

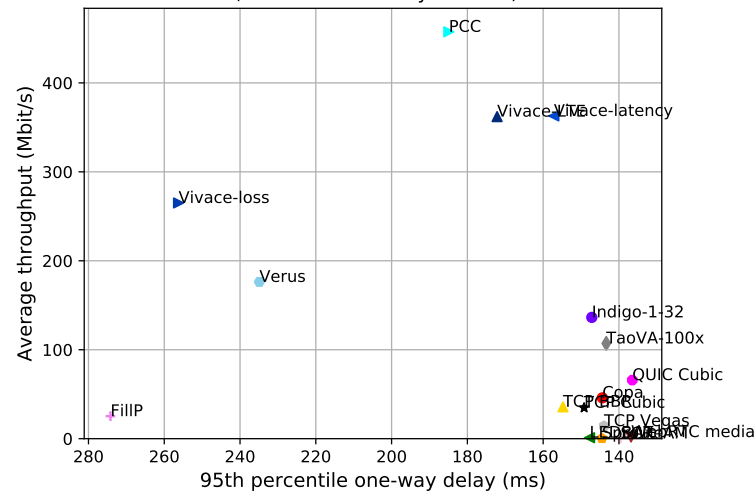
Pantheon Report

Generated at 2018-01-31 07:07:25 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

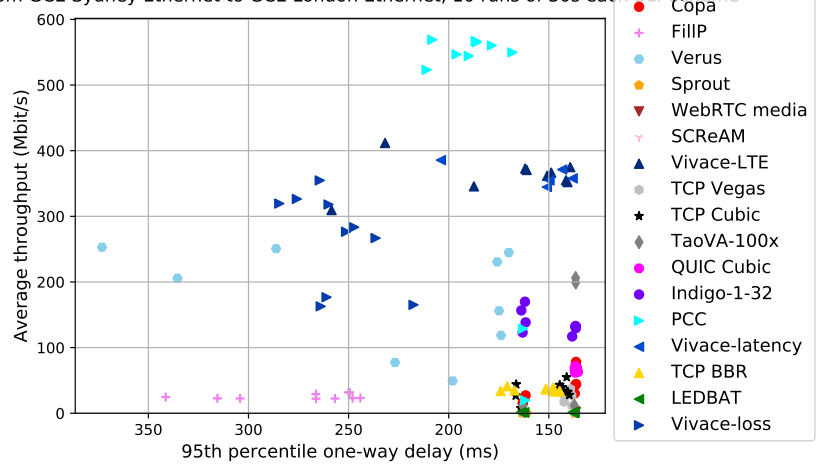
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	35.84	154.77	1.19
TCP Cubic	10	34.79	149.19	0.36
LEDBAT	10	1.09	147.76	0.45
PCC	10	457.41	184.89	1.51
QUIC Cubic	10	65.86	136.47	0.00
SCReAM	9	0.21	139.59	0.00
WebRTC media	7	1.84	136.81	0.00
Sprout	10	0.39	144.48	0.00
TaoVA-100x	4	107.08	143.35	1.09
TCP Vegas	10	14.18	143.96	1.18
Verus	9	176.25	234.90	5.72
Copa	10	45.90	144.38	0.02
FillP	10	25.34	274.20	8.95
Indigo-1-32	10	136.39	147.16	0.62
Vivace-latency	5	362.82	157.18	0.41
Vivace-loss	10	265.02	256.23	2.79
Vivace-LTE	10	362.10	172.15	0.43

Run 1: Statistics of TCP BBR

Start at: 2018-01-31 03:19:27

End at: 2018-01-31 03:19:58

Below is generated by plot.py at 2018-01-31 06:28:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.92 Mbit/s

95th percentile per-packet one-way delay: 144.549 ms

Loss rate: 1.05%

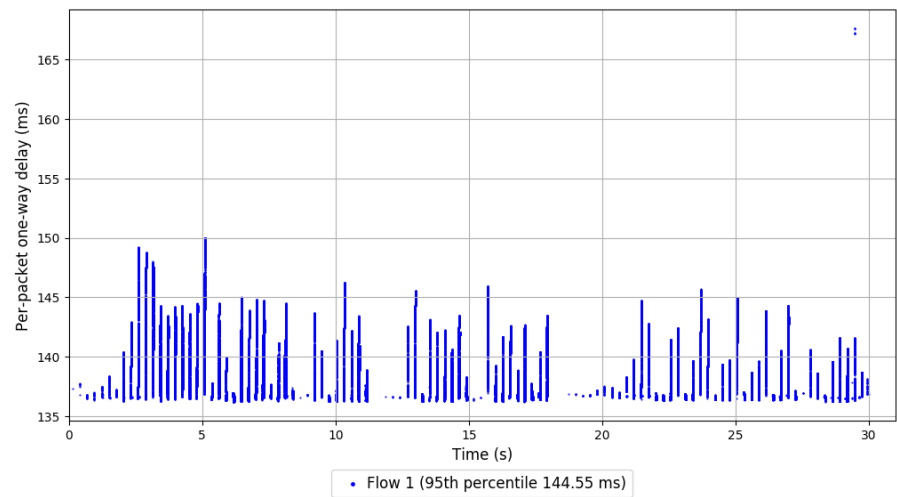
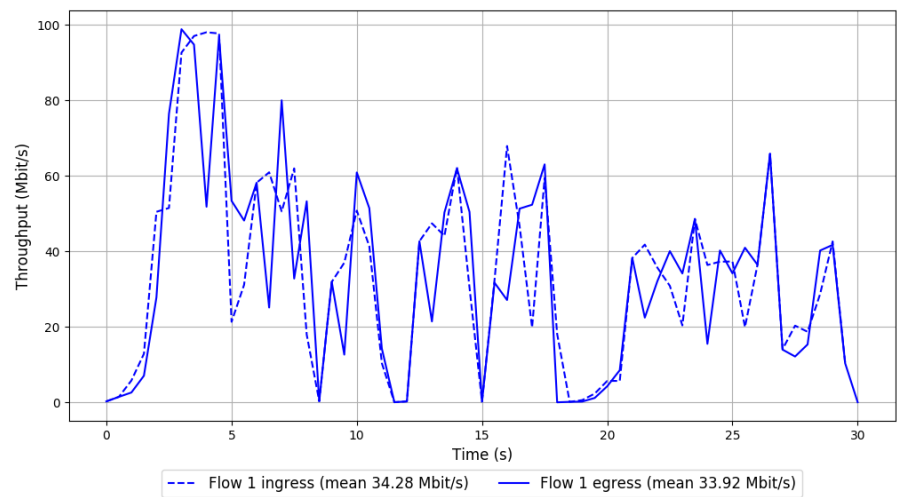
-- Flow 1:

Average throughput: 33.92 Mbit/s

95th percentile per-packet one-way delay: 144.549 ms

Loss rate: 1.05%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-31 03:34:24

End at: 2018-01-31 03:34:54

Below is generated by plot.py at 2018-01-31 06:28:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.29 Mbit/s

95th percentile per-packet one-way delay: 147.985 ms

Loss rate: 1.67%

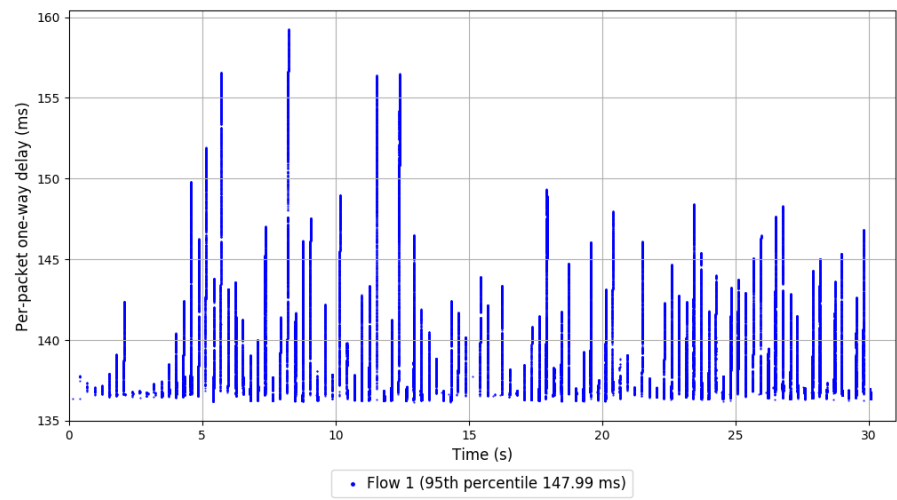
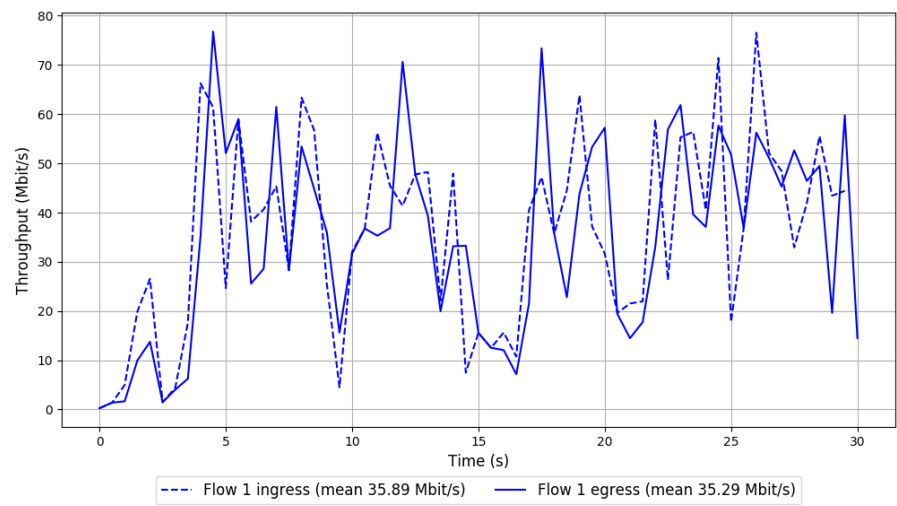
-- Flow 1:

Average throughput: 35.29 Mbit/s

95th percentile per-packet one-way delay: 147.985 ms

Loss rate: 1.67%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-31 03:50:02

End at: 2018-01-31 03:50:32

Below is generated by plot.py at 2018-01-31 06:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.35 Mbit/s

95th percentile per-packet one-way delay: 147.777 ms

Loss rate: 0.11%

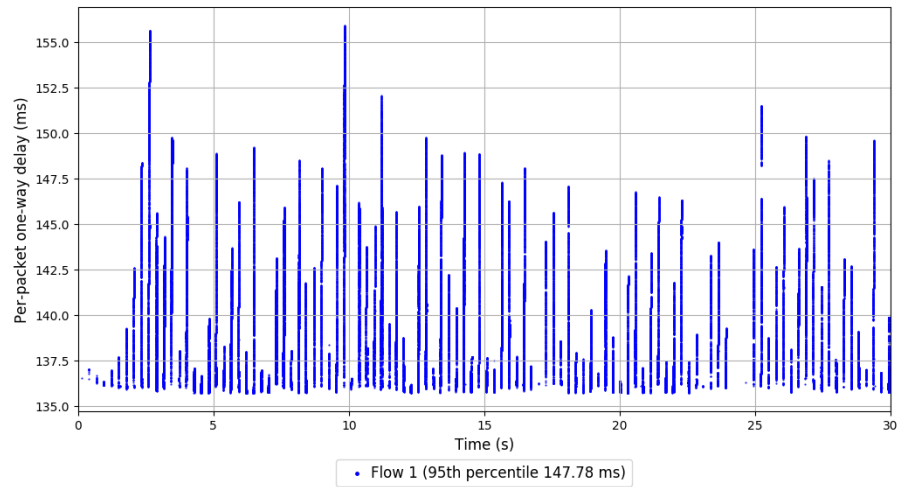
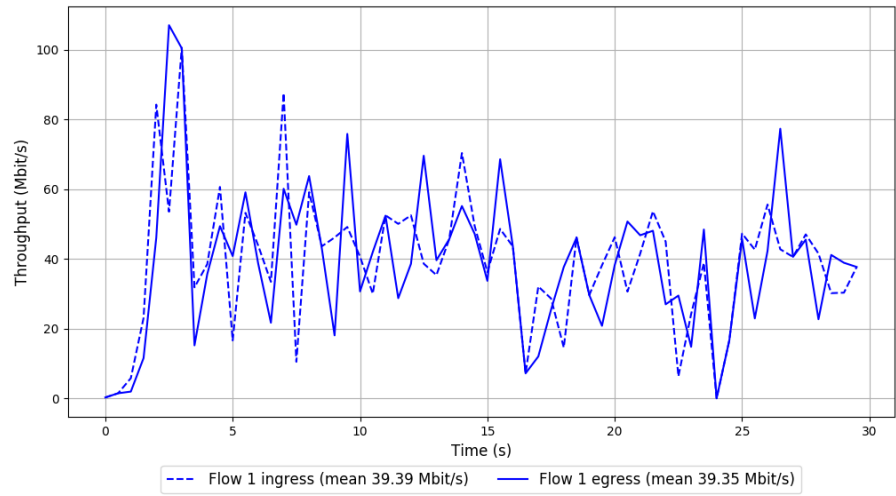
-- Flow 1:

Average throughput: 39.35 Mbit/s

95th percentile per-packet one-way delay: 147.777 ms

Loss rate: 0.11%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-31 04:04:34

End at: 2018-01-31 04:05:04

Below is generated by plot.py at 2018-01-31 06:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.22 Mbit/s

95th percentile per-packet one-way delay: 147.704 ms

Loss rate: 0.63%

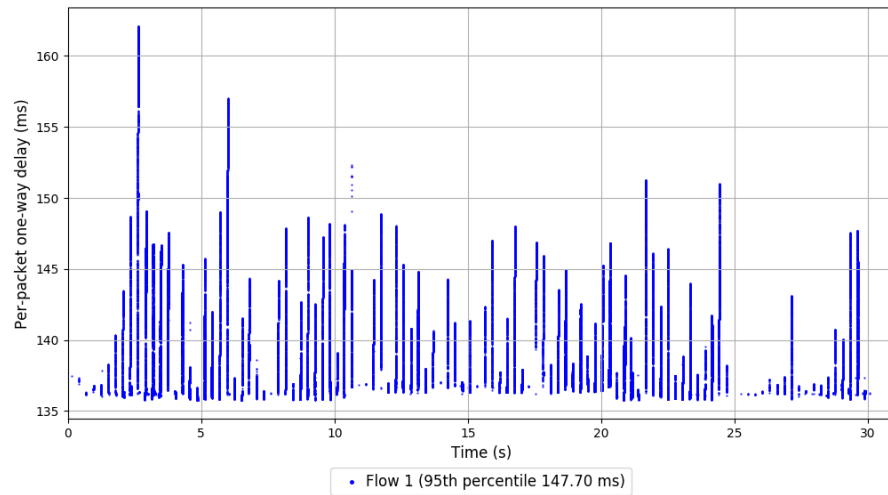
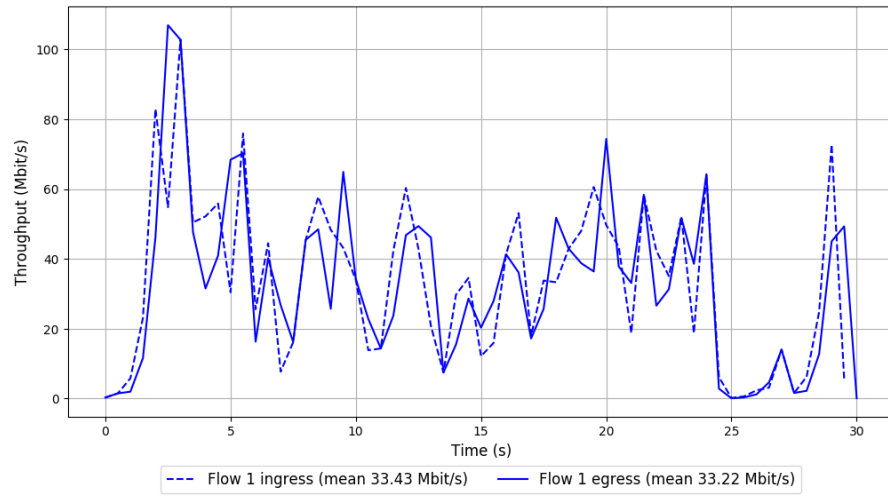
-- Flow 1:

Average throughput: 33.22 Mbit/s

95th percentile per-packet one-way delay: 147.704 ms

Loss rate: 0.63%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-31 04:19:08

End at: 2018-01-31 04:19:38

Below is generated by plot.py at 2018-01-31 06:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.28 Mbit/s

95th percentile per-packet one-way delay: 151.411 ms

Loss rate: 2.29%

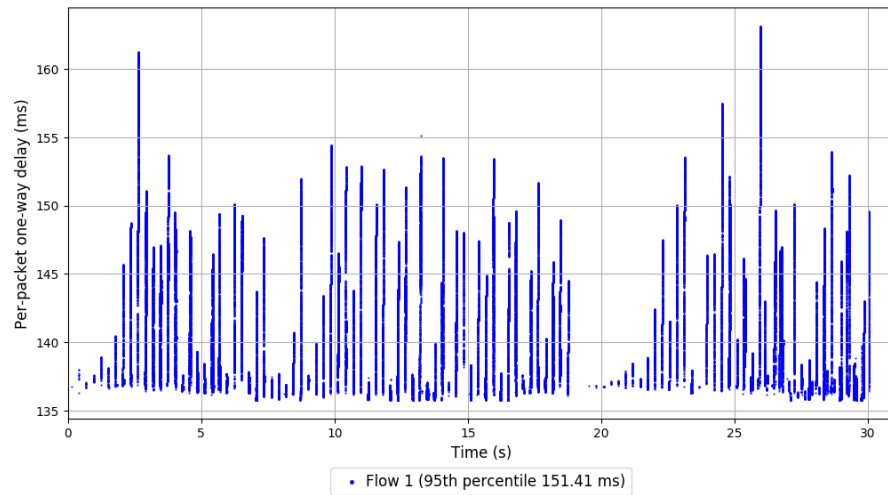
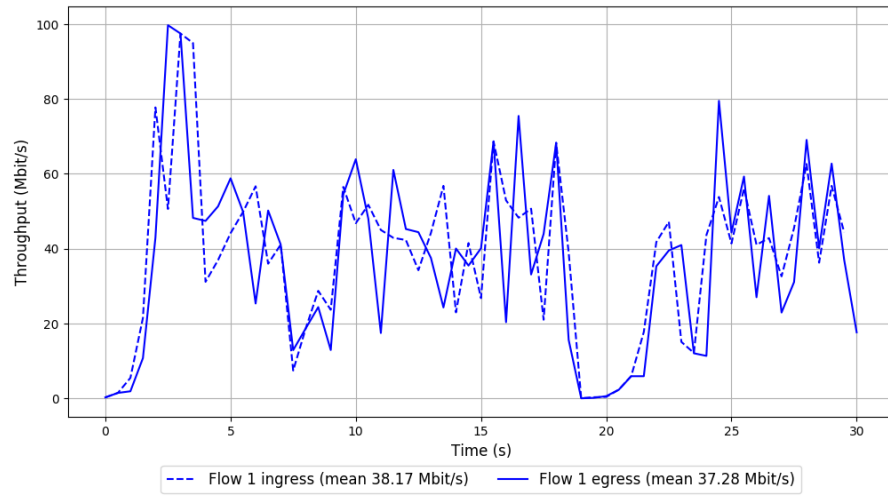
-- Flow 1:

Average throughput: 37.28 Mbit/s

95th percentile per-packet one-way delay: 151.411 ms

Loss rate: 2.29%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-31 04:34:16

End at: 2018-01-31 04:34:46

Below is generated by plot.py at 2018-01-31 06:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.15 Mbit/s

95th percentile per-packet one-way delay: 144.672 ms

Loss rate: 2.00%

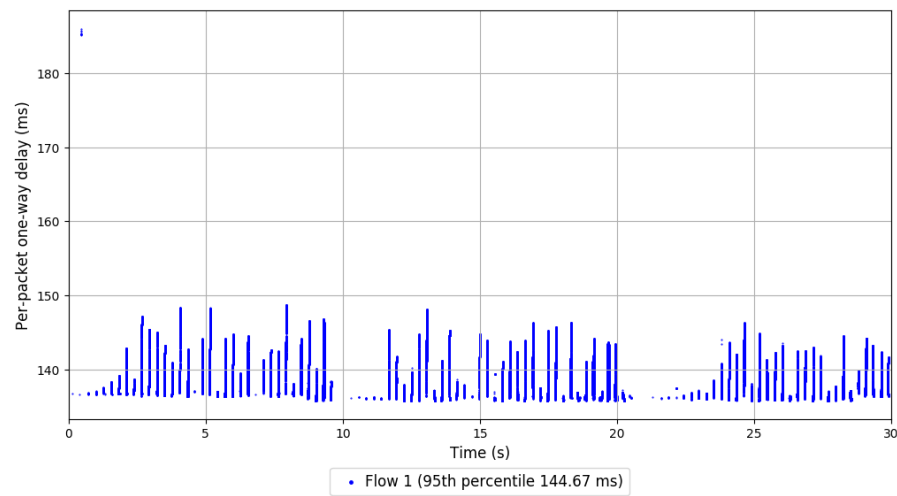
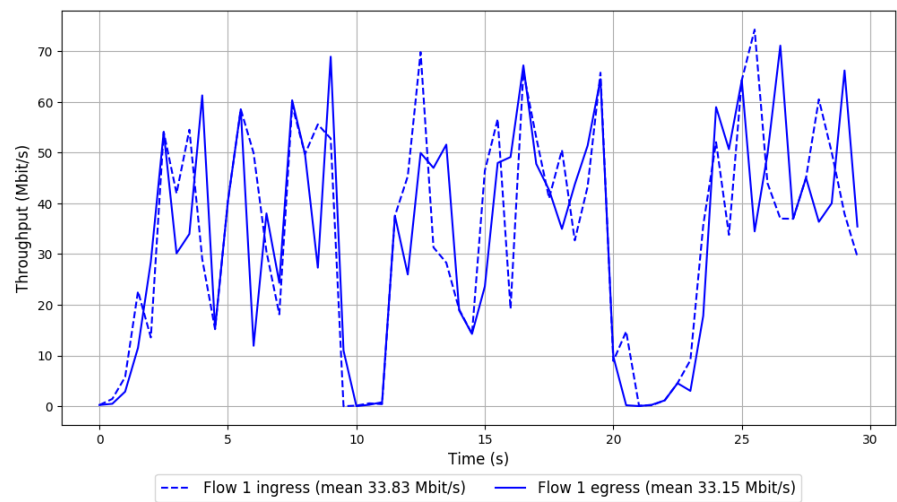
-- Flow 1:

Average throughput: 33.15 Mbit/s

95th percentile per-packet one-way delay: 144.672 ms

Loss rate: 2.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-31 04:49:18

End at: 2018-01-31 04:49:48

Below is generated by plot.py at 2018-01-31 06:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.26 Mbit/s

95th percentile per-packet one-way delay: 151.557 ms

Loss rate: 1.96%

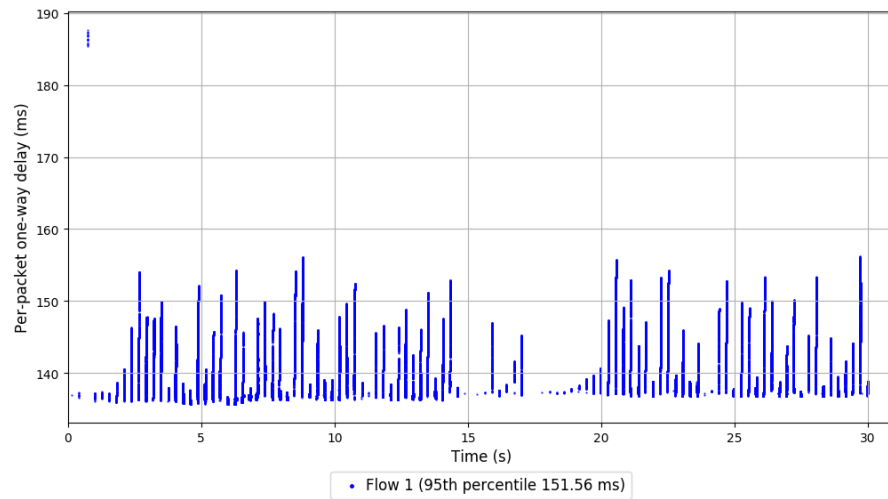
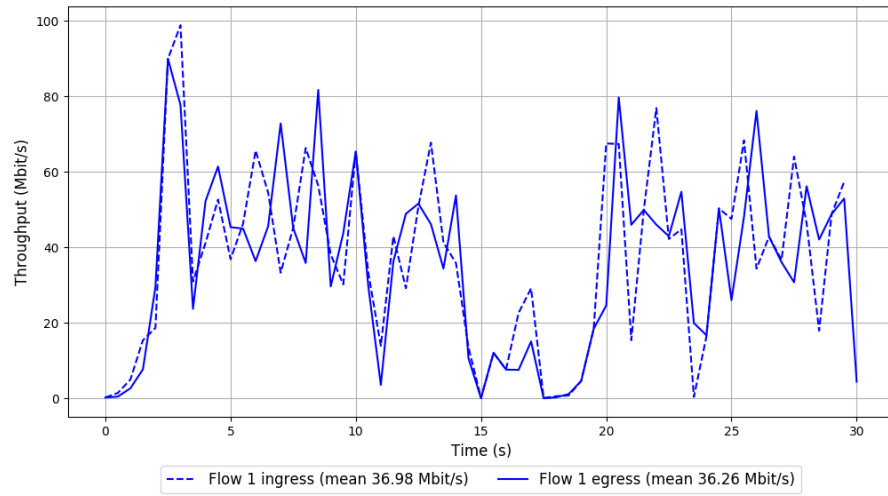
-- Flow 1:

Average throughput: 36.26 Mbit/s

95th percentile per-packet one-way delay: 151.557 ms

Loss rate: 1.96%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-31 05:03:57

End at: 2018-01-31 05:04:27

Below is generated by plot.py at 2018-01-31 06:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.83 Mbit/s

95th percentile per-packet one-way delay: 167.187 ms

Loss rate: 0.12%

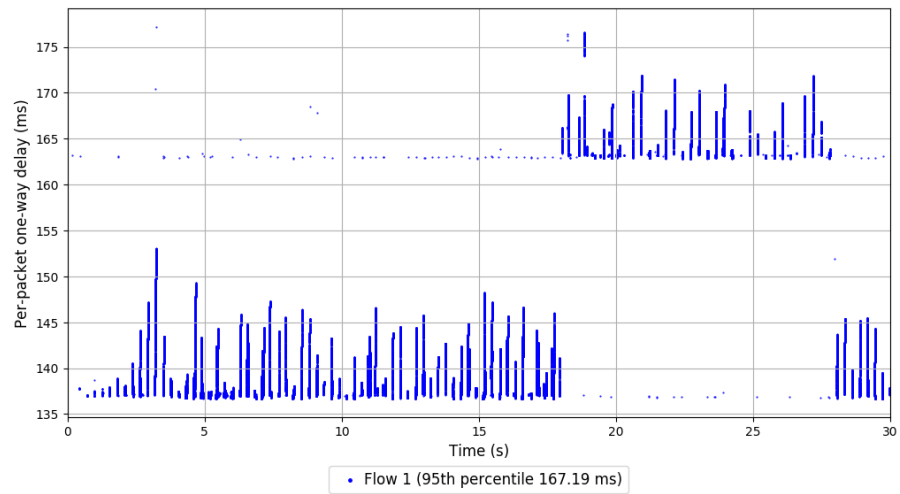
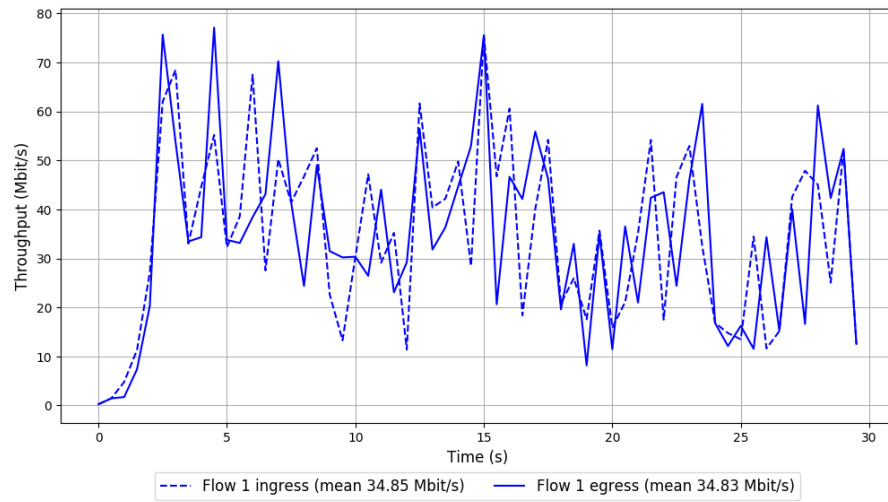
-- Flow 1:

Average throughput: 34.83 Mbit/s

95th percentile per-packet one-way delay: 167.187 ms

Loss rate: 0.12%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-31 05:18:39

End at: 2018-01-31 05:19:09

Below is generated by plot.py at 2018-01-31 06:28:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.86 Mbit/s

95th percentile per-packet one-way delay: 174.086 ms

Loss rate: 1.60%

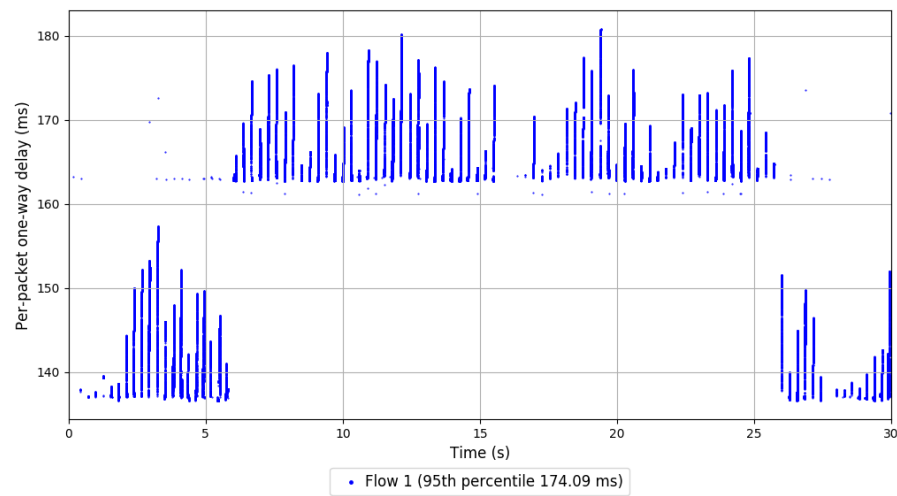
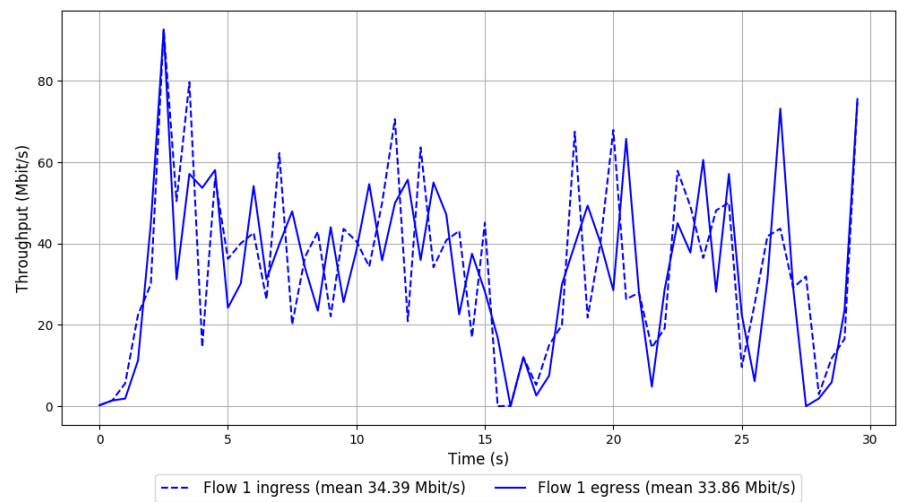
-- Flow 1:

Average throughput: 33.86 Mbit/s

95th percentile per-packet one-way delay: 174.086 ms

Loss rate: 1.60%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-31 05:33:30

End at: 2018-01-31 05:34:00

Below is generated by plot.py at 2018-01-31 06:28:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.22 Mbit/s

95th percentile per-packet one-way delay: 170.757 ms

Loss rate: 0.44%

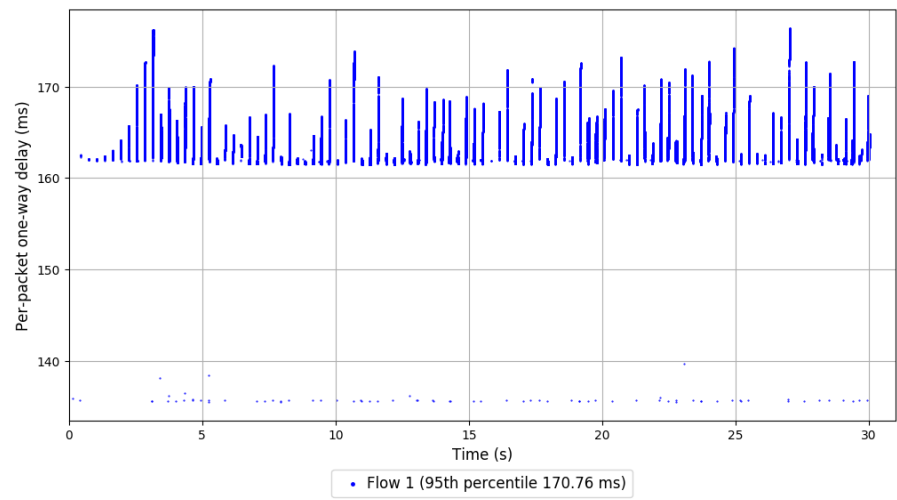
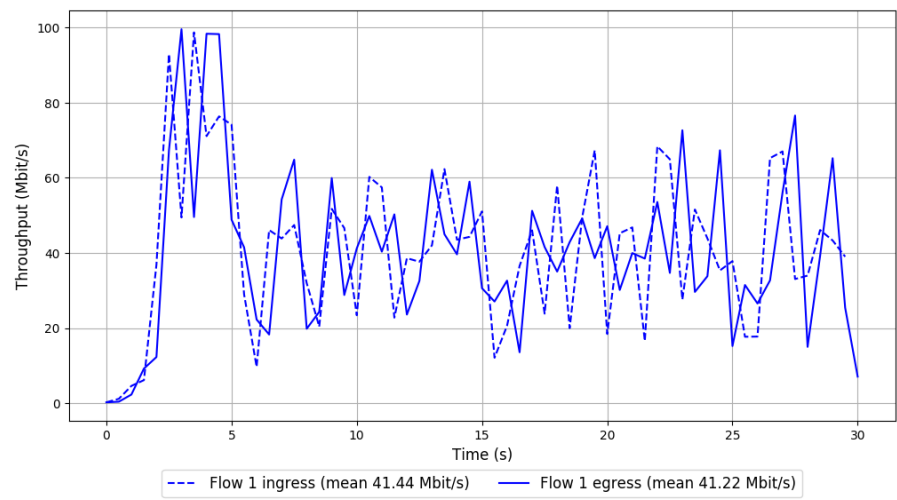
-- Flow 1:

Average throughput: 41.22 Mbit/s

95th percentile per-packet one-way delay: 170.757 ms

Loss rate: 0.44%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-31 03:26:53

End at: 2018-01-31 03:27:23

Below is generated by plot.py at 2018-01-31 06:28:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 141.098 ms

Loss rate: 0.01%

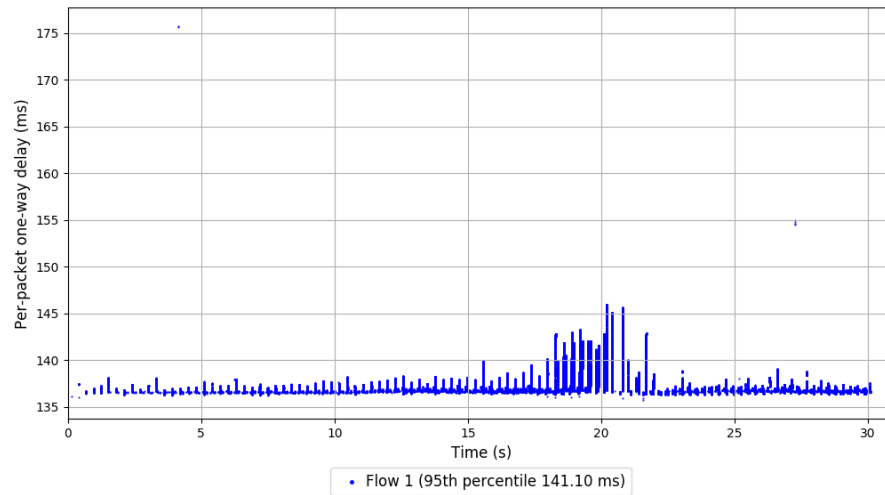
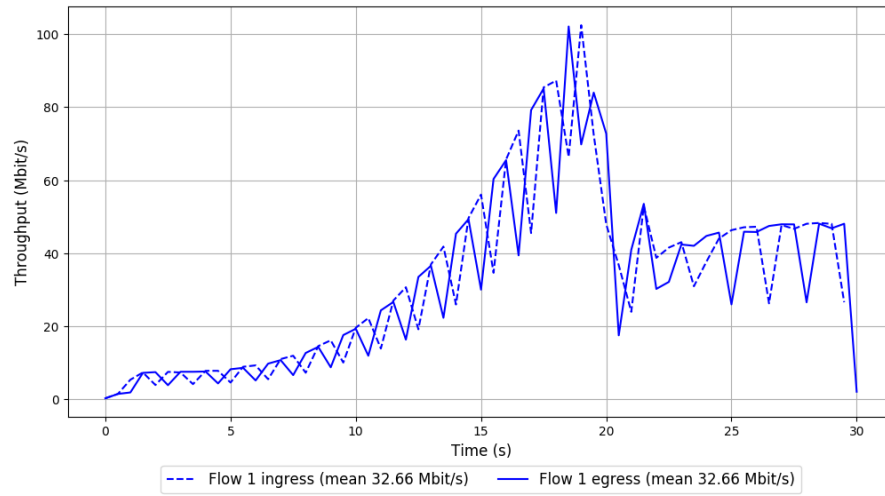
-- Flow 1:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 141.098 ms

Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-31 03:42:19

End at: 2018-01-31 03:42:49

Below is generated by plot.py at 2018-01-31 06:28:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 144.825 ms

Loss rate: 0.05%

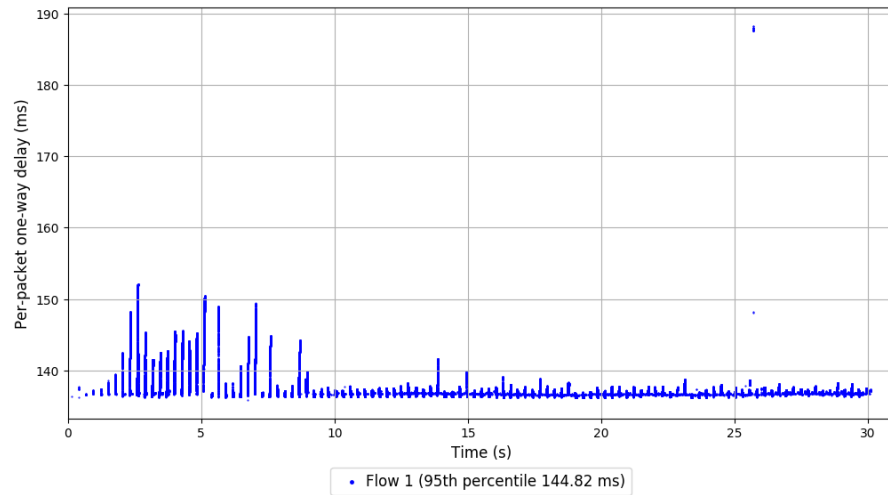
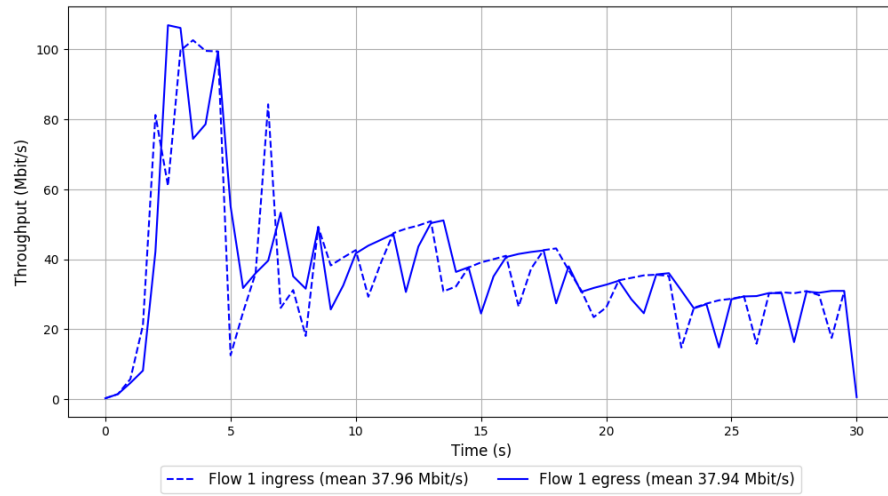
-- Flow 1:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 144.825 ms

Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-31 03:57:07

End at: 2018-01-31 03:57:37

Below is generated by plot.py at 2018-01-31 06:28:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.67 Mbit/s

95th percentile per-packet one-way delay: 143.325 ms

Loss rate: 0.10%

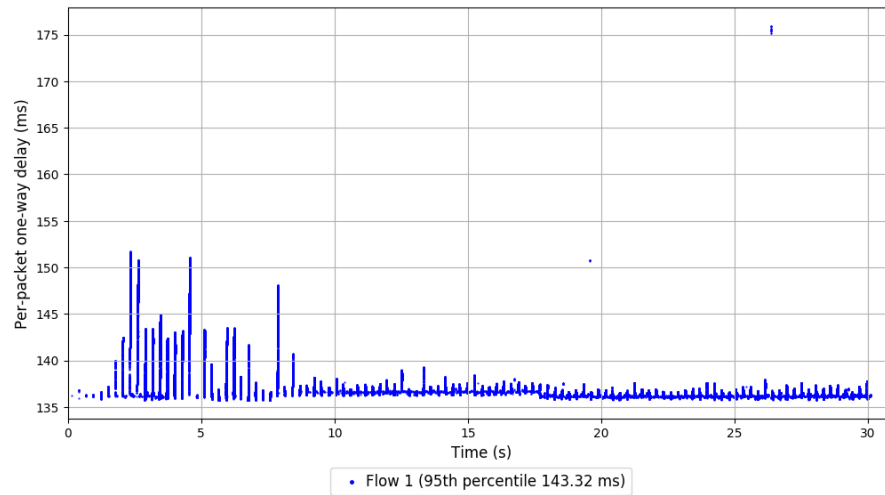
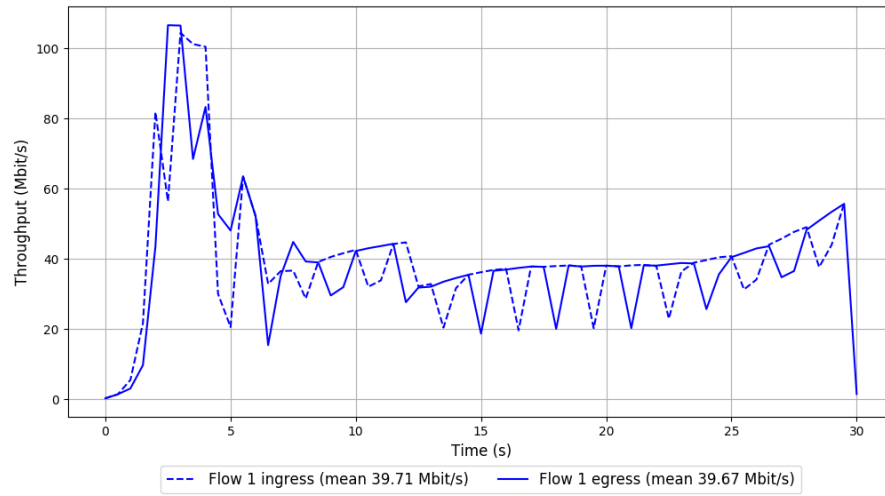
-- Flow 1:

Average throughput: 39.67 Mbit/s

95th percentile per-packet one-way delay: 143.325 ms

Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-31 04:11:43

End at: 2018-01-31 04:12:13

Below is generated by plot.py at 2018-01-31 06:28:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.97 Mbit/s

95th percentile per-packet one-way delay: 139.743 ms

Loss rate: 0.02%

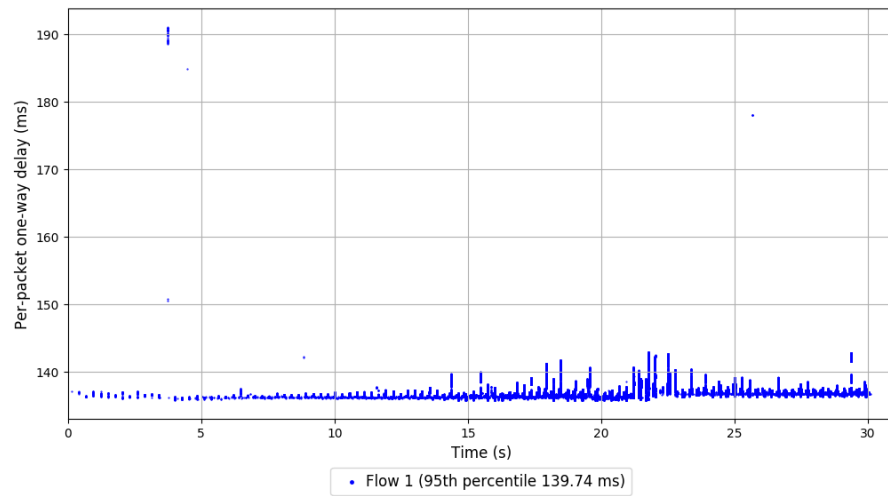
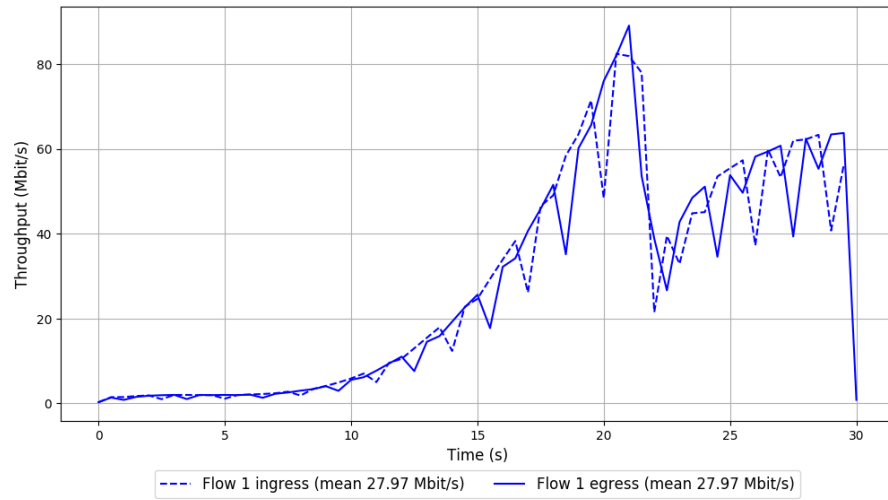
-- Flow 1:

Average throughput: 27.97 Mbit/s

95th percentile per-packet one-way delay: 139.743 ms

Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-31 04:26:50

End at: 2018-01-31 04:27:20

Below is generated by plot.py at 2018-01-31 06:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.05 Mbit/s

95th percentile per-packet one-way delay: 141.100 ms

Loss rate: 0.00%

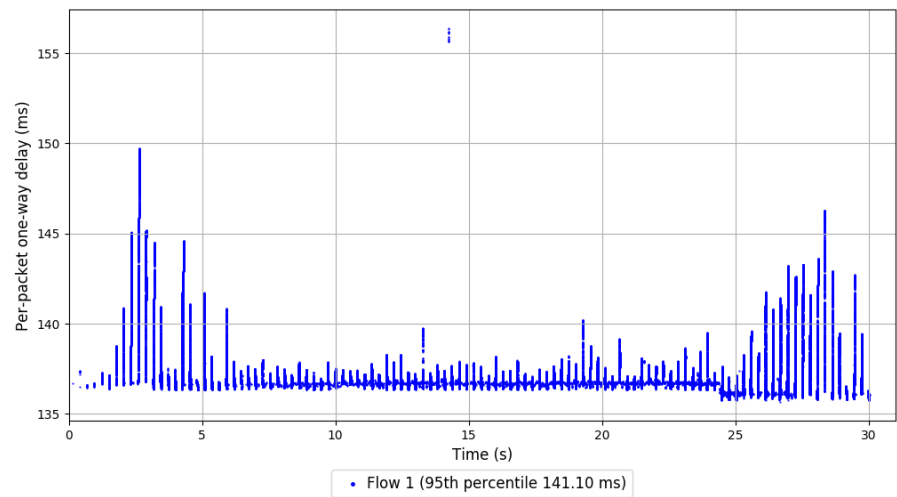
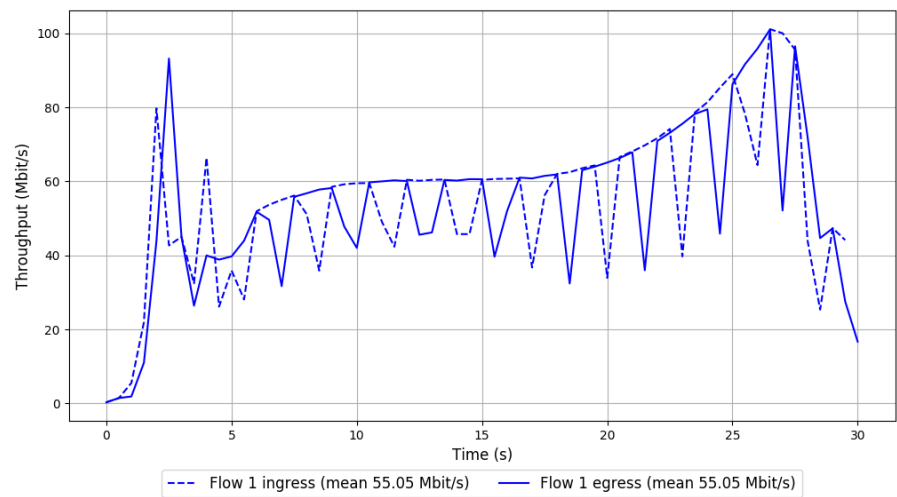
-- Flow 1:

Average throughput: 55.05 Mbit/s

95th percentile per-packet one-way delay: 141.100 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-31 04:41:48

End at: 2018-01-31 04:42:18

Below is generated by plot.py at 2018-01-31 06:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.53 Mbit/s

95th percentile per-packet one-way delay: 140.519 ms

Loss rate: 0.83%

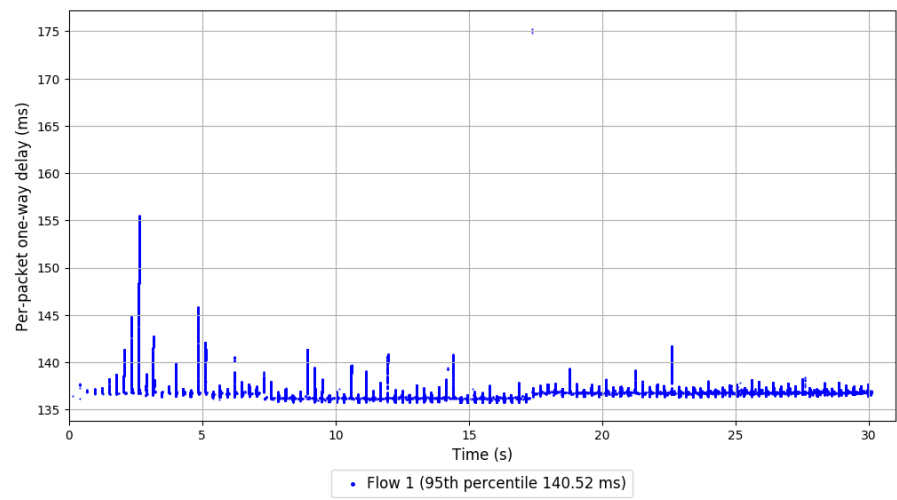
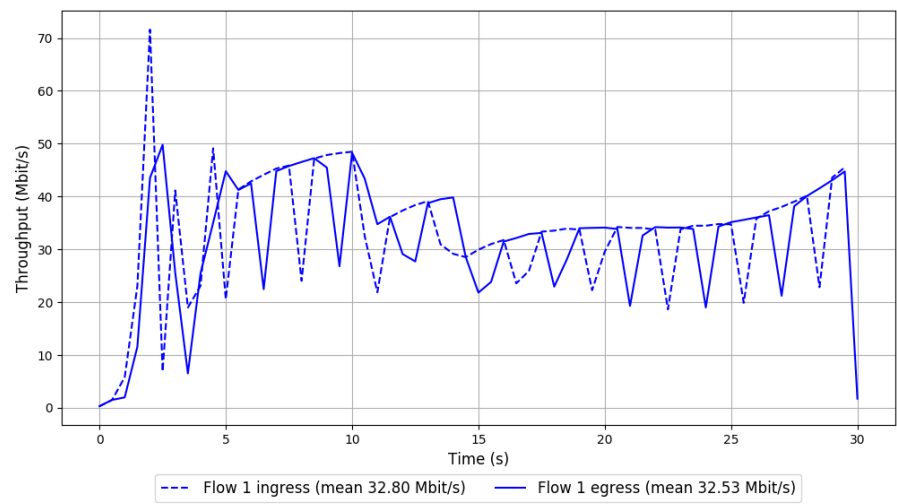
-- Flow 1:

Average throughput: 32.53 Mbit/s

95th percentile per-packet one-way delay: 140.519 ms

Loss rate: 0.83%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-31 04:56:35

End at: 2018-01-31 04:57:05

Below is generated by plot.py at 2018-01-31 06:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.93 Mbit/s

95th percentile per-packet one-way delay: 166.519 ms

Loss rate: 0.01%

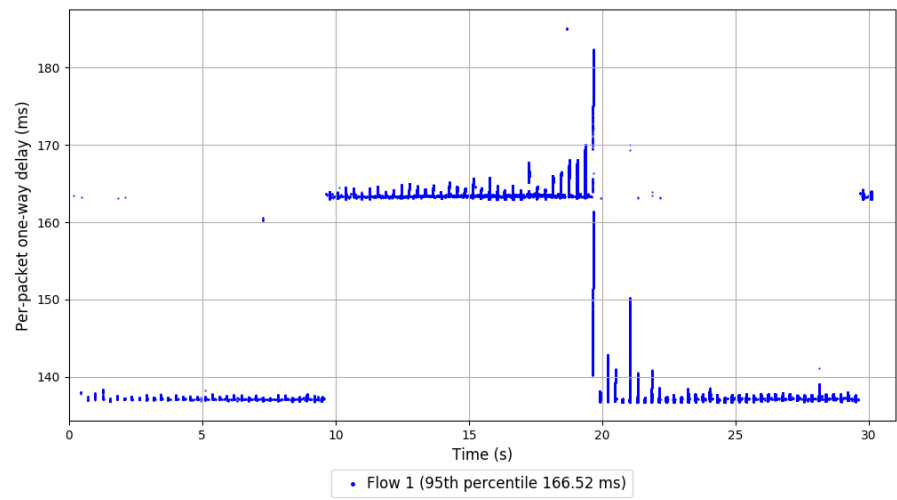
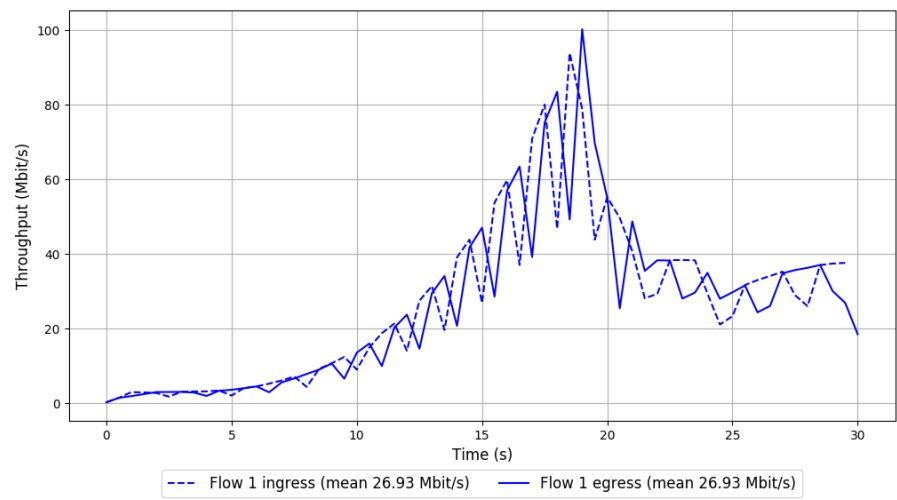
-- Flow 1:

Average throughput: 26.93 Mbit/s

95th percentile per-packet one-way delay: 166.519 ms

Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-31 05:11:43

End at: 2018-01-31 05:12:13

Below is generated by plot.py at 2018-01-31 06:29:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 163.929 ms

Loss rate: 2.44%

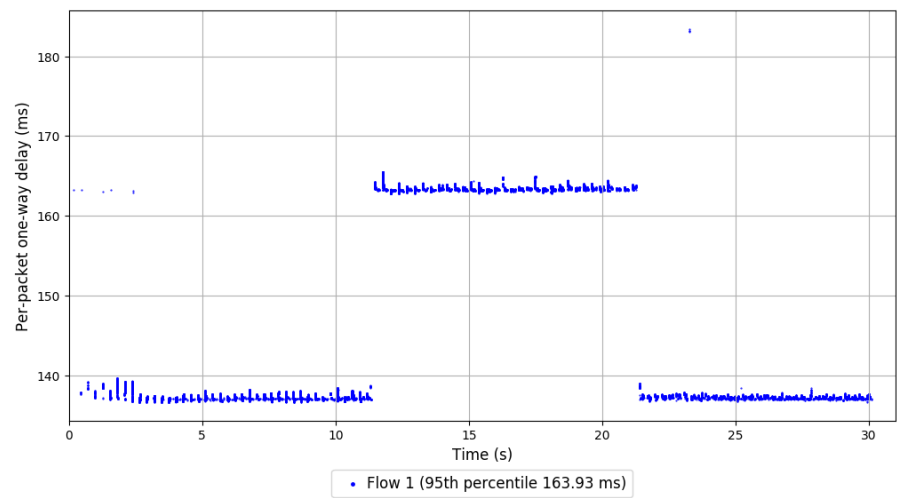
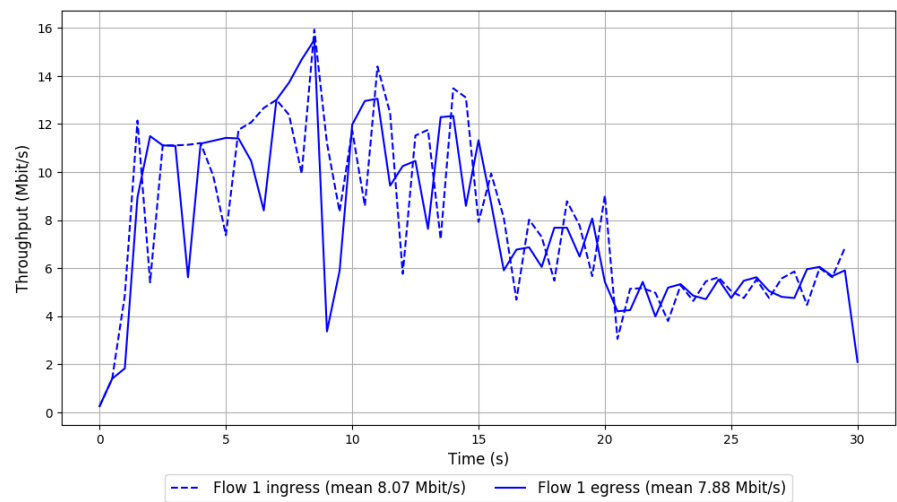
-- Flow 1:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 163.929 ms

Loss rate: 2.44%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-31 05:26:26

End at: 2018-01-31 05:26:56

Below is generated by plot.py at 2018-01-31 06:29:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.17 Mbit/s

95th percentile per-packet one-way delay: 144.570 ms

Loss rate: 0.00%

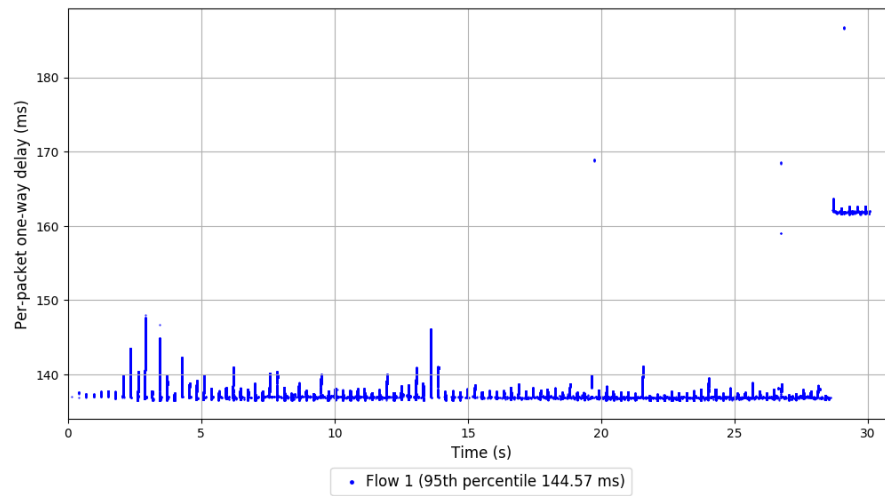
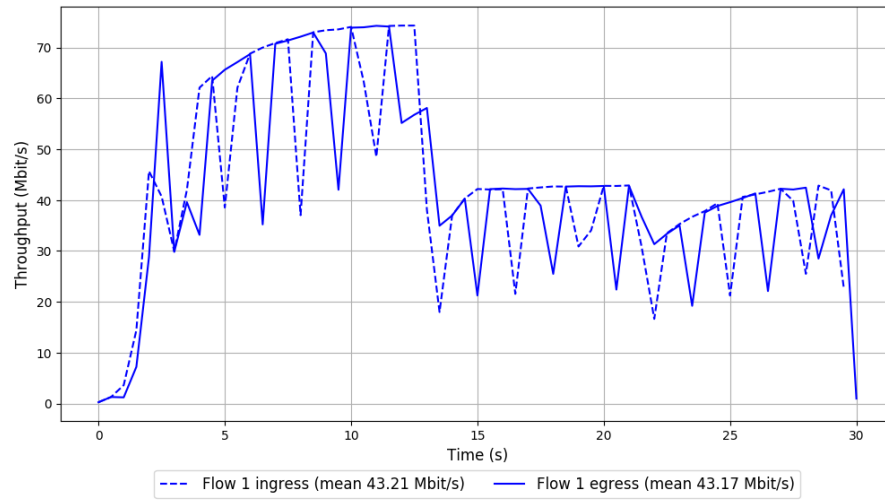
-- Flow 1:

Average throughput: 43.17 Mbit/s

95th percentile per-packet one-way delay: 144.570 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-31 05:41:29

End at: 2018-01-31 05:41:59

Below is generated by plot.py at 2018-01-31 06:29:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.05 Mbit/s

95th percentile per-packet one-way delay: 166.279 ms

Loss rate: 0.10%

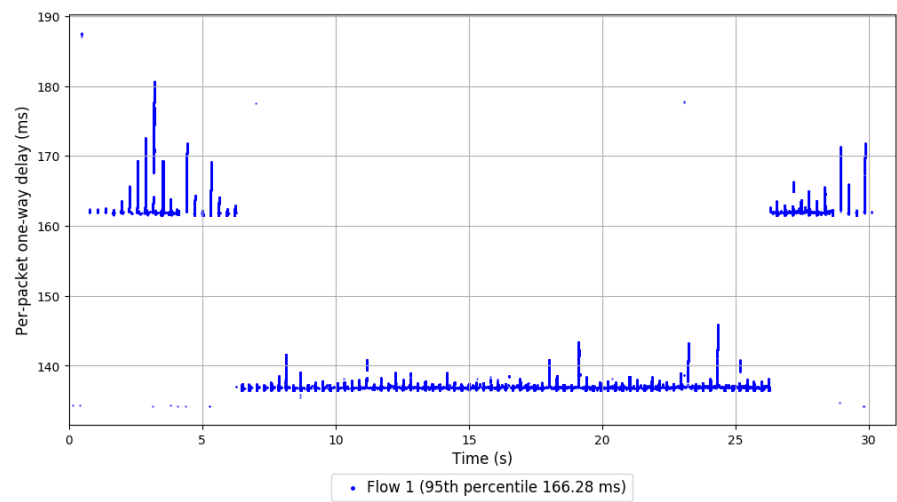
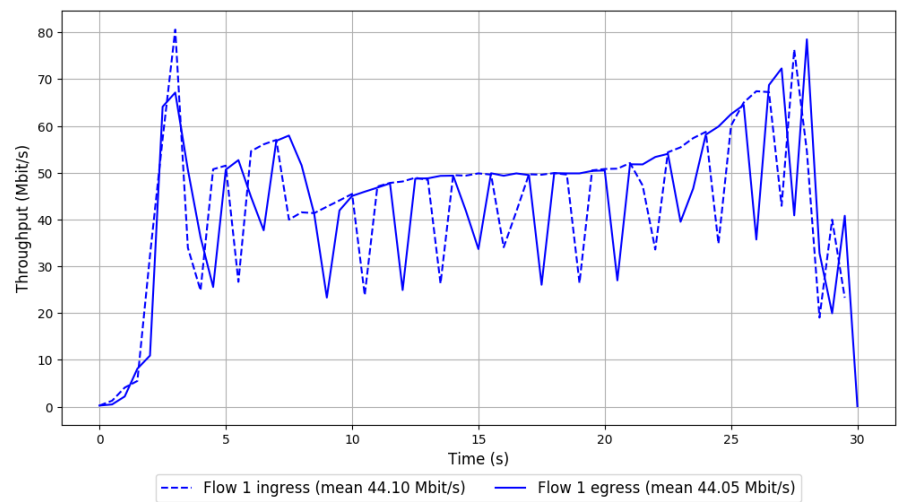
-- Flow 1:

Average throughput: 44.05 Mbit/s

95th percentile per-packet one-way delay: 166.279 ms

Loss rate: 0.10%

Run 10: Report of TCP Cubic — Data Link

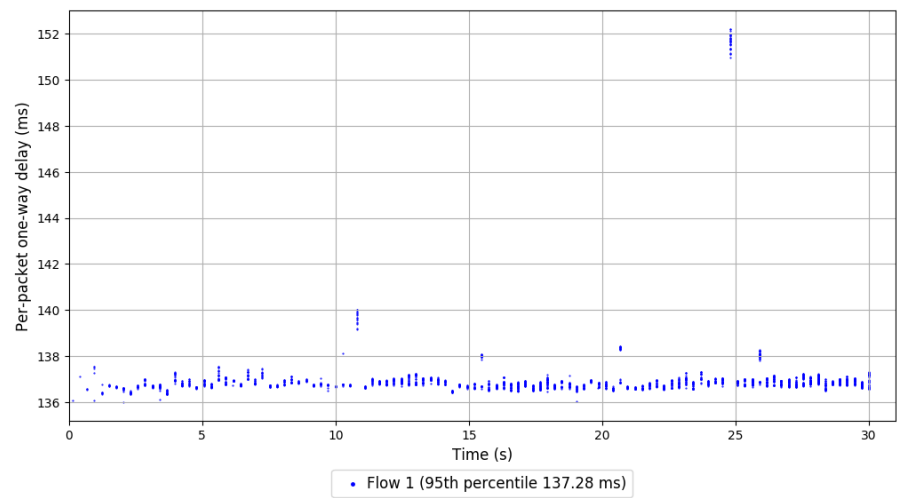
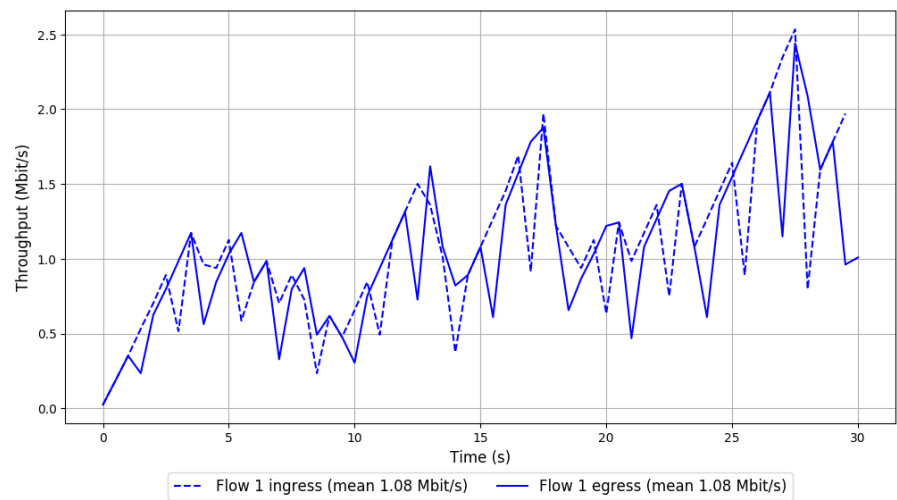


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-31 03:26:11
End at: 2018-01-31 03:26:41

# Below is generated by plot.py at 2018-01-31 06:29:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 137.276 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 137.276 ms
Loss rate: 0.14%
```


Run 1: Report of LEDBAT — Data Link

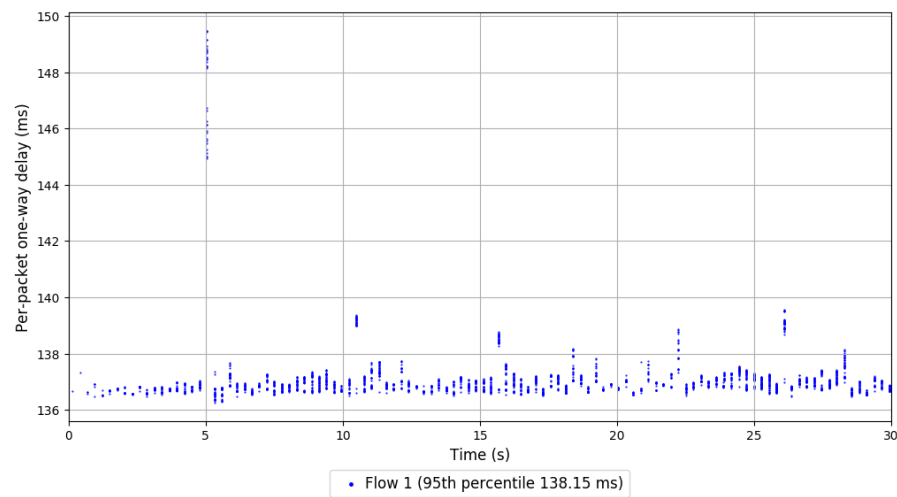
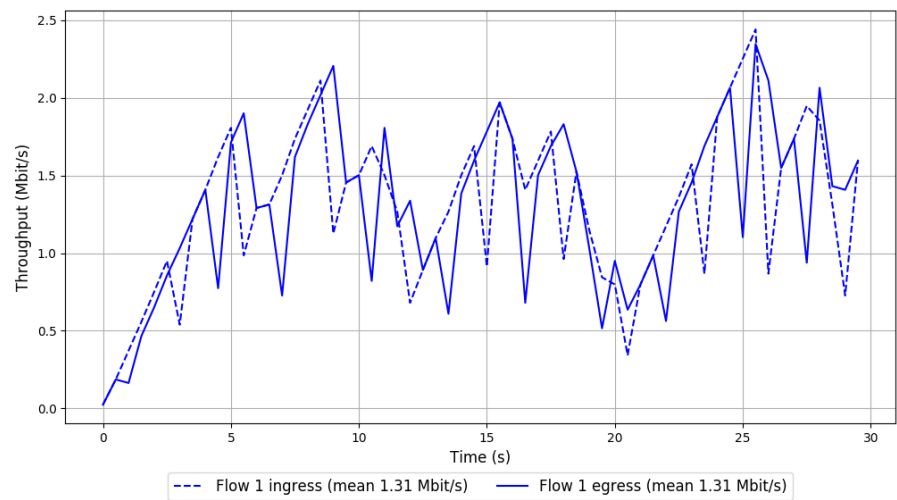


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-31 03:41:37
End at: 2018-01-31 03:42:07

# Below is generated by plot.py at 2018-01-31 06:29:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 138.146 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 138.146 ms
Loss rate: 0.09%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-31 03:56:25

End at: 2018-01-31 03:56:55

Below is generated by plot.py at 2018-01-31 06:29:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 137.780 ms

Loss rate: 0.00%

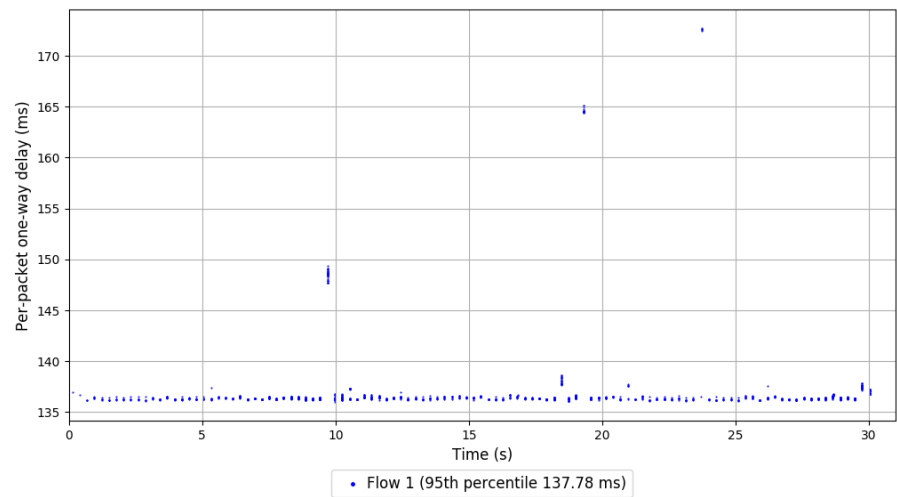
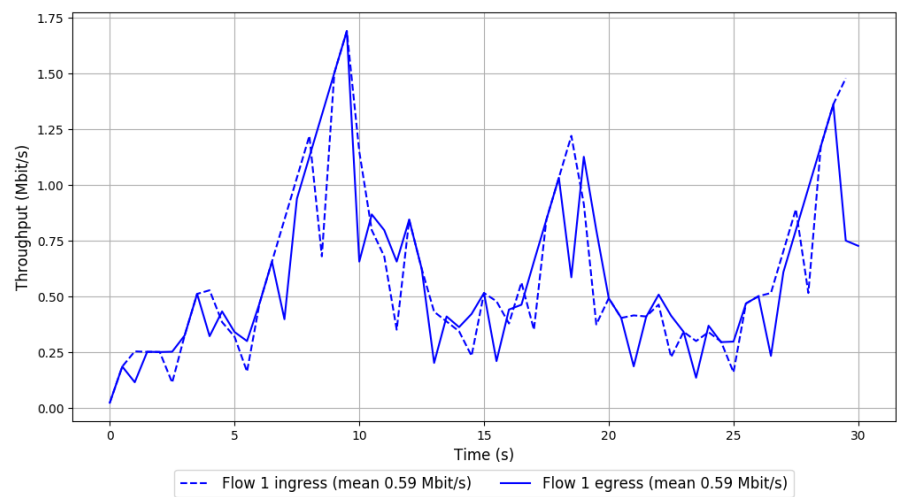
-- Flow 1:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 137.780 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-31 04:11:01

End at: 2018-01-31 04:11:31

Below is generated by plot.py at 2018-01-31 06:29:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 137.442 ms

Loss rate: 2.84%

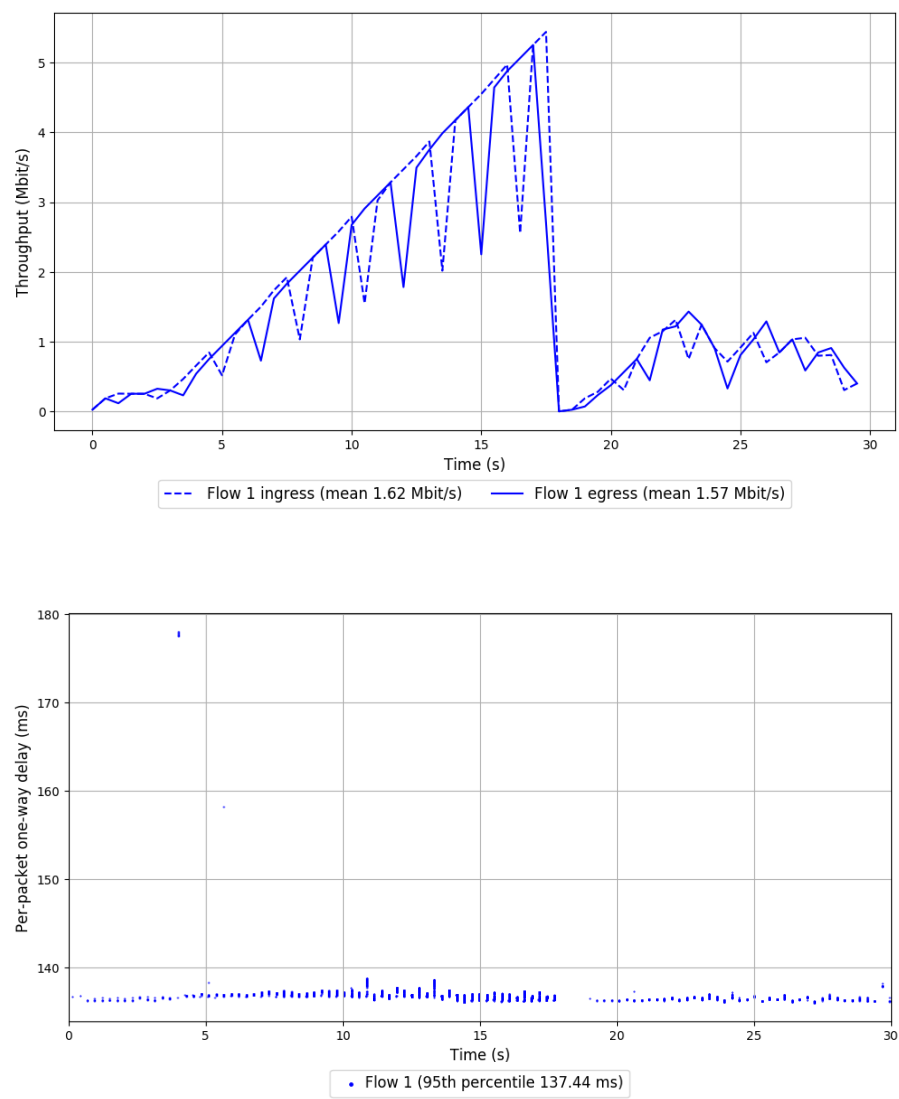
-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 137.442 ms

Loss rate: 2.84%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-31 04:26:09

End at: 2018-01-31 04:26:39

Below is generated by plot.py at 2018-01-31 06:29:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

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

Loss rate: 0.00%

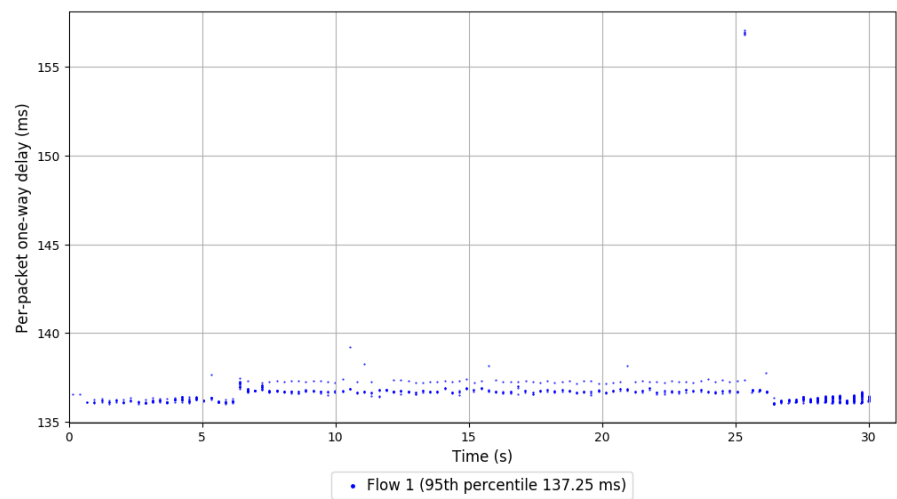
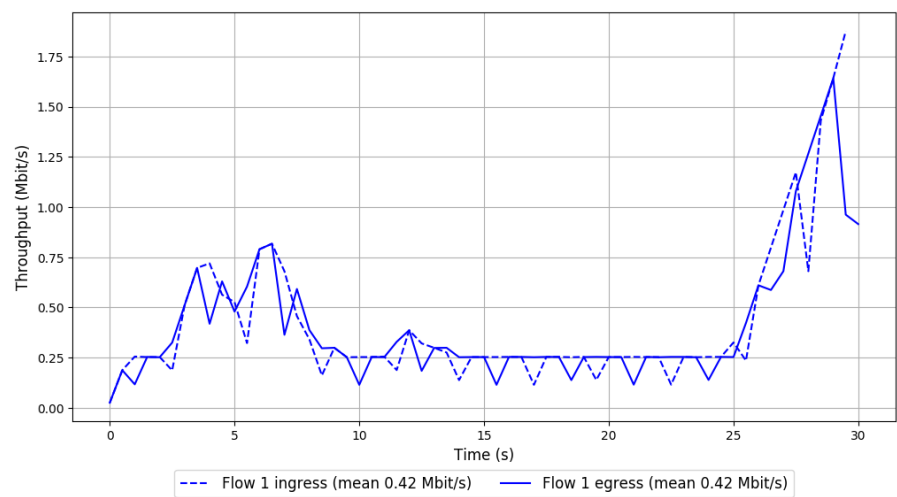
-- Flow 1:

Average throughput: 0.42 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-31 04:41:05

End at: 2018-01-31 04:41:35

Below is generated by plot.py at 2018-01-31 06:29:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 137.331 ms

Loss rate: 0.00%

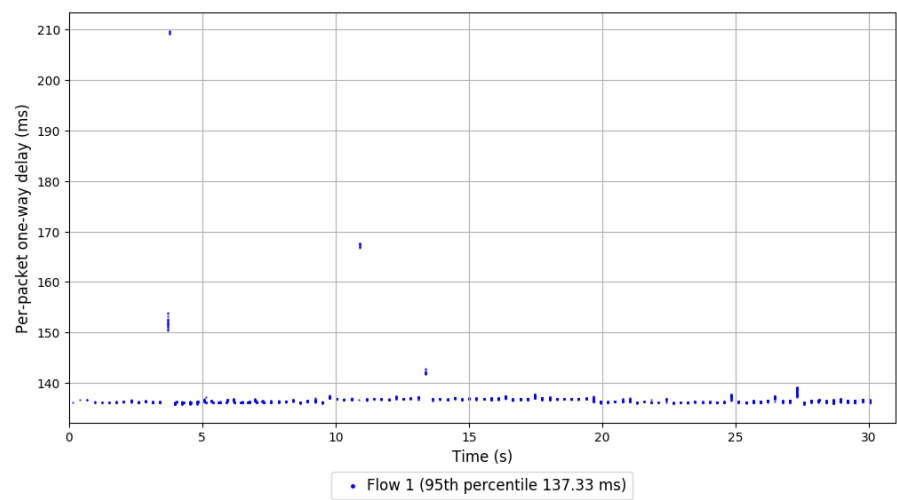
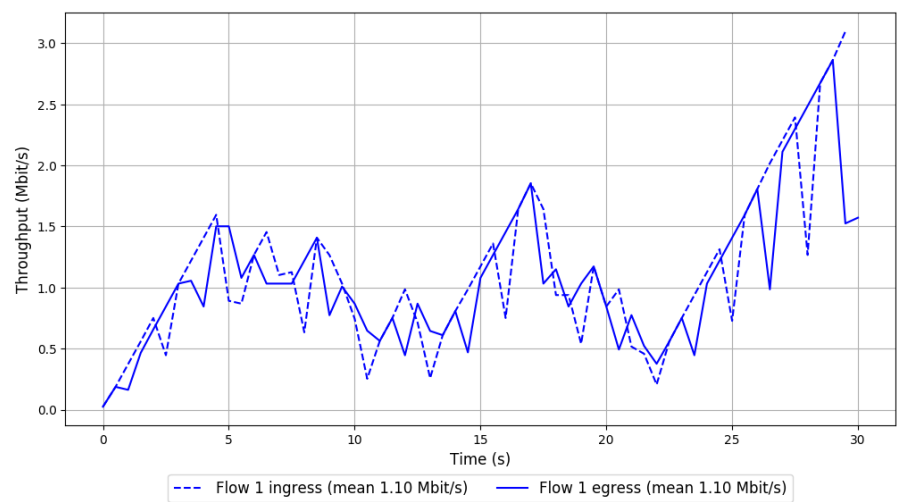
-- Flow 1:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 137.331 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-31 04:55:53

End at: 2018-01-31 04:56:23

Below is generated by plot.py at 2018-01-31 06:29:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 163.812 ms

Loss rate: 1.41%

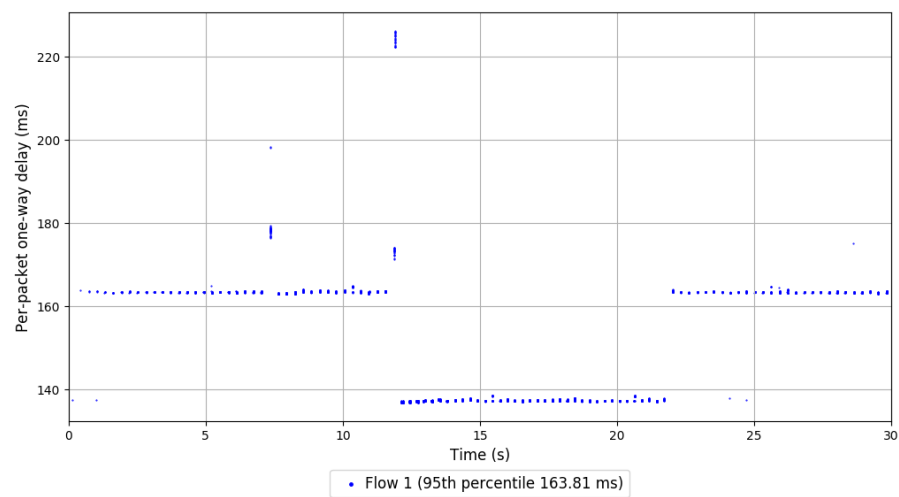
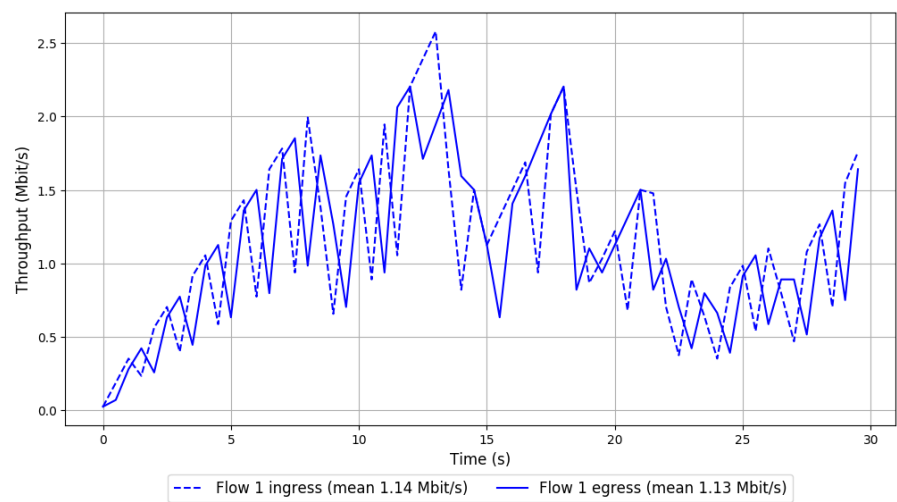
-- Flow 1:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 163.812 ms

Loss rate: 1.41%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-31 05:11:01

End at: 2018-01-31 05:11:31

Below is generated by plot.py at 2018-01-31 06:29:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 163.865 ms

Loss rate: 0.00%

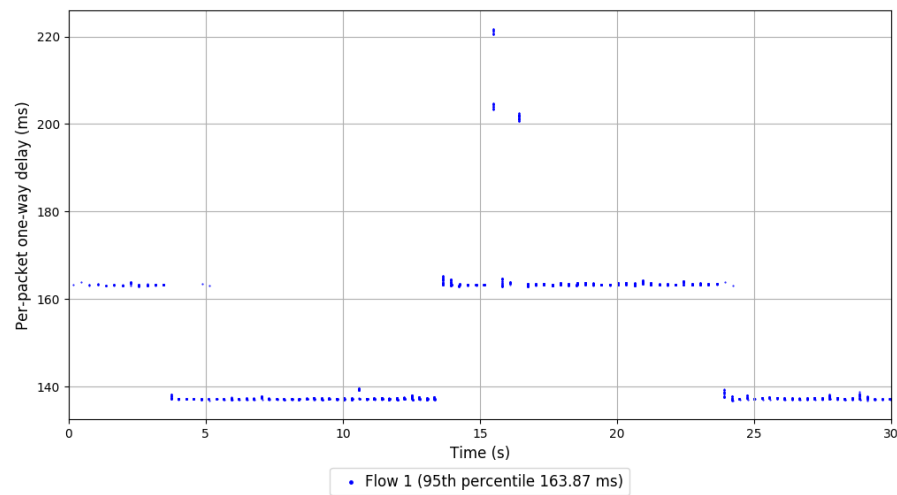
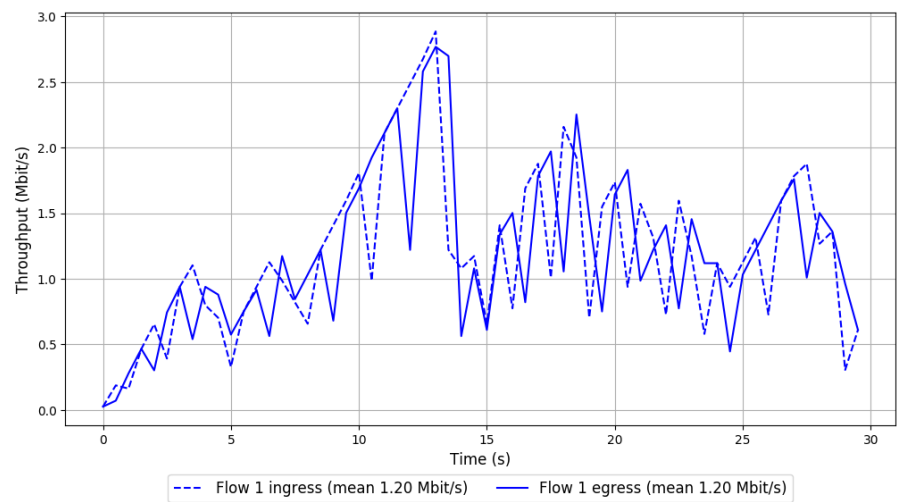
-- Flow 1:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 163.865 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-31 05:25:44

End at: 2018-01-31 05:26:14

Below is generated by plot.py at 2018-01-31 06:29:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 162.413 ms

Loss rate: 0.00%

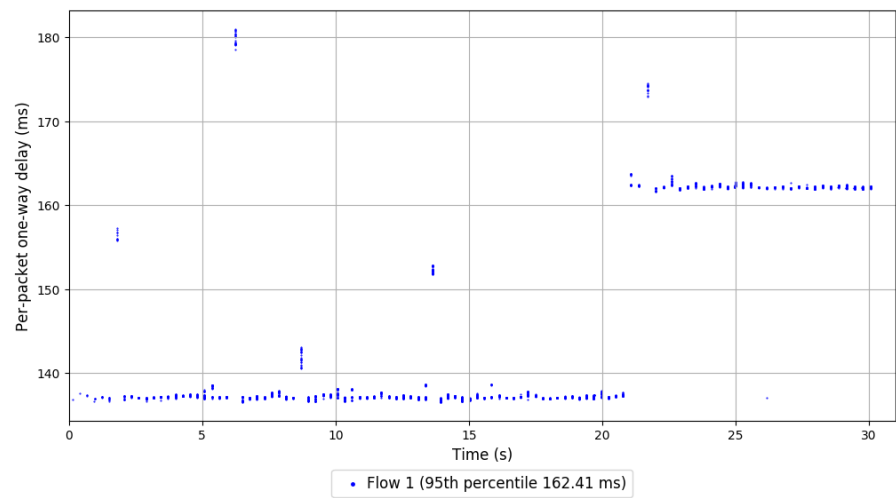
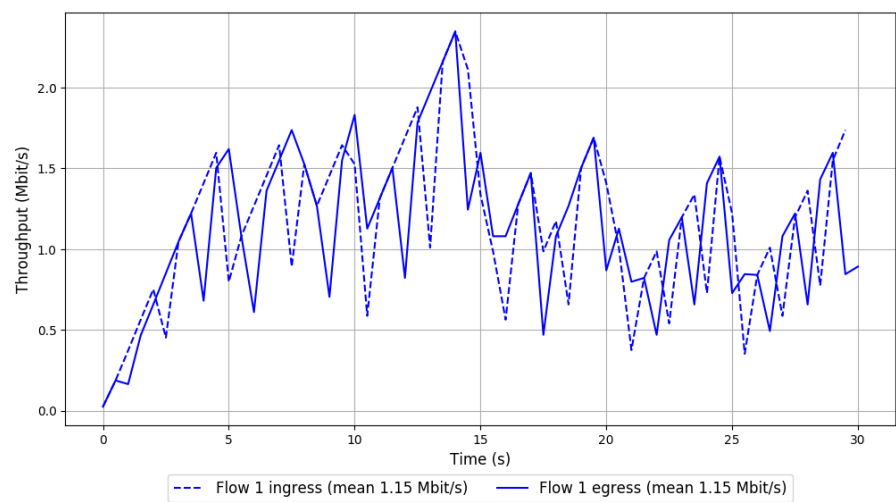
-- Flow 1:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 162.413 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-31 05:40:46

End at: 2018-01-31 05:41:16

Below is generated by plot.py at 2018-01-31 06:29:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 162.252 ms

Loss rate: 0.00%

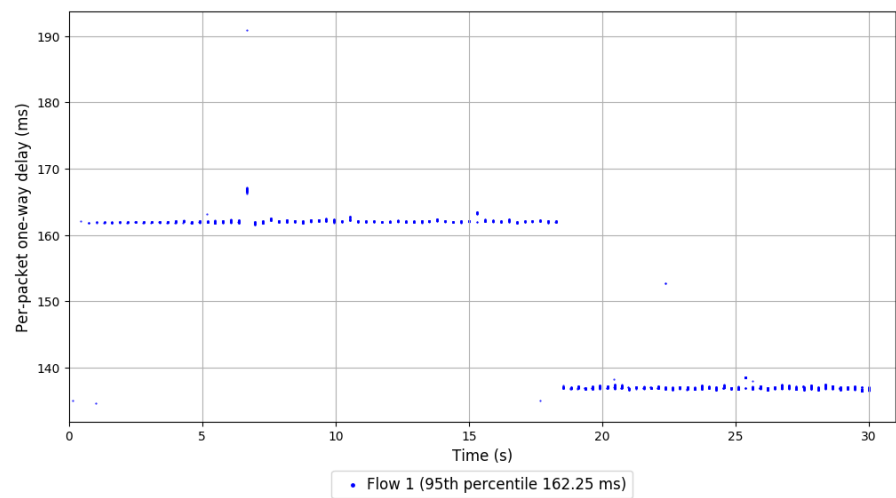
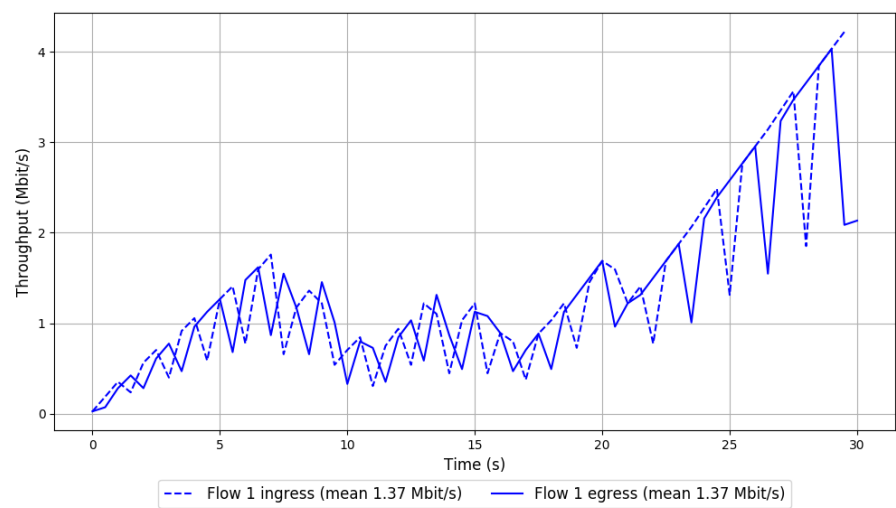
-- Flow 1:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 162.252 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

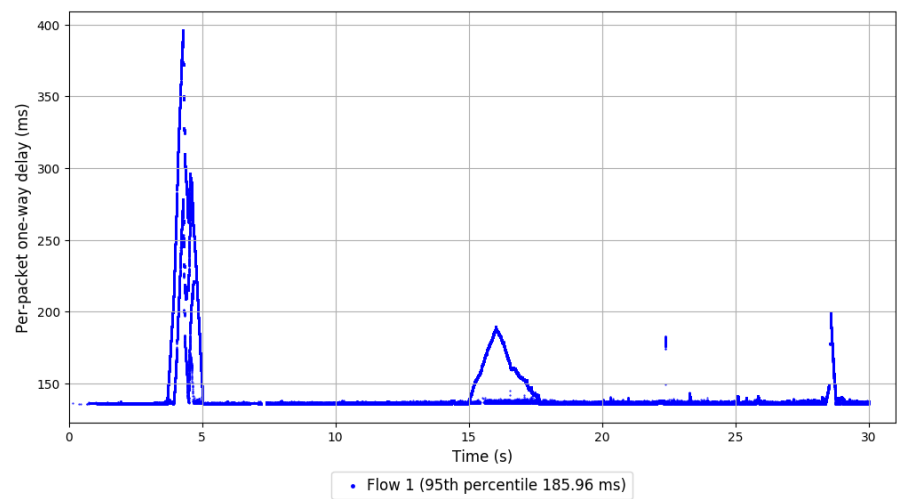
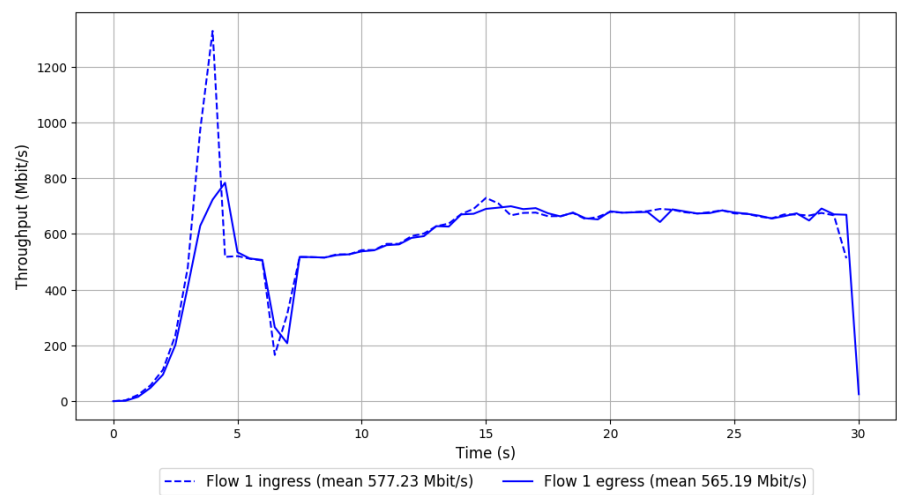


```
Run 1: Statistics of PCC

Start at: 2018-01-31 03:13:12
End at: 2018-01-31 03:13:42

# Below is generated by plot.py at 2018-01-31 06:37:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 565.19 Mbit/s
95th percentile per-packet one-way delay: 185.958 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 565.19 Mbit/s
95th percentile per-packet one-way delay: 185.958 ms
Loss rate: 2.08%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-31 03:28:28

End at: 2018-01-31 03:28:58

Below is generated by plot.py at 2018-01-31 06:37:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 567.22 Mbit/s

95th percentile per-packet one-way delay: 186.505 ms

Loss rate: 1.89%

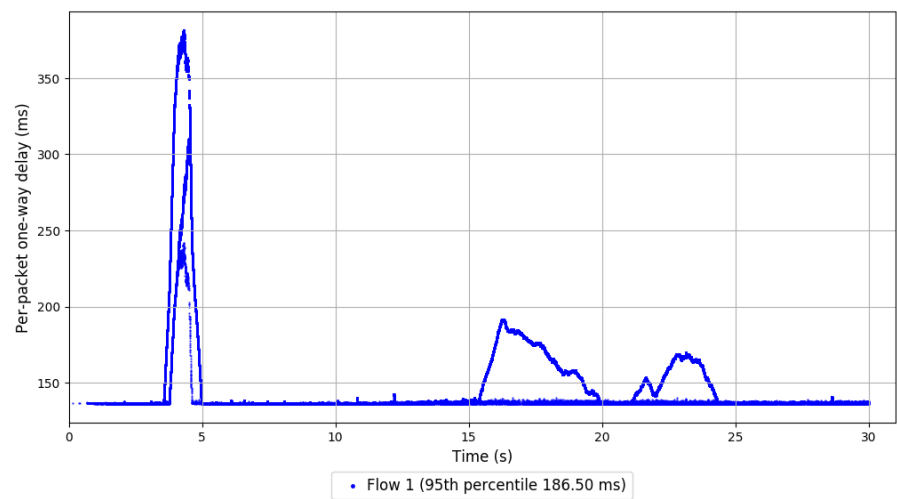
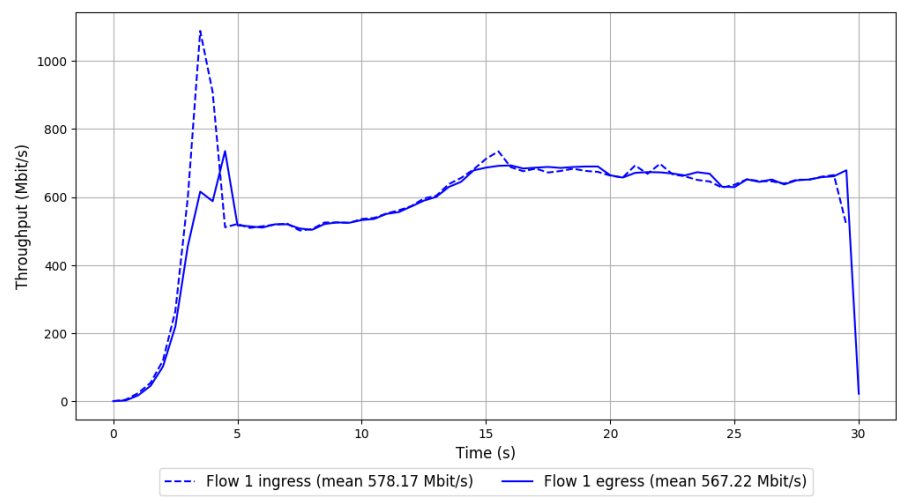
-- Flow 1:

Average throughput: 567.22 Mbit/s

95th percentile per-packet one-way delay: 186.505 ms

Loss rate: 1.89%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-31 03:43:52

End at: 2018-01-31 03:44:22

Below is generated by plot.py at 2018-01-31 06:37:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 546.66 Mbit/s

95th percentile per-packet one-way delay: 196.046 ms

Loss rate: 1.55%

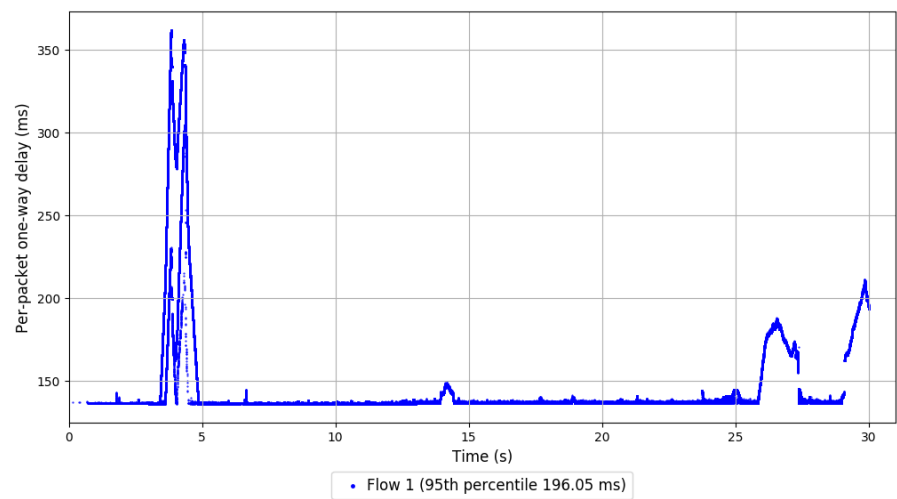
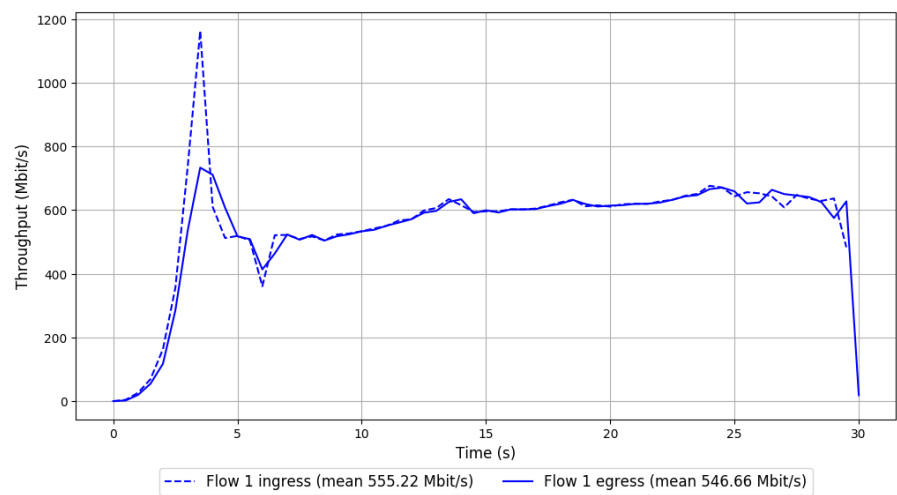
-- Flow 1:

Average throughput: 546.66 Mbit/s

95th percentile per-packet one-way delay: 196.046 ms

Loss rate: 1.55%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-31 03:58:44

End at: 2018-01-31 03:59:14

Below is generated by plot.py at 2018-01-31 06:37:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.33 Mbit/s

95th percentile per-packet one-way delay: 178.443 ms

Loss rate: 1.56%

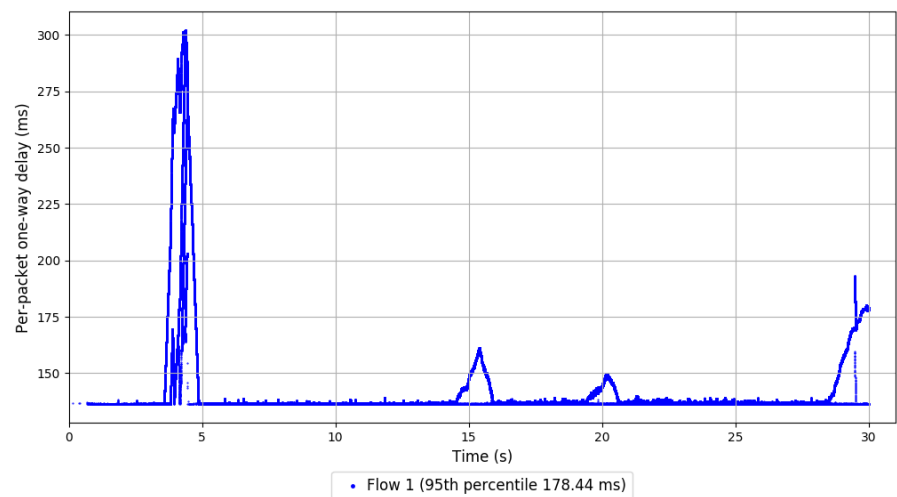
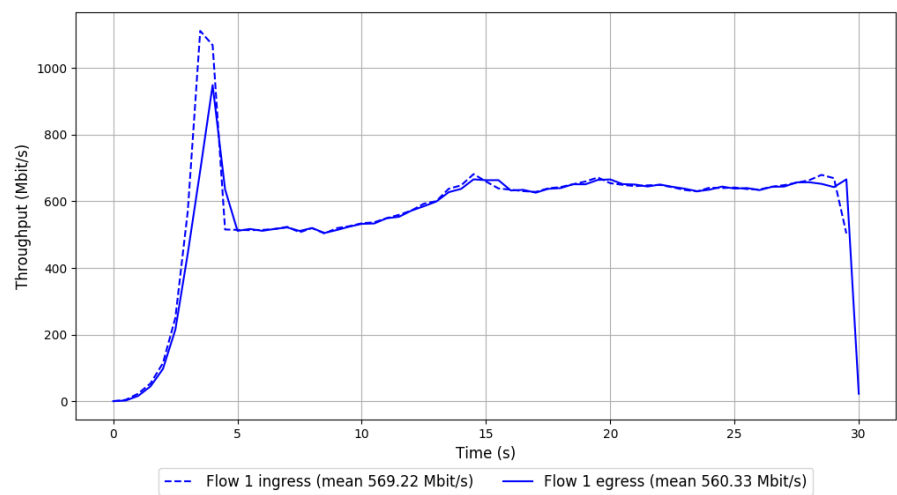
-- Flow 1:

Average throughput: 560.33 Mbit/s

95th percentile per-packet one-way delay: 178.443 ms

Loss rate: 1.56%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-31 04:13:16

End at: 2018-01-31 04:13:46

Below is generated by plot.py at 2018-01-31 06:37:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 549.77 Mbit/s

95th percentile per-packet one-way delay: 168.185 ms

Loss rate: 1.54%

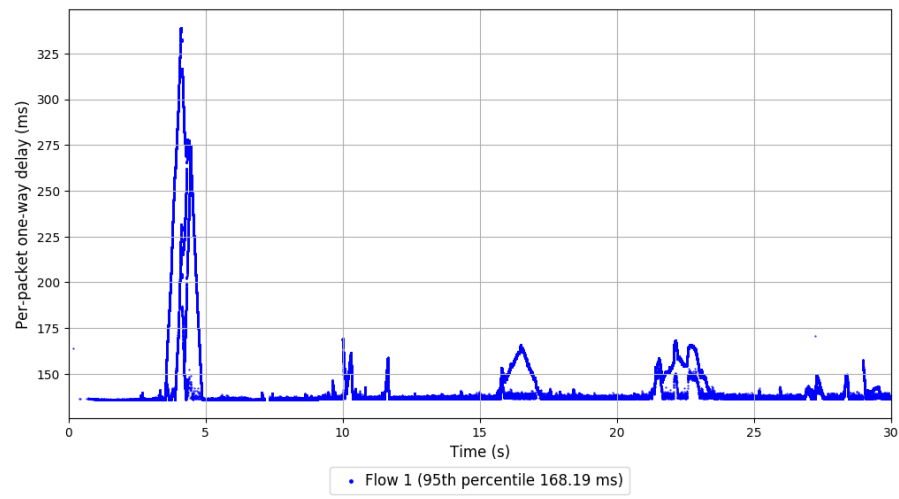
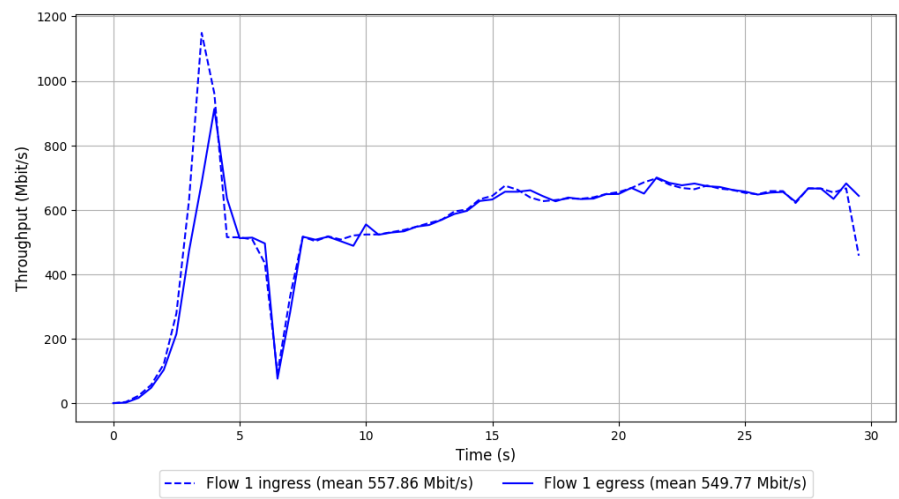
-- Flow 1:

Average throughput: 549.77 Mbit/s

95th percentile per-packet one-way delay: 168.185 ms

Loss rate: 1.54%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-31 04:28:23

End at: 2018-01-31 04:28:53

Below is generated by plot.py at 2018-01-31 06:38:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 569.04 Mbit/s

95th percentile per-packet one-way delay: 208.167 ms

Loss rate: 1.30%

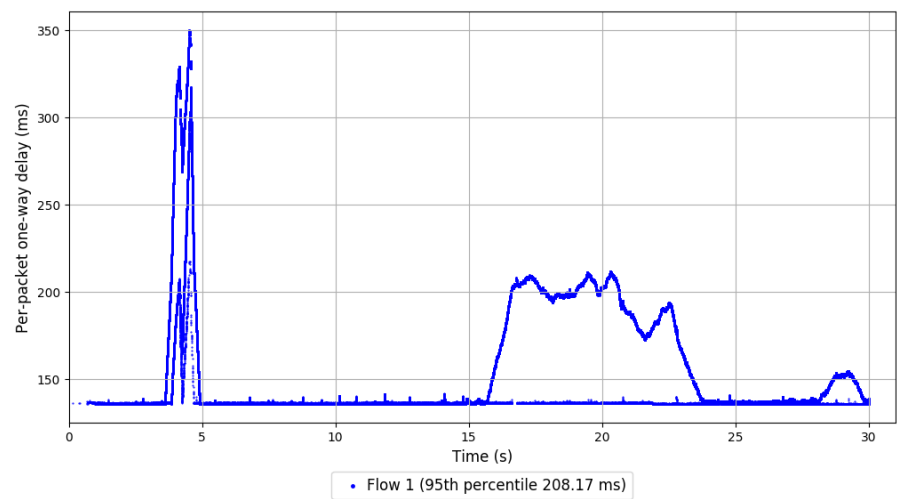
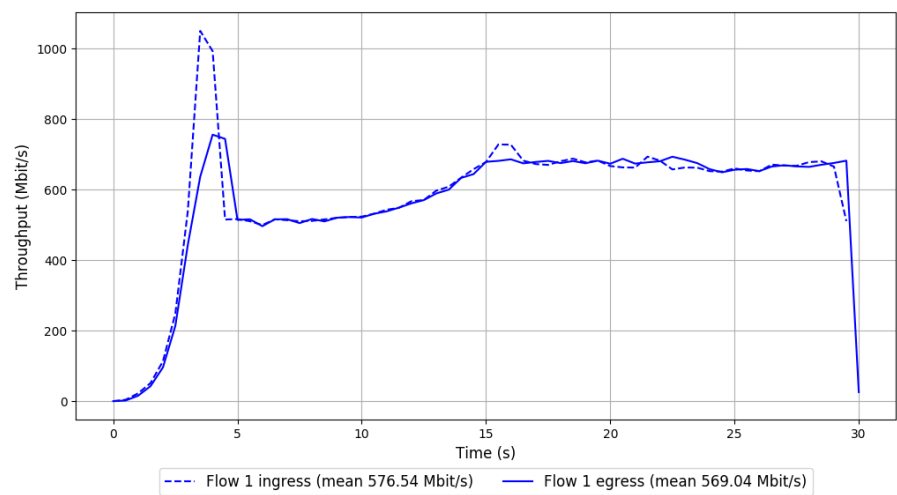
-- Flow 1:

Average throughput: 569.04 Mbit/s

95th percentile per-packet one-way delay: 208.167 ms

Loss rate: 1.30%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-31 04:43:23

End at: 2018-01-31 04:43:53

Below is generated by plot.py at 2018-01-31 06:38:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 544.27 Mbit/s

95th percentile per-packet one-way delay: 189.963 ms

Loss rate: 1.88%

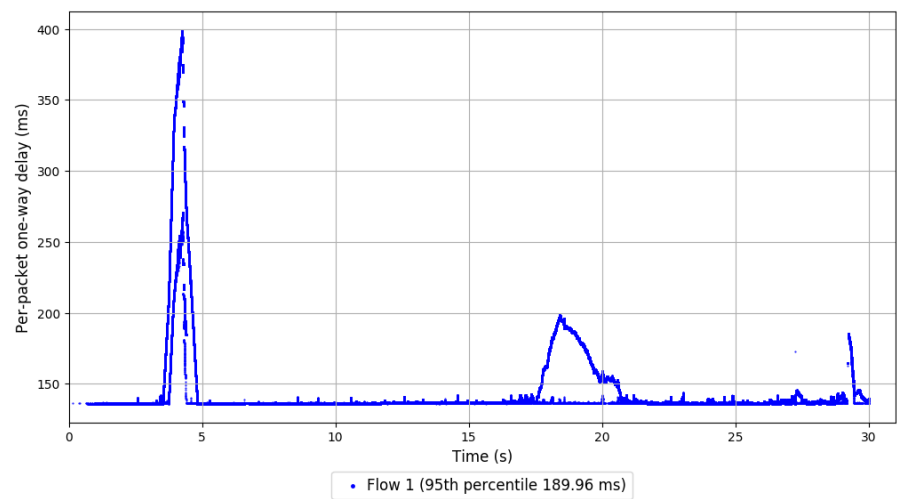
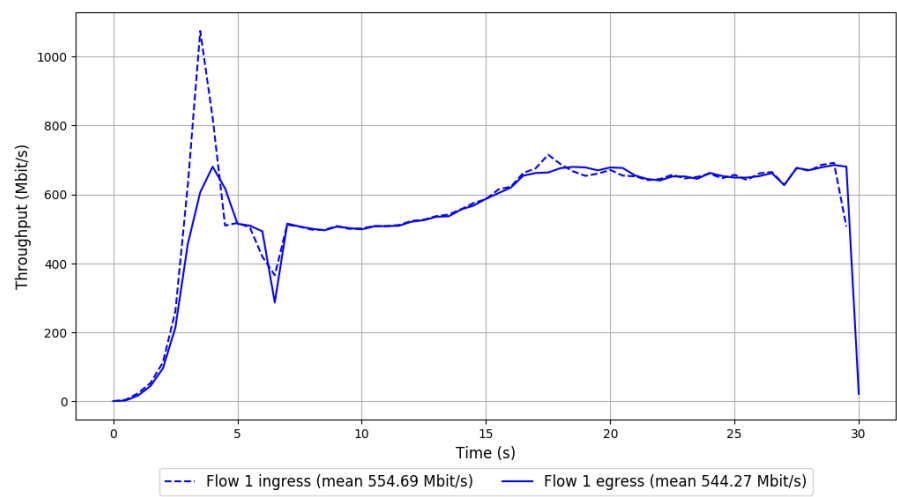
-- Flow 1:

Average throughput: 544.27 Mbit/s

95th percentile per-packet one-way delay: 189.963 ms

Loss rate: 1.88%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-31 04:58:04

End at: 2018-01-31 04:58:34

Below is generated by plot.py at 2018-01-31 06:38:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.21 Mbit/s

95th percentile per-packet one-way delay: 211.014 ms

Loss rate: 3.29%

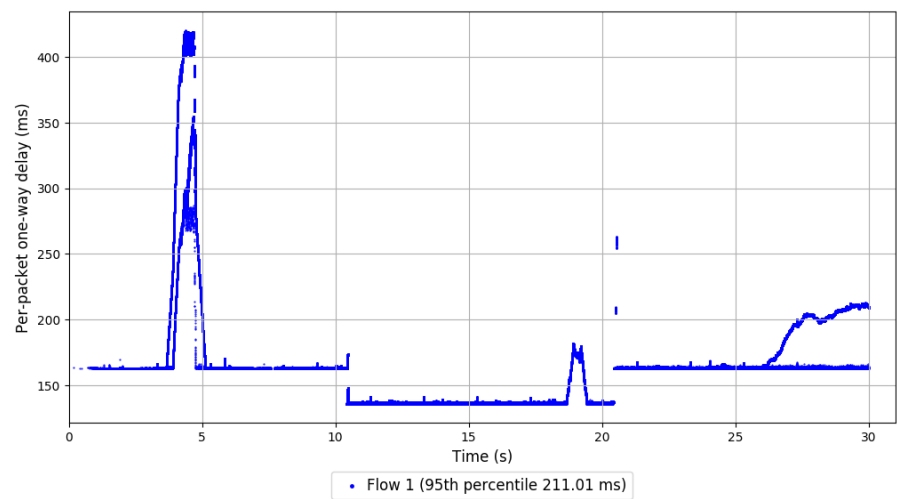
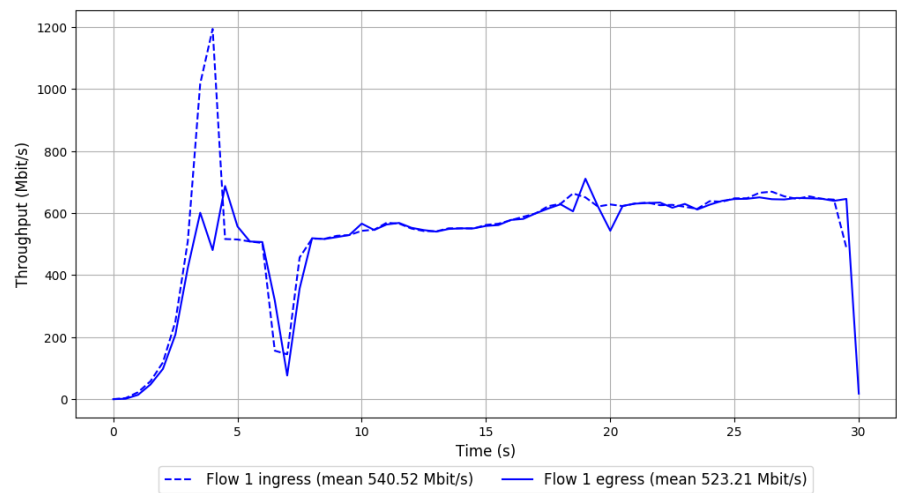
-- Flow 1:

Average throughput: 523.21 Mbit/s

95th percentile per-packet one-way delay: 211.014 ms

Loss rate: 3.29%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-31 05:13:12

End at: 2018-01-31 05:13:42

Below is generated by plot.py at 2018-01-31 06:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.75 Mbit/s

95th percentile per-packet one-way delay: 162.905 ms

Loss rate: 0.00%

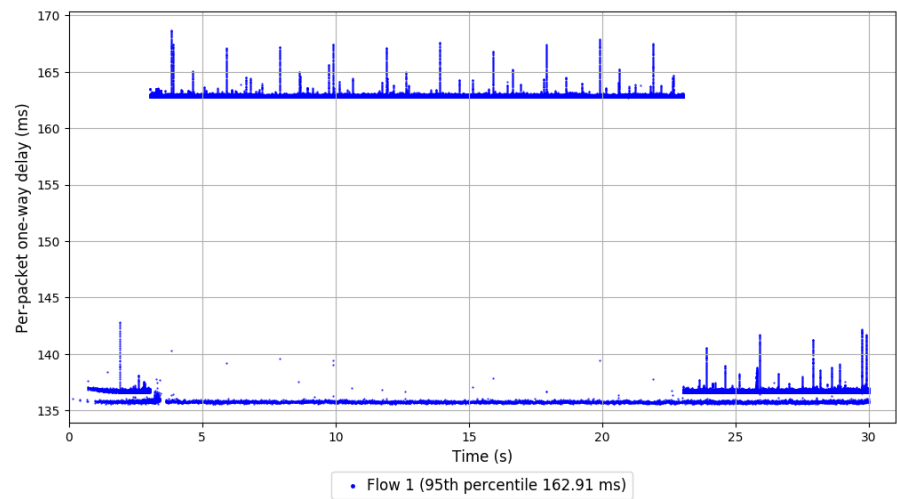
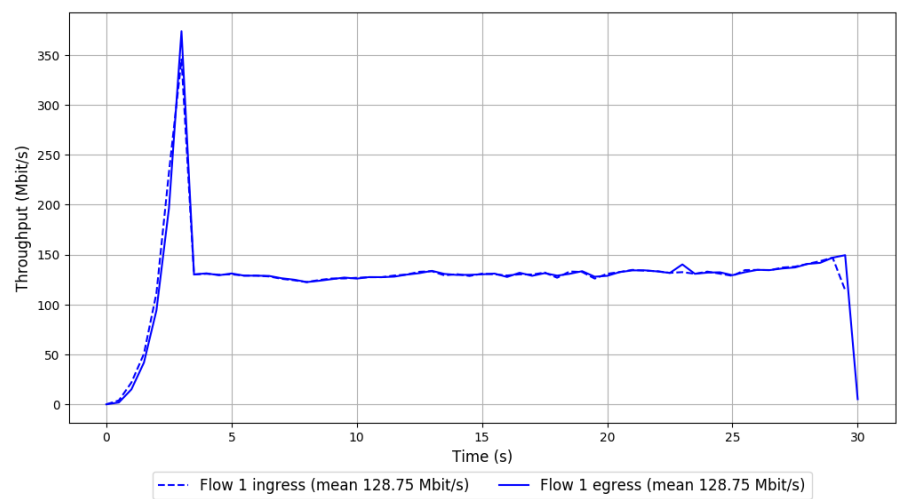
-- Flow 1:

Average throughput: 128.75 Mbit/s

95th percentile per-packet one-way delay: 162.905 ms

Loss rate: 0.00%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-31 05:27:58

End at: 2018-01-31 05:28:28

Below is generated by plot.py at 2018-01-31 06:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.64 Mbit/s

95th percentile per-packet one-way delay: 161.746 ms

Loss rate: 0.00%

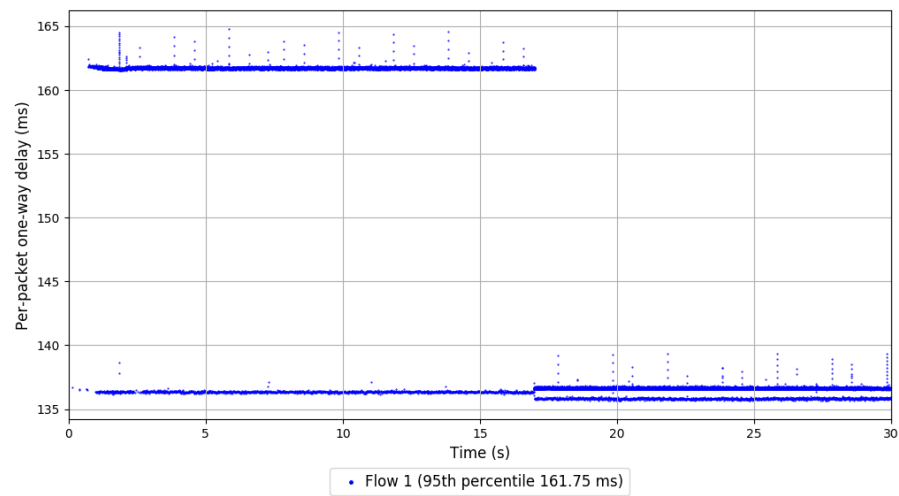
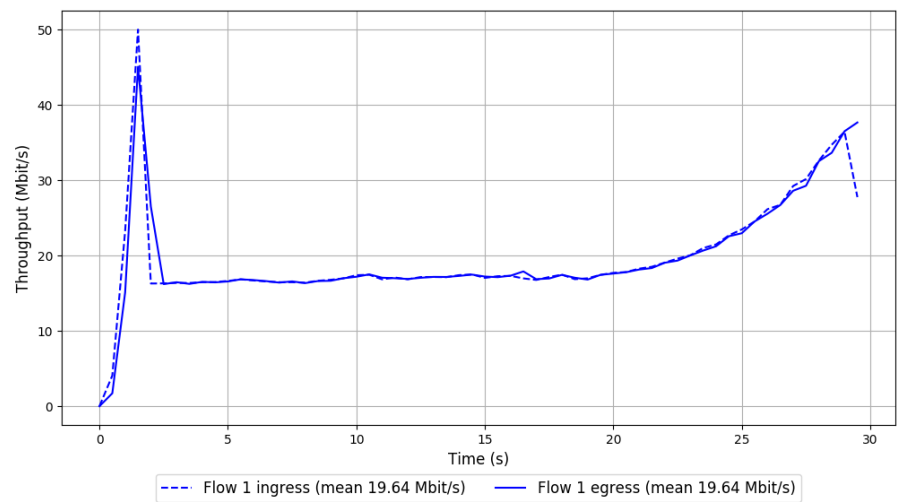
-- Flow 1:

Average throughput: 19.64 Mbit/s

95th percentile per-packet one-way delay: 161.746 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-31 03:17:30

End at: 2018-01-31 03:18:00

Below is generated by plot.py at 2018-01-31 06:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.61 Mbit/s

95th percentile per-packet one-way delay: 135.915 ms

Loss rate: 0.00%

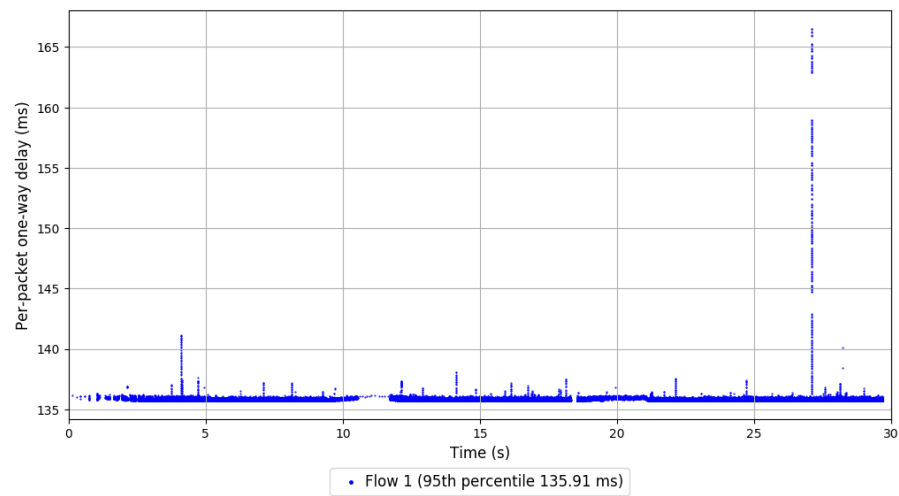
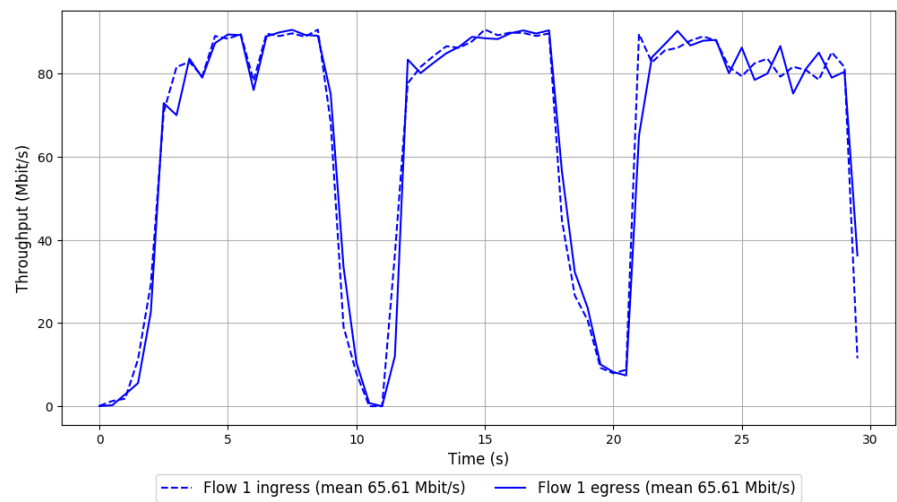
-- Flow 1:

Average throughput: 65.61 Mbit/s

95th percentile per-packet one-way delay: 135.915 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-31 03:32:24

End at: 2018-01-31 03:32:54

Below is generated by plot.py at 2018-01-31 06:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.84 Mbit/s

95th percentile per-packet one-way delay: 135.804 ms

Loss rate: 0.00%

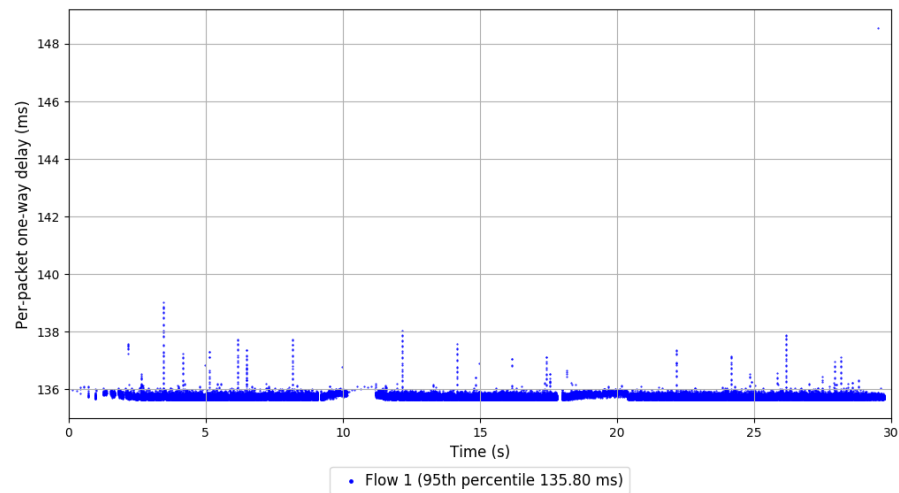
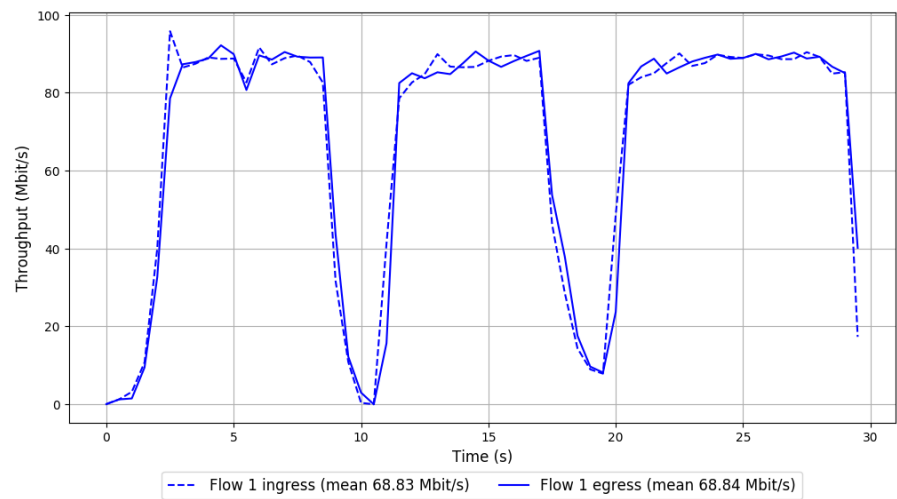
-- Flow 1:

Average throughput: 68.84 Mbit/s

95th percentile per-packet one-way delay: 135.804 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-31 03:48:05

End at: 2018-01-31 03:48:35

Below is generated by plot.py at 2018-01-31 06:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.02 Mbit/s

95th percentile per-packet one-way delay: 137.204 ms

Loss rate: 0.00%

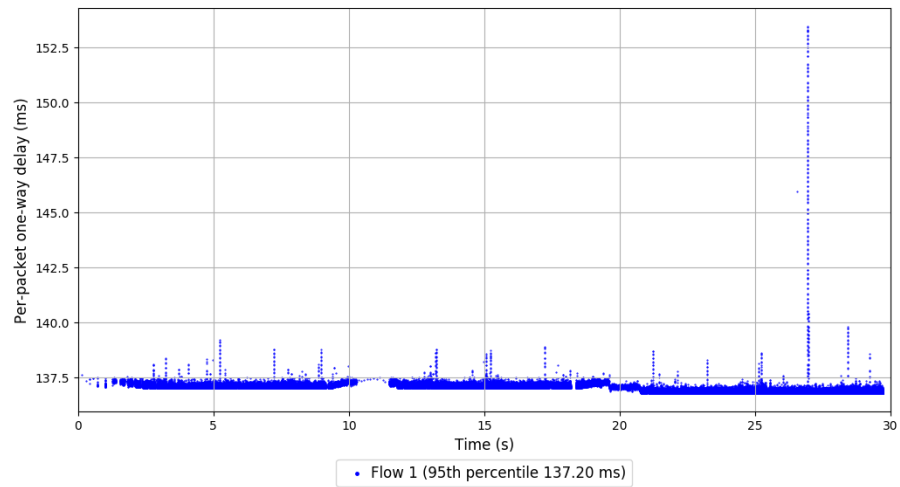
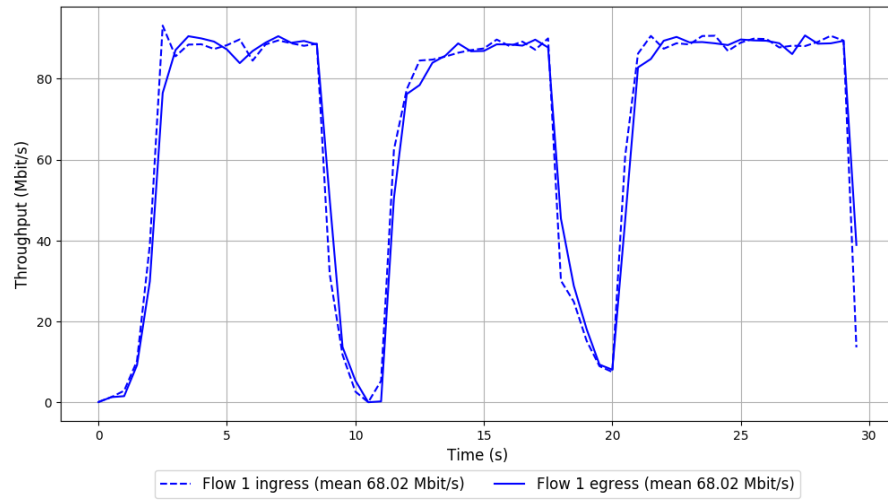
-- Flow 1:

Average throughput: 68.02 Mbit/s

95th percentile per-packet one-way delay: 137.204 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-31 04:02:38

End at: 2018-01-31 04:03:08

Below is generated by plot.py at 2018-01-31 06:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.19 Mbit/s

95th percentile per-packet one-way delay: 136.384 ms

Loss rate: 0.00%

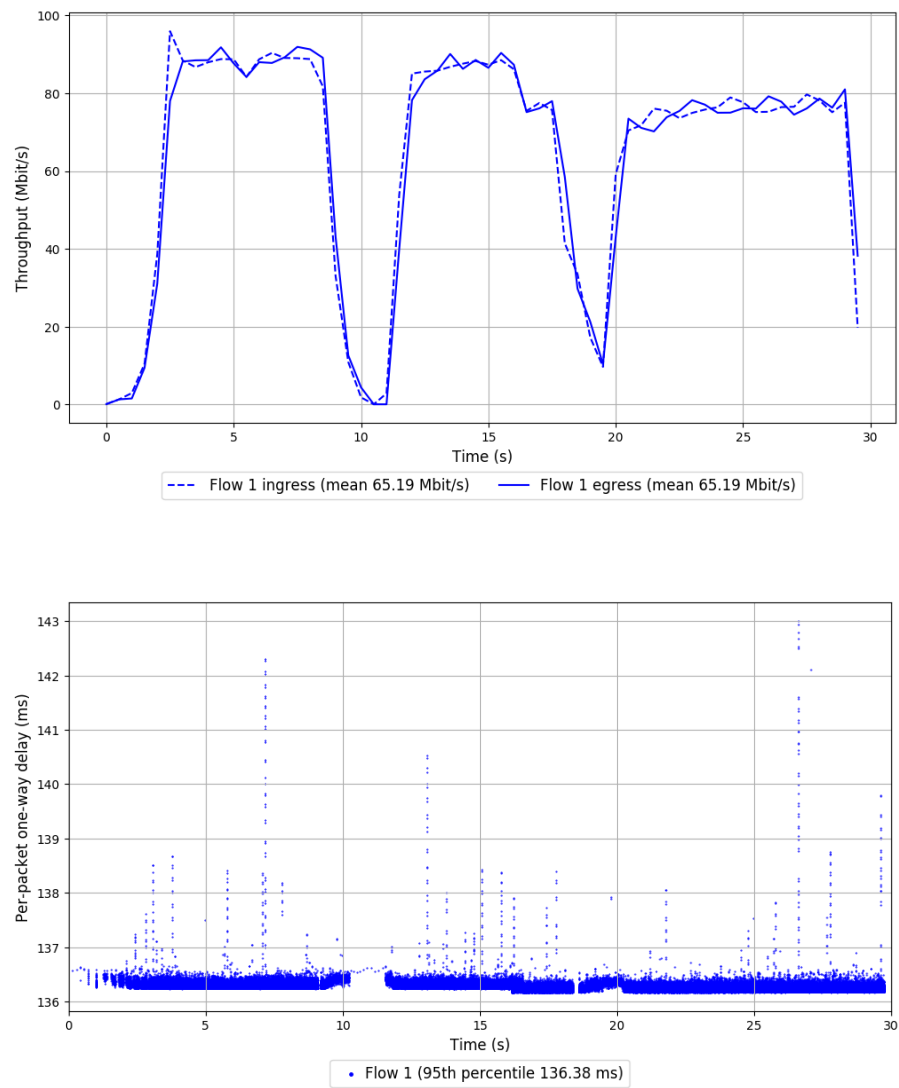
-- Flow 1:

Average throughput: 65.19 Mbit/s

95th percentile per-packet one-way delay: 136.384 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-31 04:17:11

End at: 2018-01-31 04:17:41

Below is generated by plot.py at 2018-01-31 06:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.49 Mbit/s

95th percentile per-packet one-way delay: 136.497 ms

Loss rate: 0.00%

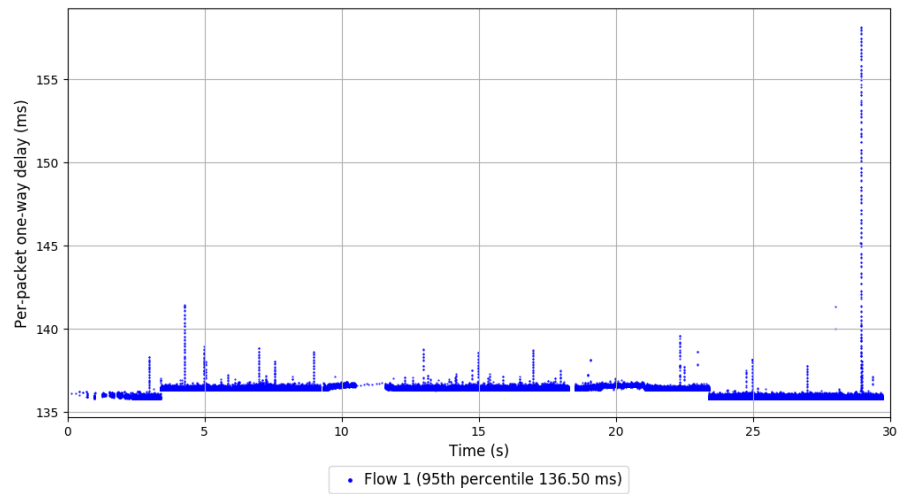
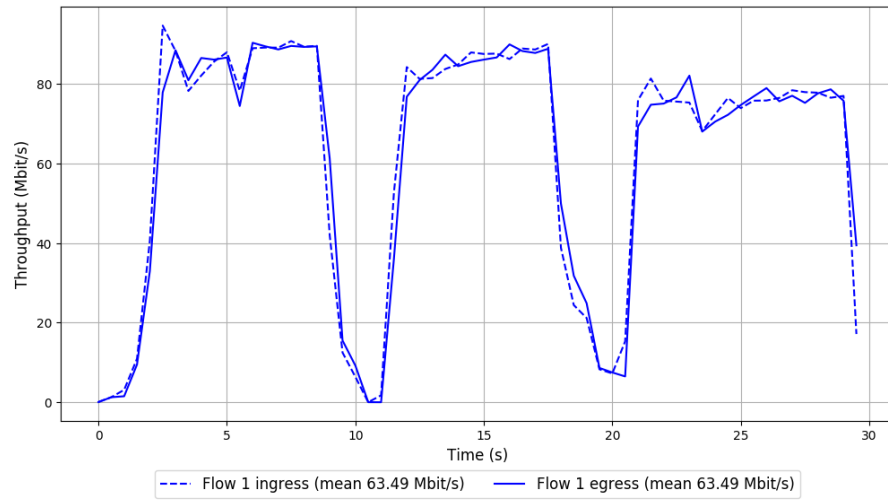
-- Flow 1:

Average throughput: 63.49 Mbit/s

95th percentile per-packet one-way delay: 136.497 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-31 04:32:18

End at: 2018-01-31 04:32:48

Below is generated by plot.py at 2018-01-31 06:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.05 Mbit/s

95th percentile per-packet one-way delay: 136.772 ms

Loss rate: 0.00%

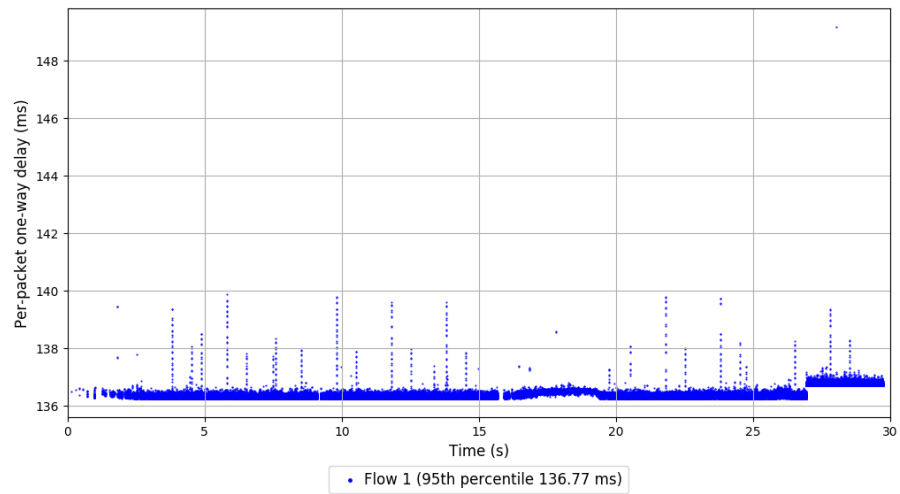
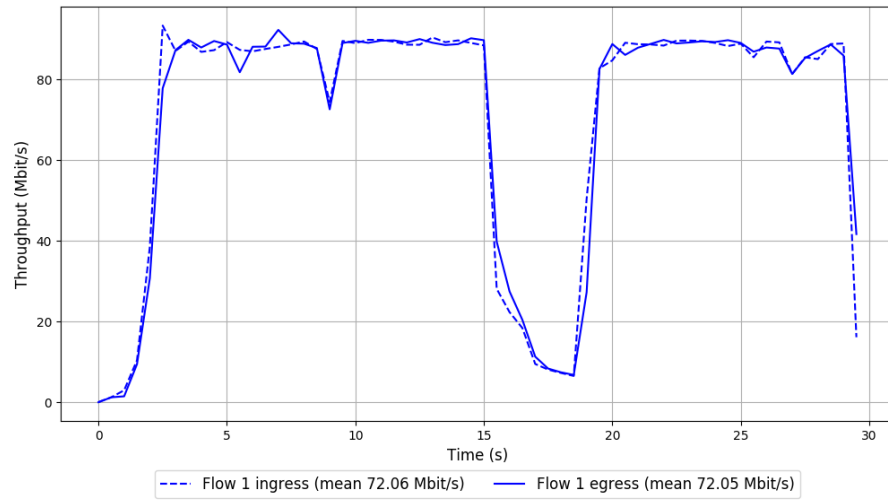
-- Flow 1:

Average throughput: 72.05 Mbit/s

95th percentile per-packet one-way delay: 136.772 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-31 04:47:22

End at: 2018-01-31 04:47:52

Below is generated by plot.py at 2018-01-31 06:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.11 Mbit/s

95th percentile per-packet one-way delay: 136.960 ms

Loss rate: 0.00%

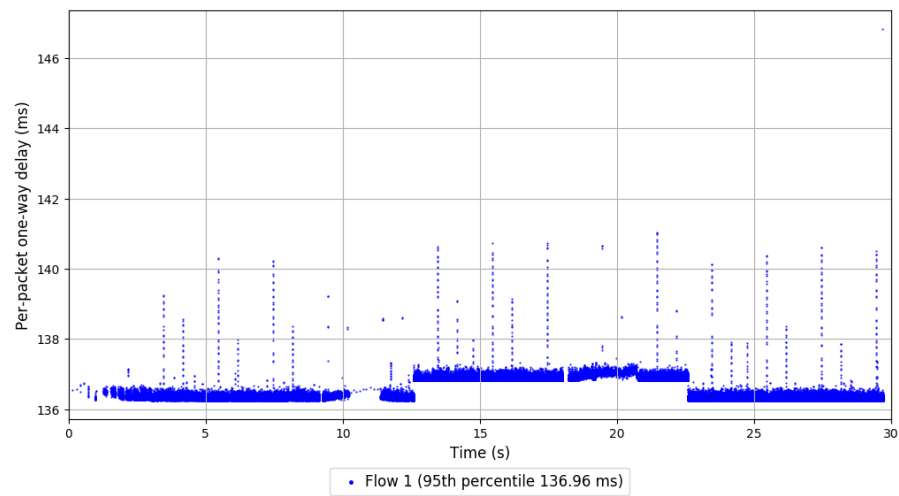
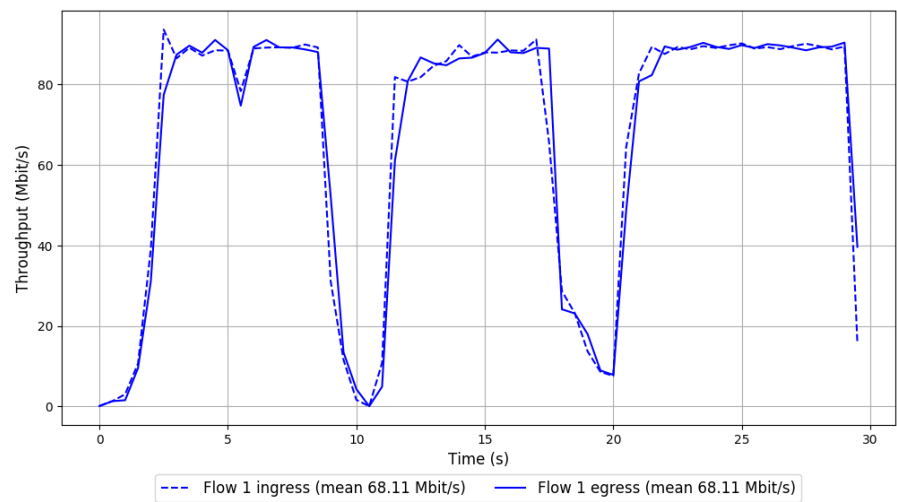
-- Flow 1:

Average throughput: 68.11 Mbit/s

95th percentile per-packet one-way delay: 136.960 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-31 05:01:59

End at: 2018-01-31 05:02:29

Below is generated by plot.py at 2018-01-31 06:40:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.72 Mbit/s

95th percentile per-packet one-way delay: 137.034 ms

Loss rate: 0.00%

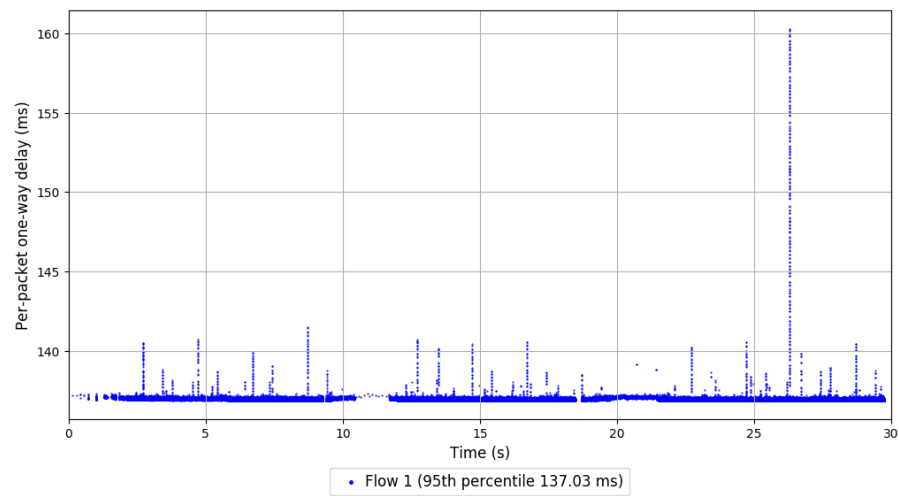
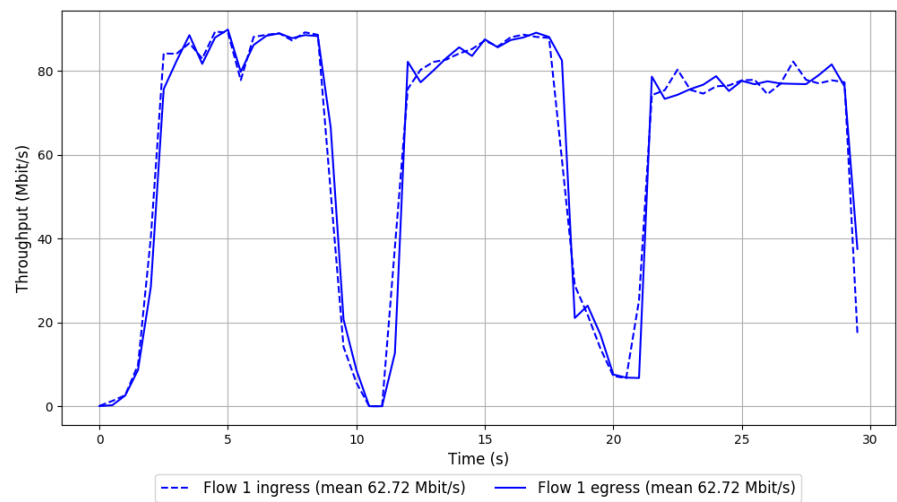
-- Flow 1:

Average throughput: 62.72 Mbit/s

95th percentile per-packet one-way delay: 137.034 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-31 05:16:51

End at: 2018-01-31 05:17:21

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.96 Mbit/s

95th percentile per-packet one-way delay: 135.349 ms

Loss rate: 0.00%

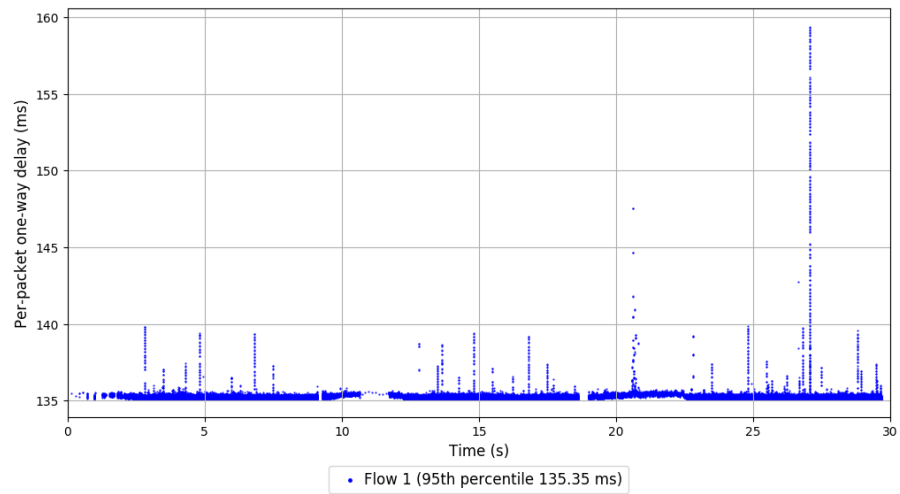
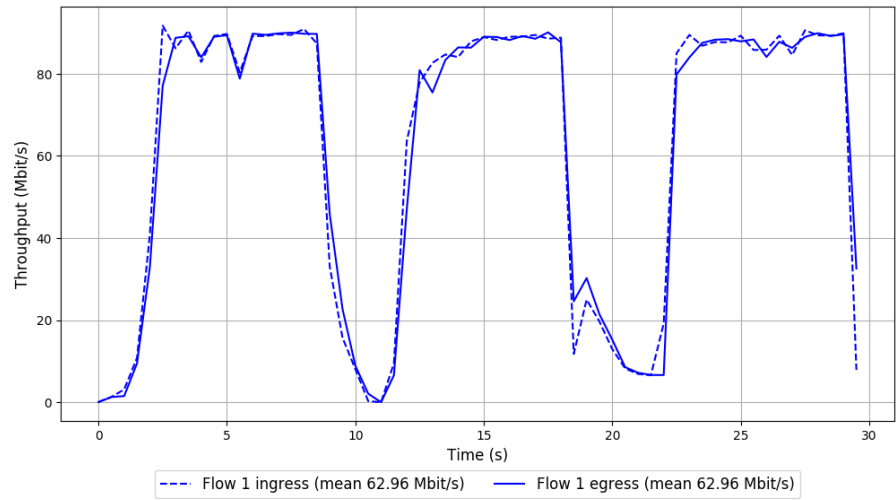
-- Flow 1:

Average throughput: 62.96 Mbit/s

95th percentile per-packet one-way delay: 135.349 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

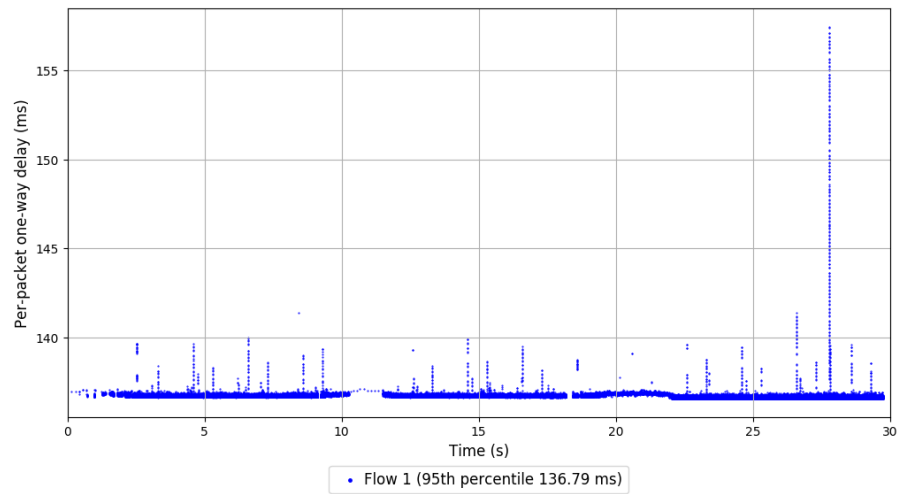
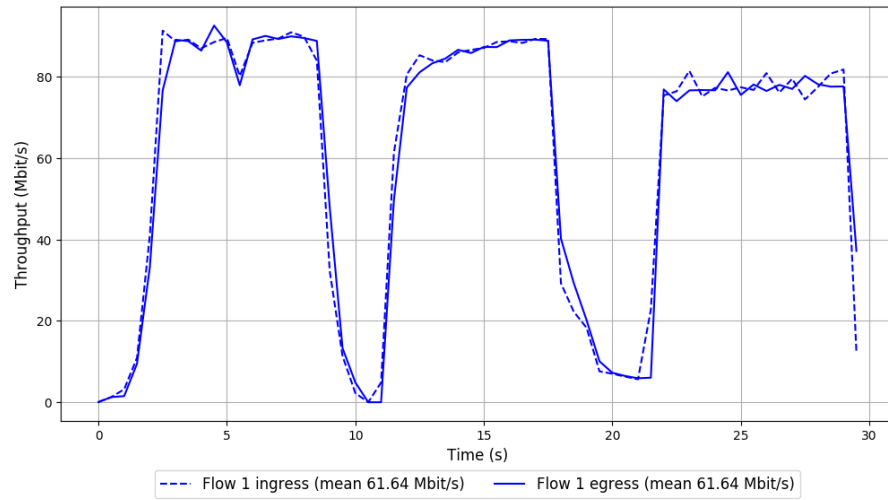


```
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-31 05:31:33
End at: 2018-01-31 05:32:03

# Below is generated by plot.py at 2018-01-31 06:40:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.64 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.64 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

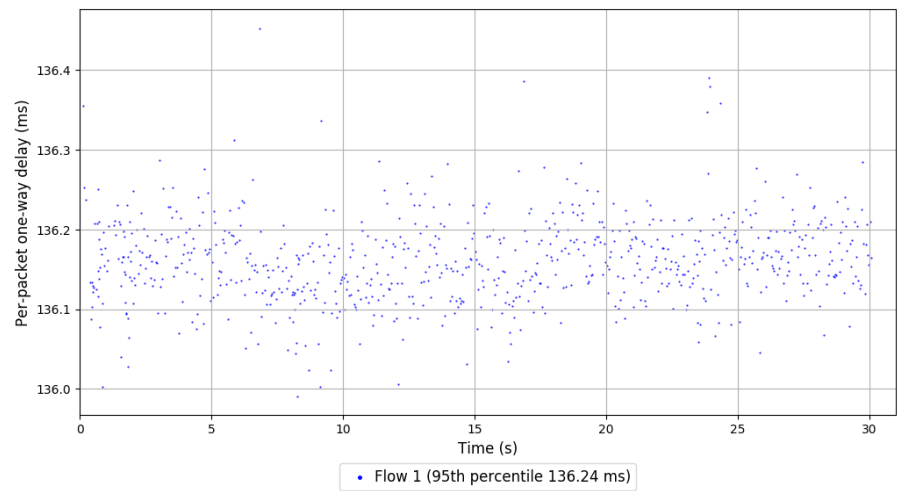
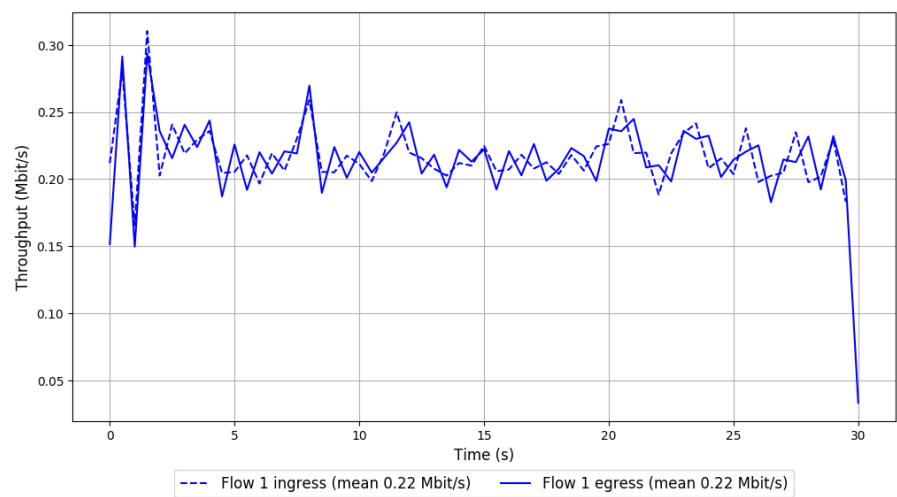


```
Run 1: Statistics of SCReAM

Start at: 2018-01-31 03:16:48
End at: 2018-01-31 03:17:18

# Below is generated by plot.py at 2018-01-31 06:40:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.240 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

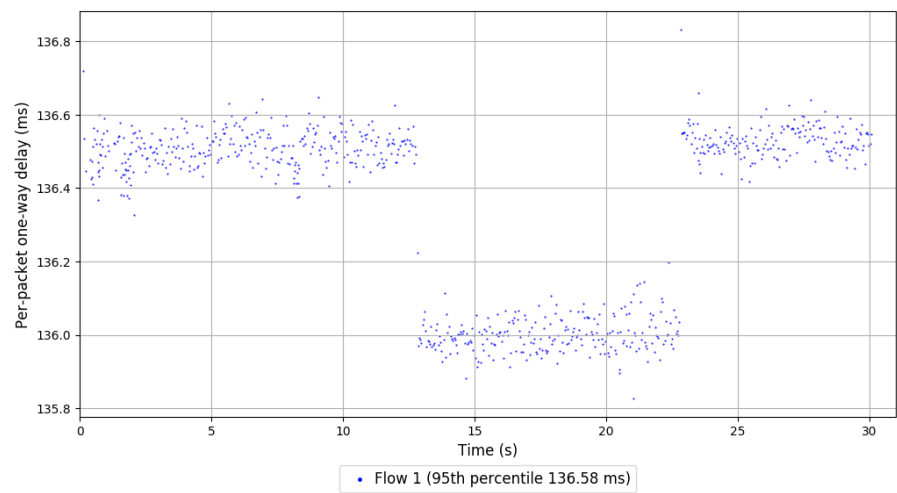
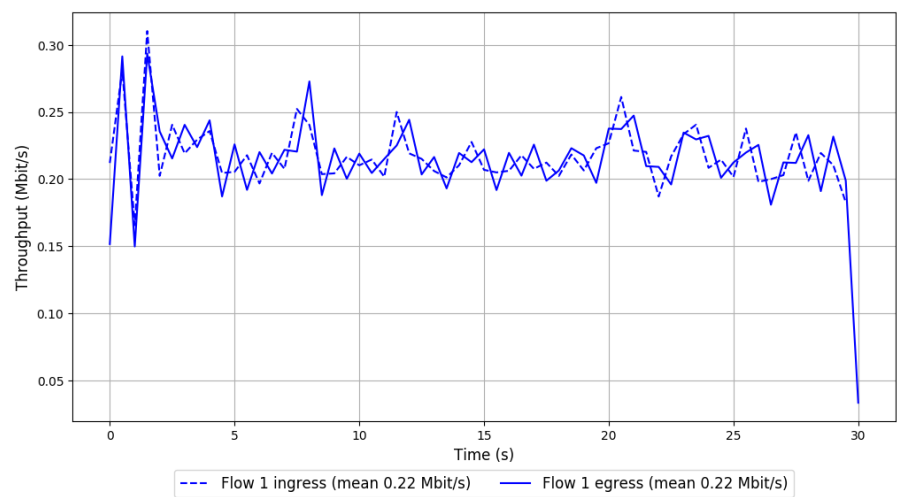


```
Run 2: Statistics of SCReAM

Start at: 2018-01-31 03:31:42
End at: 2018-01-31 03:32:12

# Below is generated by plot.py at 2018-01-31 06:40:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.578 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-31 03:47:23

End at: 2018-01-31 03:47:53

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.341 ms

Loss rate: 0.00%

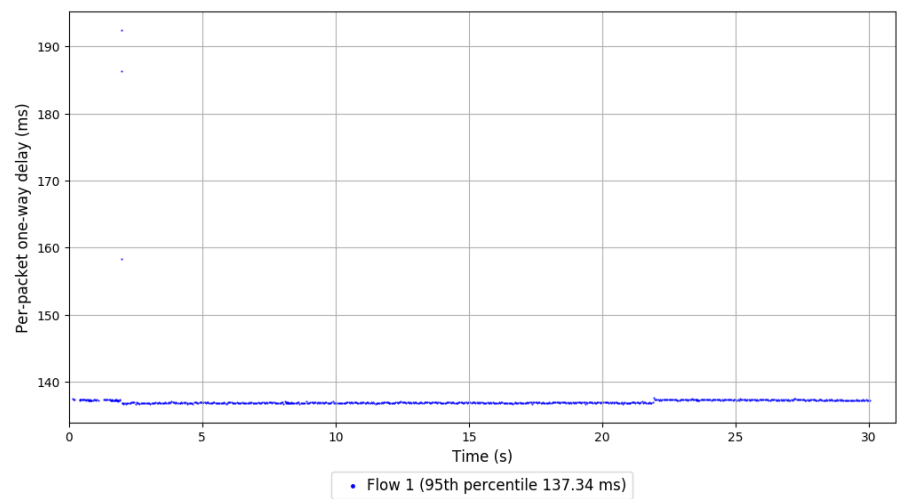
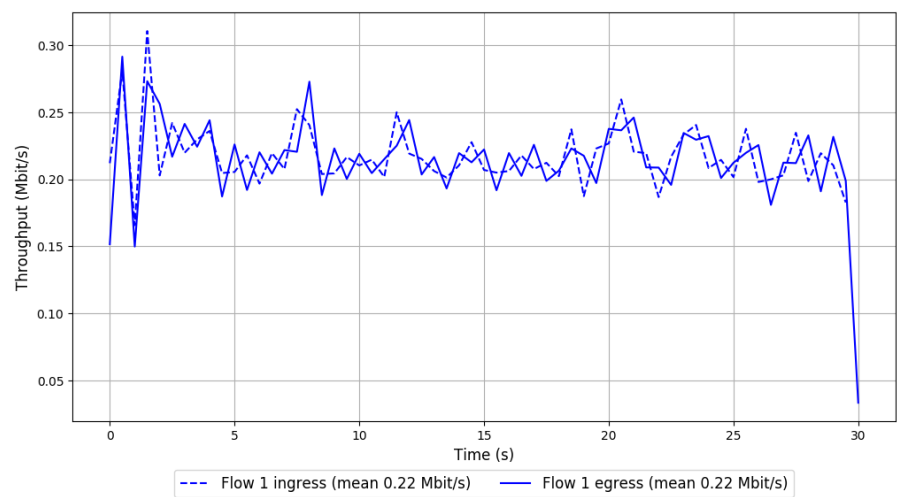
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.341 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-31 04:01:56

End at: 2018-01-31 04:02:26

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.020 ms

Loss rate: 0.00%

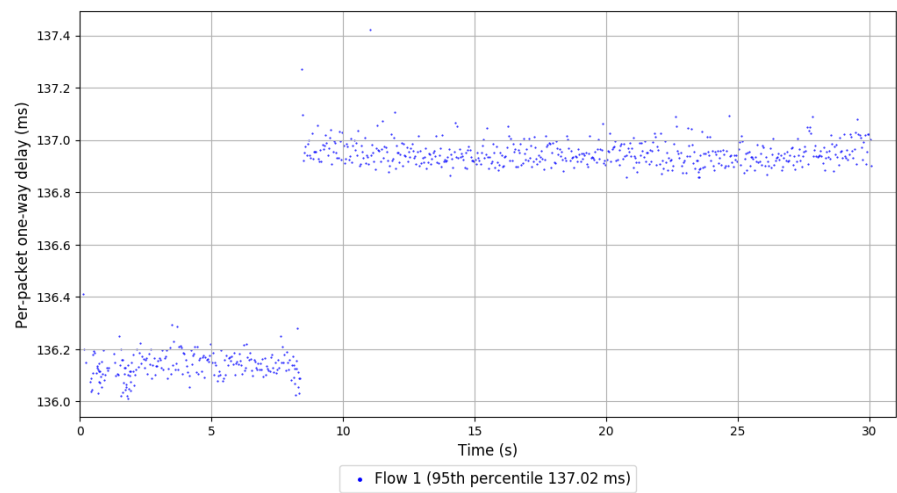
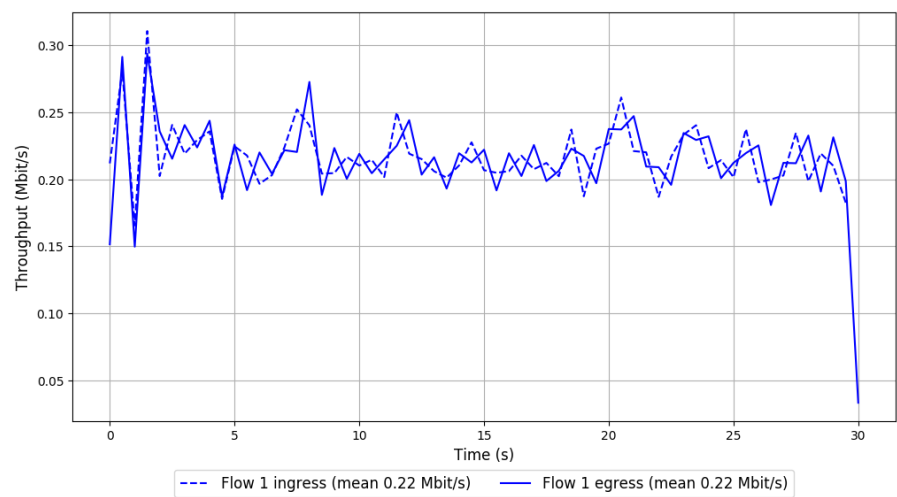
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.020 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-31 04:16:29

End at: 2018-01-31 04:16:59

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.787 ms

Loss rate: 0.00%

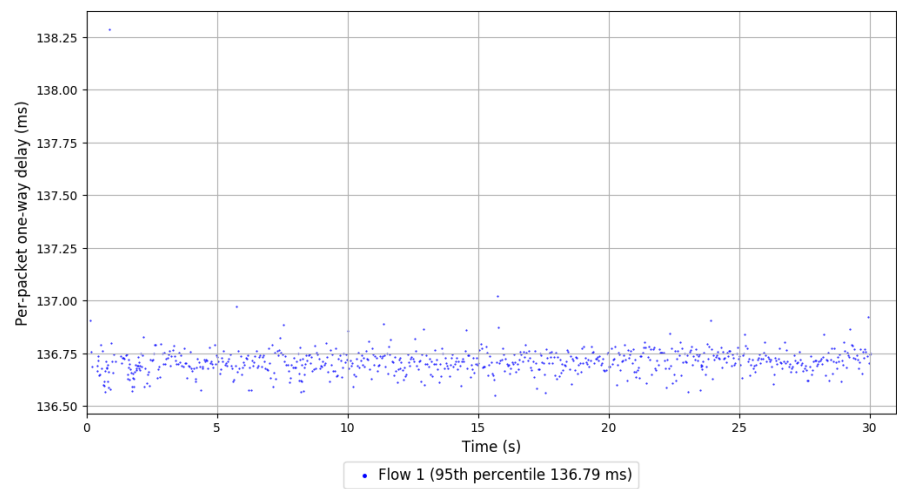
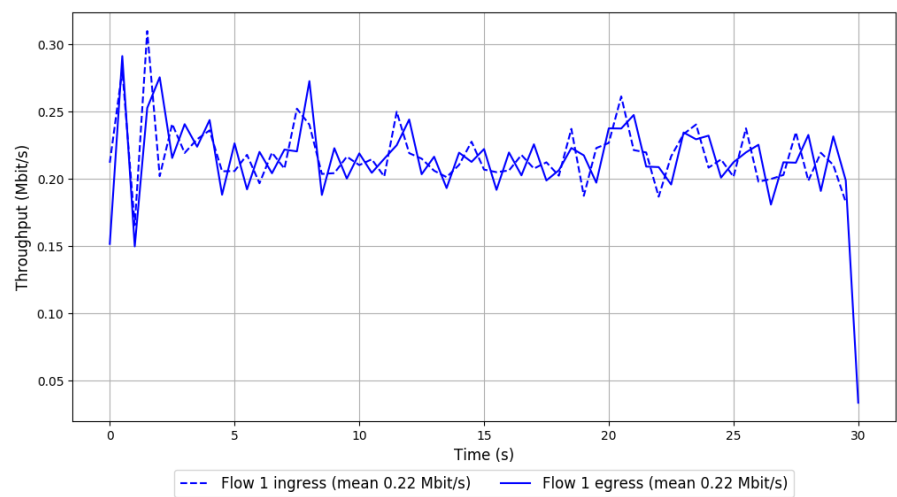
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.787 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

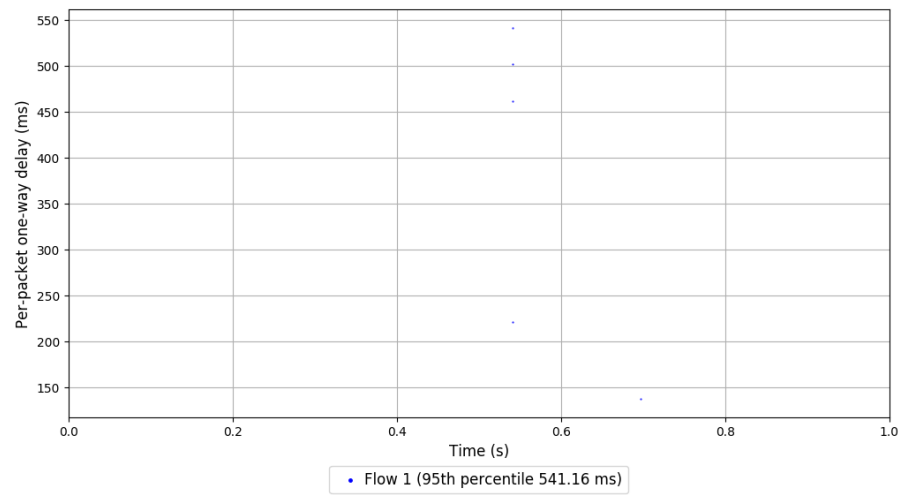
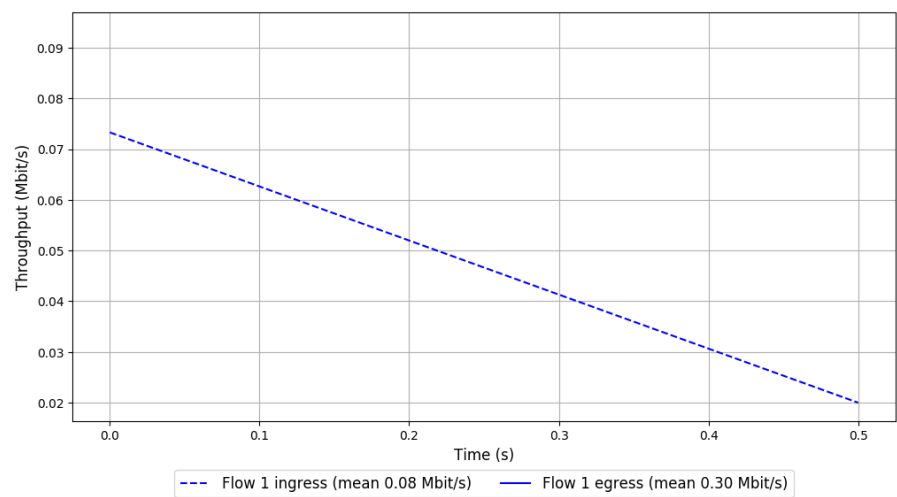


Run 6: Statistics of SReAM

Start at: 2018-01-31 04:31:36

End at: 2018-01-31 04:32:06

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-31 04:46:40

End at: 2018-01-31 04:47:10

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.408 ms

Loss rate: 0.00%

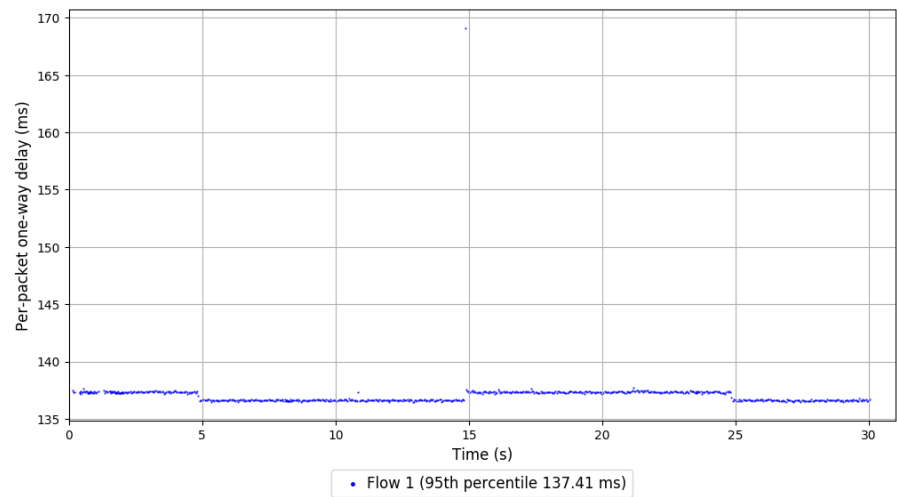
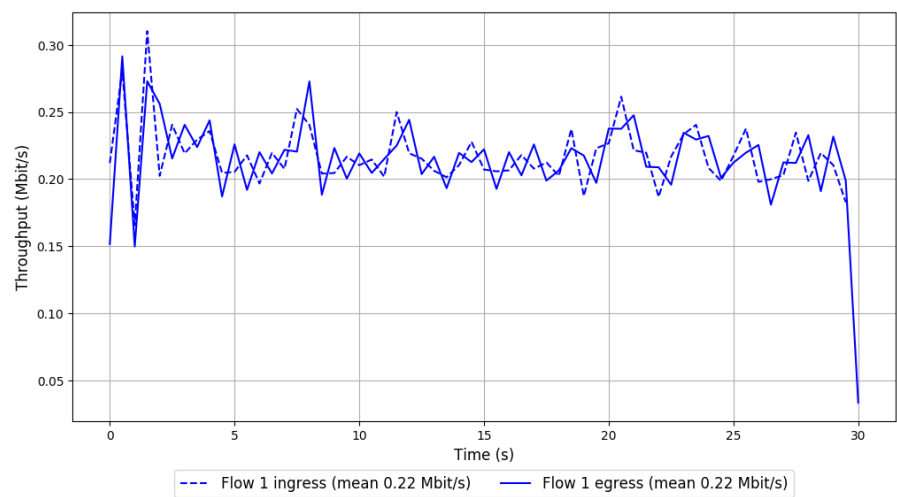
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.408 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-31 05:01:17

End at: 2018-01-31 05:01:47

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.536 ms

Loss rate: 0.00%

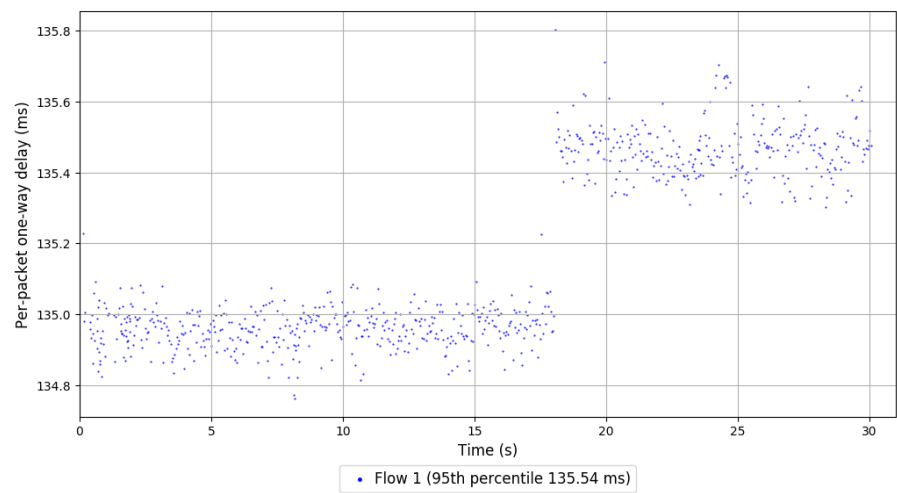
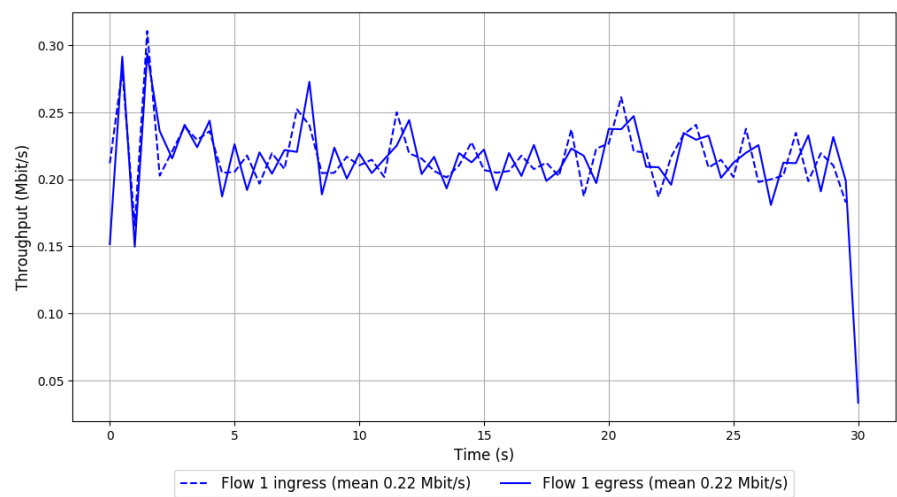
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.536 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-31 05:16:09

End at: 2018-01-31 05:16:39

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 163.056 ms

Loss rate: 0.00%

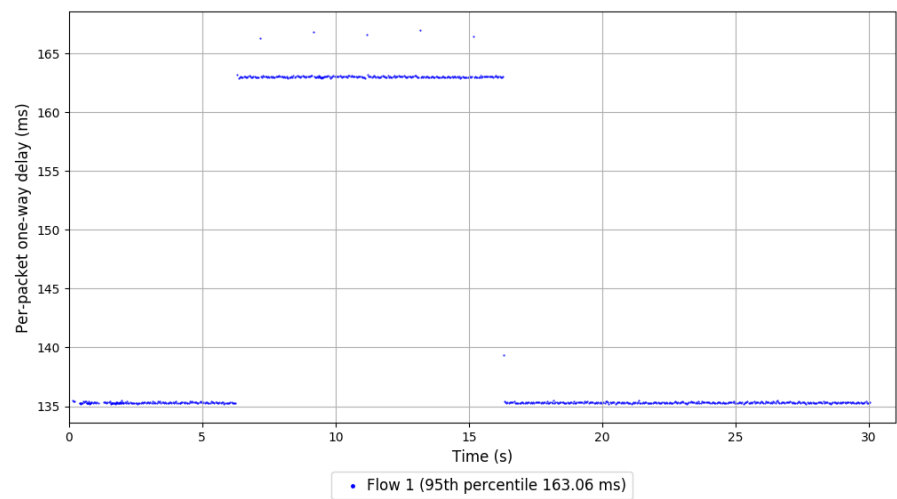
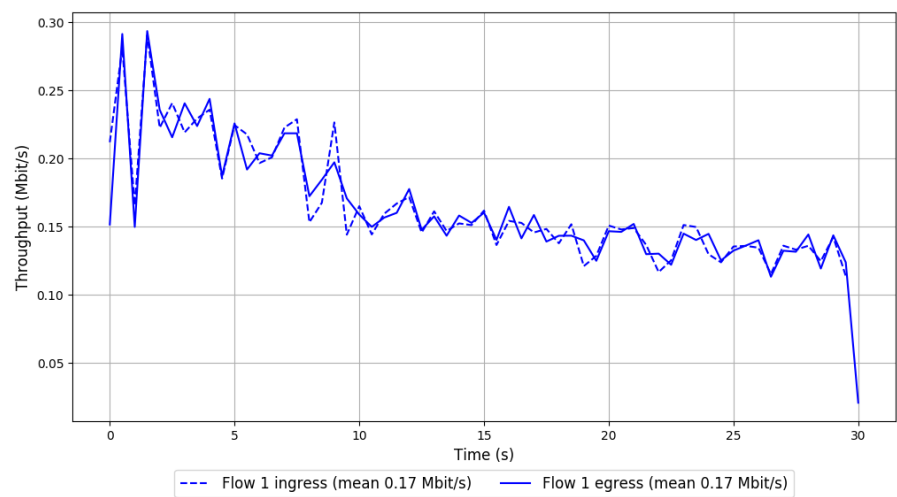
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 163.056 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-31 05:30:51

End at: 2018-01-31 05:31:21

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.387 ms

Loss rate: 0.00%

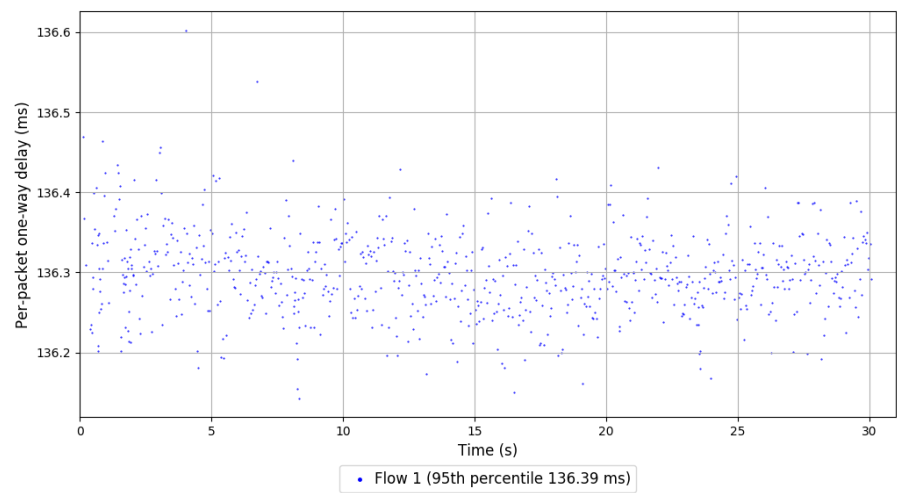
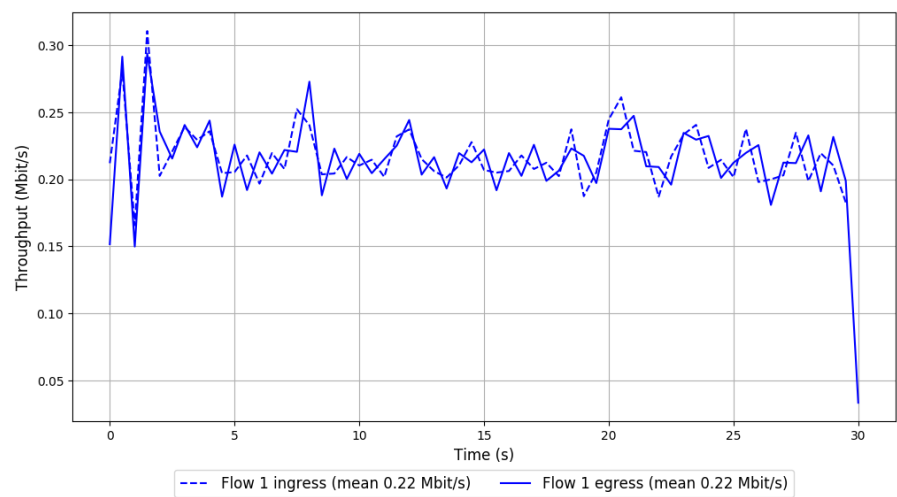
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.387 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

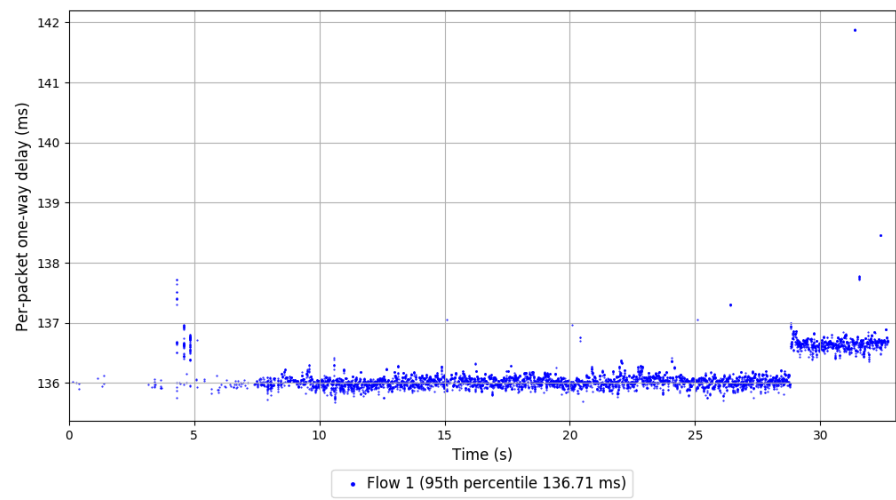
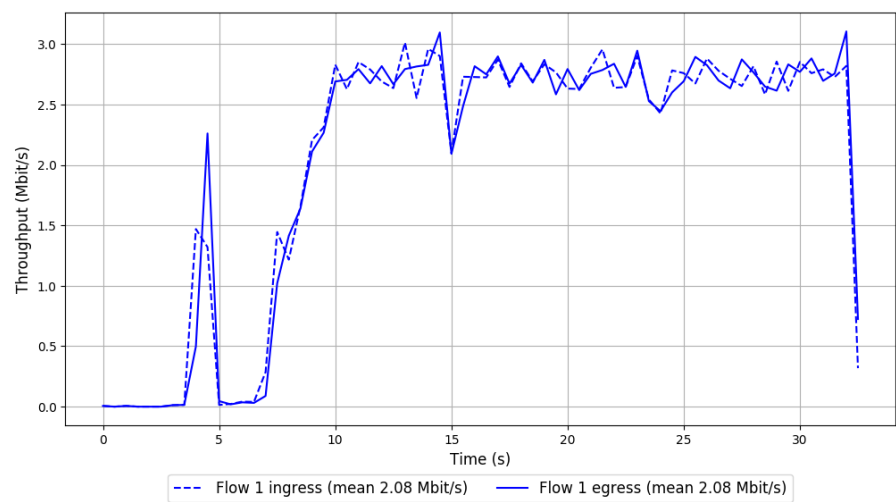


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-31 03:25:29
End at: 2018-01-31 03:25:59

# Below is generated by plot.py at 2018-01-31 06:40:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 136.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 136.706 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

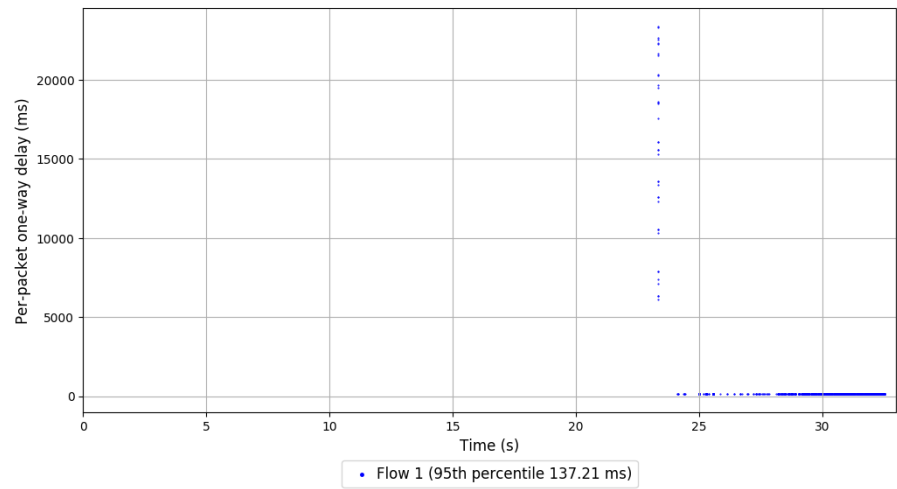
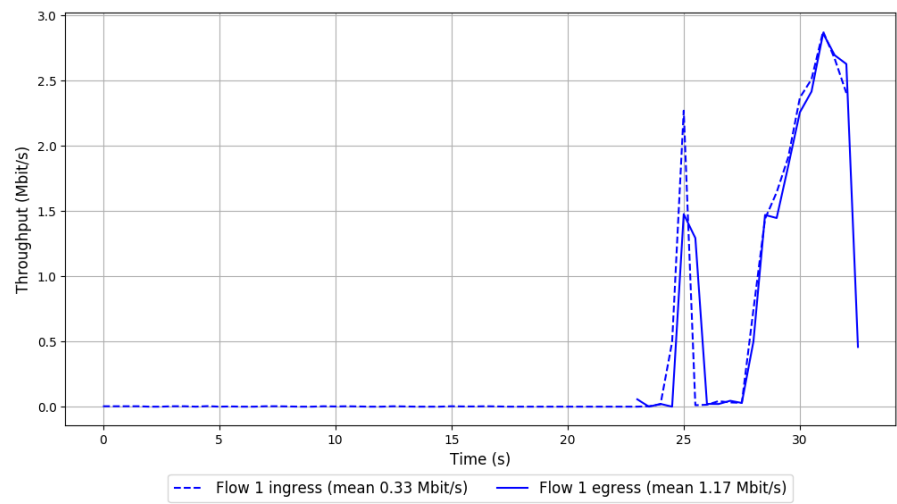


Run 2: Statistics of WebRTC media

Start at: 2018-01-31 03:40:55

End at: 2018-01-31 03:41:25

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-31 03:55:43

End at: 2018-01-31 03:56:13

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 136.763 ms

Loss rate: 0.00%

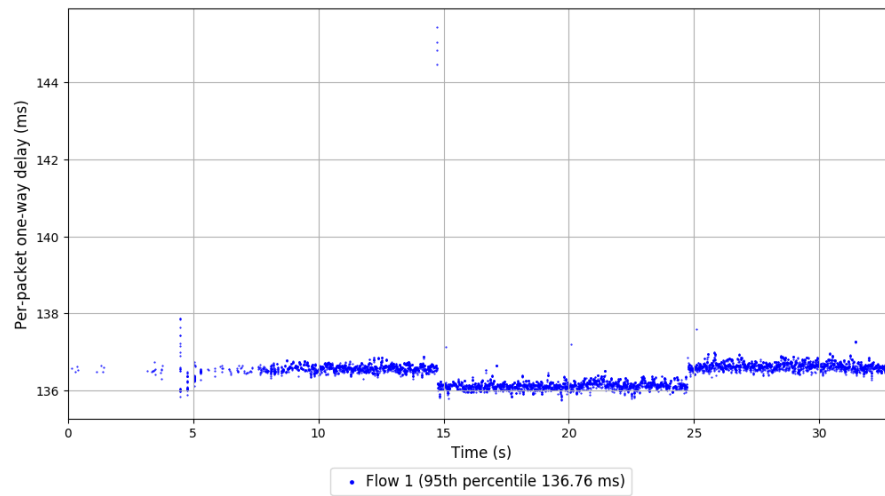
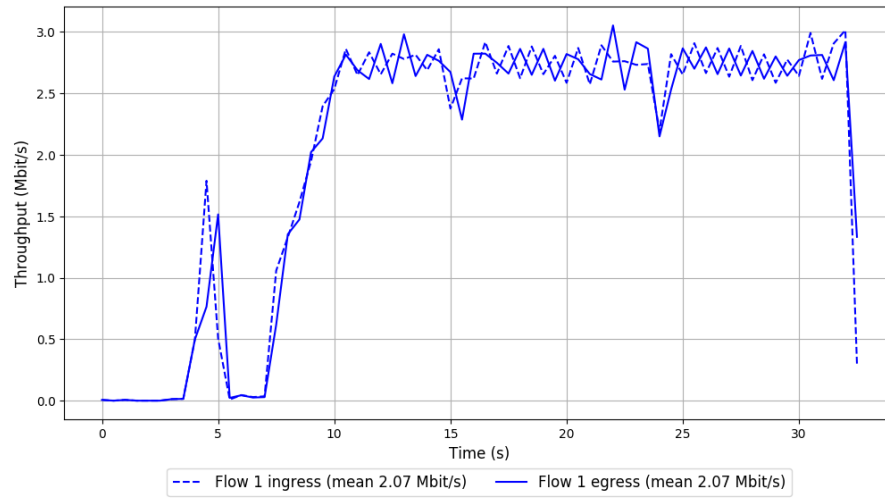
-- Flow 1:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 136.763 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-31 04:10:18

End at: 2018-01-31 04:10:48

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 137.093 ms

Loss rate: 0.00%

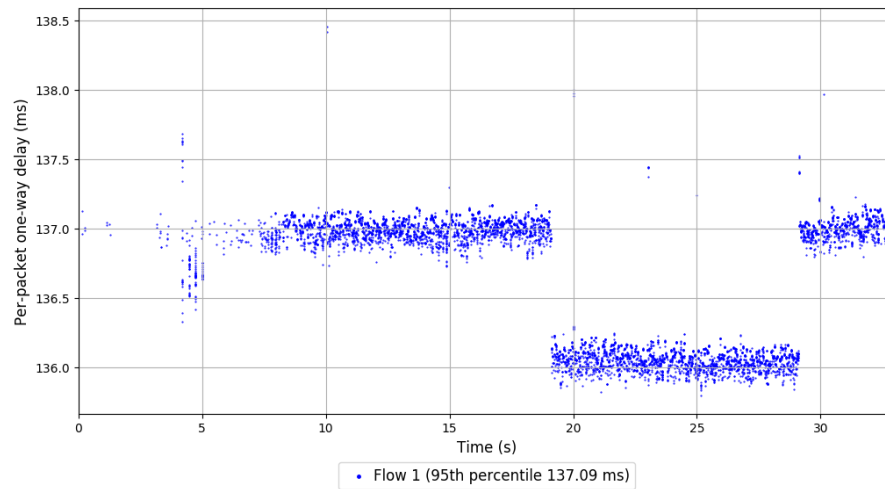
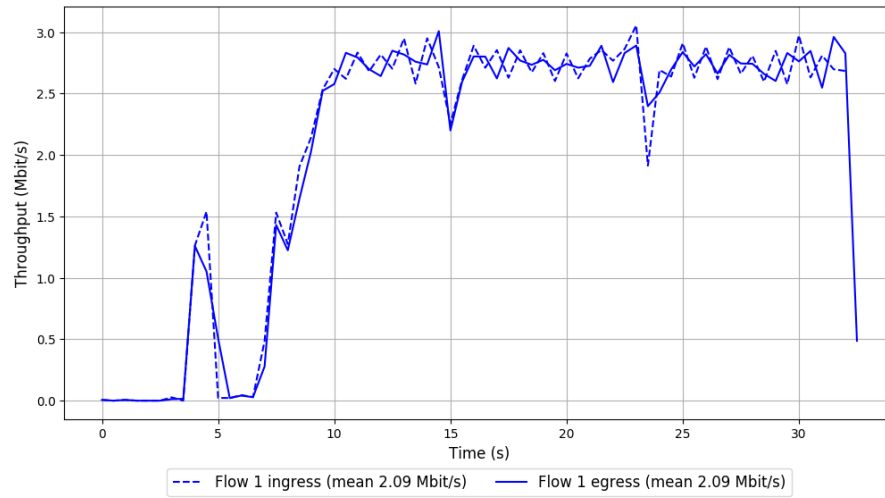
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 137.093 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-31 04:25:26

End at: 2018-01-31 04:25:56

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 136.595 ms

Loss rate: 0.00%

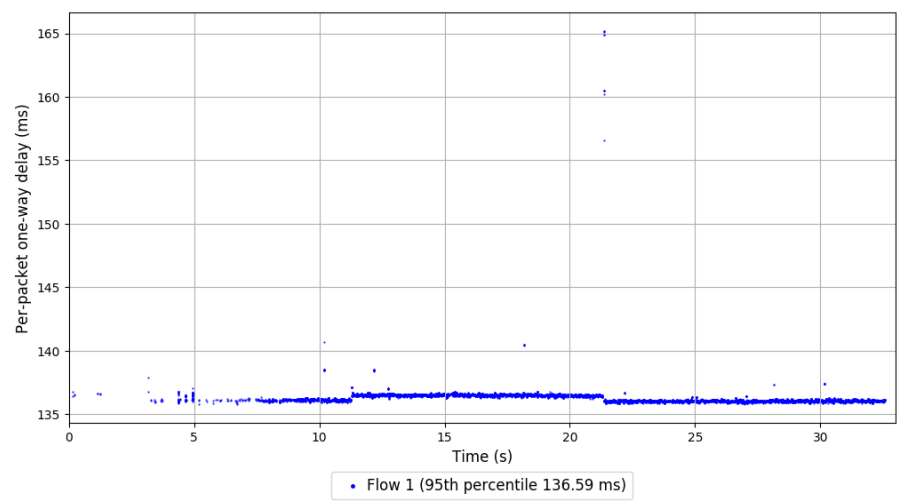
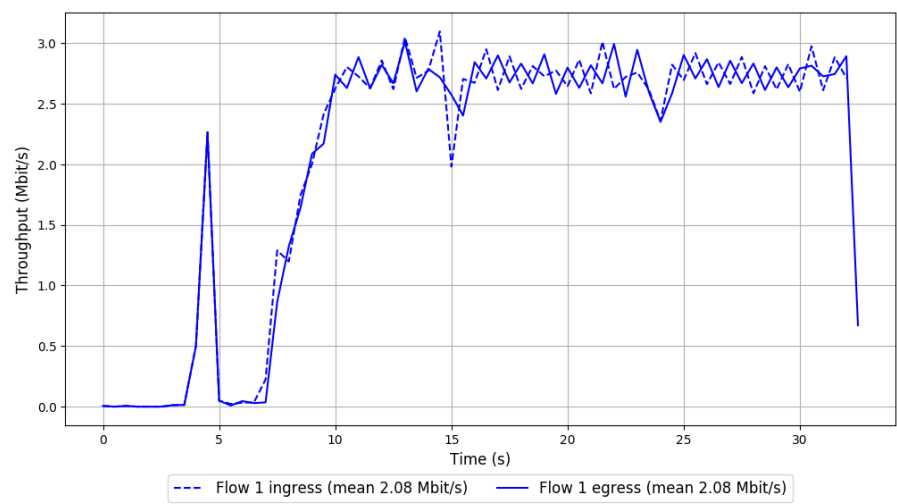
-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 136.595 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-31 04:40:23

End at: 2018-01-31 04:40:53

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

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

Loss rate: 0.00%

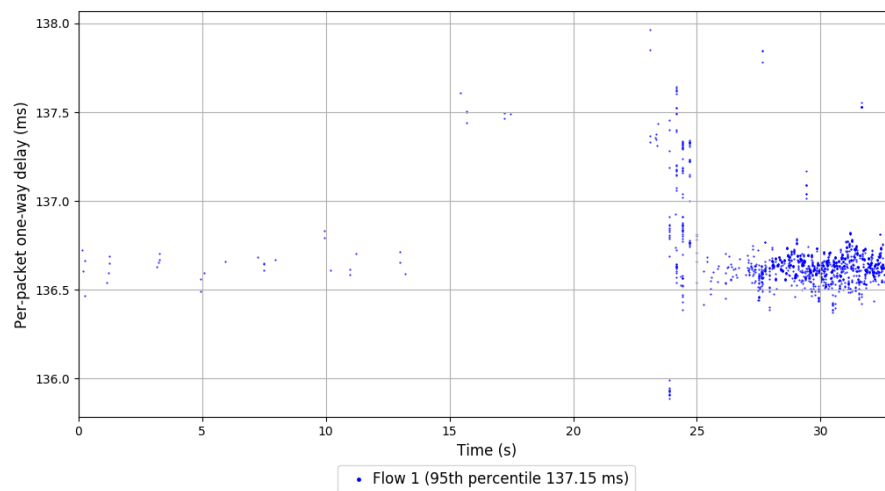
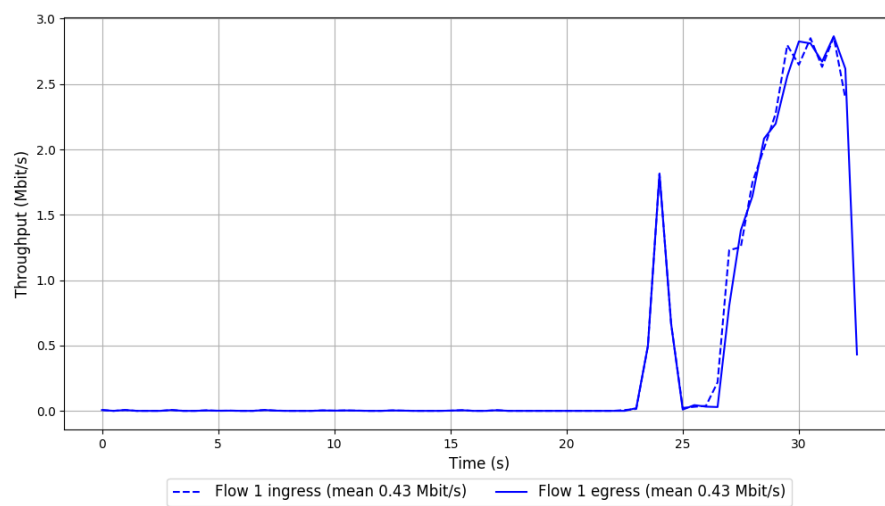
-- Flow 1:

Average throughput: 0.43 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-31 04:55:10

End at: 2018-01-31 04:55:41

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 136.655 ms

Loss rate: 0.00%

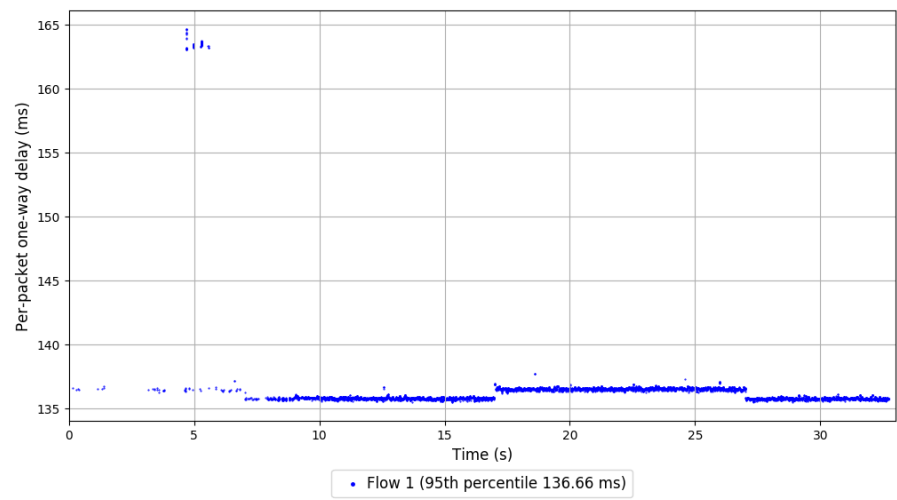
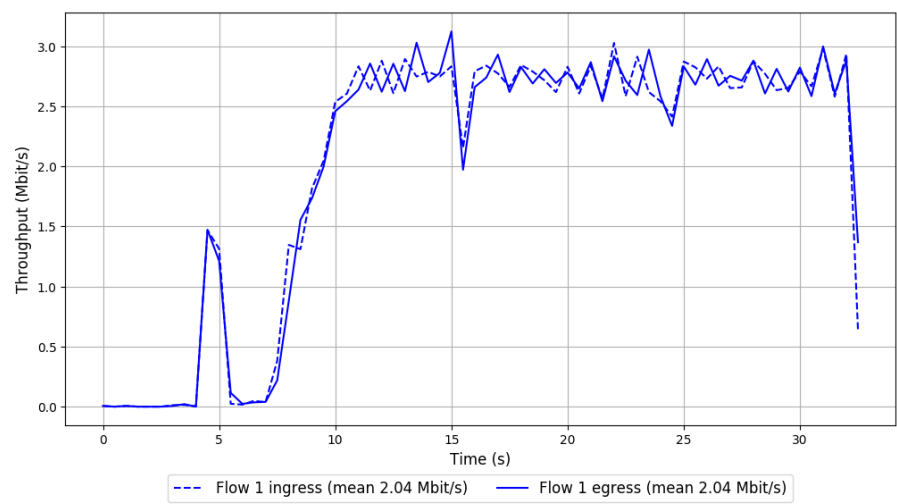
-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 136.655 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

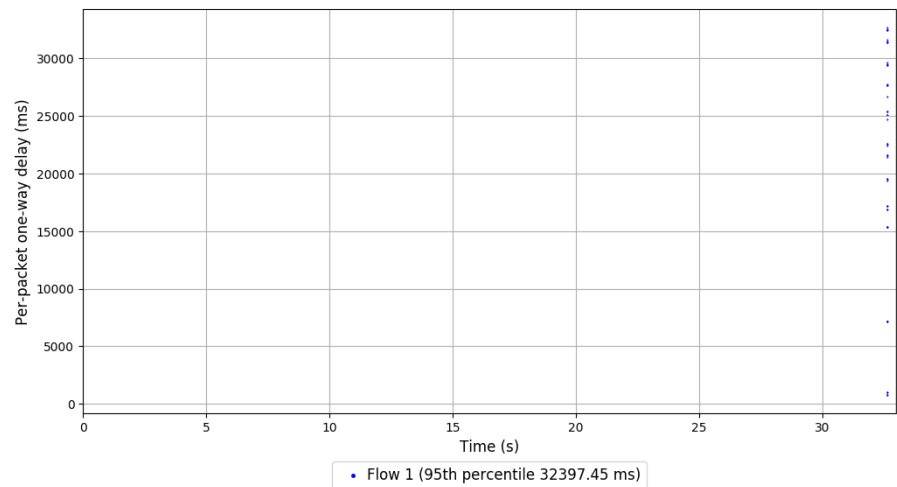
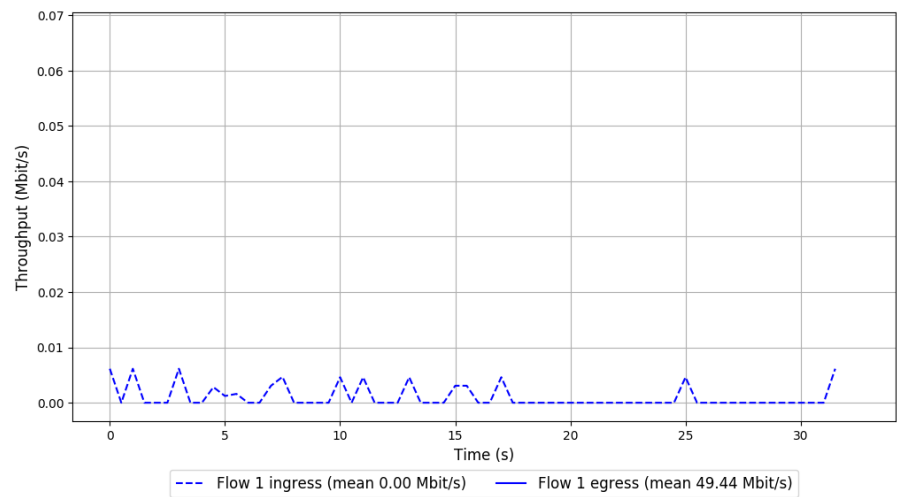


Run 8: Statistics of WebRTC media

Start at: 2018-01-31 05:10:20

End at: 2018-01-31 05:10:50

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-31 05:25:01

End at: 2018-01-31 05:25:32

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 136.688 ms

Loss rate: 0.00%

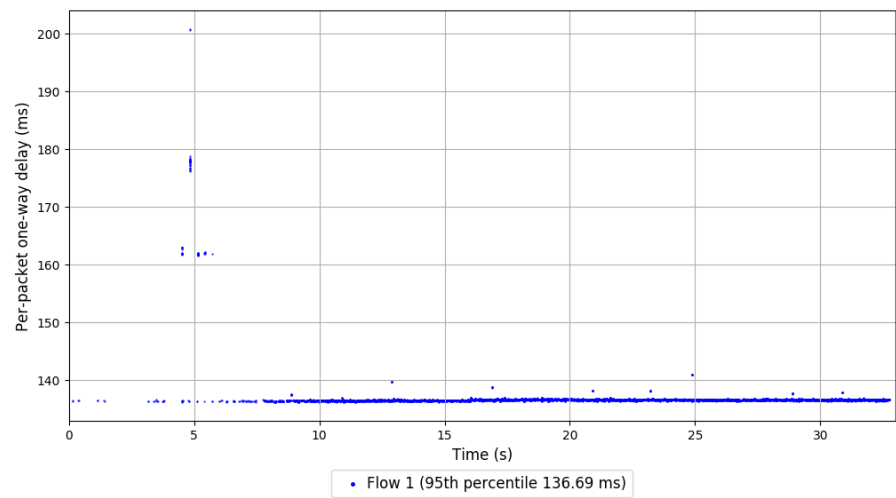
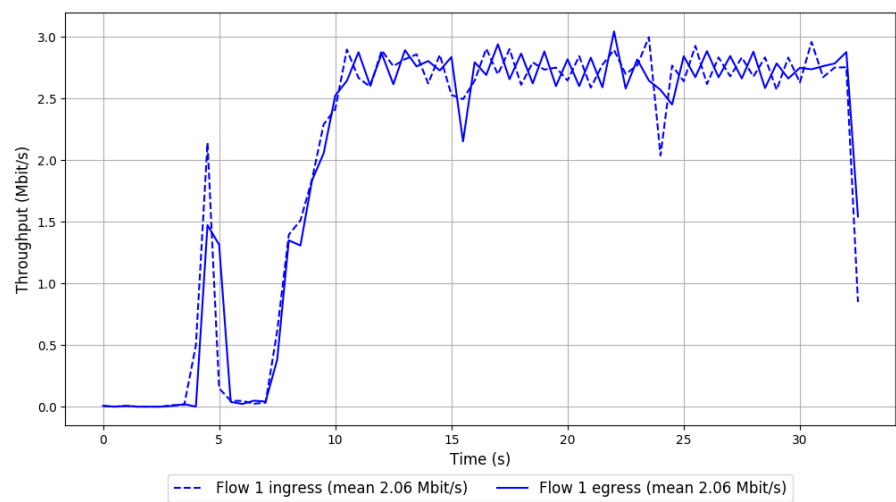
-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 136.688 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

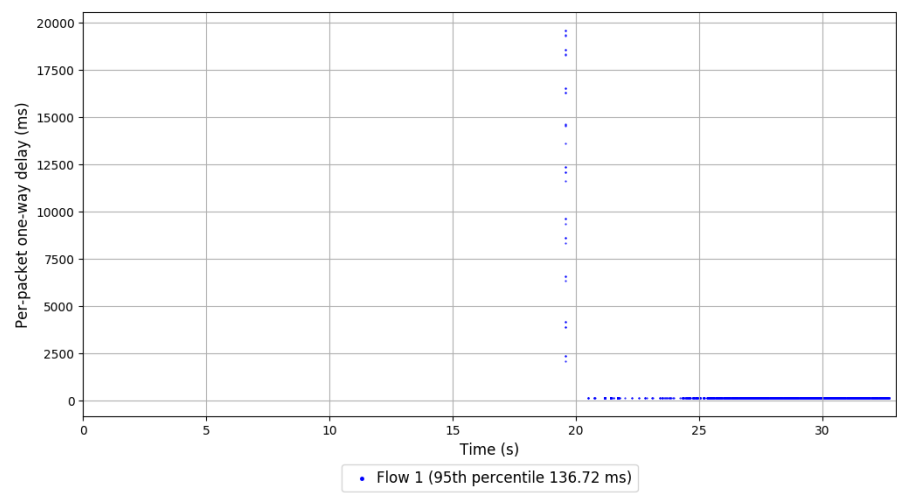
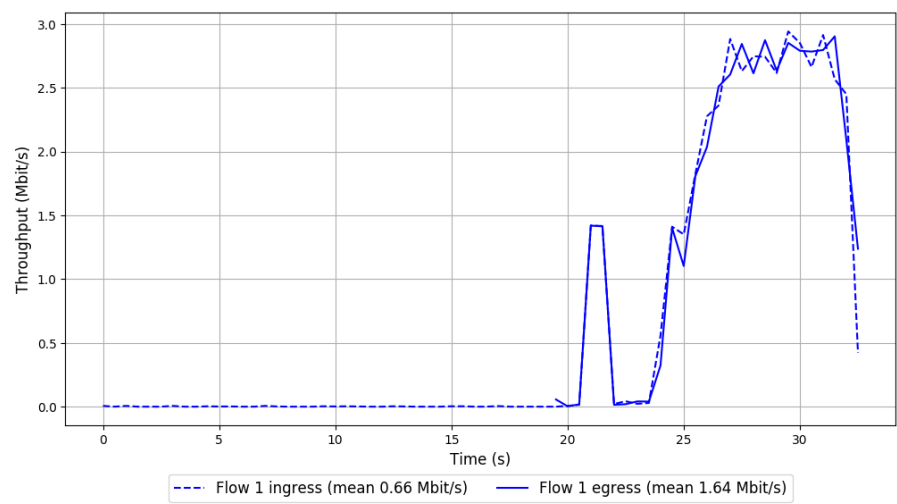


Run 10: Statistics of WebRTC media

Start at: 2018-01-31 05:40:04

End at: 2018-01-31 05:40:34

Run 10: Report of WebRTC media — Data Link

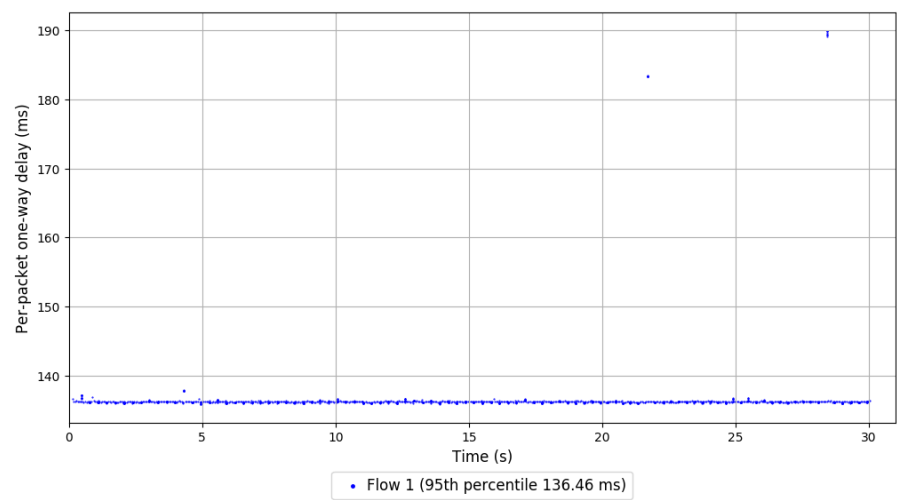
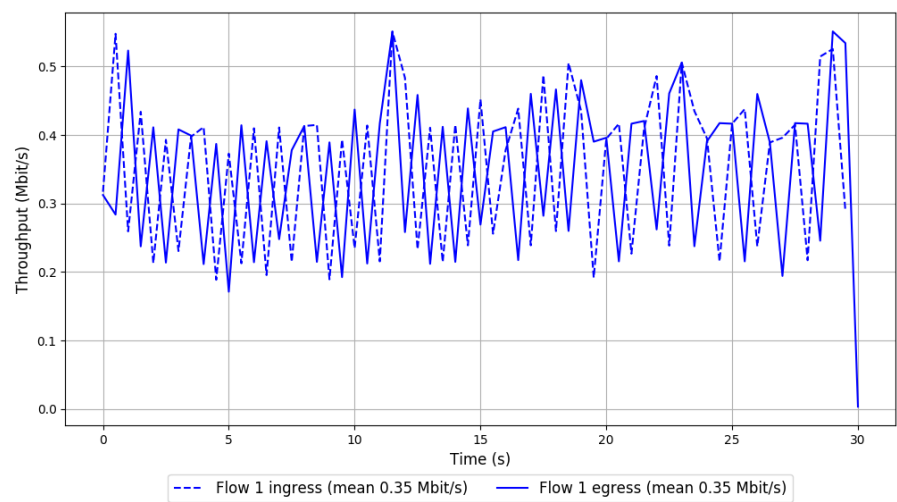


```
Run 1: Statistics of Sprout

Start at: 2018-01-31 03:16:06
End at: 2018-01-31 03:16:36

# Below is generated by plot.py at 2018-01-31 06:40:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.460 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

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

End at: 2018-01-31 03:31:30

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 136.826 ms

Loss rate: 0.00%

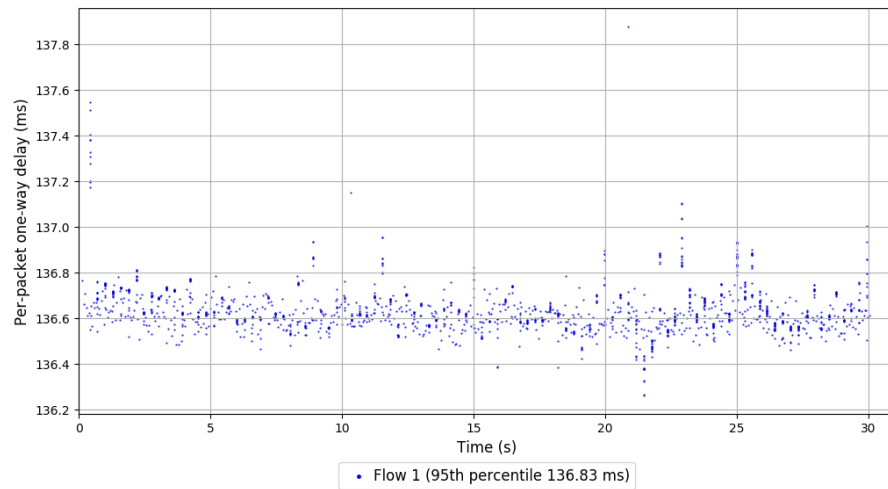
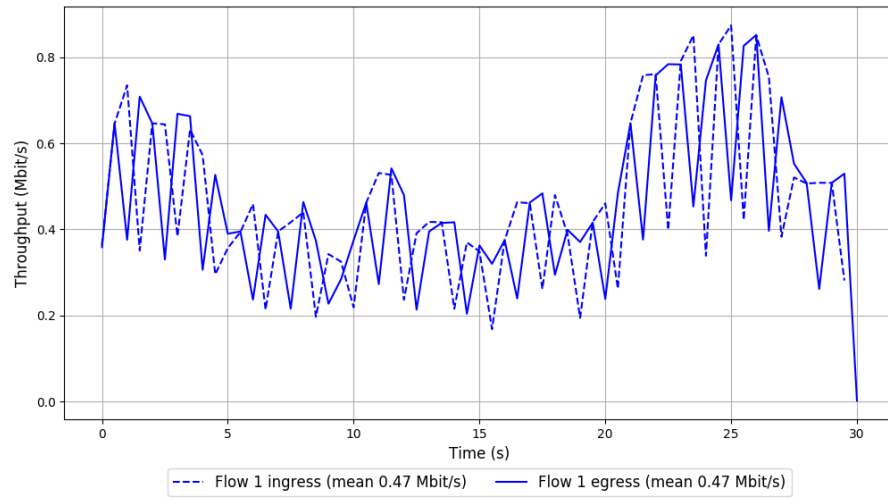
-- Flow 1:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 136.826 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-31 03:46:41

End at: 2018-01-31 03:47:11

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 136.994 ms

Loss rate: 0.00%

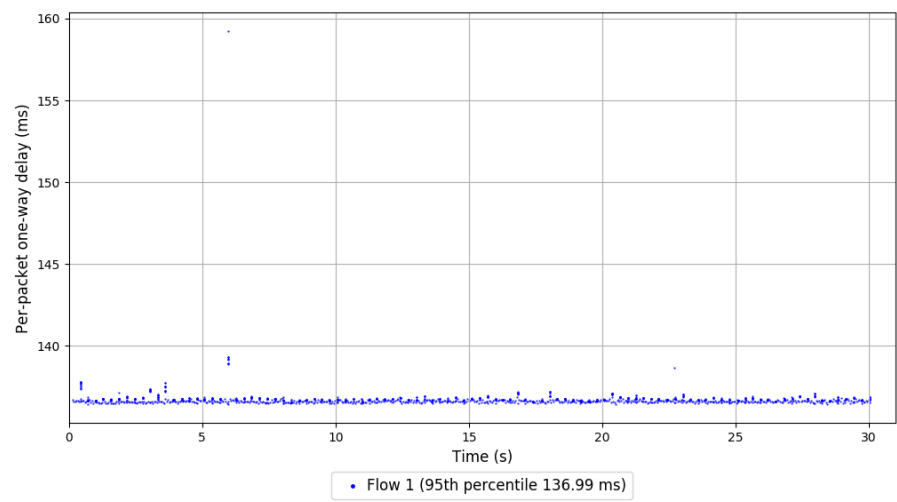
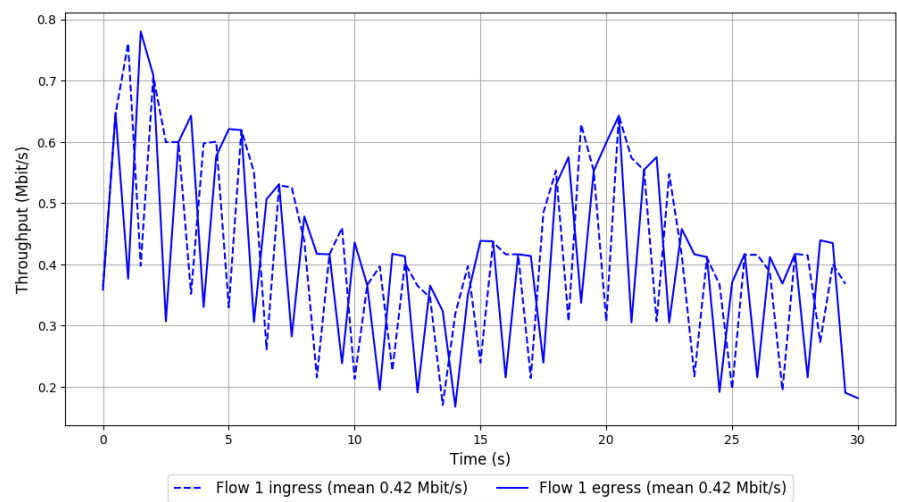
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 136.994 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-31 04:01:14

End at: 2018-01-31 04:01:44

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 137.145 ms

Loss rate: 0.00%

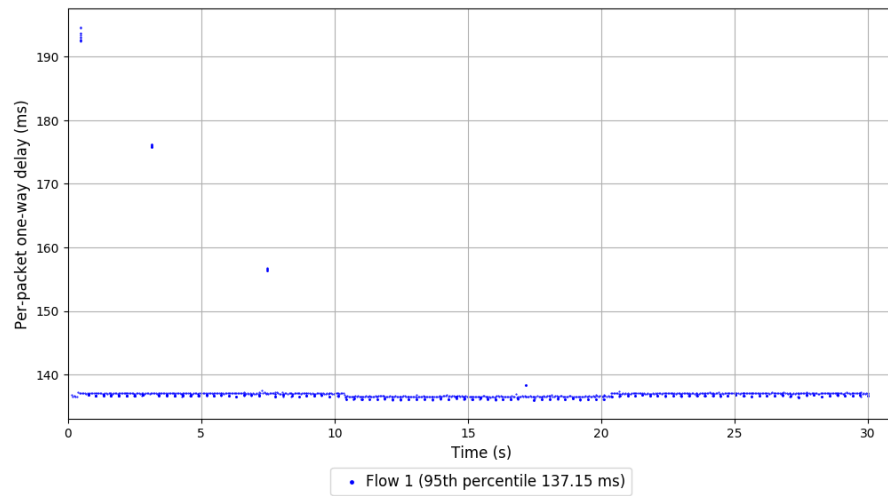
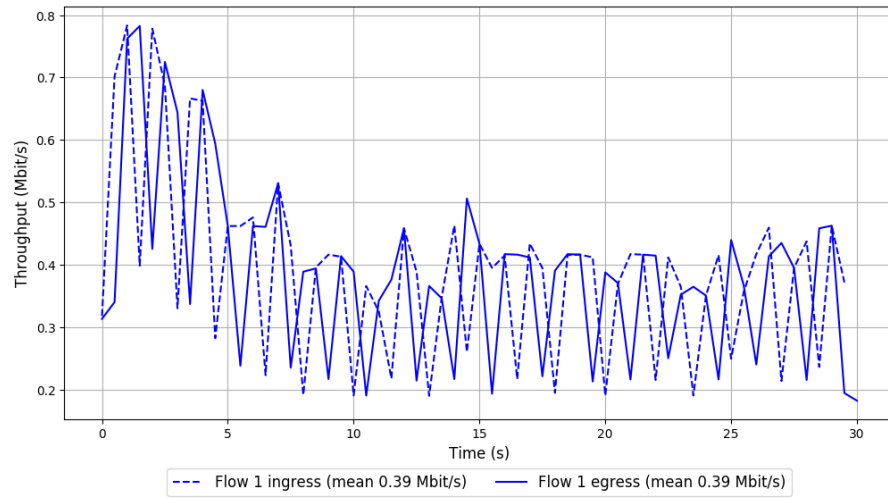
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 137.145 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-31 04:15:47

End at: 2018-01-31 04:16:17

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 137.043 ms

Loss rate: 0.00%

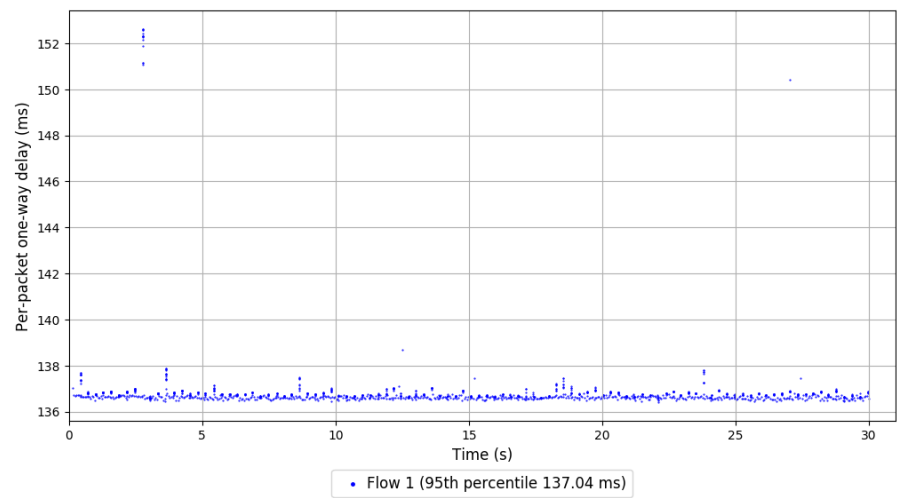
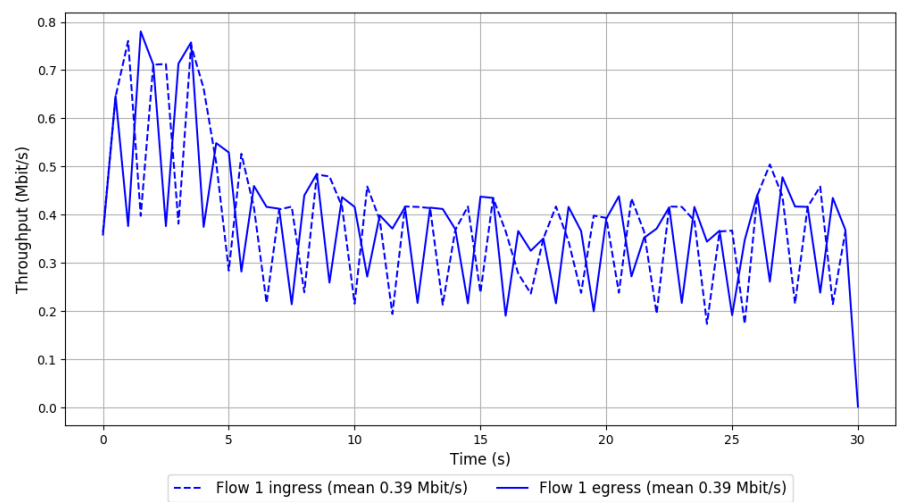
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 137.043 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-31 04:30:54

End at: 2018-01-31 04:31:24

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.844 ms

Loss rate: 0.00%

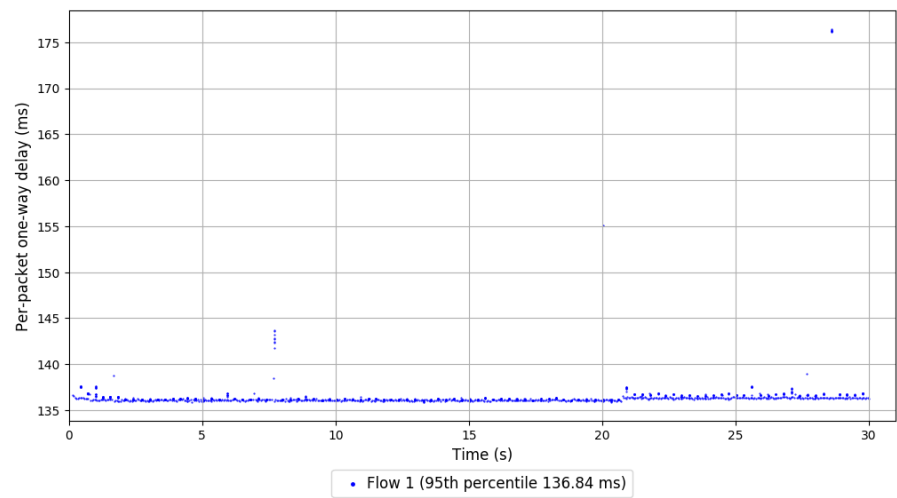
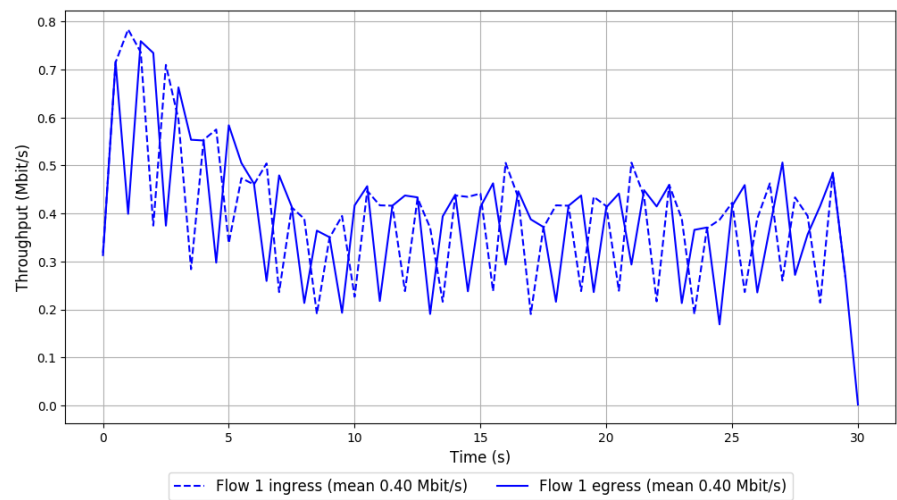
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.844 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-31 04:45:58

End at: 2018-01-31 04:46:28

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 136.971 ms

Loss rate: 0.00%

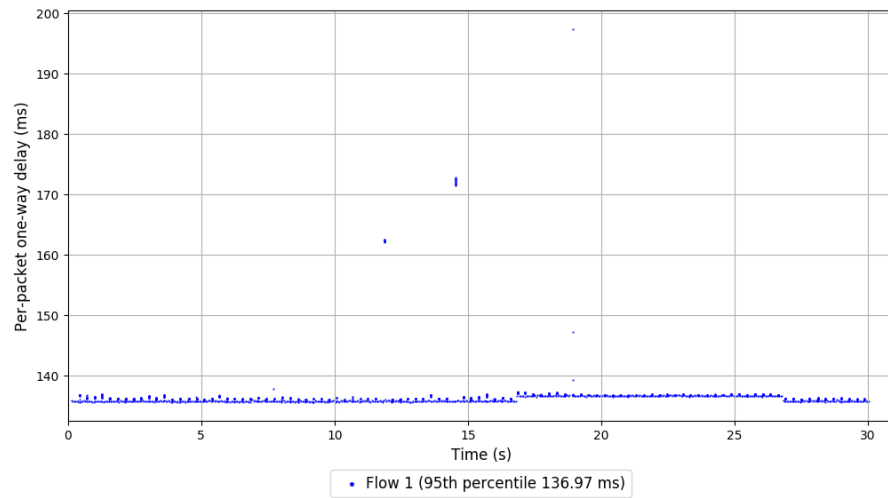
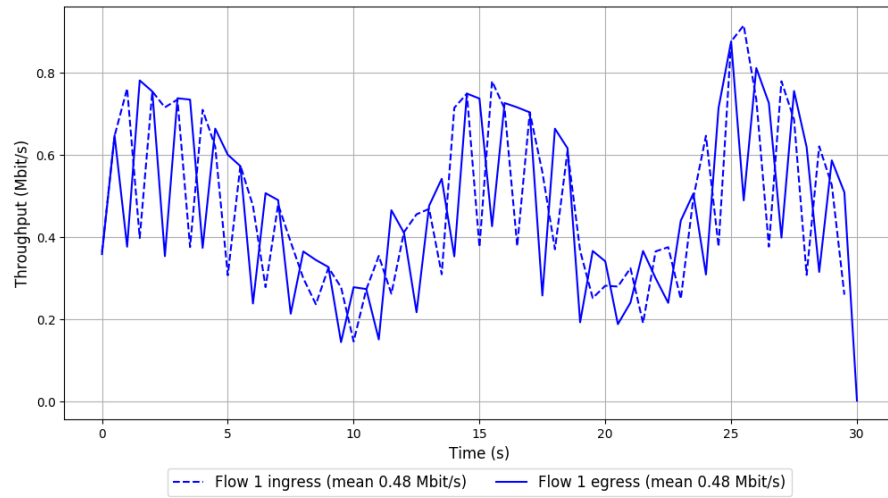
-- Flow 1:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 136.971 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-31 05:00:35

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

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 163.437 ms

Loss rate: 0.00%

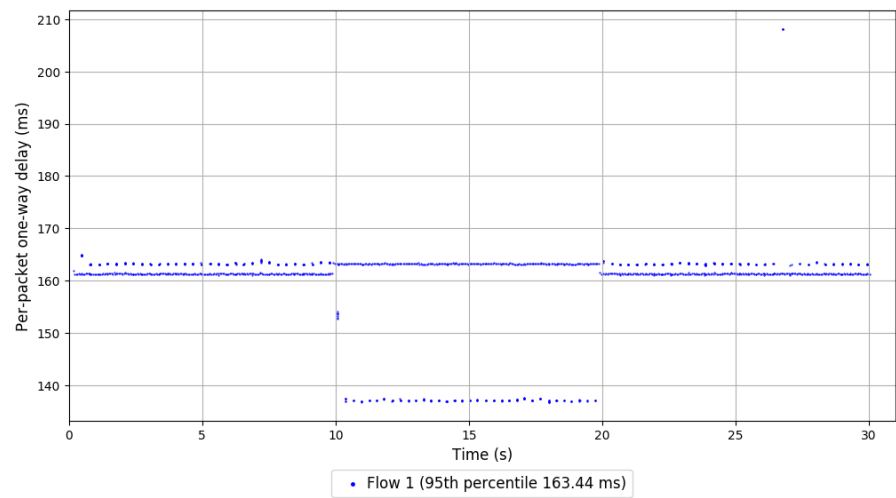
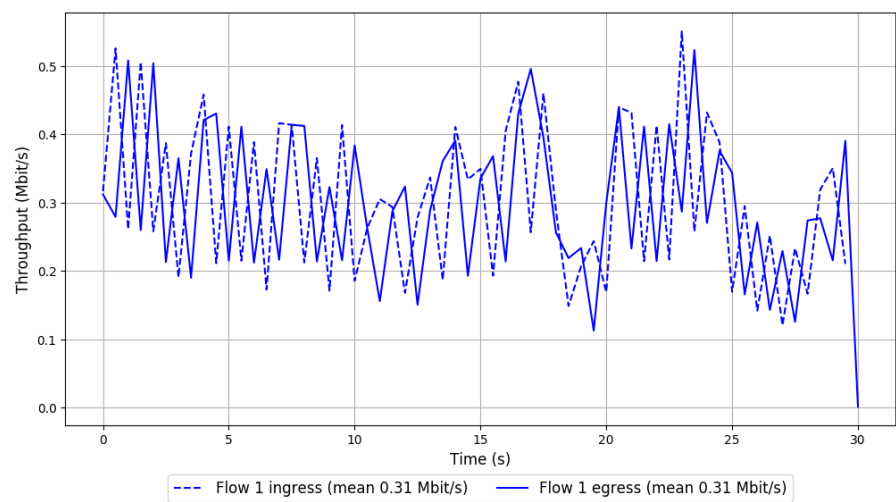
-- Flow 1:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 163.437 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-31 05:15:27

End at: 2018-01-31 05:15:57

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 161.121 ms

Loss rate: 0.00%

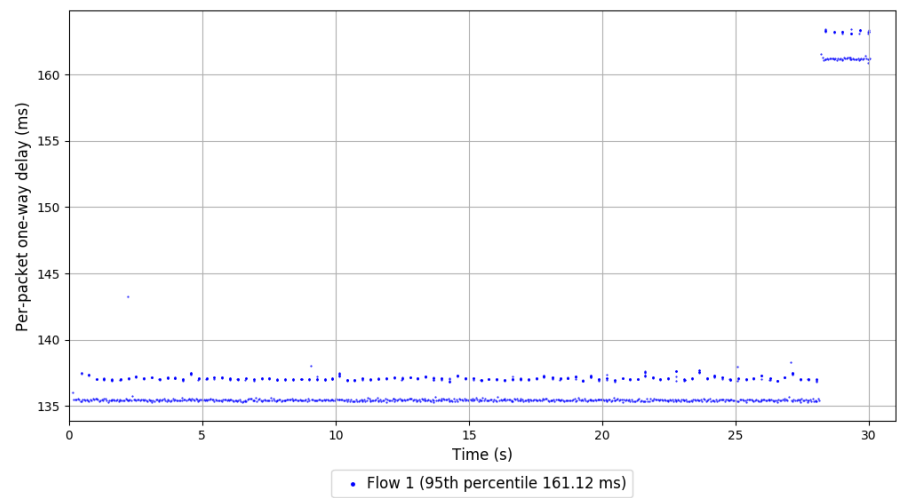
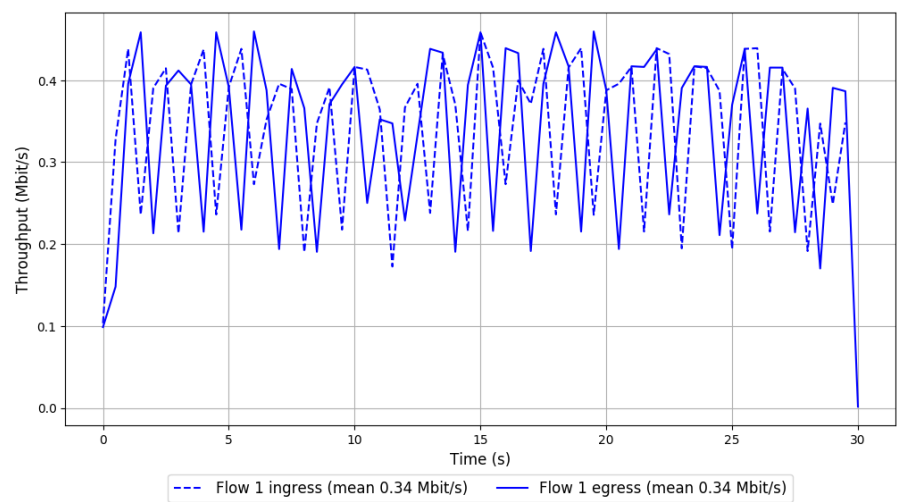
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 161.121 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-31 05:30:09

End at: 2018-01-31 05:30:39

Below is generated by plot.py at 2018-01-31 06:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 161.973 ms

Loss rate: 0.01%

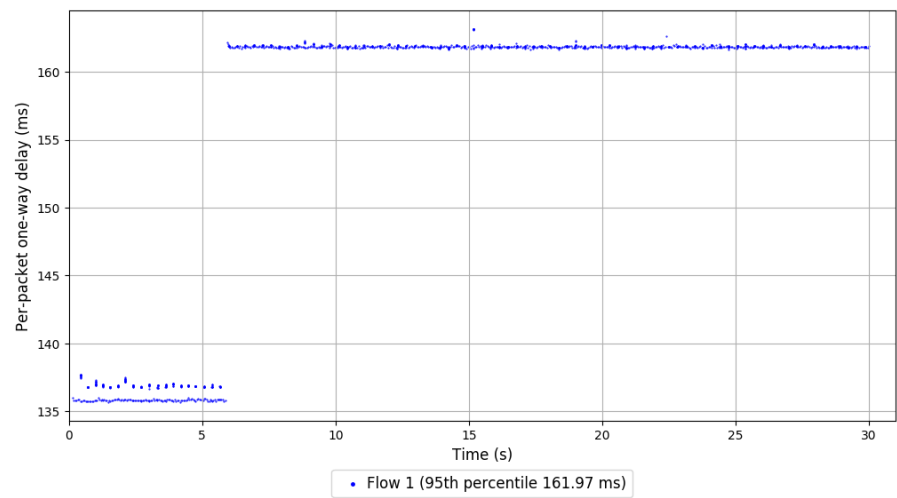
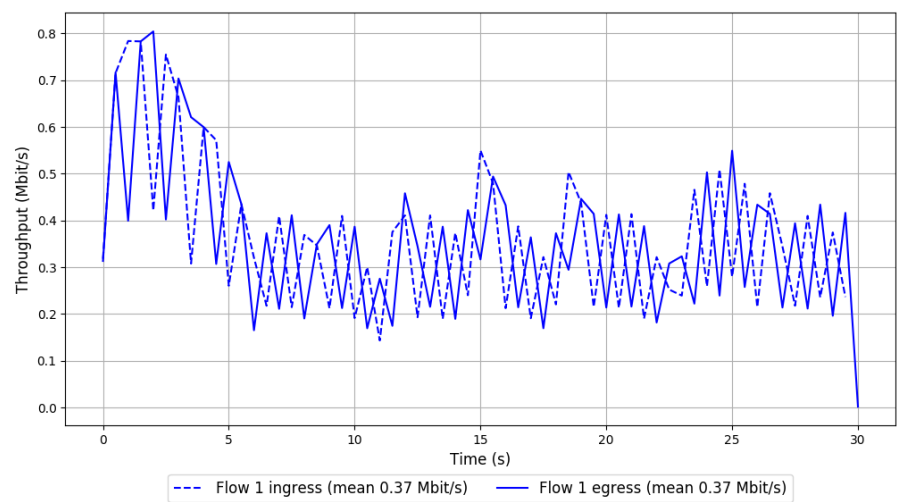
-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 161.973 ms

Loss rate: 0.01%

Run 10: Report of Sprout — Data Link

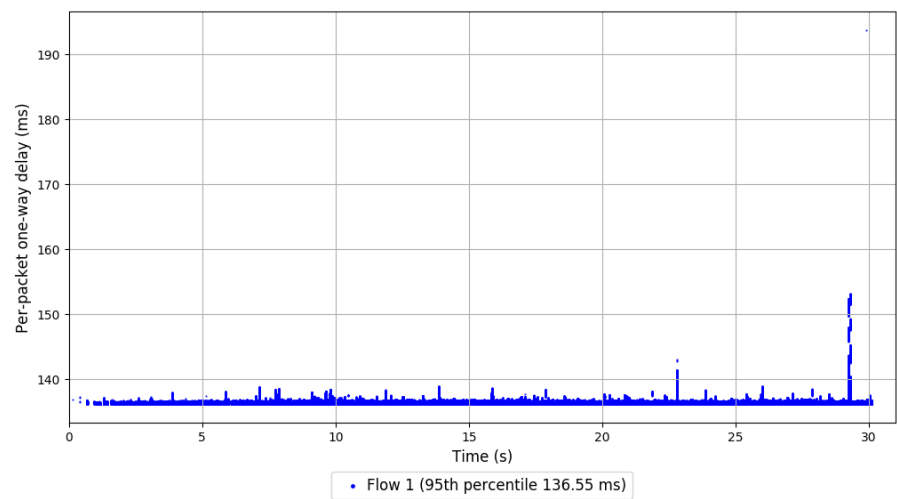
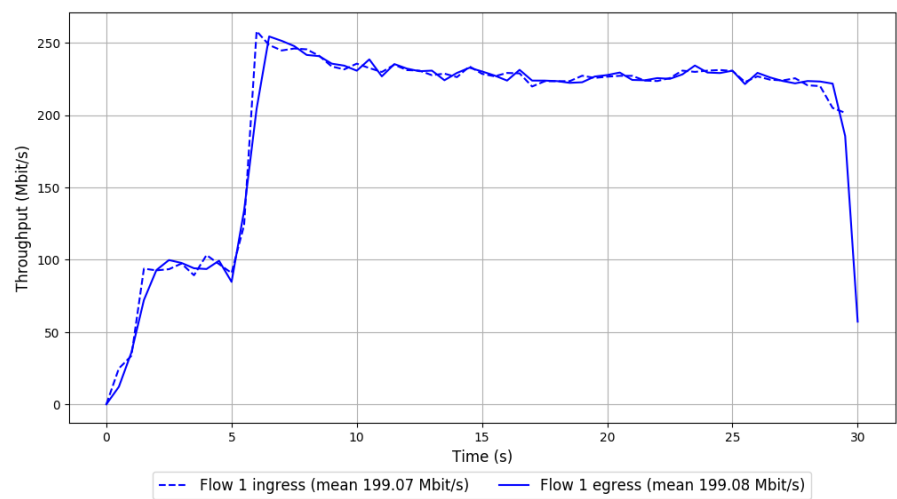


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-31 03:14:19
End at: 2018-01-31 03:14:49

# Below is generated by plot.py at 2018-01-31 06:45:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.08 Mbit/s
95th percentile per-packet one-way delay: 136.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.08 Mbit/s
95th percentile per-packet one-way delay: 136.549 ms
Loss rate: 0.00%
```


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

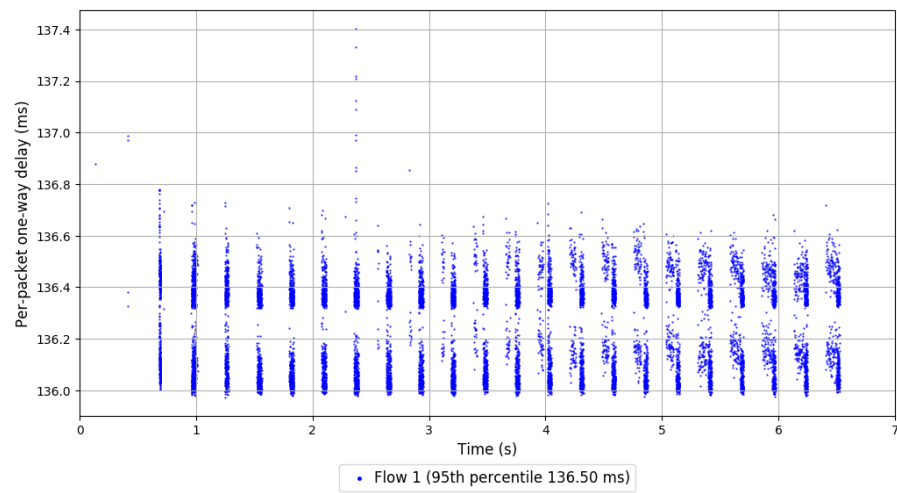
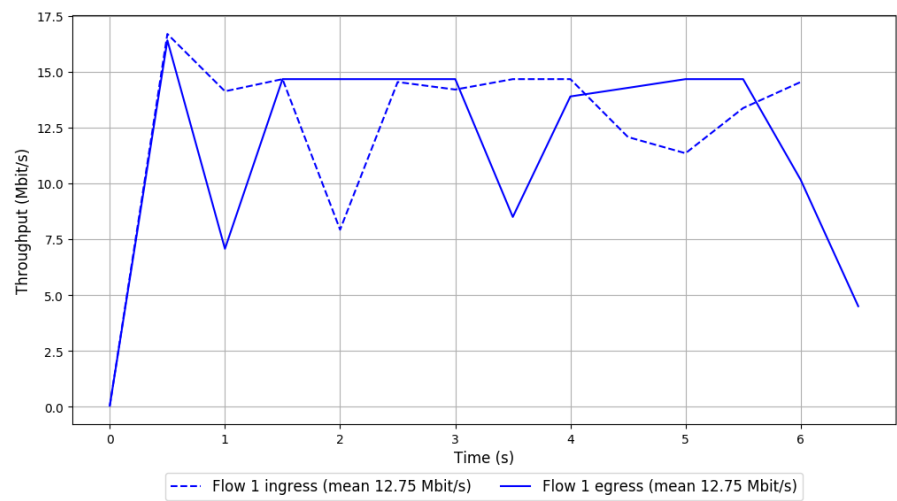


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-31 03:29:33

End at: 2018-01-31 03:30:03

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-31 03:44:56

End at: 2018-01-31 03:45:26

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.14 Mbit/s

95th percentile per-packet one-way delay: 136.632 ms

Loss rate: 0.04%

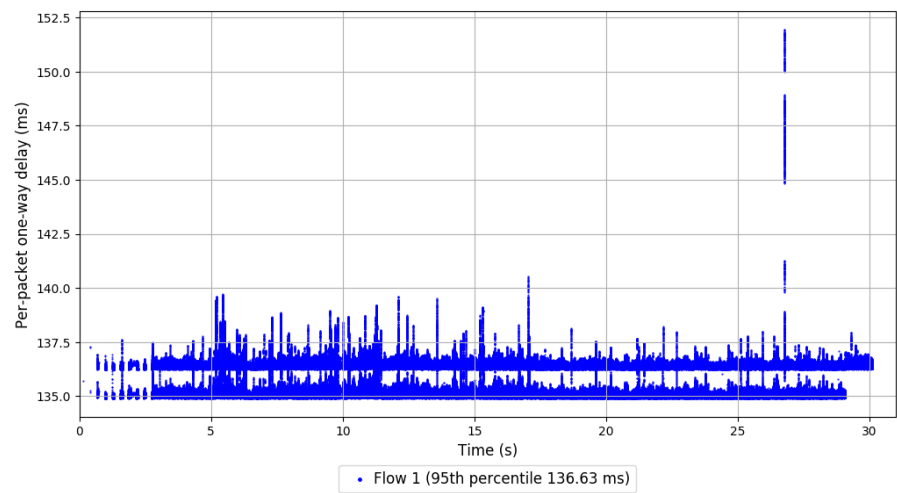
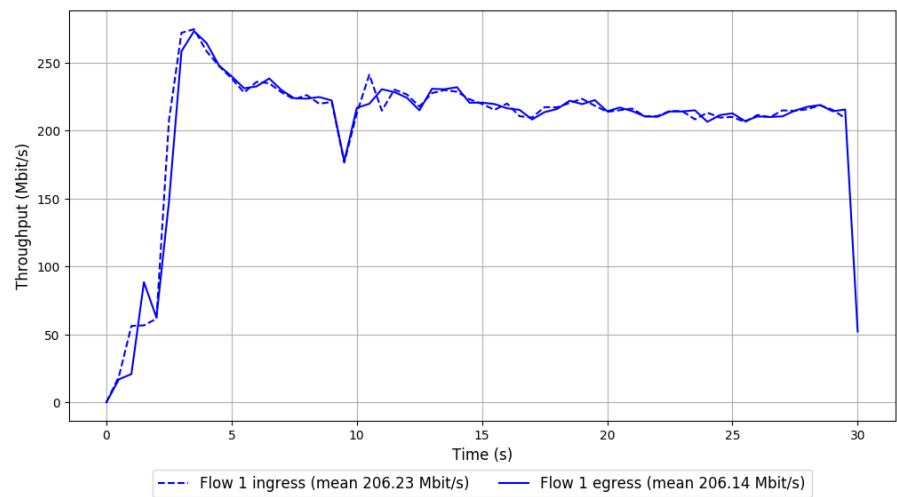
-- Flow 1:

Average throughput: 206.14 Mbit/s

95th percentile per-packet one-way delay: 136.632 ms

Loss rate: 0.04%

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

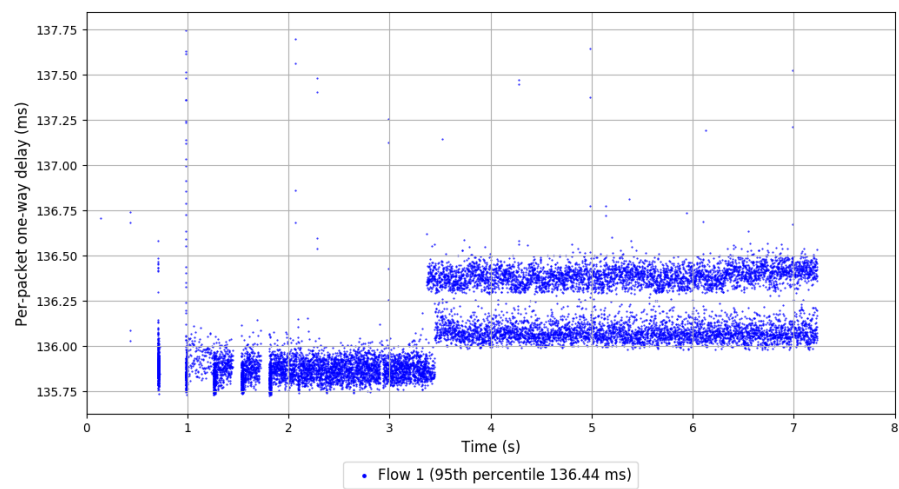
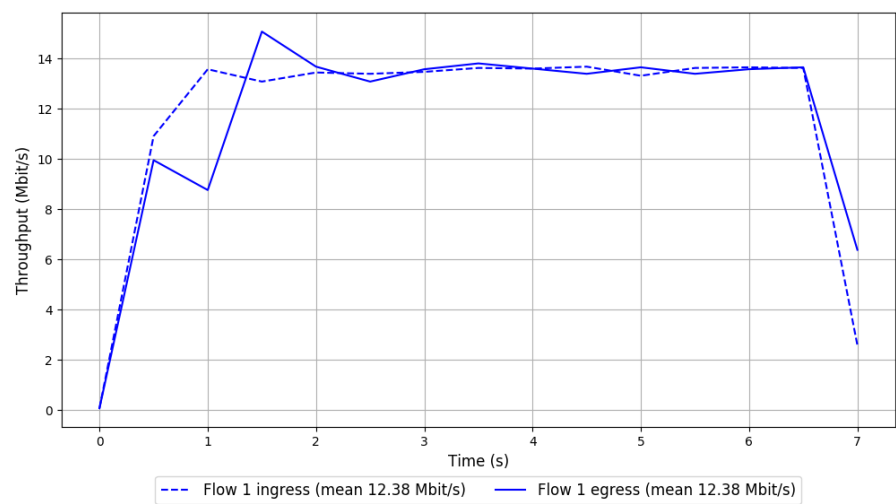


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-31 03:59:49

End at: 2018-01-31 04:00:19

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

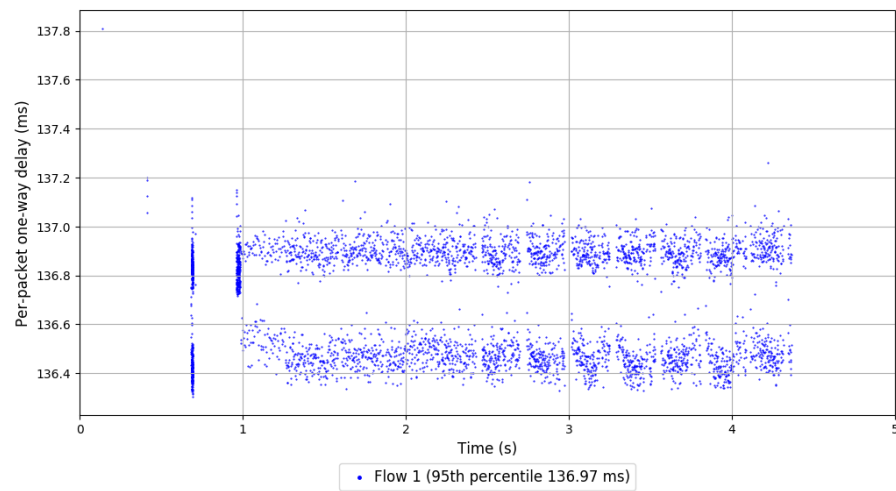
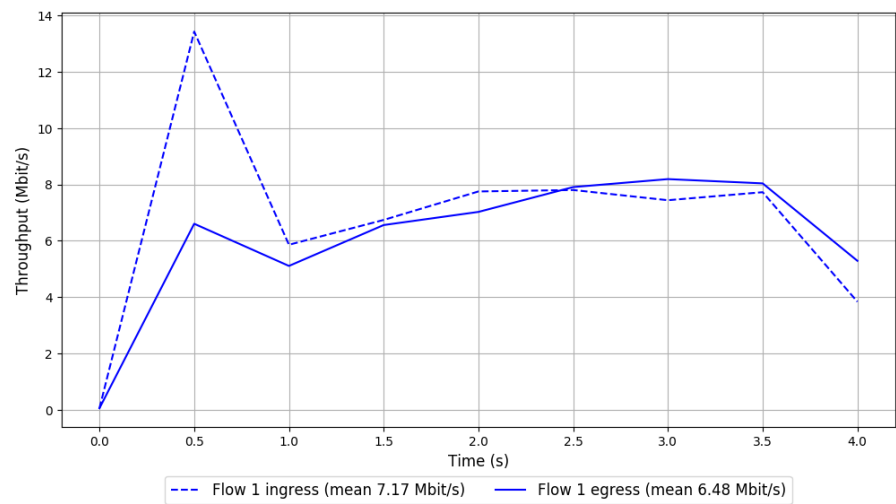


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-31 04:14:20

End at: 2018-01-31 04:14:50

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

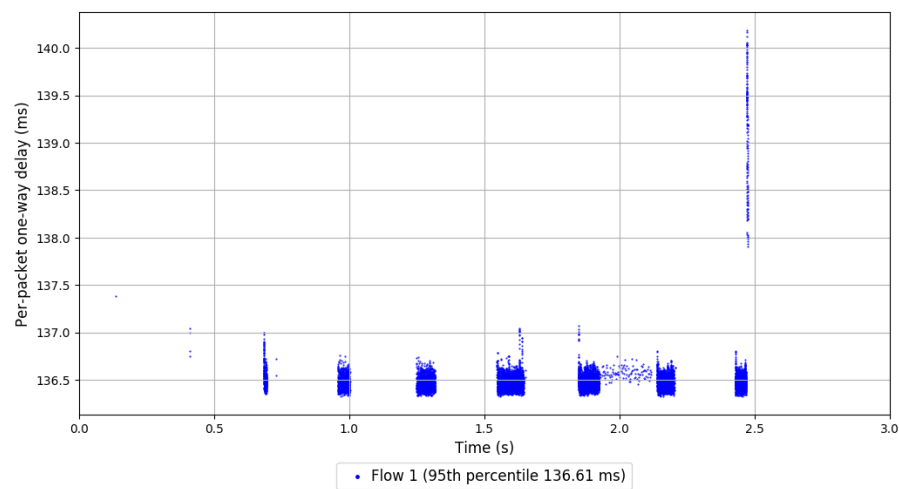
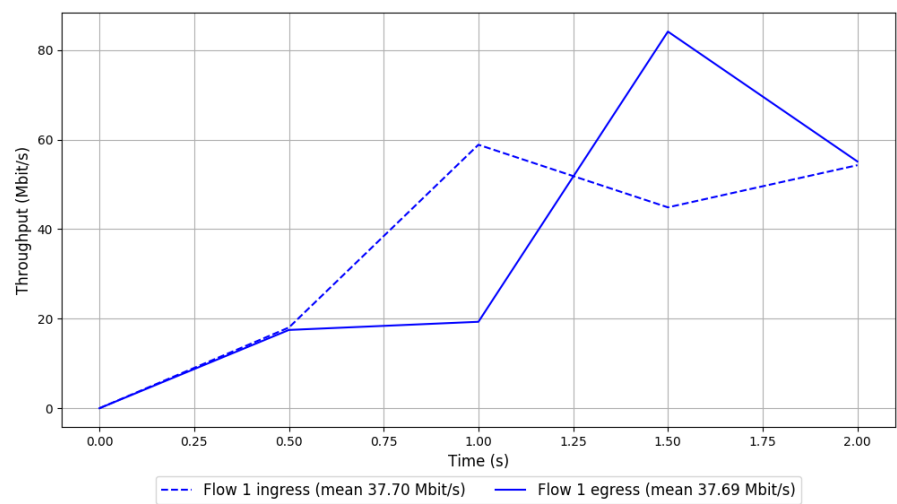


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-31 04:29:28

End at: 2018-01-31 04:29:58

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

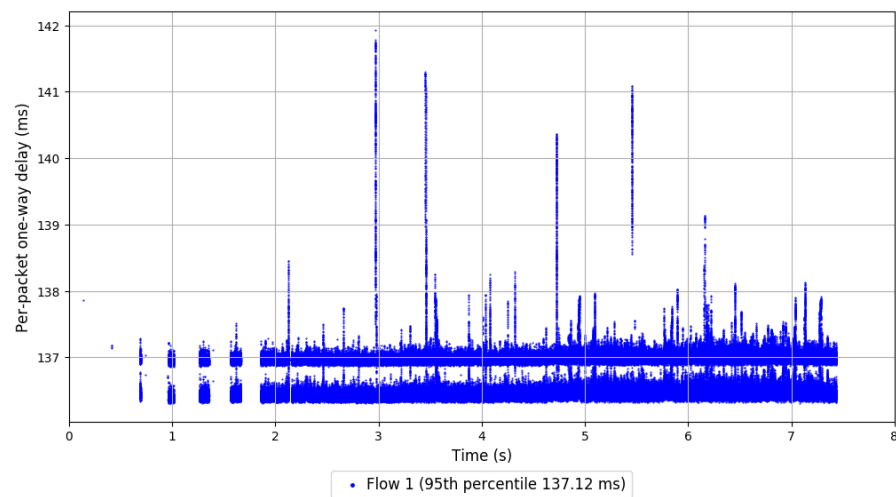
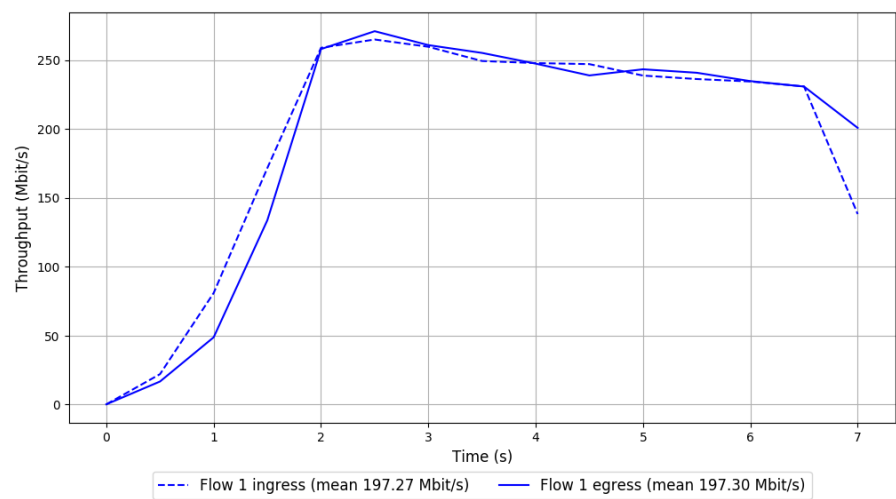


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-31 04:44:28

End at: 2018-01-31 04:44:58

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-31 04:59:08

End at: 2018-01-31 04:59:38

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 162.991 ms

Loss rate: 4.34%

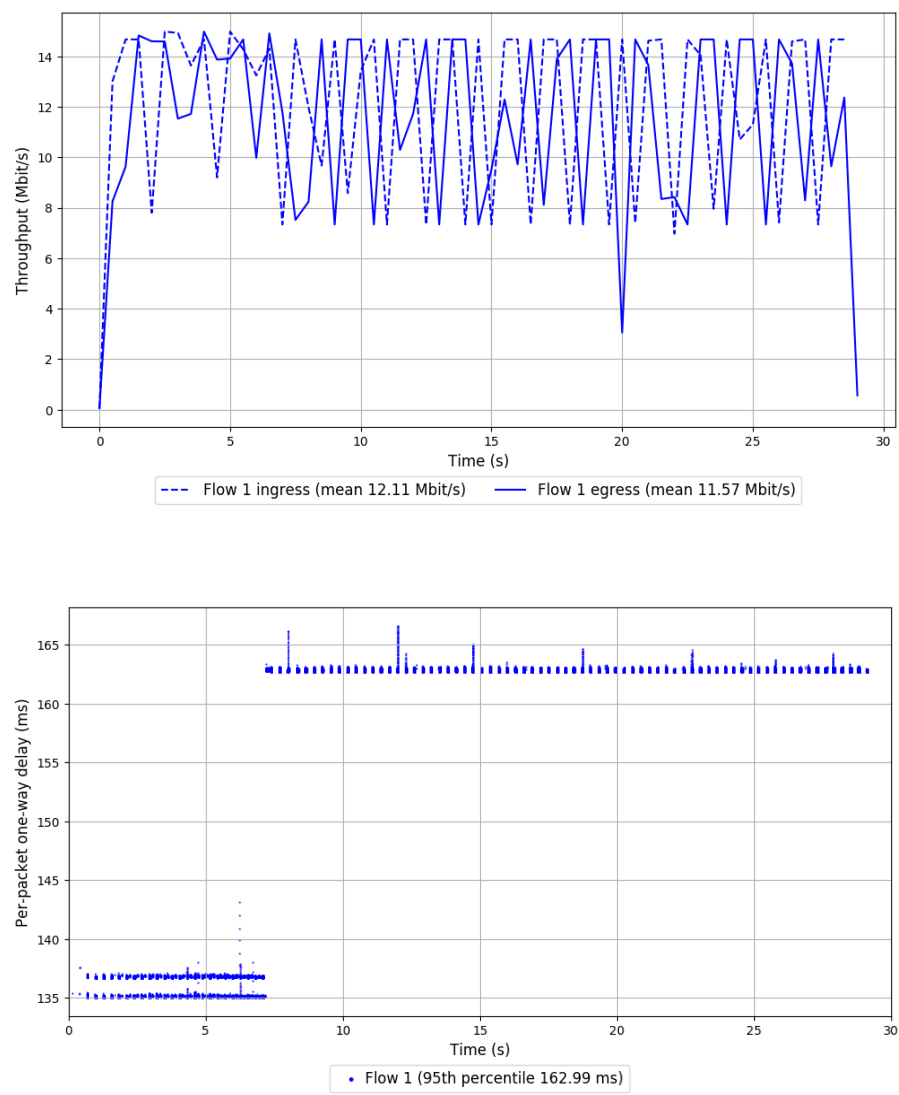
-- Flow 1:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 162.991 ms

Loss rate: 4.34%

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

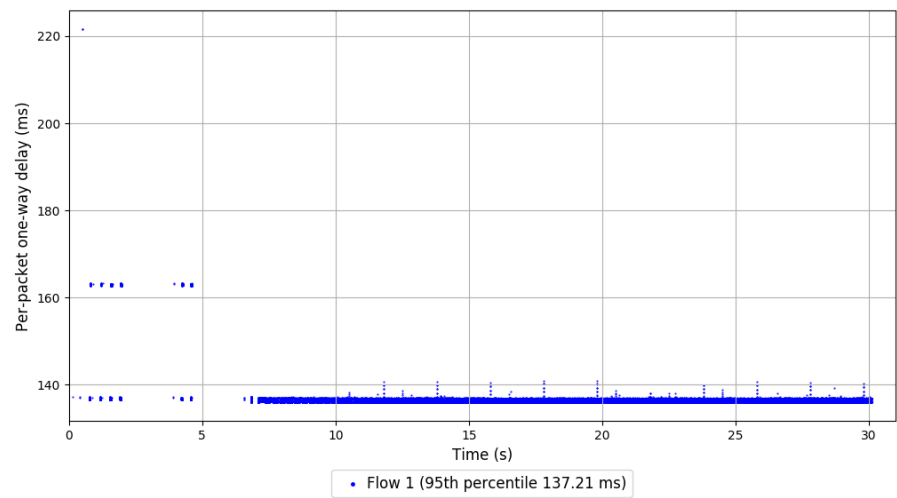
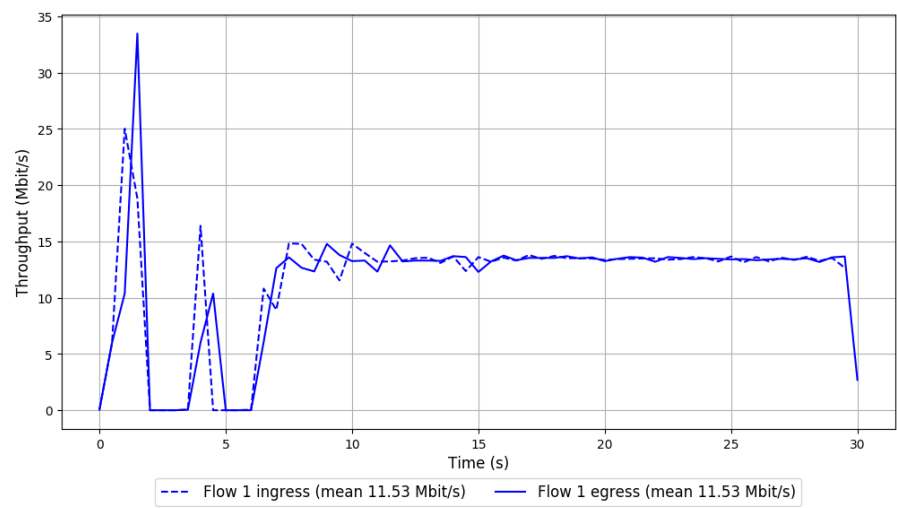


```
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-31 05:14:00
End at: 2018-01-31 05:14:30

# Below is generated by plot.py at 2018-01-31 06:45:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 137.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 137.213 ms
Loss rate: 0.00%
```


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

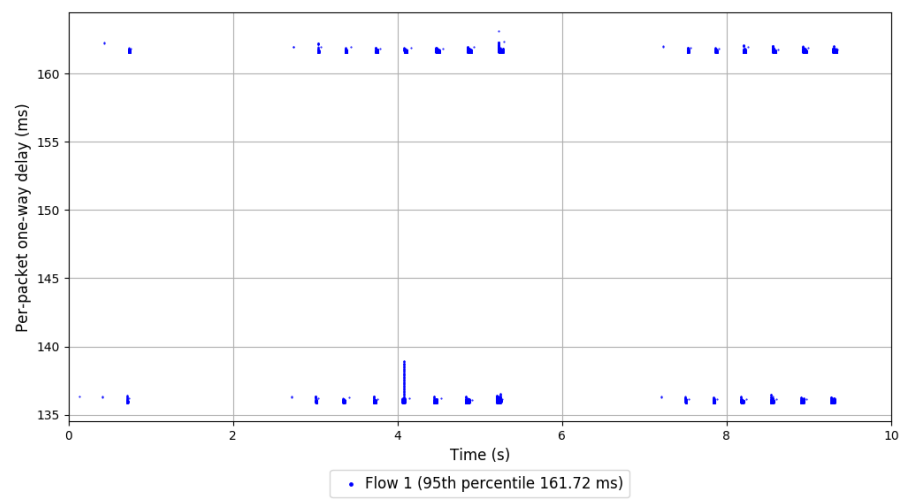
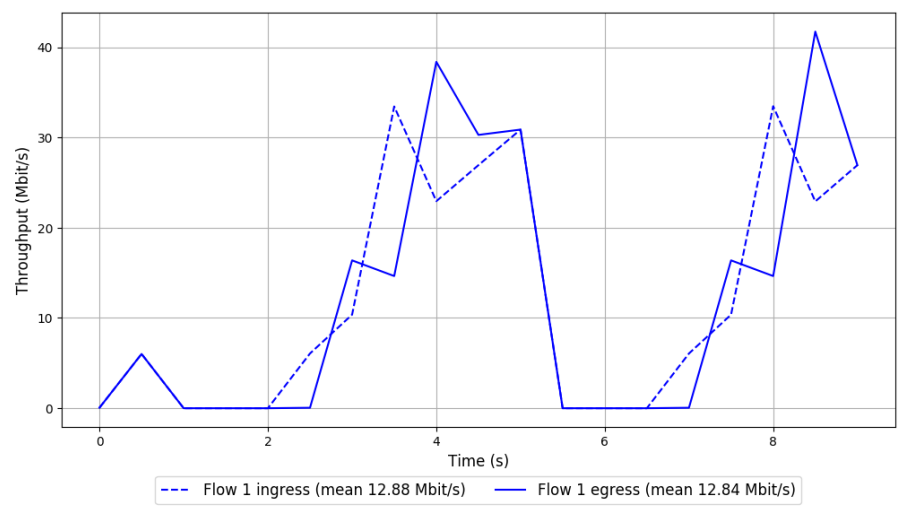


Run 10: Statistics of TaoVA-100x

Start at: 2018-01-31 05:28:42

End at: 2018-01-31 05:29:12

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-31 03:15:21

End at: 2018-01-31 03:15:51

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.90 Mbit/s

95th percentile per-packet one-way delay: 139.236 ms

Loss rate: 0.02%

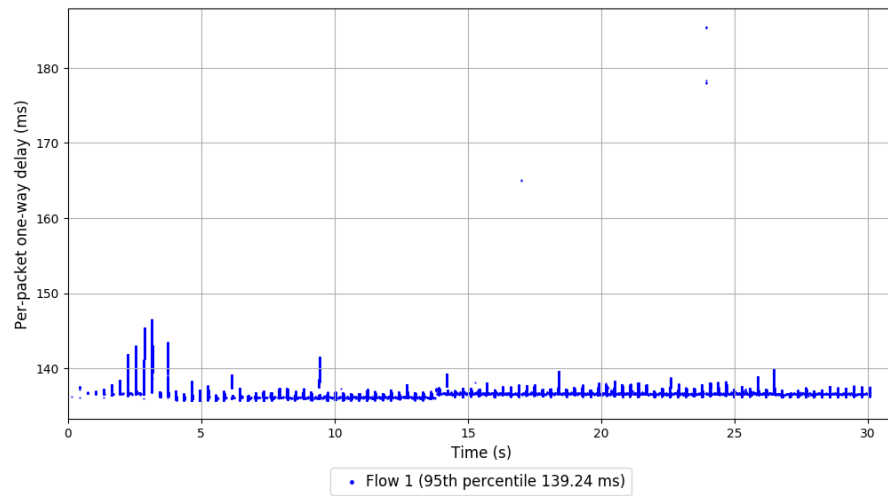
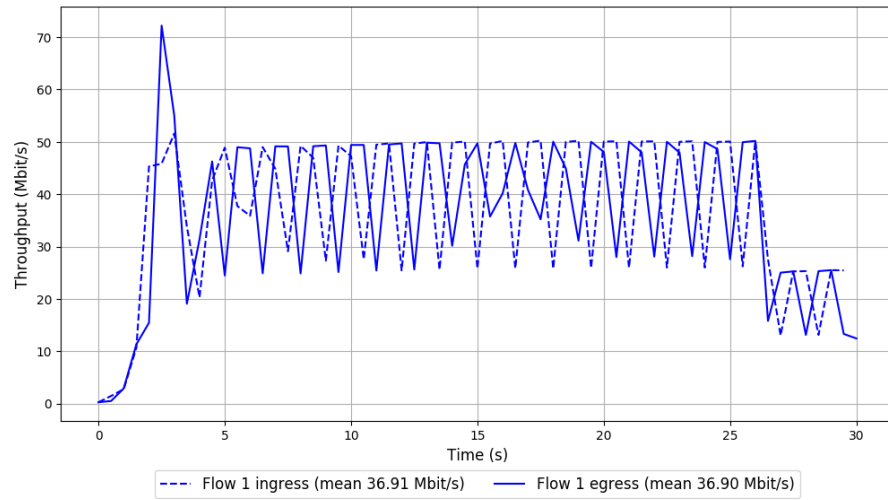
-- Flow 1:

Average throughput: 36.90 Mbit/s

95th percentile per-packet one-way delay: 139.236 ms

Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-31 03:30:16

End at: 2018-01-31 03:30:46

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.26 Mbit/s

95th percentile per-packet one-way delay: 142.373 ms

Loss rate: 1.81%

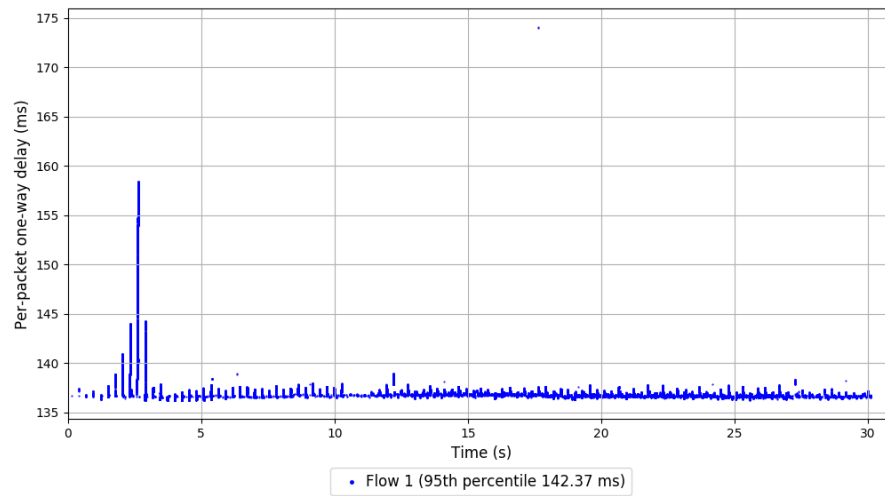
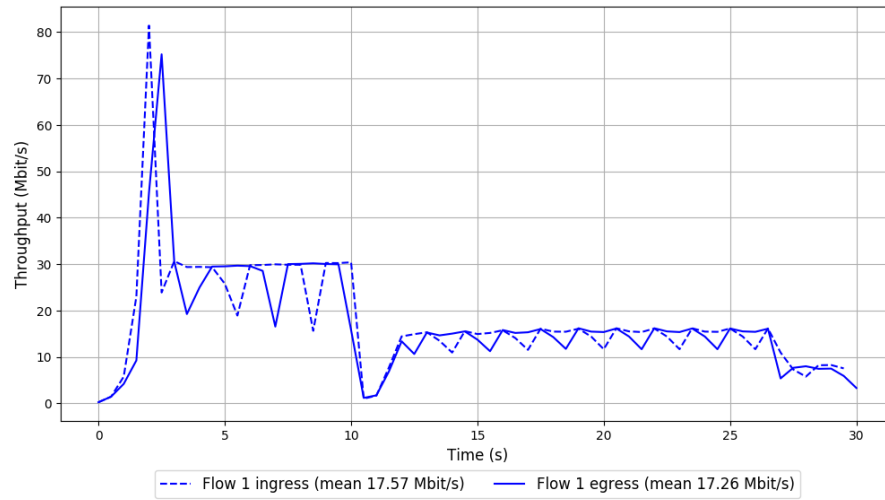
-- Flow 1:

Average throughput: 17.26 Mbit/s

95th percentile per-packet one-way delay: 142.373 ms

Loss rate: 1.81%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-31 03:45:58

End at: 2018-01-31 03:46:28

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 137.329 ms

Loss rate: 0.44%

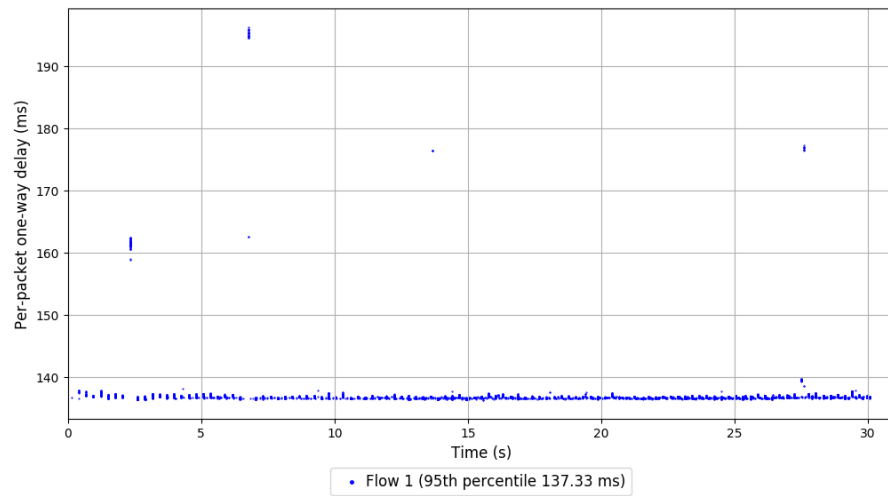
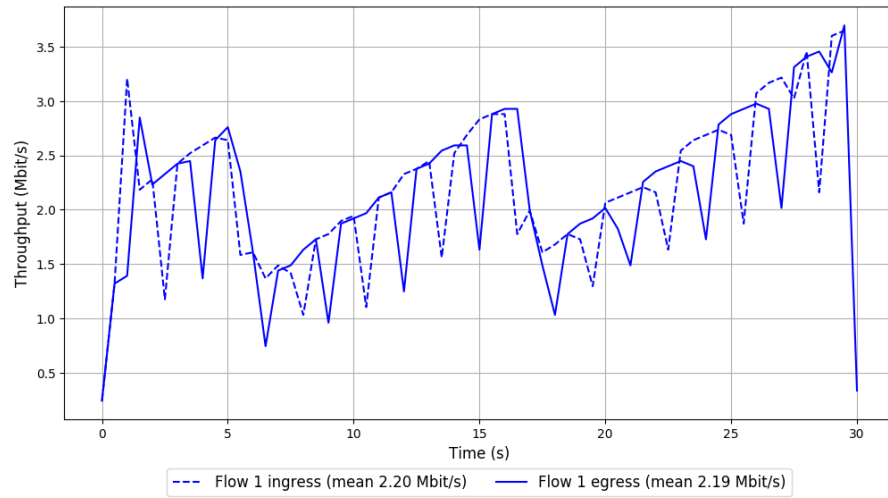
-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 137.329 ms

Loss rate: 0.44%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-31 04:00:31

End at: 2018-01-31 04:01:02

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.41 Mbit/s

95th percentile per-packet one-way delay: 137.184 ms

Loss rate: 0.03%

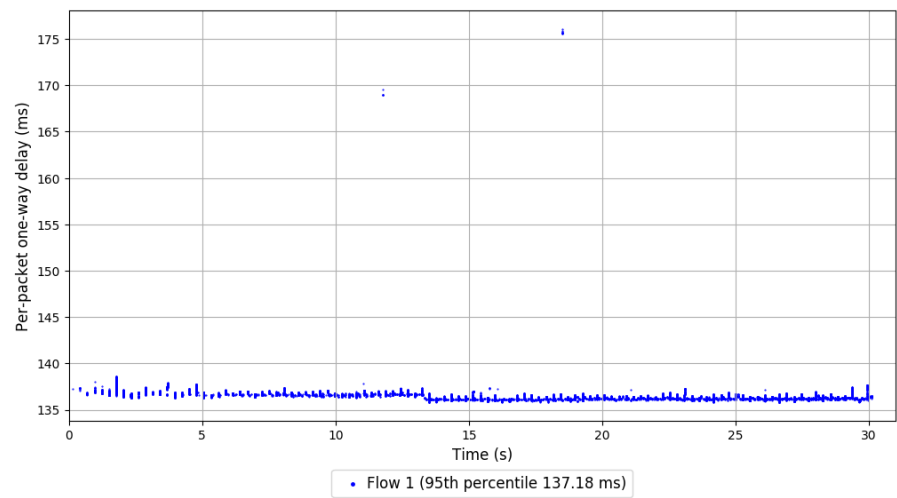
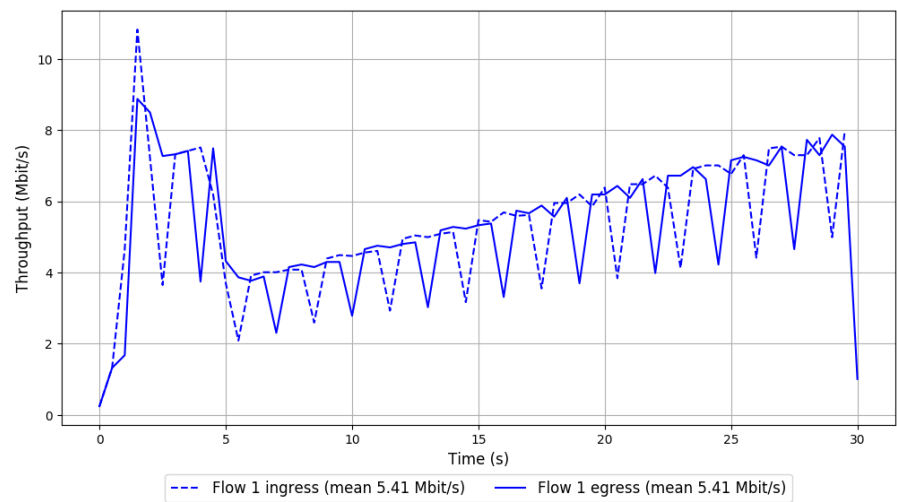
-- Flow 1:

Average throughput: 5.41 Mbit/s

95th percentile per-packet one-way delay: 137.184 ms

Loss rate: 0.03%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-31 04:15:03

End at: 2018-01-31 04:15:33

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.09 Mbit/s

95th percentile per-packet one-way delay: 142.378 ms

Loss rate: 0.15%

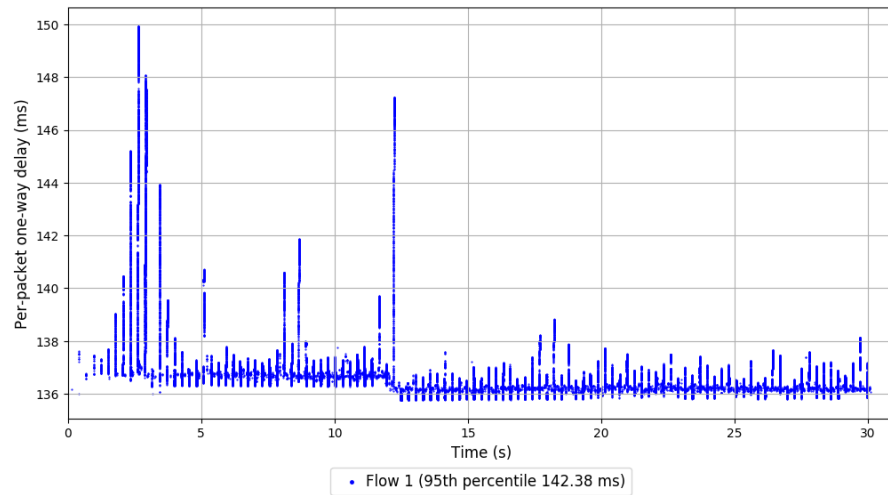
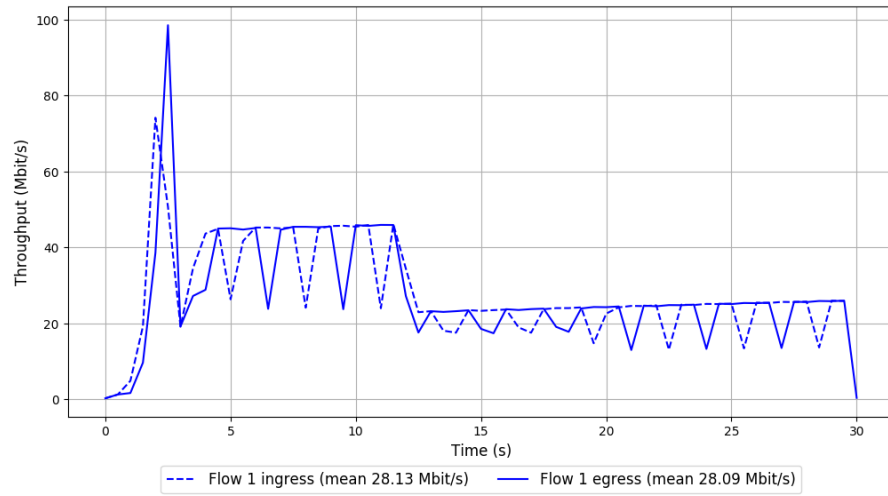
-- Flow 1:

Average throughput: 28.09 Mbit/s

95th percentile per-packet one-way delay: 142.378 ms

Loss rate: 0.15%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-31 04:30:11

End at: 2018-01-31 04:30:41

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.20 Mbit/s

95th percentile per-packet one-way delay: 138.418 ms

Loss rate: 3.18%

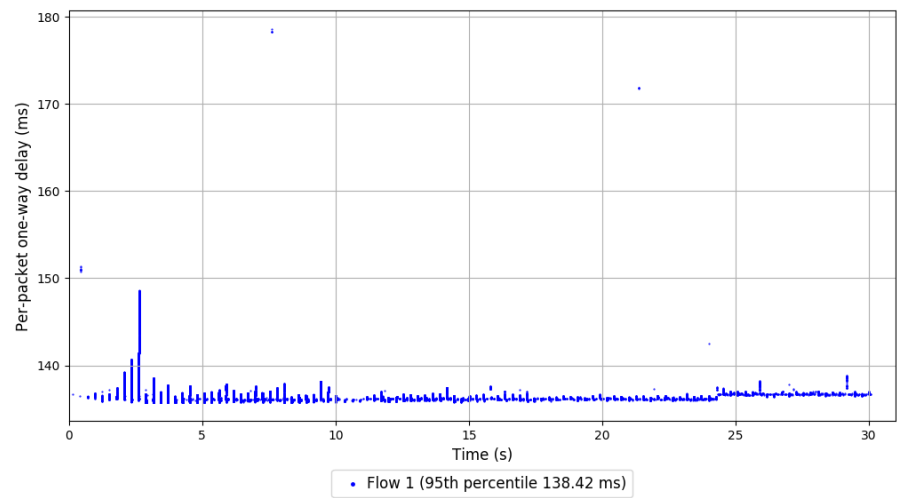
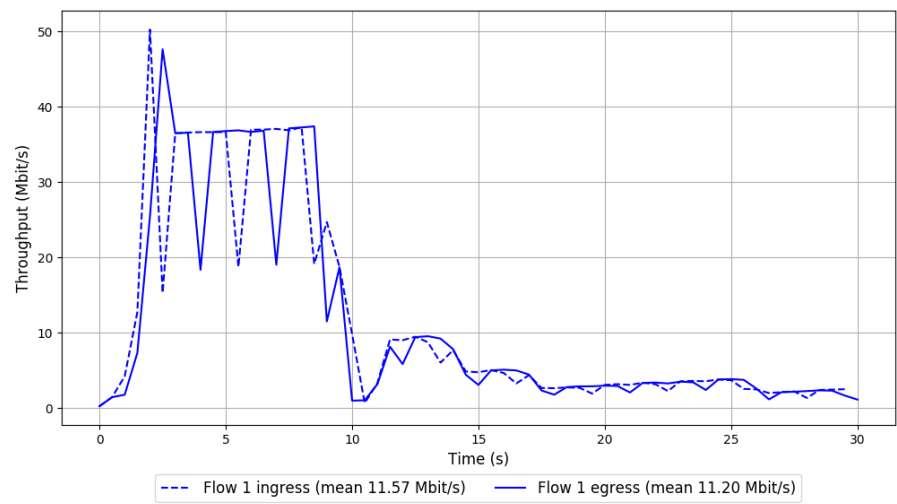
-- Flow 1:

Average throughput: 11.20 Mbit/s

95th percentile per-packet one-way delay: 138.418 ms

Loss rate: 3.18%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-31 04:45:15

End at: 2018-01-31 04:45:45

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 137.189 ms

Loss rate: 1.27%

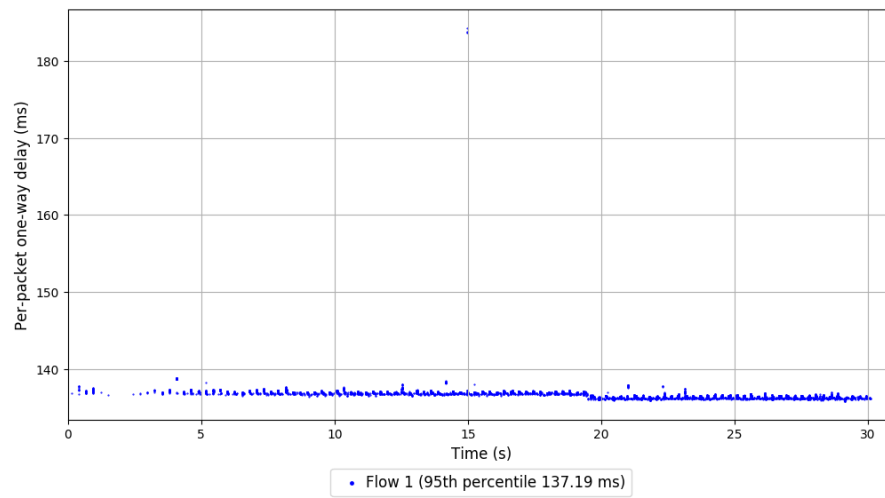
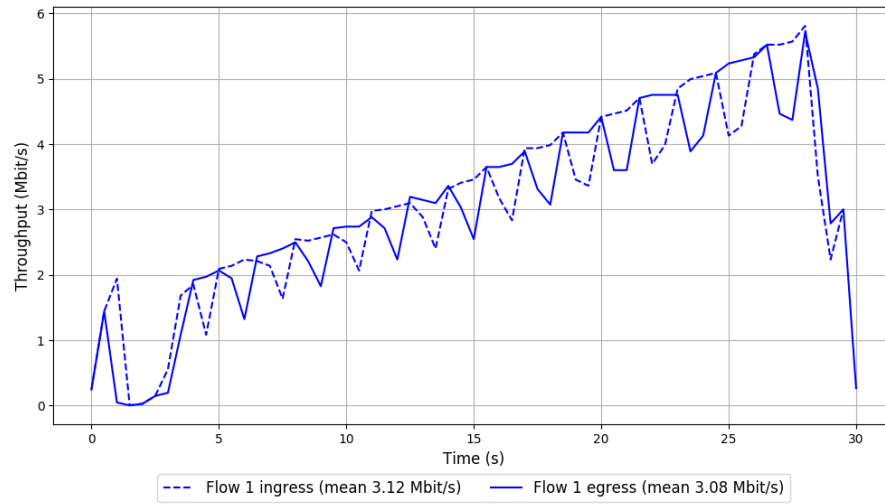
-- Flow 1:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 137.189 ms

Loss rate: 1.27%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-31 04:59:52

End at: 2018-01-31 05:00:22

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 163.295 ms

Loss rate: 4.75%

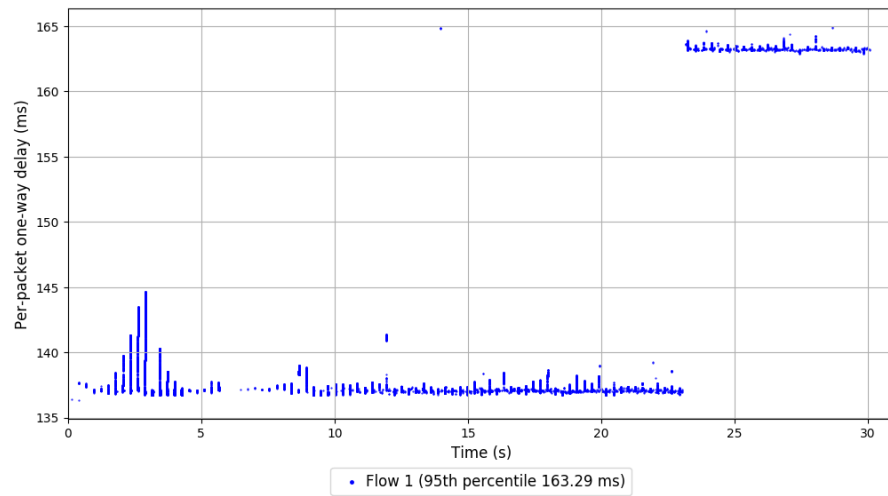
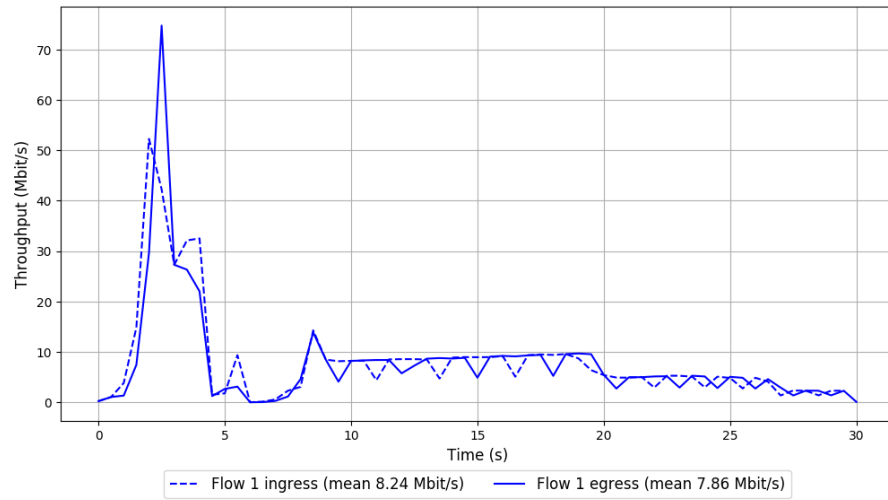
-- Flow 1:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 163.295 ms

Loss rate: 4.75%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-31 05:14:44

End at: 2018-01-31 05:15:14

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 163.617 ms

Loss rate: 0.15%

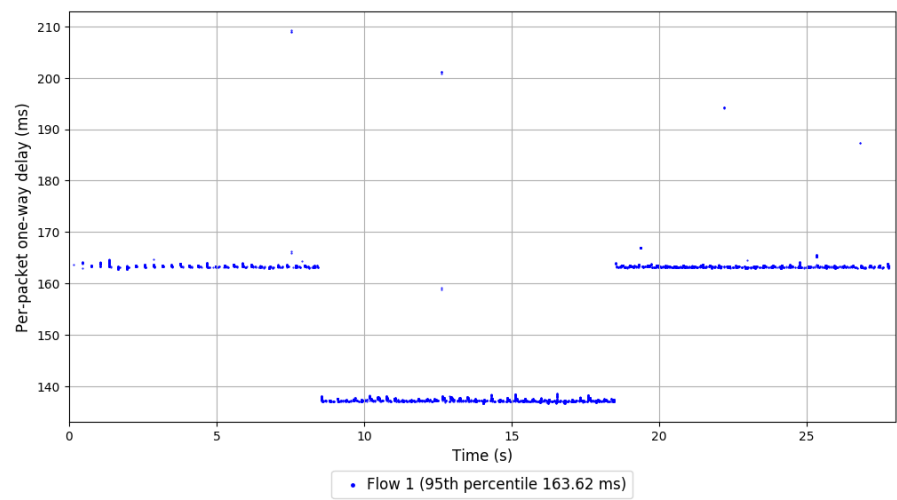
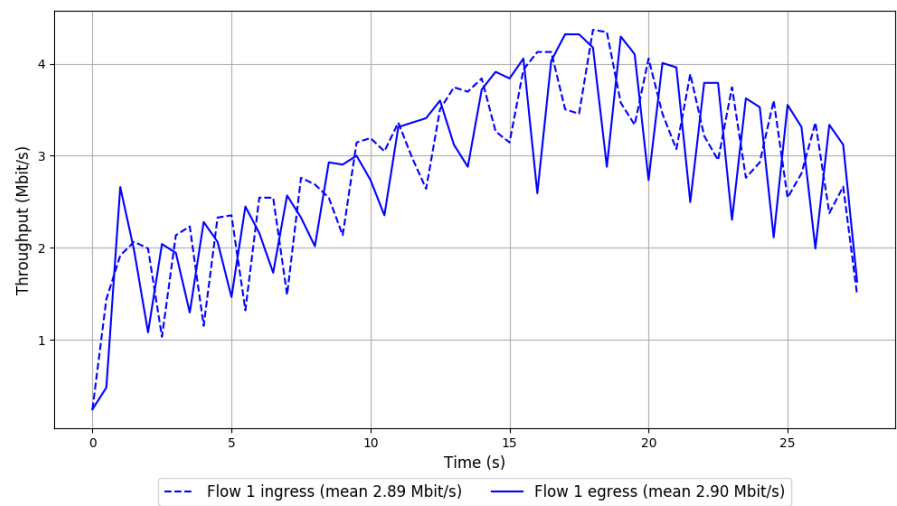
-- Flow 1:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 163.617 ms

Loss rate: 0.15%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-31 05:29:25

End at: 2018-01-31 05:29:55

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.86 Mbit/s

95th percentile per-packet one-way delay: 138.537 ms

Loss rate: 0.00%

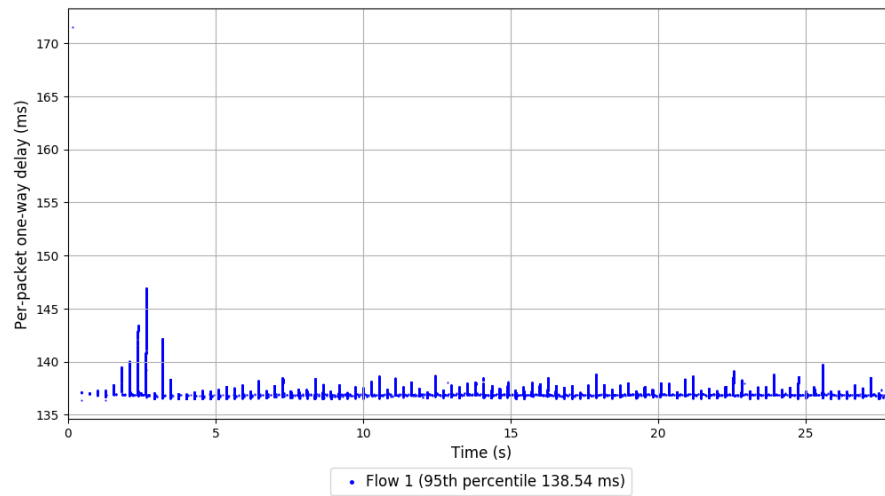
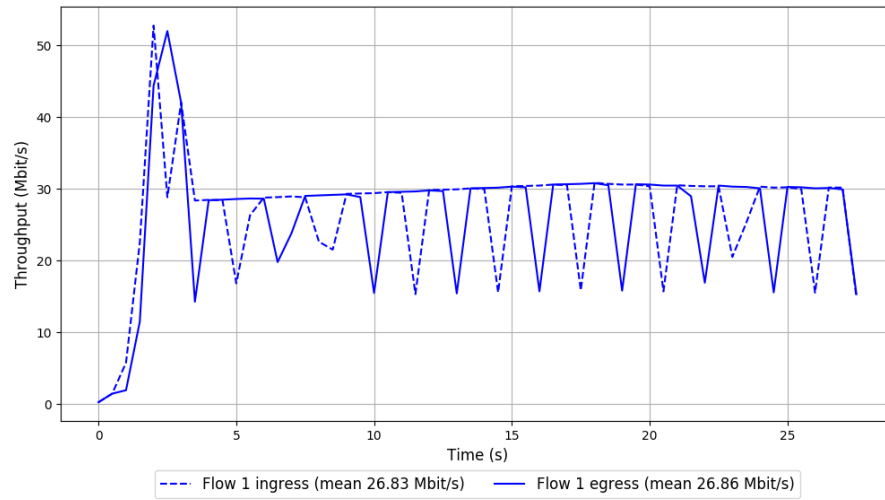
-- Flow 1:

Average throughput: 26.86 Mbit/s

95th percentile per-packet one-way delay: 138.537 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-31 03:24:30

End at: 2018-01-31 03:25:00

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.59 Mbit/s

95th percentile per-packet one-way delay: 335.453 ms

Loss rate: 16.68%

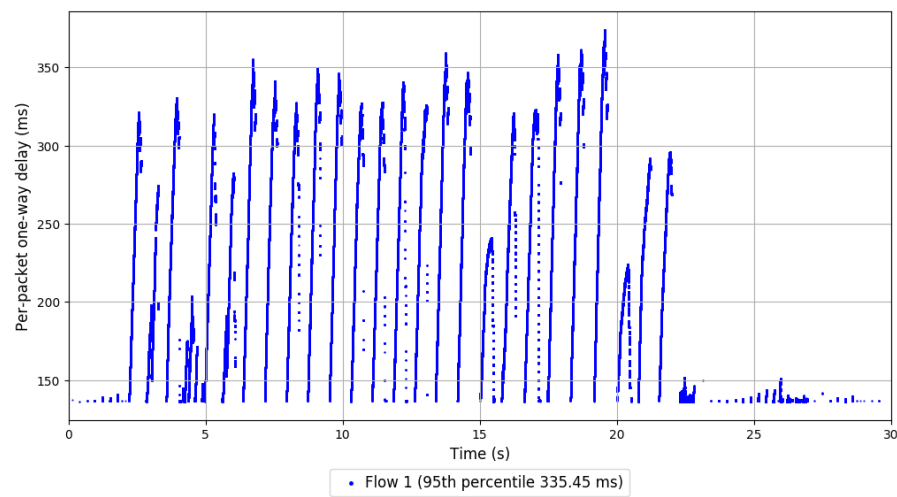
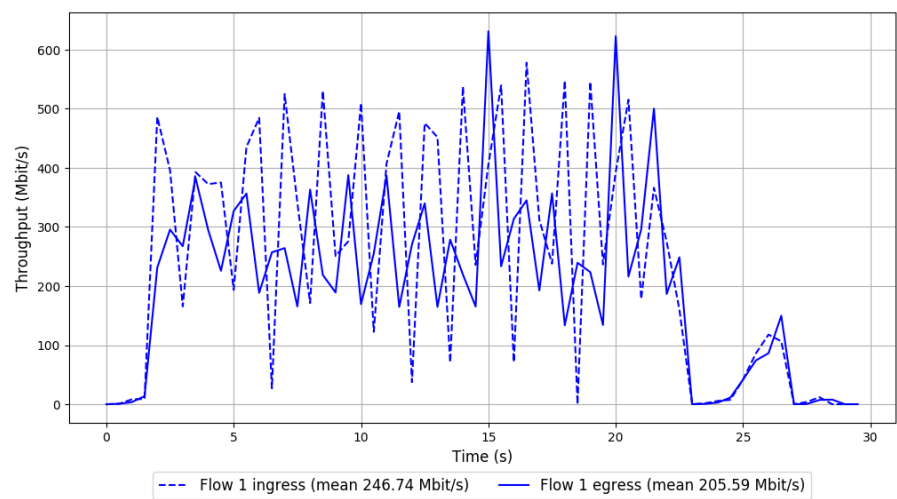
-- Flow 1:

Average throughput: 205.59 Mbit/s

95th percentile per-packet one-way delay: 335.453 ms

Loss rate: 16.68%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-31 03:39:52

End at: 2018-01-31 03:40:22

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.02 Mbit/s

95th percentile per-packet one-way delay: 373.119 ms

Loss rate: 27.17%

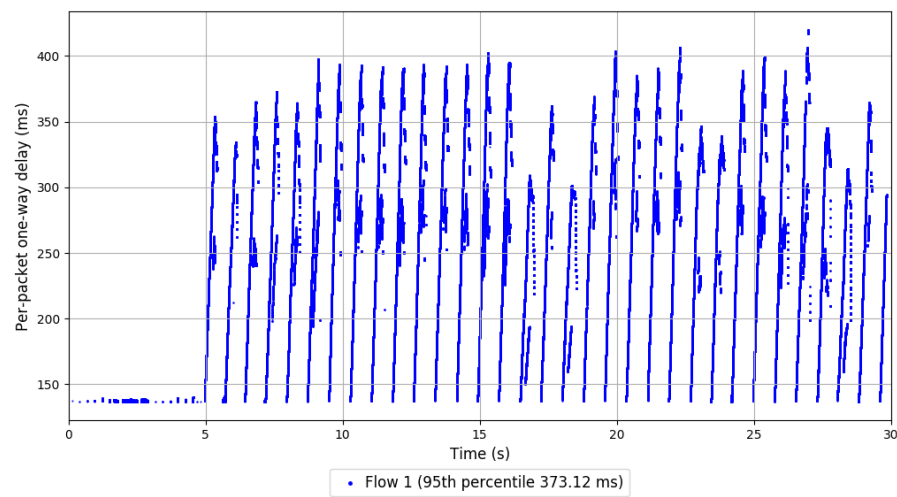
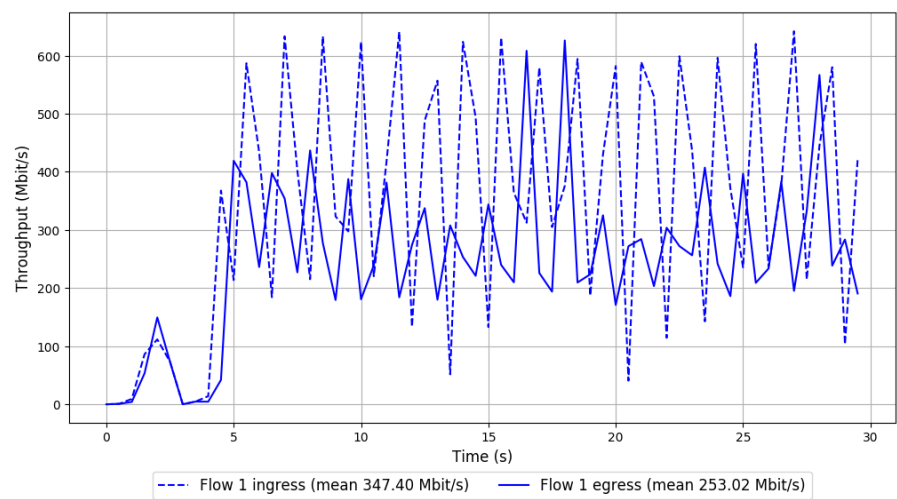
-- Flow 1:

Average throughput: 253.02 Mbit/s

95th percentile per-packet one-way delay: 373.119 ms

Loss rate: 27.17%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-31 03:54:54

End at: 2018-01-31 03:55:24

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.39 Mbit/s

95th percentile per-packet one-way delay: 226.784 ms

Loss rate: 0.85%

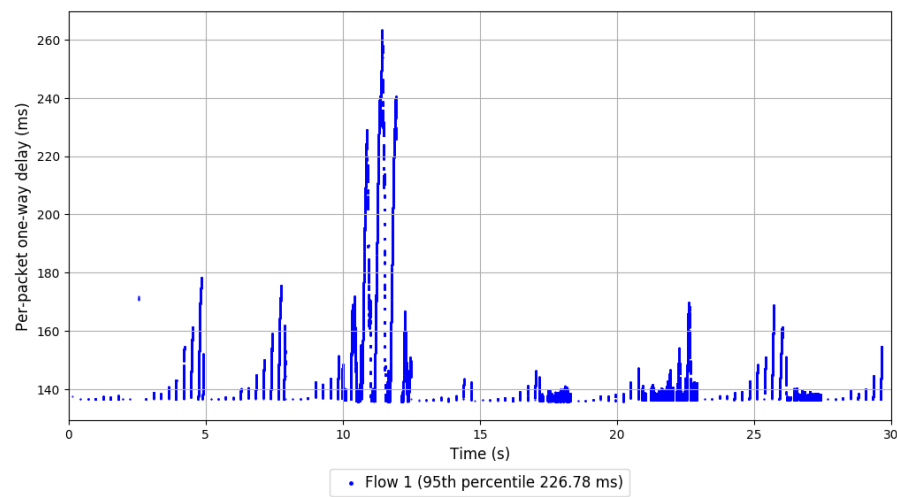
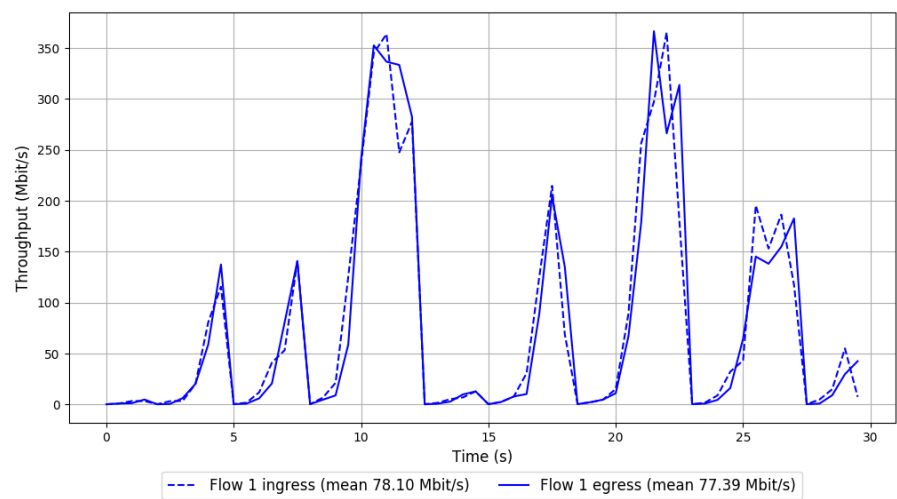
-- Flow 1:

Average throughput: 77.39 Mbit/s

95th percentile per-packet one-way delay: 226.784 ms

Loss rate: 0.85%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-31 04:09:27

End at: 2018-01-31 04:09:57

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.76 Mbit/s

95th percentile per-packet one-way delay: 173.868 ms

Loss rate: 0.43%

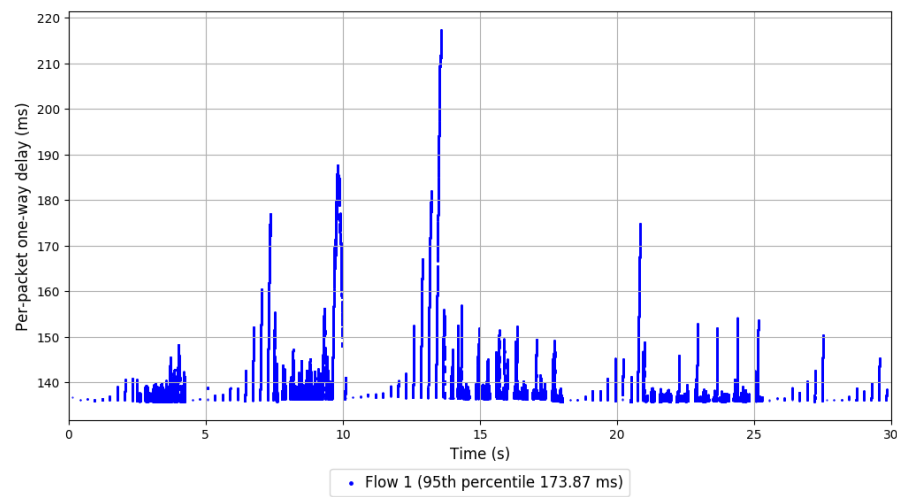
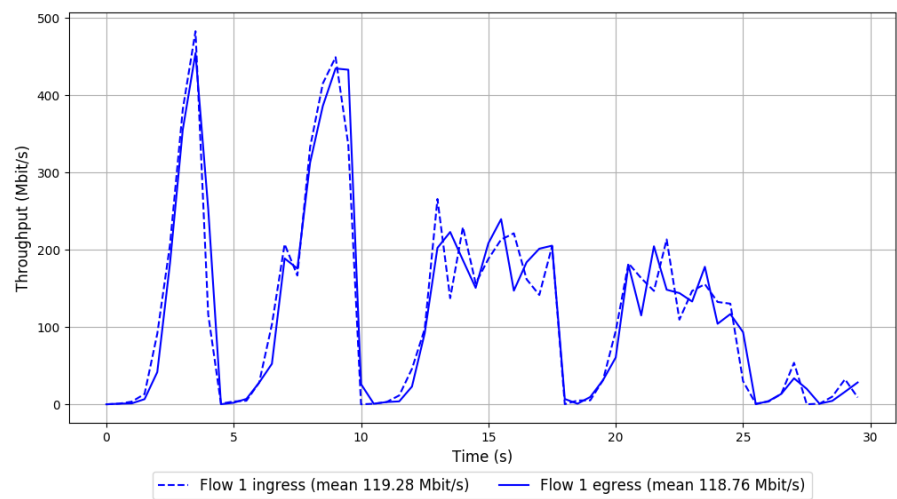
-- Flow 1:

Average throughput: 118.76 Mbit/s

95th percentile per-packet one-way delay: 173.868 ms

Loss rate: 0.43%

Run 4: Report of Verus — Data Link

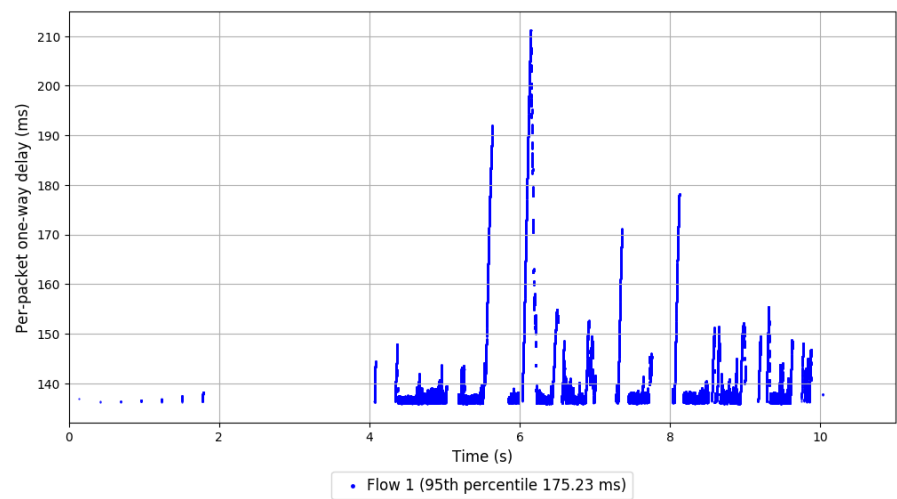
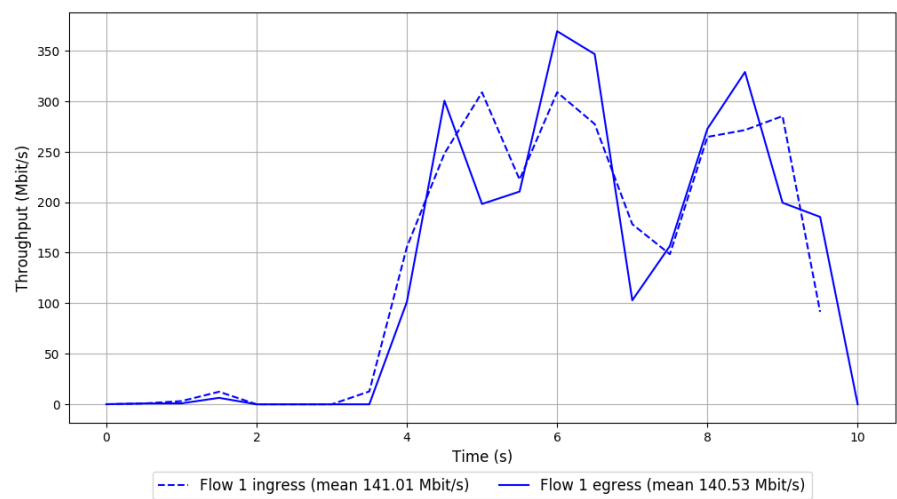


Run 5: Statistics of Verus

Start at: 2018-01-31 04:24:40

End at: 2018-01-31 04:25:10

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-31 04:39:23

End at: 2018-01-31 04:39:53

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.82 Mbit/s

95th percentile per-packet one-way delay: 169.982 ms

Loss rate: 0.14%

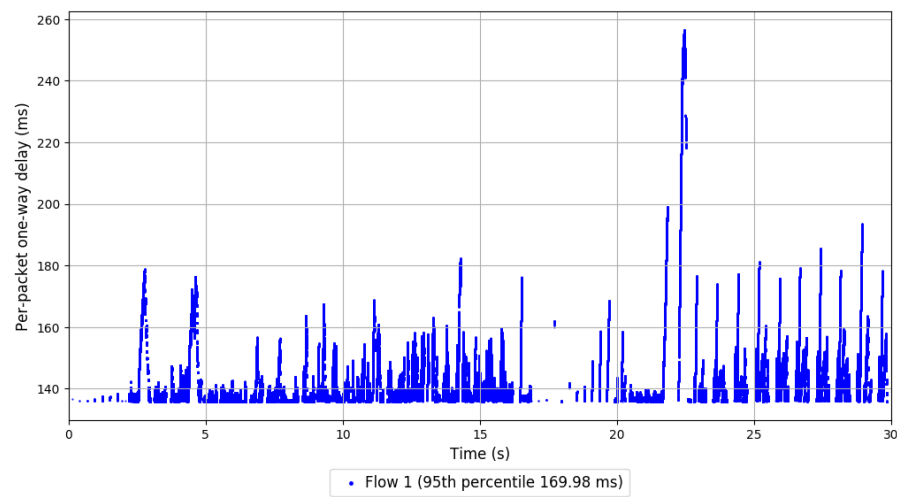
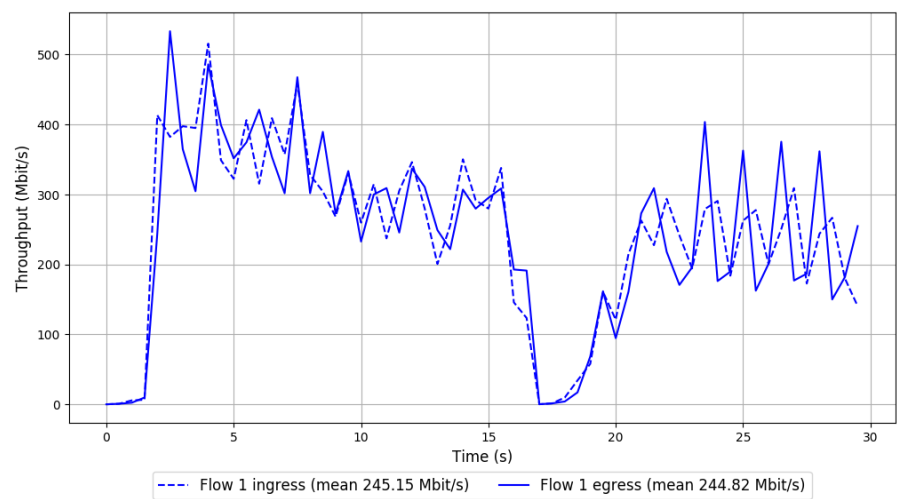
-- Flow 1:

Average throughput: 244.82 Mbit/s

95th percentile per-packet one-way delay: 169.982 ms

Loss rate: 0.14%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-31 04:54:24

End at: 2018-01-31 04:54:54

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.25 Mbit/s

95th percentile per-packet one-way delay: 198.040 ms

Loss rate: 1.02%

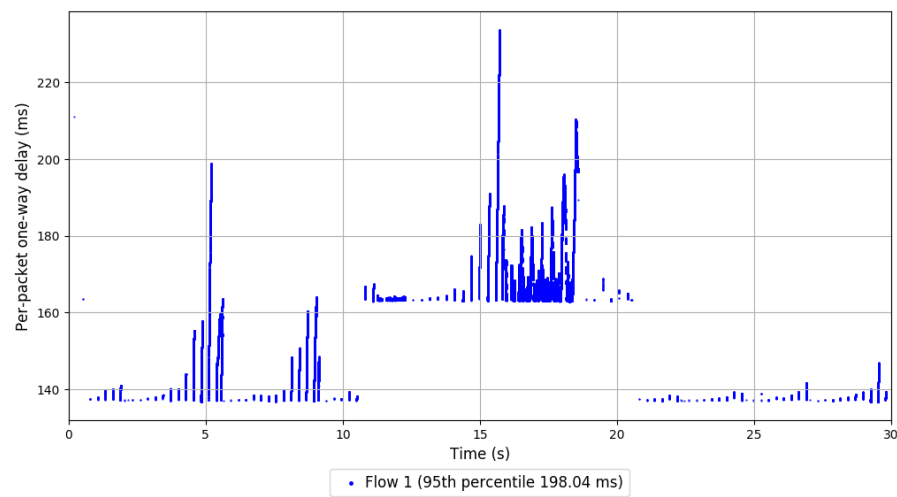
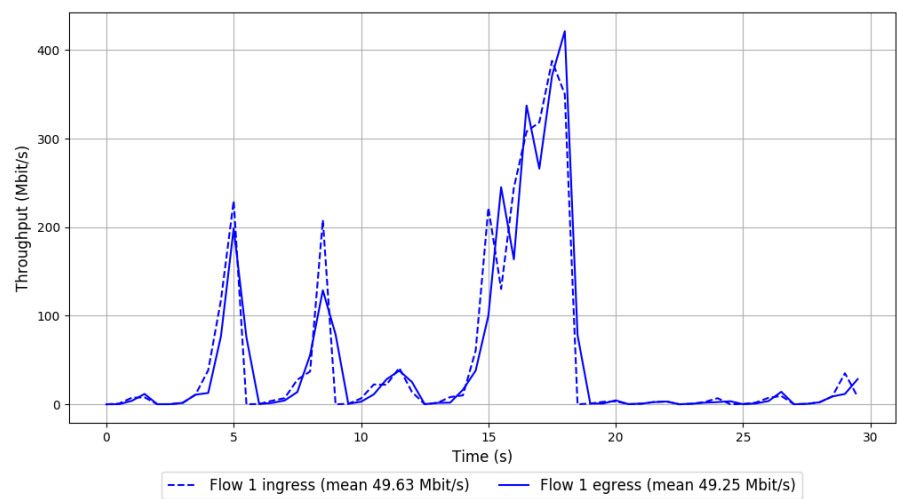
-- Flow 1:

Average throughput: 49.25 Mbit/s

95th percentile per-packet one-way delay: 198.040 ms

Loss rate: 1.02%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-31 05:09:26

End at: 2018-01-31 05:09:56

Below is generated by plot.py at 2018-01-31 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.09 Mbit/s

95th percentile per-packet one-way delay: 174.858 ms

Loss rate: 0.00%

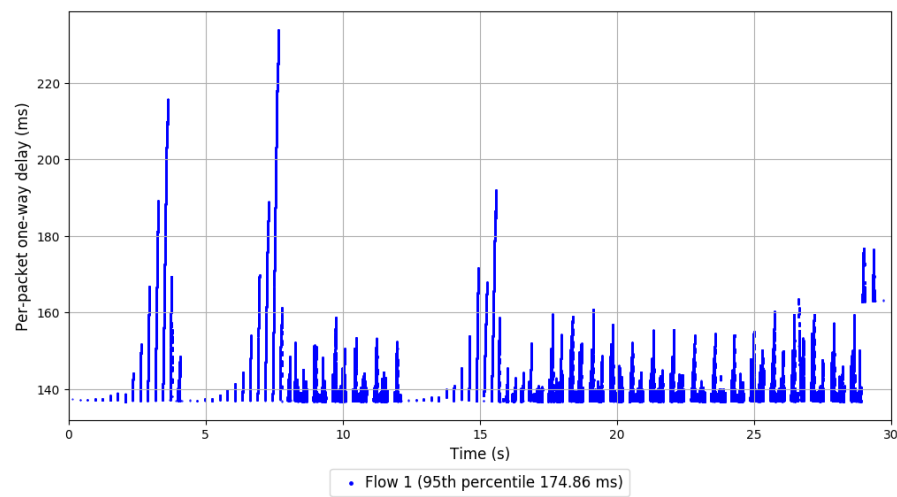
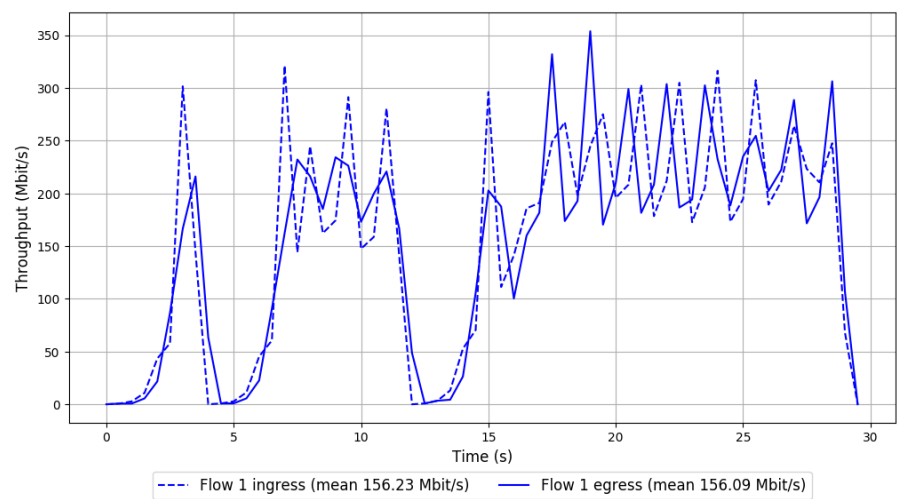
-- Flow 1:

Average throughput: 156.09 Mbit/s

95th percentile per-packet one-way delay: 174.858 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-31 05:24:02

End at: 2018-01-31 05:24:32

Below is generated by plot.py at 2018-01-31 06:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.57 Mbit/s

95th percentile per-packet one-way delay: 175.780 ms

Loss rate: 0.16%

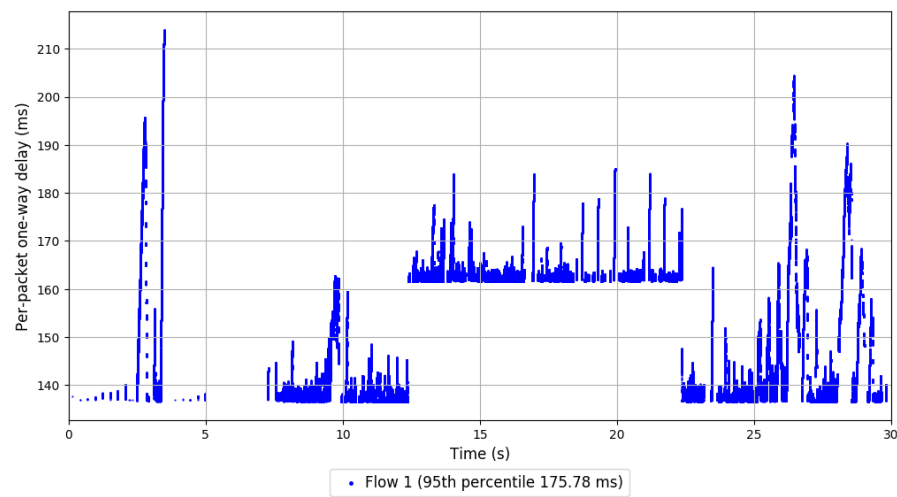
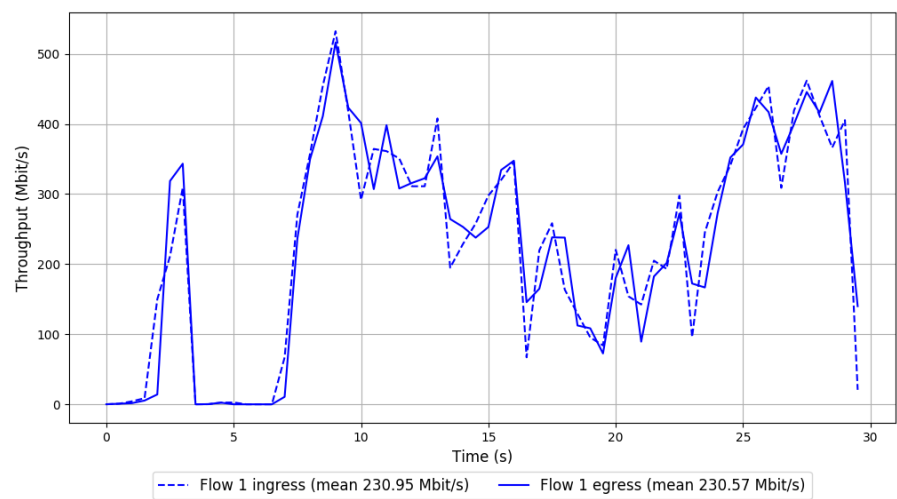
-- Flow 1:

Average throughput: 230.57 Mbit/s

95th percentile per-packet one-way delay: 175.780 ms

Loss rate: 0.16%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-31 05:39:04

End at: 2018-01-31 05:39:34

Below is generated by plot.py at 2018-01-31 06:47:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.79 Mbit/s

95th percentile per-packet one-way delay: 286.174 ms

Loss rate: 5.07%

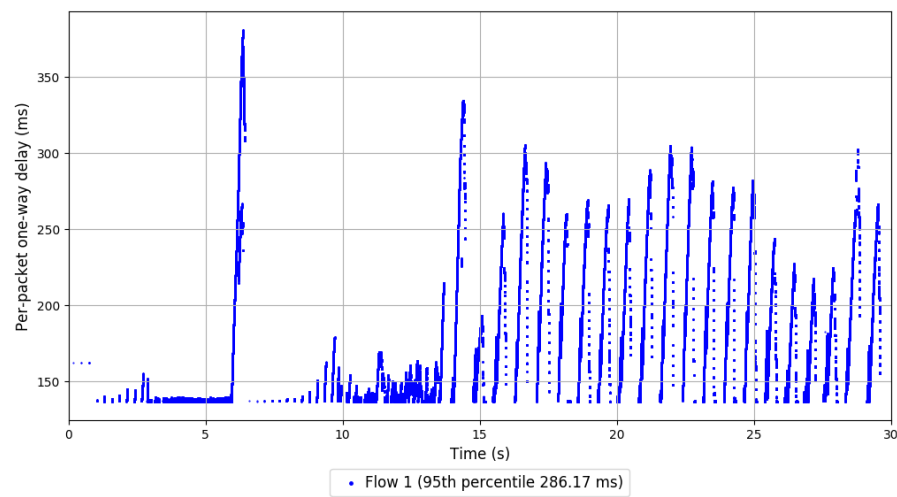
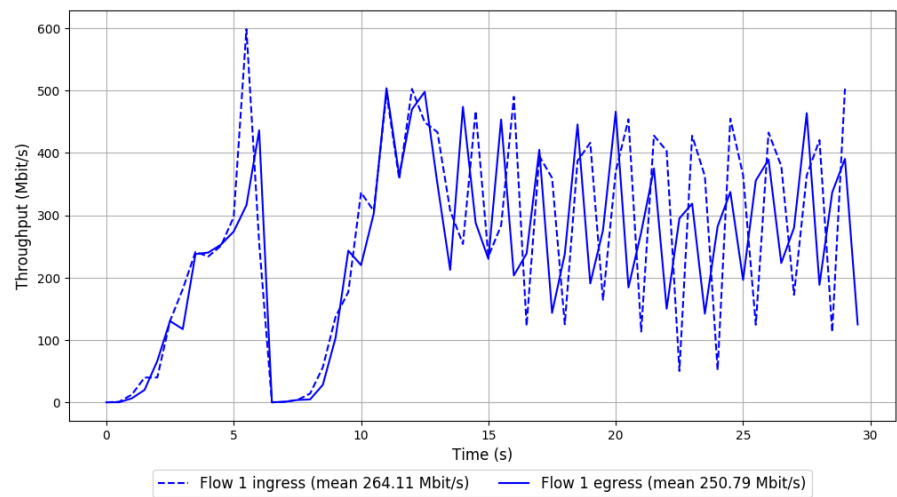
-- Flow 1:

Average throughput: 250.79 Mbit/s

95th percentile per-packet one-way delay: 286.174 ms

Loss rate: 5.07%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-31 03:27:38

End at: 2018-01-31 03:28:08

Below is generated by plot.py at 2018-01-31 06:47:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.99 Mbit/s

95th percentile per-packet one-way delay: 136.425 ms

Loss rate: 0.00%

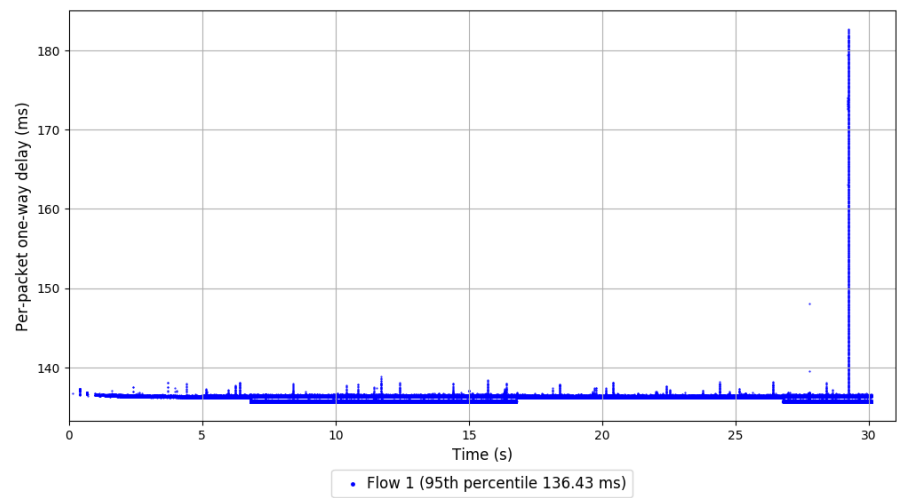
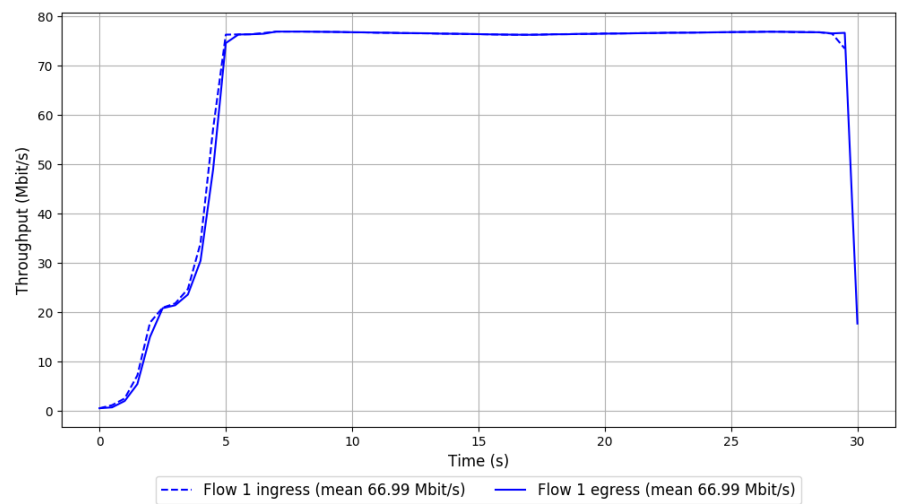
-- Flow 1:

Average throughput: 66.99 Mbit/s

95th percentile per-packet one-way delay: 136.425 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-31 03:43:04

End at: 2018-01-31 03:43:34

Below is generated by plot.py at 2018-01-31 06:47:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.98 Mbit/s

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

Loss rate: 0.00%

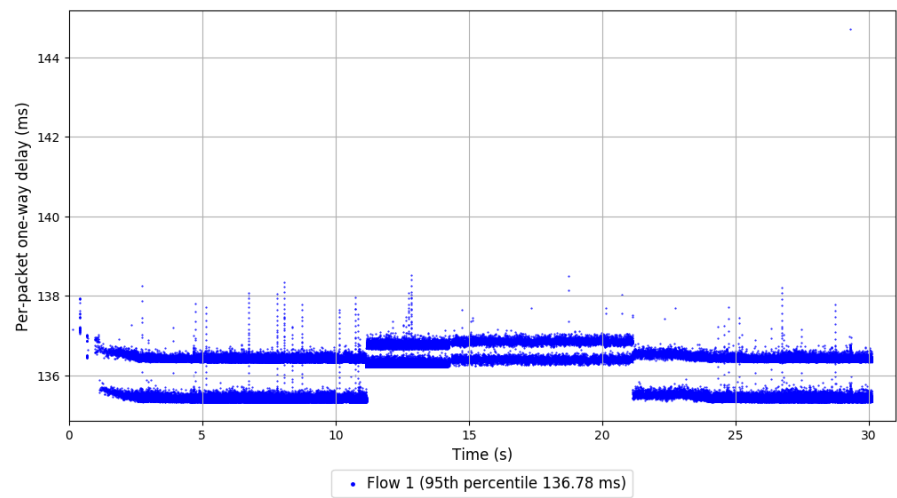
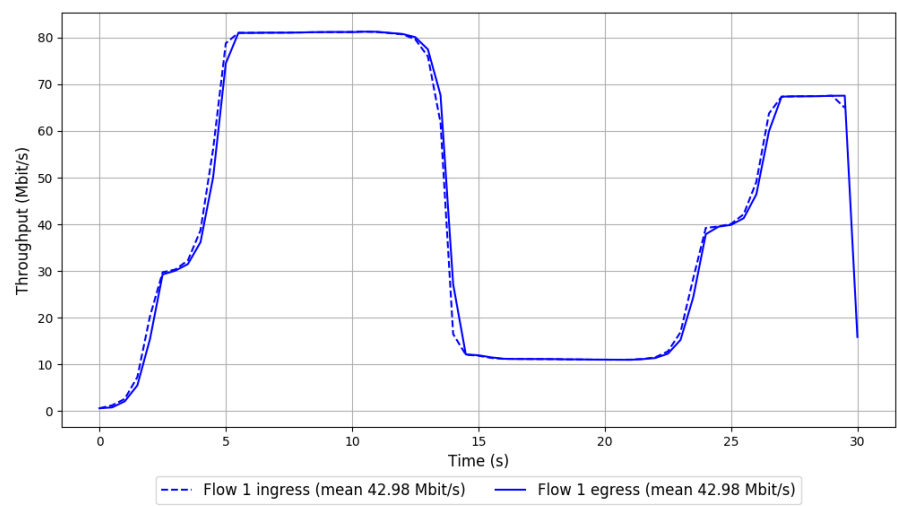
-- Flow 1:

Average throughput: 42.98 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-31 03:57:52

End at: 2018-01-31 03:58:22

Below is generated by plot.py at 2018-01-31 06:47:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.35 Mbit/s

95th percentile per-packet one-way delay: 136.425 ms

Loss rate: 0.00%

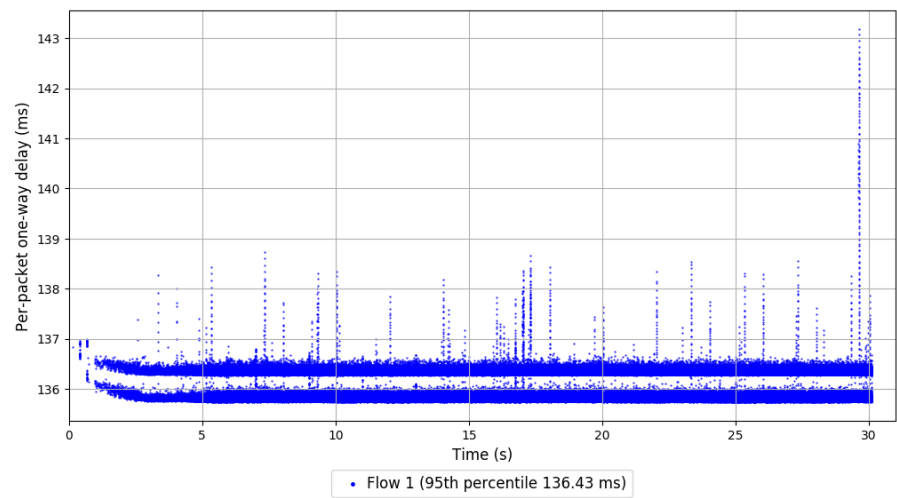
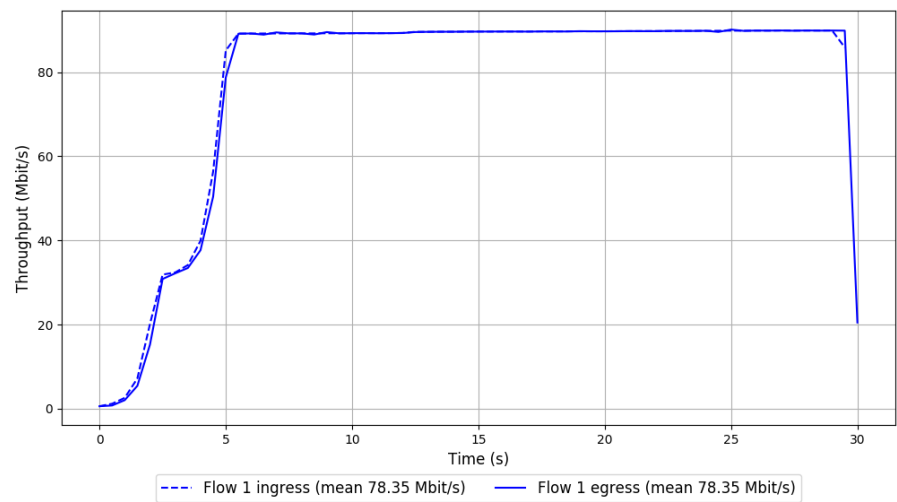
-- Flow 1:

Average throughput: 78.35 Mbit/s

95th percentile per-packet one-way delay: 136.425 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-31 04:12:27

End at: 2018-01-31 04:12:58

Below is generated by plot.py at 2018-01-31 06:47:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.52 Mbit/s

95th percentile per-packet one-way delay: 136.366 ms

Loss rate: 0.00%

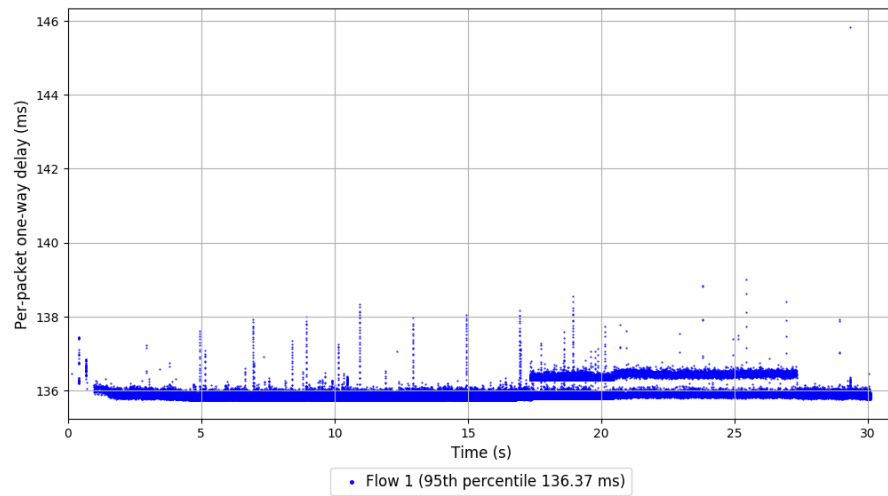
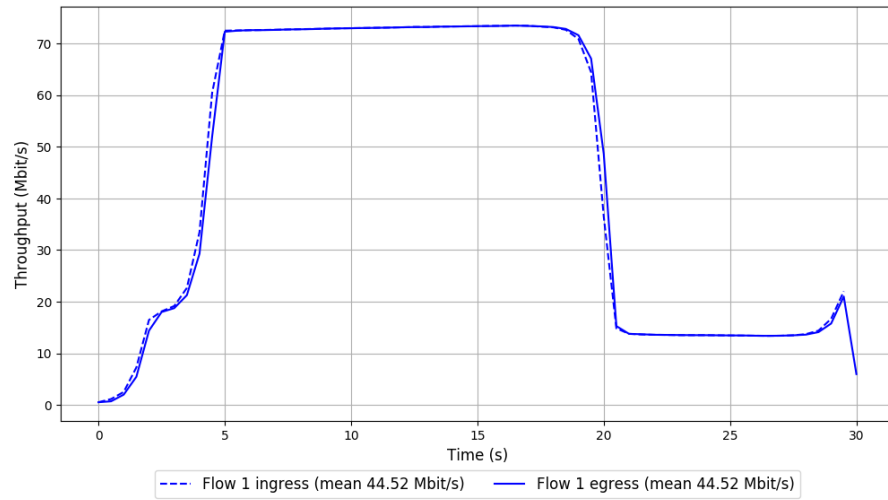
-- Flow 1:

Average throughput: 44.52 Mbit/s

95th percentile per-packet one-way delay: 136.366 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-31 04:27:36

End at: 2018-01-31 04:28:06

Below is generated by plot.py at 2018-01-31 06:47:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.28 Mbit/s

95th percentile per-packet one-way delay: 137.026 ms

Loss rate: 0.00%

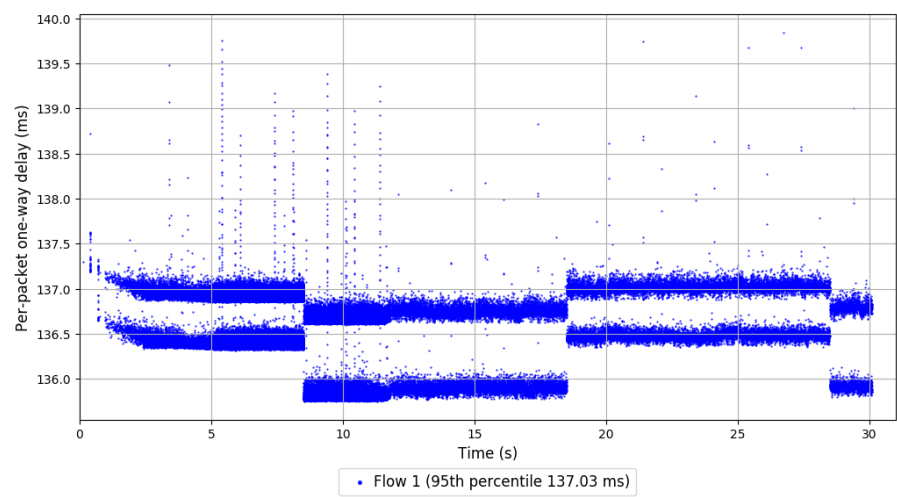
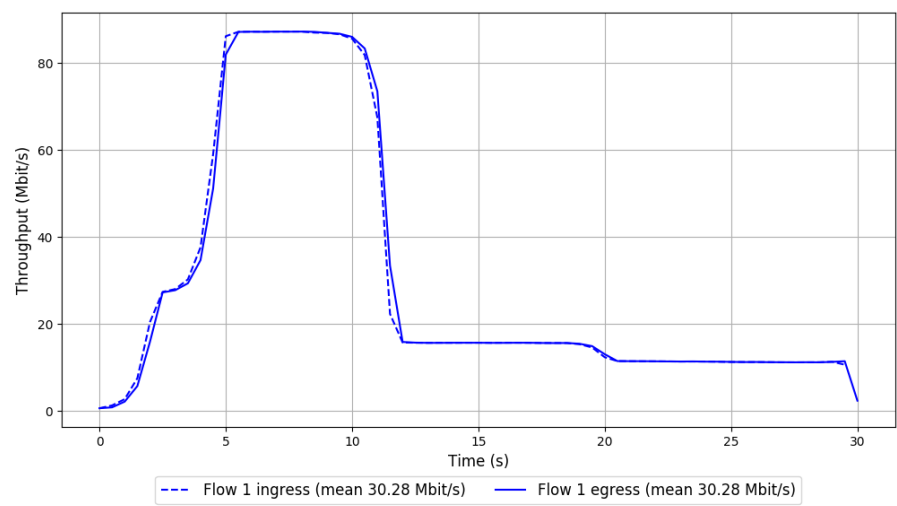
-- Flow 1:

Average throughput: 30.28 Mbit/s

95th percentile per-packet one-way delay: 137.026 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-31 04:42:32

End at: 2018-01-31 04:43:02

Below is generated by plot.py at 2018-01-31 06:48:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.27 Mbit/s

95th percentile per-packet one-way delay: 136.459 ms

Loss rate: 0.00%

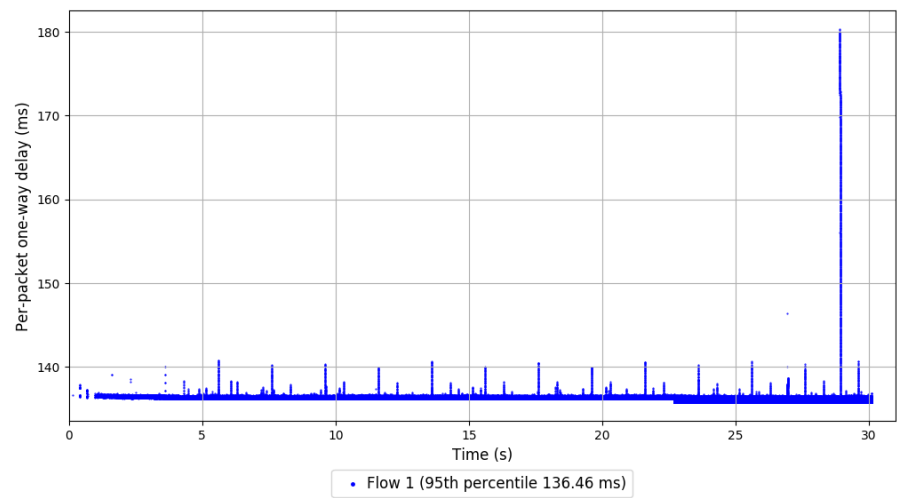
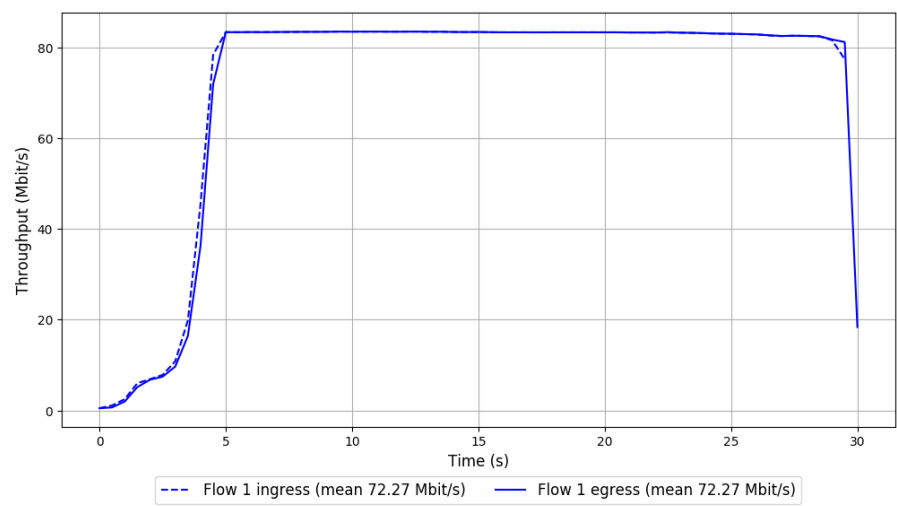
-- Flow 1:

Average throughput: 72.27 Mbit/s

95th percentile per-packet one-way delay: 136.459 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-31 04:57:20

End at: 2018-01-31 04:57:50

Below is generated by plot.py at 2018-01-31 06:48:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.01 Mbit/s

95th percentile per-packet one-way delay: 163.059 ms

Loss rate: 0.08%

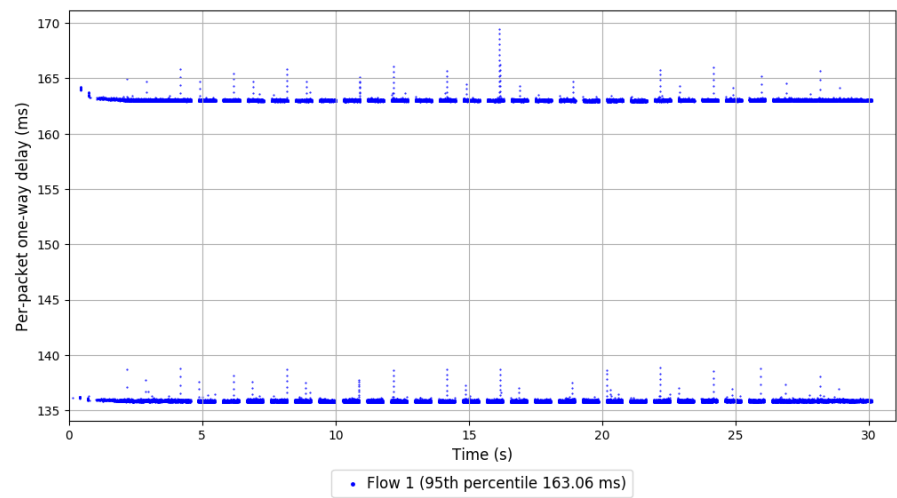
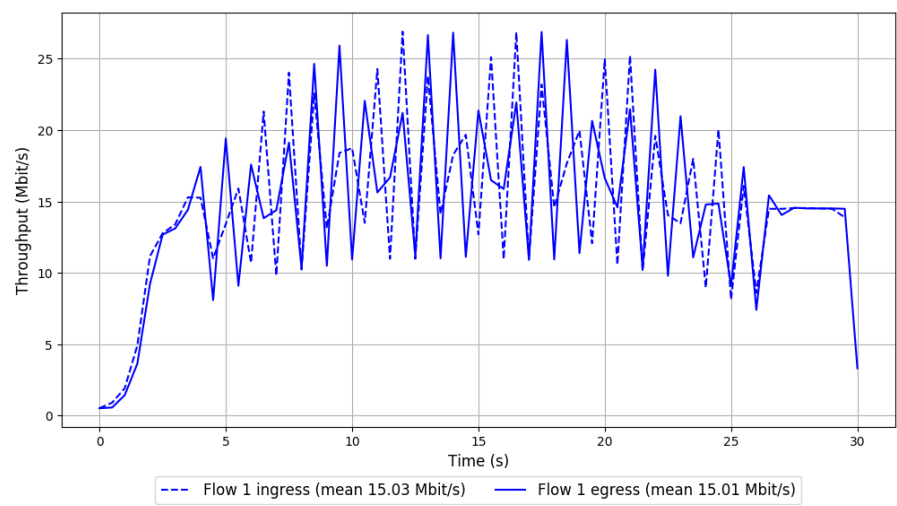
-- Flow 1:

Average throughput: 15.01 Mbit/s

95th percentile per-packet one-way delay: 163.059 ms

Loss rate: 0.08%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-31 05:12:27

End at: 2018-01-31 05:12:57

Below is generated by plot.py at 2018-01-31 06:48:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.35 Mbit/s

95th percentile per-packet one-way delay: 162.918 ms

Loss rate: 0.00%

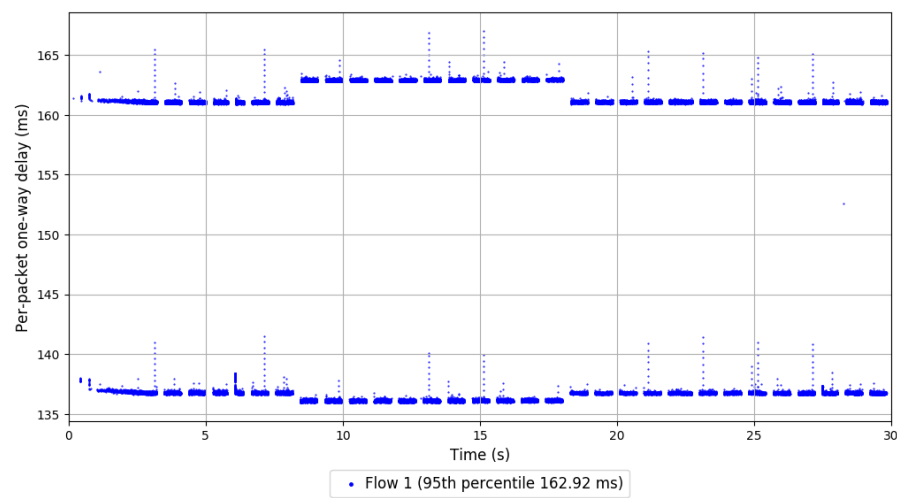
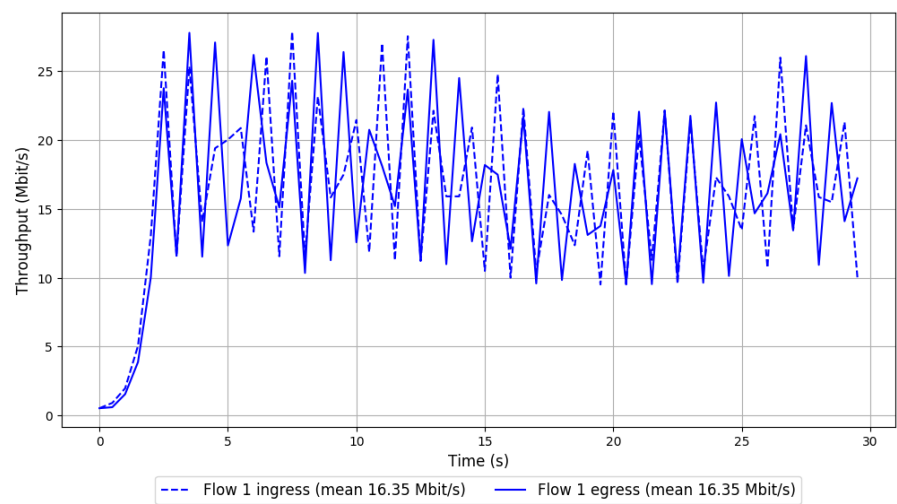
-- Flow 1:

Average throughput: 16.35 Mbit/s

95th percentile per-packet one-way delay: 162.918 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-31 05:27:12

End at: 2018-01-31 05:27:42

Below is generated by plot.py at 2018-01-31 06:48:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.26 Mbit/s

95th percentile per-packet one-way delay: 161.598 ms

Loss rate: 0.09%

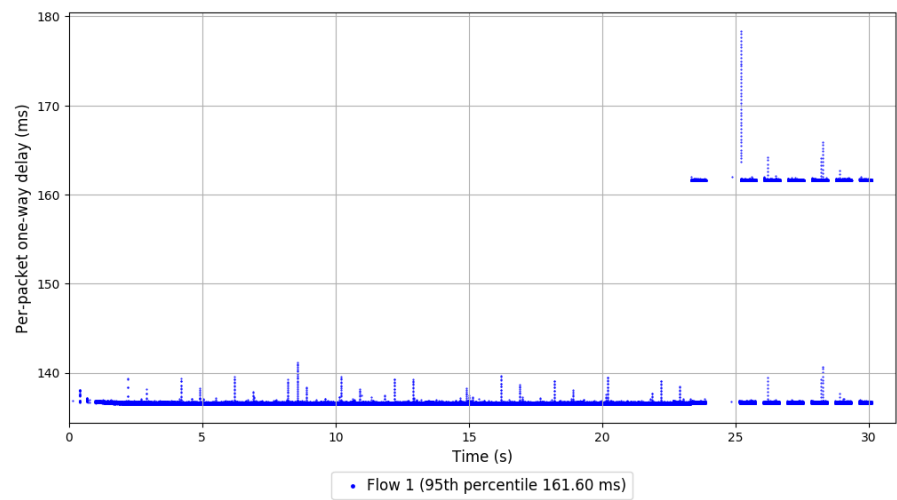
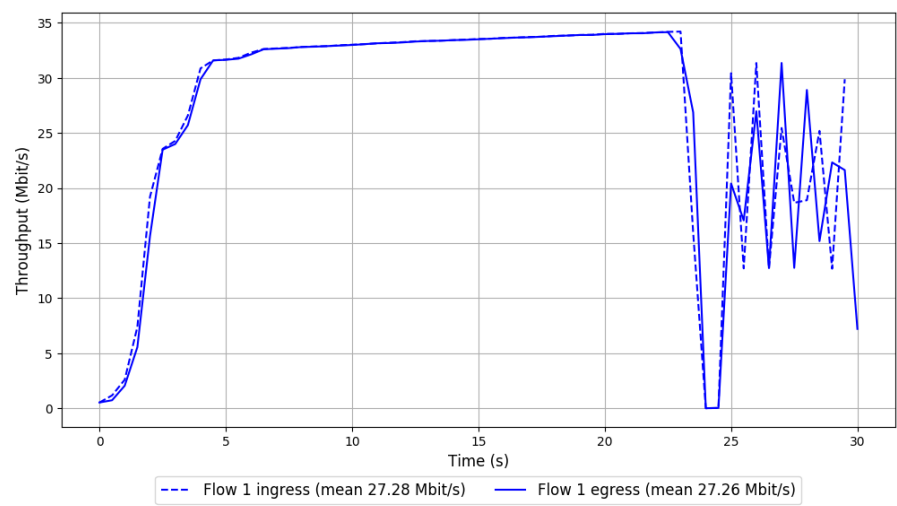
-- Flow 1:

Average throughput: 27.26 Mbit/s

95th percentile per-packet one-way delay: 161.598 ms

Loss rate: 0.09%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-31 05:42:14

End at: 2018-01-31 05:42:44

Below is generated by plot.py at 2018-01-31 06:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.02 Mbit/s

95th percentile per-packet one-way delay: 136.751 ms

Loss rate: 0.00%

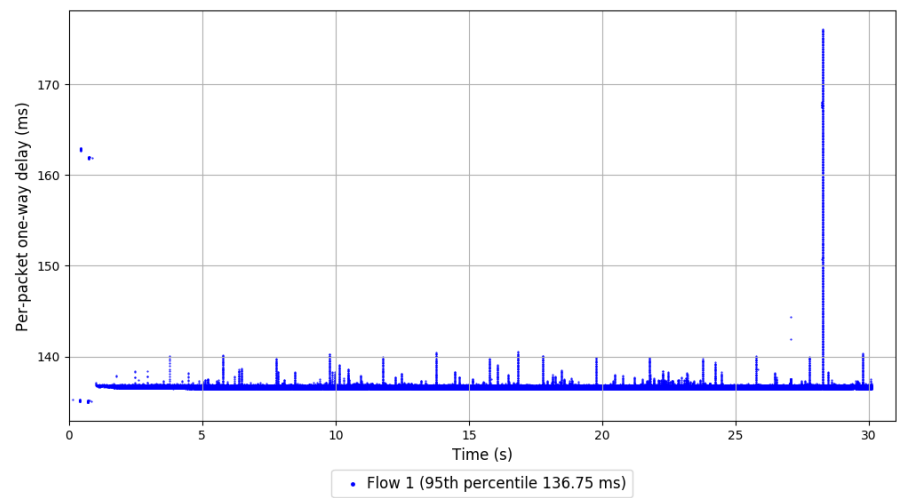
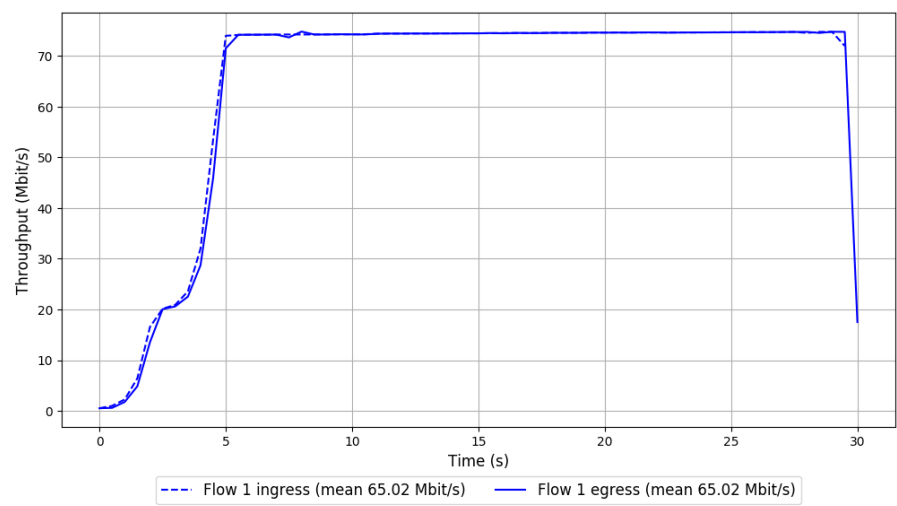
-- Flow 1:

Average throughput: 65.02 Mbit/s

95th percentile per-packet one-way delay: 136.751 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

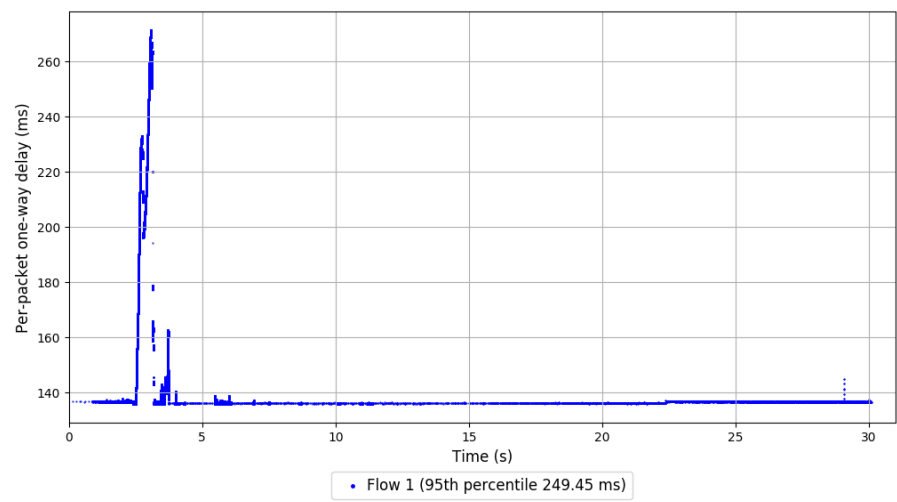
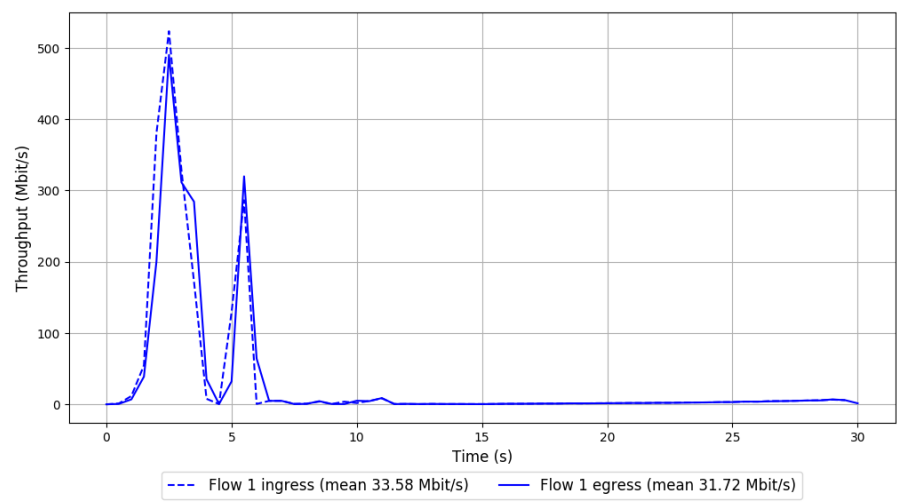


```
Run 1: Statistics of FillP

Start at: 2018-01-31 03:20:12
End at: 2018-01-31 03:20:42

# Below is generated by plot.py at 2018-01-31 06:48:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 249.449 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 249.449 ms
Loss rate: 5.54%
```


Run 1: Report of FillP — Data Link

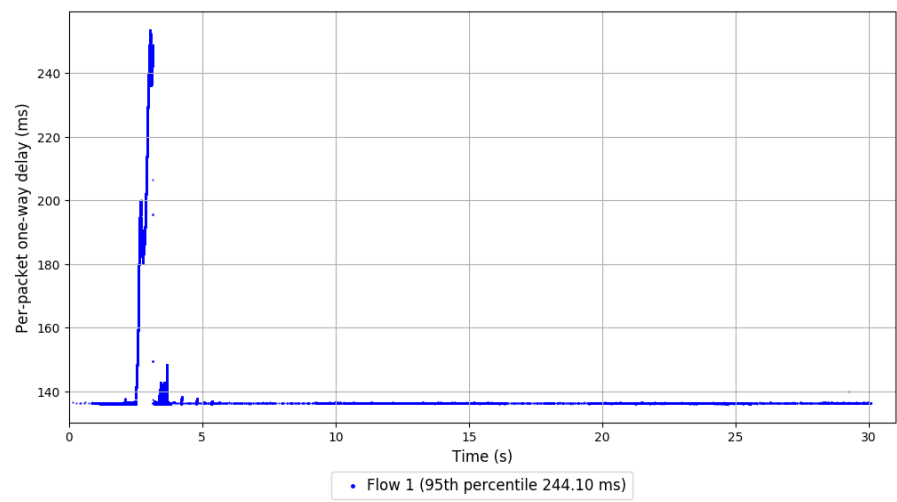
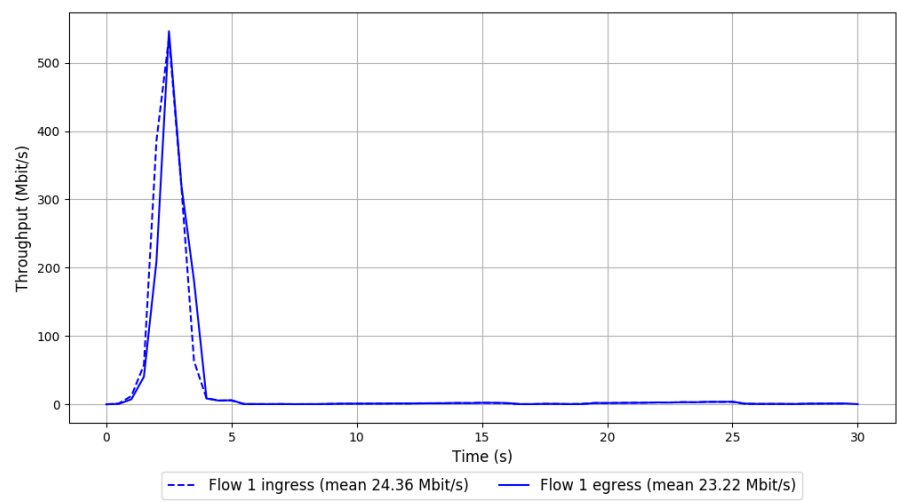


```
Run 2: Statistics of FillP

Start at: 2018-01-31 03:35:10
End at: 2018-01-31 03:35:40

# Below is generated by plot.py at 2018-01-31 06:48:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 244.101 ms
Loss rate: 4.69%
-- Flow 1:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 244.101 ms
Loss rate: 4.69%
```

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-31 03:50:47

End at: 2018-01-31 03:51:17

Below is generated by plot.py at 2018-01-31 06:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.43 Mbit/s

95th percentile per-packet one-way delay: 256.784 ms

Loss rate: 16.35%

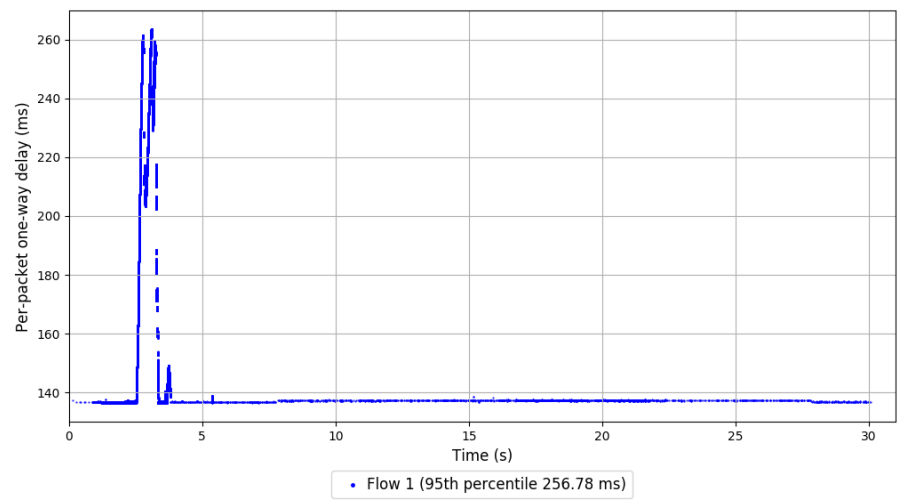
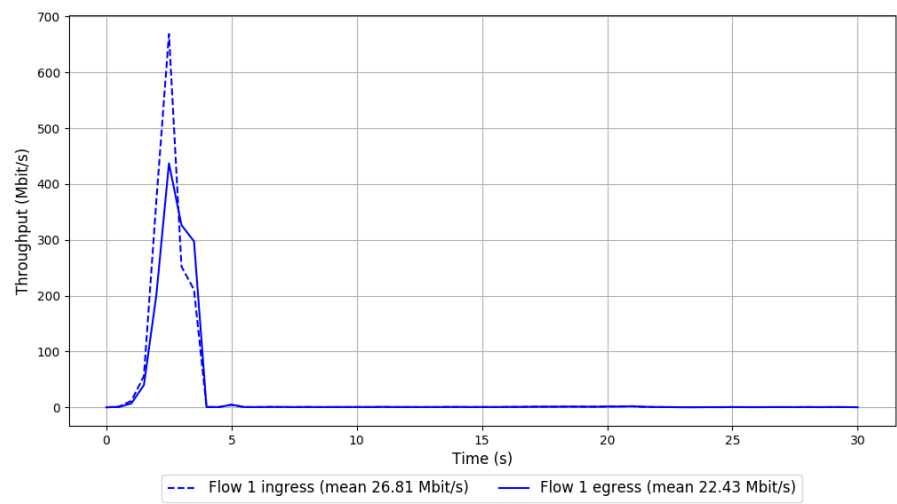
-- Flow 1:

Average throughput: 22.43 Mbit/s

95th percentile per-packet one-way delay: 256.784 ms

Loss rate: 16.35%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-31 04:05:19

End at: 2018-01-31 04:05:49

Below is generated by plot.py at 2018-01-31 06:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 250.015 ms

Loss rate: 5.38%

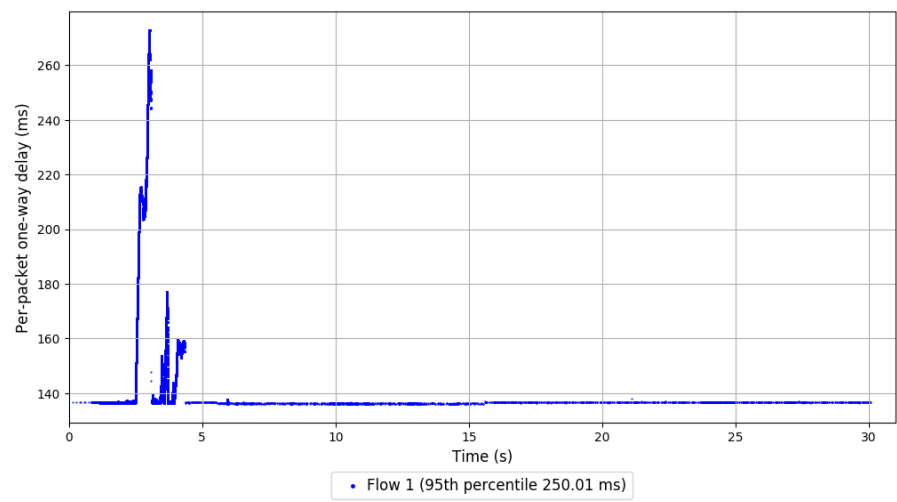
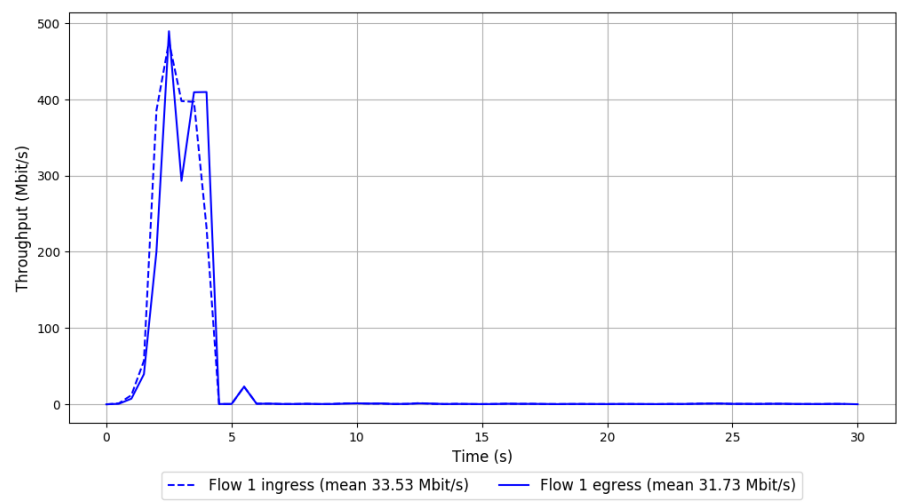
-- Flow 1:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 250.015 ms

Loss rate: 5.38%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-31 04:19:53

End at: 2018-01-31 04:20:23

Below is generated by plot.py at 2018-01-31 06:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 247.998 ms

Loss rate: 8.41%

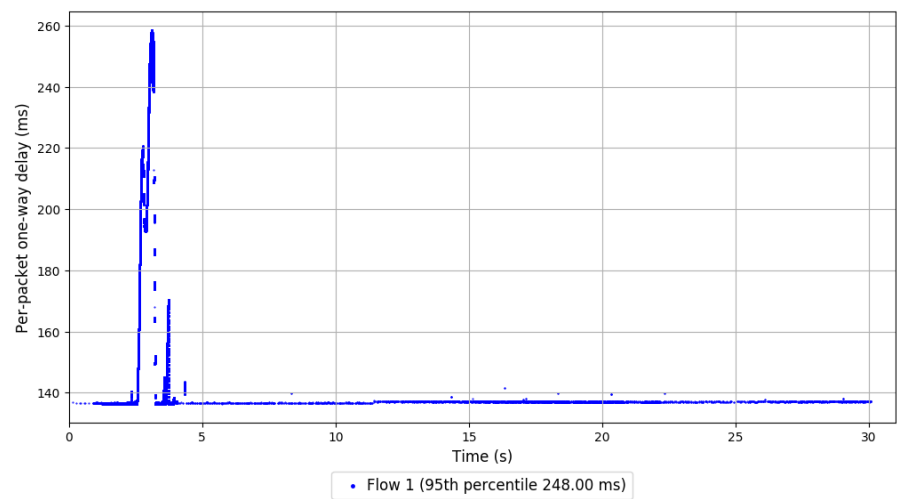
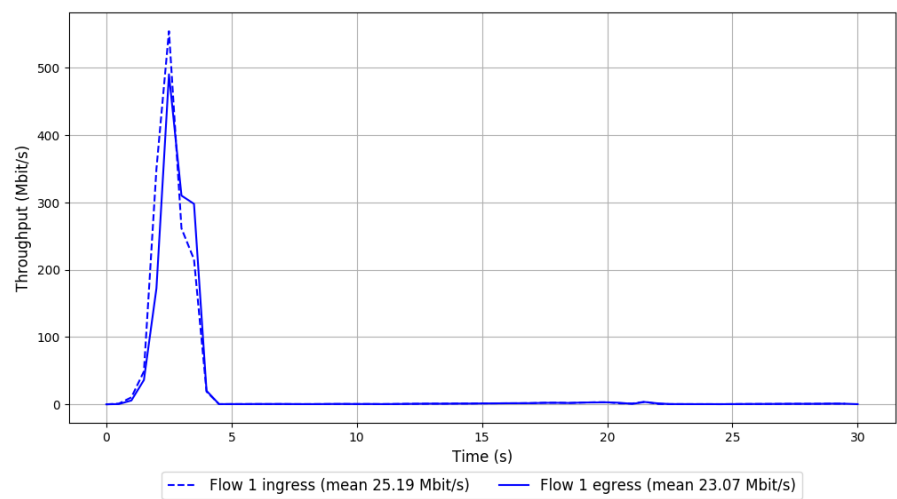
-- Flow 1:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 247.998 ms

Loss rate: 8.41%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-31 04:35:01

End at: 2018-01-31 04:35:31

Below is generated by plot.py at 2018-01-31 06:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 304.199 ms

Loss rate: 9.22%

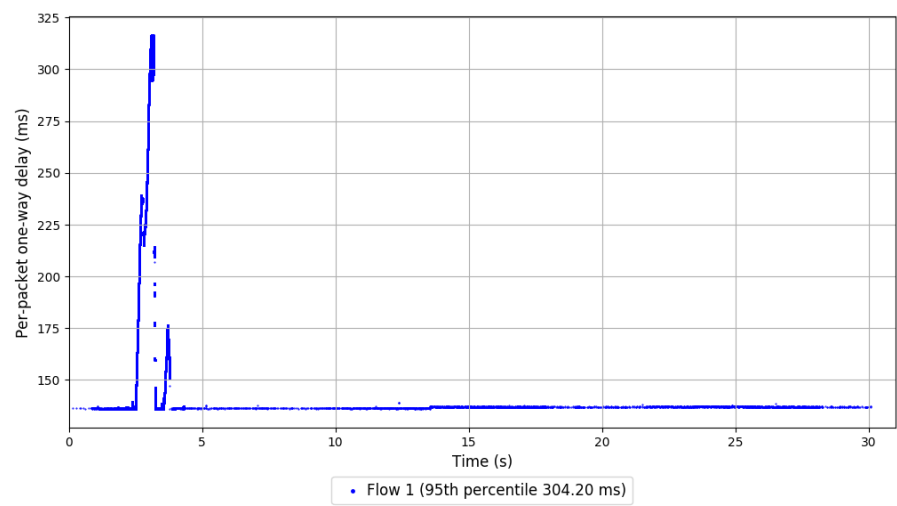
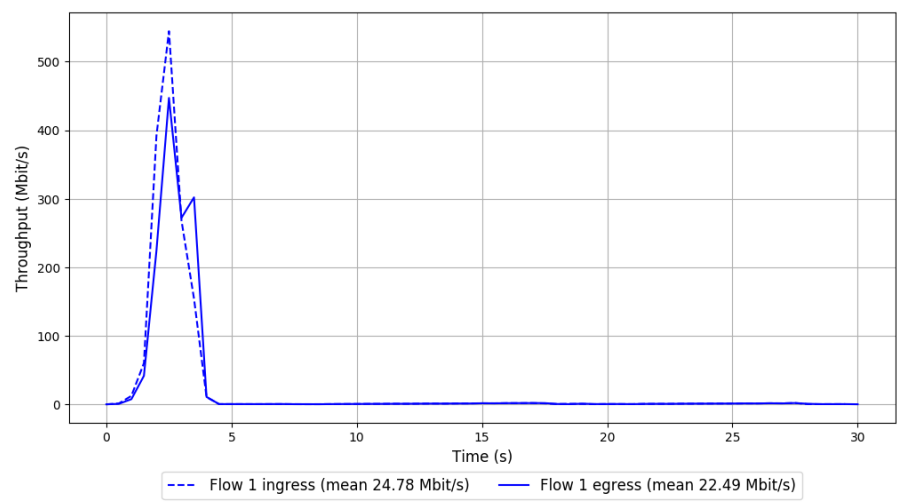
-- Flow 1:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 304.199 ms

Loss rate: 9.22%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-31 04:50:04

End at: 2018-01-31 04:50:34

Below is generated by plot.py at 2018-01-31 06:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.68 Mbit/s

95th percentile per-packet one-way delay: 341.315 ms

Loss rate: 13.09%

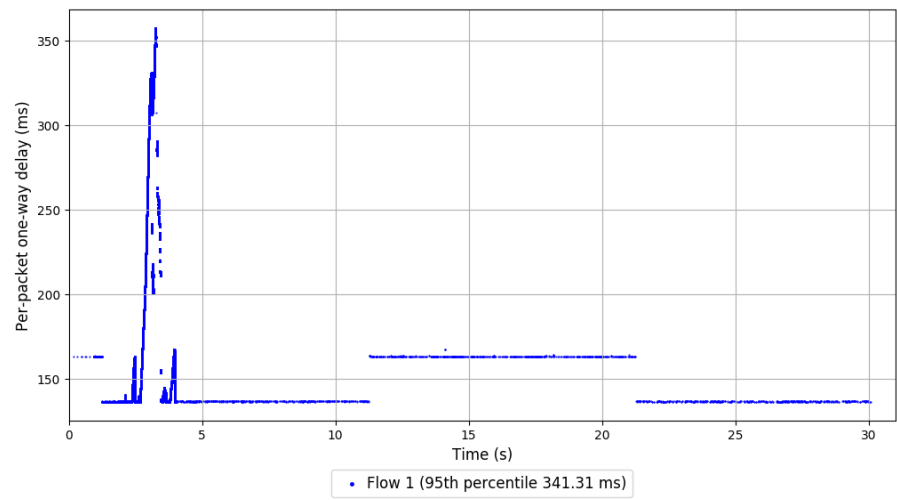
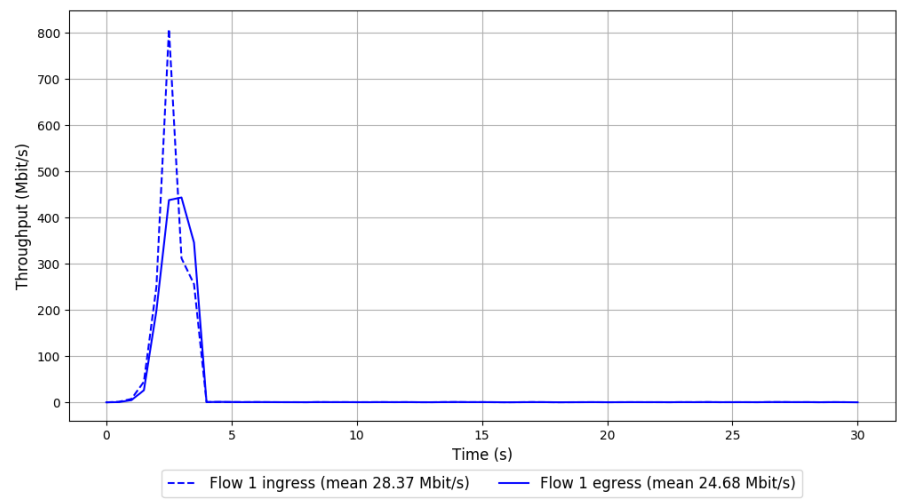
-- Flow 1:

Average throughput: 24.68 Mbit/s

95th percentile per-packet one-way delay: 341.315 ms

Loss rate: 13.09%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-31 05:04:42

End at: 2018-01-31 05:05:12

Below is generated by plot.py at 2018-01-31 06:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.68 Mbit/s

95th percentile per-packet one-way delay: 315.501 ms

Loss rate: 9.15%

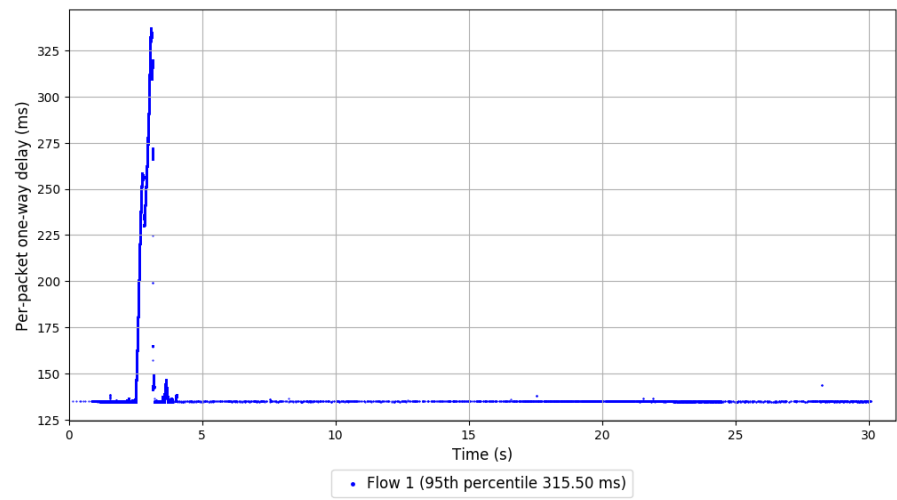
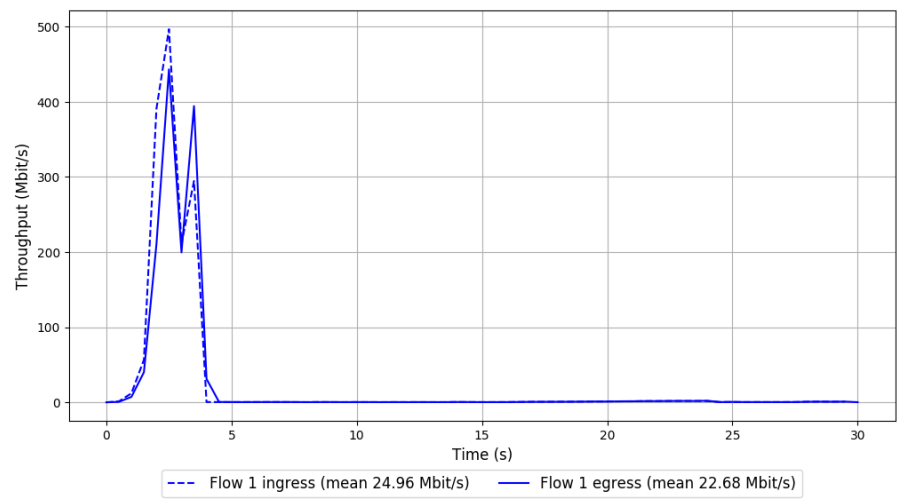
-- Flow 1:

Average throughput: 22.68 Mbit/s

95th percentile per-packet one-way delay: 315.501 ms

Loss rate: 9.15%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-31 05:19:24

End at: 2018-01-31 05:19:54

Below is generated by plot.py at 2018-01-31 06:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 266.270 ms

Loss rate: 11.94%

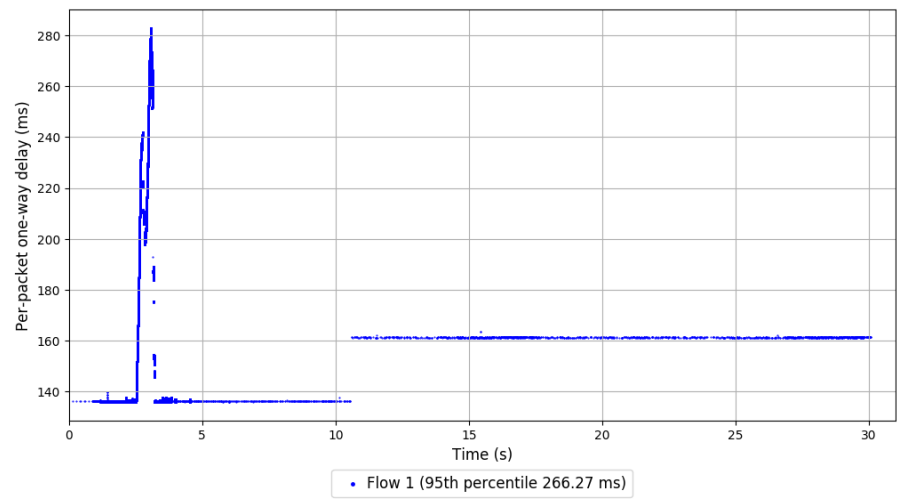
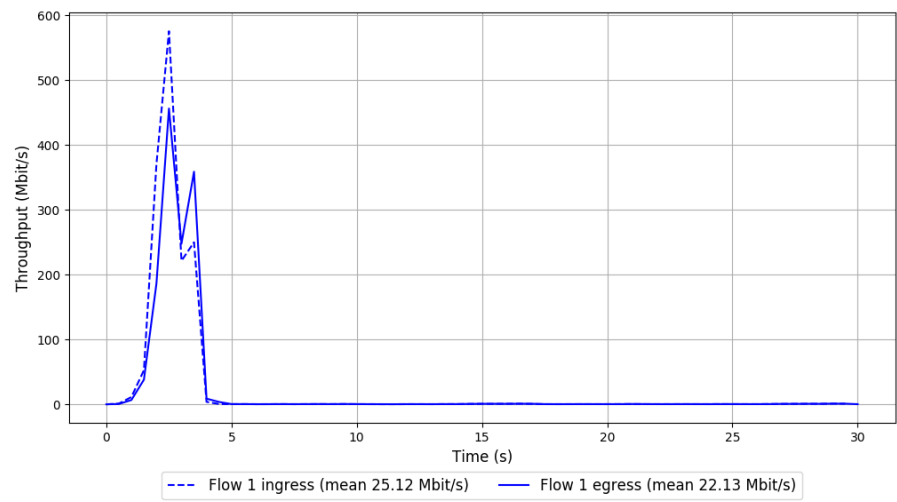
-- Flow 1:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 266.270 ms

Loss rate: 11.94%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-01-31 05:34:16

End at: 2018-01-31 05:34:46

Below is generated by plot.py at 2018-01-31 06:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 266.338 ms

Loss rate: 5.73%

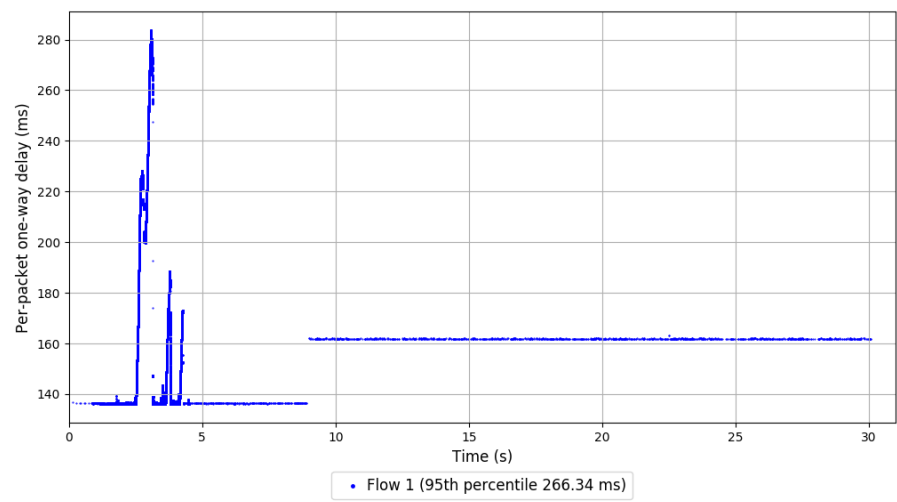
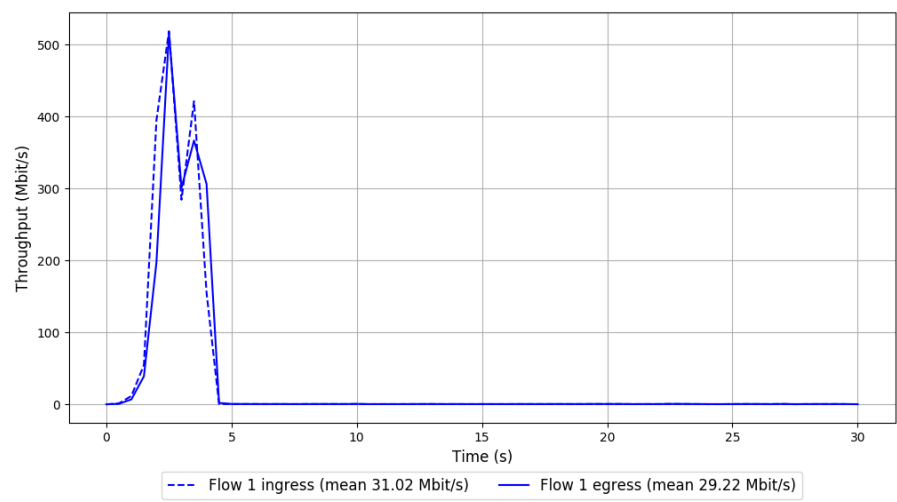
-- Flow 1:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 266.338 ms

Loss rate: 5.73%

Run 10: Report of FillP — Data Link

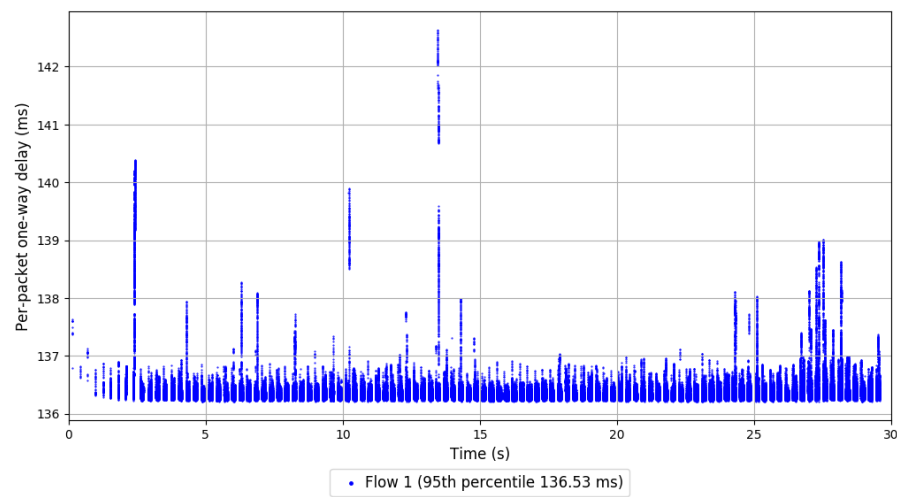
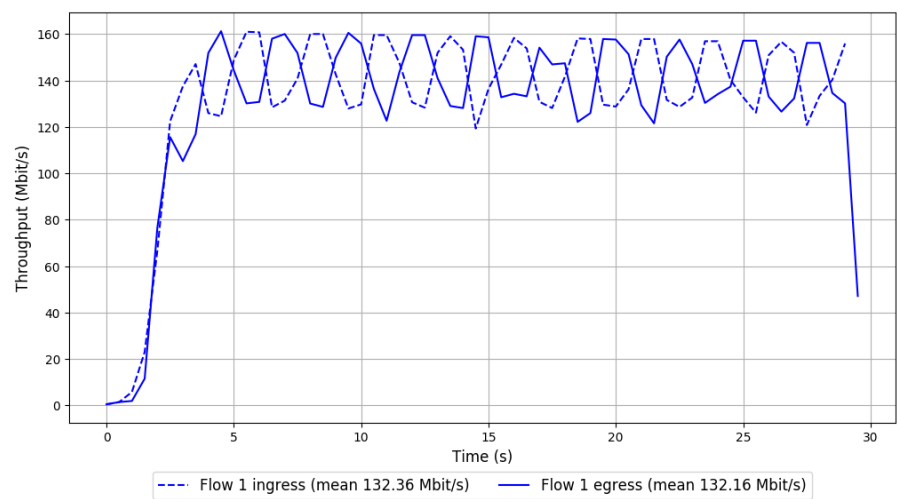


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-31 03:22:34
End at: 2018-01-31 03:23:04

# Below is generated by plot.py at 2018-01-31 06:50:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.16 Mbit/s
95th percentile per-packet one-way delay: 136.525 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 132.16 Mbit/s
95th percentile per-packet one-way delay: 136.525 ms
Loss rate: 0.15%
```

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

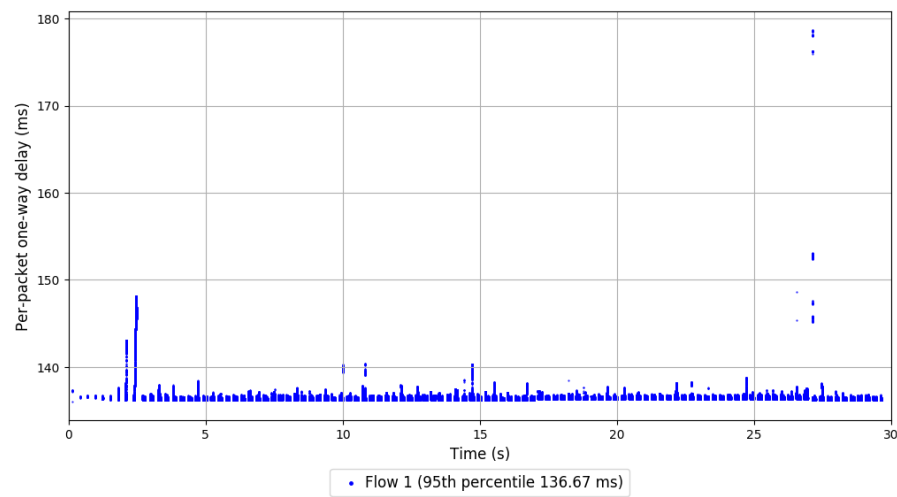
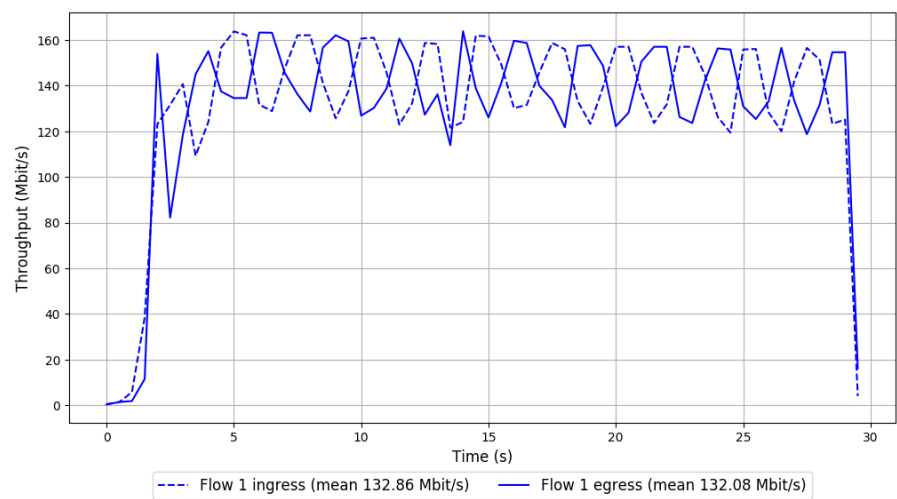


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-31 03:37:57
End at: 2018-01-31 03:38:27

# Below is generated by plot.py at 2018-01-31 06:50:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.08 Mbit/s
95th percentile per-packet one-way delay: 136.674 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 132.08 Mbit/s
95th percentile per-packet one-way delay: 136.674 ms
Loss rate: 0.58%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-31 03:53:07

End at: 2018-01-31 03:53:37

Below is generated by plot.py at 2018-01-31 06:50:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.89 Mbit/s

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

Loss rate: 0.52%

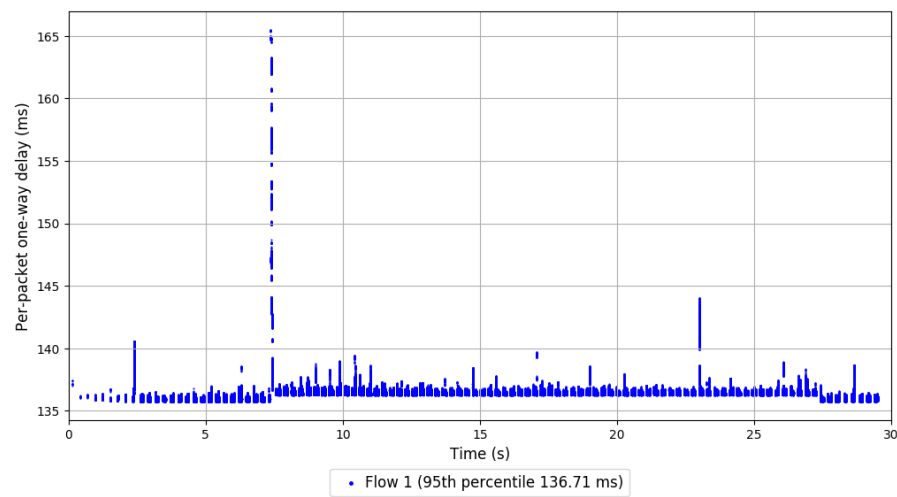
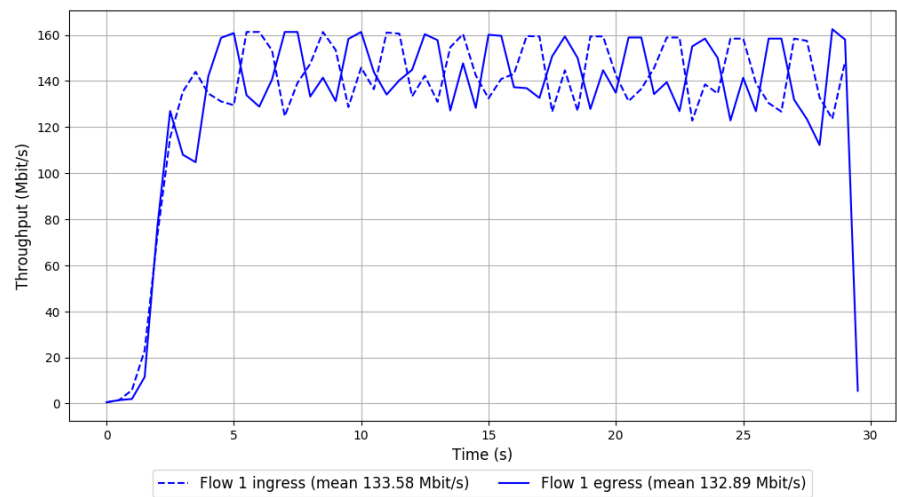
-- Flow 1:

Average throughput: 132.89 Mbit/s

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

Loss rate: 0.52%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-31 04:07:40

End at: 2018-01-31 04:08:10

Below is generated by plot.py at 2018-01-31 06:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.57 Mbit/s

95th percentile per-packet one-way delay: 136.506 ms

Loss rate: 0.59%

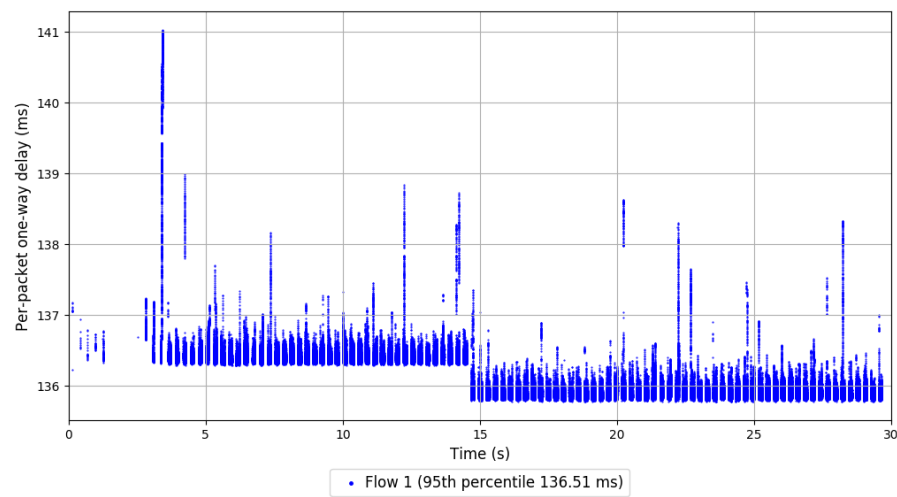
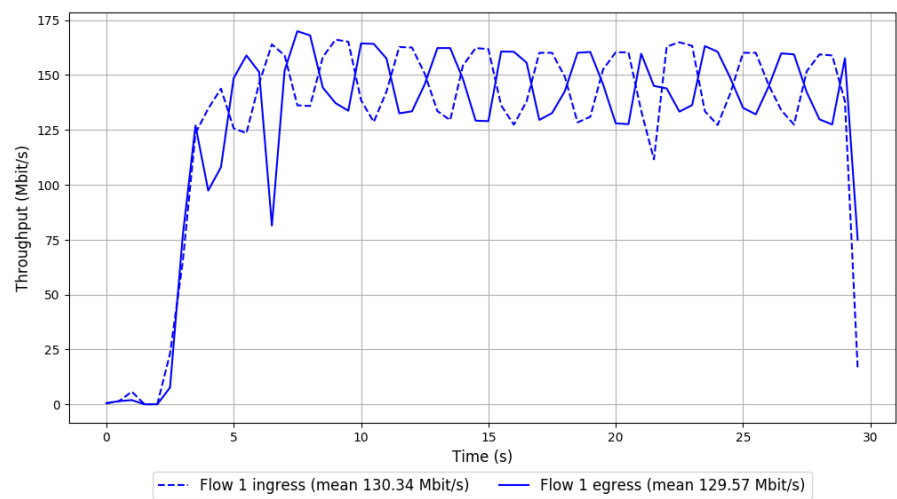
-- Flow 1:

Average throughput: 129.57 Mbit/s

95th percentile per-packet one-way delay: 136.506 ms

Loss rate: 0.59%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-31 04:22:42

End at: 2018-01-31 04:23:12

Below is generated by plot.py at 2018-01-31 06:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.04 Mbit/s

95th percentile per-packet one-way delay: 138.329 ms

Loss rate: 2.68%

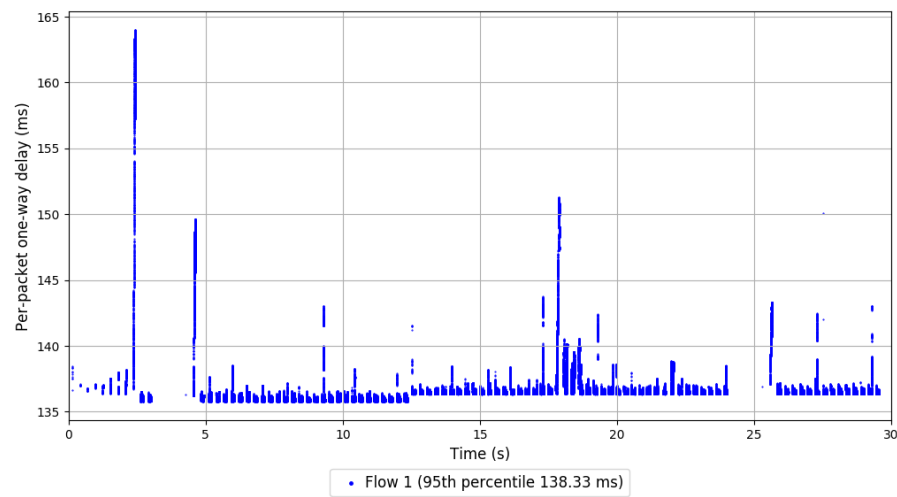
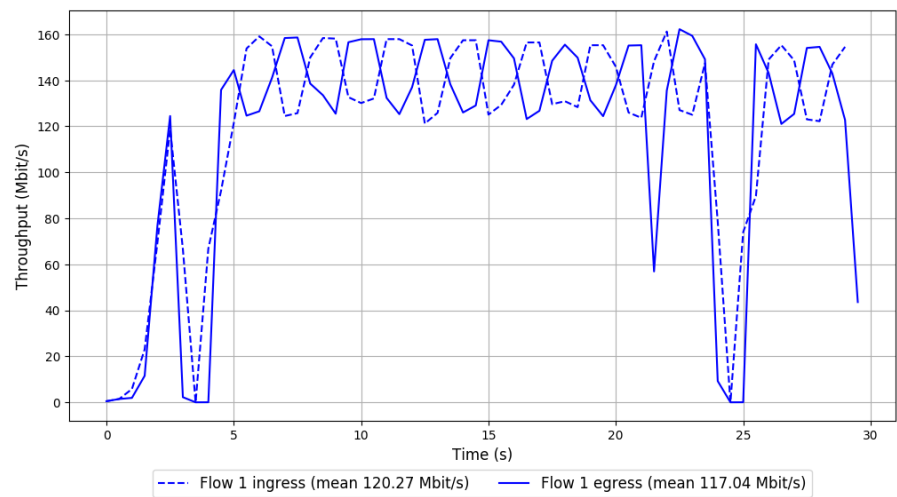
-- Flow 1:

Average throughput: 117.04 Mbit/s

95th percentile per-packet one-way delay: 138.329 ms

Loss rate: 2.68%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-31 04:37:21

End at: 2018-01-31 04:37:51

Below is generated by plot.py at 2018-01-31 06:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.00 Mbit/s

95th percentile per-packet one-way delay: 136.561 ms

Loss rate: 0.35%

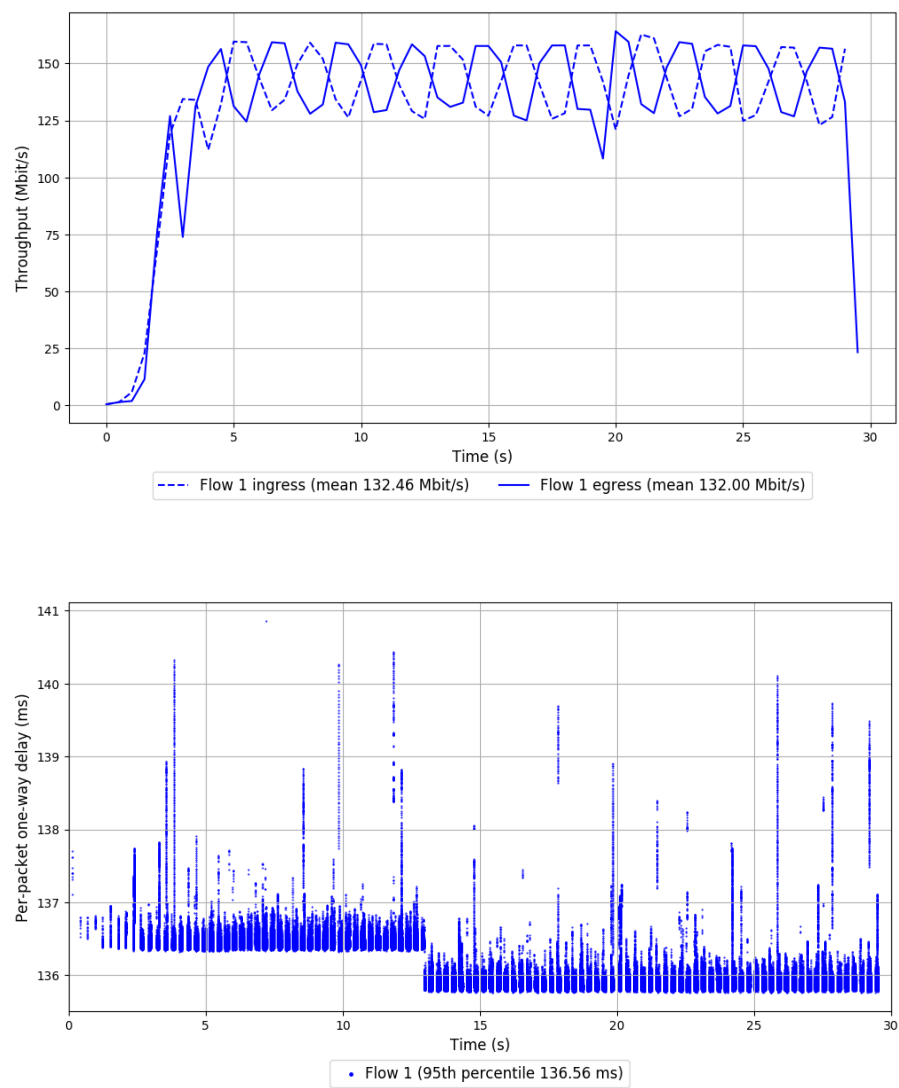
-- Flow 1:

Average throughput: 132.00 Mbit/s

95th percentile per-packet one-way delay: 136.561 ms

Loss rate: 0.35%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-31 04:52:23

End at: 2018-01-31 04:52:53

Below is generated by plot.py at 2018-01-31 06:51:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.68 Mbit/s

95th percentile per-packet one-way delay: 163.736 ms

Loss rate: 0.17%

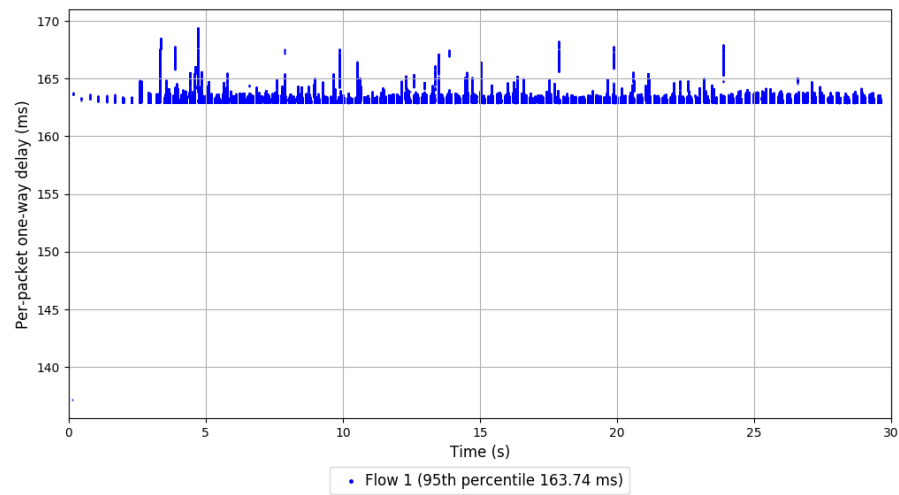
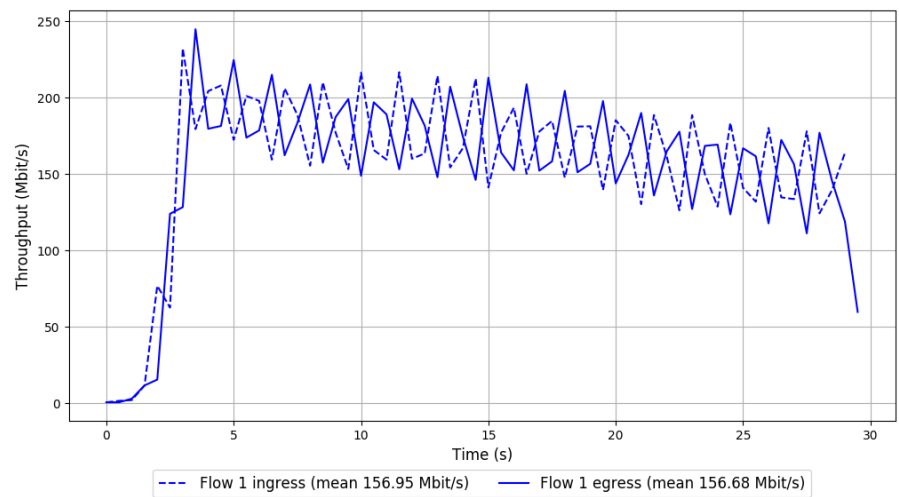
-- Flow 1:

Average throughput: 156.68 Mbit/s

95th percentile per-packet one-way delay: 163.736 ms

Loss rate: 0.17%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-31 05:07:28

End at: 2018-01-31 05:07:58

Below is generated by plot.py at 2018-01-31 06:51:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.04 Mbit/s

95th percentile per-packet one-way delay: 163.089 ms

Loss rate: 0.42%

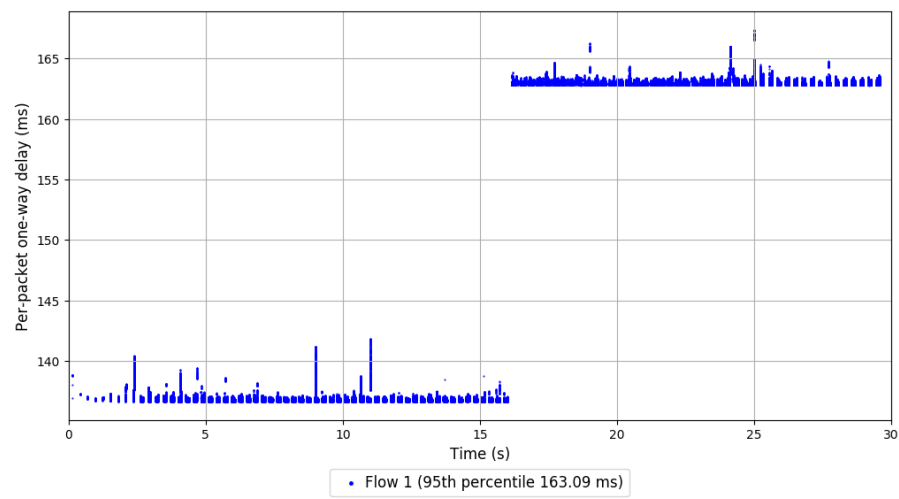
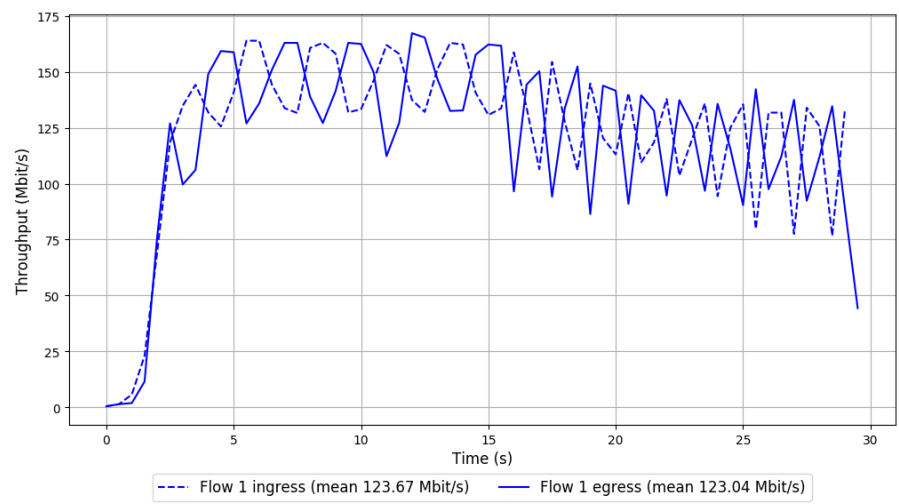
-- Flow 1:

Average throughput: 123.04 Mbit/s

95th percentile per-packet one-way delay: 163.089 ms

Loss rate: 0.42%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-31 05:22:11

End at: 2018-01-31 05:22:41

Below is generated by plot.py at 2018-01-31 06:52:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.96 Mbit/s

95th percentile per-packet one-way delay: 161.925 ms

Loss rate: 0.49%

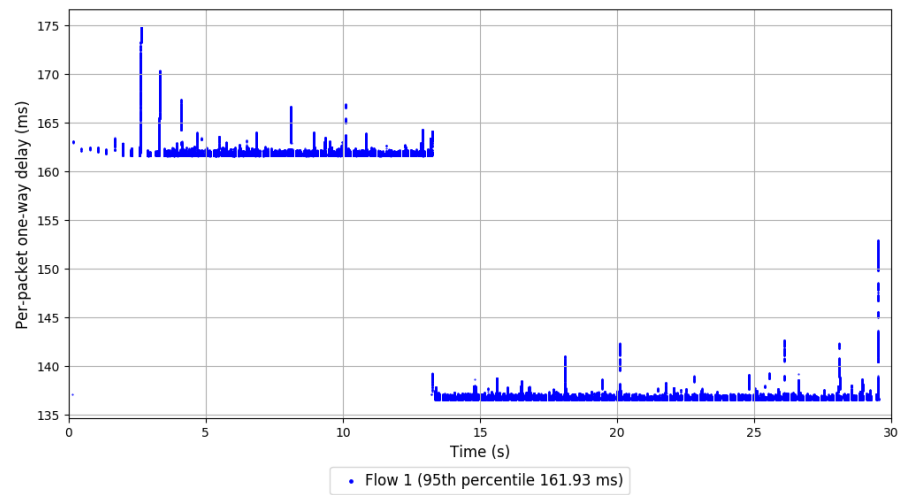
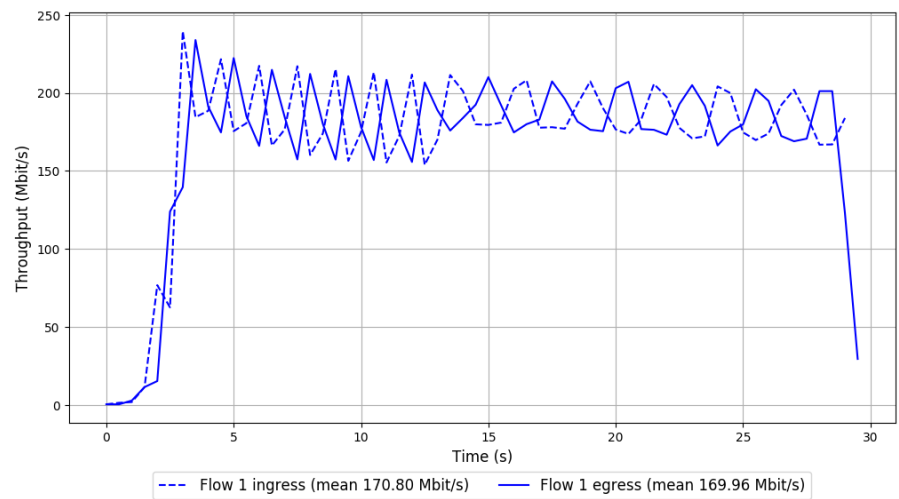
-- Flow 1:

Average throughput: 169.96 Mbit/s

95th percentile per-packet one-way delay: 161.925 ms

Loss rate: 0.49%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-31 05:37:07

End at: 2018-01-31 05:37:37

Below is generated by plot.py at 2018-01-31 06:52:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.44 Mbit/s

95th percentile per-packet one-way delay: 161.583 ms

Loss rate: 0.22%

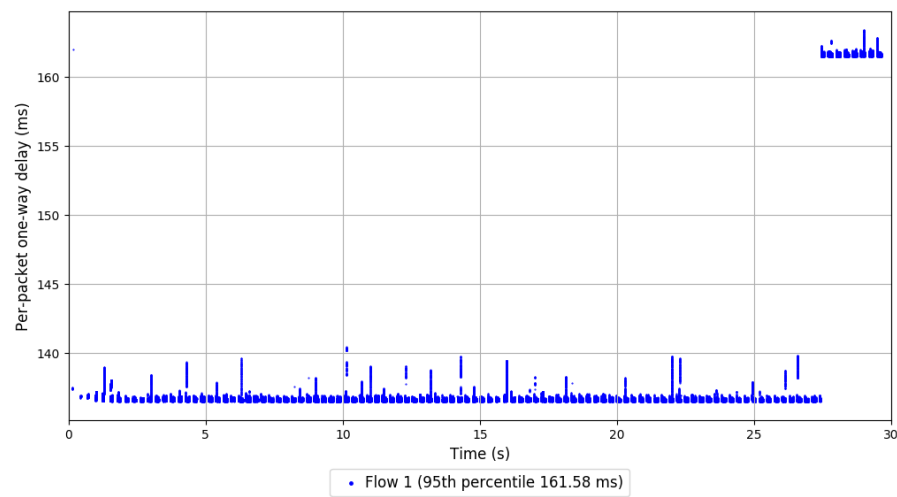
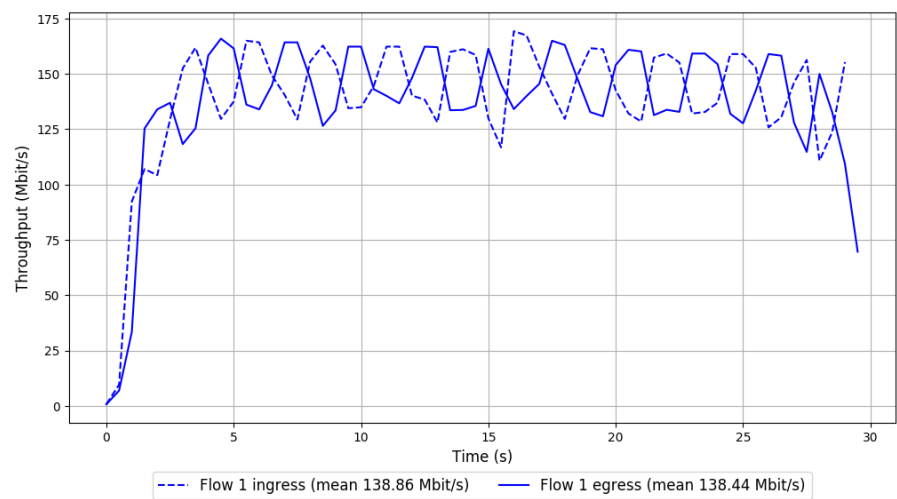
-- Flow 1:

Average throughput: 138.44 Mbit/s

95th percentile per-packet one-way delay: 161.583 ms

Loss rate: 0.22%

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

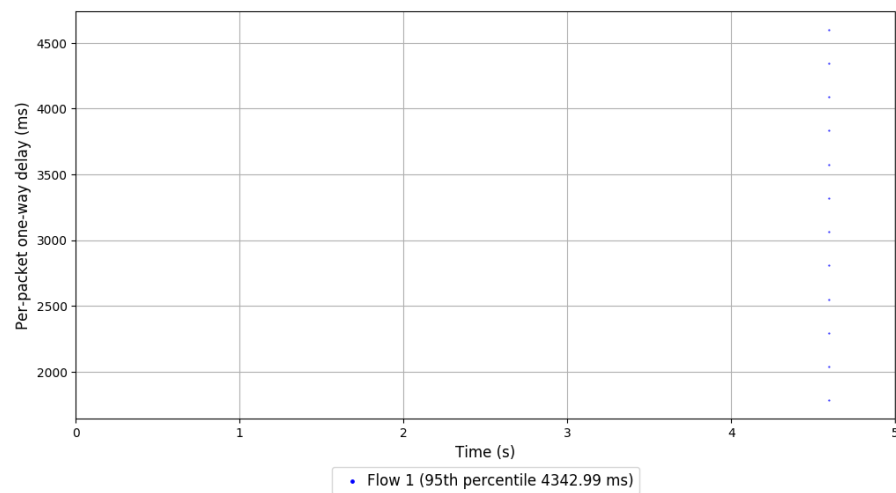
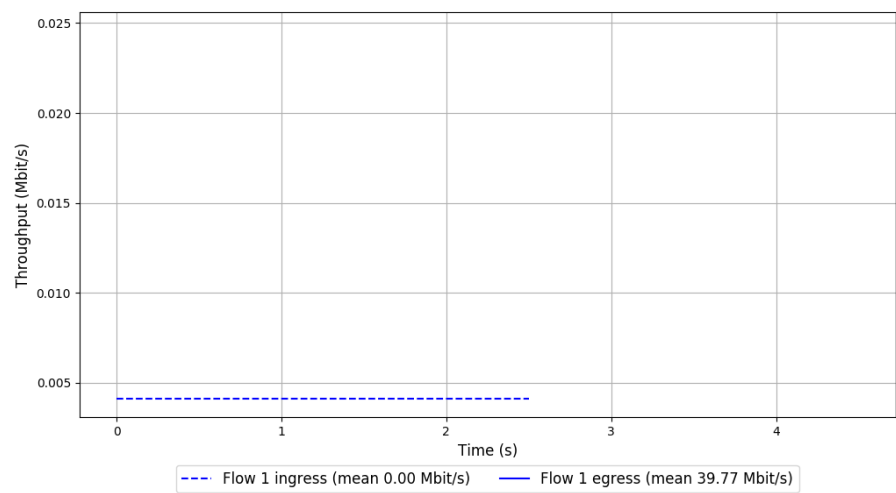


Run 1: Statistics of Vivace-latency

Start at: 2018-01-31 03:21:52

End at: 2018-01-31 03:22:22

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-31 03:36:48

End at: 2018-01-31 03:37:18

Below is generated by plot.py at 2018-01-31 06:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.83 Mbit/s

95th percentile per-packet one-way delay: 138.085 ms

Loss rate: 0.42%

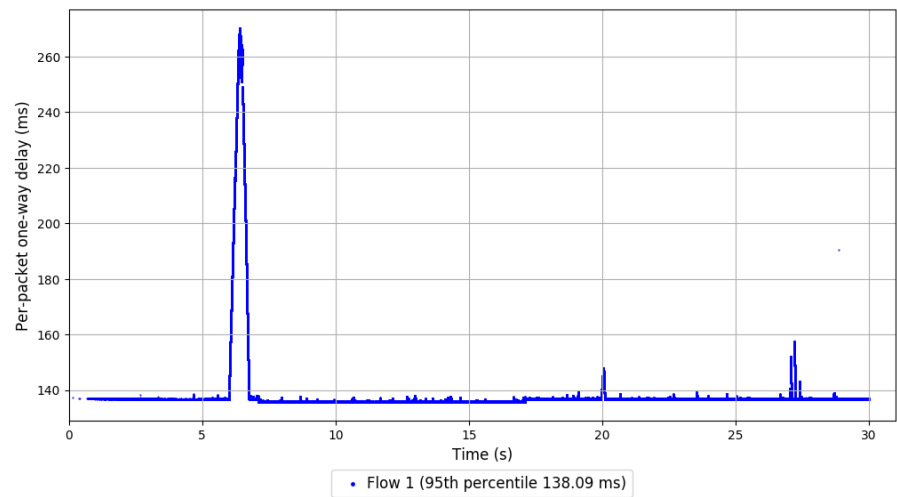
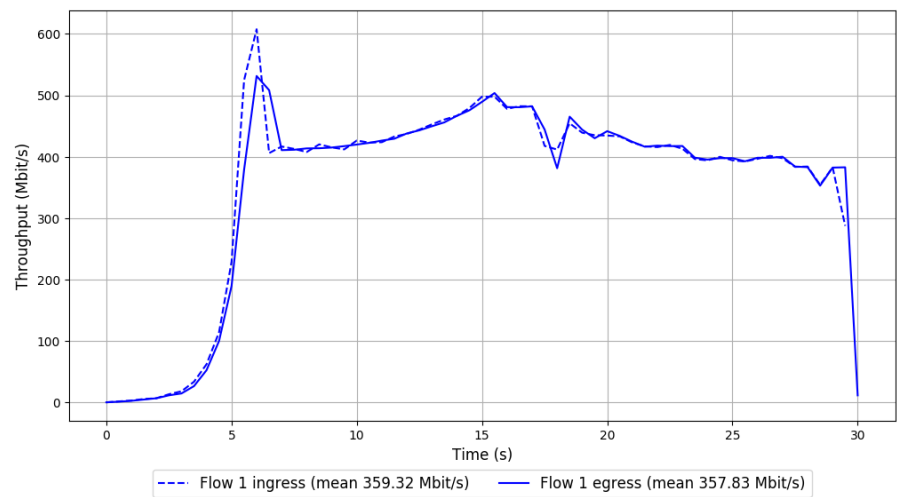
-- Flow 1:

Average throughput: 357.83 Mbit/s

95th percentile per-packet one-way delay: 138.085 ms

Loss rate: 0.42%

Run 2: Report of Vivace-latency — Data Link

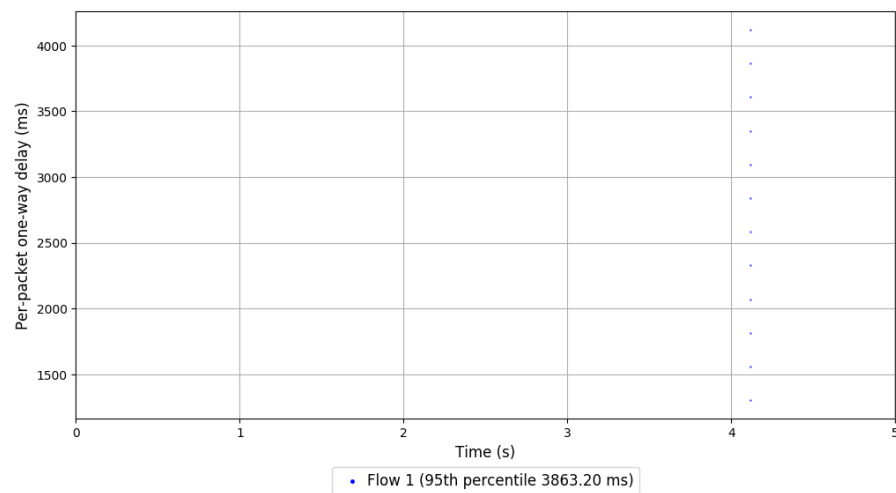
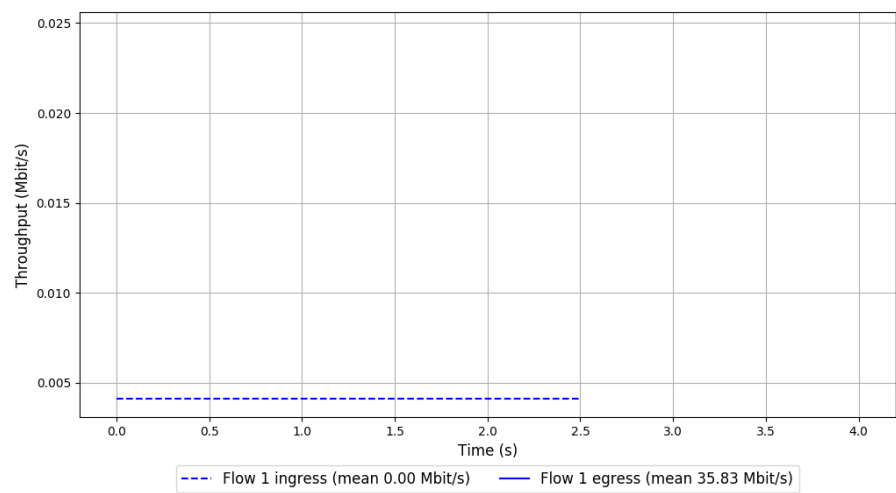


Run 3: Statistics of Vivace-latency

Start at: 2018-01-31 03:52:25

End at: 2018-01-31 03:52:55

Run 3: Report of Vivace-latency — Data Link

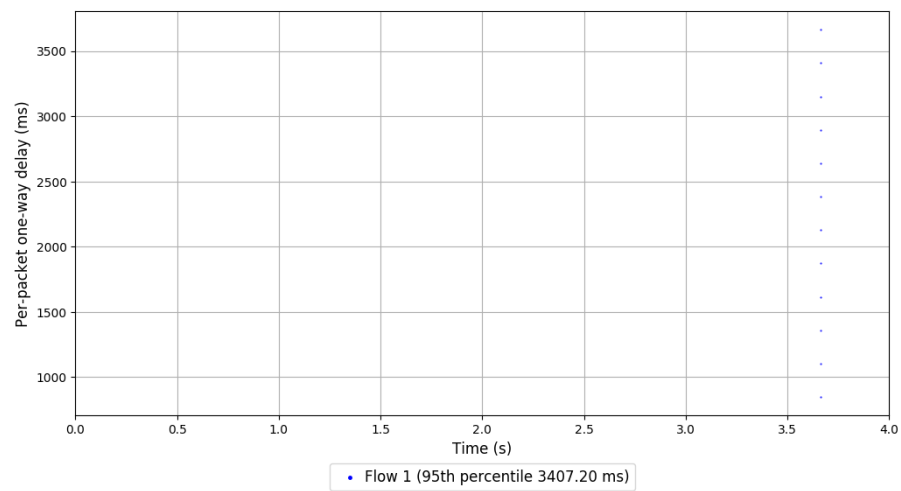
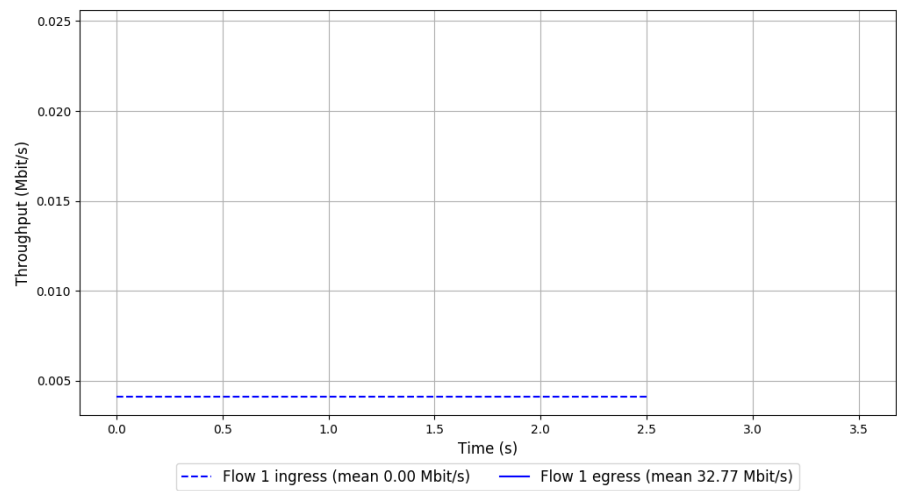


Run 4: Statistics of Vivace-latency

Start at: 2018-01-31 04:06:58

End at: 2018-01-31 04:07:28

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-31 04:21:31

End at: 2018-01-31 04:22:01

Below is generated by plot.py at 2018-01-31 06:56:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 371.32 Mbit/s

95th percentile per-packet one-way delay: 143.305 ms

Loss rate: 0.61%

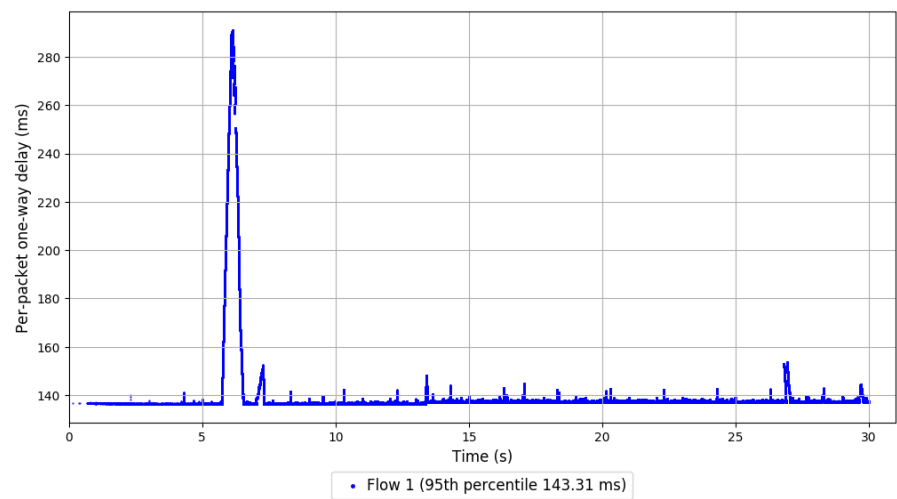
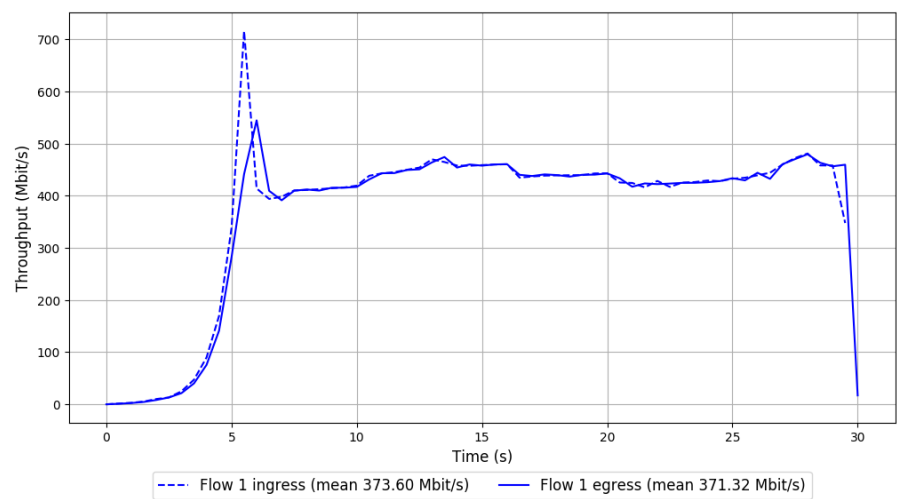
-- Flow 1:

Average throughput: 371.32 Mbit/s

95th percentile per-packet one-way delay: 143.305 ms

Loss rate: 0.61%

Run 5: Report of Vivace-latency — Data Link

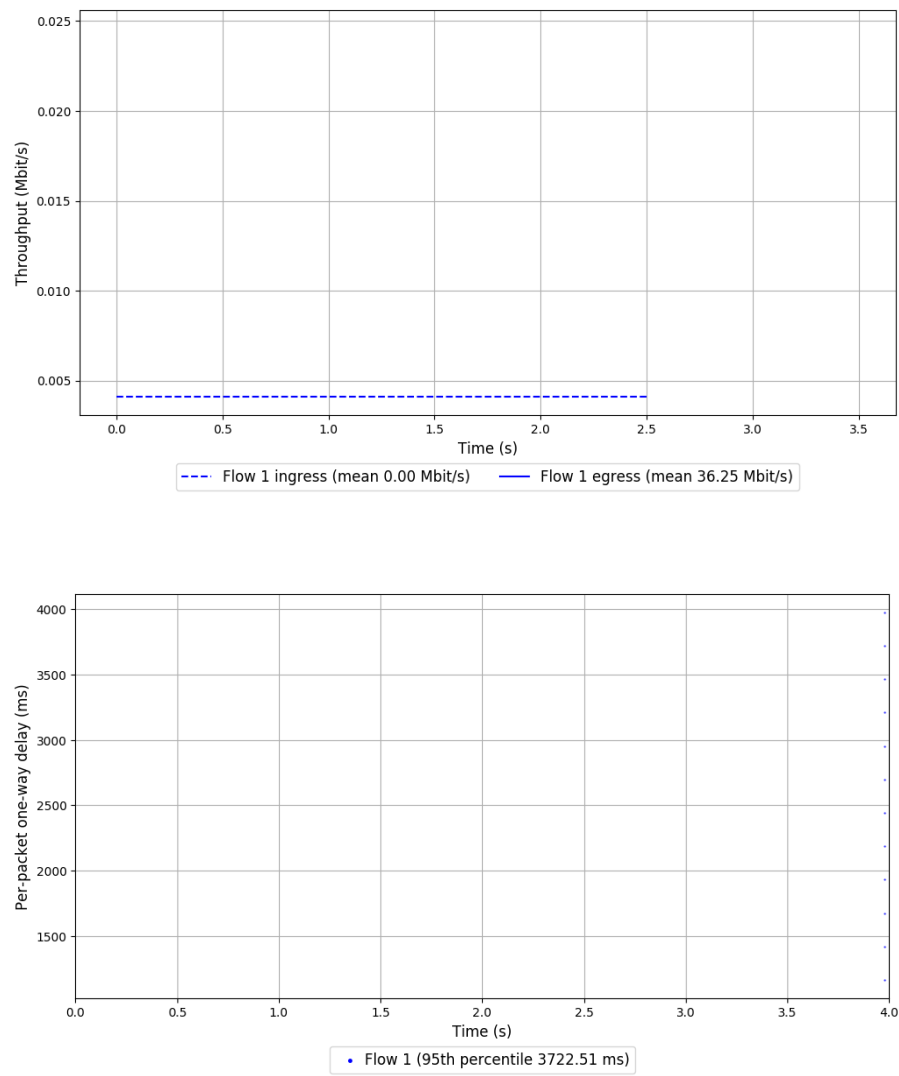


Run 6: Statistics of Vivace-latency

Start at: 2018-01-31 04:36:40

End at: 2018-01-31 04:37:10

Run 6: Report of Vivace-latency — Data Link

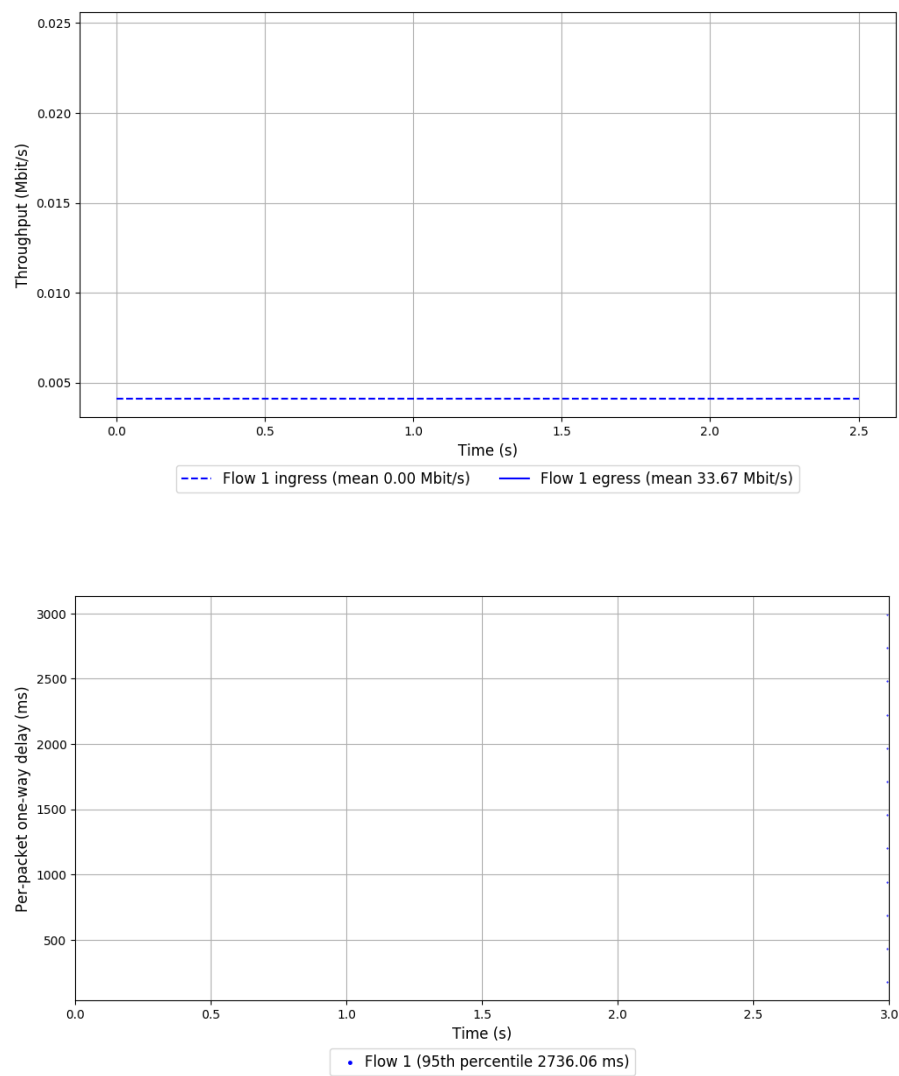


Run 7: Statistics of Vivace-latency

Start at: 2018-01-31 04:51:42

End at: 2018-01-31 04:52:12

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-31 05:06:20

End at: 2018-01-31 05:06:50

Below is generated by plot.py at 2018-01-31 06:56:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 344.62 Mbit/s

95th percentile per-packet one-way delay: 150.969 ms

Loss rate: 0.64%

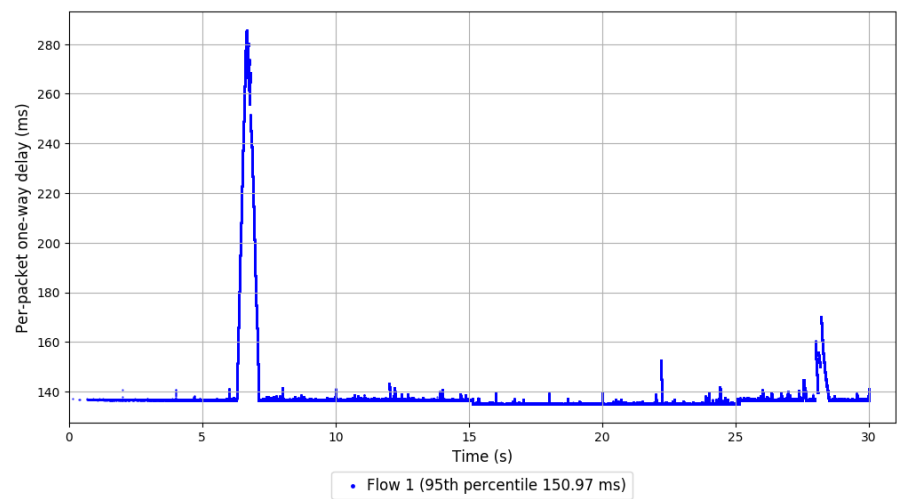
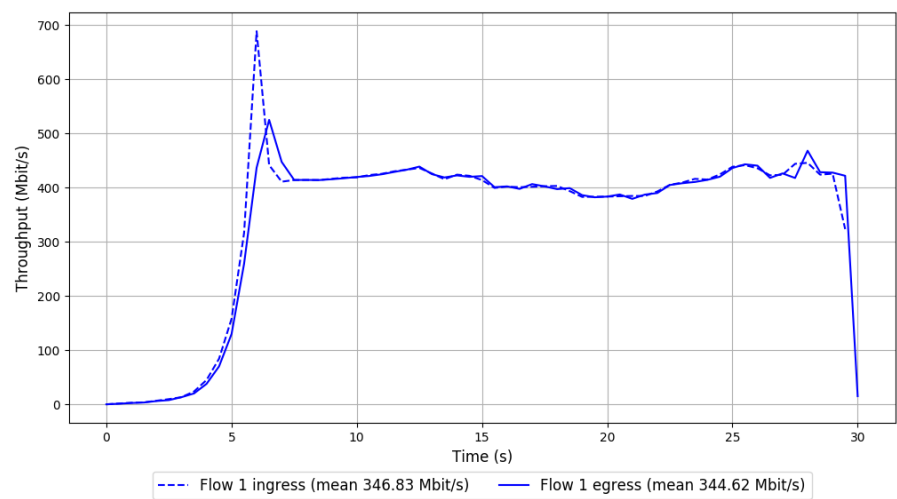
-- Flow 1:

Average throughput: 344.62 Mbit/s

95th percentile per-packet one-way delay: 150.969 ms

Loss rate: 0.64%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-31 05:21:02

End at: 2018-01-31 05:21:32

Below is generated by plot.py at 2018-01-31 06:56:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.65 Mbit/s

95th percentile per-packet one-way delay: 149.637 ms

Loss rate: 0.07%

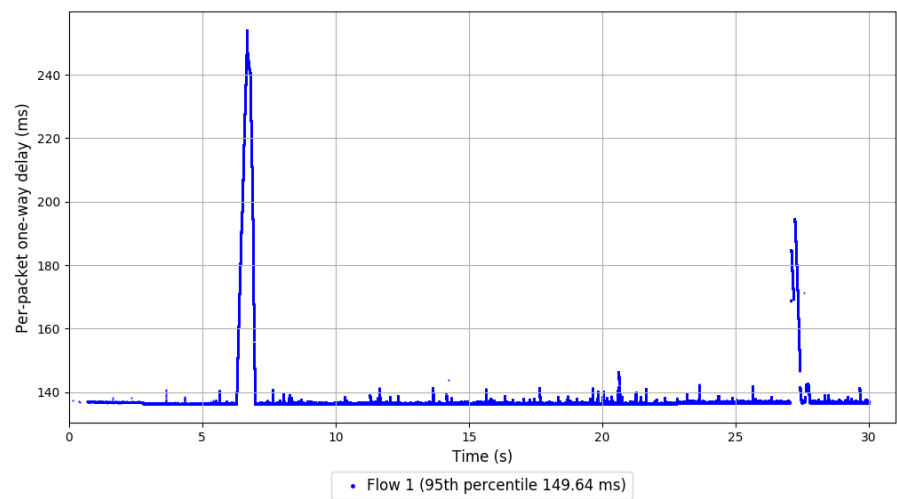
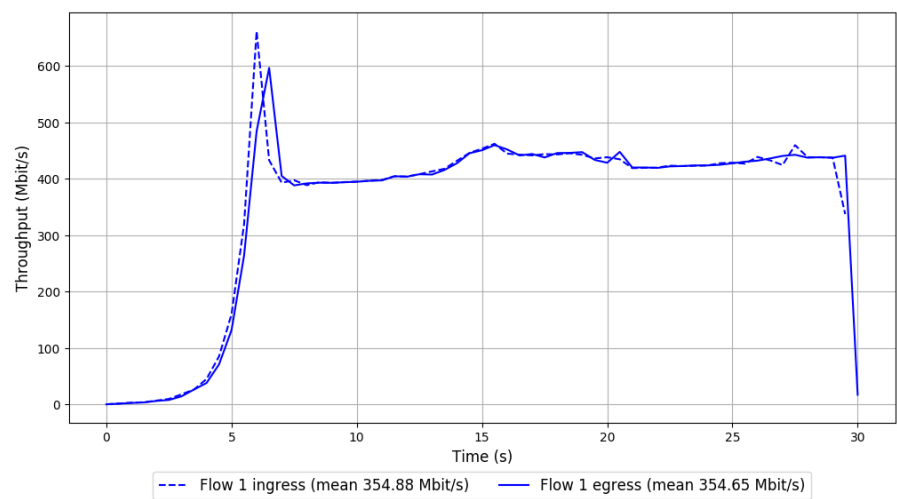
-- Flow 1:

Average throughput: 354.65 Mbit/s

95th percentile per-packet one-way delay: 149.637 ms

Loss rate: 0.07%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-01-31 05:35:55

End at: 2018-01-31 05:36:25

Below is generated by plot.py at 2018-01-31 06:57:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.67 Mbit/s

95th percentile per-packet one-way delay: 203.883 ms

Loss rate: 0.33%

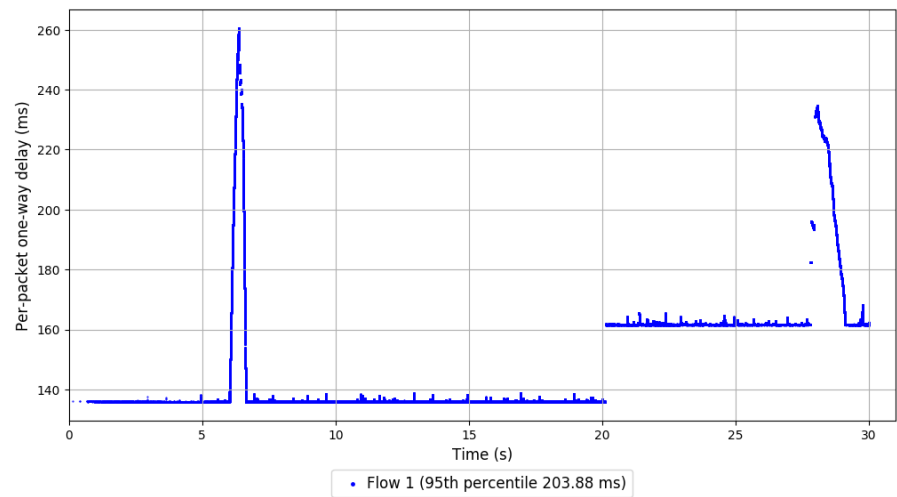
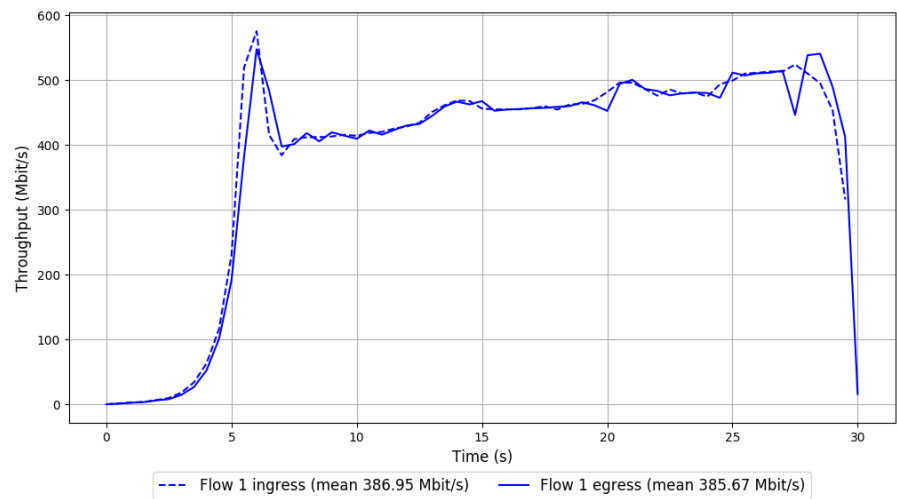
-- Flow 1:

Average throughput: 385.67 Mbit/s

95th percentile per-packet one-way delay: 203.883 ms

Loss rate: 0.33%

Run 10: Report of Vivace-latency — Data Link

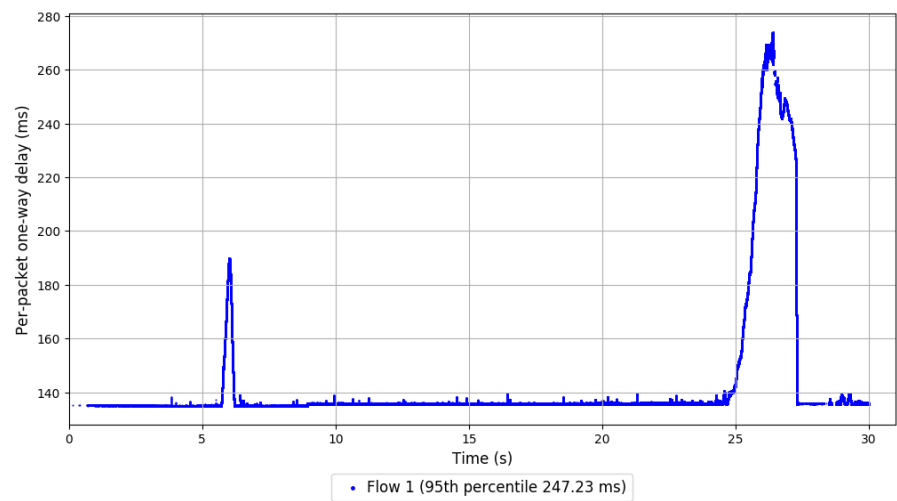
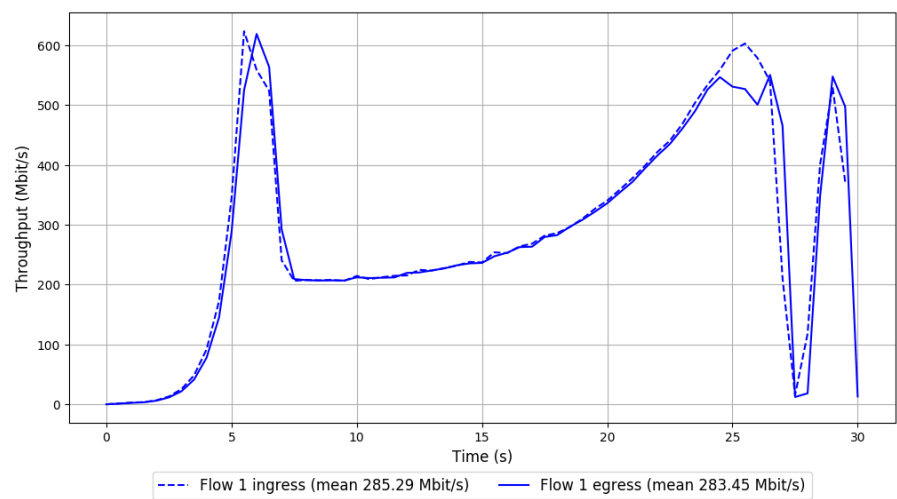


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-31 03:23:26
End at: 2018-01-31 03:23:56

# Below is generated by plot.py at 2018-01-31 06:57:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 283.45 Mbit/s
95th percentile per-packet one-way delay: 247.227 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 283.45 Mbit/s
95th percentile per-packet one-way delay: 247.227 ms
Loss rate: 0.65%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-31 03:38:50

End at: 2018-01-31 03:39:20

Below is generated by plot.py at 2018-01-31 06:57:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.80 Mbit/s

95th percentile per-packet one-way delay: 236.501 ms

Loss rate: 1.42%

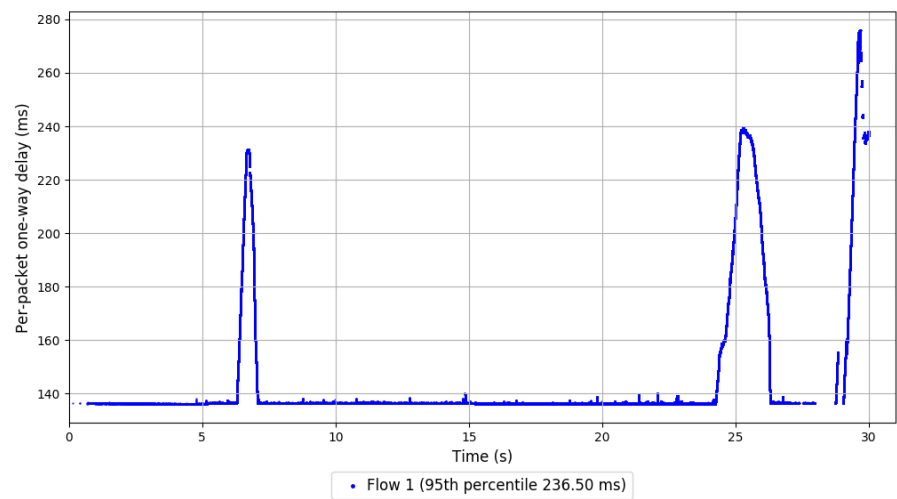
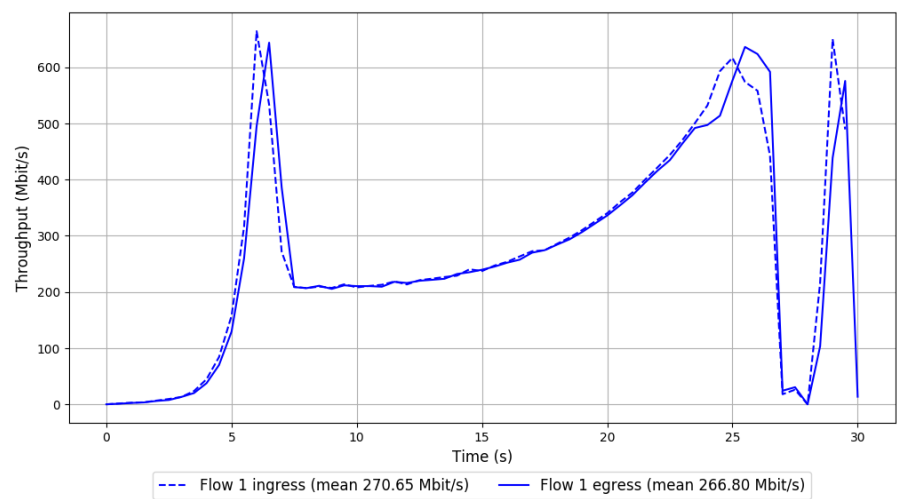
-- Flow 1:

Average throughput: 266.80 Mbit/s

95th percentile per-packet one-way delay: 236.501 ms

Loss rate: 1.42%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-31 03:53:59

End at: 2018-01-31 03:54:29

Below is generated by plot.py at 2018-01-31 06:57:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.87 Mbit/s

95th percentile per-packet one-way delay: 263.913 ms

Loss rate: 5.16%

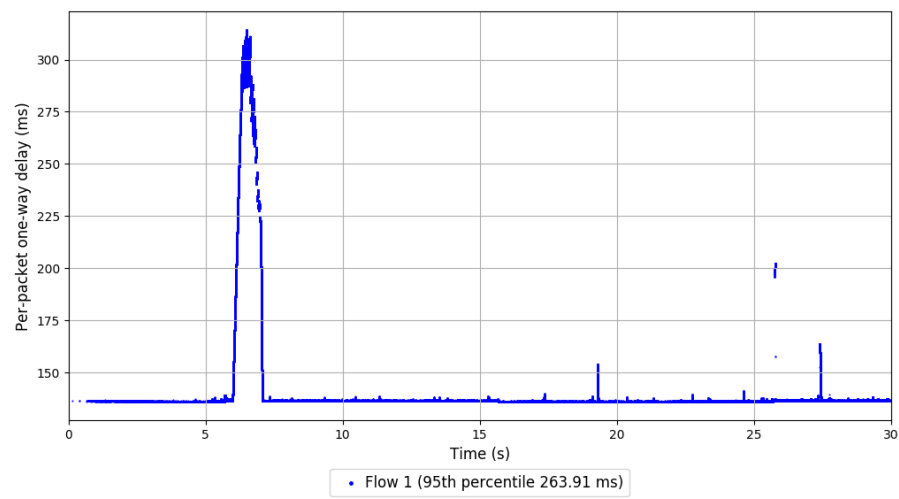
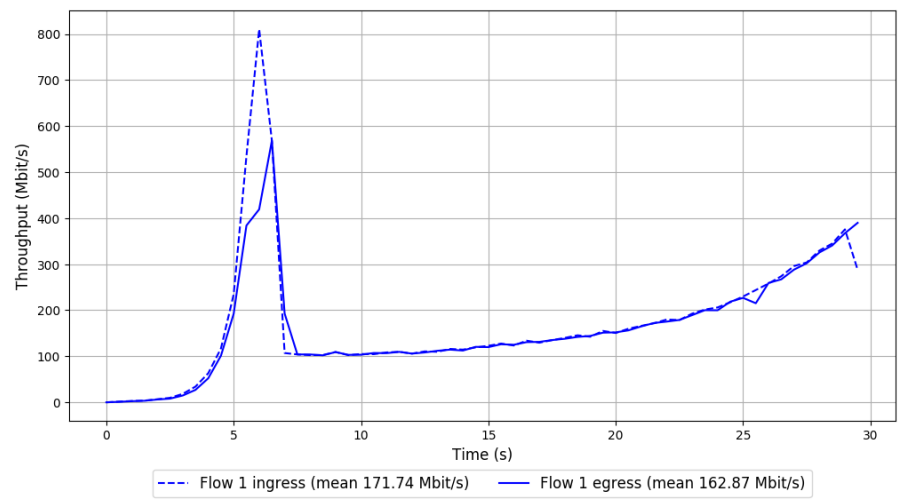
-- Flow 1:

Average throughput: 162.87 Mbit/s

95th percentile per-packet one-way delay: 263.913 ms

Loss rate: 5.16%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-31 04:08:32

End at: 2018-01-31 04:09:02

Below is generated by plot.py at 2018-01-31 06:58:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.15 Mbit/s

95th percentile per-packet one-way delay: 217.555 ms

Loss rate: 0.31%

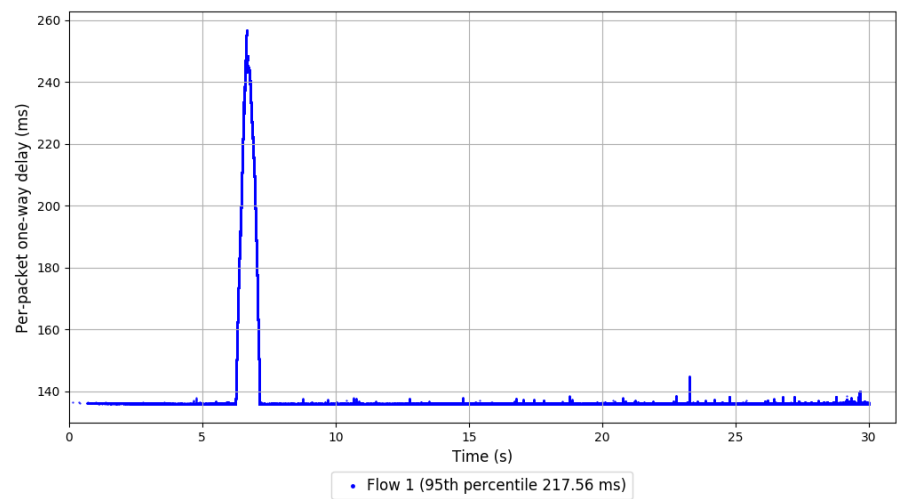
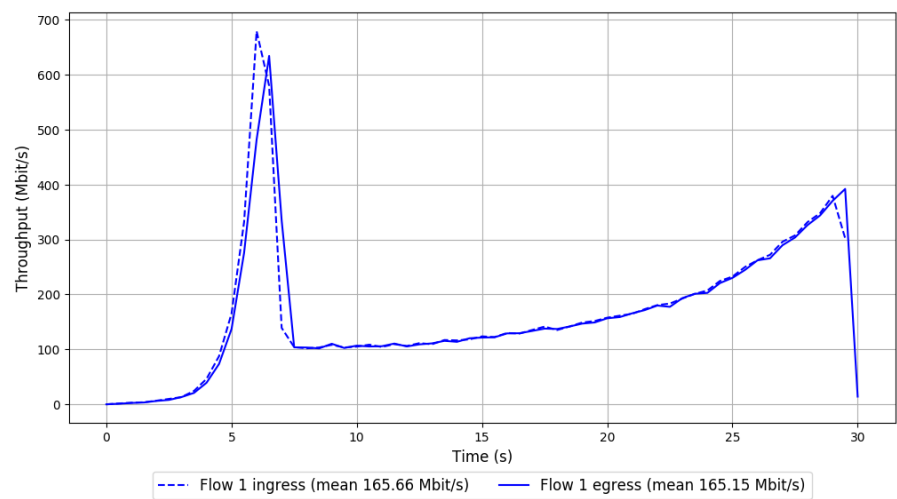
-- Flow 1:

Average throughput: 165.15 Mbit/s

95th percentile per-packet one-way delay: 217.555 ms

Loss rate: 0.31%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-31 04:23:33

End at: 2018-01-31 04:24:03

Below is generated by plot.py at 2018-01-31 07:00:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 319.44 Mbit/s

95th percentile per-packet one-way delay: 284.590 ms

Loss rate: 1.32%

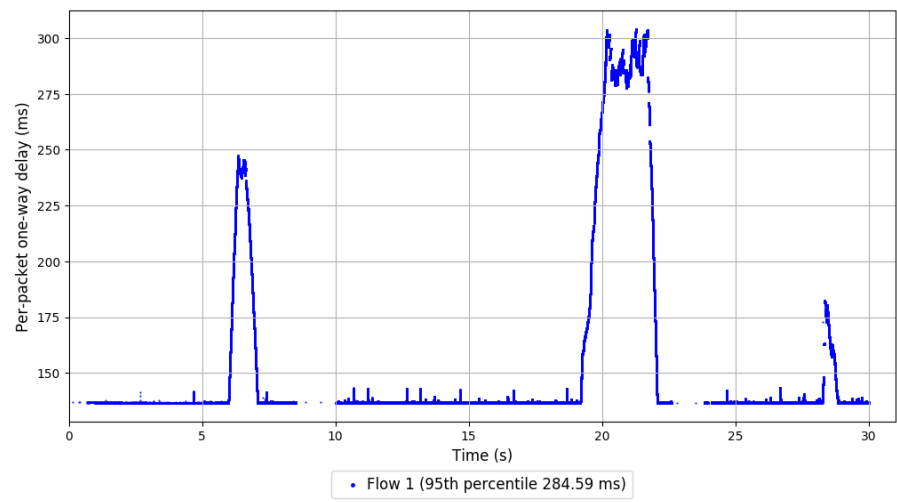
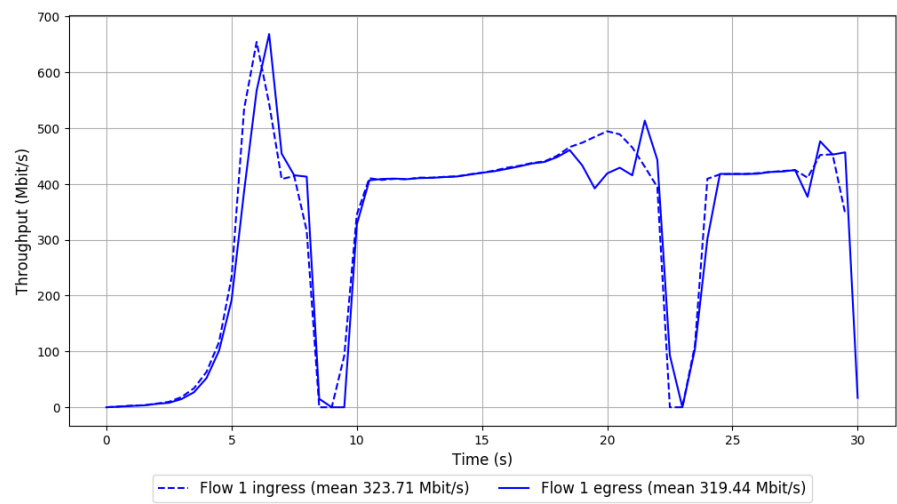
-- Flow 1:

Average throughput: 319.44 Mbit/s

95th percentile per-packet one-way delay: 284.590 ms

Loss rate: 1.32%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-31 04:38:14

End at: 2018-01-31 04:38:44

Below is generated by plot.py at 2018-01-31 07:01:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.69 Mbit/s

95th percentile per-packet one-way delay: 264.402 ms

Loss rate: 3.99%

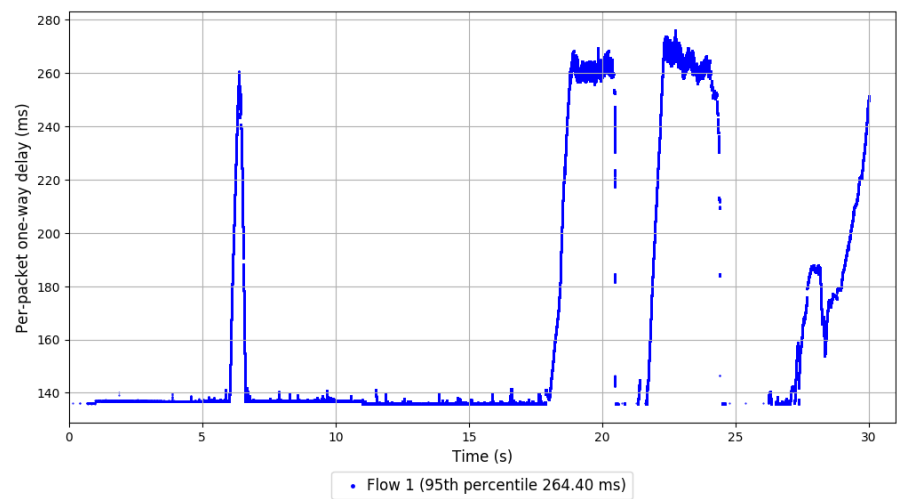
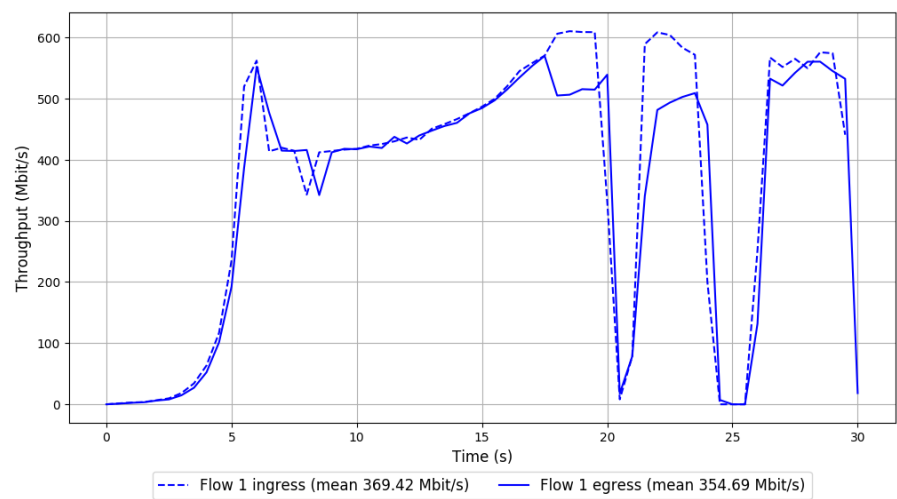
-- Flow 1:

Average throughput: 354.69 Mbit/s

95th percentile per-packet one-way delay: 264.402 ms

Loss rate: 3.99%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-31 04:53:17

End at: 2018-01-31 04:53:47

Below is generated by plot.py at 2018-01-31 07:01:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.46 Mbit/s

95th percentile per-packet one-way delay: 275.815 ms

Loss rate: 5.43%

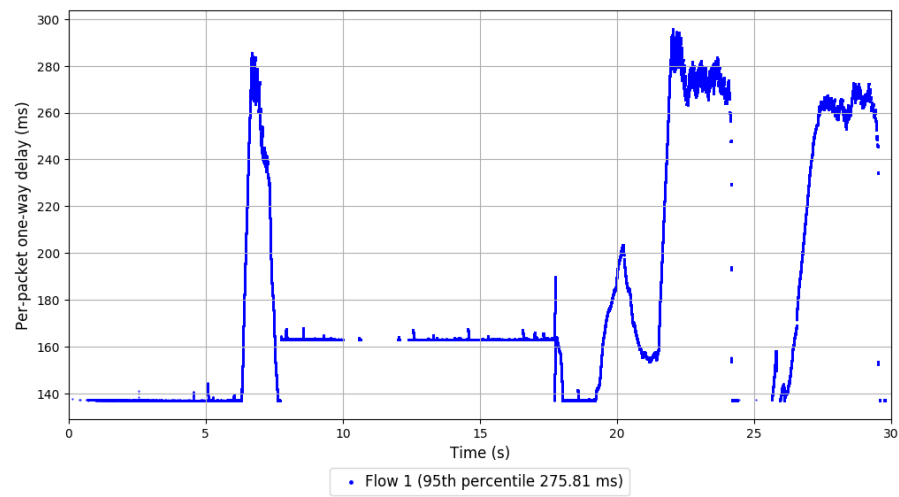
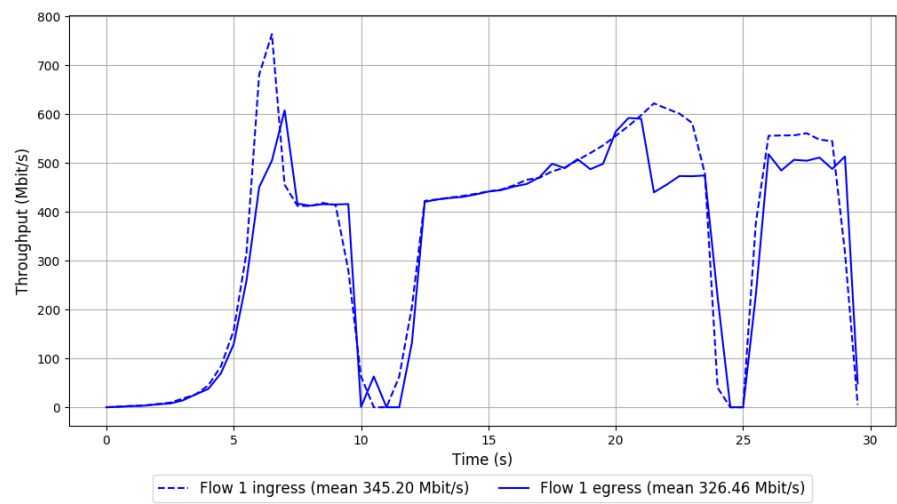
-- Flow 1:

Average throughput: 326.46 Mbit/s

95th percentile per-packet one-way delay: 275.815 ms

Loss rate: 5.43%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-31 05:08:19

End at: 2018-01-31 05:08:49

Below is generated by plot.py at 2018-01-31 07:01:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 318.05 Mbit/s

95th percentile per-packet one-way delay: 259.995 ms

Loss rate: 2.69%

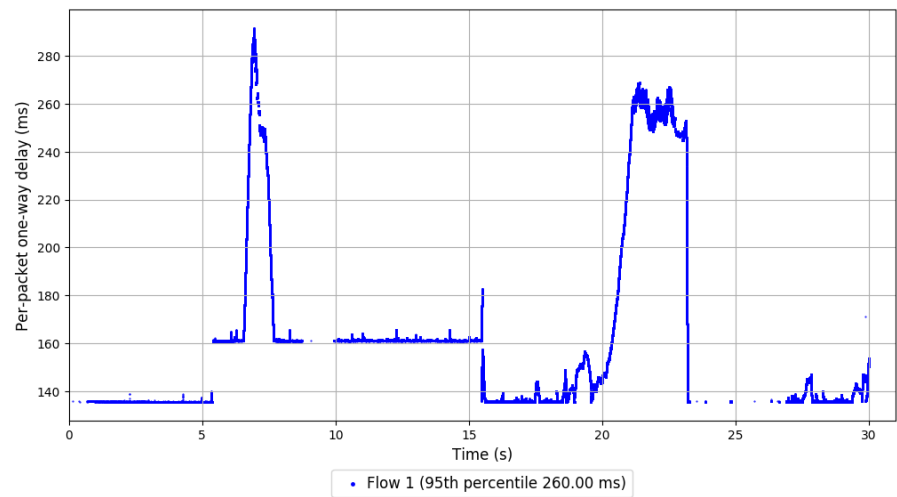
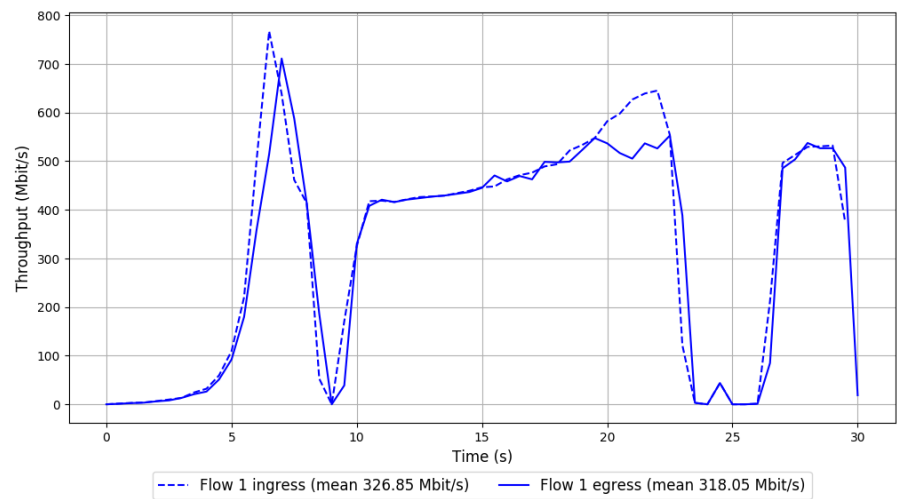
-- Flow 1:

Average throughput: 318.05 Mbit/s

95th percentile per-packet one-way delay: 259.995 ms

Loss rate: 2.69%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-31 05:23:06

End at: 2018-01-31 05:23:36

Below is generated by plot.py at 2018-01-31 07:01:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.72 Mbit/s

95th percentile per-packet one-way delay: 261.000 ms

Loss rate: 4.79%

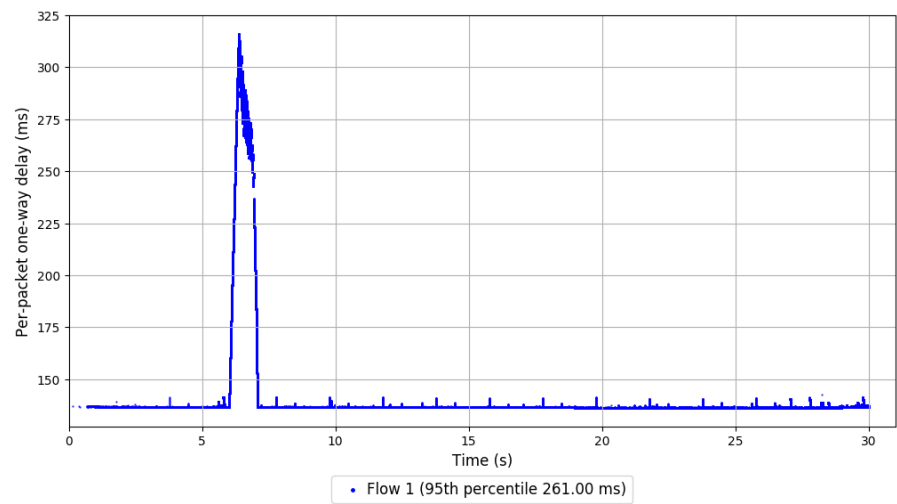
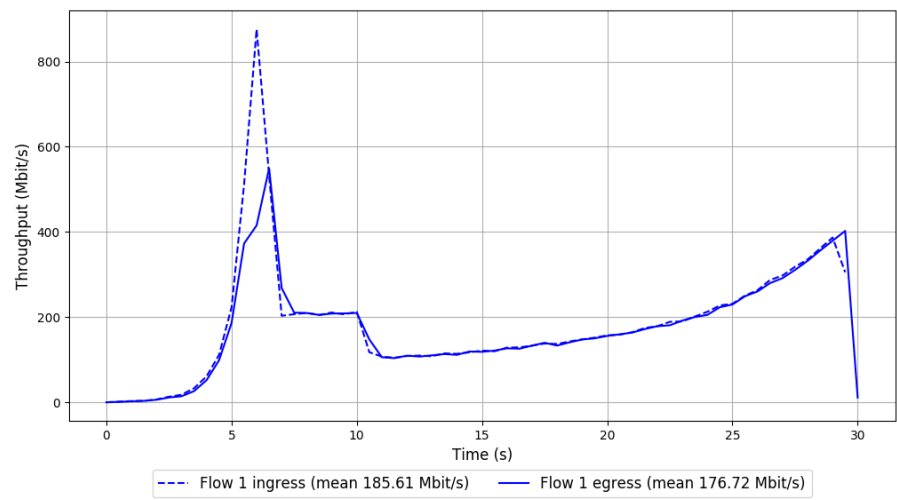
-- Flow 1:

Average throughput: 176.72 Mbit/s

95th percentile per-packet one-way delay: 261.000 ms

Loss rate: 4.79%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-01-31 05:38:00

End at: 2018-01-31 05:38:30

Below is generated by plot.py at 2018-01-31 07:01:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.53 Mbit/s

95th percentile per-packet one-way delay: 251.252 ms

Loss rate: 2.18%

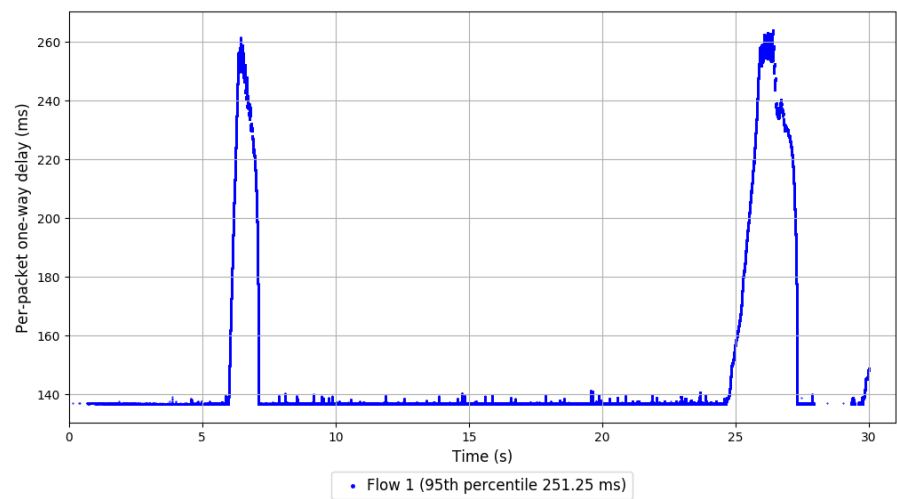
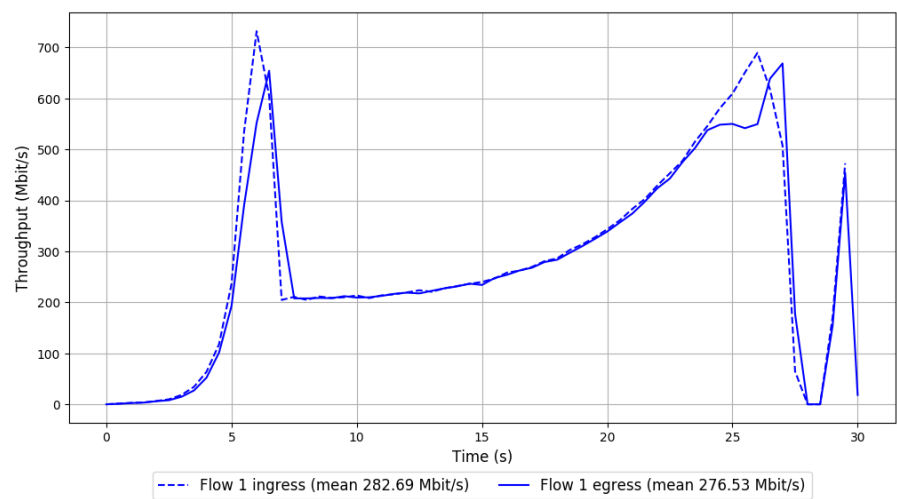
-- Flow 1:

Average throughput: 276.53 Mbit/s

95th percentile per-packet one-way delay: 251.252 ms

Loss rate: 2.18%

Run 10: Report of Vivace-loss — Data Link

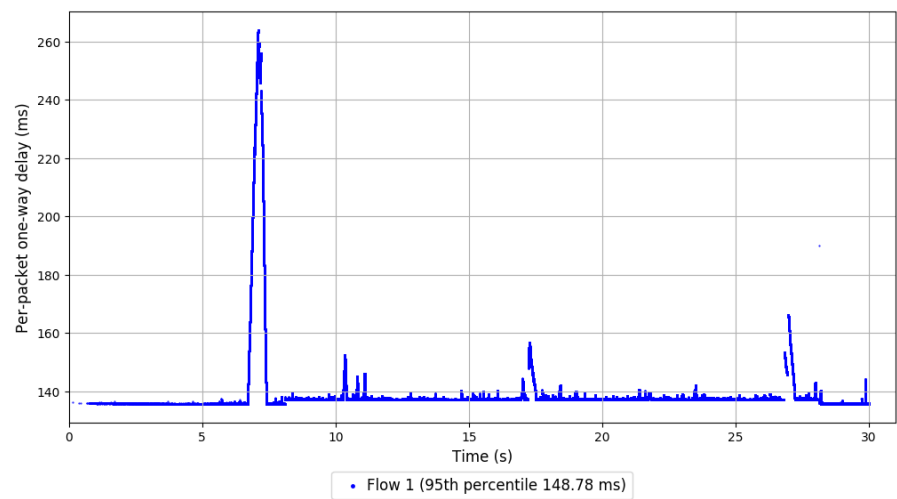
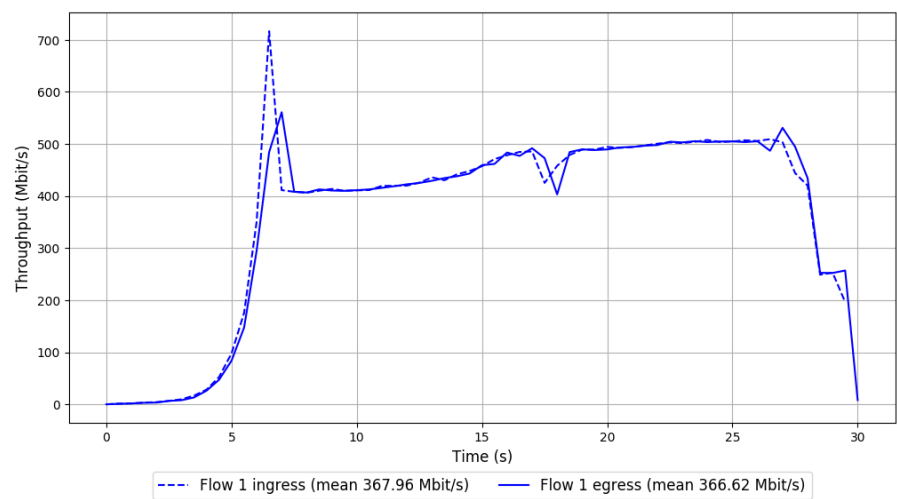


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-01-31 03:18:17
End at: 2018-01-31 03:18:47

# Below is generated by plot.py at 2018-01-31 07:03:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.62 Mbit/s
95th percentile per-packet one-way delay: 148.784 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 366.62 Mbit/s
95th percentile per-packet one-way delay: 148.784 ms
Loss rate: 0.37%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-01-31 03:33:11

End at: 2018-01-31 03:33:41

Below is generated by plot.py at 2018-01-31 07:04:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.76 Mbit/s

95th percentile per-packet one-way delay: 231.785 ms

Loss rate: 1.20%

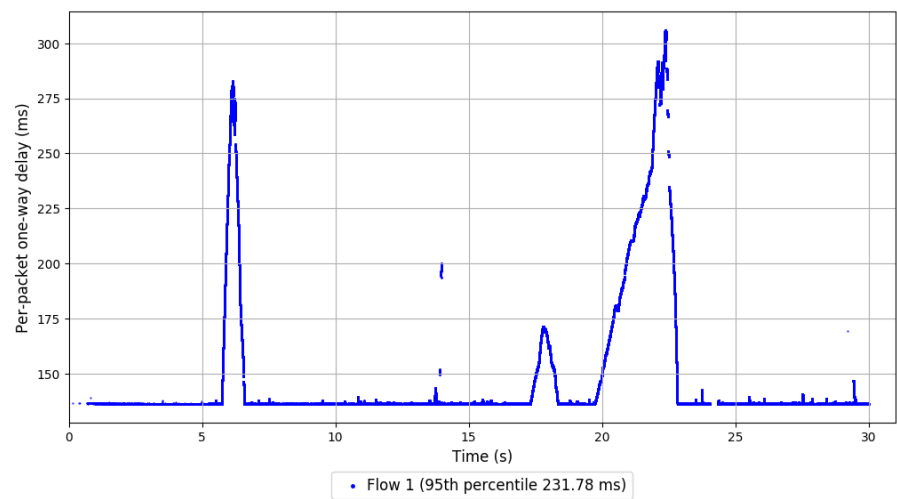
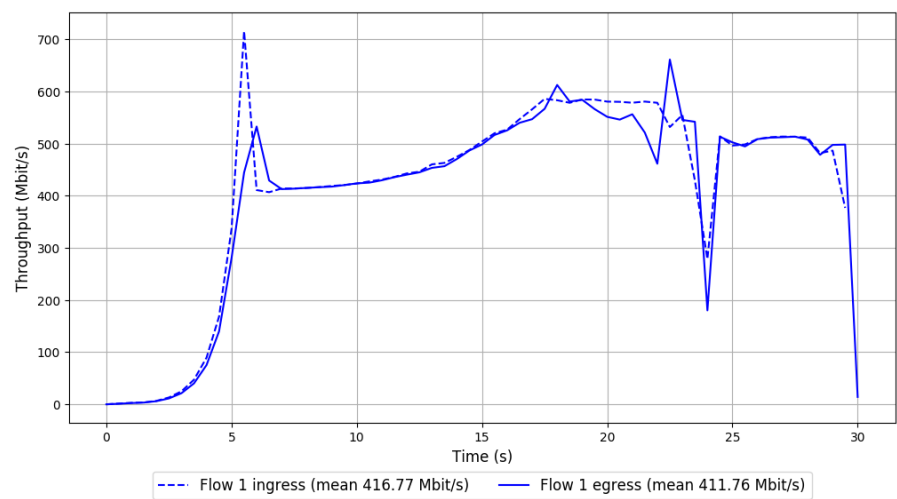
-- Flow 1:

Average throughput: 411.76 Mbit/s

95th percentile per-packet one-way delay: 231.785 ms

Loss rate: 1.20%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-31 03:48:51

End at: 2018-01-31 03:49:22

Below is generated by plot.py at 2018-01-31 07:05:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.03 Mbit/s

95th percentile per-packet one-way delay: 141.436 ms

Loss rate: 0.45%

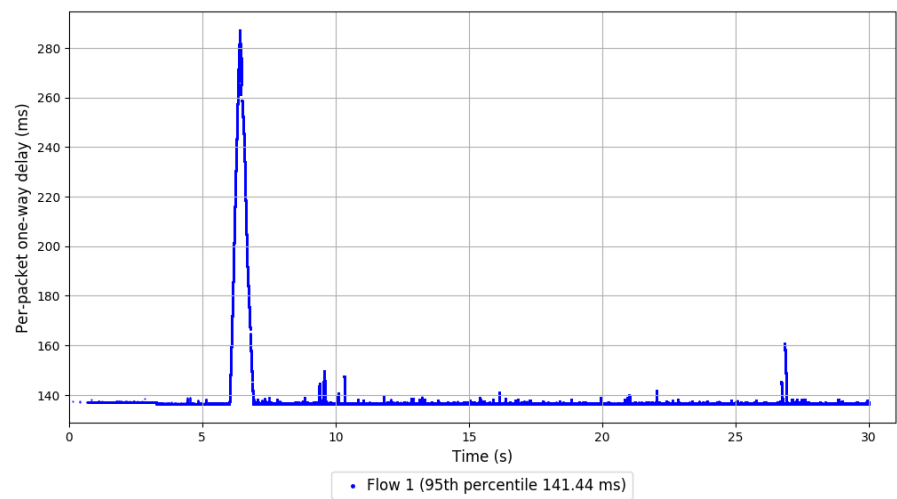
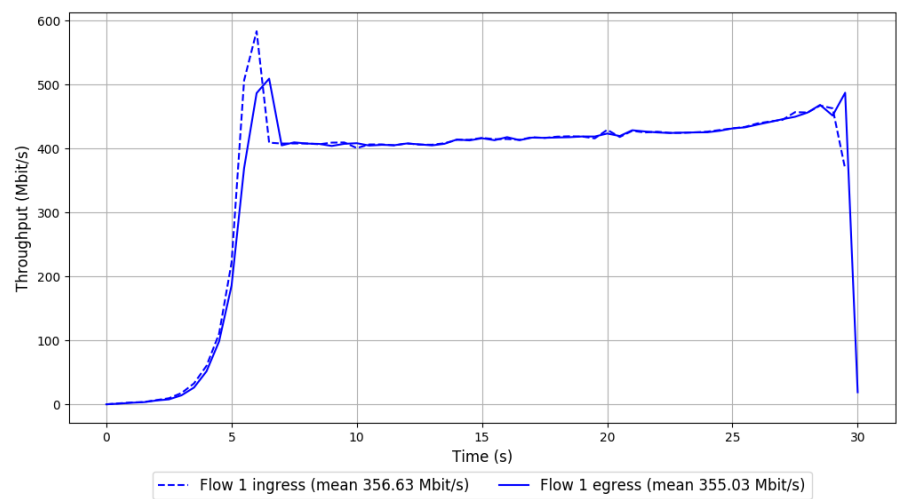
-- Flow 1:

Average throughput: 355.03 Mbit/s

95th percentile per-packet one-way delay: 141.436 ms

Loss rate: 0.45%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-31 04:03:25

End at: 2018-01-31 04:03:55

Below is generated by plot.py at 2018-01-31 07:06:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.69 Mbit/s

95th percentile per-packet one-way delay: 187.397 ms

Loss rate: 0.46%

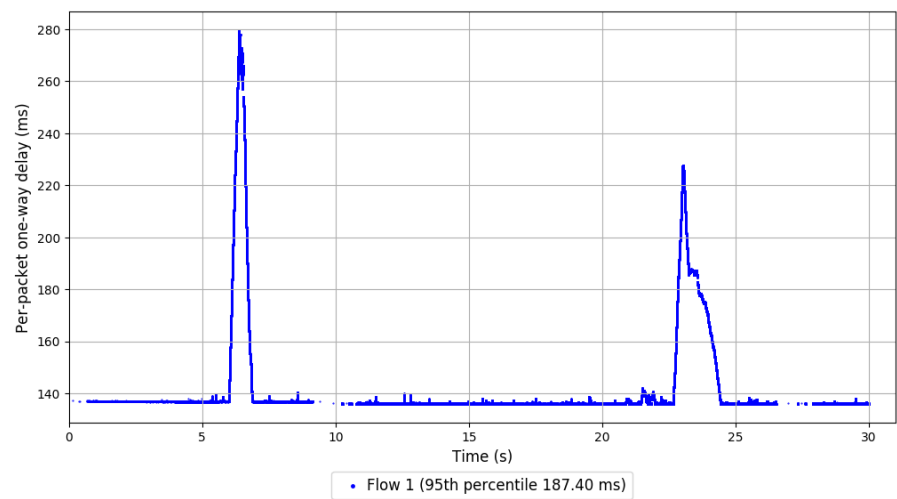
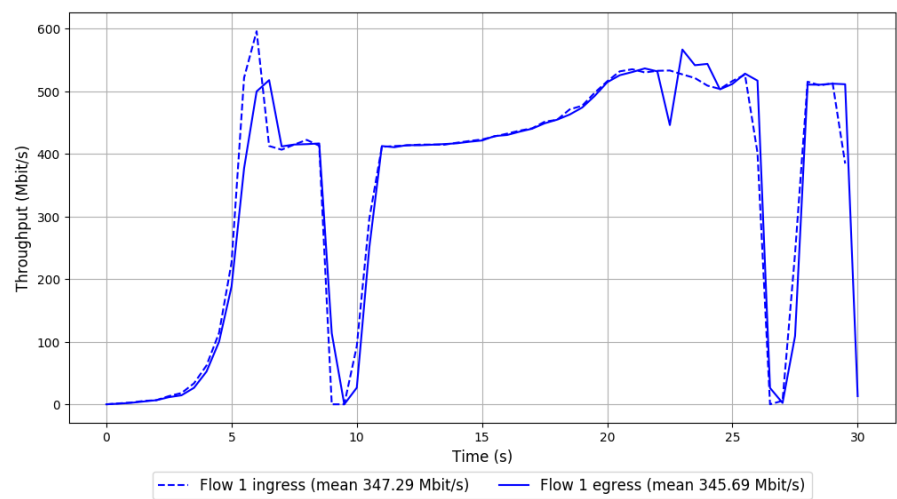
-- Flow 1:

Average throughput: 345.69 Mbit/s

95th percentile per-packet one-way delay: 187.397 ms

Loss rate: 0.46%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-31 04:17:58

End at: 2018-01-31 04:18:28

Below is generated by plot.py at 2018-01-31 07:06:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.73 Mbit/s

95th percentile per-packet one-way delay: 150.826 ms

Loss rate: 0.01%

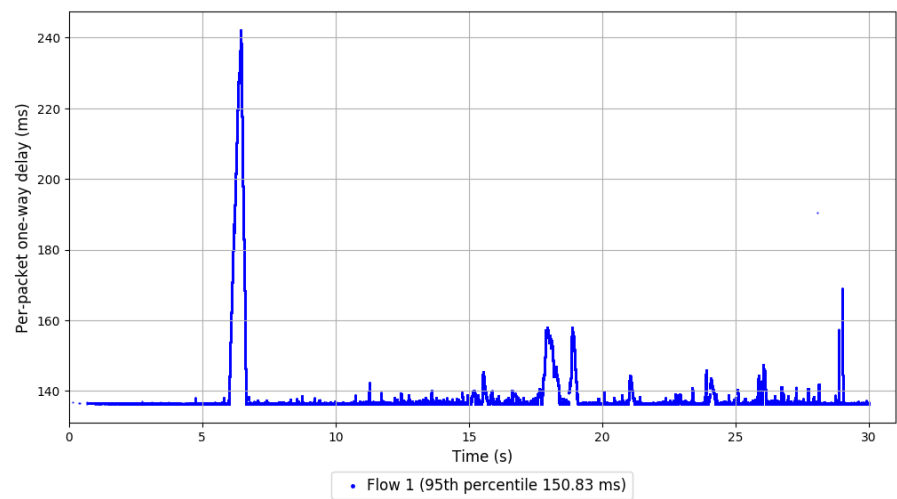
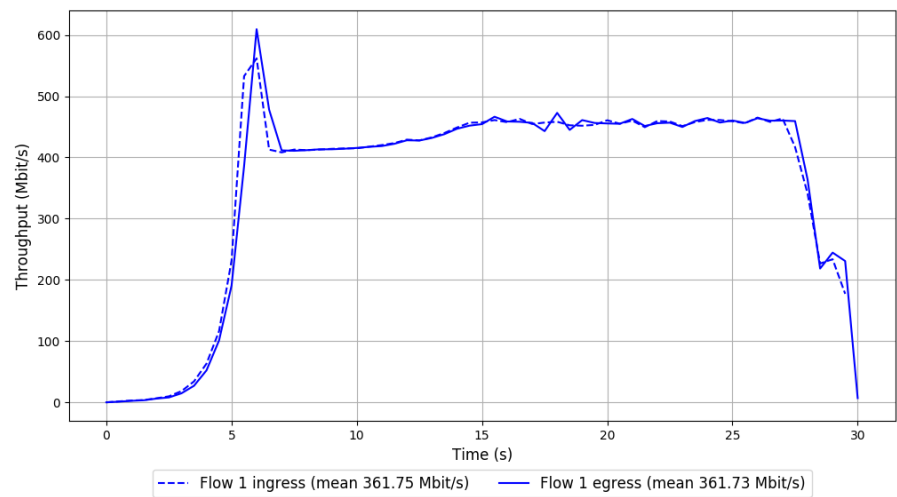
-- Flow 1:

Average throughput: 361.73 Mbit/s

95th percentile per-packet one-way delay: 150.826 ms

Loss rate: 0.01%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-31 04:33:05

End at: 2018-01-31 04:33:35

Below is generated by plot.py at 2018-01-31 07:07:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.01 Mbit/s

95th percentile per-packet one-way delay: 139.293 ms

Loss rate: 0.00%

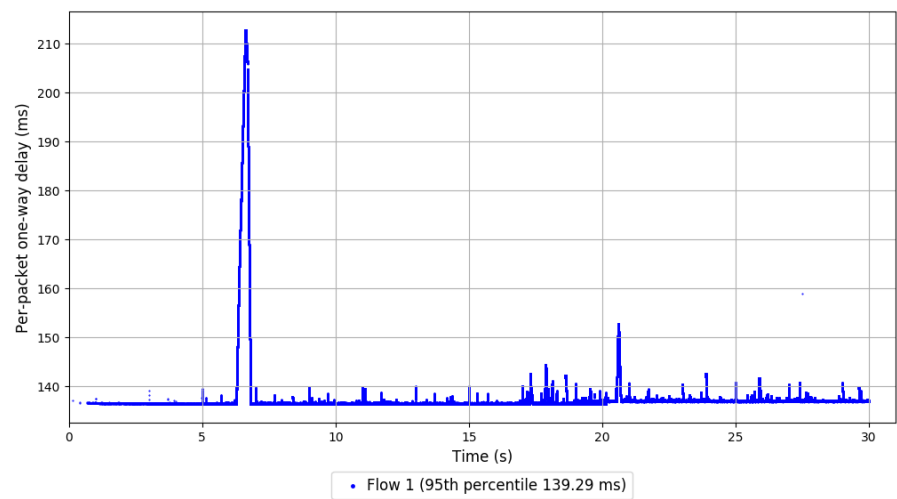
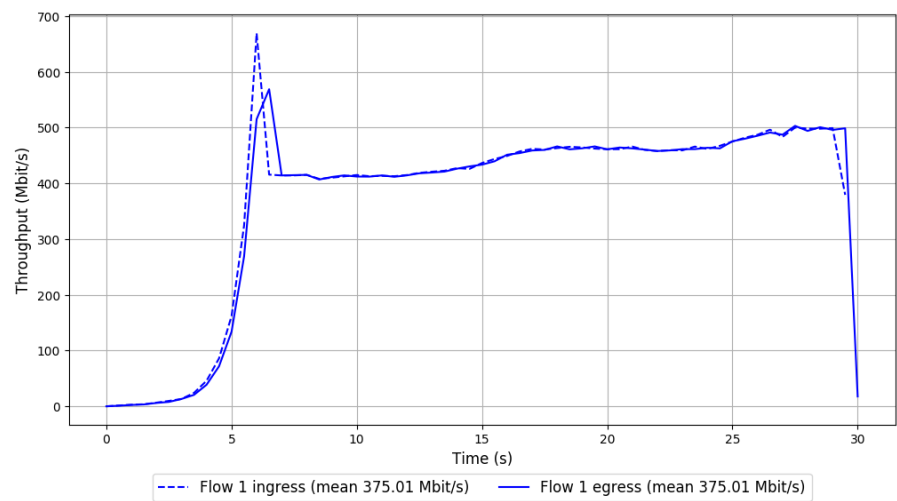
-- Flow 1:

Average throughput: 375.01 Mbit/s

95th percentile per-packet one-way delay: 139.293 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-01-31 04:48:09

End at: 2018-01-31 04:48:39

Below is generated by plot.py at 2018-01-31 07:07:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.18 Mbit/s

95th percentile per-packet one-way delay: 140.673 ms

Loss rate: 0.08%

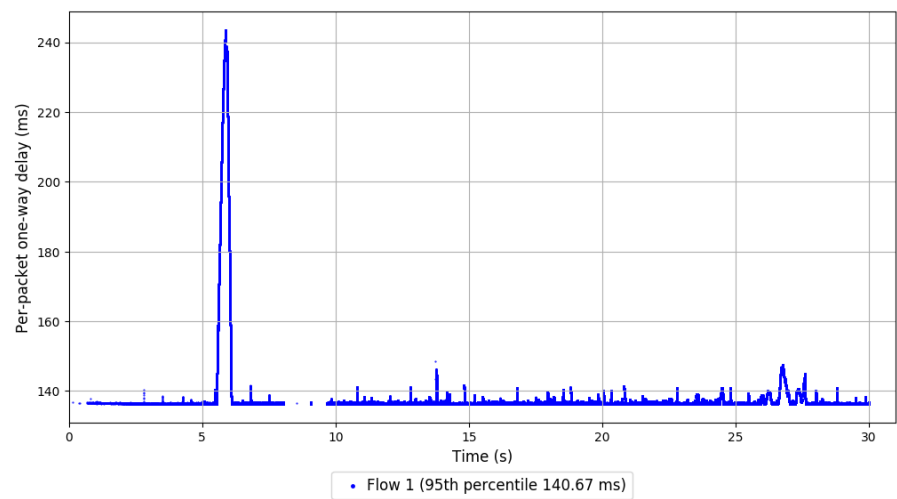
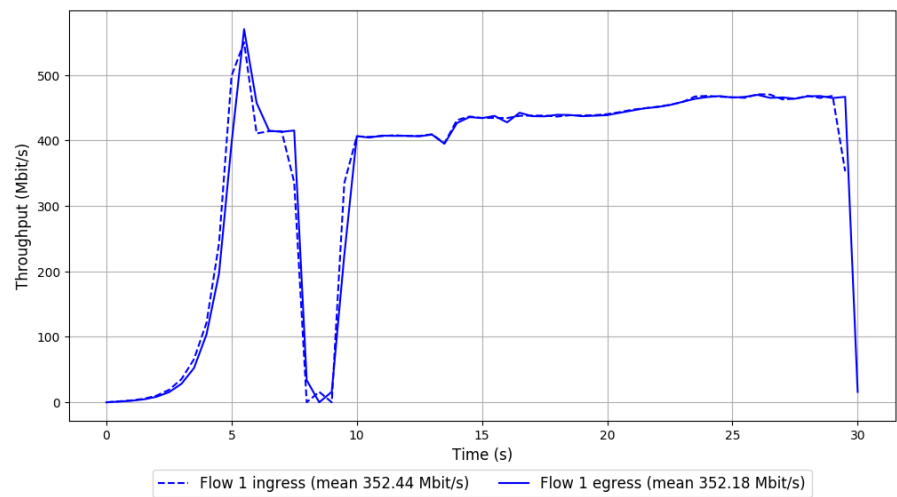
-- Flow 1:

Average throughput: 352.18 Mbit/s

95th percentile per-packet one-way delay: 140.673 ms

Loss rate: 0.08%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-31 05:02:45

End at: 2018-01-31 05:03:15

Below is generated by plot.py at 2018-01-31 07:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 372.86 Mbit/s

95th percentile per-packet one-way delay: 161.788 ms

Loss rate: 0.57%

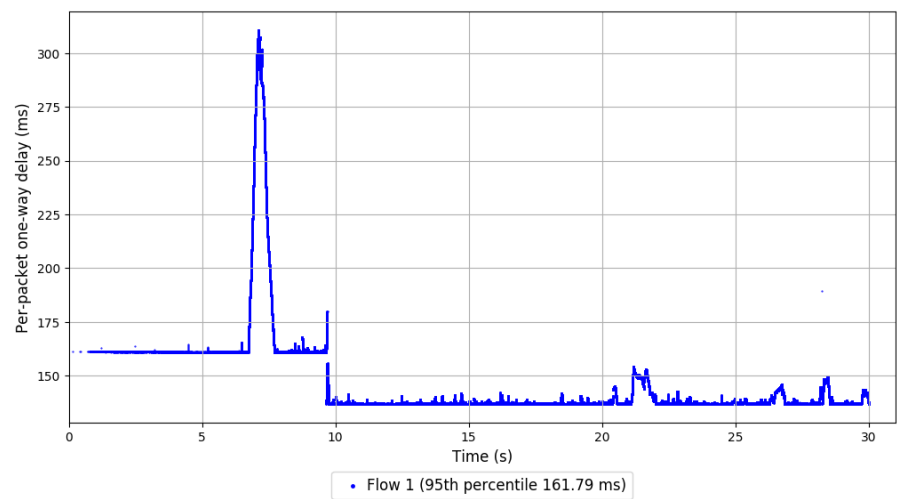
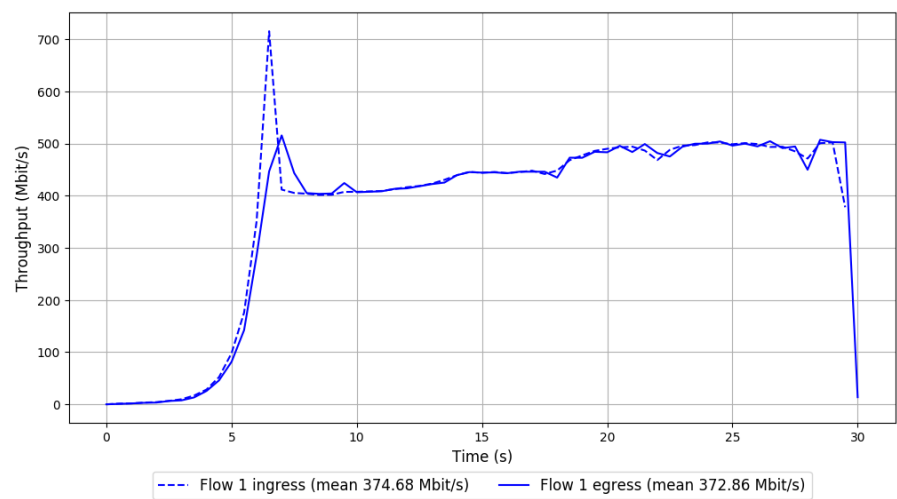
-- Flow 1:

Average throughput: 372.86 Mbit/s

95th percentile per-packet one-way delay: 161.788 ms

Loss rate: 0.57%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-31 05:17:37

End at: 2018-01-31 05:18:07

Below is generated by plot.py at 2018-01-31 07:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 309.51 Mbit/s

95th percentile per-packet one-way delay: 258.500 ms

Loss rate: 1.11%

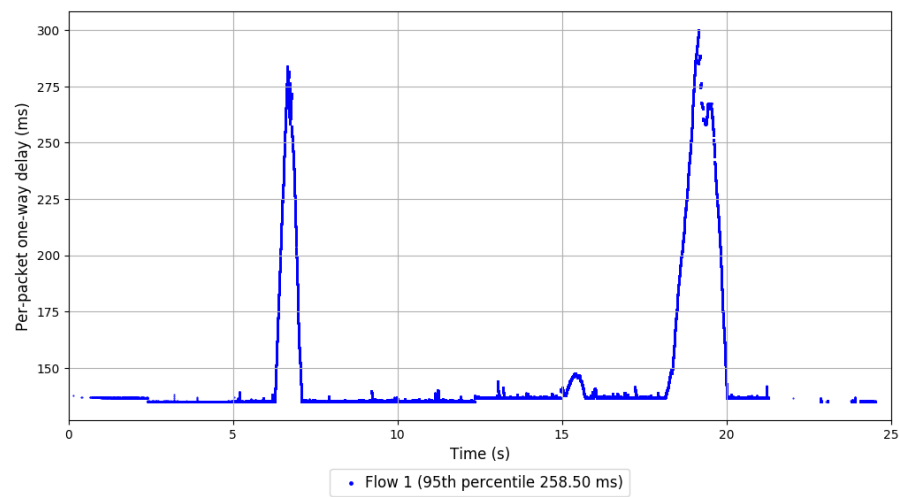
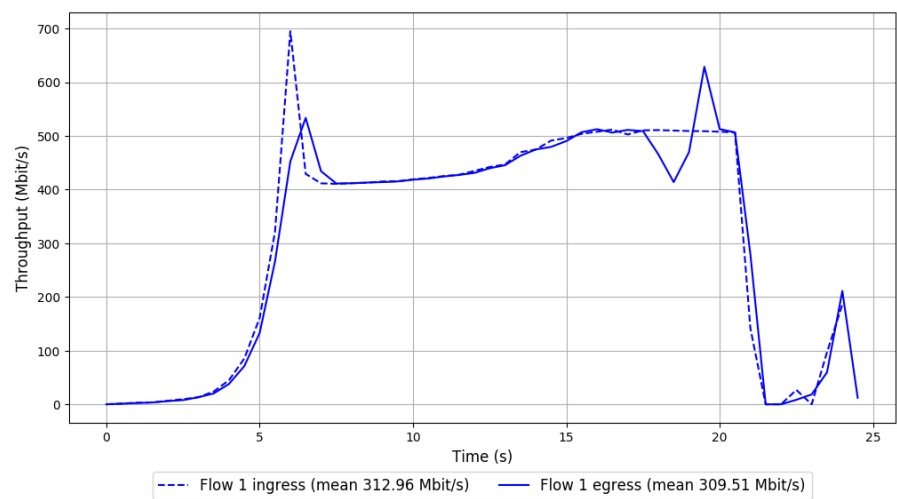
-- Flow 1:

Average throughput: 309.51 Mbit/s

95th percentile per-packet one-way delay: 258.500 ms

Loss rate: 1.11%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-01-31 05:32:19
End at: 2018-01-31 05:32:49

# Below is generated by plot.py at 2018-01-31 07:07:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.63 Mbit/s
95th percentile per-packet one-way delay: 161.055 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 370.63 Mbit/s
95th percentile per-packet one-way delay: 161.055 ms
Loss rate: 0.08%
```

Run 10: Report of Vivace-LTE — Data Link

