

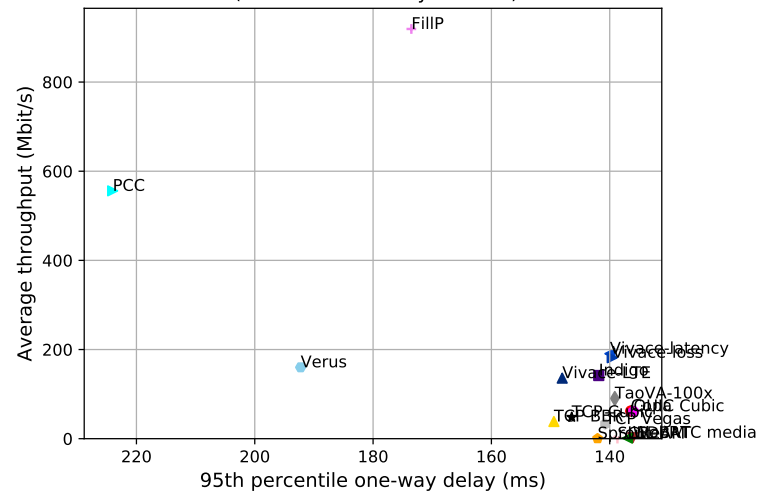
Pantheon Report

Generated at 2018-01-17 06:04:59 (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**).

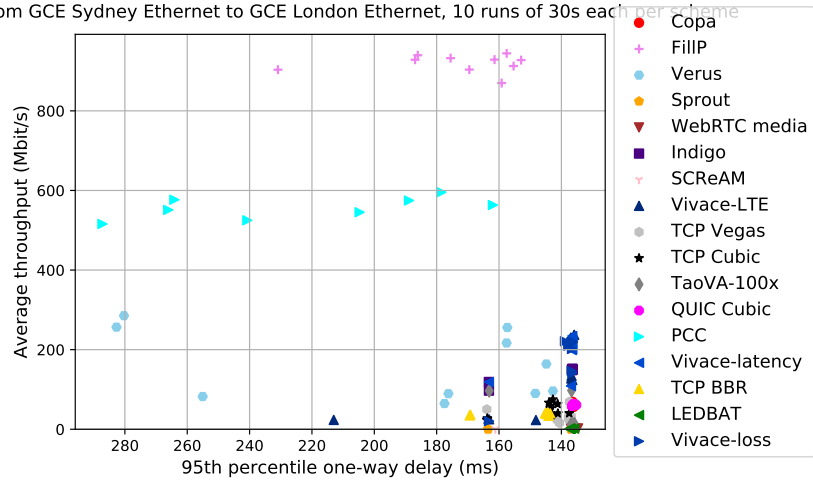
Git summary:

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

test from GCE 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	38.58	149.44	0.30
TCP Cubic	10	48.27	146.43	0.18
LEDBAT	7	1.26	137.01	0.00
PCC	8	555.95	224.01	2.19
QUIC Cubic	10	61.54	135.99	0.00
SCReAM	10	0.21	138.70	0.01
WebRTC media	10	2.11	136.11	0.00
Sprout	10	0.39	142.06	0.00
TaoVA-100x	10	90.22	139.14	0.01
TCP Vegas	10	32.90	140.76	0.12
Verus	10	160.09	192.25	0.39
Copa	9	62.08	136.44	0.00
FillP	10	919.10	173.53	0.23
Indigo	10	141.71	141.86	0.05
Vivace-latency	8	190.75	139.98	0.00
Vivace-loss	10	181.60	139.58	0.00
Vivace-LTE	10	135.90	148.03	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-01-17 01:05:09

End at: 2018-01-17 01:05:39

Below is generated by plot.py at 2018-01-17 04:56:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 143.590 ms

Loss rate: 0.23%

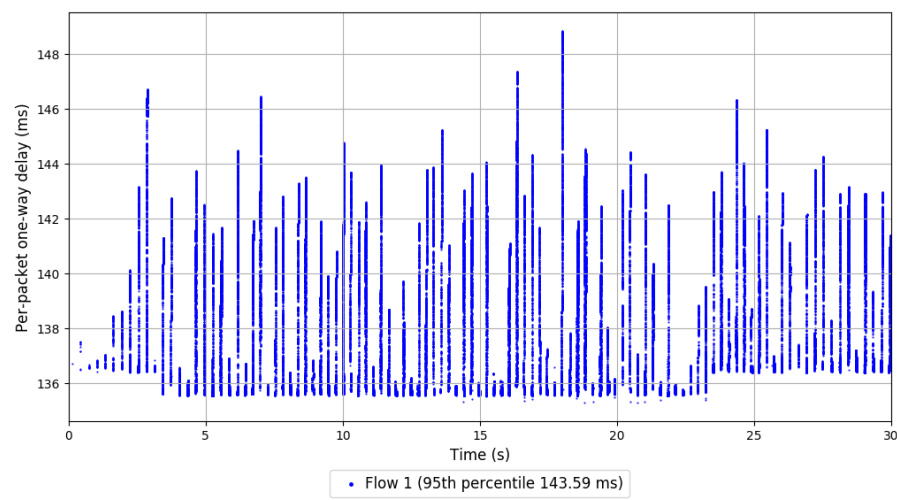
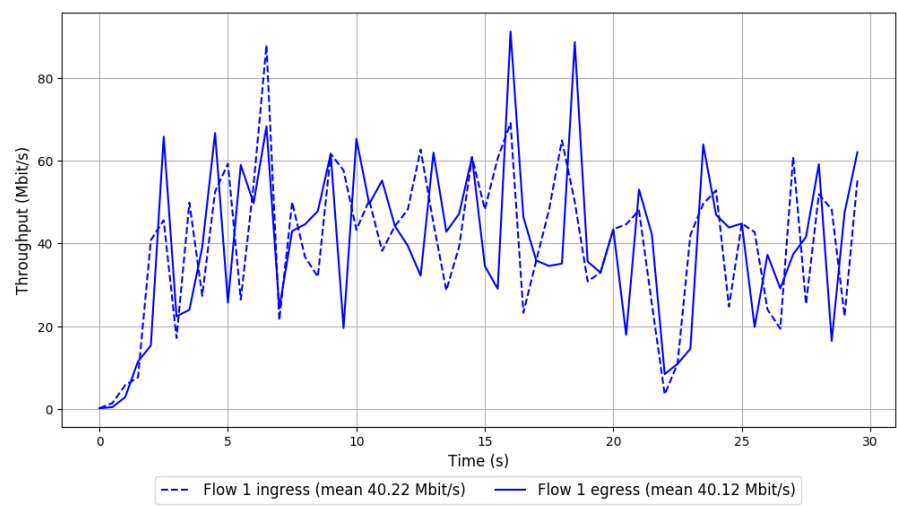
-- Flow 1:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 143.590 ms

Loss rate: 0.23%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

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

End at: 2018-01-17 01:21:51

Below is generated by plot.py at 2018-01-17 04:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.49 Mbit/s

95th percentile per-packet one-way delay: 144.329 ms

Loss rate: 0.00%

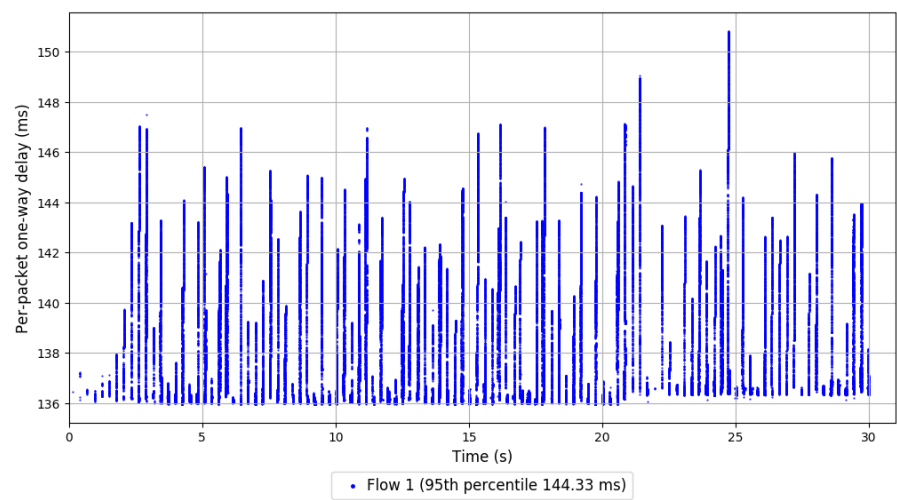
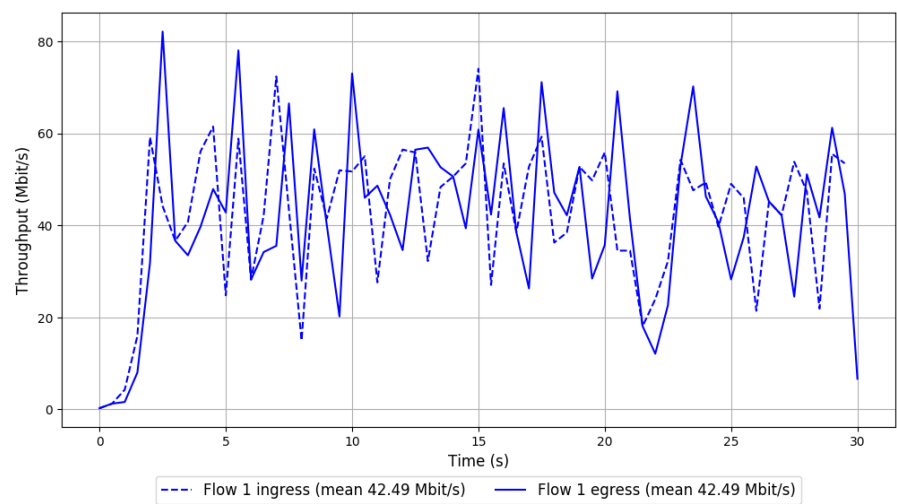
-- Flow 1:

Average throughput: 42.49 Mbit/s

95th percentile per-packet one-way delay: 144.329 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-17 01:36:43

End at: 2018-01-17 01:37:13

Below is generated by plot.py at 2018-01-17 04:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.39 Mbit/s

95th percentile per-packet one-way delay: 169.187 ms

Loss rate: 0.88%

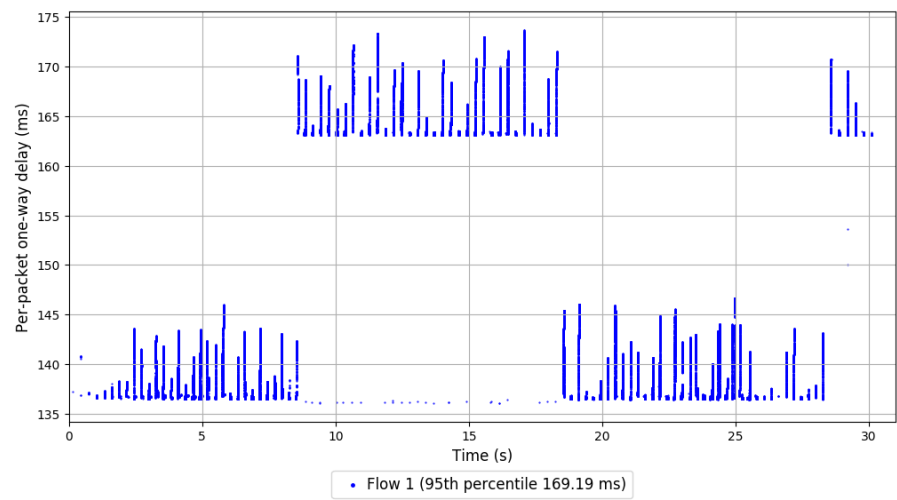
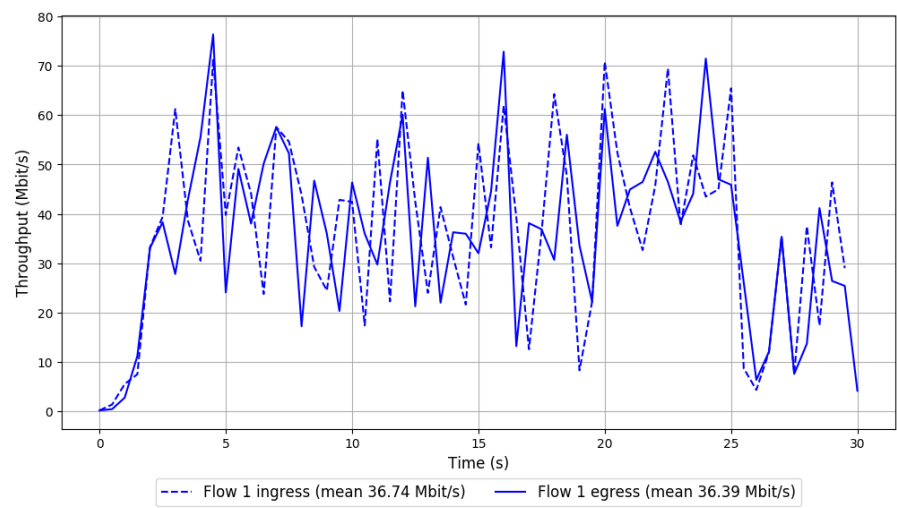
-- Flow 1:

Average throughput: 36.39 Mbit/s

95th percentile per-packet one-way delay: 169.187 ms

Loss rate: 0.88%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-17 01:51:36

End at: 2018-01-17 01:52:06

Below is generated by plot.py at 2018-01-17 04:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.74 Mbit/s

95th percentile per-packet one-way delay: 169.401 ms

Loss rate: 0.00%

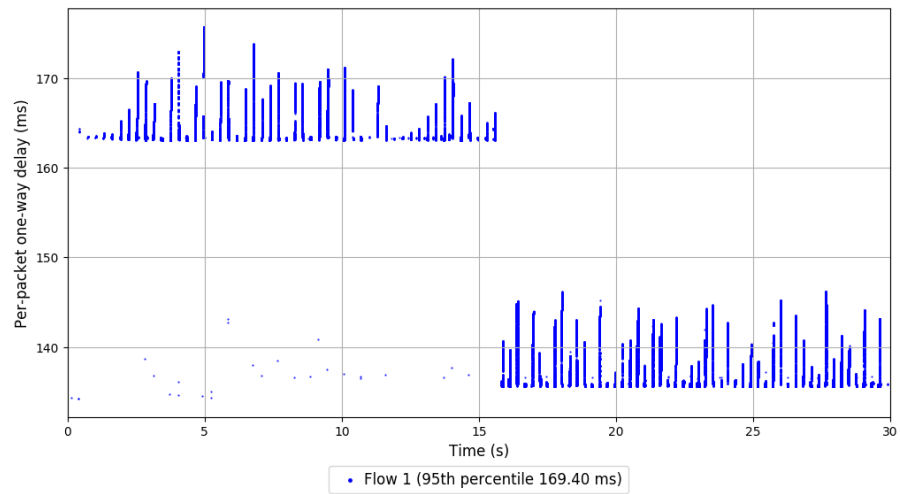
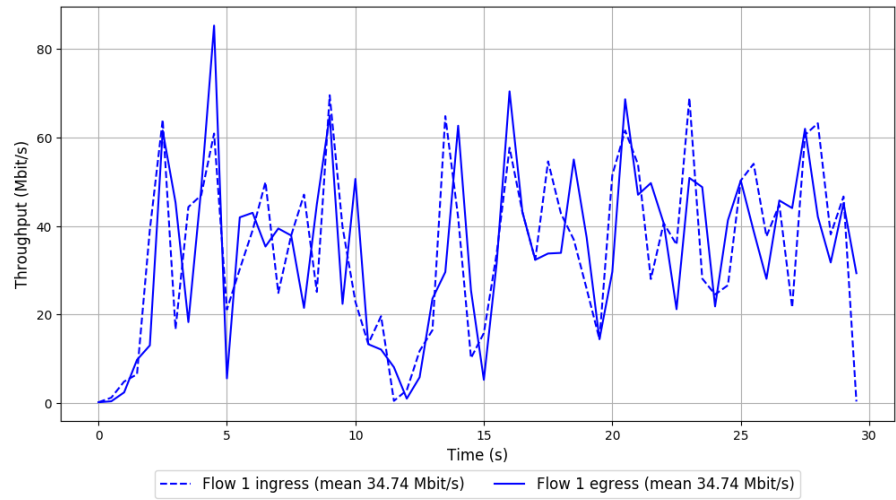
-- Flow 1:

Average throughput: 34.74 Mbit/s

95th percentile per-packet one-way delay: 169.401 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-17 02:07:28

End at: 2018-01-17 02:07:58

Below is generated by plot.py at 2018-01-17 04:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.80 Mbit/s

95th percentile per-packet one-way delay: 144.441 ms

Loss rate: 0.95%

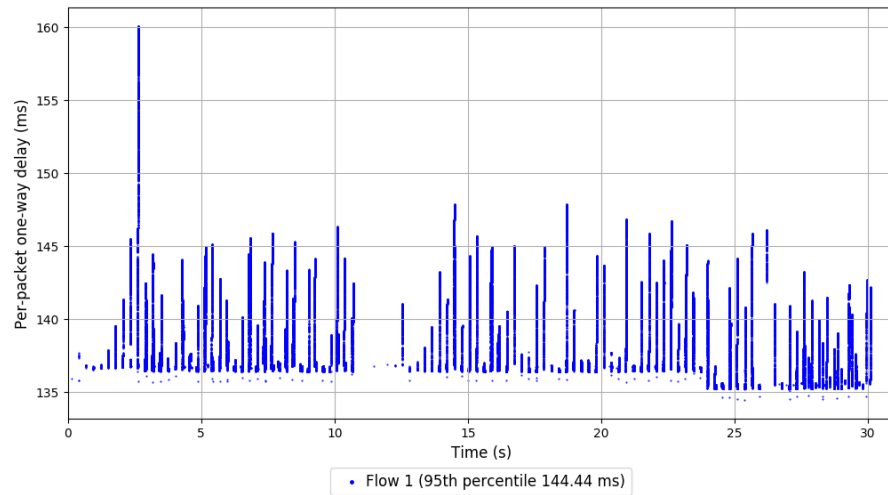
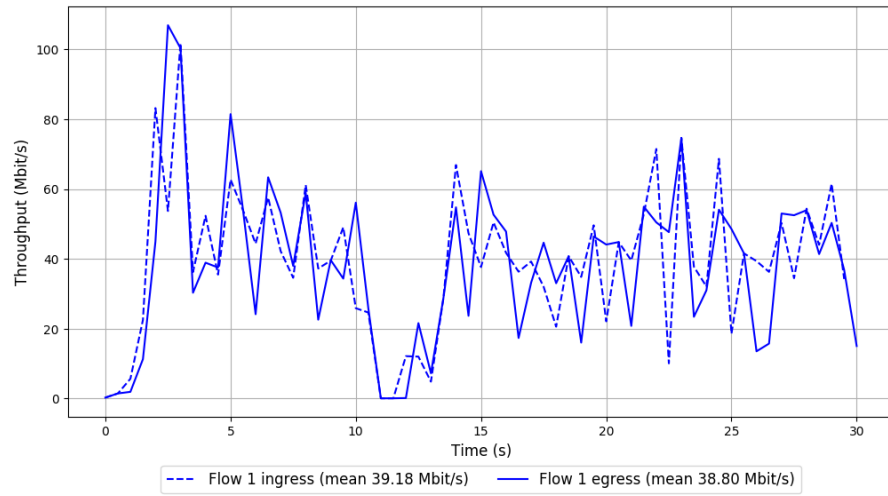
-- Flow 1:

Average throughput: 38.80 Mbit/s

95th percentile per-packet one-way delay: 144.441 ms

Loss rate: 0.95%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-17 02:23:22

End at: 2018-01-17 02:23:52

Below is generated by plot.py at 2018-01-17 04:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 144.156 ms

Loss rate: 0.51%

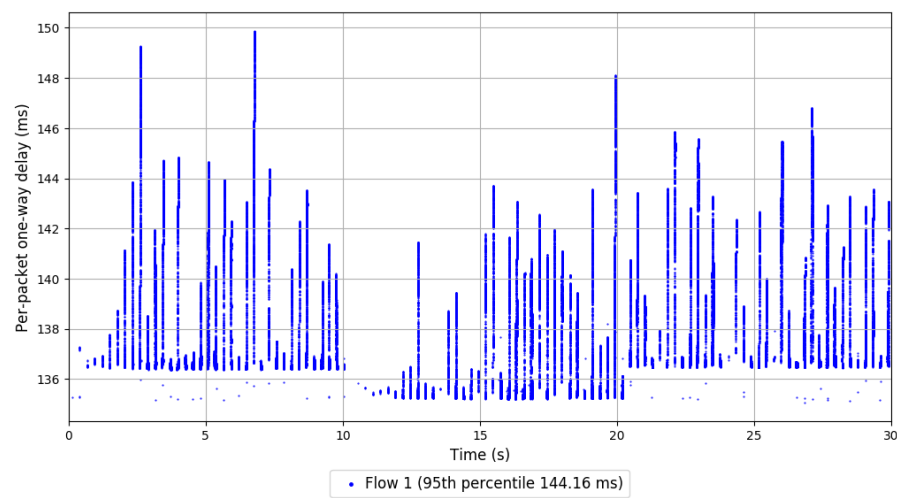
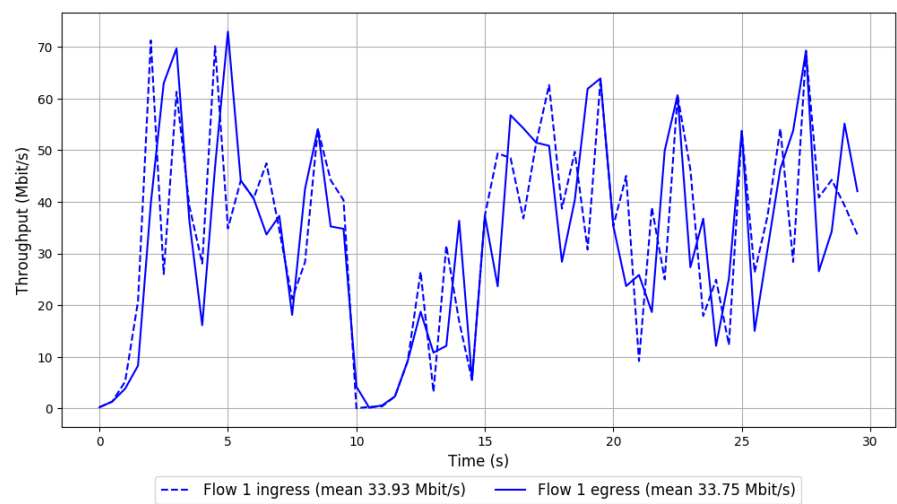
-- Flow 1:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 144.156 ms

Loss rate: 0.51%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-17 02:39:14

End at: 2018-01-17 02:39:44

Below is generated by plot.py at 2018-01-17 04:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.89 Mbit/s

95th percentile per-packet one-way delay: 145.132 ms

Loss rate: 0.00%

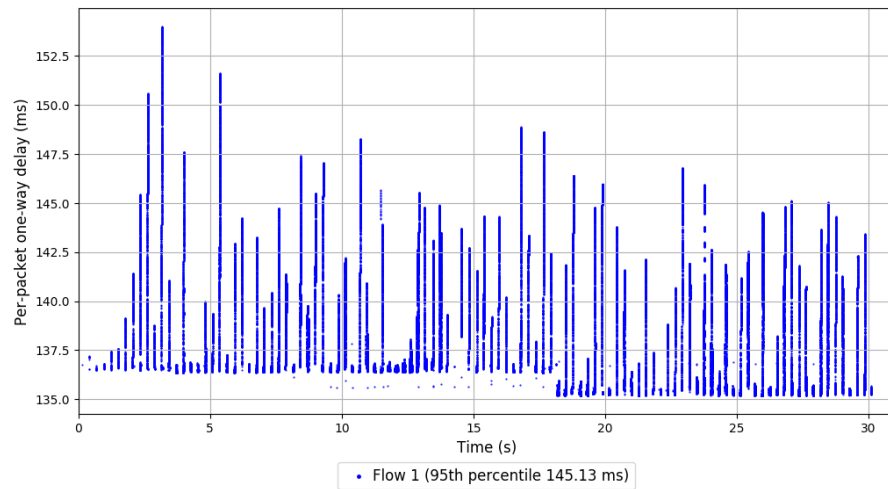
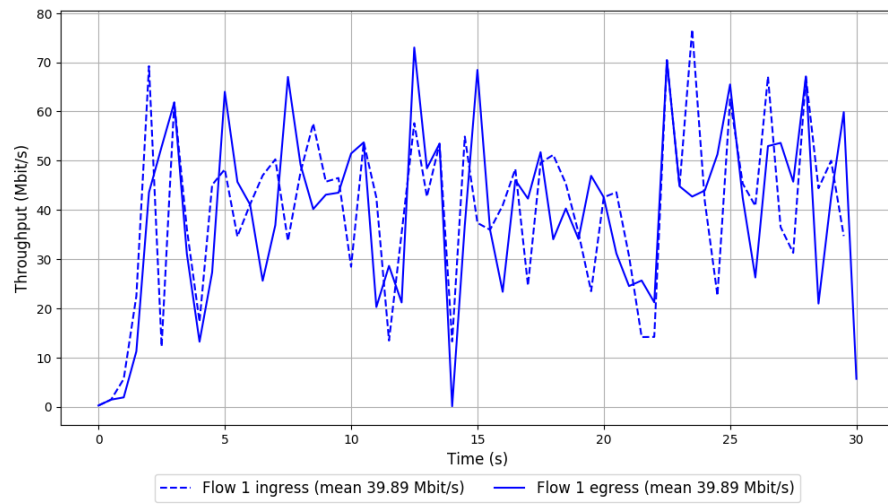
-- Flow 1:

Average throughput: 39.89 Mbit/s

95th percentile per-packet one-way delay: 145.132 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-17 02:55:25

End at: 2018-01-17 02:55:55

Below is generated by plot.py at 2018-01-17 04:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.70 Mbit/s

95th percentile per-packet one-way delay: 144.637 ms

Loss rate: 0.00%

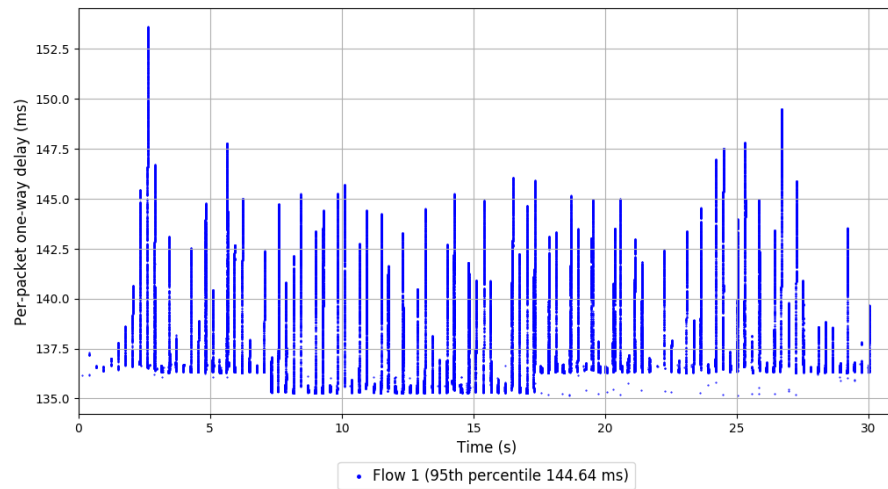
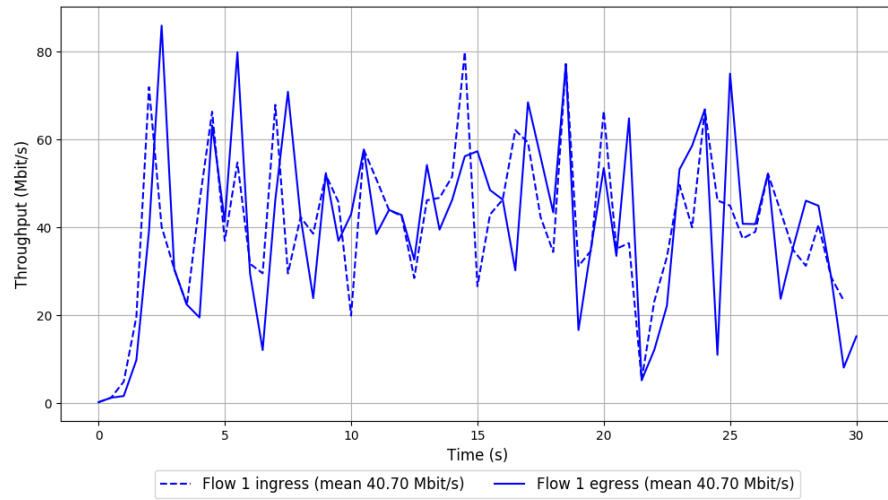
-- Flow 1:

Average throughput: 40.70 Mbit/s

95th percentile per-packet one-way delay: 144.637 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-17 03:11:29

End at: 2018-01-17 03:11:59

Below is generated by plot.py at 2018-01-17 04:56:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.18 Mbit/s

95th percentile per-packet one-way delay: 144.296 ms

Loss rate: 0.00%

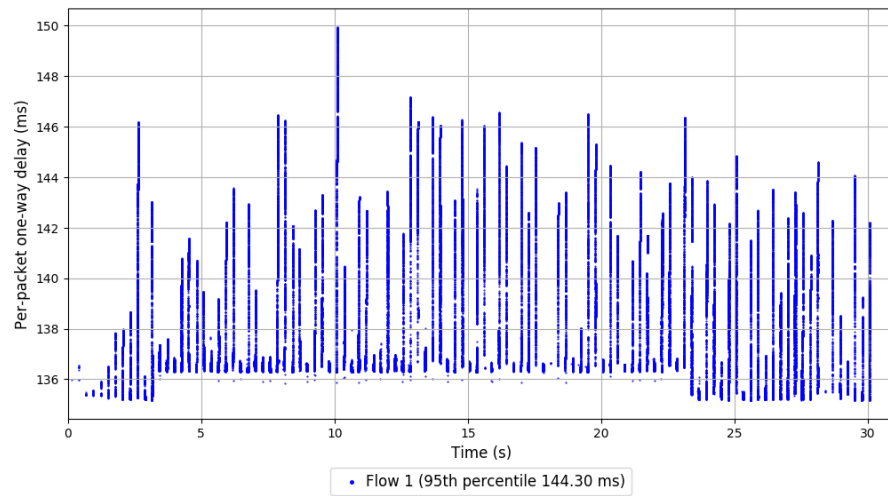
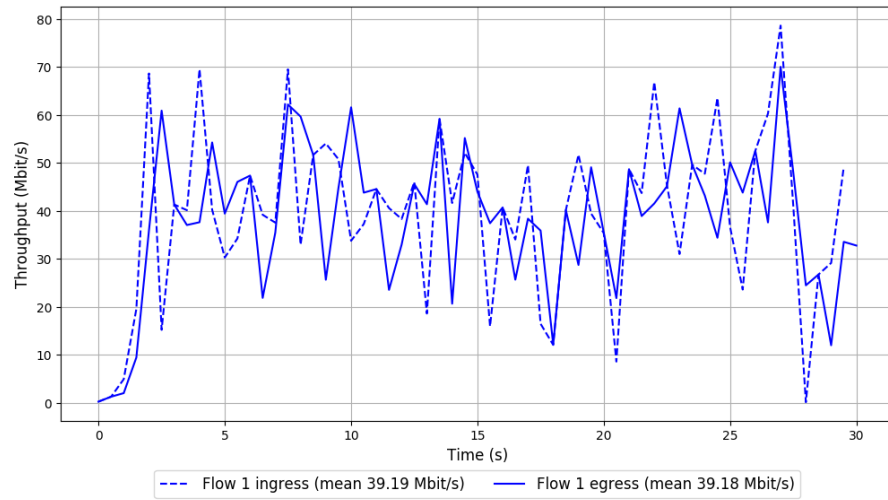
-- Flow 1:

Average throughput: 39.18 Mbit/s

95th percentile per-packet one-way delay: 144.296 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-17 03:27:47

End at: 2018-01-17 03:28:17

Below is generated by plot.py at 2018-01-17 04:56:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 145.196 ms

Loss rate: 0.46%

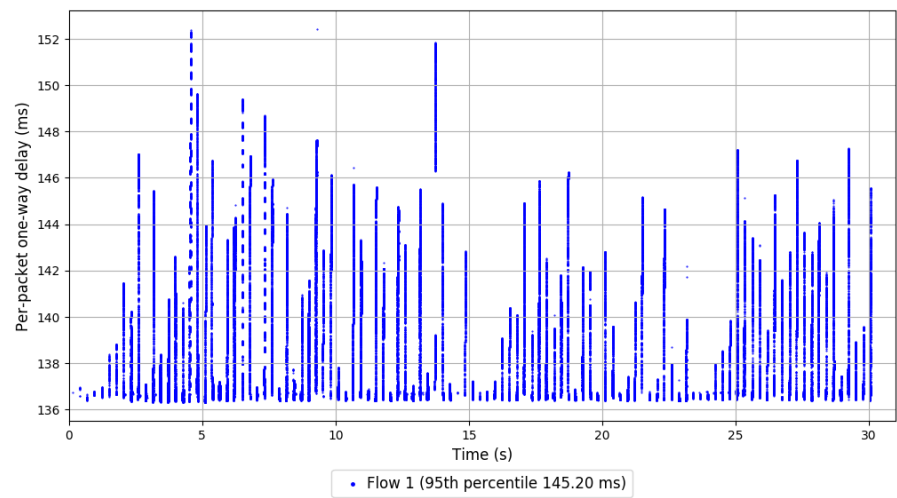
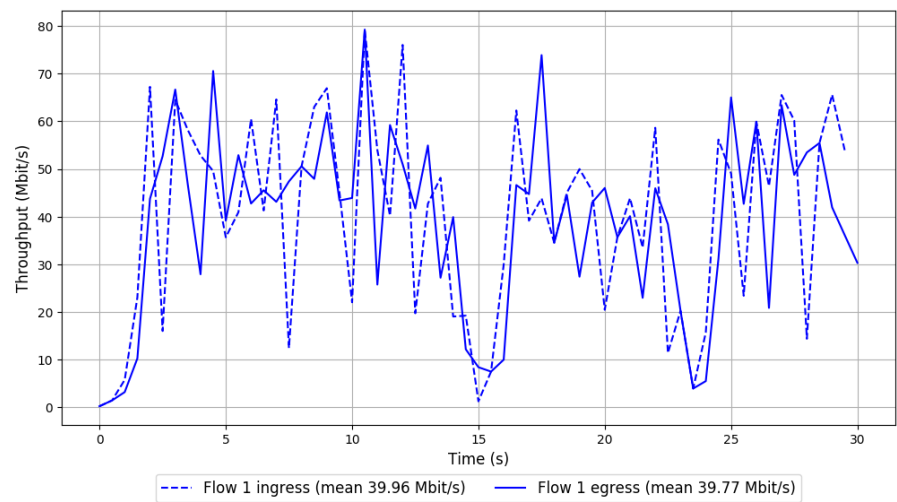
-- Flow 1:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 145.196 ms

Loss rate: 0.46%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-17 01:02:41

End at: 2018-01-17 01:03:11

Below is generated by plot.py at 2018-01-17 04:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.32 Mbit/s

95th percentile per-packet one-way delay: 141.205 ms

Loss rate: 0.00%

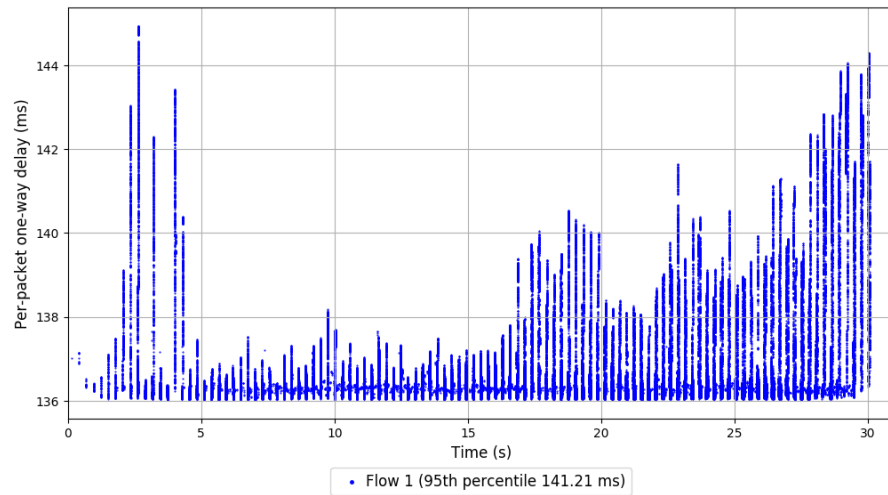
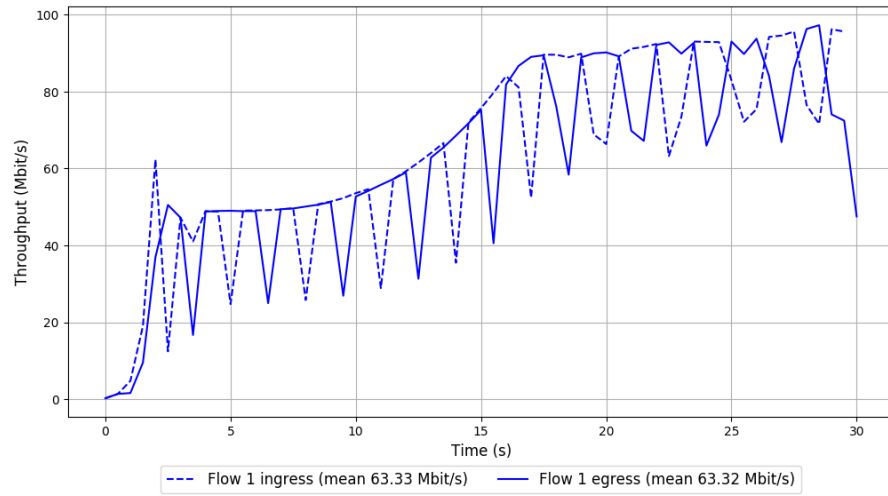
-- Flow 1:

Average throughput: 63.32 Mbit/s

95th percentile per-packet one-way delay: 141.205 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-17 01:18:55

End at: 2018-01-17 01:19:25

Below is generated by plot.py at 2018-01-17 04:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.80 Mbit/s

95th percentile per-packet one-way delay: 141.130 ms

Loss rate: 0.23%

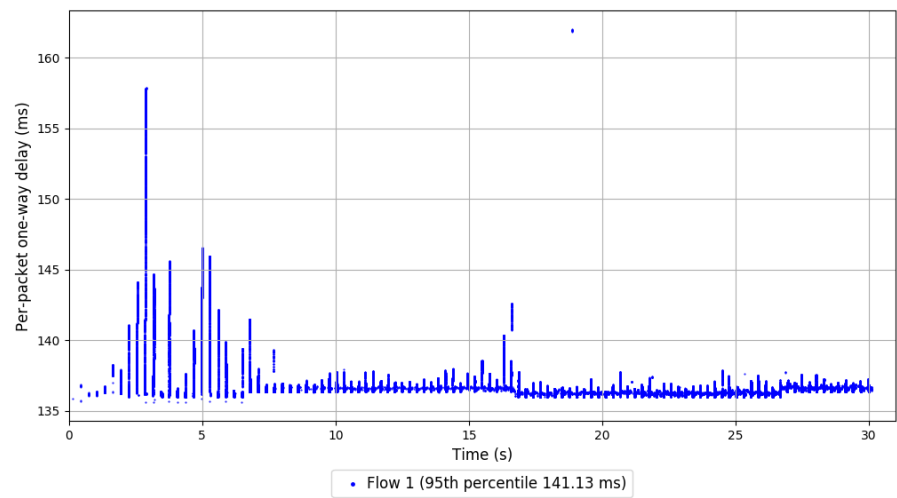
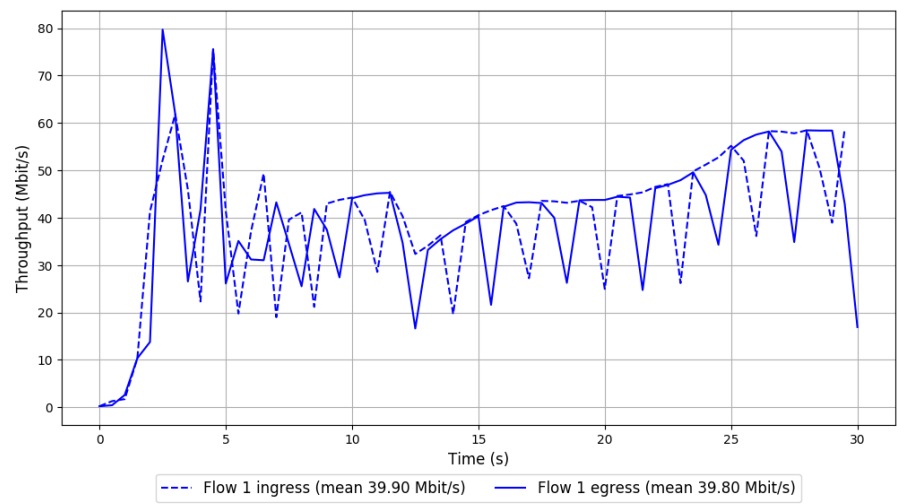
-- Flow 1:

Average throughput: 39.80 Mbit/s

95th percentile per-packet one-way delay: 141.130 ms

Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-17 01:34:21

End at: 2018-01-17 01:34:51

Below is generated by plot.py at 2018-01-17 04:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.59 Mbit/s

95th percentile per-packet one-way delay: 163.910 ms

Loss rate: 0.79%

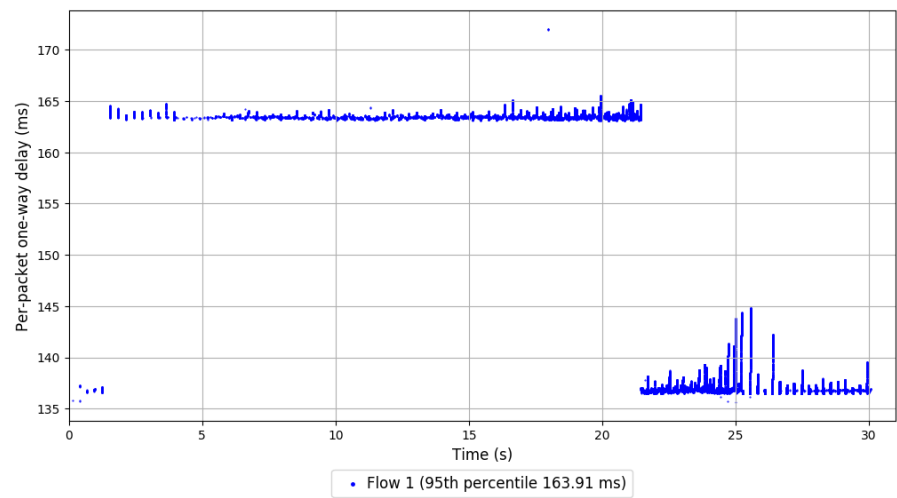
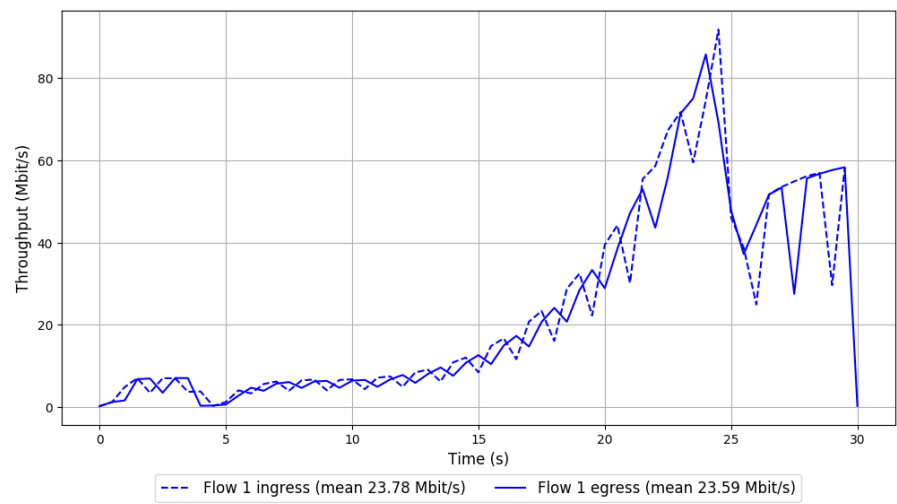
-- Flow 1:

Average throughput: 23.59 Mbit/s

95th percentile per-packet one-way delay: 163.910 ms

Loss rate: 0.79%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-17 01:49:13

End at: 2018-01-17 01:49:43

Below is generated by plot.py at 2018-01-17 04:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.23 Mbit/s

95th percentile per-packet one-way delay: 163.732 ms

Loss rate: 0.00%

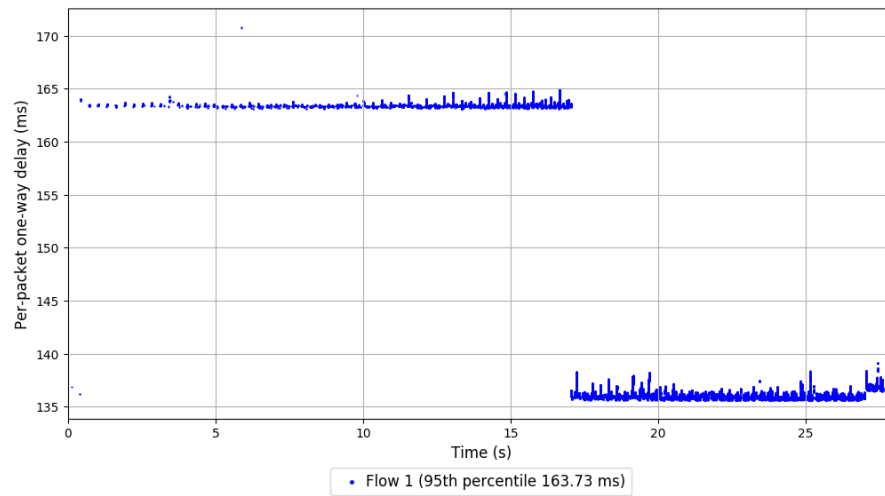
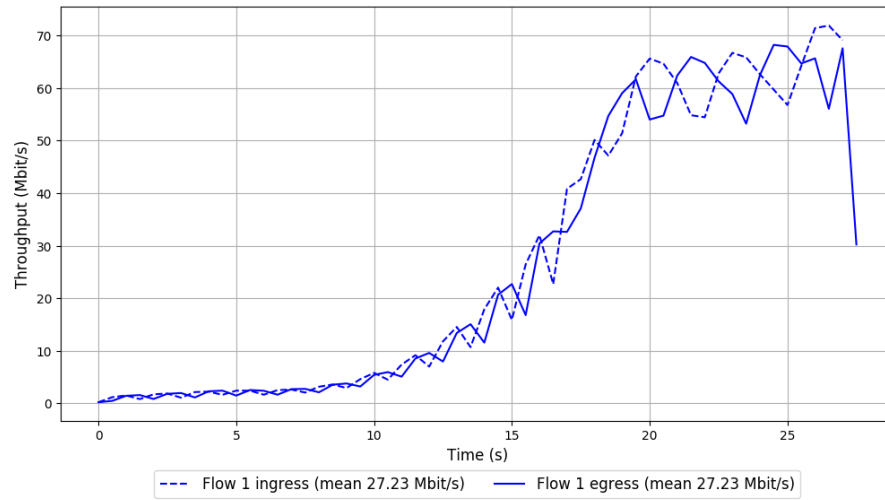
-- Flow 1:

Average throughput: 27.23 Mbit/s

95th percentile per-packet one-way delay: 163.732 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-17 02:05:03

End at: 2018-01-17 02:05:33

Below is generated by plot.py at 2018-01-17 04:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.98 Mbit/s

95th percentile per-packet one-way delay: 143.458 ms

Loss rate: 0.00%

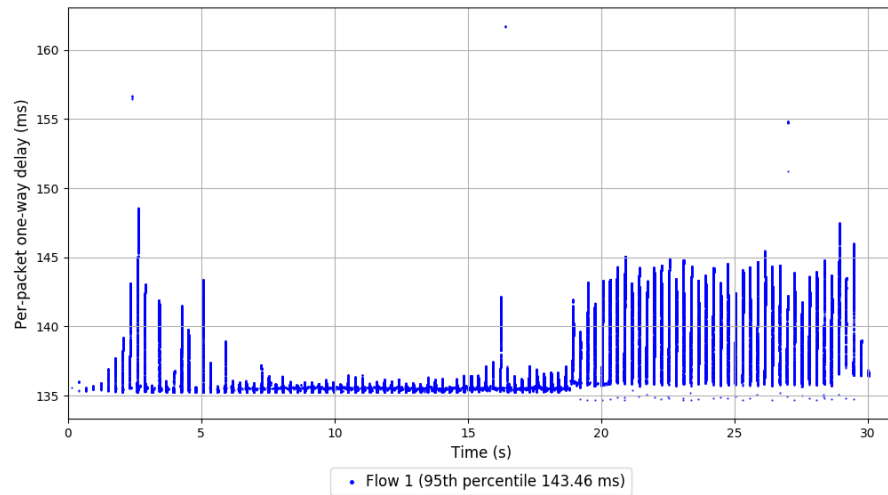
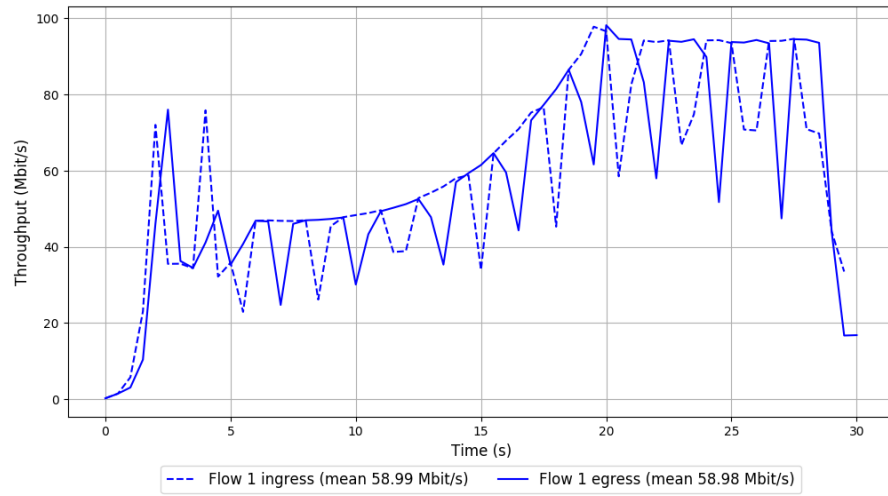
-- Flow 1:

Average throughput: 58.98 Mbit/s

95th percentile per-packet one-way delay: 143.458 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-17 02:20:57

End at: 2018-01-17 02:21:27

Below is generated by plot.py at 2018-01-17 04:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.49 Mbit/s

95th percentile per-packet one-way delay: 143.575 ms

Loss rate: 0.00%

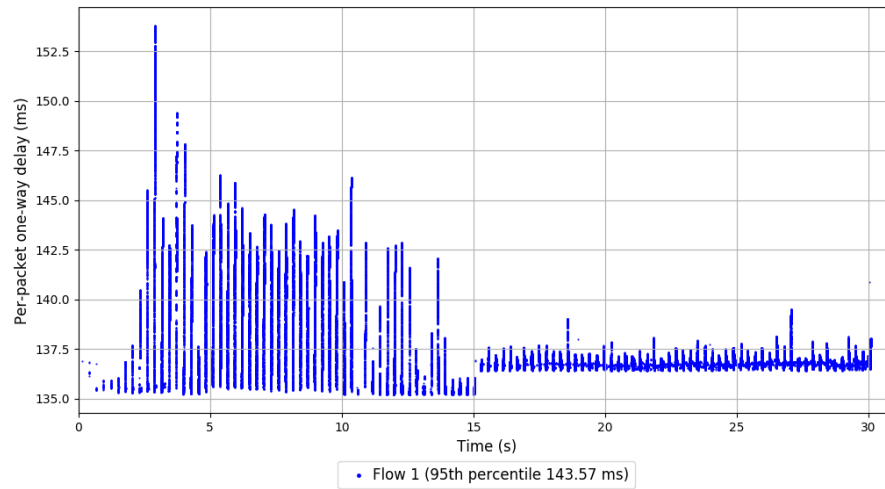
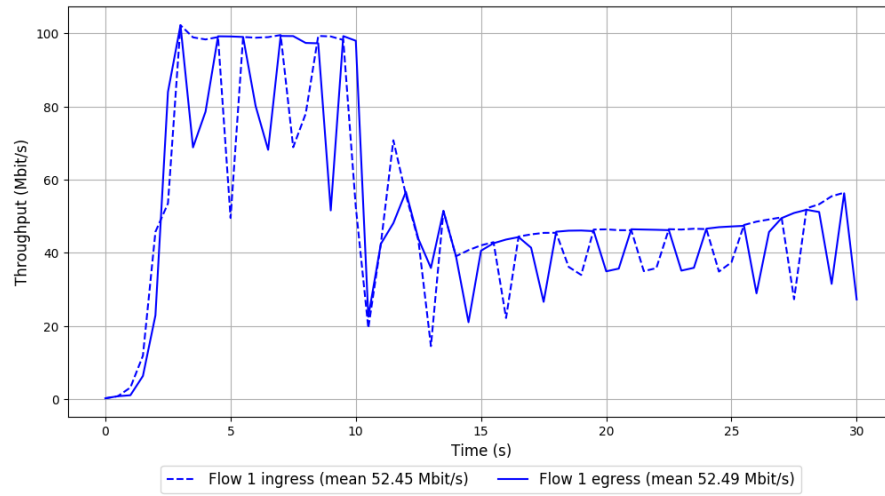
-- Flow 1:

Average throughput: 52.49 Mbit/s

95th percentile per-packet one-way delay: 143.575 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-17 02:36:47

End at: 2018-01-17 02:37:17

Below is generated by plot.py at 2018-01-17 04:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.75 Mbit/s

95th percentile per-packet one-way delay: 142.727 ms

Loss rate: 0.00%

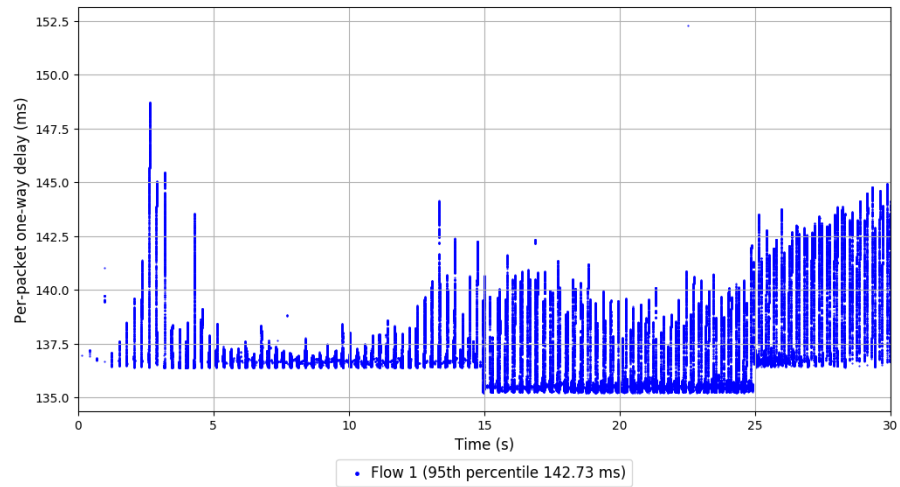
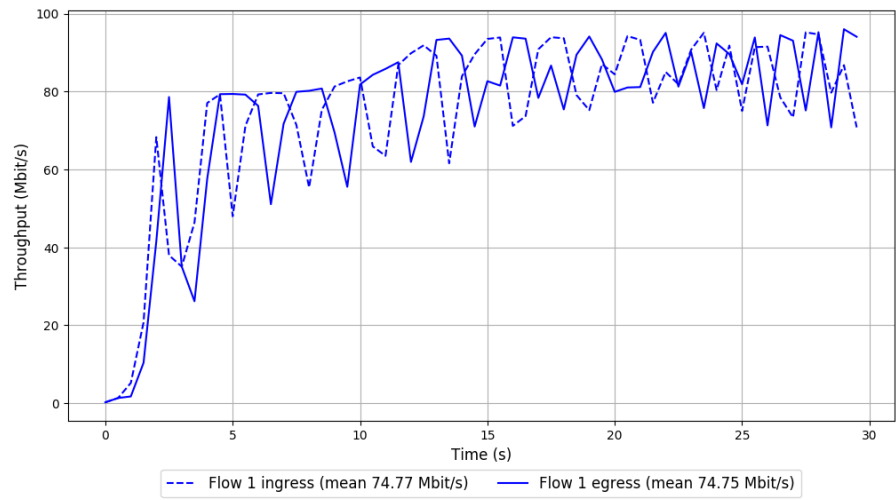
-- Flow 1:

Average throughput: 74.75 Mbit/s

95th percentile per-packet one-way delay: 142.727 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-17 02:52:58

End at: 2018-01-17 02:53:28

Below is generated by plot.py at 2018-01-17 04:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.59 Mbit/s

95th percentile per-packet one-way delay: 143.989 ms

Loss rate: 0.11%

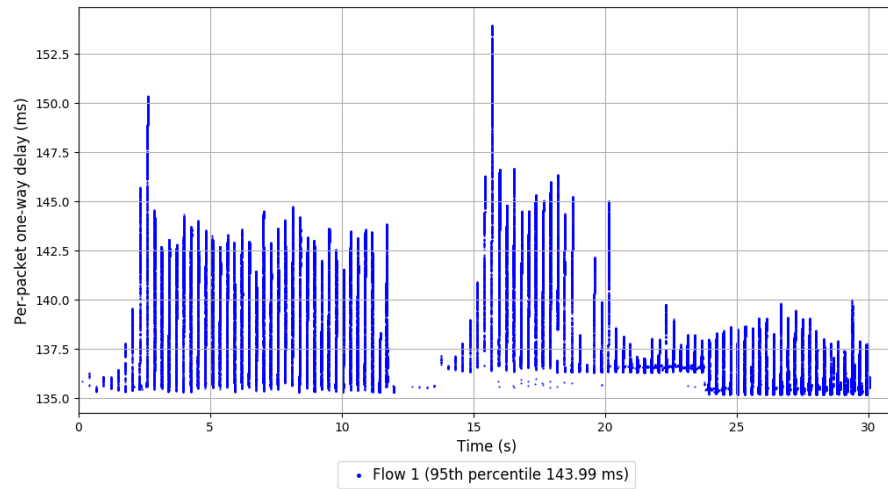
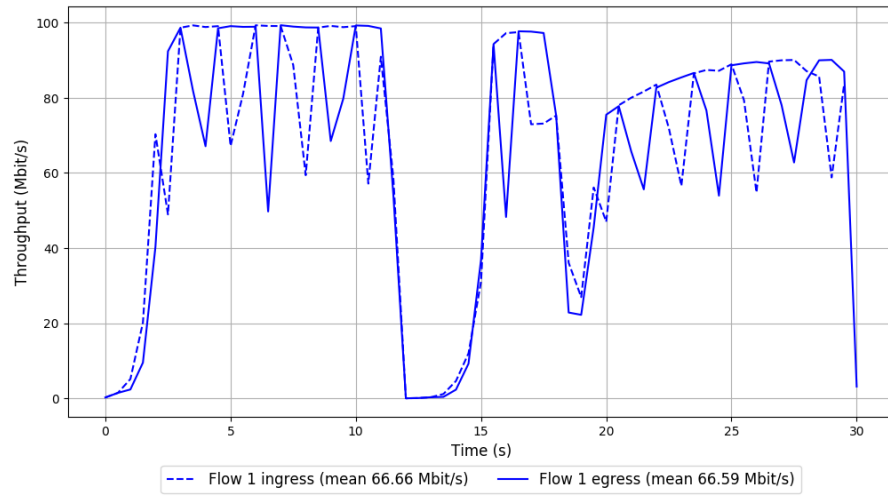
-- Flow 1:

Average throughput: 66.59 Mbit/s

95th percentile per-packet one-way delay: 143.989 ms

Loss rate: 0.11%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-17 03:09:05

End at: 2018-01-17 03:09:35

Below is generated by plot.py at 2018-01-17 04:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.33 Mbit/s

95th percentile per-packet one-way delay: 137.489 ms

Loss rate: 0.54%

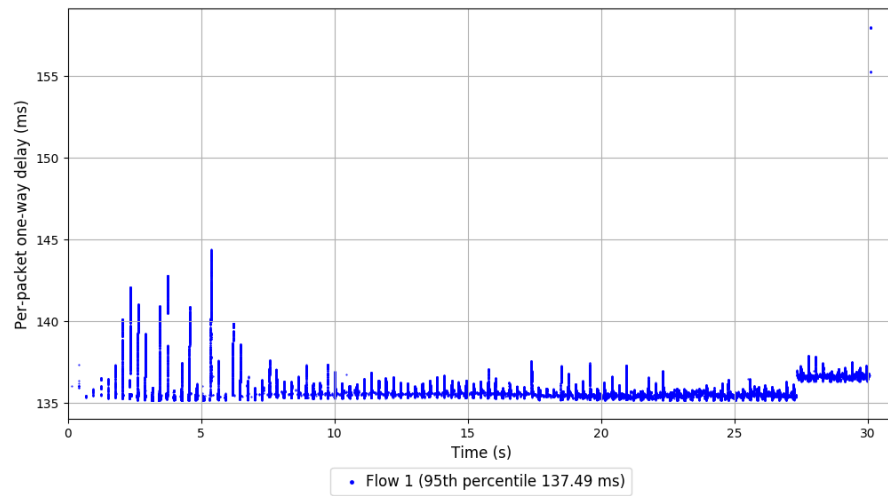
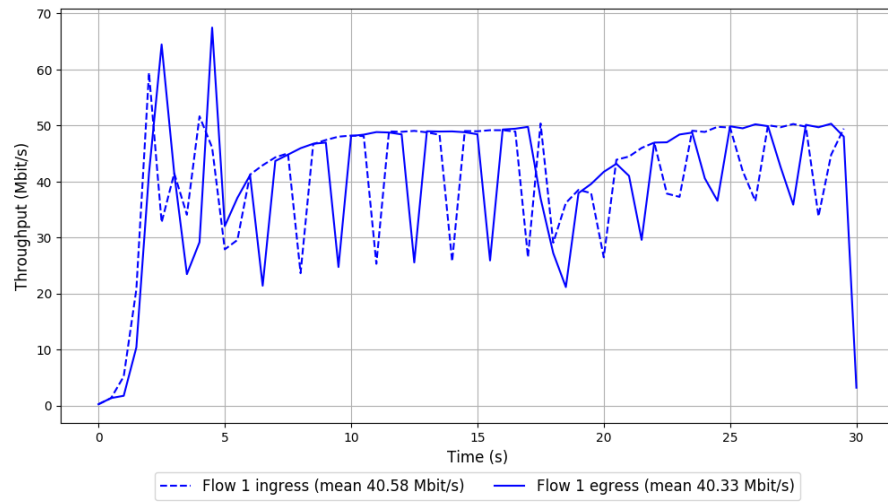
-- Flow 1:

Average throughput: 40.33 Mbit/s

95th percentile per-packet one-way delay: 137.489 ms

Loss rate: 0.54%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-17 03:25:20

End at: 2018-01-17 03:25:50

Below is generated by plot.py at 2018-01-17 04:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.65 Mbit/s

95th percentile per-packet one-way delay: 143.070 ms

Loss rate: 0.13%

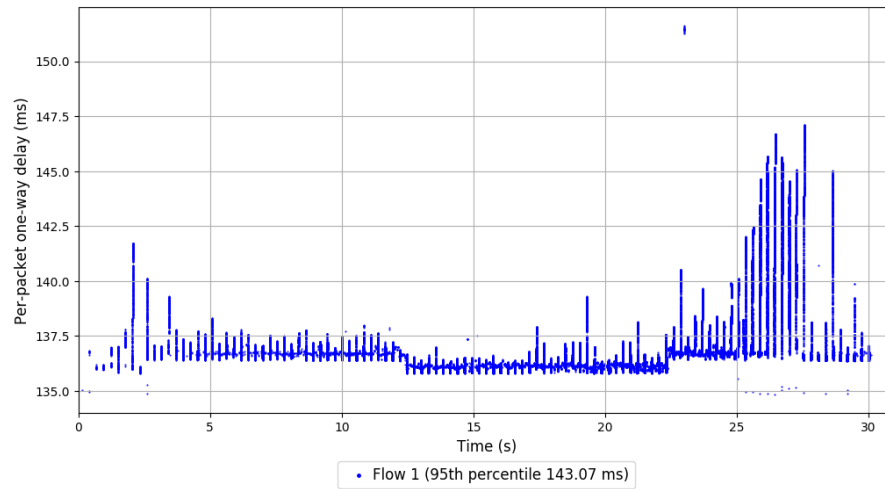
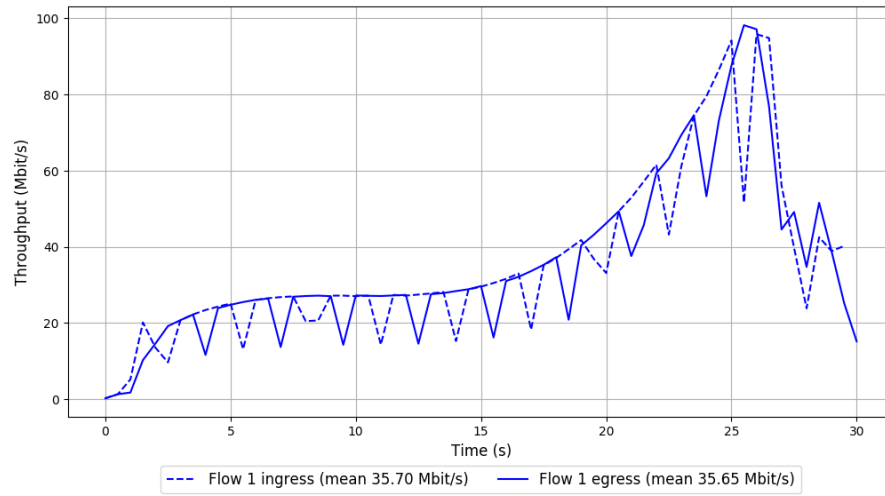
-- Flow 1:

Average throughput: 35.65 Mbit/s

95th percentile per-packet one-way delay: 143.070 ms

Loss rate: 0.13%

Run 10: Report of TCP Cubic — Data Link

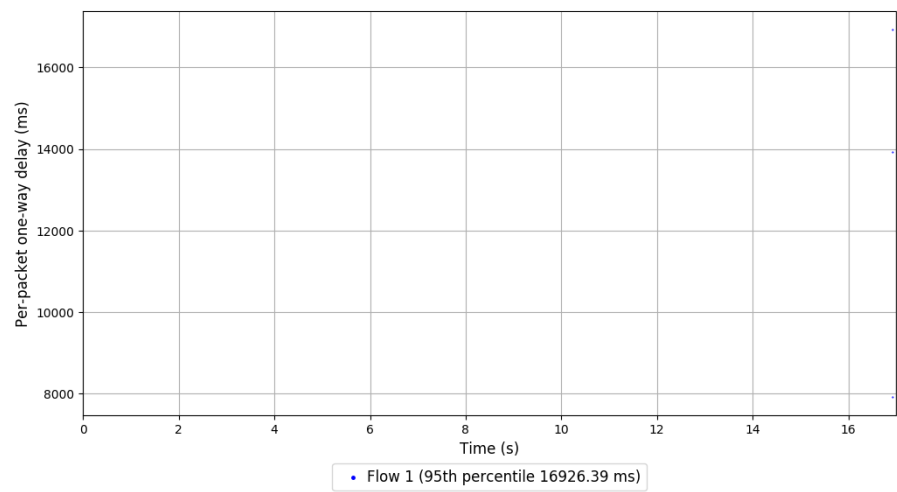
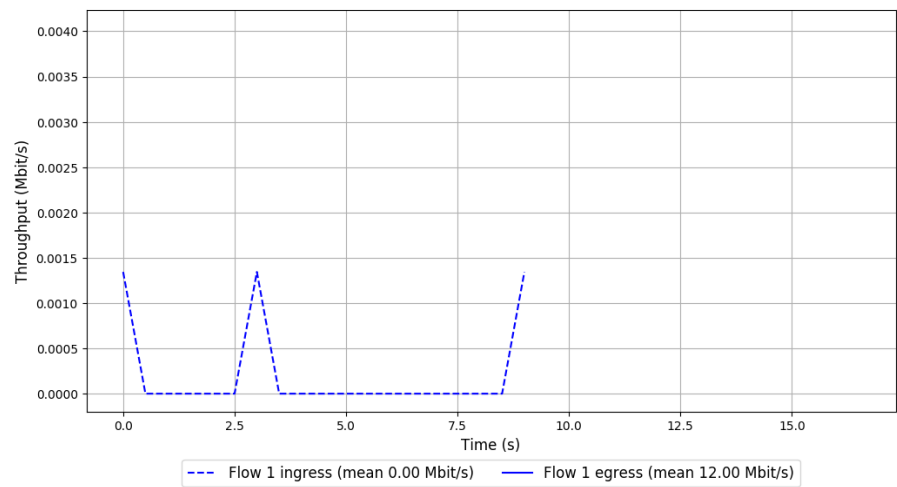


Run 1: Statistics of LEDBAT

Start at: 2018-01-17 01:10:32

End at: 2018-01-17 01:11:02

Run 1: Report of LEDBAT — Data Link

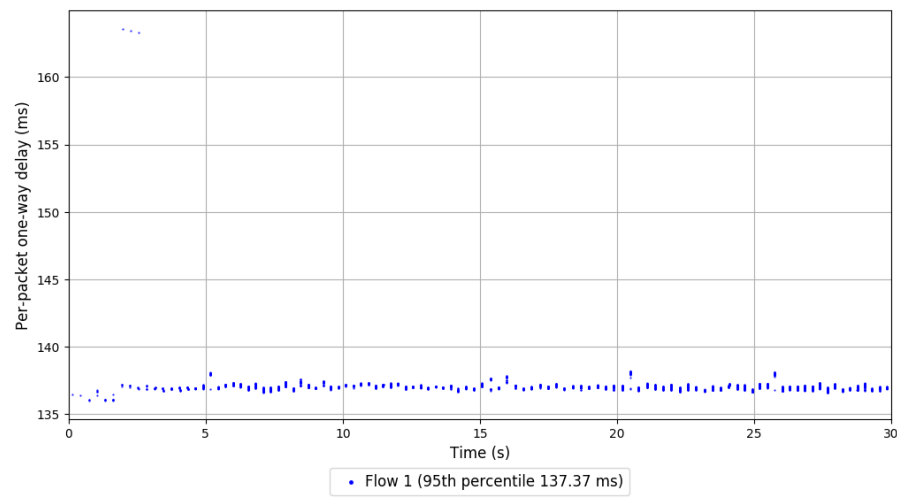
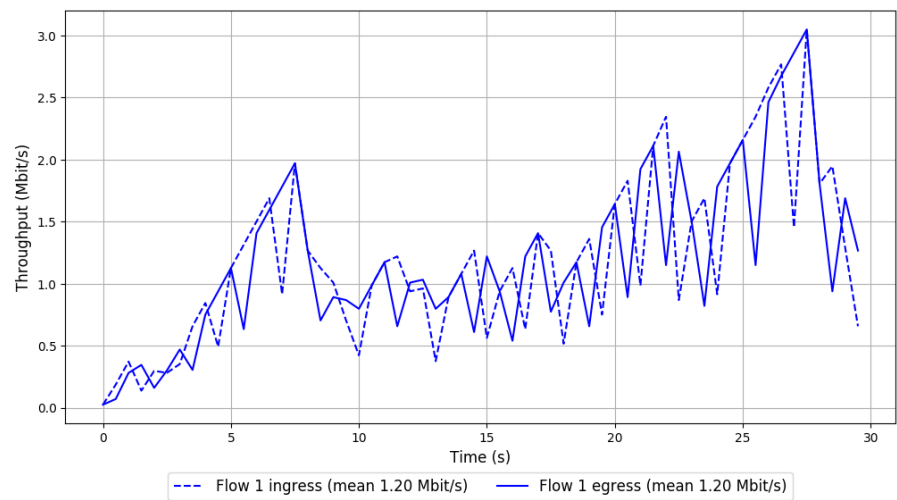


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-17 01:26:20
End at: 2018-01-17 01:26:50

# Below is generated by plot.py at 2018-01-17 04:58:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 137.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 137.373 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

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

End at: 2018-01-17 01:41:47

Below is generated by plot.py at 2018-01-17 04:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 137.236 ms

Loss rate: 0.00%

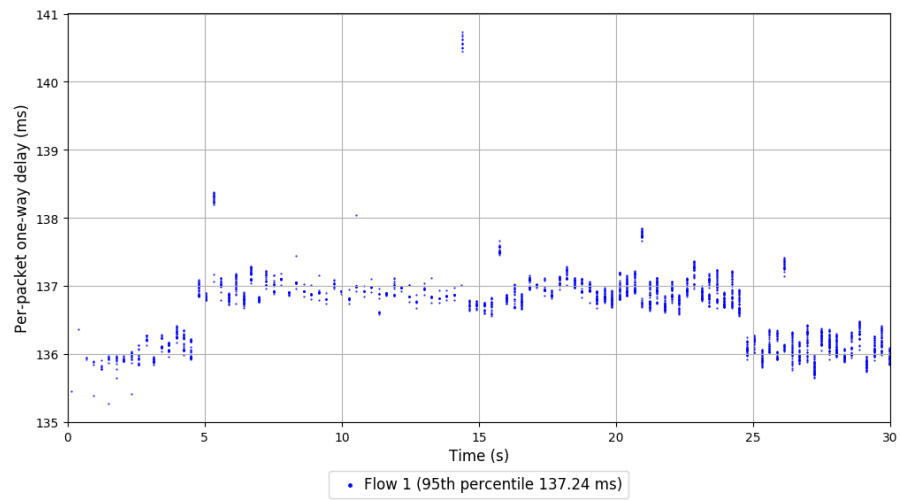
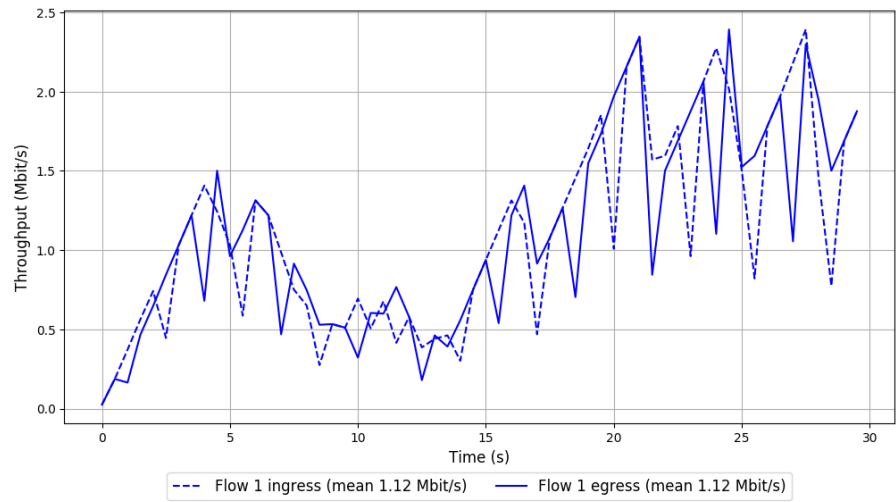
-- Flow 1:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 137.236 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-17 01:56:50

End at: 2018-01-17 01:57:20

Below is generated by plot.py at 2018-01-17 04:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 137.202 ms

Loss rate: 0.00%

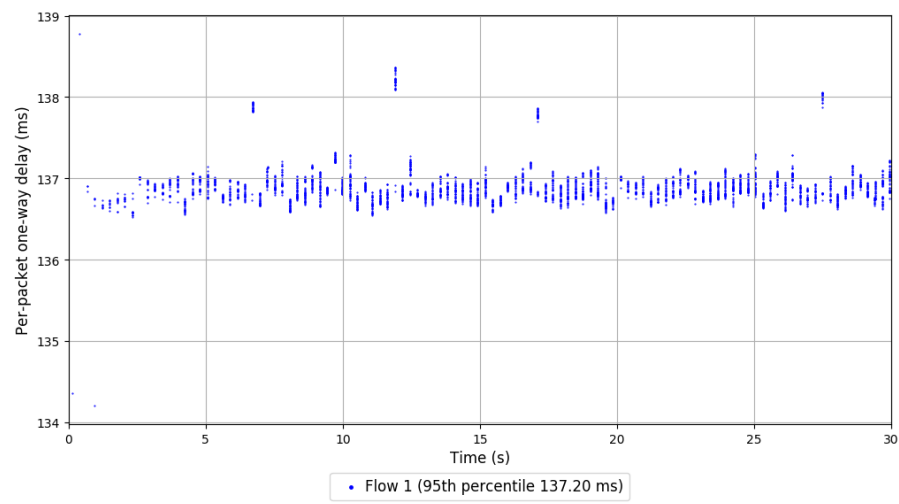
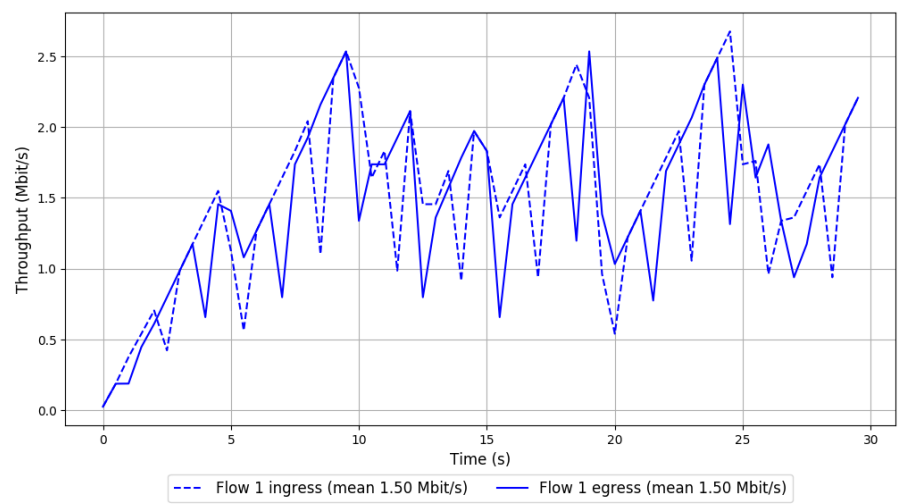
-- Flow 1:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 137.202 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-17 02:12:53

End at: 2018-01-17 02:13:23

Below is generated by plot.py at 2018-01-17 04:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 137.083 ms

Loss rate: 0.00%

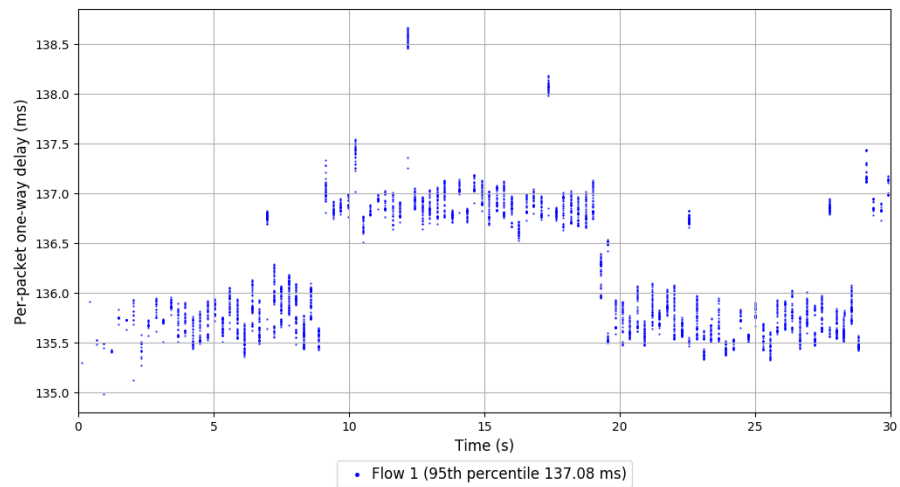
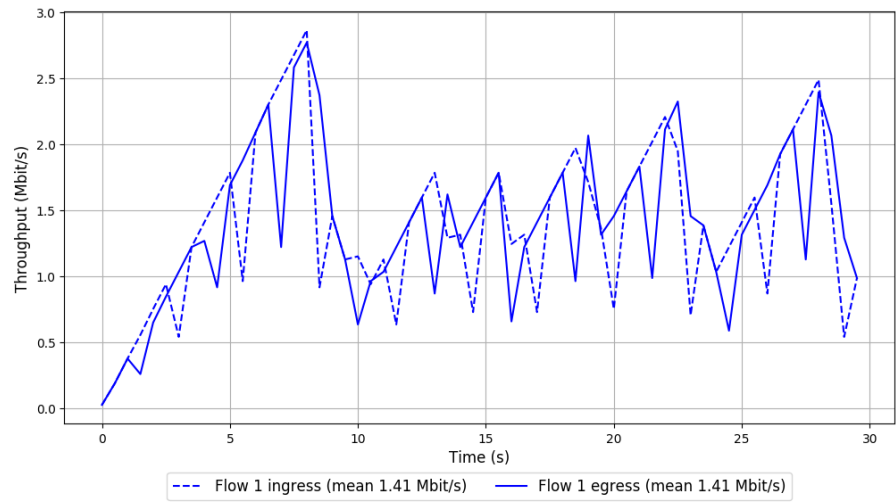
-- Flow 1:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 137.083 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

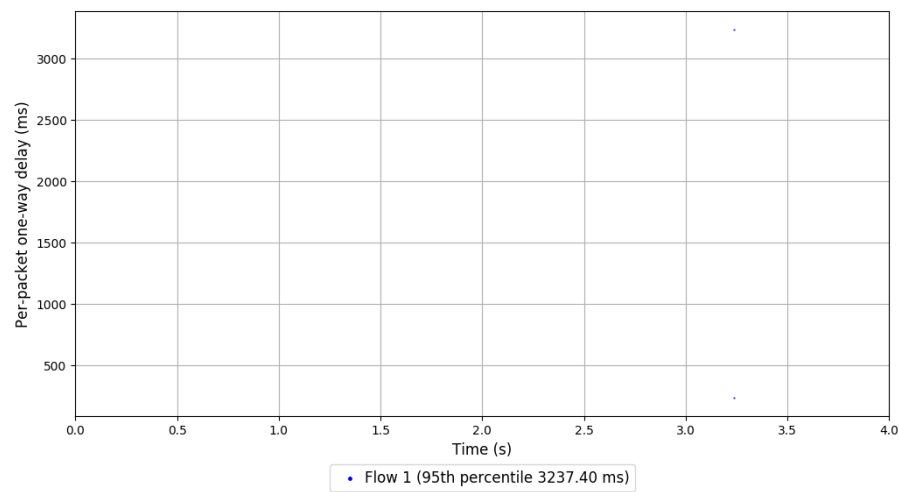
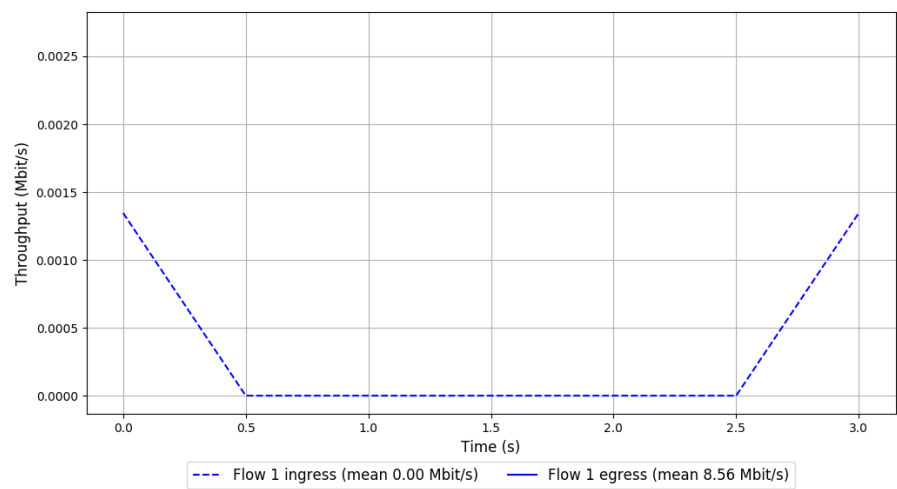


Run 6: Statistics of LEDBAT

Start at: 2018-01-17 02:28:58

End at: 2018-01-17 02:29:28

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-17 02:44:41

End at: 2018-01-17 02:45:11

Below is generated by plot.py at 2018-01-17 04:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 137.048 ms

Loss rate: 0.00%

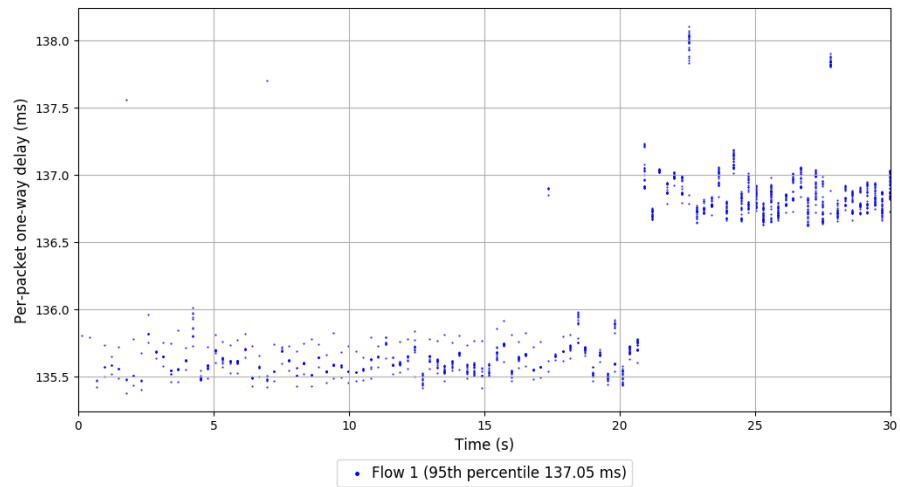
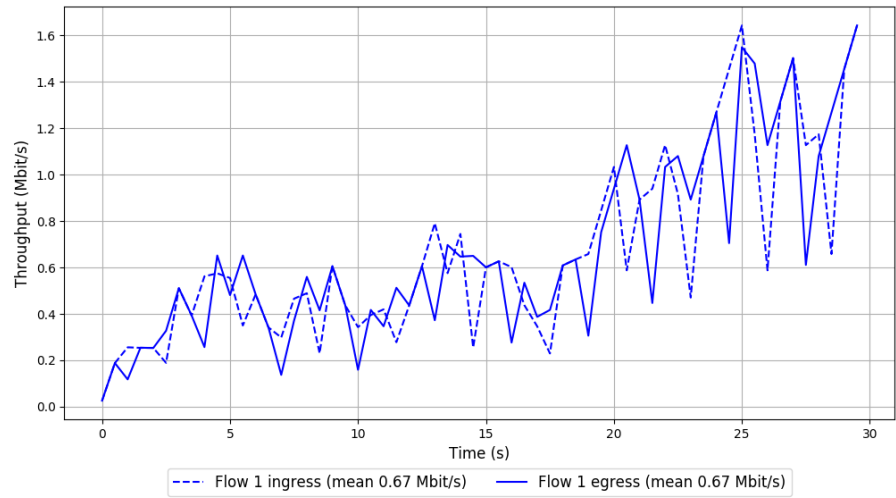
-- Flow 1:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 137.048 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-17 03:00:46

End at: 2018-01-17 03:01:16

Below is generated by plot.py at 2018-01-17 04:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 135.899 ms

Loss rate: 0.00%

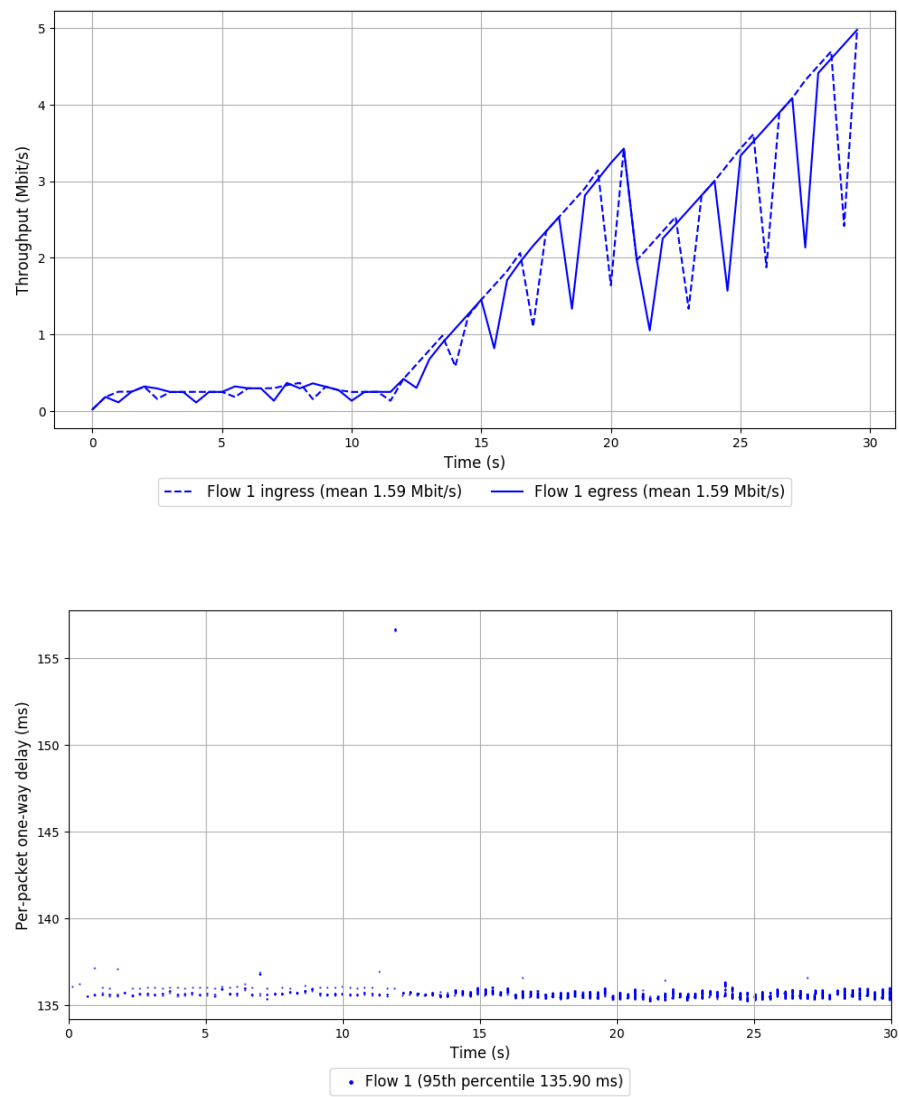
-- Flow 1:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 135.899 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-17 03:17:02

End at: 2018-01-17 03:17:32

Below is generated by plot.py at 2018-01-17 04:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 137.251 ms

Loss rate: 0.00%

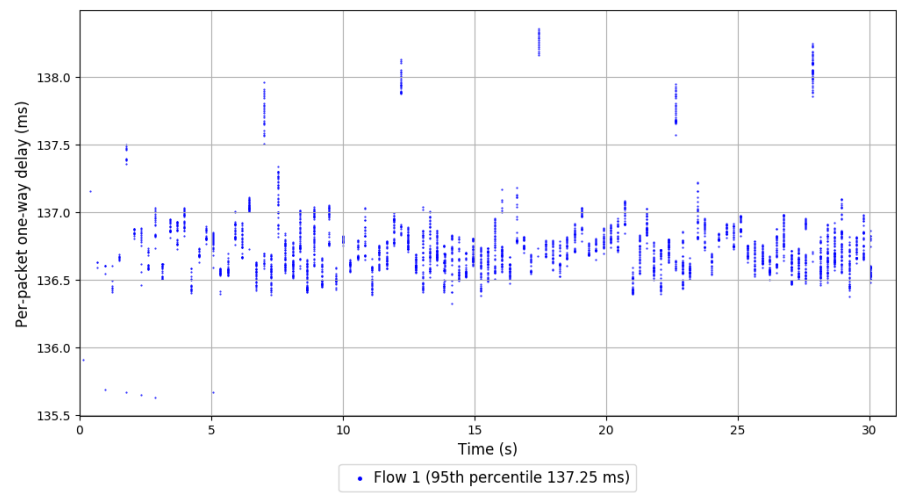
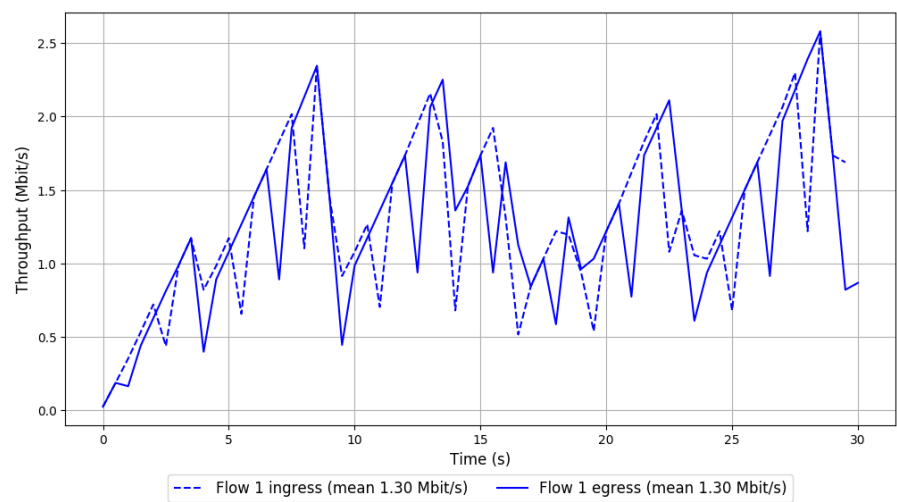
-- Flow 1:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 137.251 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

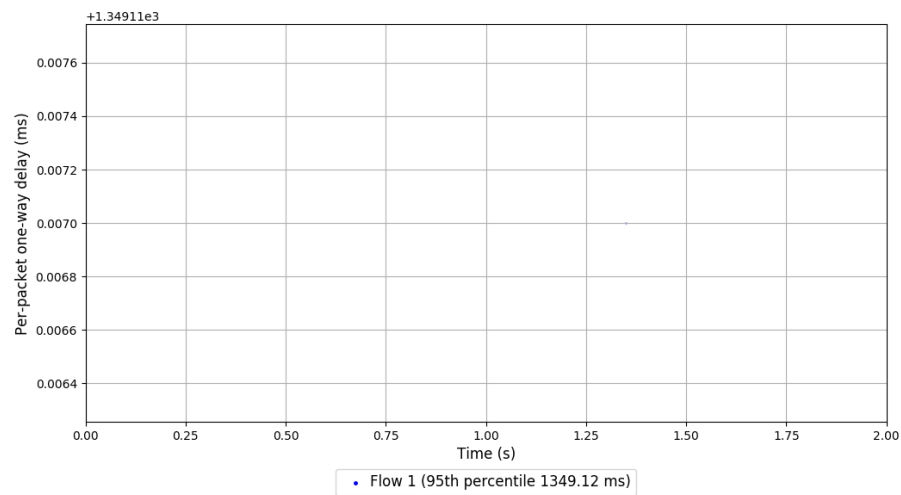
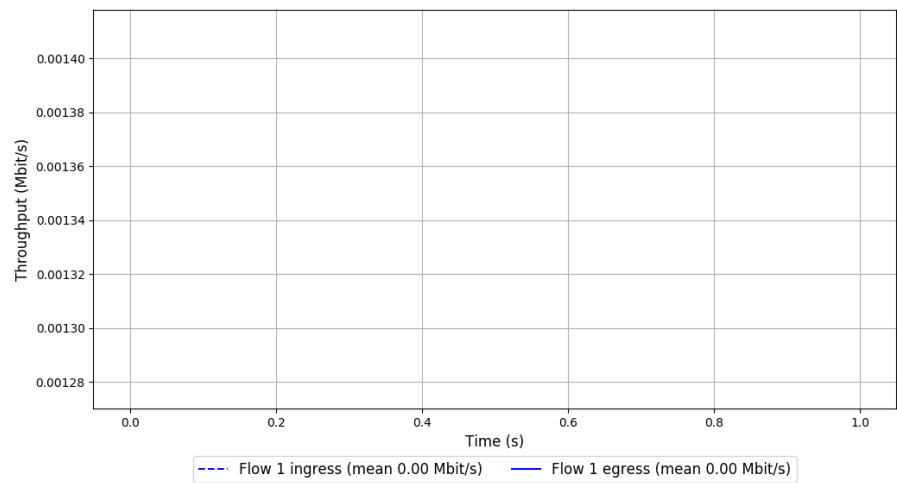


Run 10: Statistics of LEDBAT

Start at: 2018-01-17 03:33:24

End at: 2018-01-17 03:33:54

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-01-17 01:09:25

End at: 2018-01-17 01:09:55

Below is generated by plot.py at 2018-01-17 05:07:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 545.23 Mbit/s

95th percentile per-packet one-way delay: 204.716 ms

Loss rate: 1.10%

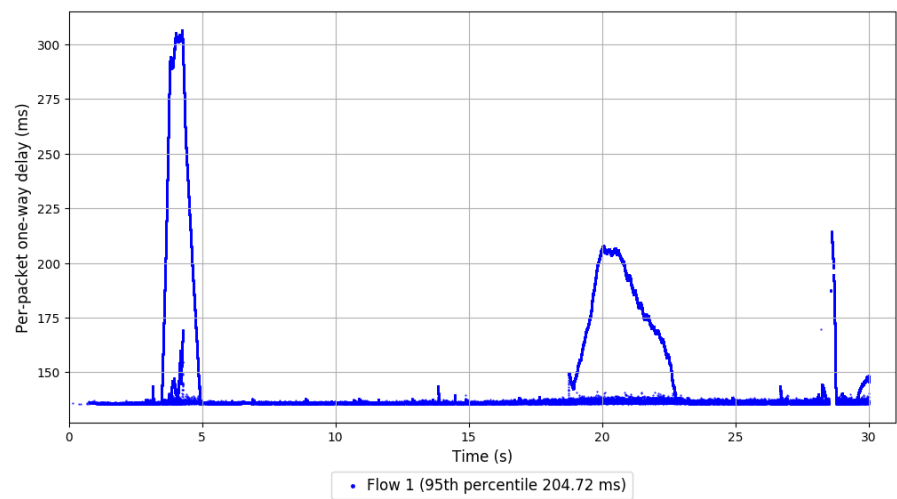
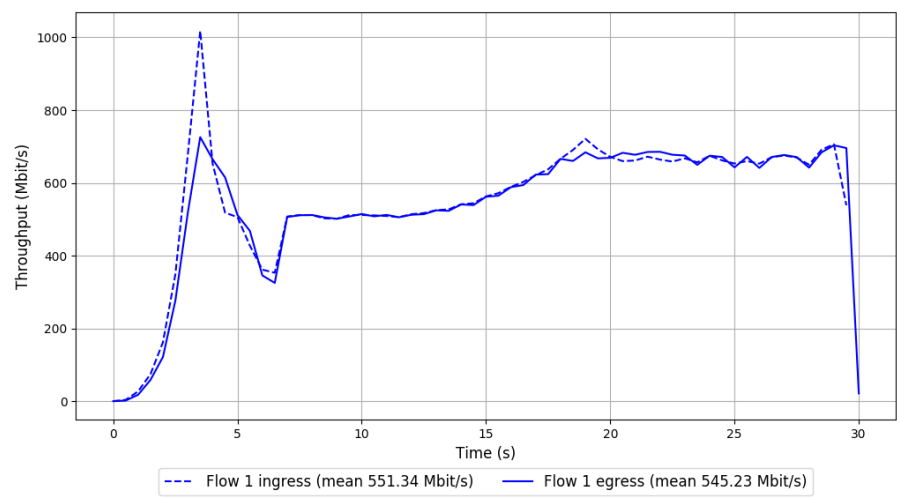
-- Flow 1:

Average throughput: 545.23 Mbit/s

95th percentile per-packet one-way delay: 204.716 ms

Loss rate: 1.10%

Run 1: Report of PCC — Data Link

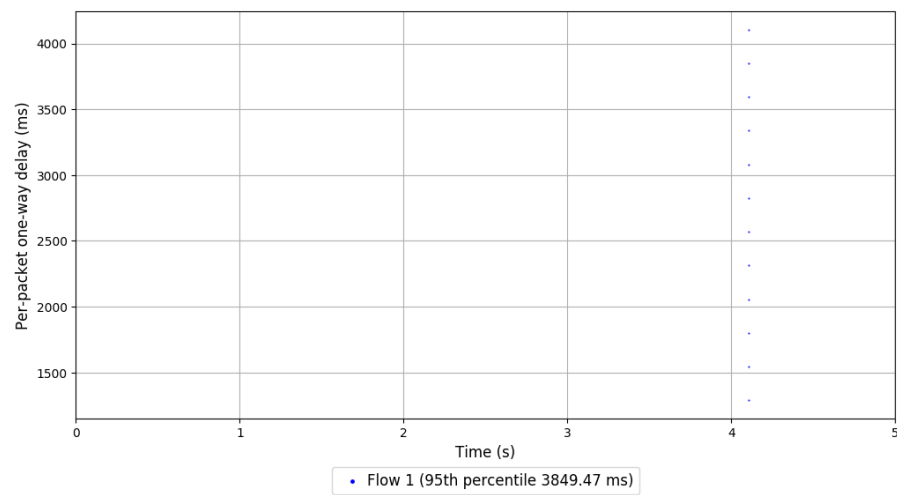
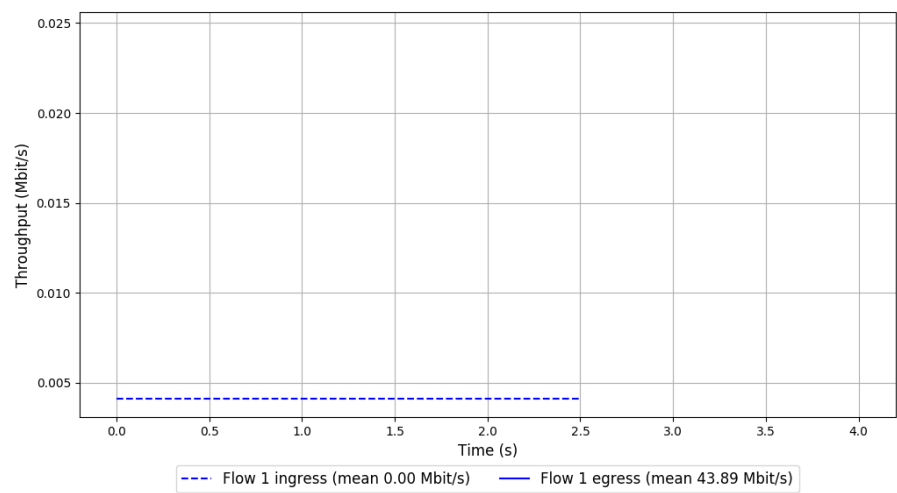


Run 2: Statistics of PCC

Start at: 2018-01-17 01:25:38

End at: 2018-01-17 01:26:08

Run 2: Report of PCC — Data Link

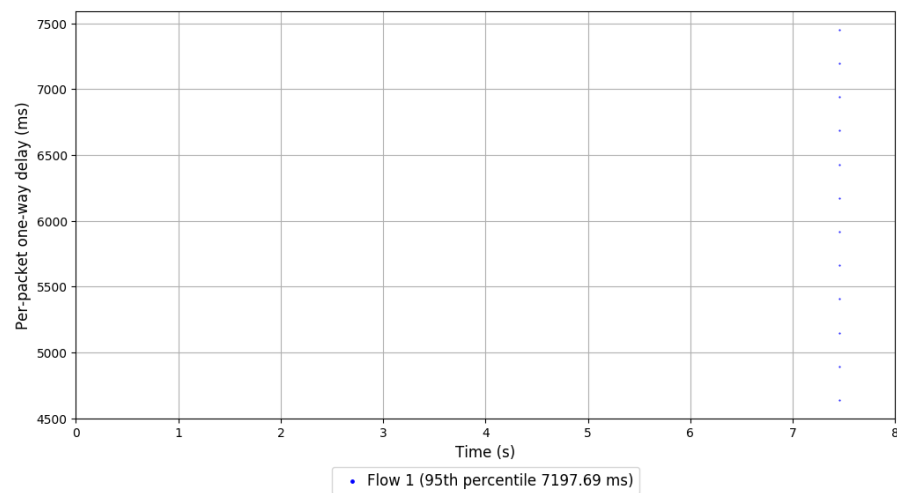
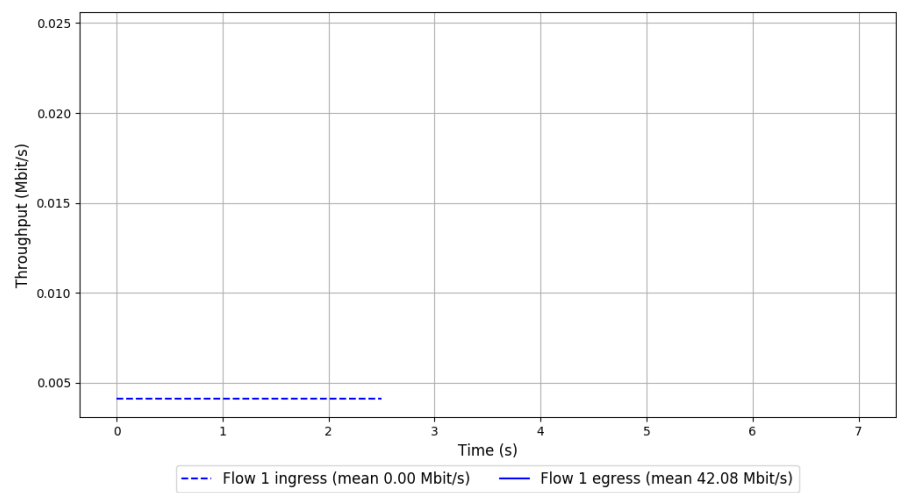


Run 3: Statistics of PCC

Start at: 2018-01-17 01:40:36

End at: 2018-01-17 01:41:06

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

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

End at: 2018-01-17 01:56:13

Below is generated by plot.py at 2018-01-17 05:07:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 551.13 Mbit/s

95th percentile per-packet one-way delay: 266.097 ms

Loss rate: 2.75%

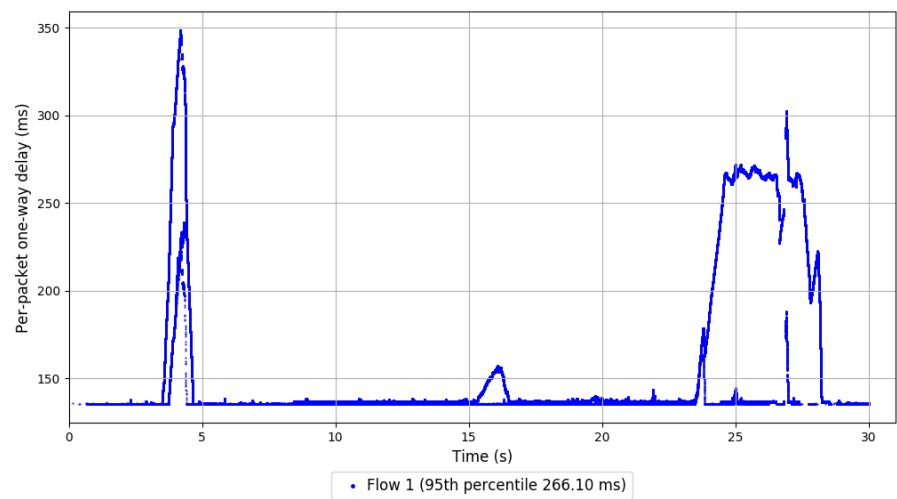
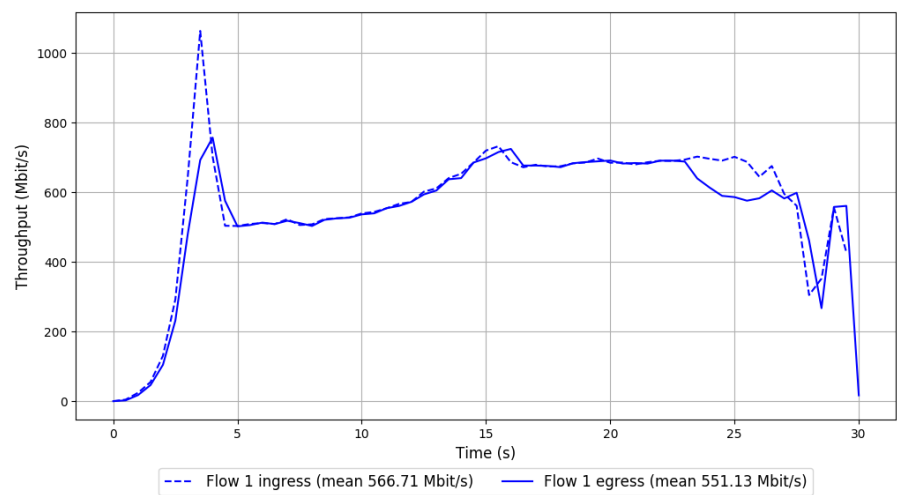
-- Flow 1:

Average throughput: 551.13 Mbit/s

95th percentile per-packet one-way delay: 266.097 ms

Loss rate: 2.75%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-17 02:11:44

End at: 2018-01-17 02:12:14

Below is generated by plot.py at 2018-01-17 05:08:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 595.65 Mbit/s

95th percentile per-packet one-way delay: 178.454 ms

Loss rate: 0.91%

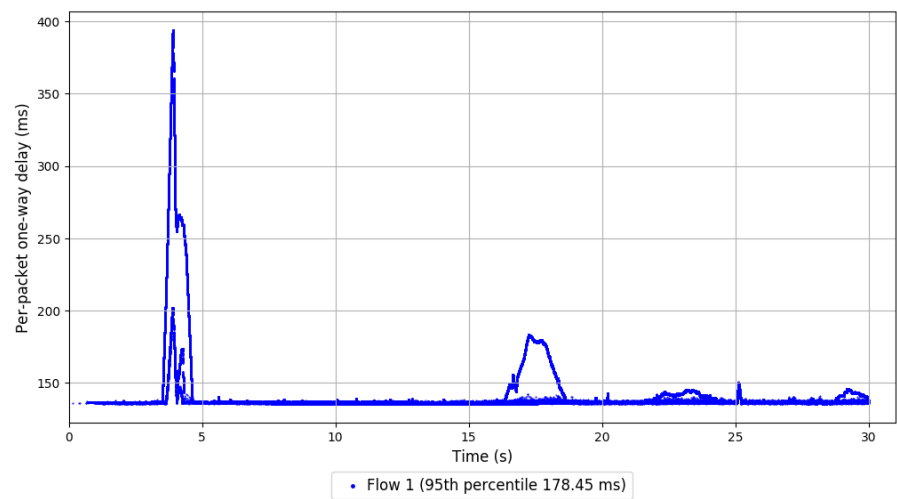
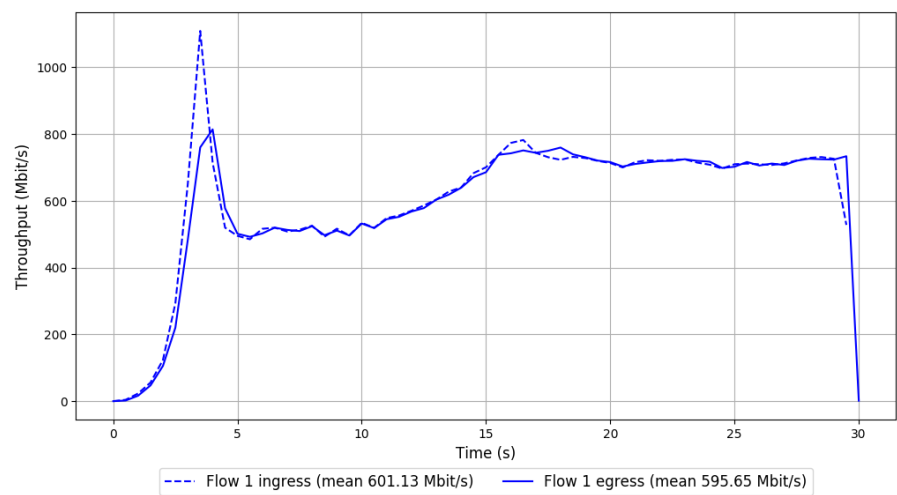
-- Flow 1:

Average throughput: 595.65 Mbit/s

95th percentile per-packet one-way delay: 178.454 ms

Loss rate: 0.91%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-17 02:27:50

End at: 2018-01-17 02:28:20

Below is generated by plot.py at 2018-01-17 05:08:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 563.38 Mbit/s

95th percentile per-packet one-way delay: 161.949 ms

Loss rate: 1.28%

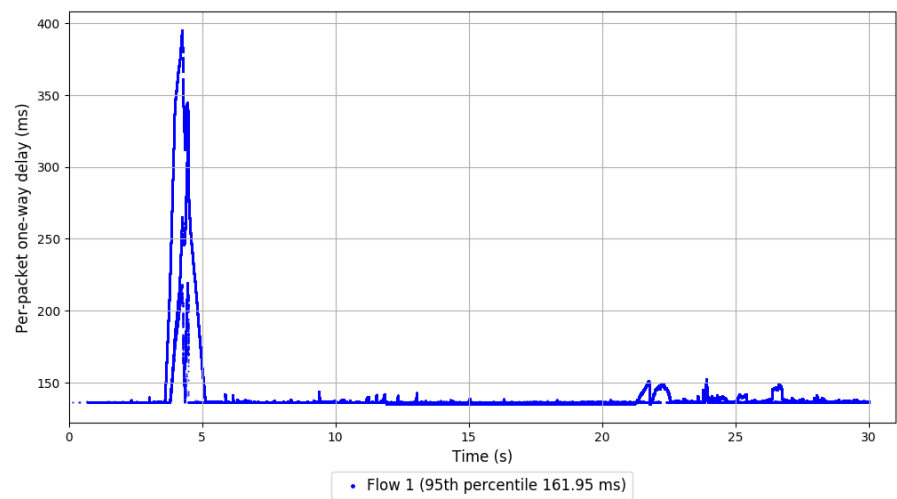
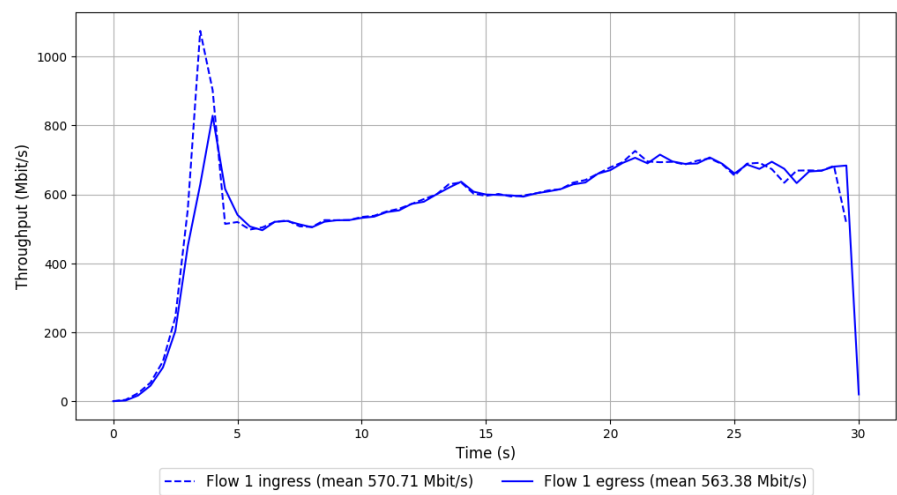
-- Flow 1:

Average throughput: 563.38 Mbit/s

95th percentile per-packet one-way delay: 161.949 ms

Loss rate: 1.28%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-17 02:43:35

End at: 2018-01-17 02:44:05

Below is generated by plot.py at 2018-01-17 05:08:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 524.94 Mbit/s

95th percentile per-packet one-way delay: 240.715 ms

Loss rate: 1.64%

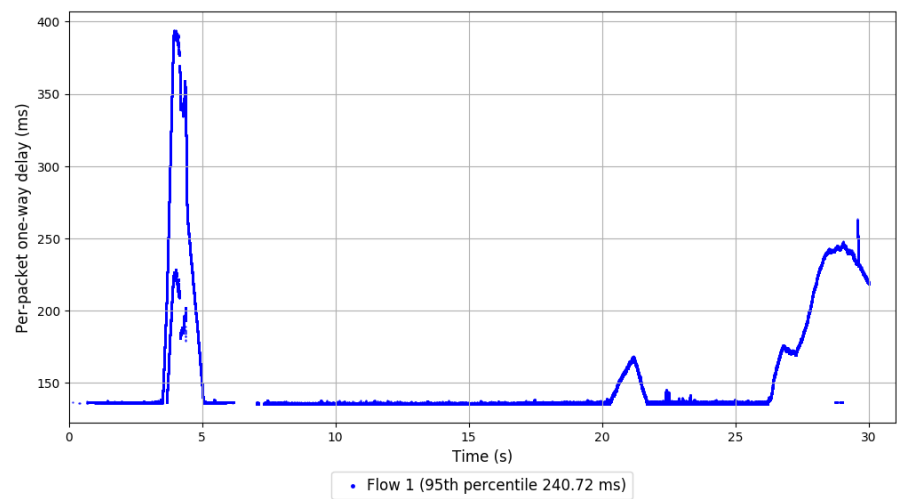
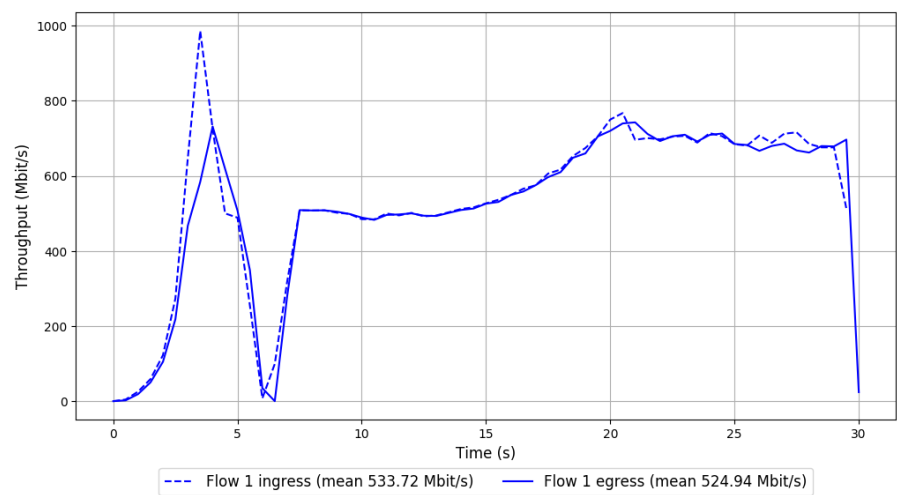
-- Flow 1:

Average throughput: 524.94 Mbit/s

95th percentile per-packet one-way delay: 240.715 ms

Loss rate: 1.64%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-17 02:59:40

End at: 2018-01-17 03:00:10

Below is generated by plot.py at 2018-01-17 05:08:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 515.84 Mbit/s

95th percentile per-packet one-way delay: 287.198 ms

Loss rate: 5.23%

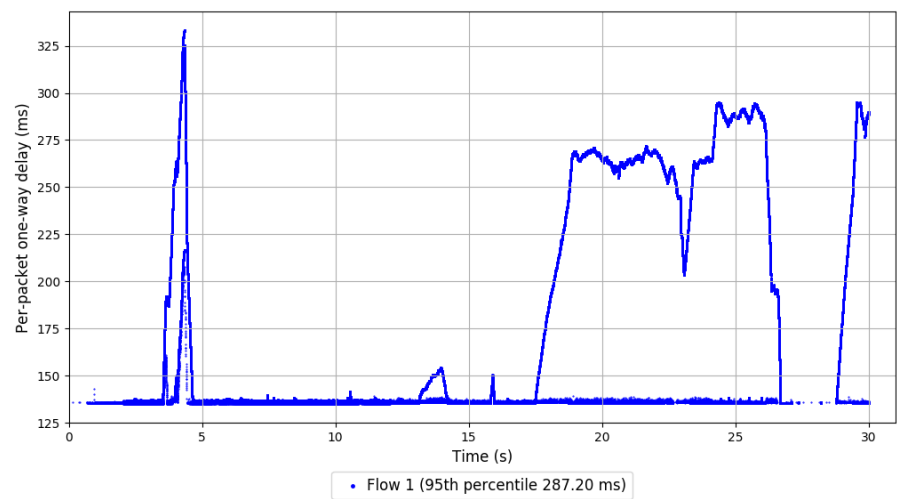
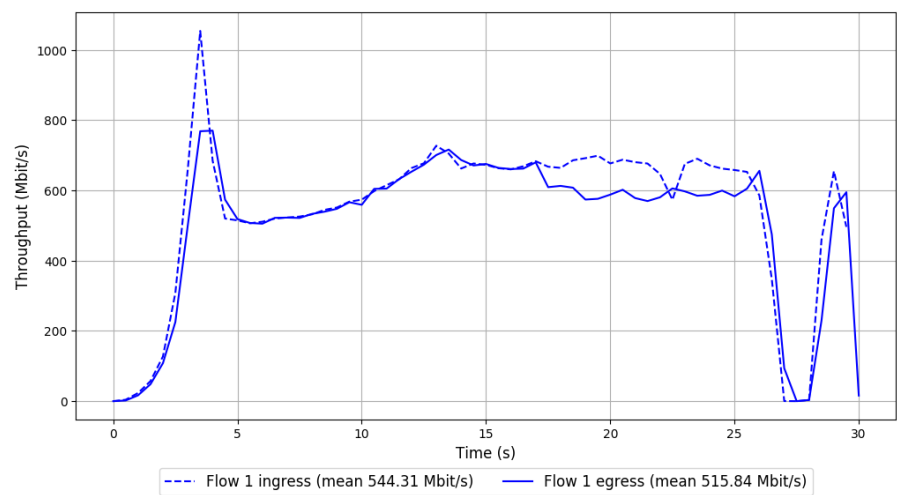
-- Flow 1:

Average throughput: 515.84 Mbit/s

95th percentile per-packet one-way delay: 287.198 ms

Loss rate: 5.23%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-17 03:15:54

End at: 2018-01-17 03:16:24

Below is generated by plot.py at 2018-01-17 05:08:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.68 Mbit/s

95th percentile per-packet one-way delay: 188.854 ms

Loss rate: 0.90%

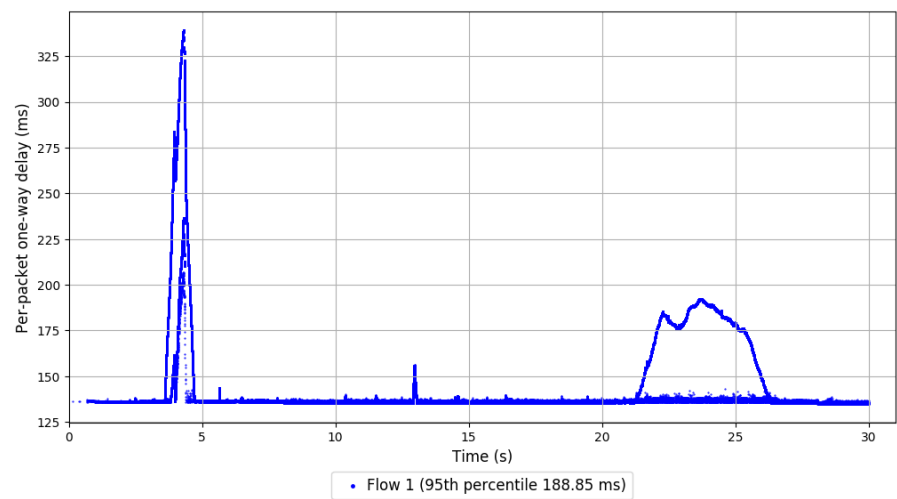
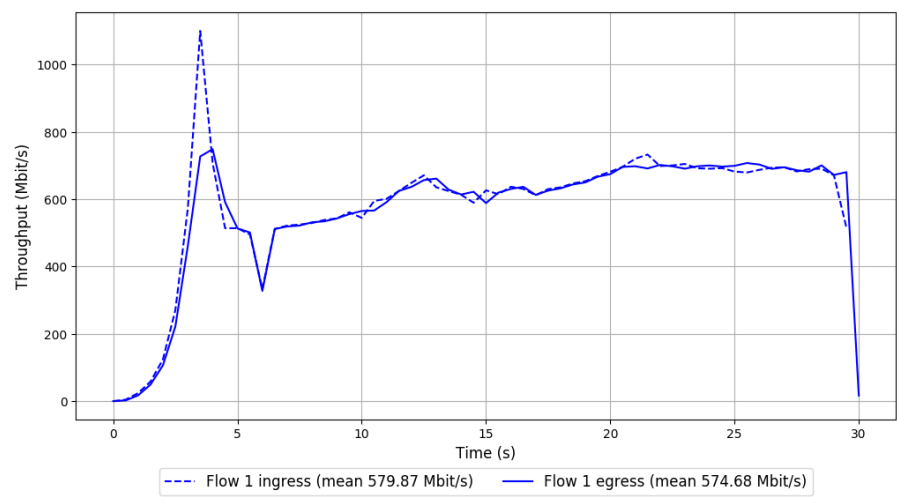
-- Flow 1:

Average throughput: 574.68 Mbit/s

95th percentile per-packet one-way delay: 188.854 ms

Loss rate: 0.90%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-17 03:32:16

End at: 2018-01-17 03:32:46

Below is generated by plot.py at 2018-01-17 05:08:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 576.76 Mbit/s

95th percentile per-packet one-way delay: 264.122 ms

Loss rate: 3.69%

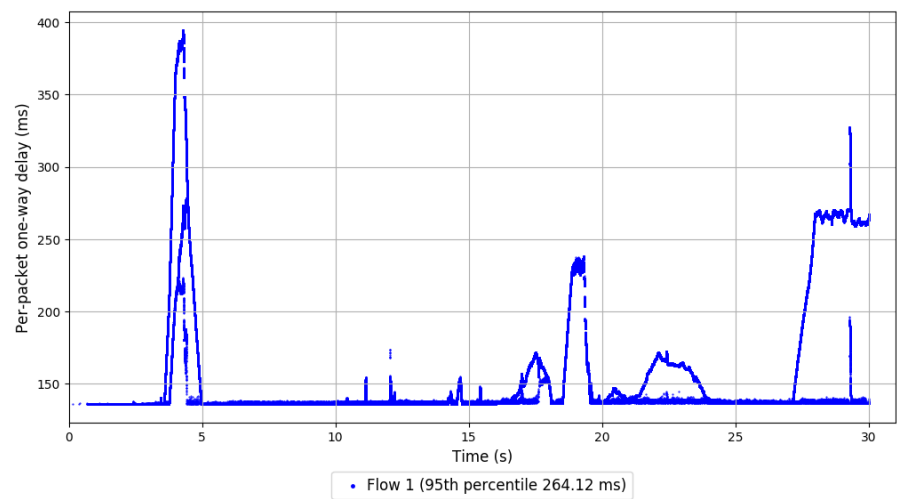
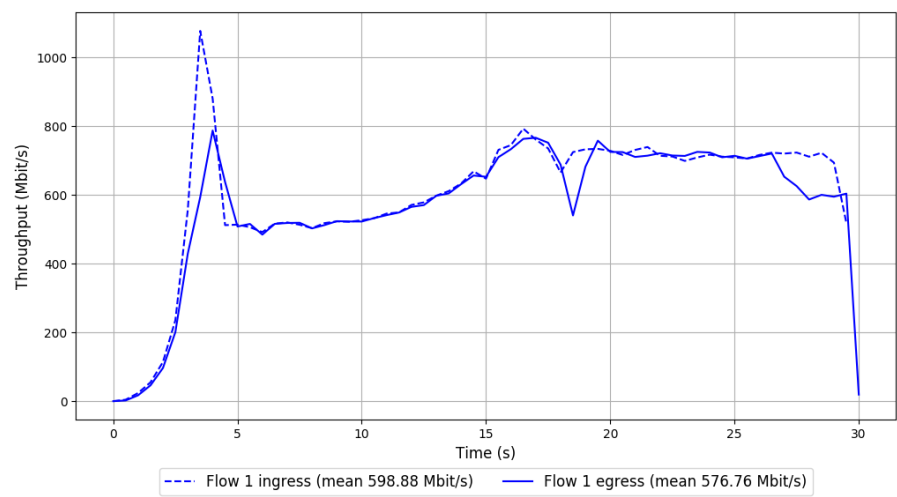
-- Flow 1:

Average throughput: 576.76 Mbit/s

95th percentile per-packet one-way delay: 264.122 ms

Loss rate: 3.69%

Run 10: Report of PCC — Data Link

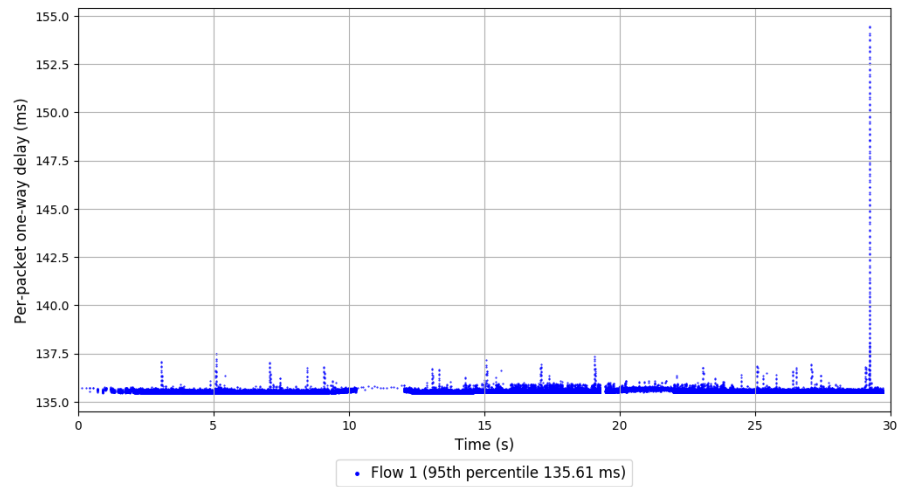
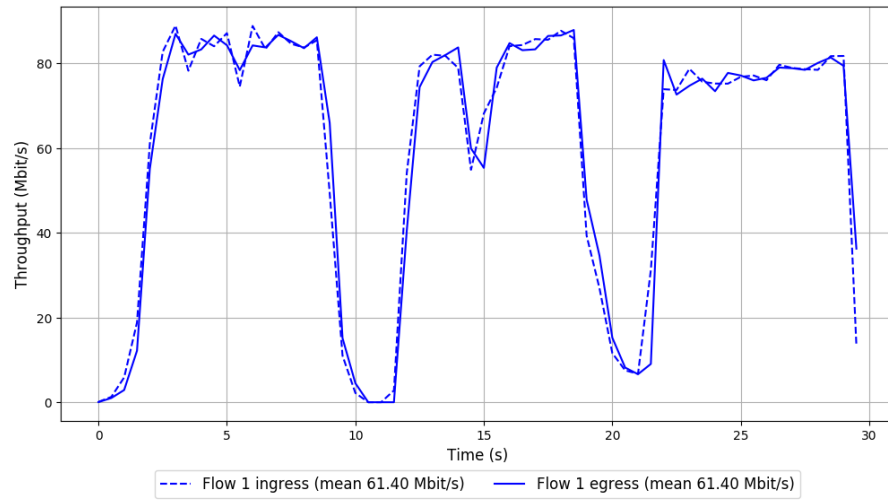


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-17 01:14:17
End at: 2018-01-17 01:14:47

# Below is generated by plot.py at 2018-01-17 05:08:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.40 Mbit/s
95th percentile per-packet one-way delay: 135.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.40 Mbit/s
95th percentile per-packet one-way delay: 135.609 ms
Loss rate: 0.00%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

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

End at: 2018-01-17 01:30:31

Below is generated by plot.py at 2018-01-17 05:08:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.85 Mbit/s

95th percentile per-packet one-way delay: 136.065 ms

Loss rate: 0.00%

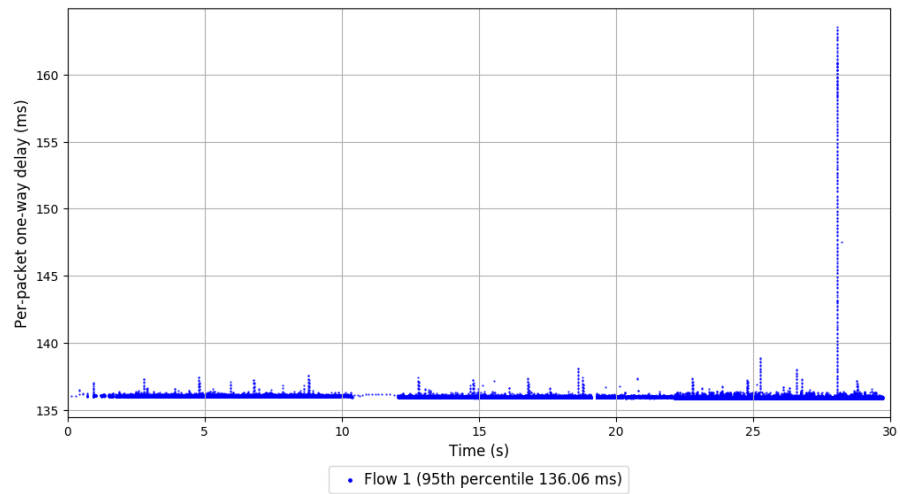
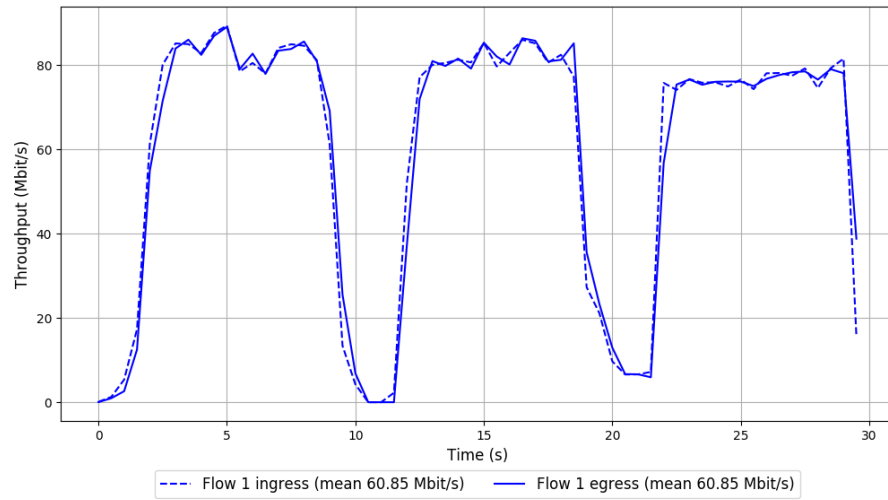
-- Flow 1:

Average throughput: 60.85 Mbit/s

95th percentile per-packet one-way delay: 136.065 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-17 01:44:58

End at: 2018-01-17 01:45:28

Below is generated by plot.py at 2018-01-17 05:08:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.01 Mbit/s

95th percentile per-packet one-way delay: 136.109 ms

Loss rate: 0.00%

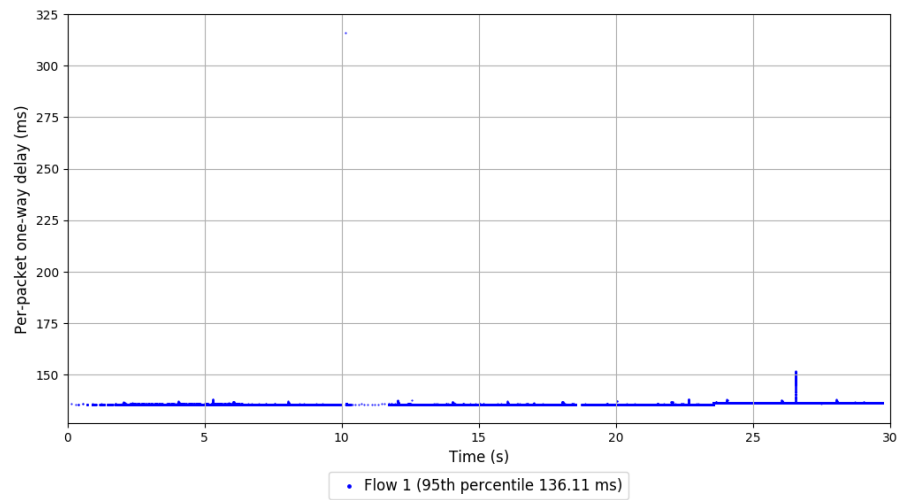
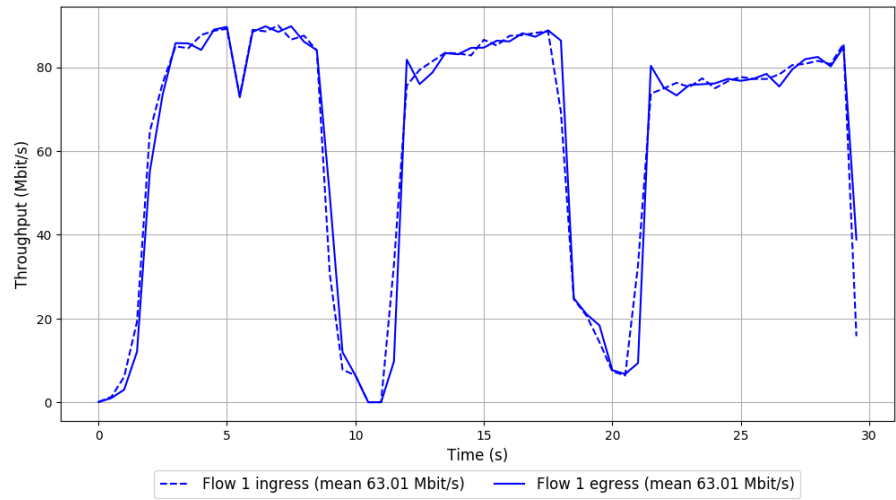
-- Flow 1:

Average throughput: 63.01 Mbit/s

95th percentile per-packet one-way delay: 136.109 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-17 02:00:35

End at: 2018-01-17 02:01:05

Below is generated by plot.py at 2018-01-17 05:08:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.95 Mbit/s

95th percentile per-packet one-way delay: 135.919 ms

Loss rate: 0.00%

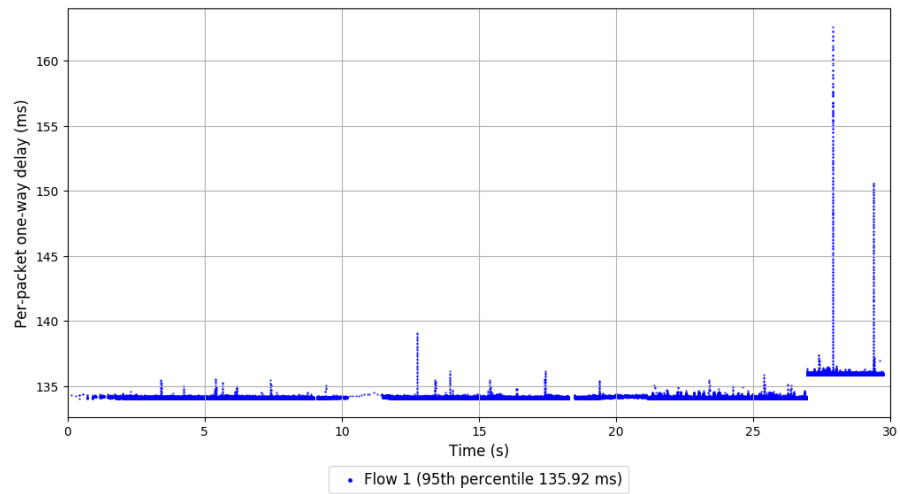
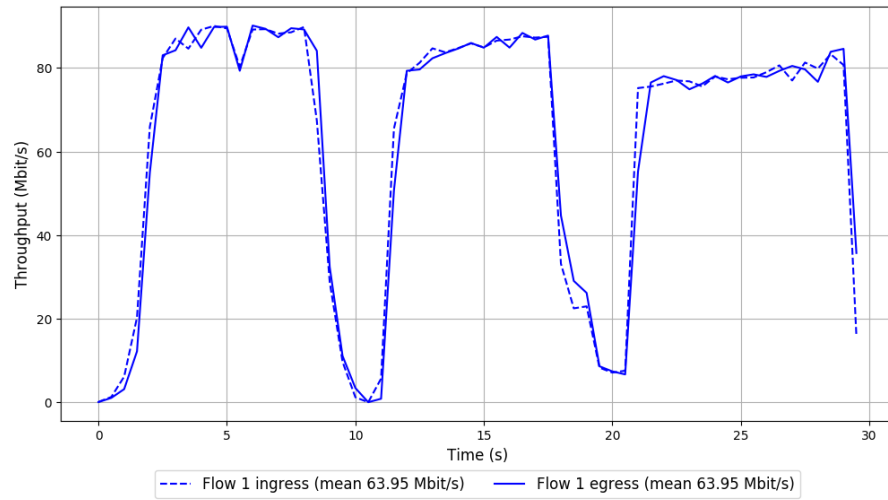
-- Flow 1:

Average throughput: 63.95 Mbit/s

95th percentile per-packet one-way delay: 135.919 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-17 02:16:37

End at: 2018-01-17 02:17:07

Below is generated by plot.py at 2018-01-17 05:08:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.84 Mbit/s

95th percentile per-packet one-way delay: 135.182 ms

Loss rate: 0.00%

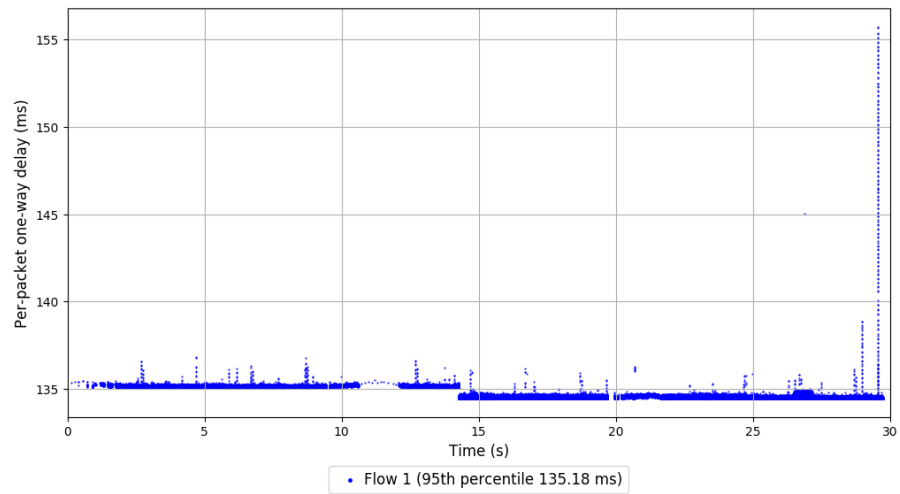
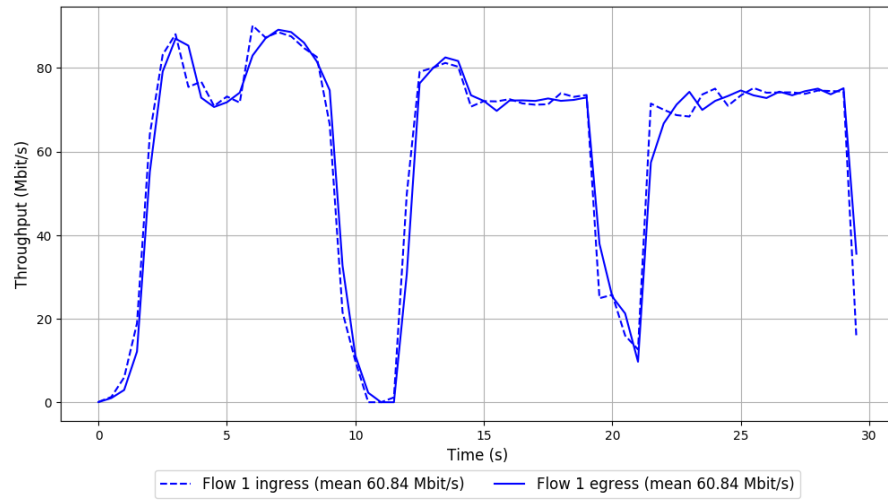
-- Flow 1:

Average throughput: 60.84 Mbit/s

95th percentile per-packet one-way delay: 135.182 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-17 02:32:42

End at: 2018-01-17 02:33:12

Below is generated by plot.py at 2018-01-17 05:09:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.93 Mbit/s

95th percentile per-packet one-way delay: 136.108 ms

Loss rate: 0.00%

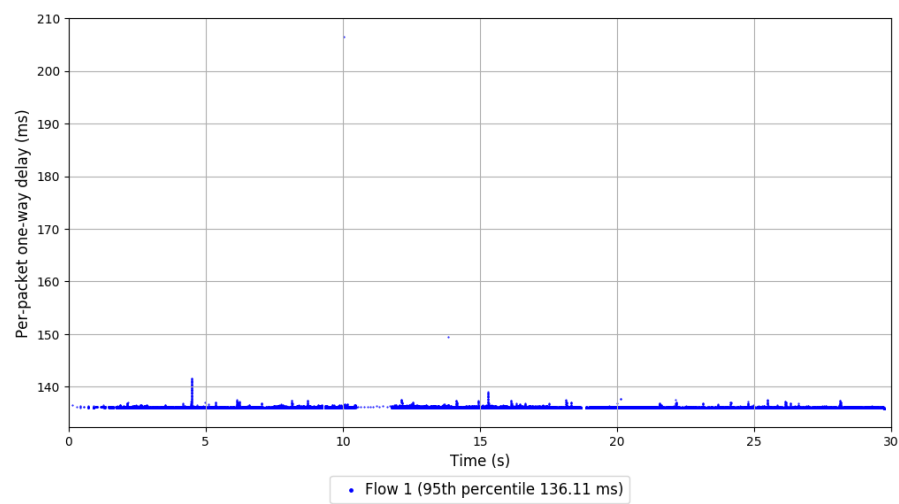
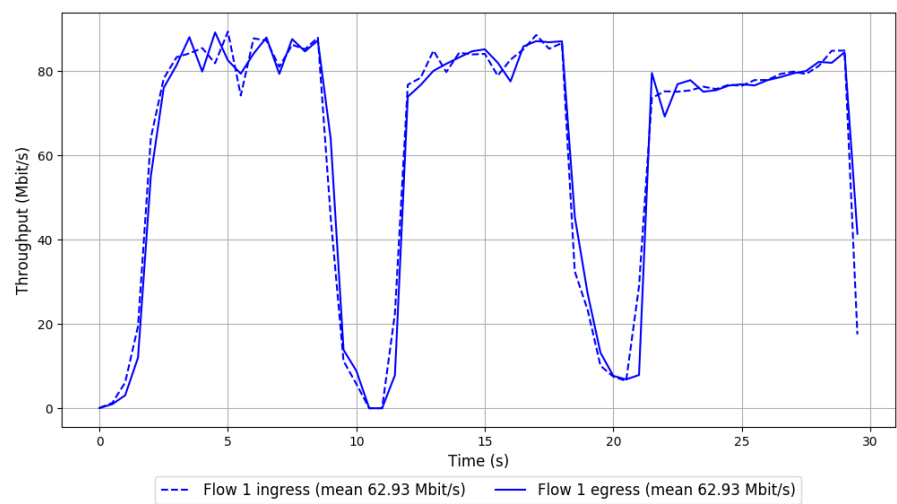
-- Flow 1:

Average throughput: 62.93 Mbit/s

95th percentile per-packet one-way delay: 136.108 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-17 02:48:25

End at: 2018-01-17 02:48:55

Below is generated by plot.py at 2018-01-17 05:09:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 136.675 ms

Loss rate: 0.00%

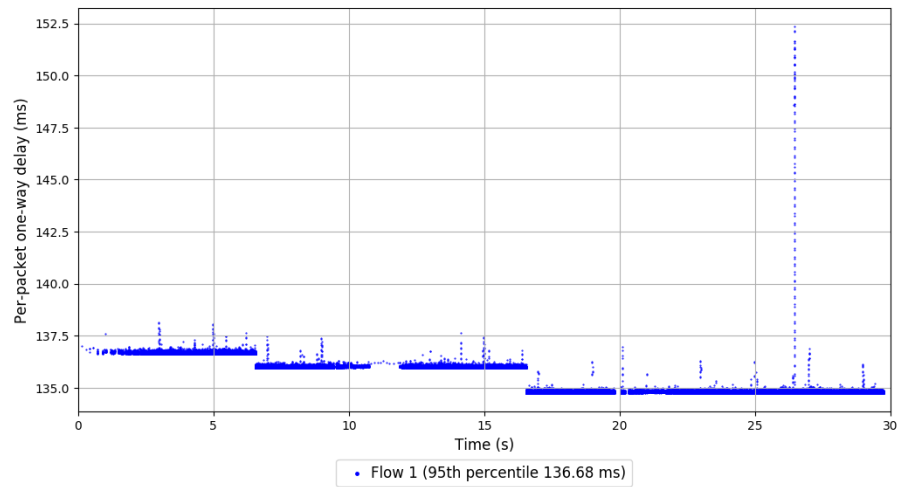
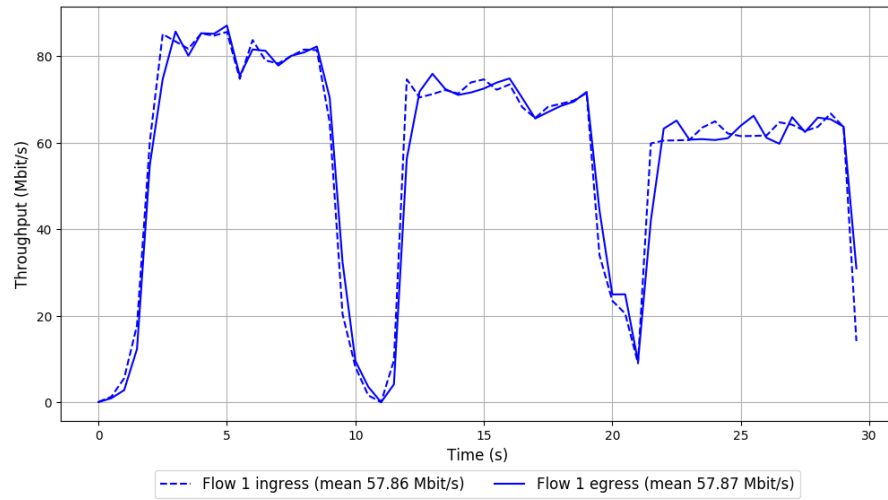
-- Flow 1:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 136.675 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-17 03:04:31

End at: 2018-01-17 03:05:01

Below is generated by plot.py at 2018-01-17 05:09:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.71 Mbit/s

95th percentile per-packet one-way delay: 136.388 ms

Loss rate: 0.00%

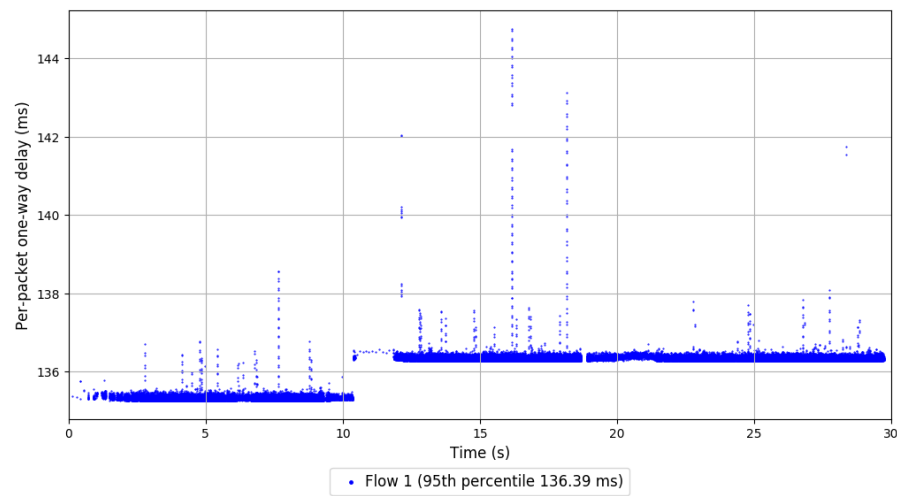
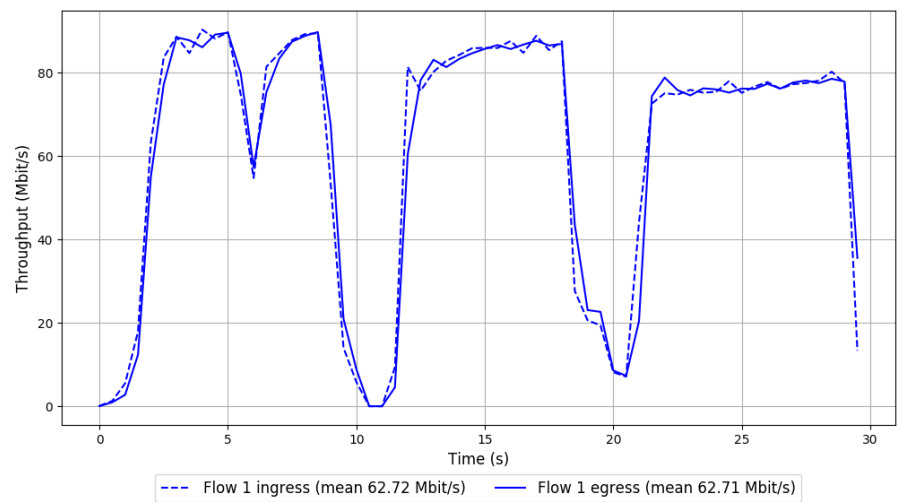
-- Flow 1:

Average throughput: 62.71 Mbit/s

95th percentile per-packet one-way delay: 136.388 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-17 03:20:47

End at: 2018-01-17 03:21:17

Below is generated by plot.py at 2018-01-17 05:09:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.75 Mbit/s

95th percentile per-packet one-way delay: 135.456 ms

Loss rate: 0.00%

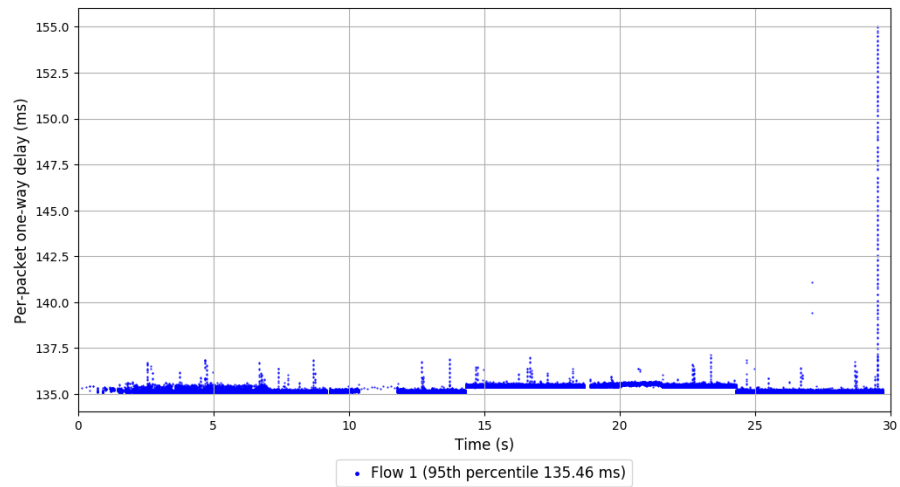
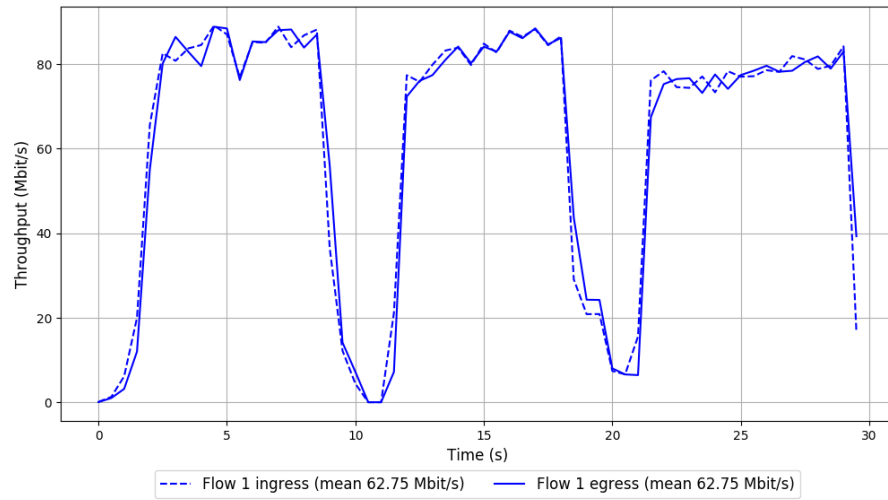
-- Flow 1:

Average throughput: 62.75 Mbit/s

95th percentile per-packet one-way delay: 135.456 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-17 03:37:08

End at: 2018-01-17 03:37:38

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 136.356 ms

Loss rate: 0.00%

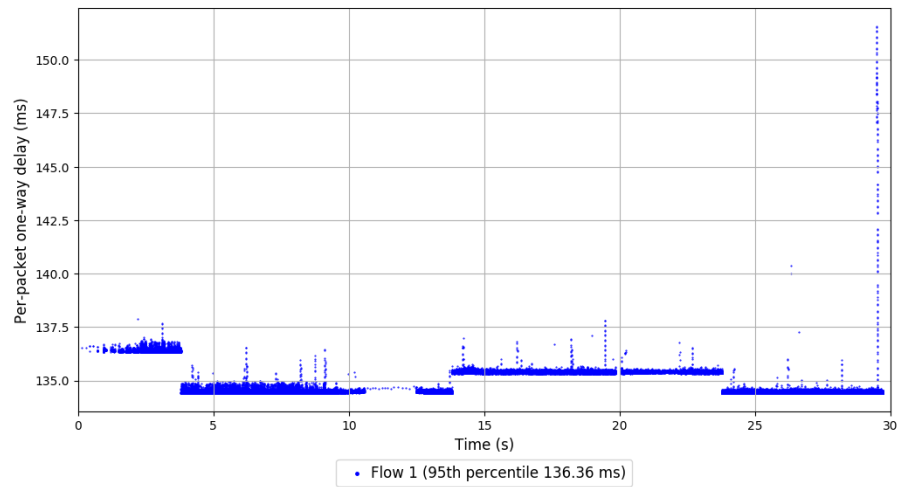
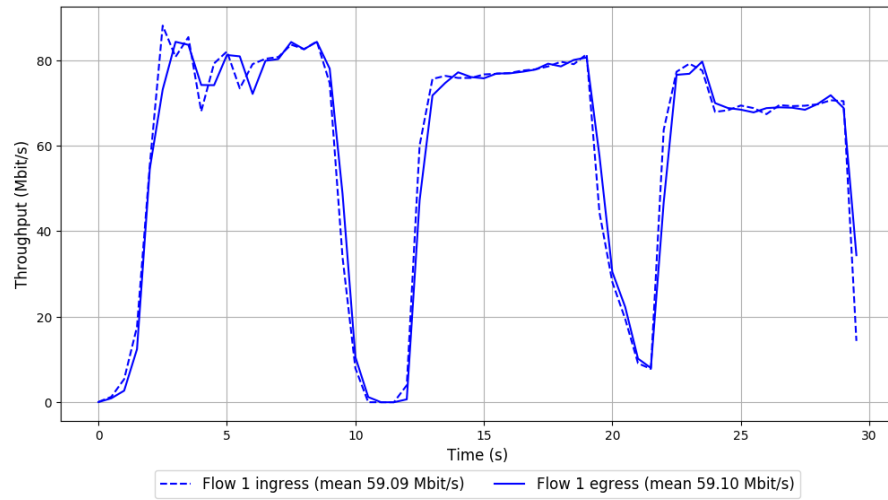
-- Flow 1:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 136.356 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

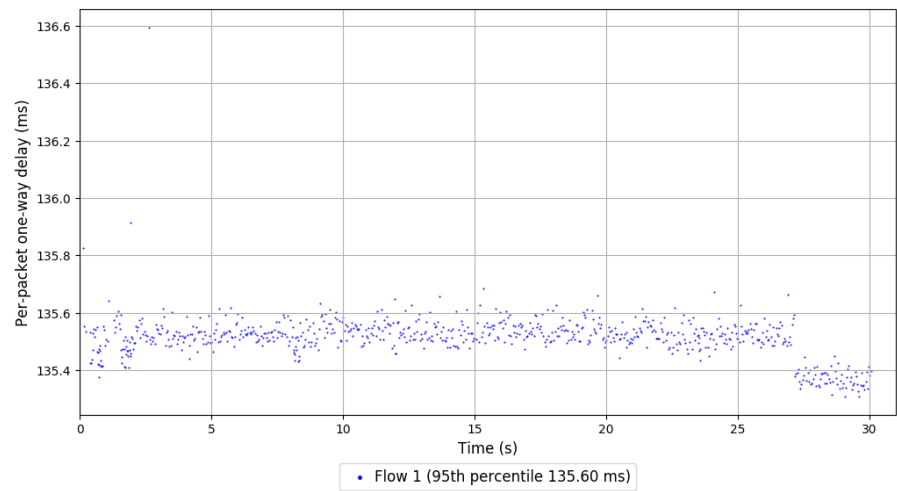
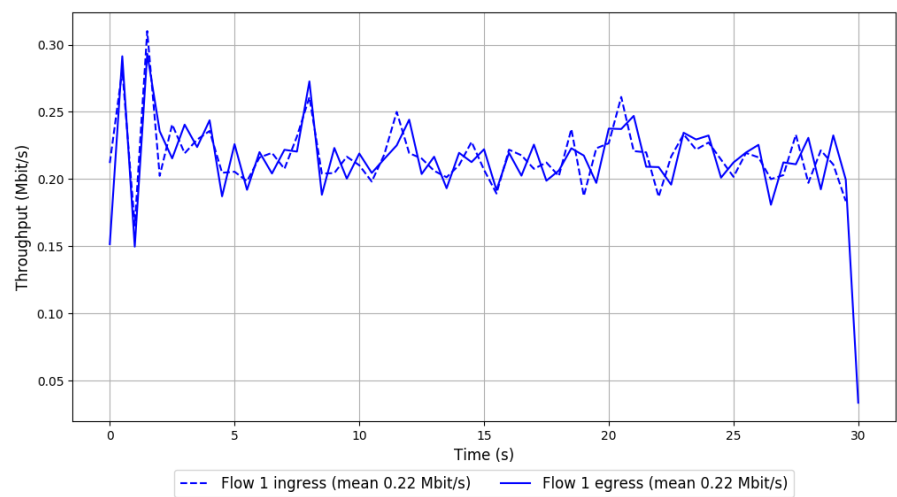


```
Run 1: Statistics of SCReAM

Start at: 2018-01-17 01:06:55
End at: 2018-01-17 01:07:25

# Below is generated by plot.py at 2018-01-17 05:10:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.597 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

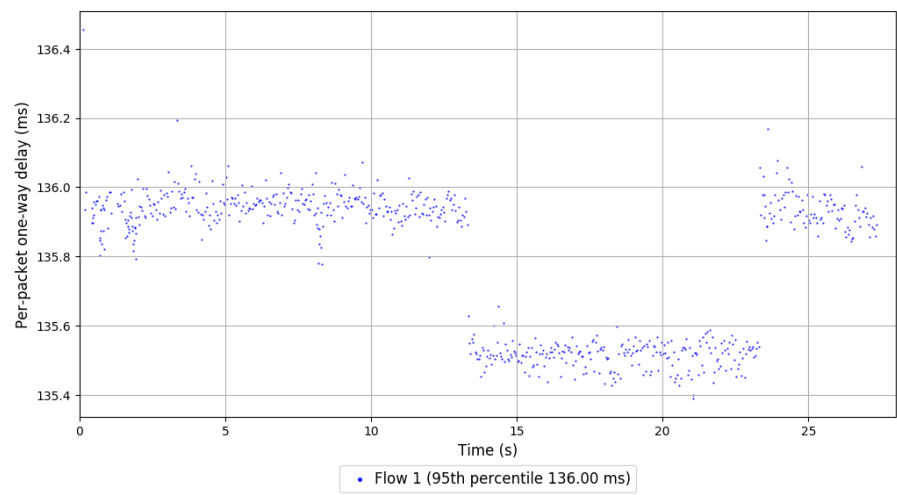
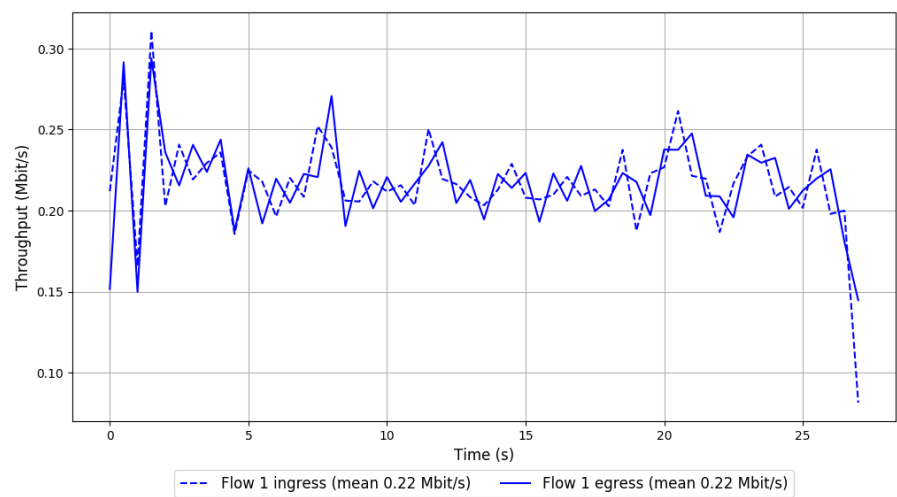


```
Run 2: Statistics of SCReAM

Start at: 2018-01-17 01:23:16
End at: 2018-01-17 01:23:46

# Below is generated by plot.py at 2018-01-17 05:10:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.005 ms
Loss rate: 0.00%
```

Run 2: Report of SCSReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-17 01:38:15

End at: 2018-01-17 01:38:45

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 161.186 ms

Loss rate: 0.07%

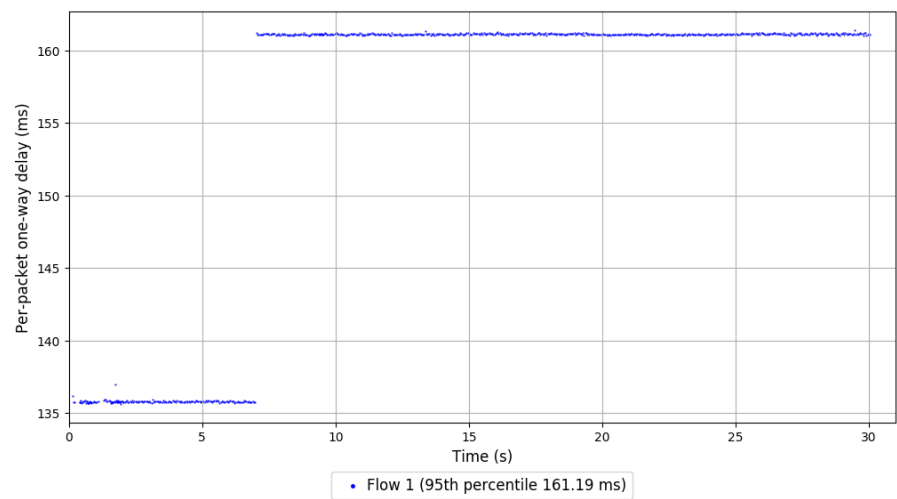
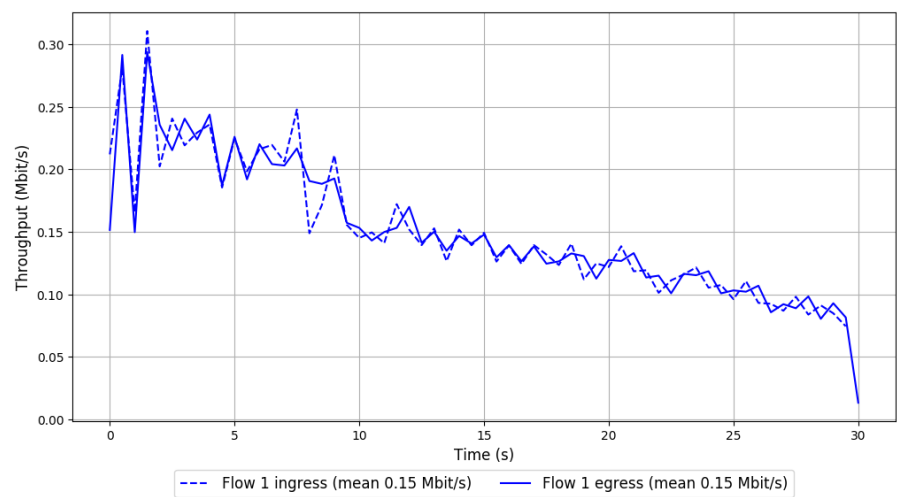
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 161.186 ms

Loss rate: 0.07%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-17 01:53:21

End at: 2018-01-17 01:53:51

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.225 ms

Loss rate: 0.00%

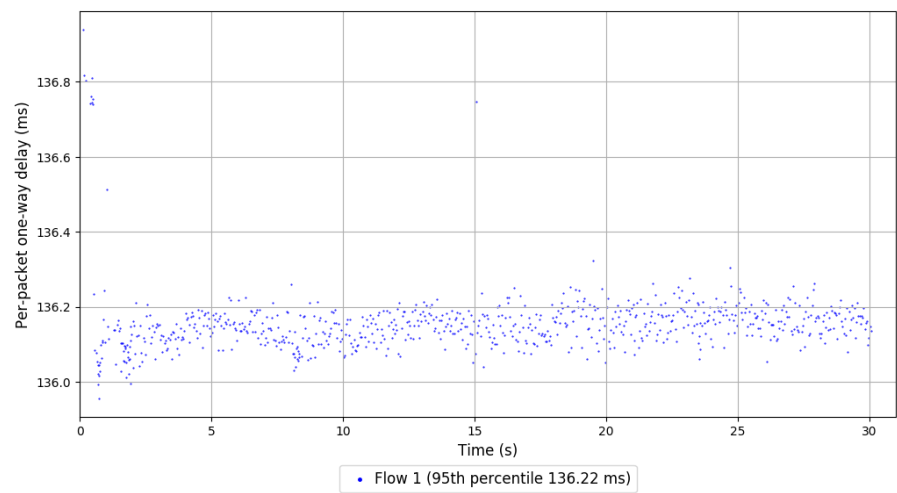
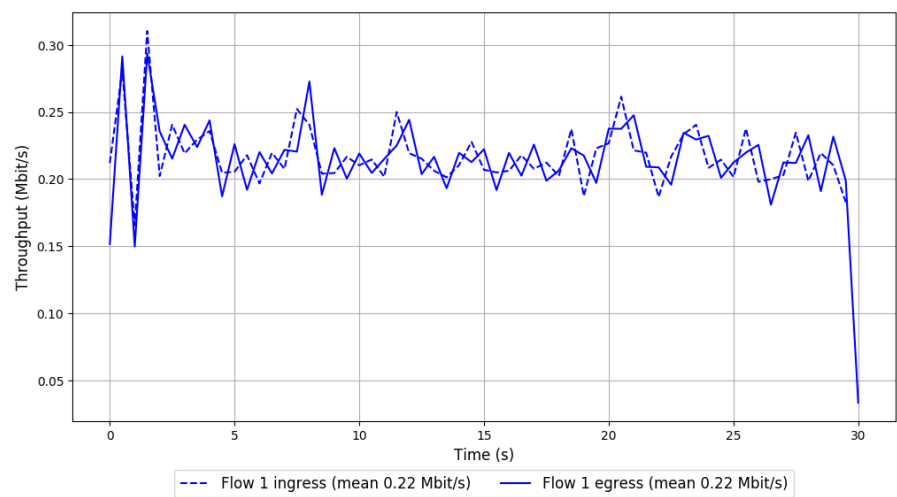
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.225 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-17 02:09:22

End at: 2018-01-17 02:09:52

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.731 ms

Loss rate: 0.00%

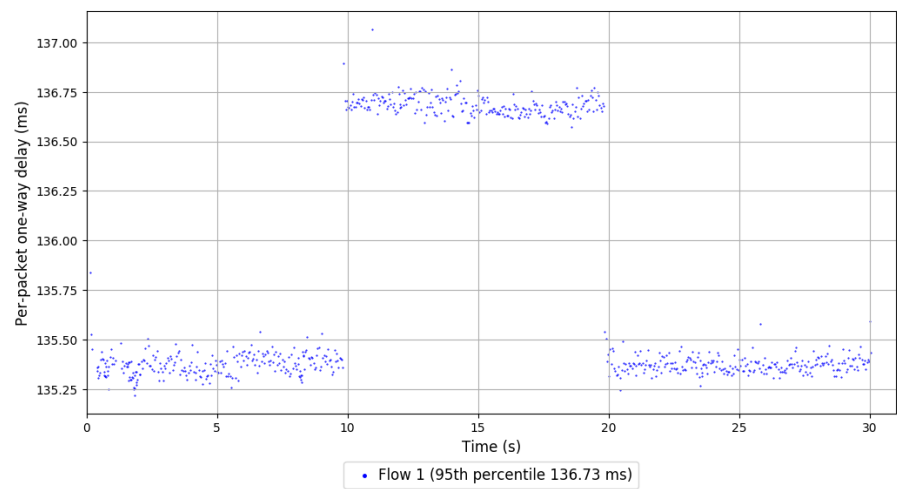
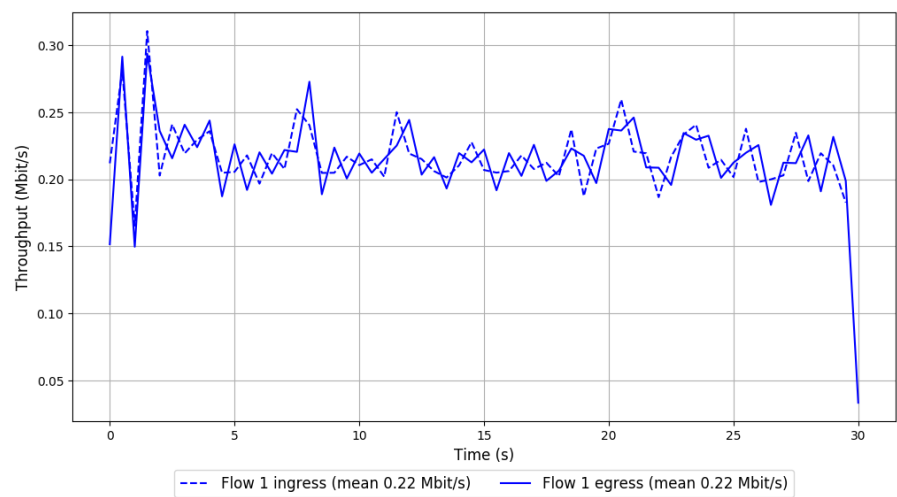
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.731 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-17 02:25:13

End at: 2018-01-17 02:25:43

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.098 ms

Loss rate: 0.00%

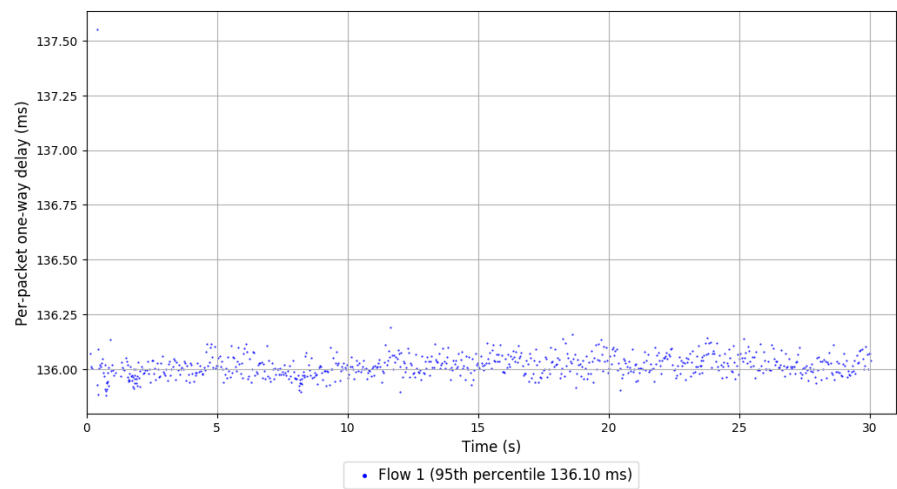
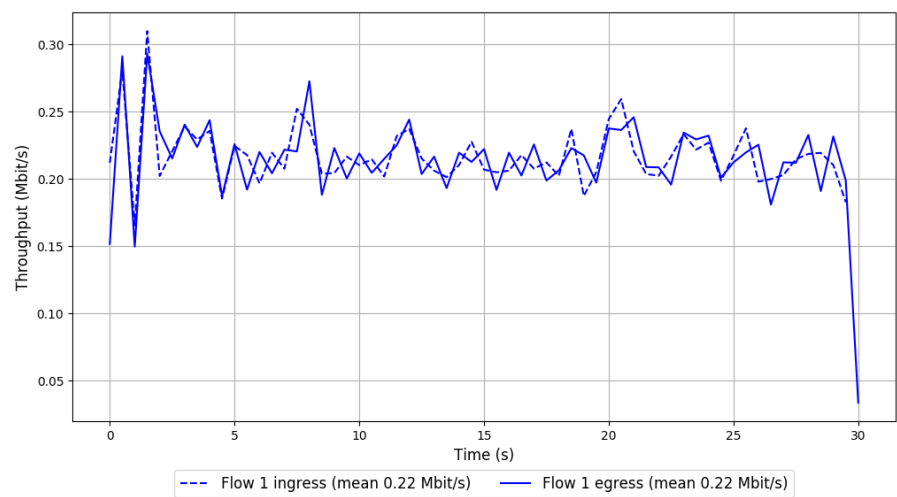
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.098 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-17 02:41:07

End at: 2018-01-17 02:41:37

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.621 ms

Loss rate: 0.00%

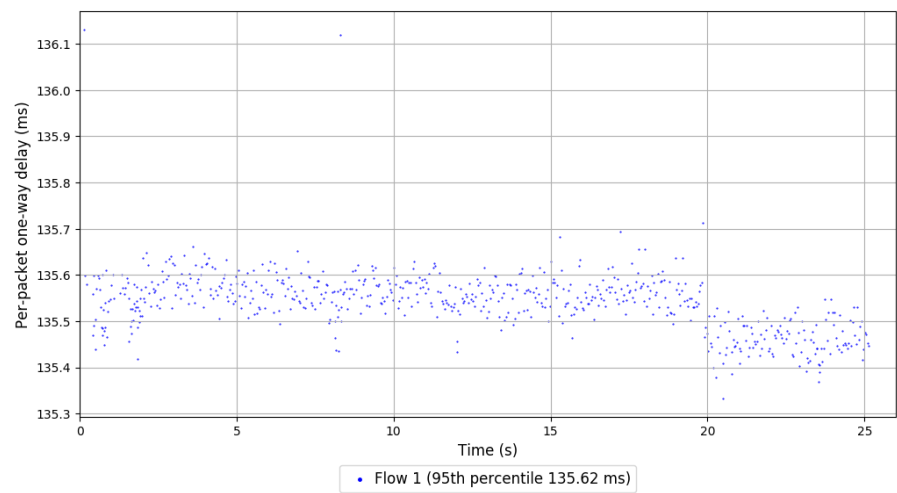
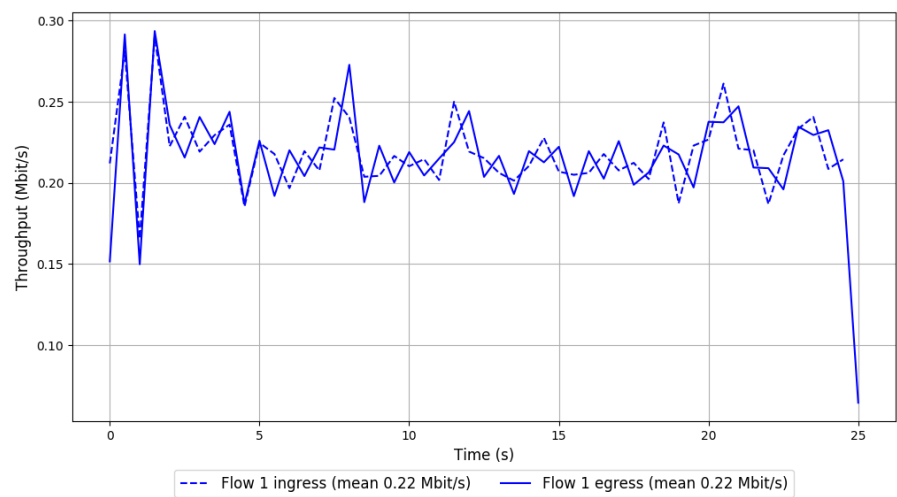
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.621 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-17 02:57:18

End at: 2018-01-17 02:57:48

Below is generated by plot.py at 2018-01-17 05:10:04

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%

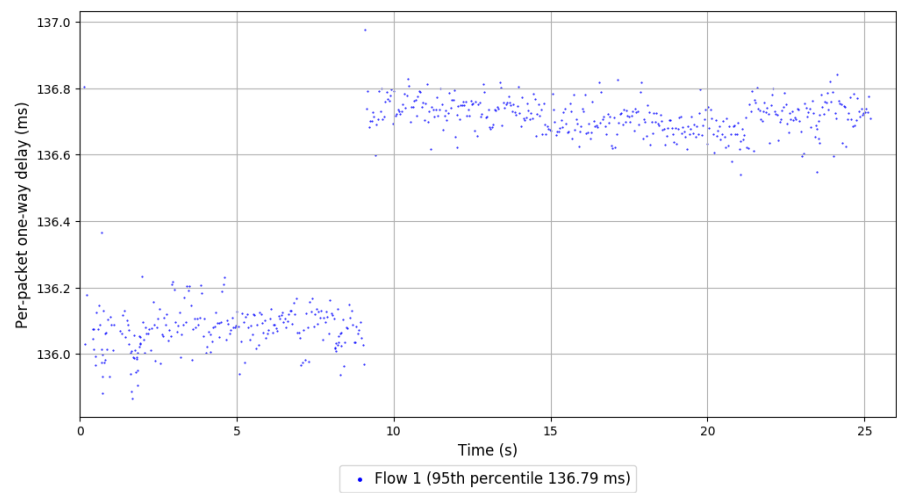
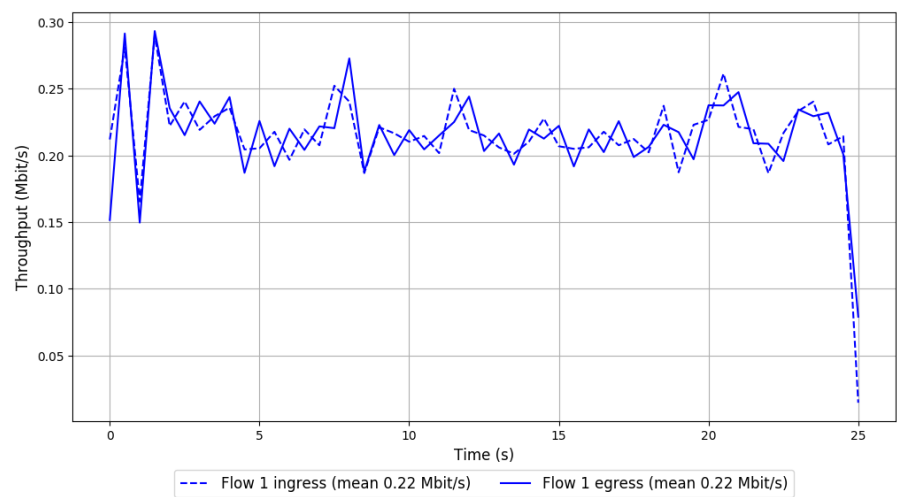
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-17 03:13:23

End at: 2018-01-17 03:13:53

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.002 ms

Loss rate: 0.00%

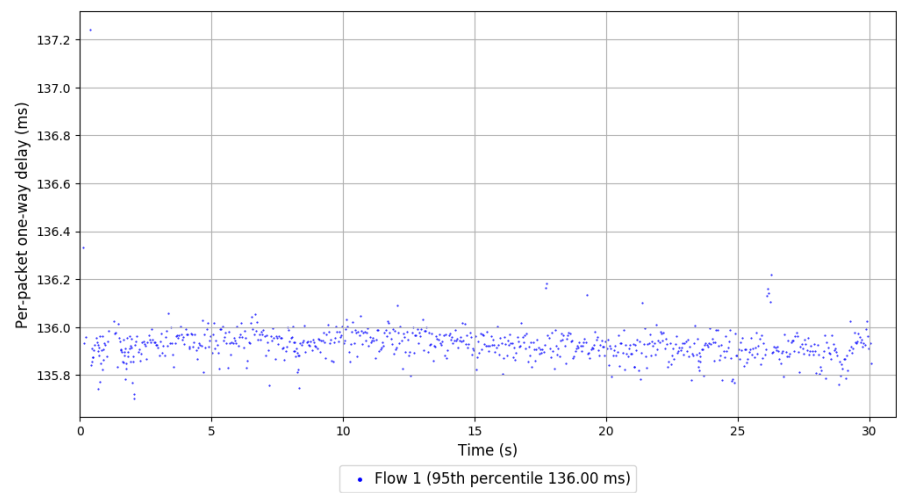
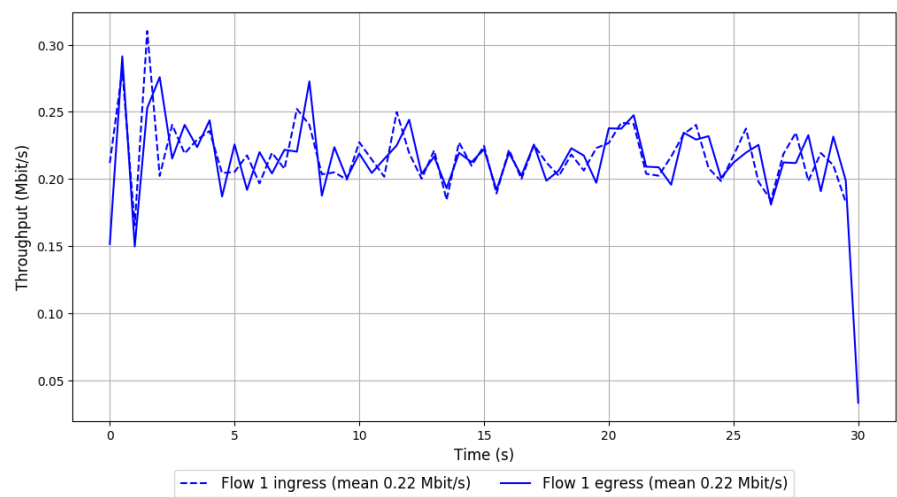
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.002 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-01-17 03:29:41

End at: 2018-01-17 03:30:11

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

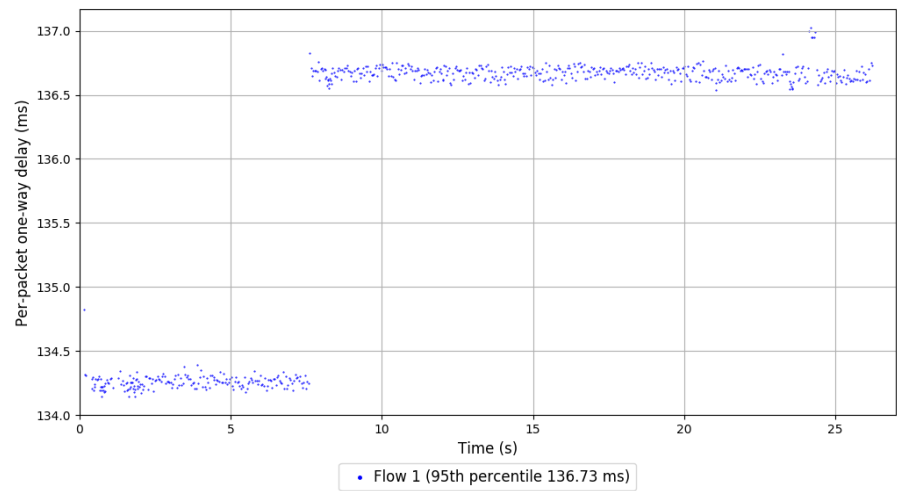
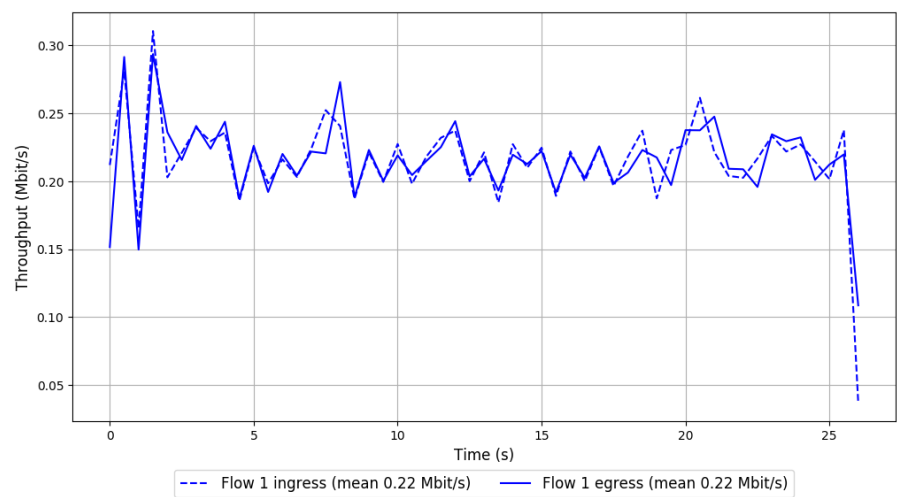
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

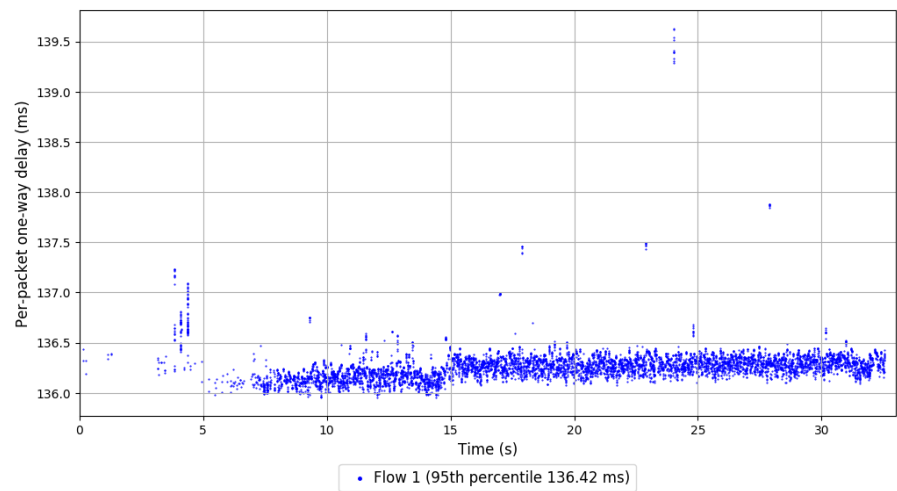
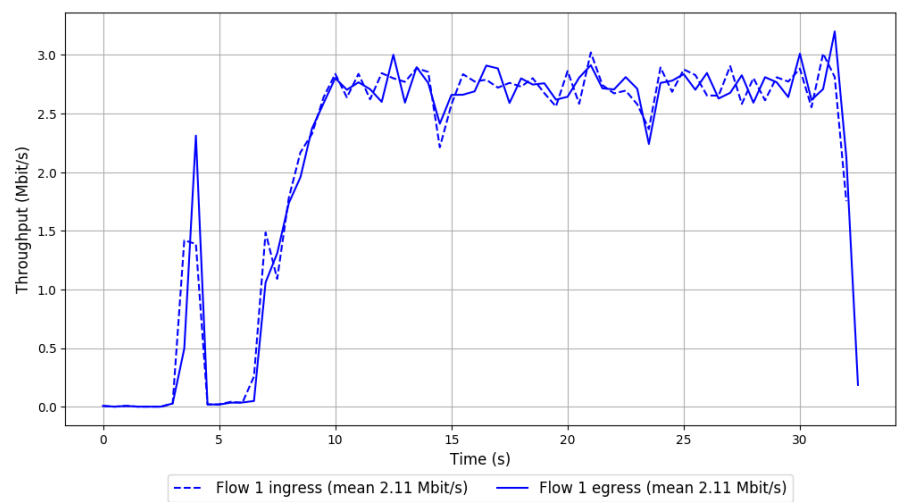


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-17 01:12:10
End at: 2018-01-17 01:12:40

# Below is generated by plot.py at 2018-01-17 05:10:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 136.423 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 136.423 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-17 01:27:56

End at: 2018-01-17 01:28:26

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.493 ms

Loss rate: 0.00%

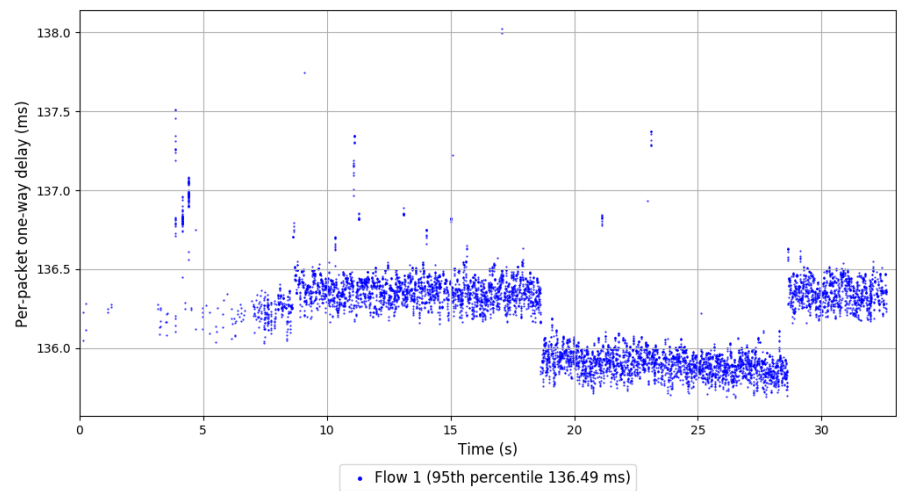
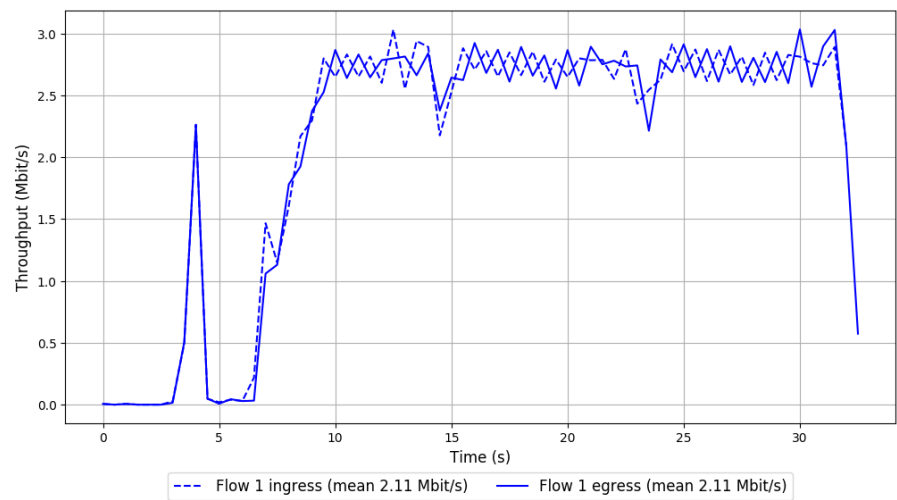
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.493 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-17 01:42:50

End at: 2018-01-17 01:43:20

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.500 ms

Loss rate: 0.00%

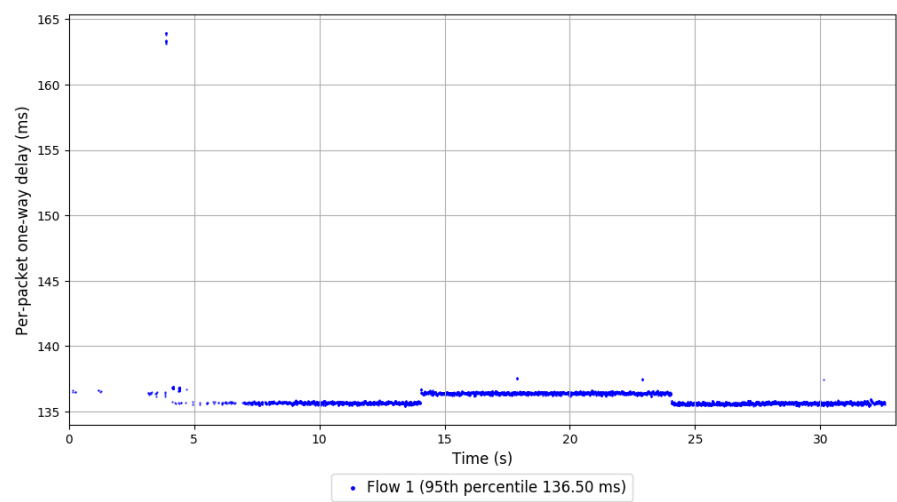
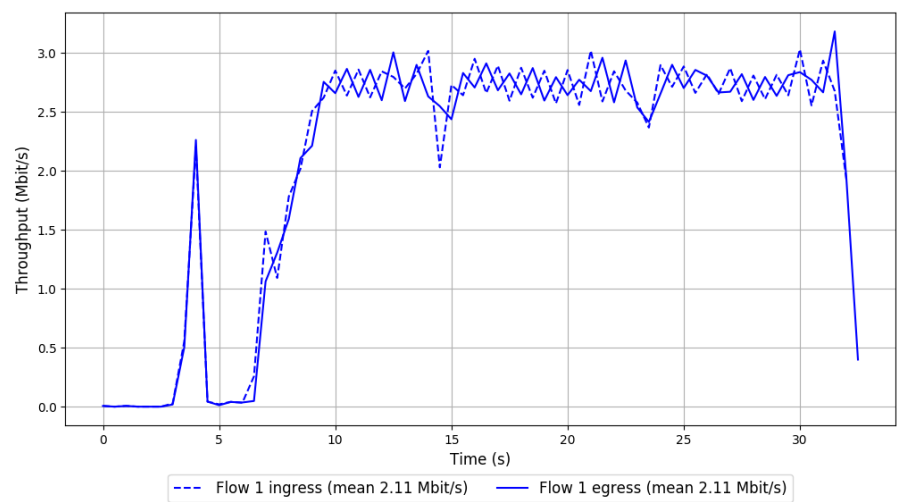
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.500 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-17 01:58:27

End at: 2018-01-17 01:58:57

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.582 ms

Loss rate: 0.00%

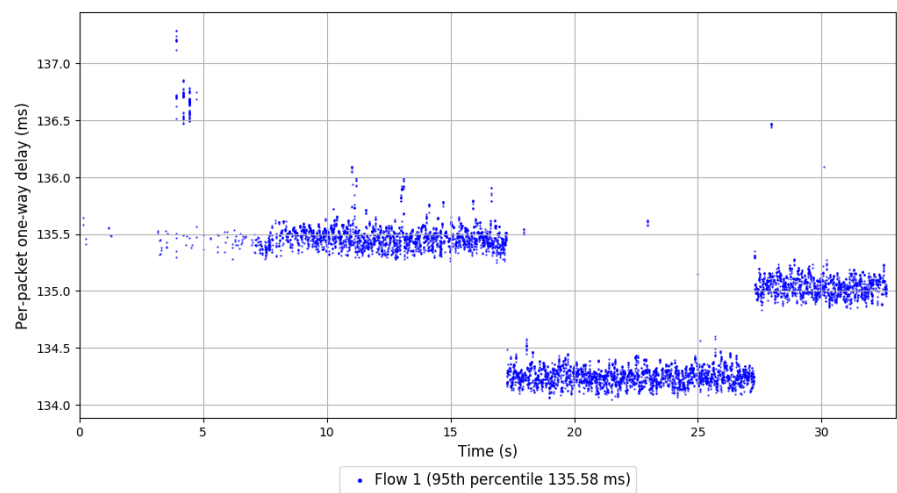
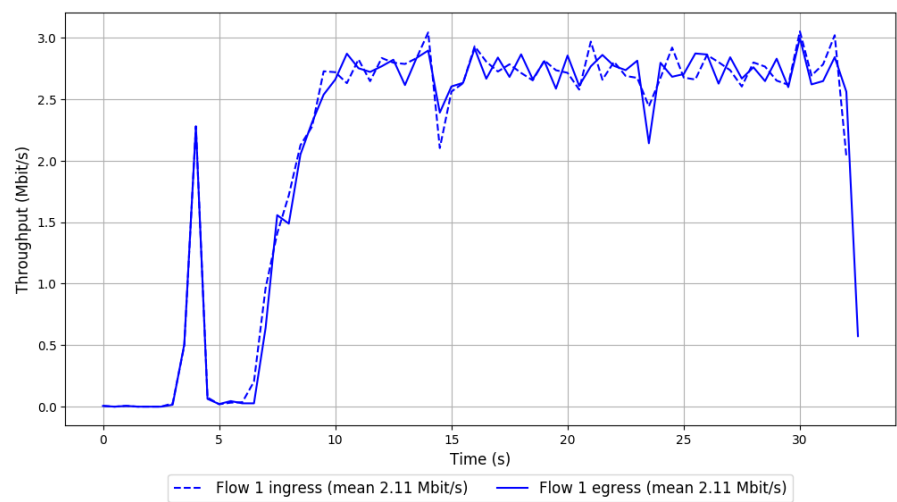
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.582 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-17 02:14:30

End at: 2018-01-17 02:15:00

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.935 ms

Loss rate: 0.00%

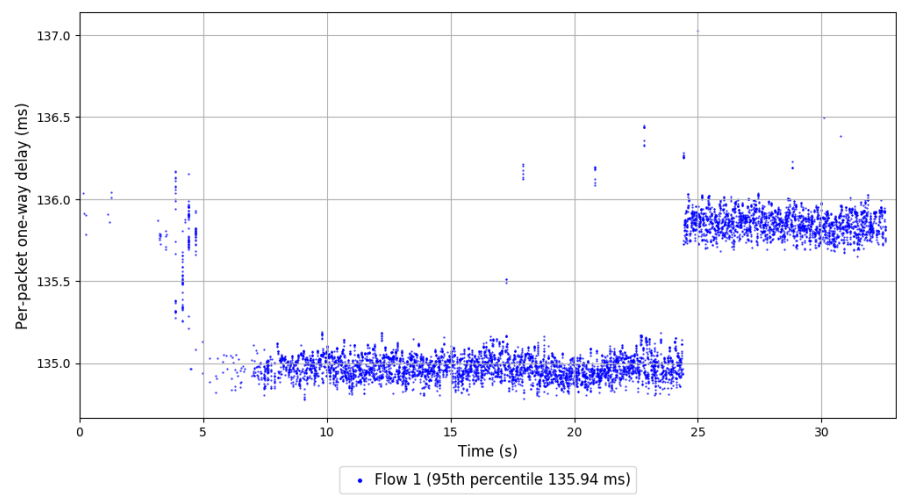
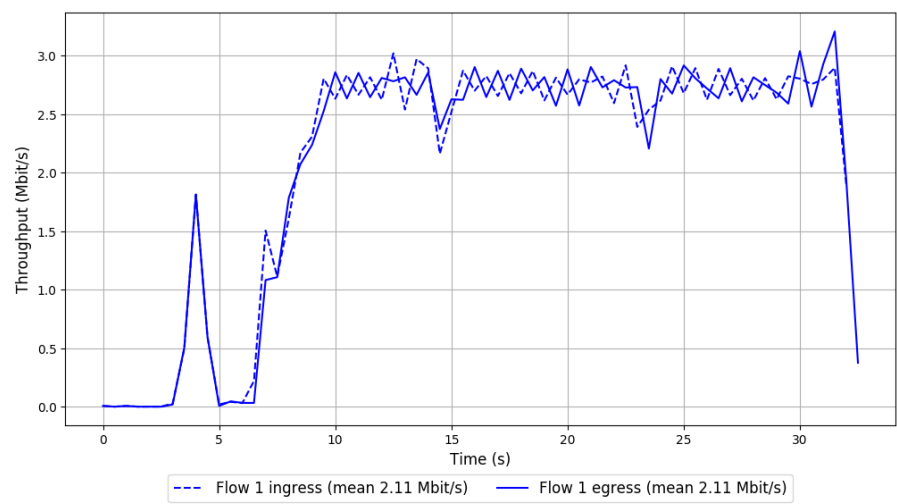
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 135.935 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-17 02:30:35

End at: 2018-01-17 02:31:05

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.963 ms

Loss rate: 0.00%

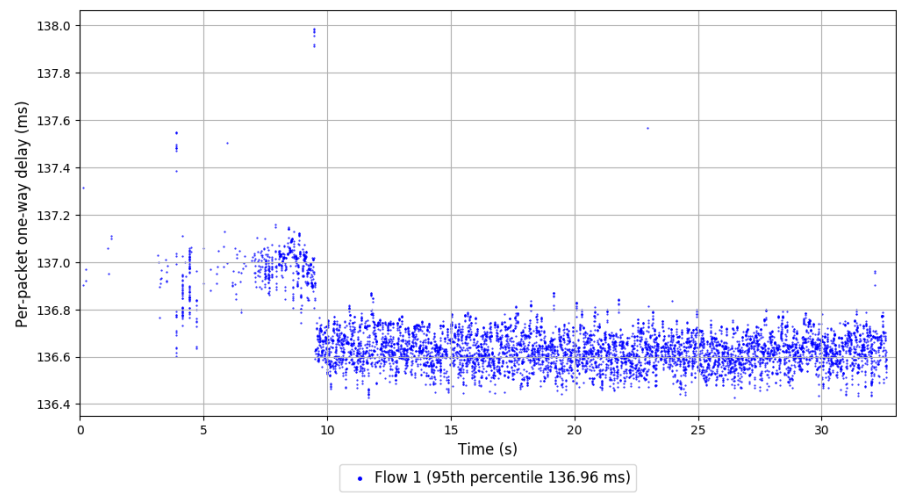
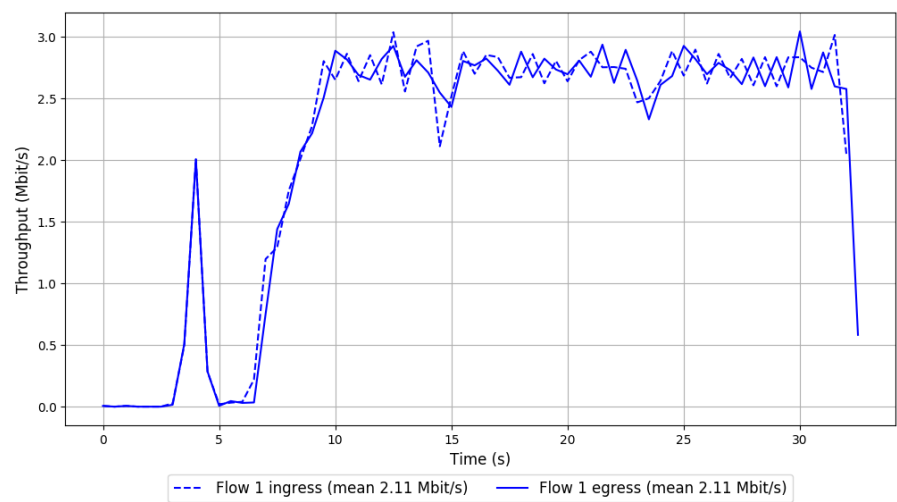
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.963 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-17 02:46:18

End at: 2018-01-17 02:46:48

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.379 ms

Loss rate: 0.00%

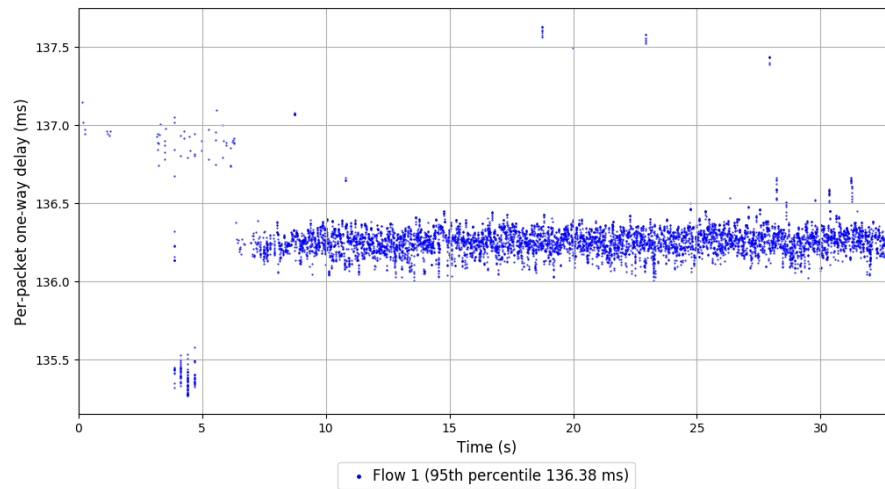
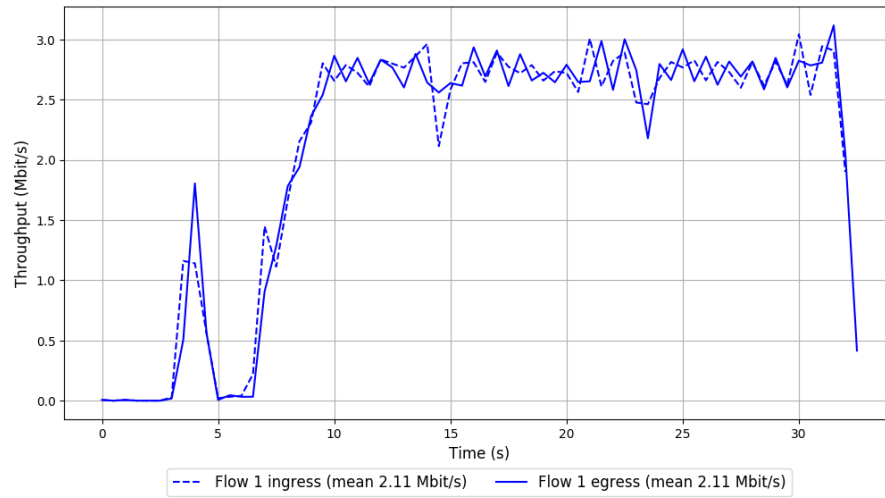
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.379 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-17 03:02:23

End at: 2018-01-17 03:02:53

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 135.563 ms

Loss rate: 0.00%

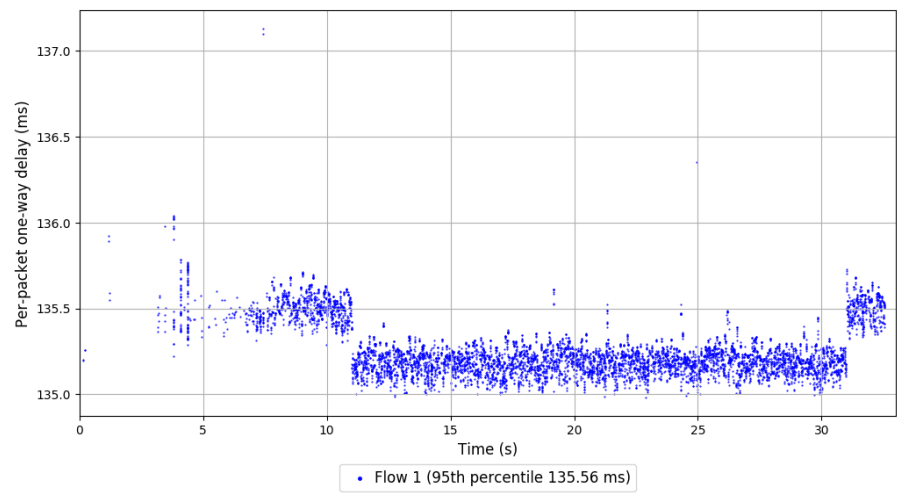
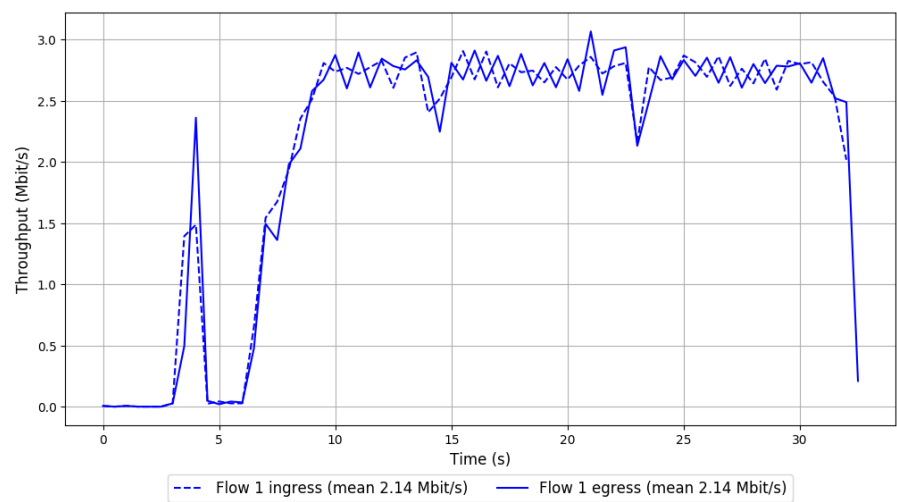
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 135.563 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-17 03:18:39

End at: 2018-01-17 03:19:09

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.579 ms

Loss rate: 0.00%

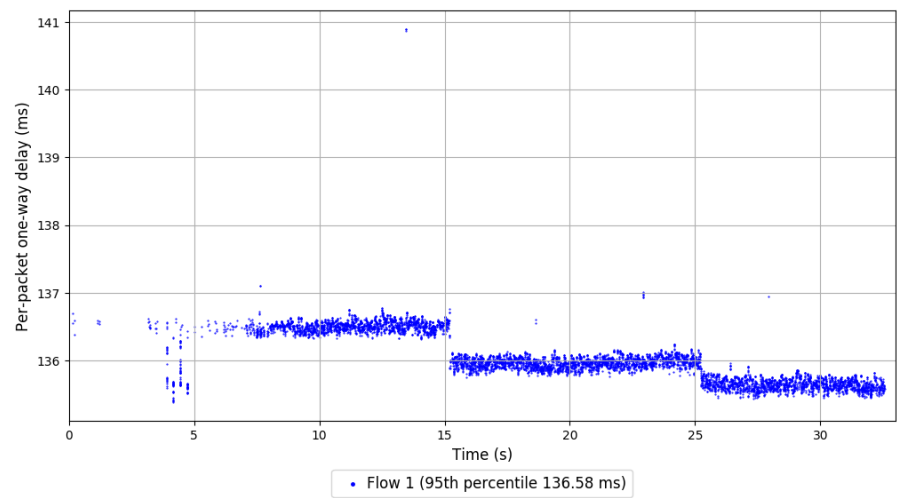
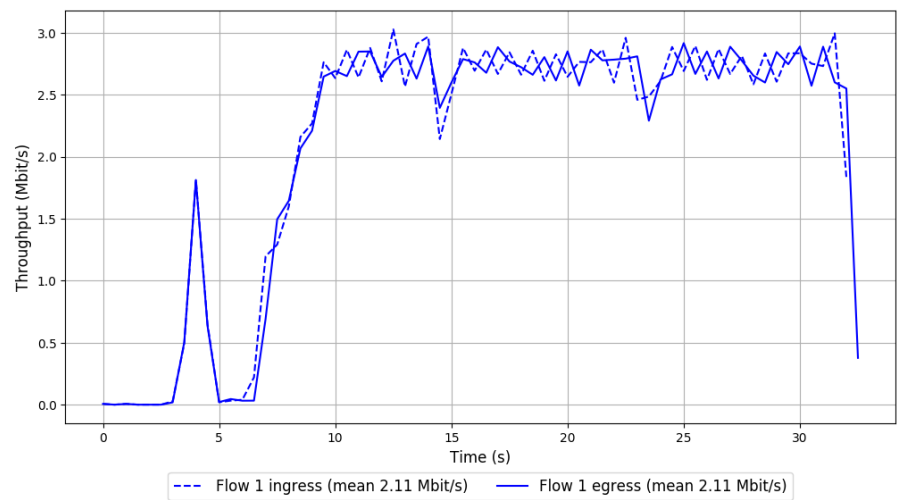
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.579 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-17 03:35:02

End at: 2018-01-17 03:35:32

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 134.654 ms

Loss rate: 0.00%

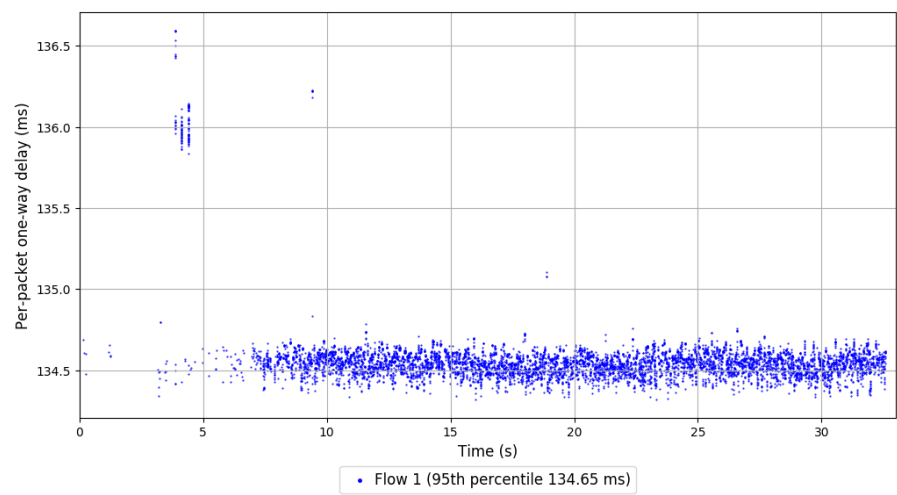
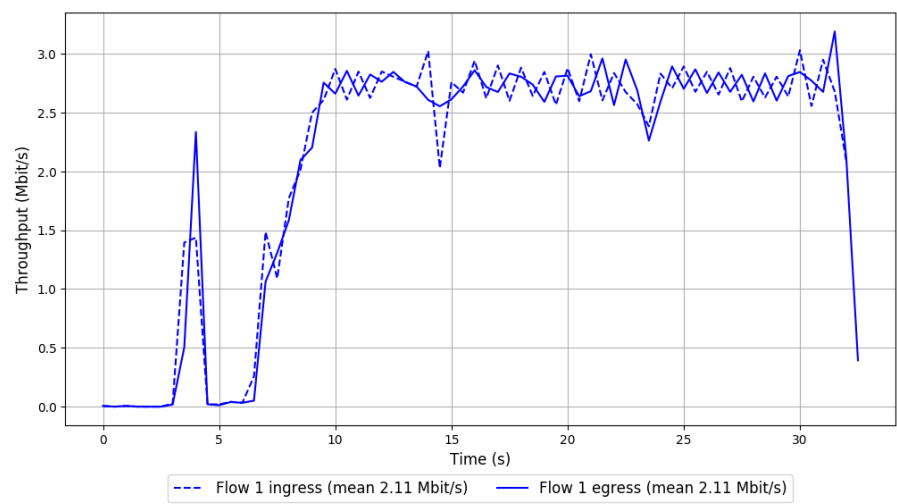
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 134.654 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-01-17 00:59:21

End at: 2018-01-17 00:59:51

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.758 ms

Loss rate: 0.00%

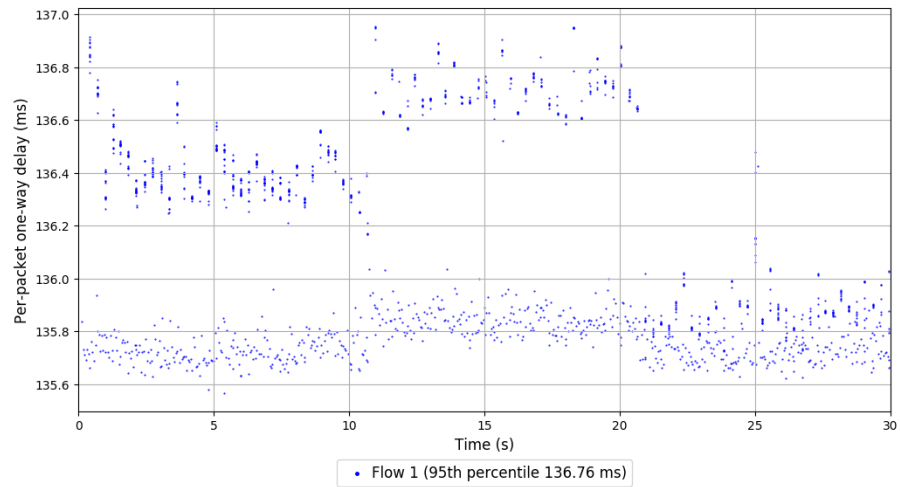
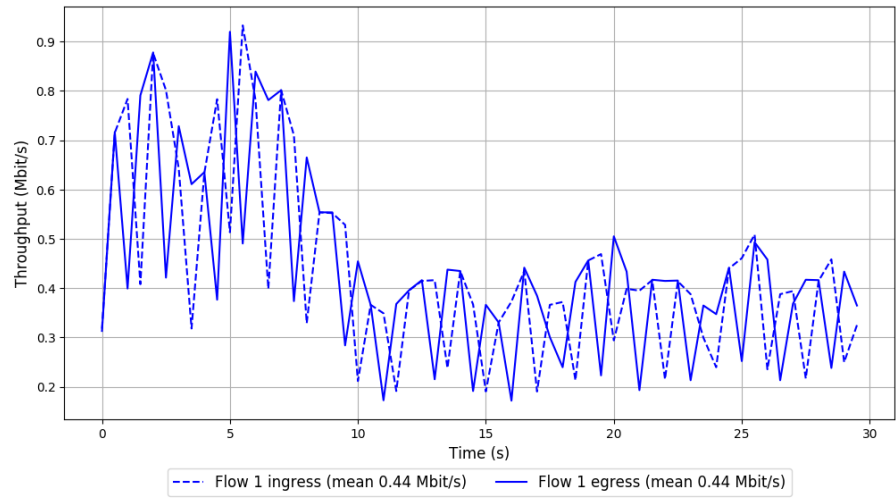
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.758 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-17 01:15:05

End at: 2018-01-17 01:15:35

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.579 ms

Loss rate: 0.00%

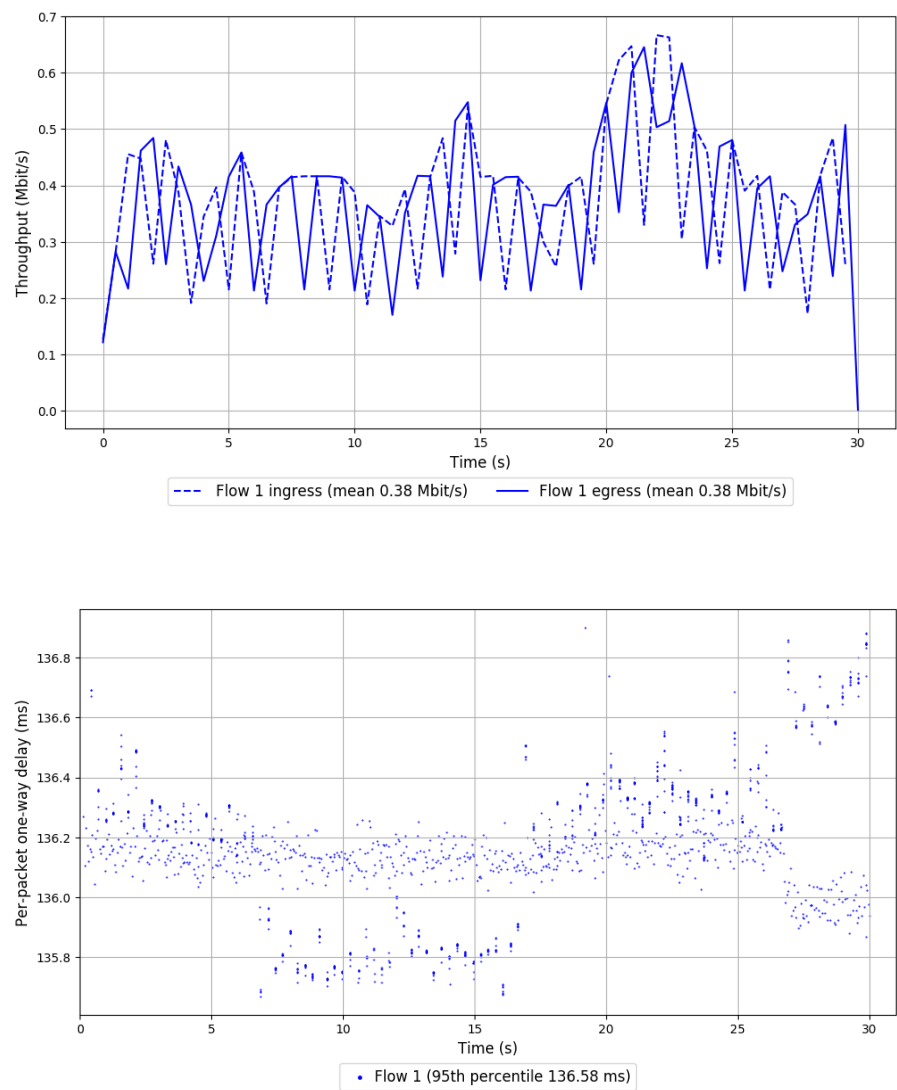
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.579 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-17 01:30:50

End at: 2018-01-17 01:31:20

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 163.461 ms

Loss rate: 0.00%

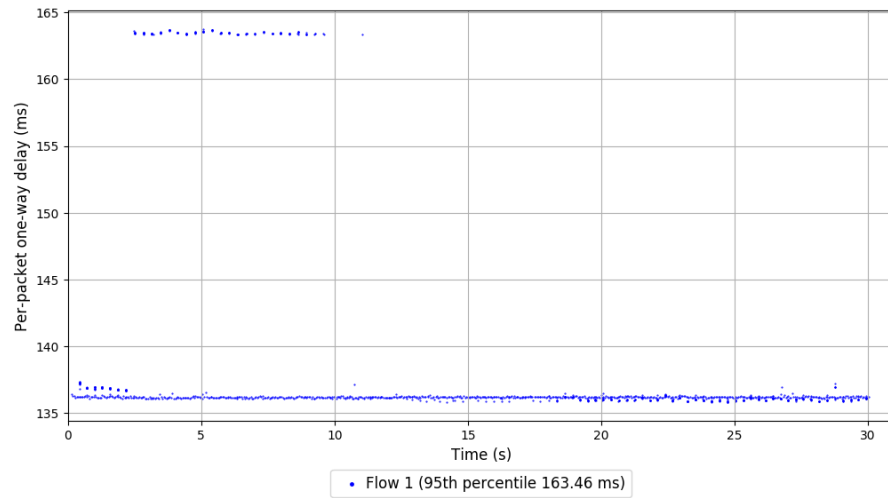
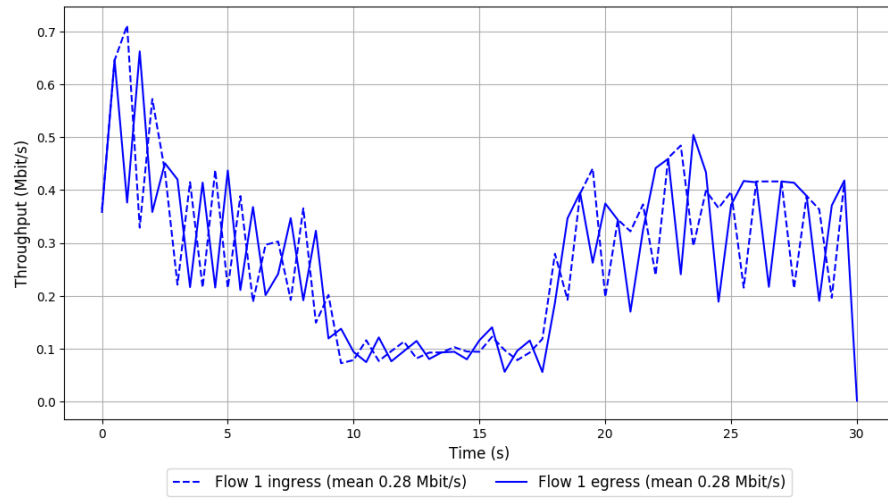
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 163.461 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-17 01:45:46

End at: 2018-01-17 01:46:16

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 163.530 ms

Loss rate: 0.00%

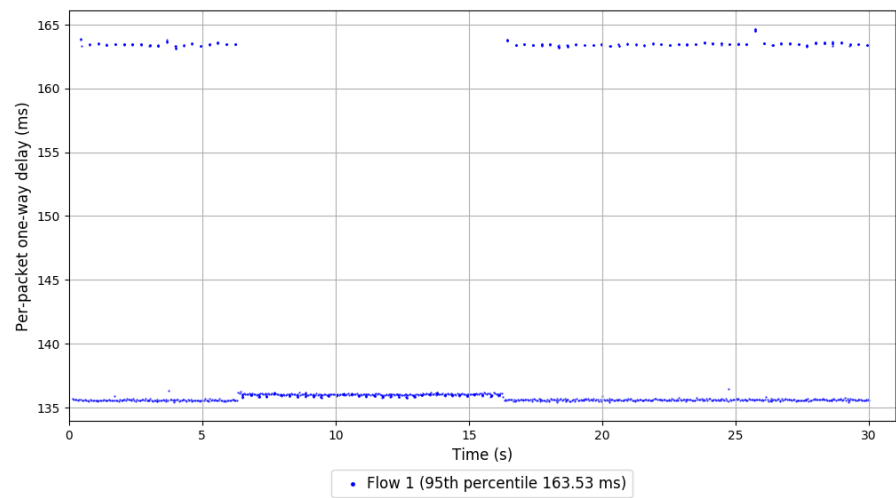
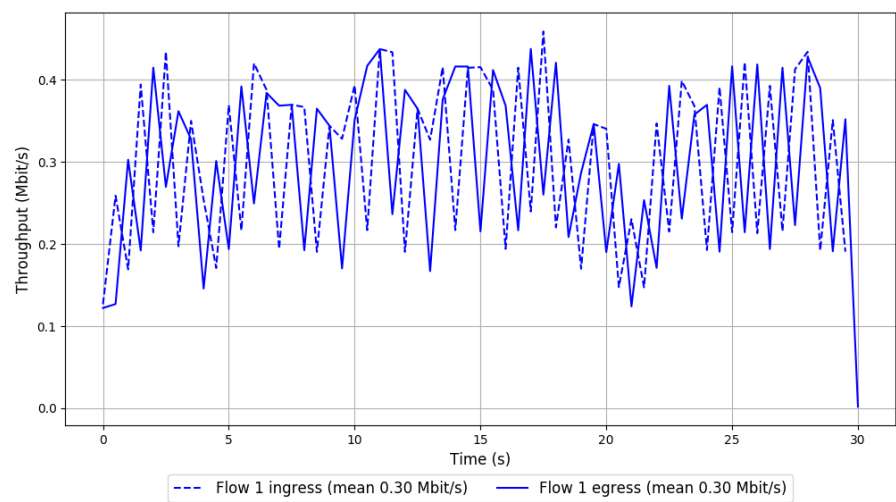
-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 163.530 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-17 02:01:23

End at: 2018-01-17 02:01:53

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.166 ms

Loss rate: 0.00%

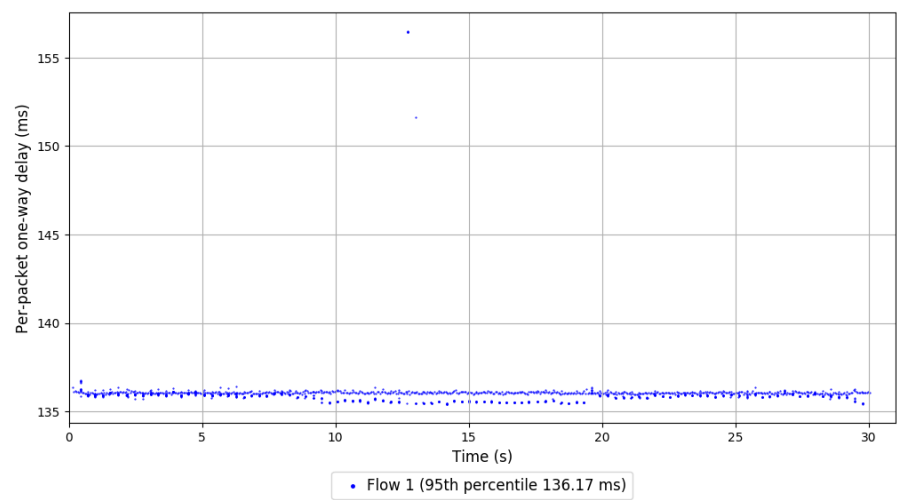
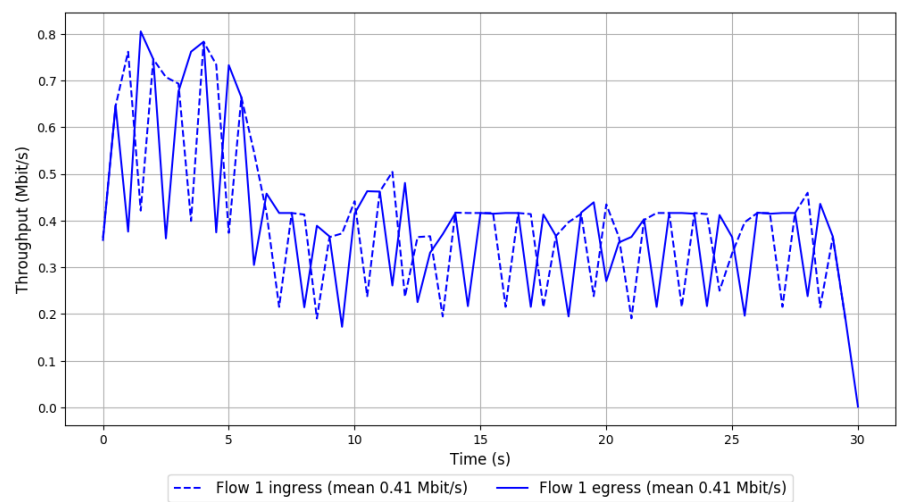
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.166 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-17 02:17:25

End at: 2018-01-17 02:17:55

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 136.825 ms

Loss rate: 0.00%

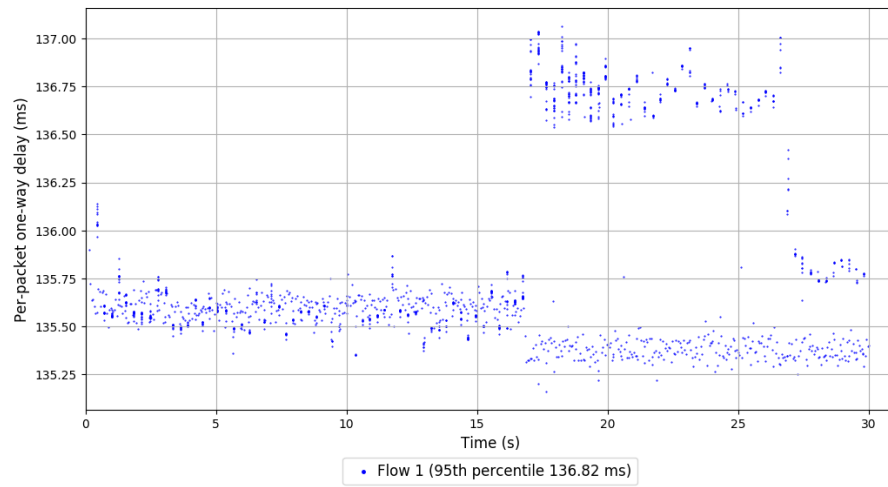
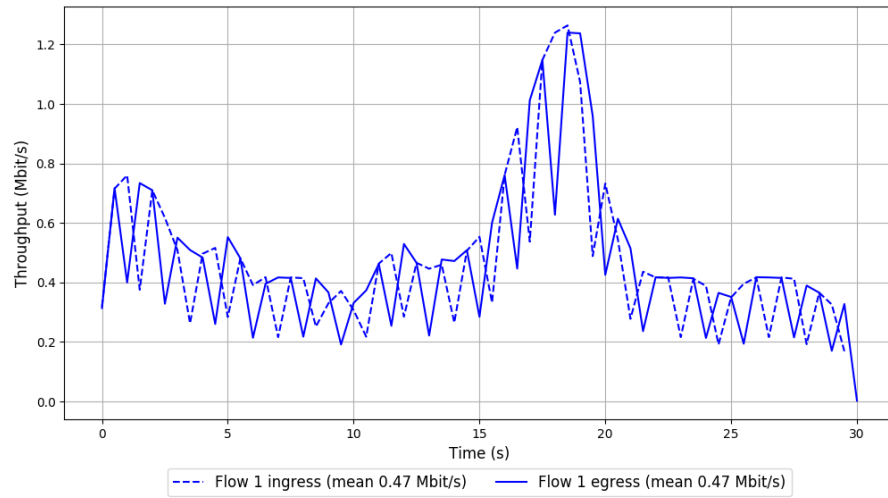
-- Flow 1:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 136.825 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-17 02:33:30

End at: 2018-01-17 02:34:00

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.878 ms

Loss rate: 0.00%

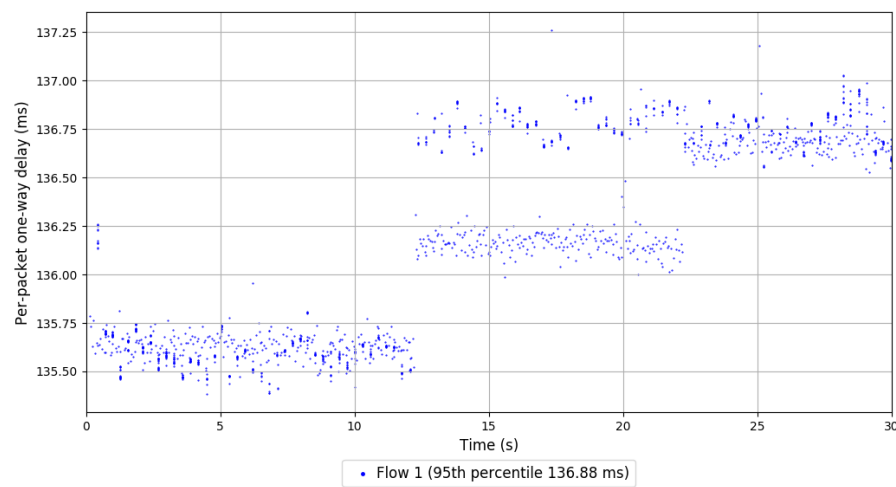
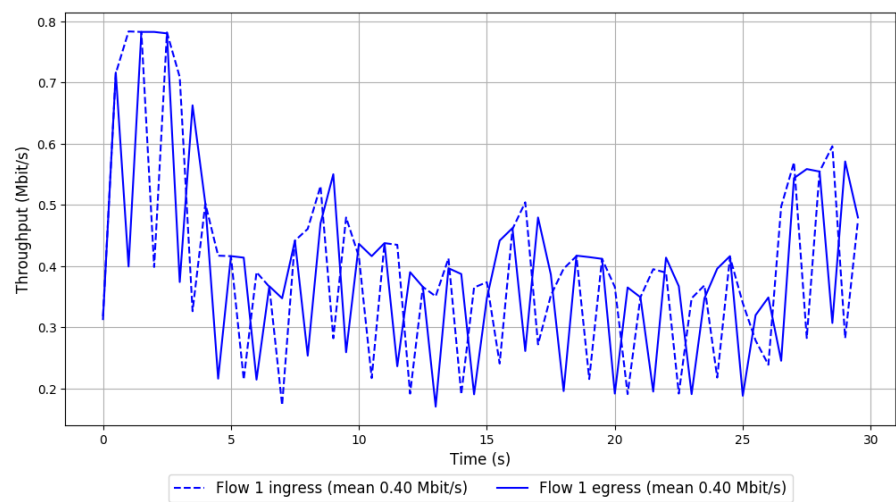
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.878 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-17 02:49:13

End at: 2018-01-17 02:49:43

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.713 ms

Loss rate: 0.00%

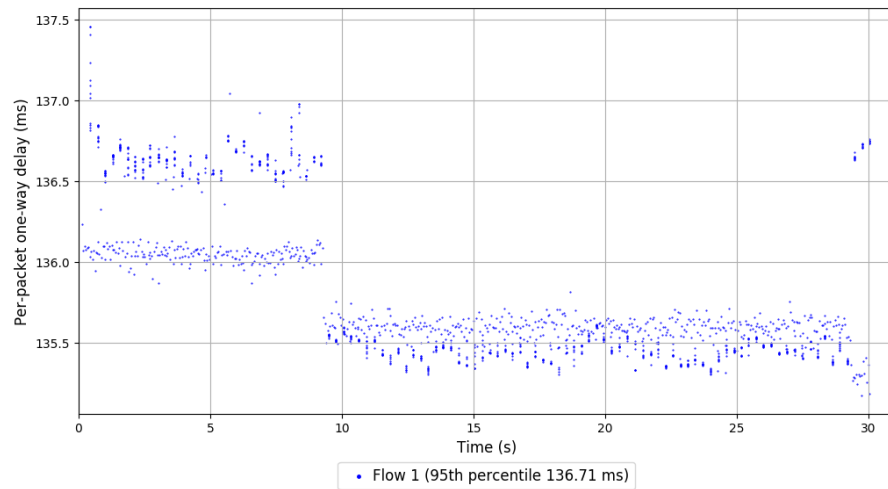
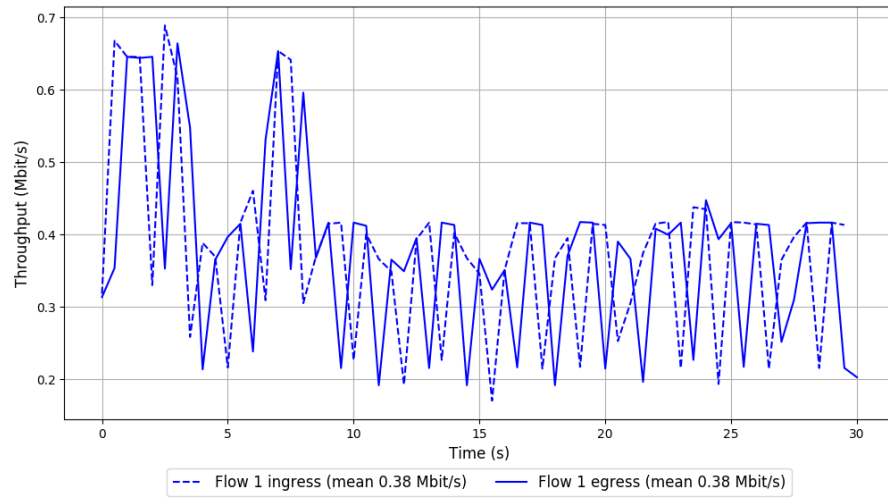
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.713 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-17 03:05:19

End at: 2018-01-17 03:05:49

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.662 ms

Loss rate: 0.00%

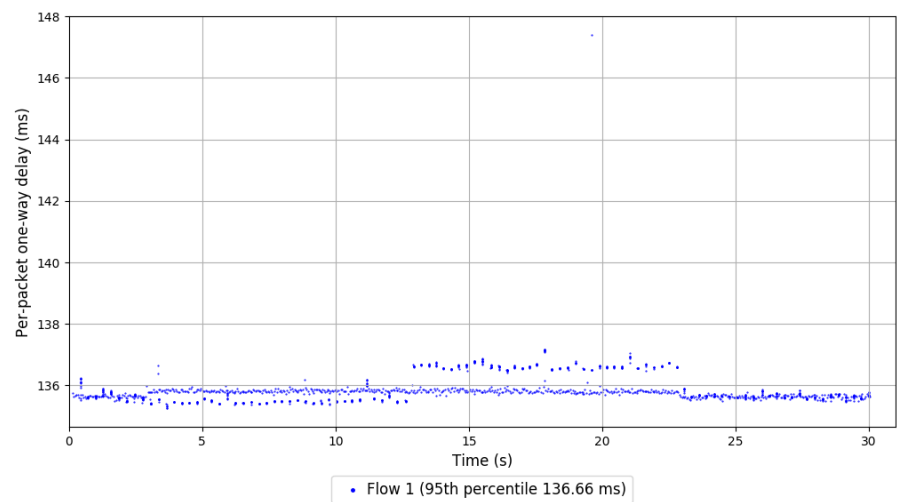
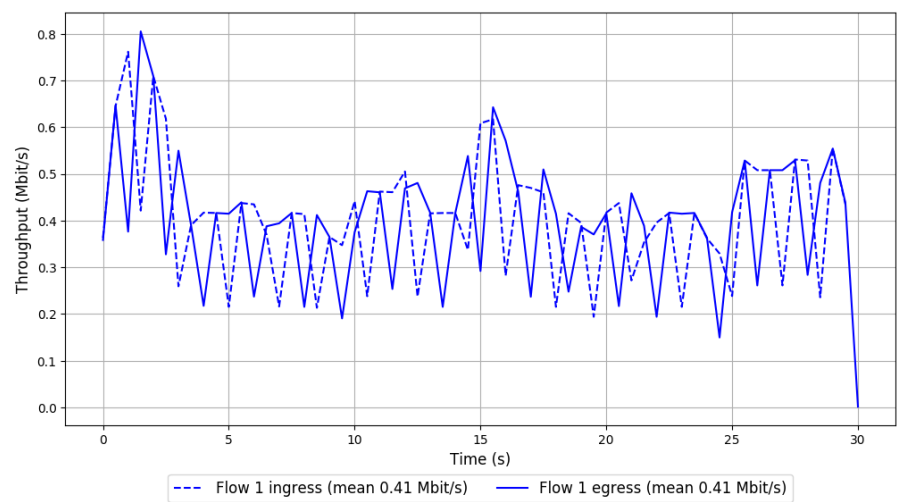
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.662 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-17 03:21:35

End at: 2018-01-17 03:22:05

Below is generated by plot.py at 2018-01-17 05:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.45 Mbit/s

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

Loss rate: 0.00%

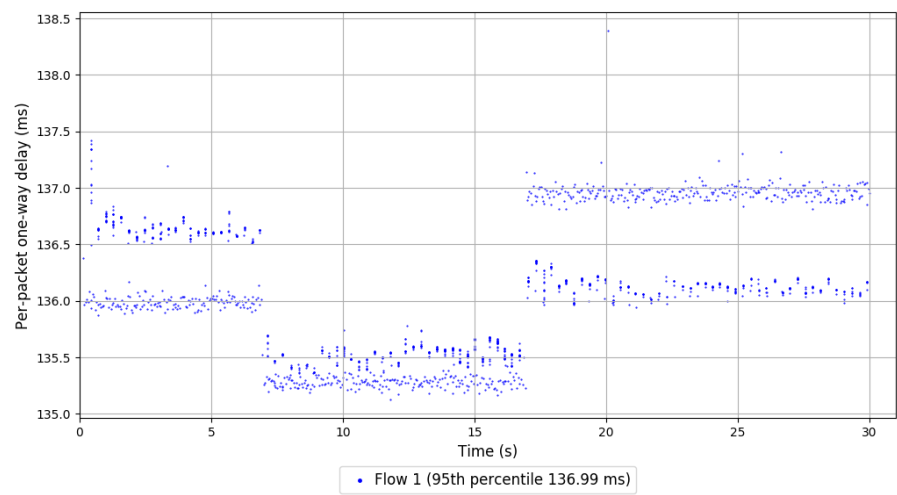
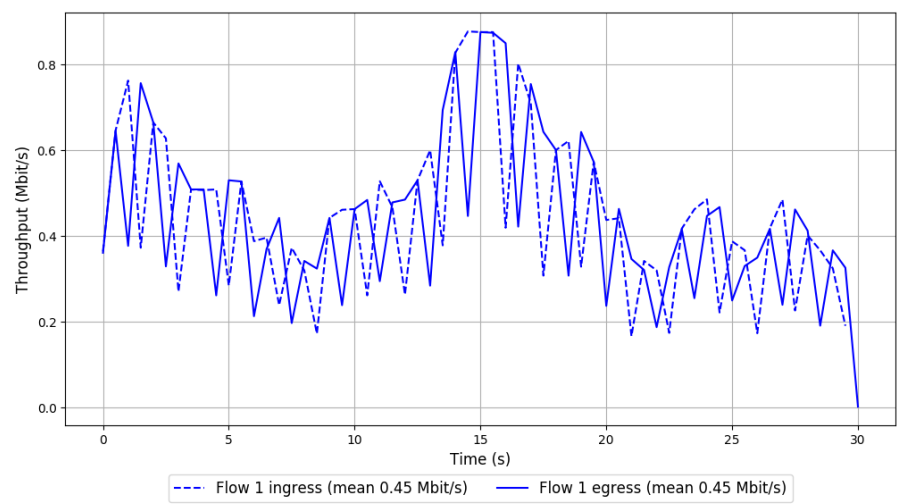
-- Flow 1:

Average throughput: 0.45 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

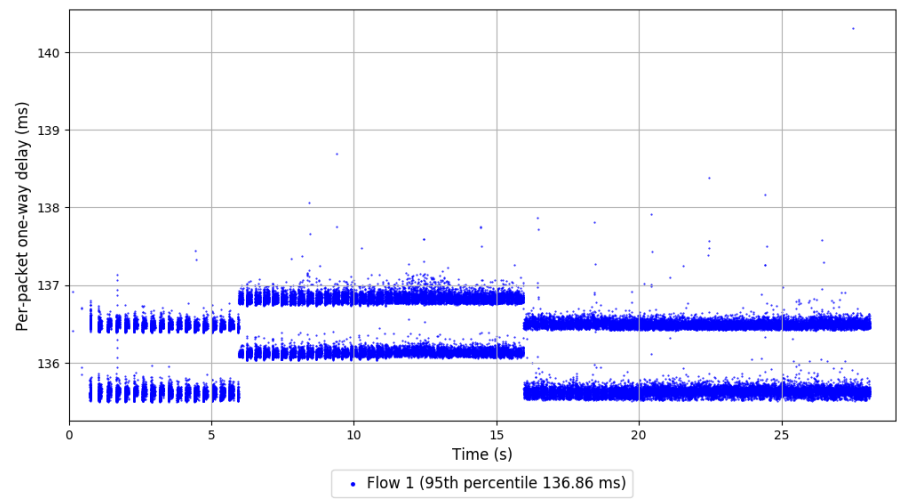
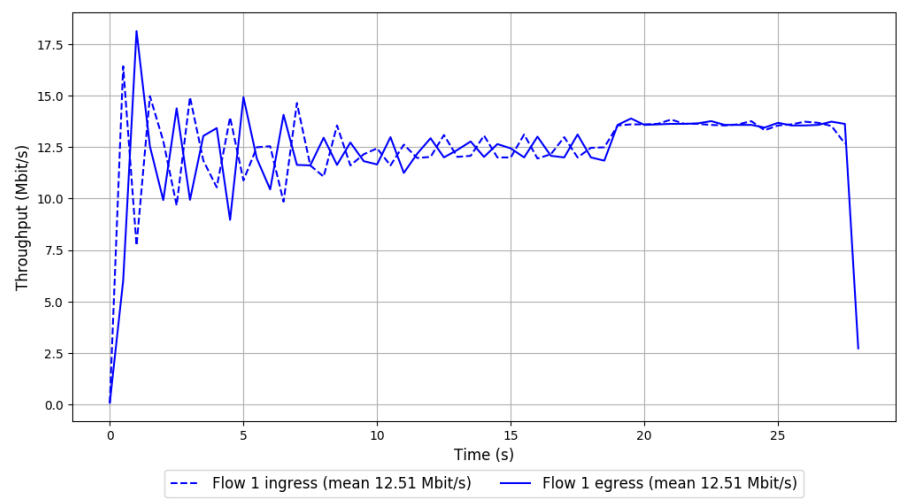


```
Run 1: Statistics of TaoVA-100x

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

# Below is generated by plot.py at 2018-01-17 05:10:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 136.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 136.861 ms
Loss rate: 0.00%
```


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

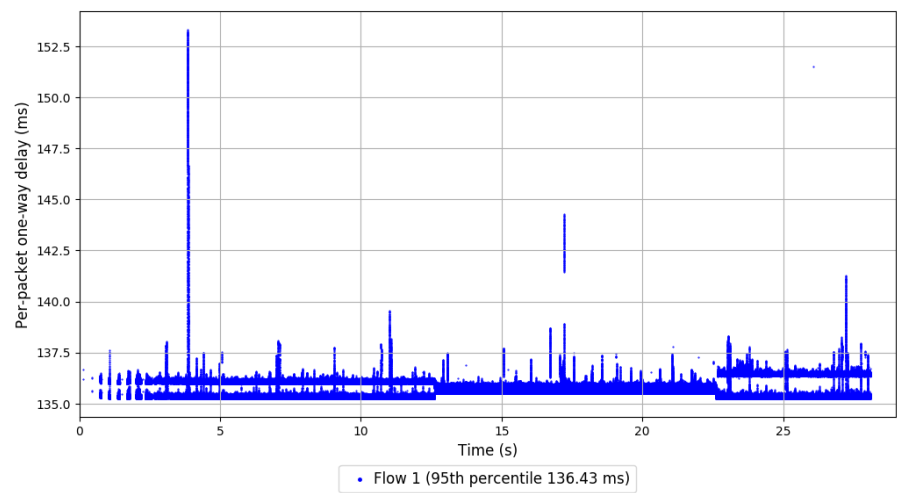
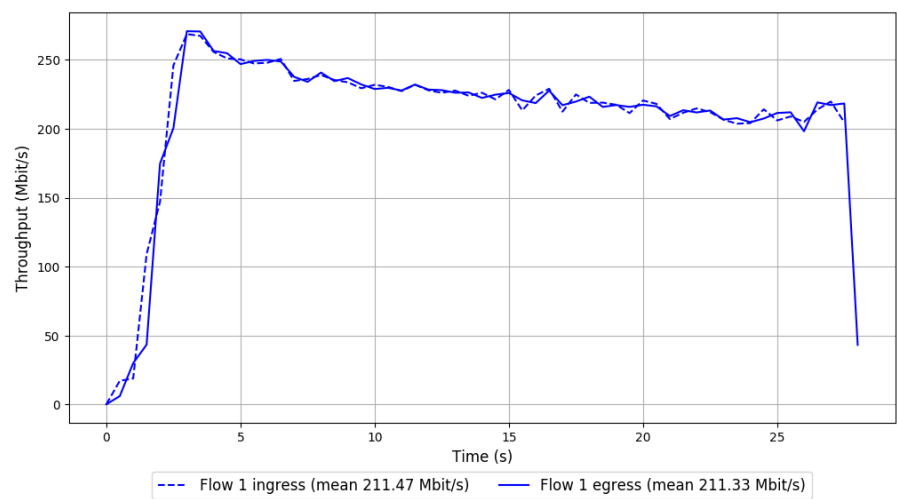


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-17 01:15:47
End at: 2018-01-17 01:16:17

# Below is generated by plot.py at 2018-01-17 05:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.33 Mbit/s
95th percentile per-packet one-way delay: 136.428 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 211.33 Mbit/s
95th percentile per-packet one-way delay: 136.428 ms
Loss rate: 0.06%
```

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

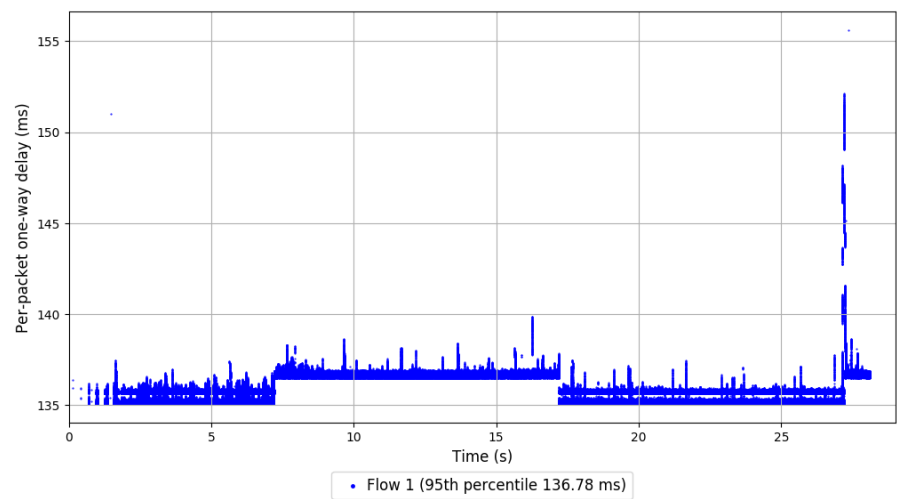
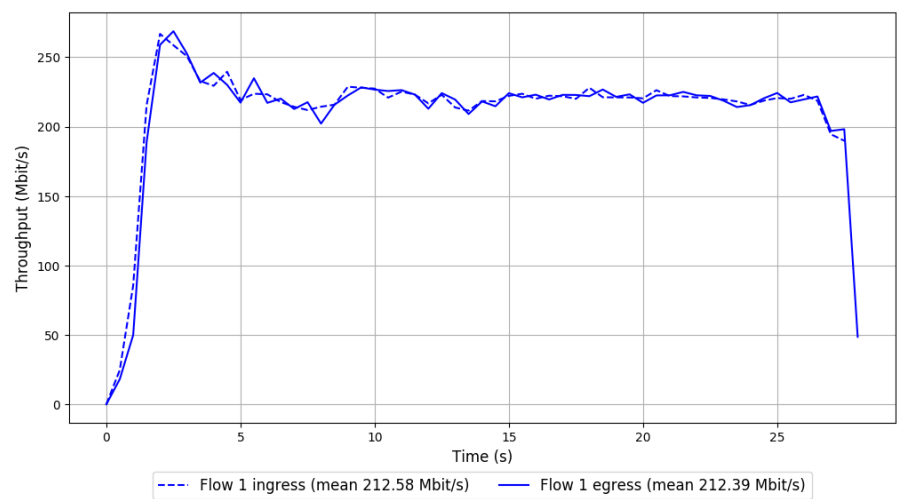


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-17 01:31:33
End at: 2018-01-17 01:32:03

# Below is generated by plot.py at 2018-01-17 05:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.39 Mbit/s
95th percentile per-packet one-way delay: 136.776 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 212.39 Mbit/s
95th percentile per-packet one-way delay: 136.776 ms
Loss rate: 0.09%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-17 01:46:28

End at: 2018-01-17 01:46:58

Below is generated by plot.py at 2018-01-17 05:16:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 163.144 ms

Loss rate: 0.00%

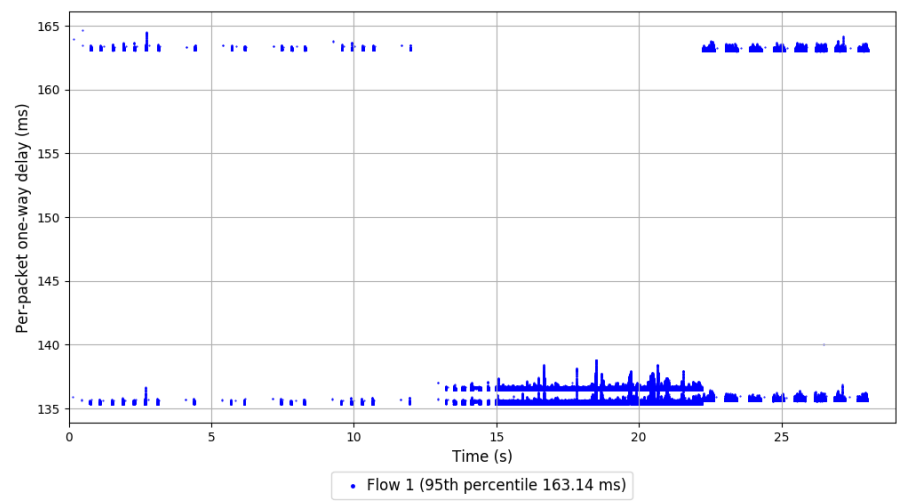
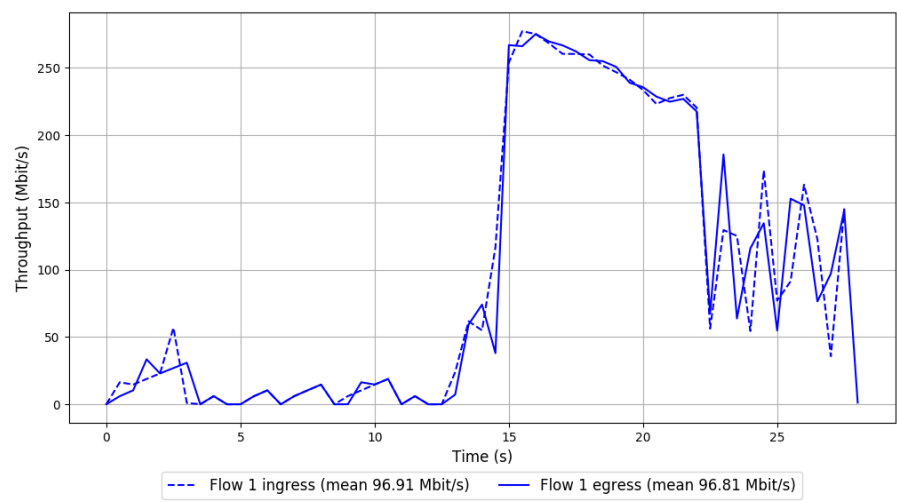
-- Flow 1:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 163.144 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-17 02:02:05

End at: 2018-01-17 02:02:35

Below is generated by plot.py at 2018-01-17 05:16:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 136.550 ms

Loss rate: 0.00%

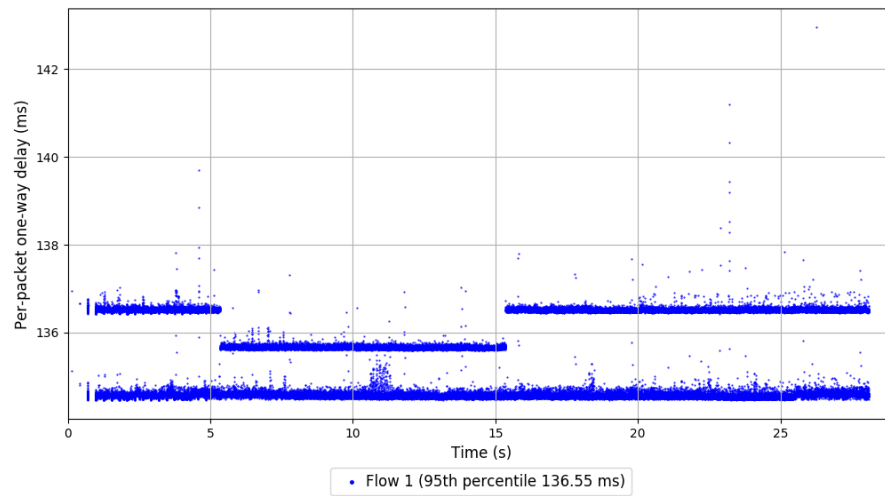
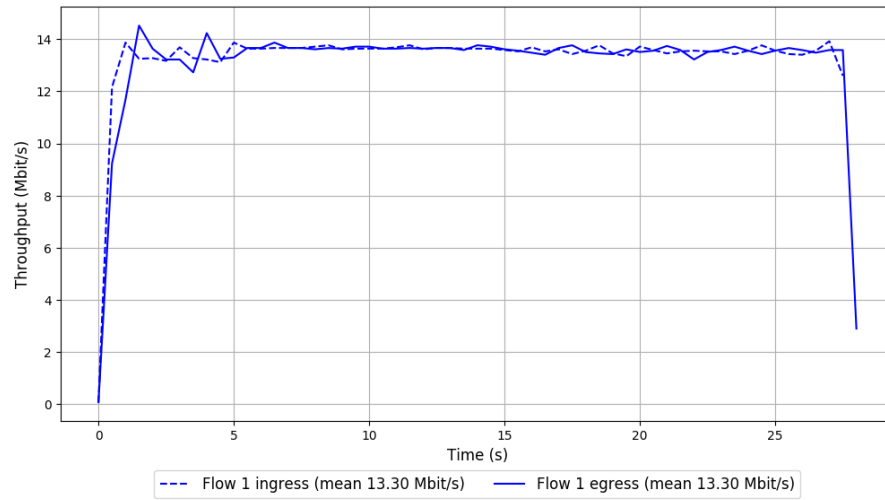
-- Flow 1:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 136.550 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-17 02:18:07

End at: 2018-01-17 02:18:37

Below is generated by plot.py at 2018-01-17 05:16:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.27 Mbit/s

95th percentile per-packet one-way delay: 136.540 ms

Loss rate: 0.00%

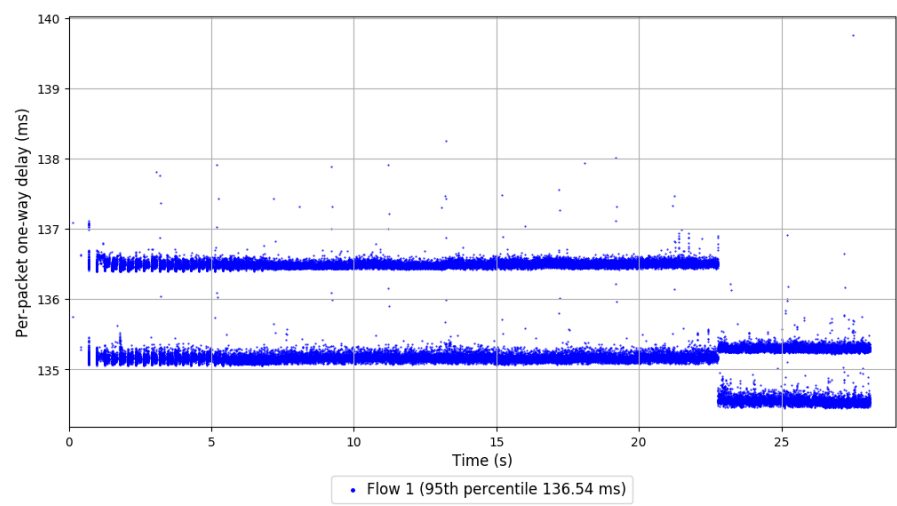
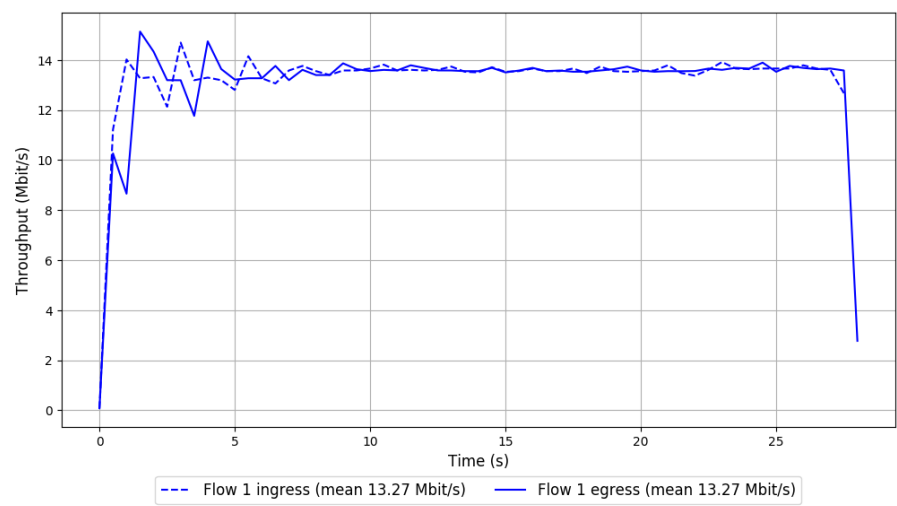
-- Flow 1:

Average throughput: 13.27 Mbit/s

95th percentile per-packet one-way delay: 136.540 ms

Loss rate: 0.00%

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

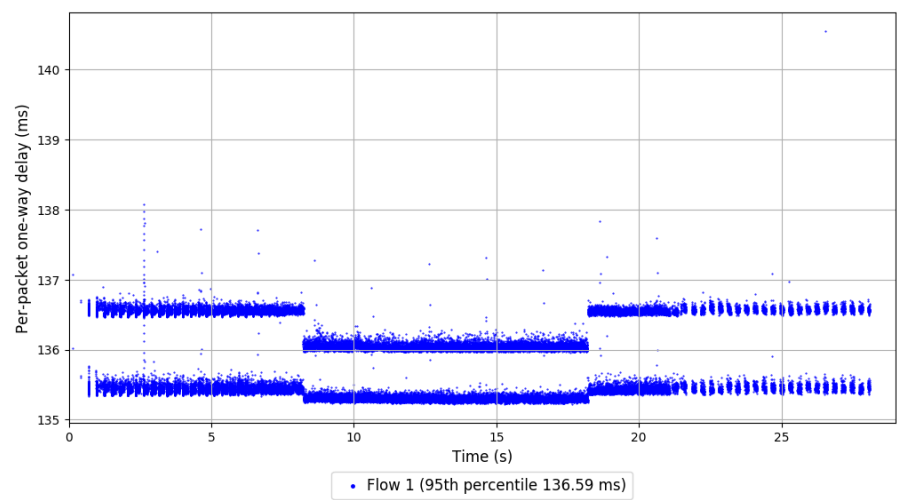
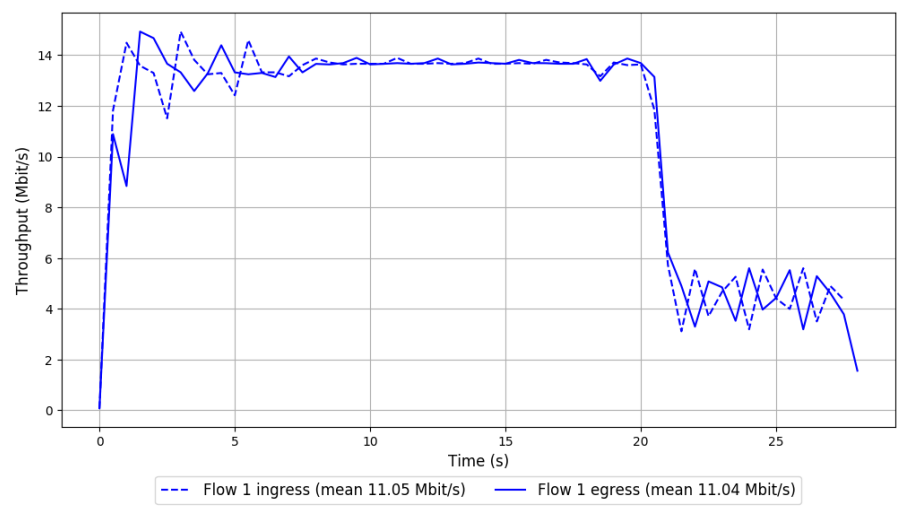


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-01-17 02:34:12
End at: 2018-01-17 02:34:42

# Below is generated by plot.py at 2018-01-17 05:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 136.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 136.595 ms
Loss rate: 0.00%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-17 02:49:55

End at: 2018-01-17 02:50:25

Below is generated by plot.py at 2018-01-17 05:16:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.54 Mbit/s

95th percentile per-packet one-way delay: 136.734 ms

Loss rate: 0.00%

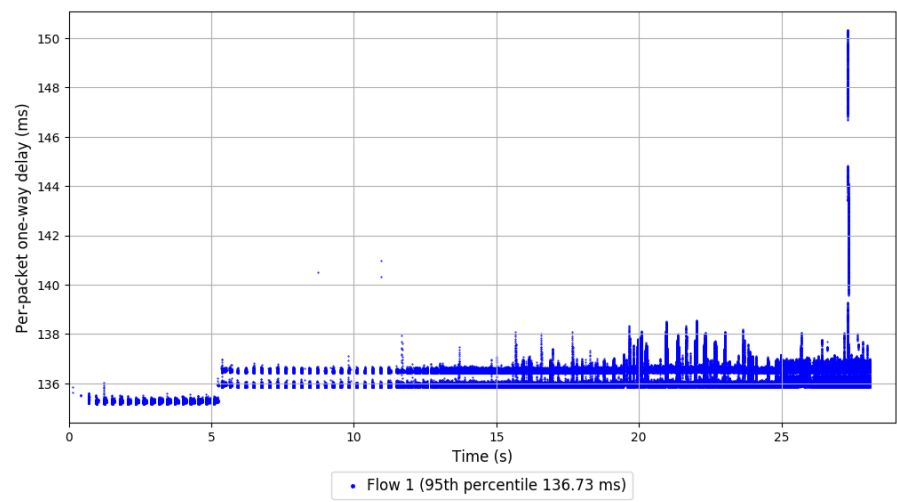
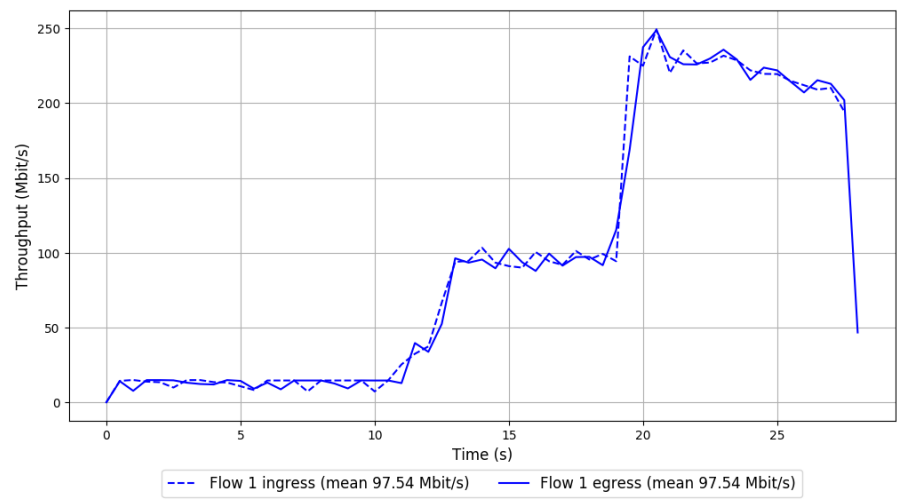
-- Flow 1:

Average throughput: 97.54 Mbit/s

95th percentile per-packet one-way delay: 136.734 ms

Loss rate: 0.00%

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

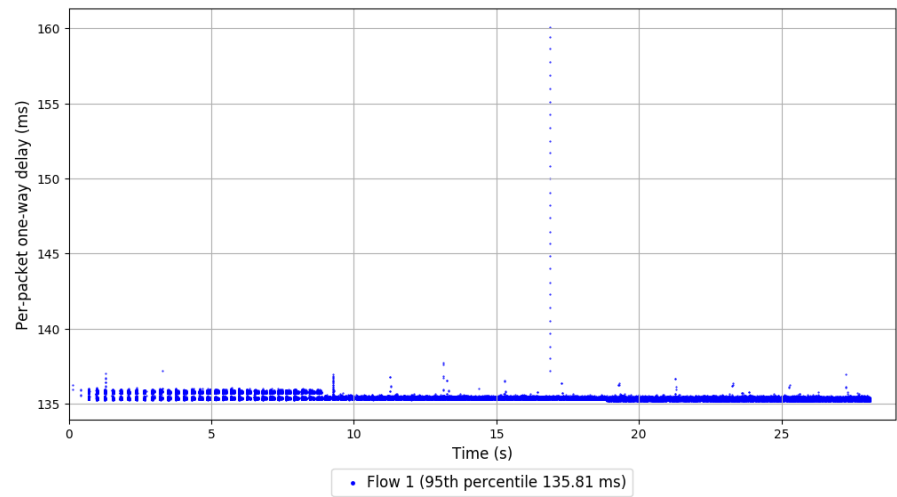
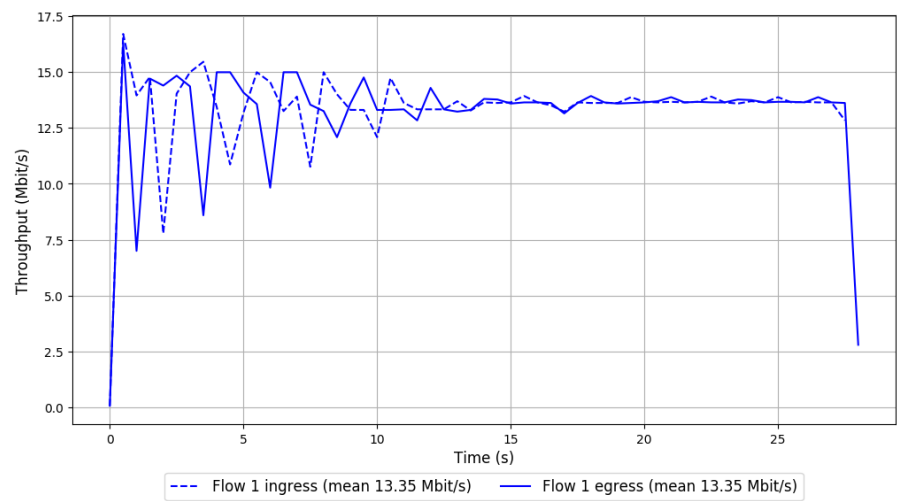


```
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-17 03:06:01
End at: 2018-01-17 03:06:31

# Below is generated by plot.py at 2018-01-17 05:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 135.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 135.808 ms
Loss rate: 0.00%
```


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

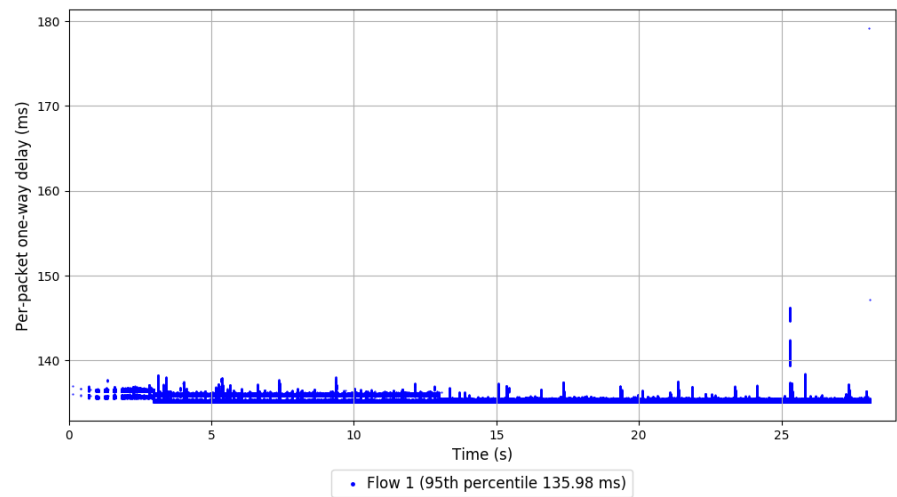
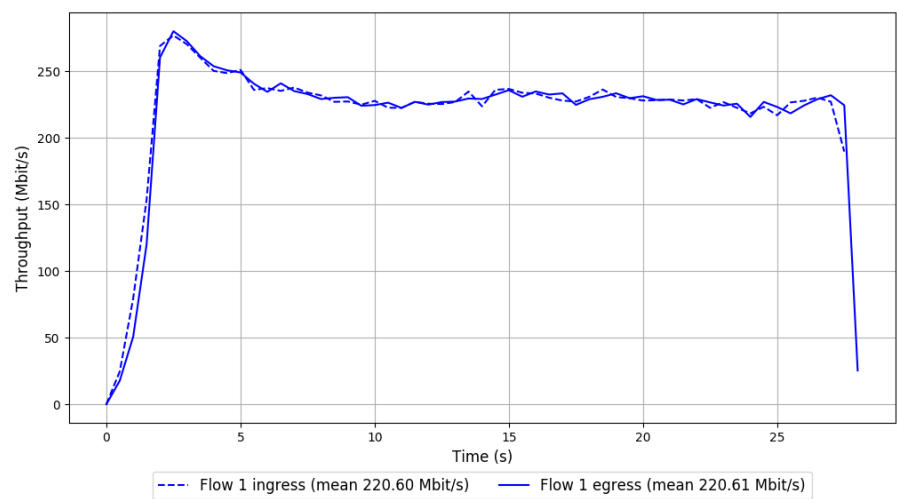


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-17 03:22:17
End at: 2018-01-17 03:22:47

# Below is generated by plot.py at 2018-01-17 05:16:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.61 Mbit/s
95th percentile per-packet one-way delay: 135.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.61 Mbit/s
95th percentile per-packet one-way delay: 135.979 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-17 01:04:22

End at: 2018-01-17 01:04:52

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.28 Mbit/s

95th percentile per-packet one-way delay: 137.124 ms

Loss rate: 0.00%

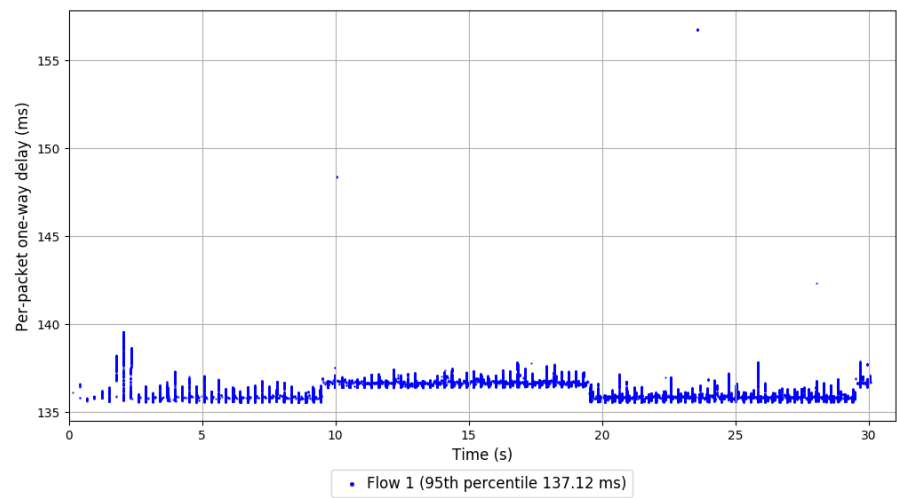
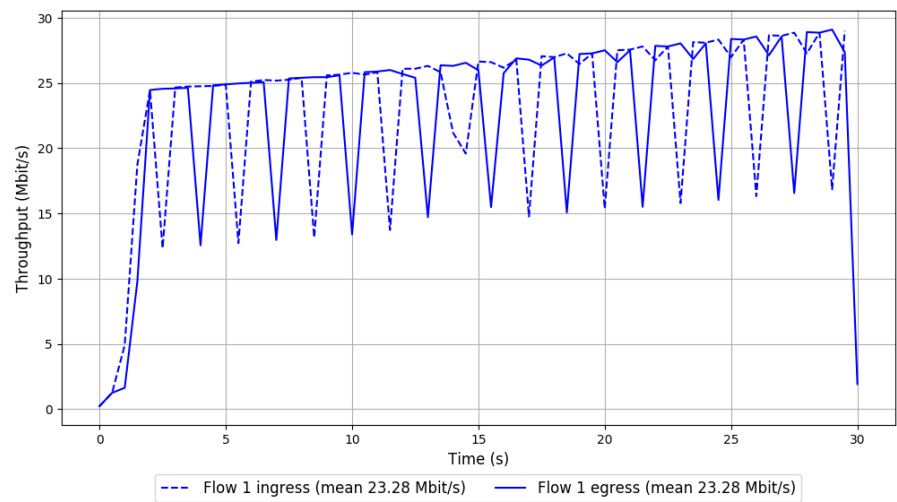
-- Flow 1:

Average throughput: 23.28 Mbit/s

95th percentile per-packet one-way delay: 137.124 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-17 01:20:36

End at: 2018-01-17 01:21:06

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.04 Mbit/s

95th percentile per-packet one-way delay: 137.737 ms

Loss rate: 0.00%

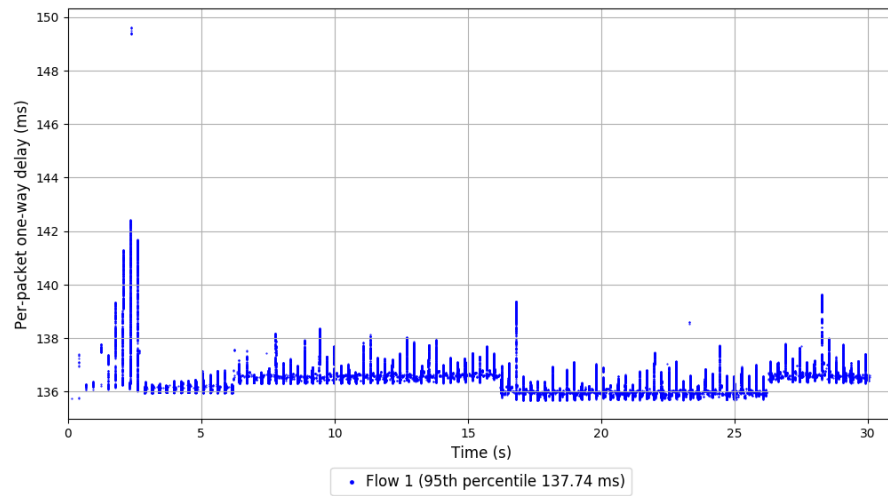
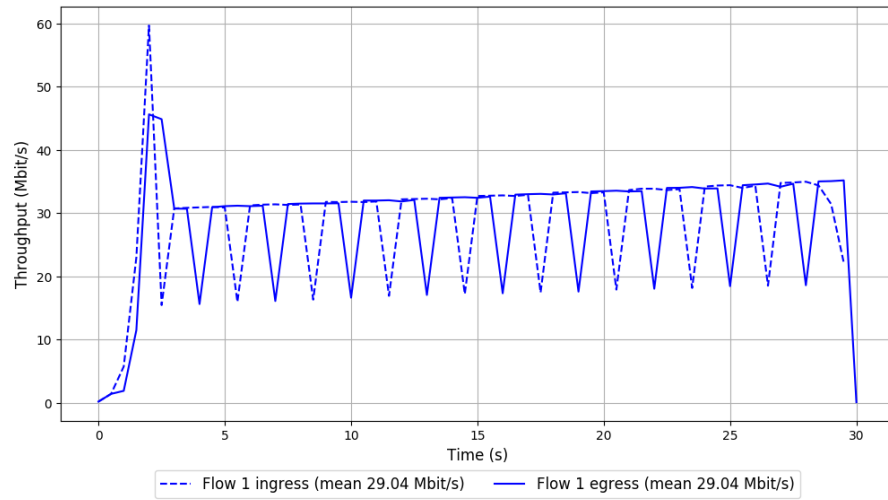
-- Flow 1:

Average throughput: 29.04 Mbit/s

95th percentile per-packet one-way delay: 137.737 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-17 01:35:58

End at: 2018-01-17 01:36:28

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 140.610 ms

Loss rate: 1.23%

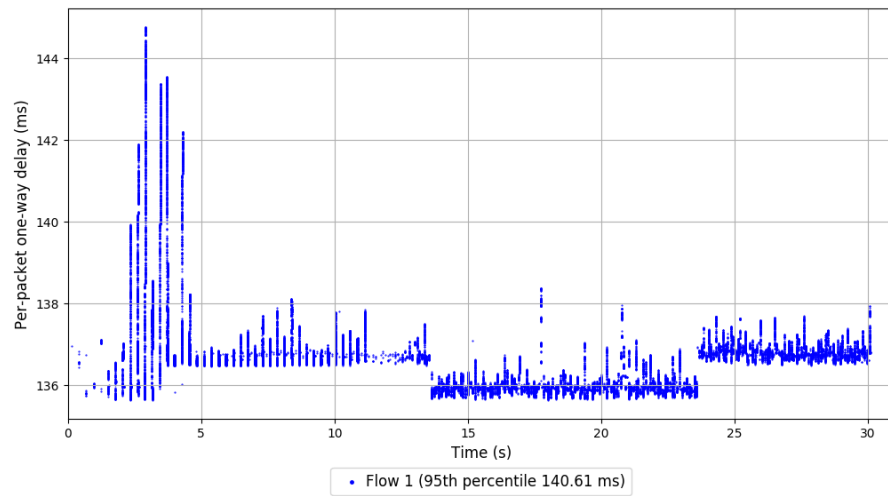
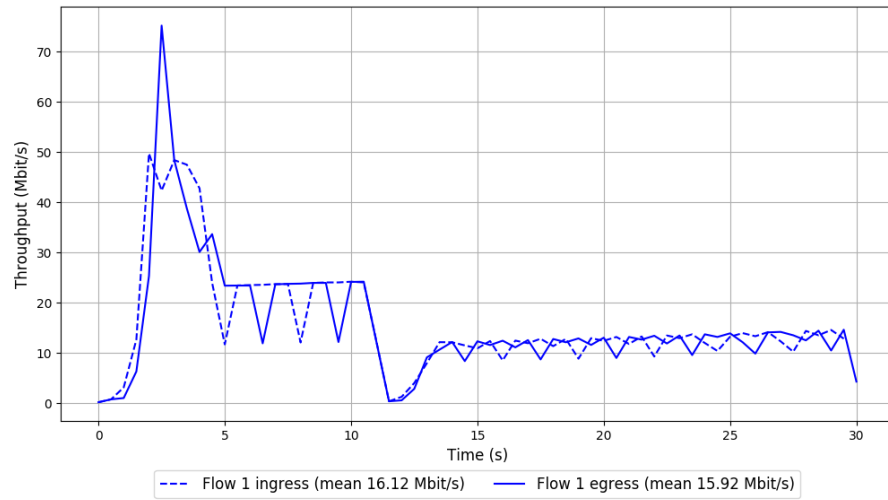
-- Flow 1:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 140.610 ms

Loss rate: 1.23%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

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

End at: 2018-01-17 01:51:20

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 163.905 ms

Loss rate: 0.00%

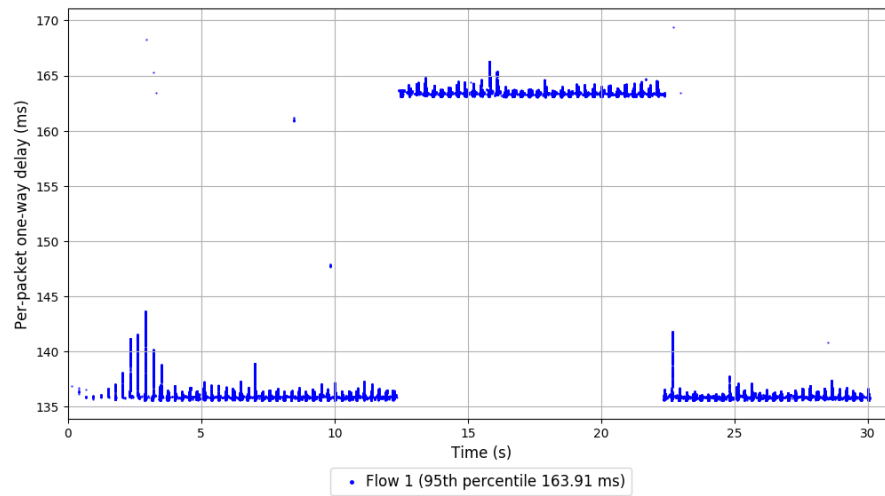
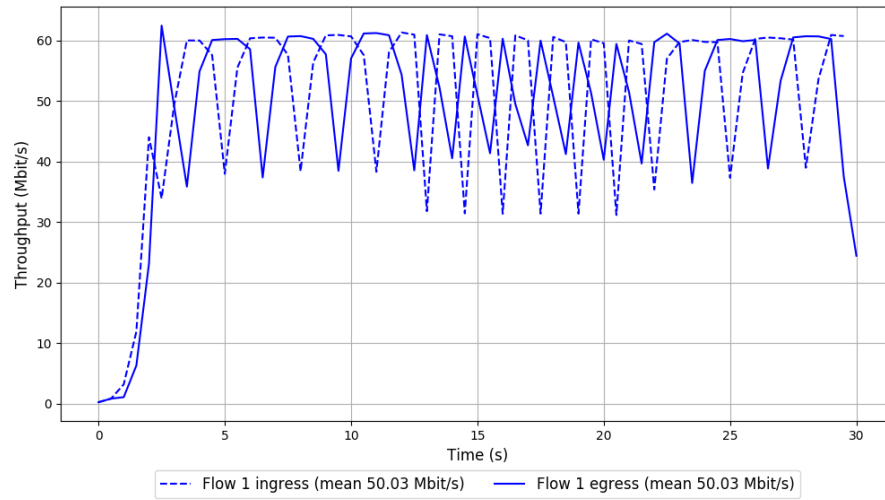
-- Flow 1:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 163.905 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-17 02:06:43

End at: 2018-01-17 02:07:13

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.26 Mbit/s

95th percentile per-packet one-way delay: 137.614 ms

Loss rate: 0.00%

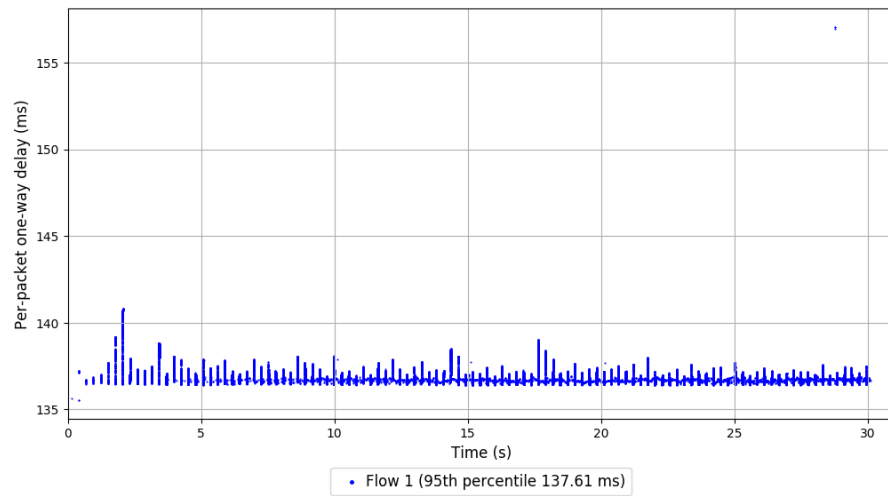
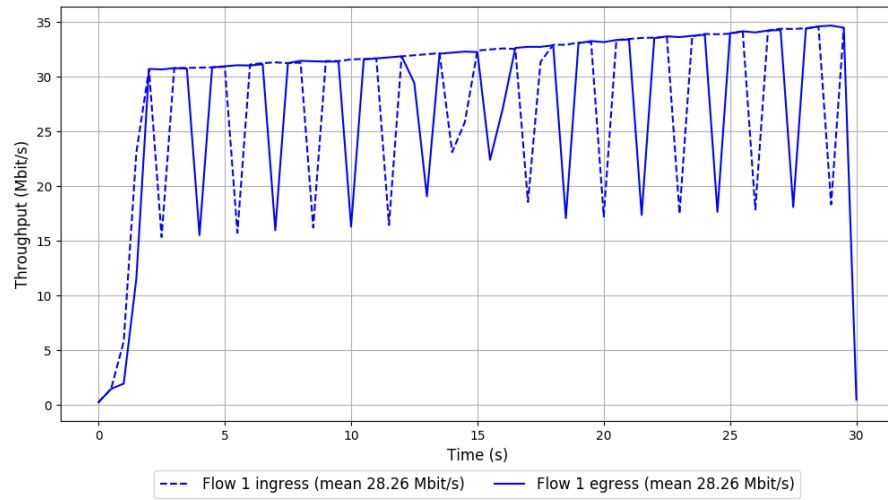
-- Flow 1:

Average throughput: 28.26 Mbit/s

95th percentile per-packet one-way delay: 137.614 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-17 02:22:36

End at: 2018-01-17 02:23:06

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.59 Mbit/s

95th percentile per-packet one-way delay: 141.346 ms

Loss rate: 0.00%

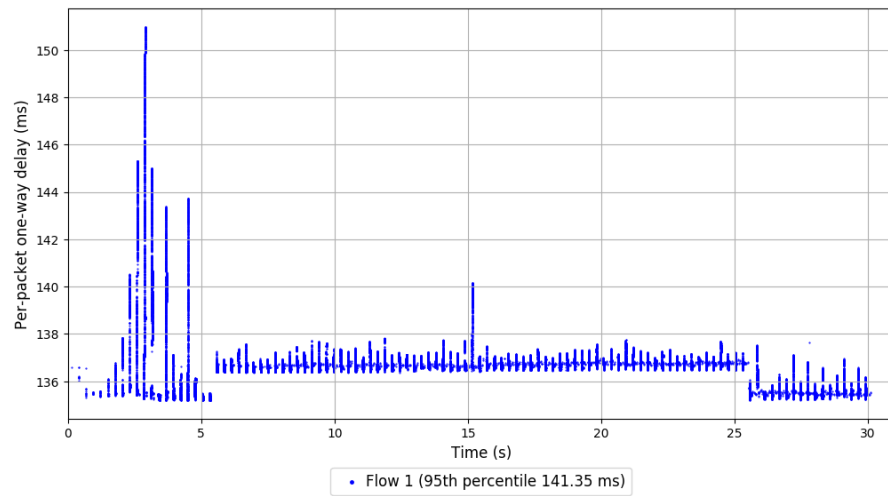
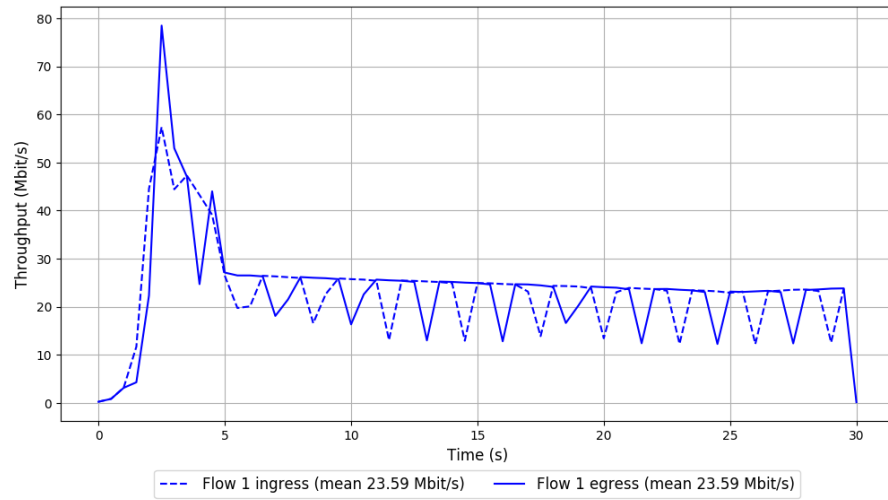
-- Flow 1:

Average throughput: 23.59 Mbit/s

95th percentile per-packet one-way delay: 141.346 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-17 02:38:28

End at: 2018-01-17 02:38:58

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.86 Mbit/s

95th percentile per-packet one-way delay: 137.547 ms

Loss rate: 0.00%

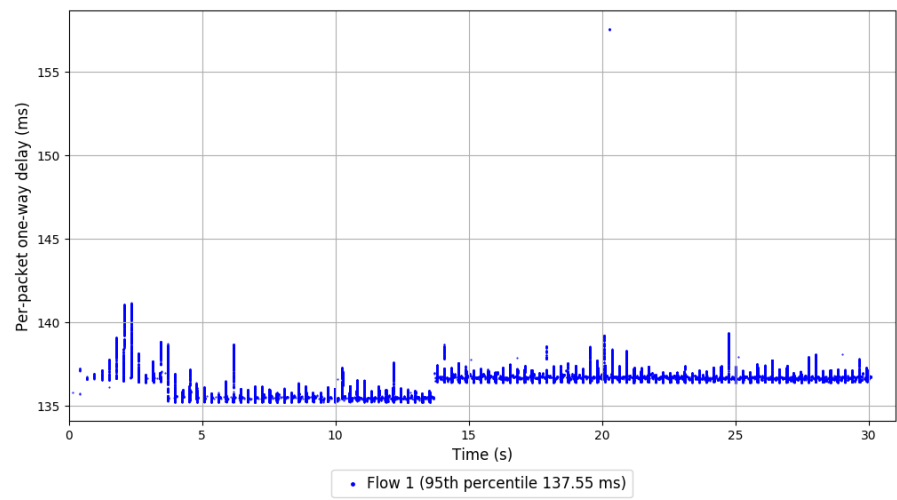
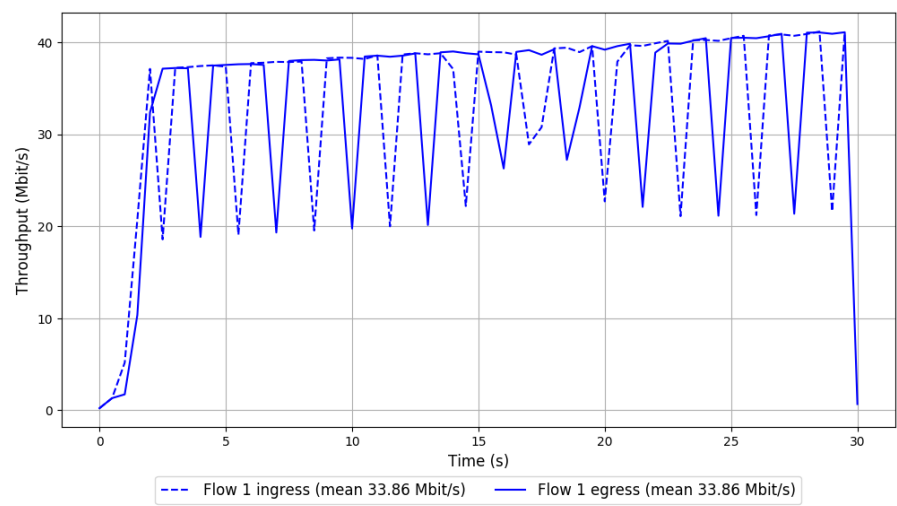
-- Flow 1:

Average throughput: 33.86 Mbit/s

95th percentile per-packet one-way delay: 137.547 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-17 02:54:39

End at: 2018-01-17 02:55:09

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.27 Mbit/s

95th percentile per-packet one-way delay: 136.846 ms

Loss rate: 0.00%

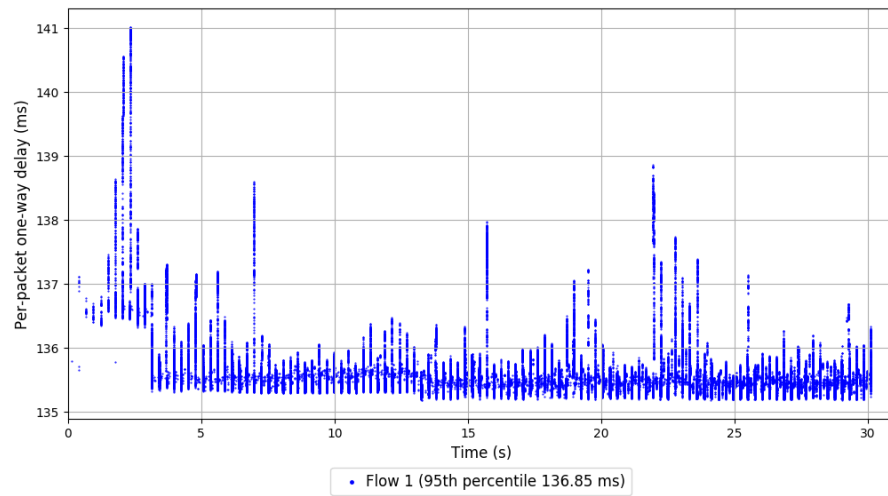
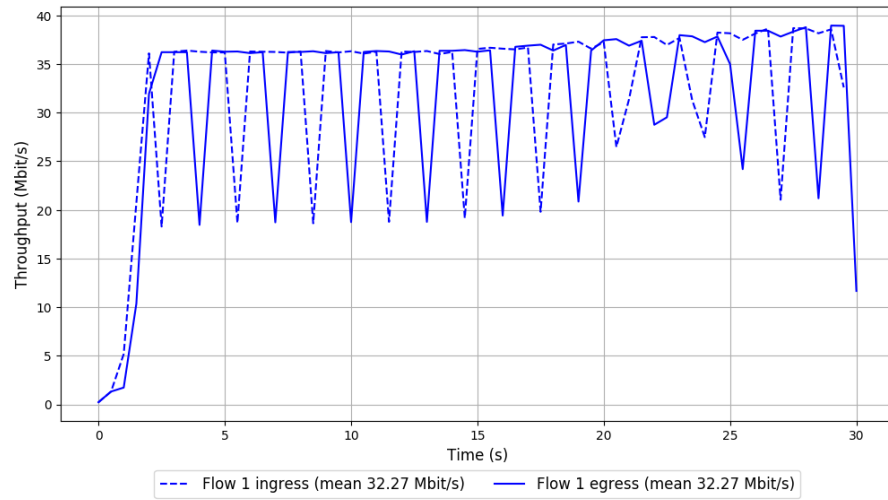
-- Flow 1:

Average throughput: 32.27 Mbit/s

95th percentile per-packet one-way delay: 136.846 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-17 03:10:44

End at: 2018-01-17 03:11:14

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.70 Mbit/s

95th percentile per-packet one-way delay: 137.499 ms

Loss rate: 0.00%

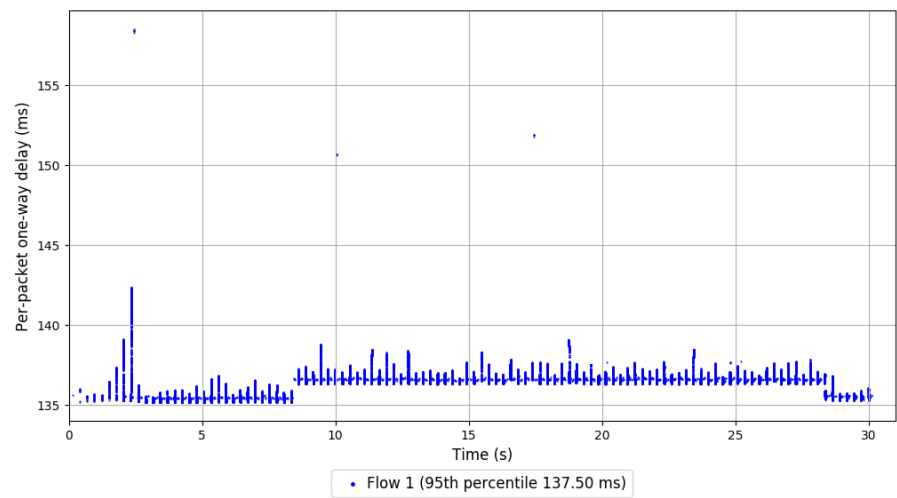
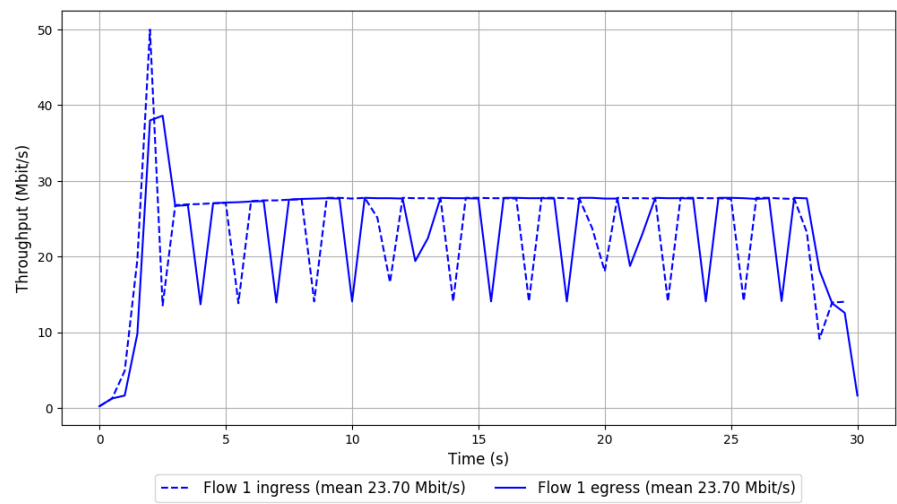
-- Flow 1:

Average throughput: 23.70 Mbit/s

95th percentile per-packet one-way delay: 137.499 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-17 03:26:59

End at: 2018-01-17 03:27:29

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.08 Mbit/s

95th percentile per-packet one-way delay: 137.406 ms

Loss rate: 0.00%

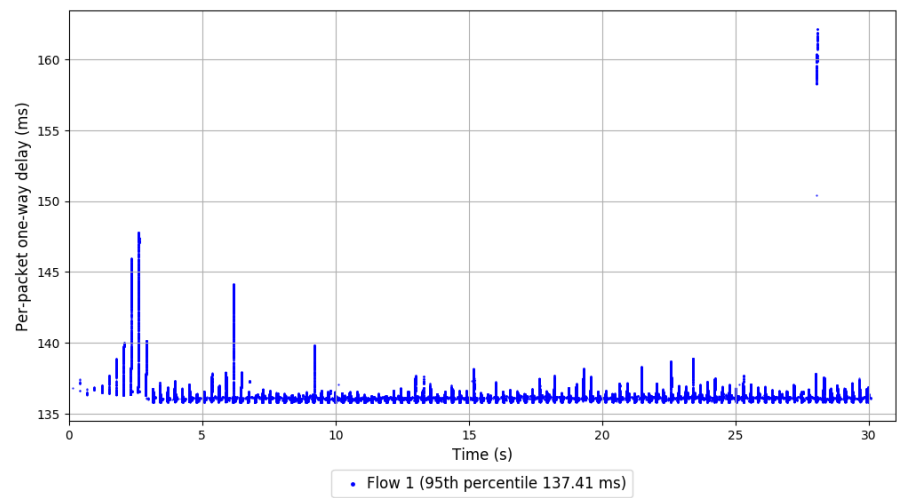
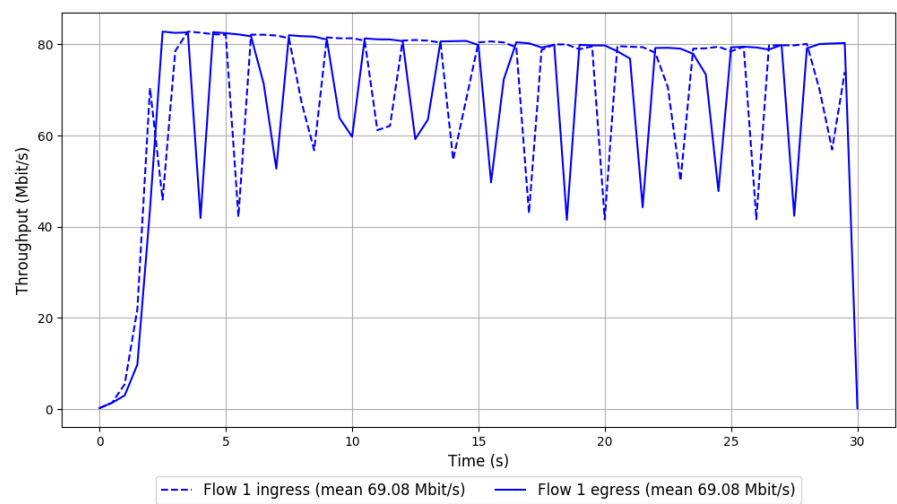
-- Flow 1:

Average throughput: 69.08 Mbit/s

95th percentile per-packet one-way delay: 137.406 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-17 01:08:20

End at: 2018-01-17 01:08:50

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.66 Mbit/s

95th percentile per-packet one-way delay: 157.339 ms

Loss rate: 0.00%

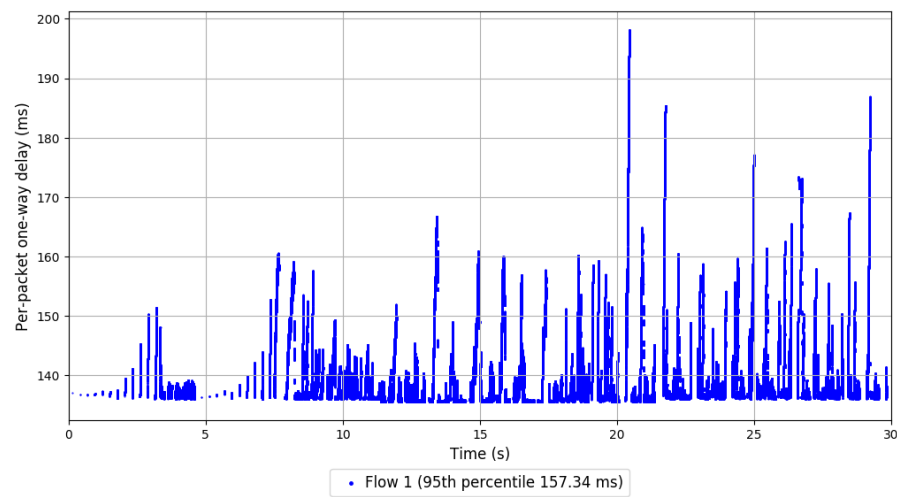
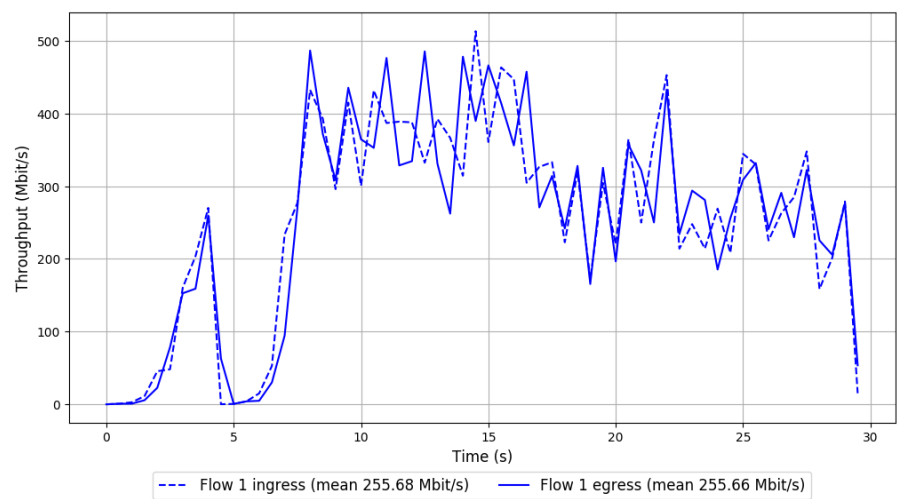
-- Flow 1:

Average throughput: 255.66 Mbit/s

95th percentile per-packet one-way delay: 157.339 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-17 01:24:48

End at: 2018-01-17 01:25:18

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.27 Mbit/s

95th percentile per-packet one-way delay: 255.040 ms

Loss rate: 0.12%

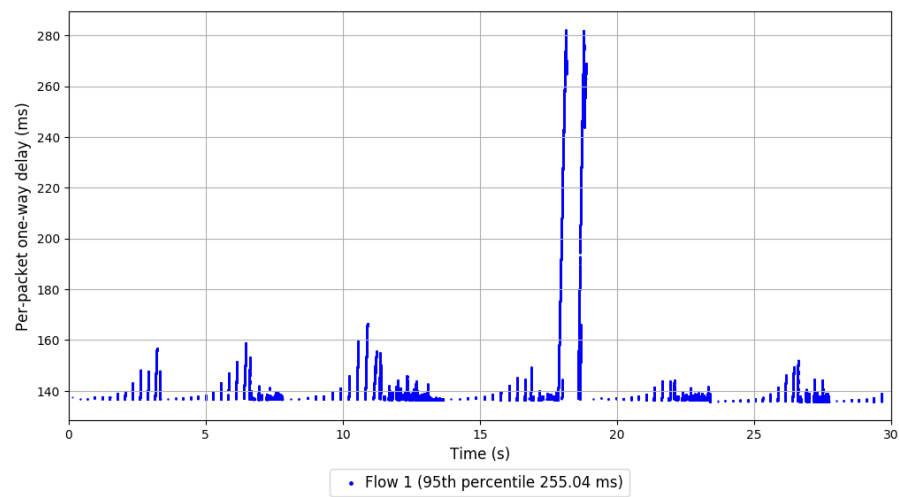
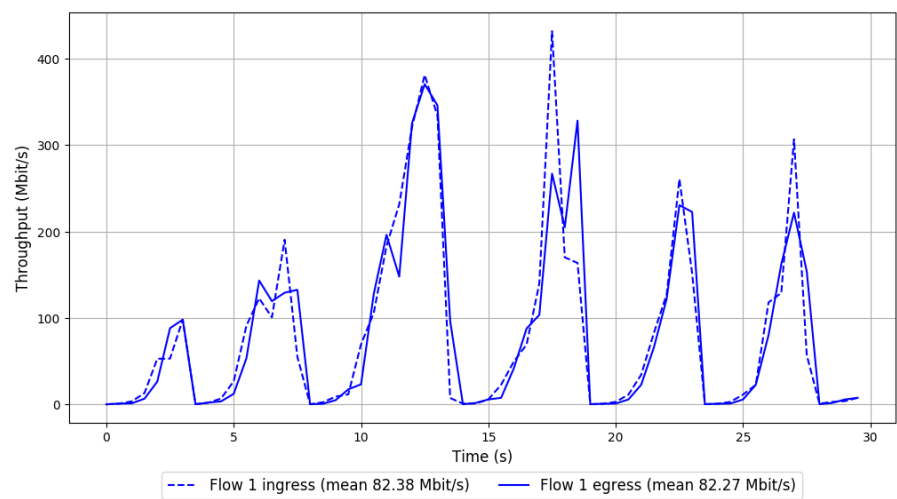
-- Flow 1:

Average throughput: 82.27 Mbit/s

95th percentile per-packet one-way delay: 255.040 ms

Loss rate: 0.12%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-17 01:39:47

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

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.60 Mbit/s

95th percentile per-packet one-way delay: 177.487 ms

Loss rate: 0.00%

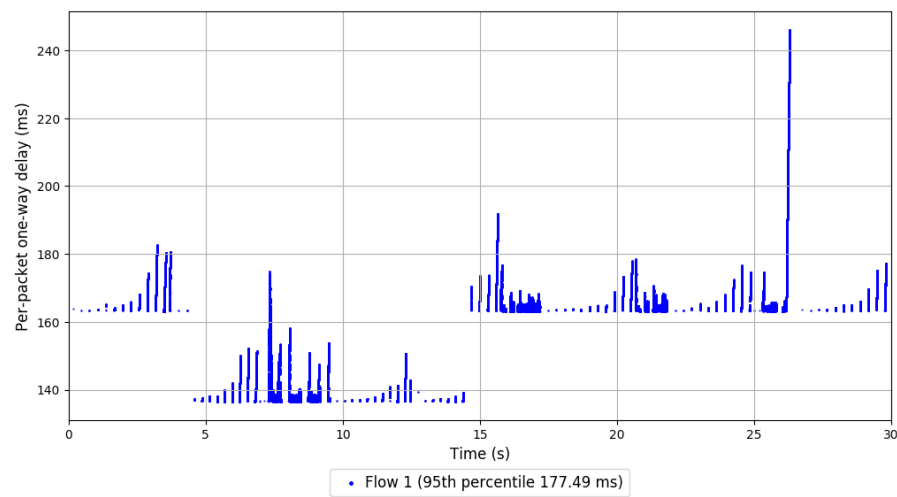
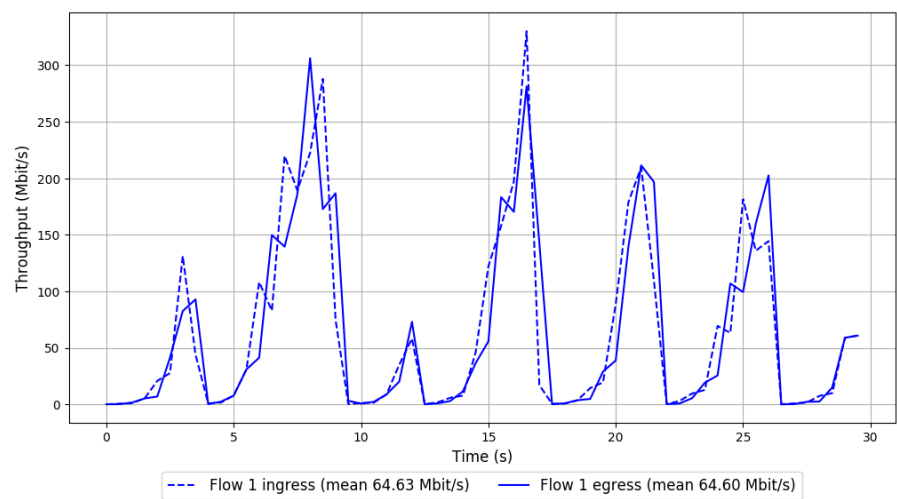
-- Flow 1:

Average throughput: 64.60 Mbit/s

95th percentile per-packet one-way delay: 177.487 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-17 01:54:53

End at: 2018-01-17 01:55:23

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.13 Mbit/s

95th percentile per-packet one-way delay: 148.341 ms

Loss rate: 0.05%

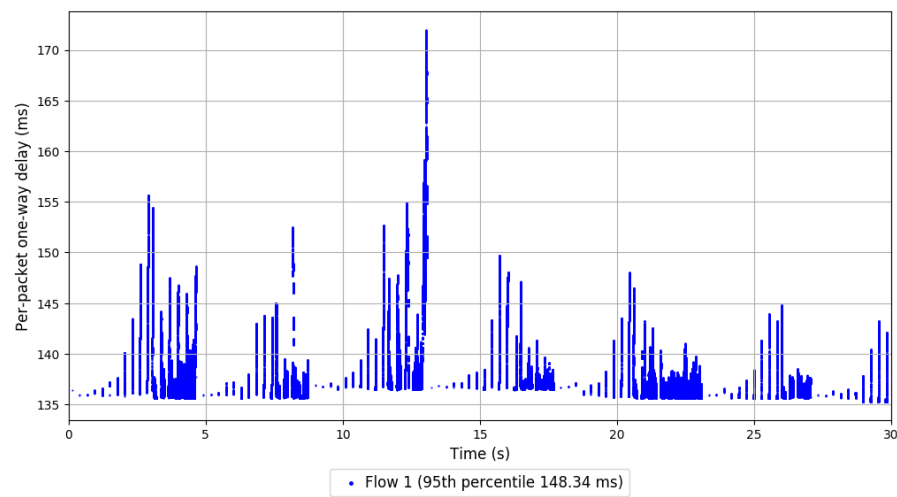
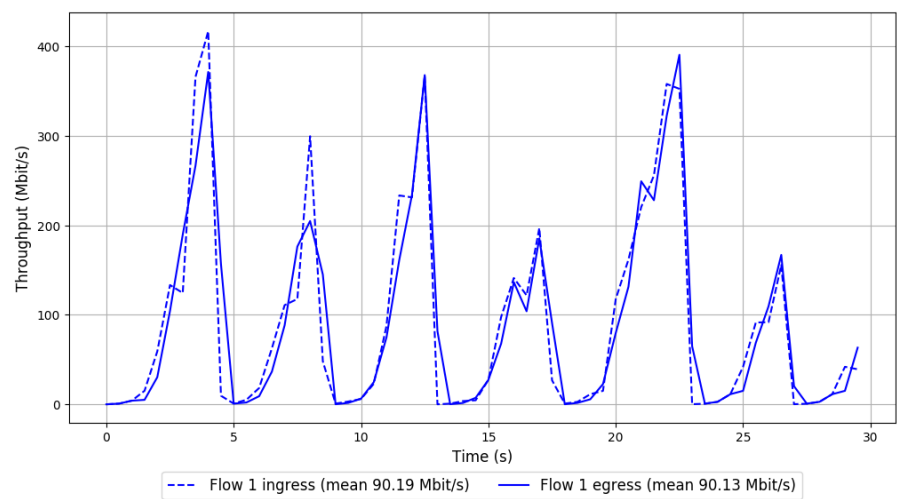
-- Flow 1:

Average throughput: 90.13 Mbit/s

95th percentile per-packet one-way delay: 148.341 ms

Loss rate: 0.05%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-17 02:10:54

End at: 2018-01-17 02:11:24

Below is generated by plot.py at 2018-01-17 05:16:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 176.229 ms

Loss rate: 0.50%

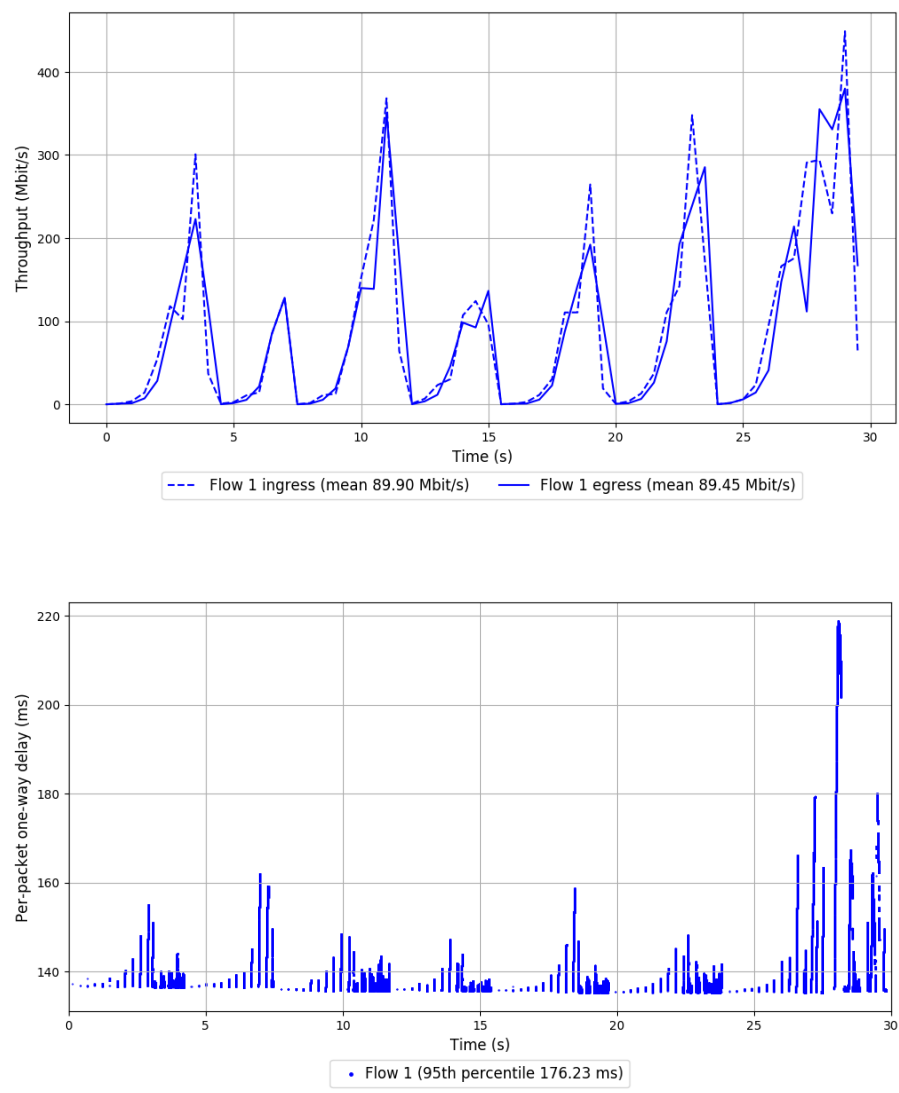
-- Flow 1:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 176.229 ms

Loss rate: 0.50%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-17 02:26:45

End at: 2018-01-17 02:27:15

Below is generated by plot.py at 2018-01-17 05:18:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 285.37 Mbit/s

95th percentile per-packet one-way delay: 280.288 ms

Loss rate: 1.19%

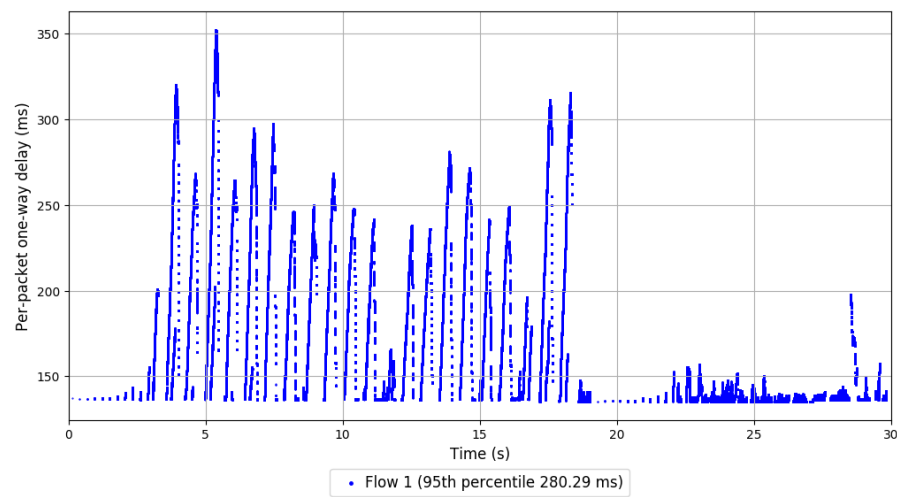
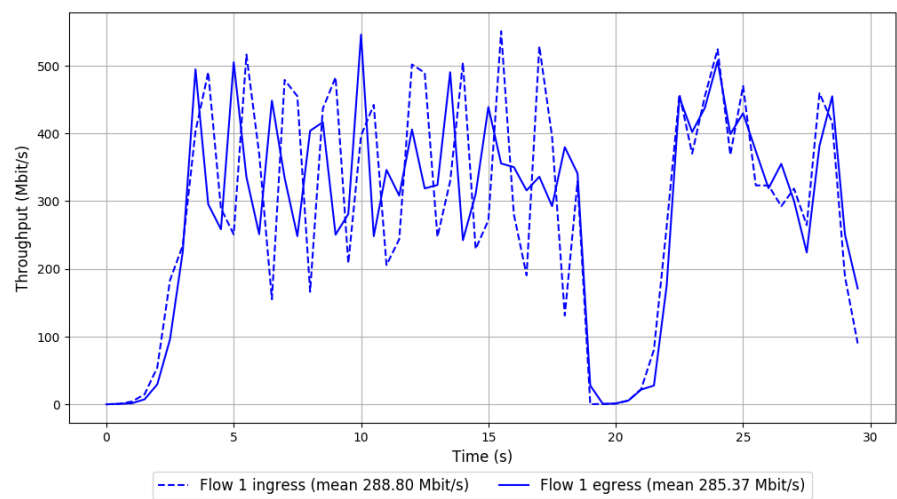
-- Flow 1:

Average throughput: 285.37 Mbit/s

95th percentile per-packet one-way delay: 280.288 ms

Loss rate: 1.19%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-17 02:42:39

End at: 2018-01-17 02:43:09

Below is generated by plot.py at 2018-01-17 05:18:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.94 Mbit/s

95th percentile per-packet one-way delay: 144.814 ms

Loss rate: 0.18%

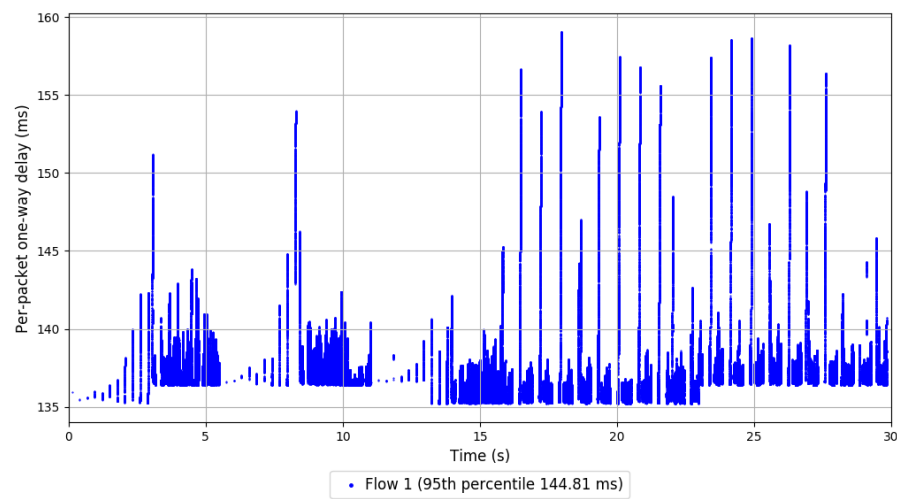
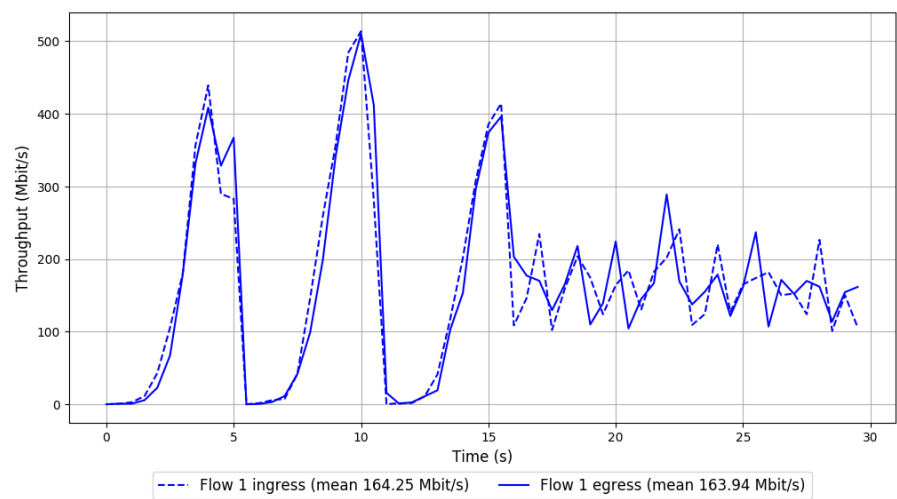
-- Flow 1:

Average throughput: 163.94 Mbit/s

95th percentile per-packet one-way delay: 144.814 ms

Loss rate: 0.18%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-17 02:58:49

End at: 2018-01-17 02:59:19

Below is generated by plot.py at 2018-01-17 05:18:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 142.704 ms

Loss rate: 0.05%

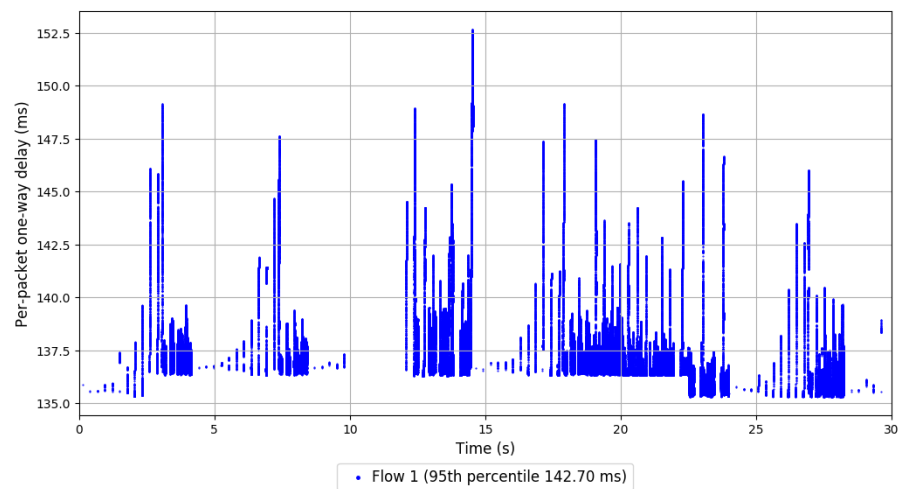
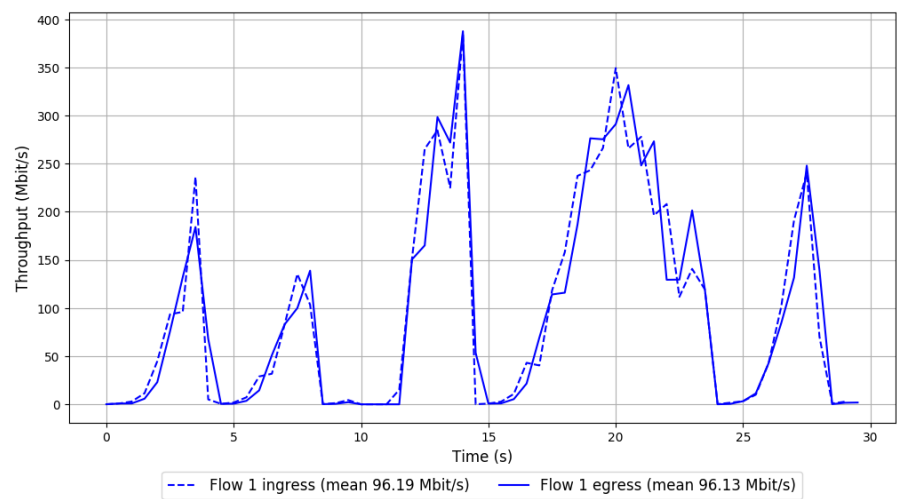
-- Flow 1:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 142.704 ms

Loss rate: 0.05%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-17 03:14:54

End at: 2018-01-17 03:15:24

Below is generated by plot.py at 2018-01-17 05:18:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.77 Mbit/s

95th percentile per-packet one-way delay: 157.567 ms

Loss rate: 0.14%

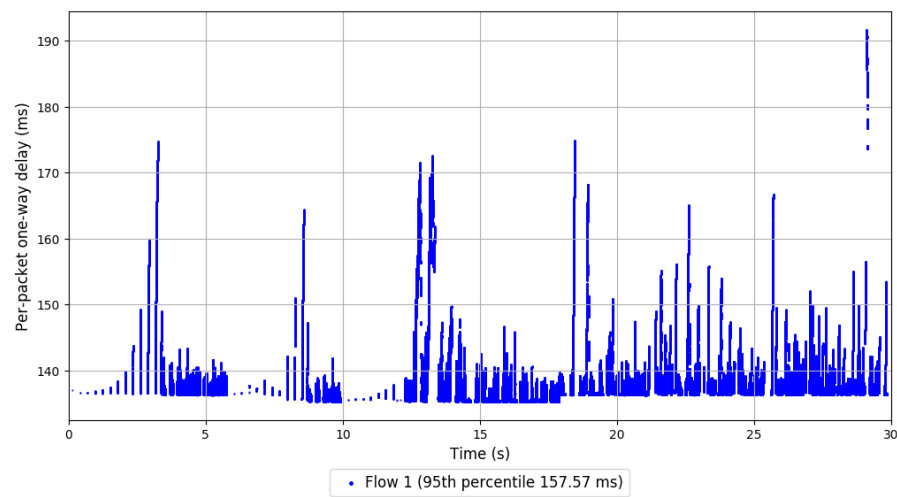
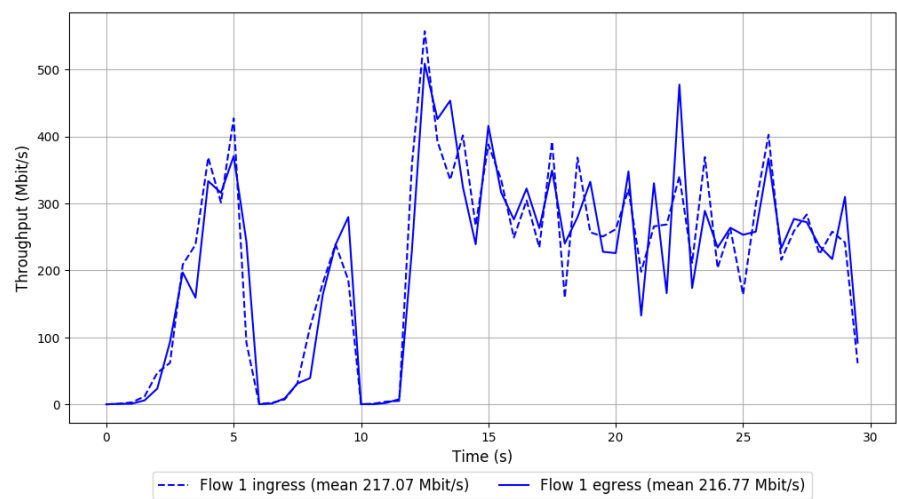
-- Flow 1:

Average throughput: 216.77 Mbit/s

95th percentile per-packet one-way delay: 157.567 ms

Loss rate: 0.14%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-17 03:31:13

End at: 2018-01-17 03:31:43

Below is generated by plot.py at 2018-01-17 05:20:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.58 Mbit/s

95th percentile per-packet one-way delay: 282.684 ms

Loss rate: 1.64%

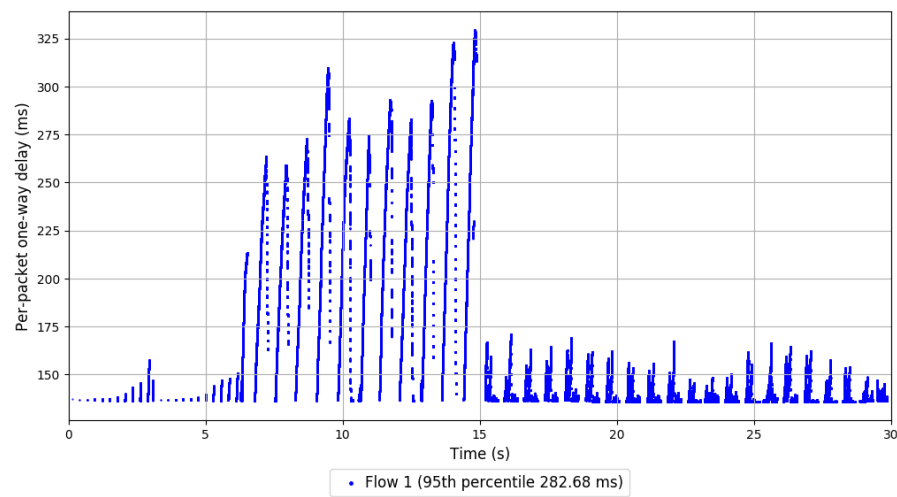
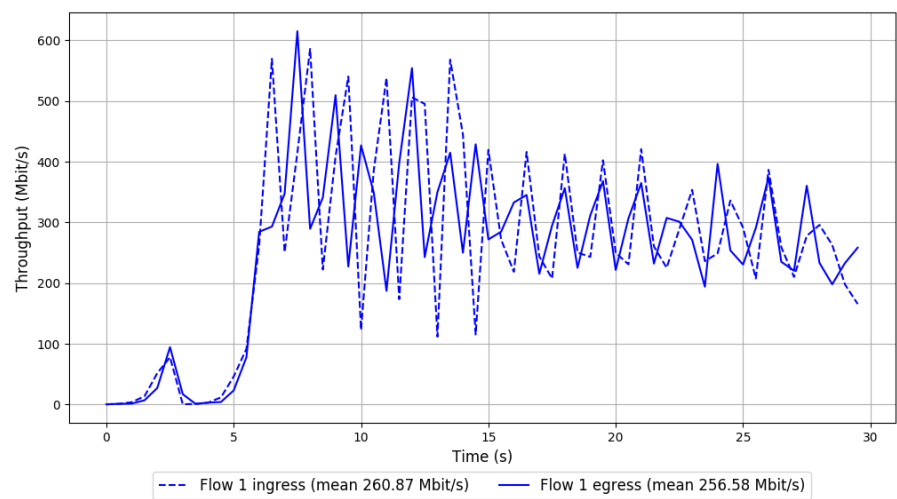
-- Flow 1:

Average throughput: 256.58 Mbit/s

95th percentile per-packet one-way delay: 282.684 ms

Loss rate: 1.64%

Run 10: Report of Verus — Data Link

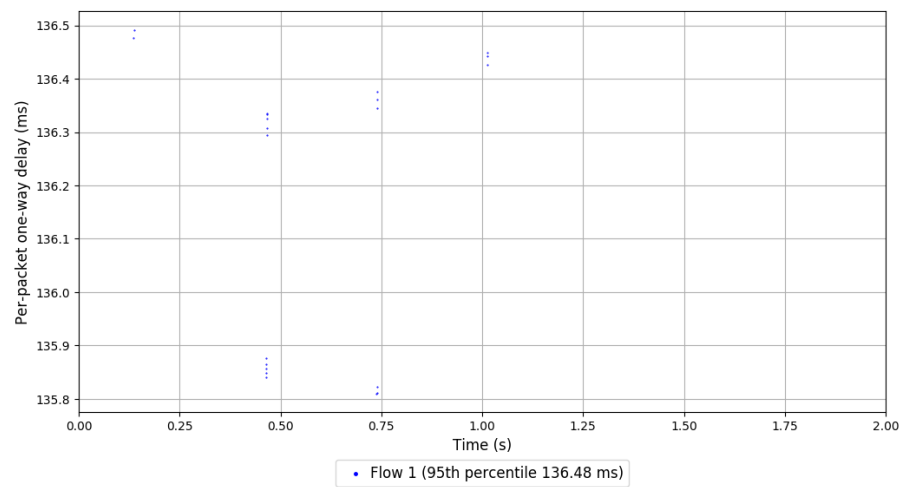
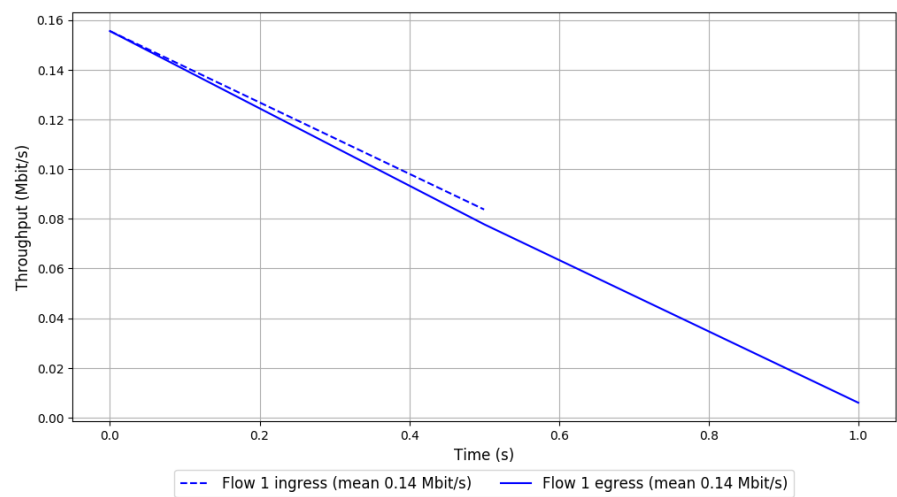


Run 1: Statistics of Copa

Start at: 2018-01-17 01:07:38

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

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-17 01:23:59

End at: 2018-01-17 01:24:29

Below is generated by plot.py at 2018-01-17 05:20:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 136.078 ms

Loss rate: 0.00%

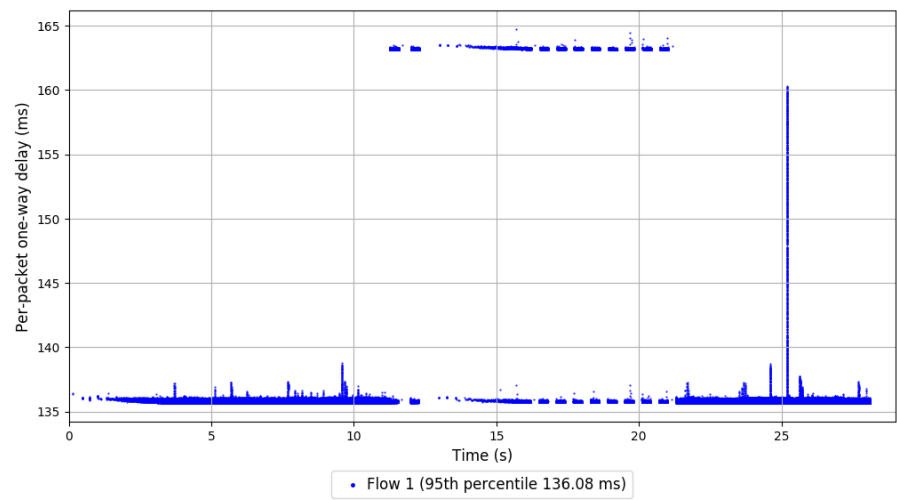
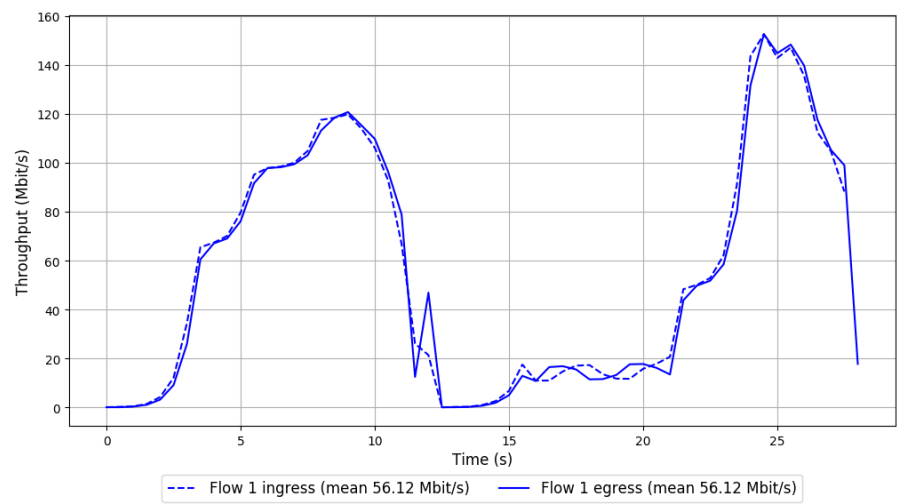
-- Flow 1:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 136.078 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-17 01:38:57

End at: 2018-01-17 01:39:27

Below is generated by plot.py at 2018-01-17 05:20:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.17 Mbit/s

95th percentile per-packet one-way delay: 136.683 ms

Loss rate: 0.00%

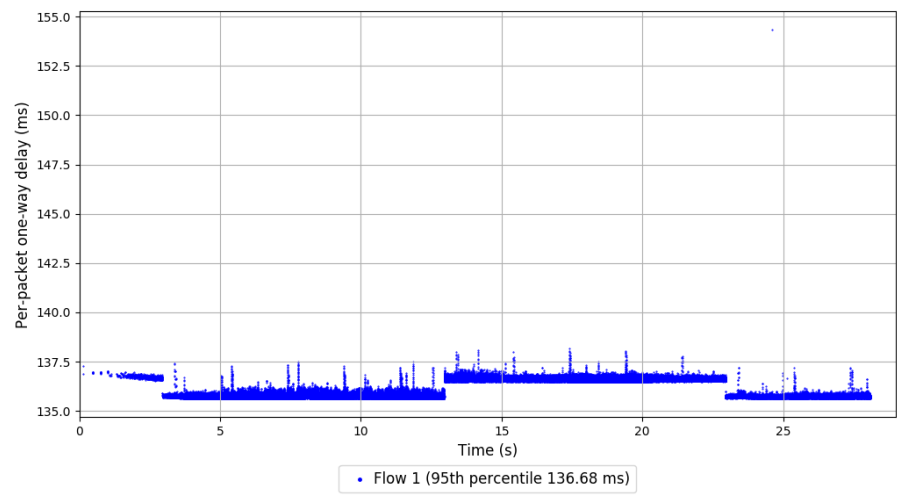
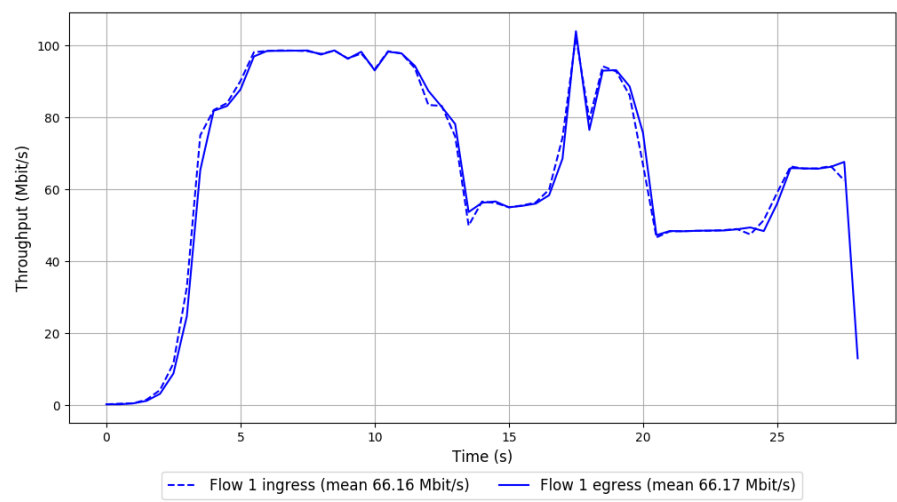
-- Flow 1:

Average throughput: 66.17 Mbit/s

95th percentile per-packet one-way delay: 136.683 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-17 01:54:03

End at: 2018-01-17 01:54:34

Below is generated by plot.py at 2018-01-17 05:20:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.18 Mbit/s

95th percentile per-packet one-way delay: 136.537 ms

Loss rate: 0.00%

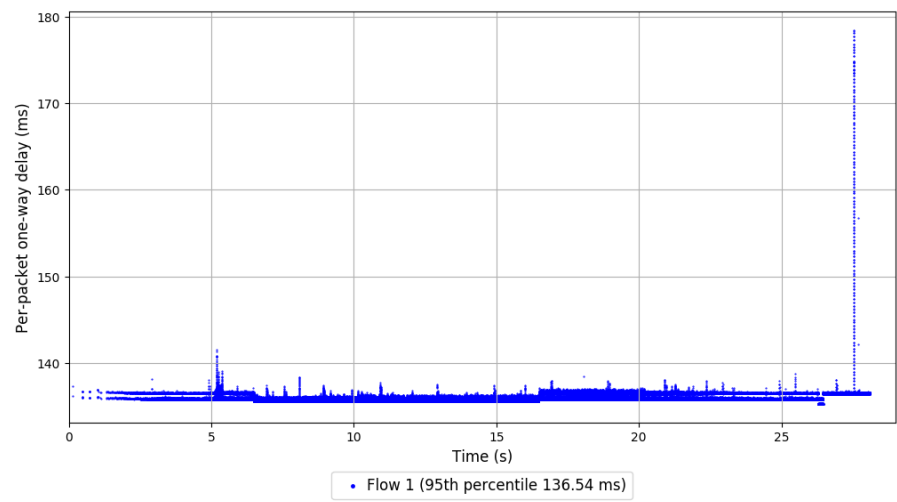
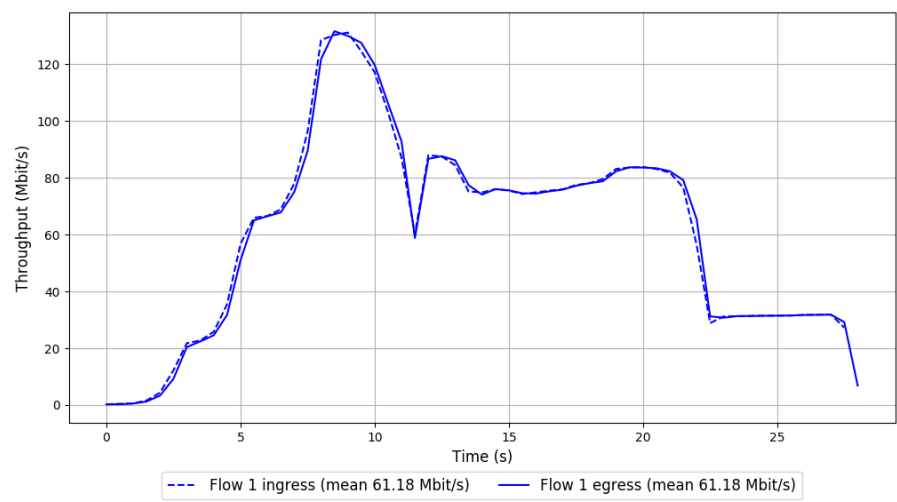
-- Flow 1:

Average throughput: 61.18 Mbit/s

95th percentile per-packet one-way delay: 136.537 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-17 02:10:04

End at: 2018-01-17 02:10:34

Below is generated by plot.py at 2018-01-17 05:20:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.43 Mbit/s

95th percentile per-packet one-way delay: 136.515 ms

Loss rate: 0.00%

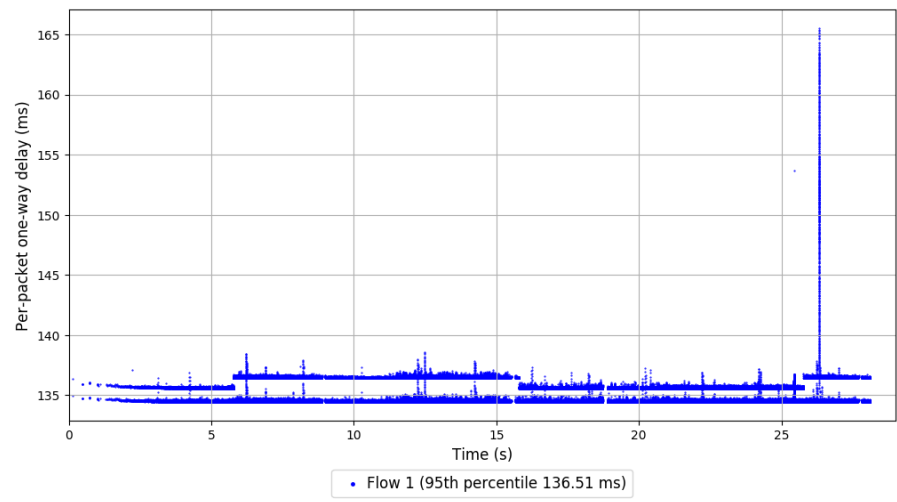
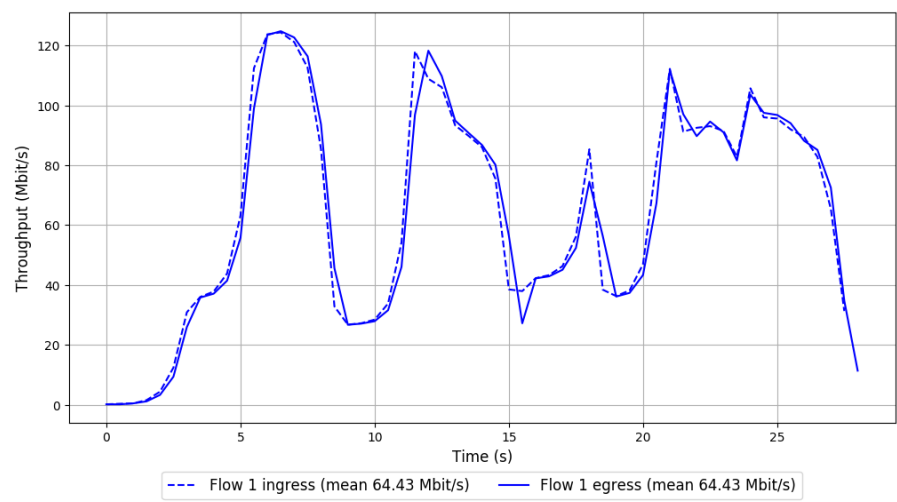
-- Flow 1:

Average throughput: 64.43 Mbit/s

95th percentile per-packet one-way delay: 136.515 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-17 02:25:55

End at: 2018-01-17 02:26:25

Below is generated by plot.py at 2018-01-17 05:20:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.48 Mbit/s

95th percentile per-packet one-way delay: 136.406 ms

Loss rate: 0.00%

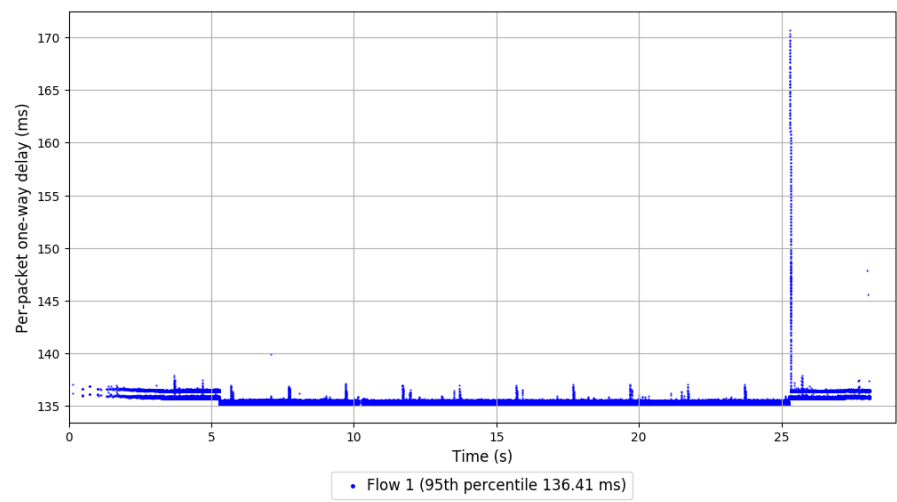
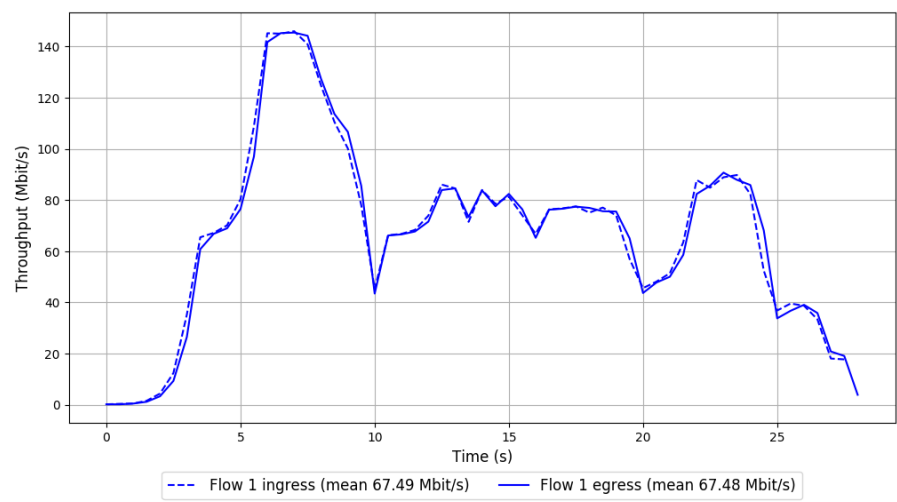
-- Flow 1:

Average throughput: 67.48 Mbit/s

95th percentile per-packet one-way delay: 136.406 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-17 02:41:49

End at: 2018-01-17 02:42:19

Below is generated by plot.py at 2018-01-17 05:20:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.21 Mbit/s

95th percentile per-packet one-way delay: 136.531 ms

Loss rate: 0.00%

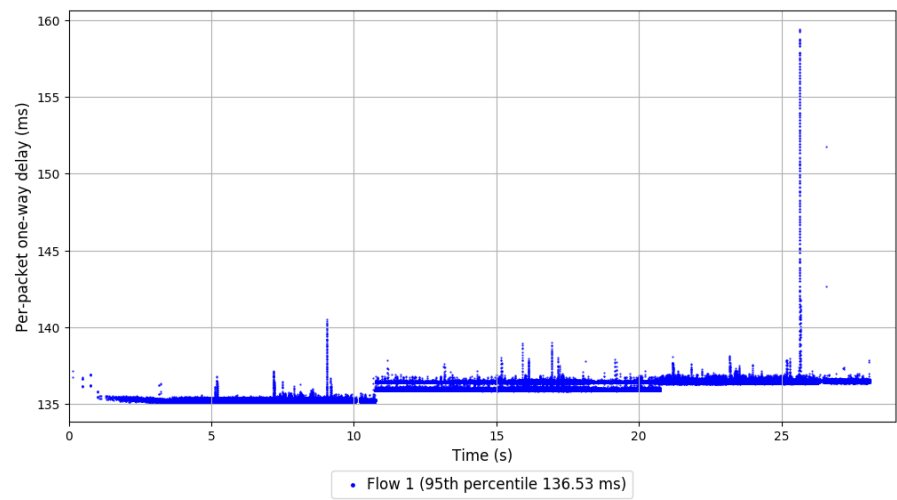
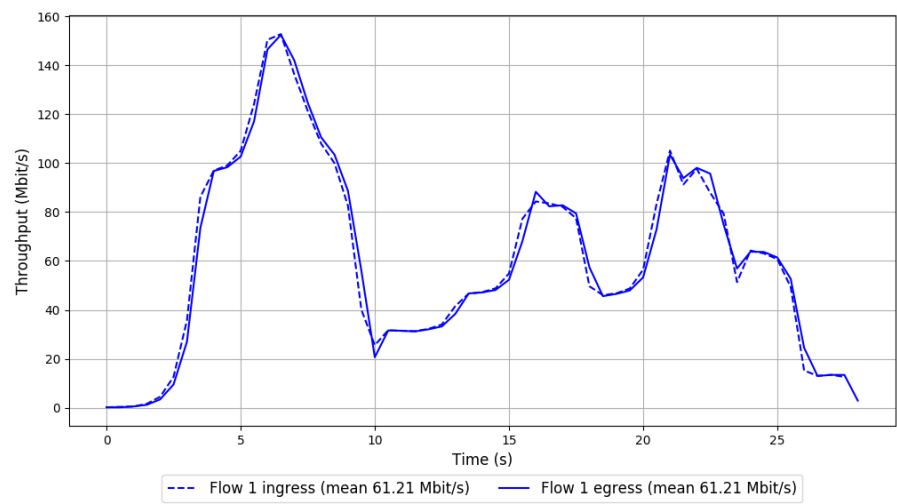
-- Flow 1:

Average throughput: 61.21 Mbit/s

95th percentile per-packet one-way delay: 136.531 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-17 02:58:00

End at: 2018-01-17 02:58:30

Below is generated by plot.py at 2018-01-17 05:20:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.44 Mbit/s

95th percentile per-packet one-way delay: 136.390 ms

Loss rate: 0.00%

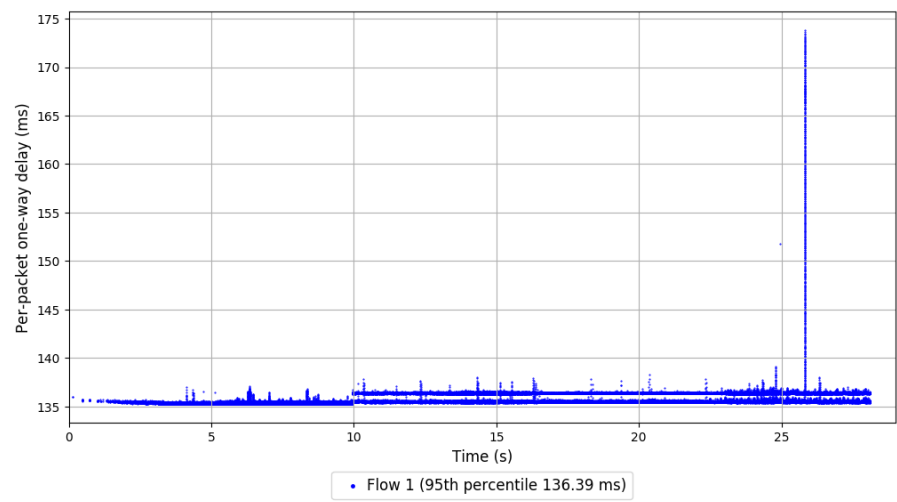
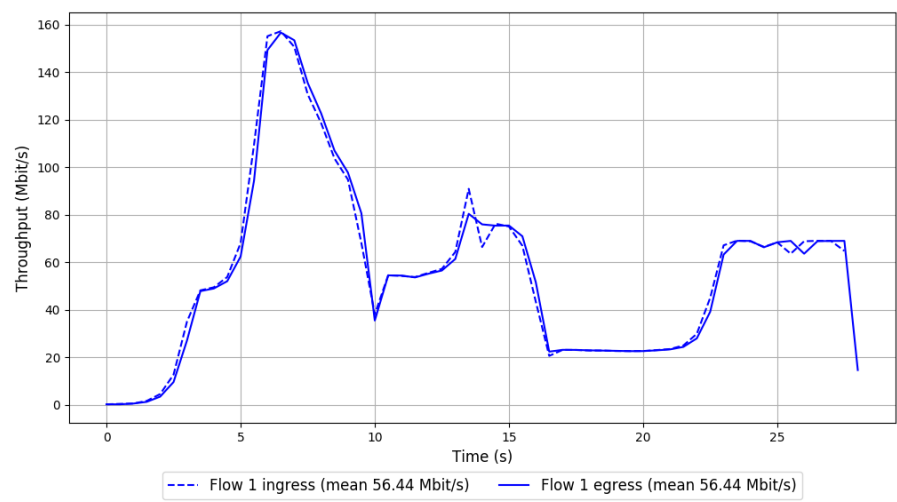
-- Flow 1:

Average throughput: 56.44 Mbit/s

95th percentile per-packet one-way delay: 136.390 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-17 03:14:05

End at: 2018-01-17 03:14:35

Below is generated by plot.py at 2018-01-17 05:20:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.69 Mbit/s

95th percentile per-packet one-way delay: 136.395 ms

Loss rate: 0.00%

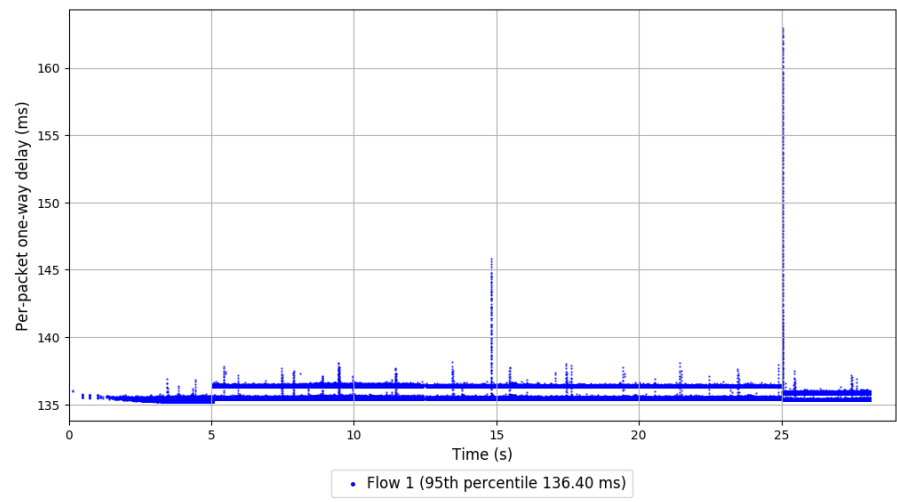
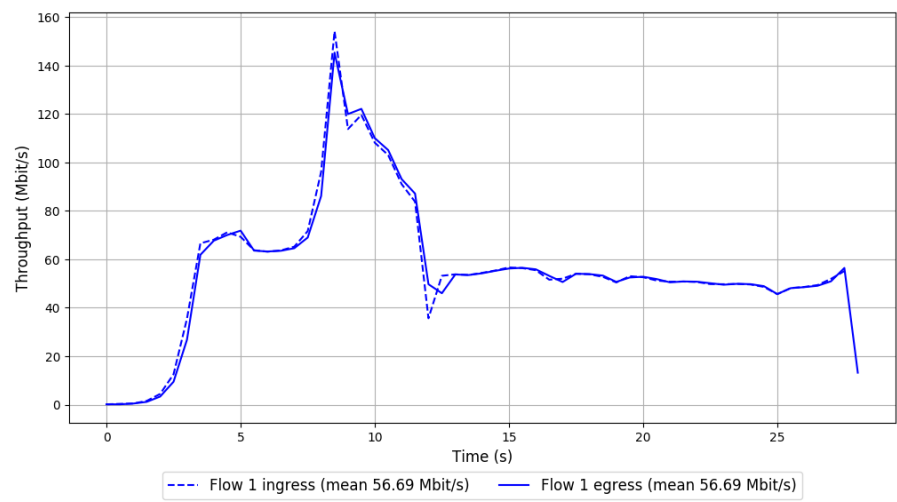
-- Flow 1:

Average throughput: 56.69 Mbit/s

95th percentile per-packet one-way delay: 136.395 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-17 03:30:23

End at: 2018-01-17 03:30:53

Below is generated by plot.py at 2018-01-17 05:20:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.98 Mbit/s

95th percentile per-packet one-way delay: 136.462 ms

Loss rate: 0.00%

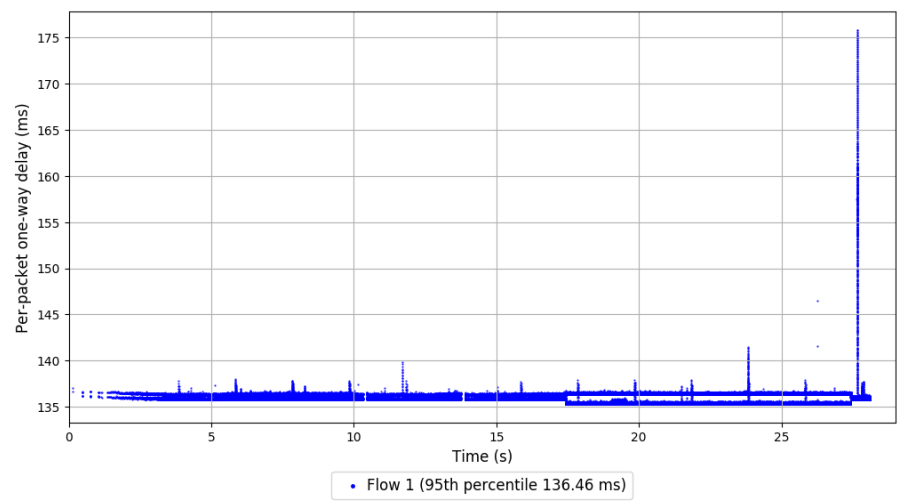
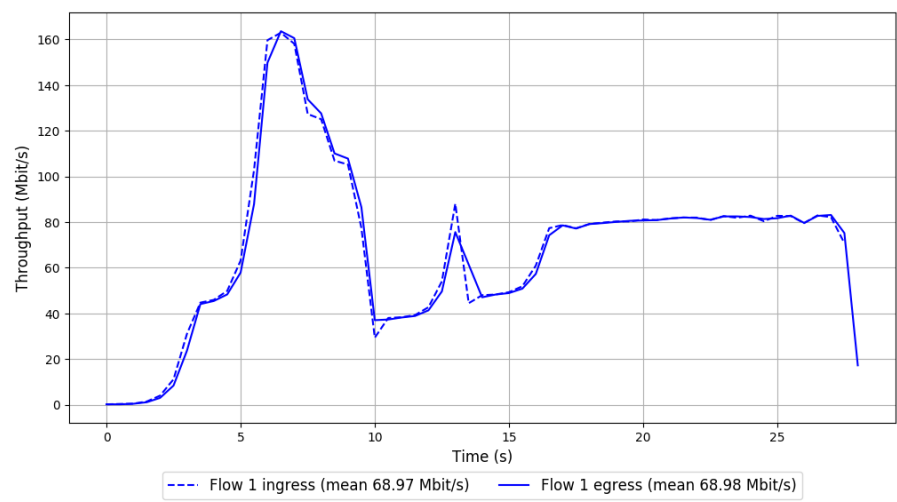
-- Flow 1:

Average throughput: 68.98 Mbit/s

95th percentile per-packet one-way delay: 136.462 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

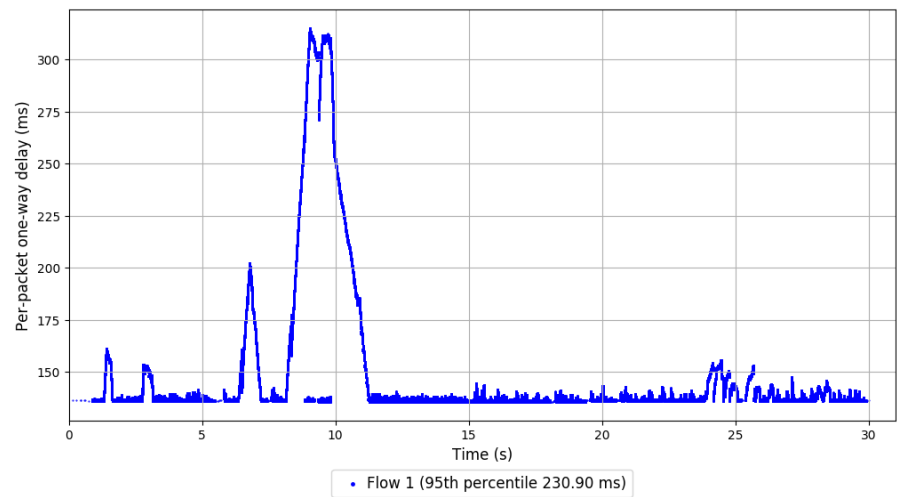
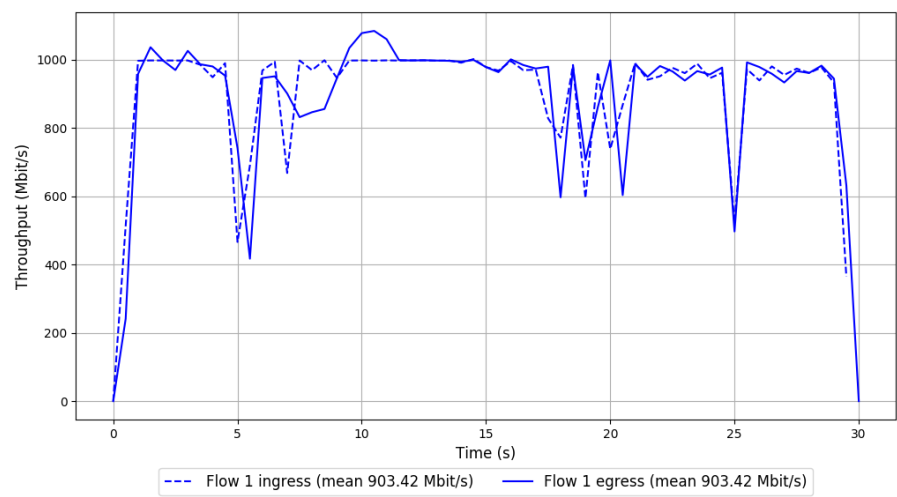


```
Run 1: Statistics of FillP

Start at: 2018-01-17 01:12:53
End at: 2018-01-17 01:13:23

# Below is generated by plot.py at 2018-01-17 05:36:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 903.42 Mbit/s
95th percentile per-packet one-way delay: 230.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 903.42 Mbit/s
95th percentile per-packet one-way delay: 230.898 ms
Loss rate: 0.00%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-17 01:28:39

End at: 2018-01-17 01:29:09

Below is generated by plot.py at 2018-01-17 05:36:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 869.81 Mbit/s

95th percentile per-packet one-way delay: 159.150 ms

Loss rate: 0.00%

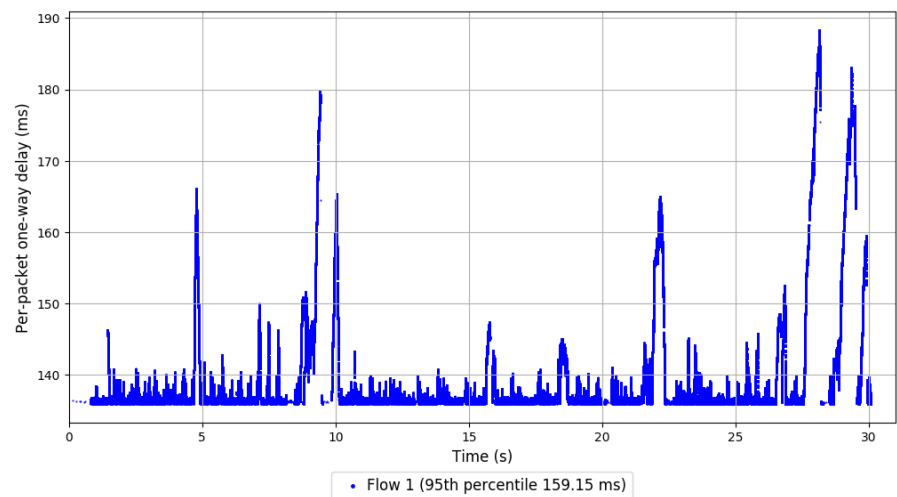
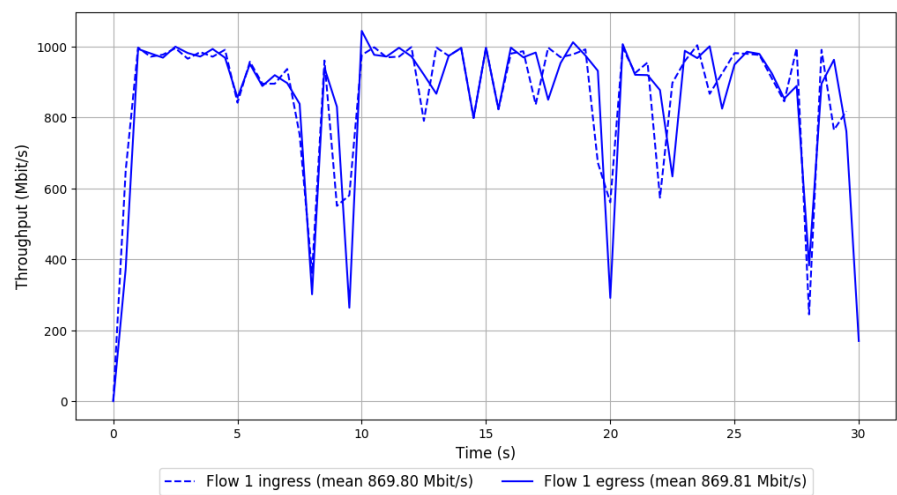
-- Flow 1:

Average throughput: 869.81 Mbit/s

95th percentile per-packet one-way delay: 159.150 ms

Loss rate: 0.00%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-17 01:43:33

End at: 2018-01-17 01:44:03

Below is generated by plot.py at 2018-01-17 05:37:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 928.73 Mbit/s

95th percentile per-packet one-way delay: 161.434 ms

Loss rate: 0.47%

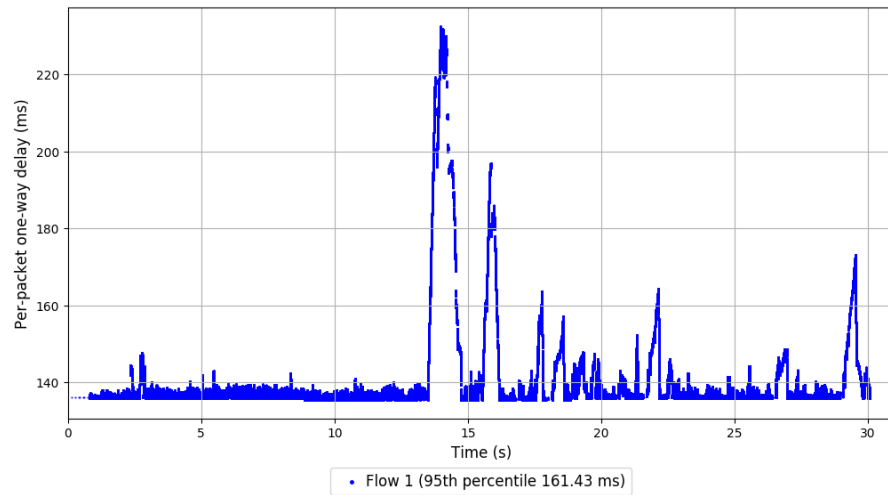
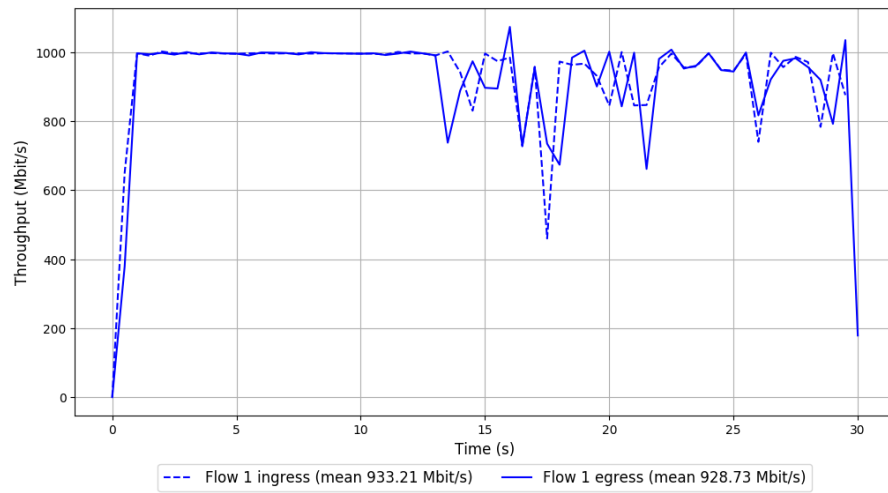
-- Flow 1:

Average throughput: 928.73 Mbit/s

95th percentile per-packet one-way delay: 161.434 ms

Loss rate: 0.47%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-17 01:59:10

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

Below is generated by plot.py at 2018-01-17 05:37:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 944.48 Mbit/s

95th percentile per-packet one-way delay: 157.545 ms

Loss rate: 0.04%

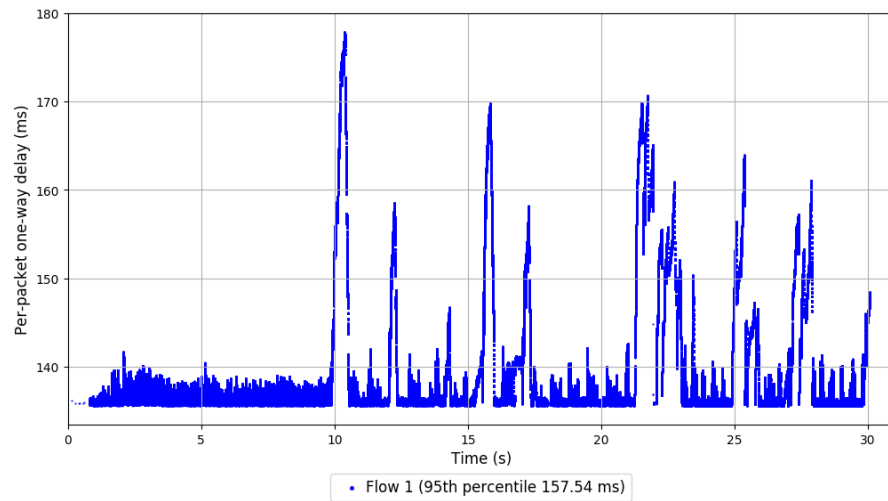
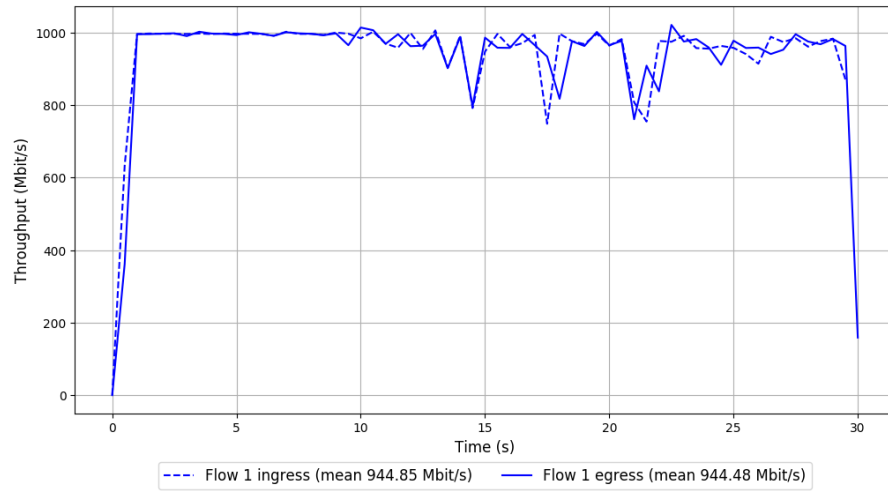
-- Flow 1:

Average throughput: 944.48 Mbit/s

95th percentile per-packet one-way delay: 157.545 ms

Loss rate: 0.04%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-17 02:15:13

End at: 2018-01-17 02:15:43

Below is generated by plot.py at 2018-01-17 05:37:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 932.44 Mbit/s

95th percentile per-packet one-way delay: 175.526 ms

Loss rate: 0.56%

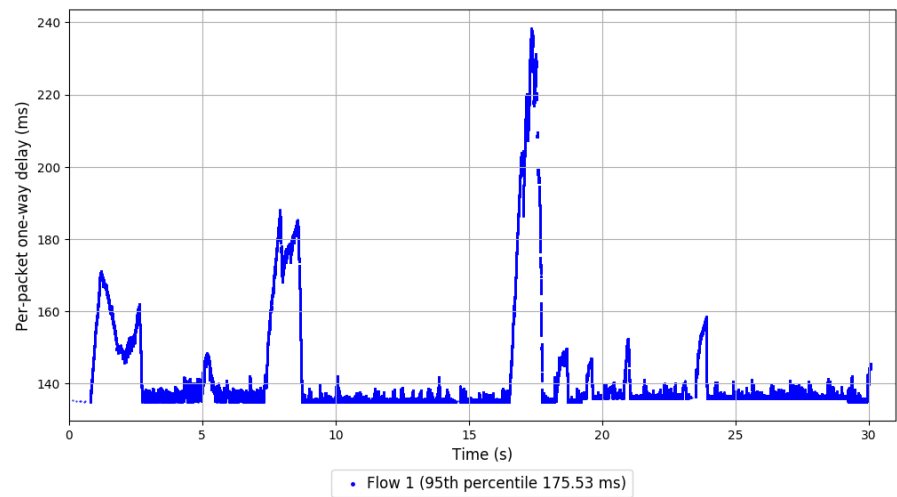
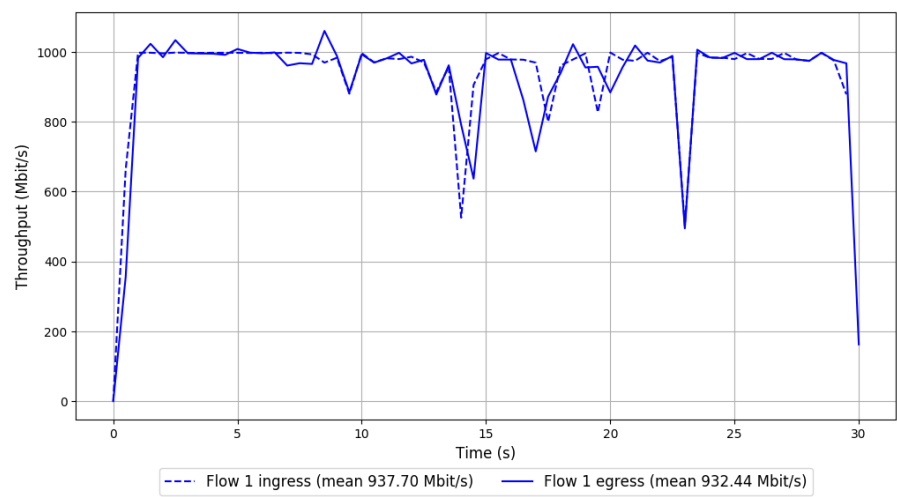
-- Flow 1:

Average throughput: 932.44 Mbit/s

95th percentile per-packet one-way delay: 175.526 ms

Loss rate: 0.56%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-17 02:31:18

End at: 2018-01-17 02:31:48

Below is generated by plot.py at 2018-01-17 05:37:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 927.49 Mbit/s

95th percentile per-packet one-way delay: 152.910 ms

Loss rate: 0.57%

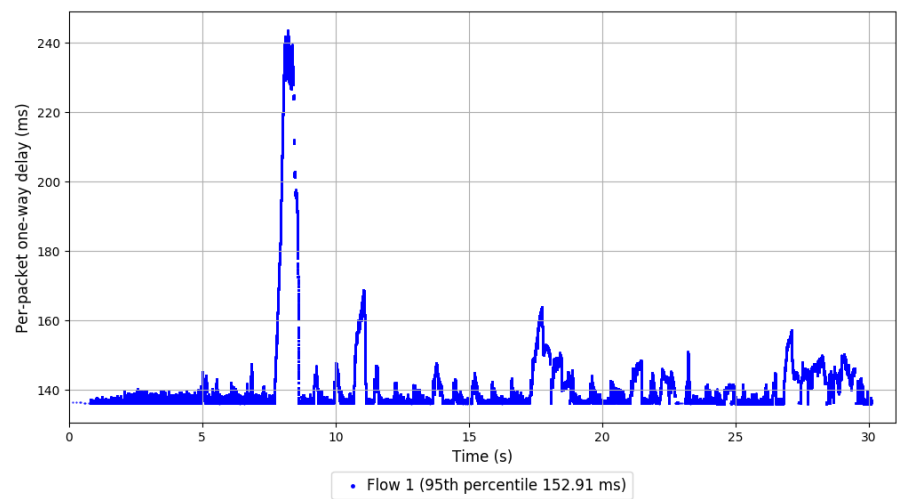
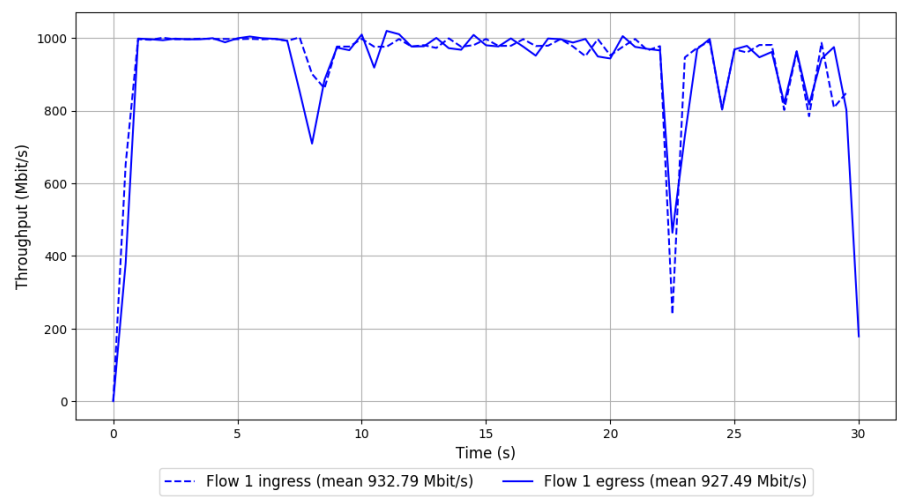
-- Flow 1:

Average throughput: 927.49 Mbit/s

95th percentile per-packet one-way delay: 152.910 ms

Loss rate: 0.57%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-17 02:47:01

End at: 2018-01-17 02:47:31

Below is generated by plot.py at 2018-01-17 05:38:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 912.66 Mbit/s

95th percentile per-packet one-way delay: 155.341 ms

Loss rate: 0.00%

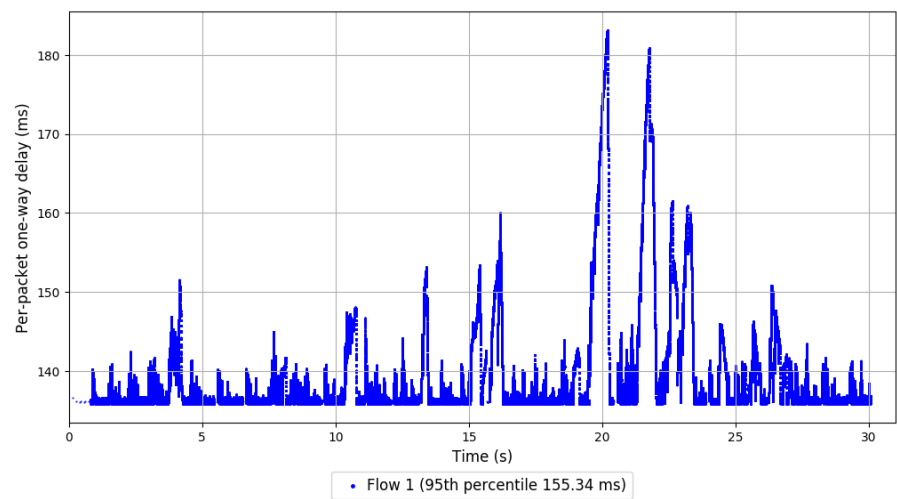
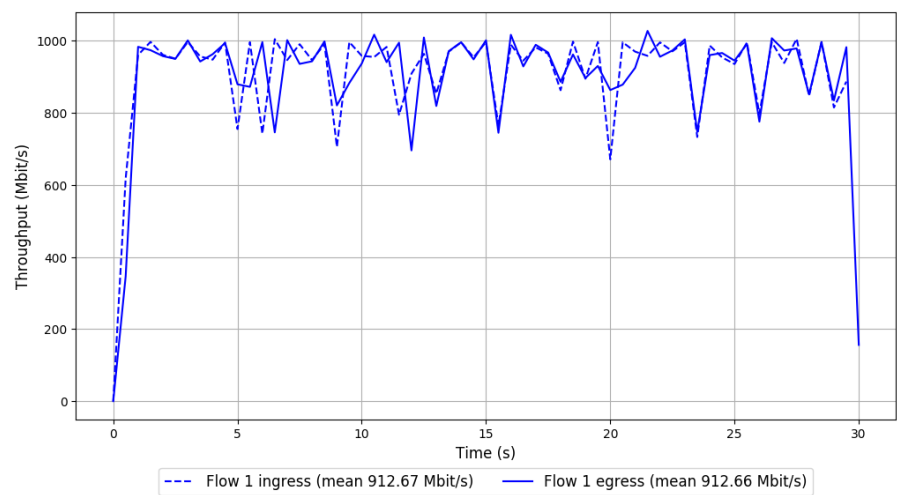
-- Flow 1:

Average throughput: 912.66 Mbit/s

95th percentile per-packet one-way delay: 155.341 ms

Loss rate: 0.00%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-17 03:03:06

End at: 2018-01-17 03:03:36

Below is generated by plot.py at 2018-01-17 05:38:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 928.47 Mbit/s

95th percentile per-packet one-way delay: 186.930 ms

Loss rate: 0.35%

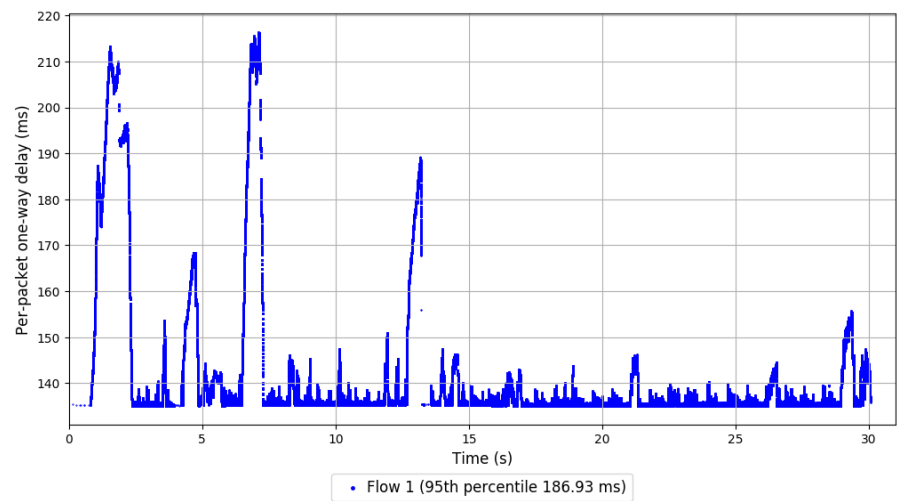
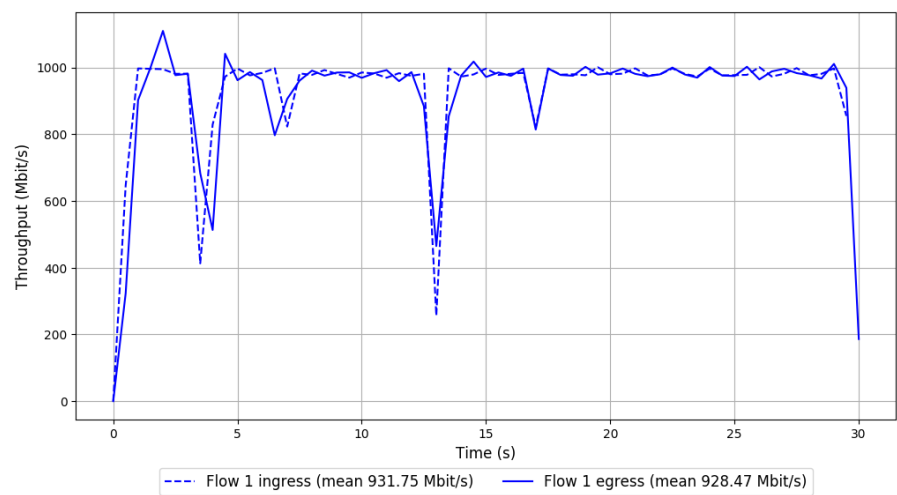
-- Flow 1:

Average throughput: 928.47 Mbit/s

95th percentile per-packet one-way delay: 186.930 ms

Loss rate: 0.35%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-17 03:19:22

End at: 2018-01-17 03:19:52

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 939.78 Mbit/s

95th percentile per-packet one-way delay: 186.060 ms

Loss rate: 0.14%

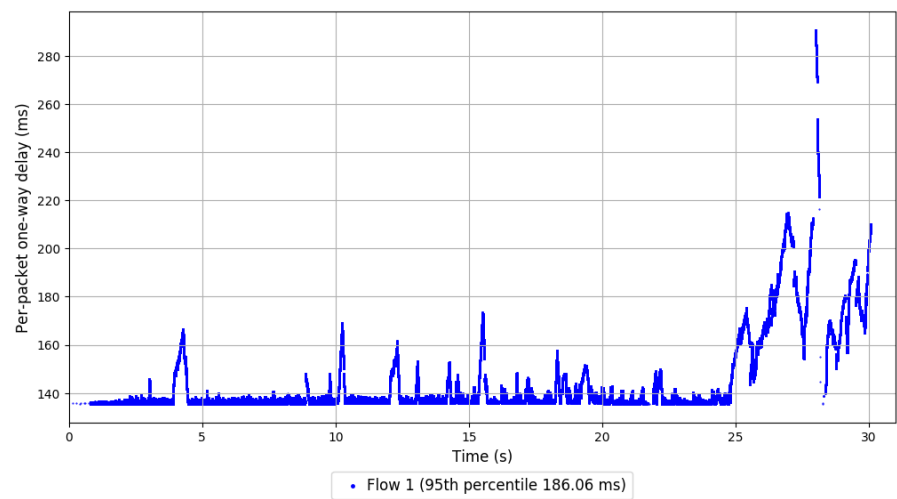
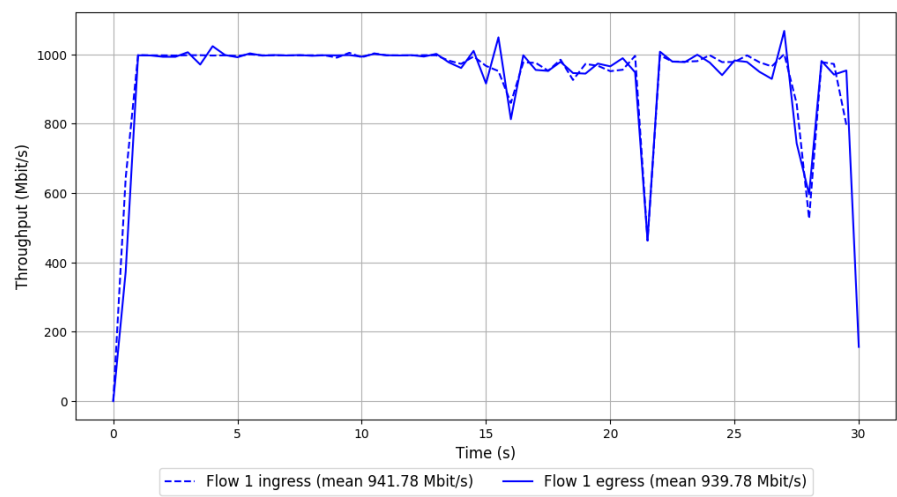
-- Flow 1:

Average throughput: 939.78 Mbit/s

95th percentile per-packet one-way delay: 186.060 ms

Loss rate: 0.14%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-01-17 03:35:45

End at: 2018-01-17 03:36:15

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 903.68 Mbit/s

95th percentile per-packet one-way delay: 169.524 ms

Loss rate: 0.19%

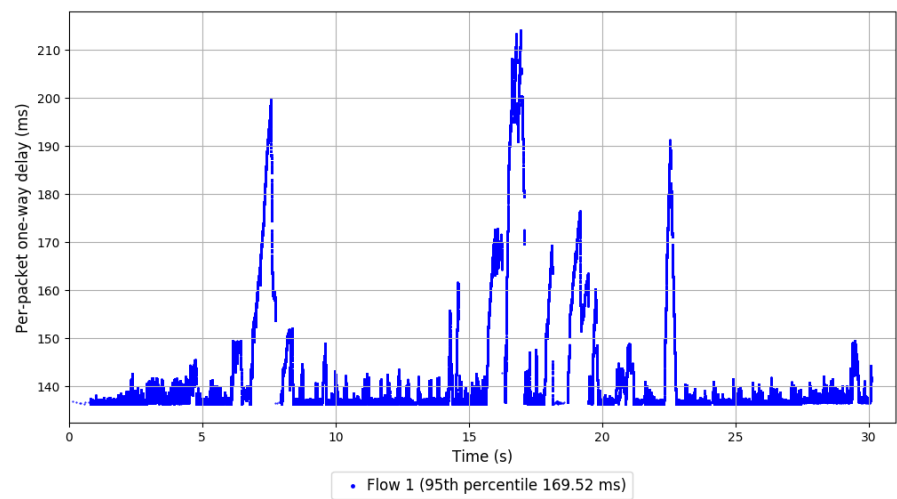
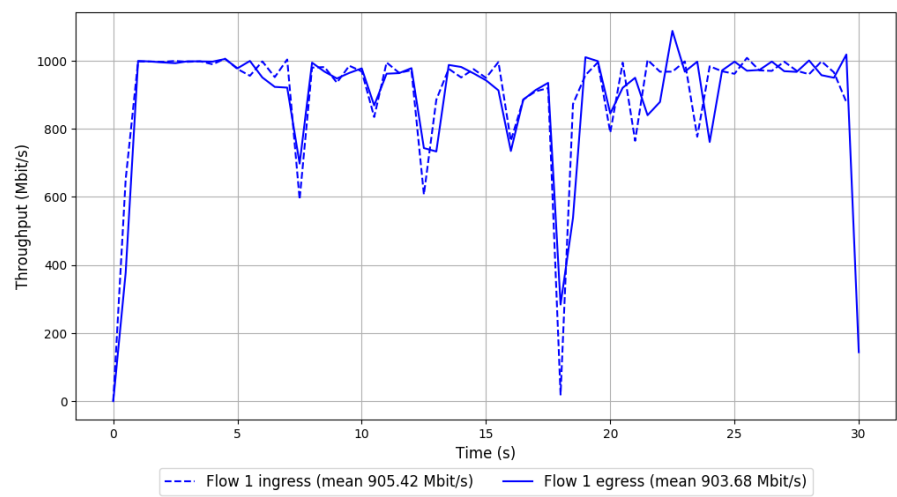
-- Flow 1:

Average throughput: 903.68 Mbit/s

95th percentile per-packet one-way delay: 169.524 ms

Loss rate: 0.19%

Run 10: Report of FillP — Data Link

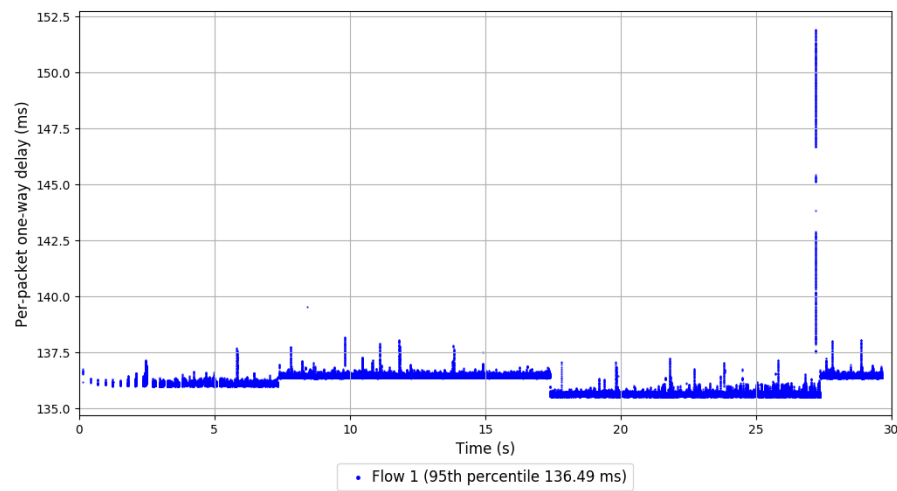
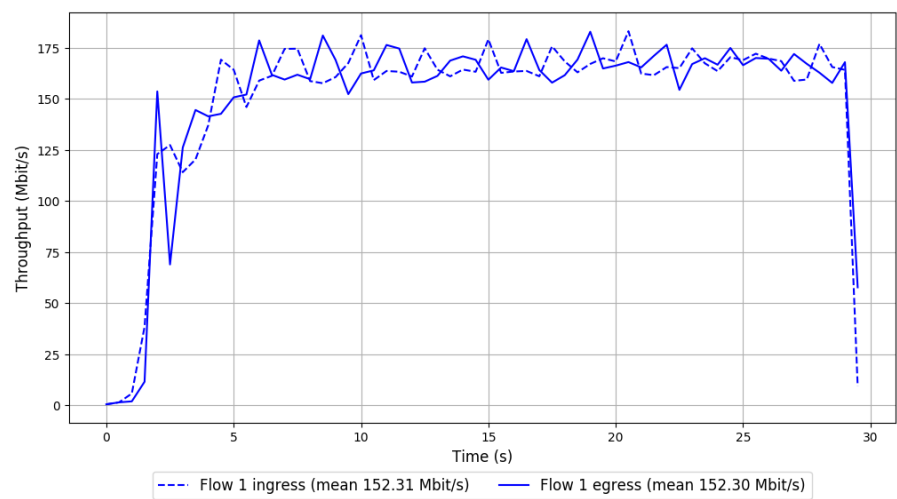


```
Run 1: Statistics of Indigo

Start at: 2018-01-17 01:11:14
End at: 2018-01-17 01:11:44

# Below is generated by plot.py at 2018-01-17 05:54:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.30 Mbit/s
95th percentile per-packet one-way delay: 136.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.30 Mbit/s
95th percentile per-packet one-way delay: 136.487 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-01-17 01:27:03

End at: 2018-01-17 01:27:33

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.81 Mbit/s

95th percentile per-packet one-way delay: 163.257 ms

Loss rate: 0.23%

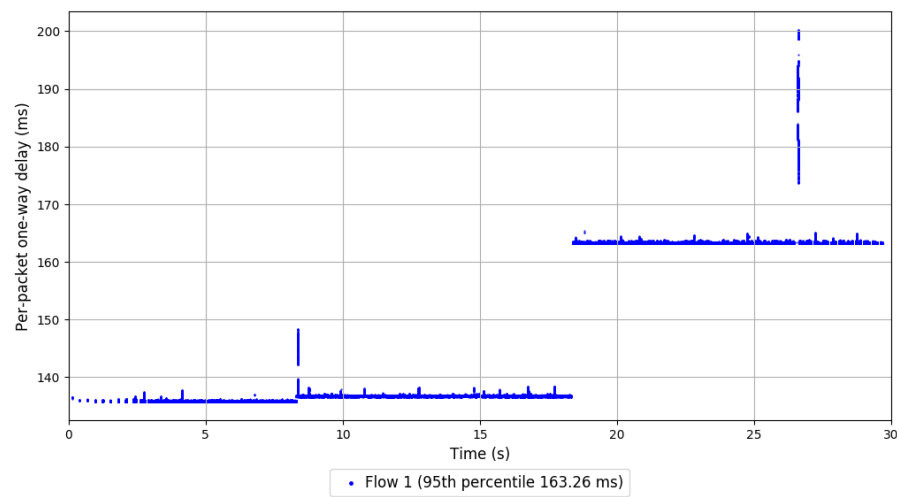
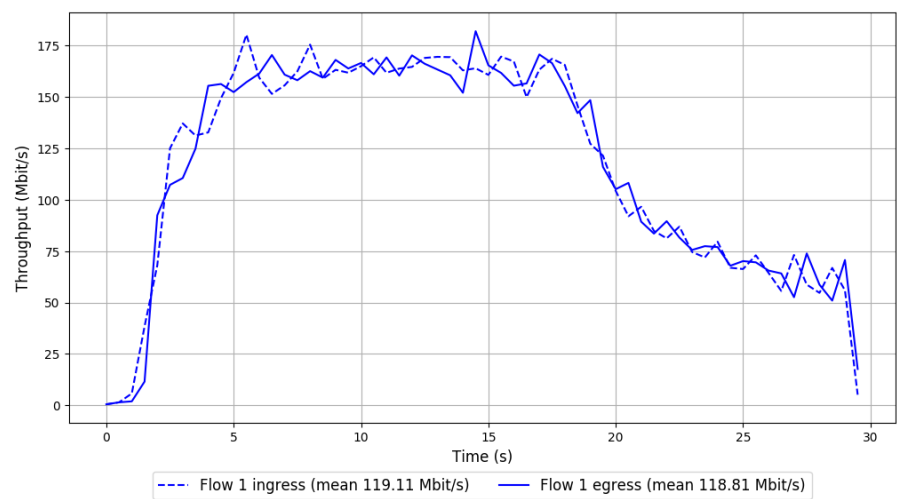
-- Flow 1:

Average throughput: 118.81 Mbit/s

95th percentile per-packet one-way delay: 163.257 ms

Loss rate: 0.23%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

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

End at: 2018-01-17 01:42:30

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 163.232 ms

Loss rate: 0.18%

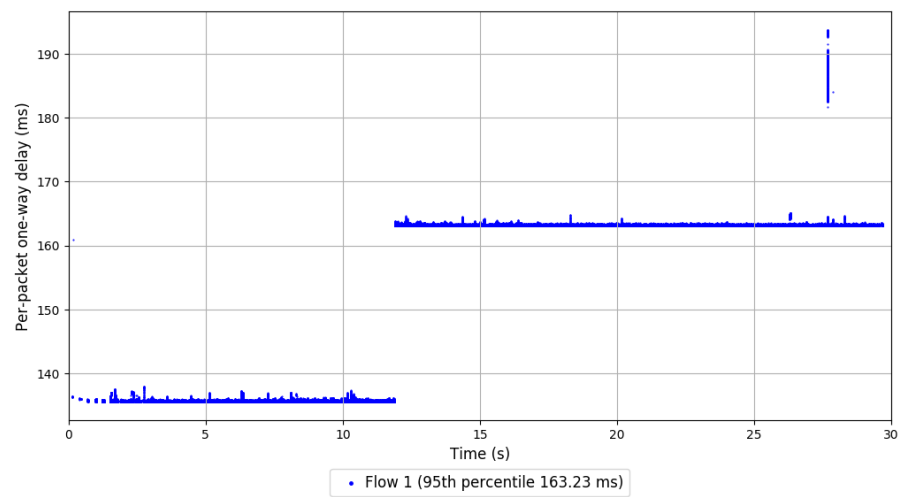
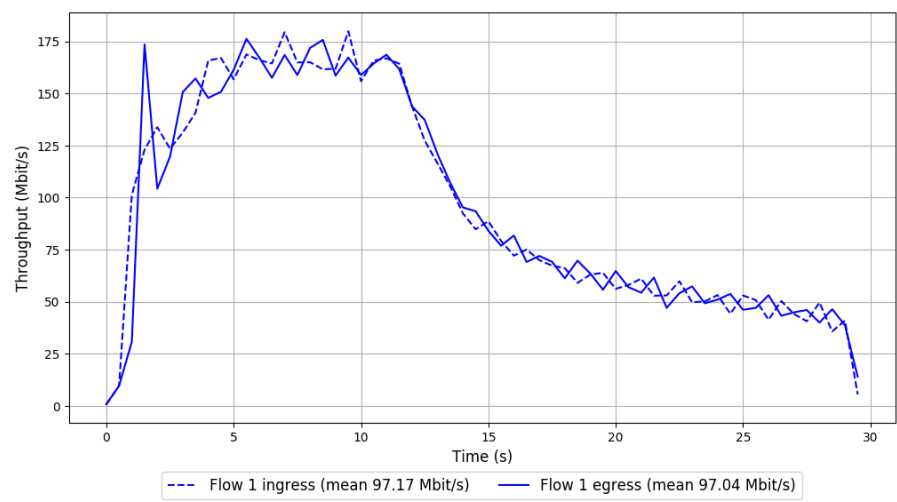
-- Flow 1:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 163.232 ms

Loss rate: 0.18%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-01-17 01:57:33

End at: 2018-01-17 01:58:03

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.00 Mbit/s

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

Loss rate: 0.00%

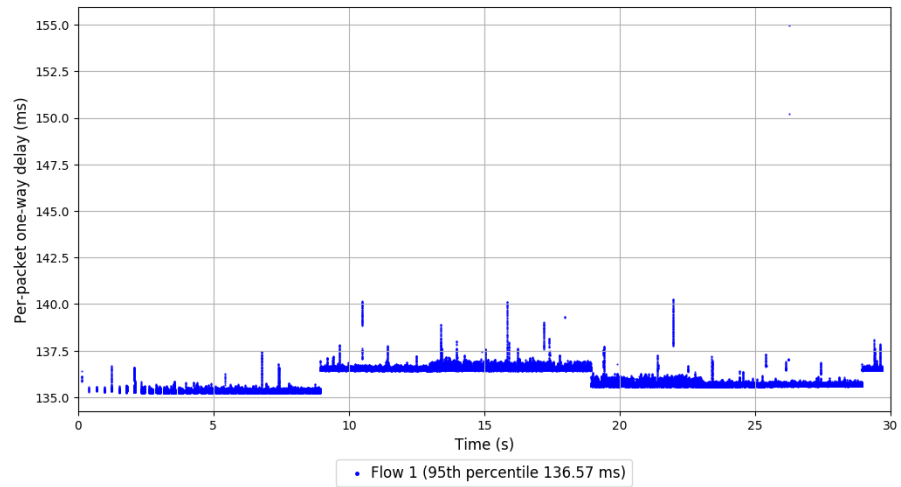
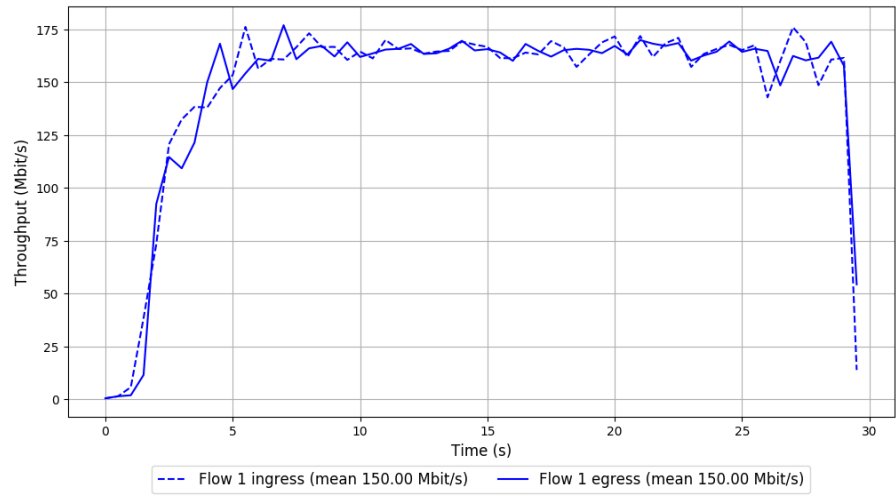
-- Flow 1:

Average throughput: 150.00 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-17 02:13:35

End at: 2018-01-17 02:14:05

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.11 Mbit/s

95th percentile per-packet one-way delay: 136.536 ms

Loss rate: 0.00%

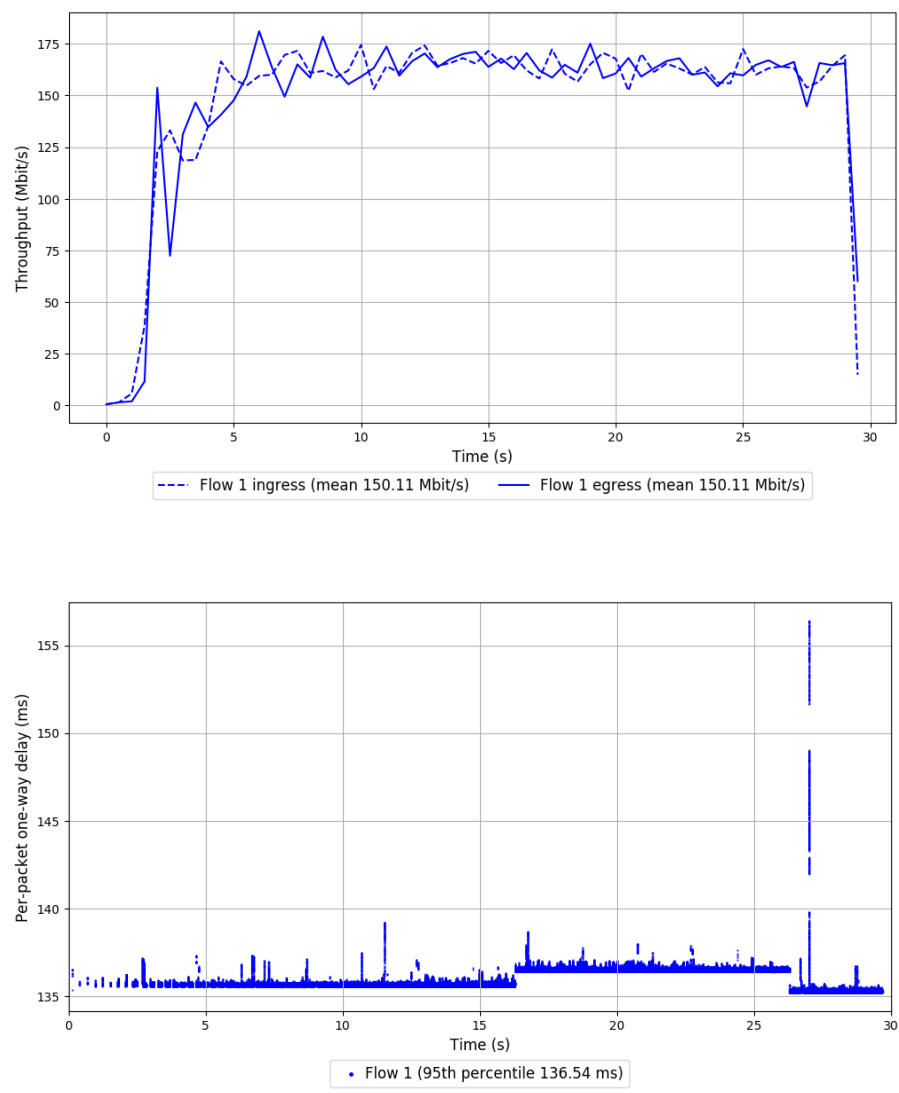
-- Flow 1:

Average throughput: 150.11 Mbit/s

95th percentile per-packet one-way delay: 136.536 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-01-17 02:29:40

End at: 2018-01-17 02:30:10

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.18 Mbit/s

95th percentile per-packet one-way delay: 136.592 ms

Loss rate: 0.00%

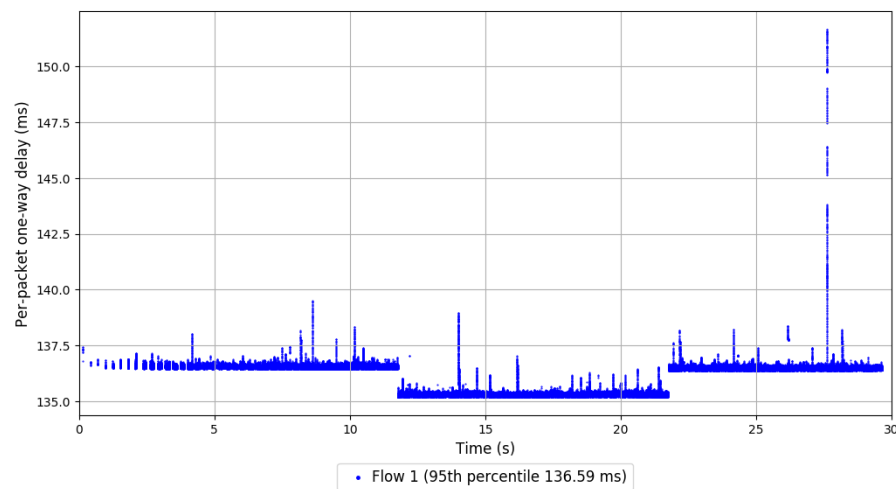
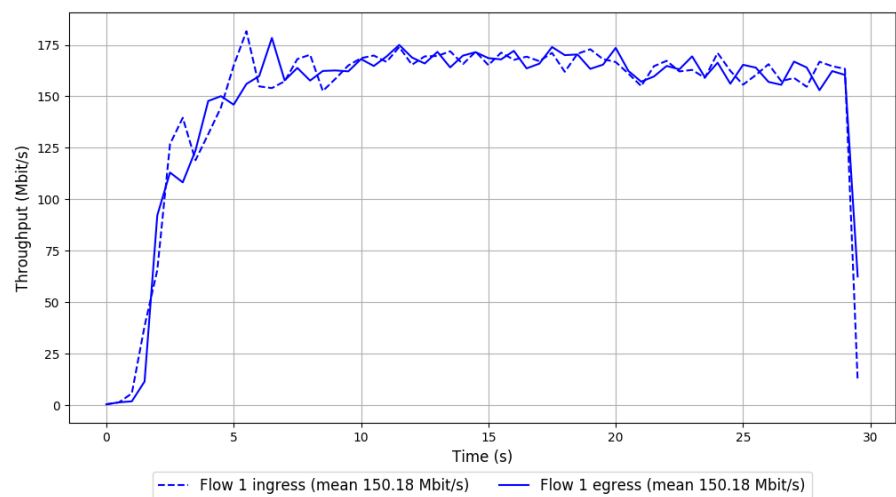
-- Flow 1:

Average throughput: 150.18 Mbit/s

95th percentile per-packet one-way delay: 136.592 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-17 02:45:23

End at: 2018-01-17 02:45:53

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.43 Mbit/s

95th percentile per-packet one-way delay: 136.588 ms

Loss rate: 0.12%

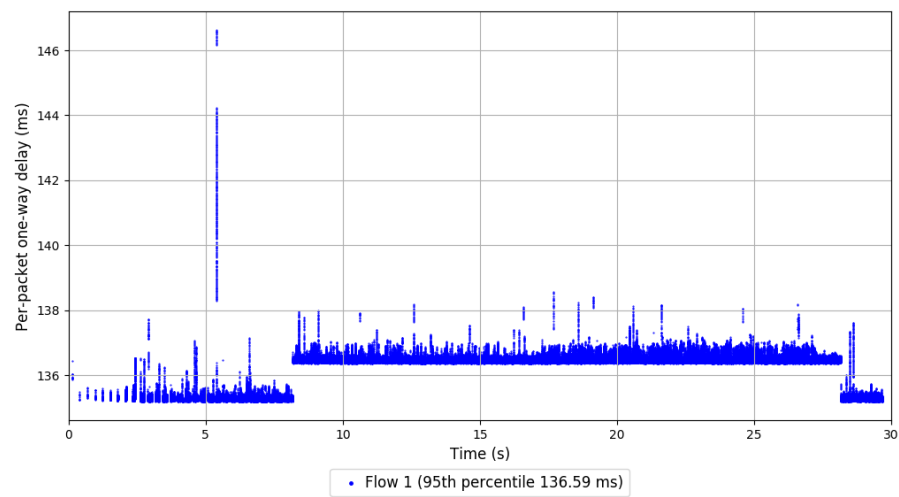
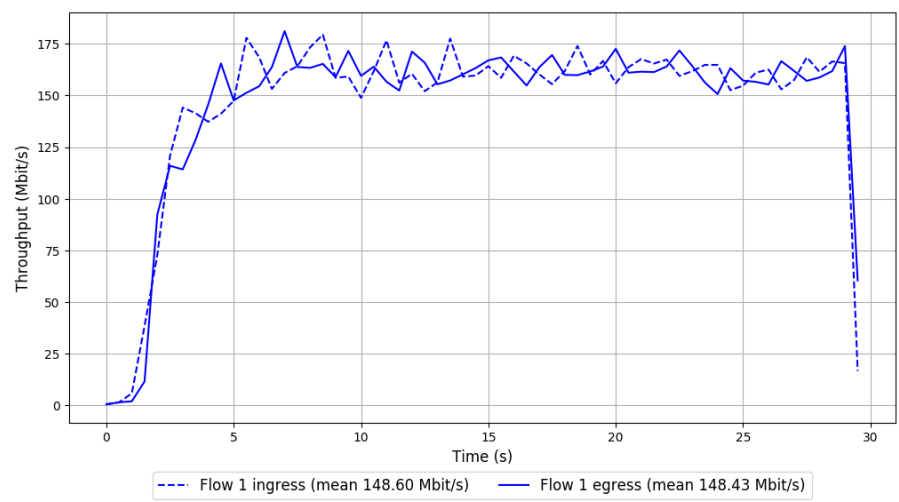
-- Flow 1:

Average throughput: 148.43 Mbit/s

95th percentile per-packet one-way delay: 136.588 ms

Loss rate: 0.12%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-01-17 03:01:29

End at: 2018-01-17 03:01:59

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.46 Mbit/s

95th percentile per-packet one-way delay: 136.405 ms

Loss rate: 0.00%

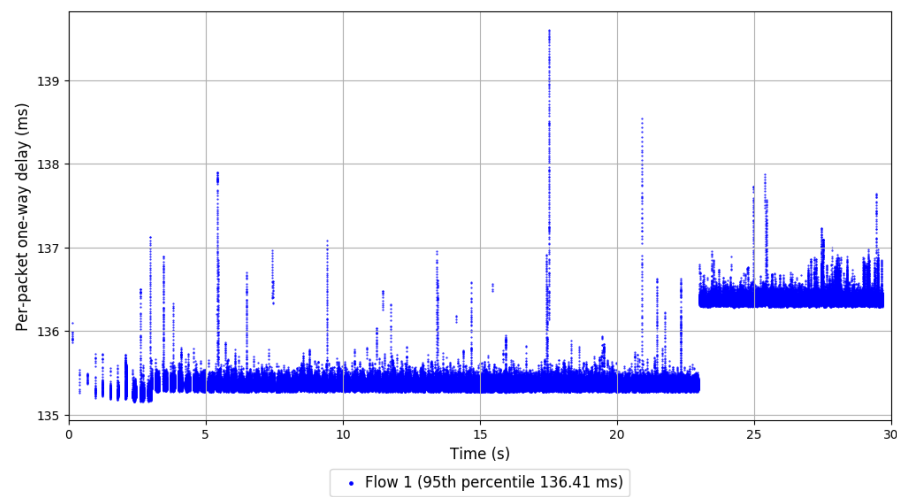
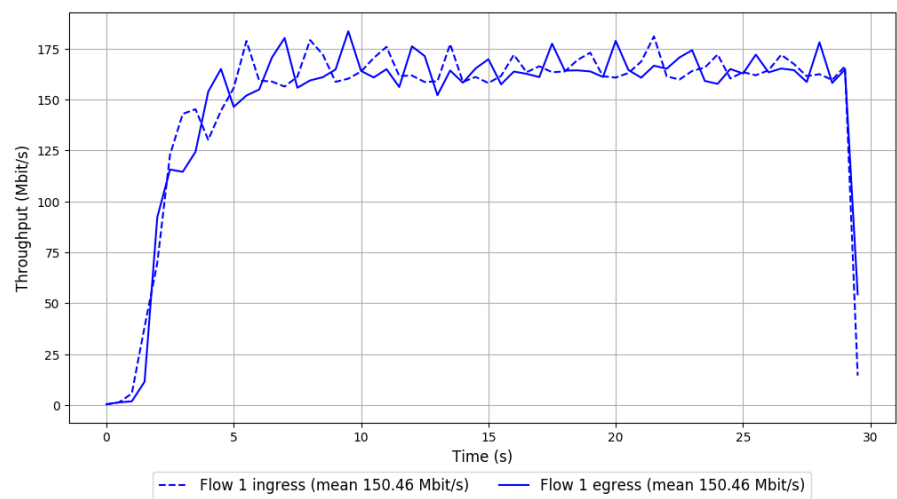
-- Flow 1:

Average throughput: 150.46 Mbit/s

95th percentile per-packet one-way delay: 136.405 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-01-17 03:17:45

End at: 2018-01-17 03:18:15

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.24 Mbit/s

95th percentile per-packet one-way delay: 136.456 ms

Loss rate: 0.00%

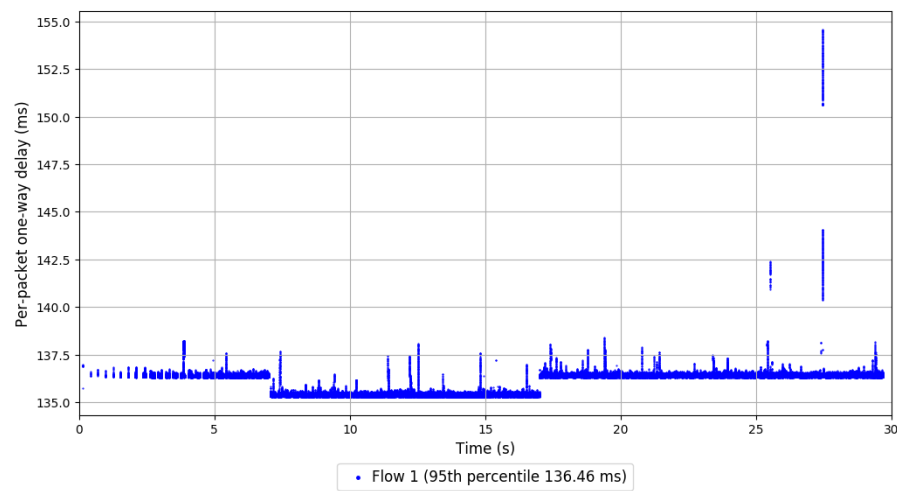
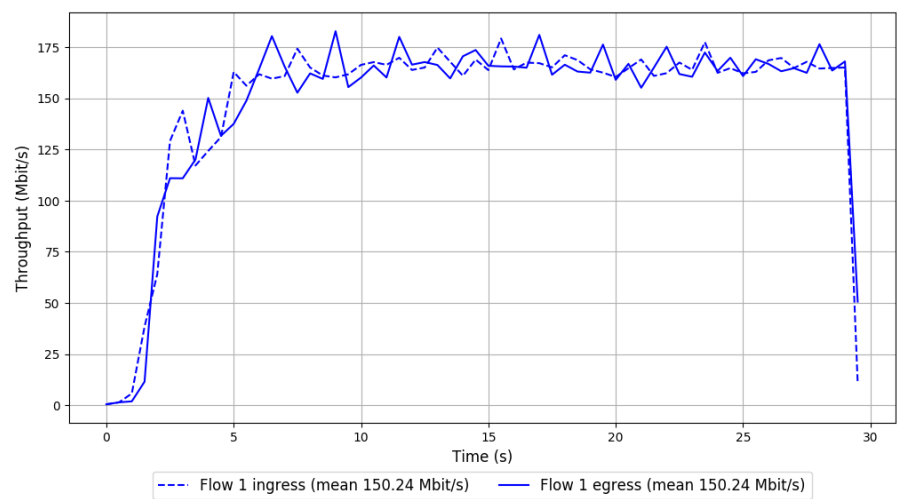
-- Flow 1:

Average throughput: 150.24 Mbit/s

95th percentile per-packet one-way delay: 136.456 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-17 03:34:06

End at: 2018-01-17 03:34:36

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.53 Mbit/s

95th percentile per-packet one-way delay: 136.435 ms

Loss rate: 0.00%

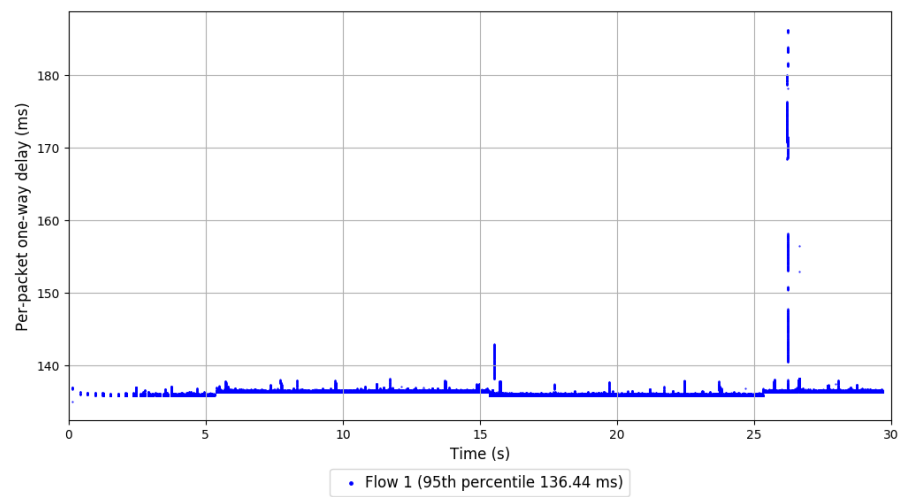
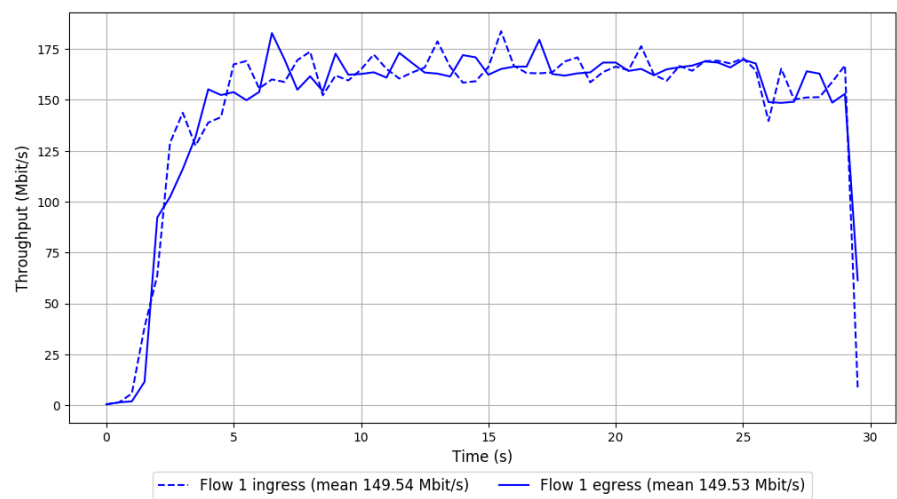
-- Flow 1:

Average throughput: 149.53 Mbit/s

95th percentile per-packet one-way delay: 136.435 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

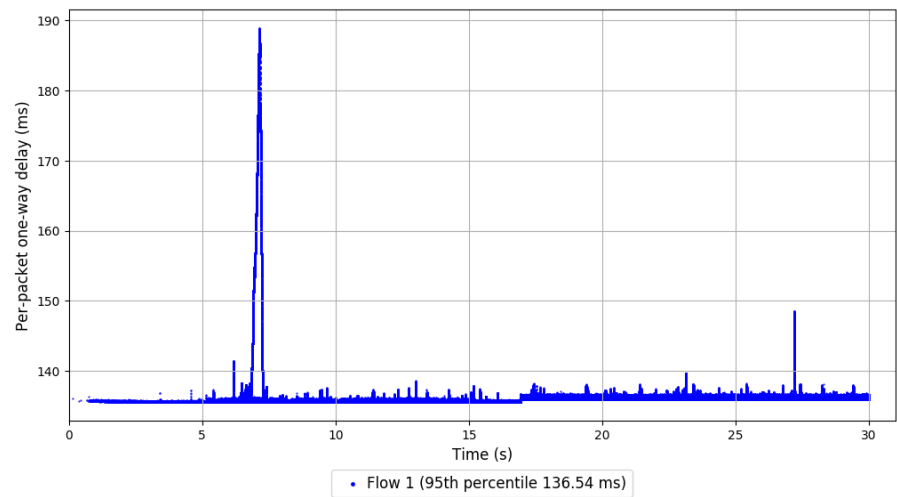
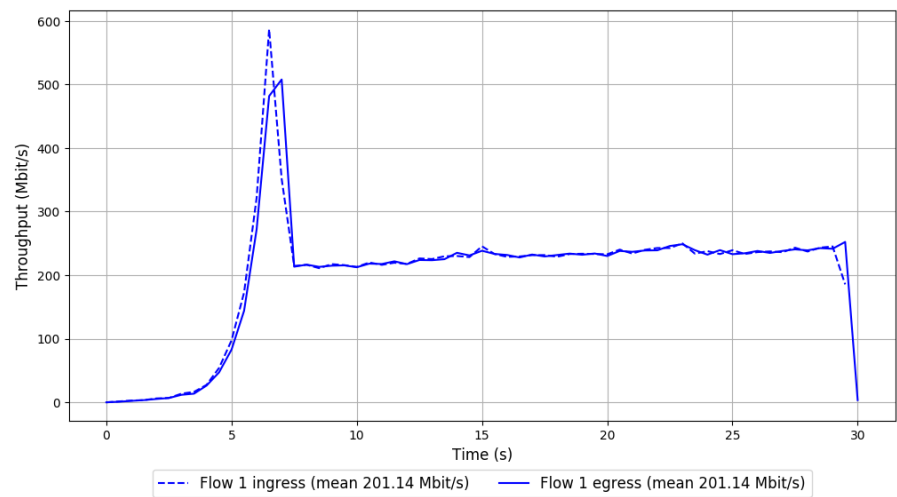


```
Run 1: Statistics of Vivace-latency

Start at: 2018-01-17 01:01:35
End at: 2018-01-17 01:02:05

# Below is generated by plot.py at 2018-01-17 05:54:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.14 Mbit/s
95th percentile per-packet one-way delay: 136.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.14 Mbit/s
95th percentile per-packet one-way delay: 136.541 ms
Loss rate: 0.00%
```


Run 1: Report of Vivace-latency — Data Link

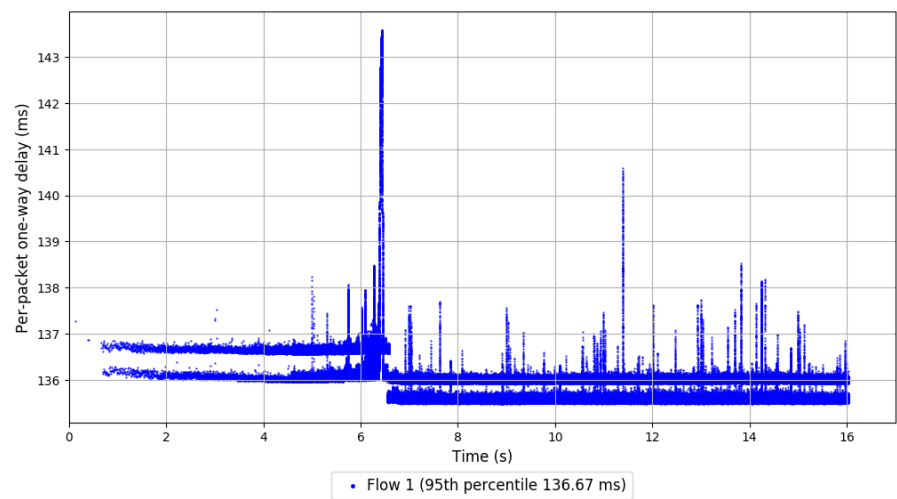
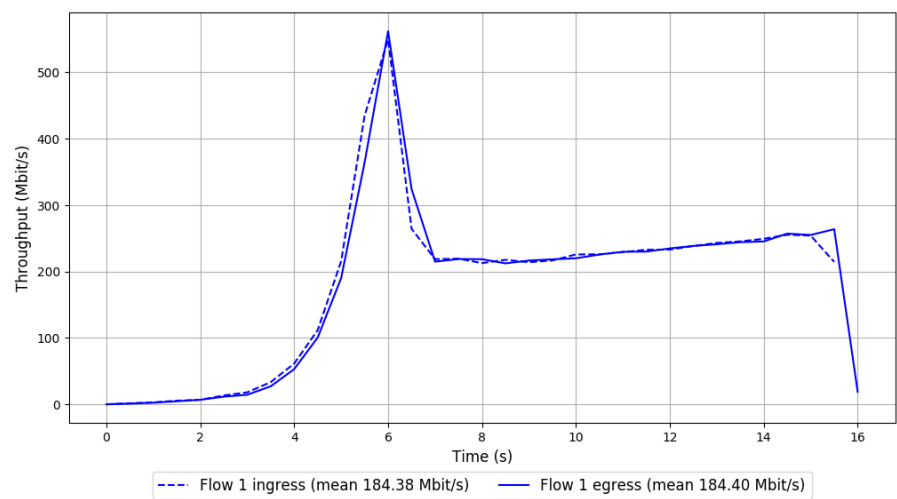


Run 2: Statistics of Vivace-latency

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

End at: 2018-01-17 01:18:31

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-17 01:33:25

End at: 2018-01-17 01:33:55

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.65 Mbit/s

95th percentile per-packet one-way delay: 163.260 ms

Loss rate: 0.00%

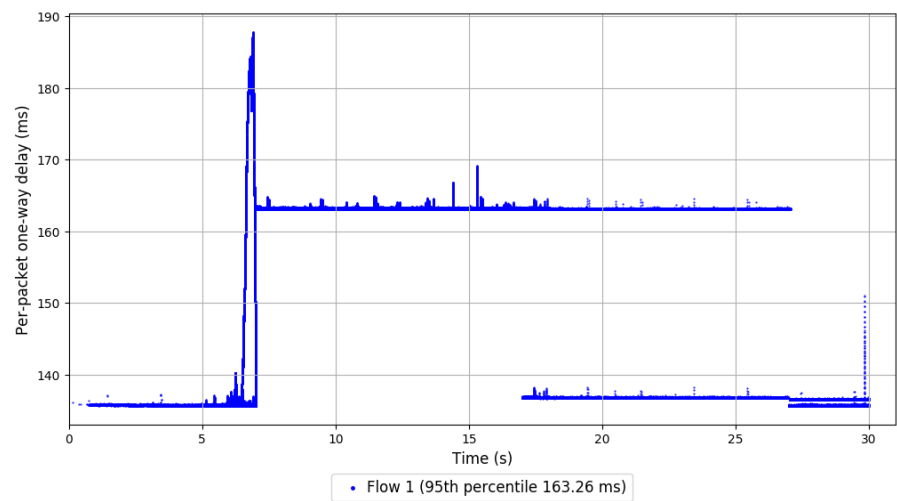
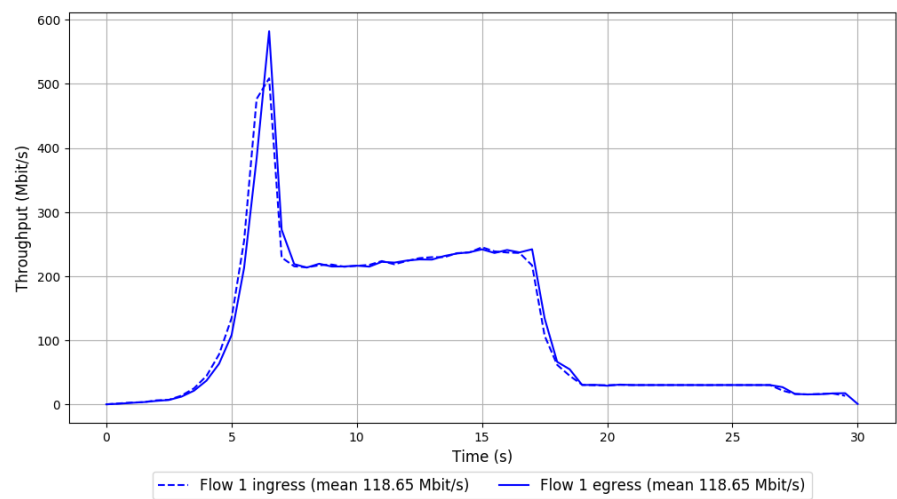
-- Flow 1:

Average throughput: 118.65 Mbit/s

95th percentile per-packet one-way delay: 163.260 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

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

End at: 2018-01-17 01:48:47

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.75 Mbit/s

95th percentile per-packet one-way delay: 136.928 ms

Loss rate: 0.00%

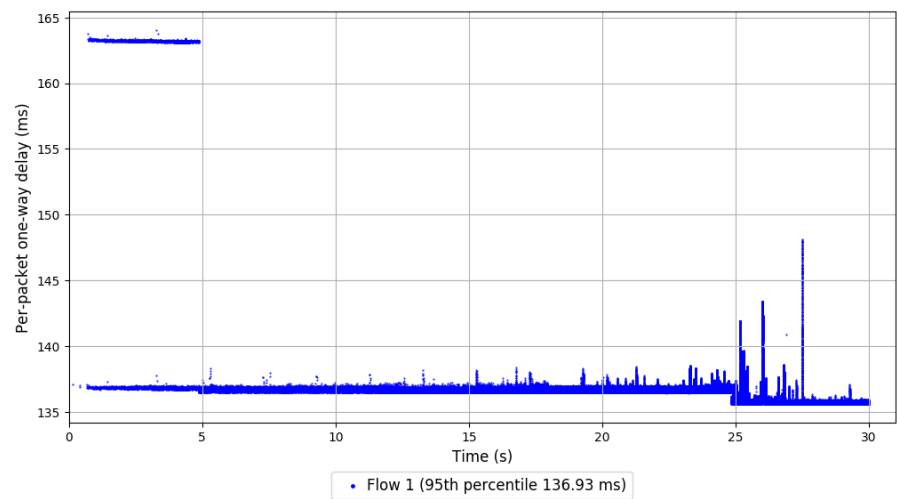
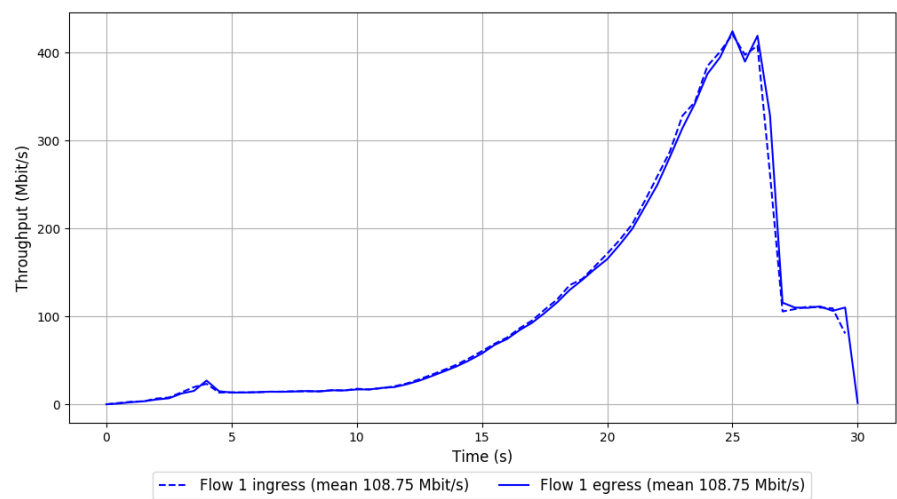
-- Flow 1:

Average throughput: 108.75 Mbit/s

95th percentile per-packet one-way delay: 136.928 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-17 02:03:56

End at: 2018-01-17 02:04:26

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.23 Mbit/s

95th percentile per-packet one-way delay: 136.545 ms

Loss rate: 0.00%

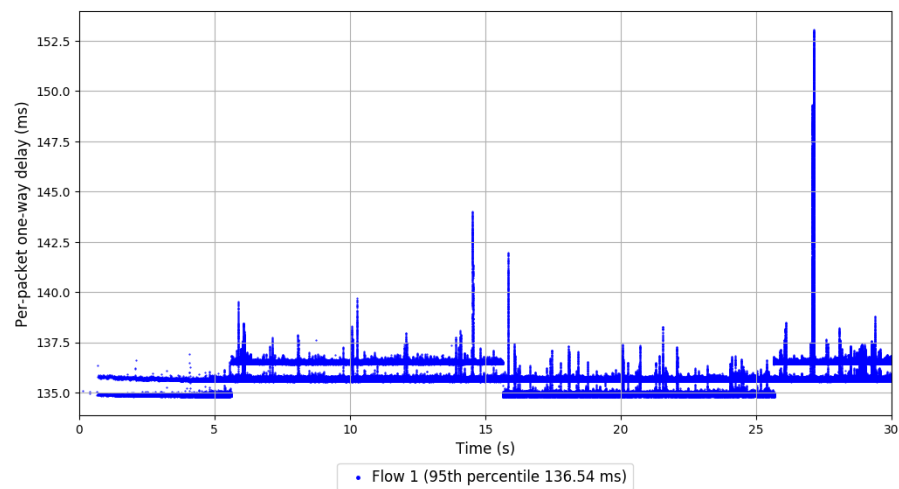
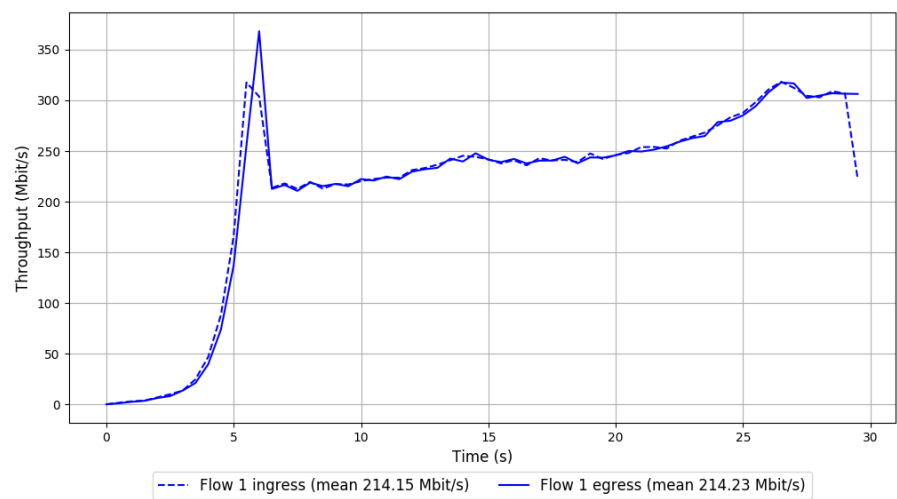
-- Flow 1:

Average throughput: 214.23 Mbit/s

95th percentile per-packet one-way delay: 136.545 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-17 02:19:49

End at: 2018-01-17 02:20:19

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.92 Mbit/s

95th percentile per-packet one-way delay: 136.887 ms

Loss rate: 0.00%

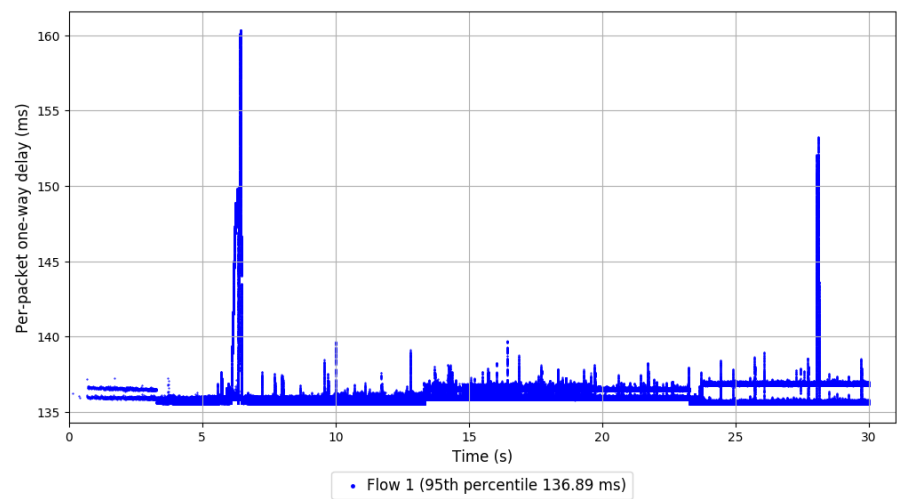
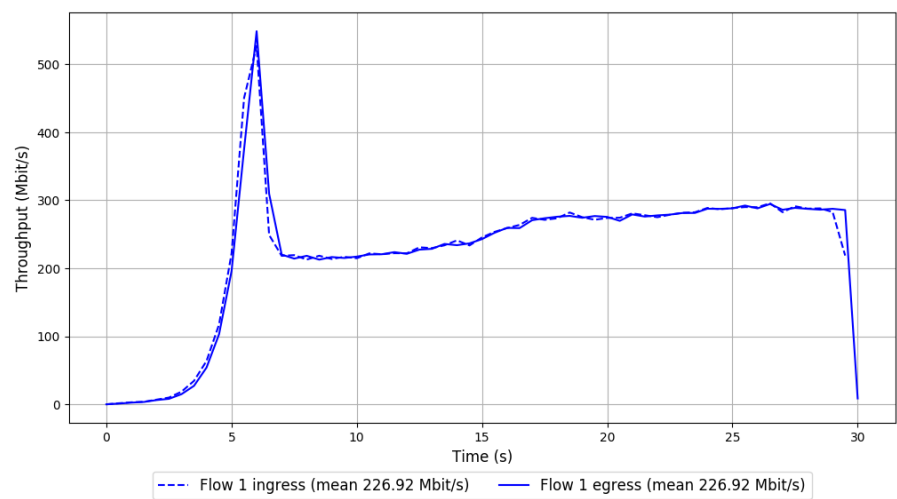
-- Flow 1:

Average throughput: 226.92 Mbit/s

95th percentile per-packet one-way delay: 136.887 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-01-17 02:35:42

End at: 2018-01-17 02:36:12

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.02 Mbit/s

95th percentile per-packet one-way delay: 136.593 ms

Loss rate: 0.00%

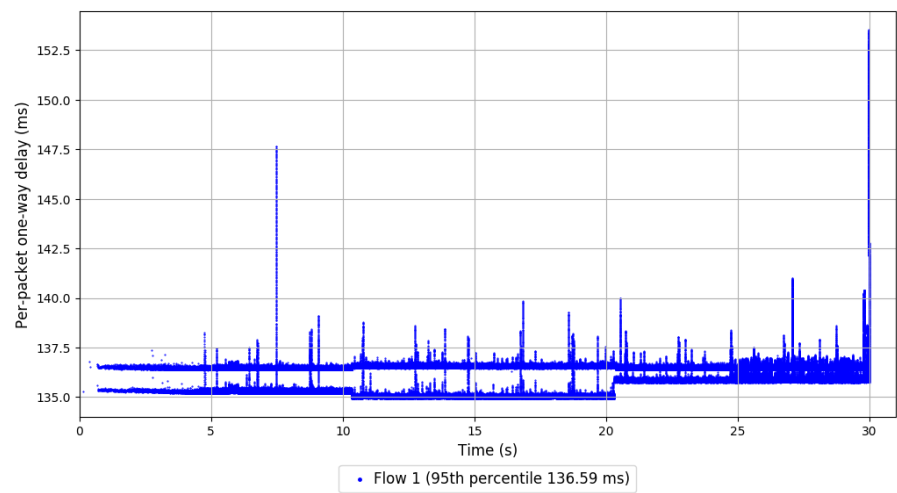
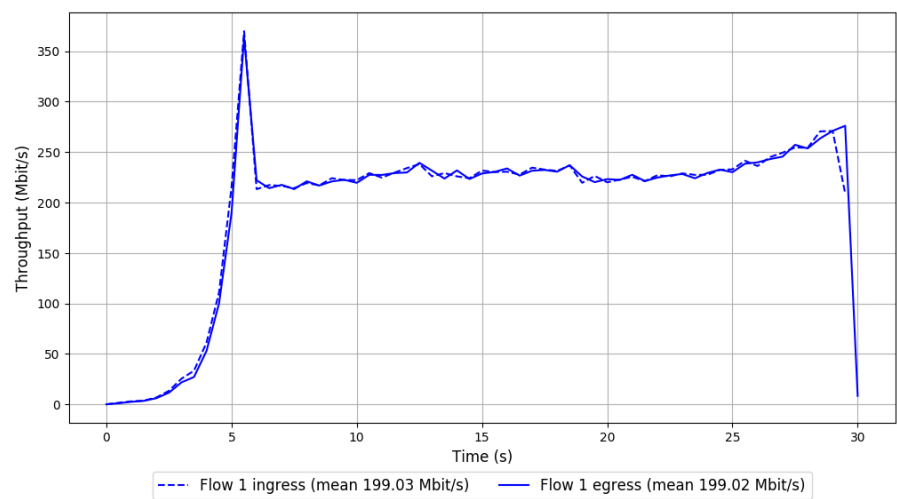
-- Flow 1:

Average throughput: 199.02 Mbit/s

95th percentile per-packet one-way delay: 136.593 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-17 02:51:48

End at: 2018-01-17 02:52:18

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.16 Mbit/s

95th percentile per-packet one-way delay: 136.546 ms

Loss rate: 0.00%

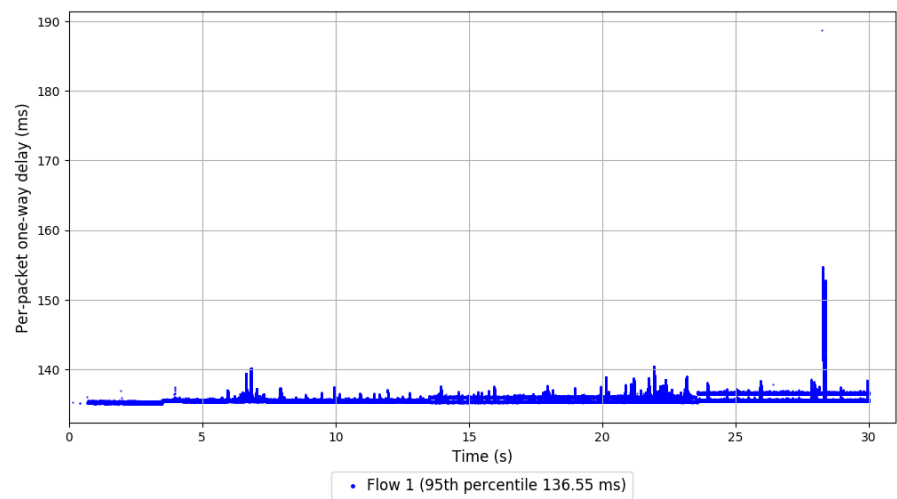
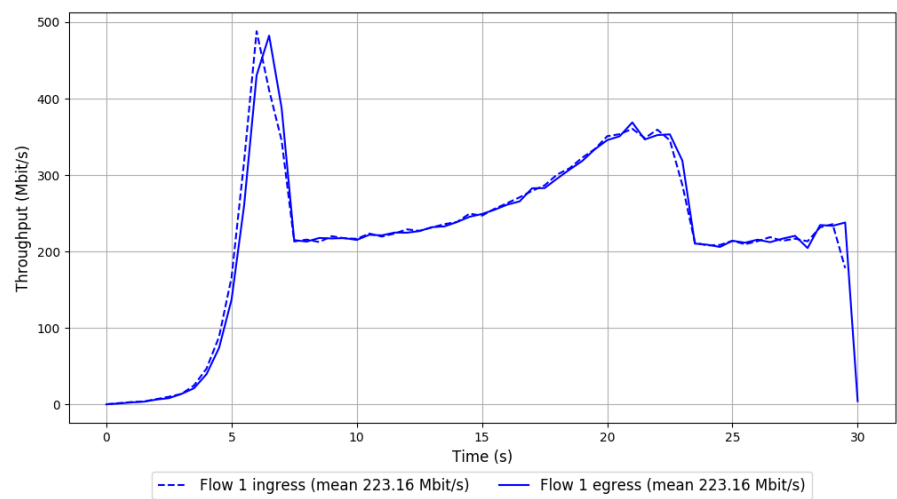
-- Flow 1:

Average throughput: 223.16 Mbit/s

95th percentile per-packet one-way delay: 136.546 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-17 03:07:55

End at: 2018-01-17 03:08:25

Below is generated by plot.py at 2018-01-17 05:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.17 Mbit/s

95th percentile per-packet one-way delay: 136.514 ms

Loss rate: 0.01%

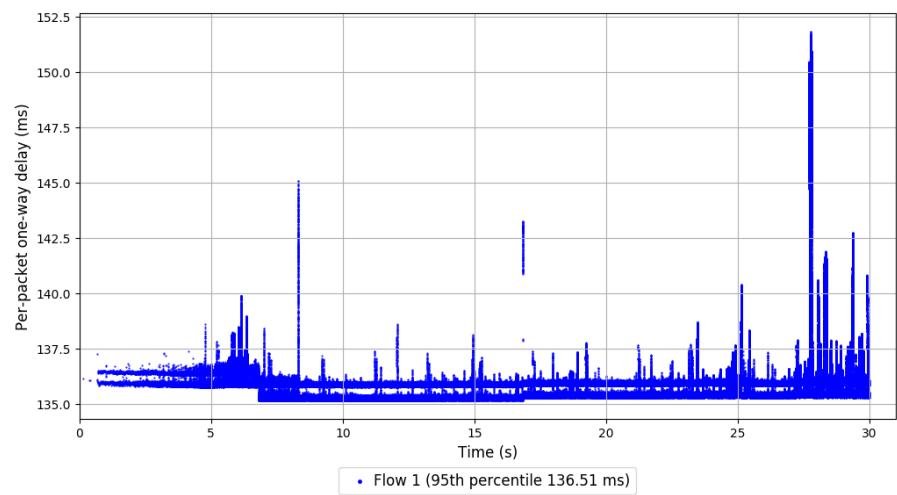
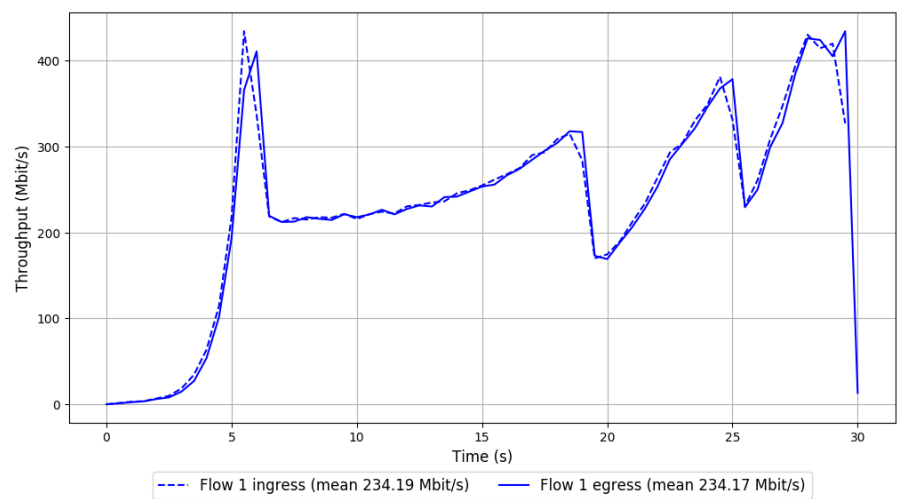
-- Flow 1:

Average throughput: 234.17 Mbit/s

95th percentile per-packet one-way delay: 136.514 ms

Loss rate: 0.01%

Run 9: Report of Vivace-latency — Data Link

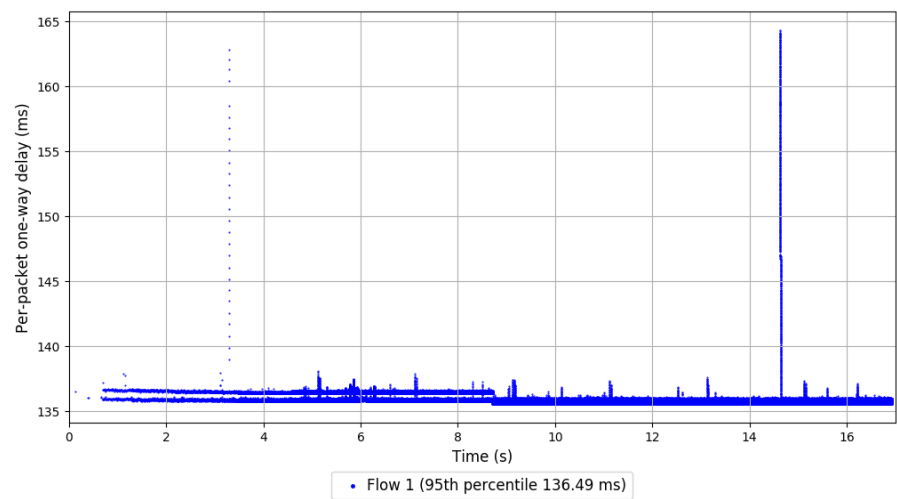
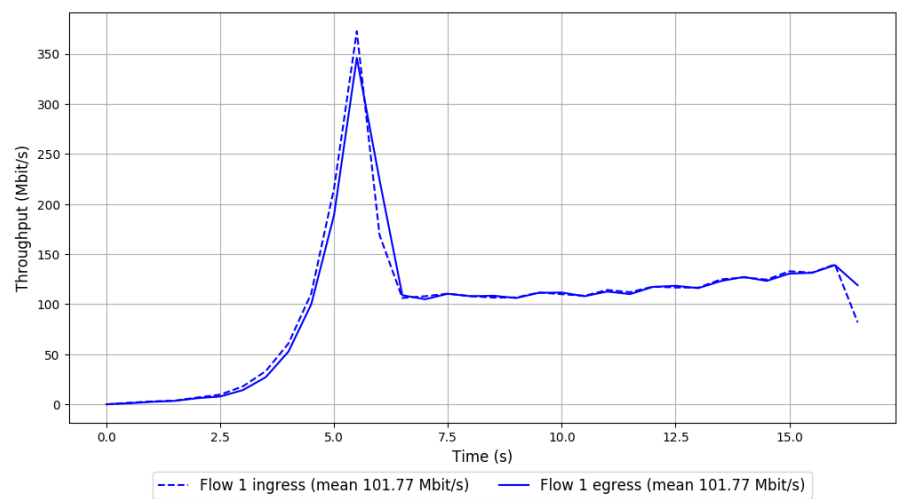


Run 10: Statistics of Vivace-latency

Start at: 2018-01-17 03:24:30

End at: 2018-01-17 03:25:00

Run 10: Report of Vivace-latency — Data Link

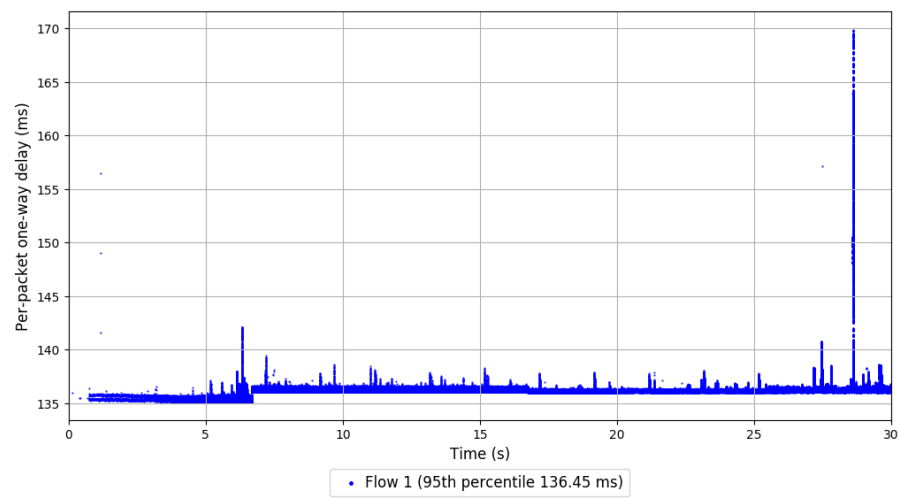
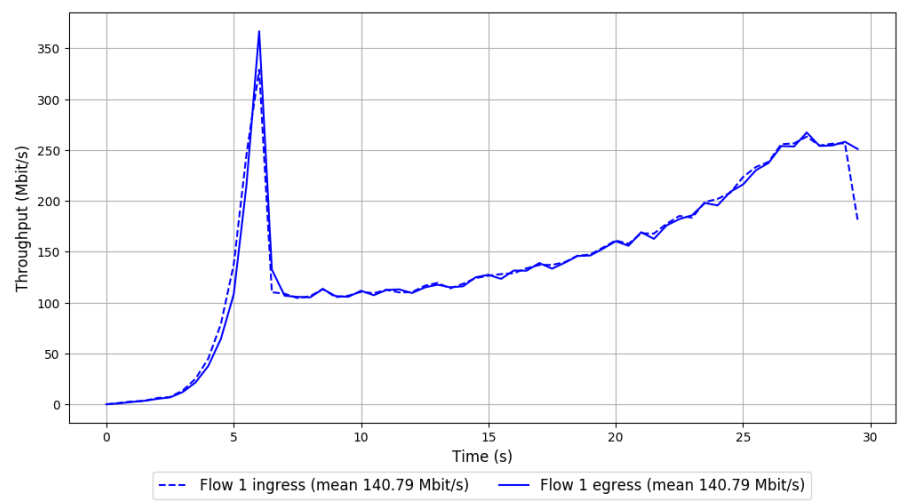


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-17 01:05:55
End at: 2018-01-17 01:06:25

# Below is generated by plot.py at 2018-01-17 05:54:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.79 Mbit/s
95th percentile per-packet one-way delay: 136.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.79 Mbit/s
95th percentile per-packet one-way delay: 136.454 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-17 01:22:09

End at: 2018-01-17 01:22:39

Below is generated by plot.py at 2018-01-17 05:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.89 Mbit/s

95th percentile per-packet one-way delay: 137.781 ms

Loss rate: 0.00%

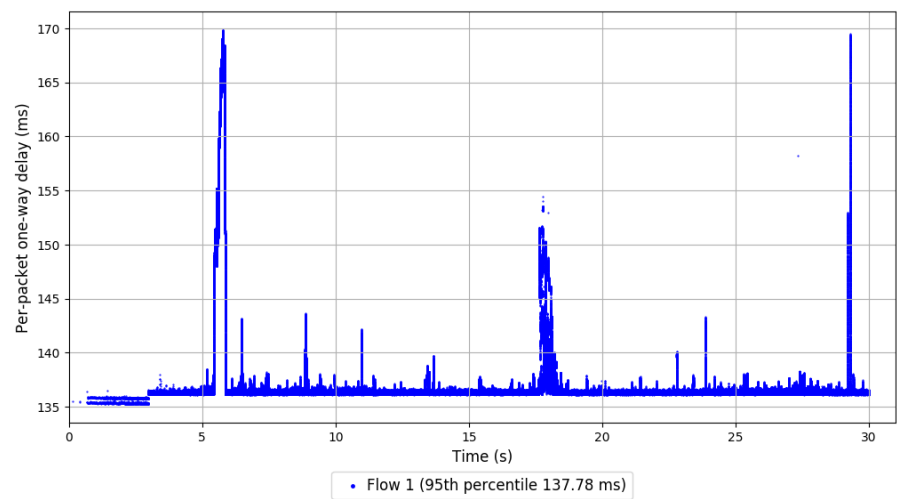
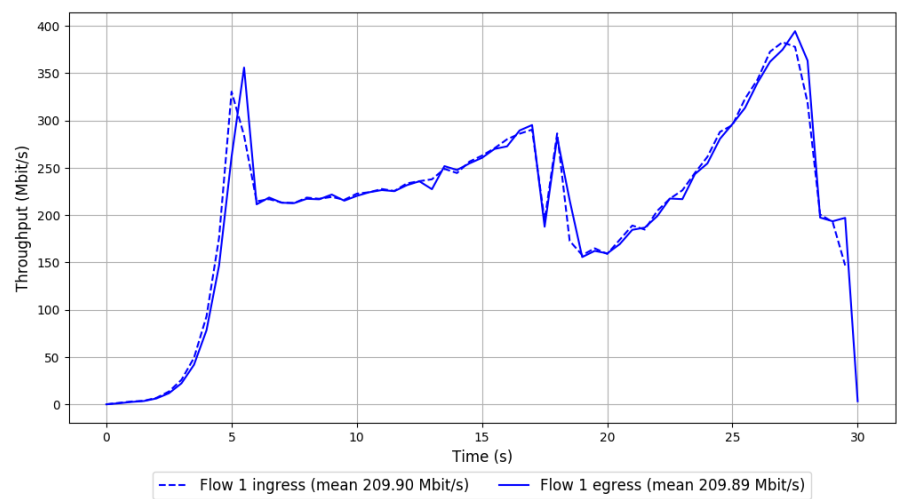
-- Flow 1:

Average throughput: 209.89 Mbit/s

95th percentile per-packet one-way delay: 137.781 ms

Loss rate: 0.00%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-17 01:37:29

End at: 2018-01-17 01:37:59

Below is generated by plot.py at 2018-01-17 05:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.55 Mbit/s

95th percentile per-packet one-way delay: 163.215 ms

Loss rate: 0.00%

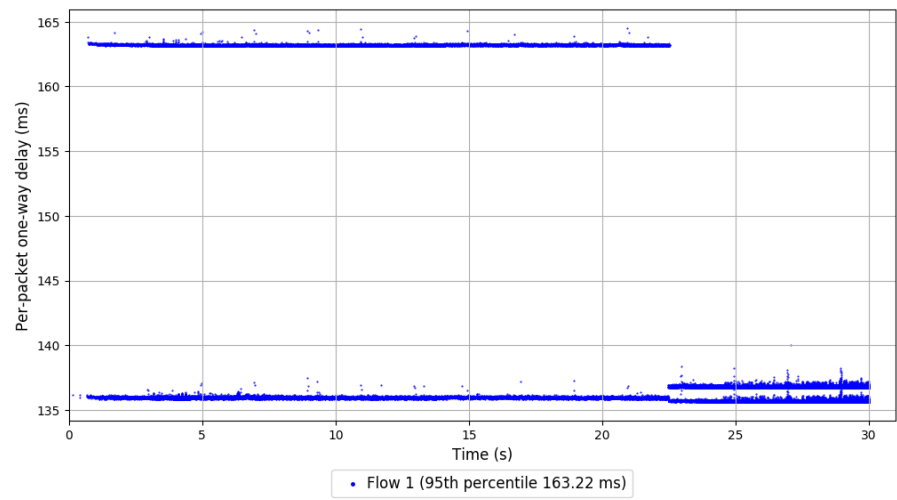
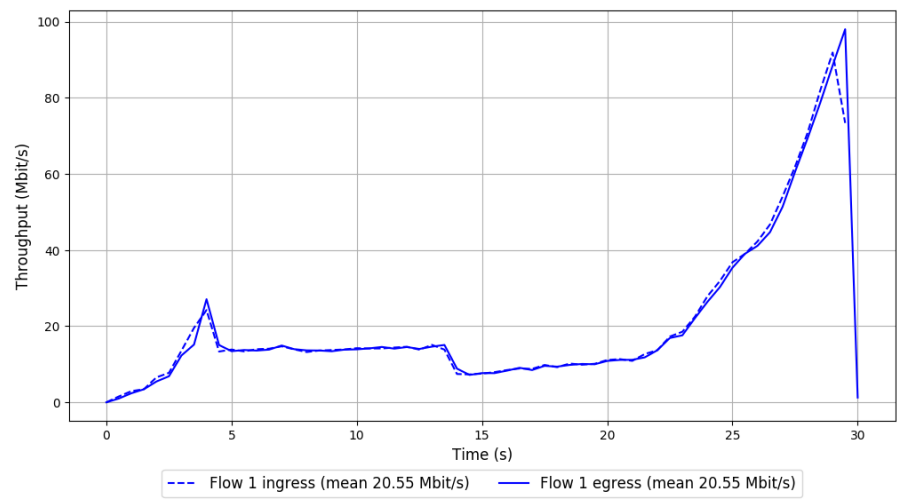
-- Flow 1:

Average throughput: 20.55 Mbit/s

95th percentile per-packet one-way delay: 163.215 ms

Loss rate: 0.00%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-17 01:52:22

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

Below is generated by plot.py at 2018-01-17 05:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.57 Mbit/s

95th percentile per-packet one-way delay: 136.643 ms

Loss rate: 0.00%

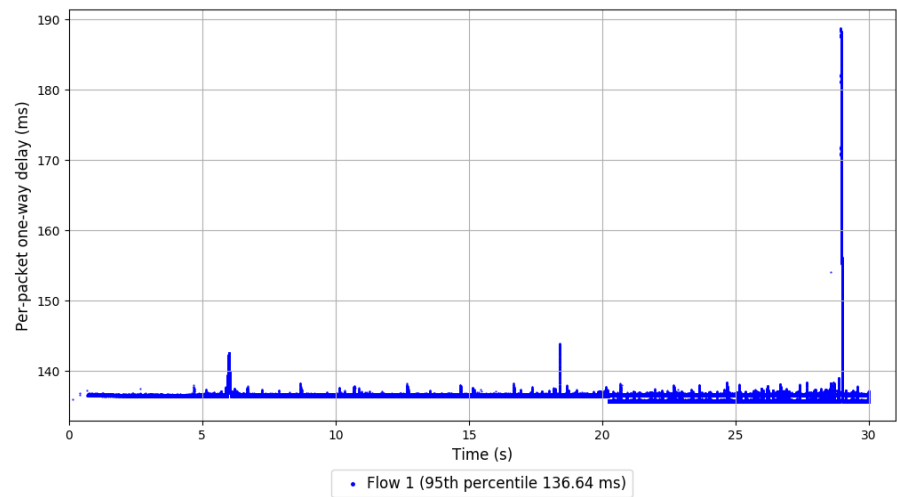
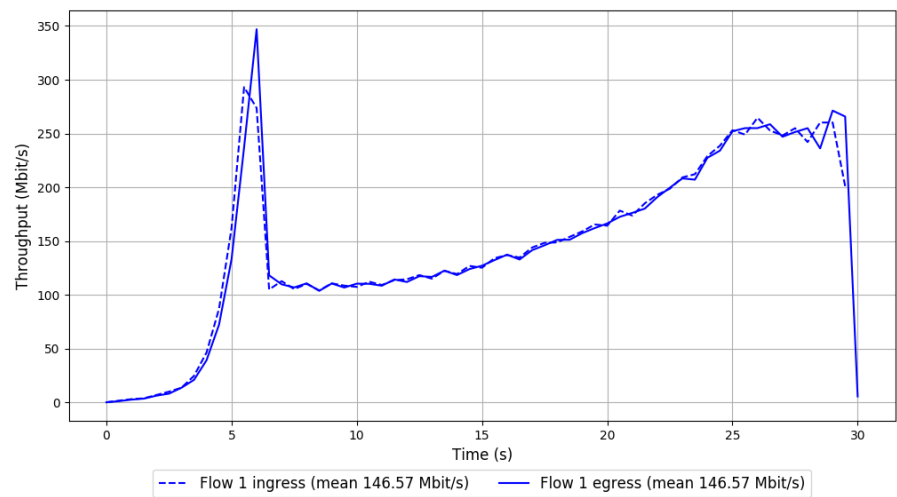
-- Flow 1:

Average throughput: 146.57 Mbit/s

95th percentile per-packet one-way delay: 136.643 ms

Loss rate: 0.00%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-17 02:08:14

End at: 2018-01-17 02:08:44

Below is generated by plot.py at 2018-01-17 05:59:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.25 Mbit/s

95th percentile per-packet one-way delay: 136.526 ms

Loss rate: 0.00%

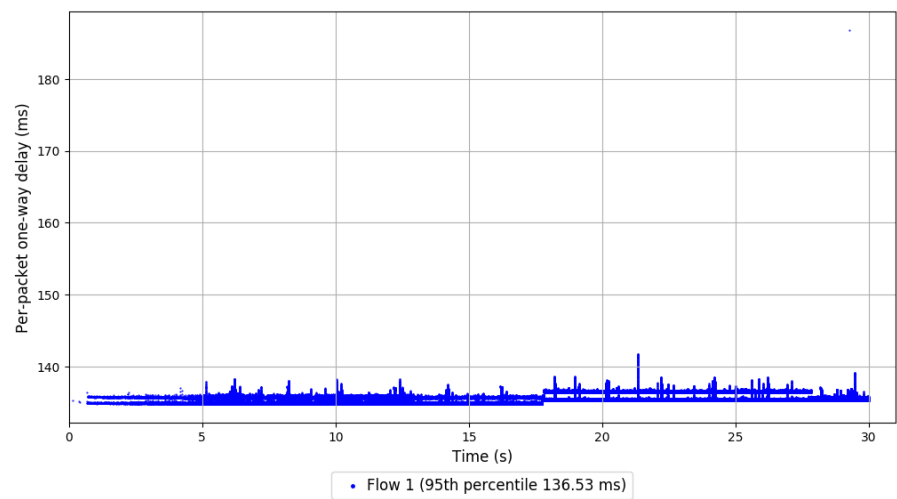
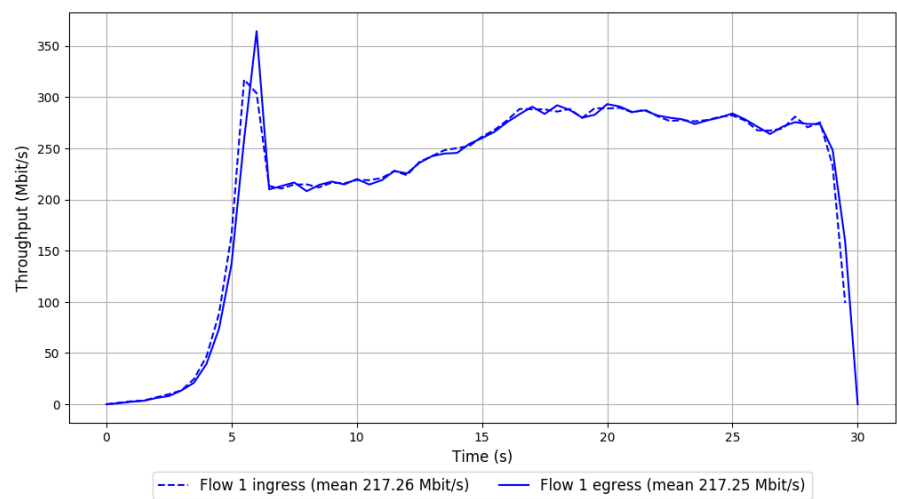
-- Flow 1:

Average throughput: 217.25 Mbit/s

95th percentile per-packet one-way delay: 136.526 ms

Loss rate: 0.00%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-17 02:24:07

End at: 2018-01-17 02:24:37

Below is generated by plot.py at 2018-01-17 06:00:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.86 Mbit/s

95th percentile per-packet one-way delay: 136.588 ms

Loss rate: 0.00%

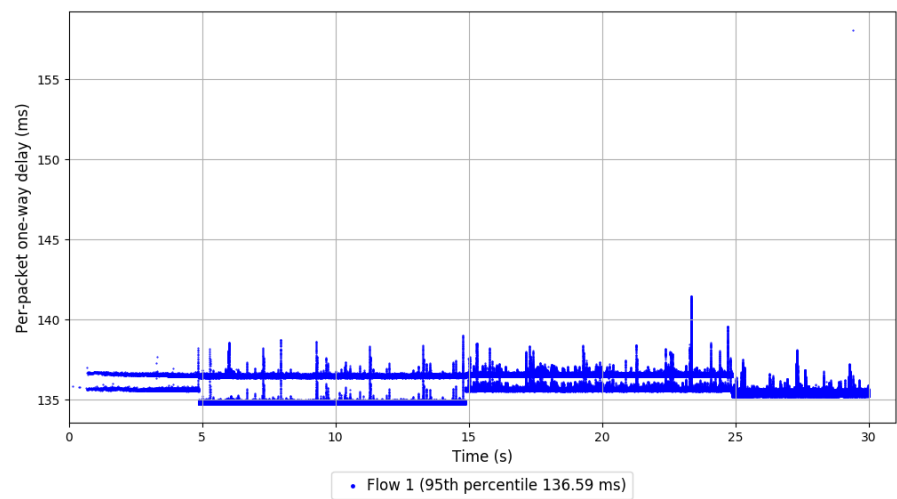
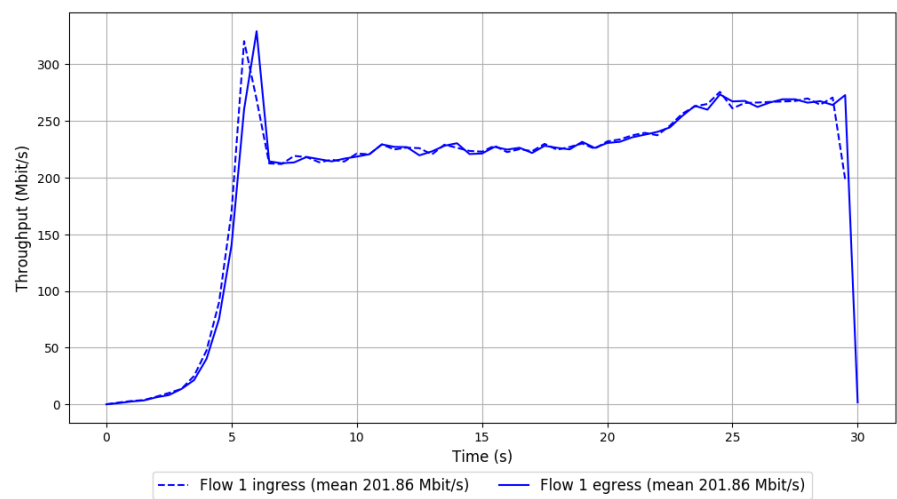
-- Flow 1:

Average throughput: 201.86 Mbit/s

95th percentile per-packet one-way delay: 136.588 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-17 02:40:00

End at: 2018-01-17 02:40:30

Below is generated by plot.py at 2018-01-17 06:00:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.20 Mbit/s

95th percentile per-packet one-way delay: 136.739 ms

Loss rate: 0.00%

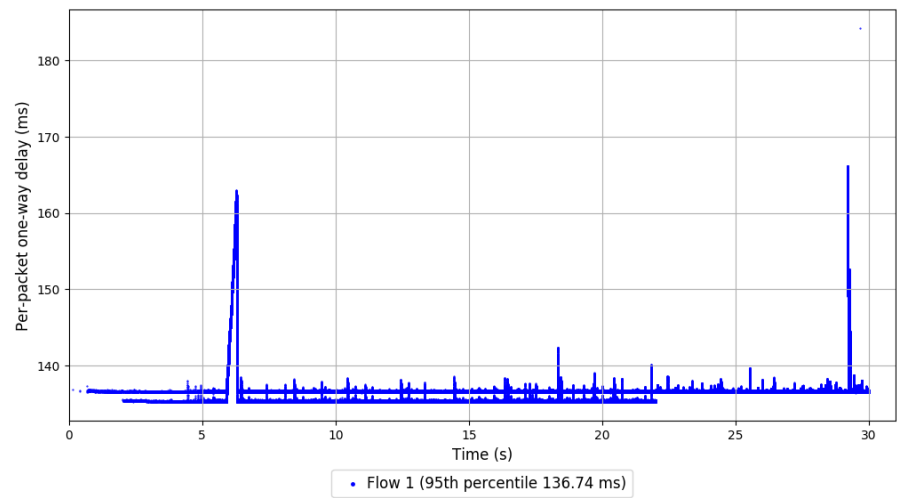
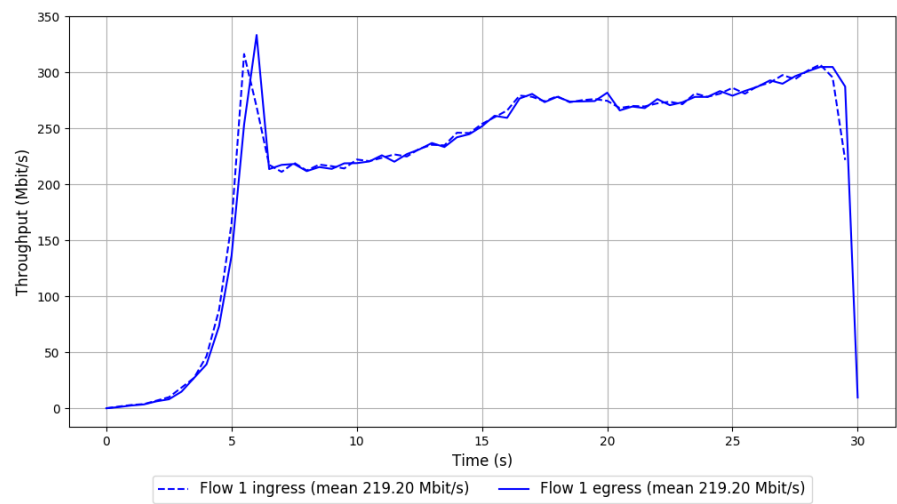
-- Flow 1:

Average throughput: 219.20 Mbit/s

95th percentile per-packet one-way delay: 136.739 ms

Loss rate: 0.00%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-17 02:56:11

End at: 2018-01-17 02:56:41

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.82 Mbit/s

95th percentile per-packet one-way delay: 136.524 ms

Loss rate: 0.00%

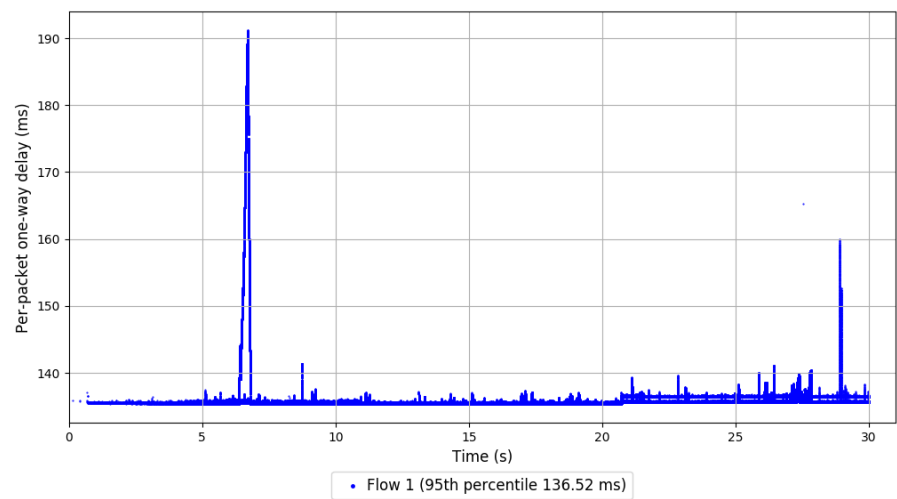
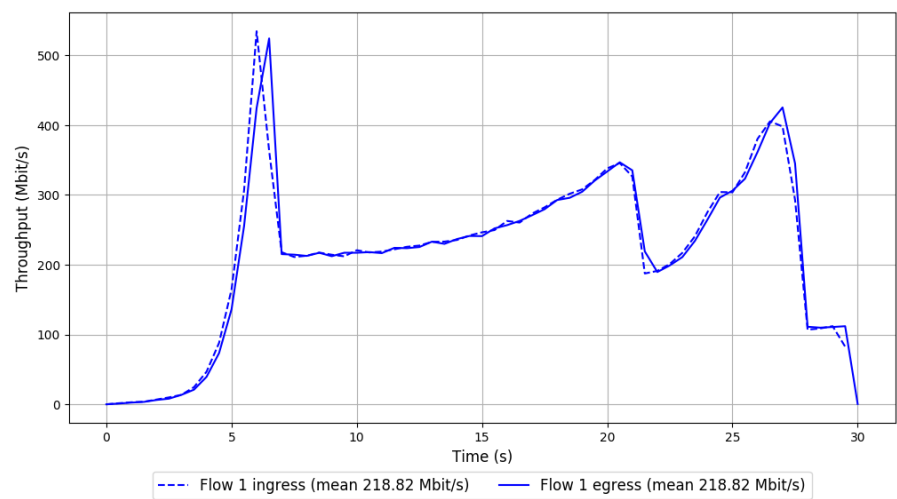
-- Flow 1:

Average throughput: 218.82 Mbit/s

95th percentile per-packet one-way delay: 136.524 ms

Loss rate: 0.00%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-17 03:12:15

End at: 2018-01-17 03:12:45

Below is generated by plot.py at 2018-01-17 06:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.92 Mbit/s

95th percentile per-packet one-way delay: 136.440 ms

Loss rate: 0.00%

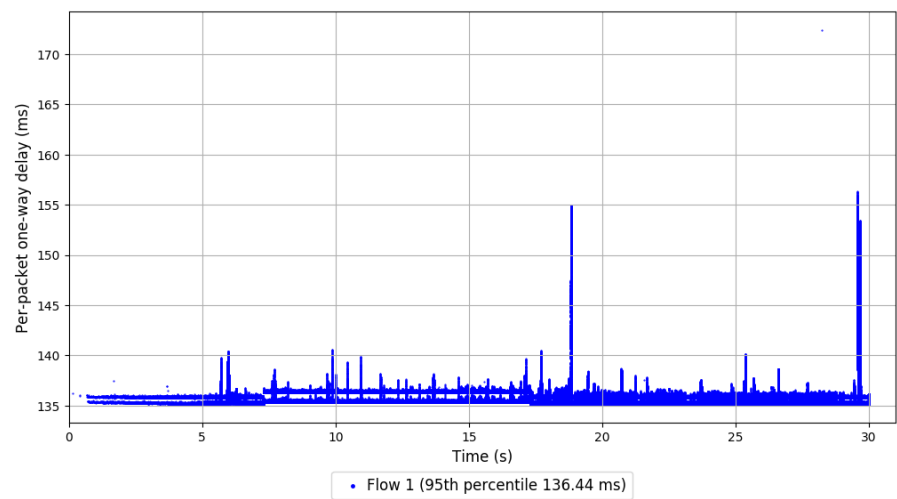
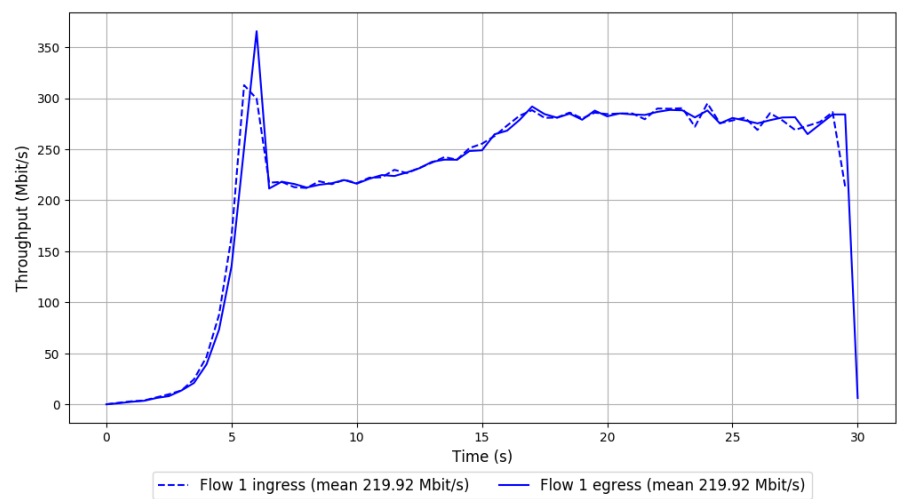
-- Flow 1:

Average throughput: 219.92 Mbit/s

95th percentile per-packet one-way delay: 136.440 ms

Loss rate: 0.00%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-01-17 03:28:33

End at: 2018-01-17 03:29:03

Below is generated by plot.py at 2018-01-17 06:01:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.11 Mbit/s

95th percentile per-packet one-way delay: 138.846 ms

Loss rate: 0.00%

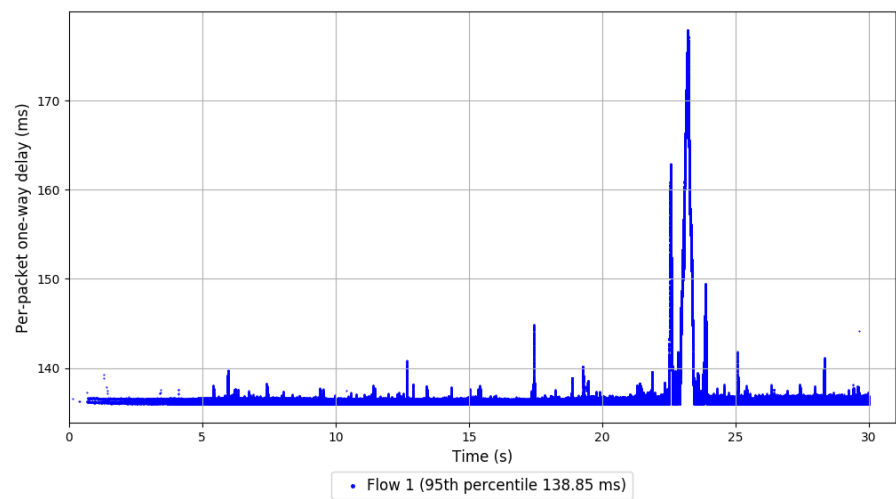
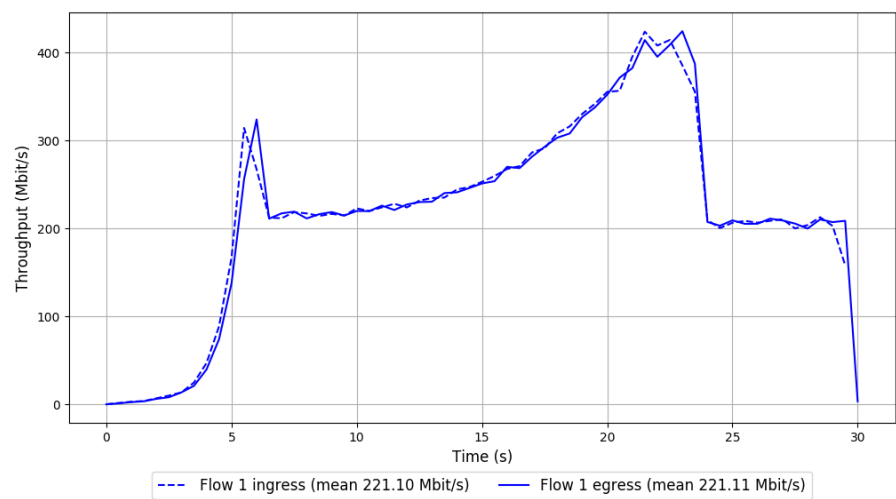
-- Flow 1:

Average throughput: 221.11 Mbit/s

95th percentile per-packet one-way delay: 138.846 ms

Loss rate: 0.00%

Run 10: Report of Vivace-loss — Data Link

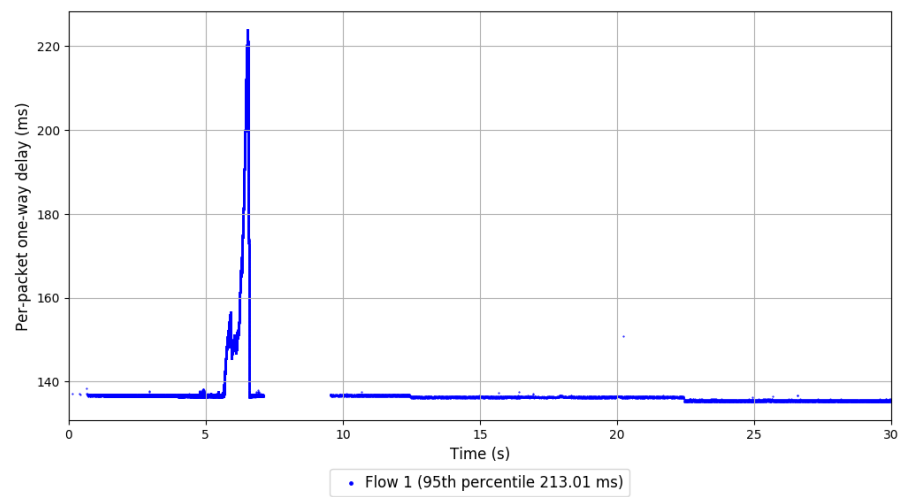
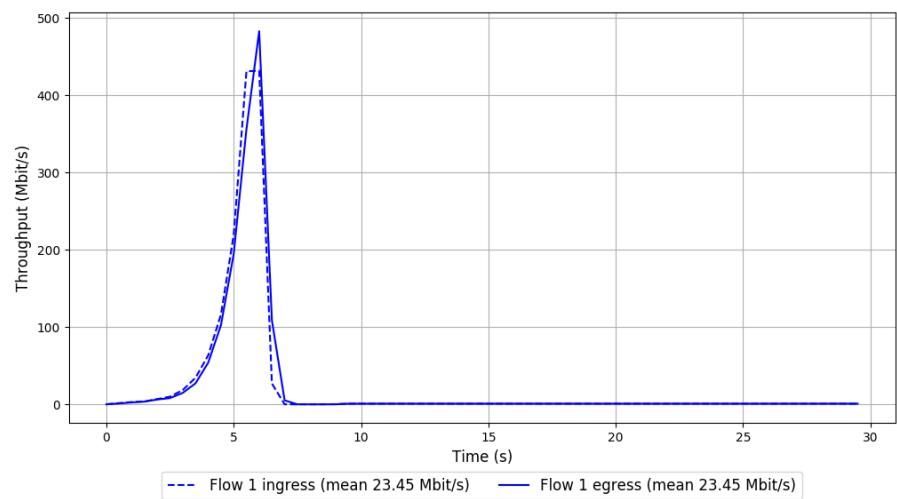


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-01-17 01:00:49
End at: 2018-01-17 01:01:19

# Below is generated by plot.py at 2018-01-17 06:01:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 213.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 213.012 ms
Loss rate: 0.00%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

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

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

Below is generated by plot.py at 2018-01-17 06:04:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.39 Mbit/s

95th percentile per-packet one-way delay: 136.959 ms

Loss rate: 0.00%

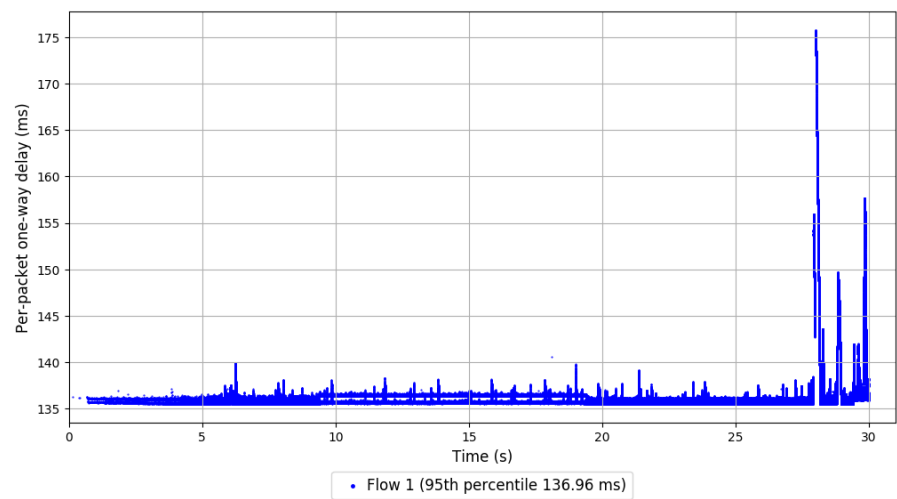
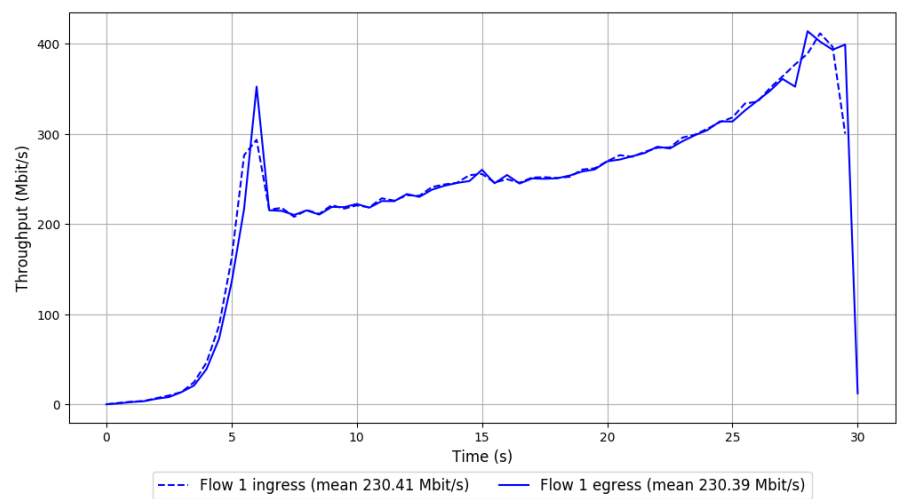
-- Flow 1:

Average throughput: 230.39 Mbit/s

95th percentile per-packet one-way delay: 136.959 ms

Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-17 01:32:39

End at: 2018-01-17 01:33:09

Below is generated by plot.py at 2018-01-17 06:04:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.01 Mbit/s

95th percentile per-packet one-way delay: 163.183 ms

Loss rate: 0.00%

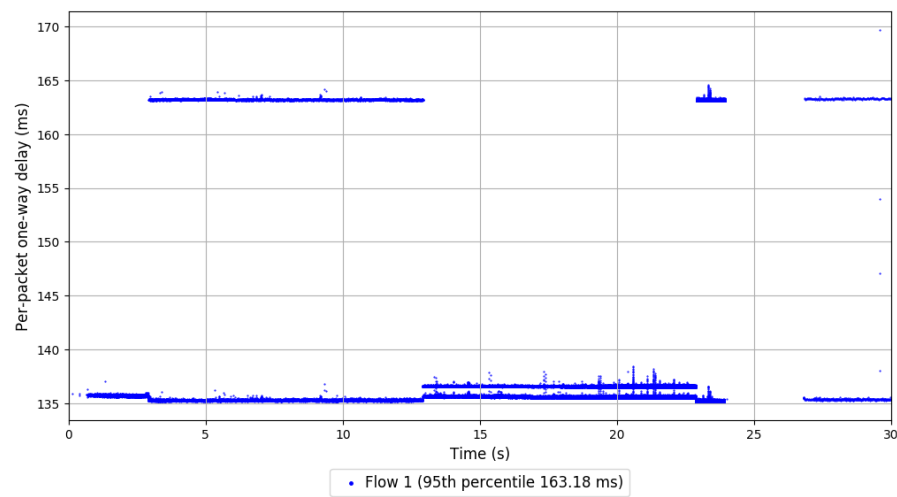
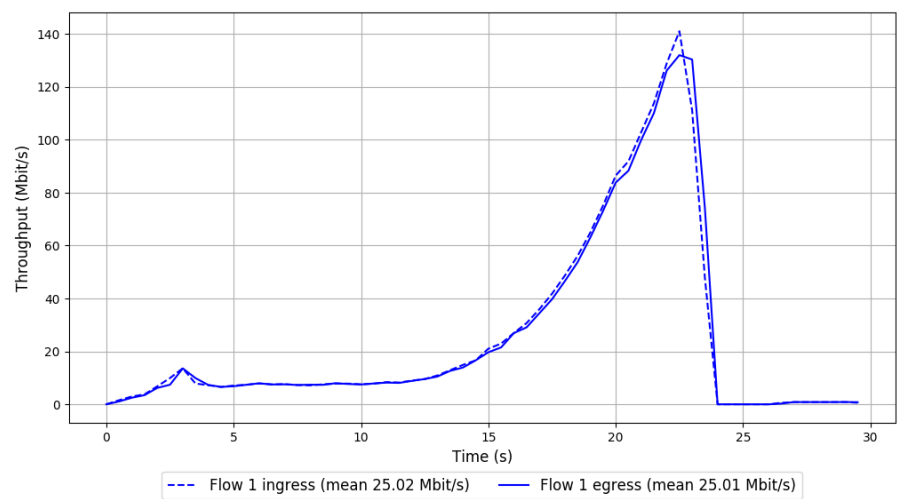
-- Flow 1:

Average throughput: 25.01 Mbit/s

95th percentile per-packet one-way delay: 163.183 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-17 01:47:20

End at: 2018-01-17 01:47:50

Below is generated by plot.py at 2018-01-17 06:04:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.65 Mbit/s

95th percentile per-packet one-way delay: 136.832 ms

Loss rate: 0.00%

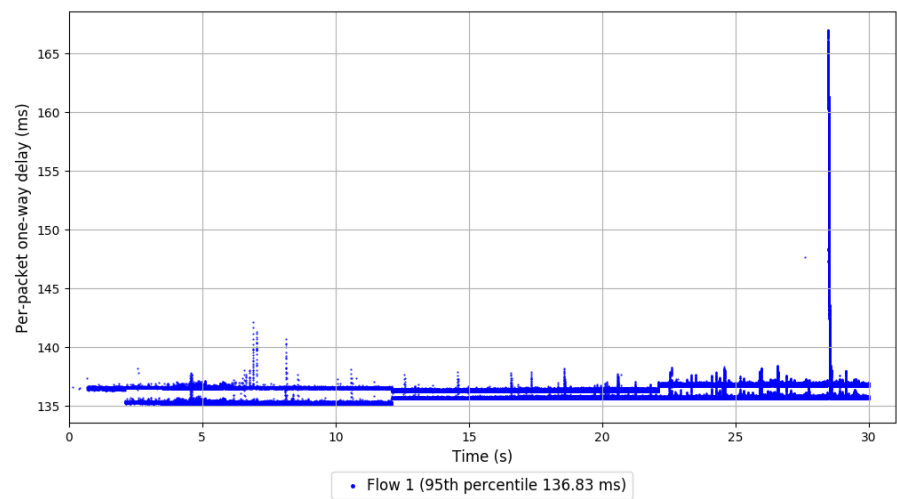
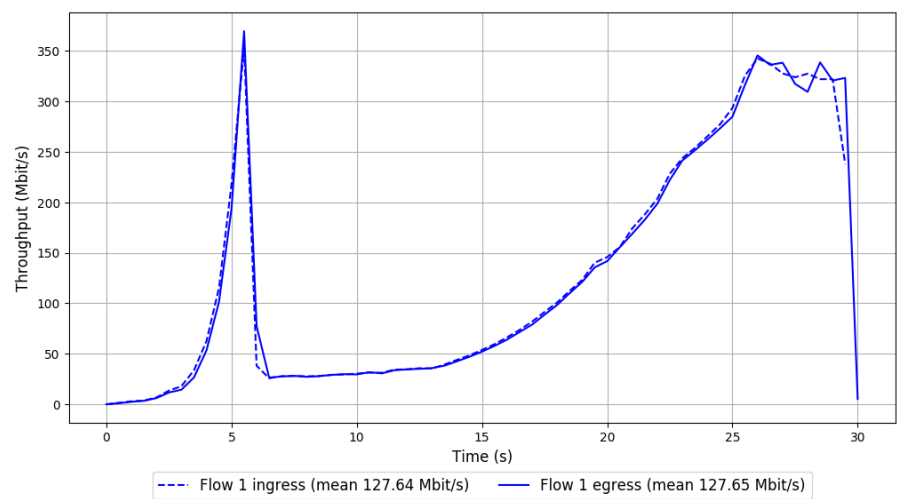
-- Flow 1:

Average throughput: 127.65 Mbit/s

95th percentile per-packet one-way delay: 136.832 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

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

End at: 2018-01-17 02:03:19

Below is generated by plot.py at 2018-01-17 06:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.87 Mbit/s

95th percentile per-packet one-way delay: 136.559 ms

Loss rate: 0.00%

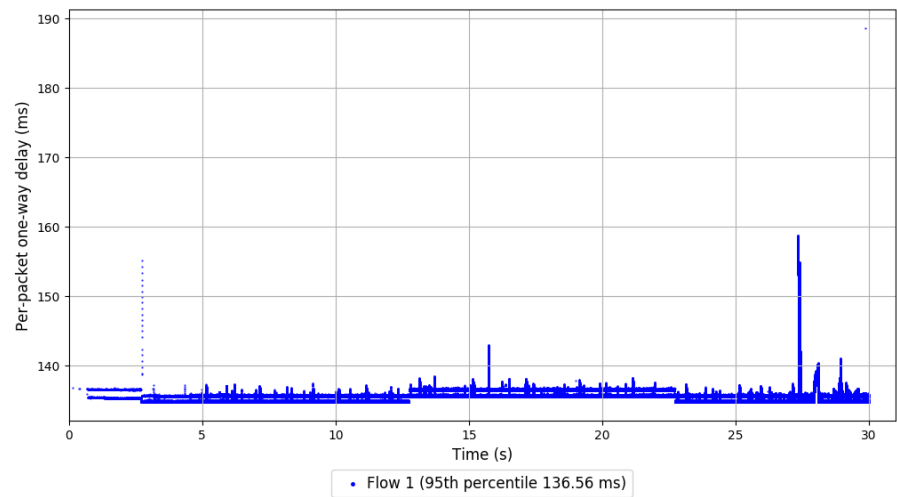
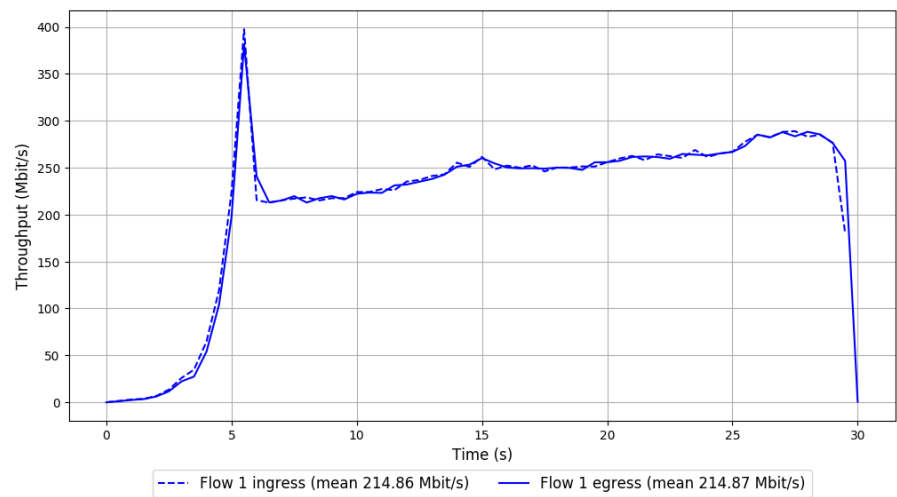
-- Flow 1:

Average throughput: 214.87 Mbit/s

95th percentile per-packet one-way delay: 136.559 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-17 02:18:52

End at: 2018-01-17 02:19:22

Below is generated by plot.py at 2018-01-17 06:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.74 Mbit/s

95th percentile per-packet one-way delay: 136.476 ms

Loss rate: 0.00%

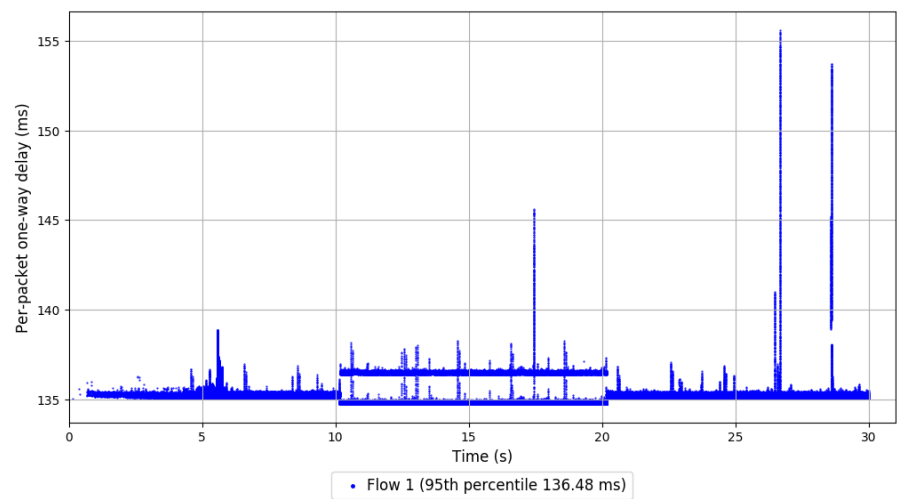
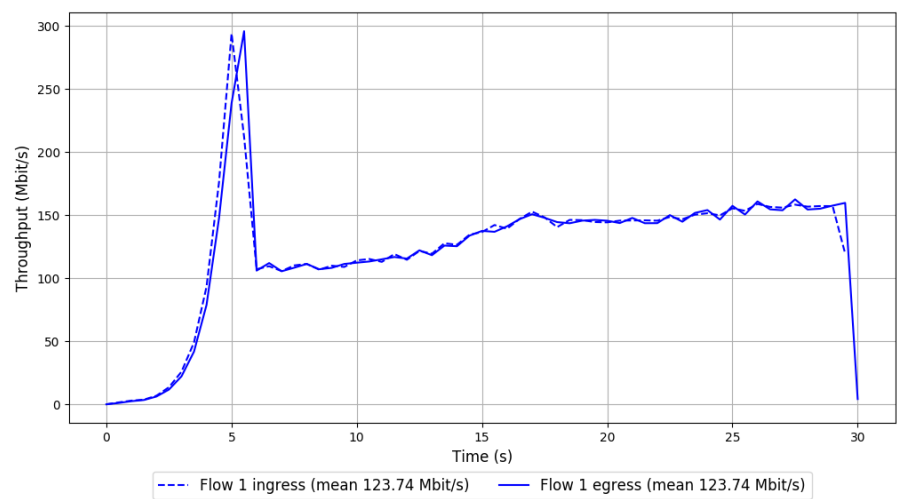
-- Flow 1:

Average throughput: 123.74 Mbit/s

95th percentile per-packet one-way delay: 136.476 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-01-17 02:34:56

End at: 2018-01-17 02:35:26

Below is generated by plot.py at 2018-01-17 06:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.14 Mbit/s

95th percentile per-packet one-way delay: 148.162 ms

Loss rate: 0.00%

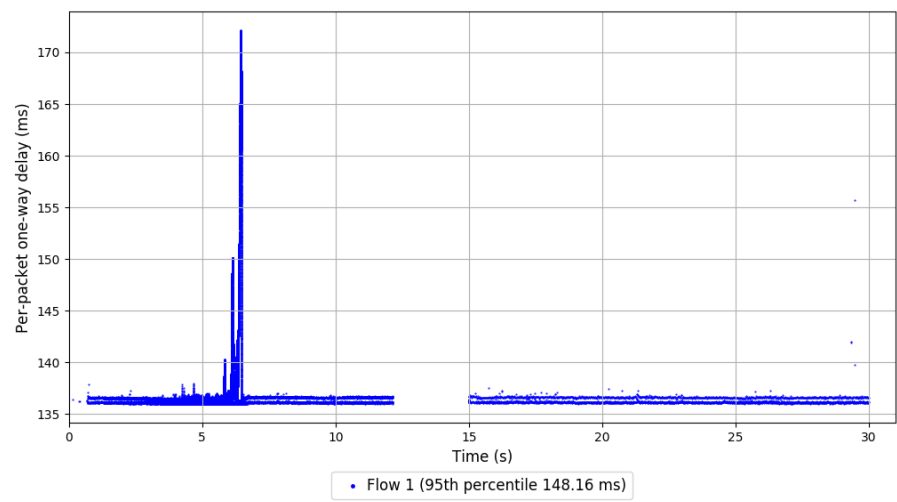
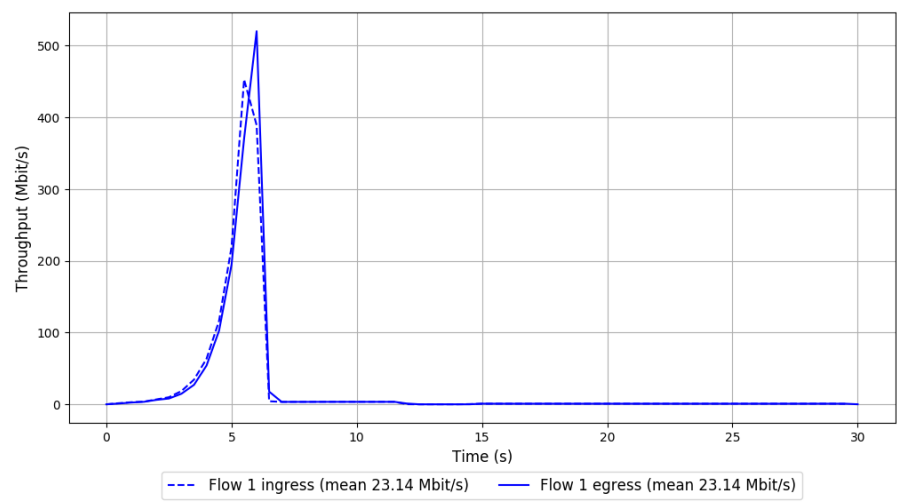
-- Flow 1:

Average throughput: 23.14 Mbit/s

95th percentile per-packet one-way delay: 148.162 ms

Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-17 02:50:49

End at: 2018-01-17 02:51:19

Below is generated by plot.py at 2018-01-17 06:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.30 Mbit/s

95th percentile per-packet one-way delay: 136.722 ms

Loss rate: 0.00%

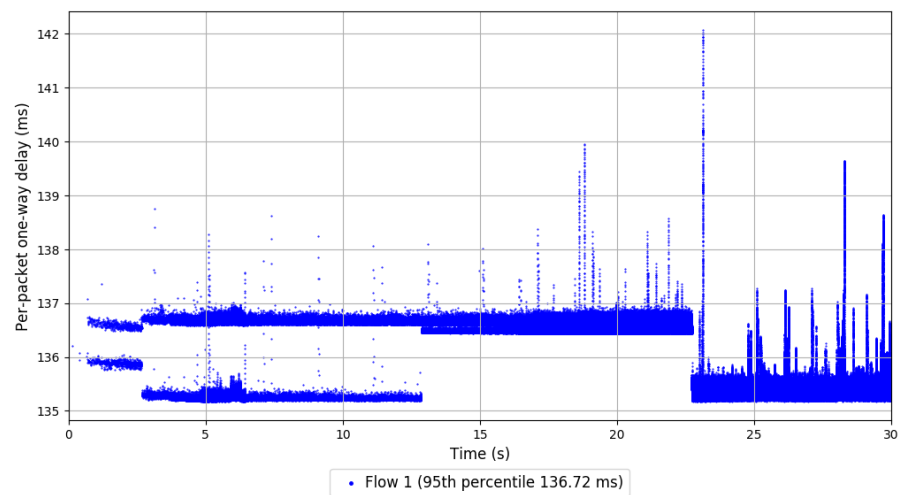
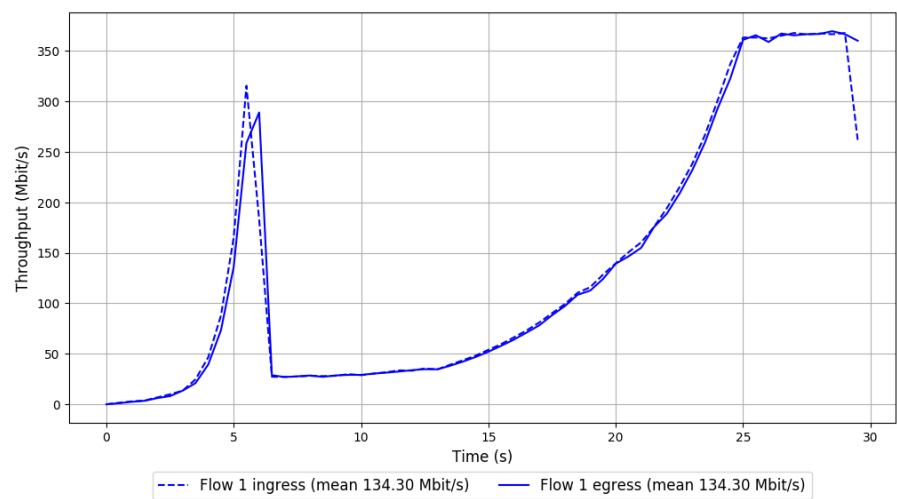
-- Flow 1:

Average throughput: 134.30 Mbit/s

95th percentile per-packet one-way delay: 136.722 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-17 03:06:46

End at: 2018-01-17 03:07:16

Below is generated by plot.py at 2018-01-17 06:04:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.35 Mbit/s

95th percentile per-packet one-way delay: 135.881 ms

Loss rate: 0.00%

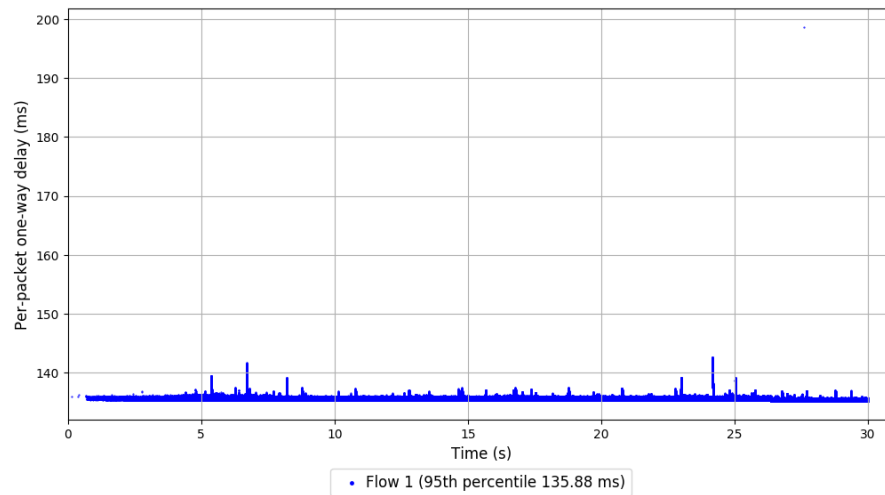
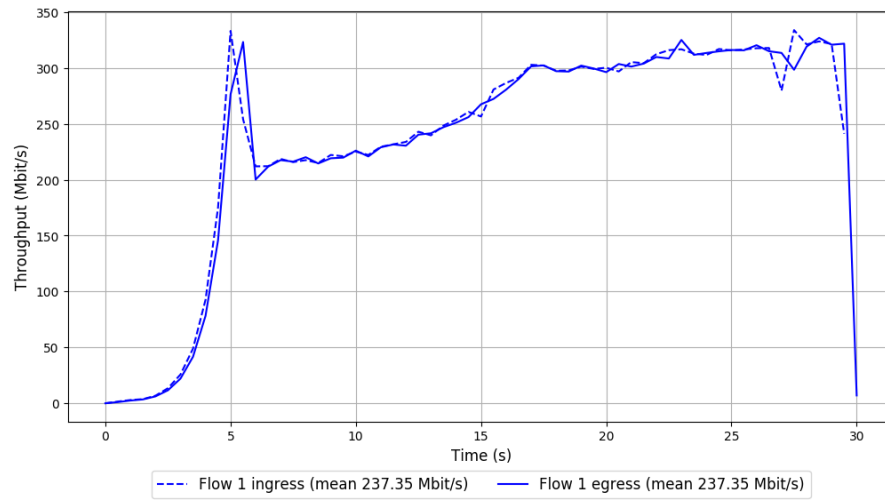
-- Flow 1:

Average throughput: 237.35 Mbit/s

95th percentile per-packet one-way delay: 135.881 ms

Loss rate: 0.00%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-17 03:23:23

End at: 2018-01-17 03:23:53

Below is generated by plot.py at 2018-01-17 06:04:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.07 Mbit/s

95th percentile per-packet one-way delay: 136.509 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 219.07 Mbit/s

95th percentile per-packet one-way delay: 136.509 ms

Loss rate: 0.00%

Run 10: Report of Vivace-LTE — Data Link

