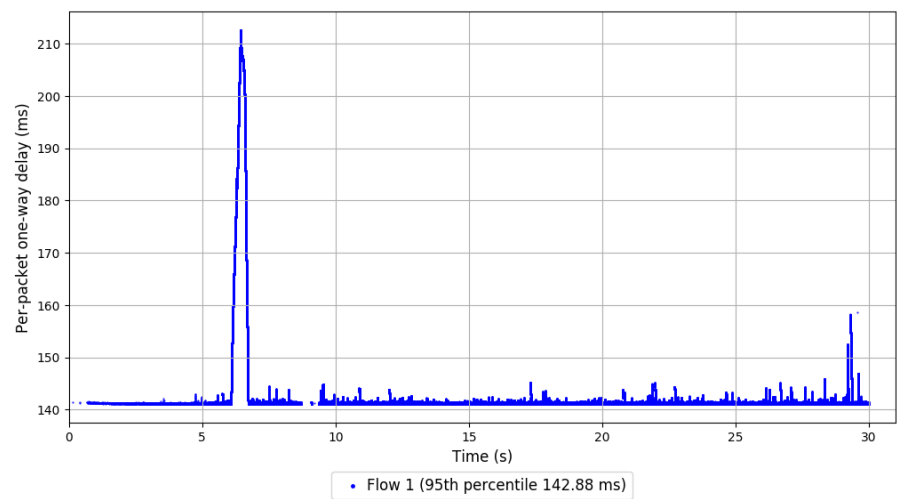
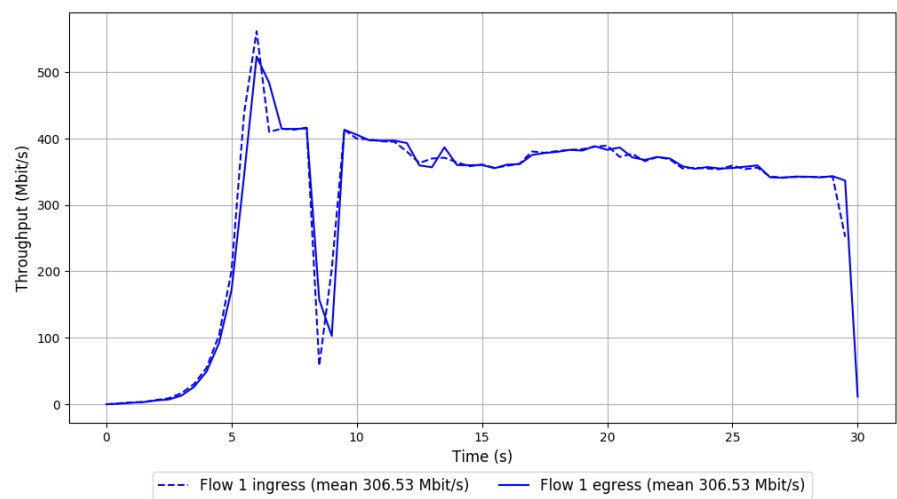
-- Flow 1:

Average throughput: 306.53 Mbit/s

95th percentile per-packet one-way delay: 142.881 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-03-06 13:45:19

End at: 2018-03-06 13:45:49

Below is generated by plot.py at 2018-03-06 16:45:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.70 Mbit/s

95th percentile per-packet one-way delay: 138.248 ms

Loss rate: 0.00%

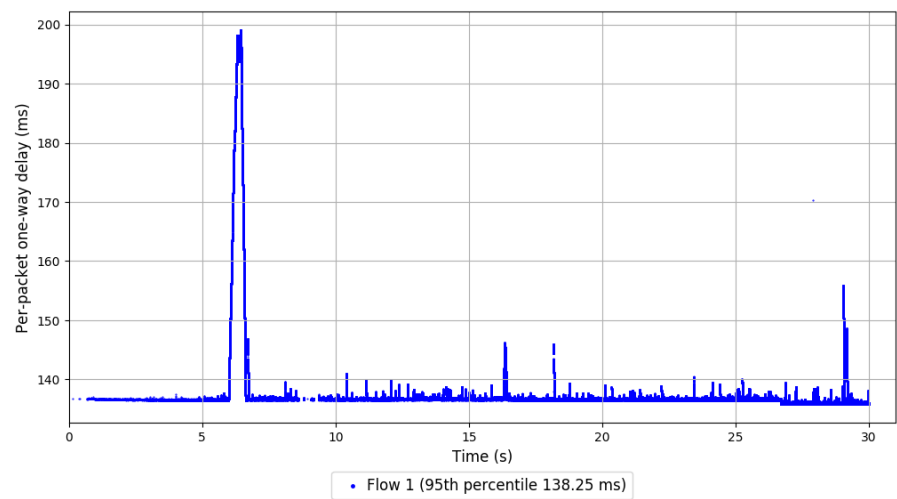
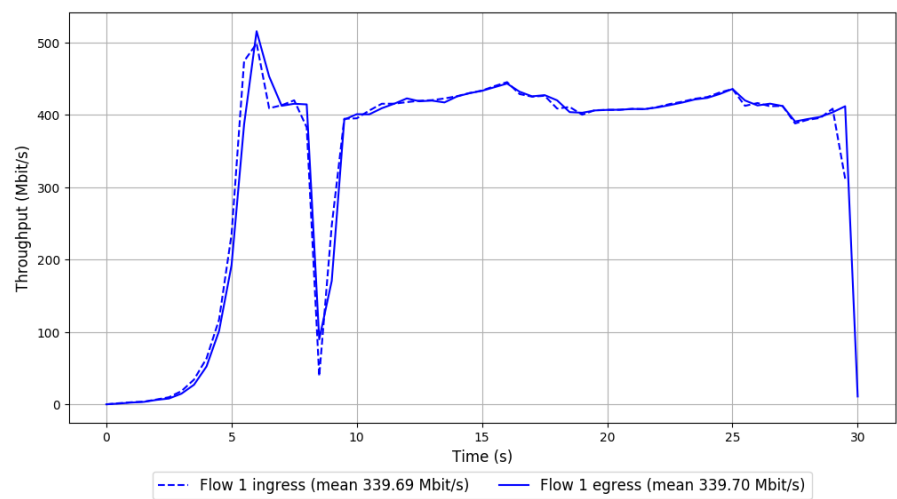
-- Flow 1:

Average throughput: 339.70 Mbit/s

95th percentile per-packet one-way delay: 138.248 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-03-06 14:01:19

End at: 2018-03-06 14:01:49

Below is generated by plot.py at 2018-03-06 16:45:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.39 Mbit/s

95th percentile per-packet one-way delay: 141.113 ms

Loss rate: 0.00%

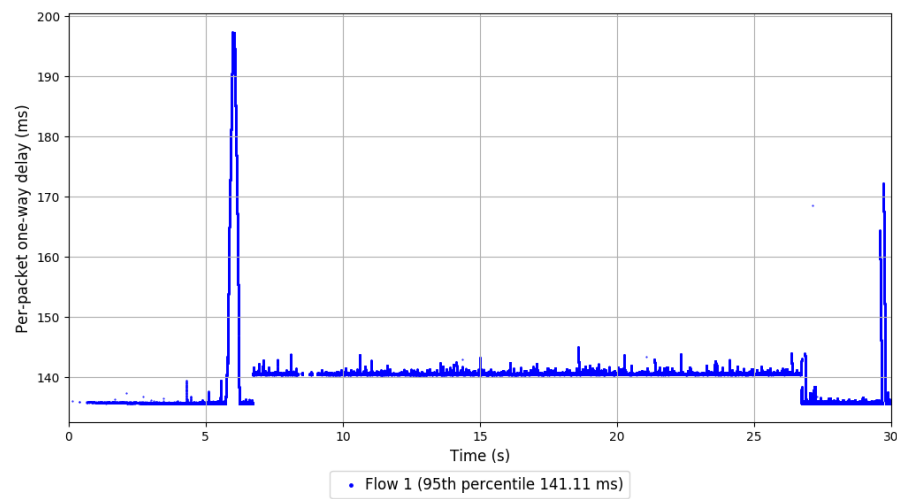
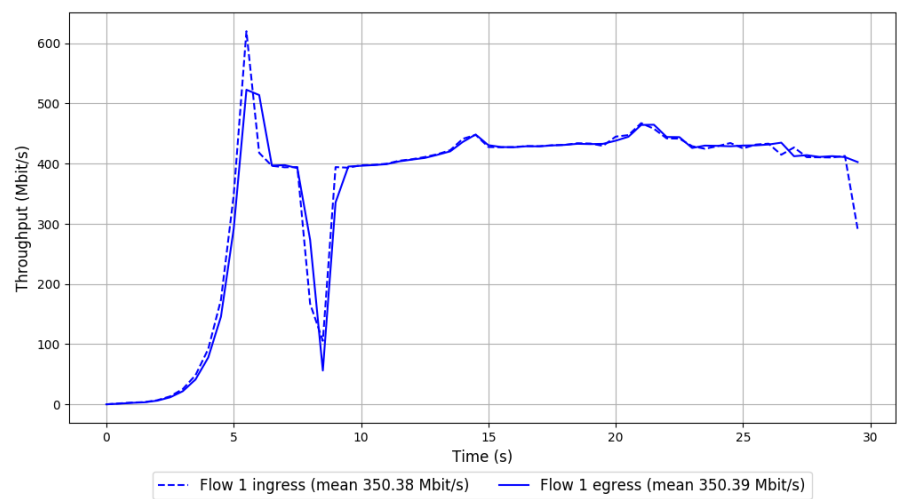
-- Flow 1:

Average throughput: 350.39 Mbit/s

95th percentile per-packet one-way delay: 141.113 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-03-06 14:17:08

End at: 2018-03-06 14:17:38

Below is generated by plot.py at 2018-03-06 16:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.77 Mbit/s

95th percentile per-packet one-way delay: 152.550 ms

Loss rate: 0.00%

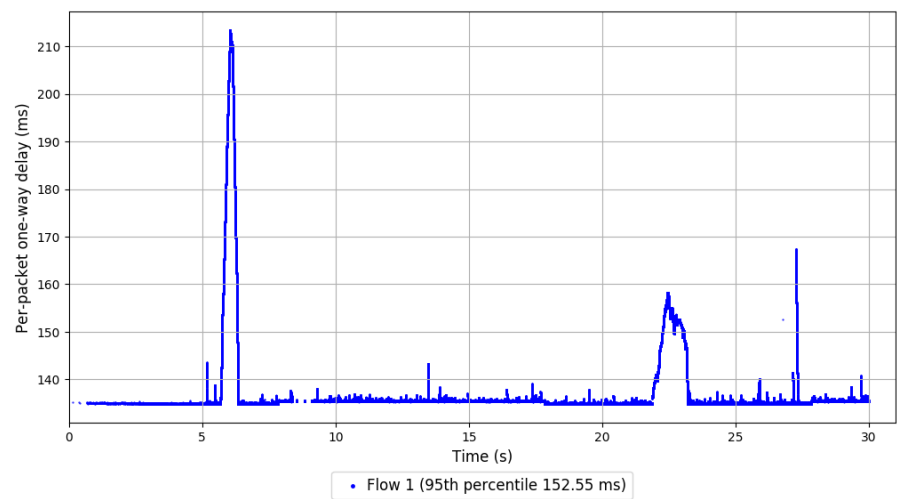
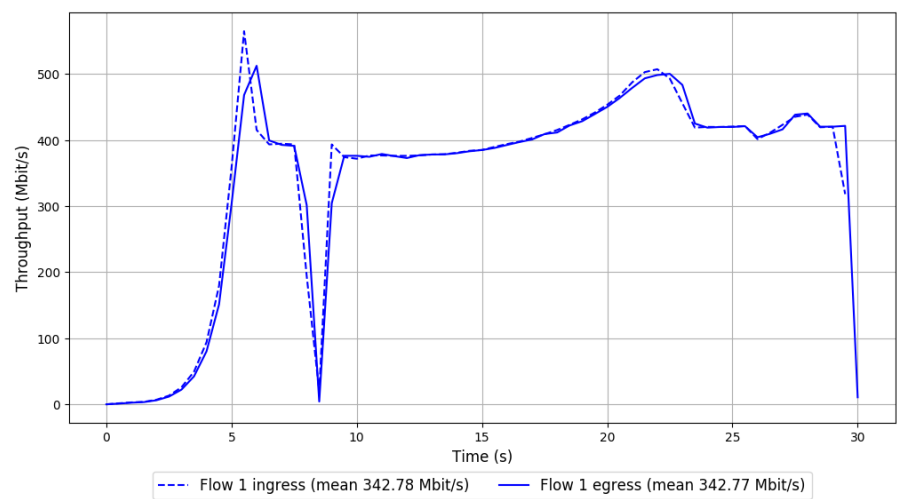
-- Flow 1:

Average throughput: 342.77 Mbit/s

95th percentile per-packet one-way delay: 152.550 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-03-06 14:33:17

End at: 2018-03-06 14:33:47

Below is generated by plot.py at 2018-03-06 16:47:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.80 Mbit/s

95th percentile per-packet one-way delay: 136.492 ms

Loss rate: 0.00%

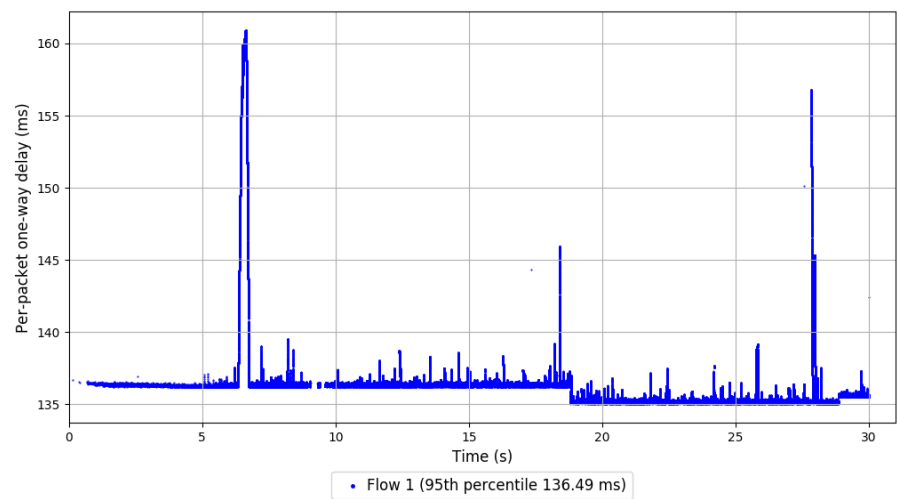
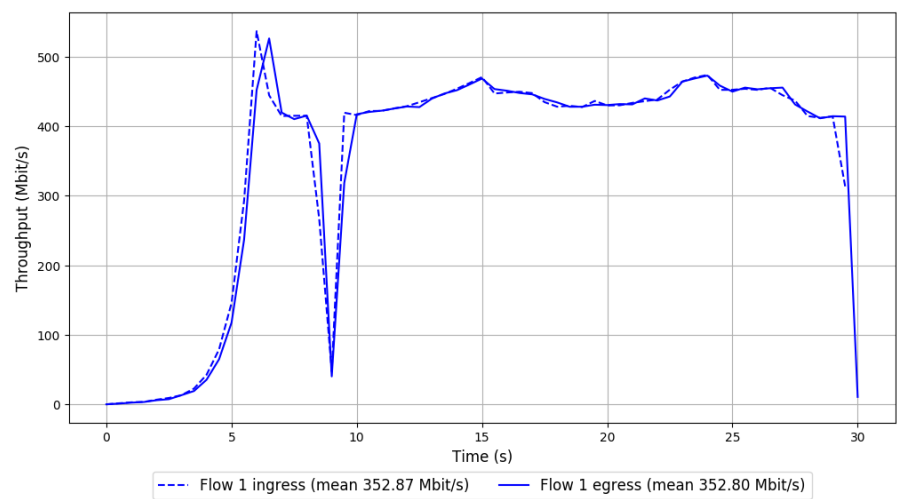
-- Flow 1:

Average throughput: 352.80 Mbit/s

95th percentile per-packet one-way delay: 136.492 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

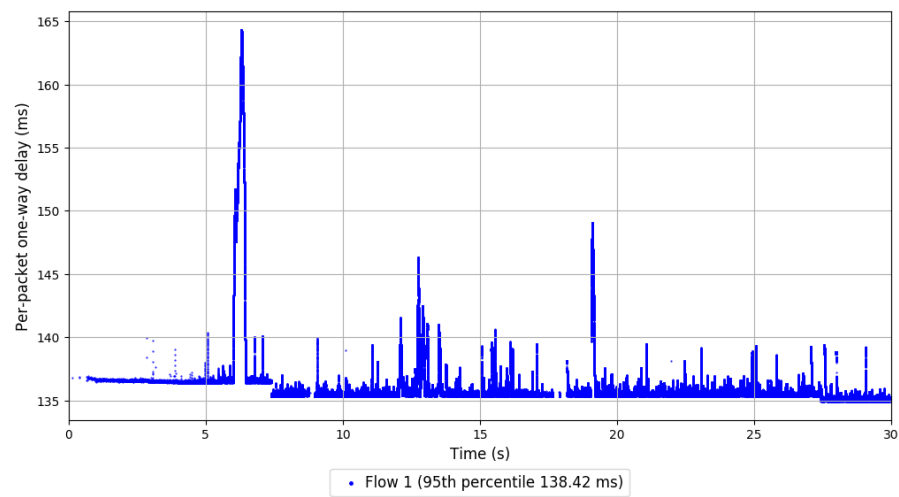
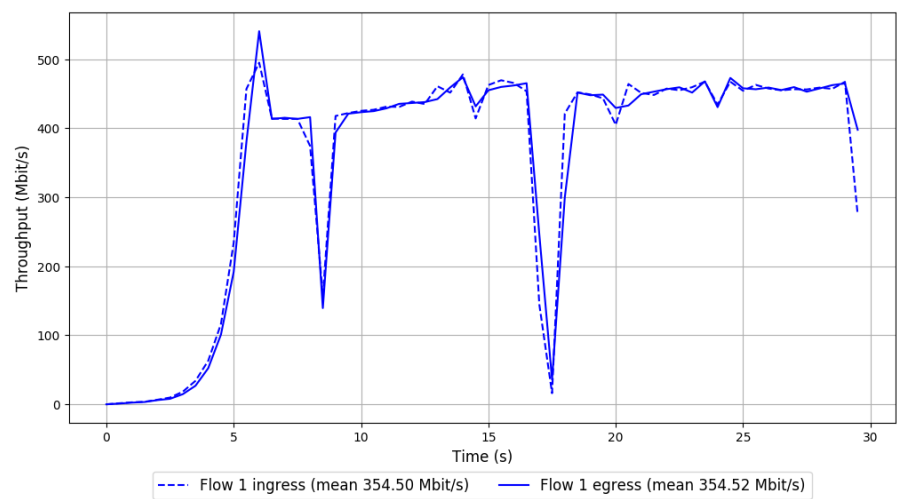


```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-06 11:56:48
End at: 2018-03-06 11:57:18

# Below is generated by plot.py at 2018-03-06 16:47:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 354.52 Mbit/s
95th percentile per-packet one-way delay: 138.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 354.52 Mbit/s
95th percentile per-packet one-way delay: 138.416 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-03-06 12:12:45

End at: 2018-03-06 12:13:15

Below is generated by plot.py at 2018-03-06 16:48:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.75 Mbit/s

95th percentile per-packet one-way delay: 147.202 ms

Loss rate: 0.00%

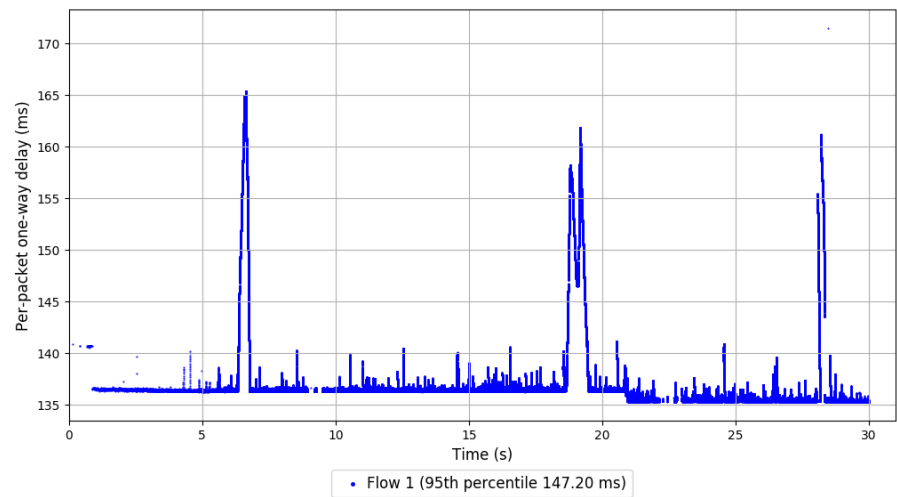
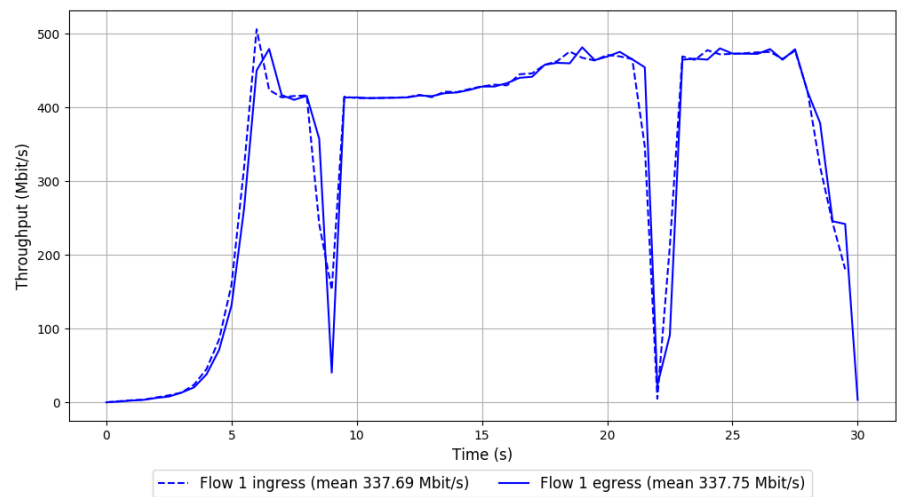
-- Flow 1:

Average throughput: 337.75 Mbit/s

95th percentile per-packet one-way delay: 147.202 ms

Loss rate: 0.00%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-03-06 12:28:38

End at: 2018-03-06 12:29:08

Below is generated by plot.py at 2018-03-06 16:50:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.66 Mbit/s

95th percentile per-packet one-way delay: 139.557 ms

Loss rate: 0.00%

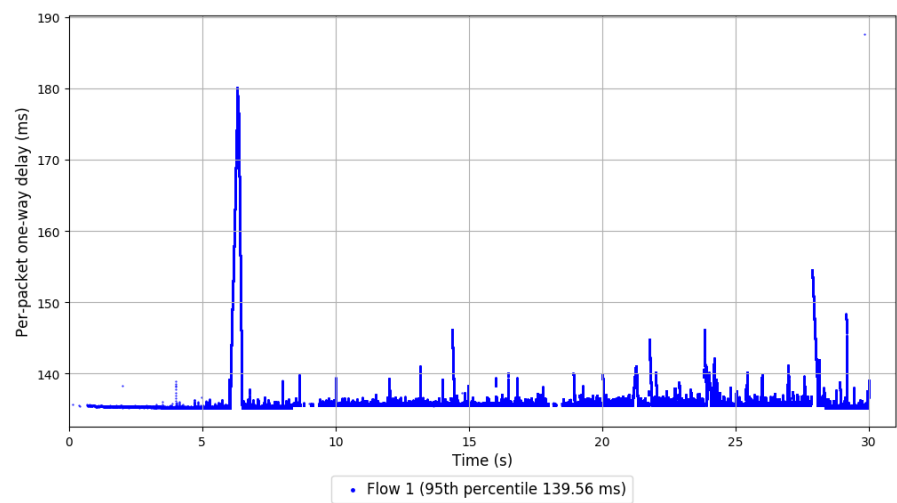
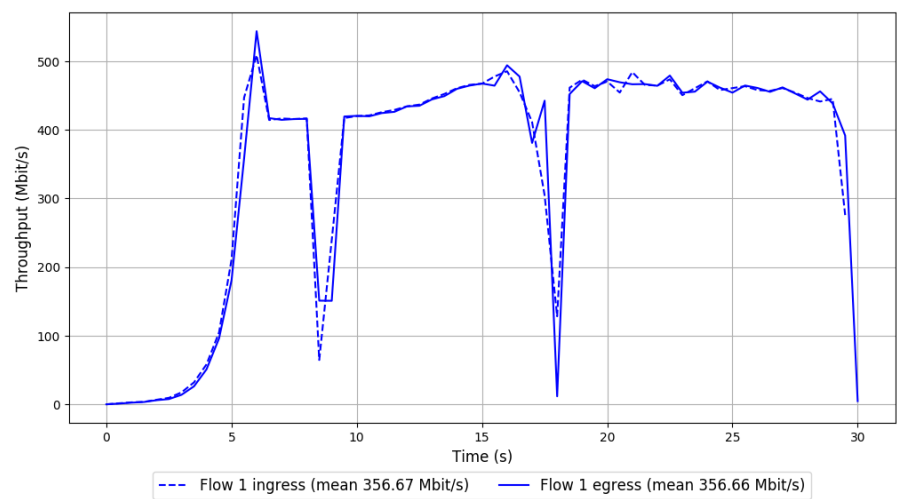
-- Flow 1:

Average throughput: 356.66 Mbit/s

95th percentile per-packet one-way delay: 139.557 ms

Loss rate: 0.00%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-03-06 12:44:37

End at: 2018-03-06 12:45:07

Below is generated by plot.py at 2018-03-06 16:50:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.66 Mbit/s

95th percentile per-packet one-way delay: 210.842 ms

Loss rate: 0.02%

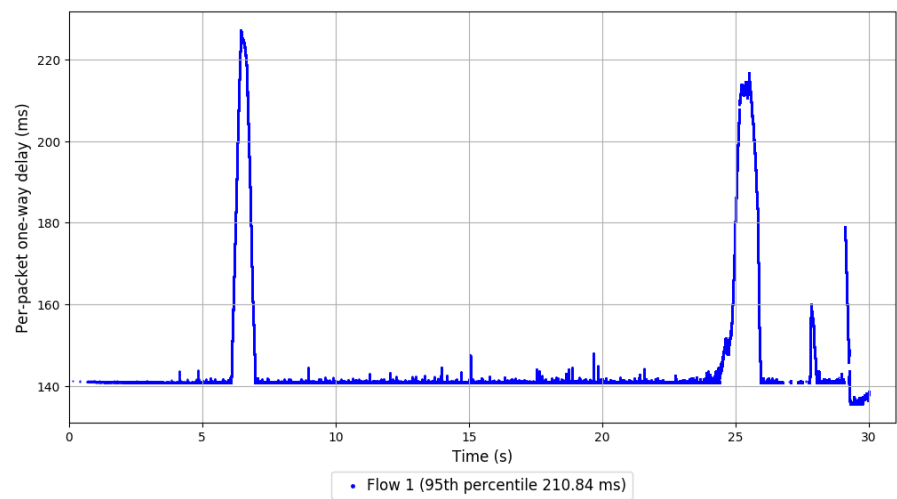
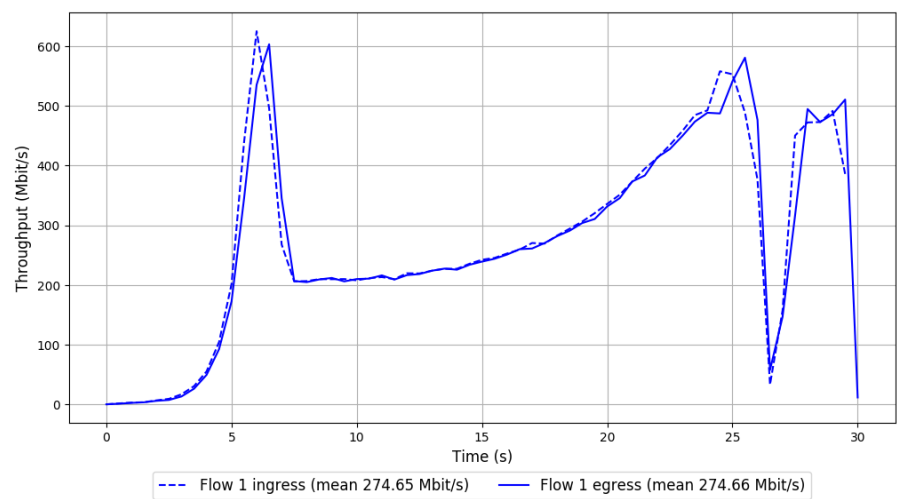
-- Flow 1:

Average throughput: 274.66 Mbit/s

95th percentile per-packet one-way delay: 210.842 ms

Loss rate: 0.02%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-06 13:00:41

End at: 2018-03-06 13:01:11

Below is generated by plot.py at 2018-03-06 16:51:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.22 Mbit/s

95th percentile per-packet one-way delay: 144.715 ms

Loss rate: 0.00%

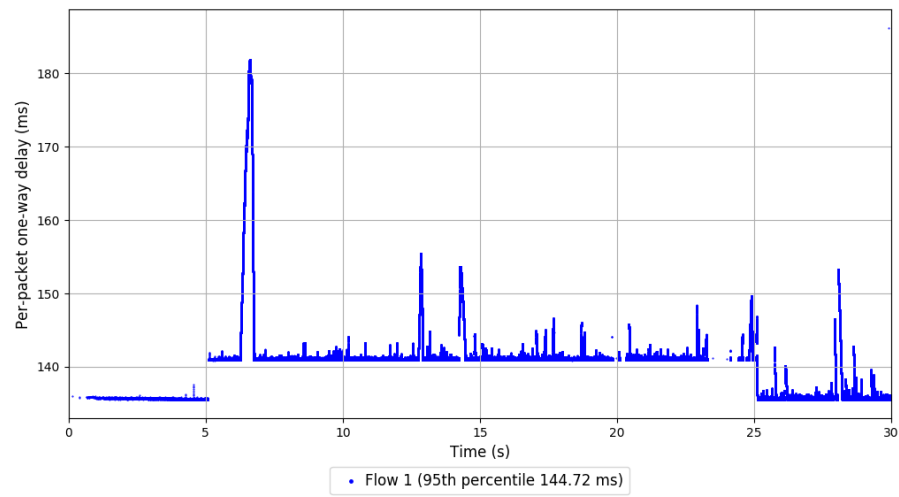
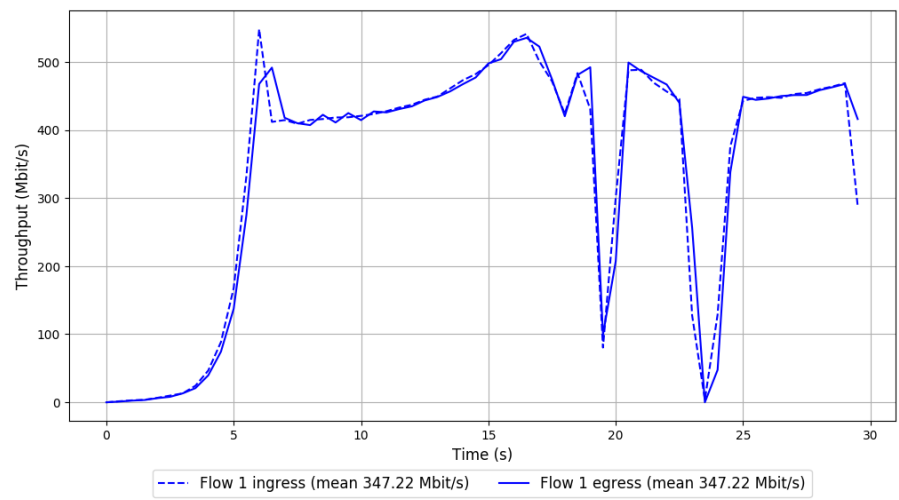
-- Flow 1:

Average throughput: 347.22 Mbit/s

95th percentile per-packet one-way delay: 144.715 ms

Loss rate: 0.00%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-06 13:16:52

End at: 2018-03-06 13:17:22

Below is generated by plot.py at 2018-03-06 16:51:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.76 Mbit/s

95th percentile per-packet one-way delay: 269.976 ms

Loss rate: 2.48%

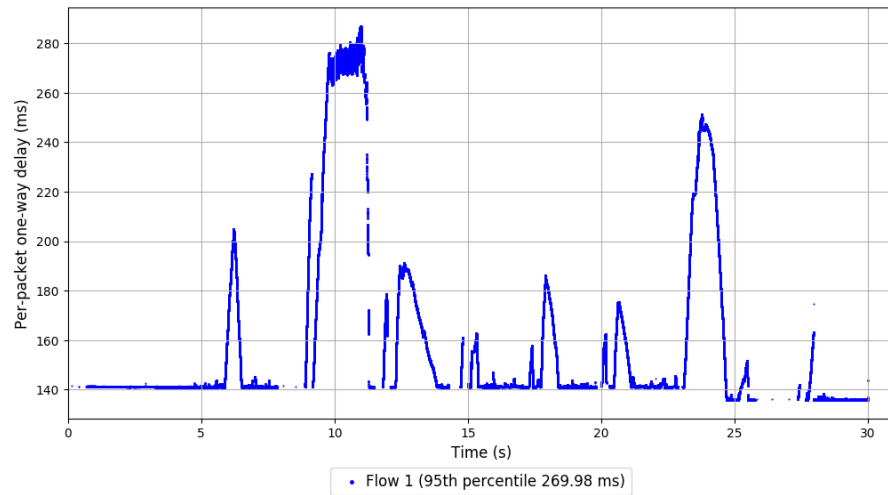
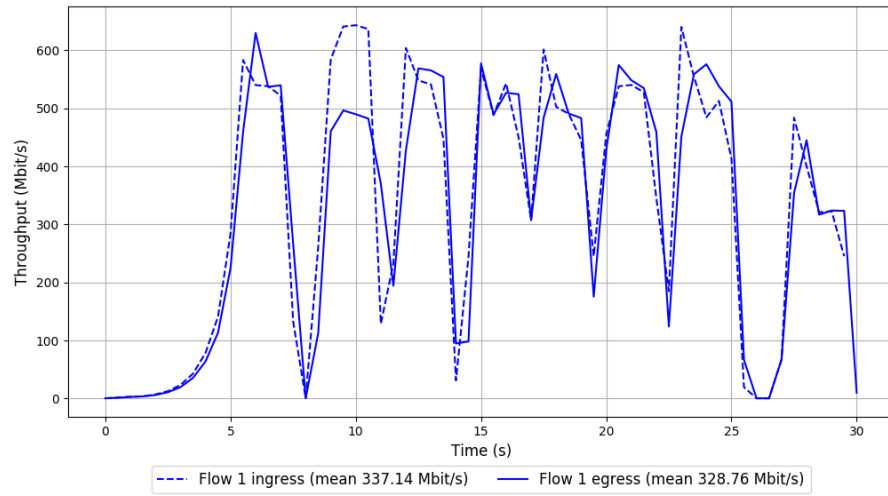
-- Flow 1:

Average throughput: 328.76 Mbit/s

95th percentile per-packet one-way delay: 269.976 ms

Loss rate: 2.48%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-03-06 13:32:59

End at: 2018-03-06 13:33:29

Below is generated by plot.py at 2018-03-06 16:51:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.33 Mbit/s

95th percentile per-packet one-way delay: 137.409 ms

Loss rate: 0.00%

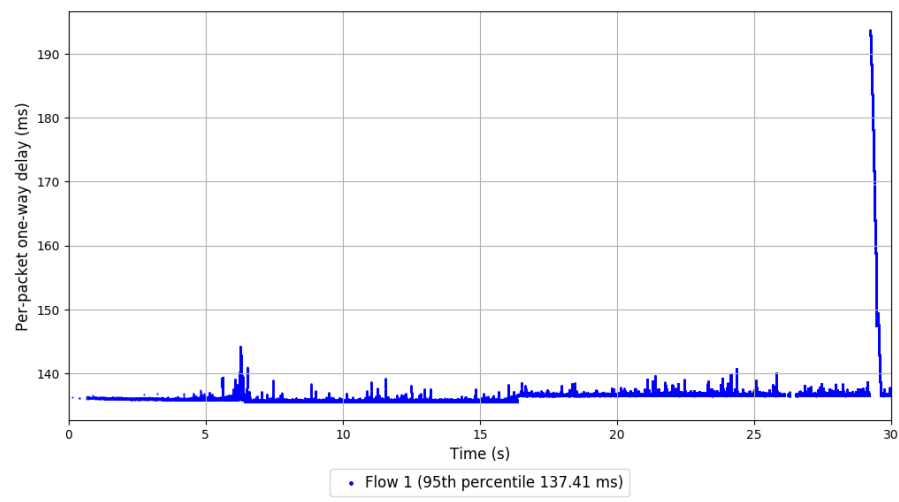
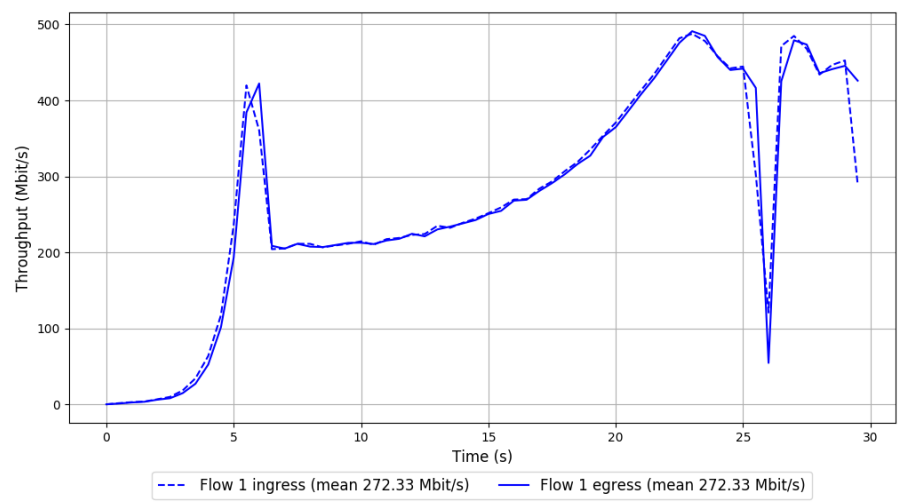
-- Flow 1:

Average throughput: 272.33 Mbit/s

95th percentile per-packet one-way delay: 137.409 ms

Loss rate: 0.00%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-06 13:48:58

End at: 2018-03-06 13:49:28

Below is generated by plot.py at 2018-03-06 16:53:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.49 Mbit/s

95th percentile per-packet one-way delay: 154.710 ms

Loss rate: 0.01%

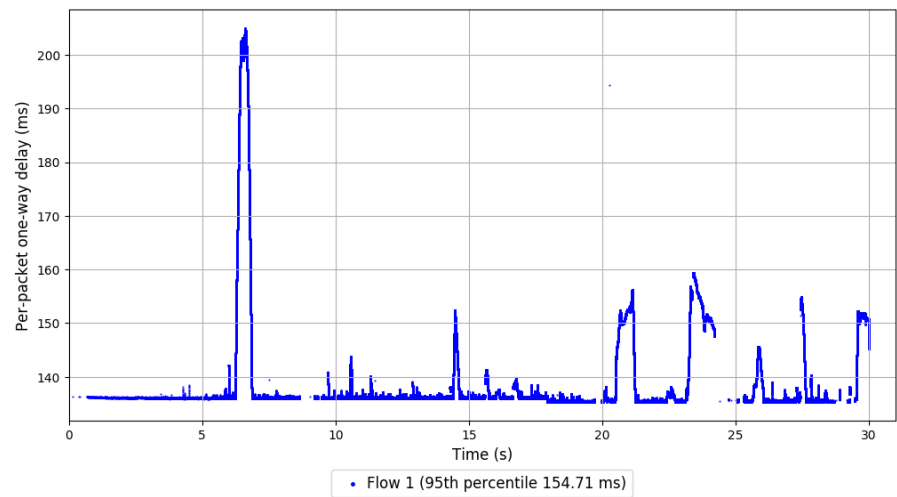
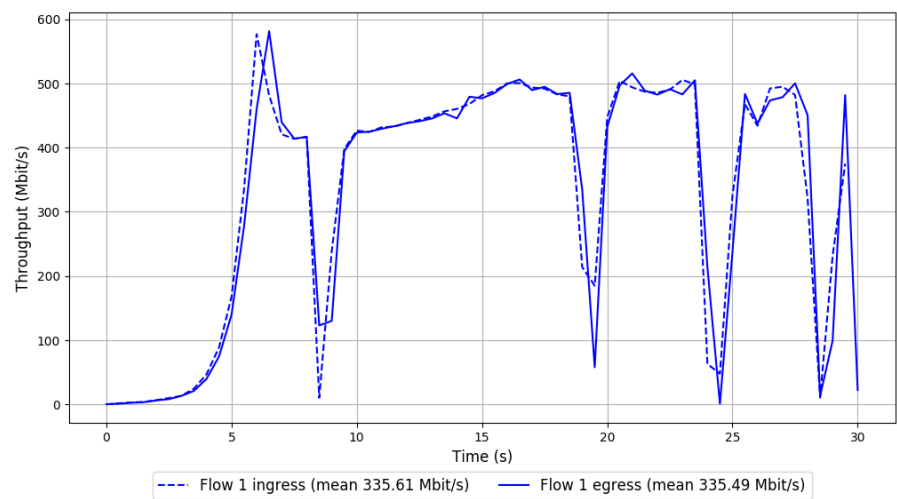
-- Flow 1:

Average throughput: 335.49 Mbit/s

95th percentile per-packet one-way delay: 154.710 ms

Loss rate: 0.01%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-03-06 14:04:59

End at: 2018-03-06 14:05:29

Below is generated by plot.py at 2018-03-06 16:53:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.28 Mbit/s

95th percentile per-packet one-way delay: 196.549 ms

Loss rate: 0.61%

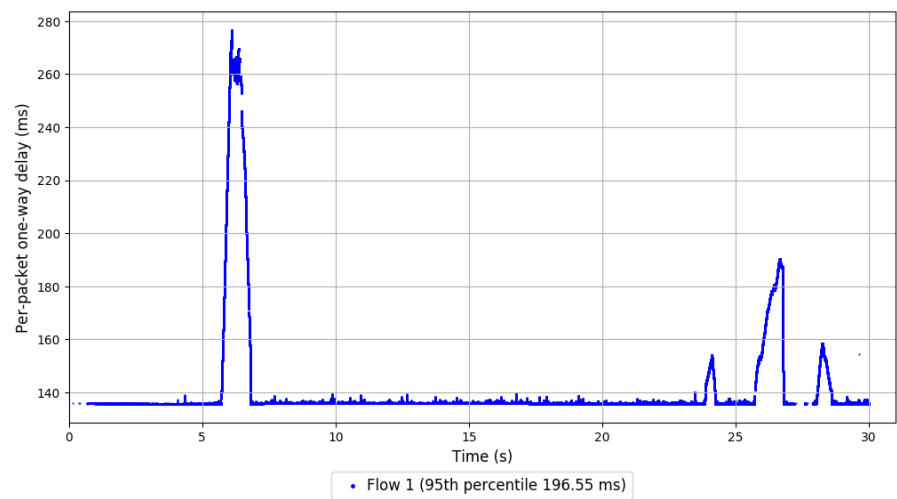
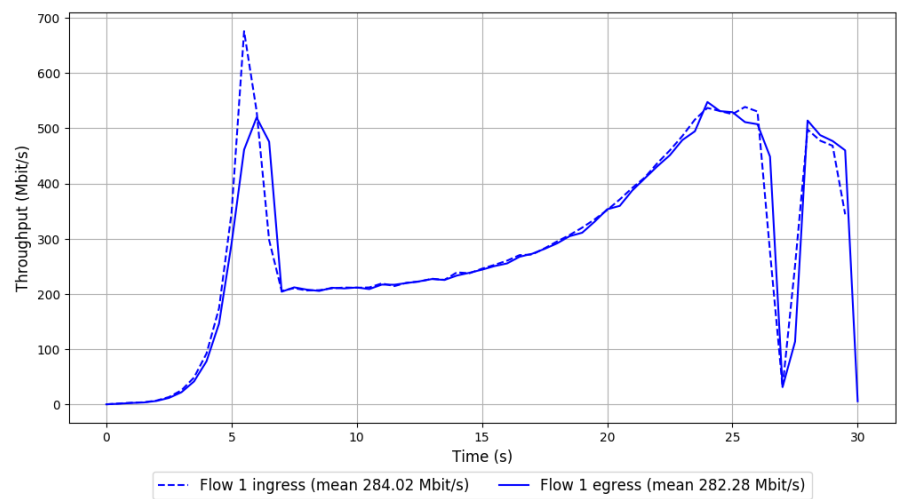
-- Flow 1:

Average throughput: 282.28 Mbit/s

95th percentile per-packet one-way delay: 196.549 ms

Loss rate: 0.61%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-03-06 14:20:51

End at: 2018-03-06 14:21:21

Below is generated by plot.py at 2018-03-06 16:54:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.63 Mbit/s

95th percentile per-packet one-way delay: 201.621 ms

Loss rate: 0.00%

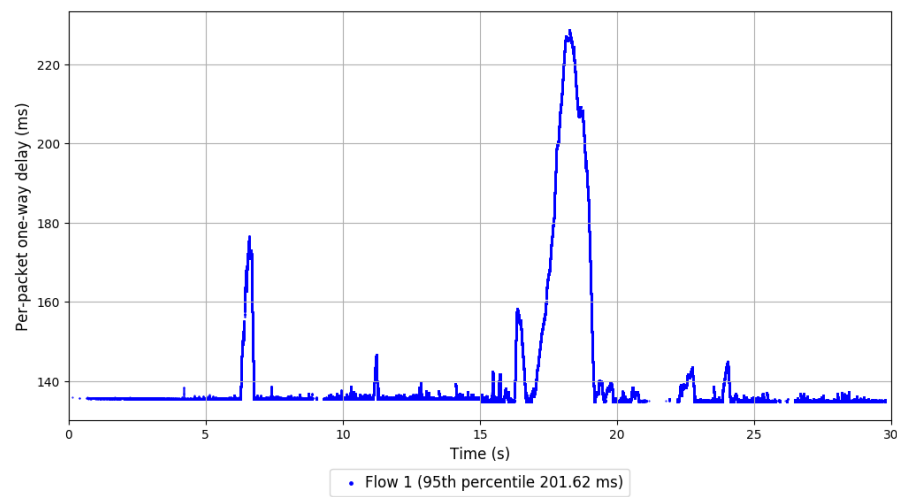
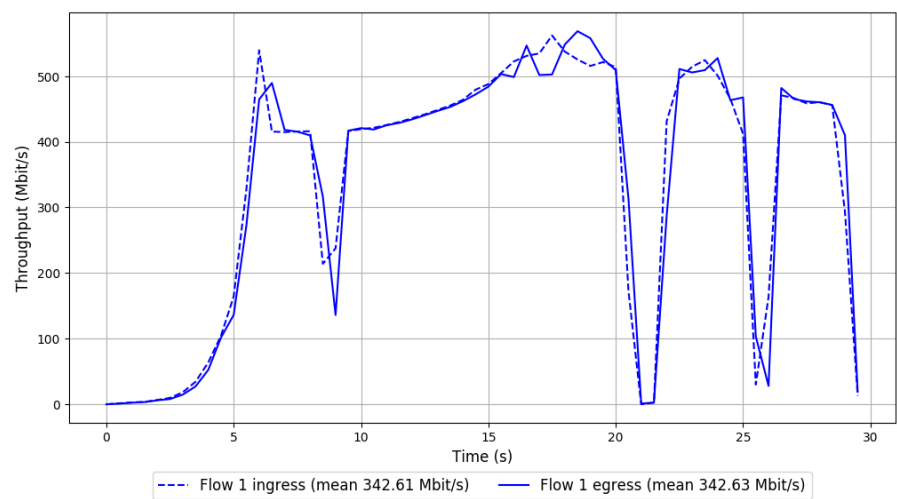
-- Flow 1:

Average throughput: 342.63 Mbit/s

95th percentile per-packet one-way delay: 201.621 ms

Loss rate: 0.00%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-03-06 12:06:38

End at: 2018-03-06 12:07:08

Below is generated by plot.py at 2018-03-06 16:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.33 Mbit/s

95th percentile per-packet one-way delay: 146.336 ms

Loss rate: 0.00%

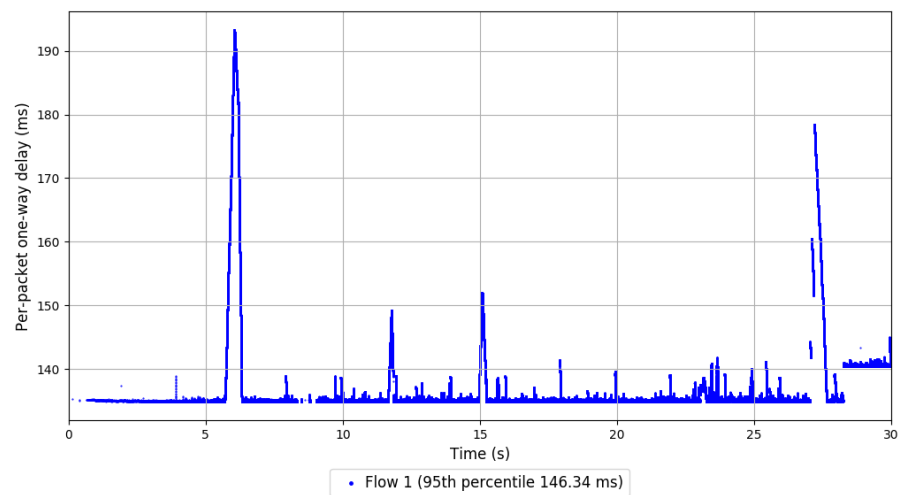
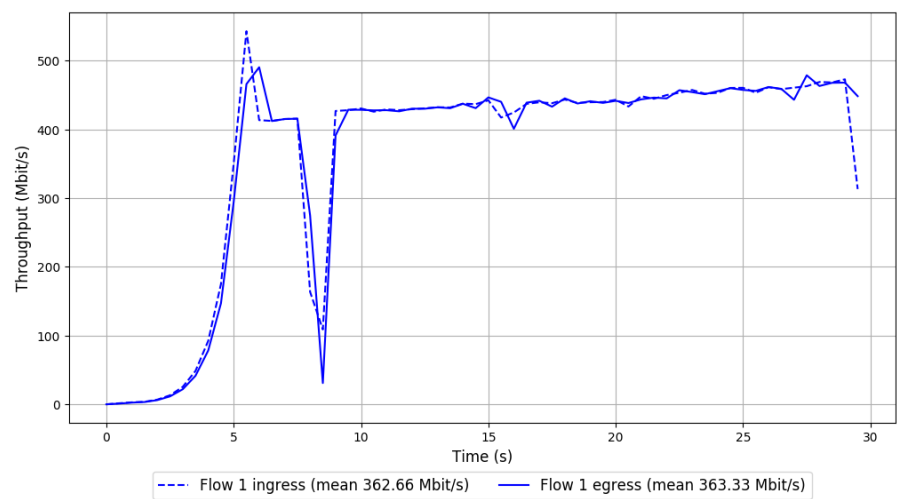
-- Flow 1:

Average throughput: 363.33 Mbit/s

95th percentile per-packet one-way delay: 146.336 ms

Loss rate: 0.00%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-03-06 12:22:24

End at: 2018-03-06 12:22:54

Below is generated by plot.py at 2018-03-06 16:56:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.62 Mbit/s

95th percentile per-packet one-way delay: 142.627 ms

Loss rate: 0.02%

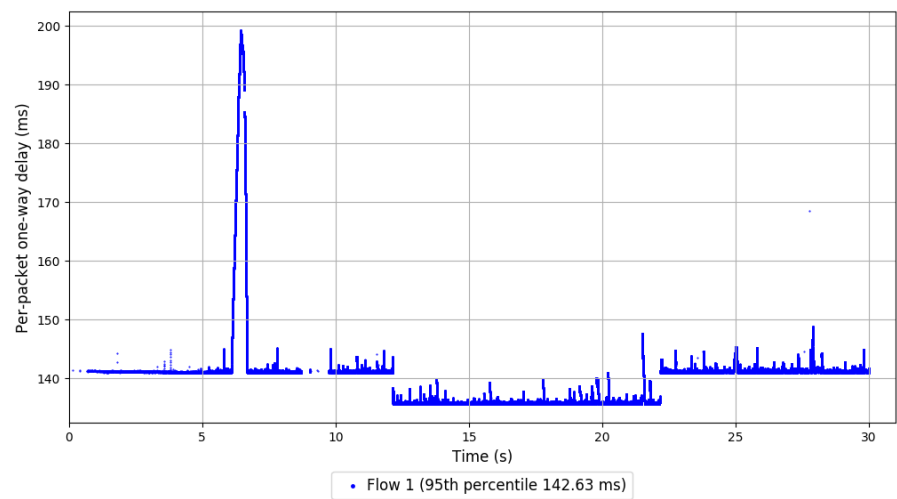
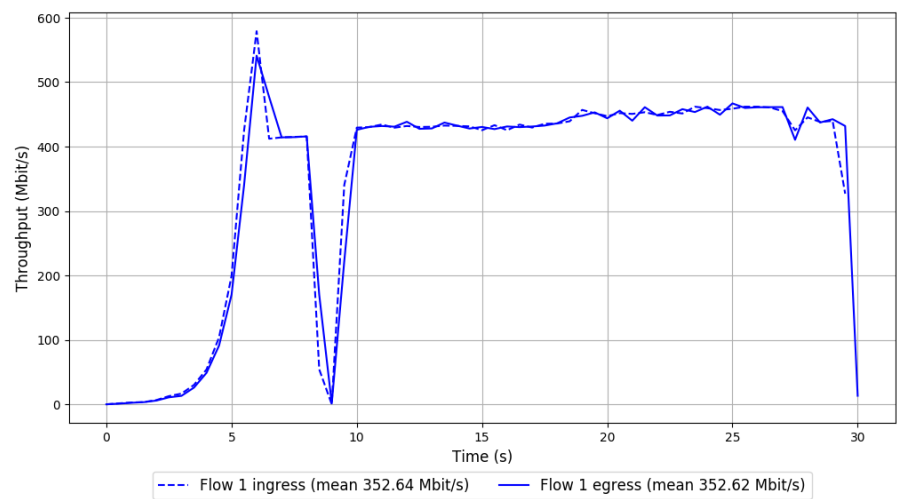
-- Flow 1:

Average throughput: 352.62 Mbit/s

95th percentile per-packet one-way delay: 142.627 ms

Loss rate: 0.02%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-03-06 12:38:16

End at: 2018-03-06 12:38:46

Below is generated by plot.py at 2018-03-06 16:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.98 Mbit/s

95th percentile per-packet one-way delay: 136.913 ms

Loss rate: 0.00%

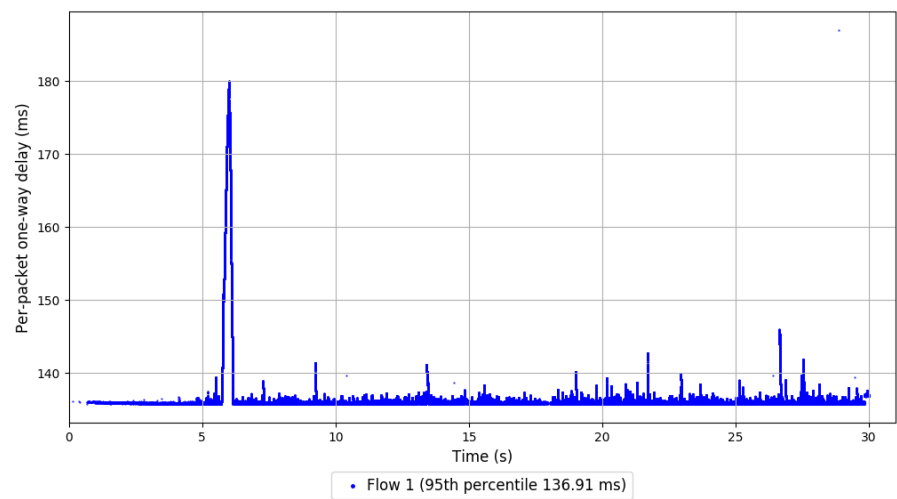
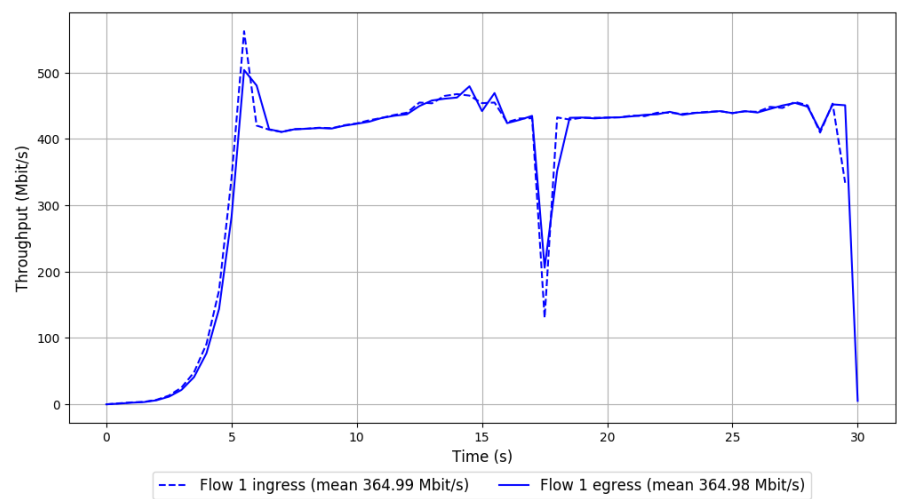
-- Flow 1:

Average throughput: 364.98 Mbit/s

95th percentile per-packet one-way delay: 136.913 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-03-06 12:54:20

End at: 2018-03-06 12:54:50

Below is generated by plot.py at 2018-03-06 16:57:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.05 Mbit/s

95th percentile per-packet one-way delay: 136.948 ms

Loss rate: 0.00%

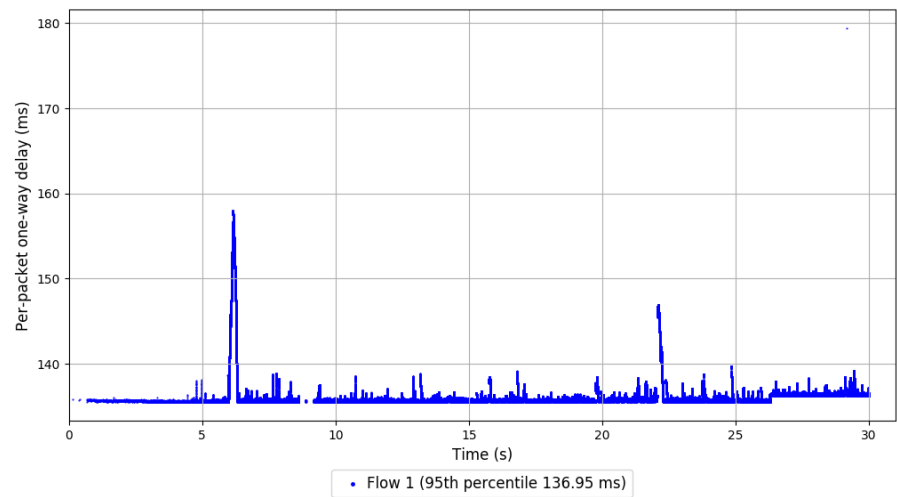
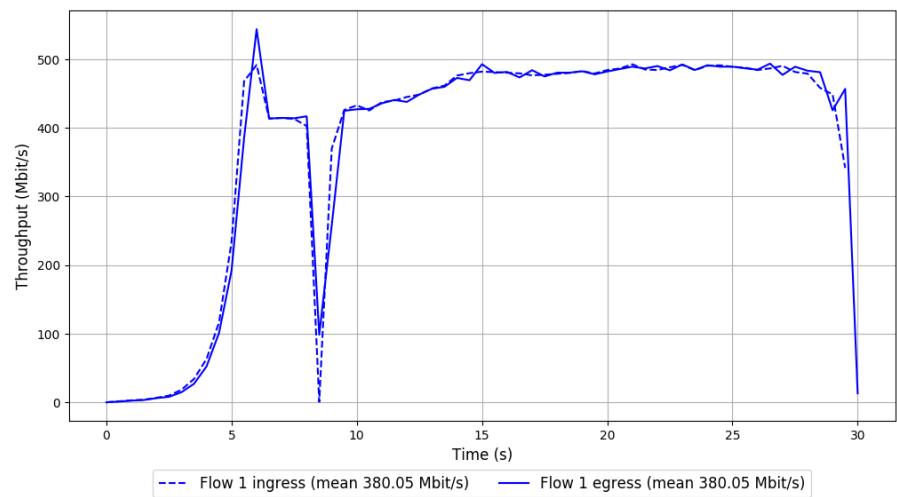
-- Flow 1:

Average throughput: 380.05 Mbit/s

95th percentile per-packet one-way delay: 136.948 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-03-06 13:10:29

End at: 2018-03-06 13:10:59

Below is generated by plot.py at 2018-03-06 16:58:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.51 Mbit/s

95th percentile per-packet one-way delay: 144.169 ms

Loss rate: 0.00%

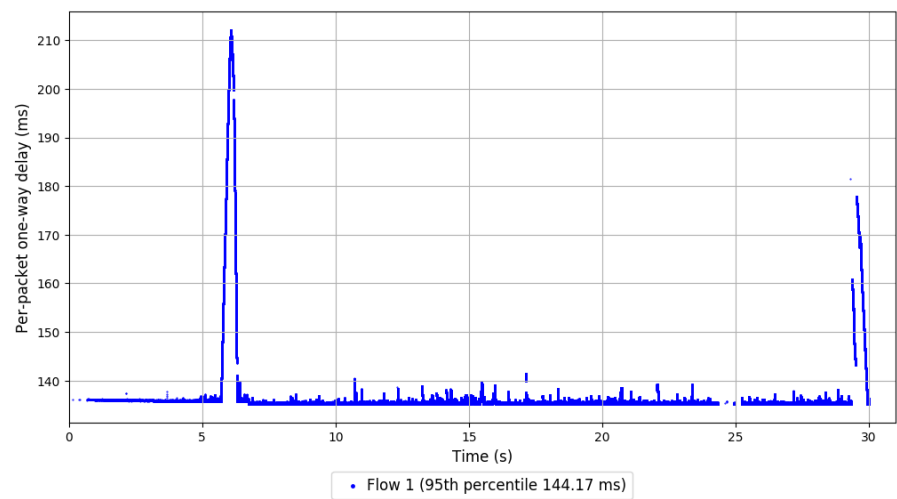
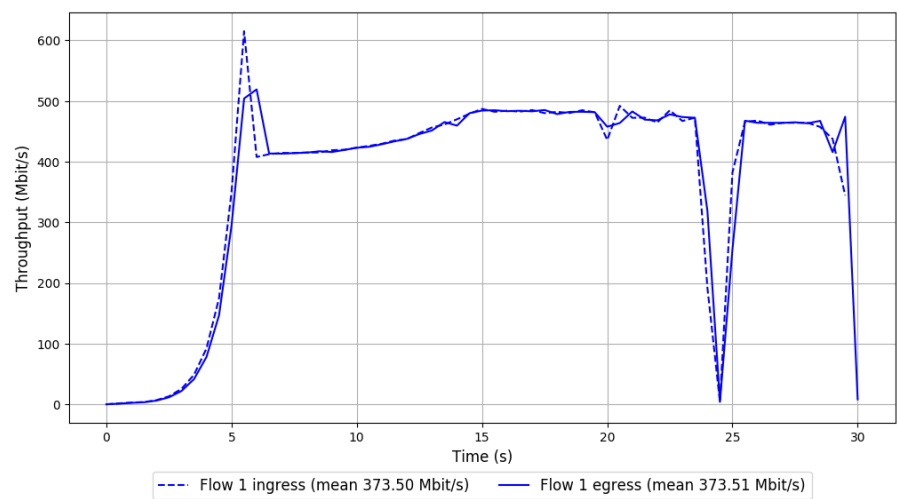
-- Flow 1:

Average throughput: 373.51 Mbit/s

95th percentile per-packet one-way delay: 144.169 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-03-06 13:26:37

End at: 2018-03-06 13:27:07

Below is generated by plot.py at 2018-03-06 16:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.78 Mbit/s

95th percentile per-packet one-way delay: 143.011 ms

Loss rate: 0.00%

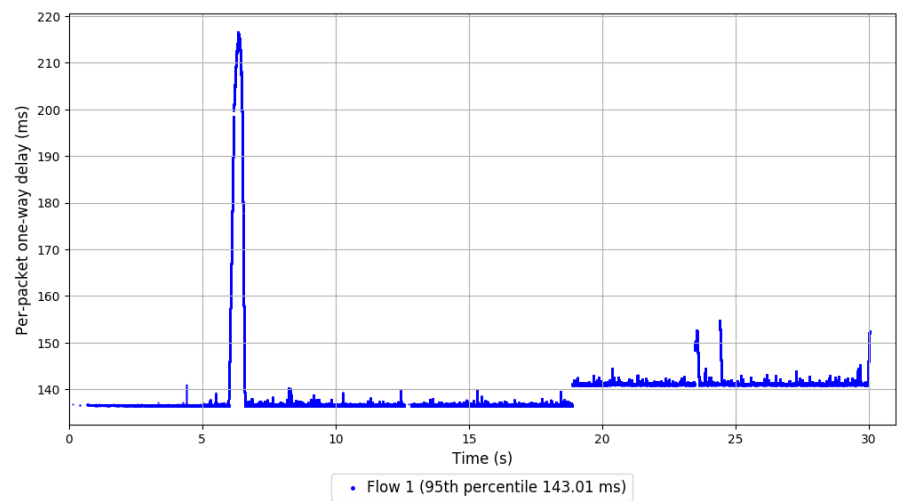
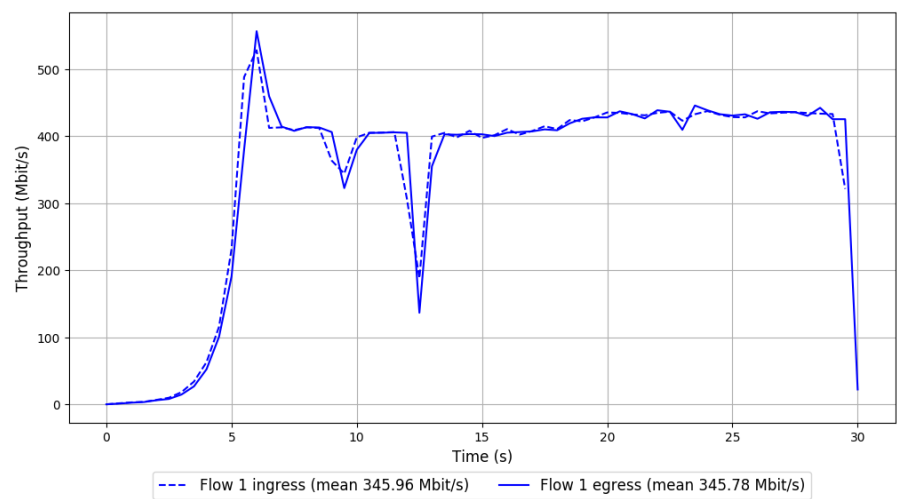
-- Flow 1:

Average throughput: 345.78 Mbit/s

95th percentile per-packet one-way delay: 143.011 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-03-06 13:42:38

End at: 2018-03-06 13:43:09

Below is generated by plot.py at 2018-03-06 16:58:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.90 Mbit/s

95th percentile per-packet one-way delay: 143.408 ms

Loss rate: 0.00%

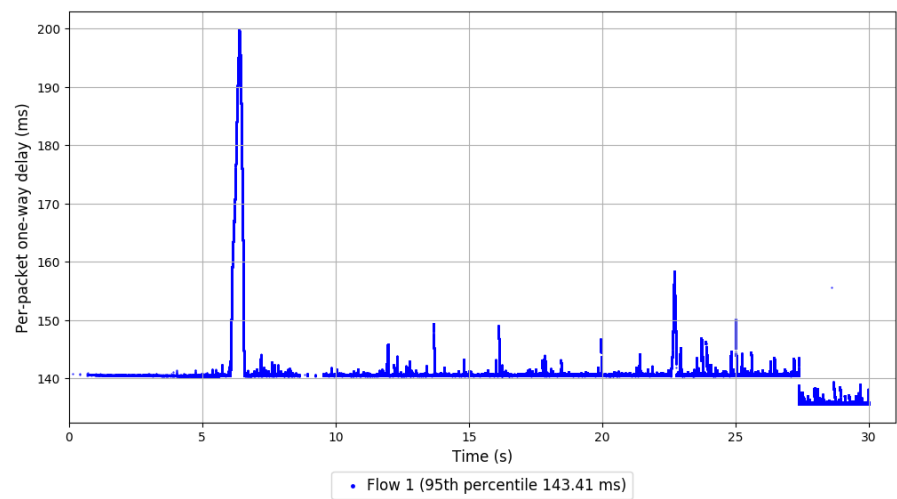
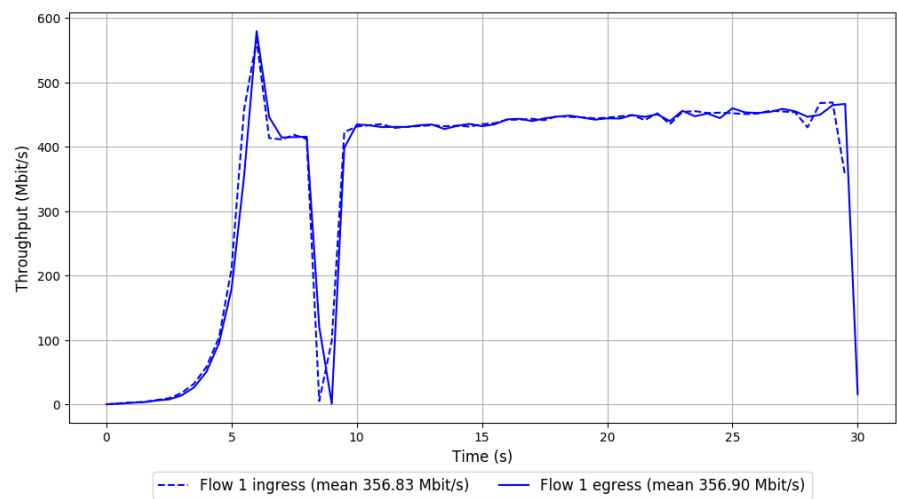
-- Flow 1:

Average throughput: 356.90 Mbit/s

95th percentile per-packet one-way delay: 143.408 ms

Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-03-06 13:58:38

End at: 2018-03-06 13:59:09

Below is generated by plot.py at 2018-03-06 16:59:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.14 Mbit/s

95th percentile per-packet one-way delay: 150.447 ms

Loss rate: 0.06%

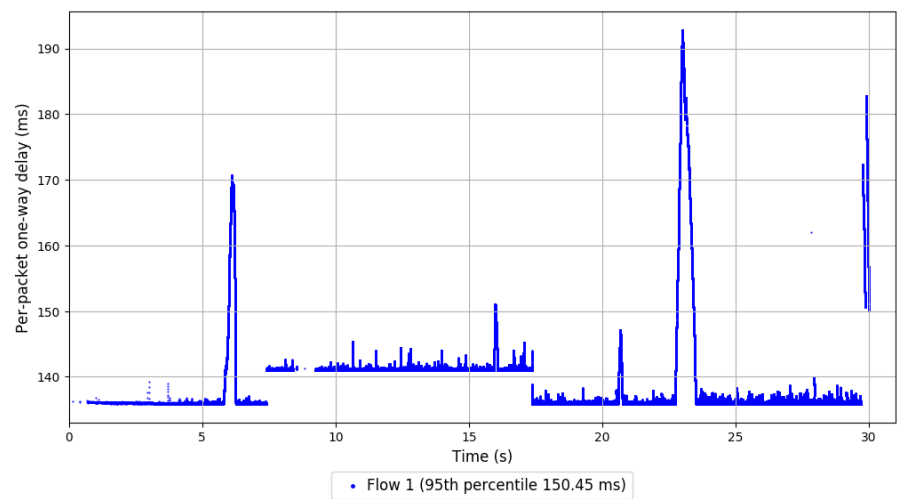
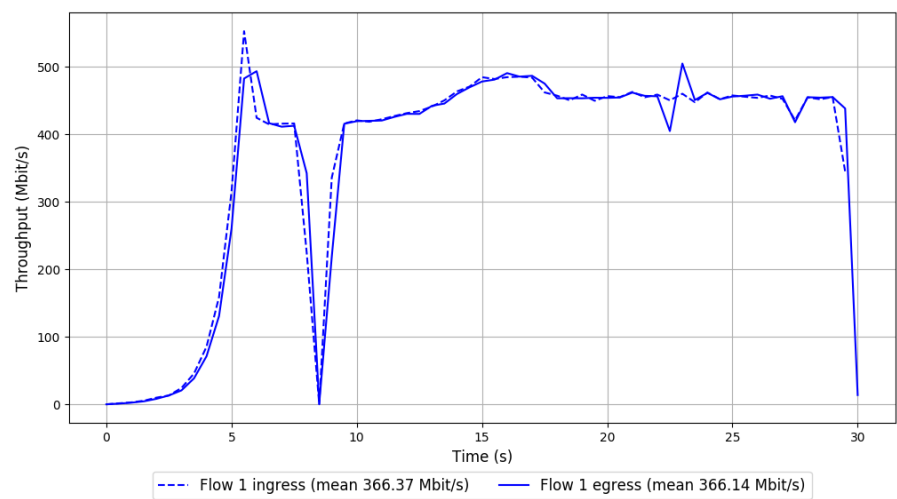
-- Flow 1:

Average throughput: 366.14 Mbit/s

95th percentile per-packet one-way delay: 150.447 ms

Loss rate: 0.06%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-03-06 14:14:28

End at: 2018-03-06 14:14:59

Below is generated by plot.py at 2018-03-06 16:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.43 Mbit/s

95th percentile per-packet one-way delay: 148.585 ms

Loss rate: 0.00%

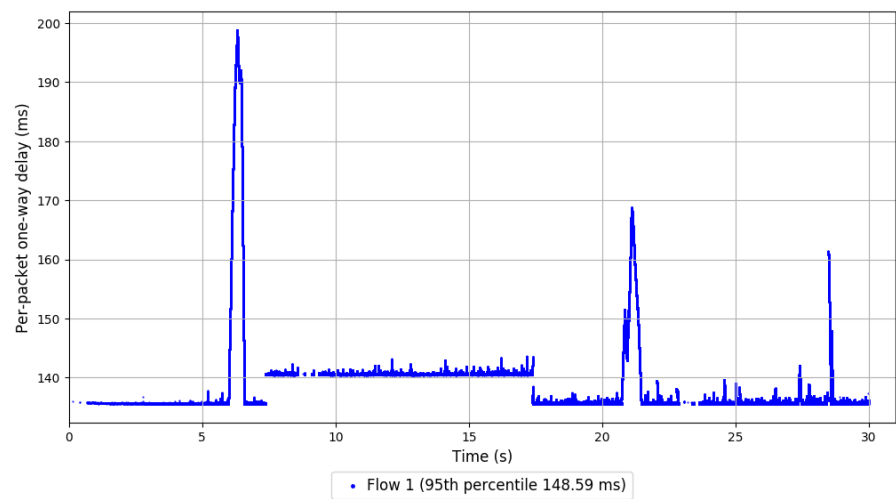
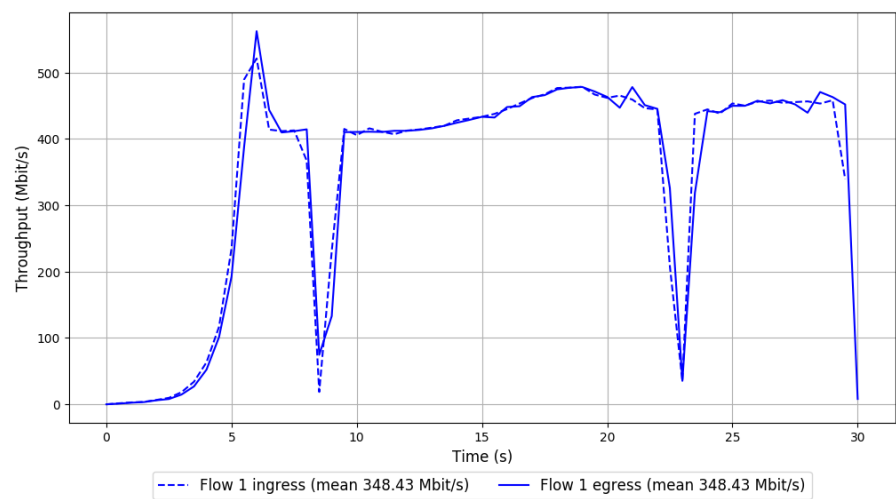
-- Flow 1:

Average throughput: 348.43 Mbit/s

95th percentile per-packet one-way delay: 148.585 ms

Loss rate: 0.00%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-06 14:30:36

End at: 2018-03-06 14:31:06

Below is generated by plot.py at 2018-03-06 16:59:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.54 Mbit/s

95th percentile per-packet one-way delay: 166.894 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 355.54 Mbit/s

95th percentile per-packet one-way delay: 166.894 ms

Loss rate: 0.58%

Run 10: Report of Vivace-LTE — Data Link

