

Pantheon Report

Generated at 2018-01-17 04:54:52 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

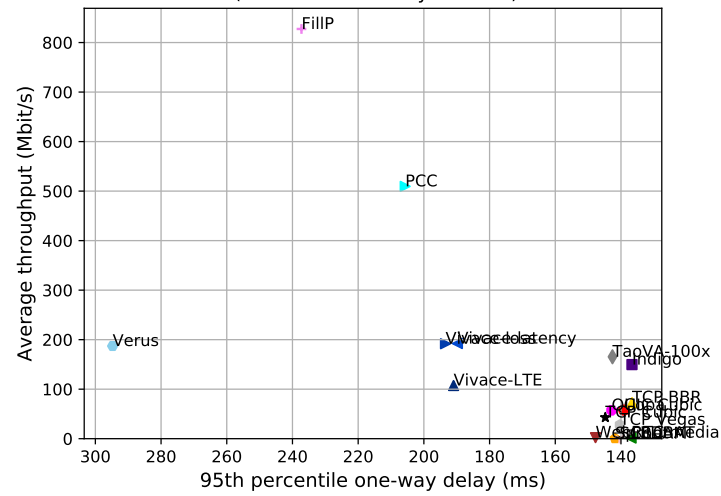
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

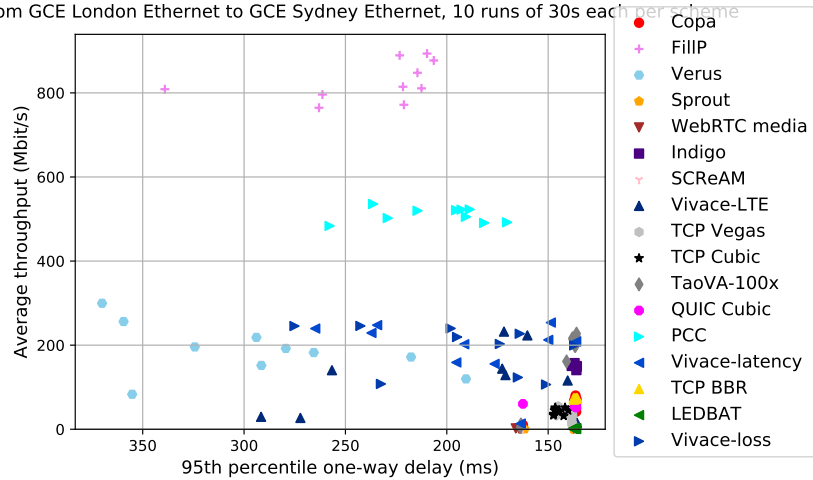
Git summary:

```
branch: master @ af8abdfba95588b0c5f2aeca9e856a1656b0c598
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/llp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	72.99	136.63	1.01
TCP Cubic	10	42.87	144.77	1.03
LEDBAT	10	1.23	136.94	1.11
PCC	10	509.58	205.68	3.51
QUIC Cubic	4	57.20	142.88	1.21
SCReAM	6	0.22	140.42	0.86
WebRTC media	10	2.07	147.75	1.01
Sprout	10	0.44	141.81	0.89
TaoVA-100x	10	165.42	142.59	0.86
TCP Vegas	10	27.97	140.36	0.80
Verus	10	187.15	294.75	6.47
Copa	10	57.70	139.14	0.97
FillP	10	827.43	237.26	6.24
Indigo	5	149.63	136.65	1.08
Vivace-latency	10	192.11	189.79	1.99
Vivace-loss	10	191.72	193.41	2.96
Vivace-LTE	10	107.43	190.96	1.85

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 22:33:03

End at: 2018-01-16 22:33:33

Below is generated by plot.py at 2018-01-17 03:45:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.75 Mbit/s

95th percentile per-packet one-way delay: 136.767 ms

Loss rate: 0.99%

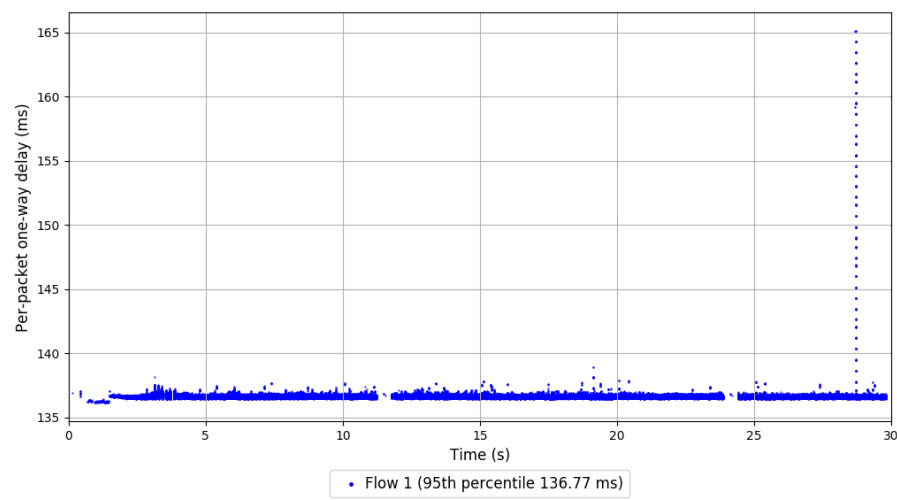
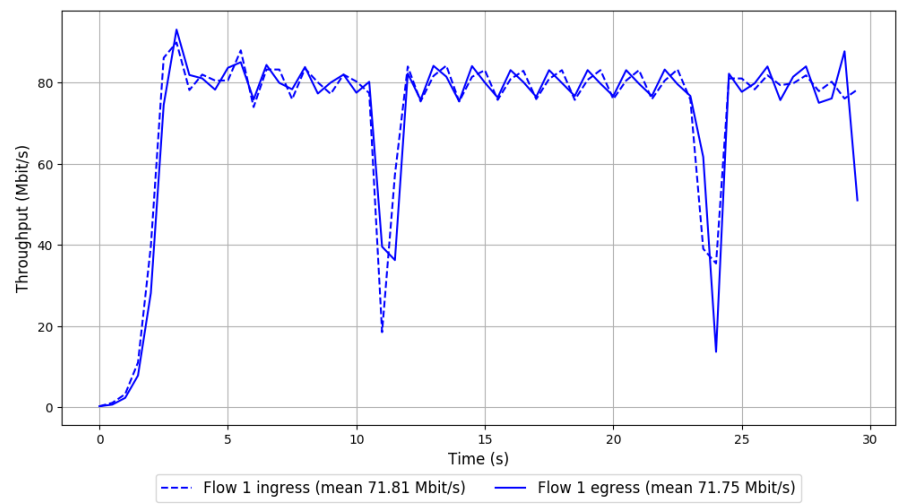
-- Flow 1:

Average throughput: 71.75 Mbit/s

95th percentile per-packet one-way delay: 136.767 ms

Loss rate: 0.99%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-16 22:49:06

End at: 2018-01-16 22:49:36

Below is generated by plot.py at 2018-01-17 03:45:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.48 Mbit/s

95th percentile per-packet one-way delay: 136.991 ms

Loss rate: 0.97%

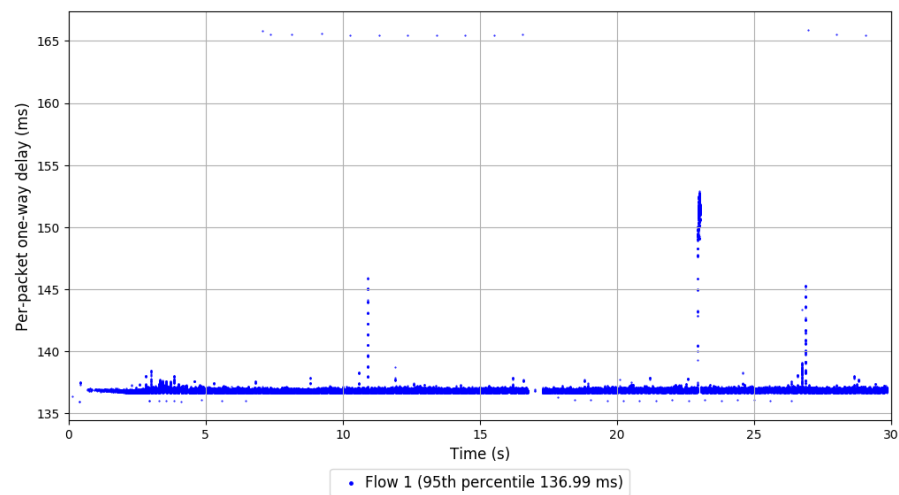
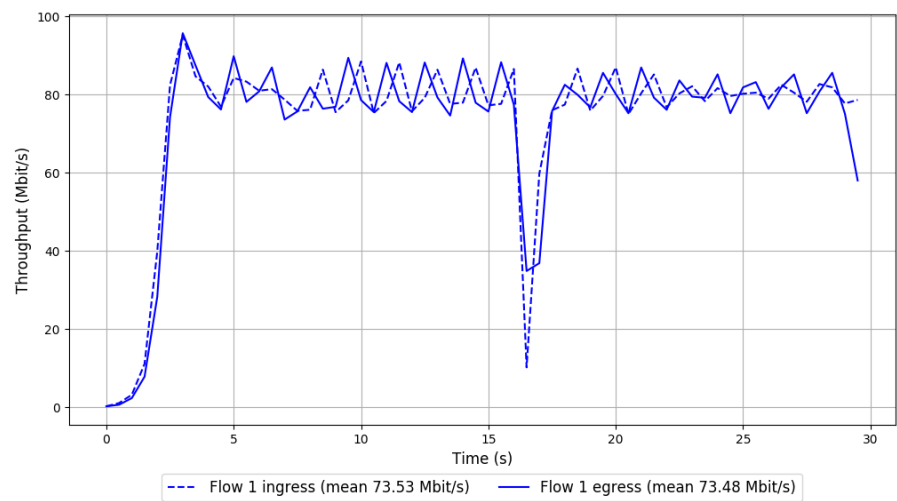
-- Flow 1:

Average throughput: 73.48 Mbit/s

95th percentile per-packet one-way delay: 136.991 ms

Loss rate: 0.97%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-16 23:04:52

End at: 2018-01-16 23:05:22

Below is generated by plot.py at 2018-01-17 03:45:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.08 Mbit/s

95th percentile per-packet one-way delay: 136.987 ms

Loss rate: 1.06%

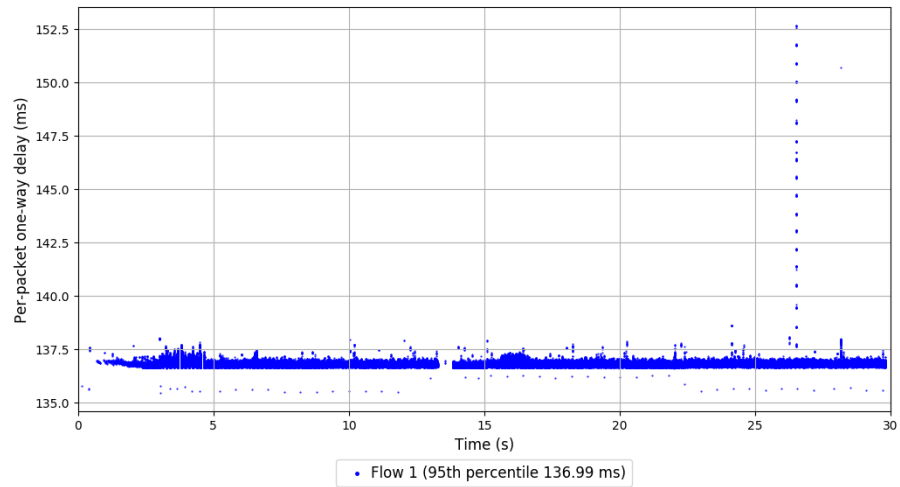
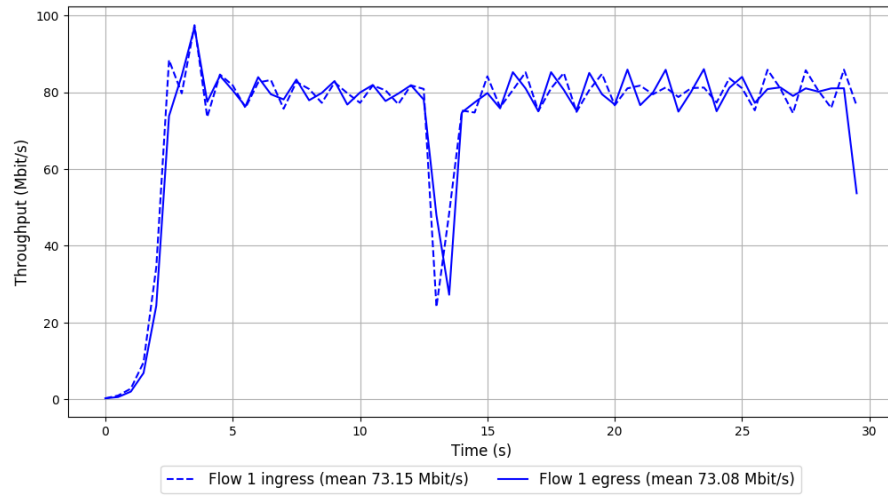
-- Flow 1:

Average throughput: 73.08 Mbit/s

95th percentile per-packet one-way delay: 136.987 ms

Loss rate: 1.06%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-16 23:20:26

End at: 2018-01-16 23:20:56

Below is generated by plot.py at 2018-01-17 03:45:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.18 Mbit/s

95th percentile per-packet one-way delay: 136.170 ms

Loss rate: 0.96%

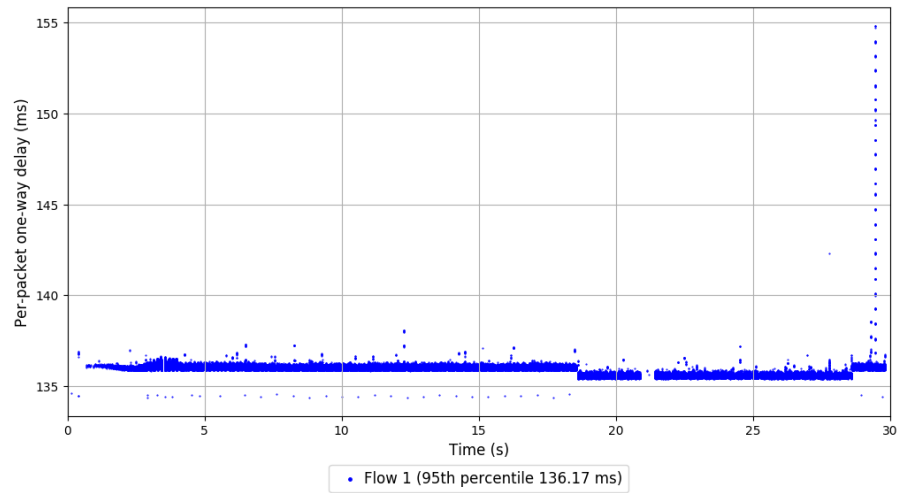
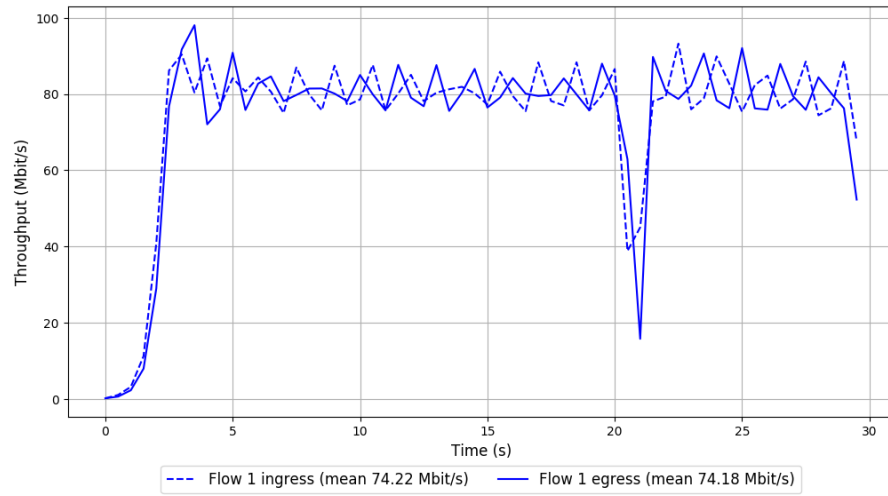
-- Flow 1:

Average throughput: 74.18 Mbit/s

95th percentile per-packet one-way delay: 136.170 ms

Loss rate: 0.96%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-16 23:36:17

End at: 2018-01-16 23:36:47

Below is generated by plot.py at 2018-01-17 03:45:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.77 Mbit/s

95th percentile per-packet one-way delay: 136.001 ms

Loss rate: 1.05%

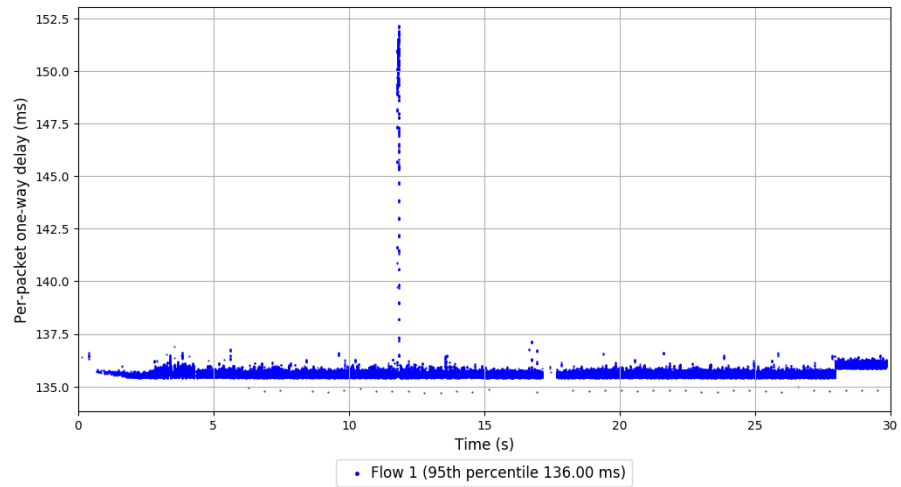
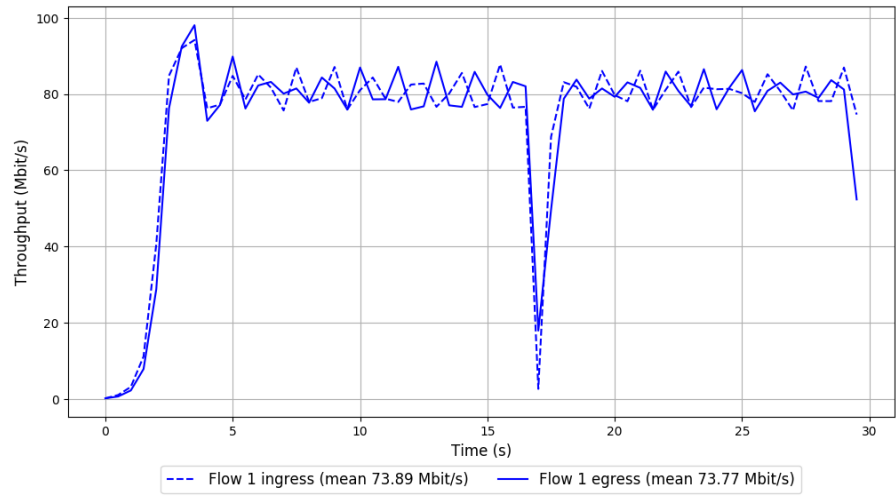
-- Flow 1:

Average throughput: 73.77 Mbit/s

95th percentile per-packet one-way delay: 136.001 ms

Loss rate: 1.05%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-16 23:51:52

End at: 2018-01-16 23:52:22

Below is generated by plot.py at 2018-01-17 03:45:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 135.734 ms

Loss rate: 1.01%

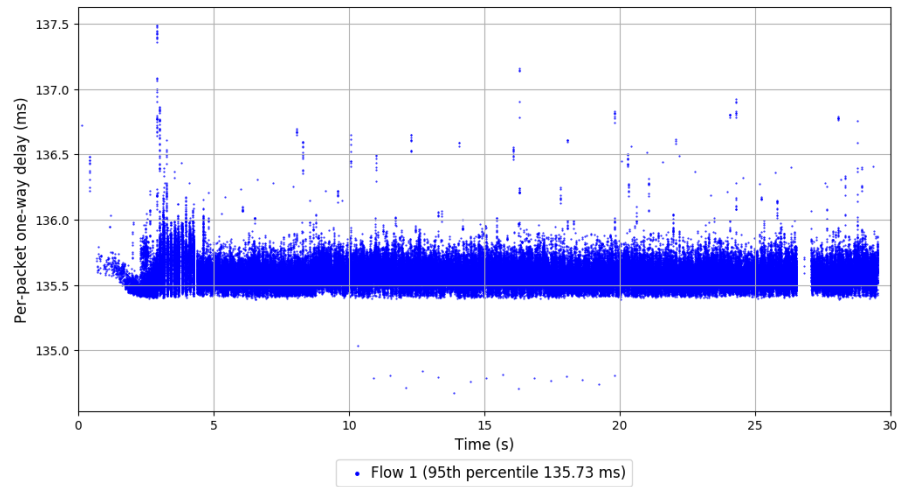
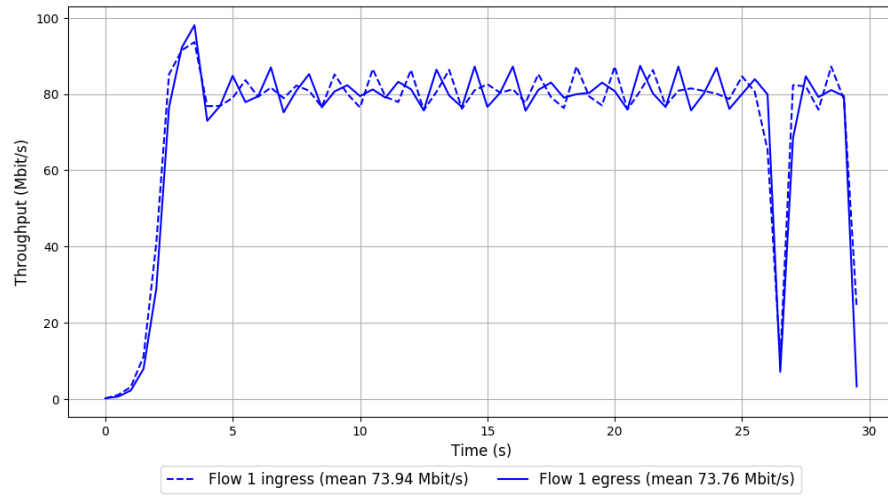
-- Flow 1:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 135.734 ms

Loss rate: 1.01%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-17 00:08:08

End at: 2018-01-17 00:08:38

Below is generated by plot.py at 2018-01-17 03:45:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 135.726 ms

Loss rate: 0.97%

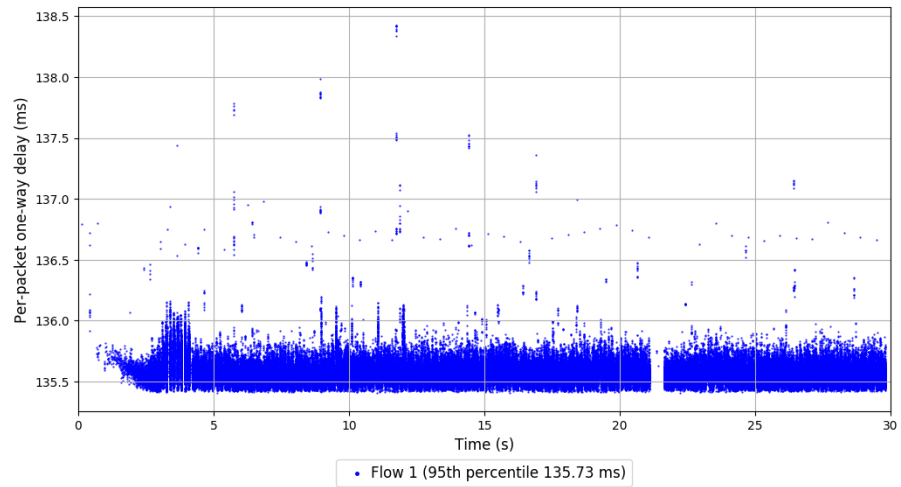
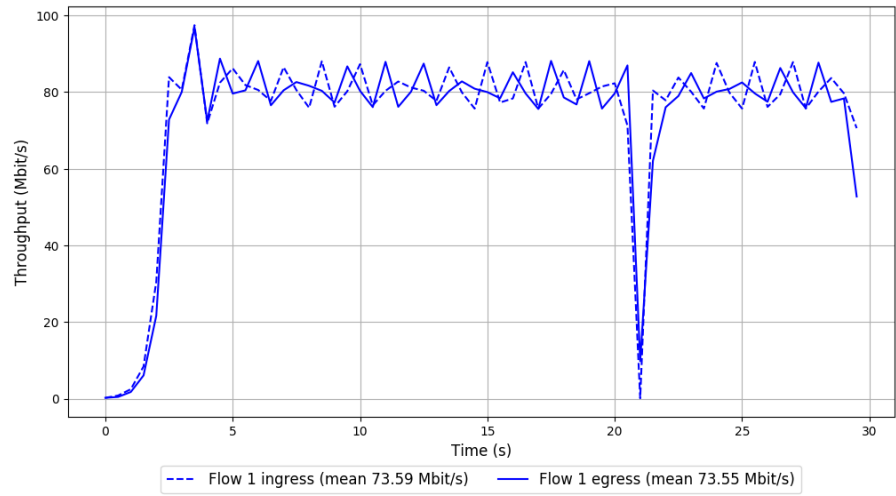
-- Flow 1:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 135.726 ms

Loss rate: 0.97%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-17 00:23:52

End at: 2018-01-17 00:24:22

Below is generated by plot.py at 2018-01-17 03:45:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.72 Mbit/s

95th percentile per-packet one-way delay: 137.224 ms

Loss rate: 1.11%

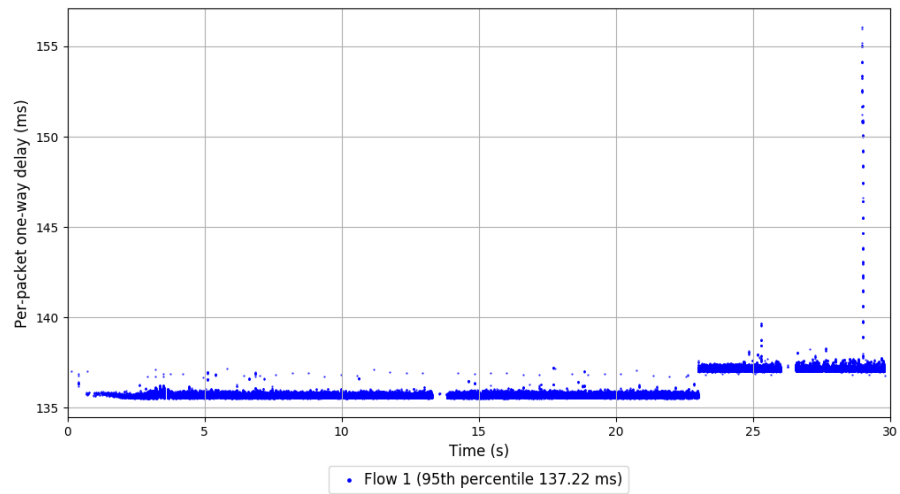
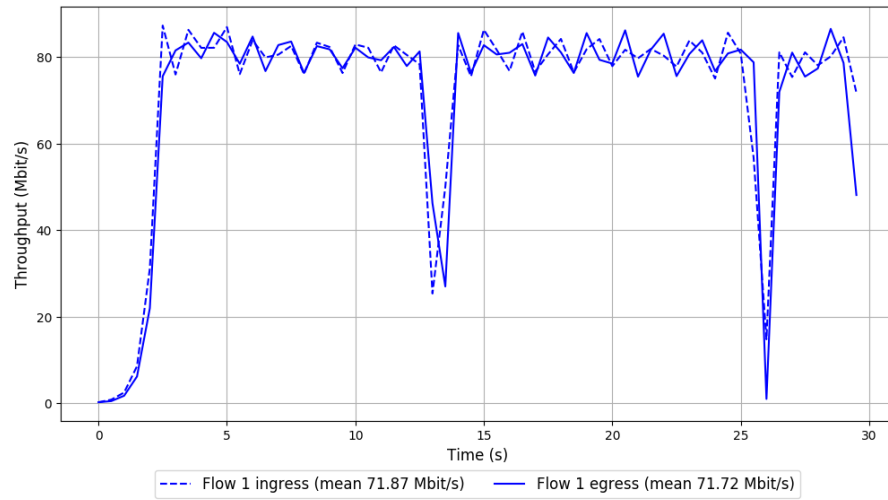
-- Flow 1:

Average throughput: 71.72 Mbit/s

95th percentile per-packet one-way delay: 137.224 ms

Loss rate: 1.11%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-17 00:39:41

End at: 2018-01-17 00:40:11

Below is generated by plot.py at 2018-01-17 03:46:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.04 Mbit/s

95th percentile per-packet one-way delay: 137.353 ms

Loss rate: 0.96%

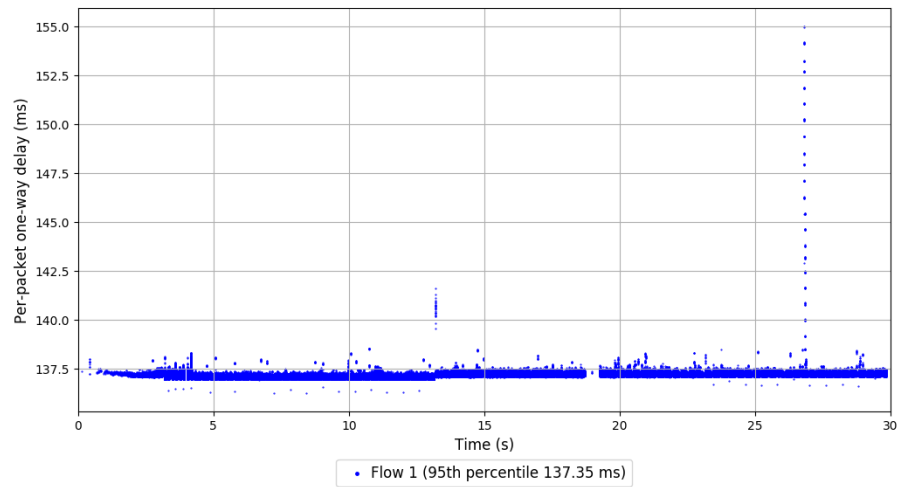
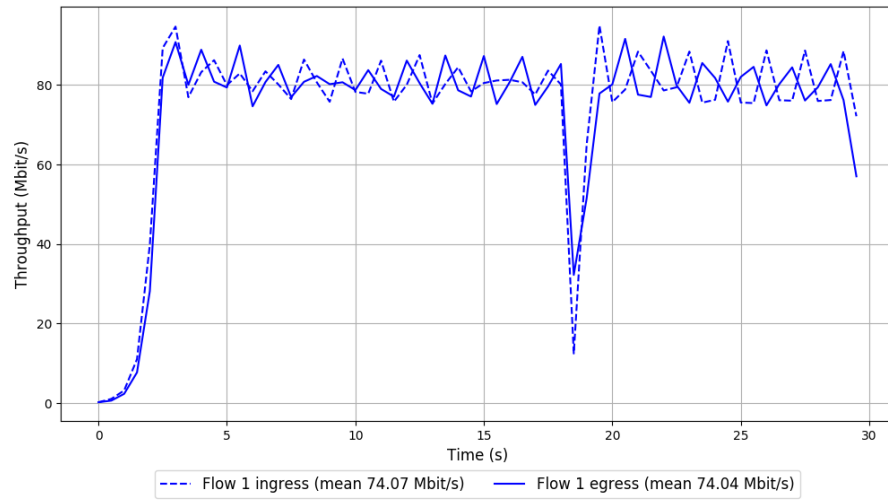
-- Flow 1:

Average throughput: 74.04 Mbit/s

95th percentile per-packet one-way delay: 137.353 ms

Loss rate: 0.96%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-17 00:55:51

End at: 2018-01-17 00:56:21

Below is generated by plot.py at 2018-01-17 03:46:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.54 Mbit/s

95th percentile per-packet one-way delay: 137.387 ms

Loss rate: 1.01%

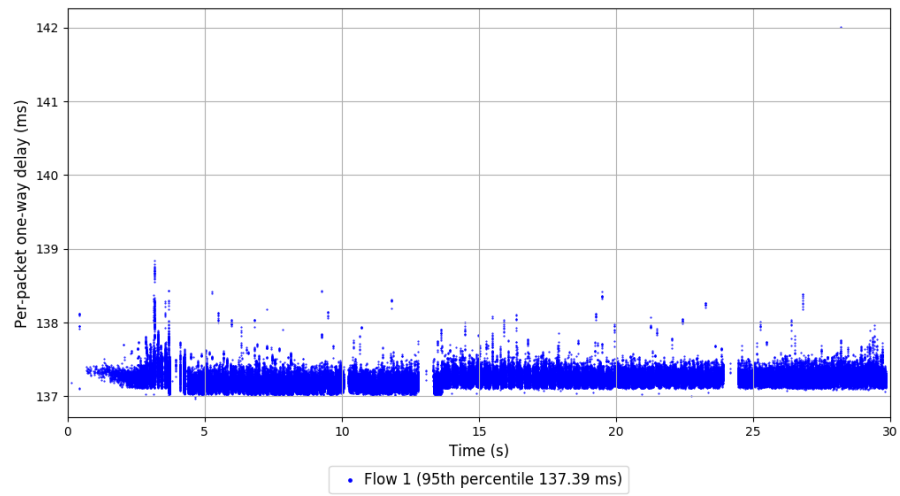
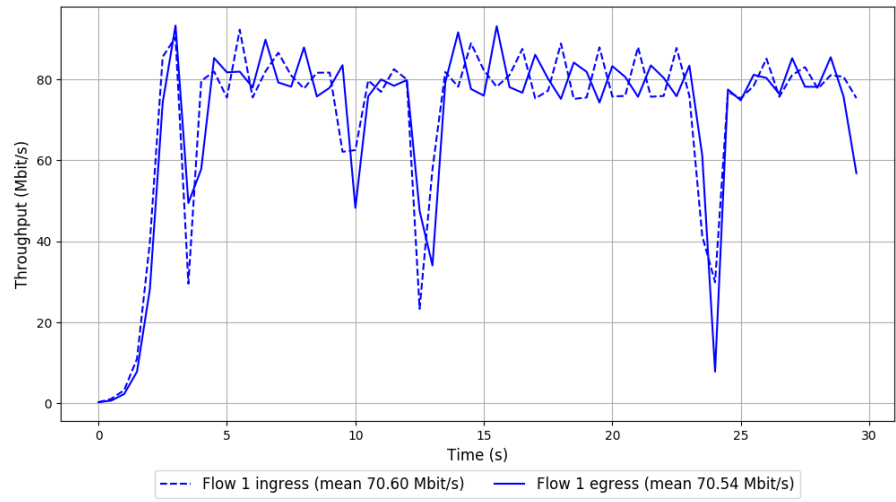
-- Flow 1:

Average throughput: 70.54 Mbit/s

95th percentile per-packet one-way delay: 137.387 ms

Loss rate: 1.01%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-16 22:29:22

End at: 2018-01-16 22:29:52

Below is generated by plot.py at 2018-01-17 03:46:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.51 Mbit/s

95th percentile per-packet one-way delay: 146.483 ms

Loss rate: 0.70%

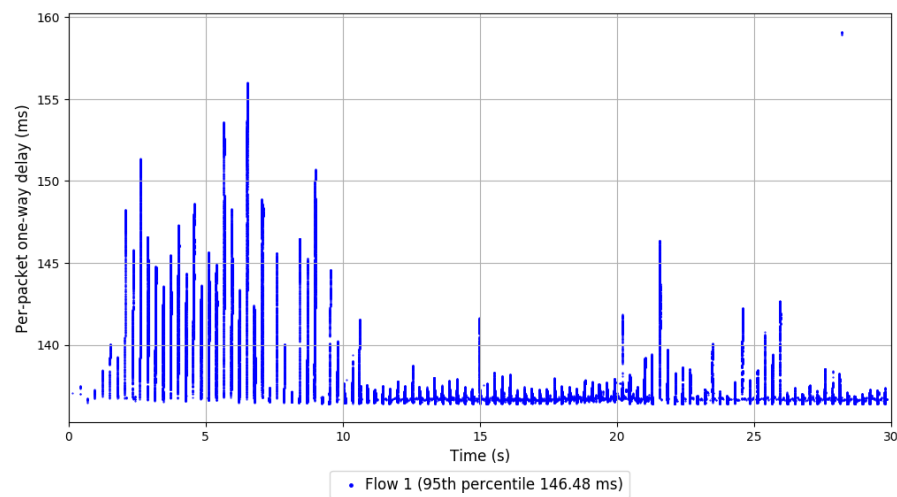
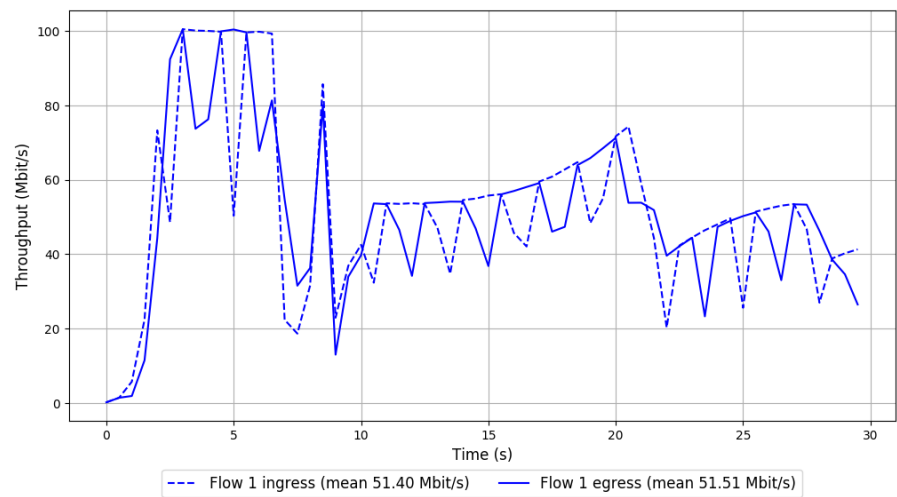
-- Flow 1:

Average throughput: 51.51 Mbit/s

95th percentile per-packet one-way delay: 146.483 ms

Loss rate: 0.70%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 22:45:36

End at: 2018-01-16 22:46:06

Below is generated by plot.py at 2018-01-17 03:46:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 146.490 ms

Loss rate: 1.54%

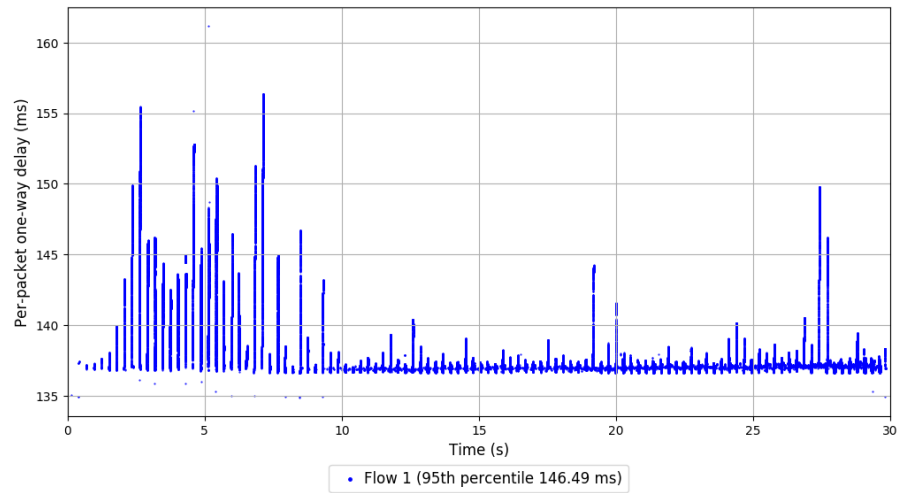
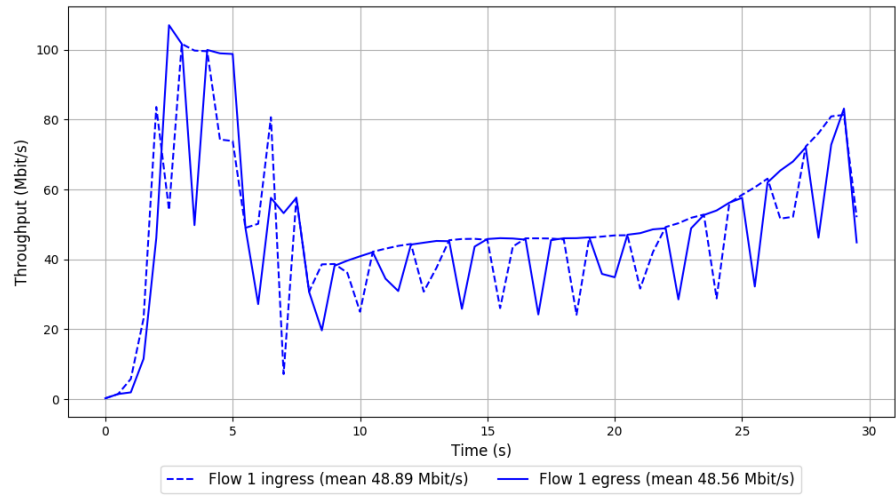
-- Flow 1:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 146.490 ms

Loss rate: 1.54%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-16 23:01:35

End at: 2018-01-16 23:02:05

Below is generated by plot.py at 2018-01-17 03:46:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.17 Mbit/s

95th percentile per-packet one-way delay: 147.424 ms

Loss rate: 0.85%

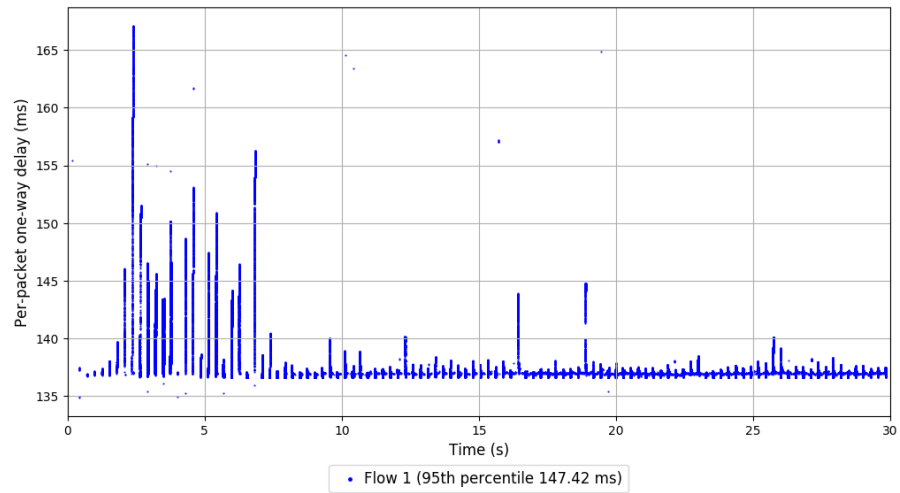
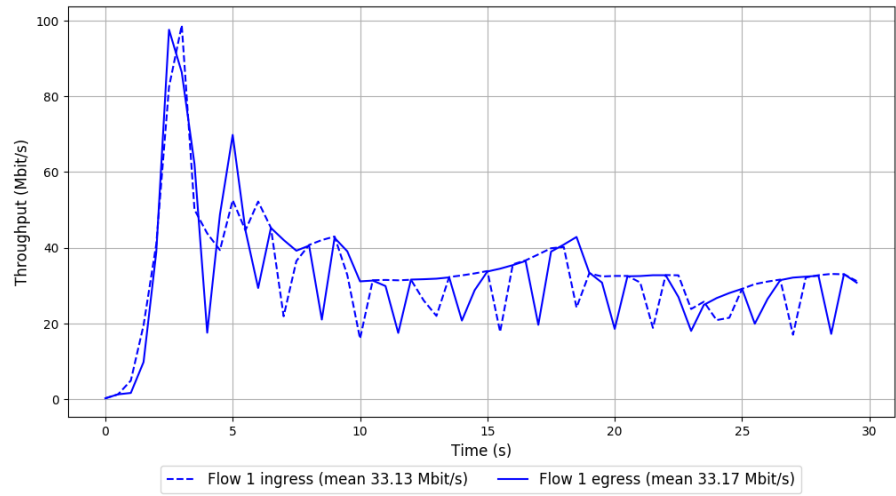
-- Flow 1:

Average throughput: 33.17 Mbit/s

95th percentile per-packet one-way delay: 147.424 ms

Loss rate: 0.85%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-16 23:16:47

End at: 2018-01-16 23:17:17

Below is generated by plot.py at 2018-01-17 03:46:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.65 Mbit/s

95th percentile per-packet one-way delay: 144.522 ms

Loss rate: 0.83%

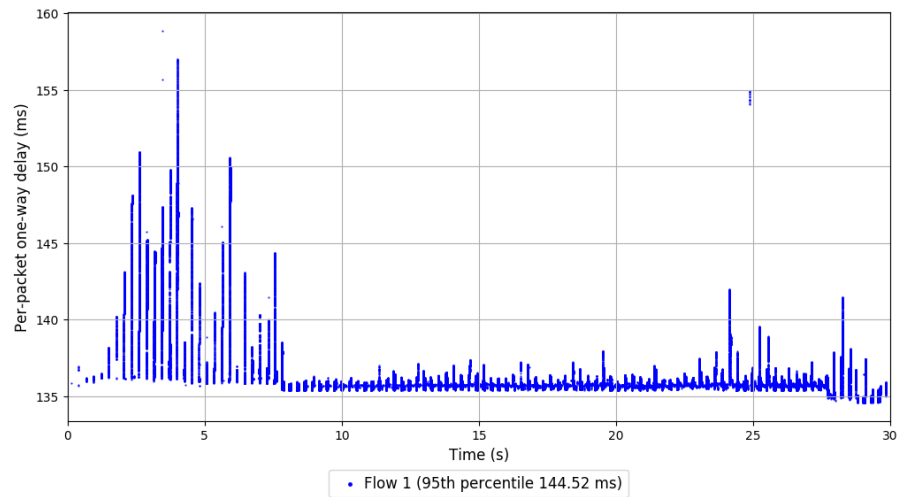
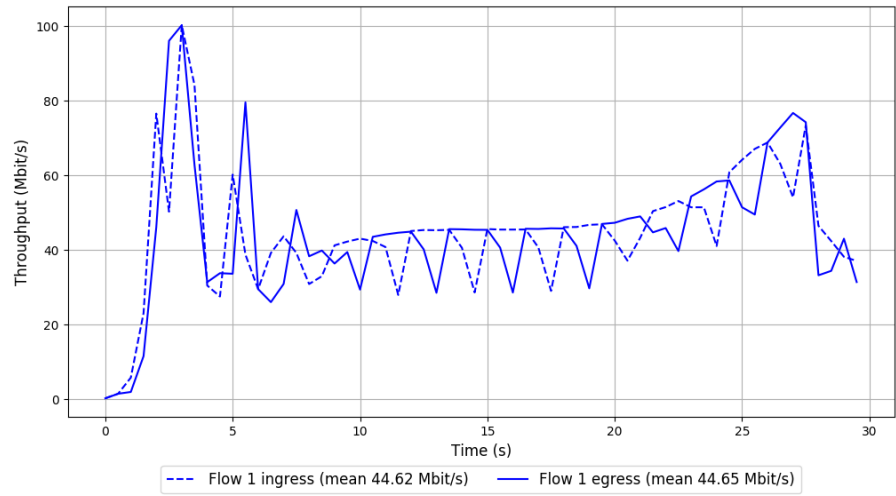
-- Flow 1:

Average throughput: 44.65 Mbit/s

95th percentile per-packet one-way delay: 144.522 ms

Loss rate: 0.83%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-16 23:32:53

End at: 2018-01-16 23:33:23

Below is generated by plot.py at 2018-01-17 03:46:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.45 Mbit/s

95th percentile per-packet one-way delay: 144.548 ms

Loss rate: 1.41%

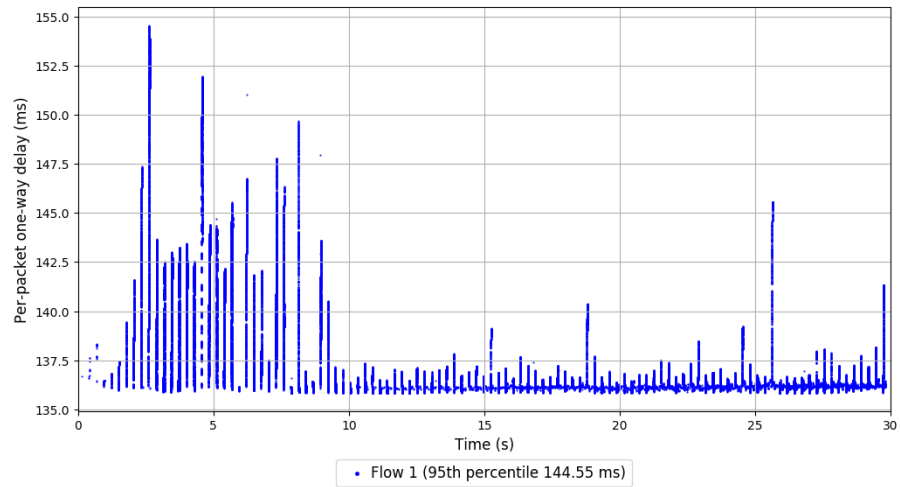
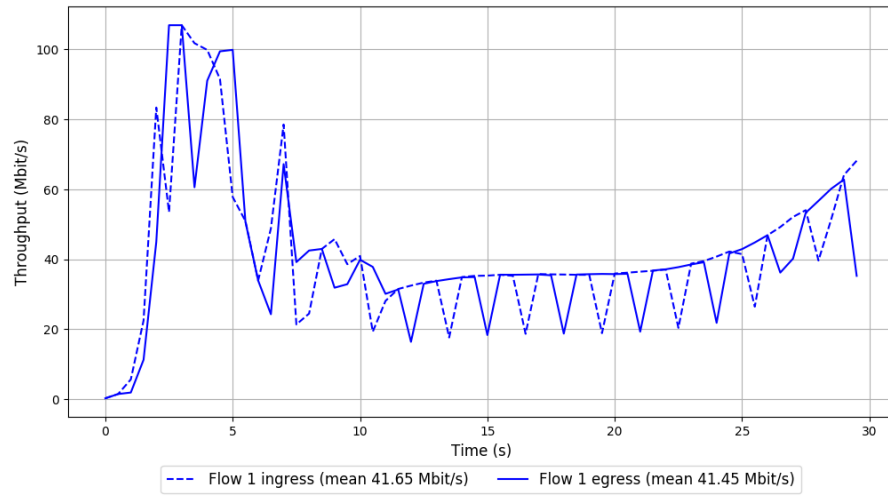
-- Flow 1:

Average throughput: 41.45 Mbit/s

95th percentile per-packet one-way delay: 144.548 ms

Loss rate: 1.41%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-16 23:48:49

End at: 2018-01-16 23:49:19

Below is generated by plot.py at 2018-01-17 03:46:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.71 Mbit/s

95th percentile per-packet one-way delay: 142.366 ms

Loss rate: 1.05%

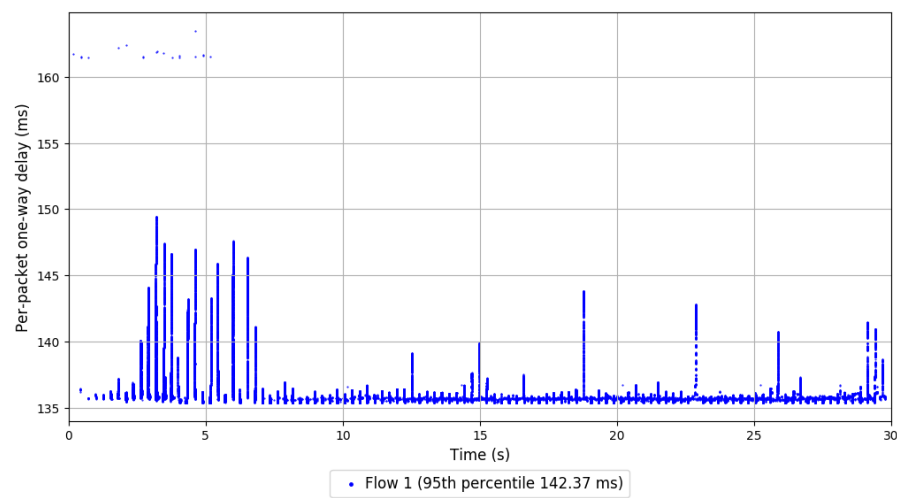
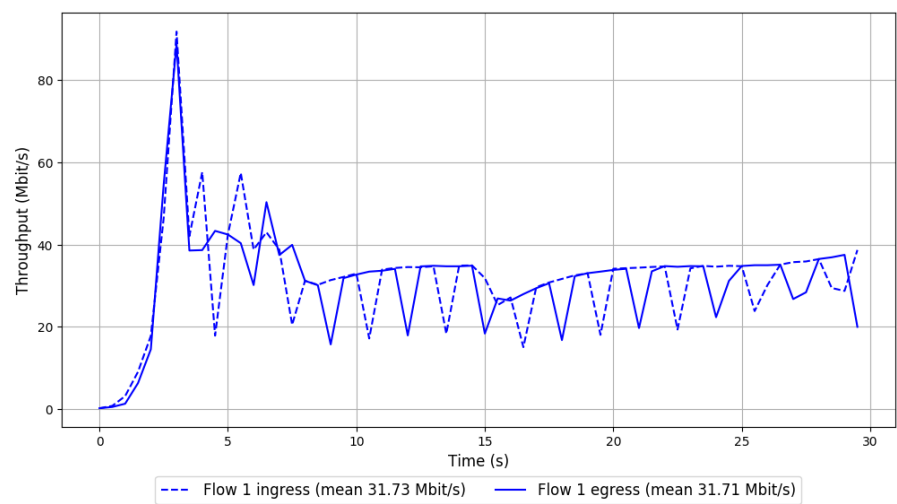
-- Flow 1:

Average throughput: 31.71 Mbit/s

95th percentile per-packet one-way delay: 142.366 ms

Loss rate: 1.05%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-17 00:04:34

End at: 2018-01-17 00:05:04

Below is generated by plot.py at 2018-01-17 03:47:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.50 Mbit/s

95th percentile per-packet one-way delay: 141.665 ms

Loss rate: 0.54%

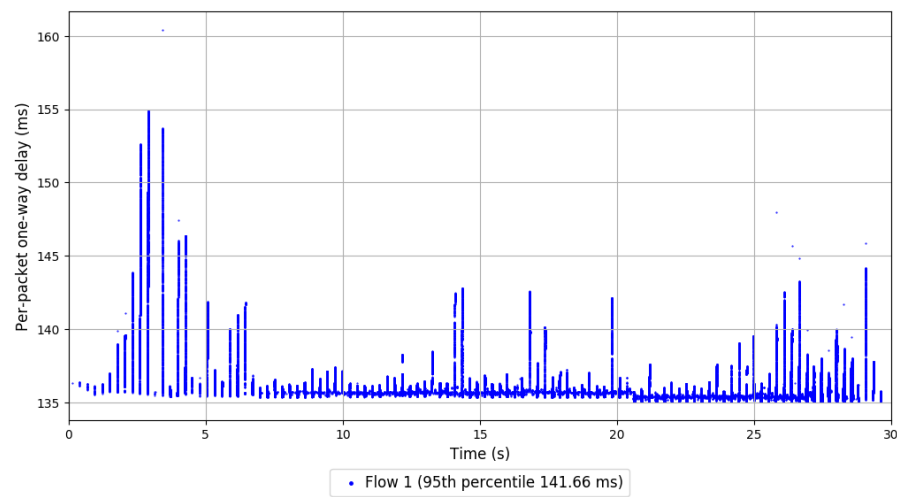
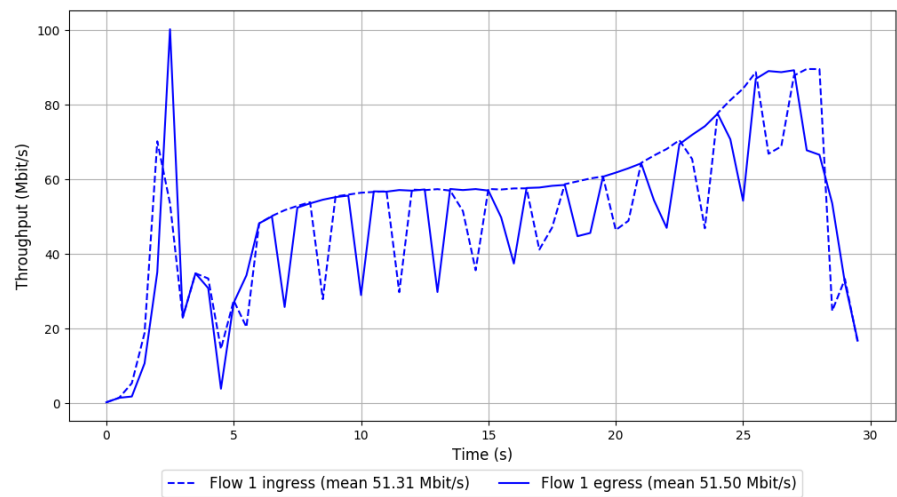
-- Flow 1:

Average throughput: 51.50 Mbit/s

95th percentile per-packet one-way delay: 141.665 ms

Loss rate: 0.54%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-17 00:20:32

End at: 2018-01-17 00:21:02

Below is generated by plot.py at 2018-01-17 03:47:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.81 Mbit/s

95th percentile per-packet one-way delay: 146.811 ms

Loss rate: 0.88%

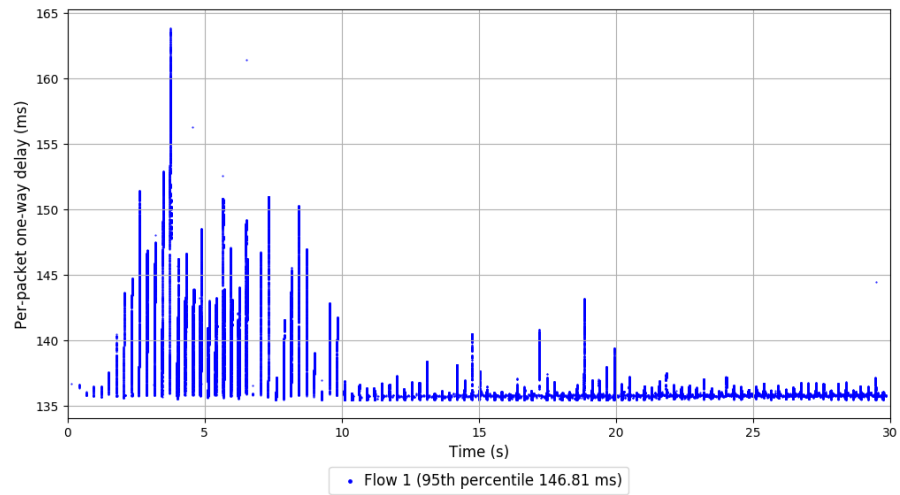
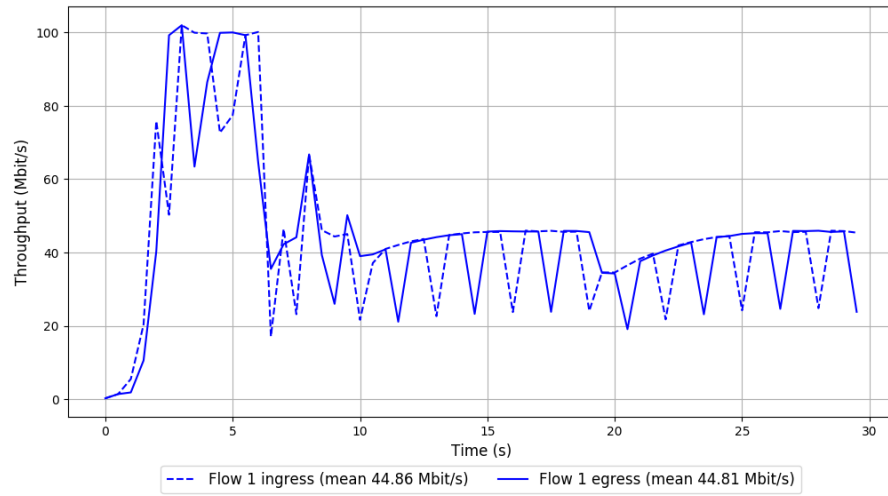
-- Flow 1:

Average throughput: 44.81 Mbit/s

95th percentile per-packet one-way delay: 146.811 ms

Loss rate: 0.88%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-17 00:36:19

End at: 2018-01-17 00:36:49

Below is generated by plot.py at 2018-01-17 03:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.76 Mbit/s

95th percentile per-packet one-way delay: 140.137 ms

Loss rate: 1.72%

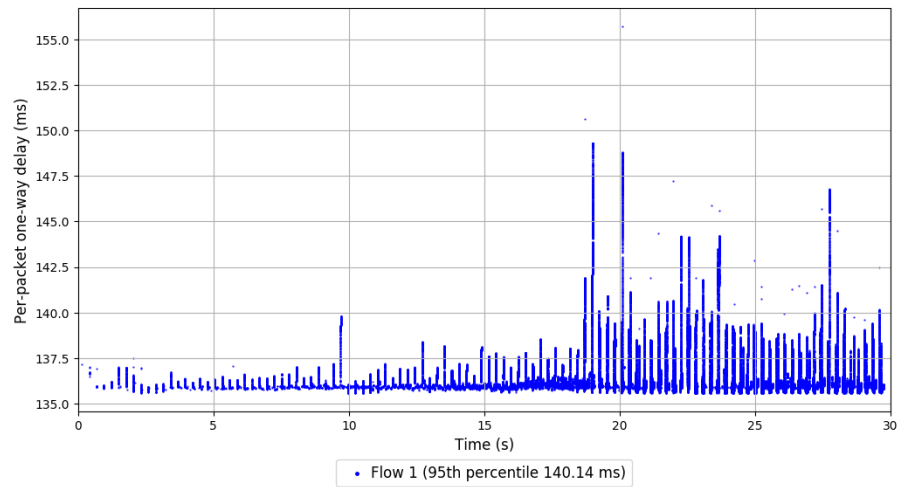
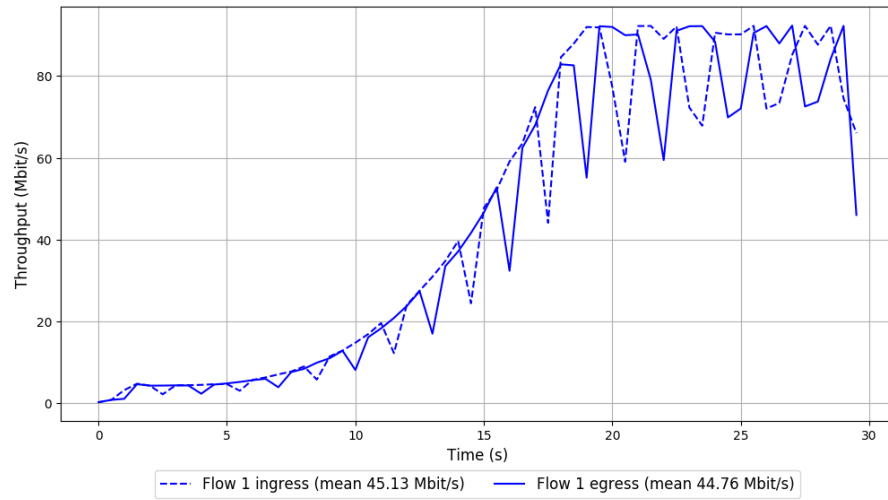
-- Flow 1:

Average throughput: 44.76 Mbit/s

95th percentile per-packet one-way delay: 140.137 ms

Loss rate: 1.72%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-17 00:52:16

End at: 2018-01-17 00:52:46

Below is generated by plot.py at 2018-01-17 03:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.59 Mbit/s

95th percentile per-packet one-way delay: 147.213 ms

Loss rate: 0.81%

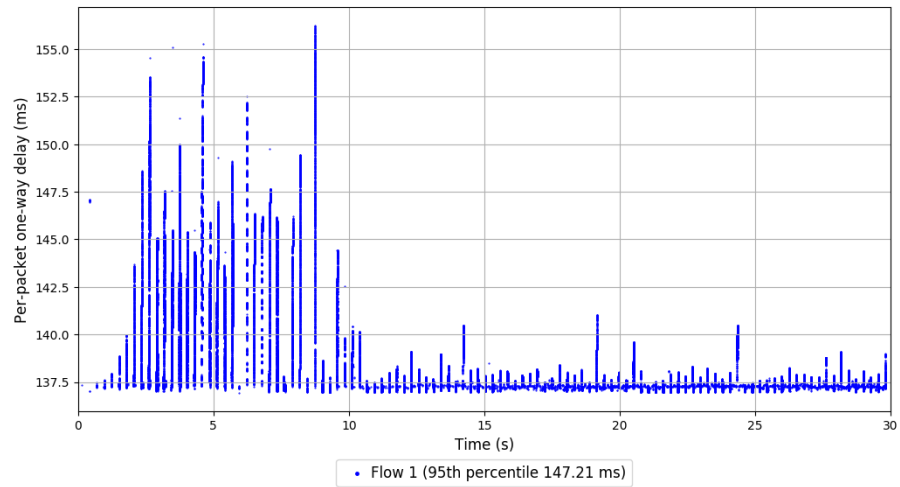
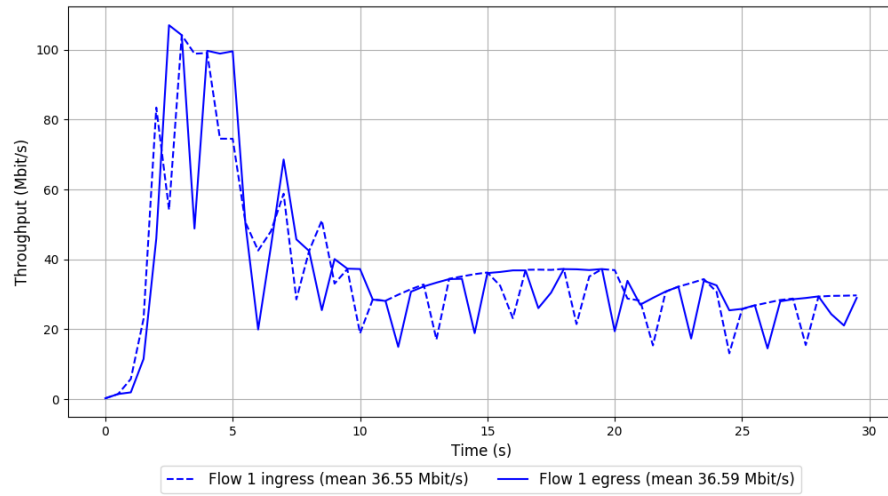
-- Flow 1:

Average throughput: 36.59 Mbit/s

95th percentile per-packet one-way delay: 147.213 ms

Loss rate: 0.81%

Run 10: Report of TCP Cubic — Data Link

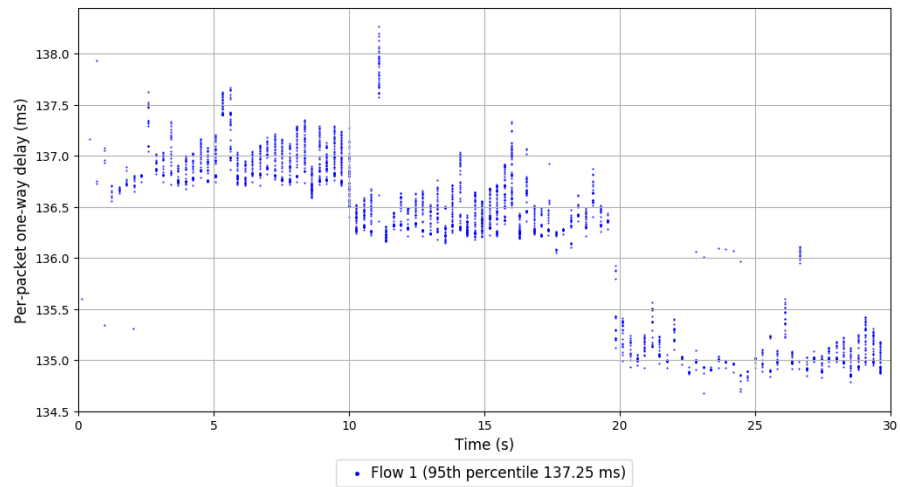
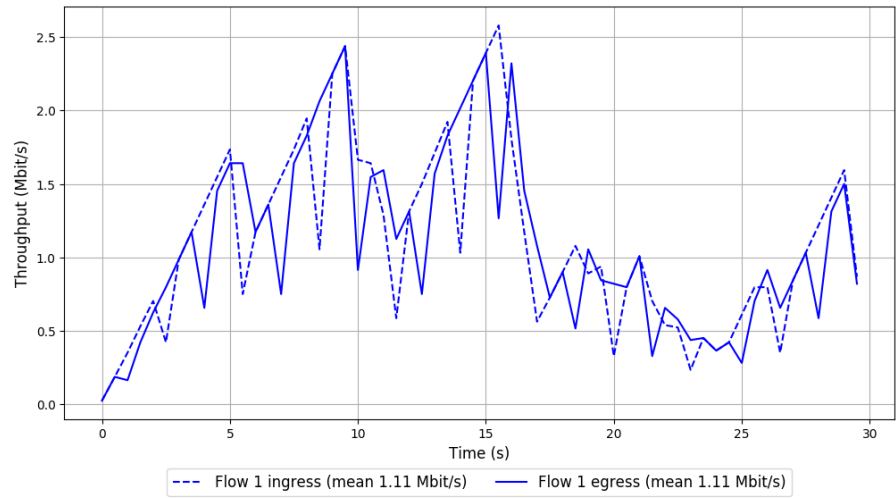


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-16 22:24:05
End at: 2018-01-16 22:24:35

# Below is generated by plot.py at 2018-01-17 03:47:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 137.247 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 137.247 ms
Loss rate: 1.31%
```


Run 1: Report of LEDBAT — Data Link

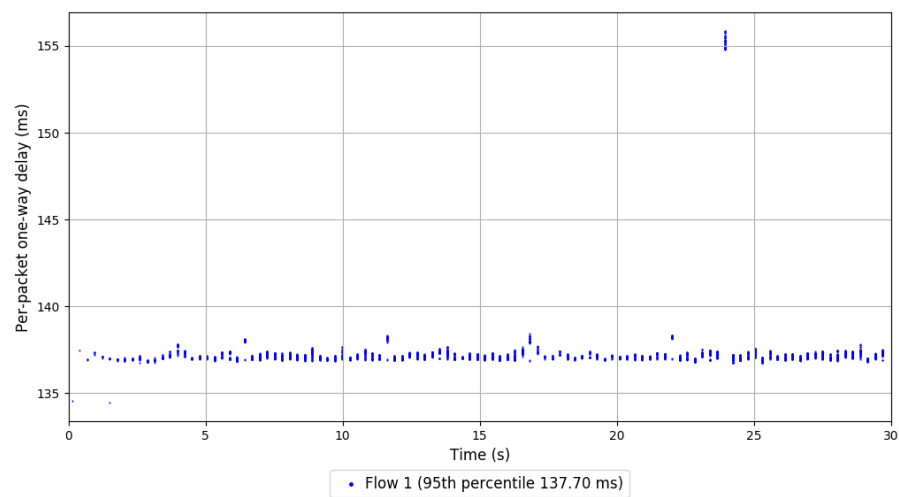
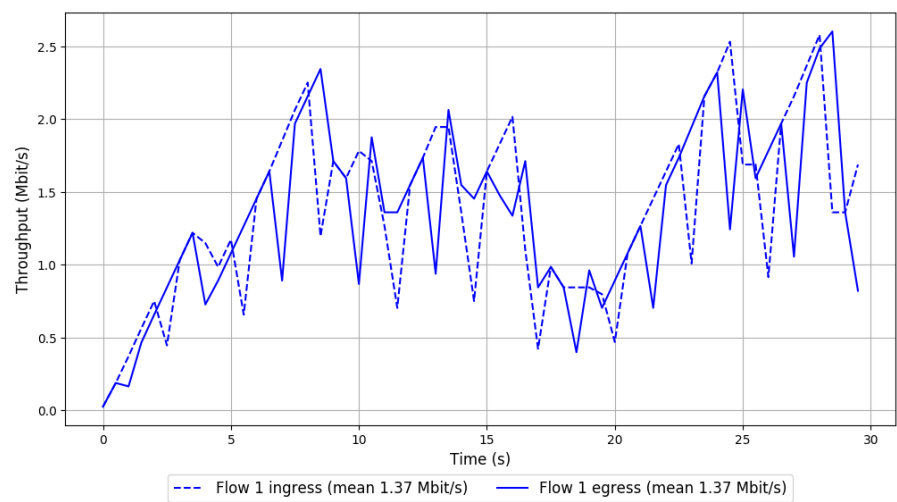


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-16 22:40:24
End at: 2018-01-16 22:40:54

# Below is generated by plot.py at 2018-01-17 03:47:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 137.701 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 137.701 ms
Loss rate: 1.14%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-16 22:56:22

End at: 2018-01-16 22:56:52

Below is generated by plot.py at 2018-01-17 03:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 137.817 ms

Loss rate: 1.17%

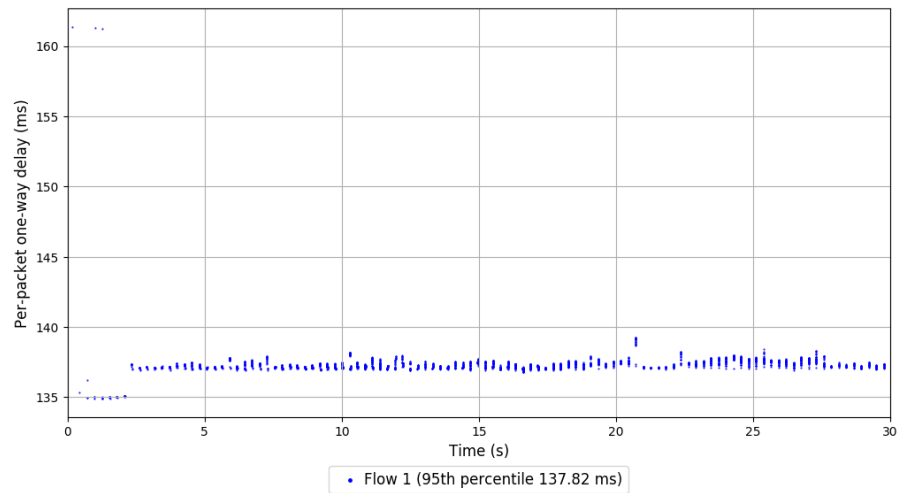
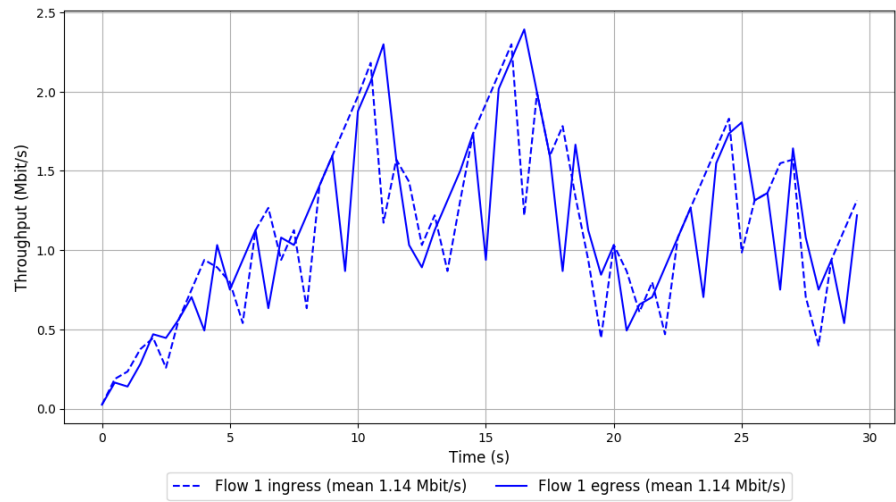
-- Flow 1:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 137.817 ms

Loss rate: 1.17%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-16 23:11:41

End at: 2018-01-16 23:12:11

Below is generated by plot.py at 2018-01-17 03:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 136.625 ms

Loss rate: 1.11%

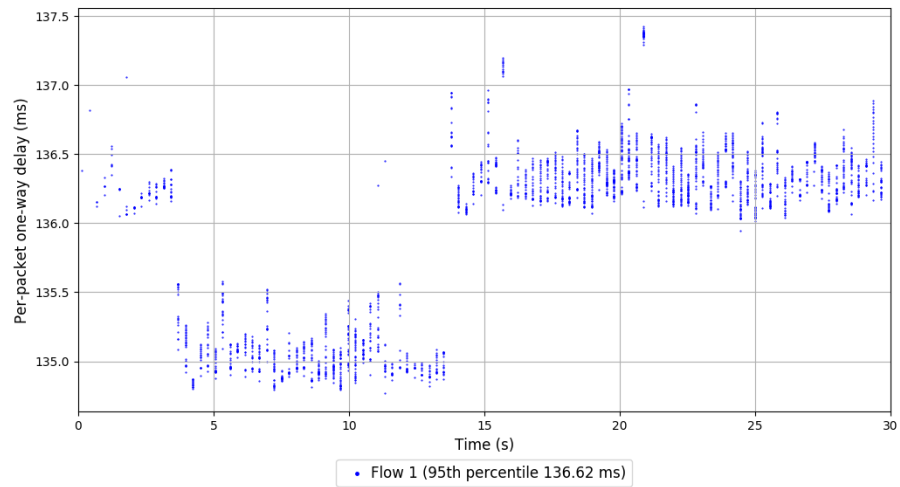
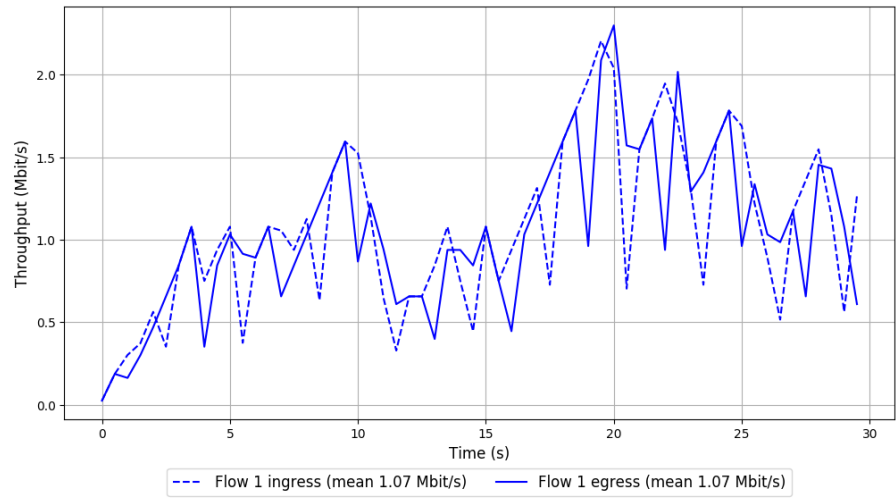
-- Flow 1:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 136.625 ms

Loss rate: 1.11%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-16 23:27:39

End at: 2018-01-16 23:28:09

Below is generated by plot.py at 2018-01-17 03:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 136.647 ms

Loss rate: 0.88%

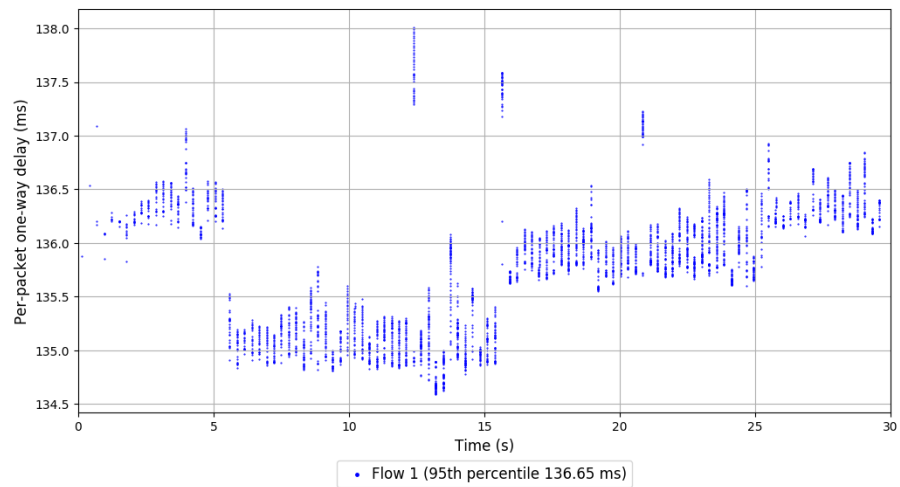
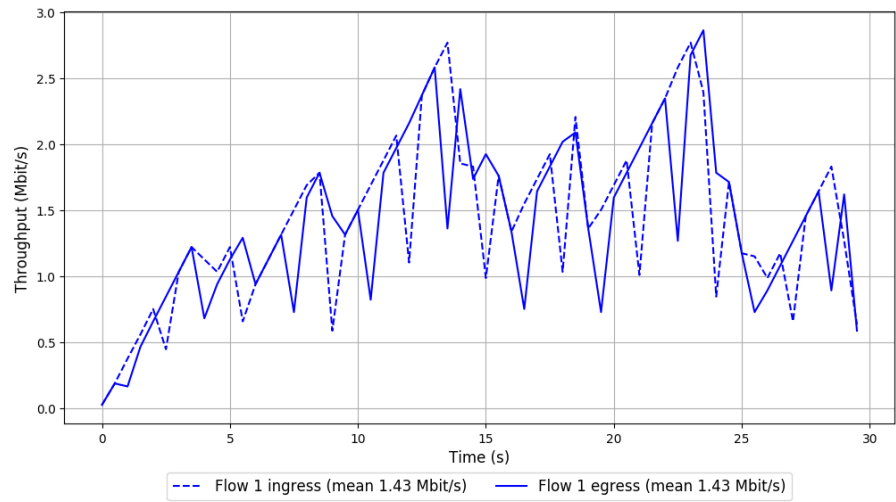
-- Flow 1:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 136.647 ms

Loss rate: 0.88%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-16 23:43:36

End at: 2018-01-16 23:44:06

Below is generated by plot.py at 2018-01-17 03:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 136.298 ms

Loss rate: 1.19%

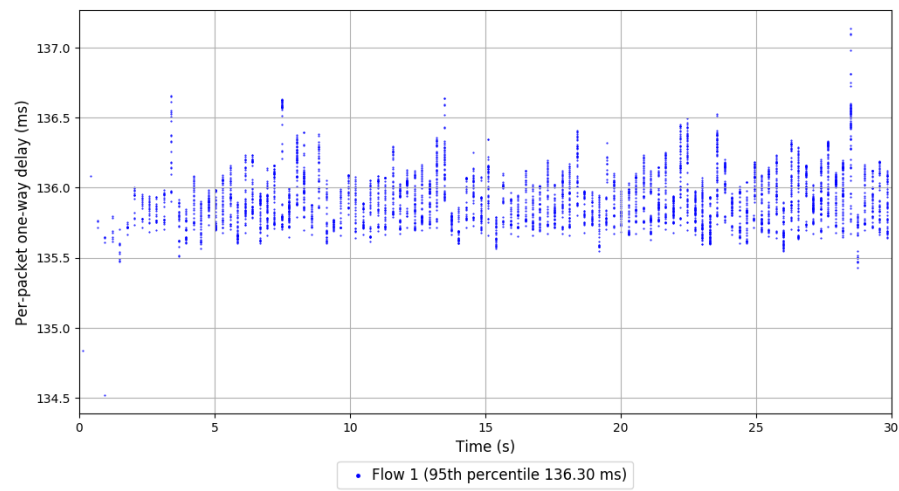
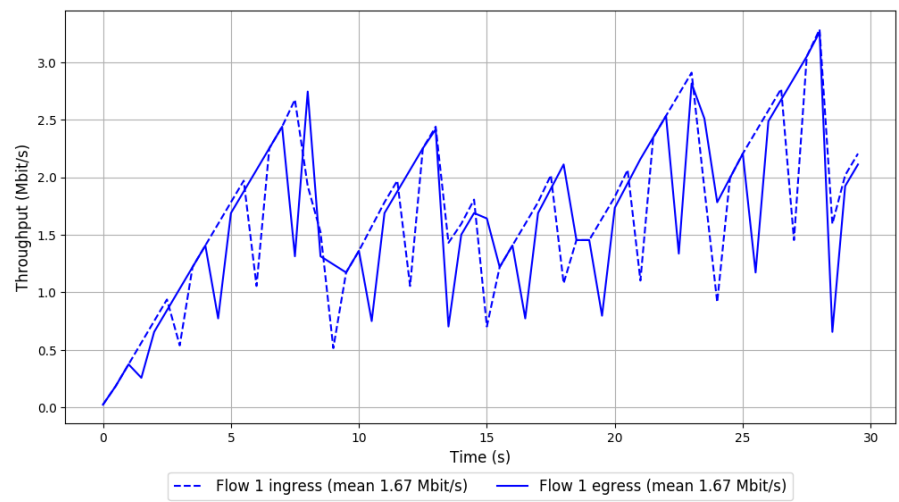
-- Flow 1:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 136.298 ms

Loss rate: 1.19%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-16 23:59:20

End at: 2018-01-16 23:59:50

Below is generated by plot.py at 2018-01-17 03:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 136.209 ms

Loss rate: 1.09%

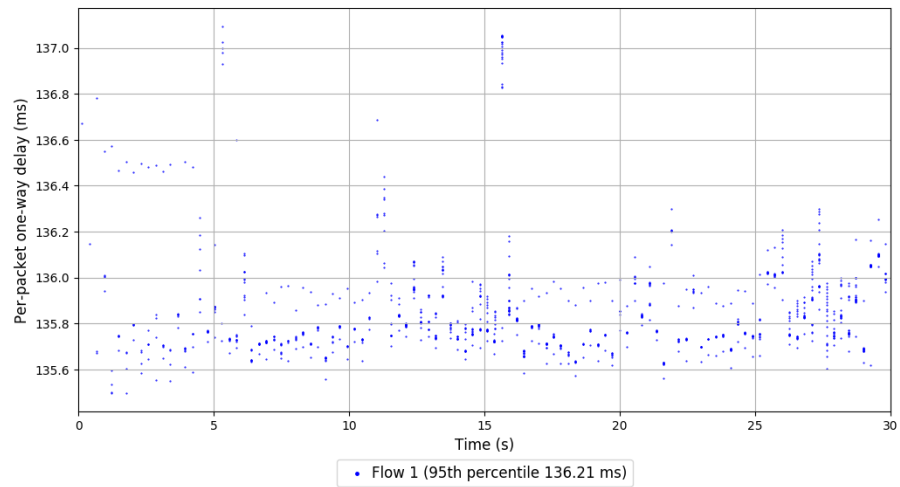
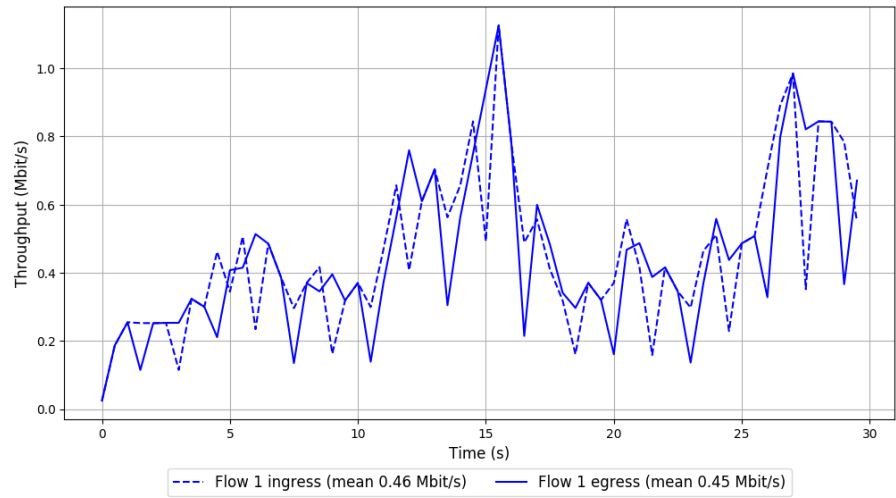
-- Flow 1:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 136.209 ms

Loss rate: 1.09%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-17 00:15:20

End at: 2018-01-17 00:15:50

Below is generated by plot.py at 2018-01-17 03:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.33 Mbit/s

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

Loss rate: 0.89%

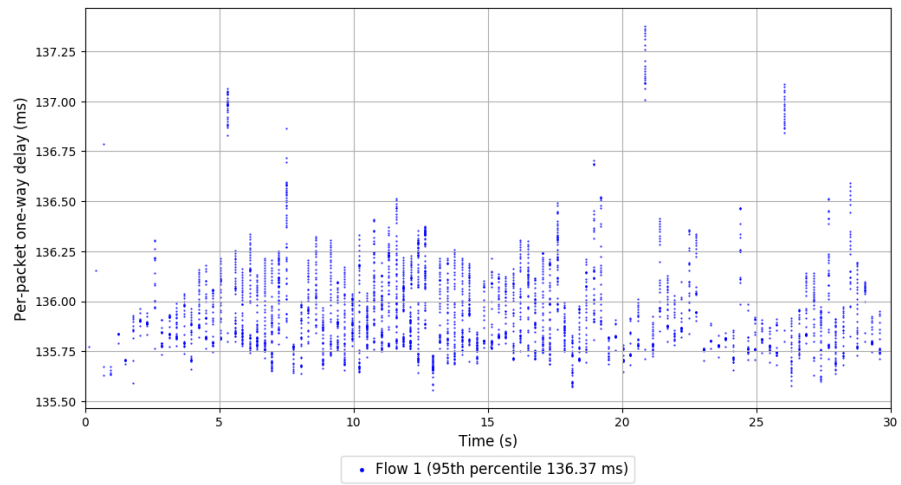
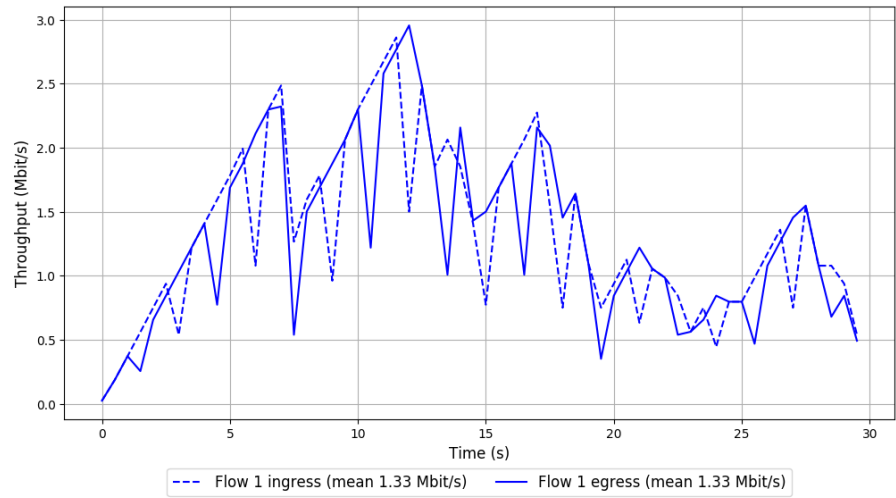
-- Flow 1:

Average throughput: 1.33 Mbit/s

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

Loss rate: 0.89%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-17 00:31:03

End at: 2018-01-17 00:31:33

Below is generated by plot.py at 2018-01-17 03:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 136.520 ms

Loss rate: 1.54%

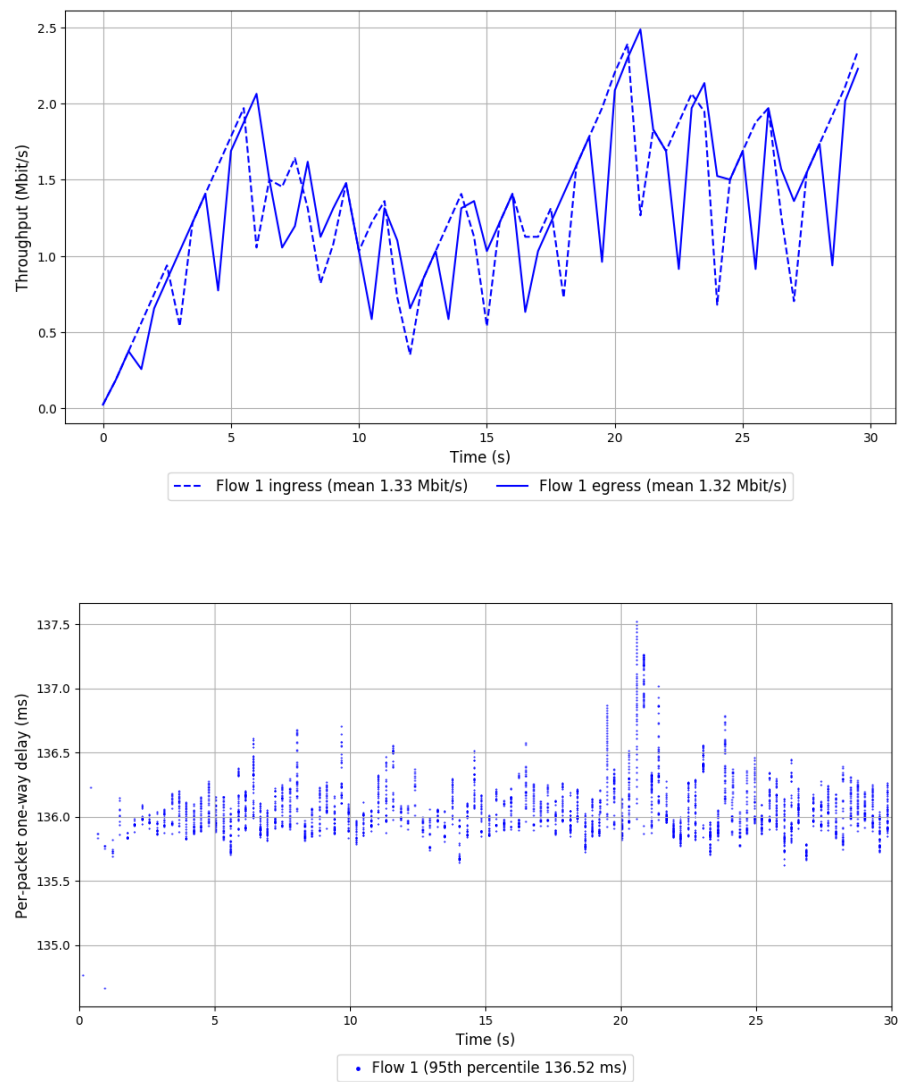
-- Flow 1:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 136.520 ms

Loss rate: 1.54%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-17 00:46:59

End at: 2018-01-17 00:47:29

Below is generated by plot.py at 2018-01-17 03:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 137.921 ms

Loss rate: 0.76%

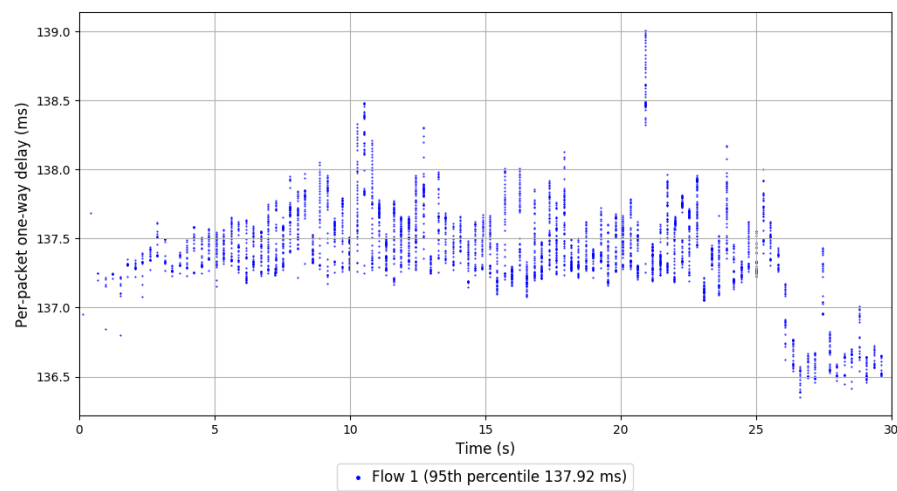
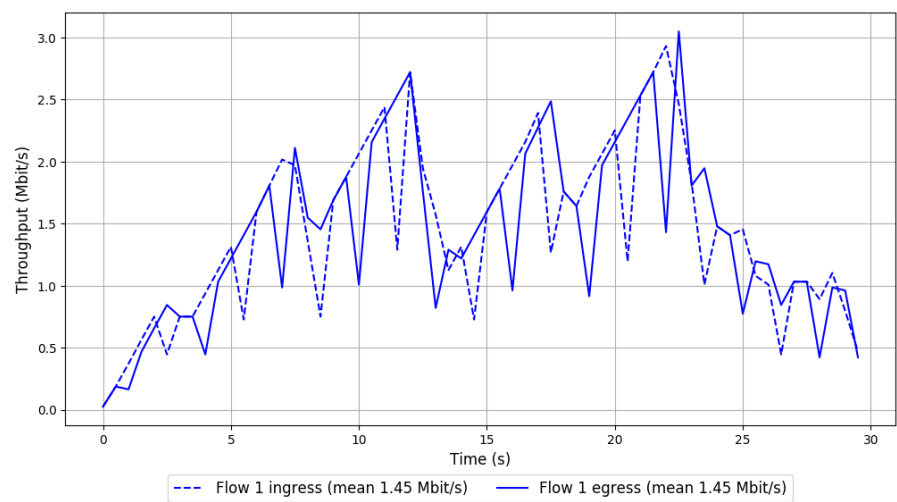
-- Flow 1:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 137.921 ms

Loss rate: 0.76%

Run 10: Report of LEDBAT — Data Link

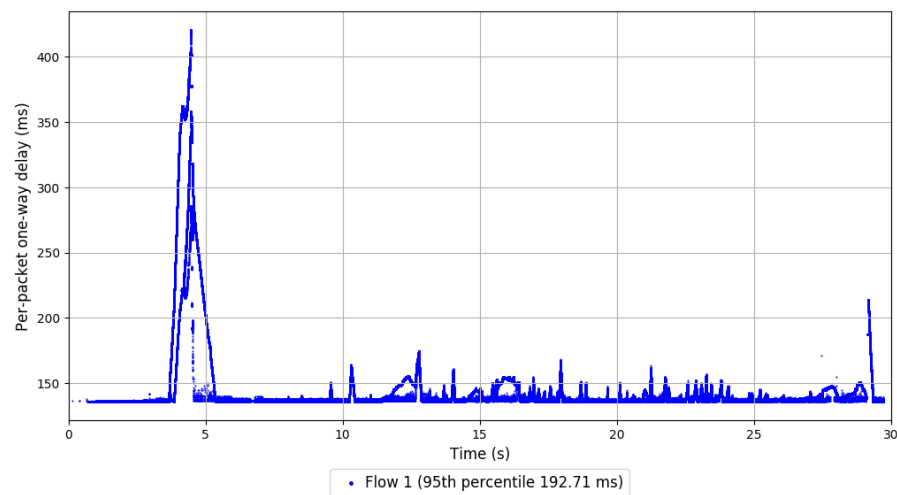
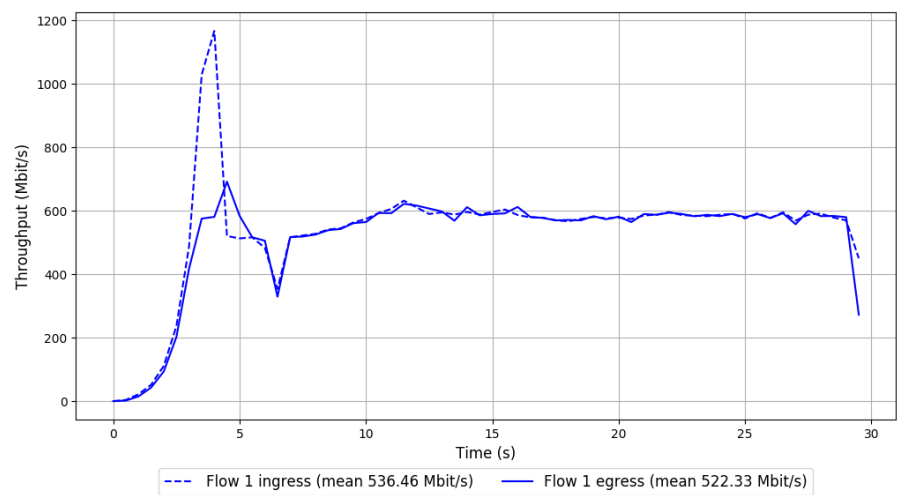


```
Run 1: Statistics of PCC

Start at: 2018-01-16 22:24:47
End at: 2018-01-16 22:25:17

# Below is generated by plot.py at 2018-01-17 03:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 522.33 Mbit/s
95th percentile per-packet one-way delay: 192.710 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 522.33 Mbit/s
95th percentile per-packet one-way delay: 192.710 ms
Loss rate: 3.53%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-16 22:41:06

End at: 2018-01-16 22:41:36

Below is generated by plot.py at 2018-01-17 03:55:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.28 Mbit/s

95th percentile per-packet one-way delay: 229.105 ms

Loss rate: 3.70%

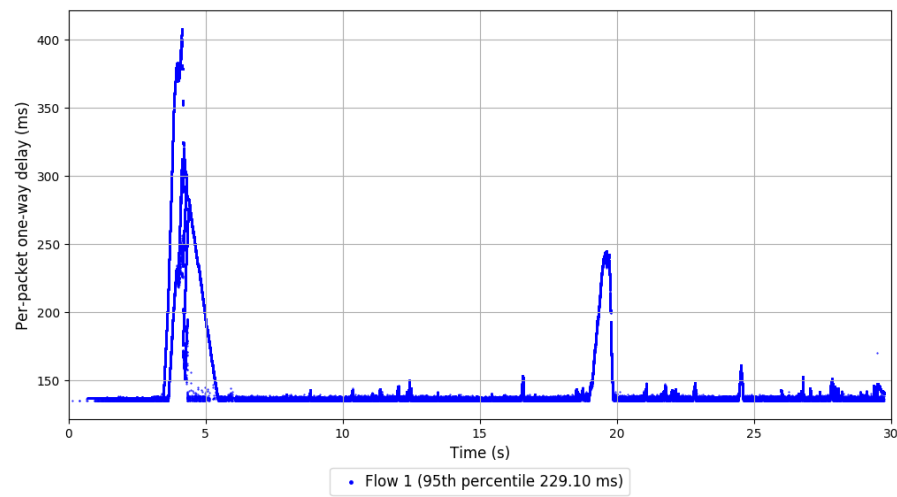
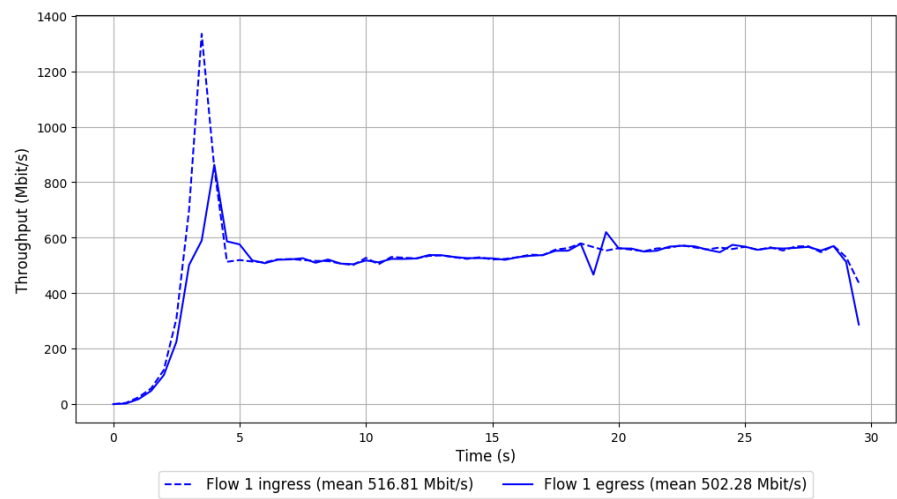
-- Flow 1:

Average throughput: 502.28 Mbit/s

95th percentile per-packet one-way delay: 229.105 ms

Loss rate: 3.70%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-16 22:57:05

End at: 2018-01-16 22:57:35

Below is generated by plot.py at 2018-01-17 03:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.75 Mbit/s

95th percentile per-packet one-way delay: 236.302 ms

Loss rate: 2.95%

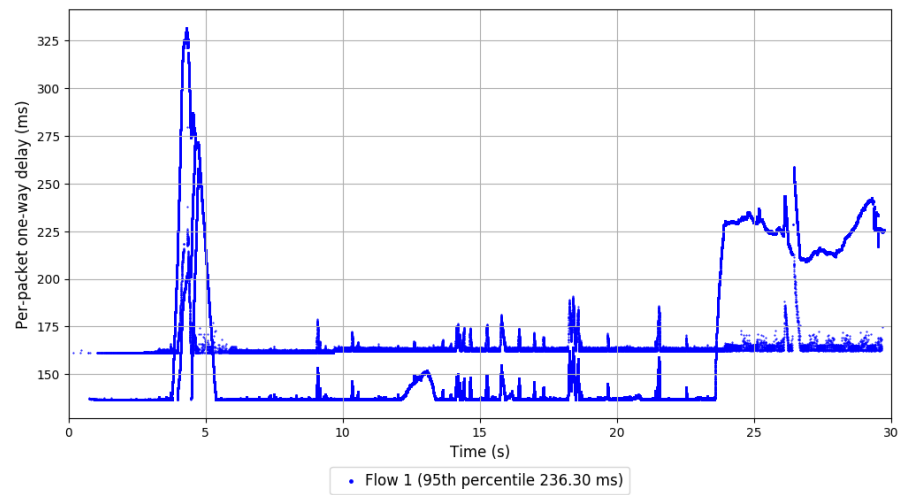
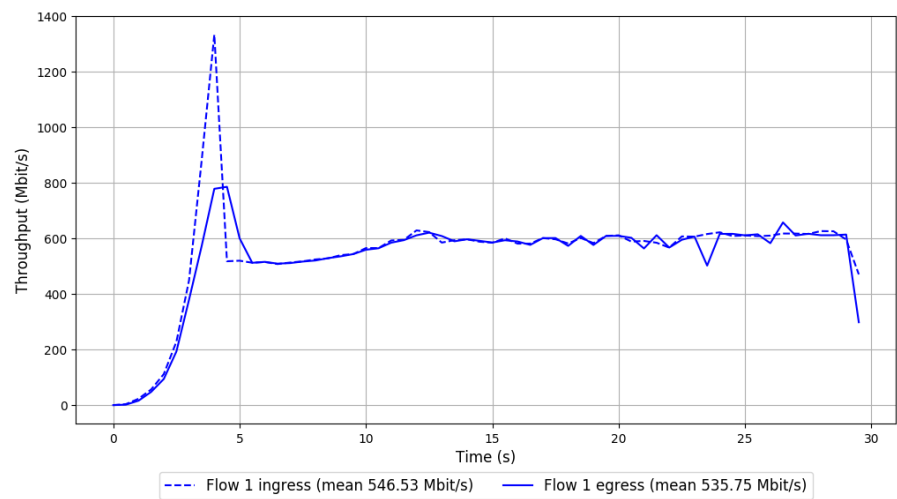
-- Flow 1:

Average throughput: 535.75 Mbit/s

95th percentile per-packet one-way delay: 236.302 ms

Loss rate: 2.95%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-16 23:12:23

End at: 2018-01-16 23:12:53

Below is generated by plot.py at 2018-01-17 03:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 505.18 Mbit/s

95th percentile per-packet one-way delay: 190.549 ms

Loss rate: 3.52%

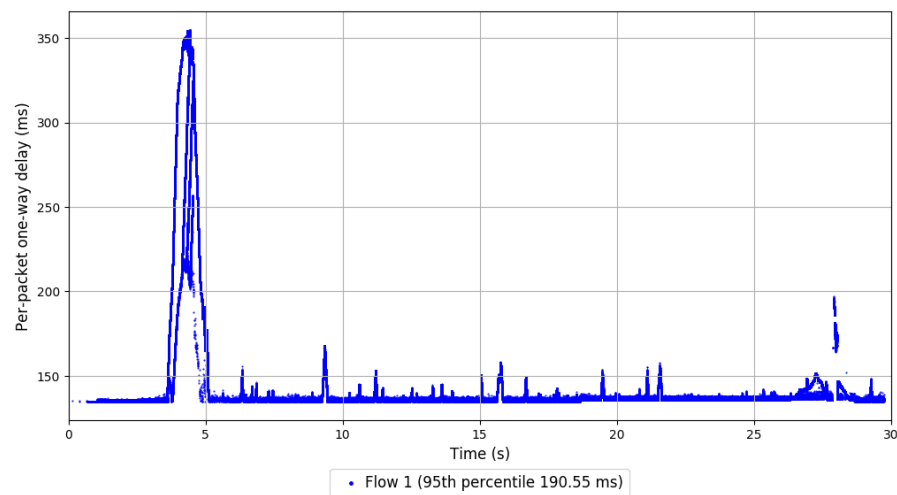
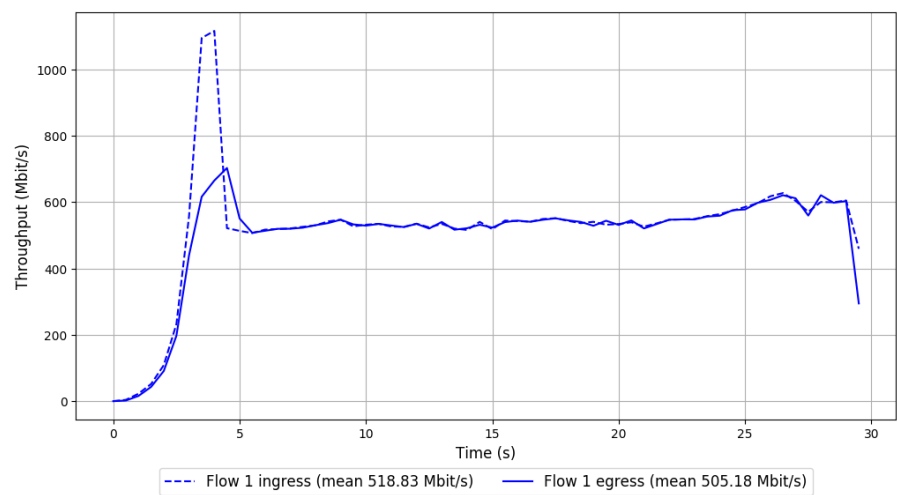
-- Flow 1:

Average throughput: 505.18 Mbit/s

95th percentile per-packet one-way delay: 190.549 ms

Loss rate: 3.52%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-16 23:28:21

End at: 2018-01-16 23:28:52

Below is generated by plot.py at 2018-01-17 03:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.82 Mbit/s

95th percentile per-packet one-way delay: 181.588 ms

Loss rate: 2.37%

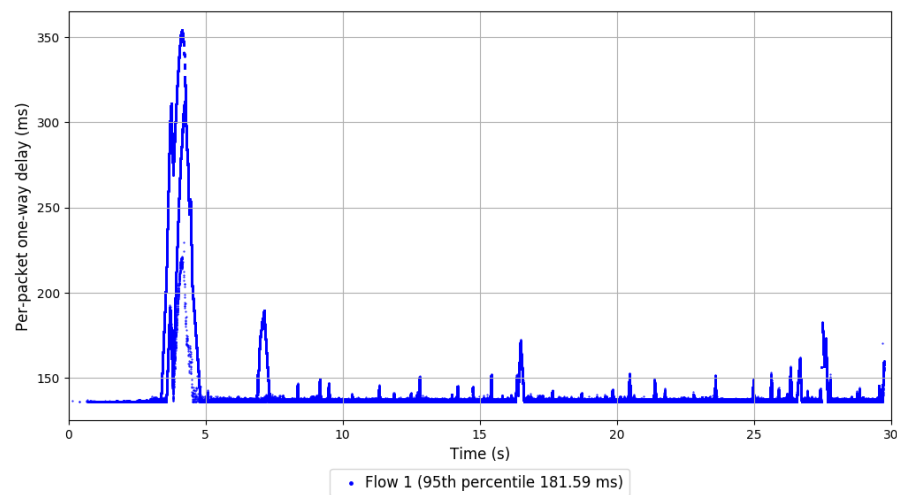
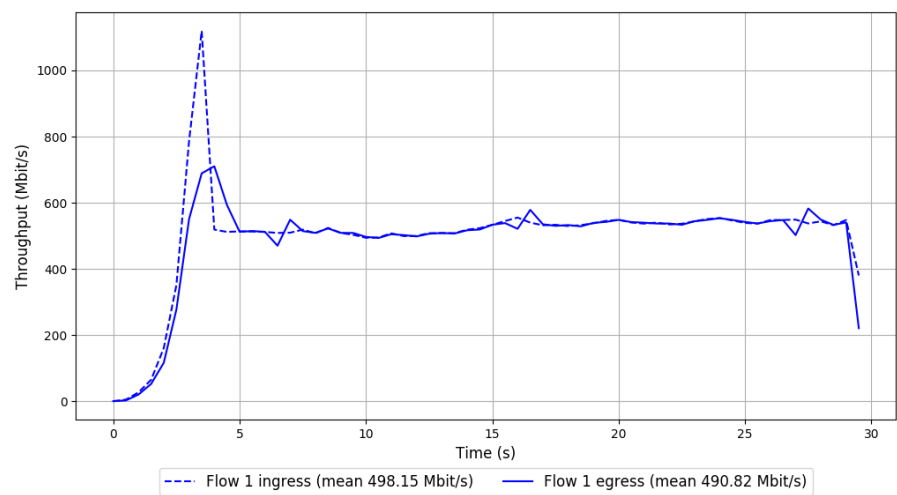
-- Flow 1:

Average throughput: 490.82 Mbit/s

95th percentile per-packet one-way delay: 181.588 ms

Loss rate: 2.37%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-16 23:44:19

End at: 2018-01-16 23:44:49

Below is generated by plot.py at 2018-01-17 03:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.23 Mbit/s

95th percentile per-packet one-way delay: 170.230 ms

Loss rate: 4.42%

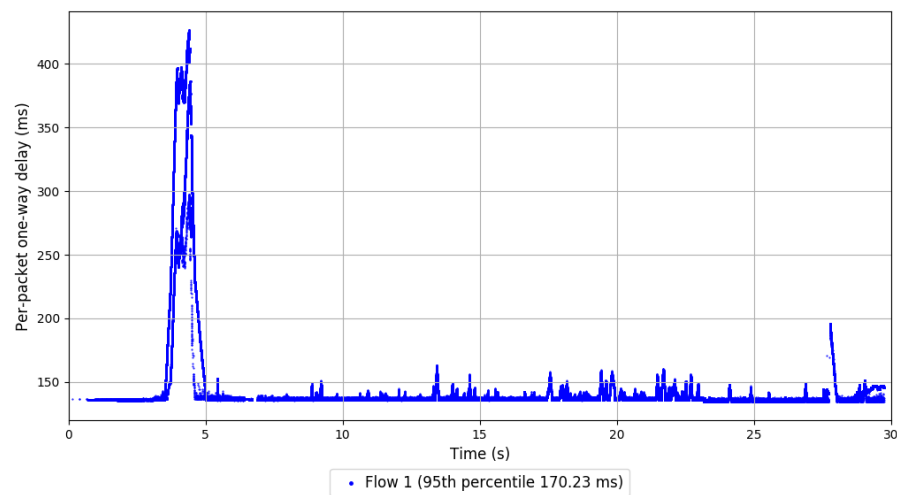
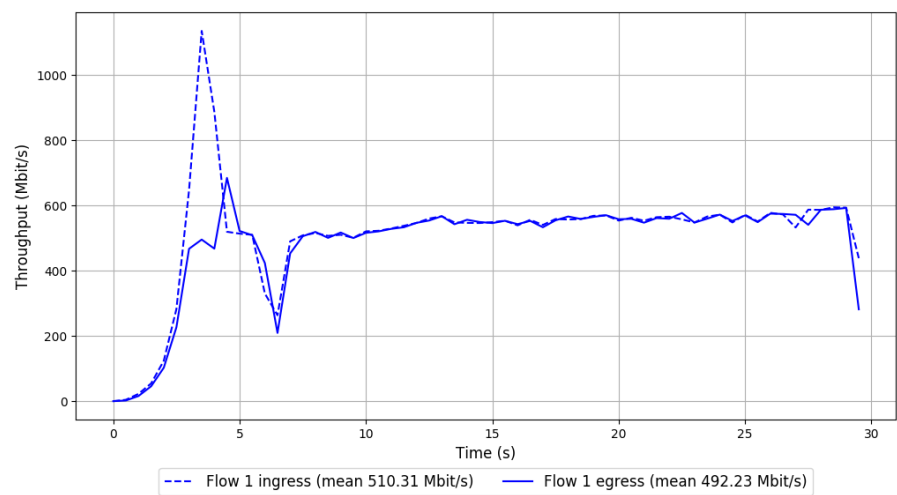
-- Flow 1:

Average throughput: 492.23 Mbit/s

95th percentile per-packet one-way delay: 170.230 ms

Loss rate: 4.42%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-17 00:00:02

End at: 2018-01-17 00:00:33

Below is generated by plot.py at 2018-01-17 03:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.09 Mbit/s

95th percentile per-packet one-way delay: 195.393 ms

Loss rate: 3.18%

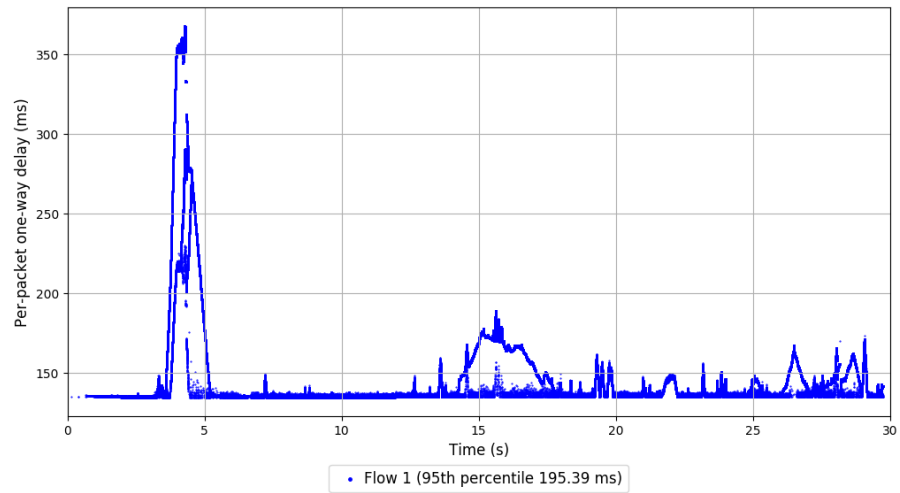
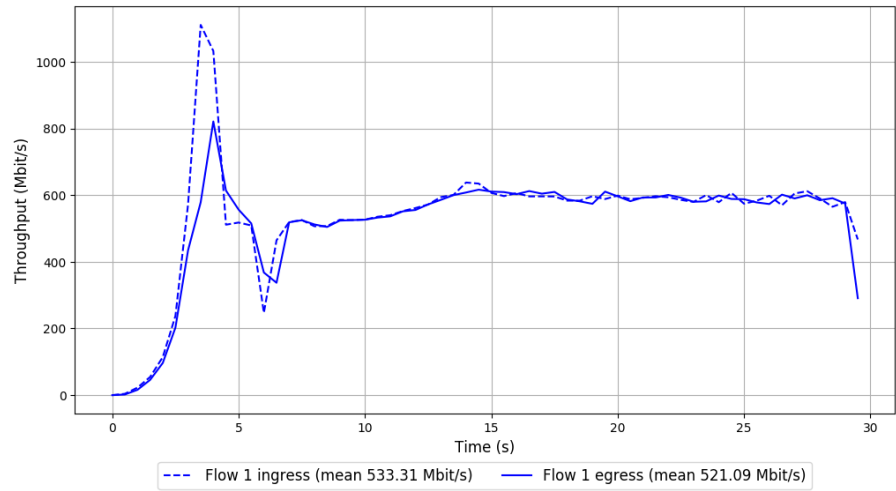
-- Flow 1:

Average throughput: 521.09 Mbit/s

95th percentile per-packet one-way delay: 195.393 ms

Loss rate: 3.18%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-17 00:16:03

End at: 2018-01-17 00:16:33

Below is generated by plot.py at 2018-01-17 03:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 522.79 Mbit/s

95th percentile per-packet one-way delay: 188.666 ms

Loss rate: 2.86%

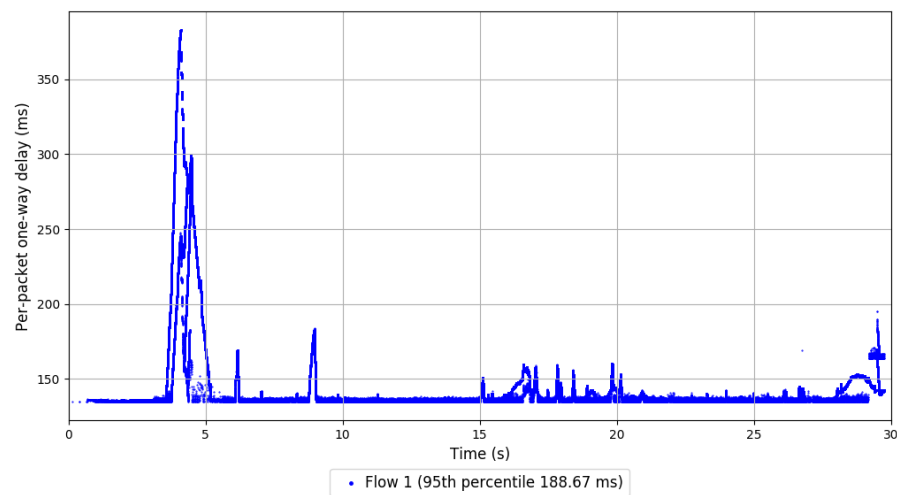
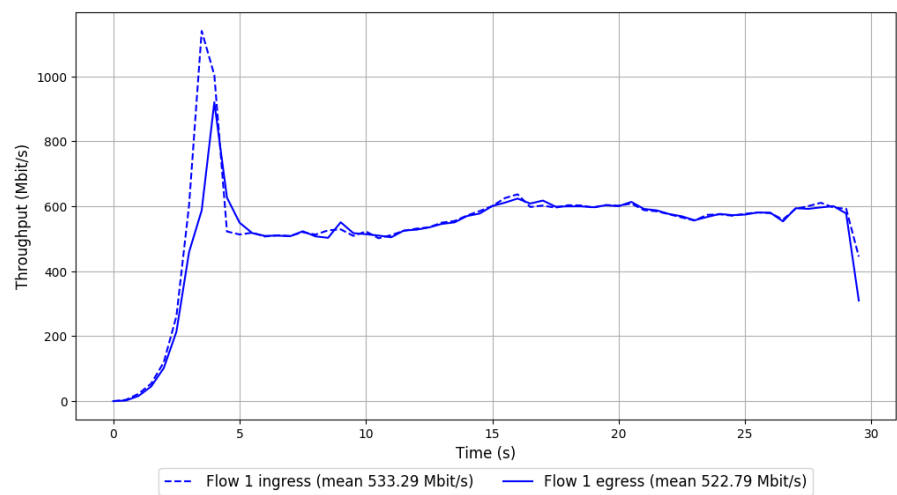
-- Flow 1:

Average throughput: 522.79 Mbit/s

95th percentile per-packet one-way delay: 188.666 ms

Loss rate: 2.86%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-17 00:31:46

End at: 2018-01-17 00:32:16

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.69 Mbit/s

95th percentile per-packet one-way delay: 214.417 ms

Loss rate: 3.21%

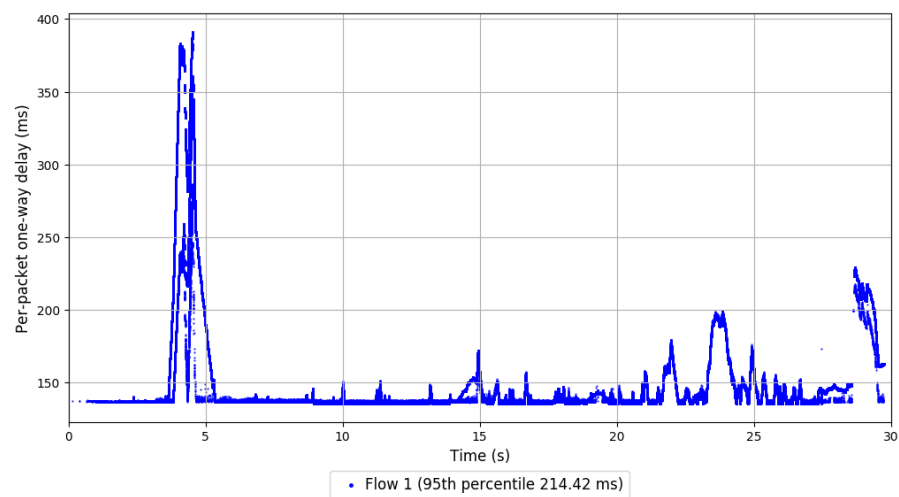
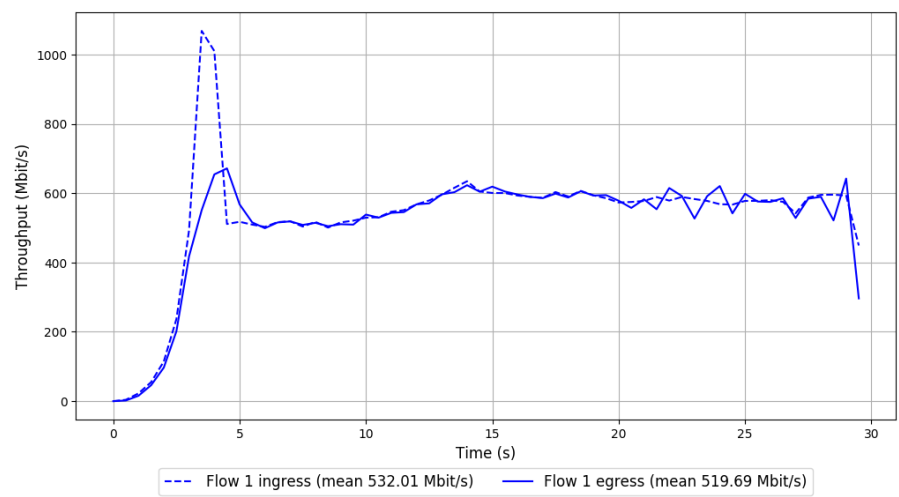
-- Flow 1:

Average throughput: 519.69 Mbit/s

95th percentile per-packet one-way delay: 214.417 ms

Loss rate: 3.21%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-17 00:47:42

End at: 2018-01-17 00:48:12

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 483.60 Mbit/s

95th percentile per-packet one-way delay: 257.798 ms

Loss rate: 5.38%

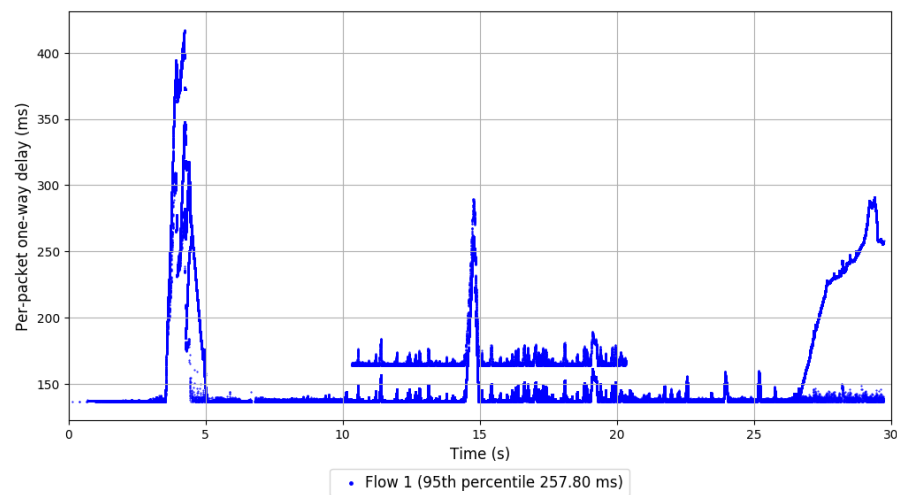
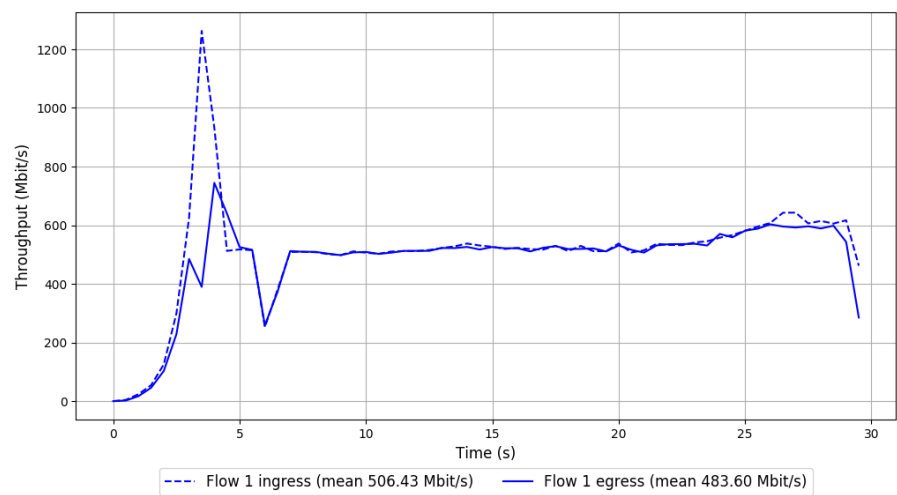
-- Flow 1:

Average throughput: 483.60 Mbit/s

95th percentile per-packet one-way delay: 257.798 ms

Loss rate: 5.38%

Run 10: Report of PCC — Data Link

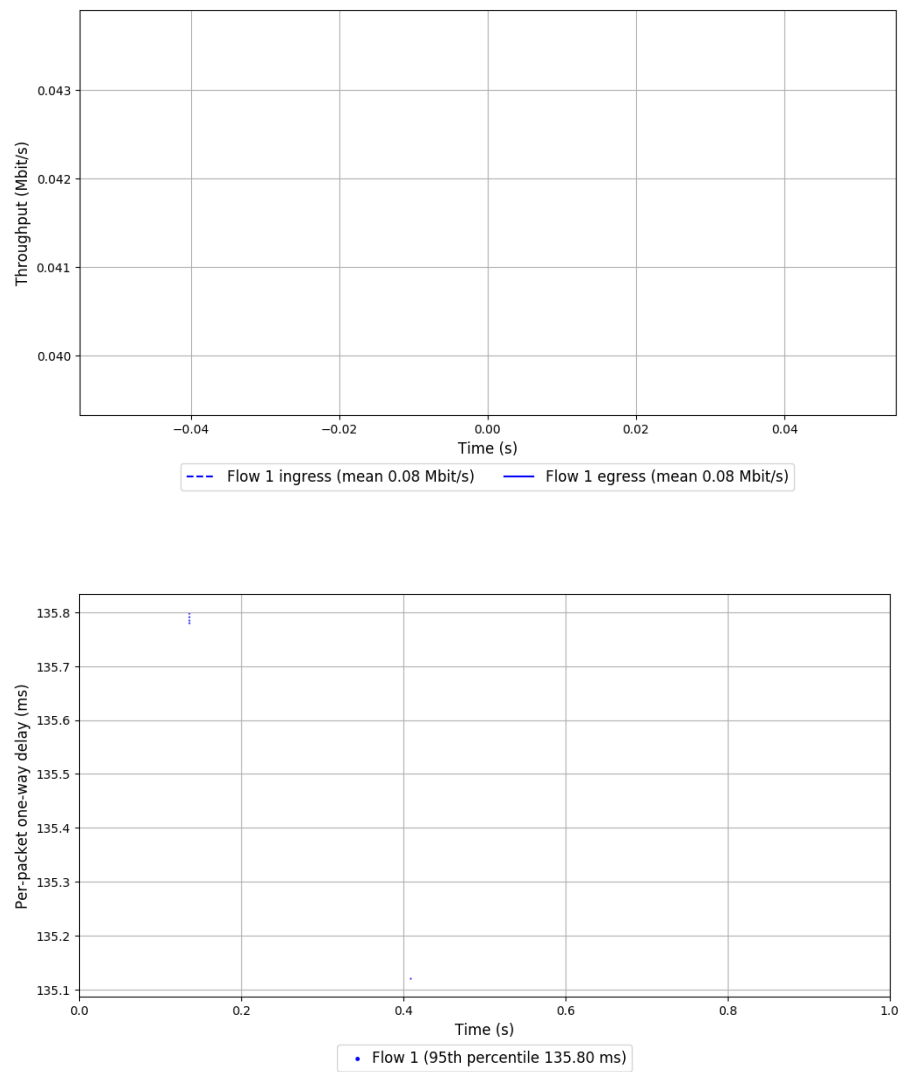


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 22:32:21

End at: 2018-01-16 22:32:51

Run 1: Report of QUIC Cubic — Data Link

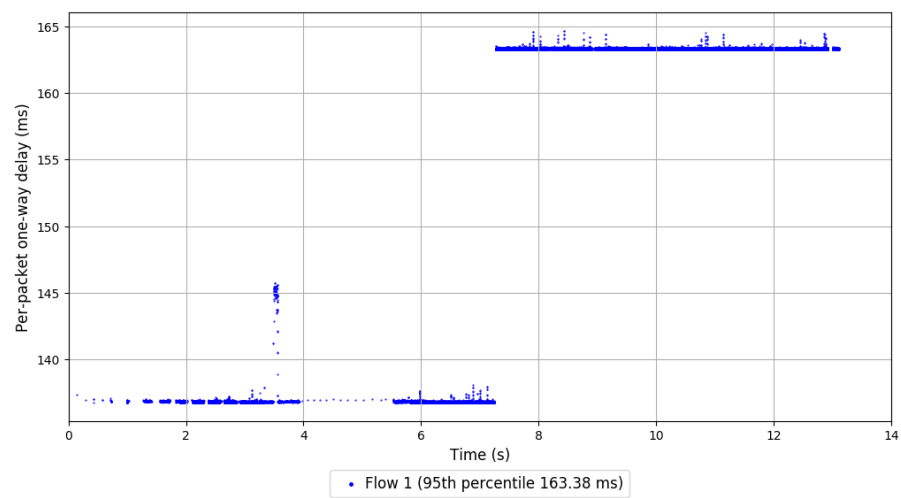
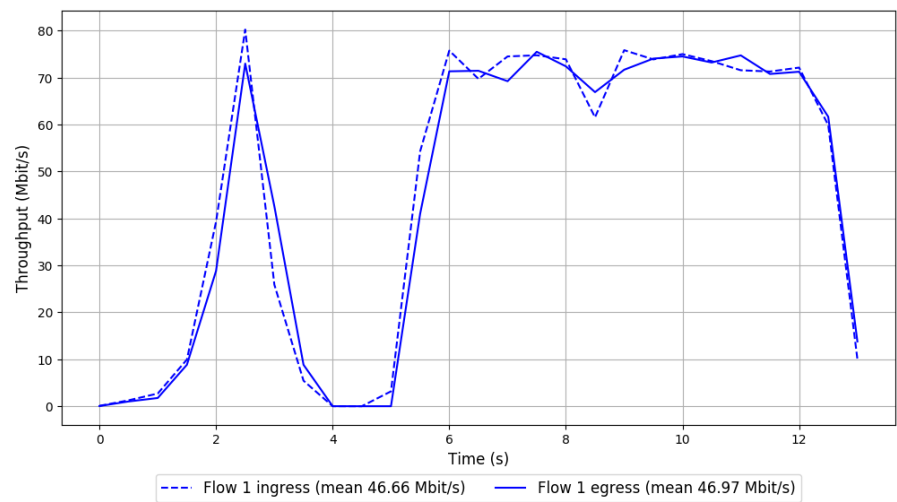


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 22:48:21

End at: 2018-01-16 22:48:51

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-16 23:04:04

End at: 2018-01-16 23:04:34

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.34 Mbit/s

95th percentile per-packet one-way delay: 162.434 ms

Loss rate: 1.04%

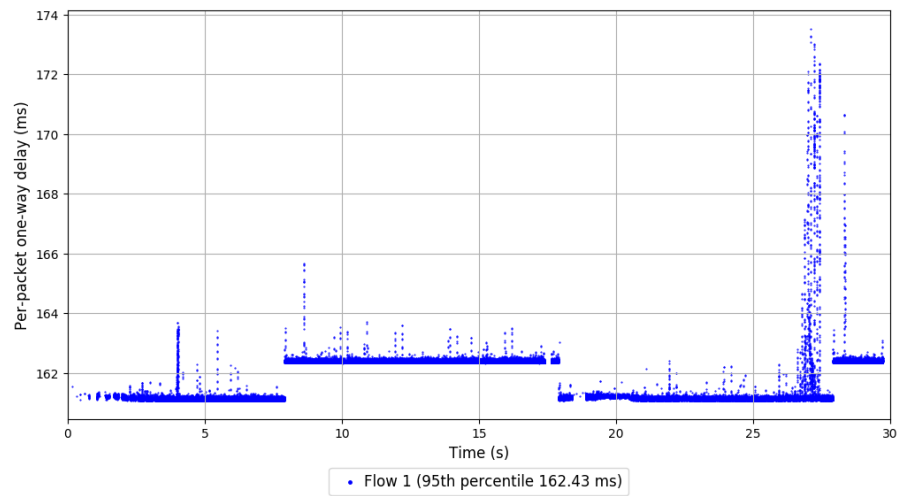
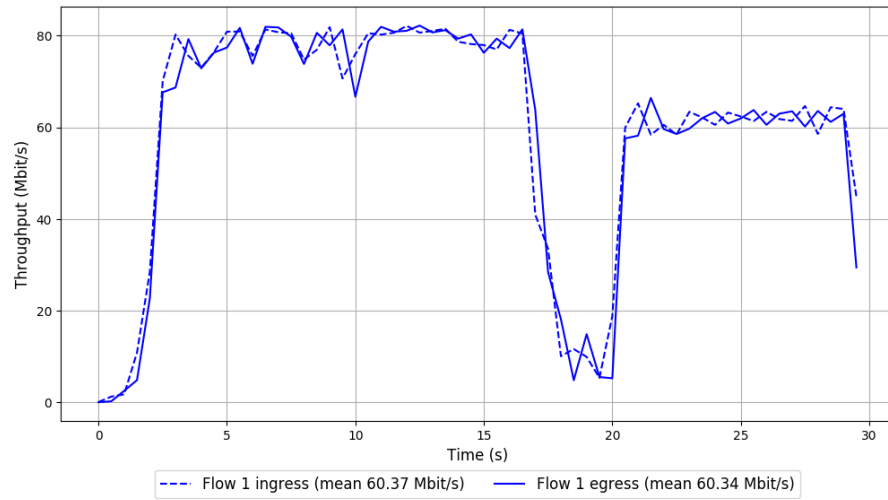
-- Flow 1:

Average throughput: 60.34 Mbit/s

95th percentile per-packet one-way delay: 162.434 ms

Loss rate: 1.04%

Run 3: Report of QUIC Cubic — Data Link

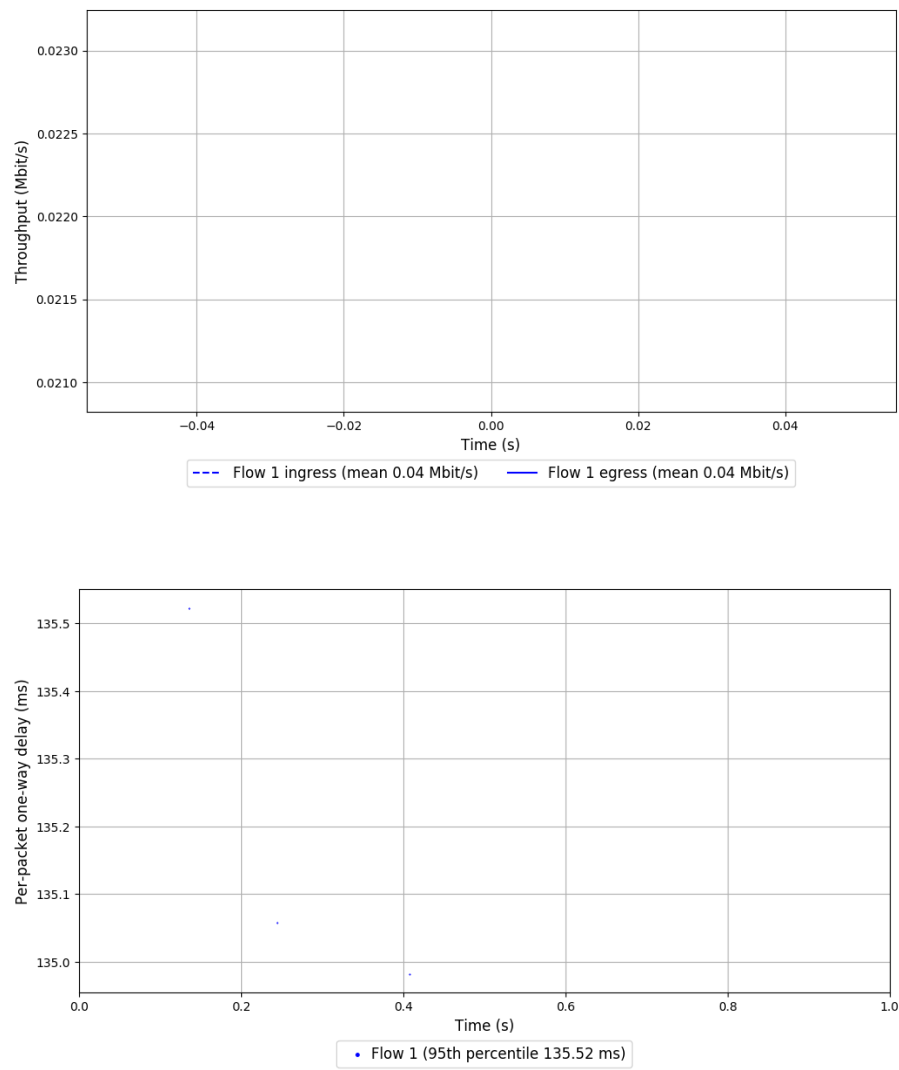


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-16 23:19:44

End at: 2018-01-16 23:20:14

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-16 23:35:29

End at: 2018-01-16 23:35:59

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.62 Mbit/s

95th percentile per-packet one-way delay: 136.060 ms

Loss rate: 1.21%

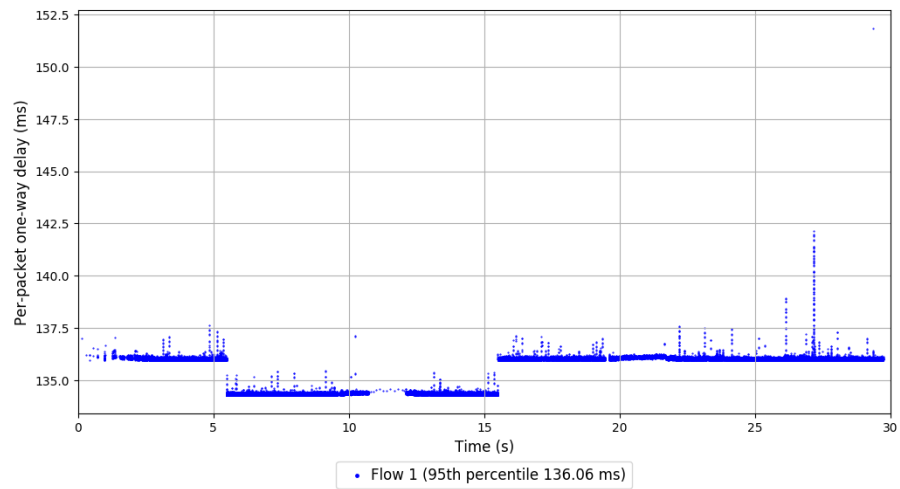
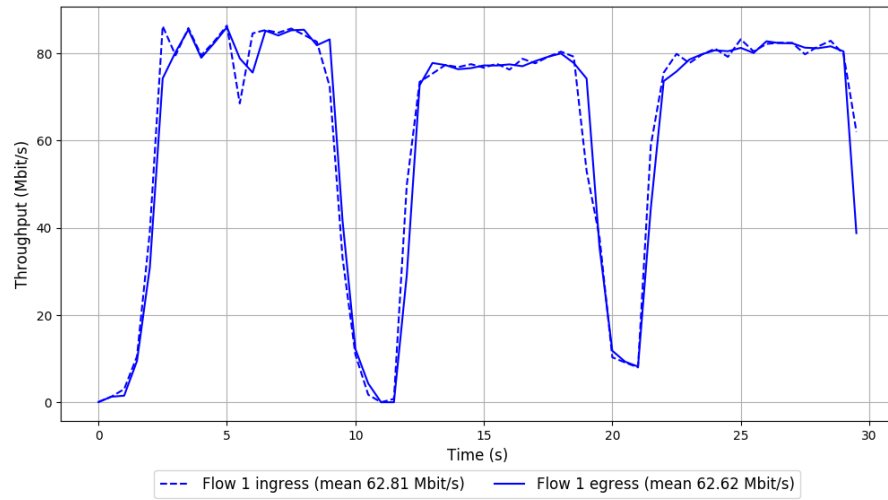
-- Flow 1:

Average throughput: 62.62 Mbit/s

95th percentile per-packet one-way delay: 136.060 ms

Loss rate: 1.21%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-16 23:51:05

End at: 2018-01-16 23:51:35

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.70 Mbit/s

95th percentile per-packet one-way delay: 136.157 ms

Loss rate: 1.33%

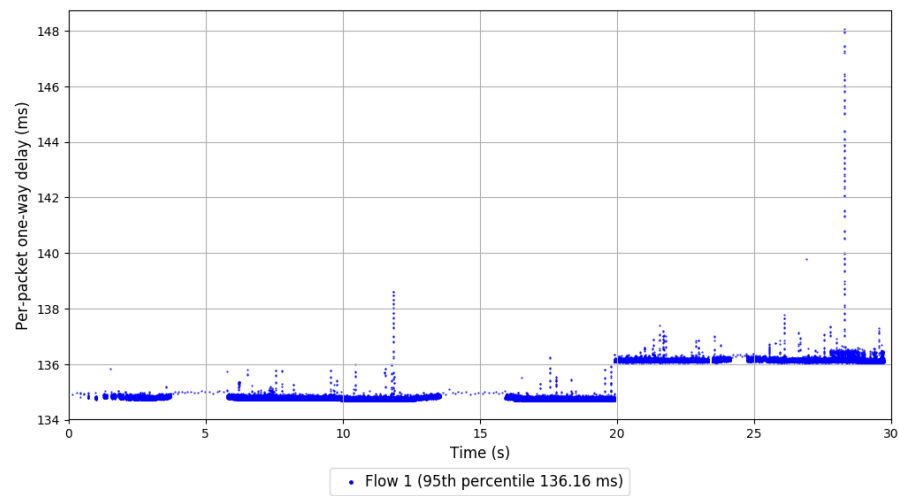
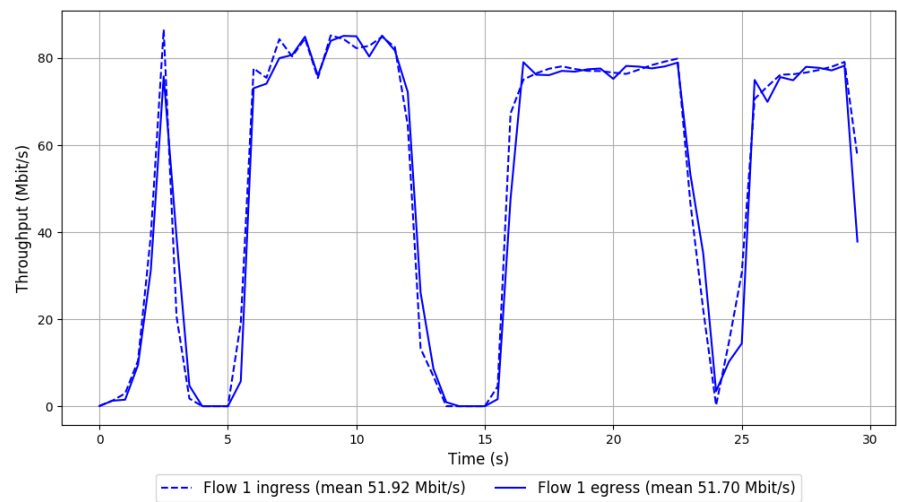
-- Flow 1:

Average throughput: 51.70 Mbit/s

95th percentile per-packet one-way delay: 136.157 ms

Loss rate: 1.33%

Run 6: Report of QUIC Cubic — Data Link

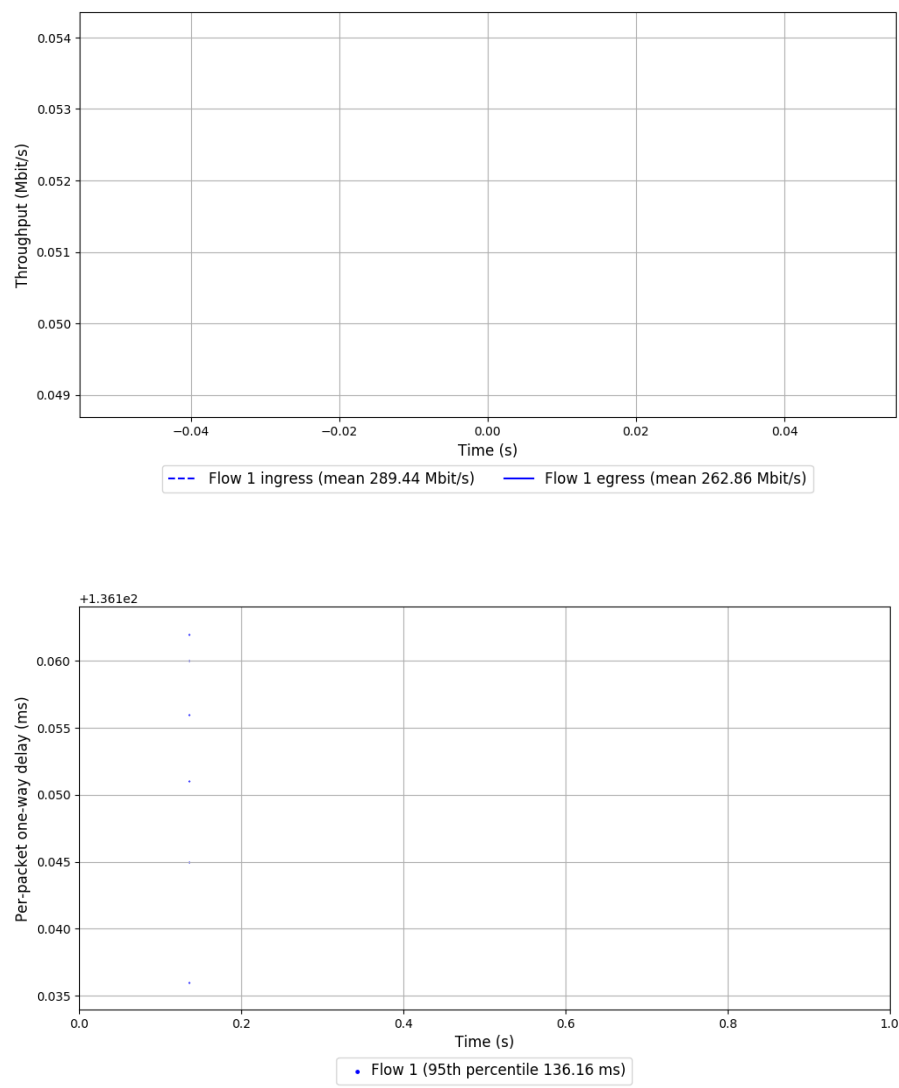


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-17 00:07:25

End at: 2018-01-17 00:07:55

Run 7: Report of QUIC Cubic — Data Link

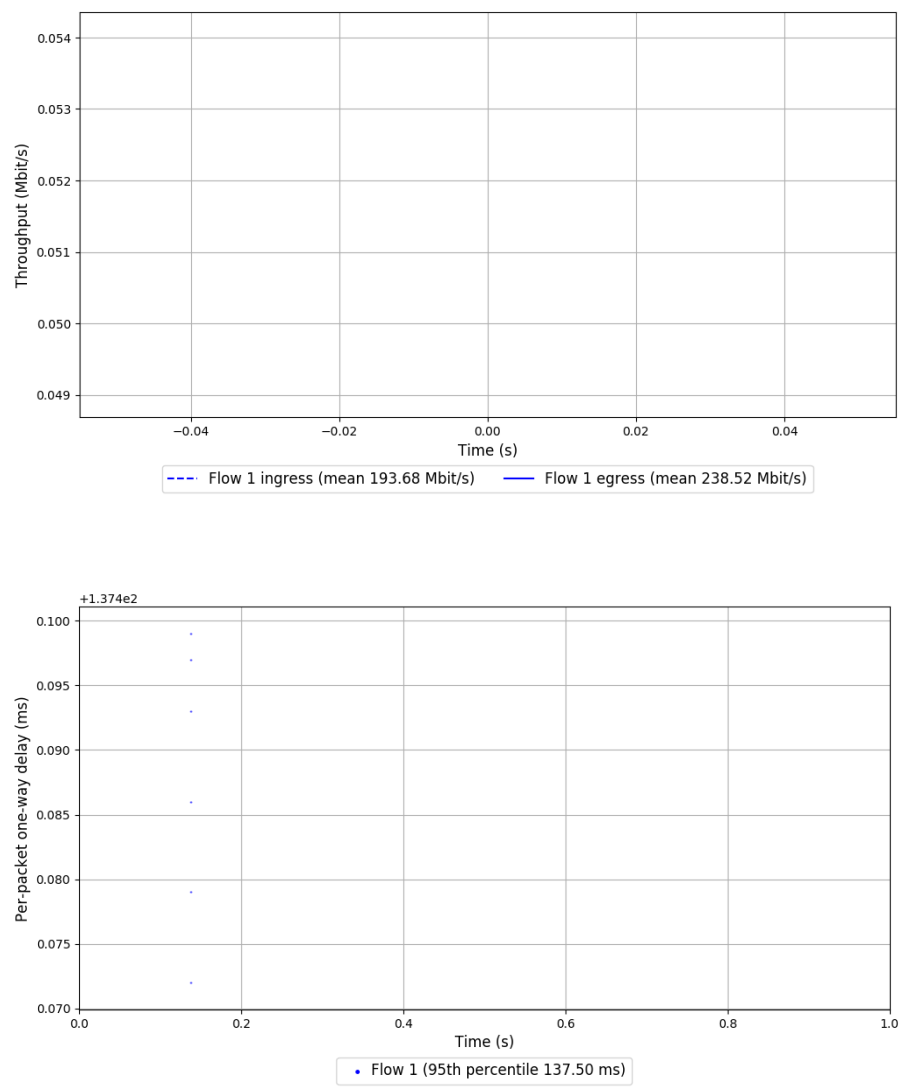


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-17 00:23:09

End at: 2018-01-17 00:23:39

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-17 00:38:54

End at: 2018-01-17 00:39:24

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.14 Mbit/s

95th percentile per-packet one-way delay: 136.882 ms

Loss rate: 1.25%

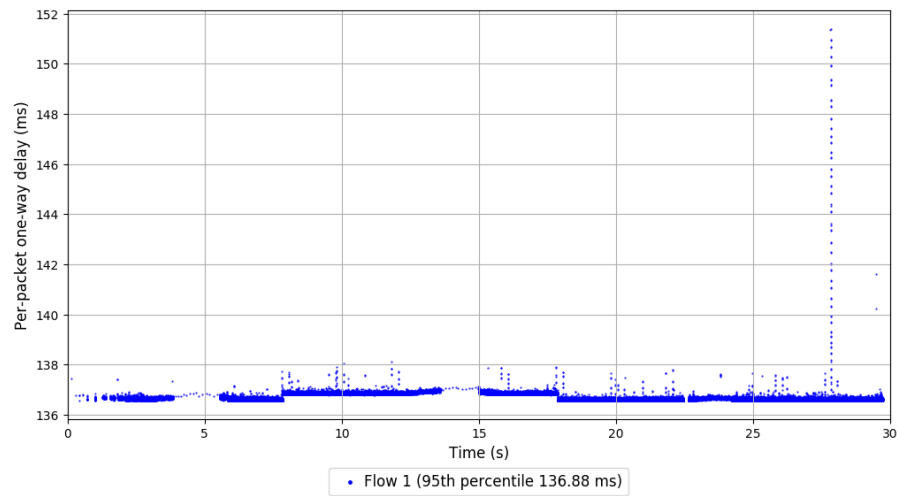
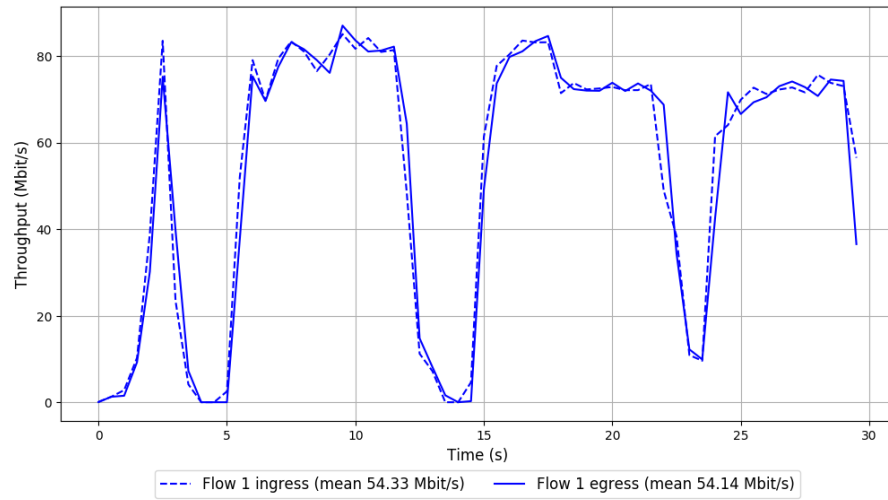
-- Flow 1:

Average throughput: 54.14 Mbit/s

95th percentile per-packet one-way delay: 136.882 ms

Loss rate: 1.25%

Run 9: Report of QUIC Cubic — Data Link

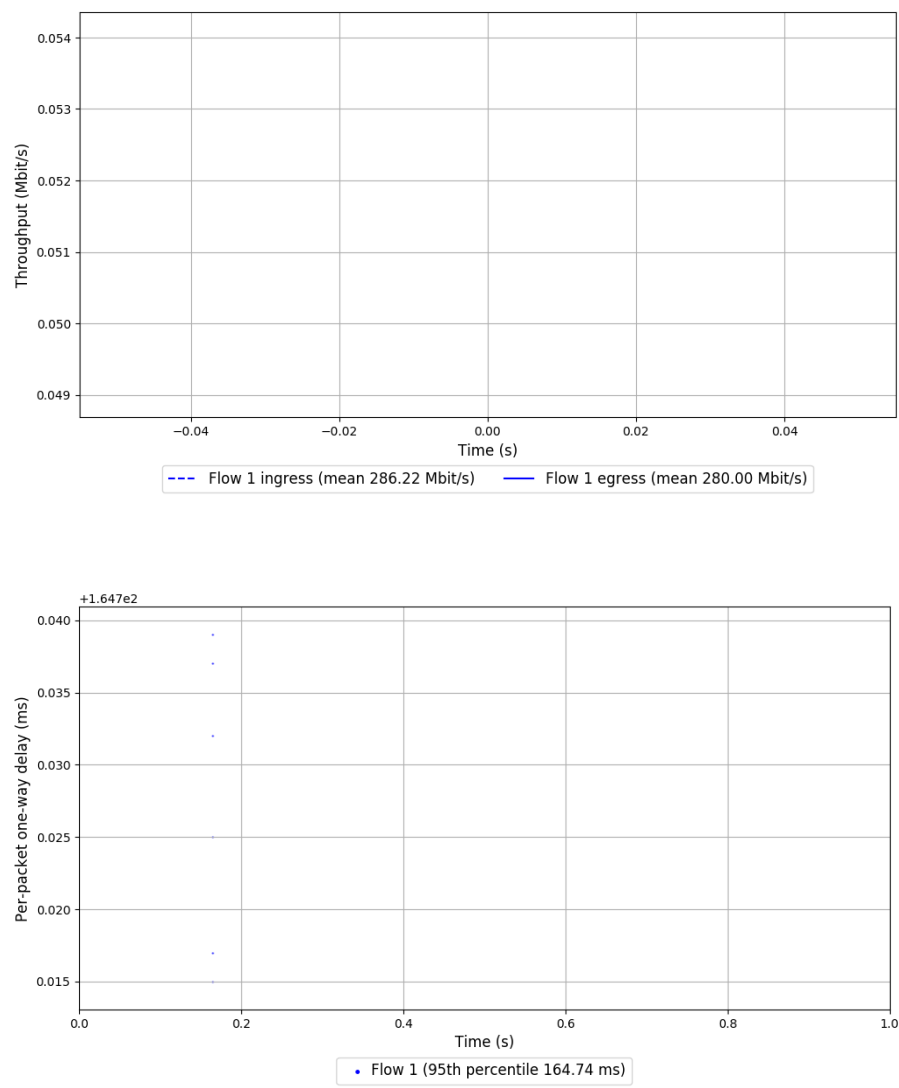


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-17 00:55:08

End at: 2018-01-17 00:55:38

Run 10: Report of QUIC Cubic — Data Link

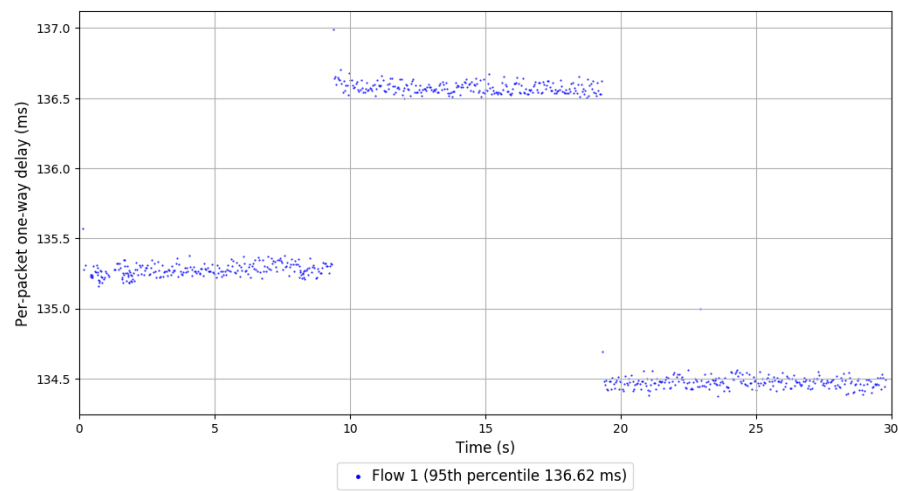
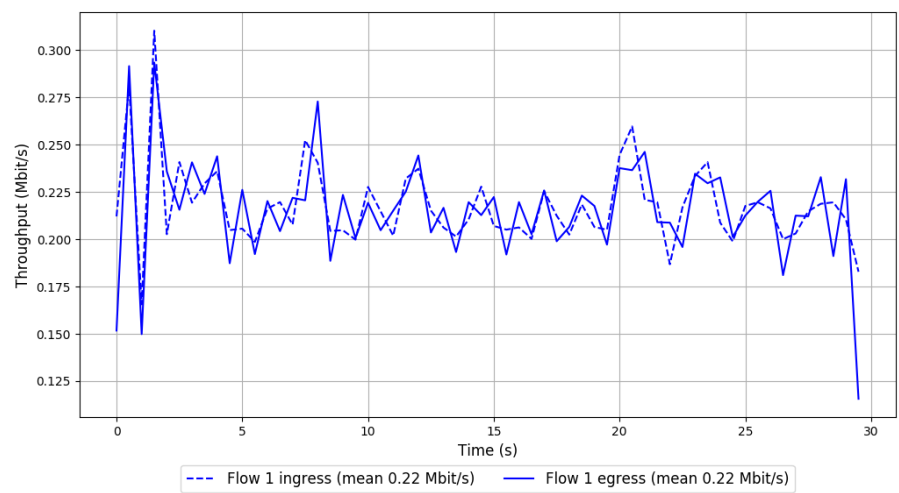


```
Run 1: Statistics of SCReAM

Start at: 2018-01-16 22:23:23
End at: 2018-01-16 22:23:53

# Below is generated by plot.py at 2018-01-17 04:05:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.615 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.615 ms
Loss rate: 0.89%
```

Run 1: Report of SReAM — Data Link

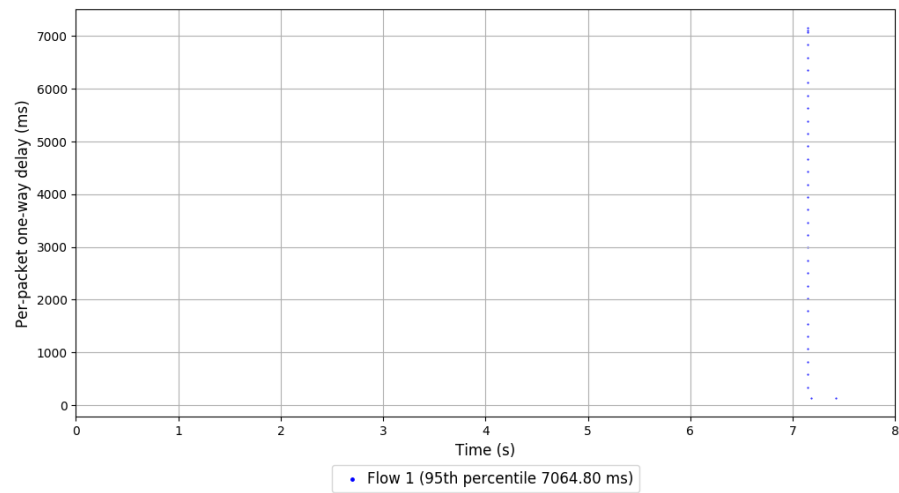
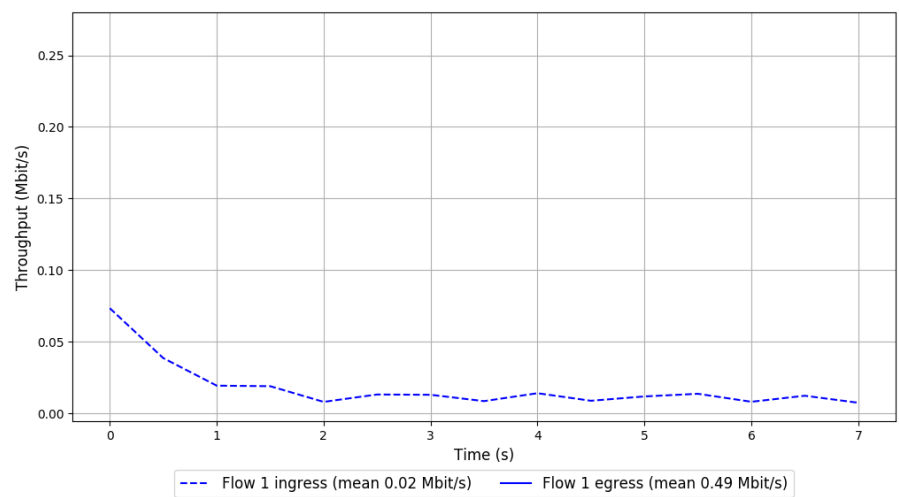


Run 2: Statistics of SReAM

Start at: 2018-01-16 22:39:41

End at: 2018-01-16 22:40:11

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-16 22:55:40

End at: 2018-01-16 22:56:10

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.007 ms

Loss rate: 0.89%

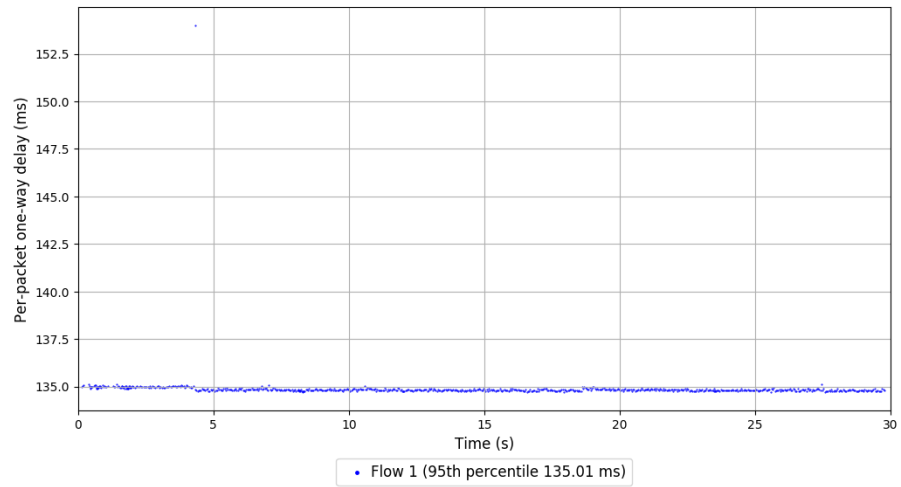
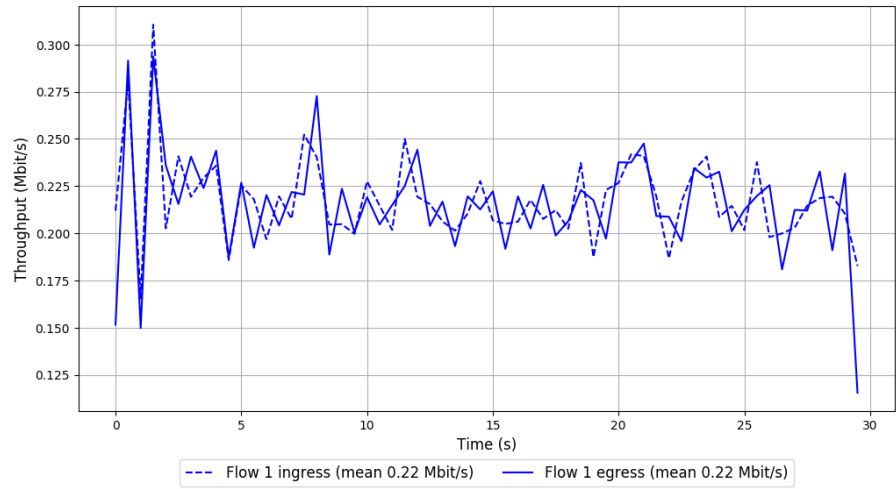
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.007 ms

Loss rate: 0.89%

Run 3: Report of SReAM — Data Link

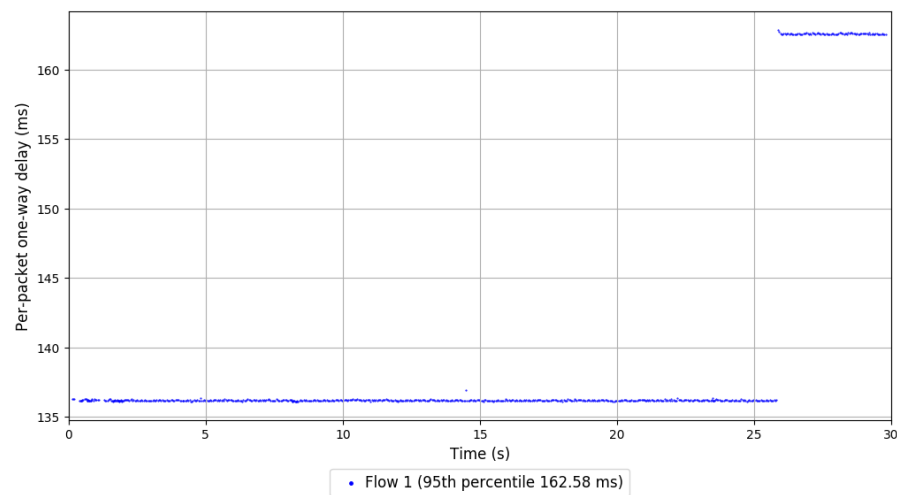
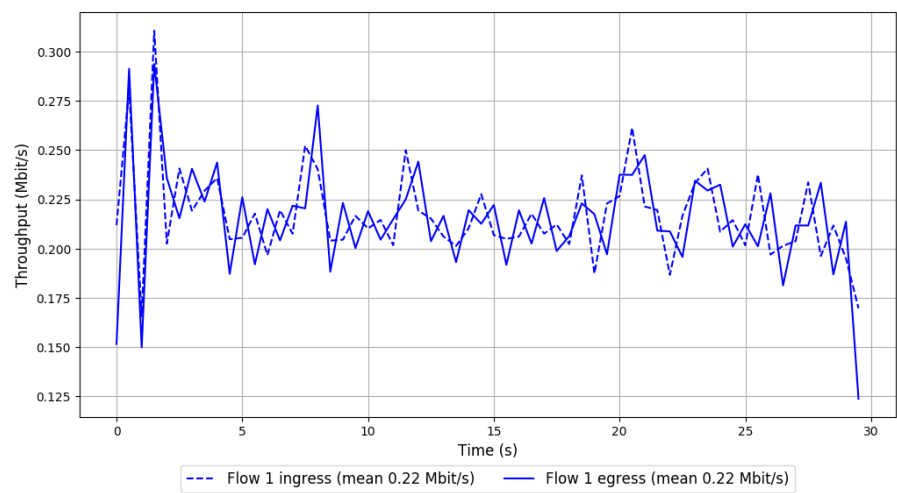


```
Run 4: Statistics of SCReAM

Start at: 2018-01-16 23:10:59
End at: 2018-01-16 23:11:29

# Below is generated by plot.py at 2018-01-17 04:05:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 162.576 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 162.576 ms
Loss rate: 0.83%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-16 23:26:57

End at: 2018-01-16 23:27:27

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.232 ms

Loss rate: 0.89%

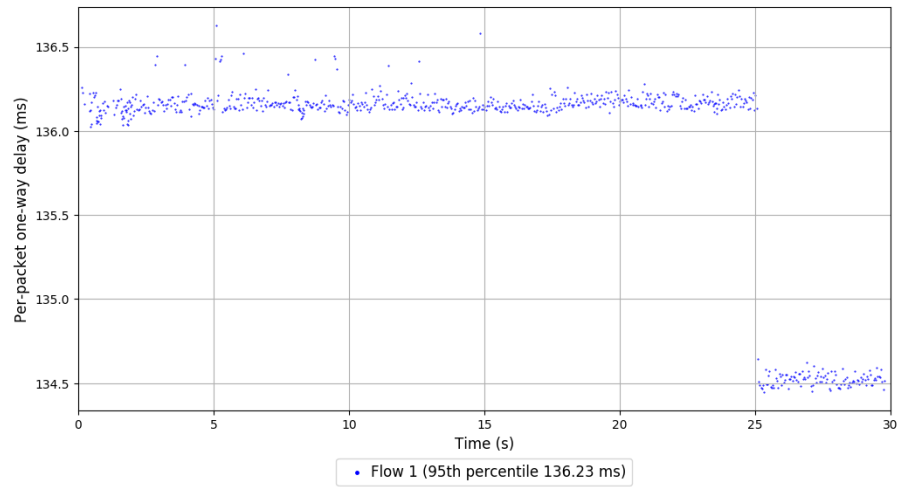
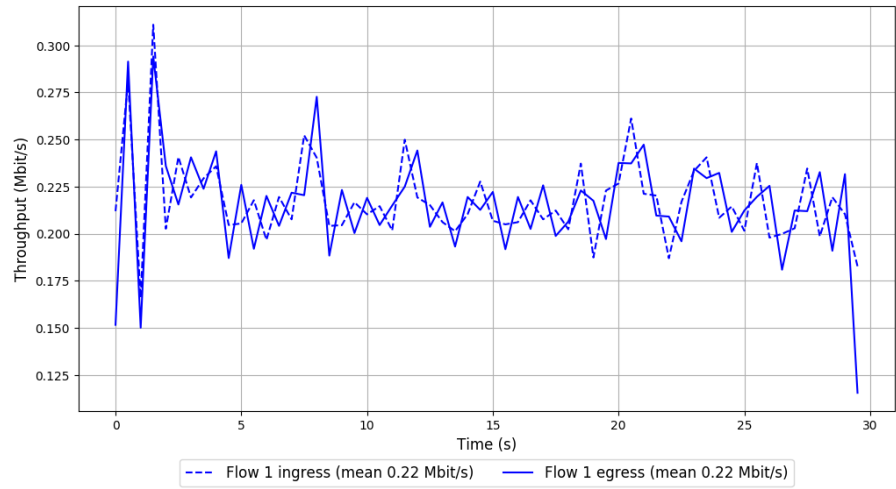
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.232 ms

Loss rate: 0.89%

Run 5: Report of SReAM — Data Link

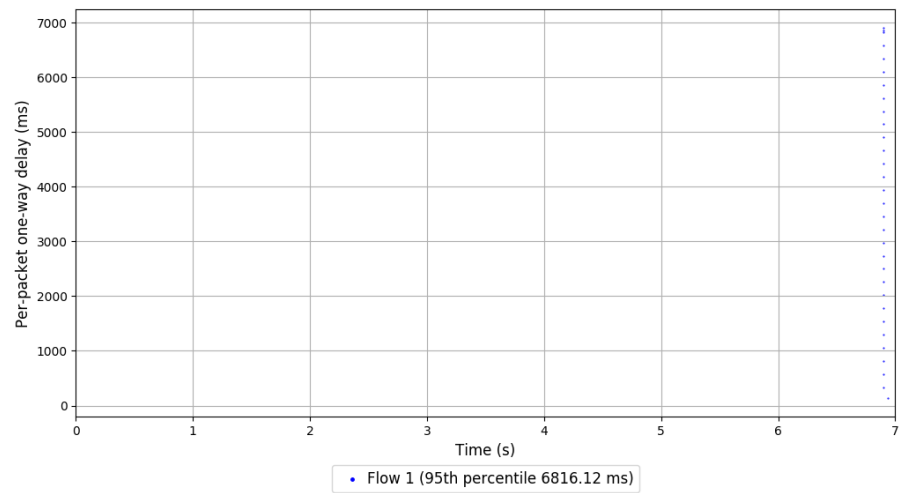
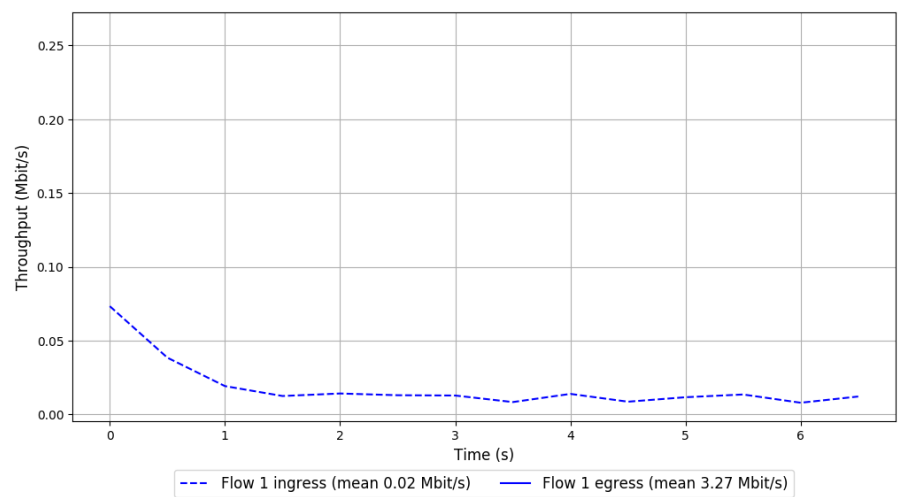


Run 6: Statistics of SReAM

Start at: 2018-01-16 23:42:54

End at: 2018-01-16 23:43:25

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-16 23:58:37

End at: 2018-01-16 23:59:07

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.78%

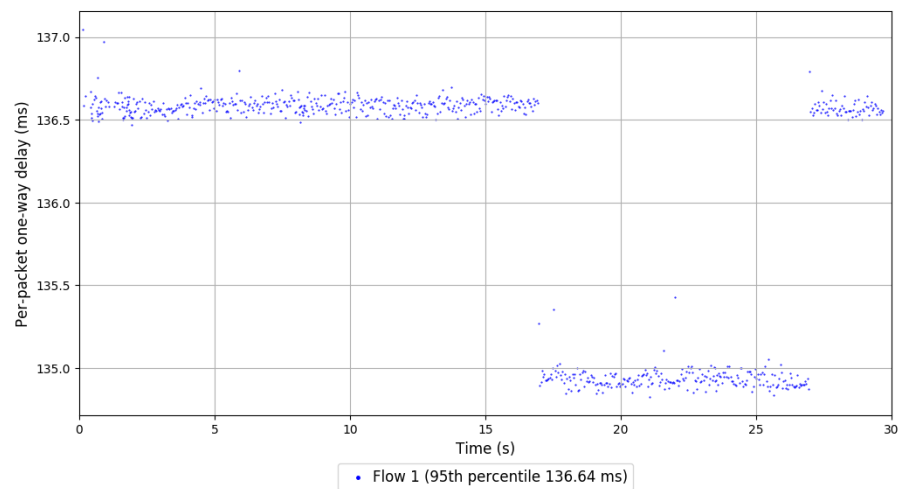
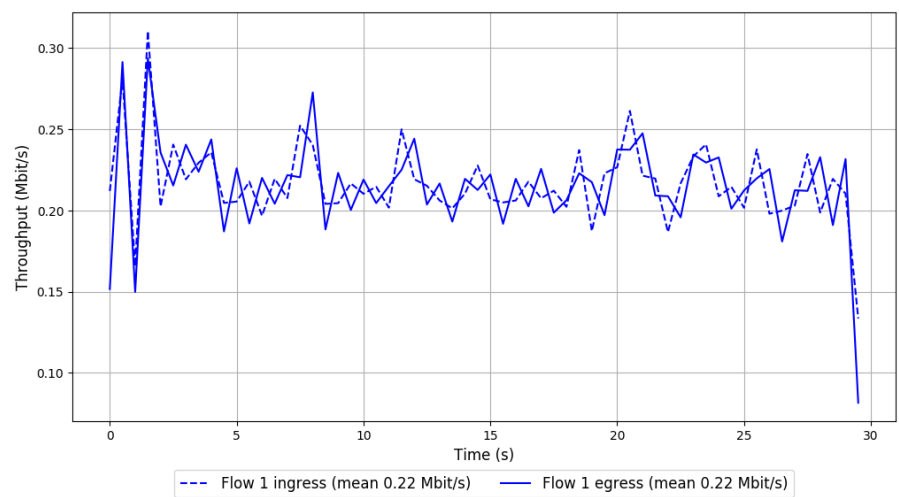
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.78%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-17 00:14:38

End at: 2018-01-17 00:15:08

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.451 ms

Loss rate: 0.89%

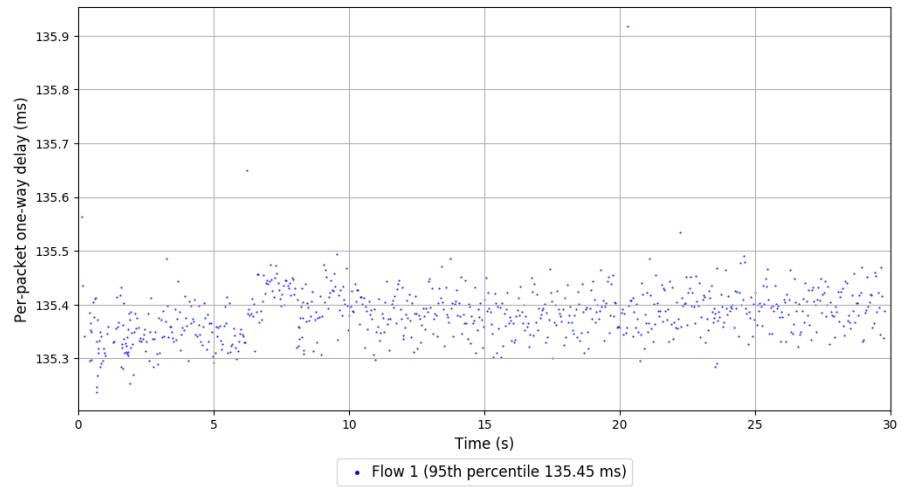
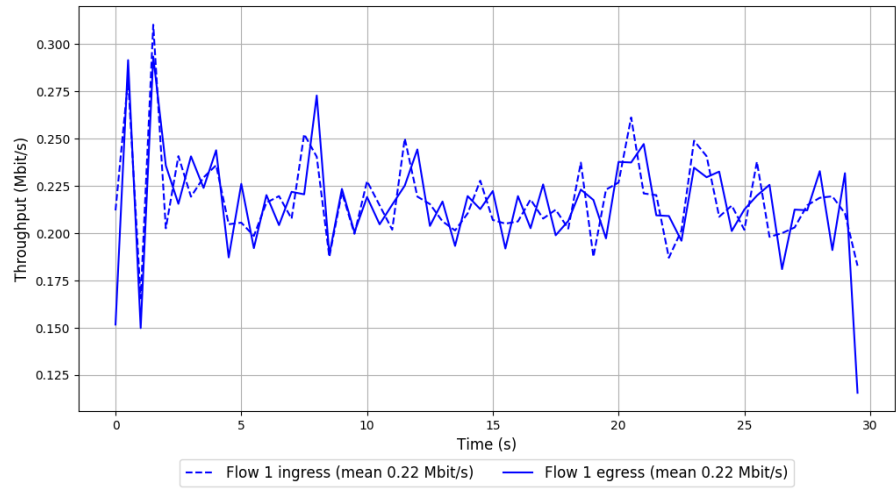
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.451 ms

Loss rate: 0.89%

Run 8: Report of SReAM — Data Link

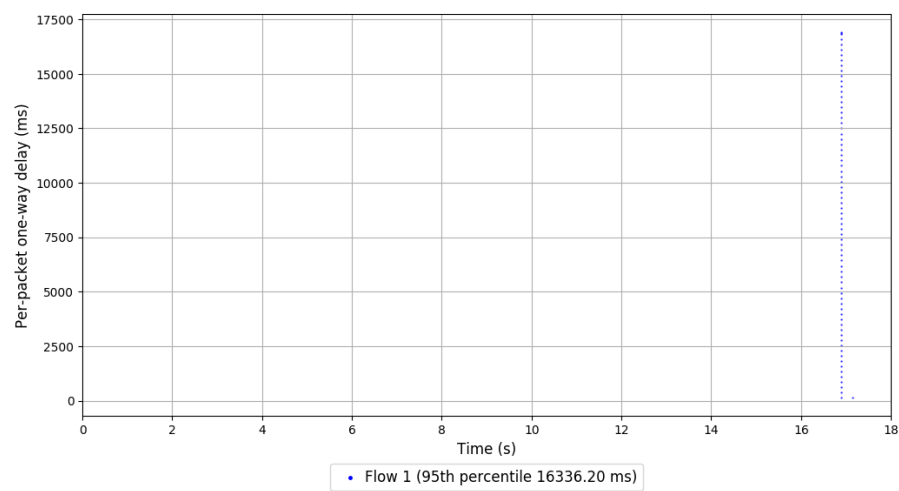
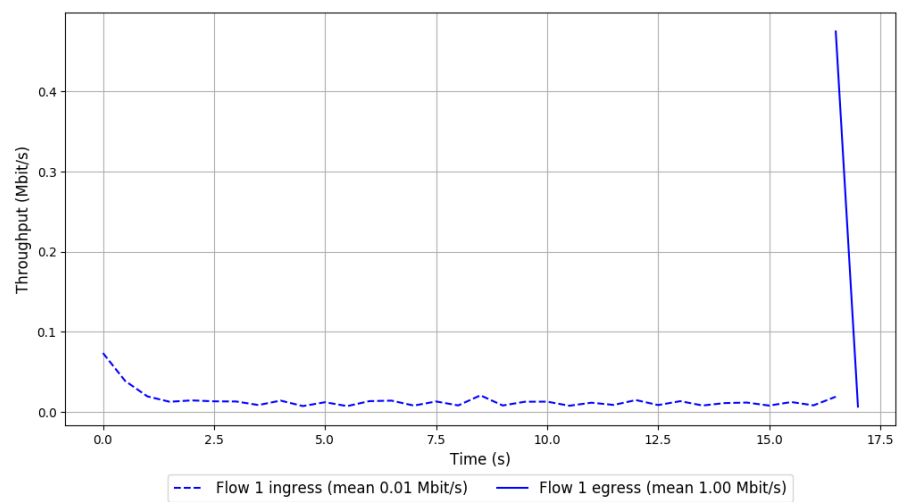


Run 9: Statistics of SReAM

Start at: 2018-01-17 00:30:21

End at: 2018-01-17 00:30:51

Run 9: Report of SReAM — Data Link

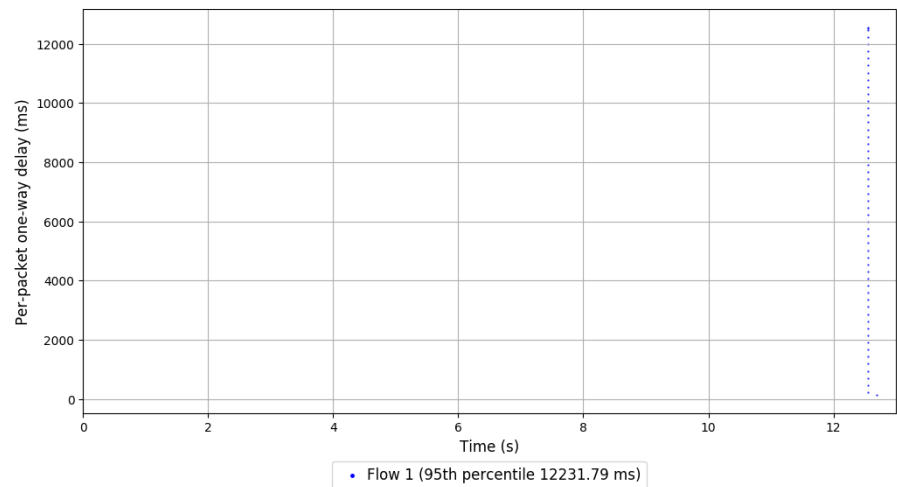
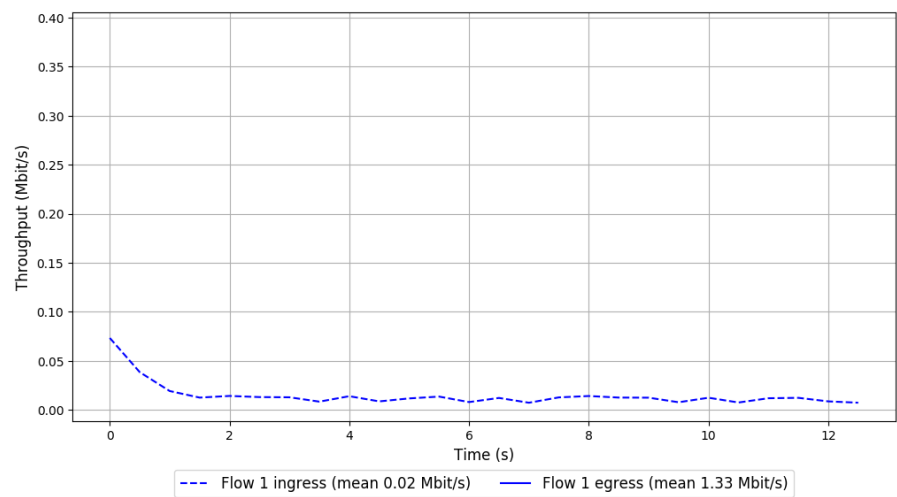


Run 10: Statistics of SCReAM

Start at: 2018-01-17 00:46:16

End at: 2018-01-17 00:46:46

Run 10: Report of SCRaM — Data Link

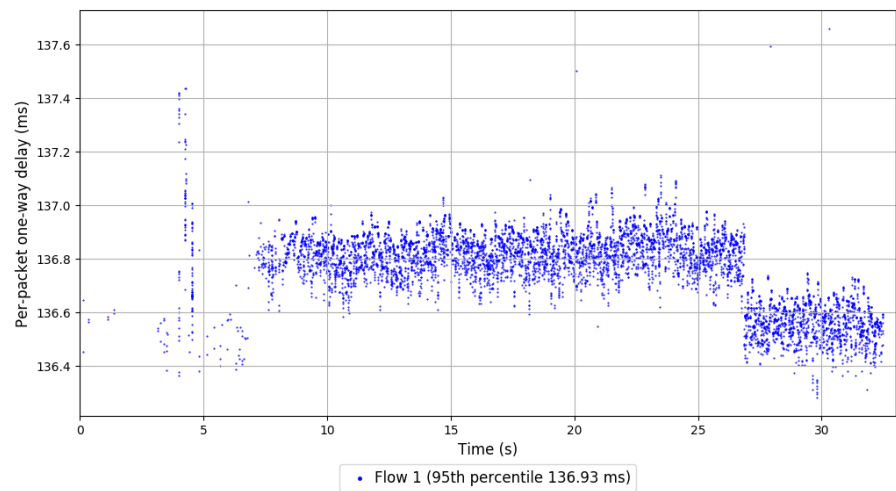
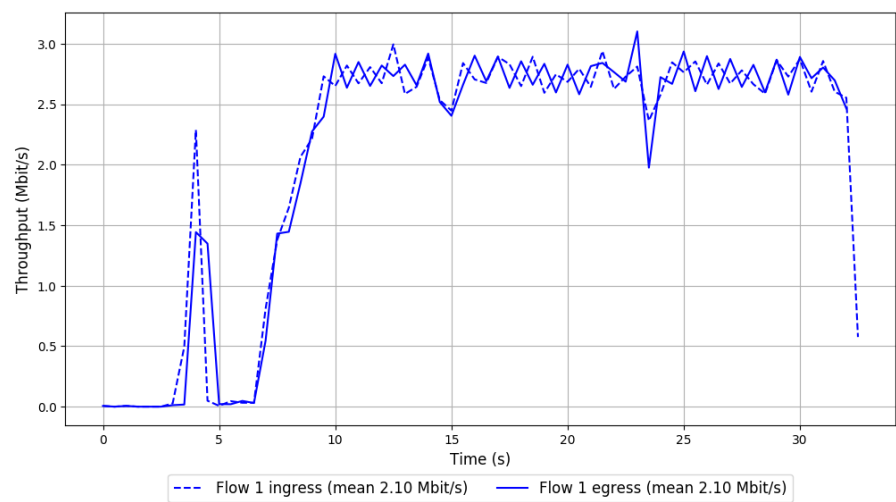


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-16 22:33:50
End at: 2018-01-16 22:34:20

# Below is generated by plot.py at 2018-01-17 04:05:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 136.932 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 136.932 ms
Loss rate: 0.95%
```


Run 1: Report of WebRTC media — Data Link

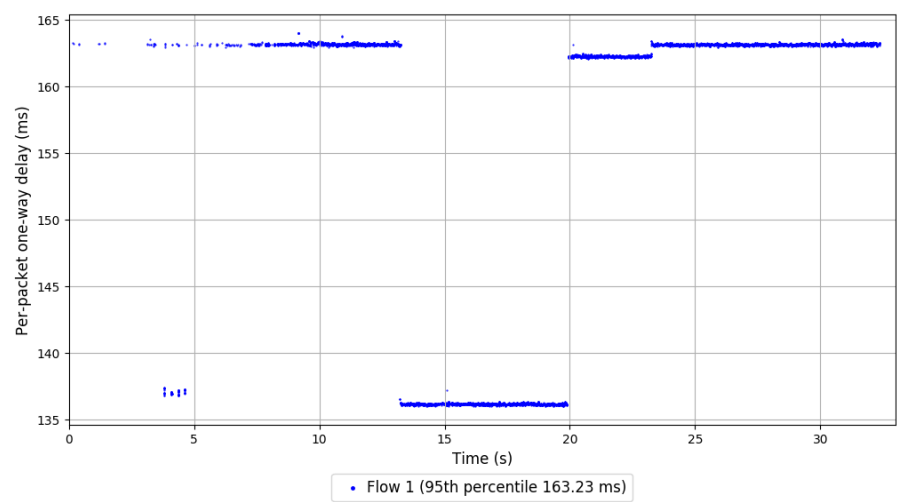
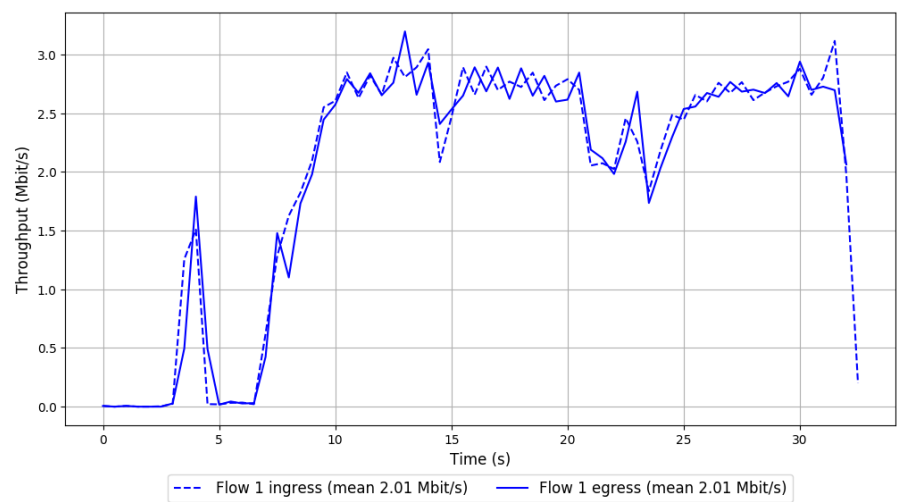


```
Run 2: Statistics of WebRTC media

Start at: 2018-01-16 22:49:54
End at: 2018-01-16 22:50:24

# Below is generated by plot.py at 2018-01-17 04:05:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 163.234 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 163.234 ms
Loss rate: 1.11%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-16 23:05:40

End at: 2018-01-16 23:06:10

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.375 ms

Loss rate: 0.98%

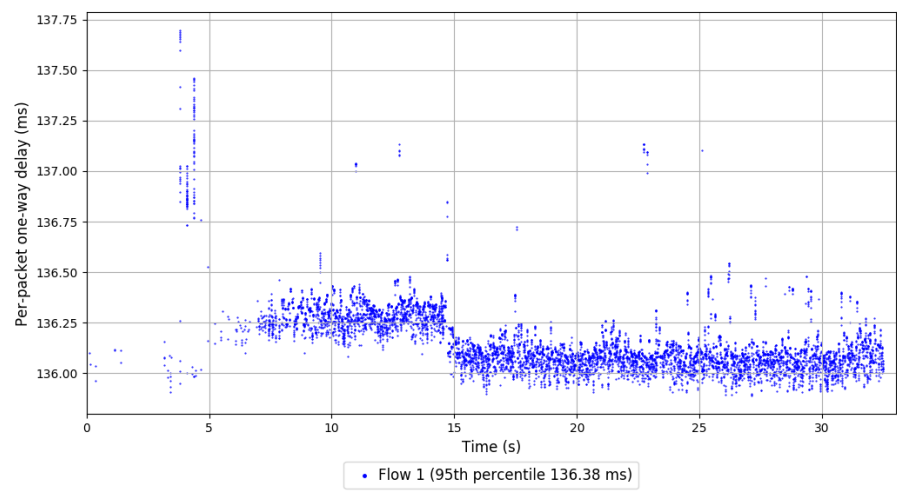
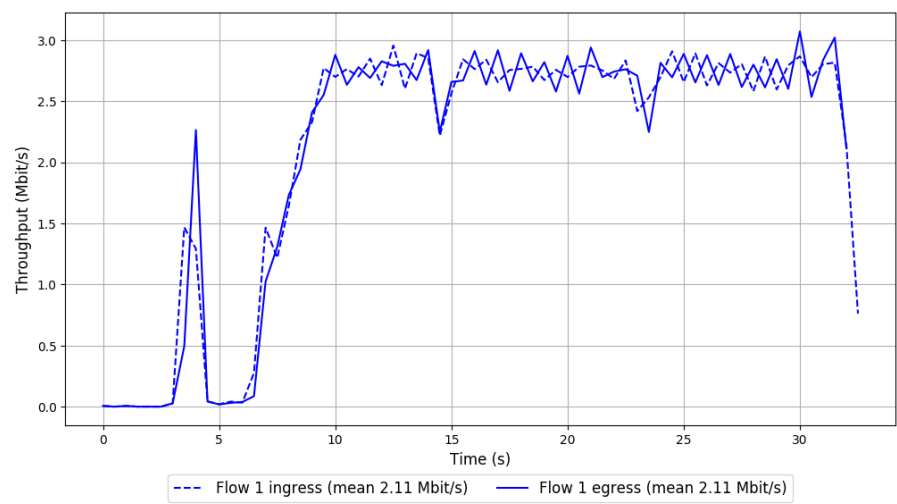
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.375 ms

Loss rate: 0.98%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-16 23:21:14

End at: 2018-01-16 23:21:44

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.010 ms

Loss rate: 0.96%

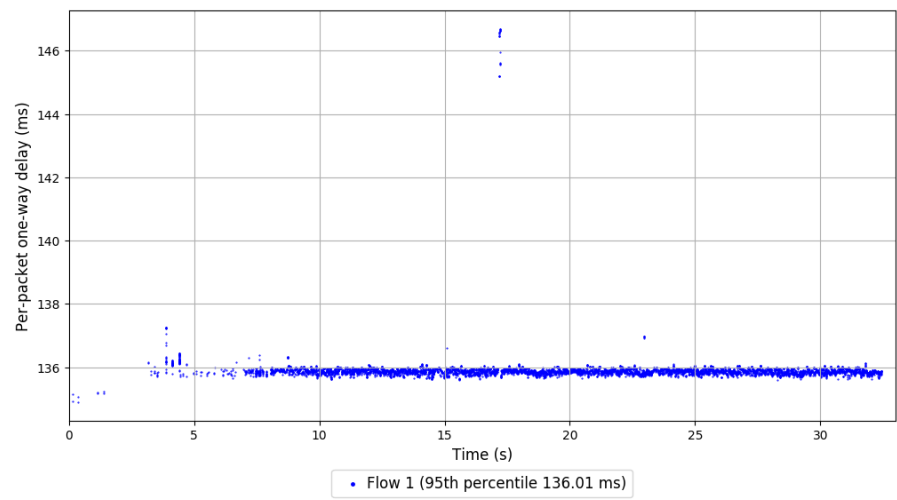
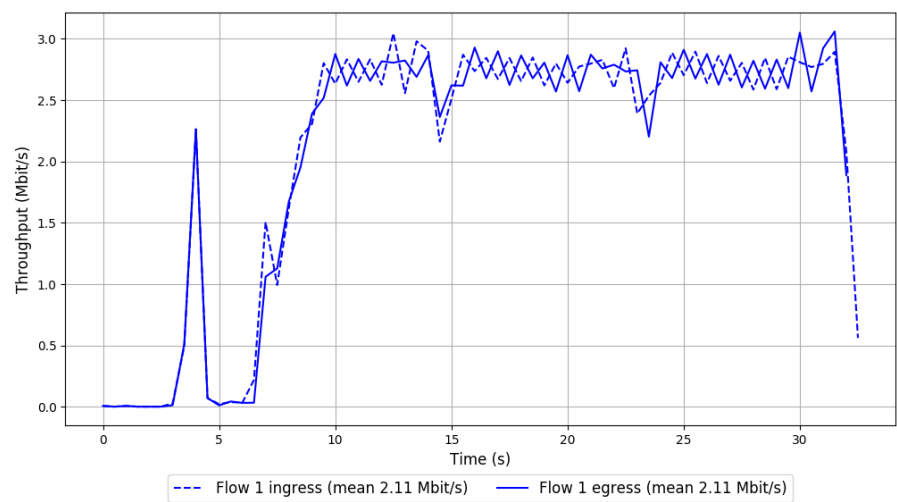
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.010 ms

Loss rate: 0.96%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-16 23:37:04

End at: 2018-01-16 23:37:34

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.374 ms

Loss rate: 0.99%

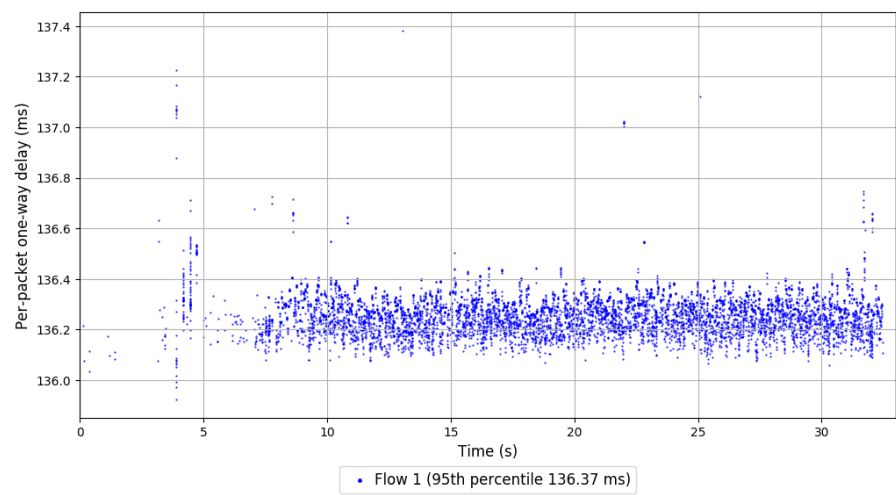
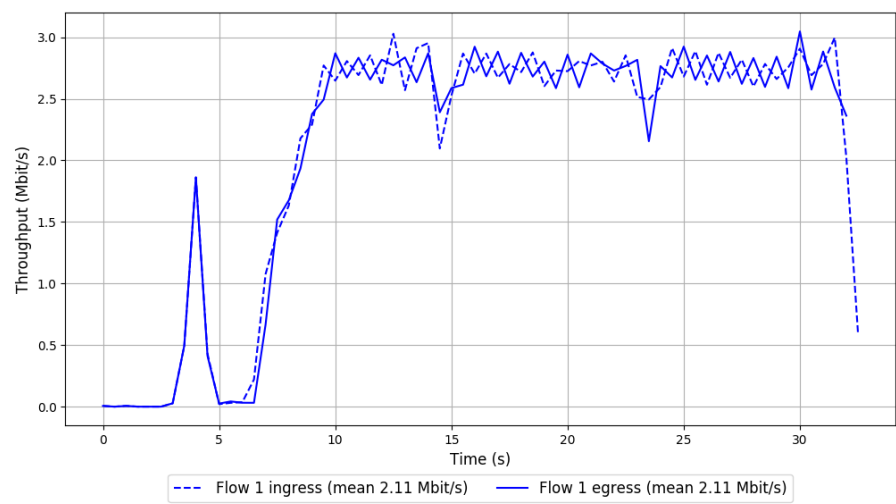
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.374 ms

Loss rate: 0.99%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-16 23:52:40

End at: 2018-01-16 23:53:10

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 163.965 ms

Loss rate: 0.98%

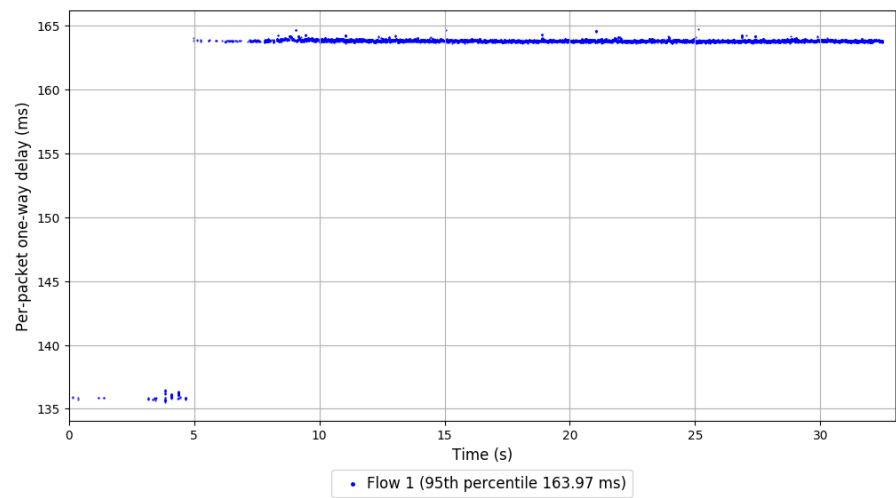
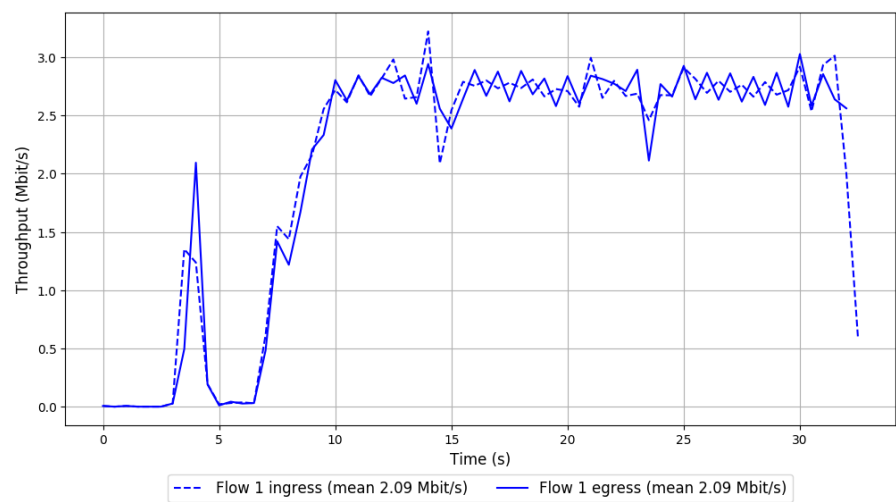
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 163.965 ms

Loss rate: 0.98%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-17 00:08:56

End at: 2018-01-17 00:09:26

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 165.968 ms

Loss rate: 1.05%

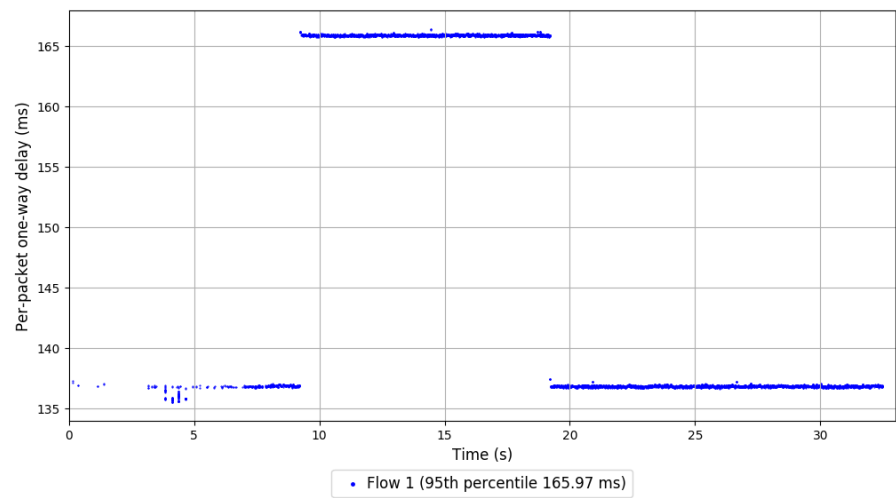
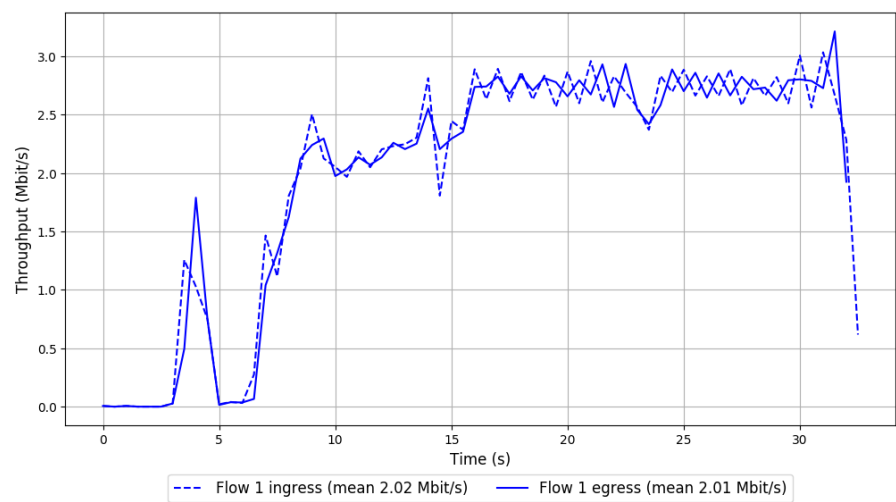
-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 165.968 ms

Loss rate: 1.05%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-17 00:24:39

End at: 2018-01-17 00:25:09

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.211 ms

Loss rate: 0.99%

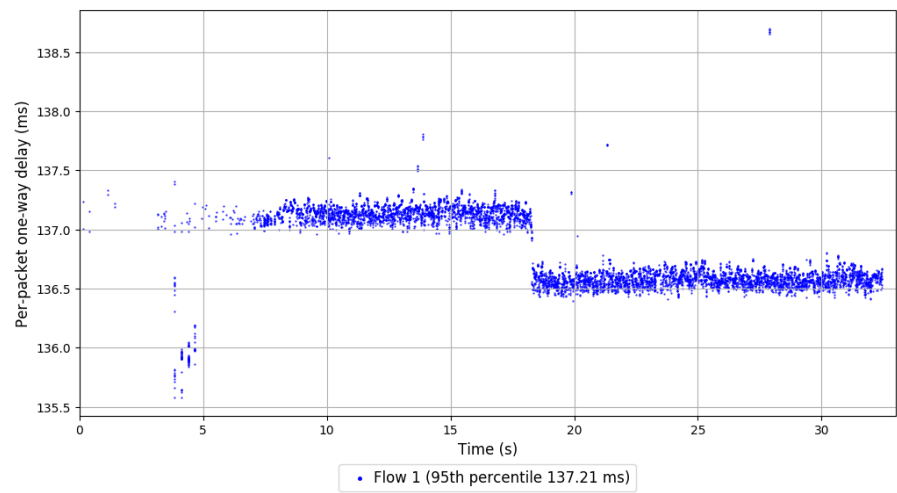
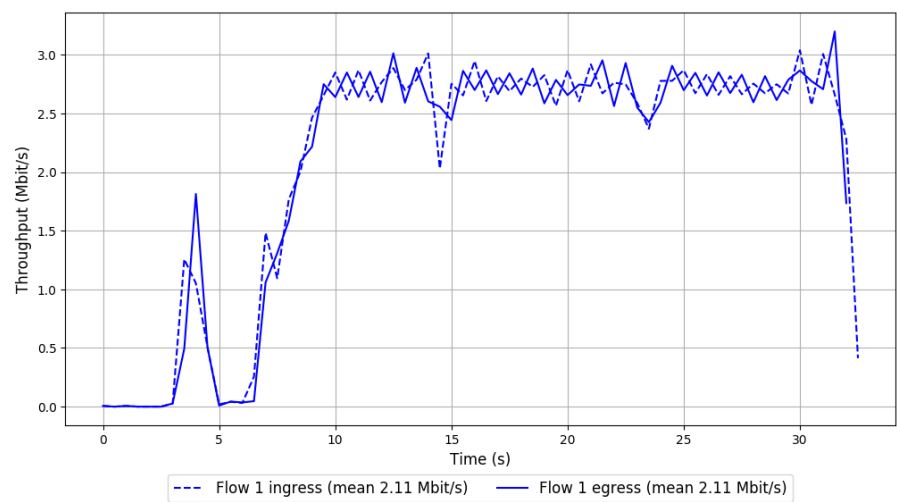
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.211 ms

Loss rate: 0.99%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-17 00:40:29

End at: 2018-01-17 00:40:59

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.146 ms

Loss rate: 1.00%

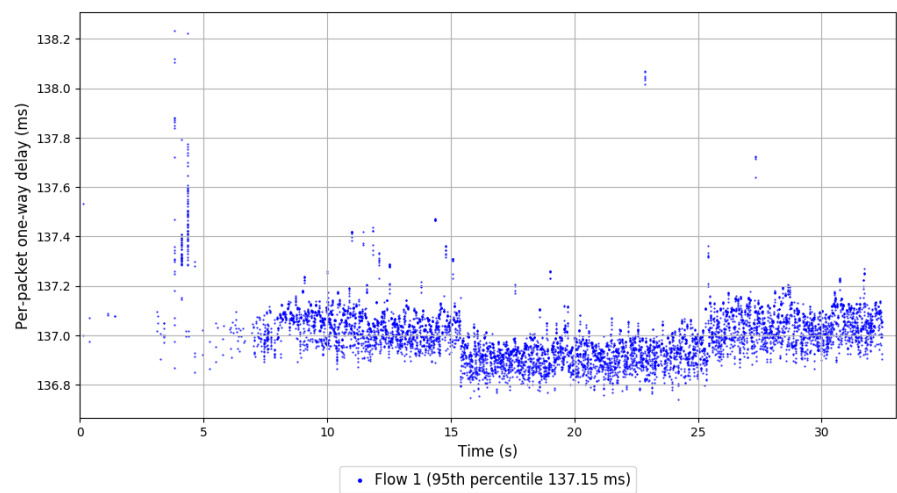
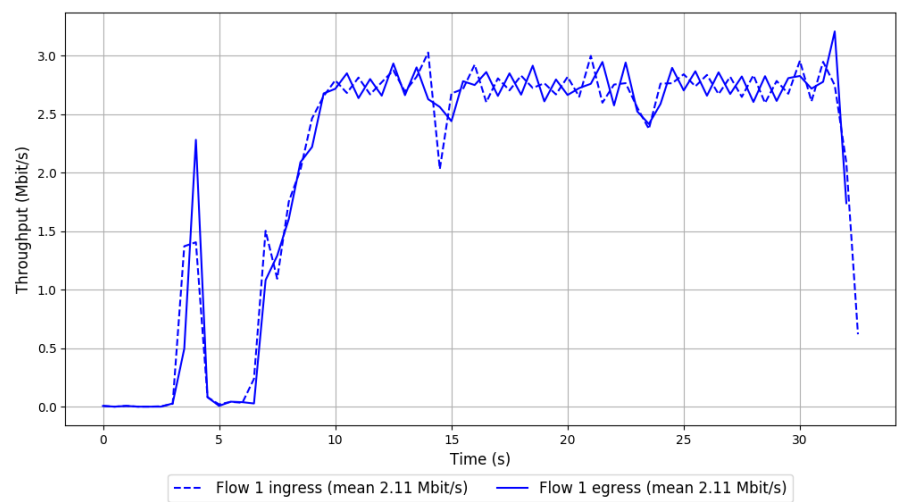
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 137.146 ms

Loss rate: 1.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-17 00:56:38

End at: 2018-01-17 00:57:08

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 164.331 ms

Loss rate: 1.05%

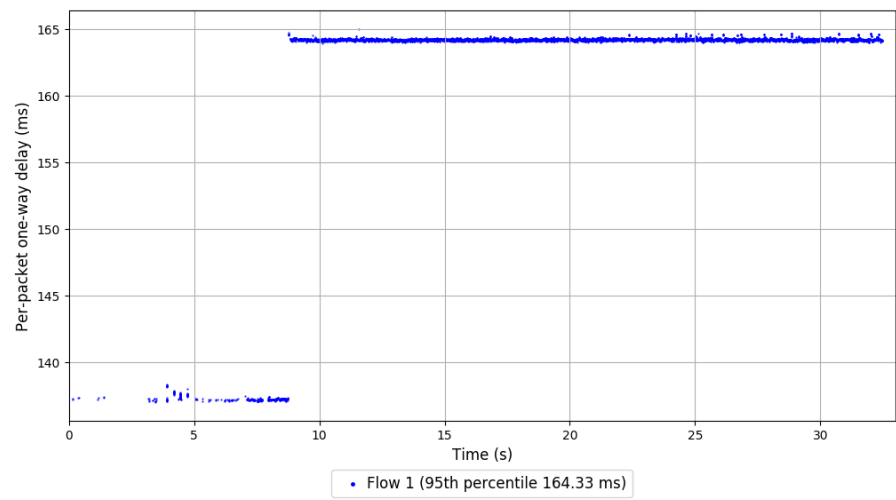
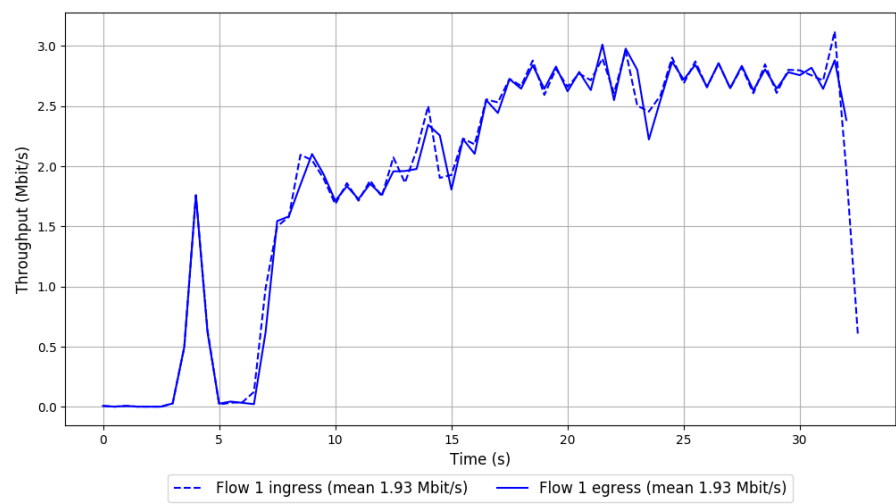
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 164.331 ms

Loss rate: 1.05%

Run 10: Report of WebRTC media — Data Link

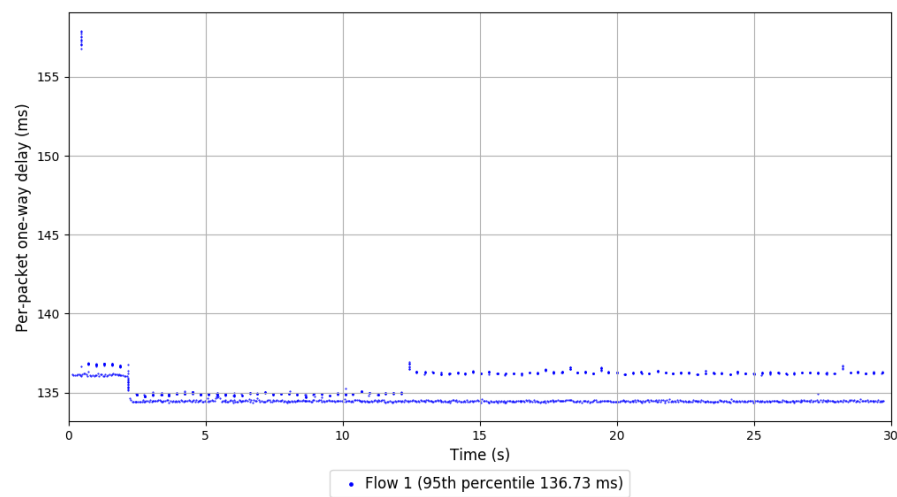
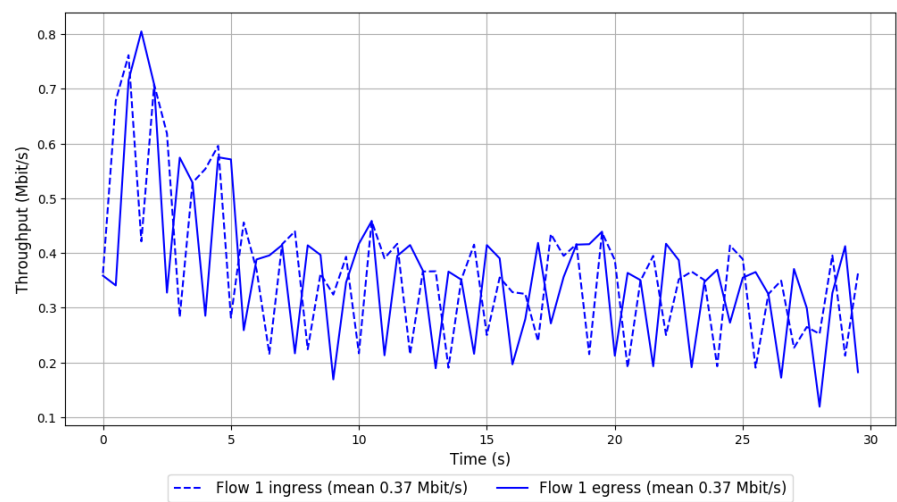


```
Run 1: Statistics of Sprout

Start at: 2018-01-16 22:20:22
End at: 2018-01-16 22:20:52

# Below is generated by plot.py at 2018-01-17 04:05:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.732 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.732 ms
Loss rate: 0.84%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-16 22:36:30

End at: 2018-01-16 22:37:00

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.984 ms

Loss rate: 0.77%

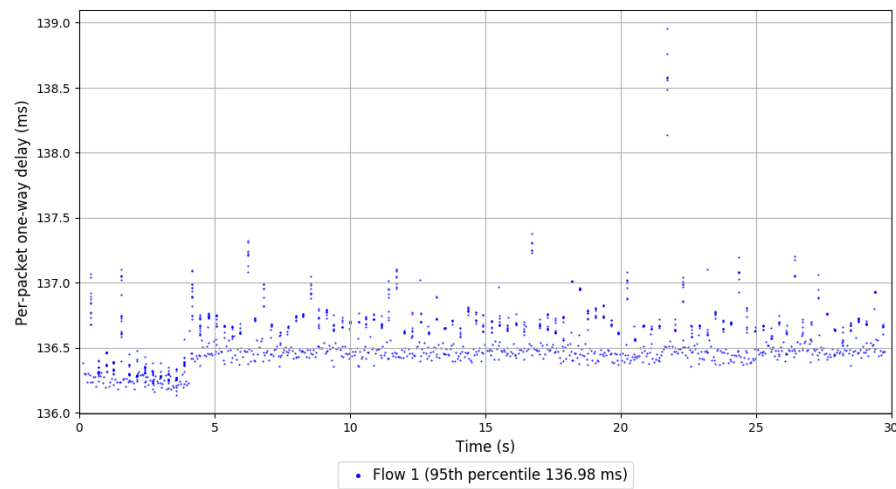
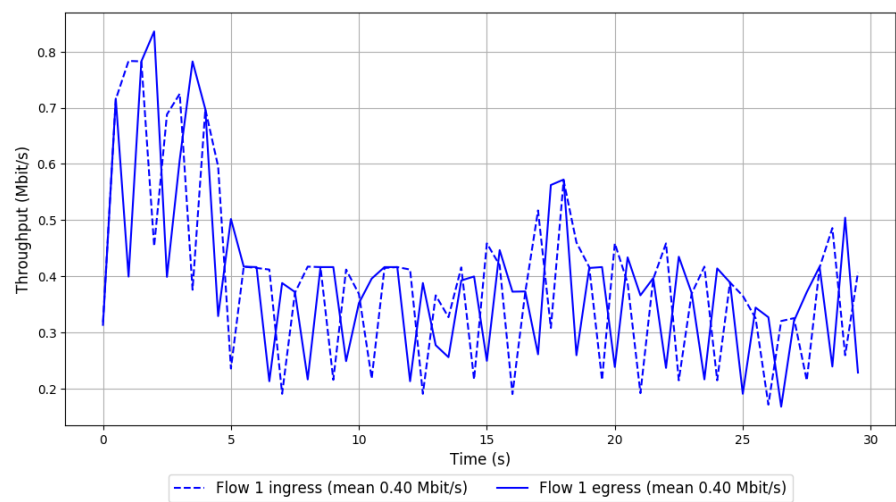
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.984 ms

Loss rate: 0.77%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-16 22:52:38

End at: 2018-01-16 22:53:08

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 137.285 ms

Loss rate: 1.11%

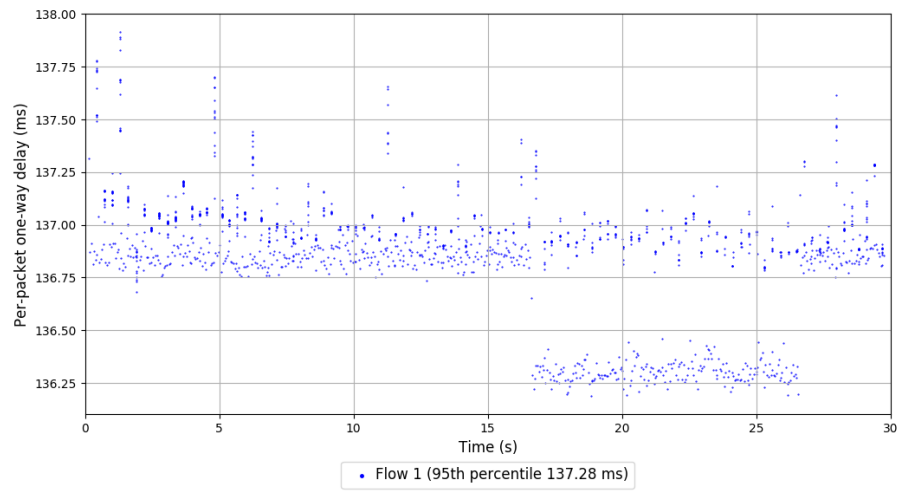
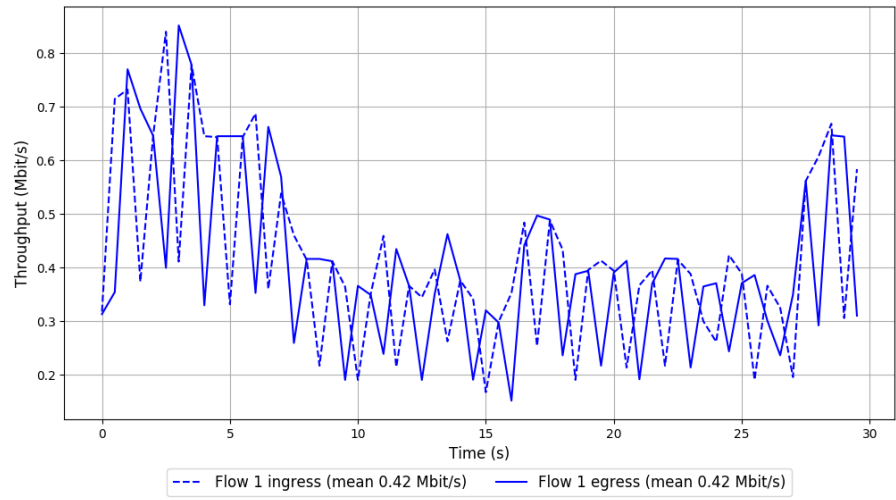
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 137.285 ms

Loss rate: 1.11%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-16 23:08:05

End at: 2018-01-16 23:08:35

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 163.283 ms

Loss rate: 0.57%

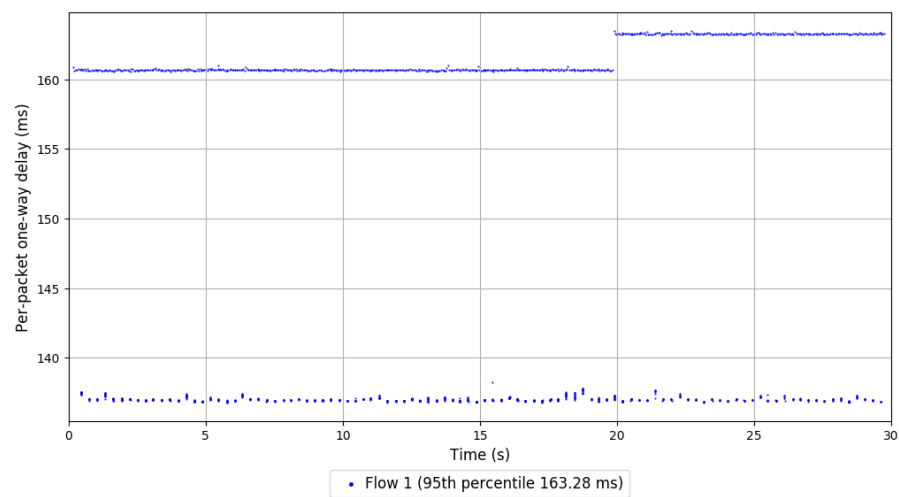
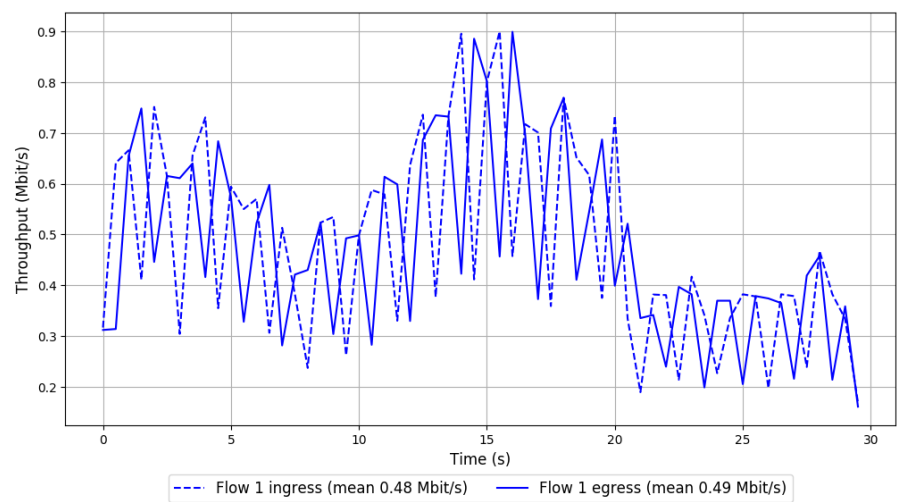
-- Flow 1:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 163.283 ms

Loss rate: 0.57%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-16 23:23:58

End at: 2018-01-16 23:24:28

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.237 ms

Loss rate: 1.81%

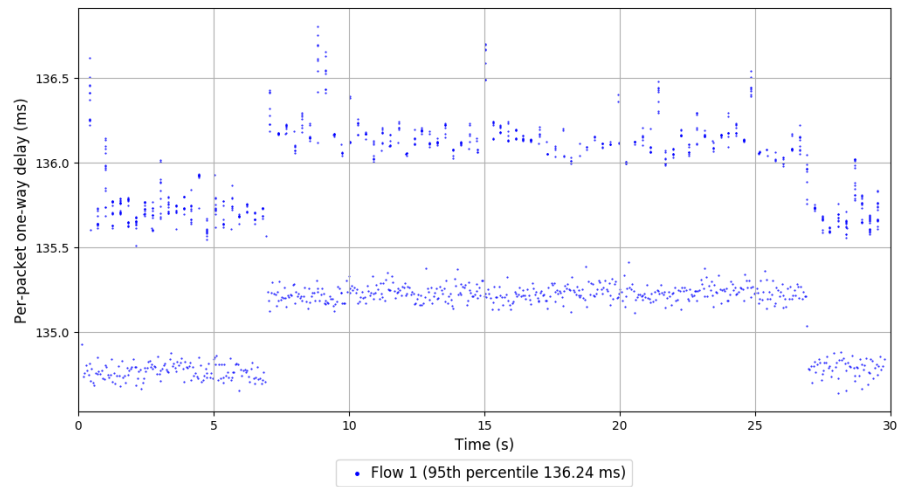
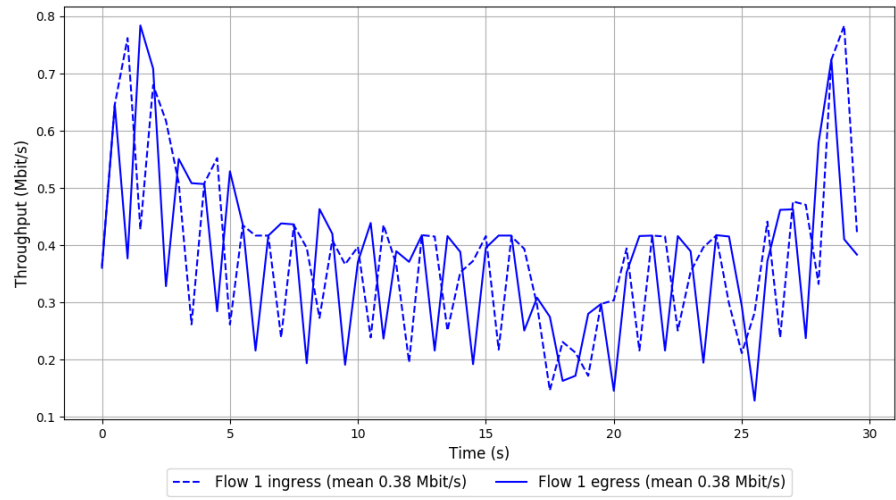
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.237 ms

Loss rate: 1.81%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-16 23:39:50

End at: 2018-01-16 23:40:20

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 135.813 ms

Loss rate: 0.75%

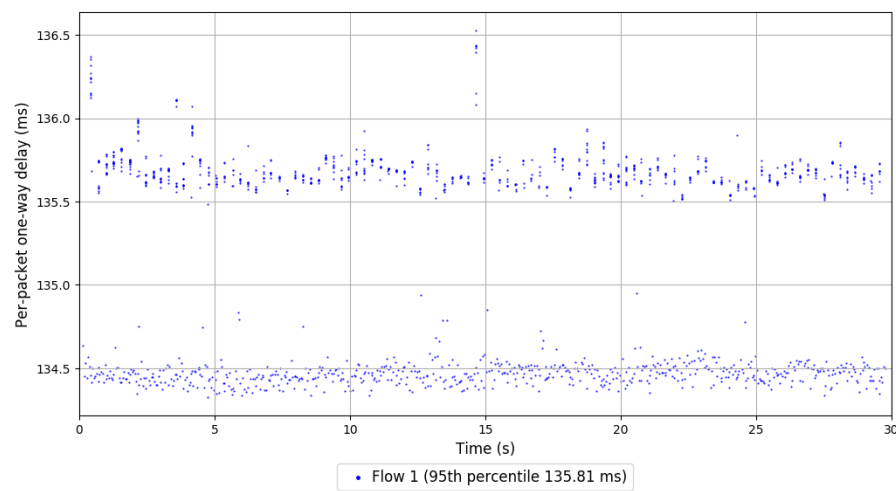
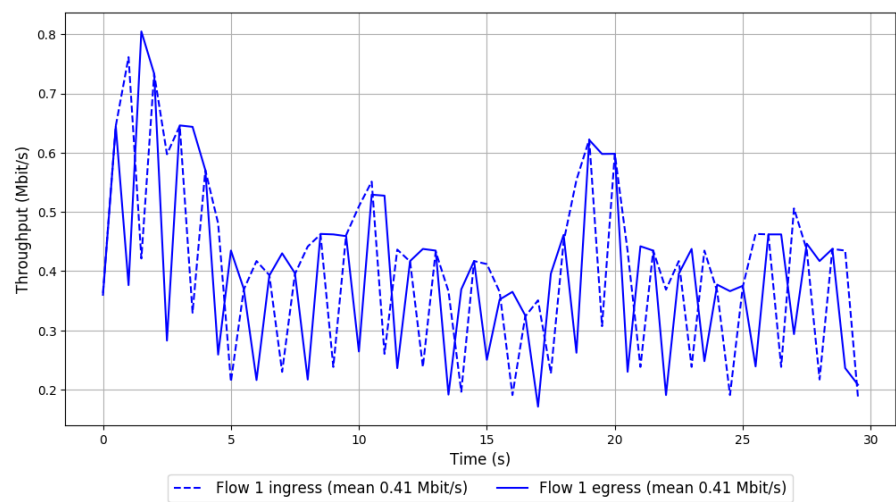
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 135.813 ms

Loss rate: 0.75%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-16 23:55:30

End at: 2018-01-16 23:56:00

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 161.612 ms

Loss rate: 0.90%

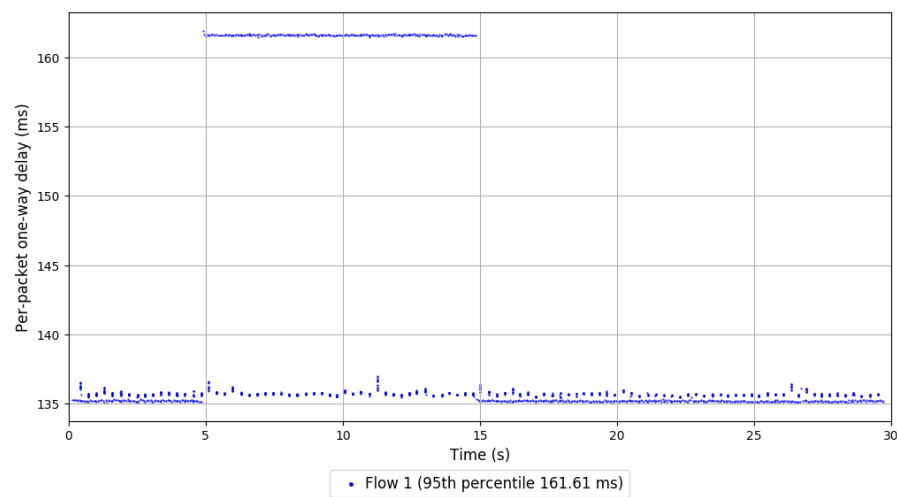
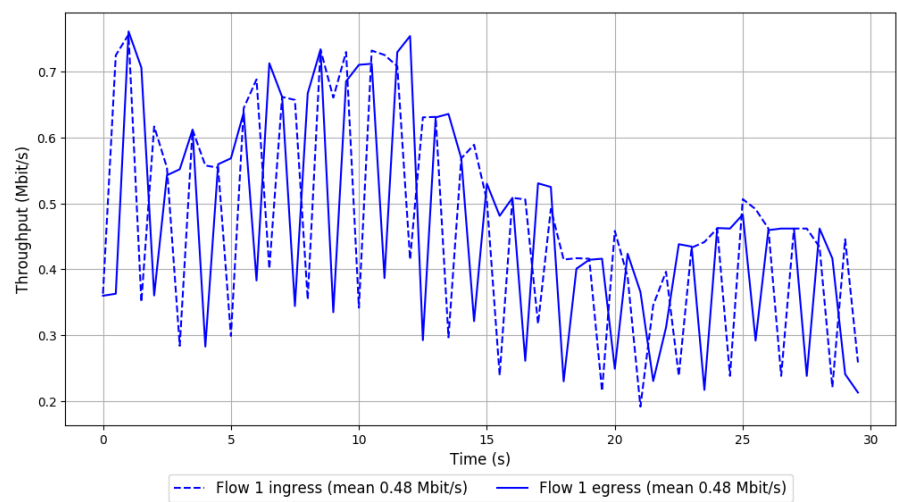
-- Flow 1:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 161.612 ms

Loss rate: 0.90%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-17 00:11:42

End at: 2018-01-17 00:12:12

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 136.015 ms

Loss rate: 0.67%

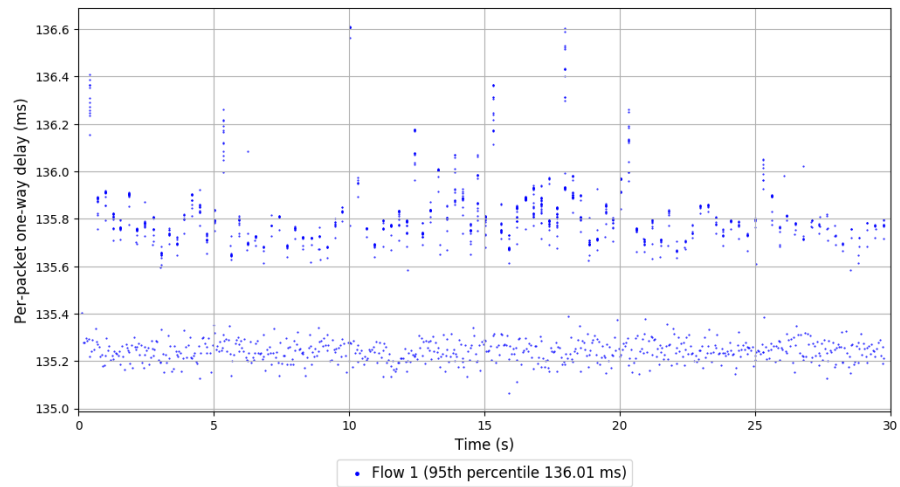
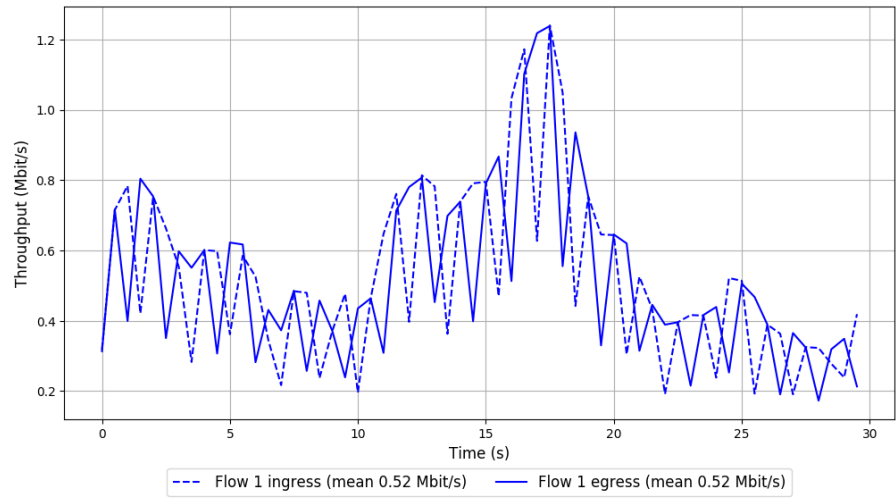
-- Flow 1:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 136.015 ms

Loss rate: 0.67%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-17 00:27:17

End at: 2018-01-17 00:27:47

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 136.726 ms

Loss rate: 0.81%

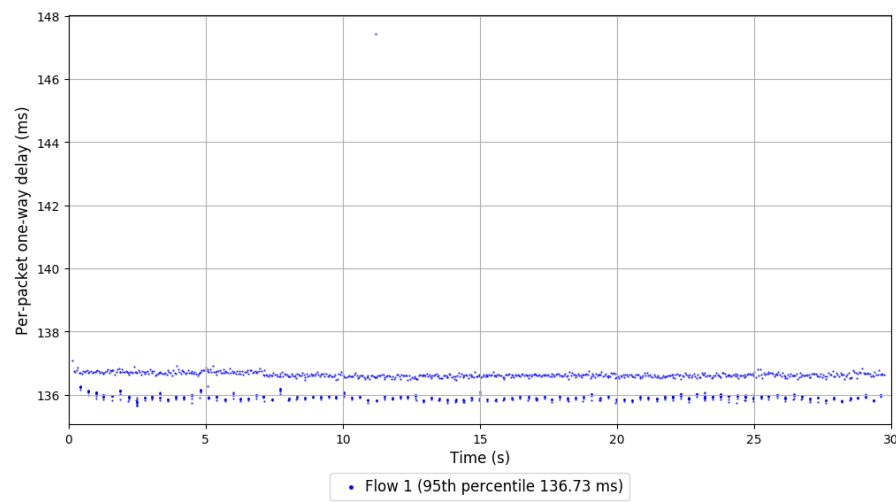
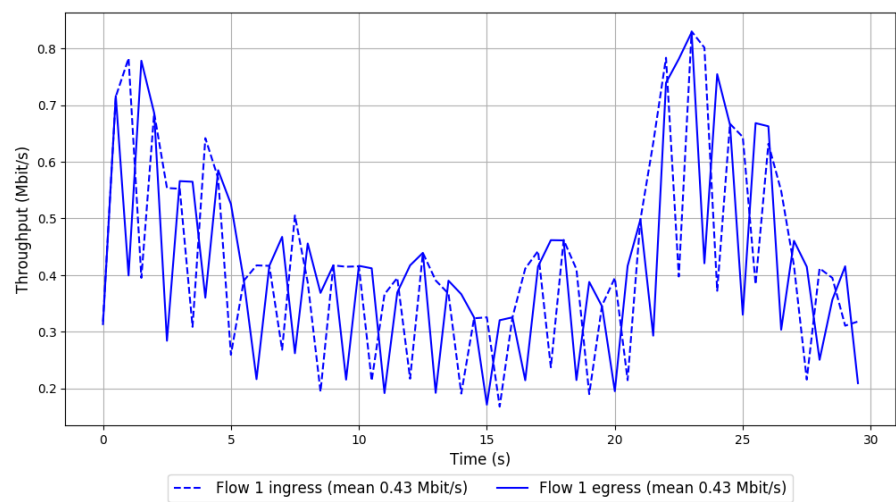
-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 136.726 ms

Loss rate: 0.81%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-17 00:43:13

End at: 2018-01-17 00:43:43

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 137.445 ms

Loss rate: 0.65%

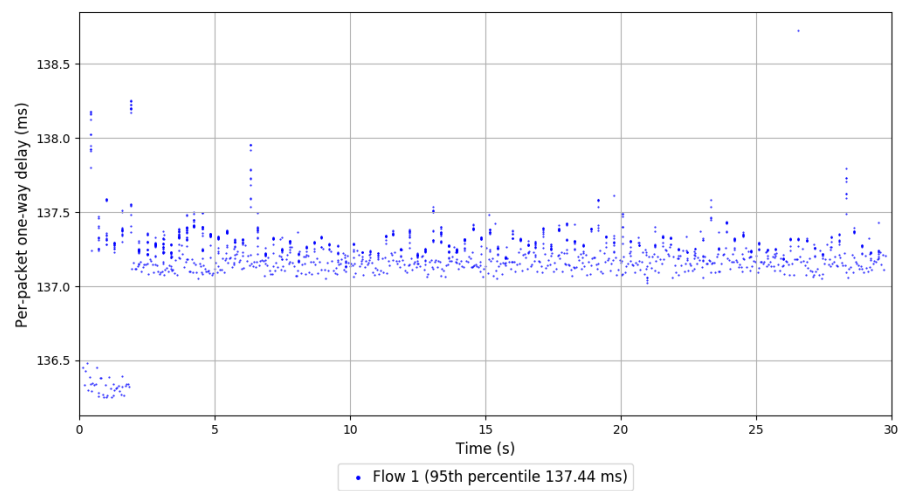
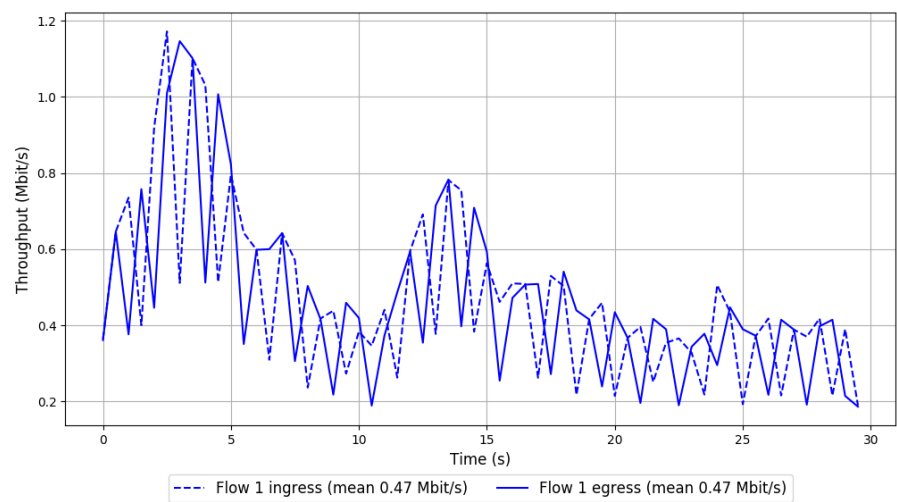
-- Flow 1:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 137.445 ms

Loss rate: 0.65%

Run 10: Report of Sprout — Data Link

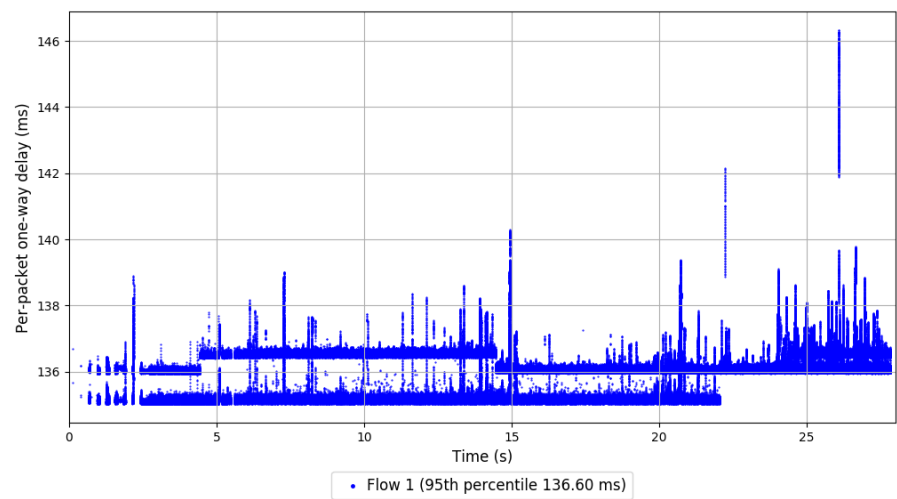
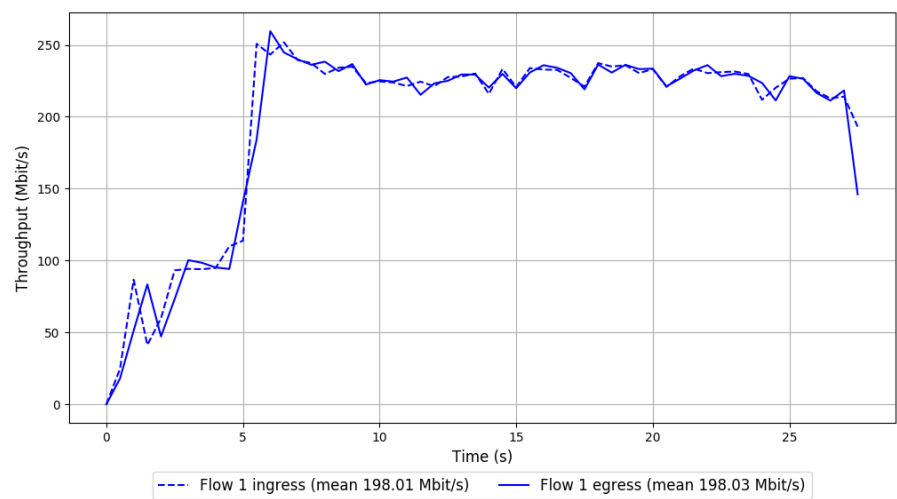


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 22:30:08
End at: 2018-01-16 22:30:38

# Below is generated by plot.py at 2018-01-17 04:05:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.03 Mbit/s
95th percentile per-packet one-way delay: 136.601 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 198.03 Mbit/s
95th percentile per-packet one-way delay: 136.601 ms
Loss rate: 0.96%
```


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

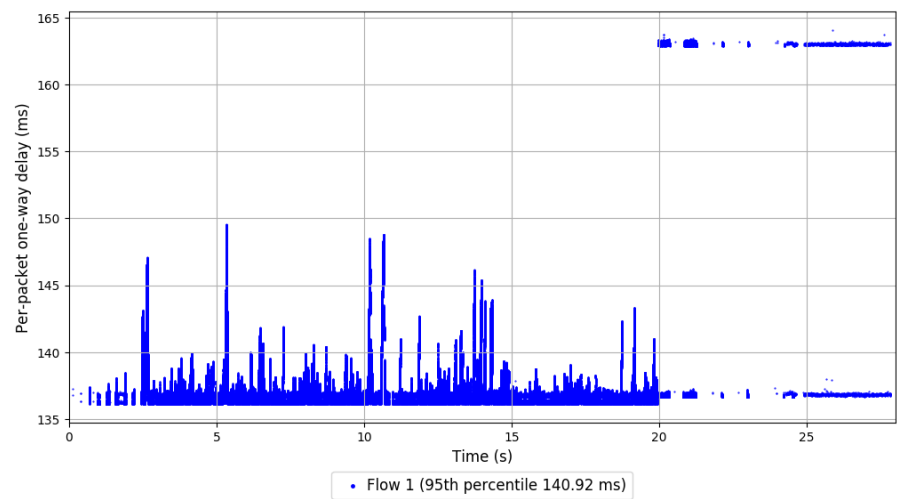
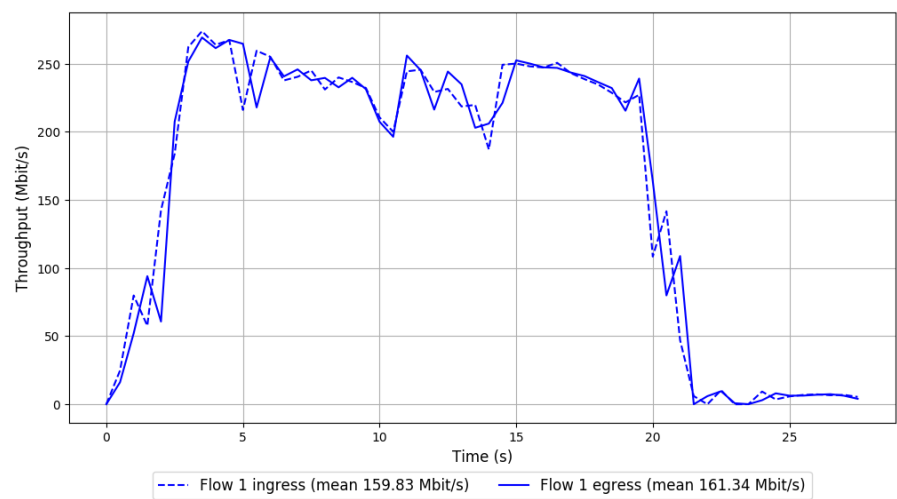


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-16 22:46:23
End at: 2018-01-16 22:46:53

# Below is generated by plot.py at 2018-01-17 04:05:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.34 Mbit/s
95th percentile per-packet one-way delay: 140.923 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 161.34 Mbit/s
95th percentile per-packet one-way delay: 140.923 ms
Loss rate: 0.04%
```

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

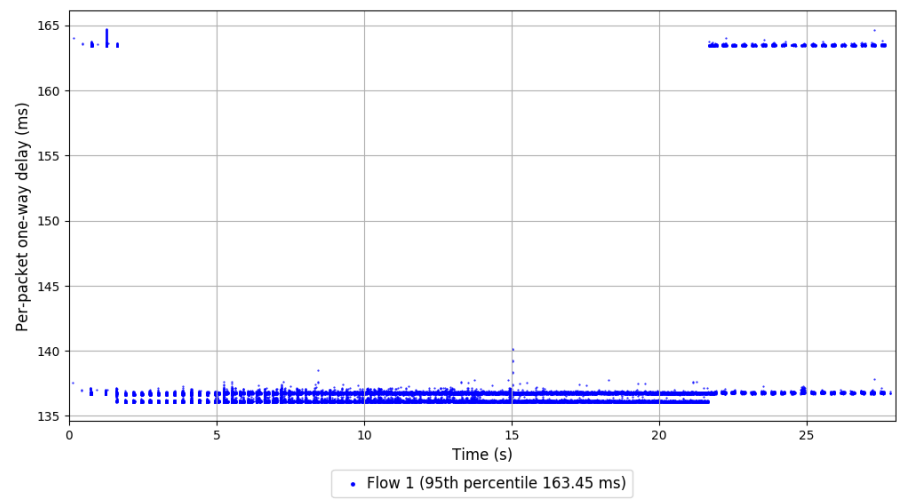
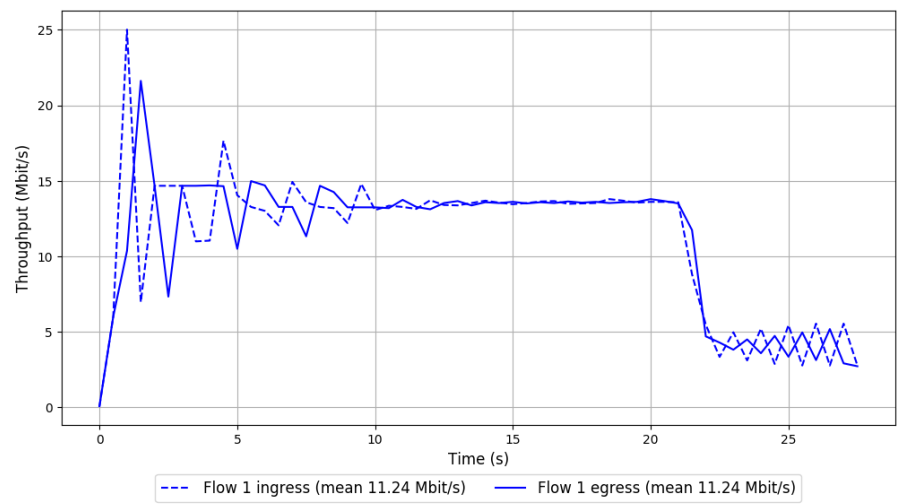


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 23:02:21
End at: 2018-01-16 23:02:51

# Below is generated by plot.py at 2018-01-17 04:05:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 163.446 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 163.446 ms
Loss rate: 0.43%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-16 23:17:33

End at: 2018-01-16 23:18:03

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.72 Mbit/s

95th percentile per-packet one-way delay: 136.835 ms

Loss rate: 0.90%

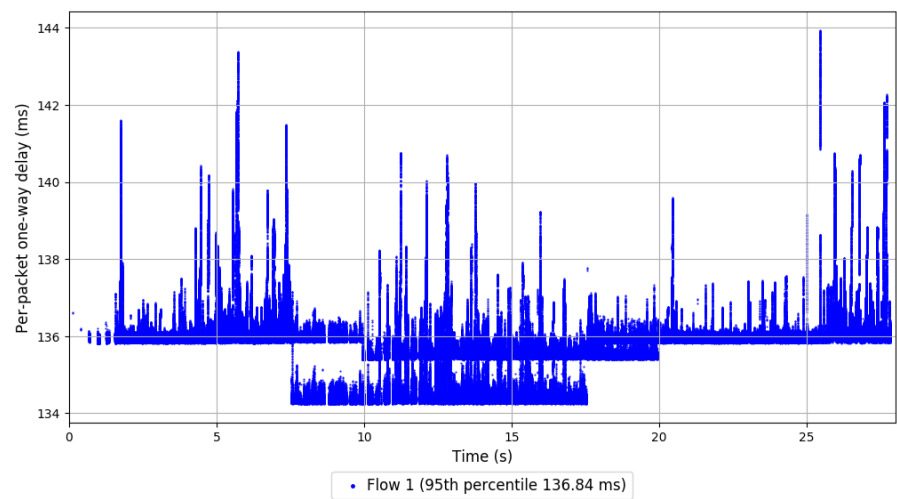
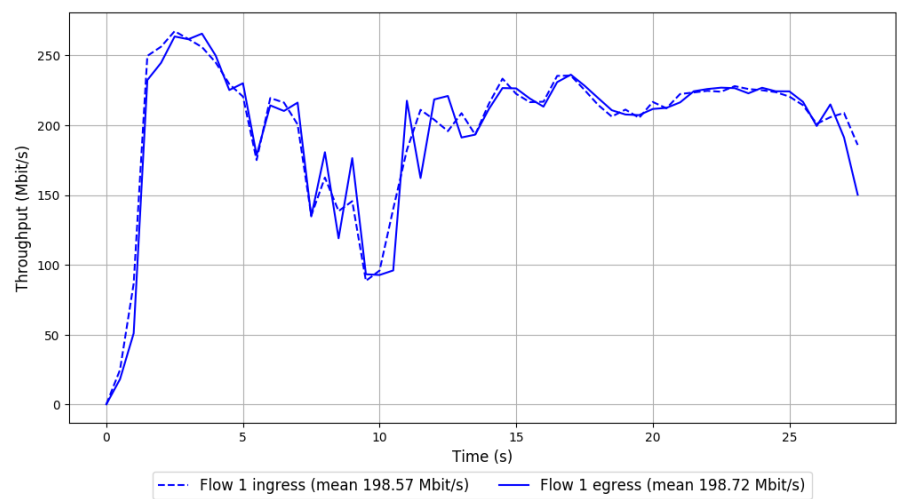
-- Flow 1:

Average throughput: 198.72 Mbit/s

95th percentile per-packet one-way delay: 136.835 ms

Loss rate: 0.90%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-16 23:33:39

End at: 2018-01-16 23:34:09

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.24 Mbit/s

95th percentile per-packet one-way delay: 137.810 ms

Loss rate: 0.96%

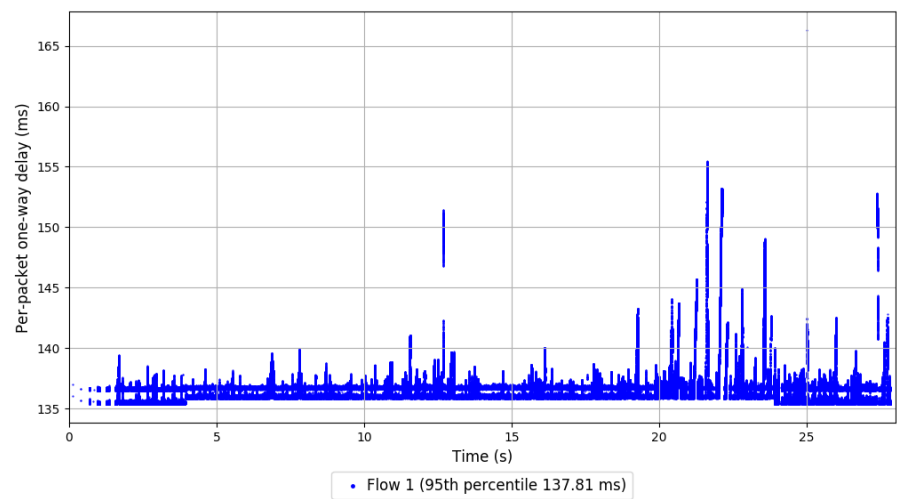
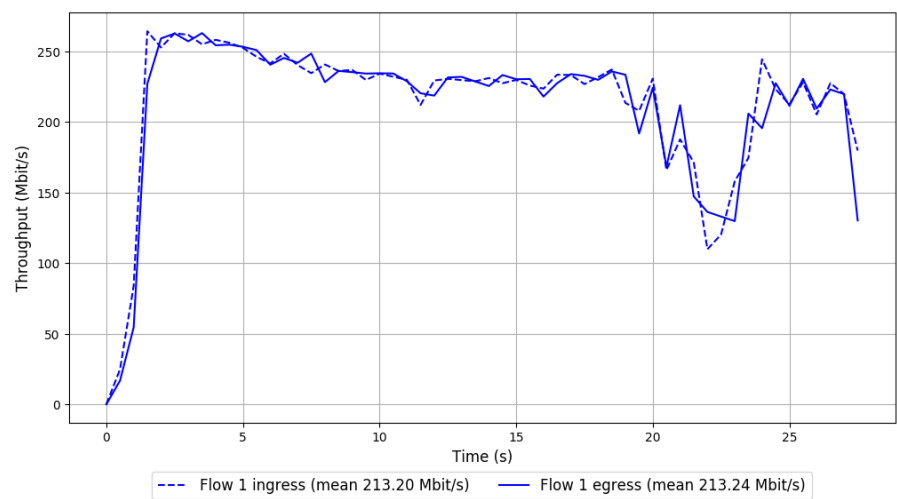
-- Flow 1:

Average throughput: 213.24 Mbit/s

95th percentile per-packet one-way delay: 137.810 ms

Loss rate: 0.96%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-16 23:49:35

End at: 2018-01-16 23:50:06

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.32 Mbit/s

95th percentile per-packet one-way delay: 163.718 ms

Loss rate: 1.45%

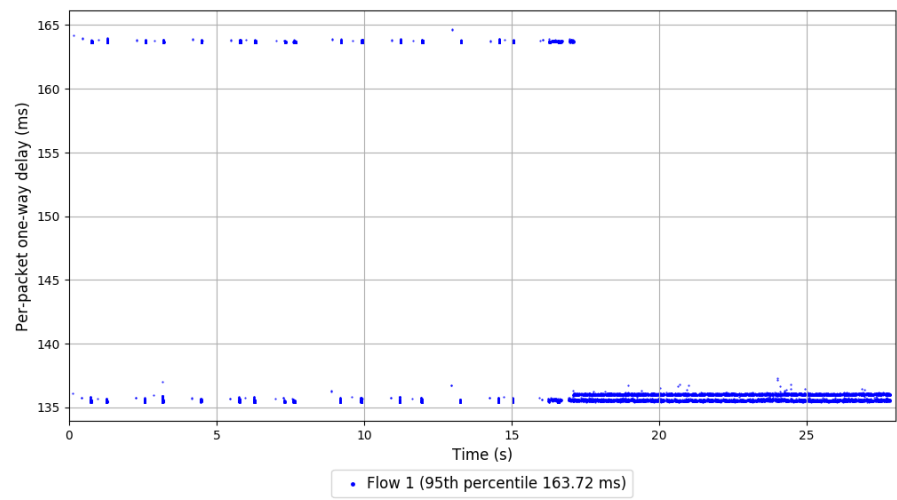
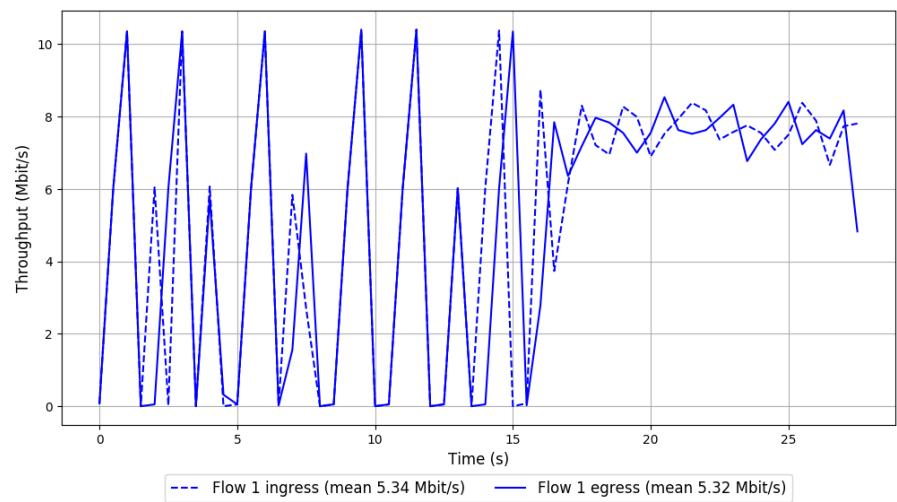
-- Flow 1:

Average throughput: 5.32 Mbit/s

95th percentile per-packet one-way delay: 163.718 ms

Loss rate: 1.45%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-17 00:05:21

End at: 2018-01-17 00:05:51

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.18 Mbit/s

95th percentile per-packet one-way delay: 135.901 ms

Loss rate: 1.08%

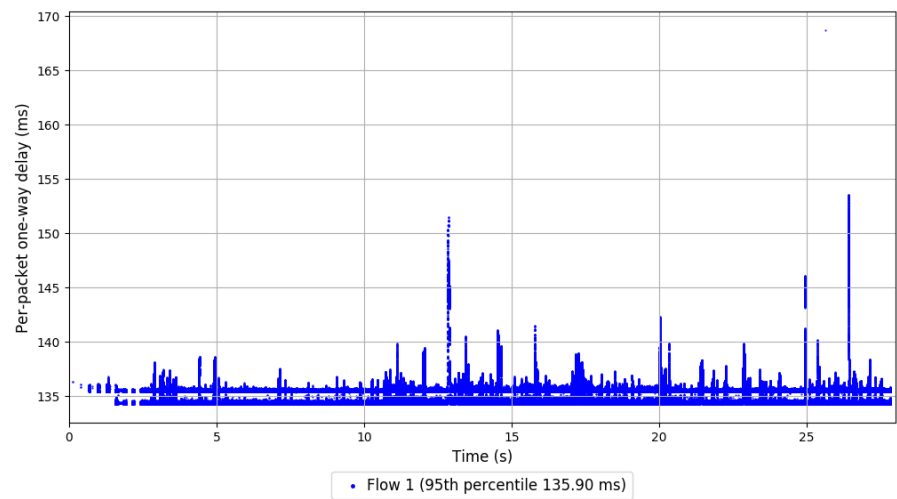
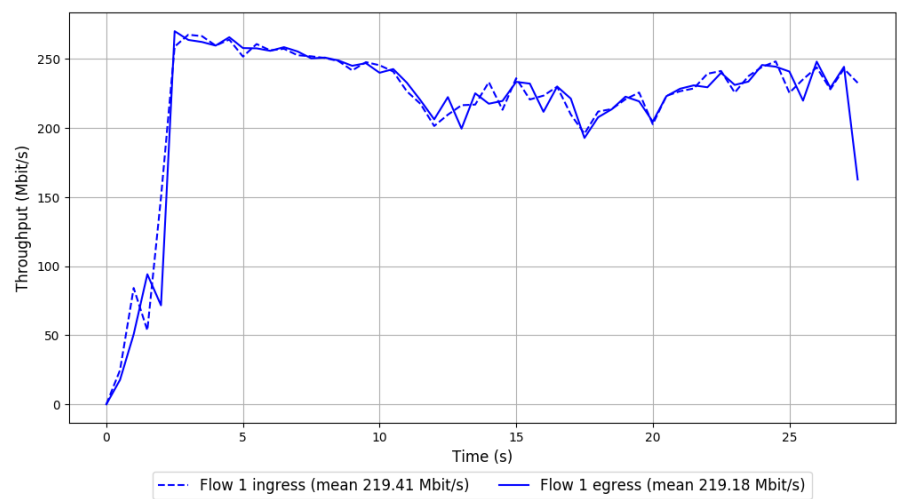
-- Flow 1:

Average throughput: 219.18 Mbit/s

95th percentile per-packet one-way delay: 135.901 ms

Loss rate: 1.08%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-17 00:21:18

End at: 2018-01-17 00:21:48

Below is generated by plot.py at 2018-01-17 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.48 Mbit/s

95th percentile per-packet one-way delay: 136.001 ms

Loss rate: 0.76%

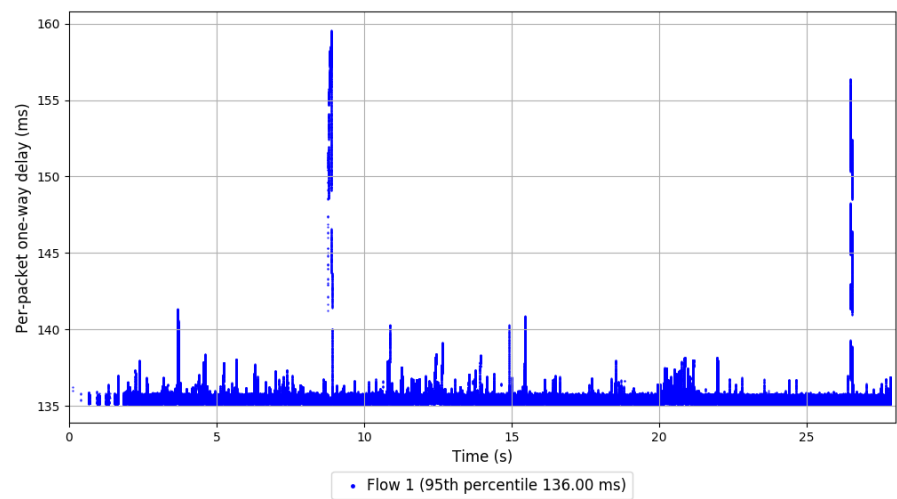
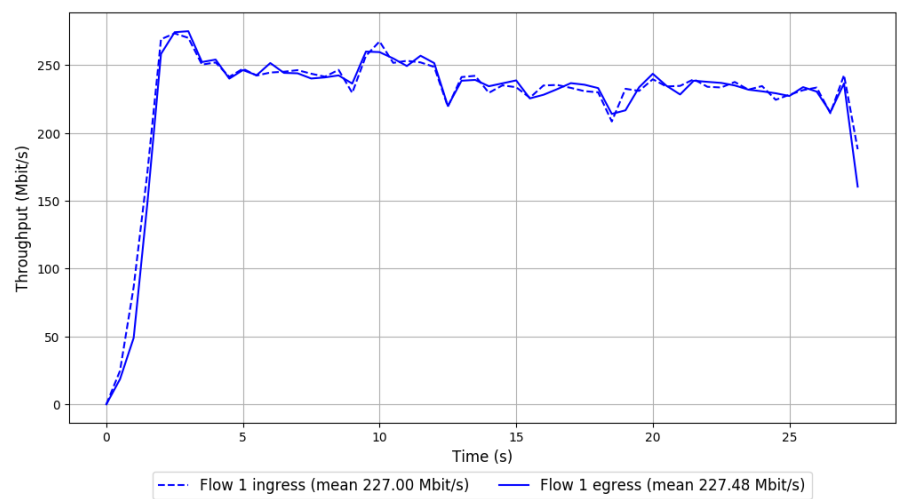
-- Flow 1:

Average throughput: 227.48 Mbit/s

95th percentile per-packet one-way delay: 136.001 ms

Loss rate: 0.76%

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

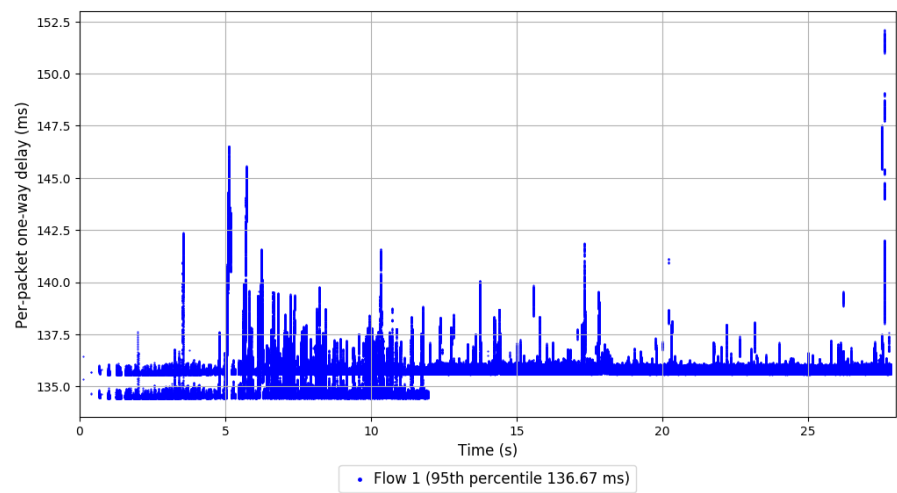
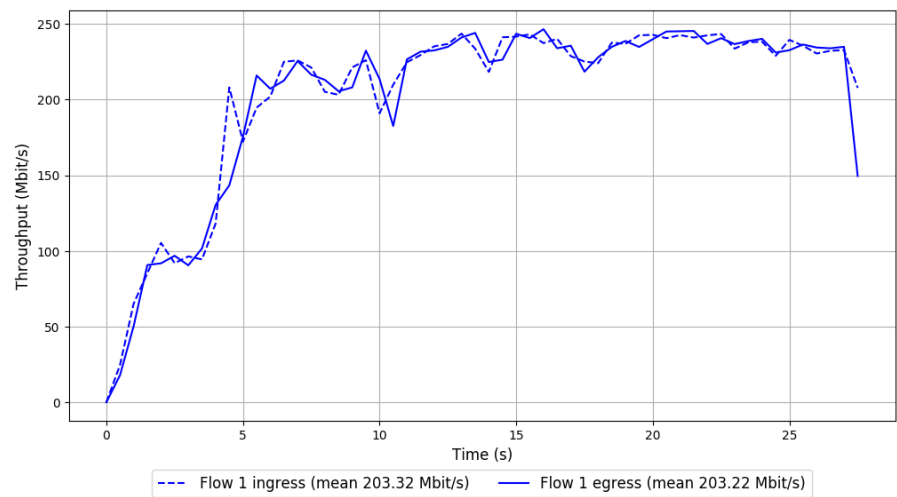


```
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-17 00:37:04
End at: 2018-01-17 00:37:34

# Below is generated by plot.py at 2018-01-17 04:08:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.22 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 203.22 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 1.03%
```


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

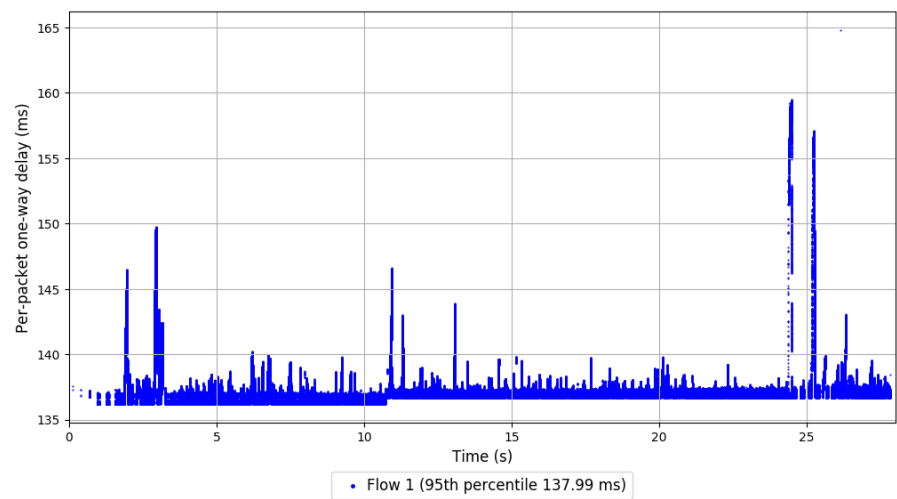
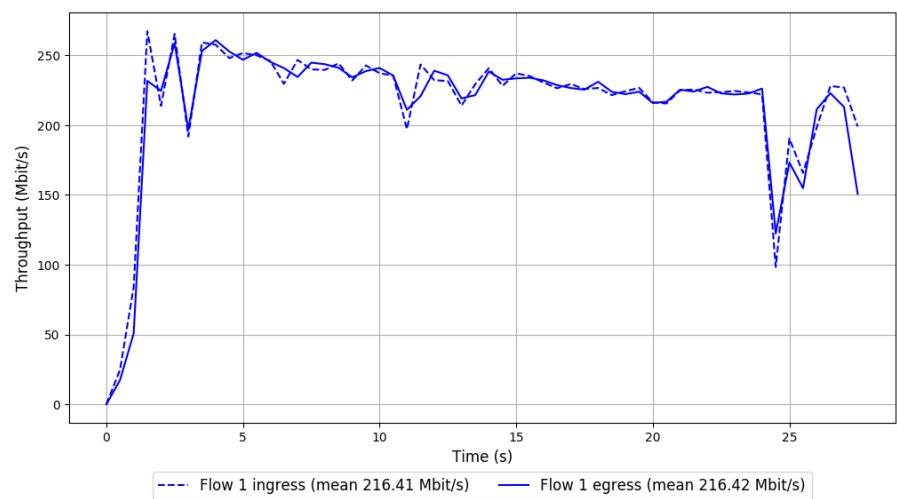


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-17 00:53:02
End at: 2018-01-17 00:53:32

# Below is generated by plot.py at 2018-01-17 04:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.42 Mbit/s
95th percentile per-packet one-way delay: 137.993 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 216.42 Mbit/s
95th percentile per-packet one-way delay: 137.993 ms
Loss rate: 0.97%
```

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



Run 1: Statistics of TCP Vegas

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

End at: 2018-01-16 22:26:23

Below is generated by plot.py at 2018-01-17 04:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.87 Mbit/s

95th percentile per-packet one-way delay: 146.008 ms

Loss rate: 0.51%

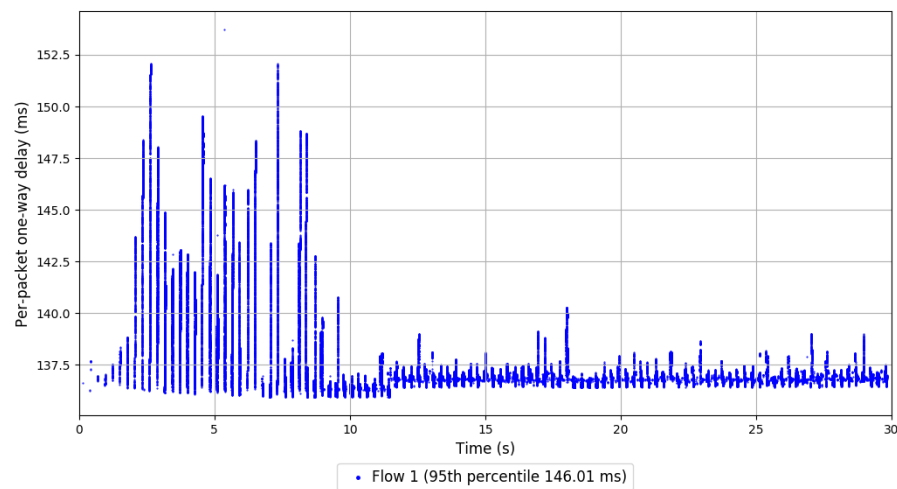
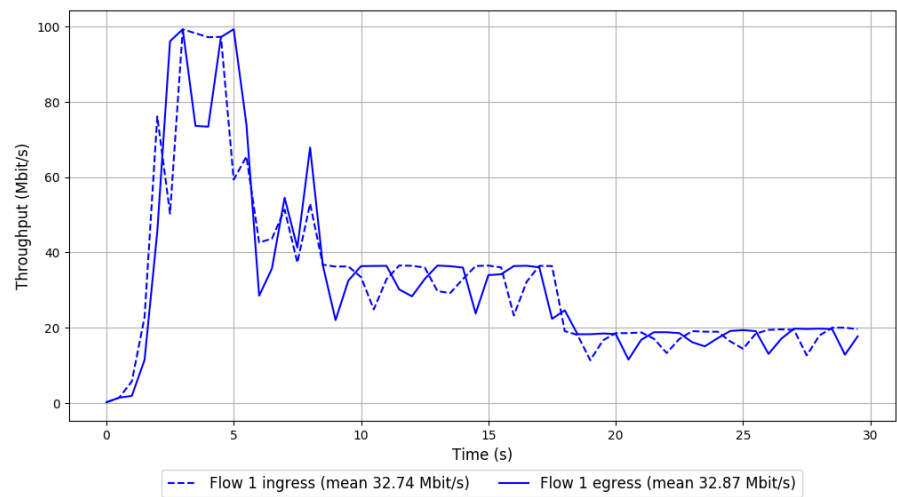
-- Flow 1:

Average throughput: 32.87 Mbit/s

95th percentile per-packet one-way delay: 146.008 ms

Loss rate: 0.51%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 22:42:13

End at: 2018-01-16 22:42:43

Below is generated by plot.py at 2018-01-17 04:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 137.945 ms

Loss rate: 0.78%

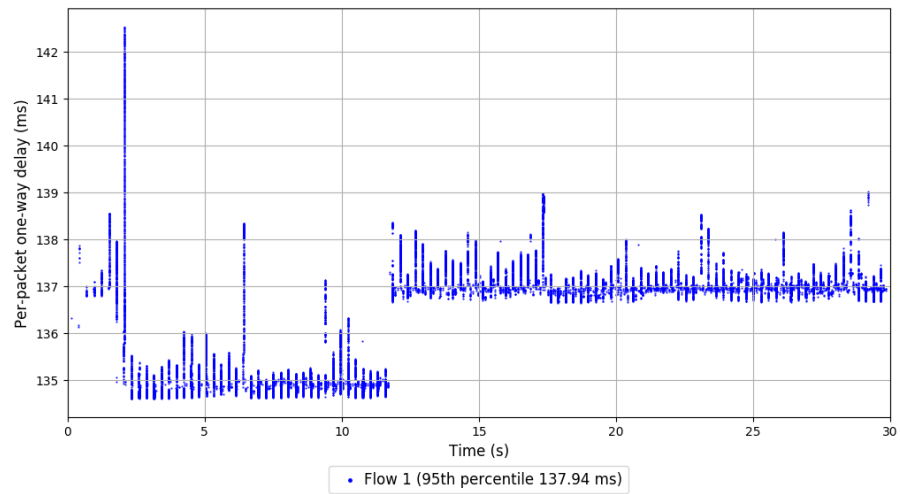
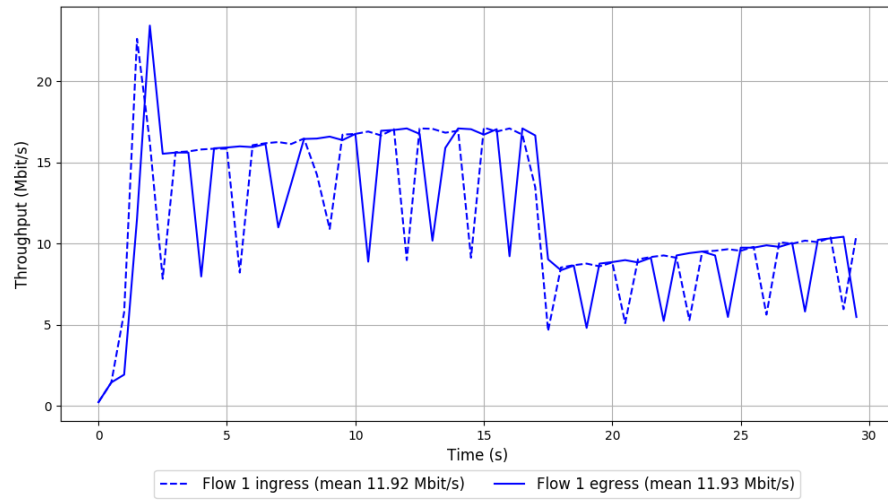
-- Flow 1:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 137.945 ms

Loss rate: 0.78%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-16 22:58:14

End at: 2018-01-16 22:58:44

Below is generated by plot.py at 2018-01-17 04:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.42 Mbit/s

95th percentile per-packet one-way delay: 146.327 ms

Loss rate: 0.94%

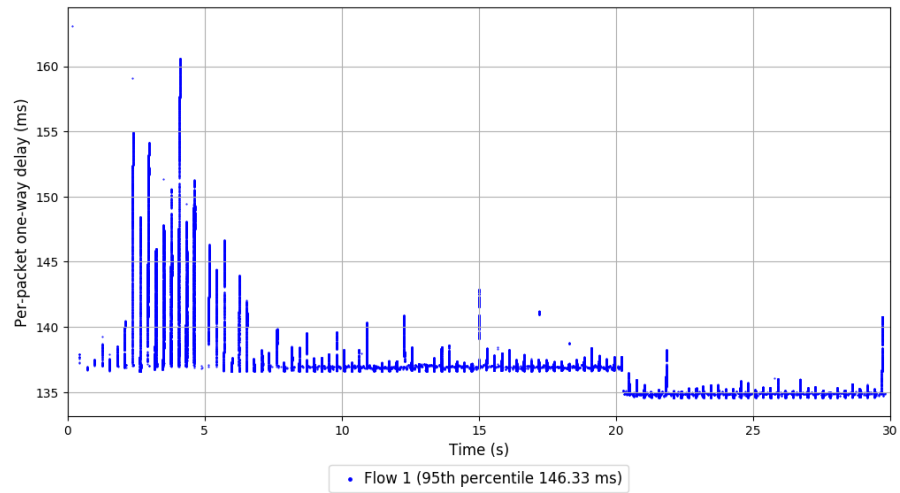
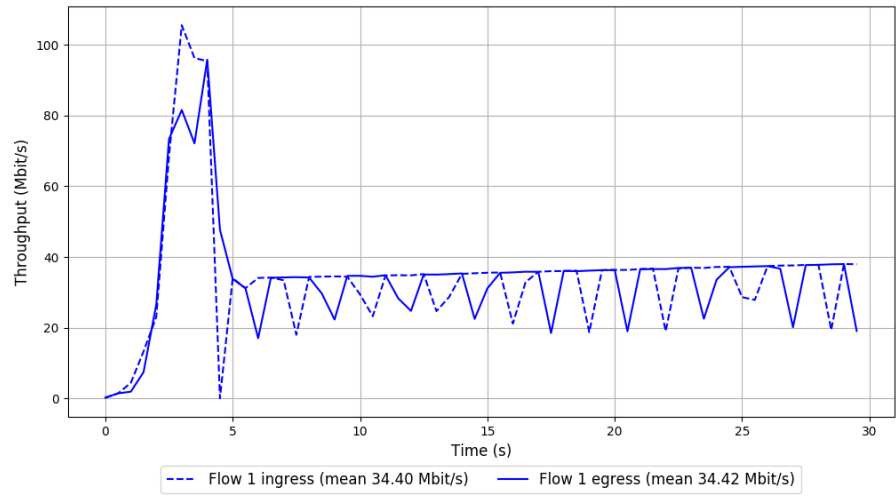
-- Flow 1:

Average throughput: 34.42 Mbit/s

95th percentile per-packet one-way delay: 146.327 ms

Loss rate: 0.94%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-16 23:13:28

End at: 2018-01-16 23:13:58

Below is generated by plot.py at 2018-01-17 04:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.50 Mbit/s

95th percentile per-packet one-way delay: 138.268 ms

Loss rate: 0.48%

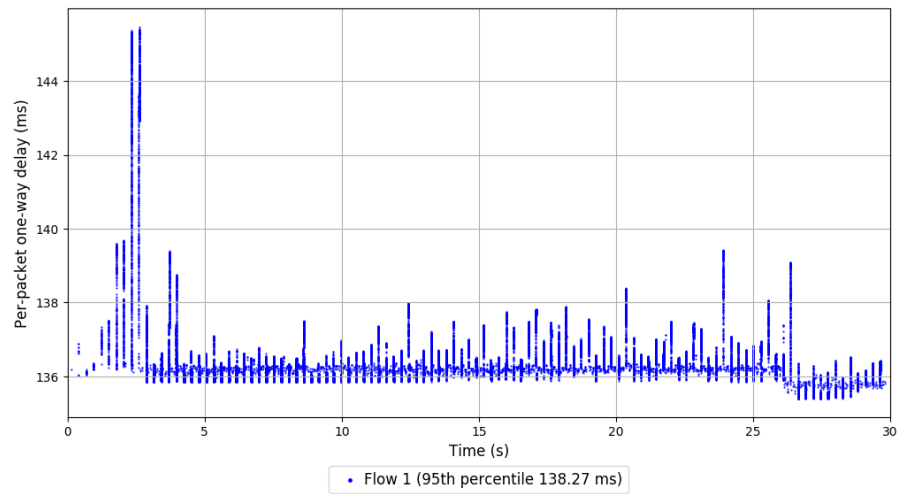
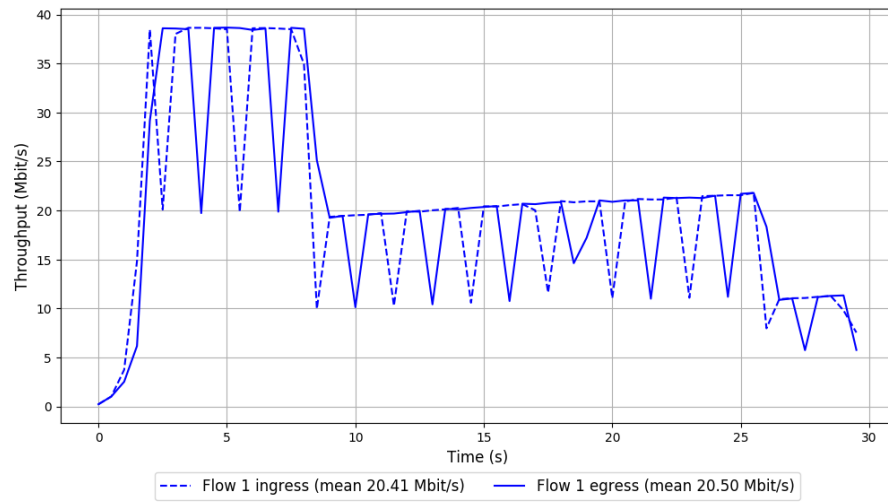
-- Flow 1:

Average throughput: 20.50 Mbit/s

95th percentile per-packet one-way delay: 138.268 ms

Loss rate: 0.48%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-16 23:29:26

End at: 2018-01-16 23:29:57

Below is generated by plot.py at 2018-01-17 04:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.70 Mbit/s

95th percentile per-packet one-way delay: 145.085 ms

Loss rate: 0.74%

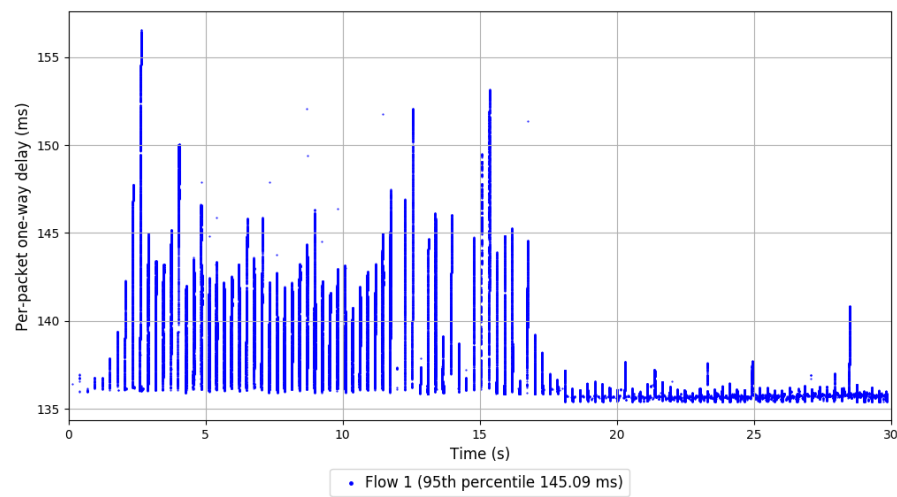
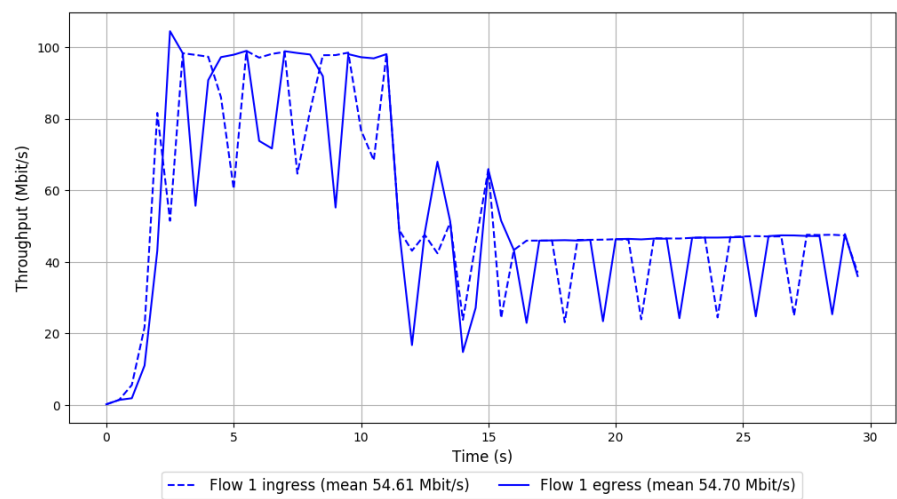
-- Flow 1:

Average throughput: 54.70 Mbit/s

95th percentile per-packet one-way delay: 145.085 ms

Loss rate: 0.74%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-16 23:45:25

End at: 2018-01-16 23:45:55

Below is generated by plot.py at 2018-01-17 04:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.58 Mbit/s

95th percentile per-packet one-way delay: 137.925 ms

Loss rate: 0.96%

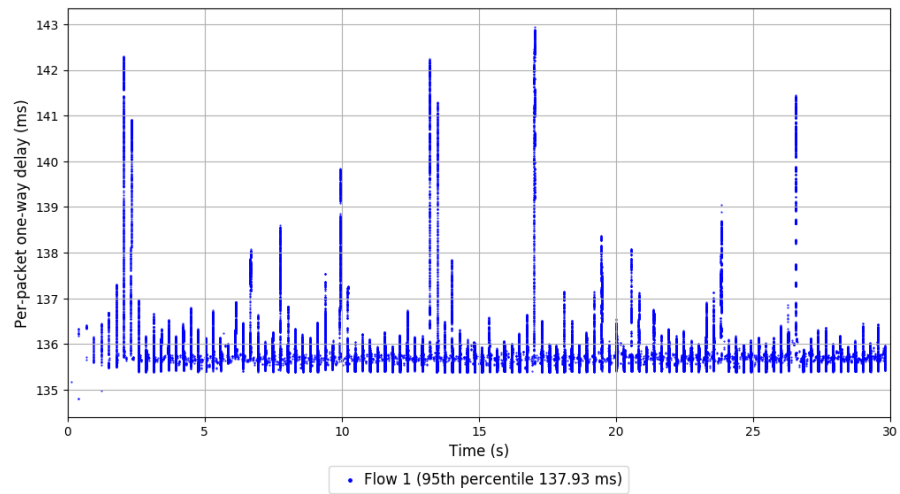
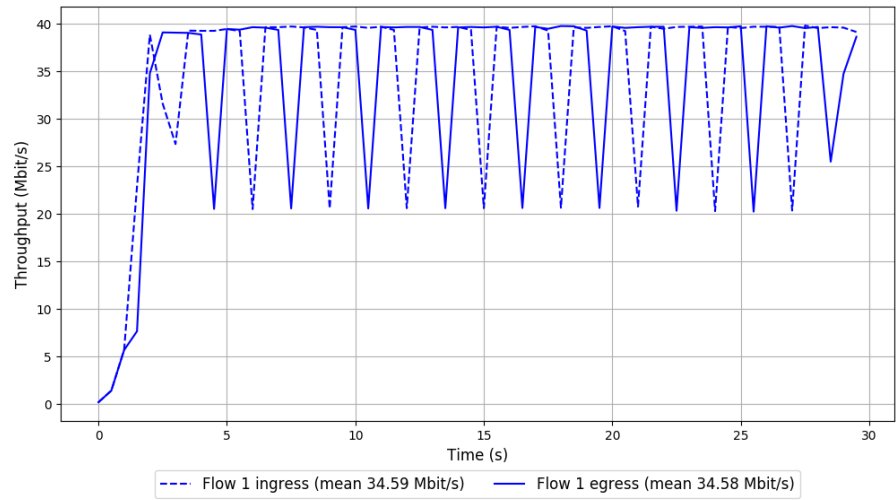
-- Flow 1:

Average throughput: 34.58 Mbit/s

95th percentile per-packet one-way delay: 137.925 ms

Loss rate: 0.96%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-17 00:01:09

End at: 2018-01-17 00:01:39

Below is generated by plot.py at 2018-01-17 04:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 136.478 ms

Loss rate: 1.37%

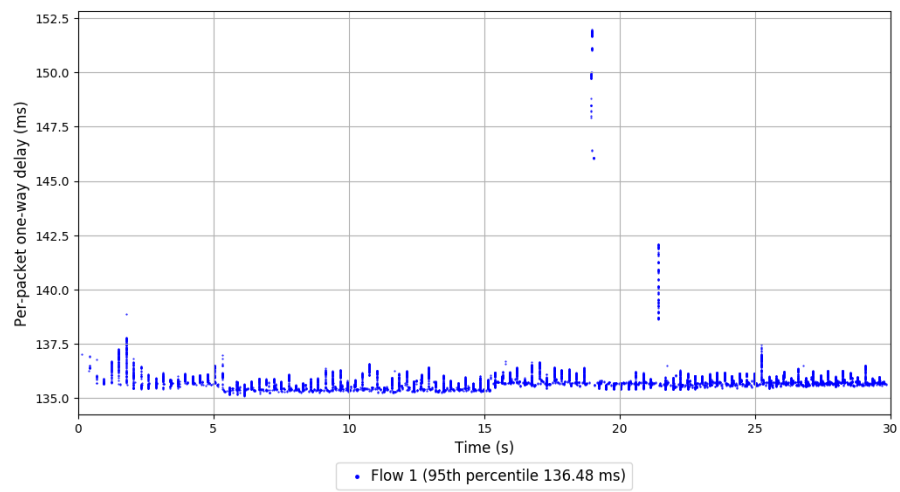
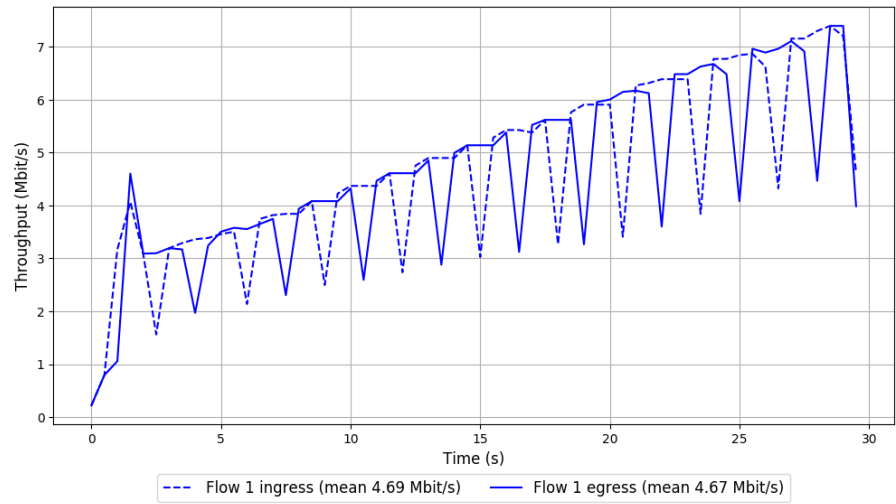
-- Flow 1:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 136.478 ms

Loss rate: 1.37%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-17 00:17:09

End at: 2018-01-17 00:17:39

Below is generated by plot.py at 2018-01-17 04:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.88 Mbit/s

95th percentile per-packet one-way delay: 138.058 ms

Loss rate: 0.77%

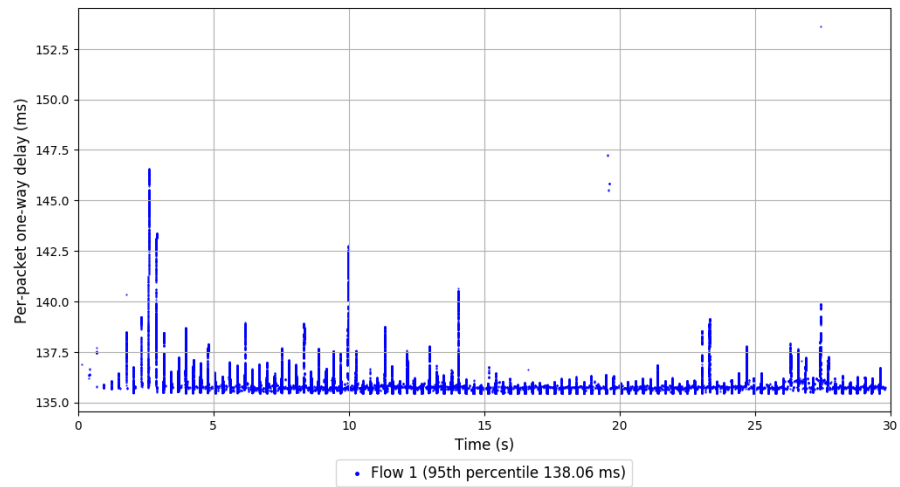
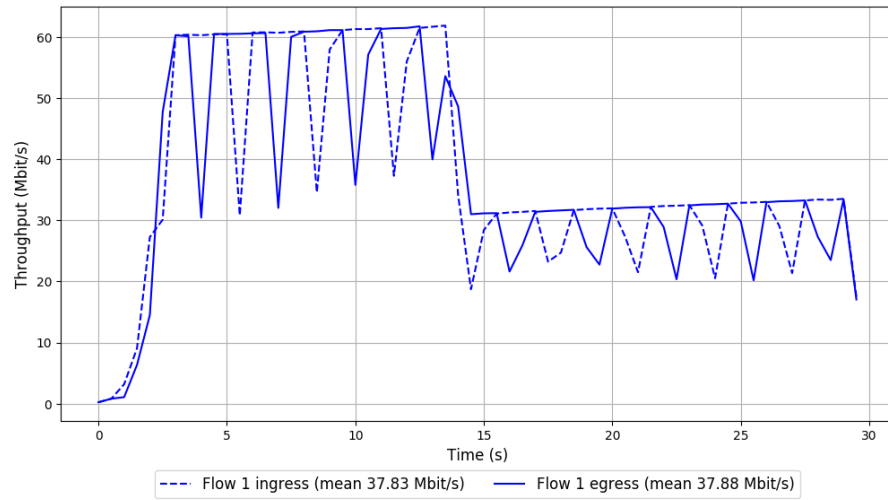
-- Flow 1:

Average throughput: 37.88 Mbit/s

95th percentile per-packet one-way delay: 138.058 ms

Loss rate: 0.77%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-17 00:32:53

End at: 2018-01-17 00:33:23

Below is generated by plot.py at 2018-01-17 04:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 138.375 ms

Loss rate: 1.06%

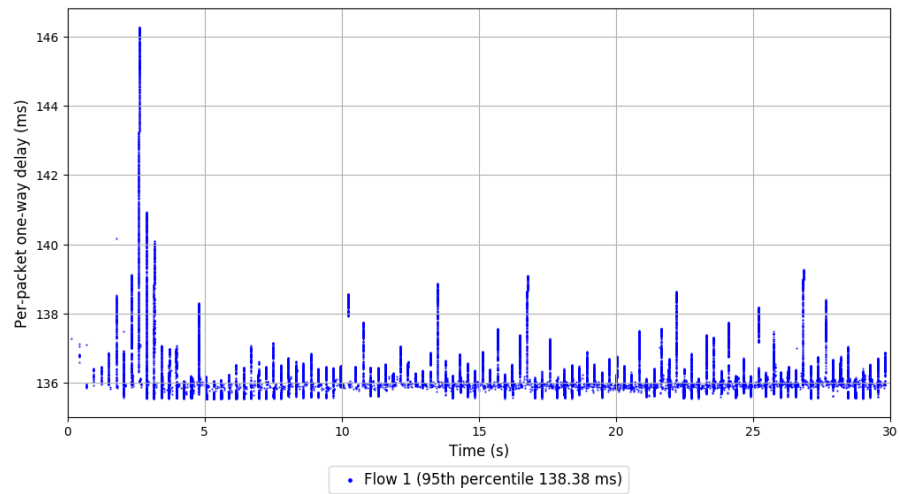
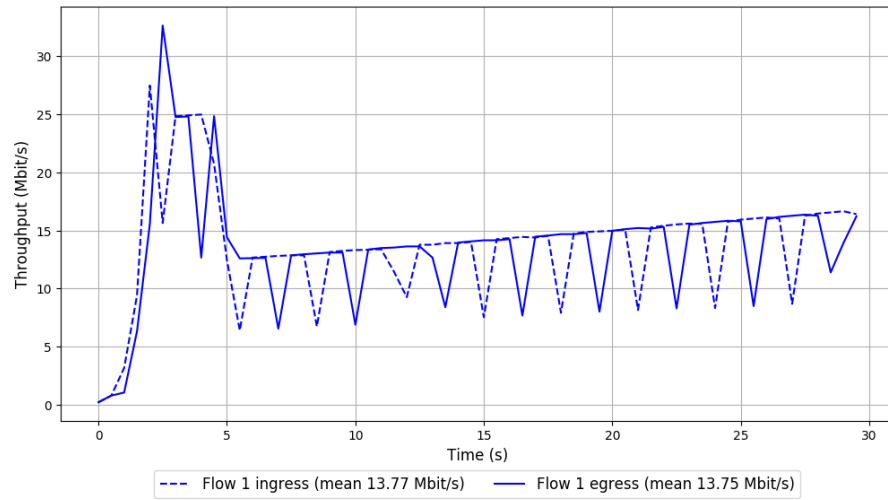
-- Flow 1:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 138.375 ms

Loss rate: 1.06%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-17 00:48:47

End at: 2018-01-17 00:49:17

Below is generated by plot.py at 2018-01-17 04:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.44 Mbit/s

95th percentile per-packet one-way delay: 139.134 ms

Loss rate: 0.44%

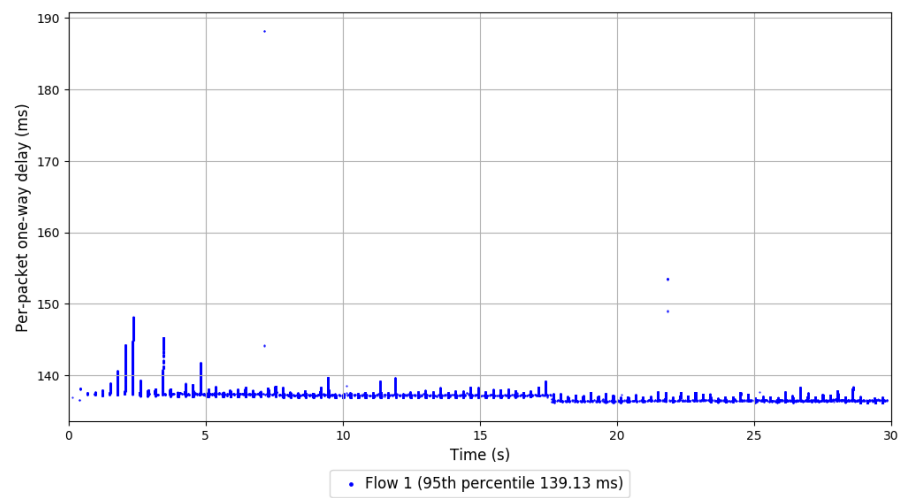
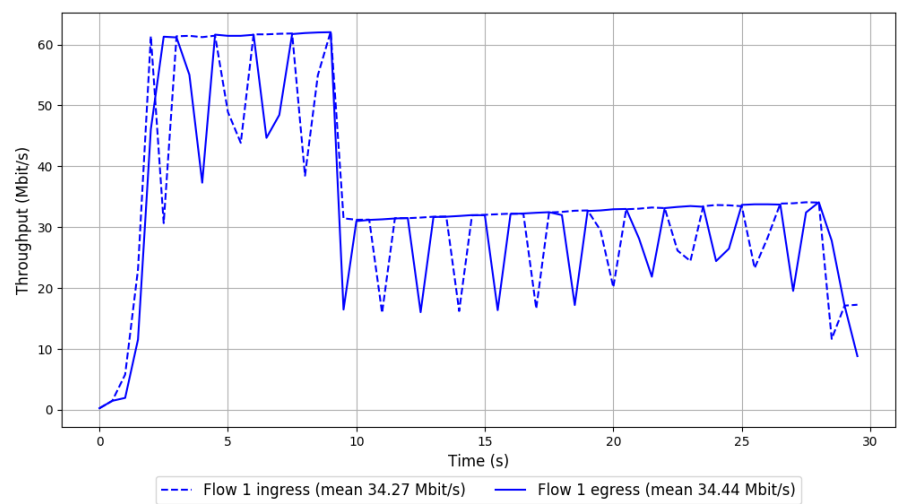
-- Flow 1:

Average throughput: 34.44 Mbit/s

95th percentile per-packet one-way delay: 139.134 ms

Loss rate: 0.44%

Run 10: Report of TCP Vegas — Data Link

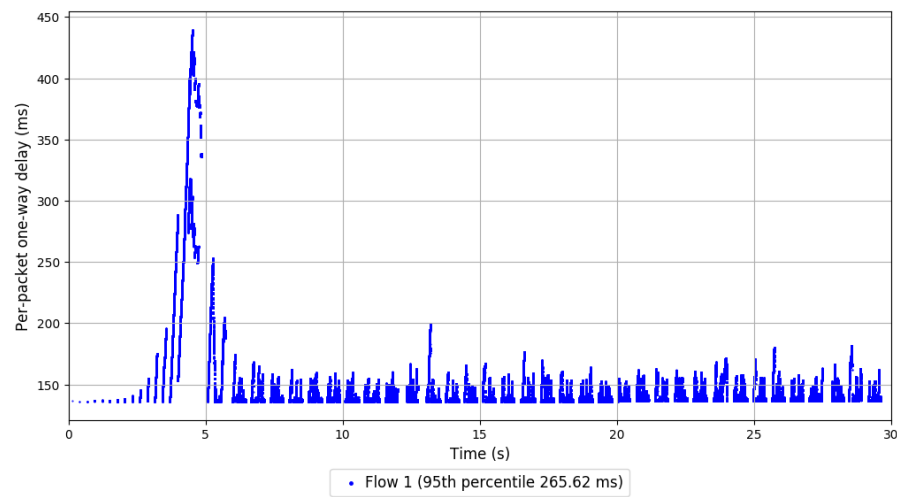
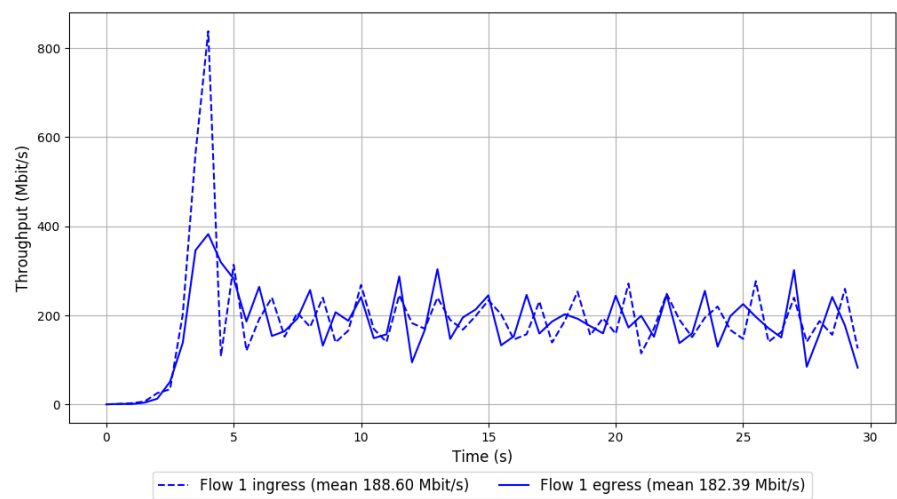


```
Run 1: Statistics of Verus

Start at: 2018-01-16 22:21:04
End at: 2018-01-16 22:21:34

# Below is generated by plot.py at 2018-01-17 04:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.39 Mbit/s
95th percentile per-packet one-way delay: 265.619 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 182.39 Mbit/s
95th percentile per-packet one-way delay: 265.619 ms
Loss rate: 4.83%
```


Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-16 22:37:12

End at: 2018-01-16 22:37:43

Below is generated by plot.py at 2018-01-17 04:10:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.66 Mbit/s

95th percentile per-packet one-way delay: 370.041 ms

Loss rate: 14.60%

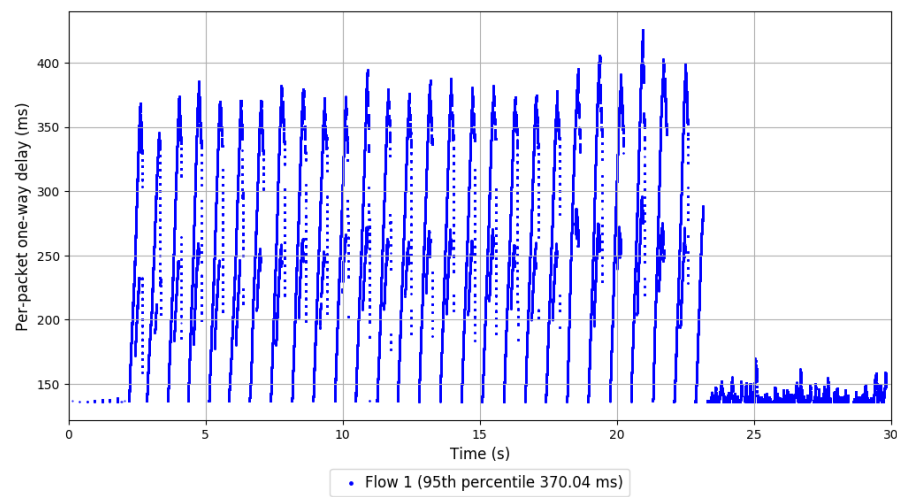
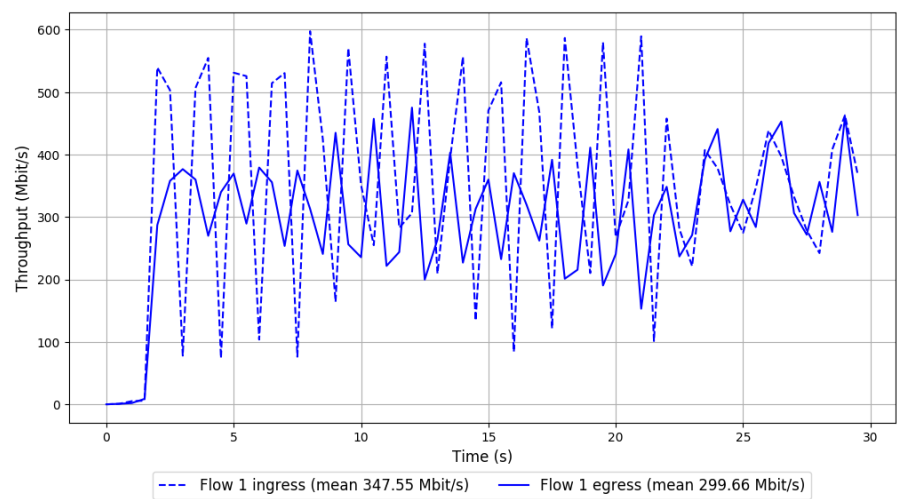
-- Flow 1:

Average throughput: 299.66 Mbit/s

95th percentile per-packet one-way delay: 370.041 ms

Loss rate: 14.60%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-16 22:53:20

End at: 2018-01-16 22:53:50

Below is generated by plot.py at 2018-01-17 04:10:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.78 Mbit/s

95th percentile per-packet one-way delay: 217.622 ms

Loss rate: 3.25%

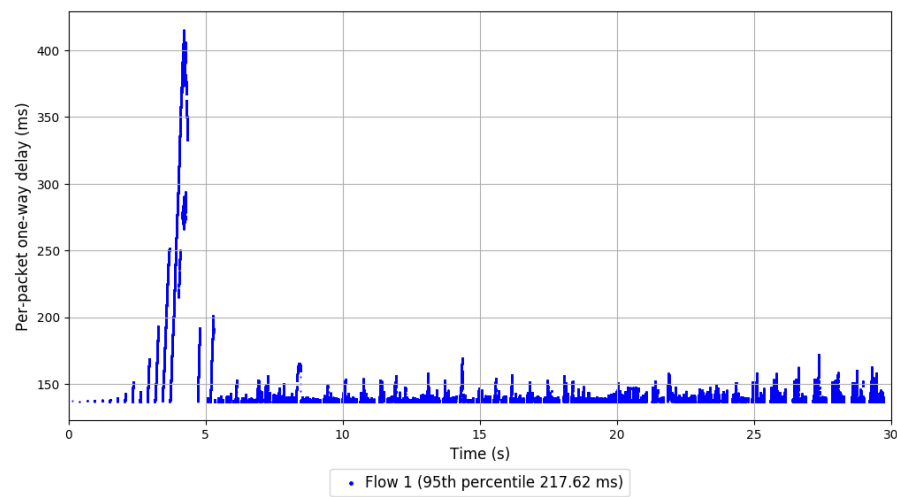
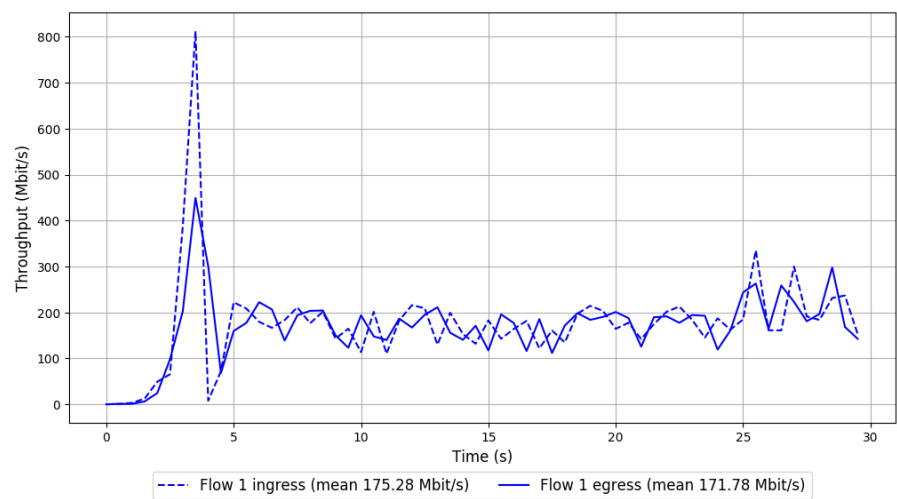
-- Flow 1:

Average throughput: 171.78 Mbit/s

95th percentile per-packet one-way delay: 217.622 ms

Loss rate: 3.25%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-16 23:08:47

End at: 2018-01-16 23:09:17

Below is generated by plot.py at 2018-01-17 04:10:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.83 Mbit/s

95th percentile per-packet one-way delay: 190.532 ms

Loss rate: 1.28%

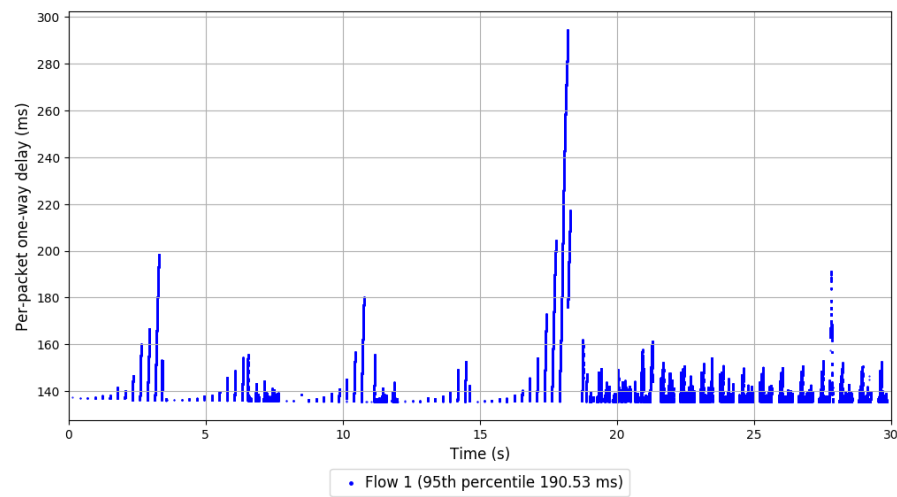
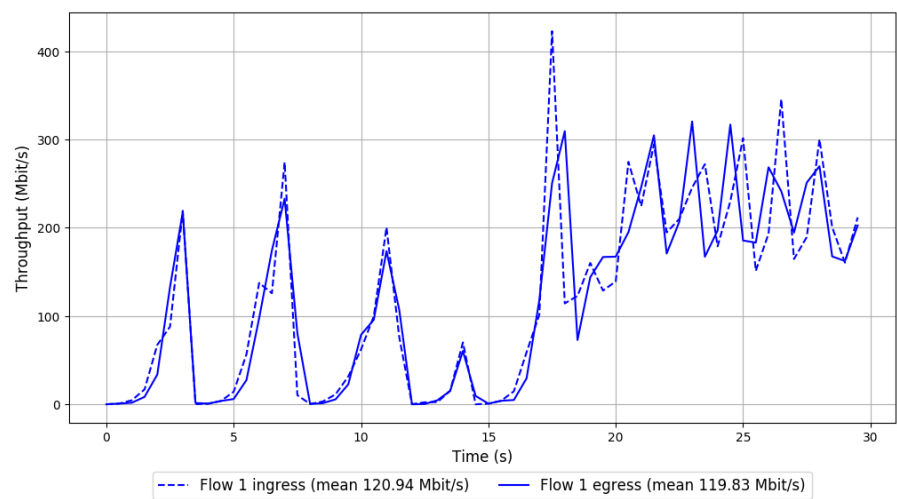
-- Flow 1:

Average throughput: 119.83 Mbit/s

95th percentile per-packet one-way delay: 190.532 ms

Loss rate: 1.28%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-16 23:24:40

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

Below is generated by plot.py at 2018-01-17 04:10:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.84 Mbit/s

95th percentile per-packet one-way delay: 291.460 ms

Loss rate: 5.87%

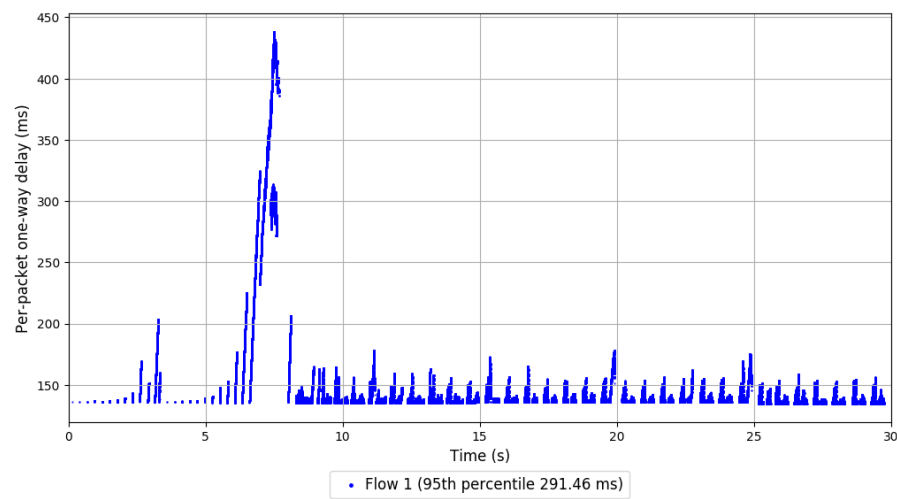
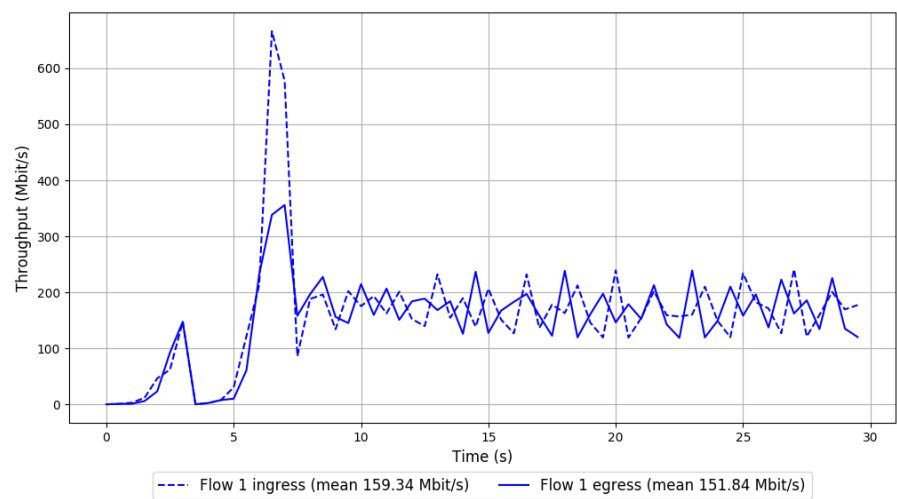
-- Flow 1:

Average throughput: 151.84 Mbit/s

95th percentile per-packet one-way delay: 291.460 ms

Loss rate: 5.87%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-16 23:40:32

End at: 2018-01-16 23:41:02

Below is generated by plot.py at 2018-01-17 04:10:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.83 Mbit/s

95th percentile per-packet one-way delay: 324.305 ms

Loss rate: 6.99%

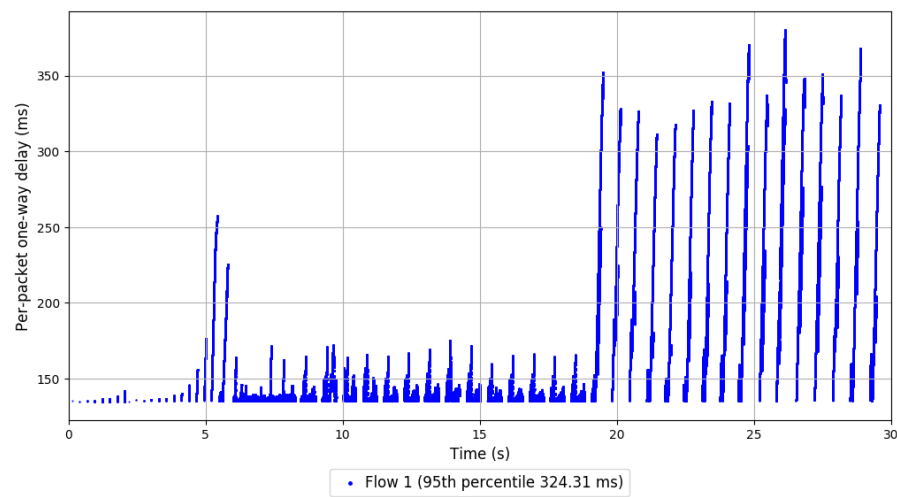
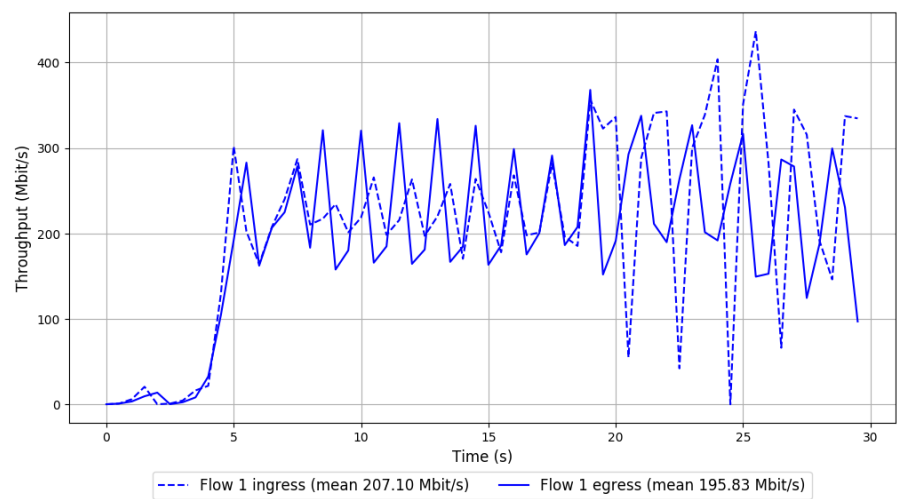
-- Flow 1:

Average throughput: 195.83 Mbit/s

95th percentile per-packet one-way delay: 324.305 ms

Loss rate: 6.99%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-16 23:56:12

End at: 2018-01-16 23:56:43

Below is generated by plot.py at 2018-01-17 04:11:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.22 Mbit/s

95th percentile per-packet one-way delay: 359.427 ms

Loss rate: 9.38%

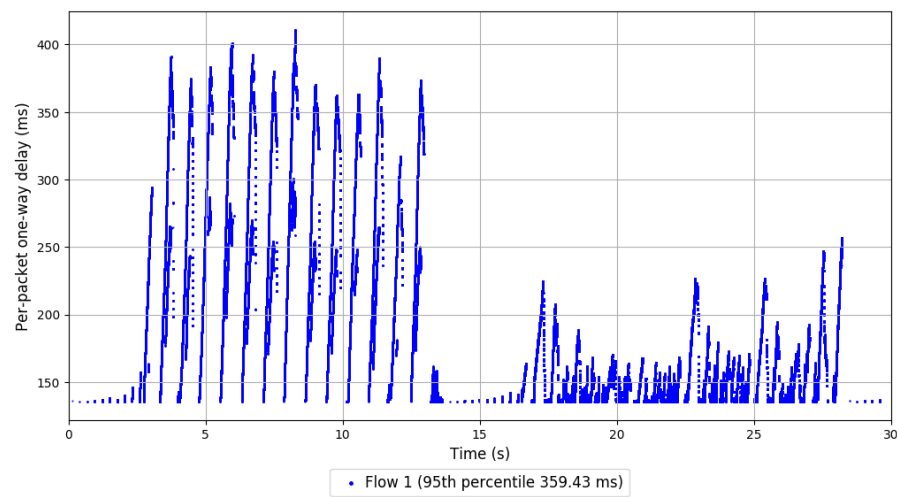
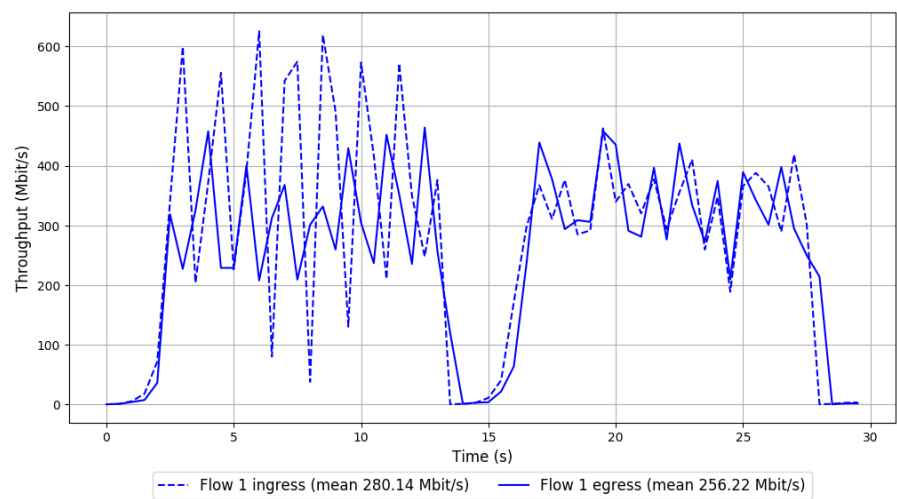
-- Flow 1:

Average throughput: 256.22 Mbit/s

95th percentile per-packet one-way delay: 359.427 ms

Loss rate: 9.38%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-17 00:12:25

End at: 2018-01-17 00:12:55

Below is generated by plot.py at 2018-01-17 04:11:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.20 Mbit/s

95th percentile per-packet one-way delay: 355.187 ms

Loss rate: 7.00%

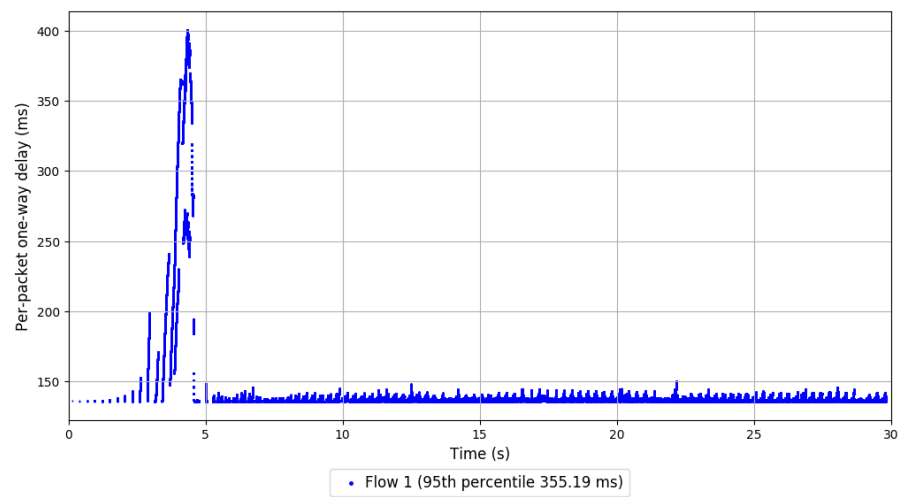
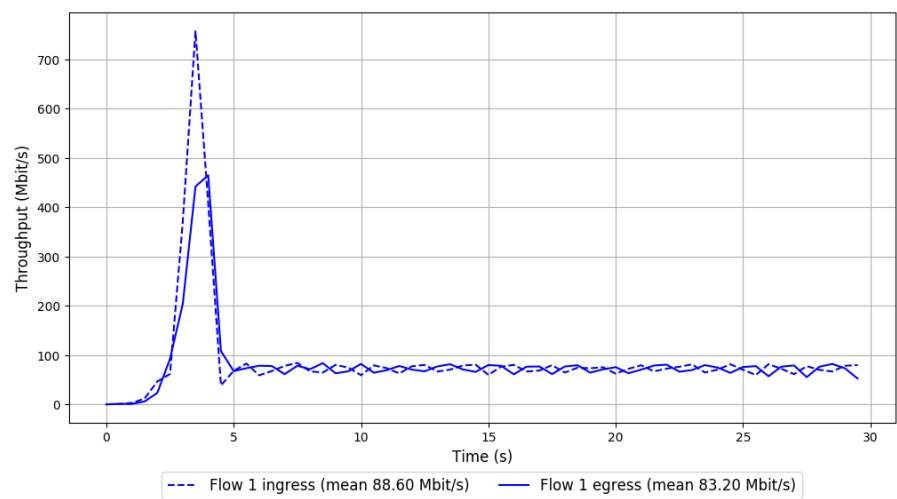
-- Flow 1:

Average throughput: 83.20 Mbit/s

95th percentile per-packet one-way delay: 355.187 ms

Loss rate: 7.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-17 00:27:59

End at: 2018-01-17 00:28:30

Below is generated by plot.py at 2018-01-17 04:11:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.29 Mbit/s

95th percentile per-packet one-way delay: 279.408 ms

Loss rate: 5.06%

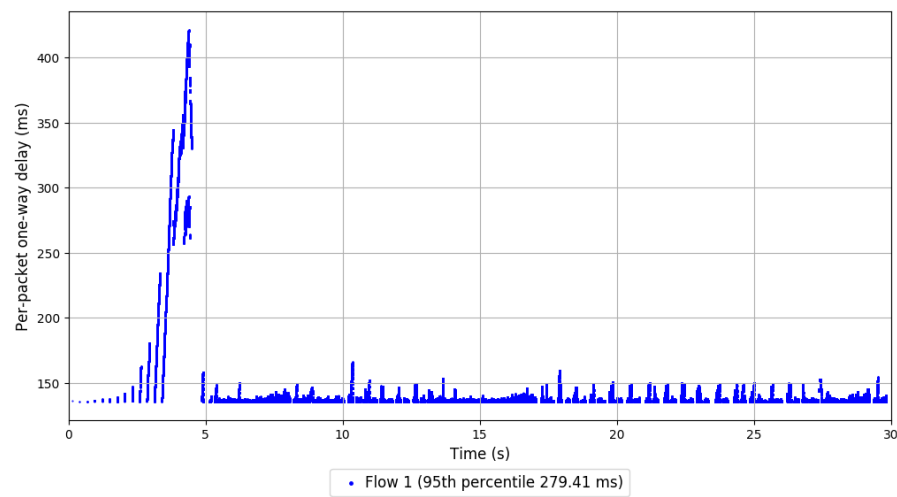
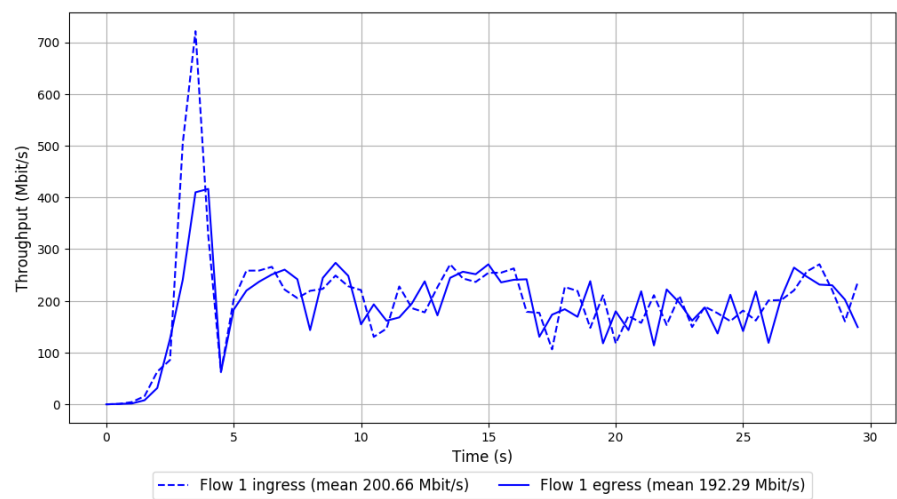
-- Flow 1:

Average throughput: 192.29 Mbit/s

95th percentile per-packet one-way delay: 279.408 ms

Loss rate: 5.06%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-17 00:43:55

End at: 2018-01-17 00:44:25

Below is generated by plot.py at 2018-01-17 04:12:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.44 Mbit/s

95th percentile per-packet one-way delay: 293.897 ms

Loss rate: 6.49%

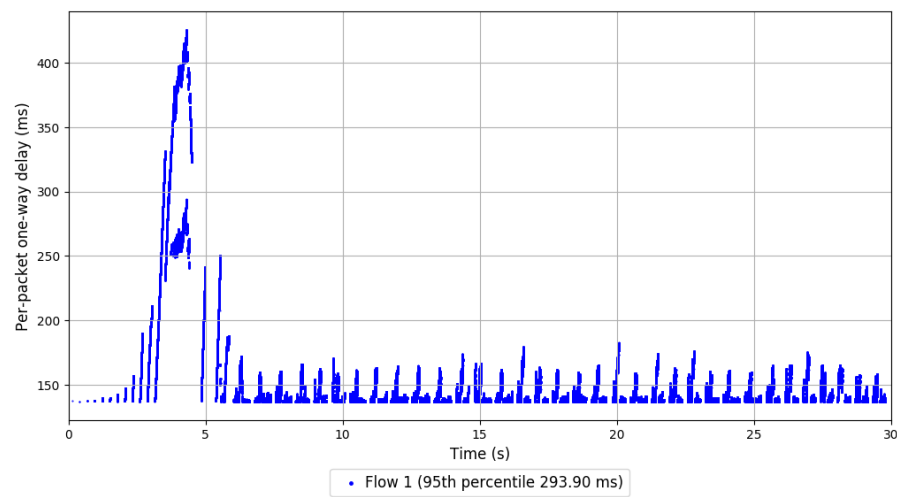
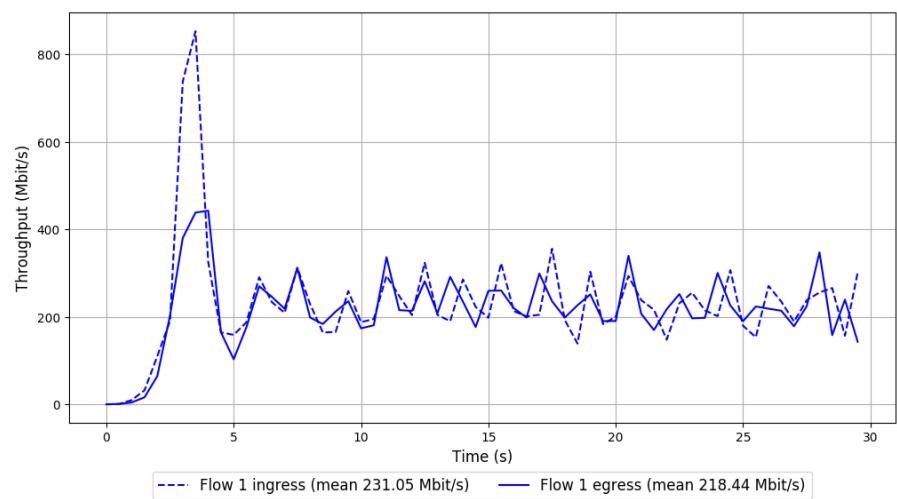
-- Flow 1:

Average throughput: 218.44 Mbit/s

95th percentile per-packet one-way delay: 293.897 ms

Loss rate: 6.49%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-16 22:27:49

End at: 2018-01-16 22:28:19

Below is generated by plot.py at 2018-01-17 04:12:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.13 Mbit/s

95th percentile per-packet one-way delay: 136.505 ms

Loss rate: 1.05%

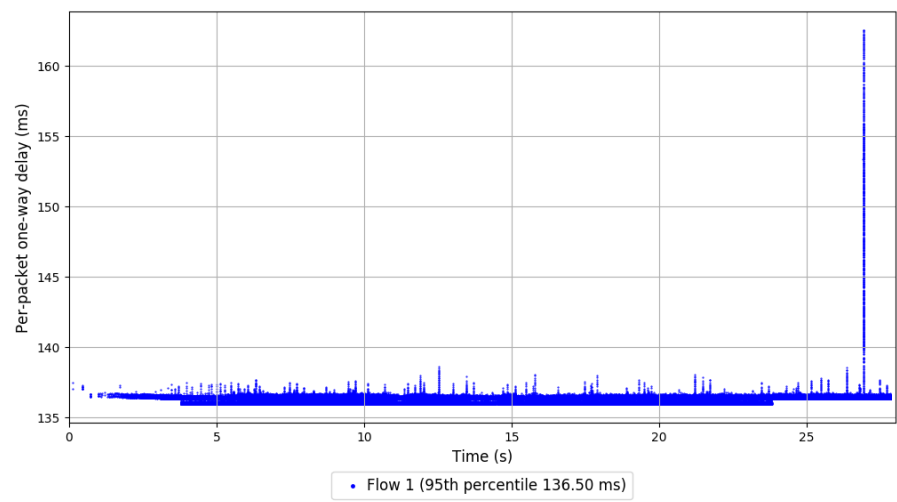
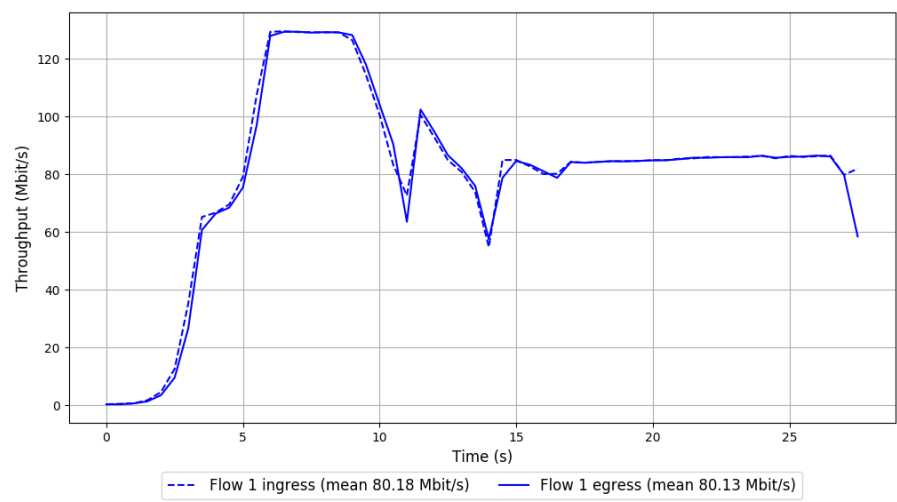
-- Flow 1:

Average throughput: 80.13 Mbit/s

95th percentile per-packet one-way delay: 136.505 ms

Loss rate: 1.05%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-16 22:44:05

End at: 2018-01-16 22:44:35

Below is generated by plot.py at 2018-01-17 04:12:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.07 Mbit/s

95th percentile per-packet one-way delay: 136.781 ms

Loss rate: 3.00%

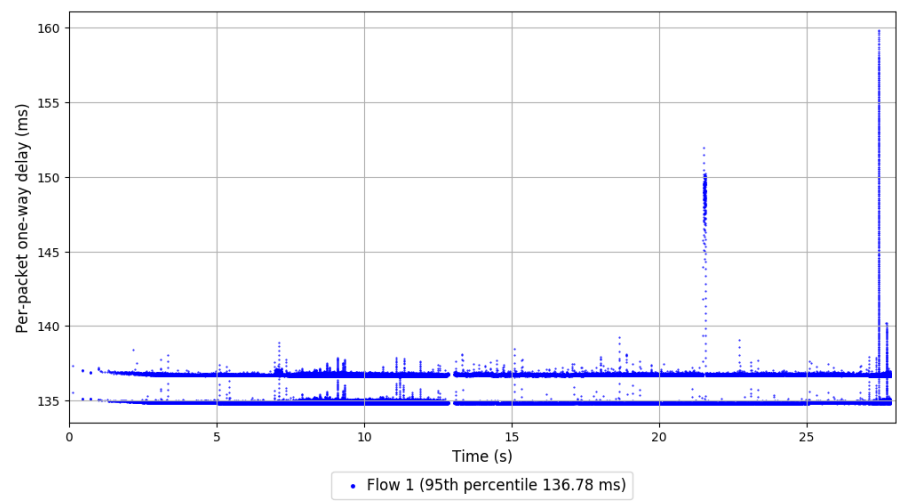
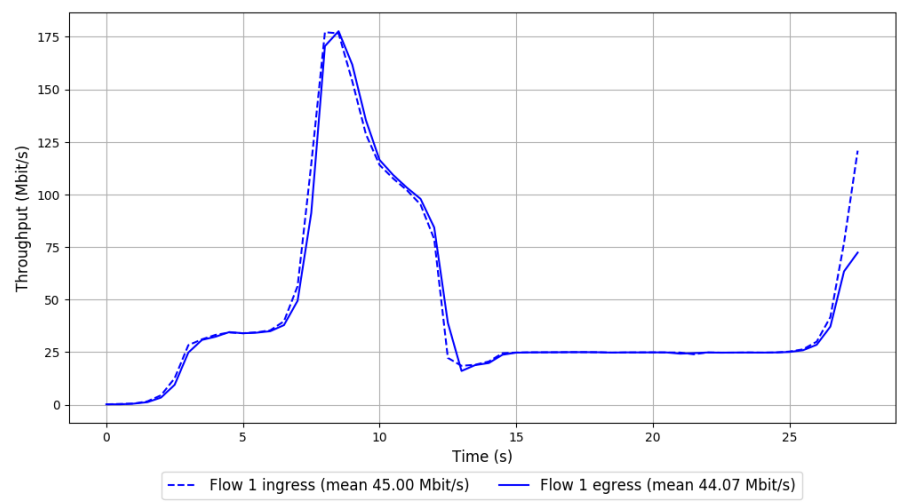
-- Flow 1:

Average throughput: 44.07 Mbit/s

95th percentile per-packet one-way delay: 136.781 ms

Loss rate: 3.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-16 22:59:57

End at: 2018-01-16 23:00:27

Below is generated by plot.py at 2018-01-17 04:12:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 162.452 ms

Loss rate: 1.56%

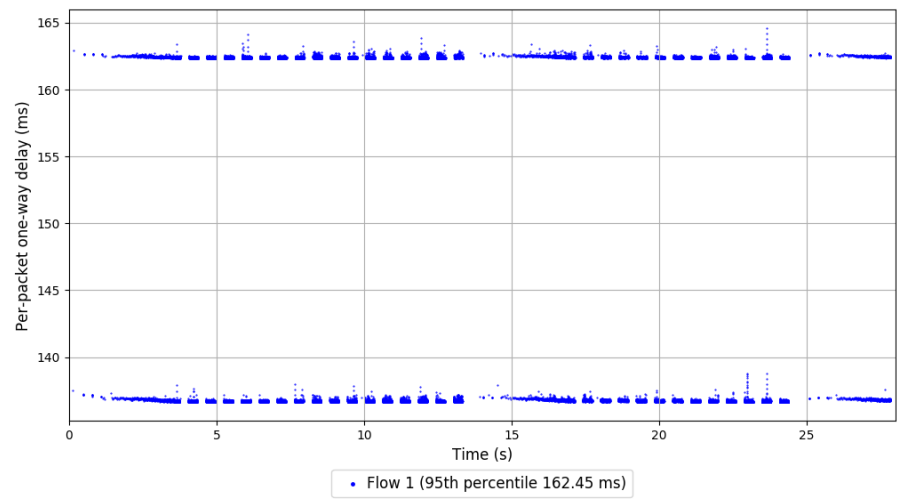
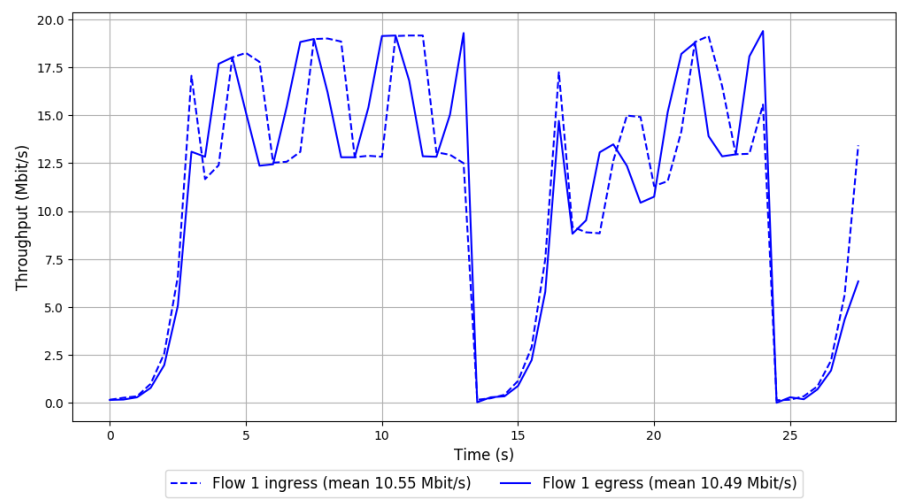
-- Flow 1:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 162.452 ms

Loss rate: 1.56%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-16 23:15:18

End at: 2018-01-16 23:15:48

Below is generated by plot.py at 2018-01-17 04:12:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.84 Mbit/s

95th percentile per-packet one-way delay: 136.198 ms

Loss rate: 0.49%

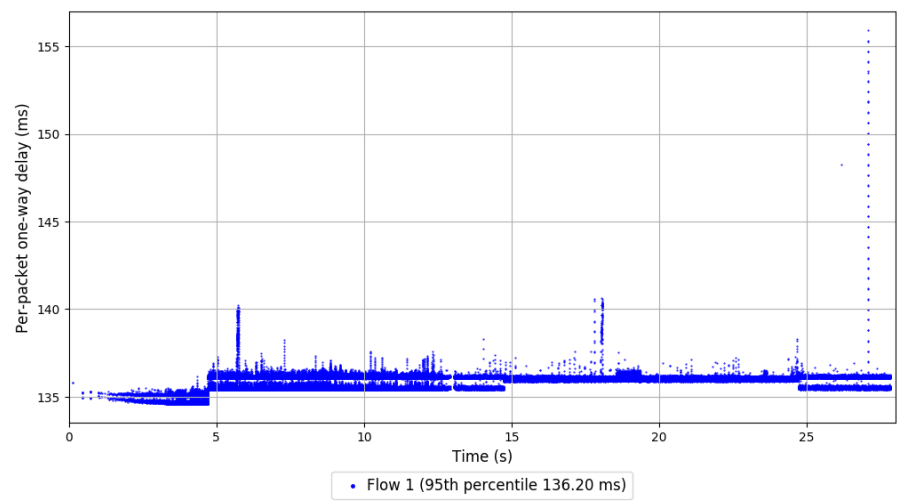
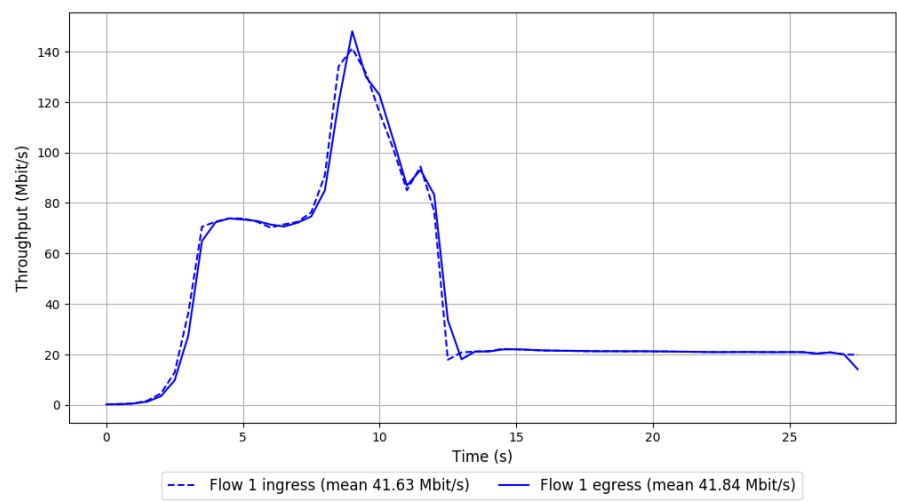
-- Flow 1:

Average throughput: 41.84 Mbit/s

95th percentile per-packet one-way delay: 136.198 ms

Loss rate: 0.49%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-16 23:31:10

End at: 2018-01-16 23:31:40

Below is generated by plot.py at 2018-01-17 04:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.68 Mbit/s

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

Loss rate: 0.37%

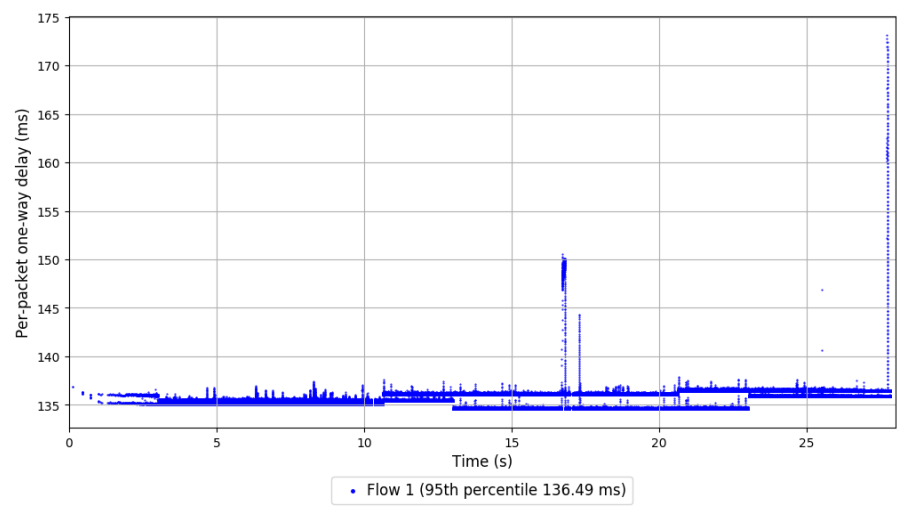
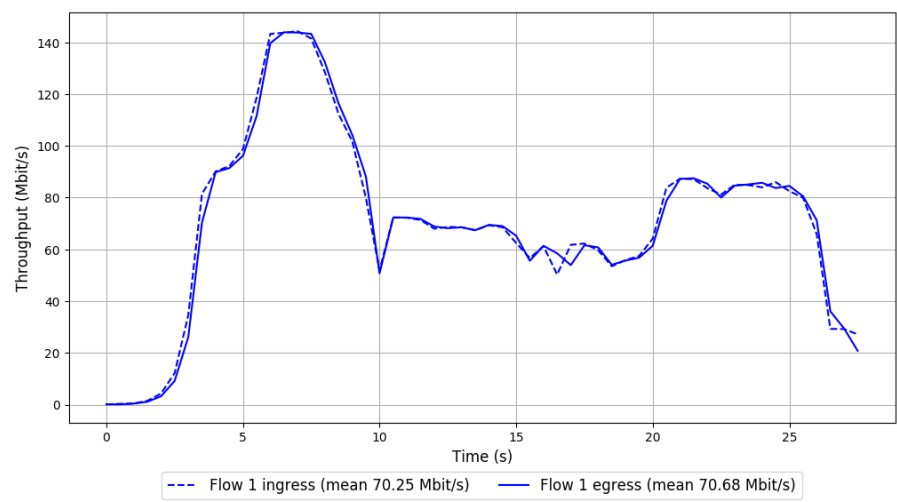
-- Flow 1:

Average throughput: 70.68 Mbit/s

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

Loss rate: 0.37%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-16 23:47:19

End at: 2018-01-16 23:47:49

Below is generated by plot.py at 2018-01-17 04:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.84 Mbit/s

95th percentile per-packet one-way delay: 136.219 ms

Loss rate: 1.61%

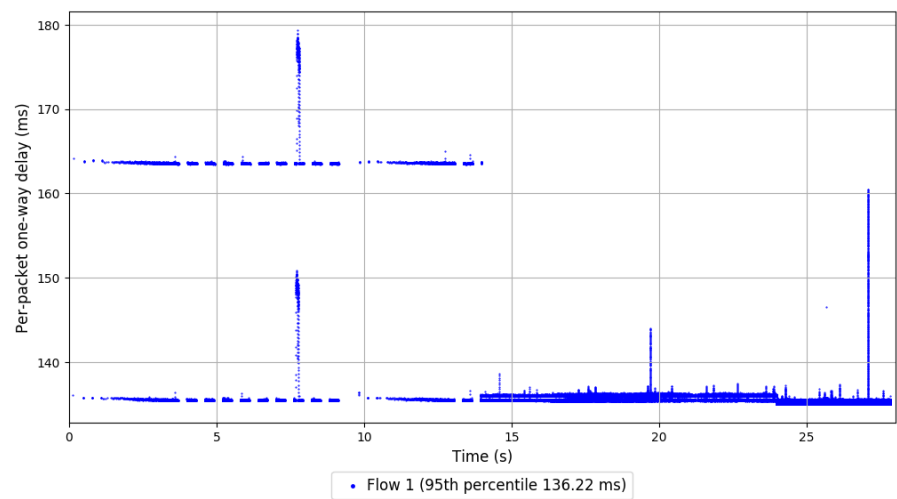
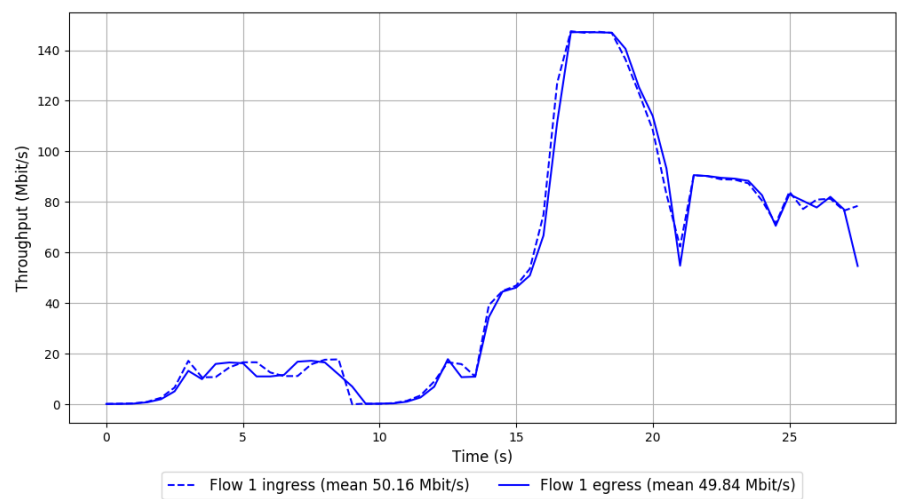
-- Flow 1:

Average throughput: 49.84 Mbit/s

95th percentile per-packet one-way delay: 136.219 ms

Loss rate: 1.61%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-17 00:02:49

End at: 2018-01-17 00:03:19

Below is generated by plot.py at 2018-01-17 04:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.66 Mbit/s

95th percentile per-packet one-way delay: 136.010 ms

Loss rate: 0.01%

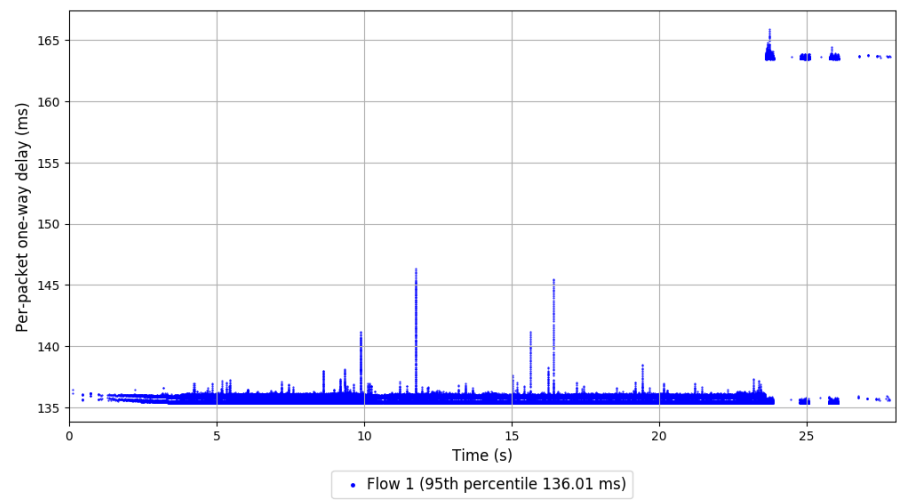
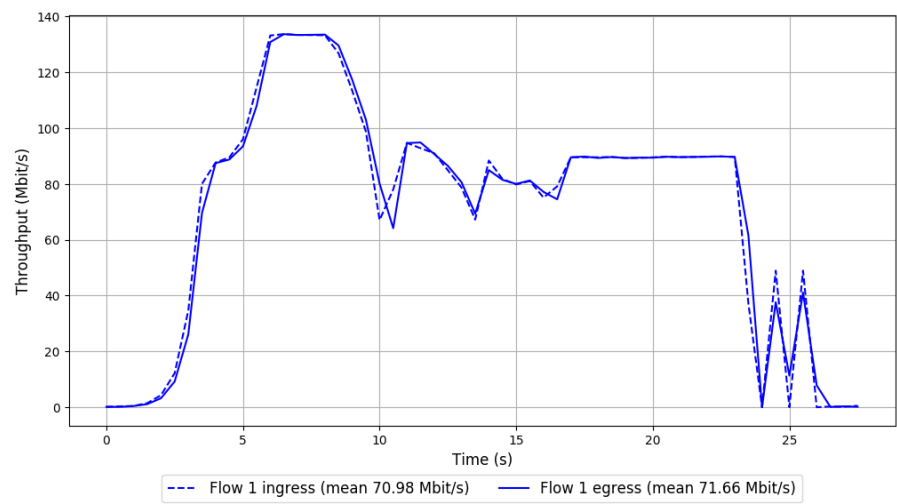
-- Flow 1:

Average throughput: 71.66 Mbit/s

95th percentile per-packet one-way delay: 136.010 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-17 00:19:00

End at: 2018-01-17 00:19:30

Below is generated by plot.py at 2018-01-17 04:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.42 Mbit/s

95th percentile per-packet one-way delay: 137.025 ms

Loss rate: 0.39%

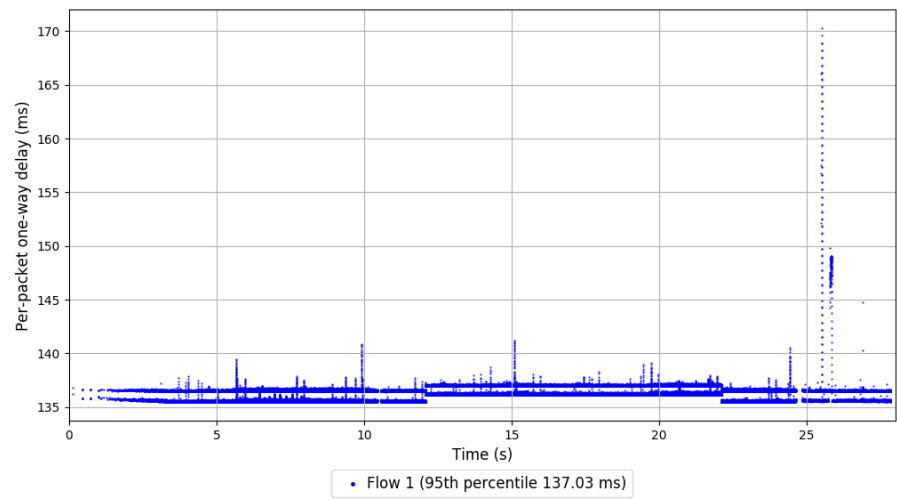
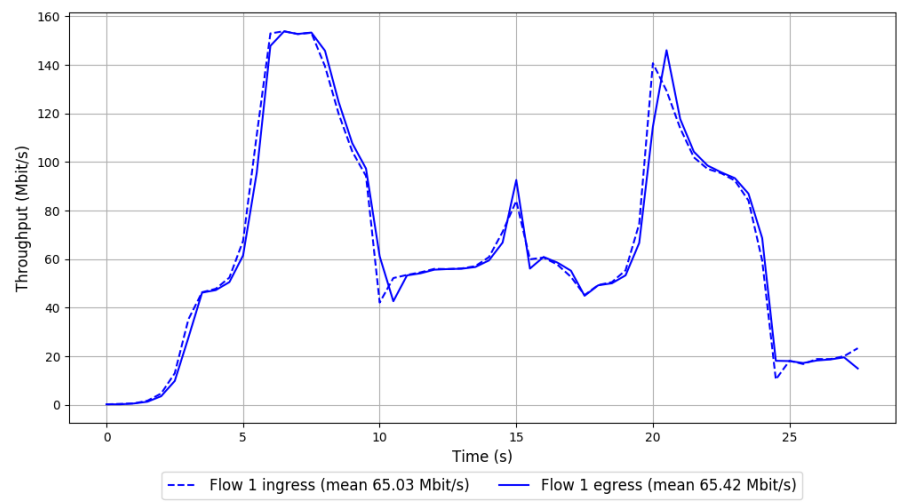
-- Flow 1:

Average throughput: 65.42 Mbit/s

95th percentile per-packet one-way delay: 137.025 ms

Loss rate: 0.39%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-17 00:34:46

End at: 2018-01-17 00:35:16

Below is generated by plot.py at 2018-01-17 04:13:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.75 Mbit/s

95th percentile per-packet one-way delay: 136.567 ms

Loss rate: 1.00%

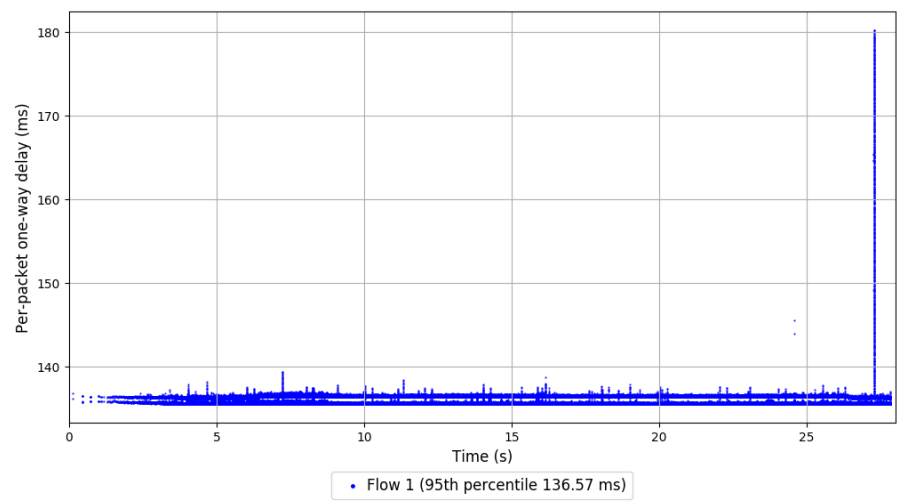
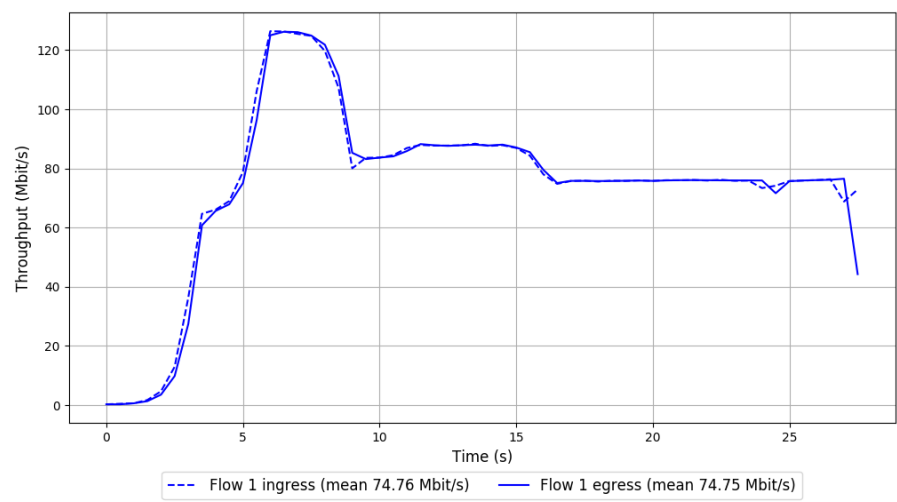
-- Flow 1:

Average throughput: 74.75 Mbit/s

95th percentile per-packet one-way delay: 136.567 ms

Loss rate: 1.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-17 00:50:45

End at: 2018-01-17 00:51:15

Below is generated by plot.py at 2018-01-17 04:13:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.13 Mbit/s

95th percentile per-packet one-way delay: 137.201 ms

Loss rate: 0.26%

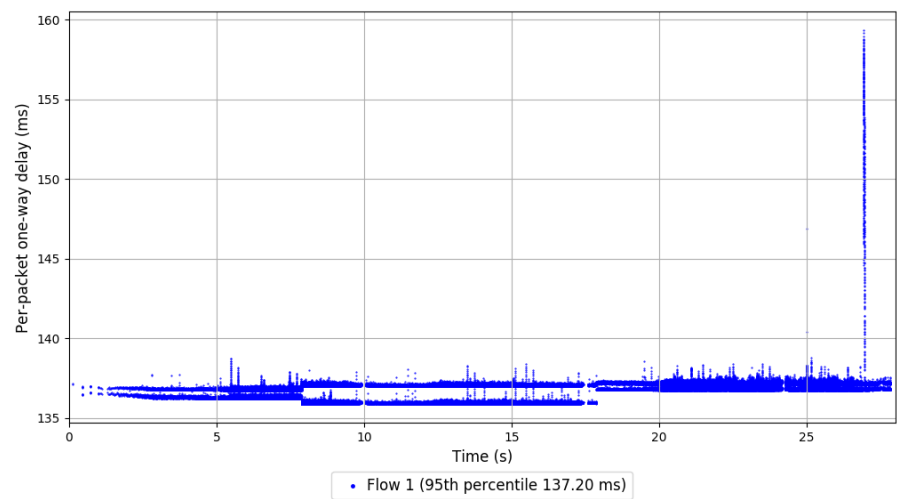
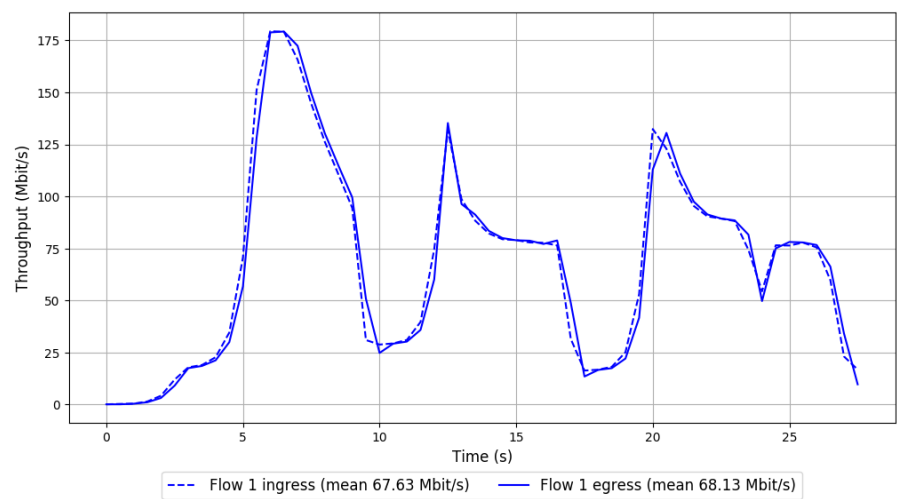
-- Flow 1:

Average throughput: 68.13 Mbit/s

95th percentile per-packet one-way delay: 137.201 ms

Loss rate: 0.26%

Run 10: Report of Copa — Data Link

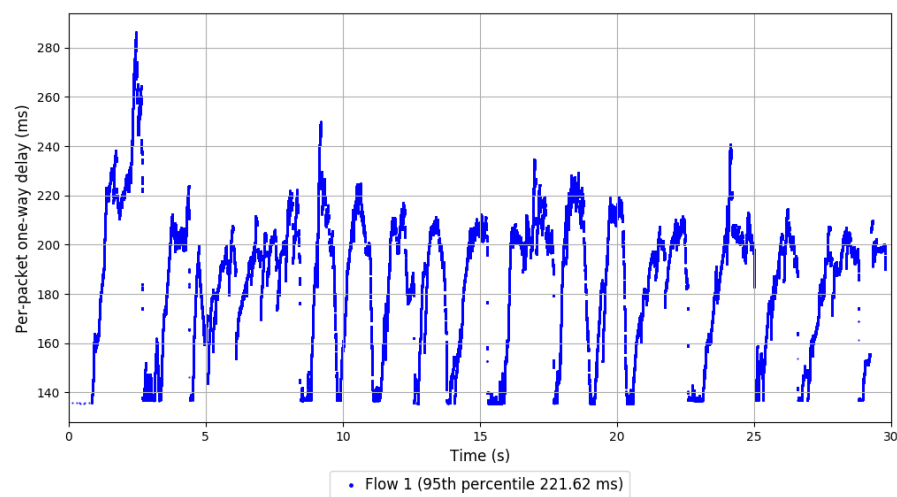
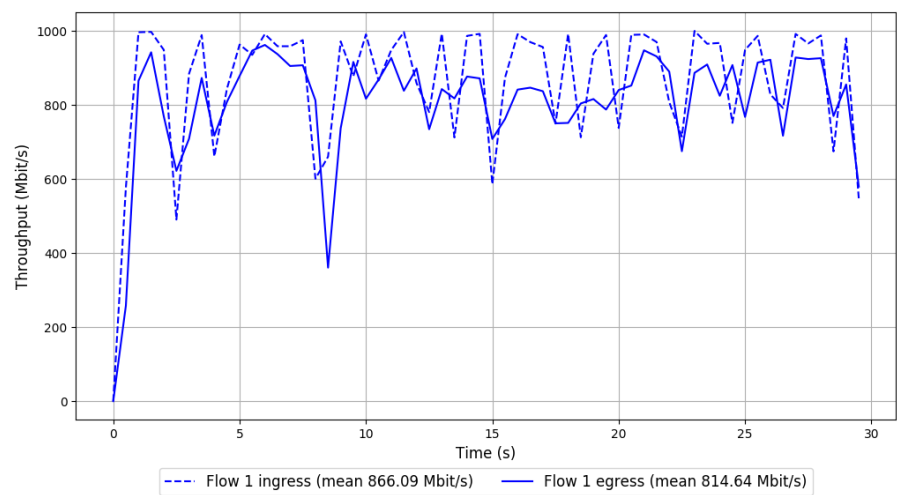


```
Run 1: Statistics of FillP

Start at: 2018-01-16 22:22:02
End at: 2018-01-16 22:22:32

# Below is generated by plot.py at 2018-01-17 04:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 814.64 Mbit/s
95th percentile per-packet one-way delay: 221.621 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 814.64 Mbit/s
95th percentile per-packet one-way delay: 221.621 ms
Loss rate: 6.69%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-16 22:38:21

End at: 2018-01-16 22:38:51

Below is generated by plot.py at 2018-01-17 04:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 810.82 Mbit/s

95th percentile per-packet one-way delay: 212.473 ms

Loss rate: 6.47%

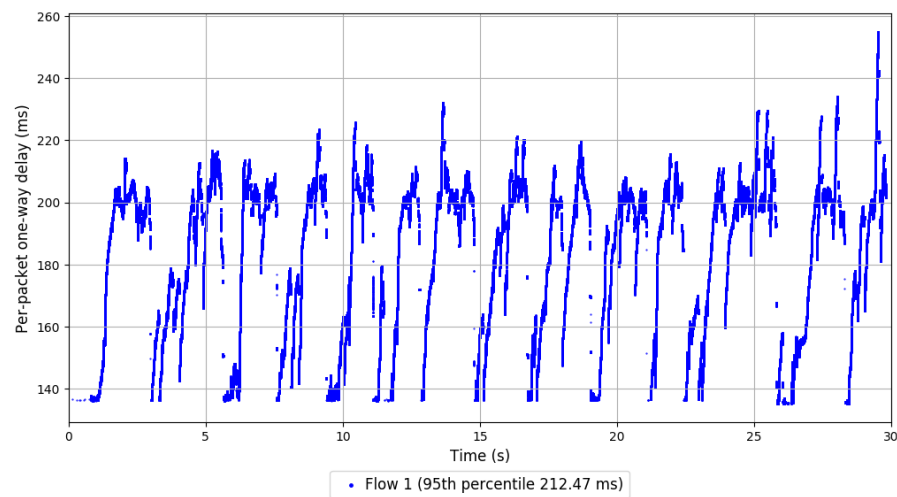
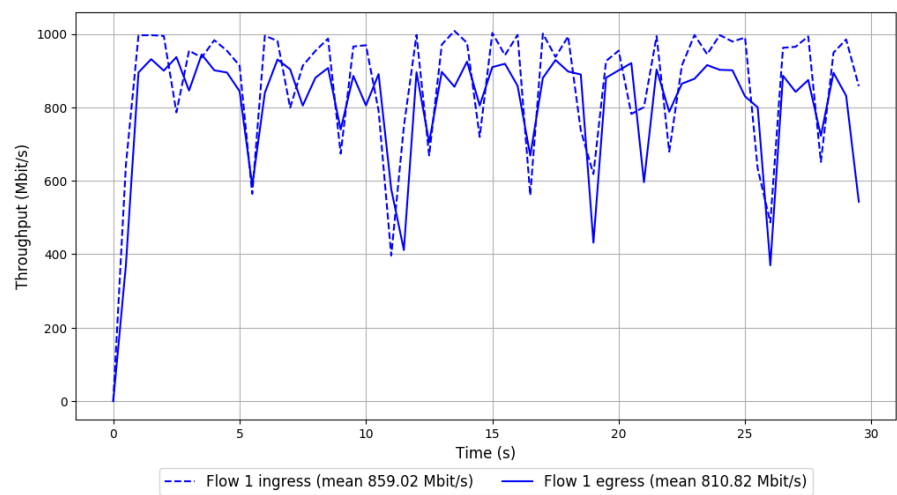
-- Flow 1:

Average throughput: 810.82 Mbit/s

95th percentile per-packet one-way delay: 212.473 ms

Loss rate: 6.47%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-16 22:54:18

End at: 2018-01-16 22:54:48

Below is generated by plot.py at 2018-01-17 04:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 808.69 Mbit/s

95th percentile per-packet one-way delay: 339.052 ms

Loss rate: 7.63%

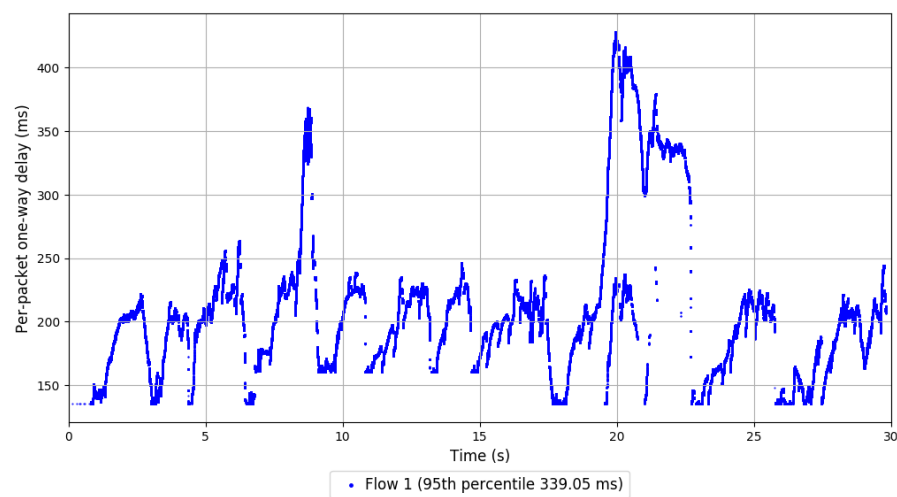
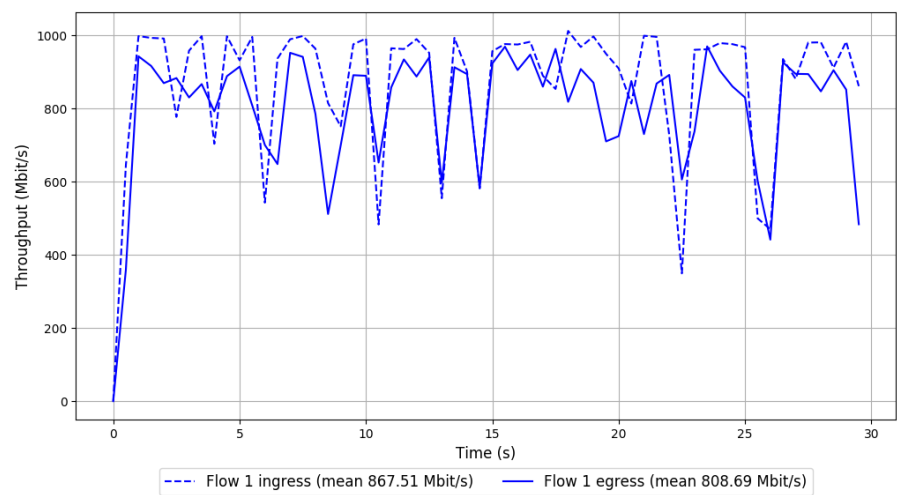
-- Flow 1:

Average throughput: 808.69 Mbit/s

95th percentile per-packet one-way delay: 339.052 ms

Loss rate: 7.63%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-16 23:09:40

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

Below is generated by plot.py at 2018-01-17 04:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.65 Mbit/s

95th percentile per-packet one-way delay: 263.038 ms

Loss rate: 9.22%

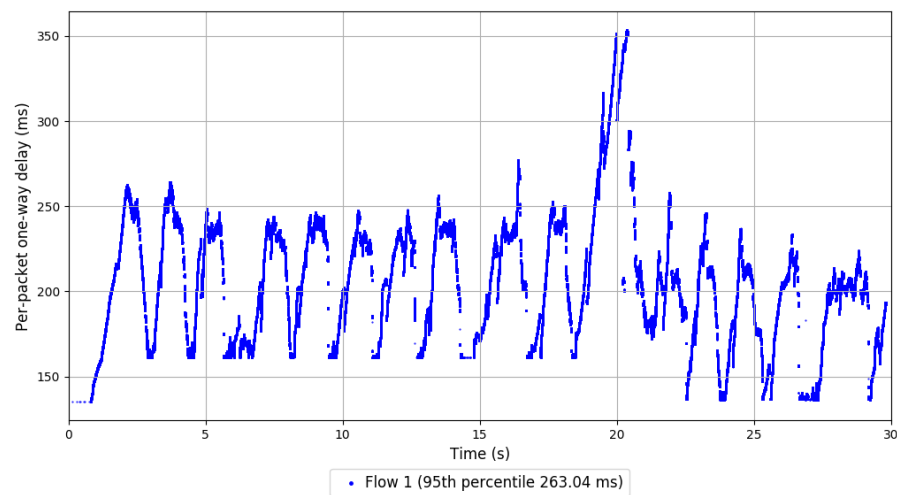
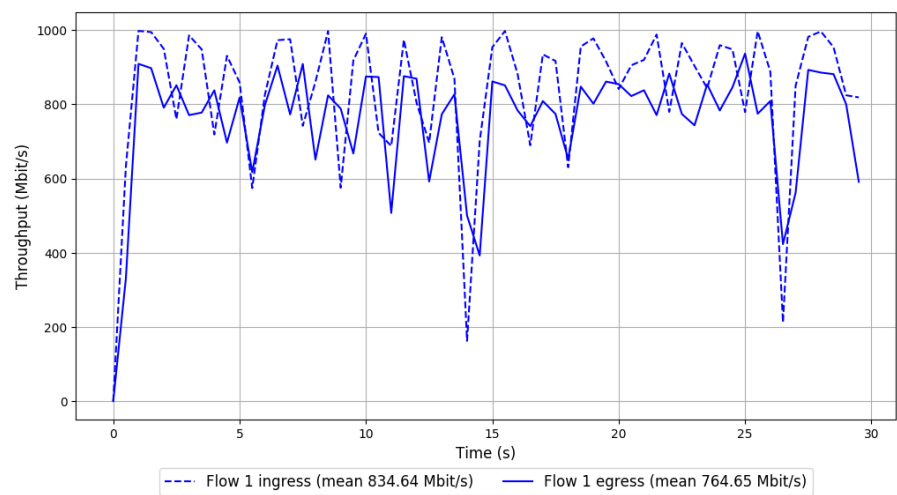
-- Flow 1:

Average throughput: 764.65 Mbit/s

95th percentile per-packet one-way delay: 263.038 ms

Loss rate: 9.22%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-16 23:25:35

End at: 2018-01-16 23:26:05

Below is generated by plot.py at 2018-01-17 04:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 877.08 Mbit/s

95th percentile per-packet one-way delay: 206.424 ms

Loss rate: 2.62%

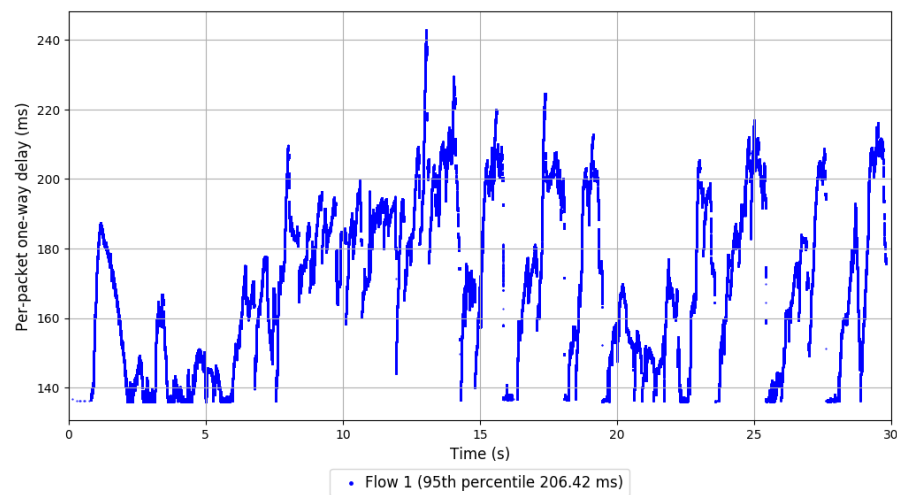
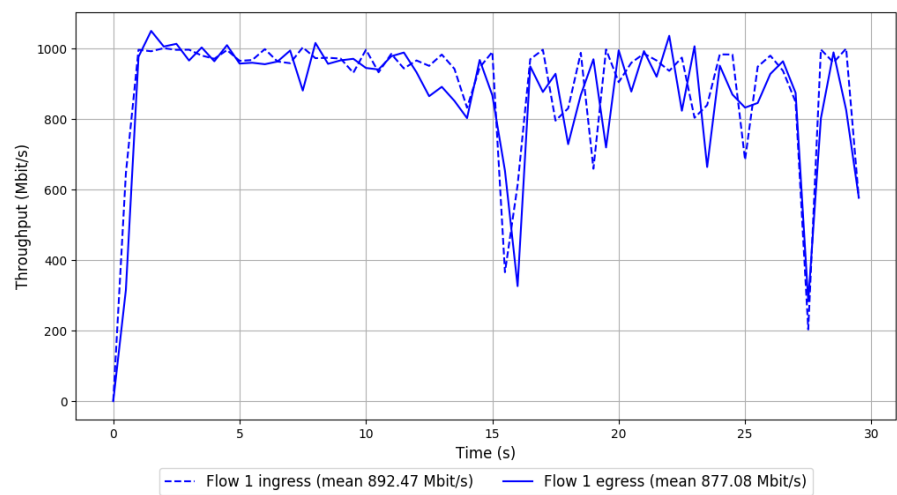
-- Flow 1:

Average throughput: 877.08 Mbit/s

95th percentile per-packet one-way delay: 206.424 ms

Loss rate: 2.62%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-16 23:41:31

End at: 2018-01-16 23:42:01

Below is generated by plot.py at 2018-01-17 04:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 847.86 Mbit/s

95th percentile per-packet one-way delay: 214.474 ms

Loss rate: 5.65%

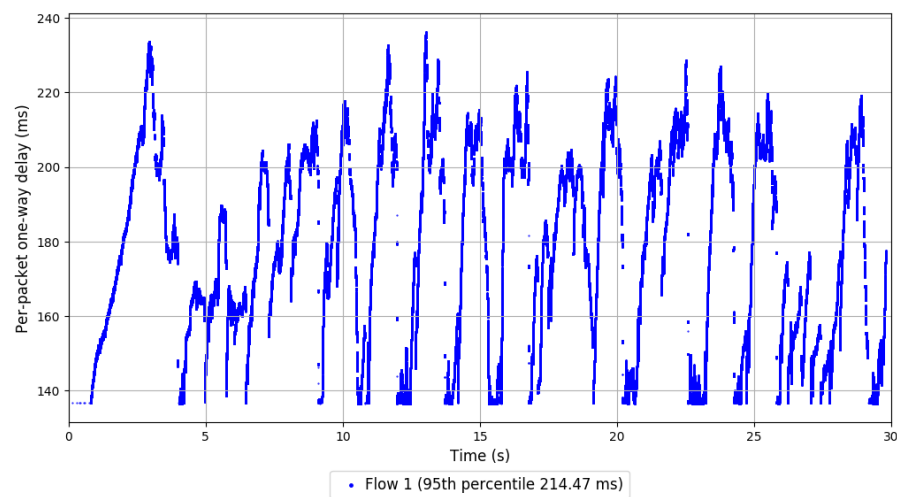
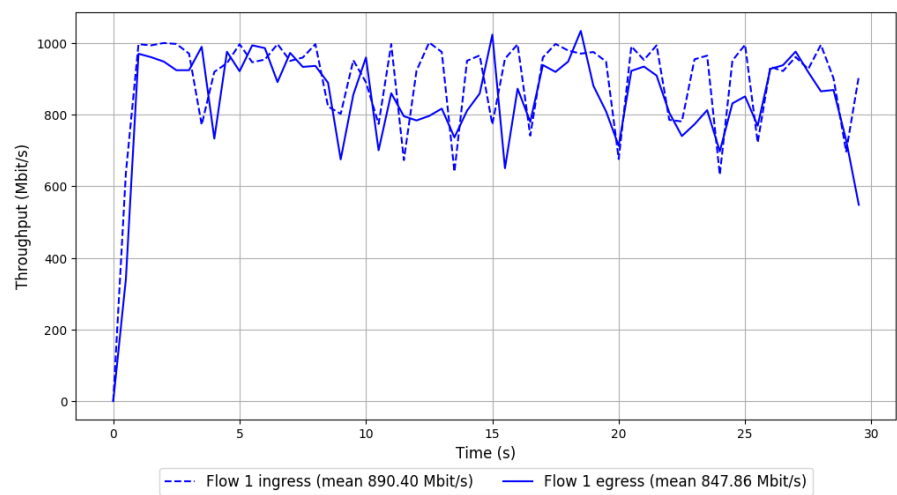
-- Flow 1:

Average throughput: 847.86 Mbit/s

95th percentile per-packet one-way delay: 214.474 ms

Loss rate: 5.65%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-16 23:57:16

End at: 2018-01-16 23:57:46

Below is generated by plot.py at 2018-01-17 04:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 795.98 Mbit/s

95th percentile per-packet one-way delay: 261.340 ms

Loss rate: 7.30%

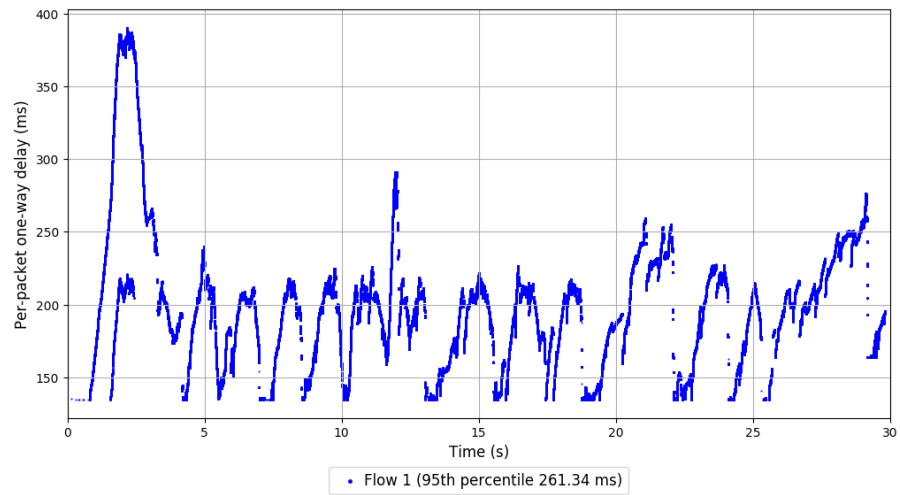
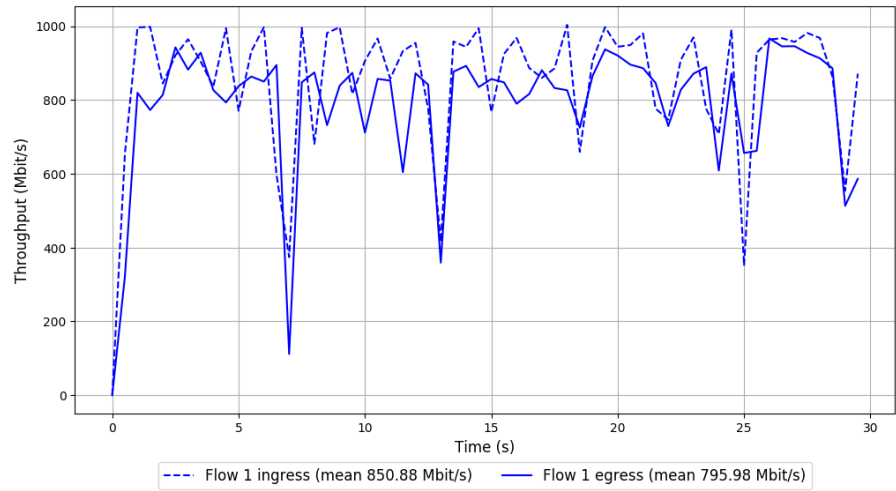
-- Flow 1:

Average throughput: 795.98 Mbit/s

95th percentile per-packet one-way delay: 261.340 ms

Loss rate: 7.30%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-17 00:13:15

End at: 2018-01-17 00:13:45

Below is generated by plot.py at 2018-01-17 04:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 889.26 Mbit/s

95th percentile per-packet one-way delay: 223.247 ms

Loss rate: 4.25%

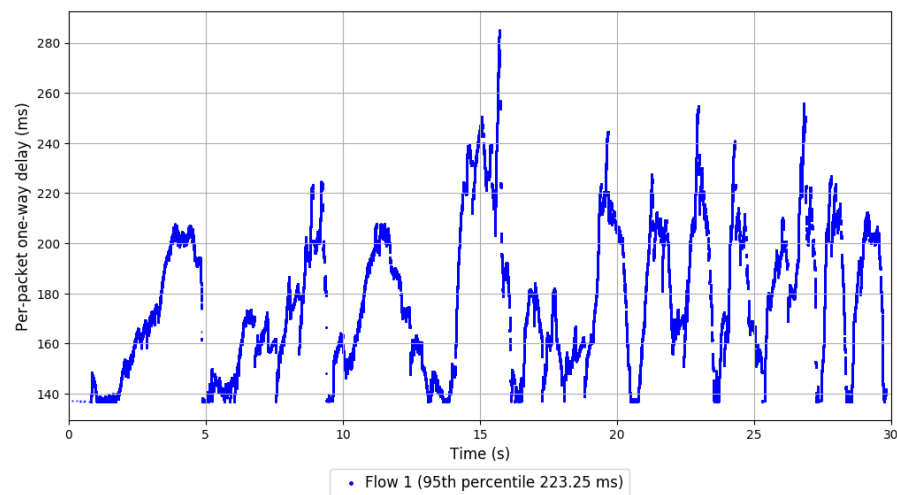
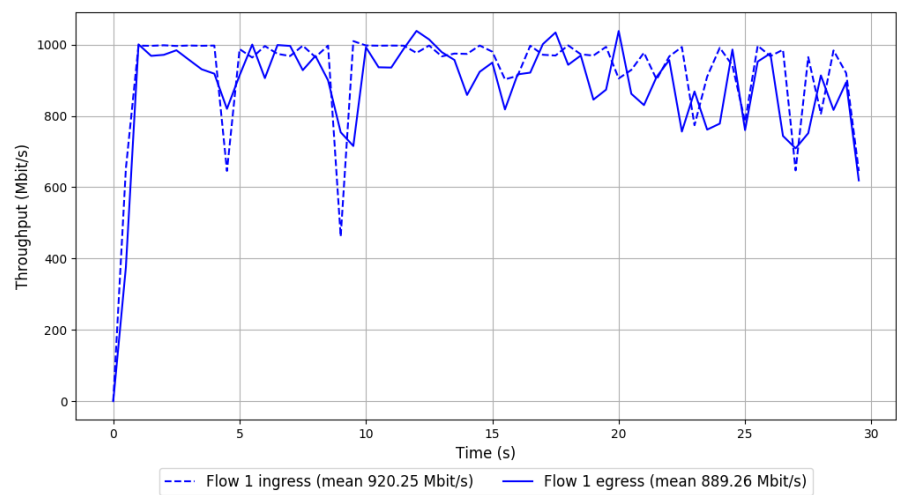
-- Flow 1:

Average throughput: 889.26 Mbit/s

95th percentile per-packet one-way delay: 223.247 ms

Loss rate: 4.25%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-17 00:28:58

End at: 2018-01-17 00:29:28

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 893.52 Mbit/s

95th percentile per-packet one-way delay: 209.759 ms

Loss rate: 3.11%

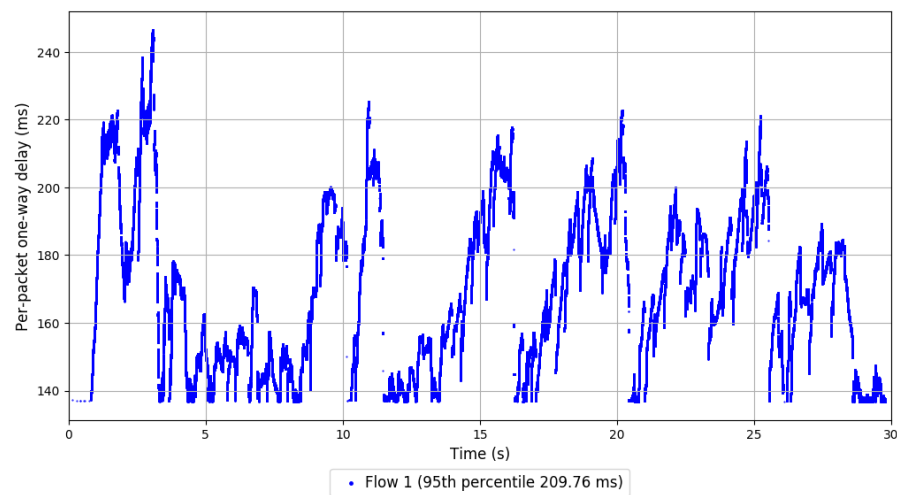
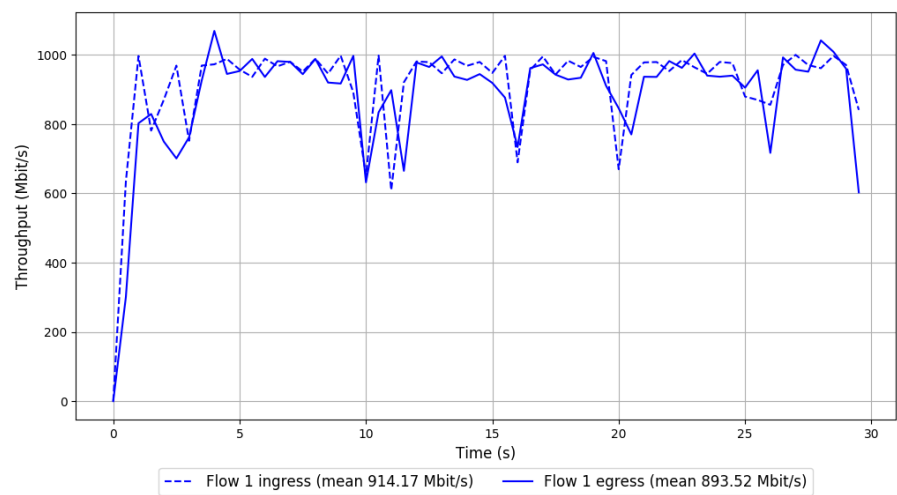
-- Flow 1:

Average throughput: 893.52 Mbit/s

95th percentile per-packet one-way delay: 209.759 ms

Loss rate: 3.11%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-01-17 00:44:56

End at: 2018-01-17 00:45:26

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 771.77 Mbit/s

95th percentile per-packet one-way delay: 221.157 ms

Loss rate: 9.51%

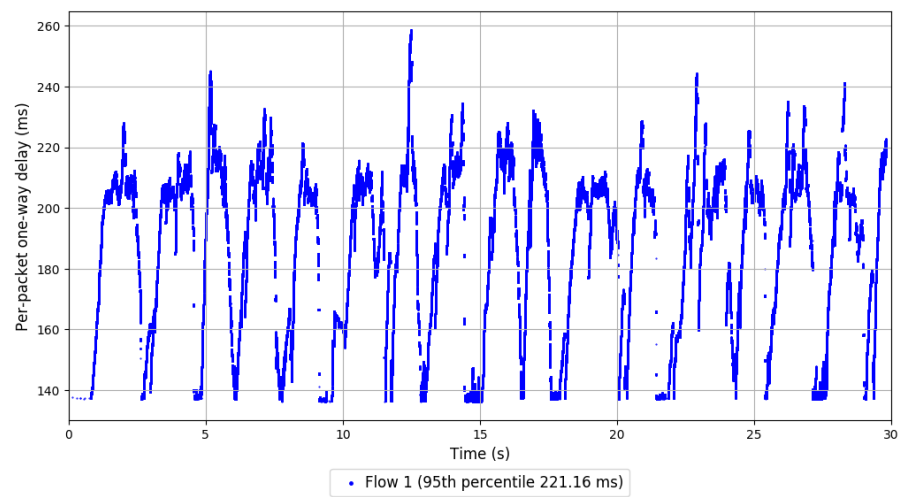
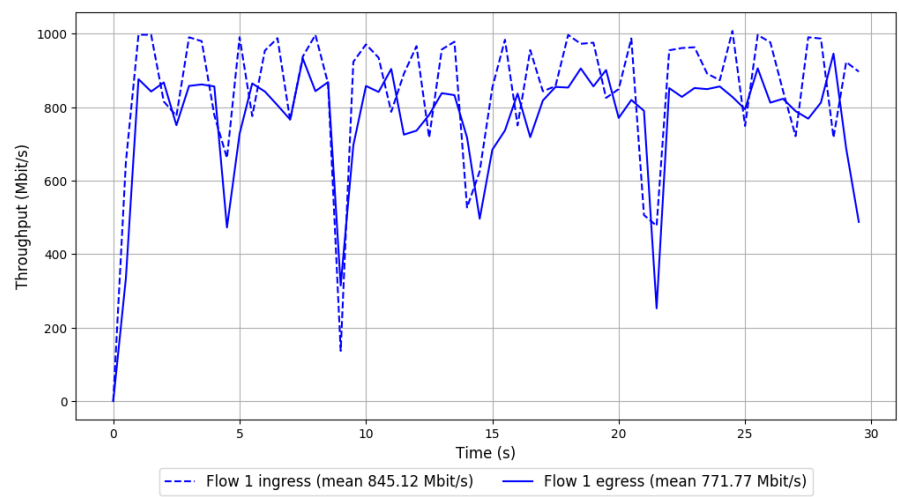
-- Flow 1:

Average throughput: 771.77 Mbit/s

95th percentile per-packet one-way delay: 221.157 ms

Loss rate: 9.51%

Run 10: Report of FillP — Data Link

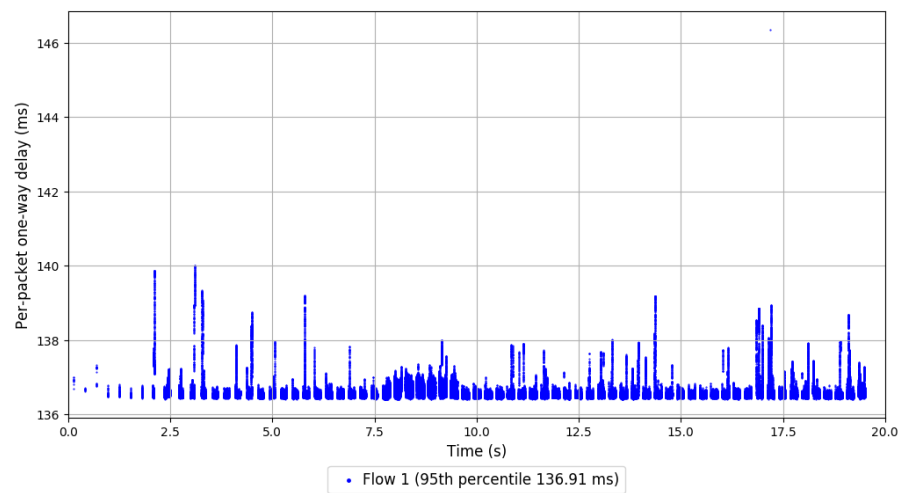
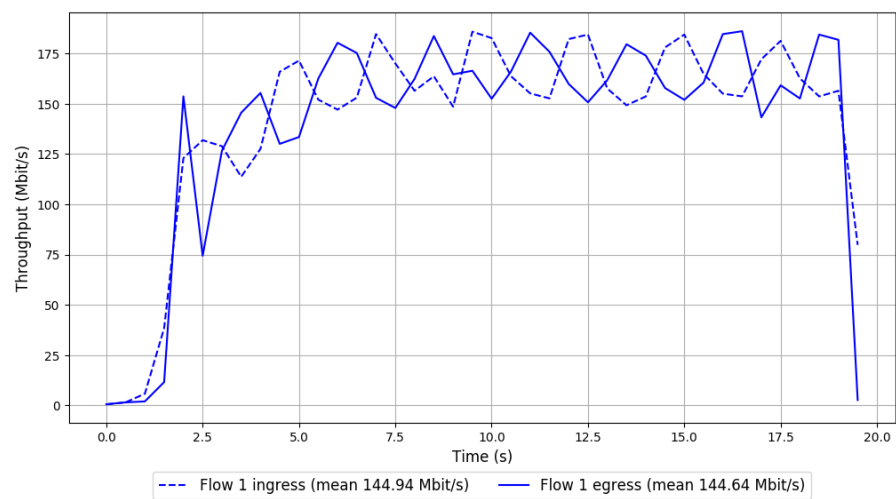


Run 1: Statistics of Indigo

Start at: 2018-01-16 22:35:39

End at: 2018-01-16 22:36:09

Run 1: Report of Indigo — Data Link

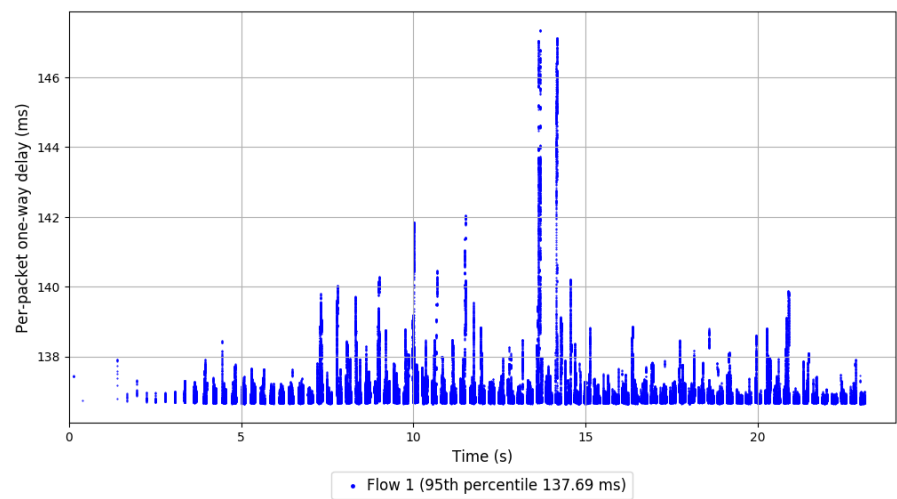
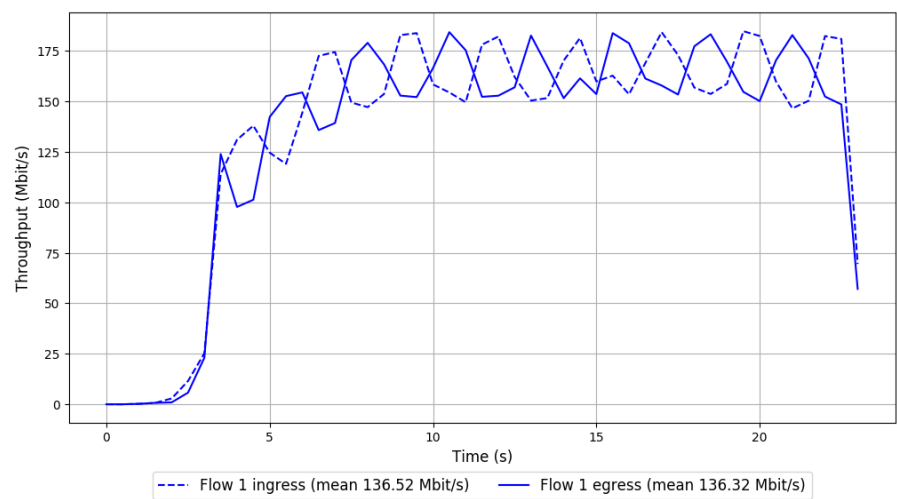


Run 2: Statistics of Indigo

Start at: 2018-01-16 22:51:45

End at: 2018-01-16 22:52:15

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-16 23:07:08

End at: 2018-01-16 23:07:38

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.31 Mbit/s

95th percentile per-packet one-way delay: 136.990 ms

Loss rate: 0.96%

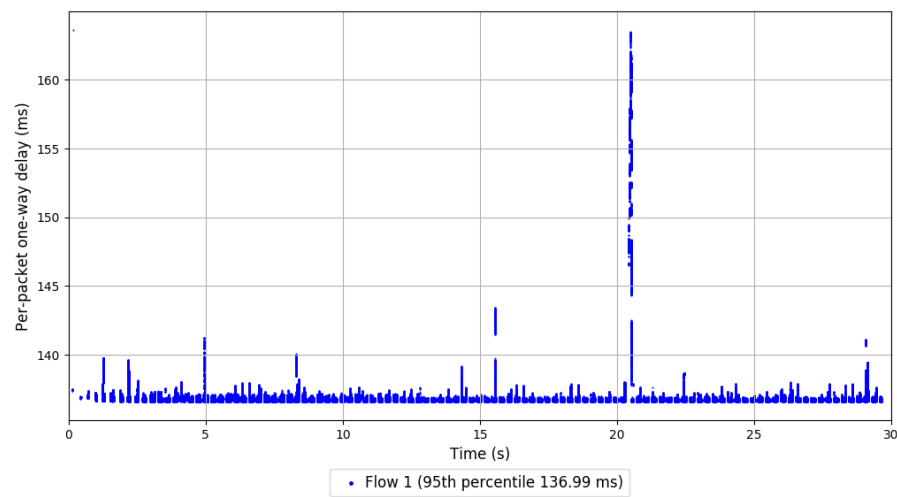
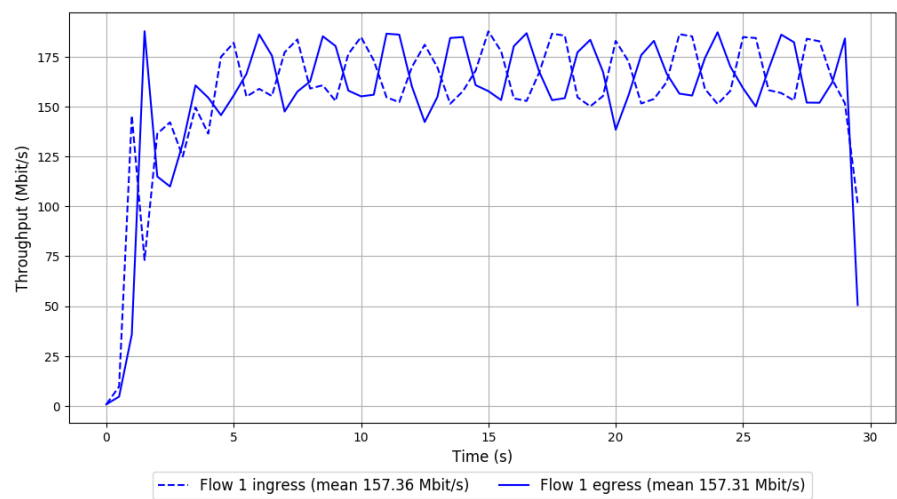
-- Flow 1:

Average throughput: 157.31 Mbit/s

95th percentile per-packet one-way delay: 136.990 ms

Loss rate: 0.96%

Run 3: Report of Indigo — Data Link

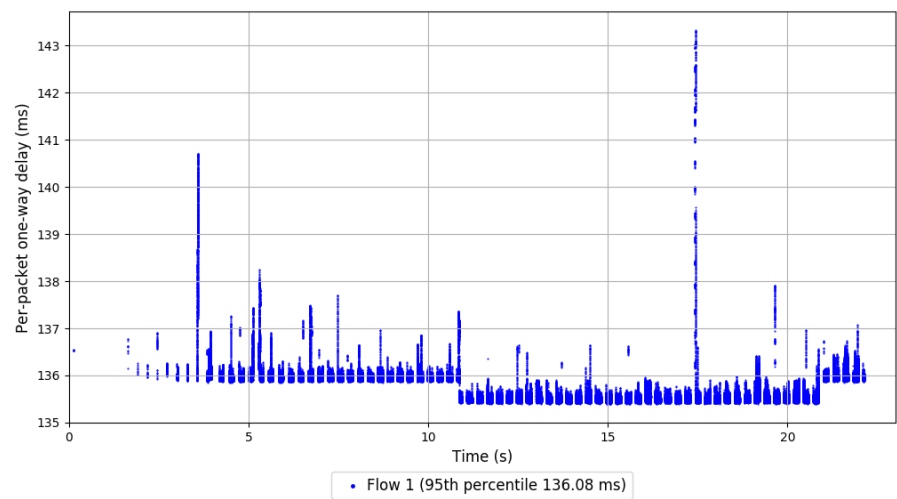
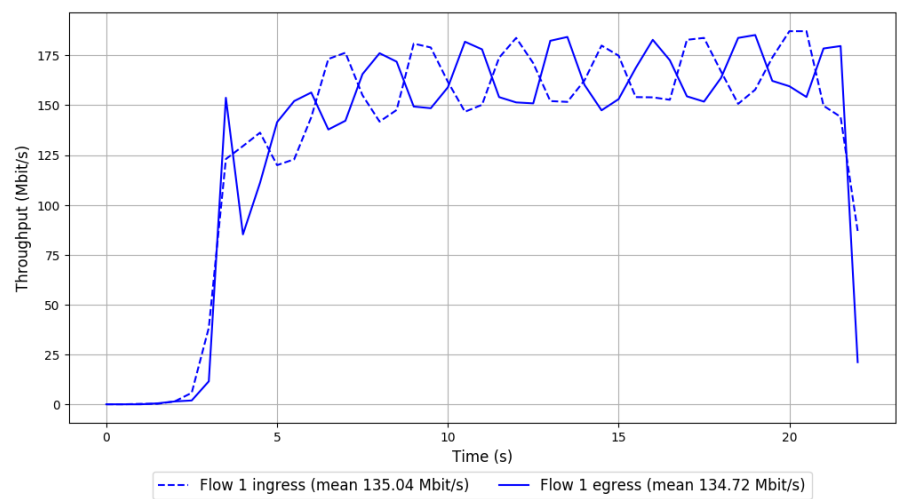


Run 4: Statistics of Indigo

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

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

Run 4: Report of Indigo — Data Link

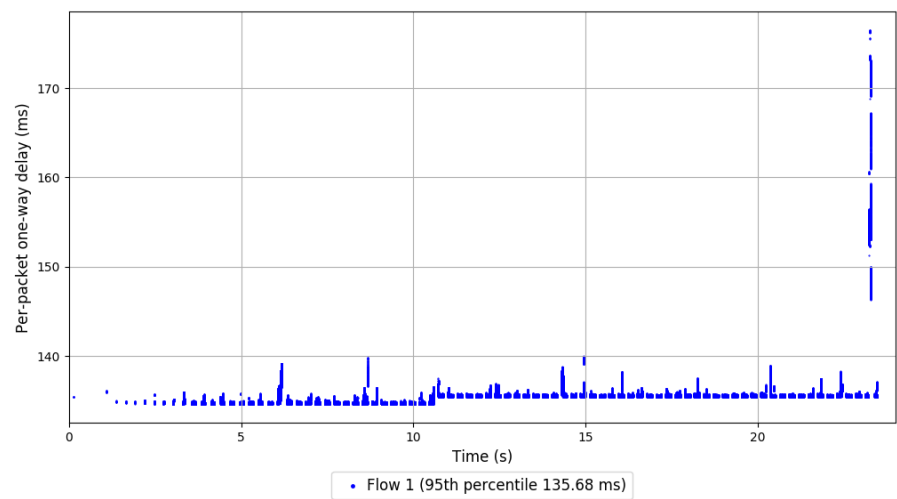
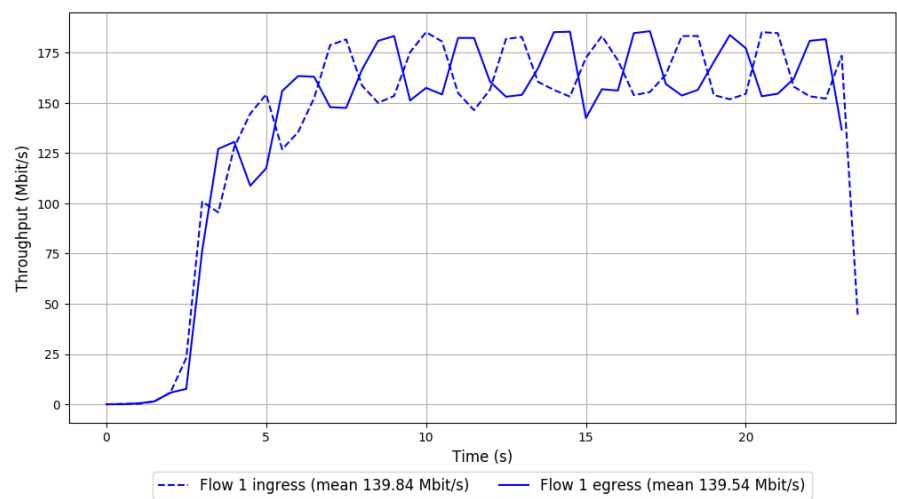


Run 5: Statistics of Indigo

Start at: 2018-01-16 23:38:58

End at: 2018-01-16 23:39:28

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-01-16 23:54:35

End at: 2018-01-16 23:55:05

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.23 Mbit/s

95th percentile per-packet one-way delay: 135.849 ms

Loss rate: 1.13%

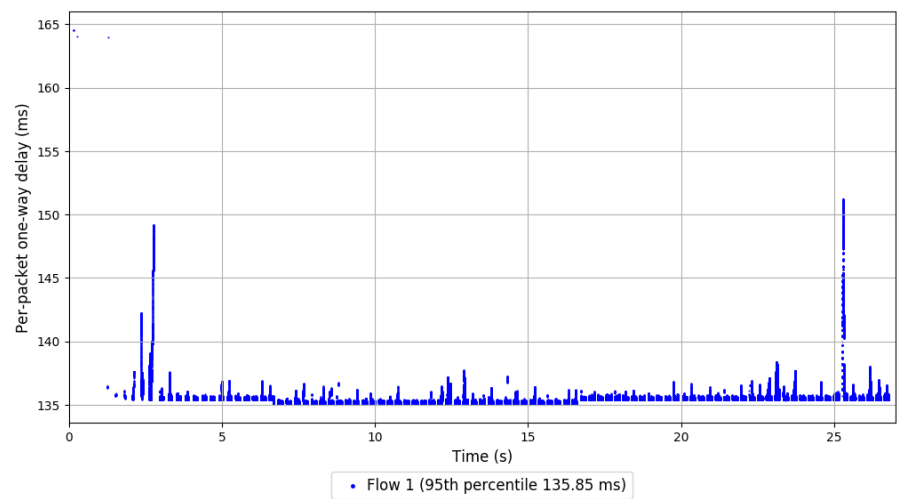
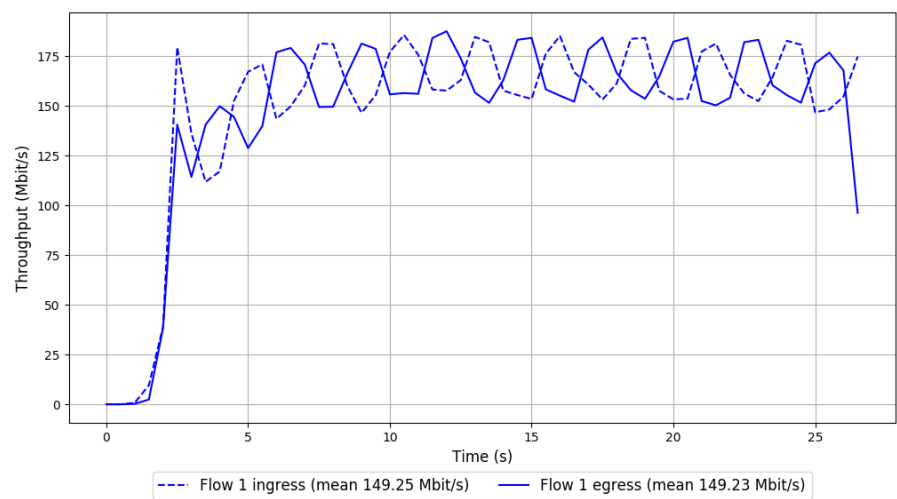
-- Flow 1:

Average throughput: 149.23 Mbit/s

95th percentile per-packet one-way delay: 135.849 ms

Loss rate: 1.13%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-17 00:10:49

End at: 2018-01-17 00:11:19

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.69 Mbit/s

95th percentile per-packet one-way delay: 136.068 ms

Loss rate: 1.30%

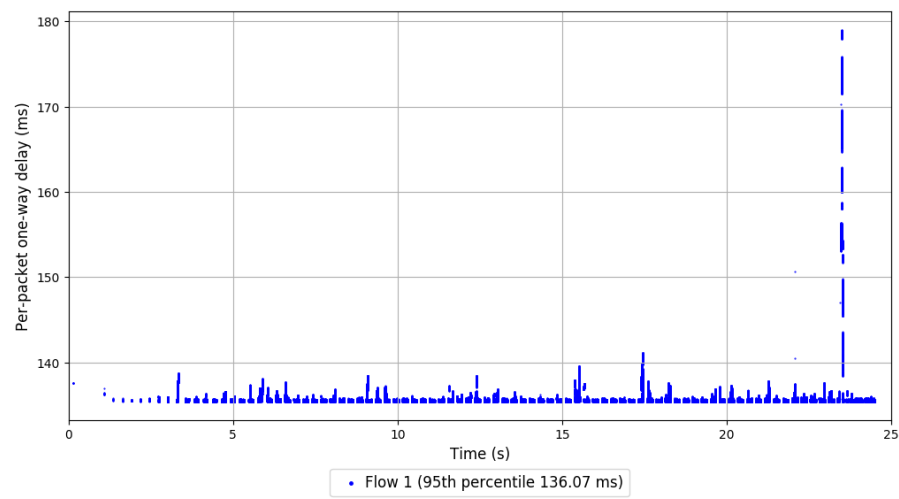
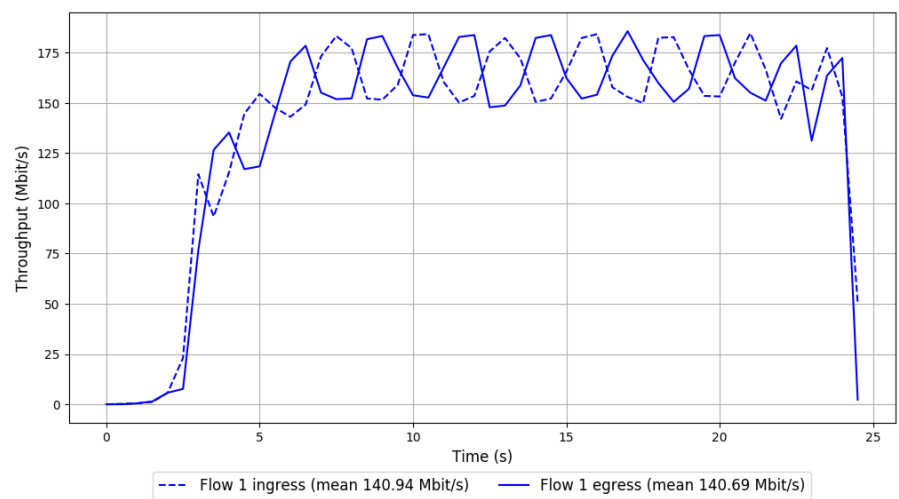
-- Flow 1:

Average throughput: 140.69 Mbit/s

95th percentile per-packet one-way delay: 136.068 ms

Loss rate: 1.30%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-01-17 00:26:22

End at: 2018-01-17 00:26:52

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.33 Mbit/s

95th percentile per-packet one-way delay: 135.970 ms

Loss rate: 1.00%

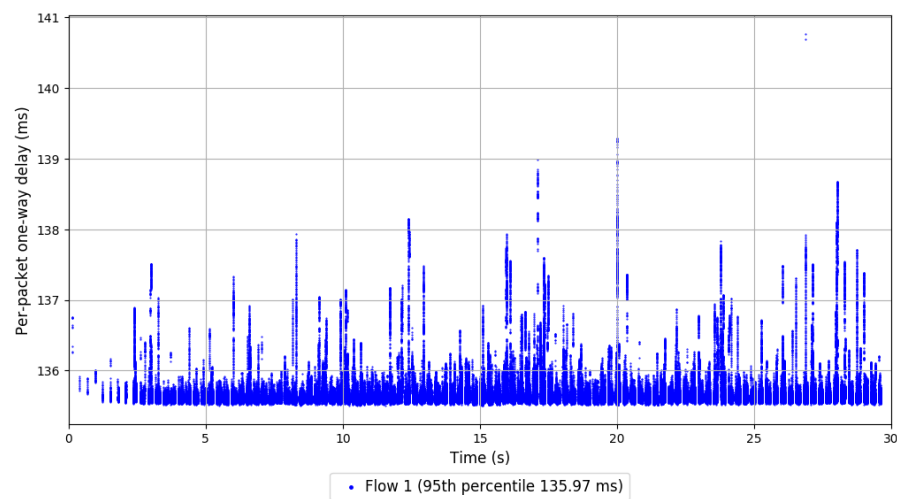
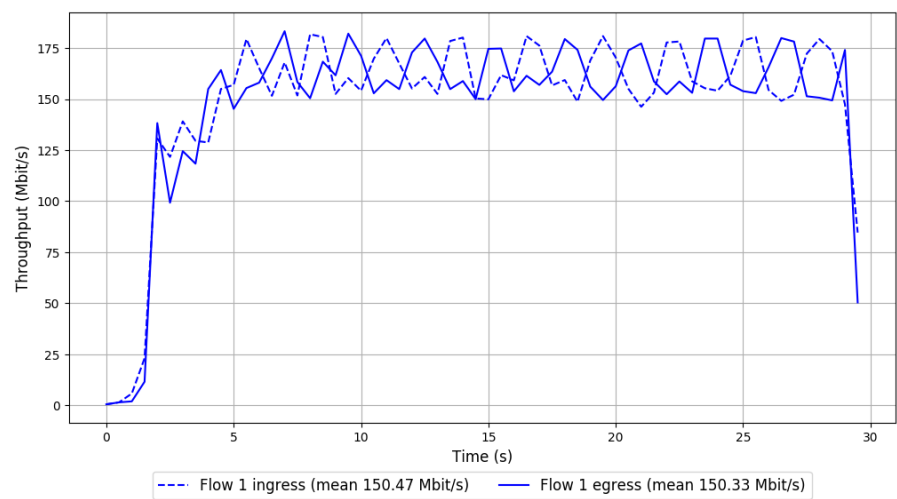
-- Flow 1:

Average throughput: 150.33 Mbit/s

95th percentile per-packet one-way delay: 135.970 ms

Loss rate: 1.00%

Run 8: Report of Indigo — Data Link

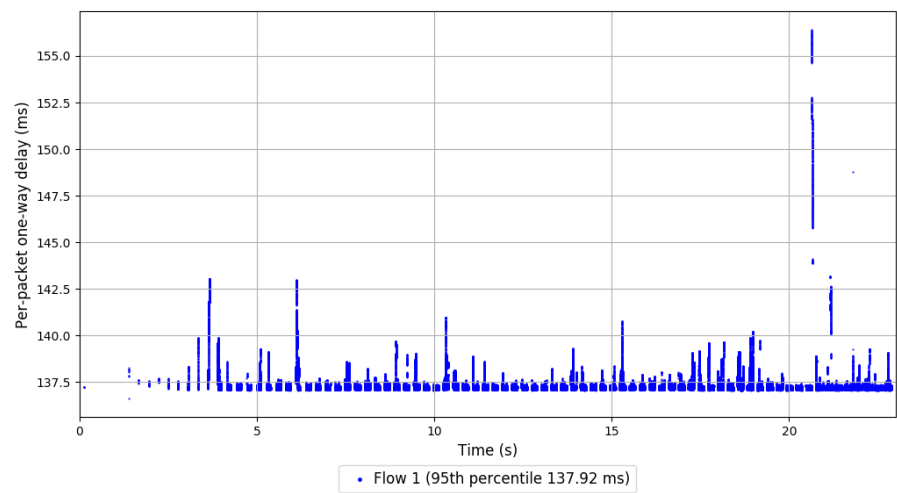
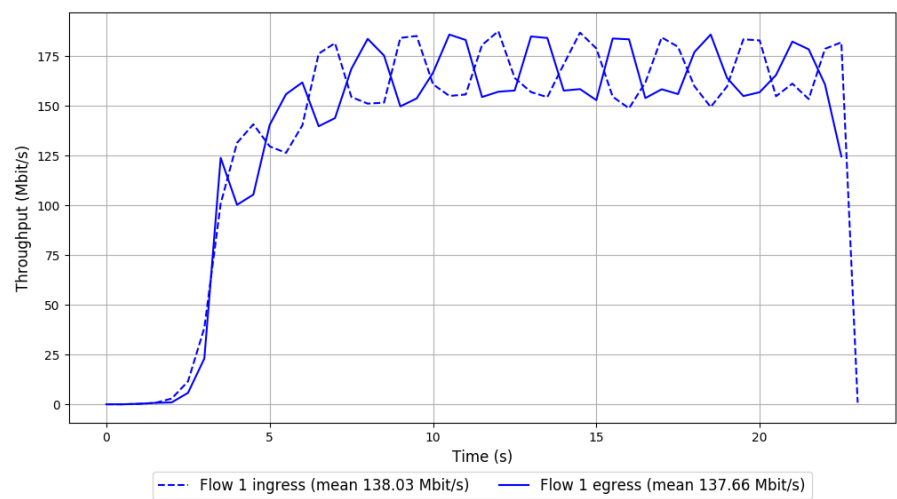


Run 9: Statistics of Indigo

Start at: 2018-01-17 00:42:20

End at: 2018-01-17 00:42:50

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-17 00:58:23

End at: 2018-01-17 00:58:53

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.60 Mbit/s

95th percentile per-packet one-way delay: 138.382 ms

Loss rate: 1.01%

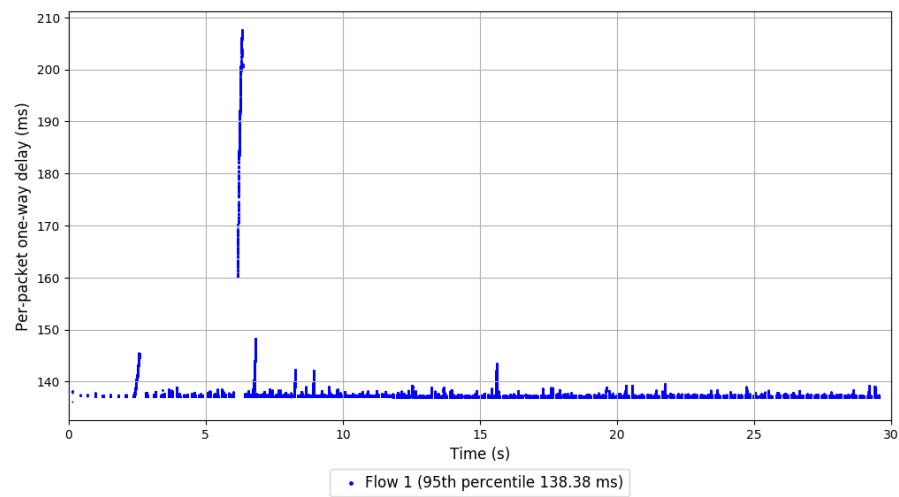
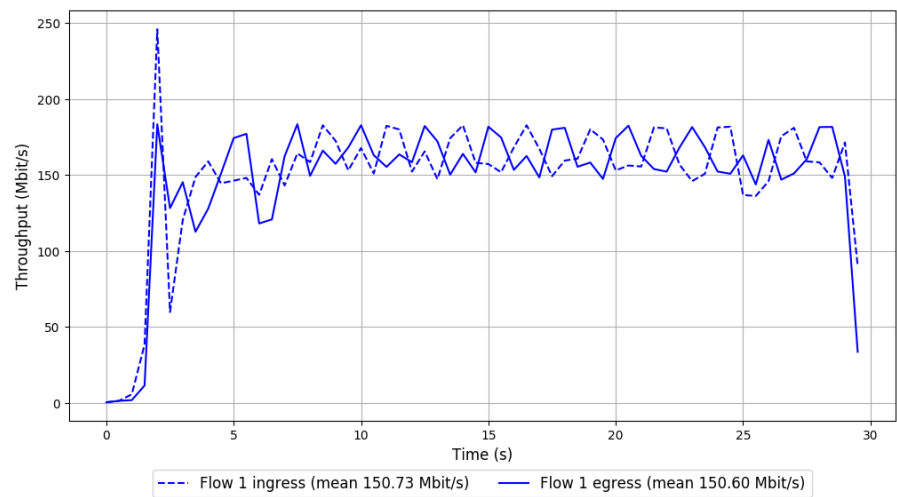
-- Flow 1:

Average throughput: 150.60 Mbit/s

95th percentile per-packet one-way delay: 138.382 ms

Loss rate: 1.01%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of Vivace-latency

Start at: 2018-01-16 22:34:33

End at: 2018-01-16 22:35:03

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.57 Mbit/s

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

Loss rate: 1.18%

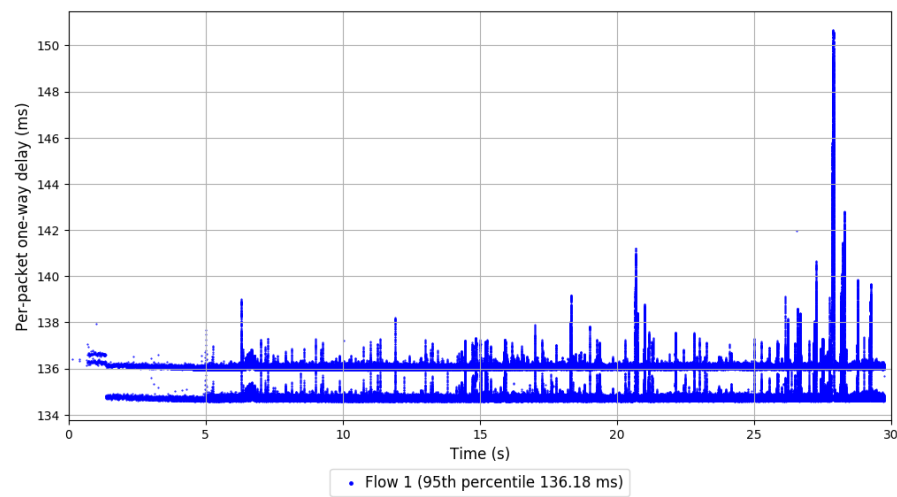
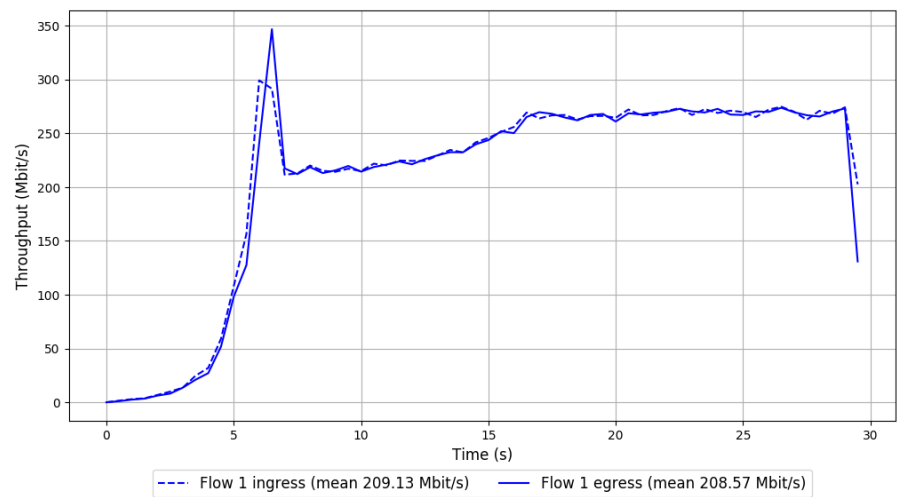
-- Flow 1:

Average throughput: 208.57 Mbit/s

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

Loss rate: 1.18%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 22:50:37

End at: 2018-01-16 22:51:07

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.56 Mbit/s

95th percentile per-packet one-way delay: 149.962 ms

Loss rate: 0.35%

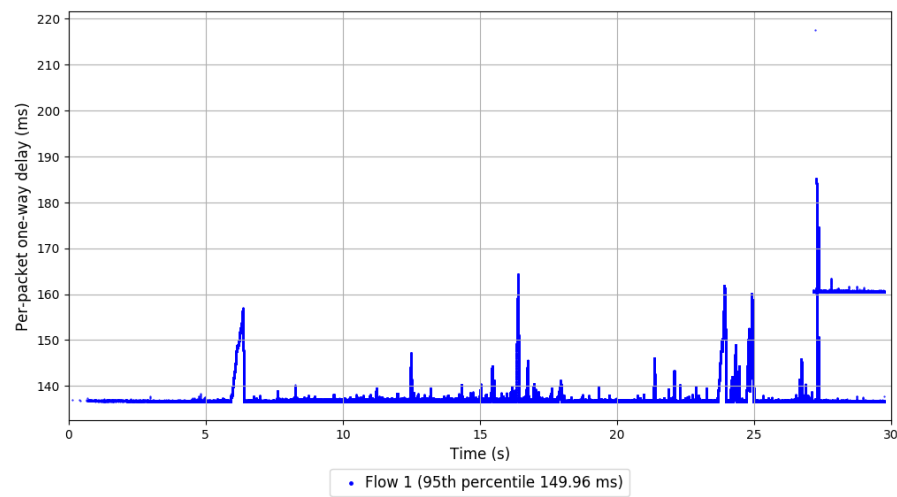
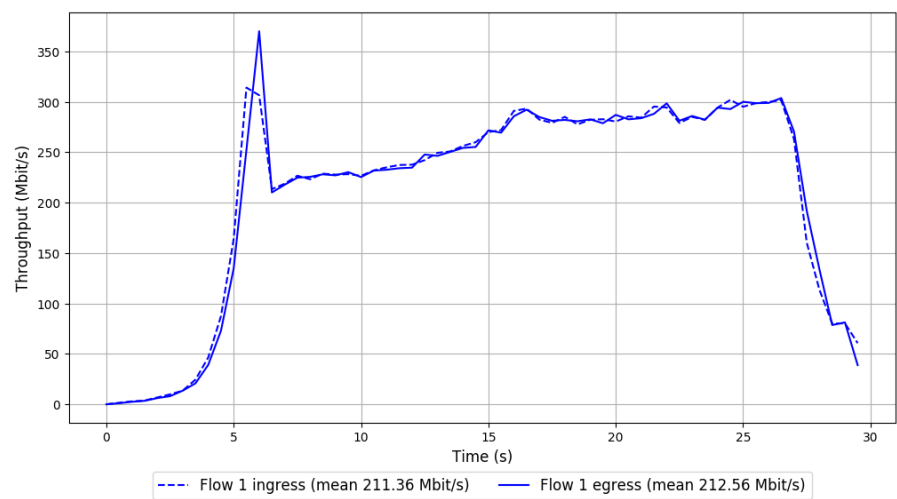
-- Flow 1:

Average throughput: 212.56 Mbit/s

95th percentile per-packet one-way delay: 149.962 ms

Loss rate: 0.35%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

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

End at: 2018-01-16 23:06:53

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.51 Mbit/s

95th percentile per-packet one-way delay: 163.503 ms

Loss rate: 1.01%

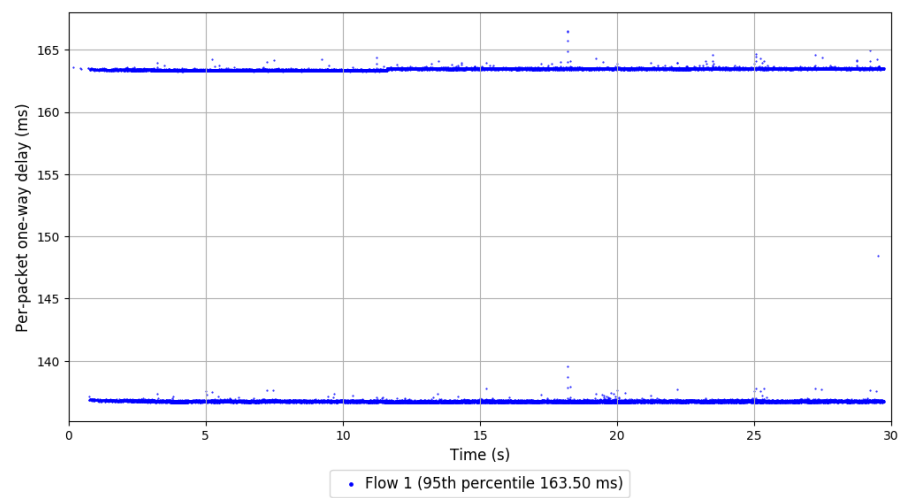
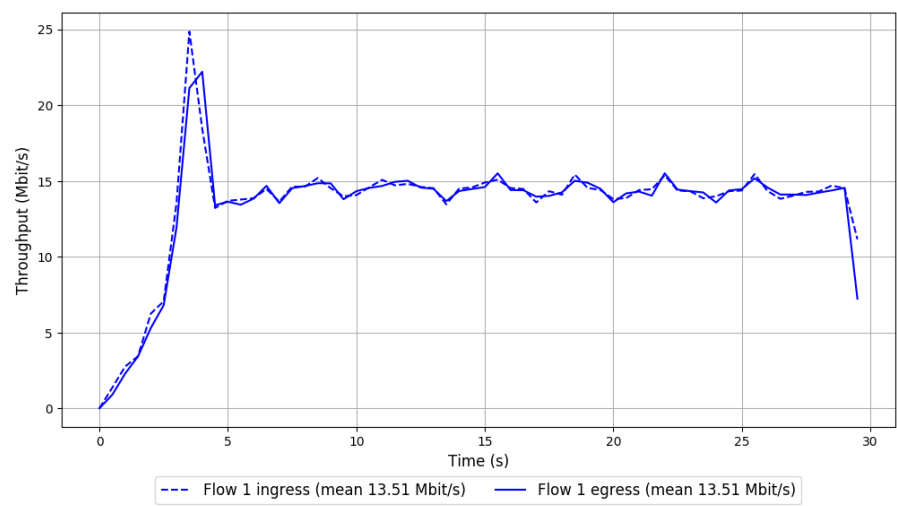
-- Flow 1:

Average throughput: 13.51 Mbit/s

95th percentile per-packet one-way delay: 163.503 ms

Loss rate: 1.01%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-16 23:21:57

End at: 2018-01-16 23:22:27

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.04 Mbit/s

95th percentile per-packet one-way delay: 237.186 ms

Loss rate: 3.36%

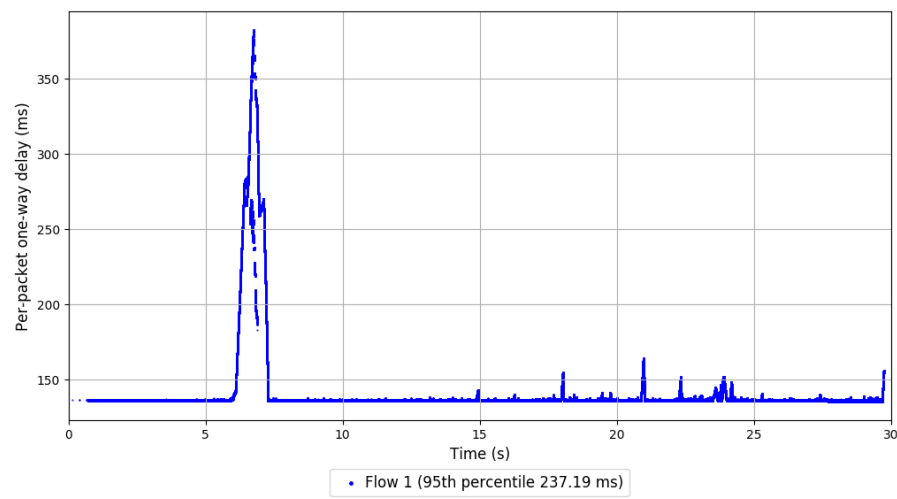
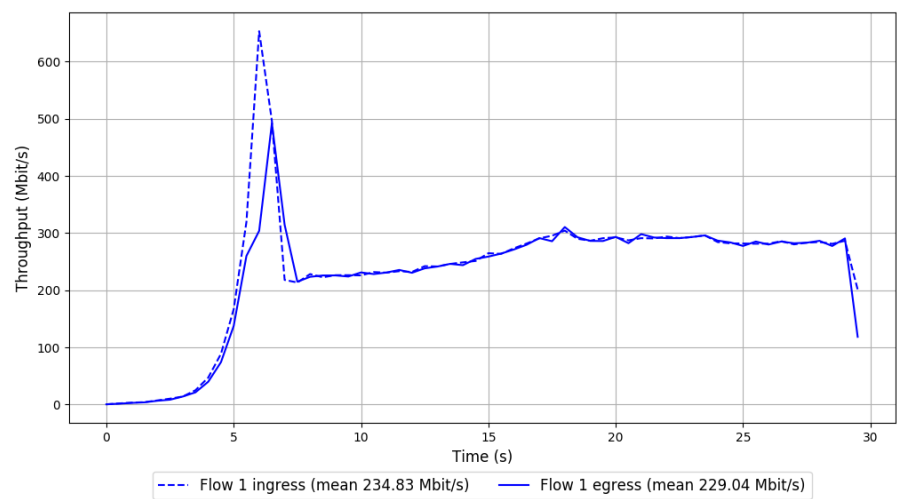
-- Flow 1:

Average throughput: 229.04 Mbit/s

95th percentile per-packet one-way delay: 237.186 ms

Loss rate: 3.36%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-16 23:37:47

End at: 2018-01-16 23:38:17

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.52 Mbit/s

95th percentile per-packet one-way delay: 264.903 ms

Loss rate: 5.46%

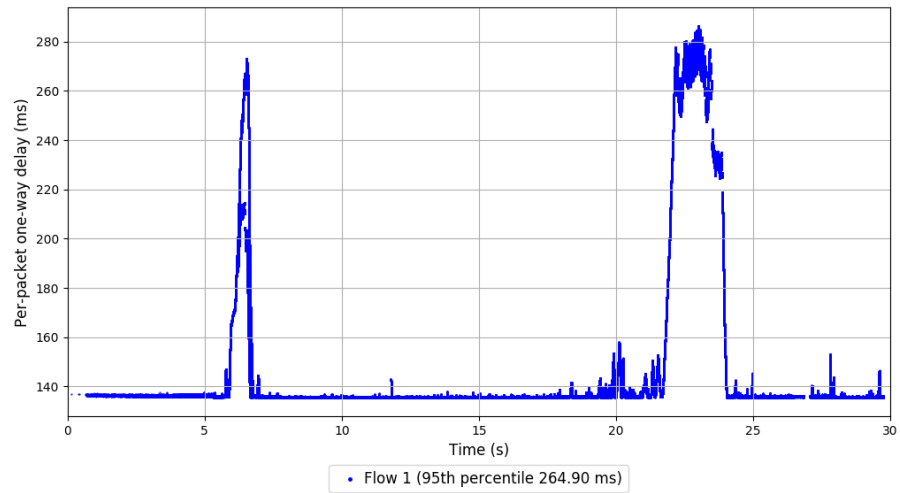
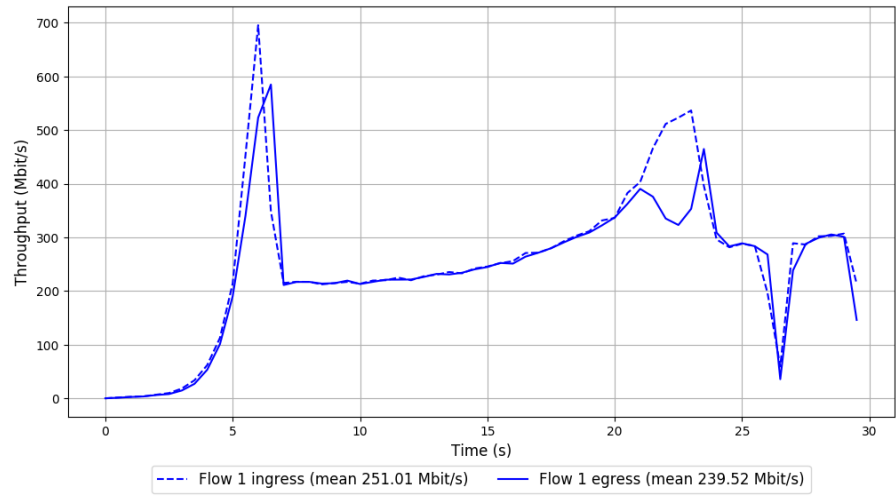
-- Flow 1:

Average throughput: 239.52 Mbit/s

95th percentile per-packet one-way delay: 264.903 ms

Loss rate: 5.46%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-16 23:53:24

End at: 2018-01-16 23:53:54

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.74 Mbit/s

95th percentile per-packet one-way delay: 148.687 ms

Loss rate: 1.35%

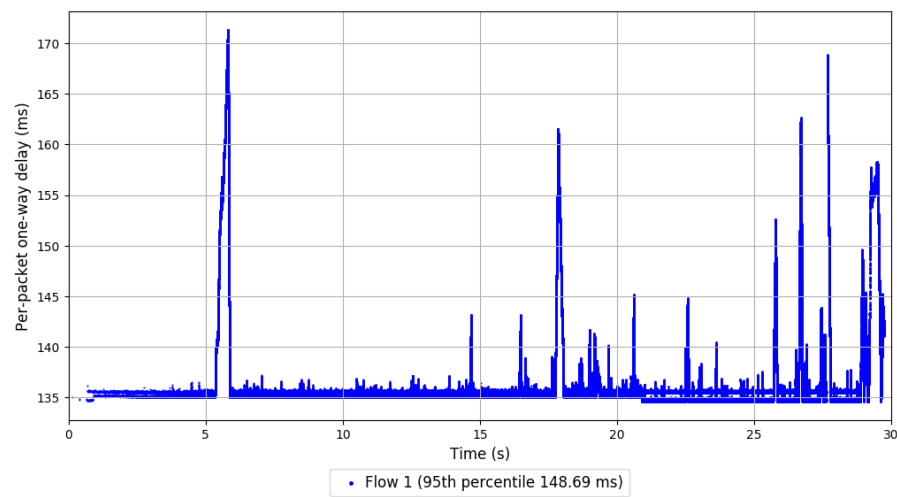
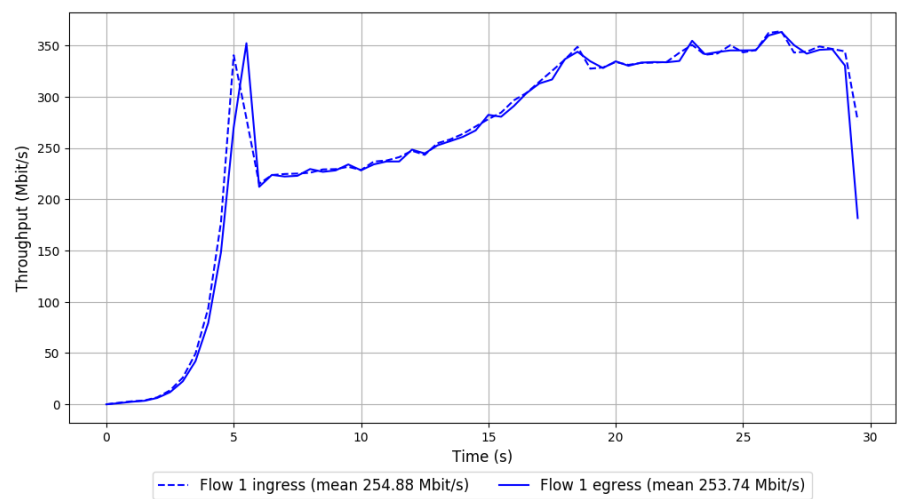
-- Flow 1:

Average throughput: 253.74 Mbit/s

95th percentile per-packet one-way delay: 148.687 ms

Loss rate: 1.35%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-01-17 00:09:39

End at: 2018-01-17 00:10:09

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.62 Mbit/s

95th percentile per-packet one-way delay: 234.370 ms

Loss rate: 1.50%

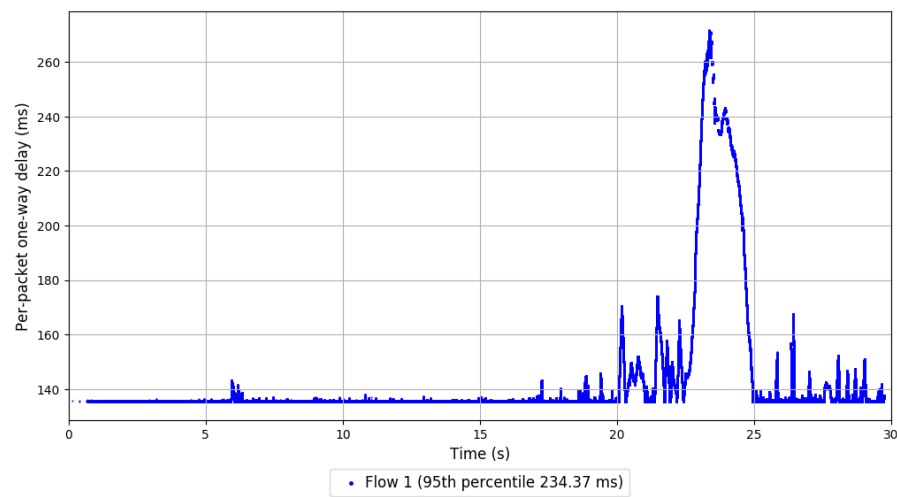
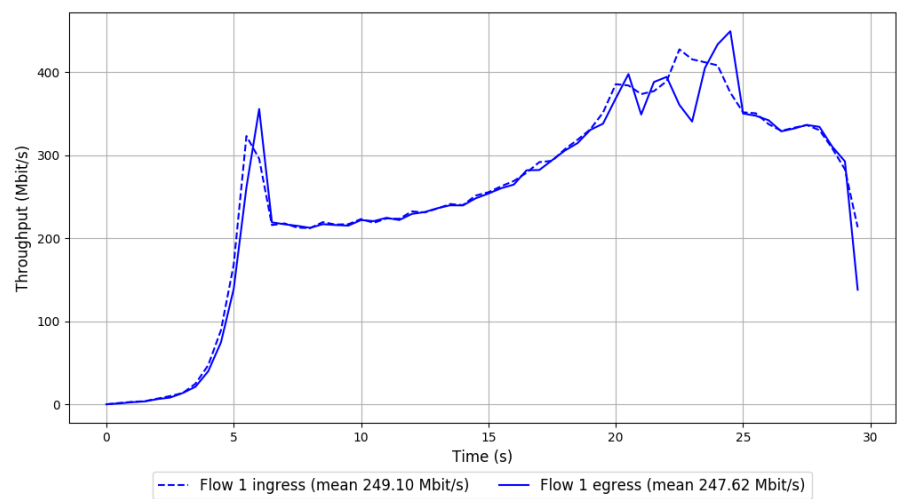
-- Flow 1:

Average throughput: 247.62 Mbit/s

95th percentile per-packet one-way delay: 234.370 ms

Loss rate: 1.50%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-17 00:25:22

End at: 2018-01-17 00:25:52

Below is generated by plot.py at 2018-01-17 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.89 Mbit/s

95th percentile per-packet one-way delay: 195.313 ms

Loss rate: 1.44%

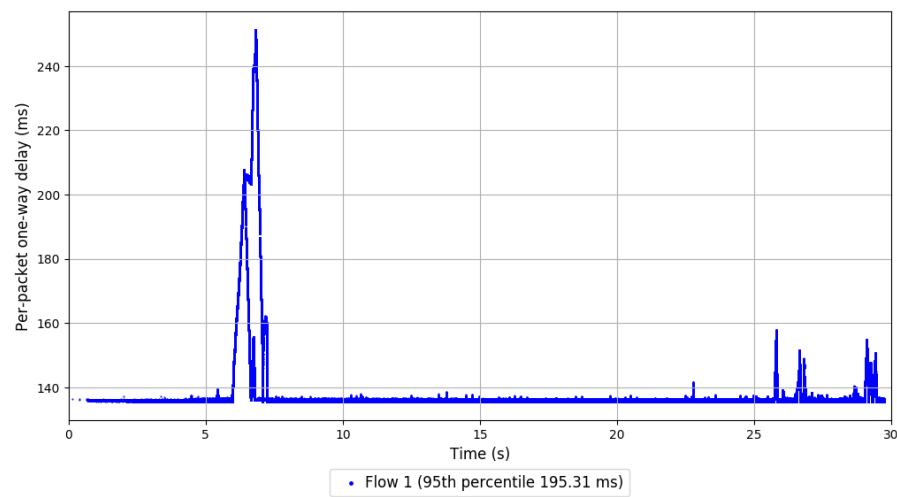
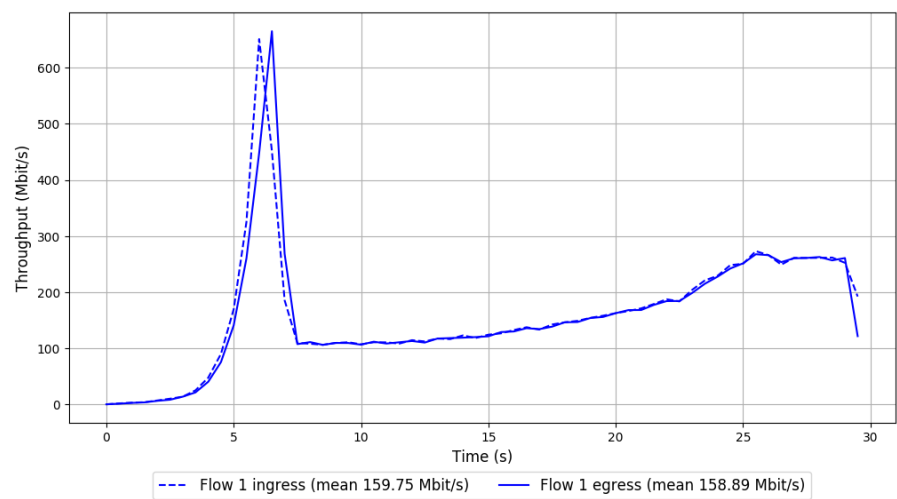
-- Flow 1:

Average throughput: 158.89 Mbit/s

95th percentile per-packet one-way delay: 195.313 ms

Loss rate: 1.44%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-17 00:41:13

End at: 2018-01-17 00:41:43

Below is generated by plot.py at 2018-01-17 04:44:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.14 Mbit/s

95th percentile per-packet one-way delay: 191.401 ms

Loss rate: 1.97%

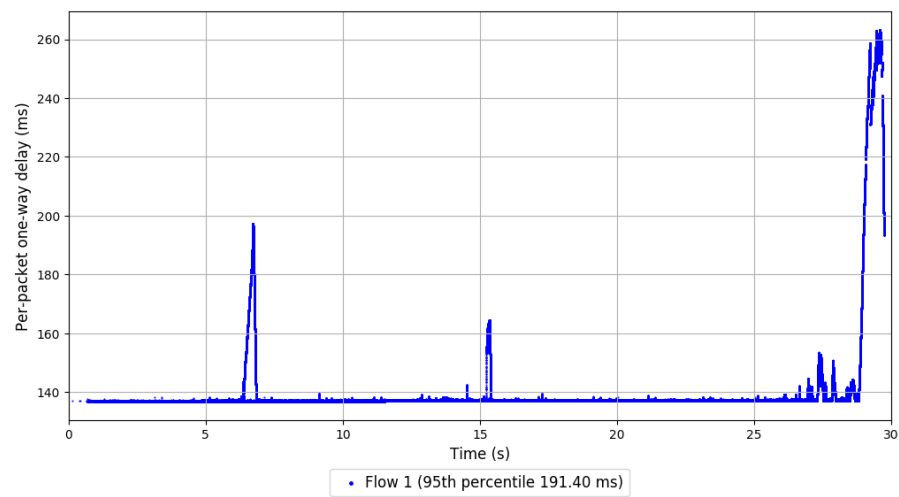
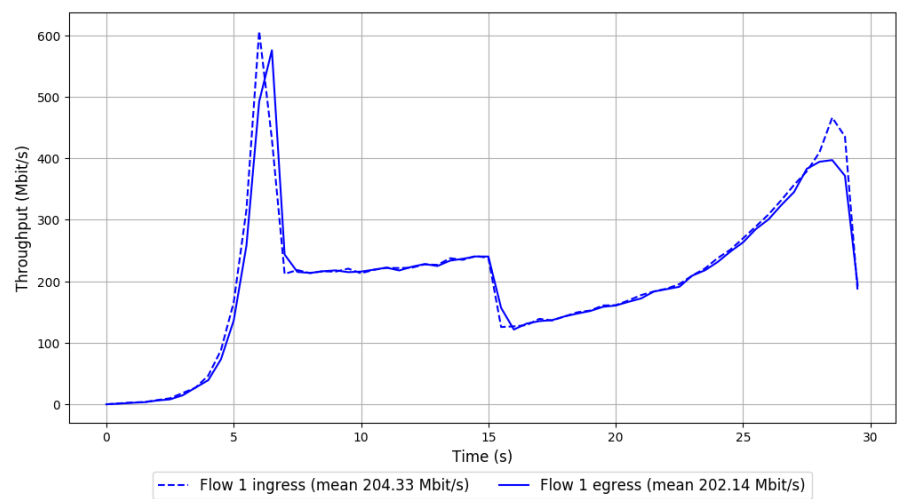
-- Flow 1:

Average throughput: 202.14 Mbit/s

95th percentile per-packet one-way delay: 191.401 ms

Loss rate: 1.97%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-01-17 00:57:22

End at: 2018-01-17 00:57:52

Below is generated by plot.py at 2018-01-17 04:44:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.49 Mbit/s

95th percentile per-packet one-way delay: 176.442 ms

Loss rate: 2.24%

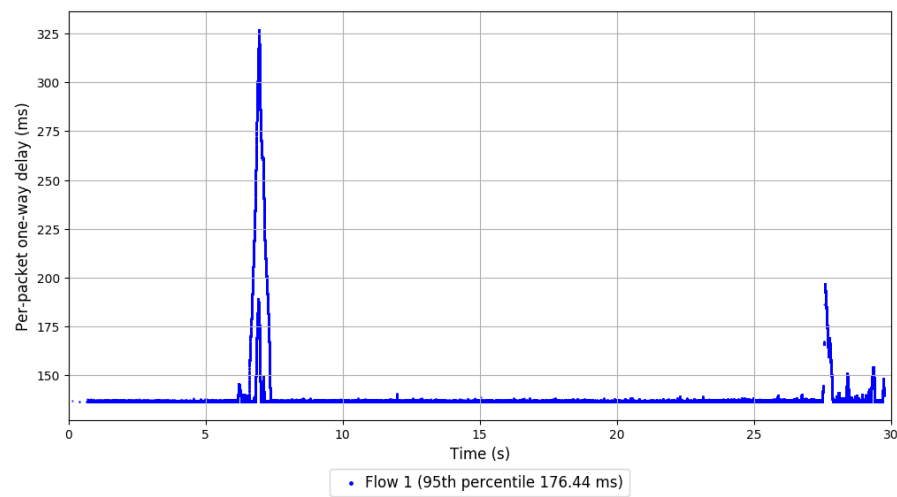
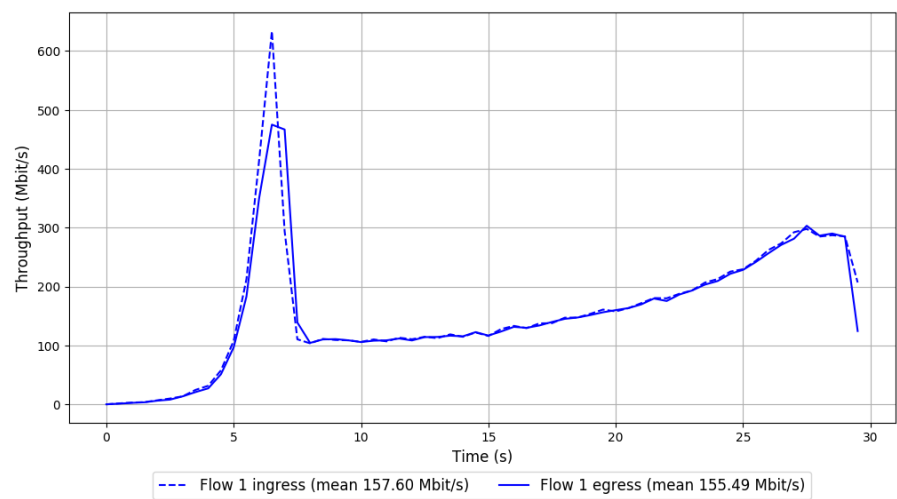
-- Flow 1:

Average throughput: 155.49 Mbit/s

95th percentile per-packet one-way delay: 176.442 ms

Loss rate: 2.24%

Run 10: Report of Vivace-latency — Data Link

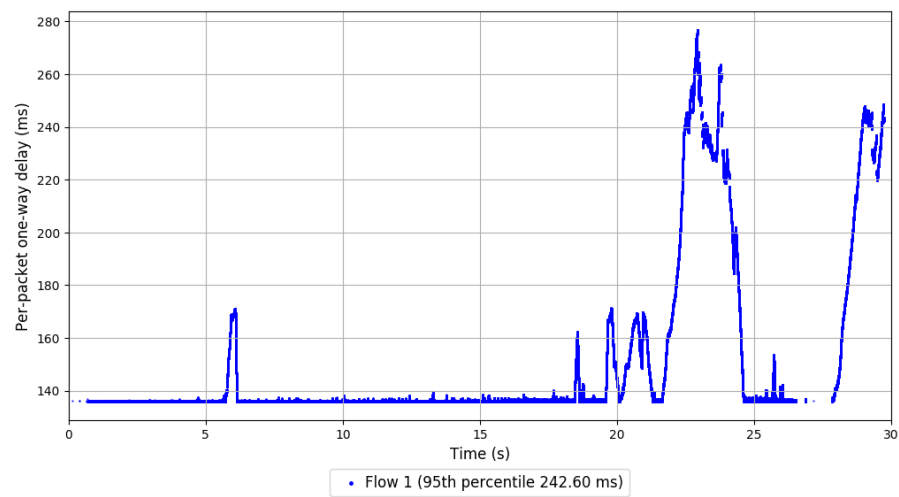
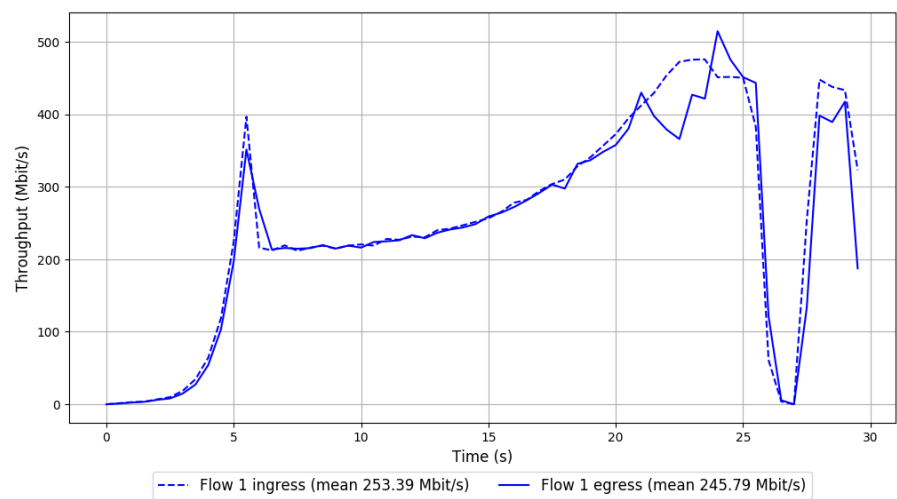


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 22:26:38
End at: 2018-01-16 22:27:08

# Below is generated by plot.py at 2018-01-17 04:48:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 245.79 Mbit/s
95th percentile per-packet one-way delay: 242.604 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 245.79 Mbit/s
95th percentile per-packet one-way delay: 242.604 ms
Loss rate: 3.88%
```

Run 1: Report of Vivace-loss — Data Link

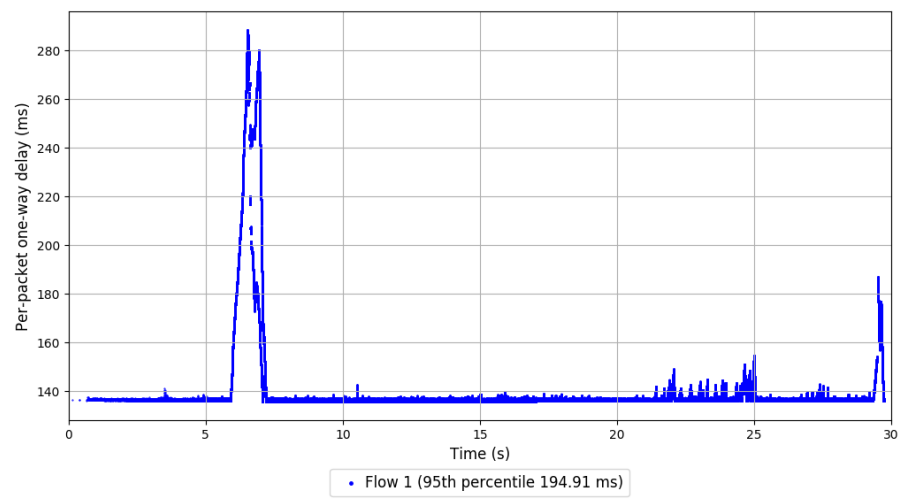
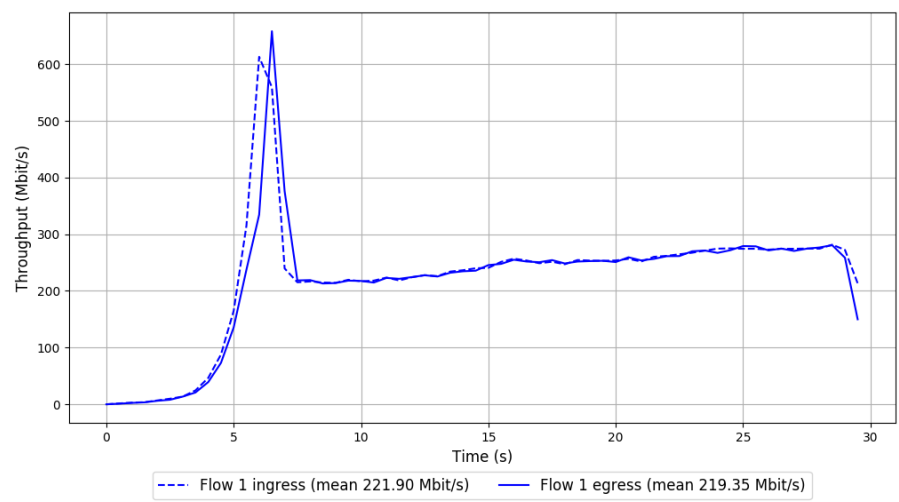


```
Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 22:42:57
End at: 2018-01-16 22:43:27

# Below is generated by plot.py at 2018-01-17 04:48:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.35 Mbit/s
95th percentile per-packet one-way delay: 194.910 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 219.35 Mbit/s
95th percentile per-packet one-way delay: 194.910 ms
Loss rate: 2.05%
```

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 22:59:00

End at: 2018-01-16 22:59:30

Below is generated by plot.py at 2018-01-17 04:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.43 Mbit/s

95th percentile per-packet one-way delay: 151.028 ms

Loss rate: 4.20%

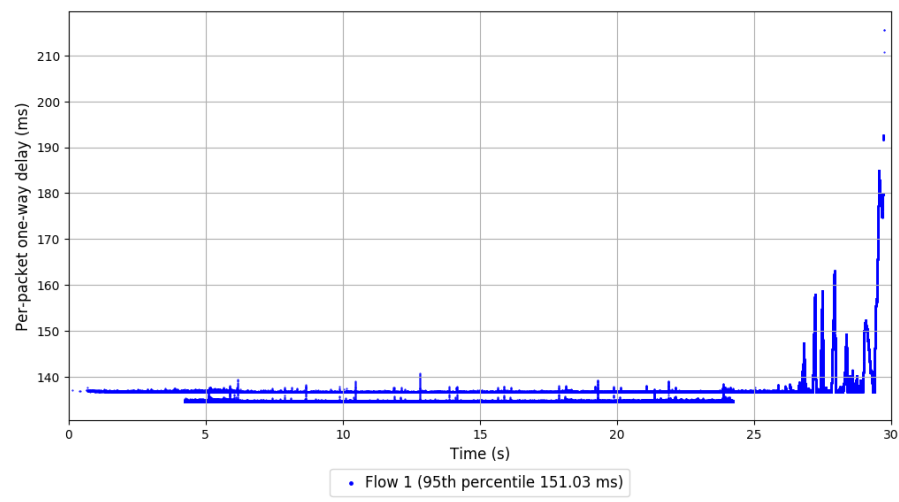
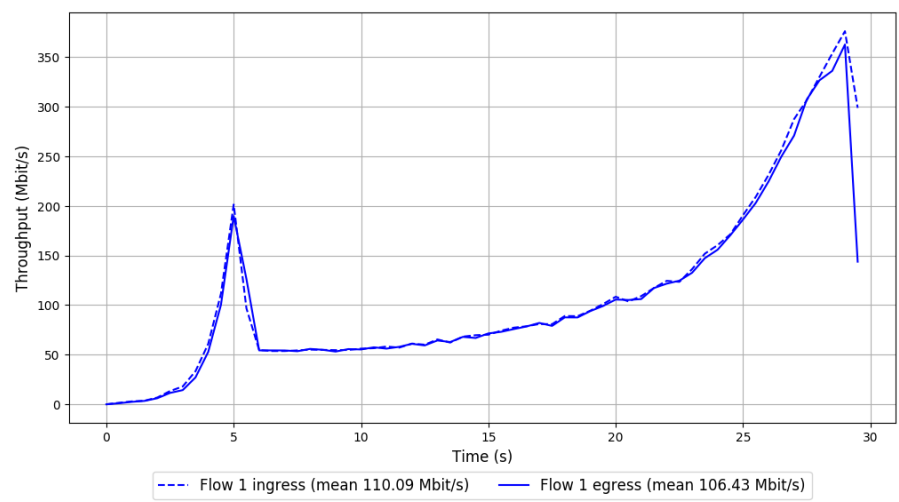
-- Flow 1:

Average throughput: 106.43 Mbit/s

95th percentile per-packet one-way delay: 151.028 ms

Loss rate: 4.20%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-16 23:14:13

End at: 2018-01-16 23:14:43

Below is generated by plot.py at 2018-01-17 04:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.81 Mbit/s

95th percentile per-packet one-way delay: 173.822 ms

Loss rate: 2.48%

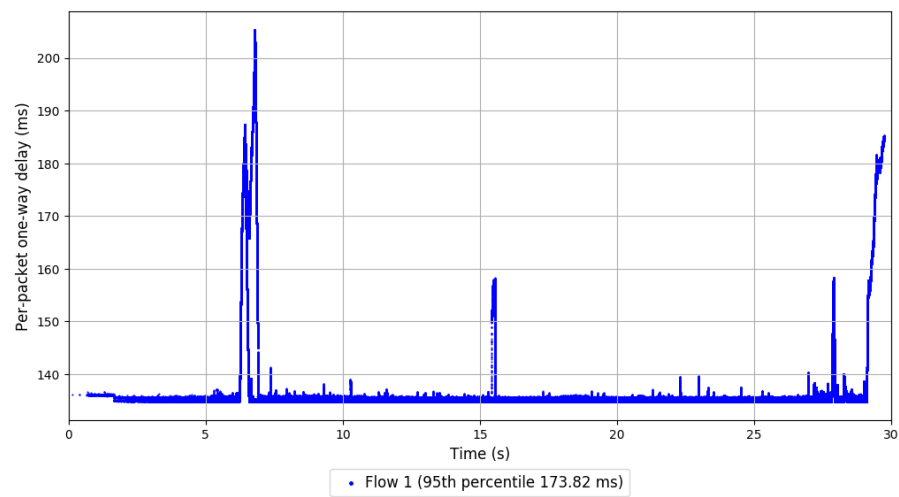
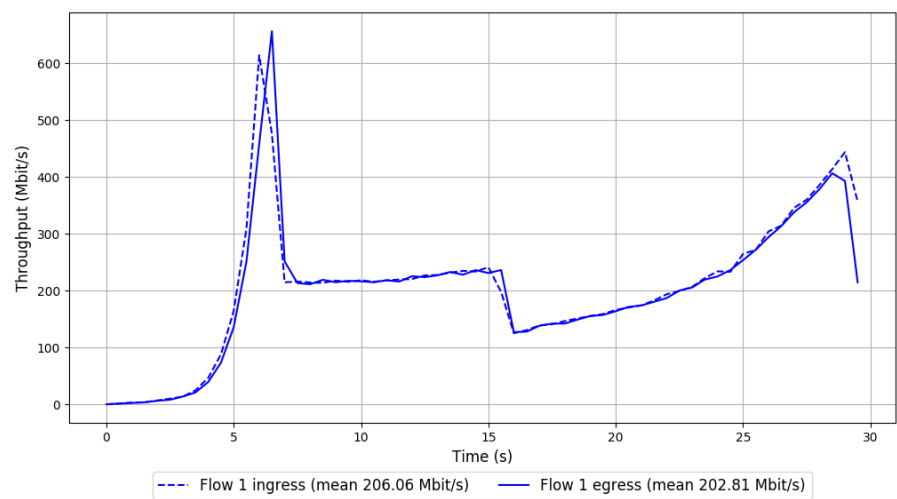
-- Flow 1:

Average throughput: 202.81 Mbit/s

95th percentile per-packet one-way delay: 173.822 ms

Loss rate: 2.48%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-16 23:30:13

End at: 2018-01-16 23:30:43

Below is generated by plot.py at 2018-01-17 04:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.24 Mbit/s

95th percentile per-packet one-way delay: 164.936 ms

Loss rate: 2.61%

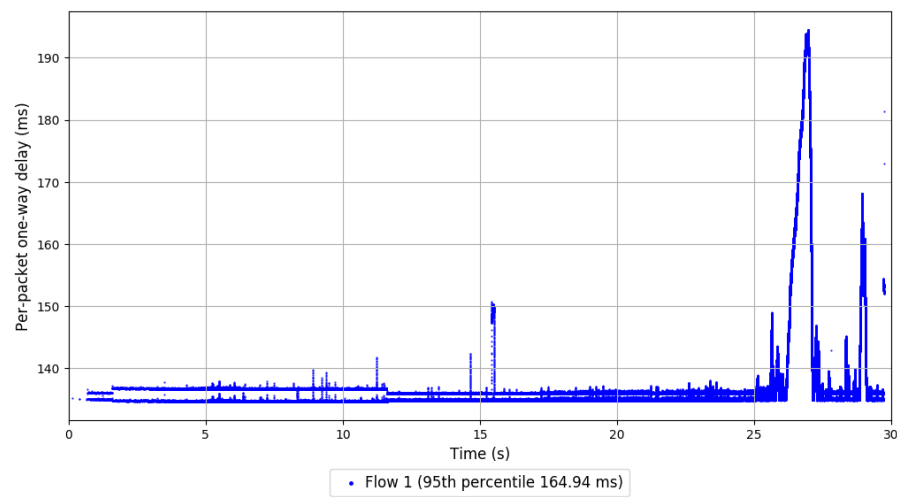
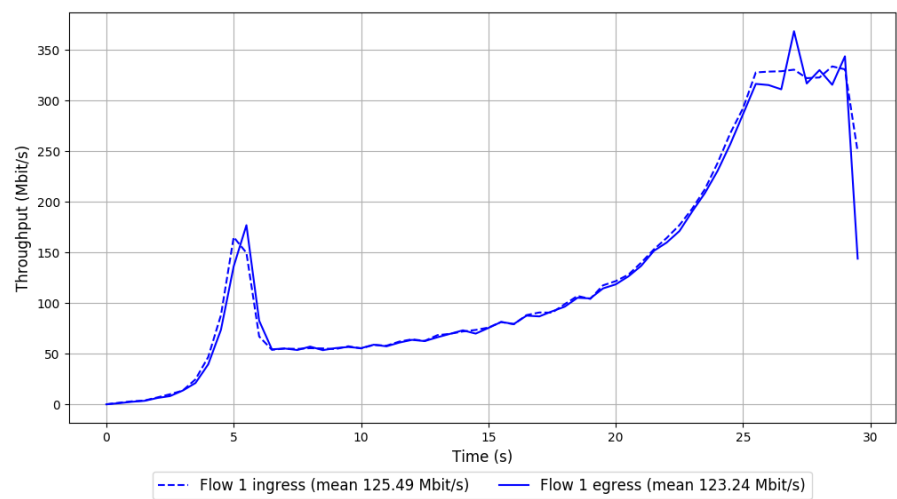
-- Flow 1:

Average throughput: 123.24 Mbit/s

95th percentile per-packet one-way delay: 164.936 ms

Loss rate: 2.61%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-16 23:46:10

End at: 2018-01-16 23:46:40

Below is generated by plot.py at 2018-01-17 04:51:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.20 Mbit/s

95th percentile per-packet one-way delay: 164.011 ms

Loss rate: 0.83%

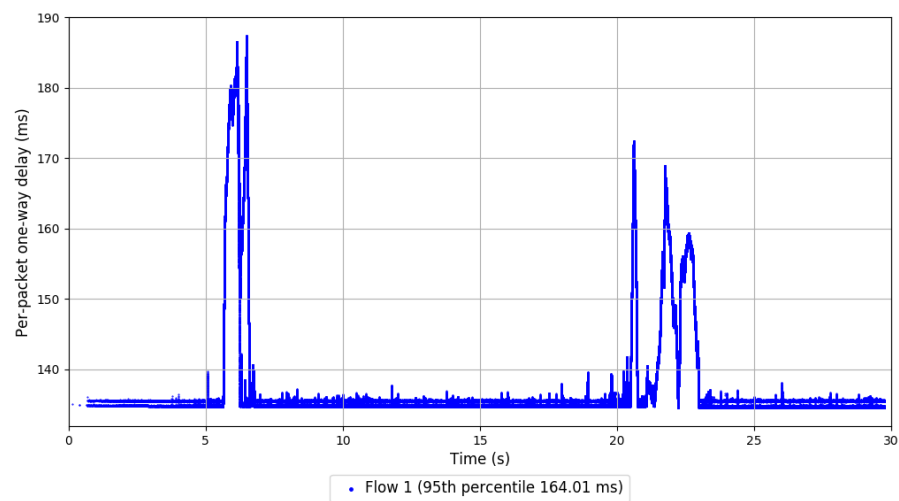
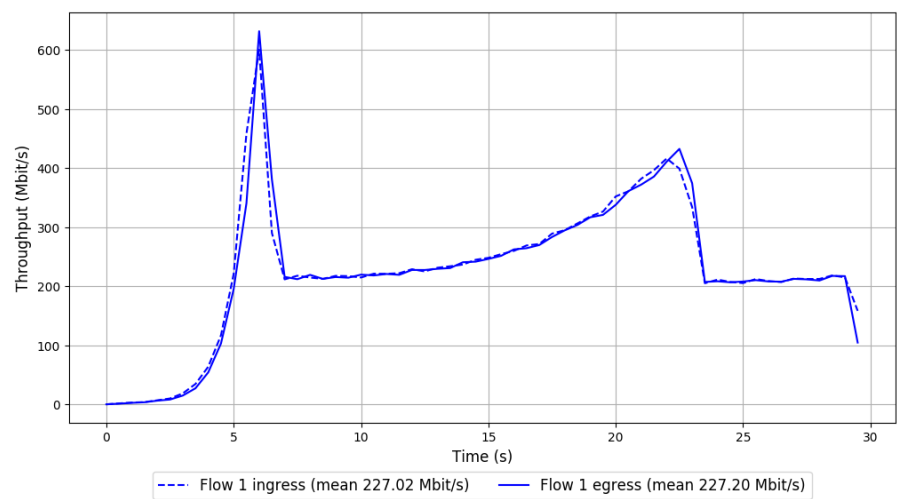
-- Flow 1:

Average throughput: 227.20 Mbit/s

95th percentile per-packet one-way delay: 164.011 ms

Loss rate: 0.83%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-17 00:01:53

End at: 2018-01-17 00:02:23

Below is generated by plot.py at 2018-01-17 04:51:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.78 Mbit/s

95th percentile per-packet one-way delay: 232.480 ms

Loss rate: 5.53%

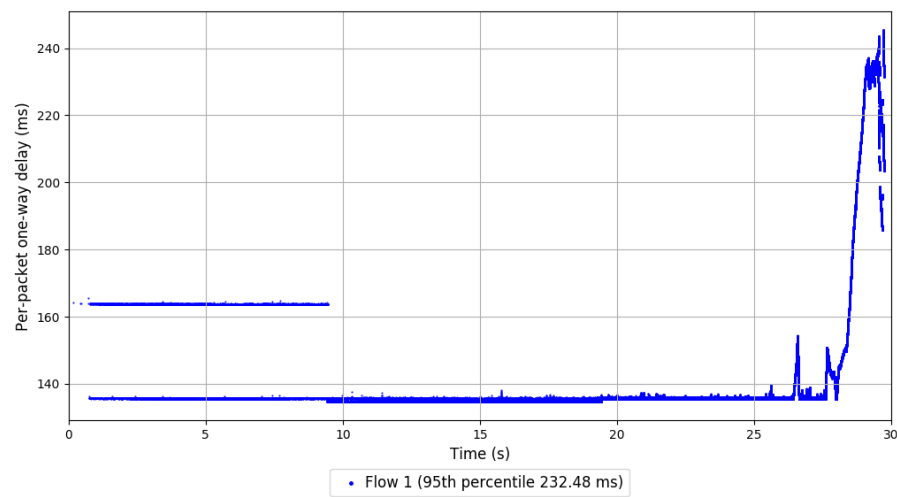
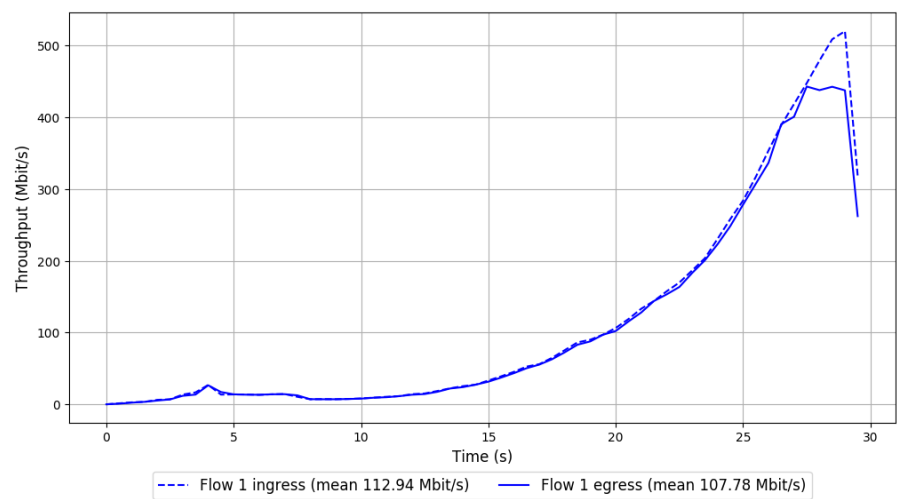
-- Flow 1:

Average throughput: 107.78 Mbit/s

95th percentile per-packet one-way delay: 232.480 ms

Loss rate: 5.53%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-17 00:17:54

End at: 2018-01-17 00:18:24

Below is generated by plot.py at 2018-01-17 04:51:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.42 Mbit/s

95th percentile per-packet one-way delay: 137.155 ms

Loss rate: 1.11%

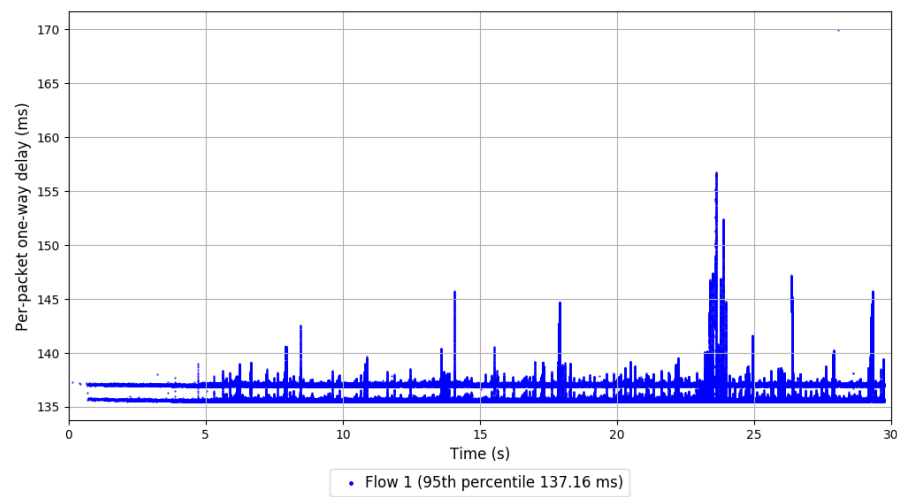
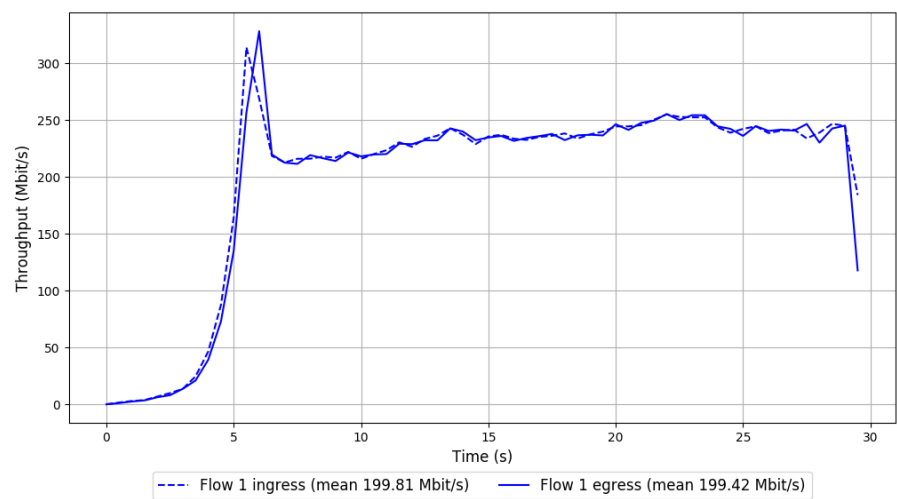
-- Flow 1:

Average throughput: 199.42 Mbit/s

95th percentile per-packet one-way delay: 137.155 ms

Loss rate: 1.11%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-17 00:33:37

End at: 2018-01-17 00:34:07

Below is generated by plot.py at 2018-01-17 04:53:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.78 Mbit/s

95th percentile per-packet one-way delay: 198.069 ms

Loss rate: 2.06%

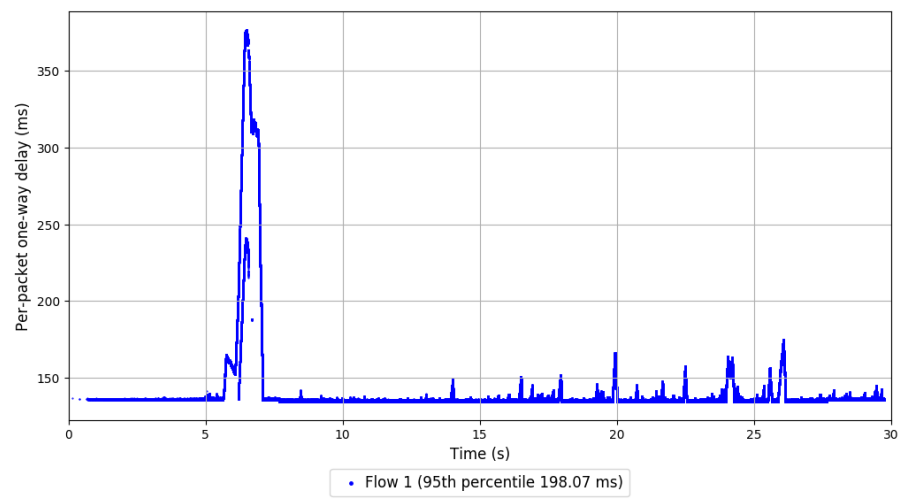
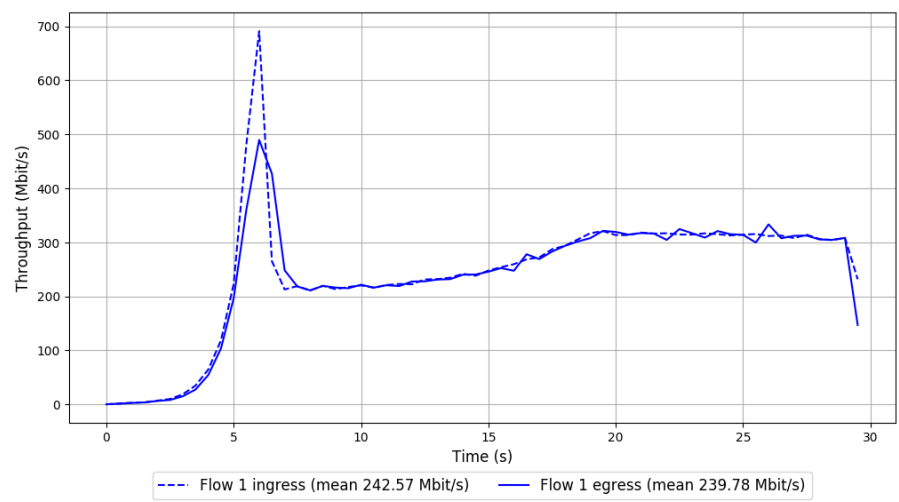
-- Flow 1:

Average throughput: 239.78 Mbit/s

95th percentile per-packet one-way delay: 198.069 ms

Loss rate: 2.06%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-01-17 00:49:33

End at: 2018-01-17 00:50:03

Below is generated by plot.py at 2018-01-17 04:54:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.44 Mbit/s

95th percentile per-packet one-way delay: 275.126 ms

Loss rate: 4.84%

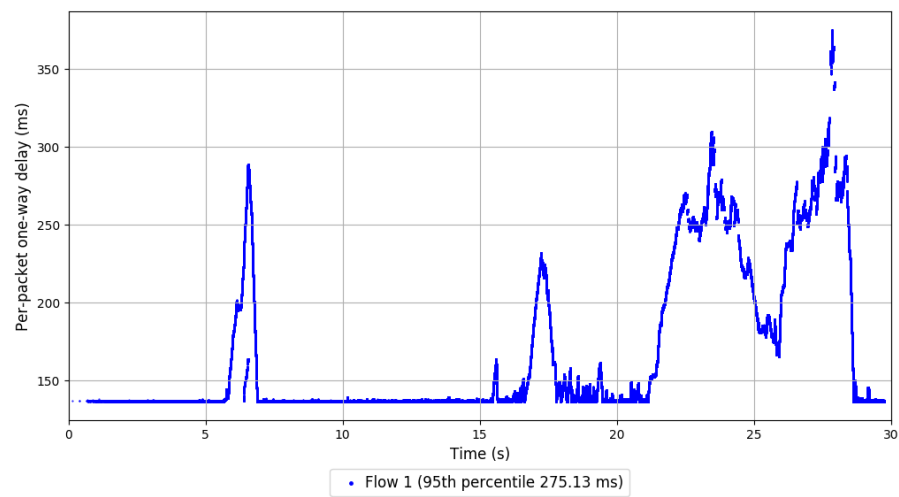
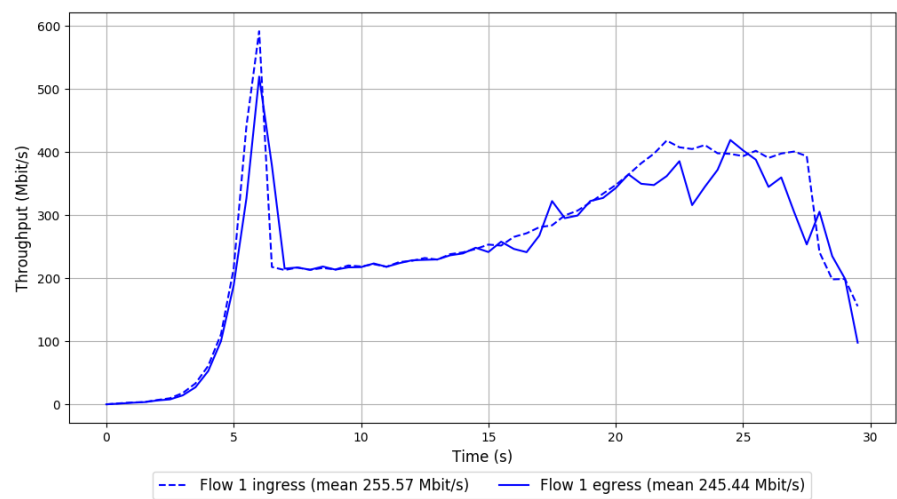
-- Flow 1:

Average throughput: 245.44 Mbit/s

95th percentile per-packet one-way delay: 275.126 ms

Loss rate: 4.84%

Run 10: Report of Vivace-loss — Data Link

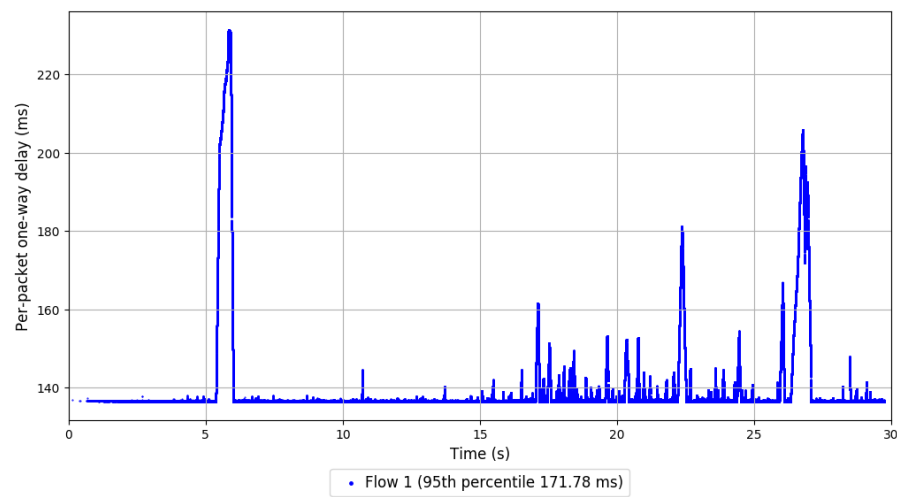
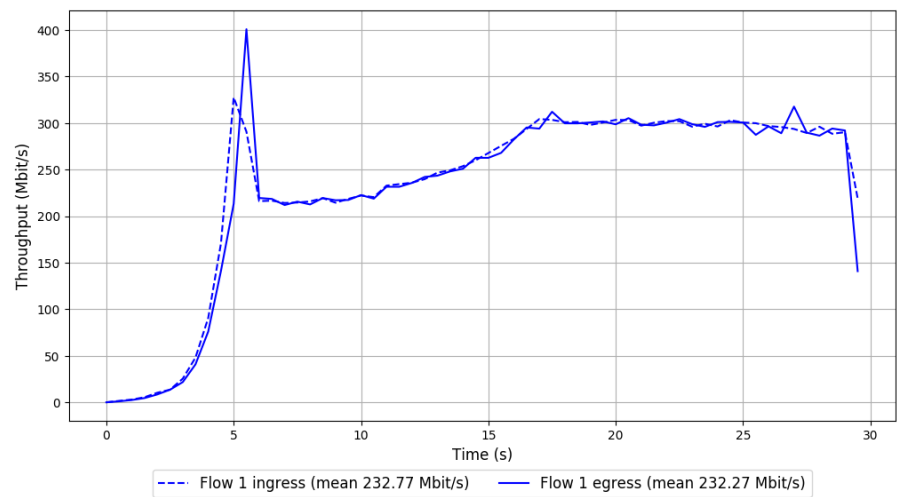


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 22:31:11
End at: 2018-01-16 22:31:41

# Below is generated by plot.py at 2018-01-17 04:54:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.27 Mbit/s
95th percentile per-packet one-way delay: 171.785 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 232.27 Mbit/s
95th percentile per-packet one-way delay: 171.785 ms
Loss rate: 1.13%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 22:47:23

End at: 2018-01-16 22:47:53

Below is generated by plot.py at 2018-01-17 04:54:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.96 Mbit/s

95th percentile per-packet one-way delay: 140.387 ms

Loss rate: 2.73%

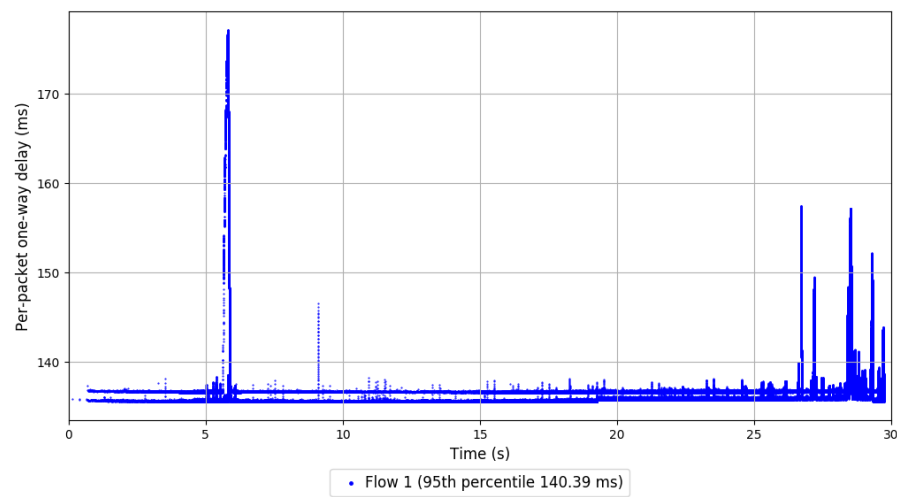
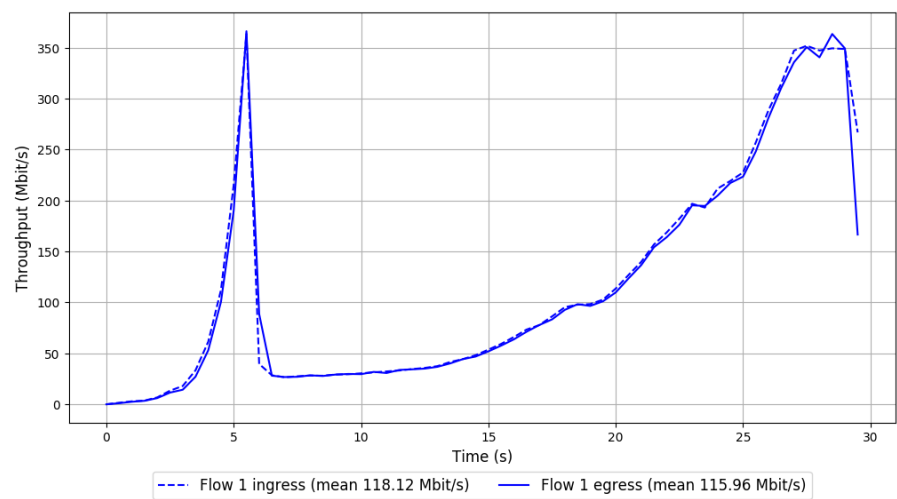
-- Flow 1:

Average throughput: 115.96 Mbit/s

95th percentile per-packet one-way delay: 140.387 ms

Loss rate: 2.73%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-16 23:03:05

End at: 2018-01-16 23:03:35

Below is generated by plot.py at 2018-01-17 04:54:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.49 Mbit/s

95th percentile per-packet one-way delay: 256.649 ms

Loss rate: 2.87%

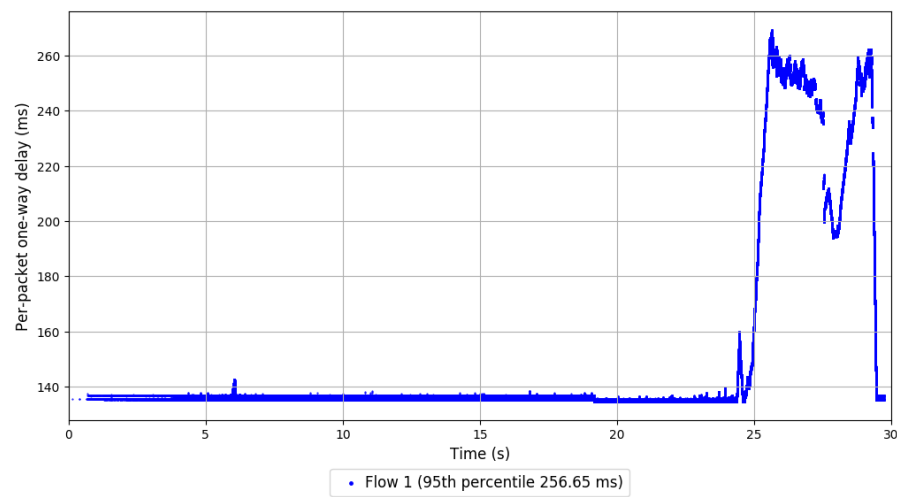
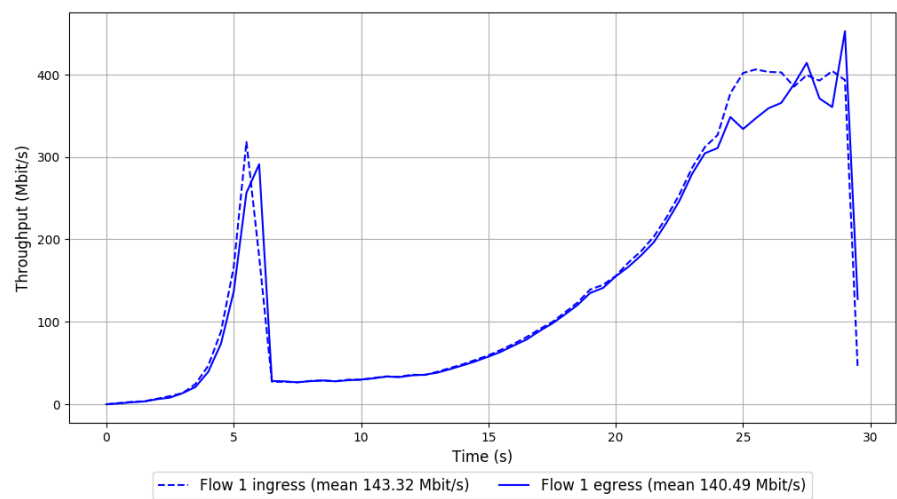
-- Flow 1:

Average throughput: 140.49 Mbit/s

95th percentile per-packet one-way delay: 256.649 ms

Loss rate: 2.87%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-16 23:18:36

End at: 2018-01-16 23:19:06

Below is generated by plot.py at 2018-01-17 04:54:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.25 Mbit/s

95th percentile per-packet one-way delay: 160.243 ms

Loss rate: 1.38%

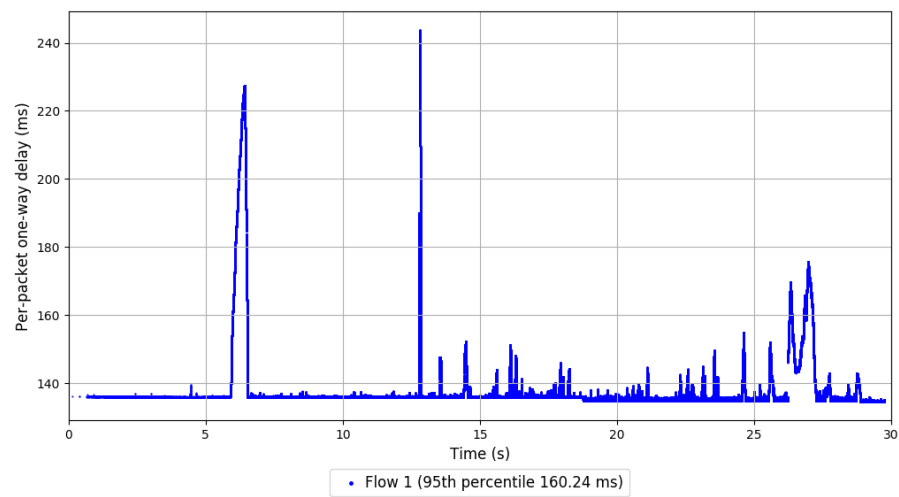
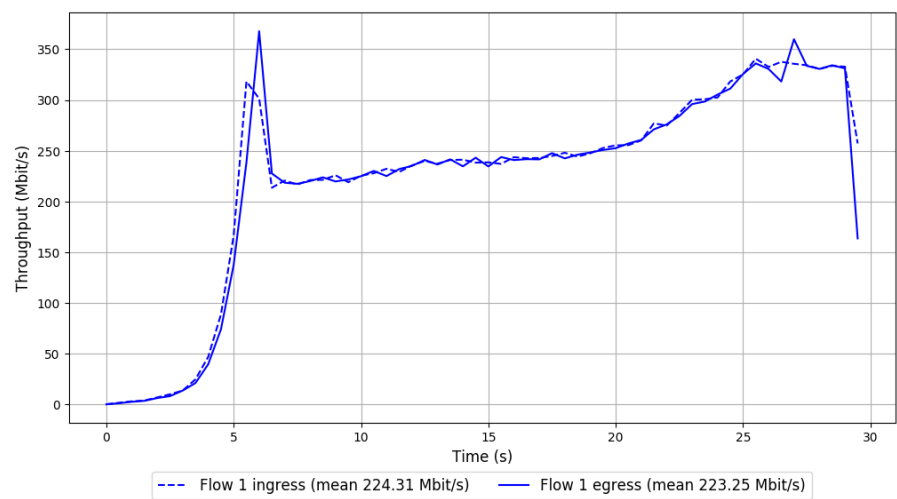
-- Flow 1:

Average throughput: 223.25 Mbit/s

95th percentile per-packet one-way delay: 160.243 ms

Loss rate: 1.38%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-16 23:34:43

End at: 2018-01-16 23:35:13

Below is generated by plot.py at 2018-01-17 04:54:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.95 Mbit/s

95th percentile per-packet one-way delay: 272.218 ms

Loss rate: 1.94%

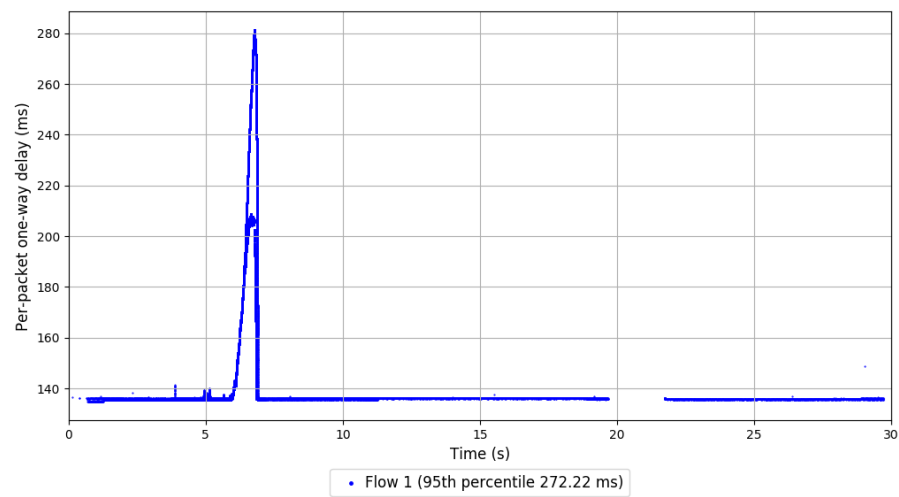
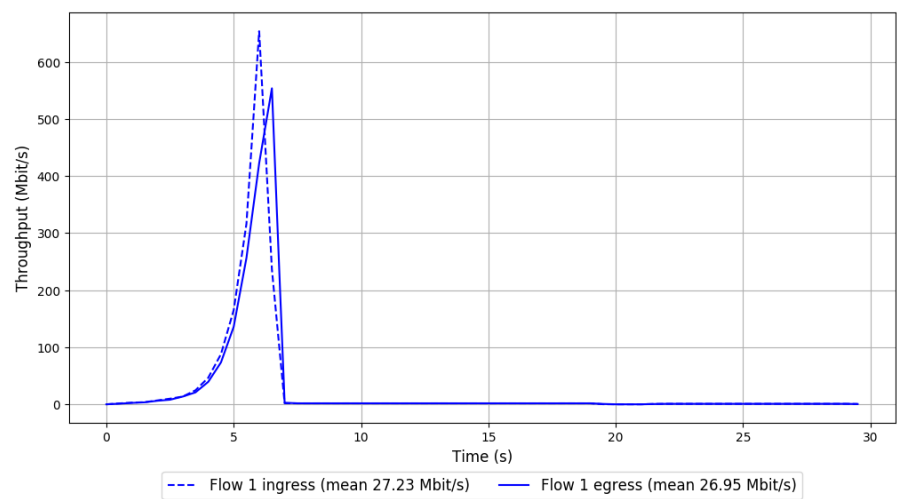
-- Flow 1:

Average throughput: 26.95 Mbit/s

95th percentile per-packet one-way delay: 272.218 ms

Loss rate: 1.94%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-16 23:50:20

End at: 2018-01-16 23:50:50

Below is generated by plot.py at 2018-01-17 04:54:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.81 Mbit/s

95th percentile per-packet one-way delay: 135.845 ms

Loss rate: 0.05%

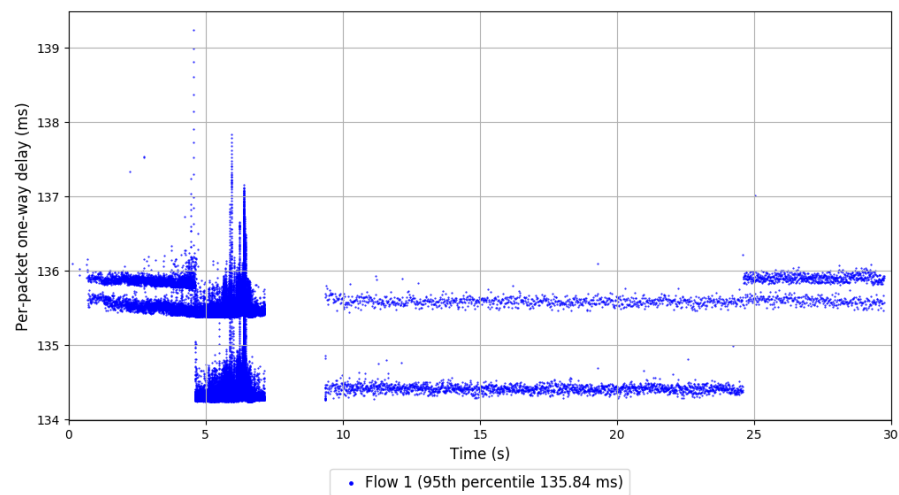
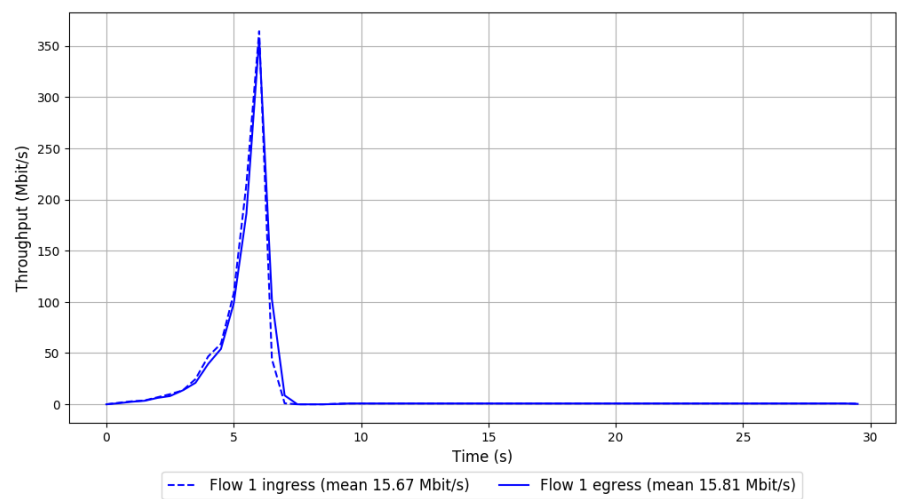
-- Flow 1:

Average throughput: 15.81 Mbit/s

95th percentile per-packet one-way delay: 135.845 ms

Loss rate: 0.05%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-01-17 00:06:27

End at: 2018-01-17 00:06:57

Below is generated by plot.py at 2018-01-17 04:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.90 Mbit/s

95th percentile per-packet one-way delay: 171.053 ms

Loss rate: 2.28%

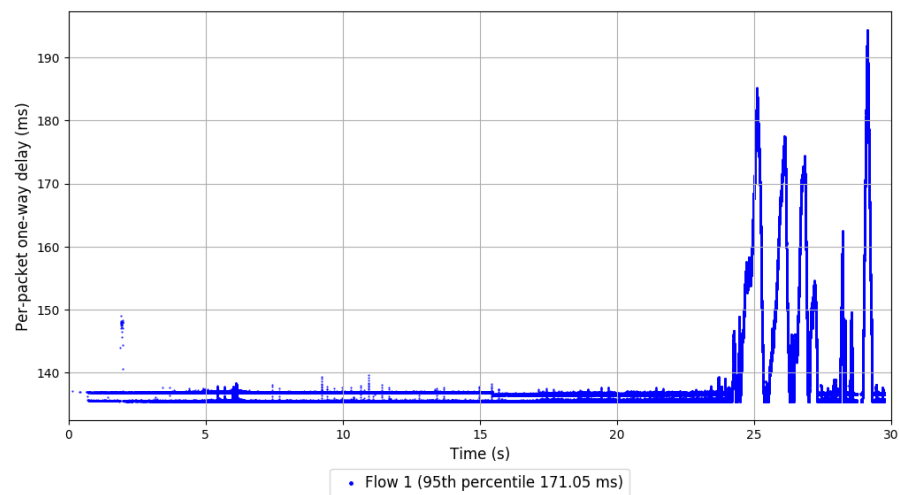
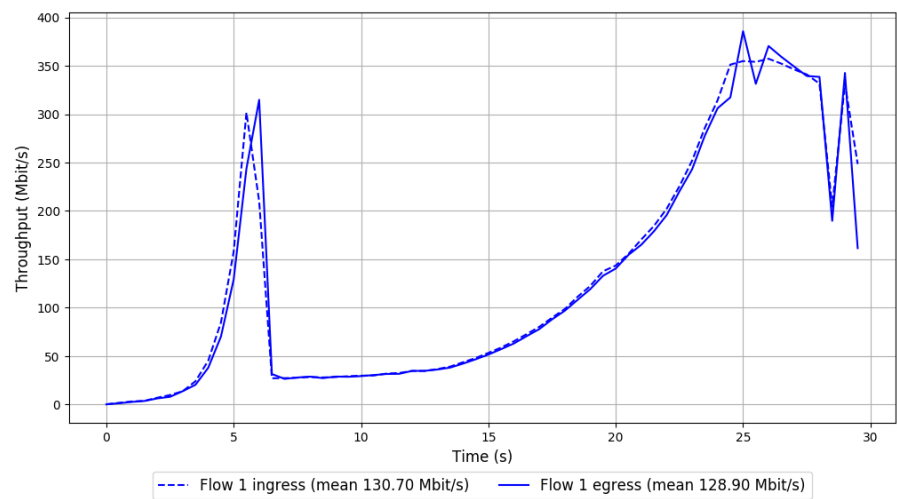
-- Flow 1:

Average throughput: 128.90 Mbit/s

95th percentile per-packet one-way delay: 171.053 ms

Loss rate: 2.28%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-17 00:22:24

End at: 2018-01-17 00:22:54

Below is generated by plot.py at 2018-01-17 04:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.91 Mbit/s

95th percentile per-packet one-way delay: 137.156 ms

Loss rate: 0.05%

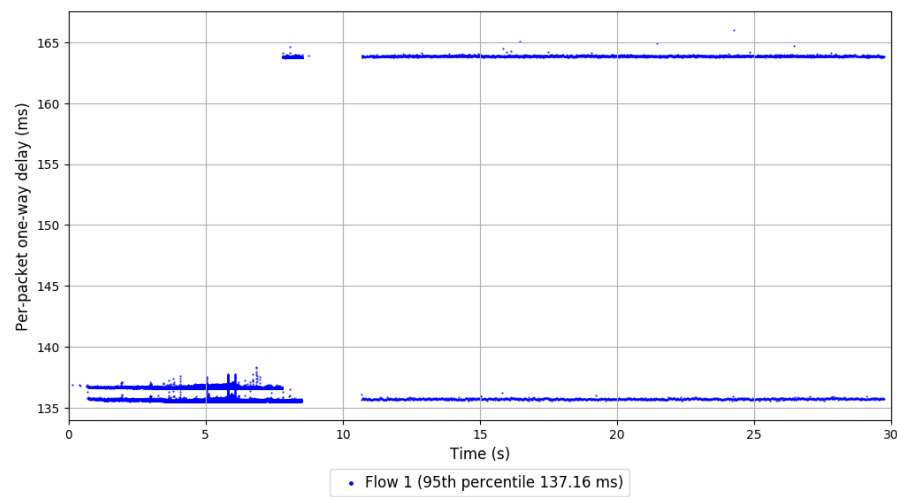
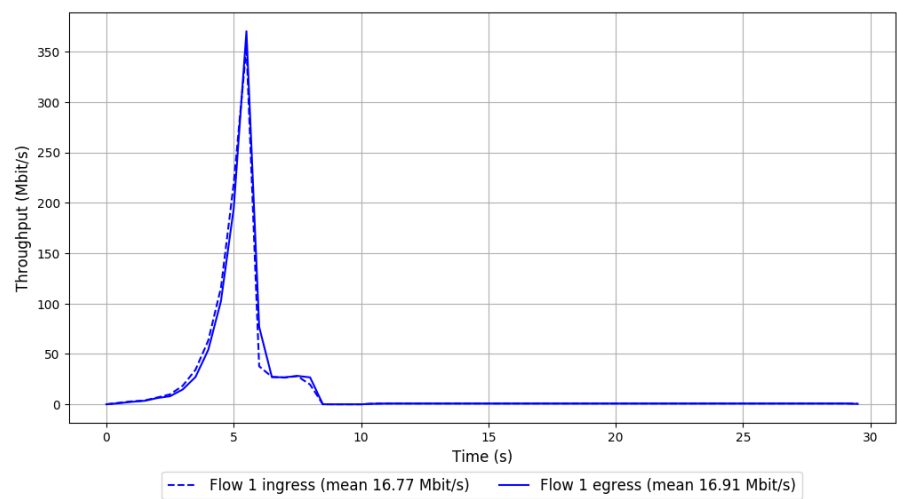
-- Flow 1:

Average throughput: 16.91 Mbit/s

95th percentile per-packet one-way delay: 137.156 ms

Loss rate: 0.05%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-17 00:38:08

End at: 2018-01-17 00:38:38

Below is generated by plot.py at 2018-01-17 04:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 291.607 ms

Loss rate: 3.92%

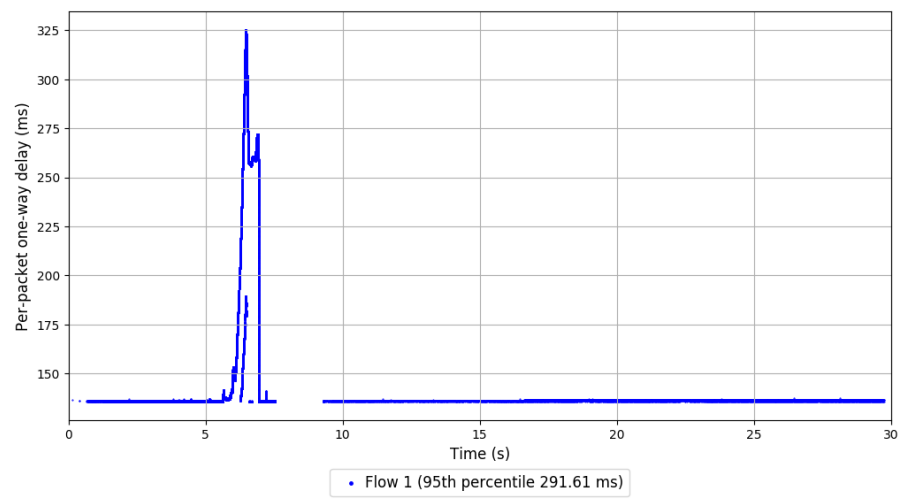
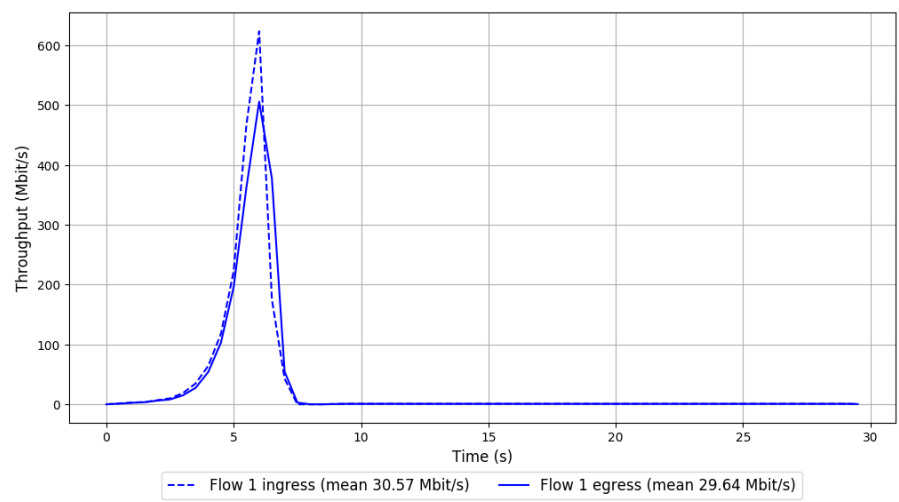
-- Flow 1:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 291.607 ms

Loss rate: 3.92%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-17 00:54:07

End at: 2018-01-17 00:54:37

Below is generated by plot.py at 2018-01-17 04:54:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.17 Mbit/s

95th percentile per-packet one-way delay: 172.665 ms

Loss rate: 2.19%

-- Flow 1:

Average throughput: 144.17 Mbit/s

95th percentile per-packet one-way delay: 172.665 ms

Loss rate: 2.19%

Run 10: Report of Vivace-LTE — Data Link

