

Pantheon Report

Generated at 2018-02-28 07:48:28 (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.

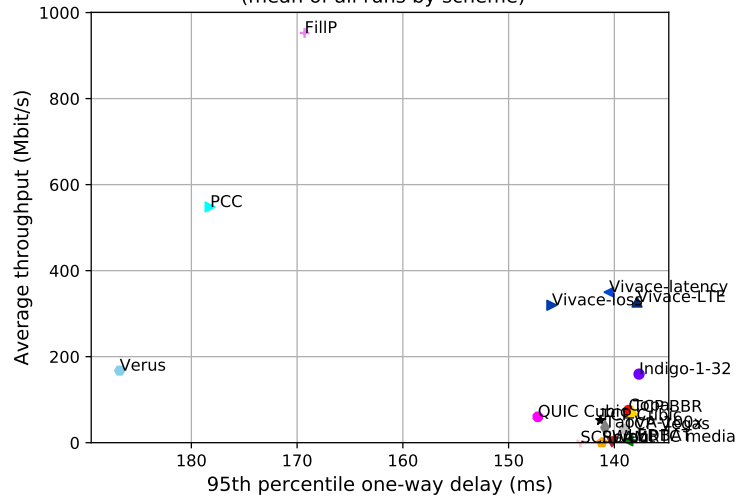
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

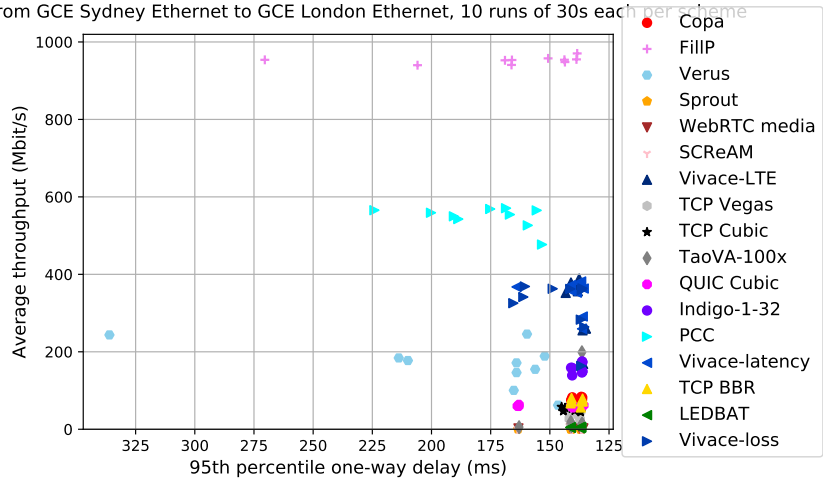
Git summary:

```
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	71.84	138.25	0.16
TCP Cubic	10	51.96	141.31	0.00
LEDBAT	10	4.42	138.72	0.02
PCC	10	547.94	178.22	0.80
QUIC Cubic	9	60.20	147.24	0.02
SCReAM	10	0.22	143.21	0.00
WebRTC media	10	2.10	140.24	0.01
Sprout	10	0.38	141.19	0.05
TaoVA-100x	8	35.33	140.89	0.00
TCP Vegas	10	31.68	139.08	0.02
Verus	10	167.49	186.78	0.90
Copa	10	74.86	138.66	0.00
FillP	10	952.58	169.29	0.15
Indigo-1-32	10	159.45	137.66	0.01
Vivace-latency	10	349.98	140.50	0.01
Vivace-loss	10	319.50	145.91	0.02
Vivace-LTE	10	327.04	137.86	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-02-28 02:39:00

End at: 2018-02-28 02:39:30

Below is generated by plot.py at 2018-02-28 06:37:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.04 Mbit/s

95th percentile per-packet one-way delay: 141.236 ms

Loss rate: 0.03%

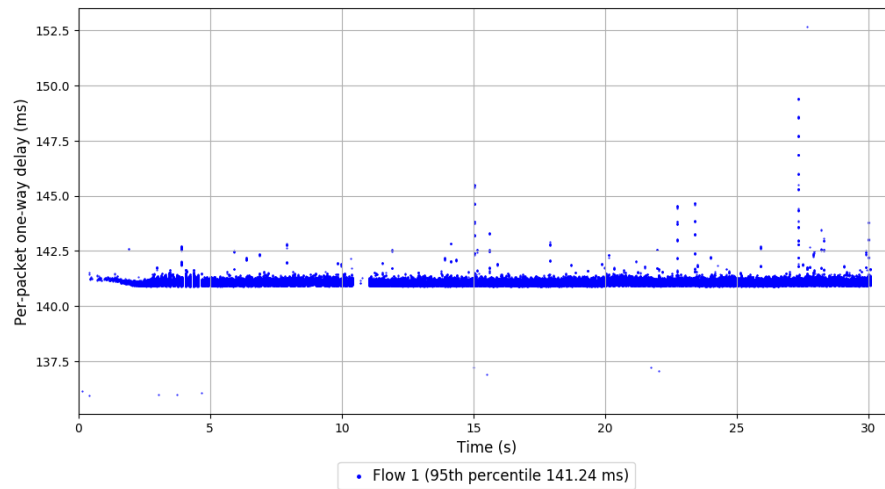
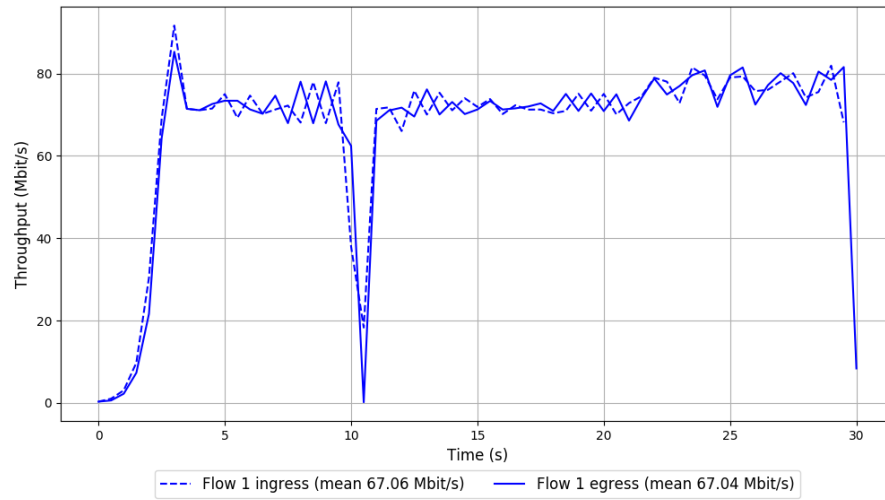
-- Flow 1:

Average throughput: 67.04 Mbit/s

95th percentile per-packet one-way delay: 141.236 ms

Loss rate: 0.03%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-28 02:54:36

End at: 2018-02-28 02:55:06

Below is generated by plot.py at 2018-02-28 06:37:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.17 Mbit/s

95th percentile per-packet one-way delay: 141.078 ms

Loss rate: 0.03%

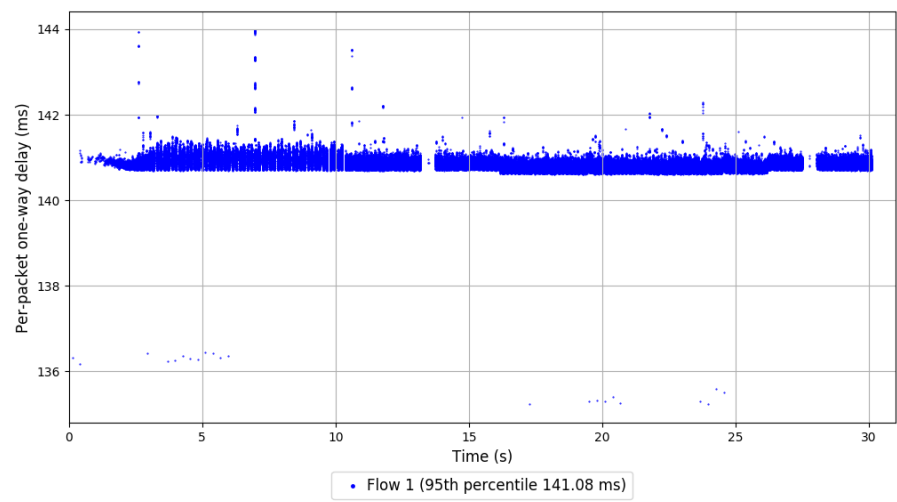
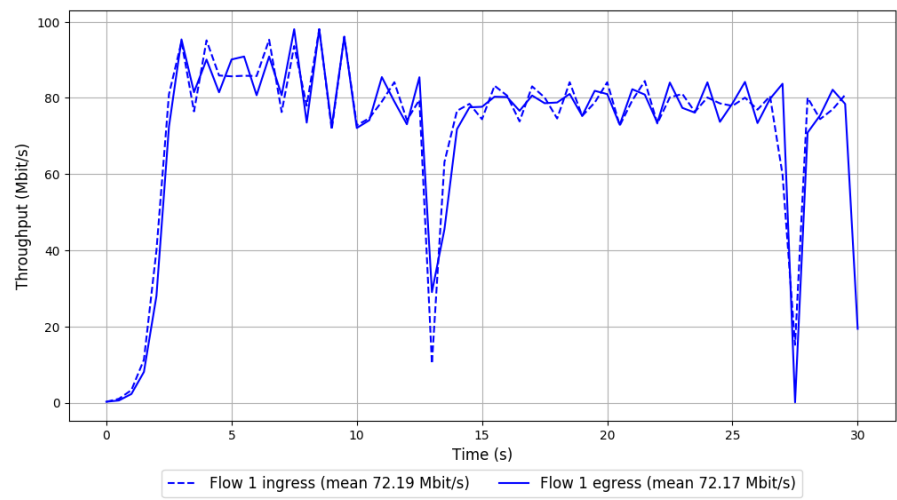
-- Flow 1:

Average throughput: 72.17 Mbit/s

95th percentile per-packet one-way delay: 141.078 ms

Loss rate: 0.03%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-28 03:10:56

End at: 2018-02-28 03:11:26

Below is generated by plot.py at 2018-02-28 06:37:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.01 Mbit/s

95th percentile per-packet one-way delay: 136.072 ms

Loss rate: 0.00%

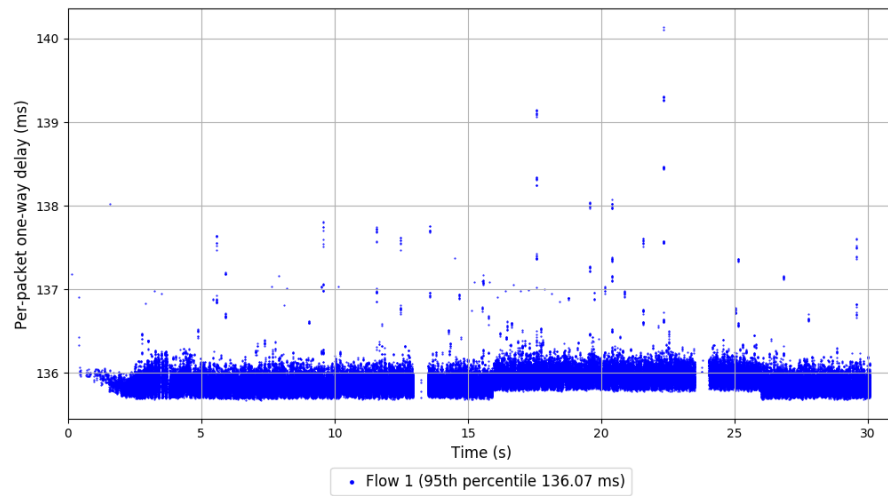
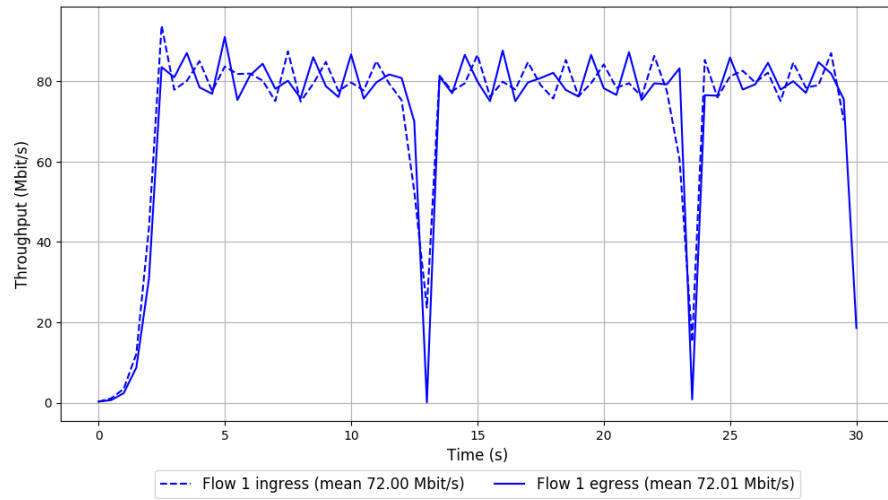
-- Flow 1:

Average throughput: 72.01 Mbit/s

95th percentile per-packet one-way delay: 136.072 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-28 03:27:04

End at: 2018-02-28 03:27:34

Below is generated by plot.py at 2018-02-28 06:37:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.10 Mbit/s

95th percentile per-packet one-way delay: 136.181 ms

Loss rate: 0.00%

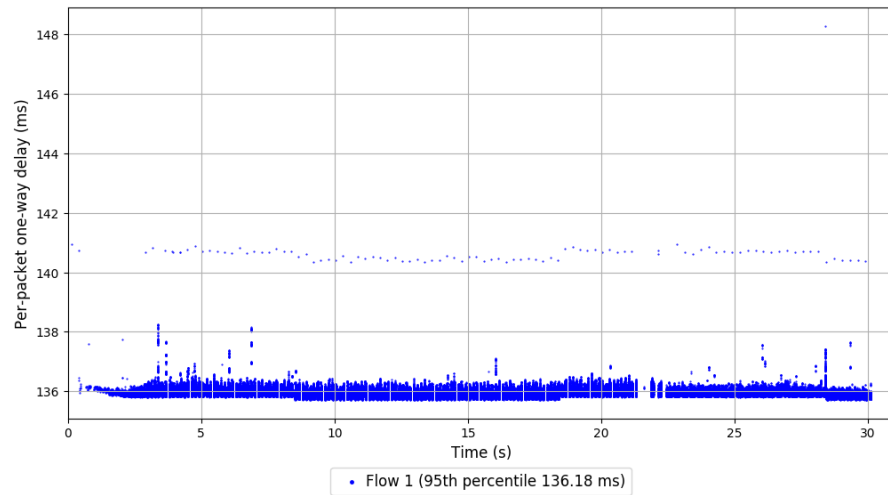
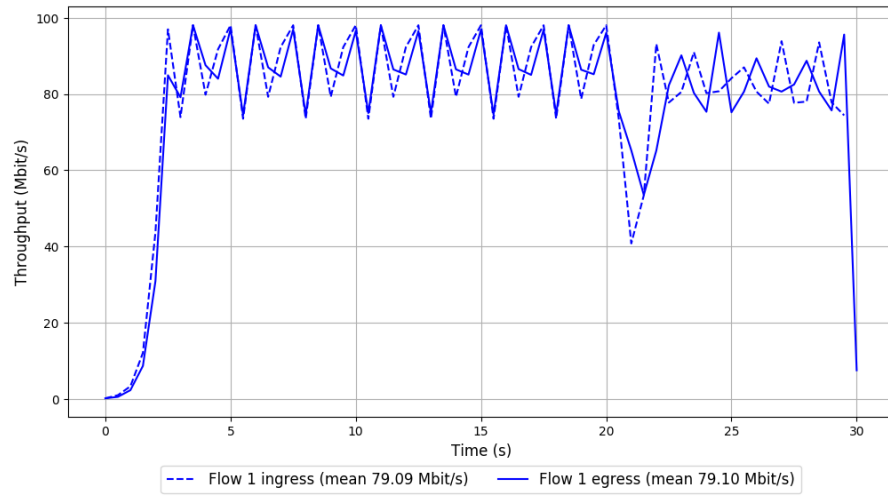
-- Flow 1:

Average throughput: 79.10 Mbit/s

95th percentile per-packet one-way delay: 136.181 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-28 03:43:18

End at: 2018-02-28 03:43:48

Below is generated by plot.py at 2018-02-28 06:37:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 136.469 ms

Loss rate: 0.00%

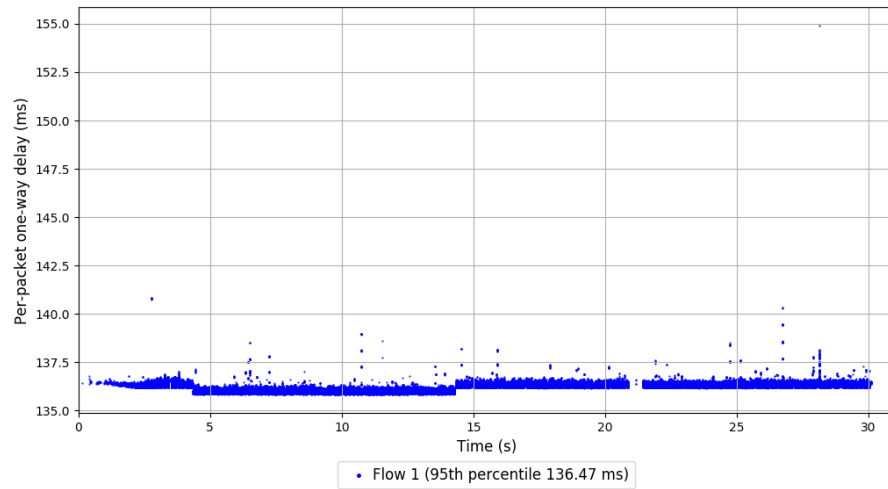
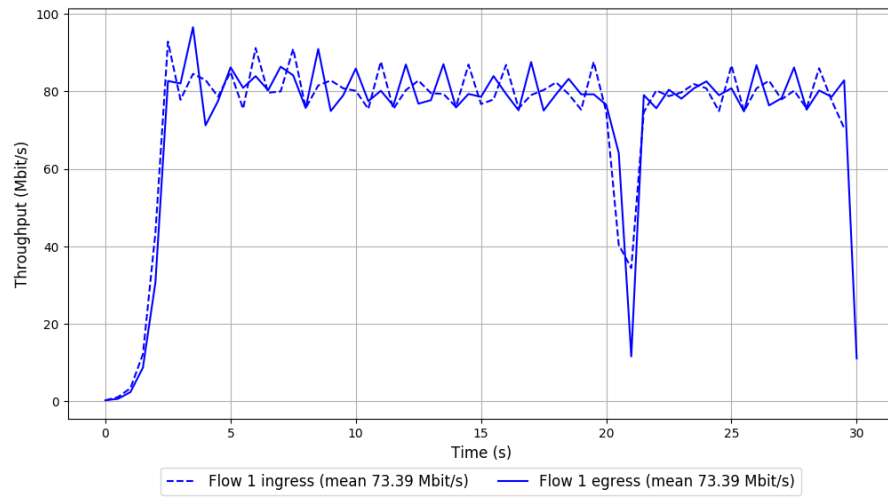
-- Flow 1:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 136.469 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-28 03:59:30

End at: 2018-02-28 04:00:00

Below is generated by plot.py at 2018-02-28 06:37:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.46 Mbit/s

95th percentile per-packet one-way delay: 136.428 ms

Loss rate: 0.00%

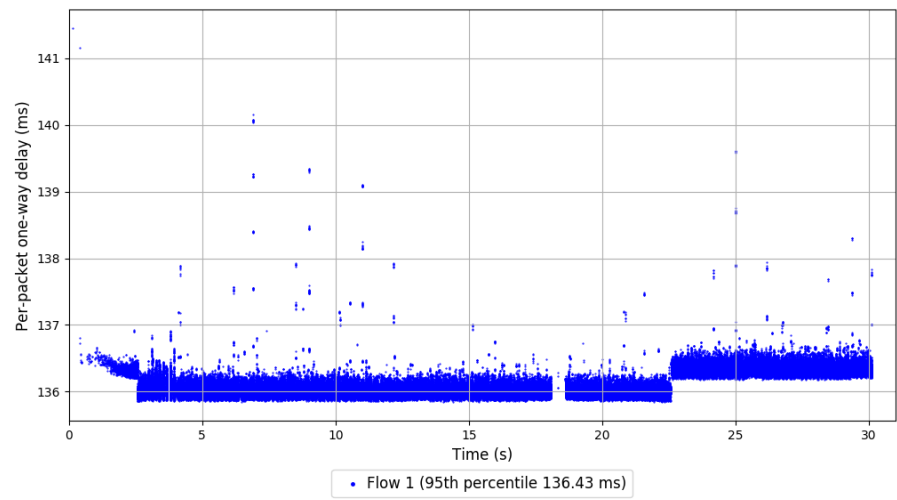
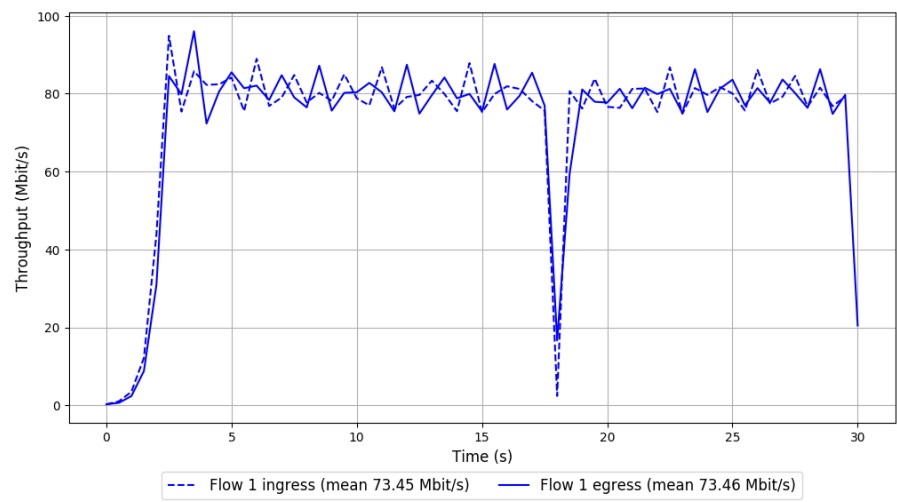
-- Flow 1:

Average throughput: 73.46 Mbit/s

95th percentile per-packet one-way delay: 136.428 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-28 04:15:43

End at: 2018-02-28 04:16:13

Below is generated by plot.py at 2018-02-28 06:37:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.88 Mbit/s

95th percentile per-packet one-way delay: 136.584 ms

Loss rate: 0.01%

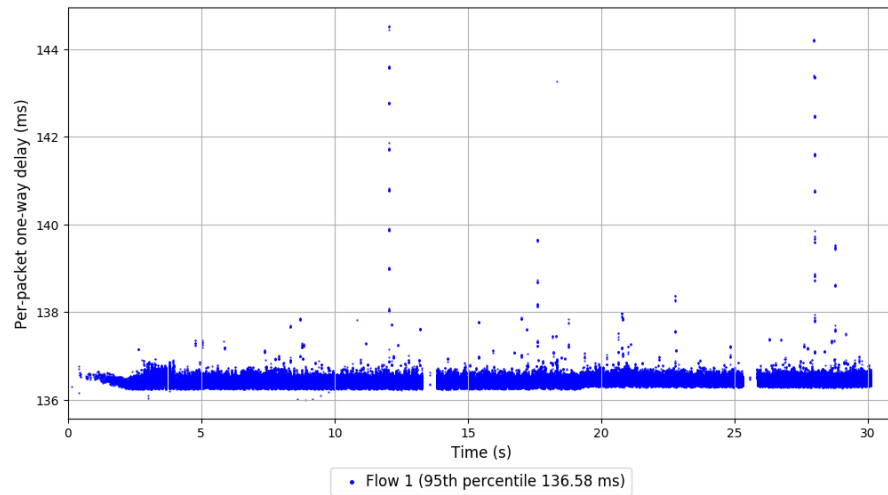
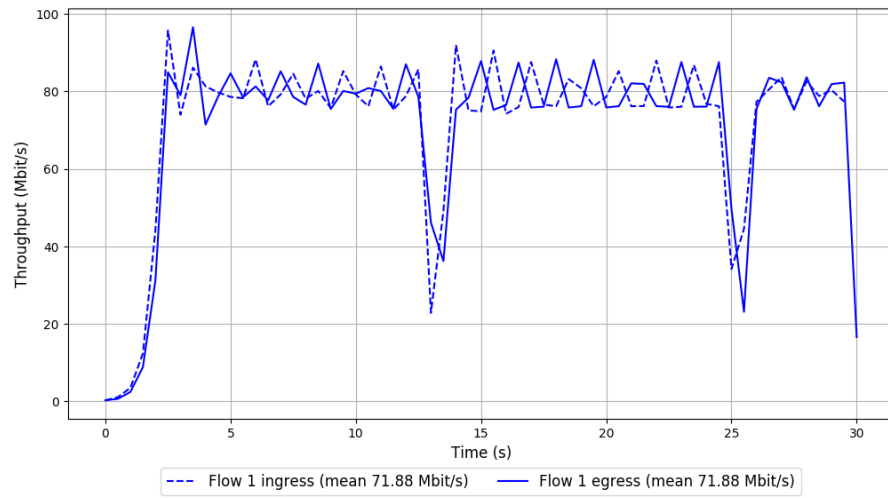
-- Flow 1:

Average throughput: 71.88 Mbit/s

95th percentile per-packet one-way delay: 136.584 ms

Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-28 04:31:55

End at: 2018-02-28 04:32:25

Below is generated by plot.py at 2018-02-28 06:37:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.32 Mbit/s

95th percentile per-packet one-way delay: 136.925 ms

Loss rate: 1.54%

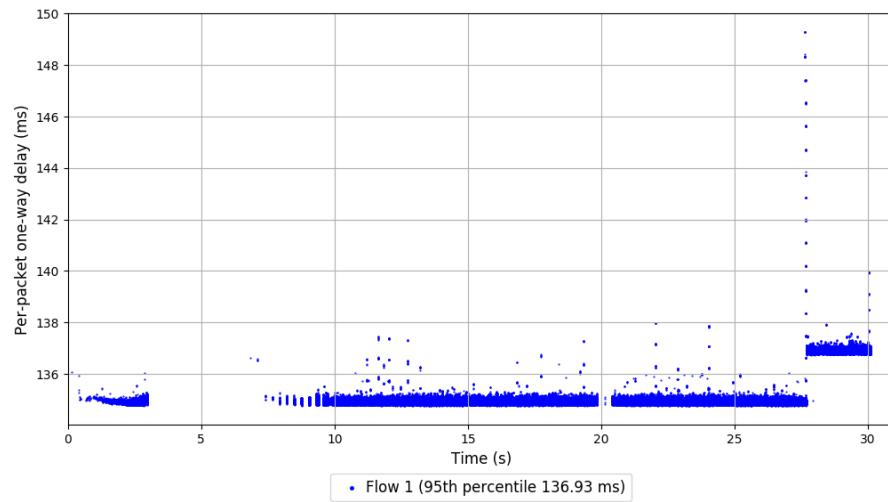
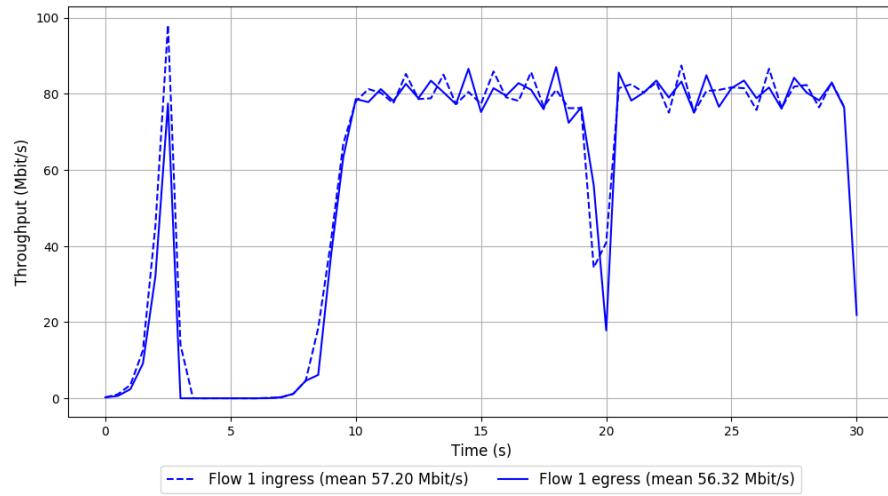
-- Flow 1:

Average throughput: 56.32 Mbit/s

95th percentile per-packet one-way delay: 136.925 ms

Loss rate: 1.54%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-28 04:48:06

End at: 2018-02-28 04:48:36

Below is generated by plot.py at 2018-02-28 06:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.29 Mbit/s

95th percentile per-packet one-way delay: 140.663 ms

Loss rate: 0.03%

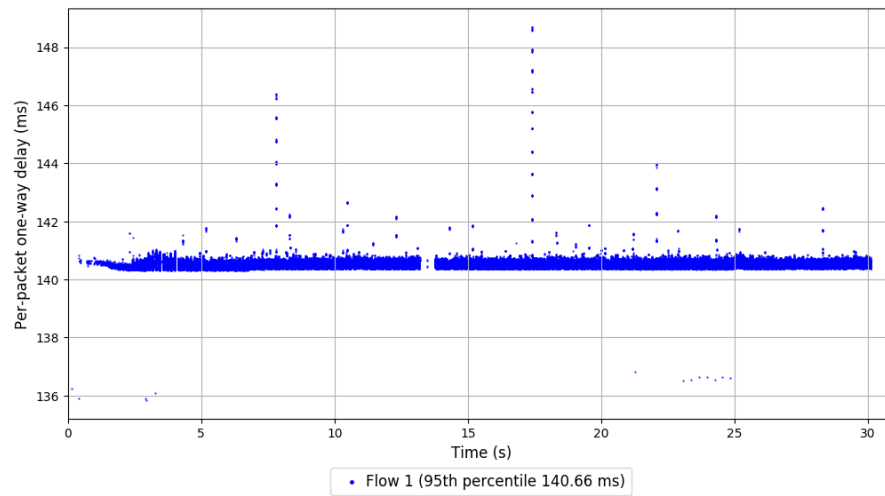
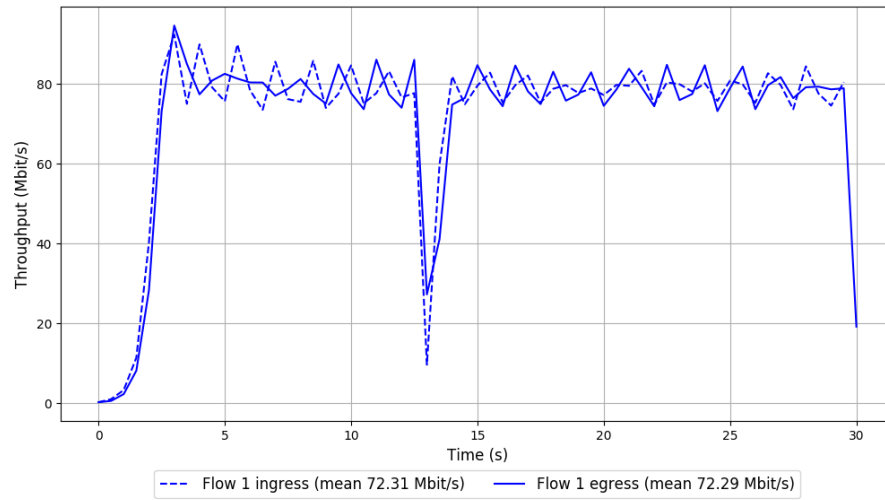
-- Flow 1:

Average throughput: 72.29 Mbit/s

95th percentile per-packet one-way delay: 140.663 ms

Loss rate: 0.03%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-28 05:04:16

End at: 2018-02-28 05:04:46

Below is generated by plot.py at 2018-02-28 06:39:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 140.839 ms

Loss rate: 0.00%

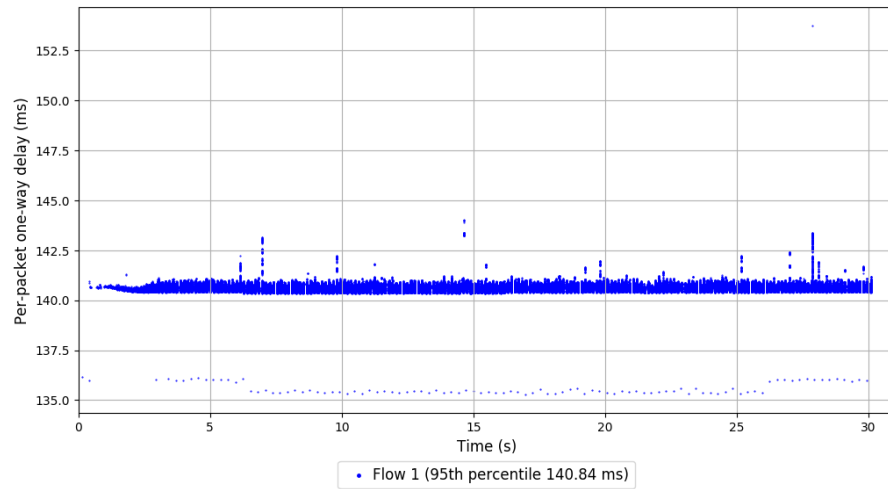
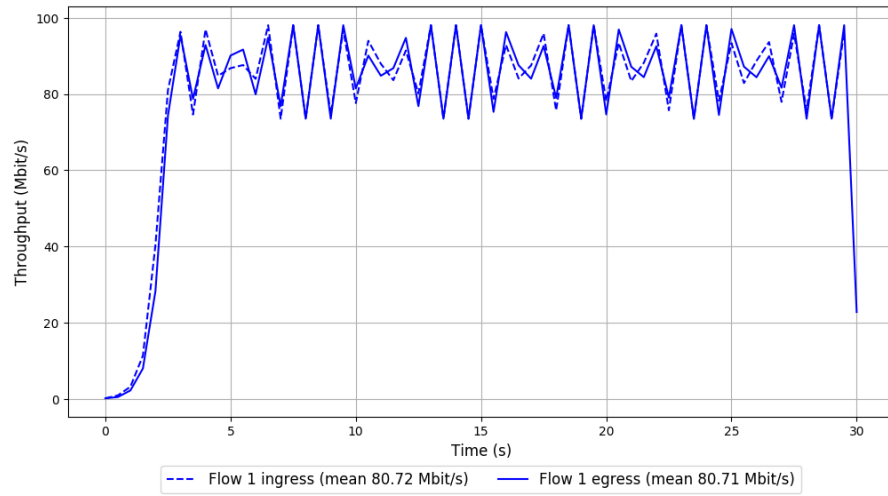
-- Flow 1:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 140.839 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-28 02:53:05

End at: 2018-02-28 02:53:35

Below is generated by plot.py at 2018-02-28 06:39:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.74 Mbit/s

95th percentile per-packet one-way delay: 144.372 ms

Loss rate: 0.00%

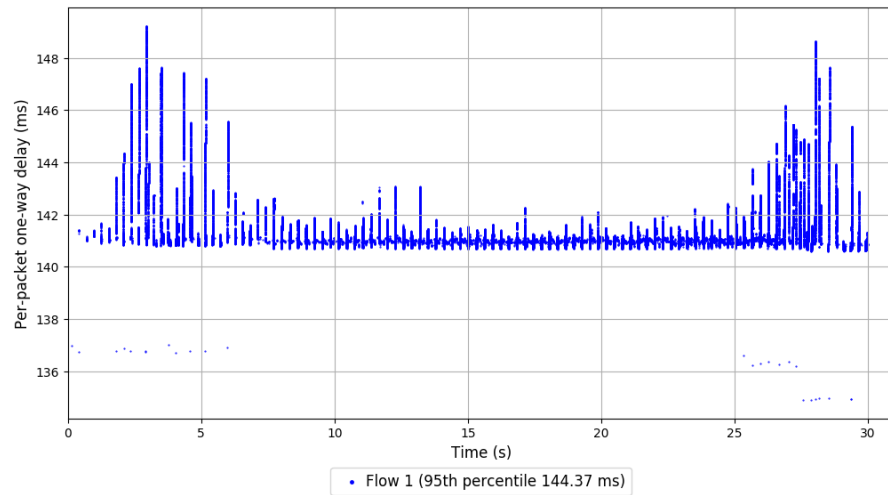
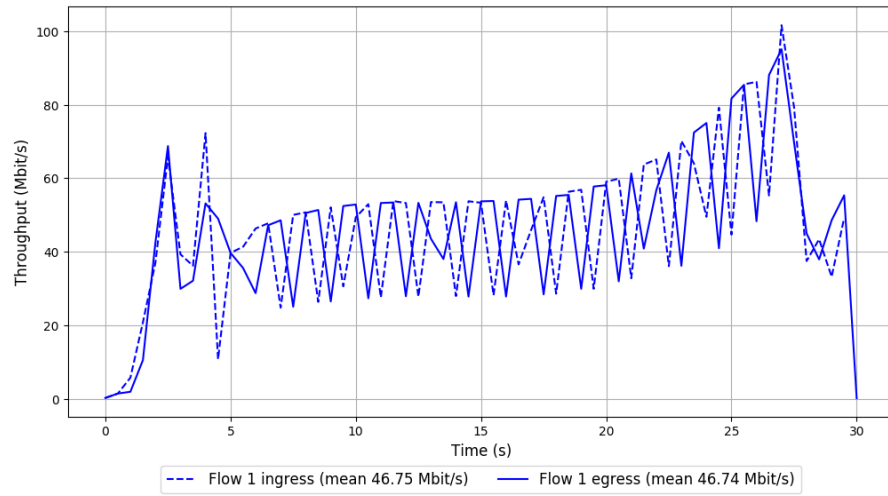
-- Flow 1:

Average throughput: 46.74 Mbit/s

95th percentile per-packet one-way delay: 144.372 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-28 03:09:24

End at: 2018-02-28 03:09:54

Below is generated by plot.py at 2018-02-28 06:39:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 139.490 ms

Loss rate: 0.00%

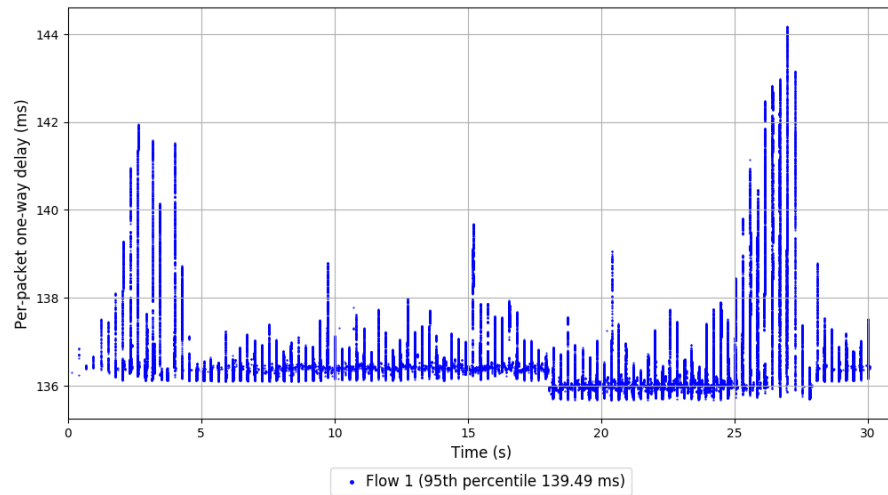
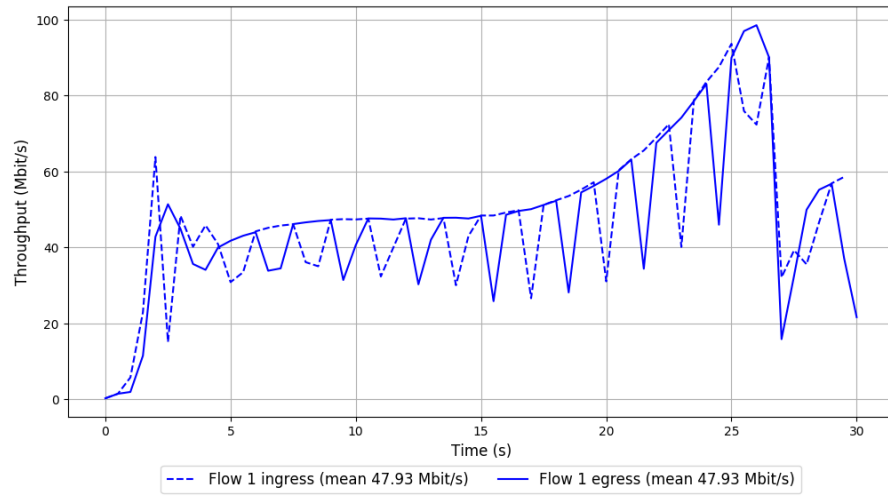
-- Flow 1:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 139.490 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-28 03:25:31

End at: 2018-02-28 03:26:01

Below is generated by plot.py at 2018-02-28 06:39:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 140.571 ms

Loss rate: 0.00%

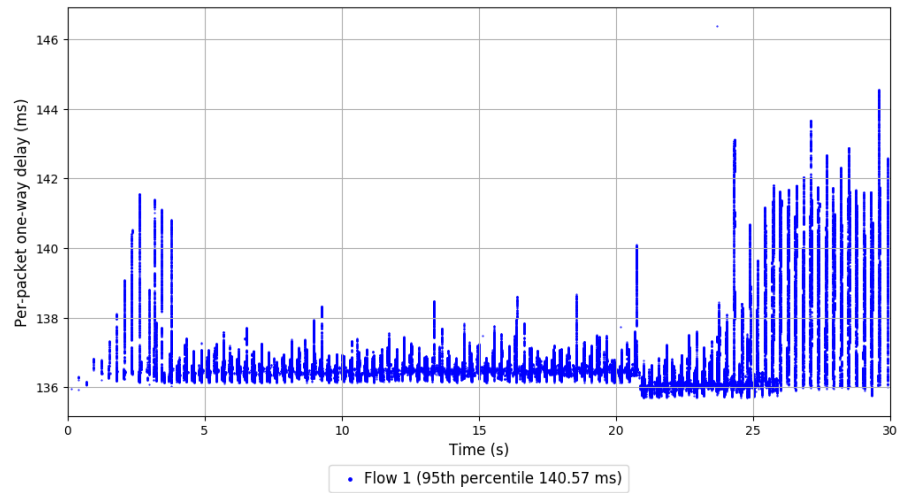
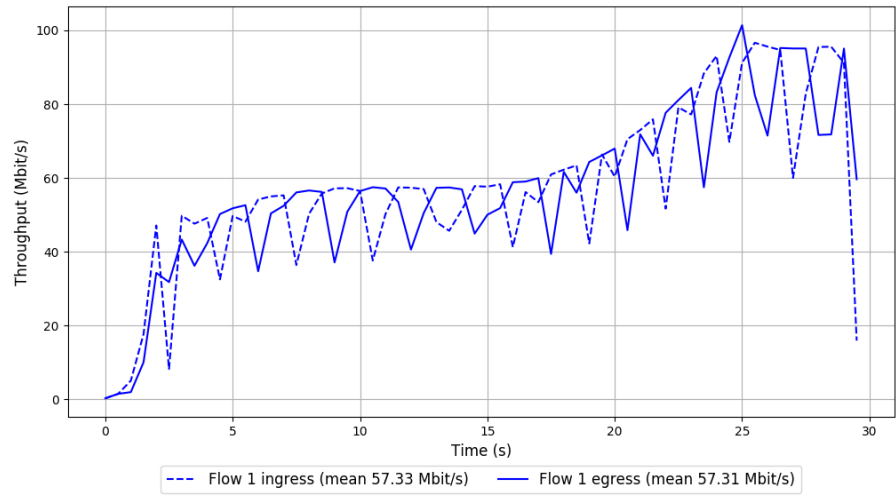
-- Flow 1:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 140.571 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-28 03:41:46

End at: 2018-02-28 03:42:16

Below is generated by plot.py at 2018-02-28 06:39:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.33 Mbit/s

95th percentile per-packet one-way delay: 136.976 ms

Loss rate: 0.00%

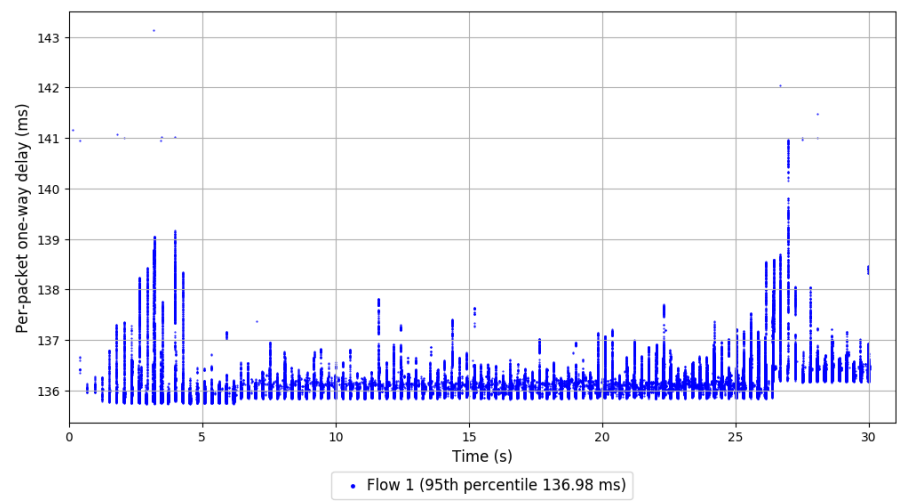
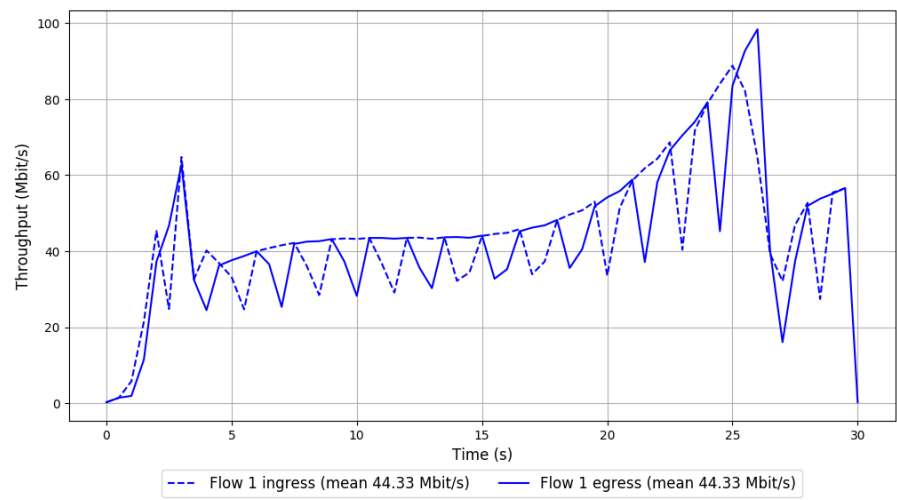
-- Flow 1:

Average throughput: 44.33 Mbit/s

95th percentile per-packet one-way delay: 136.976 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-28 03:57:57

End at: 2018-02-28 03:58:27

Below is generated by plot.py at 2018-02-28 06:39:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.04 Mbit/s

95th percentile per-packet one-way delay: 140.697 ms

Loss rate: 0.00%

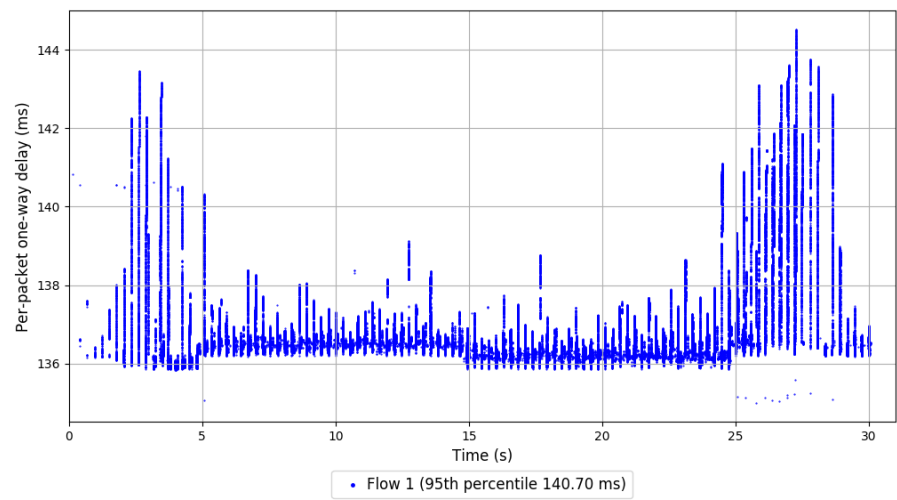
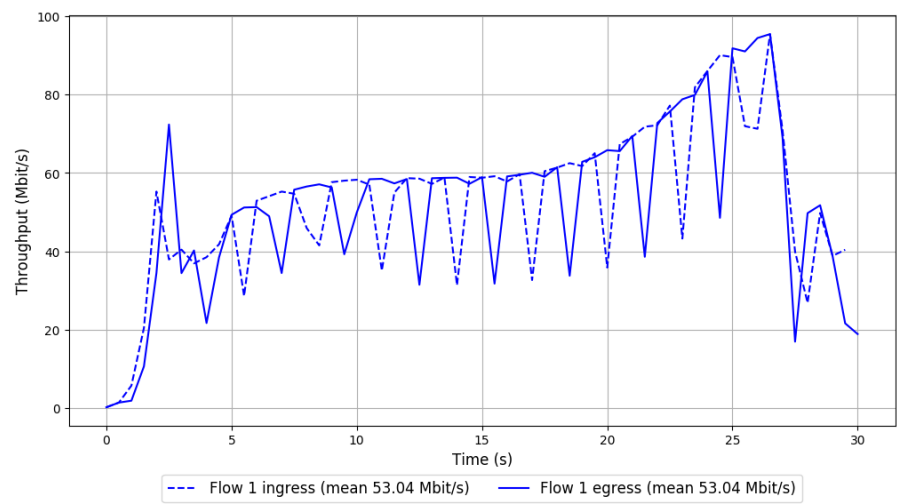
-- Flow 1:

Average throughput: 53.04 Mbit/s

95th percentile per-packet one-way delay: 140.697 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-28 04:14:11

End at: 2018-02-28 04:14:41

Below is generated by plot.py at 2018-02-28 06:39:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.92 Mbit/s

95th percentile per-packet one-way delay: 137.107 ms

Loss rate: 0.00%

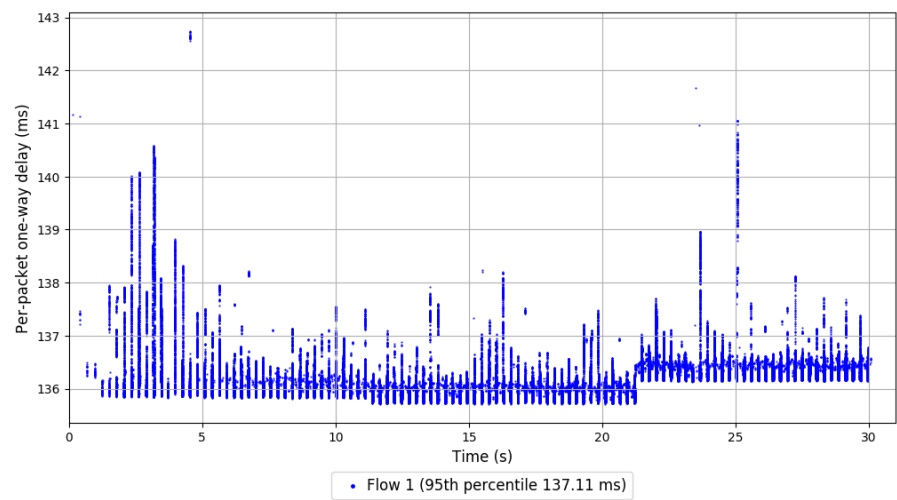
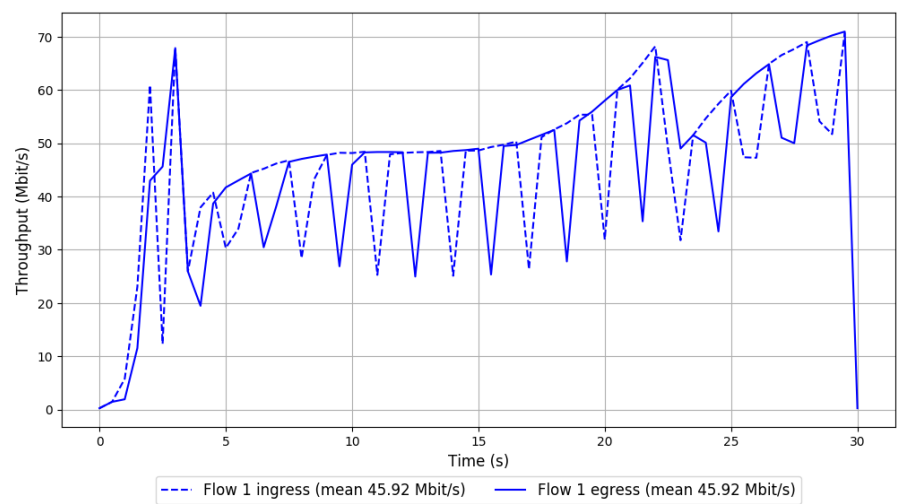
-- Flow 1:

Average throughput: 45.92 Mbit/s

95th percentile per-packet one-way delay: 137.107 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-28 04:30:22

End at: 2018-02-28 04:30:52

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.73 Mbit/s

95th percentile per-packet one-way delay: 141.126 ms

Loss rate: 0.00%

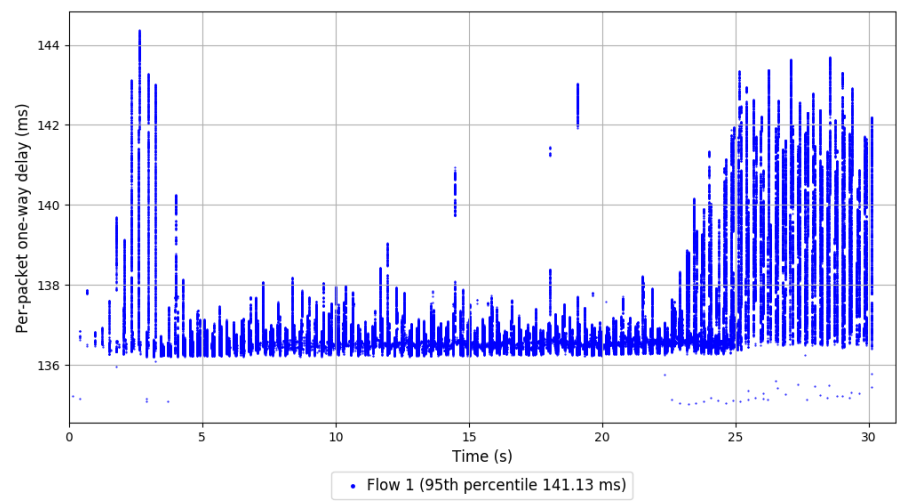
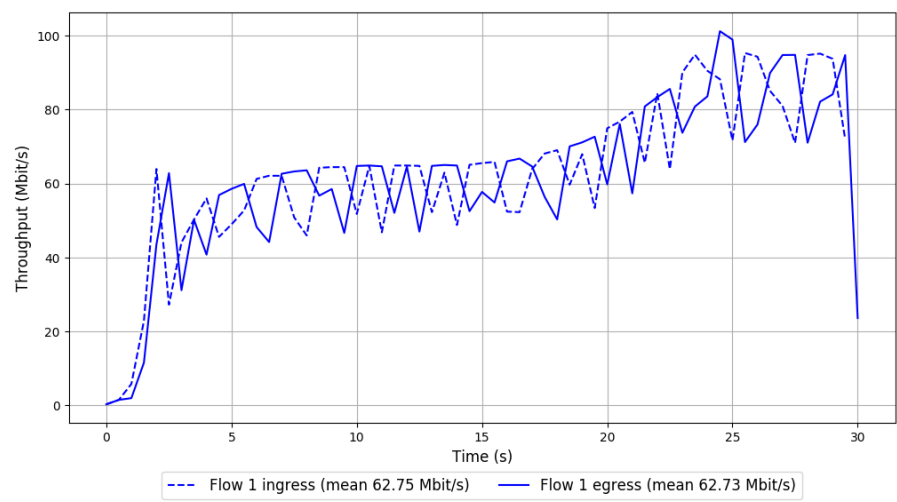
-- Flow 1:

Average throughput: 62.73 Mbit/s

95th percentile per-packet one-way delay: 141.126 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-28 04:46:35

End at: 2018-02-28 04:47:05

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 143.579 ms

Loss rate: 0.00%

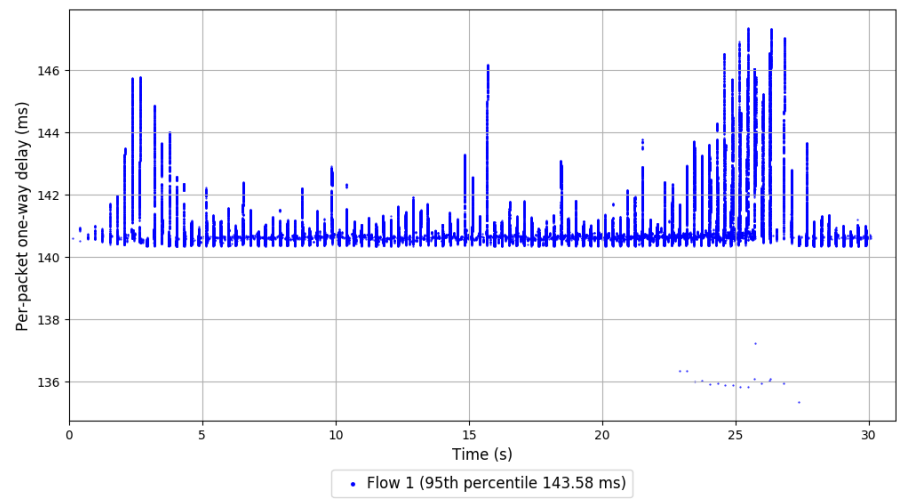
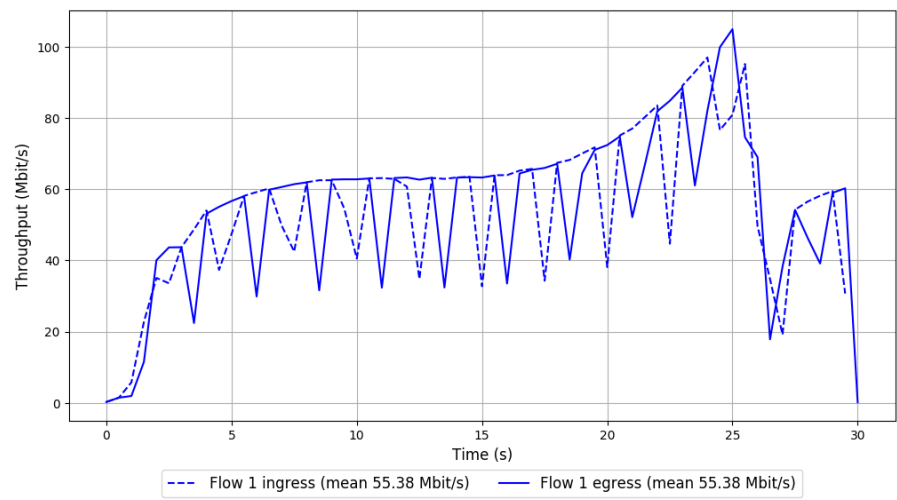
-- Flow 1:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 143.579 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-28 05:02:42

End at: 2018-02-28 05:03:12

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.82 Mbit/s

95th percentile per-packet one-way delay: 145.046 ms

Loss rate: 0.00%

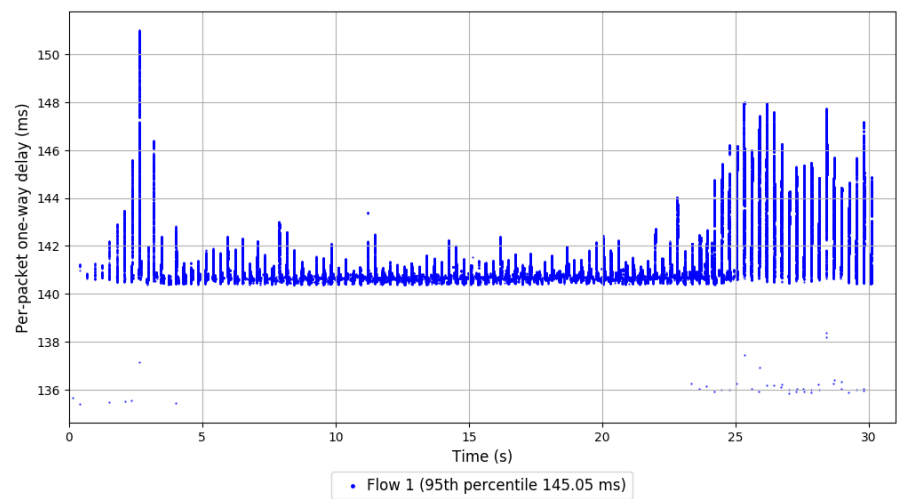
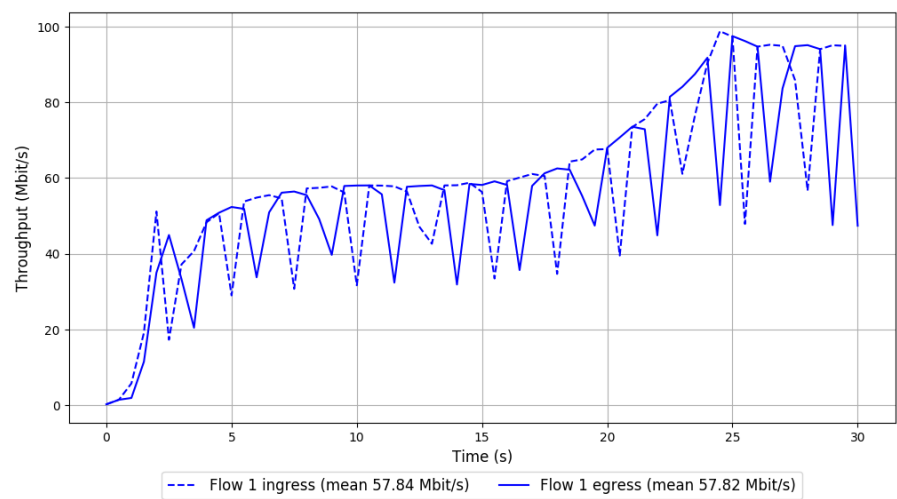
-- Flow 1:

Average throughput: 57.82 Mbit/s

95th percentile per-packet one-way delay: 145.046 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-28 05:19:08

End at: 2018-02-28 05:19:38

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.36 Mbit/s

95th percentile per-packet one-way delay: 144.152 ms

Loss rate: 0.00%

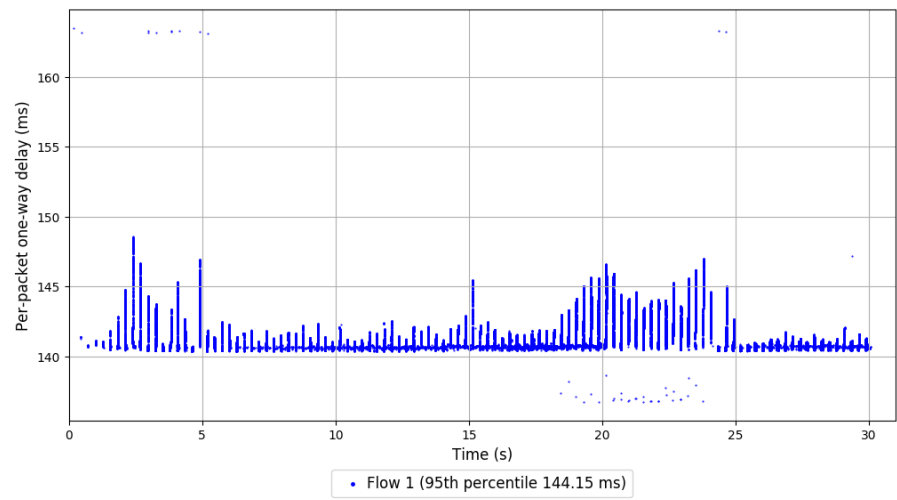
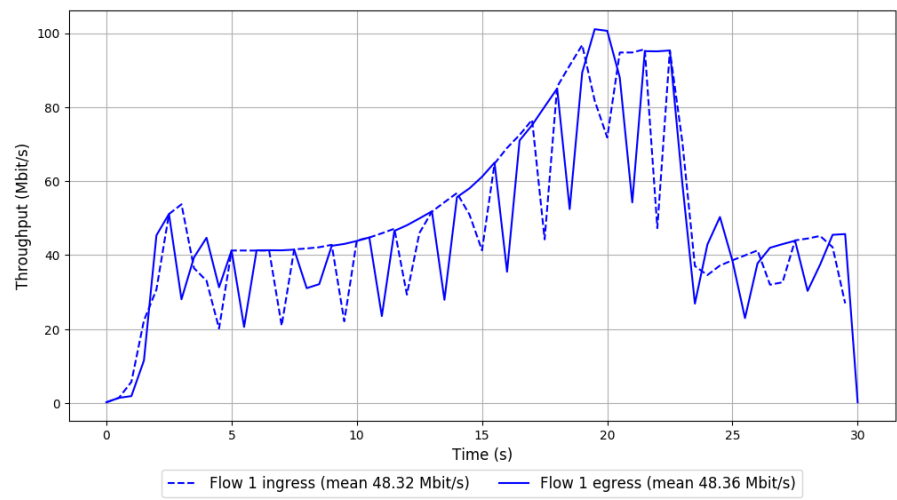
-- Flow 1:

Average throughput: 48.36 Mbit/s

95th percentile per-packet one-way delay: 144.152 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

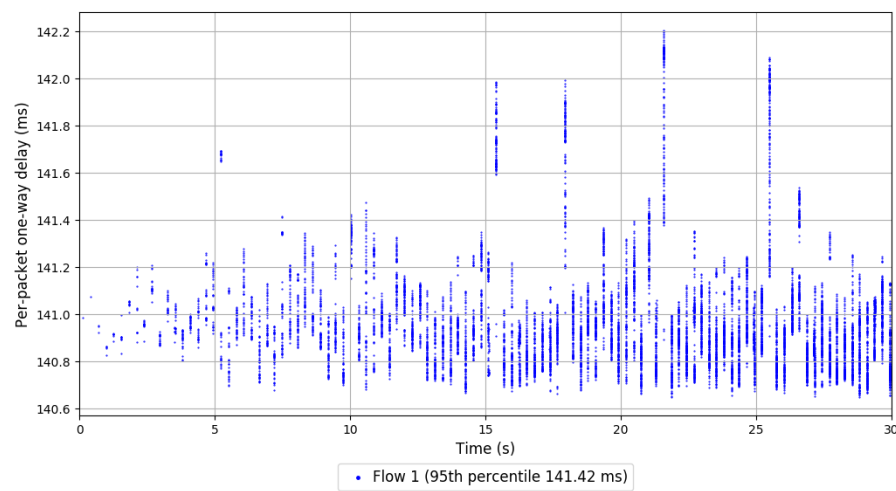
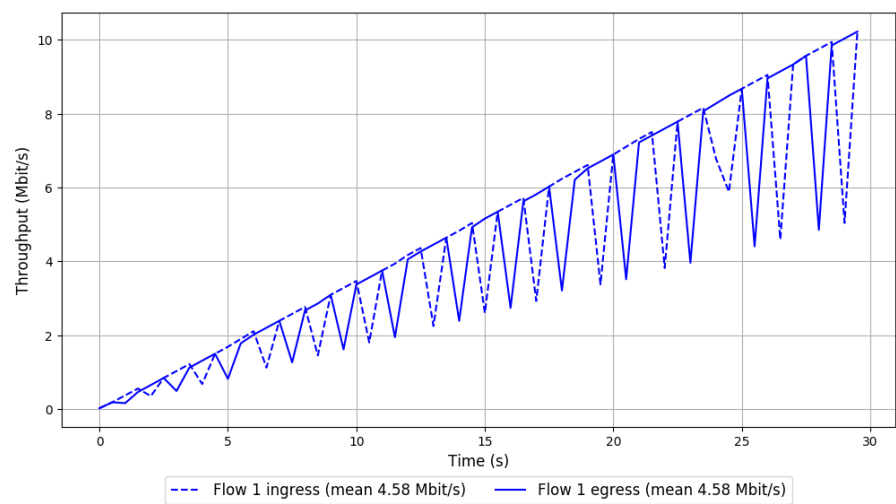


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-28 02:52:22
End at: 2018-02-28 02:52:52

# Below is generated by plot.py at 2018-02-28 06:39:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 141.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 141.422 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-02-28 03:08:41

End at: 2018-02-28 03:09:11

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 137.215 ms

Loss rate: 0.00%

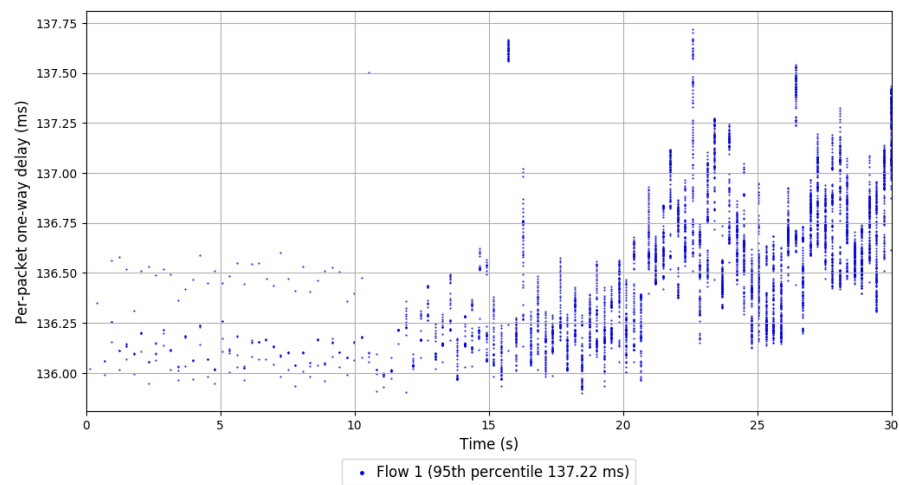
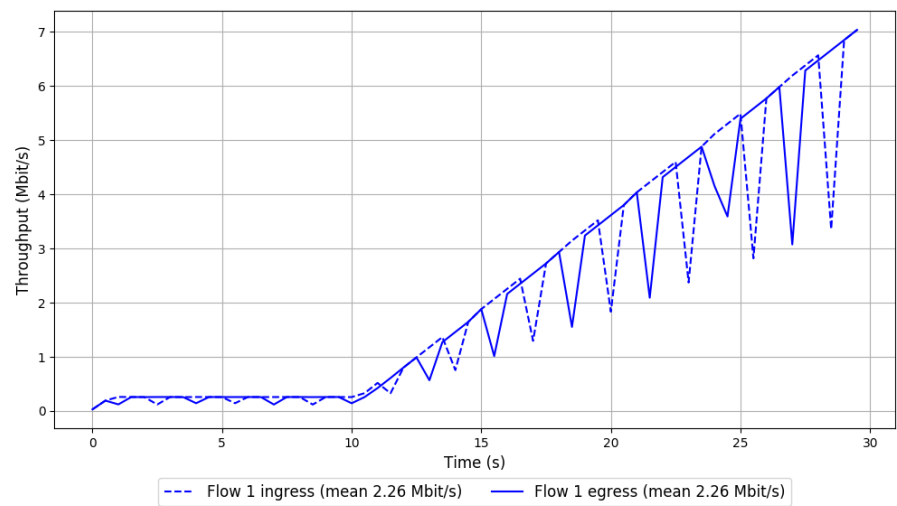
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 137.215 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-28 03:24:48

End at: 2018-02-28 03:25:18

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 136.807 ms

Loss rate: 0.00%

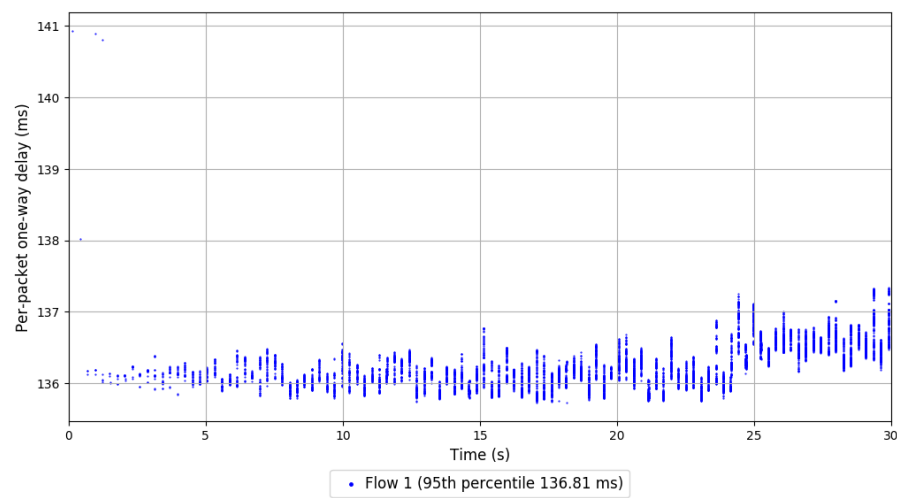
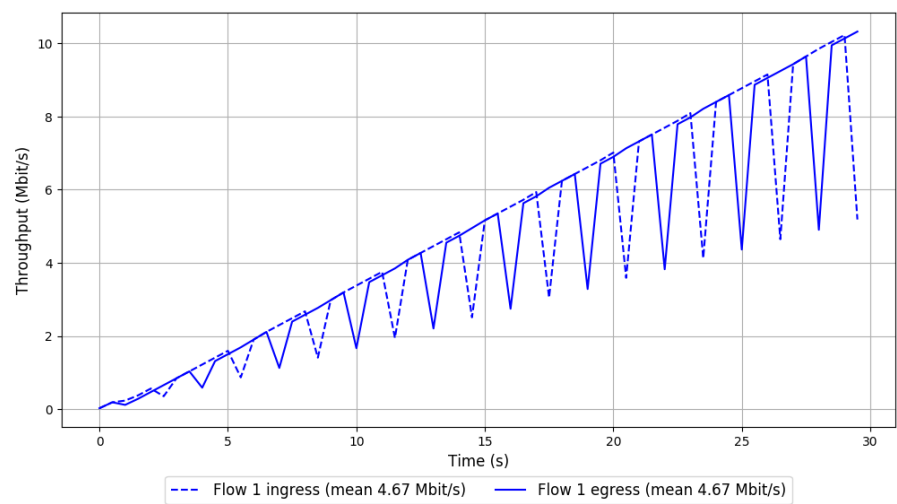
-- Flow 1:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 136.807 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-28 03:41:03

End at: 2018-02-28 03:41:33

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 136.892 ms

Loss rate: 0.00%

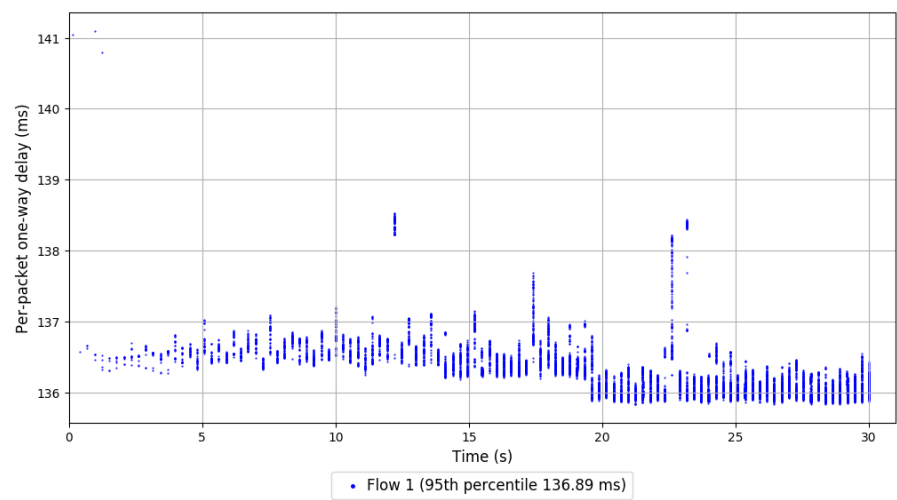
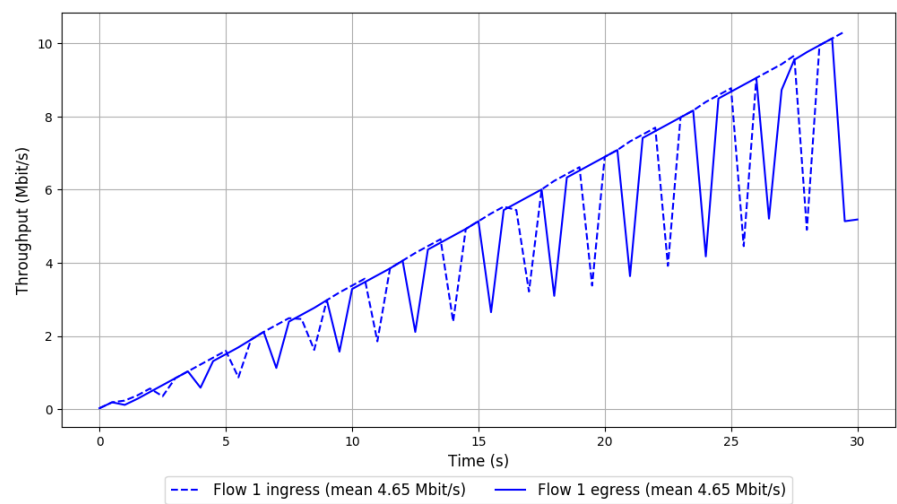
-- Flow 1:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 136.892 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-28 03:57:14

End at: 2018-02-28 03:57:45

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 136.729 ms

Loss rate: 0.00%

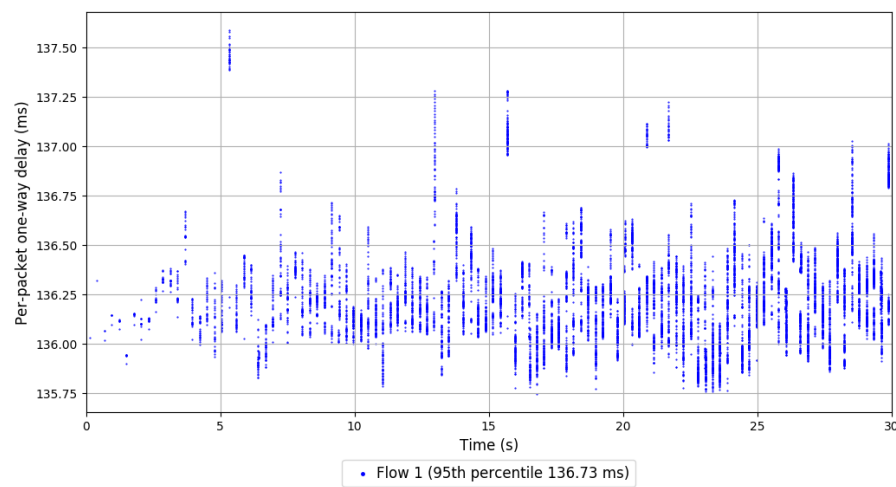
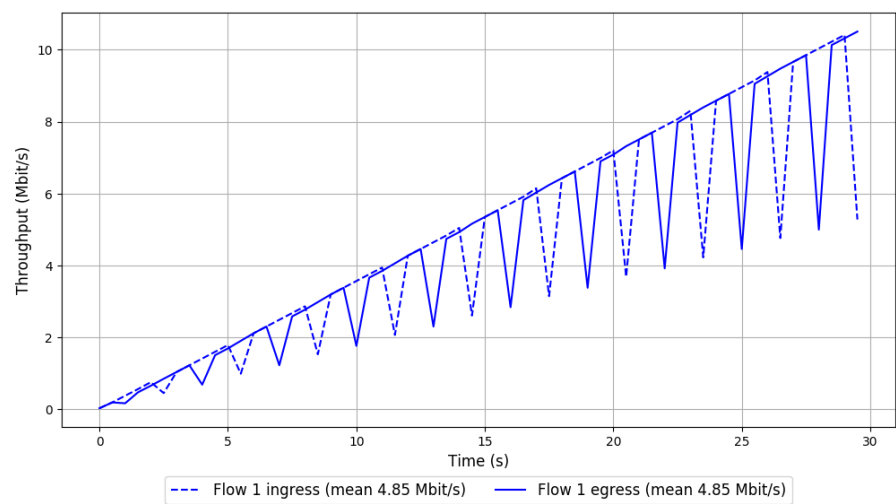
-- Flow 1:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 136.729 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-28 04:13:28

End at: 2018-02-28 04:13:58

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 137.179 ms

Loss rate: 0.00%

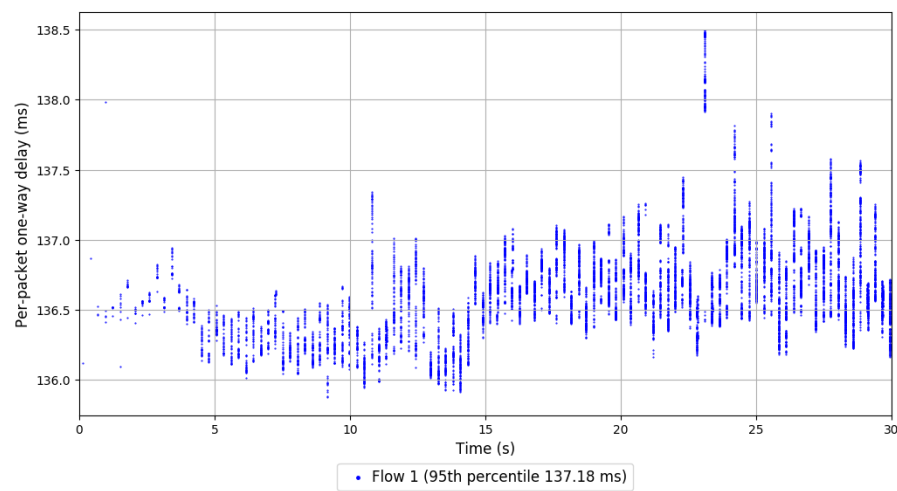
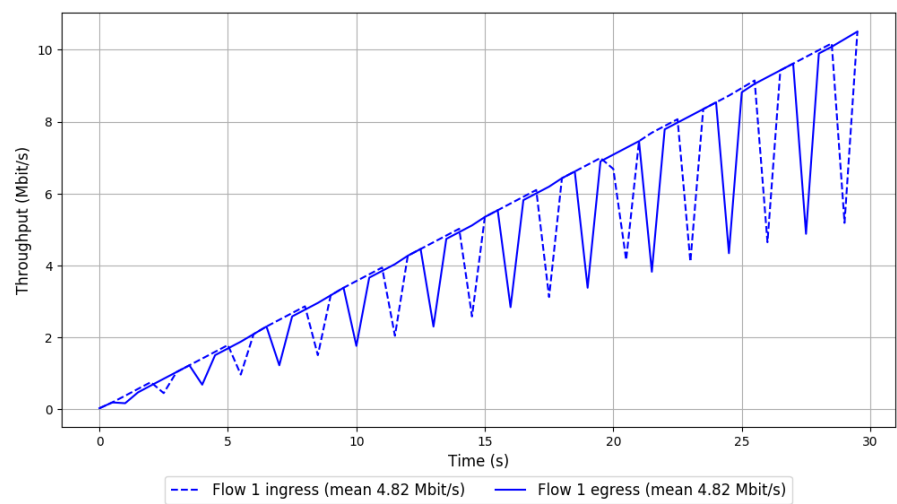
-- Flow 1:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 137.179 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-28 04:29:39

End at: 2018-02-28 04:30:09

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 137.501 ms

Loss rate: 0.00%

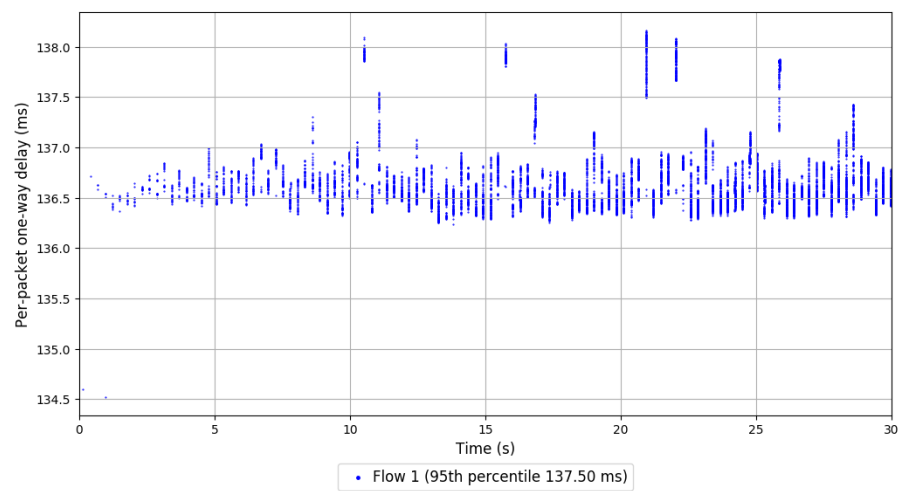
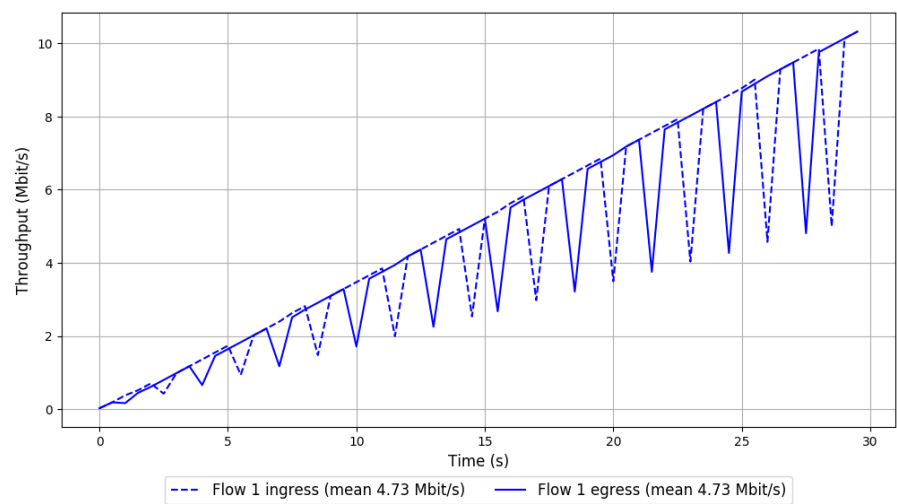
-- Flow 1:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 137.501 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-28 04:45:53

End at: 2018-02-28 04:46:23

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 141.115 ms

Loss rate: 0.00%

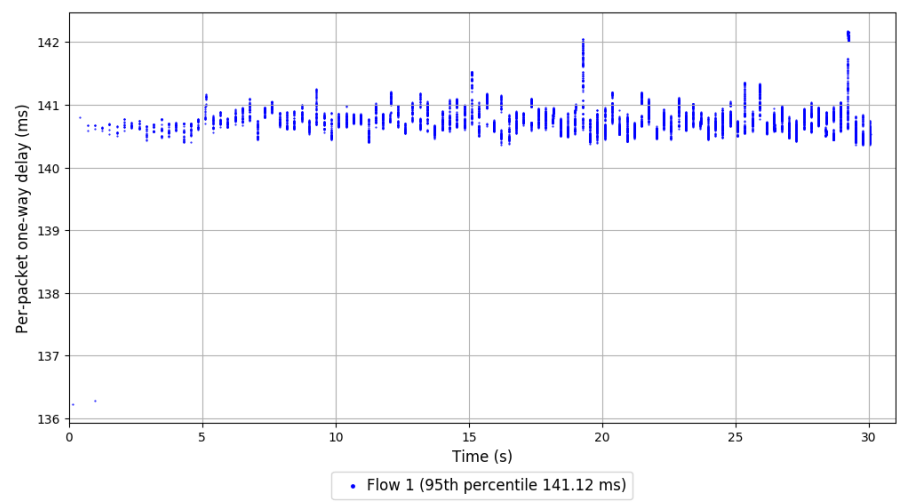
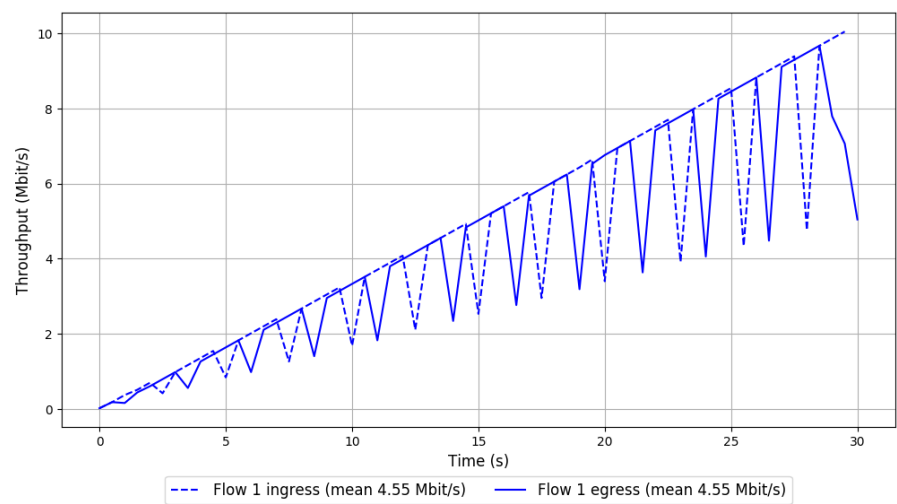
-- Flow 1:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 141.115 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-28 05:01:59

End at: 2018-02-28 05:02:29

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.50 Mbit/s

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

Loss rate: 0.19%

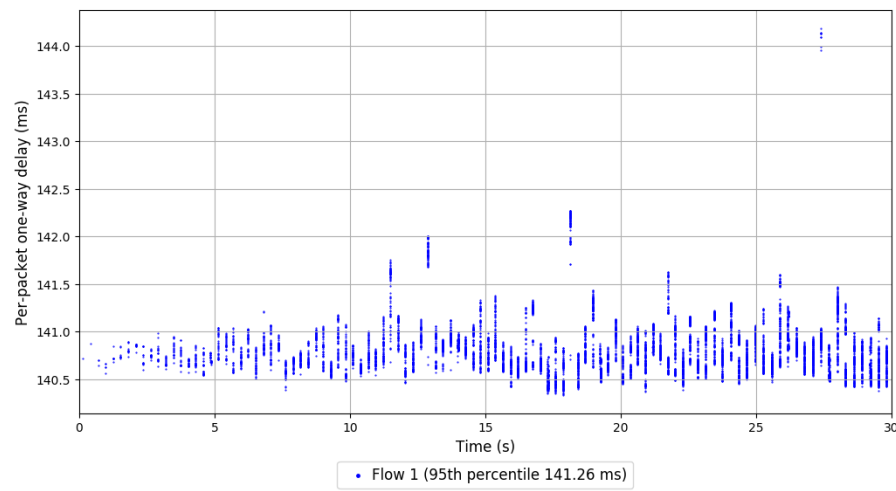
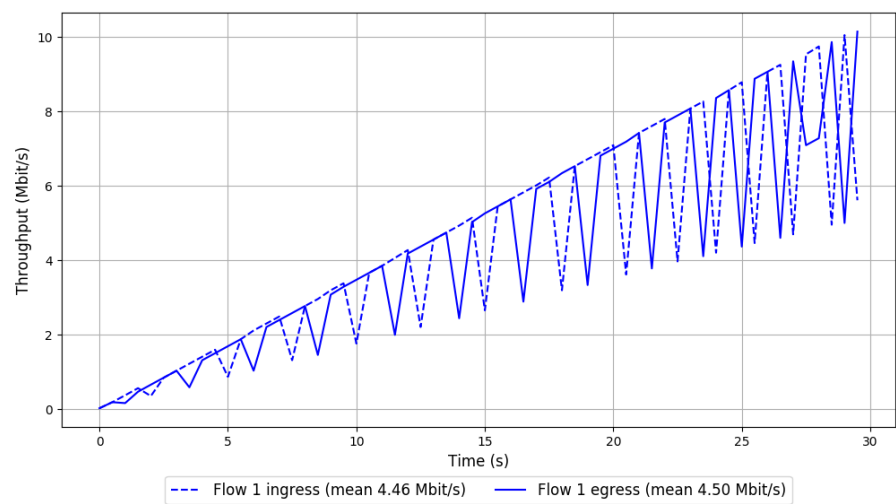
-- Flow 1:

Average throughput: 4.50 Mbit/s

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

Loss rate: 0.19%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-28 05:18:25

End at: 2018-02-28 05:18:55

Below is generated by plot.py at 2018-02-28 06:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 141.099 ms

Loss rate: 0.00%

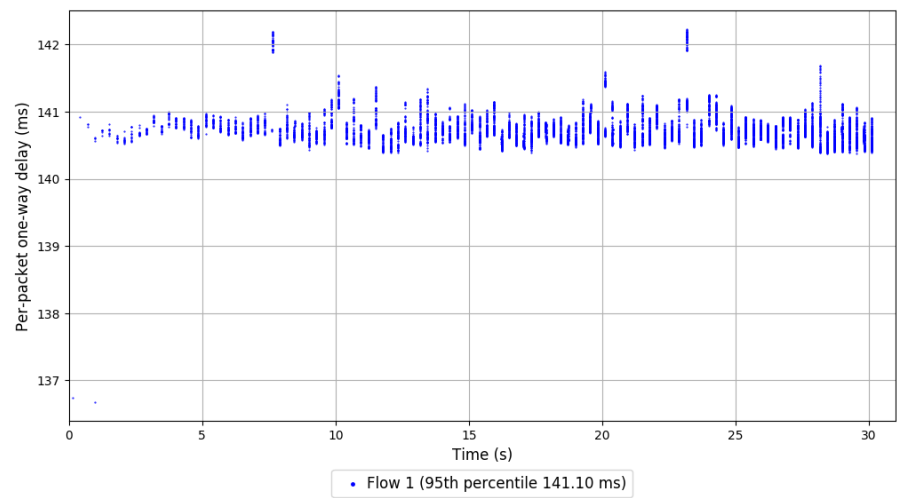
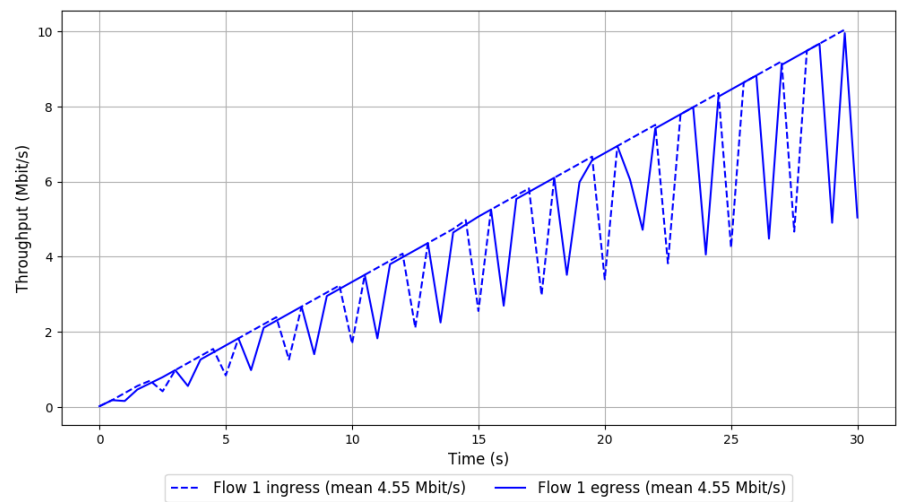
-- Flow 1:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 141.099 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

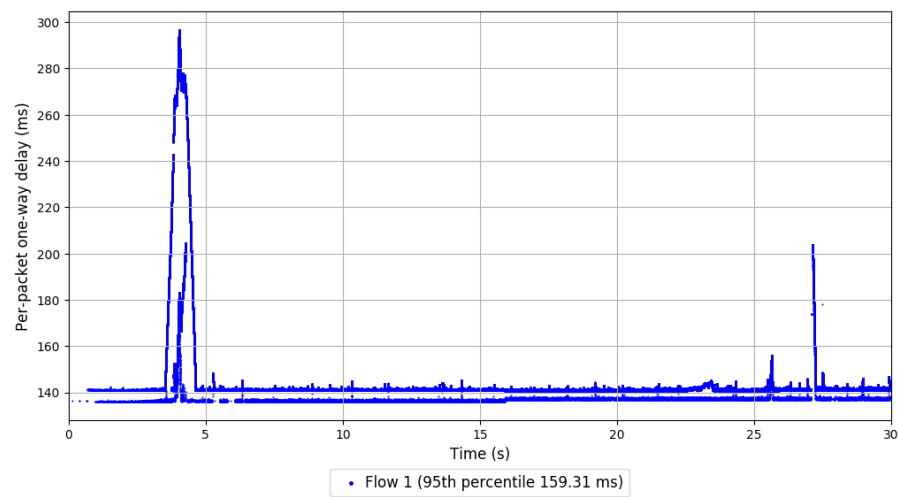
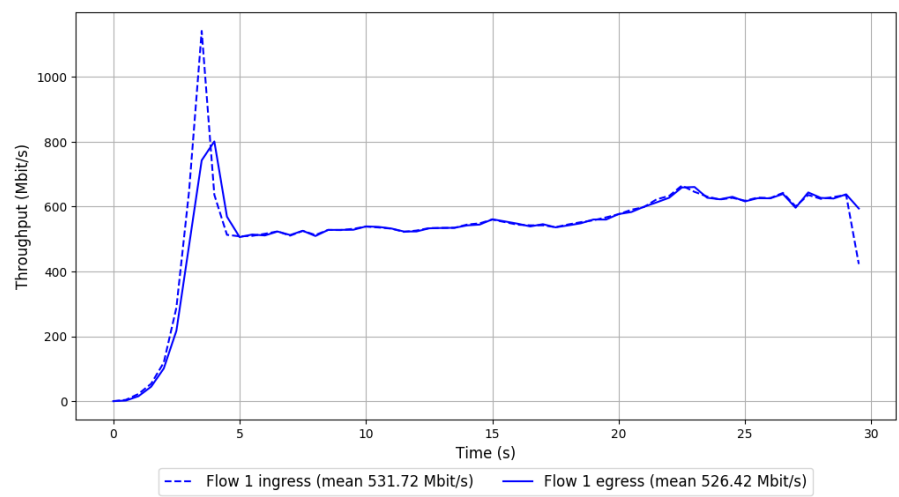


```
Run 1: Statistics of PCC

Start at: 2018-02-28 02:39:46
End at: 2018-02-28 02:40:16

# Below is generated by plot.py at 2018-02-28 06:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 526.42 Mbit/s
95th percentile per-packet one-way delay: 159.310 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 526.42 Mbit/s
95th percentile per-packet one-way delay: 159.310 ms
Loss rate: 1.00%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-28 02:55:23

End at: 2018-02-28 02:55:53

Below is generated by plot.py at 2018-02-28 06:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.95 Mbit/s

95th percentile per-packet one-way delay: 153.299 ms

Loss rate: 0.87%

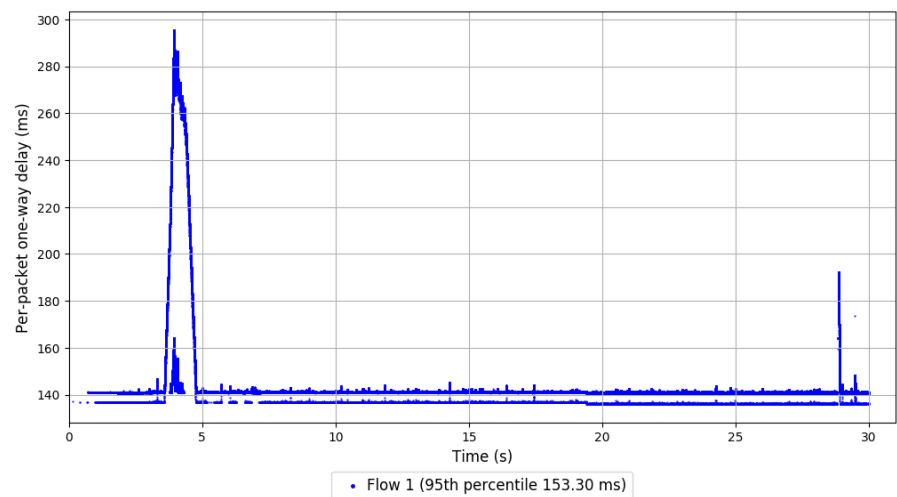
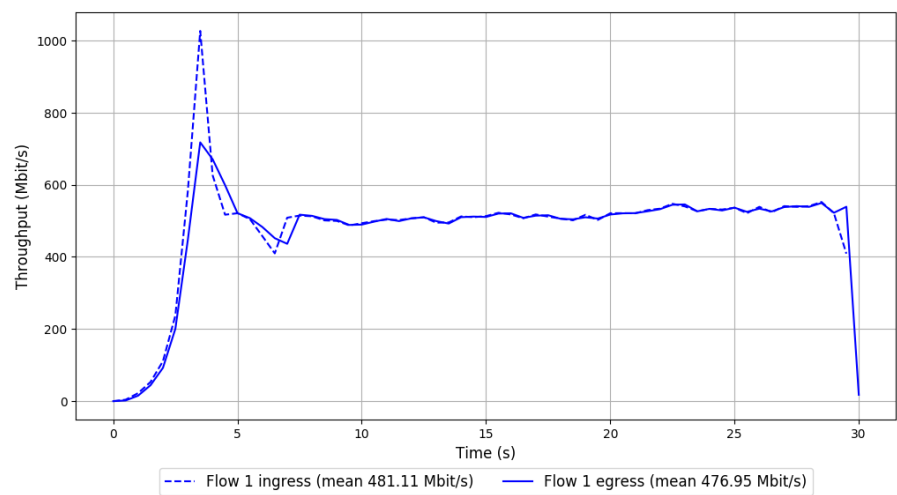
-- Flow 1:

Average throughput: 476.95 Mbit/s

95th percentile per-packet one-way delay: 153.299 ms

Loss rate: 0.87%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-28 03:11:44

End at: 2018-02-28 03:12:14

Below is generated by plot.py at 2018-02-28 06:48:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 570.76 Mbit/s

95th percentile per-packet one-way delay: 168.501 ms

Loss rate: 0.75%

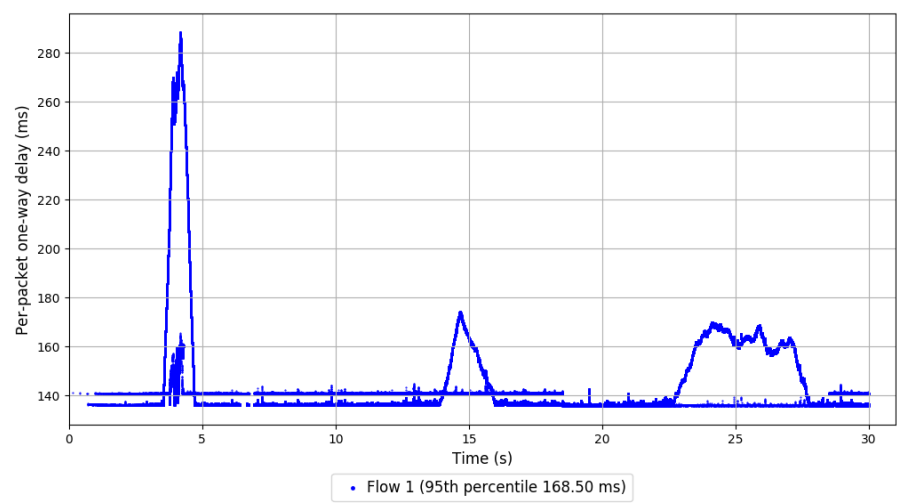
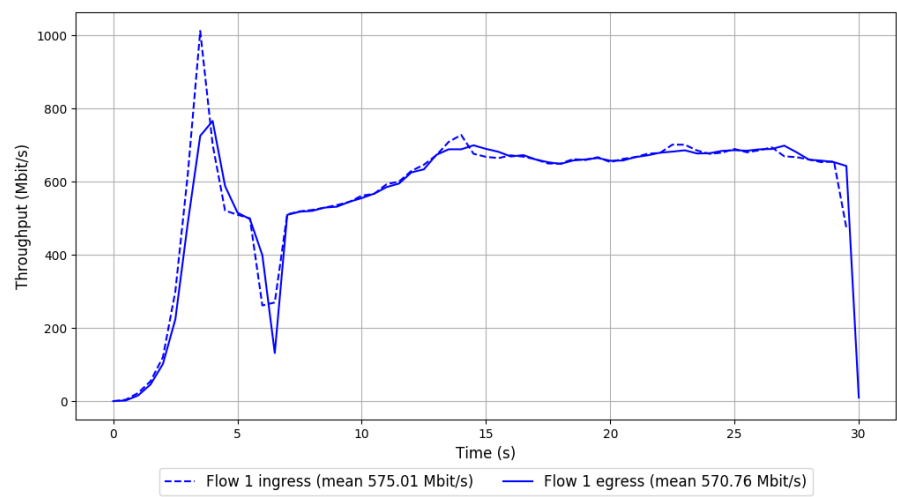
-- Flow 1:

Average throughput: 570.76 Mbit/s

95th percentile per-packet one-way delay: 168.501 ms

Loss rate: 0.75%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-28 03:27:51

End at: 2018-02-28 03:28:21

Below is generated by plot.py at 2018-02-28 06:48:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 549.79 Mbit/s

95th percentile per-packet one-way delay: 190.534 ms

Loss rate: 0.55%

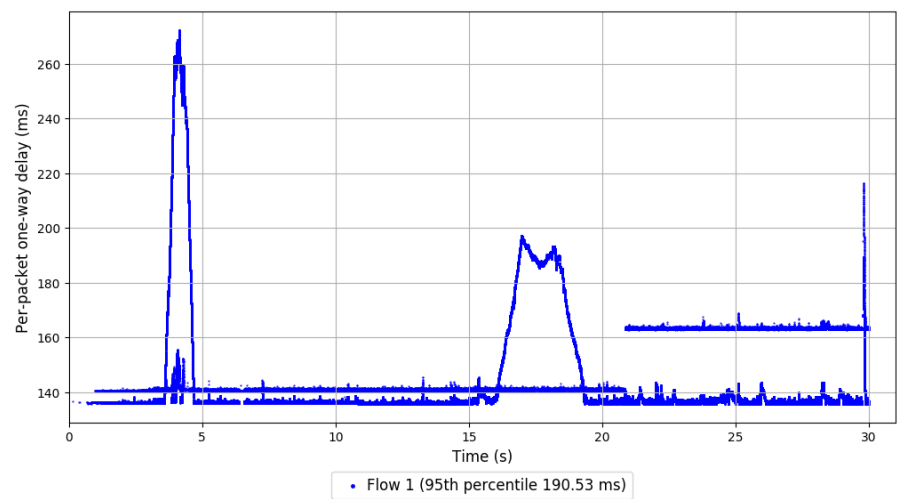
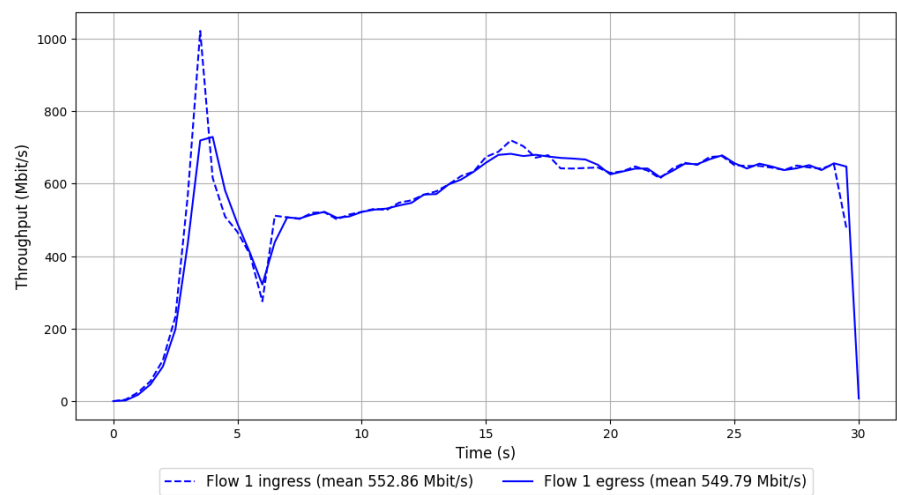
-- Flow 1:

Average throughput: 549.79 Mbit/s

95th percentile per-packet one-way delay: 190.534 ms

Loss rate: 0.55%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-28 03:44:05

End at: 2018-02-28 03:44:35

Below is generated by plot.py at 2018-02-28 06:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 559.04 Mbit/s

95th percentile per-packet one-way delay: 200.210 ms

Loss rate: 0.76%

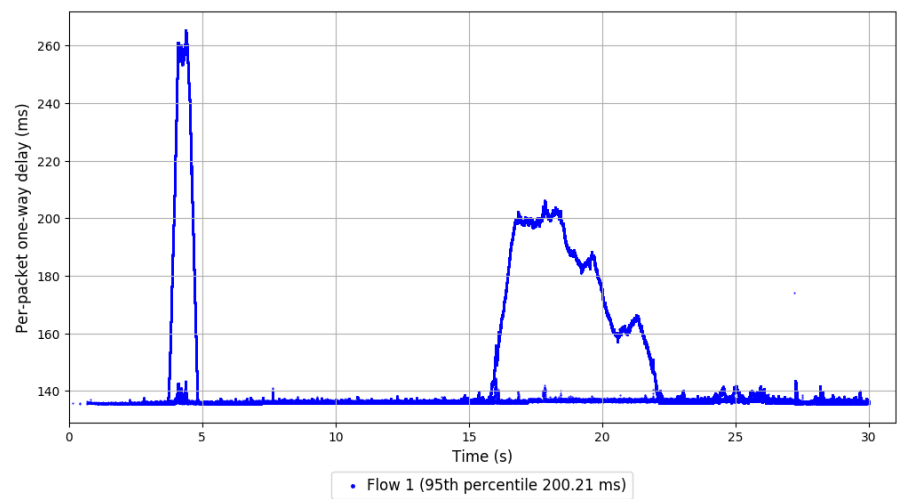
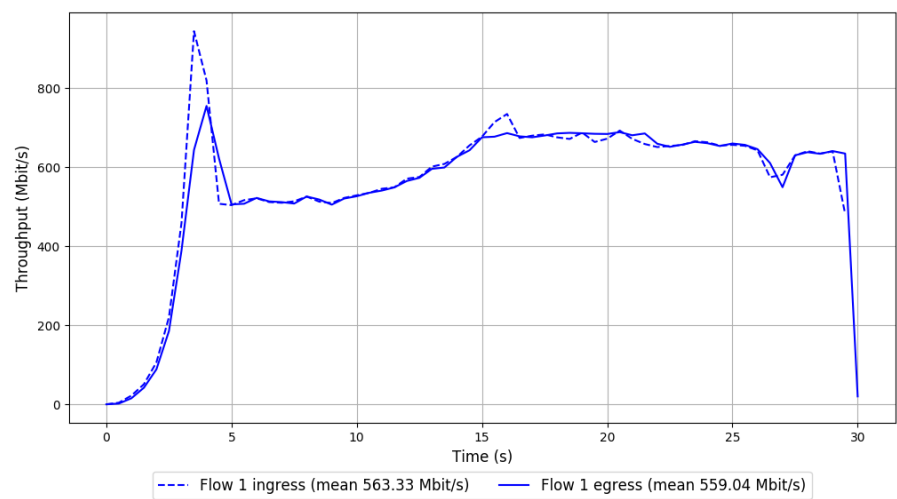
-- Flow 1:

Average throughput: 559.04 Mbit/s

95th percentile per-packet one-way delay: 200.210 ms

Loss rate: 0.76%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-28 04:00:17

End at: 2018-02-28 04:00:47

Below is generated by plot.py at 2018-02-28 06:48:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.13 Mbit/s

95th percentile per-packet one-way delay: 155.535 ms

Loss rate: 0.92%

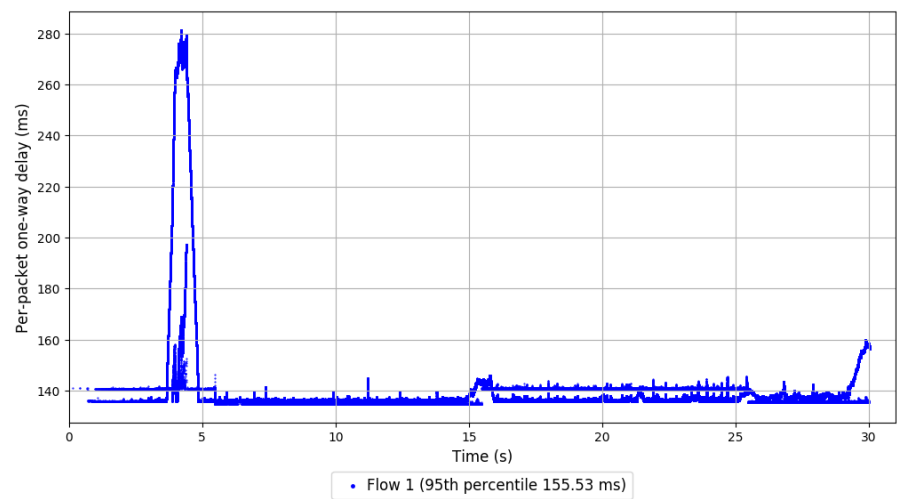
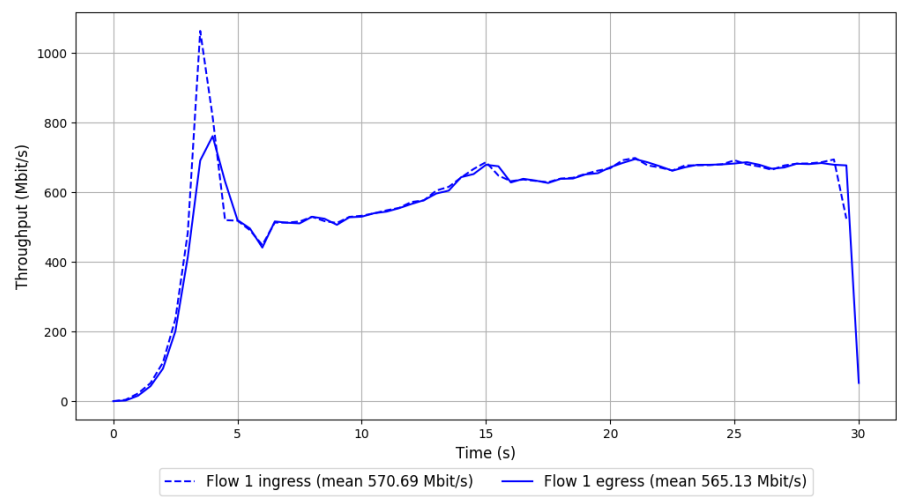
-- Flow 1:

Average throughput: 565.13 Mbit/s

95th percentile per-packet one-way delay: 155.535 ms

Loss rate: 0.92%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-28 04:16:31

End at: 2018-02-28 04:17:01

Below is generated by plot.py at 2018-02-28 06:48:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 568.76 Mbit/s

95th percentile per-packet one-way delay: 175.195 ms

Loss rate: 0.13%

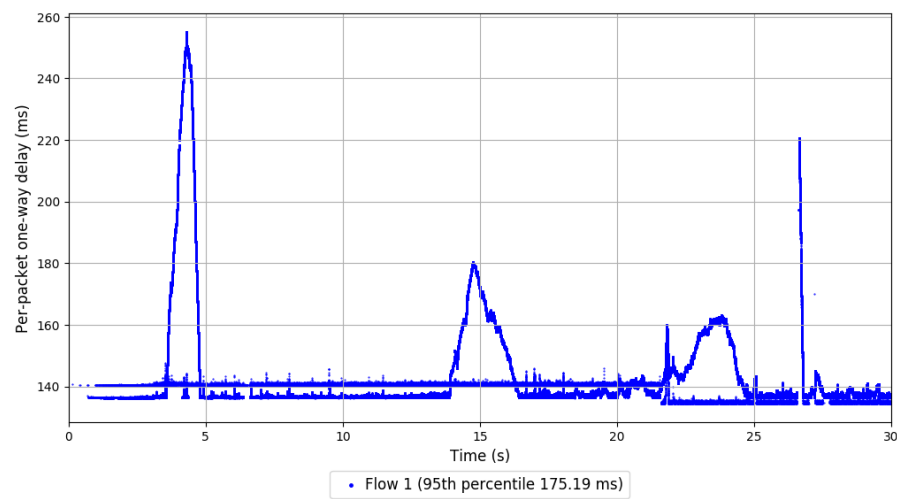
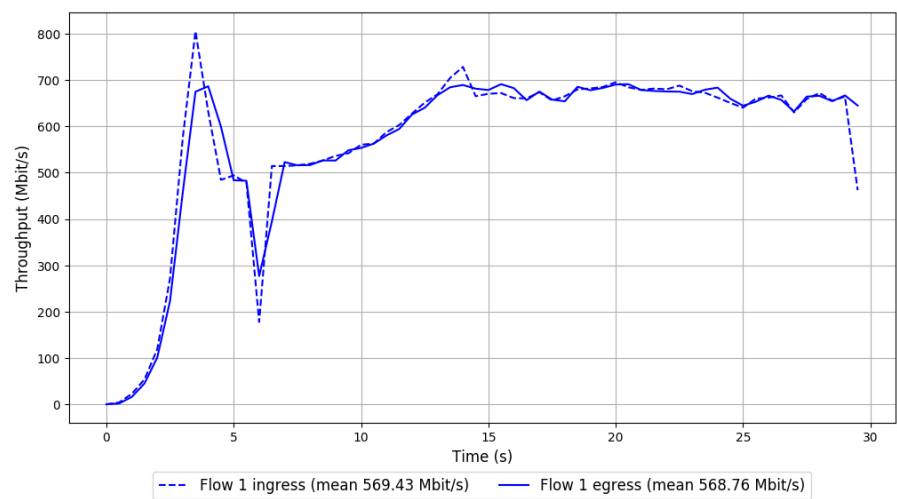
-- Flow 1:

Average throughput: 568.76 Mbit/s

95th percentile per-packet one-way delay: 175.195 ms

Loss rate: 0.13%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-28 04:32:40

End at: 2018-02-28 04:33:10

Below is generated by plot.py at 2018-02-28 06:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.54 Mbit/s

95th percentile per-packet one-way delay: 224.108 ms

Loss rate: 1.03%

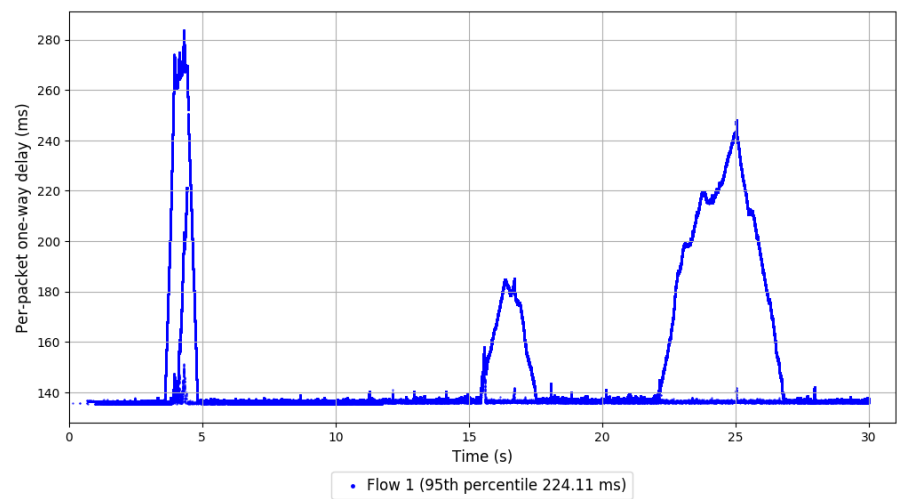
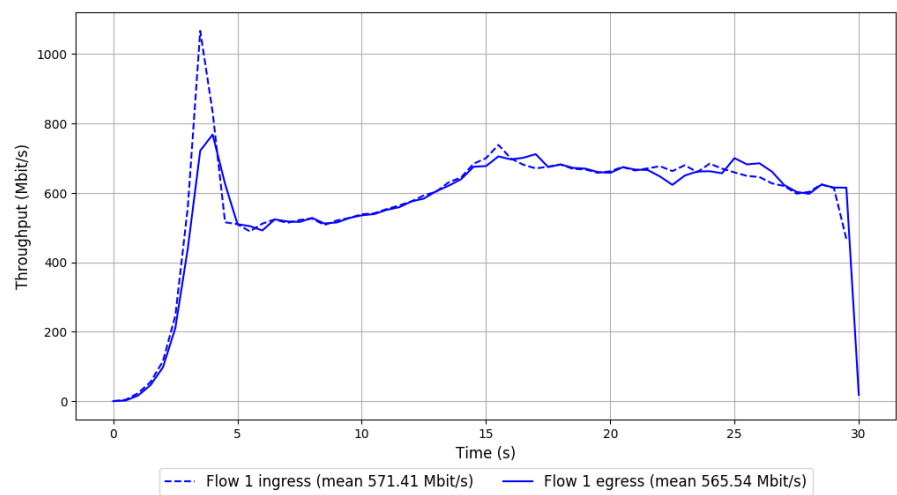
-- Flow 1:

Average throughput: 565.54 Mbit/s

95th percentile per-packet one-way delay: 224.108 ms

Loss rate: 1.03%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-28 04:48:52

End at: 2018-02-28 04:49:22

Below is generated by plot.py at 2018-02-28 06:57:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 554.35 Mbit/s

95th percentile per-packet one-way delay: 166.873 ms

Loss rate: 0.98%

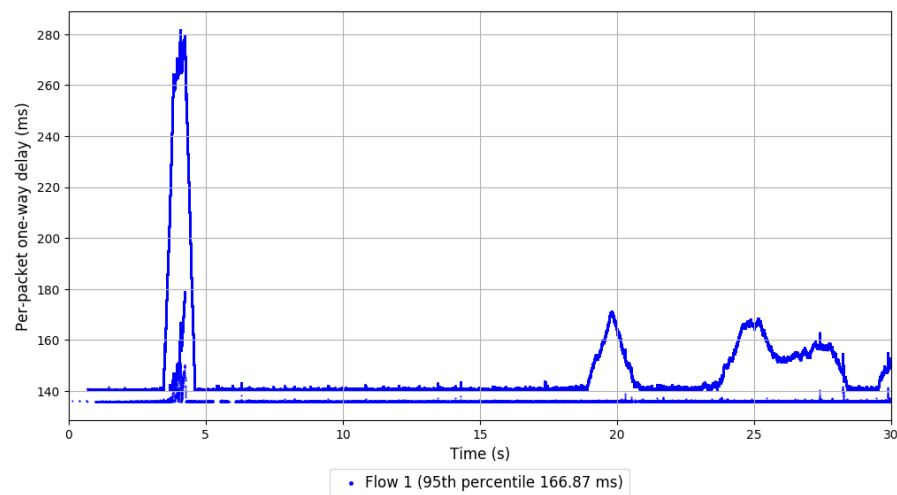
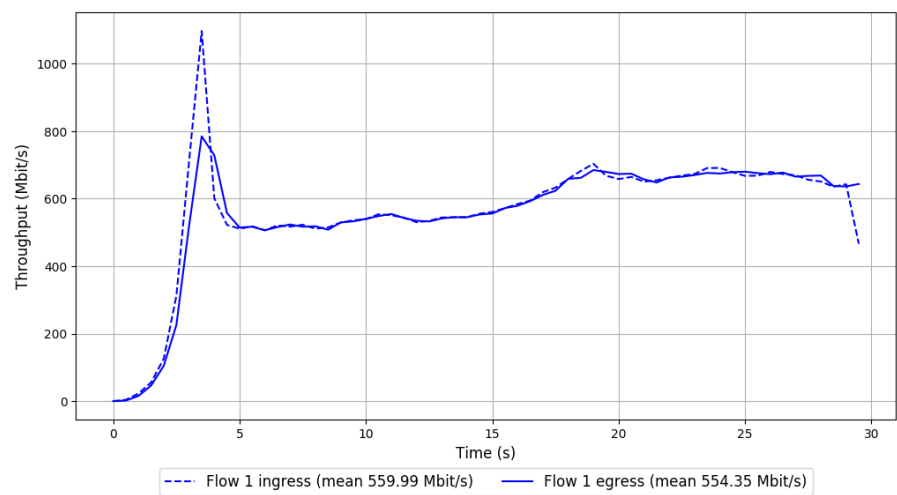
-- Flow 1:

Average throughput: 554.35 Mbit/s

95th percentile per-packet one-way delay: 166.873 ms

Loss rate: 0.98%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-28 05:05:04

End at: 2018-02-28 05:05:34

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 542.67 Mbit/s

95th percentile per-packet one-way delay: 188.671 ms

Loss rate: 1.02%

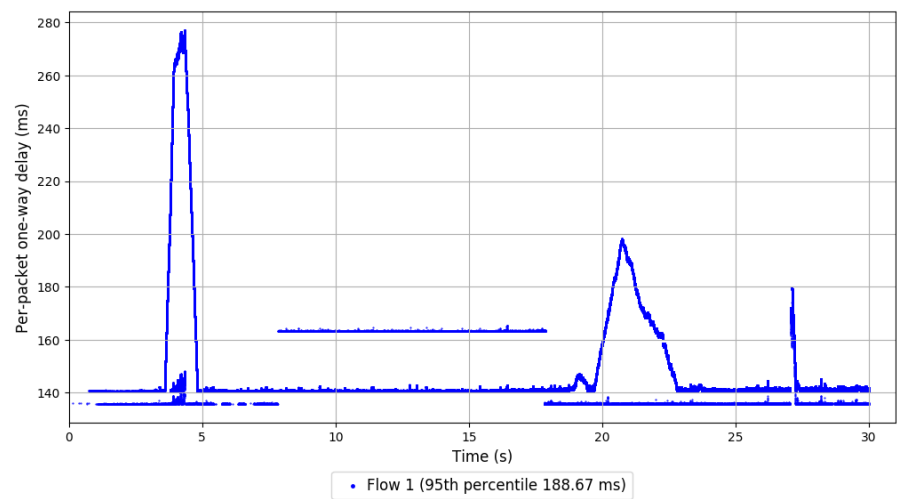
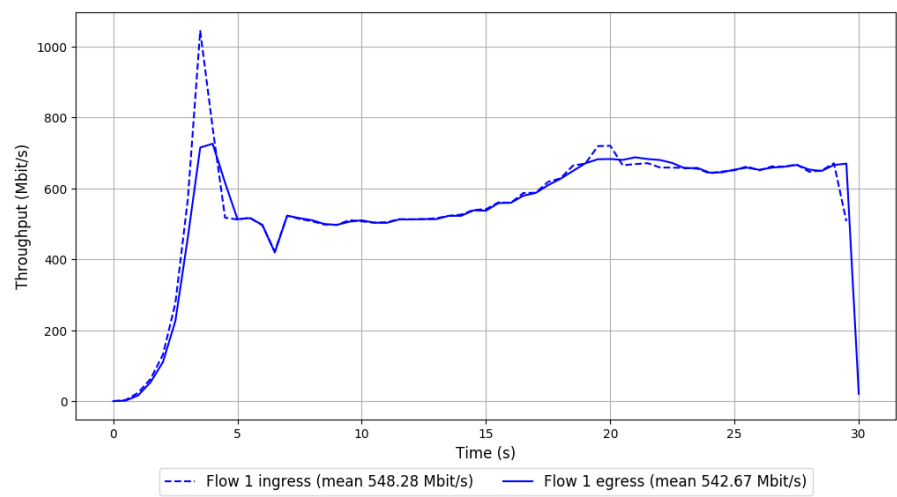
-- Flow 1:

Average throughput: 542.67 Mbit/s

95th percentile per-packet one-way delay: 188.671 ms

Loss rate: 1.02%

Run 10: Report of PCC — Data Link

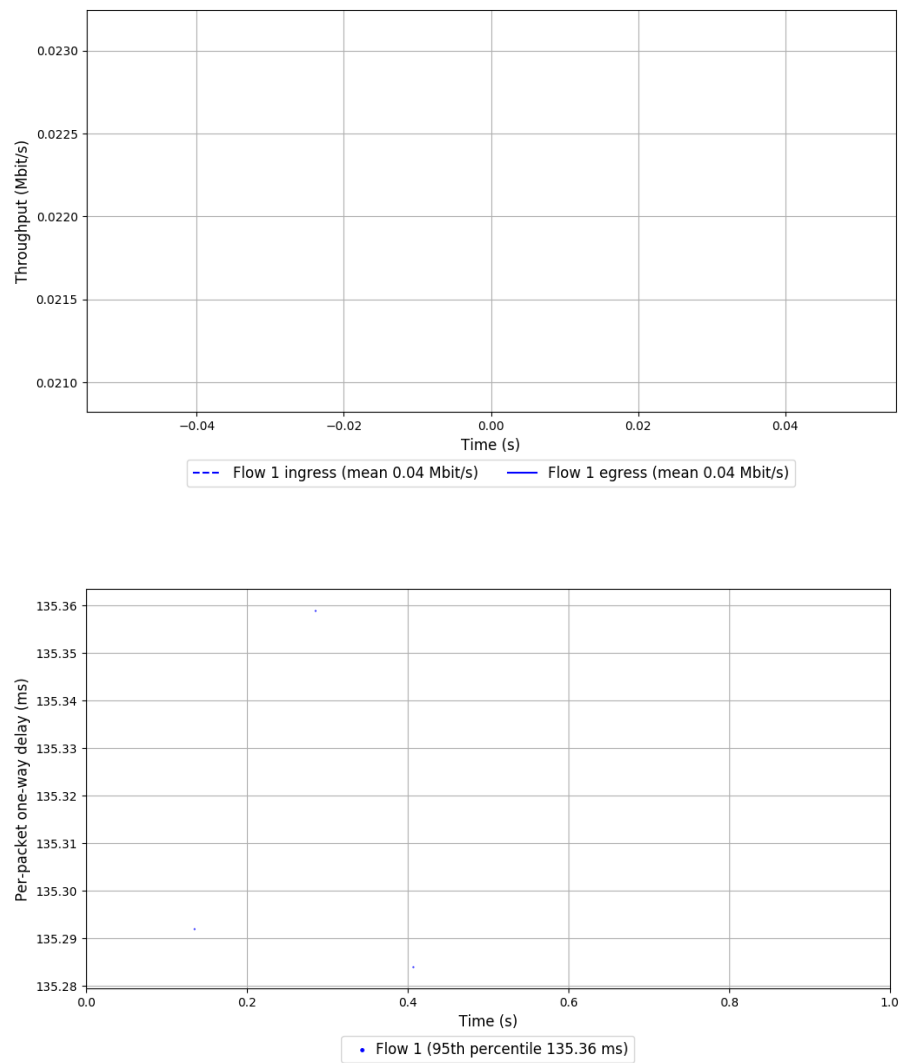


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-28 02:45:26

End at: 2018-02-28 02:45:56

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-28 03:01:09

End at: 2018-02-28 03:01:39

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 140.923 ms

Loss rate: 0.01%

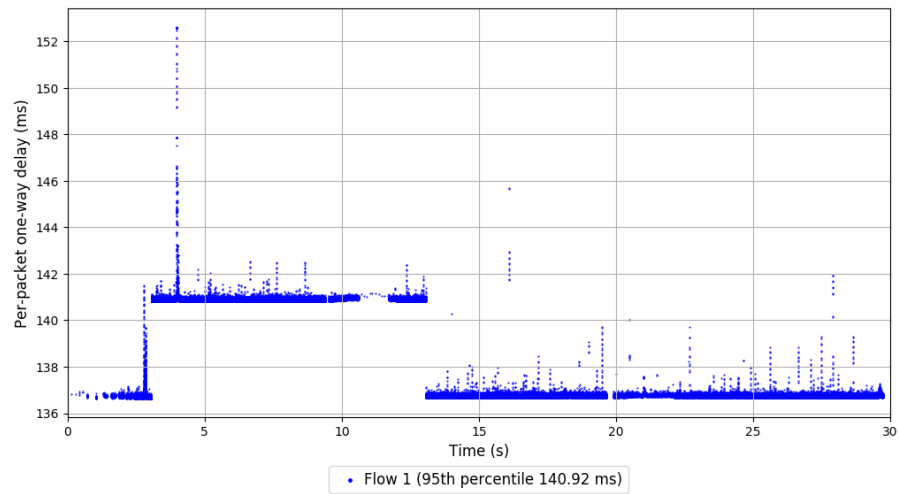
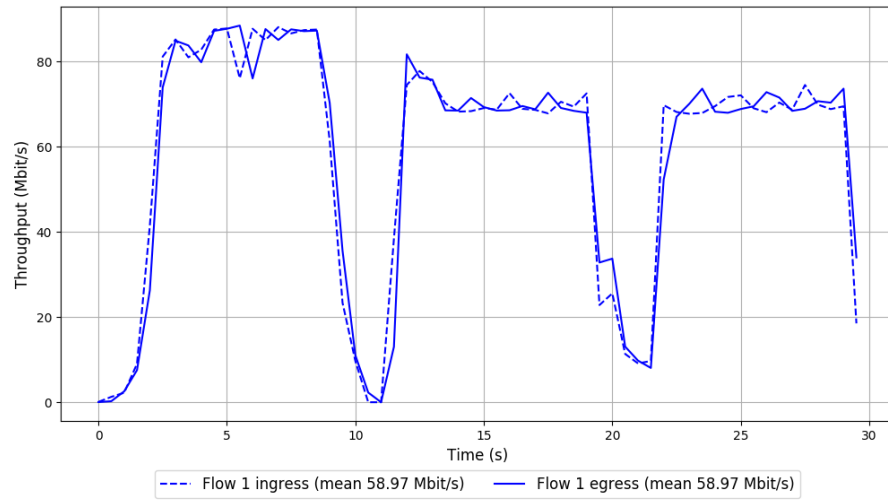
-- Flow 1:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 140.923 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-28 03:17:17

End at: 2018-02-28 03:17:47

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.58 Mbit/s

95th percentile per-packet one-way delay: 163.130 ms

Loss rate: 0.14%

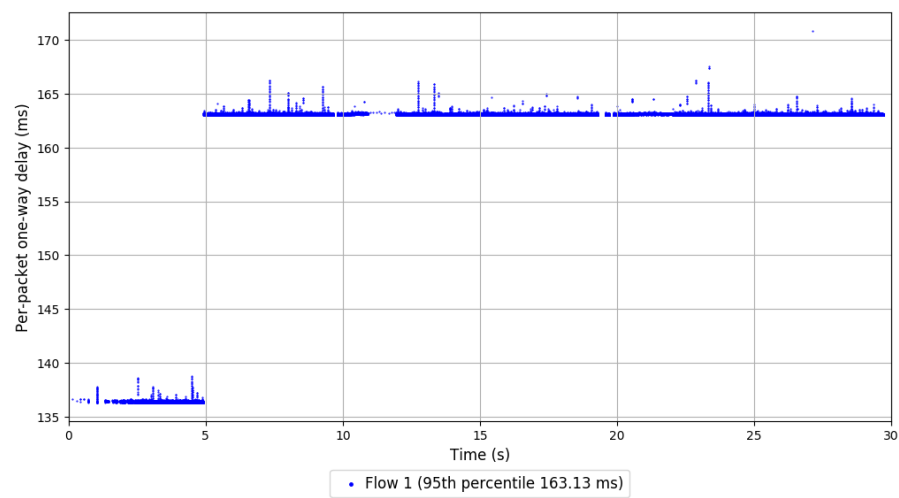
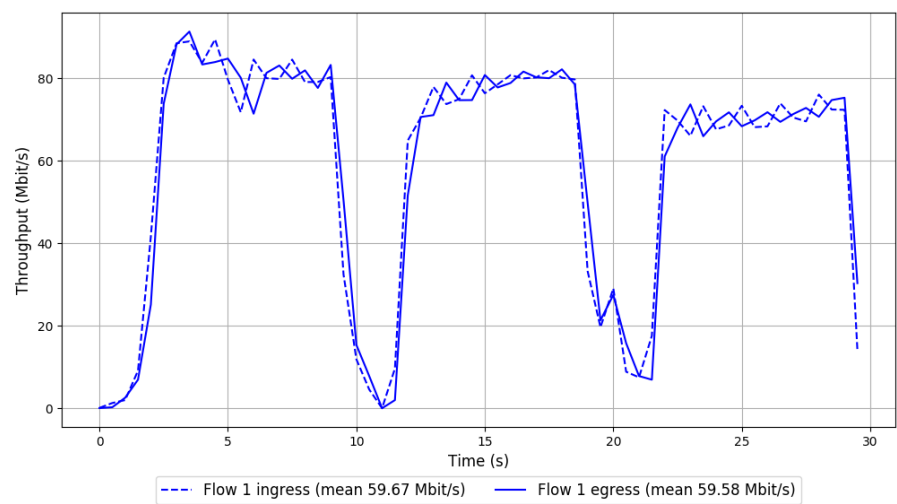
-- Flow 1:

Average throughput: 59.58 Mbit/s

95th percentile per-packet one-way delay: 163.130 ms

Loss rate: 0.14%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-28 03:33:44

End at: 2018-02-28 03:34:14

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.67 Mbit/s

95th percentile per-packet one-way delay: 163.080 ms

Loss rate: 0.00%

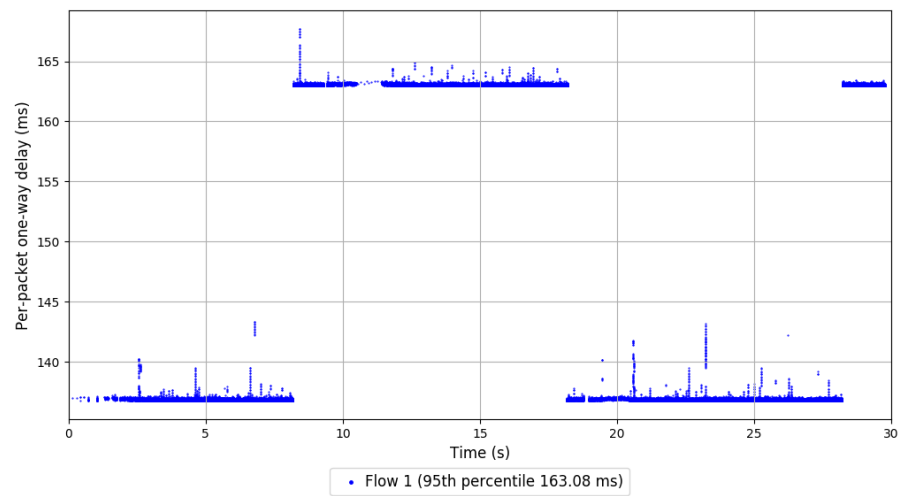
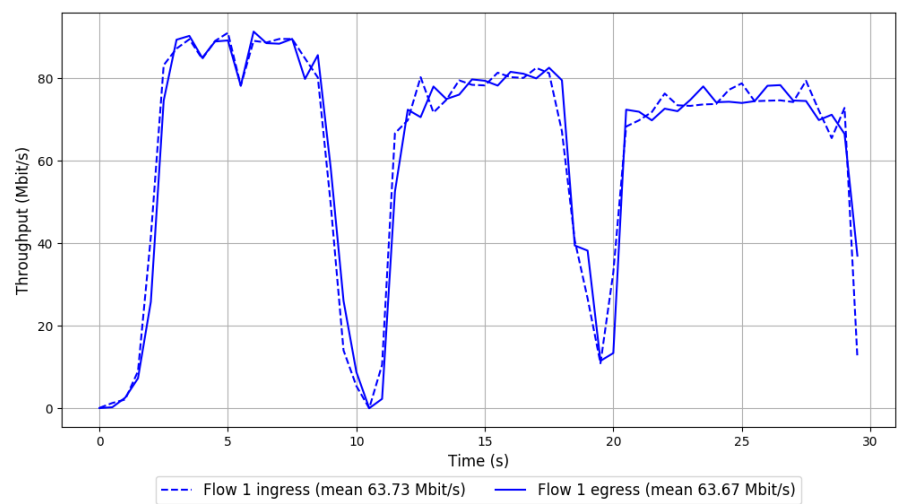
-- Flow 1:

Average throughput: 63.67 Mbit/s

95th percentile per-packet one-way delay: 163.080 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-28 03:49:44

End at: 2018-02-28 03:50:14

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.06 Mbit/s

95th percentile per-packet one-way delay: 141.012 ms

Loss rate: 0.02%

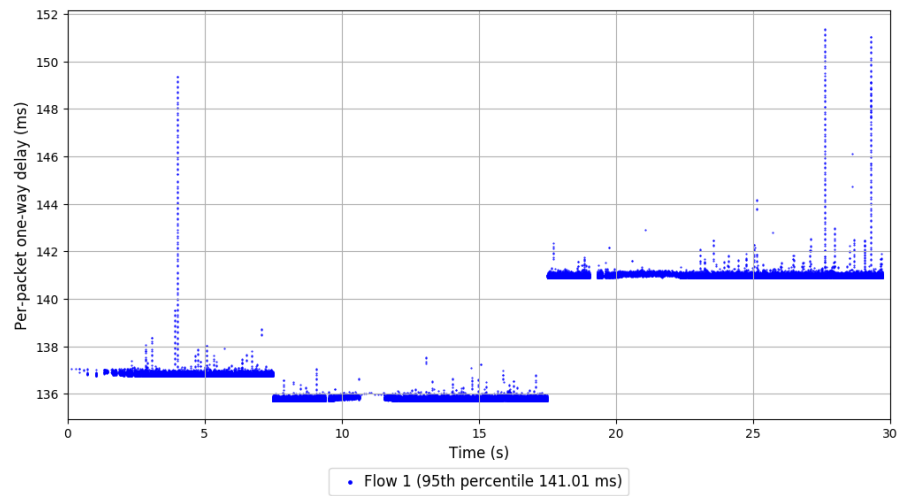
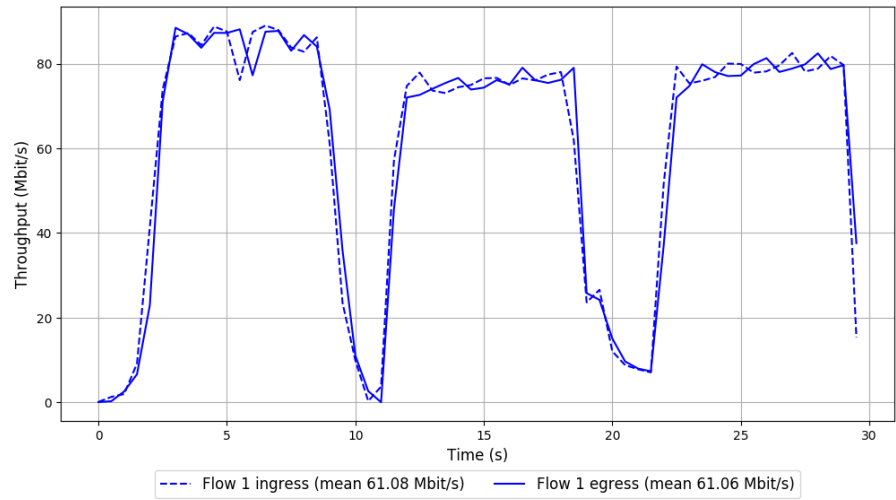
-- Flow 1:

Average throughput: 61.06 Mbit/s

95th percentile per-packet one-way delay: 141.012 ms

Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-28 04:06:08

End at: 2018-02-28 04:06:38

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.01 Mbit/s

95th percentile per-packet one-way delay: 136.889 ms

Loss rate: 0.00%

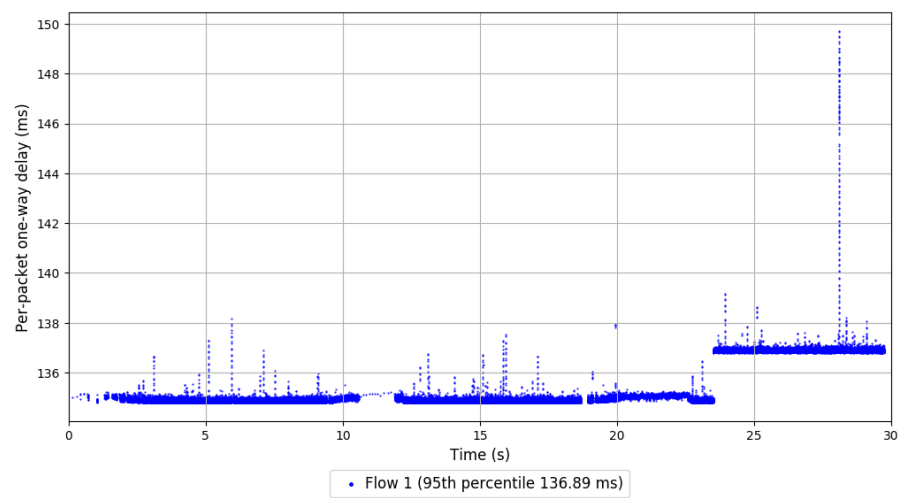
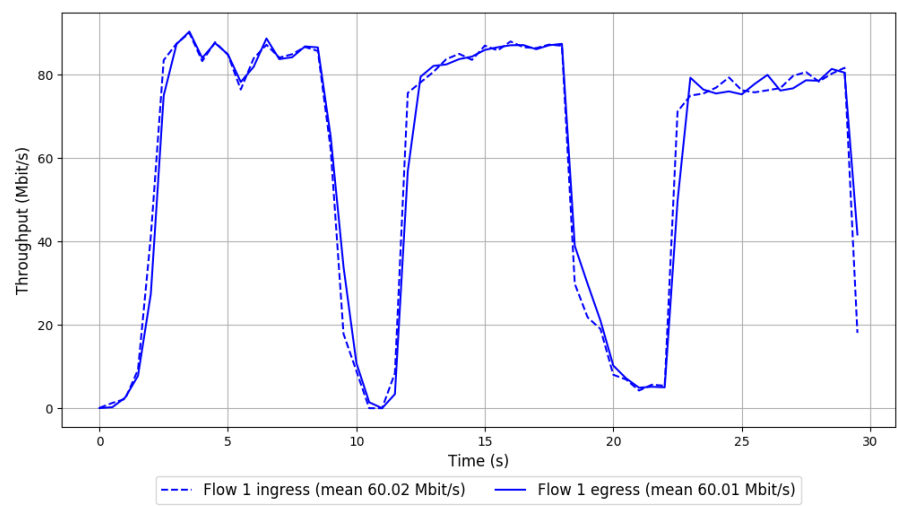
-- Flow 1:

Average throughput: 60.01 Mbit/s

95th percentile per-packet one-way delay: 136.889 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-28 04:22:10

End at: 2018-02-28 04:22:40

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 140.313 ms

Loss rate: 0.00%

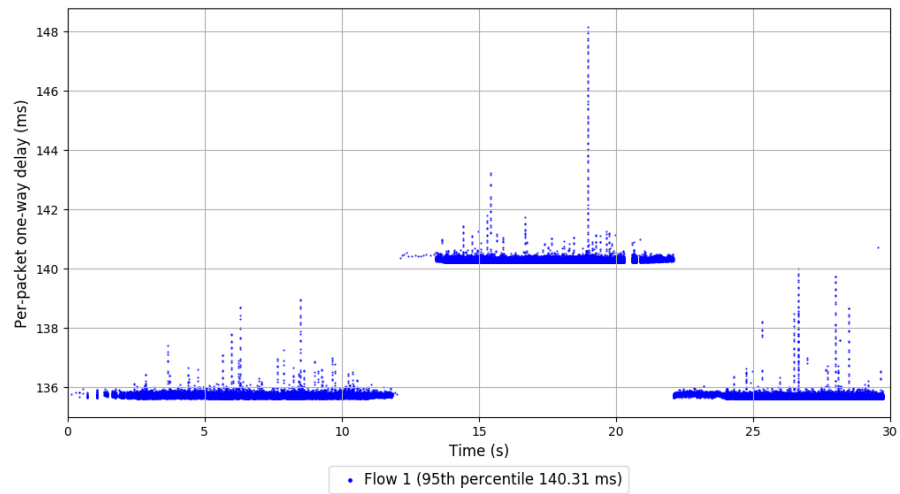
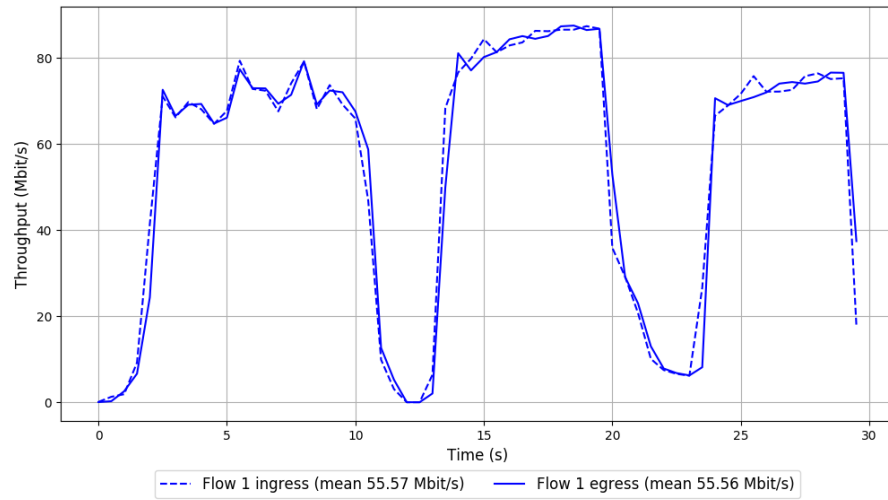
-- Flow 1:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 140.313 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-28 04:38:24

End at: 2018-02-28 04:38:54

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.28 Mbit/s

95th percentile per-packet one-way delay: 140.393 ms

Loss rate: 0.00%

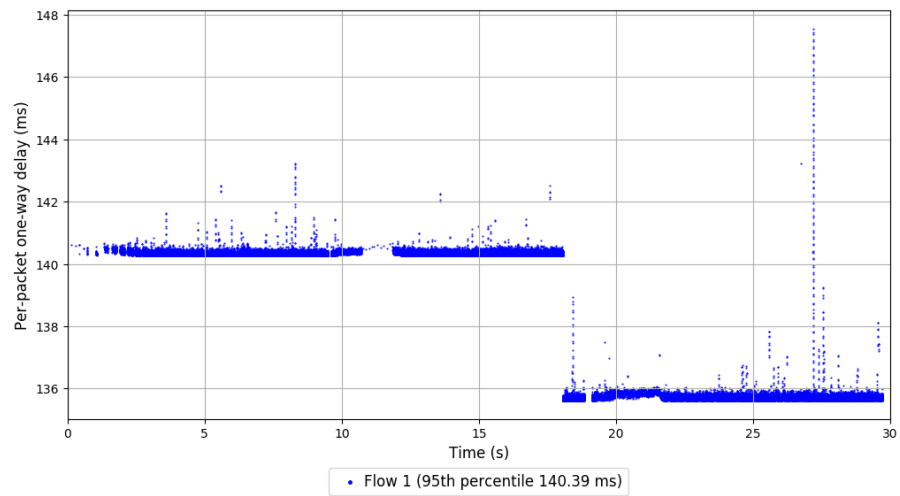
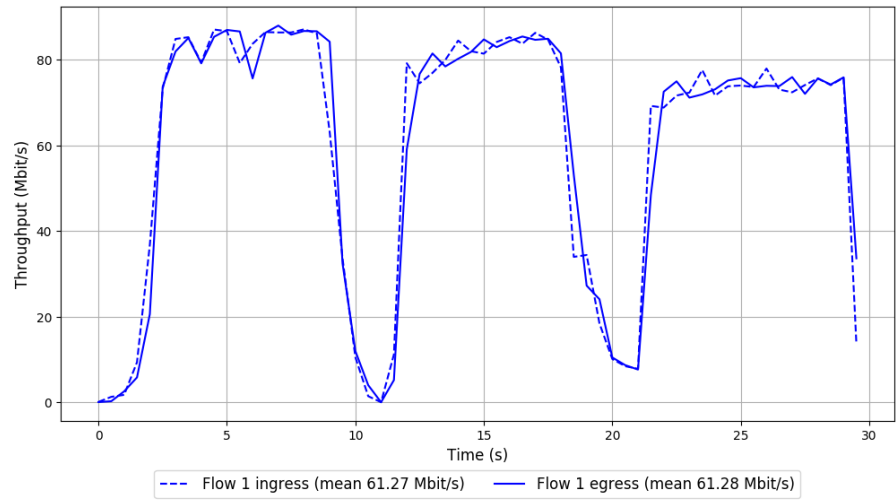
-- Flow 1:

Average throughput: 61.28 Mbit/s

95th percentile per-packet one-way delay: 140.393 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-28 04:54:26

End at: 2018-02-28 04:54:56

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.83 Mbit/s

95th percentile per-packet one-way delay: 135.691 ms

Loss rate: 0.00%

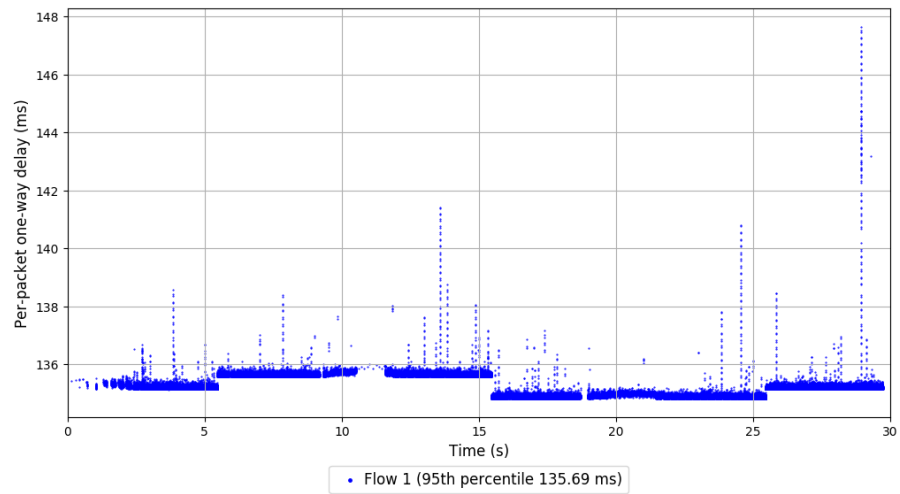
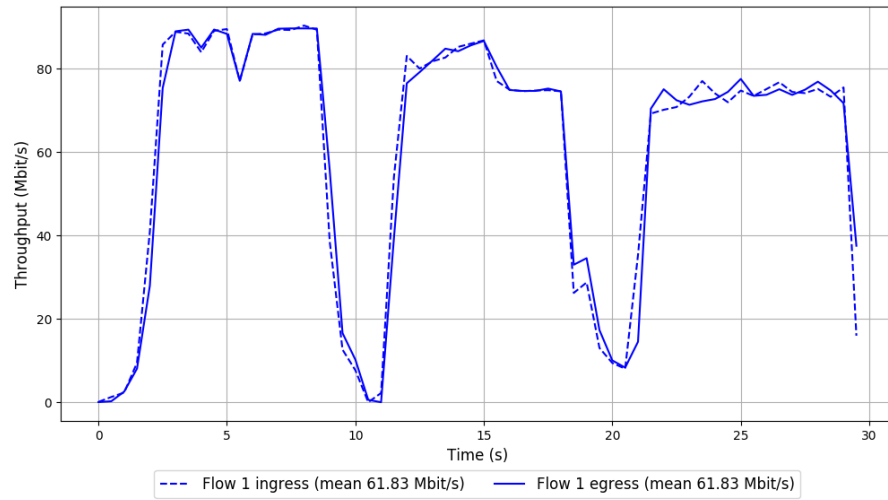
-- Flow 1:

Average throughput: 61.83 Mbit/s

95th percentile per-packet one-way delay: 135.691 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-28 05:10:46

End at: 2018-02-28 05:11:16

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.87 Mbit/s

95th percentile per-packet one-way delay: 163.700 ms

Loss rate: 0.00%

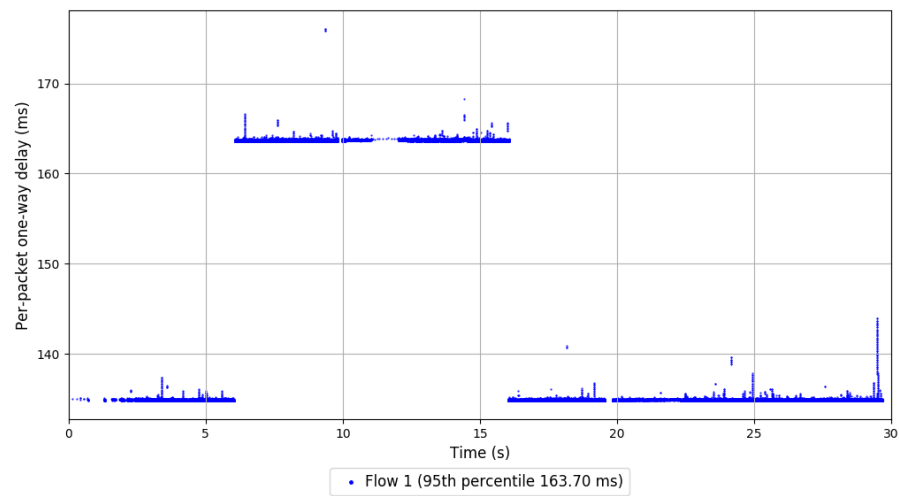
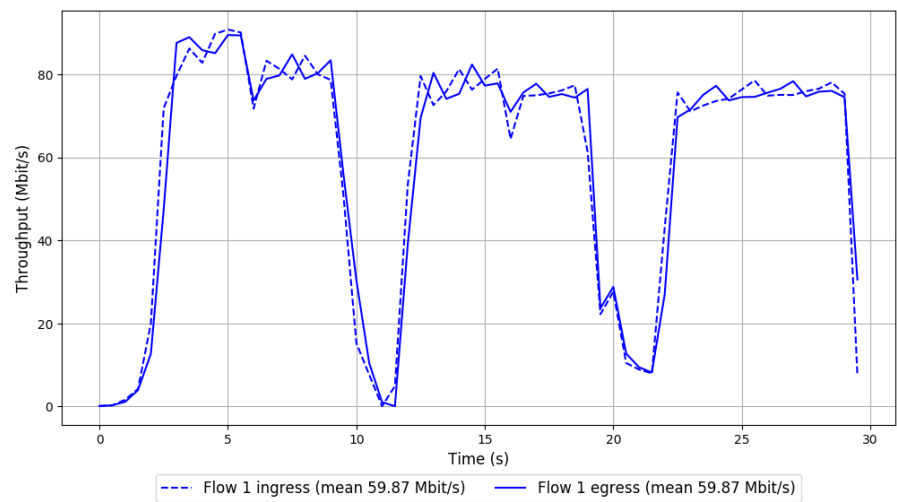
-- Flow 1:

Average throughput: 59.87 Mbit/s

95th percentile per-packet one-way delay: 163.700 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

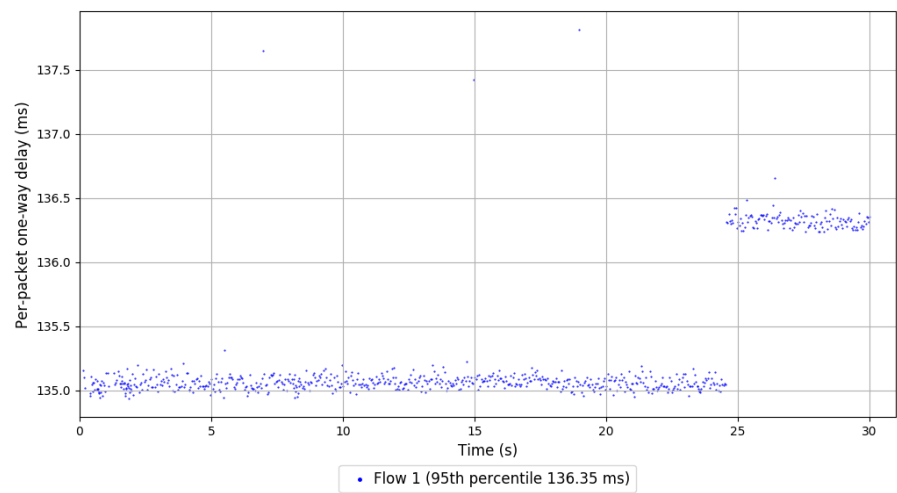
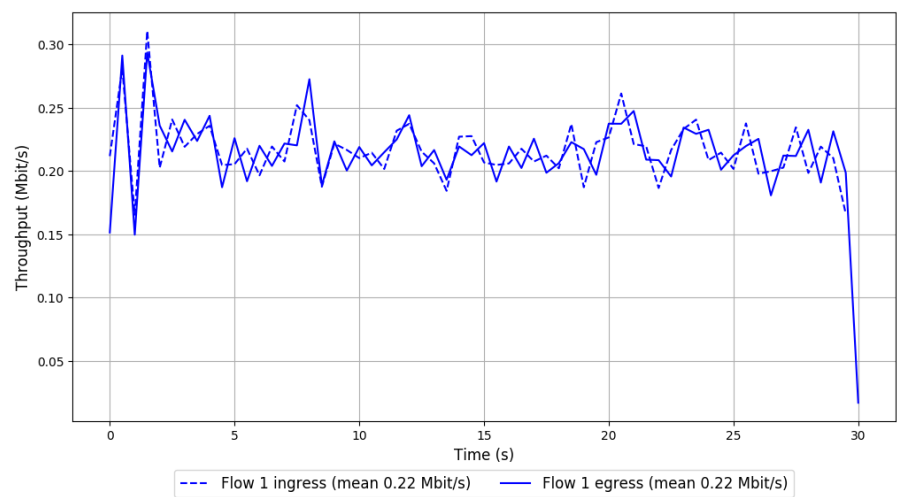


```
Run 1: Statistics of SCReAM

Start at: 2018-02-28 02:48:38
End at: 2018-02-28 02:49:08

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.349 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

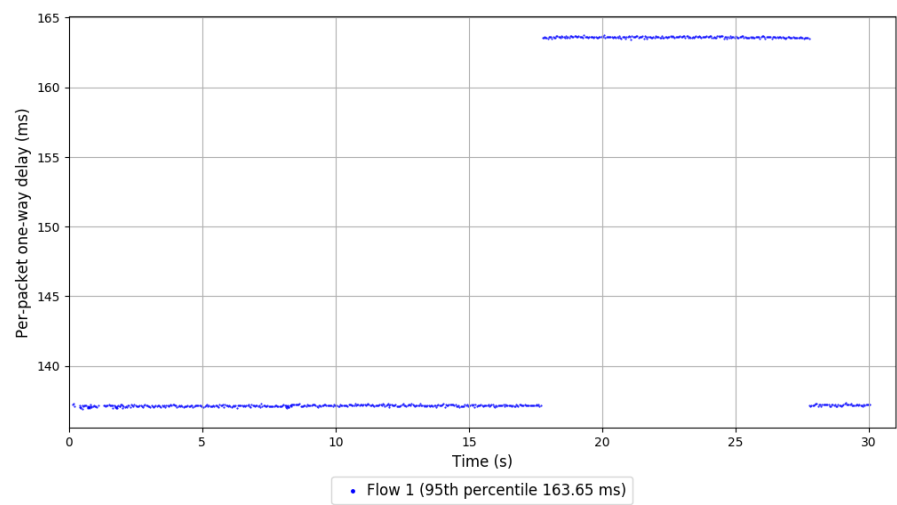
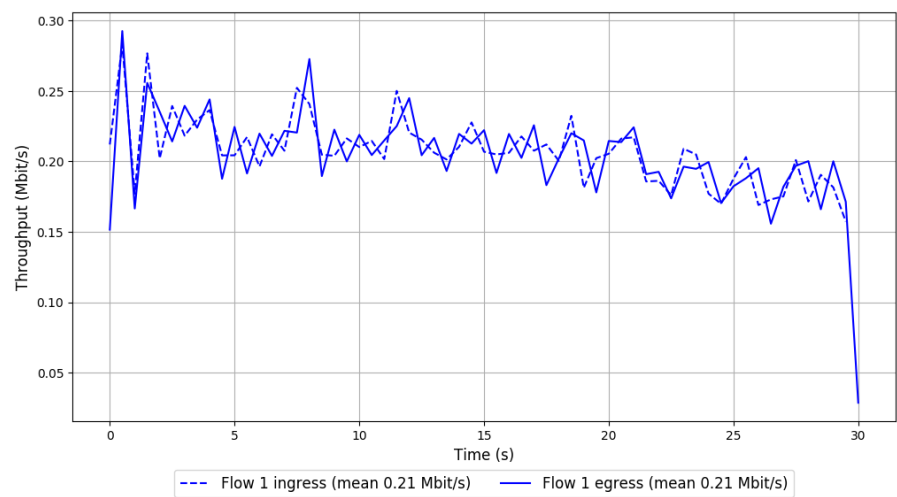


```
Run 2: Statistics of SCReAM

Start at: 2018-02-28 03:04:24
End at: 2018-02-28 03:04:55

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 163.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 163.647 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-28 03:20:33

End at: 2018-02-28 03:21:03

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.620 ms

Loss rate: 0.00%

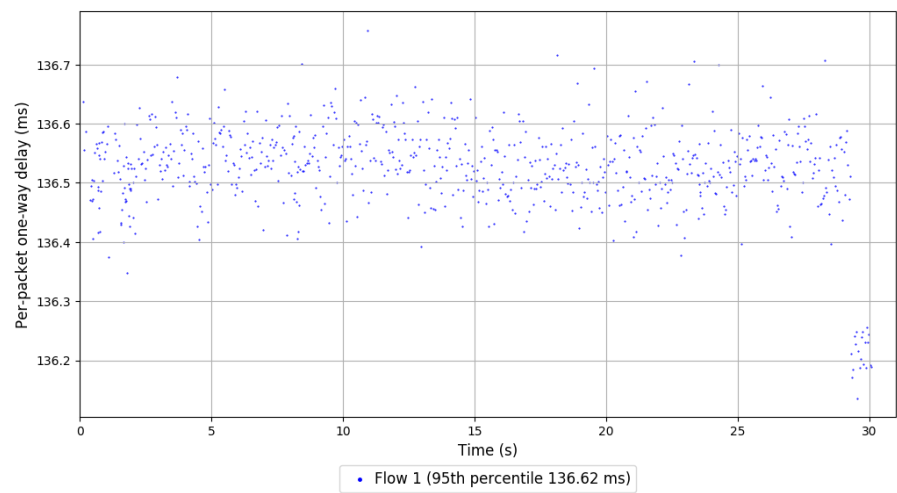
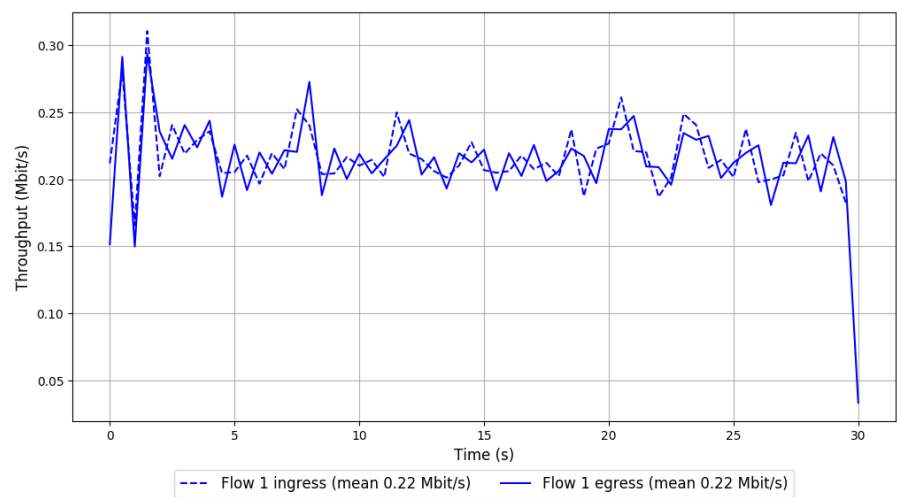
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.620 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-02-28 03:37:02

End at: 2018-02-28 03:37:32

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.636 ms

Loss rate: 0.00%

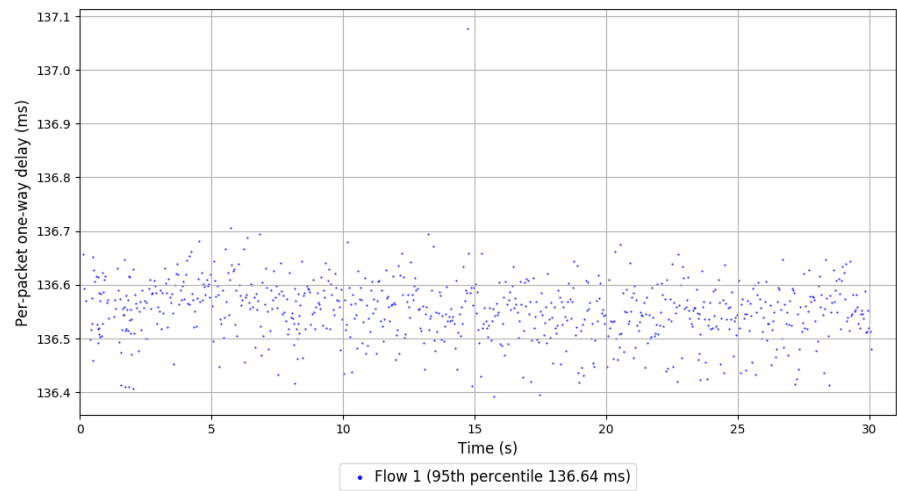
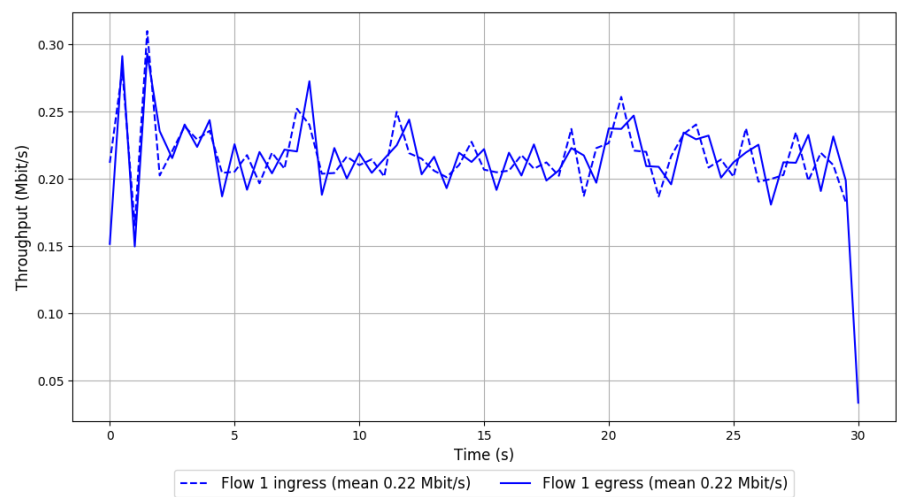
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.636 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-28 03:53:02

End at: 2018-02-28 03:53:32

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.151 ms

Loss rate: 0.00%

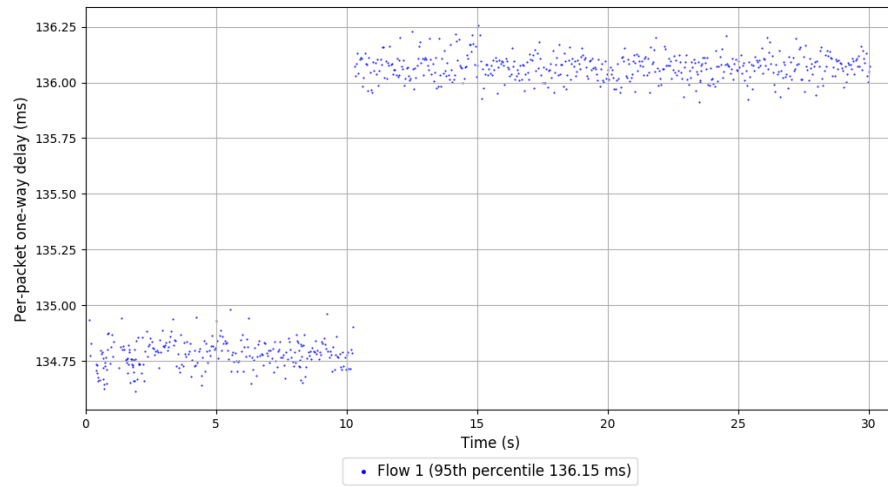
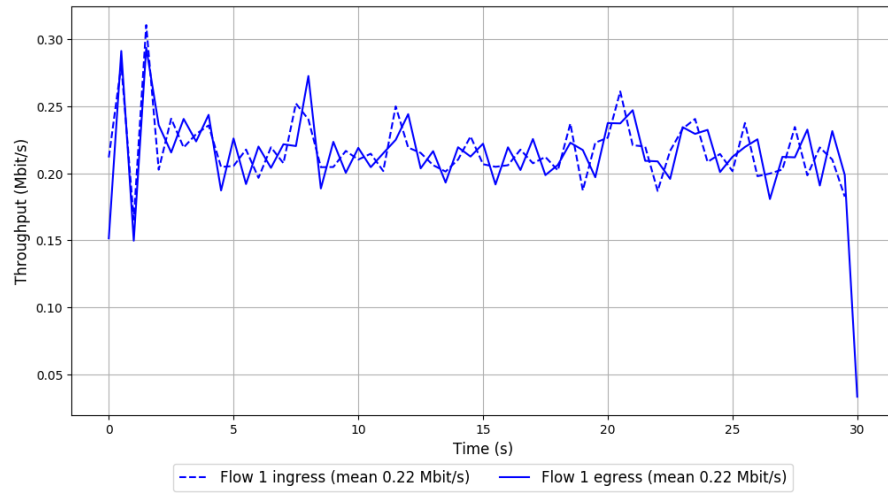
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.151 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-28 04:09:26

End at: 2018-02-28 04:09:56

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 141.054 ms

Loss rate: 0.00%

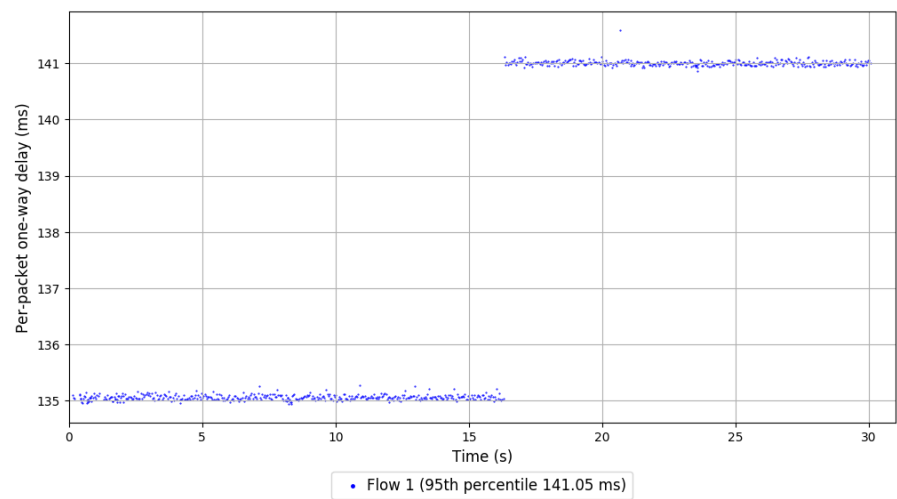
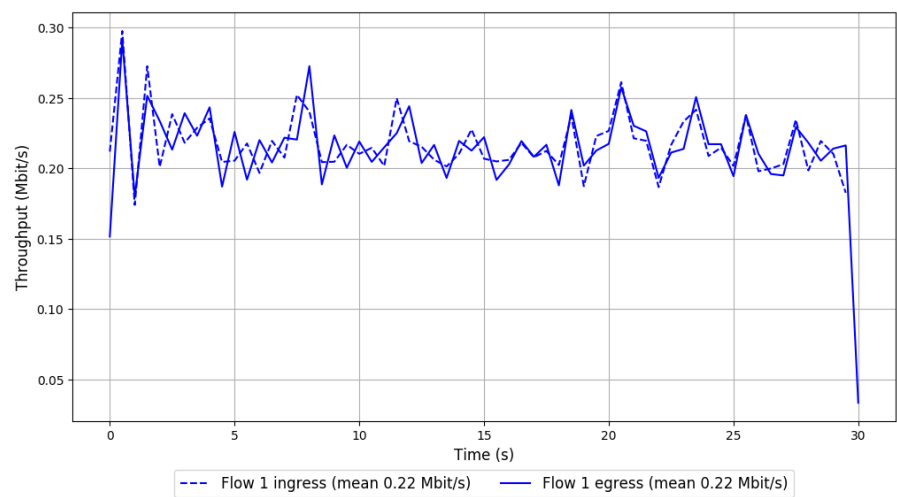
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 141.054 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

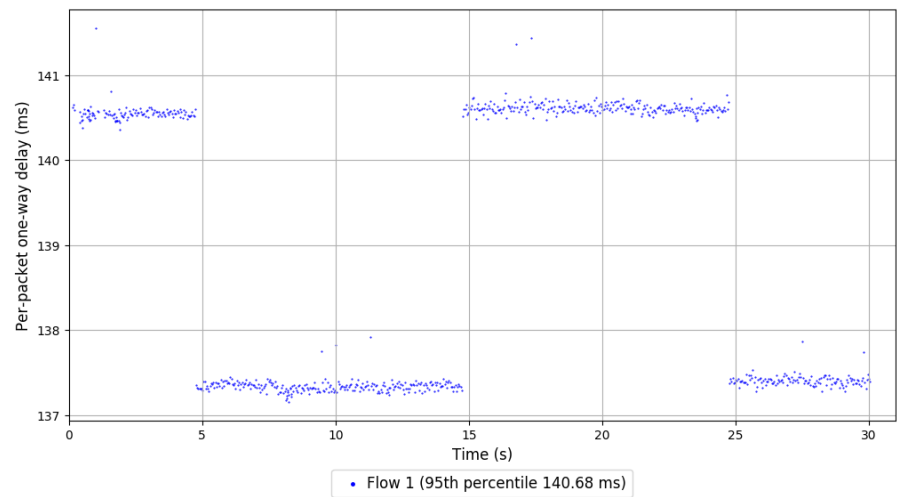
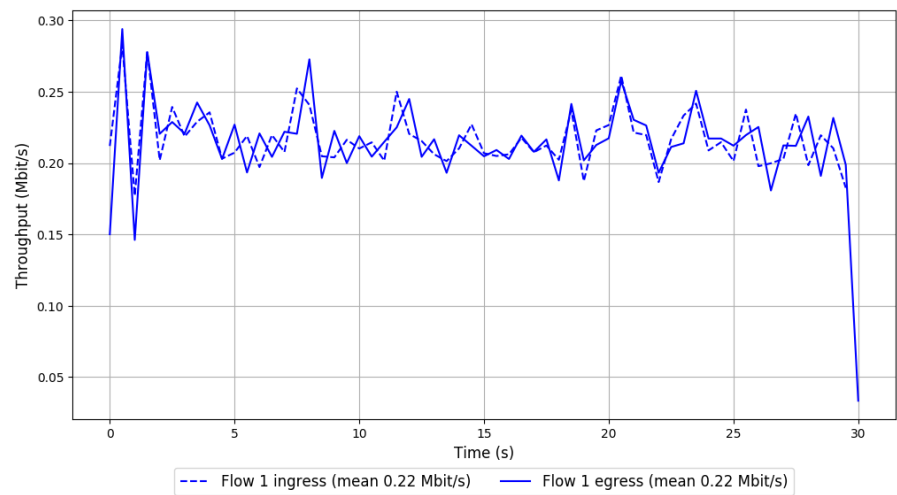


```
Run 7: Statistics of SCReAM

Start at: 2018-02-28 04:25:27
End at: 2018-02-28 04:25:58

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.677 ms
Loss rate: 0.00%
```


Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-28 04:41:41

End at: 2018-02-28 04:42:11

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.915 ms

Loss rate: 0.00%

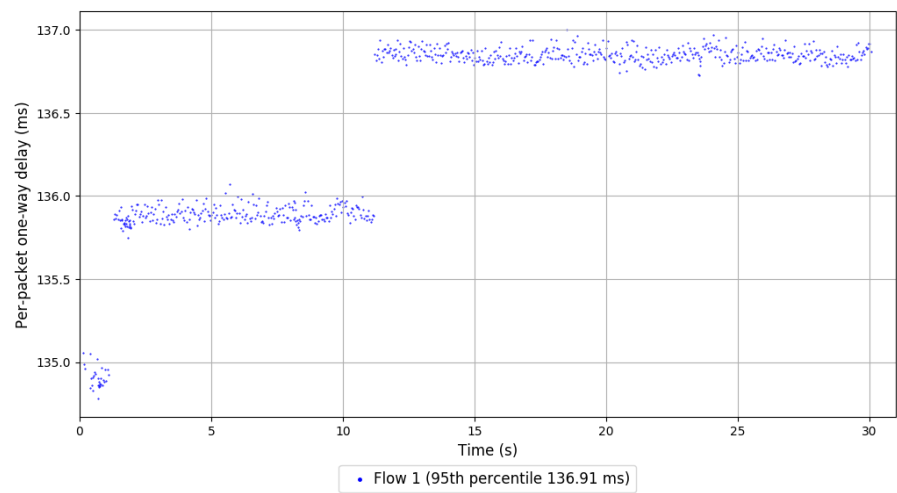
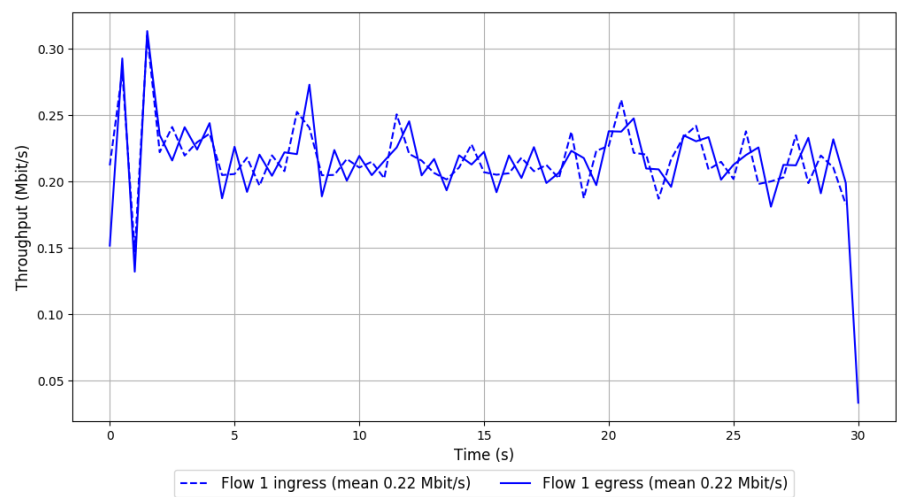
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.915 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-28 04:57:43

End at: 2018-02-28 04:58:13

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.724 ms

Loss rate: 0.00%

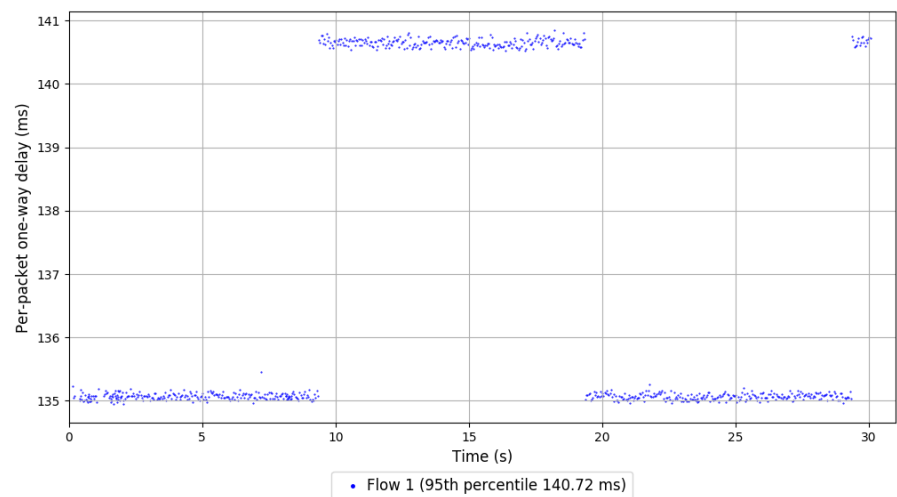
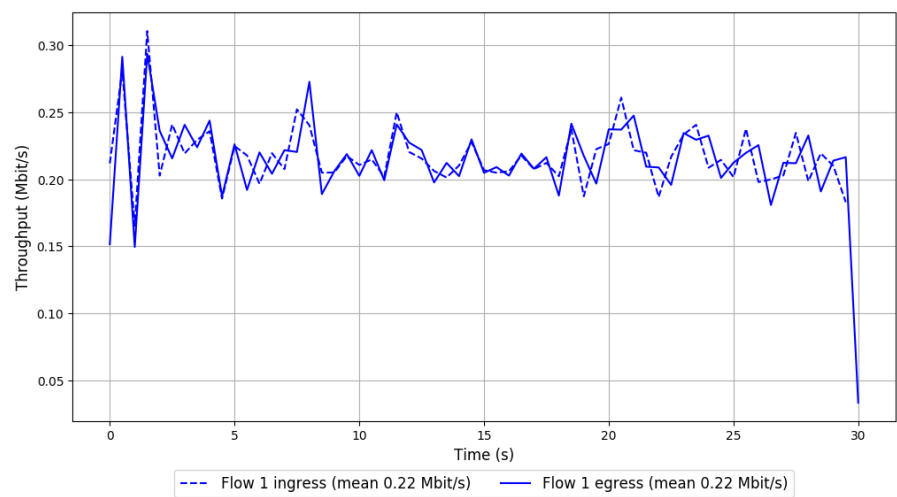
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.724 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

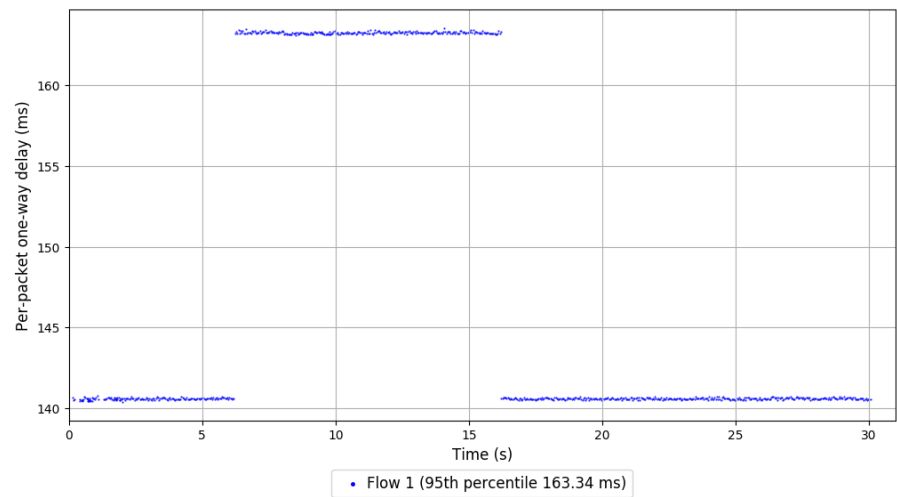
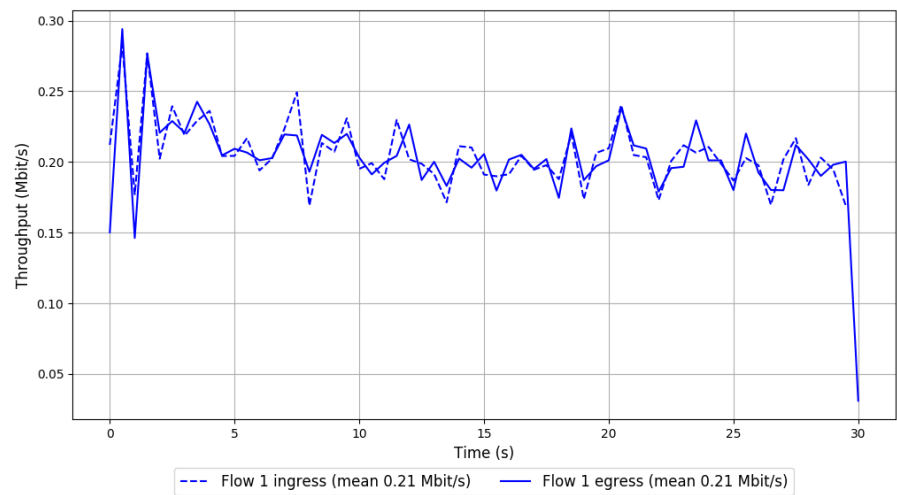


```
Run 10: Statistics of SReAM

Start at: 2018-02-28 05:14:06
End at: 2018-02-28 05:14:36

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 163.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 163.340 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link

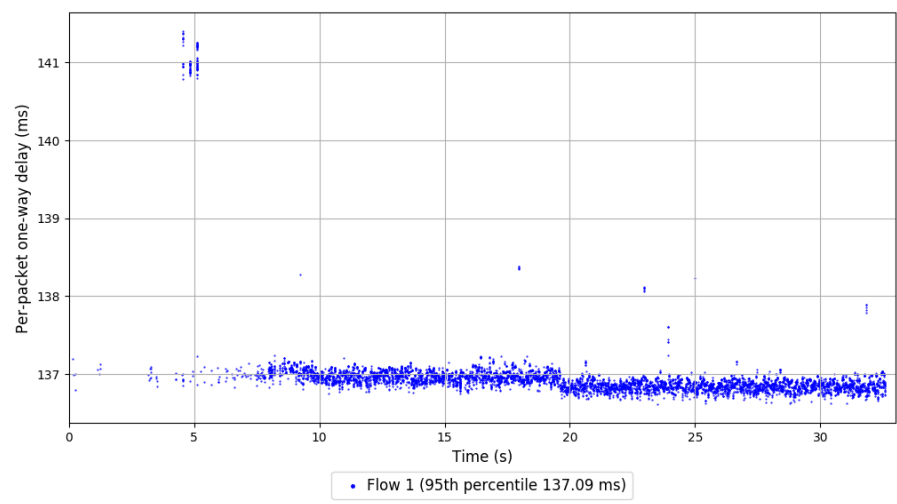
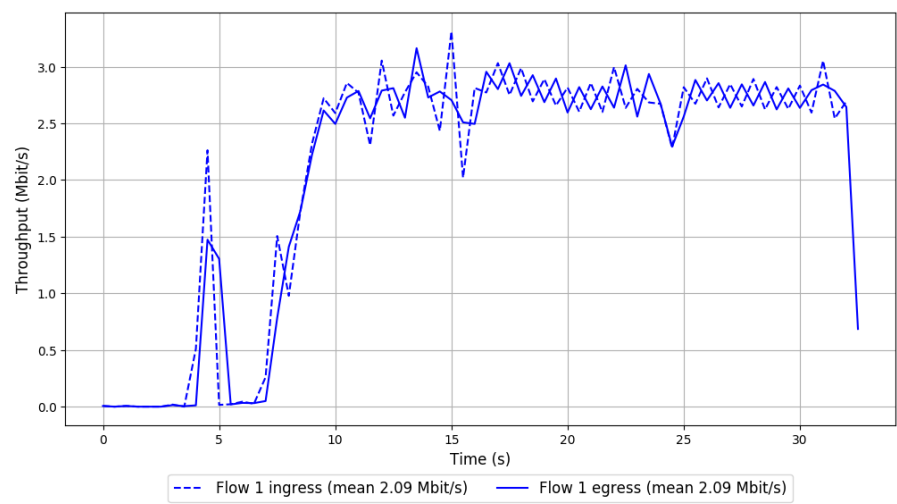


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-28 02:47:55
End at: 2018-02-28 02:48:25

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 137.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 137.094 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-28 03:03:42

End at: 2018-02-28 03:04:12

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 137.010 ms

Loss rate: 0.00%

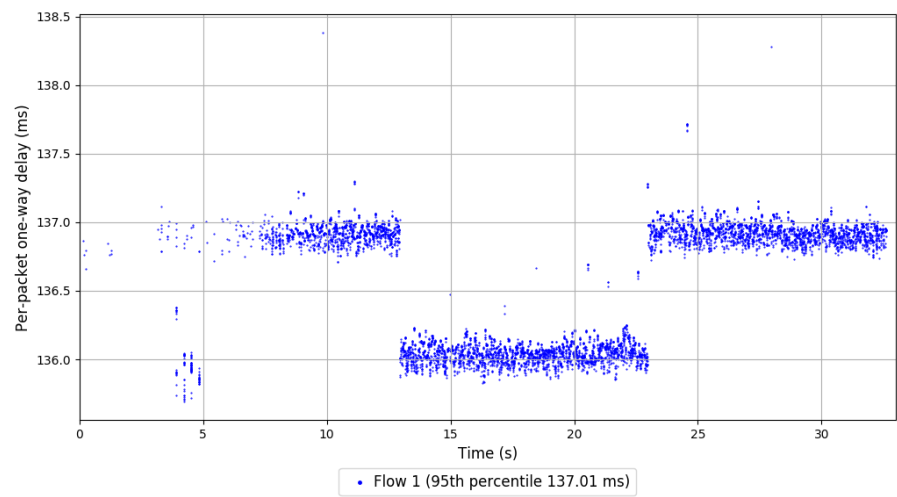
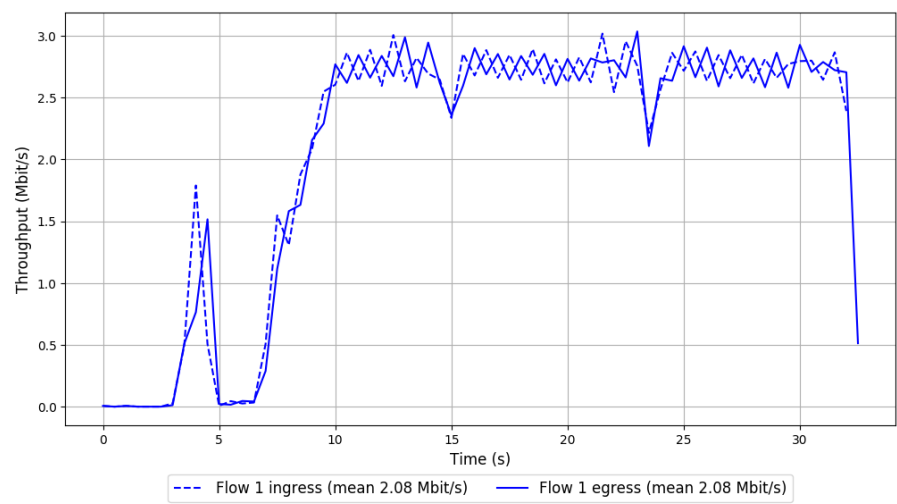
-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 137.010 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-28 03:19:50

End at: 2018-02-28 03:20:20

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.119 ms

Loss rate: 0.00%

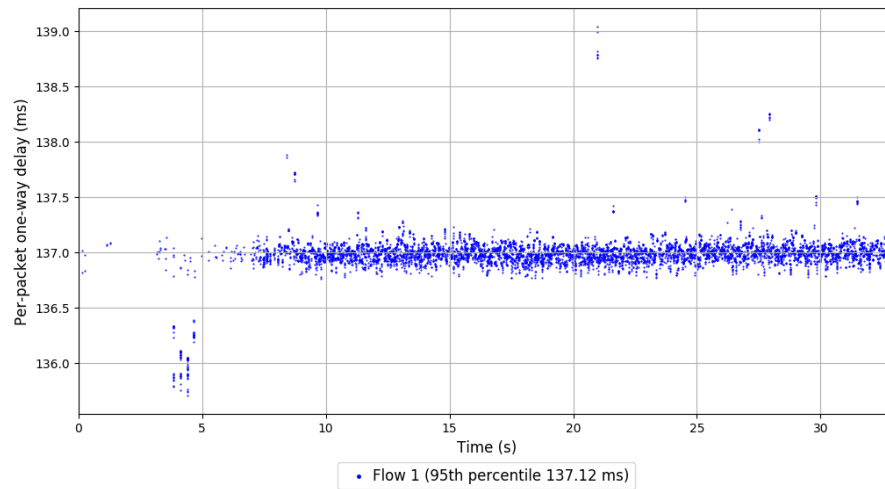
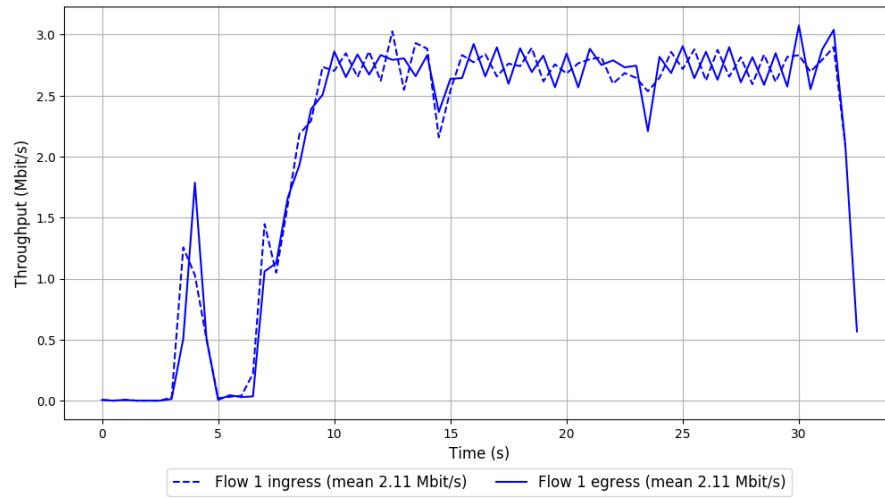
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.119 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-28 03:36:19

End at: 2018-02-28 03:36:49

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 141.024 ms

Loss rate: 0.12%

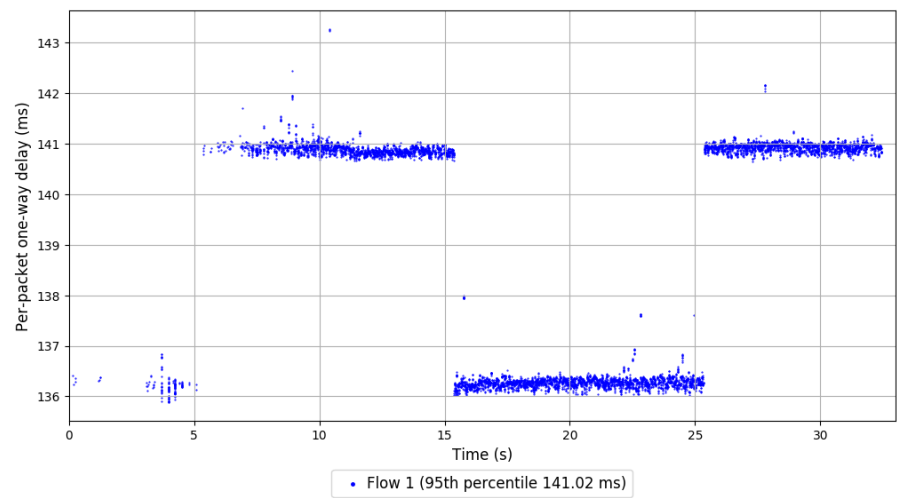
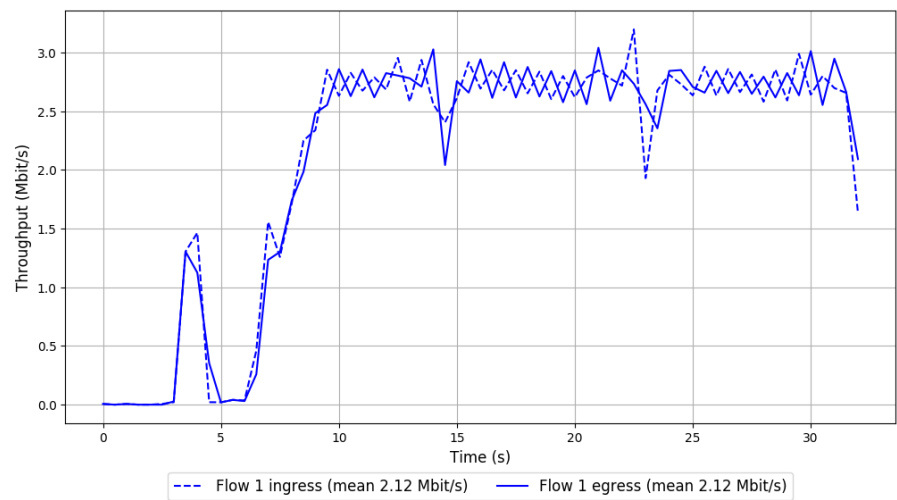
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 141.024 ms

Loss rate: 0.12%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-28 03:52:19

End at: 2018-02-28 03:52:49

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 141.124 ms

Loss rate: 0.01%

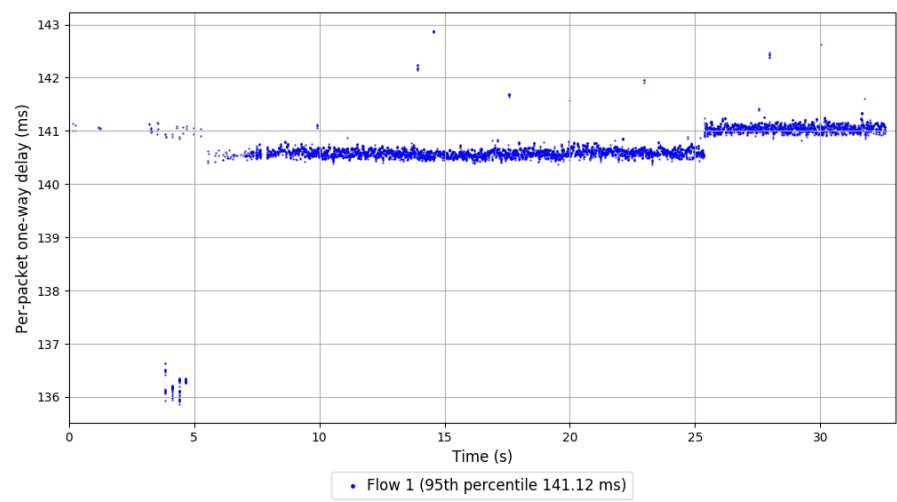
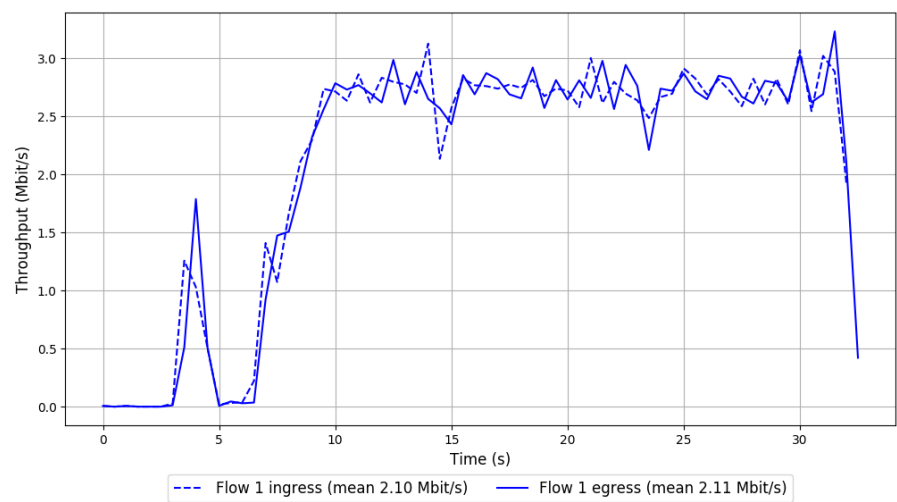
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 141.124 ms

Loss rate: 0.01%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-28 04:08:43

End at: 2018-02-28 04:09:13

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.302 ms

Loss rate: 0.00%

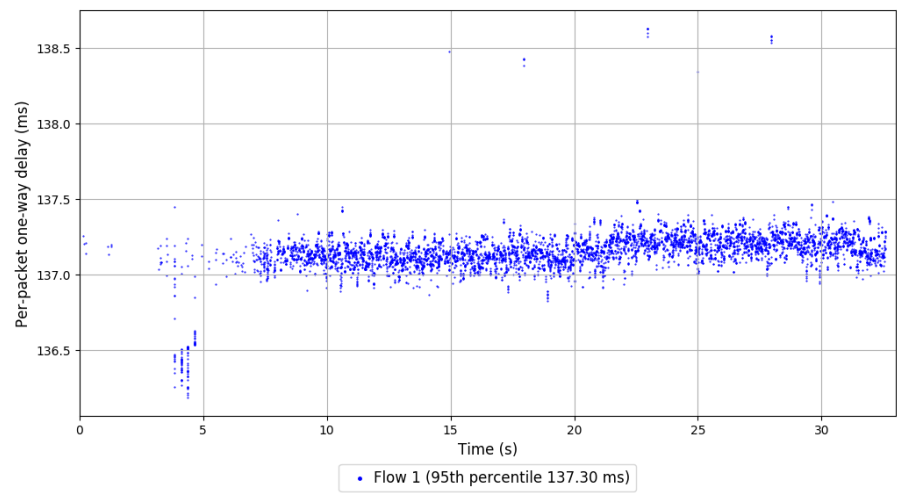
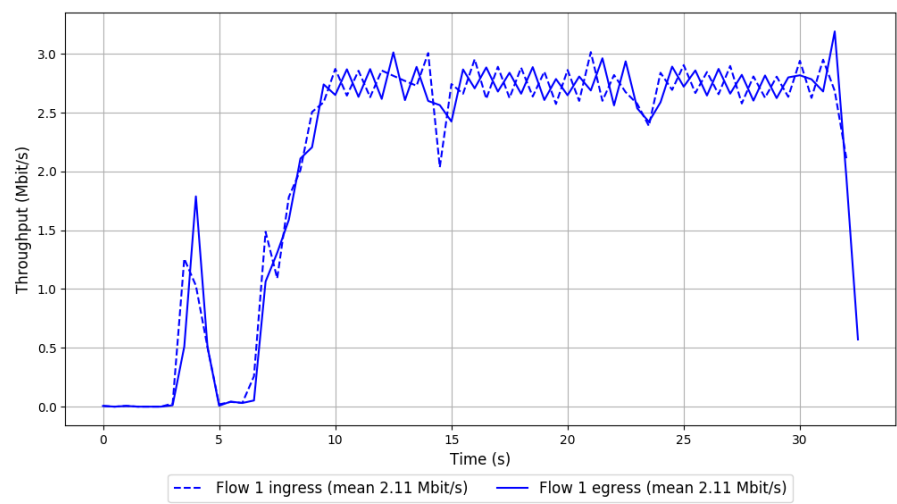
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.302 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-28 04:24:45

End at: 2018-02-28 04:25:15

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.644 ms

Loss rate: 0.00%

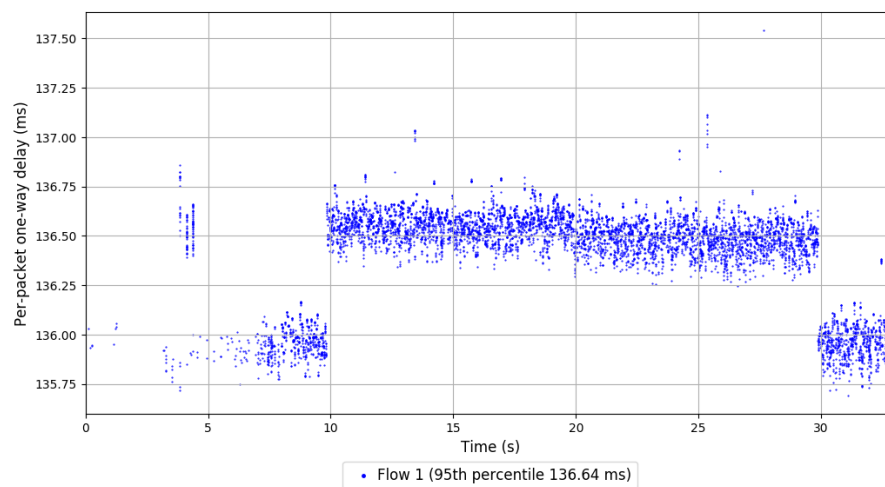
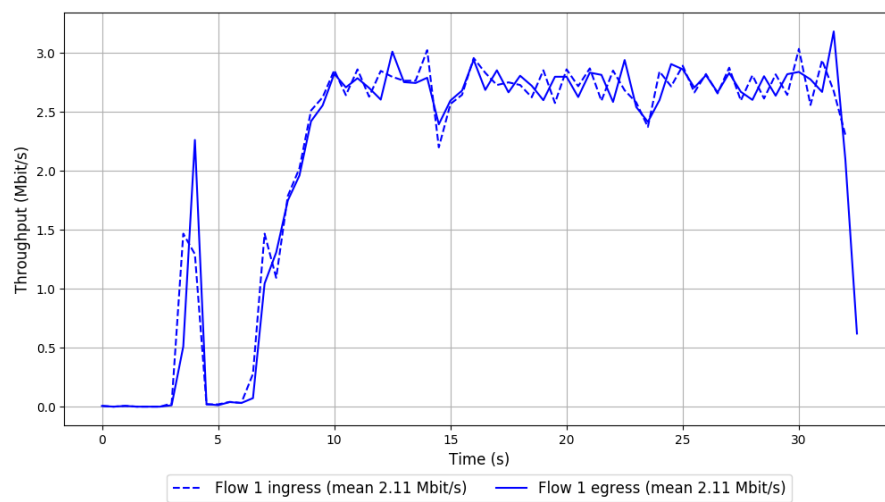
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.644 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-28 04:40:59

End at: 2018-02-28 04:41:29

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.846 ms

Loss rate: 0.00%

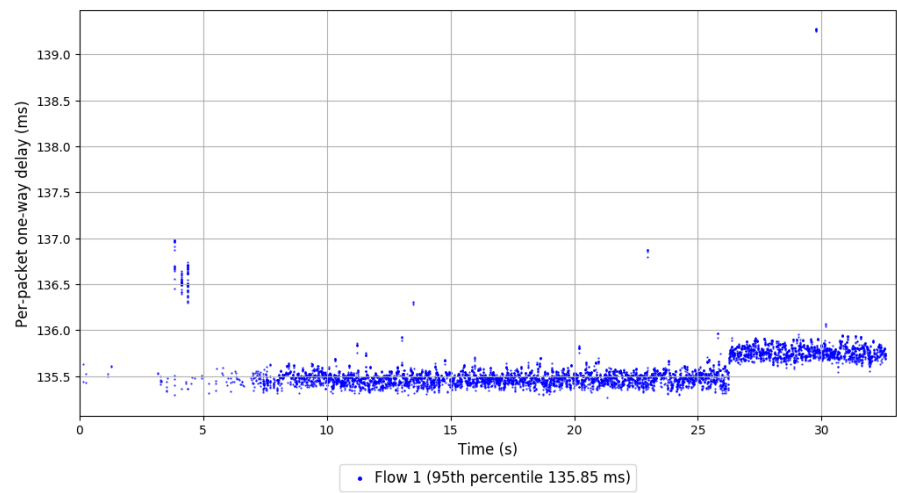
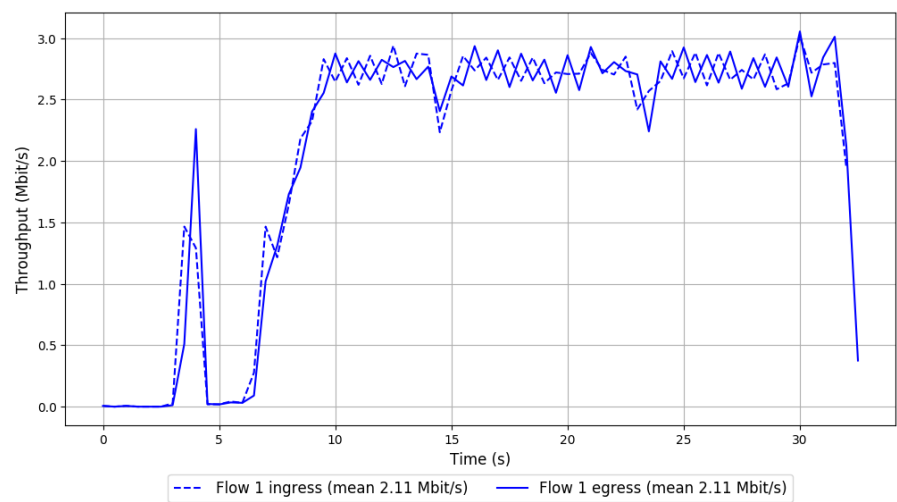
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.846 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-28 04:57:00

End at: 2018-02-28 04:57:30

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.998 ms

Loss rate: 0.00%

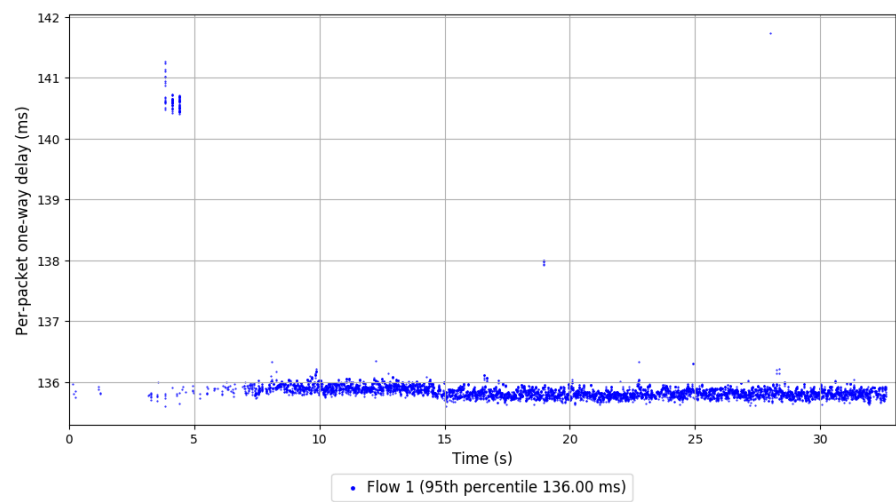
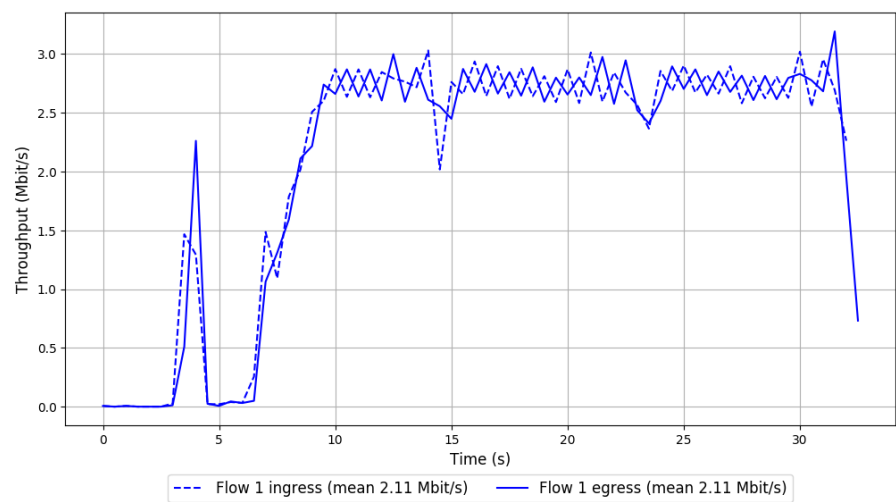
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.998 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-28 05:13:23

End at: 2018-02-28 05:13:53

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 163.272 ms

Loss rate: 0.00%

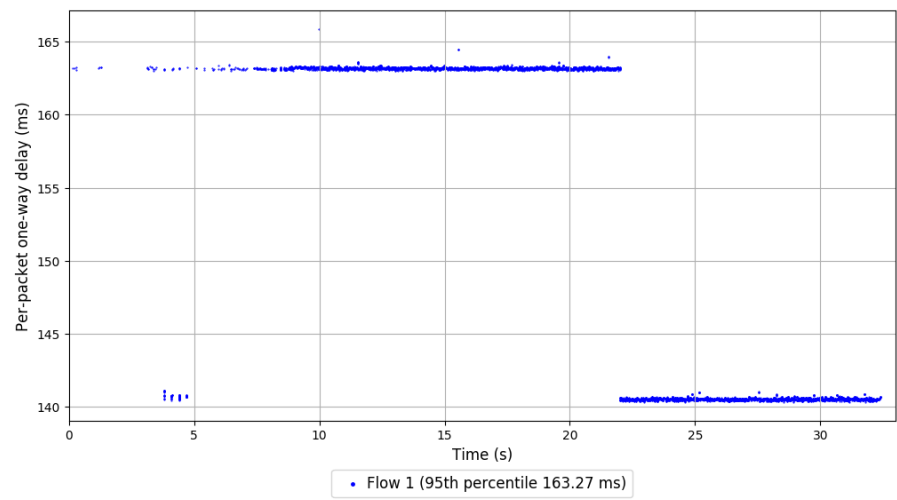
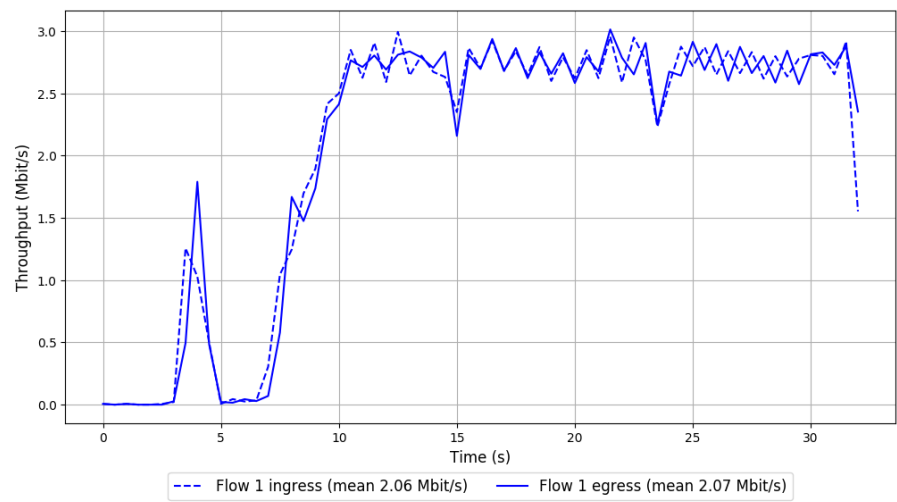
-- Flow 1:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 163.272 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-28 02:43:55

End at: 2018-02-28 02:44:25

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 141.258 ms

Loss rate: 0.00%

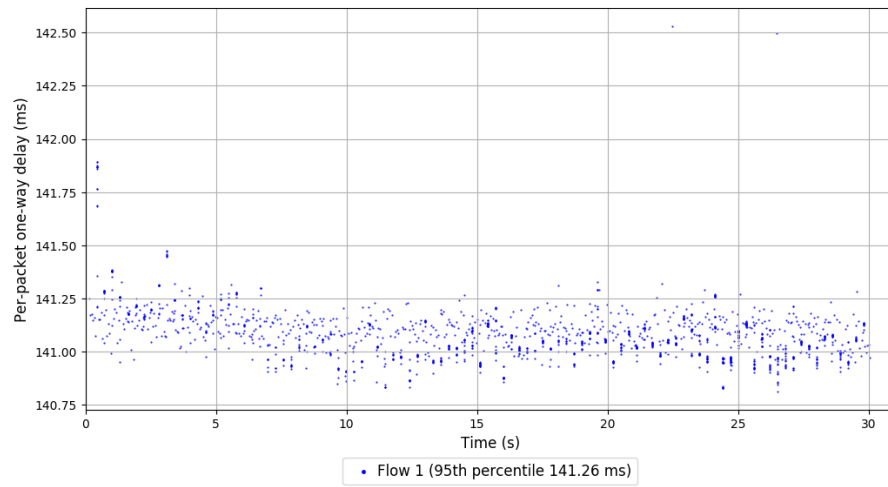
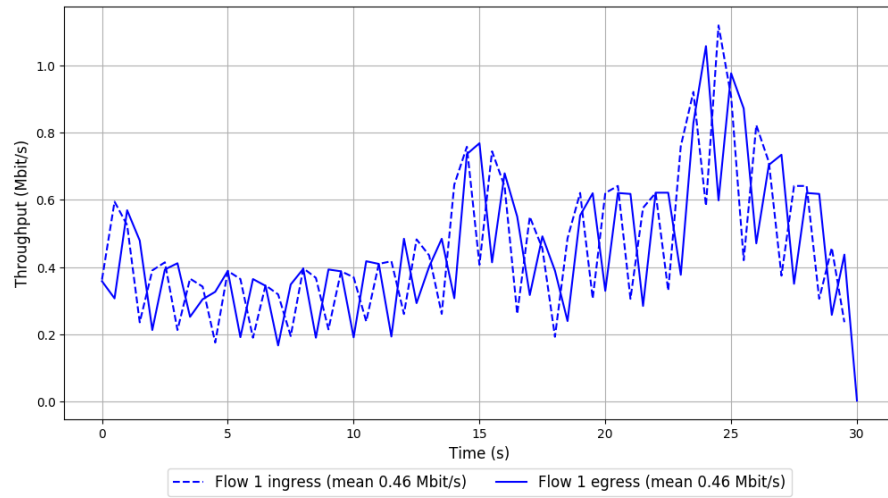
-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 141.258 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-02-28 02:59:39

End at: 2018-02-28 03:00:09

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 137.063 ms

Loss rate: 0.00%

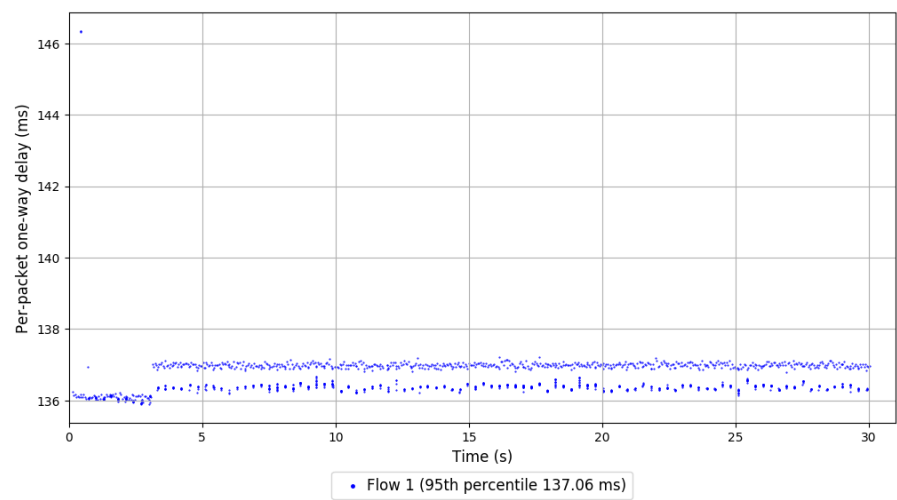
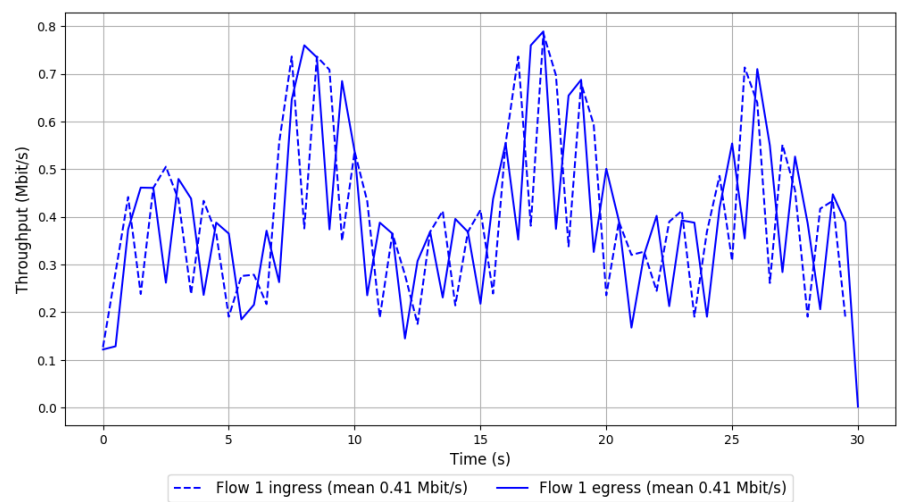
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 137.063 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-28 03:15:43

End at: 2018-02-28 03:16:13

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 163.452 ms

Loss rate: 0.00%

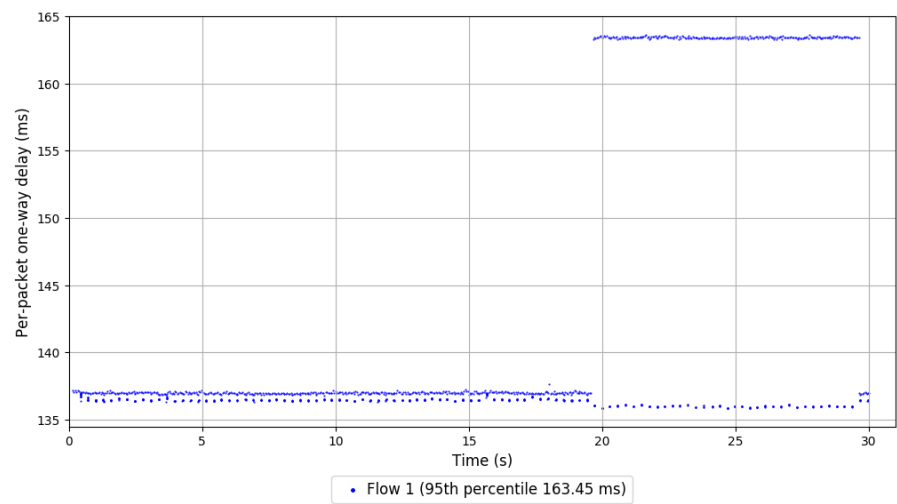
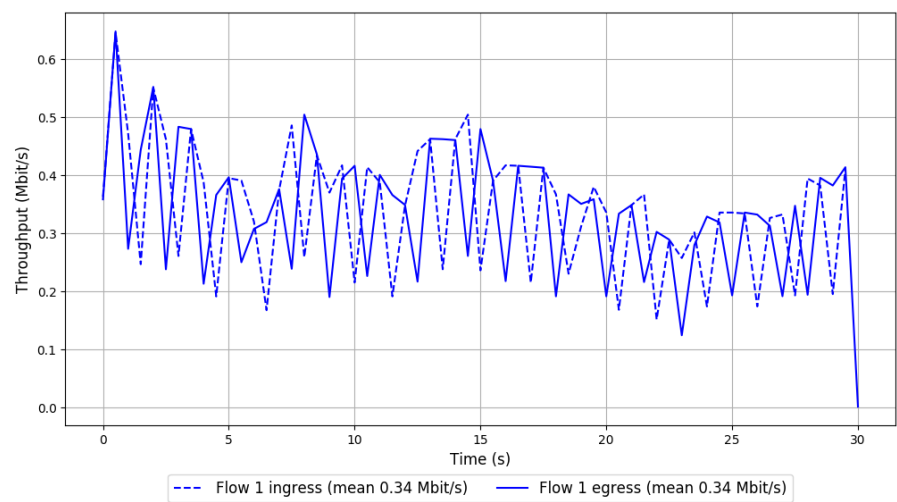
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 163.452 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-28 03:32:12

End at: 2018-02-28 03:32:42

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 136.992 ms

Loss rate: 0.00%

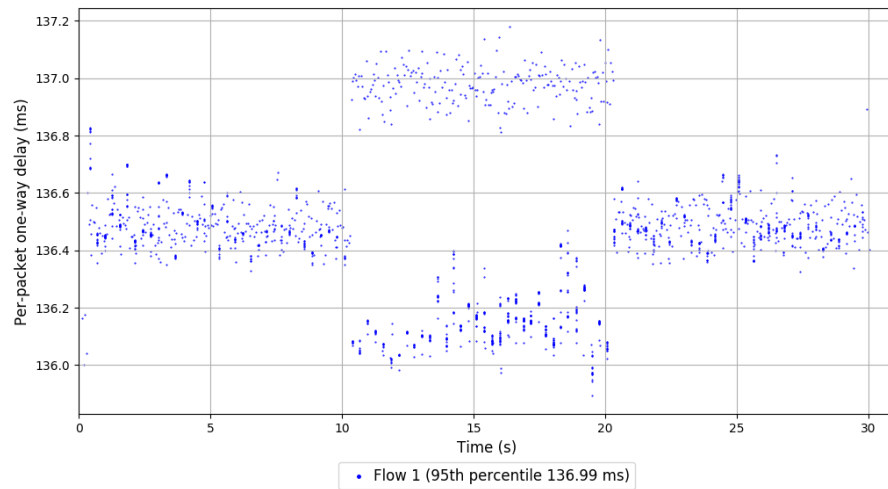
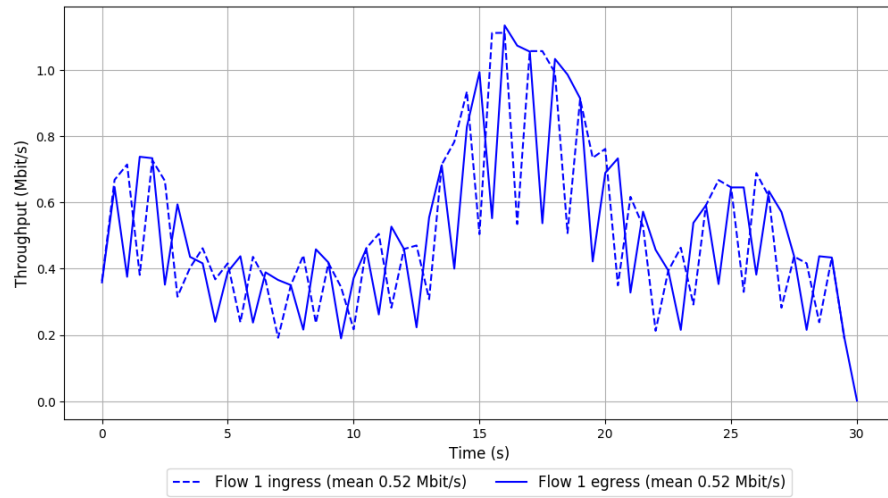
-- Flow 1:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 136.992 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-28 03:48:11

End at: 2018-02-28 03:48:41

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 141.138 ms

Loss rate: 0.00%

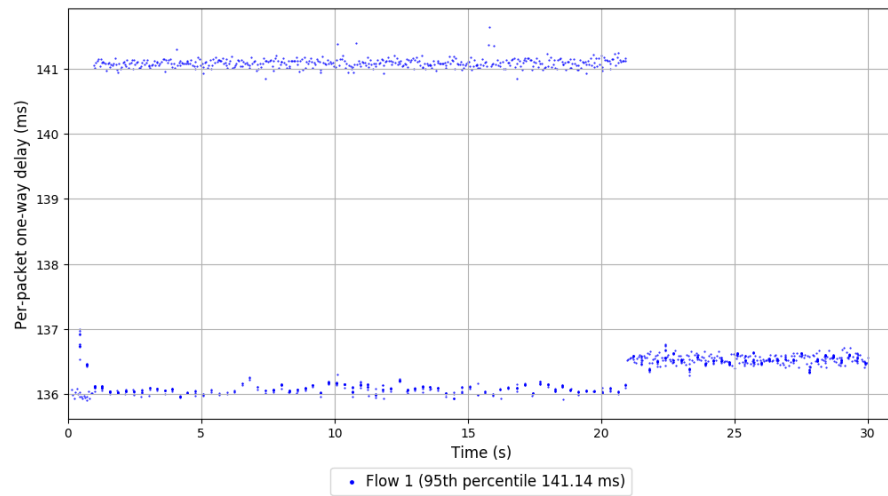
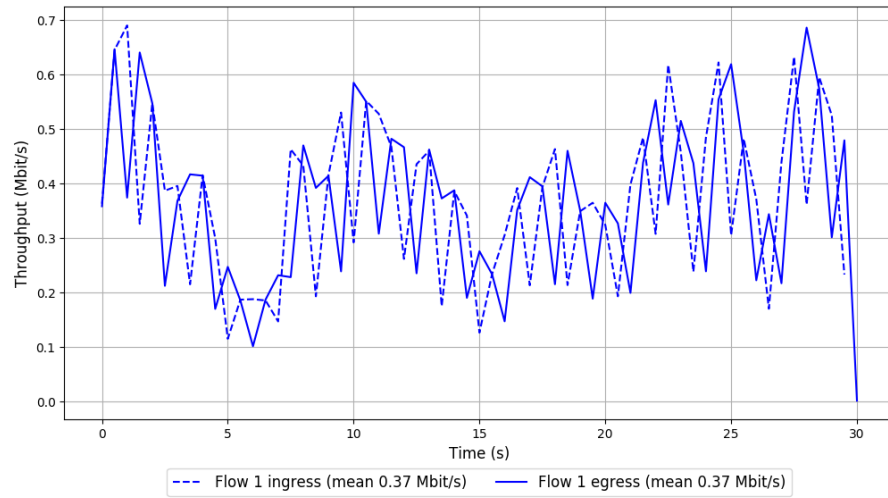
-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 141.138 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-28 04:04:36

End at: 2018-02-28 04:05:06

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 137.128 ms

Loss rate: 0.00%

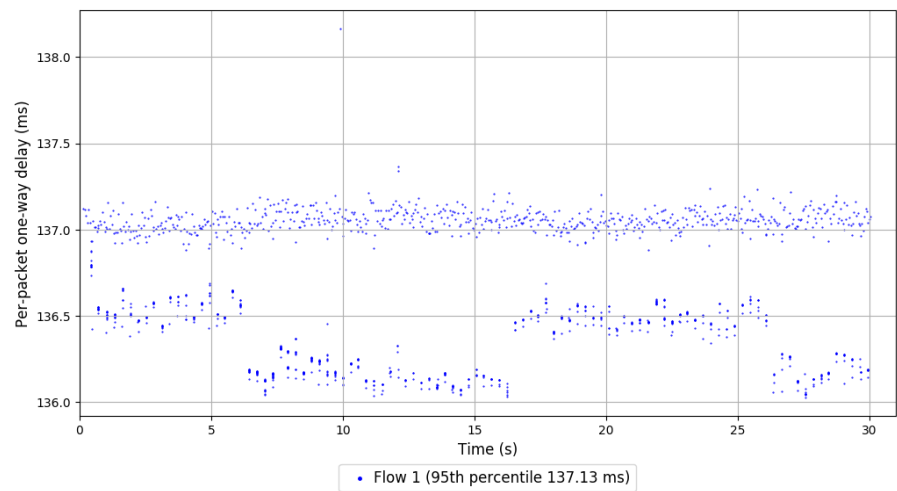
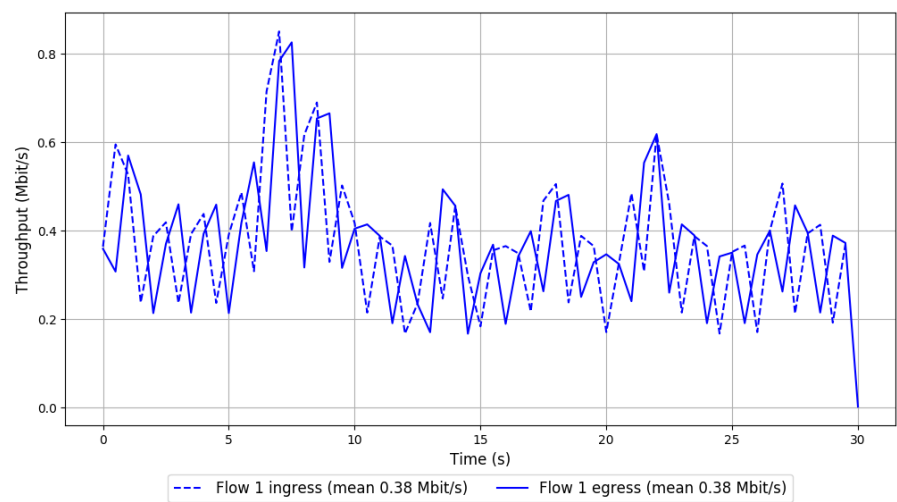
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 137.128 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-28 04:20:36

End at: 2018-02-28 04:21:06

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

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

Loss rate: 0.00%

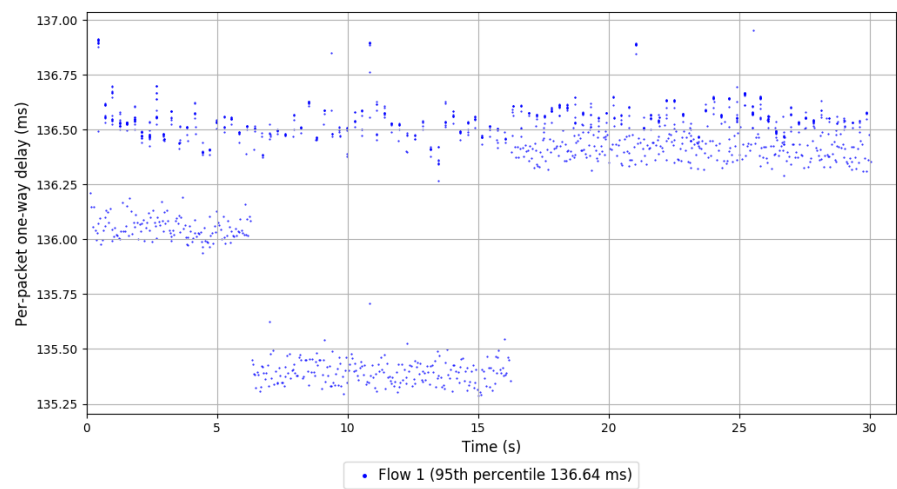
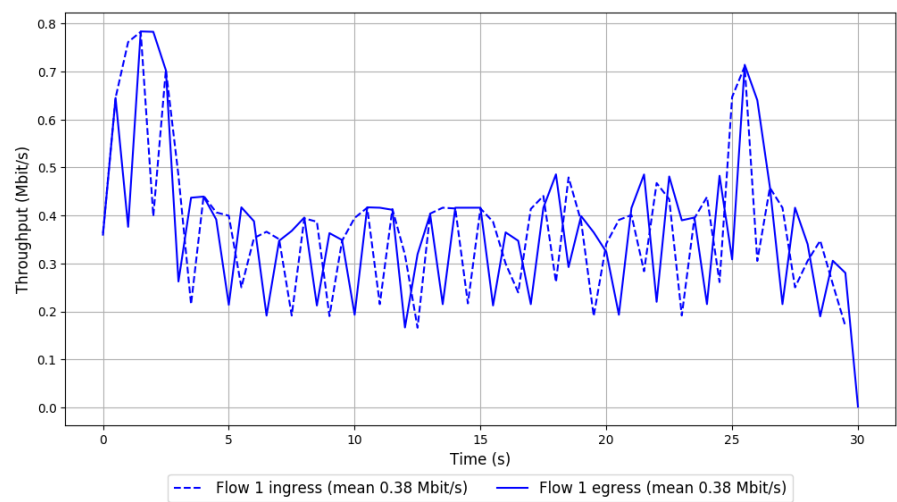
-- Flow 1:

Average throughput: 0.38 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-28 04:36:51

End at: 2018-02-28 04:37:21

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.668 ms

Loss rate: 0.00%

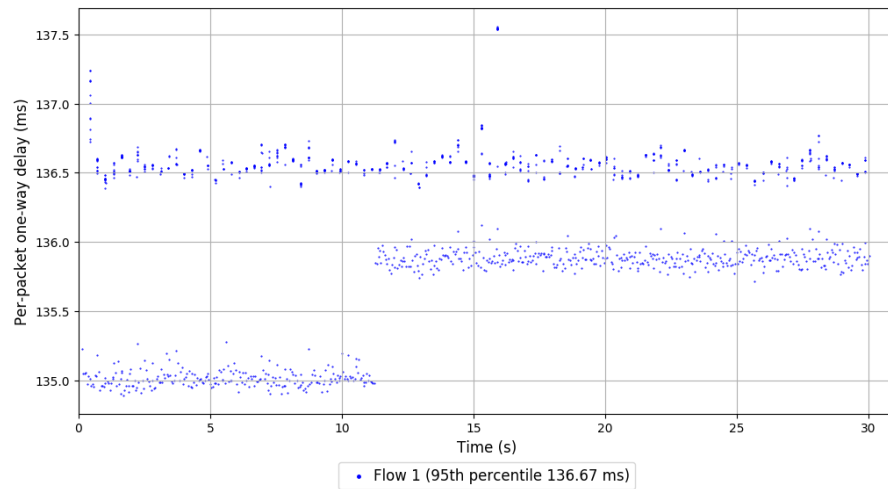
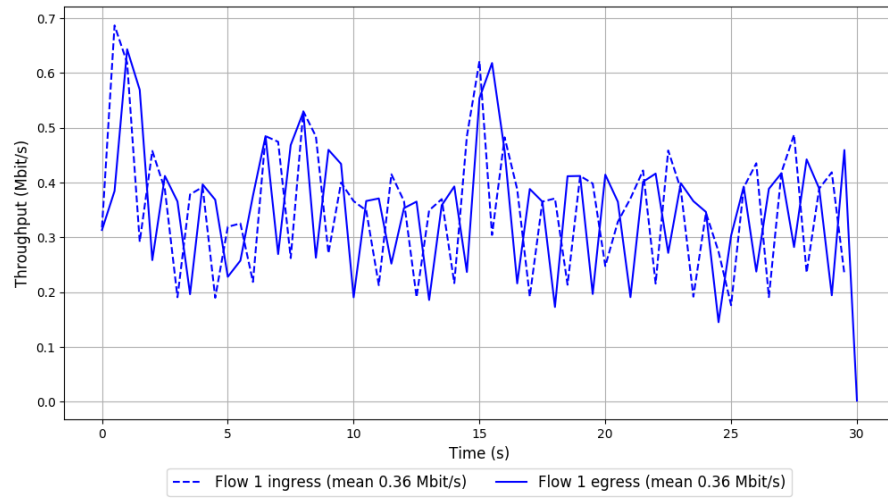
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.668 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-28 04:52:56

End at: 2018-02-28 04:53:26

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 140.700 ms

Loss rate: 0.49%

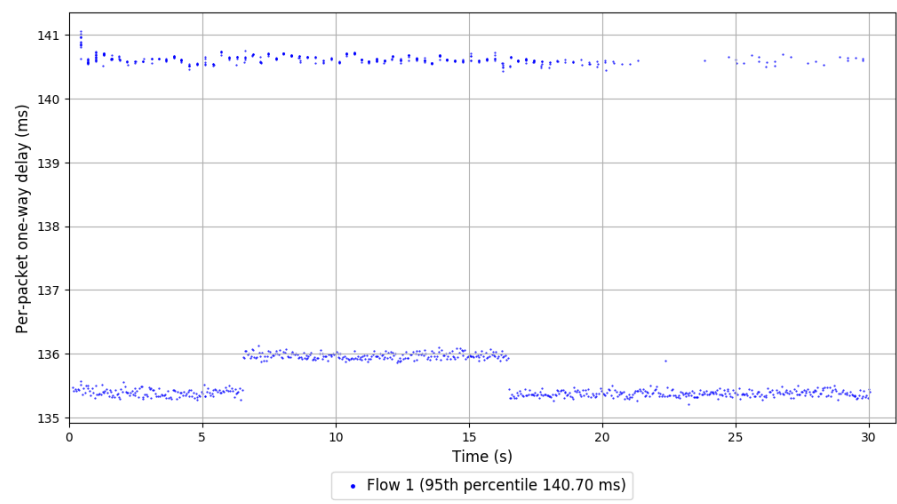
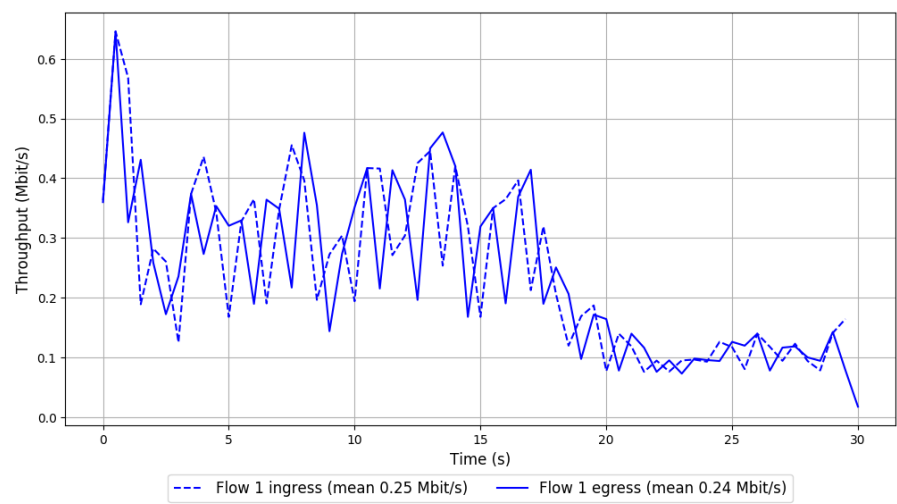
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 140.700 ms

Loss rate: 0.49%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-28 05:09:13

End at: 2018-02-28 05:09:43

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 140.812 ms

Loss rate: 0.00%

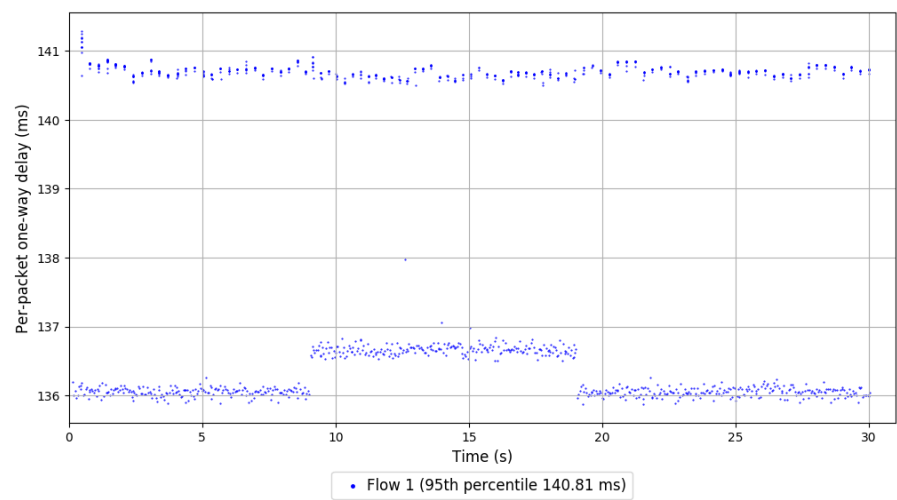
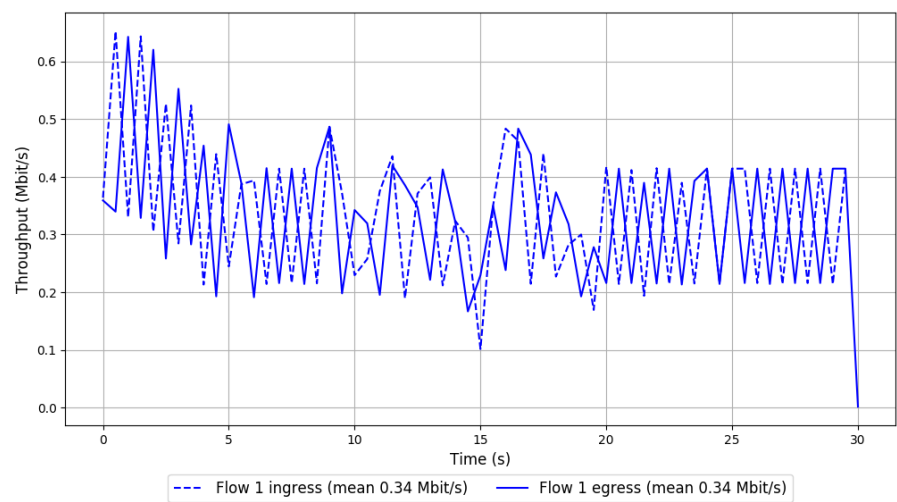
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 140.812 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

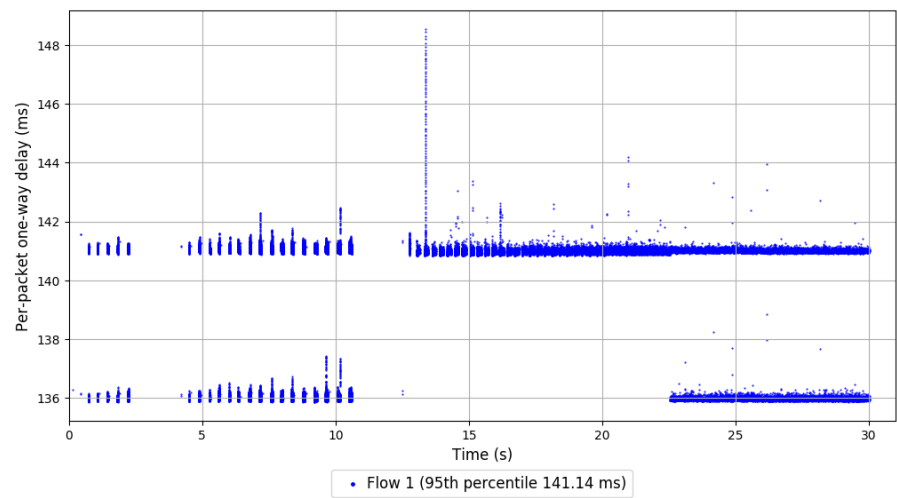
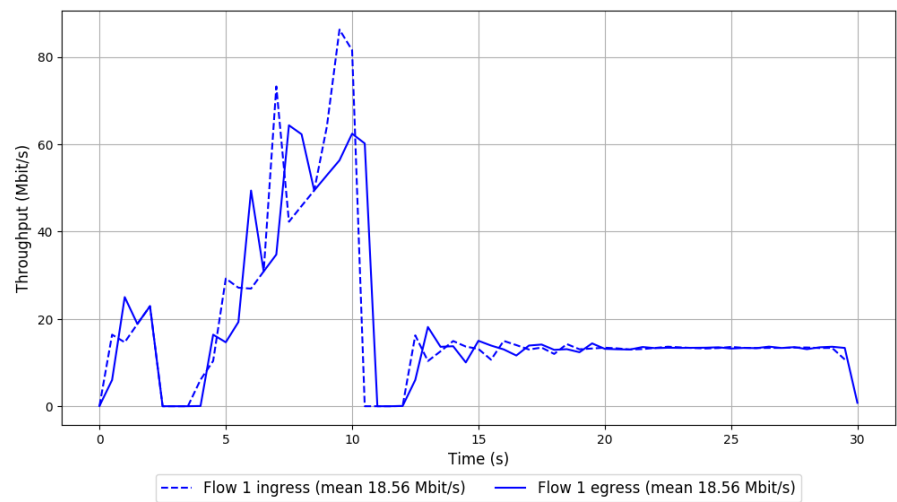


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-28 02:40:50
End at: 2018-02-28 02:41:20

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 141.144 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 141.144 ms
Loss rate: 0.01%
```


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

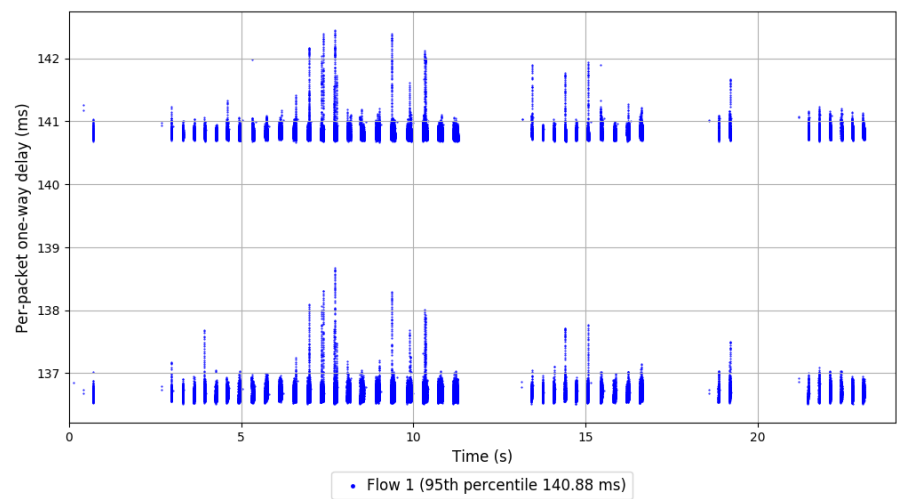
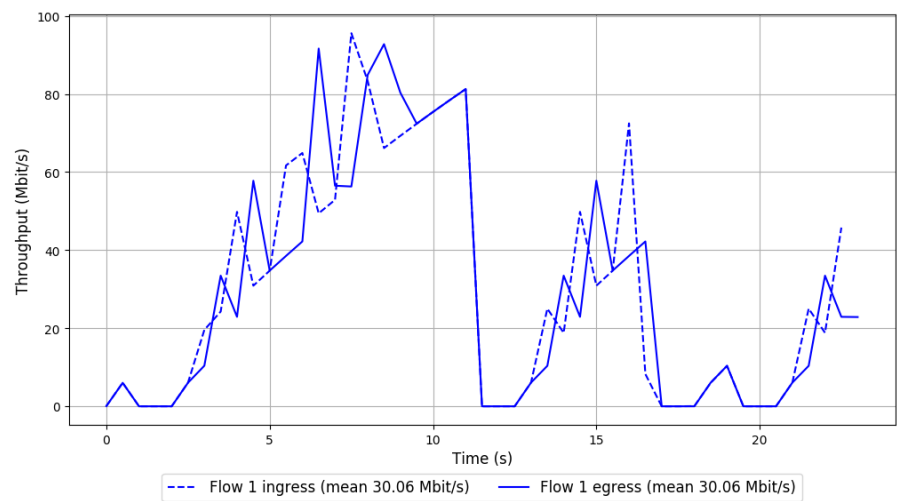


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-28 02:56:24

End at: 2018-02-28 02:56:54

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

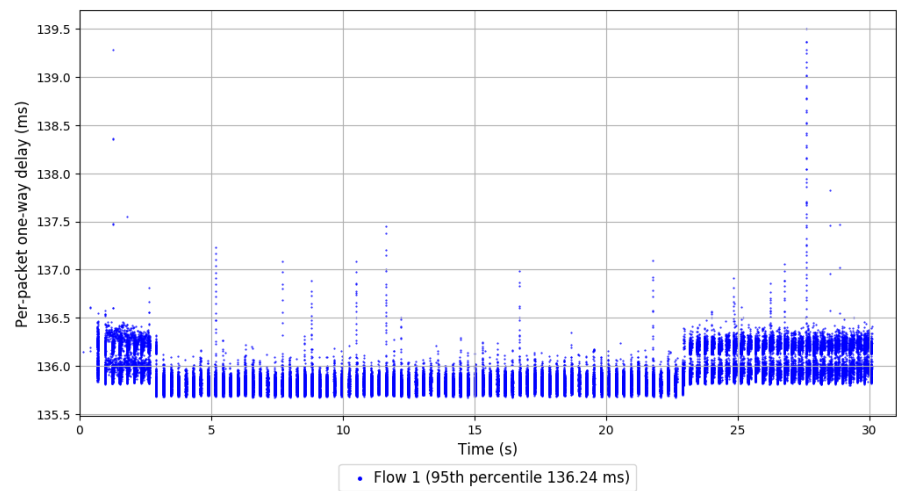
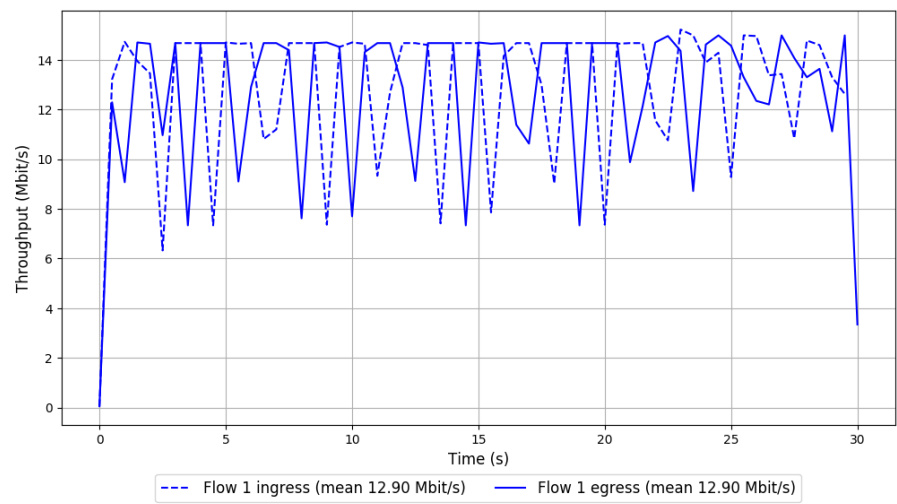


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-02-28 03:12:49
End at: 2018-02-28 03:13:19

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 136.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 136.238 ms
Loss rate: 0.00%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-28 03:28:58

End at: 2018-02-28 03:29:28

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 163.000 ms

Loss rate: 0.00%

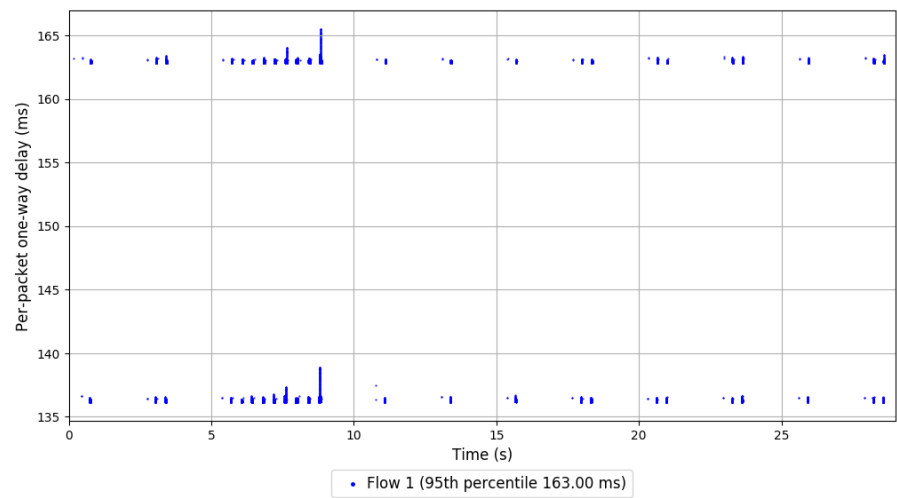
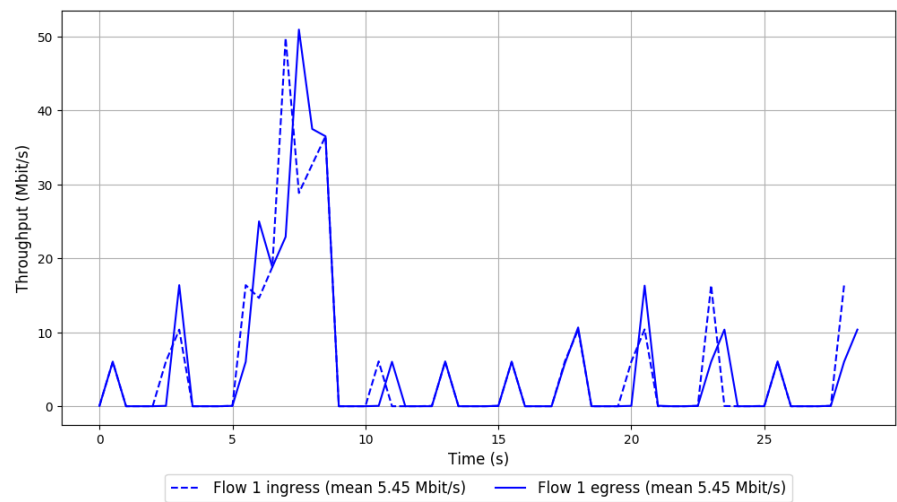
-- Flow 1:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 163.000 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-28 03:45:10

End at: 2018-02-28 03:45:40

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.78 Mbit/s

95th percentile per-packet one-way delay: 136.518 ms

Loss rate: 0.00%

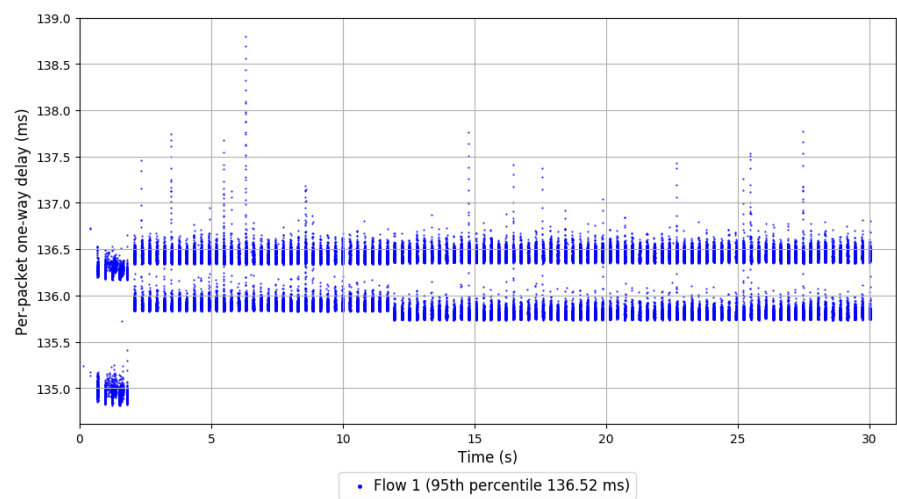
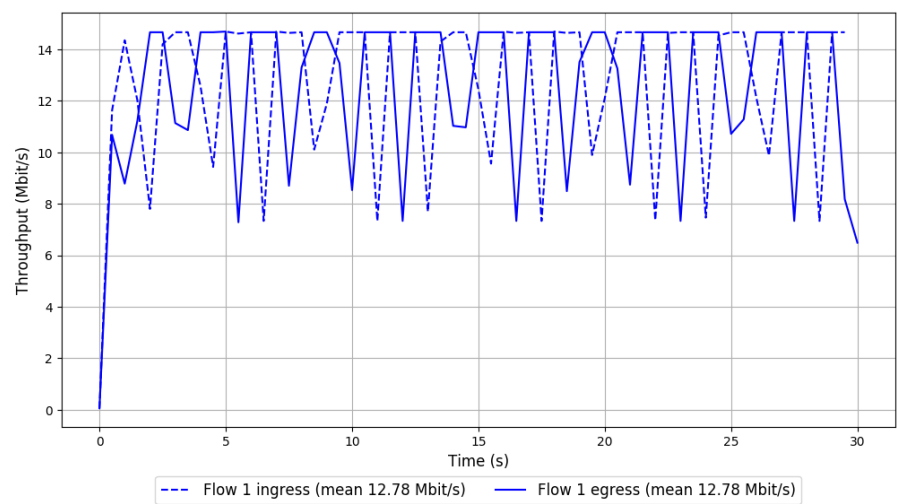
-- Flow 1:

Average throughput: 12.78 Mbit/s

95th percentile per-packet one-way delay: 136.518 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-28 04:01:22

End at: 2018-02-28 04:01:52

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.90 Mbit/s

95th percentile per-packet one-way delay: 136.451 ms

Loss rate: 0.00%

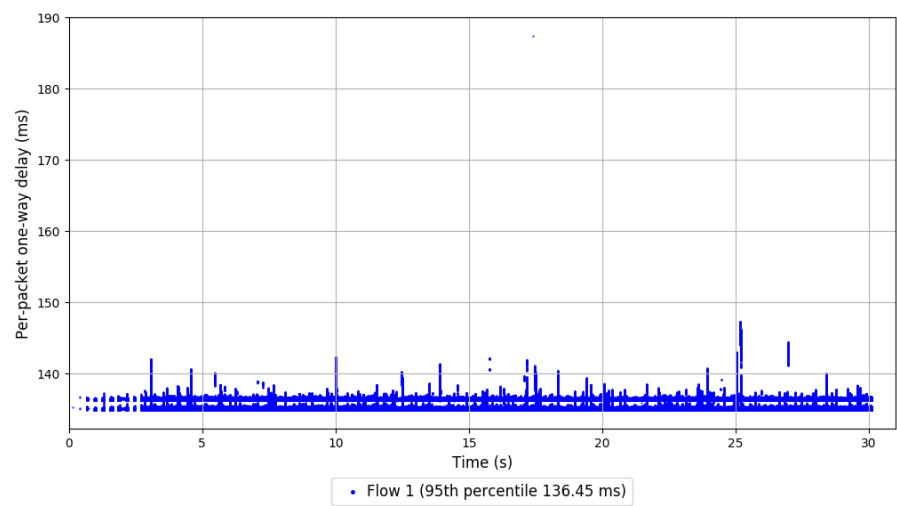
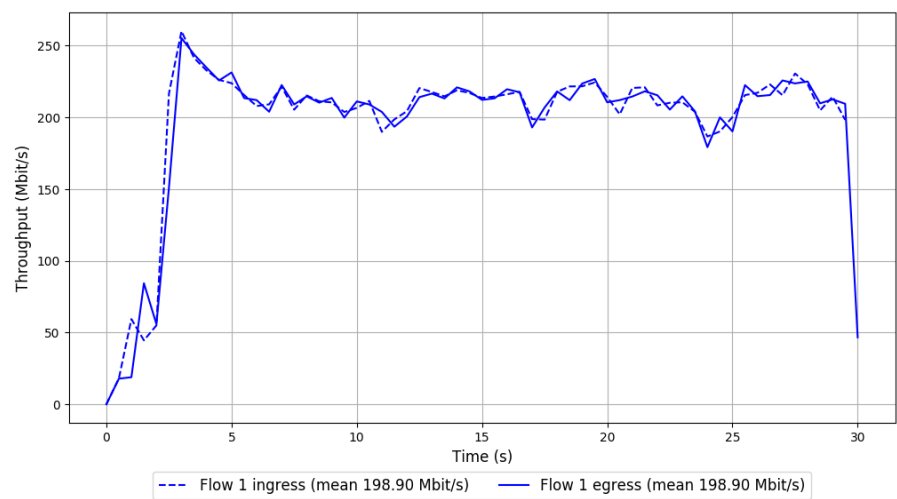
-- Flow 1:

Average throughput: 198.90 Mbit/s

95th percentile per-packet one-way delay: 136.451 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-28 04:17:36

End at: 2018-02-28 04:18:06

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 136.433 ms

Loss rate: 0.01%

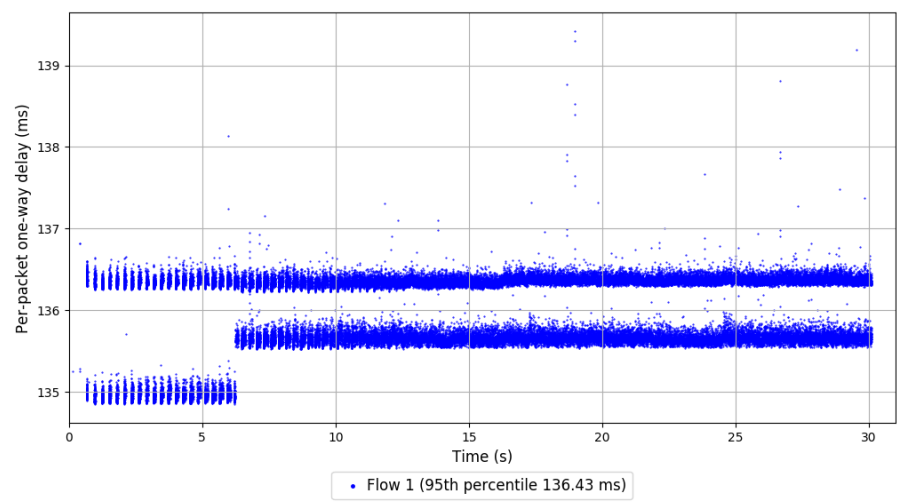
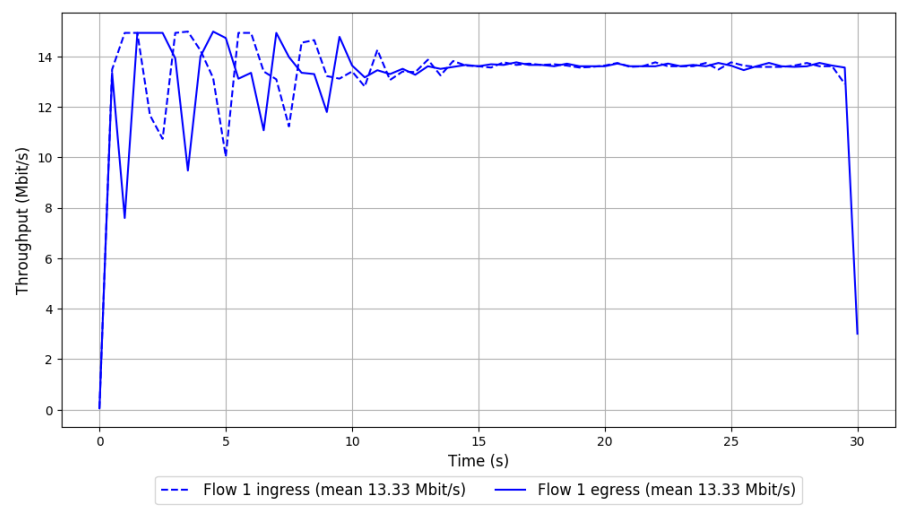
-- Flow 1:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 136.433 ms

Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-28 04:33:46

End at: 2018-02-28 04:34:16

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.02 Mbit/s

95th percentile per-packet one-way delay: 136.370 ms

Loss rate: 0.00%

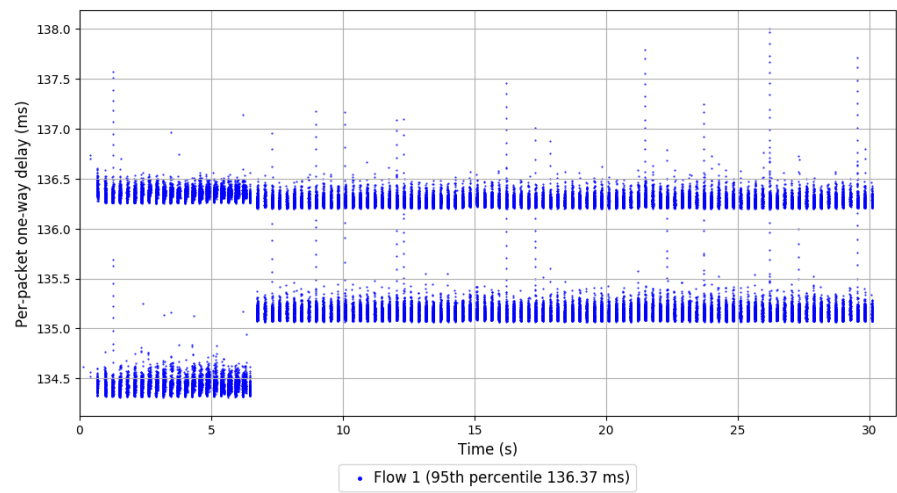
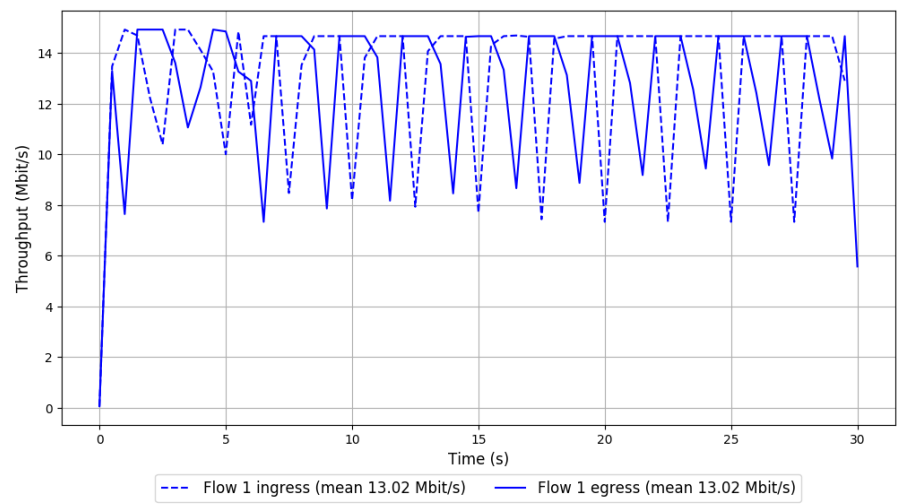
-- Flow 1:

Average throughput: 13.02 Mbit/s

95th percentile per-packet one-way delay: 136.370 ms

Loss rate: 0.00%

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

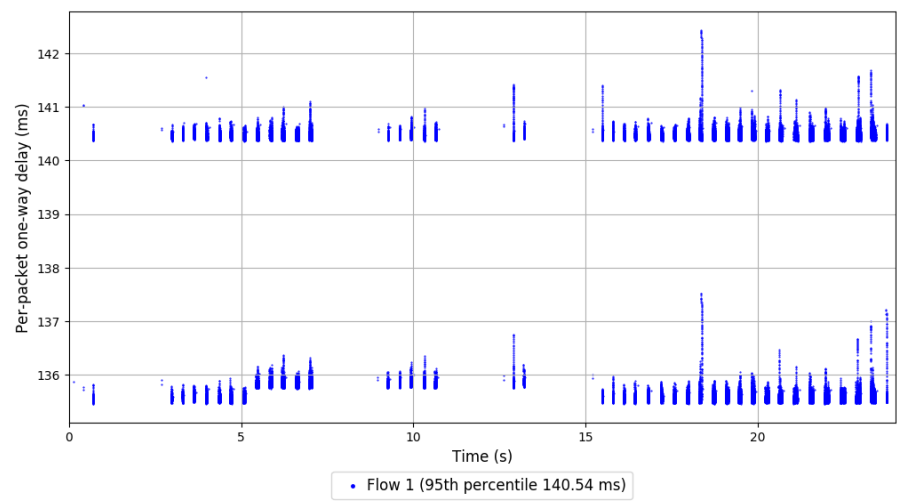
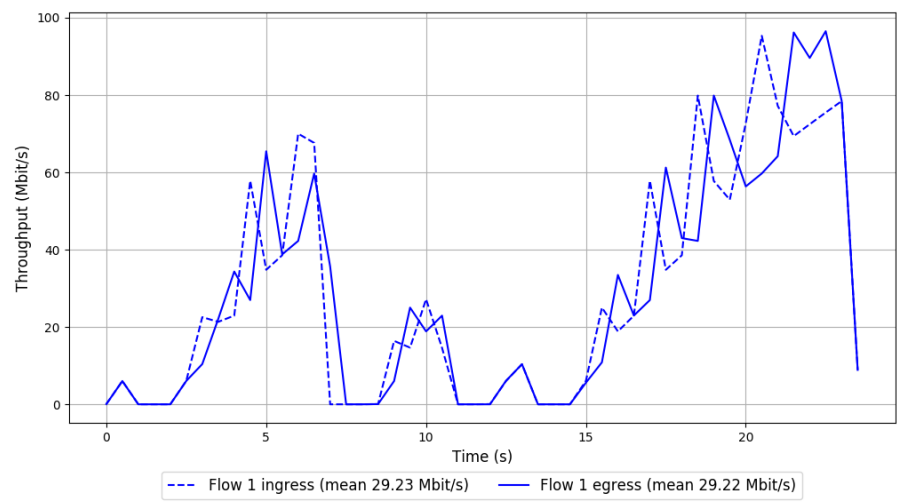


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-28 04:49:57

End at: 2018-02-28 04:50:27

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

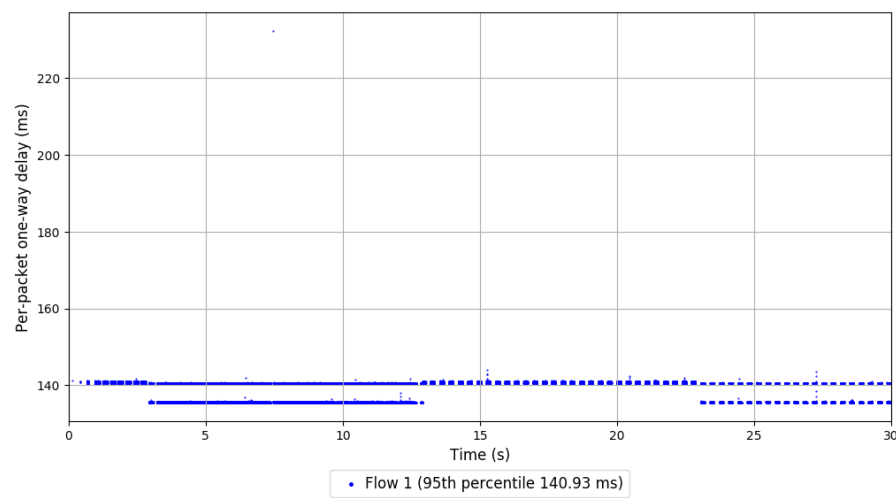
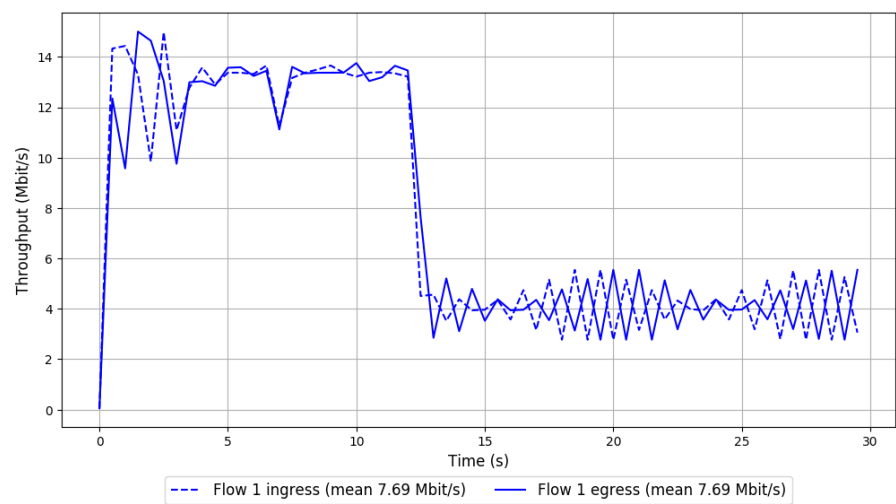


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-28 05:06:09
End at: 2018-02-28 05:06:39

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 140.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 140.927 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-28 02:53:50

End at: 2018-02-28 02:54:20

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.06 Mbit/s

95th percentile per-packet one-way delay: 141.842 ms

Loss rate: 0.01%

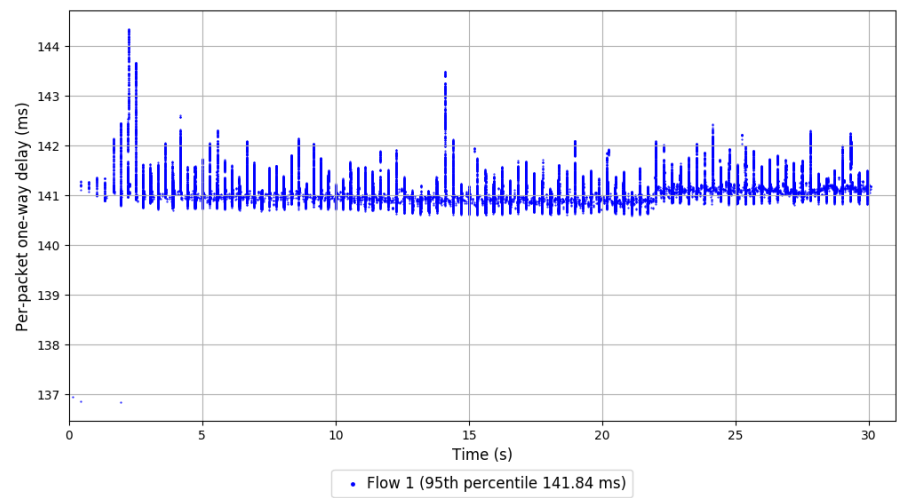
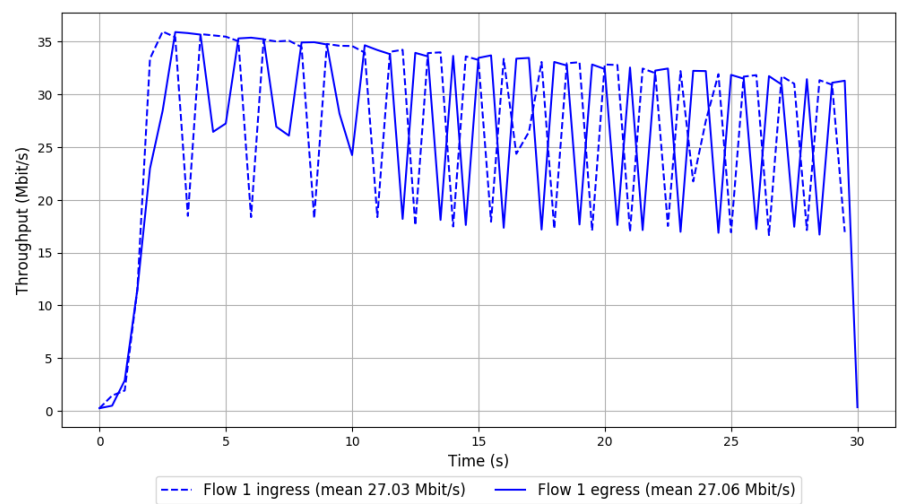
-- Flow 1:

Average throughput: 27.06 Mbit/s

95th percentile per-packet one-way delay: 141.842 ms

Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-28 03:10:10

End at: 2018-02-28 03:10:40

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.81 Mbit/s

95th percentile per-packet one-way delay: 137.113 ms

Loss rate: 0.00%

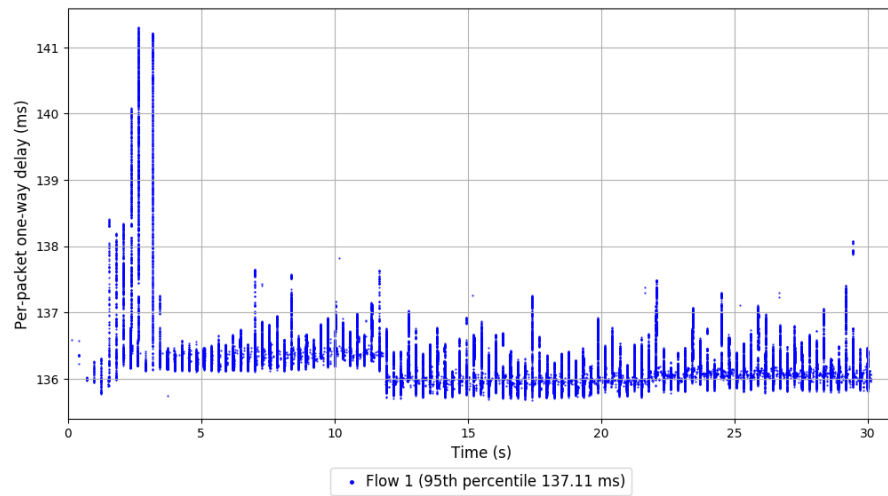
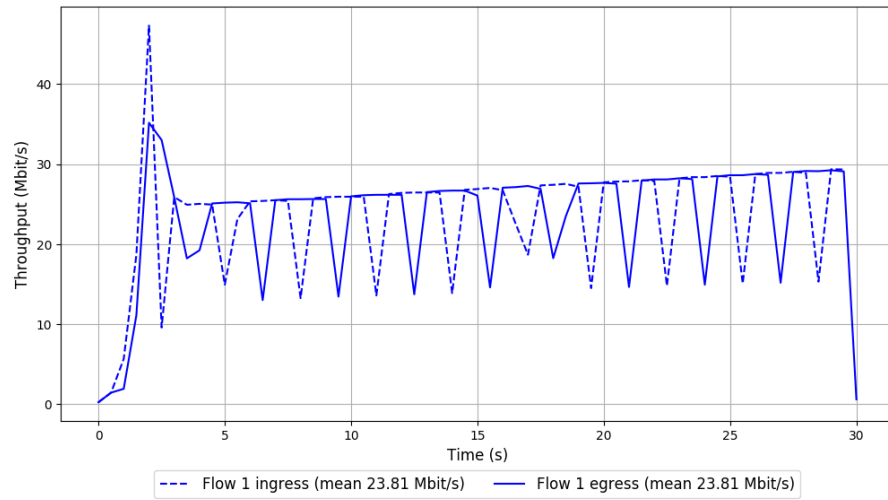
-- Flow 1:

Average throughput: 23.81 Mbit/s

95th percentile per-packet one-way delay: 137.113 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-28 03:26:18

End at: 2018-02-28 03:26:48

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.31 Mbit/s

95th percentile per-packet one-way delay: 137.246 ms

Loss rate: 0.00%

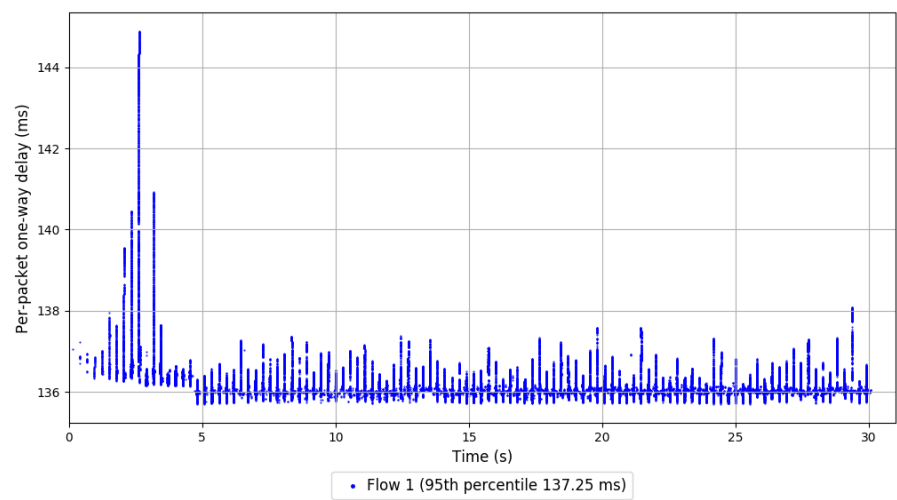
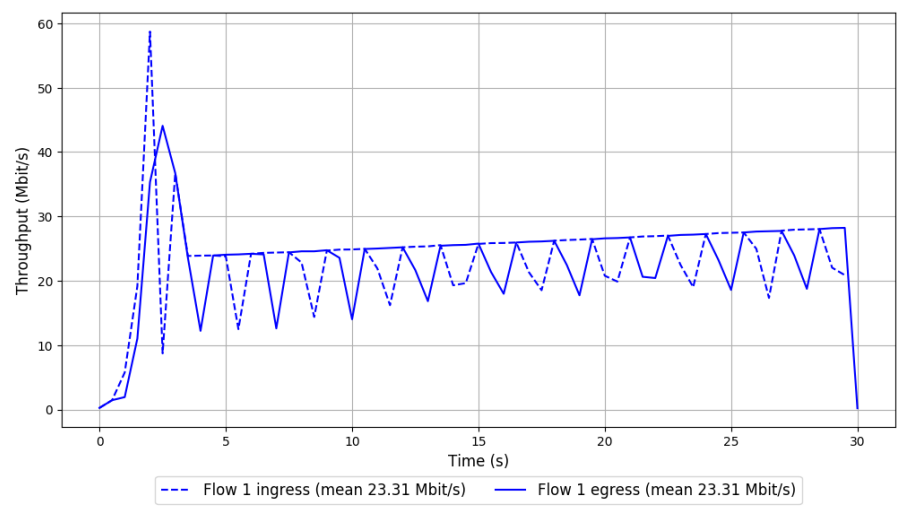
-- Flow 1:

Average throughput: 23.31 Mbit/s

95th percentile per-packet one-way delay: 137.246 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-28 03:42:31

End at: 2018-02-28 03:43:01

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.52 Mbit/s

95th percentile per-packet one-way delay: 136.949 ms

Loss rate: 0.00%

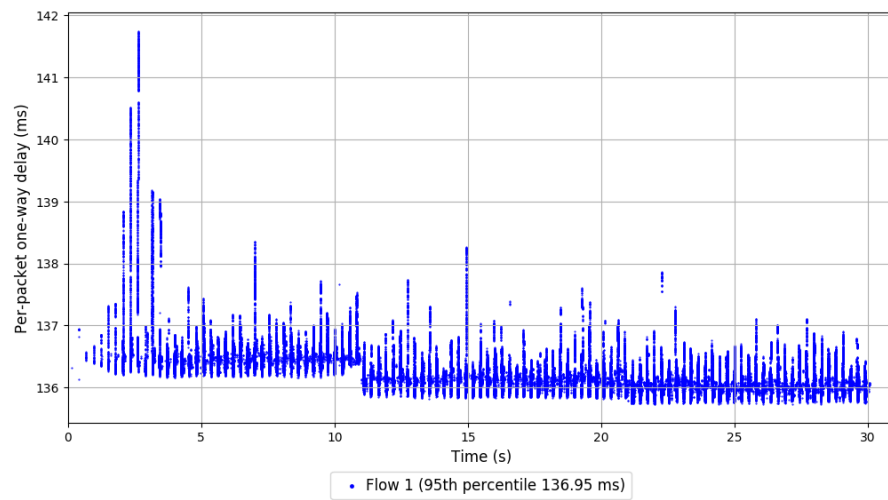
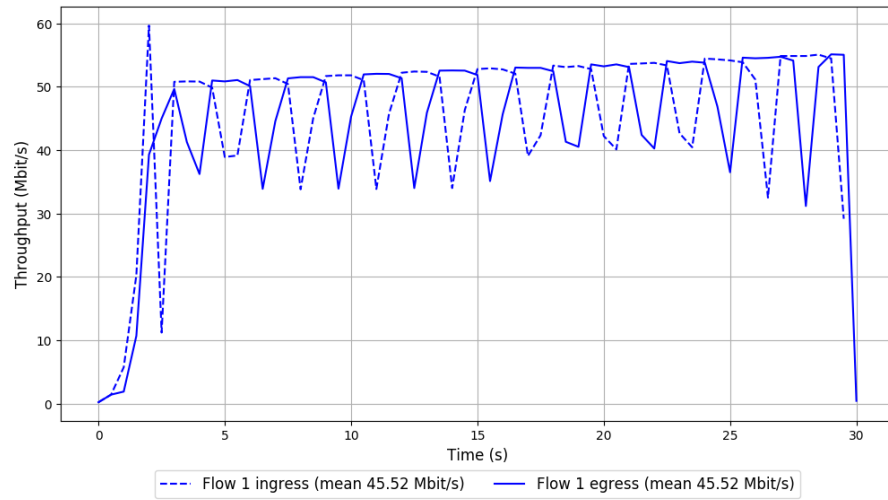
-- Flow 1:

Average throughput: 45.52 Mbit/s

95th percentile per-packet one-way delay: 136.949 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-28 03:58:43

End at: 2018-02-28 03:59:13

Below is generated by plot.py at 2018-02-28 06:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.61 Mbit/s

95th percentile per-packet one-way delay: 137.987 ms

Loss rate: 0.00%

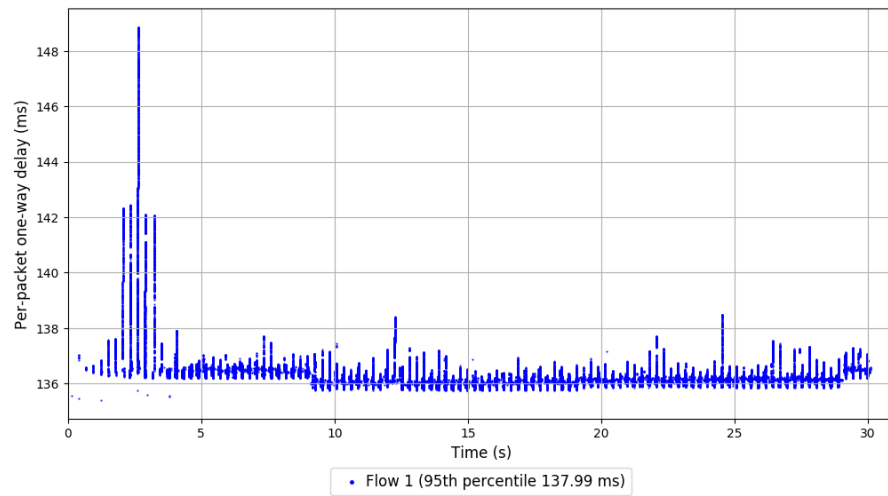
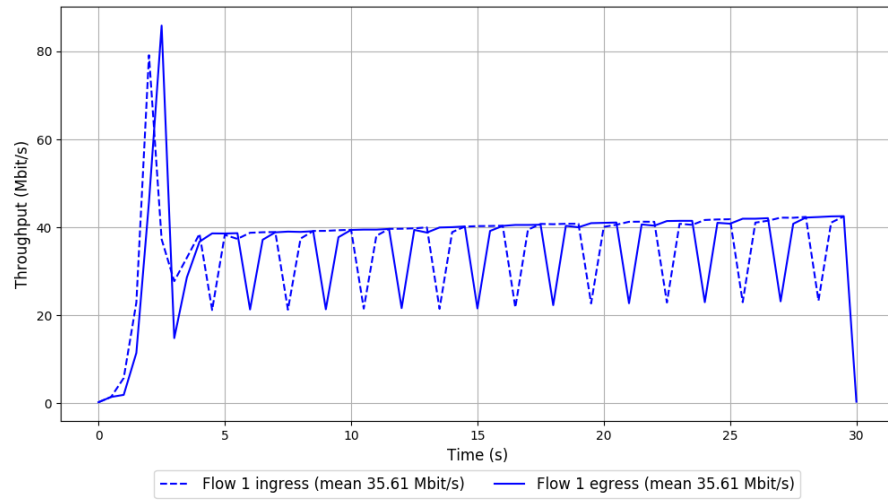
-- Flow 1:

Average throughput: 35.61 Mbit/s

95th percentile per-packet one-way delay: 137.987 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-28 04:14:57

End at: 2018-02-28 04:15:27

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.93 Mbit/s

95th percentile per-packet one-way delay: 137.378 ms

Loss rate: 0.00%

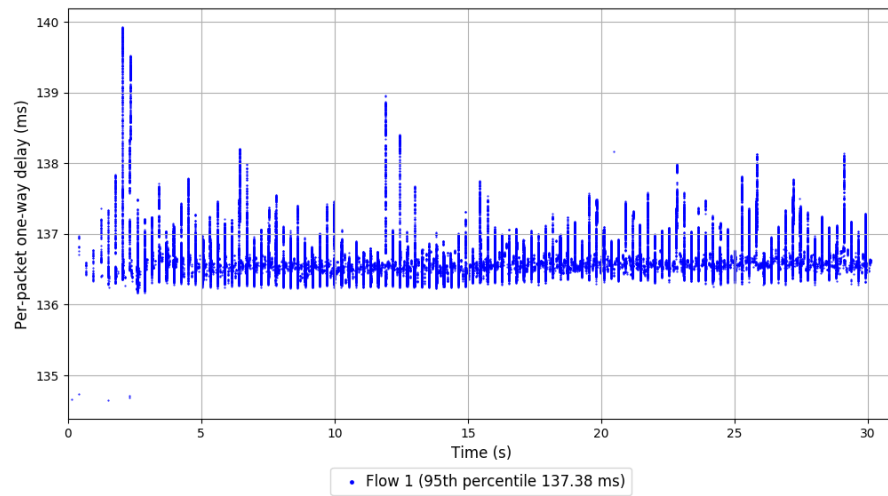
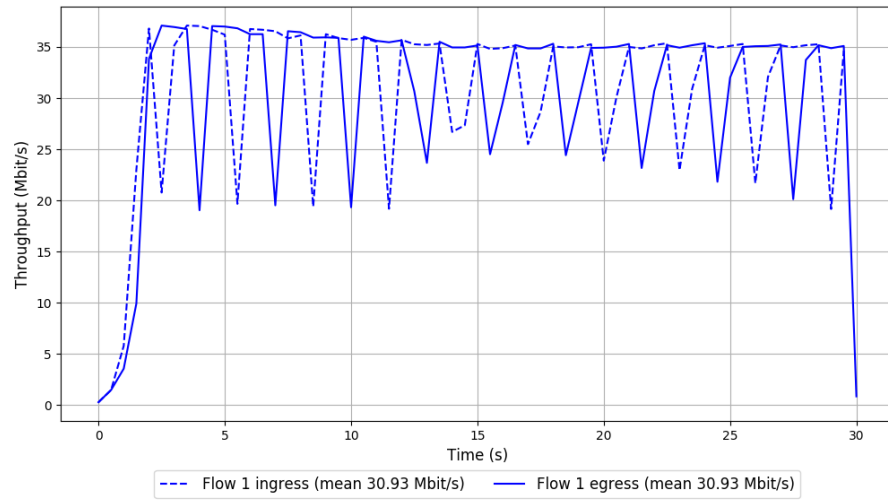
-- Flow 1:

Average throughput: 30.93 Mbit/s

95th percentile per-packet one-way delay: 137.378 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-28 04:31:08

End at: 2018-02-28 04:31:38

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.62 Mbit/s

95th percentile per-packet one-way delay: 137.711 ms

Loss rate: 0.00%

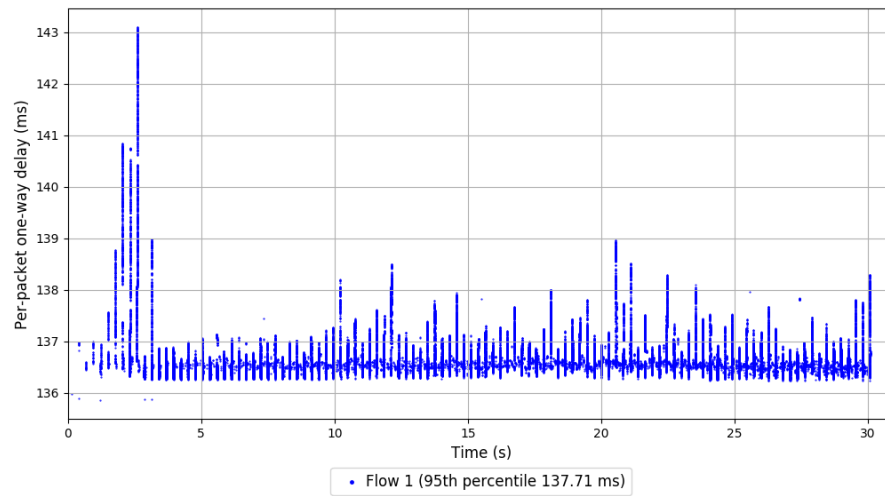
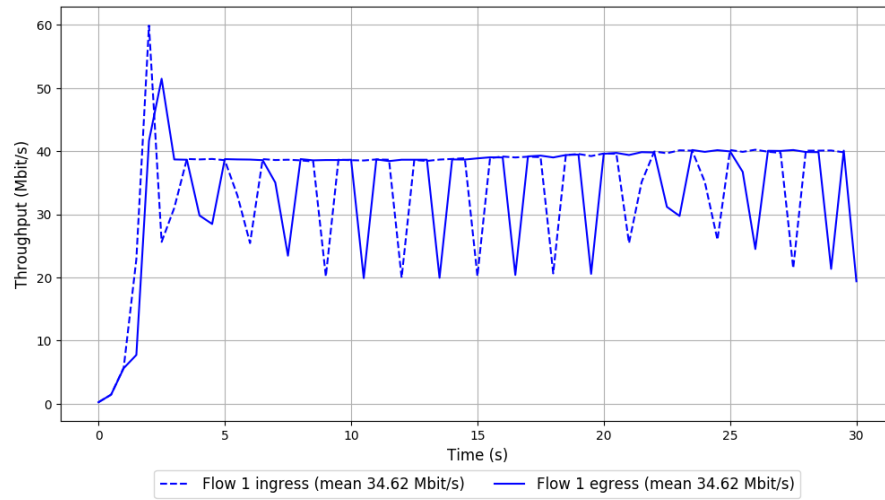
-- Flow 1:

Average throughput: 34.62 Mbit/s

95th percentile per-packet one-way delay: 137.711 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-28 04:47:21

End at: 2018-02-28 04:47:51

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.29 Mbit/s

95th percentile per-packet one-way delay: 141.176 ms

Loss rate: 0.00%

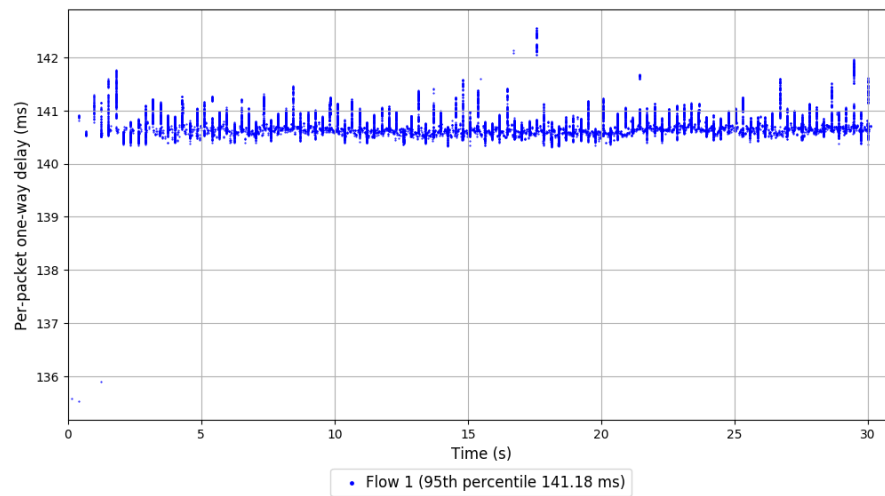
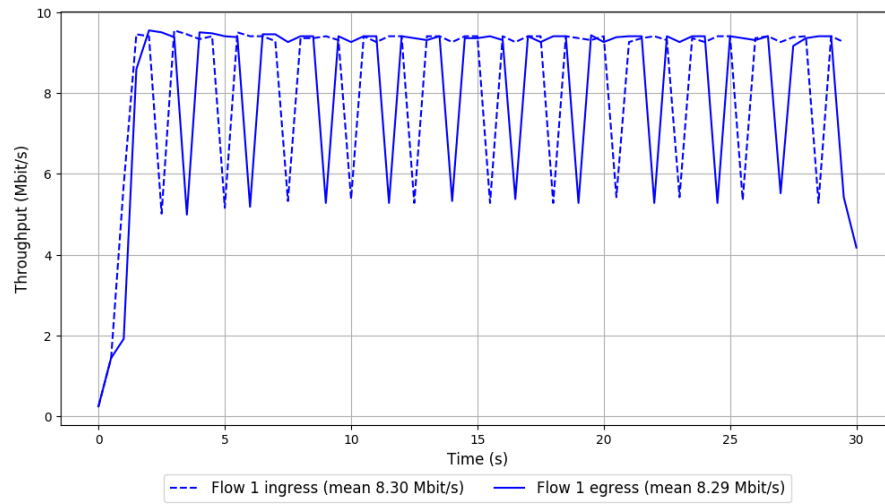
-- Flow 1:

Average throughput: 8.29 Mbit/s

95th percentile per-packet one-way delay: 141.176 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-28 05:03:28

End at: 2018-02-28 05:03:58

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.61 Mbit/s

95th percentile per-packet one-way delay: 141.594 ms

Loss rate: 0.00%

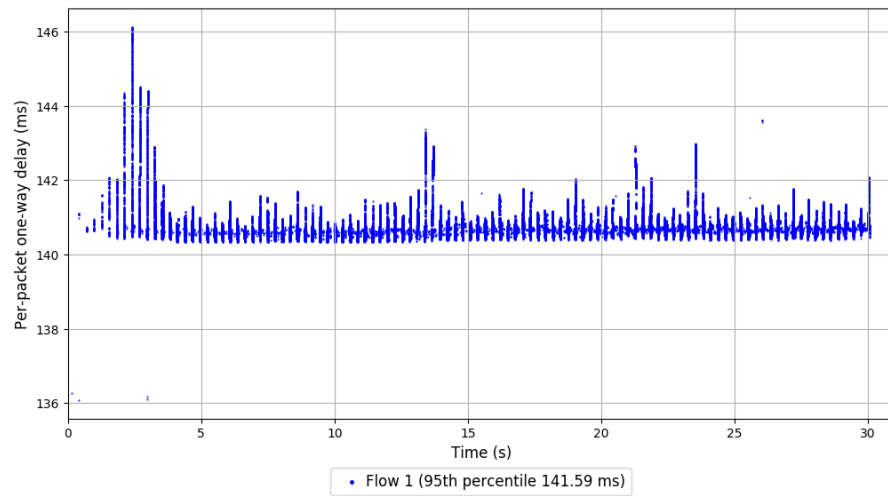
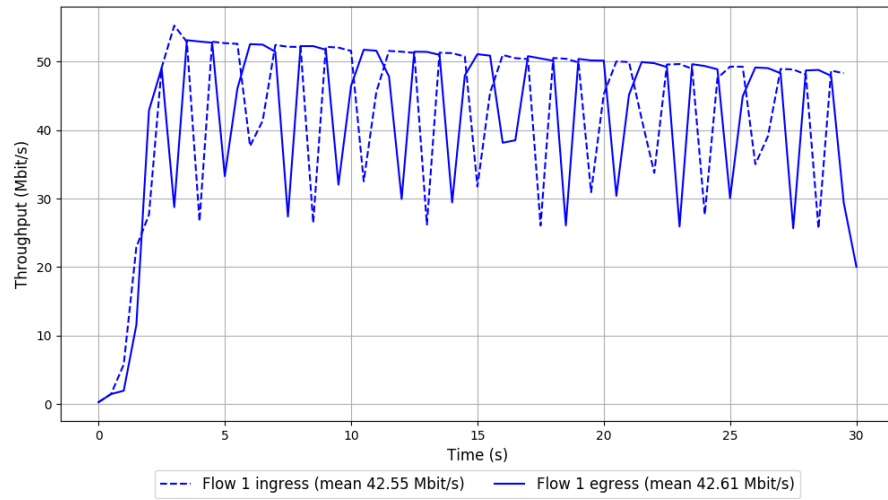
-- Flow 1:

Average throughput: 42.61 Mbit/s

95th percentile per-packet one-way delay: 141.594 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-28 05:19:55

End at: 2018-02-28 05:20:25

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.08 Mbit/s

95th percentile per-packet one-way delay: 141.777 ms

Loss rate: 0.18%

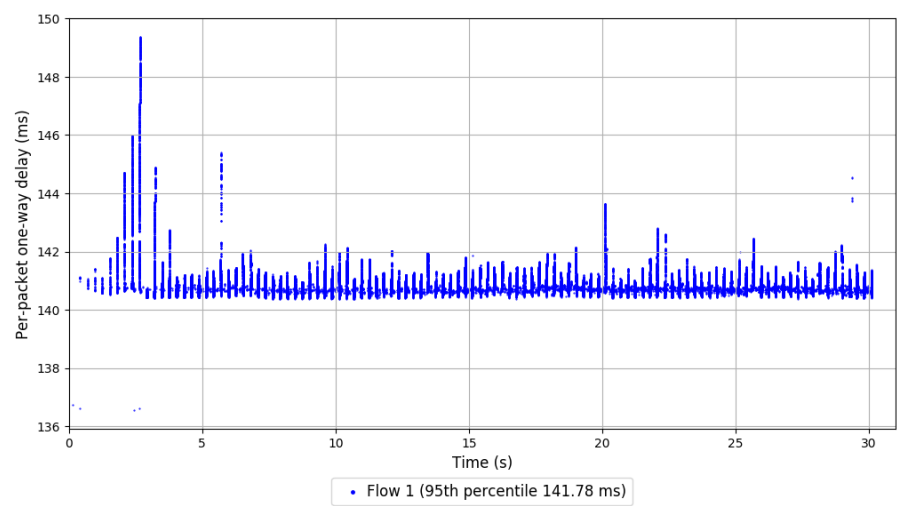
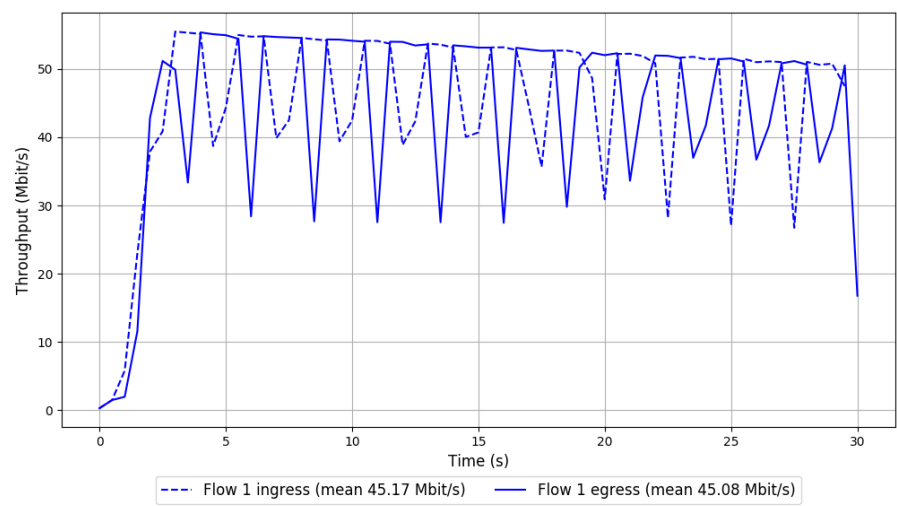
-- Flow 1:

Average throughput: 45.08 Mbit/s

95th percentile per-packet one-way delay: 141.777 ms

Loss rate: 0.18%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-28 02:41:34

End at: 2018-02-28 02:42:04

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.71 Mbit/s

95th percentile per-packet one-way delay: 159.646 ms

Loss rate: 0.00%

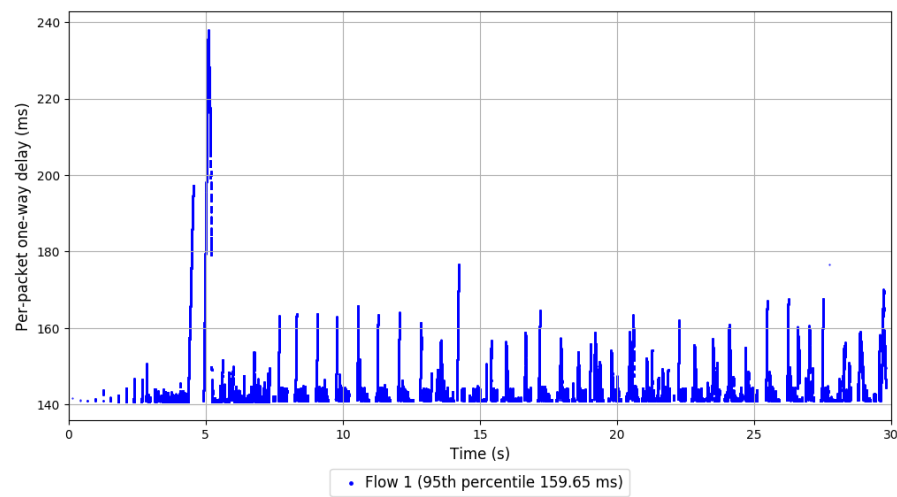
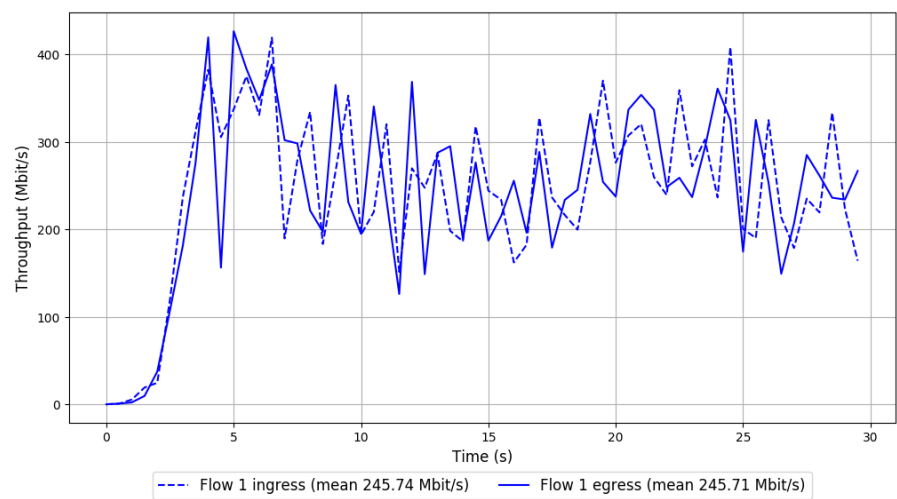
-- Flow 1:

Average throughput: 245.71 Mbit/s

95th percentile per-packet one-way delay: 159.646 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-28 02:57:09

End at: 2018-02-28 02:57:39

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.92 Mbit/s

95th percentile per-packet one-way delay: 152.185 ms

Loss rate: 0.00%

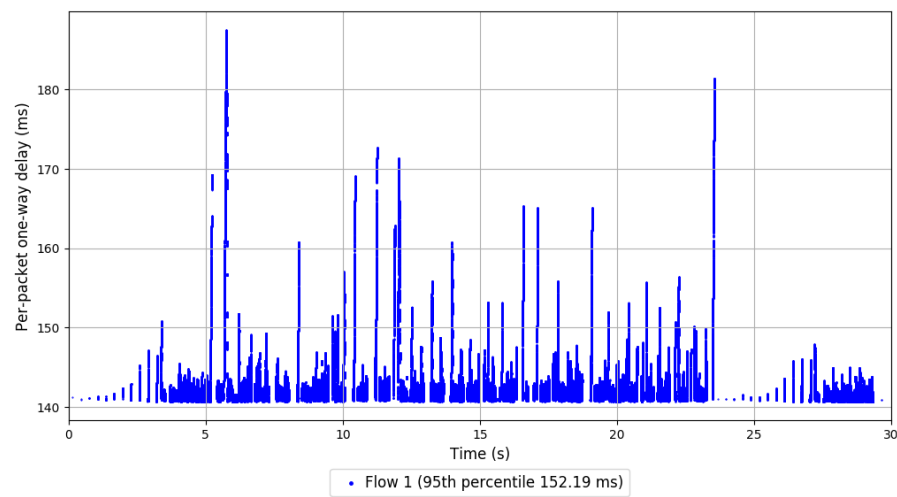
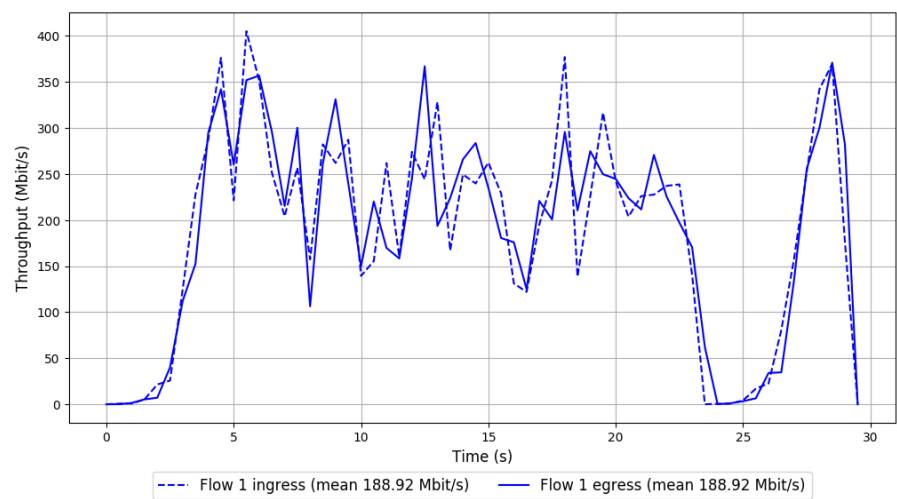
-- Flow 1:

Average throughput: 188.92 Mbit/s

95th percentile per-packet one-way delay: 152.185 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-28 03:13:34

End at: 2018-02-28 03:14:04

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.21 Mbit/s

95th percentile per-packet one-way delay: 146.561 ms

Loss rate: 0.00%

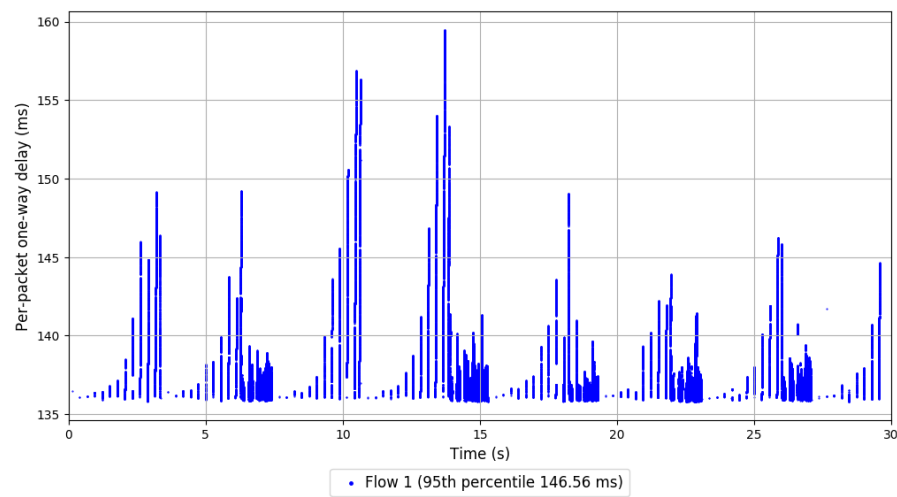
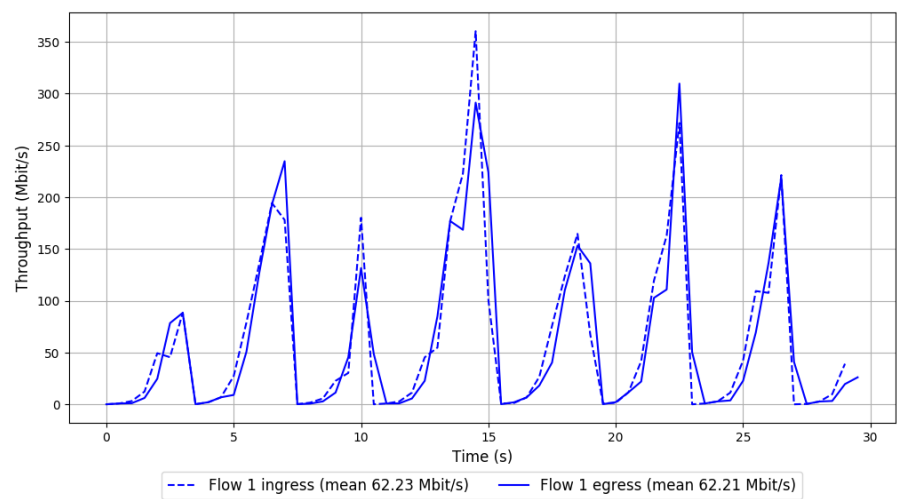
-- Flow 1:

Average throughput: 62.21 Mbit/s

95th percentile per-packet one-way delay: 146.561 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-28 03:29:42

End at: 2018-02-28 03:30:12

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.80 Mbit/s

95th percentile per-packet one-way delay: 156.198 ms

Loss rate: 0.00%

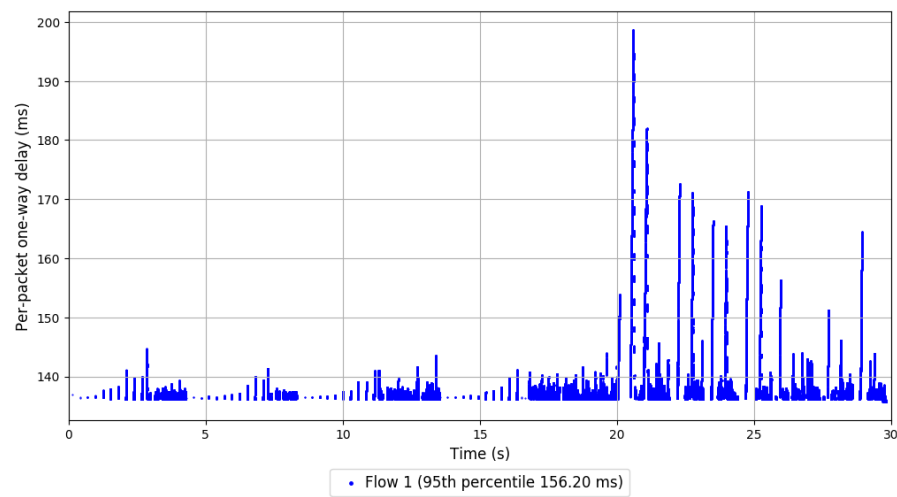
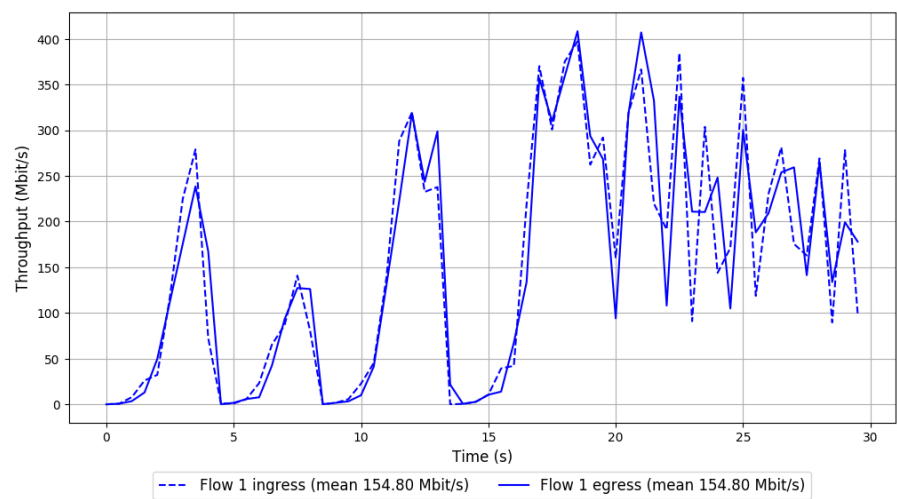
-- Flow 1:

Average throughput: 154.80 Mbit/s

95th percentile per-packet one-way delay: 156.198 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-28 03:45:55

End at: 2018-02-28 03:46:25

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.45 Mbit/s

95th percentile per-packet one-way delay: 209.964 ms

Loss rate: 0.00%

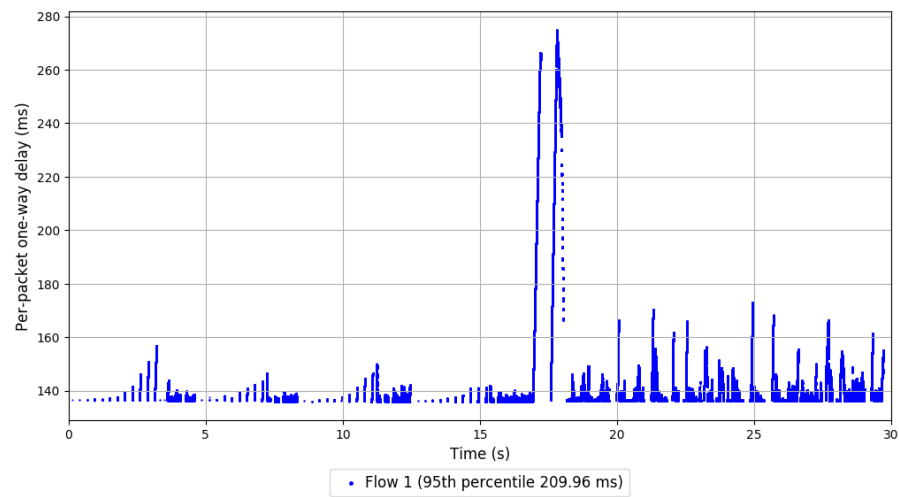
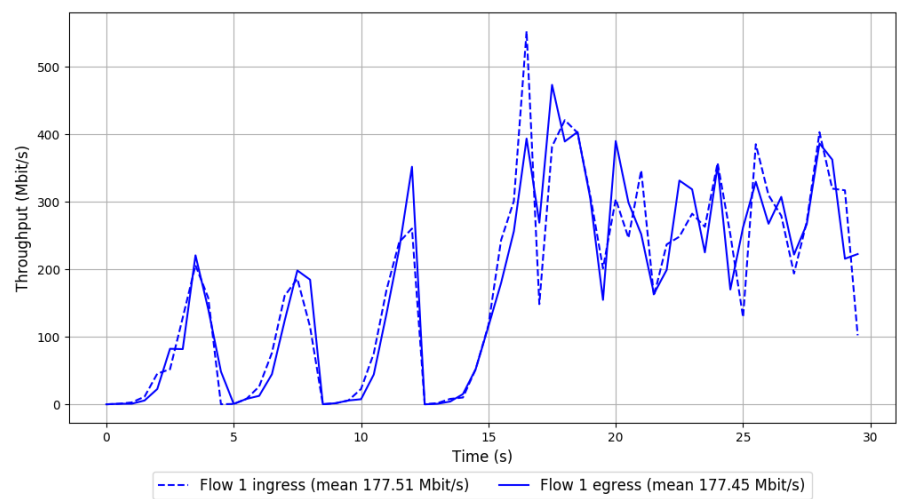
-- Flow 1:

Average throughput: 177.45 Mbit/s

95th percentile per-packet one-way delay: 209.964 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-28 04:02:25

End at: 2018-02-28 04:02:55

Below is generated by plot.py at 2018-02-28 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.45 Mbit/s

95th percentile per-packet one-way delay: 165.240 ms

Loss rate: 0.00%

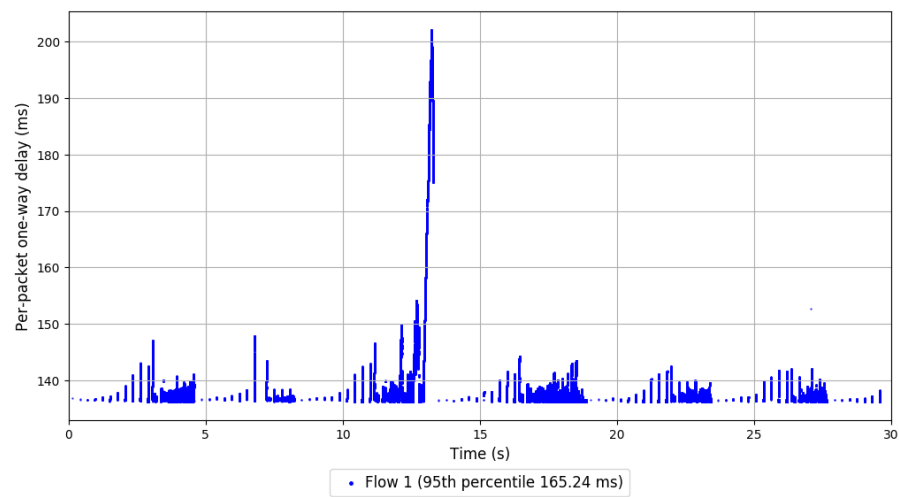
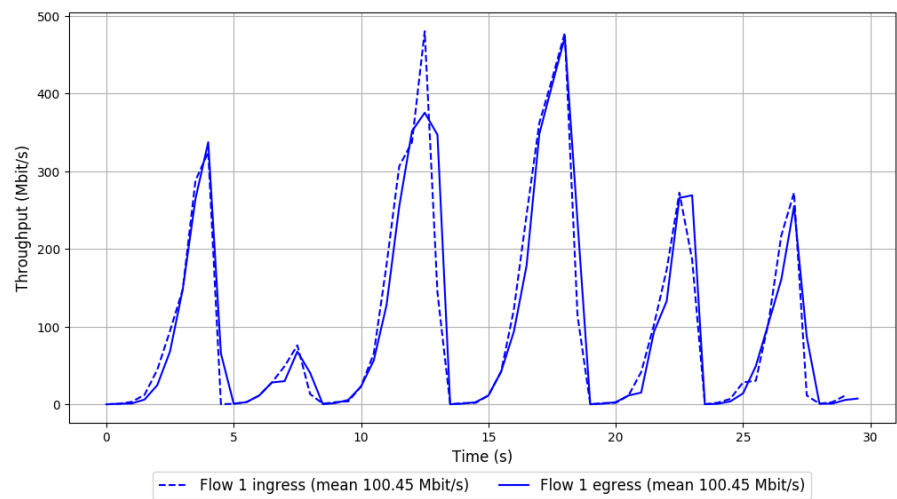
-- Flow 1:

Average throughput: 100.45 Mbit/s

95th percentile per-packet one-way delay: 165.240 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-28 04:18:20

End at: 2018-02-28 04:18:50

Below is generated by plot.py at 2018-02-28 06:58:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.38 Mbit/s

95th percentile per-packet one-way delay: 164.078 ms

Loss rate: 0.00%

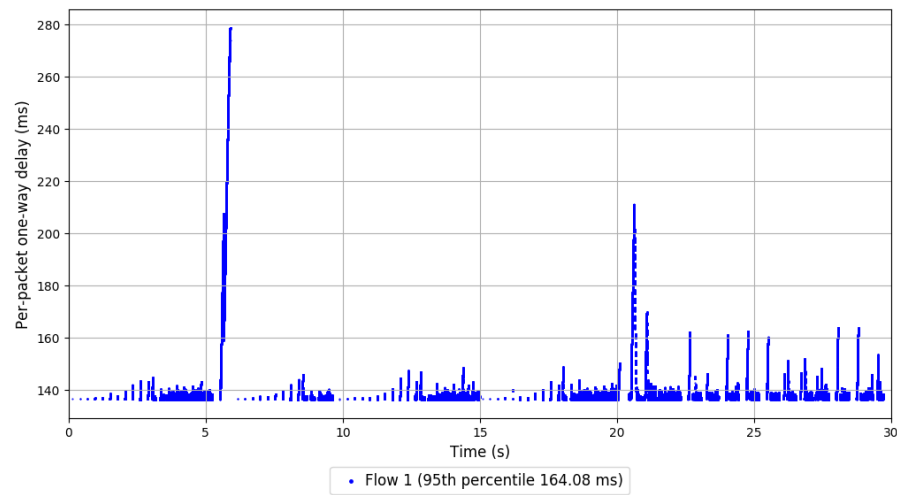
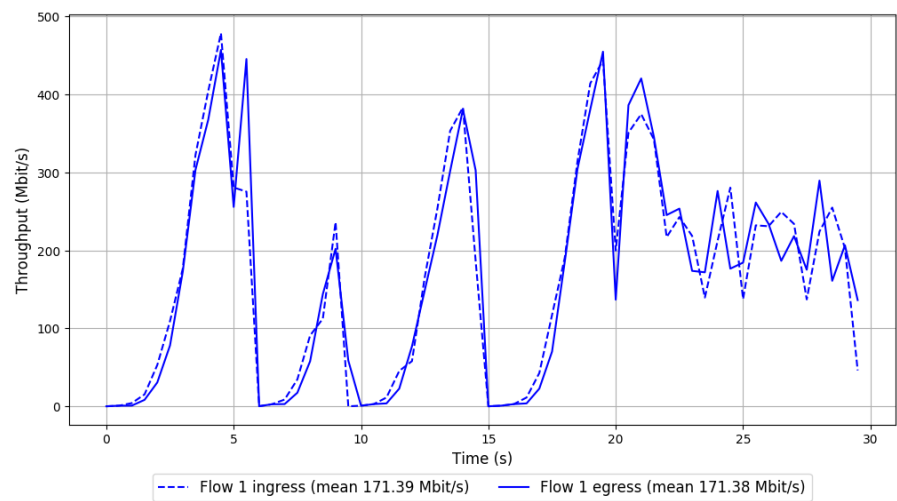
-- Flow 1:

Average throughput: 171.38 Mbit/s

95th percentile per-packet one-way delay: 164.078 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-28 04:34:30

End at: 2018-02-28 04:35:00

Below is generated by plot.py at 2018-02-28 07:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.59 Mbit/s

95th percentile per-packet one-way delay: 336.062 ms

Loss rate: 7.77%

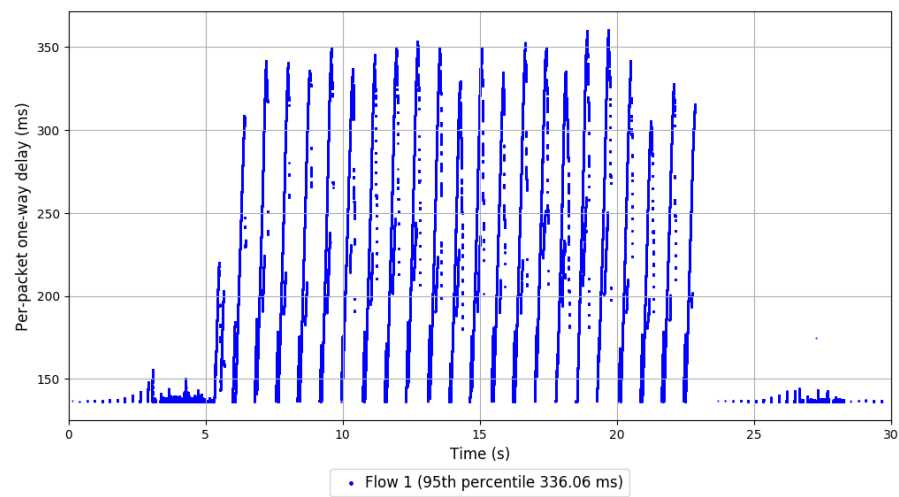
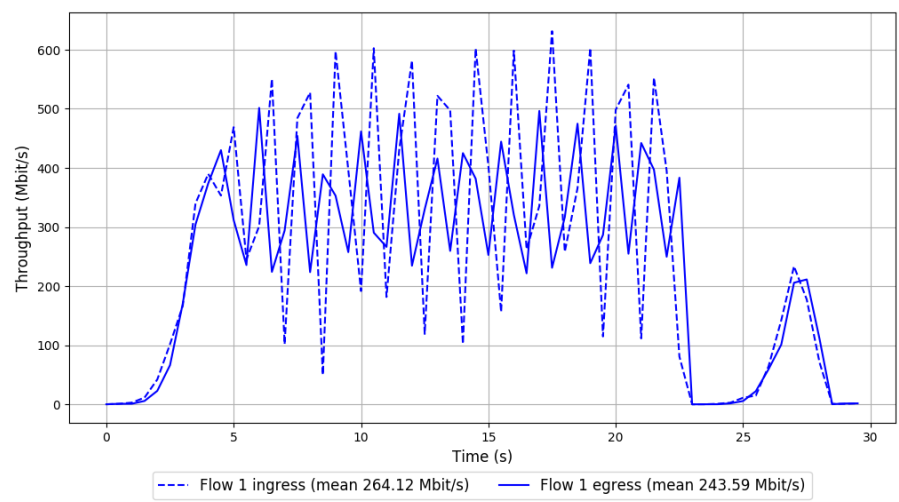
-- Flow 1:

Average throughput: 243.59 Mbit/s

95th percentile per-packet one-way delay: 336.062 ms

Loss rate: 7.77%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-28 04:50:42

End at: 2018-02-28 04:51:12

Below is generated by plot.py at 2018-02-28 07:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.26 Mbit/s

95th percentile per-packet one-way delay: 164.070 ms

Loss rate: 0.08%

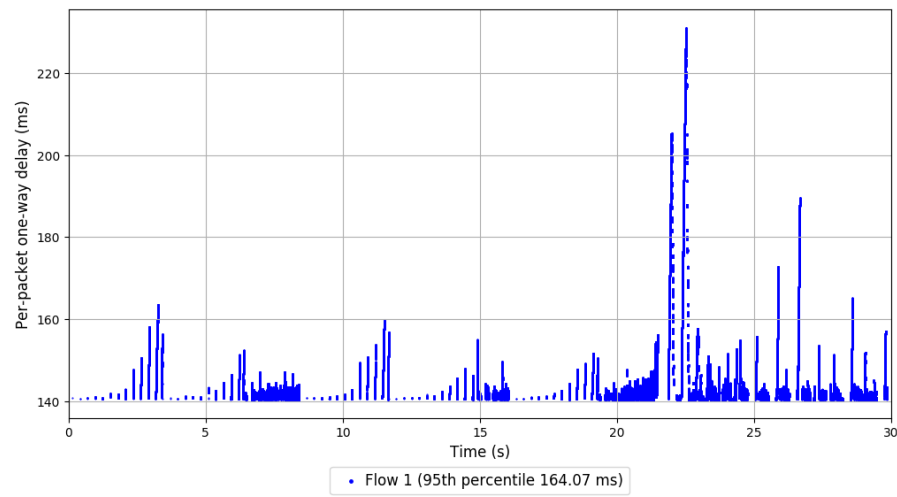
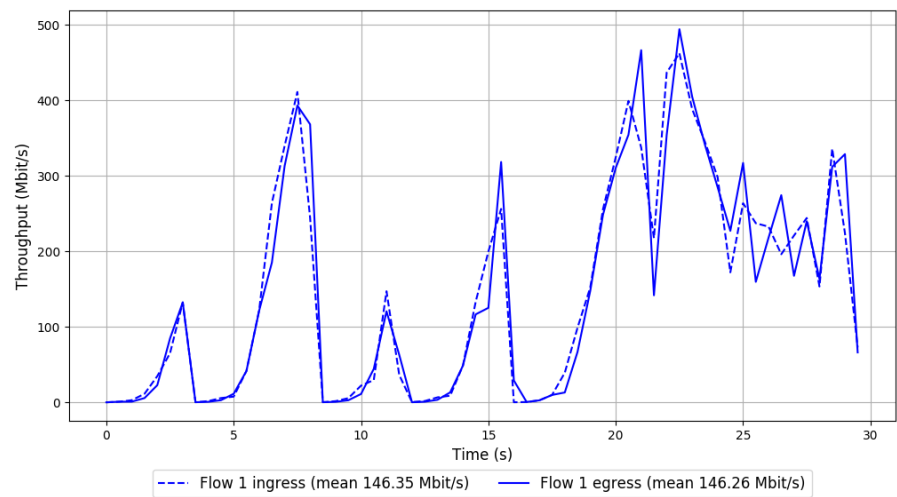
-- Flow 1:

Average throughput: 146.26 Mbit/s

95th percentile per-packet one-way delay: 164.070 ms

Loss rate: 0.08%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-28 05:06:54

End at: 2018-02-28 05:07:24

Below is generated by plot.py at 2018-02-28 07:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.17 Mbit/s

95th percentile per-packet one-way delay: 213.842 ms

Loss rate: 1.18%

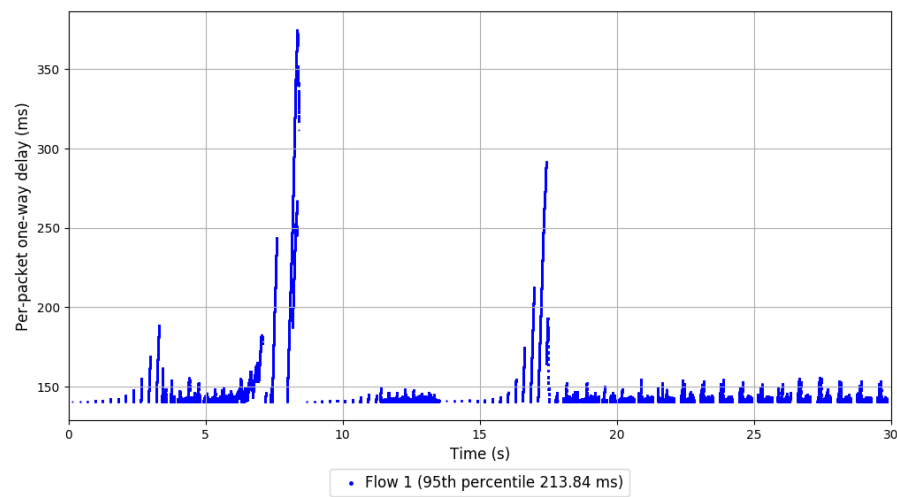
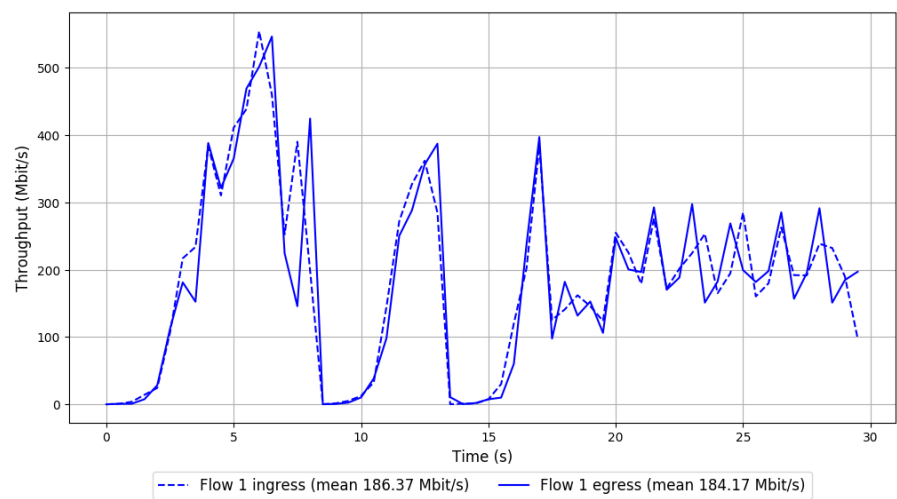
-- Flow 1:

Average throughput: 184.17 Mbit/s

95th percentile per-packet one-way delay: 213.842 ms

Loss rate: 1.18%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-28 02:44:37

End at: 2018-02-28 02:45:07

Below is generated by plot.py at 2018-02-28 07:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.82 Mbit/s

95th percentile per-packet one-way delay: 140.981 ms

Loss rate: 0.00%

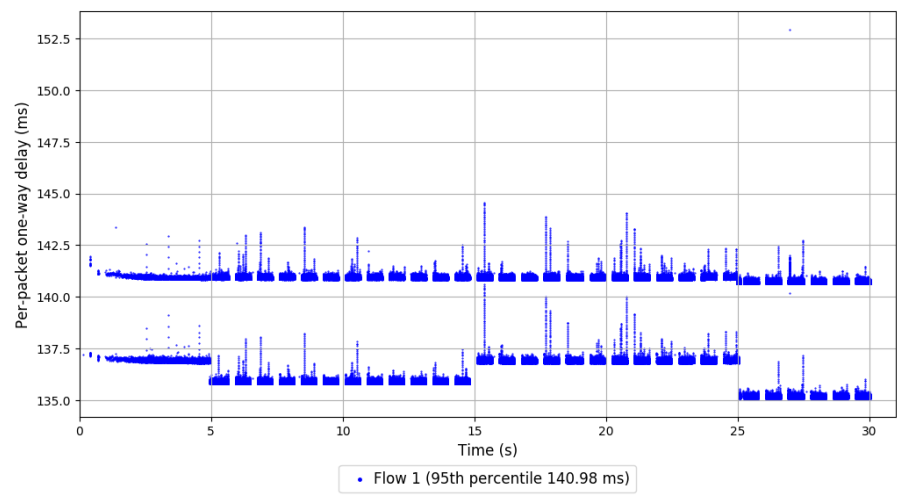
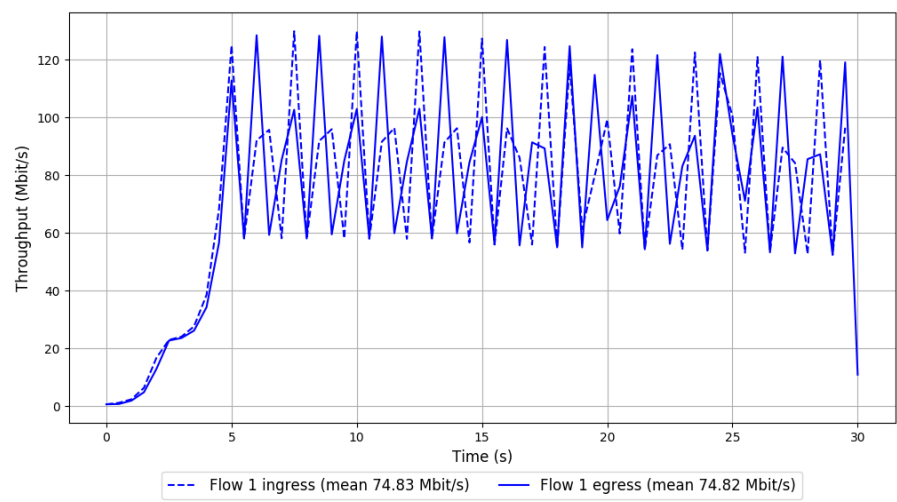
-- Flow 1:

Average throughput: 74.82 Mbit/s

95th percentile per-packet one-way delay: 140.981 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-28 03:00:21

End at: 2018-02-28 03:00:51

Below is generated by plot.py at 2018-02-28 07:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.53 Mbit/s

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

Loss rate: 0.00%

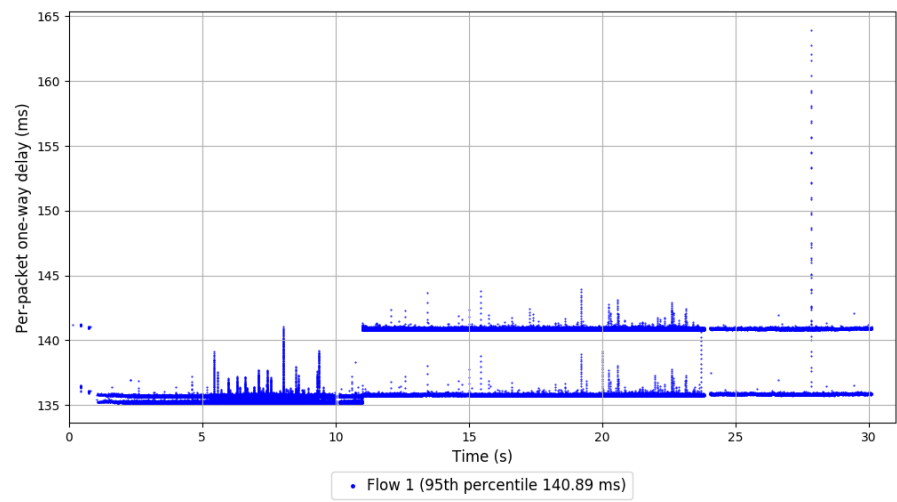
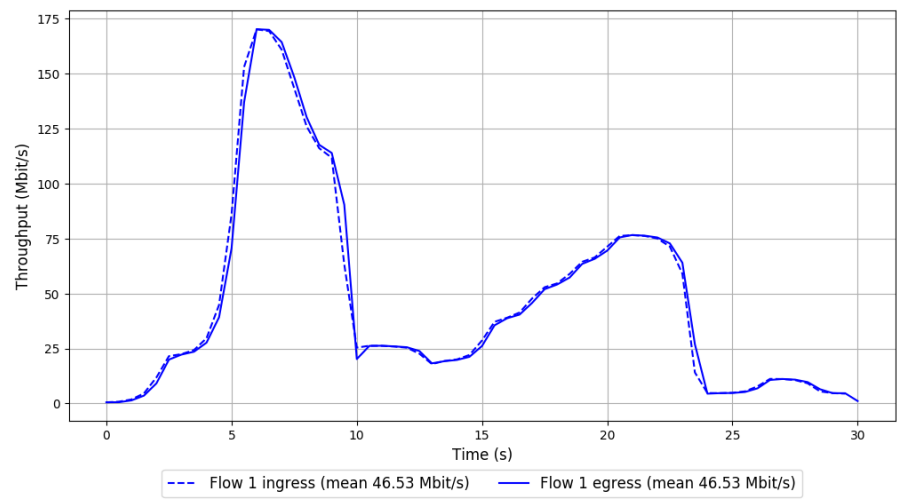
-- Flow 1:

Average throughput: 46.53 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-28 03:16:25

End at: 2018-02-28 03:16:55

Below is generated by plot.py at 2018-02-28 07:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.01 Mbit/s

95th percentile per-packet one-way delay: 136.890 ms

Loss rate: 0.00%

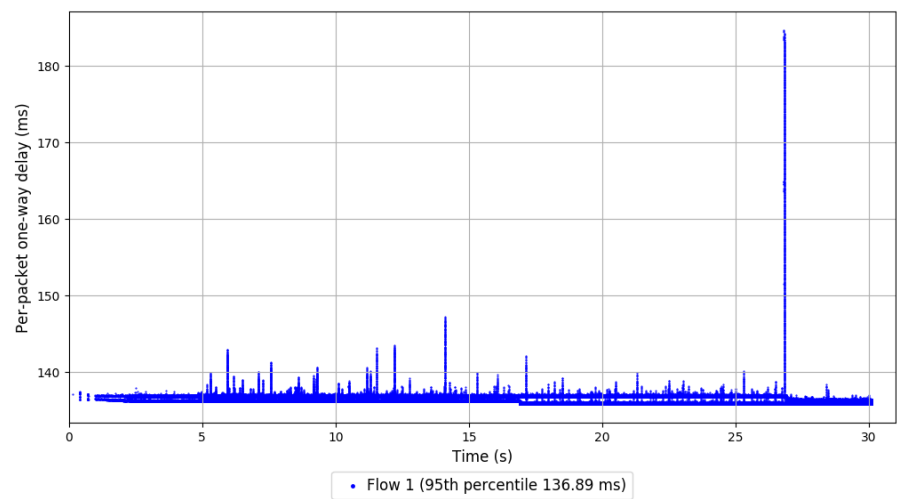
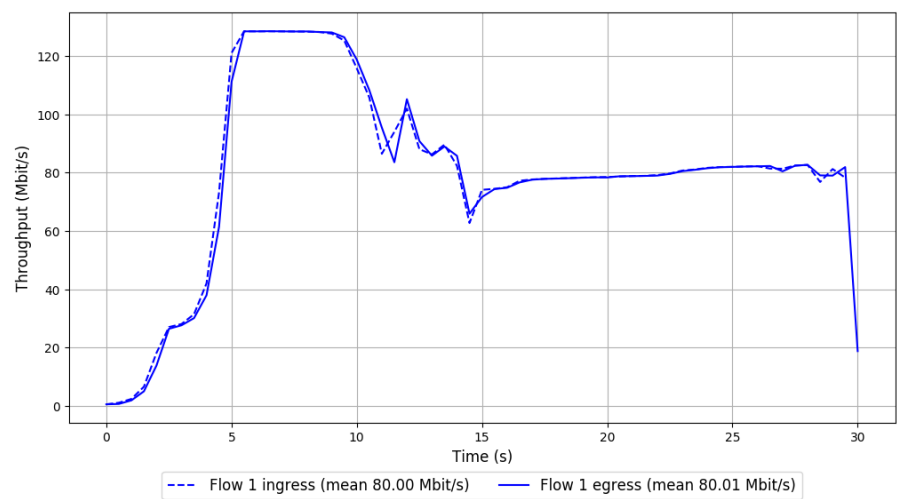
-- Flow 1:

Average throughput: 80.01 Mbit/s

95th percentile per-packet one-way delay: 136.890 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-28 03:32:54

End at: 2018-02-28 03:33:24

Below is generated by plot.py at 2018-02-28 07:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.28 Mbit/s

95th percentile per-packet one-way delay: 136.489 ms

Loss rate: 0.00%

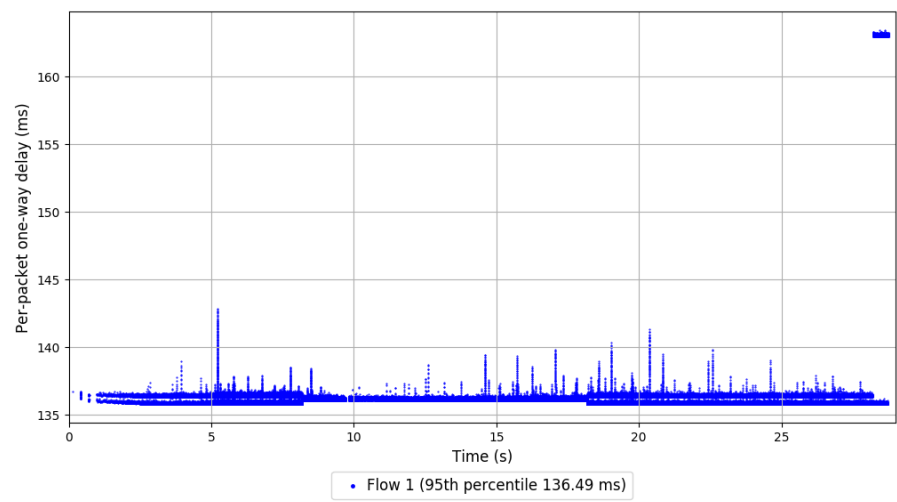
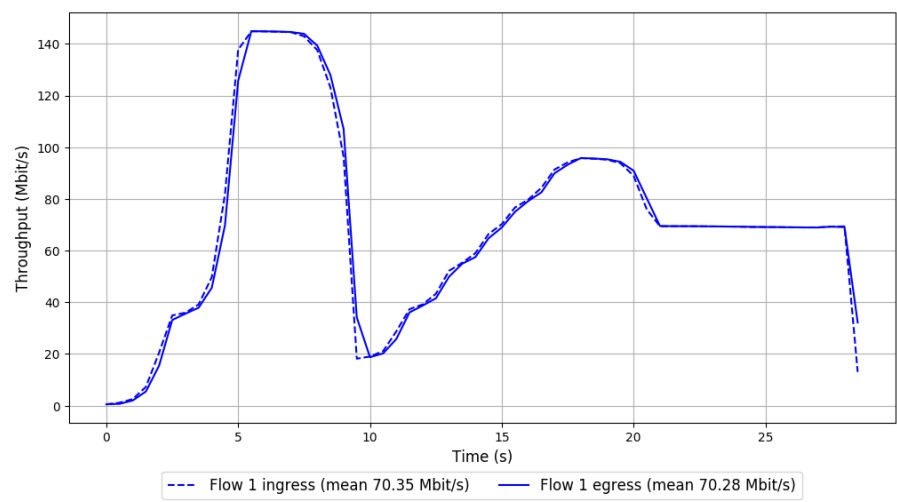
-- Flow 1:

Average throughput: 70.28 Mbit/s

95th percentile per-packet one-way delay: 136.489 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-28 03:48:53

End at: 2018-02-28 03:49:23

Below is generated by plot.py at 2018-02-28 07:01:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.46 Mbit/s

95th percentile per-packet one-way delay: 136.326 ms

Loss rate: 0.00%

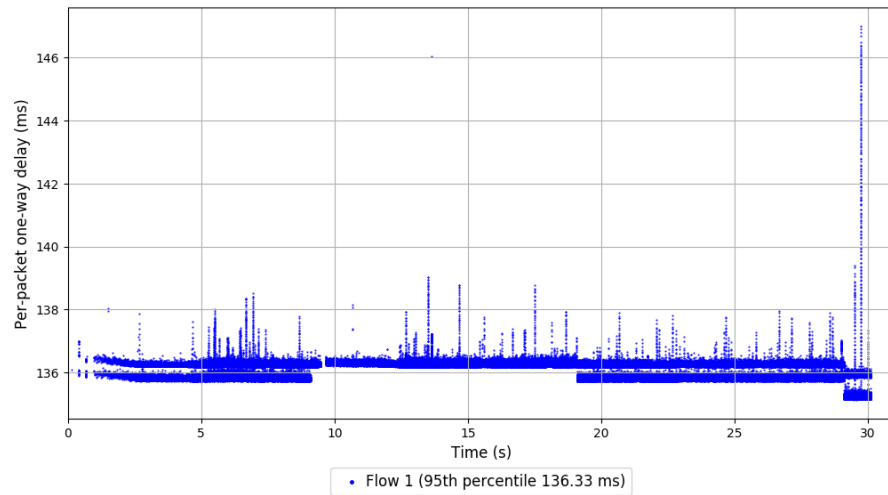
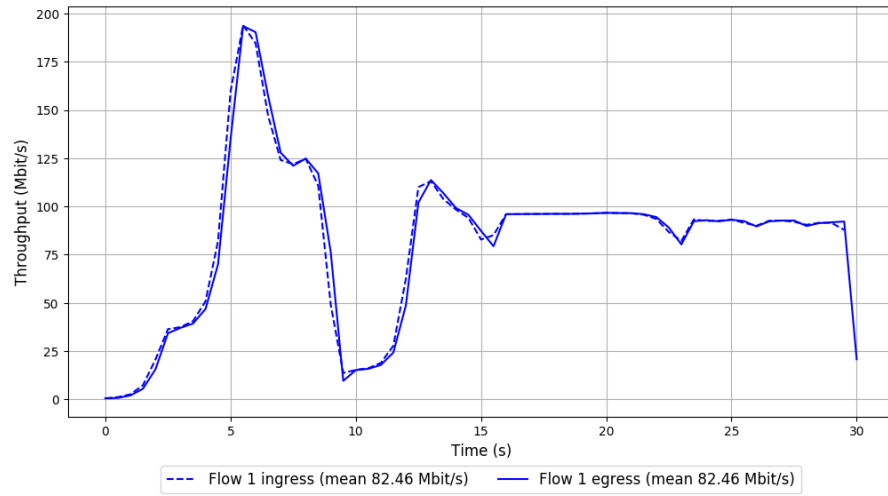
-- Flow 1:

Average throughput: 82.46 Mbit/s

95th percentile per-packet one-way delay: 136.326 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-28 04:05:18

End at: 2018-02-28 04:05:48

Below is generated by plot.py at 2018-02-28 07:01:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 140.853 ms

Loss rate: 0.00%

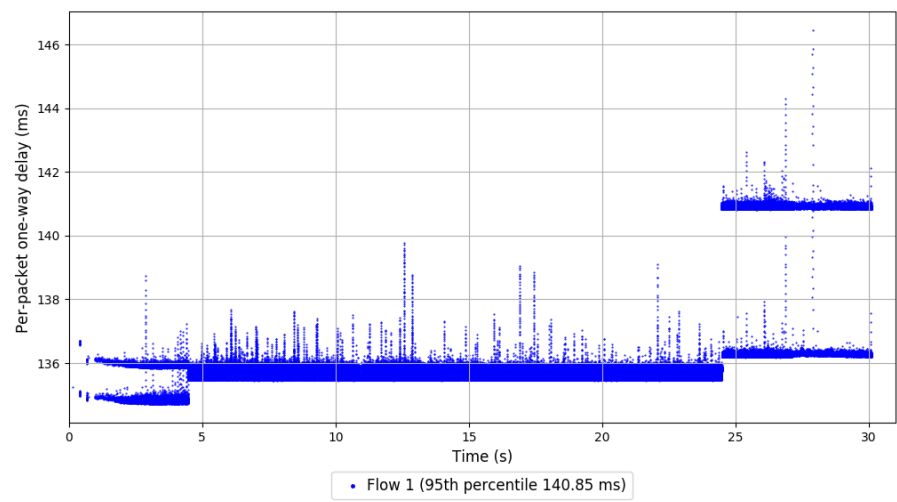
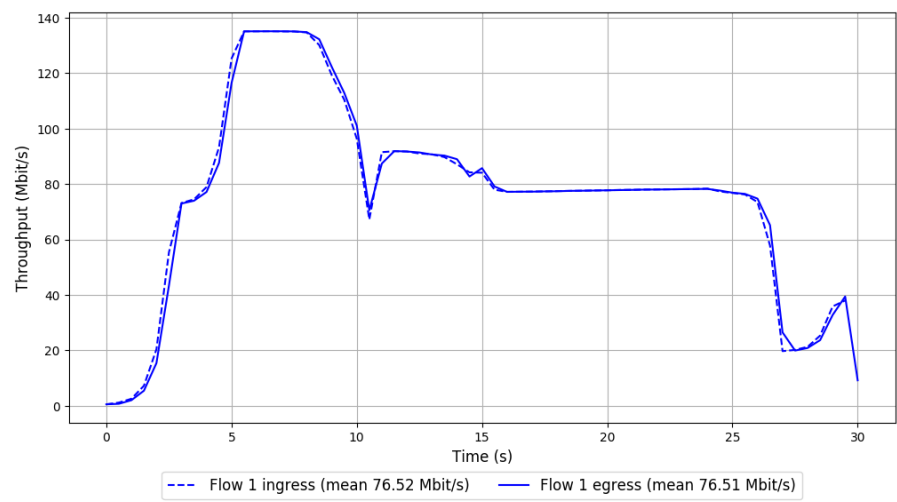
-- Flow 1:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 140.853 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-28 04:21:18

End at: 2018-02-28 04:21:48

Below is generated by plot.py at 2018-02-28 07:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.66 Mbit/s

95th percentile per-packet one-way delay: 136.398 ms

Loss rate: 0.00%

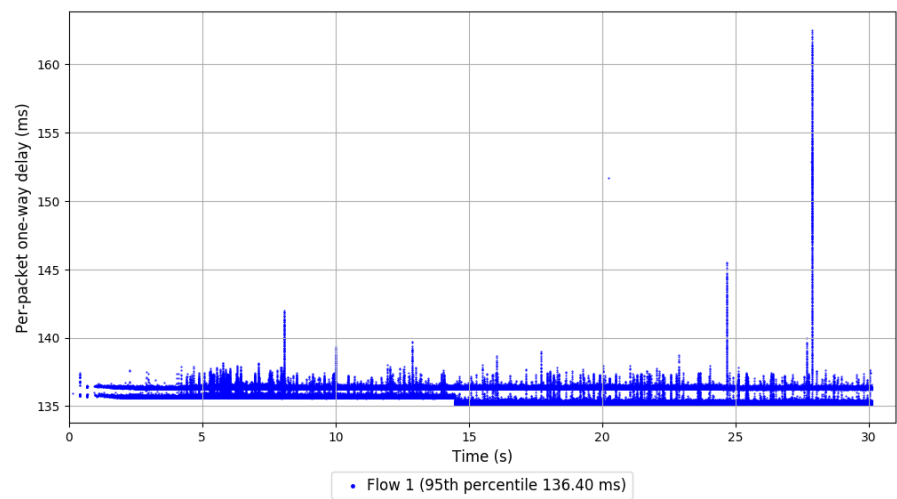
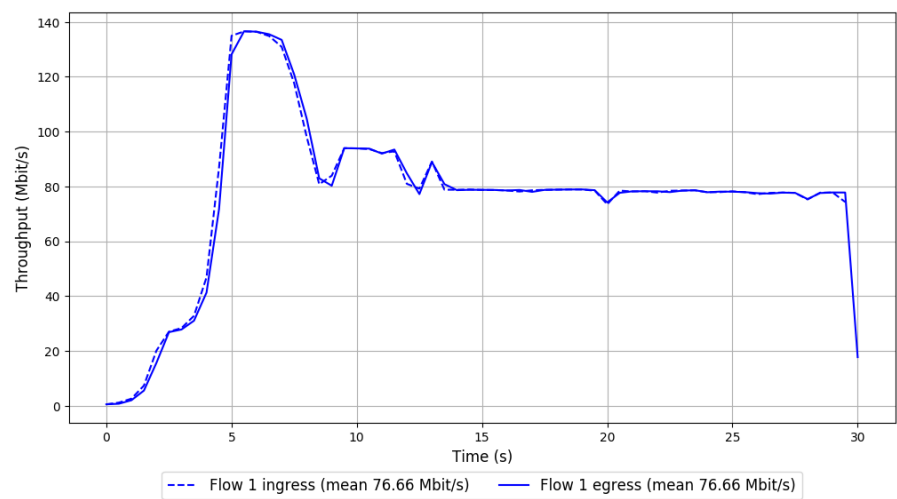
-- Flow 1:

Average throughput: 76.66 Mbit/s

95th percentile per-packet one-way delay: 136.398 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-28 04:37:33

End at: 2018-02-28 04:38:03

Below is generated by plot.py at 2018-02-28 07:01:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.71 Mbit/s

95th percentile per-packet one-way delay: 136.724 ms

Loss rate: 0.00%

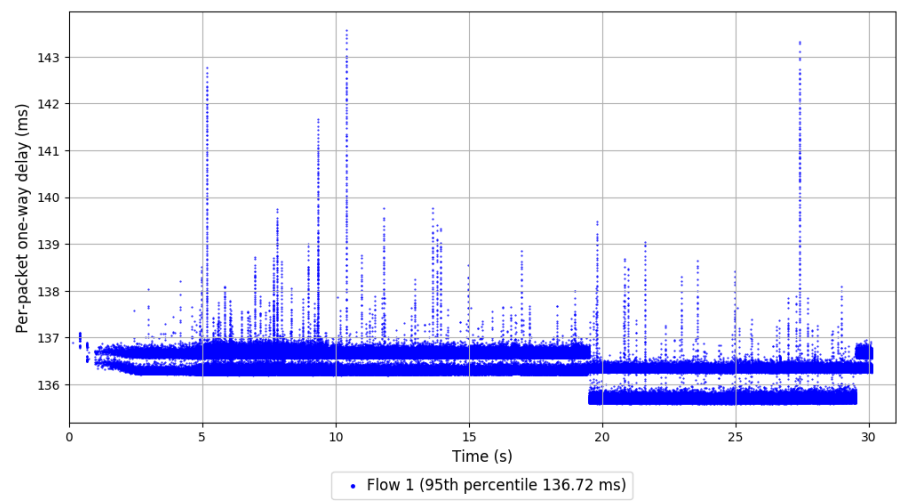
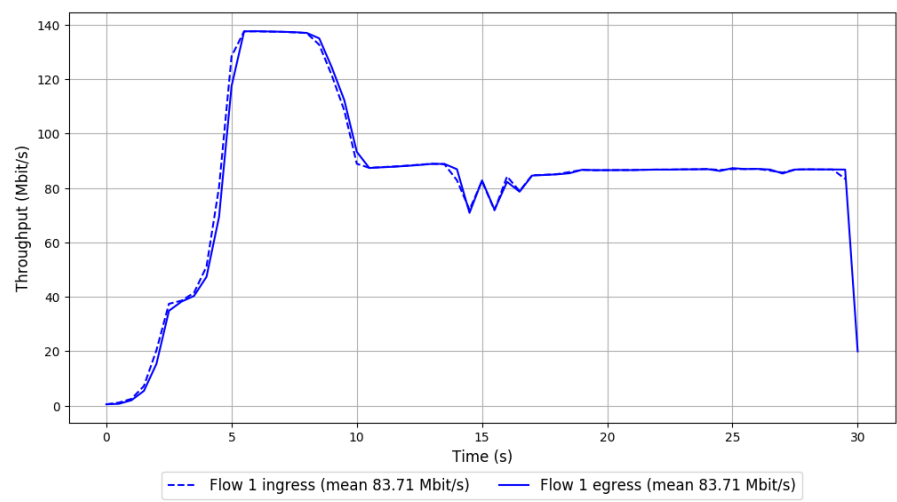
-- Flow 1:

Average throughput: 83.71 Mbit/s

95th percentile per-packet one-way delay: 136.724 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-28 04:53:38

End at: 2018-02-28 04:54:08

Below is generated by plot.py at 2018-02-28 07:02:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.41 Mbit/s

95th percentile per-packet one-way delay: 140.513 ms

Loss rate: 0.02%

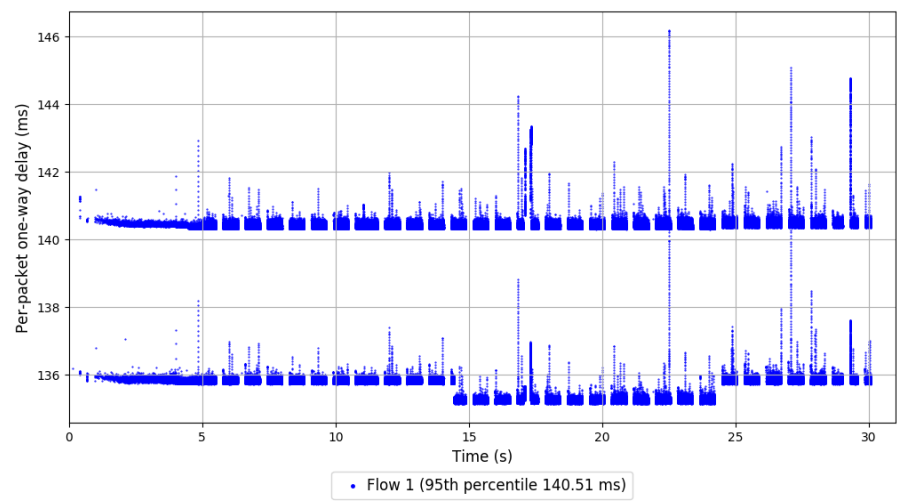
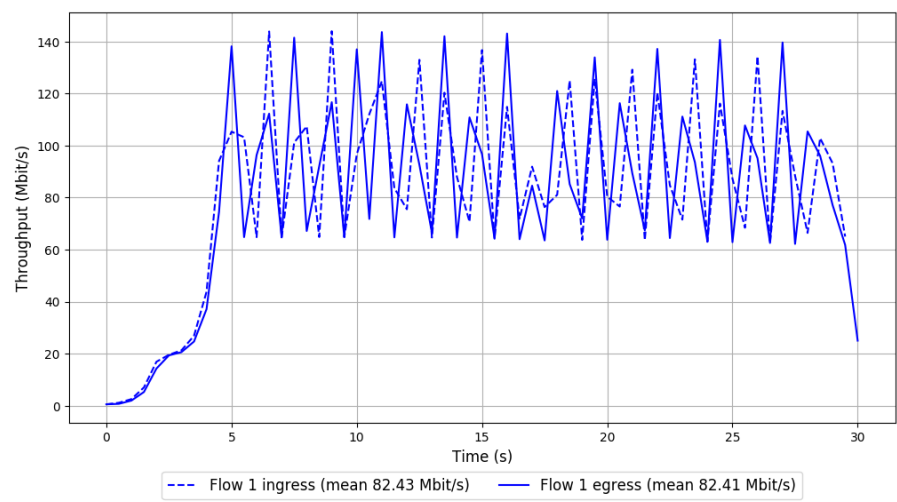
-- Flow 1:

Average throughput: 82.41 Mbit/s

95th percentile per-packet one-way delay: 140.513 ms

Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-28 05:09:57

End at: 2018-02-28 05:10:27

Below is generated by plot.py at 2018-02-28 07:02:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.22 Mbit/s

95th percentile per-packet one-way delay: 140.545 ms

Loss rate: 0.01%

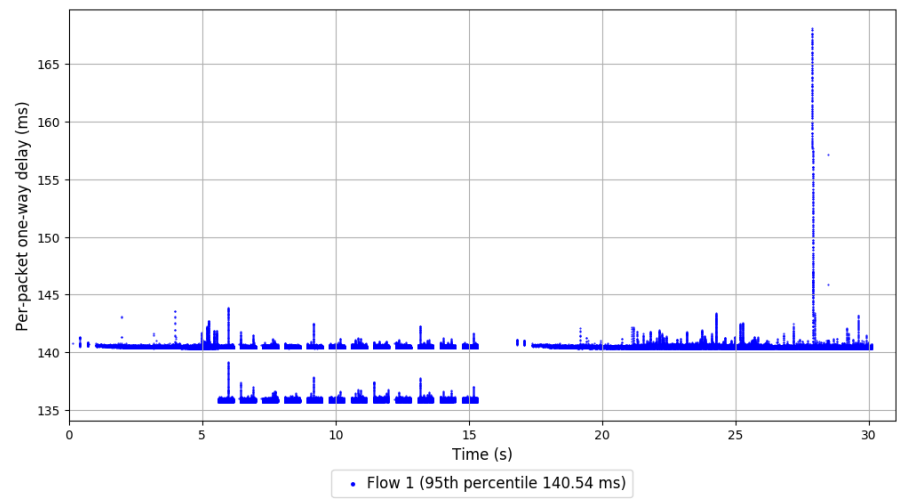
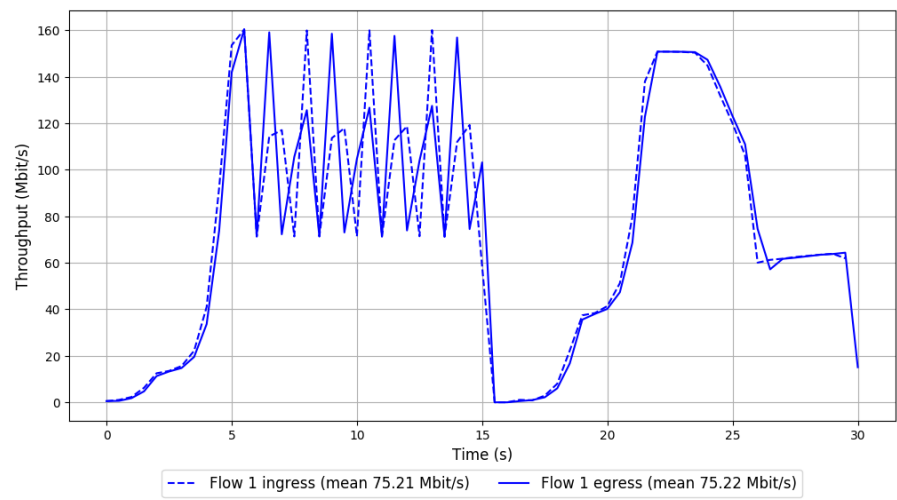
-- Flow 1:

Average throughput: 75.22 Mbit/s

95th percentile per-packet one-way delay: 140.545 ms

Loss rate: 0.01%

Run 10: Report of Copa — Data Link

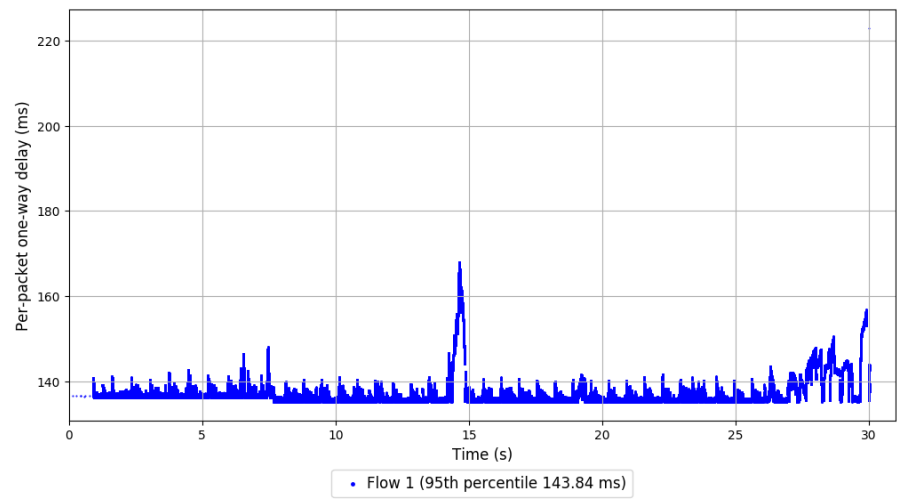
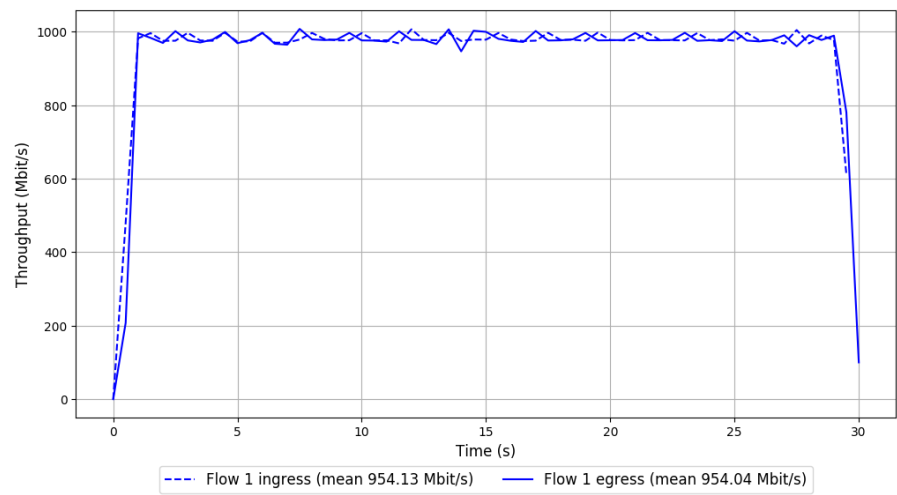


```
Run 1: Statistics of FillP

Start at: 2018-02-28 02:42:35
End at: 2018-02-28 02:43:05

# Below is generated by plot.py at 2018-02-28 07:18:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 954.04 Mbit/s
95th percentile per-packet one-way delay: 143.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 954.04 Mbit/s
95th percentile per-packet one-way delay: 143.843 ms
Loss rate: 0.00%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-28 02:58:18

End at: 2018-02-28 02:58:48

Below is generated by plot.py at 2018-02-28 07:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 948.14 Mbit/s

95th percentile per-packet one-way delay: 143.629 ms

Loss rate: 0.60%

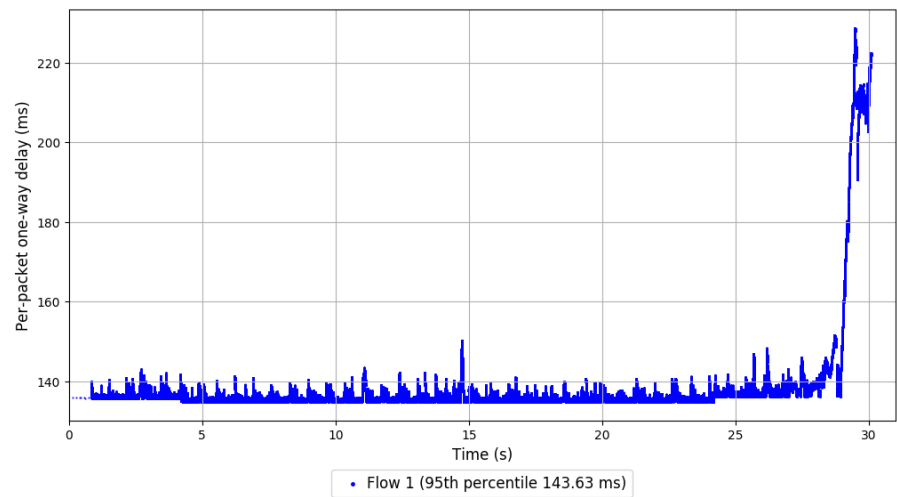
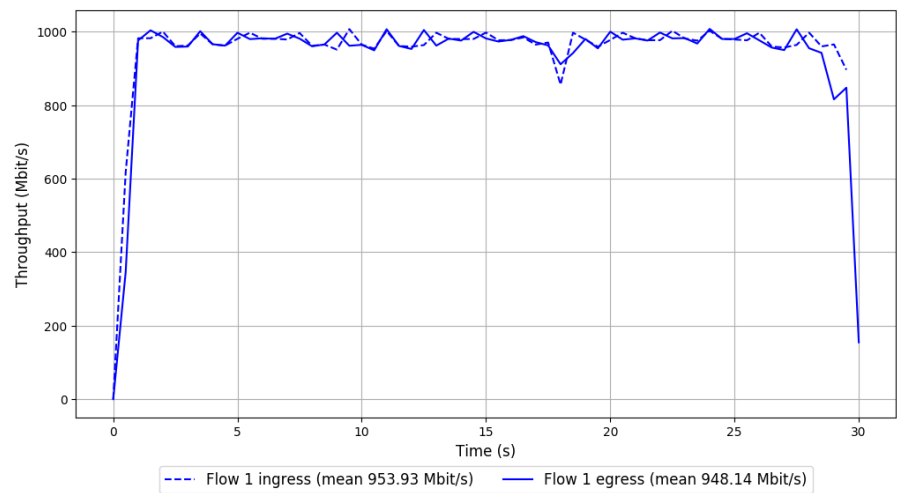
-- Flow 1:

Average throughput: 948.14 Mbit/s

95th percentile per-packet one-way delay: 143.629 ms

Loss rate: 0.60%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-28 03:14:21

End at: 2018-02-28 03:14:51

Below is generated by plot.py at 2018-02-28 07:18:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 940.68 Mbit/s

95th percentile per-packet one-way delay: 166.200 ms

Loss rate: 0.00%

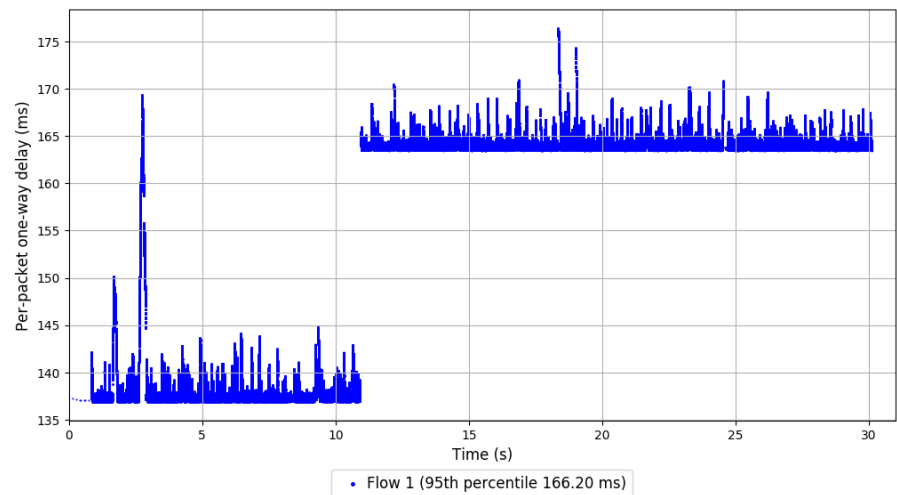
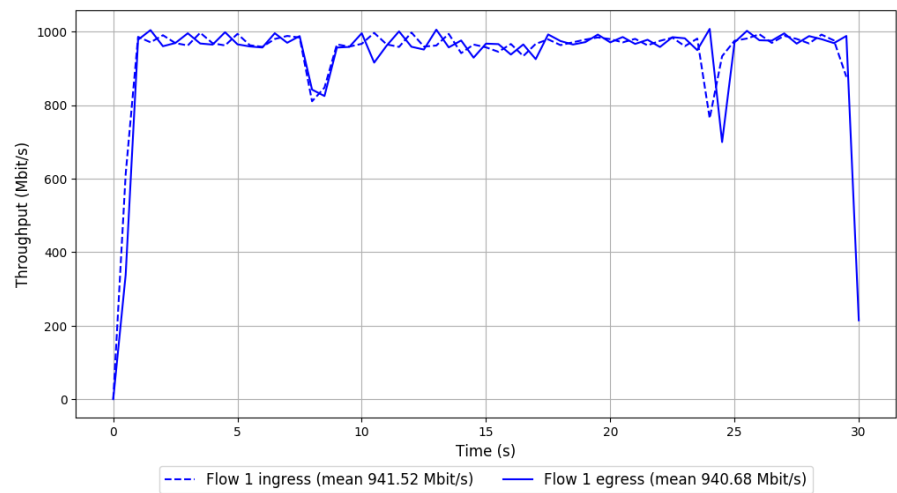
-- Flow 1:

Average throughput: 940.68 Mbit/s

95th percentile per-packet one-way delay: 166.200 ms

Loss rate: 0.00%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-28 03:30:38

End at: 2018-02-28 03:31:08

Below is generated by plot.py at 2018-02-28 07:18:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 952.62 Mbit/s

95th percentile per-packet one-way delay: 168.958 ms

Loss rate: 0.02%

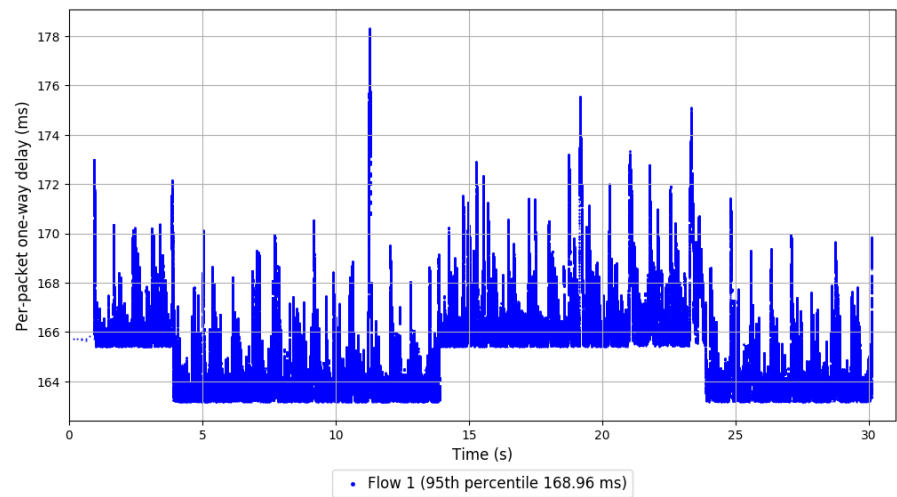
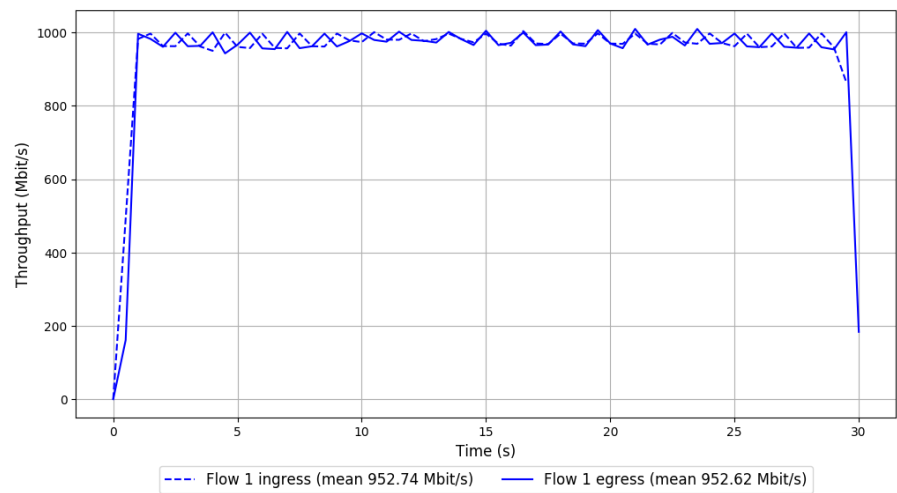
-- Flow 1:

Average throughput: 952.62 Mbit/s

95th percentile per-packet one-way delay: 168.958 ms

Loss rate: 0.02%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-28 03:46:50

End at: 2018-02-28 03:47:20

Below is generated by plot.py at 2018-02-28 07:18:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 940.03 Mbit/s

95th percentile per-packet one-way delay: 205.904 ms

Loss rate: 0.46%

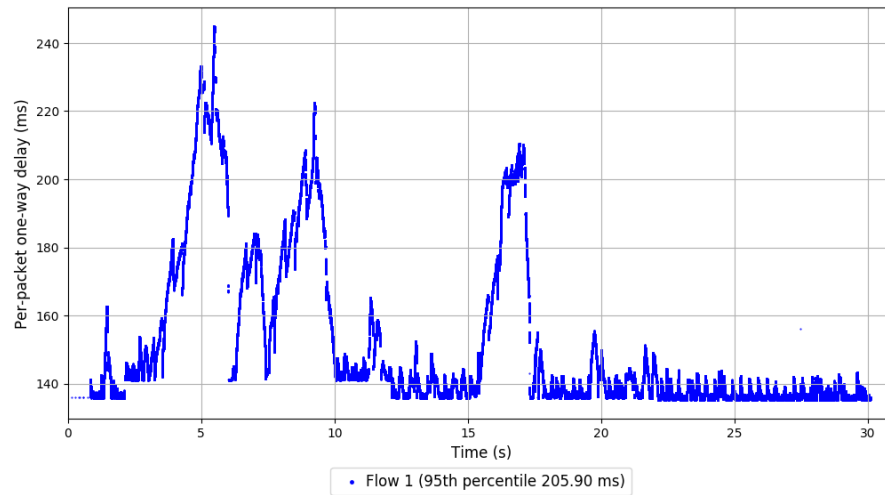
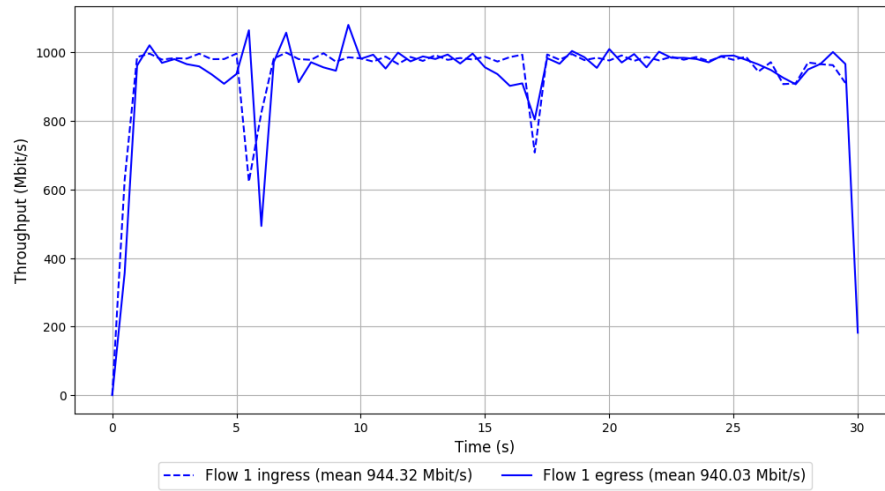
-- Flow 1:

Average throughput: 940.03 Mbit/s

95th percentile per-packet one-way delay: 205.904 ms

Loss rate: 0.46%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-28 04:03:15

End at: 2018-02-28 04:03:45

Below is generated by plot.py at 2018-02-28 07:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 953.86 Mbit/s

95th percentile per-packet one-way delay: 270.418 ms

Loss rate: 0.08%

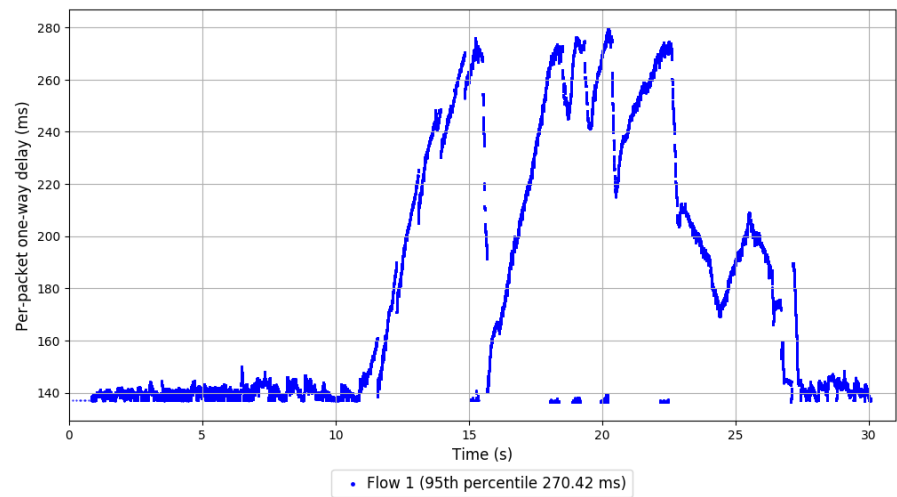
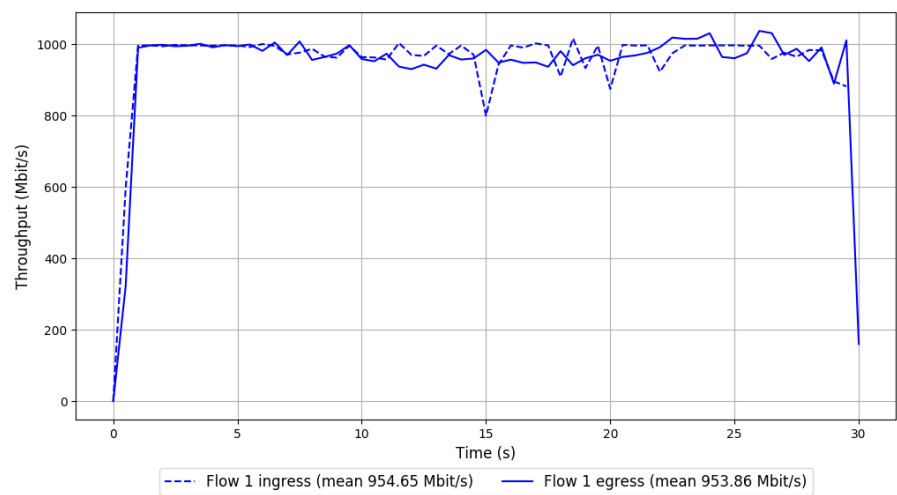
-- Flow 1:

Average throughput: 953.86 Mbit/s

95th percentile per-packet one-way delay: 270.418 ms

Loss rate: 0.08%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-28 04:19:15

End at: 2018-02-28 04:19:45

Below is generated by plot.py at 2018-02-28 07:19:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 955.02 Mbit/s

95th percentile per-packet one-way delay: 138.756 ms

Loss rate: 0.00%

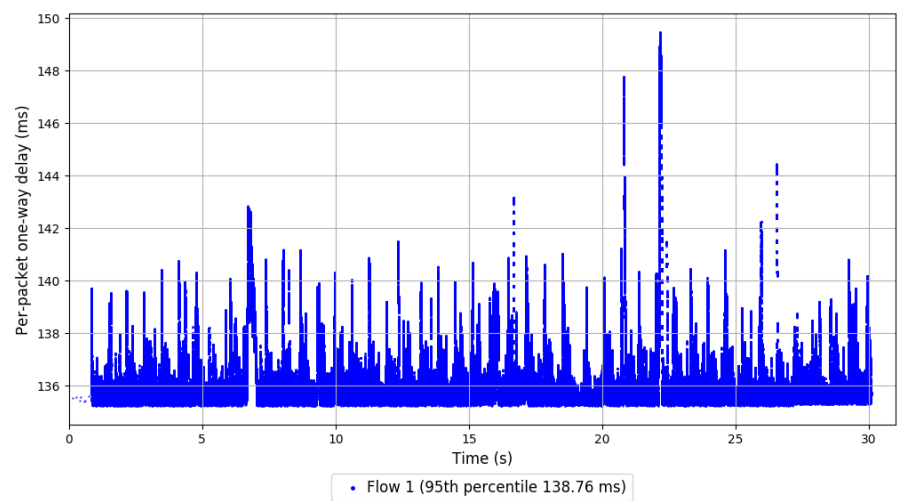
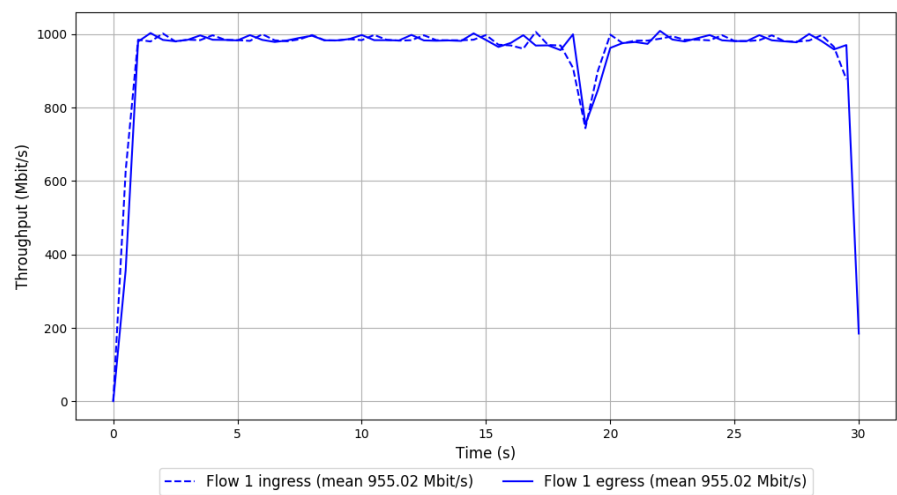
-- Flow 1:

Average throughput: 955.02 Mbit/s

95th percentile per-packet one-way delay: 138.756 ms

Loss rate: 0.00%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-28 04:35:30

End at: 2018-02-28 04:36:00

Below is generated by plot.py at 2018-02-28 07:20:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 970.38 Mbit/s

95th percentile per-packet one-way delay: 138.451 ms

Loss rate: 0.00%

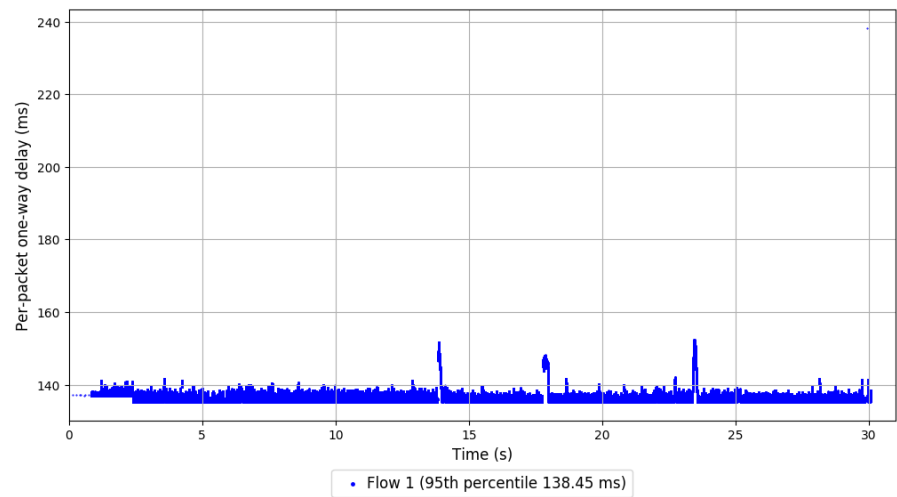
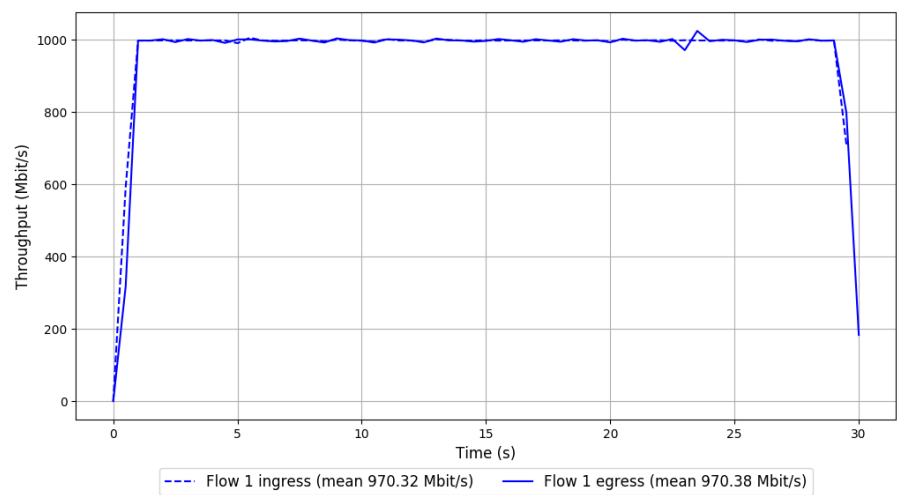
-- Flow 1:

Average throughput: 970.38 Mbit/s

95th percentile per-packet one-way delay: 138.451 ms

Loss rate: 0.00%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-28 04:51:35

End at: 2018-02-28 04:52:05

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 957.63 Mbit/s

95th percentile per-packet one-way delay: 150.745 ms

Loss rate: 0.21%

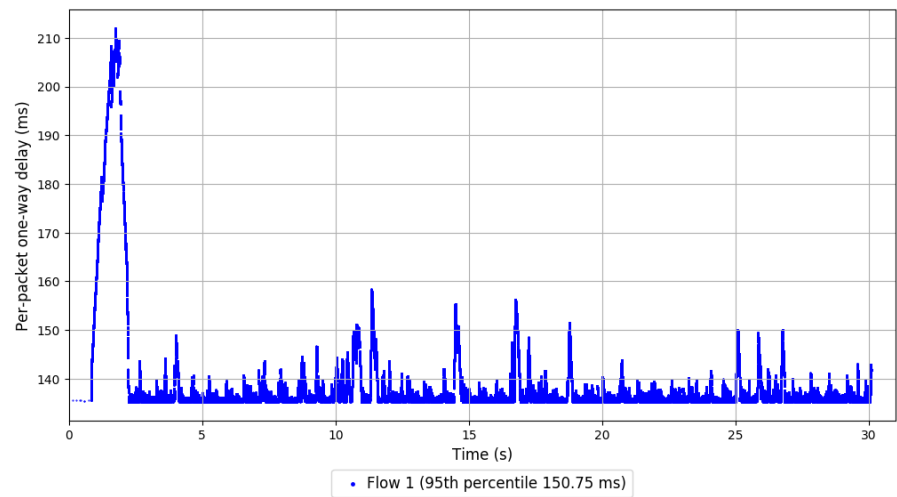
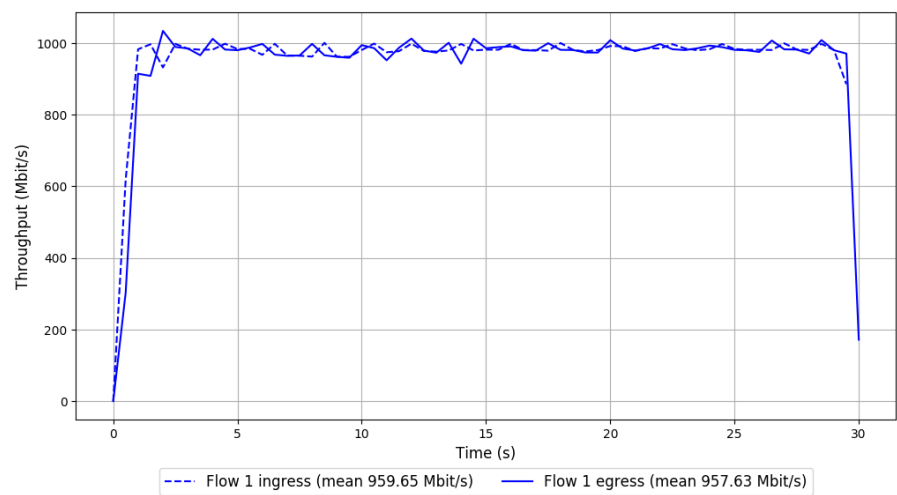
-- Flow 1:

Average throughput: 957.63 Mbit/s

95th percentile per-packet one-way delay: 150.745 ms

Loss rate: 0.21%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-28 05:07:52

End at: 2018-02-28 05:08:22

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 953.42 Mbit/s

95th percentile per-packet one-way delay: 166.016 ms

Loss rate: 0.10%

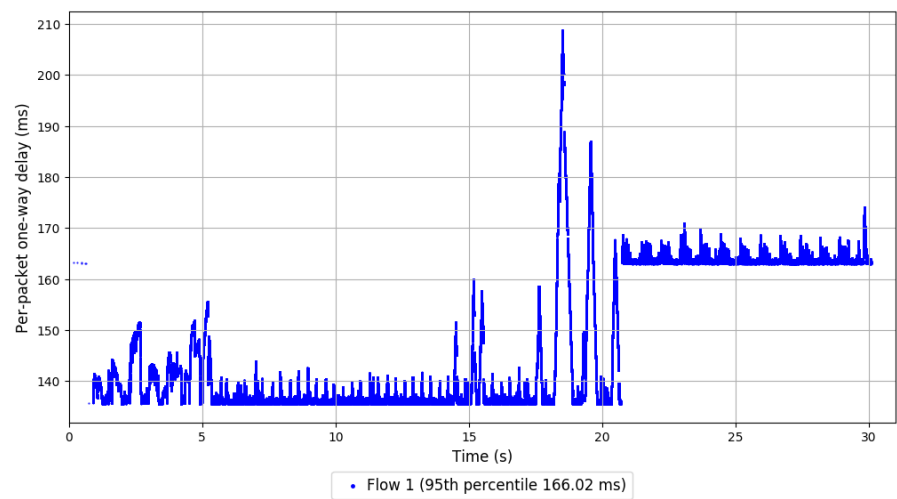
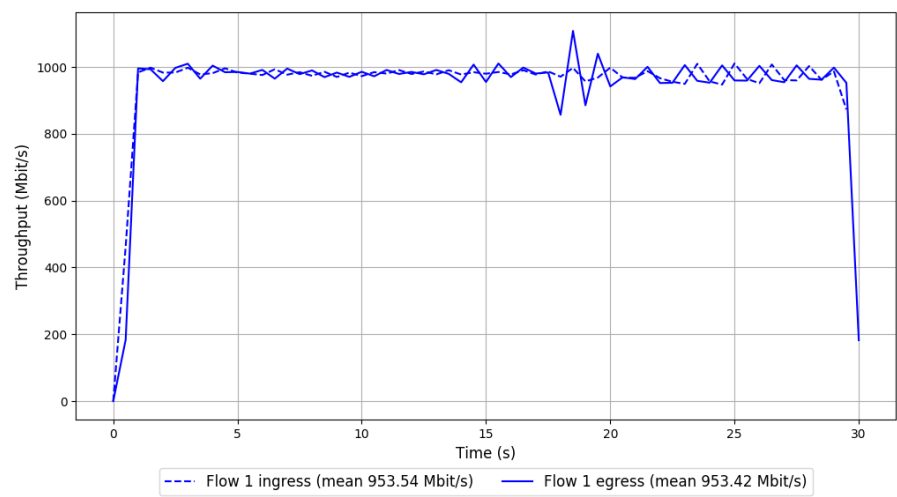
-- Flow 1:

Average throughput: 953.42 Mbit/s

95th percentile per-packet one-way delay: 166.016 ms

Loss rate: 0.10%

Run 10: Report of FillP — Data Link

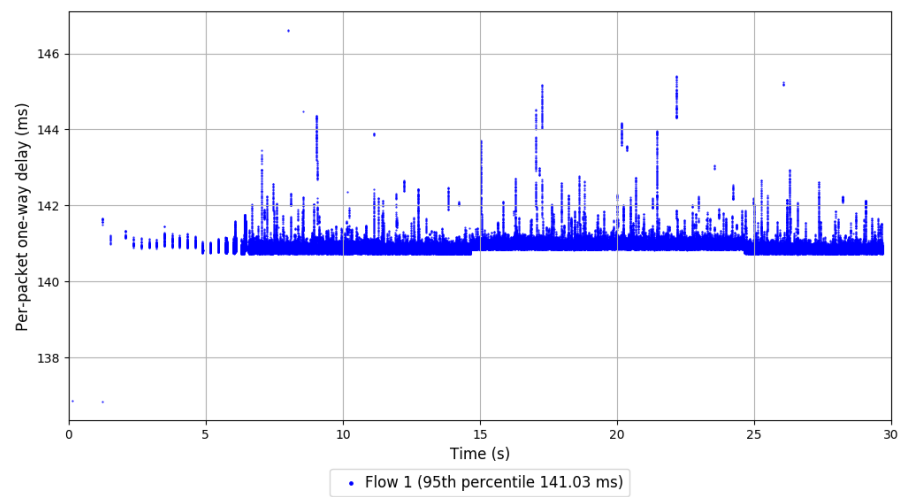
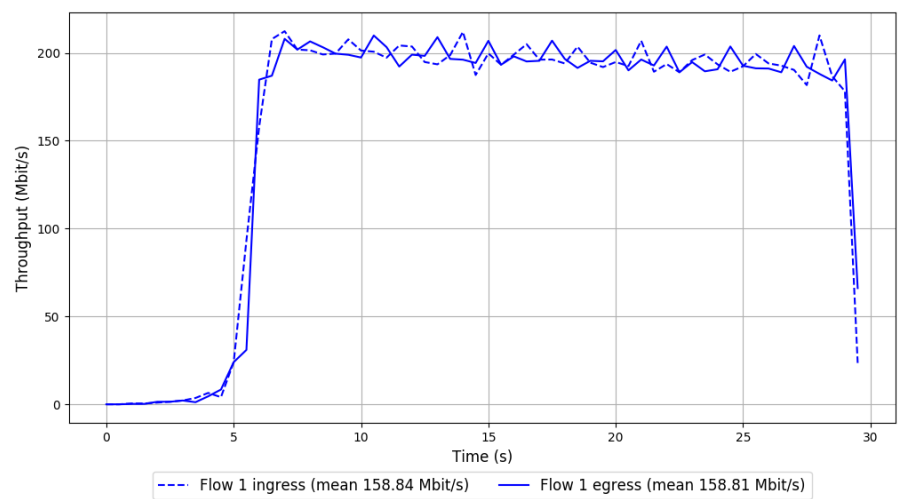


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-28 02:46:07
End at: 2018-02-28 02:46:37

# Below is generated by plot.py at 2018-02-28 07:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.81 Mbit/s
95th percentile per-packet one-way delay: 141.035 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 158.81 Mbit/s
95th percentile per-packet one-way delay: 141.035 ms
Loss rate: 0.03%
```

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

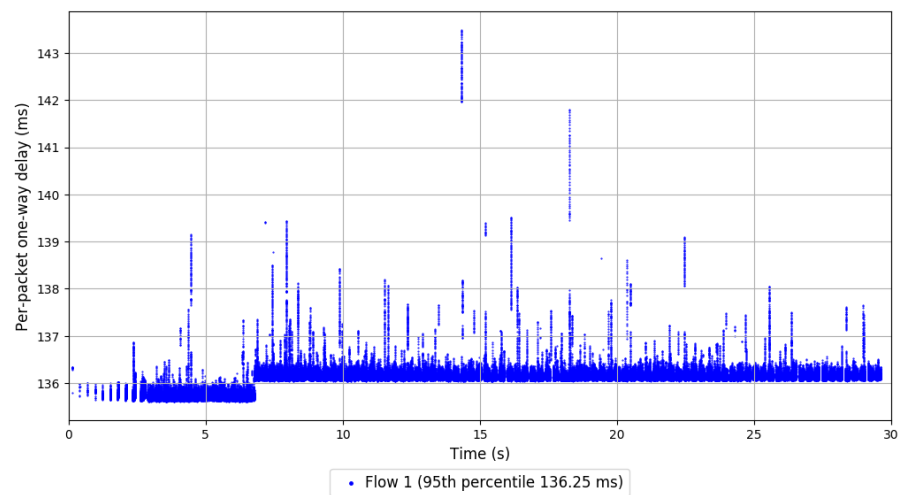
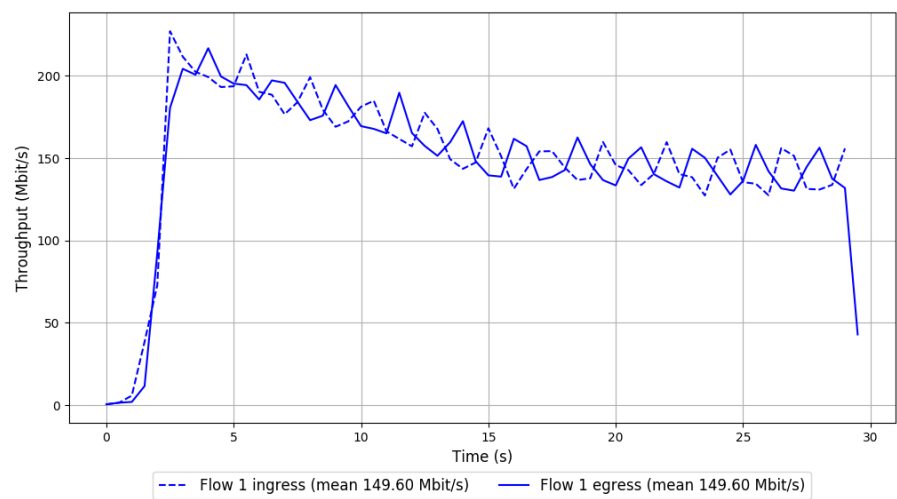


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-02-28 03:01:55
End at: 2018-02-28 03:02:25

# Below is generated by plot.py at 2018-02-28 07:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.60 Mbit/s
95th percentile per-packet one-way delay: 136.245 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.60 Mbit/s
95th percentile per-packet one-way delay: 136.245 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-28 03:18:03

End at: 2018-02-28 03:18:33

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.74 Mbit/s

95th percentile per-packet one-way delay: 136.282 ms

Loss rate: 0.00%

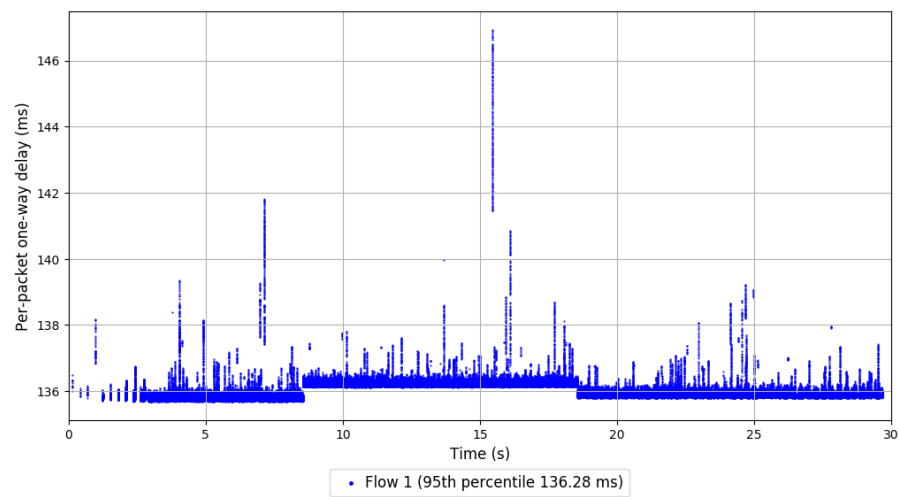
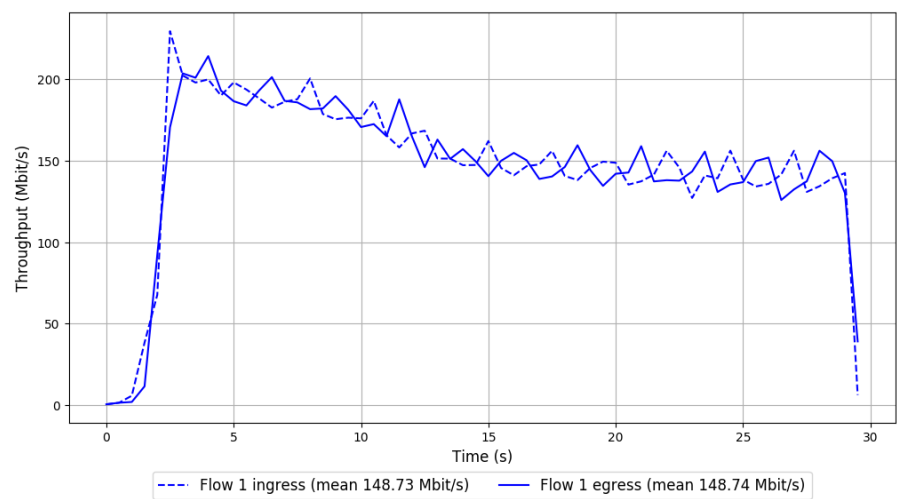
-- Flow 1:

Average throughput: 148.74 Mbit/s

95th percentile per-packet one-way delay: 136.282 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-28 03:34:31

End at: 2018-02-28 03:35:01

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.84 Mbit/s

95th percentile per-packet one-way delay: 136.301 ms

Loss rate: 0.00%

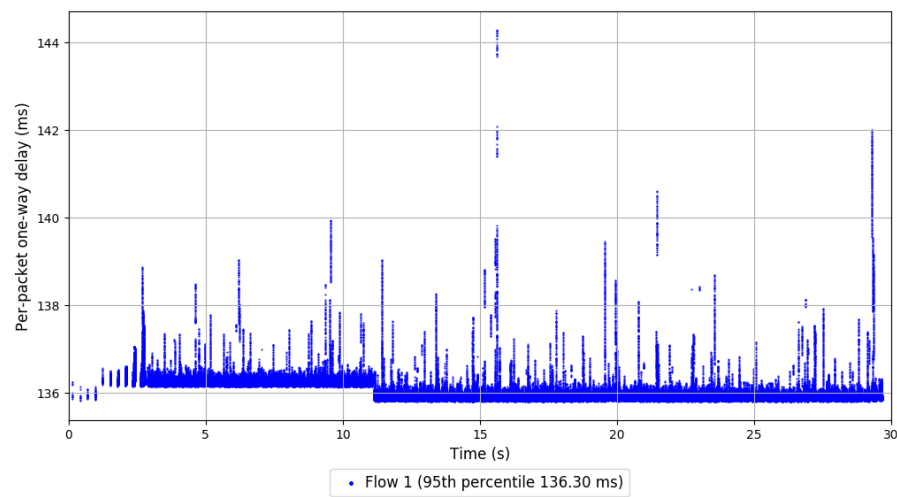
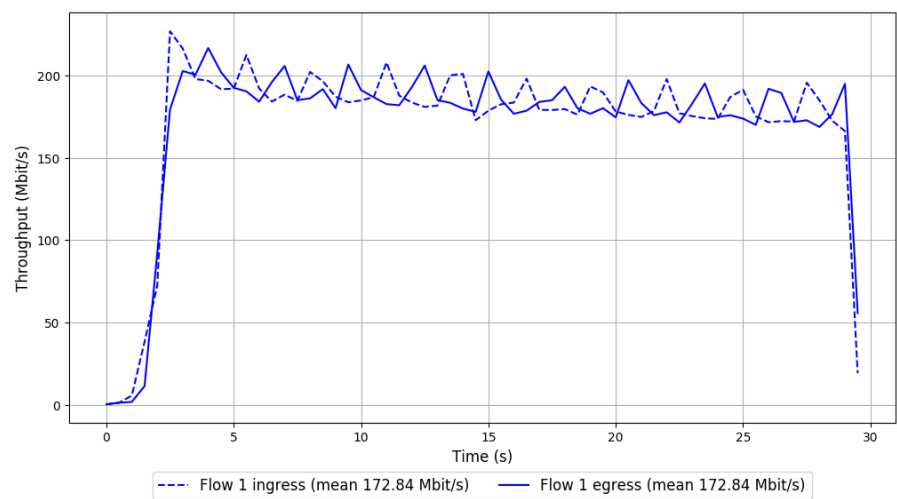
-- Flow 1:

Average throughput: 172.84 Mbit/s

95th percentile per-packet one-way delay: 136.301 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-28 03:50:31

End at: 2018-02-28 03:51:01

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.98 Mbit/s

95th percentile per-packet one-way delay: 136.373 ms

Loss rate: 0.00%

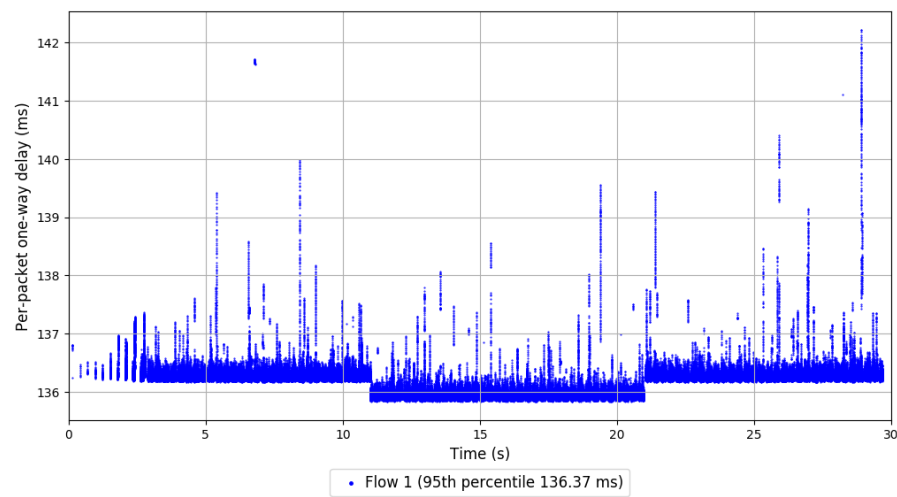
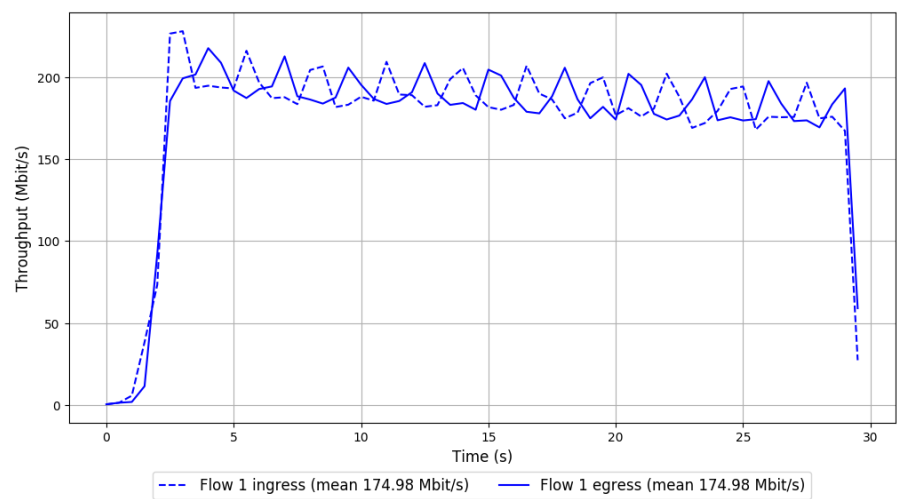
-- Flow 1:

Average throughput: 174.98 Mbit/s

95th percentile per-packet one-way delay: 136.373 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-28 04:06:55

End at: 2018-02-28 04:07:25

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.04 Mbit/s

95th percentile per-packet one-way delay: 136.343 ms

Loss rate: 0.00%

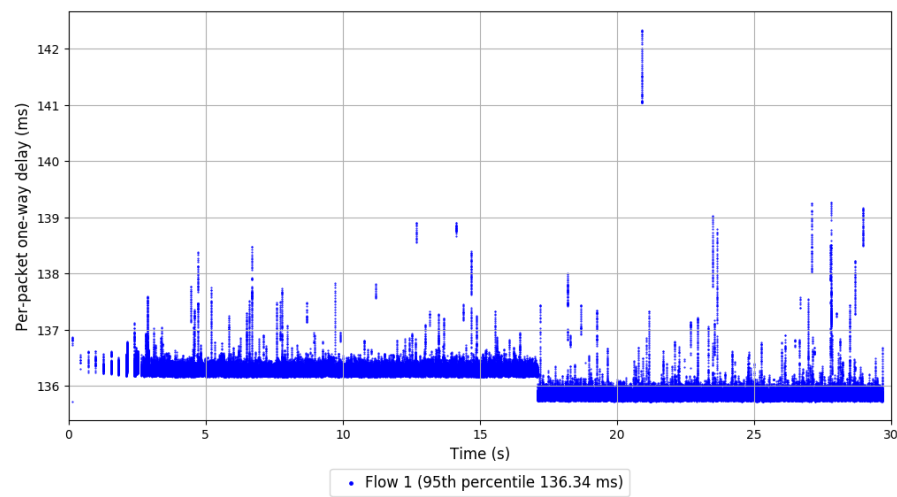
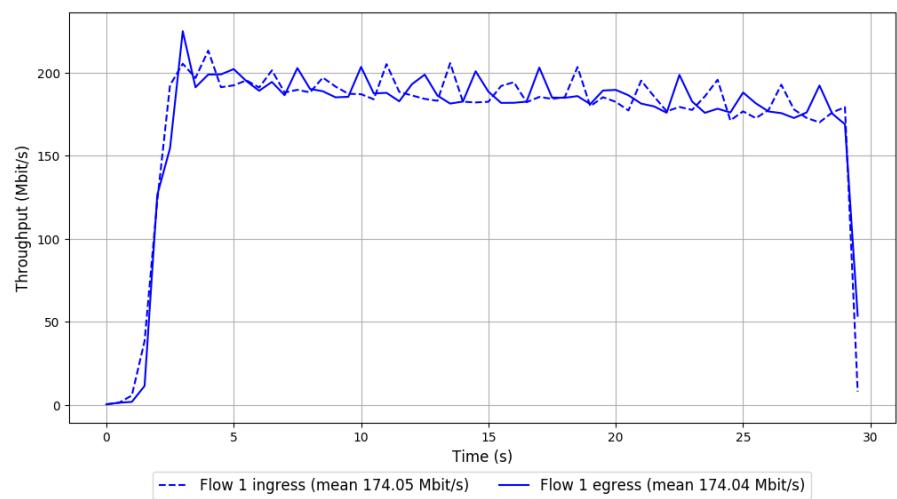
-- Flow 1:

Average throughput: 174.04 Mbit/s

95th percentile per-packet one-way delay: 136.343 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-28 04:22:56

End at: 2018-02-28 04:23:26

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.55 Mbit/s

95th percentile per-packet one-way delay: 136.448 ms

Loss rate: 0.01%

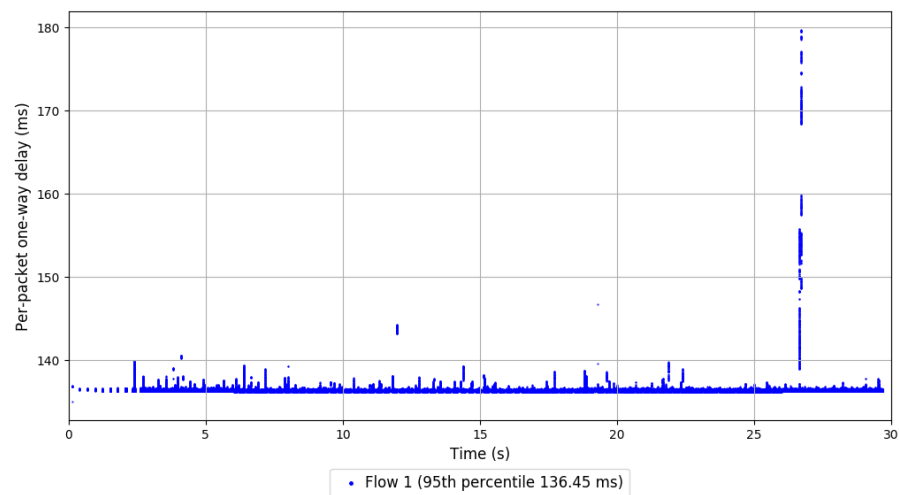
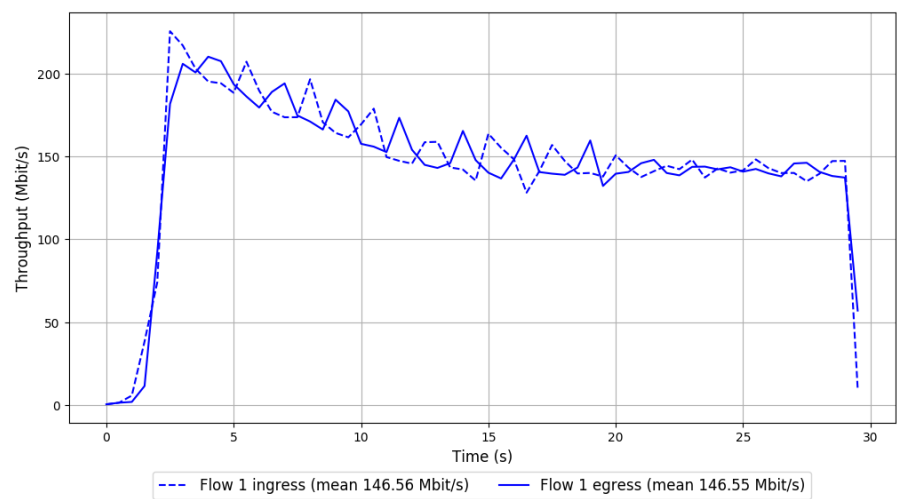
-- Flow 1:

Average throughput: 146.55 Mbit/s

95th percentile per-packet one-way delay: 136.448 ms

Loss rate: 0.01%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-28 04:39:10

End at: 2018-02-28 04:39:40

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.45 Mbit/s

95th percentile per-packet one-way delay: 136.463 ms

Loss rate: 0.00%

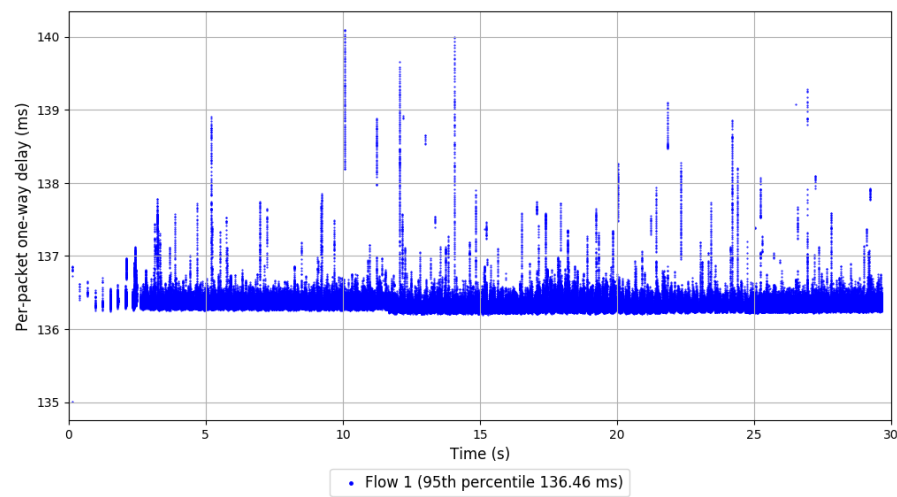
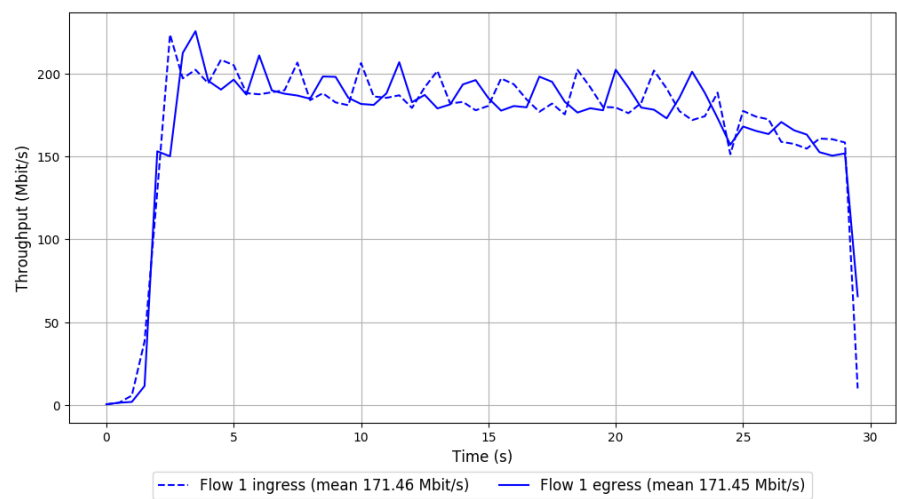
-- Flow 1:

Average throughput: 171.45 Mbit/s

95th percentile per-packet one-way delay: 136.463 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-28 04:55:14

End at: 2018-02-28 04:55:44

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.08 Mbit/s

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

Loss rate: 0.00%

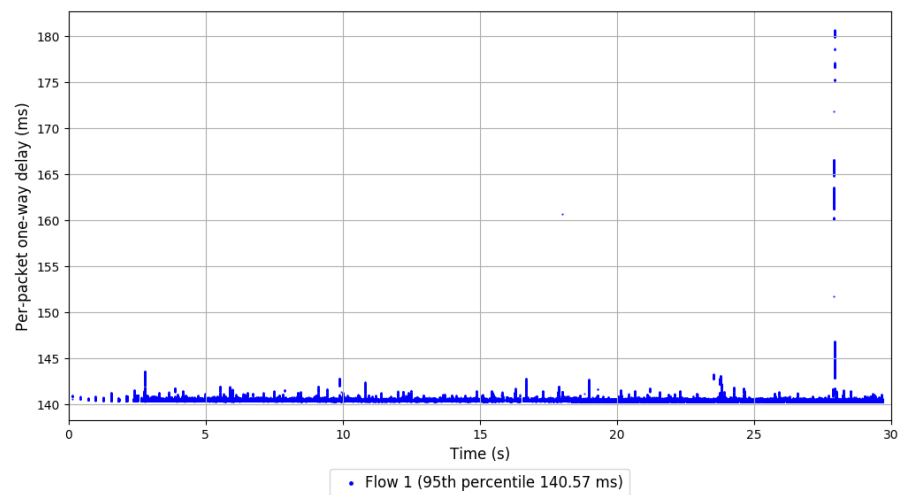
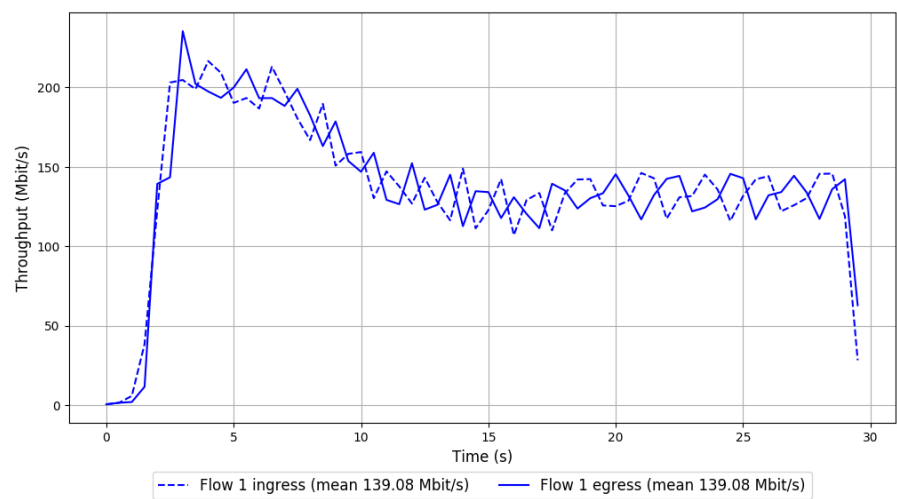
-- Flow 1:

Average throughput: 139.08 Mbit/s

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

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-28 05:11:33

End at: 2018-02-28 05:12:03

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.38 Mbit/s

95th percentile per-packet one-way delay: 140.580 ms

Loss rate: 0.03%

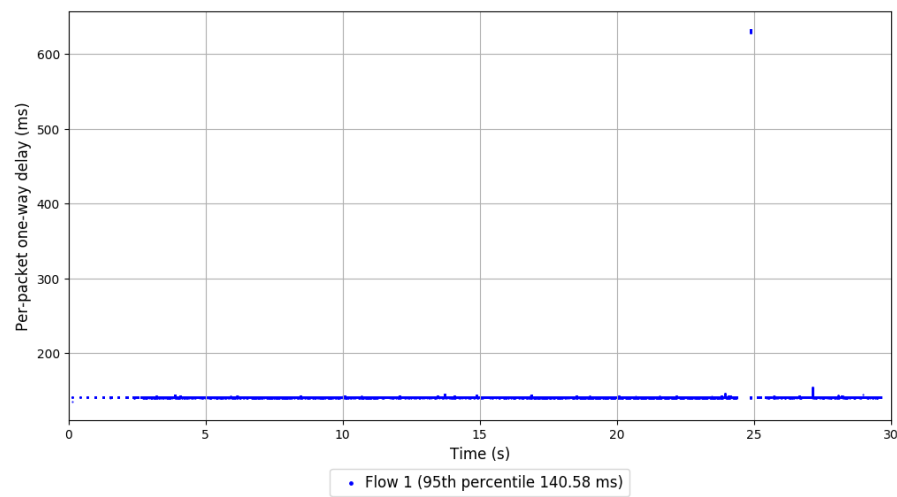
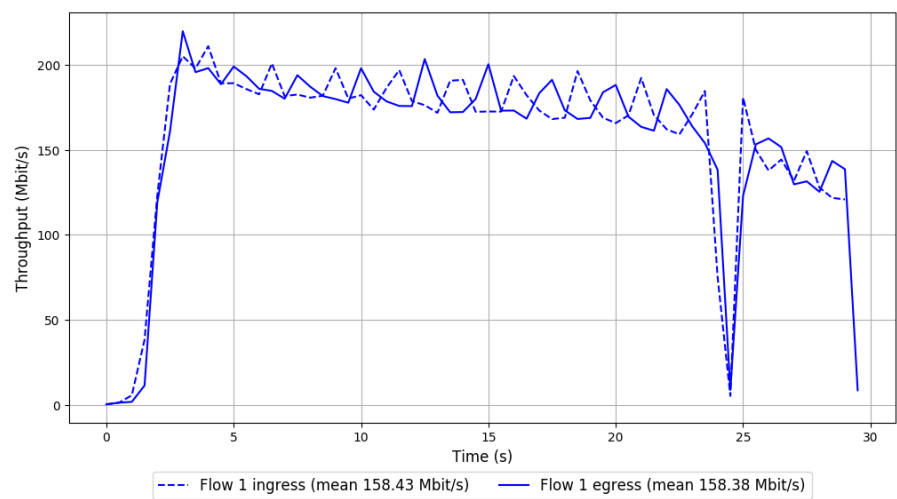
-- Flow 1:

Average throughput: 158.38 Mbit/s

95th percentile per-packet one-way delay: 140.580 ms

Loss rate: 0.03%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-28 02:51:11

End at: 2018-02-28 02:51:41

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 372.19 Mbit/s

95th percentile per-packet one-way delay: 141.094 ms

Loss rate: 0.00%

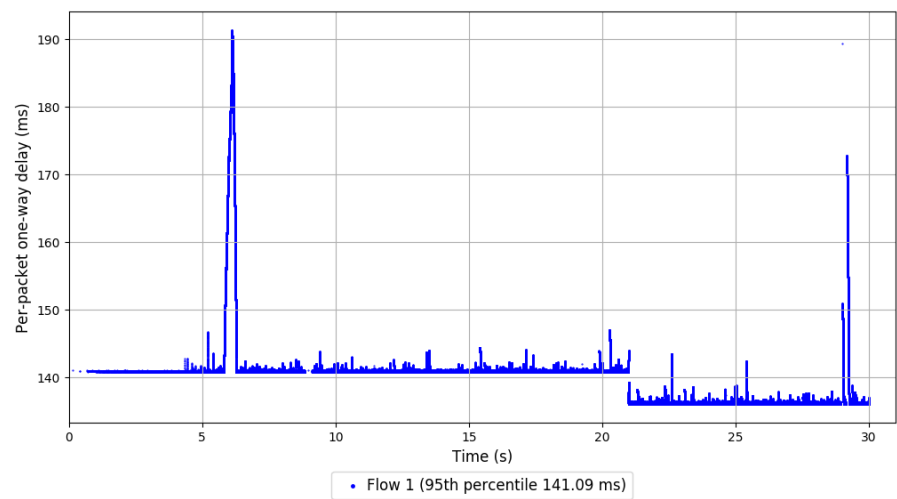
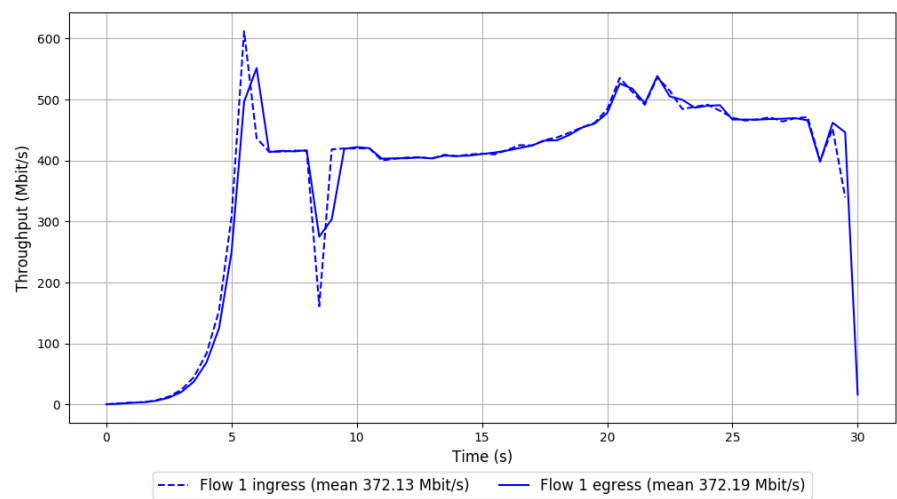
-- Flow 1:

Average throughput: 372.19 Mbit/s

95th percentile per-packet one-way delay: 141.094 ms

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-28 03:07:29

End at: 2018-02-28 03:08:00

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.06 Mbit/s

95th percentile per-packet one-way delay: 138.024 ms

Loss rate: 0.00%

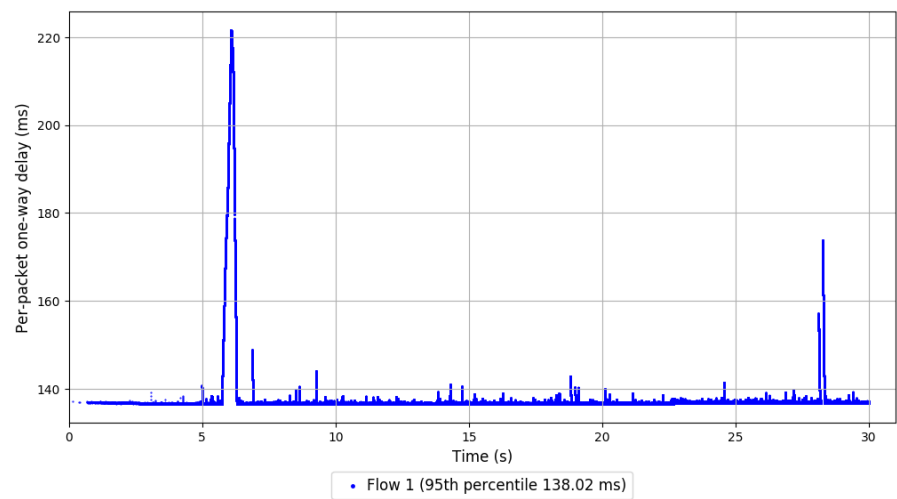
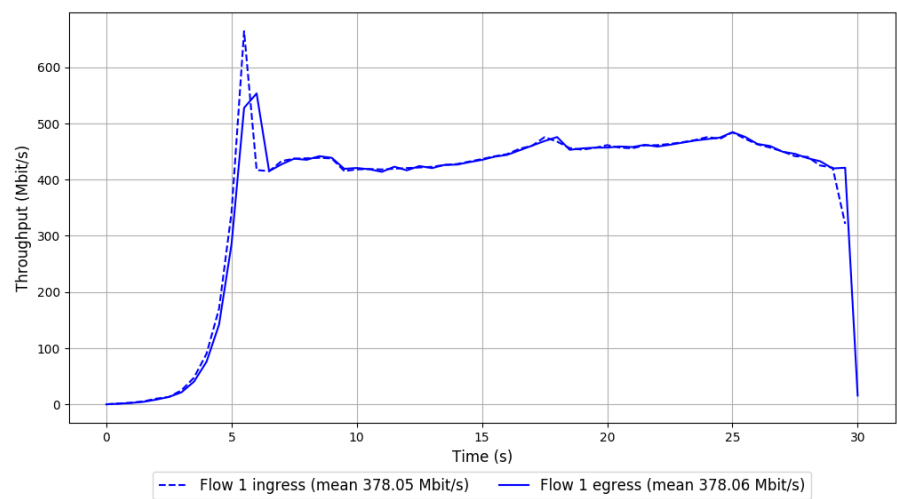
-- Flow 1:

Average throughput: 378.06 Mbit/s

95th percentile per-packet one-way delay: 138.024 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-28 03:23:38

End at: 2018-02-28 03:24:08

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.24 Mbit/s

95th percentile per-packet one-way delay: 141.091 ms

Loss rate: 0.00%

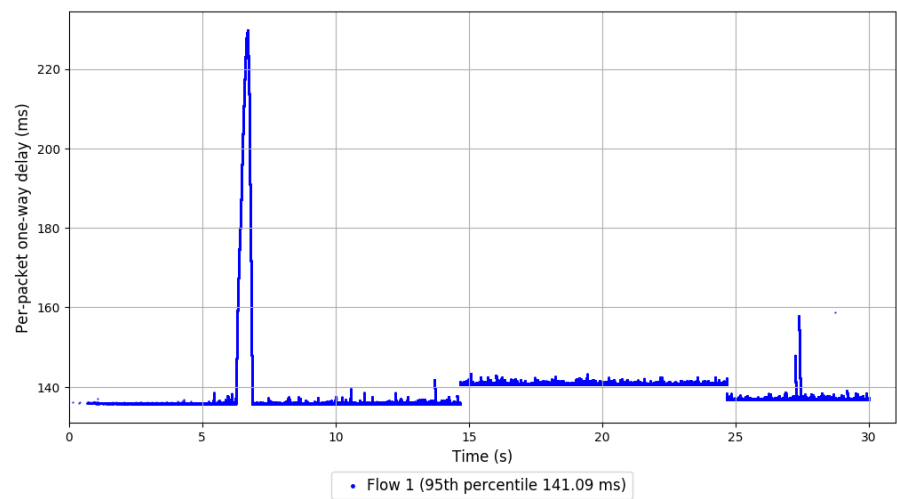
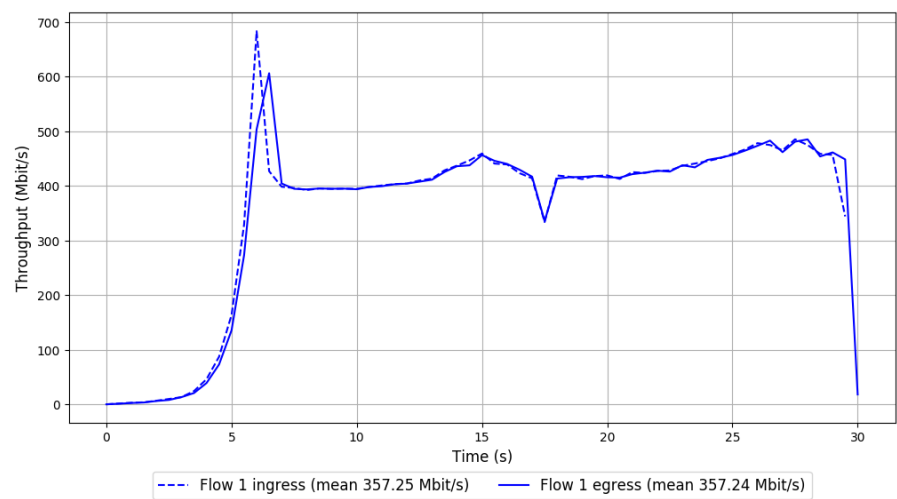
-- Flow 1:

Average throughput: 357.24 Mbit/s

95th percentile per-packet one-way delay: 141.091 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-28 03:40:00

End at: 2018-02-28 03:40:30

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.25 Mbit/s

95th percentile per-packet one-way delay: 136.417 ms

Loss rate: 0.00%

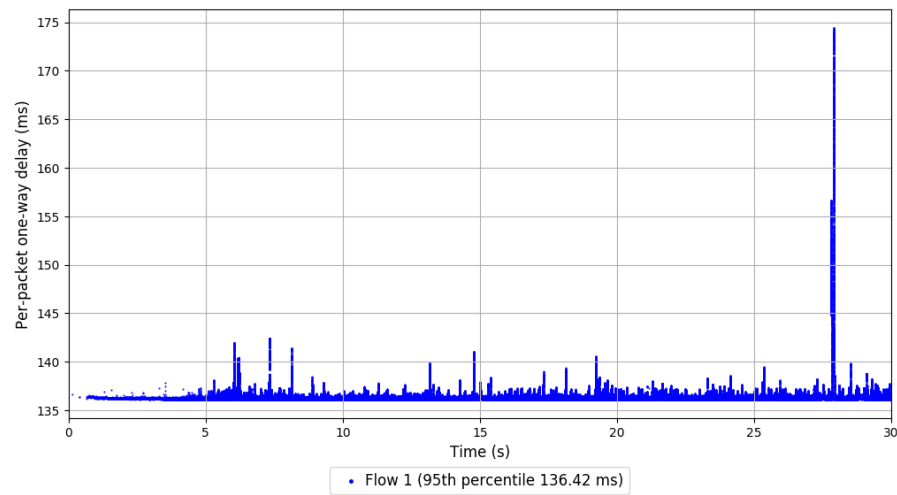
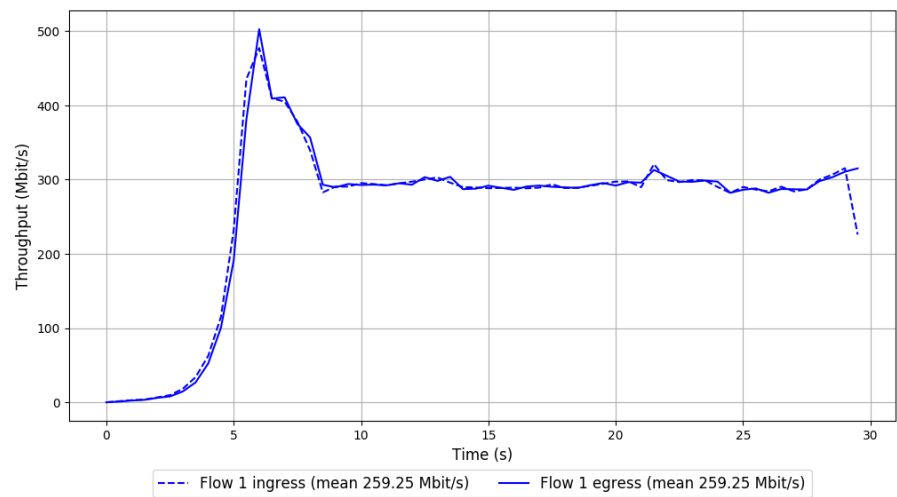
-- Flow 1:

Average throughput: 259.25 Mbit/s

95th percentile per-packet one-way delay: 136.417 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-28 03:56:03

End at: 2018-02-28 03:56:33

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.83 Mbit/s

95th percentile per-packet one-way delay: 137.080 ms

Loss rate: 0.00%

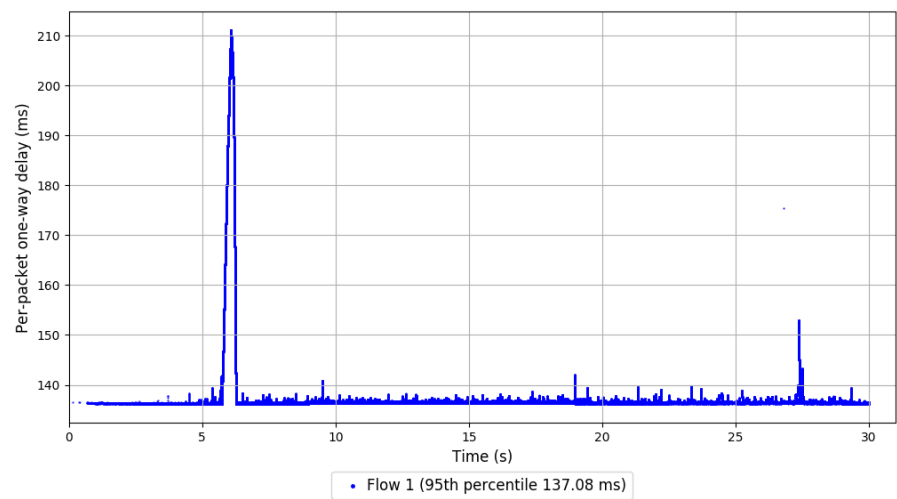
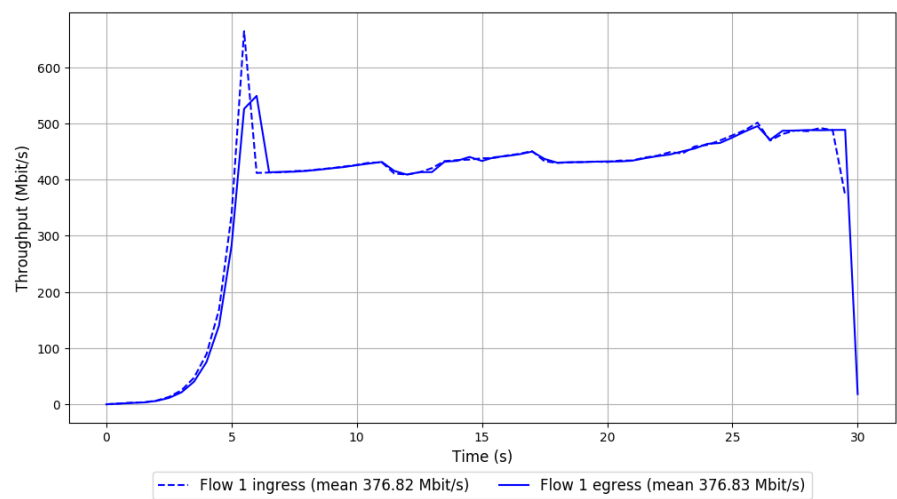
-- Flow 1:

Average throughput: 376.83 Mbit/s

95th percentile per-packet one-way delay: 137.080 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-28 04:12:23

End at: 2018-02-28 04:12:53

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.12 Mbit/s

95th percentile per-packet one-way delay: 136.104 ms

Loss rate: 0.00%

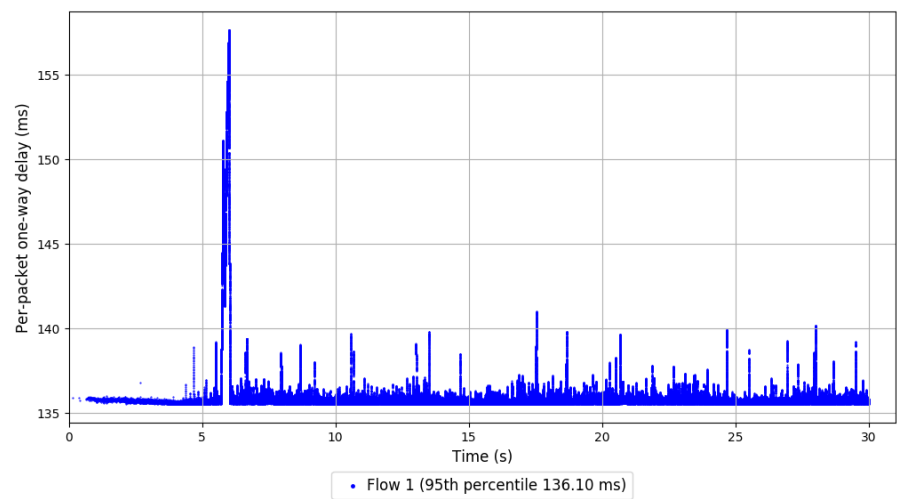
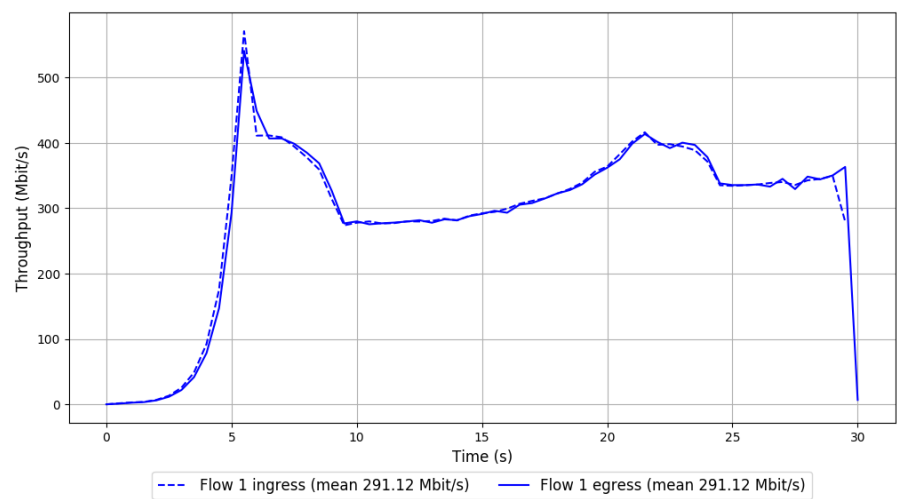
-- Flow 1:

Average throughput: 291.12 Mbit/s

95th percentile per-packet one-way delay: 136.104 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-28 04:28:28

End at: 2018-02-28 04:28:58

Below is generated by plot.py at 2018-02-28 07:35:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 381.58 Mbit/s

95th percentile per-packet one-way delay: 136.775 ms

Loss rate: 0.00%

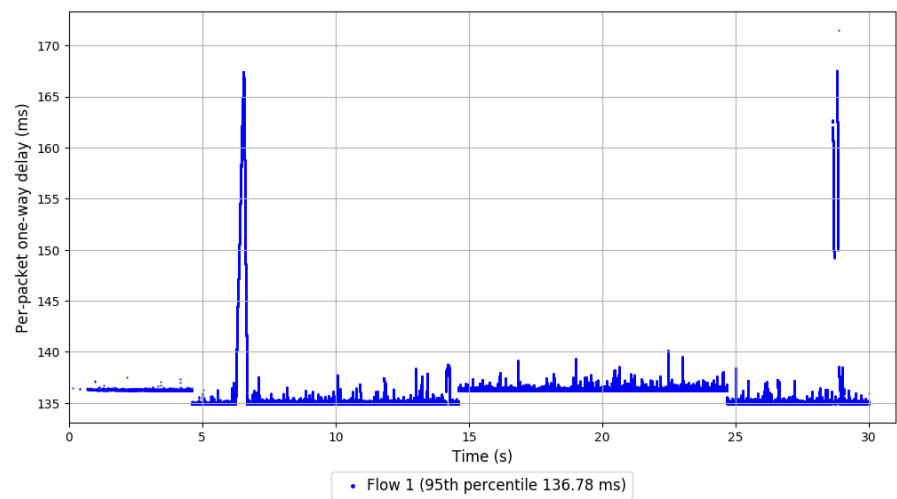
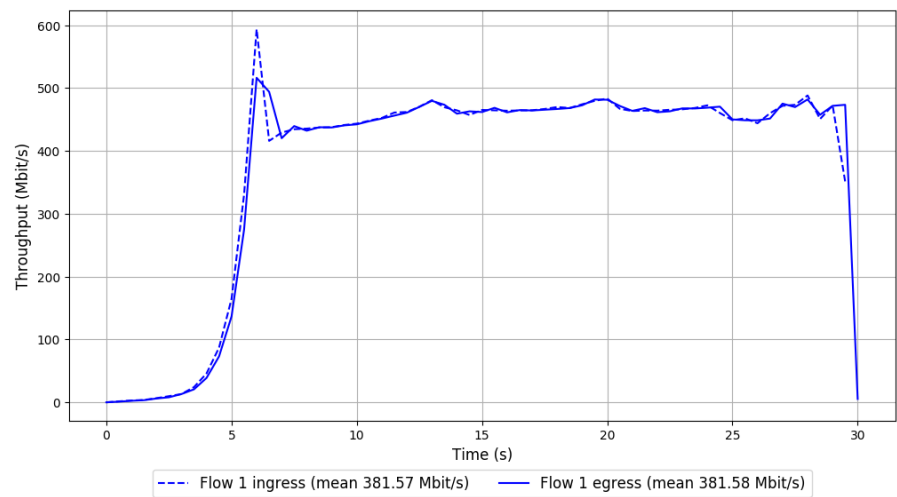
-- Flow 1:

Average throughput: 381.58 Mbit/s

95th percentile per-packet one-way delay: 136.775 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-28 04:44:42

End at: 2018-02-28 04:45:12

Below is generated by plot.py at 2018-02-28 07:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.31 Mbit/s

95th percentile per-packet one-way delay: 135.690 ms

Loss rate: 0.00%

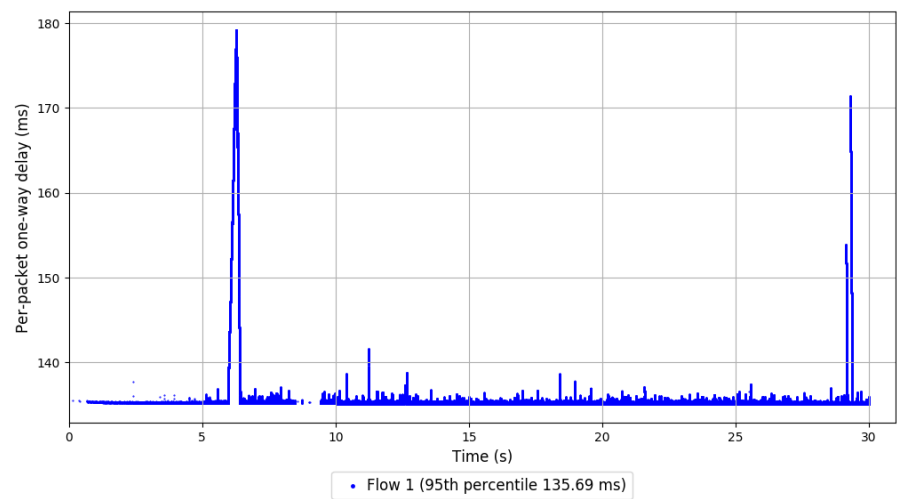
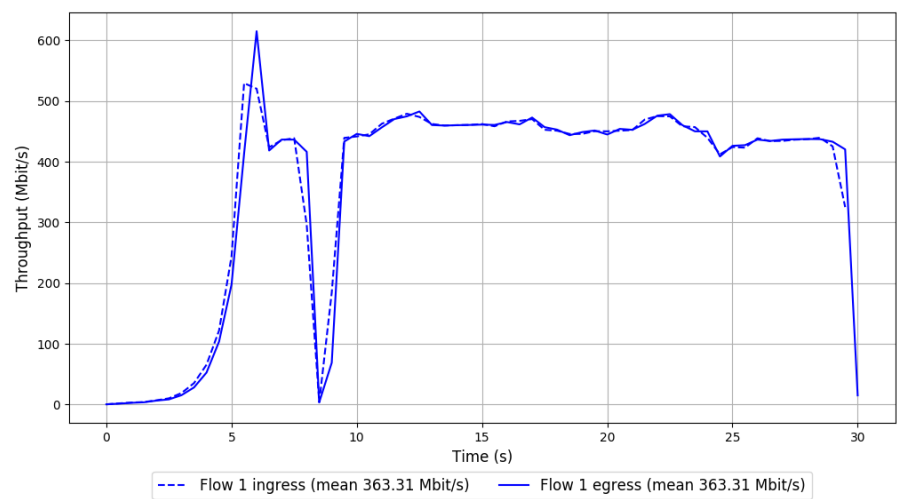
-- Flow 1:

Average throughput: 363.31 Mbit/s

95th percentile per-packet one-way delay: 135.690 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-28 05:00:50

End at: 2018-02-28 05:01:20

Below is generated by plot.py at 2018-02-28 07:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.65 Mbit/s

95th percentile per-packet one-way delay: 138.604 ms

Loss rate: 0.14%

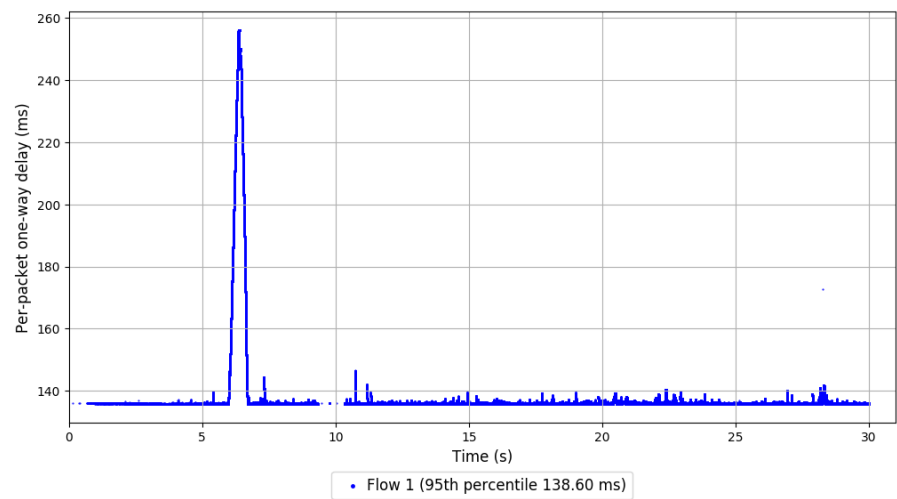
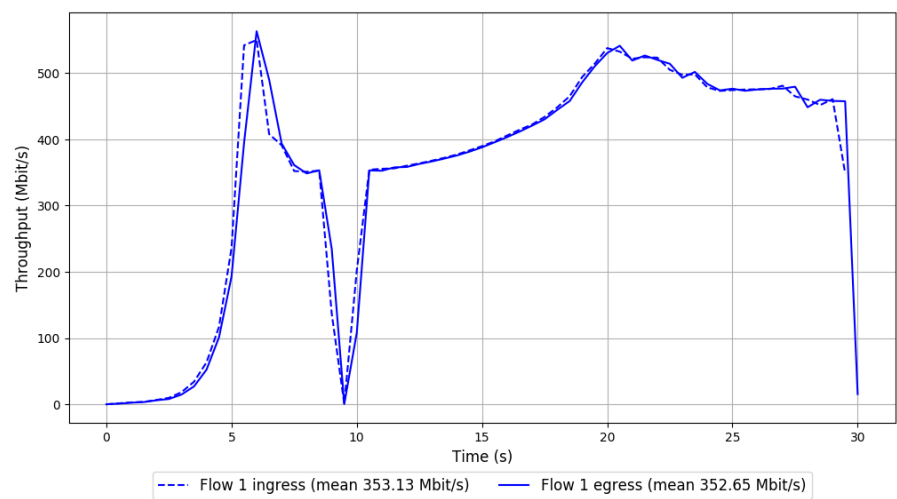
-- Flow 1:

Average throughput: 352.65 Mbit/s

95th percentile per-packet one-way delay: 138.604 ms

Loss rate: 0.14%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-28 05:17:10

End at: 2018-02-28 05:17:40

Below is generated by plot.py at 2018-02-28 07:36:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.53 Mbit/s

95th percentile per-packet one-way delay: 164.109 ms

Loss rate: 0.00%

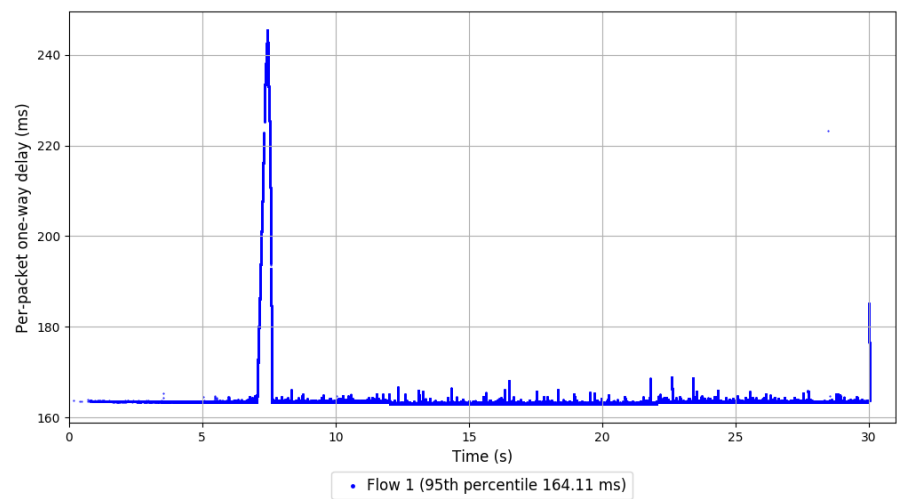
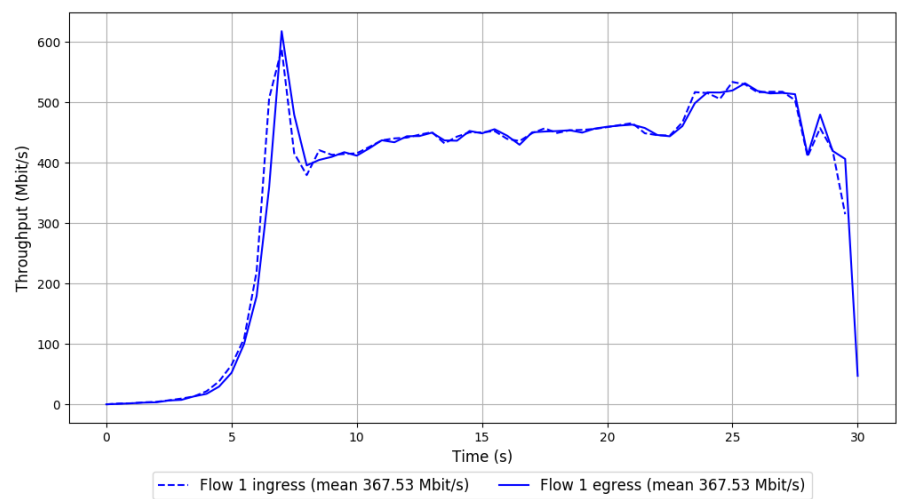
-- Flow 1:

Average throughput: 367.53 Mbit/s

95th percentile per-packet one-way delay: 164.109 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

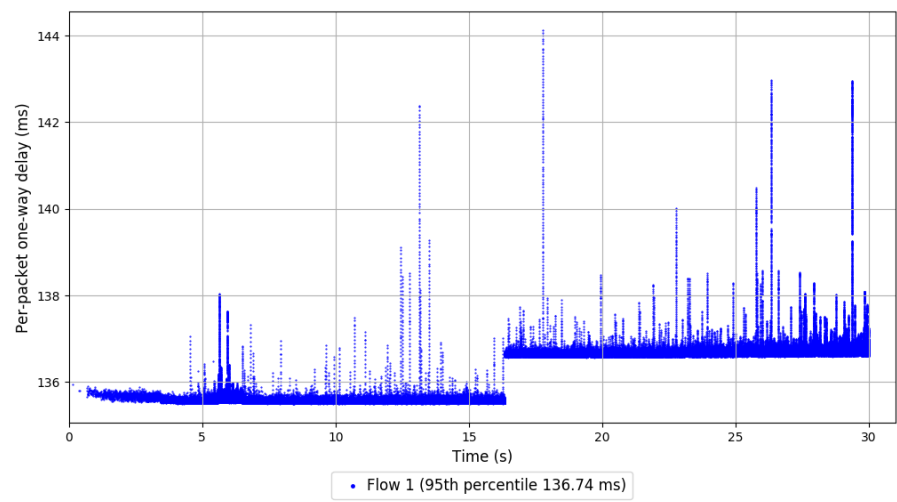
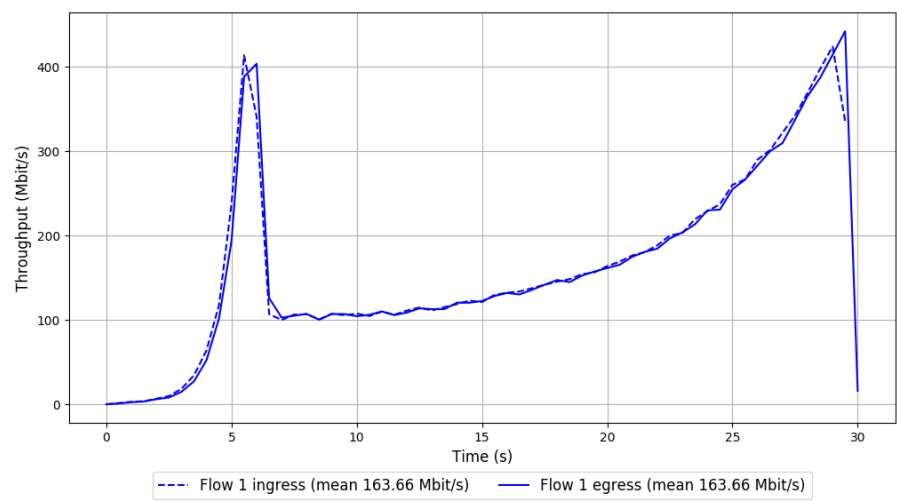


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-28 02:50:16
End at: 2018-02-28 02:50:46

# Below is generated by plot.py at 2018-02-28 07:36:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.66 Mbit/s
95th percentile per-packet one-way delay: 136.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 163.66 Mbit/s
95th percentile per-packet one-way delay: 136.737 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-28 03:06:18

End at: 2018-02-28 03:06:48

Below is generated by plot.py at 2018-02-28 07:37:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.67 Mbit/s

95th percentile per-packet one-way delay: 160.518 ms

Loss rate: 0.00%

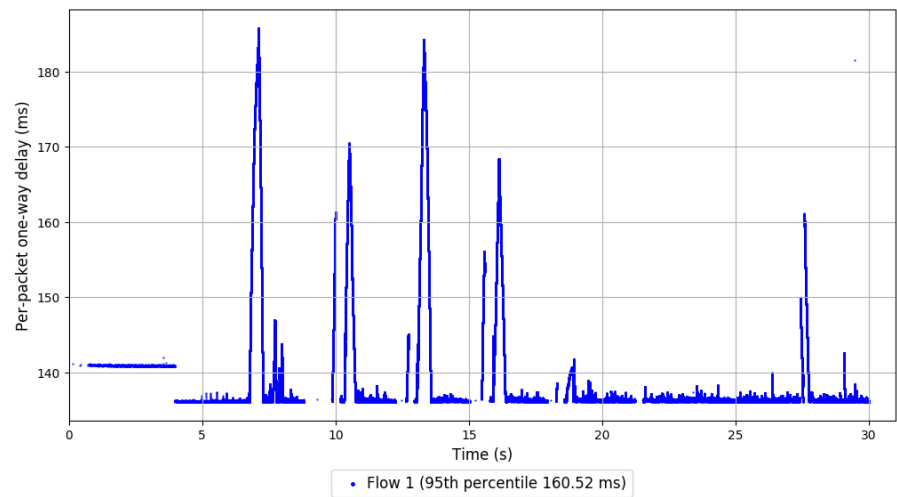
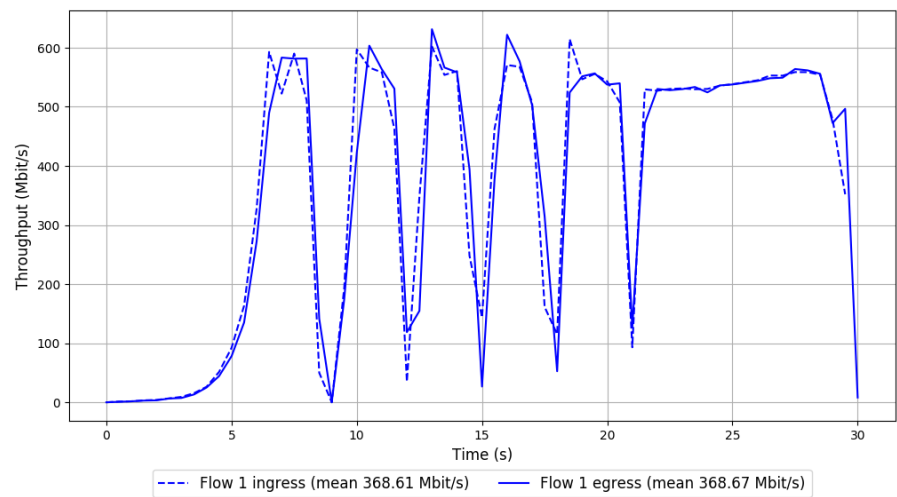
-- Flow 1:

Average throughput: 368.67 Mbit/s

95th percentile per-packet one-way delay: 160.518 ms

Loss rate: 0.00%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-28 03:22:27

End at: 2018-02-28 03:22:57

Below is generated by plot.py at 2018-02-28 07:39:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.80 Mbit/s

95th percentile per-packet one-way delay: 148.787 ms

Loss rate: 0.00%

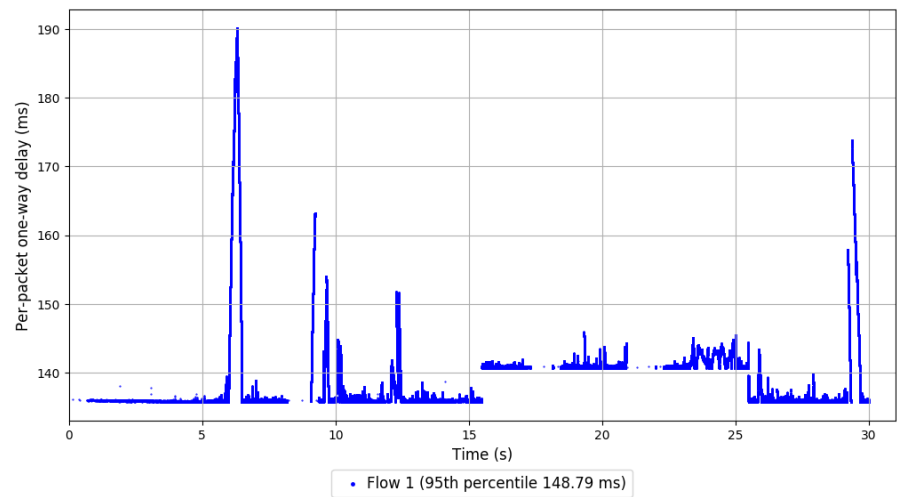
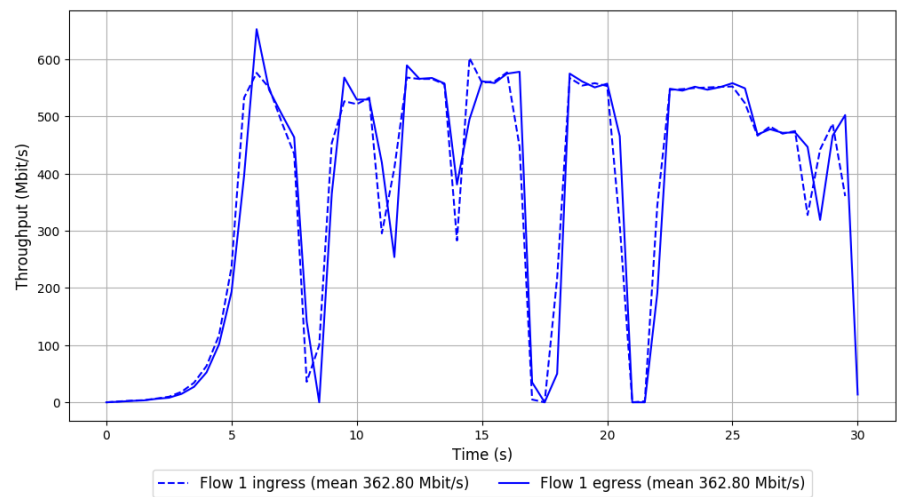
-- Flow 1:

Average throughput: 362.80 Mbit/s

95th percentile per-packet one-way delay: 148.787 ms

Loss rate: 0.00%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-28 03:38:53

End at: 2018-02-28 03:39:23

Below is generated by plot.py at 2018-02-28 07:39:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.00 Mbit/s

95th percentile per-packet one-way delay: 136.919 ms

Loss rate: 0.00%

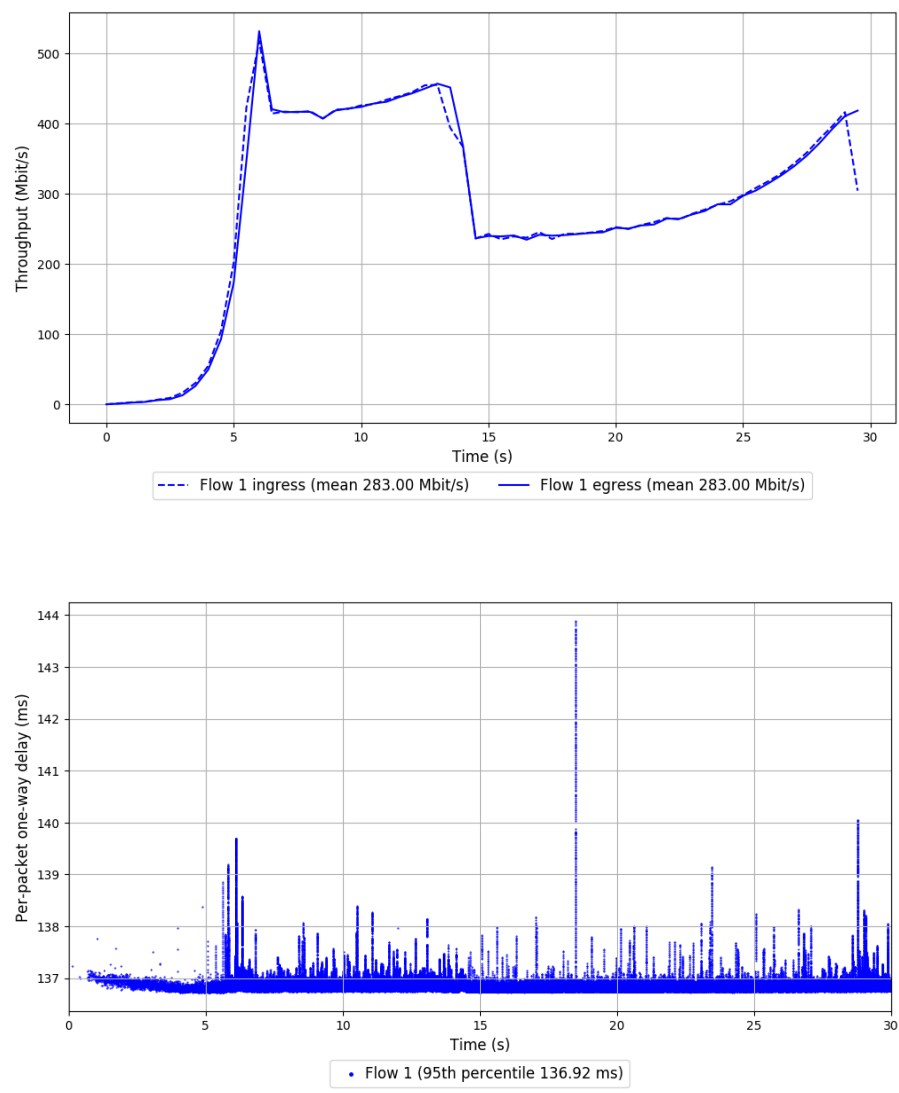
-- Flow 1:

Average throughput: 283.00 Mbit/s

95th percentile per-packet one-way delay: 136.919 ms

Loss rate: 0.00%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-28 03:54:55

End at: 2018-02-28 03:55:25

Below is generated by plot.py at 2018-02-28 07:41:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.51 Mbit/s

95th percentile per-packet one-way delay: 161.189 ms

Loss rate: 0.00%

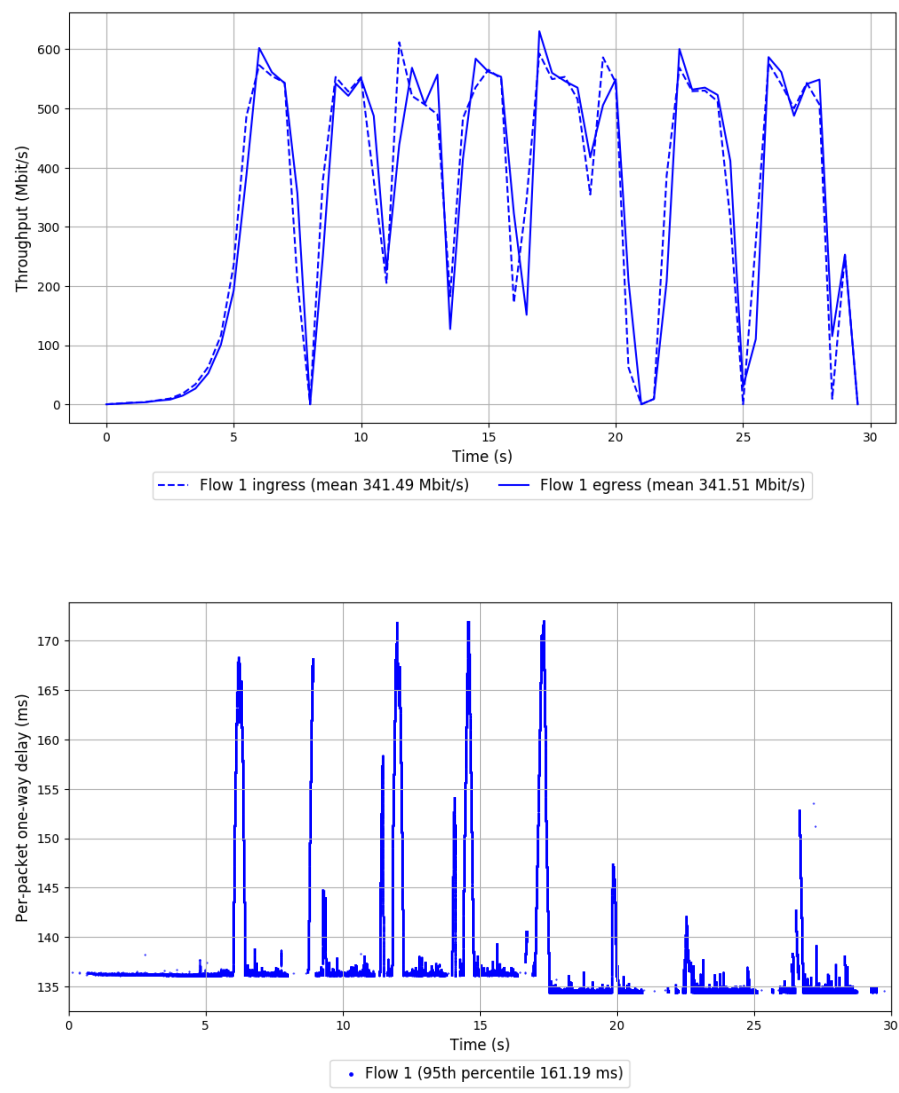
-- Flow 1:

Average throughput: 341.51 Mbit/s

95th percentile per-packet one-way delay: 161.189 ms

Loss rate: 0.00%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-28 04:11:11

End at: 2018-02-28 04:11:41

Below is generated by plot.py at 2018-02-28 07:42:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.80 Mbit/s

95th percentile per-packet one-way delay: 136.194 ms

Loss rate: 0.00%

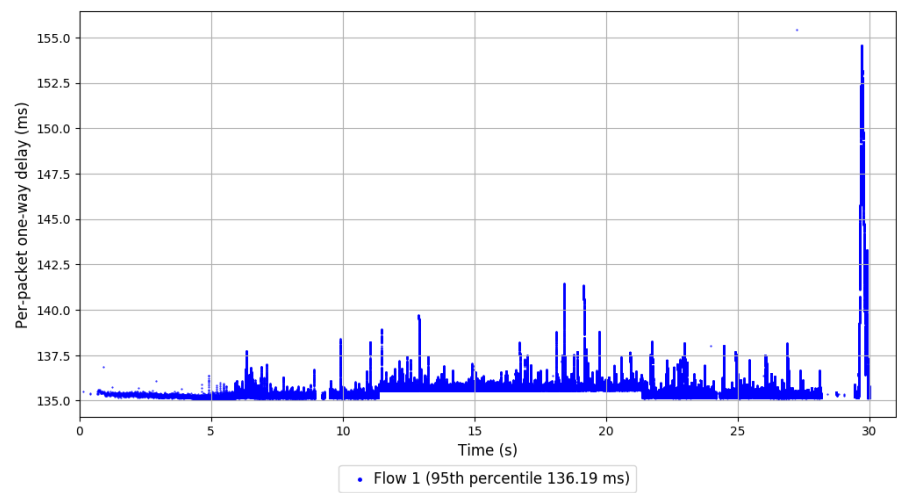
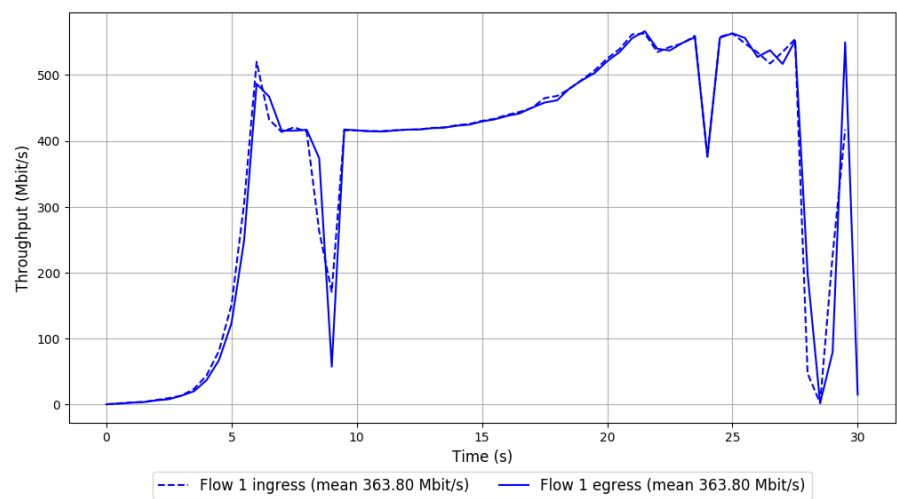
-- Flow 1:

Average throughput: 363.80 Mbit/s

95th percentile per-packet one-way delay: 136.194 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-28 04:27:25

End at: 2018-02-28 04:27:55

Below is generated by plot.py at 2018-02-28 07:42:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.29 Mbit/s

95th percentile per-packet one-way delay: 135.444 ms

Loss rate: 0.00%

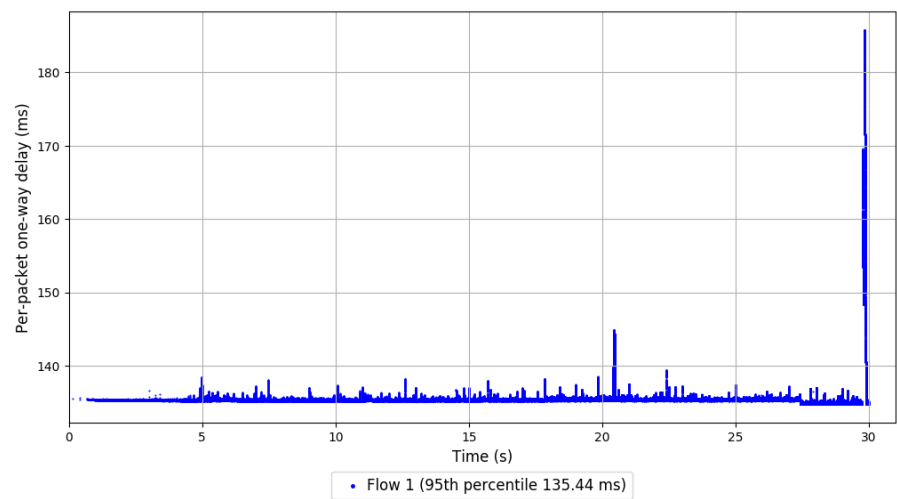
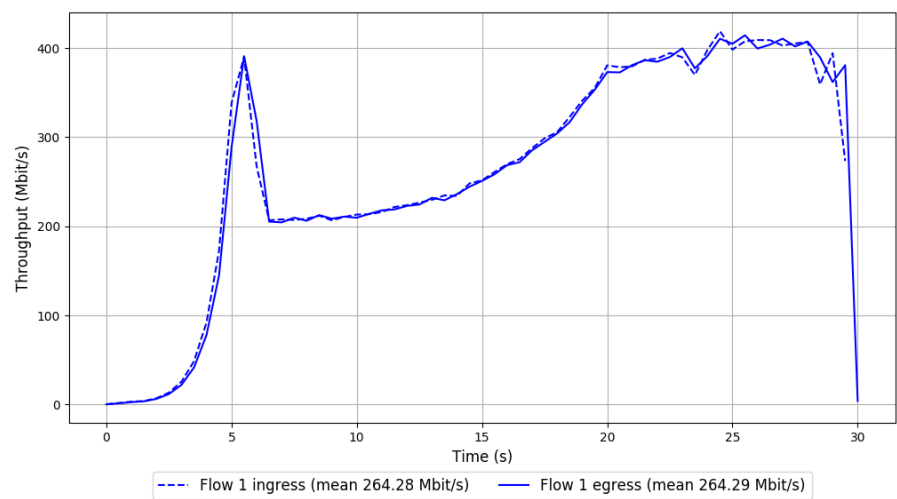
-- Flow 1:

Average throughput: 264.29 Mbit/s

95th percentile per-packet one-way delay: 135.444 ms

Loss rate: 0.00%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-28 04:43:32

End at: 2018-02-28 04:44:02

Below is generated by plot.py at 2018-02-28 07:42:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.36 Mbit/s

95th percentile per-packet one-way delay: 141.364 ms

Loss rate: 0.01%

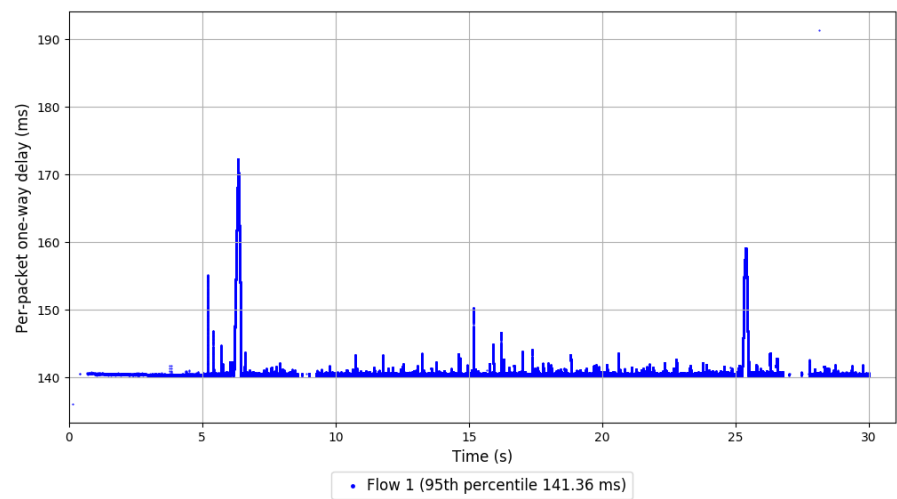
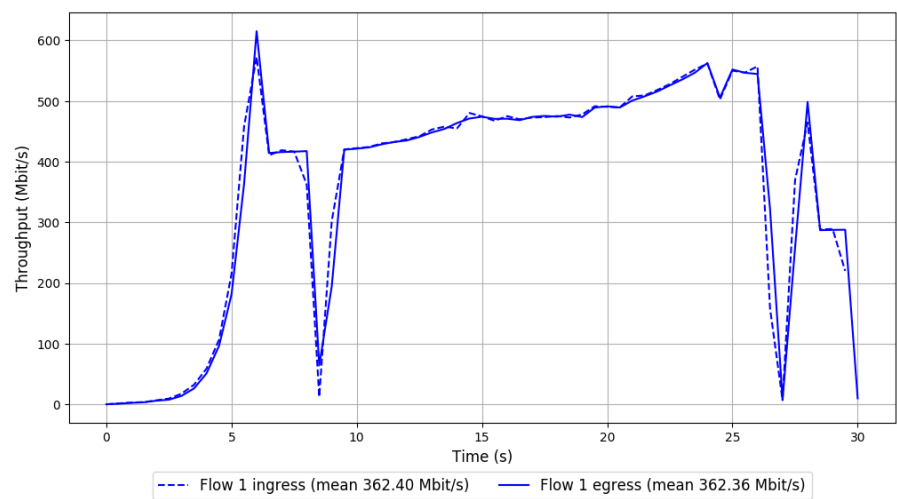
-- Flow 1:

Average throughput: 362.36 Mbit/s

95th percentile per-packet one-way delay: 141.364 ms

Loss rate: 0.01%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-28 04:59:38

End at: 2018-02-28 05:00:08

Below is generated by plot.py at 2018-02-28 07:42:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.42 Mbit/s

95th percentile per-packet one-way delay: 136.491 ms

Loss rate: 0.02%

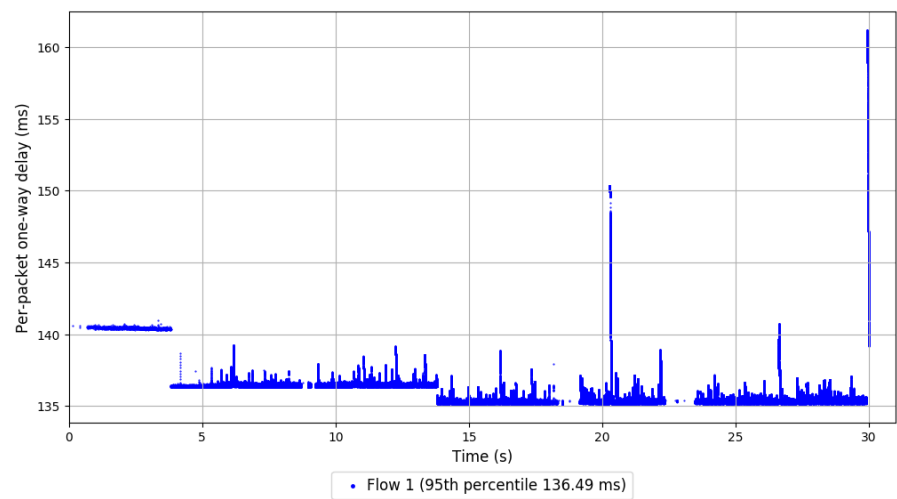
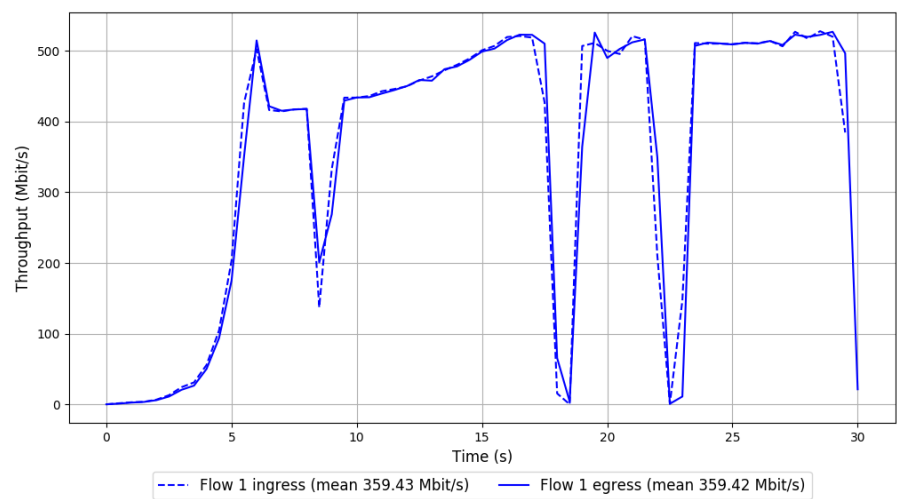
-- Flow 1:

Average throughput: 359.42 Mbit/s

95th percentile per-packet one-way delay: 136.491 ms

Loss rate: 0.02%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-28 05:16:03

End at: 2018-02-28 05:16:33

Below is generated by plot.py at 2018-02-28 07:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.50 Mbit/s

95th percentile per-packet one-way delay: 165.428 ms

Loss rate: 0.15%

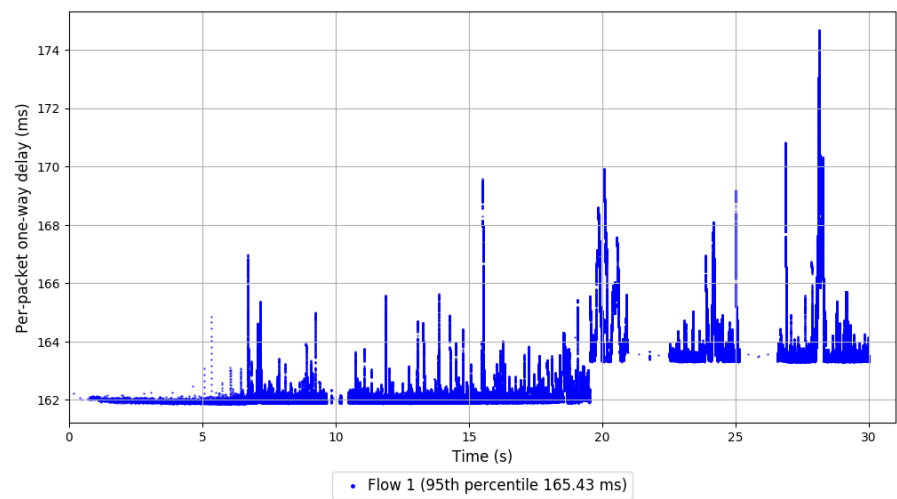
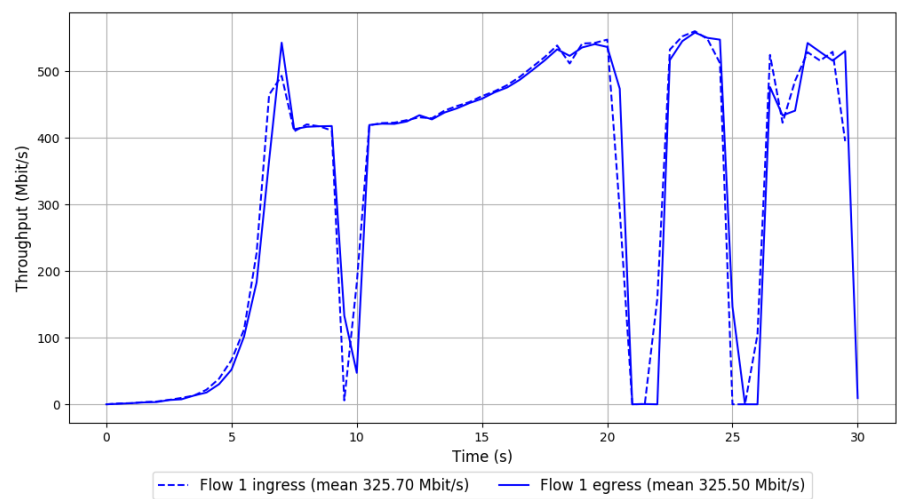
-- Flow 1:

Average throughput: 325.50 Mbit/s

95th percentile per-packet one-way delay: 165.428 ms

Loss rate: 0.15%

Run 10: Report of Vivace-loss — Data Link

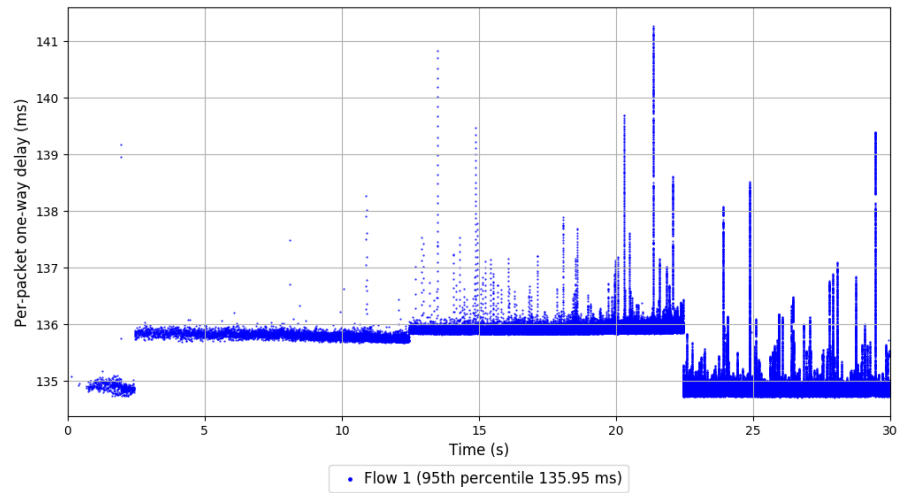
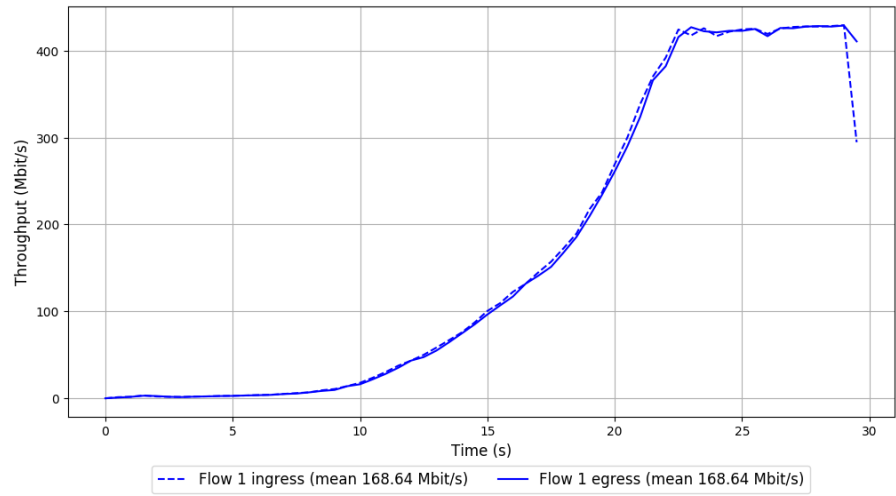


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-28 02:49:20
End at: 2018-02-28 02:49:50

# Below is generated by plot.py at 2018-02-28 07:43:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.64 Mbit/s
95th percentile per-packet one-way delay: 135.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.64 Mbit/s
95th percentile per-packet one-way delay: 135.948 ms
Loss rate: 0.00%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-28 03:05:07

End at: 2018-02-28 03:05:37

Below is generated by plot.py at 2018-02-28 07:46:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.13 Mbit/s

95th percentile per-packet one-way delay: 138.162 ms

Loss rate: 0.00%

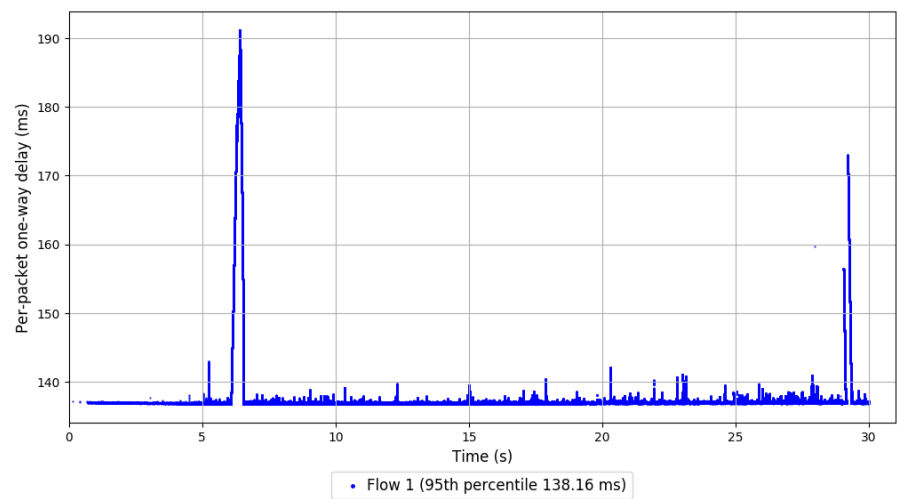
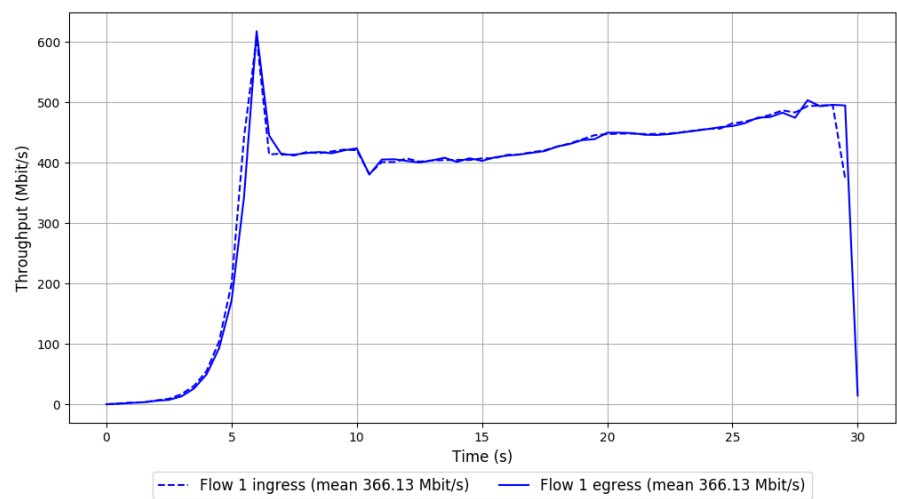
-- Flow 1:

Average throughput: 366.13 Mbit/s

95th percentile per-packet one-way delay: 138.162 ms

Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-28 03:21:16

End at: 2018-02-28 03:21:46

Below is generated by plot.py at 2018-02-28 07:46:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.39 Mbit/s

95th percentile per-packet one-way delay: 138.192 ms

Loss rate: 0.00%

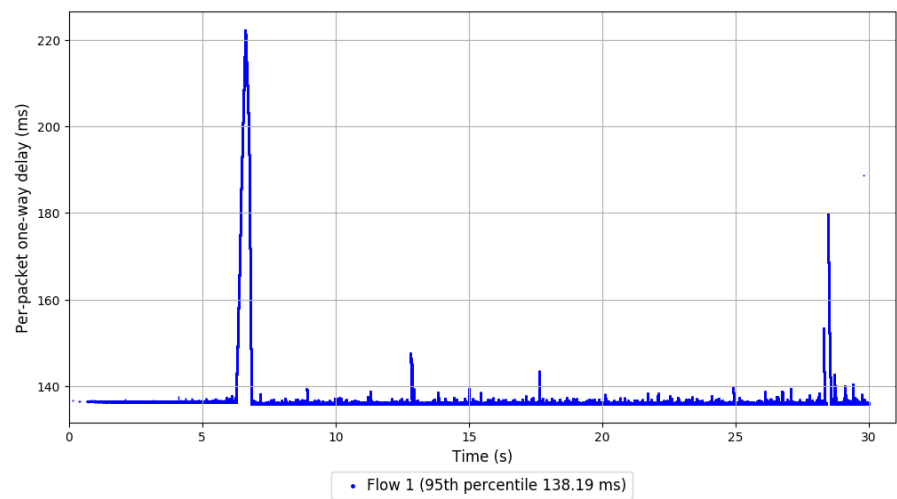
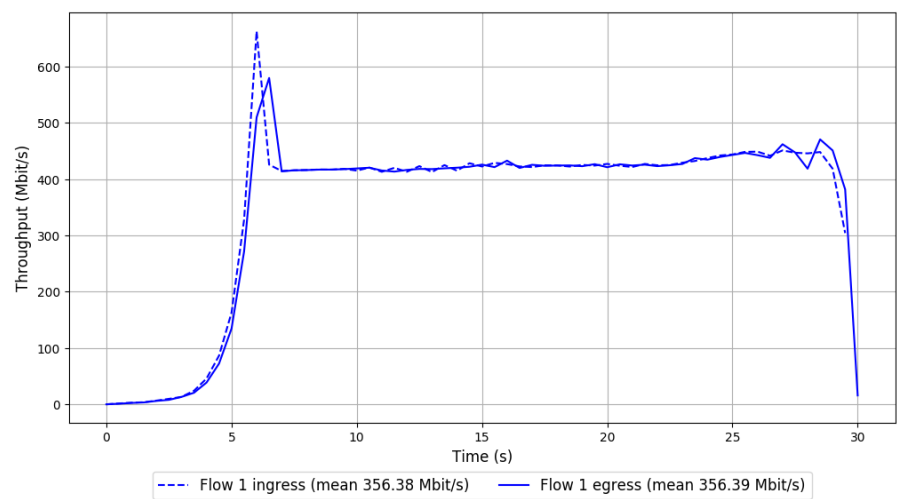
-- Flow 1:

Average throughput: 356.39 Mbit/s

95th percentile per-packet one-way delay: 138.192 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-28 03:37:44

End at: 2018-02-28 03:38:14

Below is generated by plot.py at 2018-02-28 07:46:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.49 Mbit/s

95th percentile per-packet one-way delay: 136.187 ms

Loss rate: 0.00%

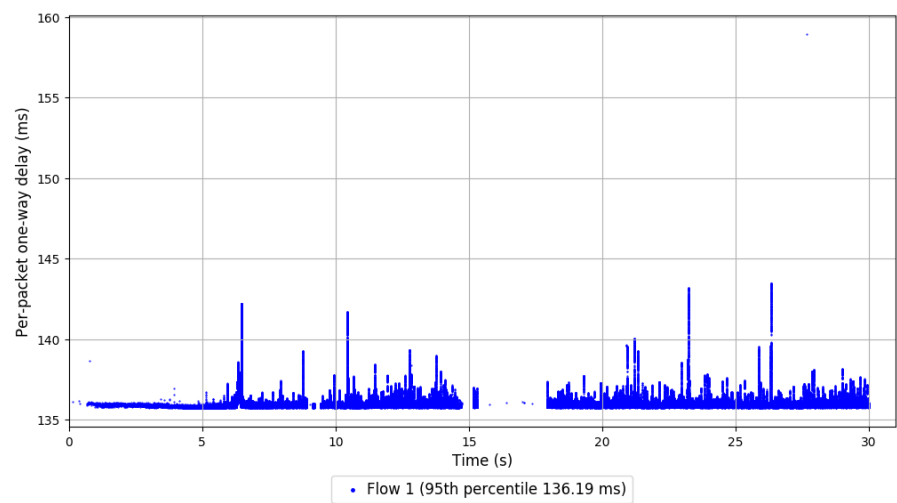
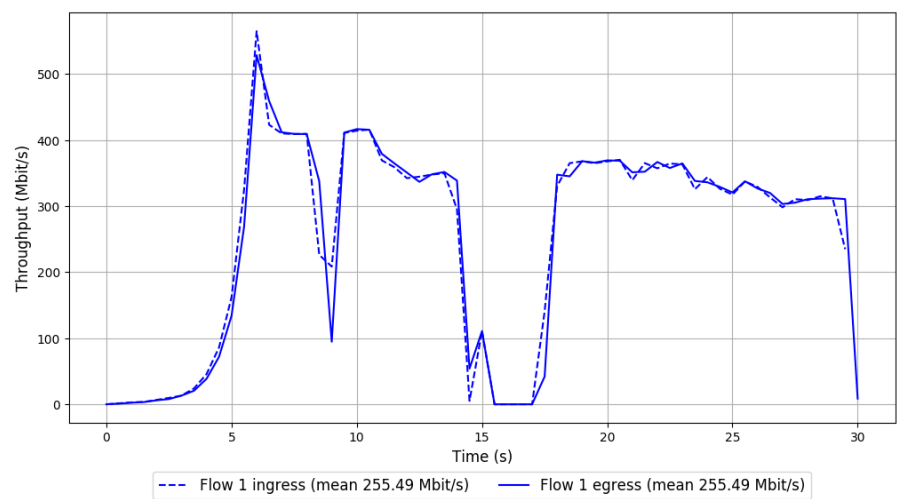
-- Flow 1:

Average throughput: 255.49 Mbit/s

95th percentile per-packet one-way delay: 136.187 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-28 03:53:44

End at: 2018-02-28 03:54:14

Below is generated by plot.py at 2018-02-28 07:47:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.58 Mbit/s

95th percentile per-packet one-way delay: 137.278 ms

Loss rate: 0.00%

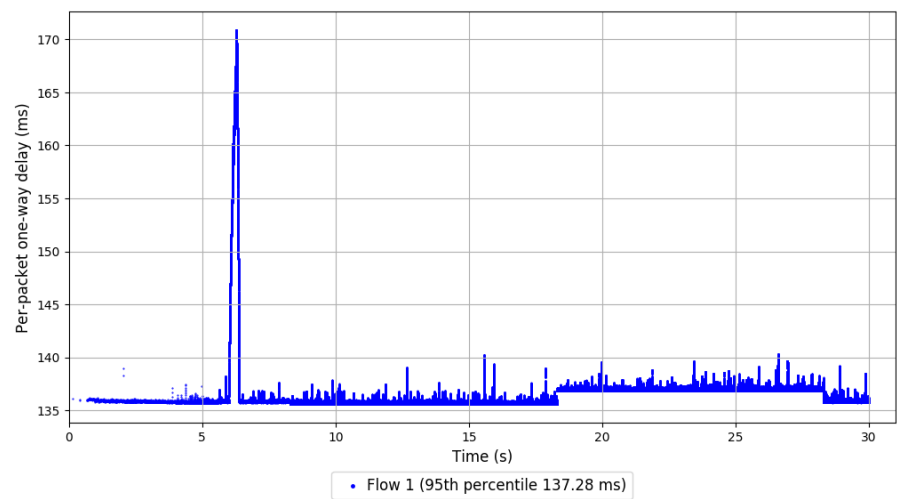
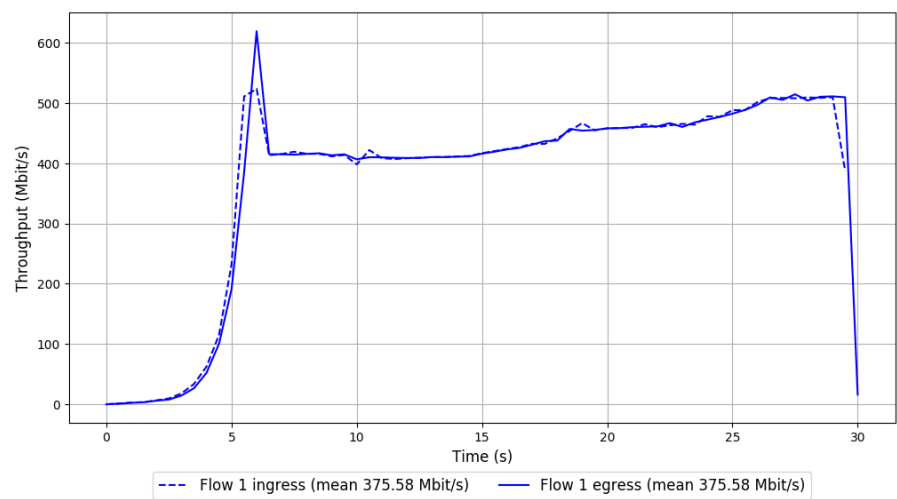
-- Flow 1:

Average throughput: 375.58 Mbit/s

95th percentile per-packet one-way delay: 137.278 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-28 04:10:08

End at: 2018-02-28 04:10:38

Below is generated by plot.py at 2018-02-28 07:47:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.82 Mbit/s

95th percentile per-packet one-way delay: 134.761 ms

Loss rate: 0.00%

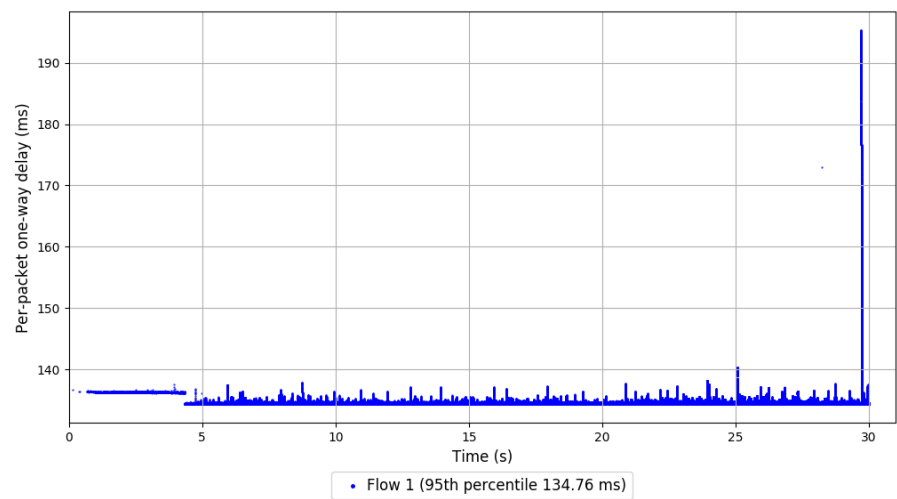
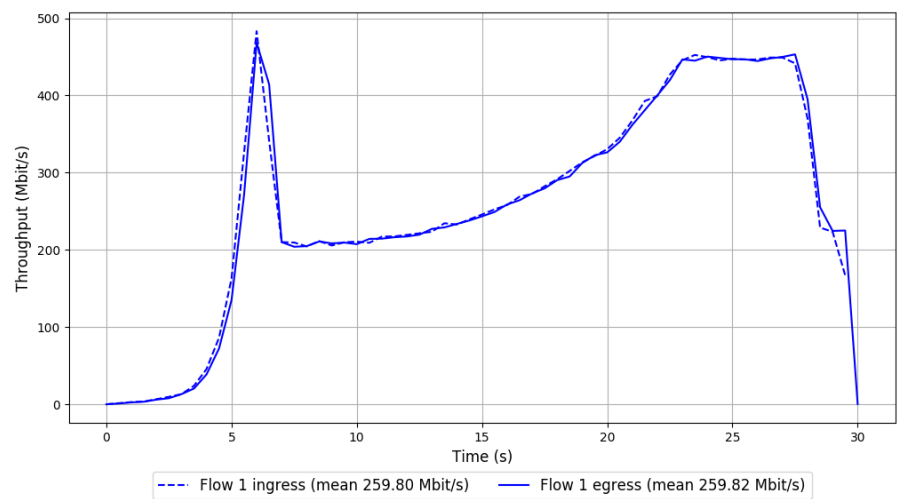
-- Flow 1:

Average throughput: 259.82 Mbit/s

95th percentile per-packet one-way delay: 134.761 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-28 04:26:09

End at: 2018-02-28 04:26:39

Below is generated by plot.py at 2018-02-28 07:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.82 Mbit/s

95th percentile per-packet one-way delay: 136.044 ms

Loss rate: 0.00%

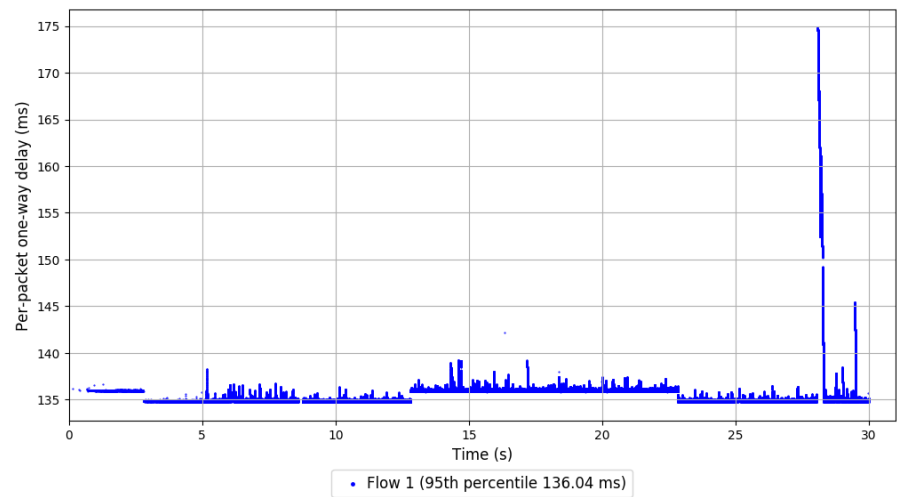
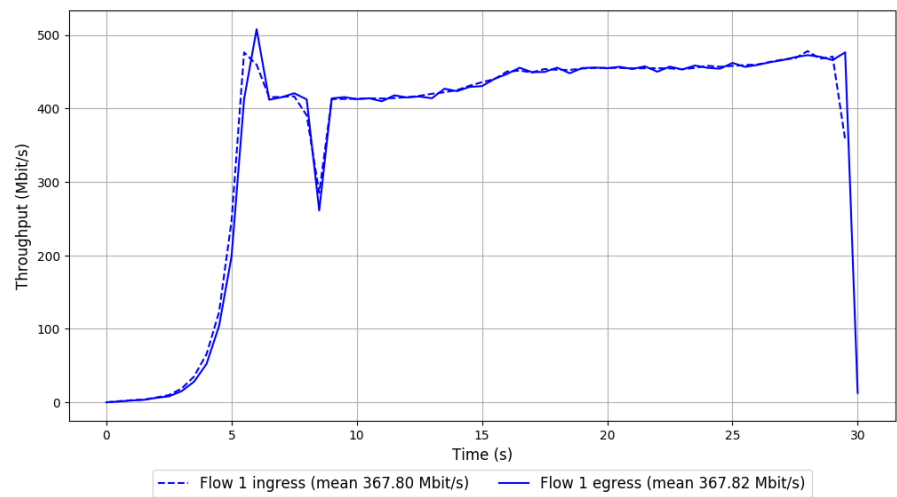
-- Flow 1:

Average throughput: 367.82 Mbit/s

95th percentile per-packet one-way delay: 136.044 ms

Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-28 04:42:23

End at: 2018-02-28 04:42:53

Below is generated by plot.py at 2018-02-28 07:48:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.18 Mbit/s

95th percentile per-packet one-way delay: 143.298 ms

Loss rate: 0.00%

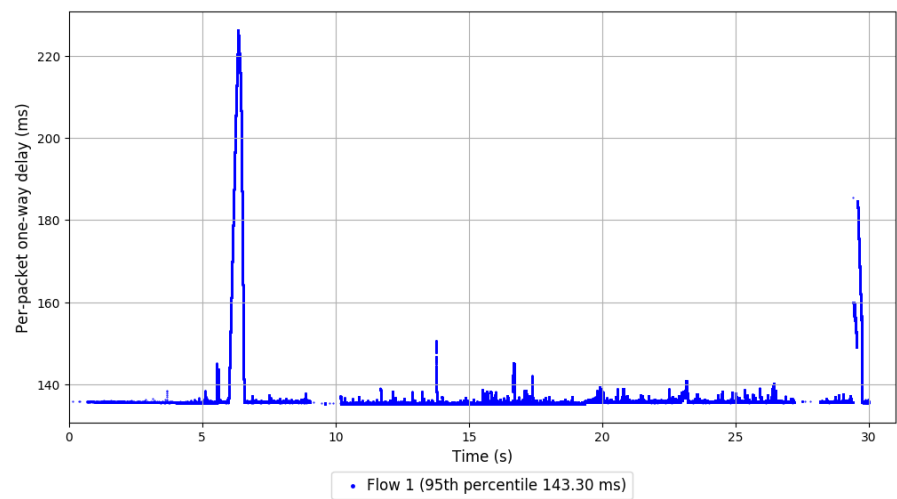
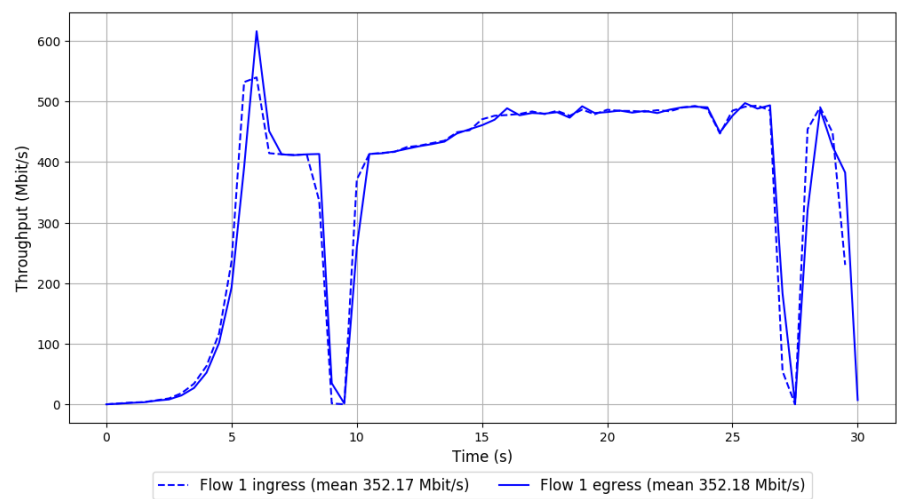
-- Flow 1:

Average throughput: 352.18 Mbit/s

95th percentile per-packet one-way delay: 143.298 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-28 04:58:25

End at: 2018-02-28 04:58:56

Below is generated by plot.py at 2018-02-28 07:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.27 Mbit/s

95th percentile per-packet one-way delay: 137.617 ms

Loss rate: 0.00%

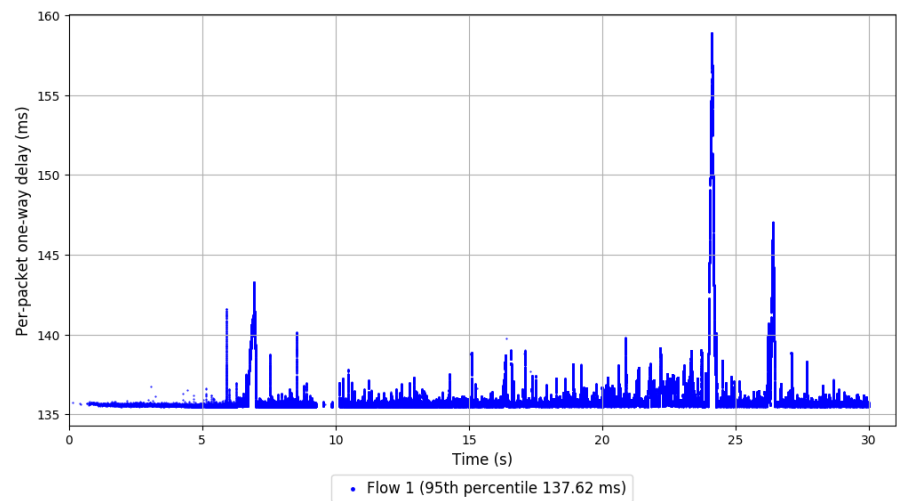
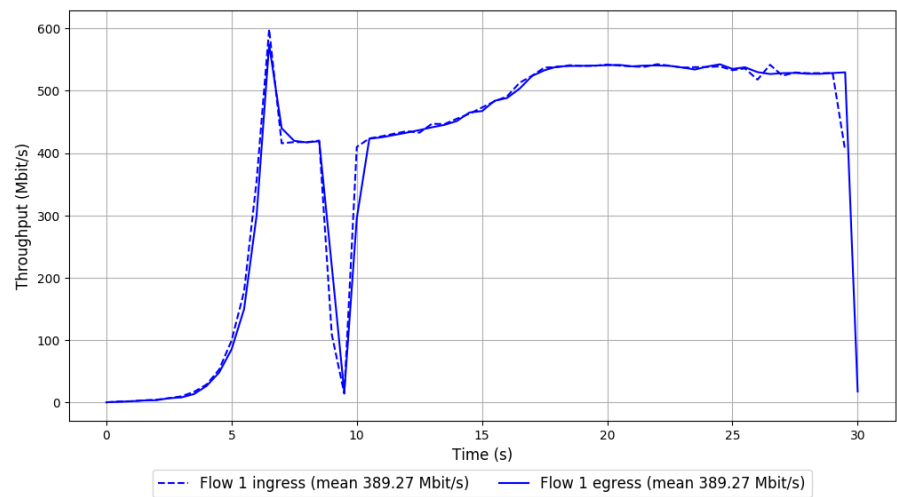
-- Flow 1:

Average throughput: 389.27 Mbit/s

95th percentile per-packet one-way delay: 137.617 ms

Loss rate: 0.00%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-28 05:14:49

End at: 2018-02-28 05:15:19

Below is generated by plot.py at 2018-02-28 07:48:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.03 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 379.03 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of Vivace-LTE — Data Link

