

Pantheon Report

Generated at 2018-04-25 00:26:24 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

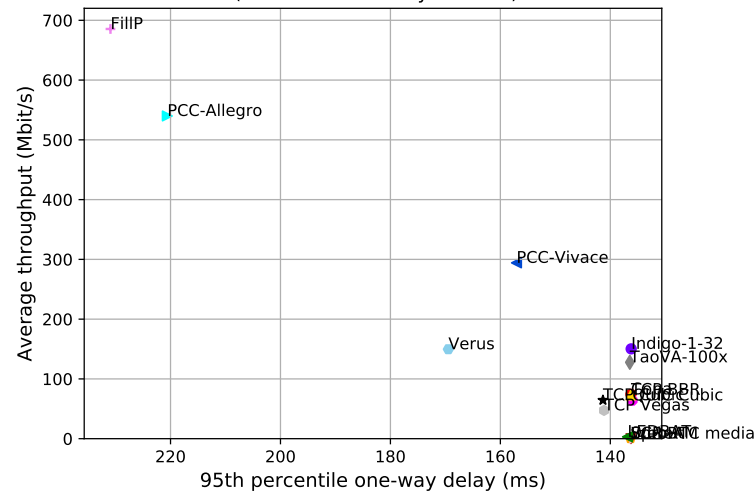
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

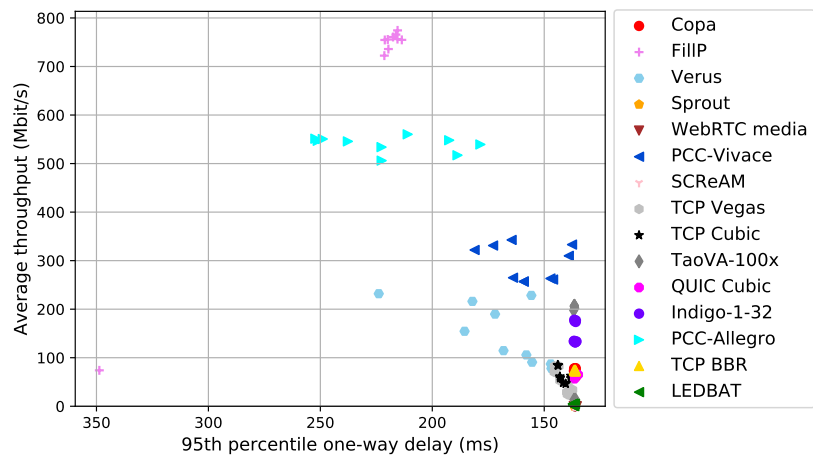
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	73.34	136.23	1.01
TCP Cubic	10	64.45	141.34	1.09
LEDBAT	10	3.06	136.88	2.55
PCC-Allegro	10	539.94	220.58	2.26
QUIC Cubic	10	63.98	136.00	1.26
SCReAM	10	0.22	136.34	0.89
WebRTC media	10	0.06	136.24	0.00
Sprout	10	0.40	136.31	0.96
TaoVA-100x	10	127.75	136.46	0.89
TCP Vegas	10	47.33	141.14	0.87
Verus	10	149.67	169.46	1.22
Copa	10	74.15	136.25	0.81
FillP	10	685.49	230.93	6.58
Indigo-1-32	10	150.28	136.21	0.93
PCC-Vivace	10	294.17	157.07	1.56
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 18:47:01

End at: 2018-04-24 18:47:31

Below is generated by plot.py at 2018-04-24 23:36:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 136.411 ms

Loss rate: 0.99%

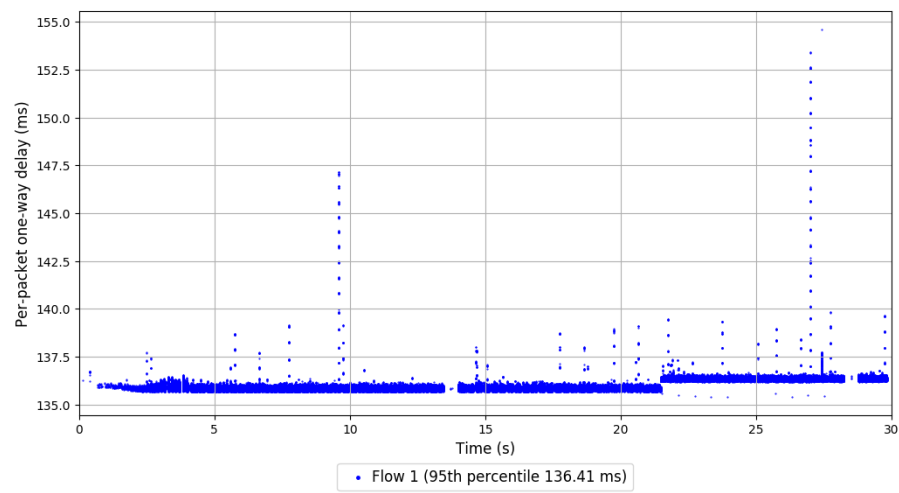
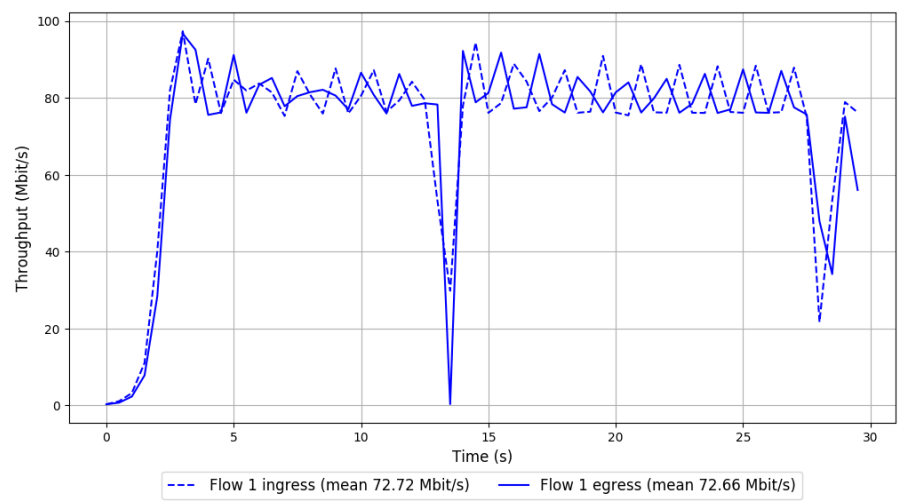
-- Flow 1:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 136.411 ms

Loss rate: 0.99%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-24 19:01:06

End at: 2018-04-24 19:01:36

Below is generated by plot.py at 2018-04-24 23:36:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.58 Mbit/s

95th percentile per-packet one-way delay: 136.344 ms

Loss rate: 0.99%

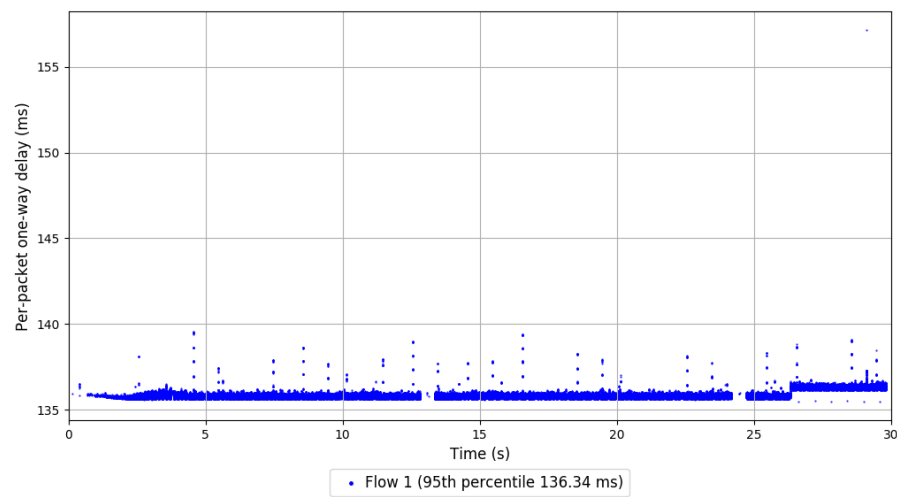
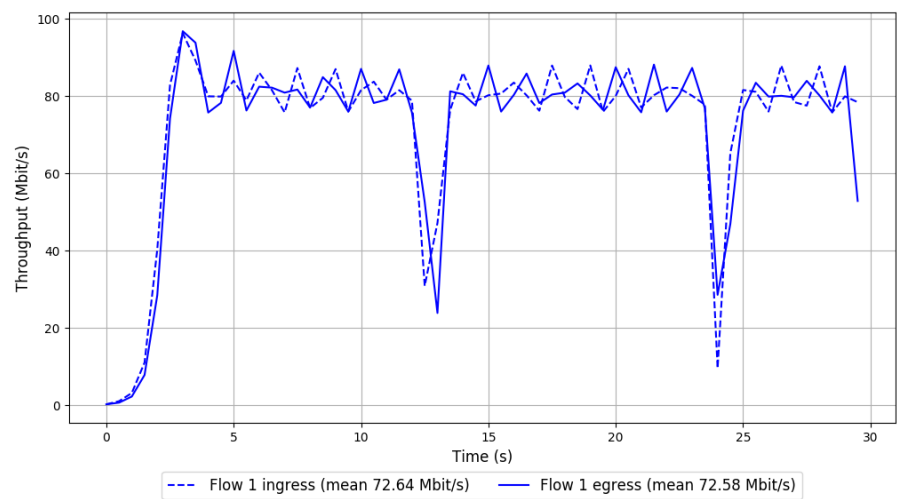
-- Flow 1:

Average throughput: 72.58 Mbit/s

95th percentile per-packet one-way delay: 136.344 ms

Loss rate: 0.99%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-24 19:15:46

End at: 2018-04-24 19:16:16

Below is generated by plot.py at 2018-04-24 23:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.24 Mbit/s

95th percentile per-packet one-way delay: 136.777 ms

Loss rate: 1.05%

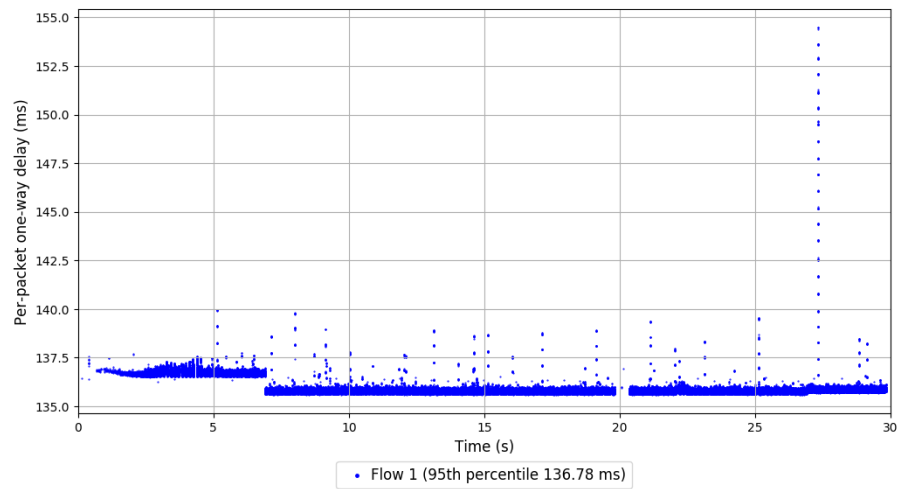
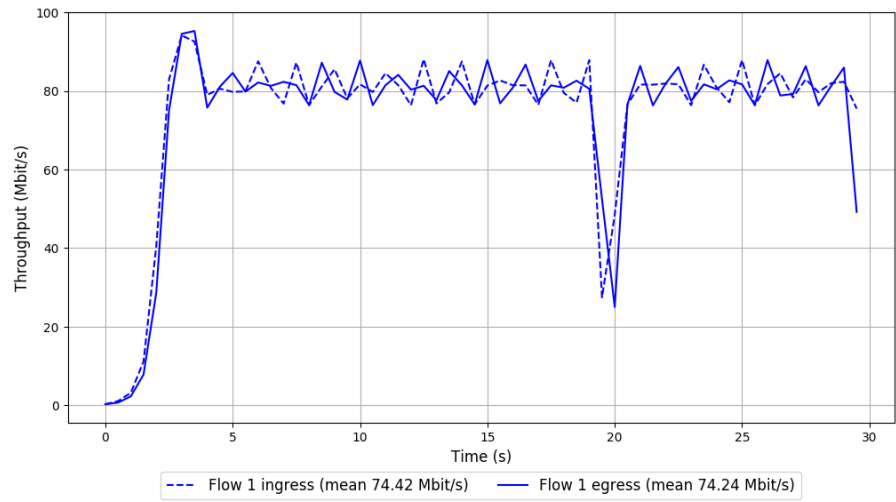
-- Flow 1:

Average throughput: 74.24 Mbit/s

95th percentile per-packet one-way delay: 136.777 ms

Loss rate: 1.05%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-24 19:30:16

End at: 2018-04-24 19:30:46

Below is generated by plot.py at 2018-04-24 23:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.68 Mbit/s

95th percentile per-packet one-way delay: 136.028 ms

Loss rate: 0.99%

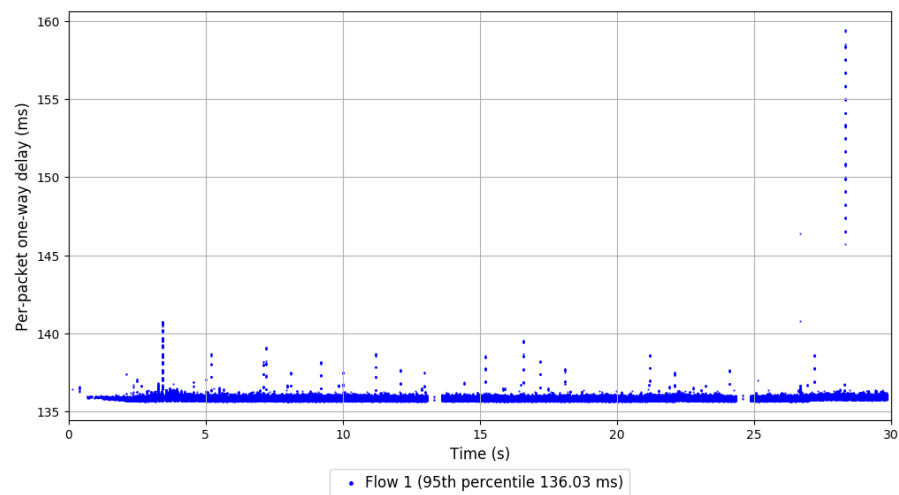
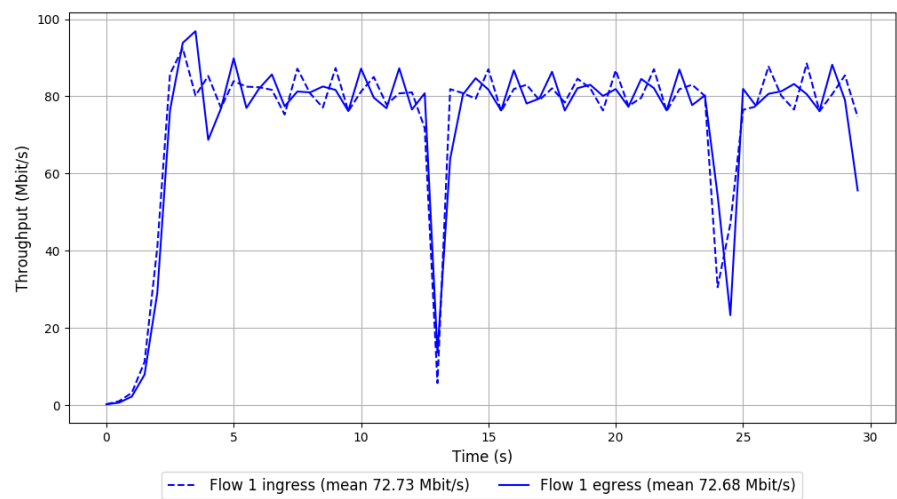
-- Flow 1:

Average throughput: 72.68 Mbit/s

95th percentile per-packet one-way delay: 136.028 ms

Loss rate: 0.99%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-24 19:44:30

End at: 2018-04-24 19:45:00

Below is generated by plot.py at 2018-04-24 23:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.85 Mbit/s

95th percentile per-packet one-way delay: 136.014 ms

Loss rate: 0.98%

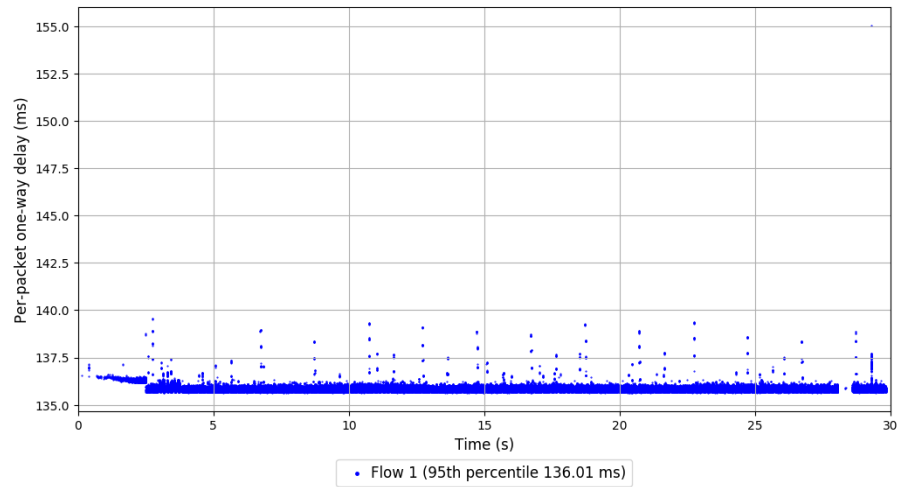
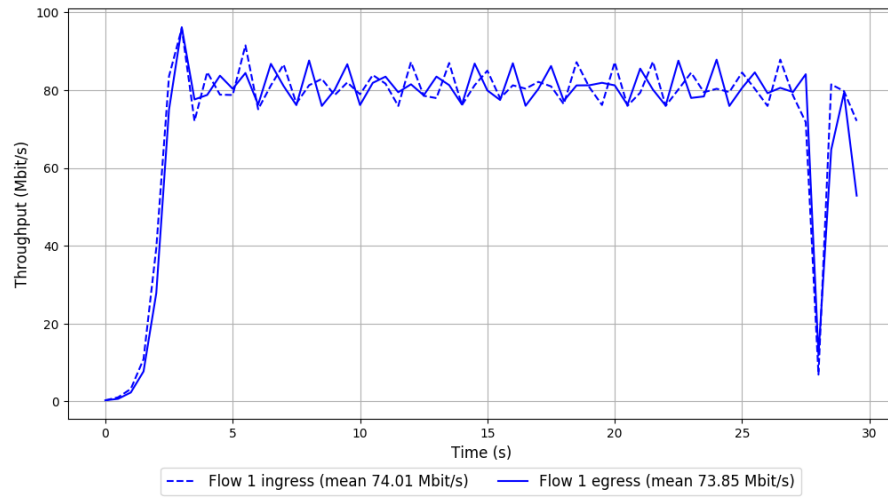
-- Flow 1:

Average throughput: 73.85 Mbit/s

95th percentile per-packet one-way delay: 136.014 ms

Loss rate: 0.98%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-24 19:59:13

End at: 2018-04-24 19:59:43

Below is generated by plot.py at 2018-04-24 23:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.32 Mbit/s

95th percentile per-packet one-way delay: 136.426 ms

Loss rate: 1.11%

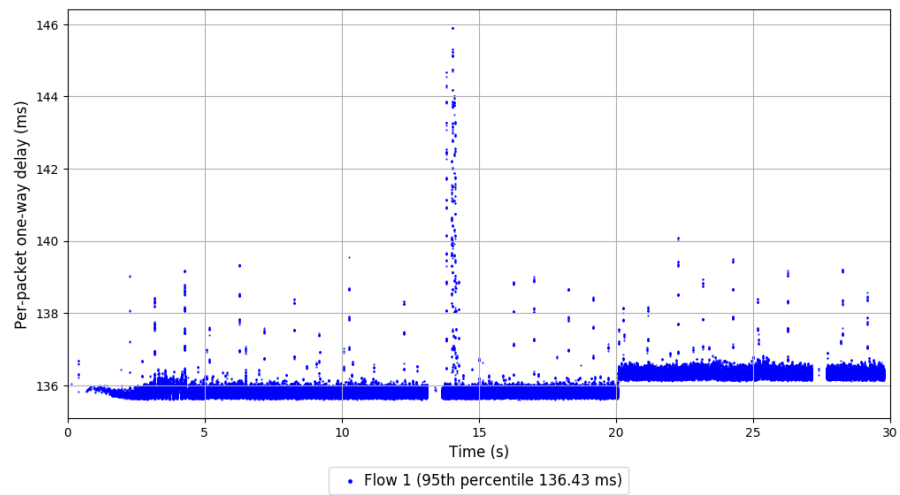
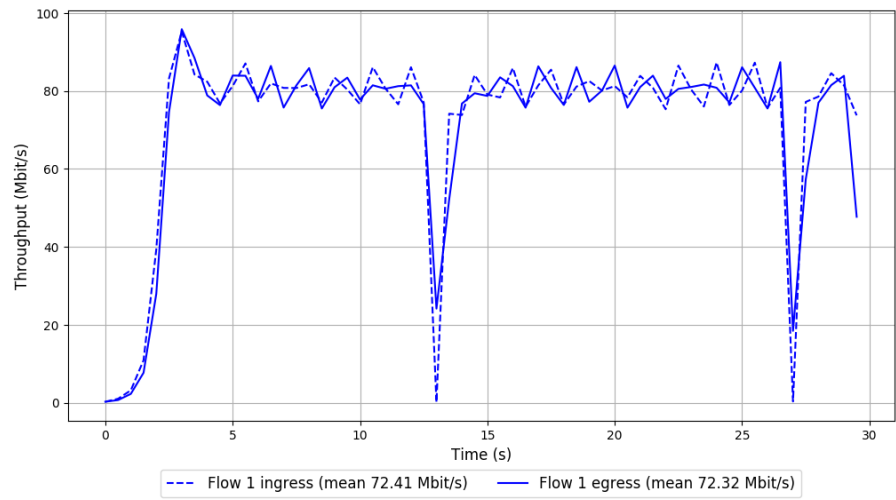
-- Flow 1:

Average throughput: 72.32 Mbit/s

95th percentile per-packet one-way delay: 136.426 ms

Loss rate: 1.11%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-24 20:13:35

End at: 2018-04-24 20:14:05

Below is generated by plot.py at 2018-04-24 23:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 135.939 ms

Loss rate: 1.02%

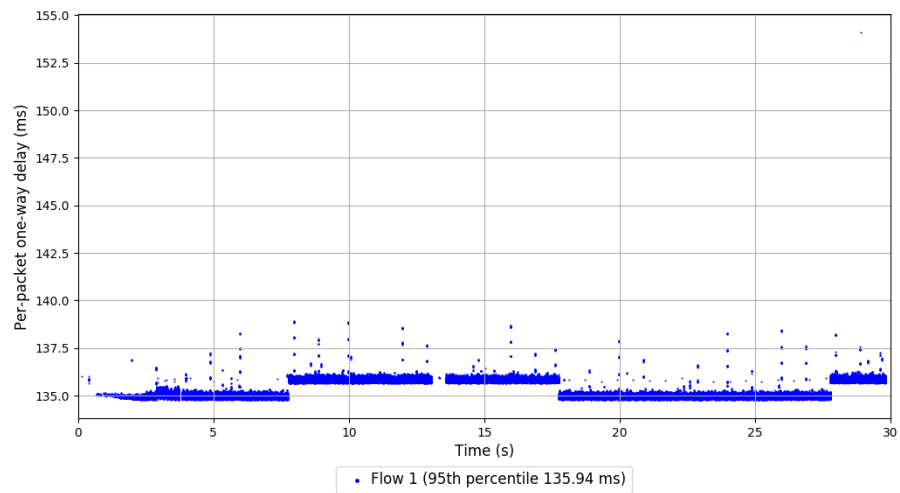
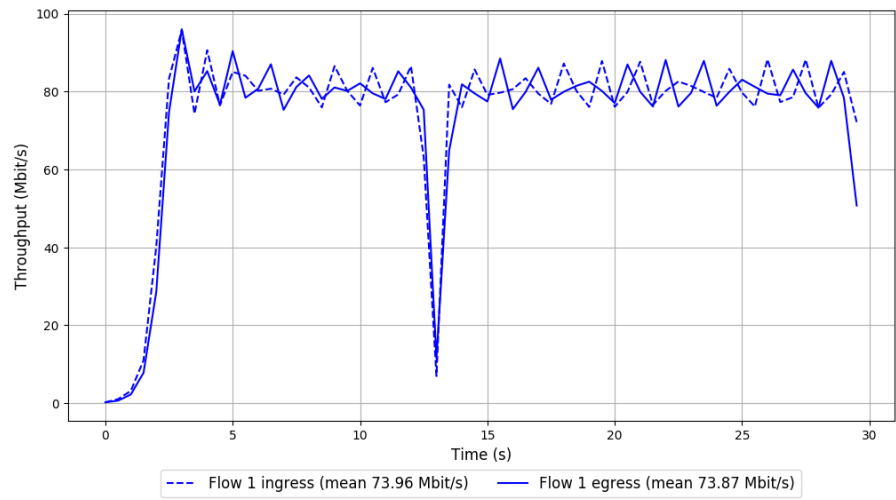
-- Flow 1:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 135.939 ms

Loss rate: 1.02%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-24 20:27:20

End at: 2018-04-24 20:27:50

Below is generated by plot.py at 2018-04-24 23:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.73 Mbit/s

95th percentile per-packet one-way delay: 136.032 ms

Loss rate: 1.01%

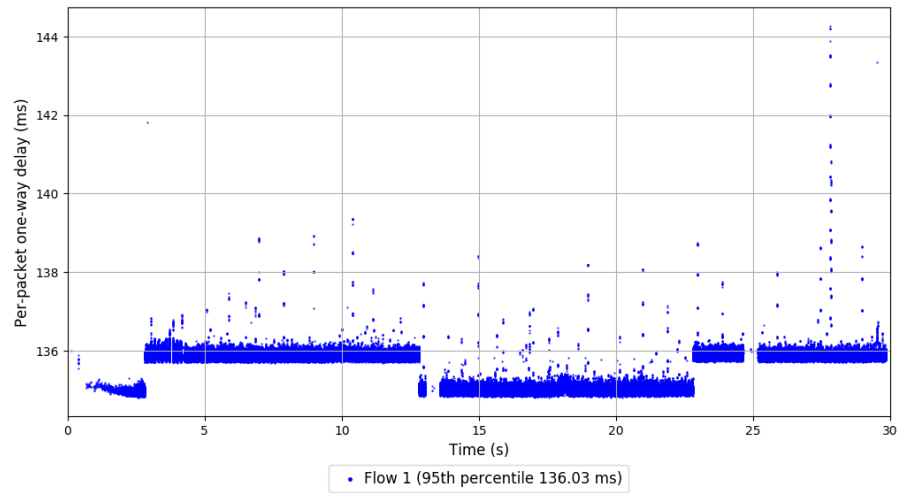
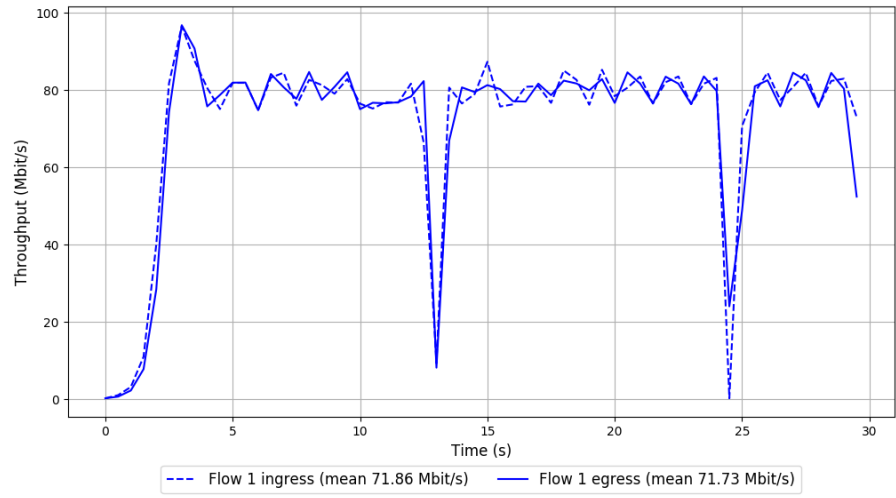
-- Flow 1:

Average throughput: 71.73 Mbit/s

95th percentile per-packet one-way delay: 136.032 ms

Loss rate: 1.01%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-24 20:41:55

End at: 2018-04-24 20:42:25

Below is generated by plot.py at 2018-04-24 23:37:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 136.116 ms

Loss rate: 0.96%

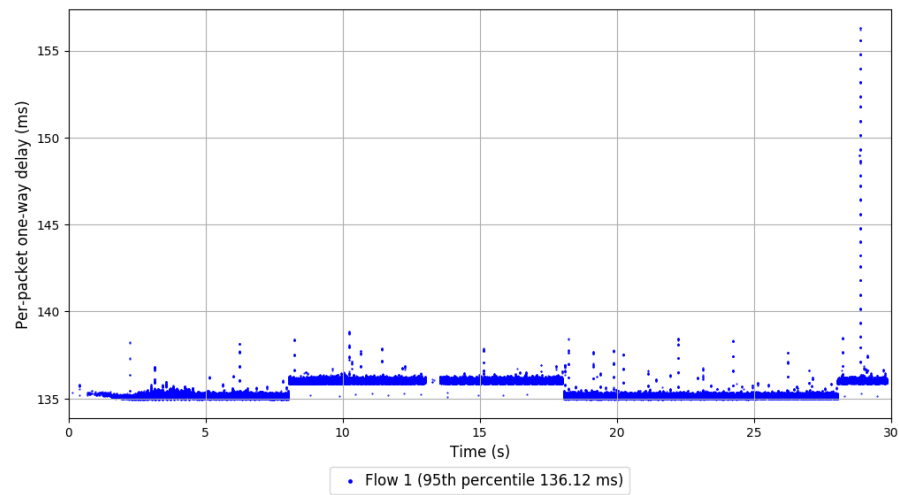
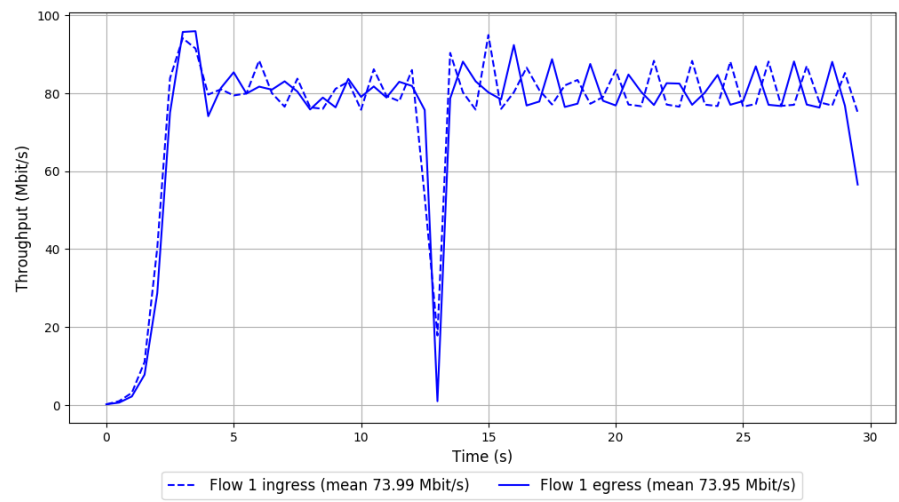
-- Flow 1:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 136.116 ms

Loss rate: 0.96%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 20:56:21

End at: 2018-04-24 20:56:51

Below is generated by plot.py at 2018-04-24 23:37:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.49 Mbit/s

95th percentile per-packet one-way delay: 136.241 ms

Loss rate: 0.96%

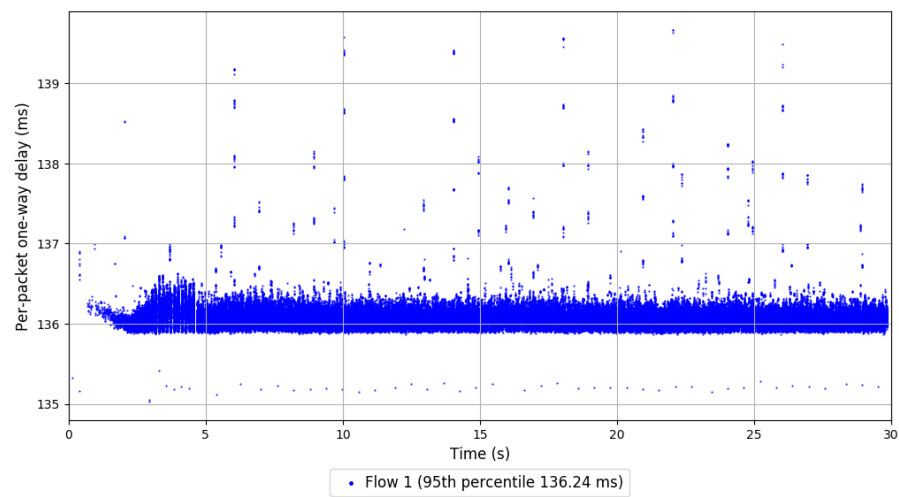
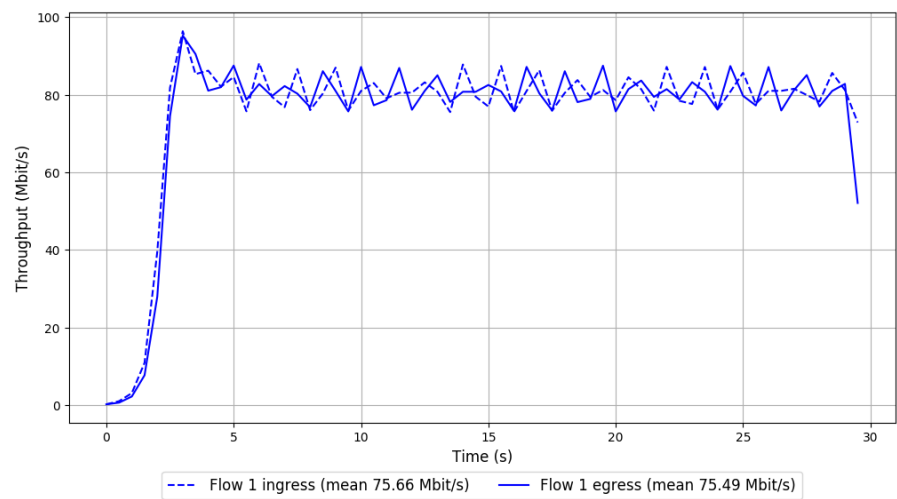
-- Flow 1:

Average throughput: 75.49 Mbit/s

95th percentile per-packet one-way delay: 136.241 ms

Loss rate: 0.96%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 18:50:06

End at: 2018-04-24 18:50:36

Below is generated by plot.py at 2018-04-24 23:37:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.72 Mbit/s

95th percentile per-packet one-way delay: 138.091 ms

Loss rate: 1.18%

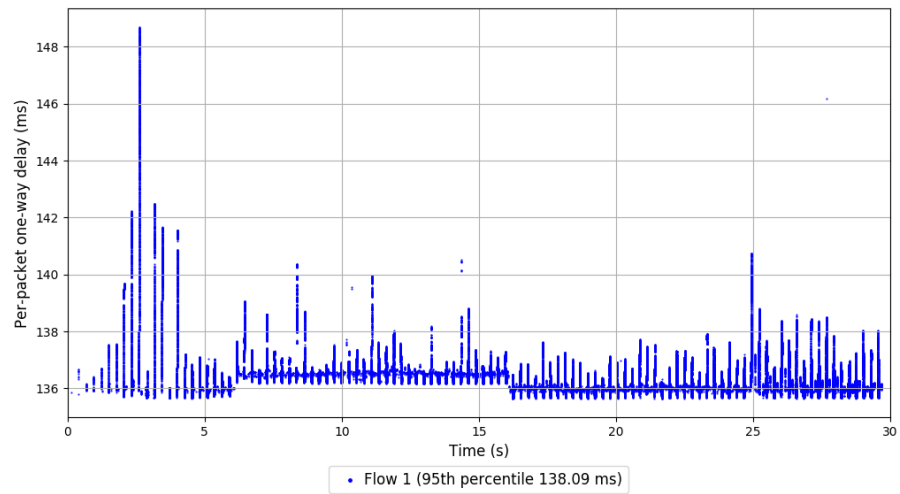
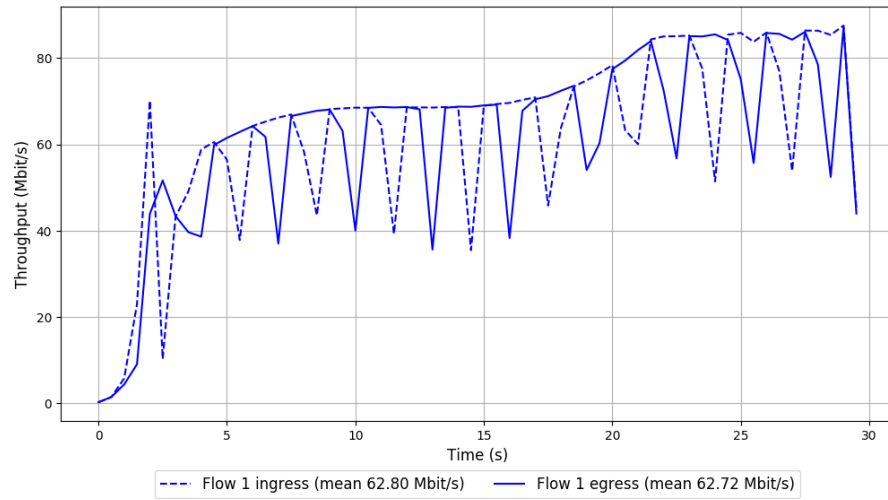
-- Flow 1:

Average throughput: 62.72 Mbit/s

95th percentile per-packet one-way delay: 138.091 ms

Loss rate: 1.18%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 19:04:20

End at: 2018-04-24 19:04:50

Below is generated by plot.py at 2018-04-24 23:37:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.32 Mbit/s

95th percentile per-packet one-way delay: 141.549 ms

Loss rate: 0.72%

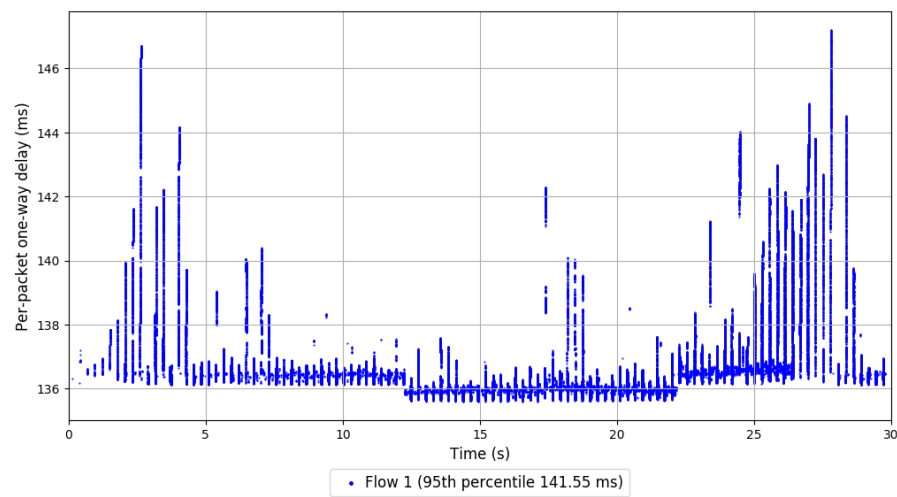
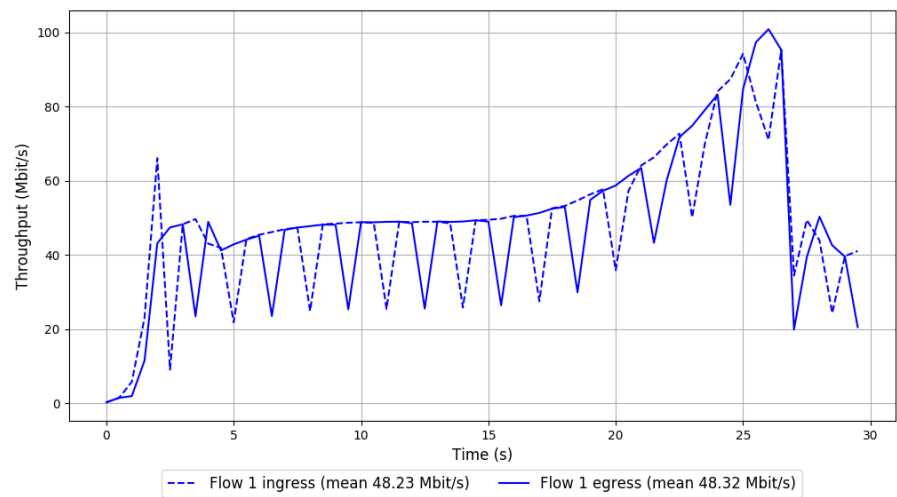
-- Flow 1:

Average throughput: 48.32 Mbit/s

95th percentile per-packet one-way delay: 141.549 ms

Loss rate: 0.72%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 19:18:58

End at: 2018-04-24 19:19:28

Below is generated by plot.py at 2018-04-24 23:37:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.33 Mbit/s

95th percentile per-packet one-way delay: 143.013 ms

Loss rate: 0.47%

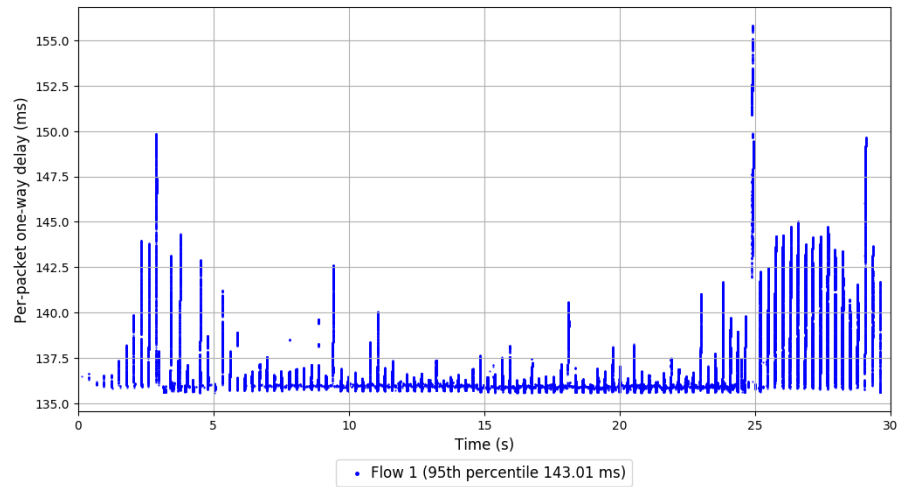
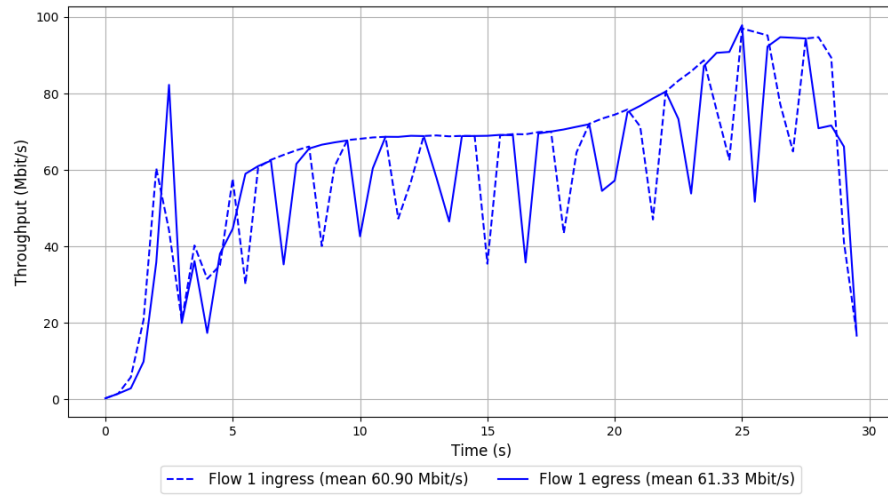
-- Flow 1:

Average throughput: 61.33 Mbit/s

95th percentile per-packet one-way delay: 143.013 ms

Loss rate: 0.47%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 19:33:25

End at: 2018-04-24 19:33:55

Below is generated by plot.py at 2018-04-24 23:37:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.98 Mbit/s

95th percentile per-packet one-way delay: 143.794 ms

Loss rate: 0.98%

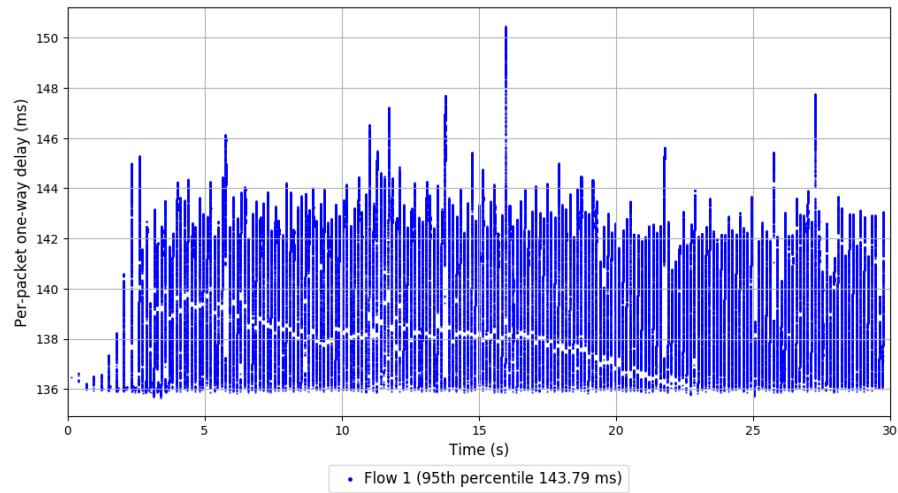
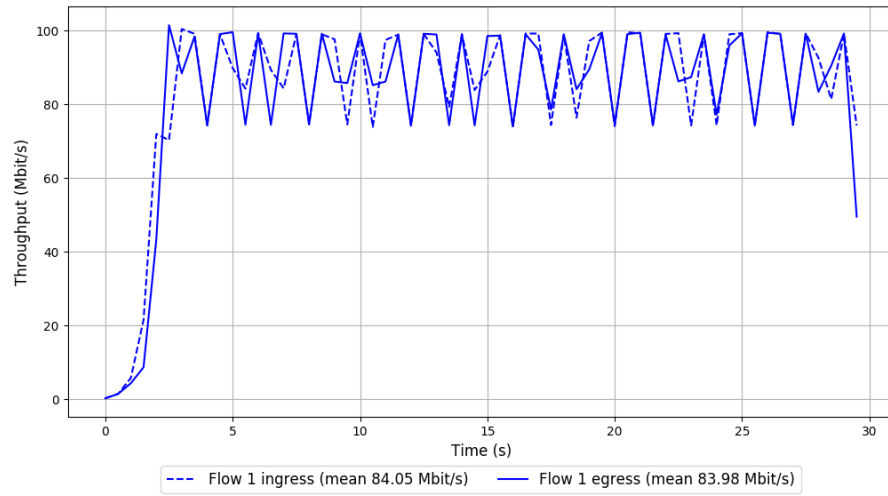
-- Flow 1:

Average throughput: 83.98 Mbit/s

95th percentile per-packet one-way delay: 143.794 ms

Loss rate: 0.98%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 19:47:44

End at: 2018-04-24 19:48:14

Below is generated by plot.py at 2018-04-24 23:37:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.94 Mbit/s

95th percentile per-packet one-way delay: 143.993 ms

Loss rate: 0.94%

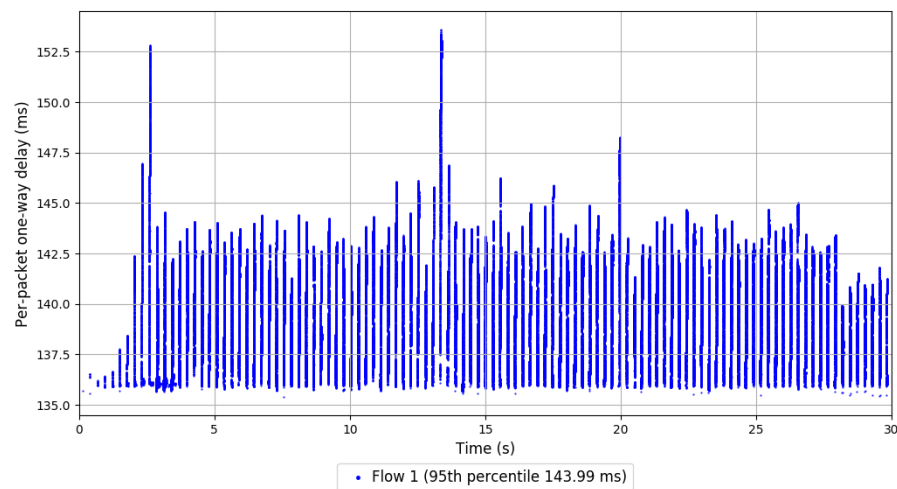
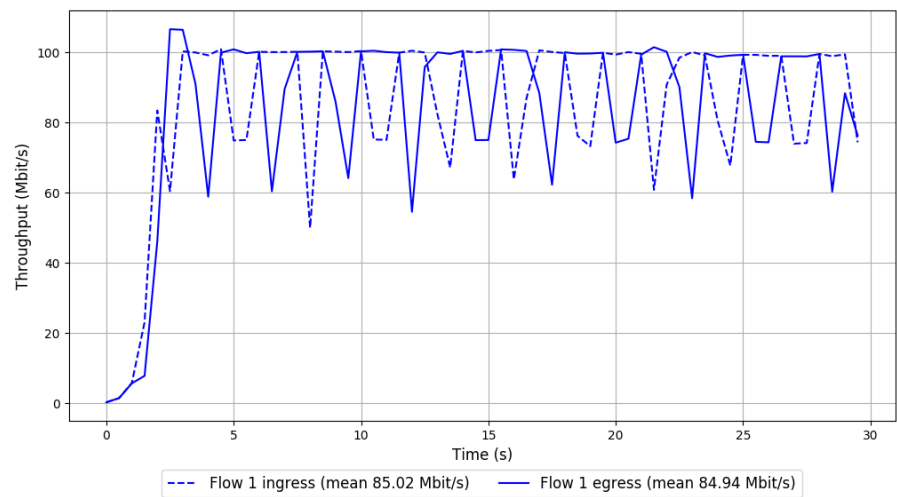
-- Flow 1:

Average throughput: 84.94 Mbit/s

95th percentile per-packet one-way delay: 143.993 ms

Loss rate: 0.94%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 20:02:27

End at: 2018-04-24 20:02:57

Below is generated by plot.py at 2018-04-24 23:37:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.99 Mbit/s

95th percentile per-packet one-way delay: 142.896 ms

Loss rate: 1.36%

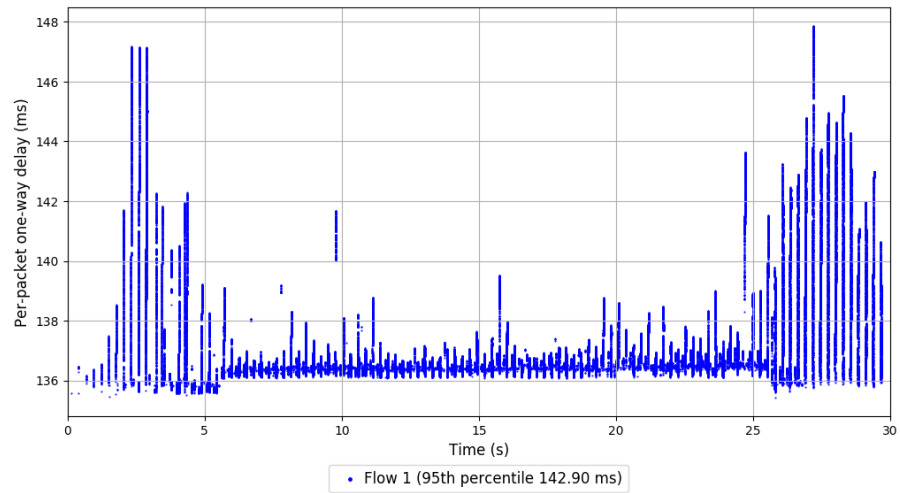
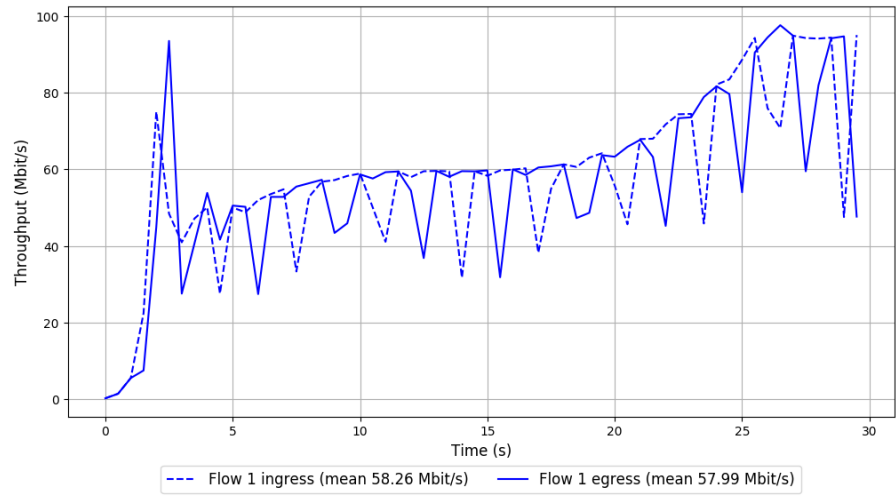
-- Flow 1:

Average throughput: 57.99 Mbit/s

95th percentile per-packet one-way delay: 142.896 ms

Loss rate: 1.36%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 20:16:40

End at: 2018-04-24 20:17:10

Below is generated by plot.py at 2018-04-24 23:38:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.38 Mbit/s

95th percentile per-packet one-way delay: 140.414 ms

Loss rate: 1.70%

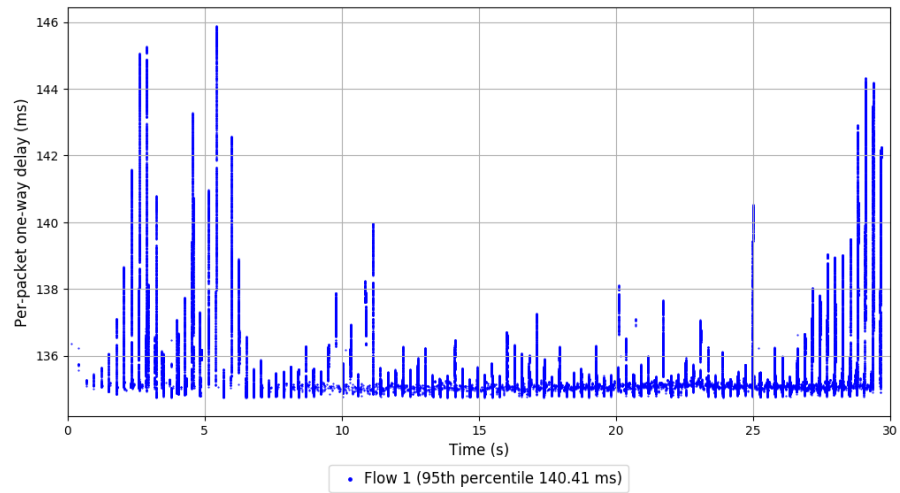
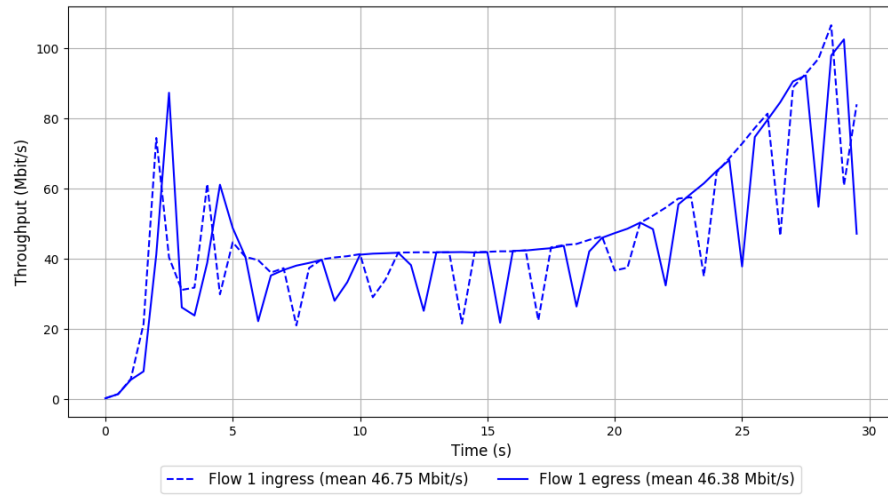
-- Flow 1:

Average throughput: 46.38 Mbit/s

95th percentile per-packet one-way delay: 140.414 ms

Loss rate: 1.70%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 20:30:24

End at: 2018-04-24 20:30:54

Below is generated by plot.py at 2018-04-24 23:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.73 Mbit/s

95th percentile per-packet one-way delay: 138.076 ms

Loss rate: 1.28%

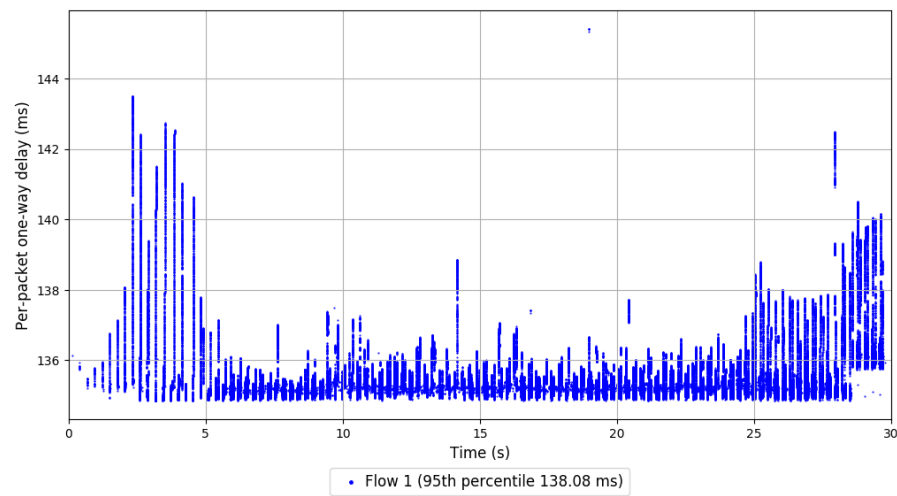
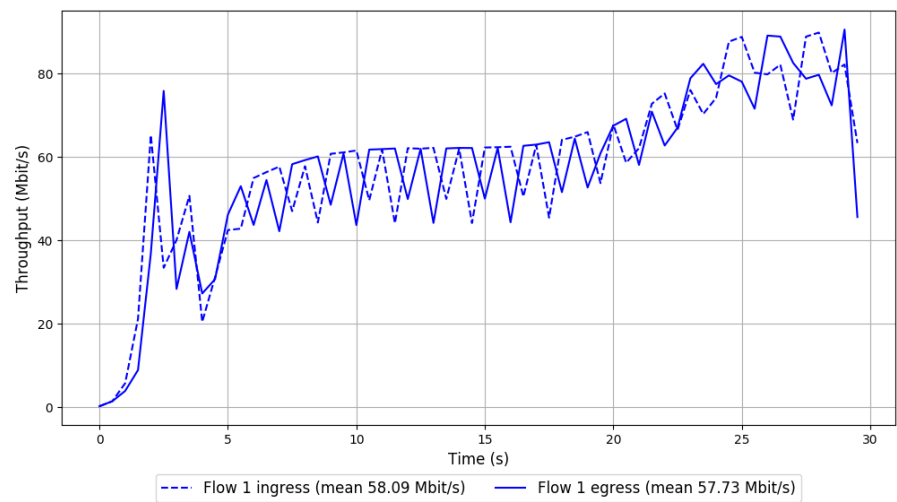
-- Flow 1:

Average throughput: 57.73 Mbit/s

95th percentile per-packet one-way delay: 138.076 ms

Loss rate: 1.28%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 20:45:01

End at: 2018-04-24 20:45:31

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 143.822 ms

Loss rate: 0.98%

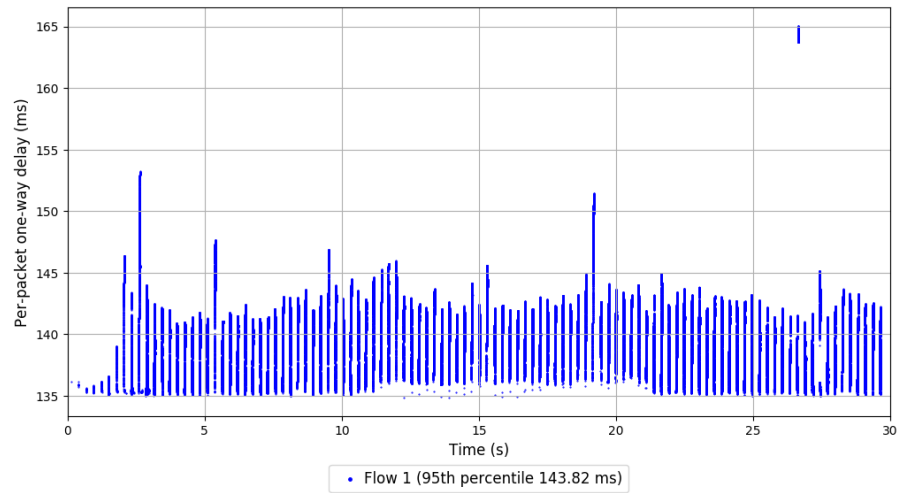
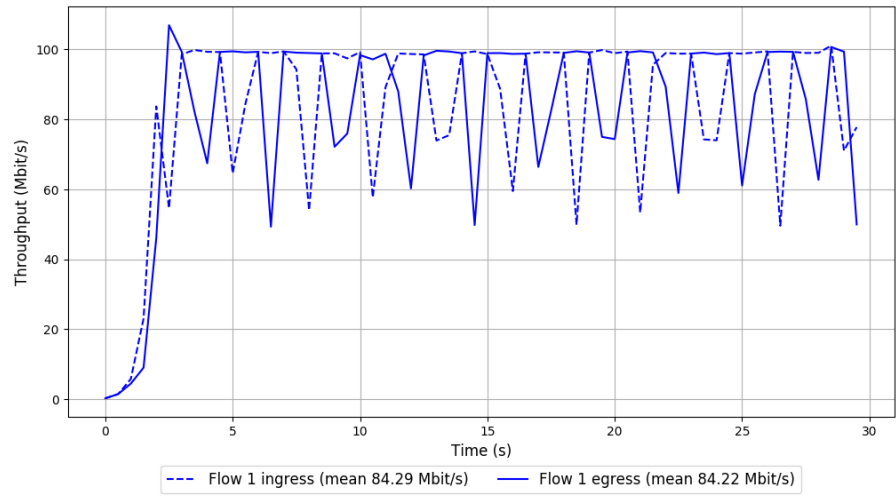
-- Flow 1:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 143.822 ms

Loss rate: 0.98%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 20:59:25

End at: 2018-04-24 20:59:55

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.94 Mbit/s

95th percentile per-packet one-way delay: 137.758 ms

Loss rate: 1.30%

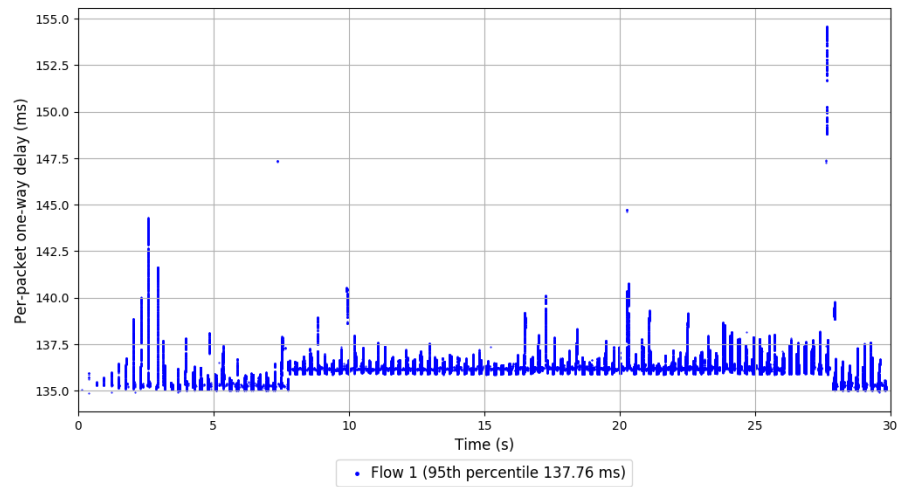
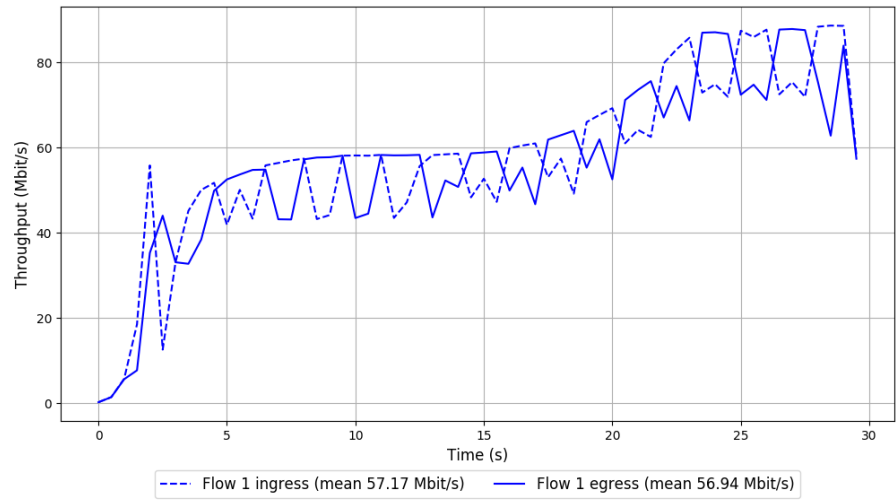
-- Flow 1:

Average throughput: 56.94 Mbit/s

95th percentile per-packet one-way delay: 137.758 ms

Loss rate: 1.30%

Run 10: Report of TCP Cubic — Data Link

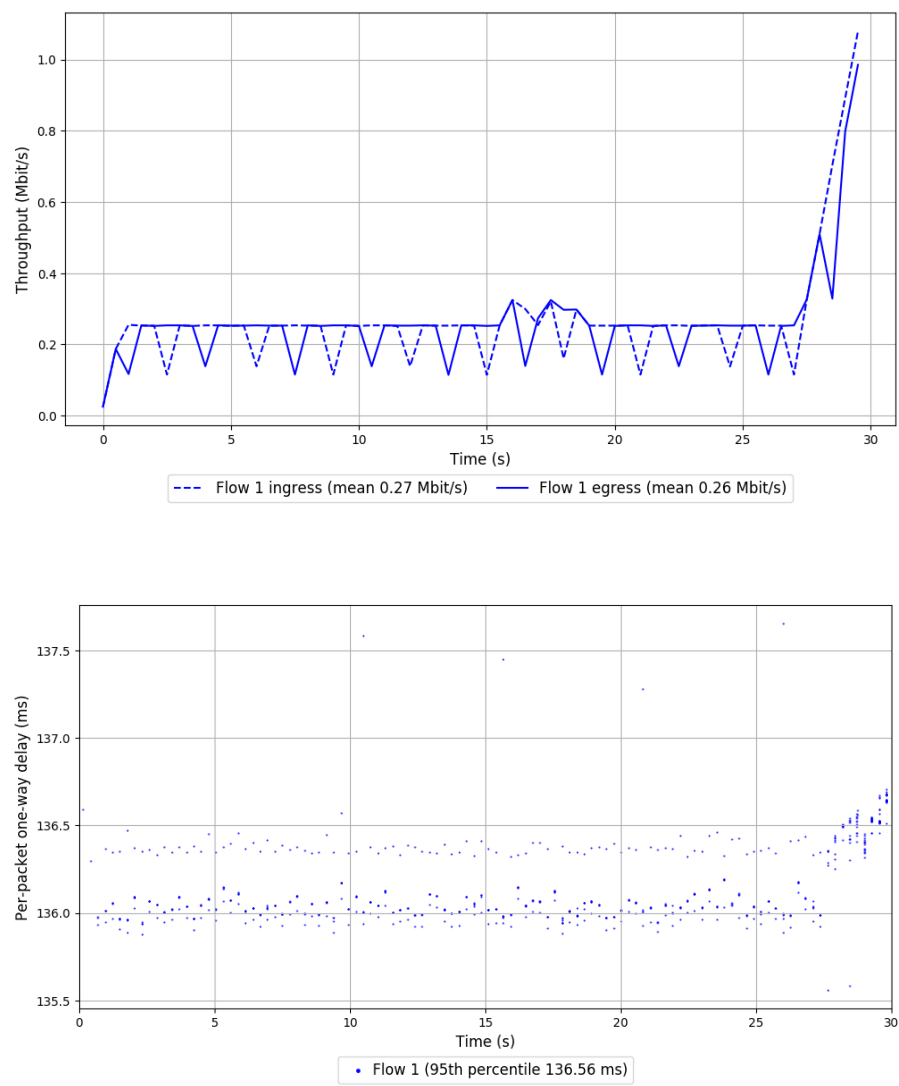


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 18:44:55
End at: 2018-04-24 18:45:25

# Below is generated by plot.py at 2018-04-24 23:38:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 136.564 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 136.564 ms
Loss rate: 3.47%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-04-24 18:59:00

End at: 2018-04-24 18:59:30

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 137.098 ms

Loss rate: 3.09%

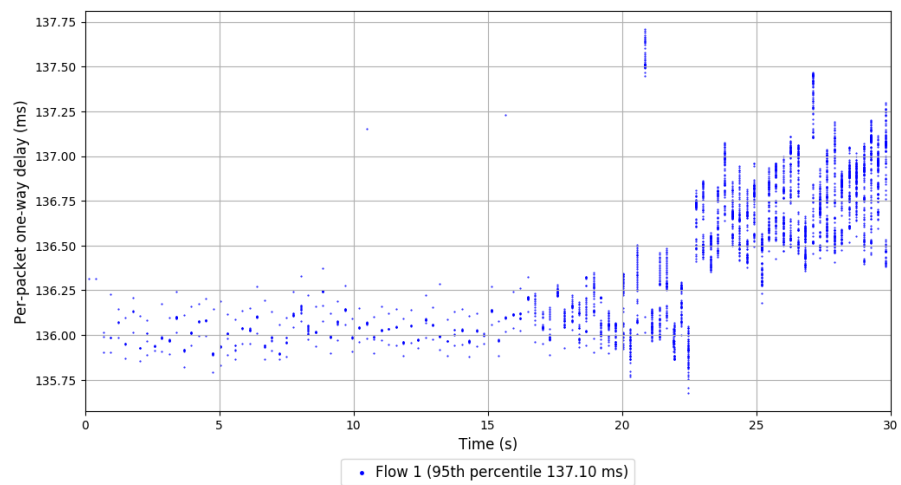
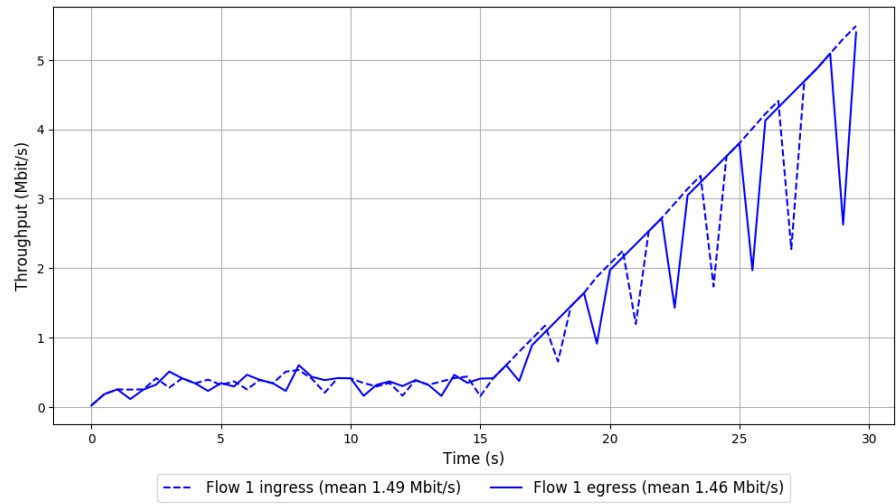
-- Flow 1:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 137.098 ms

Loss rate: 3.09%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-24 19:13:39

End at: 2018-04-24 19:14:09

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 137.264 ms

Loss rate: 1.82%

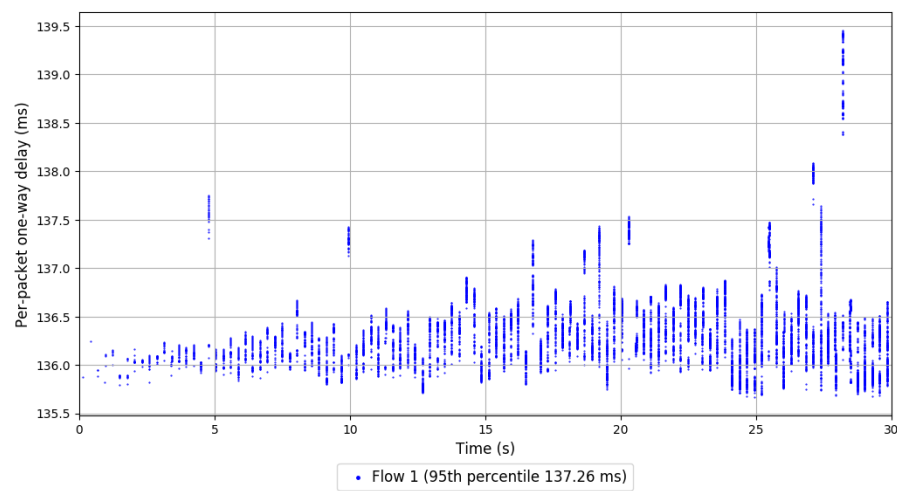
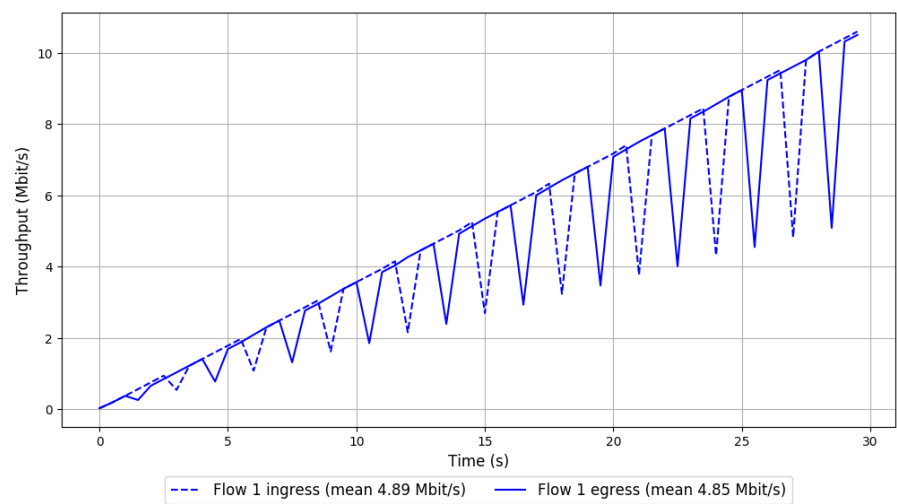
-- Flow 1:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 137.264 ms

Loss rate: 1.82%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-24 19:28:09

End at: 2018-04-24 19:28:39

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.79 Mbit/s

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

Loss rate: 1.83%

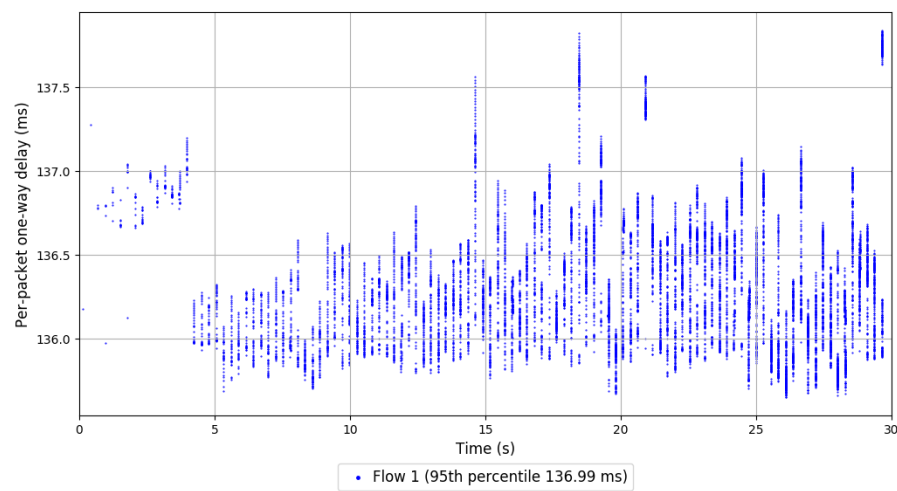
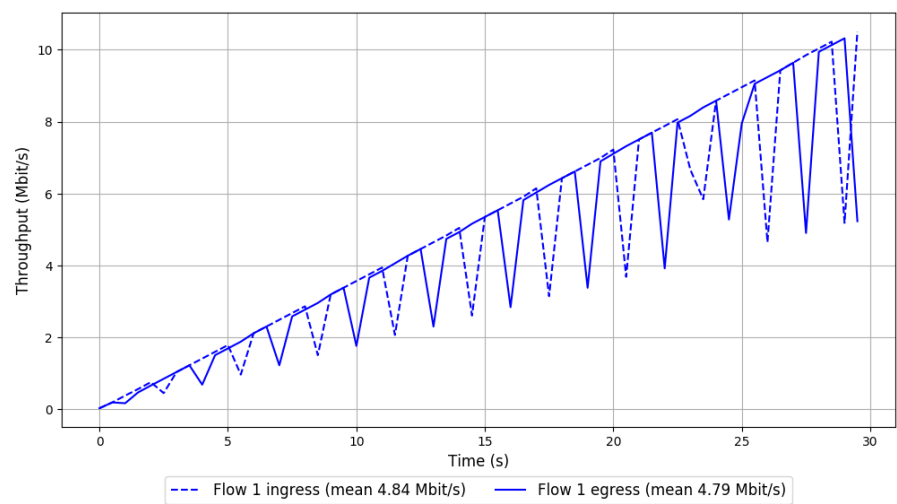
-- Flow 1:

Average throughput: 4.79 Mbit/s

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

Loss rate: 1.83%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-24 19:42:24

End at: 2018-04-24 19:42:54

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 137.016 ms

Loss rate: 3.79%

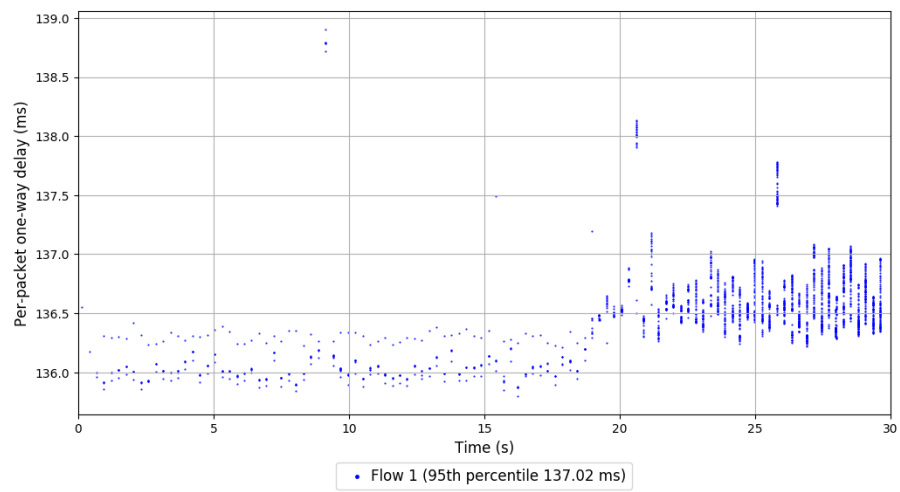
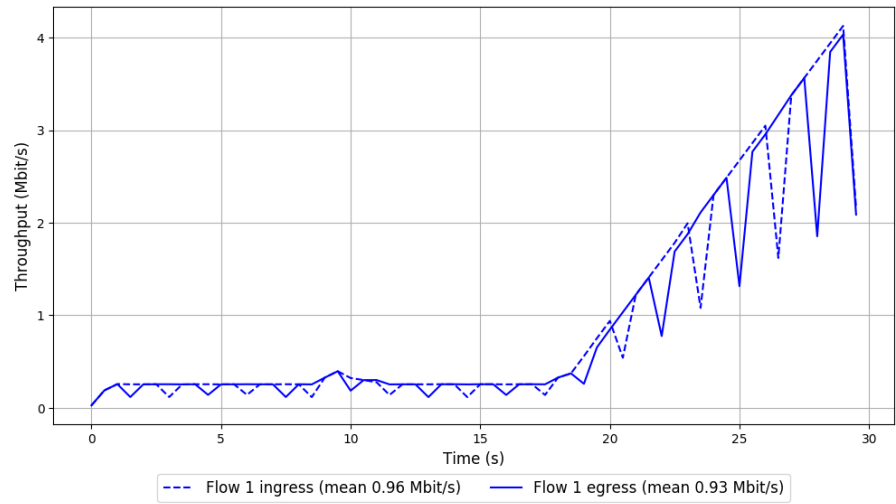
-- Flow 1:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 137.016 ms

Loss rate: 3.79%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-24 19:57:06

End at: 2018-04-24 19:57:36

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 136.854 ms

Loss rate: 2.30%

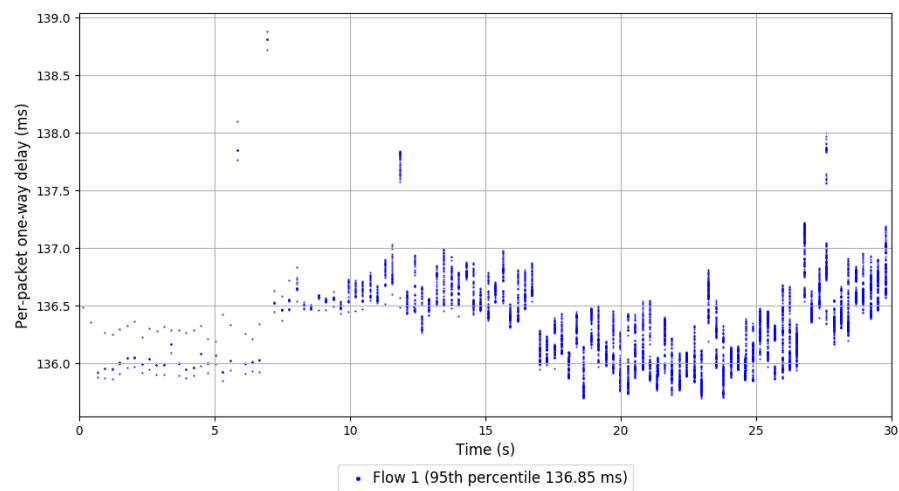
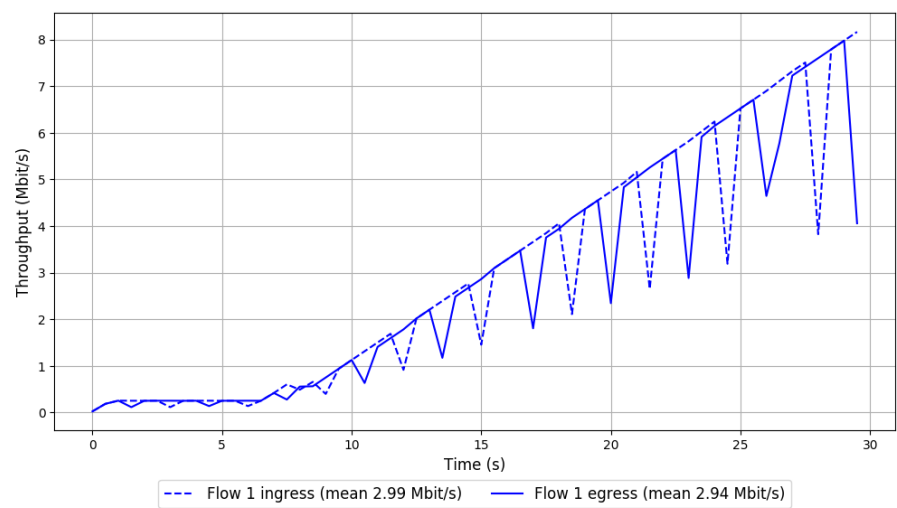
-- Flow 1:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 136.854 ms

Loss rate: 2.30%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-24 20:11:28

End at: 2018-04-24 20:11:58

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.87 Mbit/s

95th percentile per-packet one-way delay: 136.259 ms

Loss rate: 1.82%

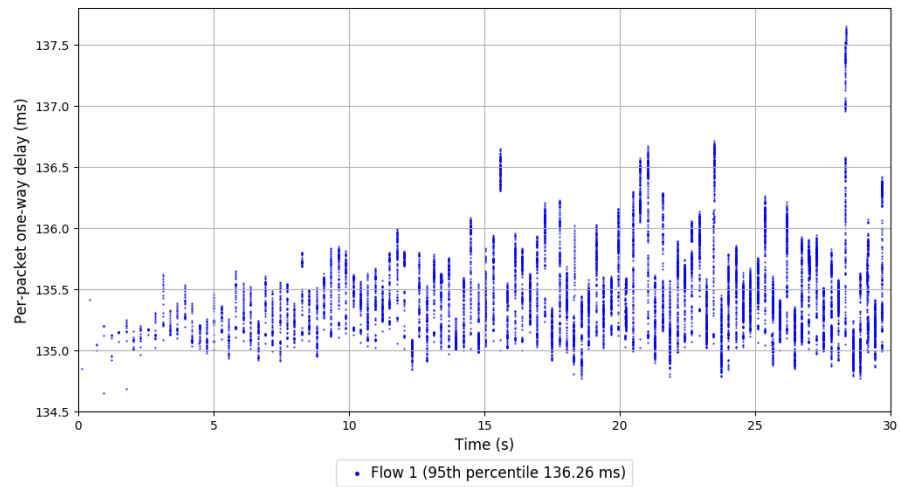
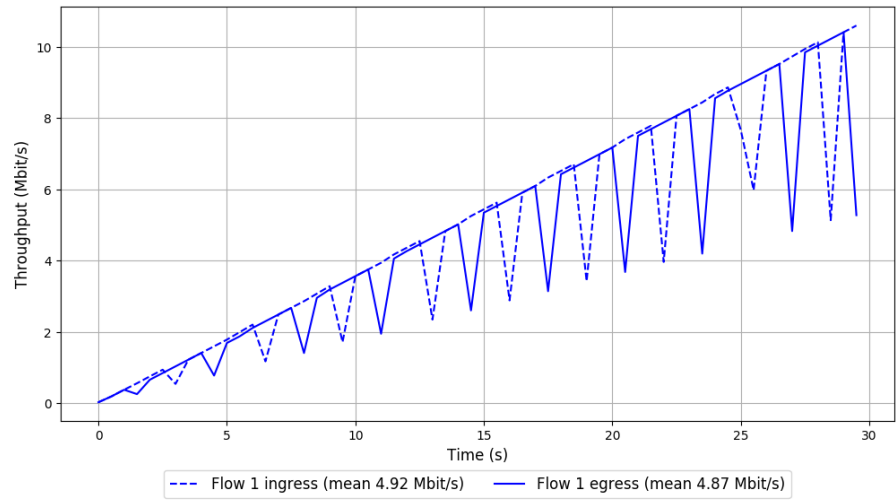
-- Flow 1:

Average throughput: 4.87 Mbit/s

95th percentile per-packet one-way delay: 136.259 ms

Loss rate: 1.82%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 20:25:13

End at: 2018-04-24 20:25:43

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 136.955 ms

Loss rate: 1.83%

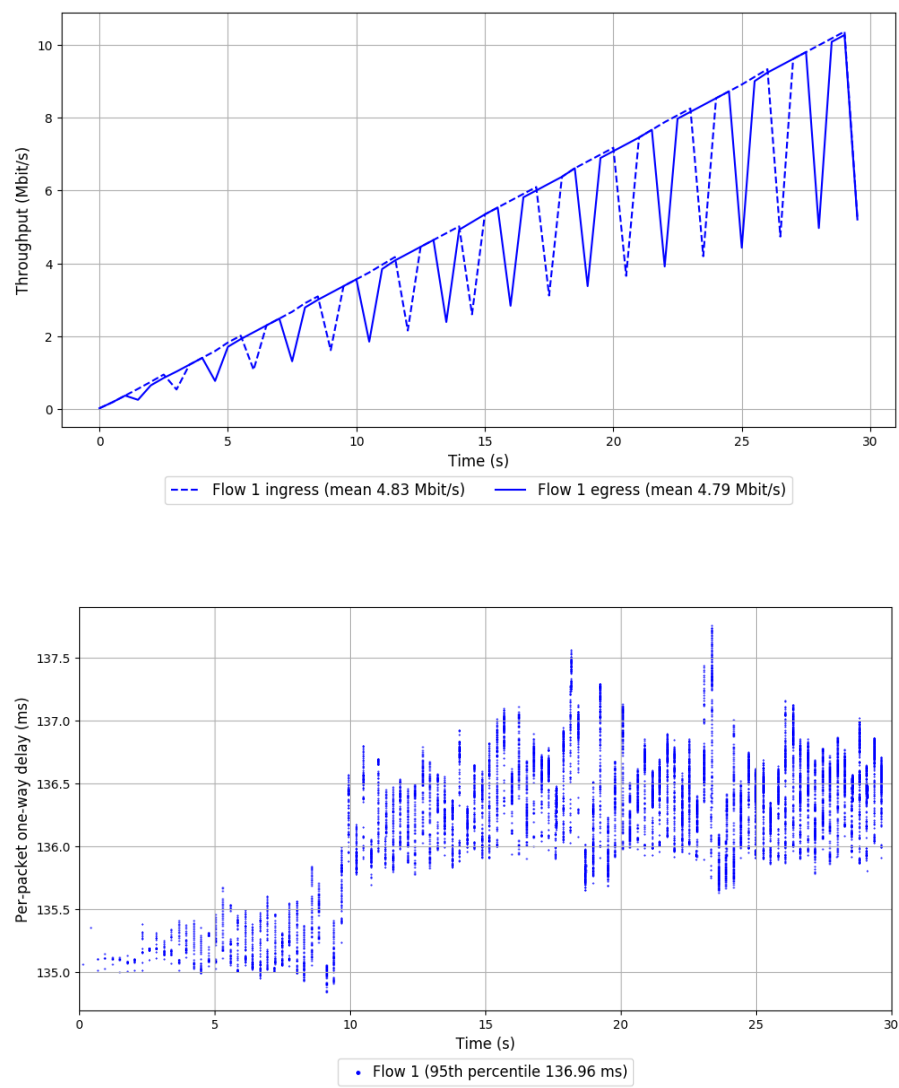
-- Flow 1:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 136.955 ms

Loss rate: 1.83%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-24 20:39:48

End at: 2018-04-24 20:40:18

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 137.108 ms

Loss rate: 1.83%

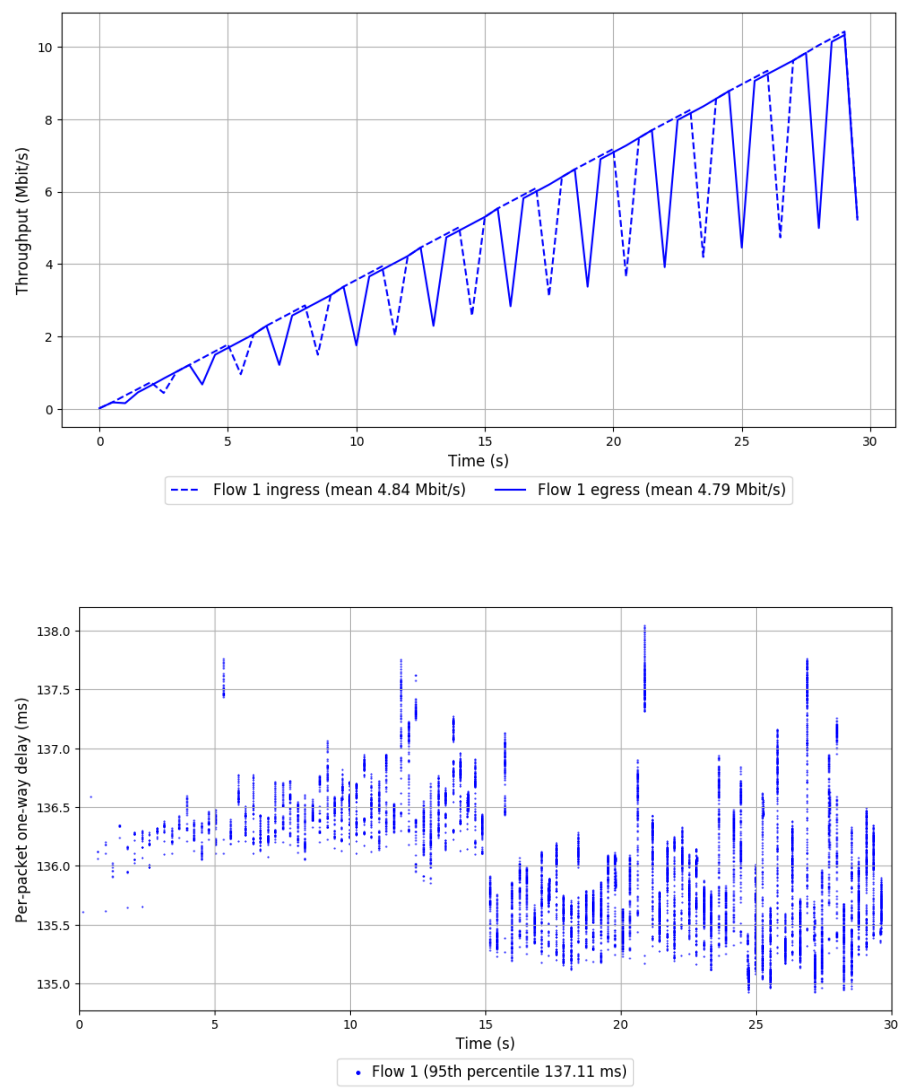
-- Flow 1:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 137.108 ms

Loss rate: 1.83%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 20:54:14

End at: 2018-04-24 20:54:45

Below is generated by plot.py at 2018-04-24 23:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.94 Mbit/s

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

Loss rate: 3.74%

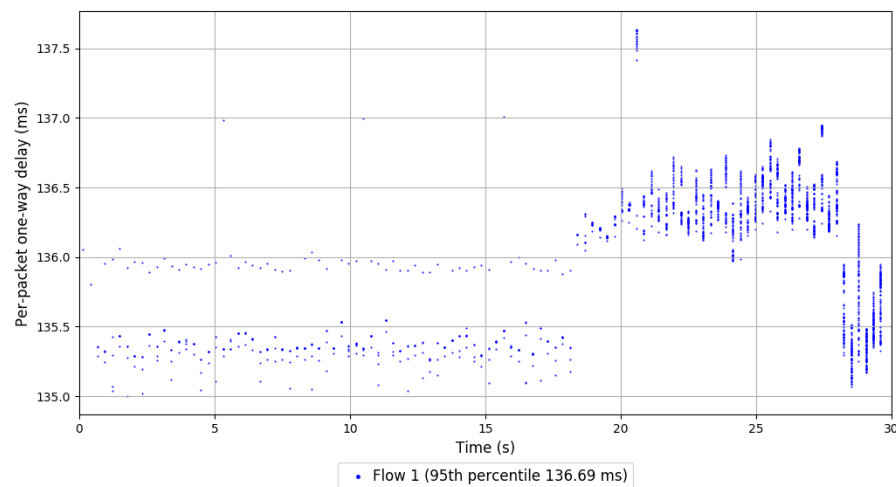
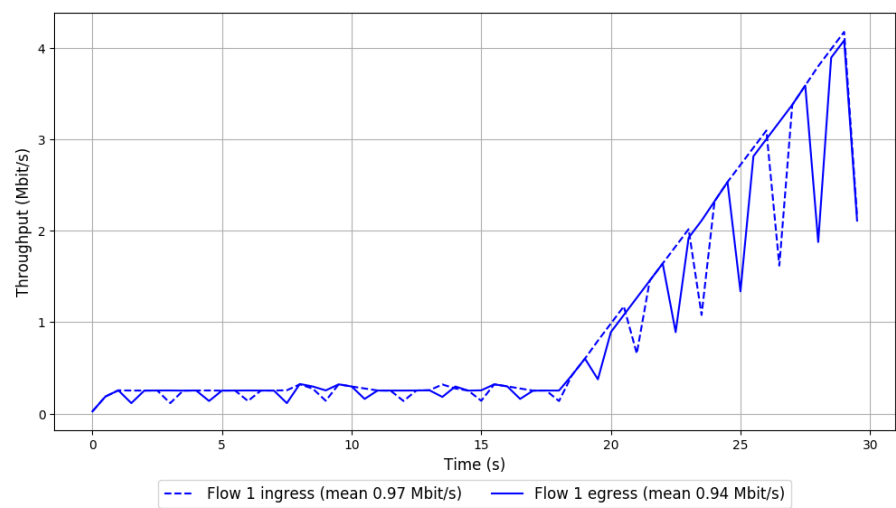
-- Flow 1:

Average throughput: 0.94 Mbit/s

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

Loss rate: 3.74%

Run 10: Report of LEDBAT — Data Link

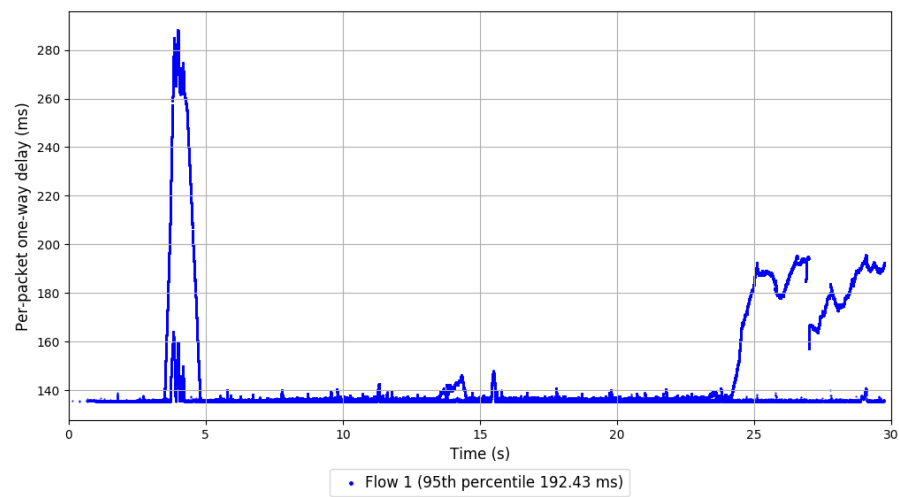
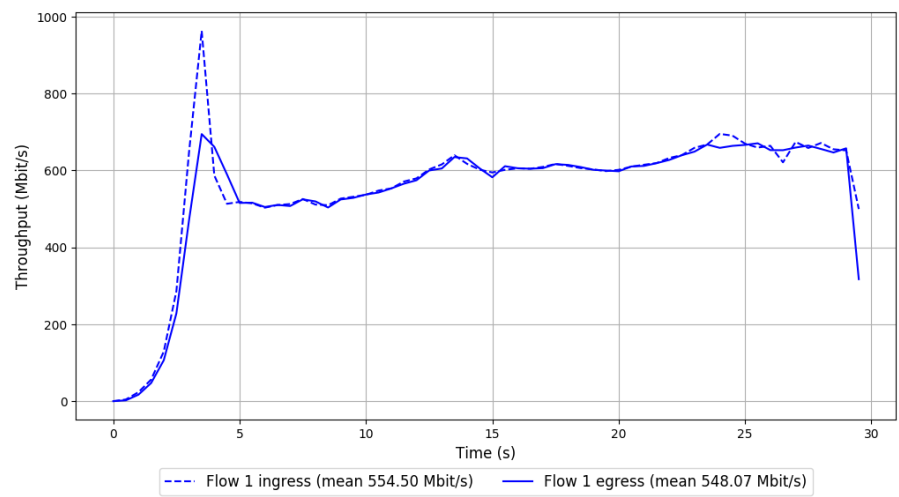


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 18:51:55
End at: 2018-04-24 18:52:25

# Below is generated by plot.py at 2018-04-24 23:46:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 548.07 Mbit/s
95th percentile per-packet one-way delay: 192.431 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 548.07 Mbit/s
95th percentile per-packet one-way delay: 192.431 ms
Loss rate: 2.06%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 19:06:13

End at: 2018-04-24 19:06:44

Below is generated by plot.py at 2018-04-24 23:46:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 551.28 Mbit/s

95th percentile per-packet one-way delay: 252.205 ms

Loss rate: 2.76%

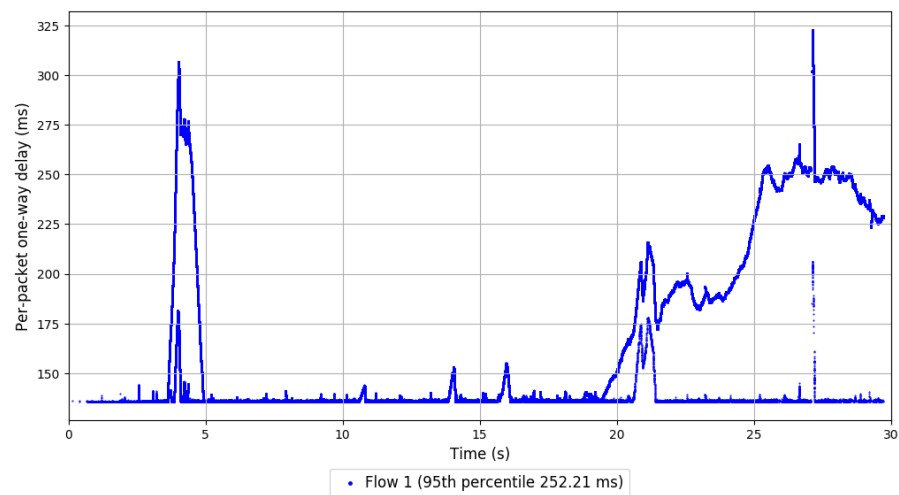
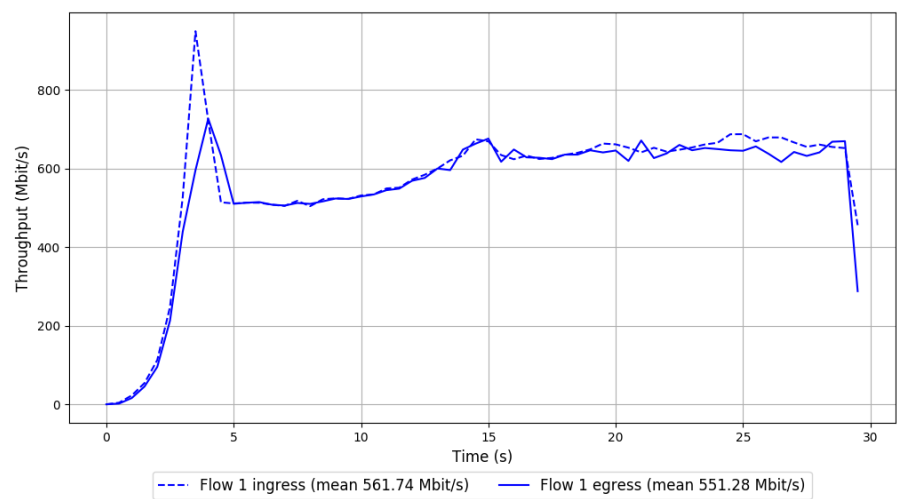
-- Flow 1:

Average throughput: 551.28 Mbit/s

95th percentile per-packet one-way delay: 252.205 ms

Loss rate: 2.76%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 19:20:46

End at: 2018-04-24 19:21:16

Below is generated by plot.py at 2018-04-24 23:46:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 506.10 Mbit/s

95th percentile per-packet one-way delay: 222.597 ms

Loss rate: 2.01%

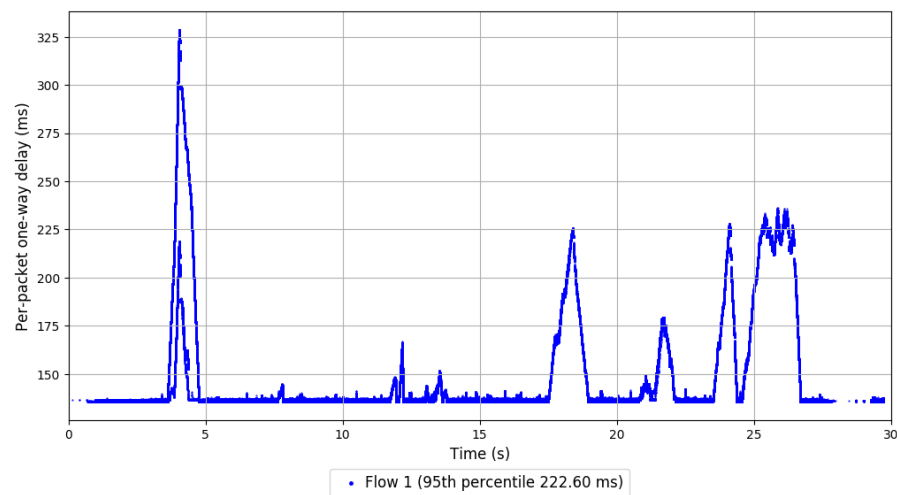
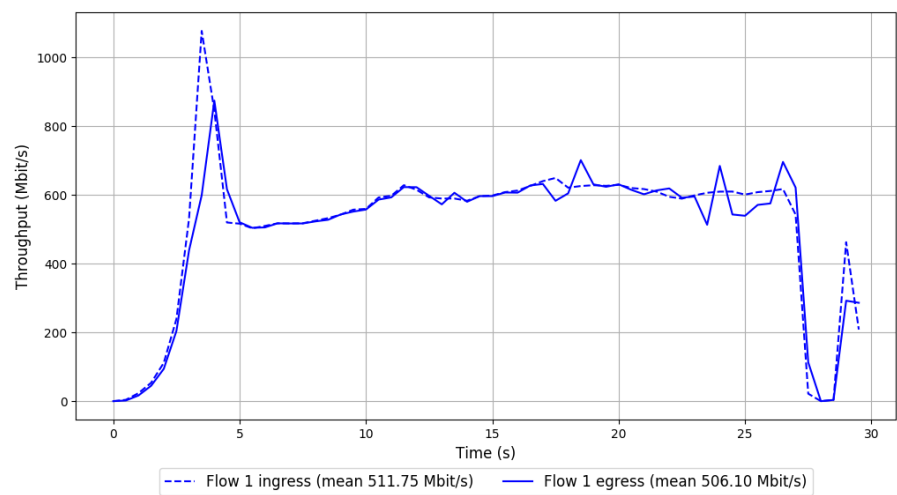
-- Flow 1:

Average throughput: 506.10 Mbit/s

95th percentile per-packet one-way delay: 222.597 ms

Loss rate: 2.01%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 19:35:16

End at: 2018-04-24 19:35:46

Below is generated by plot.py at 2018-04-24 23:46:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 539.37 Mbit/s

95th percentile per-packet one-way delay: 178.498 ms

Loss rate: 1.75%

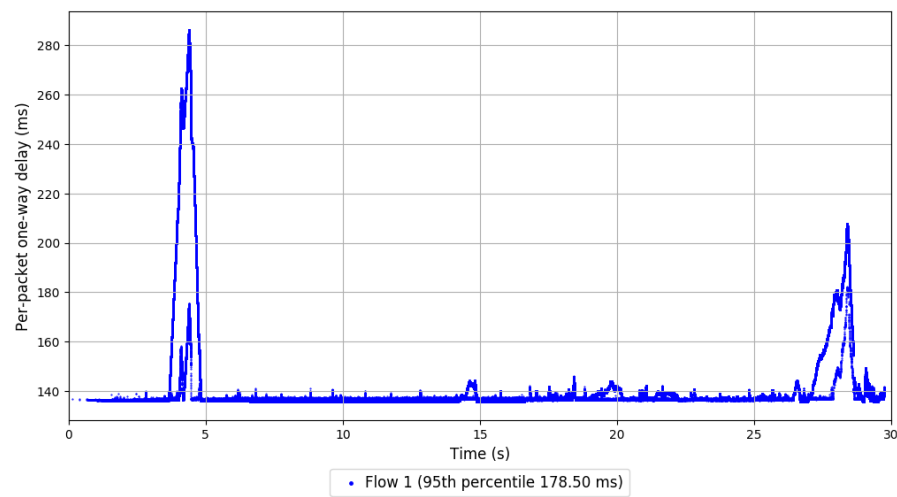
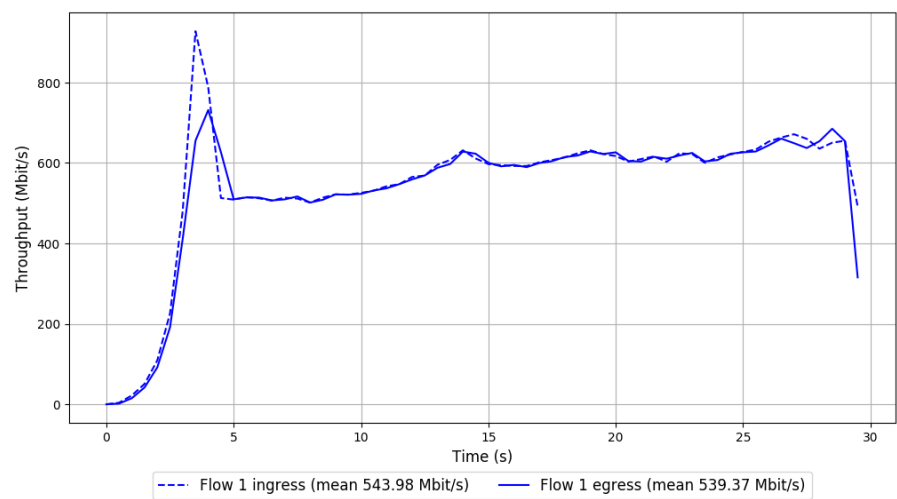
-- Flow 1:

Average throughput: 539.37 Mbit/s

95th percentile per-packet one-way delay: 178.498 ms

Loss rate: 1.75%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 19:49:38

End at: 2018-04-24 19:50:08

Below is generated by plot.py at 2018-04-24 23:46:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.26 Mbit/s

95th percentile per-packet one-way delay: 210.970 ms

Loss rate: 1.61%

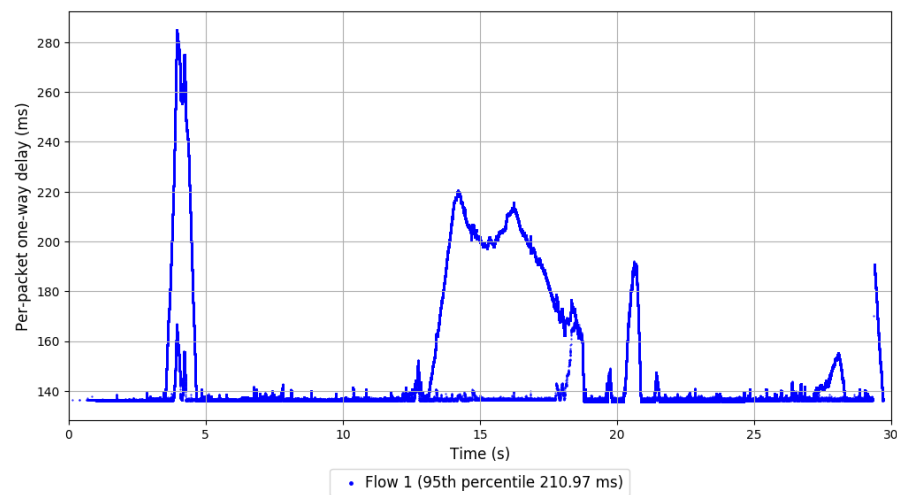
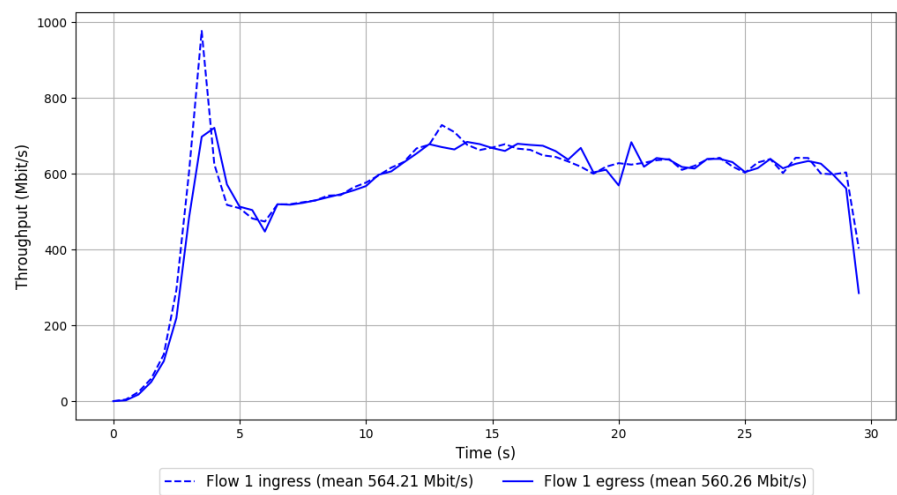
-- Flow 1:

Average throughput: 560.26 Mbit/s

95th percentile per-packet one-way delay: 210.970 ms

Loss rate: 1.61%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 20:04:21

End at: 2018-04-24 20:04:51

Below is generated by plot.py at 2018-04-24 23:46:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.13 Mbit/s

95th percentile per-packet one-way delay: 188.721 ms

Loss rate: 1.98%

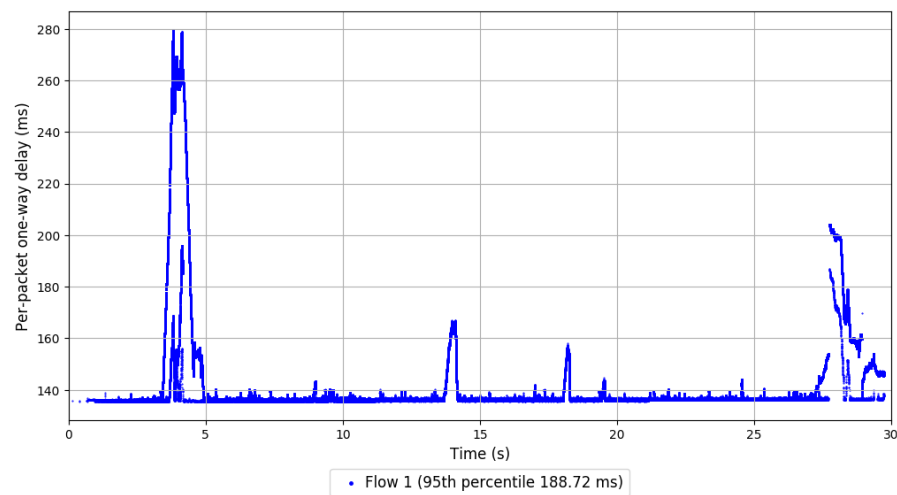
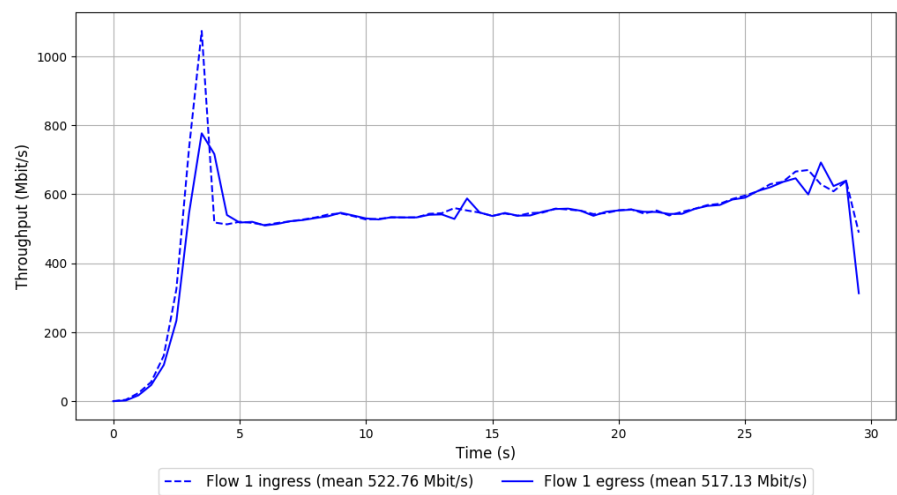
-- Flow 1:

Average throughput: 517.13 Mbit/s

95th percentile per-packet one-way delay: 188.721 ms

Loss rate: 1.98%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 20:18:34

End at: 2018-04-24 20:19:04

Below is generated by plot.py at 2018-04-24 23:46:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 533.88 Mbit/s

95th percentile per-packet one-way delay: 222.645 ms

Loss rate: 2.14%

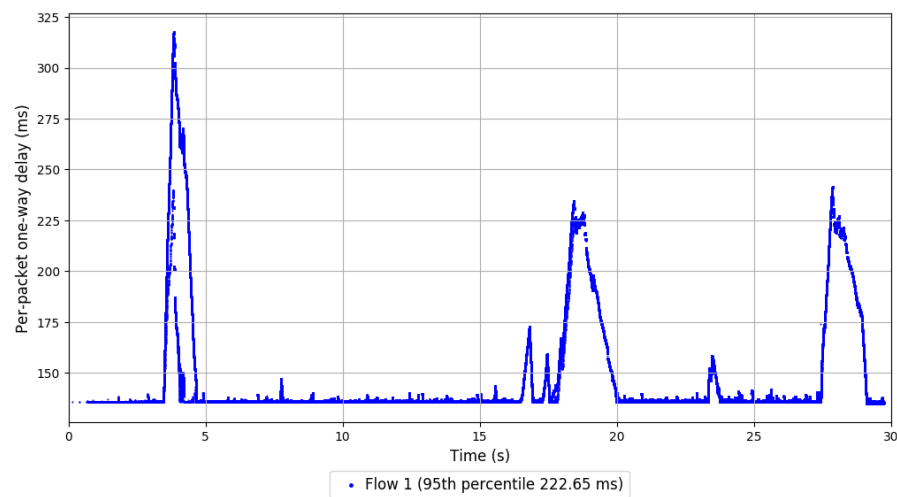
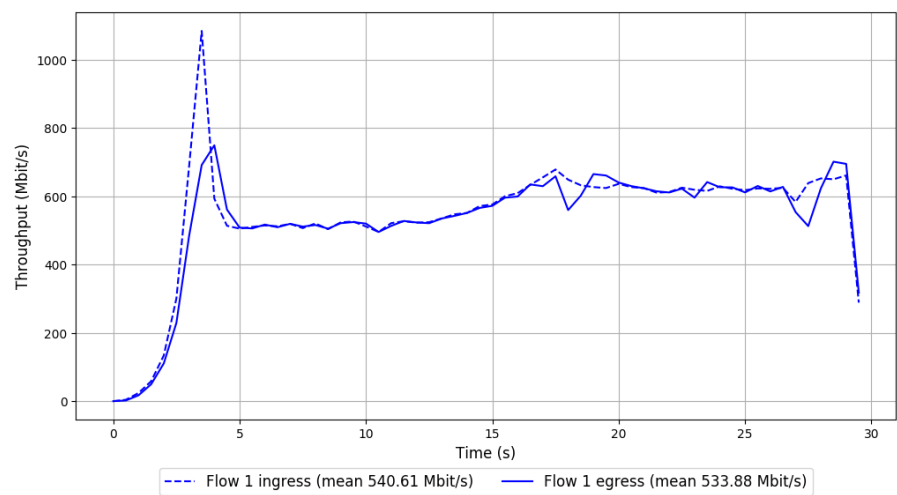
-- Flow 1:

Average throughput: 533.88 Mbit/s

95th percentile per-packet one-way delay: 222.645 ms

Loss rate: 2.14%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 20:32:17

End at: 2018-04-24 20:32:47

Below is generated by plot.py at 2018-04-24 23:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 550.63 Mbit/s

95th percentile per-packet one-way delay: 248.899 ms

Loss rate: 2.98%

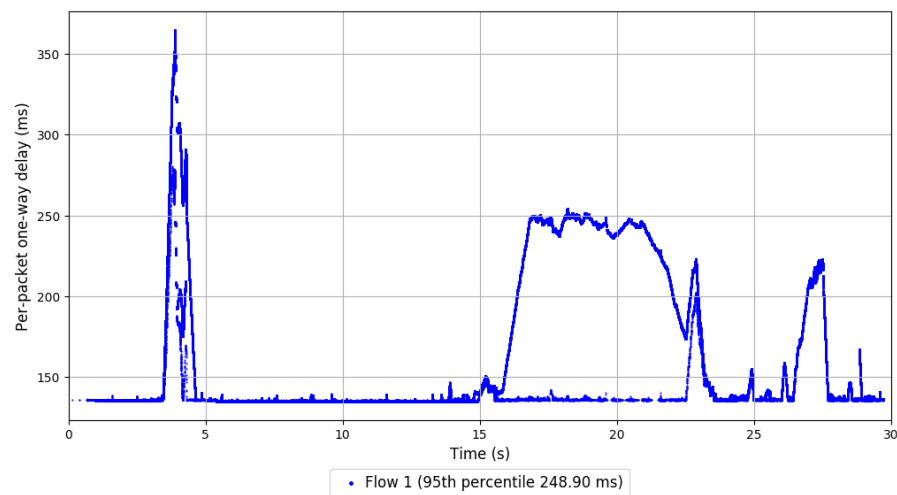
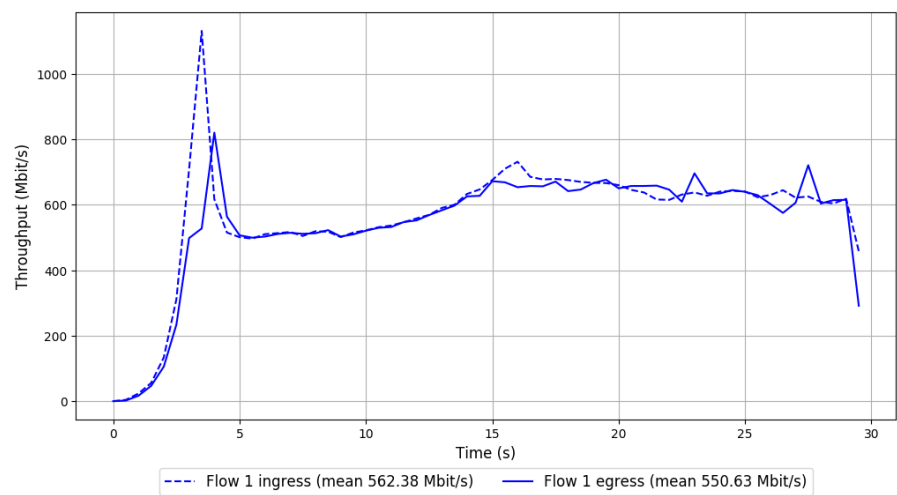
-- Flow 1:

Average throughput: 550.63 Mbit/s

95th percentile per-packet one-way delay: 248.899 ms

Loss rate: 2.98%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 20:46:51

End at: 2018-04-24 20:47:21

Below is generated by plot.py at 2018-04-24 23:55:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 546.95 Mbit/s

95th percentile per-packet one-way delay: 251.150 ms

Loss rate: 2.90%

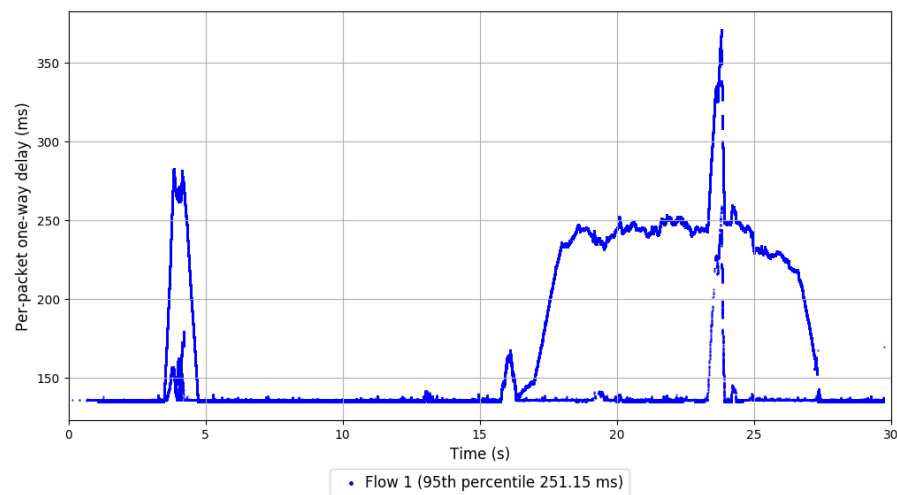
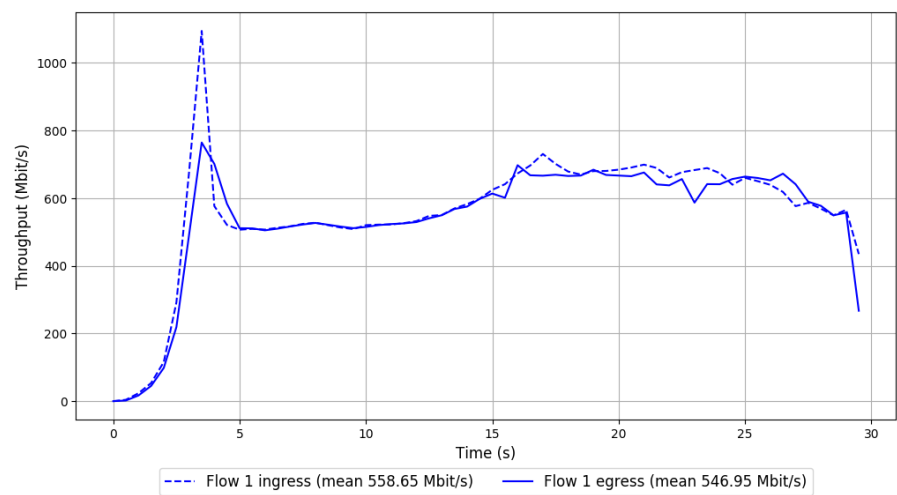
-- Flow 1:

Average throughput: 546.95 Mbit/s

95th percentile per-packet one-way delay: 251.150 ms

Loss rate: 2.90%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 21:01:13

End at: 2018-04-24 21:01:43

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 545.72 Mbit/s

95th percentile per-packet one-way delay: 237.687 ms

Loss rate: 2.42%

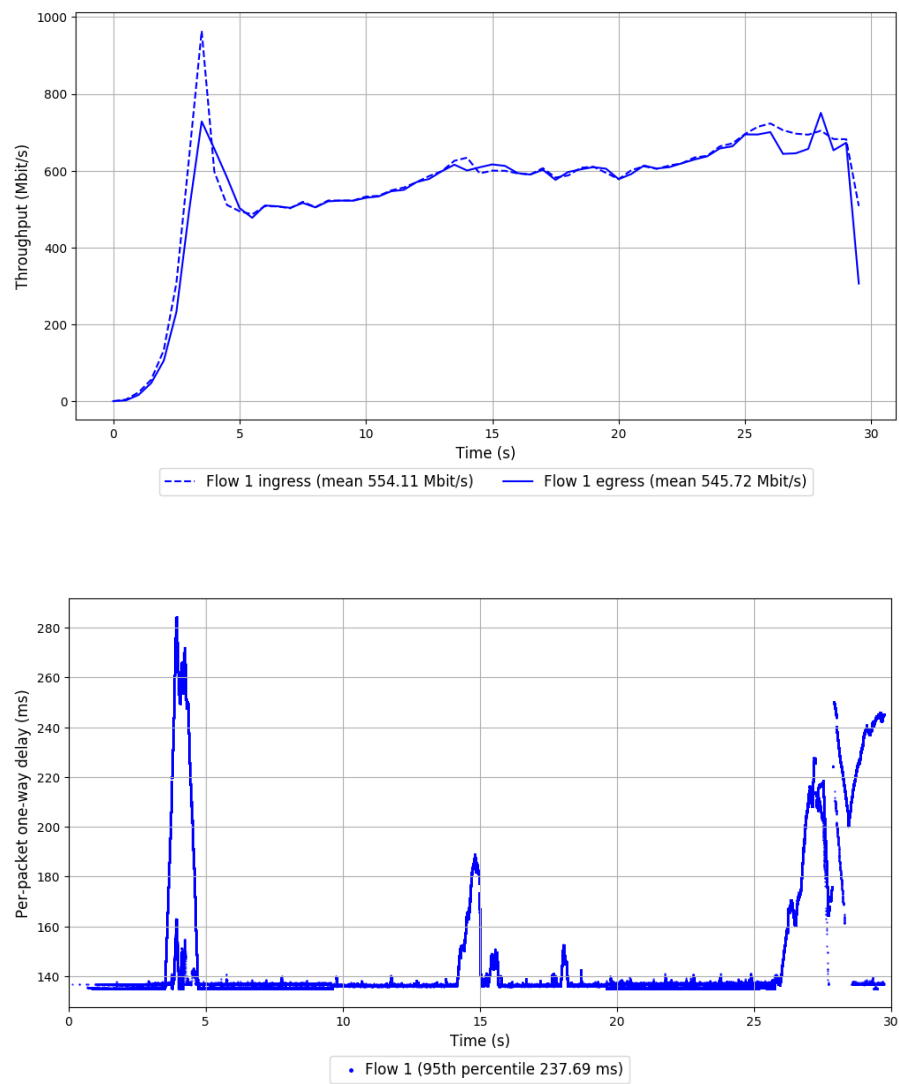
-- Flow 1:

Average throughput: 545.72 Mbit/s

95th percentile per-packet one-way delay: 237.687 ms

Loss rate: 2.42%

Run 10: Report of PCC-Allegro — Data Link

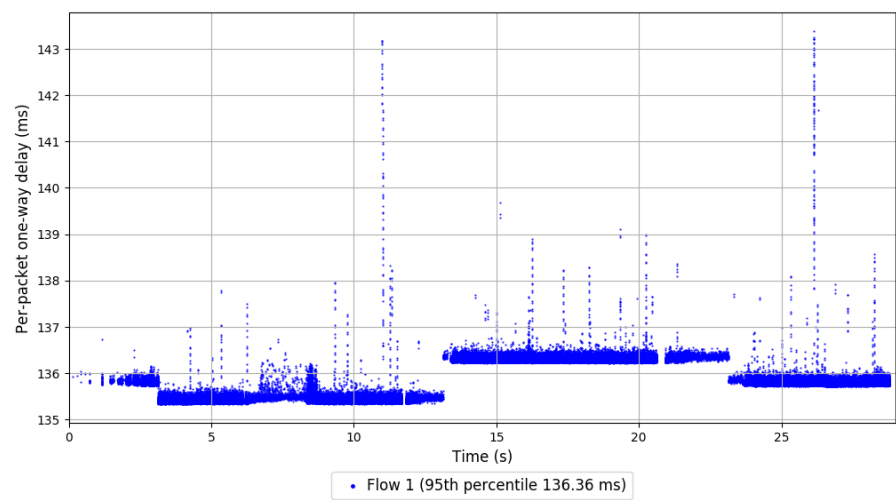
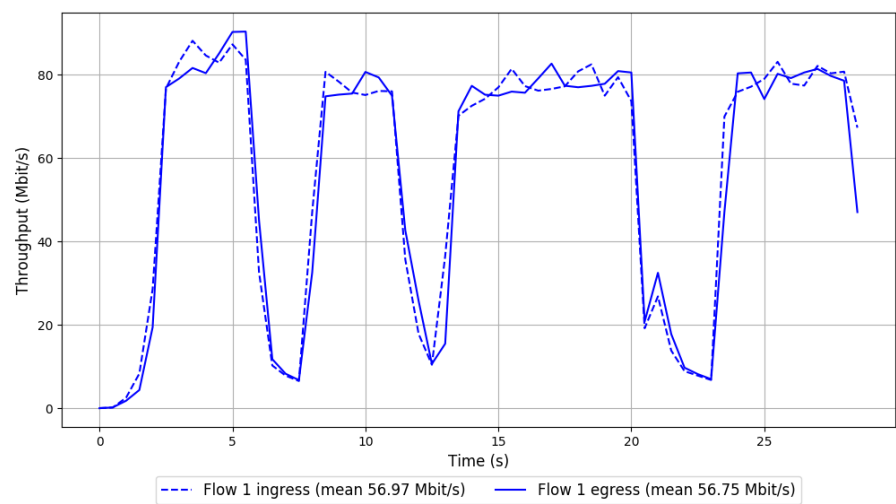


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 18:48:38
End at: 2018-04-24 18:49:08

# Below is generated by plot.py at 2018-04-24 23:55:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 136.361 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 136.361 ms
Loss rate: 1.33%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 19:02:52

End at: 2018-04-24 19:03:22

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.05 Mbit/s

95th percentile per-packet one-way delay: 136.281 ms

Loss rate: 1.25%

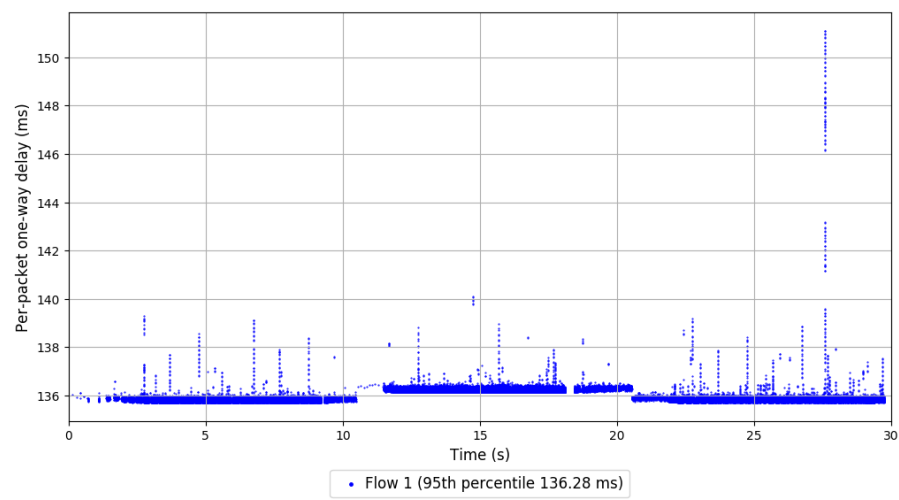
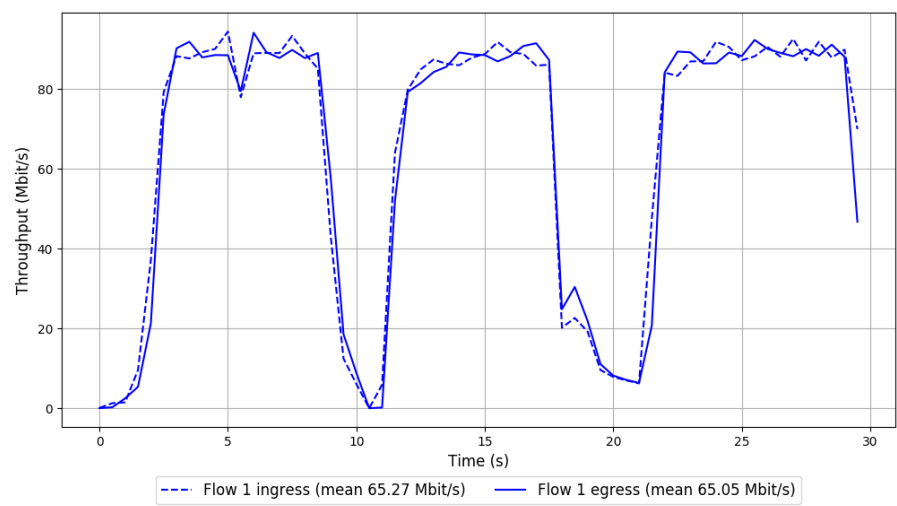
-- Flow 1:

Average throughput: 65.05 Mbit/s

95th percentile per-packet one-way delay: 136.281 ms

Loss rate: 1.25%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 19:17:30

End at: 2018-04-24 19:18:00

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.93 Mbit/s

95th percentile per-packet one-way delay: 136.110 ms

Loss rate: 1.28%

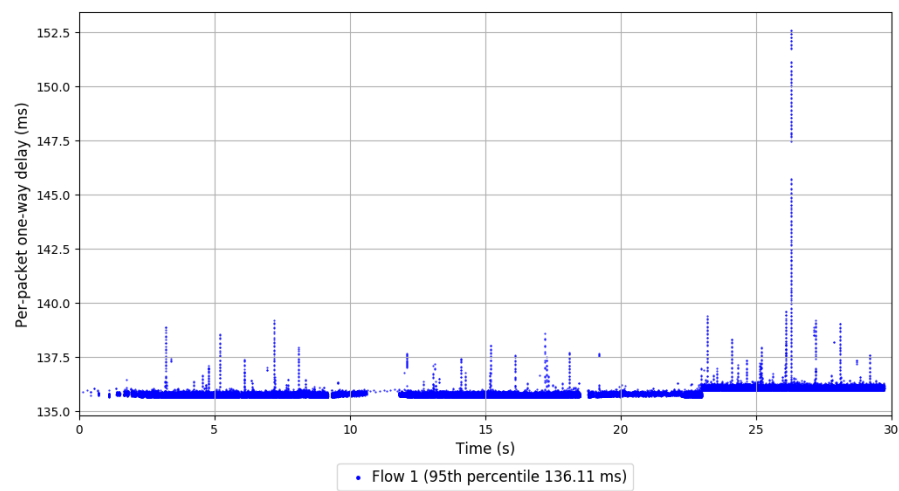
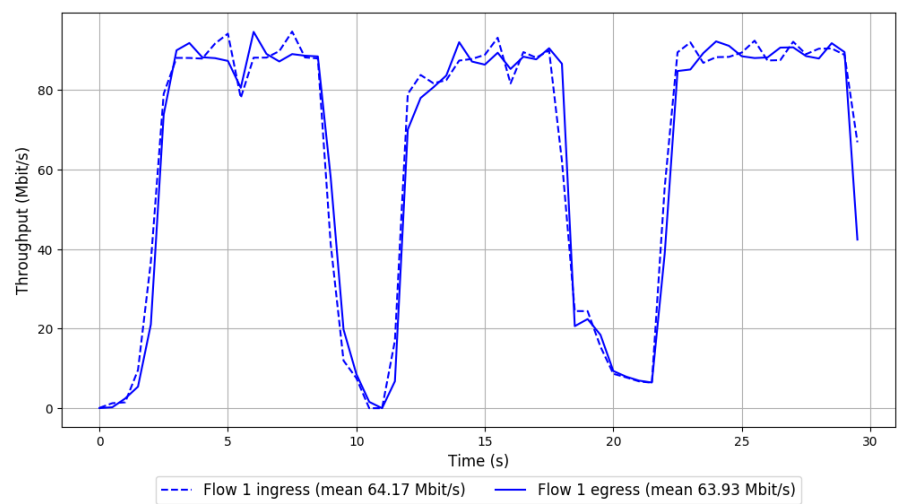
-- Flow 1:

Average throughput: 63.93 Mbit/s

95th percentile per-packet one-way delay: 136.110 ms

Loss rate: 1.28%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 19:31:56

End at: 2018-04-24 19:32:26

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.89 Mbit/s

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

Loss rate: 1.26%

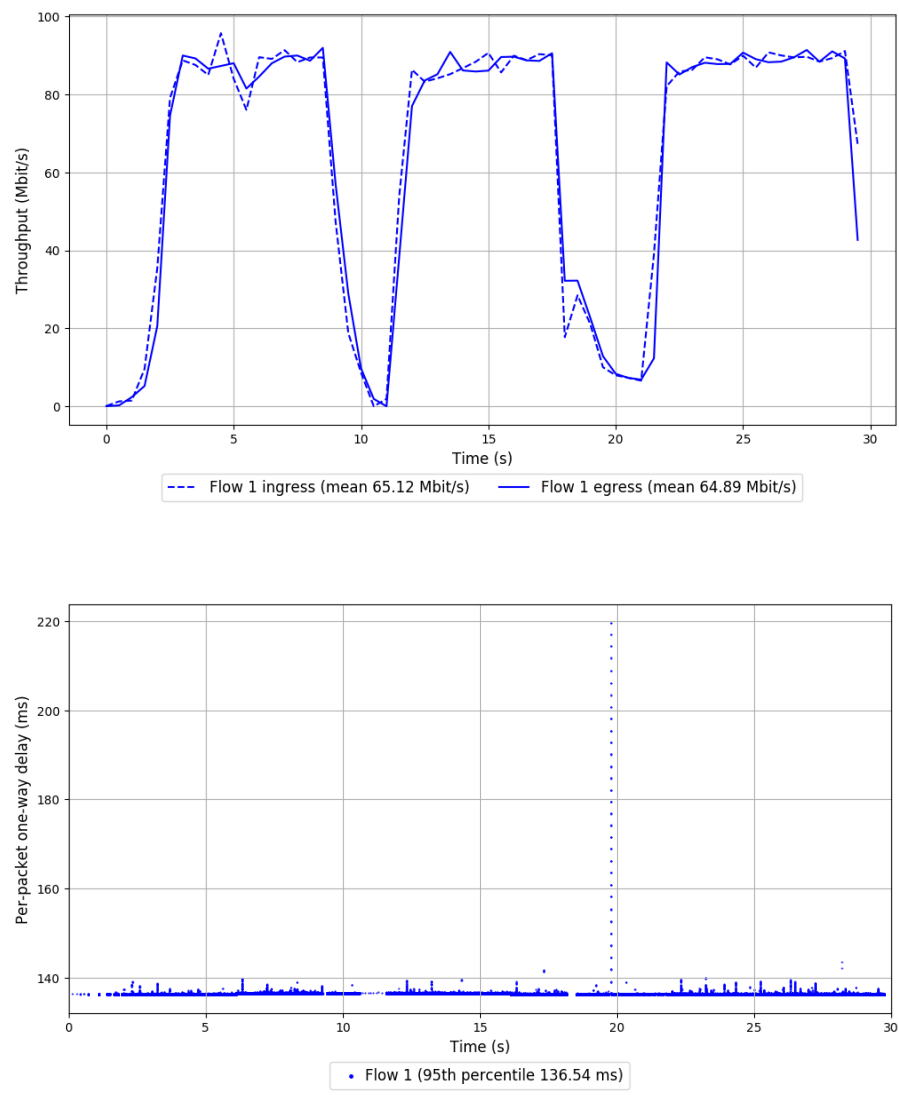
-- Flow 1:

Average throughput: 64.89 Mbit/s

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

Loss rate: 1.26%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 19:46:16

End at: 2018-04-24 19:46:46

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.49 Mbit/s

95th percentile per-packet one-way delay: 135.900 ms

Loss rate: 1.16%

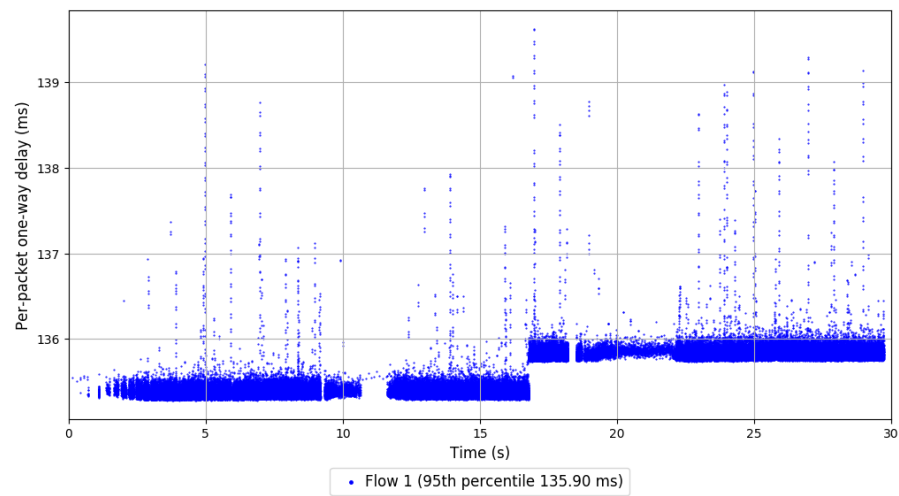
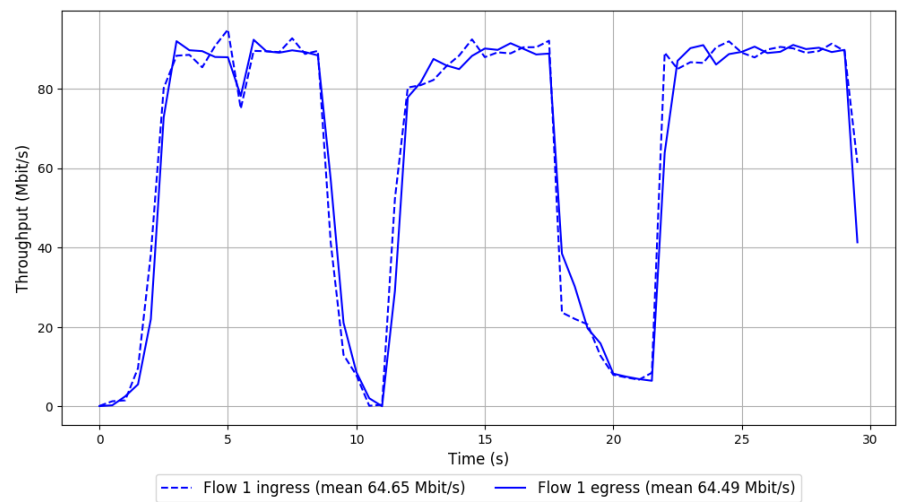
-- Flow 1:

Average throughput: 64.49 Mbit/s

95th percentile per-packet one-way delay: 135.900 ms

Loss rate: 1.16%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 20:00:59

End at: 2018-04-24 20:01:29

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.34 Mbit/s

95th percentile per-packet one-way delay: 136.210 ms

Loss rate: 1.25%

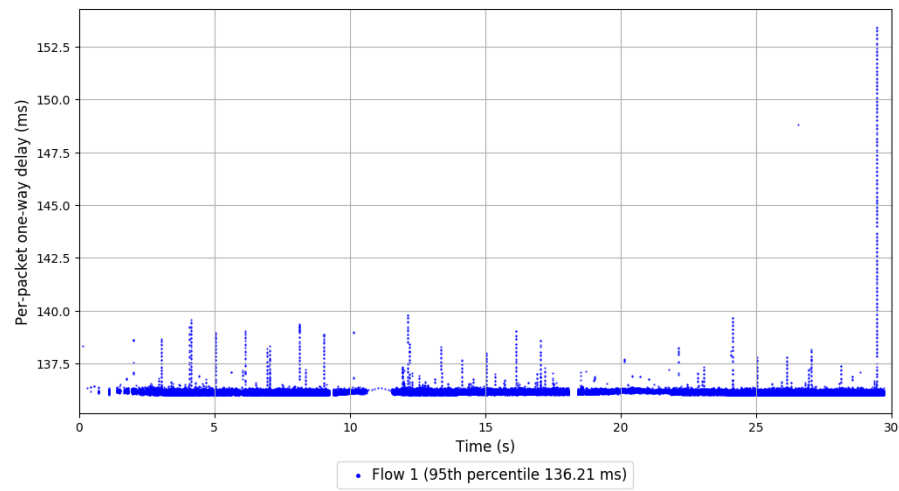
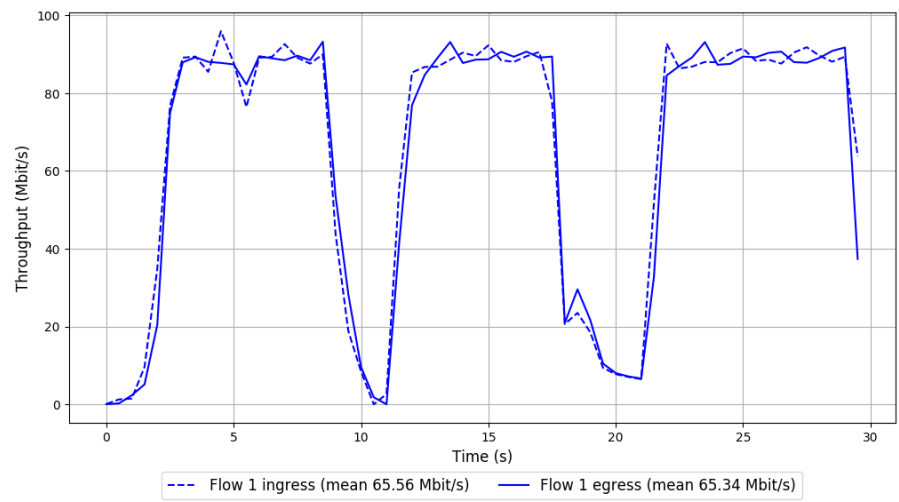
-- Flow 1:

Average throughput: 65.34 Mbit/s

95th percentile per-packet one-way delay: 136.210 ms

Loss rate: 1.25%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 20:15:11

End at: 2018-04-24 20:15:41

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.73 Mbit/s

95th percentile per-packet one-way delay: 135.808 ms

Loss rate: 1.26%

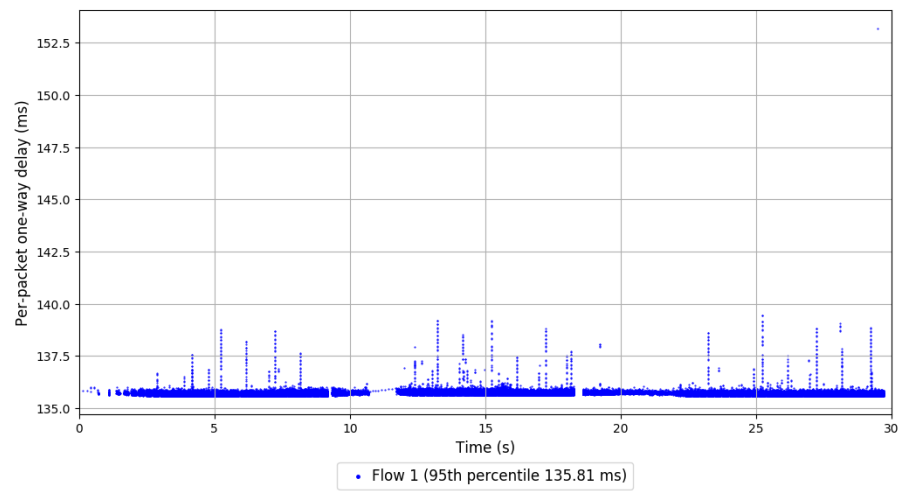
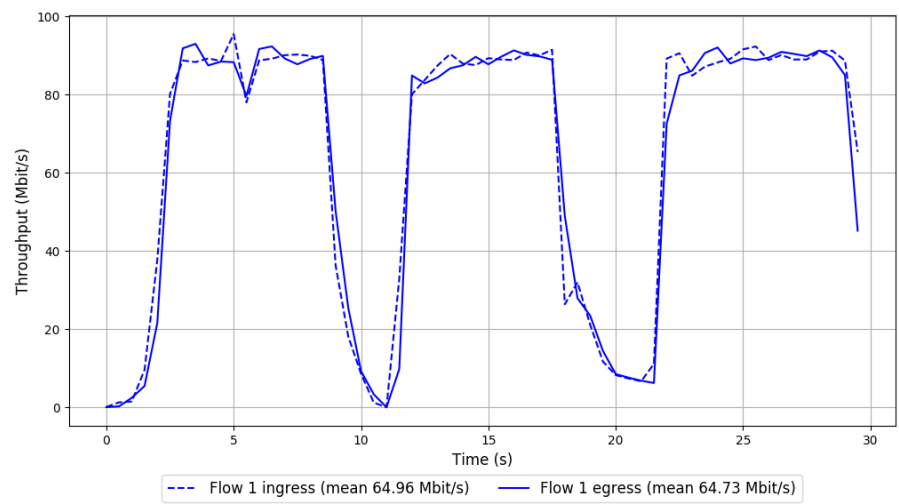
-- Flow 1:

Average throughput: 64.73 Mbit/s

95th percentile per-packet one-way delay: 135.808 ms

Loss rate: 1.26%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 20:28:56

End at: 2018-04-24 20:29:26

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.89 Mbit/s

95th percentile per-packet one-way delay: 135.927 ms

Loss rate: 1.27%

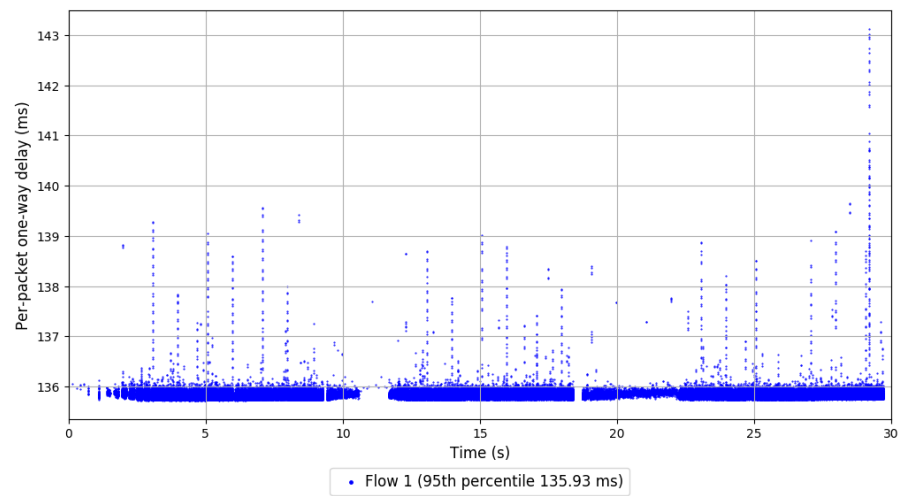
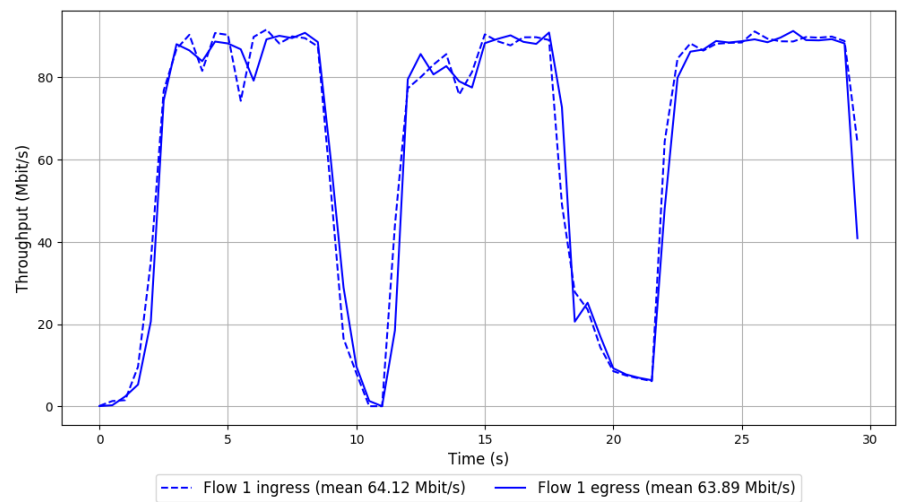
-- Flow 1:

Average throughput: 63.89 Mbit/s

95th percentile per-packet one-way delay: 135.927 ms

Loss rate: 1.27%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 20:43:33

End at: 2018-04-24 20:44:03

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.63 Mbit/s

95th percentile per-packet one-way delay: 136.011 ms

Loss rate: 1.24%

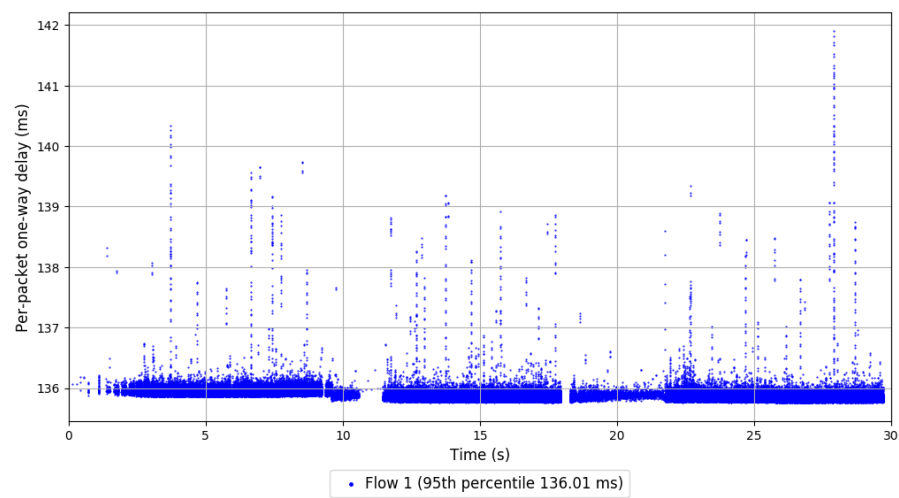
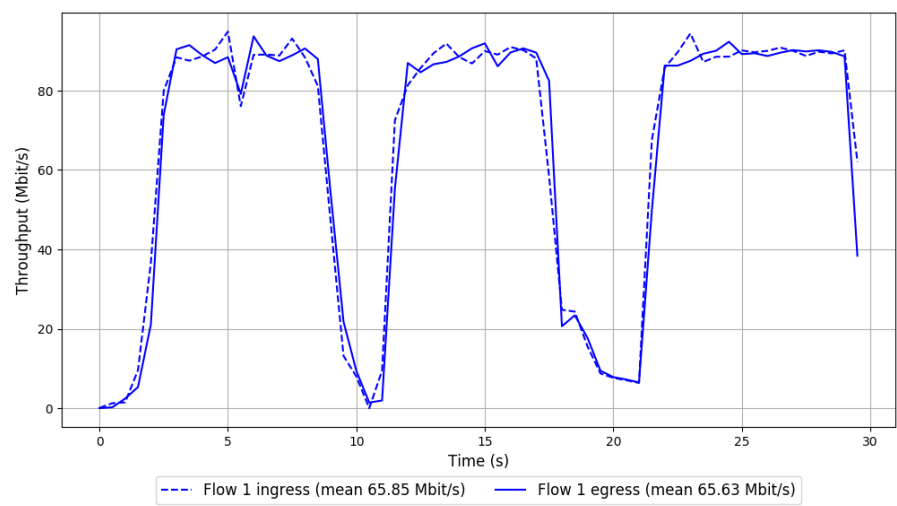
-- Flow 1:

Average throughput: 65.63 Mbit/s

95th percentile per-packet one-way delay: 136.011 ms

Loss rate: 1.24%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 20:57:56

End at: 2018-04-24 20:58:26

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.12 Mbit/s

95th percentile per-packet one-way delay: 134.841 ms

Loss rate: 1.25%

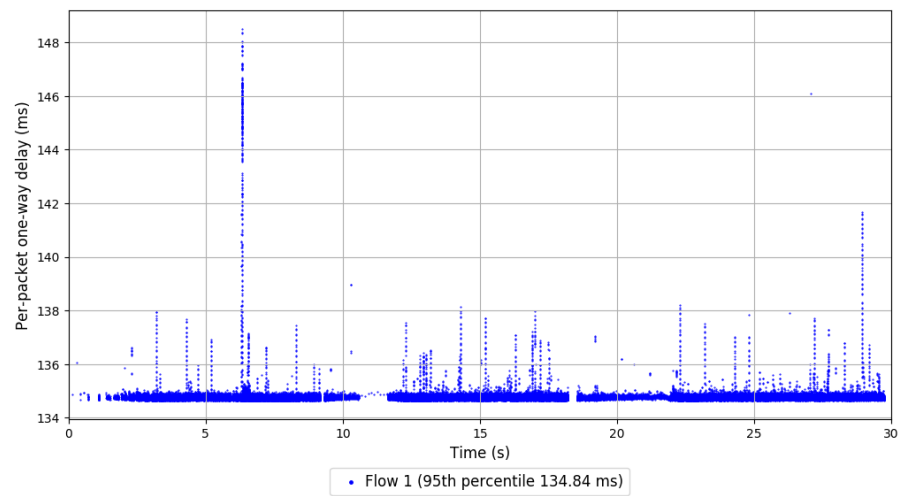
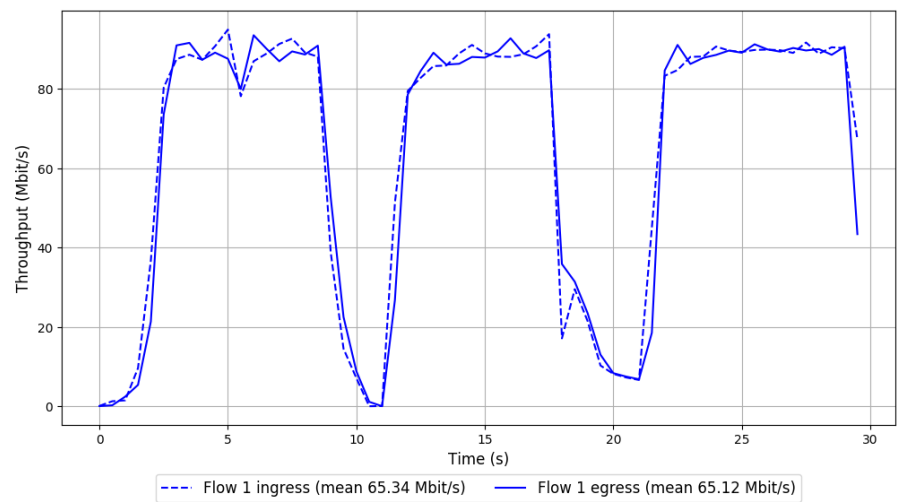
-- Flow 1:

Average throughput: 65.12 Mbit/s

95th percentile per-packet one-way delay: 134.841 ms

Loss rate: 1.25%

Run 10: Report of QUIC Cubic — Data Link

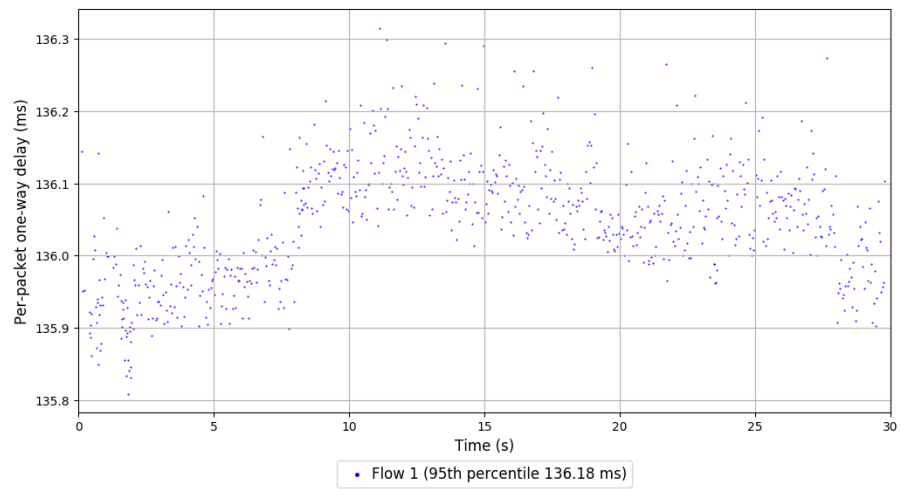
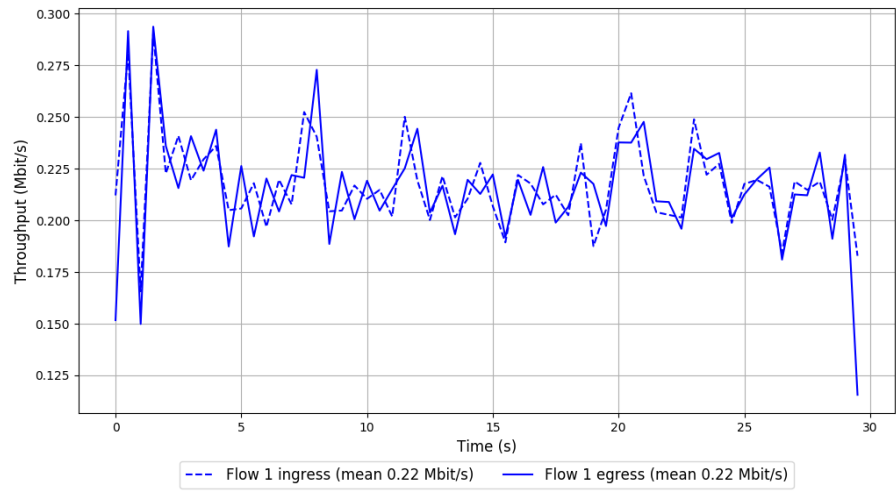


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 18:49:25
End at: 2018-04-24 18:49:55

# Below is generated by plot.py at 2018-04-24 23:55:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.178 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.178 ms
Loss rate: 0.89%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-24 19:03:38

End at: 2018-04-24 19:04:08

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.067 ms

Loss rate: 0.89%

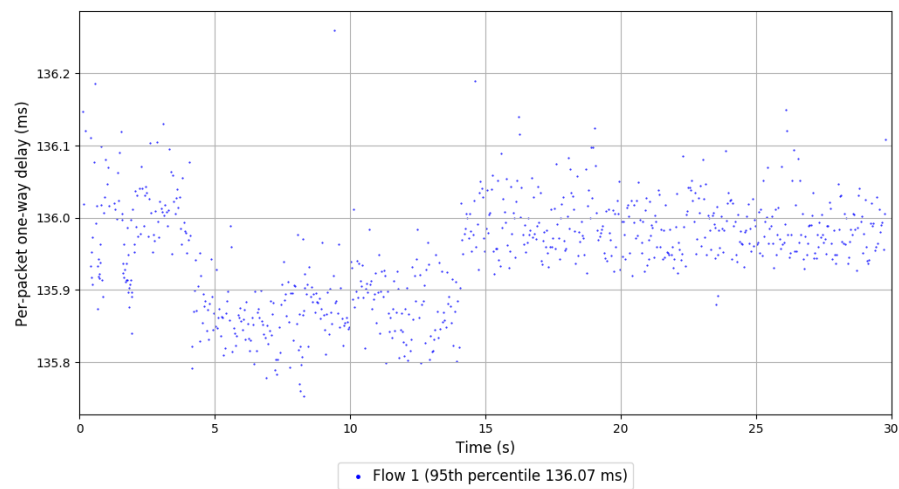
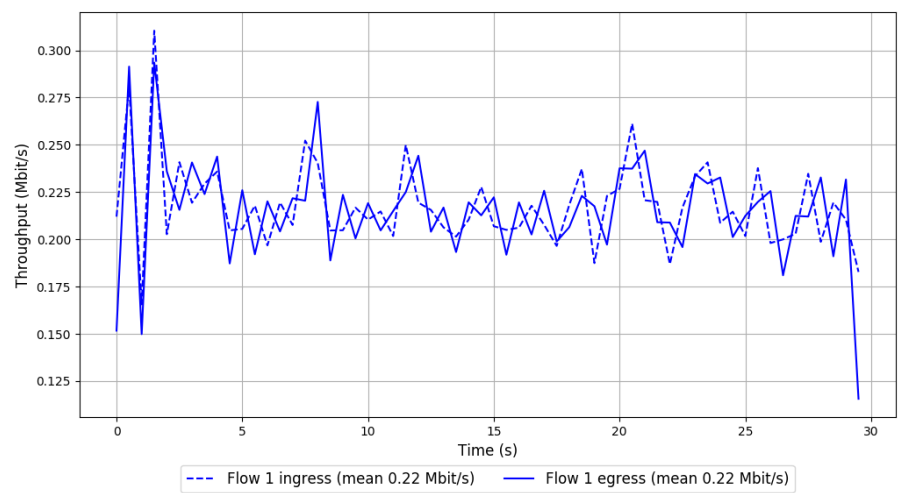
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.067 ms

Loss rate: 0.89%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-24 19:18:16

End at: 2018-04-24 19:18:46

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.795 ms

Loss rate: 0.89%

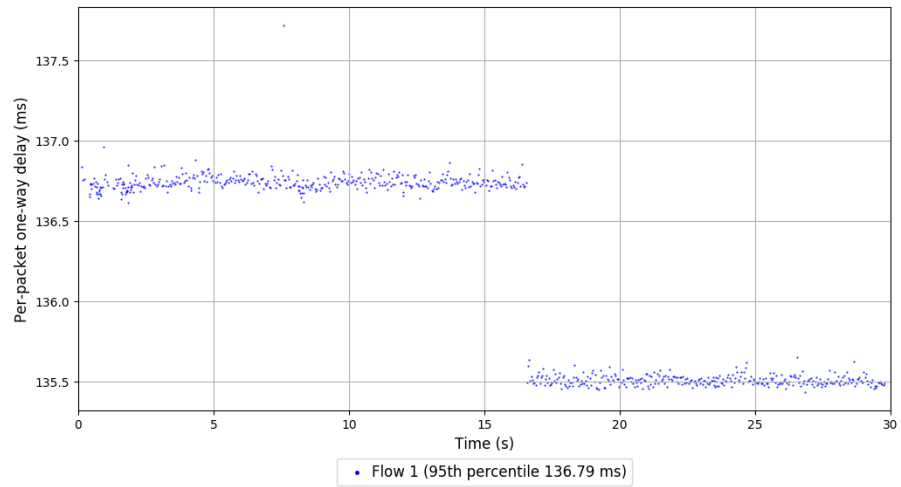
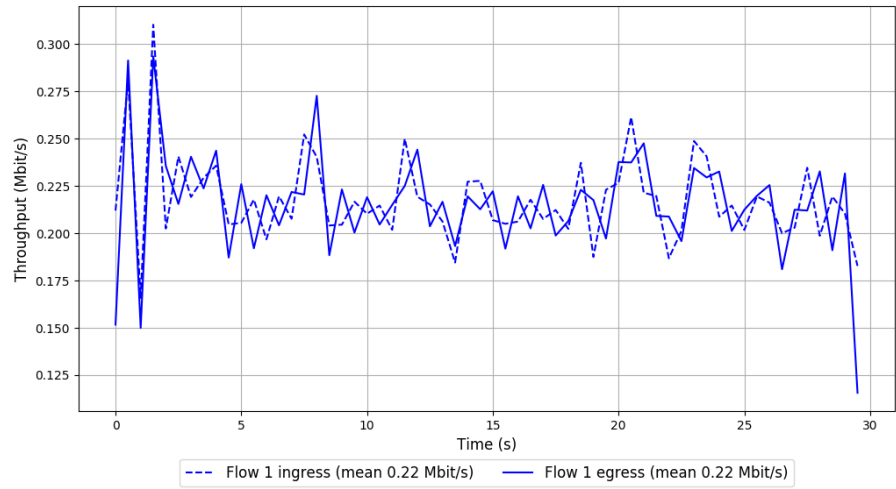
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.795 ms

Loss rate: 0.89%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-24 19:32:43

End at: 2018-04-24 19:33:13

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.169 ms

Loss rate: 0.89%

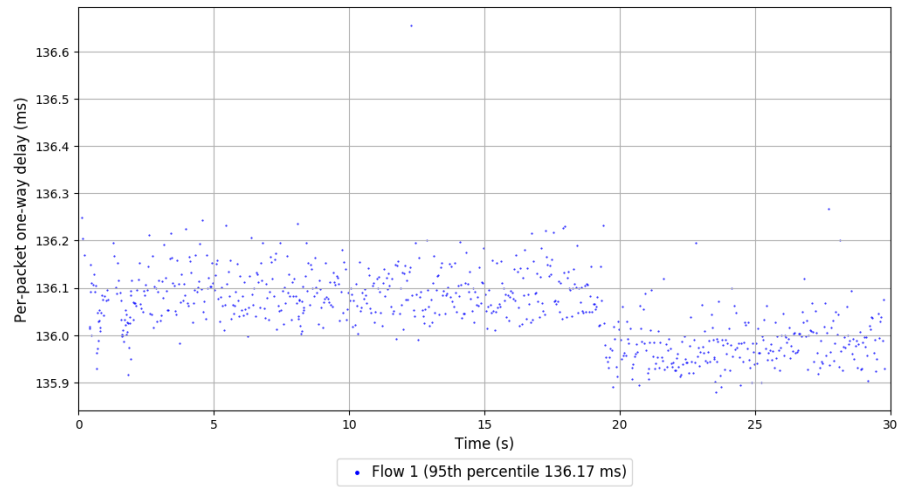
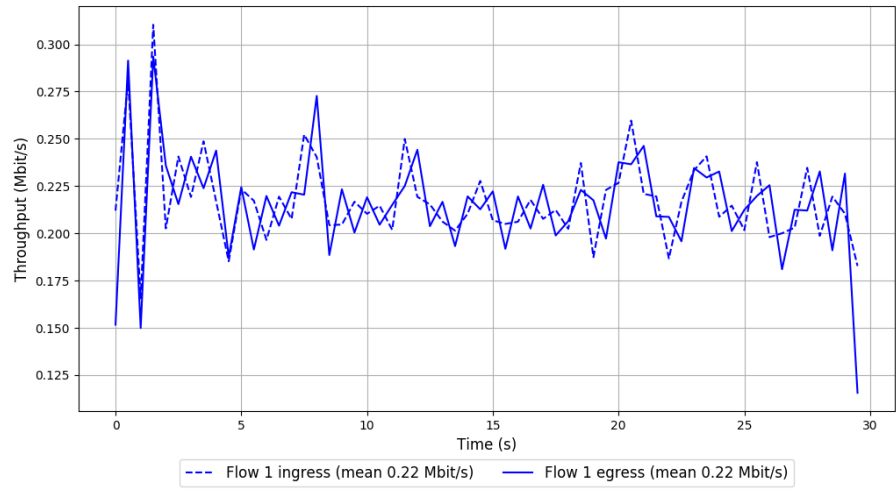
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.169 ms

Loss rate: 0.89%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-24 19:47:02

End at: 2018-04-24 19:47:32

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.385 ms

Loss rate: 0.89%

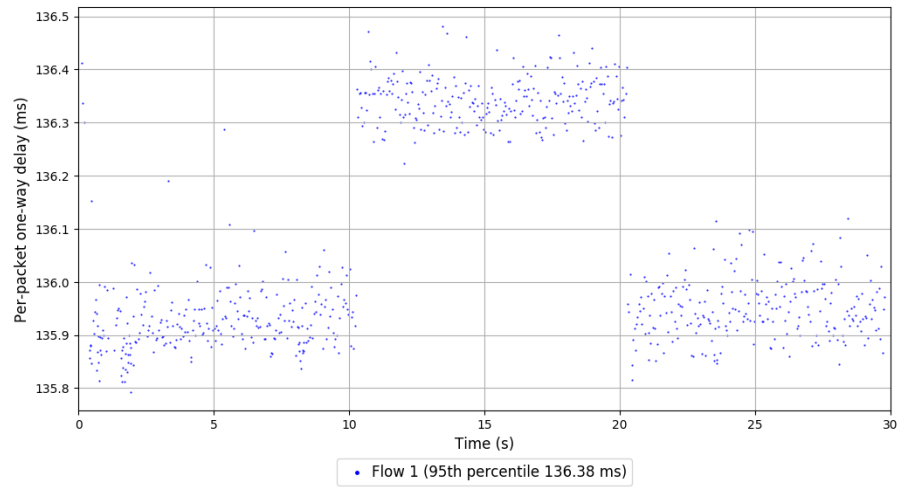
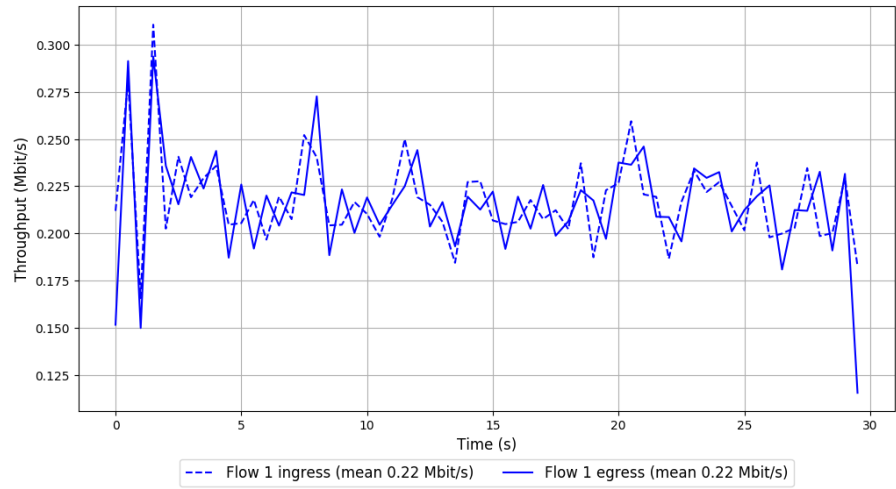
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.385 ms

Loss rate: 0.89%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-24 20:01:45

End at: 2018-04-24 20:02:15

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.257 ms

Loss rate: 0.89%

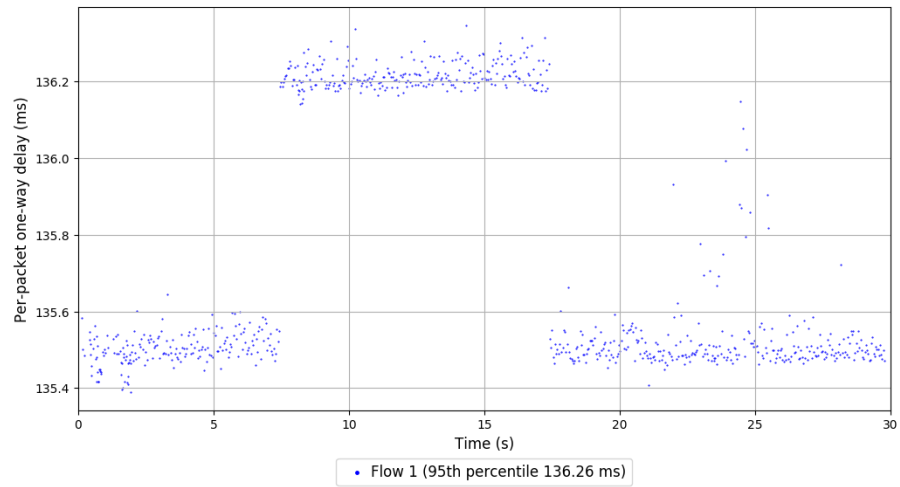
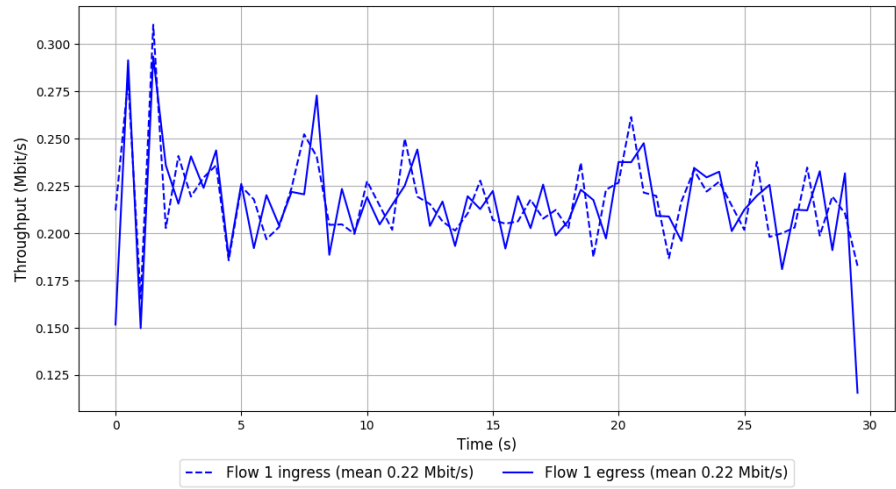
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.257 ms

Loss rate: 0.89%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-24 20:15:58

End at: 2018-04-24 20:16:28

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.337 ms

Loss rate: 0.89%

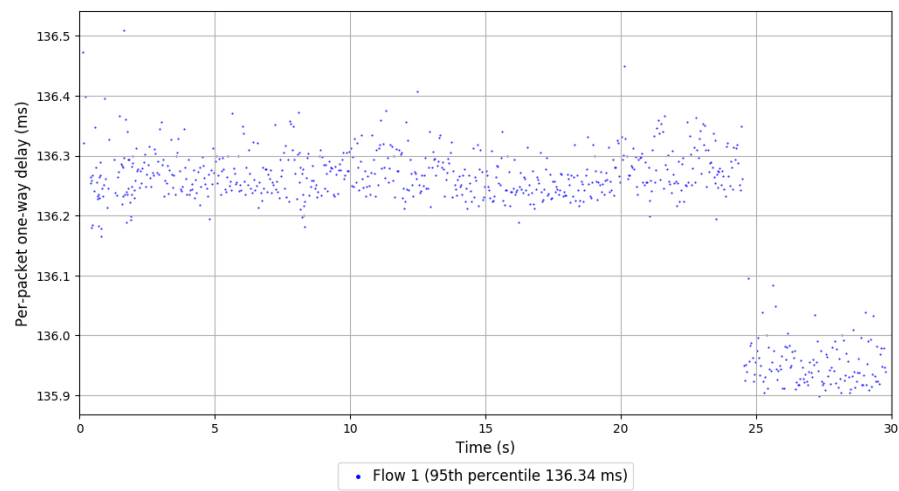
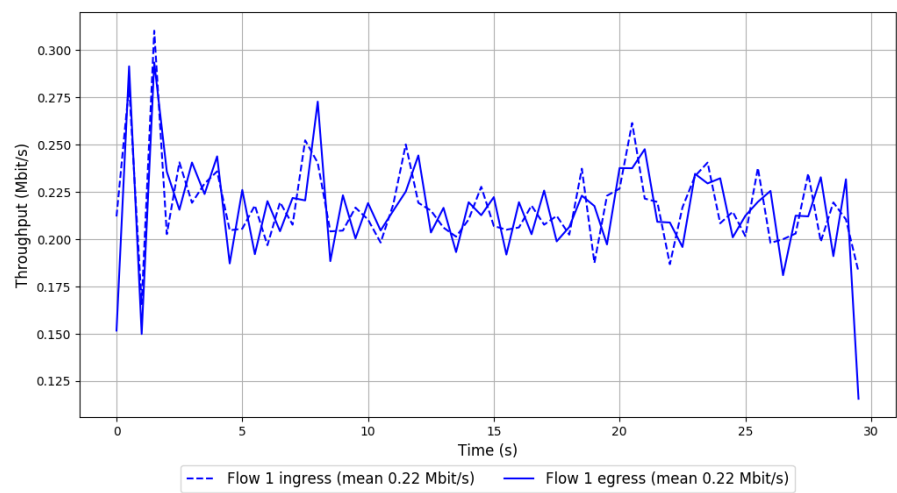
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.337 ms

Loss rate: 0.89%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 20:29:42

End at: 2018-04-24 20:30:12

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.977 ms

Loss rate: 0.89%

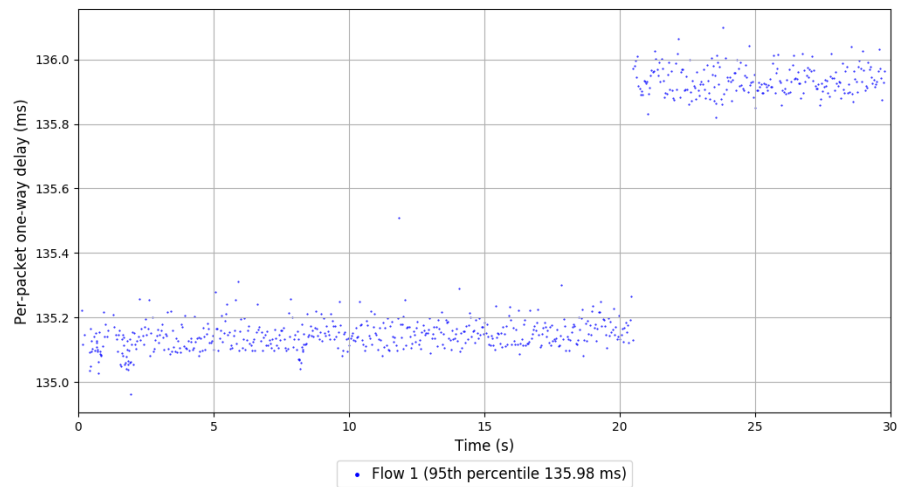
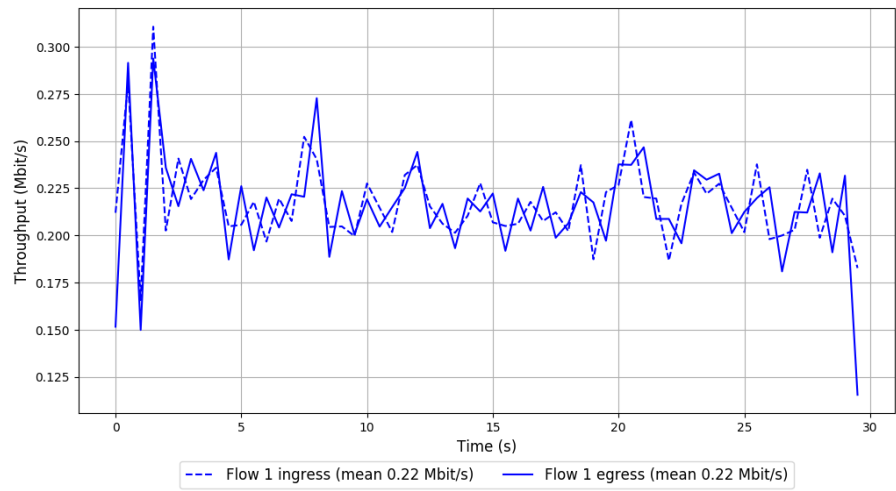
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.977 ms

Loss rate: 0.89%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-24 20:44:20

End at: 2018-04-24 20:44:50

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.094 ms

Loss rate: 0.89%

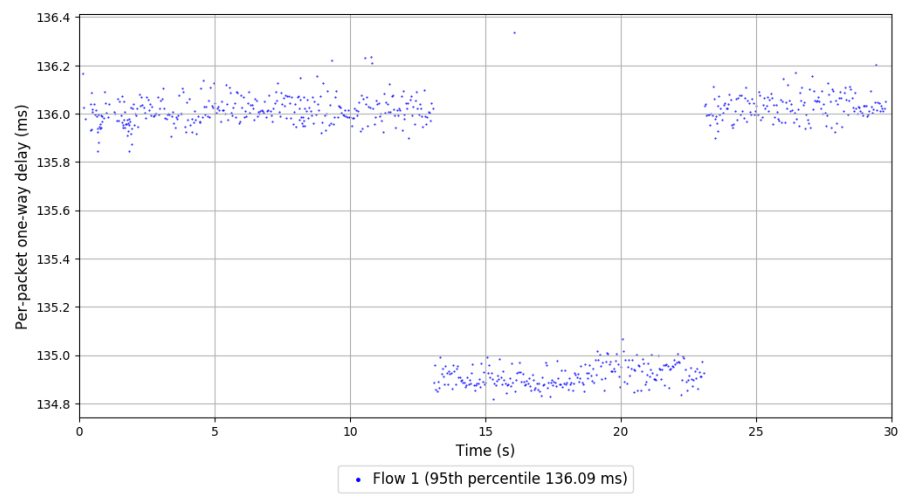
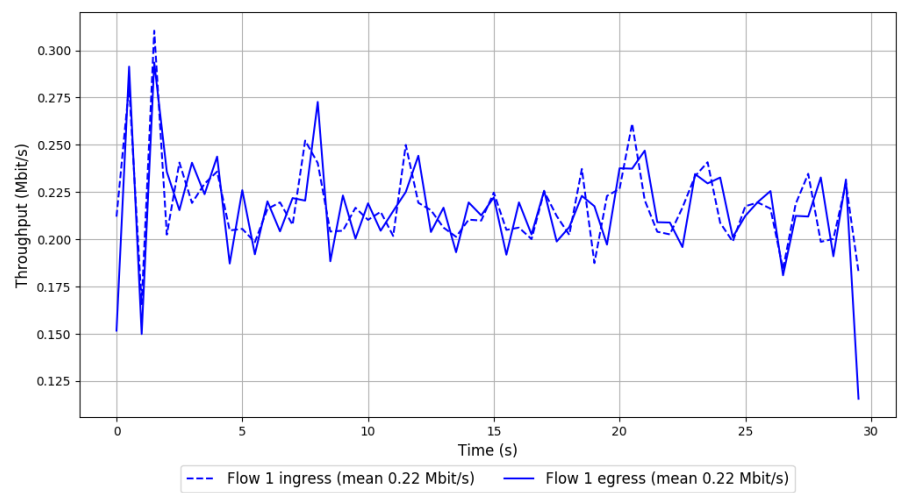
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.094 ms

Loss rate: 0.89%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-24 20:58:43

End at: 2018-04-24 20:59:13

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.89%

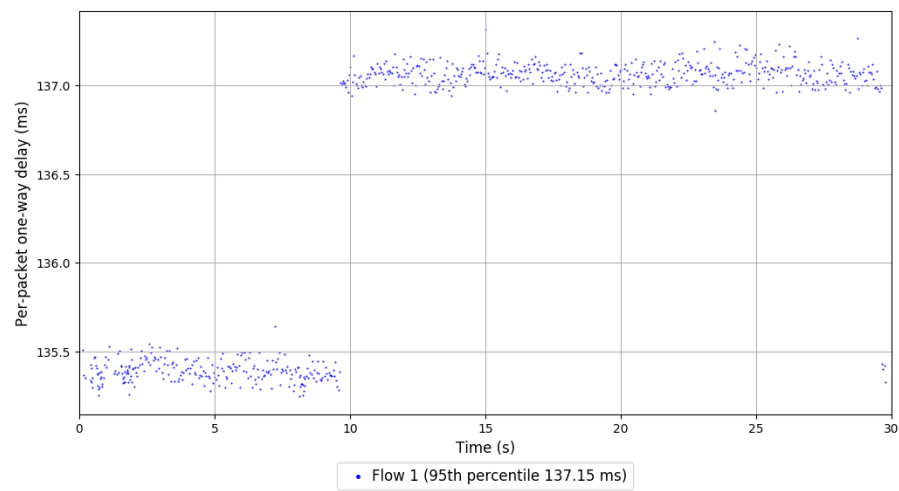
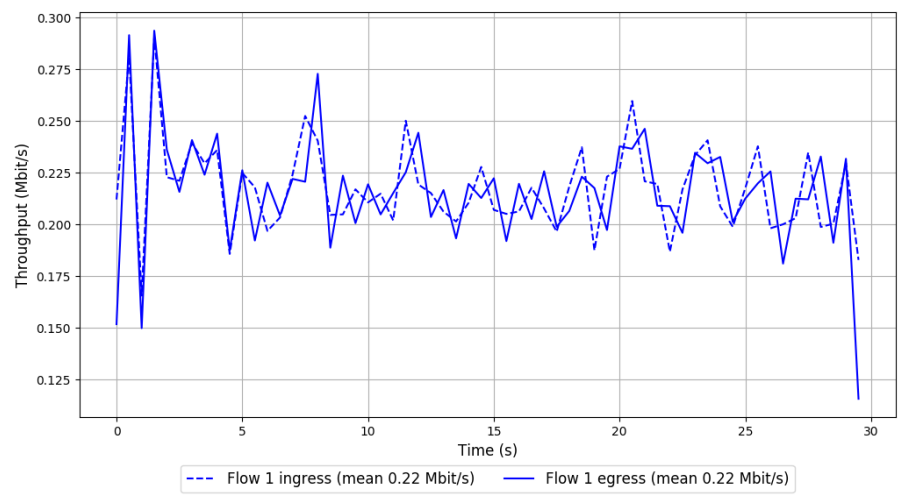
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.89%

Run 10: Report of SReAM — Data Link

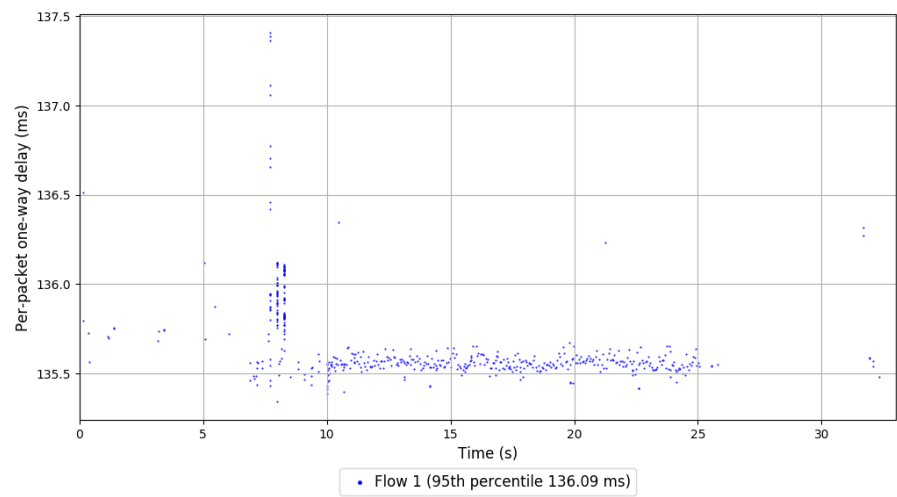
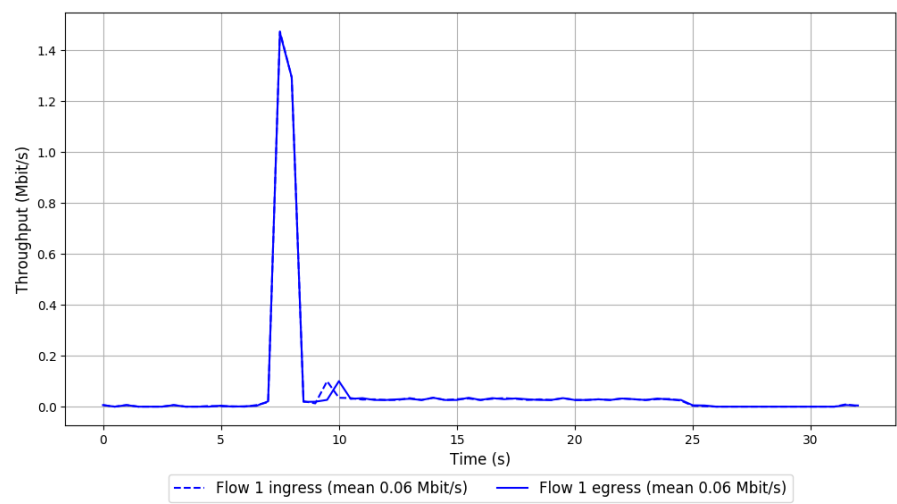


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 18:46:19
End at: 2018-04-24 18:46:49

# Below is generated by plot.py at 2018-04-24 23:55:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 136.094 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-24 19:00:24

End at: 2018-04-24 19:00:54

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.147 ms

Loss rate: 0.00%

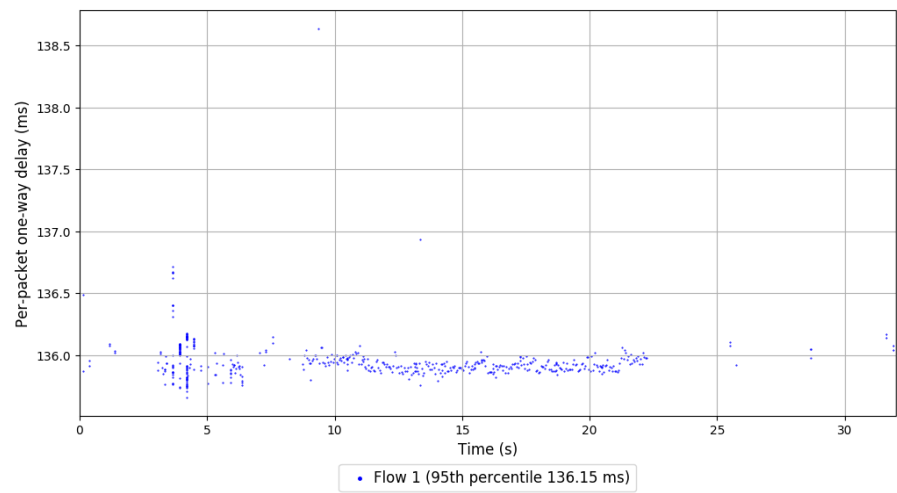
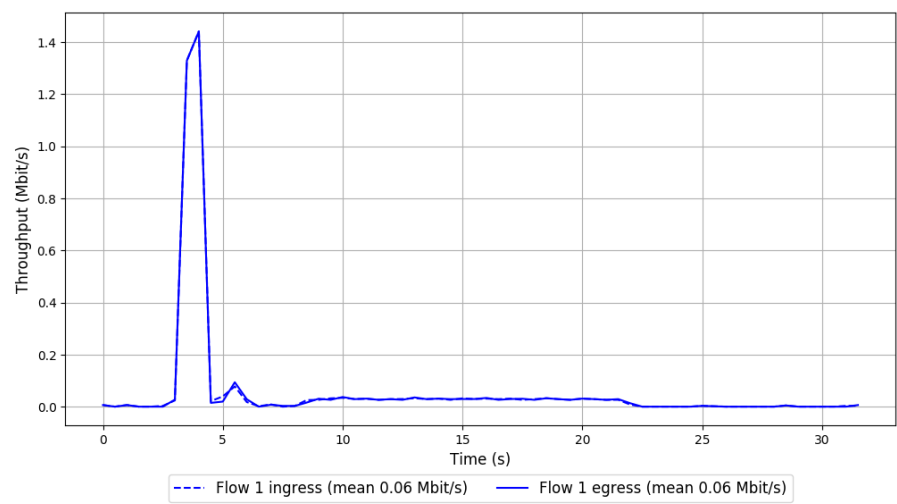
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.147 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-24 19:15:04

End at: 2018-04-24 19:15:34

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.718 ms

Loss rate: 0.00%

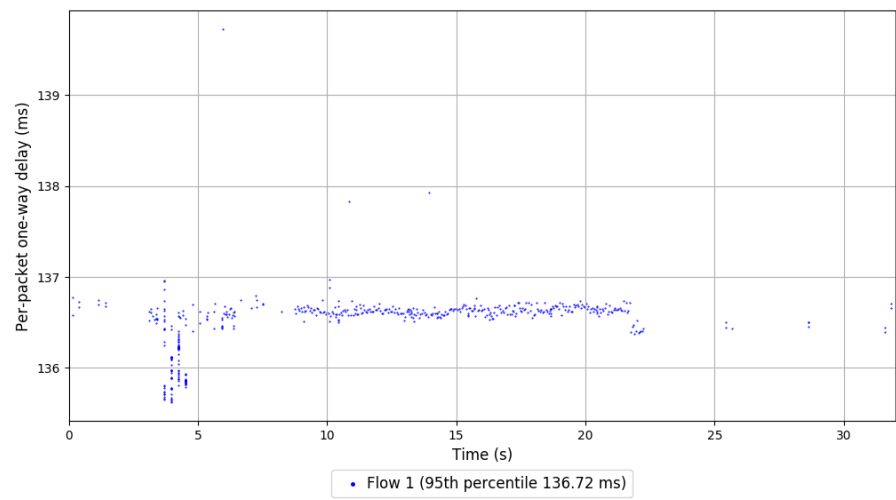
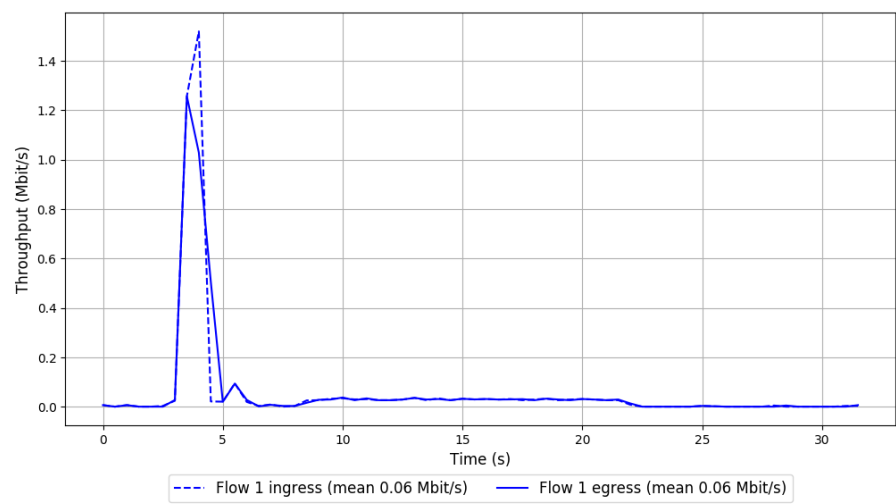
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.718 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-24 19:29:33

End at: 2018-04-24 19:30:03

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.267 ms

Loss rate: 0.00%

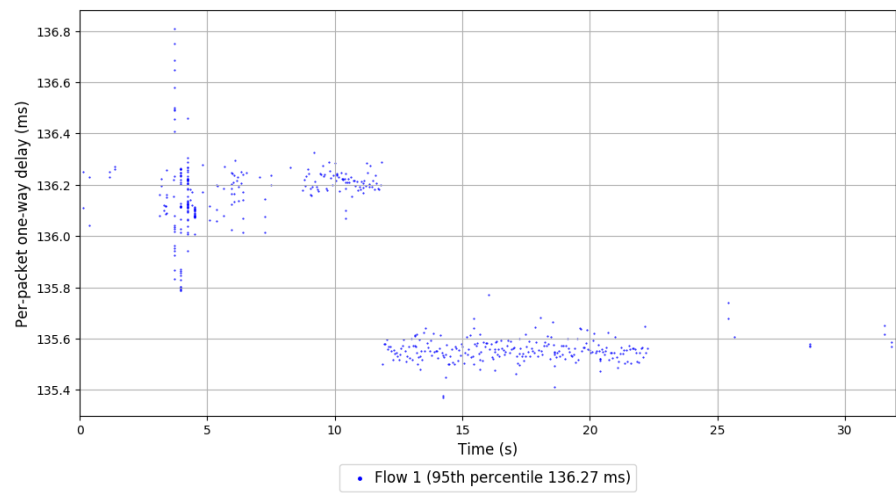
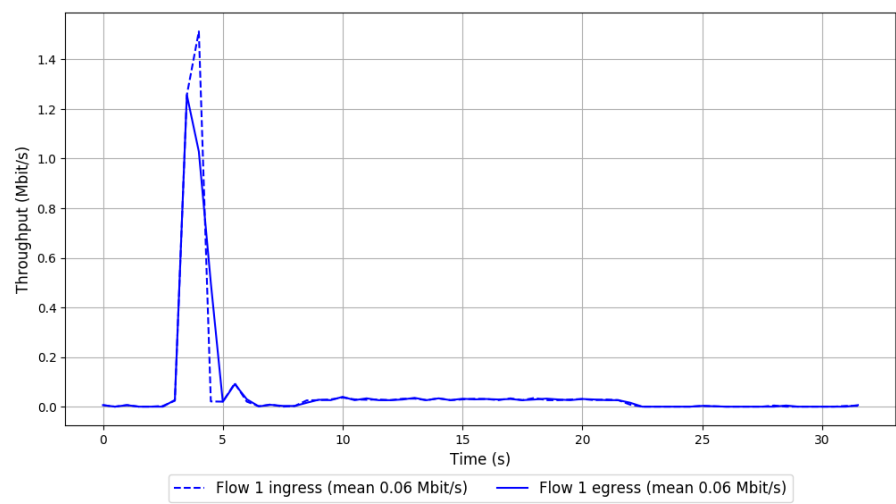
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.267 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-24 19:43:48

End at: 2018-04-24 19:44:18

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.378 ms

Loss rate: 0.00%

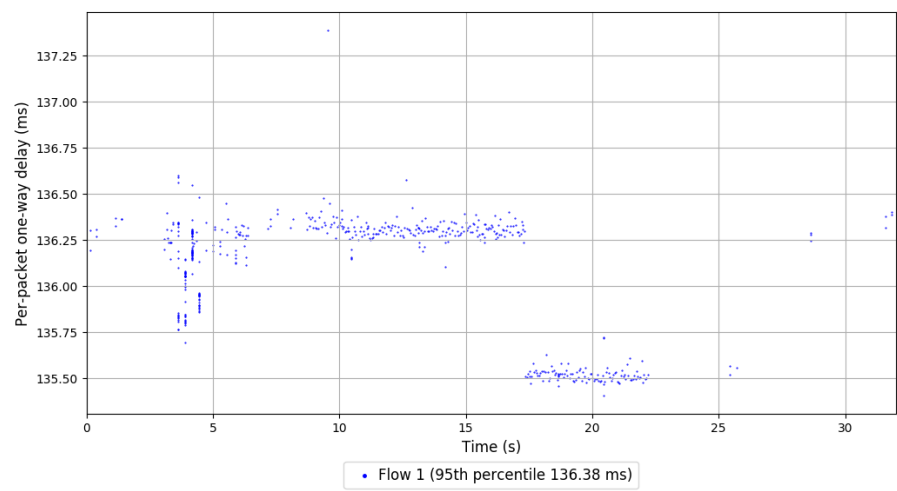
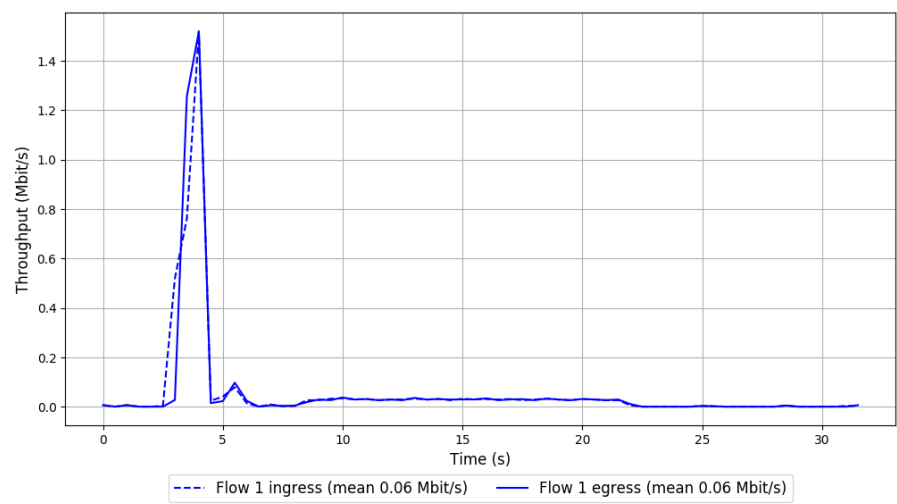
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.378 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-24 19:58:30

End at: 2018-04-24 19:59:00

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.761 ms

Loss rate: 0.00%

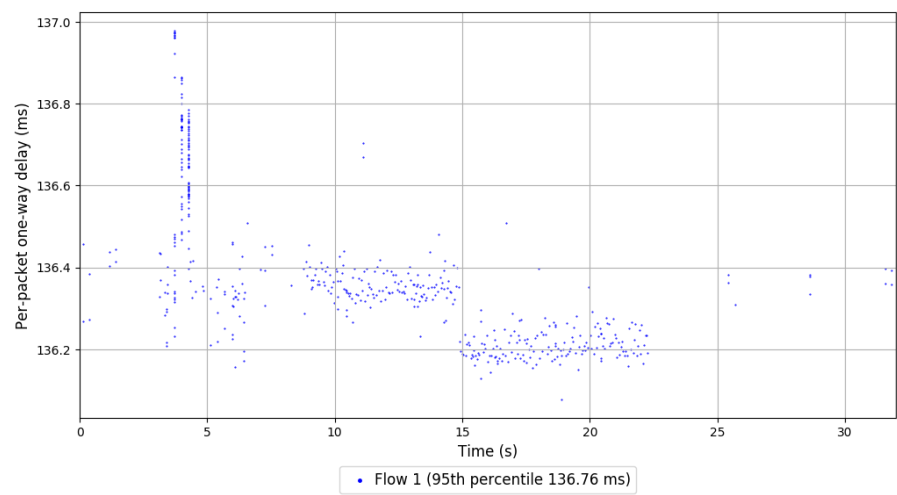
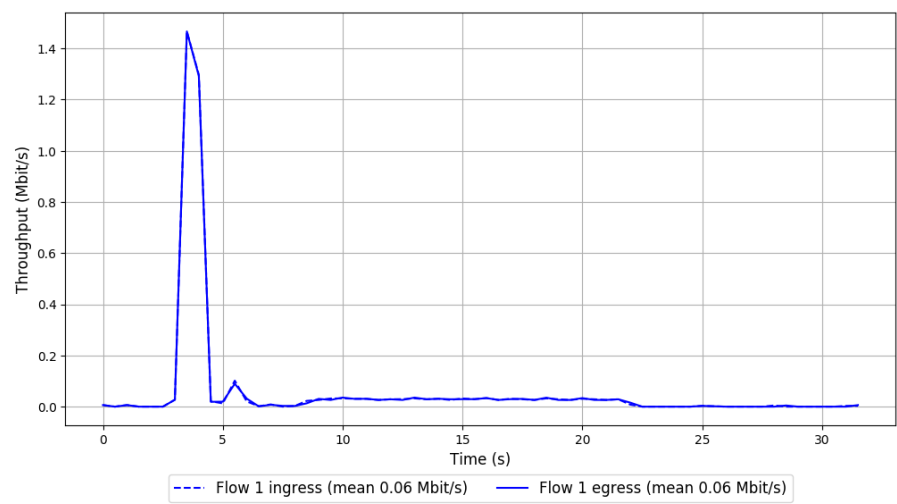
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.761 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-24 20:12:53

End at: 2018-04-24 20:13:23

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.019 ms

Loss rate: 0.00%

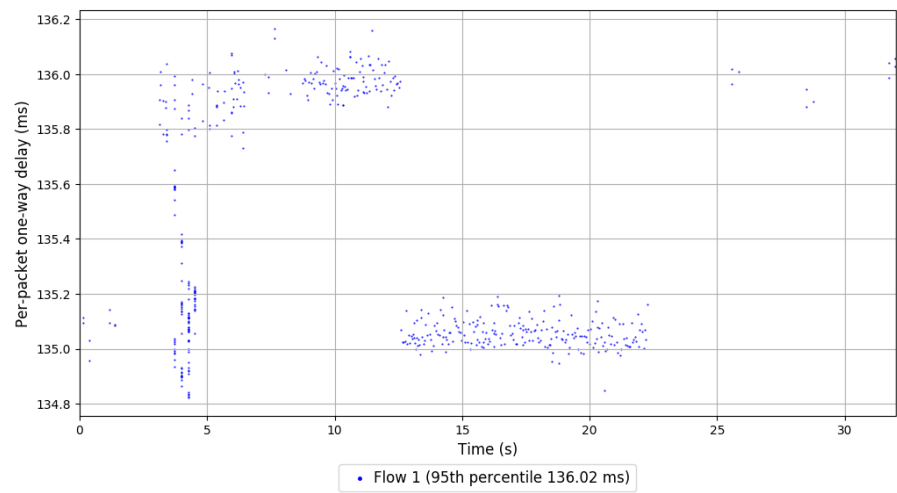
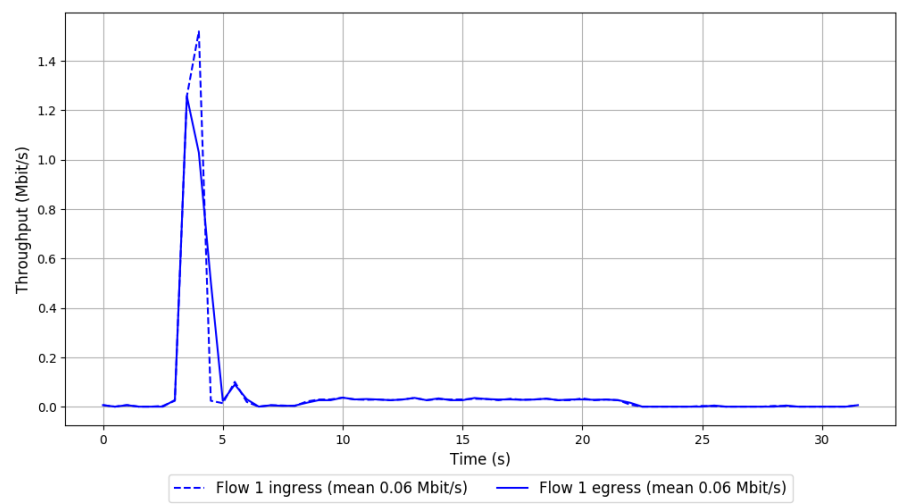
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.019 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-24 20:26:38

End at: 2018-04-24 20:27:08

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.047 ms

Loss rate: 0.00%

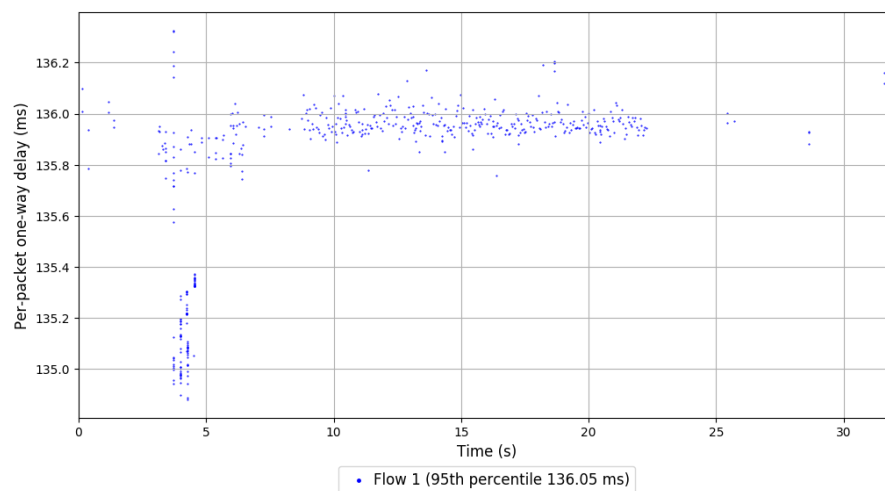
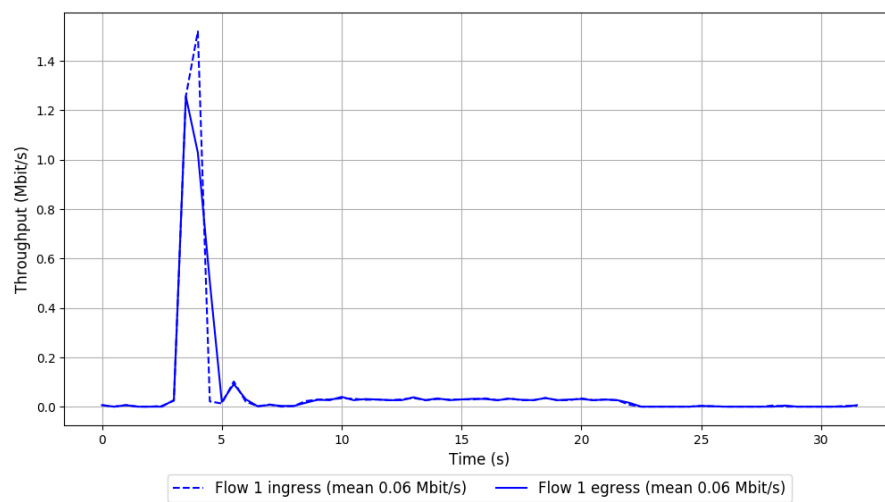
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.047 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-24 20:41:12

End at: 2018-04-24 20:41:42

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 135.449 ms

Loss rate: 0.00%

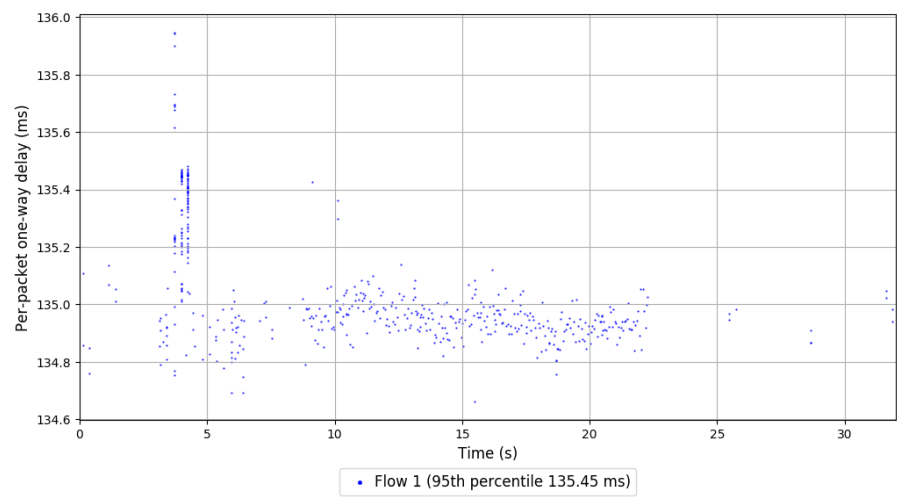
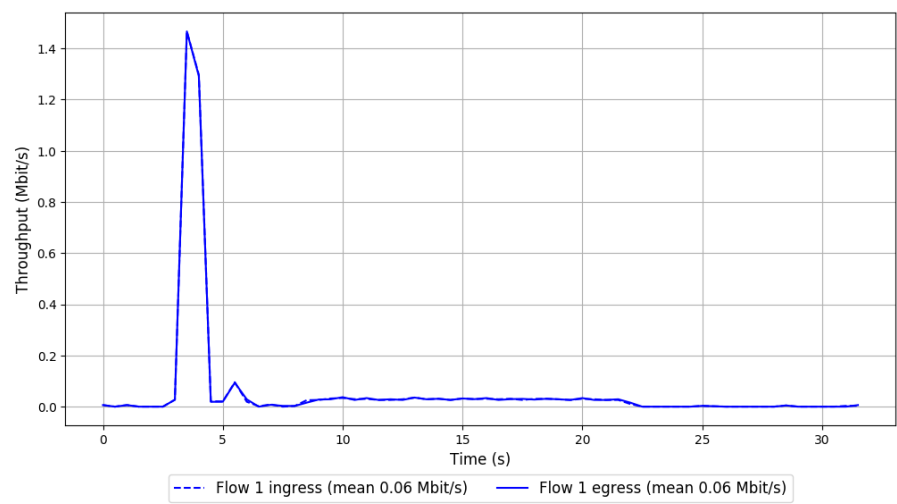
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 135.449 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-24 20:55:39

End at: 2018-04-24 20:56:09

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.516 ms

Loss rate: 0.00%

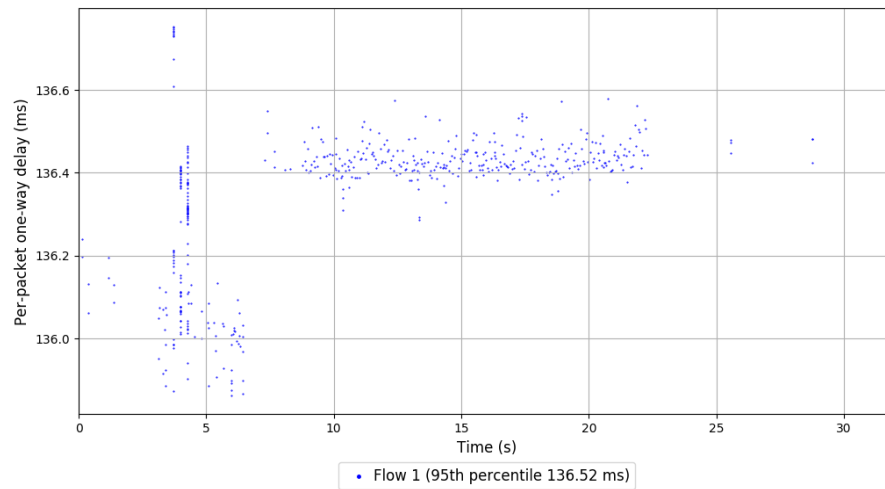
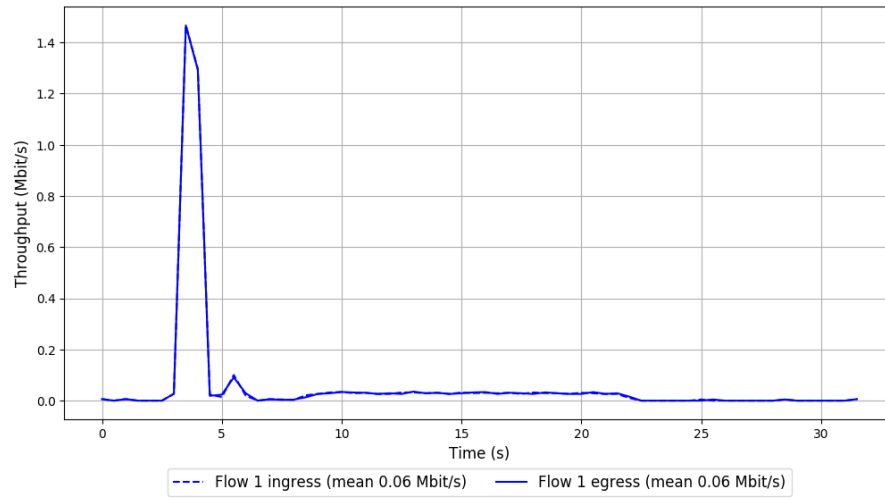
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 136.516 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-24 18:45:37

End at: 2018-04-24 18:46:07

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

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

Loss rate: 0.97%

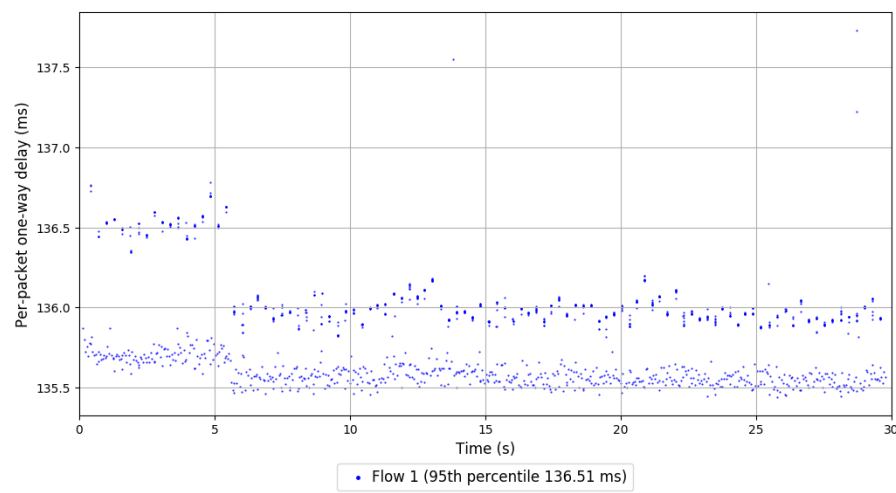
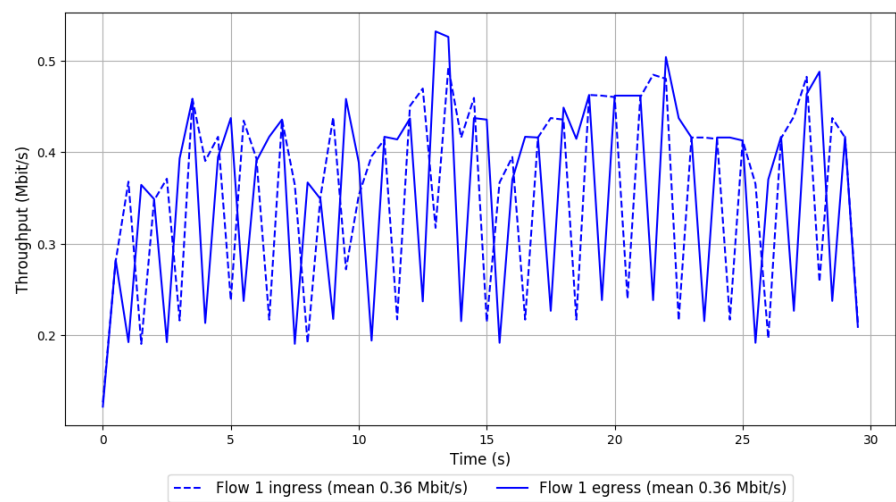
-- Flow 1:

Average throughput: 0.36 Mbit/s

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

Loss rate: 0.97%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-24 18:59:42

End at: 2018-04-24 19:00:12

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.465 ms

Loss rate: 0.97%

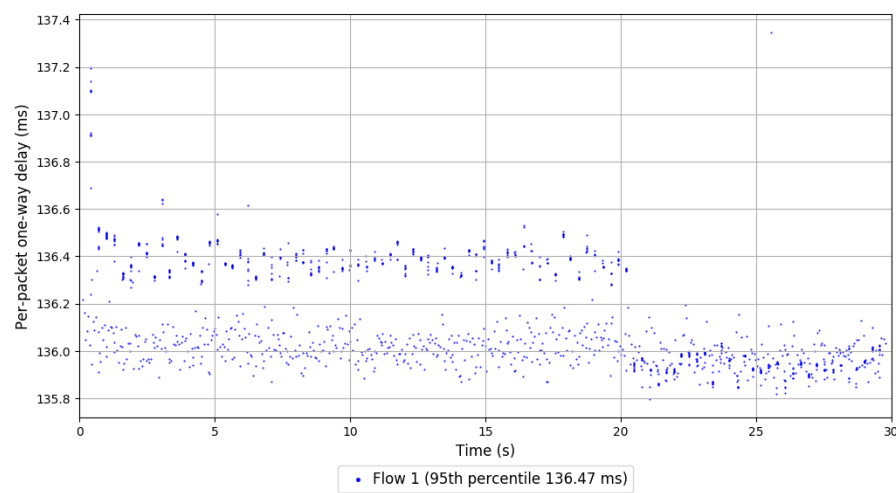
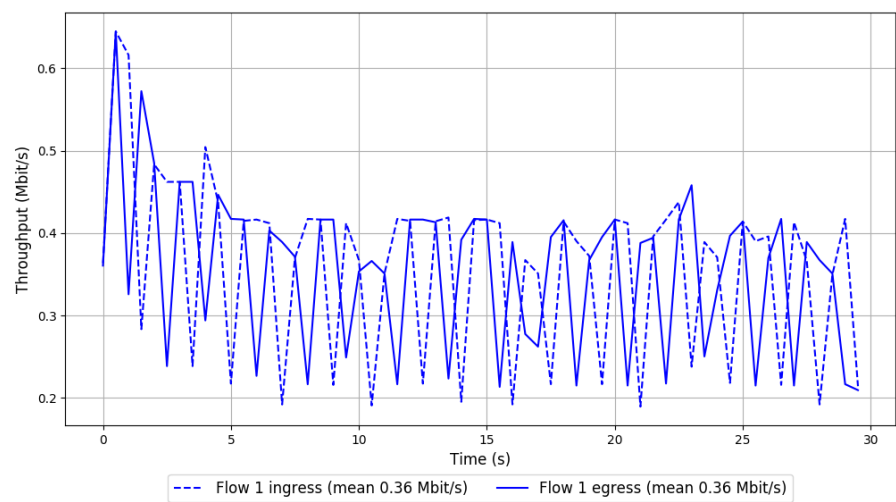
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.465 ms

Loss rate: 0.97%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-24 19:14:22

End at: 2018-04-24 19:14:52

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.258 ms

Loss rate: 0.86%

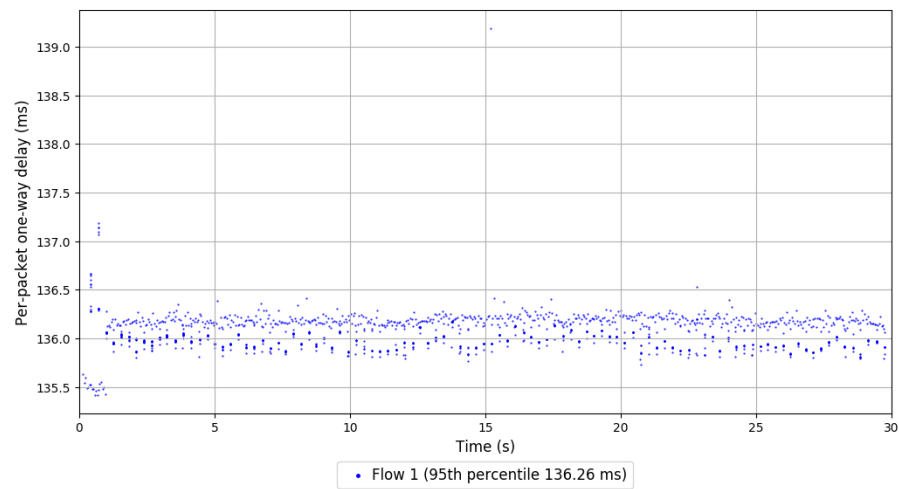
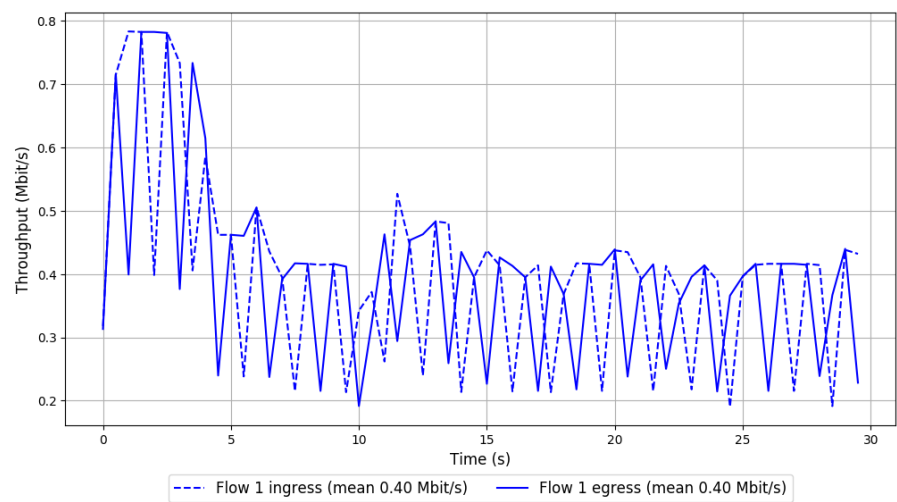
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 136.258 ms

Loss rate: 0.86%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-24 19:28:51

End at: 2018-04-24 19:29:21

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.155 ms

Loss rate: 0.94%

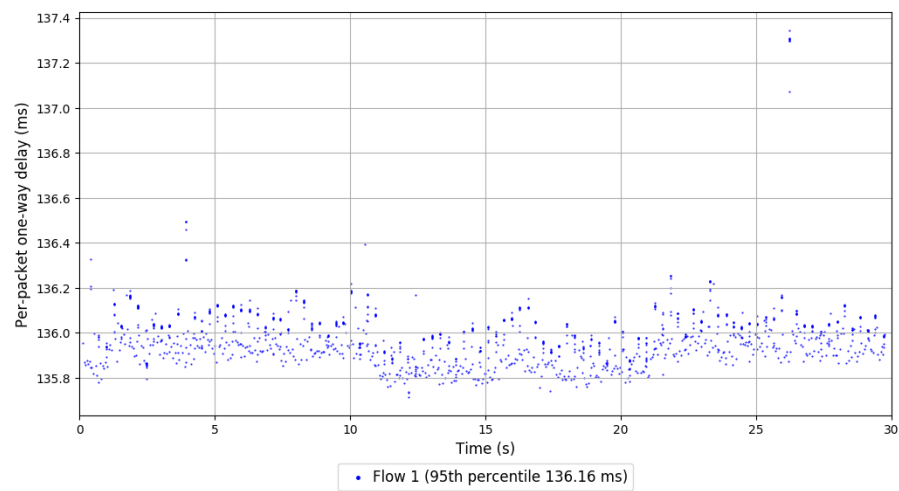
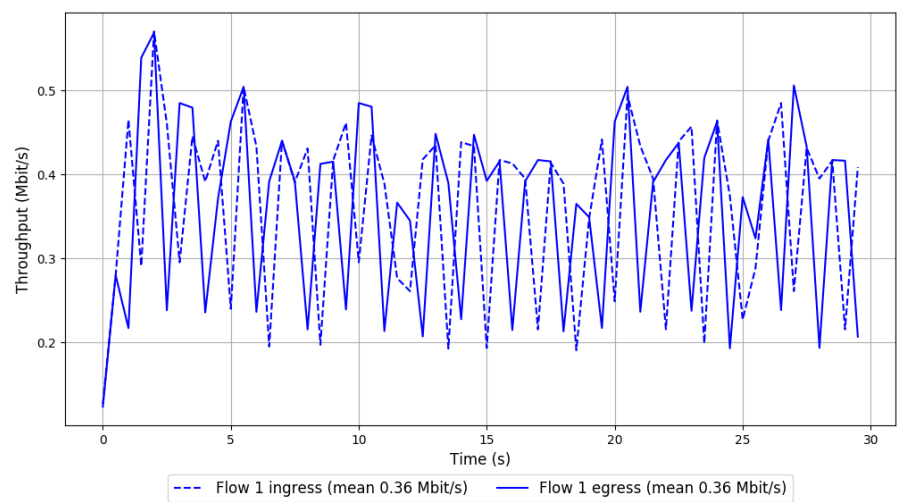
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.155 ms

Loss rate: 0.94%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-24 19:43:06

End at: 2018-04-24 19:43:36

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

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

Loss rate: 1.56%

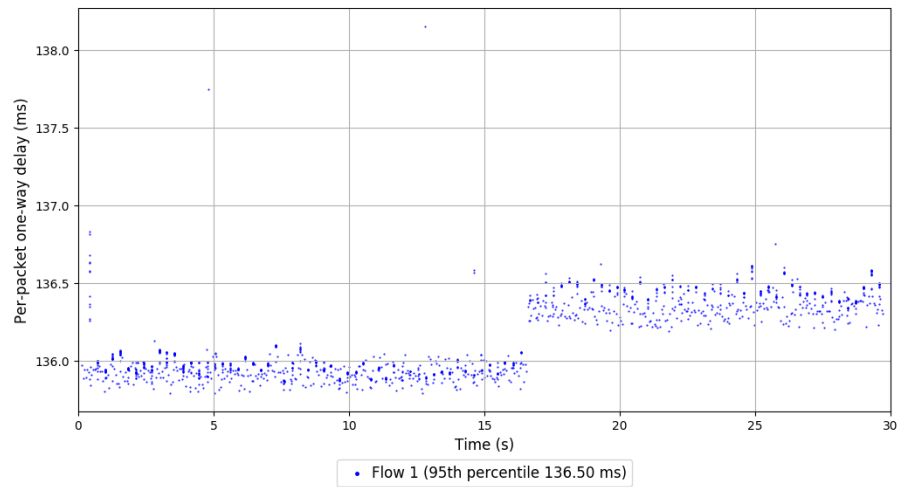
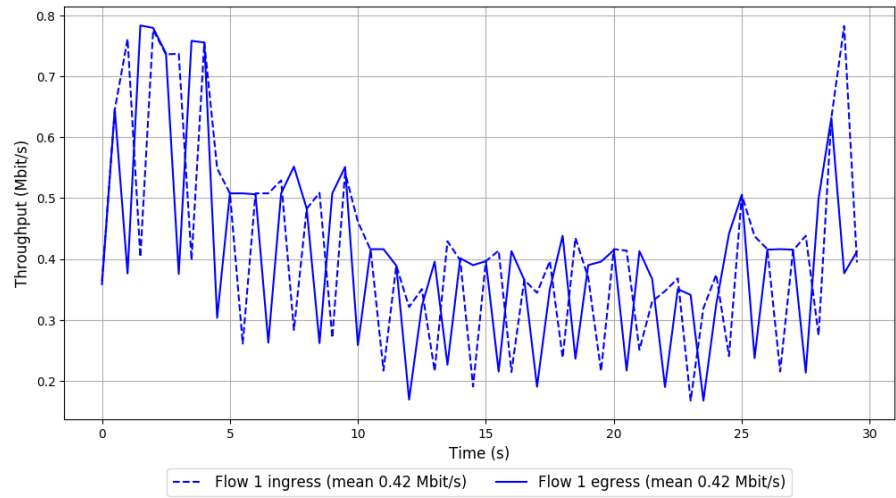
-- Flow 1:

Average throughput: 0.42 Mbit/s

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

Loss rate: 1.56%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-24 19:57:48

End at: 2018-04-24 19:58:18

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.411 ms

Loss rate: 0.86%

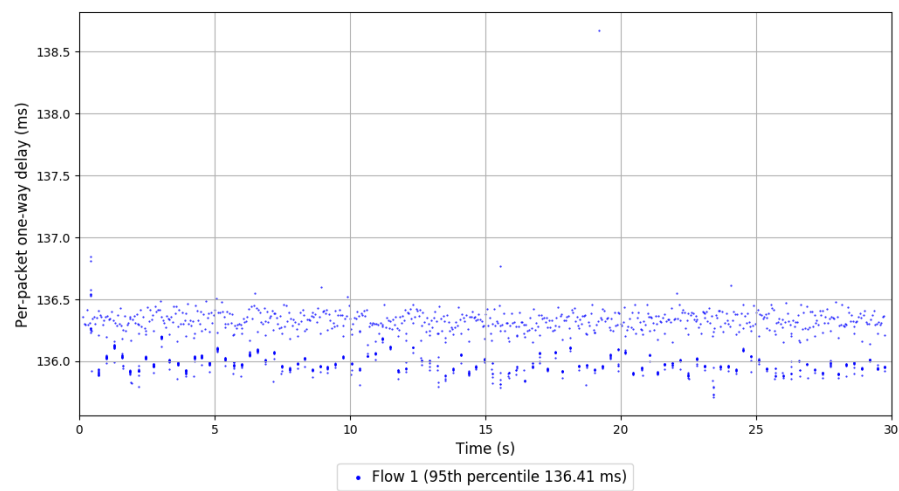
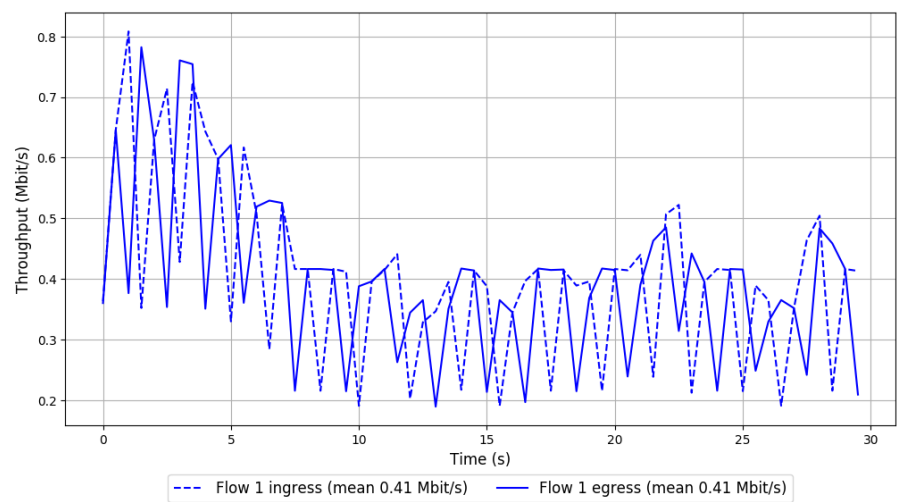
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.411 ms

Loss rate: 0.86%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-24 20:12:11

End at: 2018-04-24 20:12:41

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.036 ms

Loss rate: 0.79%

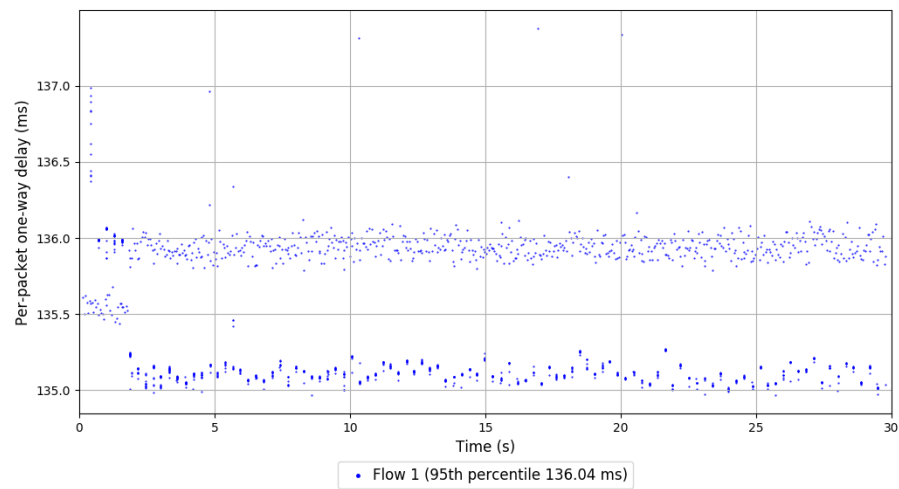
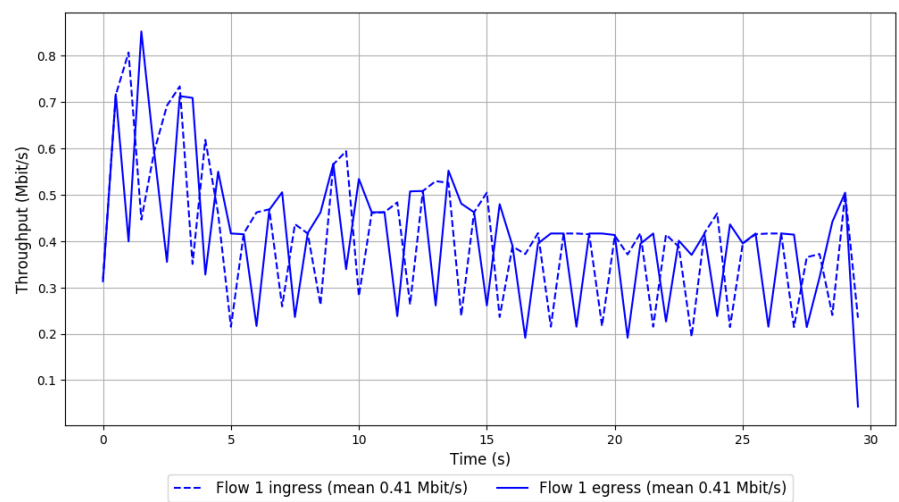
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.036 ms

Loss rate: 0.79%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-24 20:25:56

End at: 2018-04-24 20:26:26

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 136.304 ms

Loss rate: 1.01%

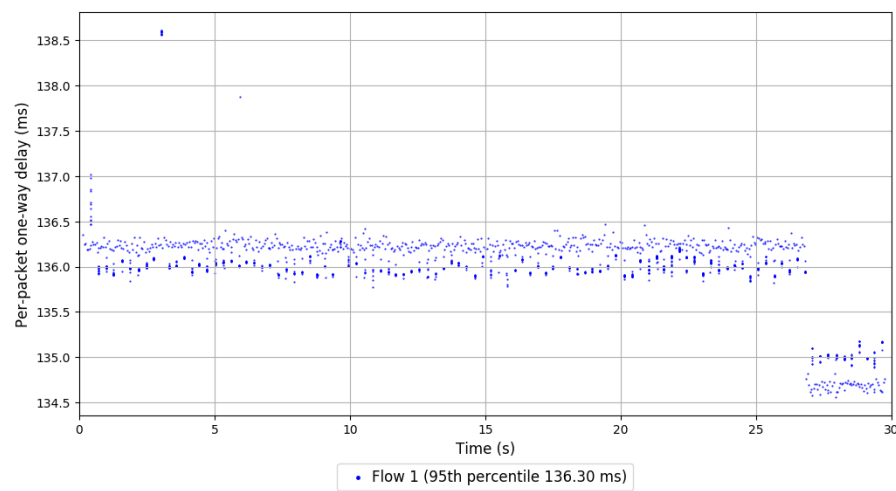
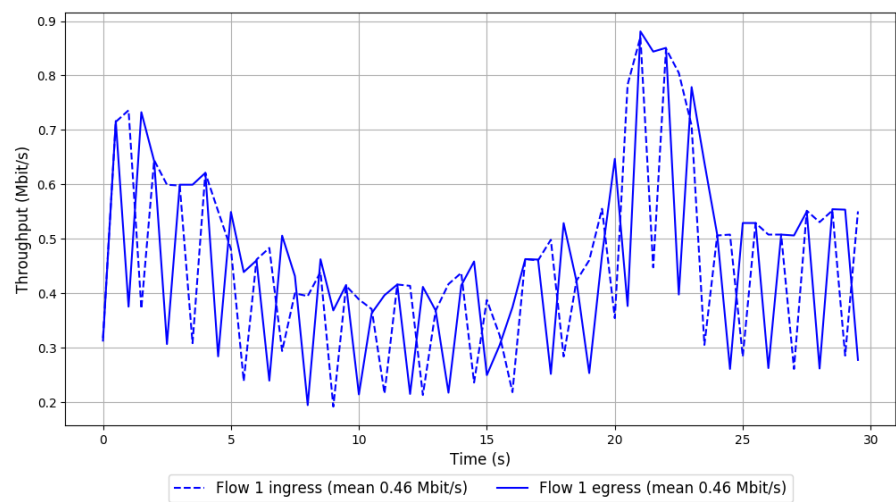
-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 136.304 ms

Loss rate: 1.01%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-24 20:40:30

End at: 2018-04-24 20:41:01

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.144 ms

Loss rate: 0.80%

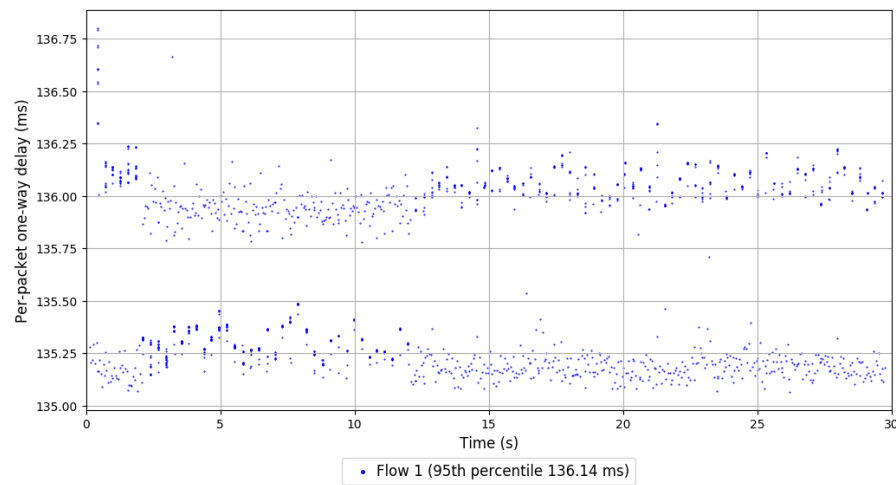
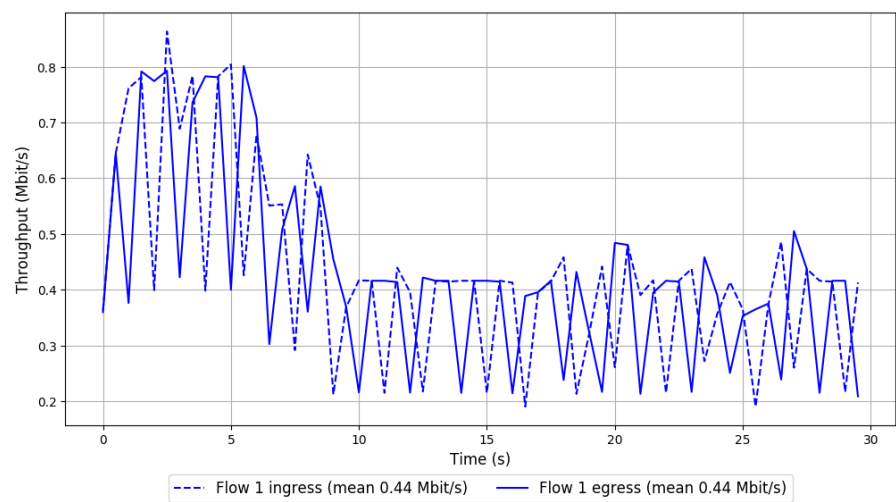
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.144 ms

Loss rate: 0.80%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 20:54:57

End at: 2018-04-24 20:55:27

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

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

Loss rate: 0.83%

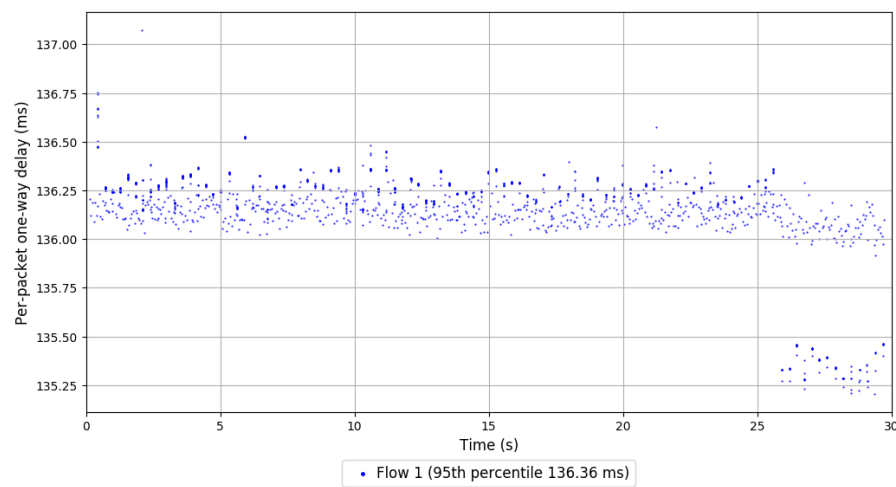
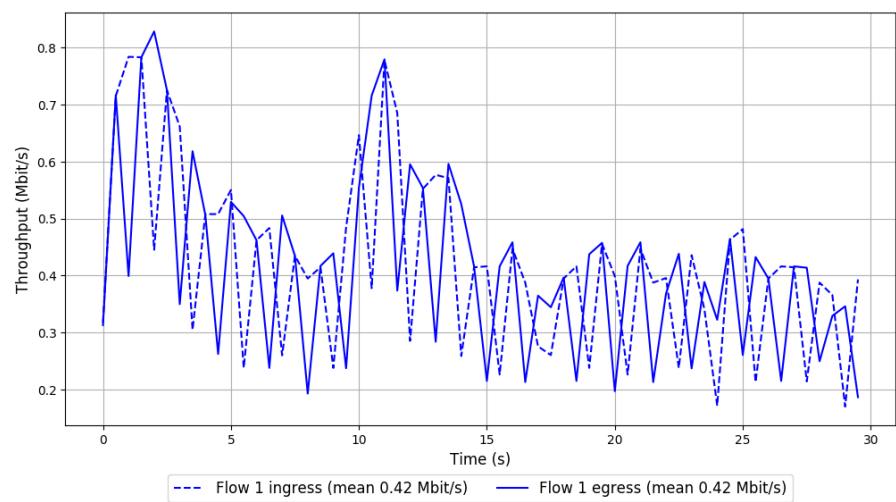
-- Flow 1:

Average throughput: 0.42 Mbit/s

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

Loss rate: 0.83%

Run 10: Report of Sprout — Data Link

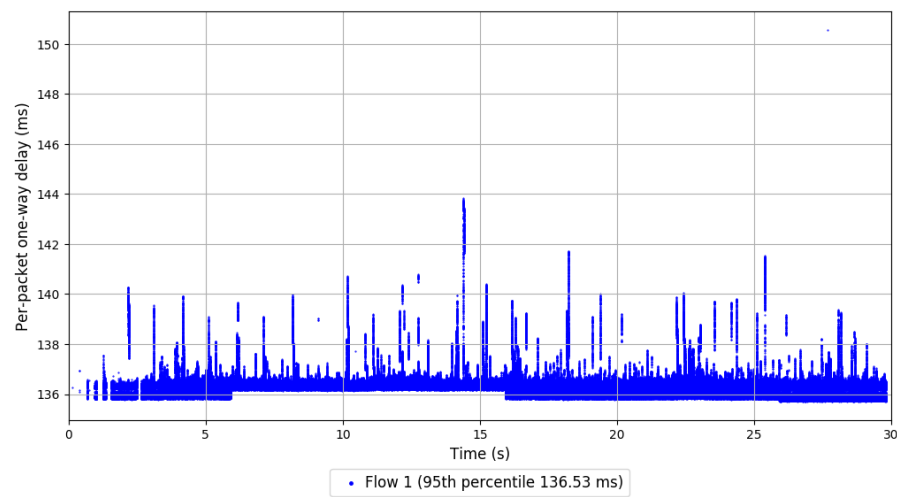
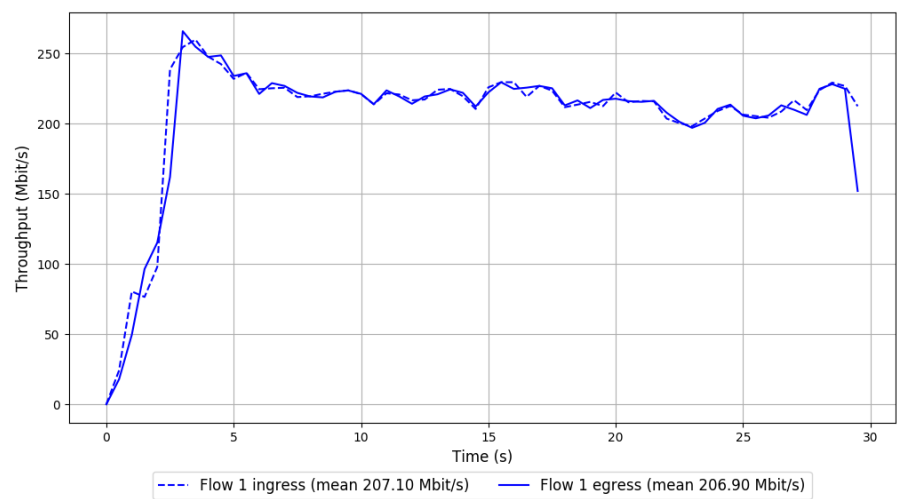


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 18:40:57
End at: 2018-04-24 18:41:27

# Below is generated by plot.py at 2018-04-24 23:55:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.90 Mbit/s
95th percentile per-packet one-way delay: 136.535 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 206.90 Mbit/s
95th percentile per-packet one-way delay: 136.535 ms
Loss rate: 1.01%
```

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

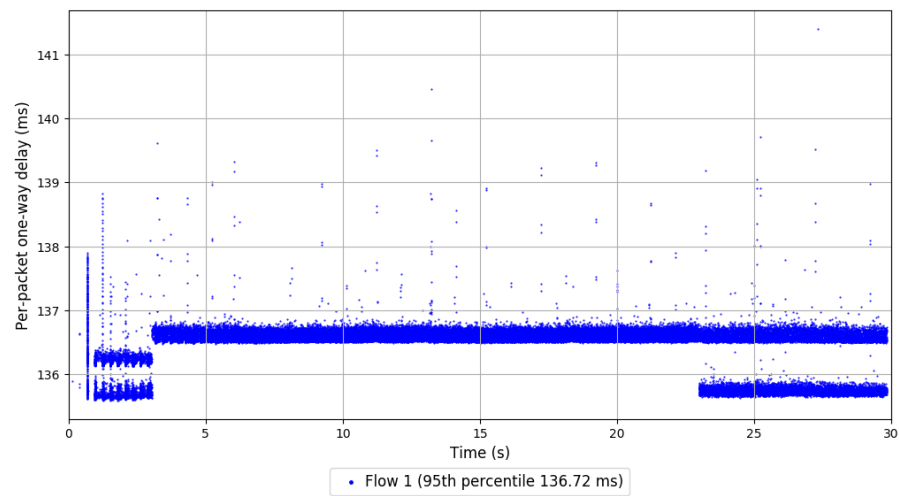
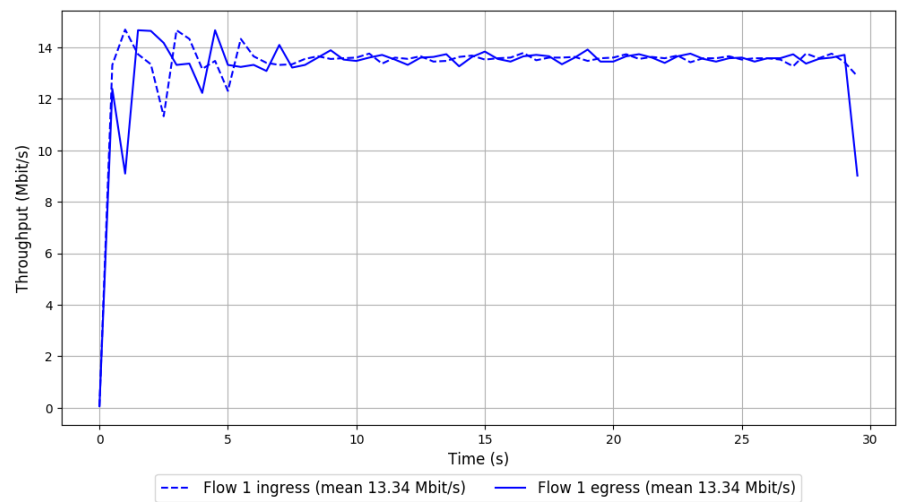


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 18:55:20
End at: 2018-04-24 18:55:50

# Below is generated by plot.py at 2018-04-24 23:55:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 136.721 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 136.721 ms
Loss rate: 0.93%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 19:09:40

End at: 2018-04-24 19:10:10

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.76 Mbit/s

95th percentile per-packet one-way delay: 136.291 ms

Loss rate: 1.04%

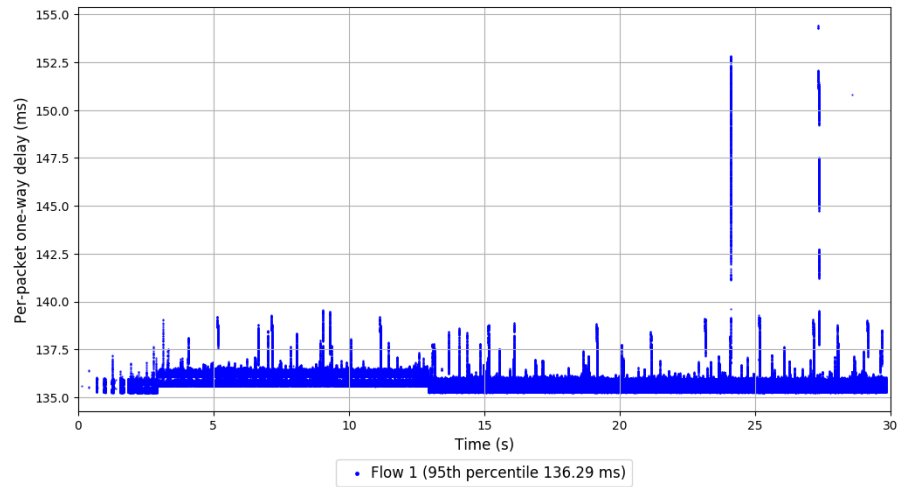
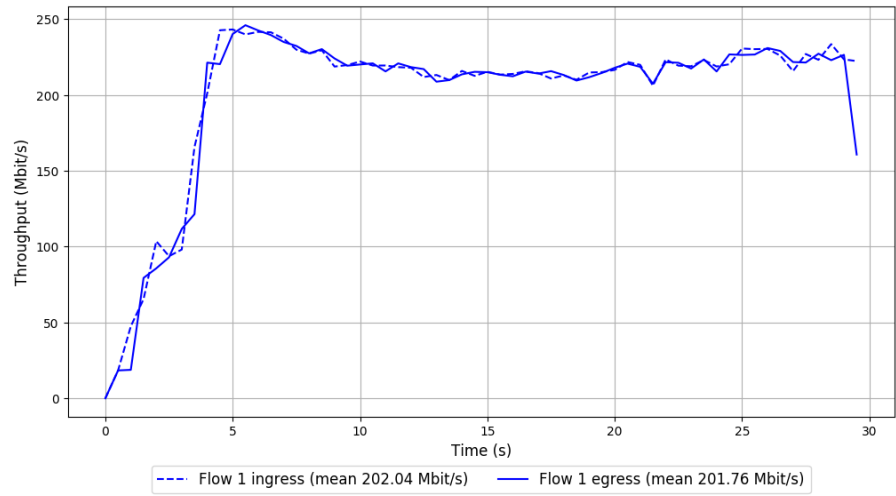
-- Flow 1:

Average throughput: 201.76 Mbit/s

95th percentile per-packet one-way delay: 136.291 ms

Loss rate: 1.04%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 19:24:09

End at: 2018-04-24 19:24:39

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.11 Mbit/s

95th percentile per-packet one-way delay: 136.723 ms

Loss rate: 0.96%

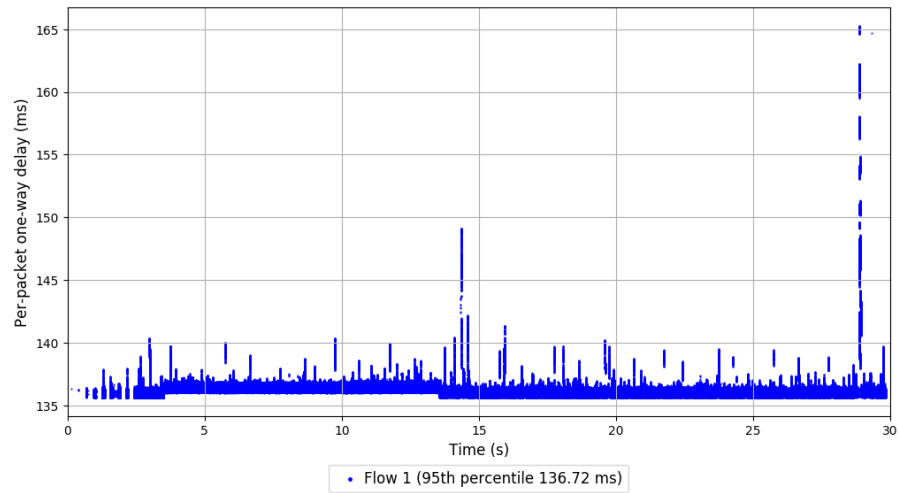
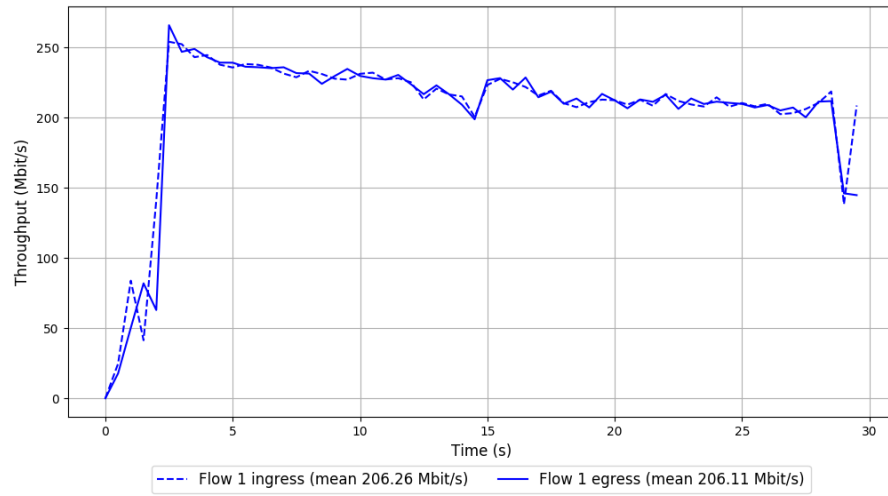
-- Flow 1:

Average throughput: 206.11 Mbit/s

95th percentile per-packet one-way delay: 136.723 ms

Loss rate: 0.96%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 19:38:40

End at: 2018-04-24 19:39:10

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 135.949 ms

Loss rate: 0.92%

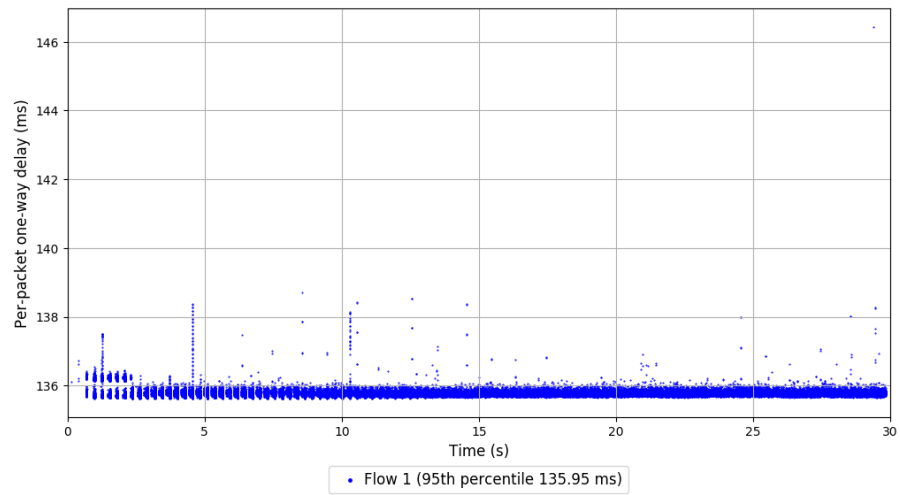
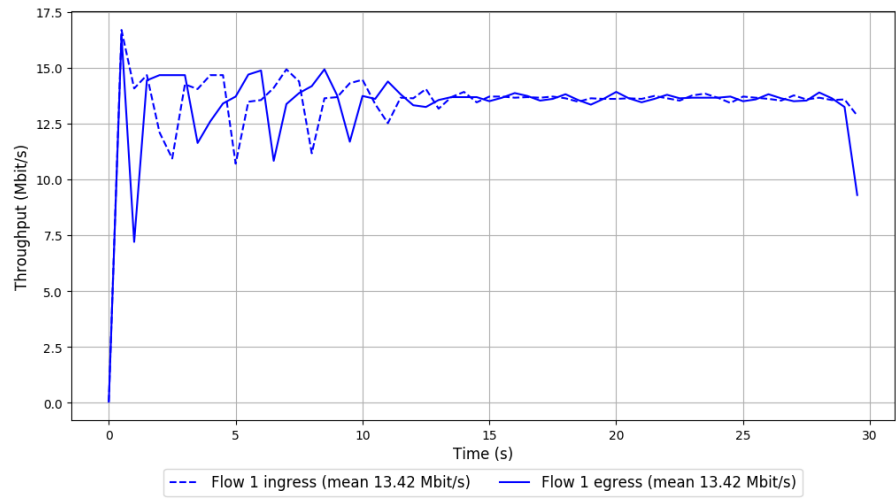
-- Flow 1:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 135.949 ms

Loss rate: 0.92%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 19:53:04

End at: 2018-04-24 19:53:34

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.94 Mbit/s

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

Loss rate: 0.75%

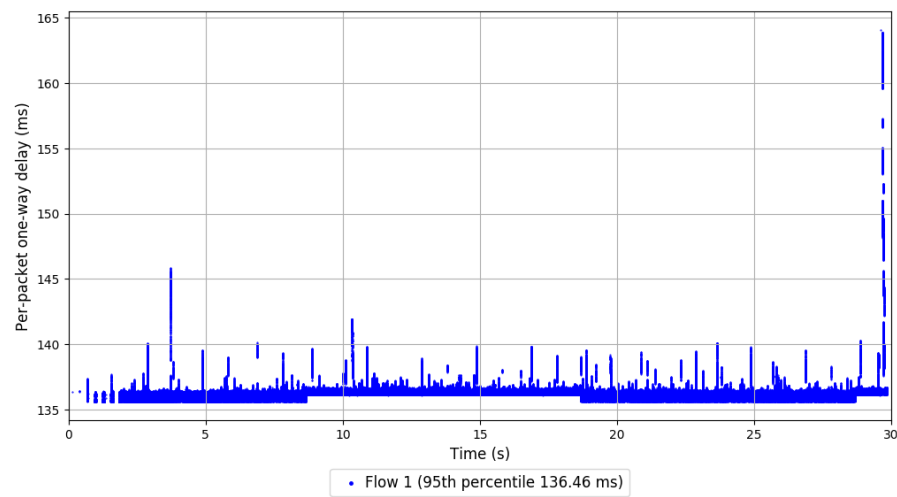
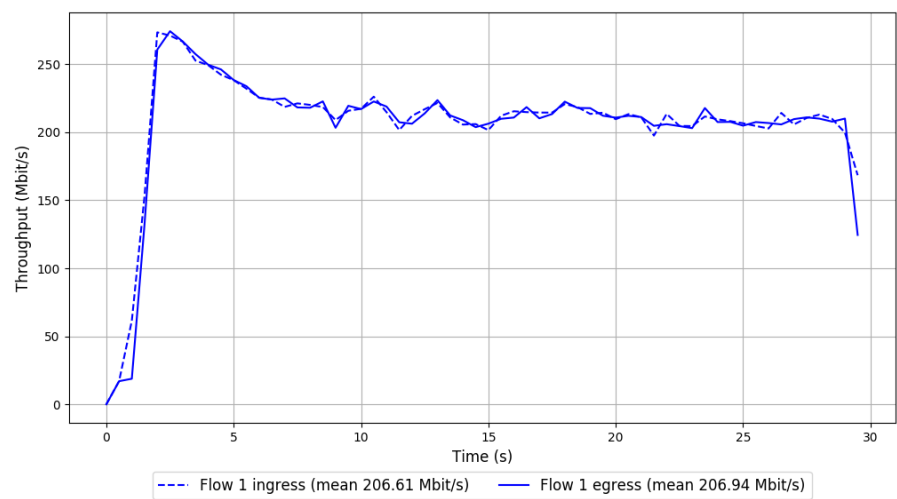
-- Flow 1:

Average throughput: 206.94 Mbit/s

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

Loss rate: 0.75%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 20:07:45

End at: 2018-04-24 20:08:15

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 136.255 ms

Loss rate: 0.39%

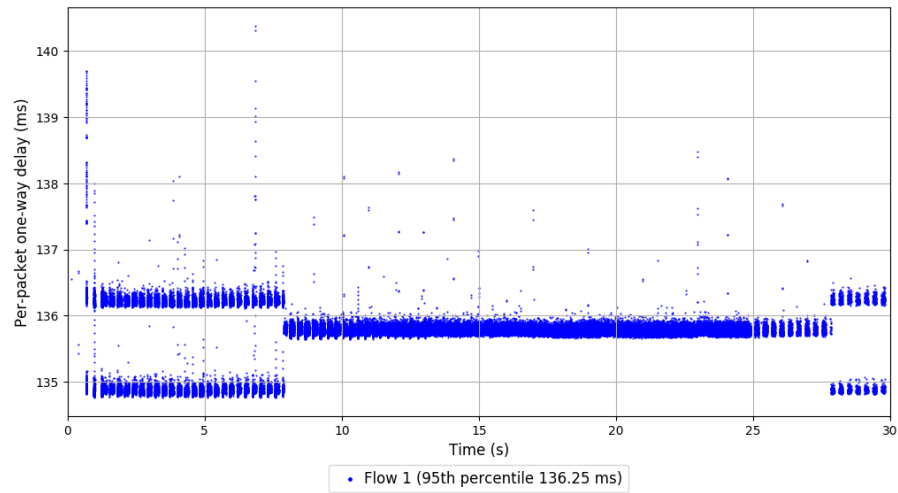
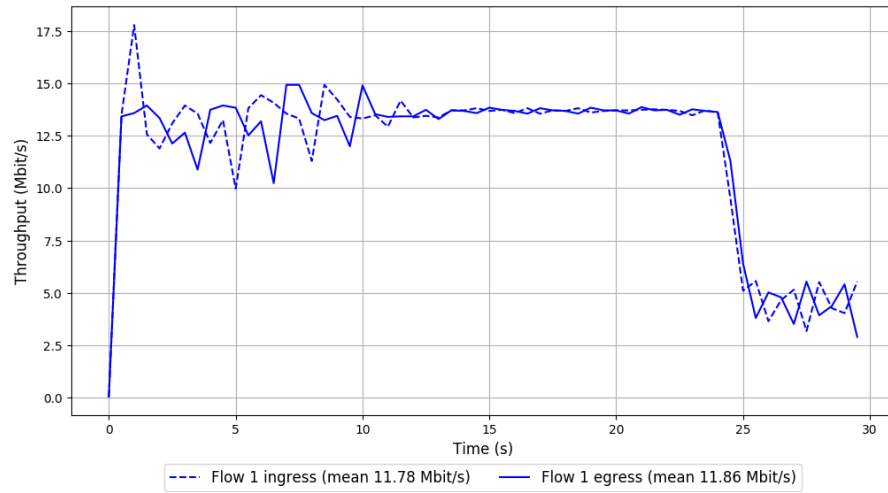
-- Flow 1:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 136.255 ms

Loss rate: 0.39%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 20:22:01

End at: 2018-04-24 20:22:31

Below is generated by plot.py at 2018-04-24 23:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 136.240 ms

Loss rate: 0.94%

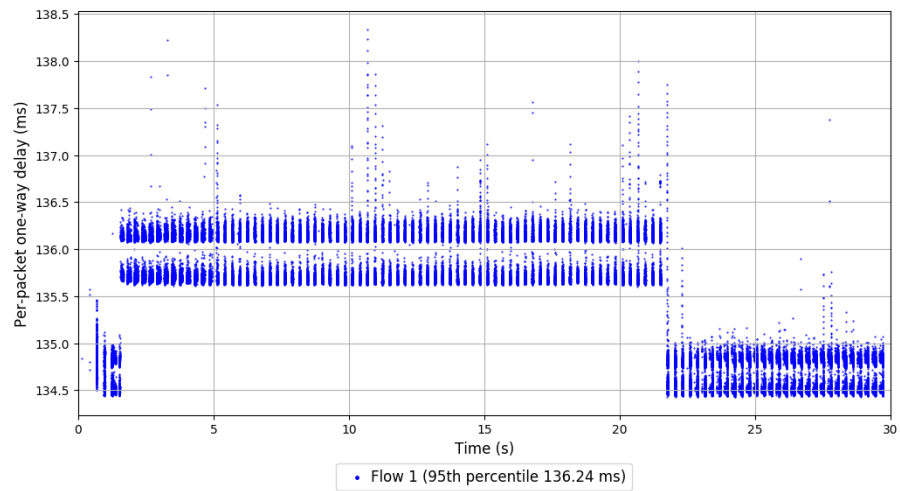
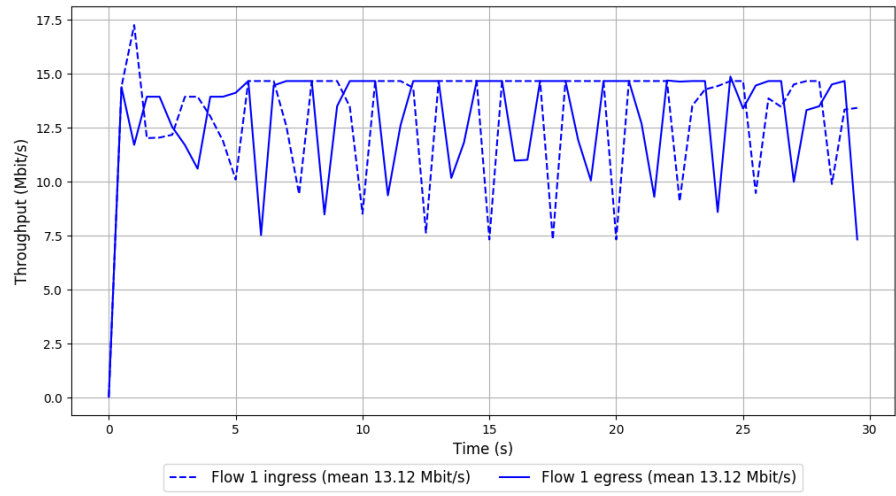
-- Flow 1:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 136.240 ms

Loss rate: 0.94%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 20:35:45

End at: 2018-04-24 20:36:15

Below is generated by plot.py at 2018-04-24 23:55:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.23 Mbit/s

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

Loss rate: 0.96%

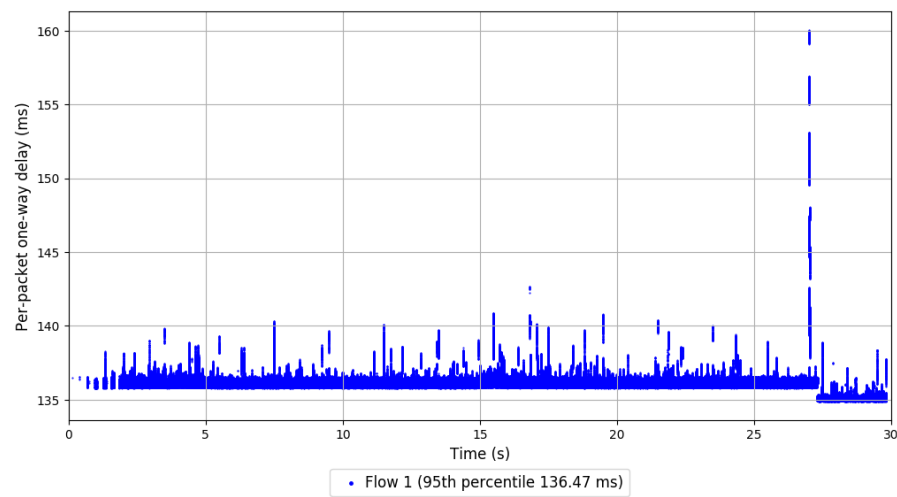
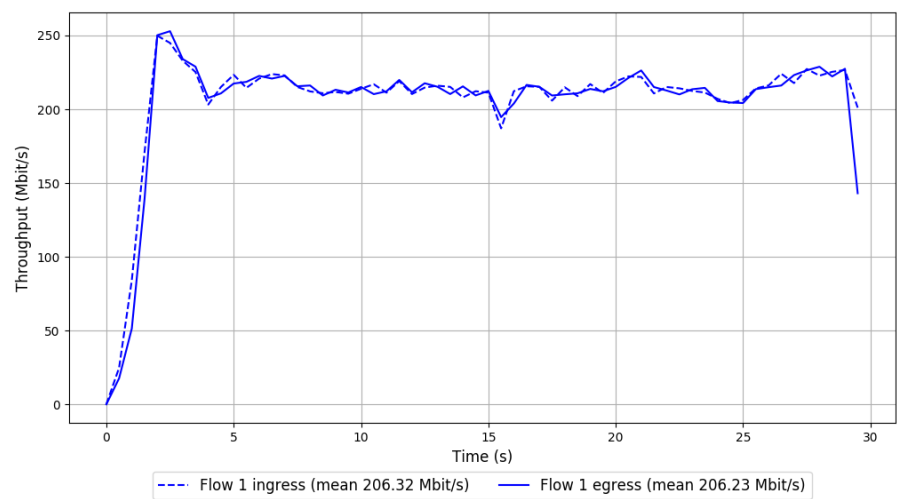
-- Flow 1:

Average throughput: 206.23 Mbit/s

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

Loss rate: 0.96%

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

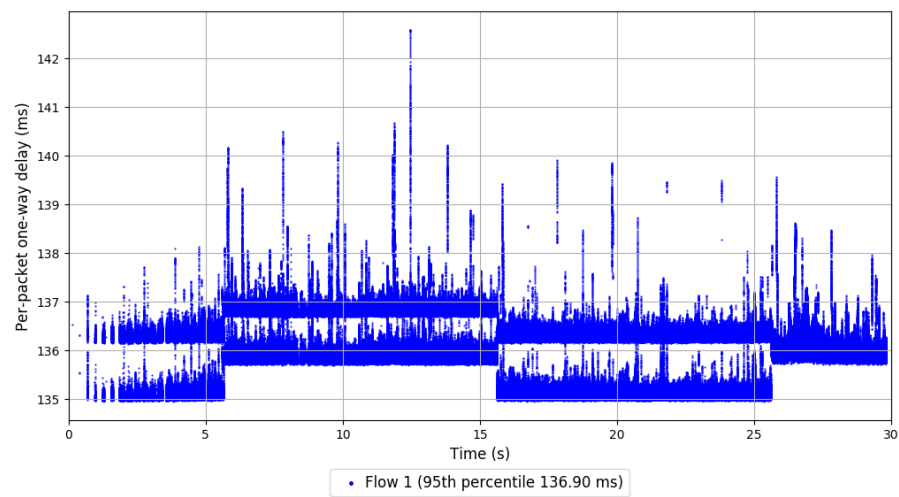
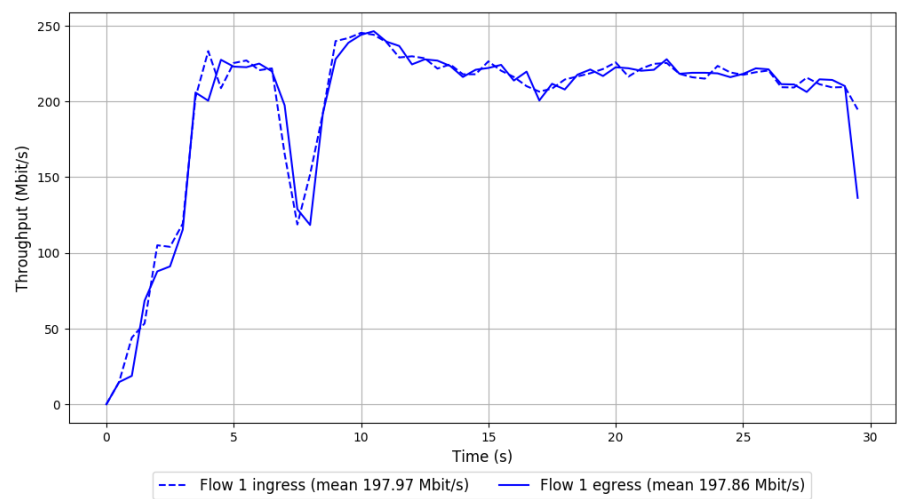


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 20:50:17
End at: 2018-04-24 20:50:47

# Below is generated by plot.py at 2018-04-24 23:56:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.86 Mbit/s
95th percentile per-packet one-way delay: 136.904 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 197.86 Mbit/s
95th percentile per-packet one-way delay: 136.904 ms
Loss rate: 0.96%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 18:54:34

End at: 2018-04-24 18:55:04

Below is generated by plot.py at 2018-04-24 23:56:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.11 Mbit/s

95th percentile per-packet one-way delay: 139.982 ms

Loss rate: 0.98%

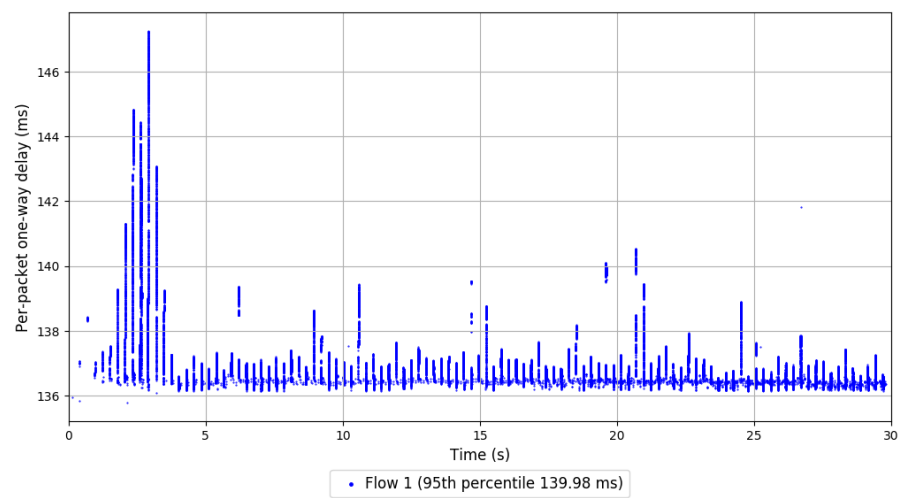
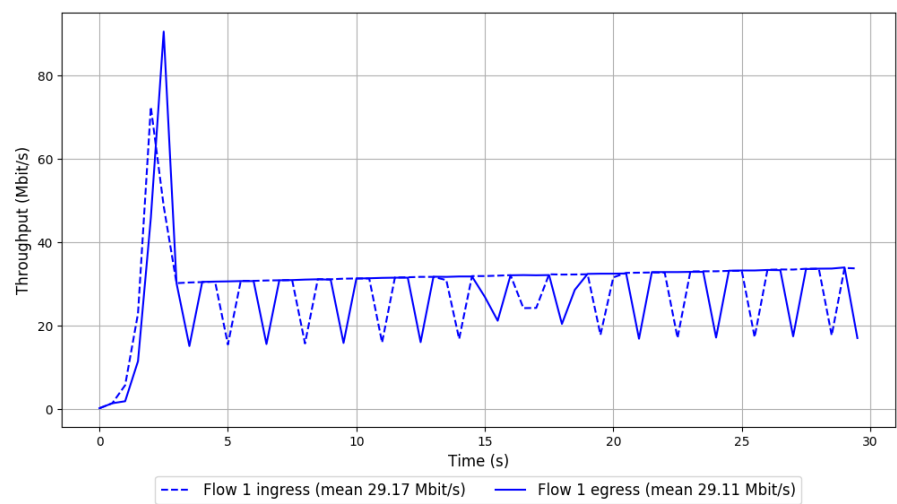
-- Flow 1:

Average throughput: 29.11 Mbit/s

95th percentile per-packet one-way delay: 139.982 ms

Loss rate: 0.98%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 19:08:53

End at: 2018-04-24 19:09:23

Below is generated by plot.py at 2018-04-24 23:56:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.13 Mbit/s

95th percentile per-packet one-way delay: 143.066 ms

Loss rate: 0.56%

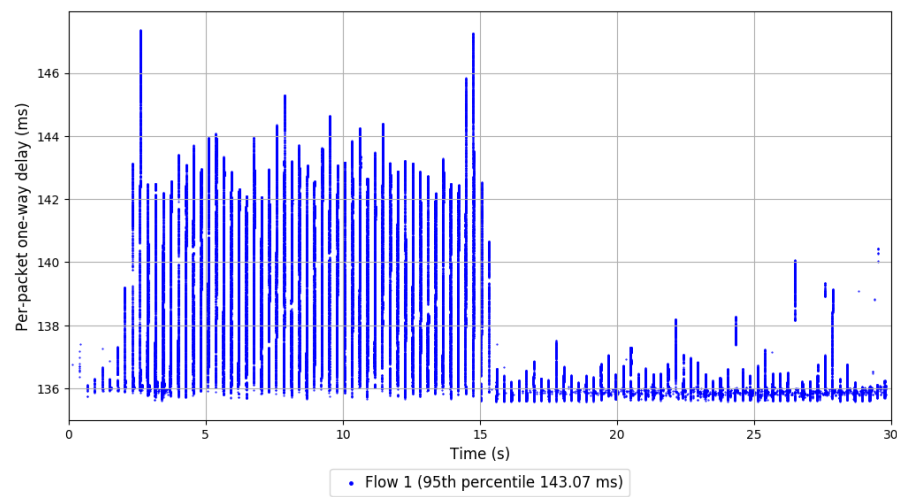
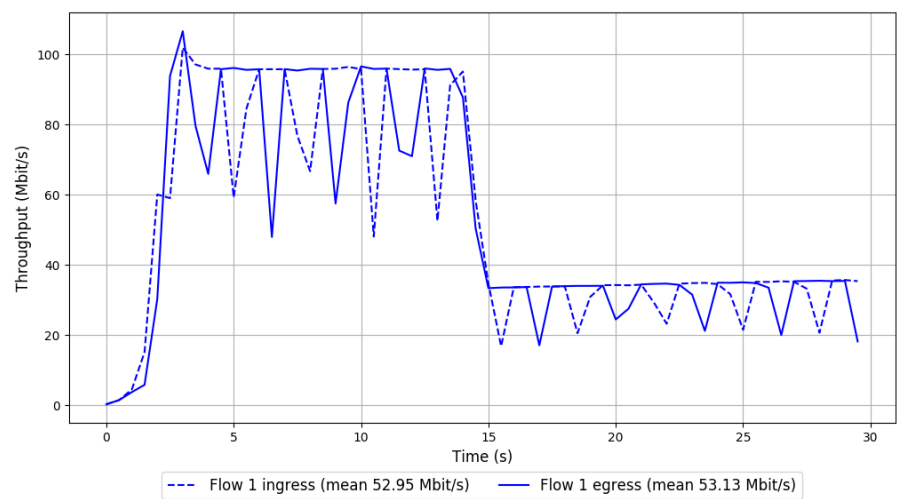
-- Flow 1:

Average throughput: 53.13 Mbit/s

95th percentile per-packet one-way delay: 143.066 ms

Loss rate: 0.56%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 19:23:24

End at: 2018-04-24 19:23:54

Below is generated by plot.py at 2018-04-24 23:56:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.42 Mbit/s

95th percentile per-packet one-way delay: 138.420 ms

Loss rate: 0.96%

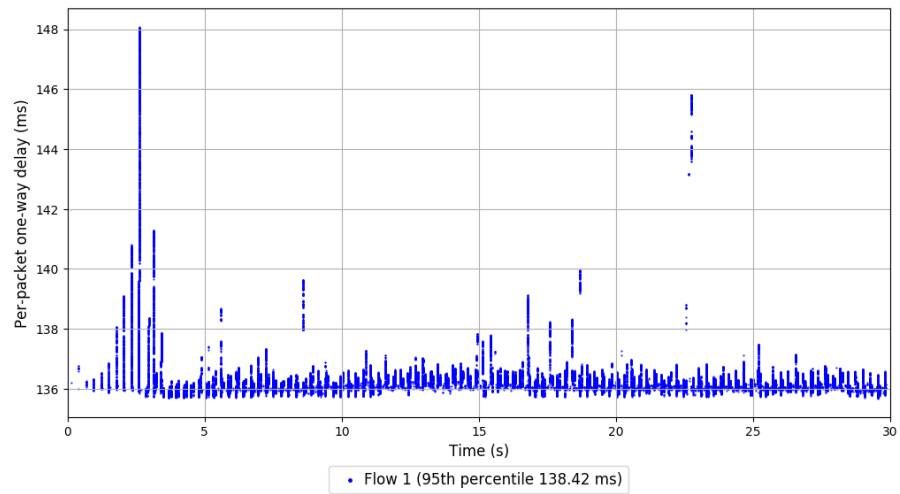
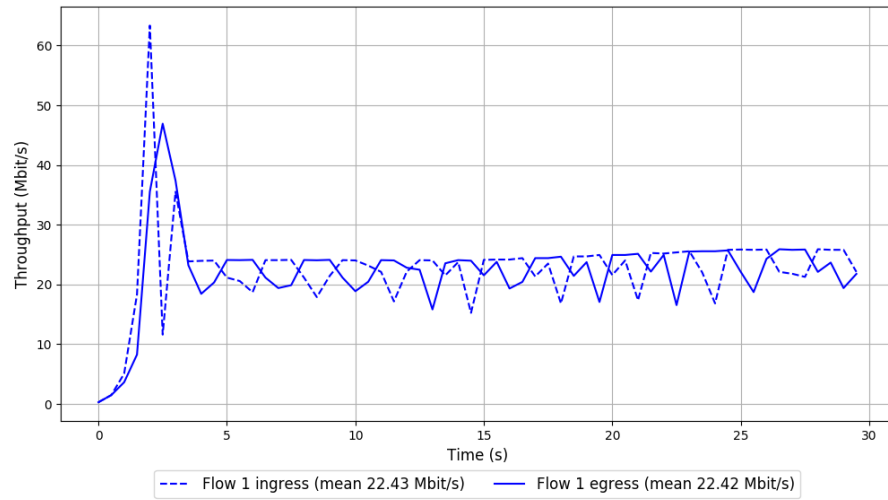
-- Flow 1:

Average throughput: 22.42 Mbit/s

95th percentile per-packet one-way delay: 138.420 ms

Loss rate: 0.96%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 19:37:55

End at: 2018-04-24 19:38:25

Below is generated by plot.py at 2018-04-24 23:56:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 139.208 ms

Loss rate: 1.00%

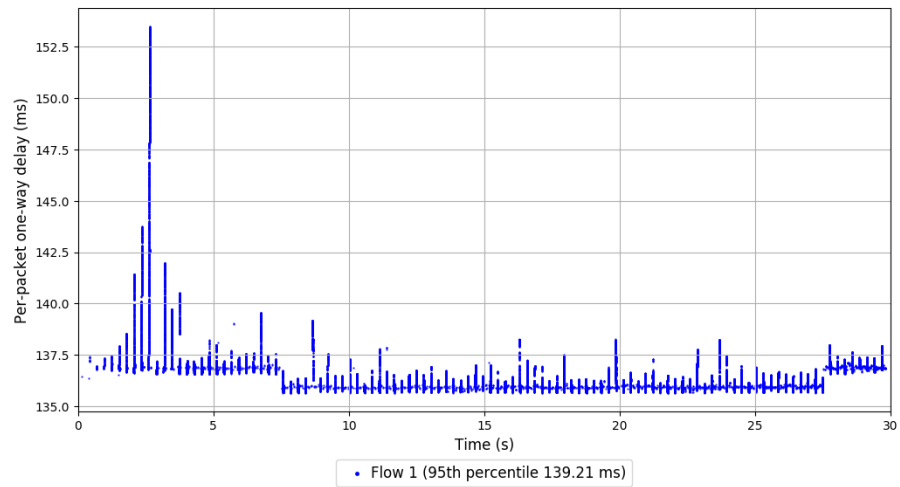
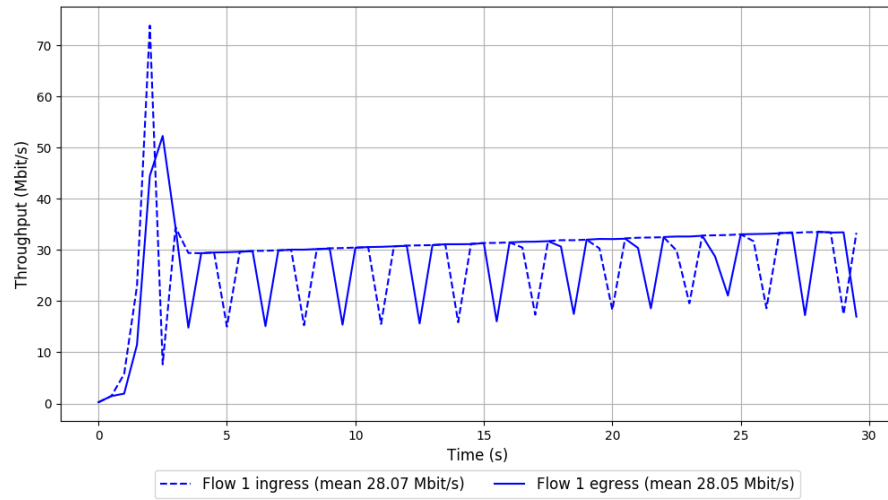
-- Flow 1:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 139.208 ms

Loss rate: 1.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 19:52:18

End at: 2018-04-24 19:52:48

Below is generated by plot.py at 2018-04-24 23:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.41 Mbit/s

95th percentile per-packet one-way delay: 139.361 ms

Loss rate: 0.96%

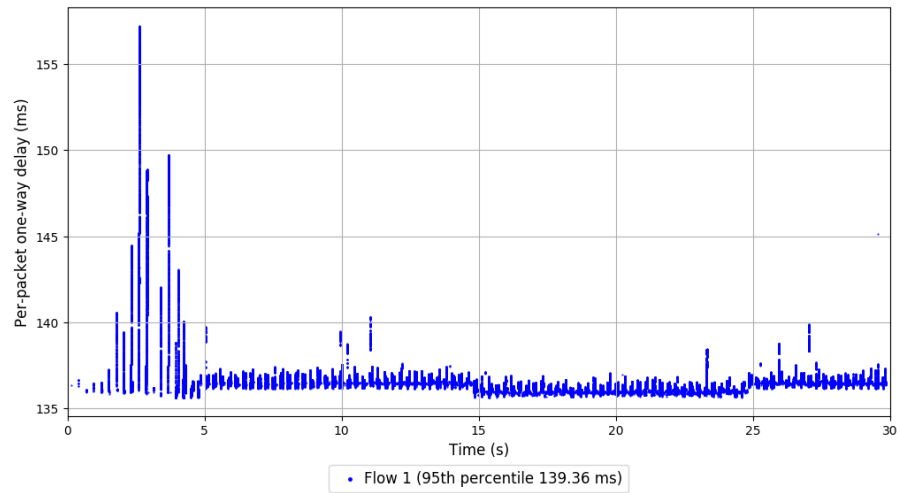
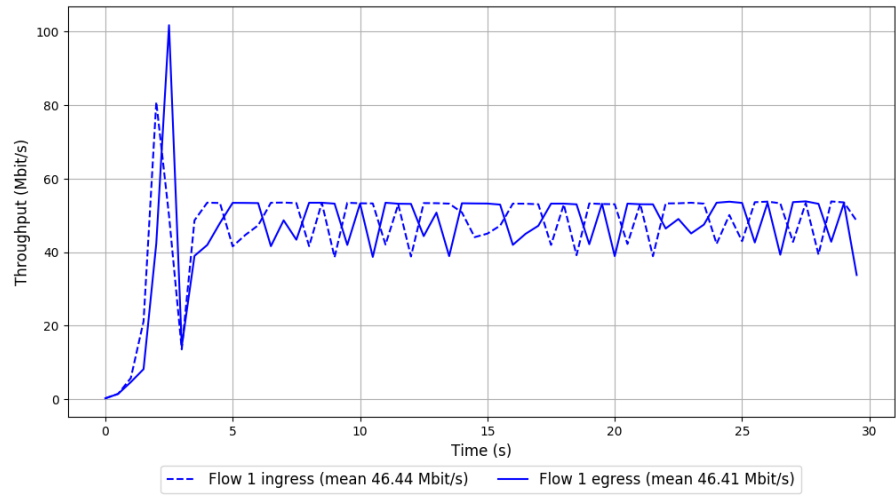
-- Flow 1:

Average throughput: 46.41 Mbit/s

95th percentile per-packet one-way delay: 139.361 ms

Loss rate: 0.96%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 20:07:00

End at: 2018-04-24 20:07:30

Below is generated by plot.py at 2018-04-24 23:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 139.688 ms

Loss rate: 0.89%

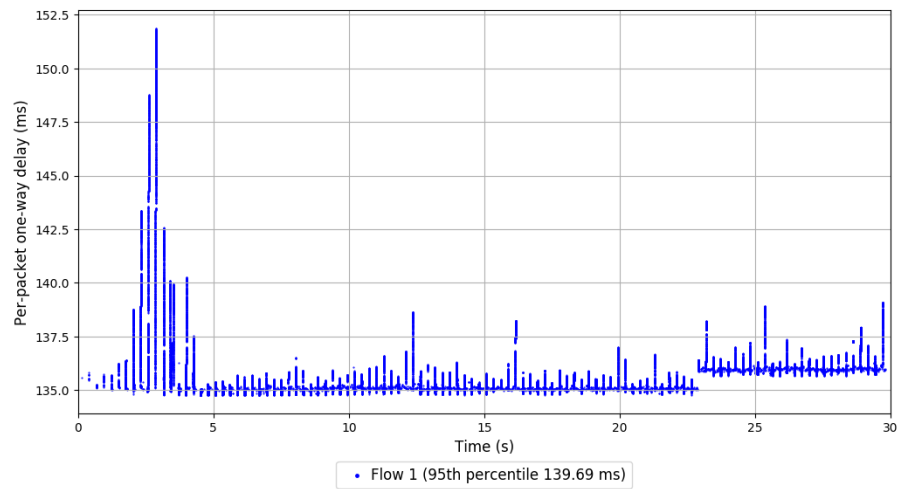
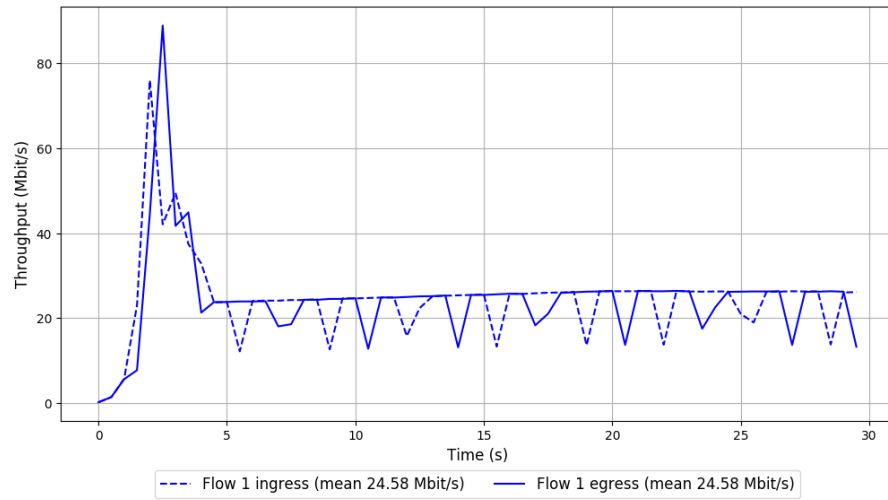
-- Flow 1:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 139.688 ms

Loss rate: 0.89%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 20:21:13

End at: 2018-04-24 20:21:43

Below is generated by plot.py at 2018-04-24 23:56:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.50 Mbit/s

95th percentile per-packet one-way delay: 145.446 ms

Loss rate: 0.99%

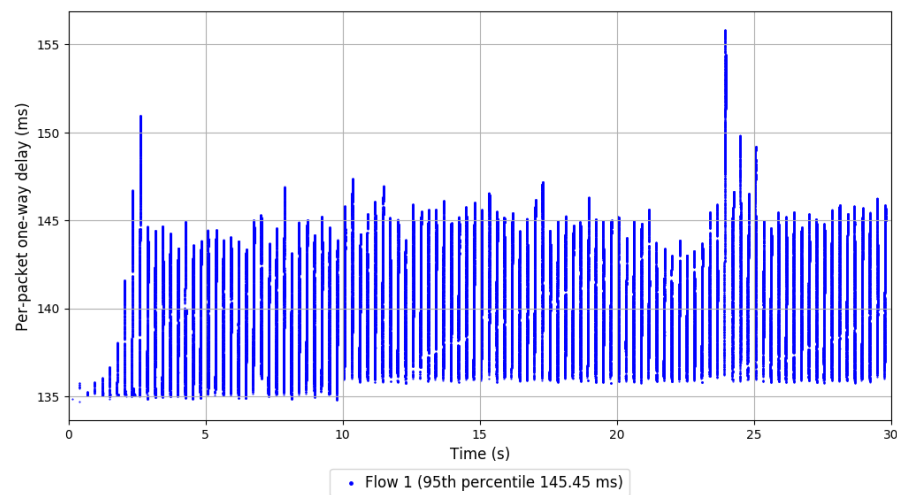
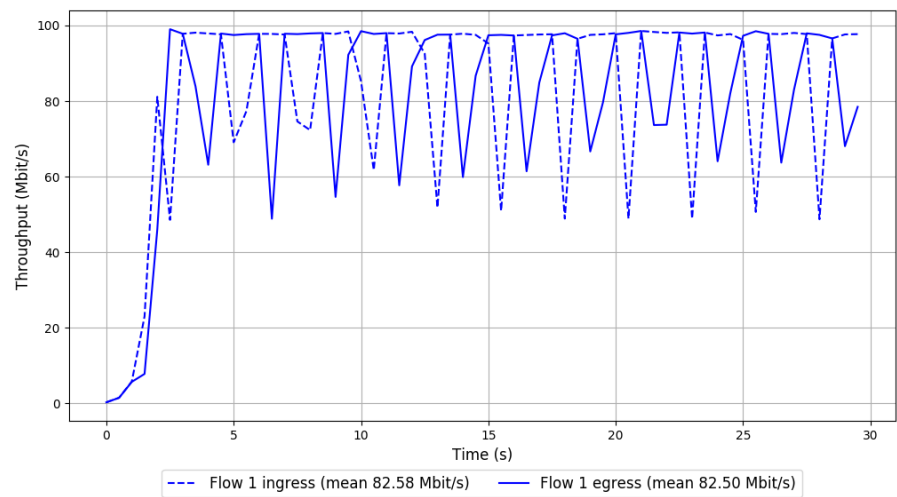
-- Flow 1:

Average throughput: 82.50 Mbit/s

95th percentile per-packet one-way delay: 145.446 ms

Loss rate: 0.99%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 20:34:57

End at: 2018-04-24 20:35:27

Below is generated by plot.py at 2018-04-24 23:57:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.61 Mbit/s

95th percentile per-packet one-way delay: 143.409 ms

Loss rate: 0.97%

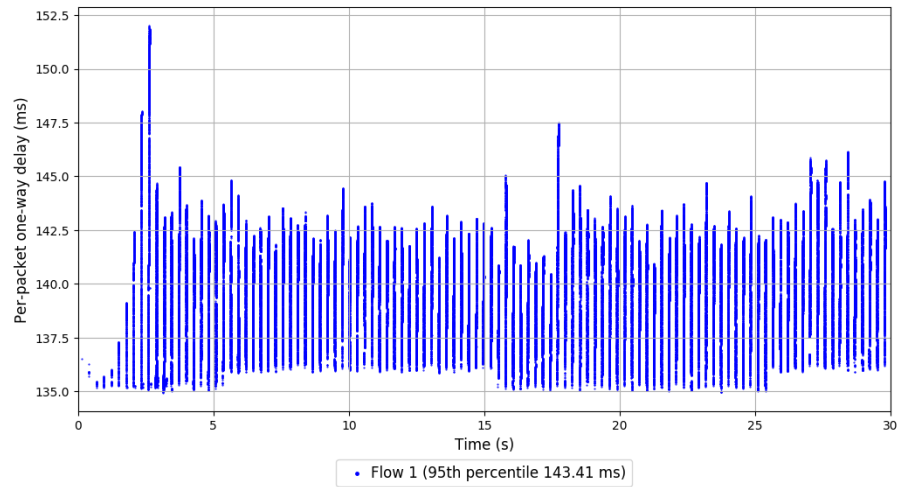
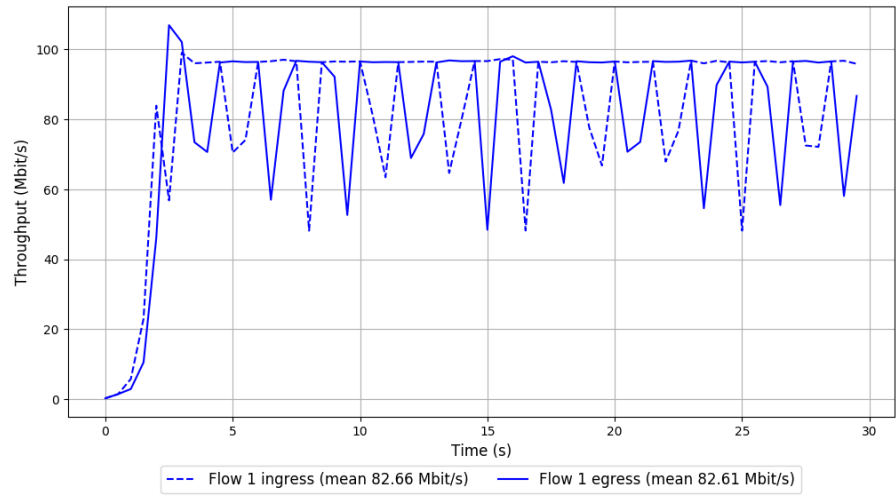
-- Flow 1:

Average throughput: 82.61 Mbit/s

95th percentile per-packet one-way delay: 143.409 ms

Loss rate: 0.97%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 20:49:31

End at: 2018-04-24 20:50:01

Below is generated by plot.py at 2018-04-24 23:57:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.92 Mbit/s

95th percentile per-packet one-way delay: 137.303 ms

Loss rate: 0.99%

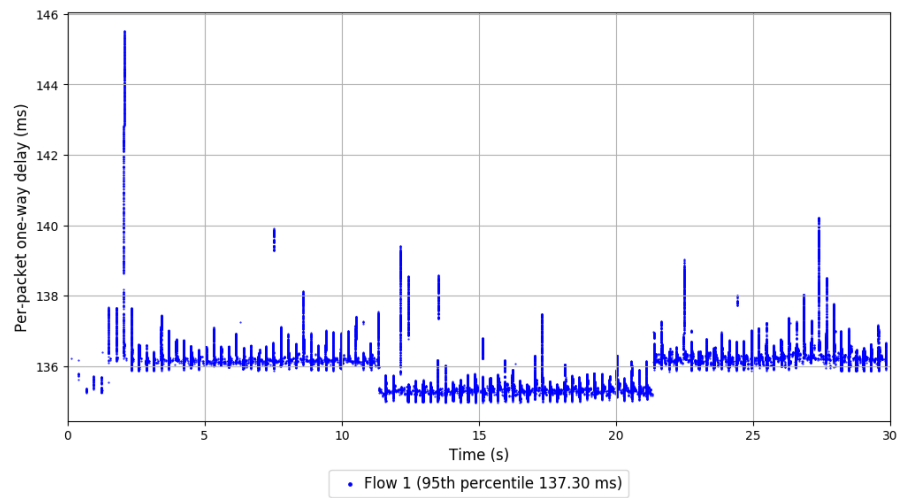
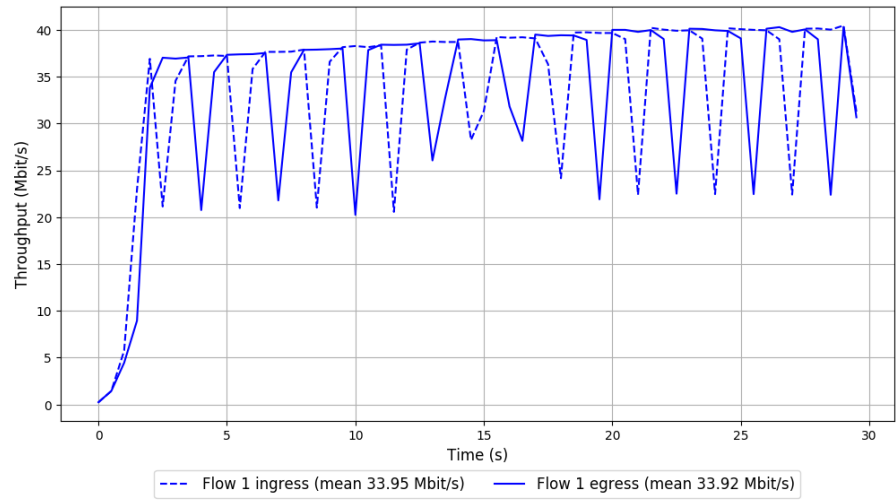
-- Flow 1:

Average throughput: 33.92 Mbit/s

95th percentile per-packet one-way delay: 137.303 ms

Loss rate: 0.99%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 21:03:53

End at: 2018-04-24 21:04:23

Below is generated by plot.py at 2018-04-24 23:57:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.58 Mbit/s

95th percentile per-packet one-way delay: 145.554 ms

Loss rate: 0.37%

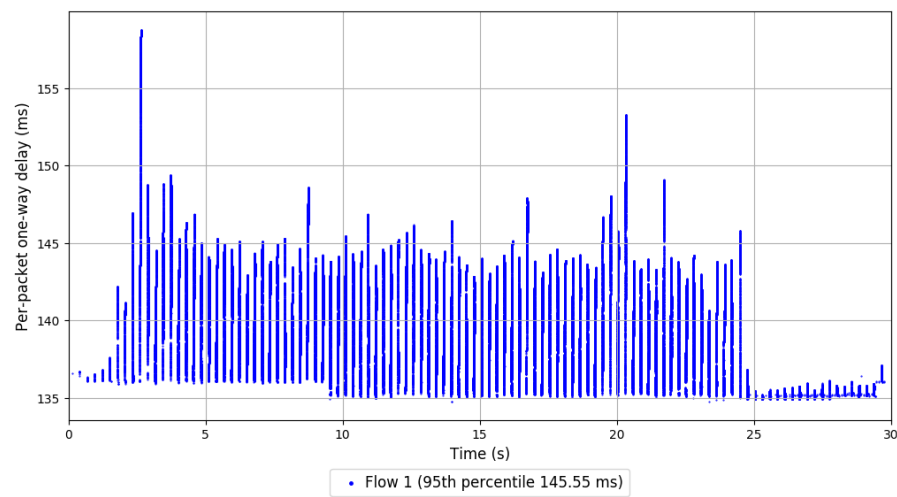
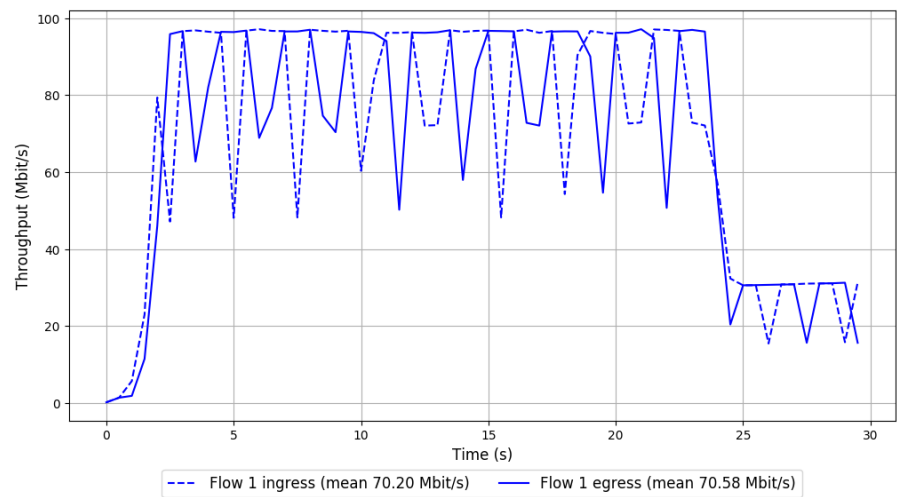
-- Flow 1:

Average throughput: 70.58 Mbit/s

95th percentile per-packet one-way delay: 145.554 ms

Loss rate: 0.37%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-24 18:47:48

End at: 2018-04-24 18:48:18

Below is generated by plot.py at 2018-04-24 23:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.76 Mbit/s

95th percentile per-packet one-way delay: 157.979 ms

Loss rate: 2.18%

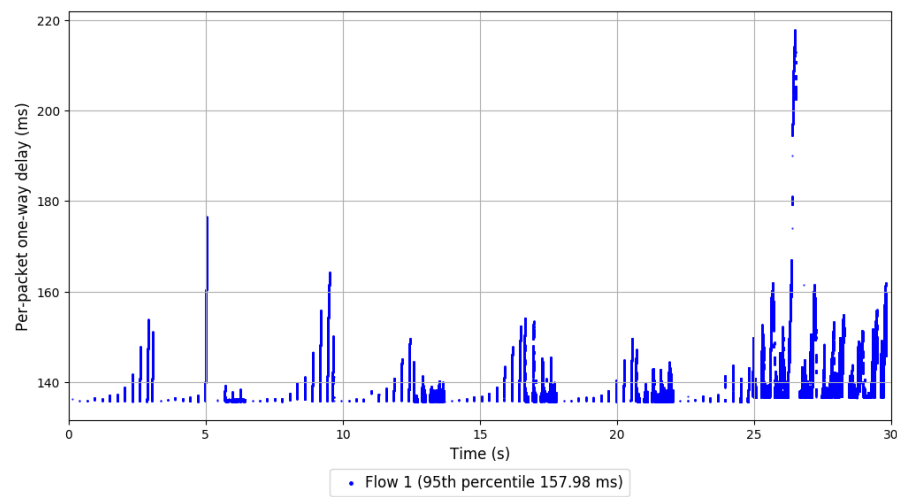
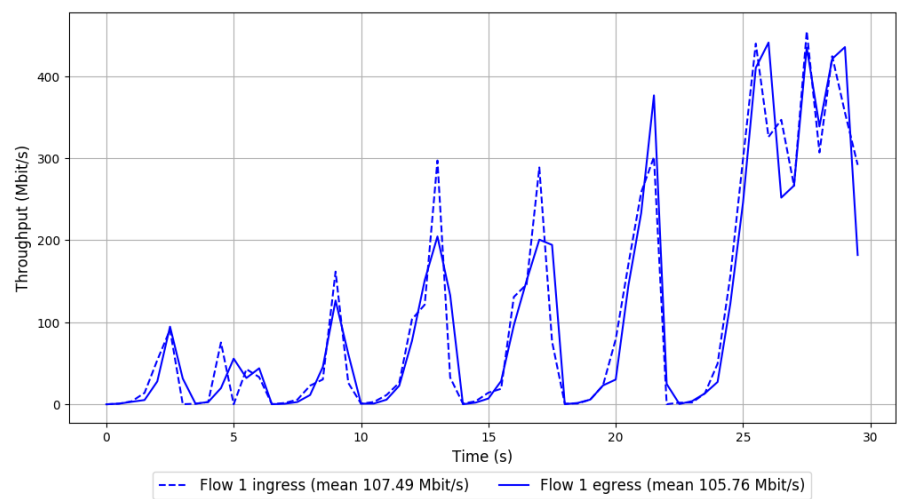
-- Flow 1:

Average throughput: 105.76 Mbit/s

95th percentile per-packet one-way delay: 157.979 ms

Loss rate: 2.18%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-24 19:01:53

End at: 2018-04-24 19:02:23

Below is generated by plot.py at 2018-04-24 23:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.38 Mbit/s

95th percentile per-packet one-way delay: 155.740 ms

Loss rate: 1.09%

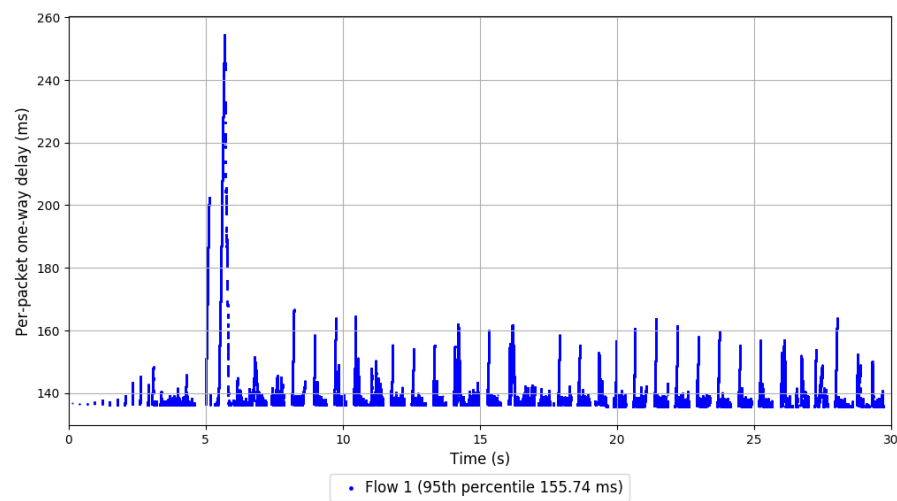
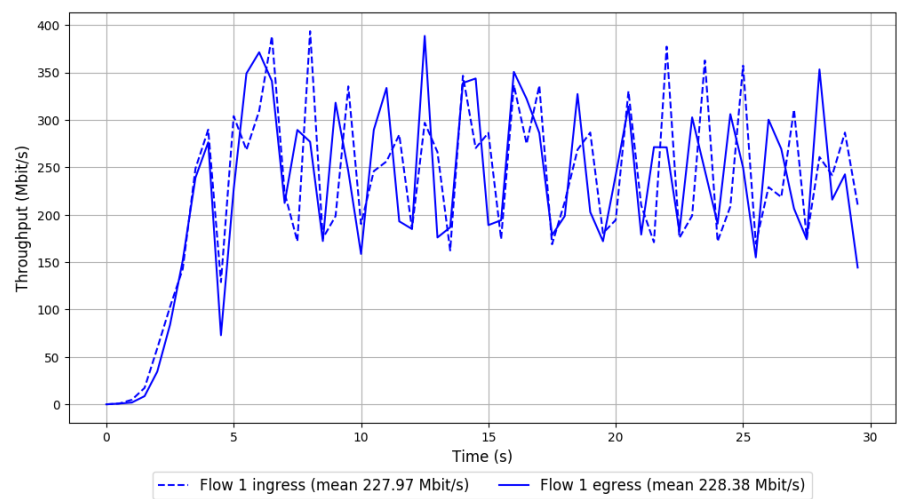
-- Flow 1:

Average throughput: 228.38 Mbit/s

95th percentile per-packet one-way delay: 155.740 ms

Loss rate: 1.09%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-24 19:16:33

End at: 2018-04-24 19:17:03

Below is generated by plot.py at 2018-04-24 23:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.81 Mbit/s

95th percentile per-packet one-way delay: 171.949 ms

Loss rate: 1.37%

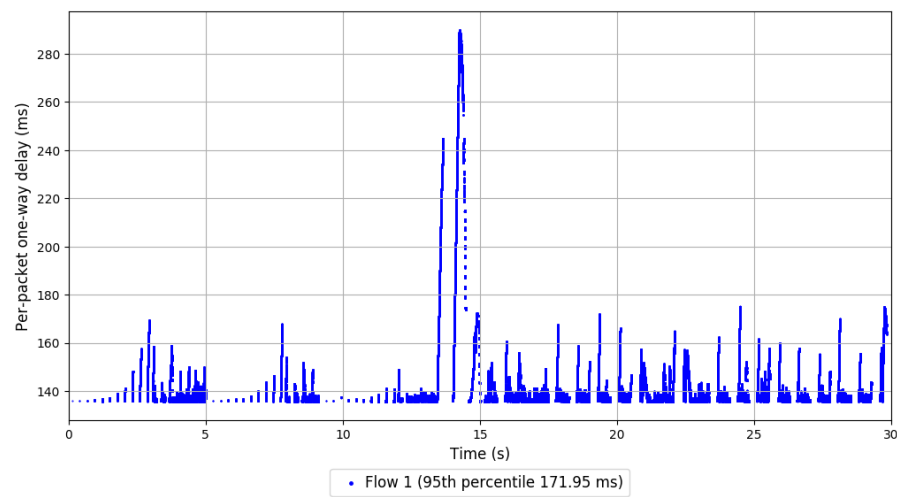
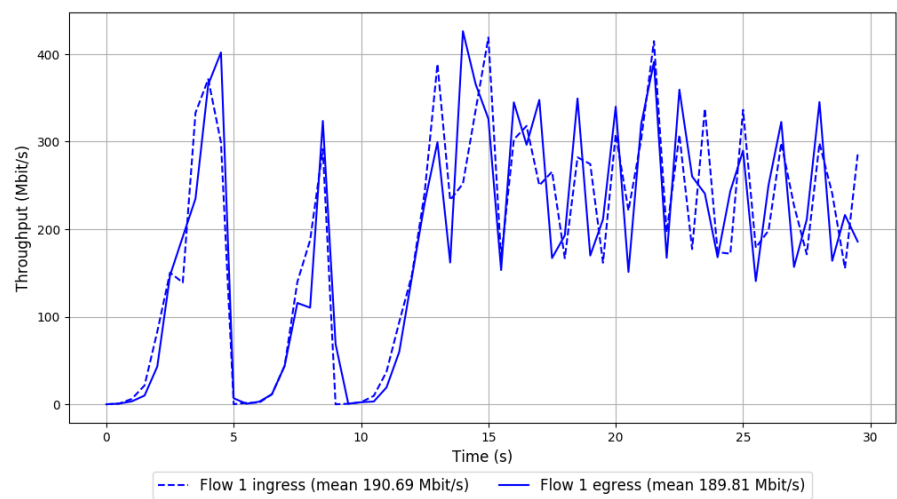
-- Flow 1:

Average throughput: 189.81 Mbit/s

95th percentile per-packet one-way delay: 171.949 ms

Loss rate: 1.37%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-24 19:31:02

End at: 2018-04-24 19:31:32

Below is generated by plot.py at 2018-04-24 23:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.49 Mbit/s

95th percentile per-packet one-way delay: 185.578 ms

Loss rate: 0.79%

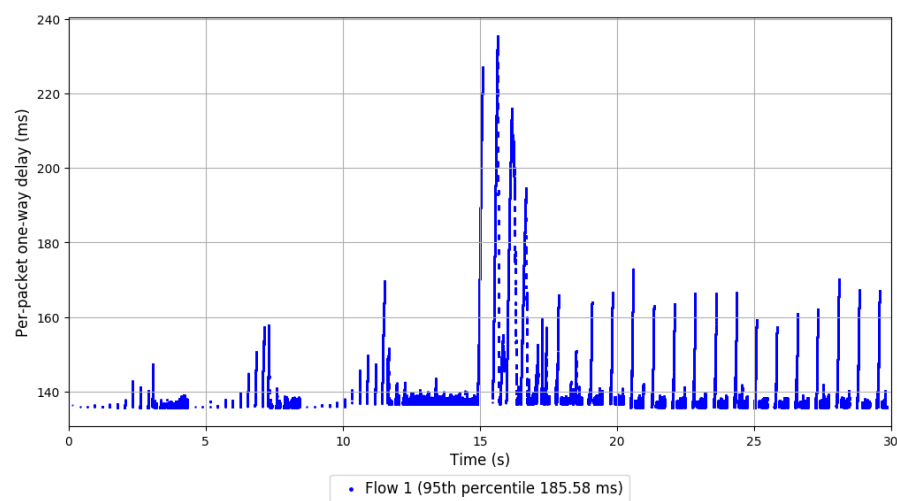
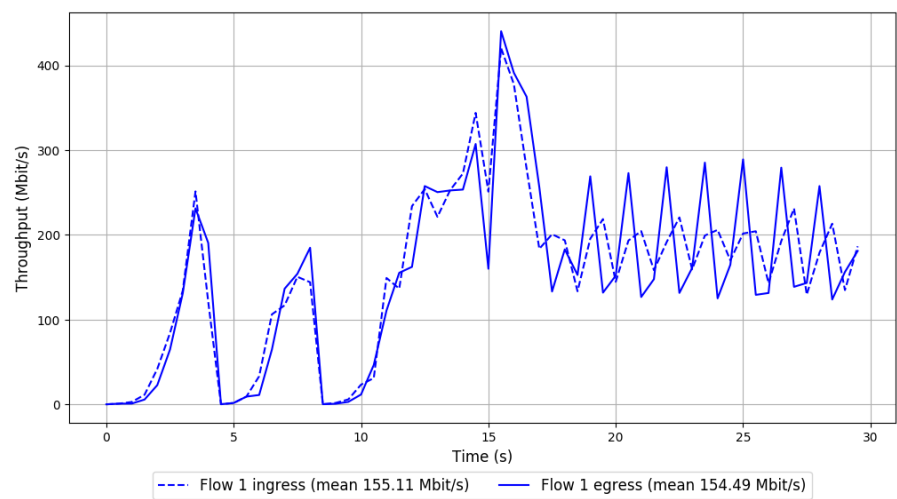
-- Flow 1:

Average throughput: 154.49 Mbit/s

95th percentile per-packet one-way delay: 185.578 ms

Loss rate: 0.79%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-24 19:45:17

End at: 2018-04-24 19:45:47

Below is generated by plot.py at 2018-04-24 23:59:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.09 Mbit/s

95th percentile per-packet one-way delay: 182.070 ms

Loss rate: 1.01%

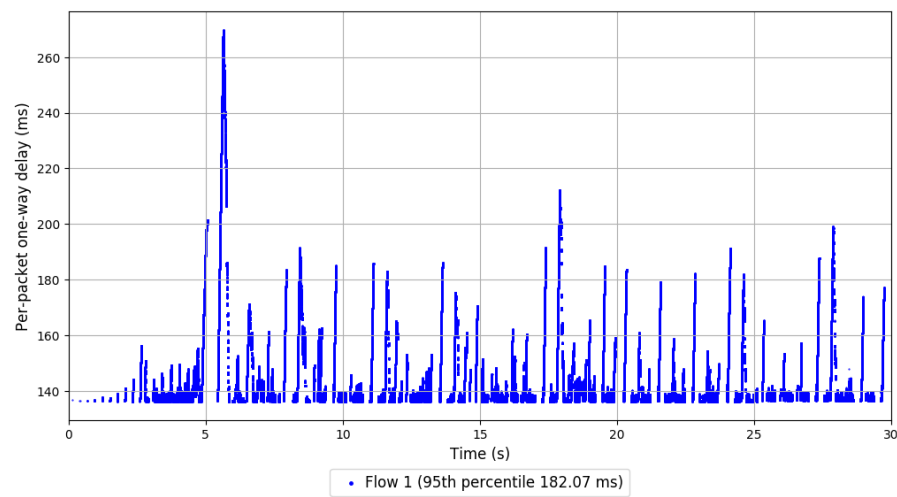
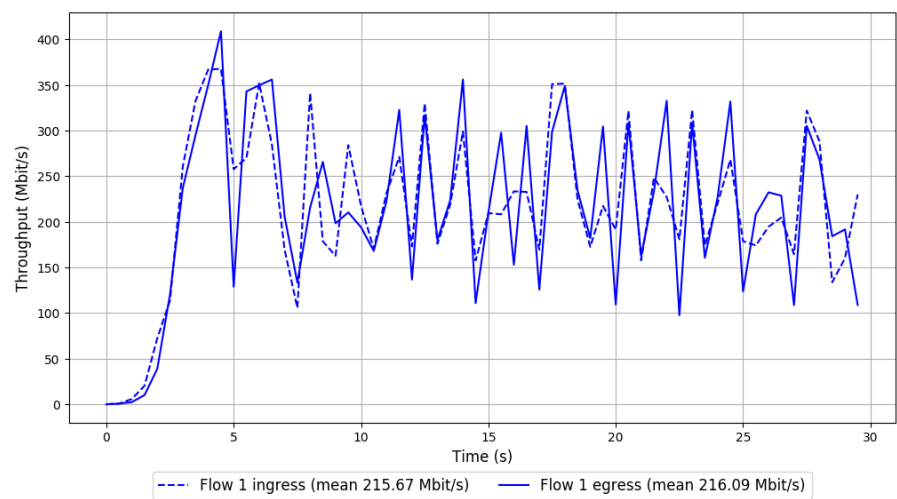
-- Flow 1:

Average throughput: 216.09 Mbit/s

95th percentile per-packet one-way delay: 182.070 ms

Loss rate: 1.01%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-24 19:59:59

End at: 2018-04-24 20:00:29

Below is generated by plot.py at 2018-04-25 00:00:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.90 Mbit/s

95th percentile per-packet one-way delay: 223.903 ms

Loss rate: 0.76%

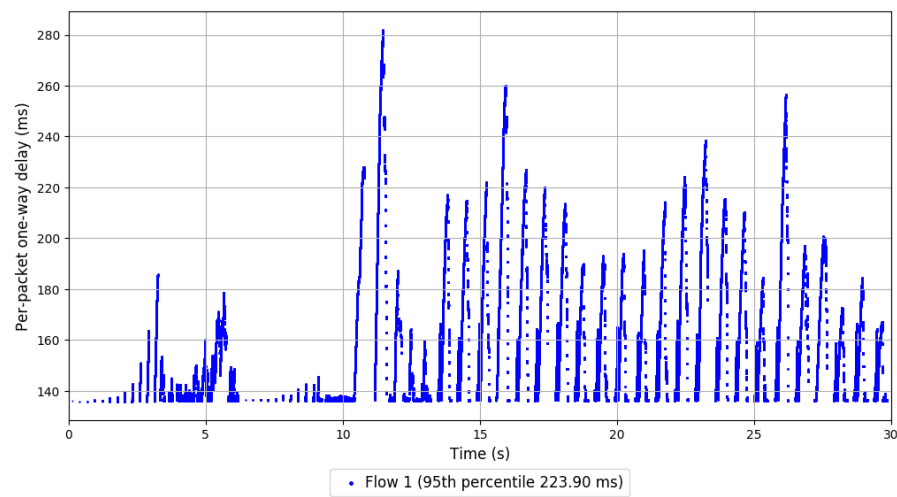
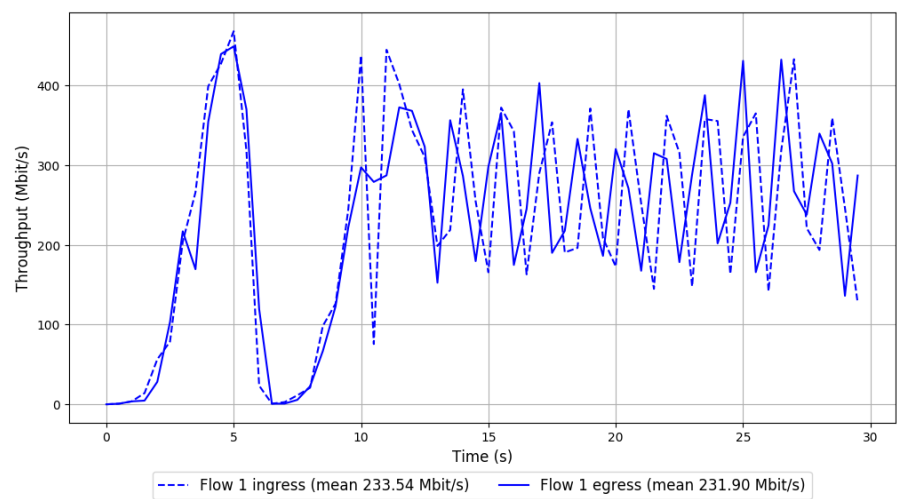
-- Flow 1:

Average throughput: 231.90 Mbit/s

95th percentile per-packet one-way delay: 223.903 ms

Loss rate: 0.76%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-24 20:14:22

End at: 2018-04-24 20:14:52

Below is generated by plot.py at 2018-04-25 00:00:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.75 Mbit/s

95th percentile per-packet one-way delay: 155.404 ms

Loss rate: 0.07%

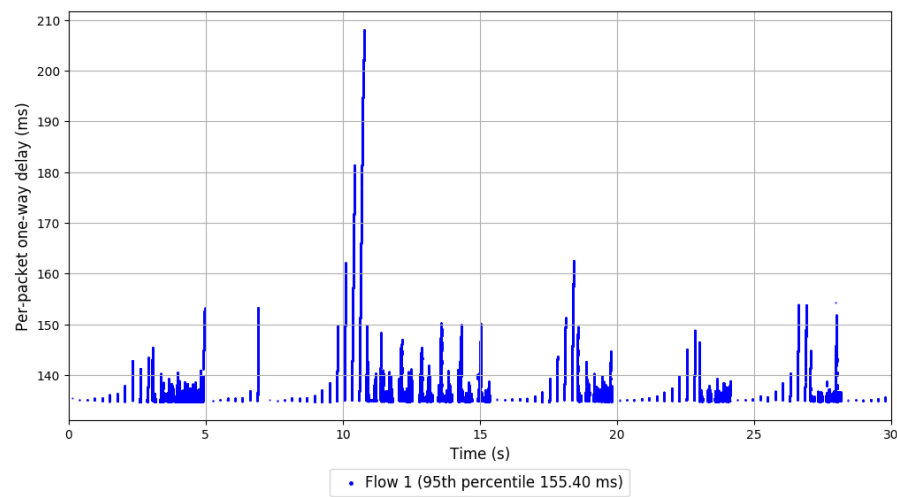
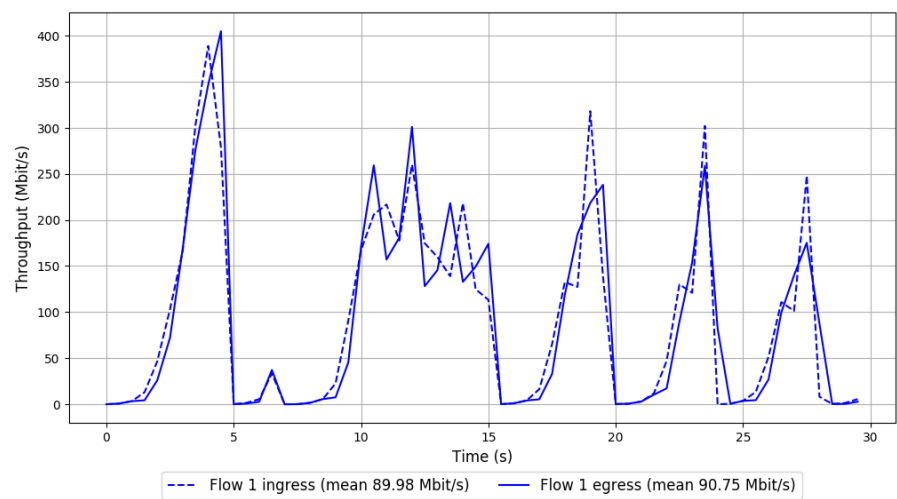
-- Flow 1:

Average throughput: 90.75 Mbit/s

95th percentile per-packet one-way delay: 155.404 ms

Loss rate: 0.07%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 20:28:07

End at: 2018-04-24 20:28:37

Below is generated by plot.py at 2018-04-25 00:00:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.08 Mbit/s

95th percentile per-packet one-way delay: 147.060 ms

Loss rate: 0.31%

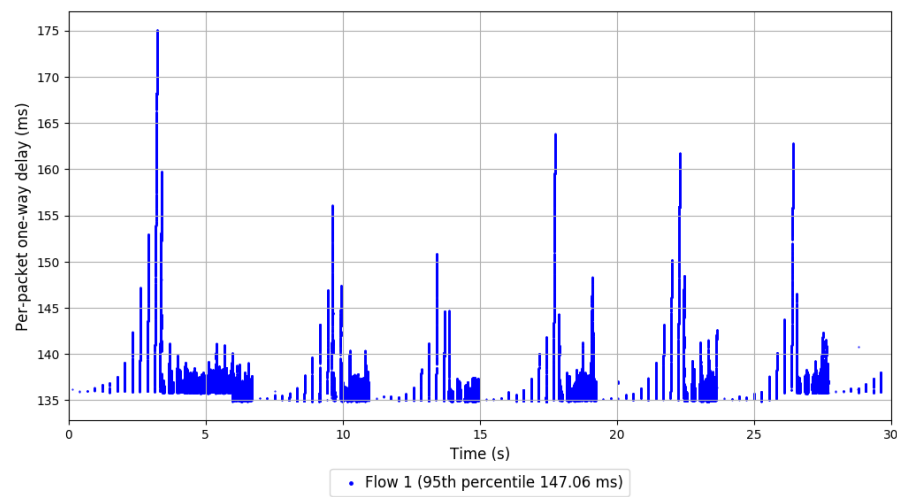
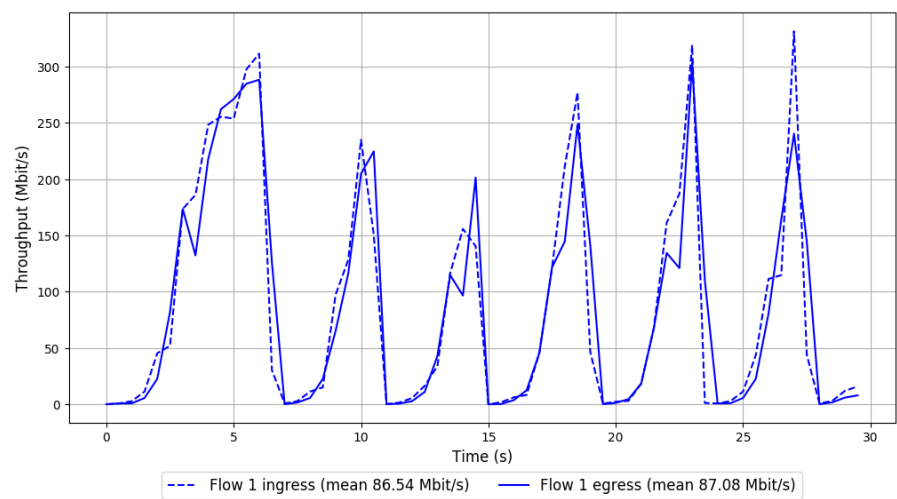
-- Flow 1:

Average throughput: 87.08 Mbit/s

95th percentile per-packet one-way delay: 147.060 ms

Loss rate: 0.31%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-24 20:42:42

End at: 2018-04-24 20:43:12

Below is generated by plot.py at 2018-04-25 00:00:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 114.59 Mbit/s

95th percentile per-packet one-way delay: 168.178 ms

Loss rate: 0.40%

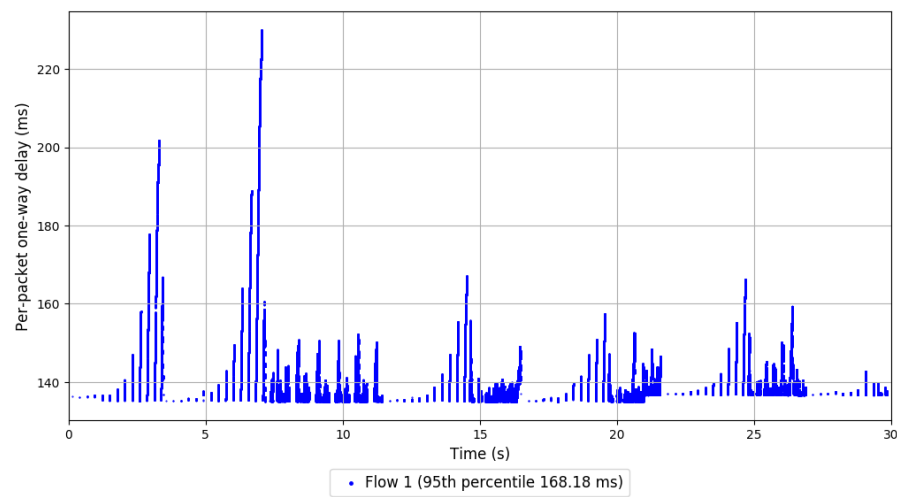
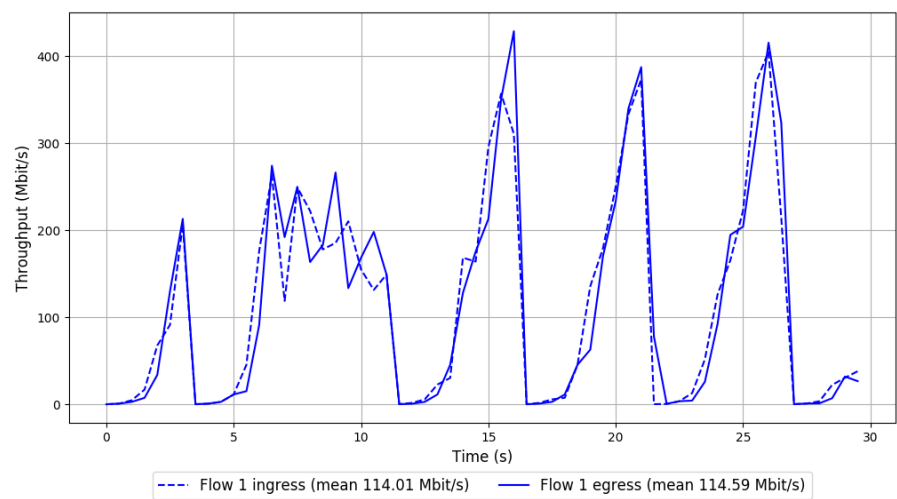
-- Flow 1:

Average throughput: 114.59 Mbit/s

95th percentile per-packet one-way delay: 168.178 ms

Loss rate: 0.40%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-24 20:57:08

End at: 2018-04-24 20:57:38

Below is generated by plot.py at 2018-04-25 00:00:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 146.786 ms

Loss rate: 4.21%

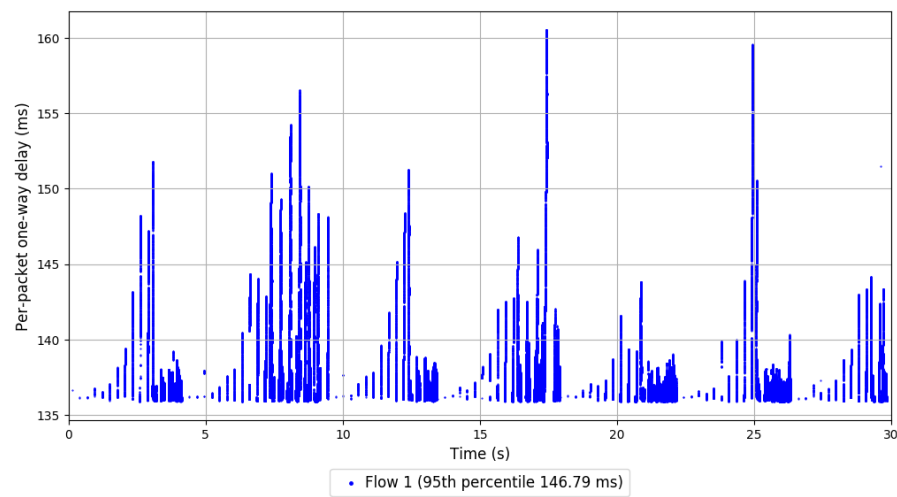
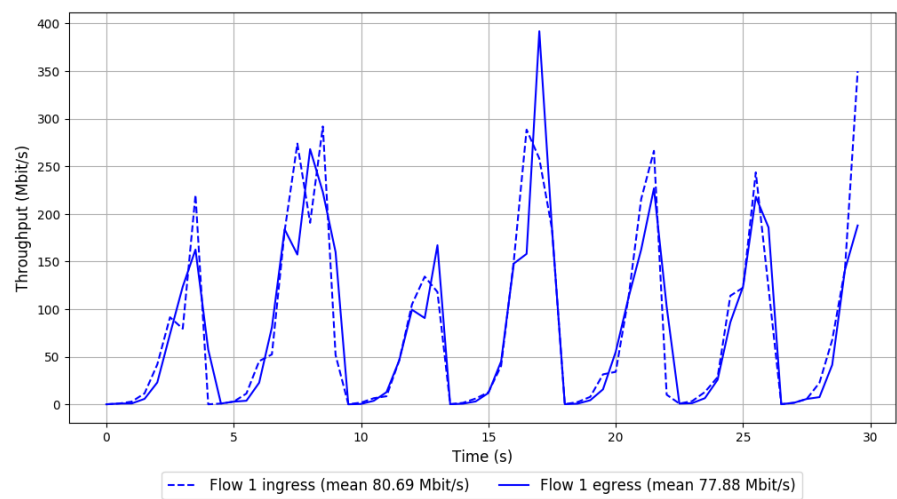
-- Flow 1:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 146.786 ms

Loss rate: 4.21%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-24 18:42:00

End at: 2018-04-24 18:42:30

Below is generated by plot.py at 2018-04-25 00:00:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.98 Mbit/s

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

Loss rate: 1.28%

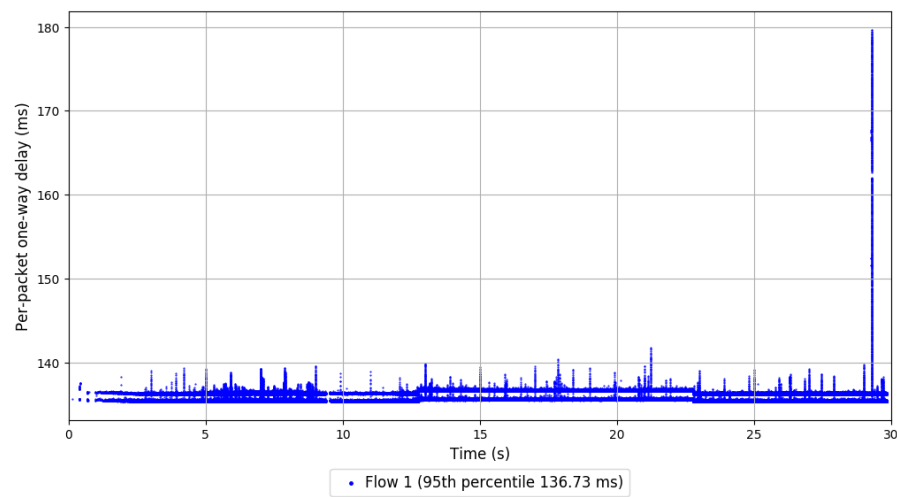
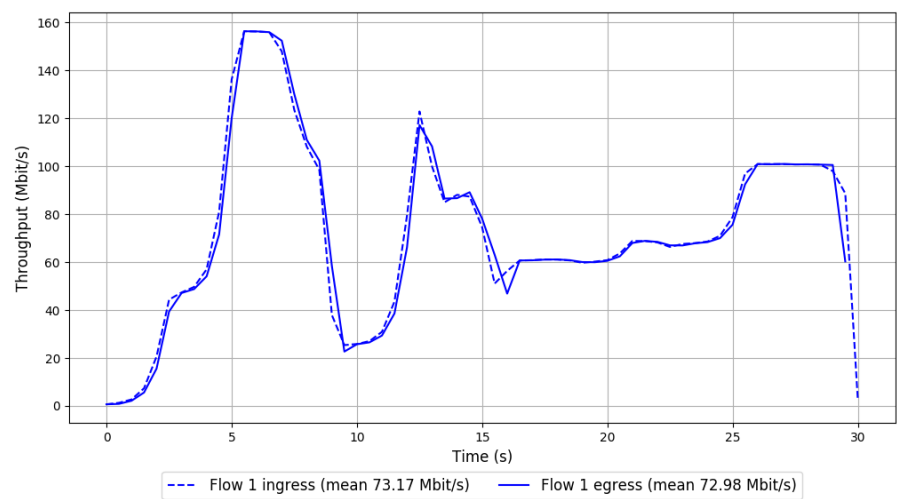
-- Flow 1:

Average throughput: 72.98 Mbit/s

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

Loss rate: 1.28%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-24 18:56:04

End at: 2018-04-24 18:56:34

Below is generated by plot.py at 2018-04-25 00:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.09 Mbit/s

95th percentile per-packet one-way delay: 136.223 ms

Loss rate: 0.56%

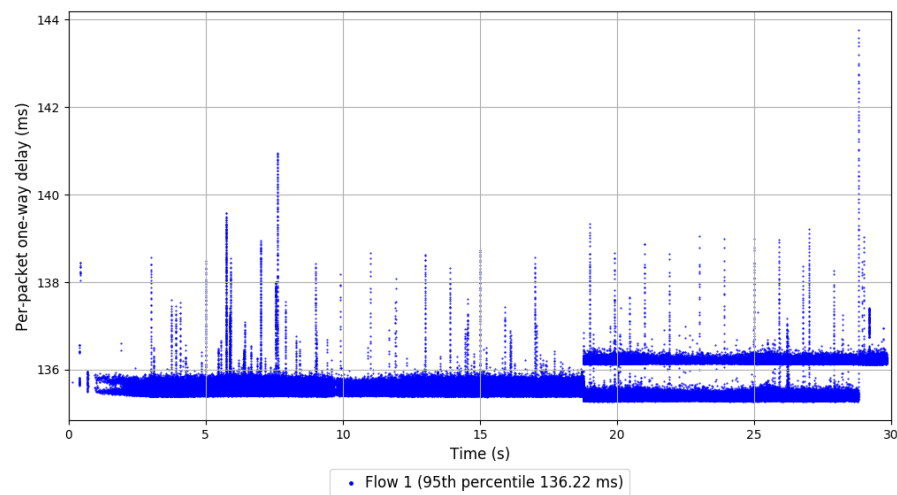
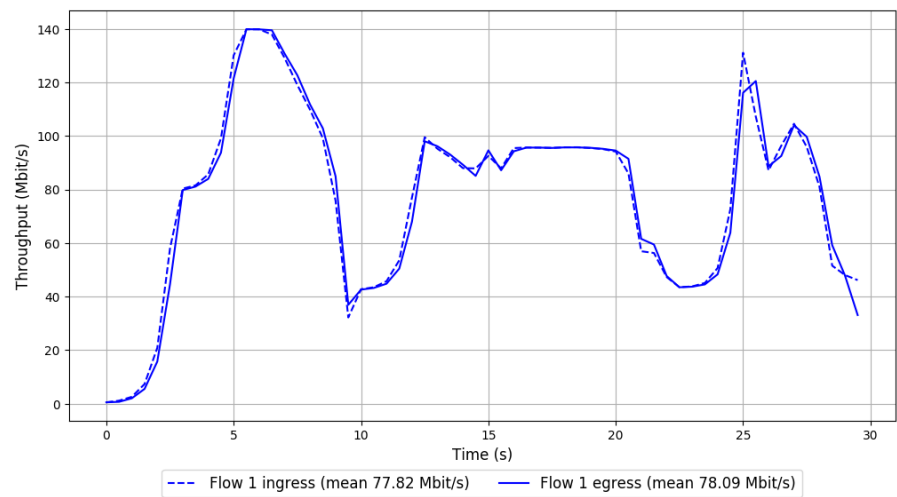
-- Flow 1:

Average throughput: 78.09 Mbit/s

95th percentile per-packet one-way delay: 136.223 ms

Loss rate: 0.56%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-24 19:10:42

End at: 2018-04-24 19:11:12

Below is generated by plot.py at 2018-04-25 00:01:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.31 Mbit/s

95th percentile per-packet one-way delay: 136.146 ms

Loss rate: 0.99%

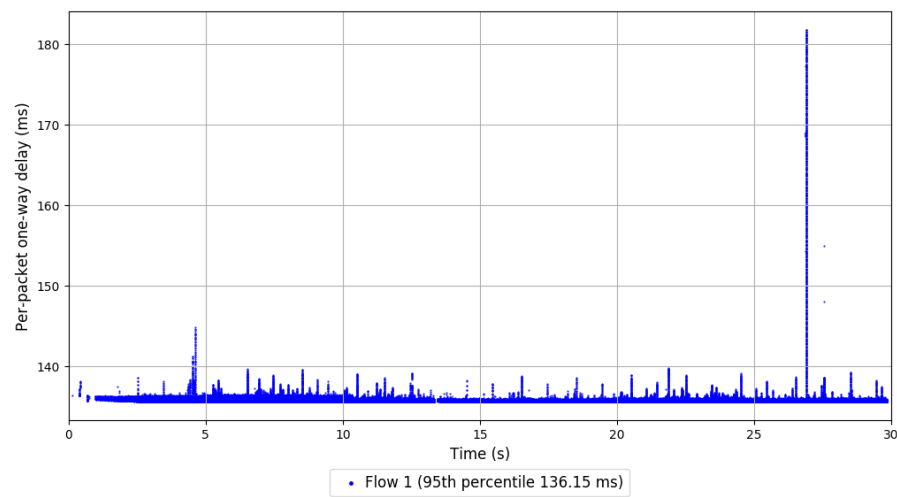
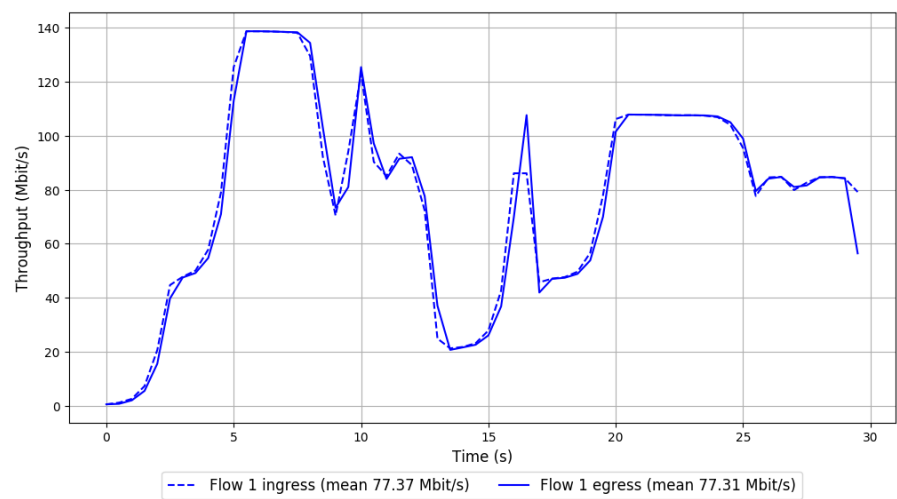
-- Flow 1:

Average throughput: 77.31 Mbit/s

95th percentile per-packet one-way delay: 136.146 ms

Loss rate: 0.99%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-24 19:25:12

End at: 2018-04-24 19:25:42

Below is generated by plot.py at 2018-04-25 00:01:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.95 Mbit/s

95th percentile per-packet one-way delay: 136.637 ms

Loss rate: 0.97%

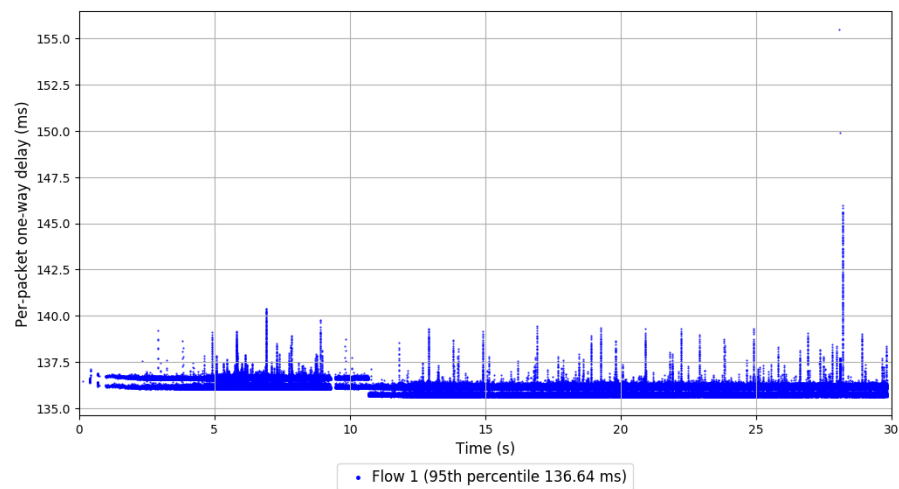
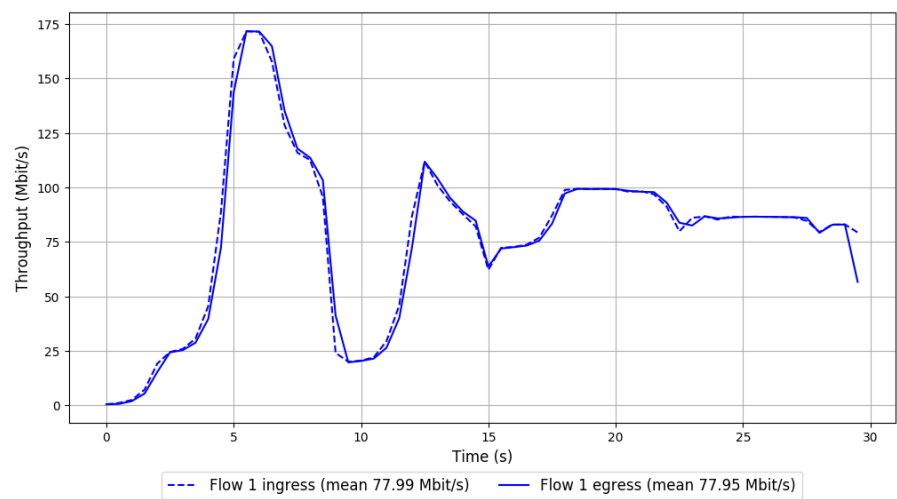
-- Flow 1:

Average throughput: 77.95 Mbit/s

95th percentile per-packet one-way delay: 136.637 ms

Loss rate: 0.97%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-24 19:39:25

End at: 2018-04-24 19:39:55

Below is generated by plot.py at 2018-04-25 00:01:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.73 Mbit/s

95th percentile per-packet one-way delay: 136.288 ms

Loss rate: 1.05%

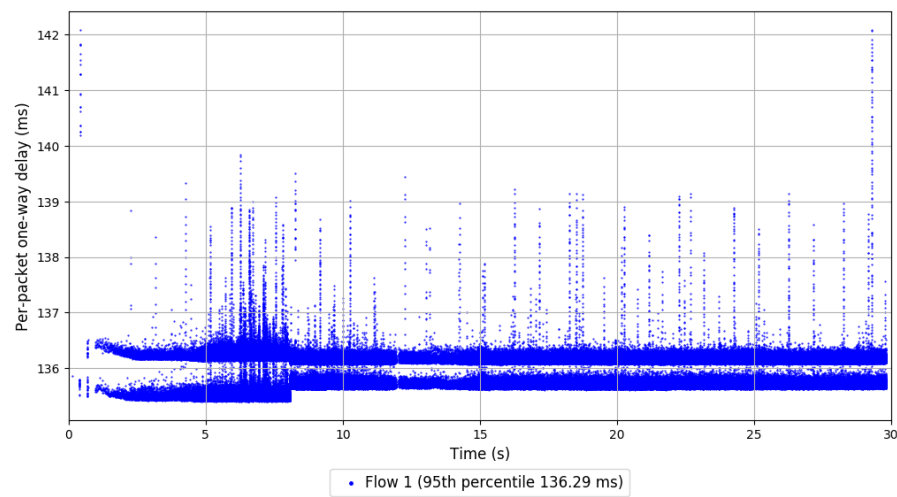
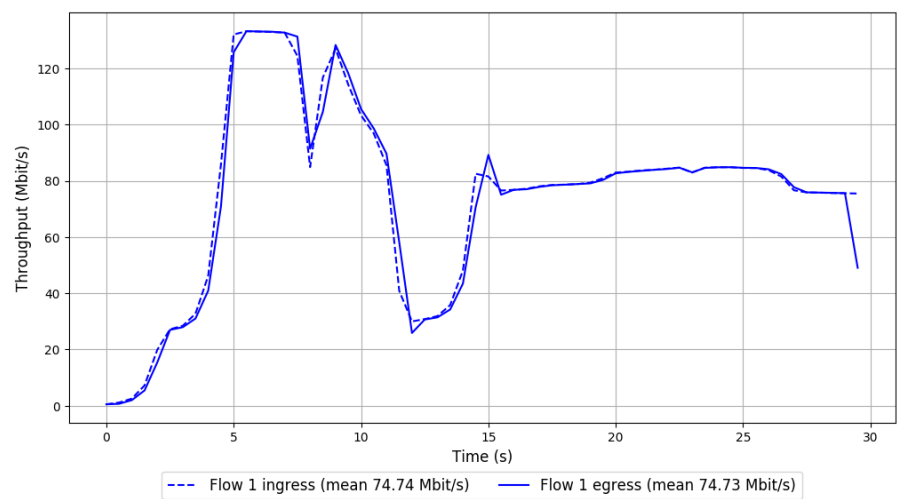
-- Flow 1:

Average throughput: 74.73 Mbit/s

95th percentile per-packet one-way delay: 136.288 ms

Loss rate: 1.05%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-24 19:54:07

End at: 2018-04-24 19:54:37

Below is generated by plot.py at 2018-04-25 00:01:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.84 Mbit/s

95th percentile per-packet one-way delay: 136.345 ms

Loss rate: 0.21%

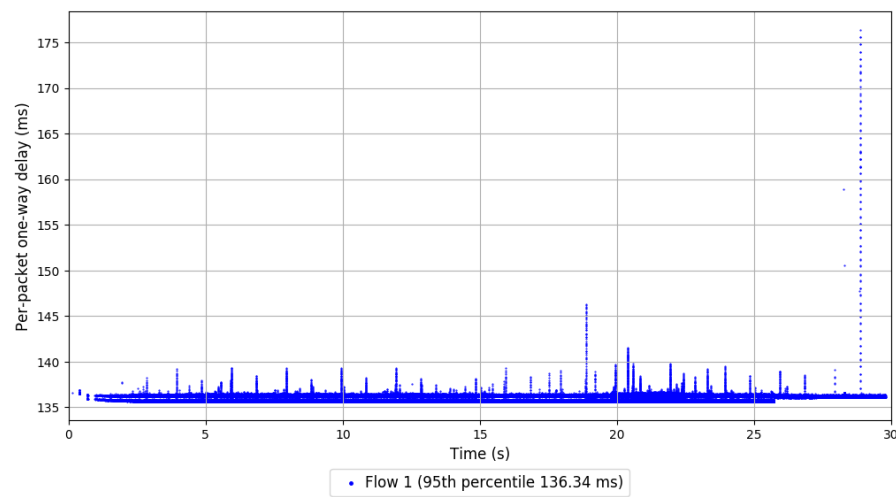
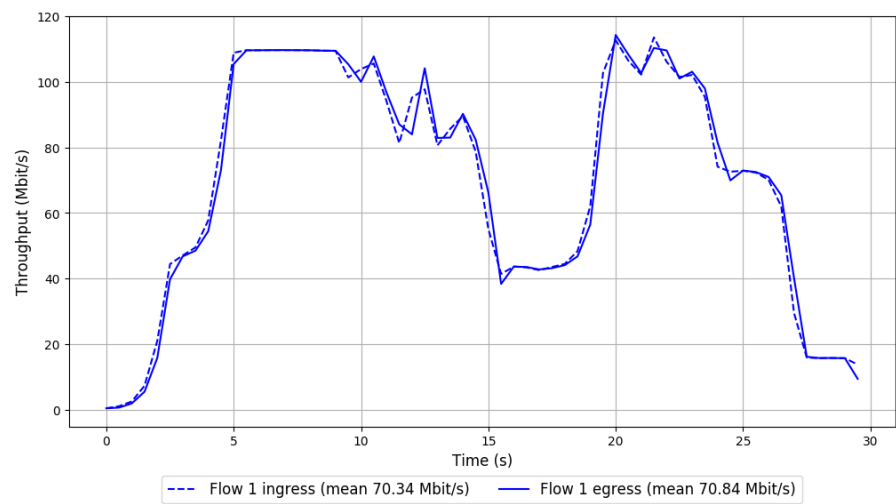
-- Flow 1:

Average throughput: 70.84 Mbit/s

95th percentile per-packet one-way delay: 136.345 ms

Loss rate: 0.21%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-24 20:08:29

End at: 2018-04-24 20:08:59

Below is generated by plot.py at 2018-04-25 00:02:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.31 Mbit/s

95th percentile per-packet one-way delay: 136.501 ms

Loss rate: 1.05%

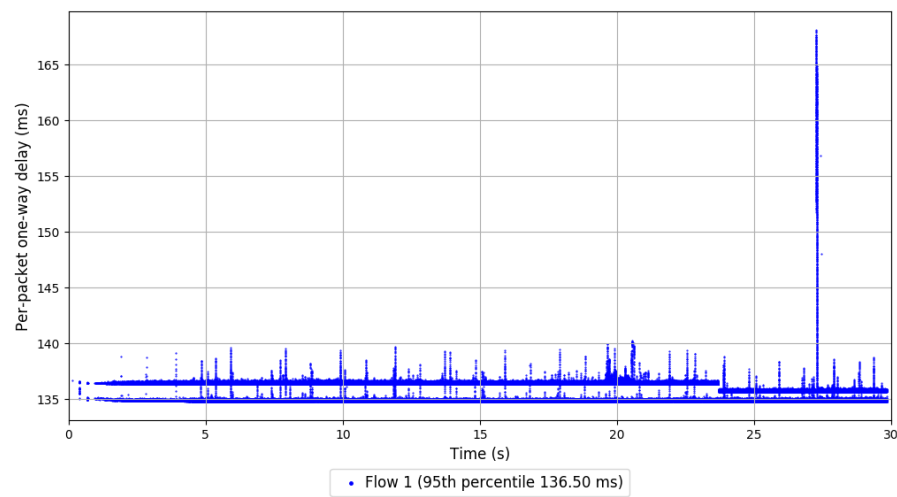
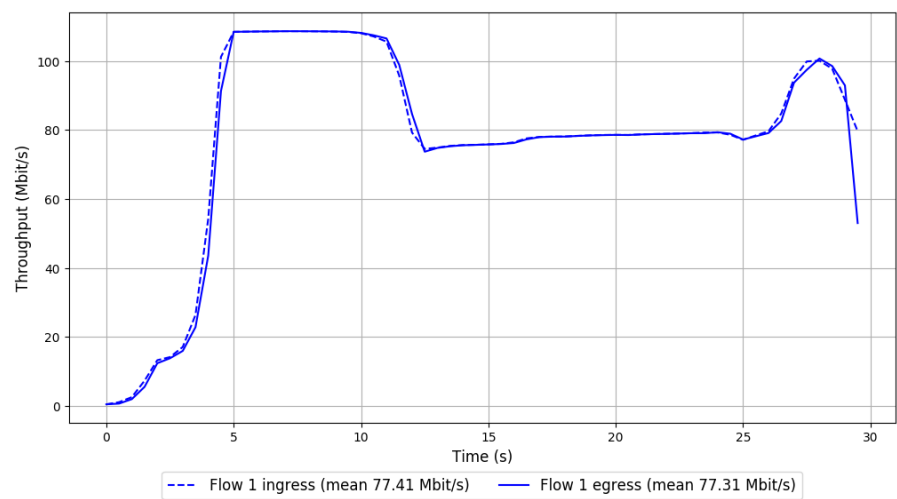
-- Flow 1:

Average throughput: 77.31 Mbit/s

95th percentile per-packet one-way delay: 136.501 ms

Loss rate: 1.05%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 20:22:45

End at: 2018-04-24 20:23:15

Below is generated by plot.py at 2018-04-25 00:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.73 Mbit/s

95th percentile per-packet one-way delay: 135.749 ms

Loss rate: 0.48%

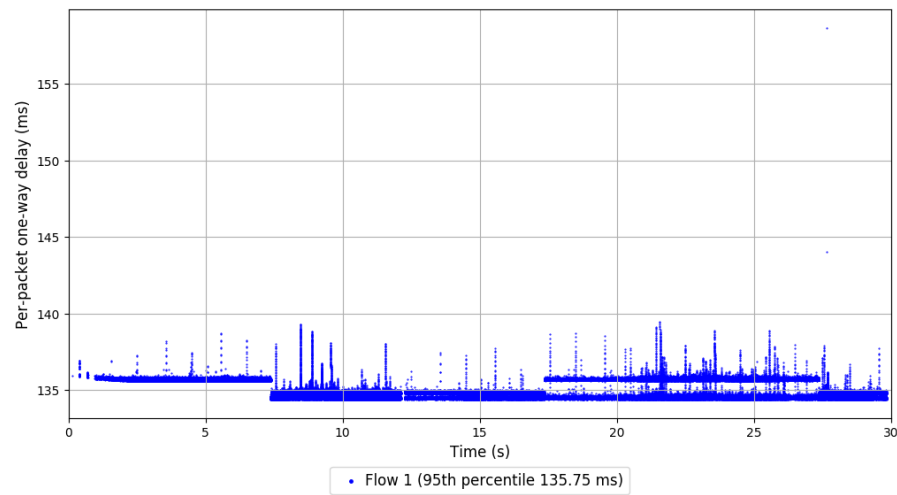
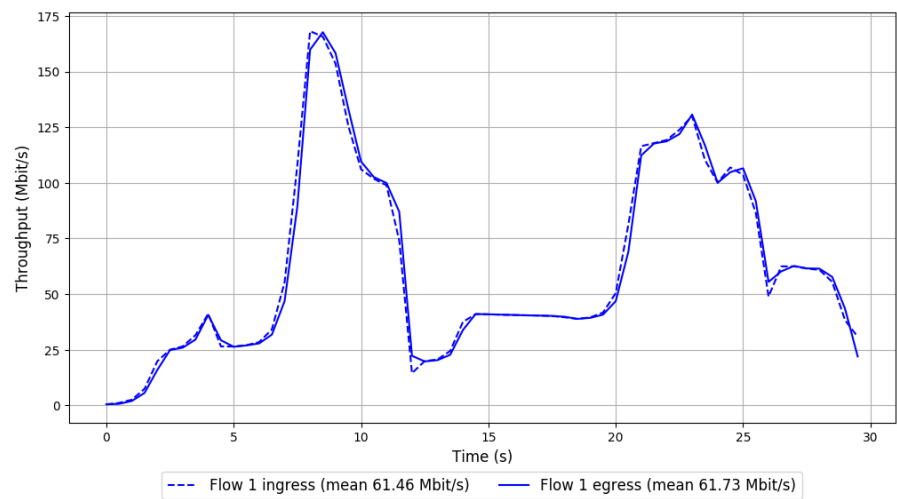
-- Flow 1:

Average throughput: 61.73 Mbit/s

95th percentile per-packet one-way delay: 135.749 ms

Loss rate: 0.48%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-24 20:36:48

End at: 2018-04-24 20:37:18

Below is generated by plot.py at 2018-04-25 00:03:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.08 Mbit/s

95th percentile per-packet one-way delay: 135.914 ms

Loss rate: 0.49%

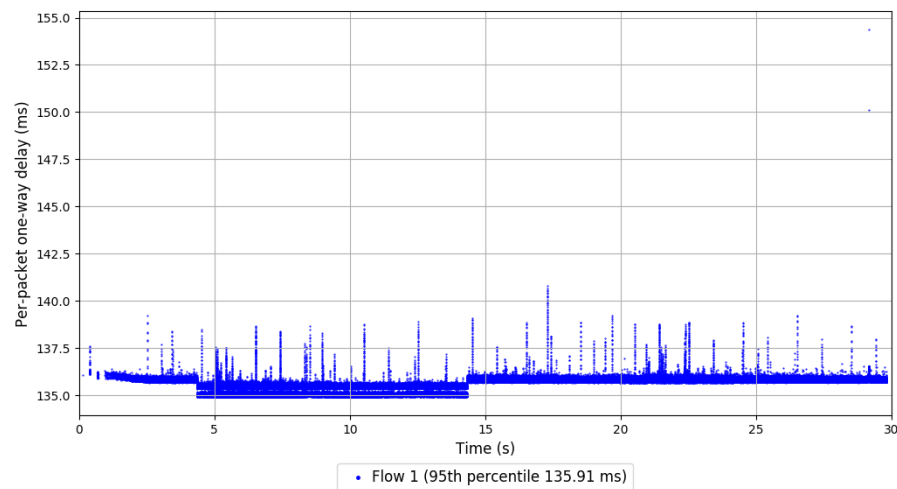
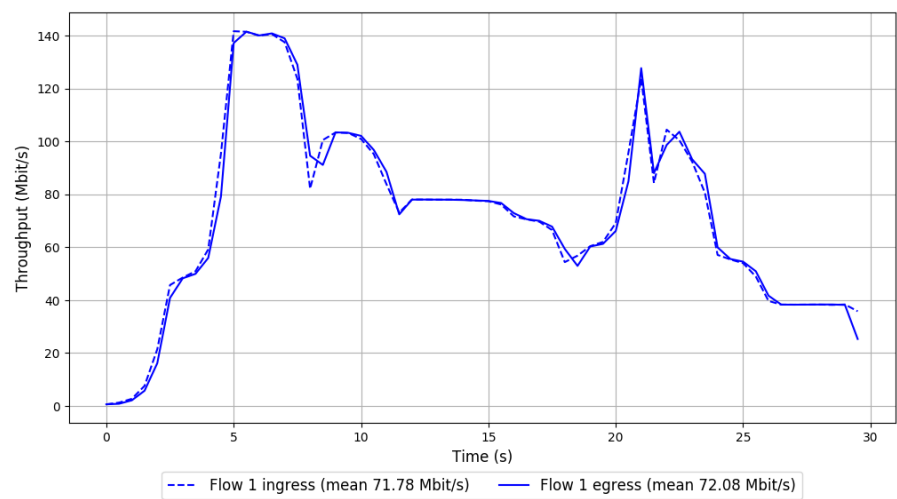
-- Flow 1:

Average throughput: 72.08 Mbit/s

95th percentile per-packet one-way delay: 135.914 ms

Loss rate: 0.49%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 20:51:19

End at: 2018-04-24 20:51:49

Below is generated by plot.py at 2018-04-25 00:03:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.49 Mbit/s

95th percentile per-packet one-way delay: 135.943 ms

Loss rate: 1.03%

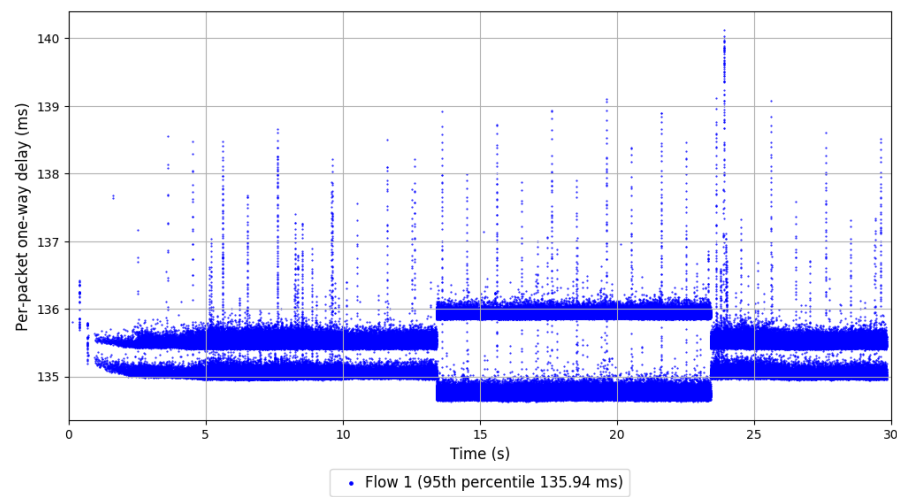
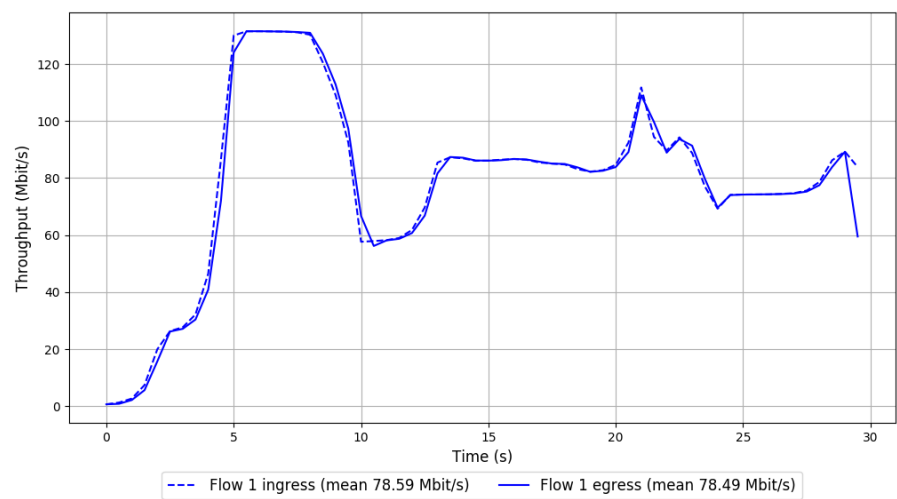
-- Flow 1:

Average throughput: 78.49 Mbit/s

95th percentile per-packet one-way delay: 135.943 ms

Loss rate: 1.03%

Run 10: Report of Copa — Data Link

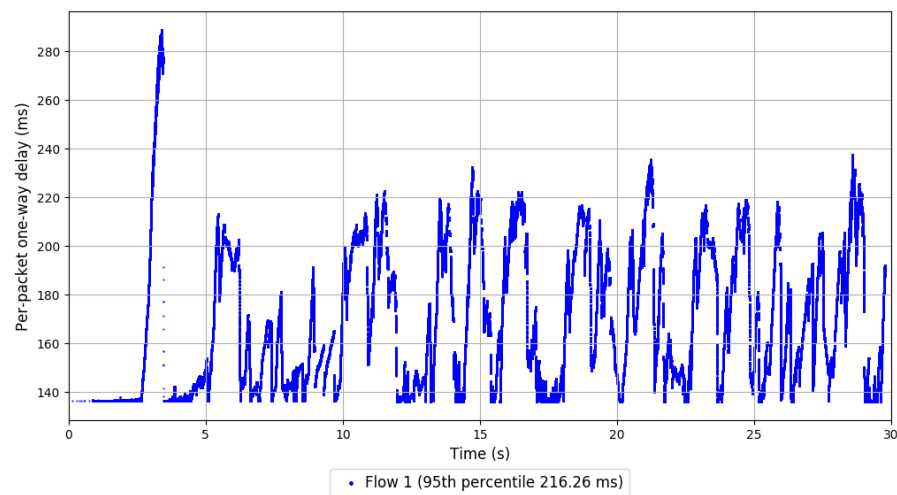
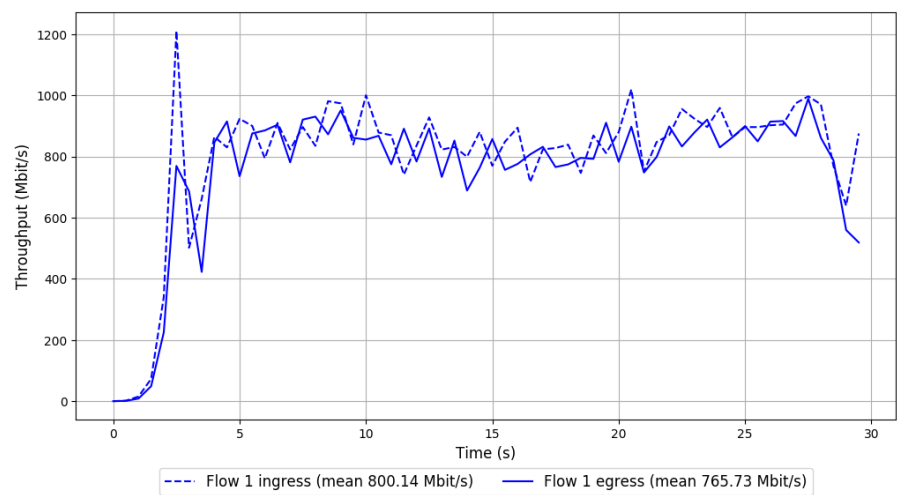


```
Run 1: Statistics of FillP

Start at: 2018-04-24 18:43:42
End at: 2018-04-24 18:44:12

# Below is generated by plot.py at 2018-04-25 00:14:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 765.73 Mbit/s
95th percentile per-packet one-way delay: 216.258 ms
Loss rate: 5.17%
-- Flow 1:
Average throughput: 765.73 Mbit/s
95th percentile per-packet one-way delay: 216.258 ms
Loss rate: 5.17%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-24 18:57:47

End at: 2018-04-24 18:58:17

Below is generated by plot.py at 2018-04-25 00:14:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 760.78 Mbit/s

95th percentile per-packet one-way delay: 217.529 ms

Loss rate: 5.11%

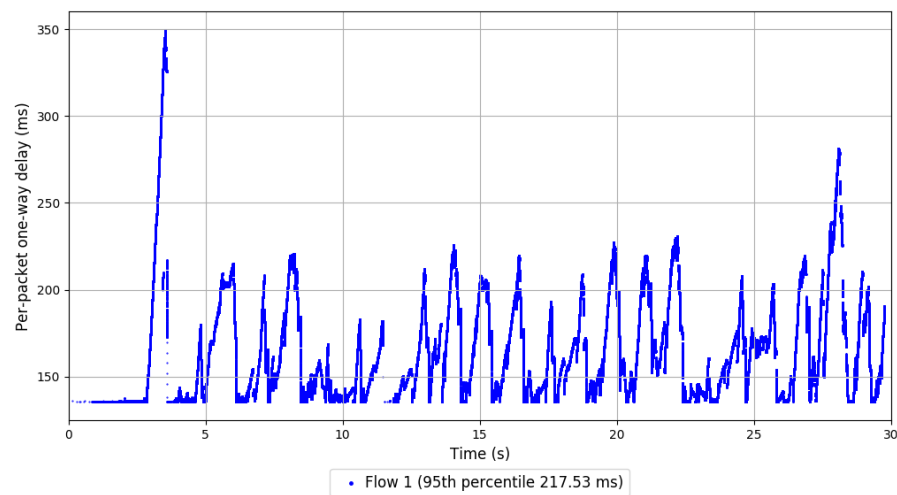
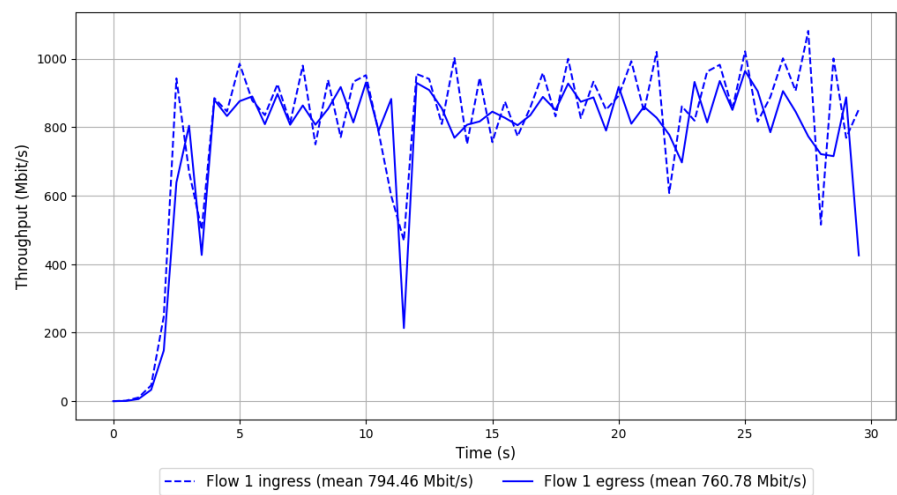
-- Flow 1:

Average throughput: 760.78 Mbit/s

95th percentile per-packet one-way delay: 217.529 ms

Loss rate: 5.11%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-24 19:12:25

End at: 2018-04-24 19:12:55

Below is generated by plot.py at 2018-04-25 00:15:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 774.40 Mbit/s

95th percentile per-packet one-way delay: 215.507 ms

Loss rate: 5.49%

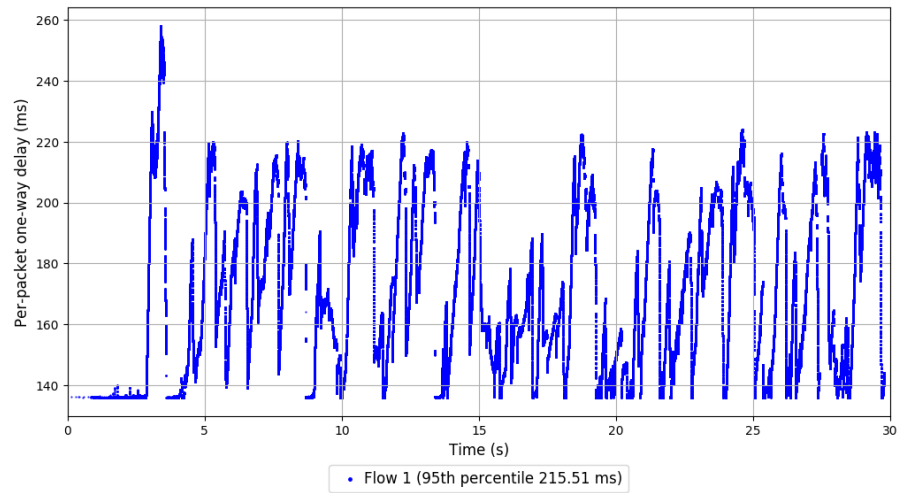
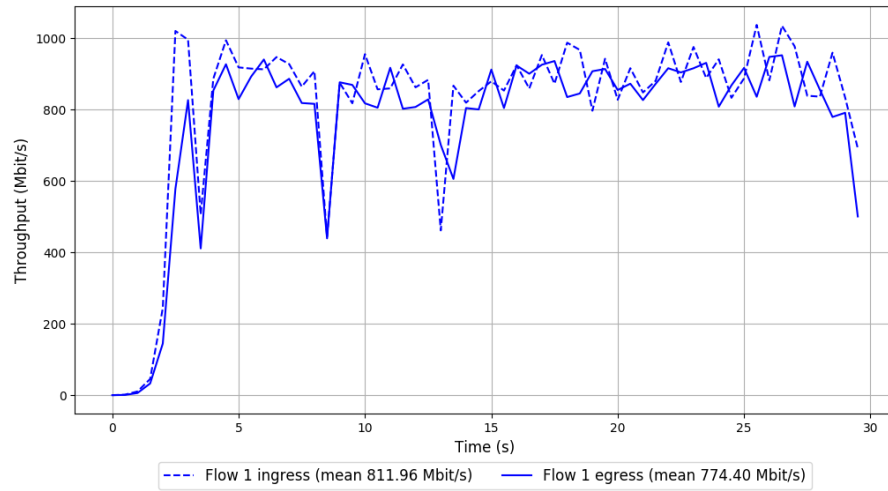
-- Flow 1:

Average throughput: 774.40 Mbit/s

95th percentile per-packet one-way delay: 215.507 ms

Loss rate: 5.49%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-24 19:26:55

End at: 2018-04-24 19:27:25

Below is generated by plot.py at 2018-04-25 00:15:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 754.67 Mbit/s

95th percentile per-packet one-way delay: 221.214 ms

Loss rate: 8.60%

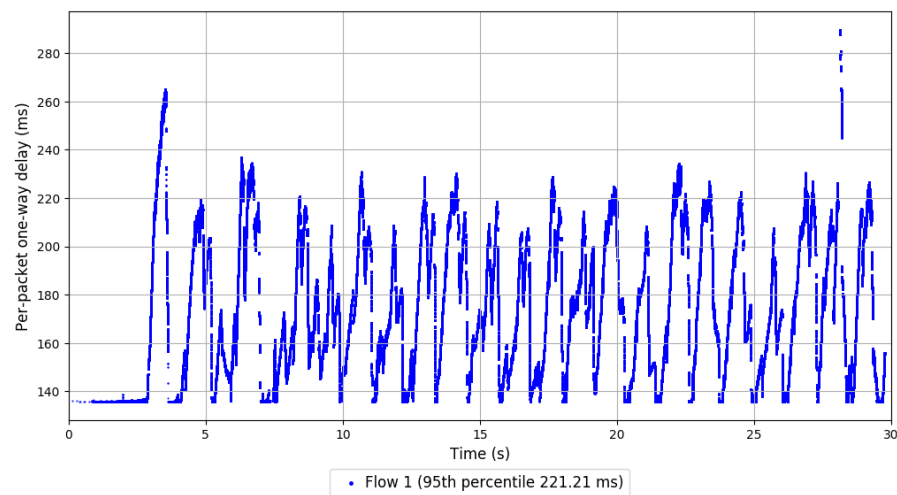
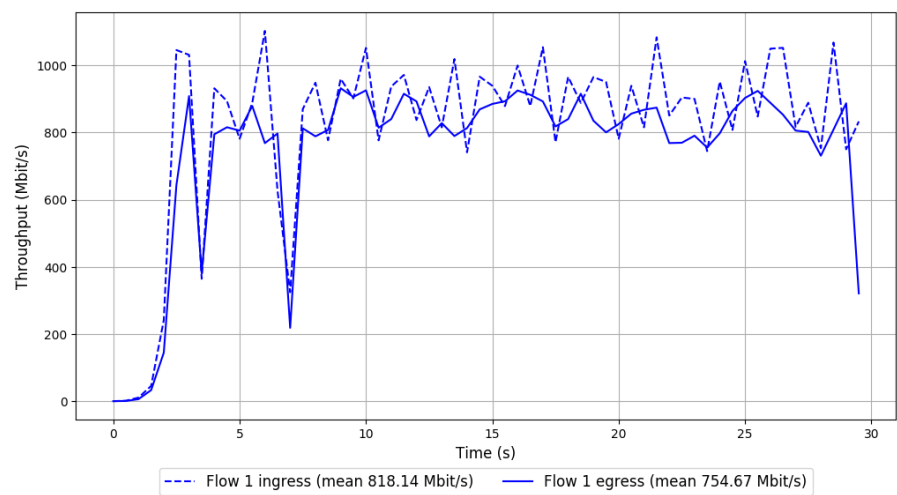
-- Flow 1:

Average throughput: 754.67 Mbit/s

95th percentile per-packet one-way delay: 221.214 ms

Loss rate: 8.60%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-24 19:41:10

End at: 2018-04-24 19:41:40

Below is generated by plot.py at 2018-04-25 00:15:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 756.43 Mbit/s

95th percentile per-packet one-way delay: 215.542 ms

Loss rate: 4.87%

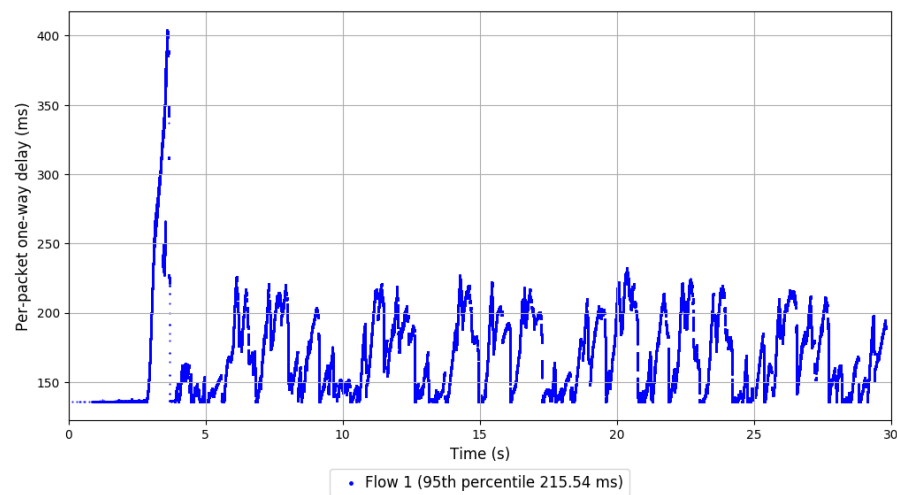
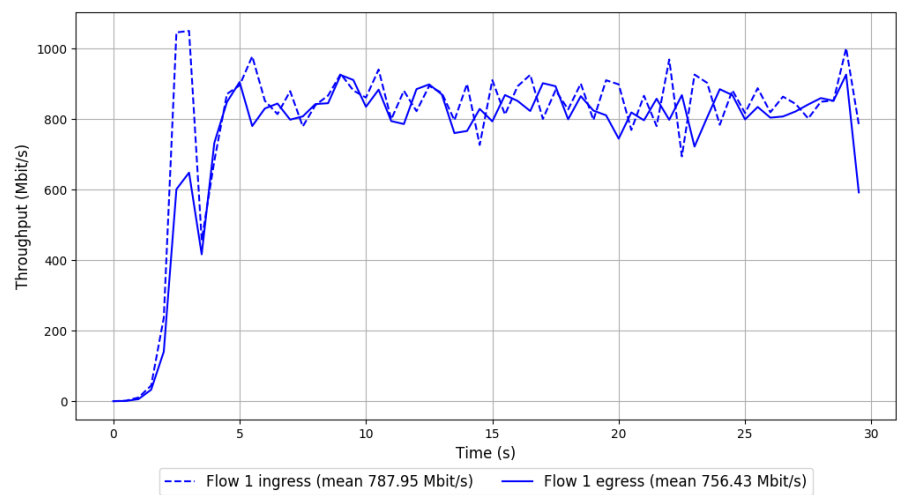
-- Flow 1:

Average throughput: 756.43 Mbit/s

95th percentile per-packet one-way delay: 215.542 ms

Loss rate: 4.87%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 19:55:52

End at: 2018-04-24 19:56:22

Below is generated by plot.py at 2018-04-25 00:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 755.65 Mbit/s

95th percentile per-packet one-way delay: 219.880 ms

Loss rate: 6.39%

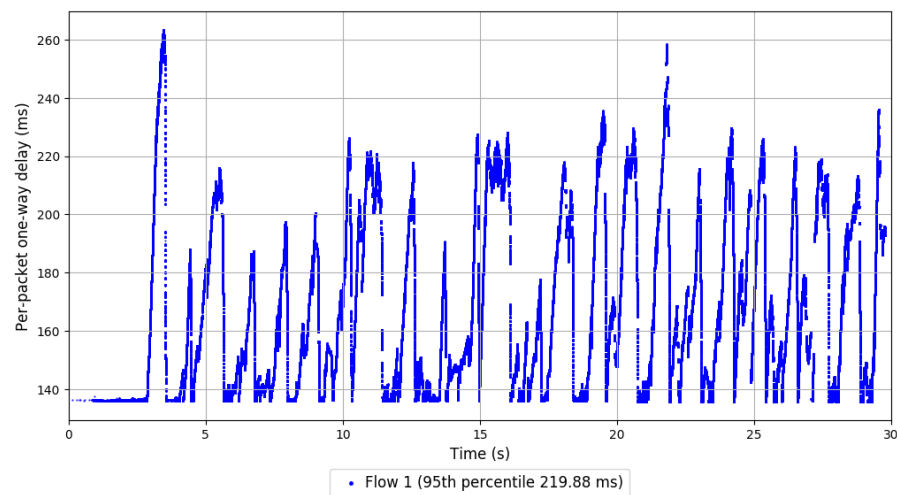
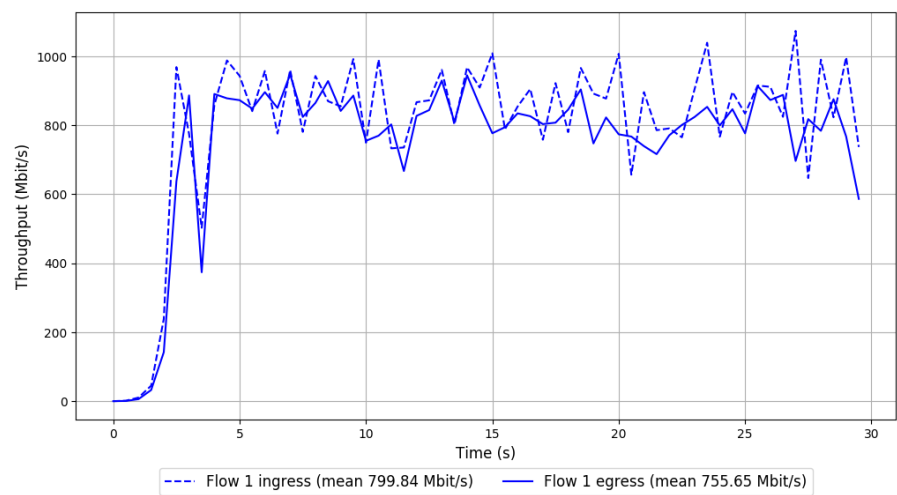
-- Flow 1:

Average throughput: 755.65 Mbit/s

95th percentile per-packet one-way delay: 219.880 ms

Loss rate: 6.39%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-24 20:10:15

End at: 2018-04-24 20:10:45

Below is generated by plot.py at 2018-04-25 00:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 754.86 Mbit/s

95th percentile per-packet one-way delay: 213.611 ms

Loss rate: 4.31%

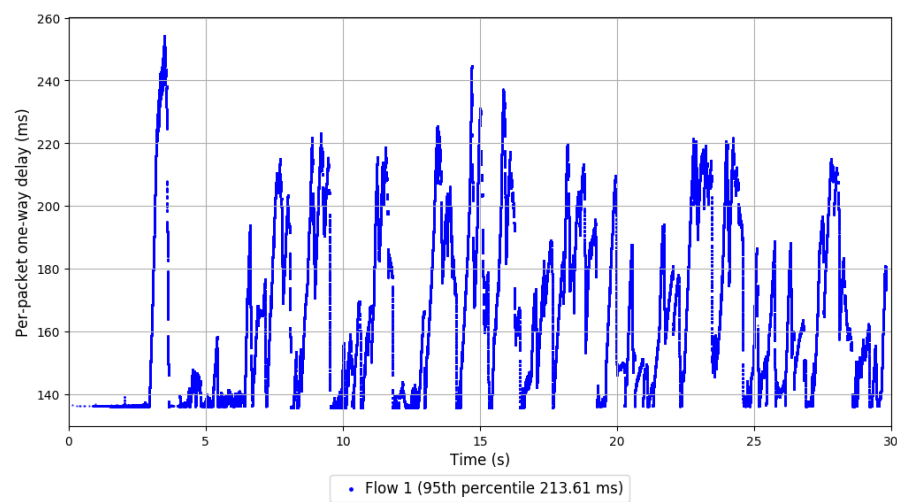
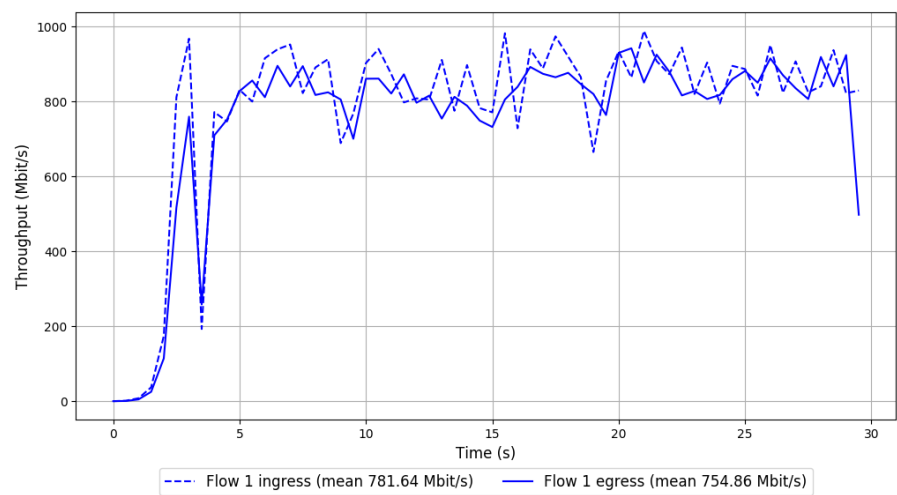
-- Flow 1:

Average throughput: 754.86 Mbit/s

95th percentile per-packet one-way delay: 213.611 ms

Loss rate: 4.31%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 20:24:26

End at: 2018-04-24 20:24:56

Below is generated by plot.py at 2018-04-25 00:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.01 Mbit/s

95th percentile per-packet one-way delay: 348.716 ms

Loss rate: 11.79%

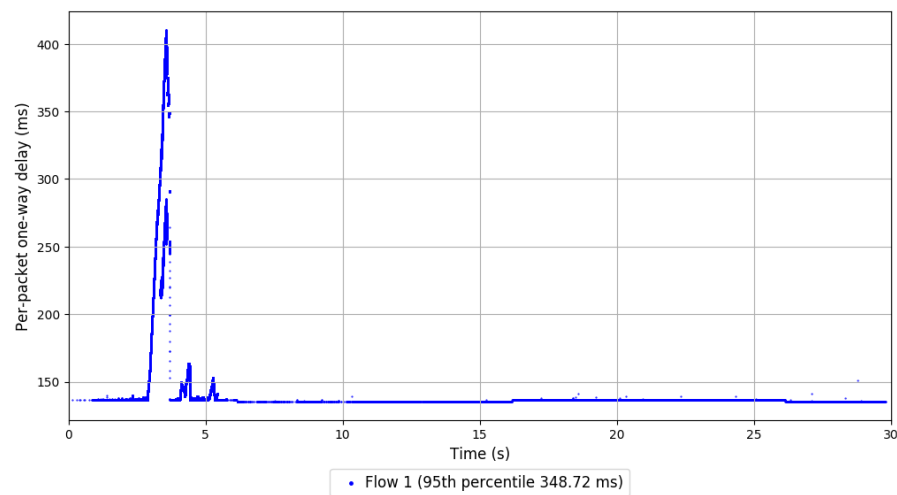
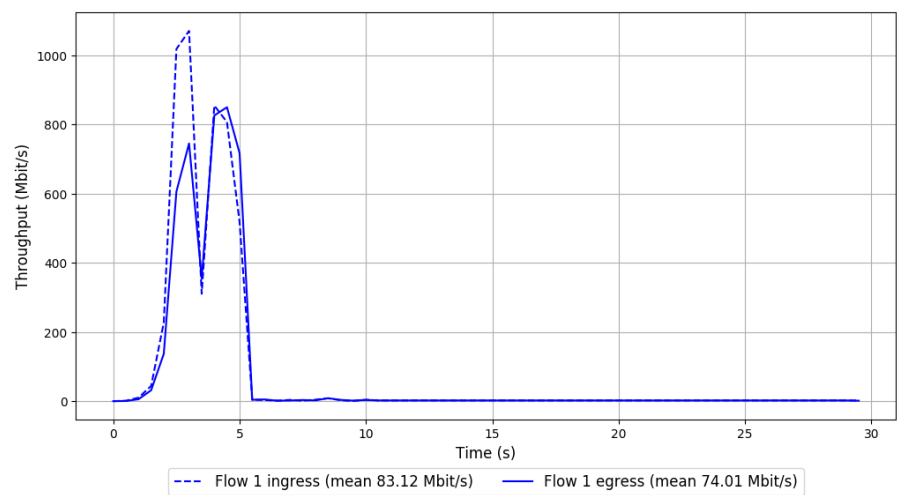
-- Flow 1:

Average throughput: 74.01 Mbit/s

95th percentile per-packet one-way delay: 348.716 ms

Loss rate: 11.79%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-24 20:38:34

End at: 2018-04-24 20:39:04

Below is generated by plot.py at 2018-04-25 00:18:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 735.96 Mbit/s

95th percentile per-packet one-way delay: 219.600 ms

Loss rate: 7.53%

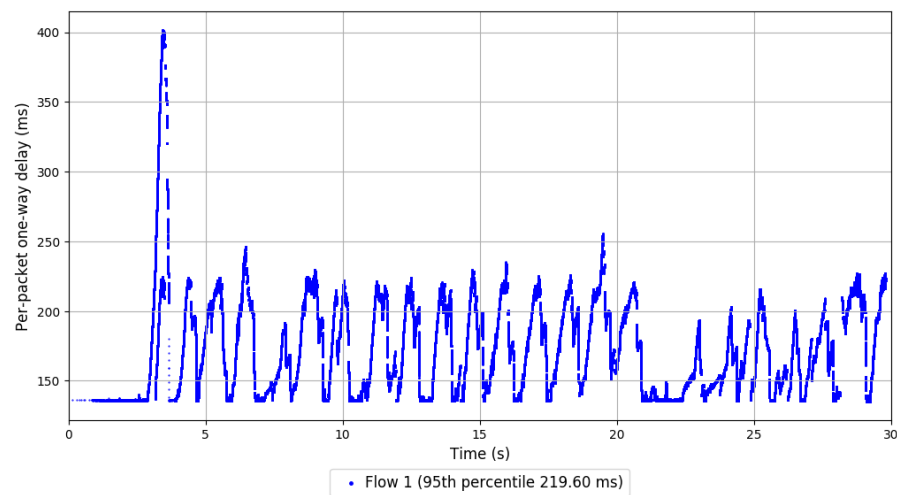
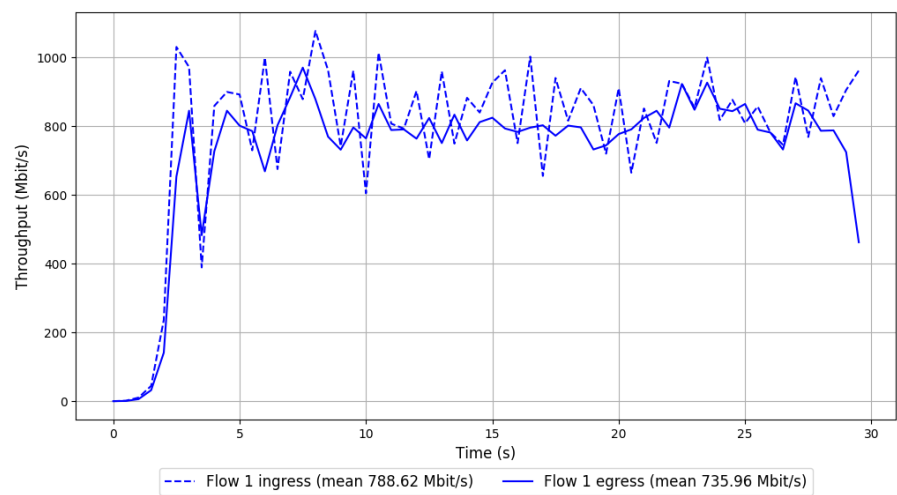
-- Flow 1:

Average throughput: 735.96 Mbit/s

95th percentile per-packet one-way delay: 219.600 ms

Loss rate: 7.53%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 20:53:03

End at: 2018-04-24 20:53:33

Below is generated by plot.py at 2018-04-25 00:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 722.39 Mbit/s

95th percentile per-packet one-way delay: 221.408 ms

Loss rate: 6.54%

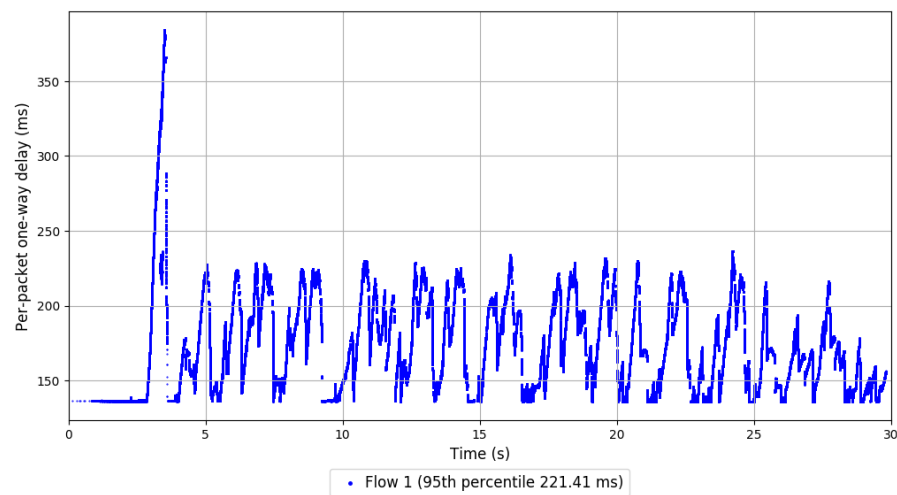
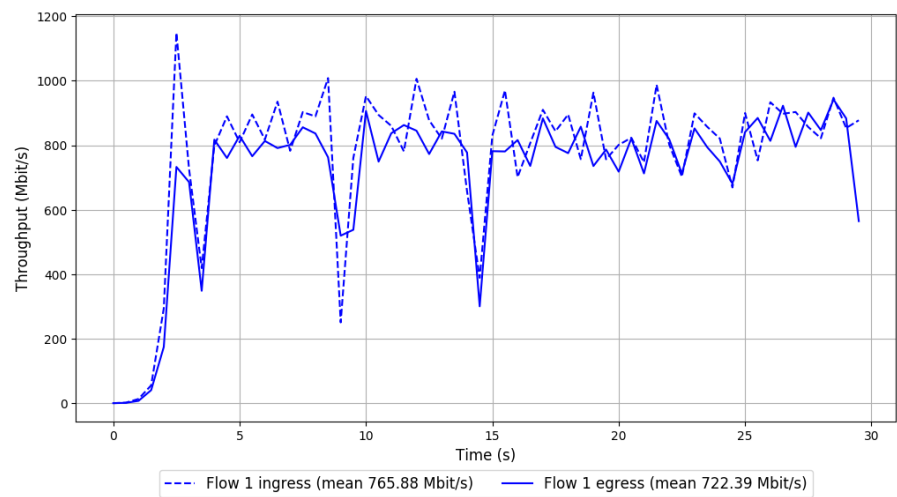
-- Flow 1:

Average throughput: 722.39 Mbit/s

95th percentile per-packet one-way delay: 221.408 ms

Loss rate: 6.54%

Run 10: Report of FillP — Data Link

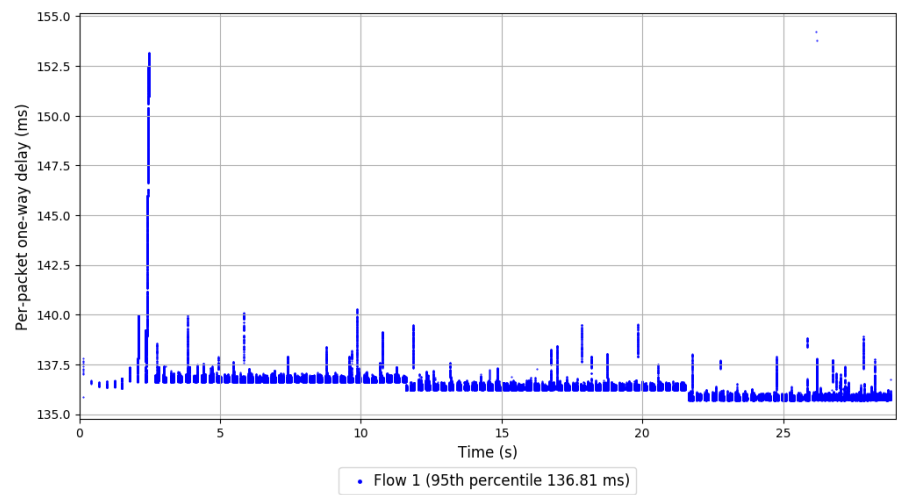
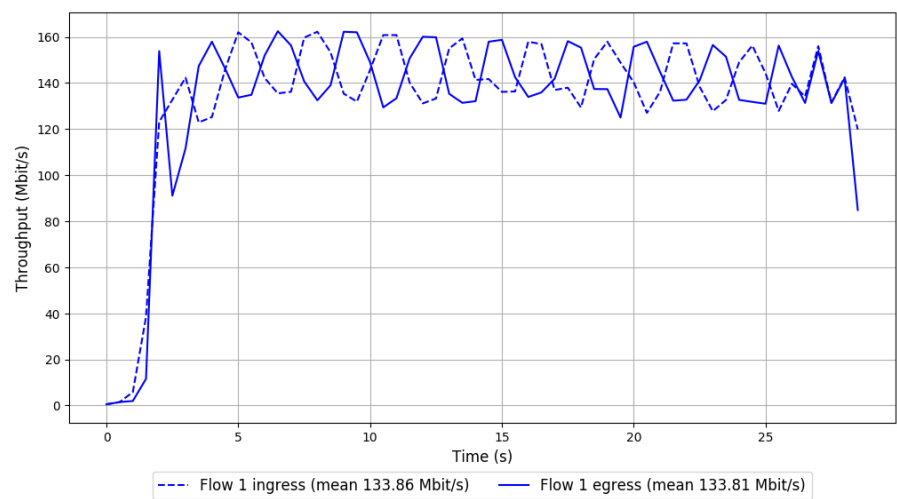


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 18:42:50
End at: 2018-04-24 18:43:20

# Below is generated by plot.py at 2018-04-25 00:26:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.81 Mbit/s
95th percentile per-packet one-way delay: 136.812 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 133.81 Mbit/s
95th percentile per-packet one-way delay: 136.812 ms
Loss rate: 0.97%
```

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

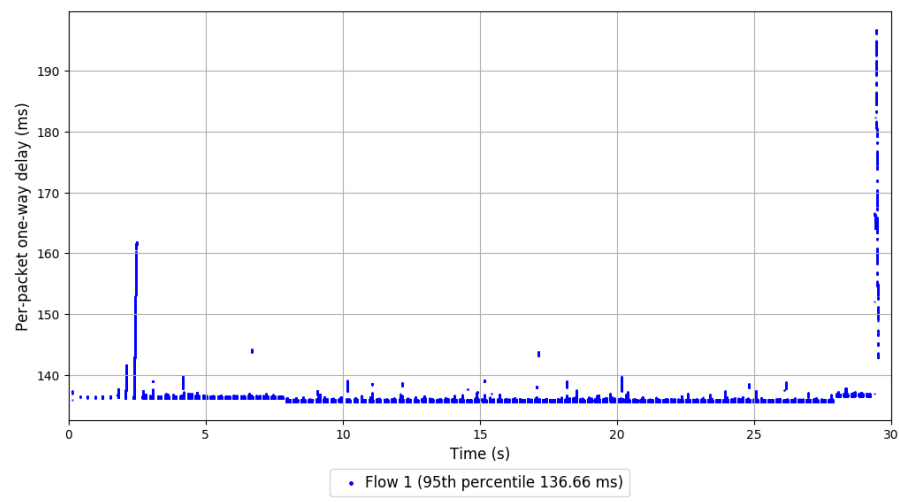
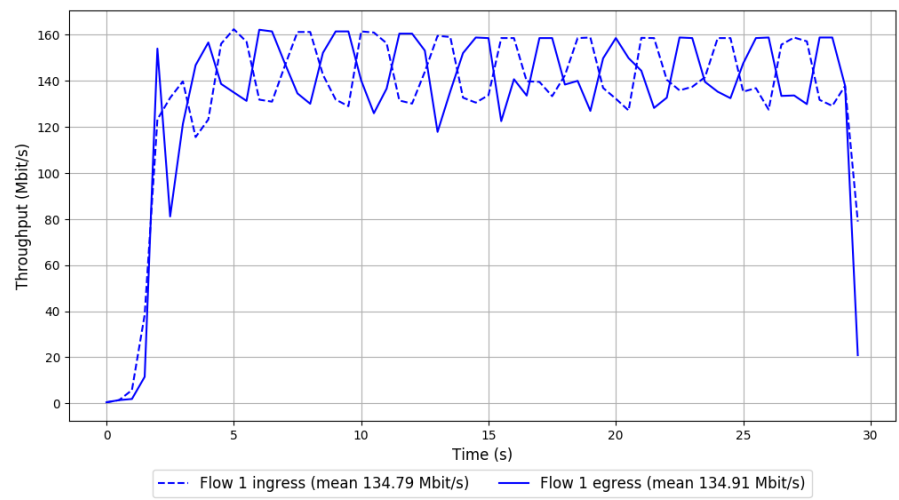


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 18:56:55
End at: 2018-04-24 18:57:25

# Below is generated by plot.py at 2018-04-25 00:26:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.91 Mbit/s
95th percentile per-packet one-way delay: 136.656 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 134.91 Mbit/s
95th percentile per-packet one-way delay: 136.656 ms
Loss rate: 0.98%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 19:11:33

End at: 2018-04-24 19:12:03

Below is generated by plot.py at 2018-04-25 00:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.64 Mbit/s

95th percentile per-packet one-way delay: 136.039 ms

Loss rate: 0.94%

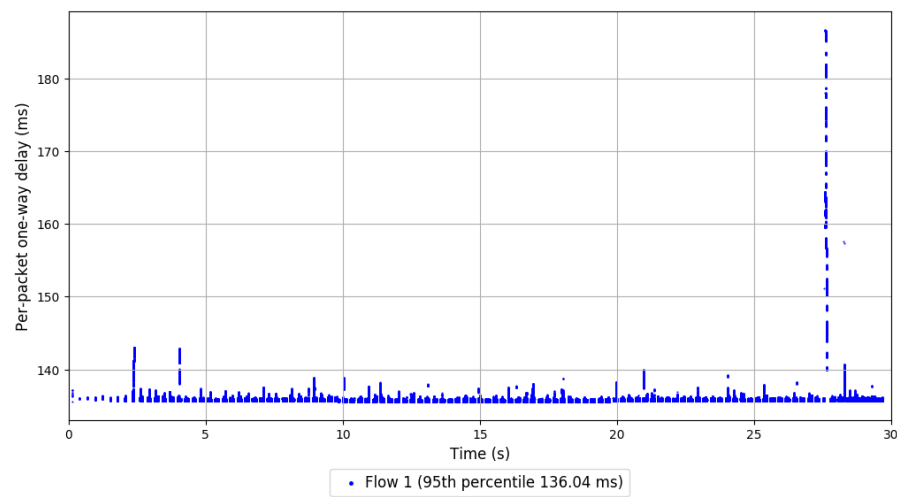
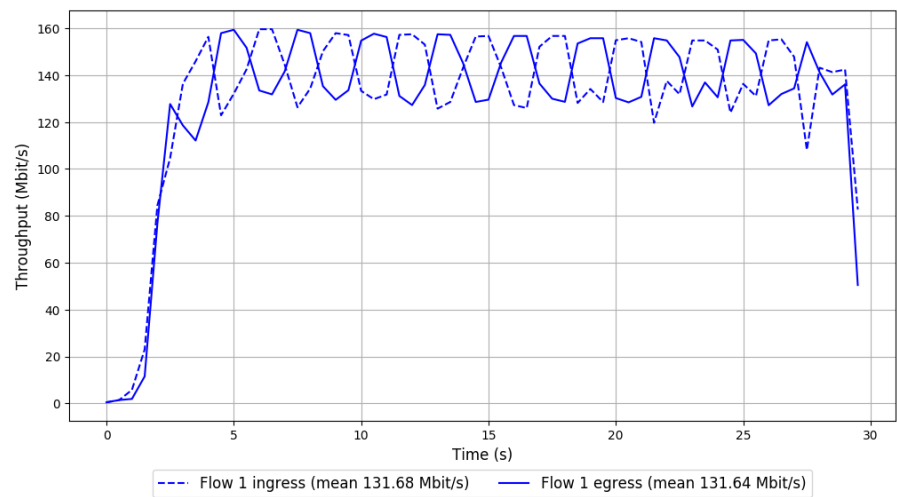
-- Flow 1:

Average throughput: 131.64 Mbit/s

95th percentile per-packet one-way delay: 136.039 ms

Loss rate: 0.94%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 19:26:03

End at: 2018-04-24 19:26:33

Below is generated by plot.py at 2018-04-25 00:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.51 Mbit/s

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

Loss rate: 0.97%

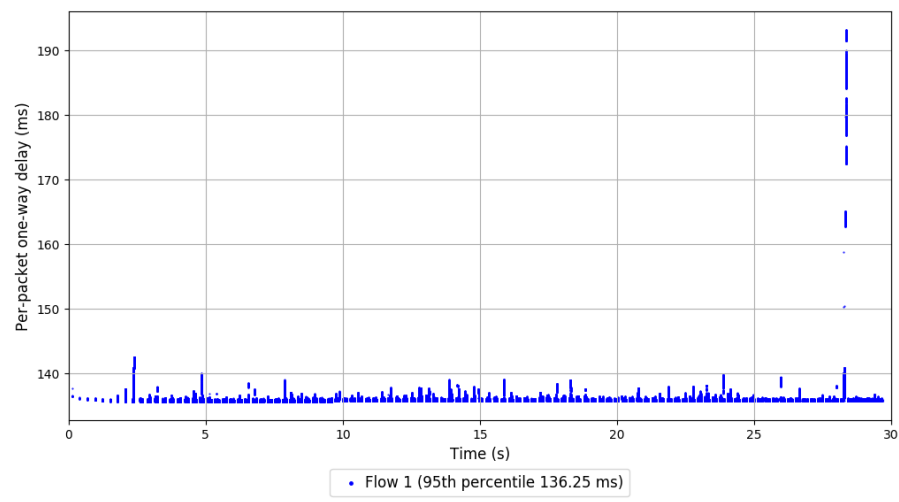
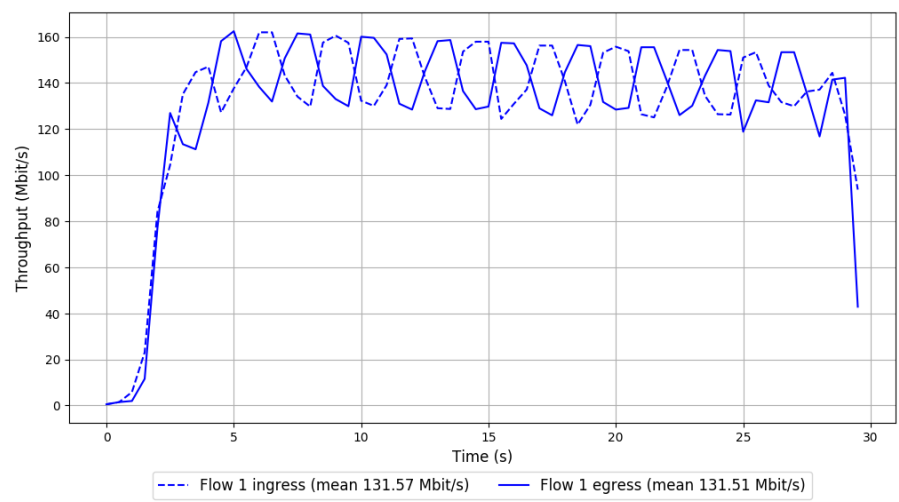
-- Flow 1:

Average throughput: 131.51 Mbit/s

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

Loss rate: 0.97%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 19:40:14

End at: 2018-04-24 19:40:45

Below is generated by plot.py at 2018-04-25 00:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.21 Mbit/s

95th percentile per-packet one-way delay: 136.591 ms

Loss rate: 0.91%

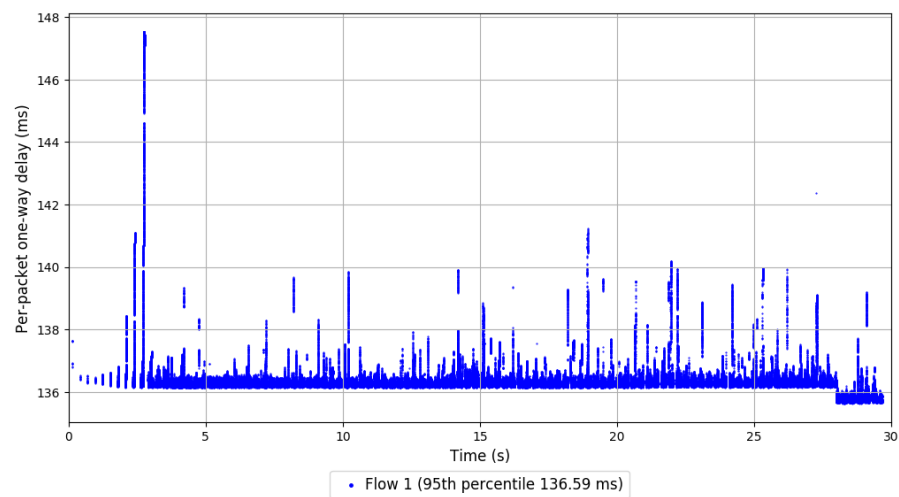
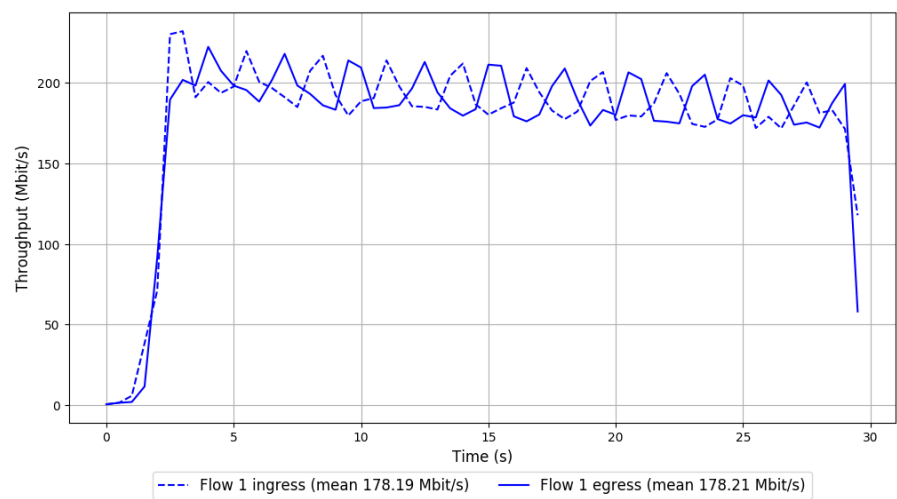
-- Flow 1:

Average throughput: 178.21 Mbit/s

95th percentile per-packet one-way delay: 136.591 ms

Loss rate: 0.91%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 19:54:57

End at: 2018-04-24 19:55:27

Below is generated by plot.py at 2018-04-25 00:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.32 Mbit/s

95th percentile per-packet one-way delay: 136.468 ms

Loss rate: 0.91%

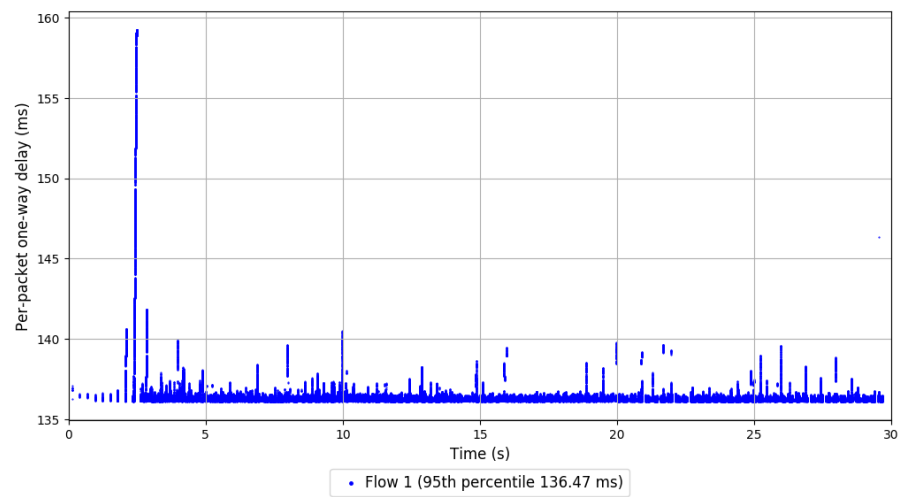
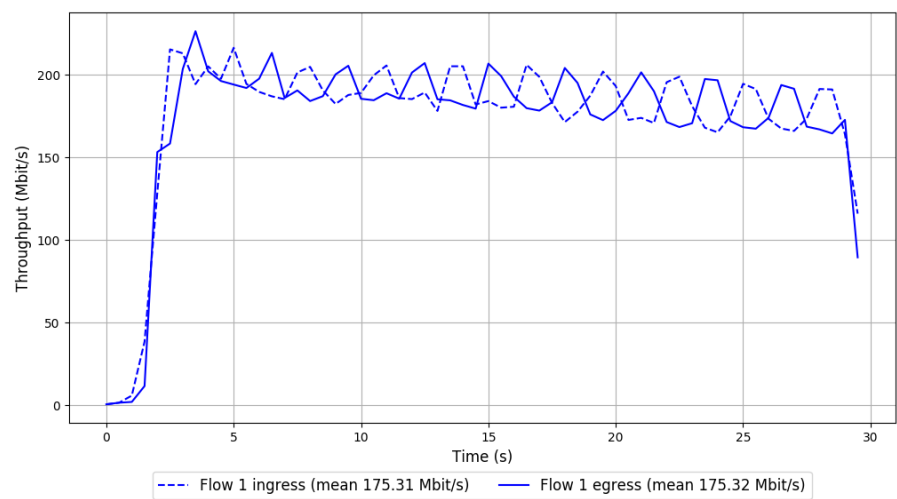
-- Flow 1:

Average throughput: 175.32 Mbit/s

95th percentile per-packet one-way delay: 136.468 ms

Loss rate: 0.91%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 20:09:20

End at: 2018-04-24 20:09:50

Below is generated by plot.py at 2018-04-25 00:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.97 Mbit/s

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

Loss rate: 0.90%

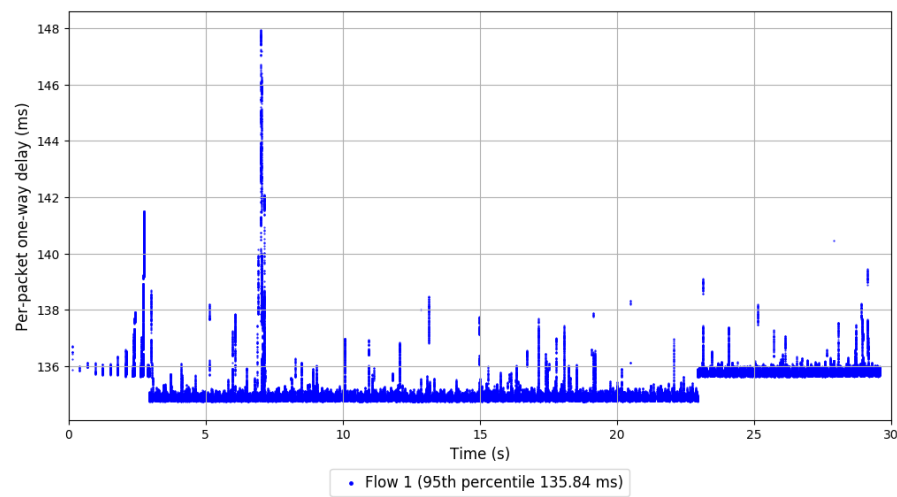
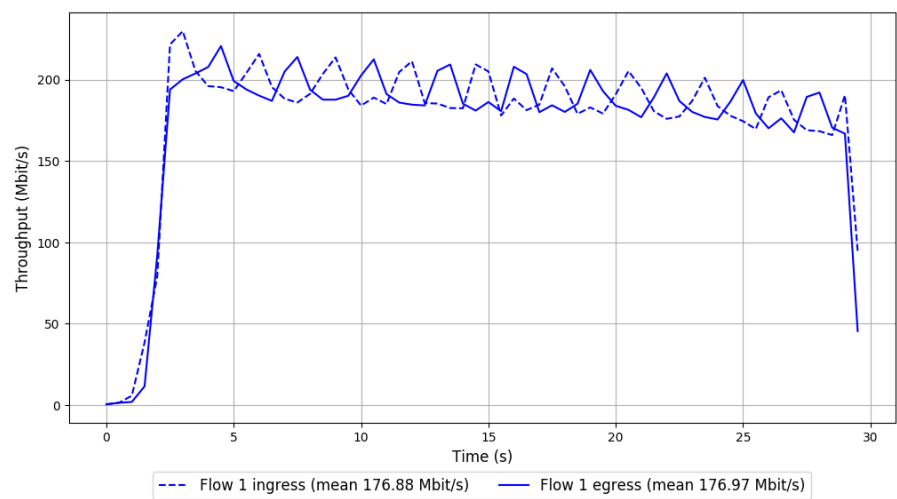
-- Flow 1:

Average throughput: 176.97 Mbit/s

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

Loss rate: 0.90%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 20:23:34

End at: 2018-04-24 20:24:04

Below is generated by plot.py at 2018-04-25 00:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.25 Mbit/s

95th percentile per-packet one-way delay: 135.949 ms

Loss rate: 0.96%

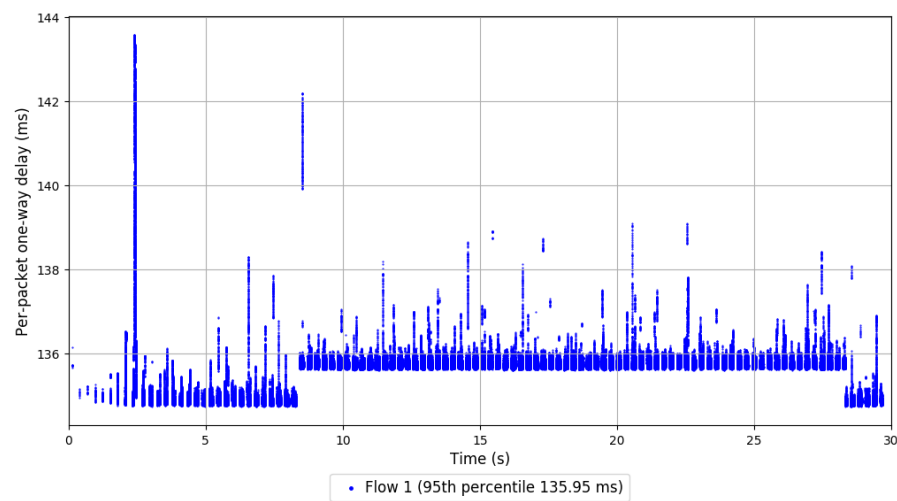
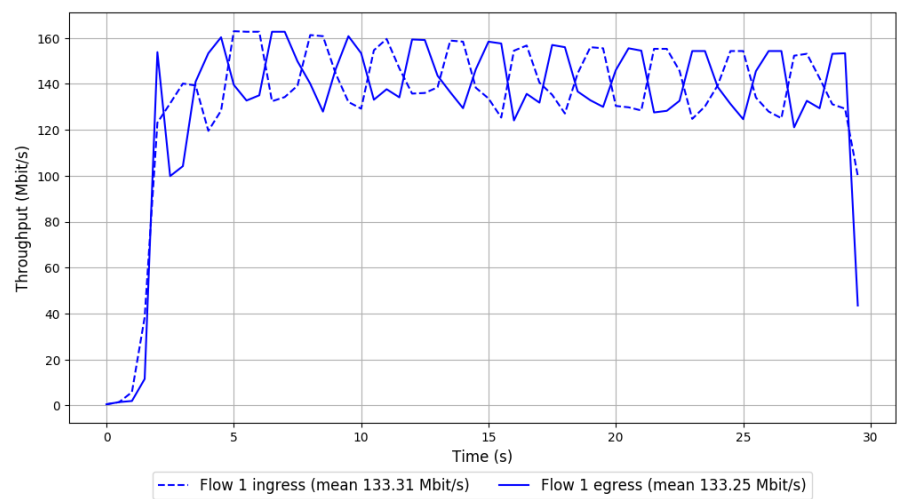
-- Flow 1:

Average throughput: 133.25 Mbit/s

95th percentile per-packet one-way delay: 135.949 ms

Loss rate: 0.96%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 20:37:38

End at: 2018-04-24 20:38:08

Below is generated by plot.py at 2018-04-25 00:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.67 Mbit/s

95th percentile per-packet one-way delay: 135.917 ms

Loss rate: 0.84%

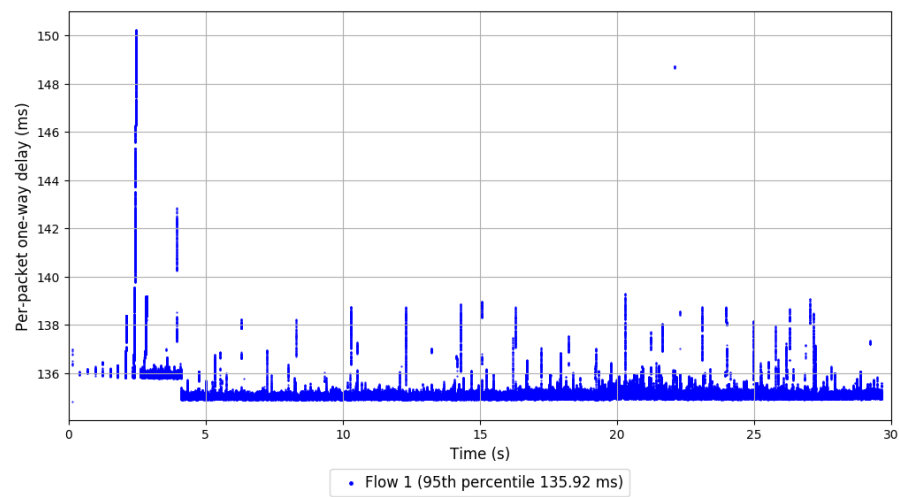
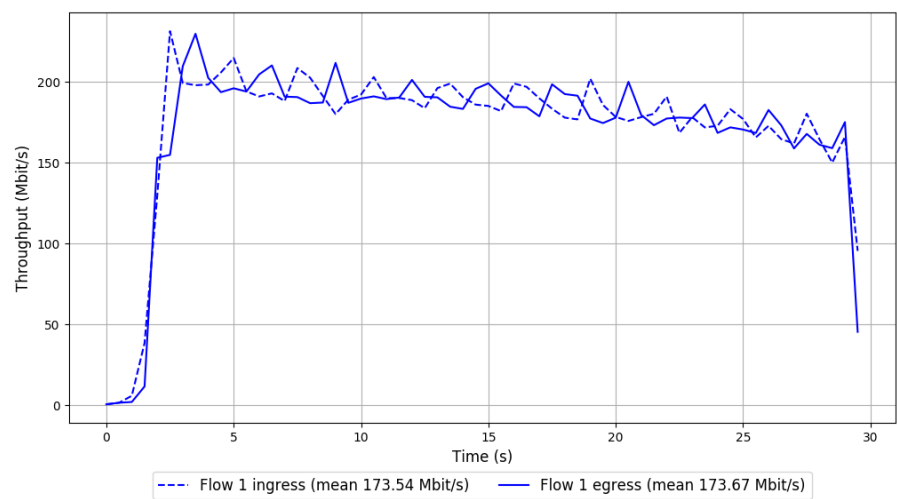
-- Flow 1:

Average throughput: 173.67 Mbit/s

95th percentile per-packet one-way delay: 135.917 ms

Loss rate: 0.84%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 20:52:10

End at: 2018-04-24 20:52:40

Below is generated by plot.py at 2018-04-25 00:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.55 Mbit/s

95th percentile per-packet one-way delay: 135.573 ms

Loss rate: 0.94%

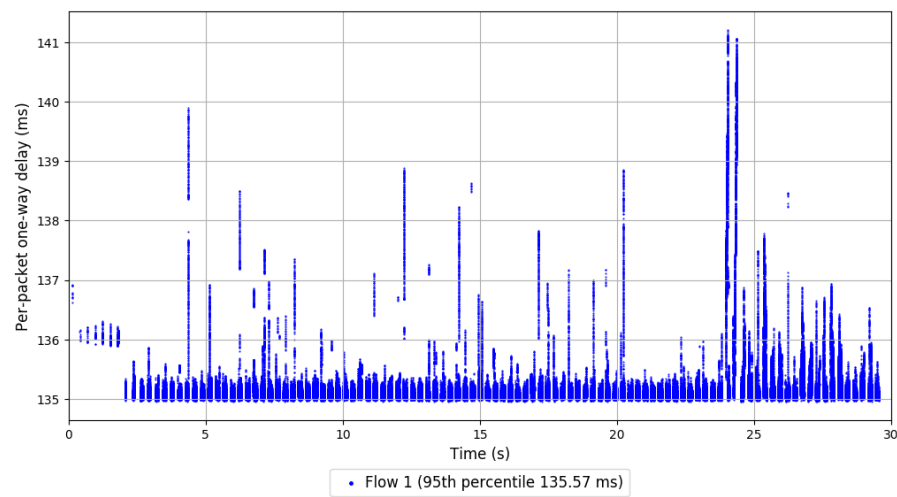
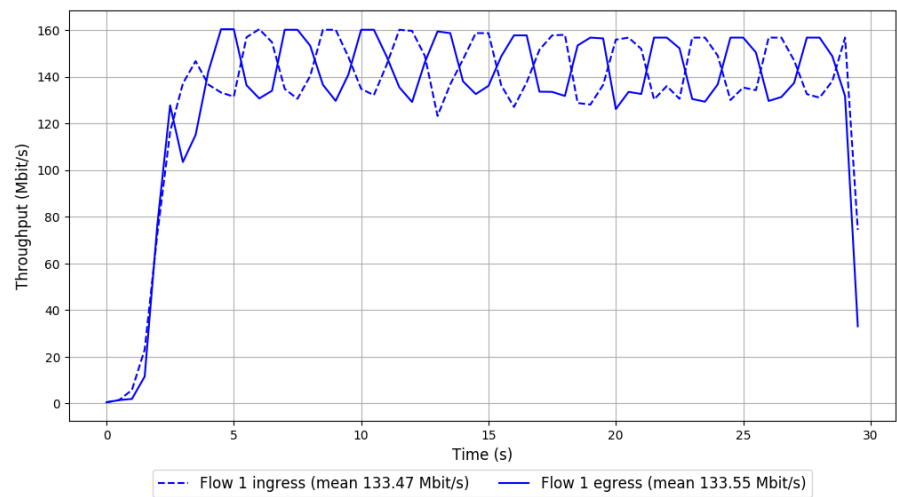
-- Flow 1:

Average throughput: 133.55 Mbit/s

95th percentile per-packet one-way delay: 135.573 ms

Loss rate: 0.94%

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

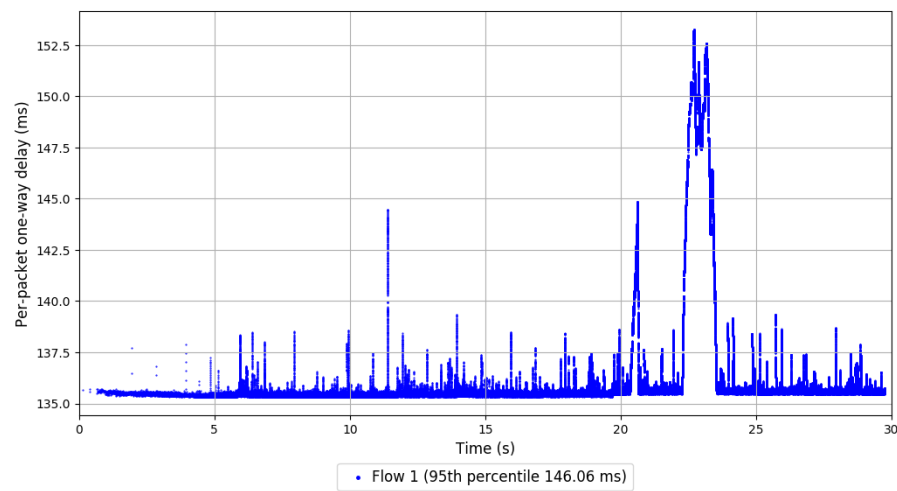
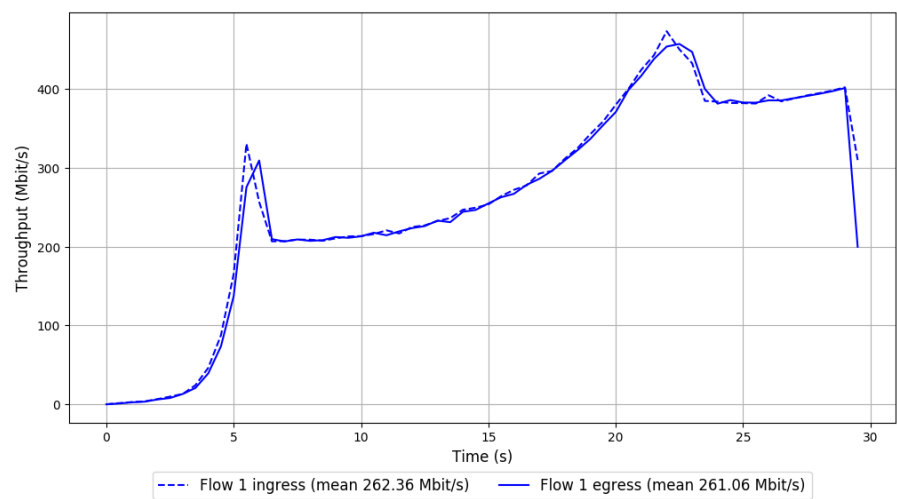


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 18:50:53
End at: 2018-04-24 18:51:23

# Below is generated by plot.py at 2018-04-25 00:26:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.06 Mbit/s
95th percentile per-packet one-way delay: 146.058 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 261.06 Mbit/s
95th percentile per-packet one-way delay: 146.058 ms
Loss rate: 1.40%
```

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 19:05:06

End at: 2018-04-24 19:05:36

Below is generated by plot.py at 2018-04-25 00:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.06 Mbit/s

95th percentile per-packet one-way delay: 137.594 ms

Loss rate: 1.04%

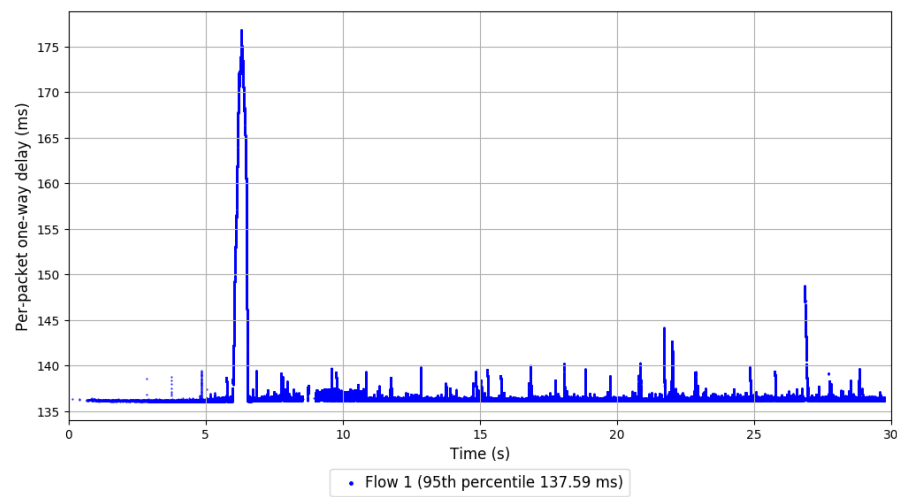
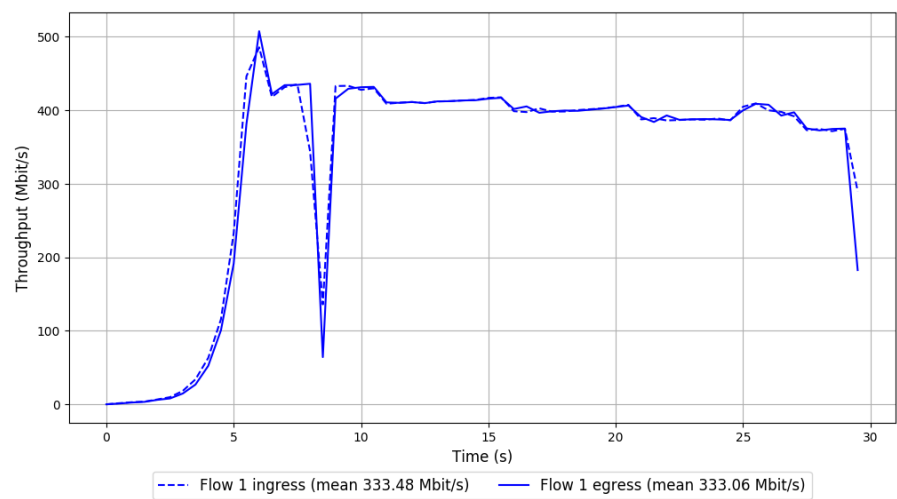
-- Flow 1:

Average throughput: 333.06 Mbit/s

95th percentile per-packet one-way delay: 137.594 ms

Loss rate: 1.04%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 19:19:44

End at: 2018-04-24 19:20:14

Below is generated by plot.py at 2018-04-25 00:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.92 Mbit/s

95th percentile per-packet one-way delay: 159.132 ms

Loss rate: 1.75%

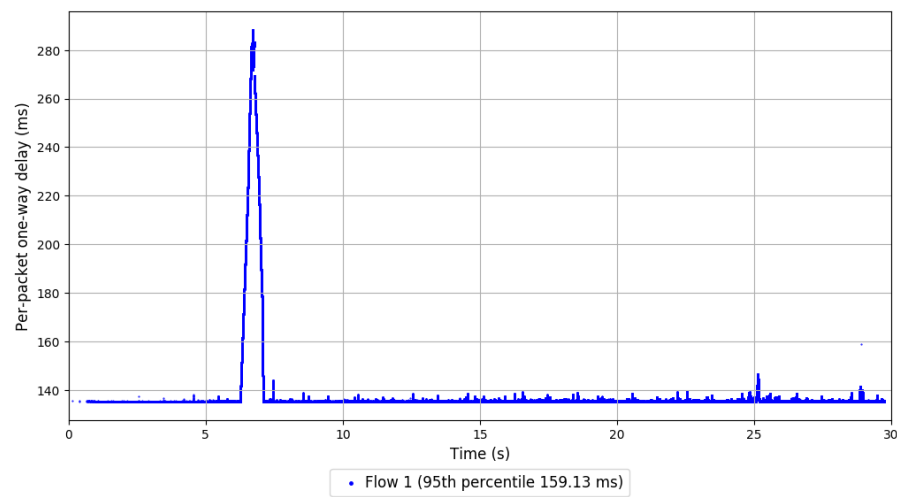
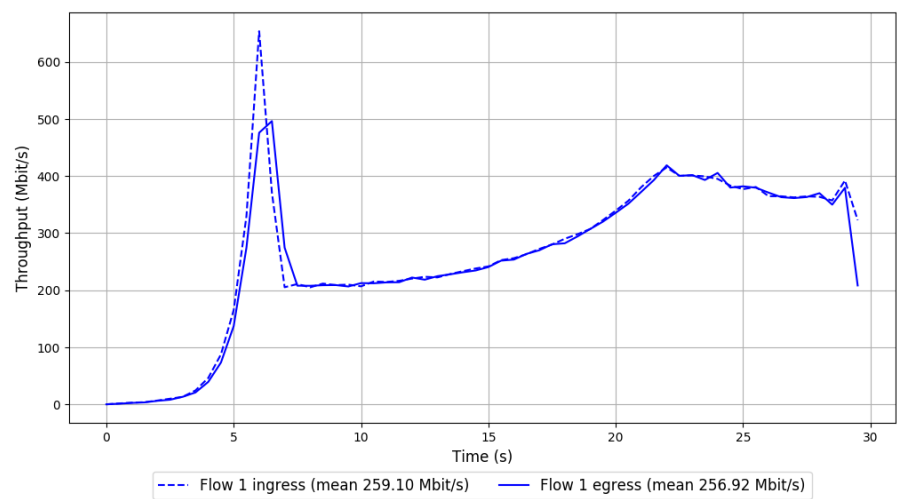
-- Flow 1:

Average throughput: 256.92 Mbit/s

95th percentile per-packet one-way delay: 159.132 ms

Loss rate: 1.75%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 19:34:13

End at: 2018-04-24 19:34:43

Below is generated by plot.py at 2018-04-25 00:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.80 Mbit/s

95th percentile per-packet one-way delay: 163.949 ms

Loss rate: 1.26%

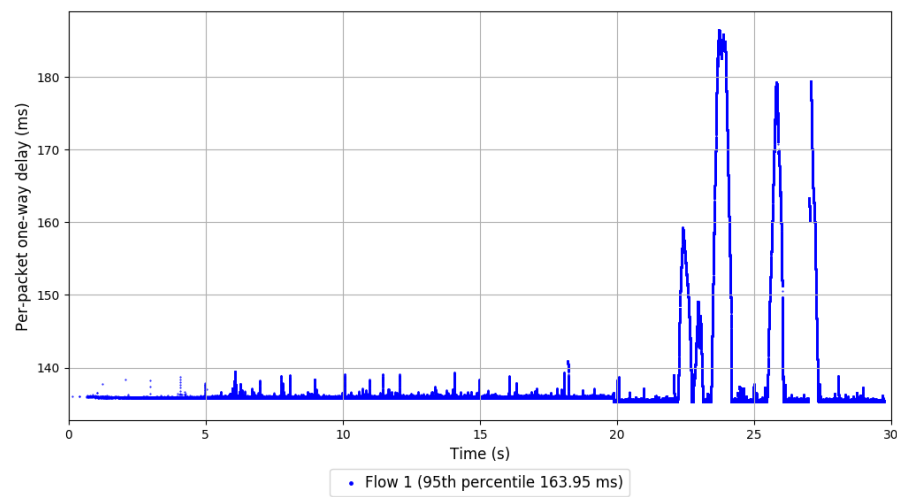
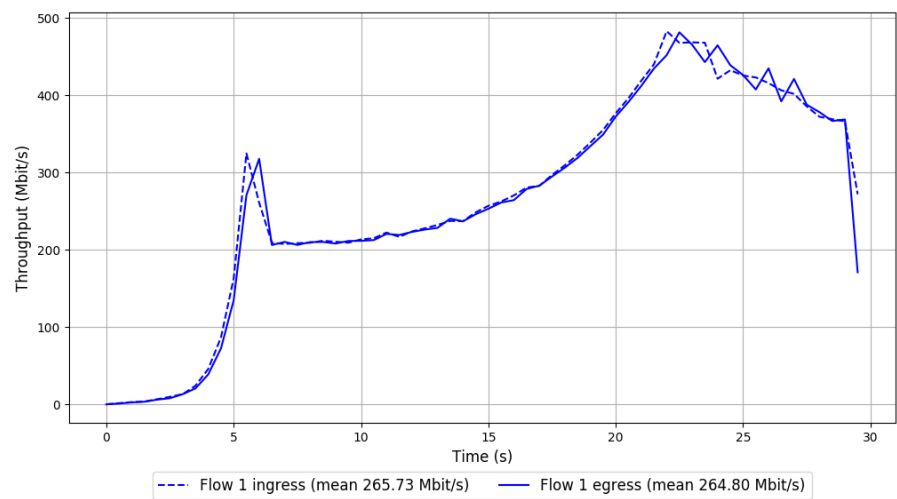
-- Flow 1:

Average throughput: 264.80 Mbit/s

95th percentile per-packet one-way delay: 163.949 ms

Loss rate: 1.26%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 19:48:32

End at: 2018-04-24 19:49:02

Below is generated by plot.py at 2018-04-25 00:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 309.94 Mbit/s

95th percentile per-packet one-way delay: 139.043 ms

Loss rate: 1.72%

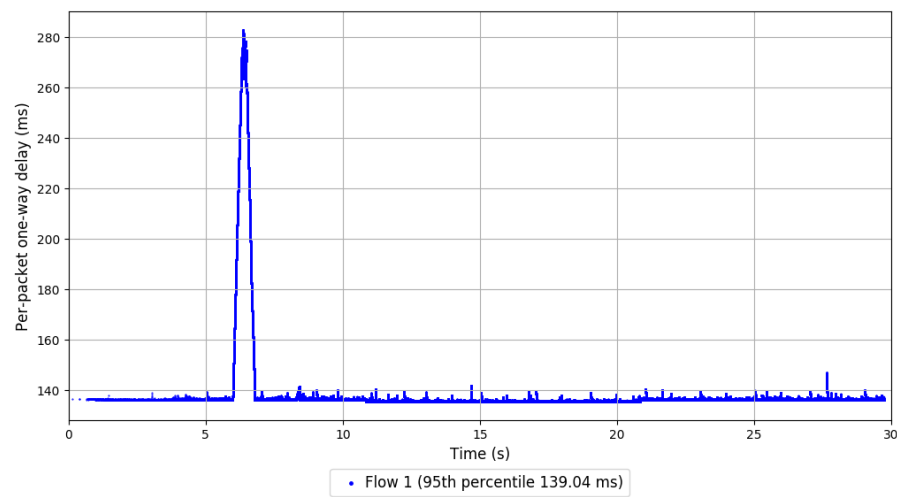
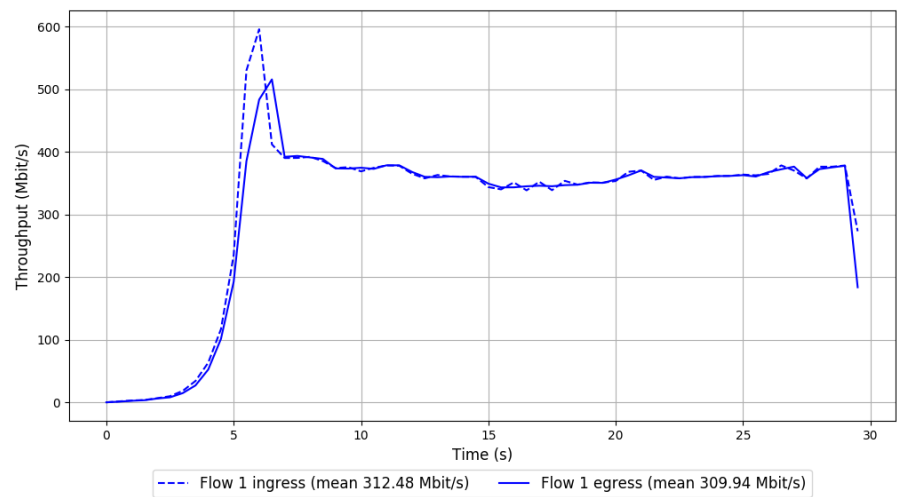
-- Flow 1:

Average throughput: 309.94 Mbit/s

95th percentile per-packet one-way delay: 139.043 ms

Loss rate: 1.72%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 20:03:13

End at: 2018-04-24 20:03:43

Below is generated by plot.py at 2018-04-25 00:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.11 Mbit/s

95th percentile per-packet one-way delay: 172.858 ms

Loss rate: 1.40%

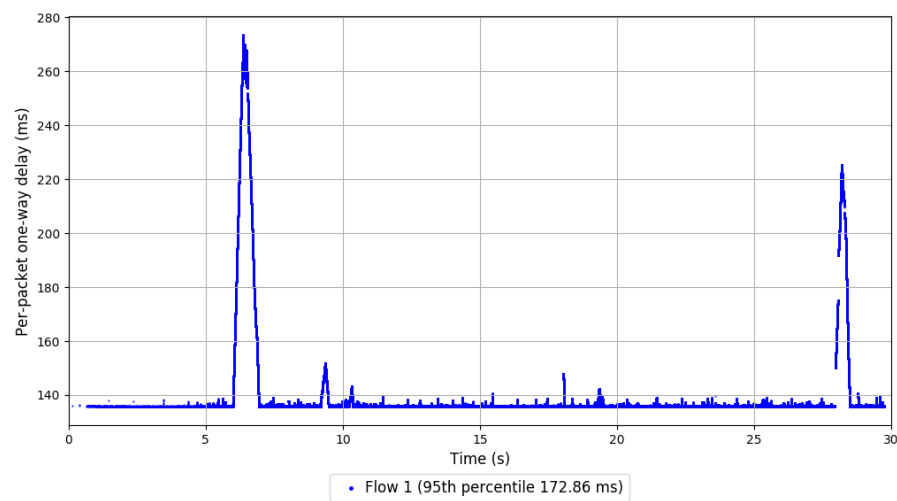
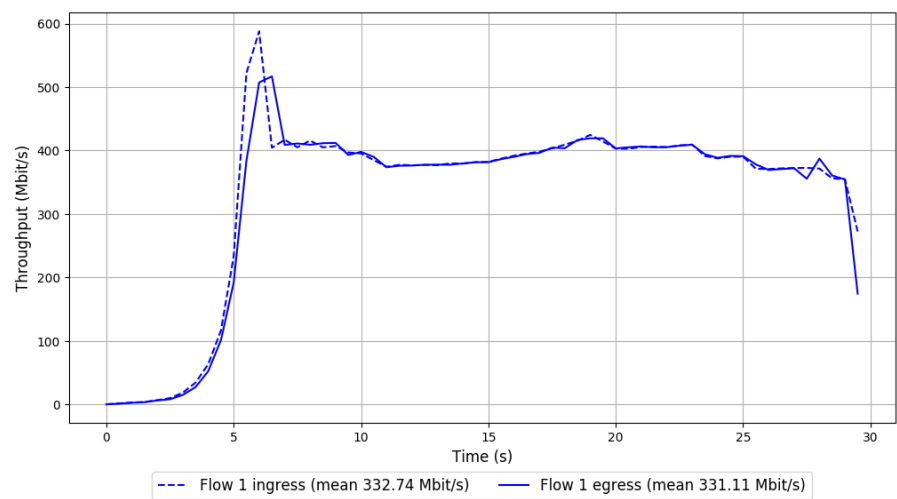
-- Flow 1:

Average throughput: 331.11 Mbit/s

95th percentile per-packet one-way delay: 172.858 ms

Loss rate: 1.40%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 20:17:25

End at: 2018-04-24 20:17:55

Below is generated by plot.py at 2018-04-25 00:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.70 Mbit/s

95th percentile per-packet one-way delay: 164.582 ms

Loss rate: 1.73%

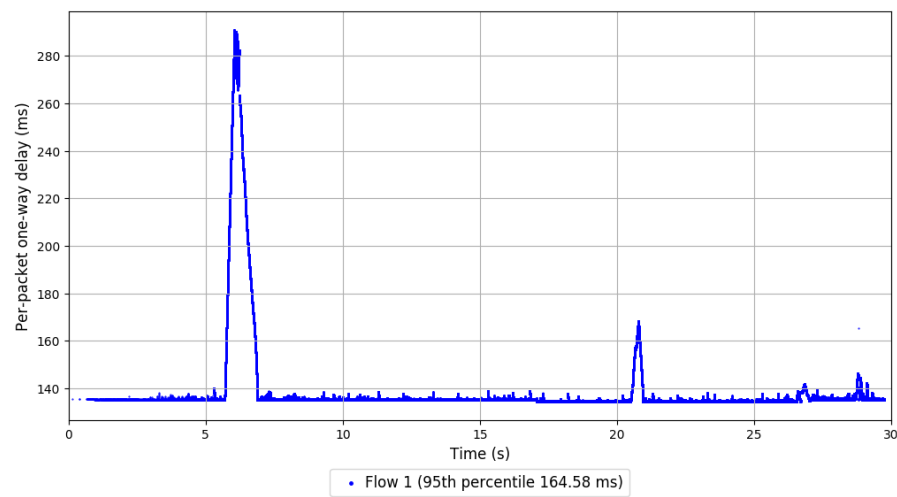
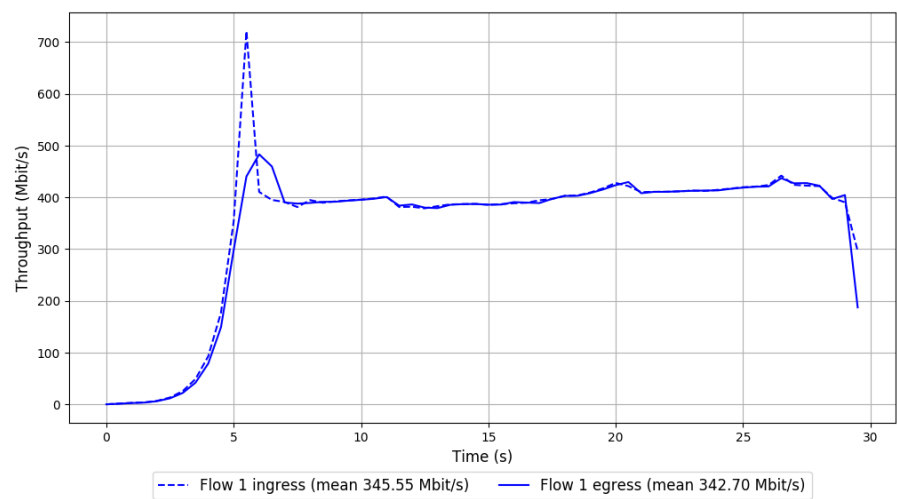
-- Flow 1:

Average throughput: 342.70 Mbit/s

95th percentile per-packet one-way delay: 164.582 ms

Loss rate: 1.73%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 20:31:10

End at: 2018-04-24 20:31:40

Below is generated by plot.py at 2018-04-25 00:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.99 Mbit/s

95th percentile per-packet one-way delay: 181.116 ms

Loss rate: 1.77%

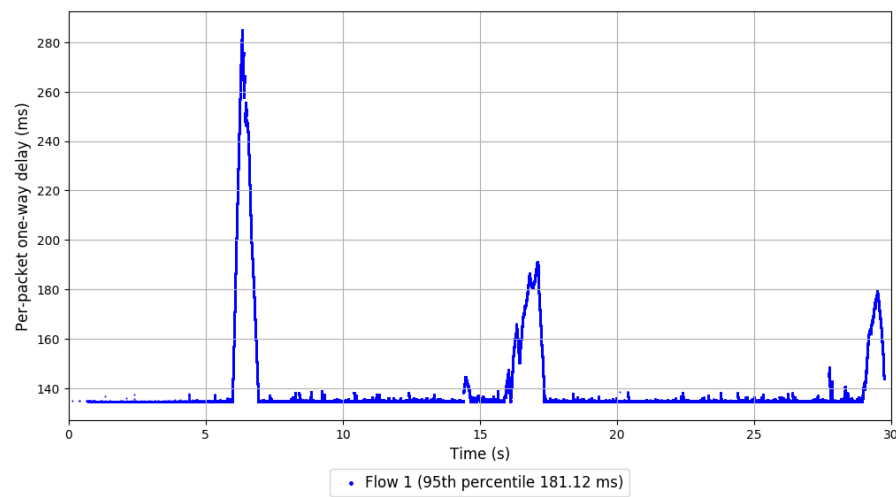
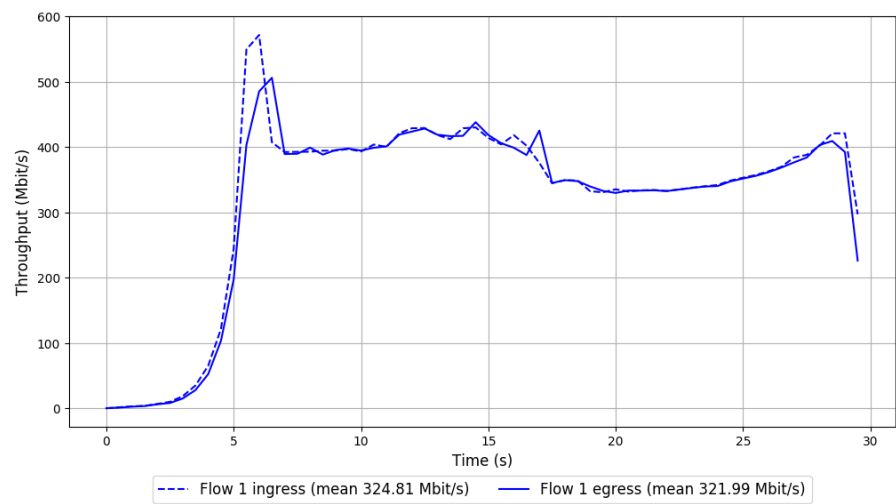
-- Flow 1:

Average throughput: 321.99 Mbit/s

95th percentile per-packet one-way delay: 181.116 ms

Loss rate: 1.77%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 20:45:49

End at: 2018-04-24 20:46:19

Below is generated by plot.py at 2018-04-25 00:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.22 Mbit/s

95th percentile per-packet one-way delay: 147.243 ms

Loss rate: 2.15%

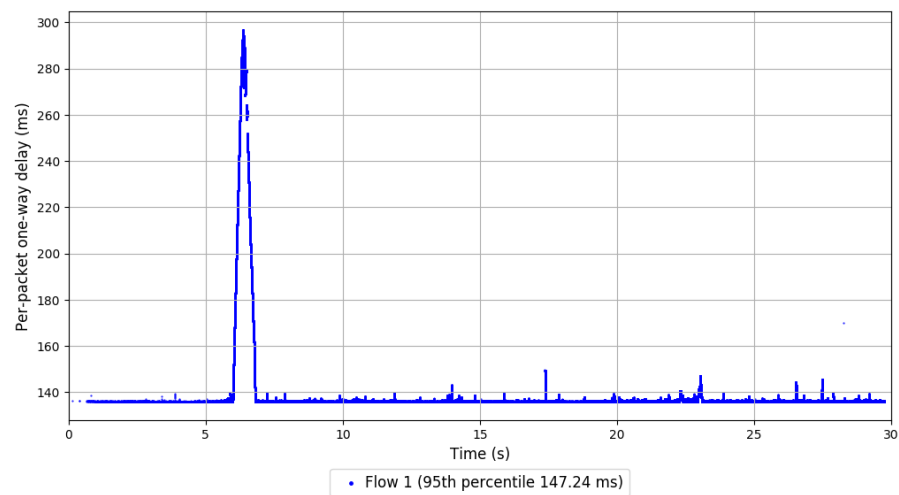
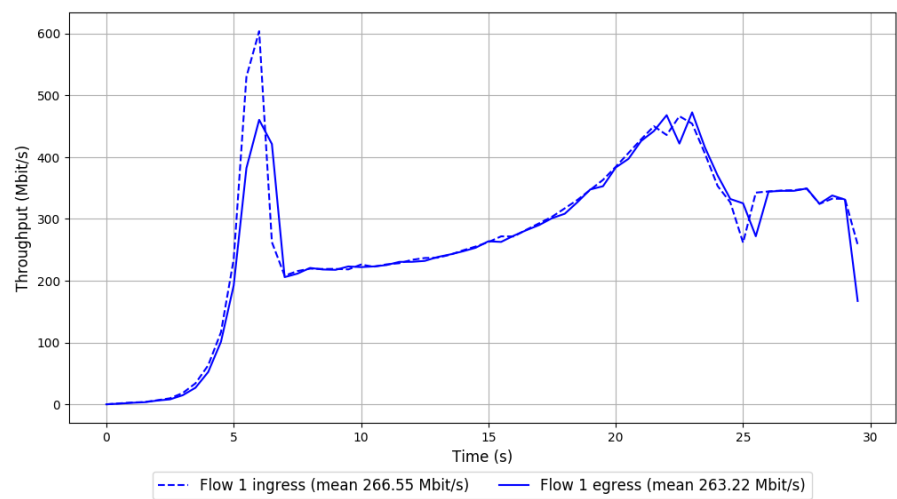
-- Flow 1:

Average throughput: 263.22 Mbit/s

95th percentile per-packet one-way delay: 147.243 ms

Loss rate: 2.15%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 21:00:11

End at: 2018-04-24 21:00:41

Below is generated by plot.py at 2018-04-25 00:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.94 Mbit/s

95th percentile per-packet one-way delay: 159.129 ms

Loss rate: 1.41%

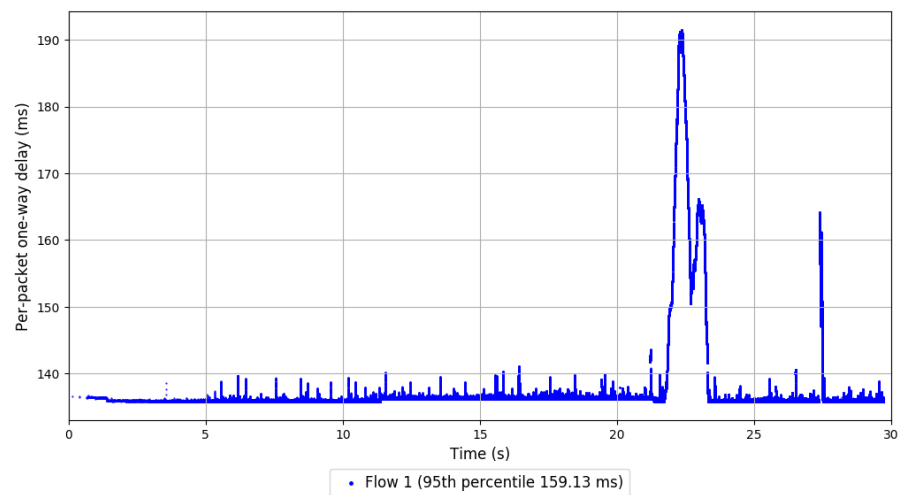
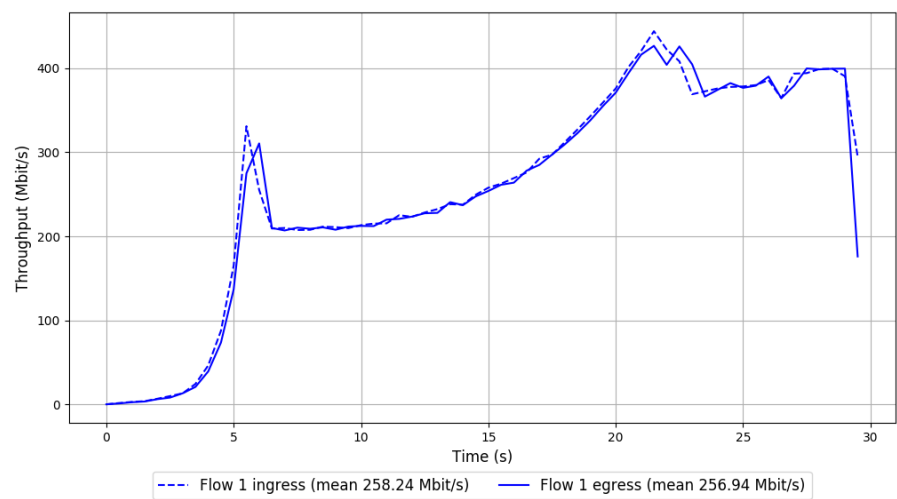
-- Flow 1:

Average throughput: 256.94 Mbit/s

95th percentile per-packet one-way delay: 159.129 ms

Loss rate: 1.41%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 18:52:59

End at: 2018-04-24 18:53:29

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 19:07:18

End at: 2018-04-24 19:07:48

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 19:21:49

End at: 2018-04-24 19:22:19

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 19:36:20

End at: 2018-04-24 19:36:50

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 19:50:43

End at: 2018-04-24 19:51:13

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 20:05:25

End at: 2018-04-24 20:05:55

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 20:19:38

End at: 2018-04-24 20:20:08

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 20:33:22

End at: 2018-04-24 20:33:52

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 20:47:57

End at: 2018-04-24 20:48:27

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 21:02:18

End at: 2018-04-24 21:02:48

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing