

Pantheon Report

Generated at 2018-04-17 11:17:23 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

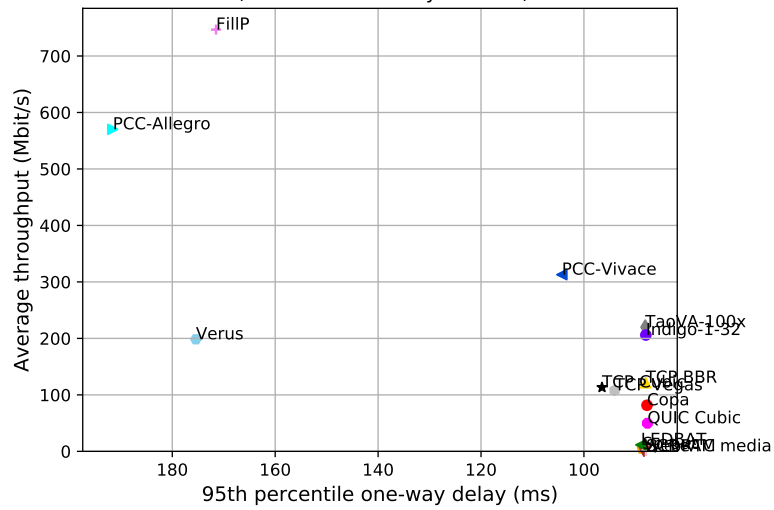
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

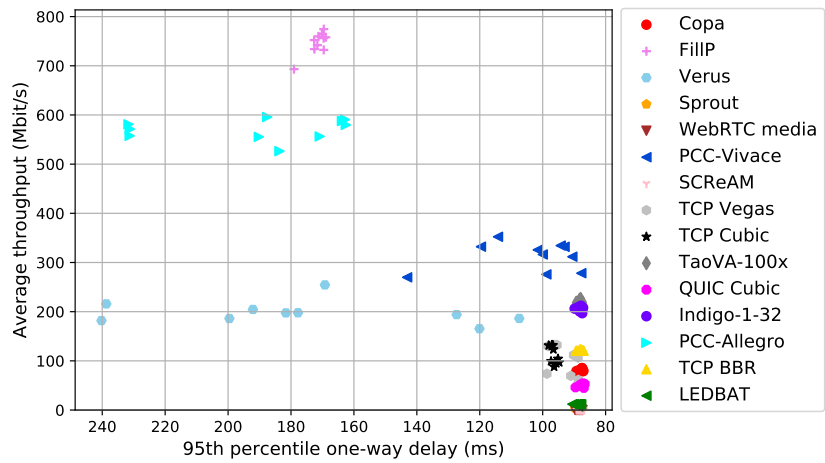
Git summary:

```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
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 @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 Sydney Ethernet to GCE Iowa Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Sydney Ethernet to GCE Iowa 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	121.52	88.00	0.63
TCP Cubic	10	113.23	96.49	0.60
LEDBAT	10	11.39	88.94	1.19
PCC-Allegro	10	570.18	191.56	2.12
QUIC Cubic	10	49.77	87.66	0.85
SCReAM	10	0.22	87.94	0.58
WebRTC media	10	0.06	88.33	0.02
Sprout	10	4.15	88.65	0.68
TaoVA-100x	10	219.89	88.09	0.62
TCP Vegas	10	108.05	94.04	0.56
Verus	10	198.39	175.41	1.98
Copa	10	81.58	87.75	0.52
FillP	10	746.71	171.50	4.86
Indigo-1-32	10	205.96	87.97	0.65
PCC-Vivace	10	312.84	104.30	0.80
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 05:45:58

End at: 2018-04-17 05:46:28

Below is generated by plot.py at 2018-04-17 10:14:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.87 Mbit/s

95th percentile per-packet one-way delay: 87.670 ms

Loss rate: 0.61%

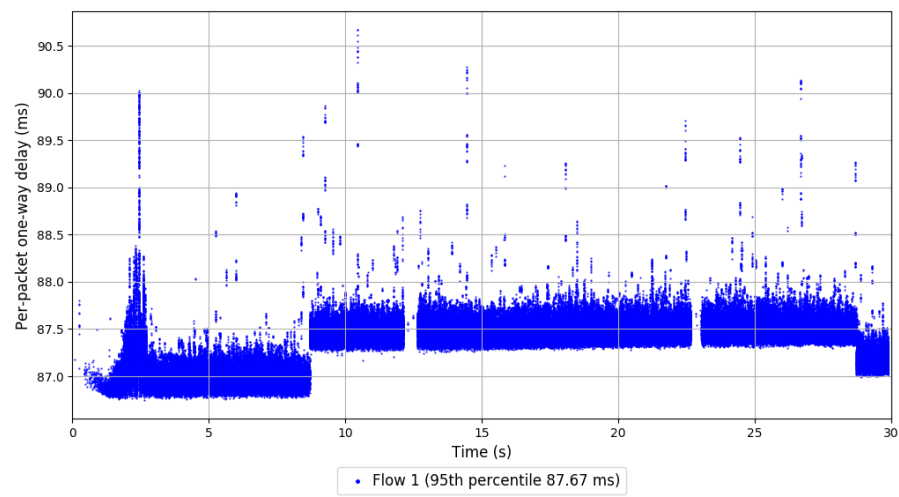
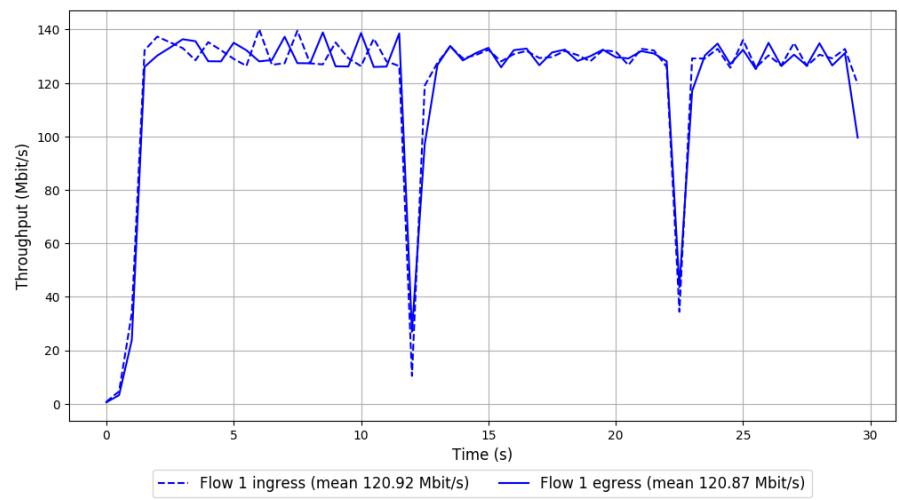
-- Flow 1:

Average throughput: 120.87 Mbit/s

95th percentile per-packet one-way delay: 87.670 ms

Loss rate: 0.61%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 05:59:41

End at: 2018-04-17 06:00:11

Below is generated by plot.py at 2018-04-17 10:14:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.82 Mbit/s

95th percentile per-packet one-way delay: 88.201 ms

Loss rate: 0.55%

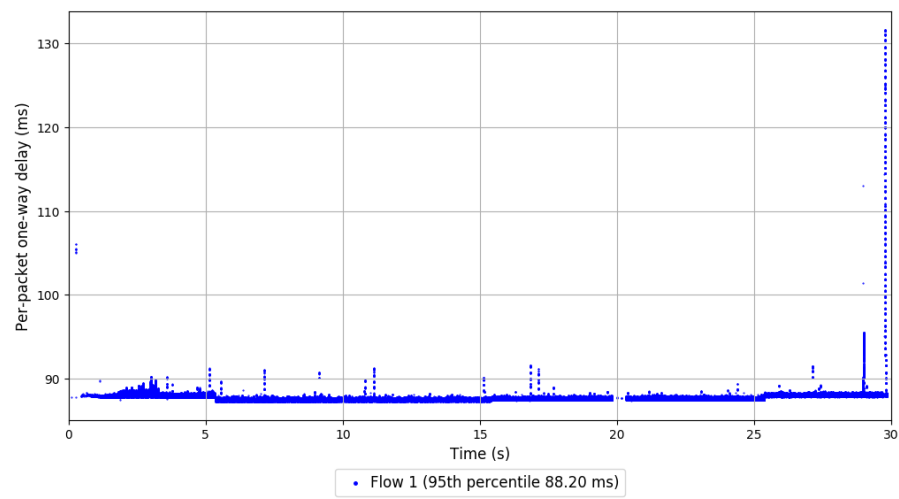
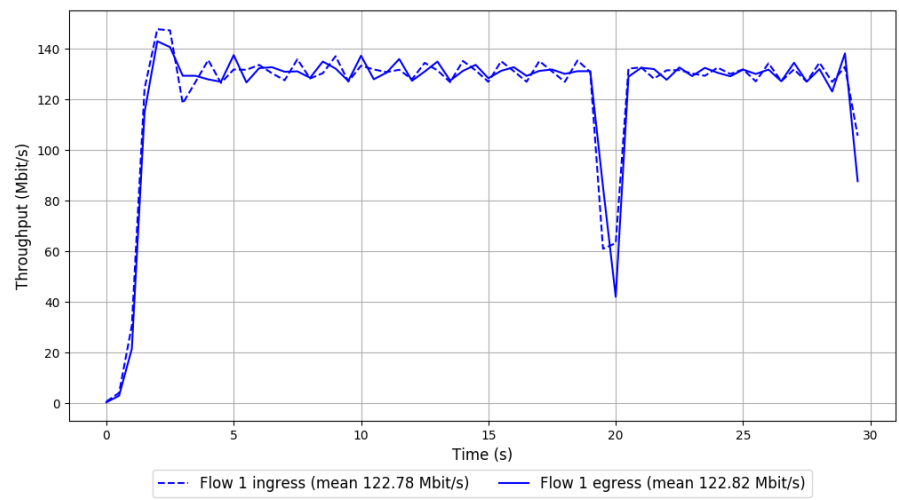
-- Flow 1:

Average throughput: 122.82 Mbit/s

95th percentile per-packet one-way delay: 88.201 ms

Loss rate: 0.55%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 06:13:23

End at: 2018-04-17 06:13:53

Below is generated by plot.py at 2018-04-17 10:14:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.41 Mbit/s

95th percentile per-packet one-way delay: 88.294 ms

Loss rate: 0.61%

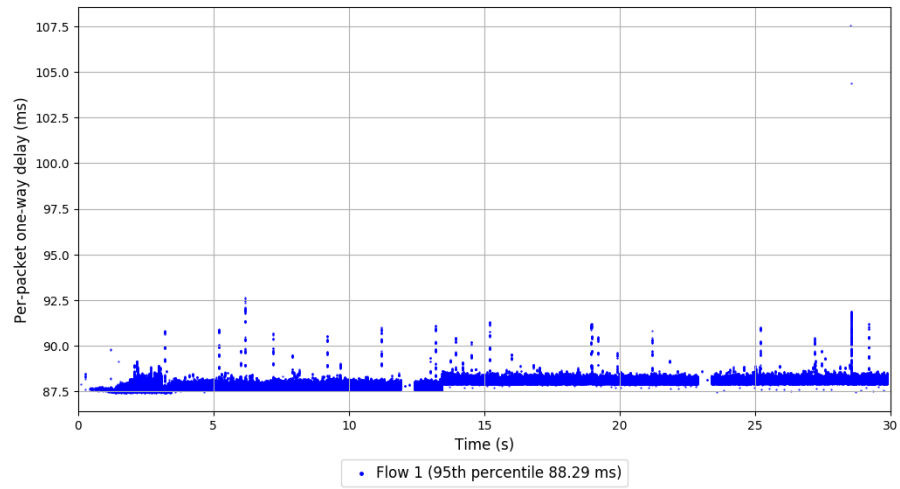
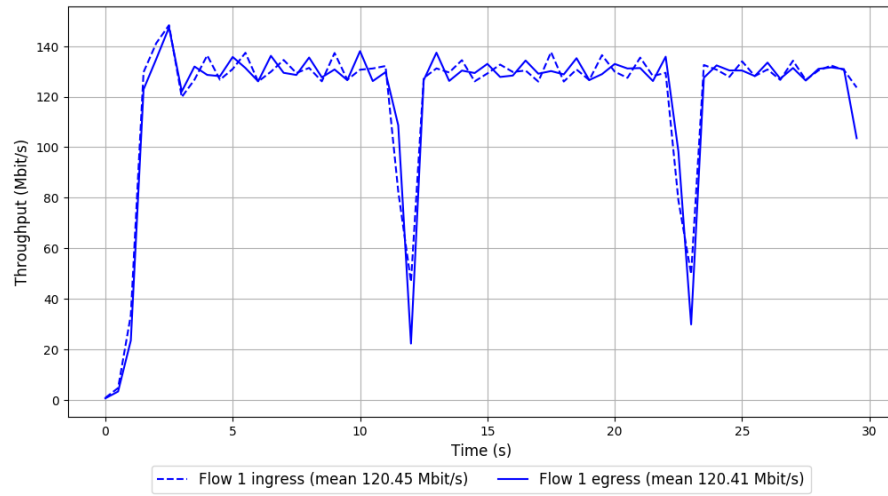
-- Flow 1:

Average throughput: 120.41 Mbit/s

95th percentile per-packet one-way delay: 88.294 ms

Loss rate: 0.61%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 06:27:12

End at: 2018-04-17 06:27:42

Below is generated by plot.py at 2018-04-17 10:14:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.10 Mbit/s

95th percentile per-packet one-way delay: 88.993 ms

Loss rate: 0.68%

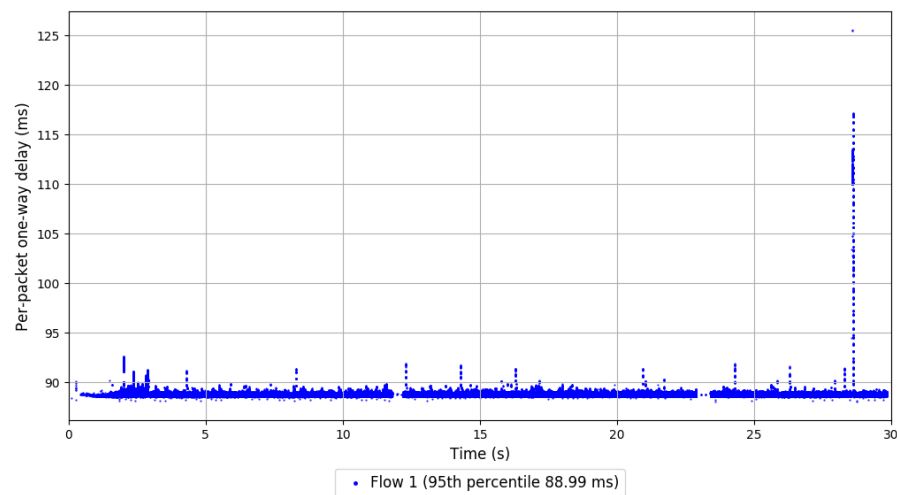
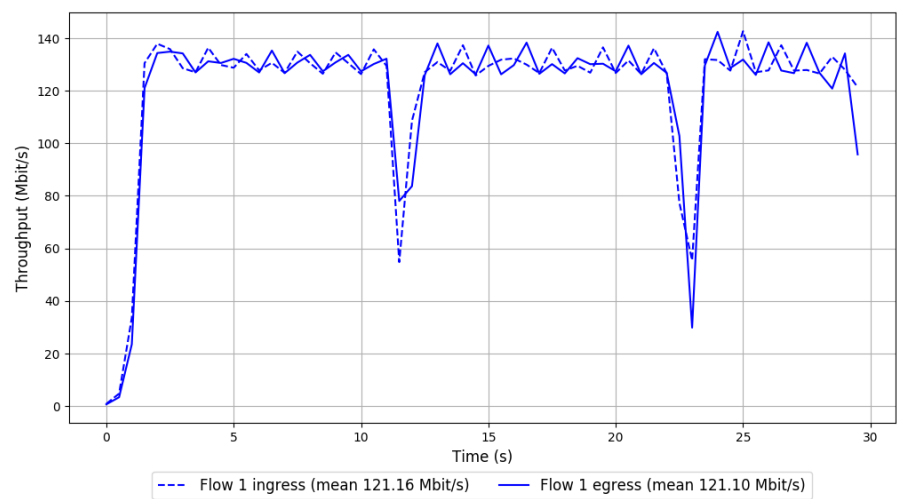
-- Flow 1:

Average throughput: 121.10 Mbit/s

95th percentile per-packet one-way delay: 88.993 ms

Loss rate: 0.68%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 06:40:52

End at: 2018-04-17 06:41:22

Below is generated by plot.py at 2018-04-17 10:14:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.52 Mbit/s

95th percentile per-packet one-way delay: 89.409 ms

Loss rate: 0.61%

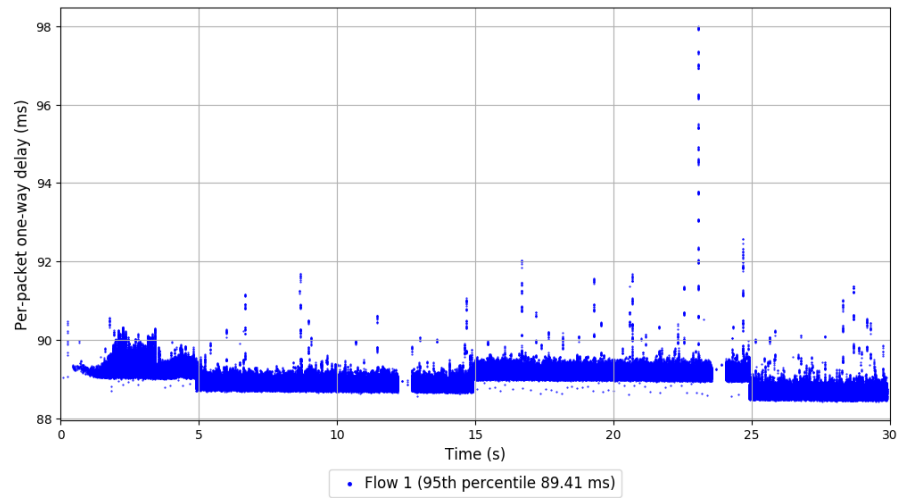
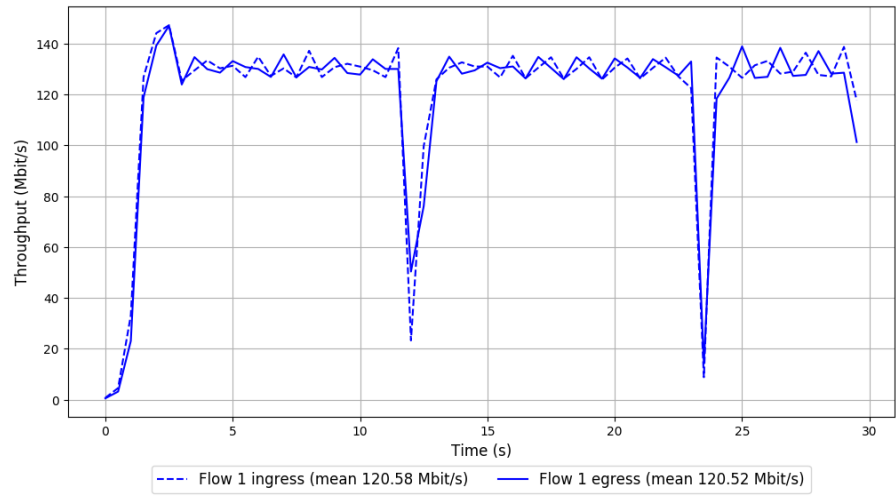
-- Flow 1:

Average throughput: 120.52 Mbit/s

95th percentile per-packet one-way delay: 89.409 ms

Loss rate: 0.61%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 06:54:38

End at: 2018-04-17 06:55:08

Below is generated by plot.py at 2018-04-17 10:14:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.51 Mbit/s

95th percentile per-packet one-way delay: 87.838 ms

Loss rate: 0.64%

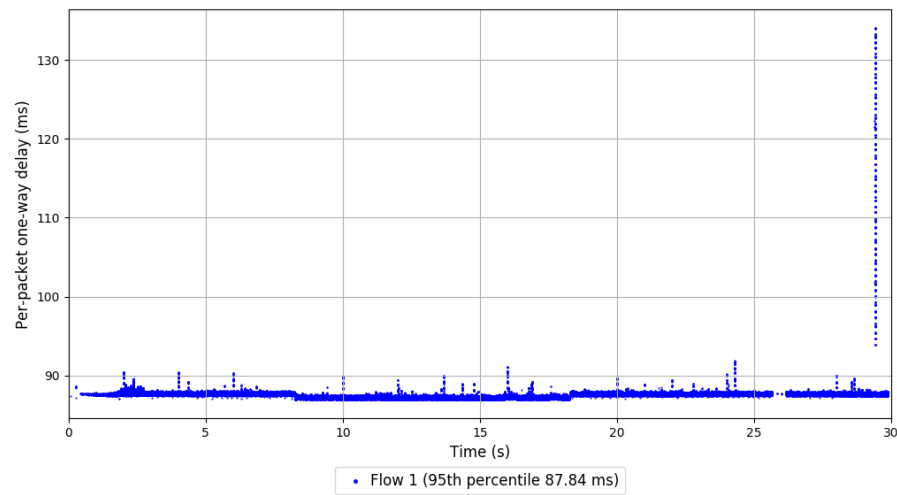
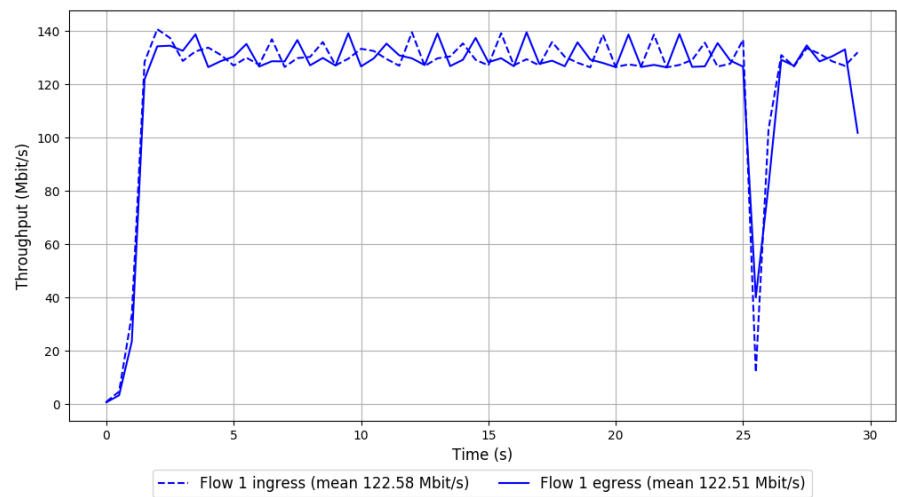
-- Flow 1:

Average throughput: 122.51 Mbit/s

95th percentile per-packet one-way delay: 87.838 ms

Loss rate: 0.64%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-17 07:08:37

End at: 2018-04-17 07:09:07

Below is generated by plot.py at 2018-04-17 10:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.62 Mbit/s

95th percentile per-packet one-way delay: 87.949 ms

Loss rate: 0.61%

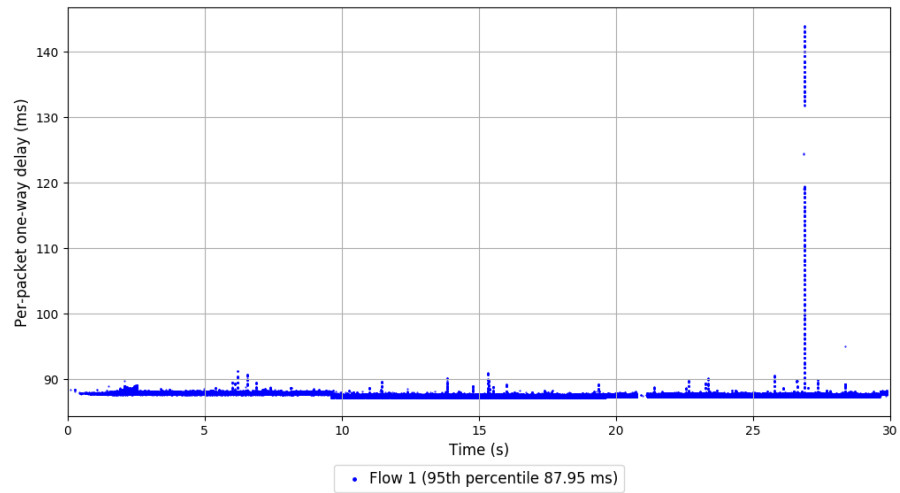
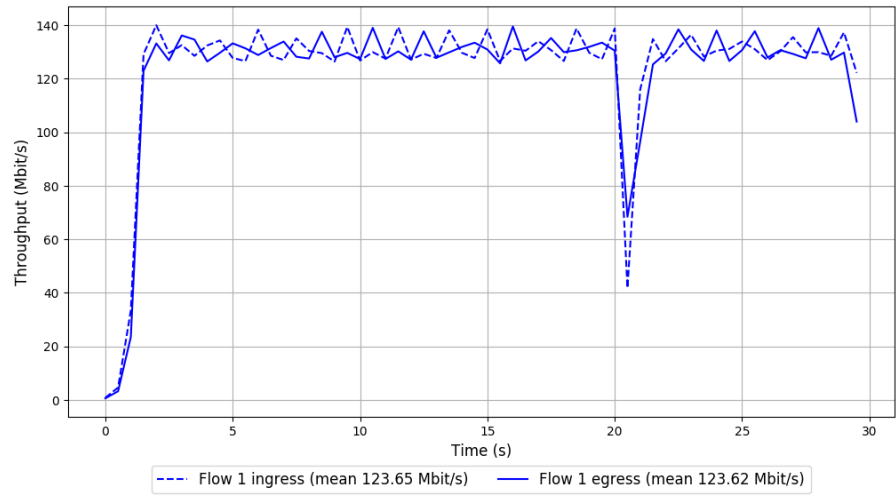
-- Flow 1:

Average throughput: 123.62 Mbit/s

95th percentile per-packet one-way delay: 87.949 ms

Loss rate: 0.61%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 07:22:23

End at: 2018-04-17 07:22:53

Below is generated by plot.py at 2018-04-17 10:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.35 Mbit/s

95th percentile per-packet one-way delay: 87.403 ms

Loss rate: 0.67%

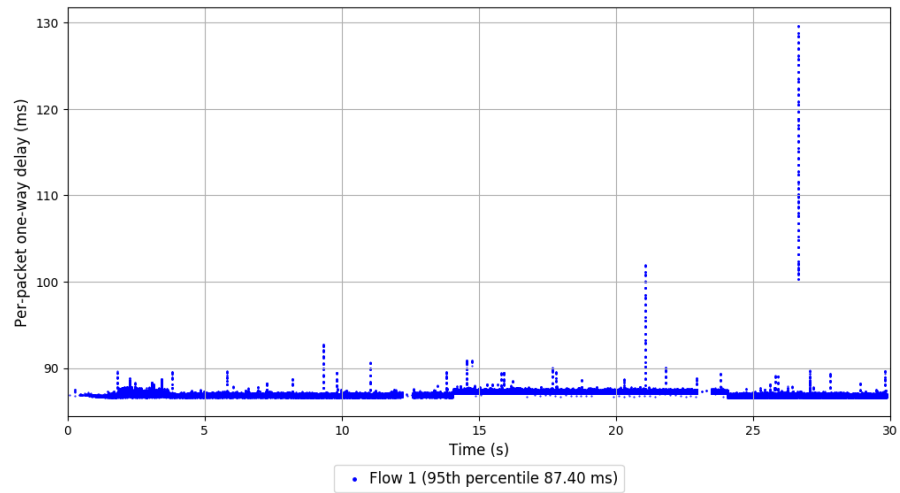
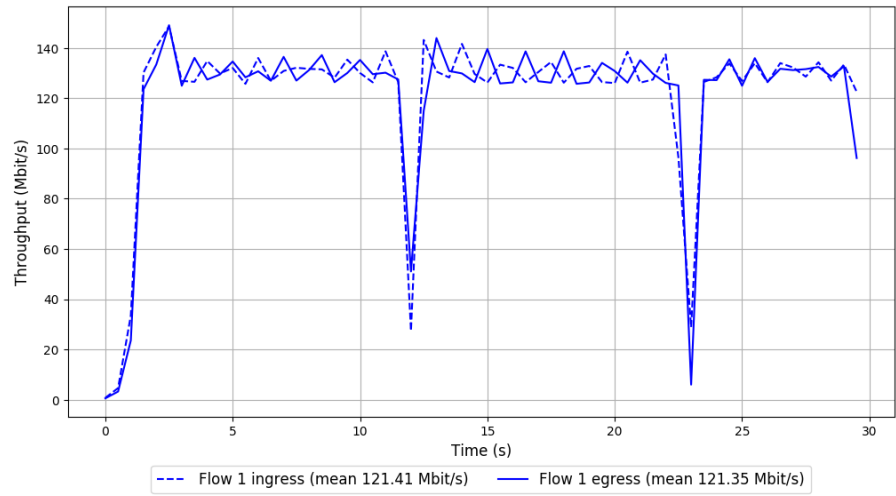
-- Flow 1:

Average throughput: 121.35 Mbit/s

95th percentile per-packet one-way delay: 87.403 ms

Loss rate: 0.67%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 07:36:02

End at: 2018-04-17 07:36:32

Below is generated by plot.py at 2018-04-17 10:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.99 Mbit/s

95th percentile per-packet one-way delay: 86.986 ms

Loss rate: 0.66%

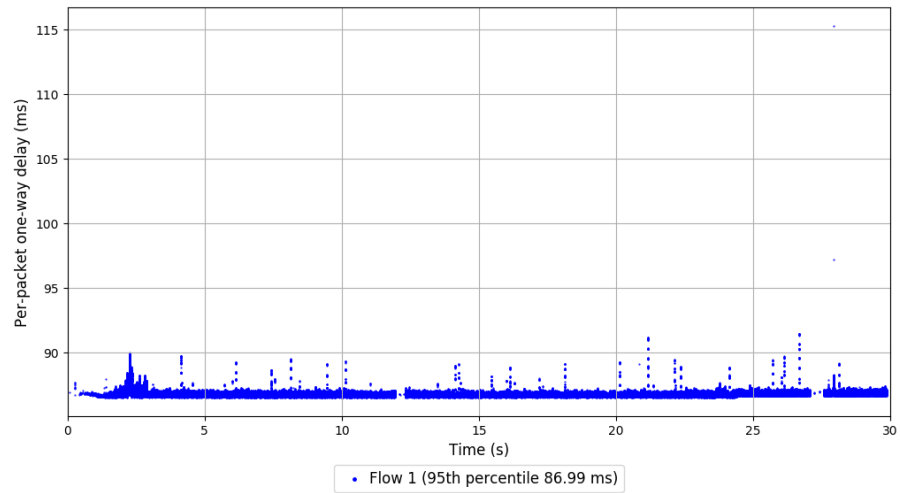
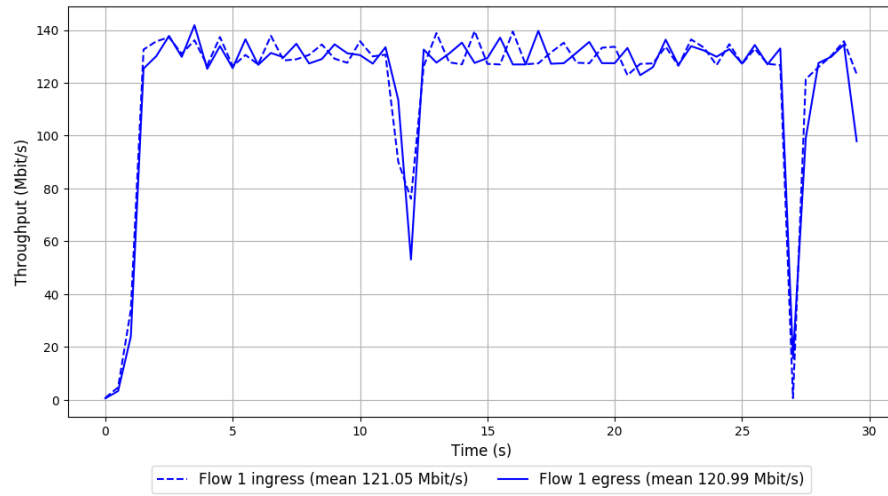
-- Flow 1:

Average throughput: 120.99 Mbit/s

95th percentile per-packet one-way delay: 86.986 ms

Loss rate: 0.66%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 07:49:49

End at: 2018-04-17 07:50:19

Below is generated by plot.py at 2018-04-17 10:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.01 Mbit/s

95th percentile per-packet one-way delay: 87.297 ms

Loss rate: 0.67%

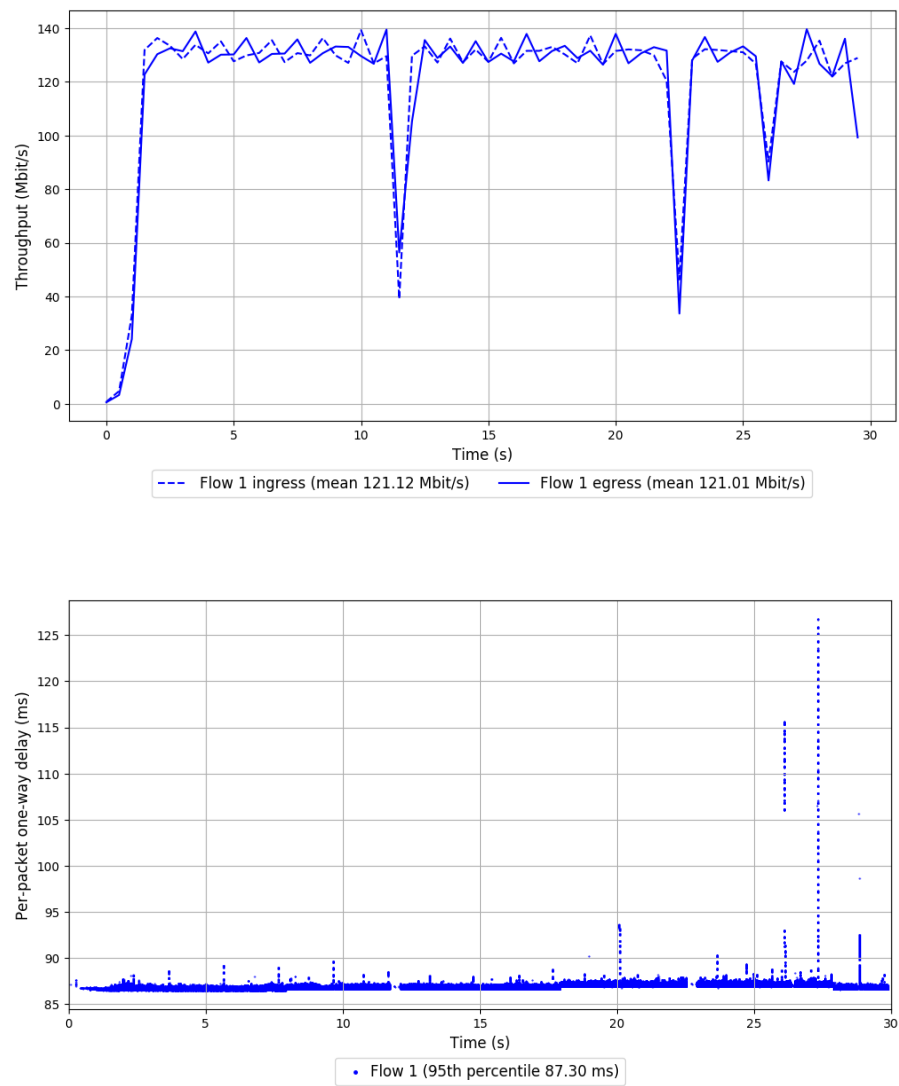
-- Flow 1:

Average throughput: 121.01 Mbit/s

95th percentile per-packet one-way delay: 87.297 ms

Loss rate: 0.67%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 05:37:35

End at: 2018-04-17 05:38:05

Below is generated by plot.py at 2018-04-17 10:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.94 Mbit/s

95th percentile per-packet one-way delay: 94.738 ms

Loss rate: 0.41%

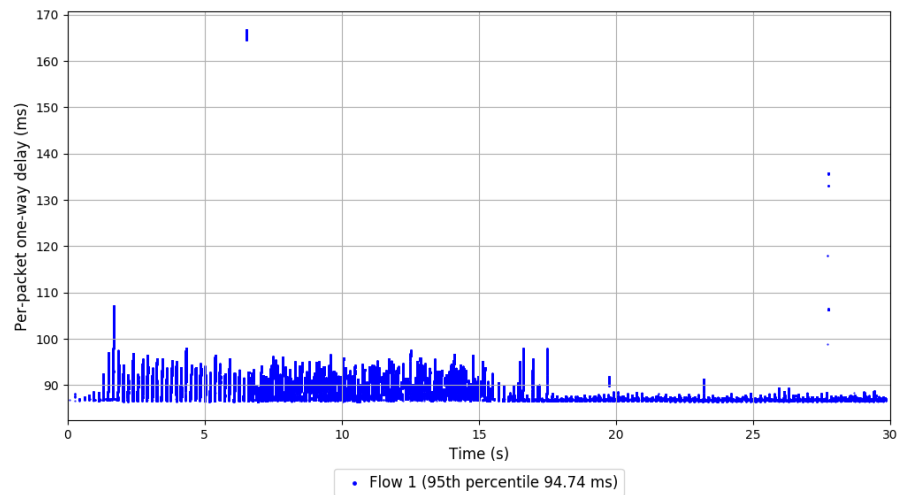
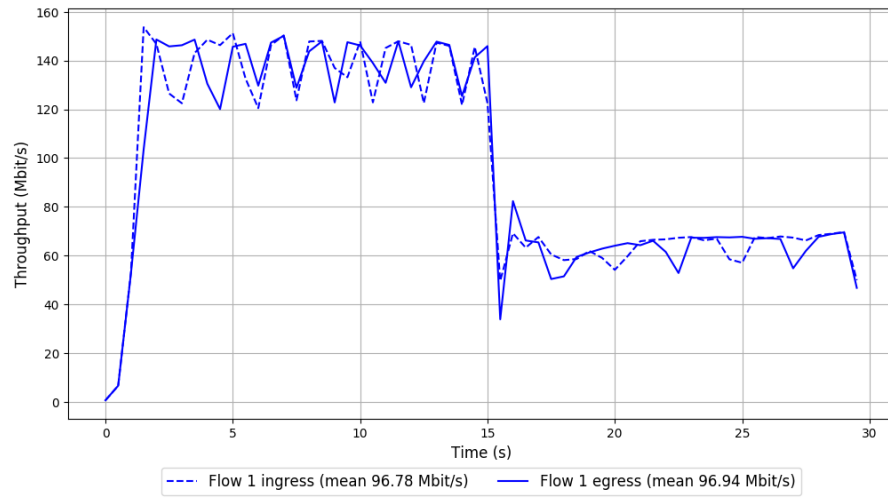
-- Flow 1:

Average throughput: 96.94 Mbit/s

95th percentile per-packet one-way delay: 94.738 ms

Loss rate: 0.41%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 05:51:31

End at: 2018-04-17 05:52:01

Below is generated by plot.py at 2018-04-17 10:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.10 Mbit/s

95th percentile per-packet one-way delay: 96.374 ms

Loss rate: 0.92%

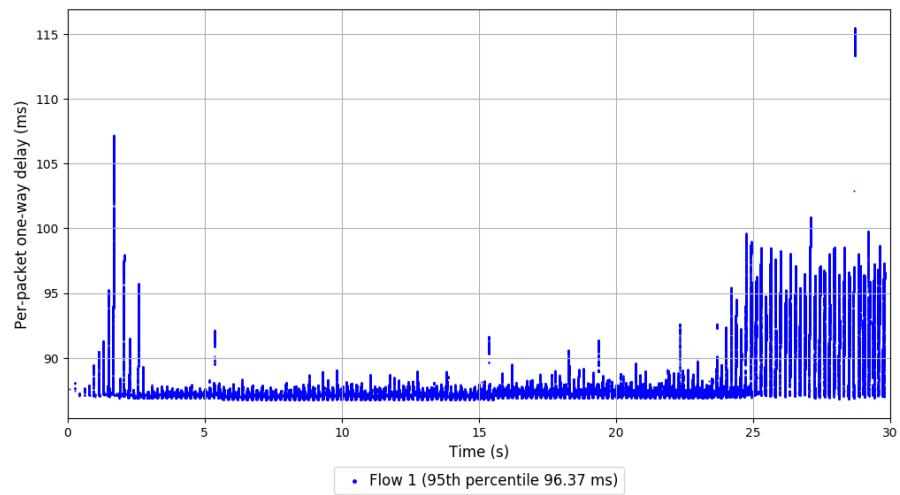
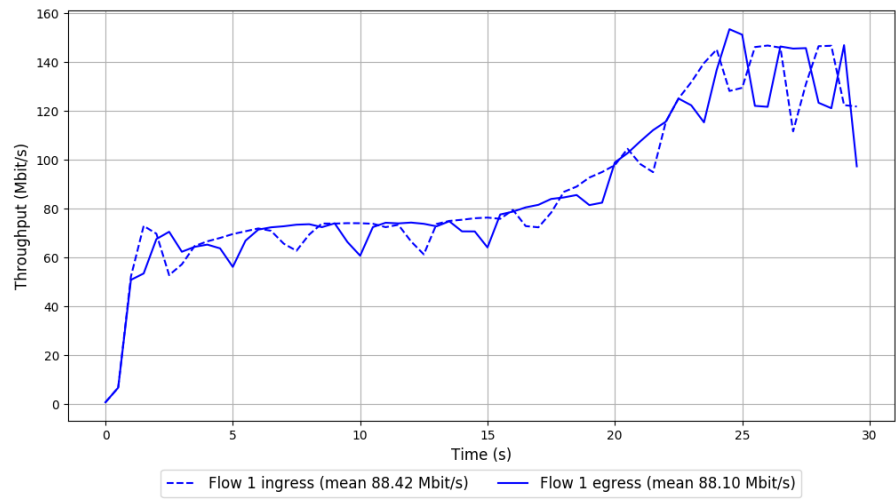
-- Flow 1:

Average throughput: 88.10 Mbit/s

95th percentile per-packet one-way delay: 96.374 ms

Loss rate: 0.92%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 06:05:12

End at: 2018-04-17 06:05:42

Below is generated by plot.py at 2018-04-17 10:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 95.684 ms

Loss rate: 0.53%

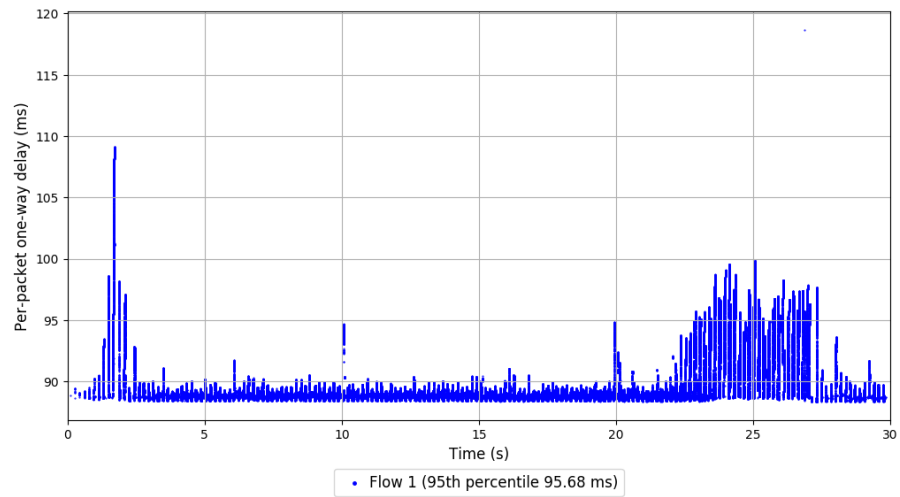
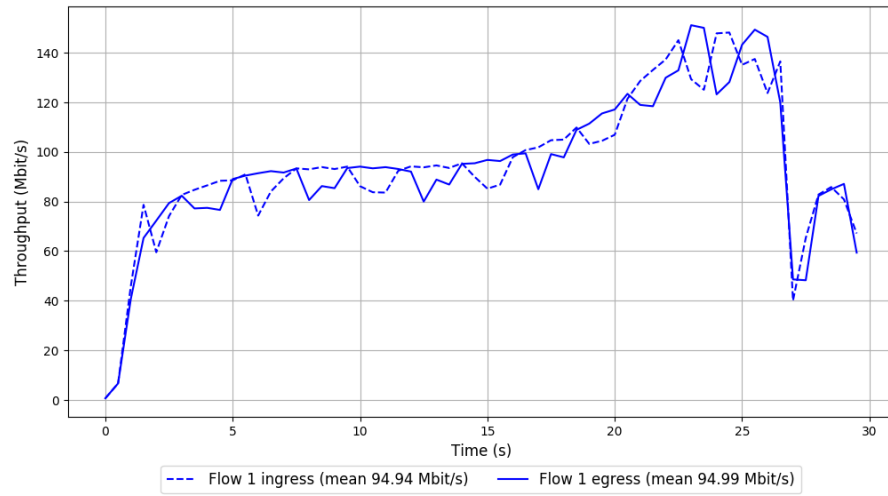
-- Flow 1:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 95.684 ms

Loss rate: 0.53%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 06:18:54

End at: 2018-04-17 06:19:24

Below is generated by plot.py at 2018-04-17 10:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.22 Mbit/s

95th percentile per-packet one-way delay: 97.348 ms

Loss rate: 0.82%

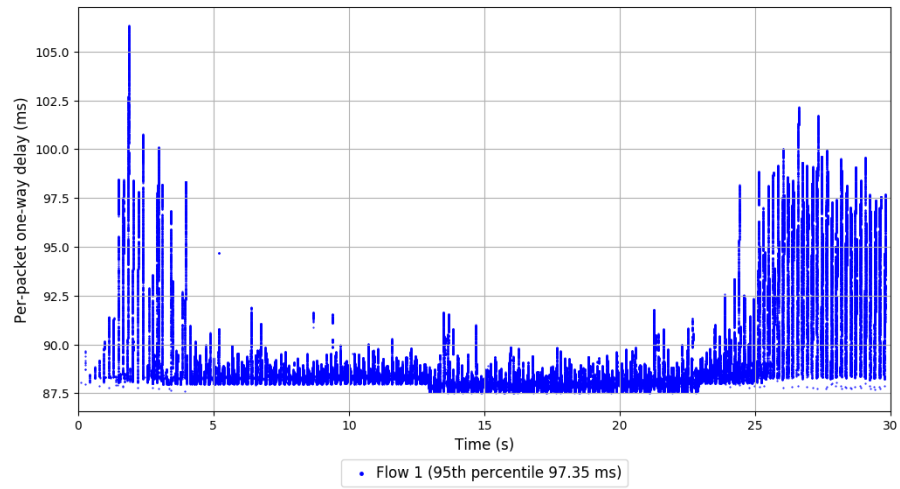
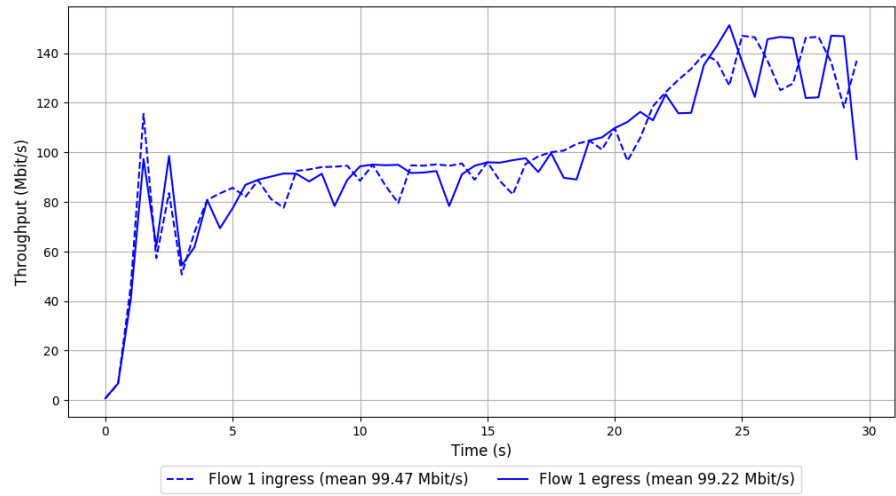
-- Flow 1:

Average throughput: 99.22 Mbit/s

95th percentile per-packet one-way delay: 97.348 ms

Loss rate: 0.82%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 06:32:40

End at: 2018-04-17 06:33:10

Below is generated by plot.py at 2018-04-17 10:16:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.37 Mbit/s

95th percentile per-packet one-way delay: 98.092 ms

Loss rate: 0.64%

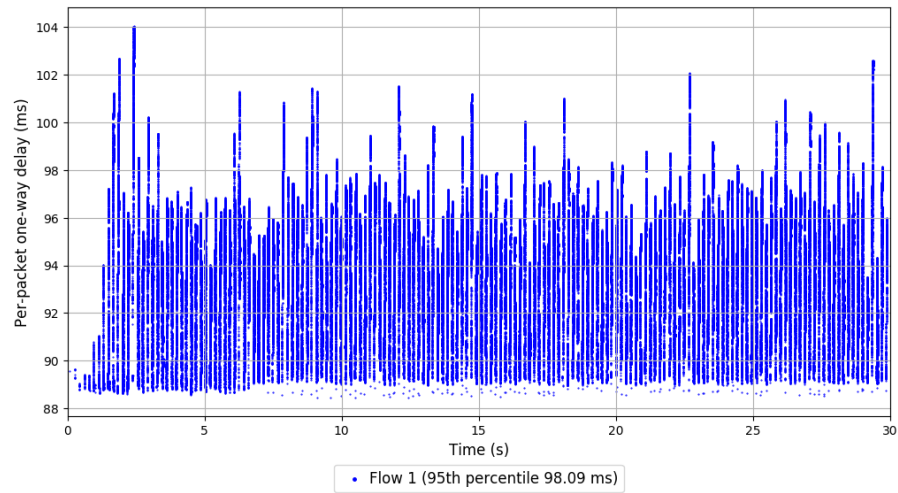
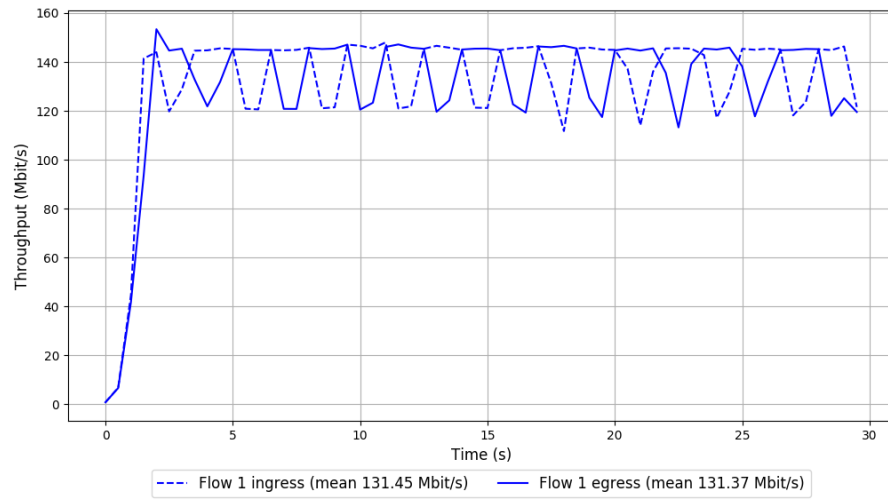
-- Flow 1:

Average throughput: 131.37 Mbit/s

95th percentile per-packet one-way delay: 98.092 ms

Loss rate: 0.64%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 06:46:24

End at: 2018-04-17 06:46:54

Below is generated by plot.py at 2018-04-17 10:16:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.07 Mbit/s

95th percentile per-packet one-way delay: 97.102 ms

Loss rate: 0.49%

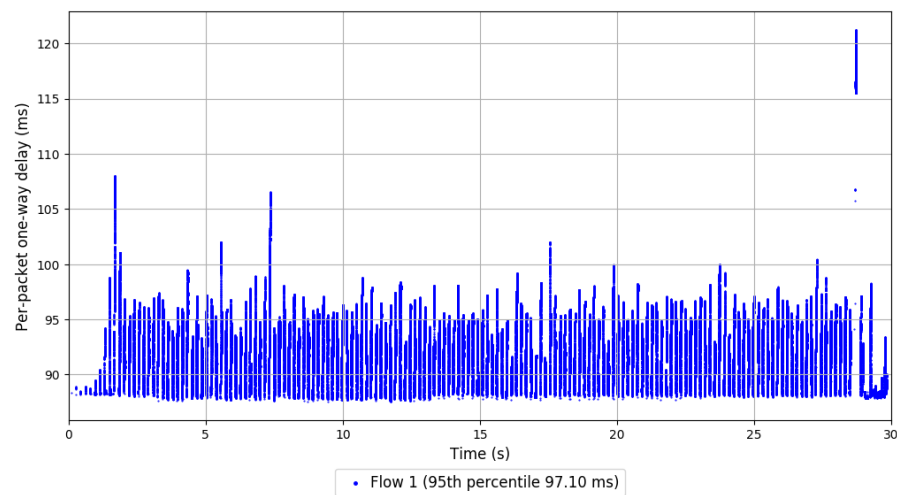
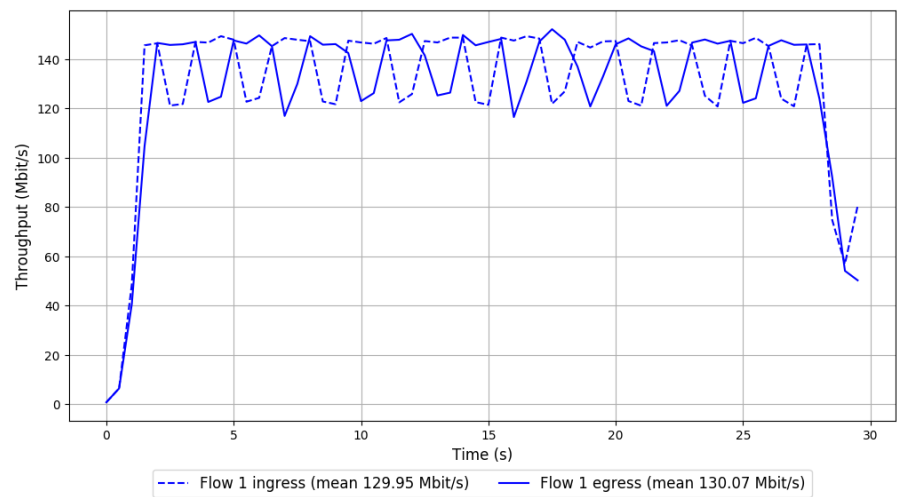
-- Flow 1:

Average throughput: 130.07 Mbit/s

95th percentile per-packet one-way delay: 97.102 ms

Loss rate: 0.49%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 07:00:07

End at: 2018-04-17 07:00:37

Below is generated by plot.py at 2018-04-17 10:17:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.94 Mbit/s

95th percentile per-packet one-way delay: 96.745 ms

Loss rate: 0.61%

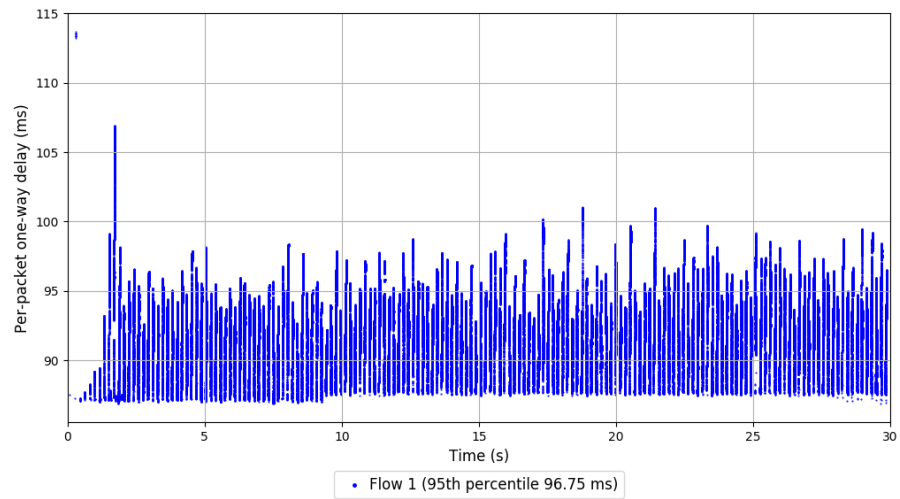
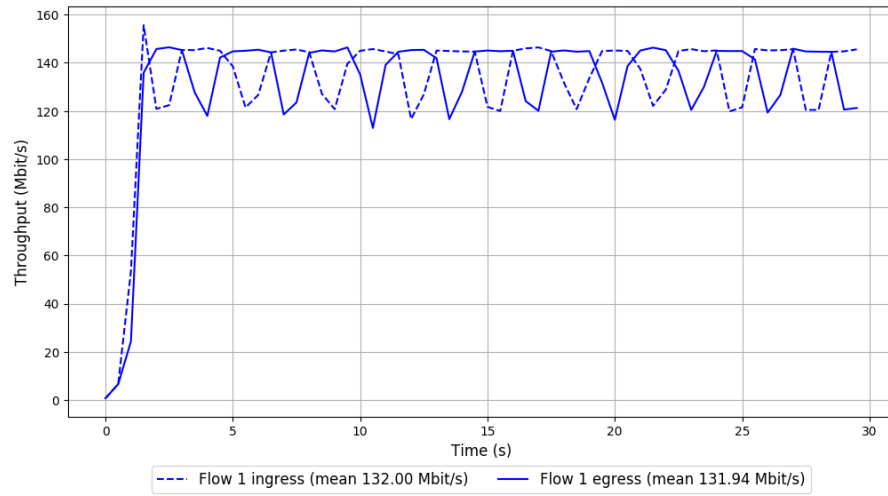
-- Flow 1:

Average throughput: 131.94 Mbit/s

95th percentile per-packet one-way delay: 96.745 ms

Loss rate: 0.61%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 07:14:09

End at: 2018-04-17 07:14:39

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.13 Mbit/s

95th percentile per-packet one-way delay: 97.062 ms

Loss rate: 0.61%

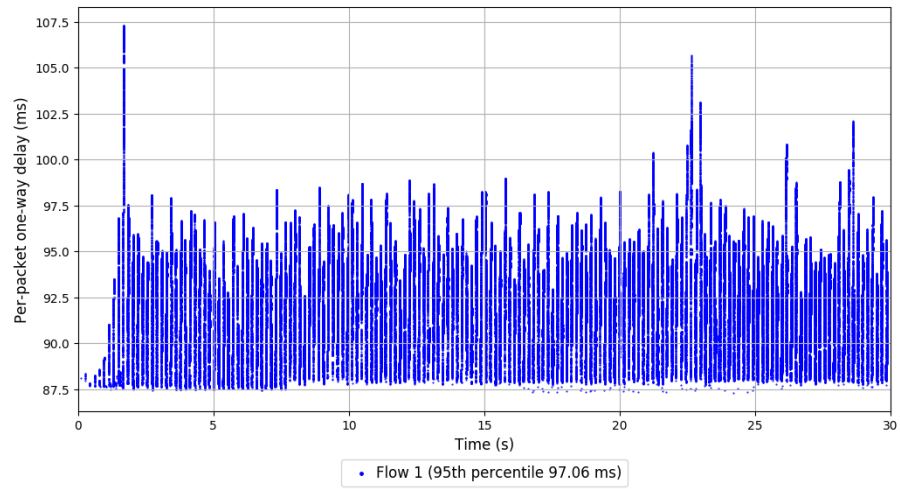
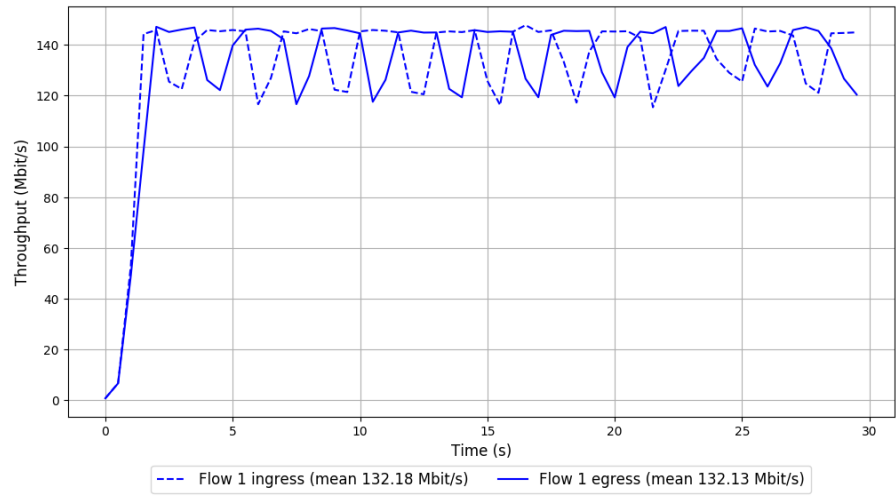
-- Flow 1:

Average throughput: 132.13 Mbit/s

95th percentile per-packet one-way delay: 97.062 ms

Loss rate: 0.61%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 07:27:51

End at: 2018-04-17 07:28:21

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.23 Mbit/s

95th percentile per-packet one-way delay: 95.131 ms

Loss rate: 0.55%

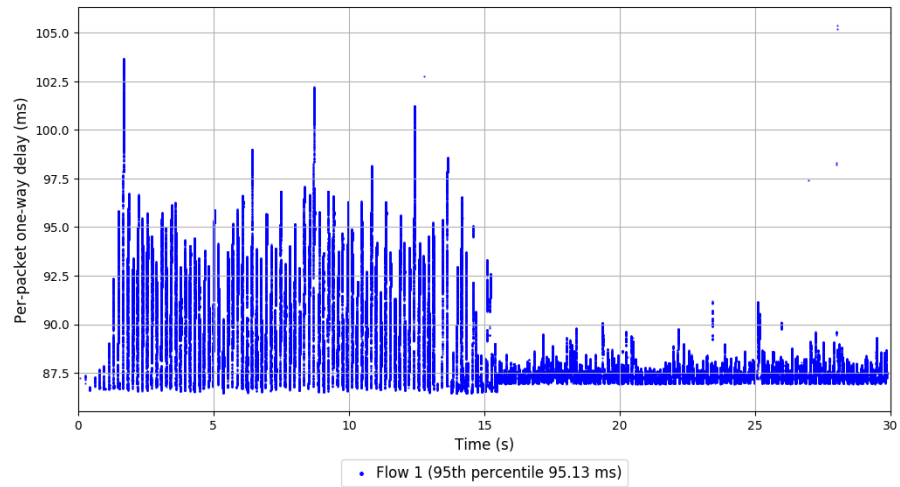
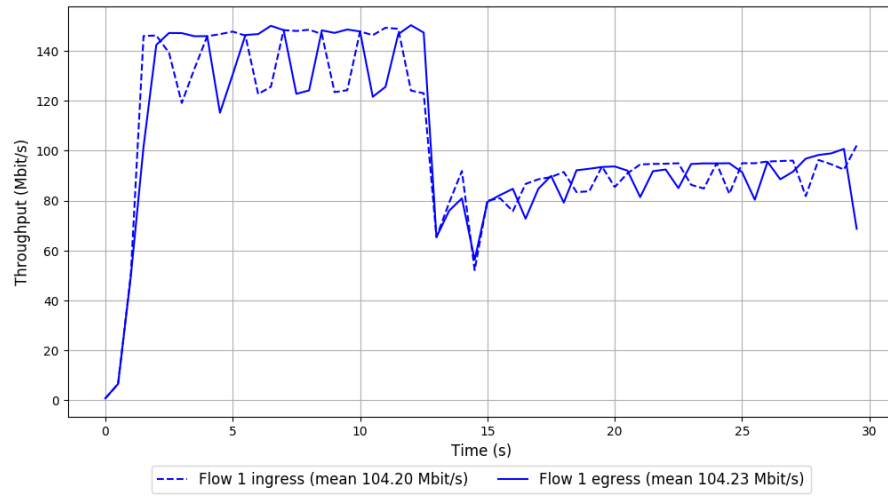
-- Flow 1:

Average throughput: 104.23 Mbit/s

95th percentile per-packet one-way delay: 95.131 ms

Loss rate: 0.55%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 07:41:32

End at: 2018-04-17 07:42:02

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.28 Mbit/s

95th percentile per-packet one-way delay: 96.604 ms

Loss rate: 0.40%

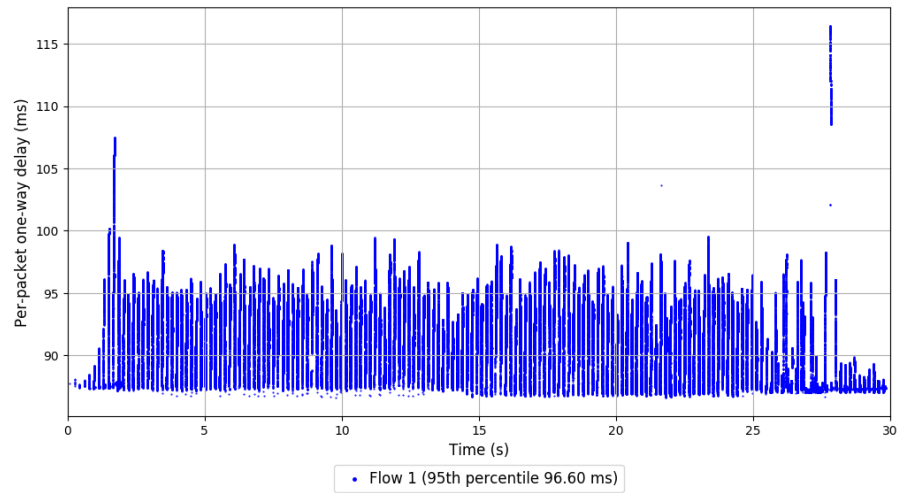
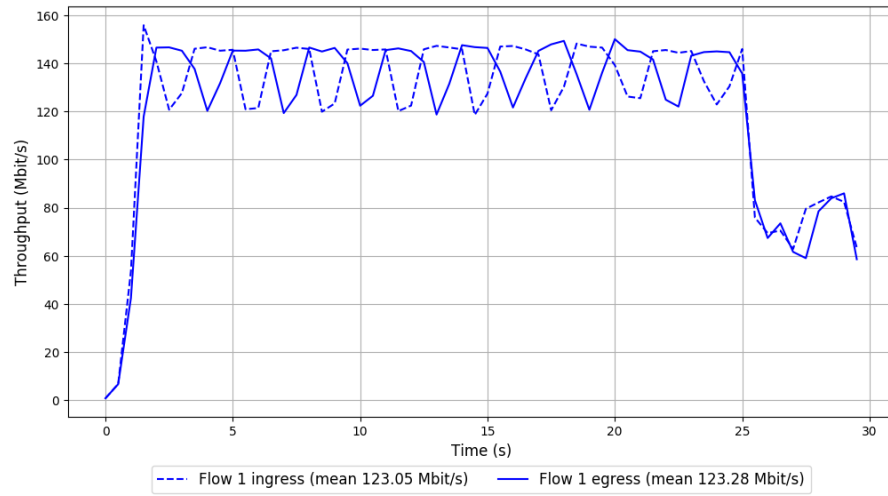
-- Flow 1:

Average throughput: 123.28 Mbit/s

95th percentile per-packet one-way delay: 96.604 ms

Loss rate: 0.40%

Run 10: Report of TCP Cubic — Data Link

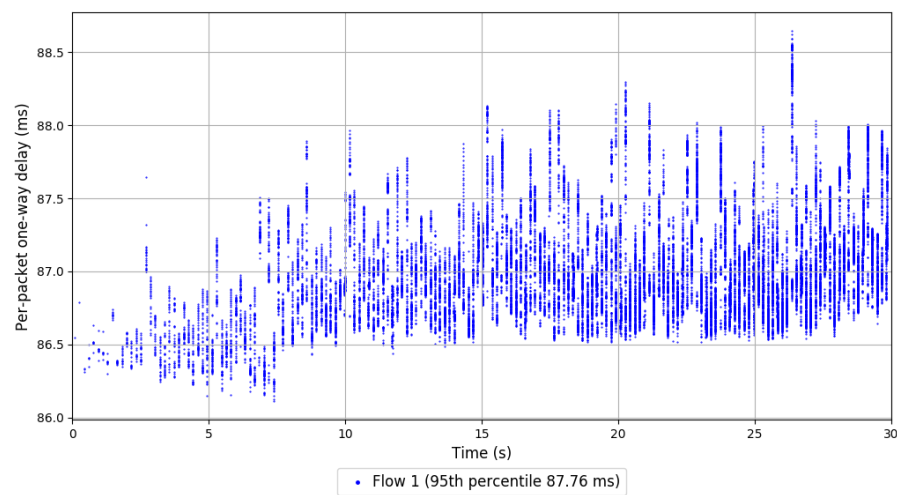
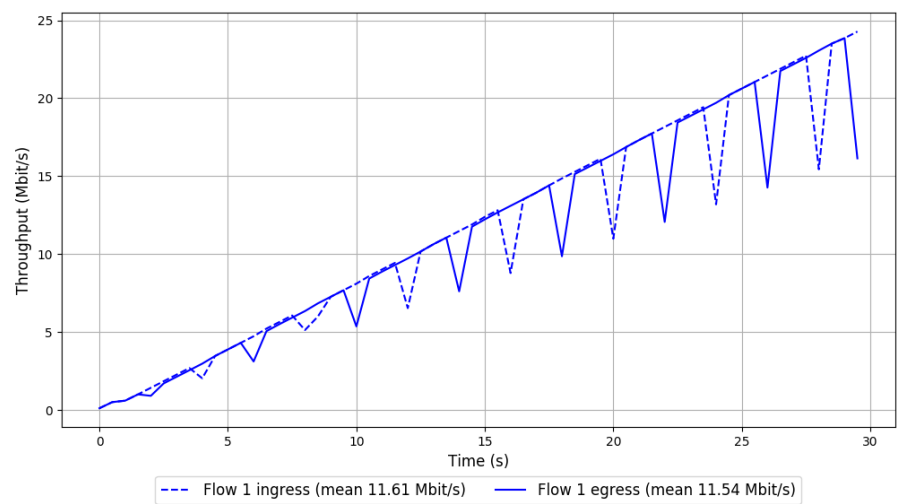


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 05:32:49
End at: 2018-04-17 05:33:19

# Below is generated by plot.py at 2018-04-17 10:18:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 87.757 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 87.757 ms
Loss rate: 1.17%
```

Run 1: Report of LEDBAT — Data Link

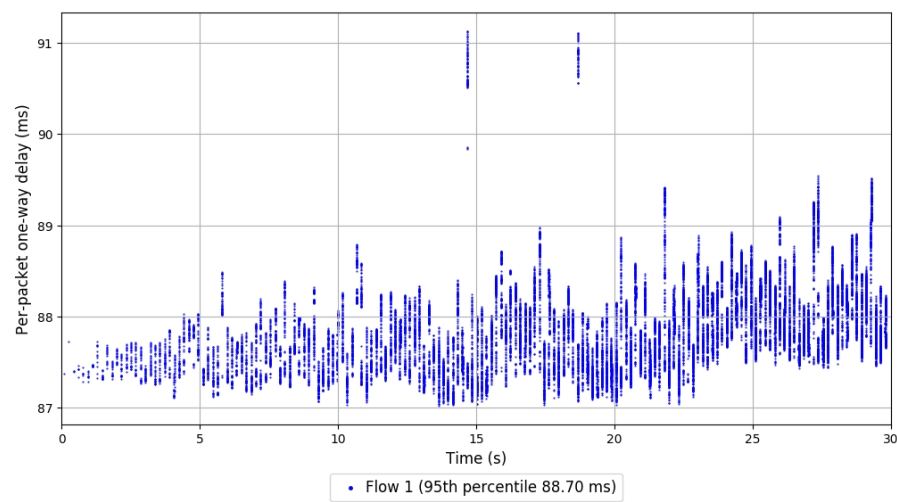
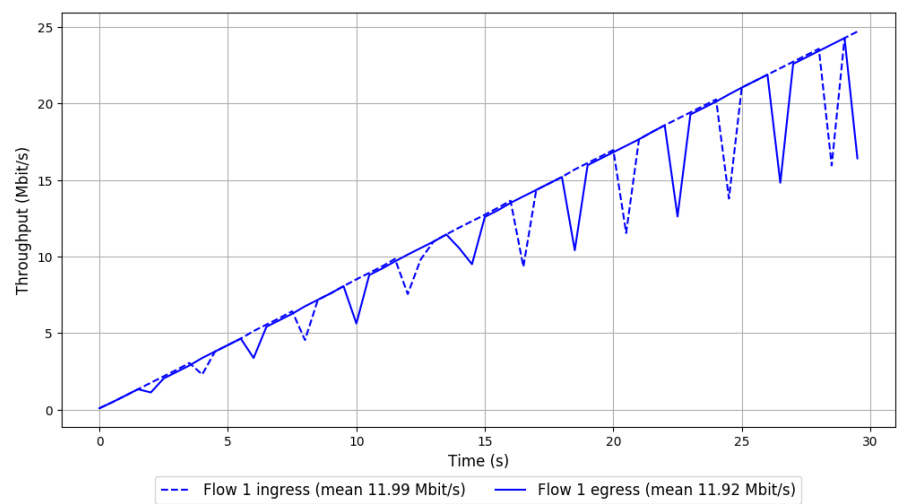


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-17 05:46:44
End at: 2018-04-17 05:47:14

# Below is generated by plot.py at 2018-04-17 10:18:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 88.705 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 88.705 ms
Loss rate: 1.16%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-17 06:00:27

End at: 2018-04-17 06:00:57

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 88.958 ms

Loss rate: 1.16%

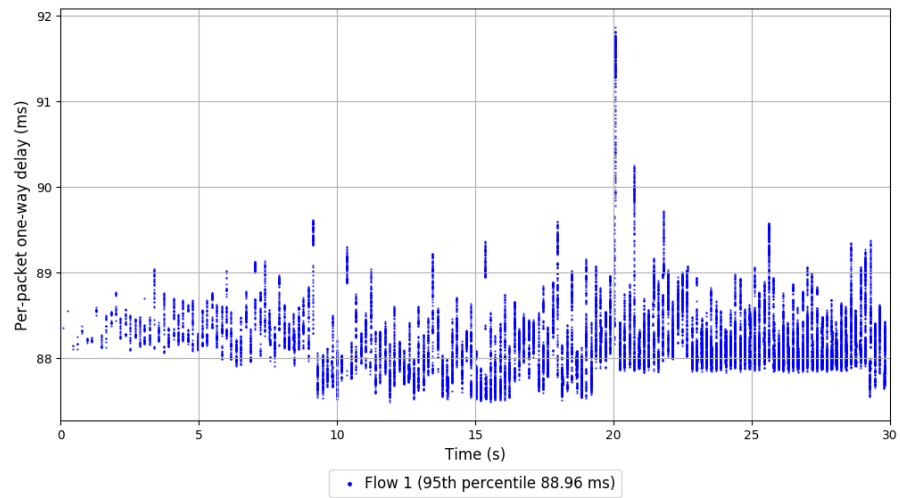
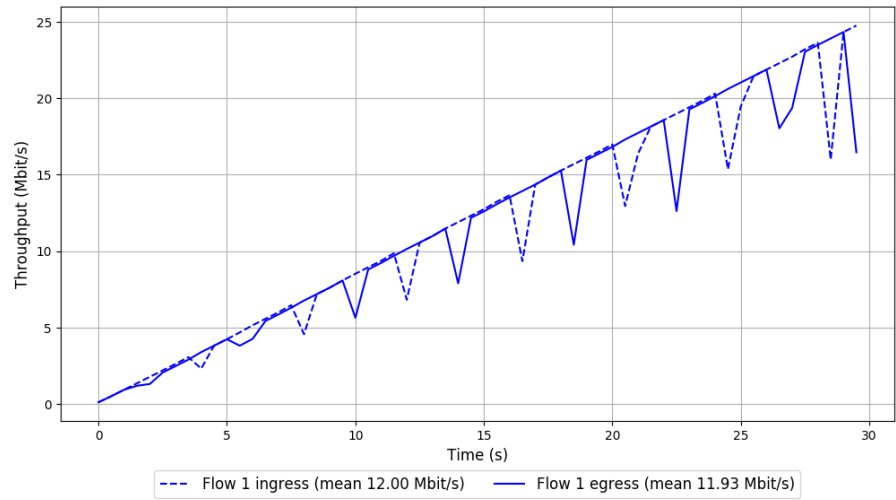
-- Flow 1:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 88.958 ms

Loss rate: 1.16%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-17 06:14:09

End at: 2018-04-17 06:14:39

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.89 Mbit/s

95th percentile per-packet one-way delay: 89.382 ms

Loss rate: 1.16%

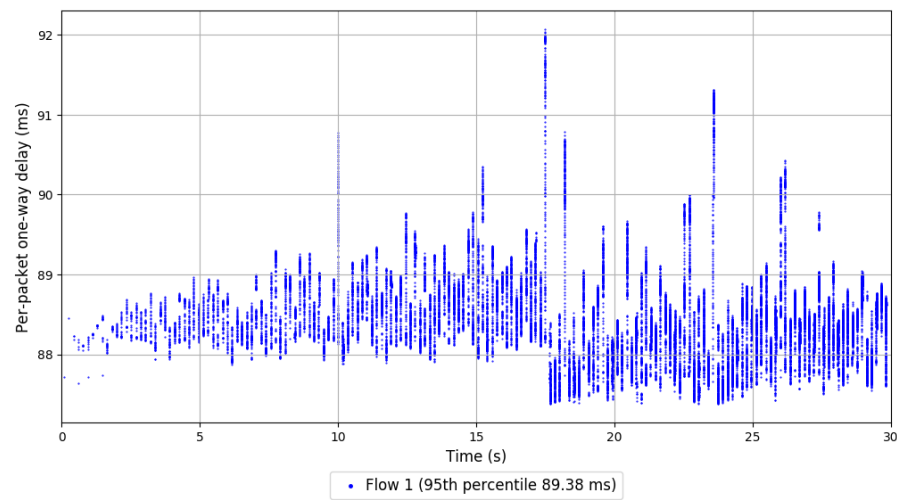
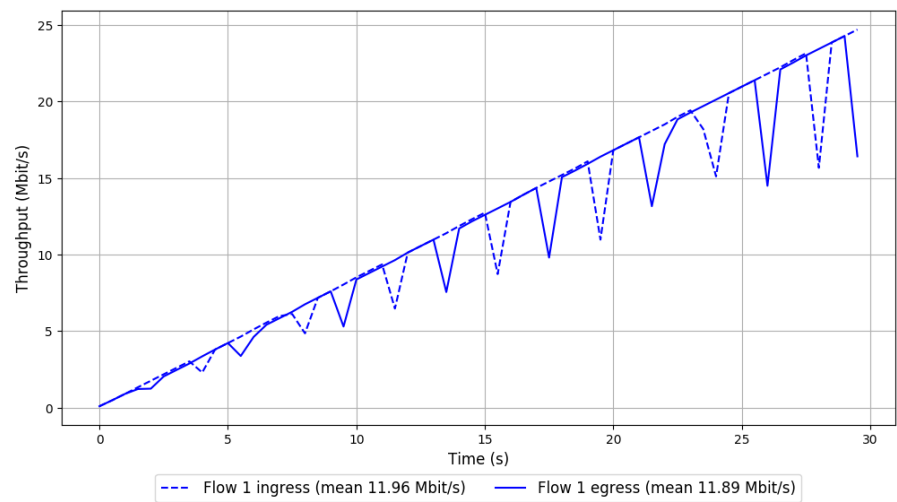
-- Flow 1:

Average throughput: 11.89 Mbit/s

95th percentile per-packet one-way delay: 89.382 ms

Loss rate: 1.16%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-17 06:27:58

End at: 2018-04-17 06:28:28

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 90.025 ms

Loss rate: 1.16%

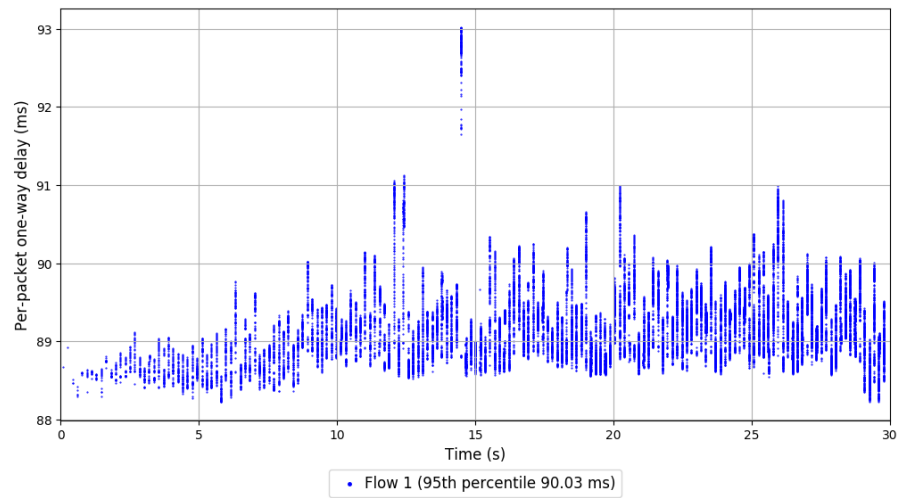
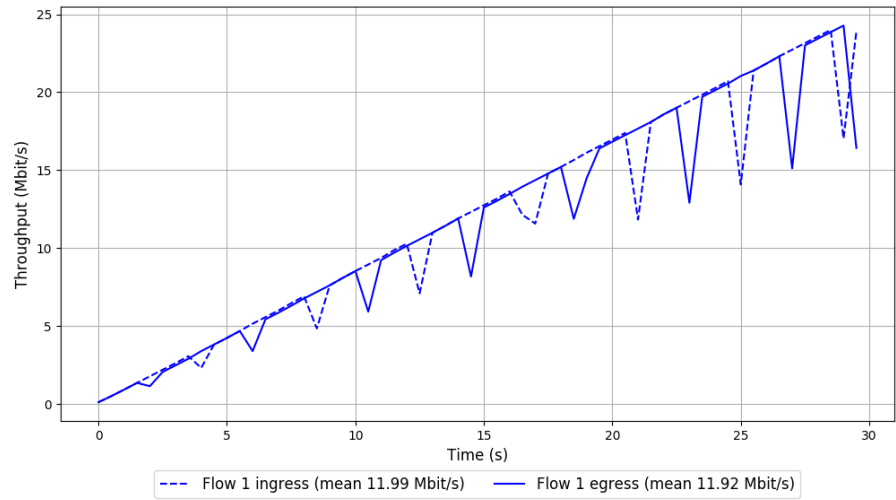
-- Flow 1:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 90.025 ms

Loss rate: 1.16%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-17 06:41:37

End at: 2018-04-17 06:42:07

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.90 Mbit/s

95th percentile per-packet one-way delay: 90.595 ms

Loss rate: 1.16%

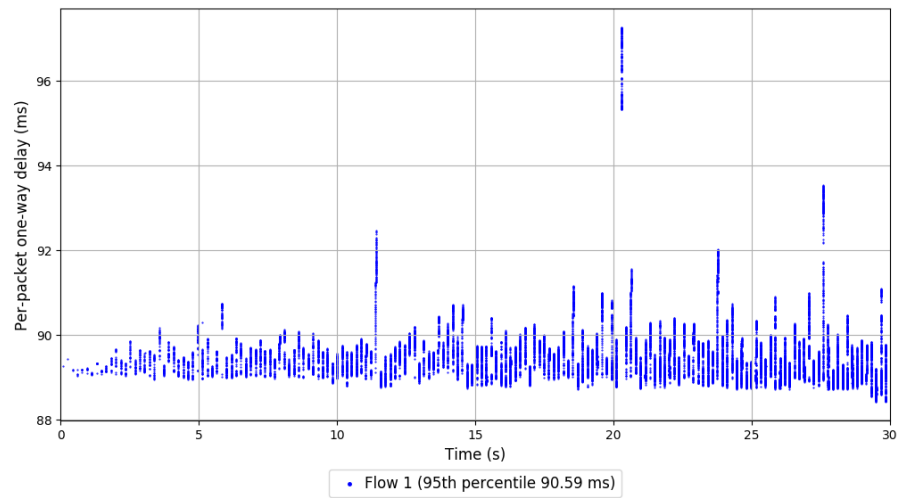
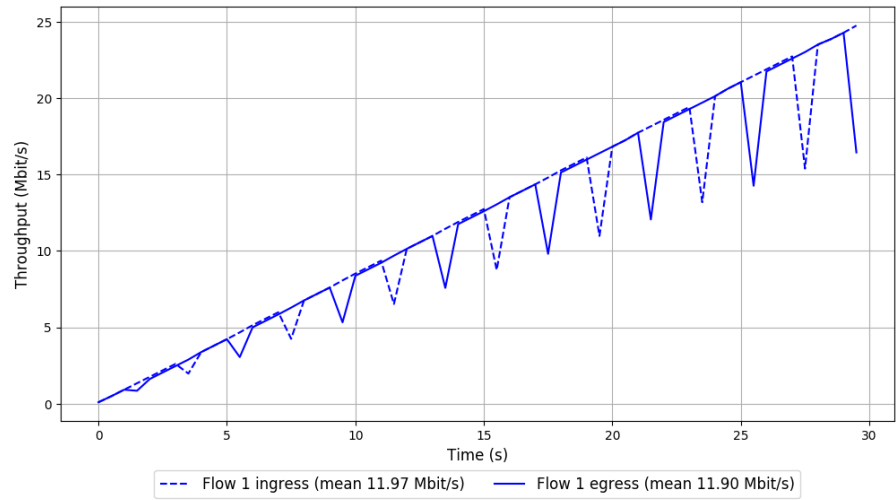
-- Flow 1:

Average throughput: 11.90 Mbit/s

95th percentile per-packet one-way delay: 90.595 ms

Loss rate: 1.16%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-17 06:55:25

End at: 2018-04-17 06:55:55

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 88.525 ms

Loss rate: 1.16%

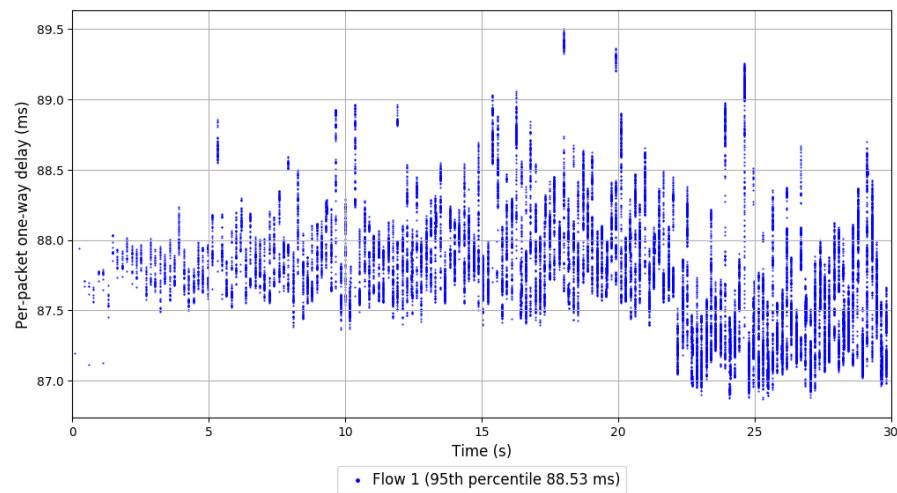
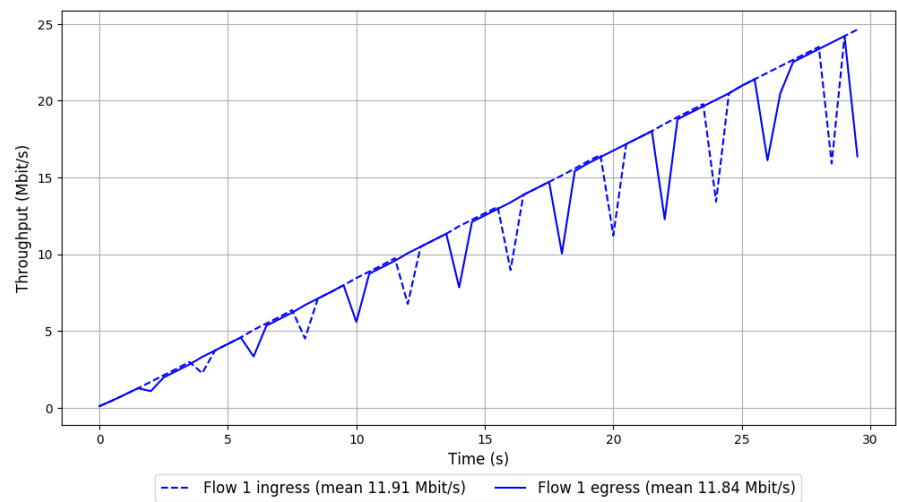
-- Flow 1:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 88.525 ms

Loss rate: 1.16%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-17 07:09:23

End at: 2018-04-17 07:09:53

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 88.674 ms

Loss rate: 1.16%

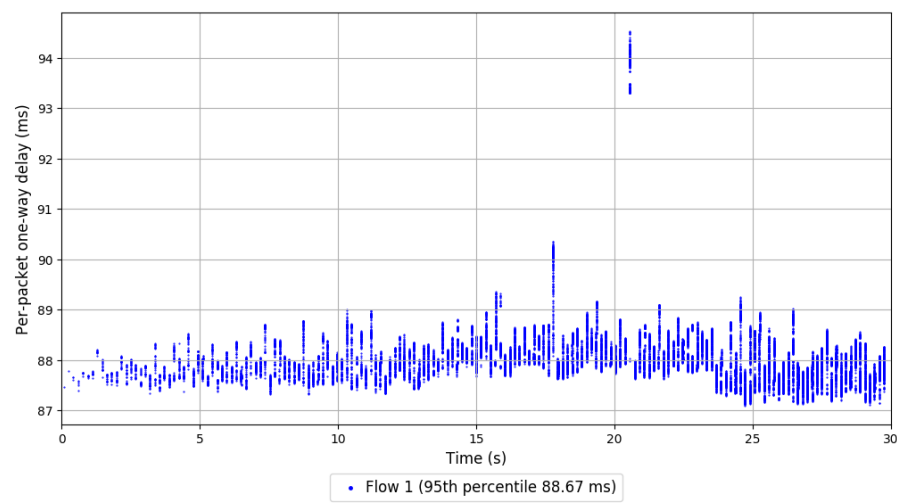
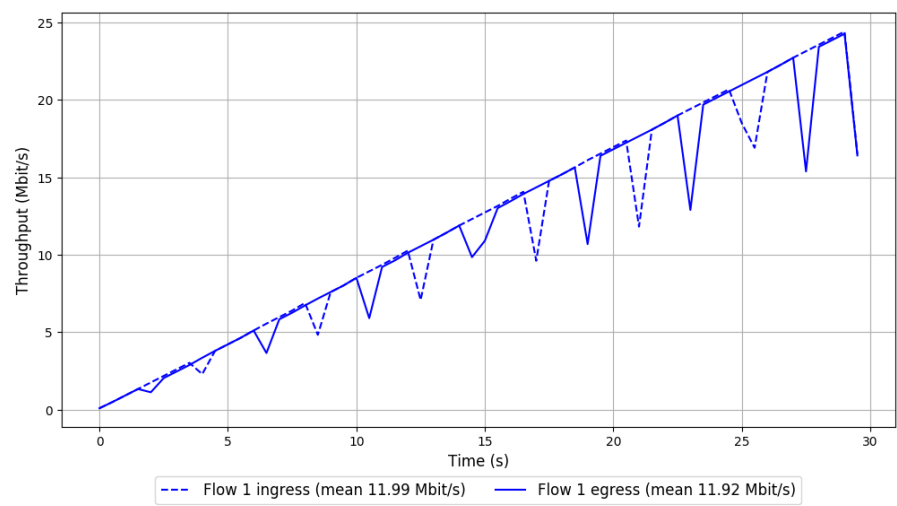
-- Flow 1:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 88.674 ms

Loss rate: 1.16%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-17 07:23:09

End at: 2018-04-17 07:23:39

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 88.130 ms

Loss rate: 1.16%

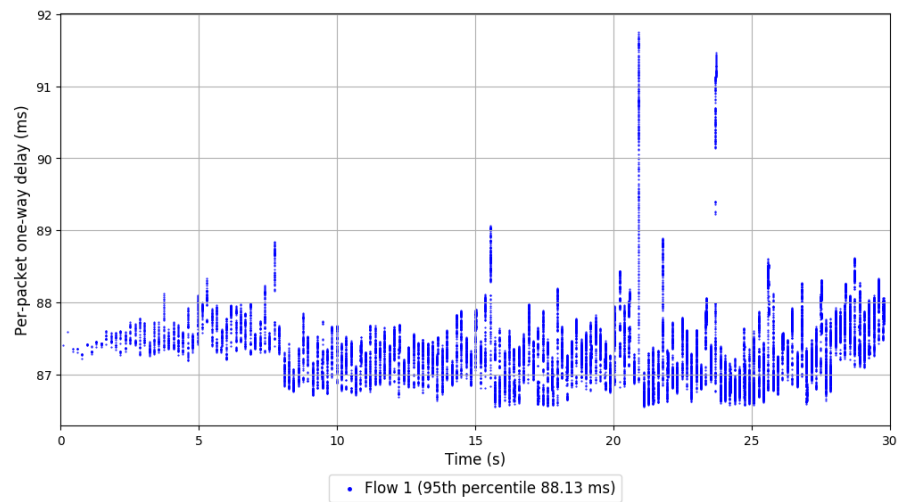
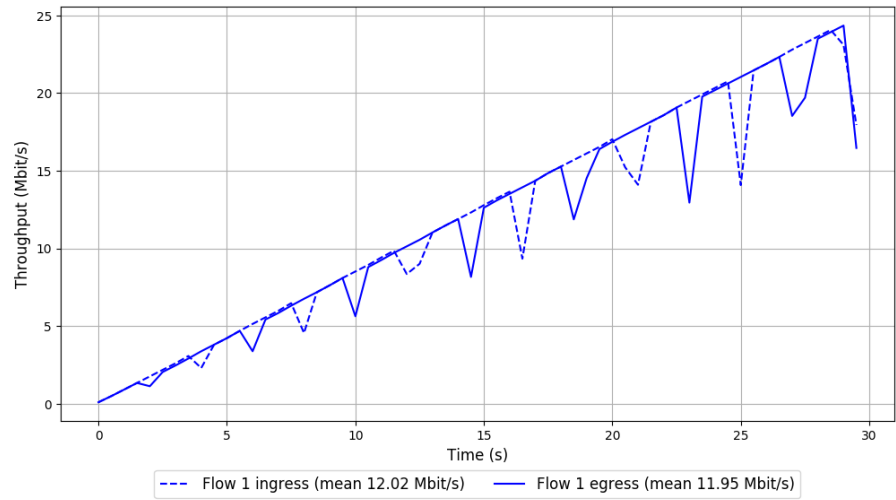
-- Flow 1:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 88.130 ms

Loss rate: 1.16%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-17 07:36:48

End at: 2018-04-17 07:37:18

Below is generated by plot.py at 2018-04-17 10:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 88.684 ms

Loss rate: 1.49%

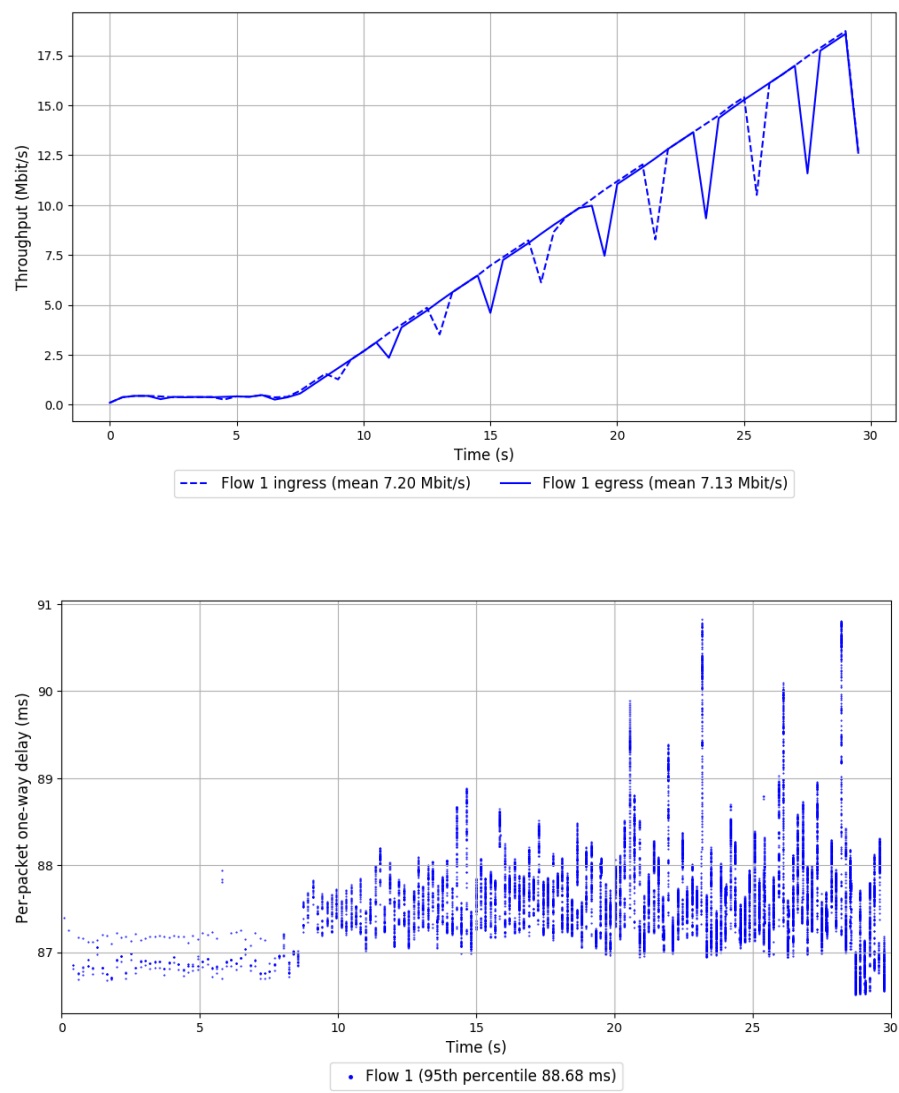
-- Flow 1:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 88.684 ms

Loss rate: 1.49%

Run 10: Report of LEDBAT — Data Link

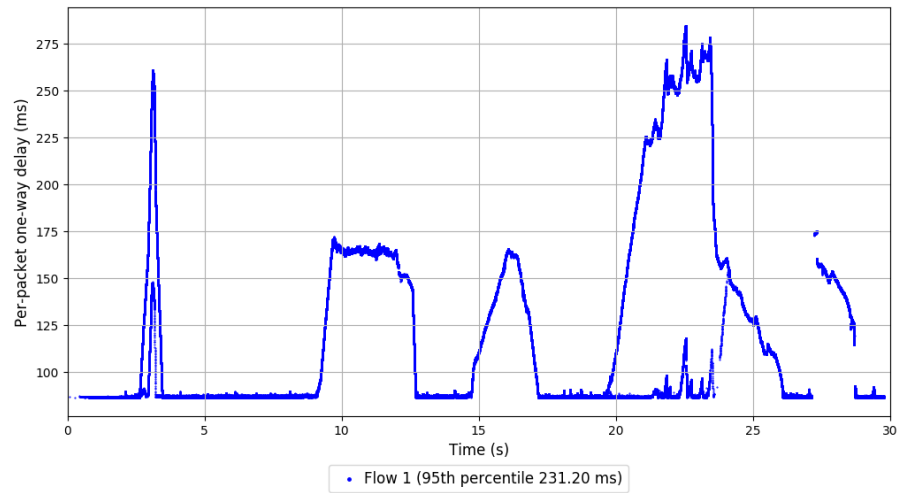
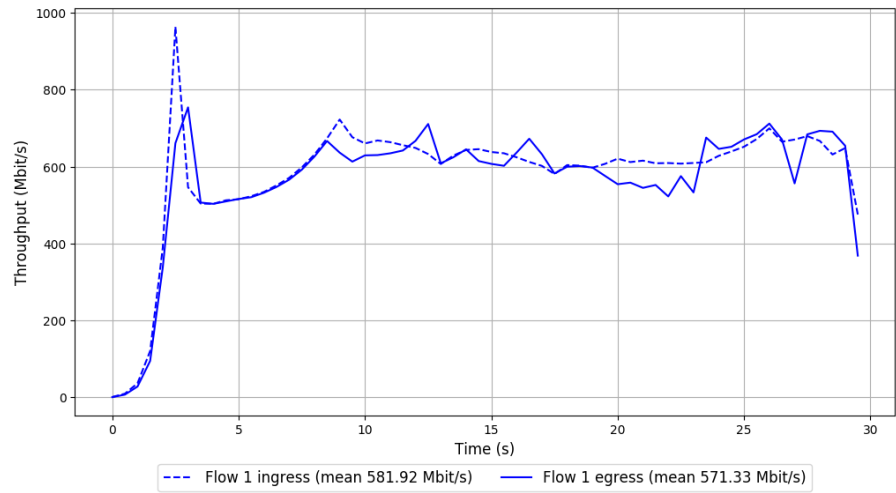


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 05:43:26
End at: 2018-04-17 05:43:56

# Below is generated by plot.py at 2018-04-17 10:26:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 571.33 Mbit/s
95th percentile per-packet one-way delay: 231.204 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 571.33 Mbit/s
95th percentile per-packet one-way delay: 231.204 ms
Loss rate: 2.39%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 05:57:09

End at: 2018-04-17 05:57:39

Below is generated by plot.py at 2018-04-17 10:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 590.67 Mbit/s

95th percentile per-packet one-way delay: 162.834 ms

Loss rate: 1.27%

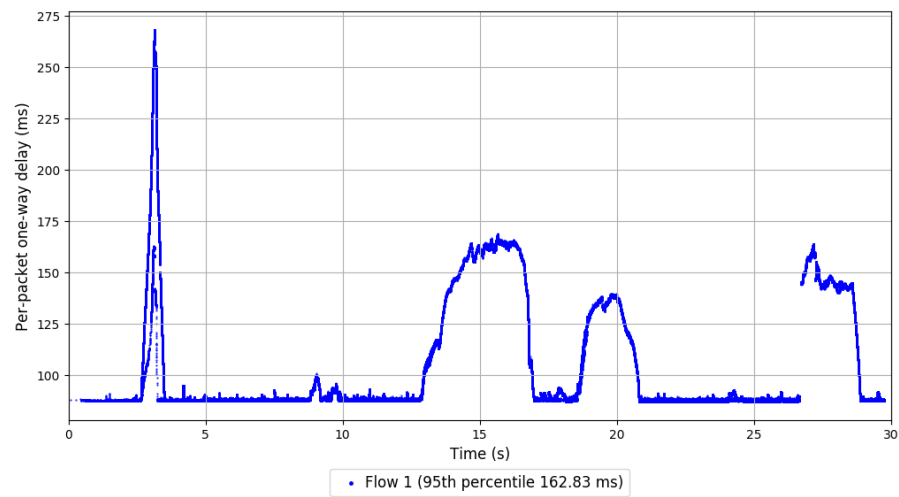
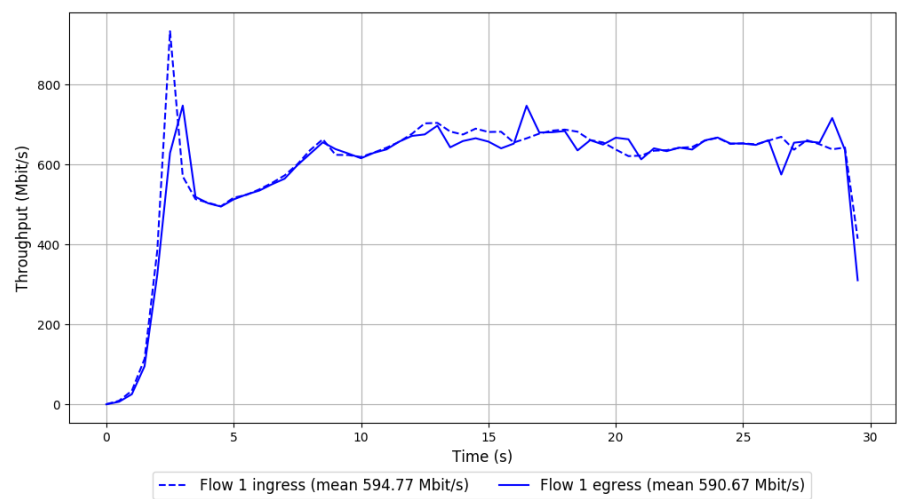
-- Flow 1:

Average throughput: 590.67 Mbit/s

95th percentile per-packet one-way delay: 162.834 ms

Loss rate: 1.27%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 06:10:52

End at: 2018-04-17 06:11:22

Below is generated by plot.py at 2018-04-17 10:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 579.69 Mbit/s

95th percentile per-packet one-way delay: 162.572 ms

Loss rate: 1.12%

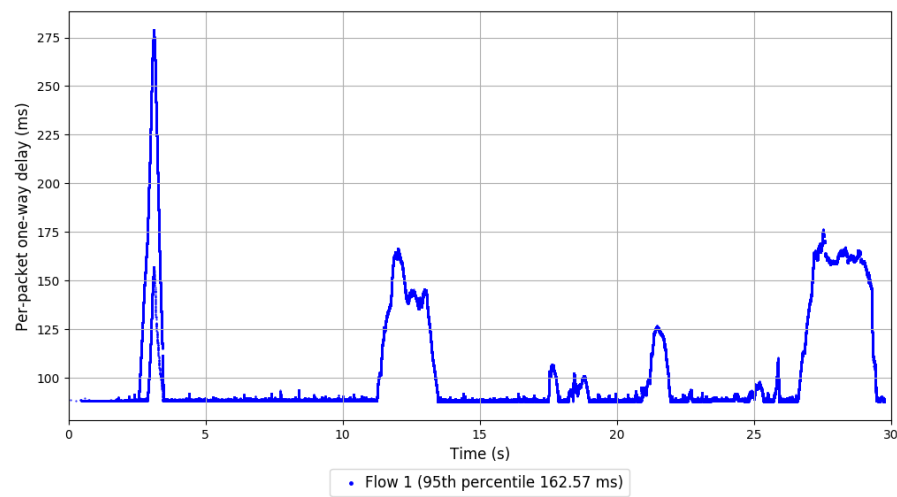
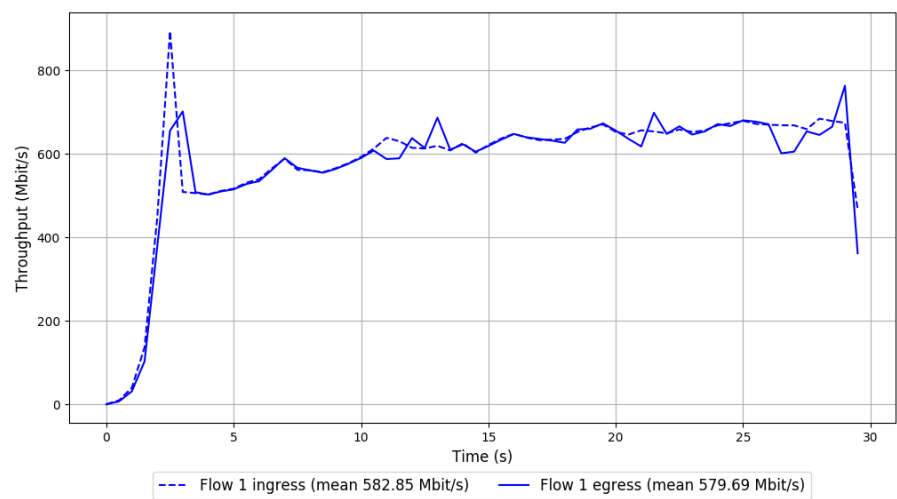
-- Flow 1:

Average throughput: 579.69 Mbit/s

95th percentile per-packet one-way delay: 162.572 ms

Loss rate: 1.12%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 06:24:40

End at: 2018-04-17 06:25:10

Below is generated by plot.py at 2018-04-17 10:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 580.91 Mbit/s

95th percentile per-packet one-way delay: 231.639 ms

Loss rate: 2.94%

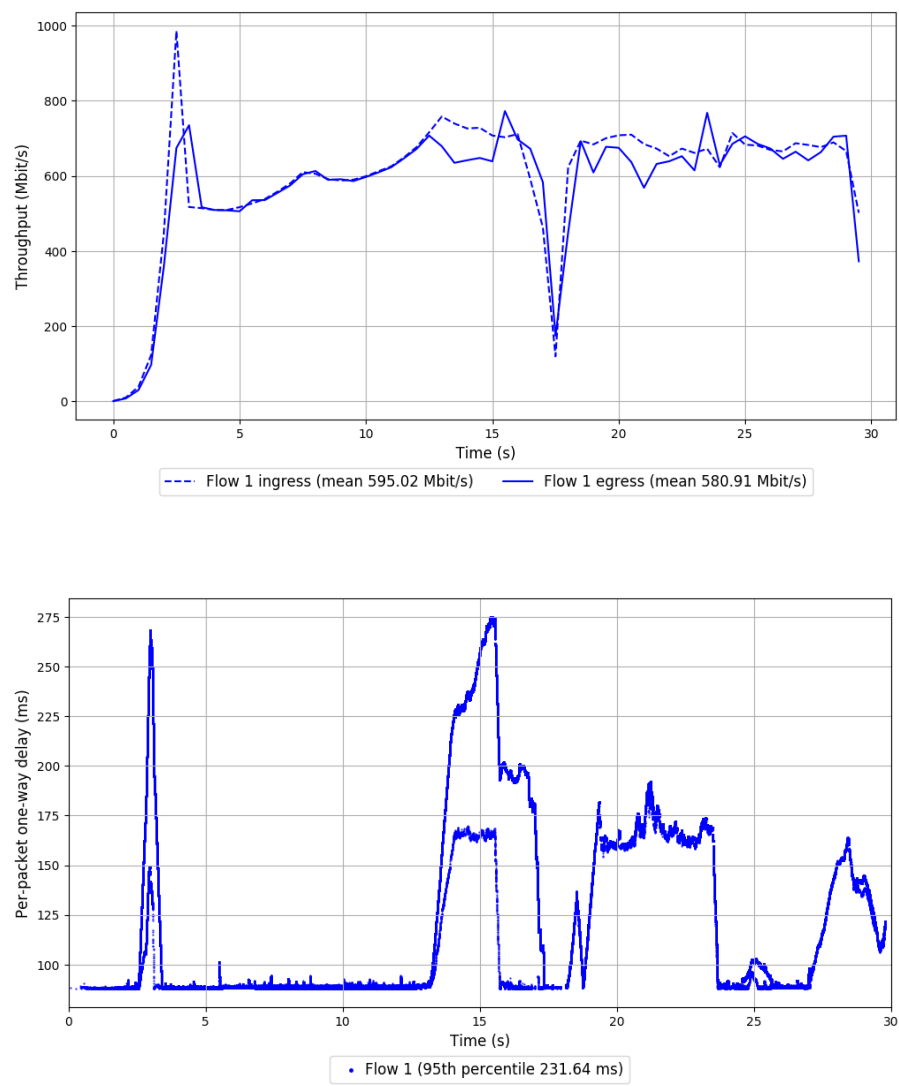
-- Flow 1:

Average throughput: 580.91 Mbit/s

95th percentile per-packet one-way delay: 231.639 ms

Loss rate: 2.94%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 06:38:20

End at: 2018-04-17 06:38:50

Below is generated by plot.py at 2018-04-17 10:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 526.39 Mbit/s

95th percentile per-packet one-way delay: 183.657 ms

Loss rate: 1.87%

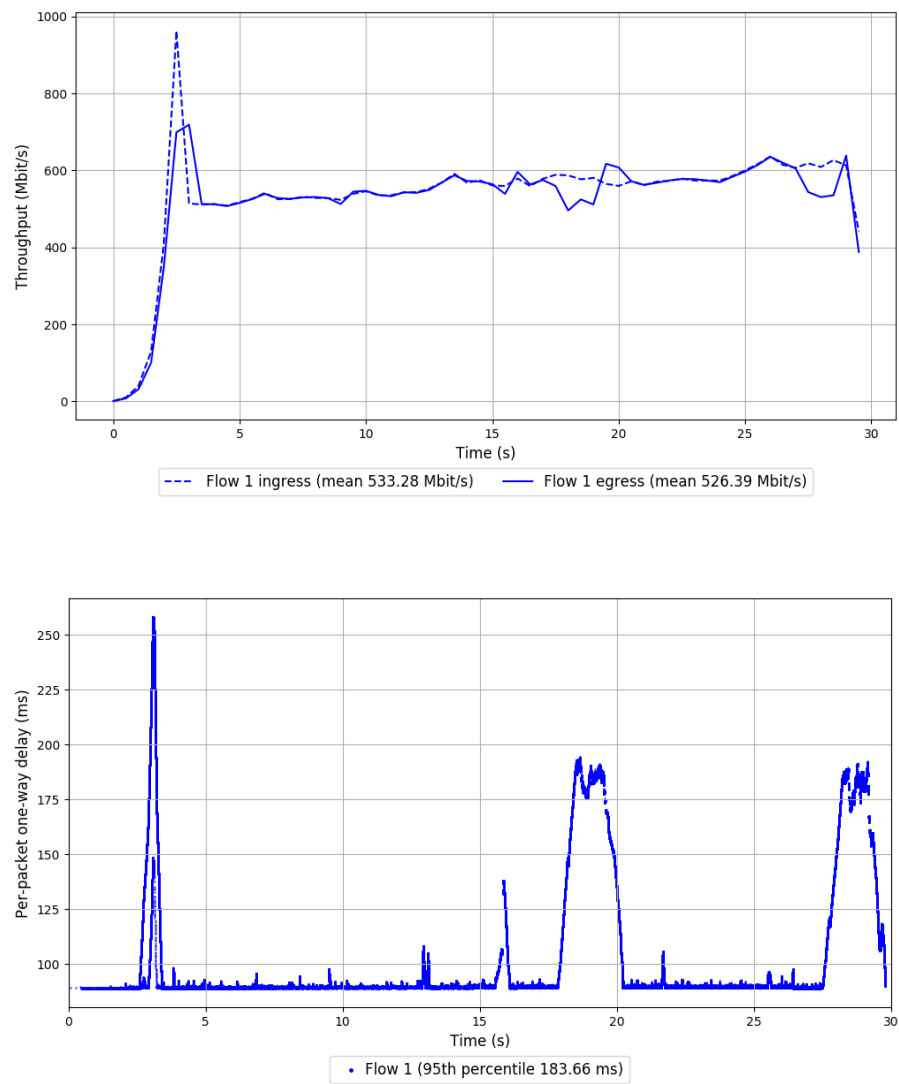
-- Flow 1:

Average throughput: 526.39 Mbit/s

95th percentile per-packet one-way delay: 183.657 ms

Loss rate: 1.87%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 06:52:07

End at: 2018-04-17 06:52:37

Below is generated by plot.py at 2018-04-17 10:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 556.31 Mbit/s

95th percentile per-packet one-way delay: 170.859 ms

Loss rate: 2.55%

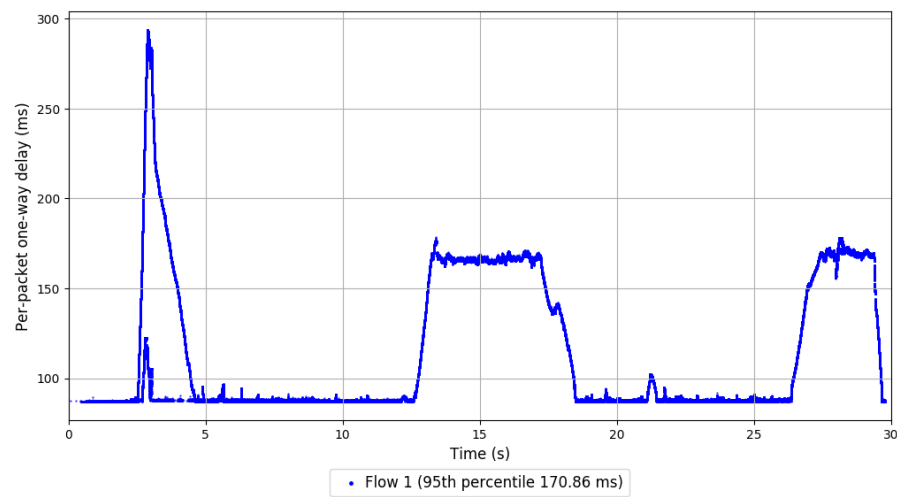
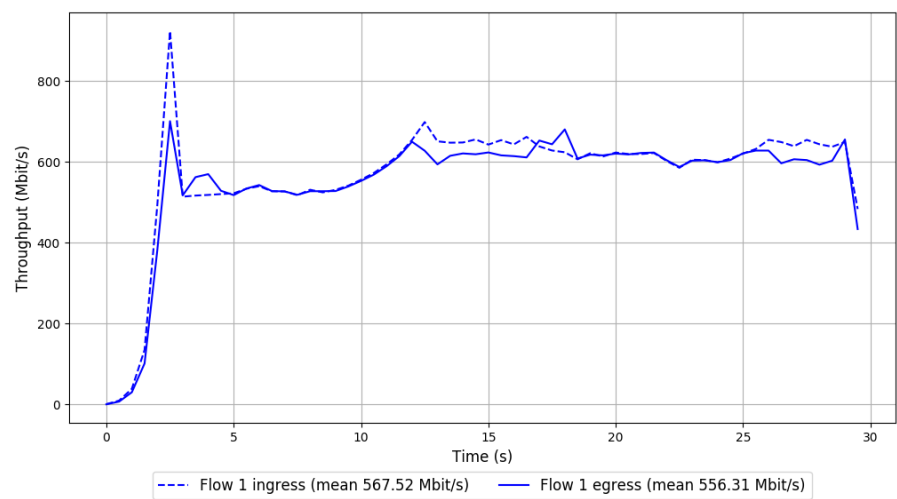
-- Flow 1:

Average throughput: 556.31 Mbit/s

95th percentile per-packet one-way delay: 170.859 ms

Loss rate: 2.55%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 07:06:03

End at: 2018-04-17 07:06:33

Below is generated by plot.py at 2018-04-17 10:28:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 595.86 Mbit/s

95th percentile per-packet one-way delay: 187.548 ms

Loss rate: 2.36%

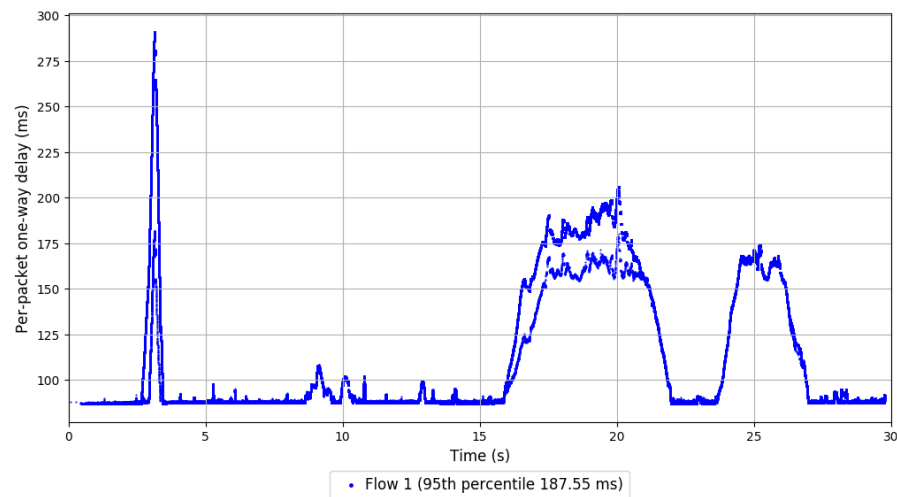
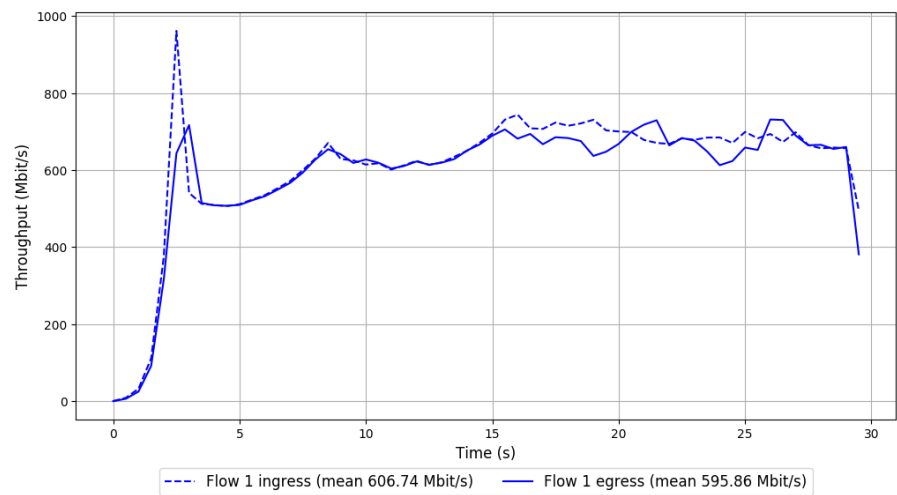
-- Flow 1:

Average throughput: 595.86 Mbit/s

95th percentile per-packet one-way delay: 187.548 ms

Loss rate: 2.36%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 07:19:52

End at: 2018-04-17 07:20:22

Below is generated by plot.py at 2018-04-17 10:28:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 555.45 Mbit/s

95th percentile per-packet one-way delay: 190.217 ms

Loss rate: 2.07%

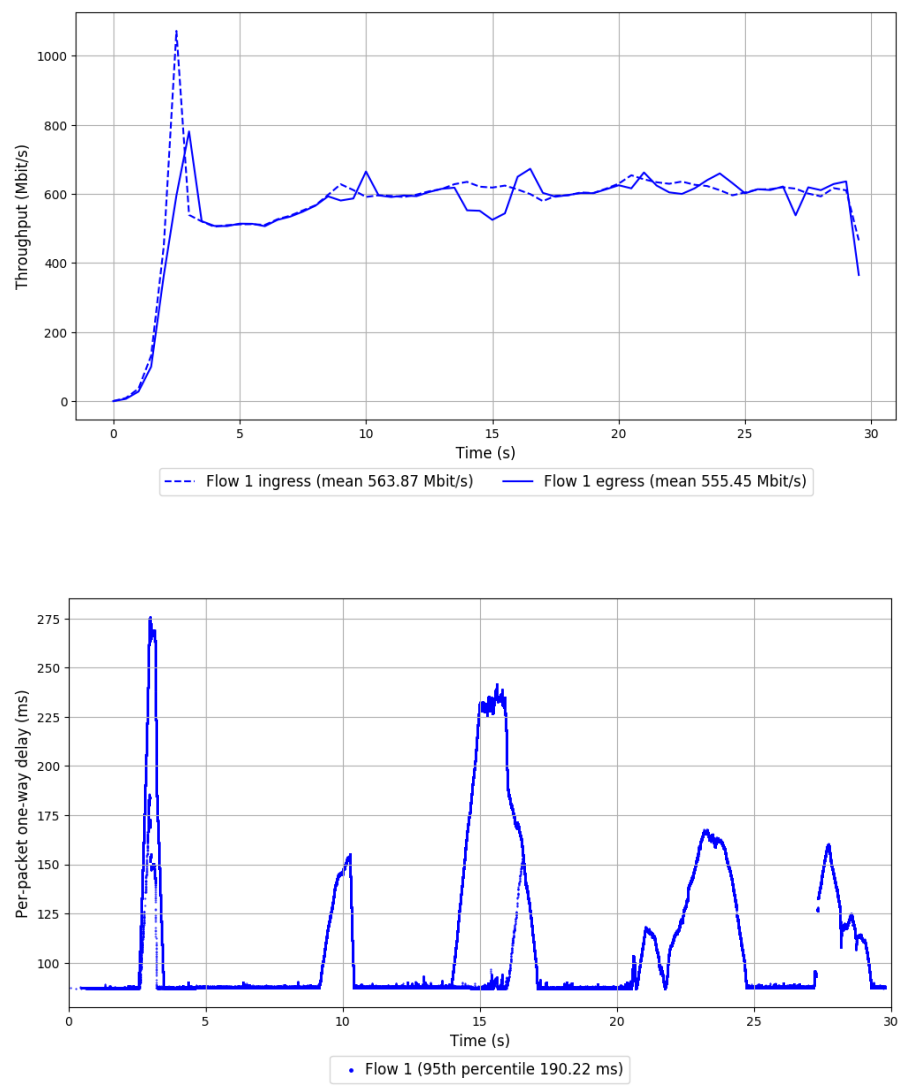
-- Flow 1:

Average throughput: 555.45 Mbit/s

95th percentile per-packet one-way delay: 190.217 ms

Loss rate: 2.07%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 07:33:30

End at: 2018-04-17 07:34:00

Below is generated by plot.py at 2018-04-17 10:36:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 557.51 Mbit/s

95th percentile per-packet one-way delay: 231.272 ms

Loss rate: 3.02%

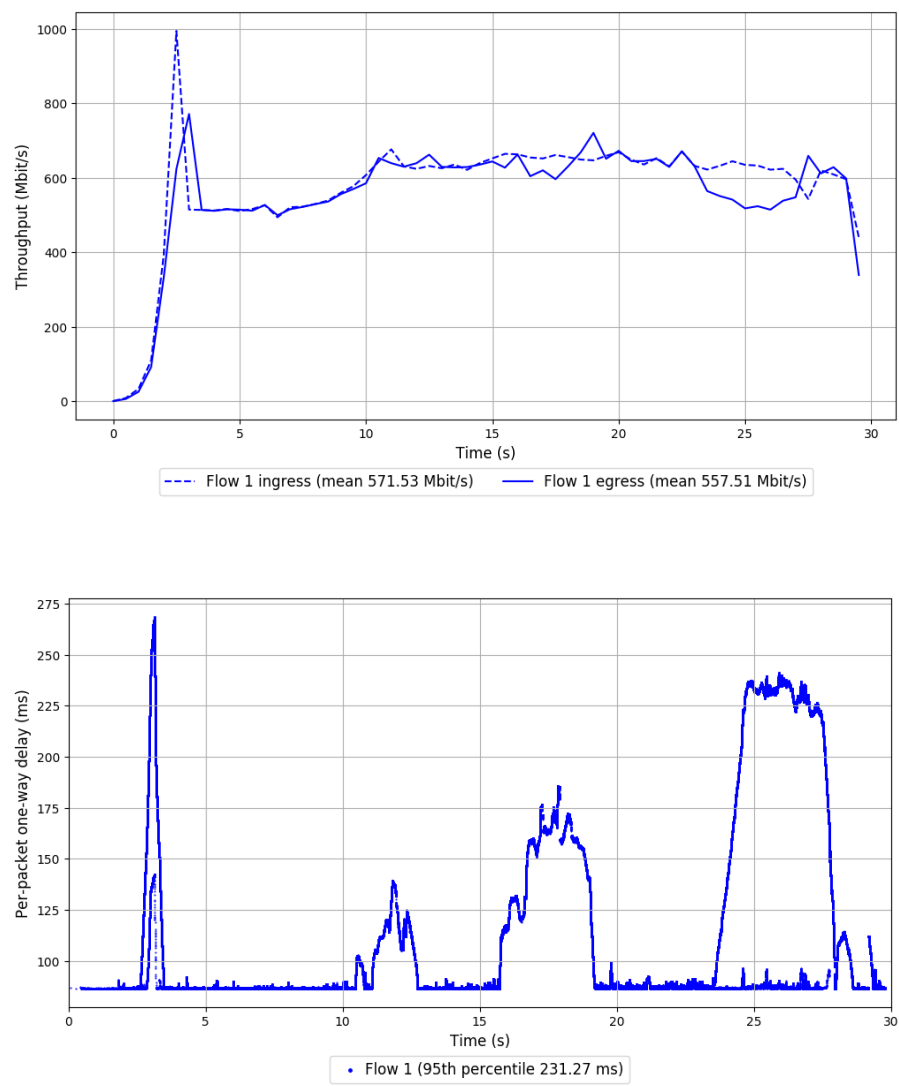
-- Flow 1:

Average throughput: 557.51 Mbit/s

95th percentile per-packet one-way delay: 231.272 ms

Loss rate: 3.02%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 07:47:16

End at: 2018-04-17 07:47:46

Below is generated by plot.py at 2018-04-17 10:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 587.64 Mbit/s

95th percentile per-packet one-way delay: 163.794 ms

Loss rate: 1.59%

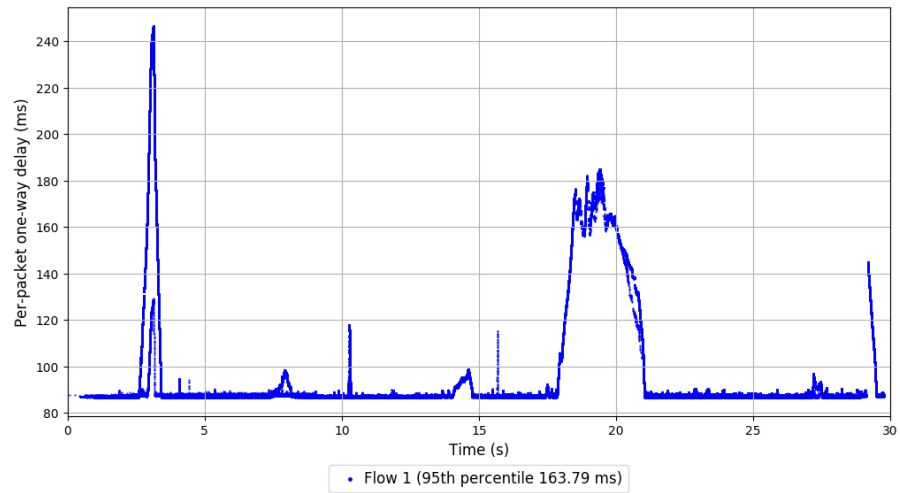
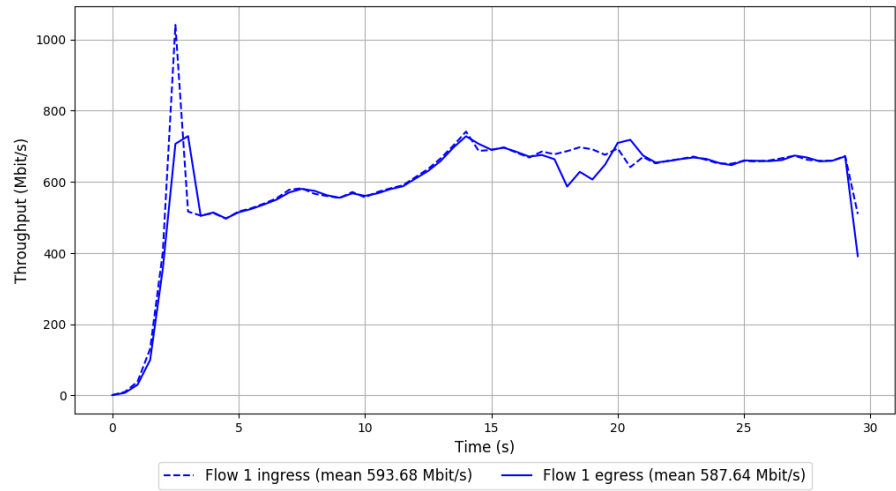
-- Flow 1:

Average throughput: 587.64 Mbit/s

95th percentile per-packet one-way delay: 163.794 ms

Loss rate: 1.59%

Run 10: Report of PCC-Allegro — Data Link

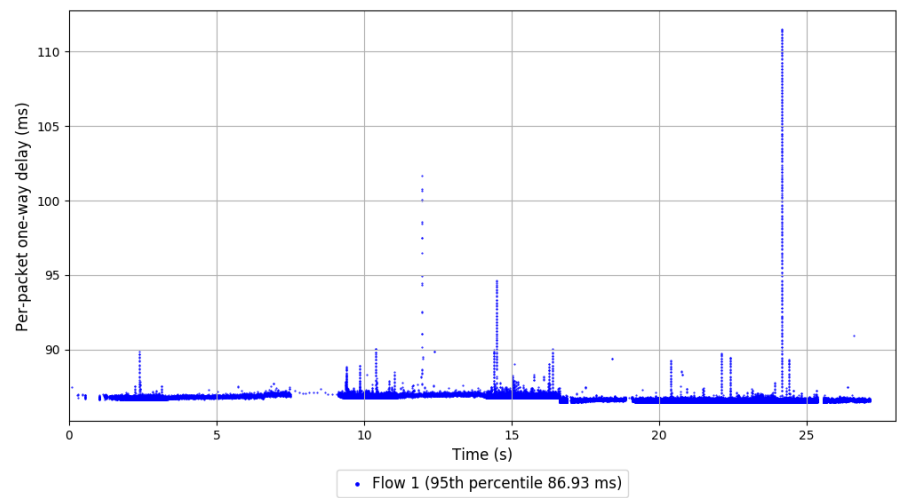
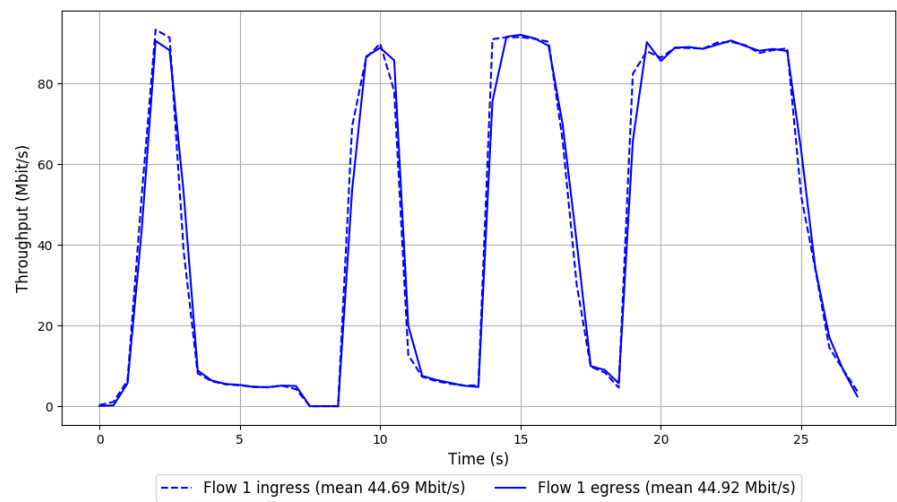


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 05:41:07
End at: 2018-04-17 05:41:37

# Below is generated by plot.py at 2018-04-17 10:36:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 86.926 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 86.926 ms
Loss rate: 0.11%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 05:54:52

End at: 2018-04-17 05:55:22

Below is generated by plot.py at 2018-04-17 10:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.80 Mbit/s

95th percentile per-packet one-way delay: 87.415 ms

Loss rate: 0.91%

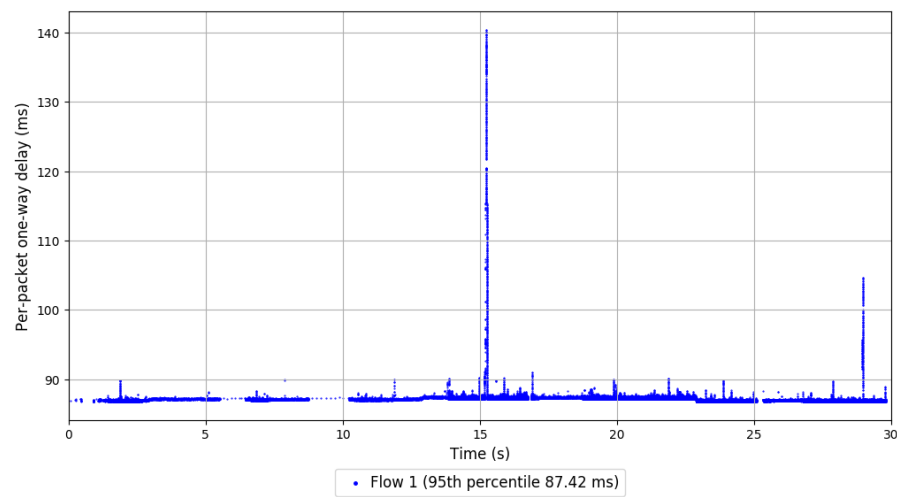
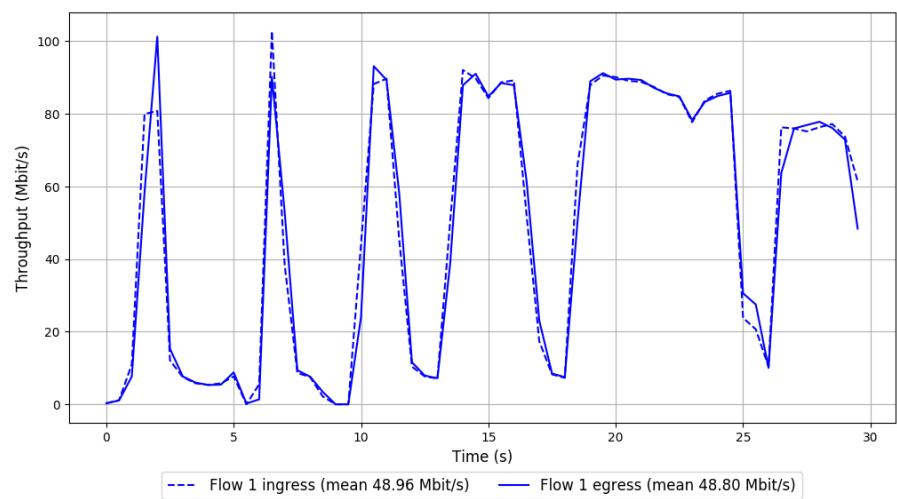
-- Flow 1:

Average throughput: 48.80 Mbit/s

95th percentile per-packet one-way delay: 87.415 ms

Loss rate: 0.91%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 06:08:34

End at: 2018-04-17 06:09:04

Below is generated by plot.py at 2018-04-17 10:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.19 Mbit/s

95th percentile per-packet one-way delay: 88.177 ms

Loss rate: 0.93%

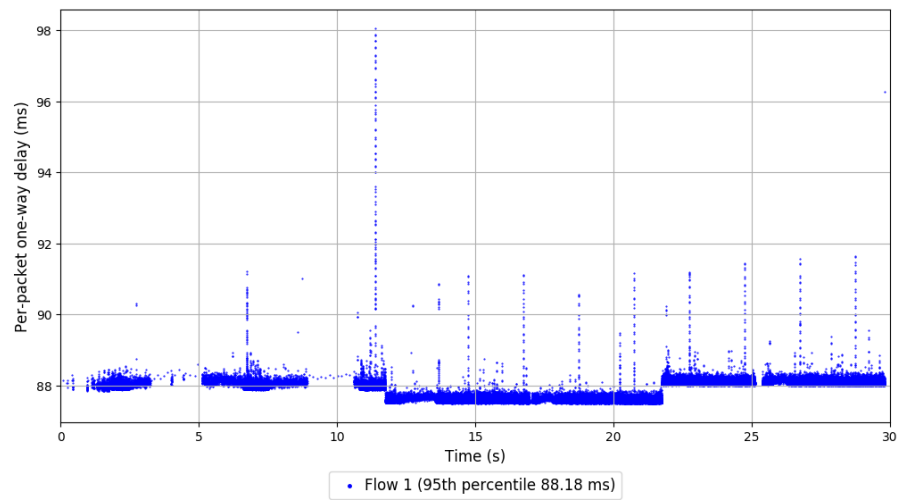
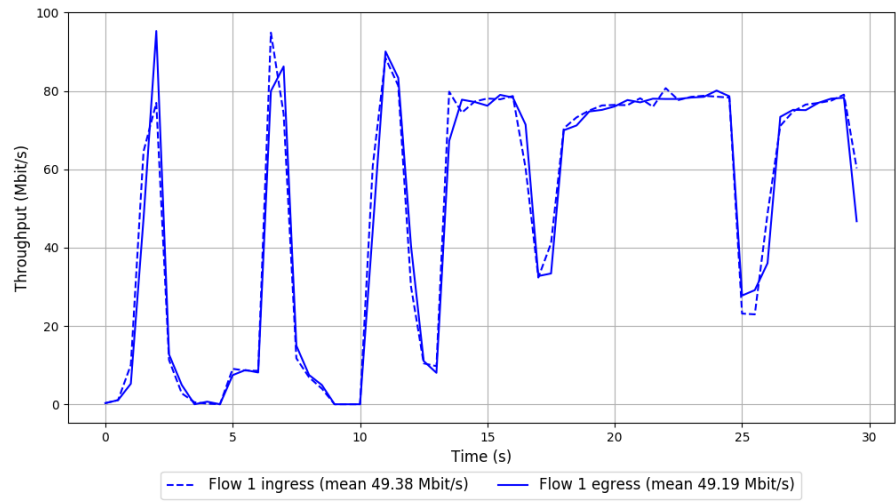
-- Flow 1:

Average throughput: 49.19 Mbit/s

95th percentile per-packet one-way delay: 88.177 ms

Loss rate: 0.93%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 06:22:16

End at: 2018-04-17 06:22:46

Below is generated by plot.py at 2018-04-17 10:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.33 Mbit/s

95th percentile per-packet one-way delay: 88.325 ms

Loss rate: 0.92%

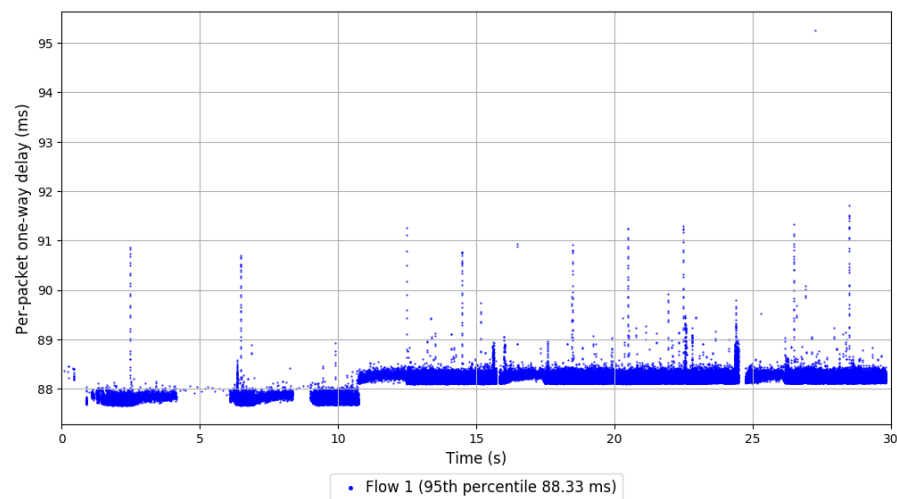
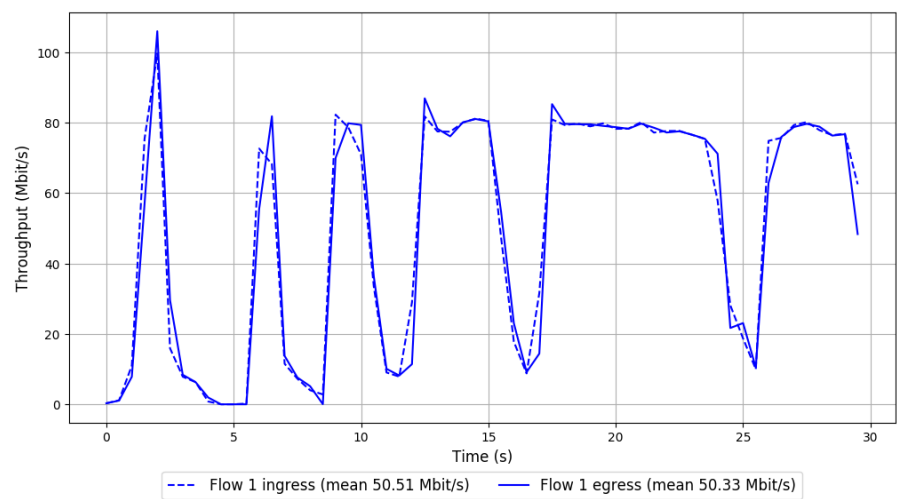
-- Flow 1:

Average throughput: 50.33 Mbit/s

95th percentile per-packet one-way delay: 88.325 ms

Loss rate: 0.92%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 06:36:03

End at: 2018-04-17 06:36:33

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 89.580 ms

Loss rate: 0.97%

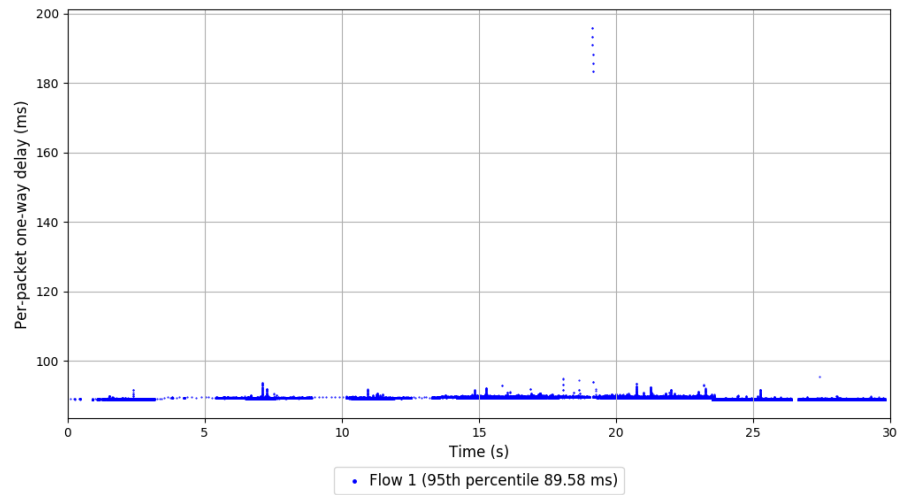
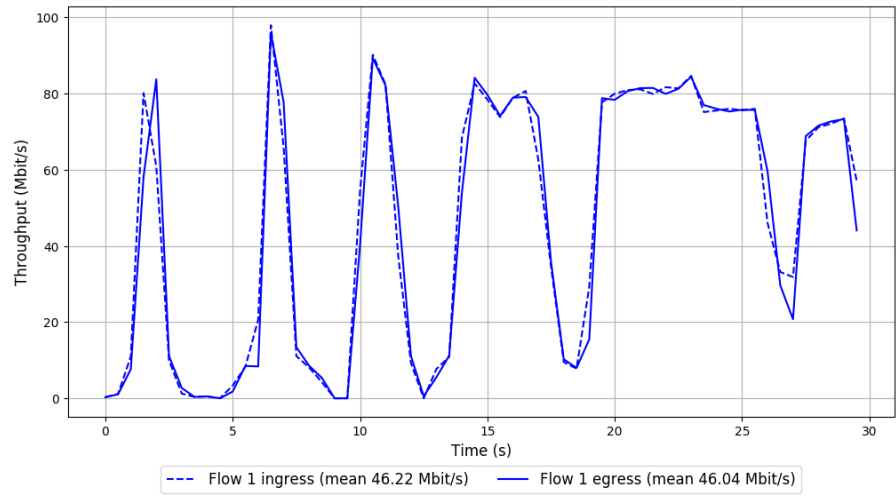
-- Flow 1:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 89.580 ms

Loss rate: 0.97%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 06:49:48

End at: 2018-04-17 06:50:18

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.49 Mbit/s

95th percentile per-packet one-way delay: 87.725 ms

Loss rate: 0.93%

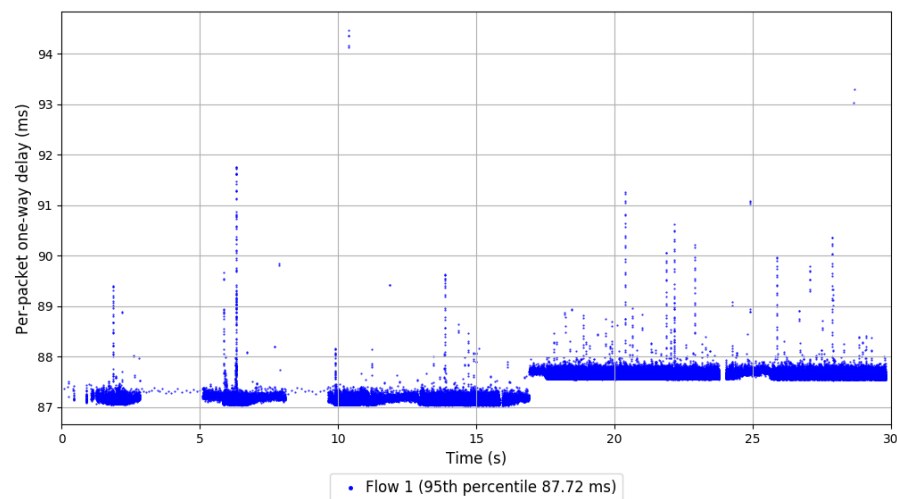
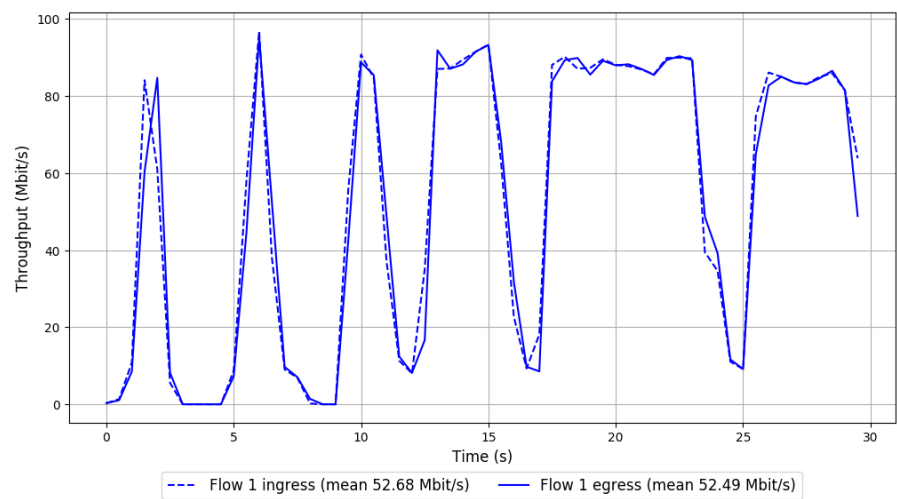
-- Flow 1:

Average throughput: 52.49 Mbit/s

95th percentile per-packet one-way delay: 87.725 ms

Loss rate: 0.93%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 07:03:32

End at: 2018-04-17 07:04:02

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.62 Mbit/s

95th percentile per-packet one-way delay: 87.445 ms

Loss rate: 0.80%

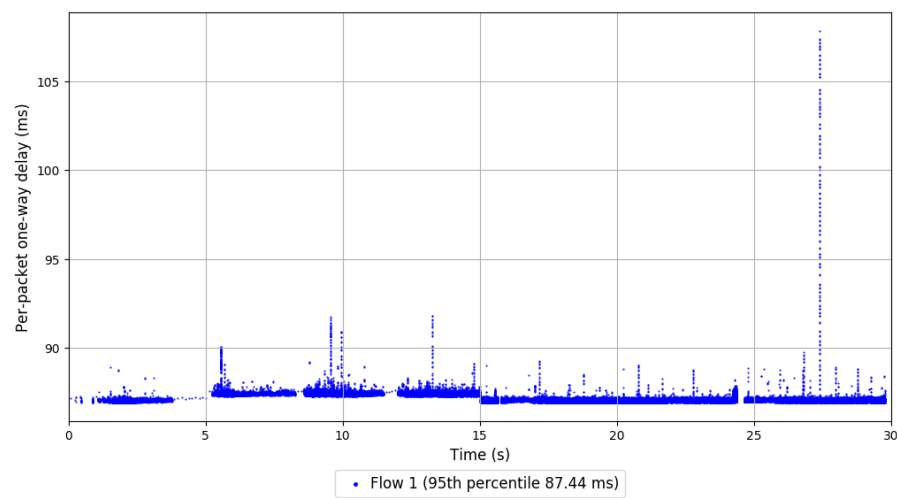
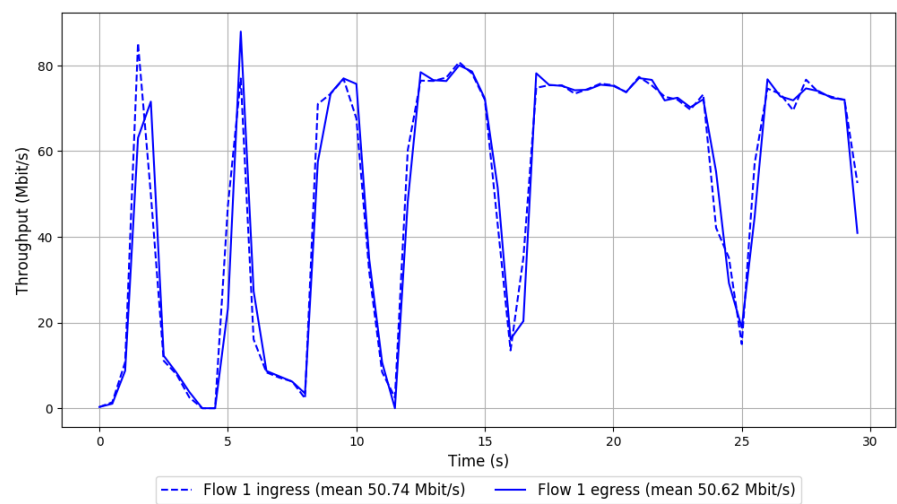
-- Flow 1:

Average throughput: 50.62 Mbit/s

95th percentile per-packet one-way delay: 87.445 ms

Loss rate: 0.80%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 07:17:34

End at: 2018-04-17 07:18:04

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.41 Mbit/s

95th percentile per-packet one-way delay: 87.162 ms

Loss rate: 0.92%

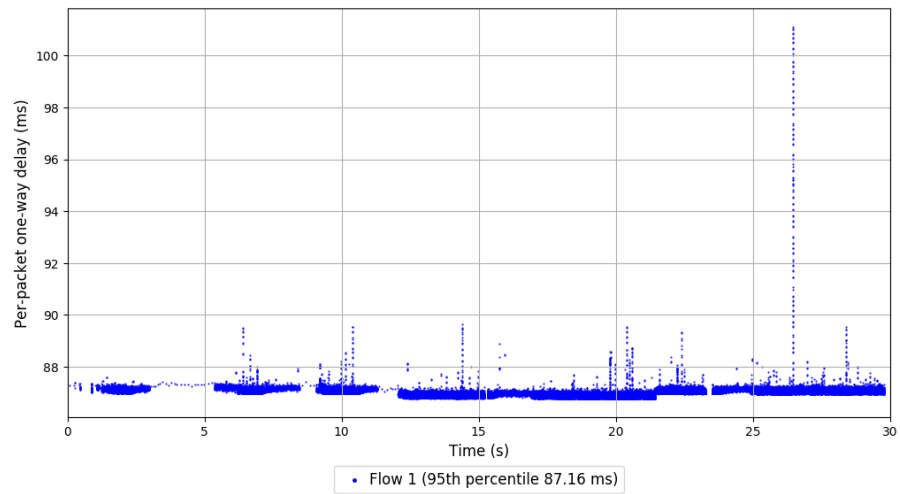
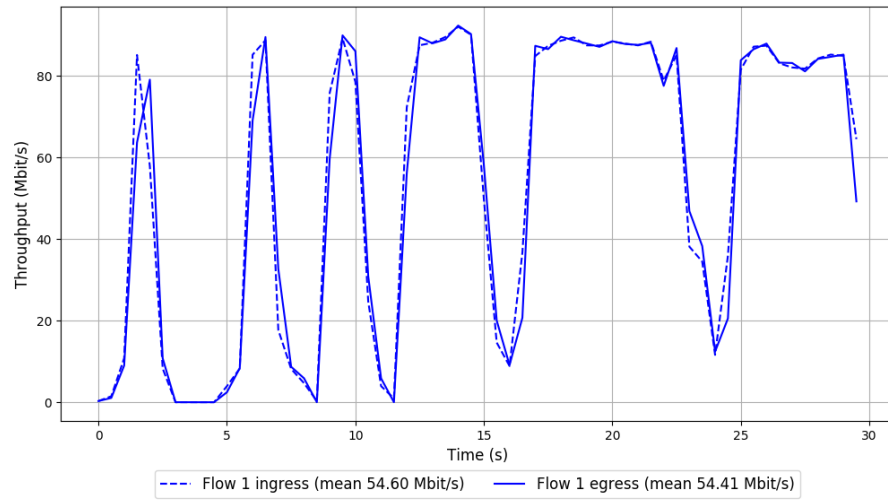
-- Flow 1:

Average throughput: 54.41 Mbit/s

95th percentile per-packet one-way delay: 87.162 ms

Loss rate: 0.92%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 07:31:13

End at: 2018-04-17 07:31:43

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.13 Mbit/s

95th percentile per-packet one-way delay: 86.640 ms

Loss rate: 0.94%

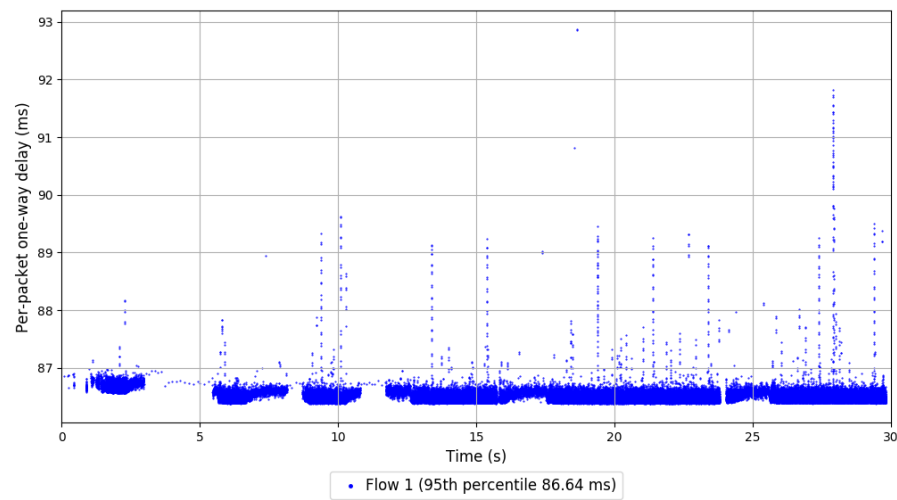
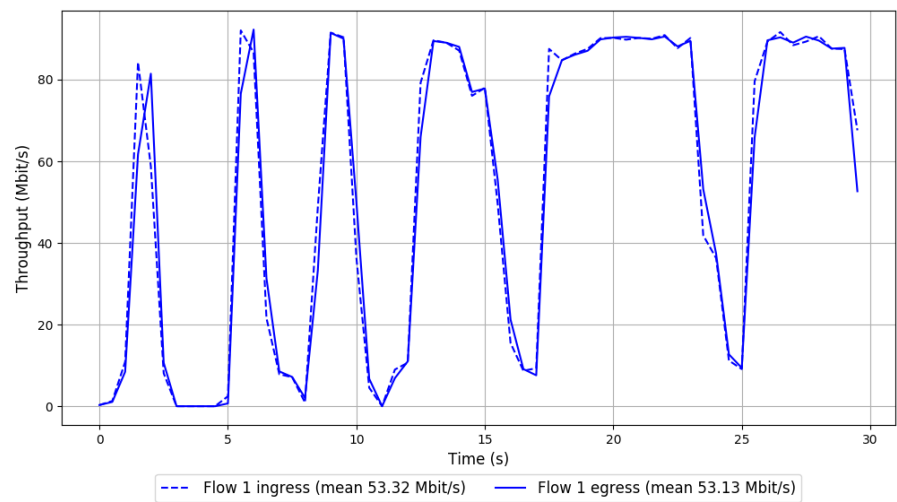
-- Flow 1:

Average throughput: 53.13 Mbit/s

95th percentile per-packet one-way delay: 86.640 ms

Loss rate: 0.94%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 07:44:55

End at: 2018-04-17 07:45:25

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.76 Mbit/s

95th percentile per-packet one-way delay: 87.213 ms

Loss rate: 1.07%

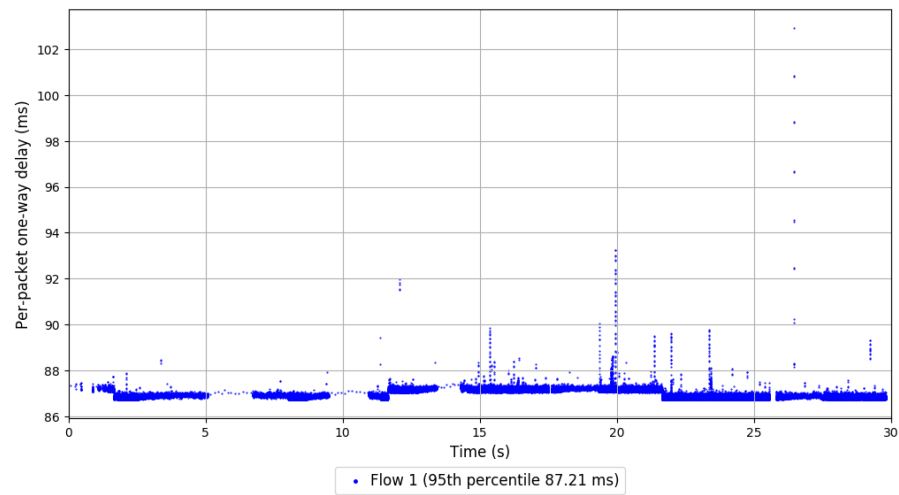
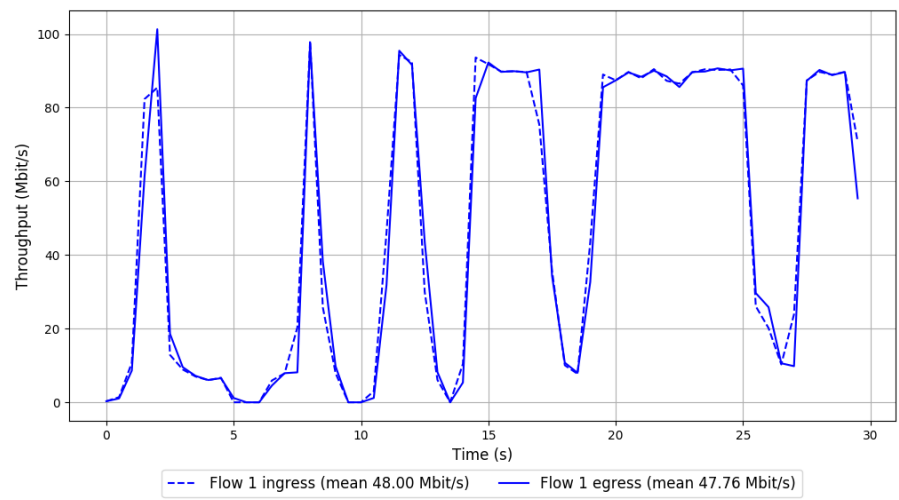
-- Flow 1:

Average throughput: 47.76 Mbit/s

95th percentile per-packet one-way delay: 87.213 ms

Loss rate: 1.07%

Run 10: Report of QUIC Cubic — Data Link

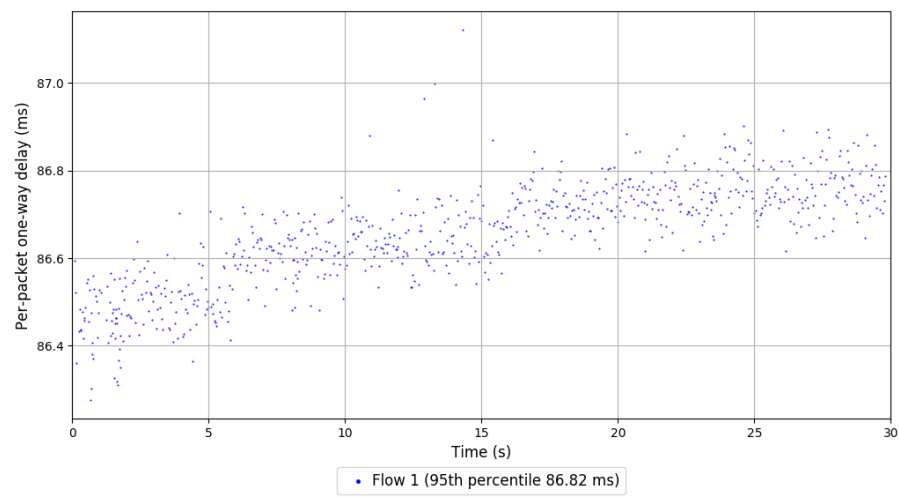
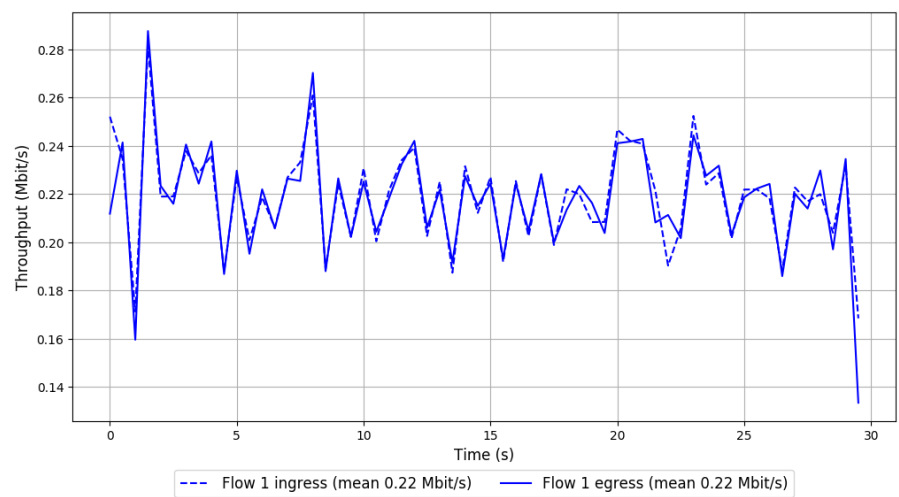


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 05:33:29
End at: 2018-04-17 05:34:00

# Below is generated by plot.py at 2018-04-17 10:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.823 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.823 ms
Loss rate: 0.52%
```

Run 1: Report of SReAM — Data Link

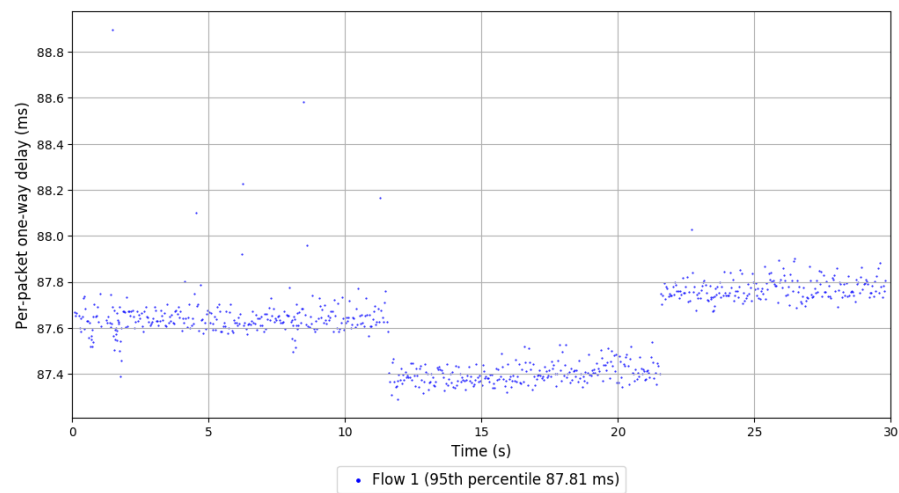
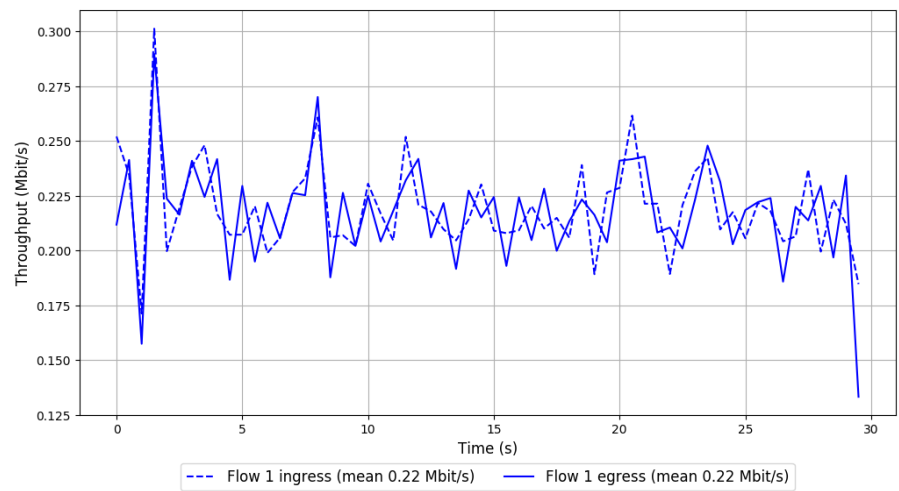


```
Run 2: Statistics of SCReAM

Start at: 2018-04-17 05:47:24
End at: 2018-04-17 05:47:54

# Below is generated by plot.py at 2018-04-17 10:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.811 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.811 ms
Loss rate: 0.64%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-17 06:01:08

End at: 2018-04-17 06:01:38

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.303 ms

Loss rate: 0.52%

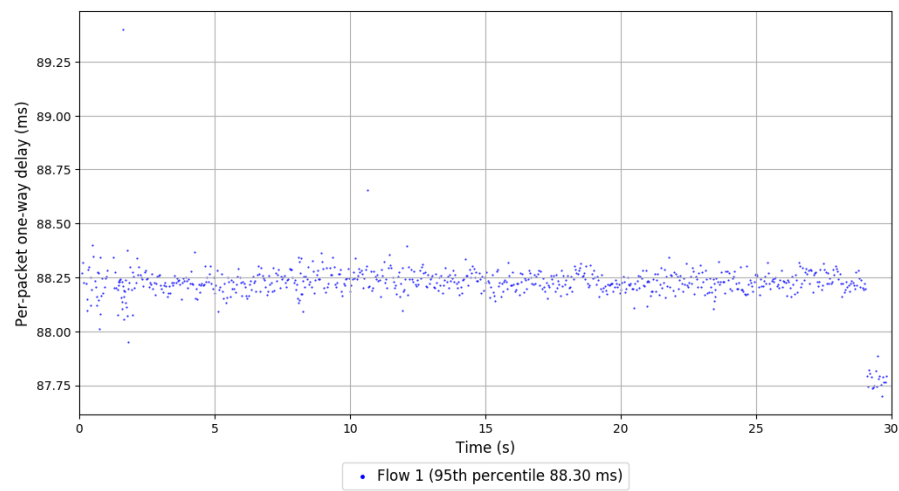
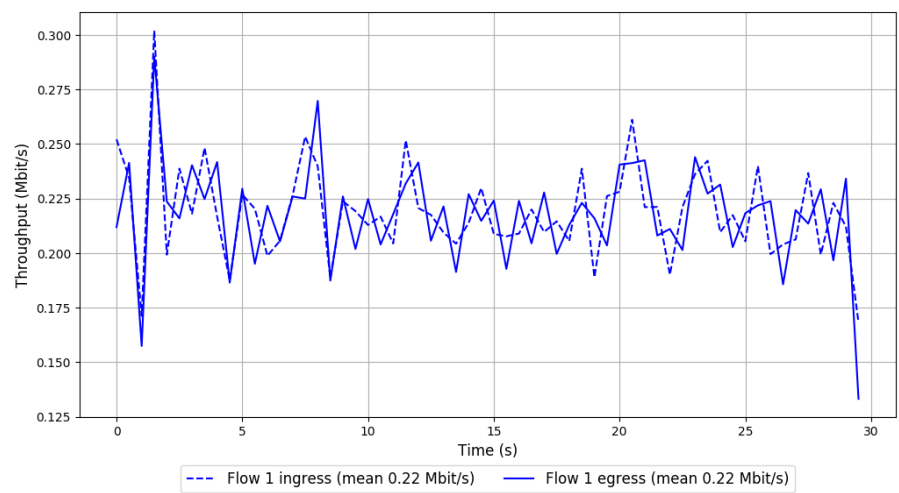
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.303 ms

Loss rate: 0.52%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-17 06:14:49

End at: 2018-04-17 06:15:19

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.458 ms

Loss rate: 0.52%

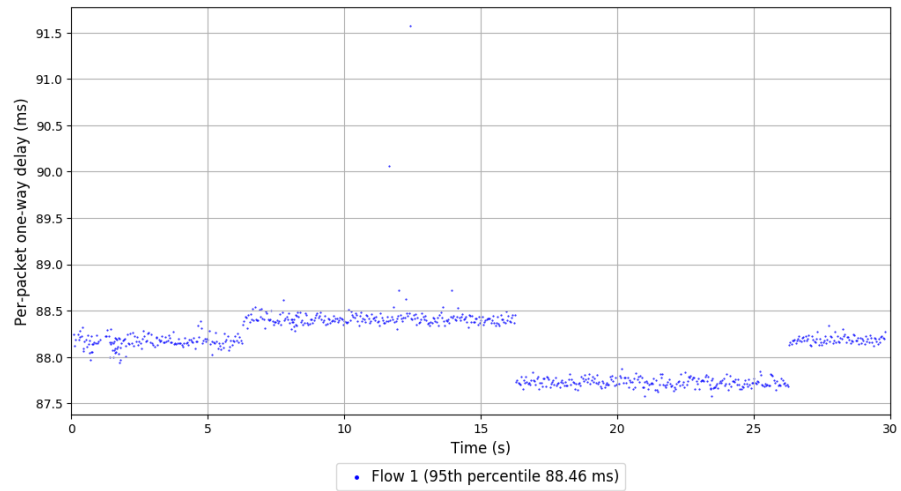
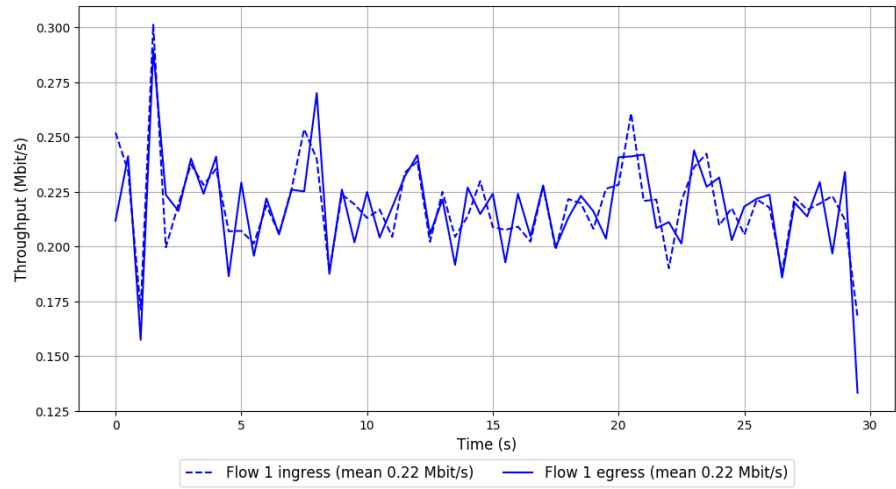
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.458 ms

Loss rate: 0.52%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-17 06:28:38

End at: 2018-04-17 06:29:08

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.216 ms

Loss rate: 0.52%

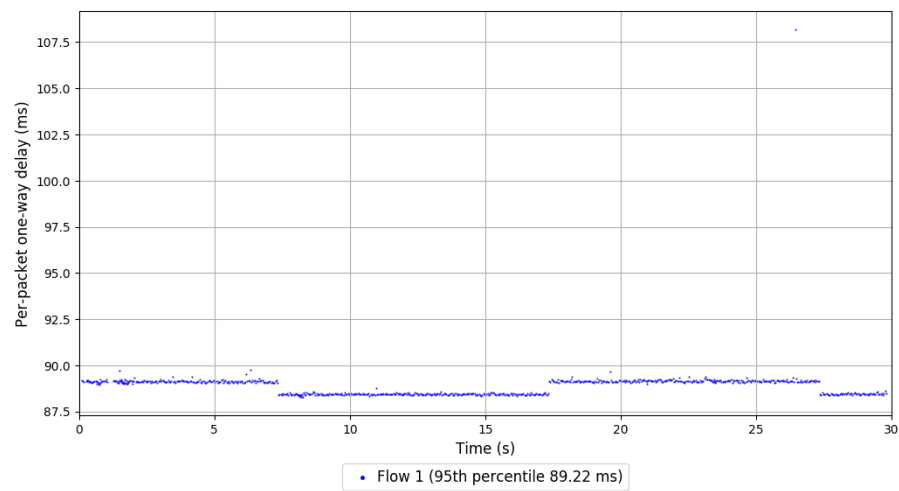
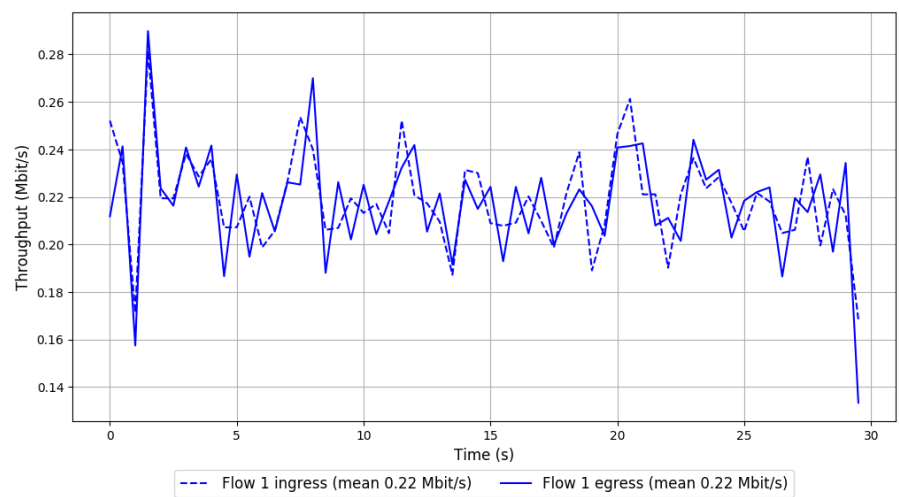
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.216 ms

Loss rate: 0.52%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 06:42:18

End at: 2018-04-17 06:42:48

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.933 ms

Loss rate: 0.64%

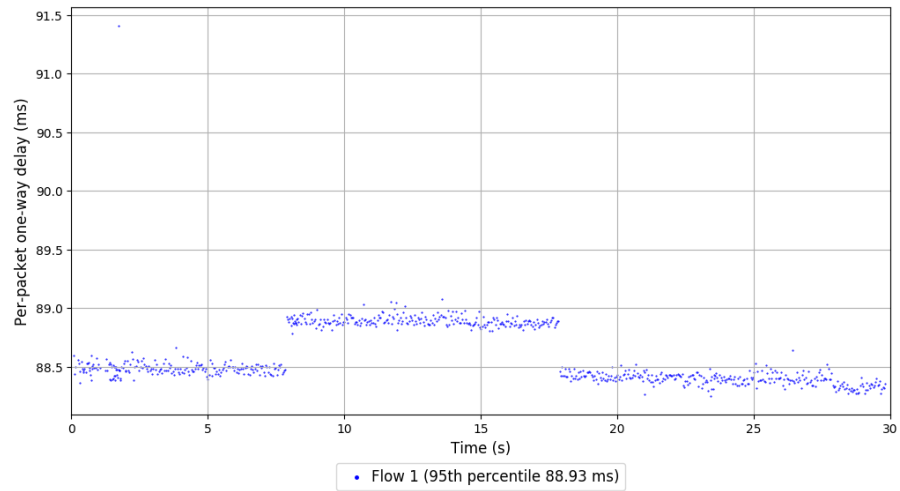
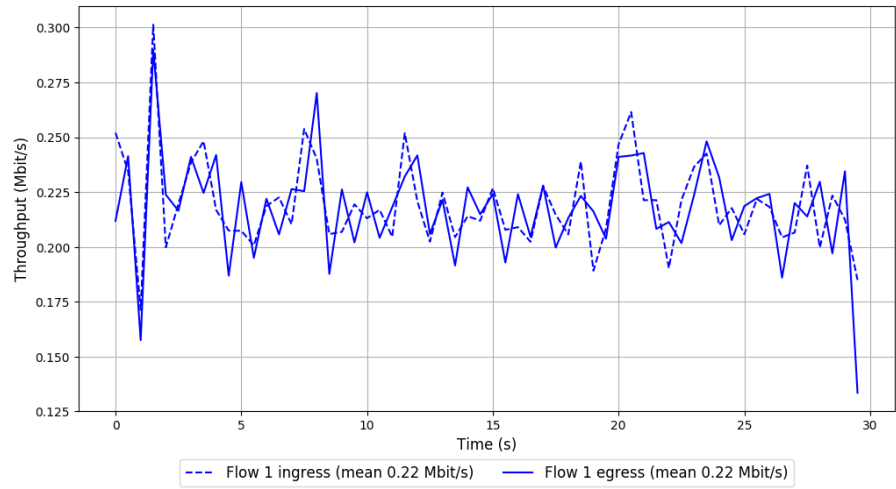
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.933 ms

Loss rate: 0.64%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-17 06:56:05

End at: 2018-04-17 06:56:35

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.599 ms

Loss rate: 0.64%

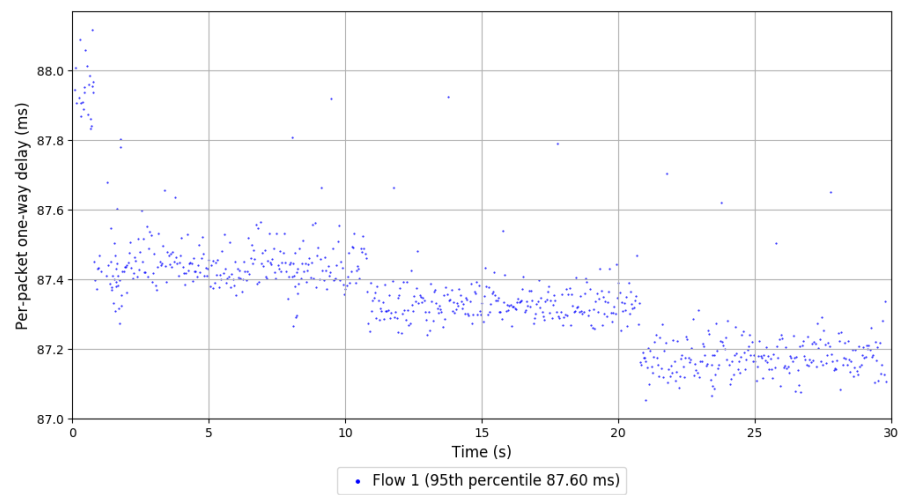
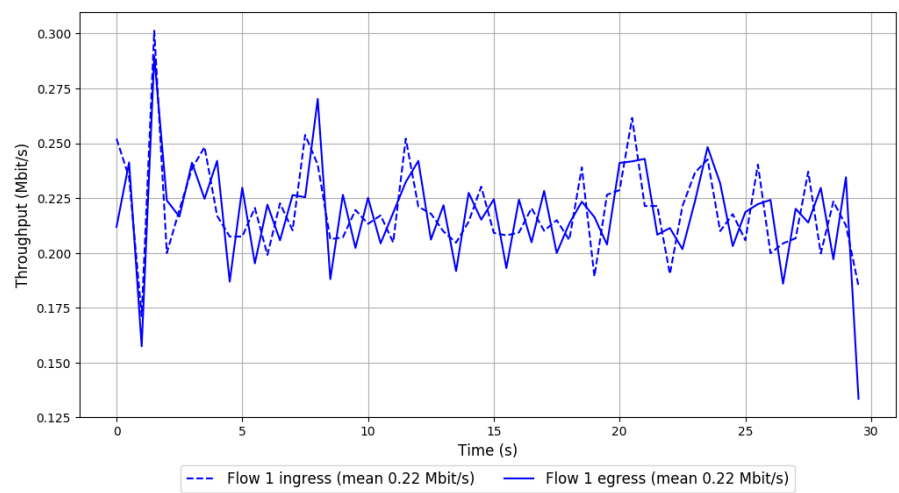
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.599 ms

Loss rate: 0.64%

Run 7: Report of SCSReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-17 07:10:03

End at: 2018-04-17 07:10:33

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.949 ms

Loss rate: 0.51%

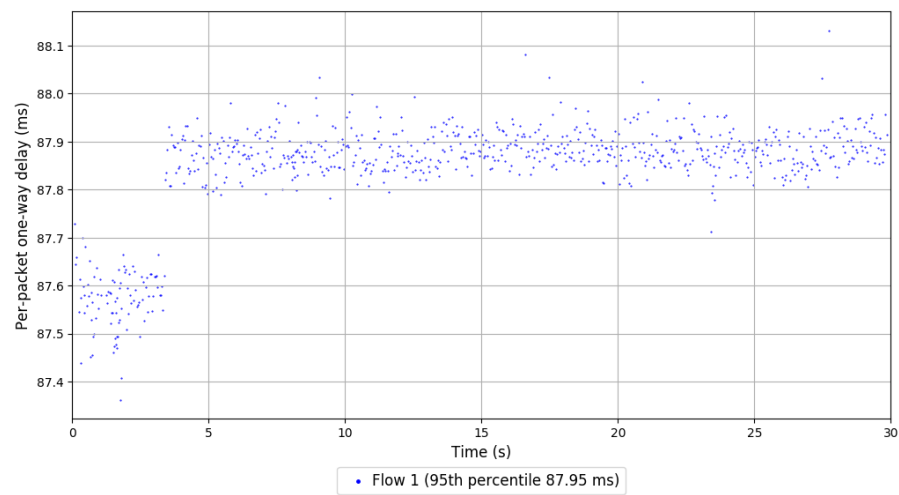
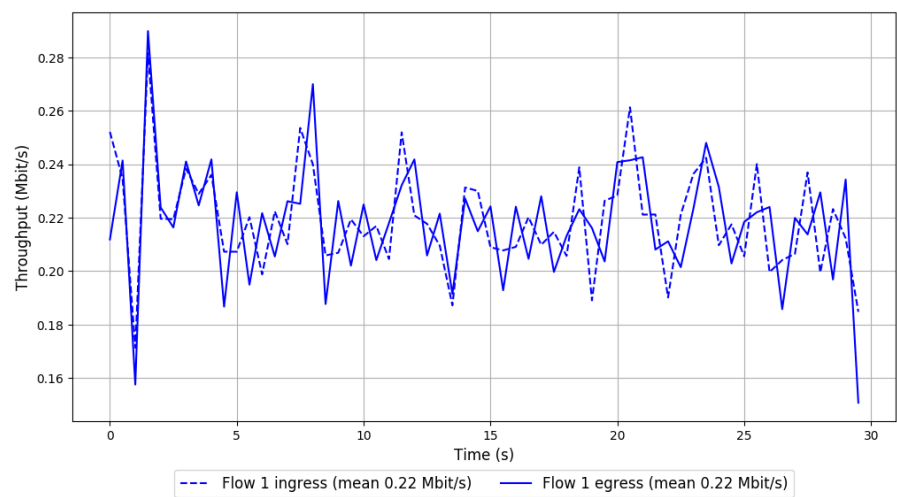
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.949 ms

Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-17 07:23:49

End at: 2018-04-17 07:24:19

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.051 ms

Loss rate: 0.64%

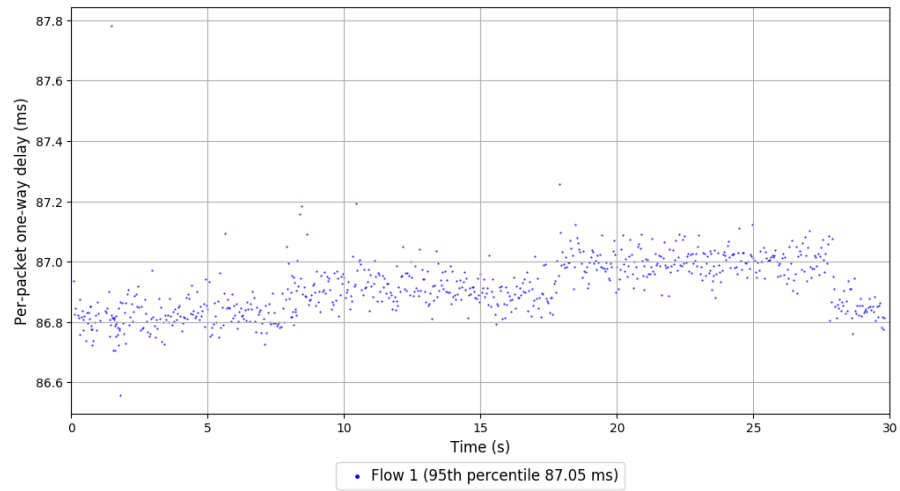
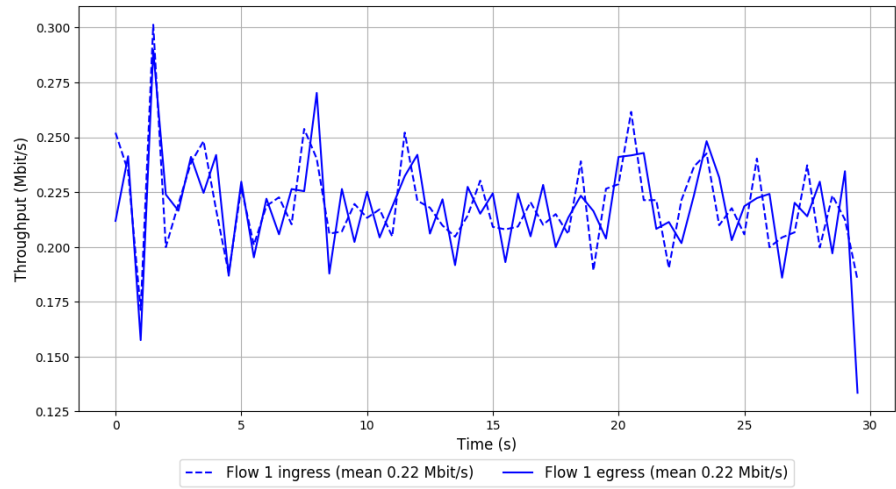
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.051 ms

Loss rate: 0.64%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-17 07:37:28

End at: 2018-04-17 07:37:58

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.295 ms

Loss rate: 0.64%

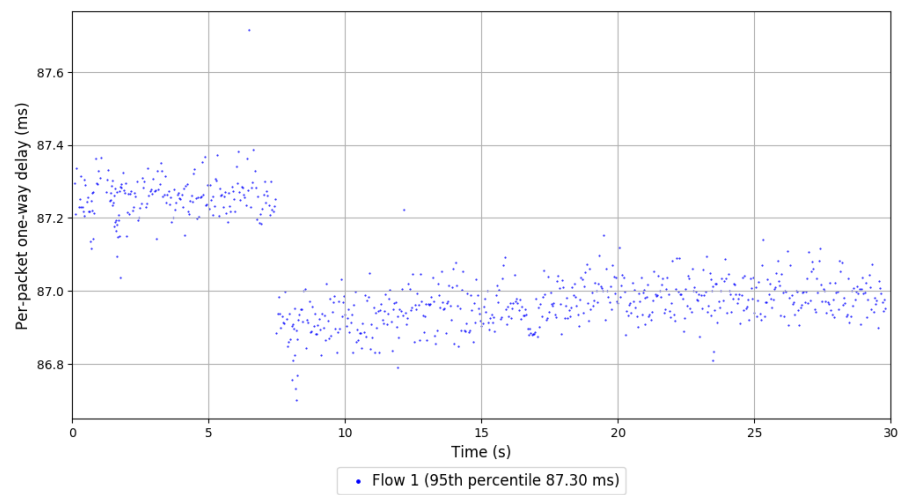
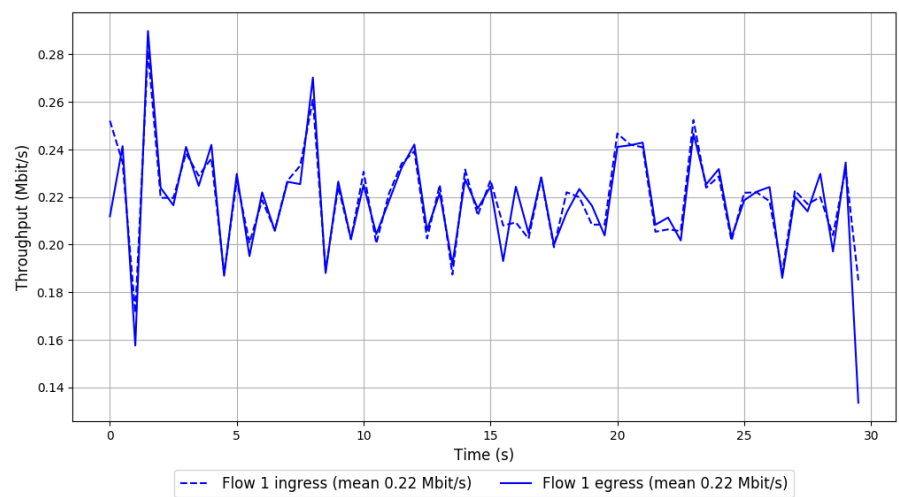
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.295 ms

Loss rate: 0.64%

Run 10: Report of SCReAM — Data Link

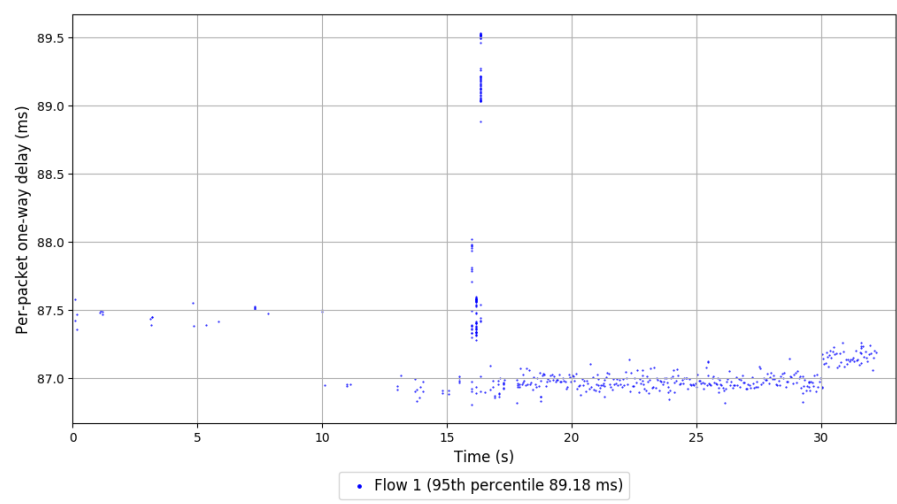
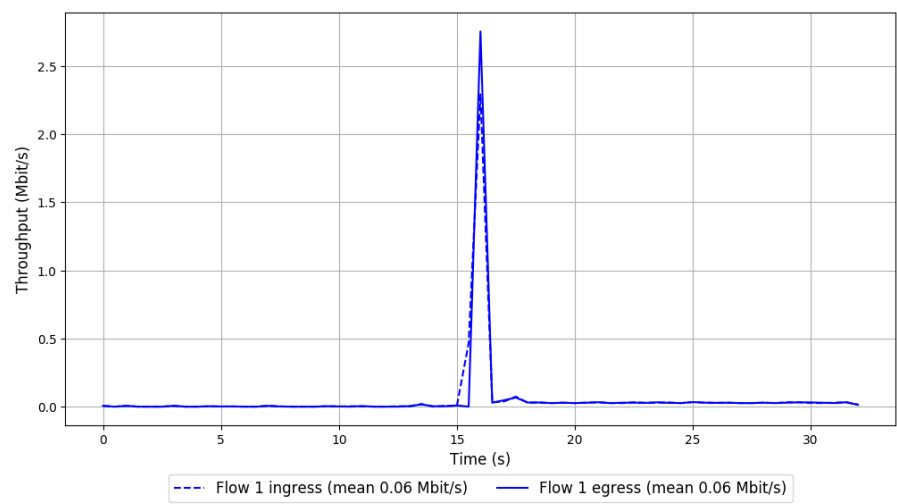


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 05:45:19
End at: 2018-04-17 05:45:49

# Below is generated by plot.py at 2018-04-17 10:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 89.184 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 89.184 ms
Loss rate: 0.21%
```

Run 1: Report of WebRTC media — Data Link

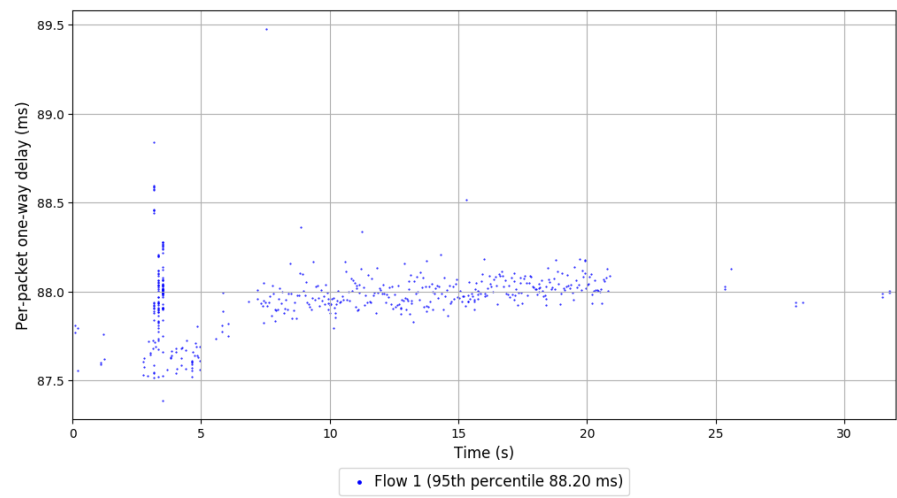
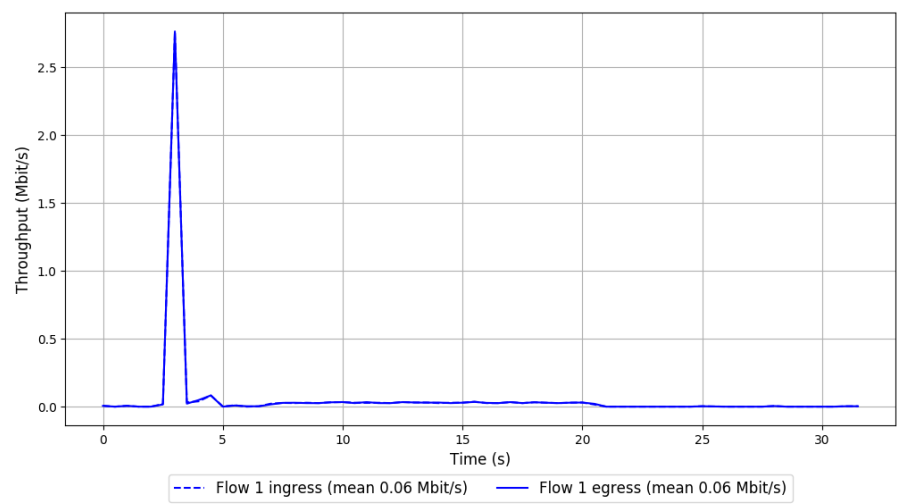


```
Run 2: Statistics of WebRTC media

Start at: 2018-04-17 05:59:02
End at: 2018-04-17 05:59:32

# Below is generated by plot.py at 2018-04-17 10:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 88.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 88.205 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-17 06:12:44

End at: 2018-04-17 06:13:14

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 88.550 ms

Loss rate: 0.00%

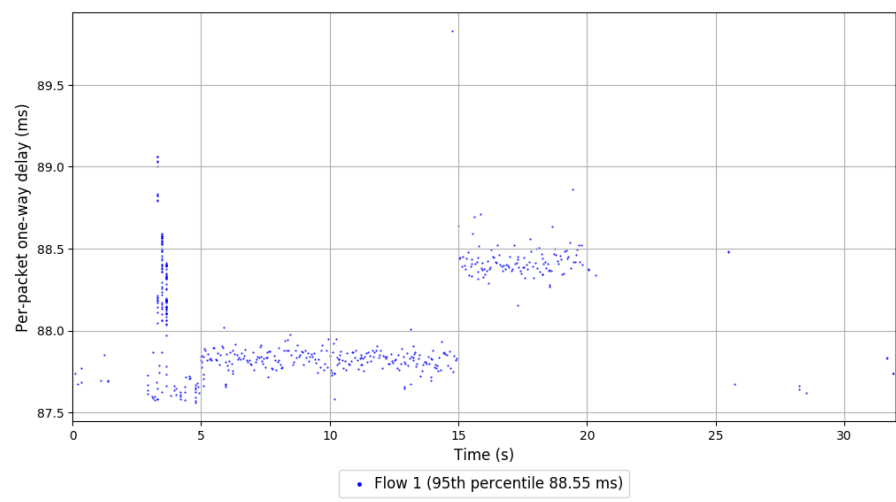
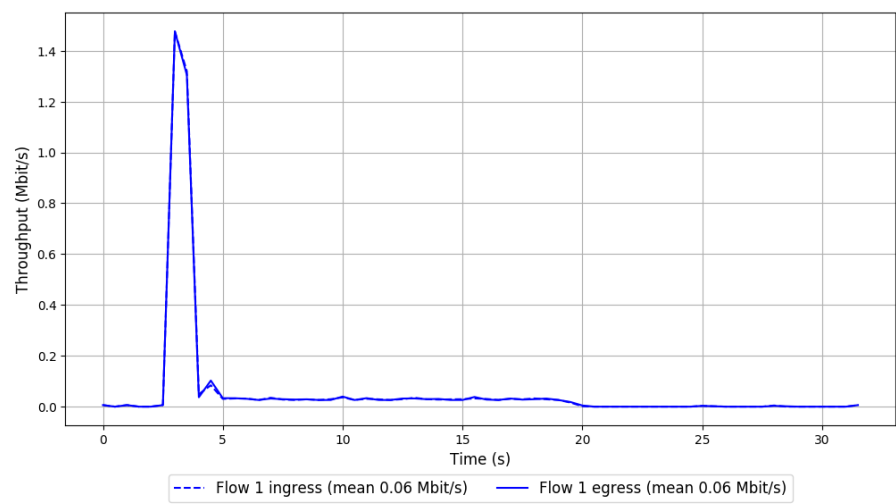
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 88.550 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 06:26:33

End at: 2018-04-17 06:27:03

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 88.938 ms

Loss rate: 0.00%

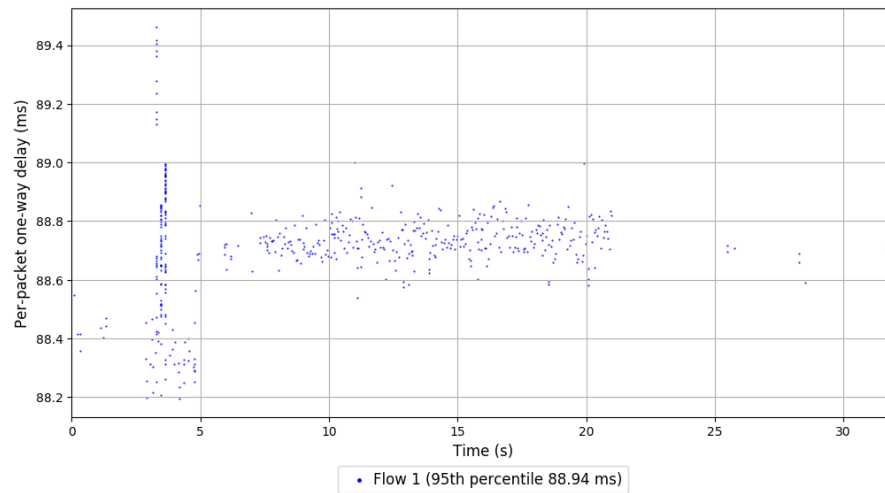
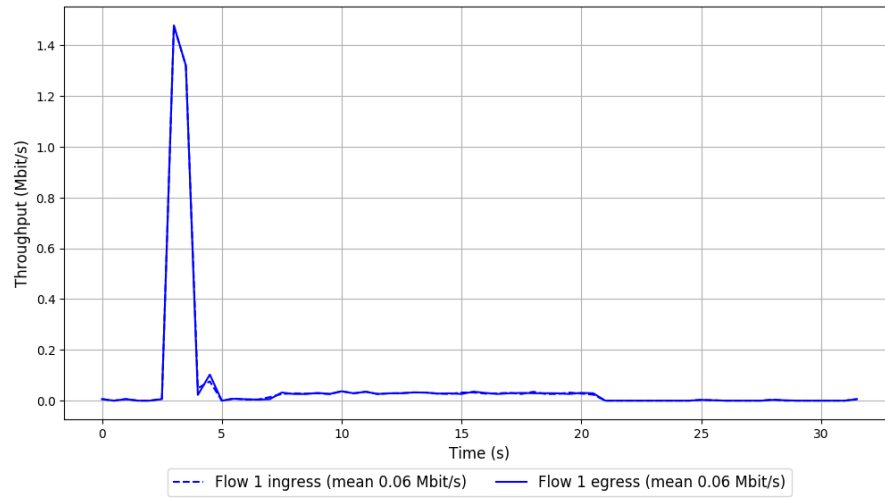
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 88.938 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-17 06:40:13

End at: 2018-04-17 06:40:43

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 89.660 ms

Loss rate: 0.00%

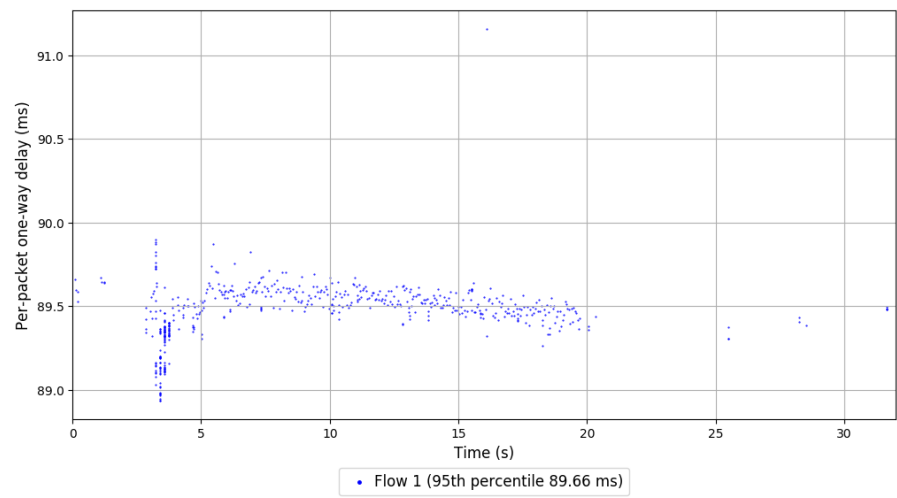
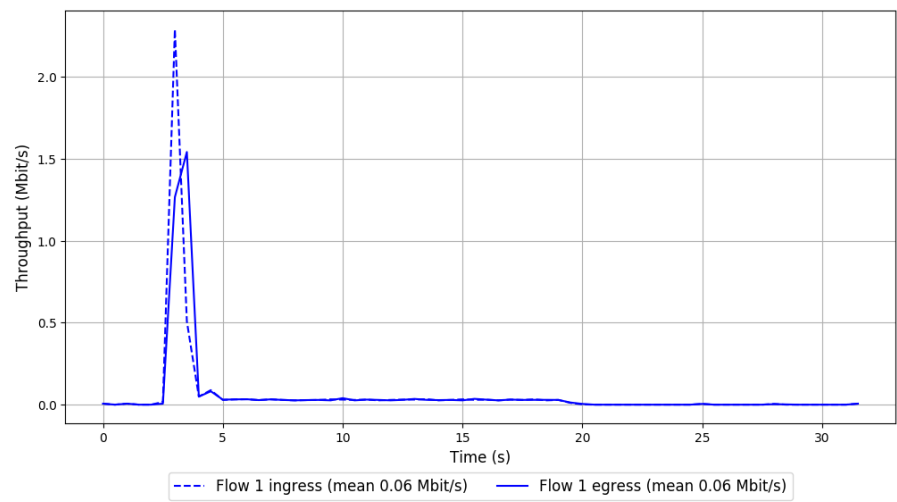
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 89.660 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-17 06:53:59

End at: 2018-04-17 06:54:29

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 87.982 ms

Loss rate: 0.00%

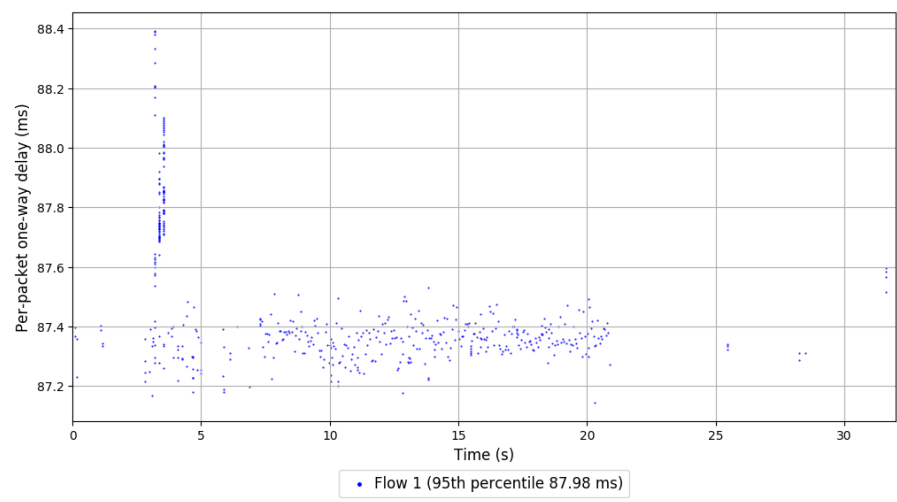
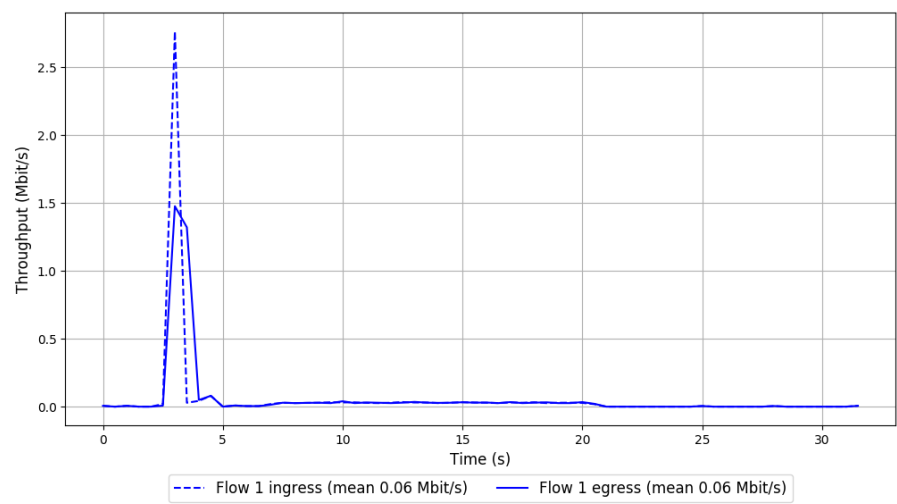
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 87.982 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 07:07:58

End at: 2018-04-17 07:08:28

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 88.322 ms

Loss rate: 0.00%

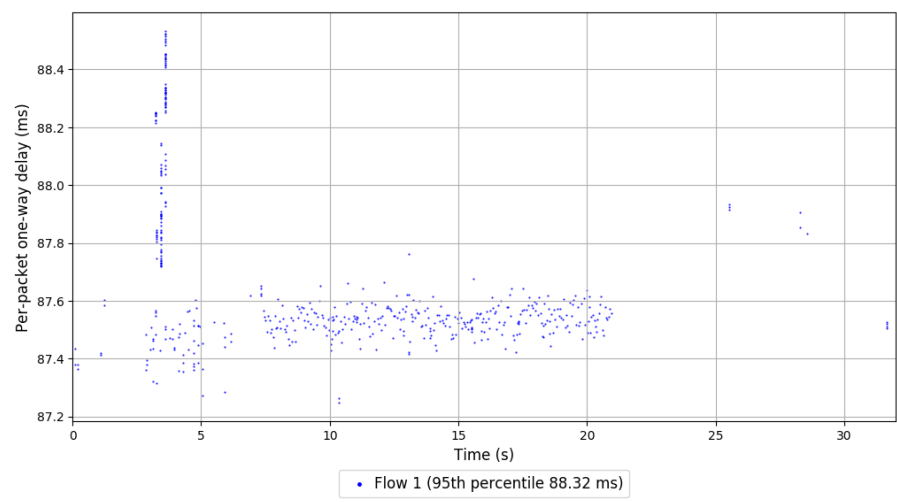
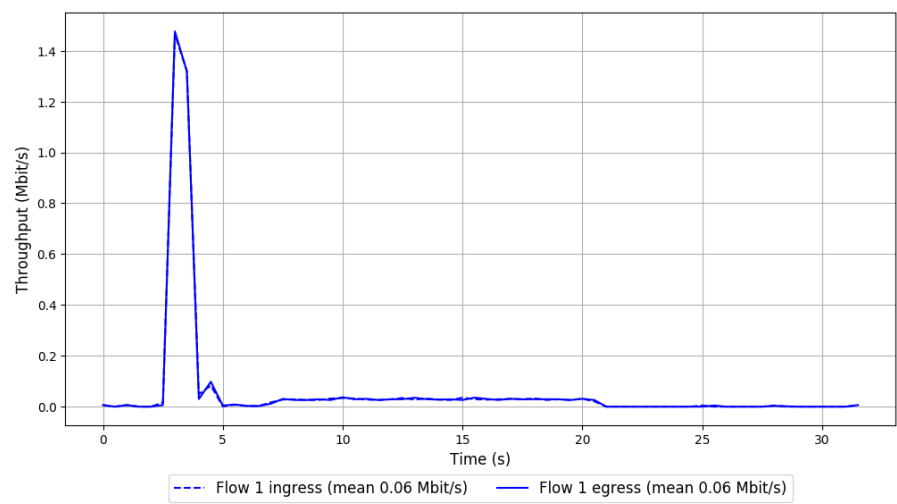
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 88.322 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-17 07:21:44

End at: 2018-04-17 07:22:14

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 87.682 ms

Loss rate: 0.00%

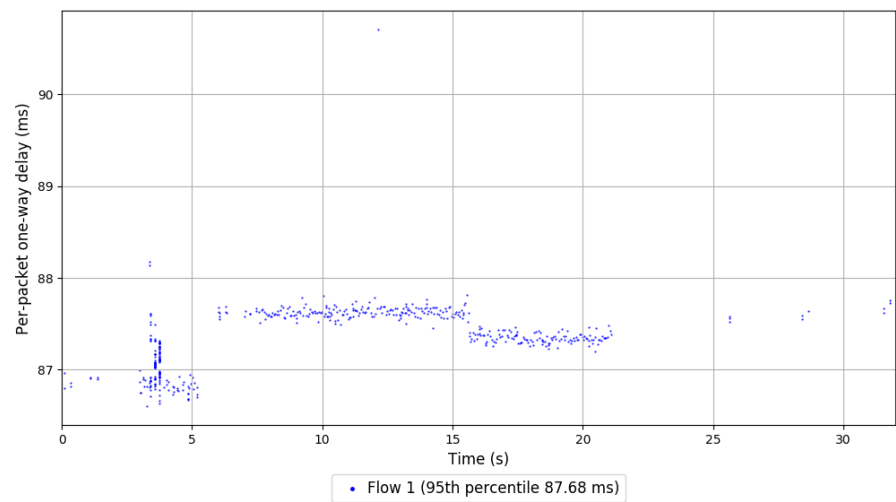
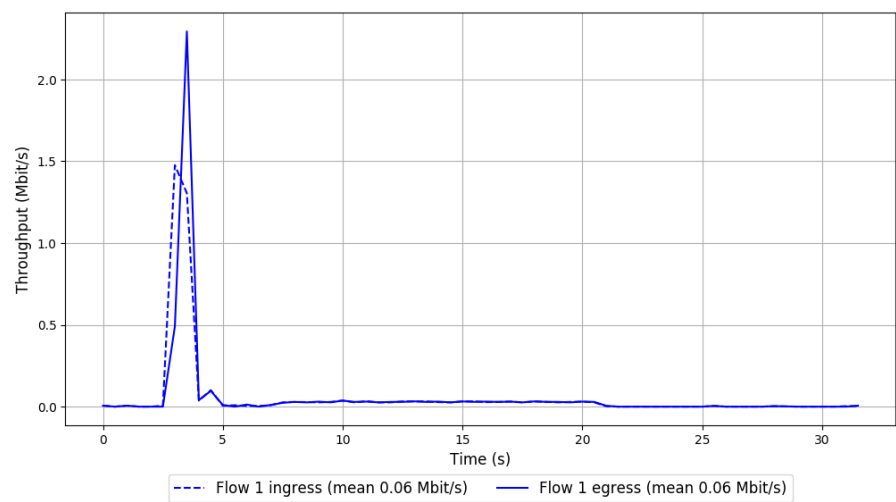
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 87.682 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 07:35:23

End at: 2018-04-17 07:35:53

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 87.404 ms

Loss rate: 0.00%

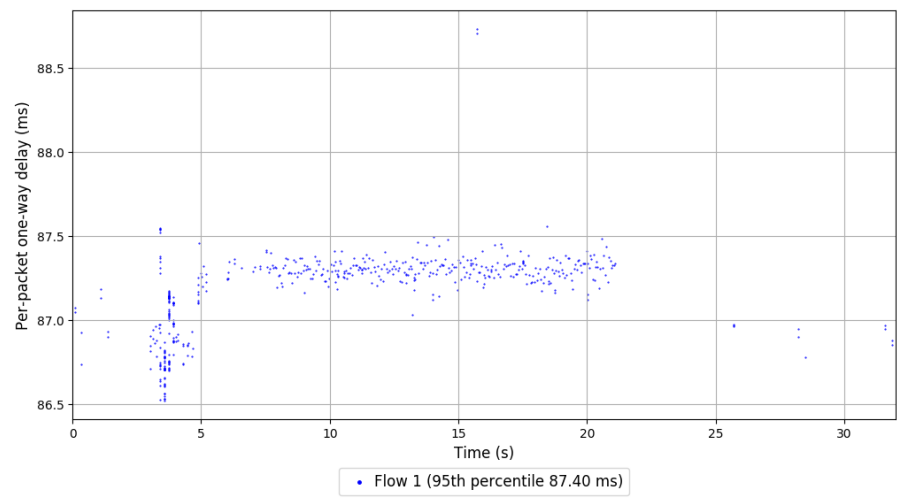
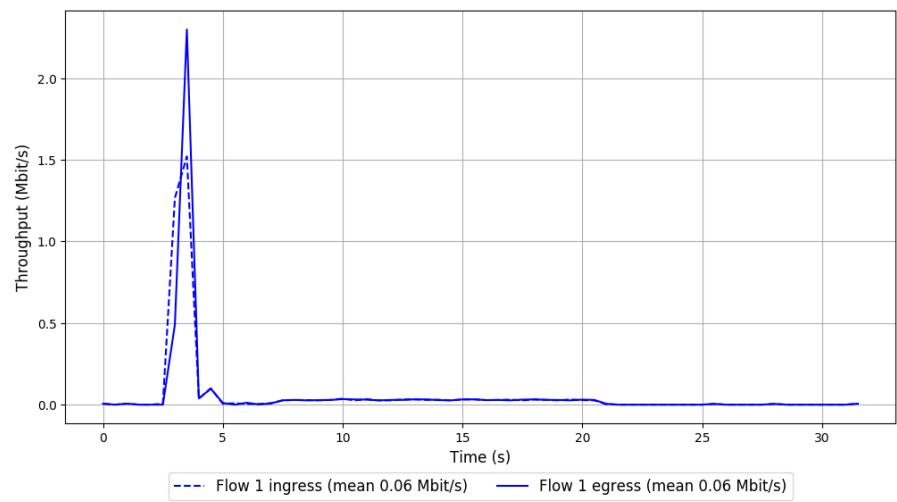
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 87.404 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 07:49:10

End at: 2018-04-17 07:49:40

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 87.414 ms

Loss rate: 0.00%

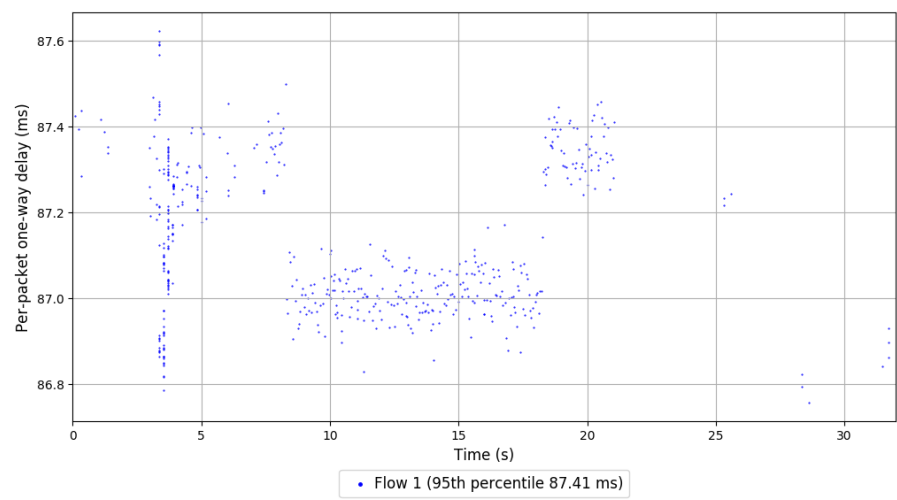
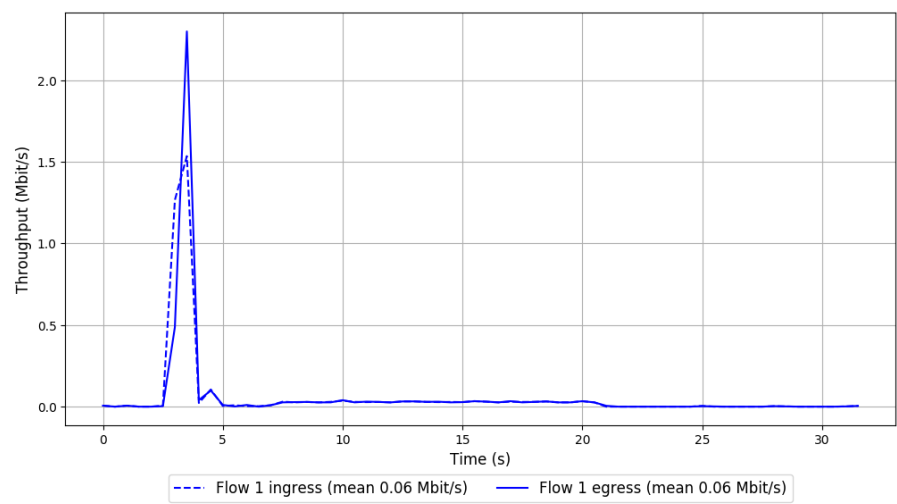
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 87.414 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-17 05:34:08

End at: 2018-04-17 05:34:38

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 87.674 ms

Loss rate: 0.68%

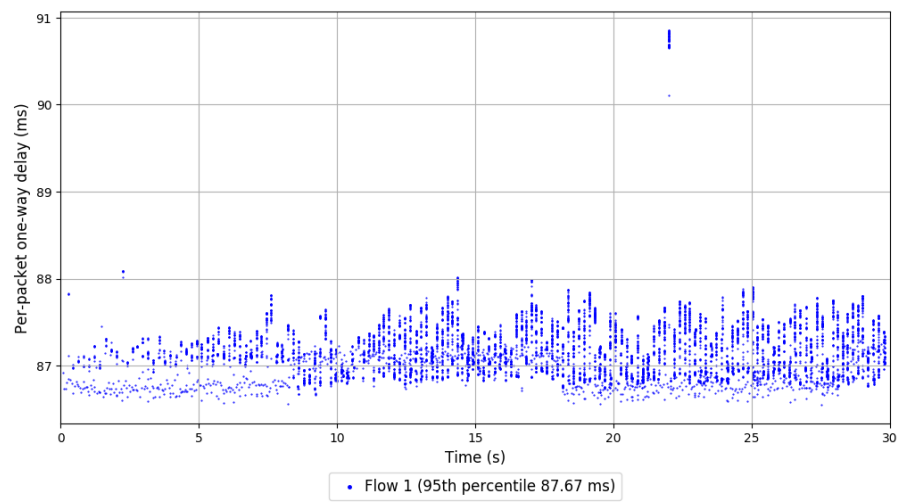
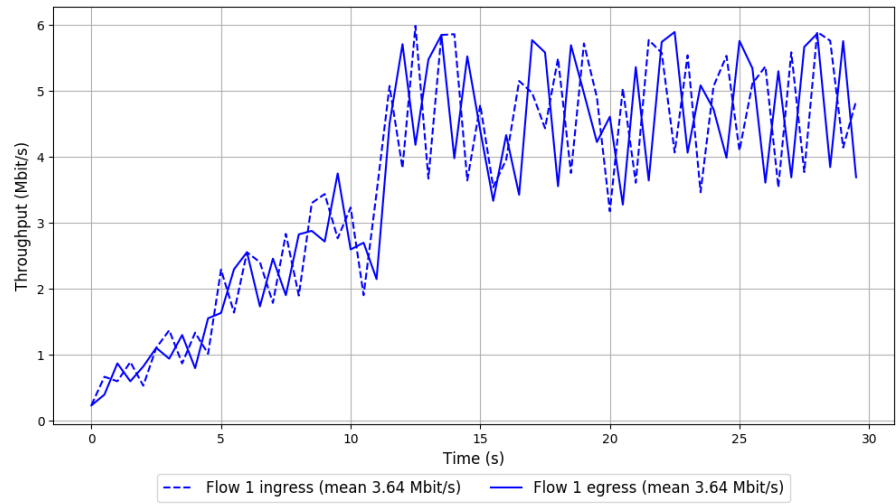
-- Flow 1:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 87.674 ms

Loss rate: 0.68%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-17 05:48:03

End at: 2018-04-17 05:48:33

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 88.626 ms

Loss rate: 0.69%

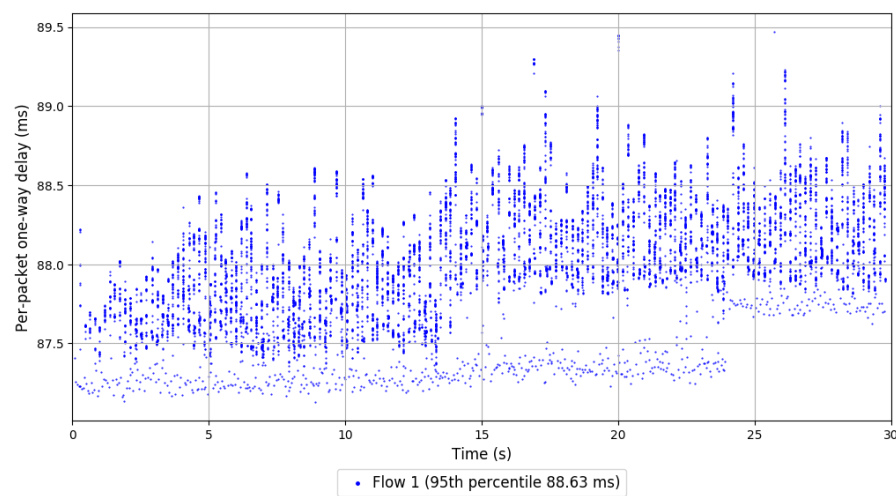
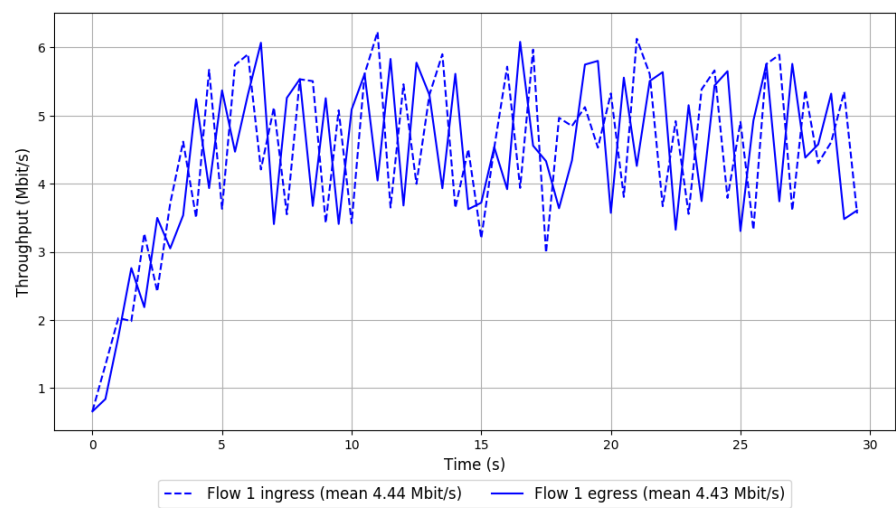
-- Flow 1:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 88.626 ms

Loss rate: 0.69%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-17 06:01:46

End at: 2018-04-17 06:02:16

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 88.830 ms

Loss rate: 0.68%

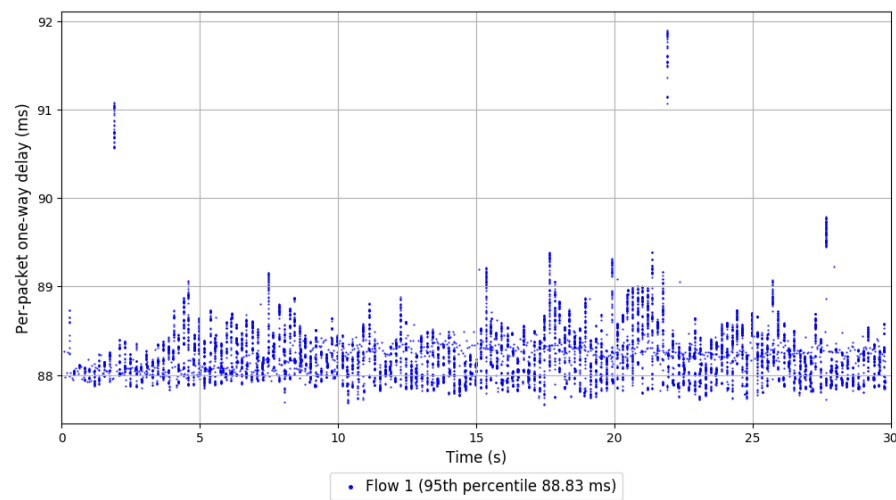
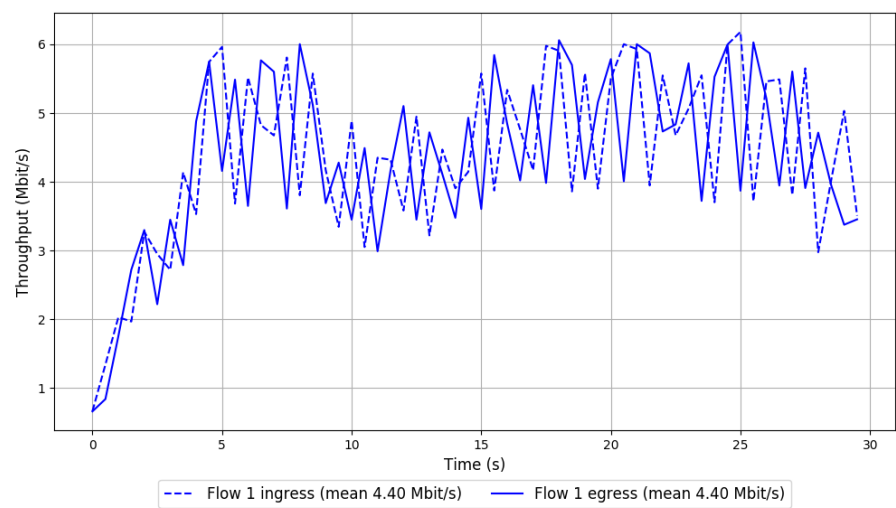
-- Flow 1:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 88.830 ms

Loss rate: 0.68%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-17 06:15:28

End at: 2018-04-17 06:15:58

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 89.093 ms

Loss rate: 0.77%

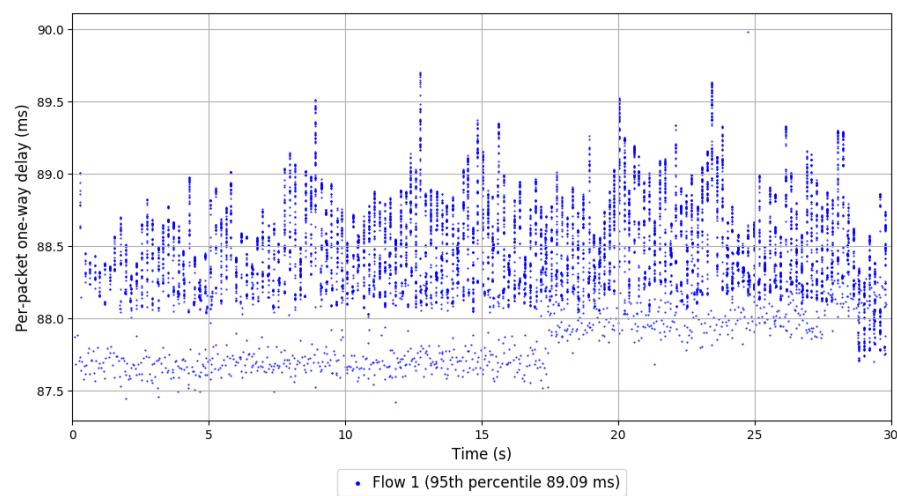
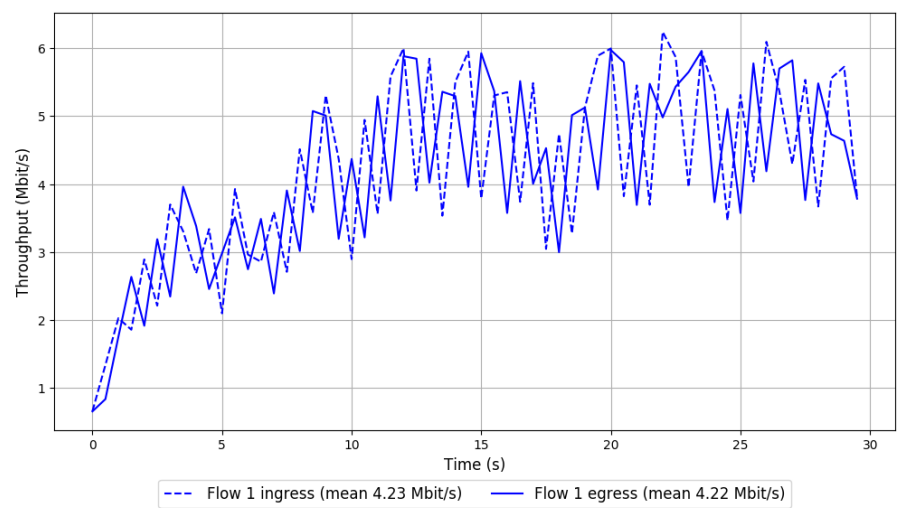
-- Flow 1:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 89.093 ms

Loss rate: 0.77%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-17 06:29:17

End at: 2018-04-17 06:29:47

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 89.760 ms

Loss rate: 0.69%

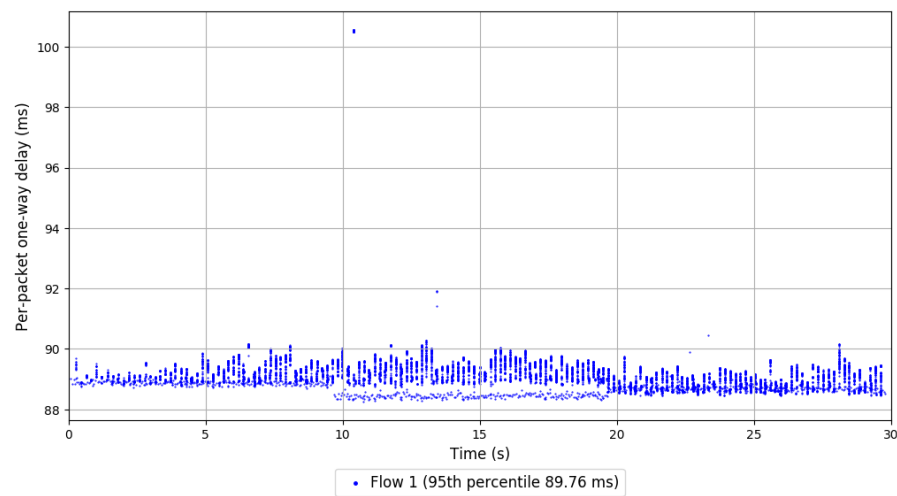
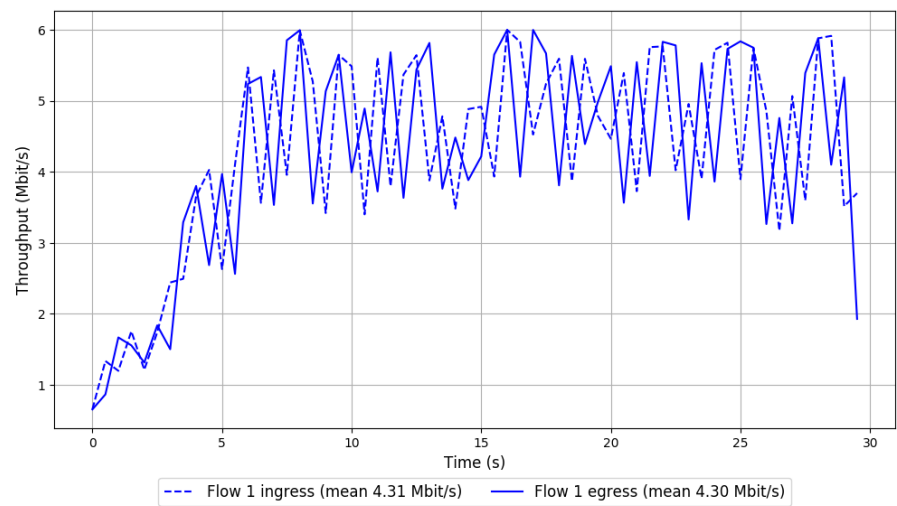
-- Flow 1:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 89.760 ms

Loss rate: 0.69%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-17 06:42:56

End at: 2018-04-17 06:43:26

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 89.524 ms

Loss rate: 0.63%

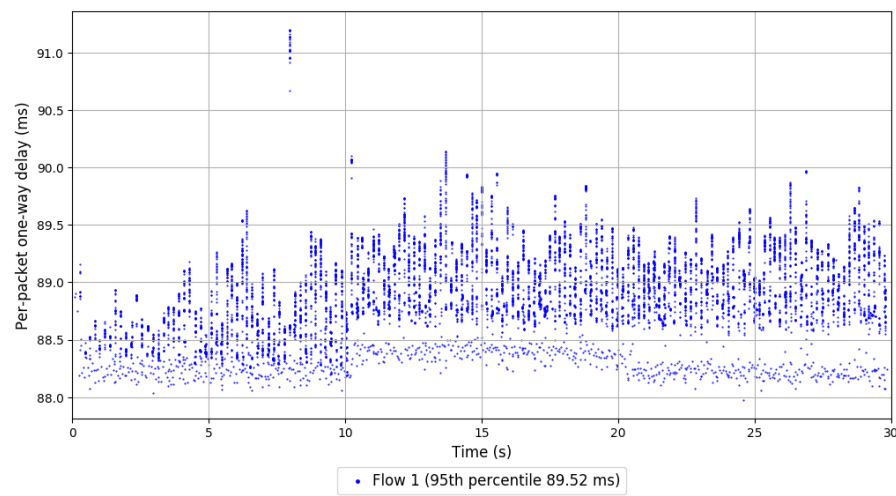
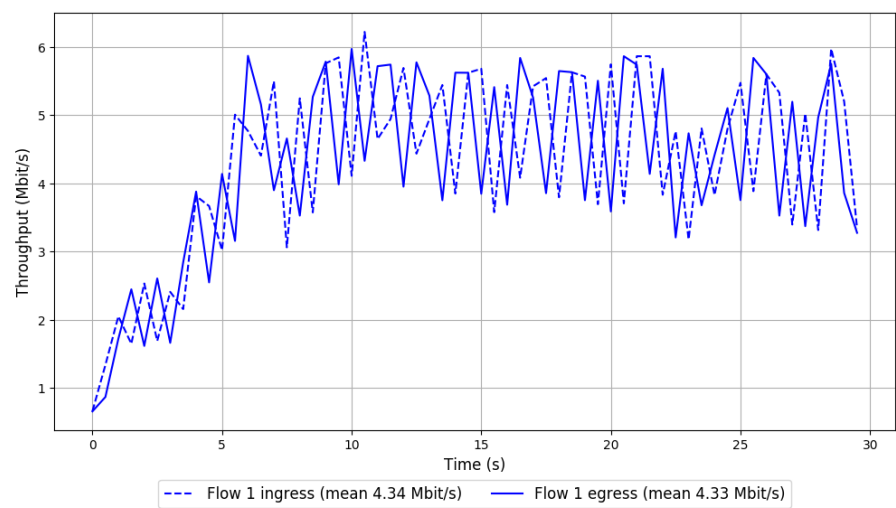
-- Flow 1:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 89.524 ms

Loss rate: 0.63%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-17 06:56:43

End at: 2018-04-17 06:57:13

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 88.422 ms

Loss rate: 0.71%

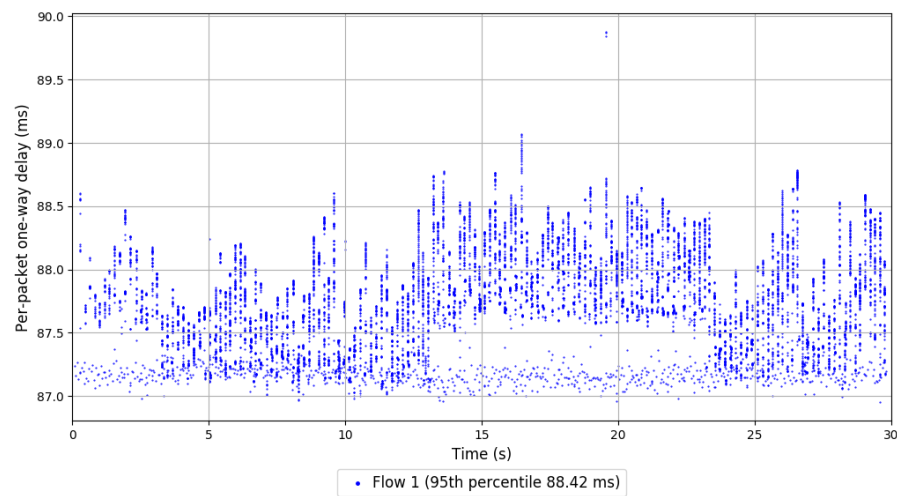
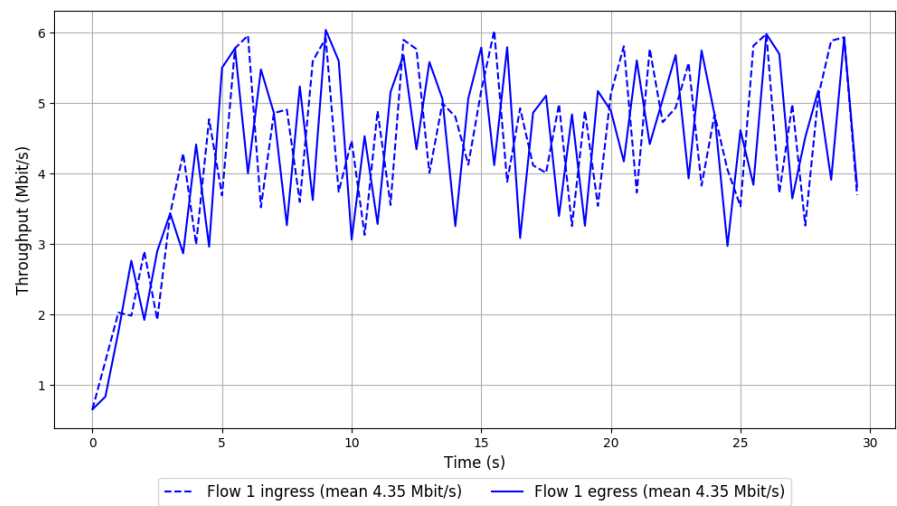
-- Flow 1:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 88.422 ms

Loss rate: 0.71%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-17 07:10:42

End at: 2018-04-17 07:11:12

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 88.800 ms

Loss rate: 0.63%

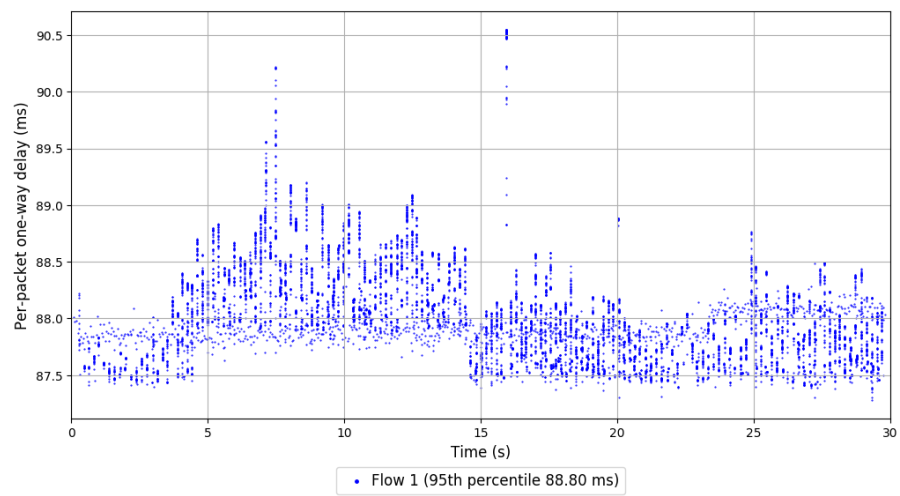
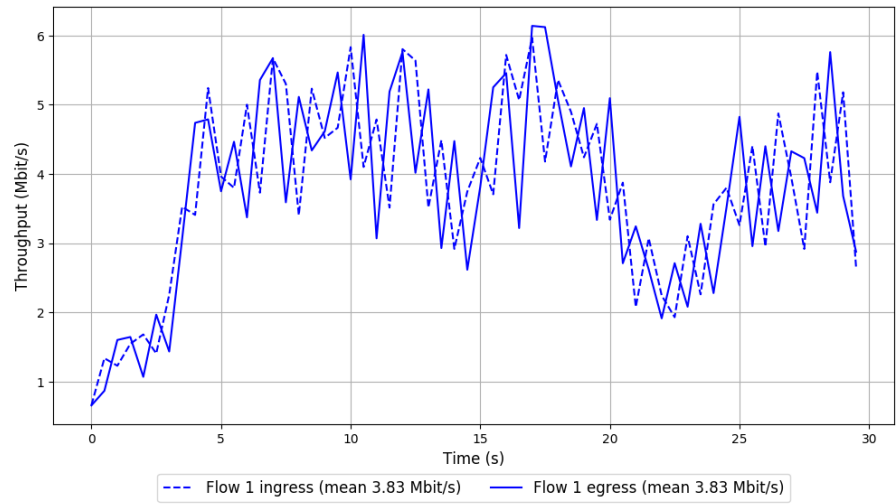
-- Flow 1:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 88.800 ms

Loss rate: 0.63%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-17 07:24:28

End at: 2018-04-17 07:24:58

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 88.112 ms

Loss rate: 0.59%

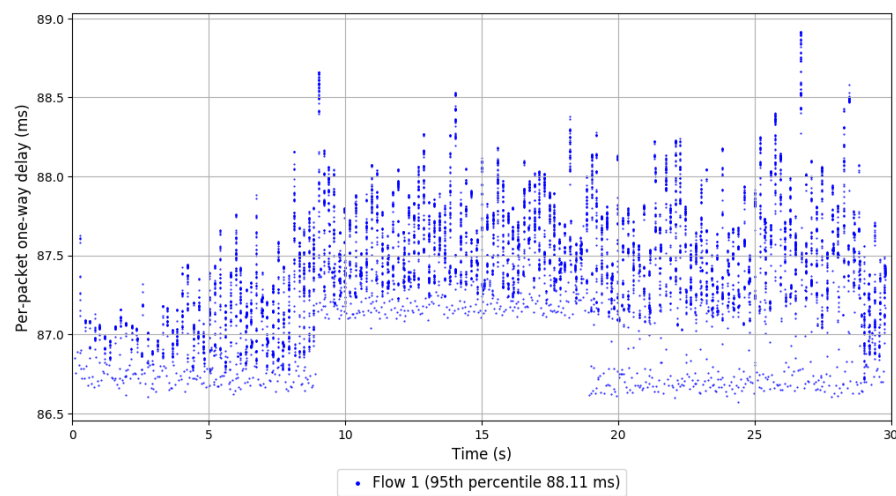
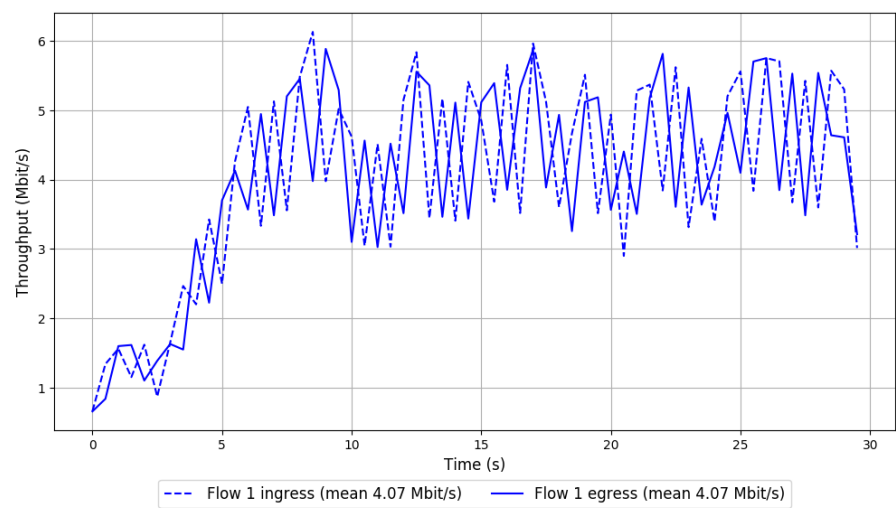
-- Flow 1:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 88.112 ms

Loss rate: 0.59%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 07:38:07

End at: 2018-04-17 07:38:37

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 87.707 ms

Loss rate: 0.77%

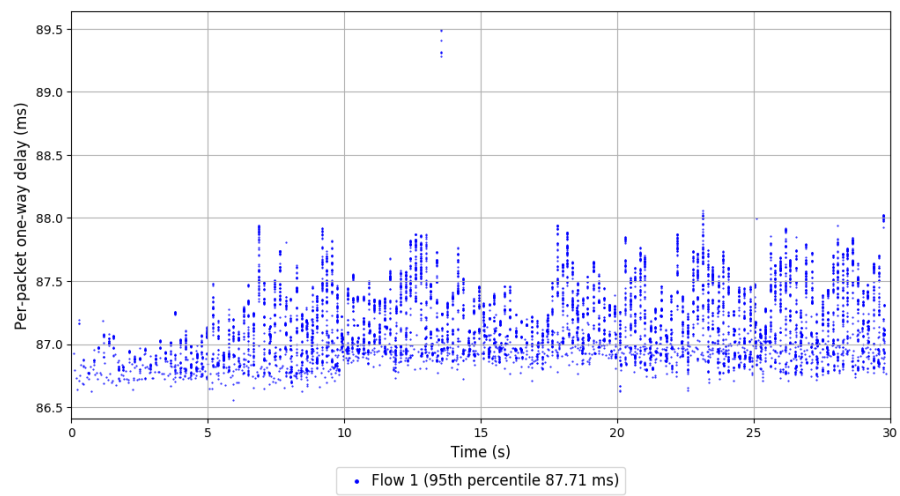
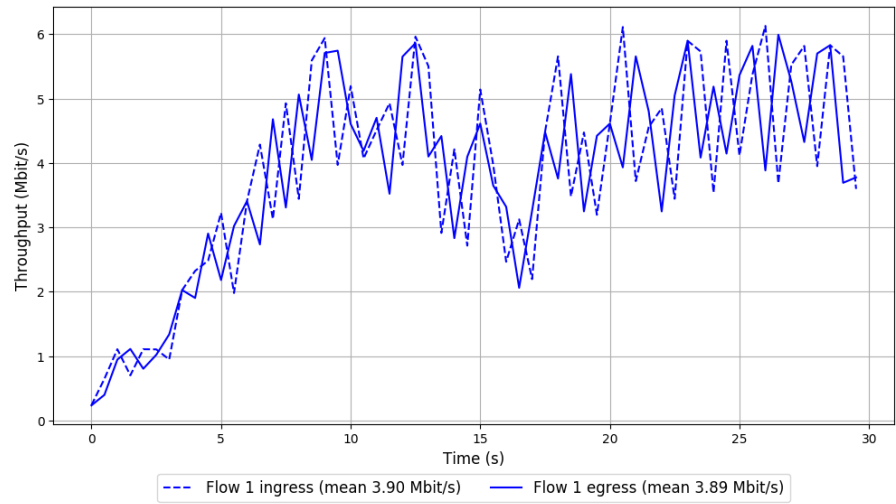
-- Flow 1:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 87.707 ms

Loss rate: 0.77%

Run 10: Report of Sprout — Data Link

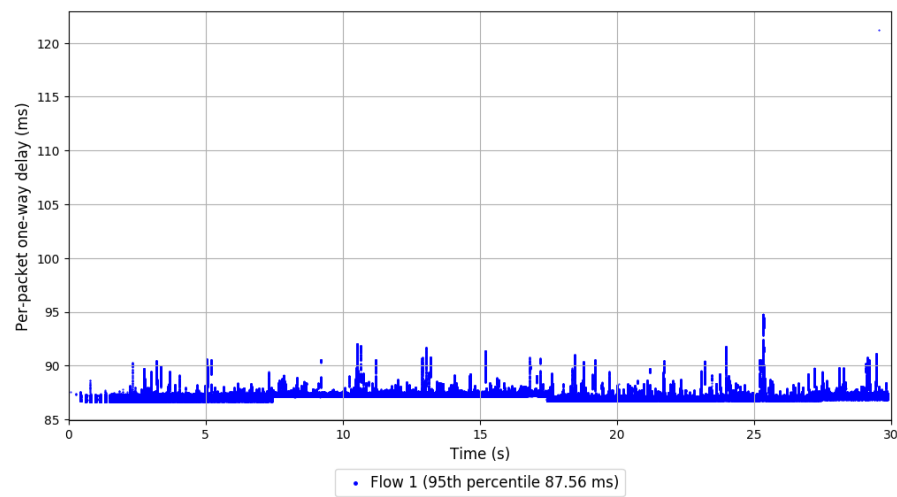
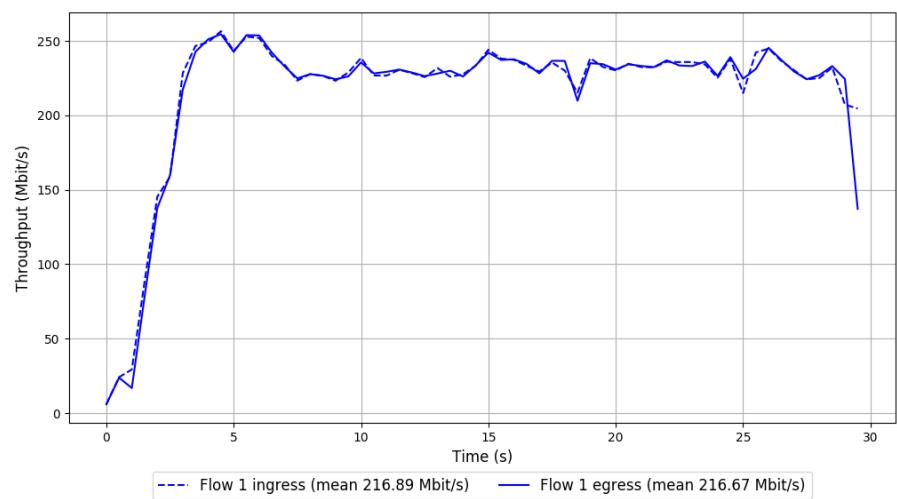


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 05:39:09
End at: 2018-04-17 05:39:39

# Below is generated by plot.py at 2018-04-17 10:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 87.558 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 87.558 ms
Loss rate: 0.68%
```

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

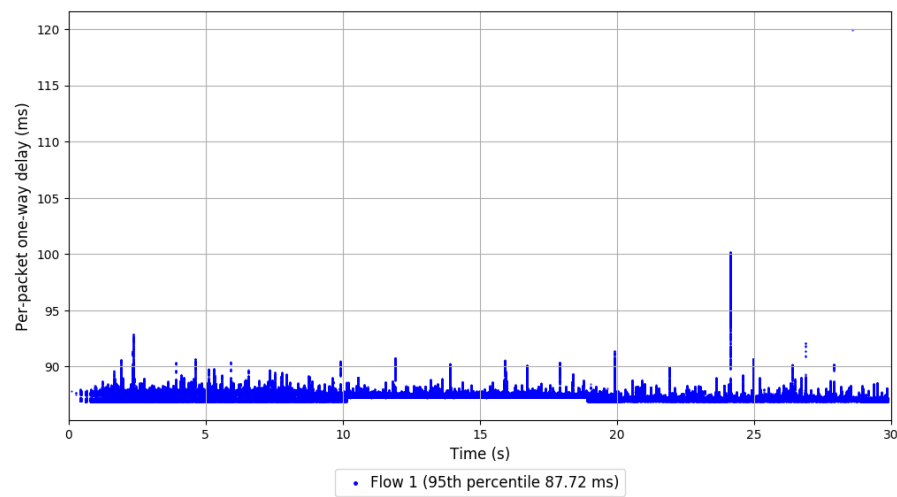
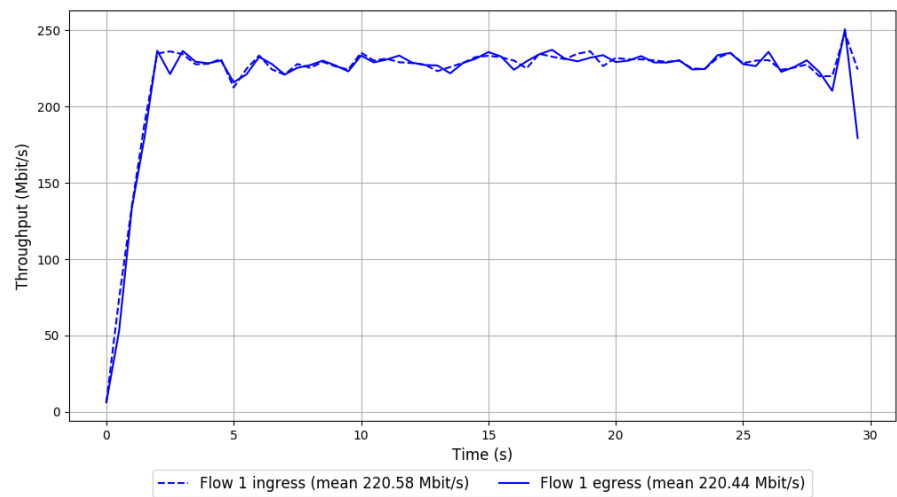


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 05:53:06
End at: 2018-04-17 05:53:37

# Below is generated by plot.py at 2018-04-17 10:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.44 Mbit/s
95th percentile per-packet one-way delay: 87.724 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 220.44 Mbit/s
95th percentile per-packet one-way delay: 87.724 ms
Loss rate: 0.64%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 06:06:48

End at: 2018-04-17 06:07:18

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.20 Mbit/s

95th percentile per-packet one-way delay: 88.734 ms

Loss rate: 0.65%

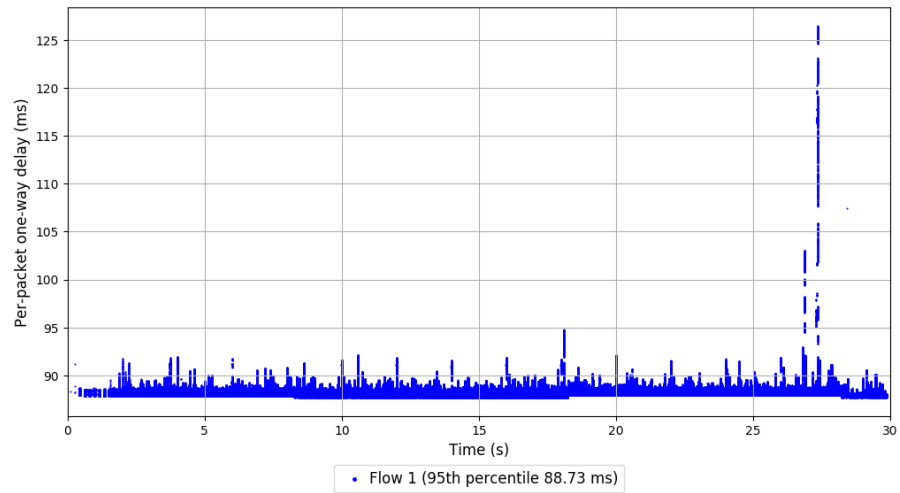
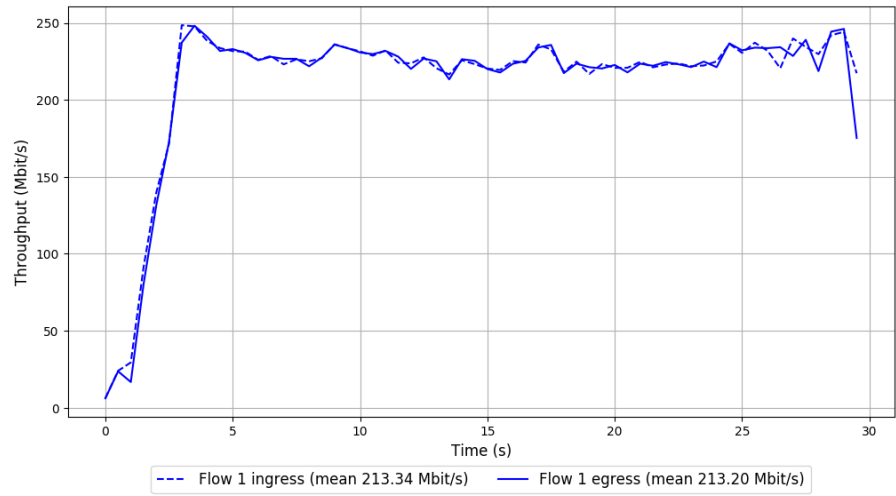
-- Flow 1:

Average throughput: 213.20 Mbit/s

95th percentile per-packet one-way delay: 88.734 ms

Loss rate: 0.65%

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

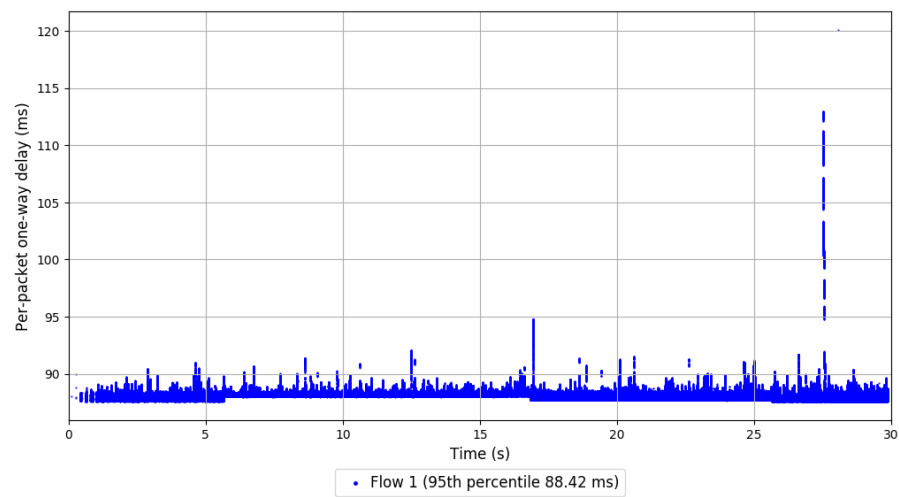
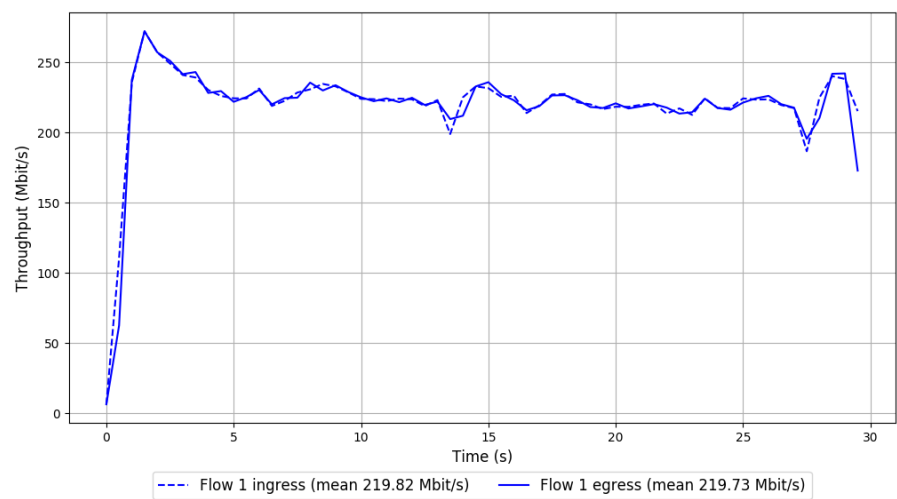


```
Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 06:20:30
End at: 2018-04-17 06:21:00

# Below is generated by plot.py at 2018-04-17 10:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.73 Mbit/s
95th percentile per-packet one-way delay: 88.420 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 219.73 Mbit/s
95th percentile per-packet one-way delay: 88.420 ms
Loss rate: 0.61%
```

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 06:34:18

End at: 2018-04-17 06:34:48

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.29 Mbit/s

95th percentile per-packet one-way delay: 89.325 ms

Loss rate: 0.56%

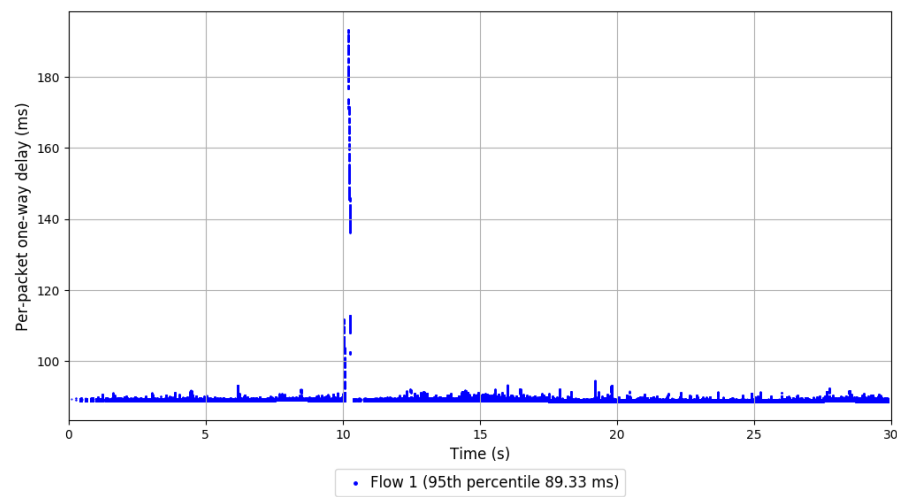
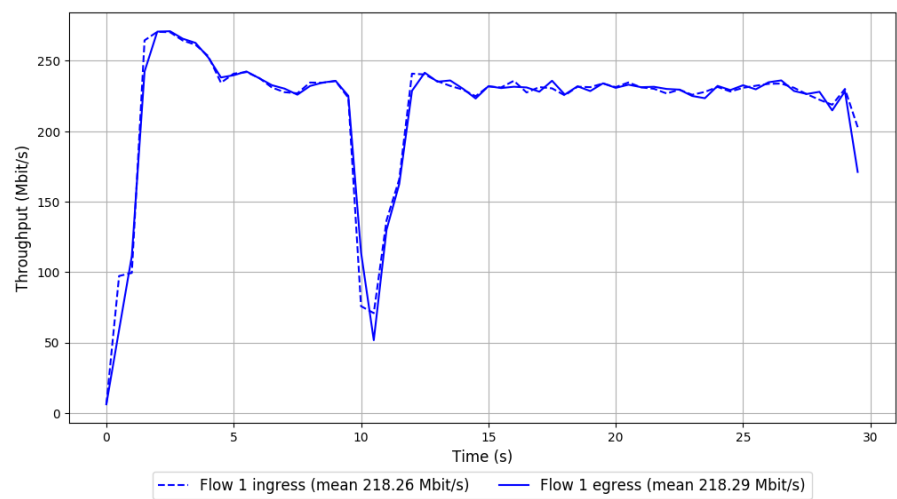
-- Flow 1:

Average throughput: 218.29 Mbit/s

95th percentile per-packet one-way delay: 89.325 ms

Loss rate: 0.56%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 06:48:01

End at: 2018-04-17 06:48:31

Below is generated by plot.py at 2018-04-17 10:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.36 Mbit/s

95th percentile per-packet one-way delay: 88.277 ms

Loss rate: 0.68%

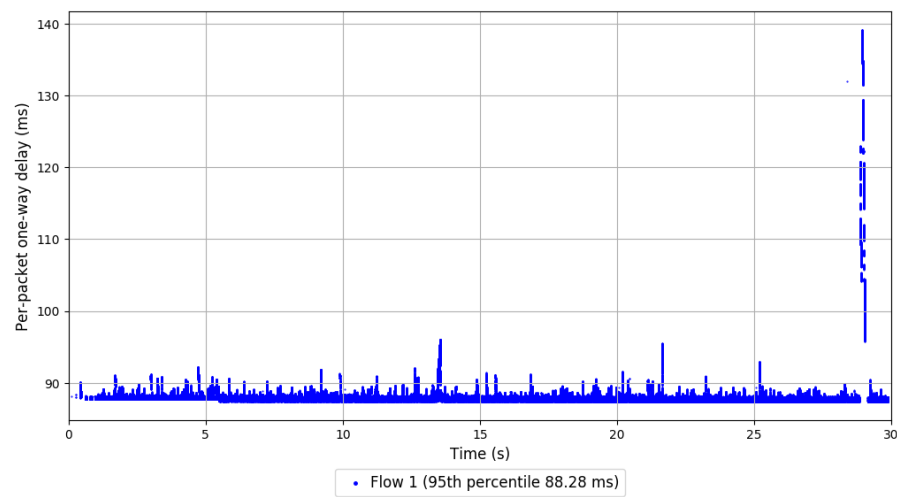
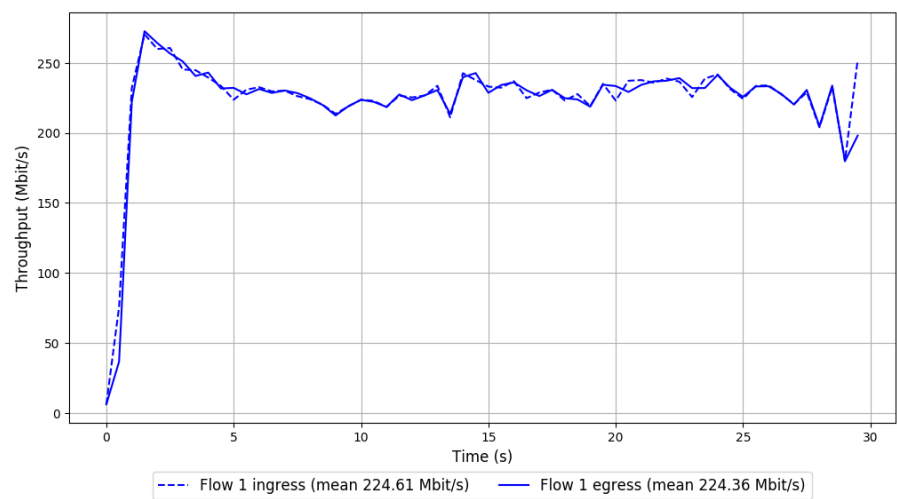
-- Flow 1:

Average throughput: 224.36 Mbit/s

95th percentile per-packet one-way delay: 88.277 ms

Loss rate: 0.68%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 07:01:45

End at: 2018-04-17 07:02:15

Below is generated by plot.py at 2018-04-17 10:42:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.42 Mbit/s

95th percentile per-packet one-way delay: 88.071 ms

Loss rate: 0.60%

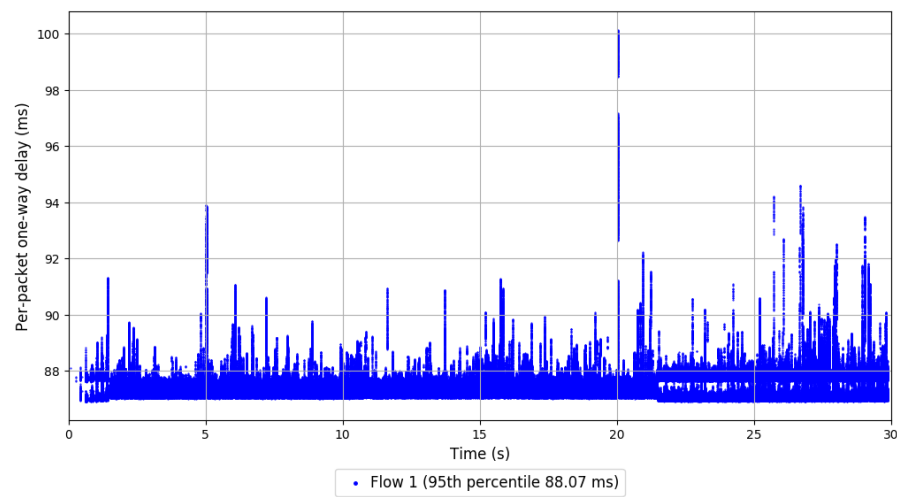
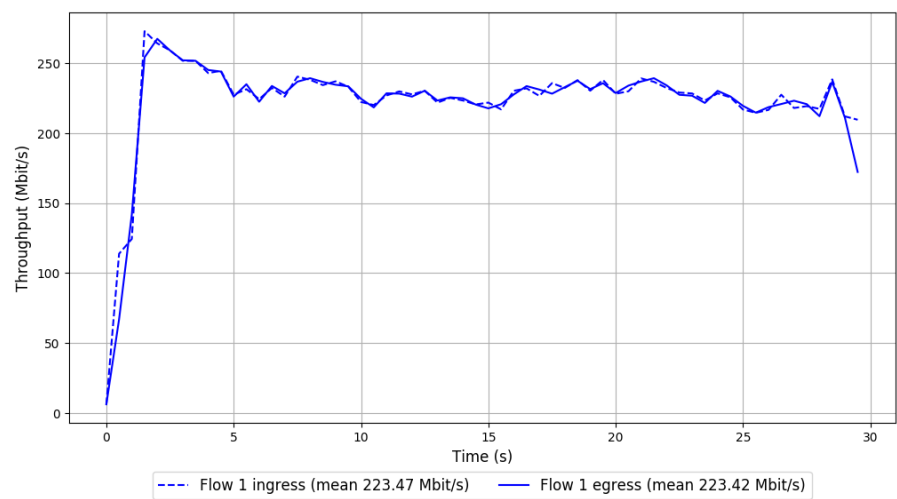
-- Flow 1:

Average throughput: 223.42 Mbit/s

95th percentile per-packet one-way delay: 88.071 ms

Loss rate: 0.60%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 07:15:47

End at: 2018-04-17 07:16:17

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.81 Mbit/s

95th percentile per-packet one-way delay: 87.917 ms

Loss rate: 0.62%

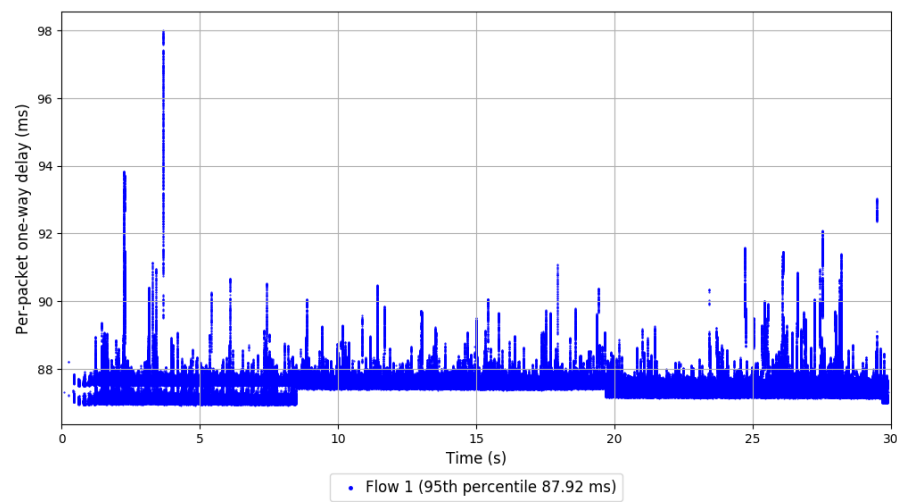
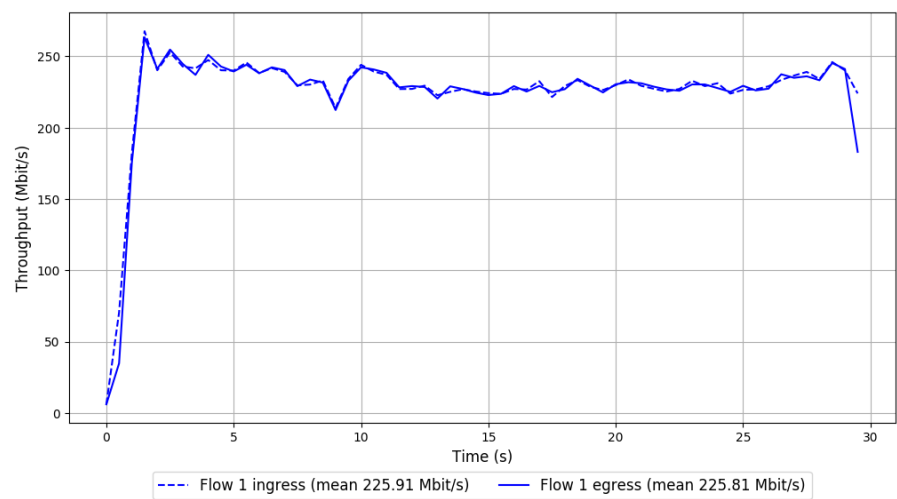
-- Flow 1:

Average throughput: 225.81 Mbit/s

95th percentile per-packet one-way delay: 87.917 ms

Loss rate: 0.62%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 07:29:28

End at: 2018-04-17 07:29:58

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.74 Mbit/s

95th percentile per-packet one-way delay: 87.349 ms

Loss rate: 0.58%

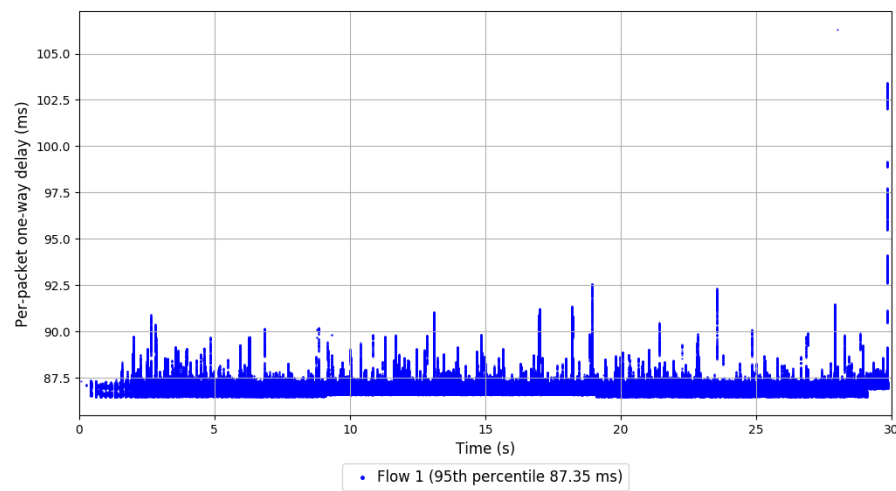
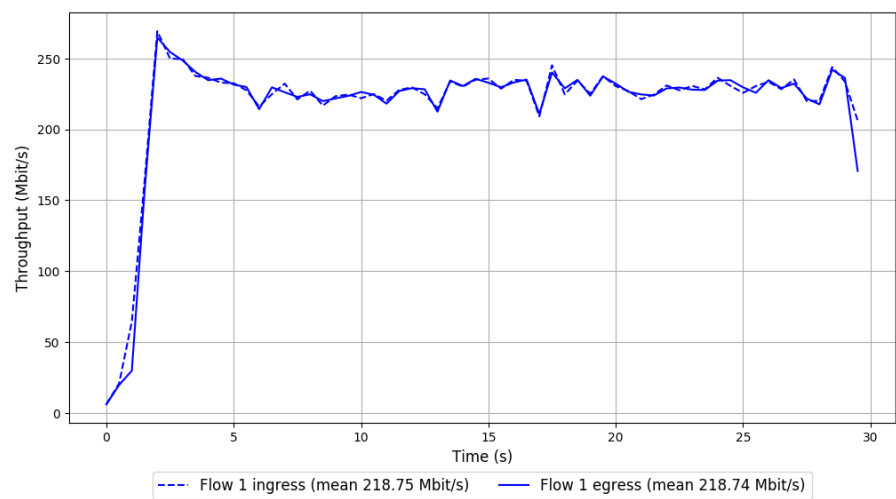
-- Flow 1:

Average throughput: 218.74 Mbit/s

95th percentile per-packet one-way delay: 87.349 ms

Loss rate: 0.58%

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

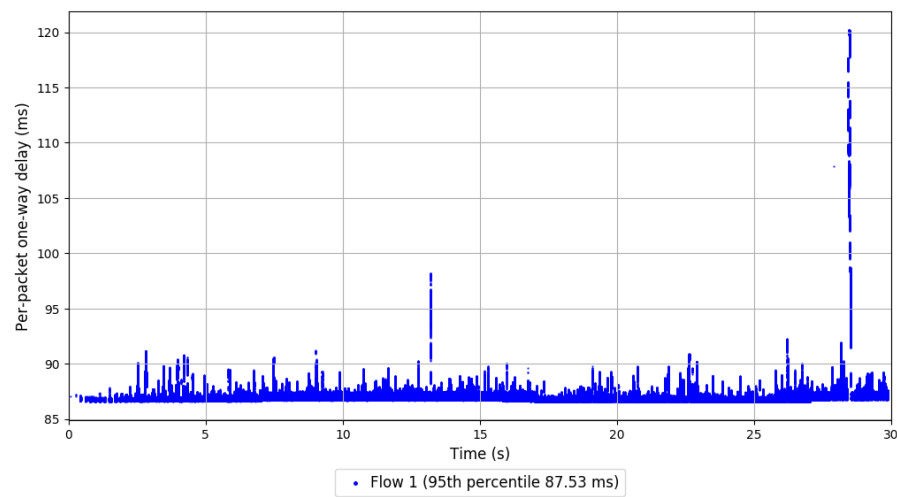
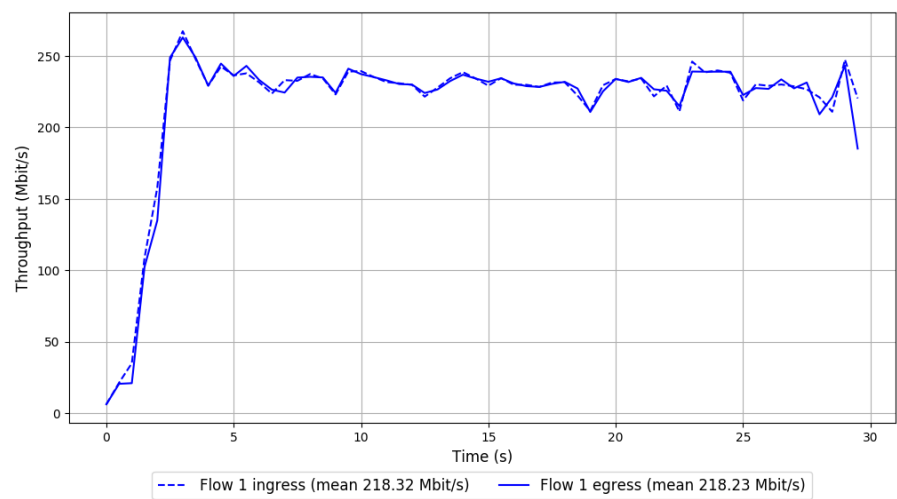


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 07:43:10
End at: 2018-04-17 07:43:40

# Below is generated by plot.py at 2018-04-17 10:42:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.23 Mbit/s
95th percentile per-packet one-way delay: 87.535 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 218.23 Mbit/s
95th percentile per-packet one-way delay: 87.535 ms
Loss rate: 0.59%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 05:42:40

End at: 2018-04-17 05:43:10

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.26 Mbit/s

95th percentile per-packet one-way delay: 95.445 ms

Loss rate: 0.61%

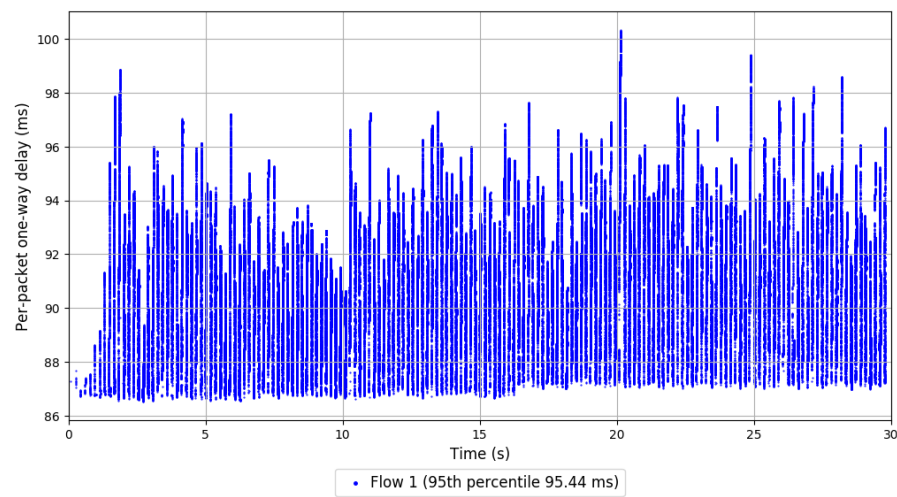
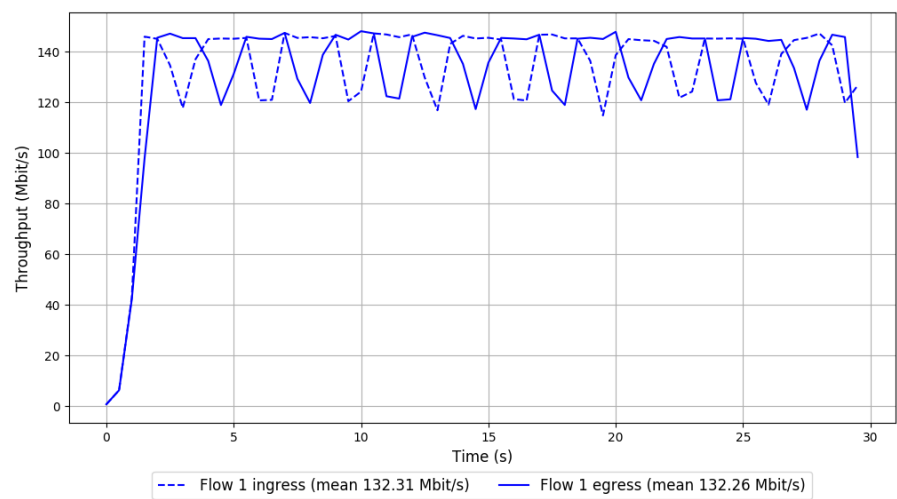
-- Flow 1:

Average throughput: 132.26 Mbit/s

95th percentile per-packet one-way delay: 95.445 ms

Loss rate: 0.61%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 05:56:26

End at: 2018-04-17 05:56:56

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.45 Mbit/s

95th percentile per-packet one-way delay: 91.078 ms

Loss rate: 0.55%

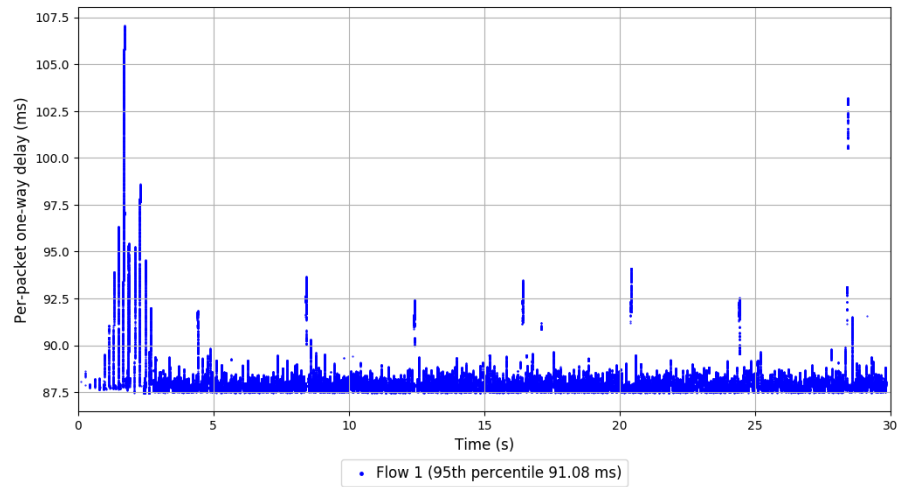
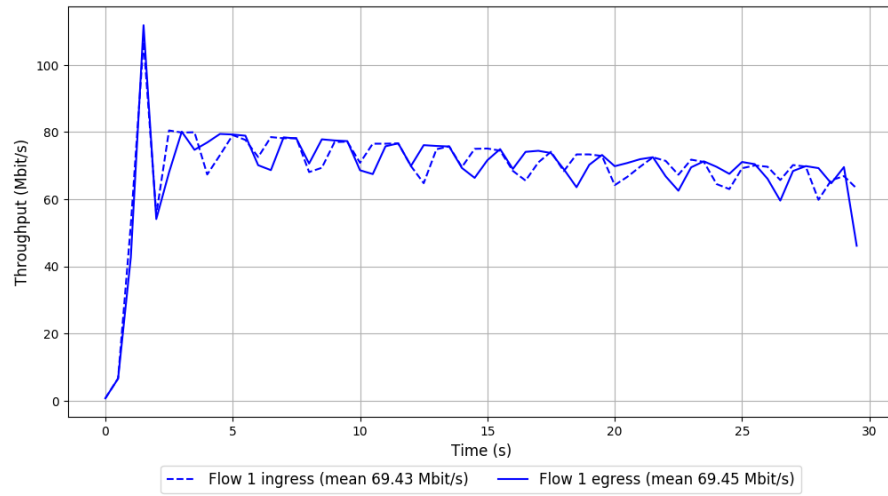
-- Flow 1:

Average throughput: 69.45 Mbit/s

95th percentile per-packet one-way delay: 91.078 ms

Loss rate: 0.55%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 06:10:07

End at: 2018-04-17 06:10:37

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.83 Mbit/s

95th percentile per-packet one-way delay: 90.196 ms

Loss rate: 0.32%

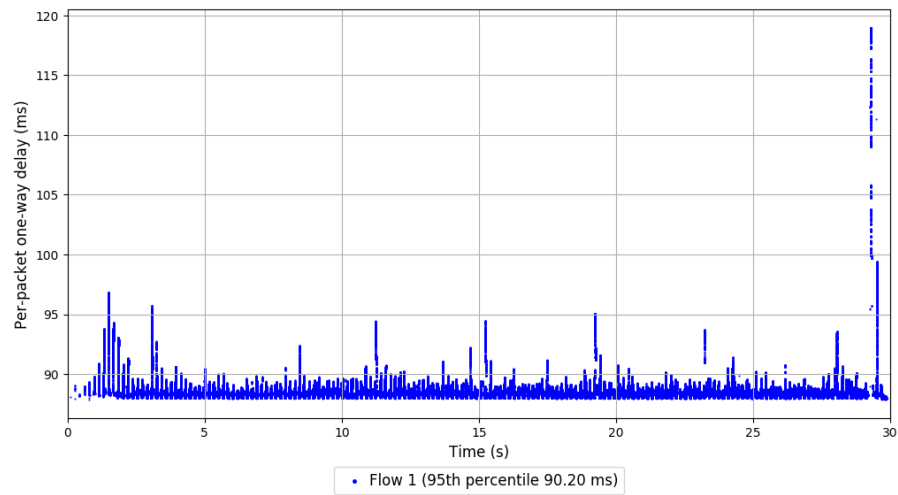
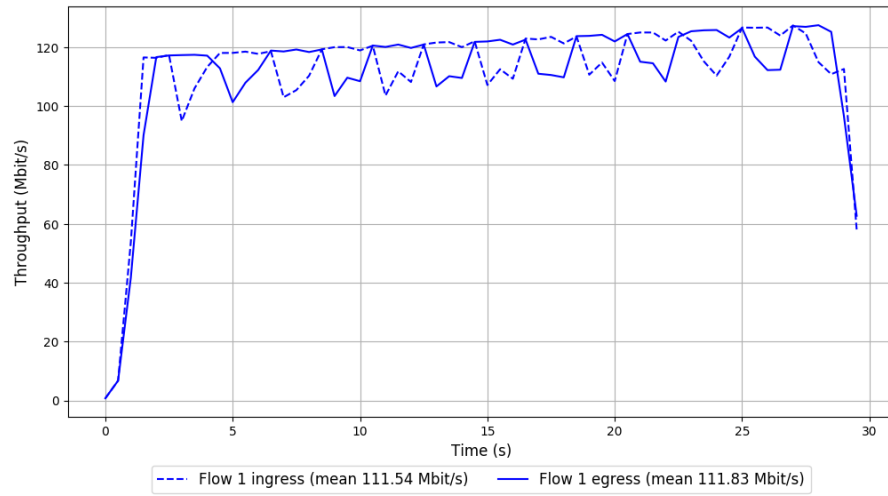
-- Flow 1:

Average throughput: 111.83 Mbit/s

95th percentile per-packet one-way delay: 90.196 ms

Loss rate: 0.32%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 06:23:54

End at: 2018-04-17 06:24:24

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.54 Mbit/s

95th percentile per-packet one-way delay: 96.762 ms

Loss rate: 0.67%

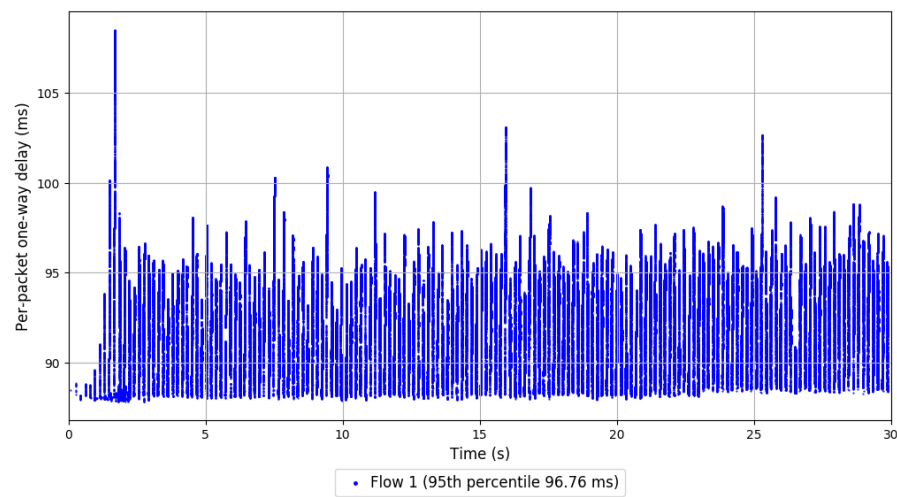
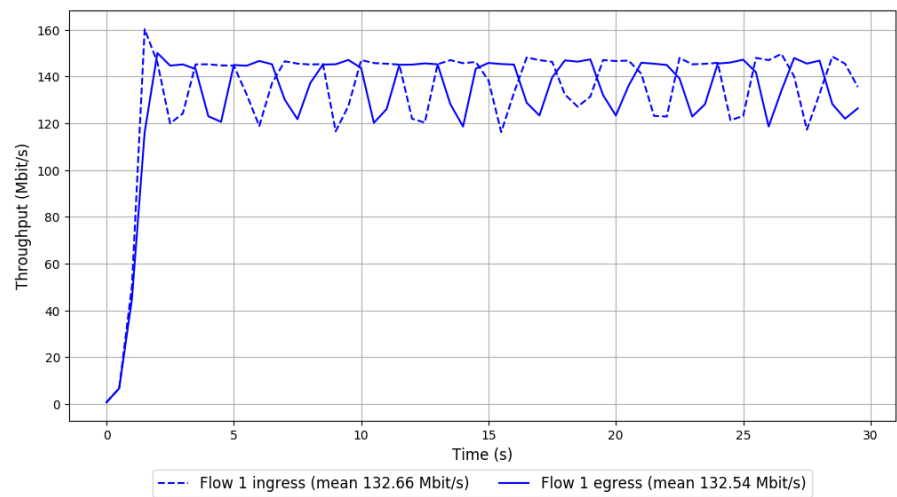
-- Flow 1:

Average throughput: 132.54 Mbit/s

95th percentile per-packet one-way delay: 96.762 ms

Loss rate: 0.67%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 06:37:37

End at: 2018-04-17 06:38:07

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.85 Mbit/s

95th percentile per-packet one-way delay: 98.655 ms

Loss rate: 0.37%

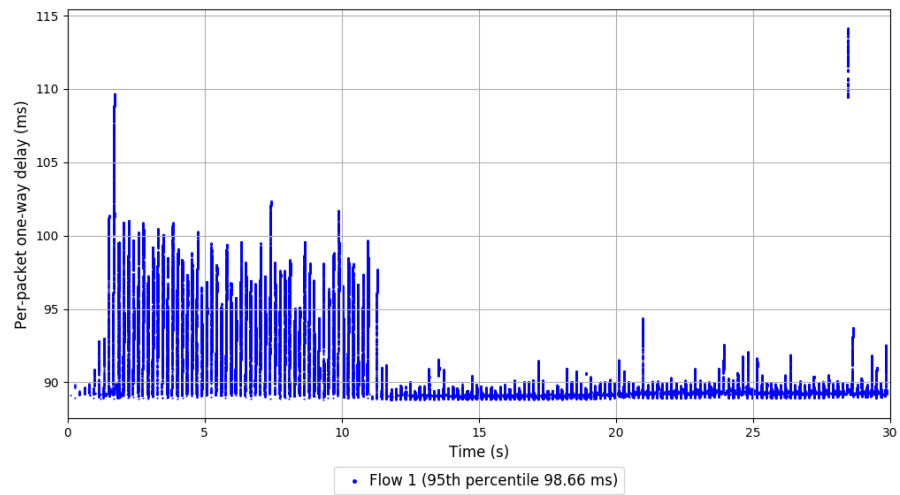
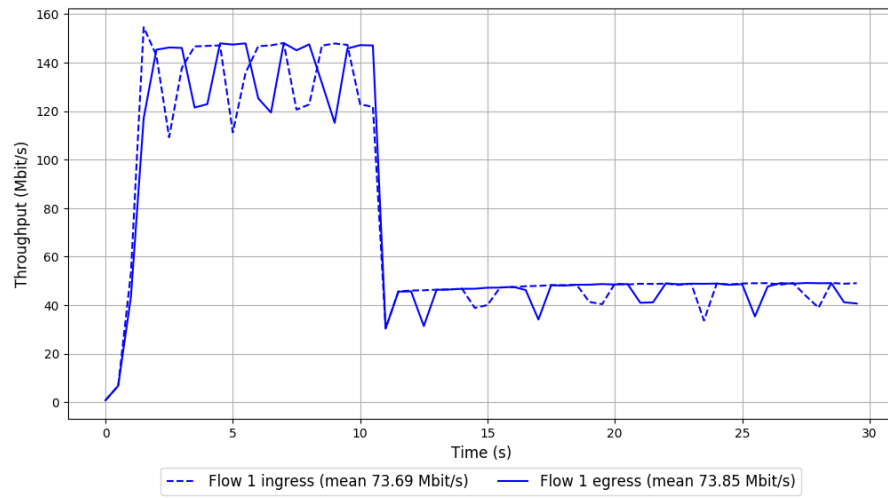
-- Flow 1:

Average throughput: 73.85 Mbit/s

95th percentile per-packet one-way delay: 98.655 ms

Loss rate: 0.37%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 06:51:23

End at: 2018-04-17 06:51:53

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.69 Mbit/s

95th percentile per-packet one-way delay: 88.741 ms

Loss rate: 0.63%

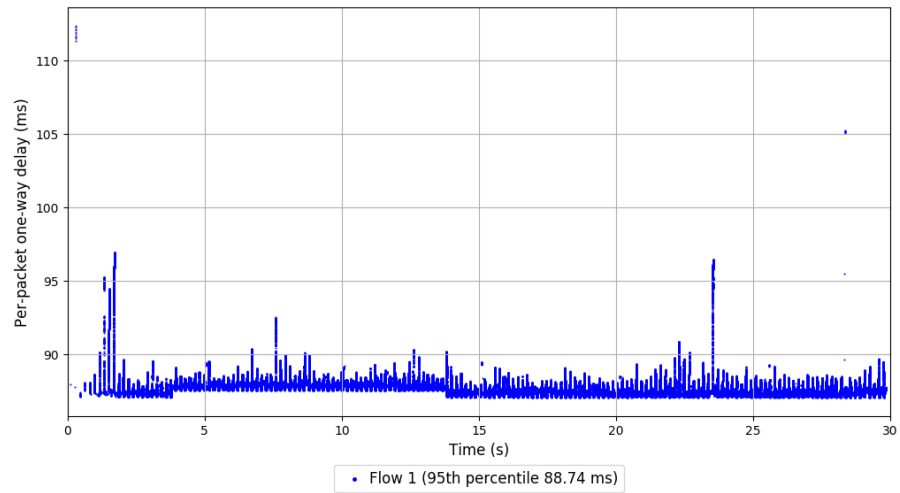
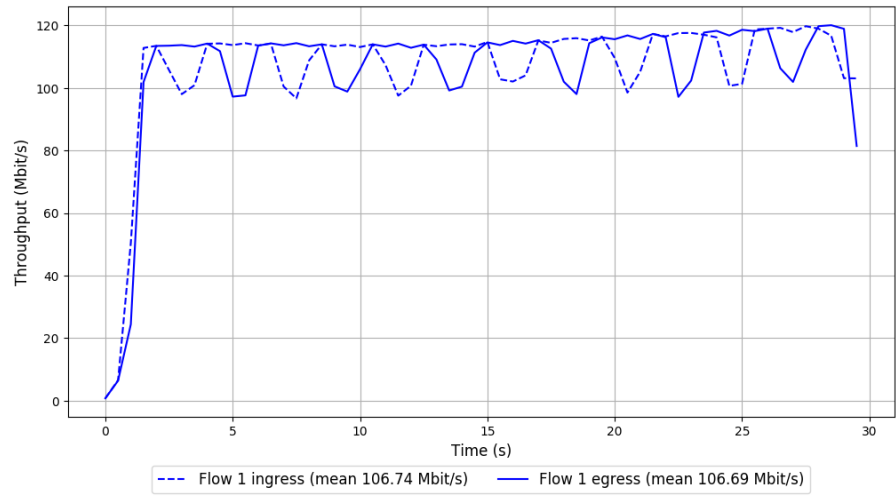
-- Flow 1:

Average throughput: 106.69 Mbit/s

95th percentile per-packet one-way delay: 88.741 ms

Loss rate: 0.63%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 07:05:06

End at: 2018-04-17 07:05:36

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.09 Mbit/s

95th percentile per-packet one-way delay: 98.329 ms

Loss rate: 0.62%

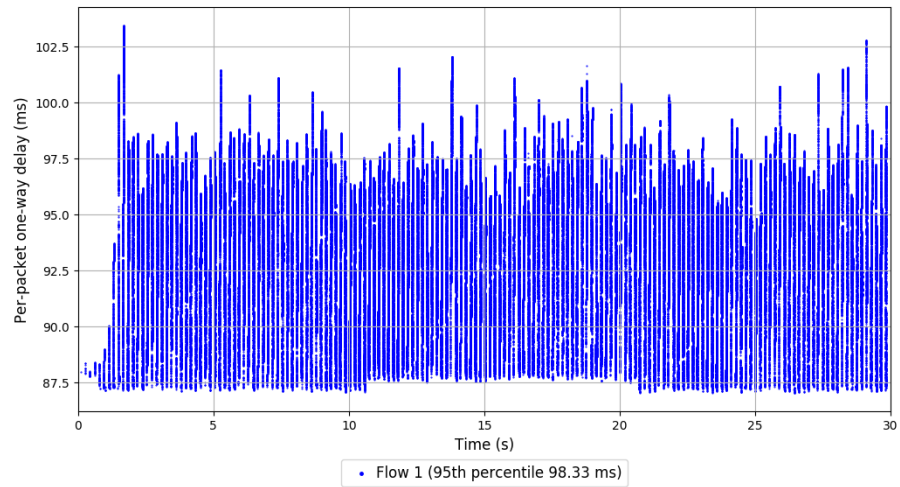
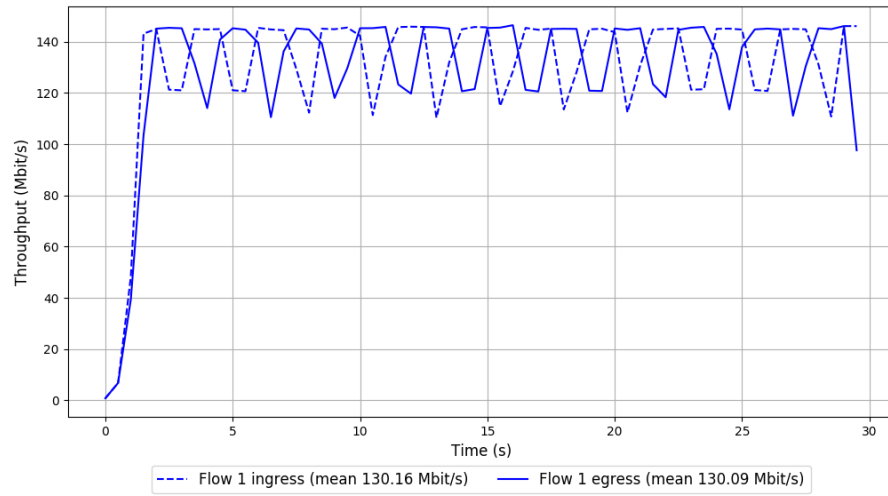
-- Flow 1:

Average throughput: 130.09 Mbit/s

95th percentile per-packet one-way delay: 98.329 ms

Loss rate: 0.62%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 07:19:06

End at: 2018-04-17 07:19:36

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.16 Mbit/s

95th percentile per-packet one-way delay: 96.662 ms

Loss rate: 0.61%

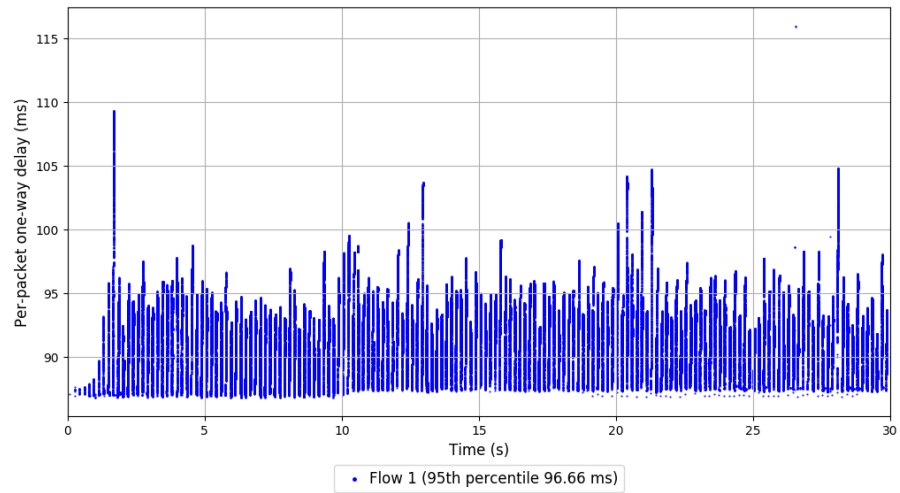
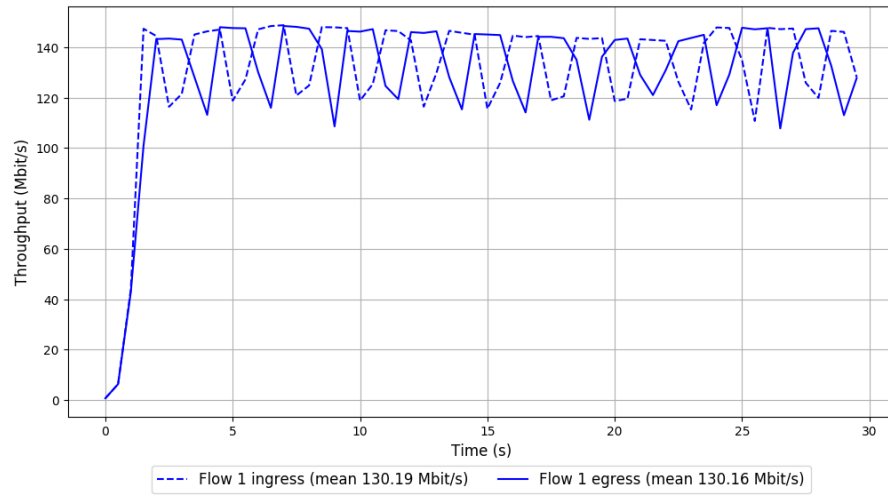
-- Flow 1:

Average throughput: 130.16 Mbit/s

95th percentile per-packet one-way delay: 96.662 ms

Loss rate: 0.61%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 07:32:48

End at: 2018-04-17 07:33:18

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.41 Mbit/s

95th percentile per-packet one-way delay: 88.661 ms

Loss rate: 0.60%

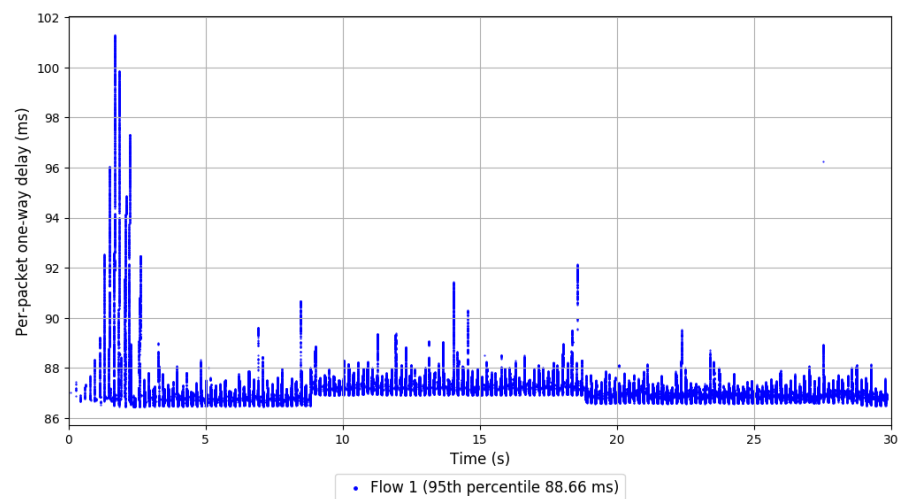
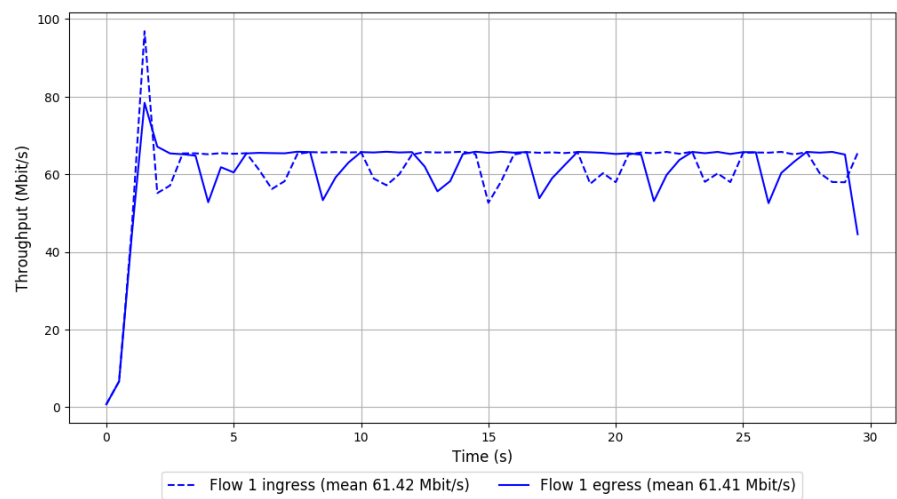
-- Flow 1:

Average throughput: 61.41 Mbit/s

95th percentile per-packet one-way delay: 88.661 ms

Loss rate: 0.60%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 07:46:30

End at: 2018-04-17 07:47:00

Below is generated by plot.py at 2018-04-17 10:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.19 Mbit/s

95th percentile per-packet one-way delay: 95.912 ms

Loss rate: 0.61%

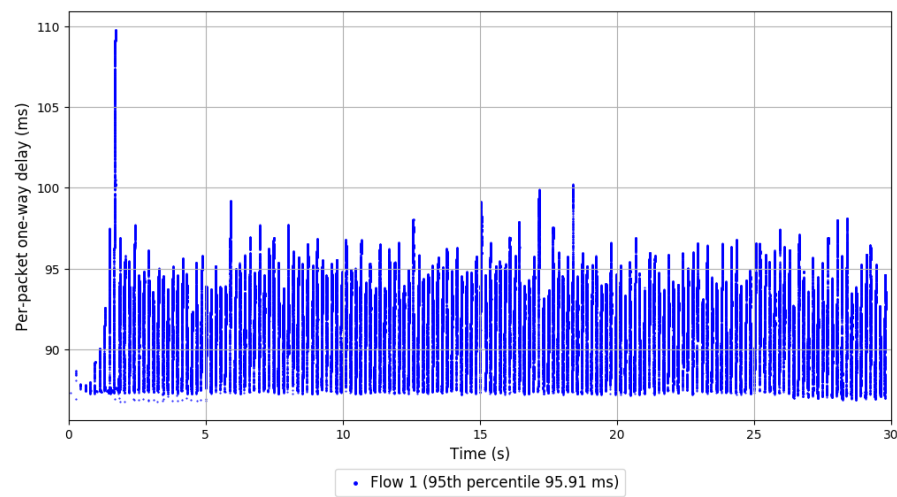
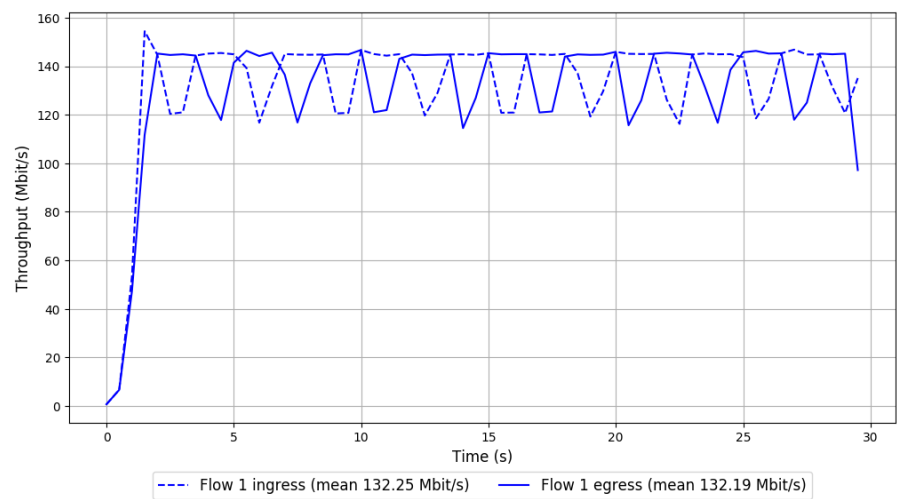
-- Flow 1:

Average throughput: 132.19 Mbit/s

95th percentile per-packet one-way delay: 95.912 ms

Loss rate: 0.61%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-17 05:41:49

End at: 2018-04-17 05:42:19

Below is generated by plot.py at 2018-04-17 10:43:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.86 Mbit/s

95th percentile per-packet one-way delay: 240.238 ms

Loss rate: 5.69%

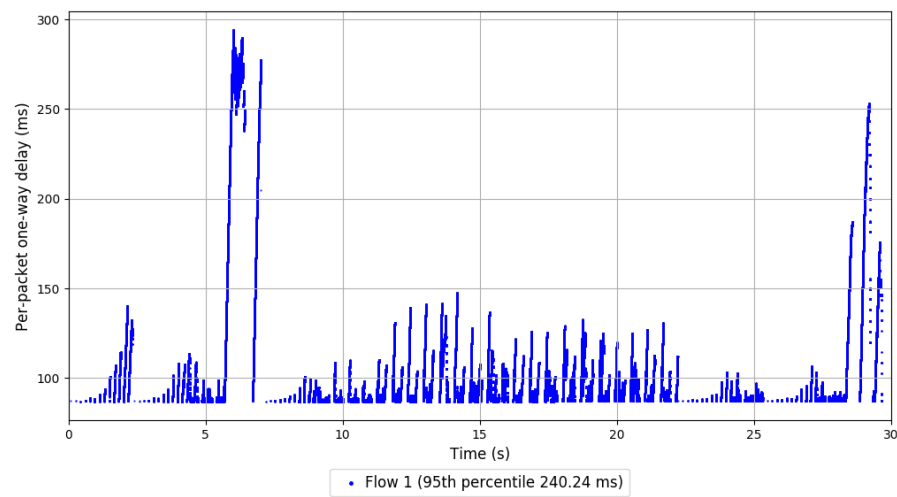
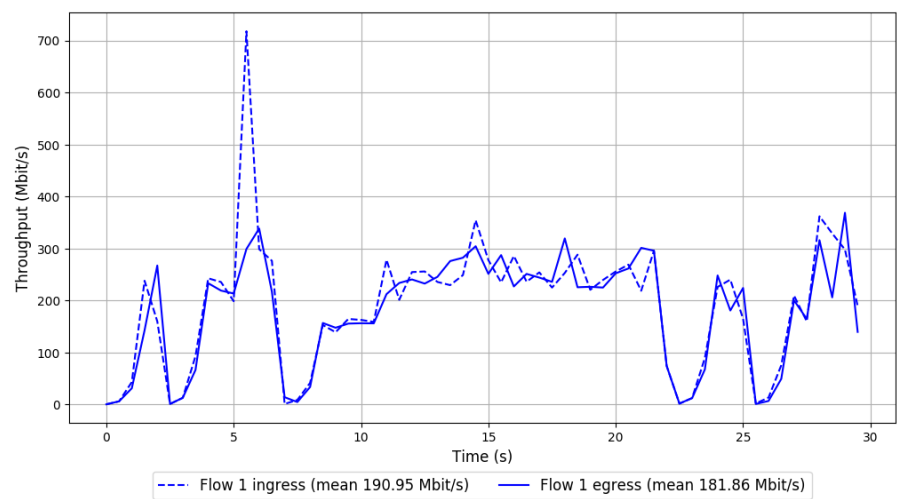
-- Flow 1:

Average throughput: 181.86 Mbit/s

95th percentile per-packet one-way delay: 240.238 ms

Loss rate: 5.69%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-17 05:55:34

End at: 2018-04-17 05:56:04

Below is generated by plot.py at 2018-04-17 10:43:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.25 Mbit/s

95th percentile per-packet one-way delay: 107.443 ms

Loss rate: 1.00%

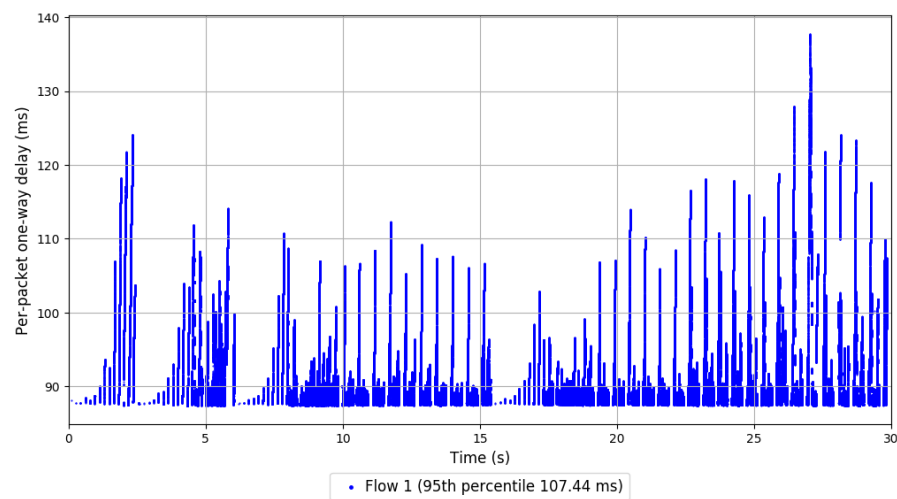
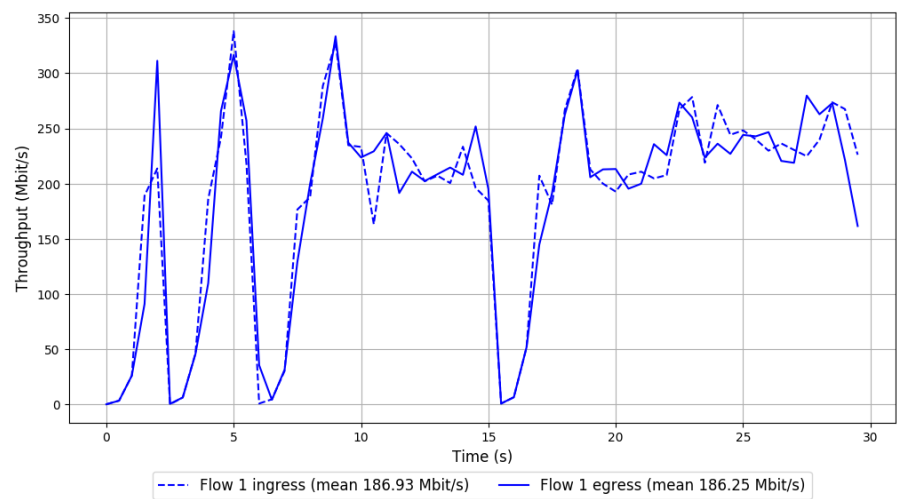
-- Flow 1:

Average throughput: 186.25 Mbit/s

95th percentile per-packet one-way delay: 107.443 ms

Loss rate: 1.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-17 06:09:16

End at: 2018-04-17 06:09:46

Below is generated by plot.py at 2018-04-17 10:44:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.12 Mbit/s

95th percentile per-packet one-way delay: 199.582 ms

Loss rate: 2.06%

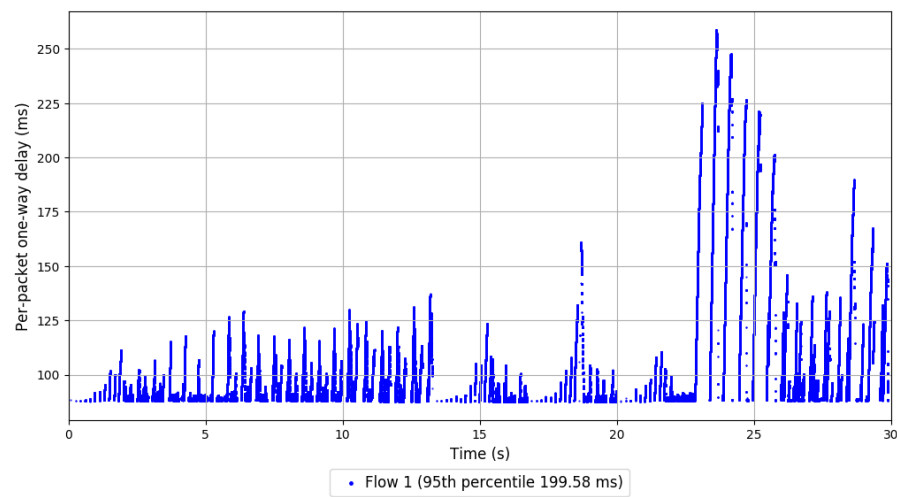
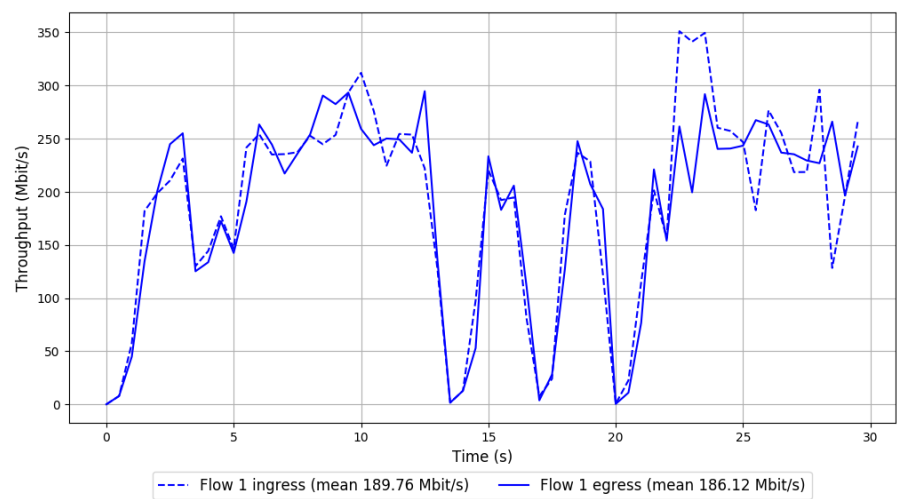
-- Flow 1:

Average throughput: 186.12 Mbit/s

95th percentile per-packet one-way delay: 199.582 ms

Loss rate: 2.06%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-17 06:22:58

End at: 2018-04-17 06:23:28

Below is generated by plot.py at 2018-04-17 10:47:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.44 Mbit/s

95th percentile per-packet one-way delay: 169.219 ms

Loss rate: 0.31%

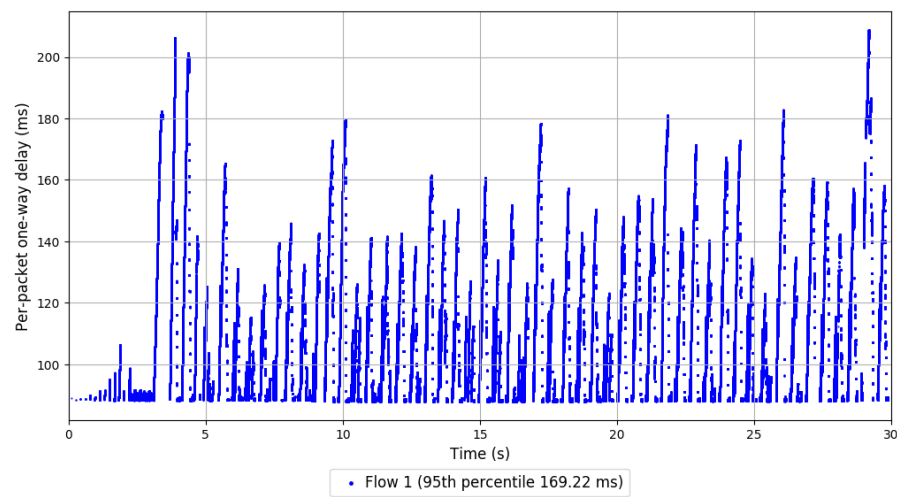
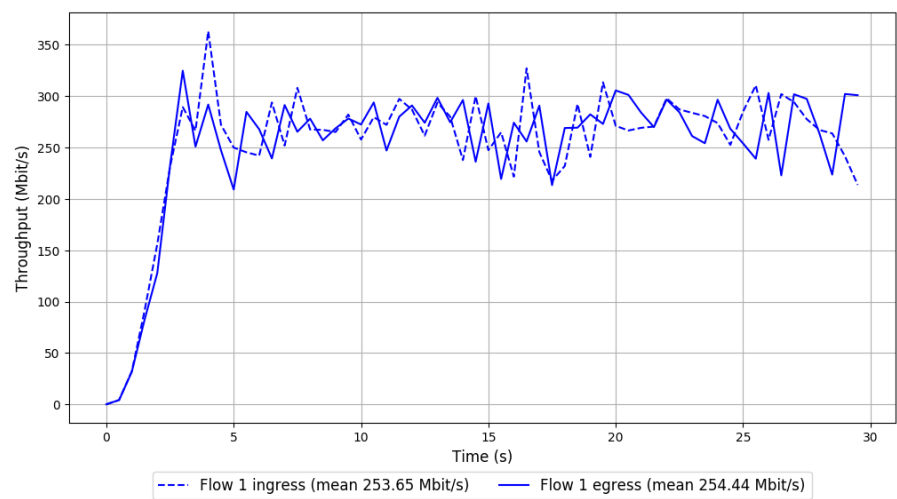
-- Flow 1:

Average throughput: 254.44 Mbit/s

95th percentile per-packet one-way delay: 169.219 ms

Loss rate: 0.31%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 06:36:45

End at: 2018-04-17 06:37:15

Below is generated by plot.py at 2018-04-17 10:47:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.06 Mbit/s

95th percentile per-packet one-way delay: 127.351 ms

Loss rate: 0.92%

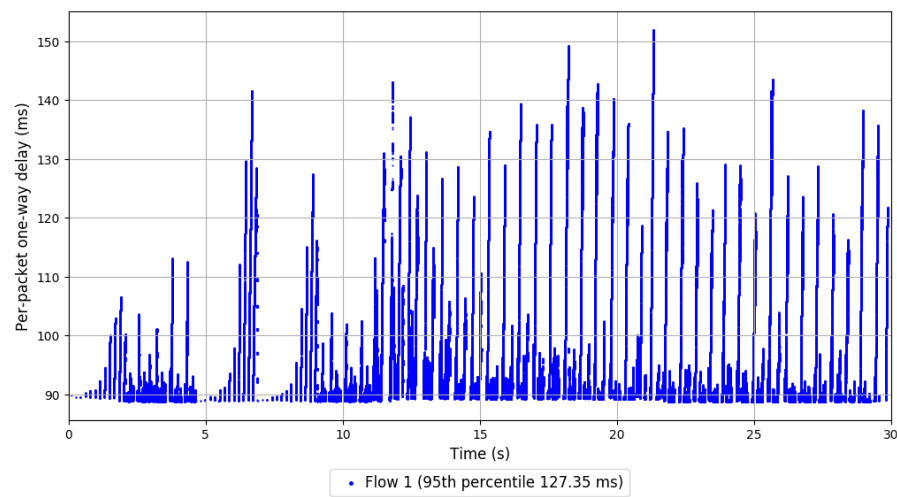
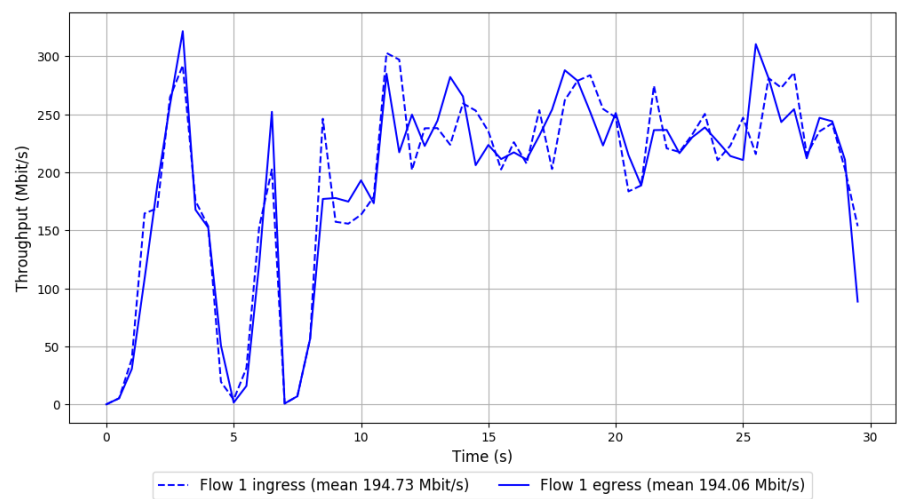
-- Flow 1:

Average throughput: 194.06 Mbit/s

95th percentile per-packet one-way delay: 127.351 ms

Loss rate: 0.92%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-17 06:50:31

End at: 2018-04-17 06:51:01

Below is generated by plot.py at 2018-04-17 10:47:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.81 Mbit/s

95th percentile per-packet one-way delay: 177.776 ms

Loss rate: 1.40%

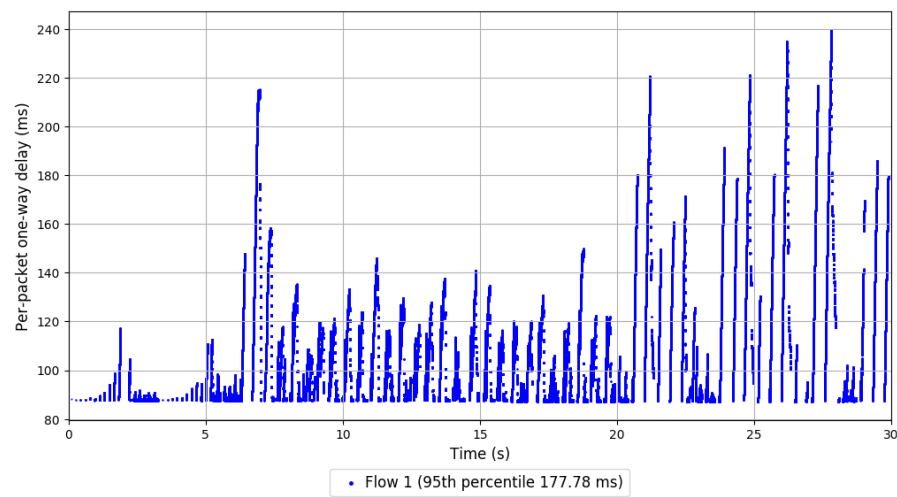
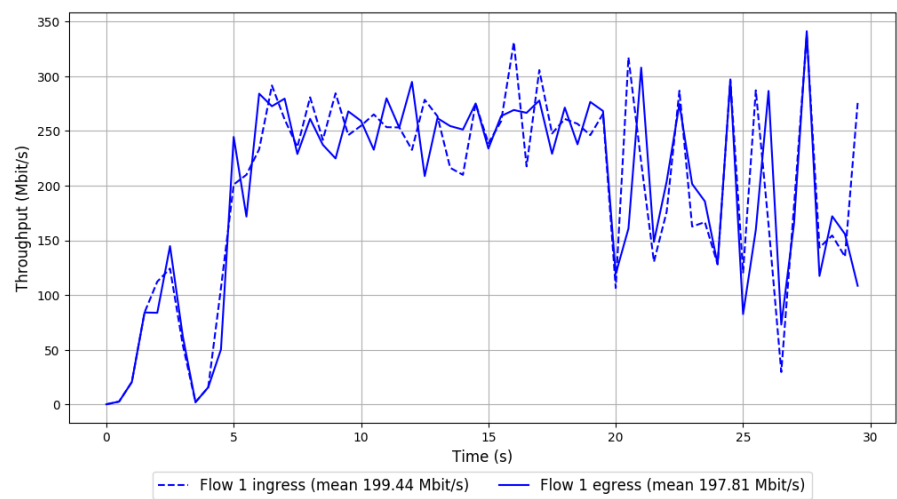
-- Flow 1:

Average throughput: 197.81 Mbit/s

95th percentile per-packet one-way delay: 177.776 ms

Loss rate: 1.40%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-17 07:04:14

End at: 2018-04-17 07:04:44

Below is generated by plot.py at 2018-04-17 10:47:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.51 Mbit/s

95th percentile per-packet one-way delay: 181.623 ms

Loss rate: 1.97%

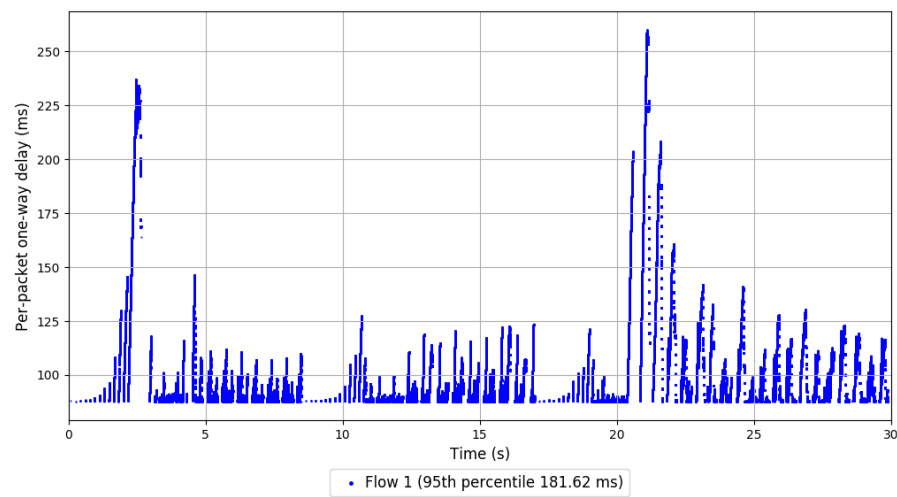
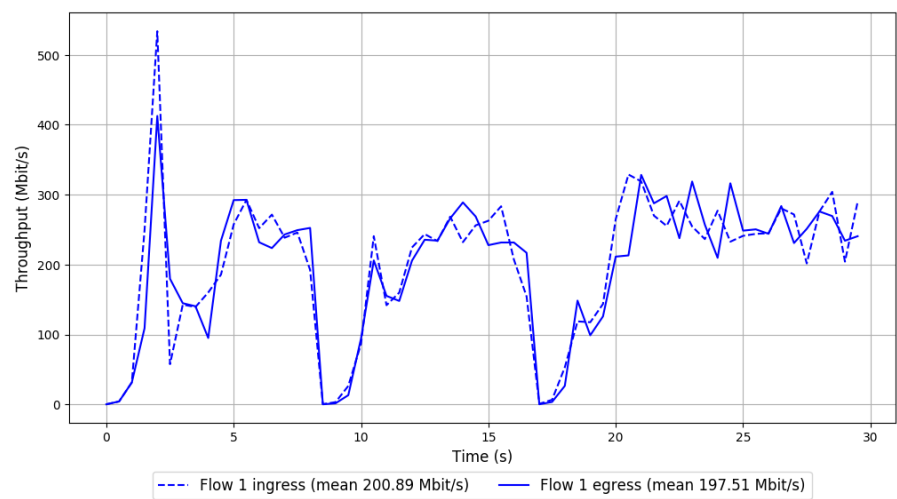
-- Flow 1:

Average throughput: 197.51 Mbit/s

95th percentile per-packet one-way delay: 181.623 ms

Loss rate: 1.97%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-17 07:18:16

End at: 2018-04-17 07:18:46

Below is generated by plot.py at 2018-04-17 10:47:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.44 Mbit/s

95th percentile per-packet one-way delay: 120.092 ms

Loss rate: 1.06%

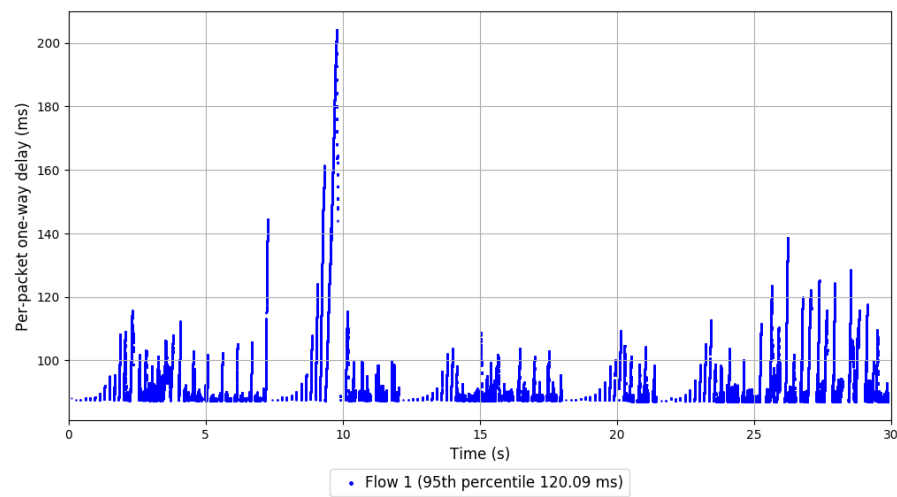
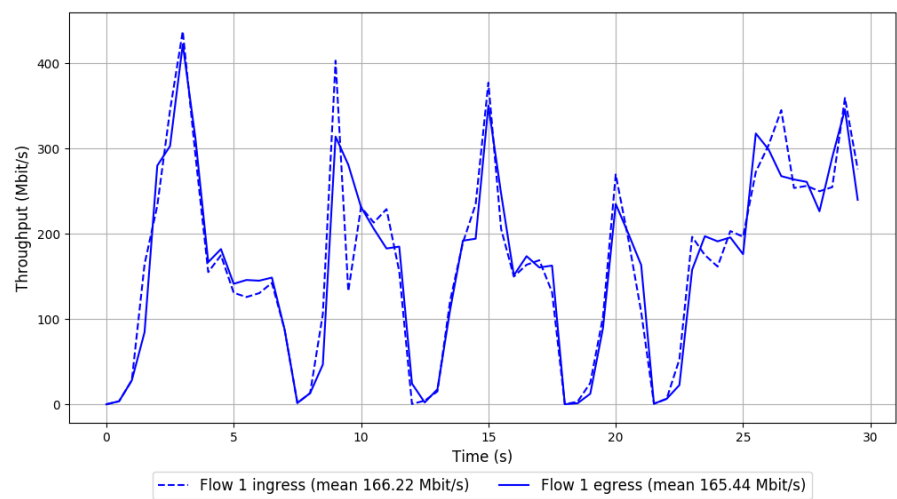
-- Flow 1:

Average throughput: 165.44 Mbit/s

95th percentile per-packet one-way delay: 120.092 ms

Loss rate: 1.06%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-17 07:31:55

End at: 2018-04-17 07:32:25

Below is generated by plot.py at 2018-04-17 10:47:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.55 Mbit/s

95th percentile per-packet one-way delay: 192.095 ms

Loss rate: 0.61%

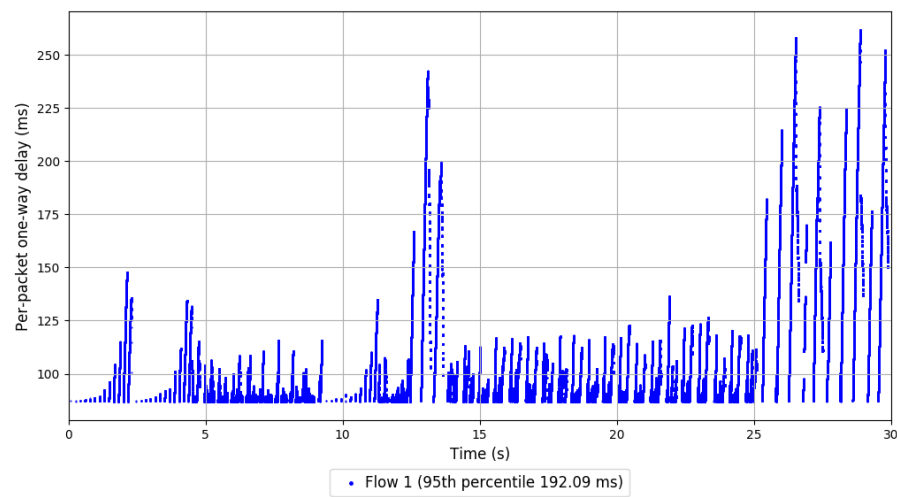
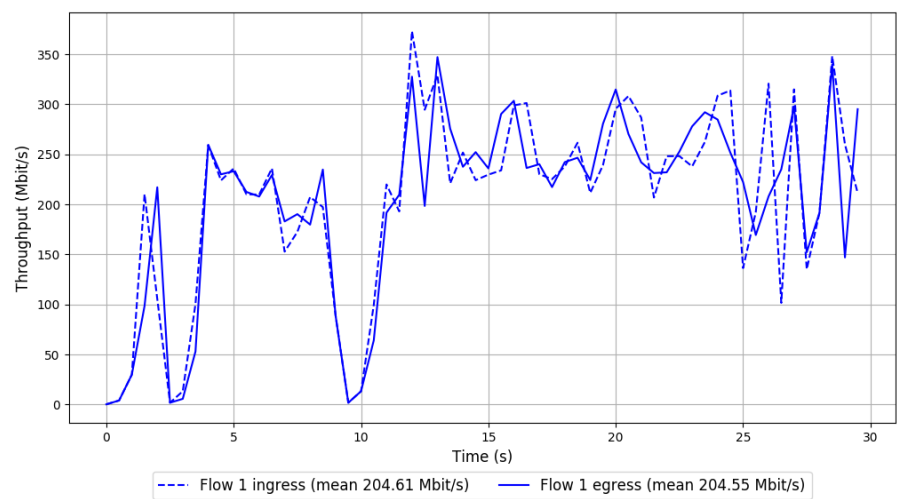
-- Flow 1:

Average throughput: 204.55 Mbit/s

95th percentile per-packet one-way delay: 192.095 ms

Loss rate: 0.61%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-17 07:45:37

End at: 2018-04-17 07:46:07

Below is generated by plot.py at 2018-04-17 10:48:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.85 Mbit/s

95th percentile per-packet one-way delay: 238.695 ms

Loss rate: 4.75%

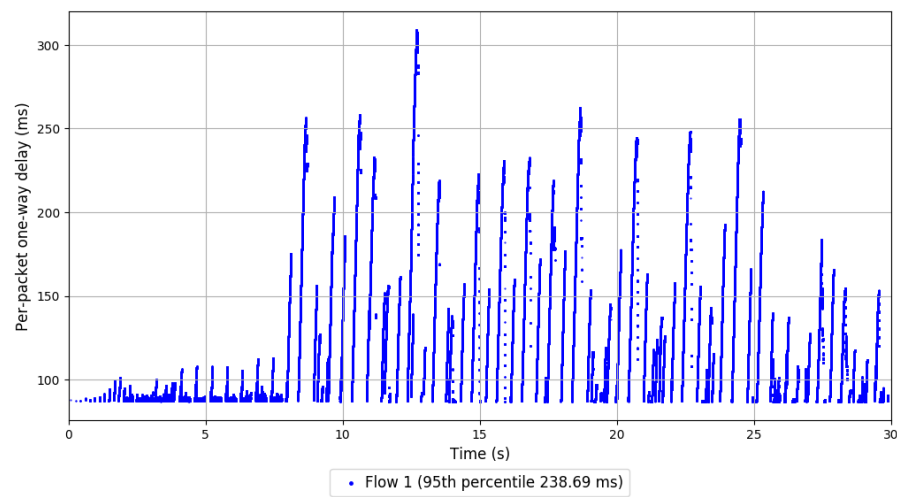
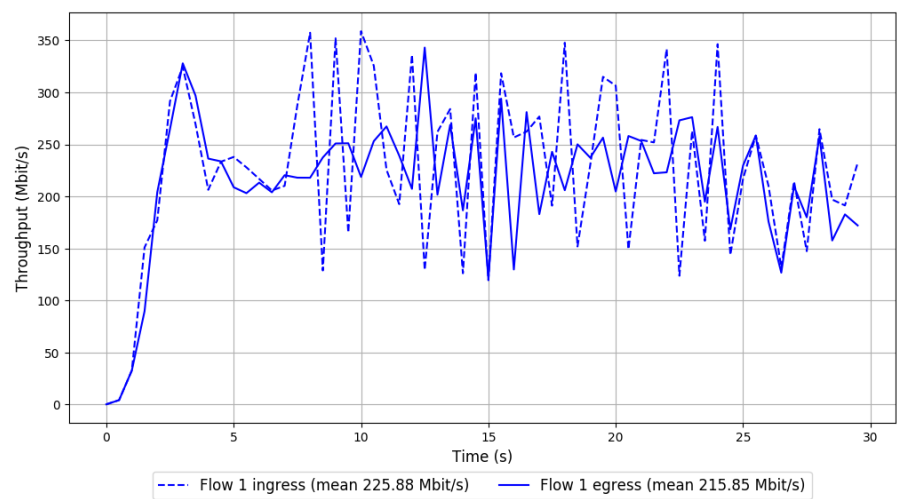
-- Flow 1:

Average throughput: 215.85 Mbit/s

95th percentile per-packet one-way delay: 238.695 ms

Loss rate: 4.75%

Run 10: Report of Verus — Data Link

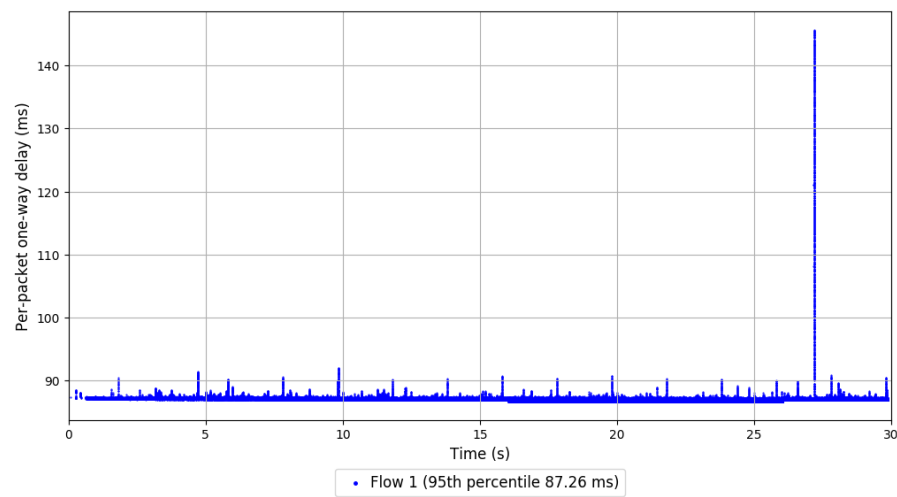
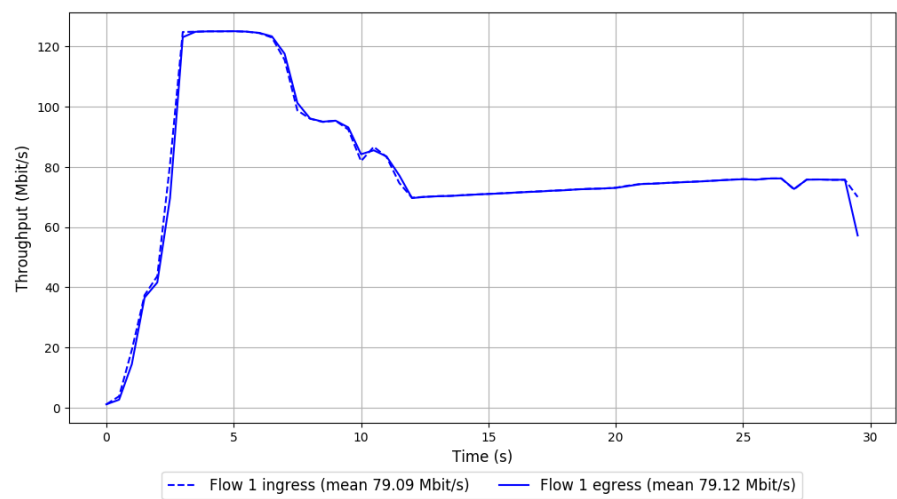


```
Run 1: Statistics of Copa

Start at: 2018-04-17 05:40:21
End at: 2018-04-17 05:40:51

# Below is generated by plot.py at 2018-04-17 10:48:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.12 Mbit/s
95th percentile per-packet one-way delay: 87.259 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 79.12 Mbit/s
95th percentile per-packet one-way delay: 87.259 ms
Loss rate: 0.55%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-17 05:54:06

End at: 2018-04-17 05:54:36

Below is generated by plot.py at 2018-04-17 10:48:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.82 Mbit/s

95th percentile per-packet one-way delay: 87.454 ms

Loss rate: 0.48%

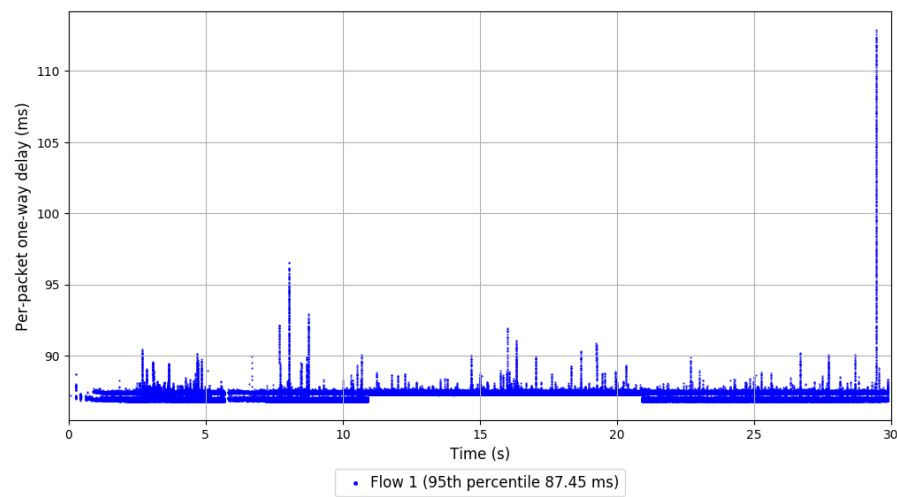
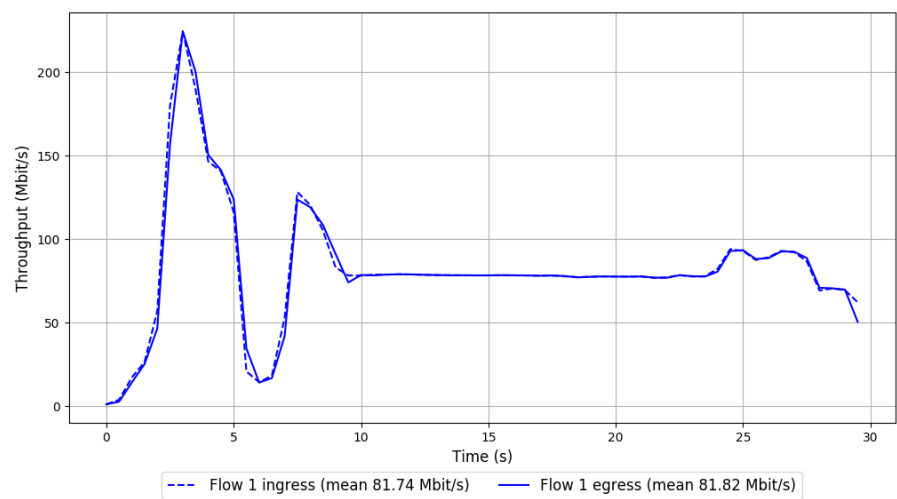
-- Flow 1:

Average throughput: 81.82 Mbit/s

95th percentile per-packet one-way delay: 87.454 ms

Loss rate: 0.48%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-17 06:07:47

End at: 2018-04-17 06:08:17

Below is generated by plot.py at 2018-04-17 10:48:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.52 Mbit/s

95th percentile per-packet one-way delay: 88.275 ms

Loss rate: 0.59%

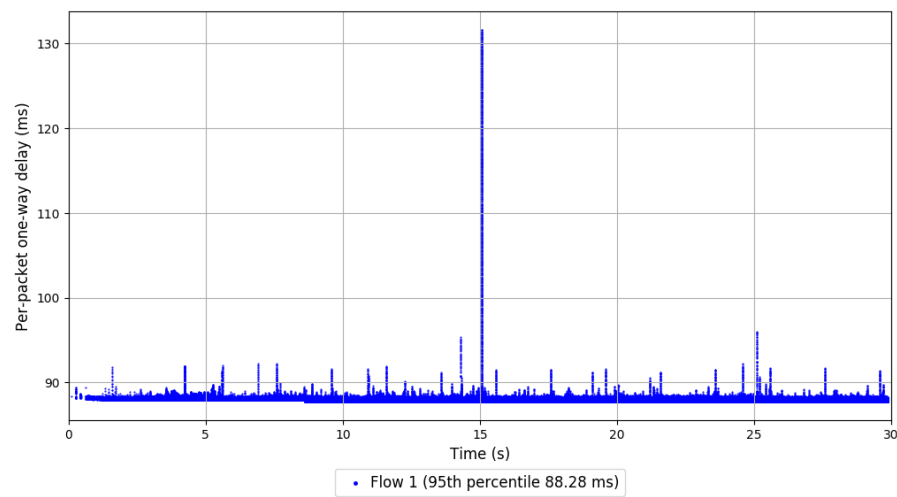
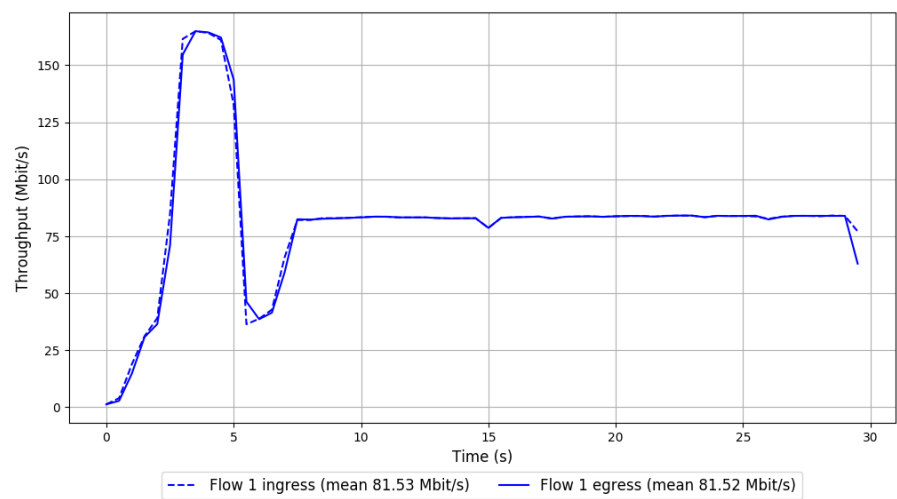
-- Flow 1:

Average throughput: 81.52 Mbit/s

95th percentile per-packet one-way delay: 88.275 ms

Loss rate: 0.59%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-17 06:21:29

End at: 2018-04-17 06:21:59

Below is generated by plot.py at 2018-04-17 10:48:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.44 Mbit/s

95th percentile per-packet one-way delay: 88.384 ms

Loss rate: 0.52%

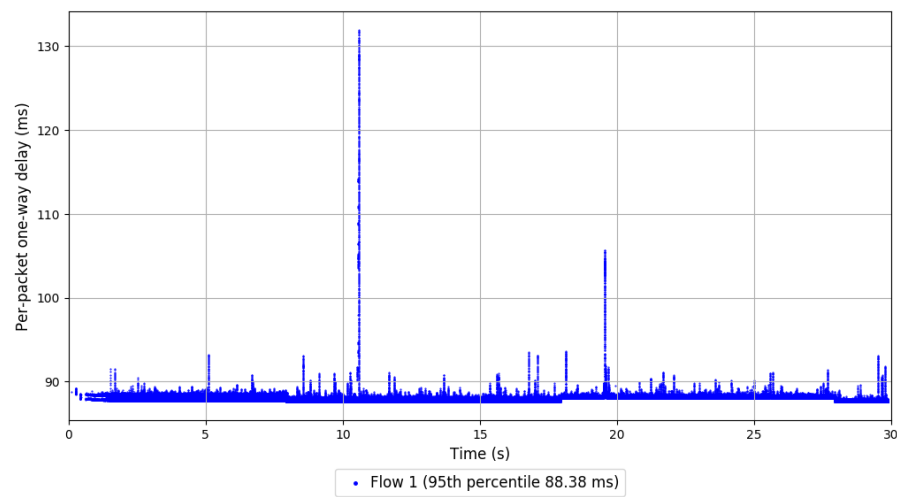
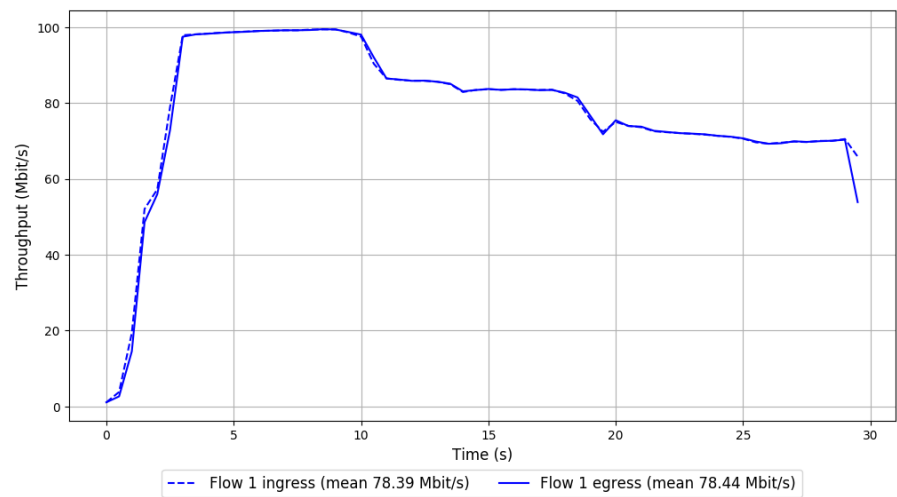
-- Flow 1:

Average throughput: 78.44 Mbit/s

95th percentile per-packet one-way delay: 88.384 ms

Loss rate: 0.52%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-17 06:35:16

End at: 2018-04-17 06:35:46

Below is generated by plot.py at 2018-04-17 10:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.26 Mbit/s

95th percentile per-packet one-way delay: 89.271 ms

Loss rate: 0.40%

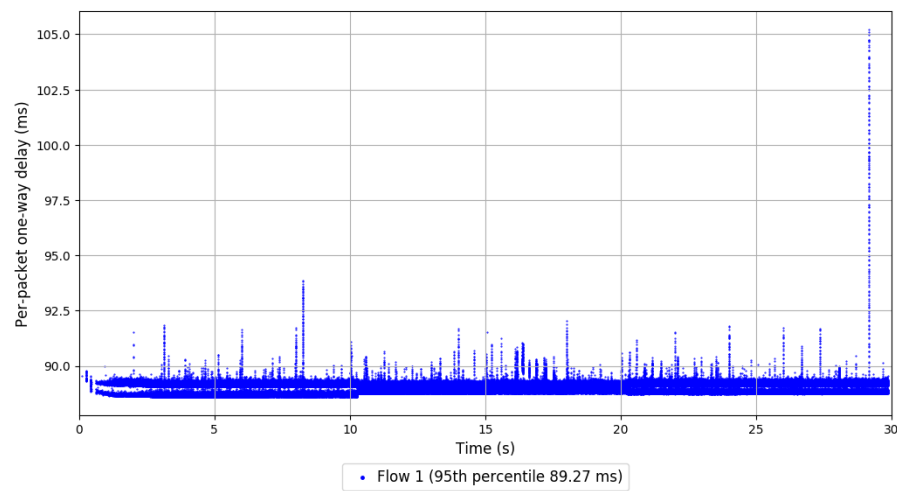
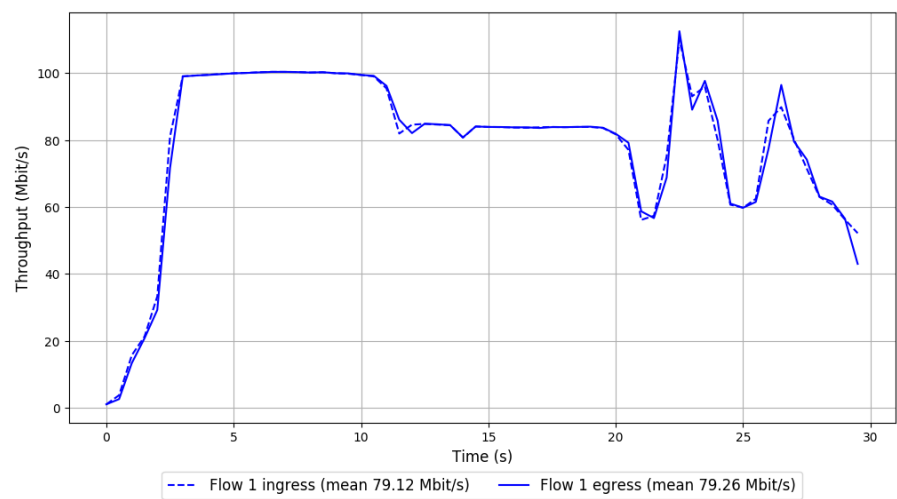
-- Flow 1:

Average throughput: 79.26 Mbit/s

95th percentile per-packet one-way delay: 89.271 ms

Loss rate: 0.40%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-17 06:49:01

End at: 2018-04-17 06:49:31

Below is generated by plot.py at 2018-04-17 10:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.11 Mbit/s

95th percentile per-packet one-way delay: 87.491 ms

Loss rate: 0.55%

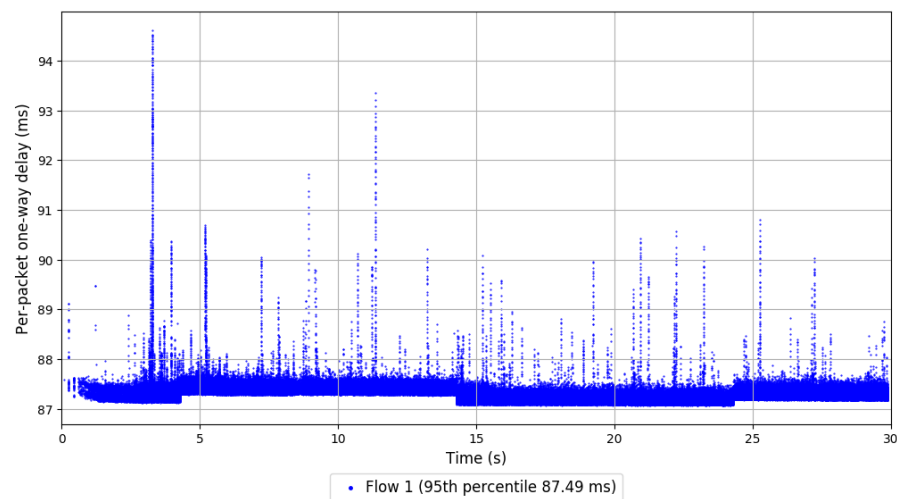
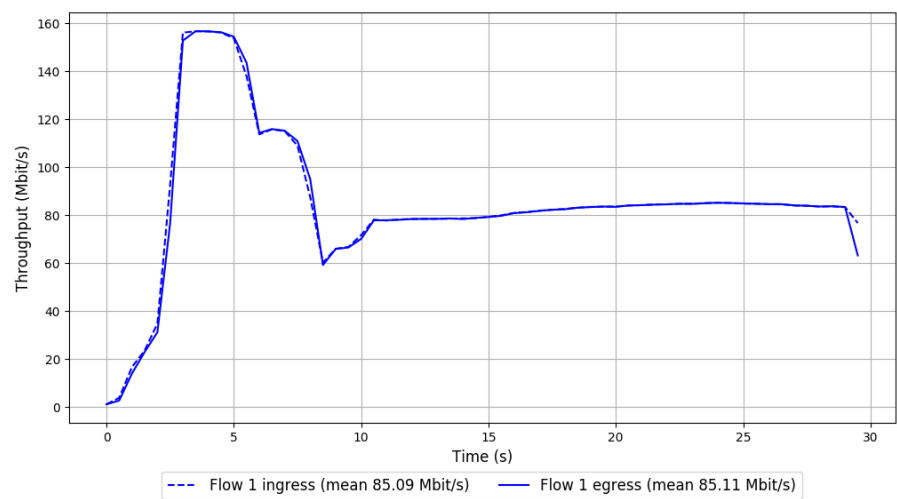
-- Flow 1:

Average throughput: 85.11 Mbit/s

95th percentile per-packet one-way delay: 87.491 ms

Loss rate: 0.55%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-17 07:02:45

End at: 2018-04-17 07:03:15

Below is generated by plot.py at 2018-04-17 10:49:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.76 Mbit/s

95th percentile per-packet one-way delay: 87.545 ms

Loss rate: 0.43%

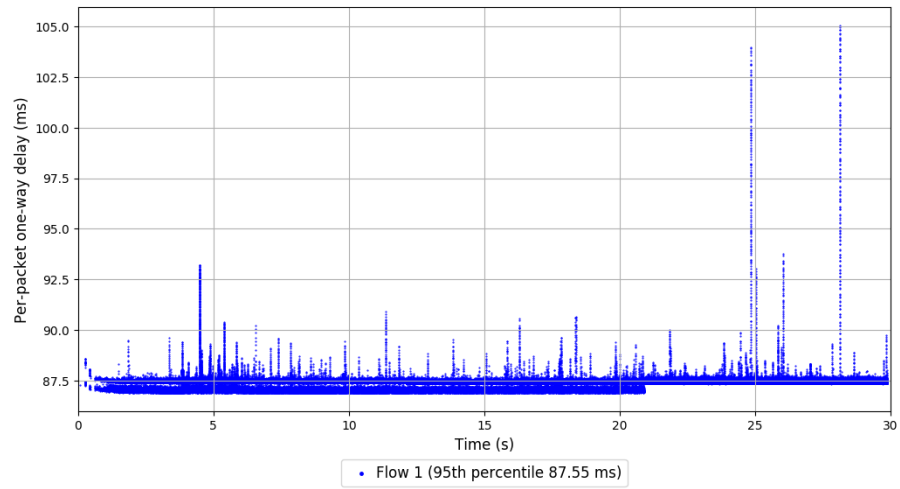
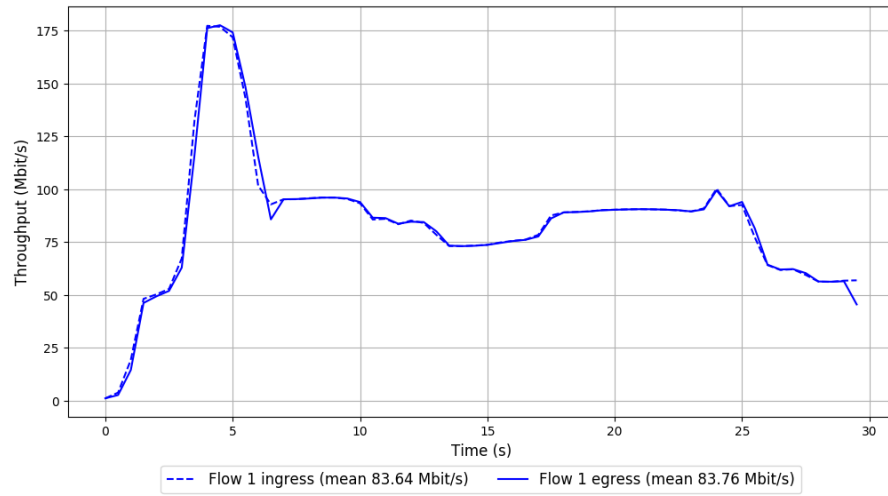
-- Flow 1:

Average throughput: 83.76 Mbit/s

95th percentile per-packet one-way delay: 87.545 ms

Loss rate: 0.43%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-17 07:16:47

End at: 2018-04-17 07:17:17

Below is generated by plot.py at 2018-04-17 10:50:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 87.518 ms

Loss rate: 0.56%

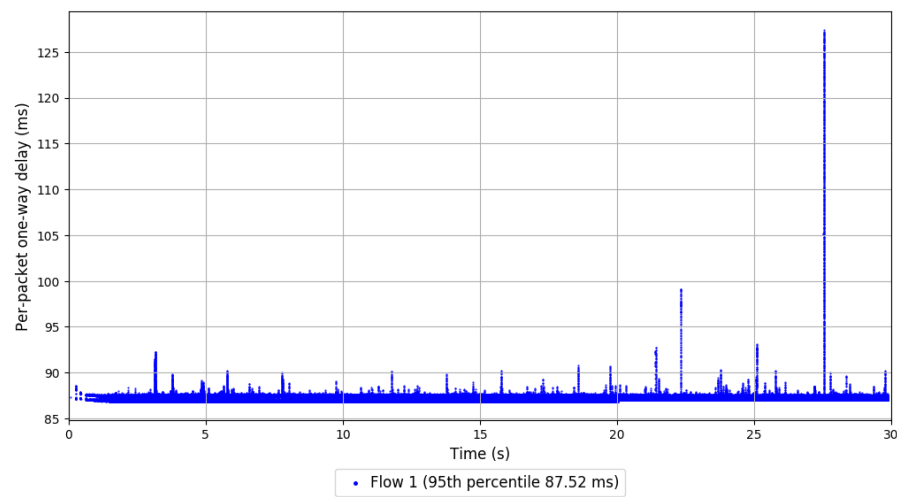
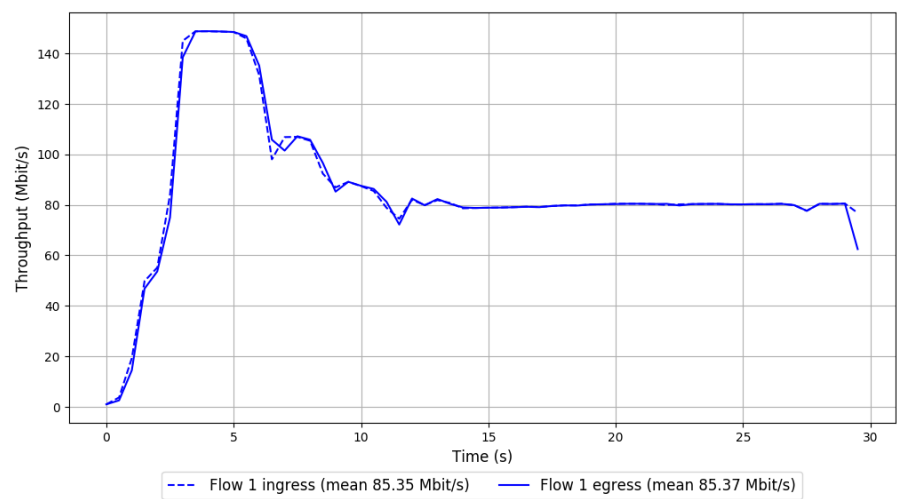
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 87.518 ms

Loss rate: 0.56%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-17 07:30:26

End at: 2018-04-17 07:30:56

Below is generated by plot.py at 2018-04-17 10:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.36 Mbit/s

95th percentile per-packet one-way delay: 87.070 ms

Loss rate: 0.65%

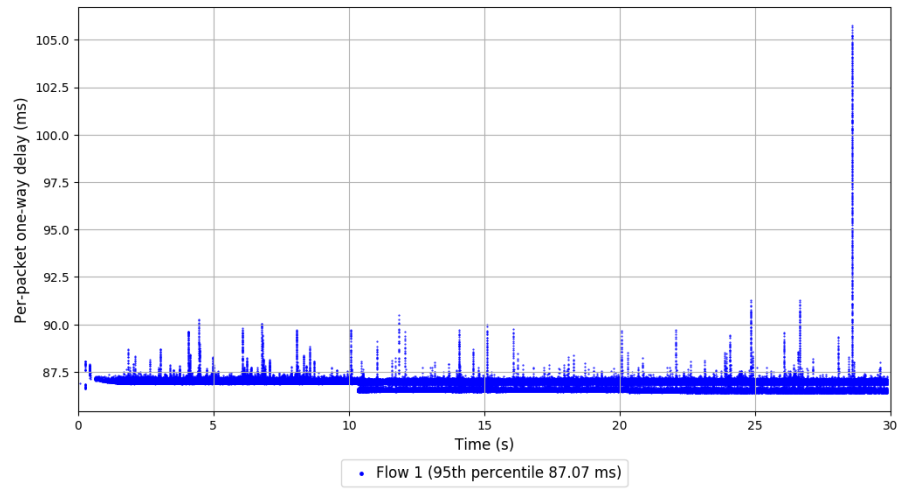
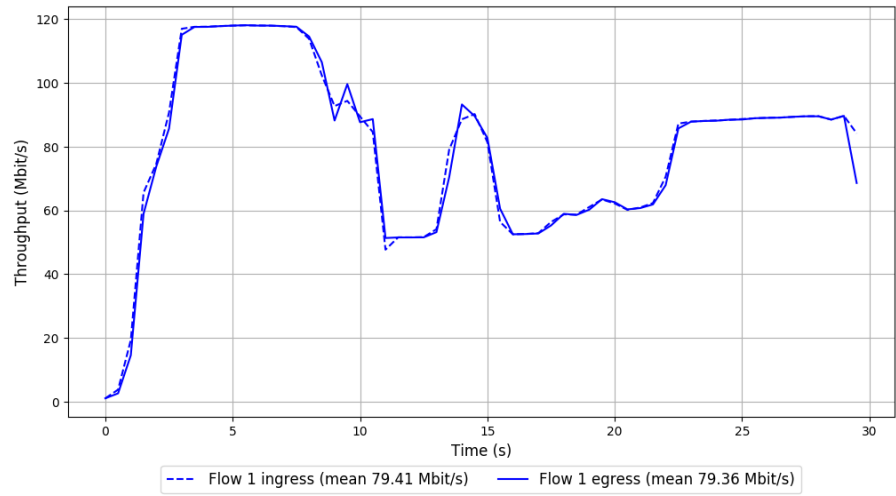
-- Flow 1:

Average throughput: 79.36 Mbit/s

95th percentile per-packet one-way delay: 87.070 ms

Loss rate: 0.65%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 07:44:08

End at: 2018-04-17 07:44:38

Below is generated by plot.py at 2018-04-17 10:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.99 Mbit/s

95th percentile per-packet one-way delay: 87.200 ms

Loss rate: 0.43%

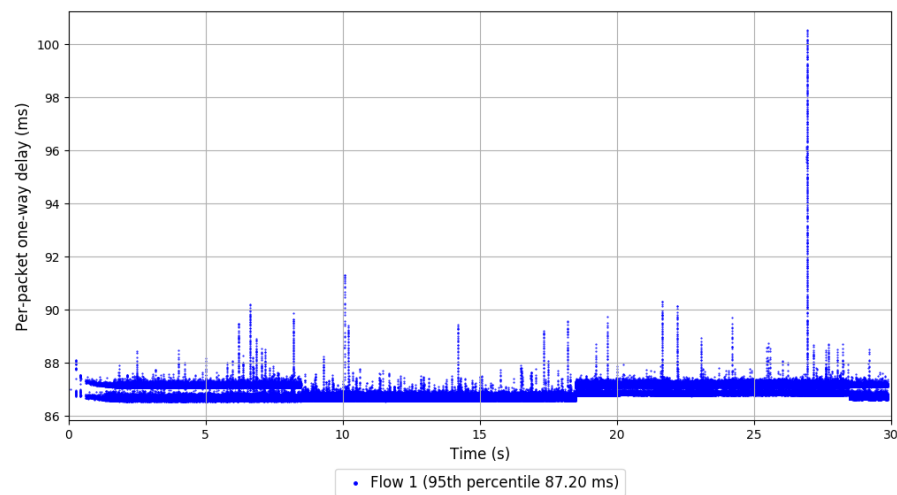
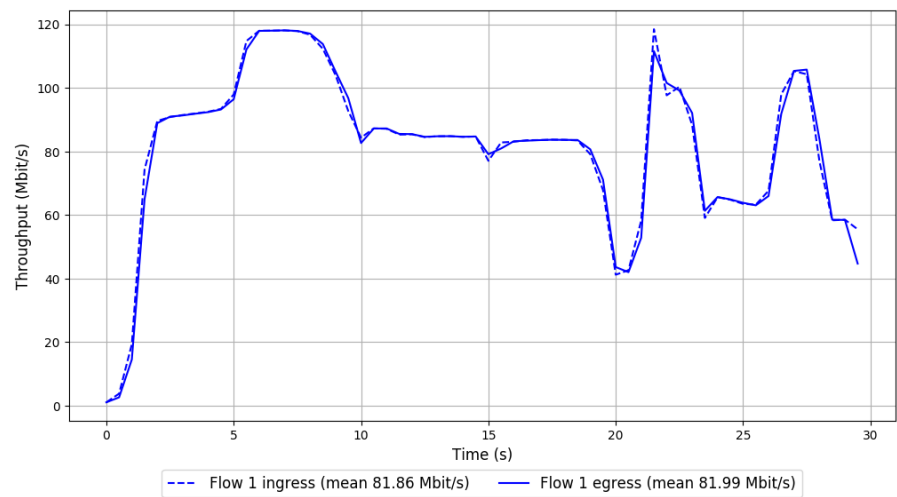
-- Flow 1:

Average throughput: 81.99 Mbit/s

95th percentile per-packet one-way delay: 87.200 ms

Loss rate: 0.43%

Run 10: Report of Copa — Data Link

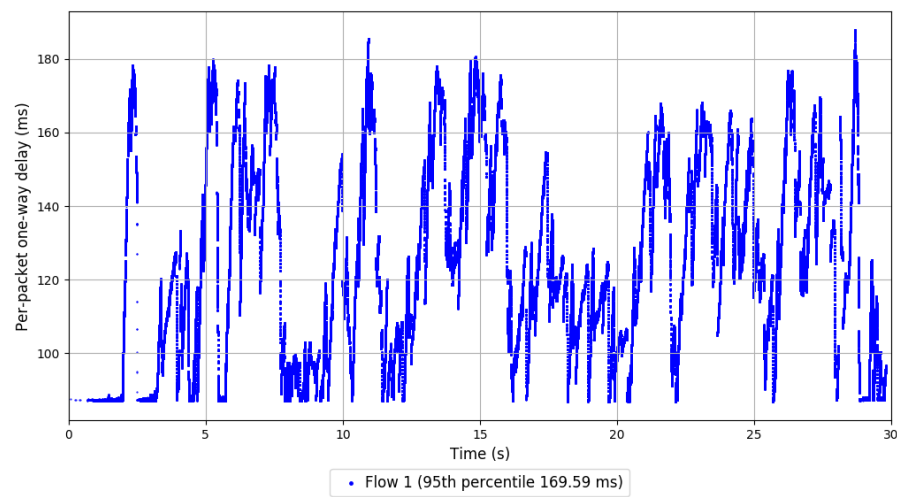
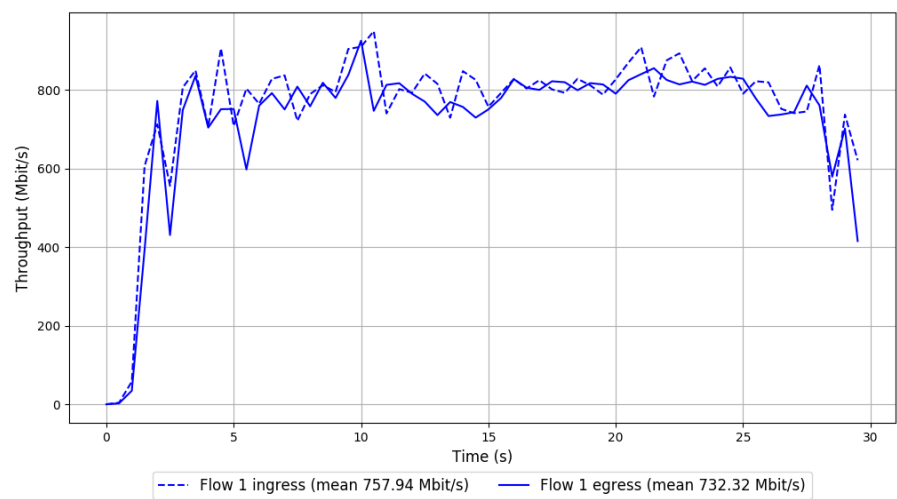


```
Run 1: Statistics of FillP

Start at: 2018-04-17 05:34:48
End at: 2018-04-17 05:35:18

# Below is generated by plot.py at 2018-04-17 11:02:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 732.32 Mbit/s
95th percentile per-packet one-way delay: 169.590 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 732.32 Mbit/s
95th percentile per-packet one-way delay: 169.590 ms
Loss rate: 3.94%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-17 05:48:42

End at: 2018-04-17 05:49:12

Below is generated by plot.py at 2018-04-17 11:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 752.26 Mbit/s

95th percentile per-packet one-way delay: 172.622 ms

Loss rate: 4.77%

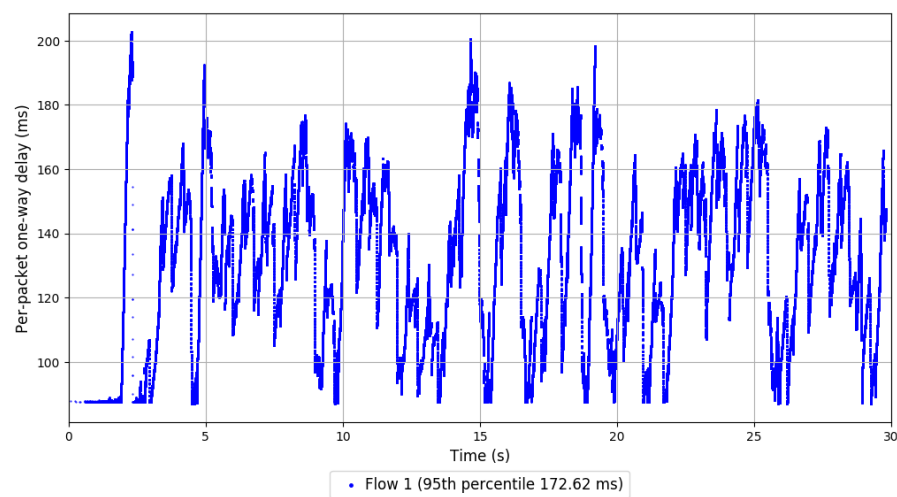
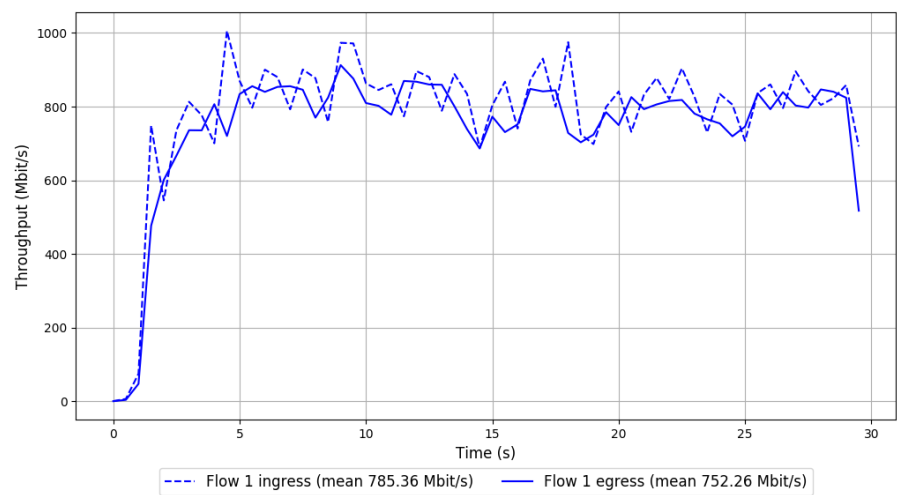
-- Flow 1:

Average throughput: 752.26 Mbit/s

95th percentile per-packet one-way delay: 172.622 ms

Loss rate: 4.77%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-17 06:02:26

End at: 2018-04-17 06:02:56

Below is generated by plot.py at 2018-04-17 11:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 741.95 Mbit/s

95th percentile per-packet one-way delay: 171.615 ms

Loss rate: 2.93%

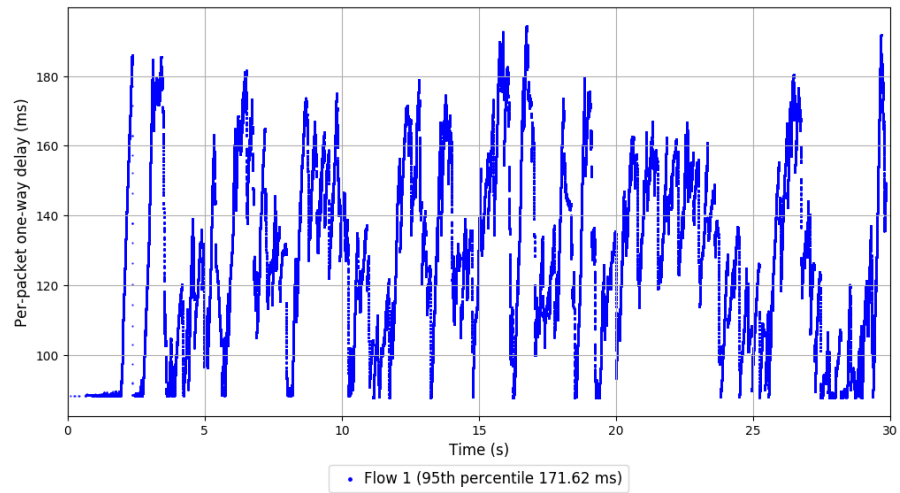
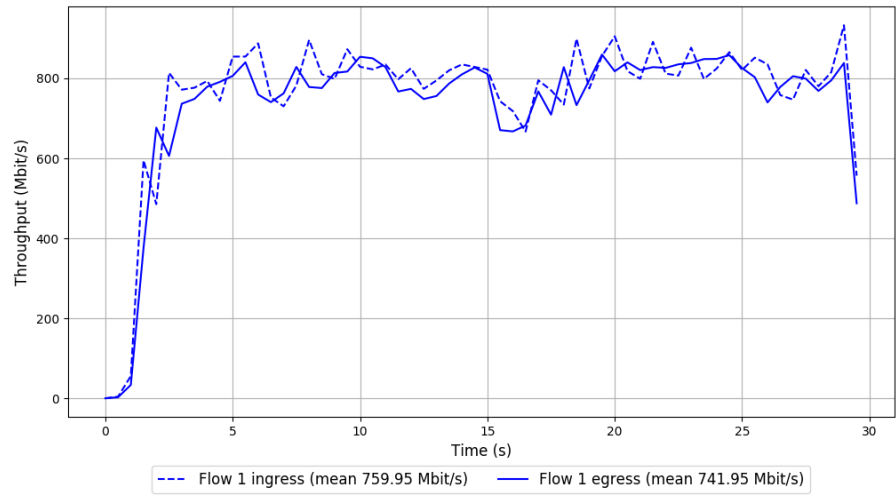
-- Flow 1:

Average throughput: 741.95 Mbit/s

95th percentile per-packet one-way delay: 171.615 ms

Loss rate: 2.93%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-17 06:16:07

End at: 2018-04-17 06:16:37

Below is generated by plot.py at 2018-04-17 11:03:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 756.24 Mbit/s

95th percentile per-packet one-way delay: 169.612 ms

Loss rate: 5.57%

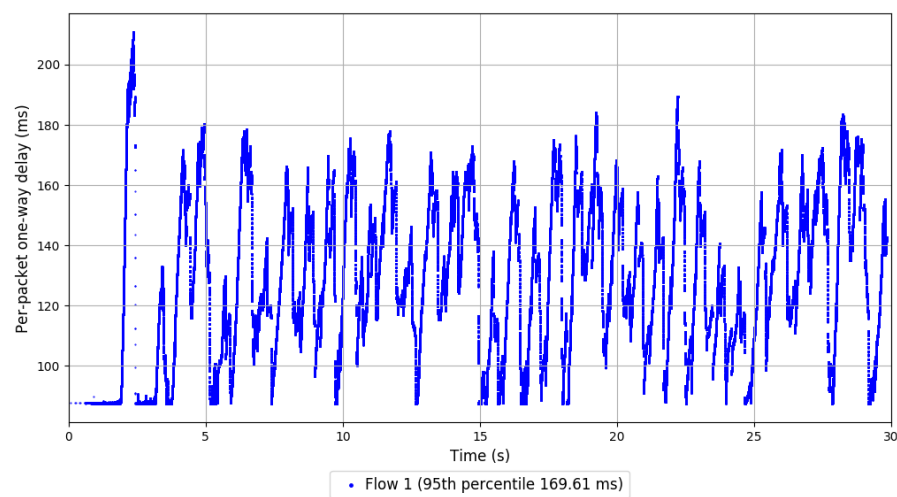
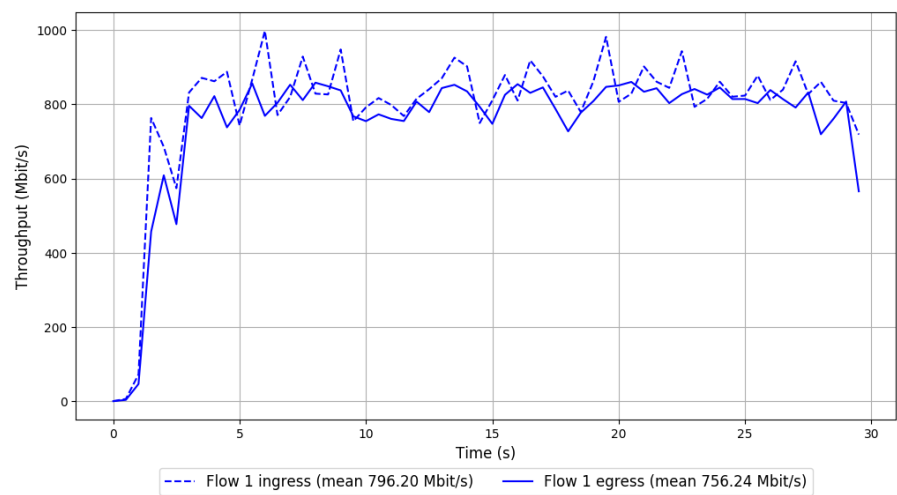
-- Flow 1:

Average throughput: 756.24 Mbit/s

95th percentile per-packet one-way delay: 169.612 ms

Loss rate: 5.57%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-17 06:29:56

End at: 2018-04-17 06:30:26

Below is generated by plot.py at 2018-04-17 11:03:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 759.79 Mbit/s

95th percentile per-packet one-way delay: 171.234 ms

Loss rate: 4.88%

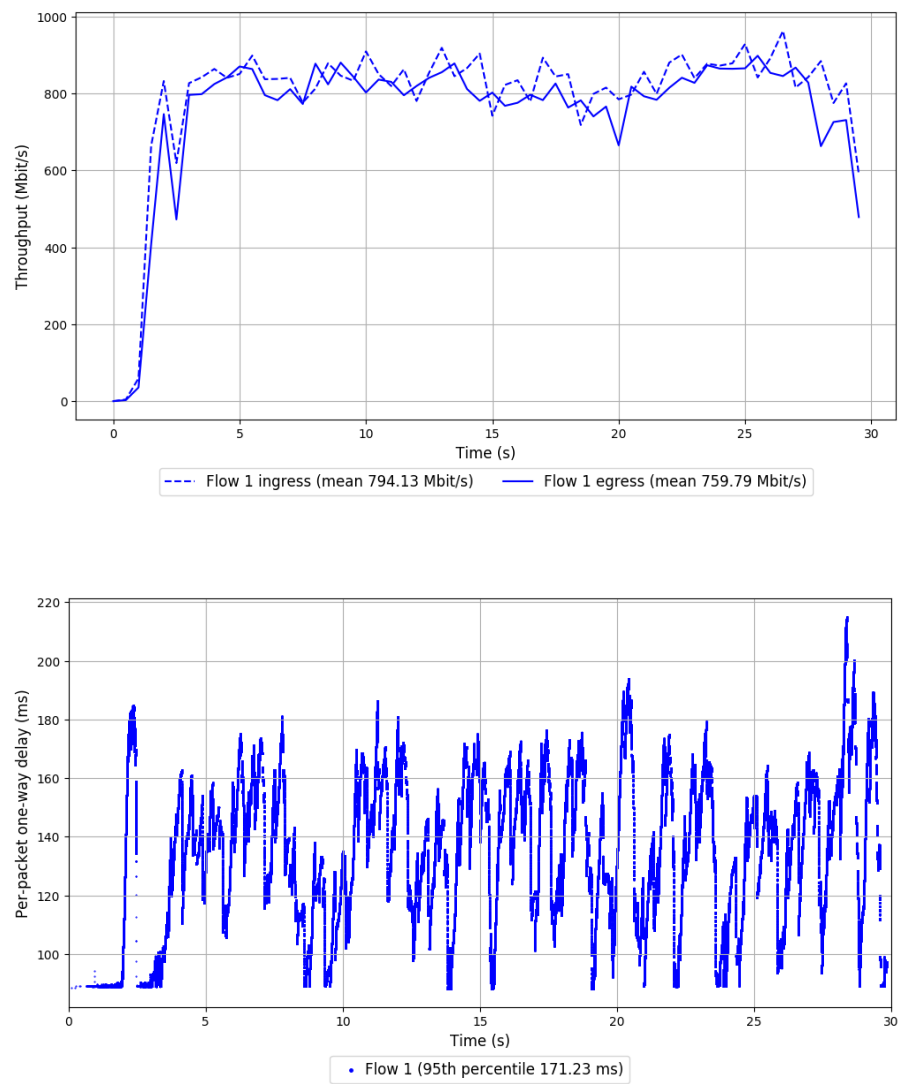
-- Flow 1:

Average throughput: 759.79 Mbit/s

95th percentile per-packet one-way delay: 171.234 ms

Loss rate: 4.88%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-17 06:43:36

End at: 2018-04-17 06:44:06

Below is generated by plot.py at 2018-04-17 11:03:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.96 Mbit/s

95th percentile per-packet one-way delay: 170.179 ms

Loss rate: 5.42%

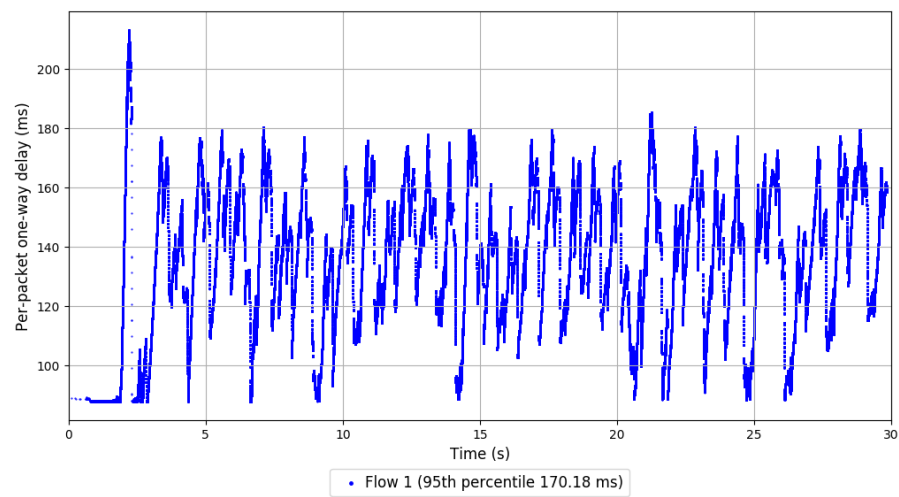
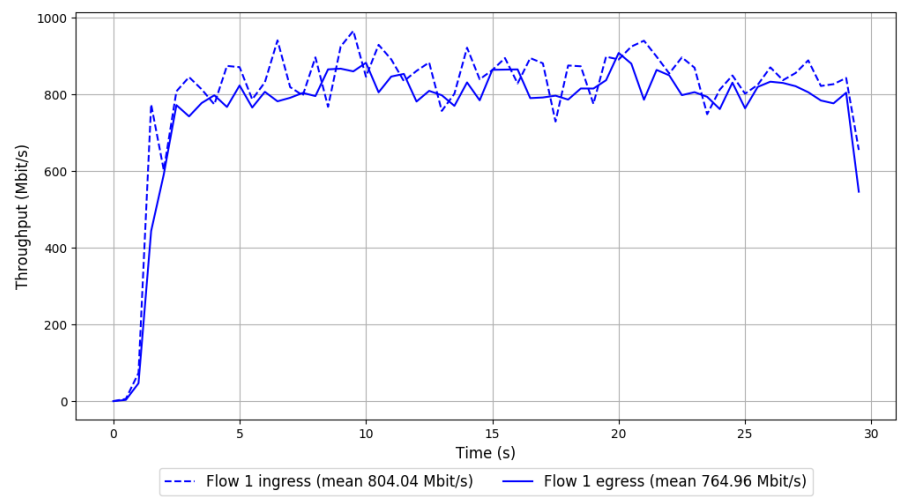
-- Flow 1:

Average throughput: 764.96 Mbit/s

95th percentile per-packet one-way delay: 170.179 ms

Loss rate: 5.42%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-17 06:57:23

End at: 2018-04-17 06:57:53

Below is generated by plot.py at 2018-04-17 11:04:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 774.48 Mbit/s

95th percentile per-packet one-way delay: 169.587 ms

Loss rate: 5.47%

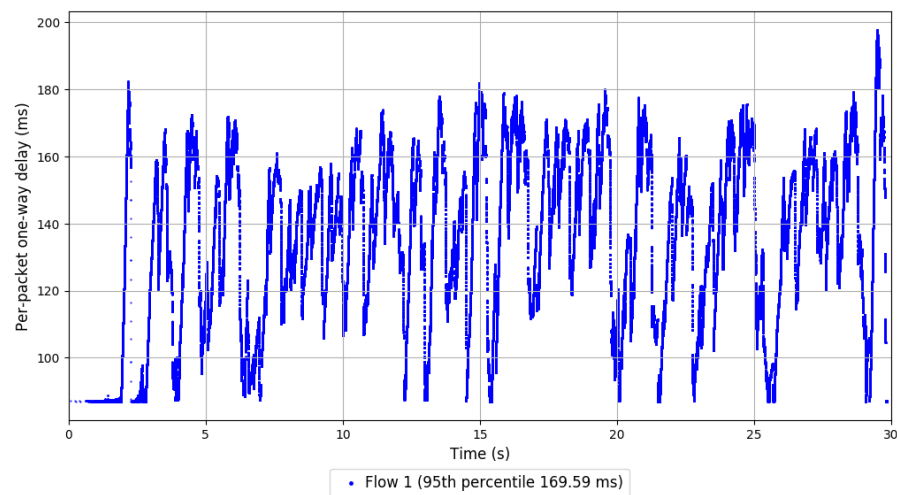
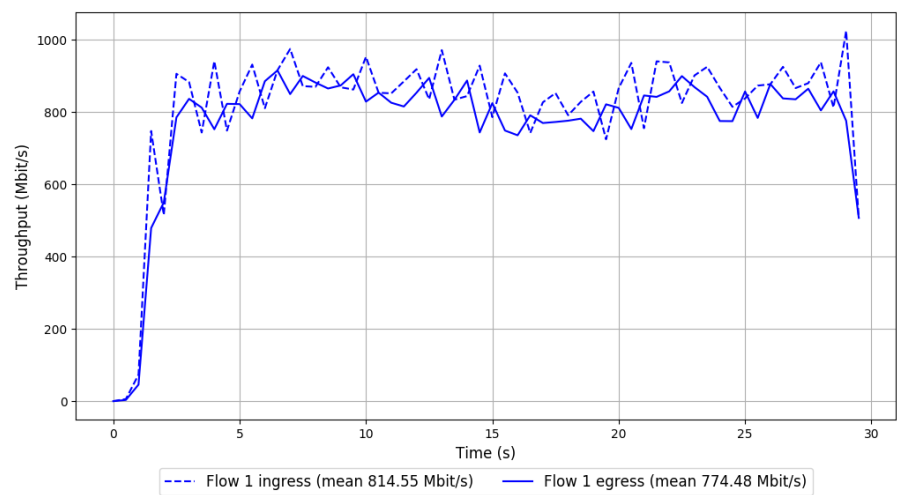
-- Flow 1:

Average throughput: 774.48 Mbit/s

95th percentile per-packet one-way delay: 169.587 ms

Loss rate: 5.47%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-17 07:11:21

End at: 2018-04-17 07:11:52

Below is generated by plot.py at 2018-04-17 11:04:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 733.88 Mbit/s

95th percentile per-packet one-way delay: 172.561 ms

Loss rate: 5.08%

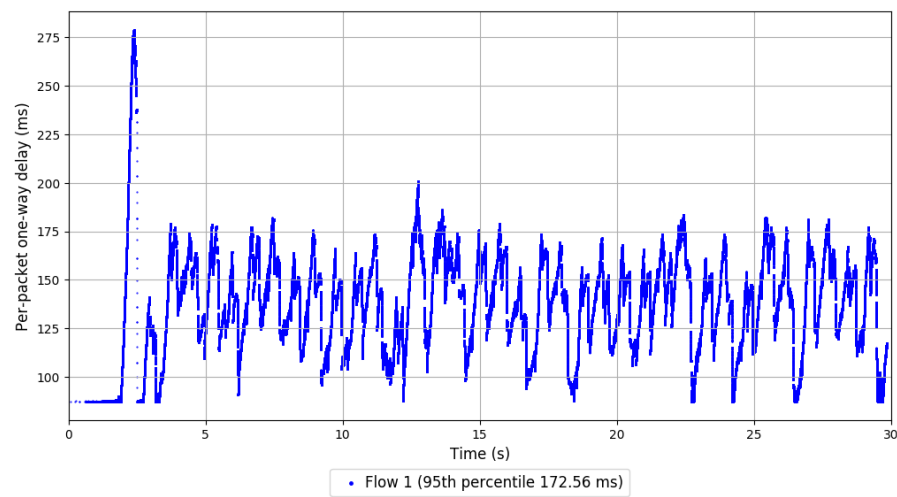
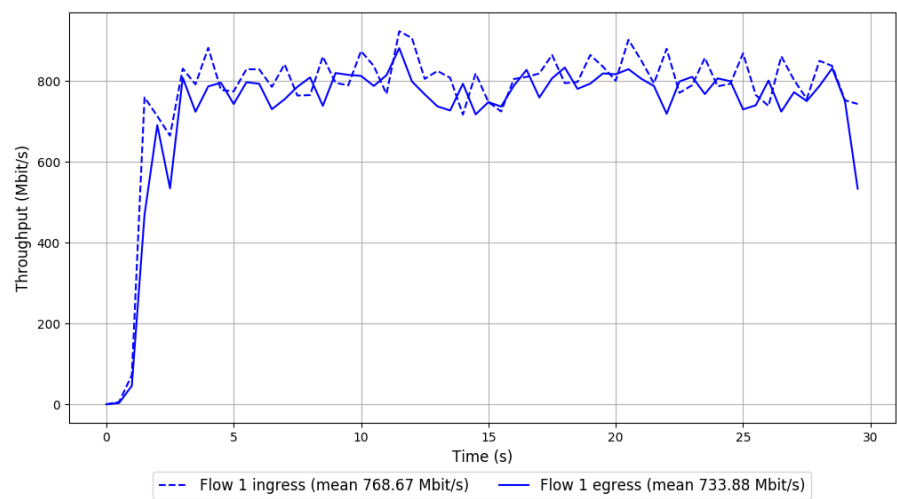
-- Flow 1:

Average throughput: 733.88 Mbit/s

95th percentile per-packet one-way delay: 172.561 ms

Loss rate: 5.08%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 07:25:07

End at: 2018-04-17 07:25:37

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 758.02 Mbit/s

95th percentile per-packet one-way delay: 168.936 ms

Loss rate: 4.52%

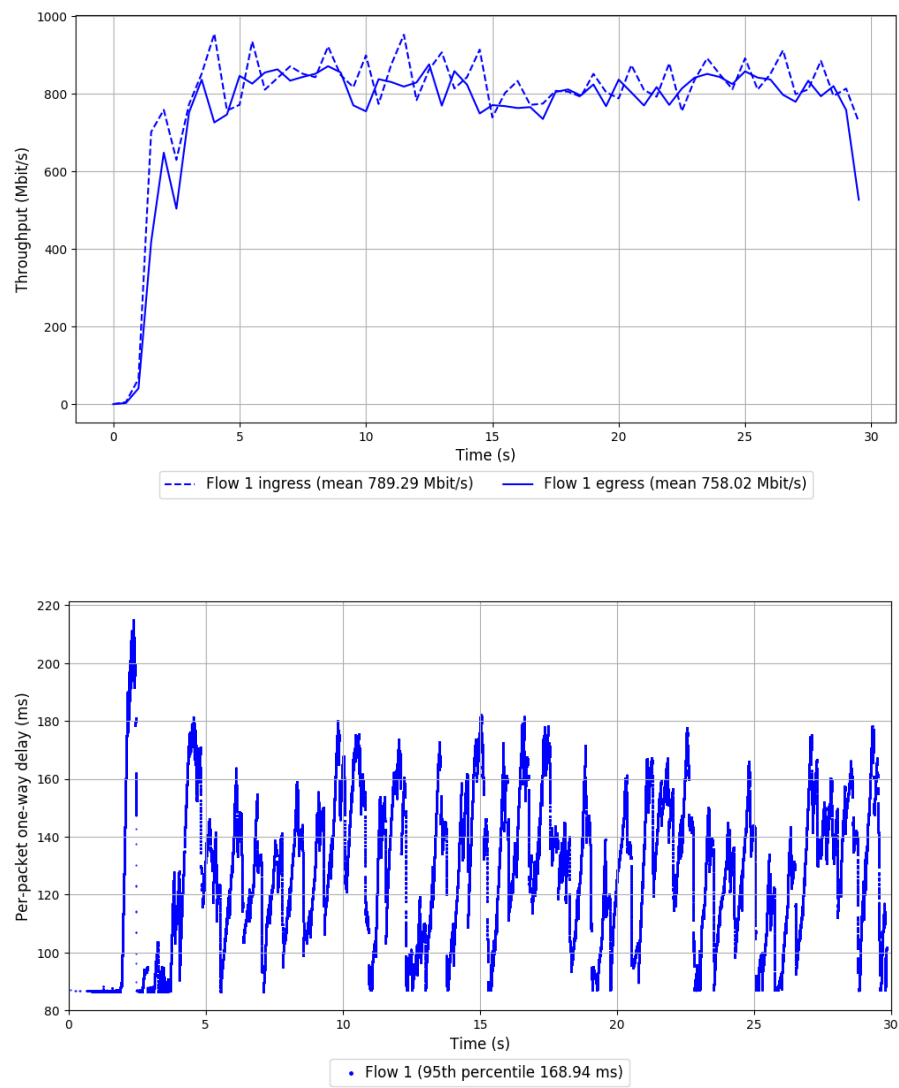
-- Flow 1:

Average throughput: 758.02 Mbit/s

95th percentile per-packet one-way delay: 168.936 ms

Loss rate: 4.52%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-17 07:38:46

End at: 2018-04-17 07:39:16

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 693.16 Mbit/s

95th percentile per-packet one-way delay: 179.049 ms

Loss rate: 6.01%

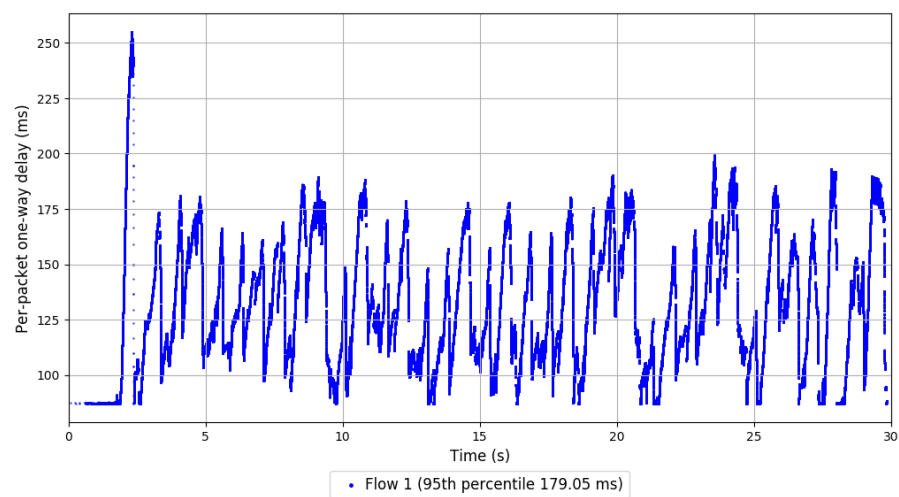
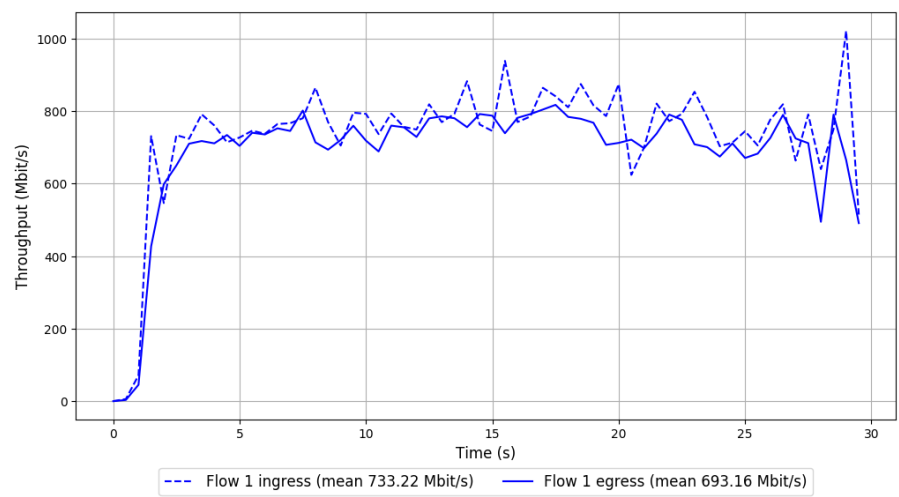
-- Flow 1:

Average throughput: 693.16 Mbit/s

95th percentile per-packet one-way delay: 179.049 ms

Loss rate: 6.01%

Run 10: Report of FillP — Data Link

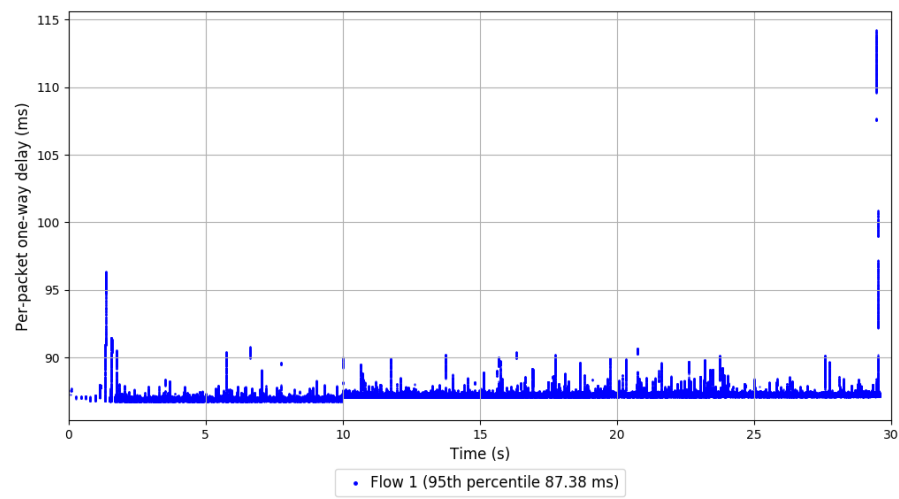
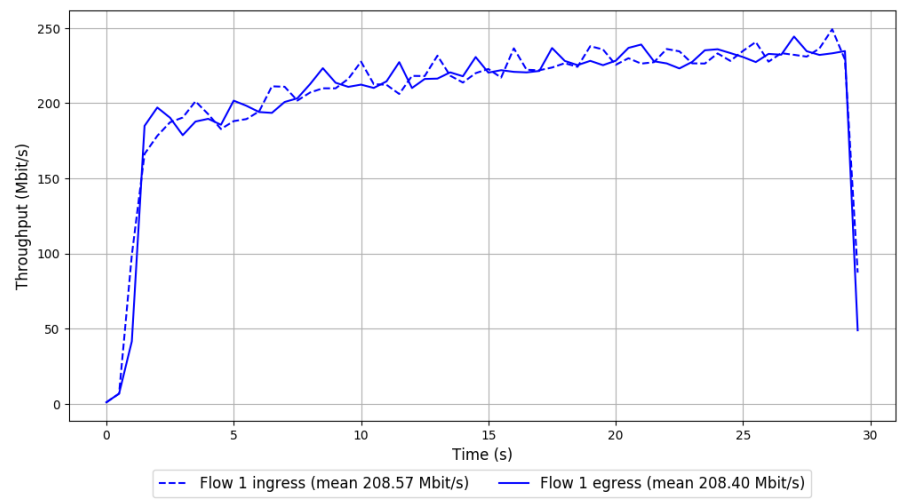


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 05:44:26
End at: 2018-04-17 05:44:56

# Below is generated by plot.py at 2018-04-17 11:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.40 Mbit/s
95th percentile per-packet one-way delay: 87.376 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 208.40 Mbit/s
95th percentile per-packet one-way delay: 87.376 ms
Loss rate: 0.67%
```

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

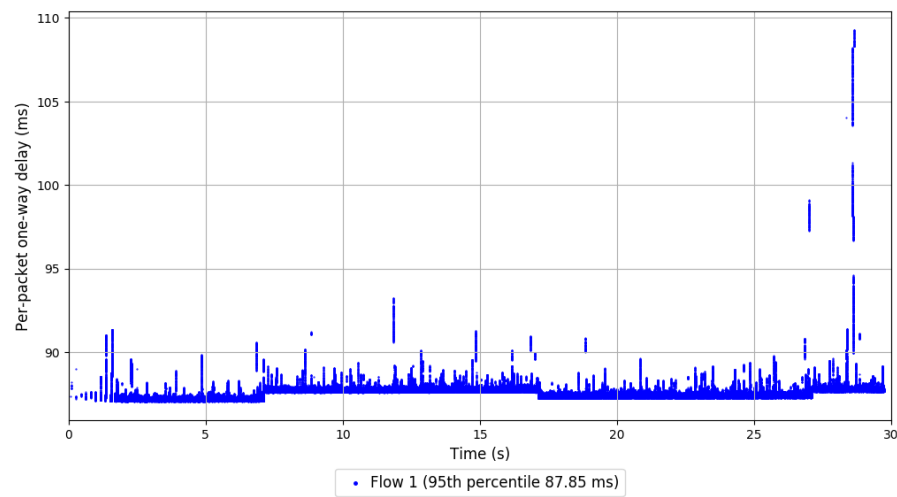
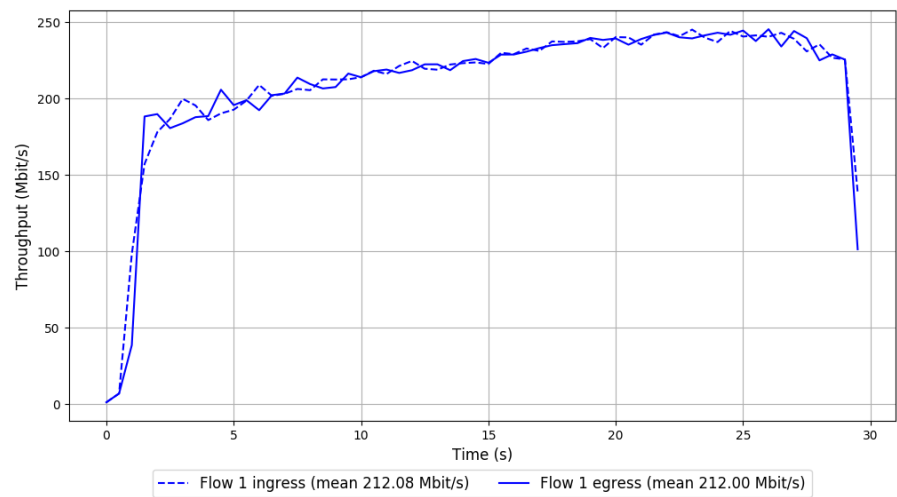


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 05:58:09
End at: 2018-04-17 05:58:39

# Below is generated by plot.py at 2018-04-17 11:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.00 Mbit/s
95th percentile per-packet one-way delay: 87.849 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 212.00 Mbit/s
95th percentile per-packet one-way delay: 87.849 ms
Loss rate: 0.62%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 06:11:52

End at: 2018-04-17 06:12:22

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.54 Mbit/s

95th percentile per-packet one-way delay: 88.242 ms

Loss rate: 0.61%

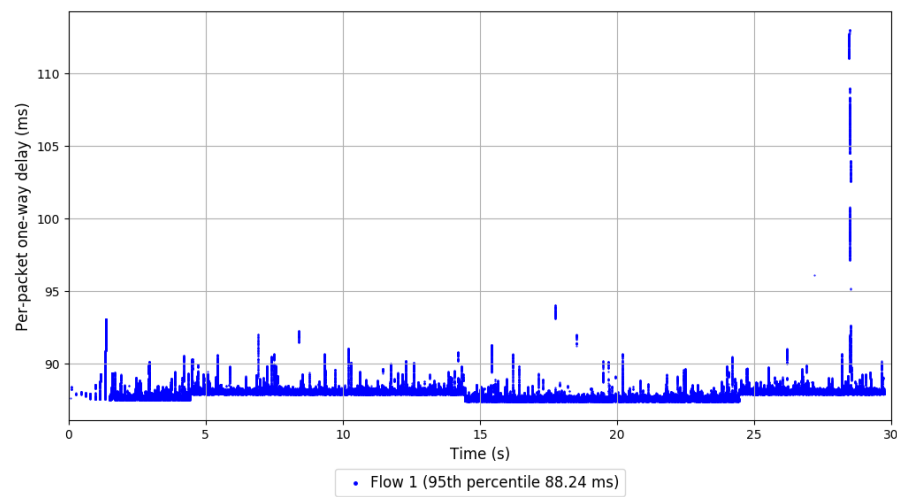
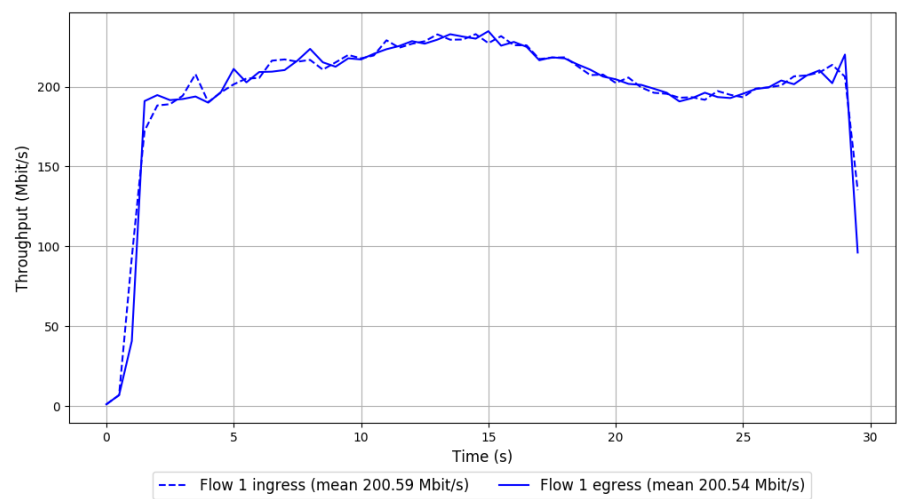
-- Flow 1:

Average throughput: 200.54 Mbit/s

95th percentile per-packet one-way delay: 88.242 ms

Loss rate: 0.61%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 06:25:40

End at: 2018-04-17 06:26:10

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.44 Mbit/s

95th percentile per-packet one-way delay: 88.624 ms

Loss rate: 0.65%

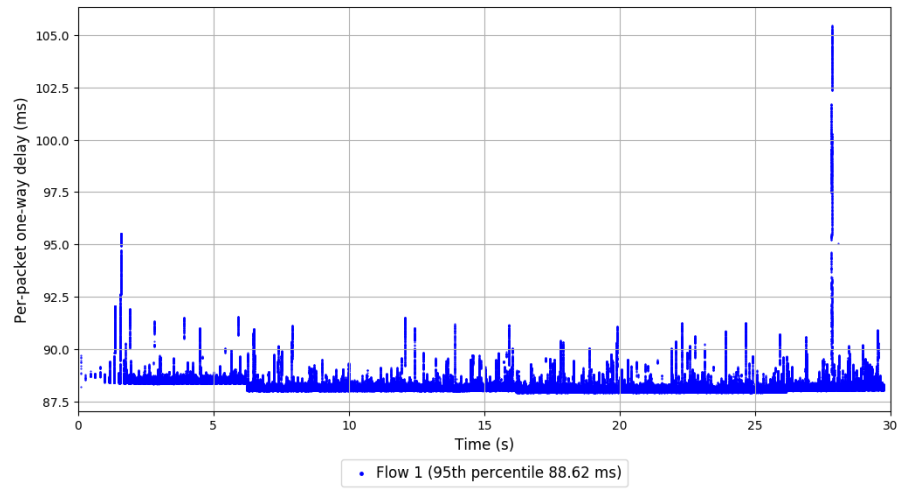
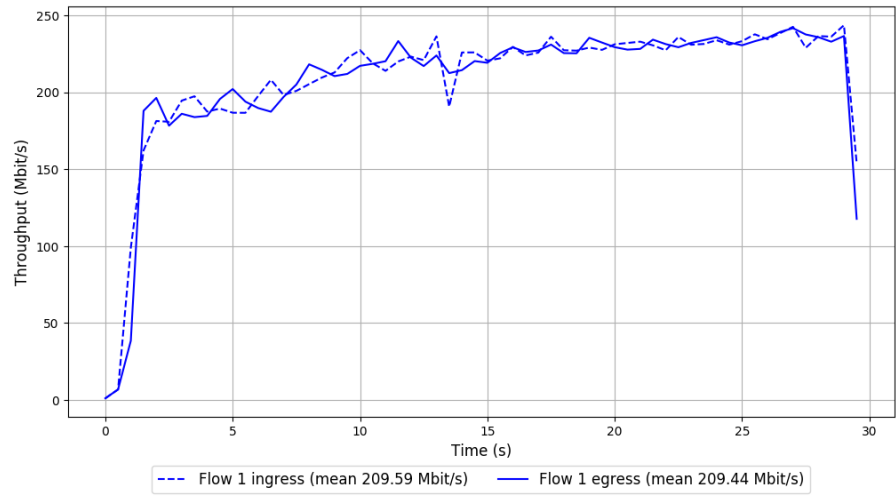
-- Flow 1:

Average throughput: 209.44 Mbit/s

95th percentile per-packet one-way delay: 88.624 ms

Loss rate: 0.65%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 06:39:20

End at: 2018-04-17 06:39:50

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.23 Mbit/s

95th percentile per-packet one-way delay: 89.844 ms

Loss rate: 0.66%

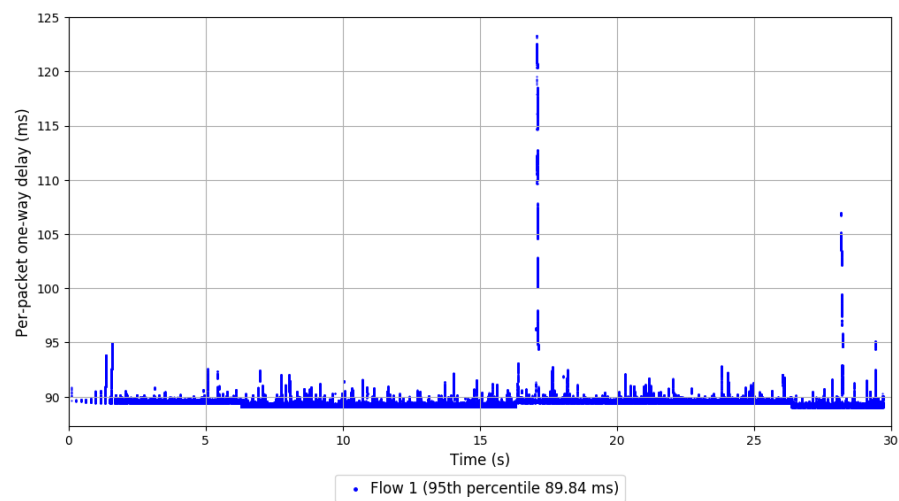
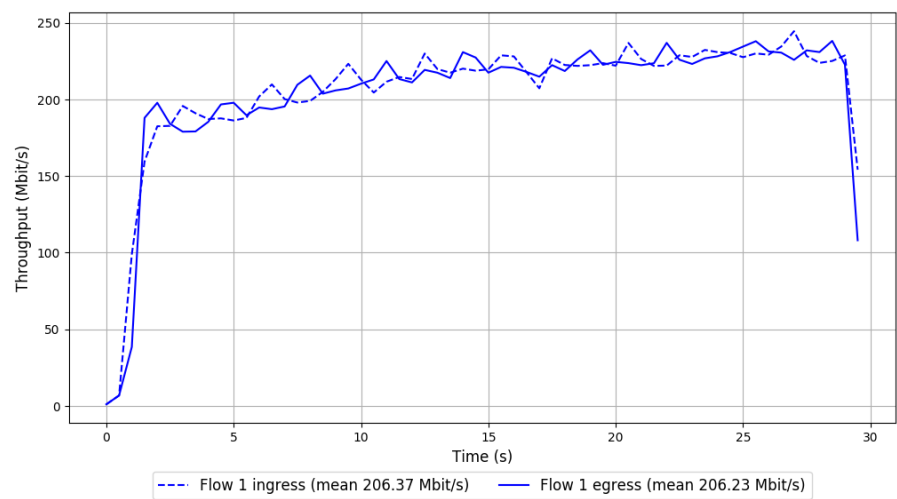
-- Flow 1:

Average throughput: 206.23 Mbit/s

95th percentile per-packet one-way delay: 89.844 ms

Loss rate: 0.66%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 06:53:07

End at: 2018-04-17 06:53:37

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.48 Mbit/s

95th percentile per-packet one-way delay: 87.700 ms

Loss rate: 0.67%

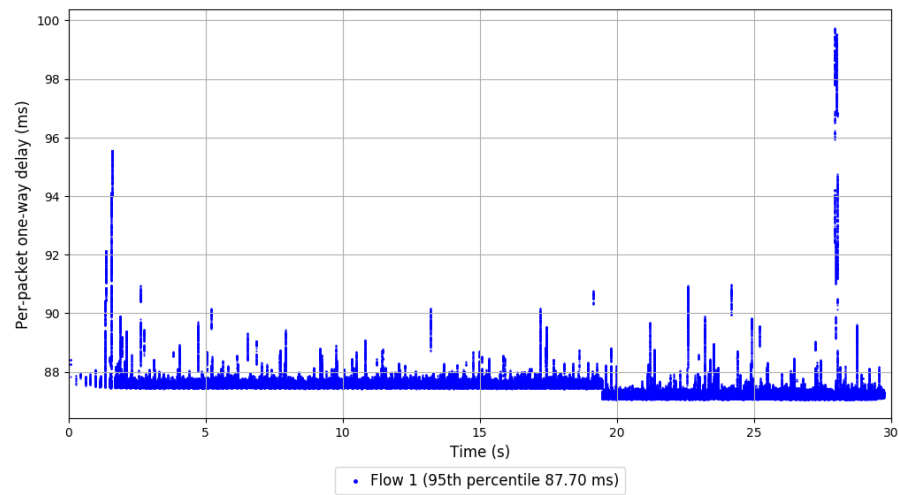
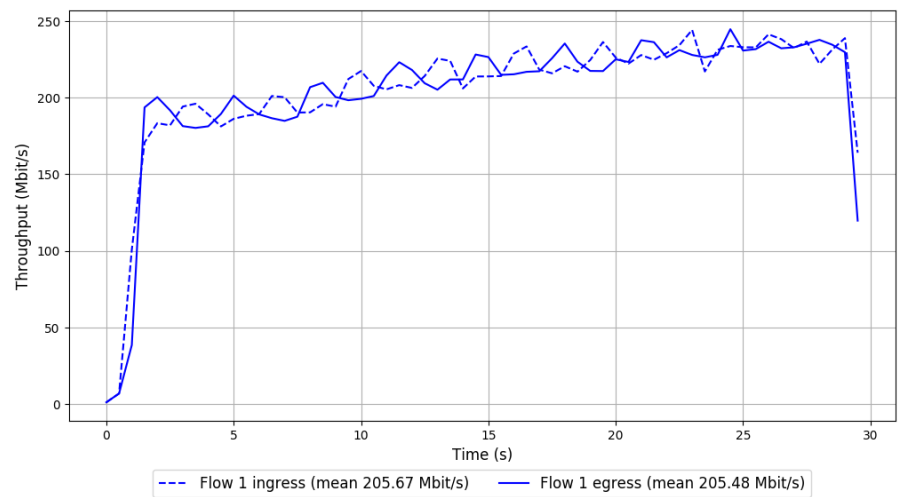
-- Flow 1:

Average throughput: 205.48 Mbit/s

95th percentile per-packet one-way delay: 87.700 ms

Loss rate: 0.67%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 07:07:05

End at: 2018-04-17 07:07:35

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.11 Mbit/s

95th percentile per-packet one-way delay: 88.014 ms

Loss rate: 0.67%

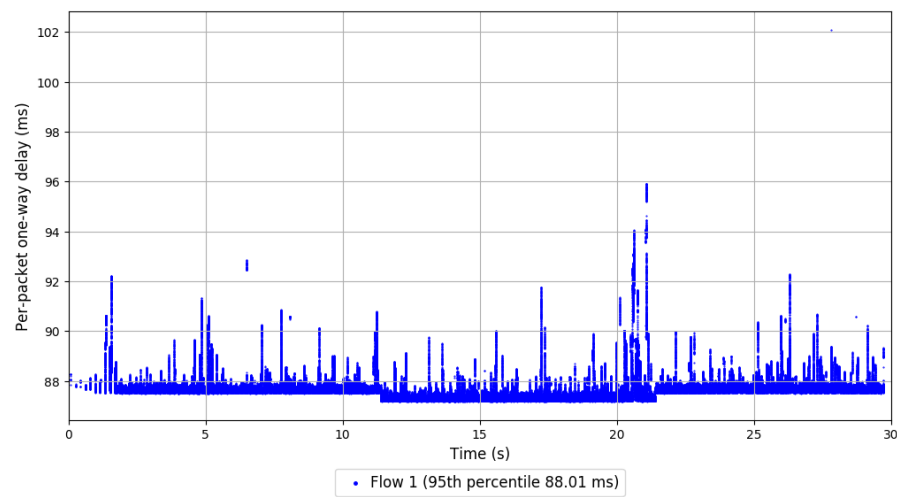
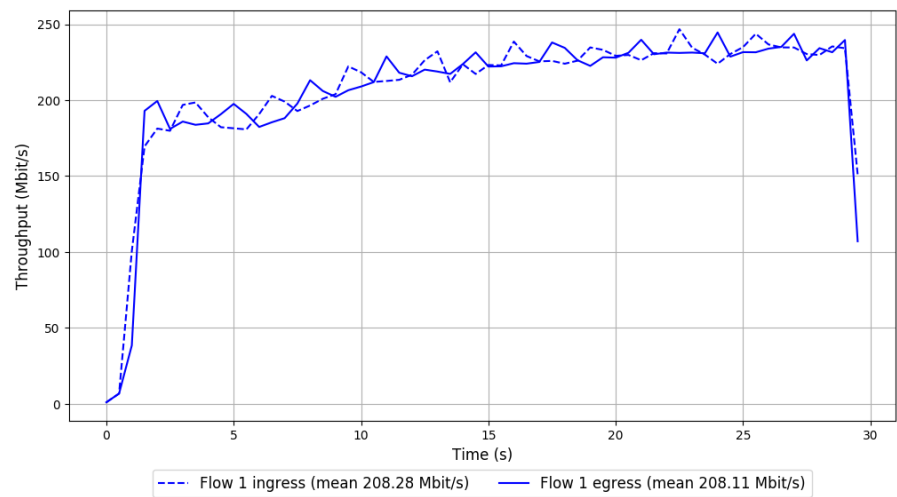
-- Flow 1:

Average throughput: 208.11 Mbit/s

95th percentile per-packet one-way delay: 88.014 ms

Loss rate: 0.67%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 07:20:52

End at: 2018-04-17 07:21:22

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.87 Mbit/s

95th percentile per-packet one-way delay: 87.443 ms

Loss rate: 0.62%

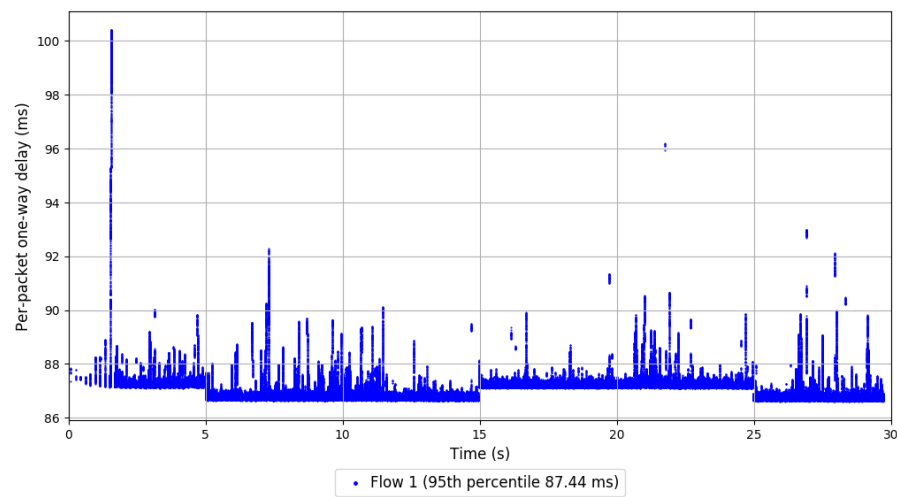
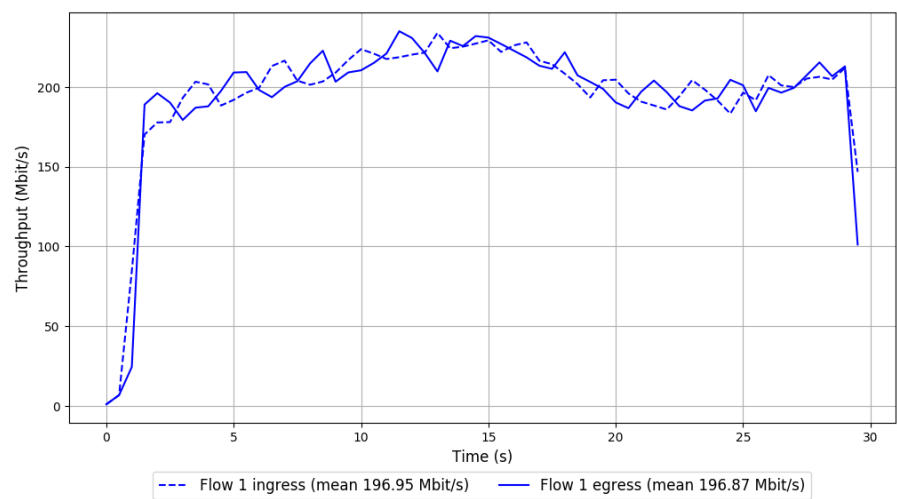
-- Flow 1:

Average throughput: 196.87 Mbit/s

95th percentile per-packet one-way delay: 87.443 ms

Loss rate: 0.62%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 07:34:30

End at: 2018-04-17 07:35:00

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.16 Mbit/s

95th percentile per-packet one-way delay: 87.166 ms

Loss rate: 0.66%

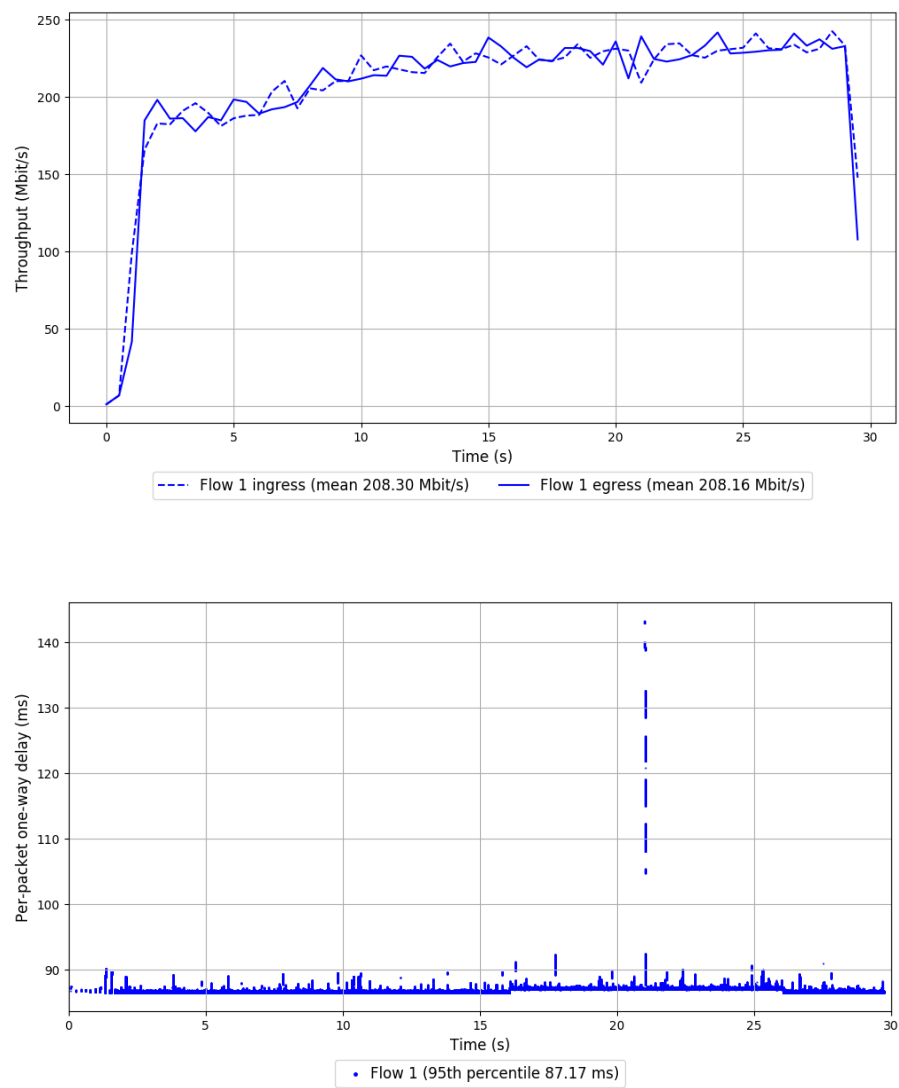
-- Flow 1:

Average throughput: 208.16 Mbit/s

95th percentile per-packet one-way delay: 87.166 ms

Loss rate: 0.66%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 07:48:17

End at: 2018-04-17 07:48:47

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.35 Mbit/s

95th percentile per-packet one-way delay: 87.393 ms

Loss rate: 0.65%

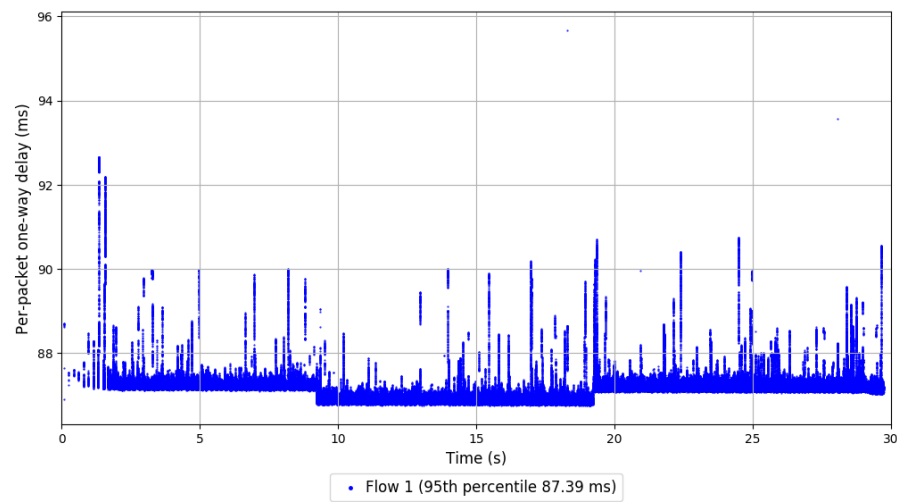
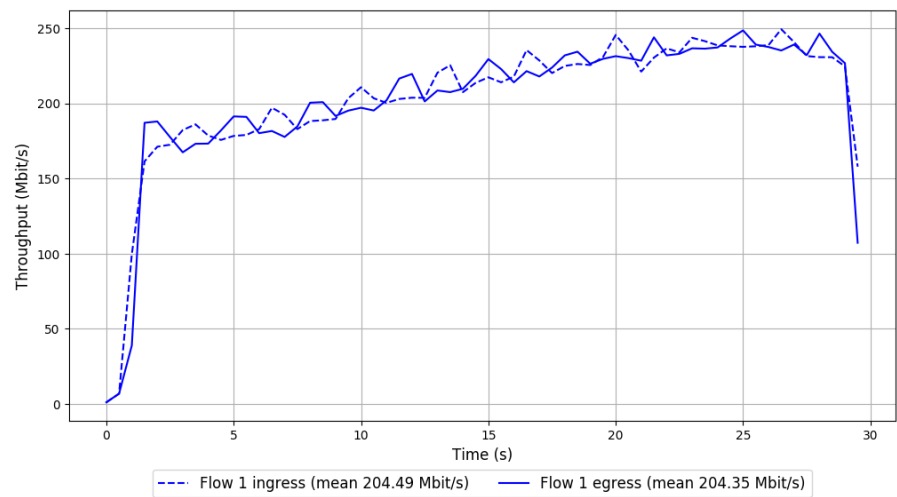
-- Flow 1:

Average throughput: 204.35 Mbit/s

95th percentile per-packet one-way delay: 87.393 ms

Loss rate: 0.65%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 05:36:33

End at: 2018-04-17 05:37:03

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.90 Mbit/s

95th percentile per-packet one-way delay: 93.053 ms

Loss rate: 0.77%

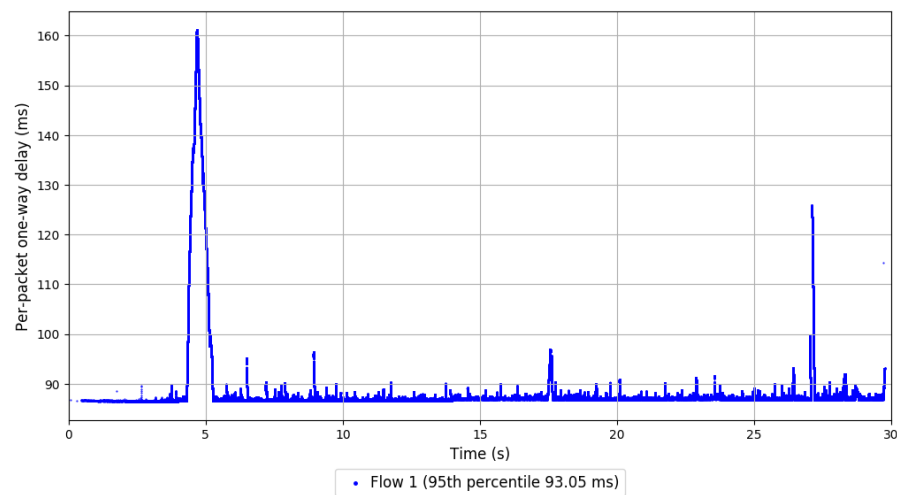
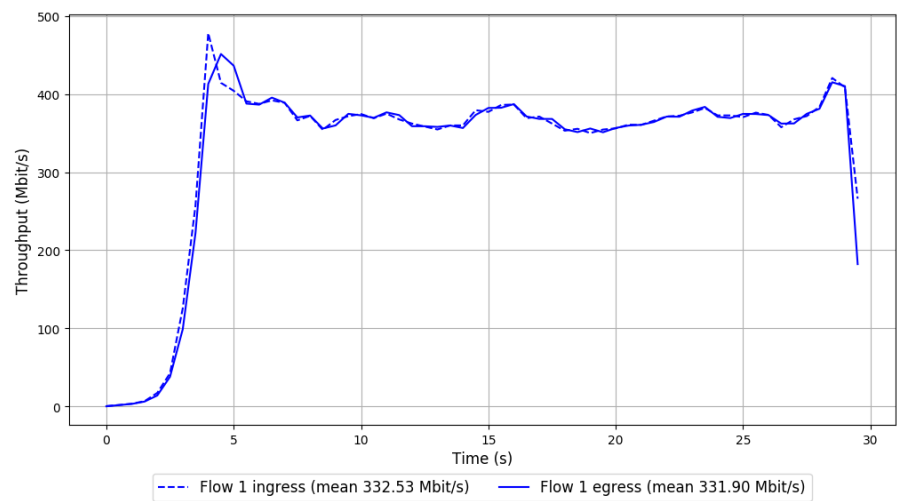
-- Flow 1:

Average throughput: 331.90 Mbit/s

95th percentile per-packet one-way delay: 93.053 ms

Loss rate: 0.77%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 05:50:27

End at: 2018-04-17 05:50:58

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.30 Mbit/s

95th percentile per-packet one-way delay: 114.212 ms

Loss rate: 0.77%

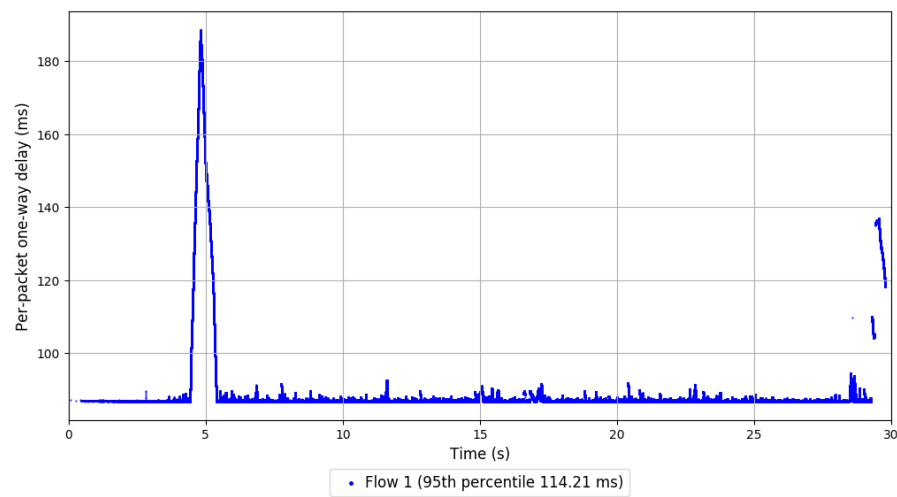
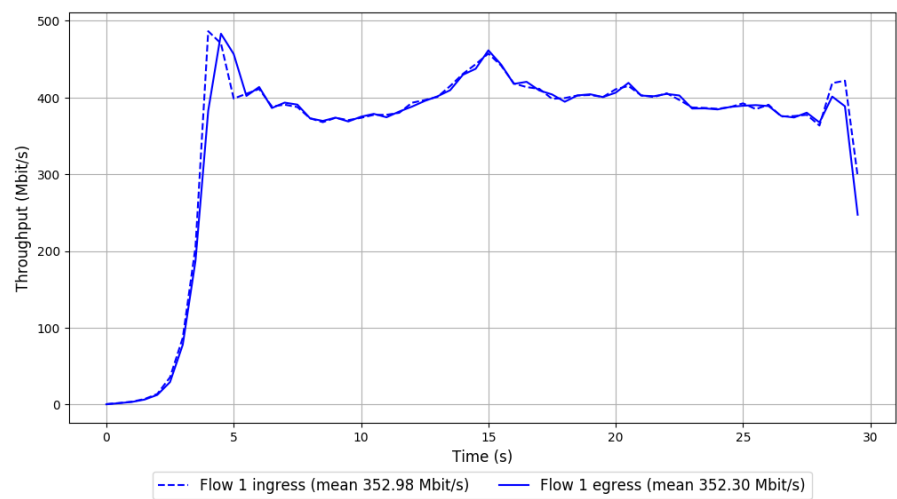
-- Flow 1:

Average throughput: 352.30 Mbit/s

95th percentile per-packet one-way delay: 114.212 ms

Loss rate: 0.77%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 06:04:11

End at: 2018-04-17 06:04:41

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.32 Mbit/s

95th percentile per-packet one-way delay: 99.976 ms

Loss rate: 0.62%

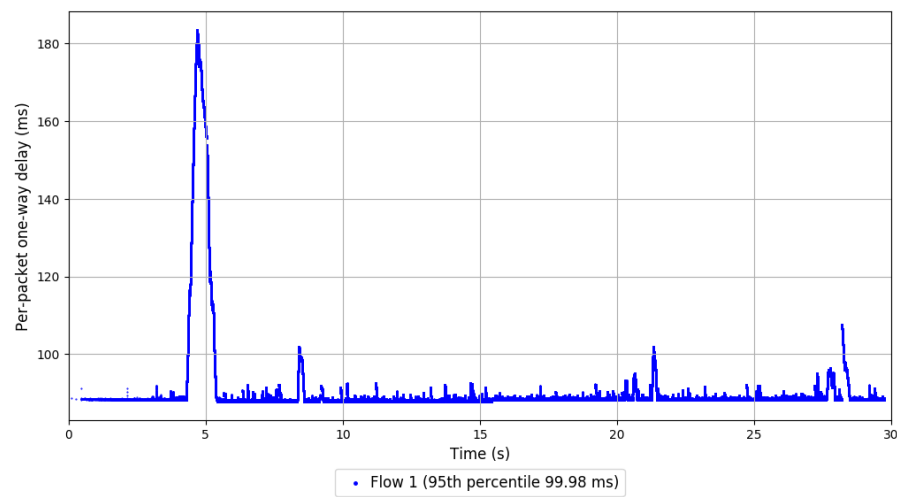
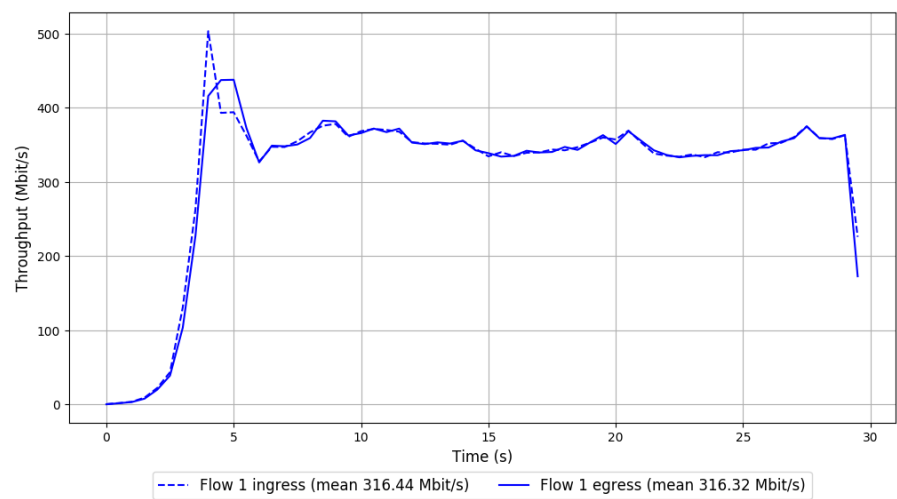
-- Flow 1:

Average throughput: 316.32 Mbit/s

95th percentile per-packet one-way delay: 99.976 ms

Loss rate: 0.62%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 06:17:53

End at: 2018-04-17 06:18:23

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.80 Mbit/s

95th percentile per-packet one-way delay: 90.575 ms

Loss rate: 0.72%

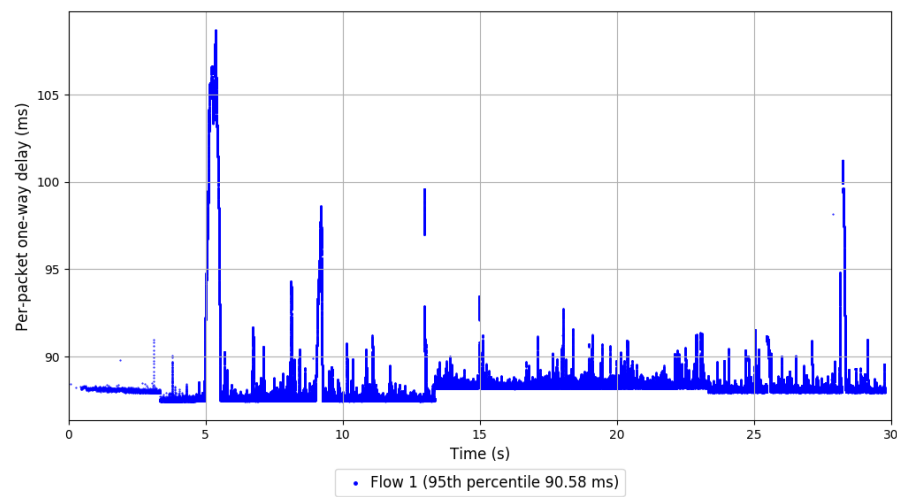
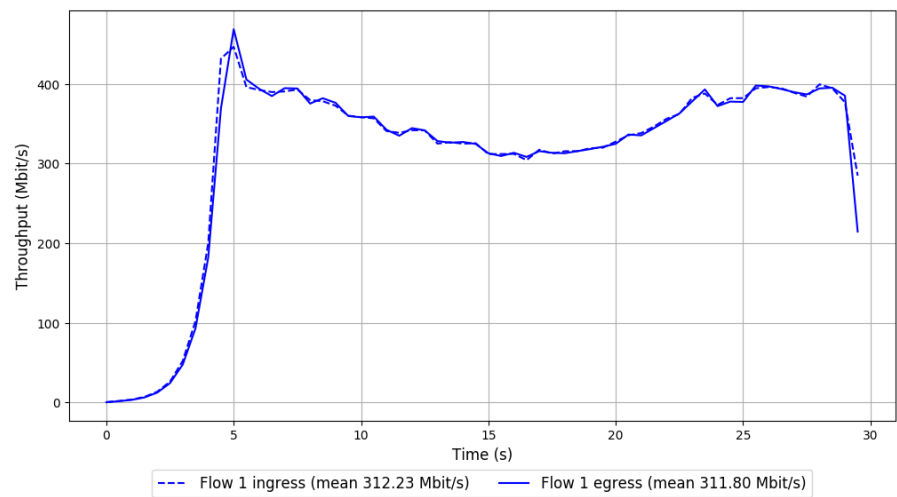
-- Flow 1:

Average throughput: 311.80 Mbit/s

95th percentile per-packet one-way delay: 90.575 ms

Loss rate: 0.72%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 06:31:42

End at: 2018-04-17 06:32:12

Below is generated by plot.py at 2018-04-17 11:15:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.82 Mbit/s

95th percentile per-packet one-way delay: 143.085 ms

Loss rate: 0.72%

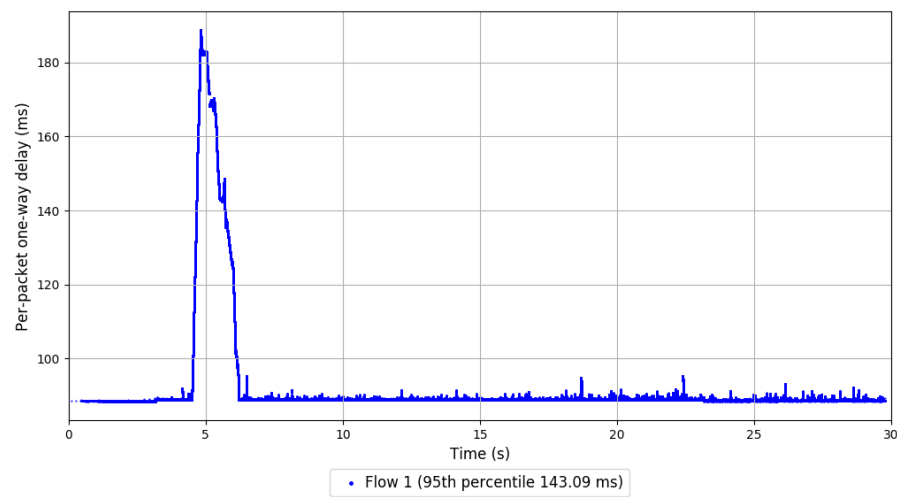
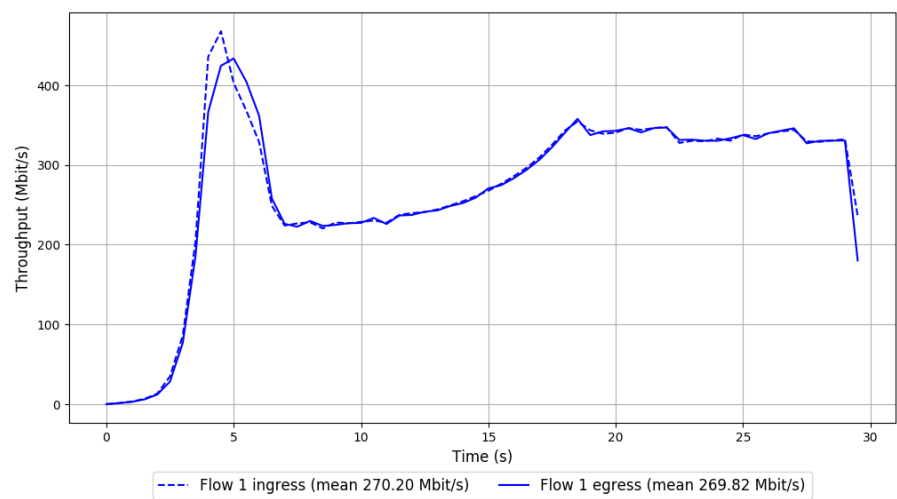
-- Flow 1:

Average throughput: 269.82 Mbit/s

95th percentile per-packet one-way delay: 143.085 ms

Loss rate: 0.72%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 06:45:22

End at: 2018-04-17 06:45:52

Below is generated by plot.py at 2018-04-17 11:15:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.69 Mbit/s

95th percentile per-packet one-way delay: 101.577 ms

Loss rate: 0.63%

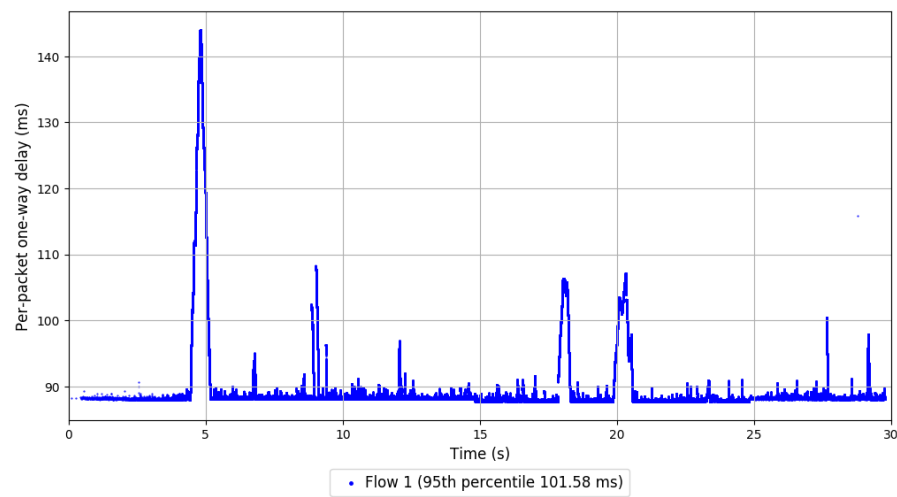
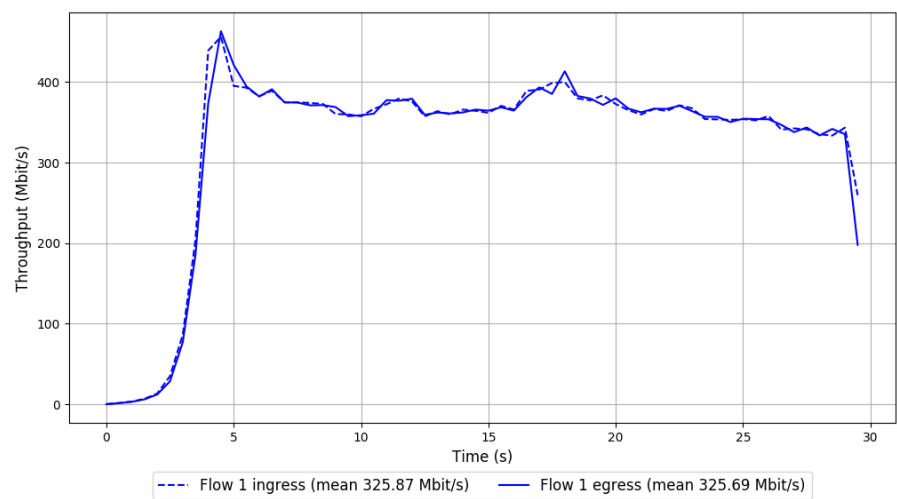
-- Flow 1:

Average throughput: 325.69 Mbit/s

95th percentile per-packet one-way delay: 101.577 ms

Loss rate: 0.63%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 06:59:09

End at: 2018-04-17 06:59:39

Below is generated by plot.py at 2018-04-17 11:16:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.80 Mbit/s

95th percentile per-packet one-way delay: 98.830 ms

Loss rate: 1.40%

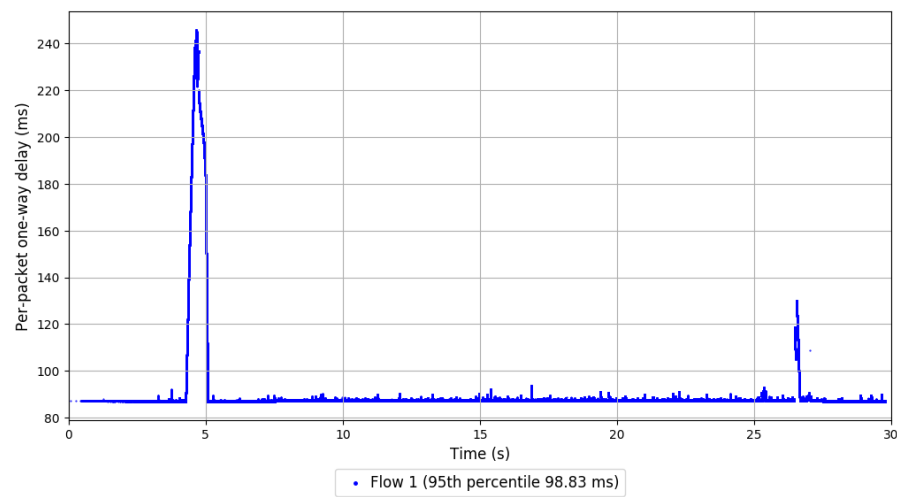
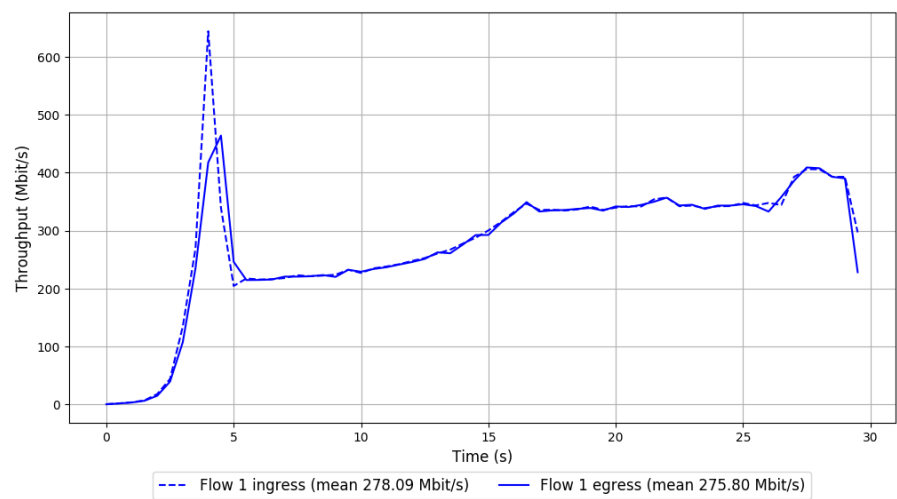
-- Flow 1:

Average throughput: 275.80 Mbit/s

95th percentile per-packet one-way delay: 98.830 ms

Loss rate: 1.40%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 07:13:07

End at: 2018-04-17 07:13:37

Below is generated by plot.py at 2018-04-17 11:17:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.16 Mbit/s

95th percentile per-packet one-way delay: 119.630 ms

Loss rate: 0.82%

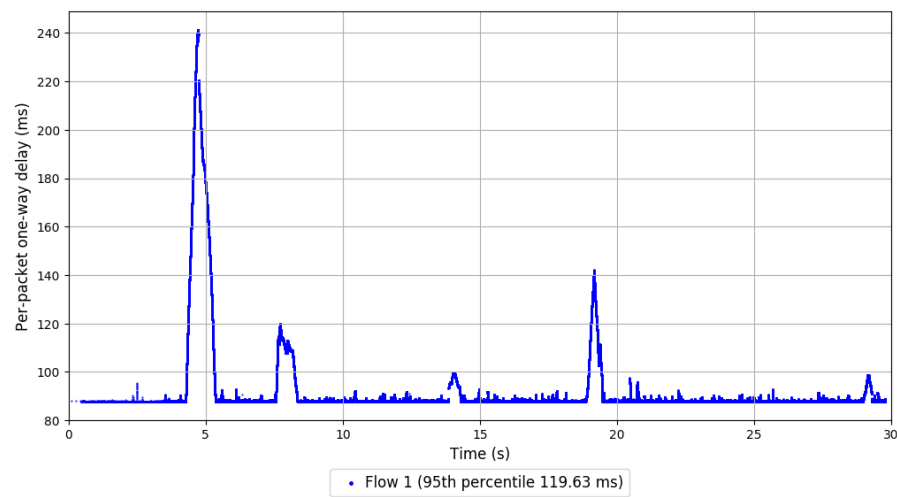
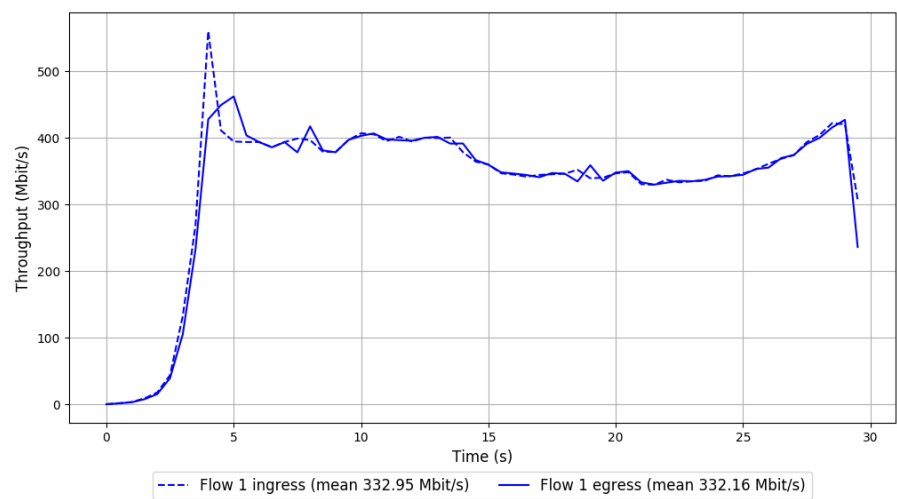
-- Flow 1:

Average throughput: 332.16 Mbit/s

95th percentile per-packet one-way delay: 119.630 ms

Loss rate: 0.82%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 07:26:53

End at: 2018-04-17 07:27:23

Below is generated by plot.py at 2018-04-17 11:17:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.22 Mbit/s

95th percentile per-packet one-way delay: 87.734 ms

Loss rate: 0.84%

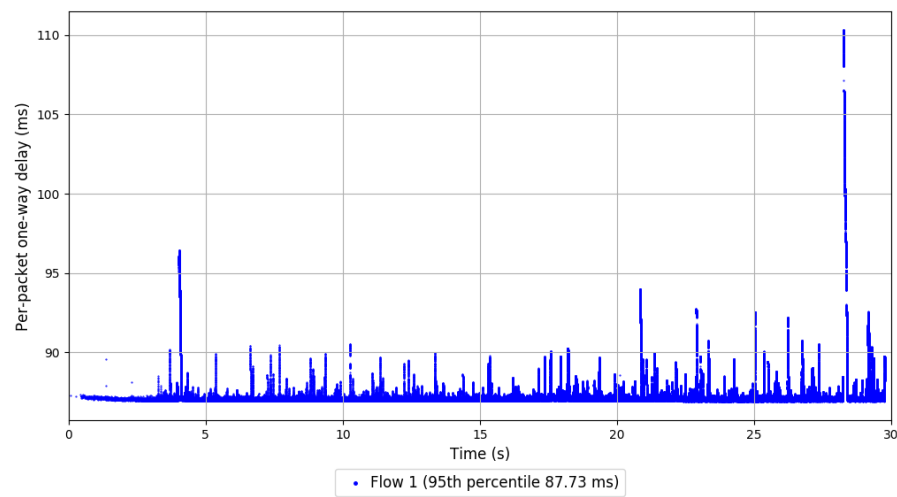
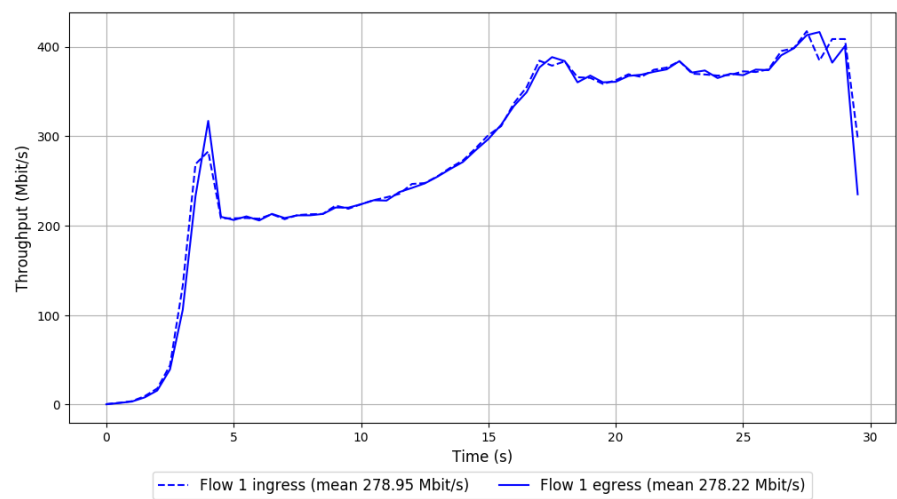
-- Flow 1:

Average throughput: 278.22 Mbit/s

95th percentile per-packet one-way delay: 87.734 ms

Loss rate: 0.84%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 07:40:30

End at: 2018-04-17 07:41:00

Below is generated by plot.py at 2018-04-17 11:17:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.39 Mbit/s

95th percentile per-packet one-way delay: 94.282 ms

Loss rate: 0.70%

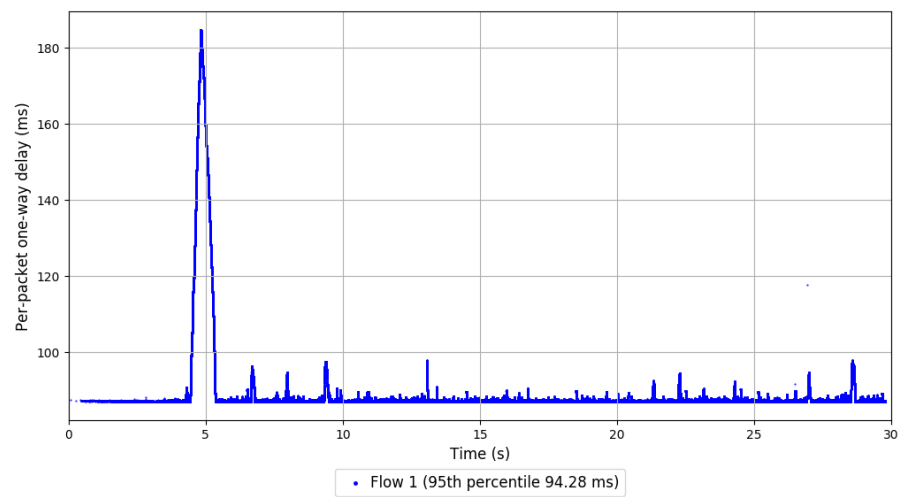
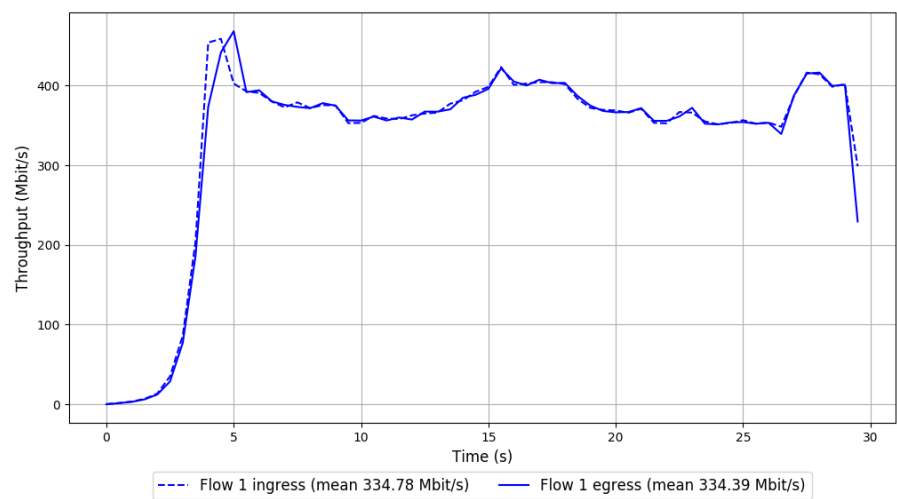
-- Flow 1:

Average throughput: 334.39 Mbit/s

95th percentile per-packet one-way delay: 94.282 ms

Loss rate: 0.70%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 05:35:54

End at: 2018-04-17 05:36:24

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 05:49:49

End at: 2018-04-17 05:50:19

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 06:03:32

End at: 2018-04-17 06:04:02

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 06:17:15

End at: 2018-04-17 06:17:45

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 06:31:04

End at: 2018-04-17 06:31:34

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 06:44:43

End at: 2018-04-17 06:45:13

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 06:58:30

End at: 2018-04-17 06:59:00

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 07:12:28

End at: 2018-04-17 07:12:58

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 07:26:14

End at: 2018-04-17 07:26:44

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-17 07:39:51

End at: 2018-04-17 07:40:21

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing