

Pantheon Report

Generated at 2018-04-17 12:16:10 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

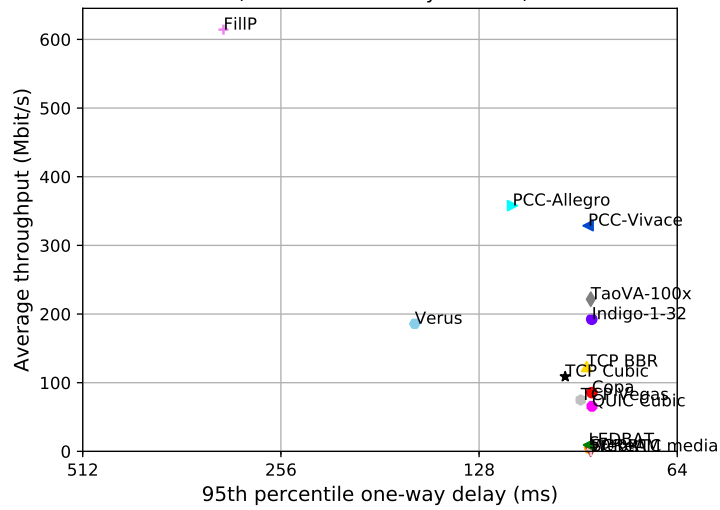
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

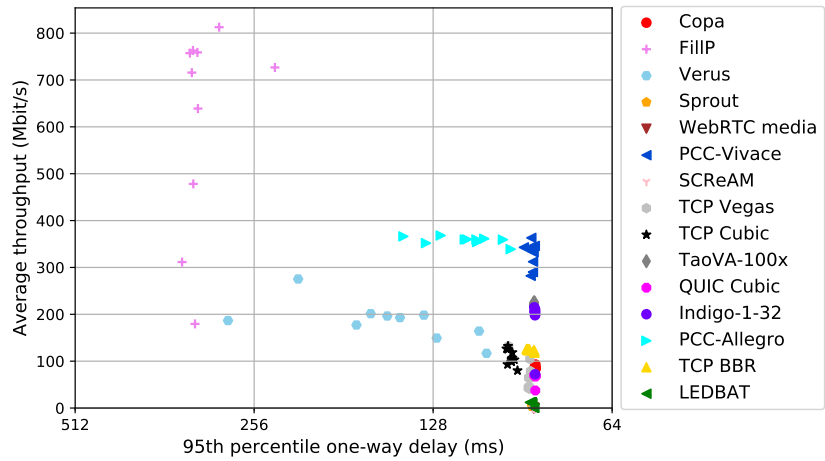
Git summary:

```
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 Iowa Ethernet to GCE Sydney Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	123.54	87.86	0.01
TCP Cubic	10	108.85	94.71	0.01
LEDBAT	10	9.44	87.30	0.00
PCC-Allegro	10	357.92	113.85	0.19
QUIC Cubic	9	65.64	86.24	0.01
SCReAM	10	0.22	86.59	0.00
WebRTC media	10	0.06	86.64	0.00
Sprout	10	4.15	87.09	0.00
TaoVA-100x	10	221.57	86.61	0.00
TCP Vegas	10	74.80	89.71	0.00
Verus	10	185.85	160.29	0.16
Copa	10	85.53	86.27	0.00
FillP	10	614.25	312.94	4.43
Indigo-1-32	10	192.43	86.31	0.00
PCC-Vivace	10	328.70	87.43	0.00
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 07:58:18

End at: 2018-04-17 07:58:48

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.42 Mbit/s

95th percentile per-packet one-way delay: 88.183 ms

Loss rate: 0.00%

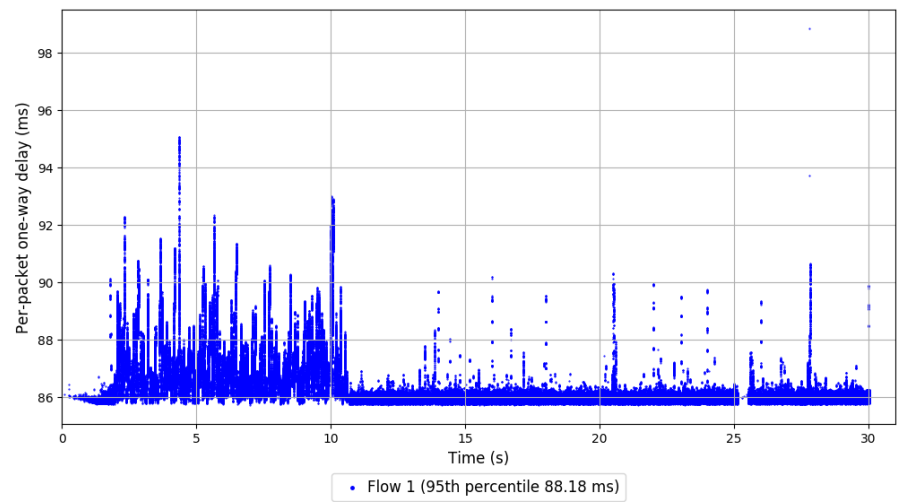
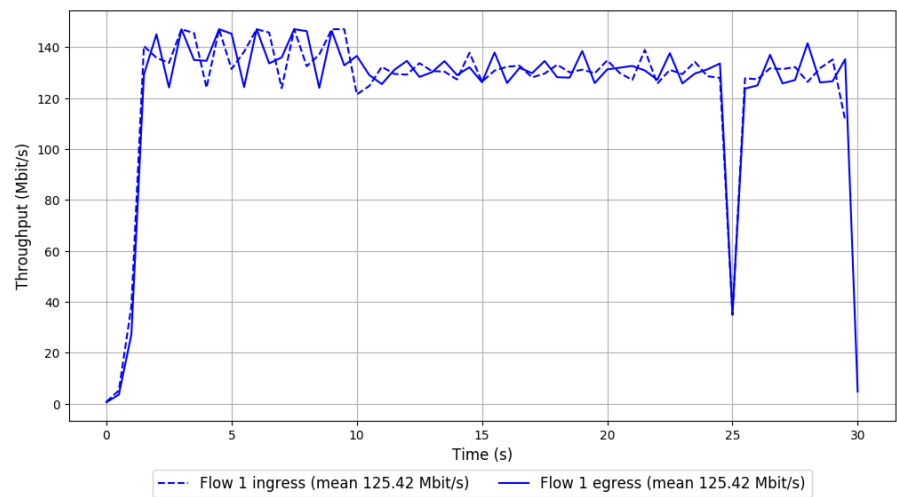
-- Flow 1:

Average throughput: 125.42 Mbit/s

95th percentile per-packet one-way delay: 88.183 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 08:11:44

End at: 2018-04-17 08:12:14

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.26 Mbit/s

95th percentile per-packet one-way delay: 89.081 ms

Loss rate: 0.00%

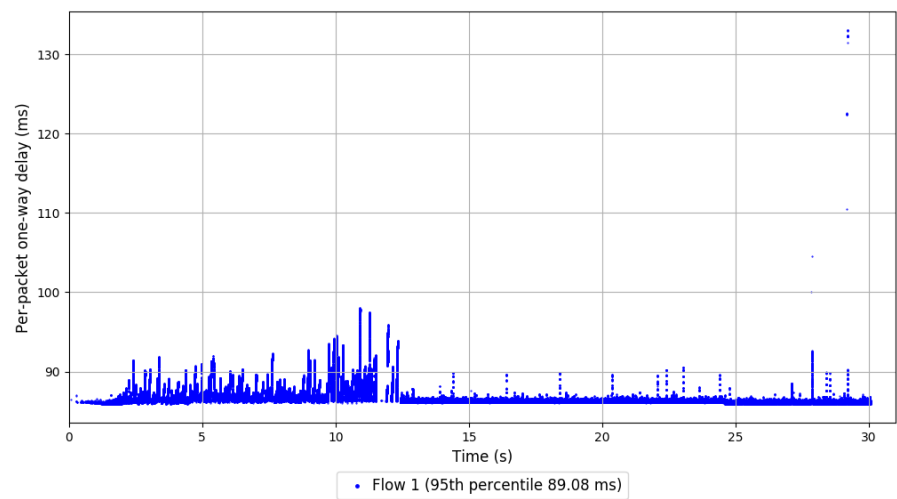
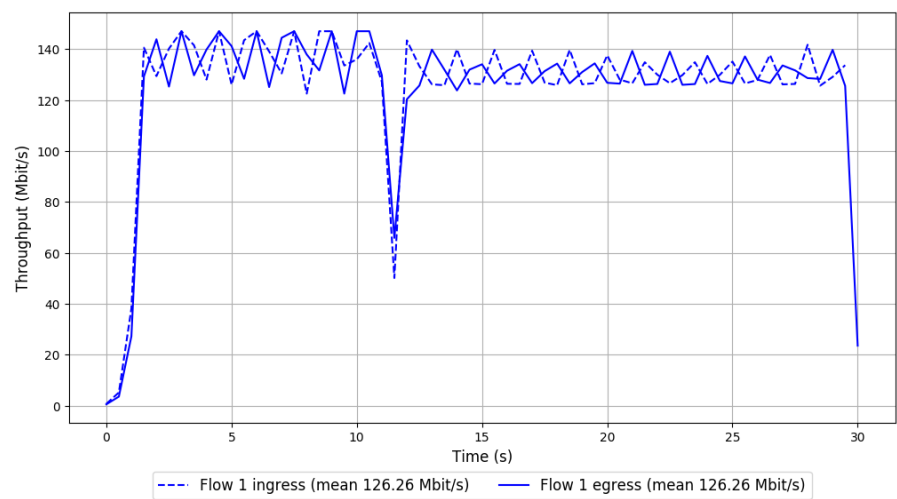
-- Flow 1:

Average throughput: 126.26 Mbit/s

95th percentile per-packet one-way delay: 89.081 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 08:25:16

End at: 2018-04-17 08:25:46

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.05 Mbit/s

95th percentile per-packet one-way delay: 88.912 ms

Loss rate: 0.00%

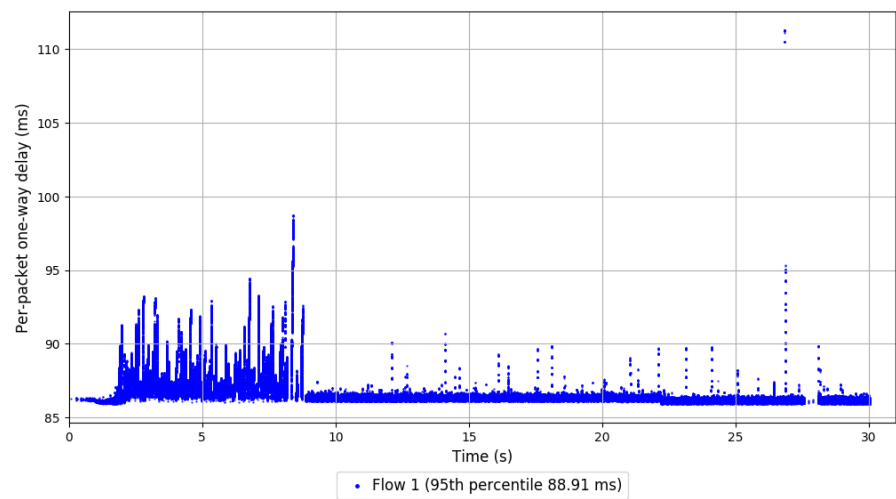
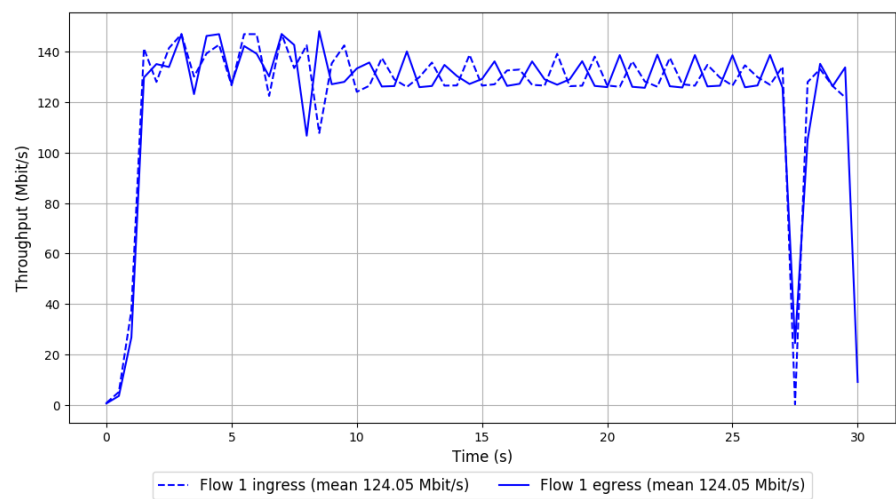
-- Flow 1:

Average throughput: 124.05 Mbit/s

95th percentile per-packet one-way delay: 88.912 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 08:38:47

End at: 2018-04-17 08:39:17

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.57 Mbit/s

95th percentile per-packet one-way delay: 86.584 ms

Loss rate: 0.00%

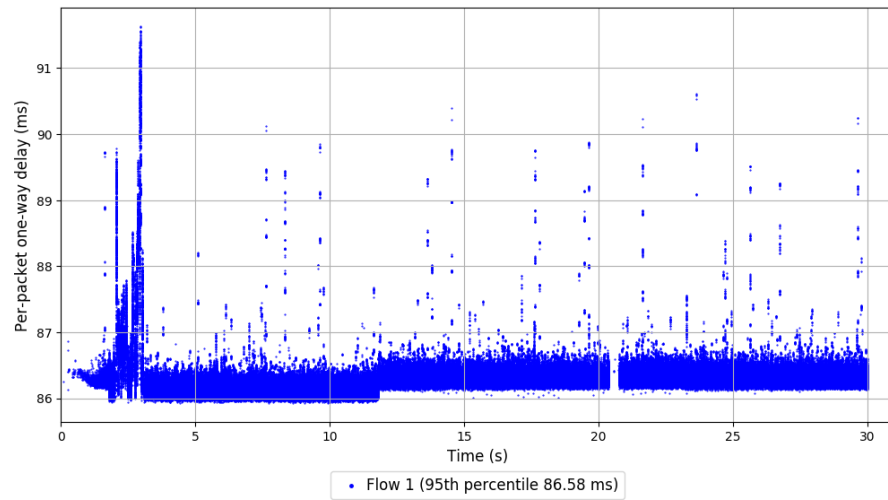
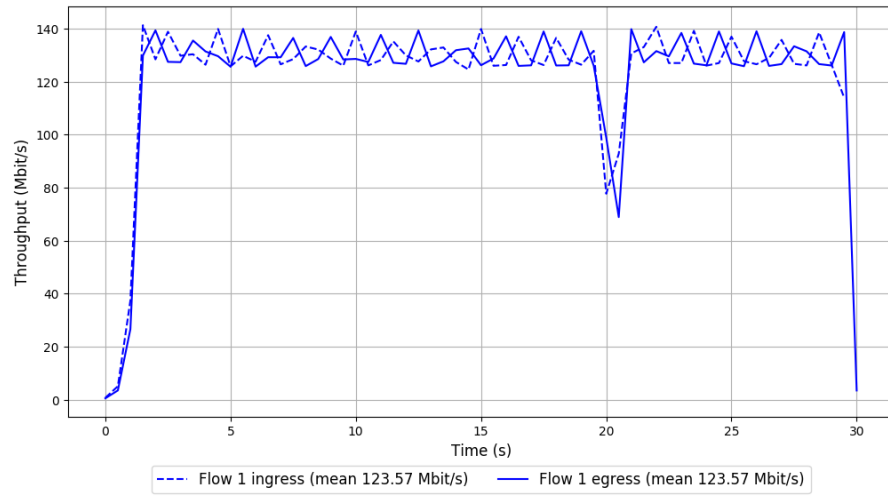
-- Flow 1:

Average throughput: 123.57 Mbit/s

95th percentile per-packet one-way delay: 86.584 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 08:52:24

End at: 2018-04-17 08:52:54

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.98 Mbit/s

95th percentile per-packet one-way delay: 86.785 ms

Loss rate: 0.00%

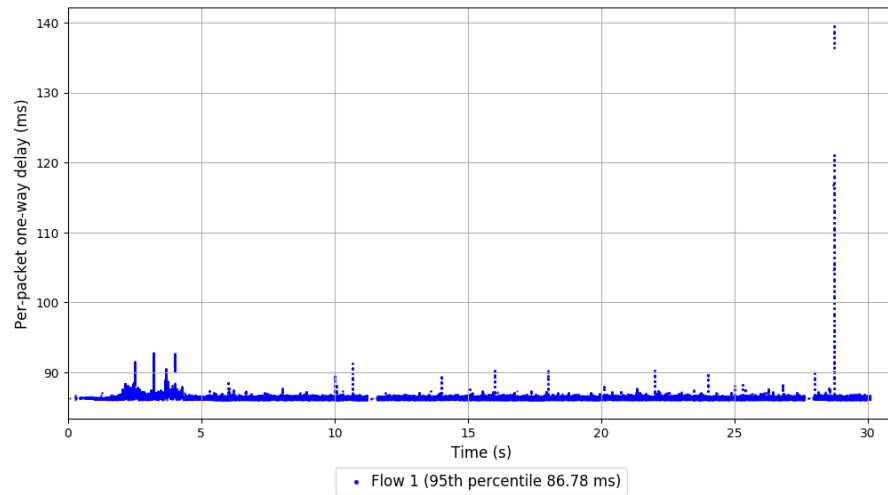
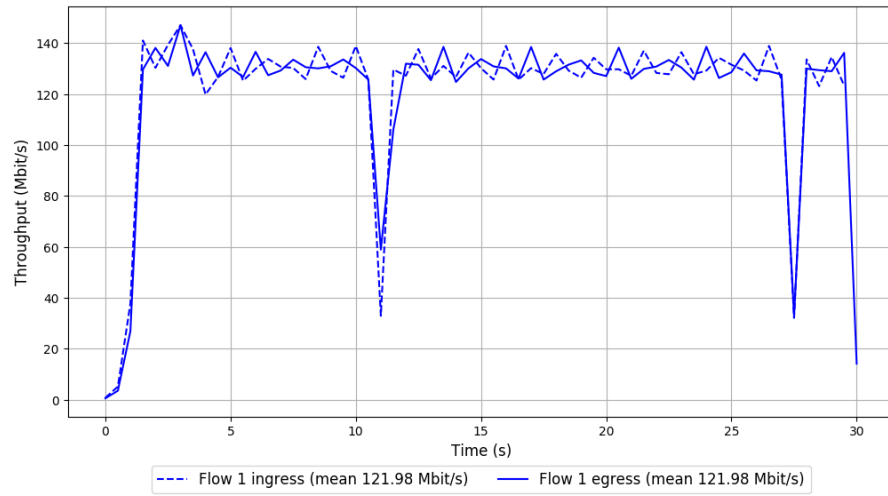
-- Flow 1:

Average throughput: 121.98 Mbit/s

95th percentile per-packet one-way delay: 86.785 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

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

End at: 2018-04-17 09:06:34

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.63 Mbit/s

95th percentile per-packet one-way delay: 86.505 ms

Loss rate: 0.00%

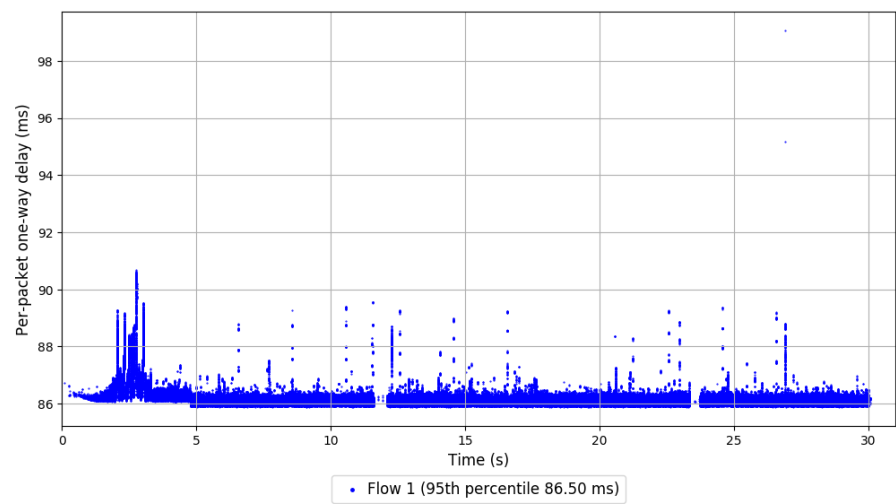
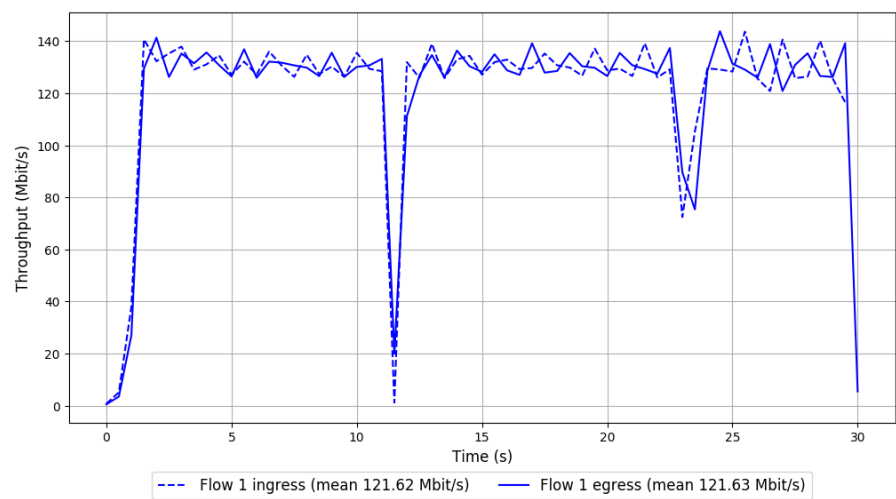
-- Flow 1:

Average throughput: 121.63 Mbit/s

95th percentile per-packet one-way delay: 86.505 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-17 09:19:39

End at: 2018-04-17 09:20:09

Below is generated by plot.py at 2018-04-17 11:20:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.58 Mbit/s

95th percentile per-packet one-way delay: 89.027 ms

Loss rate: 0.00%

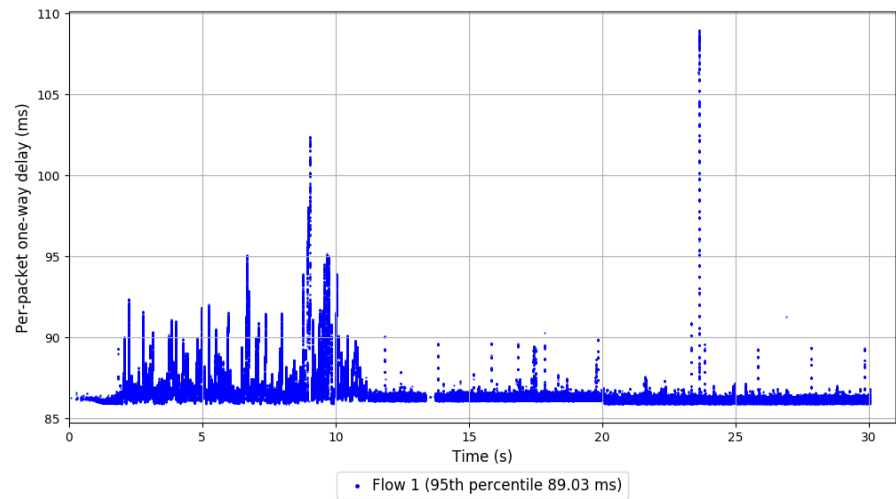
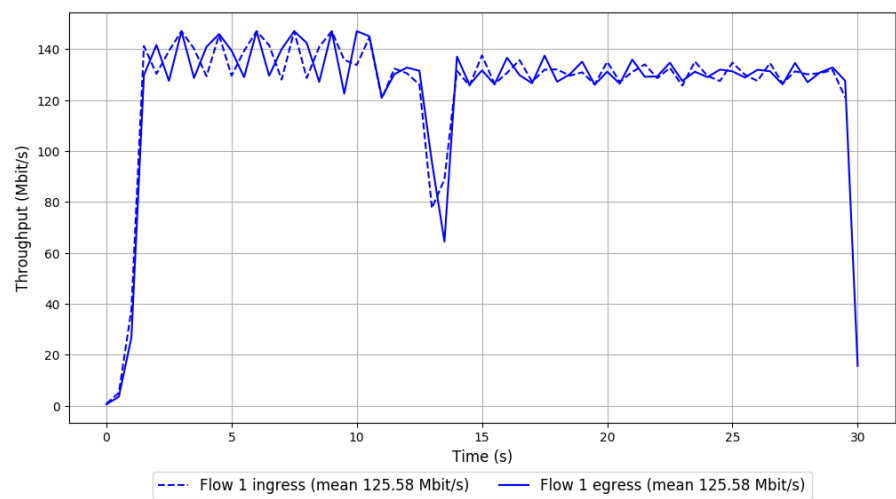
-- Flow 1:

Average throughput: 125.58 Mbit/s

95th percentile per-packet one-way delay: 89.027 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 09:33:02

End at: 2018-04-17 09:33:32

Below is generated by plot.py at 2018-04-17 11:20:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.53 Mbit/s

95th percentile per-packet one-way delay: 88.537 ms

Loss rate: 0.00%

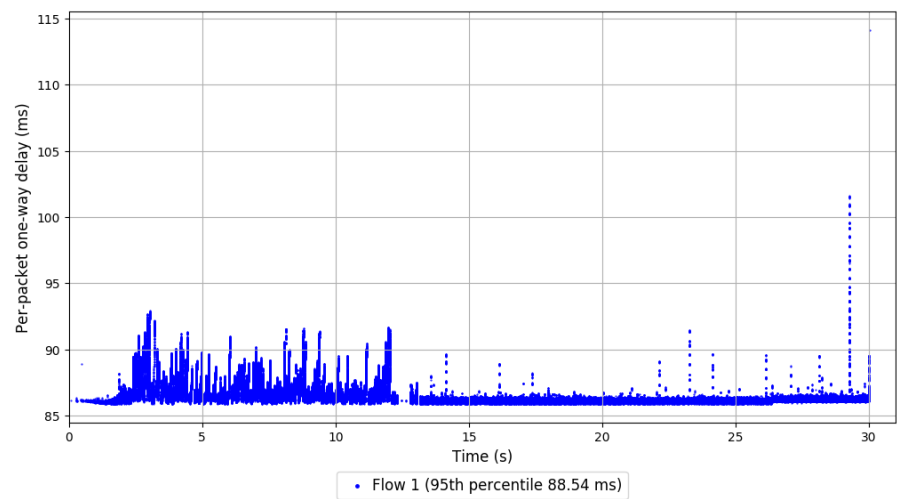
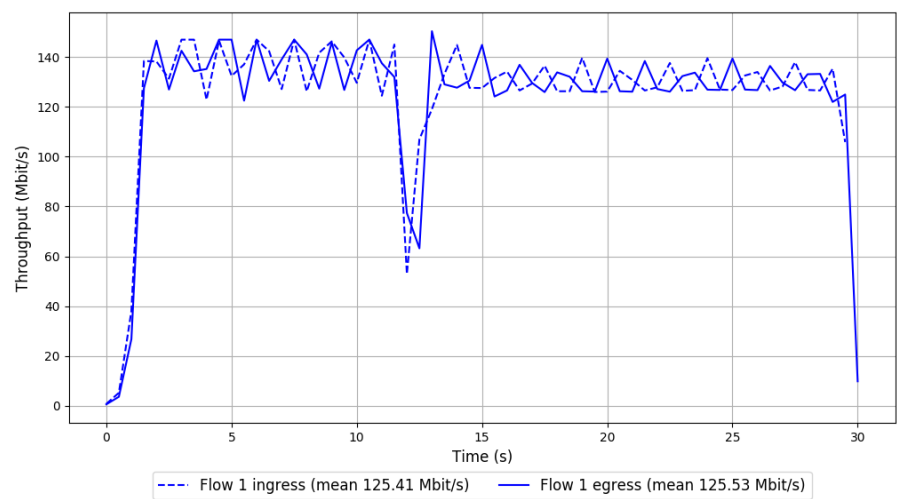
-- Flow 1:

Average throughput: 125.53 Mbit/s

95th percentile per-packet one-way delay: 88.537 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 09:46:30

End at: 2018-04-17 09:47:00

Below is generated by plot.py at 2018-04-17 11:22:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.18 Mbit/s

95th percentile per-packet one-way delay: 88.561 ms

Loss rate: 0.00%

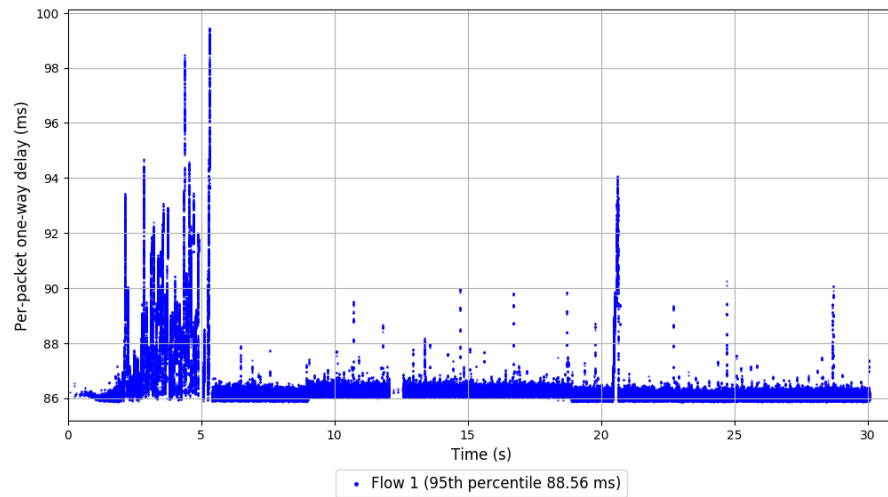
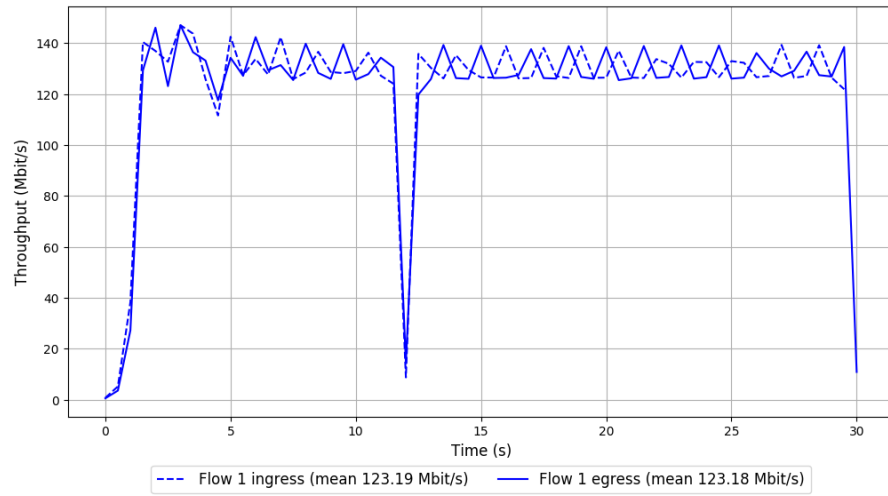
-- Flow 1:

Average throughput: 123.18 Mbit/s

95th percentile per-packet one-way delay: 88.561 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 09:59:43

End at: 2018-04-17 10:00:13

Below is generated by plot.py at 2018-04-17 11:22:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.22 Mbit/s

95th percentile per-packet one-way delay: 86.465 ms

Loss rate: 0.10%

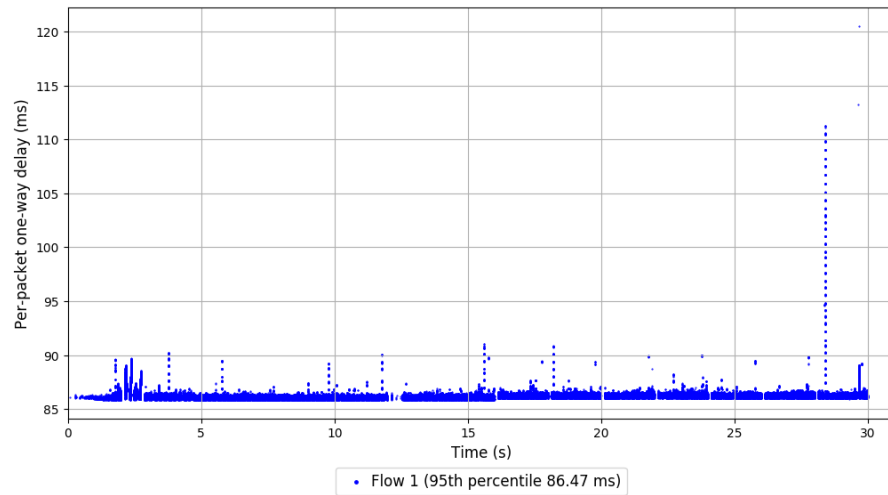
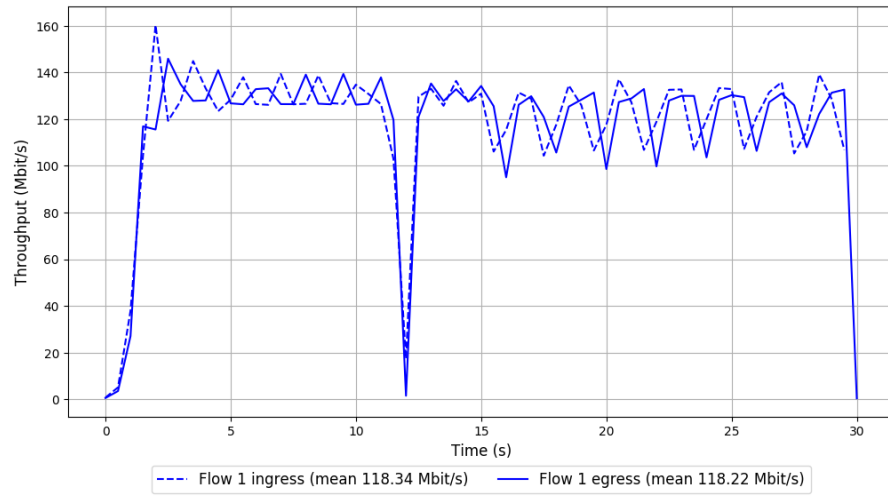
-- Flow 1:

Average throughput: 118.22 Mbit/s

95th percentile per-packet one-way delay: 86.465 ms

Loss rate: 0.10%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 07:50:36

End at: 2018-04-17 07:51:06

Below is generated by plot.py at 2018-04-17 11:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.00 Mbit/s

95th percentile per-packet one-way delay: 95.773 ms

Loss rate: 0.03%

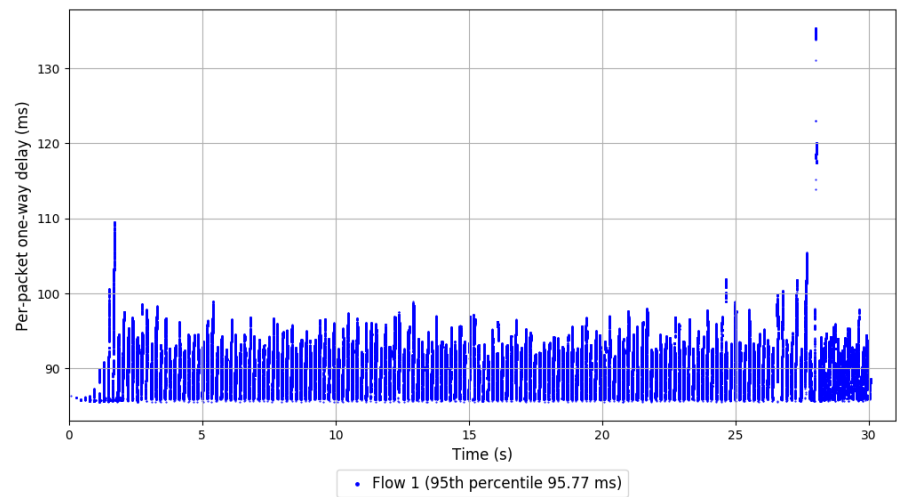
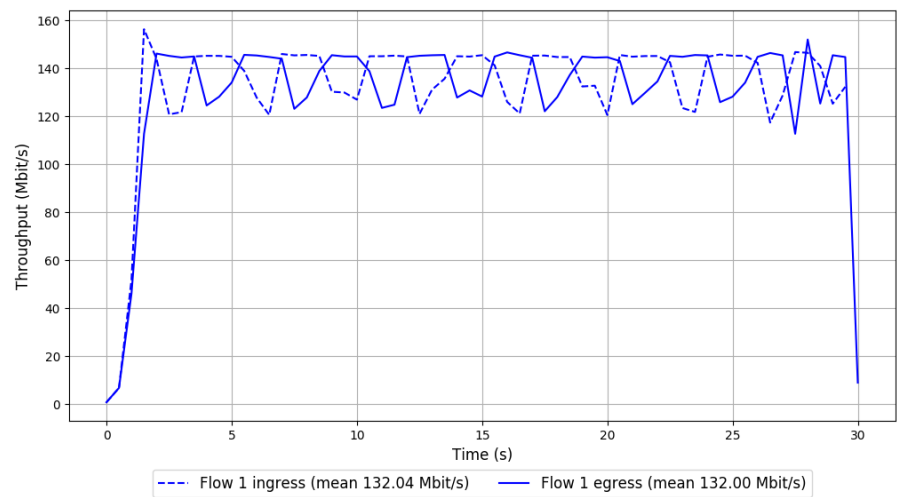
-- Flow 1:

Average throughput: 132.00 Mbit/s

95th percentile per-packet one-way delay: 95.773 ms

Loss rate: 0.03%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

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

End at: 2018-04-17 08:04:36

Below is generated by plot.py at 2018-04-17 11:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 95.954 ms

Loss rate: 0.00%

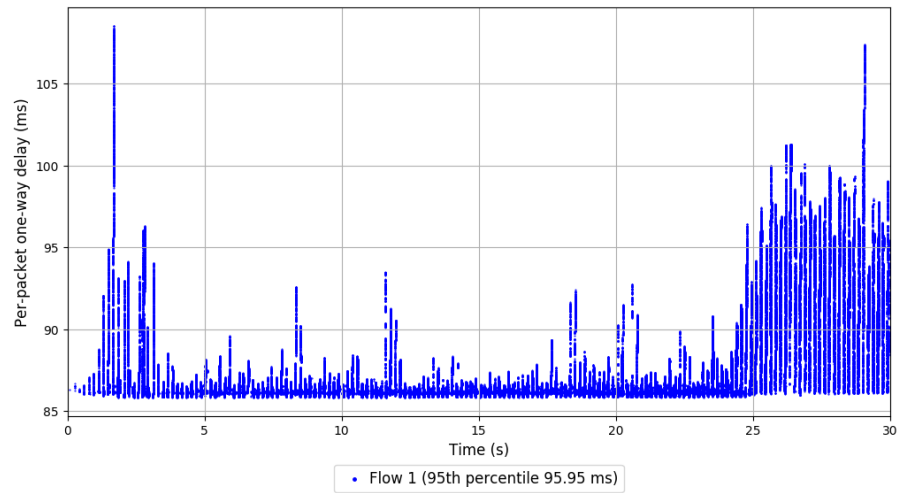
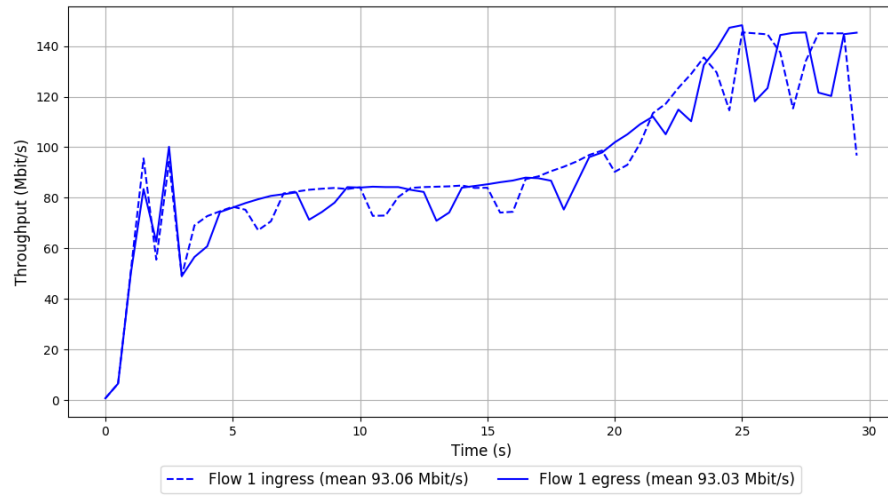
-- Flow 1:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 95.954 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 08:17:39

End at: 2018-04-17 08:18:09

Below is generated by plot.py at 2018-04-17 11:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.57 Mbit/s

95th percentile per-packet one-way delay: 94.199 ms

Loss rate: 0.00%

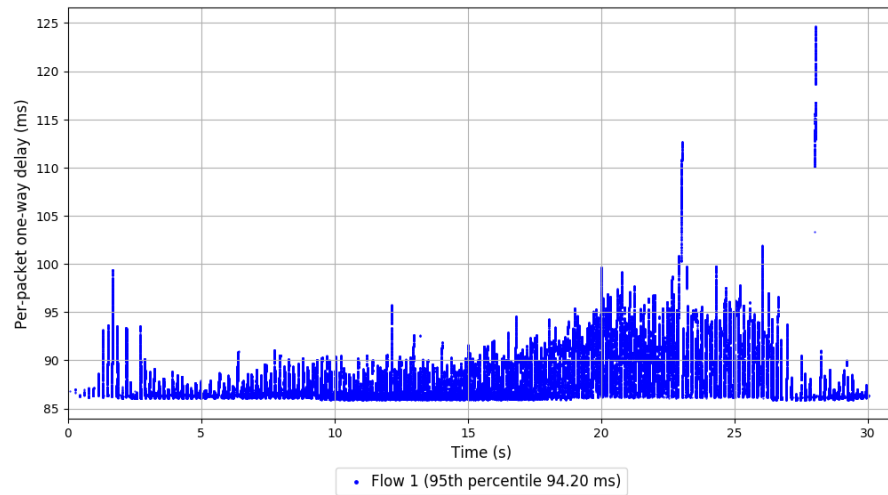
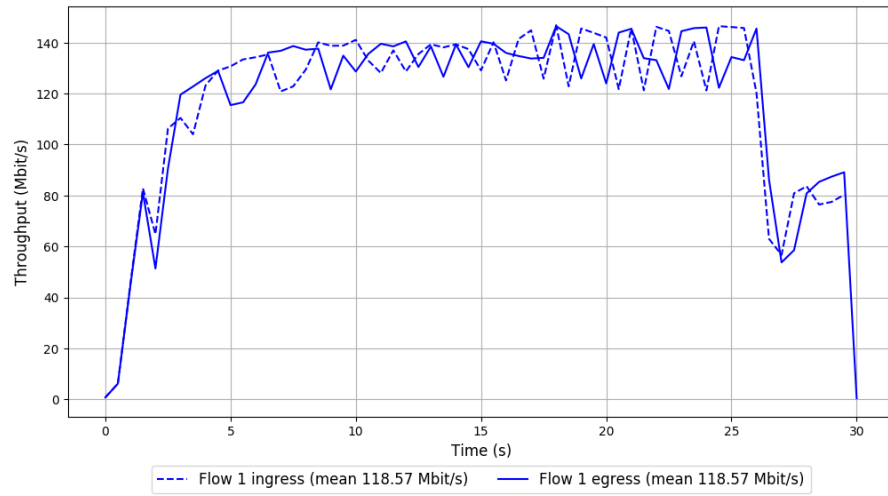
-- Flow 1:

Average throughput: 118.57 Mbit/s

95th percentile per-packet one-way delay: 94.199 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 08:31:16

End at: 2018-04-17 08:31:46

Below is generated by plot.py at 2018-04-17 11:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.95 Mbit/s

95th percentile per-packet one-way delay: 94.472 ms

Loss rate: 0.00%

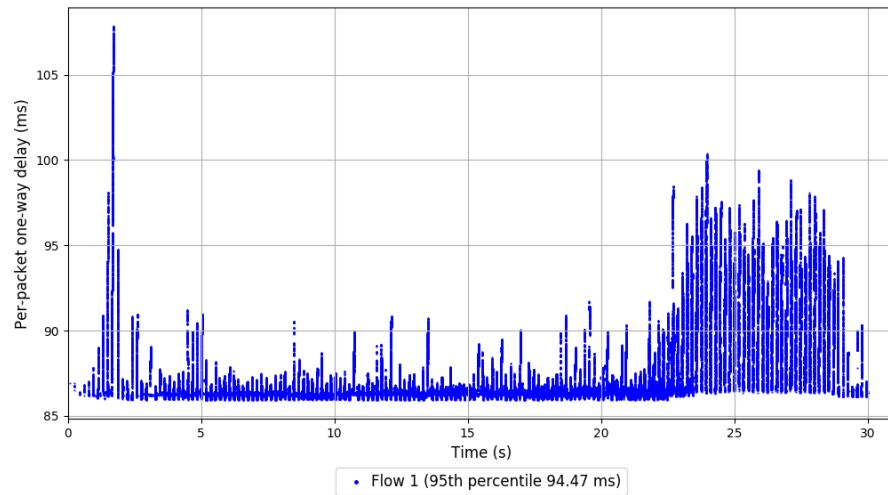
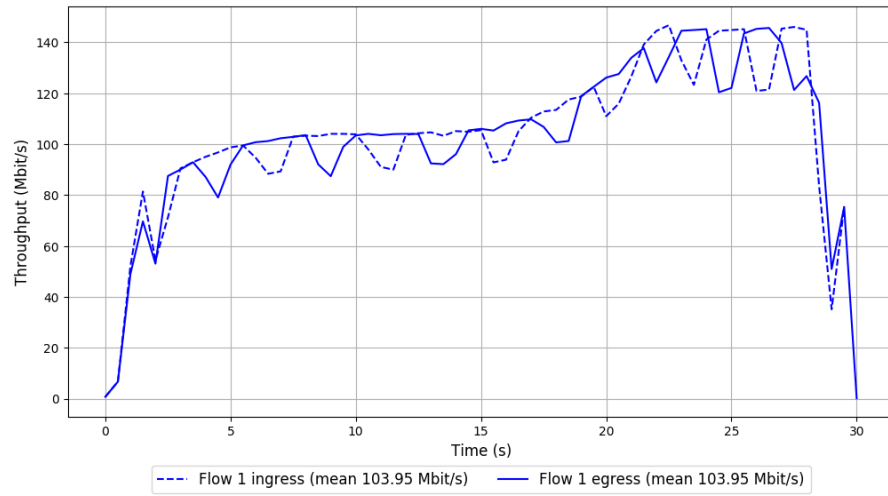
-- Flow 1:

Average throughput: 103.95 Mbit/s

95th percentile per-packet one-way delay: 94.472 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 08:44:46

End at: 2018-04-17 08:45:16

Below is generated by plot.py at 2018-04-17 11:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.91 Mbit/s

95th percentile per-packet one-way delay: 94.456 ms

Loss rate: 0.00%

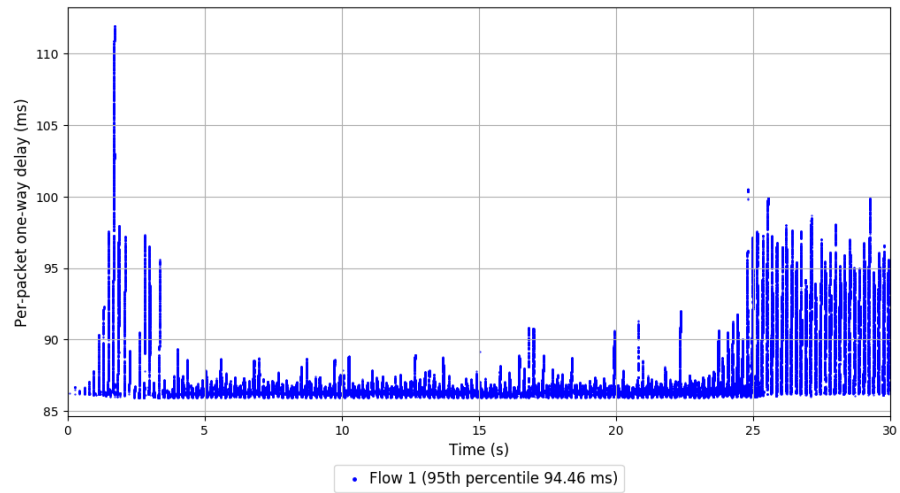
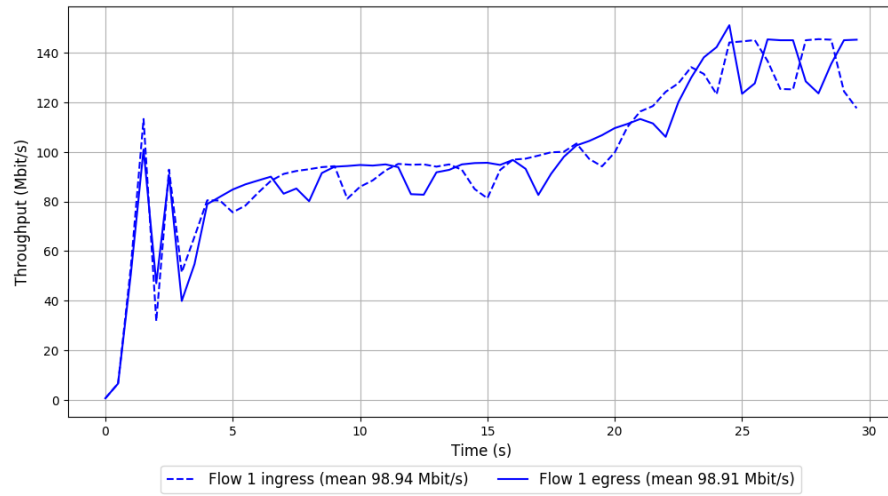
-- Flow 1:

Average throughput: 98.91 Mbit/s

95th percentile per-packet one-way delay: 94.456 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 08:58:25

End at: 2018-04-17 08:58:55

Below is generated by plot.py at 2018-04-17 11:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.32 Mbit/s

95th percentile per-packet one-way delay: 95.898 ms

Loss rate: 0.00%

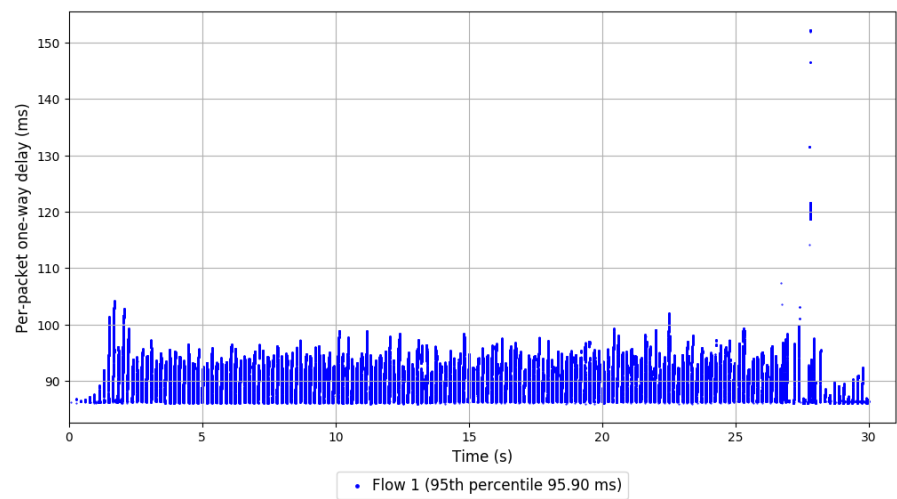
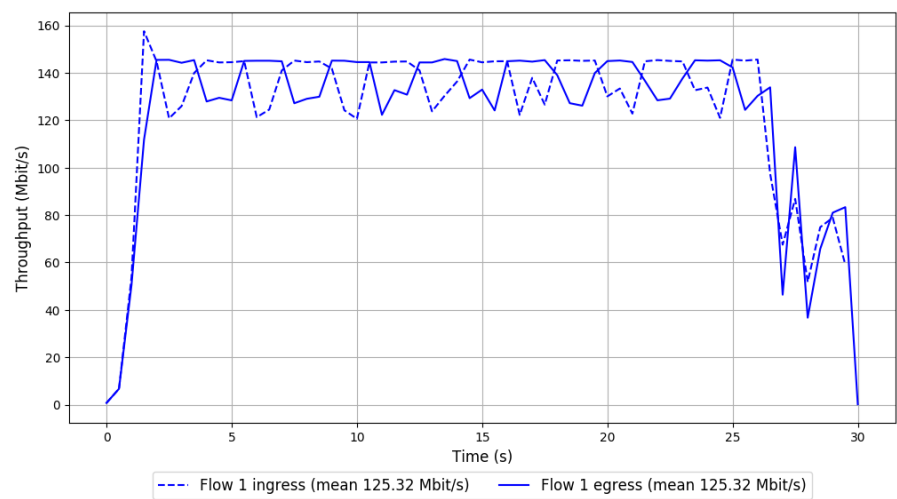
-- Flow 1:

Average throughput: 125.32 Mbit/s

95th percentile per-packet one-way delay: 95.898 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 09:12:02

End at: 2018-04-17 09:12:32

Below is generated by plot.py at 2018-04-17 11:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.16 Mbit/s

95th percentile per-packet one-way delay: 93.442 ms

Loss rate: 0.00%

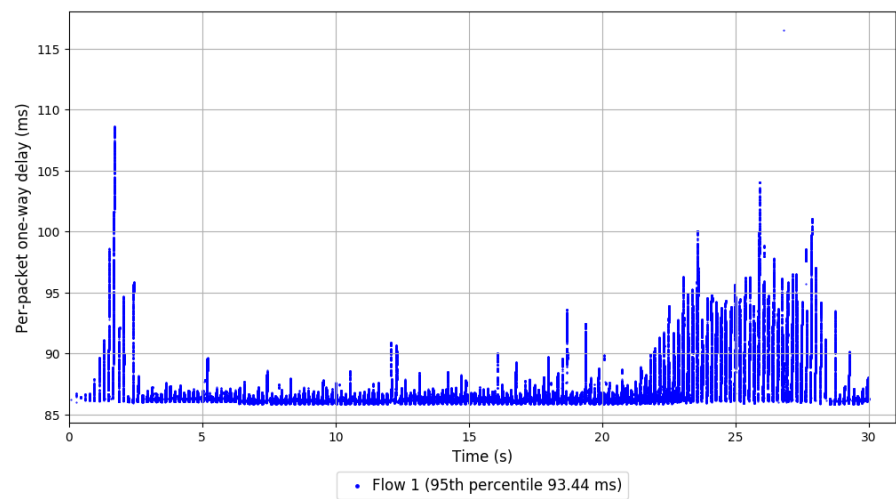
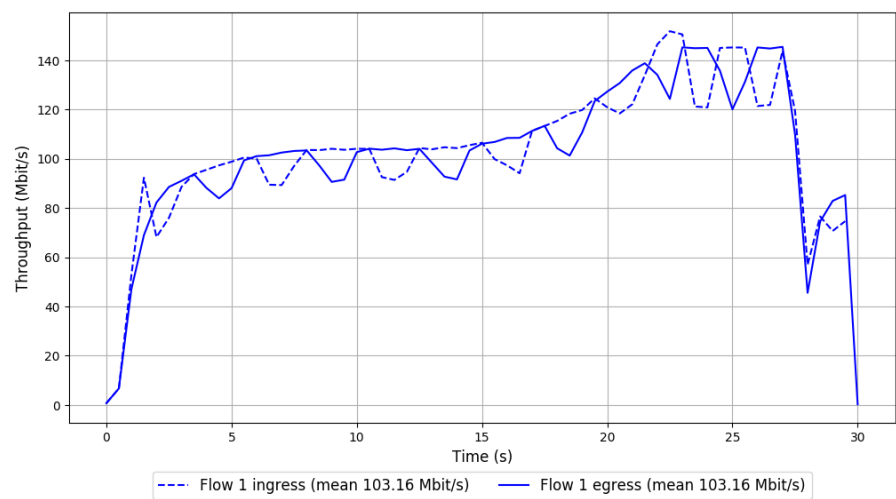
-- Flow 1:

Average throughput: 103.16 Mbit/s

95th percentile per-packet one-way delay: 93.442 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 09:25:22

End at: 2018-04-17 09:25:52

Below is generated by plot.py at 2018-04-17 11:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.03 Mbit/s

95th percentile per-packet one-way delay: 92.327 ms

Loss rate: 0.00%

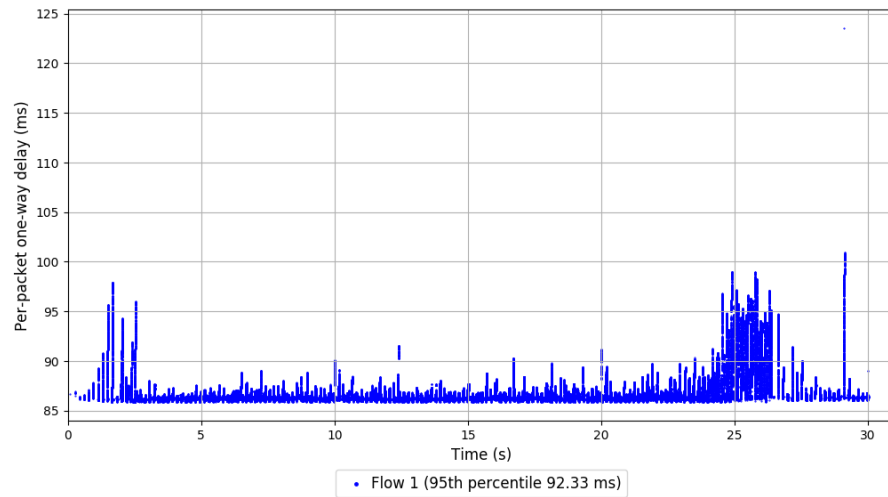
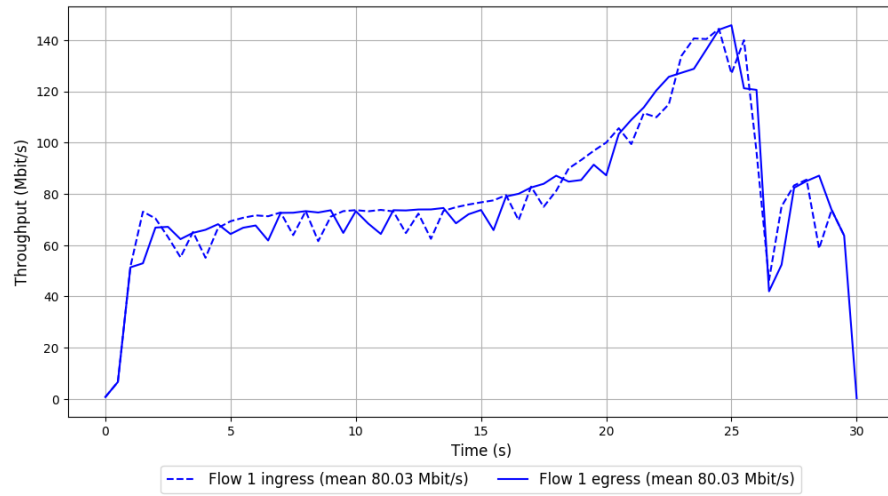
-- Flow 1:

Average throughput: 80.03 Mbit/s

95th percentile per-packet one-way delay: 92.327 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 09:38:53

End at: 2018-04-17 09:39:23

Below is generated by plot.py at 2018-04-17 11:23:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.54 Mbit/s

95th percentile per-packet one-way delay: 96.345 ms

Loss rate: 0.00%

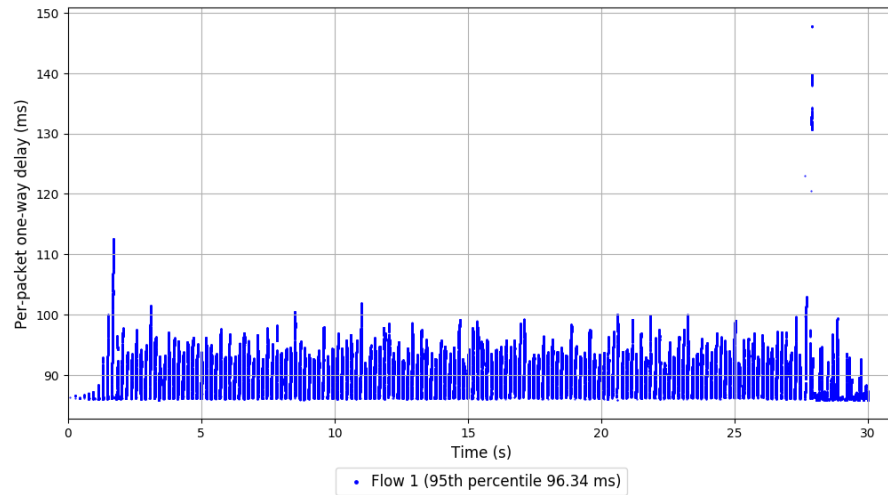
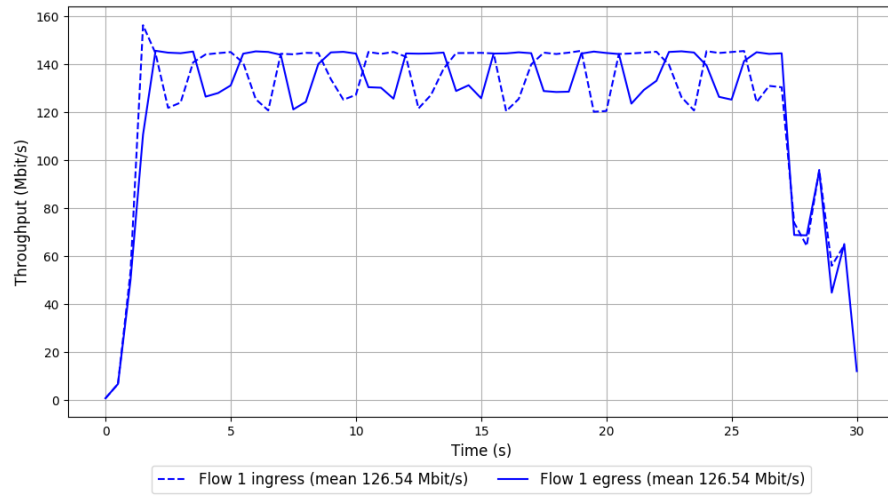
-- Flow 1:

Average throughput: 126.54 Mbit/s

95th percentile per-packet one-way delay: 96.345 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 09:52:07

End at: 2018-04-17 09:52:37

Below is generated by plot.py at 2018-04-17 11:23:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.01 Mbit/s

95th percentile per-packet one-way delay: 94.209 ms

Loss rate: 0.06%

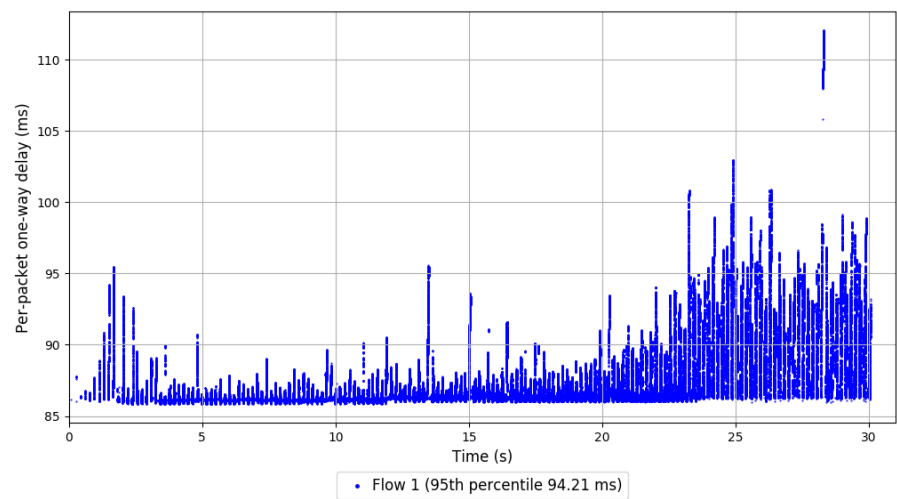
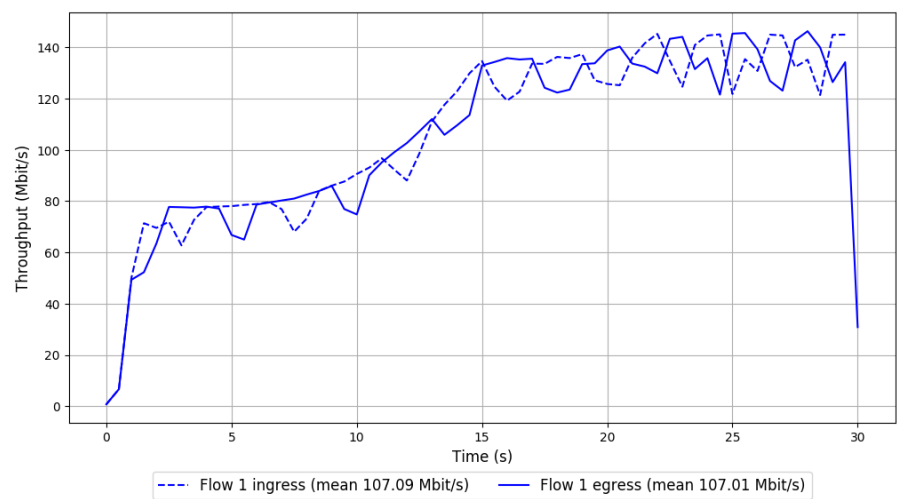
-- Flow 1:

Average throughput: 107.01 Mbit/s

95th percentile per-packet one-way delay: 94.209 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

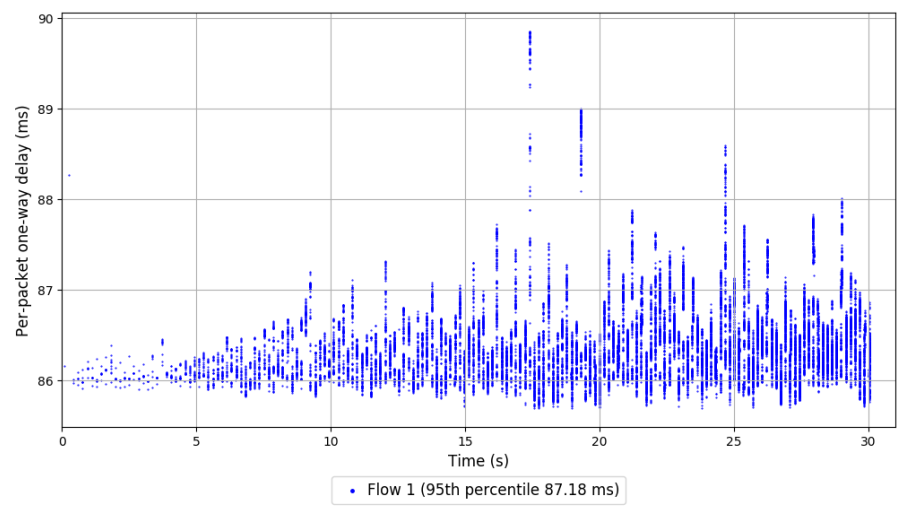
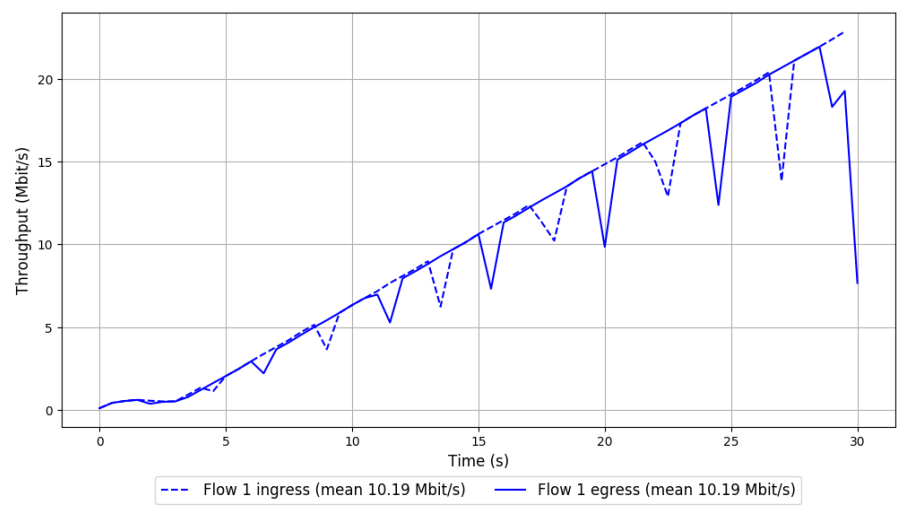


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 07:56:36
End at: 2018-04-17 07:57:06

# Below is generated by plot.py at 2018-04-17 11:23:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.19 Mbit/s
95th percentile per-packet one-way delay: 87.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.19 Mbit/s
95th percentile per-packet one-way delay: 87.176 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

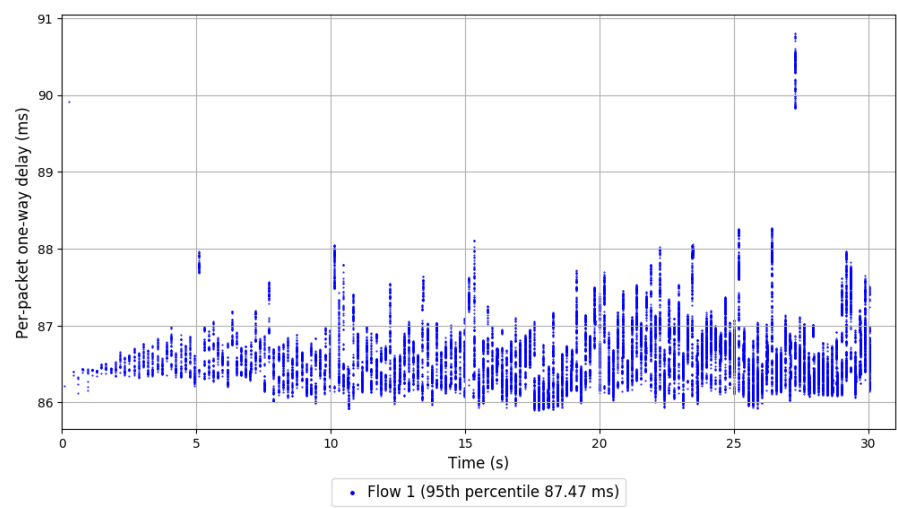
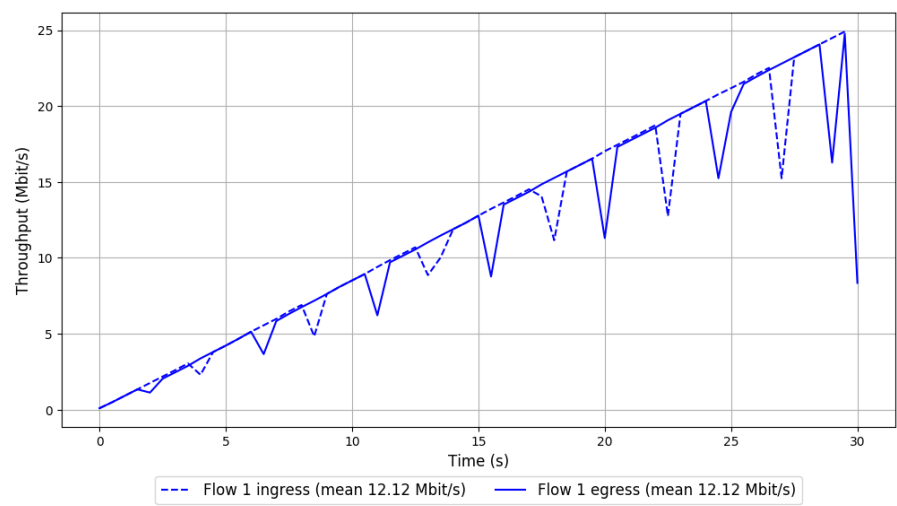


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-17 08:10:01
End at: 2018-04-17 08:10:31

# Below is generated by plot.py at 2018-04-17 11:23:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.469 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-17 08:23:34

End at: 2018-04-17 08:24:04

Below is generated by plot.py at 2018-04-17 11:23:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 88.028 ms

Loss rate: 0.00%

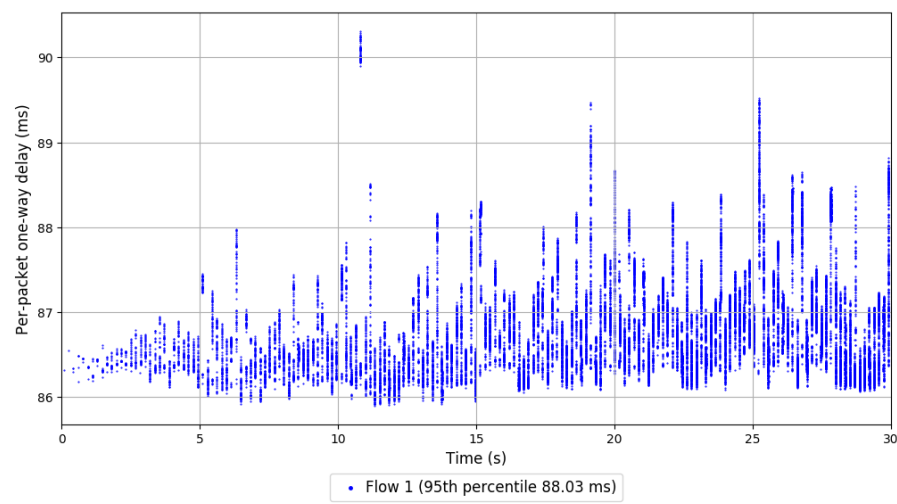
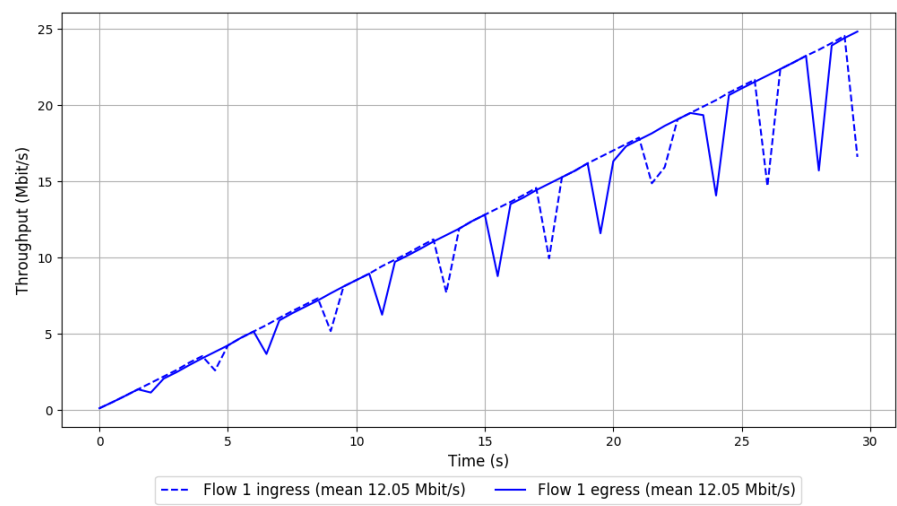
-- Flow 1:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 88.028 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-17 08:37:09

End at: 2018-04-17 08:37:39

Below is generated by plot.py at 2018-04-17 11:23:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 86.636 ms

Loss rate: 0.00%

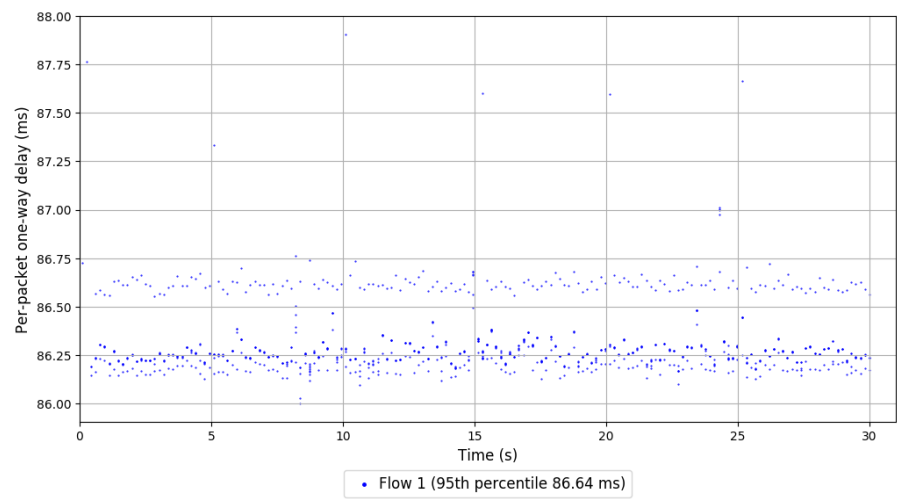
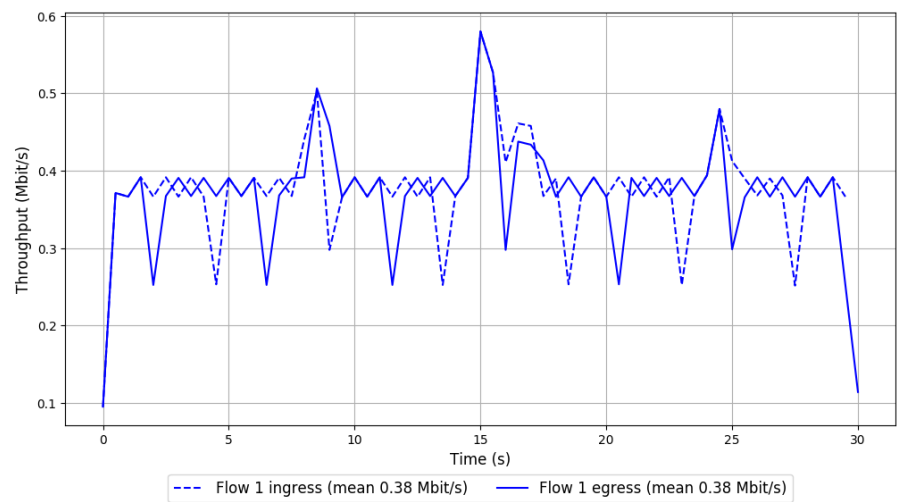
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 86.636 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-17 08:50:45

End at: 2018-04-17 08:51:15

Below is generated by plot.py at 2018-04-17 11:23:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 87.468 ms

Loss rate: 0.00%

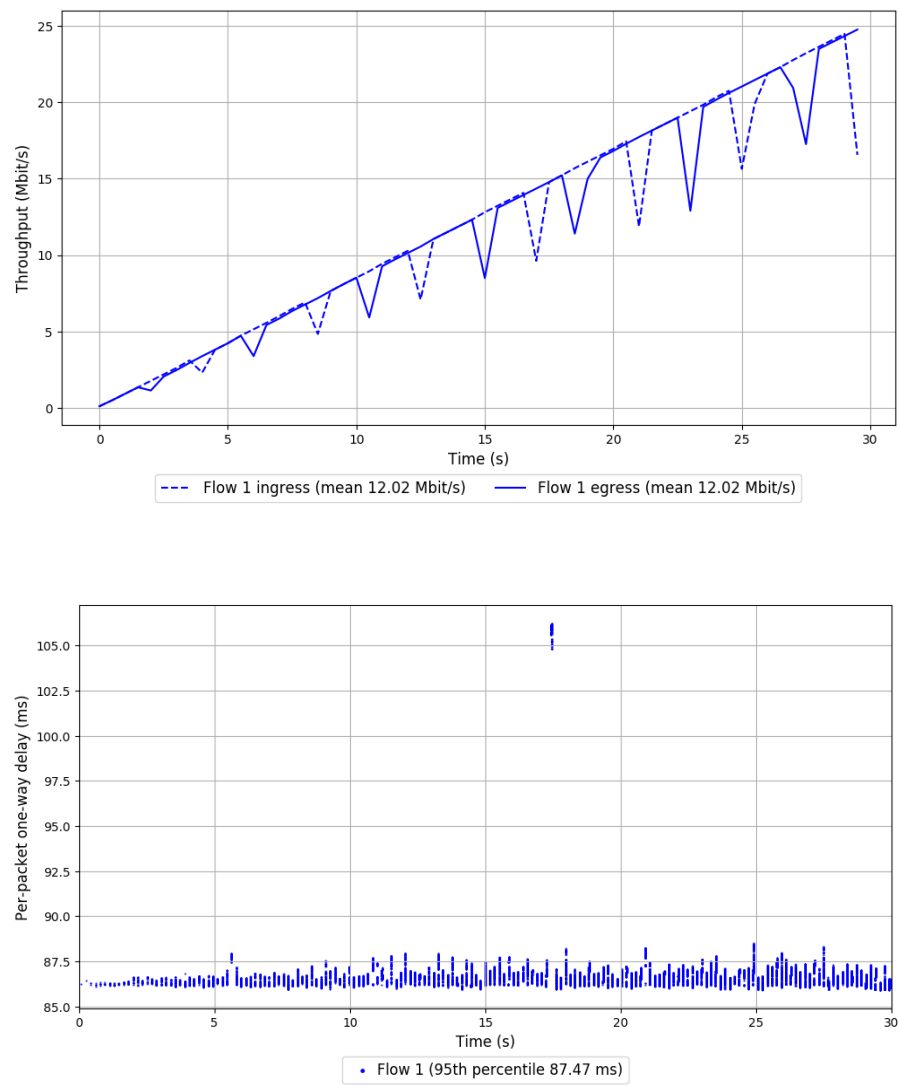
-- Flow 1:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 87.468 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-17 09:04:20

End at: 2018-04-17 09:04:50

Below is generated by plot.py at 2018-04-17 11:23:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 87.418 ms

Loss rate: 0.00%

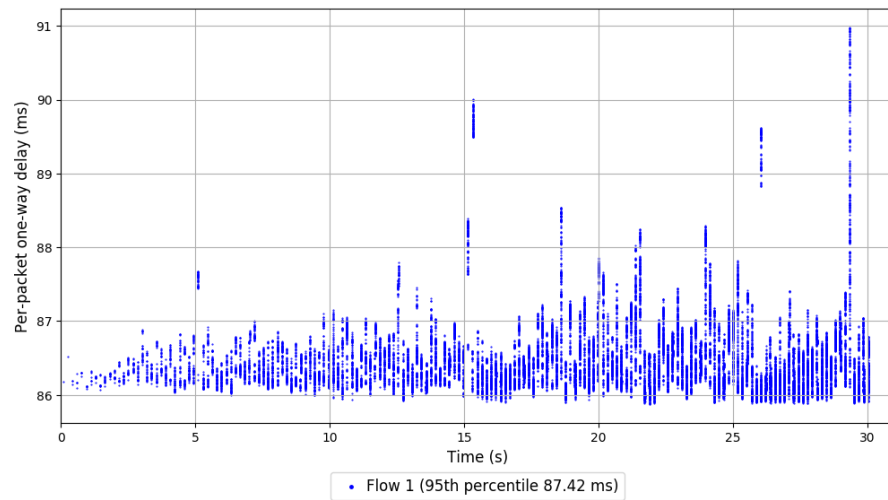
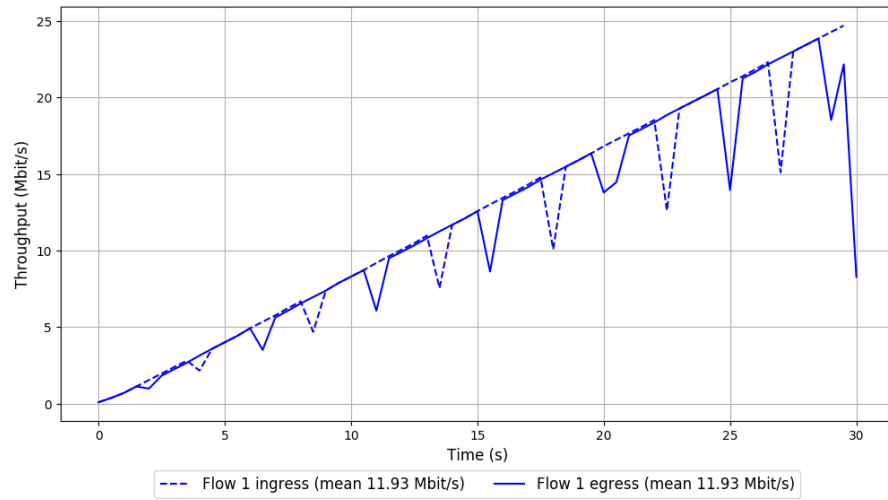
-- Flow 1:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 87.418 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-17 09:17:54

End at: 2018-04-17 09:18:24

Below is generated by plot.py at 2018-04-17 11:23:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 87.580 ms

Loss rate: 0.00%

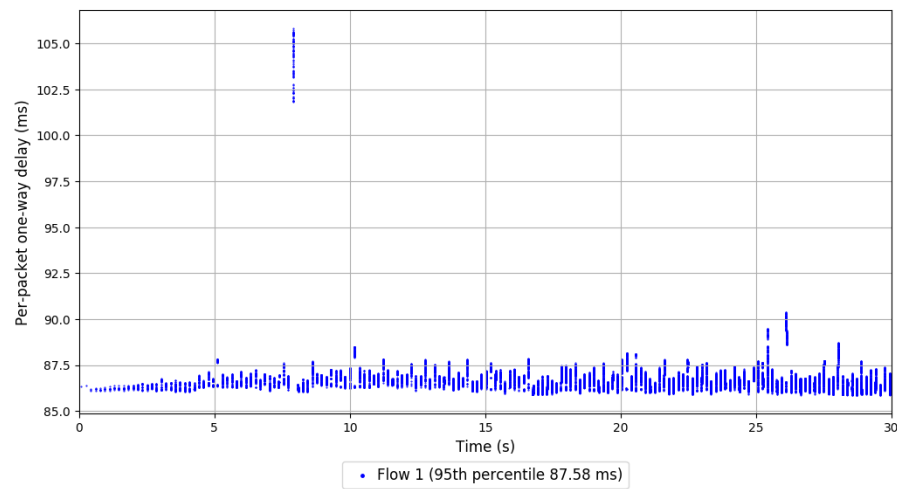
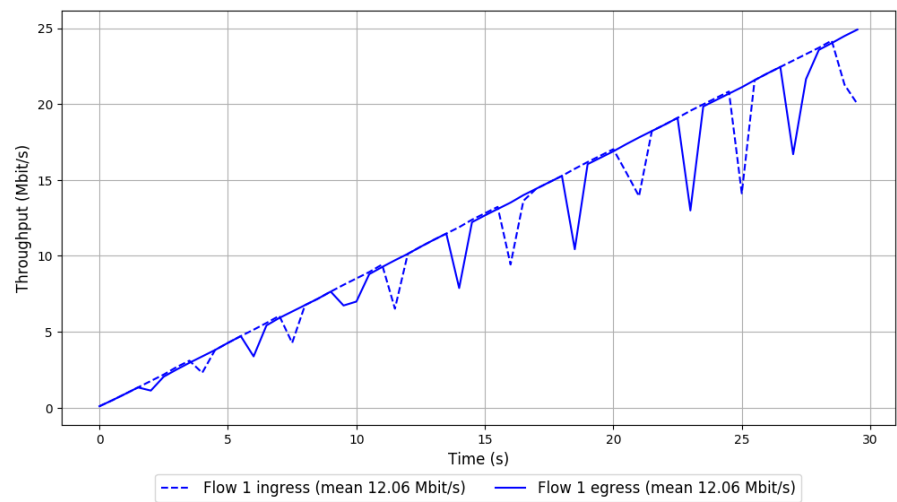
-- Flow 1:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 87.580 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-17 09:31:21

End at: 2018-04-17 09:31:51

Below is generated by plot.py at 2018-04-17 11:23:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.12 Mbit/s

95th percentile per-packet one-way delay: 87.406 ms

Loss rate: 0.00%

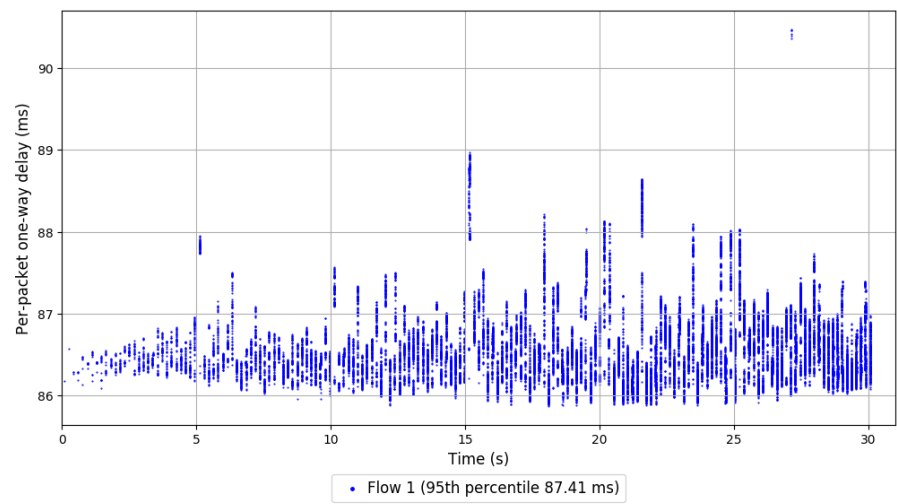
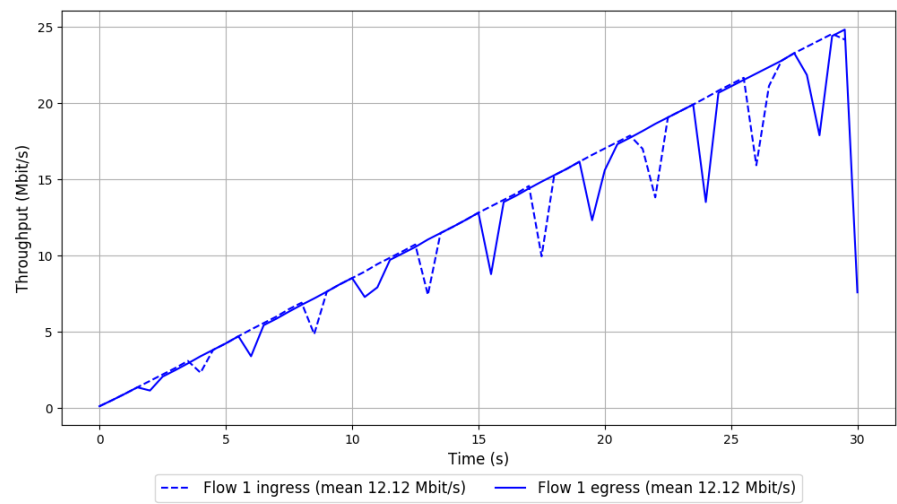
-- Flow 1:

Average throughput: 12.12 Mbit/s

95th percentile per-packet one-way delay: 87.406 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-17 09:44:46

End at: 2018-04-17 09:45:16

Below is generated by plot.py at 2018-04-17 11:23:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.19 Mbit/s

95th percentile per-packet one-way delay: 87.296 ms

Loss rate: 0.00%

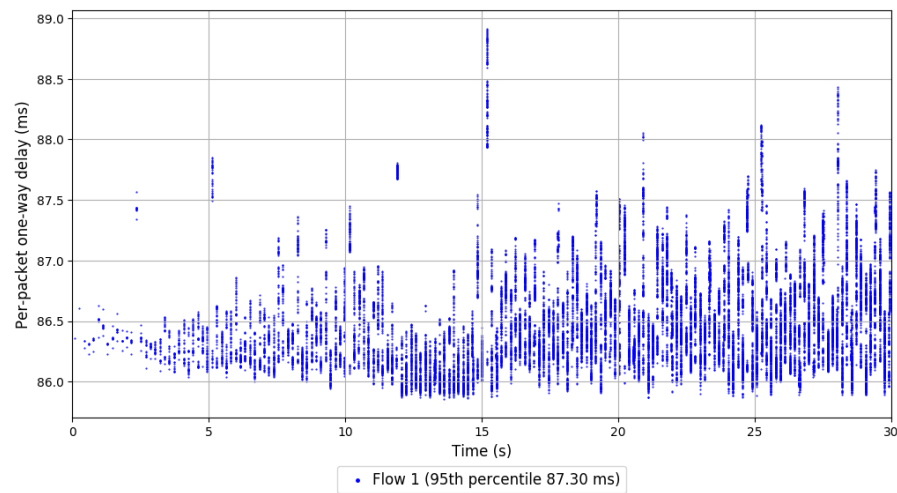
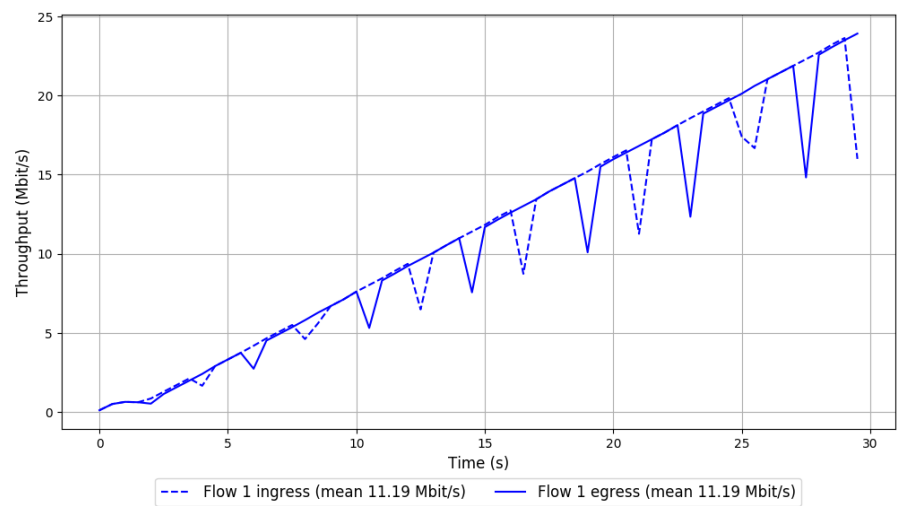
-- Flow 1:

Average throughput: 11.19 Mbit/s

95th percentile per-packet one-way delay: 87.296 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-17 09:58:00

End at: 2018-04-17 09:58:30

Below is generated by plot.py at 2018-04-17 11:23:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 86.512 ms

Loss rate: 0.00%

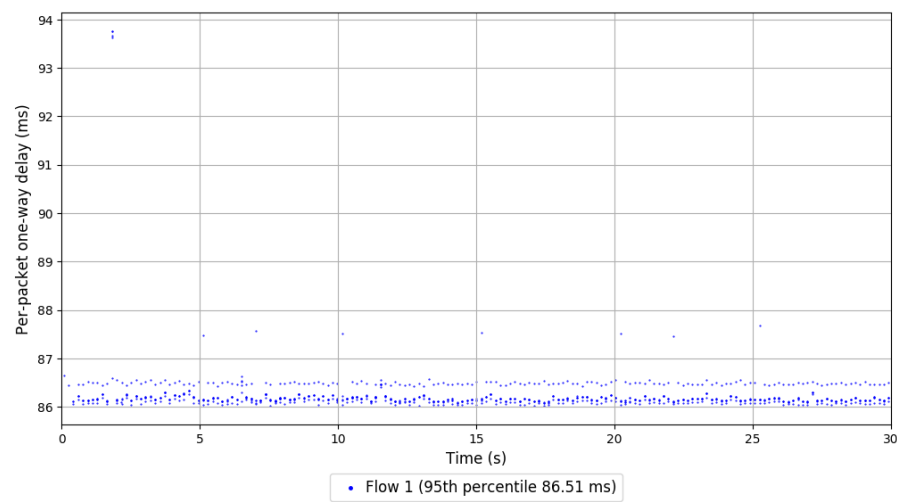
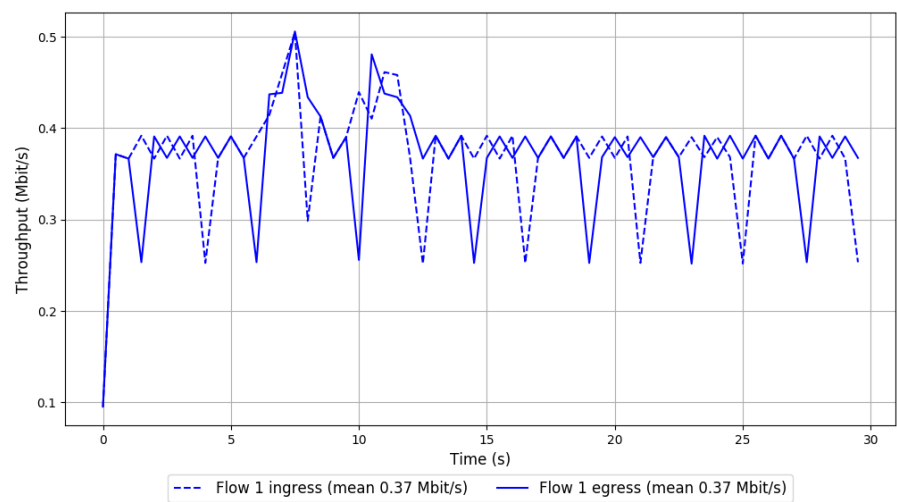
-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 86.512 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

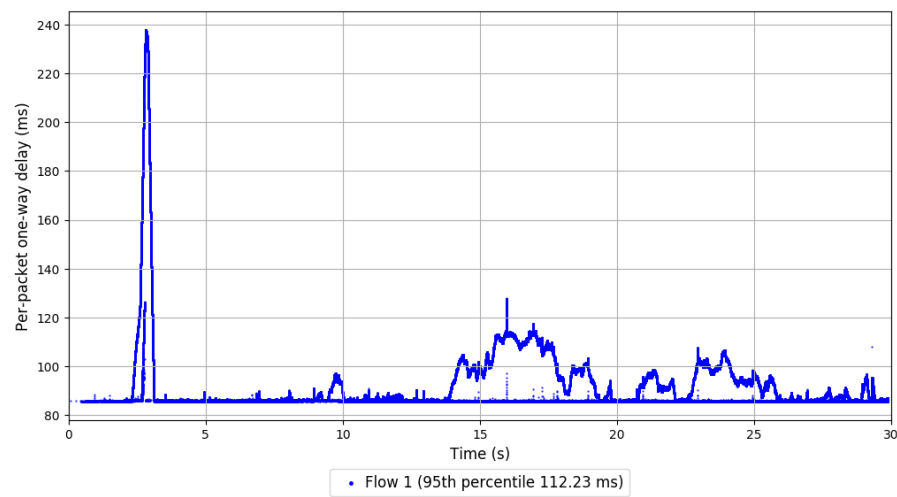
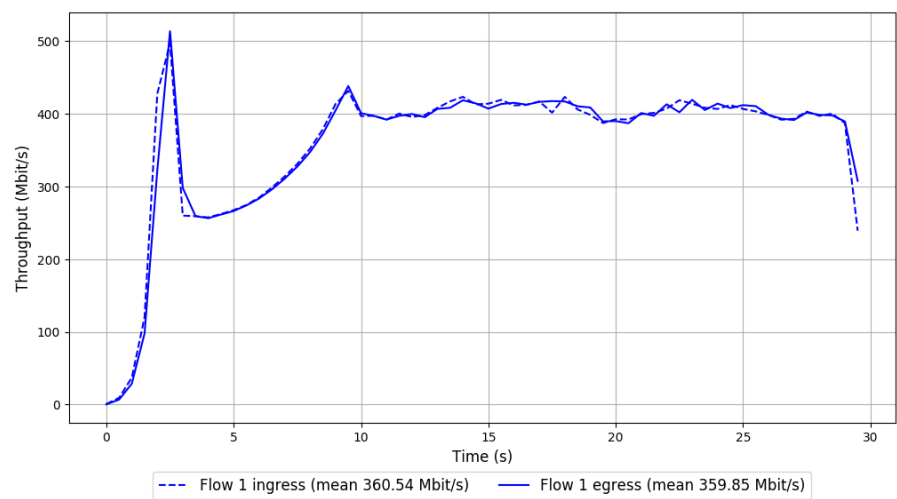


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 07:53:27
End at: 2018-04-17 07:53:57

# Below is generated by plot.py at 2018-04-17 11:28:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 359.85 Mbit/s
95th percentile per-packet one-way delay: 112.235 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 359.85 Mbit/s
95th percentile per-packet one-way delay: 112.235 ms
Loss rate: 0.19%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

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

End at: 2018-04-17 08:07:26

Below is generated by plot.py at 2018-04-17 11:29:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.33 Mbit/s

95th percentile per-packet one-way delay: 97.681 ms

Loss rate: 0.09%

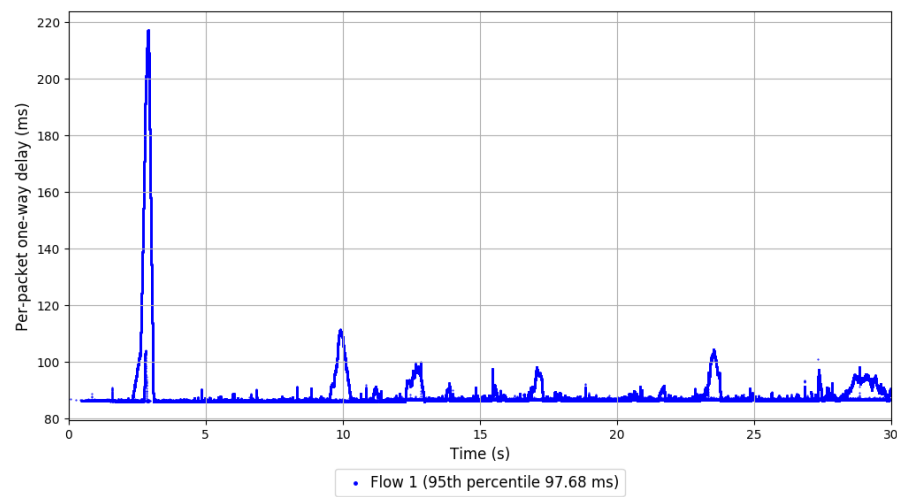
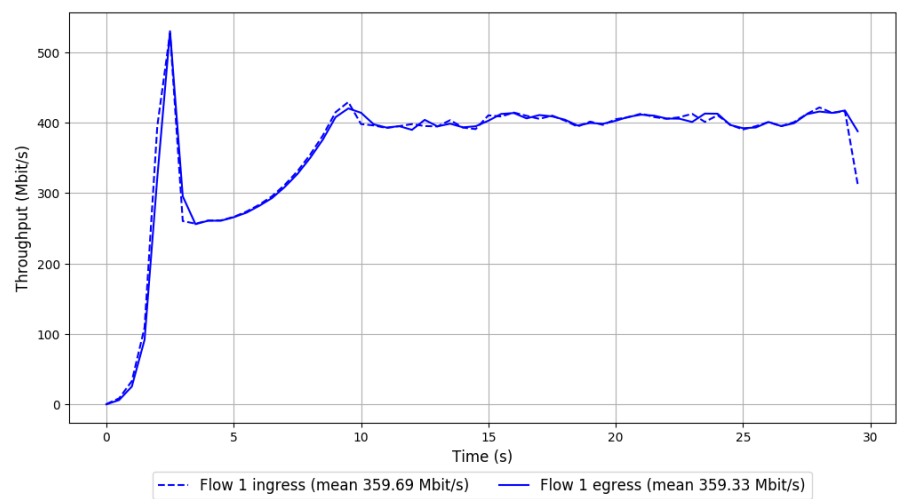
-- Flow 1:

Average throughput: 359.33 Mbit/s

95th percentile per-packet one-way delay: 97.681 ms

Loss rate: 0.09%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 08:20:29

End at: 2018-04-17 08:20:59

Below is generated by plot.py at 2018-04-17 11:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.19 Mbit/s

95th percentile per-packet one-way delay: 107.939 ms

Loss rate: 0.21%

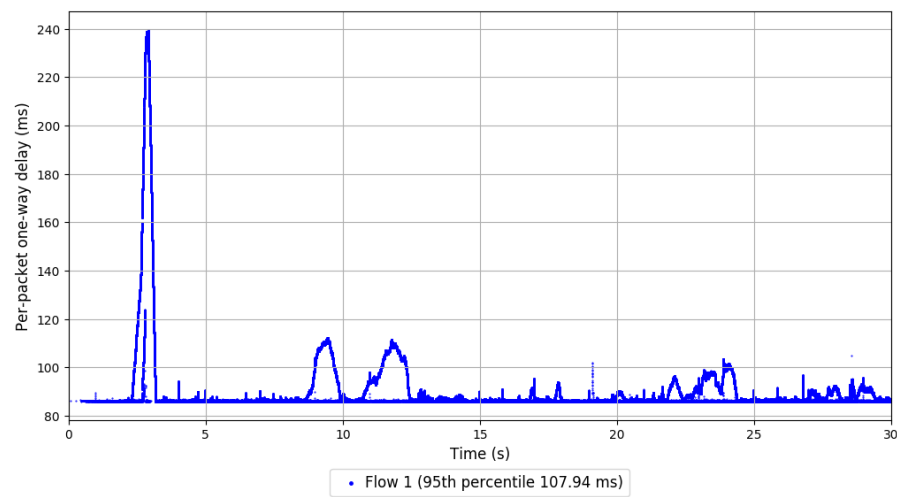
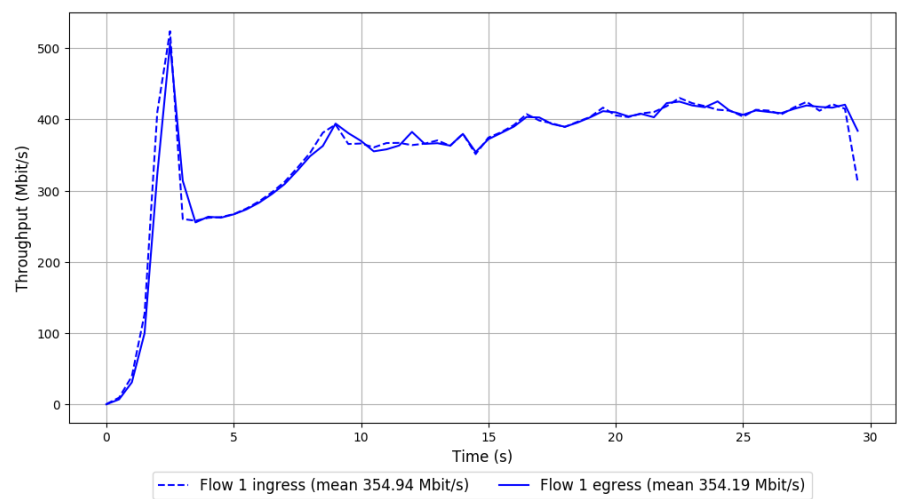
-- Flow 1:

Average throughput: 354.19 Mbit/s

95th percentile per-packet one-way delay: 107.939 ms

Loss rate: 0.21%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

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

End at: 2018-04-17 08:34:36

Below is generated by plot.py at 2018-04-17 11:29:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.61 Mbit/s

95th percentile per-packet one-way delay: 113.219 ms

Loss rate: 0.21%

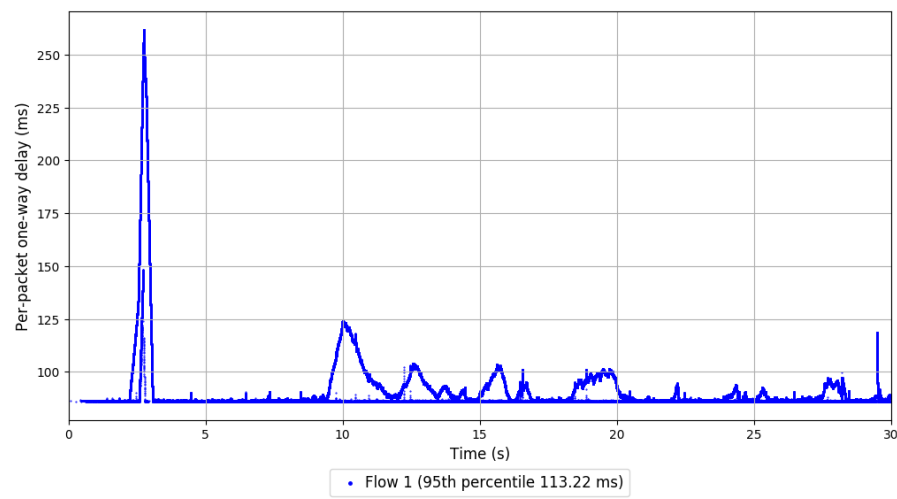
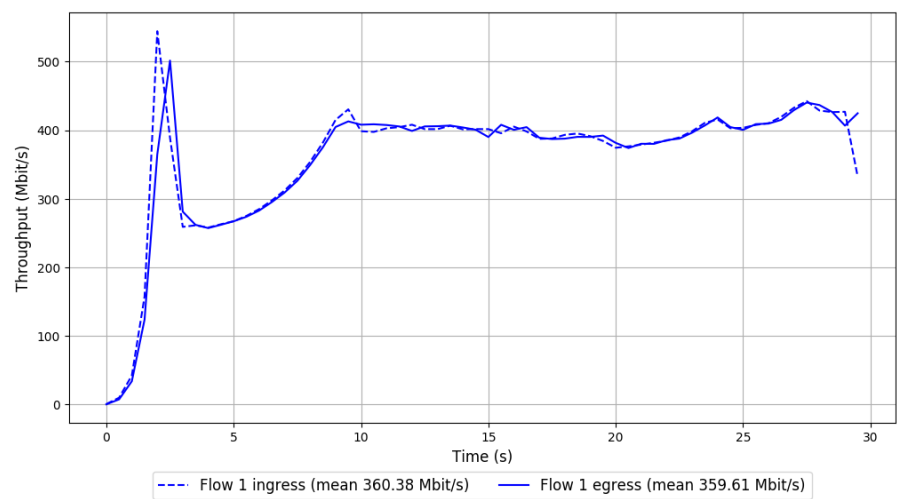
-- Flow 1:

Average throughput: 359.61 Mbit/s

95th percentile per-packet one-way delay: 113.219 ms

Loss rate: 0.21%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 08:47:36

End at: 2018-04-17 08:48:06

Below is generated by plot.py at 2018-04-17 11:29:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.91 Mbit/s

95th percentile per-packet one-way delay: 131.575 ms

Loss rate: 0.28%

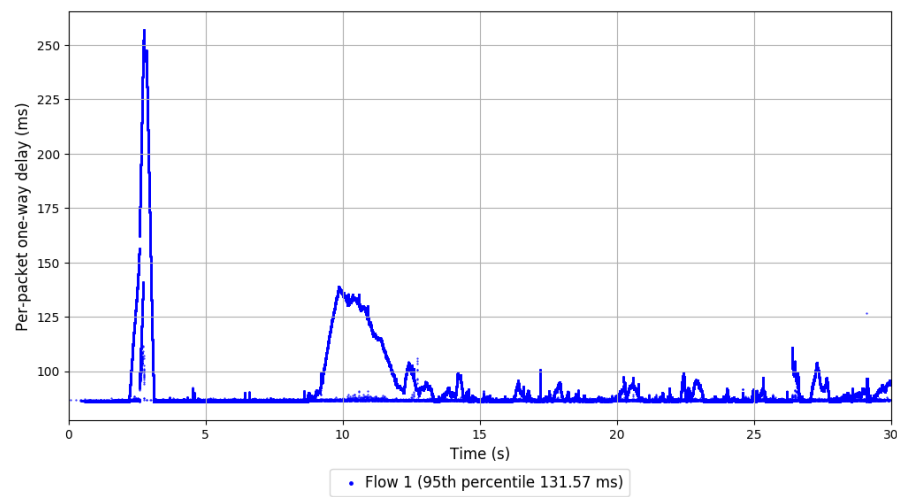
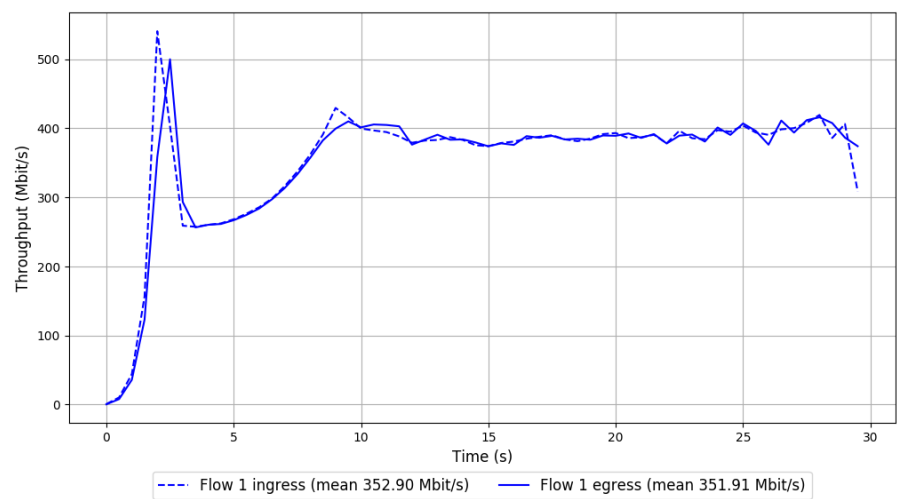
-- Flow 1:

Average throughput: 351.91 Mbit/s

95th percentile per-packet one-way delay: 131.575 ms

Loss rate: 0.28%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 09:01:16

End at: 2018-04-17 09:01:46

Below is generated by plot.py at 2018-04-17 11:29:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.61 Mbit/s

95th percentile per-packet one-way delay: 108.202 ms

Loss rate: 0.21%

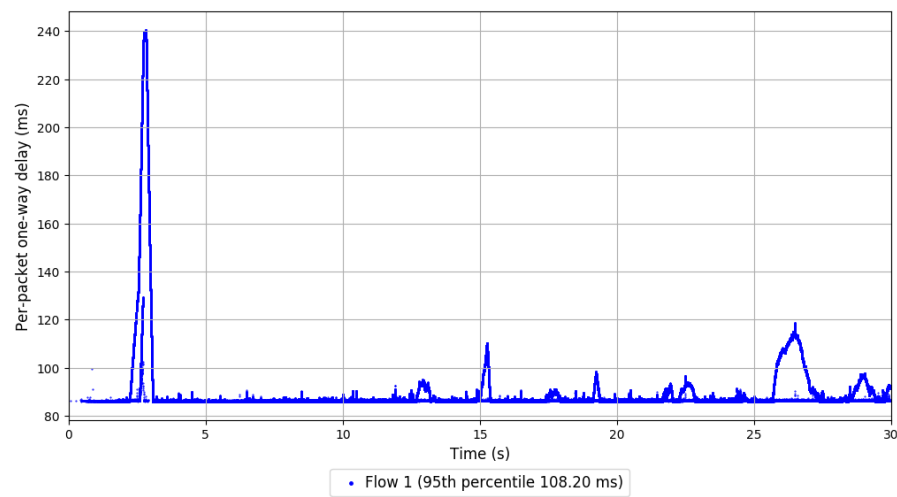
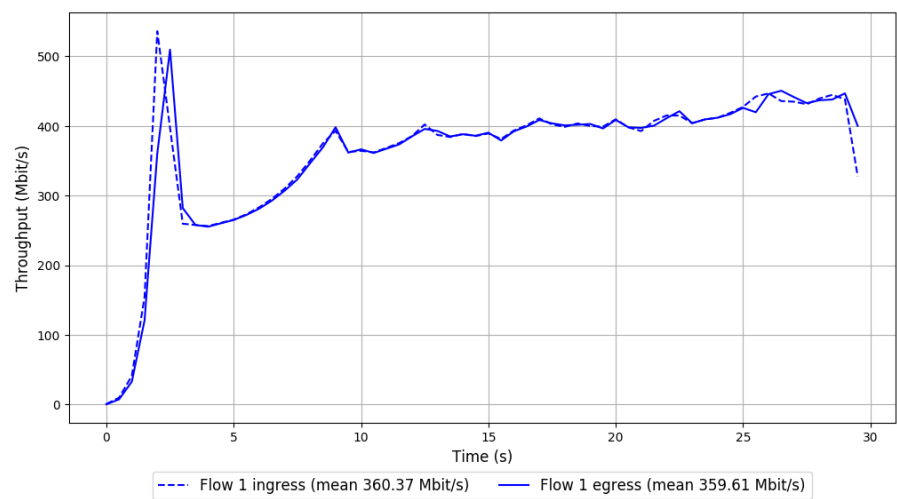
-- Flow 1:

Average throughput: 359.61 Mbit/s

95th percentile per-packet one-way delay: 108.202 ms

Loss rate: 0.21%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 09:14:52

End at: 2018-04-17 09:15:22

Below is generated by plot.py at 2018-04-17 11:30:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.33 Mbit/s

95th percentile per-packet one-way delay: 104.988 ms

Loss rate: 0.15%

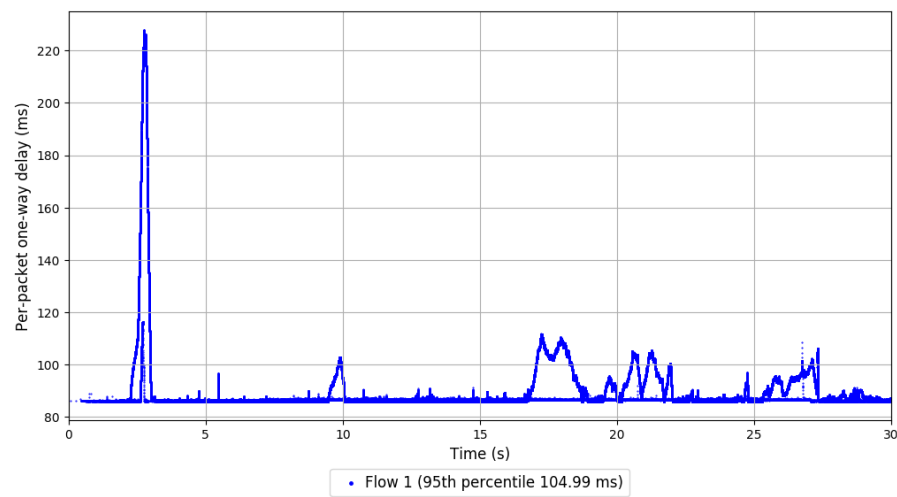
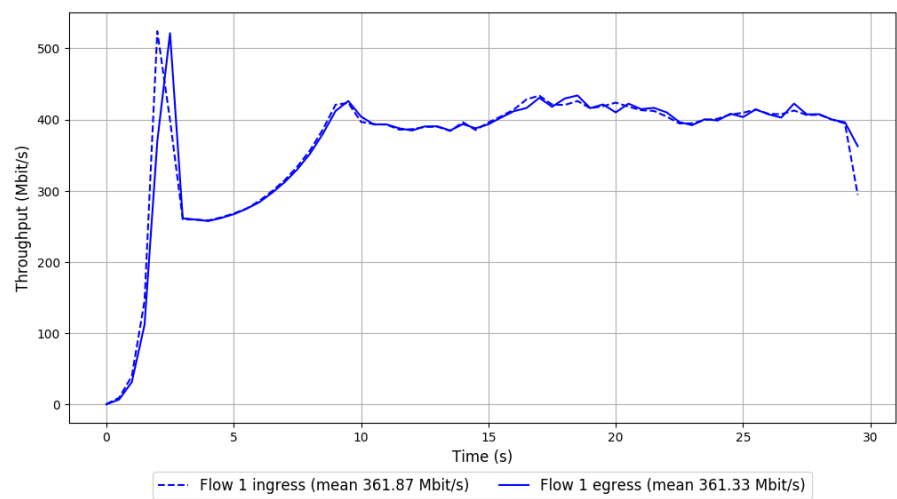
-- Flow 1:

Average throughput: 361.33 Mbit/s

95th percentile per-packet one-way delay: 104.988 ms

Loss rate: 0.15%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 09:28:12

End at: 2018-04-17 09:28:42

Below is generated by plot.py at 2018-04-17 11:30:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.24 Mbit/s

95th percentile per-packet one-way delay: 143.582 ms

Loss rate: 0.14%

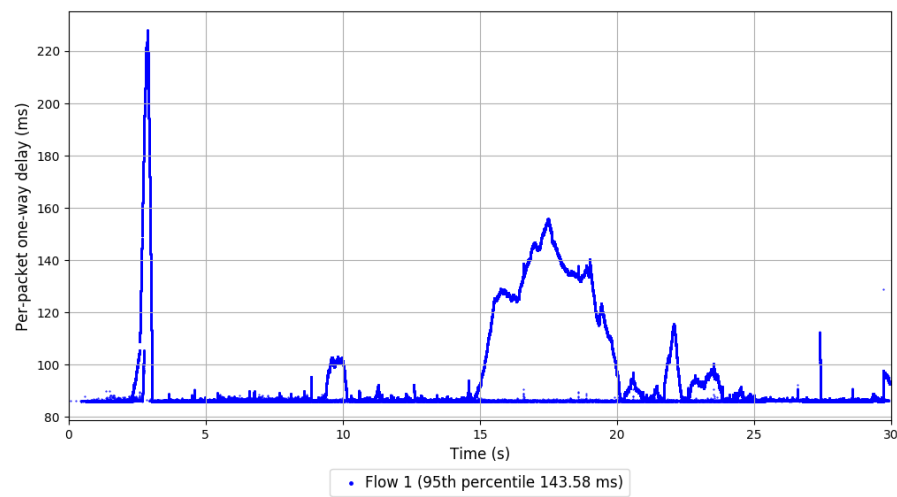
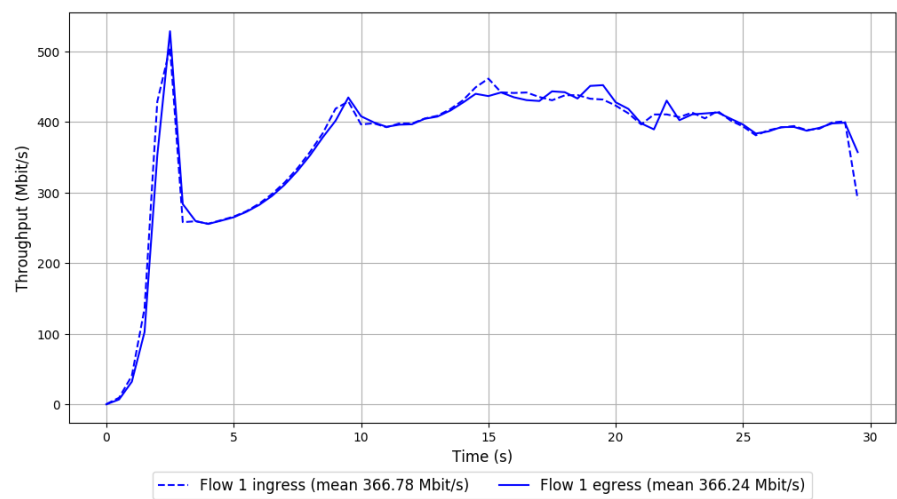
-- Flow 1:

Average throughput: 366.24 Mbit/s

95th percentile per-packet one-way delay: 143.582 ms

Loss rate: 0.14%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 09:41:43

End at: 2018-04-17 09:42:13

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.13 Mbit/s

95th percentile per-packet one-way delay: 124.295 ms

Loss rate: 0.13%

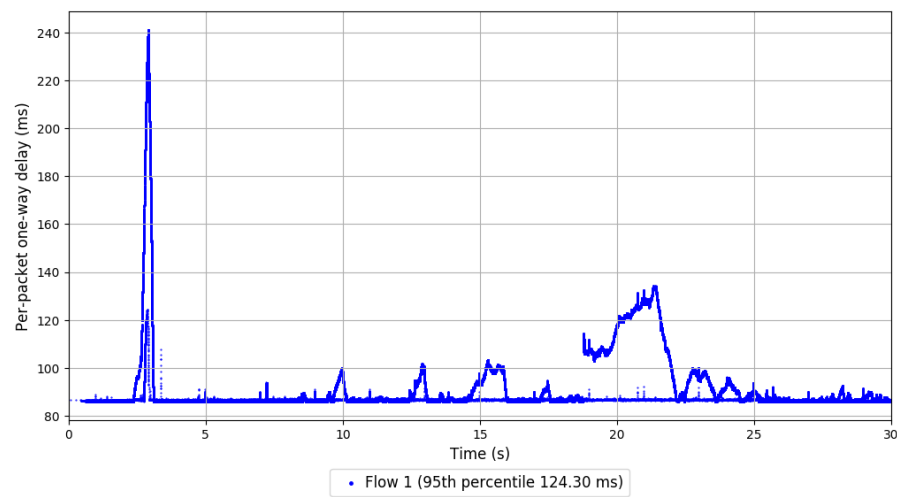
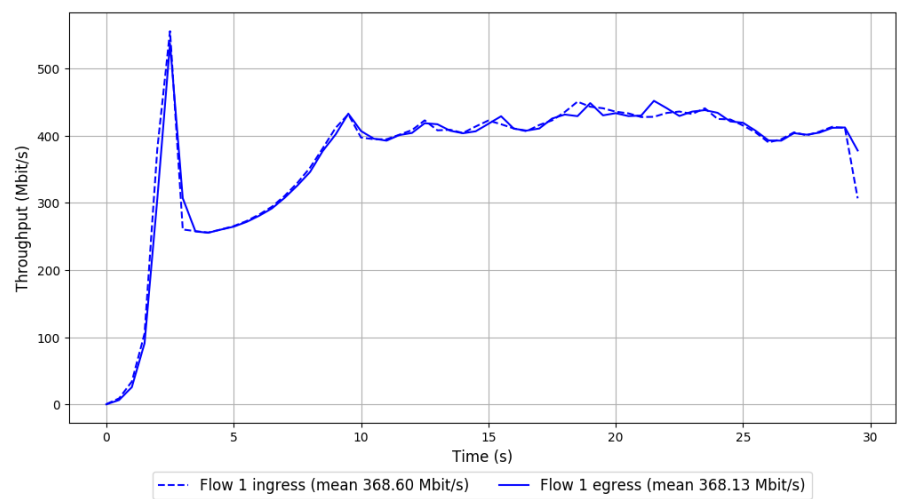
-- Flow 1:

Average throughput: 368.13 Mbit/s

95th percentile per-packet one-way delay: 124.295 ms

Loss rate: 0.13%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 09:54:57

End at: 2018-04-17 09:55:27

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.96 Mbit/s

95th percentile per-packet one-way delay: 94.780 ms

Loss rate: 0.27%

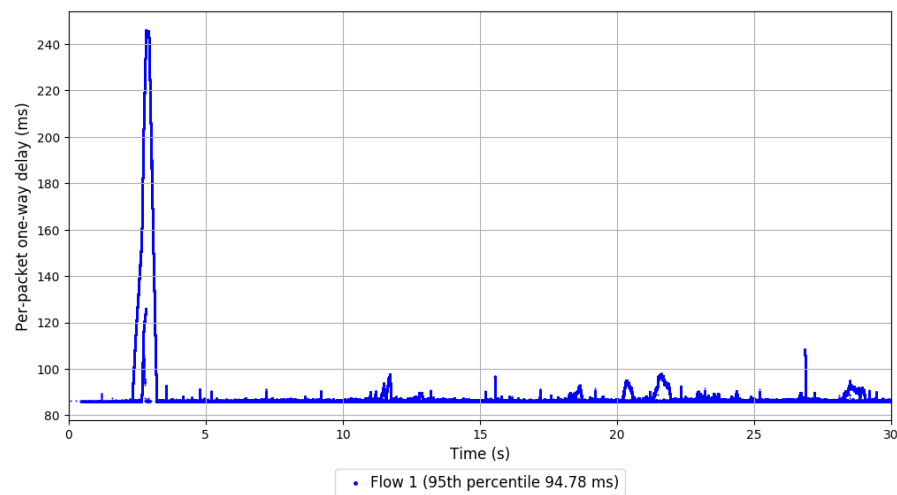
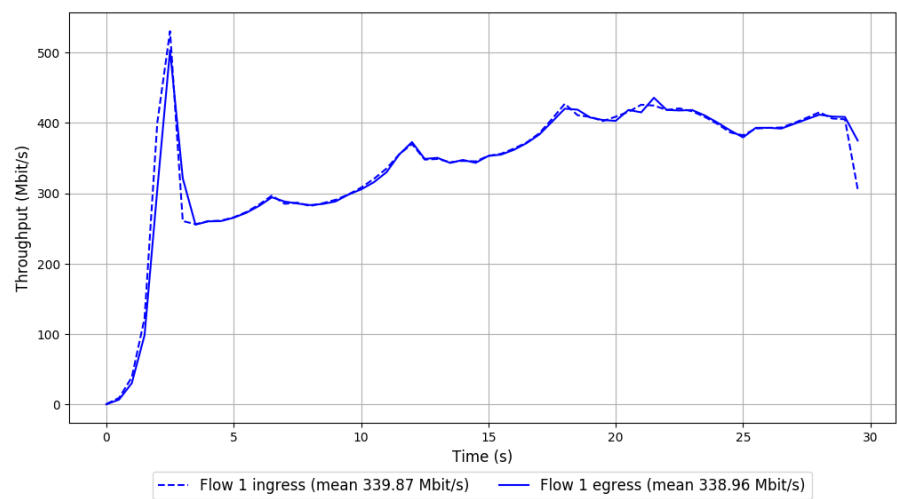
-- Flow 1:

Average throughput: 338.96 Mbit/s

95th percentile per-packet one-way delay: 94.780 ms

Loss rate: 0.27%

Run 10: Report of PCC-Allegro — Data Link

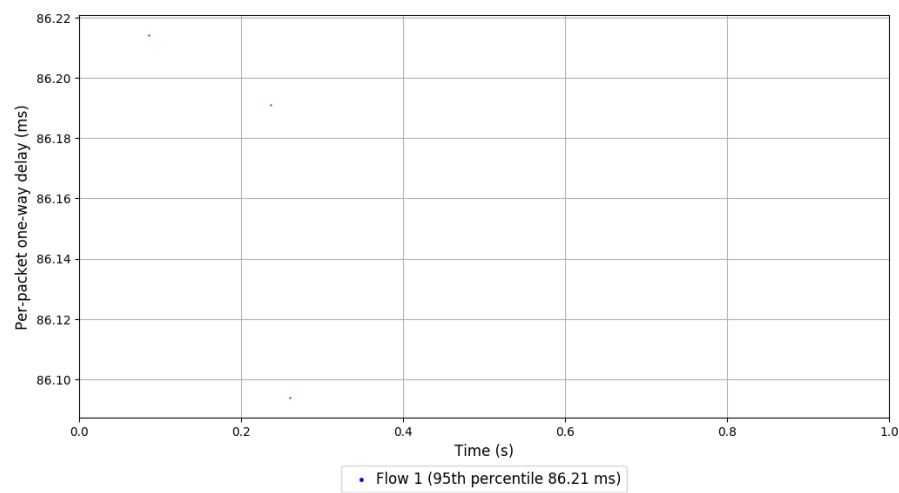
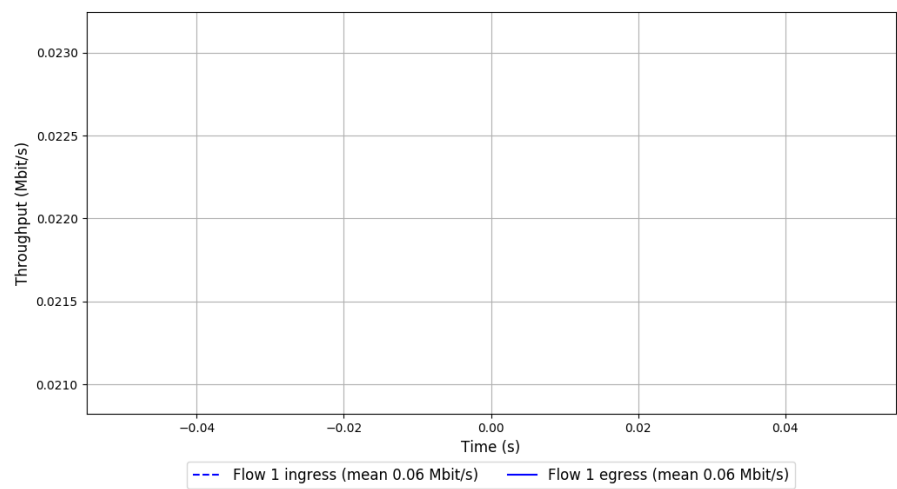


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 07:59:04

End at: 2018-04-17 07:59:34

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 08:12:29

End at: 2018-04-17 08:12:59

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.08 Mbit/s

95th percentile per-packet one-way delay: 86.492 ms

Loss rate: 0.00%

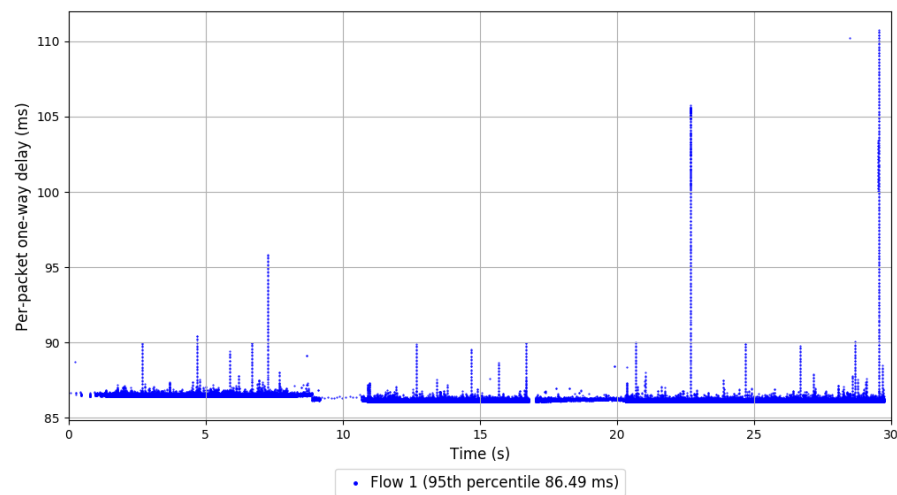
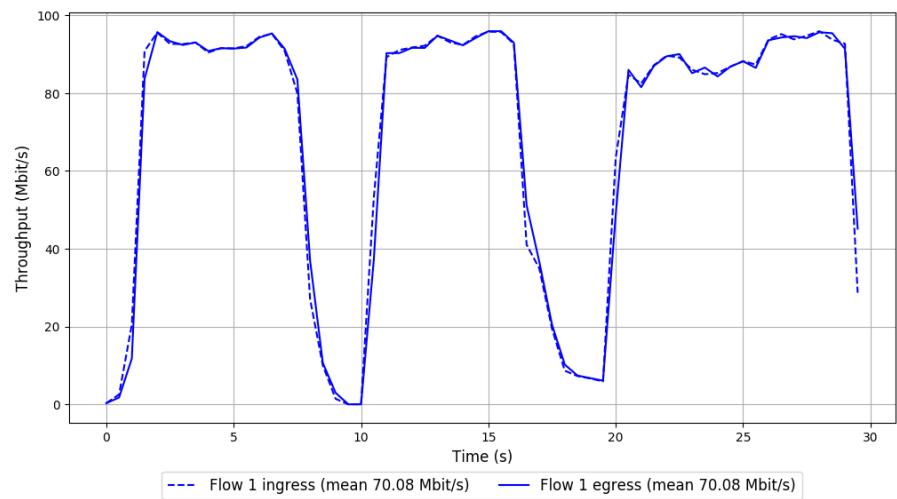
-- Flow 1:

Average throughput: 70.08 Mbit/s

95th percentile per-packet one-way delay: 86.492 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 08:26:02

End at: 2018-04-17 08:26:32

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.07 Mbit/s

95th percentile per-packet one-way delay: 86.048 ms

Loss rate: 0.00%

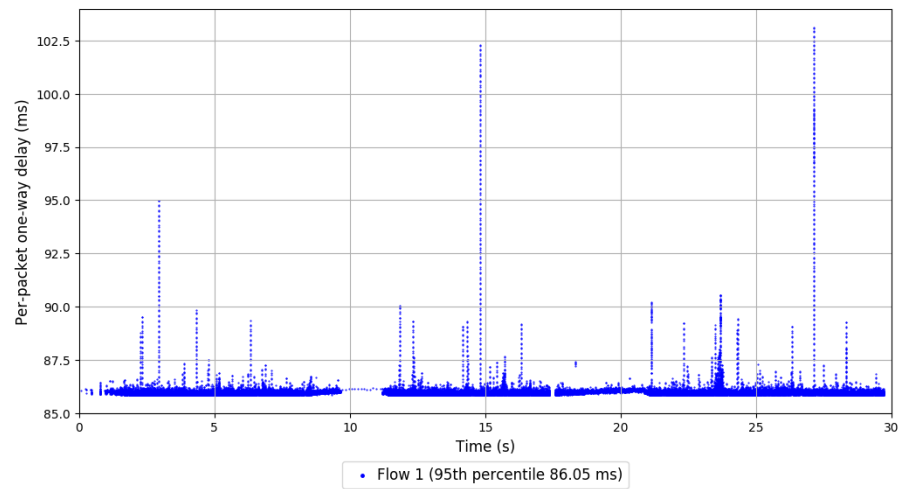
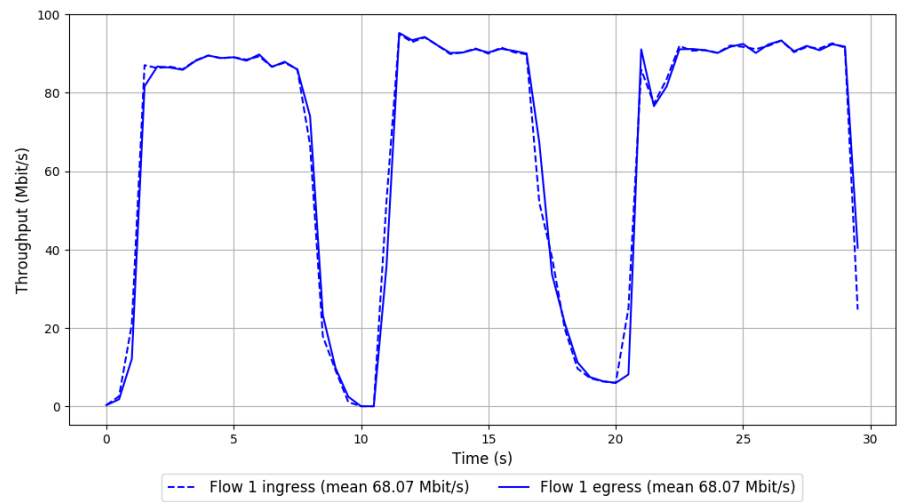
-- Flow 1:

Average throughput: 68.07 Mbit/s

95th percentile per-packet one-way delay: 86.048 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 08:39:32

End at: 2018-04-17 08:40:02

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.71 Mbit/s

95th percentile per-packet one-way delay: 86.287 ms

Loss rate: 0.00%

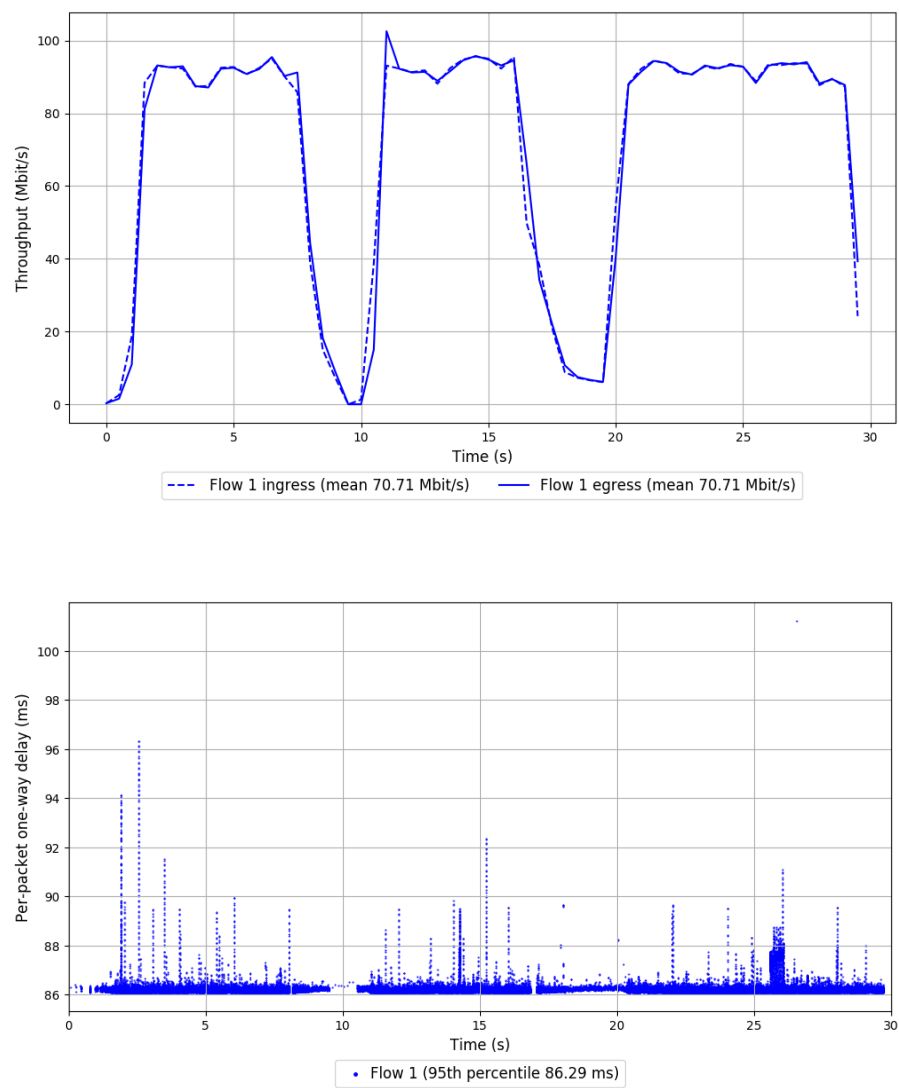
-- Flow 1:

Average throughput: 70.71 Mbit/s

95th percentile per-packet one-way delay: 86.287 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 08:53:10

End at: 2018-04-17 08:53:40

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.39 Mbit/s

95th percentile per-packet one-way delay: 86.115 ms

Loss rate: 0.00%

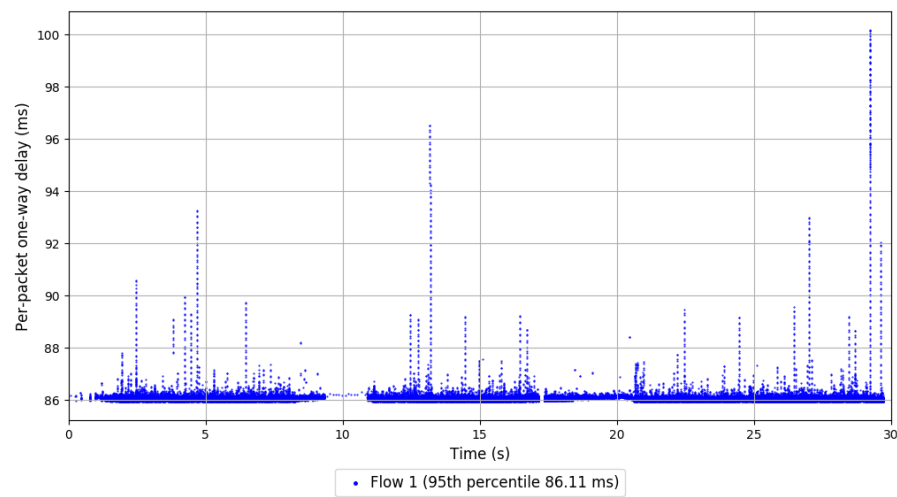
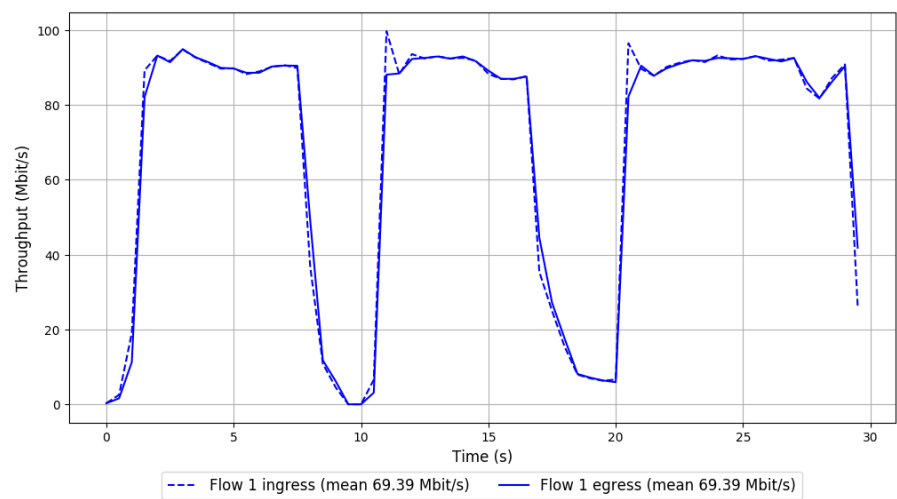
-- Flow 1:

Average throughput: 69.39 Mbit/s

95th percentile per-packet one-way delay: 86.115 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 09:06:49

End at: 2018-04-17 09:07:19

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.71 Mbit/s

95th percentile per-packet one-way delay: 86.156 ms

Loss rate: 0.00%

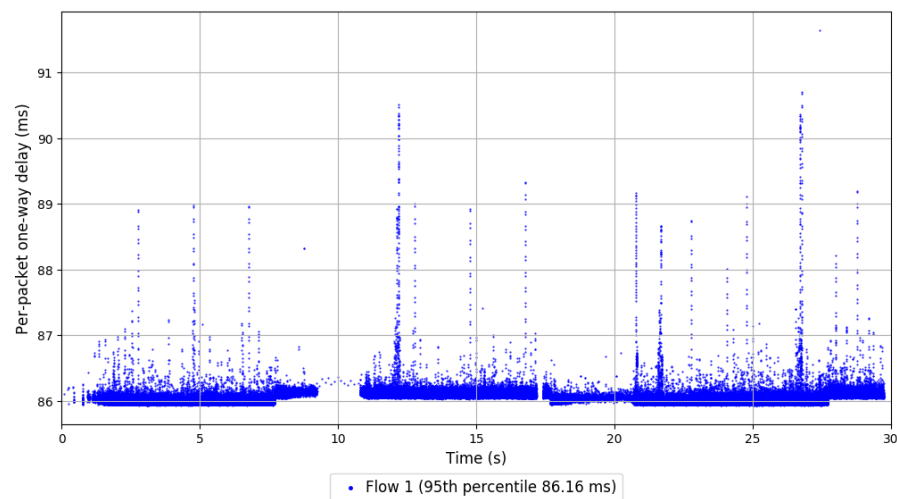
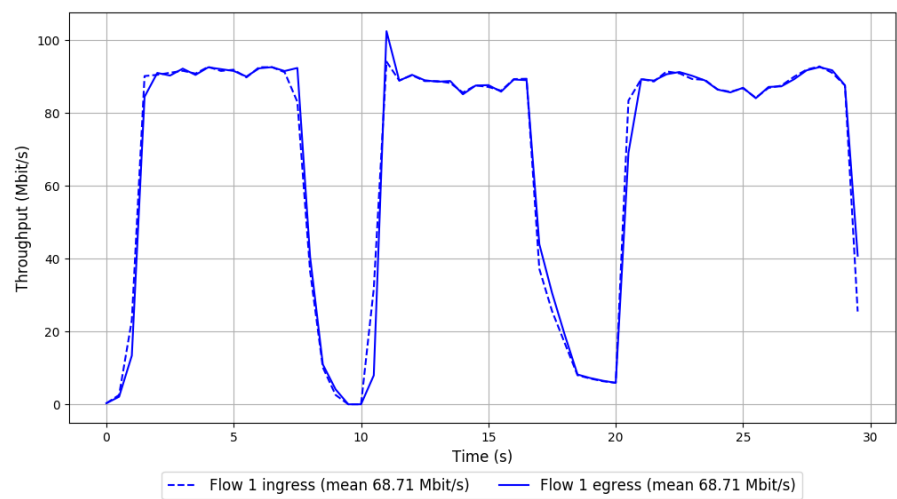
-- Flow 1:

Average throughput: 68.71 Mbit/s

95th percentile per-packet one-way delay: 86.156 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 09:20:24

End at: 2018-04-17 09:20:54

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 86.189 ms

Loss rate: 0.00%

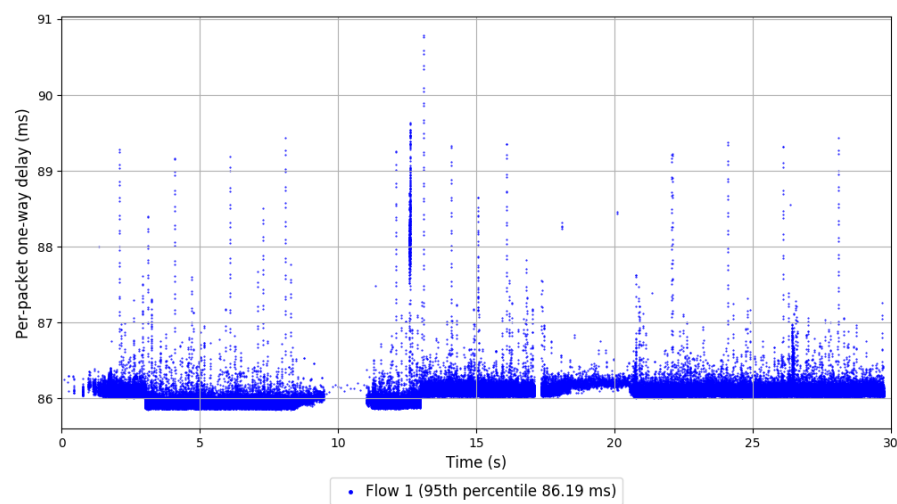
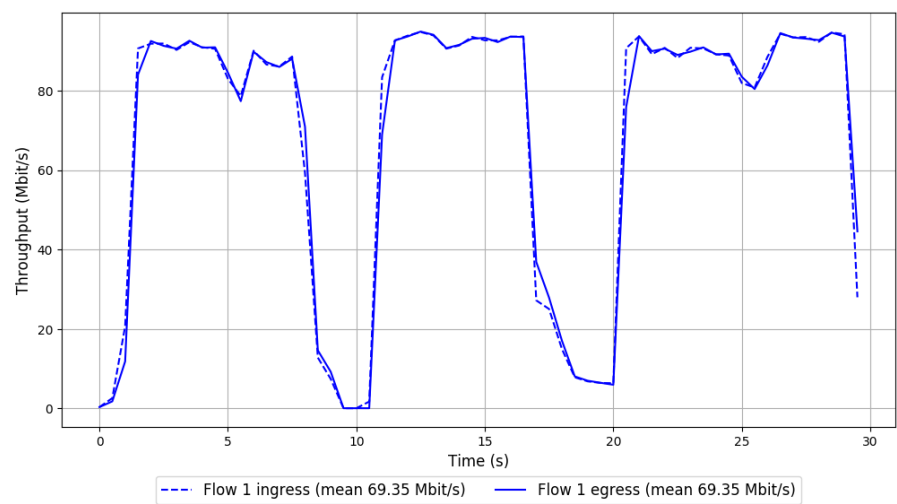
-- Flow 1:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 86.189 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 09:33:48

End at: 2018-04-17 09:34:18

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.81 Mbit/s

95th percentile per-packet one-way delay: 86.529 ms

Loss rate: 0.00%

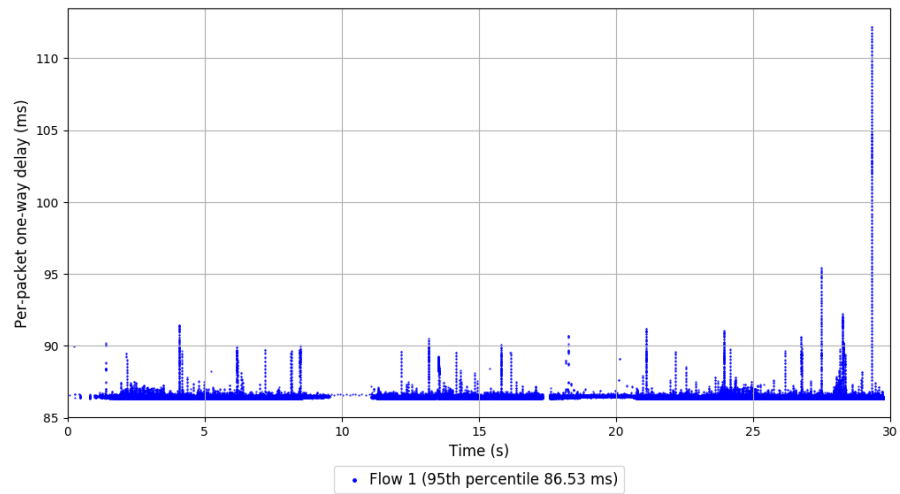
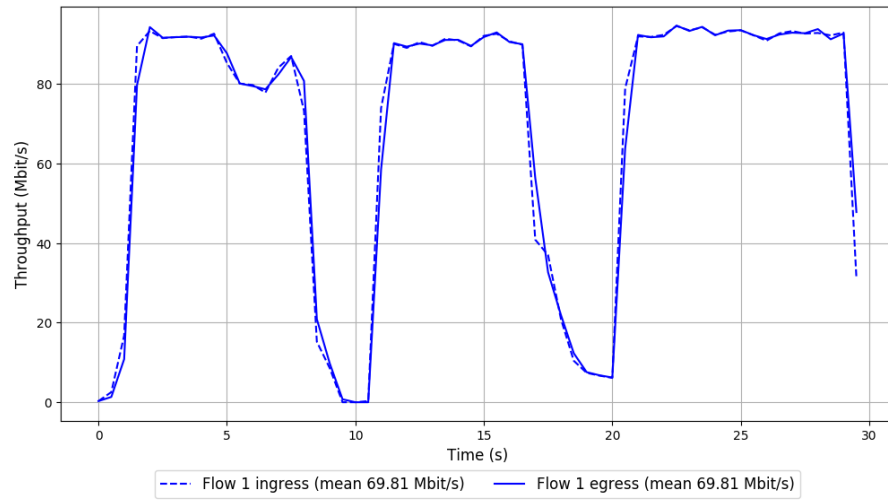
-- Flow 1:

Average throughput: 69.81 Mbit/s

95th percentile per-packet one-way delay: 86.529 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 09:47:15

End at: 2018-04-17 09:47:45

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.13 Mbit/s

95th percentile per-packet one-way delay: 86.161 ms

Loss rate: 0.00%

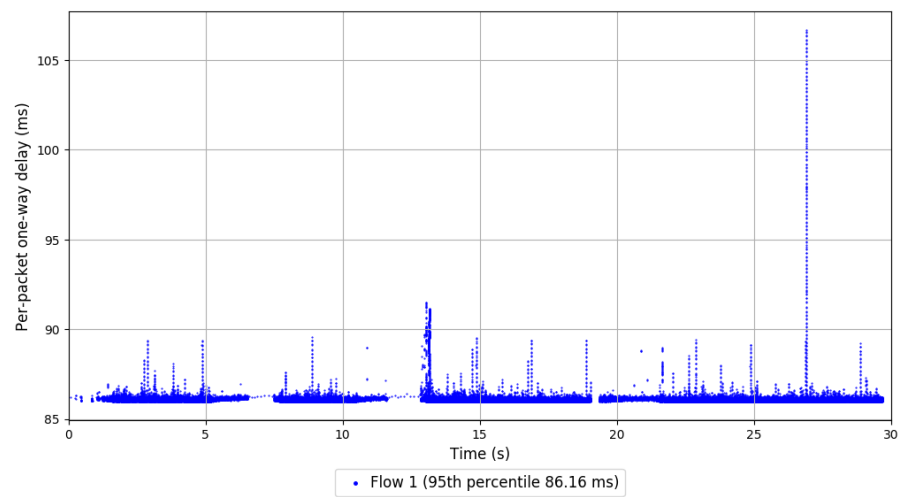
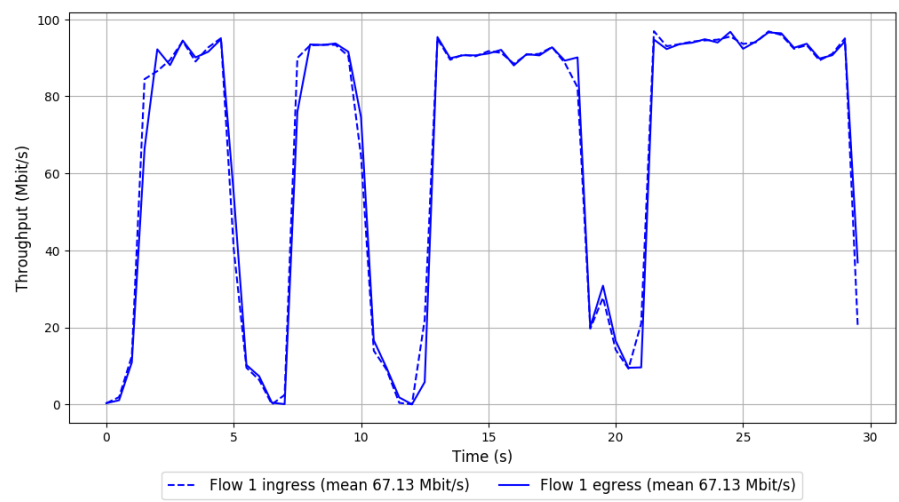
-- Flow 1:

Average throughput: 67.13 Mbit/s

95th percentile per-packet one-way delay: 86.161 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

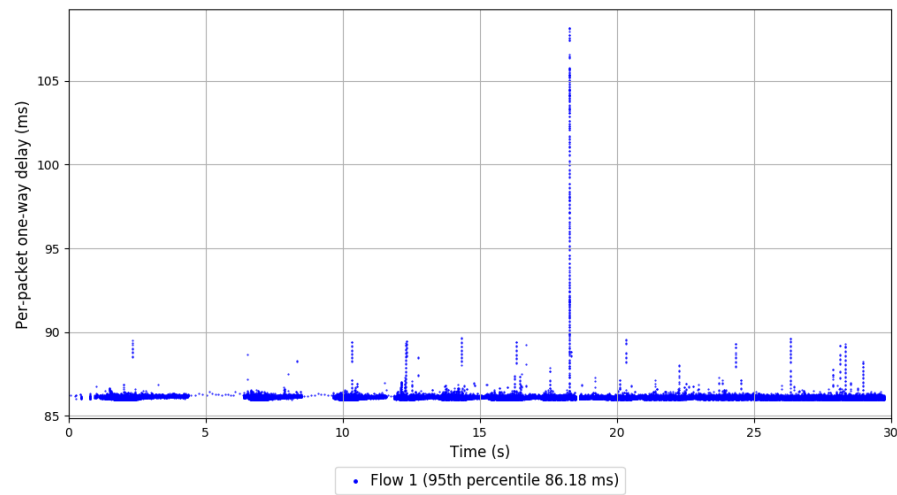
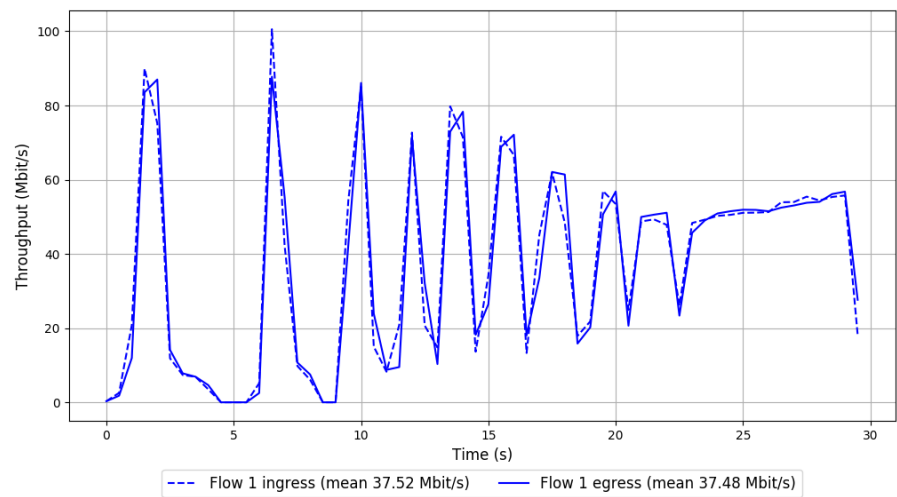


```
Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 10:00:28
End at: 2018-04-17 10:00:58

# Below is generated by plot.py at 2018-04-17 11:34:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 86.177 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 86.177 ms
Loss rate: 0.09%
```

Run 10: Report of QUIC Cubic — Data Link

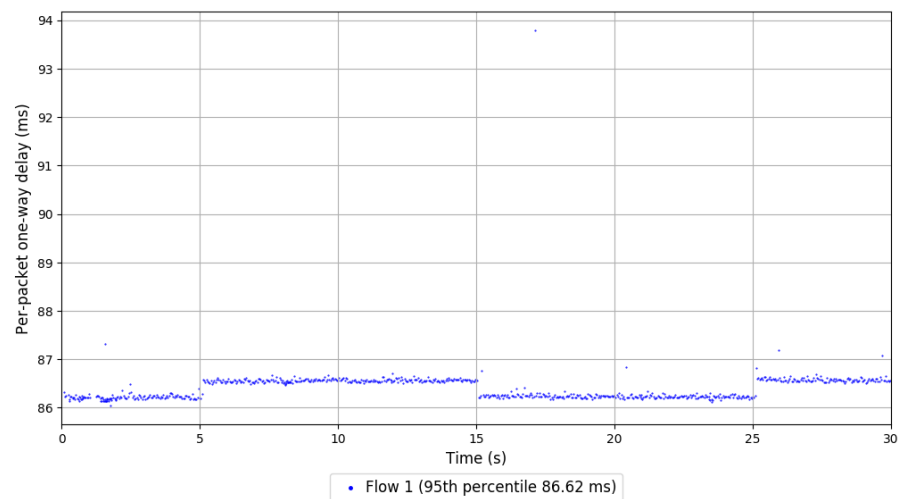
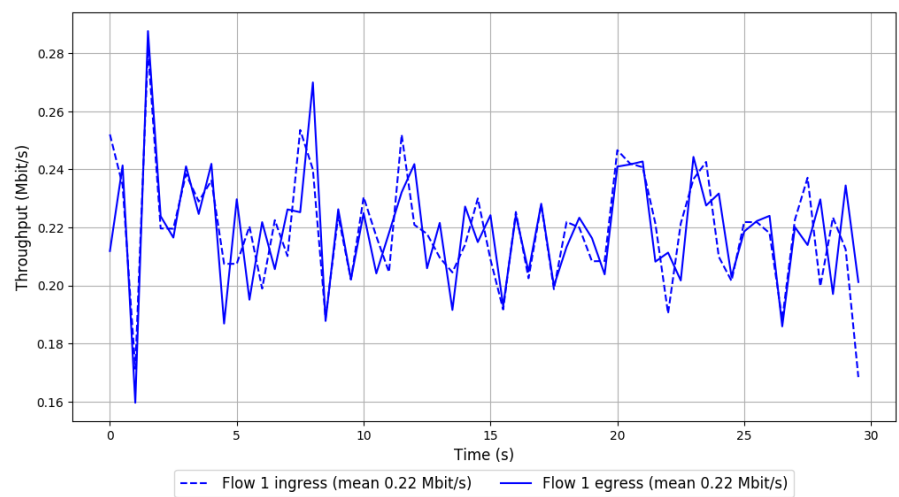


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 08:00:52
End at: 2018-04-17 08:01:22

# Below is generated by plot.py at 2018-04-17 11:34:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.618 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

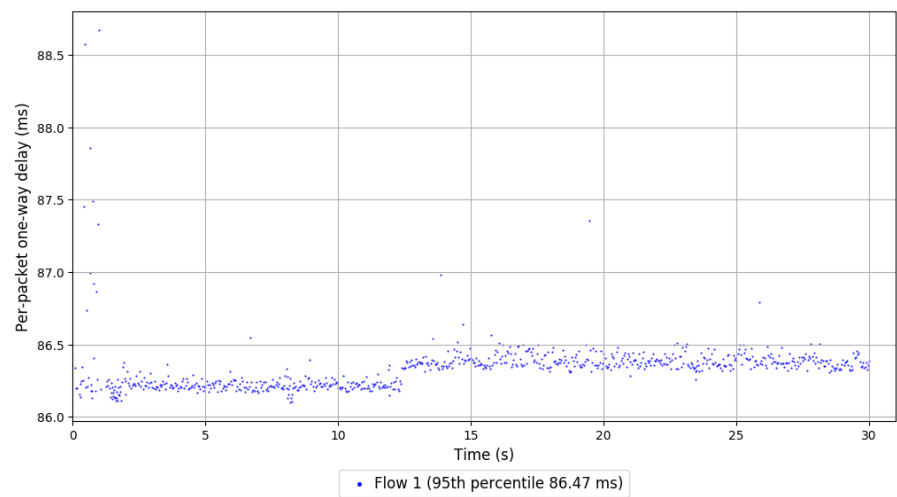
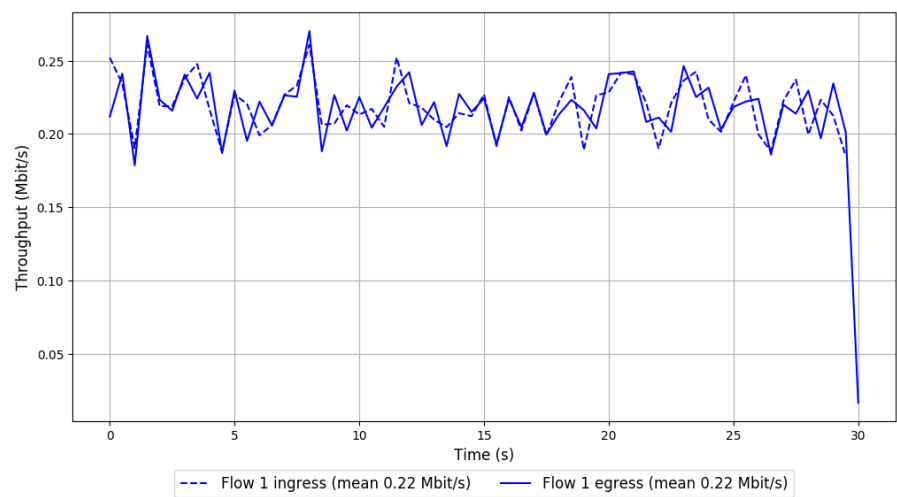


```
Run 2: Statistics of SCReAM

Start at: 2018-04-17 08:14:16
End at: 2018-04-17 08:14:46

# Below is generated by plot.py at 2018-04-17 11:34:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.475 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-17 08:27:53

End at: 2018-04-17 08:28:23

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.262 ms

Loss rate: 0.00%

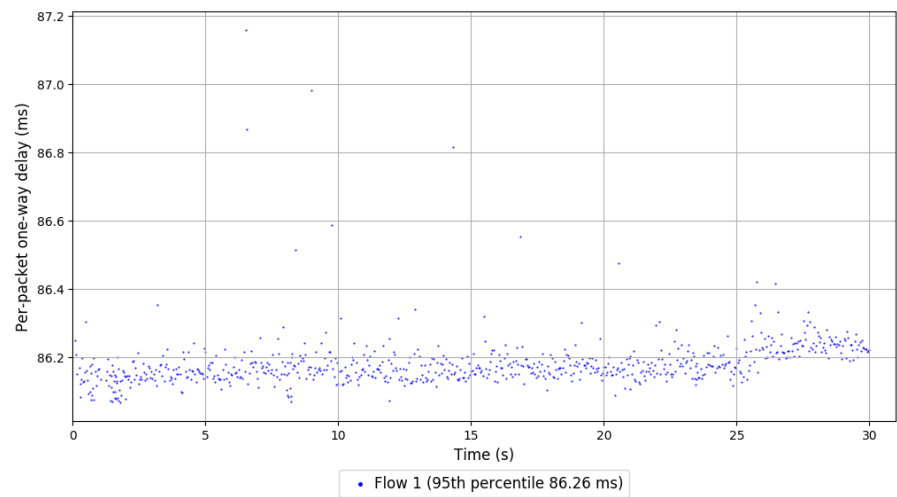
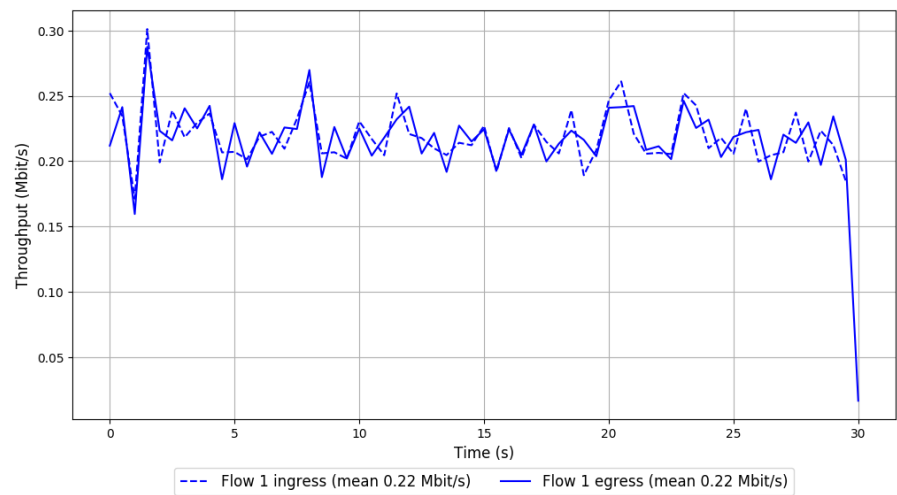
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.262 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-17 08:41:23

End at: 2018-04-17 08:41:53

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.041 ms

Loss rate: 0.00%

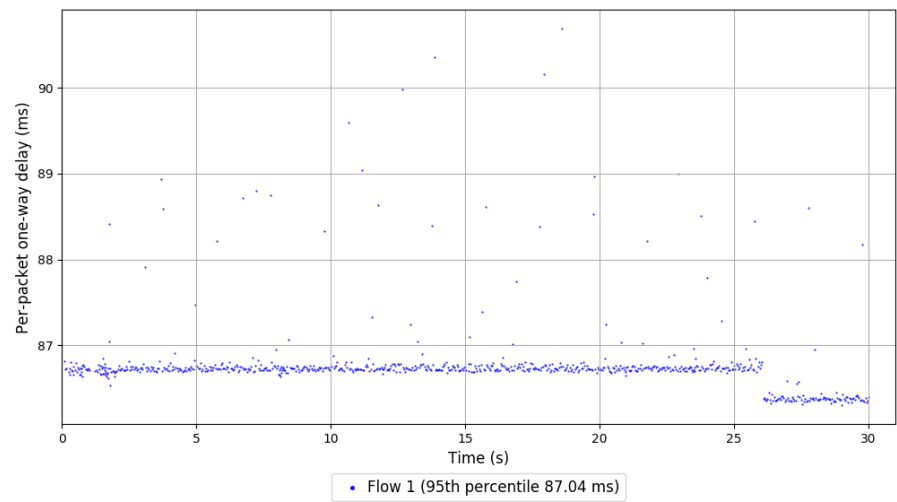
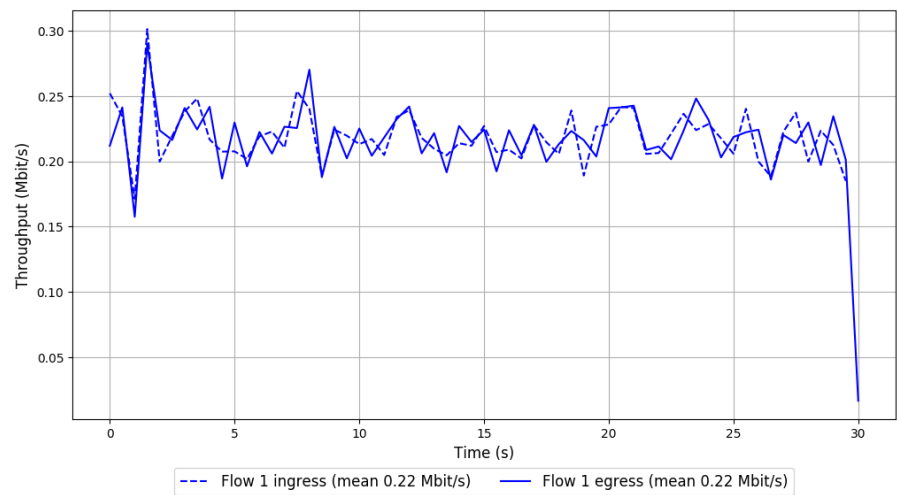
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.041 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-17 08:55:02

End at: 2018-04-17 08:55:32

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.716 ms

Loss rate: 0.00%

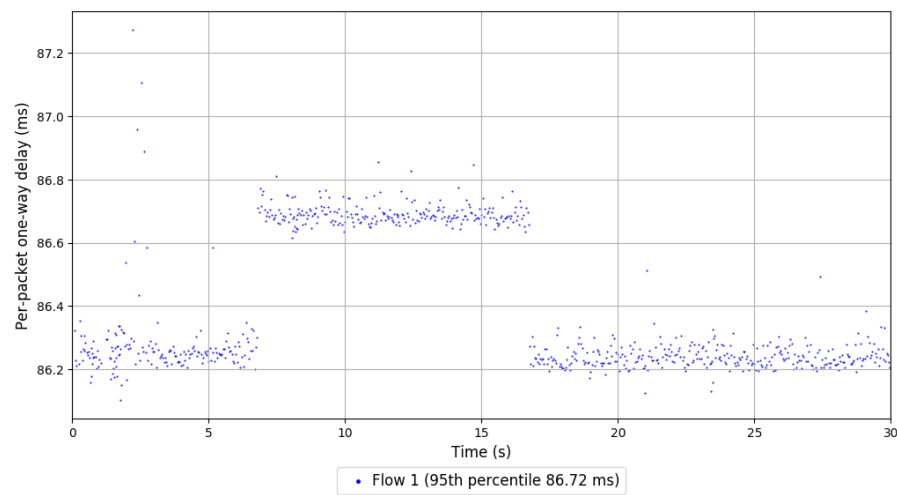
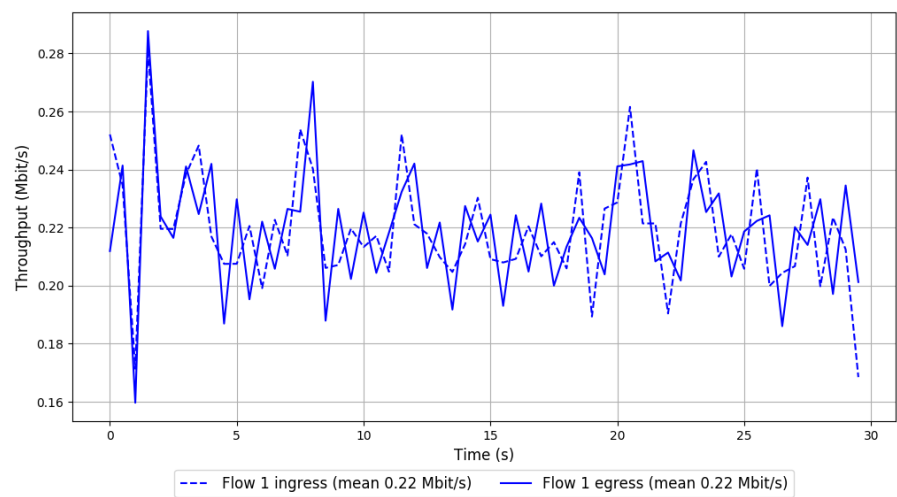
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.716 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 09:08:38

End at: 2018-04-17 09:09:08

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.374 ms

Loss rate: 0.00%

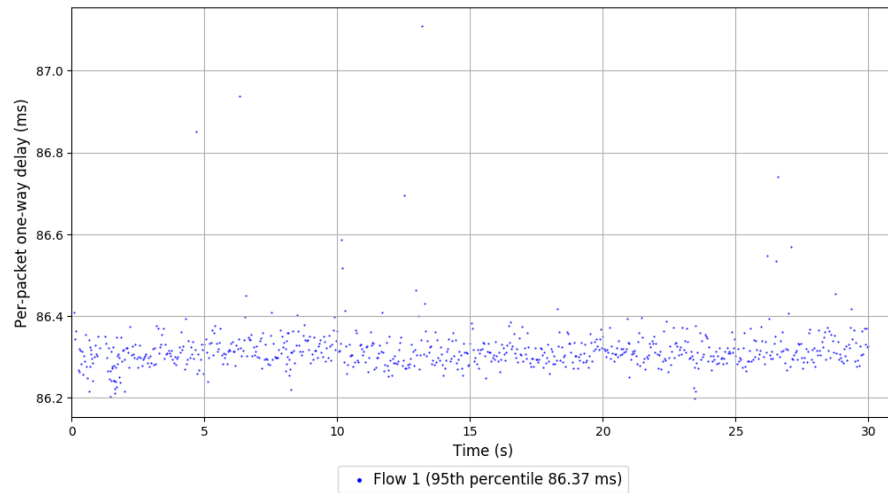
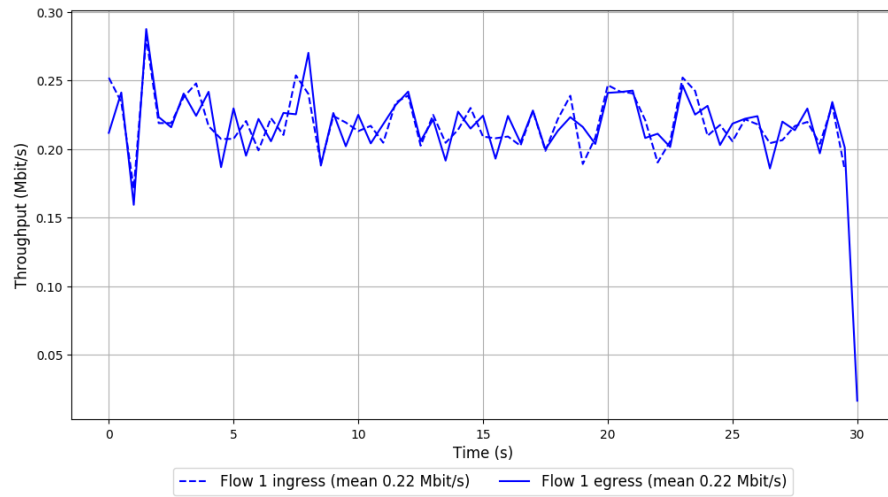
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.374 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-17 09:22:00

End at: 2018-04-17 09:22:30

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.405 ms

Loss rate: 0.00%

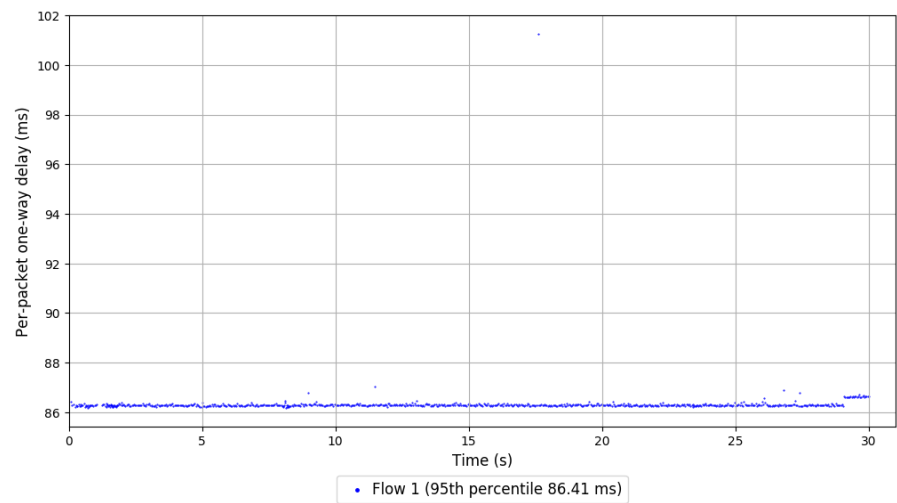
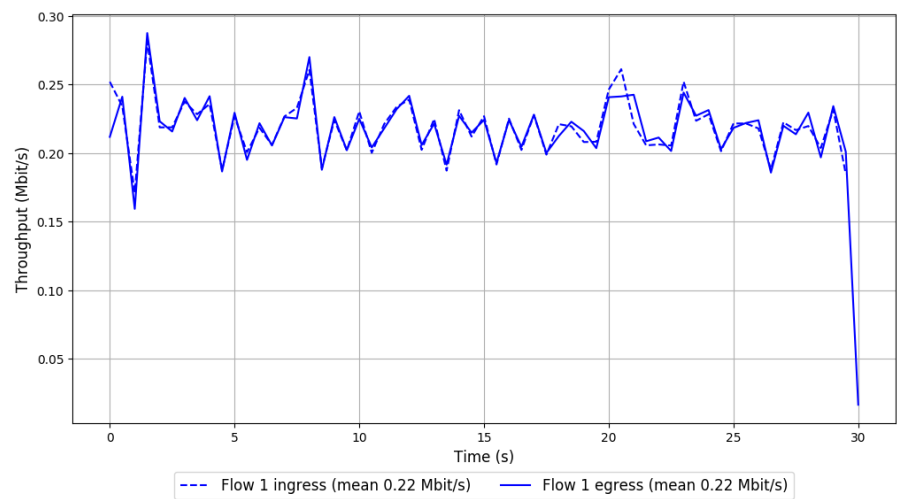
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.405 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-17 09:35:29

End at: 2018-04-17 09:35:59

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.637 ms

Loss rate: 0.00%

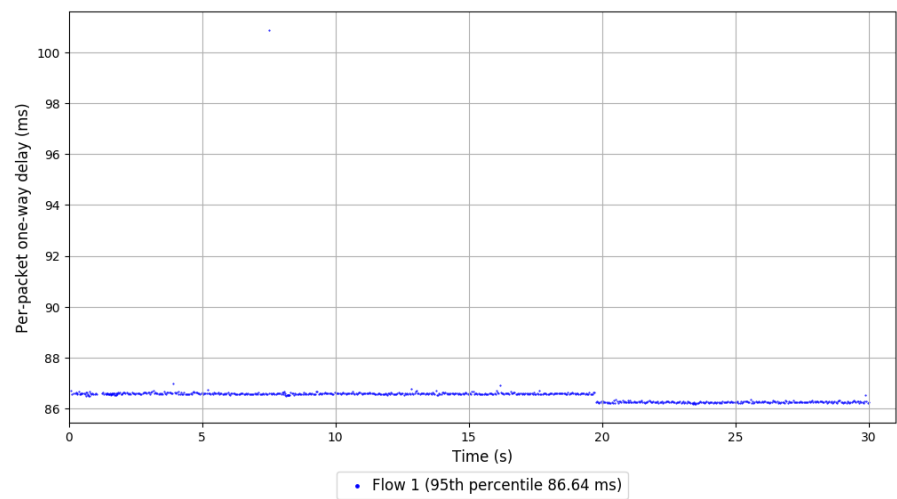
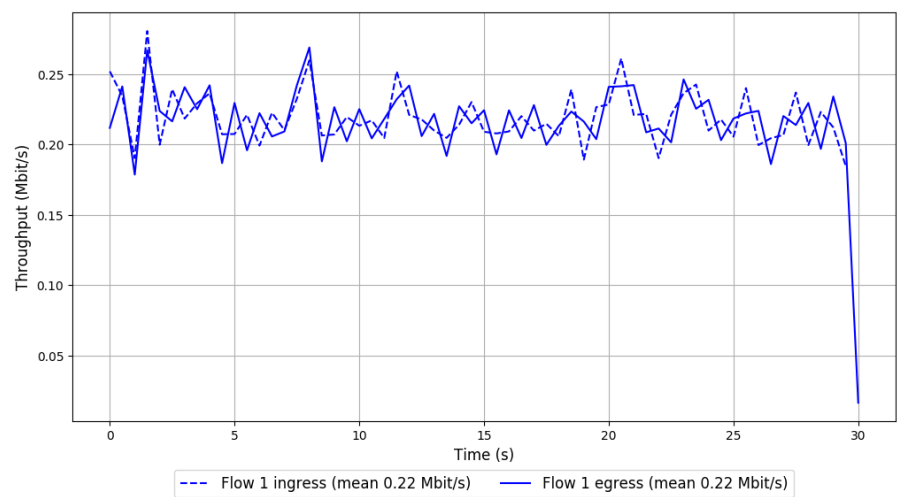
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.637 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-17 09:48:45

End at: 2018-04-17 09:49:15

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.678 ms

Loss rate: 0.00%

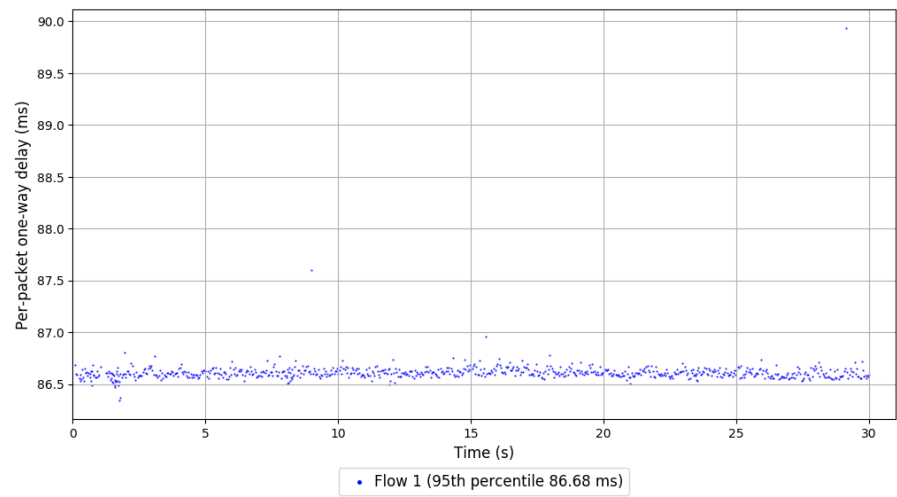
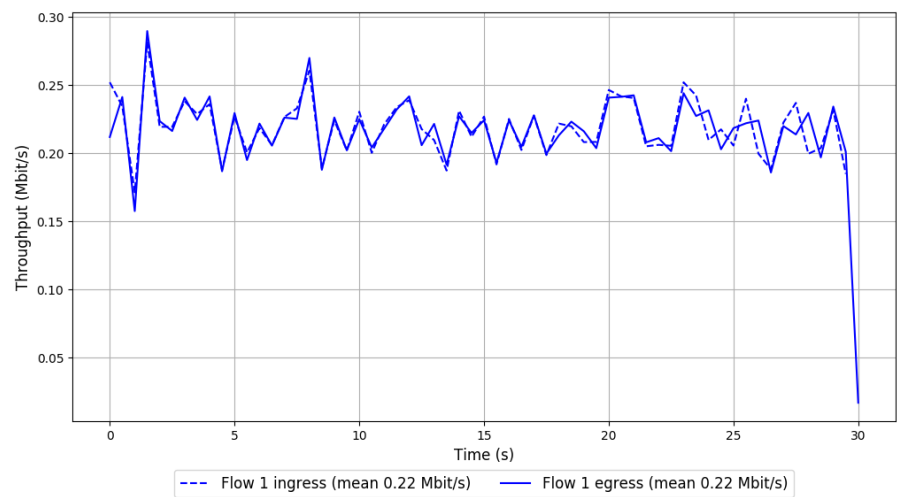
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.678 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-17 10:02:18

End at: 2018-04-17 10:02:48

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.645 ms

Loss rate: 0.00%

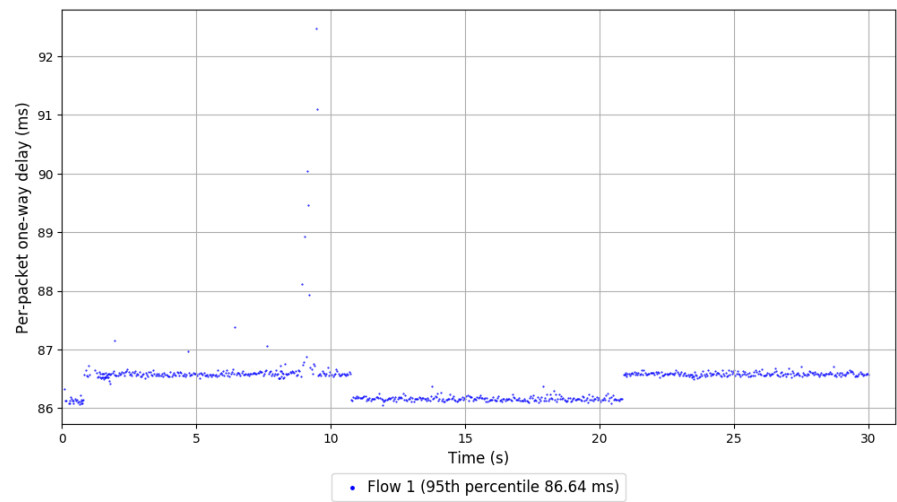
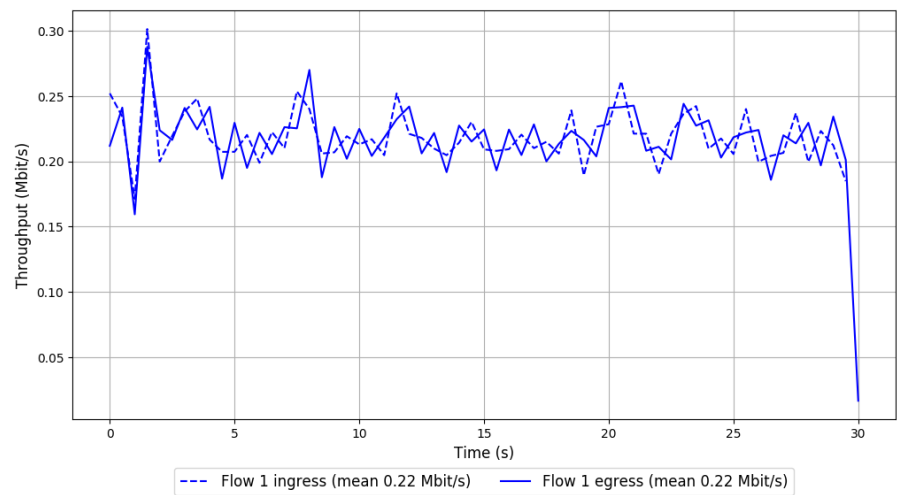
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.645 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

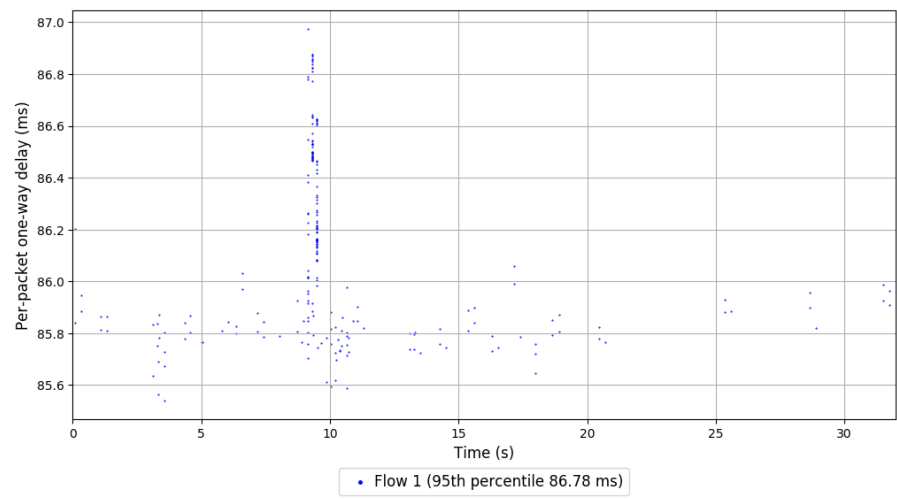
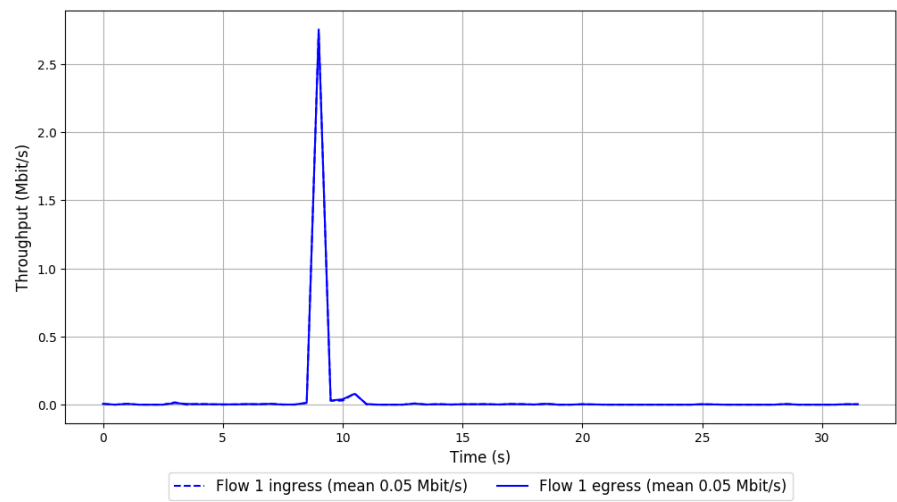


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 07:52:49
End at: 2018-04-17 07:53:19

# Below is generated by plot.py at 2018-04-17 11:34:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.778 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

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

End at: 2018-04-17 08:06:47

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.352 ms

Loss rate: 0.00%

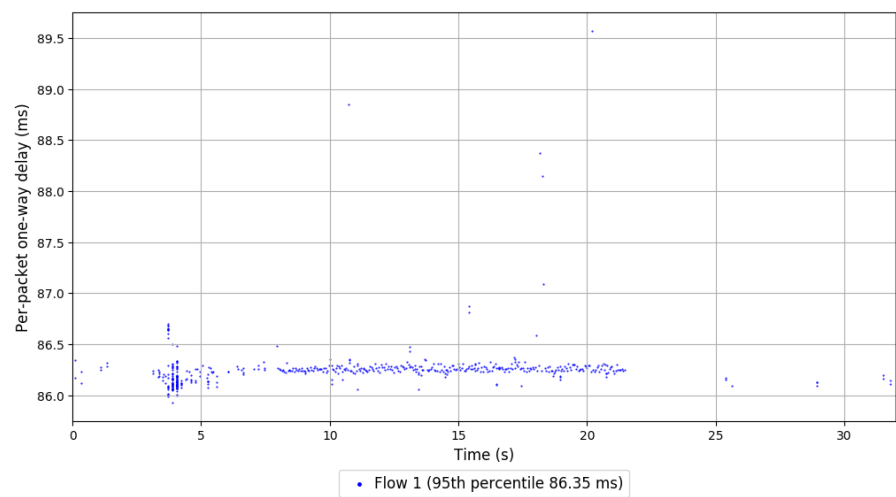
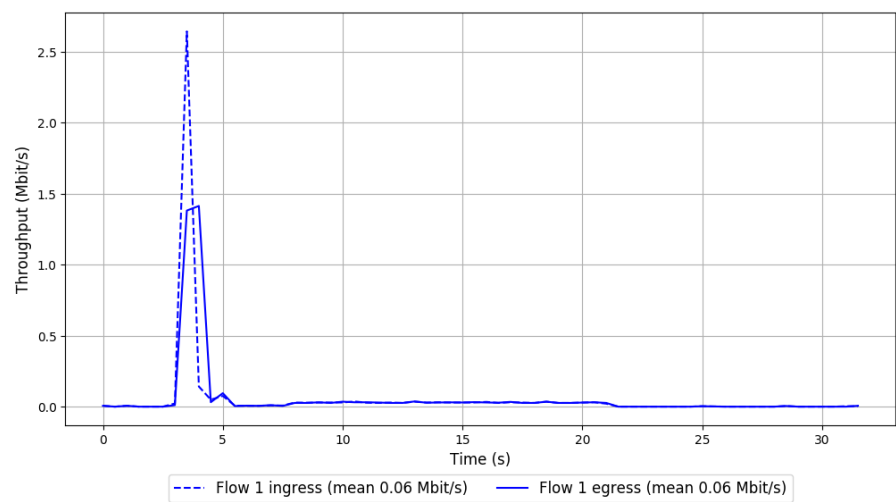
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.352 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-17 08:19:51

End at: 2018-04-17 08:20:21

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.790 ms

Loss rate: 0.00%

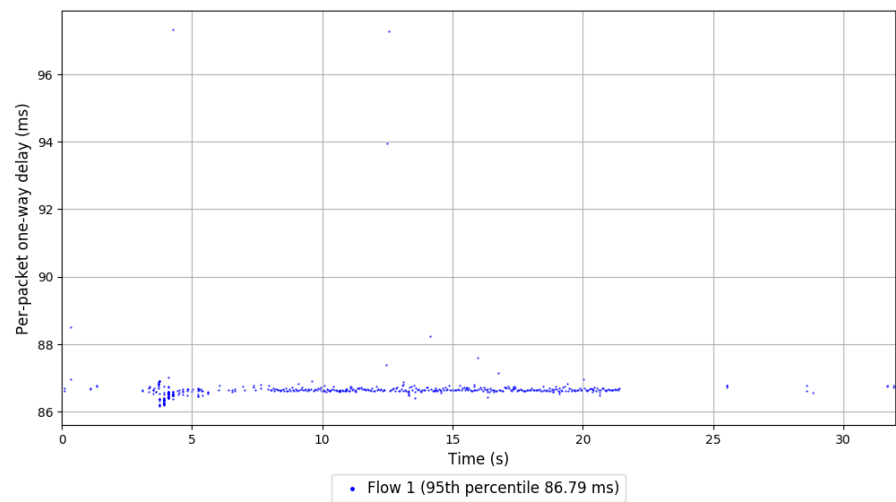
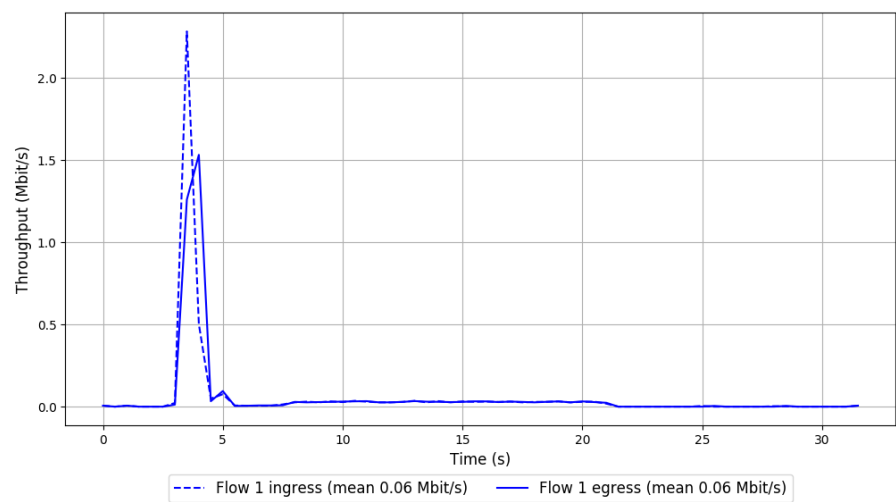
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.790 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 08:33:27

End at: 2018-04-17 08:33:57

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.765 ms

Loss rate: 0.00%

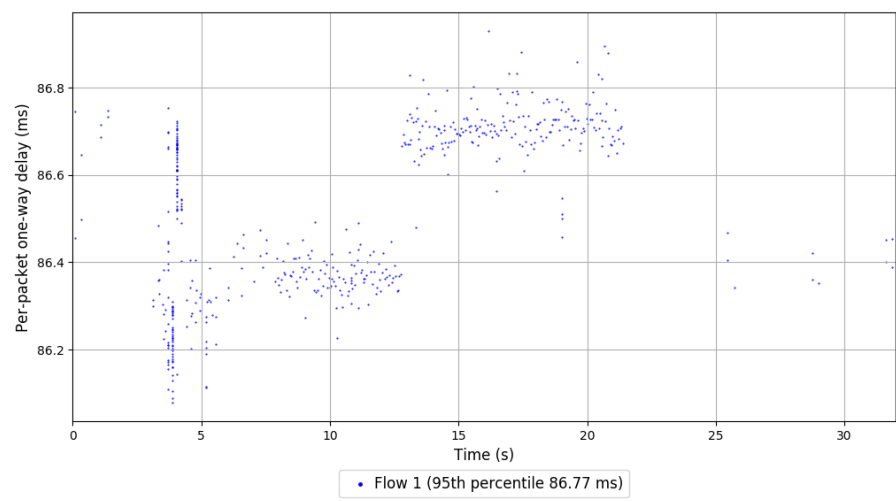
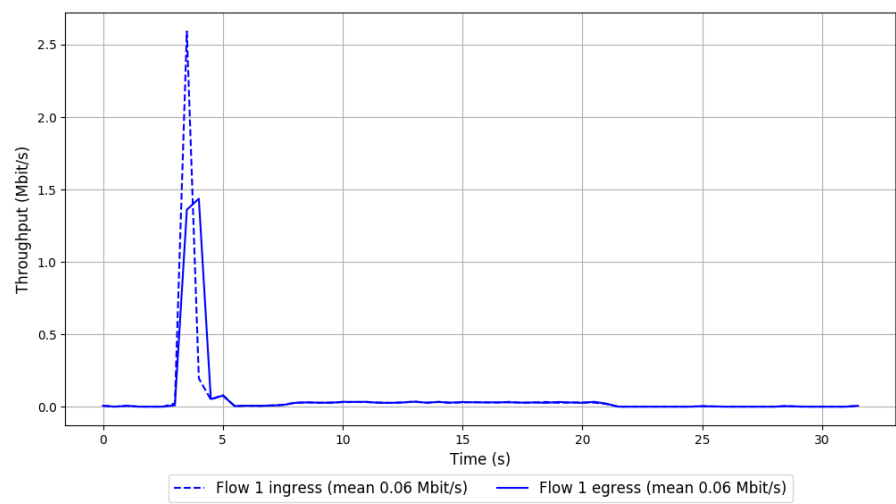
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.765 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-17 08:46:57

End at: 2018-04-17 08:47:27

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.722 ms

Loss rate: 0.00%

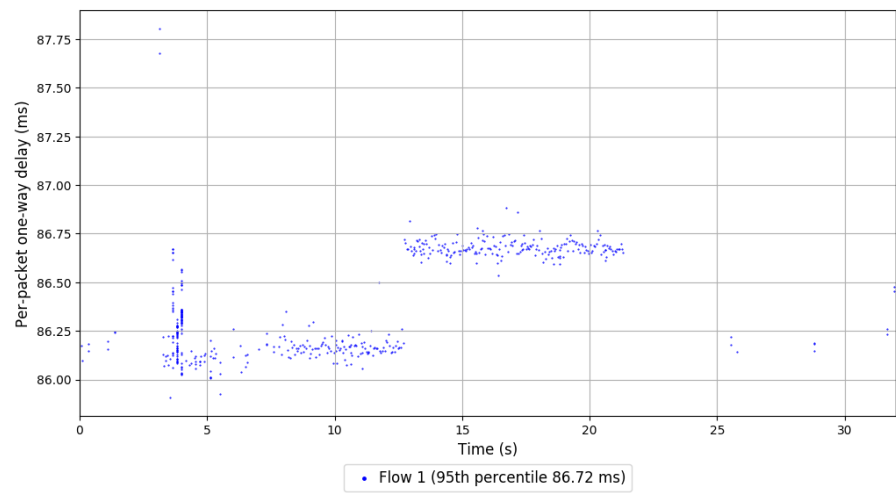
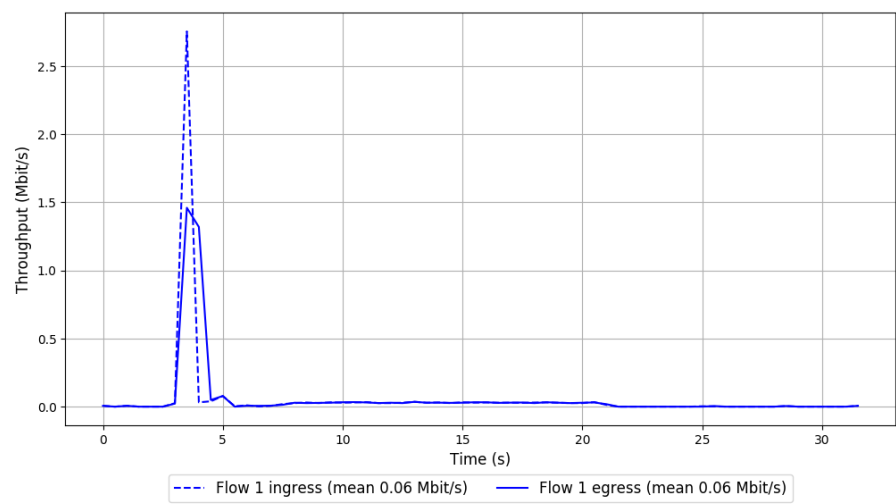
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.722 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-17 09:00:37

End at: 2018-04-17 09:01:07

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.690 ms

Loss rate: 0.00%

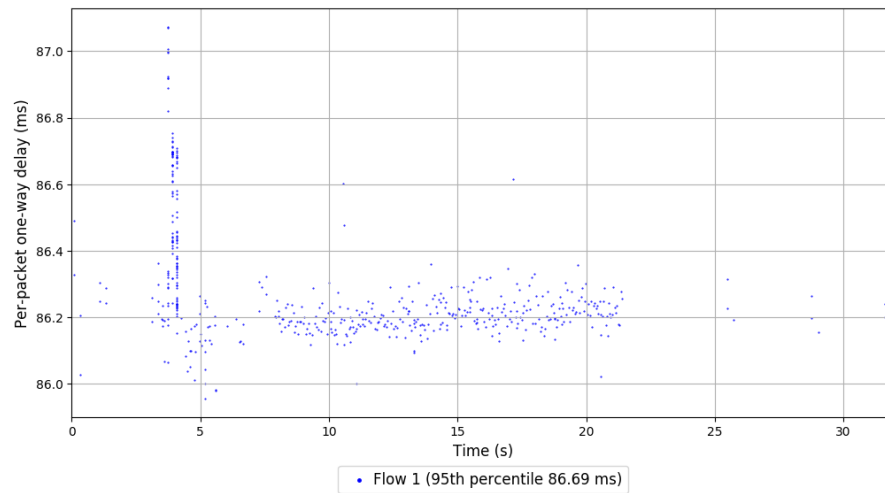
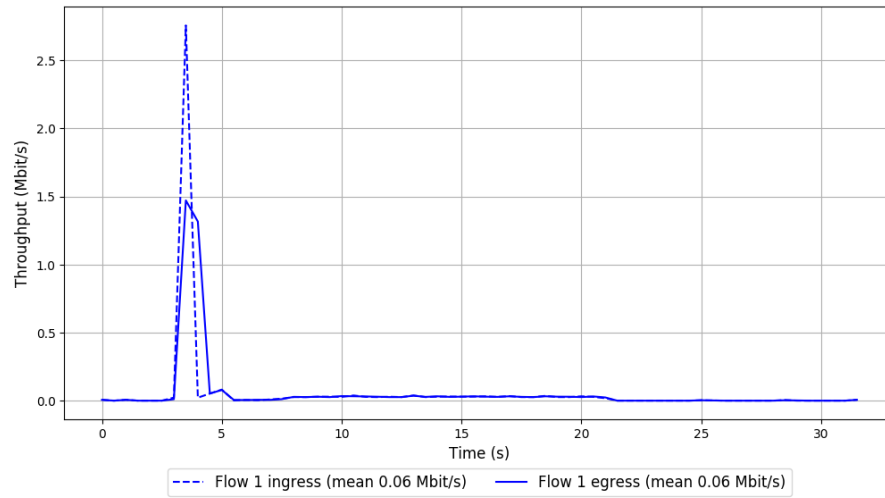
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.690 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 09:14:13

End at: 2018-04-17 09:14:43

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.689 ms

Loss rate: 0.00%

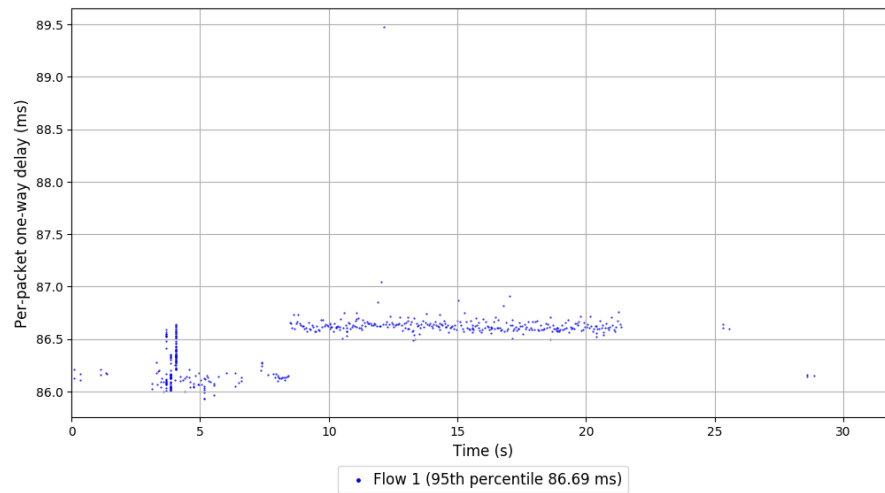
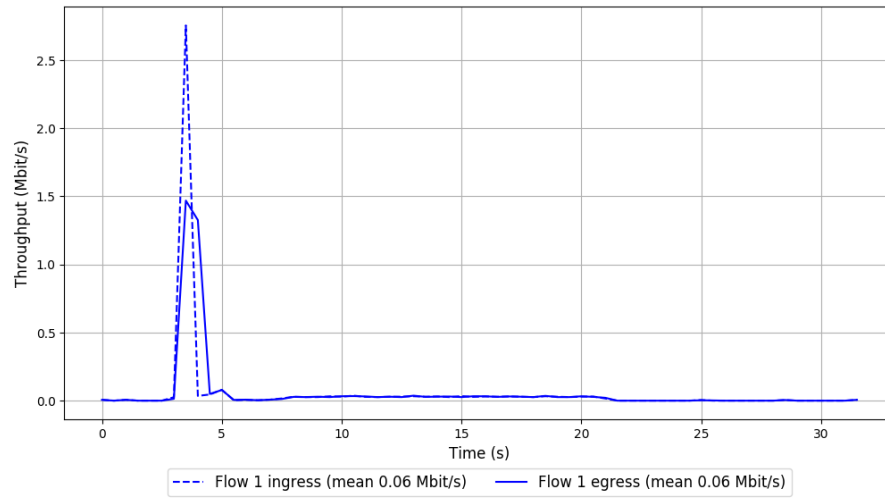
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.689 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-17 09:27:33

End at: 2018-04-17 09:28:03

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.624 ms

Loss rate: 0.00%

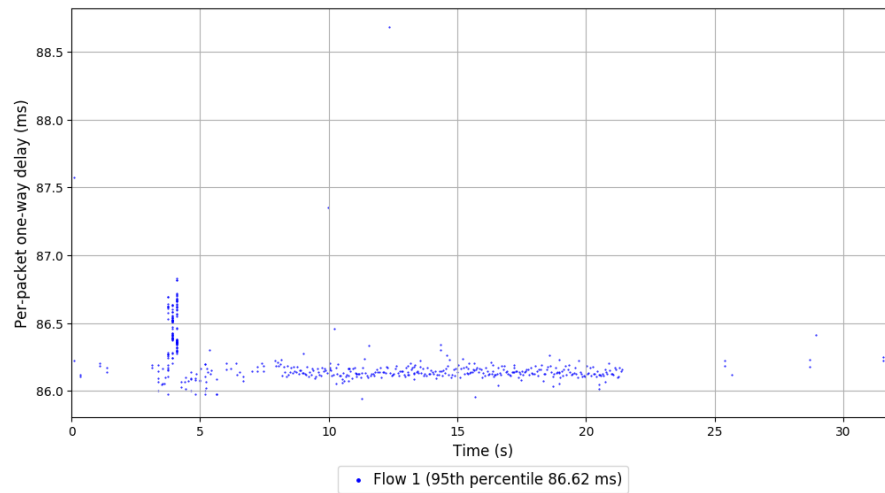
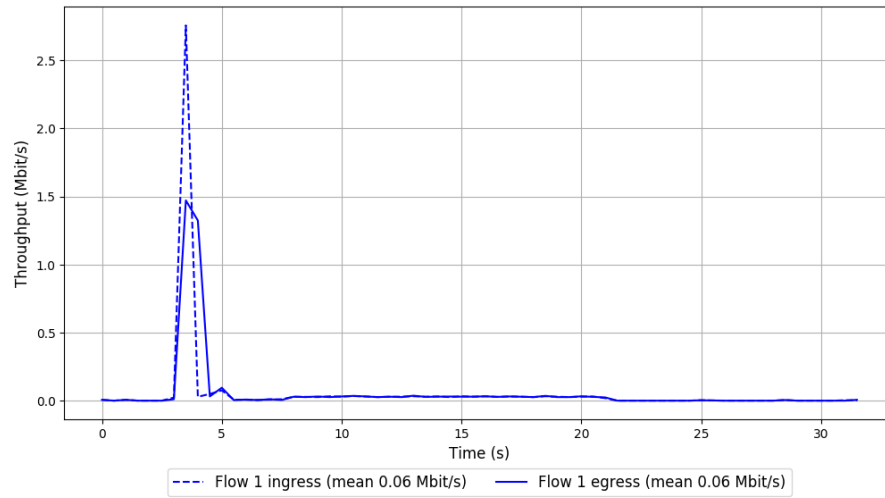
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.624 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 09:41:05

End at: 2018-04-17 09:41:35

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.588 ms

Loss rate: 0.00%

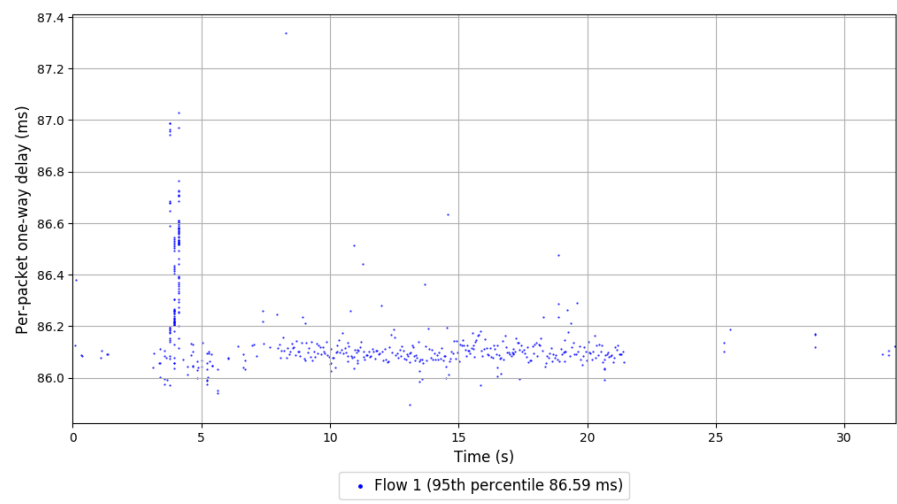
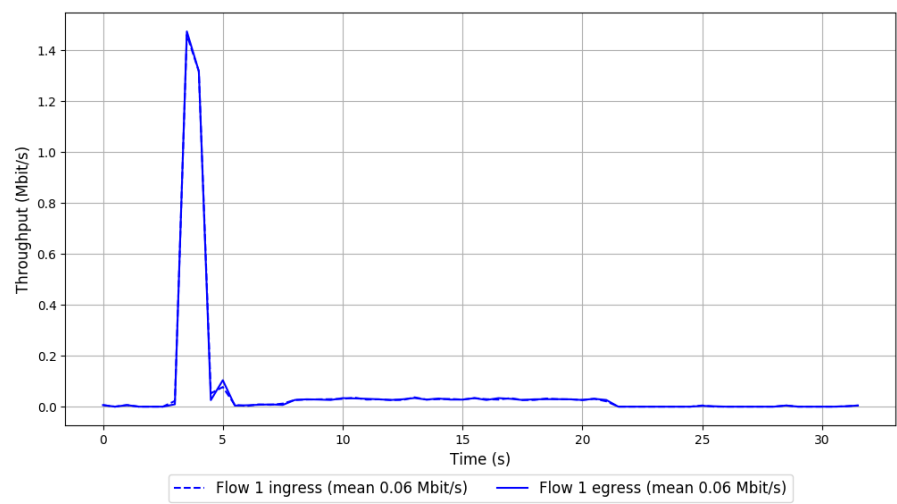
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.588 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 09:54:18

End at: 2018-04-17 09:54:49

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.404 ms

Loss rate: 0.00%

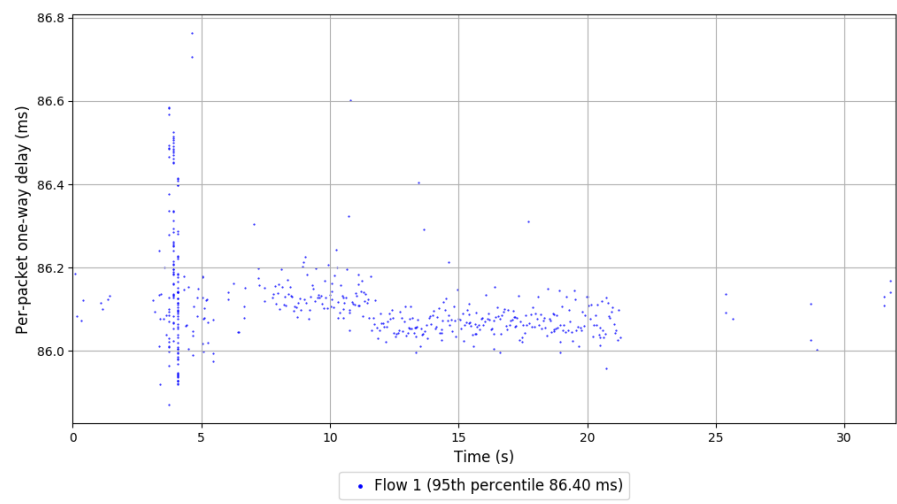
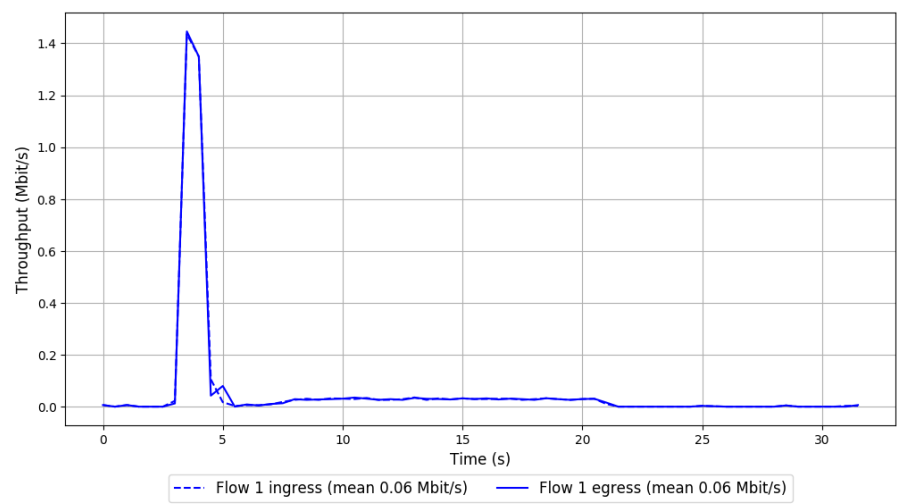
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.404 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-17 07:52:09

End at: 2018-04-17 07:52:39

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 86.850 ms

Loss rate: 0.00%

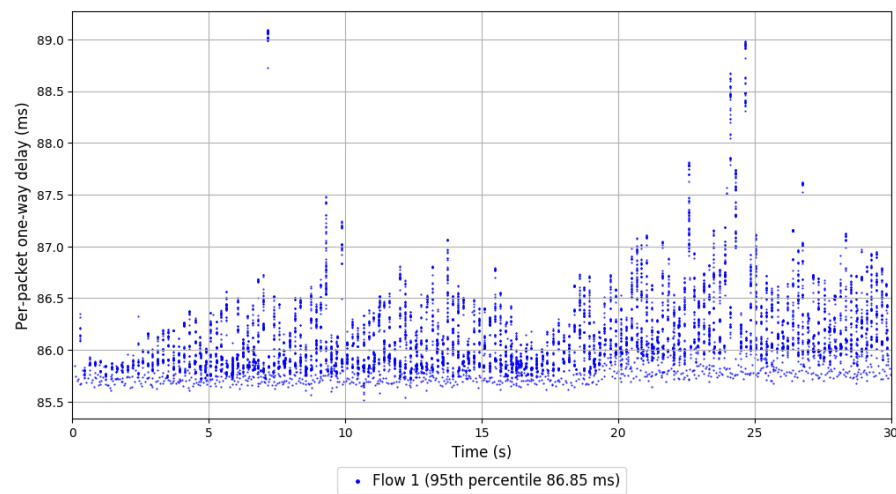
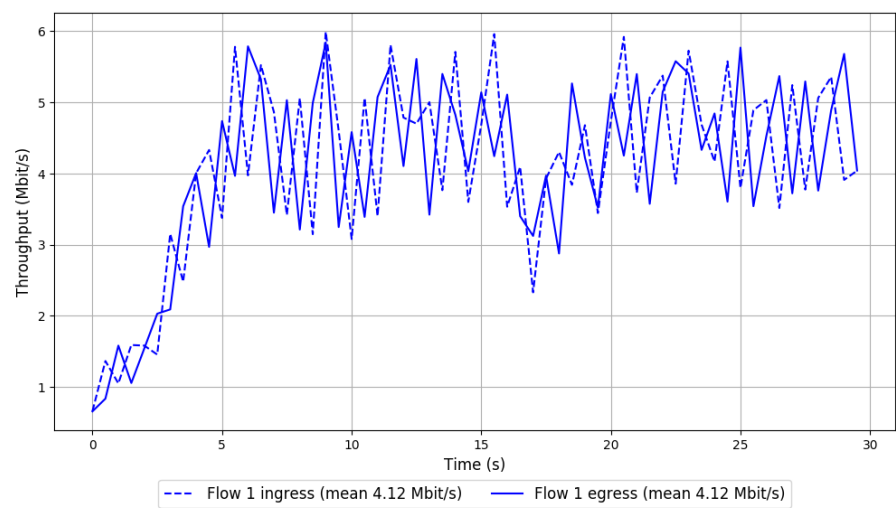
-- Flow 1:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 86.850 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-17 08:05:37

End at: 2018-04-17 08:06:07

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 87.141 ms

Loss rate: 0.00%

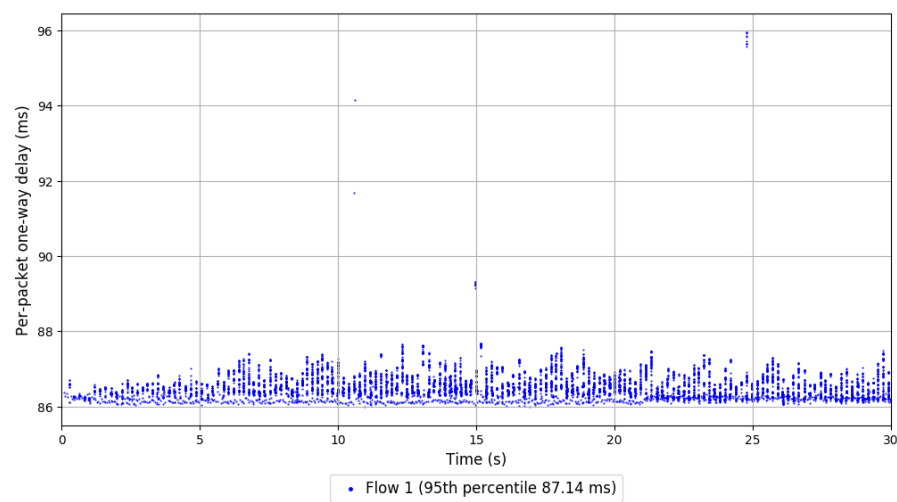
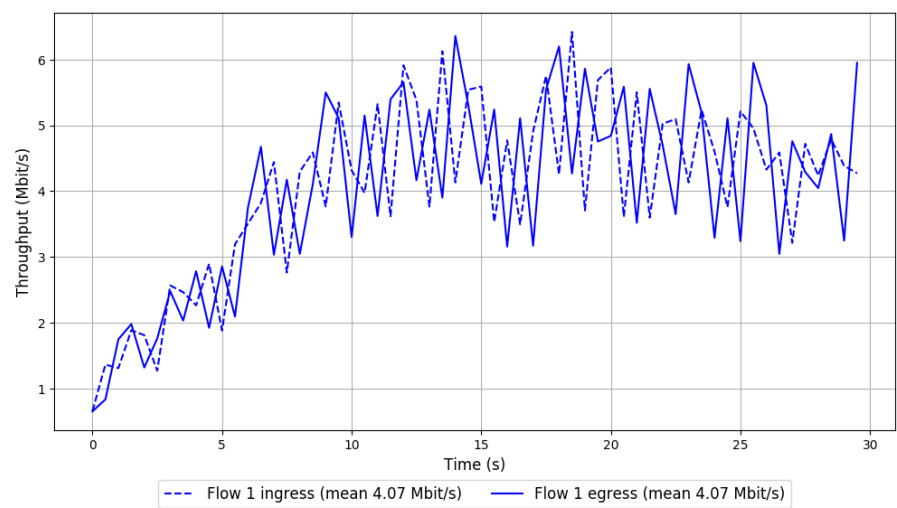
-- Flow 1:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 87.141 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-17 08:19:11

End at: 2018-04-17 08:19:41

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 87.180 ms

Loss rate: 0.00%

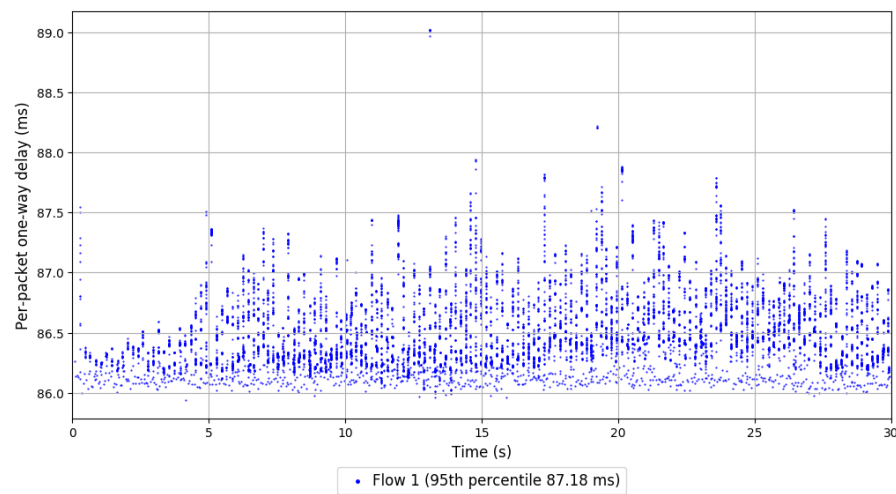
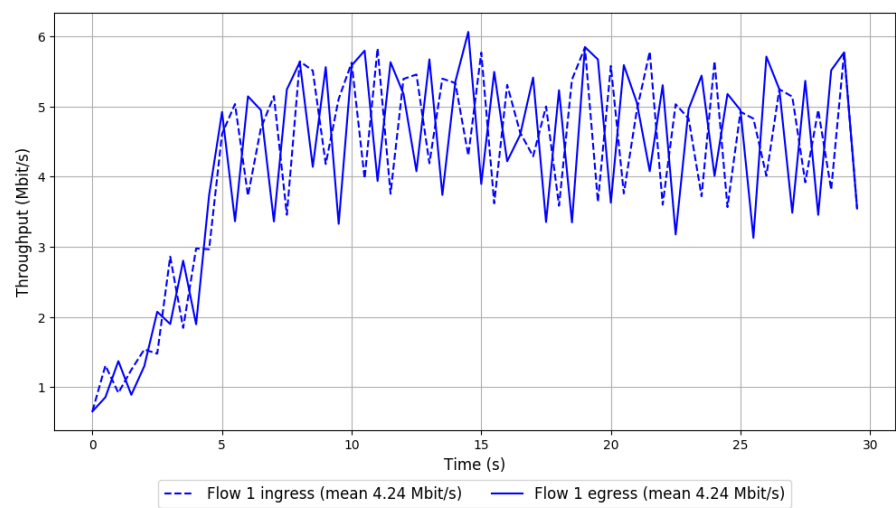
-- Flow 1:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 87.180 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-17 08:32:48

End at: 2018-04-17 08:33:18

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 87.116 ms

Loss rate: 0.00%

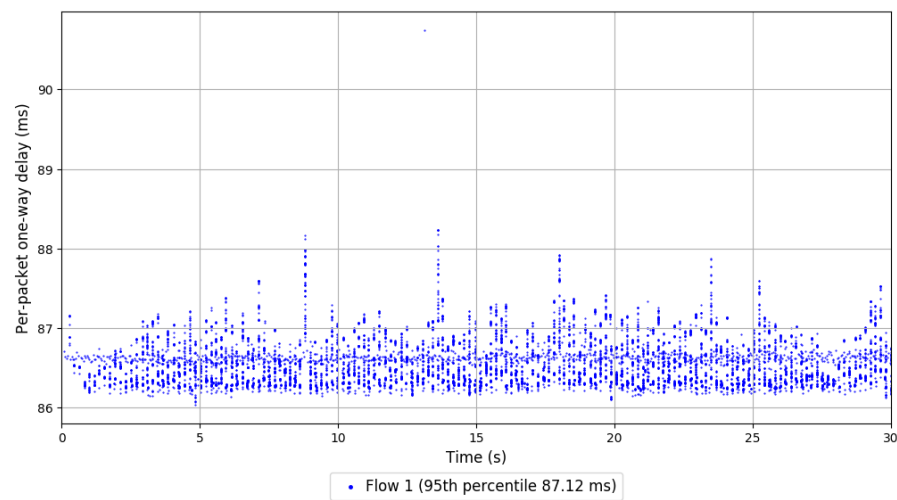
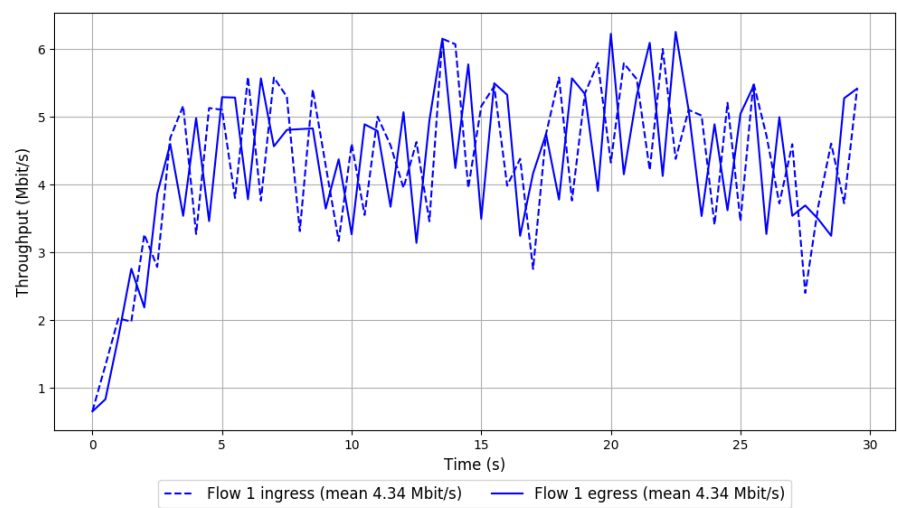
-- Flow 1:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 87.116 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-17 08:46:18

End at: 2018-04-17 08:46:48

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 87.184 ms

Loss rate: 0.00%

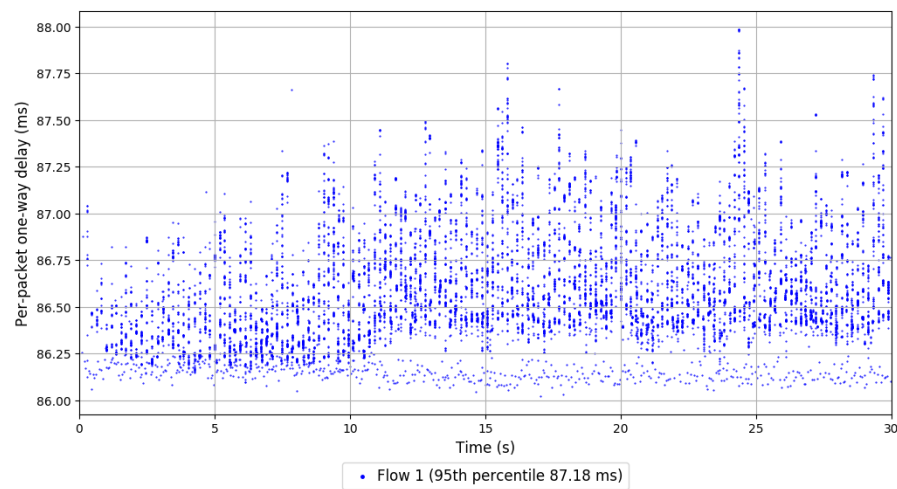
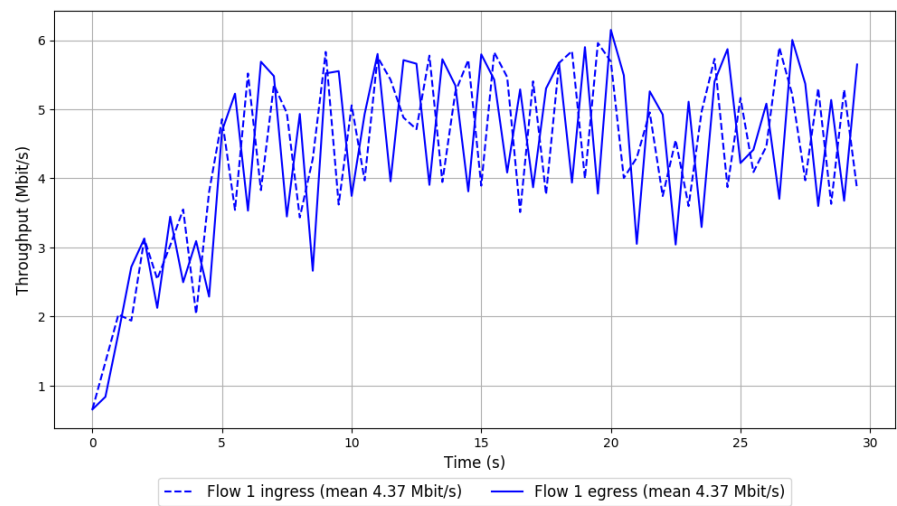
-- Flow 1:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 87.184 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-17 08:59:58

End at: 2018-04-17 09:00:28

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 87.245 ms

Loss rate: 0.00%

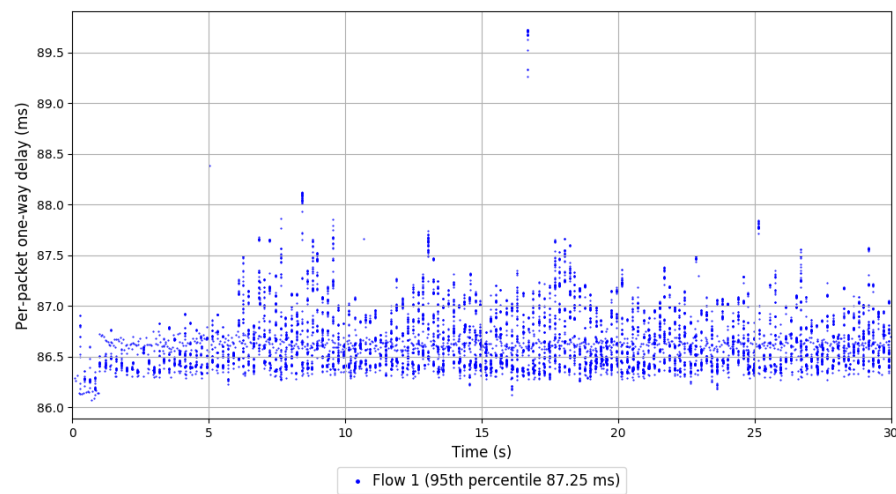
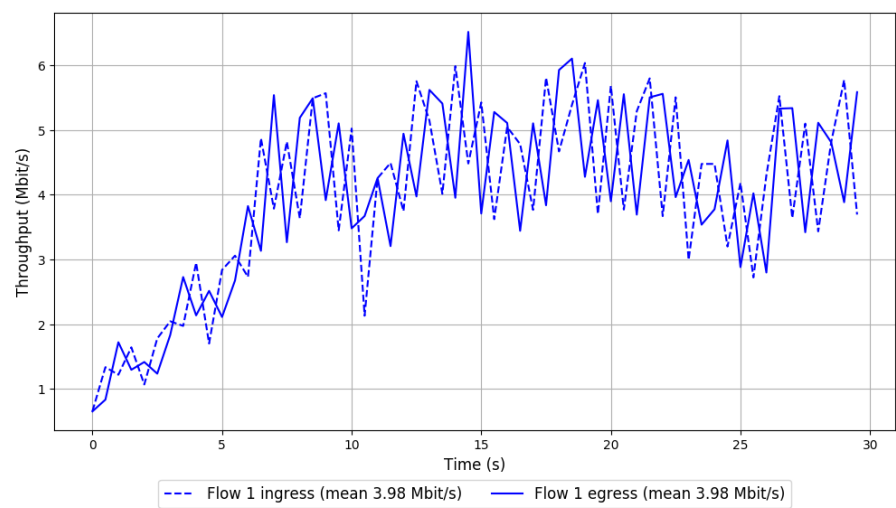
-- Flow 1:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 87.245 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-17 09:13:33

End at: 2018-04-17 09:14:03

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 86.989 ms

Loss rate: 0.00%

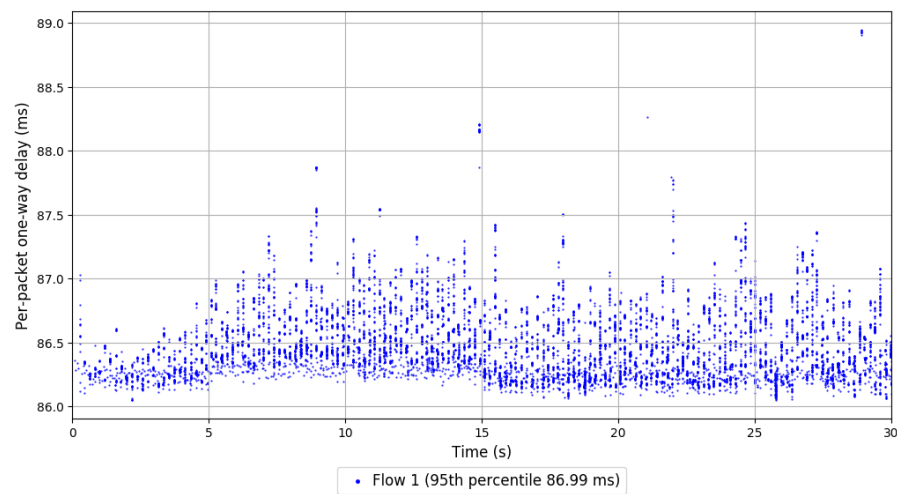
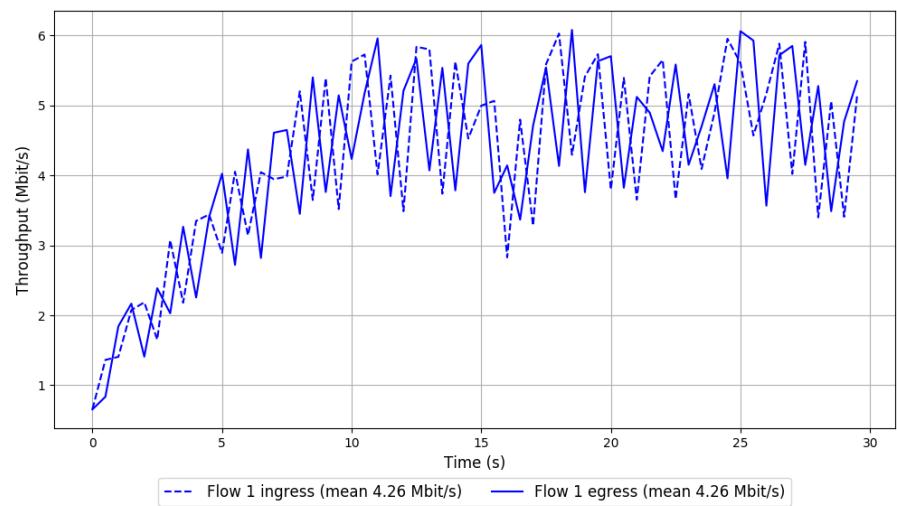
-- Flow 1:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 86.989 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-17 09:26:54

End at: 2018-04-17 09:27:24

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 87.124 ms

Loss rate: 0.00%

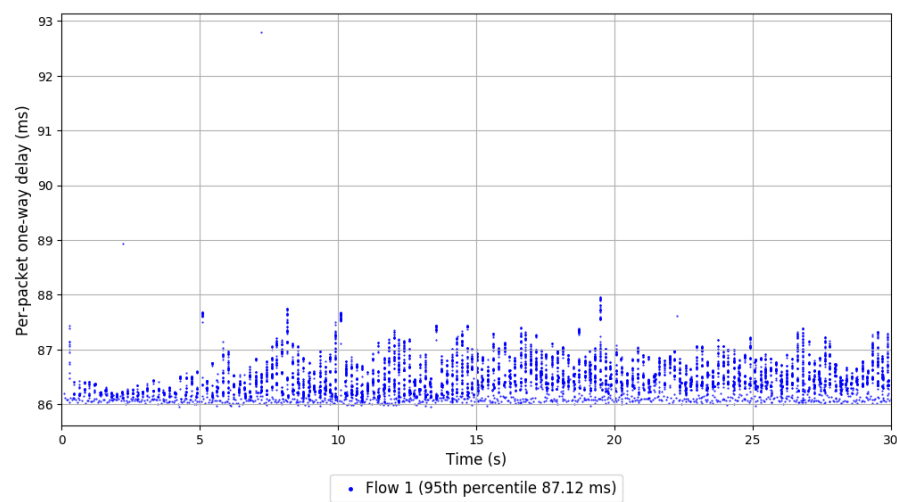
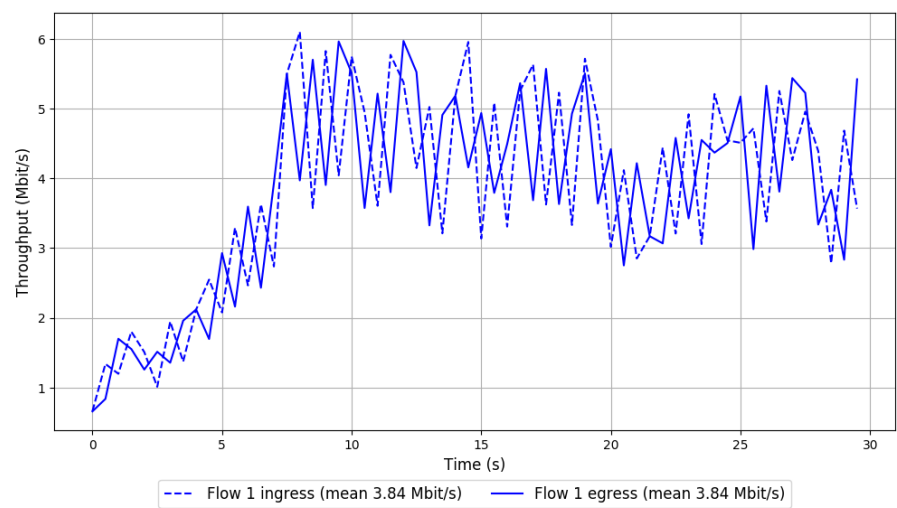
-- Flow 1:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 87.124 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-17 09:40:25

End at: 2018-04-17 09:40:55

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 87.032 ms

Loss rate: 0.00%

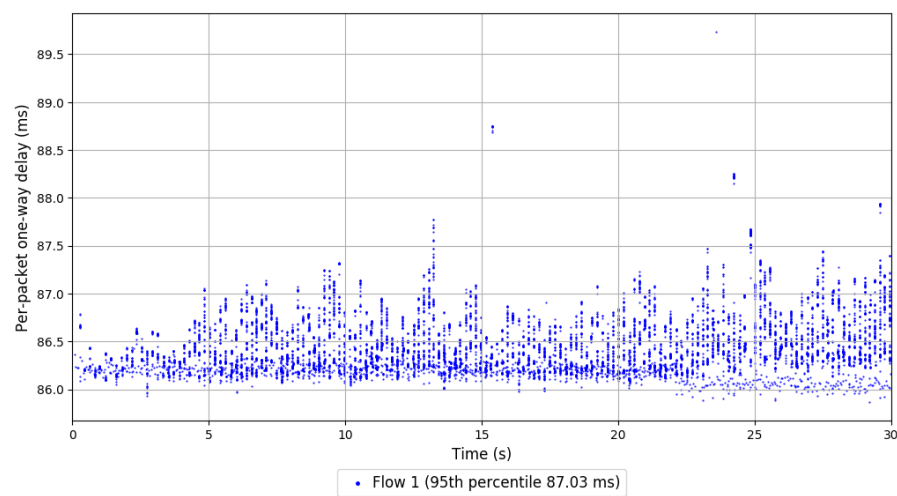
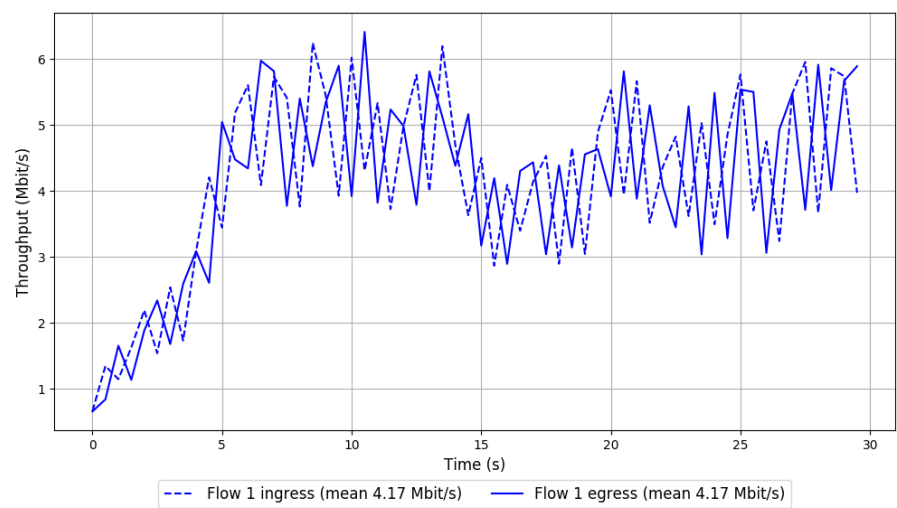
-- Flow 1:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 87.032 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 09:53:39

End at: 2018-04-17 09:54:09

Below is generated by plot.py at 2018-04-17 11:34:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 87.061 ms

Loss rate: 0.00%

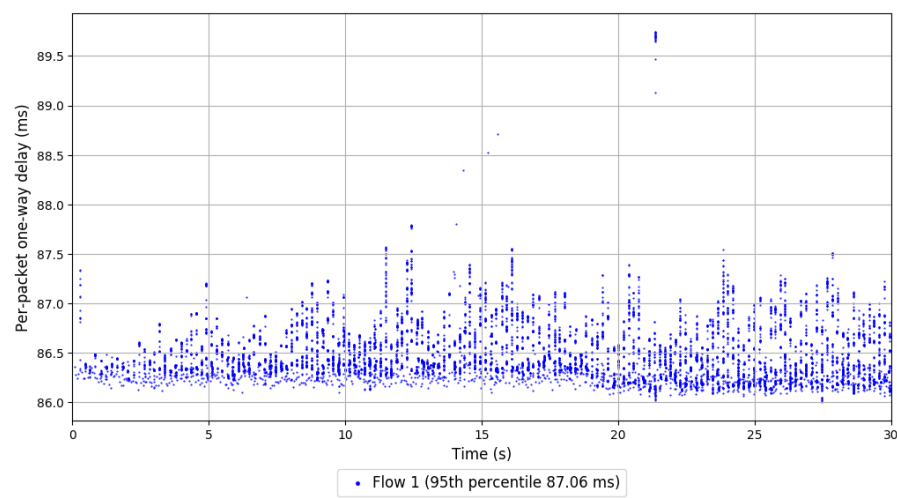
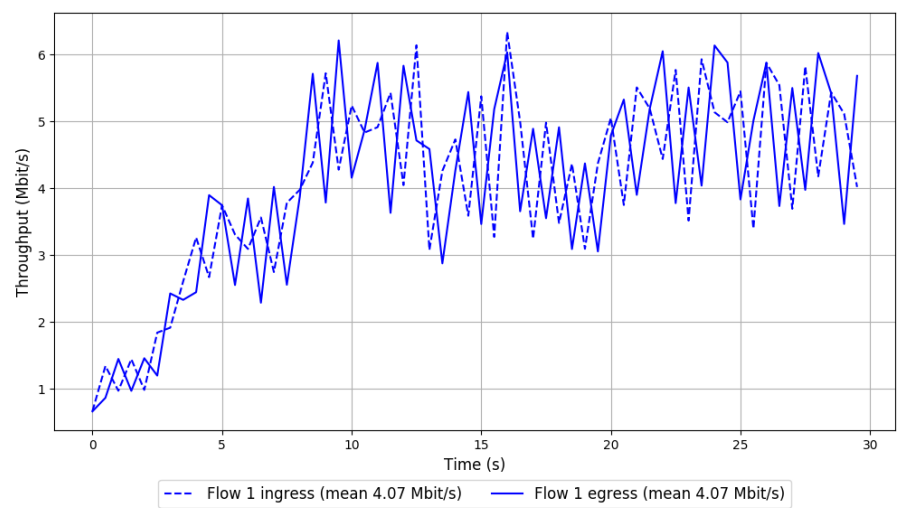
-- Flow 1:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 87.061 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

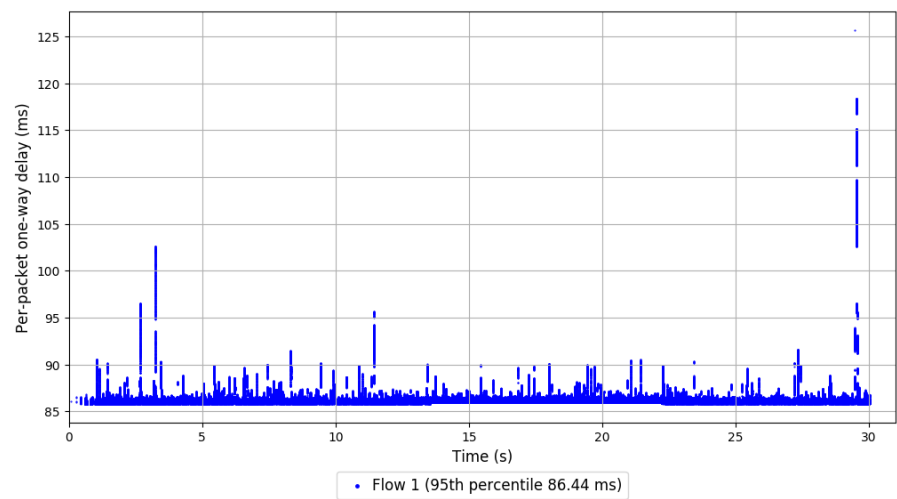
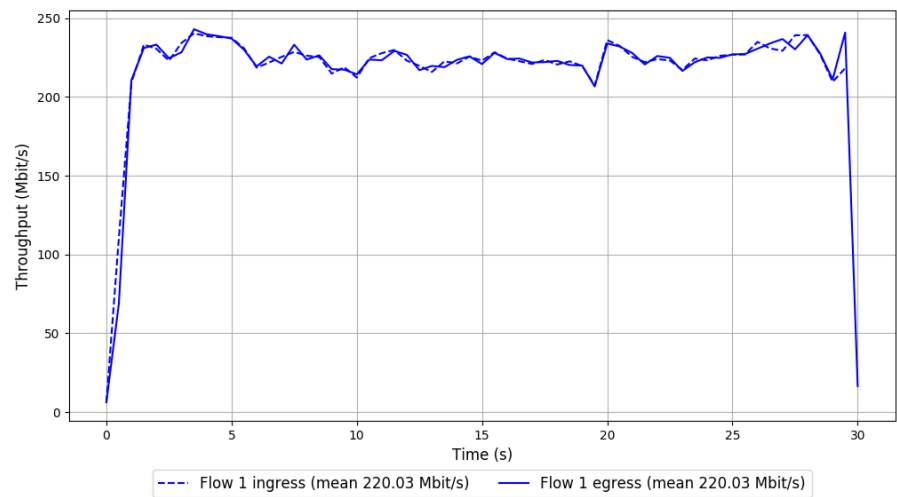


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 08:02:15
End at: 2018-04-17 08:02:45

# Below is generated by plot.py at 2018-04-17 11:38:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.03 Mbit/s
95th percentile per-packet one-way delay: 86.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.03 Mbit/s
95th percentile per-packet one-way delay: 86.438 ms
Loss rate: 0.00%
```

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

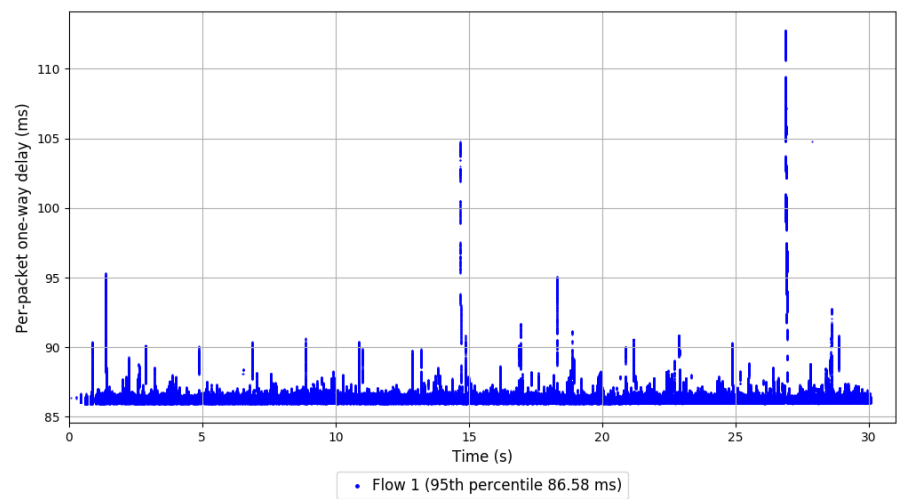
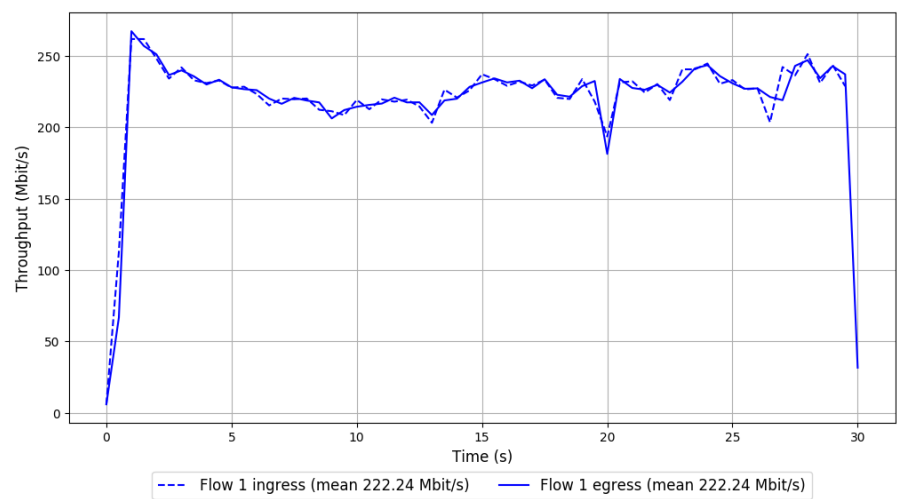


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 08:15:48
End at: 2018-04-17 08:16:18

# Below is generated by plot.py at 2018-04-17 11:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.24 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.24 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
```

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

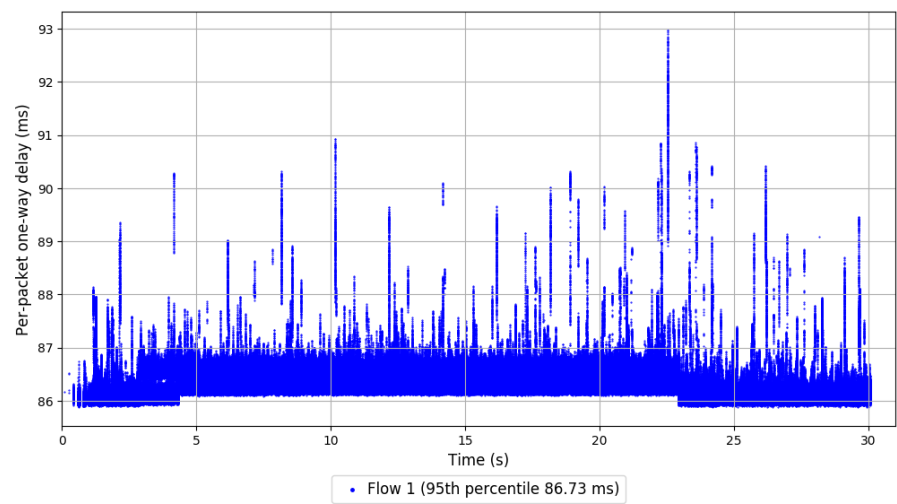
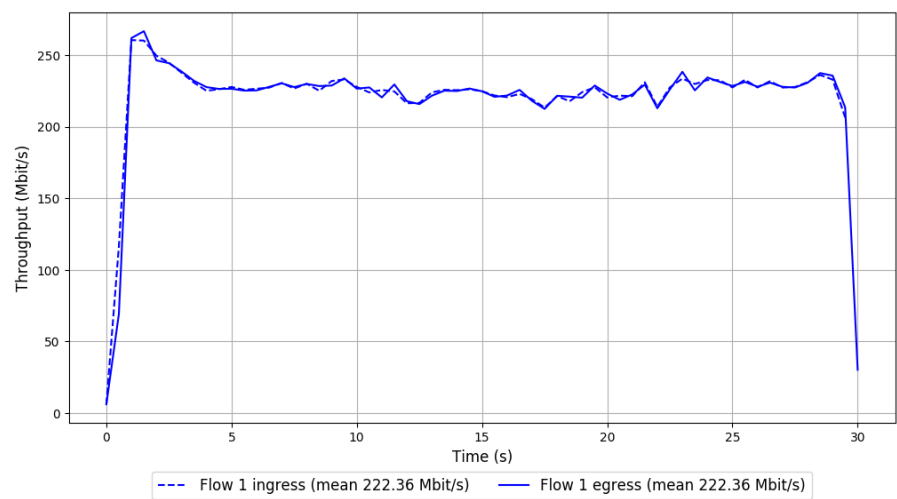


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 08:29:24
End at: 2018-04-17 08:29:54

# Below is generated by plot.py at 2018-04-17 11:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.36 Mbit/s
95th percentile per-packet one-way delay: 86.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.36 Mbit/s
95th percentile per-packet one-way delay: 86.728 ms
Loss rate: 0.00%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 08:42:55

End at: 2018-04-17 08:43:25

Below is generated by plot.py at 2018-04-17 11:38:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.93 Mbit/s

95th percentile per-packet one-way delay: 86.482 ms

Loss rate: 0.00%

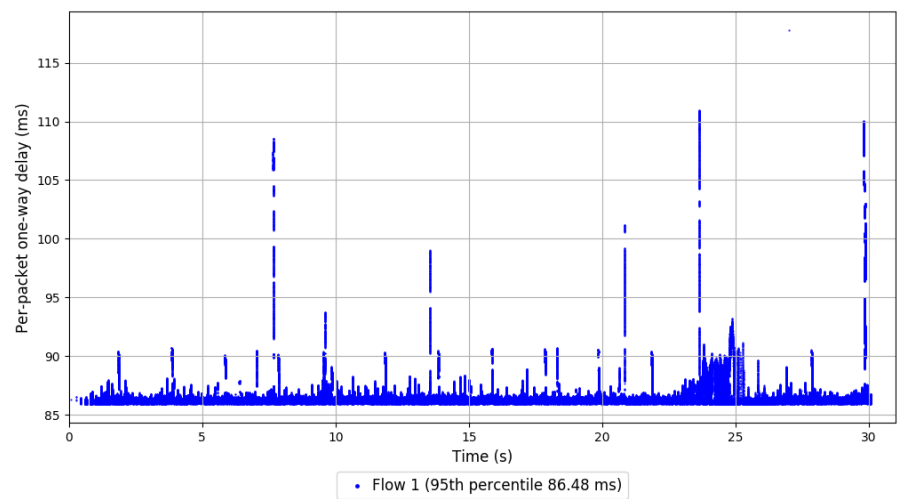
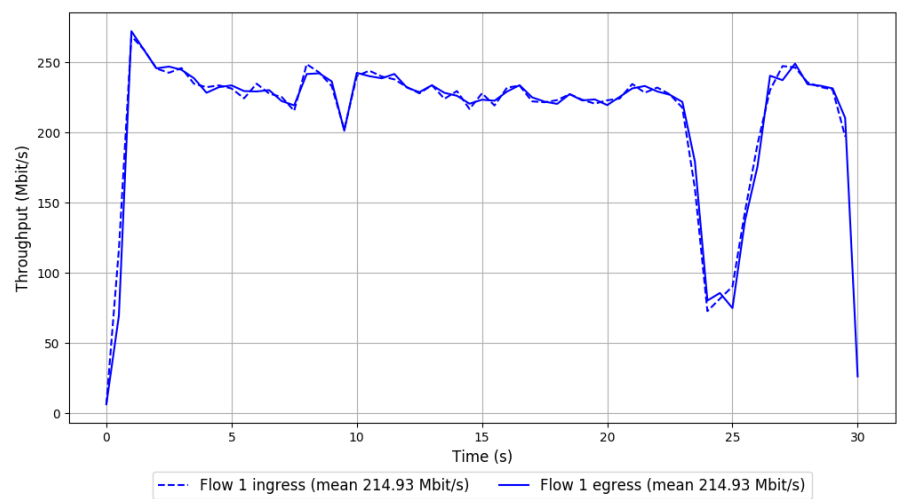
-- Flow 1:

Average throughput: 214.93 Mbit/s

95th percentile per-packet one-way delay: 86.482 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 08:56:33

End at: 2018-04-17 08:57:03

Below is generated by plot.py at 2018-04-17 11:38:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.39 Mbit/s

95th percentile per-packet one-way delay: 86.706 ms

Loss rate: 0.00%

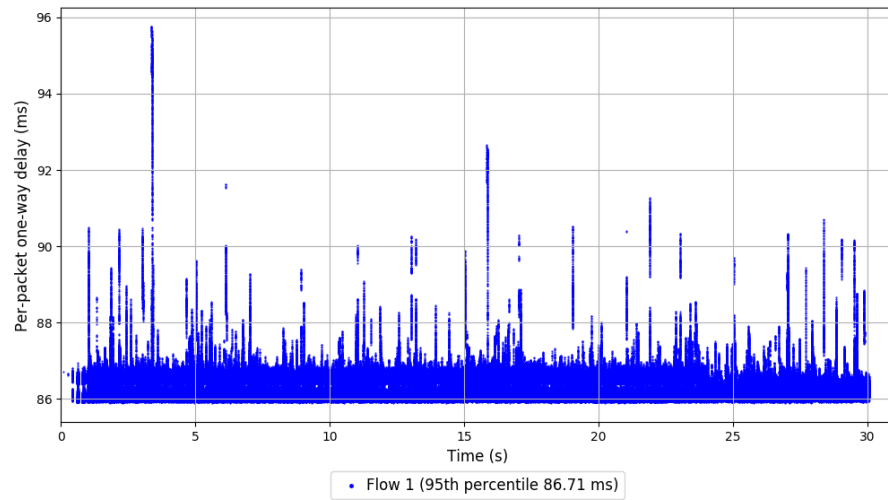
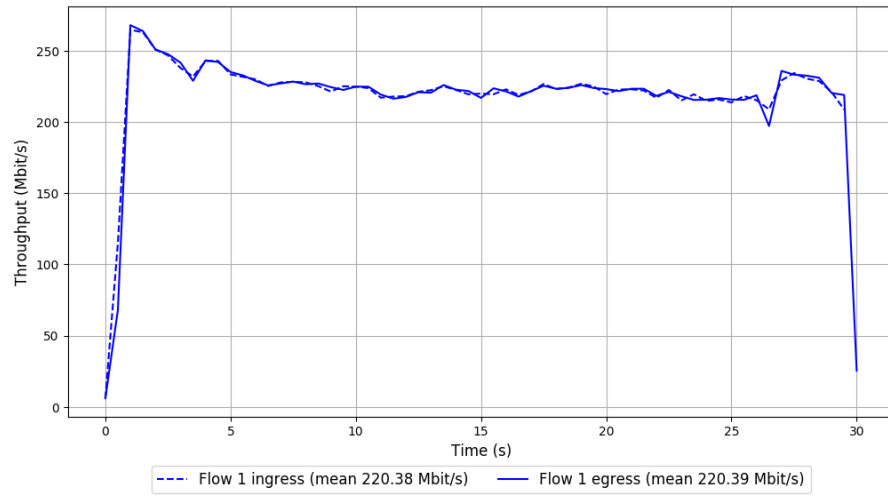
-- Flow 1:

Average throughput: 220.39 Mbit/s

95th percentile per-packet one-way delay: 86.706 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 09:10:10

End at: 2018-04-17 09:10:40

Below is generated by plot.py at 2018-04-17 11:39:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.92 Mbit/s

95th percentile per-packet one-way delay: 86.502 ms

Loss rate: 0.00%

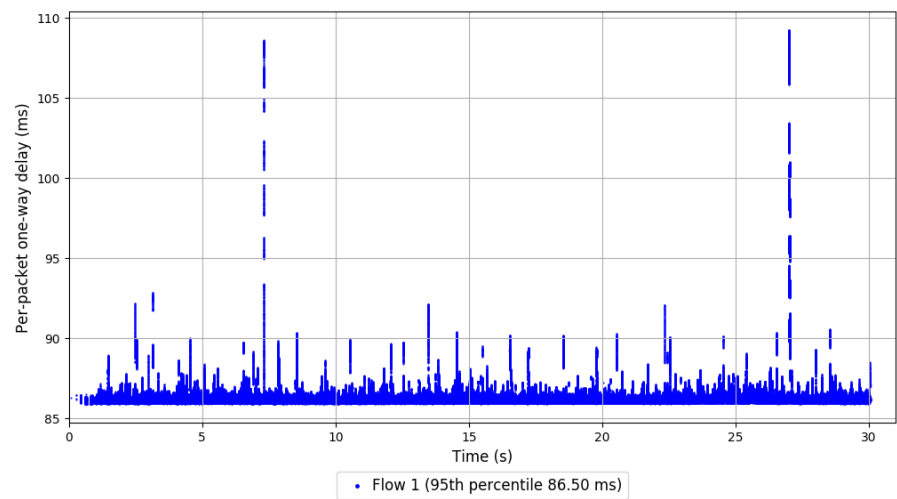
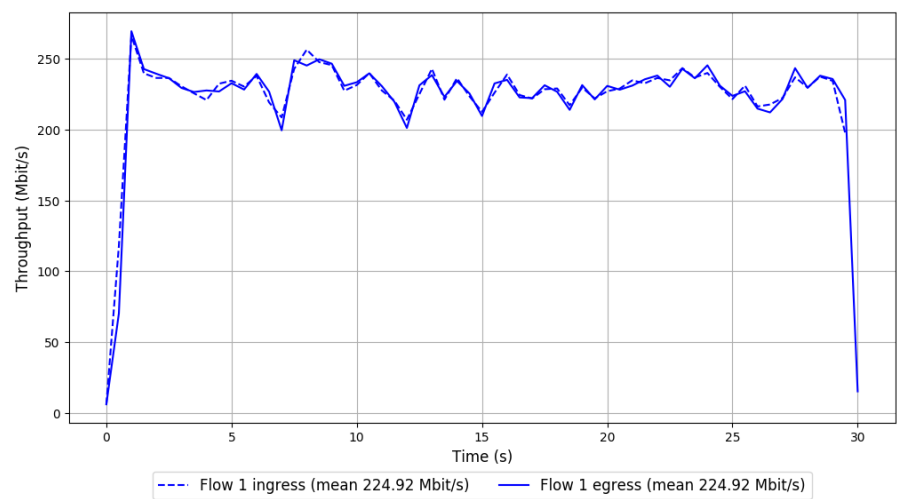
-- Flow 1:

Average throughput: 224.92 Mbit/s

95th percentile per-packet one-way delay: 86.502 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 09:23:31

End at: 2018-04-17 09:24:01

Below is generated by plot.py at 2018-04-17 11:42:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.12 Mbit/s

95th percentile per-packet one-way delay: 86.418 ms

Loss rate: 0.00%

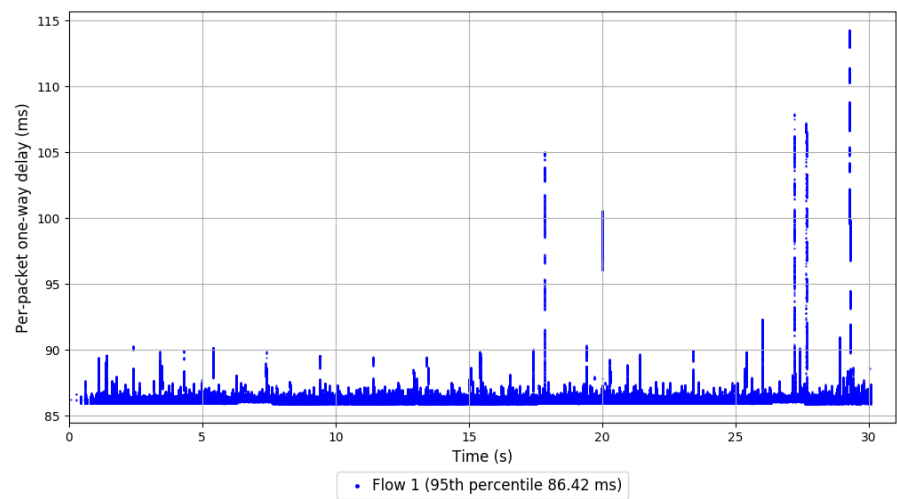
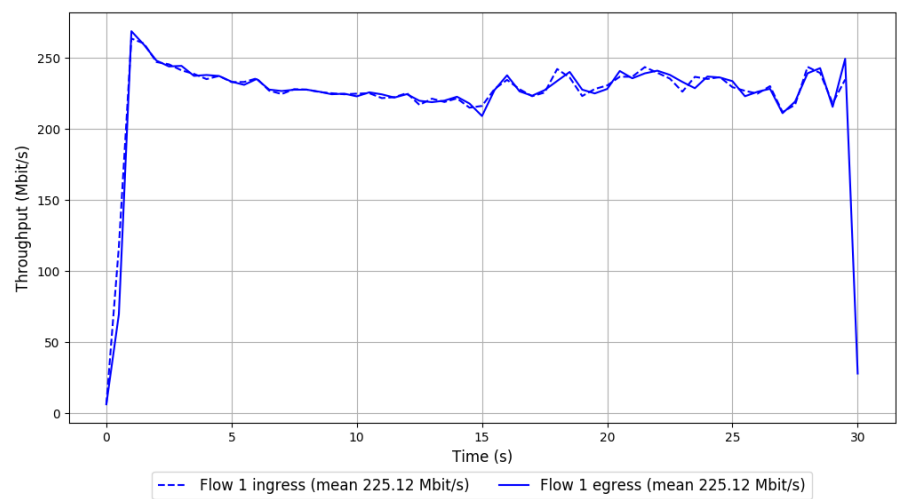
-- Flow 1:

Average throughput: 225.12 Mbit/s

95th percentile per-packet one-way delay: 86.418 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 09:37:00

End at: 2018-04-17 09:37:30

Below is generated by plot.py at 2018-04-17 11:42:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.14 Mbit/s

95th percentile per-packet one-way delay: 86.696 ms

Loss rate: 0.00%

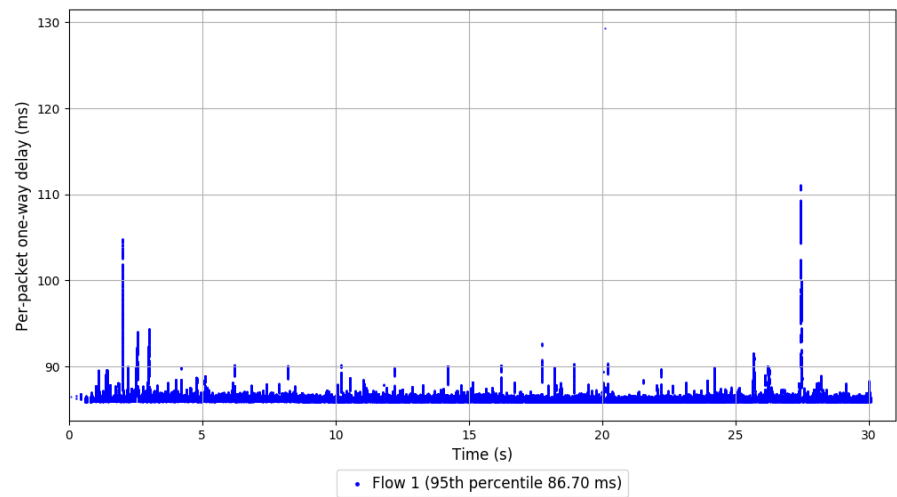
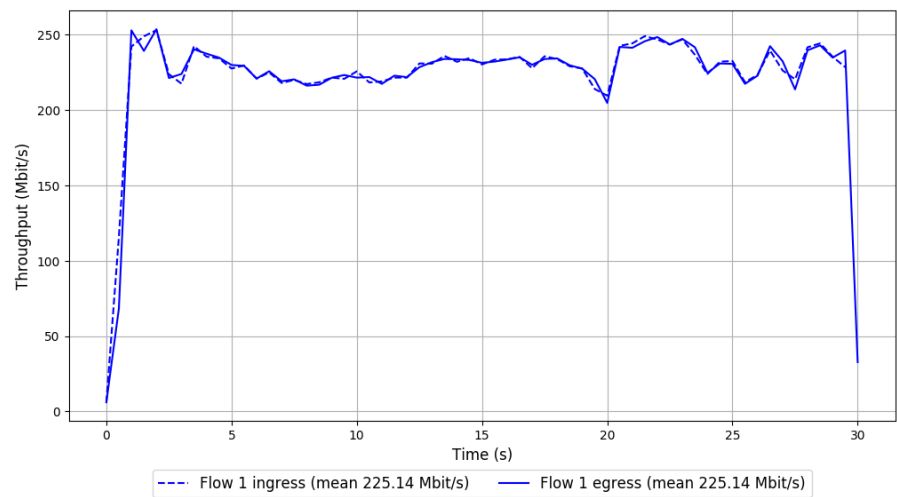
-- Flow 1:

Average throughput: 225.14 Mbit/s

95th percentile per-packet one-way delay: 86.696 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 09:50:16

End at: 2018-04-17 09:50:46

Below is generated by plot.py at 2018-04-17 11:45:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.47 Mbit/s

95th percentile per-packet one-way delay: 86.843 ms

Loss rate: 0.00%

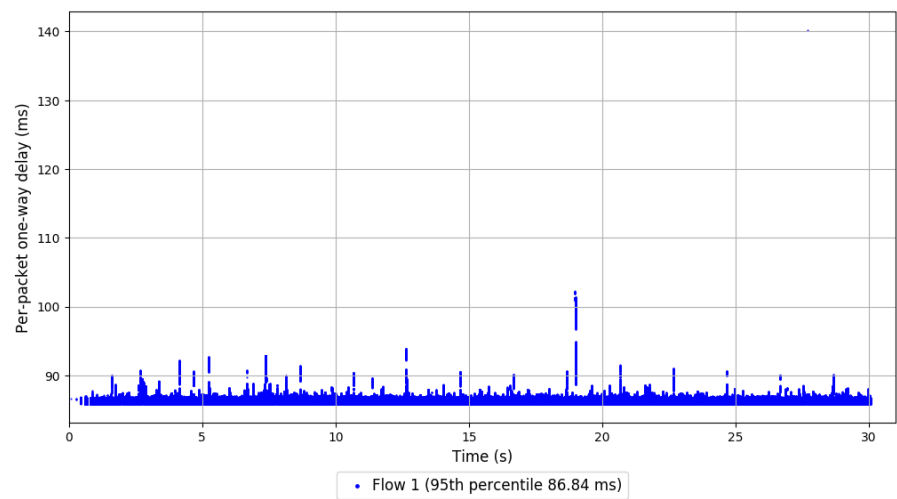
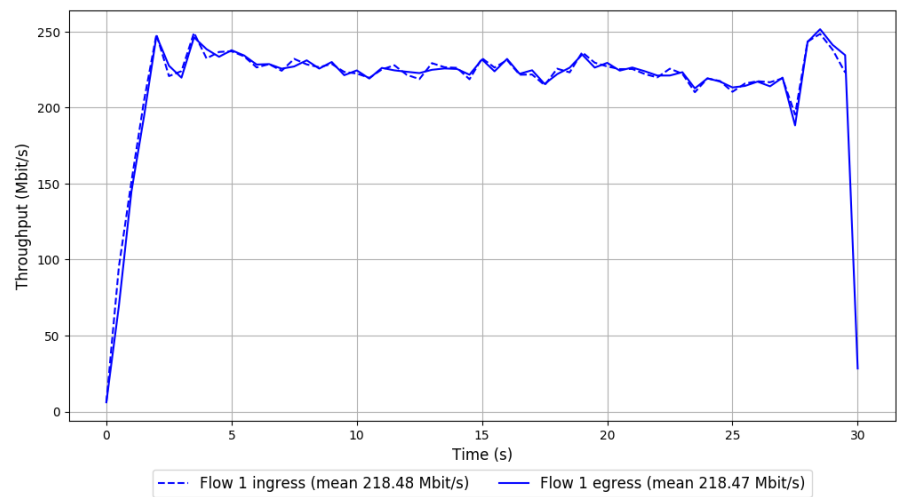
-- Flow 1:

Average throughput: 218.47 Mbit/s

95th percentile per-packet one-way delay: 86.843 ms

Loss rate: 0.00%

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

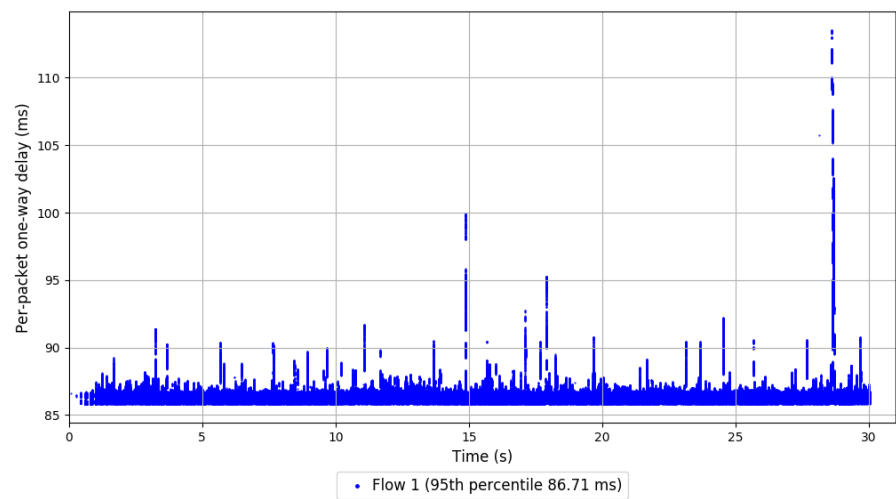
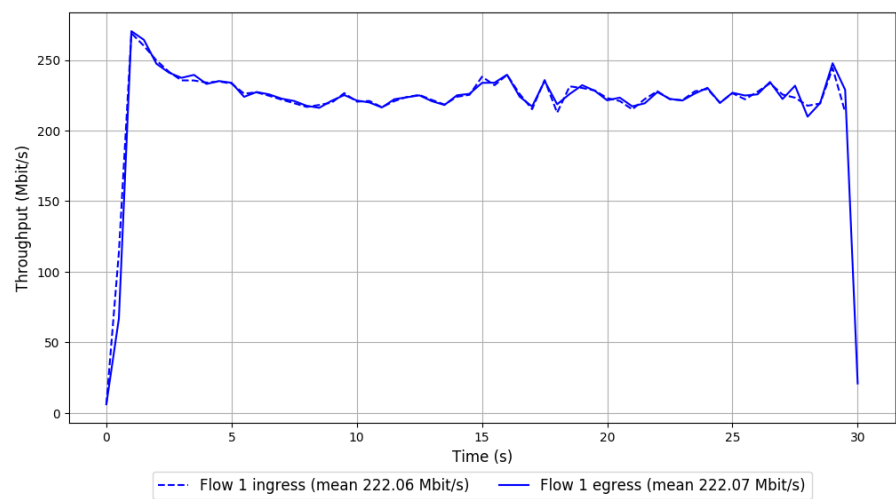


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 10:03:49
End at: 2018-04-17 10:04:19

# Below is generated by plot.py at 2018-04-17 11:45:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.07 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.07 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 07:54:19

End at: 2018-04-17 07:54:49

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.13 Mbit/s

95th percentile per-packet one-way delay: 95.543 ms

Loss rate: 0.00%

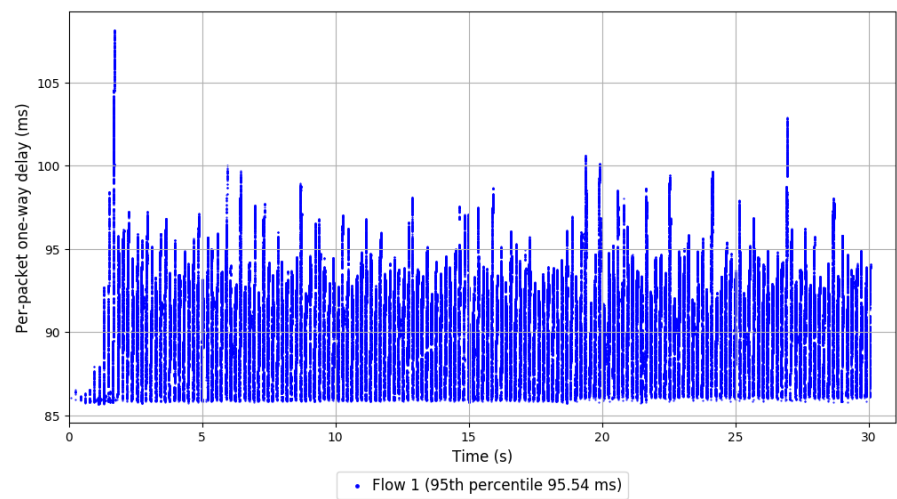
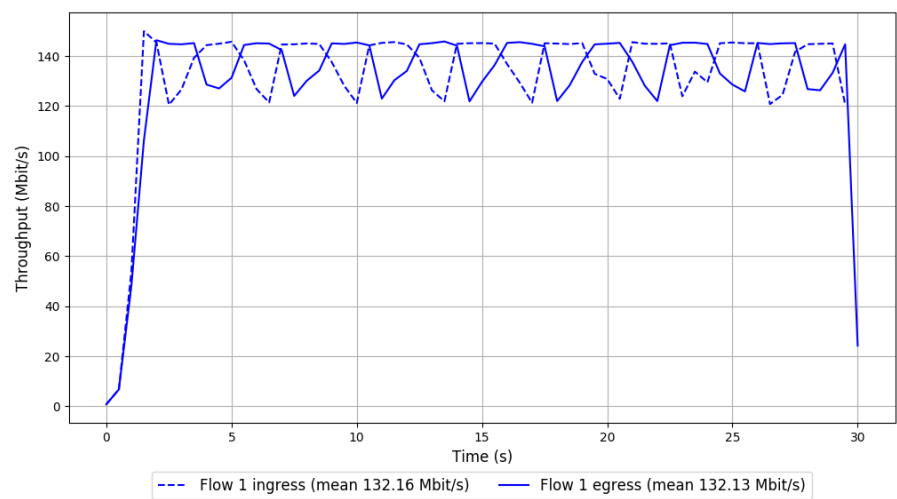
-- Flow 1:

Average throughput: 132.13 Mbit/s

95th percentile per-packet one-way delay: 95.543 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 08:07:48

End at: 2018-04-17 08:08:18

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.76 Mbit/s

95th percentile per-packet one-way delay: 87.779 ms

Loss rate: 0.00%

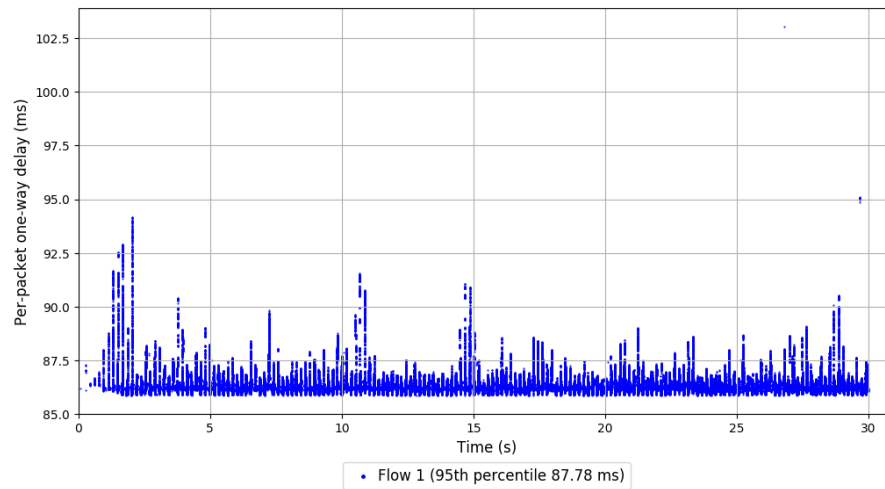
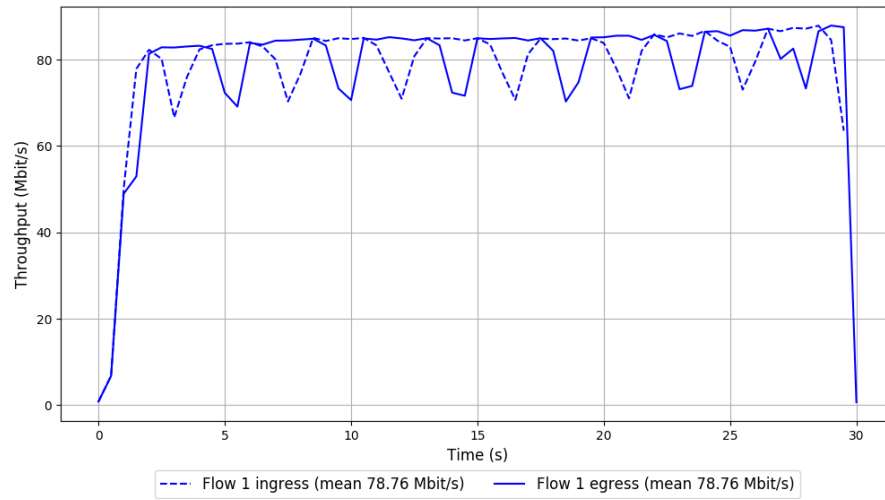
-- Flow 1:

Average throughput: 78.76 Mbit/s

95th percentile per-packet one-way delay: 87.779 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 08:21:21

End at: 2018-04-17 08:21:52

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.74 Mbit/s

95th percentile per-packet one-way delay: 88.481 ms

Loss rate: 0.00%

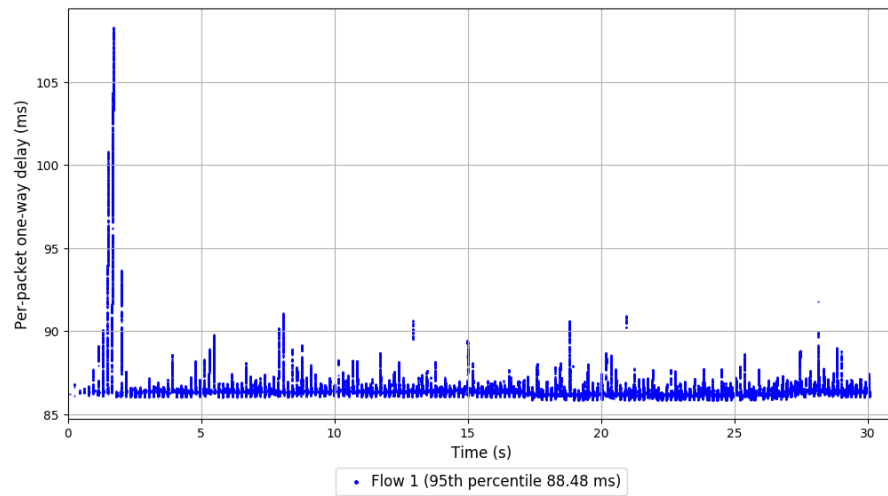
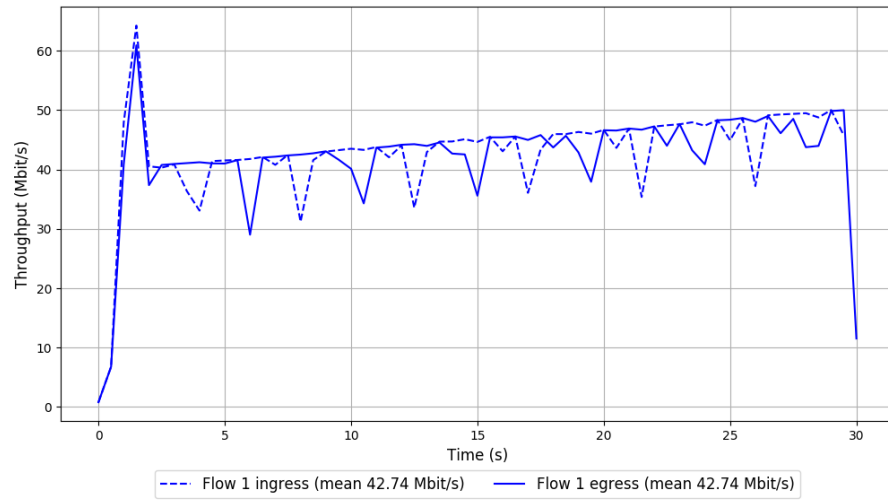
-- Flow 1:

Average throughput: 42.74 Mbit/s

95th percentile per-packet one-way delay: 88.481 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 08:34:58

End at: 2018-04-17 08:35:28

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.06 Mbit/s

95th percentile per-packet one-way delay: 88.289 ms

Loss rate: 0.00%

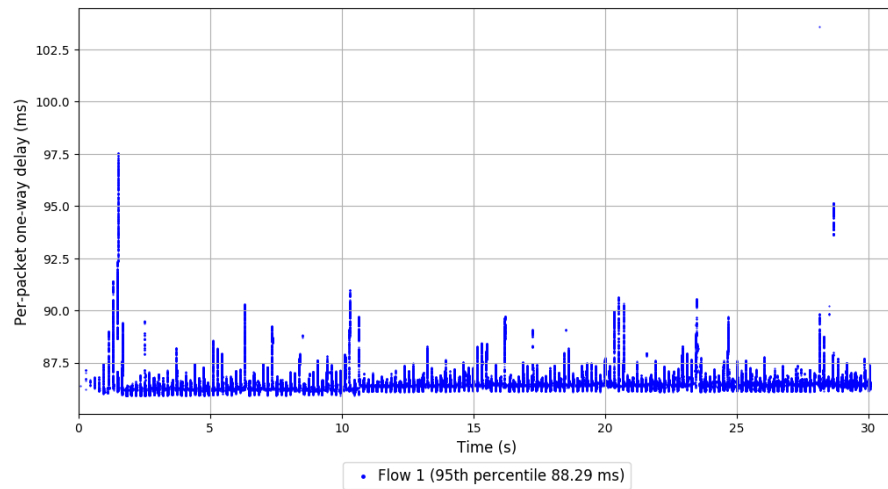
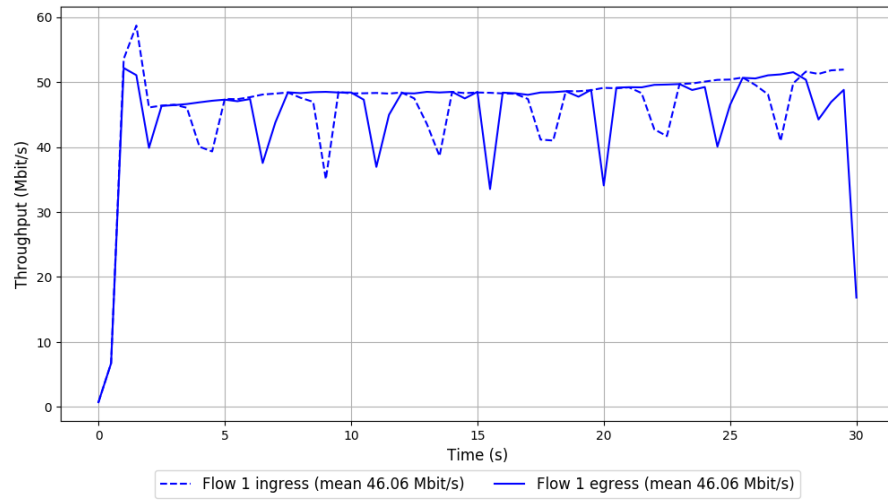
-- Flow 1:

Average throughput: 46.06 Mbit/s

95th percentile per-packet one-way delay: 88.289 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 08:48:28

End at: 2018-04-17 08:48:58

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.04 Mbit/s

95th percentile per-packet one-way delay: 95.799 ms

Loss rate: 0.00%

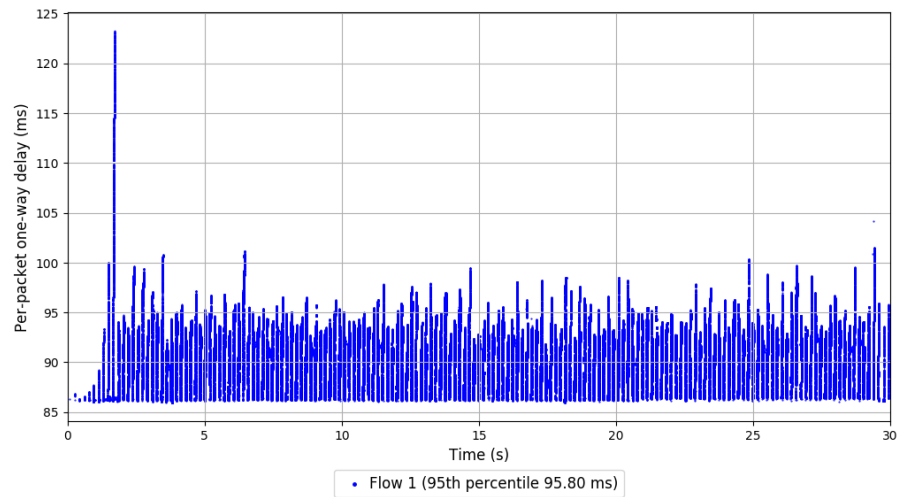
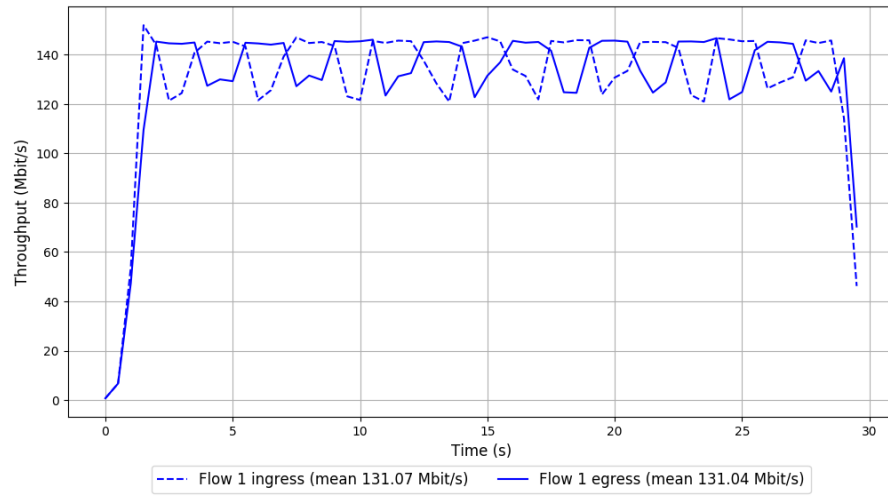
-- Flow 1:

Average throughput: 131.04 Mbit/s

95th percentile per-packet one-way delay: 95.799 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 09:02:08

End at: 2018-04-17 09:02:38

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.18 Mbit/s

95th percentile per-packet one-way delay: 88.139 ms

Loss rate: 0.00%

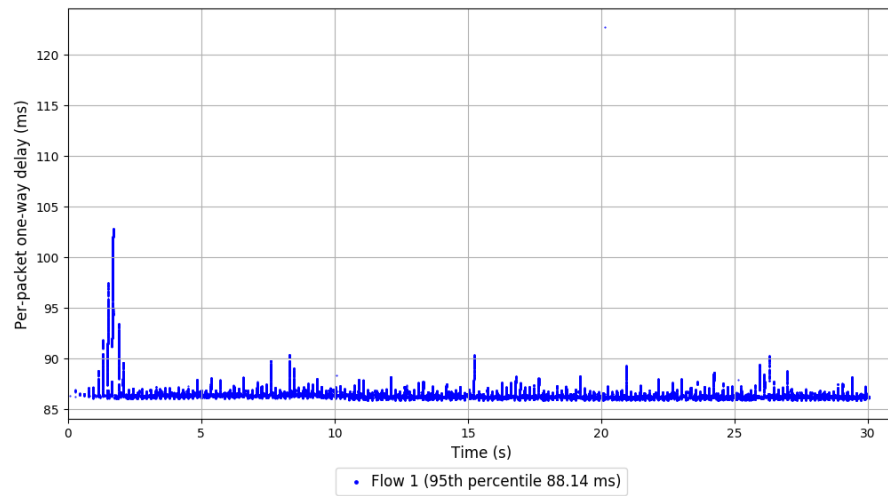
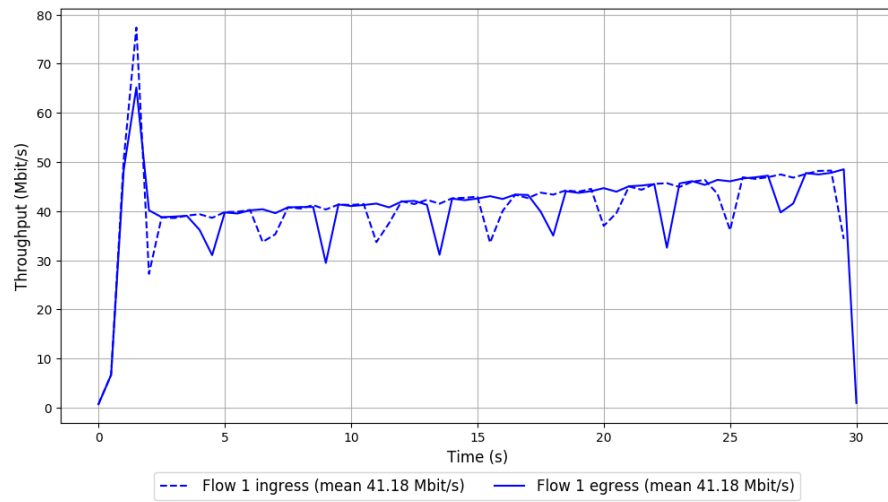
-- Flow 1:

Average throughput: 41.18 Mbit/s

95th percentile per-packet one-way delay: 88.139 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 09:15:44

End at: 2018-04-17 09:16:14

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.59 Mbit/s

95th percentile per-packet one-way delay: 88.012 ms

Loss rate: 0.00%

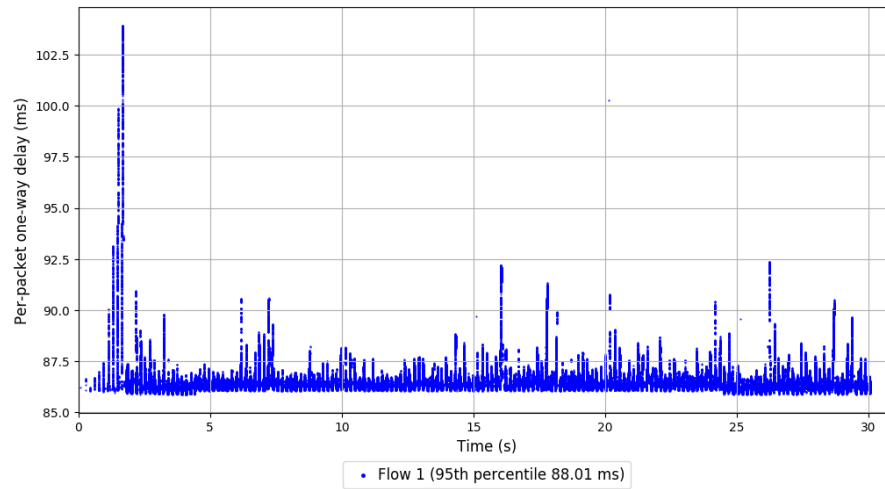
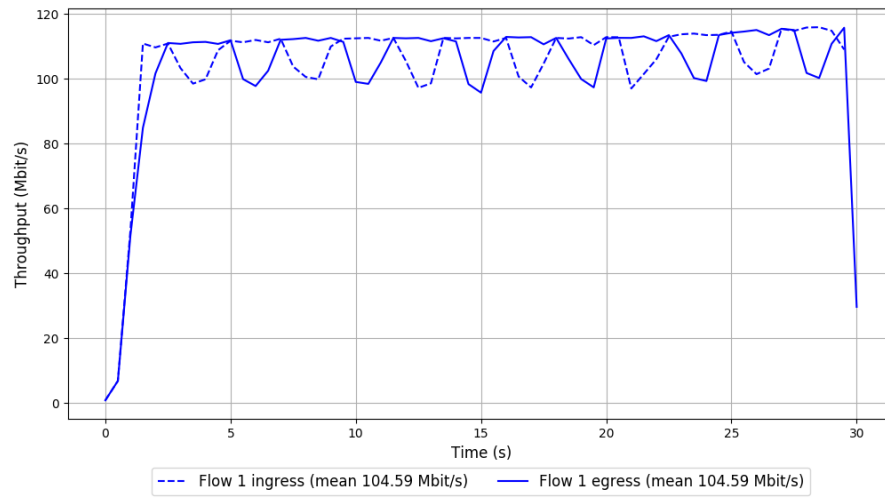
-- Flow 1:

Average throughput: 104.59 Mbit/s

95th percentile per-packet one-way delay: 88.012 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 09:29:04

End at: 2018-04-17 09:29:34

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.38 Mbit/s

95th percentile per-packet one-way delay: 88.540 ms

Loss rate: 0.00%

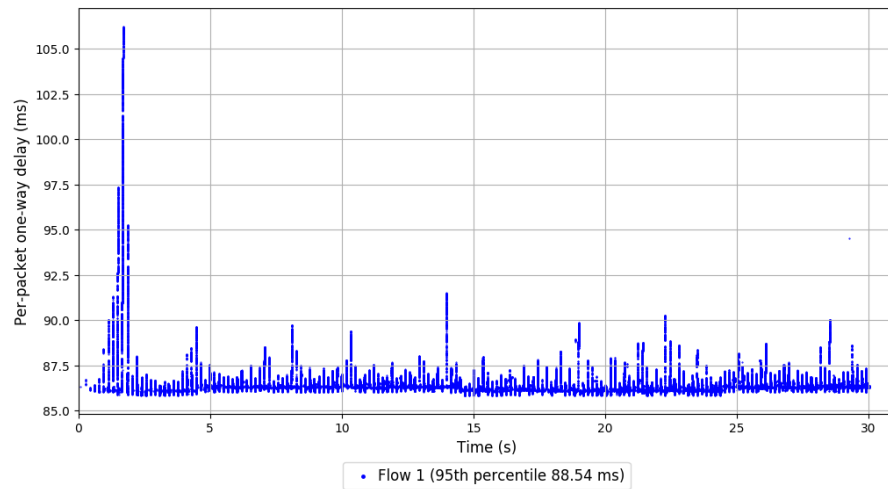
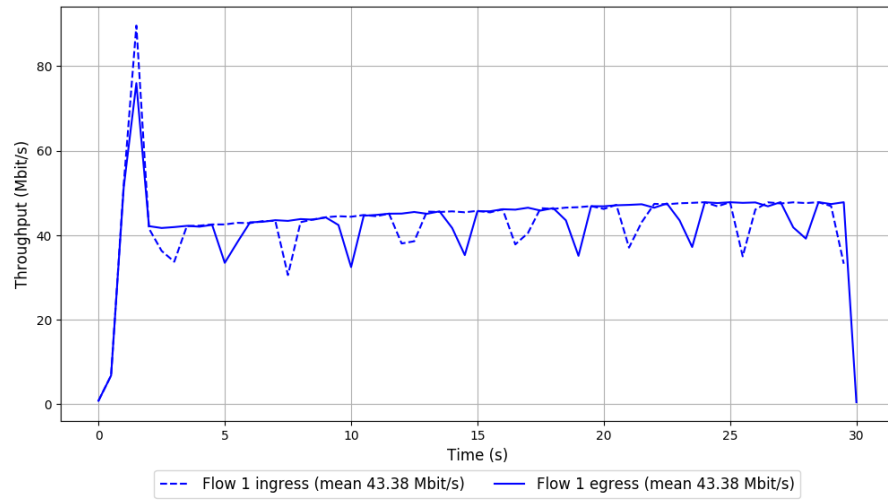
-- Flow 1:

Average throughput: 43.38 Mbit/s

95th percentile per-packet one-way delay: 88.540 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 09:42:36

End at: 2018-04-17 09:43:06

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.32 Mbit/s

95th percentile per-packet one-way delay: 88.081 ms

Loss rate: 0.00%

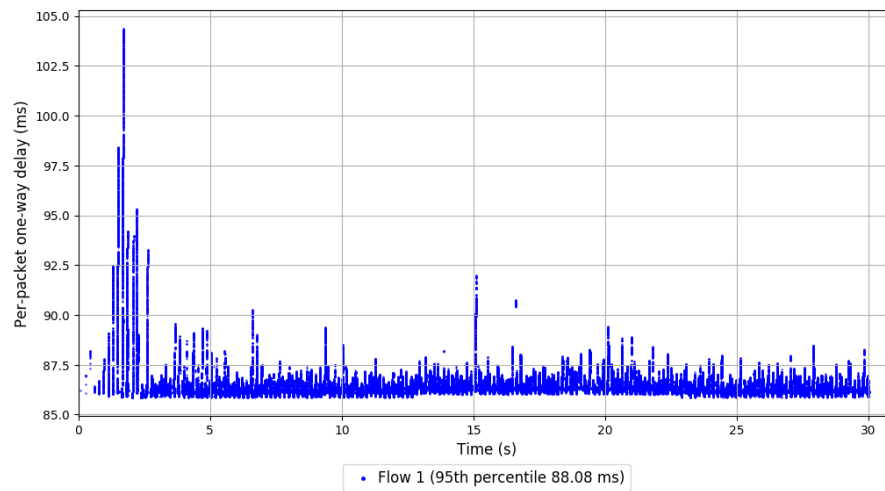
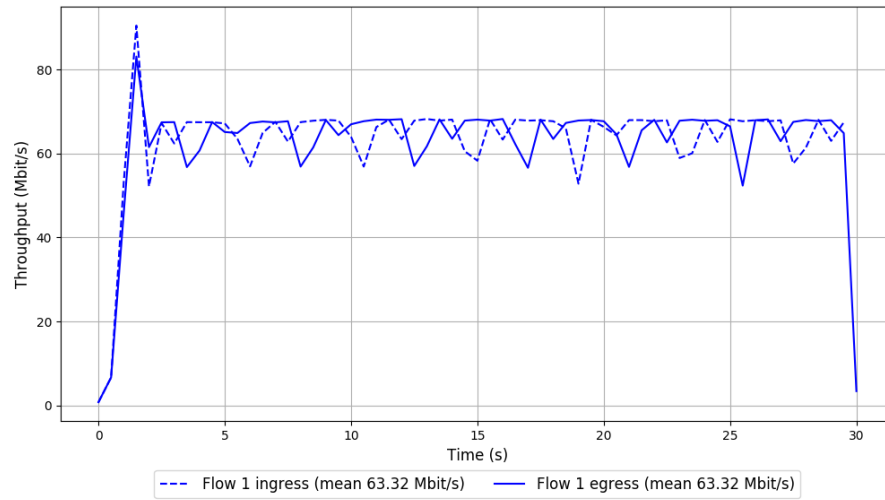
-- Flow 1:

Average throughput: 63.32 Mbit/s

95th percentile per-packet one-way delay: 88.081 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 09:55:49

End at: 2018-04-17 09:56:19

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.84 Mbit/s

95th percentile per-packet one-way delay: 88.437 ms

Loss rate: 0.00%

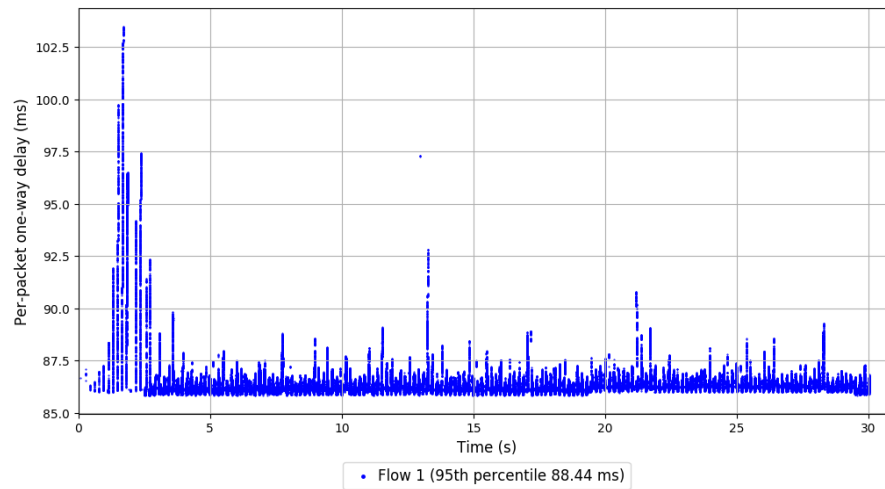
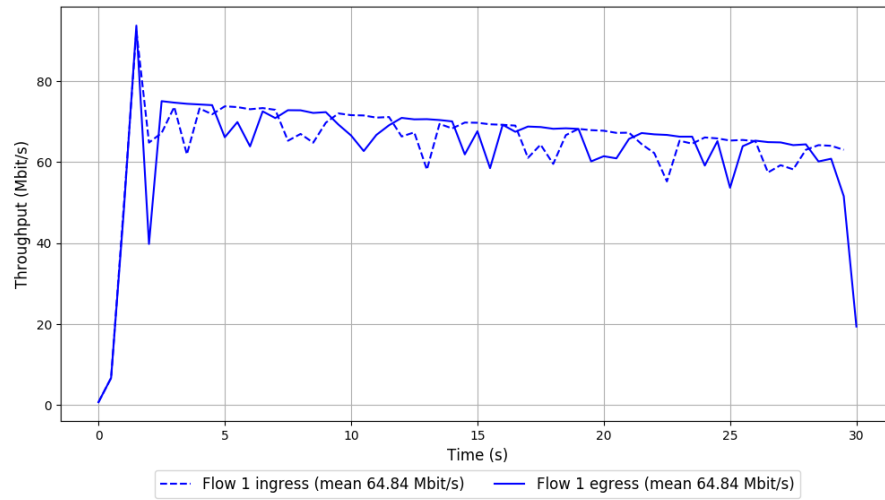
-- Flow 1:

Average throughput: 64.84 Mbit/s

95th percentile per-packet one-way delay: 88.437 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

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

End at: 2018-04-17 07:56:14

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.99 Mbit/s

95th percentile per-packet one-way delay: 145.528 ms

Loss rate: 0.06%

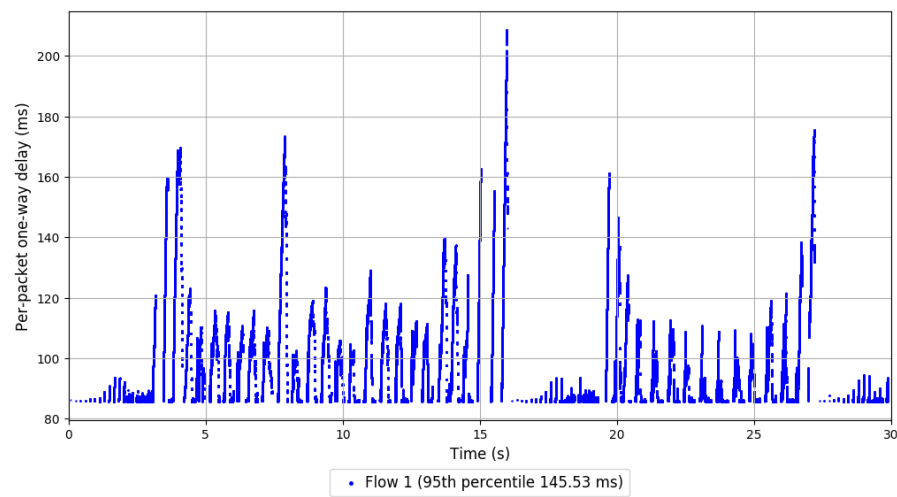
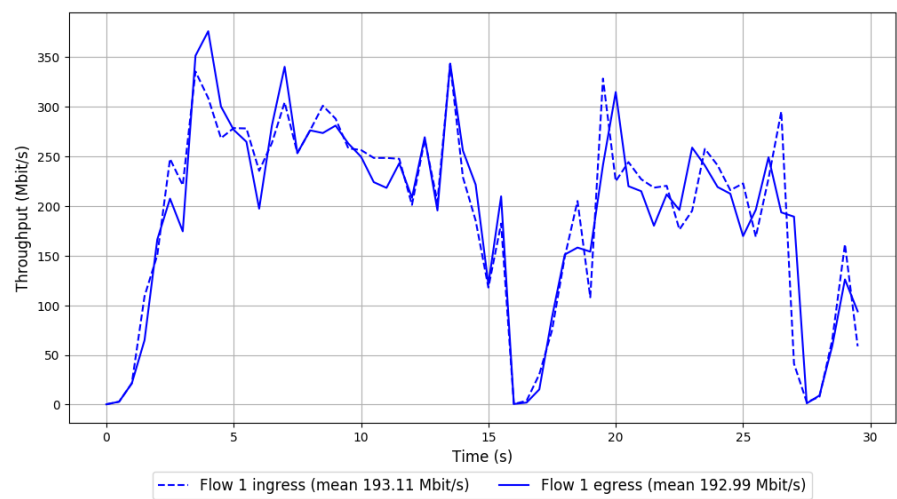
-- Flow 1:

Average throughput: 192.99 Mbit/s

95th percentile per-packet one-way delay: 145.528 ms

Loss rate: 0.06%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-17 08:09:10

End at: 2018-04-17 08:09:40

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.64 Mbit/s

95th percentile per-packet one-way delay: 283.244 ms

Loss rate: 1.30%

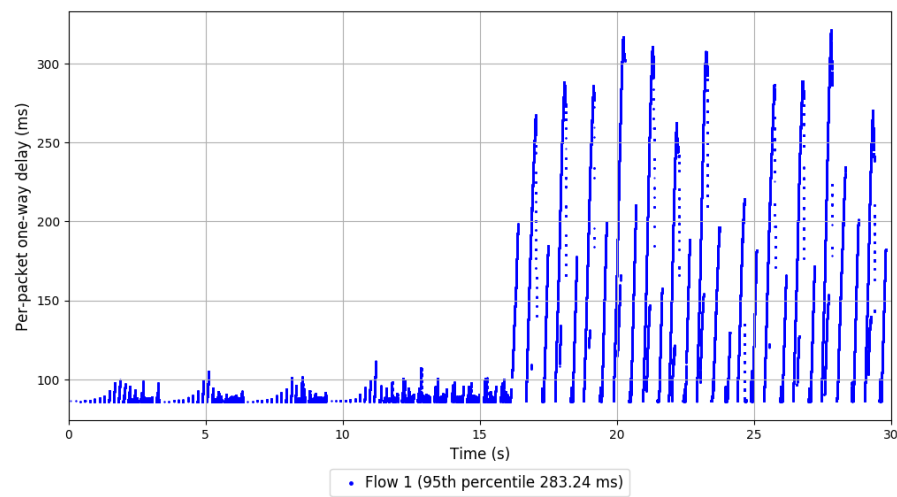
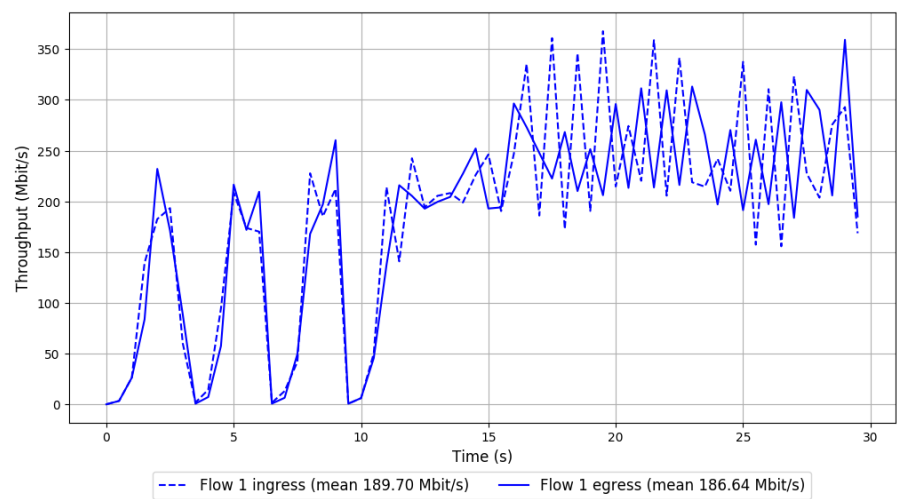
-- Flow 1:

Average throughput: 186.64 Mbit/s

95th percentile per-packet one-way delay: 283.244 ms

Loss rate: 1.30%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-17 08:22:42

End at: 2018-04-17 08:23:12

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.39 Mbit/s

95th percentile per-packet one-way delay: 152.858 ms

Loss rate: 0.00%

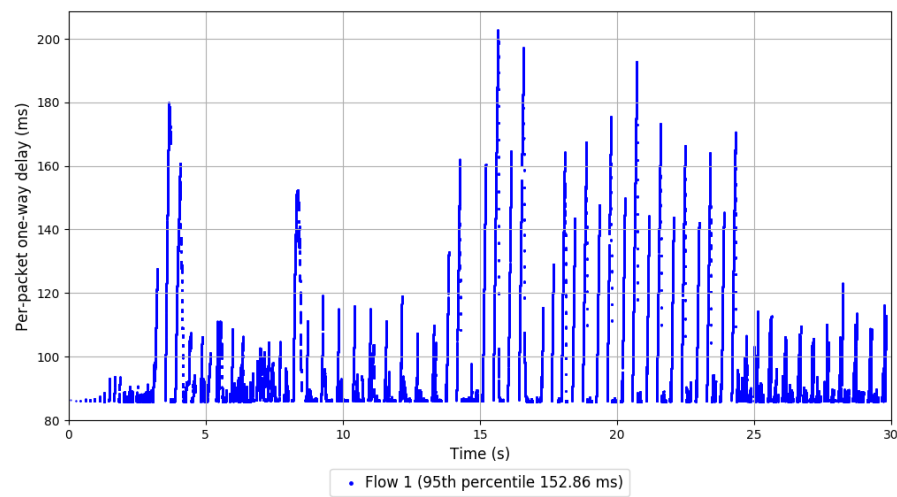
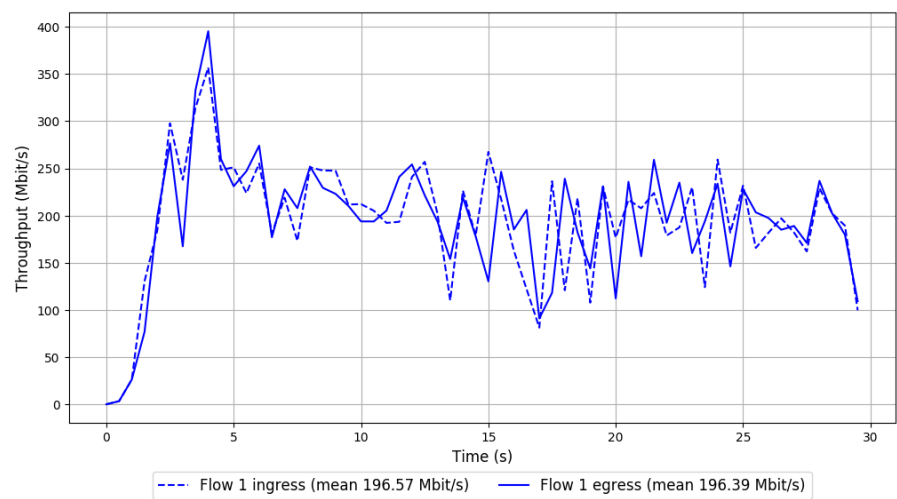
-- Flow 1:

Average throughput: 196.39 Mbit/s

95th percentile per-packet one-way delay: 152.858 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-17 08:36:18

End at: 2018-04-17 08:36:48

Below is generated by plot.py at 2018-04-17 11:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.19 Mbit/s

95th percentile per-packet one-way delay: 172.240 ms

Loss rate: 0.10%

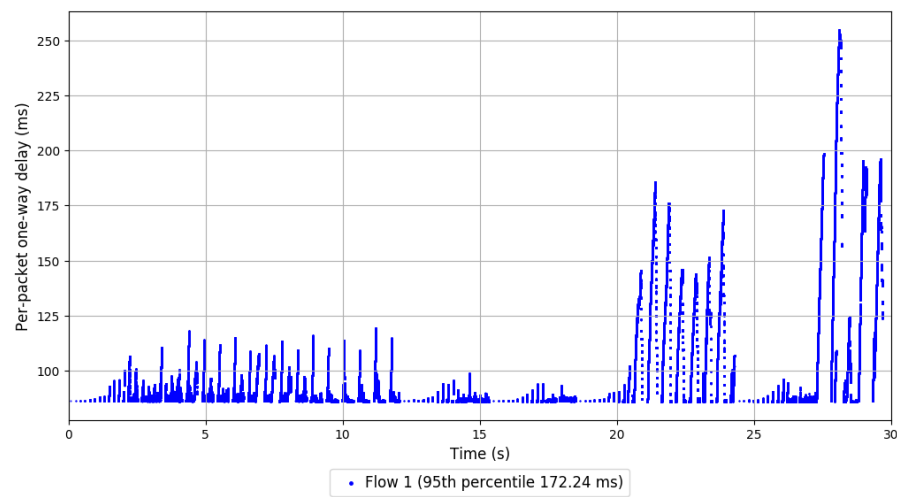
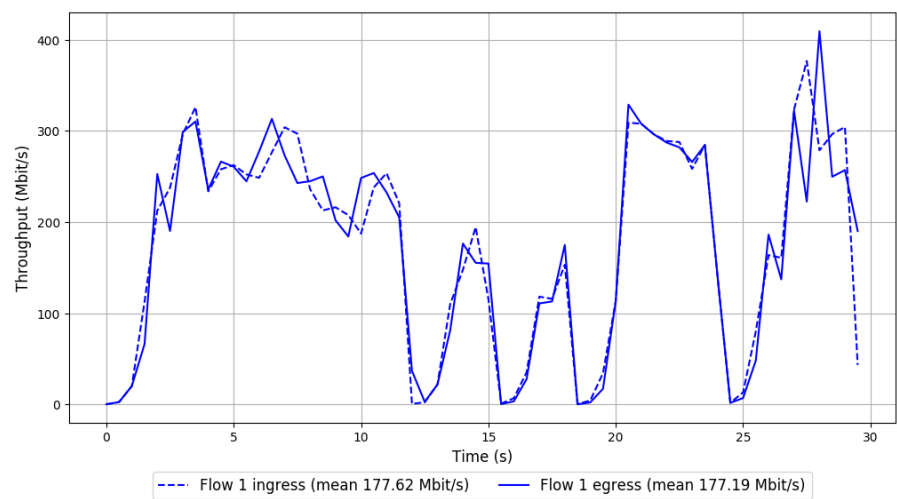
-- Flow 1:

Average throughput: 177.19 Mbit/s

95th percentile per-packet one-way delay: 172.240 ms

Loss rate: 0.10%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 08:49:52

End at: 2018-04-17 08:50:22

Below is generated by plot.py at 2018-04-17 11:46:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.41 Mbit/s

95th percentile per-packet one-way delay: 163.011 ms

Loss rate: 0.00%

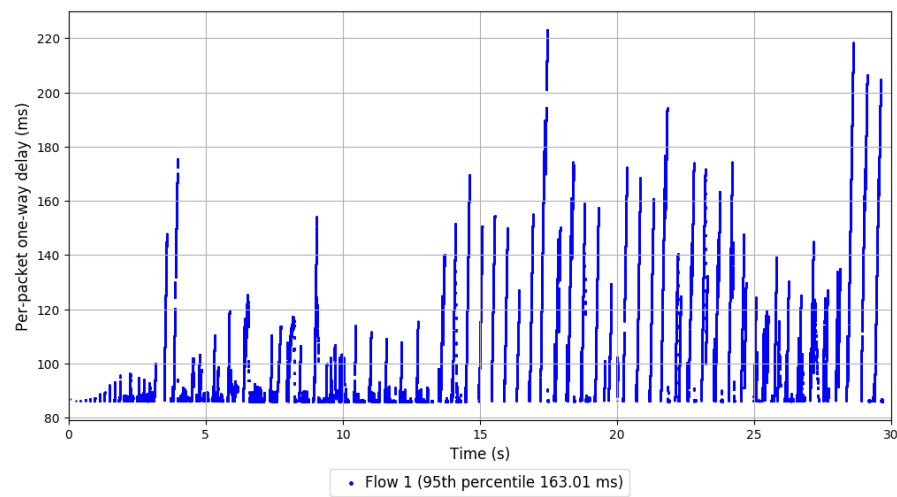
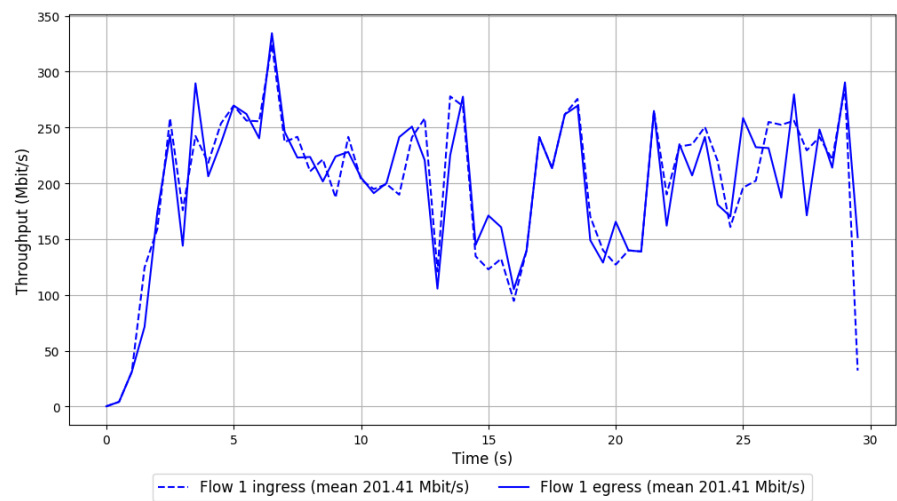
-- Flow 1:

Average throughput: 201.41 Mbit/s

95th percentile per-packet one-way delay: 163.011 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-17 09:03:28

End at: 2018-04-17 09:03:58

Below is generated by plot.py at 2018-04-17 11:46:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.26 Mbit/s

95th percentile per-packet one-way delay: 132.655 ms

Loss rate: 0.00%

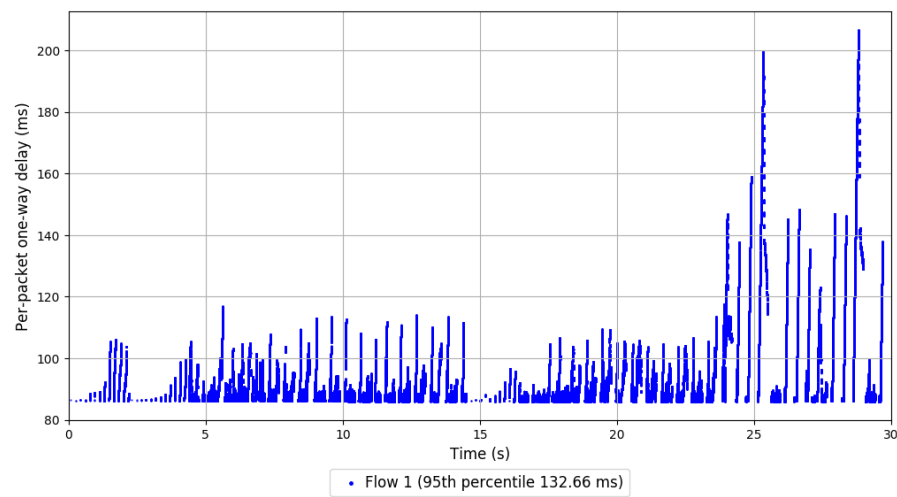
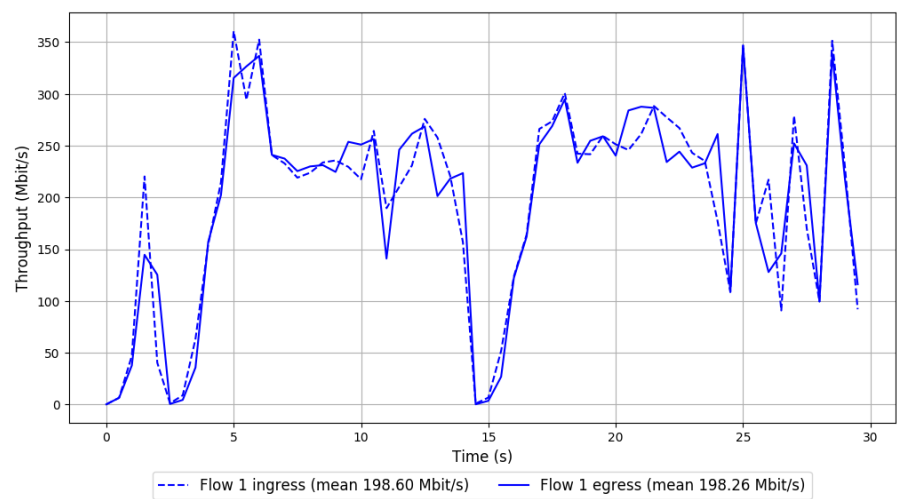
-- Flow 1:

Average throughput: 198.26 Mbit/s

95th percentile per-packet one-way delay: 132.655 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

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

End at: 2018-04-17 09:17:37

Below is generated by plot.py at 2018-04-17 11:47:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.76 Mbit/s

95th percentile per-packet one-way delay: 104.074 ms

Loss rate: 0.00%

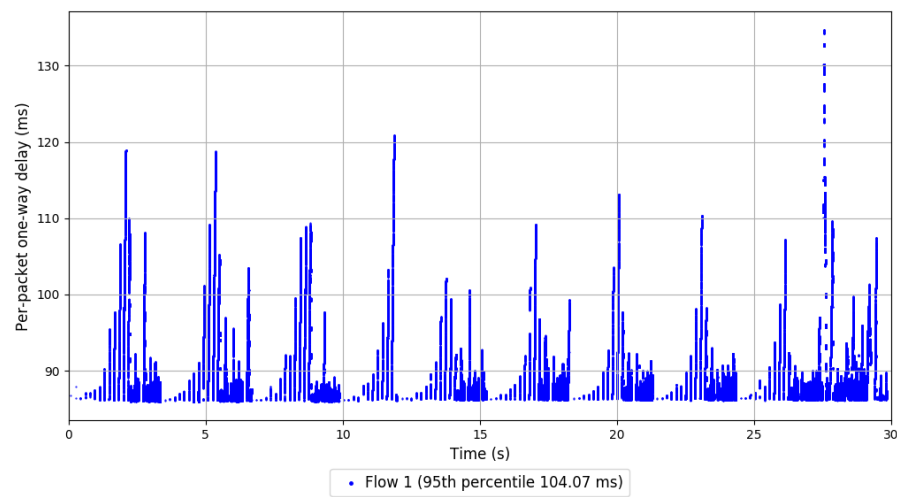
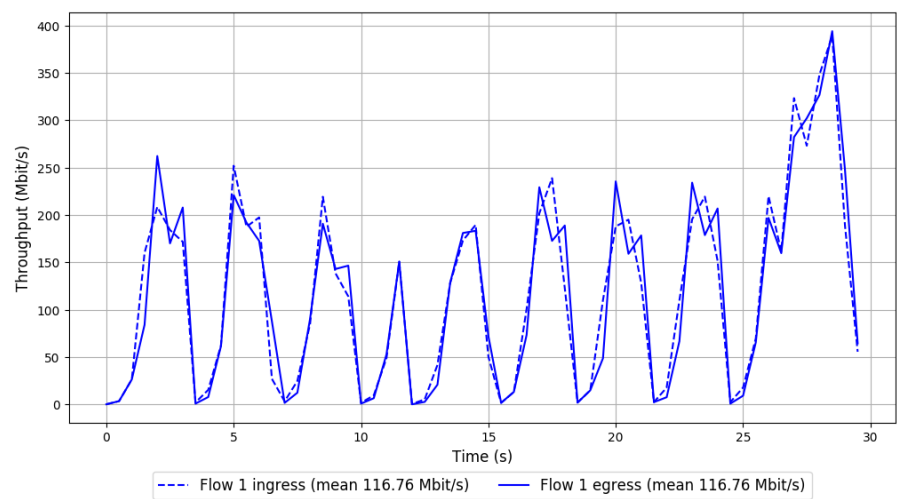
-- Flow 1:

Average throughput: 116.76 Mbit/s

95th percentile per-packet one-way delay: 104.074 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-17 09:30:24

End at: 2018-04-17 09:30:54

Below is generated by plot.py at 2018-04-17 11:50:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.35 Mbit/s

95th percentile per-packet one-way delay: 215.874 ms

Loss rate: 0.04%

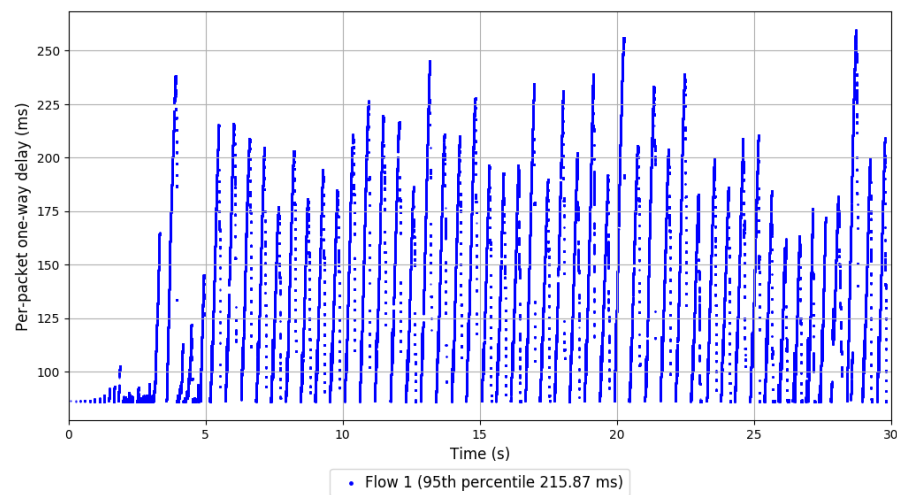
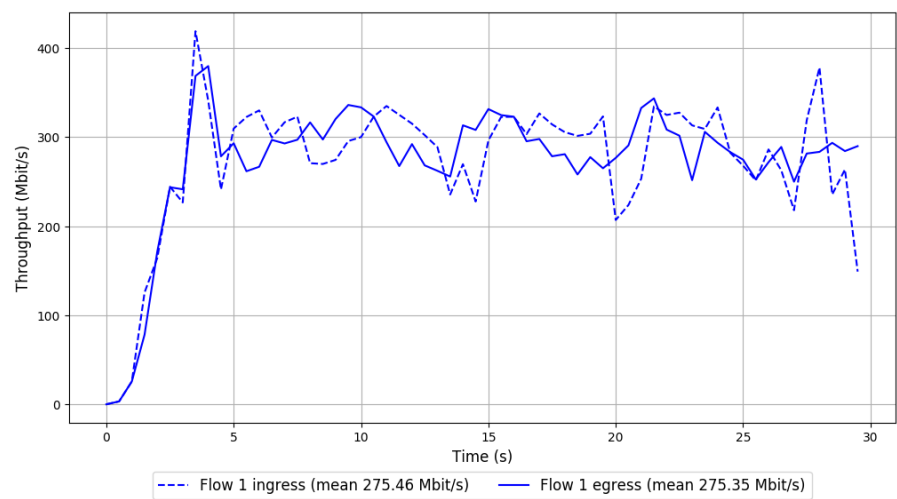
-- Flow 1:

Average throughput: 275.35 Mbit/s

95th percentile per-packet one-way delay: 215.874 ms

Loss rate: 0.04%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-17 09:43:57

End at: 2018-04-17 09:44:27

Below is generated by plot.py at 2018-04-17 11:50:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.35 Mbit/s

95th percentile per-packet one-way delay: 126.237 ms

Loss rate: 0.00%

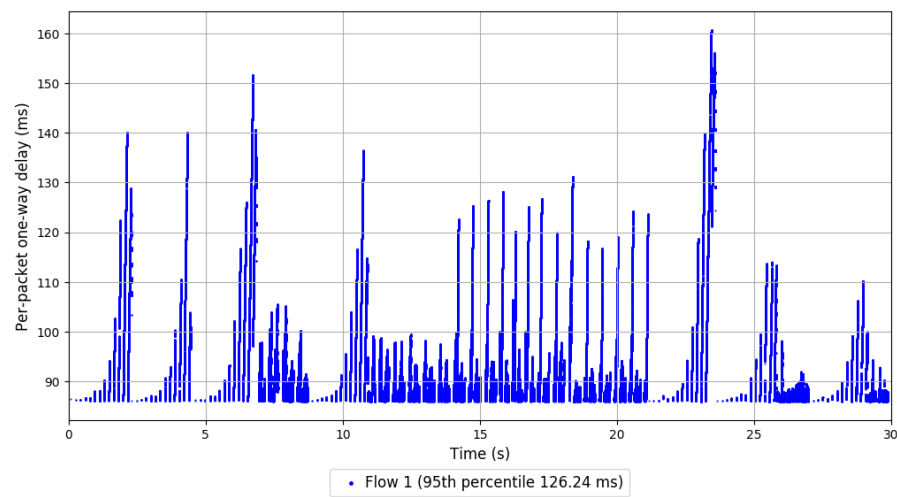
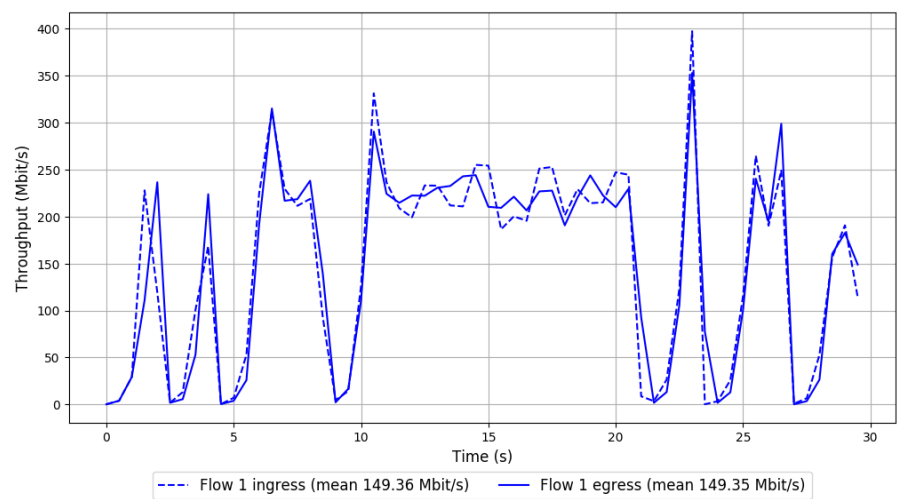
-- Flow 1:

Average throughput: 149.35 Mbit/s

95th percentile per-packet one-way delay: 126.237 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-17 09:57:10

End at: 2018-04-17 09:57:40

Below is generated by plot.py at 2018-04-17 11:50:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.16 Mbit/s

95th percentile per-packet one-way delay: 107.138 ms

Loss rate: 0.05%

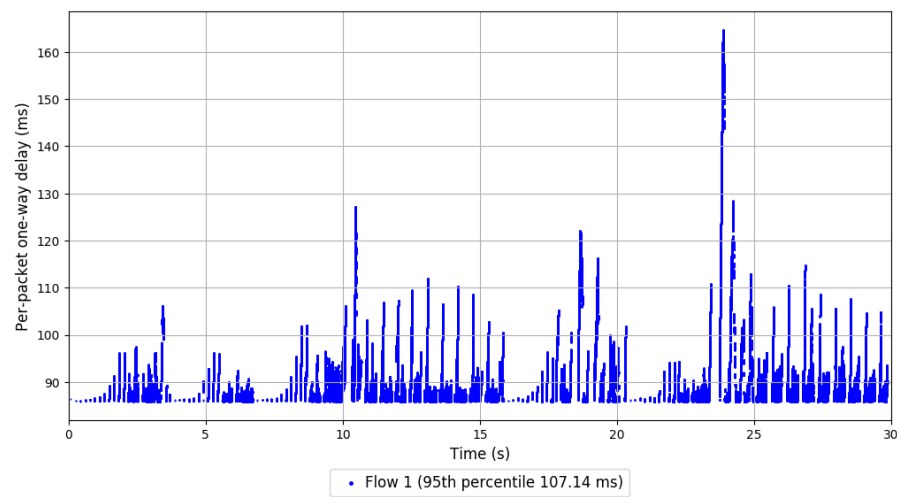
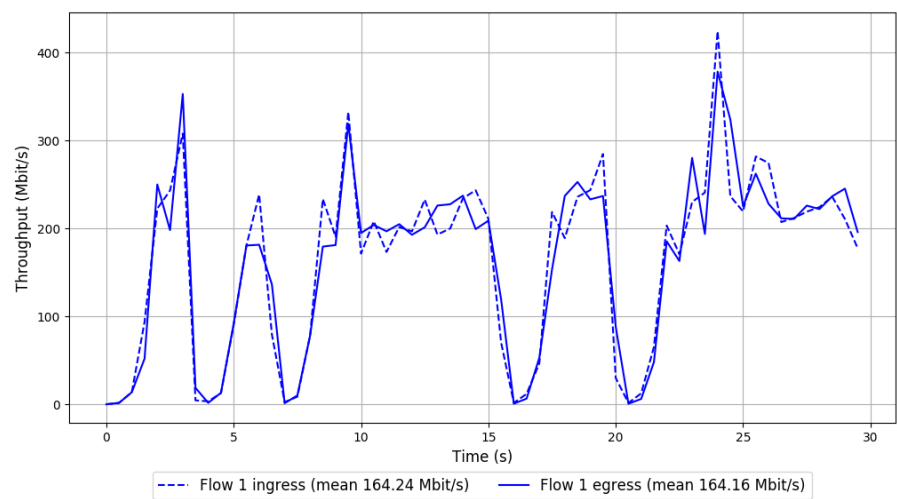
-- Flow 1:

Average throughput: 164.16 Mbit/s

95th percentile per-packet one-way delay: 107.138 ms

Loss rate: 0.05%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-17 07:51:22

End at: 2018-04-17 07:51:52

Below is generated by plot.py at 2018-04-17 11:50:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.52 Mbit/s

95th percentile per-packet one-way delay: 86.116 ms

Loss rate: 0.00%

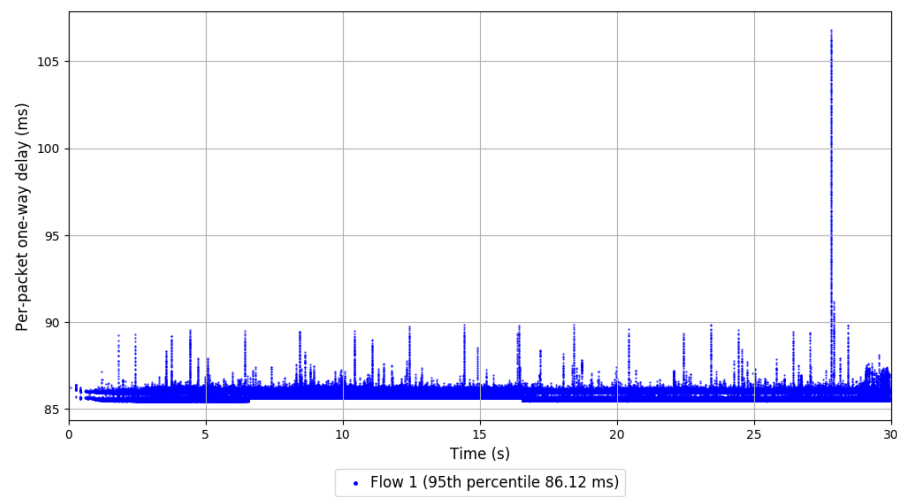
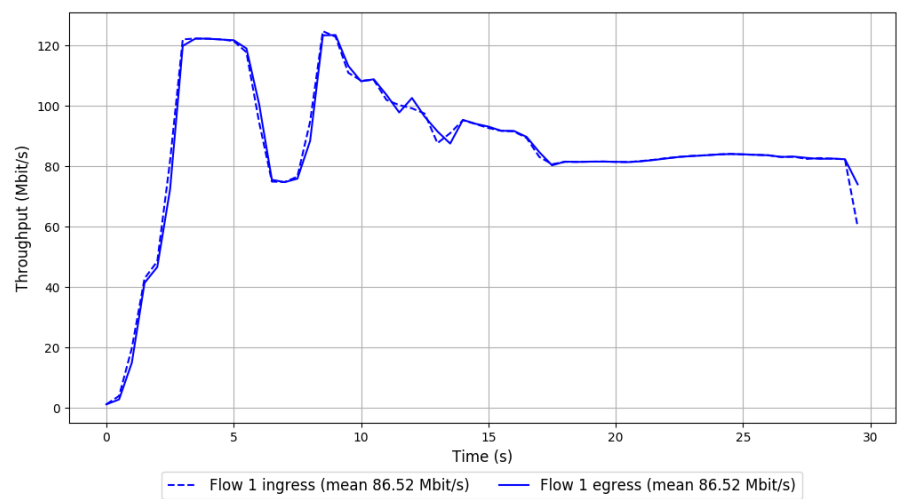
-- Flow 1:

Average throughput: 86.52 Mbit/s

95th percentile per-packet one-way delay: 86.116 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-17 08:04:50

End at: 2018-04-17 08:05:20

Below is generated by plot.py at 2018-04-17 11:50:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.53 Mbit/s

95th percentile per-packet one-way delay: 86.171 ms

Loss rate: 0.00%

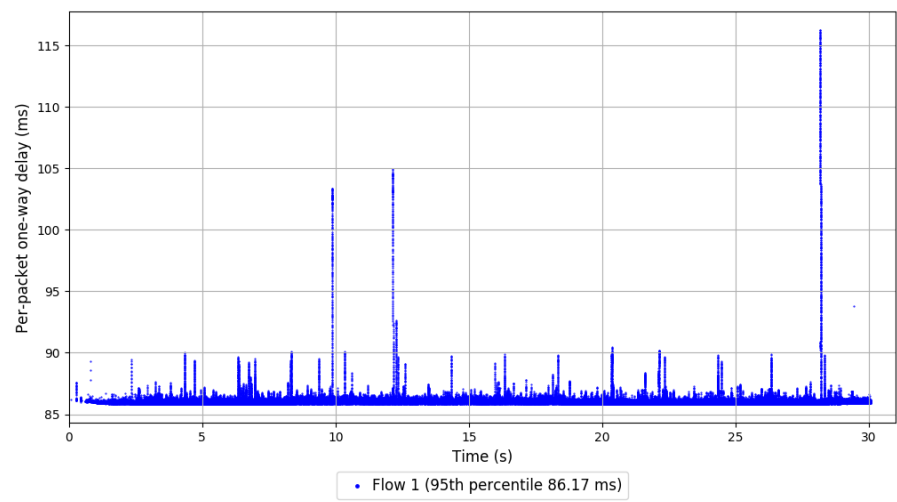
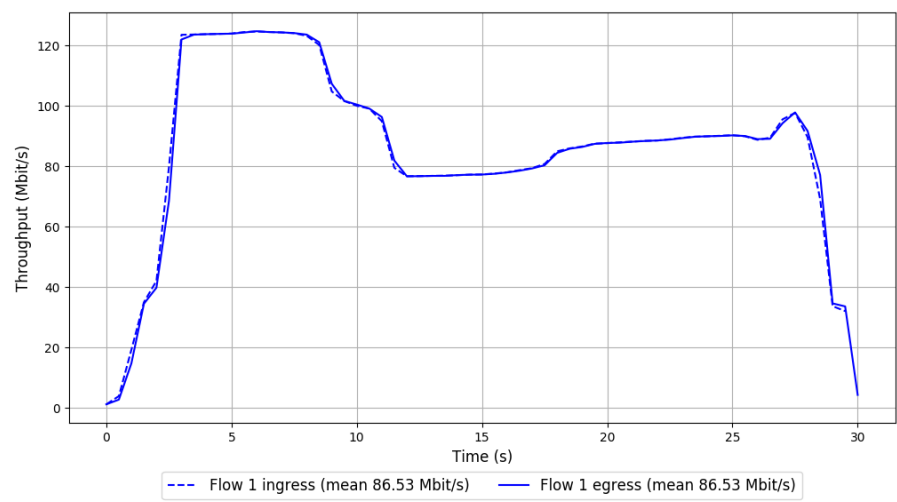
-- Flow 1:

Average throughput: 86.53 Mbit/s

95th percentile per-packet one-way delay: 86.171 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-17 08:18:24

End at: 2018-04-17 08:18:54

Below is generated by plot.py at 2018-04-17 11:50:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.30 Mbit/s

95th percentile per-packet one-way delay: 86.539 ms

Loss rate: 0.00%

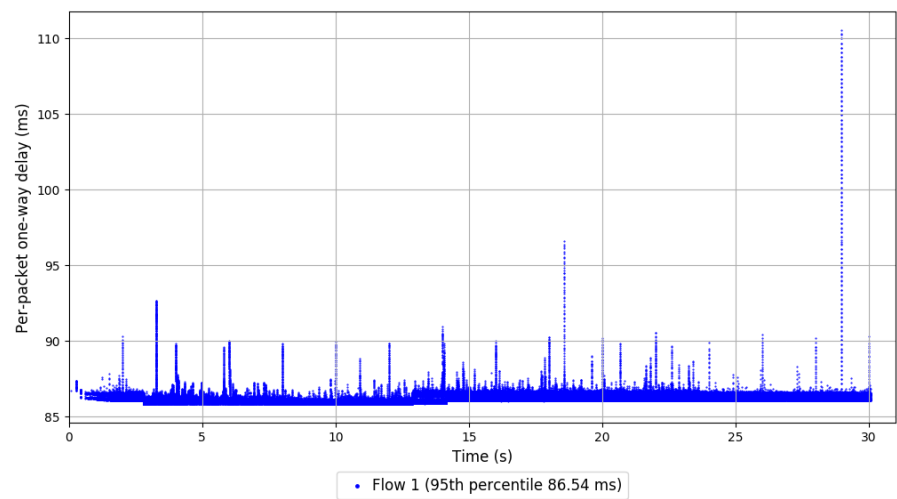
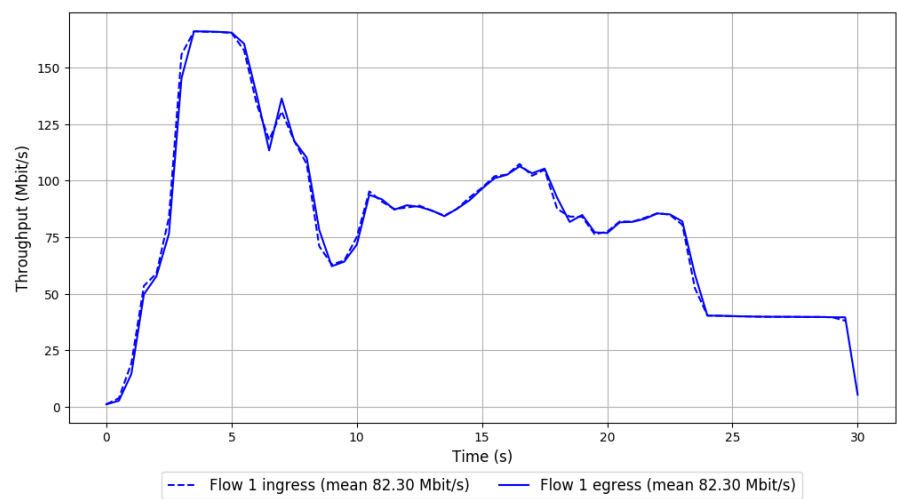
-- Flow 1:

Average throughput: 82.30 Mbit/s

95th percentile per-packet one-way delay: 86.539 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-17 08:32:00

End at: 2018-04-17 08:32:30

Below is generated by plot.py at 2018-04-17 11:50:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 86.270 ms

Loss rate: 0.00%

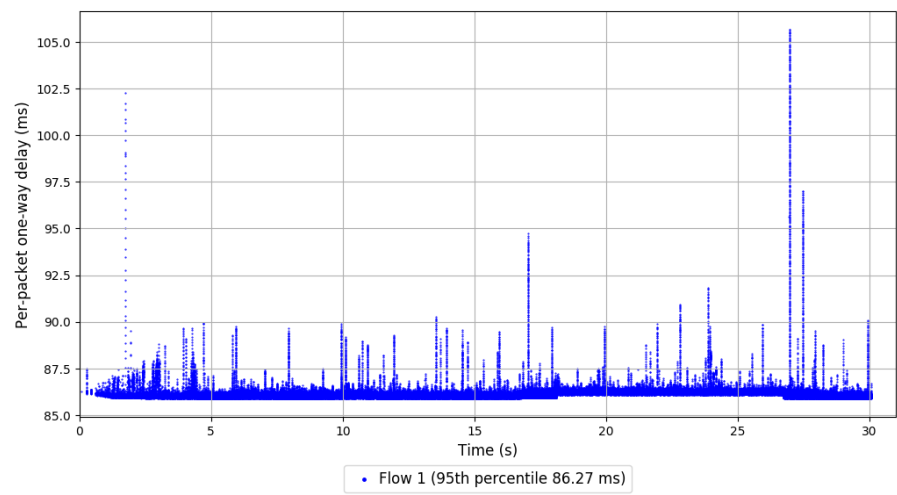
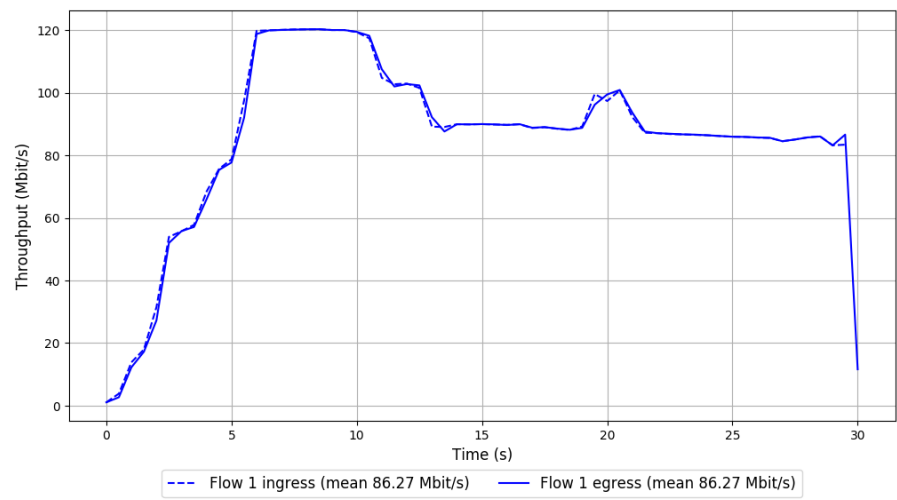
-- Flow 1:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 86.270 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-17 08:45:30

End at: 2018-04-17 08:46:00

Below is generated by plot.py at 2018-04-17 11:50:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.92 Mbit/s

95th percentile per-packet one-way delay: 86.293 ms

Loss rate: 0.00%

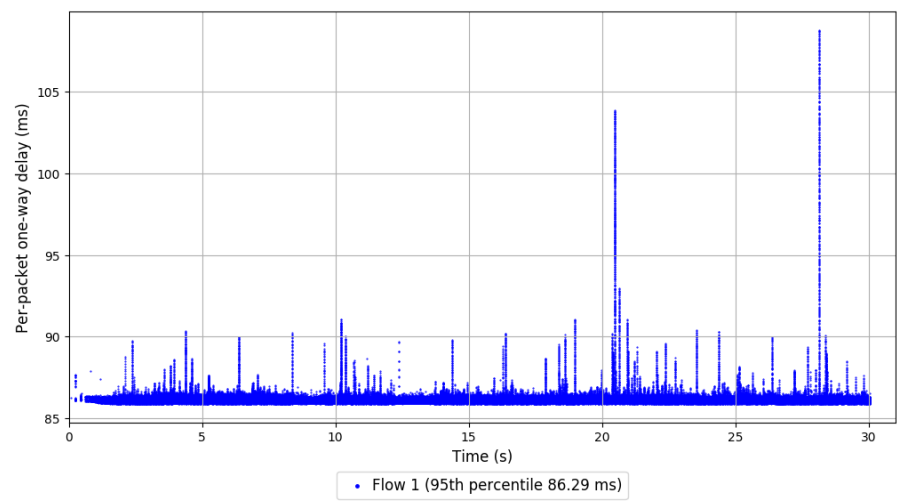
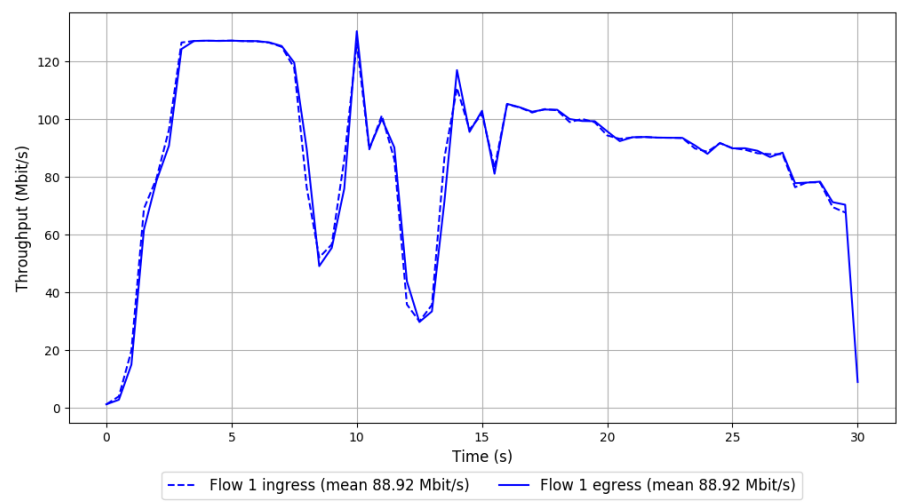
-- Flow 1:

Average throughput: 88.92 Mbit/s

95th percentile per-packet one-way delay: 86.293 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-17 08:59:10

End at: 2018-04-17 08:59:40

Below is generated by plot.py at 2018-04-17 11:50:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 86.255 ms

Loss rate: 0.00%

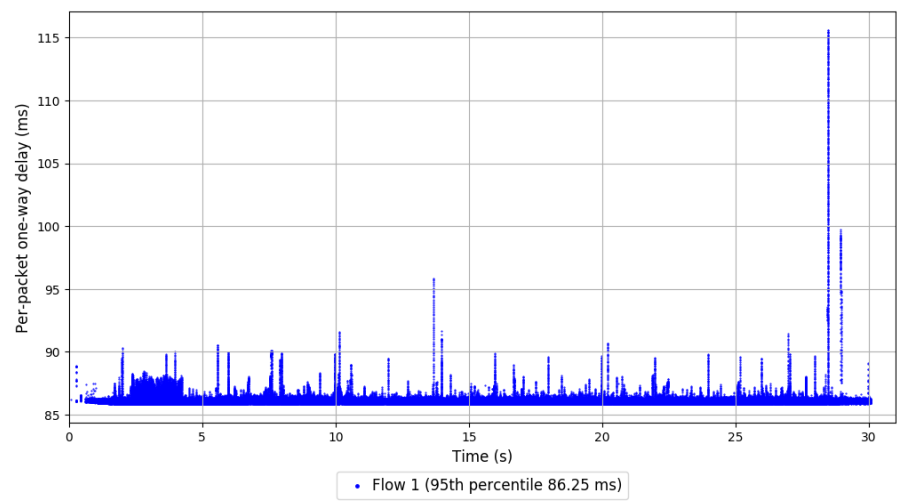
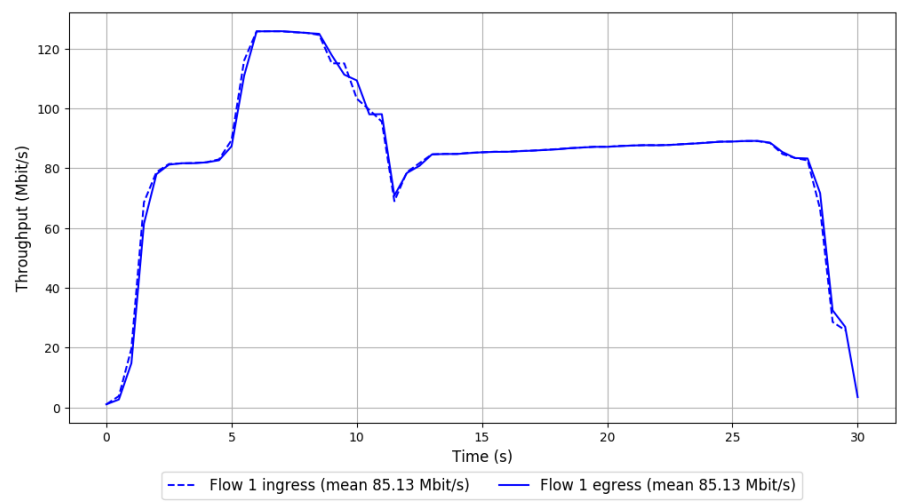
-- Flow 1:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 86.255 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-17 09:12:47

End at: 2018-04-17 09:13:17

Below is generated by plot.py at 2018-04-17 11:51:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.76 Mbit/s

95th percentile per-packet one-way delay: 86.573 ms

Loss rate: 0.00%

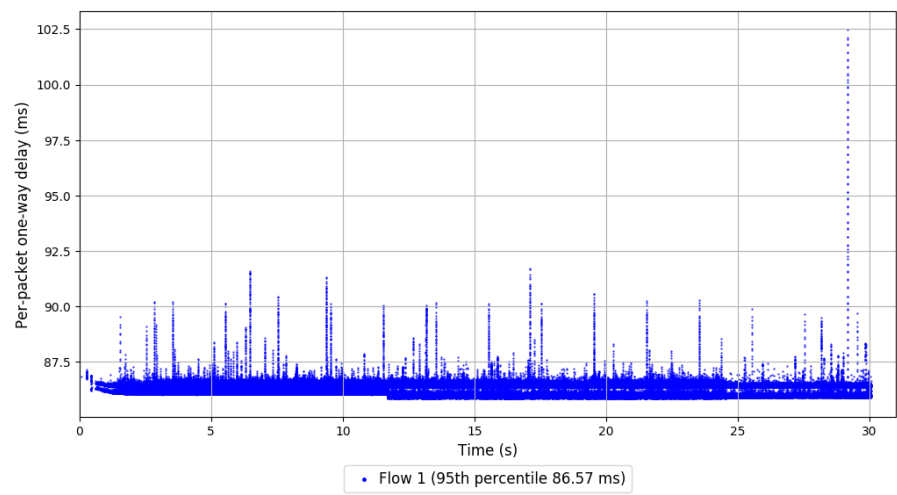
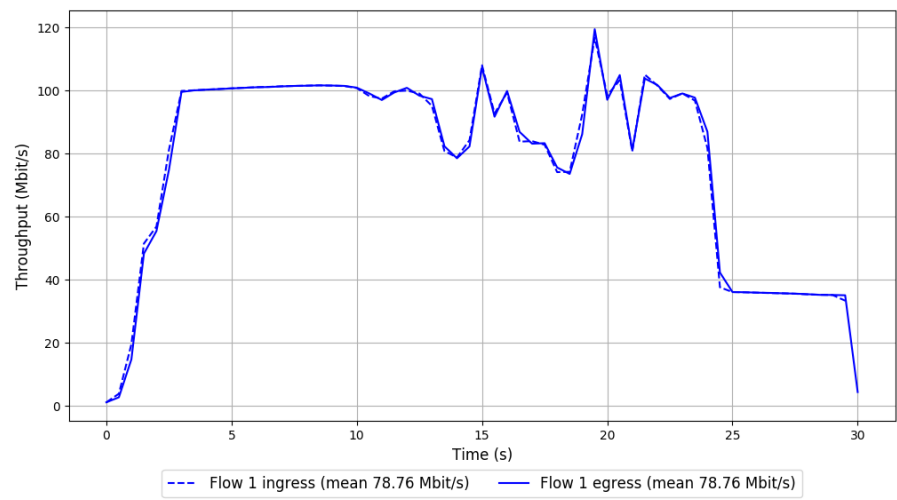
-- Flow 1:

Average throughput: 78.76 Mbit/s

95th percentile per-packet one-way delay: 86.573 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-17 09:26:06

End at: 2018-04-17 09:26:36

Below is generated by plot.py at 2018-04-17 11:51:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 86.134 ms

Loss rate: 0.00%

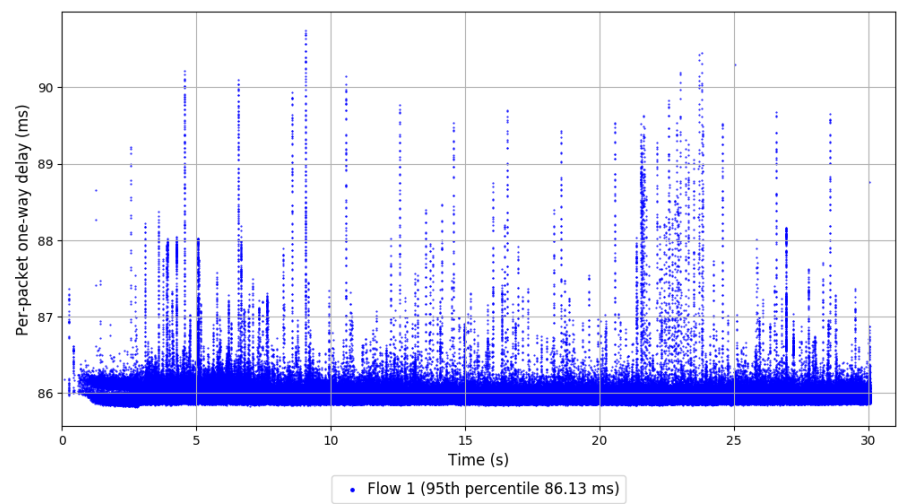
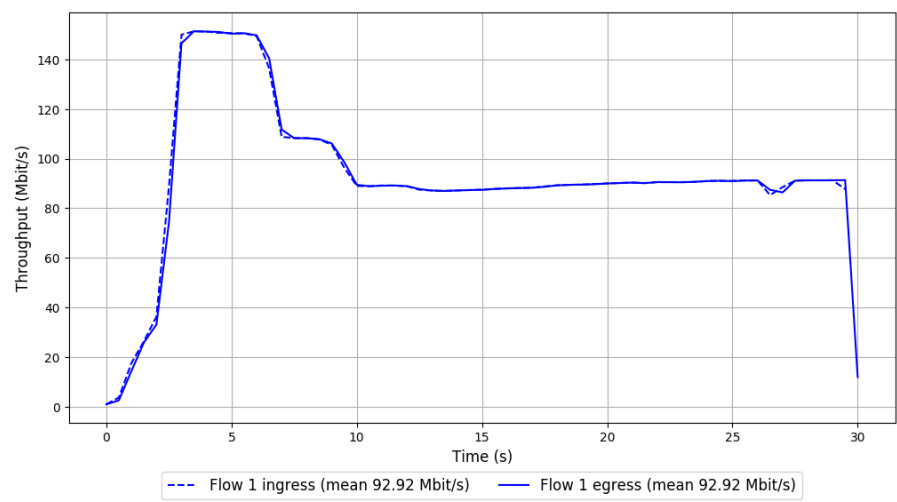
-- Flow 1:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 86.134 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-17 09:39:38

End at: 2018-04-17 09:40:08

Below is generated by plot.py at 2018-04-17 11:51:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.51 Mbit/s

95th percentile per-packet one-way delay: 86.074 ms

Loss rate: 0.00%

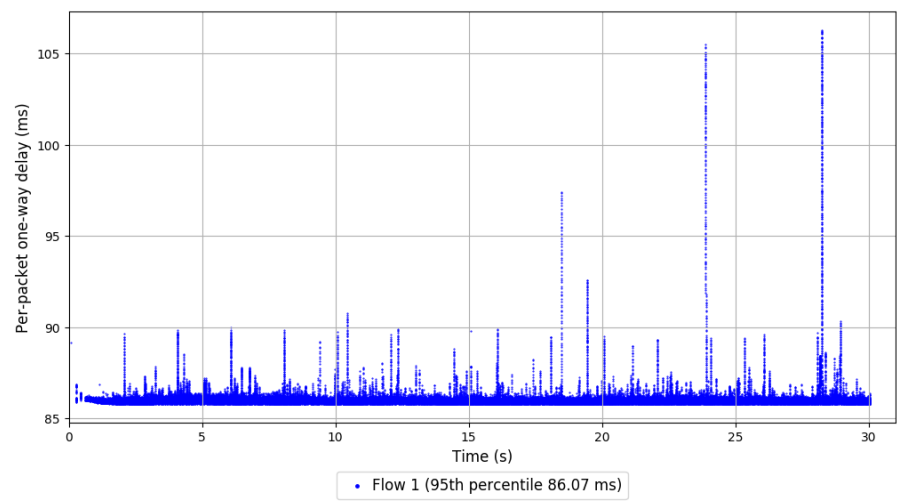
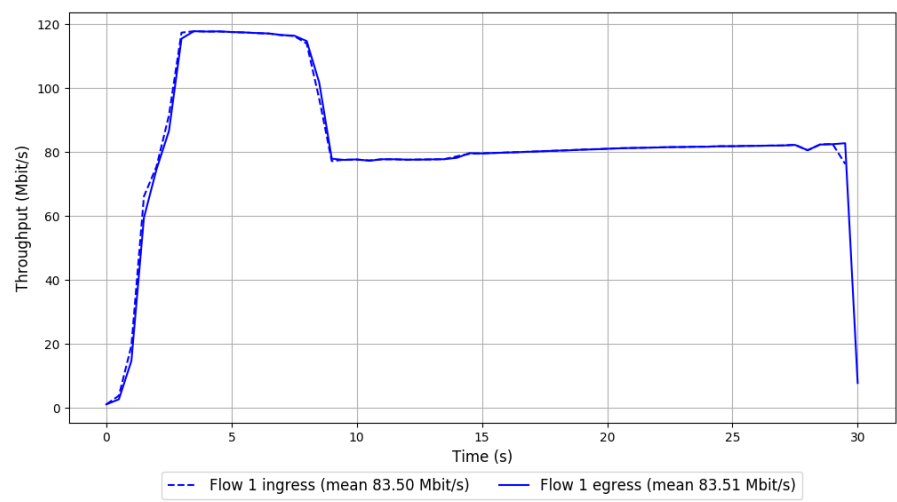
-- Flow 1:

Average throughput: 83.51 Mbit/s

95th percentile per-packet one-way delay: 86.074 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 09:52:52

End at: 2018-04-17 09:53:22

Below is generated by plot.py at 2018-04-17 11:51:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 86.225 ms

Loss rate: 0.00%

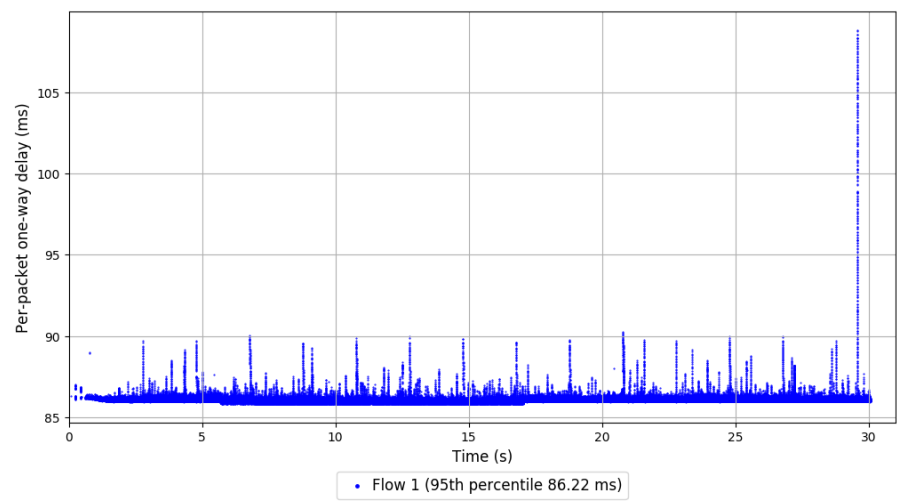
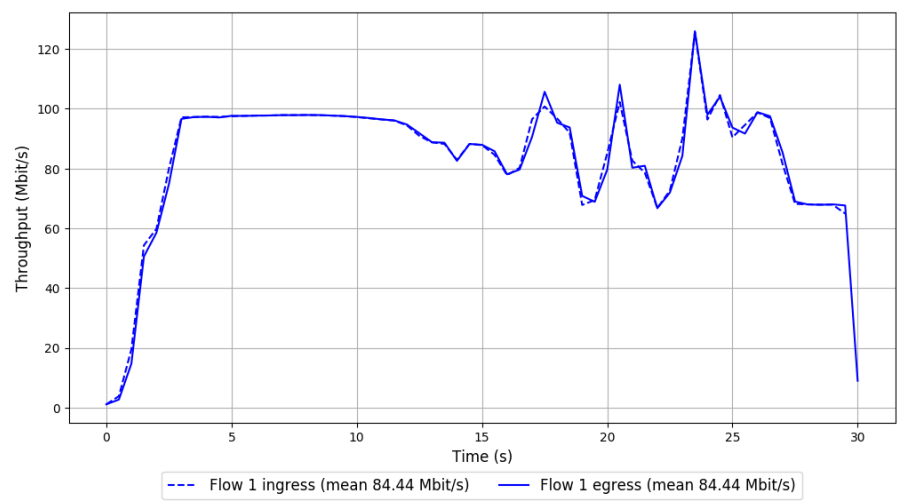
-- Flow 1:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 86.225 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-04-17 07:59:42

End at: 2018-04-17 08:00:12

Below is generated by plot.py at 2018-04-17 12:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 757.33 Mbit/s

95th percentile per-packet one-way delay: 328.324 ms

Loss rate: 4.79%

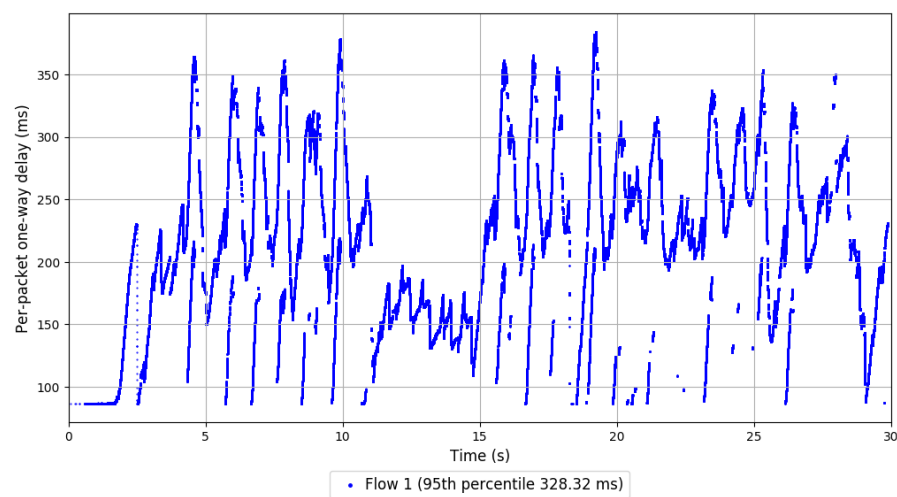
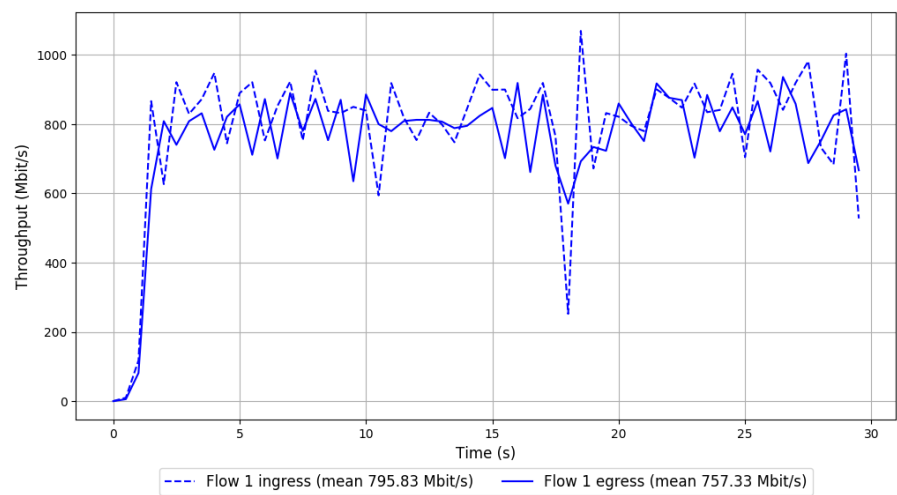
-- Flow 1:

Average throughput: 757.33 Mbit/s

95th percentile per-packet one-way delay: 328.324 ms

Loss rate: 4.79%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-17 08:13:13

End at: 2018-04-17 08:13:43

Below is generated by plot.py at 2018-04-17 12:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 639.03 Mbit/s

95th percentile per-packet one-way delay: 318.249 ms

Loss rate: 4.73%

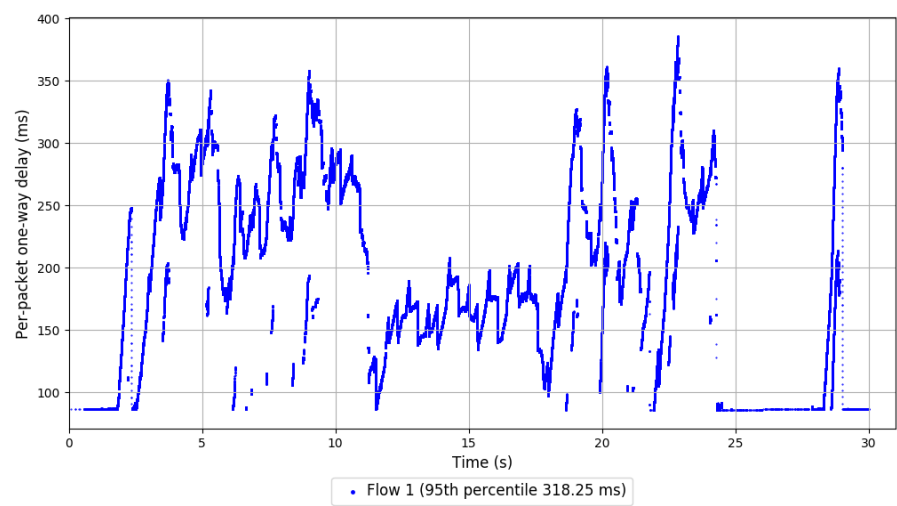
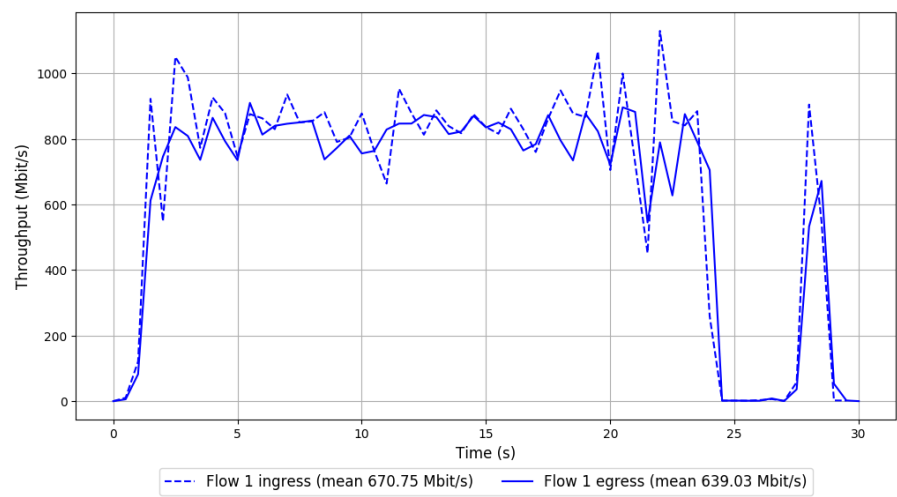
-- Flow 1:

Average throughput: 639.03 Mbit/s

95th percentile per-packet one-way delay: 318.249 ms

Loss rate: 4.73%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-17 08:26:45

End at: 2018-04-17 08:27:15

Below is generated by plot.py at 2018-04-17 12:04:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 758.81 Mbit/s

95th percentile per-packet one-way delay: 318.872 ms

Loss rate: 5.43%

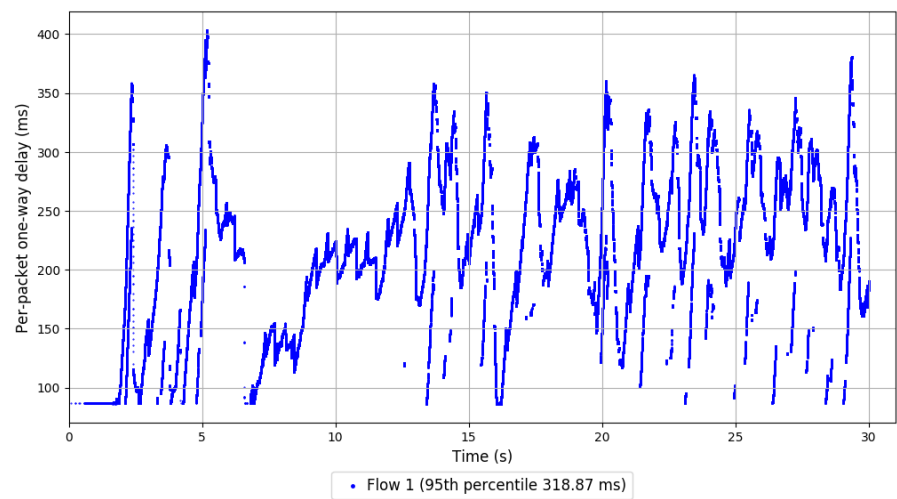
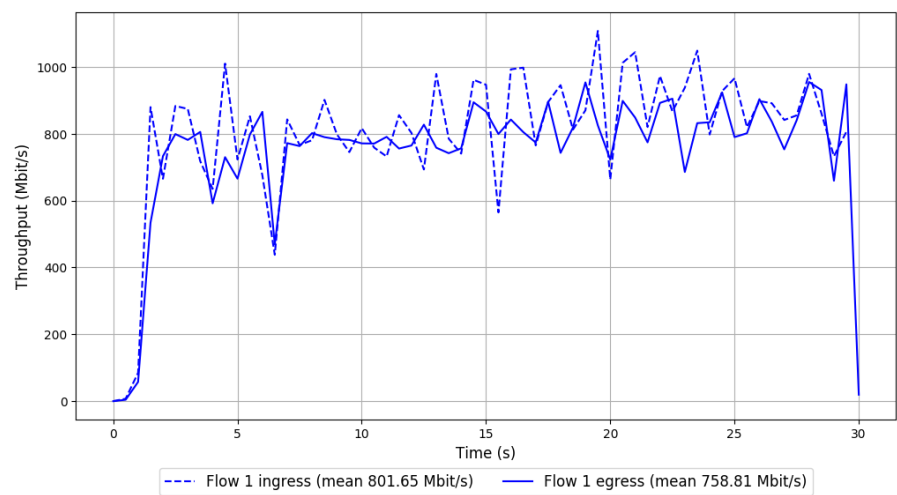
-- Flow 1:

Average throughput: 758.81 Mbit/s

95th percentile per-packet one-way delay: 318.872 ms

Loss rate: 5.43%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-17 08:40:15

End at: 2018-04-17 08:40:45

Below is generated by plot.py at 2018-04-17 12:04:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 715.77 Mbit/s

95th percentile per-packet one-way delay: 325.860 ms

Loss rate: 4.09%

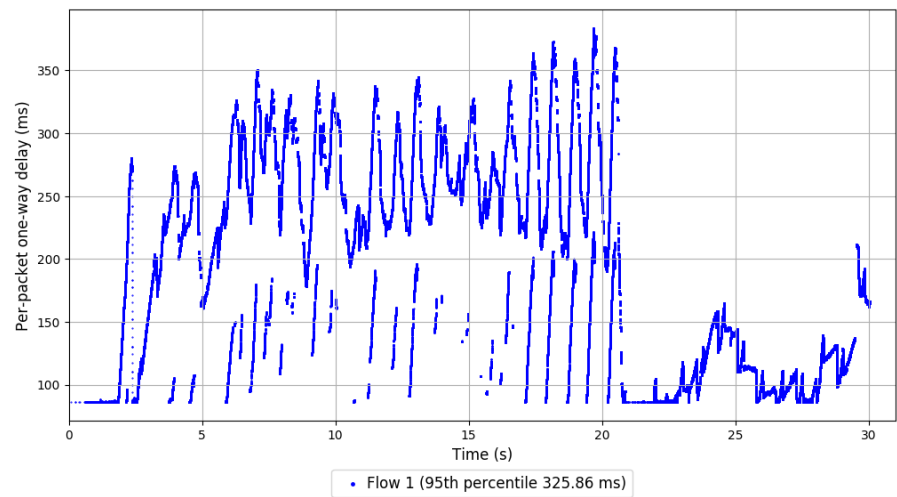
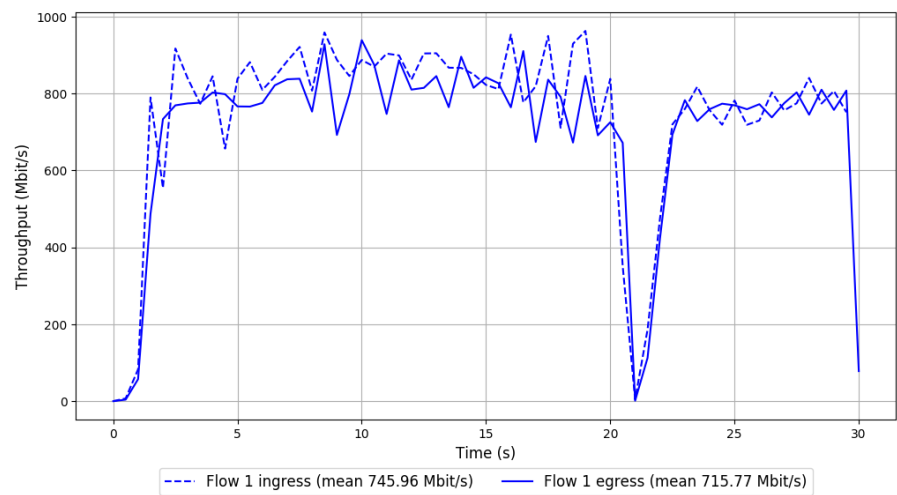
-- Flow 1:

Average throughput: 715.77 Mbit/s

95th percentile per-packet one-way delay: 325.860 ms

Loss rate: 4.09%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-17 08:53:53

End at: 2018-04-17 08:54:23

Below is generated by plot.py at 2018-04-17 12:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 812.66 Mbit/s

95th percentile per-packet one-way delay: 293.148 ms

Loss rate: 2.32%

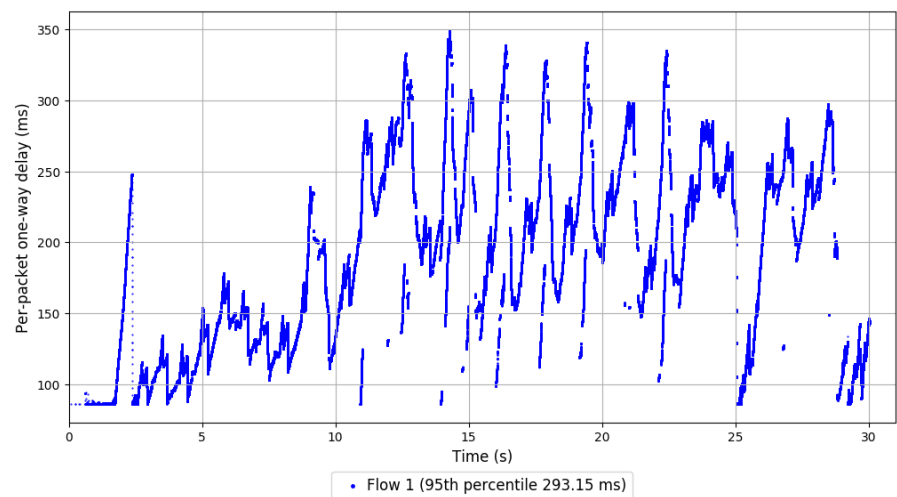
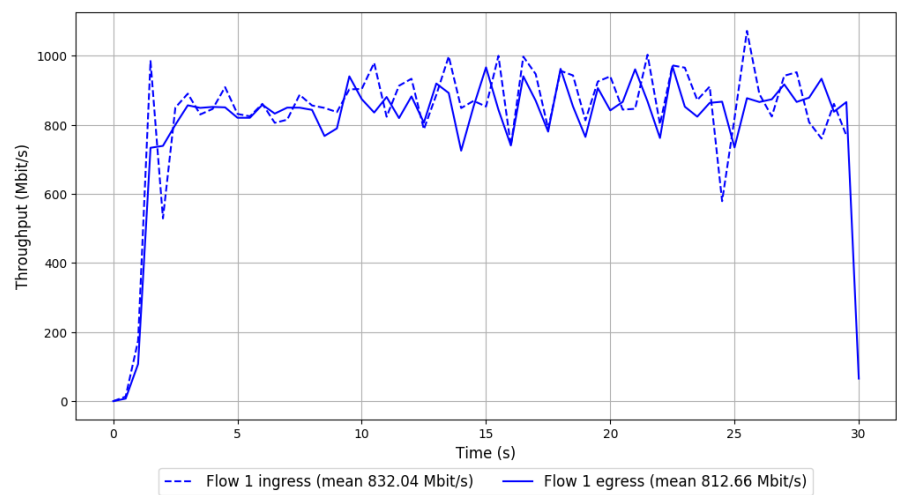
-- Flow 1:

Average throughput: 812.66 Mbit/s

95th percentile per-packet one-way delay: 293.148 ms

Loss rate: 2.32%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-17 09:07:32

End at: 2018-04-17 09:08:02

Below is generated by plot.py at 2018-04-17 12:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 726.71 Mbit/s

95th percentile per-packet one-way delay: 236.211 ms

Loss rate: 1.07%

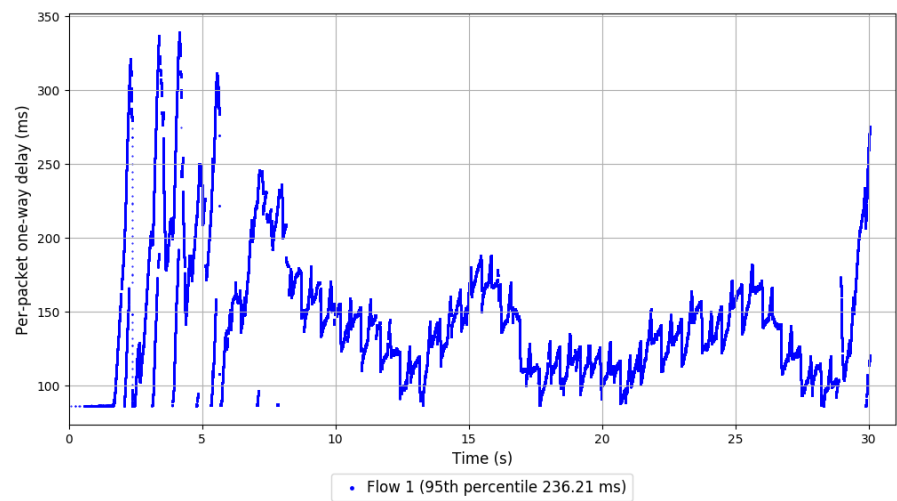
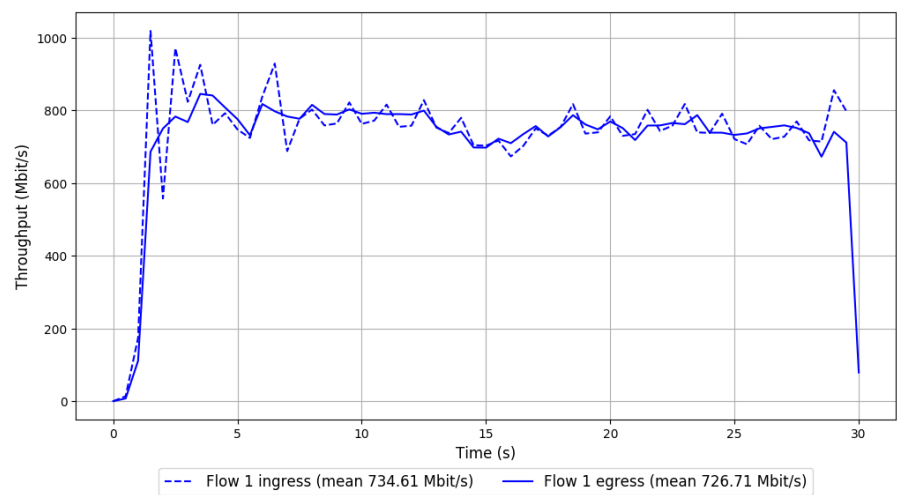
-- Flow 1:

Average throughput: 726.71 Mbit/s

95th percentile per-packet one-way delay: 236.211 ms

Loss rate: 1.07%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-17 09:21:07

End at: 2018-04-17 09:21:37

Below is generated by plot.py at 2018-04-17 12:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.47 Mbit/s

95th percentile per-packet one-way delay: 338.379 ms

Loss rate: 5.68%

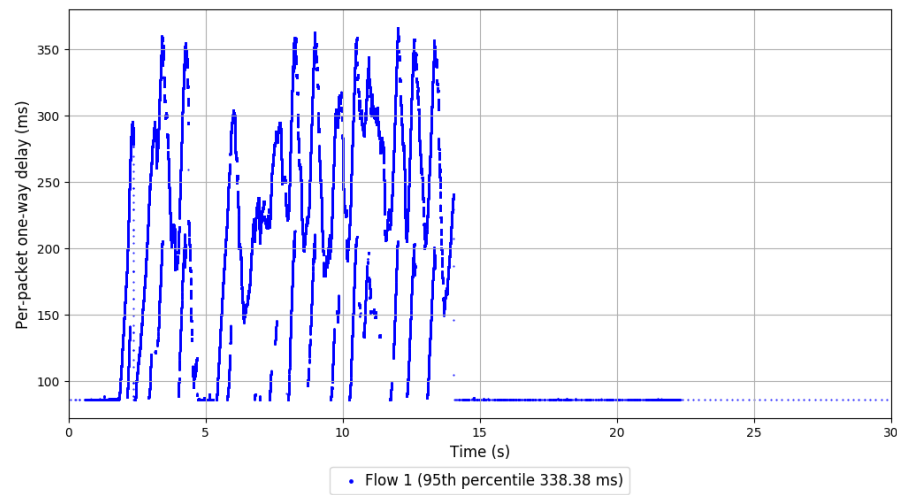
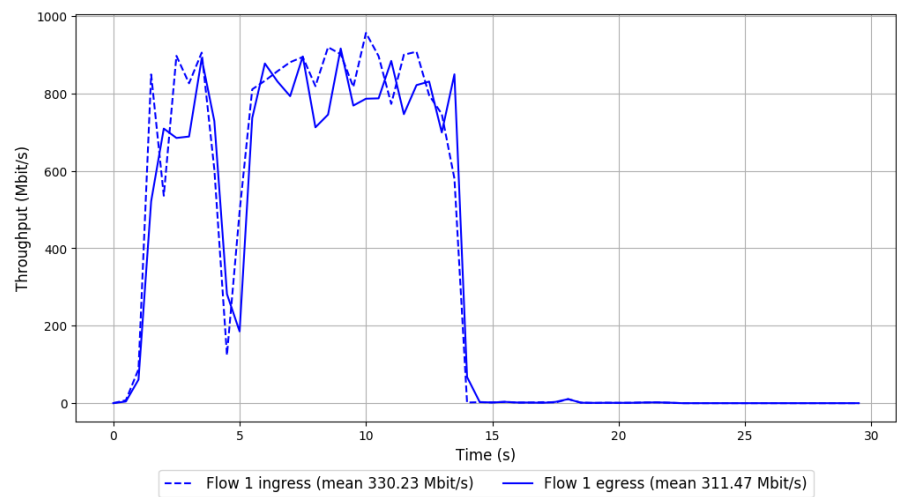
-- Flow 1:

Average throughput: 311.47 Mbit/s

95th percentile per-packet one-way delay: 338.379 ms

Loss rate: 5.68%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-17 09:34:31

End at: 2018-04-17 09:35:01

Below is generated by plot.py at 2018-04-17 12:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 478.23 Mbit/s

95th percentile per-packet one-way delay: 324.025 ms

Loss rate: 6.49%

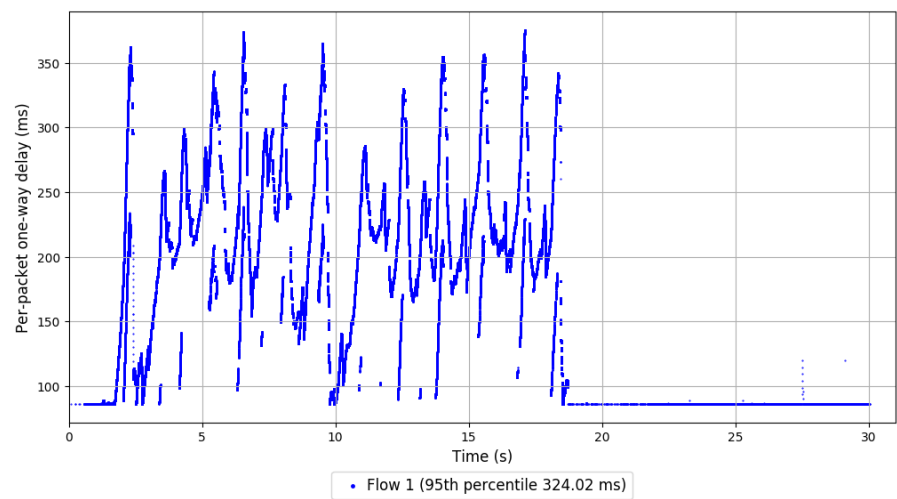
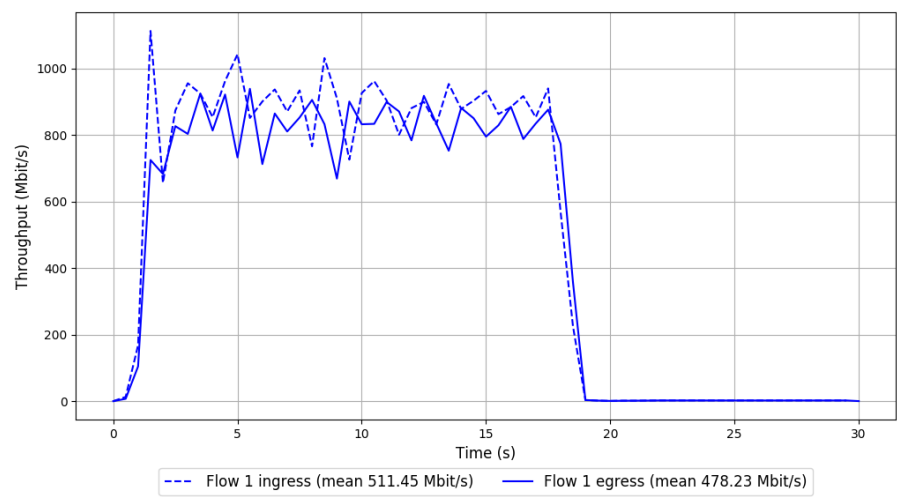
-- Flow 1:

Average throughput: 478.23 Mbit/s

95th percentile per-packet one-way delay: 324.025 ms

Loss rate: 6.49%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 09:47:58

End at: 2018-04-17 09:48:28

Below is generated by plot.py at 2018-04-17 12:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.55 Mbit/s

95th percentile per-packet one-way delay: 321.873 ms

Loss rate: 3.16%

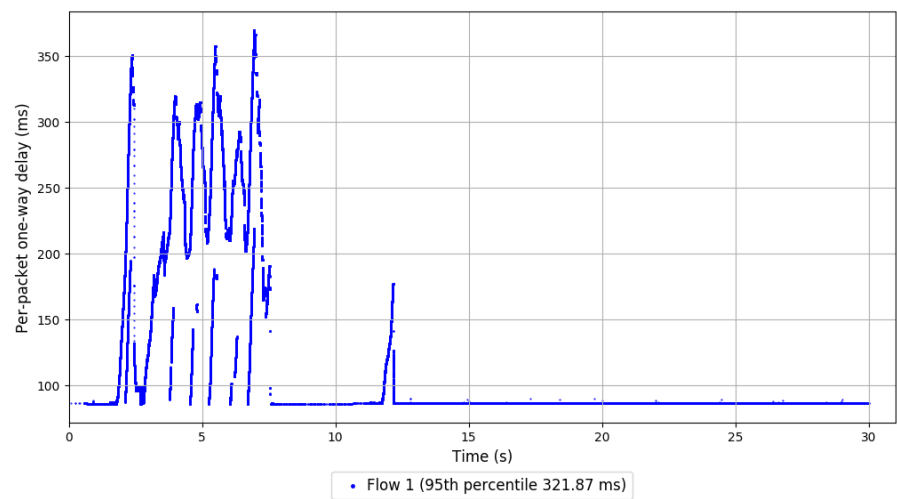
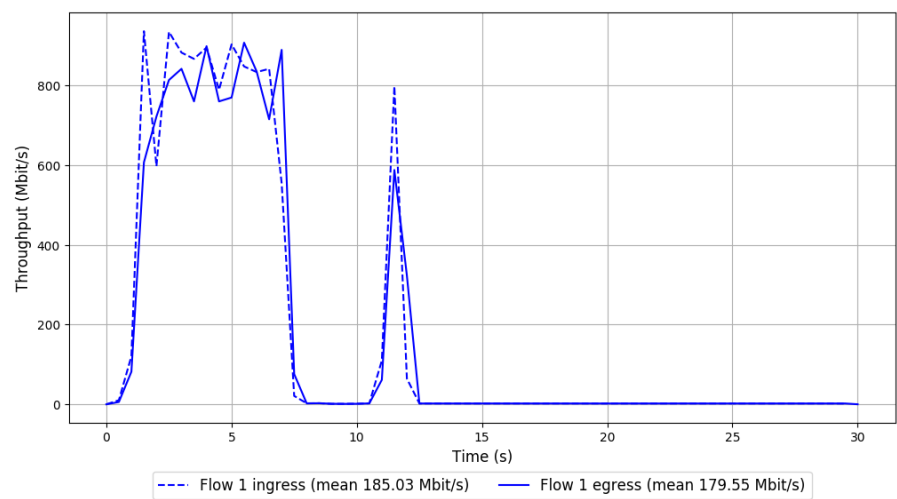
-- Flow 1:

Average throughput: 179.55 Mbit/s

95th percentile per-packet one-way delay: 321.873 ms

Loss rate: 3.16%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-17 10:01:09

End at: 2018-04-17 10:01:39

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 762.98 Mbit/s

95th percentile per-packet one-way delay: 324.468 ms

Loss rate: 6.58%

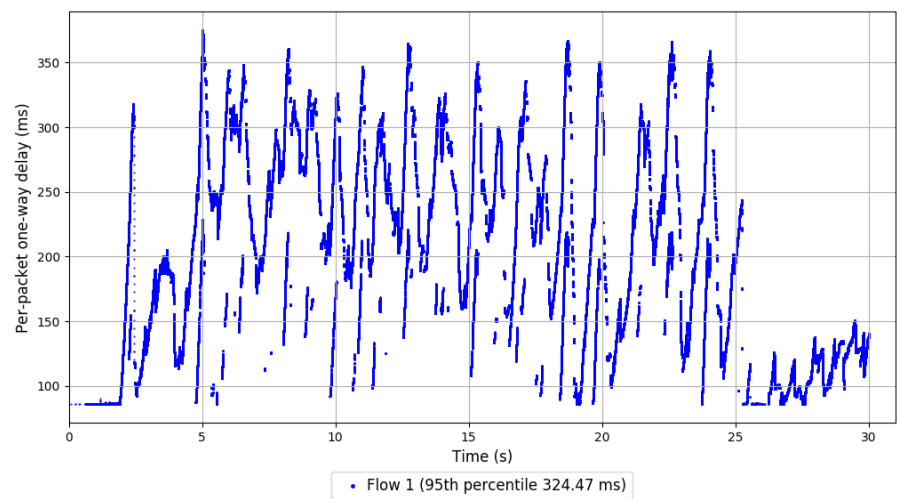
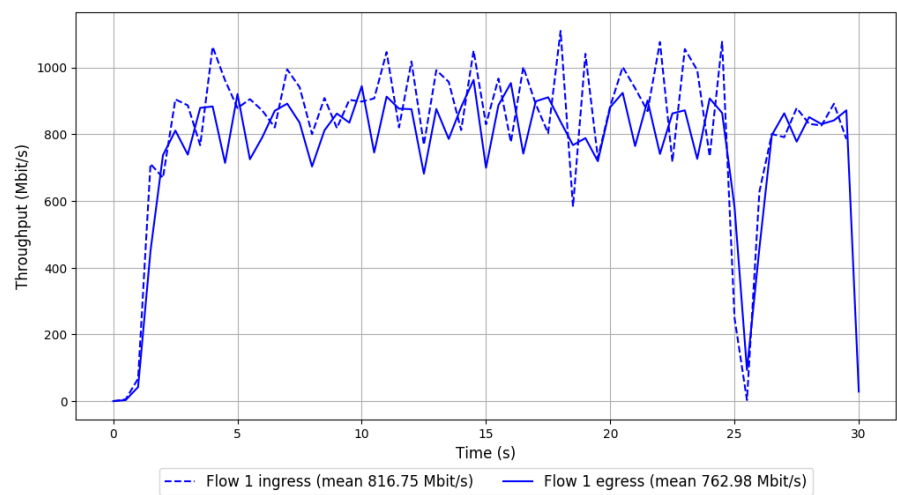
-- Flow 1:

Average throughput: 762.98 Mbit/s

95th percentile per-packet one-way delay: 324.468 ms

Loss rate: 6.58%

Run 10: Report of FillP — Data Link

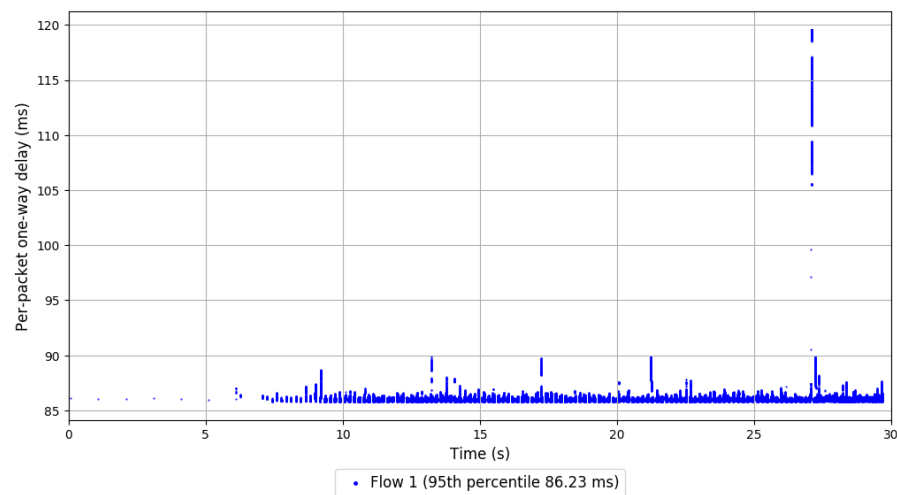
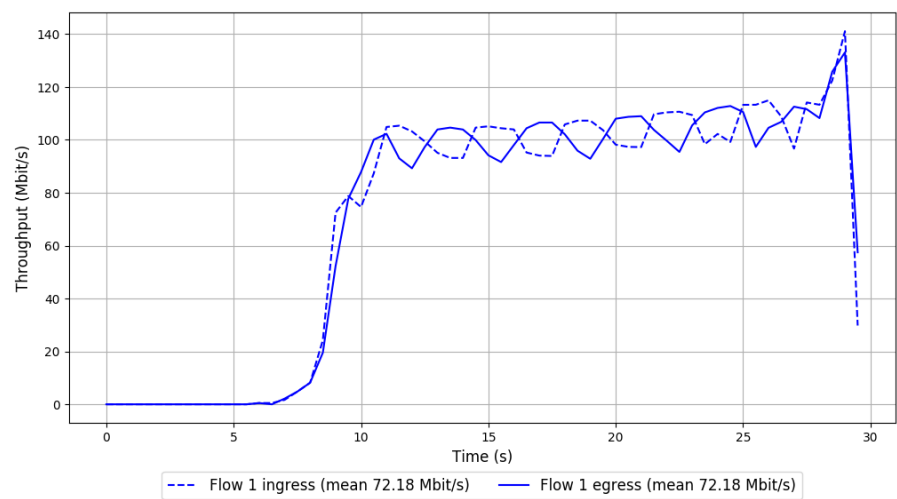


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 08:01:31
End at: 2018-04-17 08:02:01

# Below is generated by plot.py at 2018-04-17 12:14:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 86.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 86.231 ms
Loss rate: 0.00%
```

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

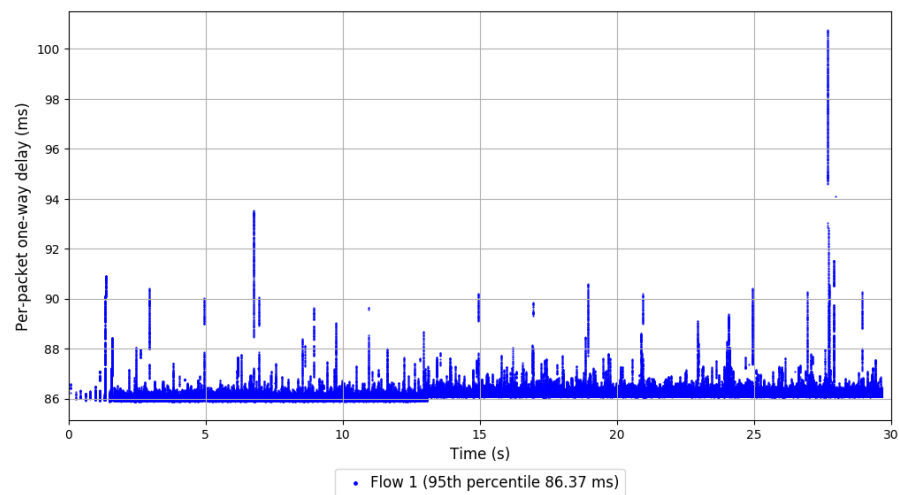
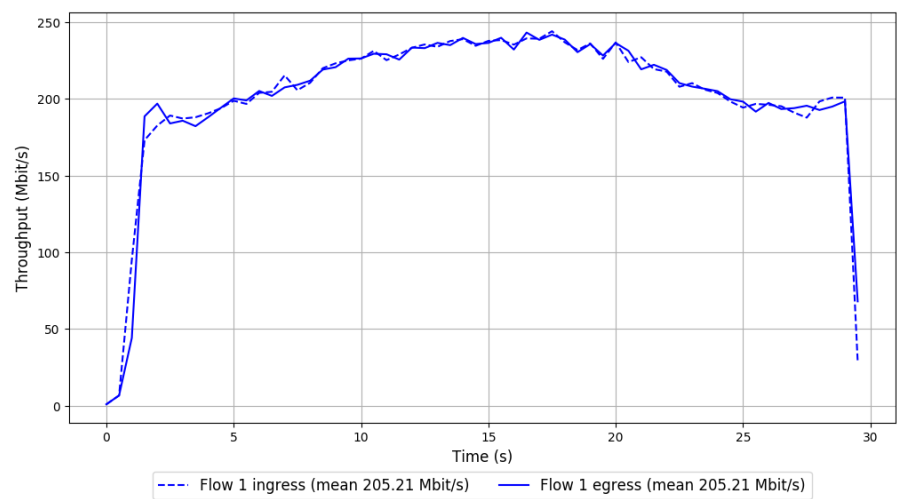


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 08:14:55
End at: 2018-04-17 08:15:25

# Below is generated by plot.py at 2018-04-17 12:14:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.21 Mbit/s
95th percentile per-packet one-way delay: 86.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.21 Mbit/s
95th percentile per-packet one-way delay: 86.366 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 08:28:32

End at: 2018-04-17 08:29:02

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.05 Mbit/s

95th percentile per-packet one-way delay: 86.316 ms

Loss rate: 0.00%

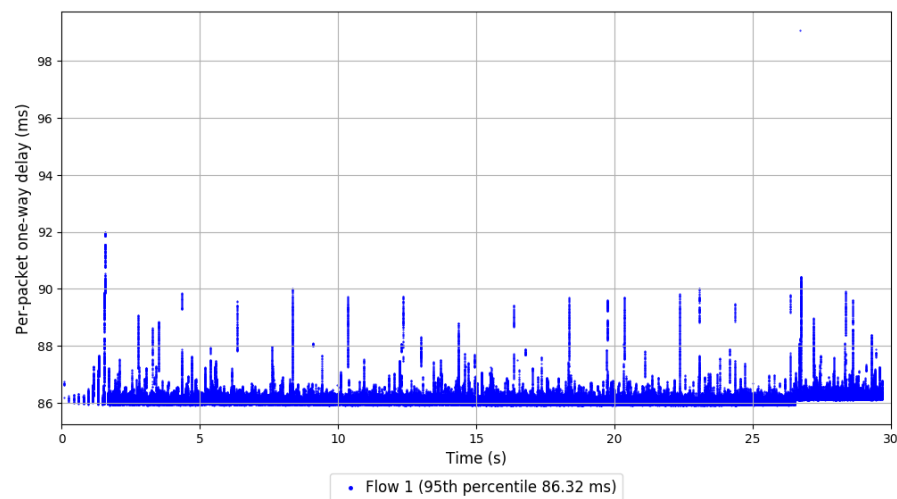
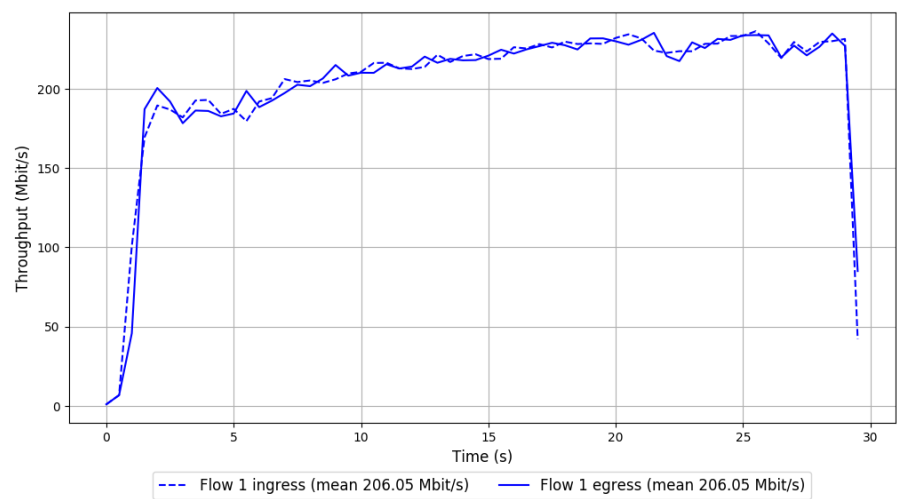
-- Flow 1:

Average throughput: 206.05 Mbit/s

95th percentile per-packet one-way delay: 86.316 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 08:42:01

End at: 2018-04-17 08:42:31

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.87 Mbit/s

95th percentile per-packet one-way delay: 86.525 ms

Loss rate: 0.00%

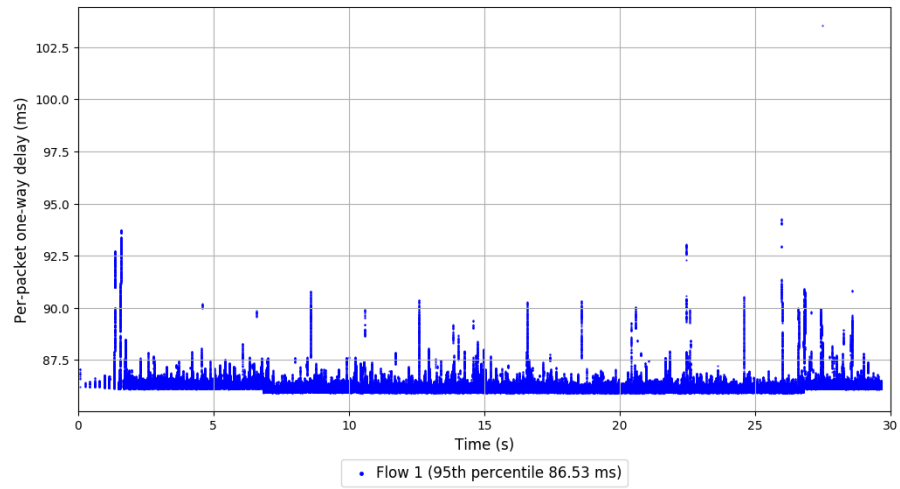
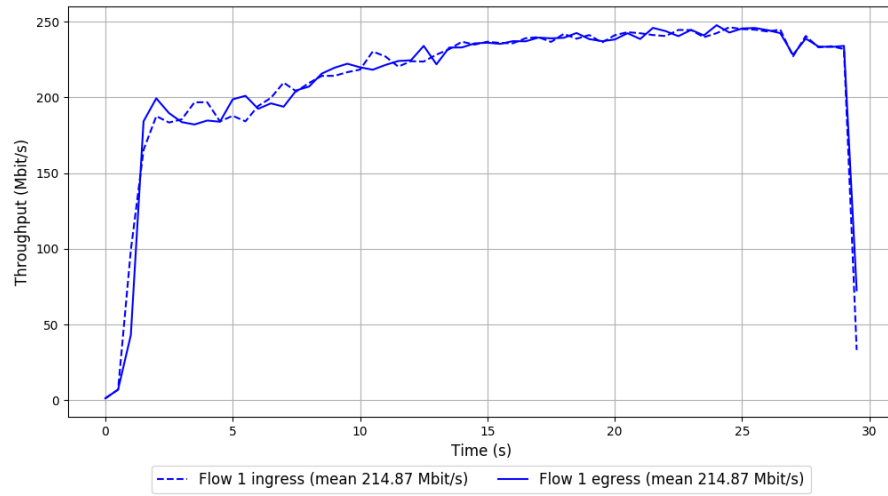
-- Flow 1:

Average throughput: 214.87 Mbit/s

95th percentile per-packet one-way delay: 86.525 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 08:55:41

End at: 2018-04-17 08:56:11

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.47 Mbit/s

95th percentile per-packet one-way delay: 86.337 ms

Loss rate: 0.00%

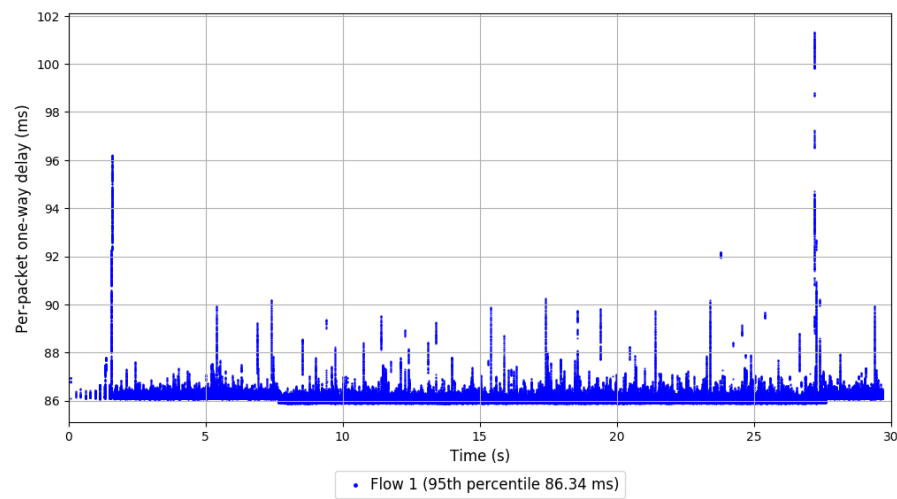
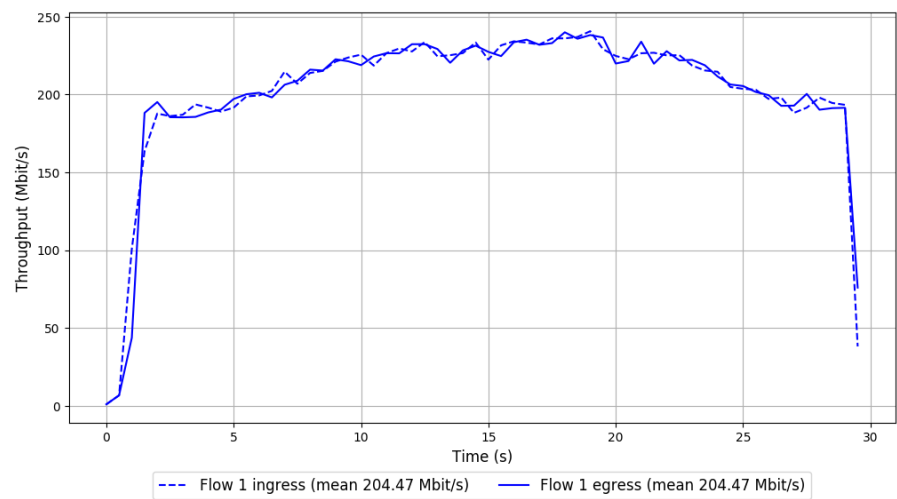
-- Flow 1:

Average throughput: 204.47 Mbit/s

95th percentile per-packet one-way delay: 86.337 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

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

End at: 2018-04-17 09:09:47

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.02 Mbit/s

95th percentile per-packet one-way delay: 86.357 ms

Loss rate: 0.00%

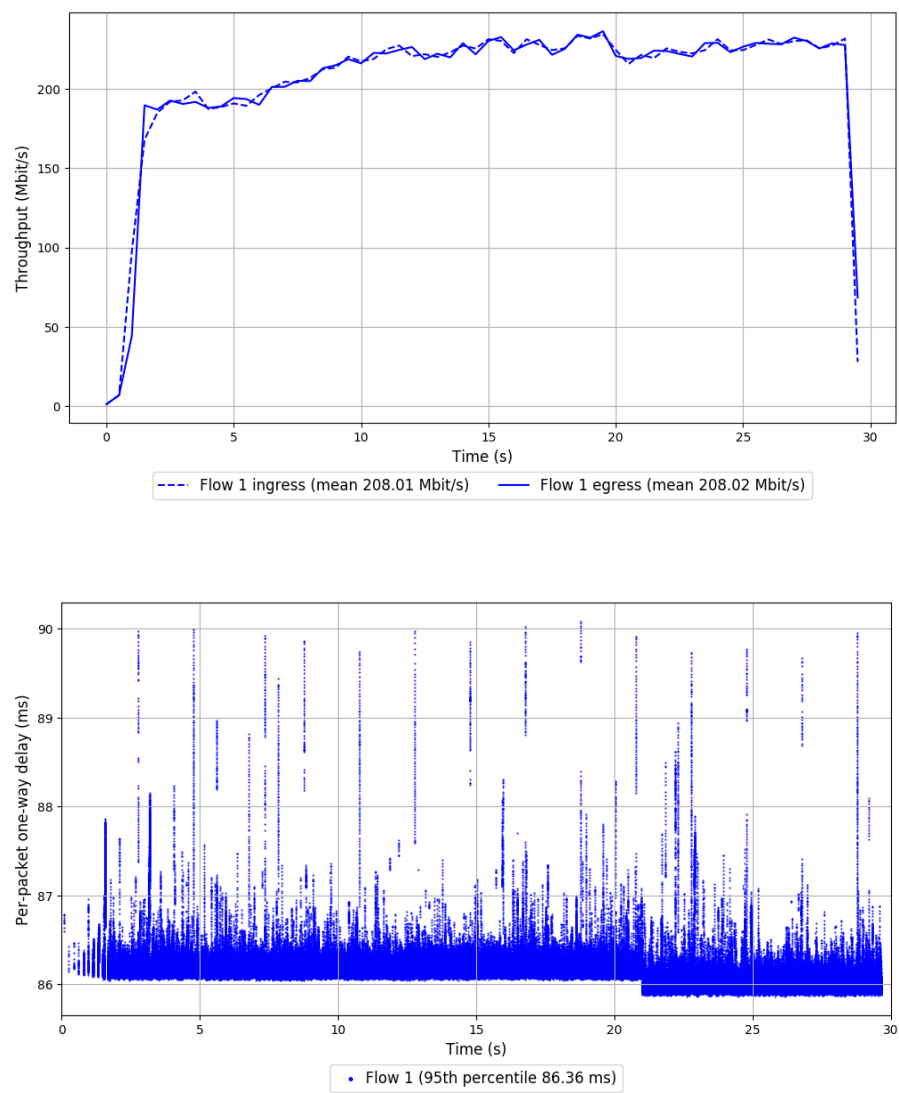
-- Flow 1:

Average throughput: 208.02 Mbit/s

95th percentile per-packet one-way delay: 86.357 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 09:22:38

End at: 2018-04-17 09:23:08

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.69 Mbit/s

95th percentile per-packet one-way delay: 86.231 ms

Loss rate: 0.00%

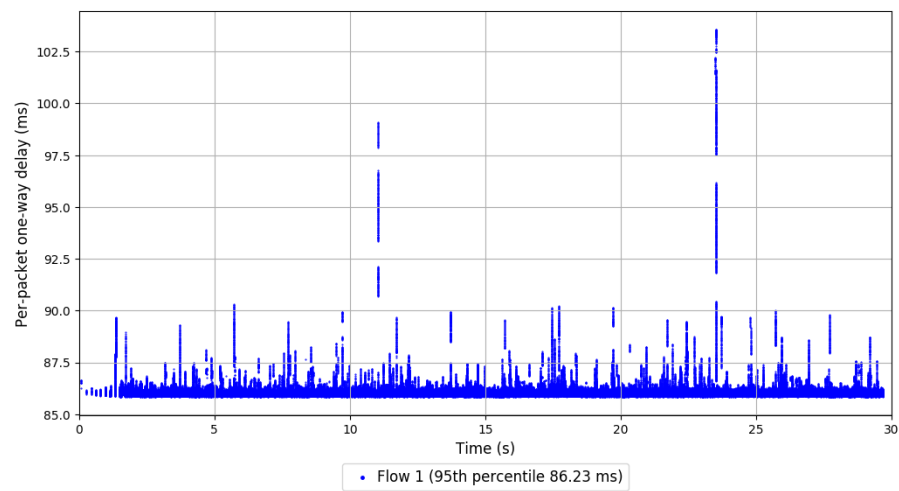
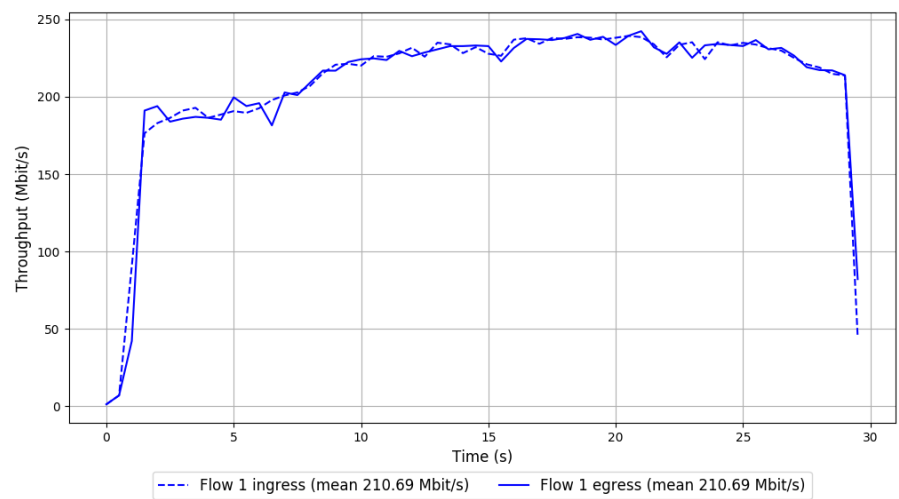
-- Flow 1:

Average throughput: 210.69 Mbit/s

95th percentile per-packet one-way delay: 86.231 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 09:36:08

End at: 2018-04-17 09:36:38

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.26 Mbit/s

95th percentile per-packet one-way delay: 86.216 ms

Loss rate: 0.00%

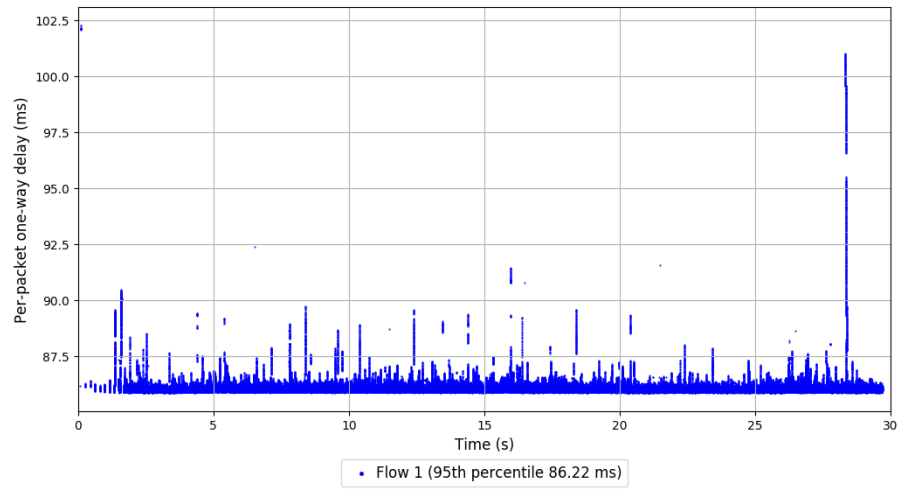
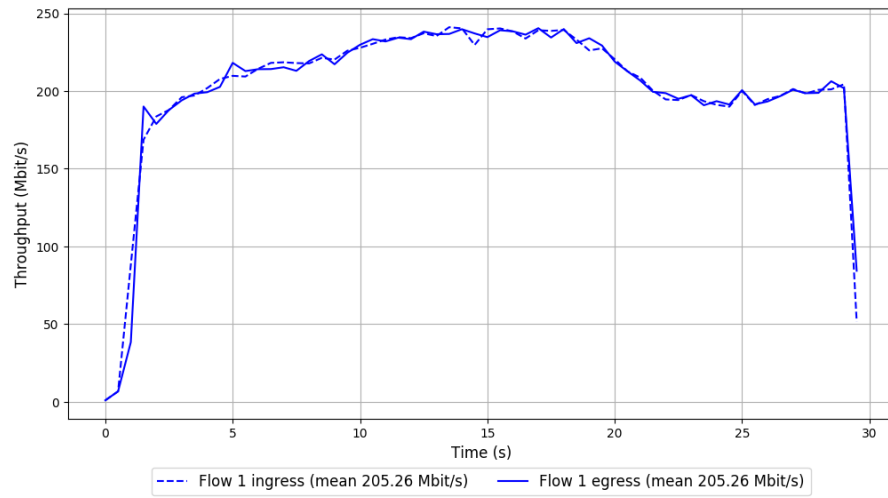
-- Flow 1:

Average throughput: 205.26 Mbit/s

95th percentile per-packet one-way delay: 86.216 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 09:49:23

End at: 2018-04-17 09:49:53

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.62 Mbit/s

95th percentile per-packet one-way delay: 86.215 ms

Loss rate: 0.00%

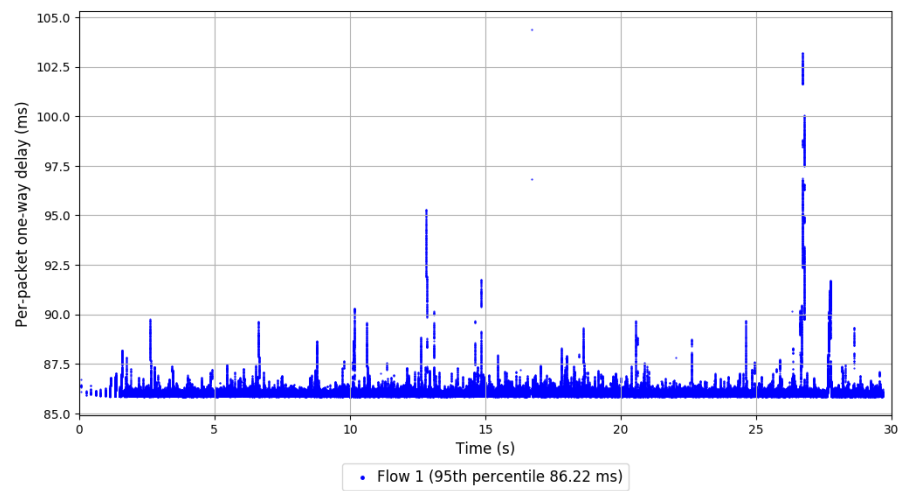
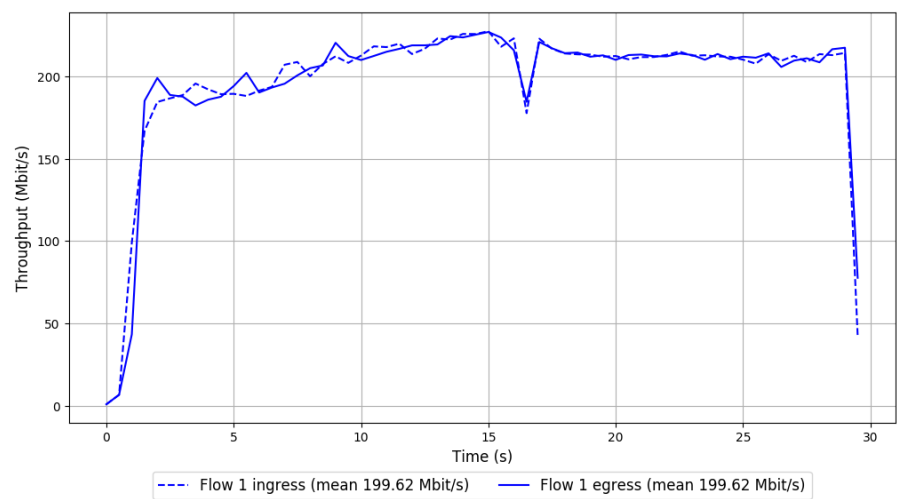
-- Flow 1:

Average throughput: 199.62 Mbit/s

95th percentile per-packet one-way delay: 86.215 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 10:02:57

End at: 2018-04-17 10:03:27

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.91 Mbit/s

95th percentile per-packet one-way delay: 86.280 ms

Loss rate: 0.00%

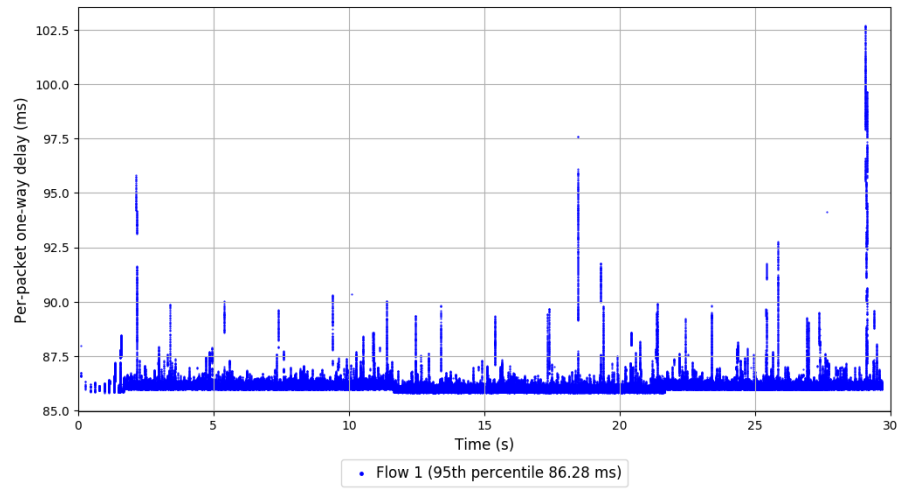
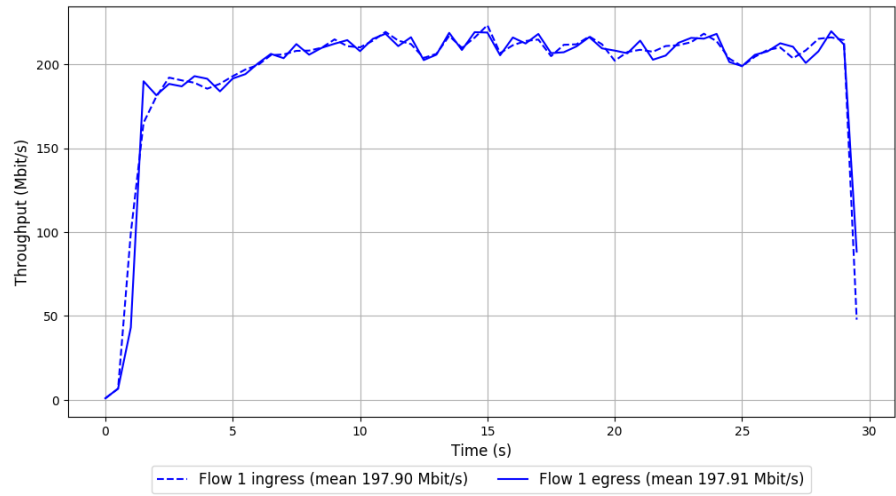
-- Flow 1:

Average throughput: 197.91 Mbit/s

95th percentile per-packet one-way delay: 86.280 ms

Loss rate: 0.00%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 07:57:16

End at: 2018-04-17 07:57:46

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.61 Mbit/s

95th percentile per-packet one-way delay: 86.750 ms

Loss rate: 0.00%

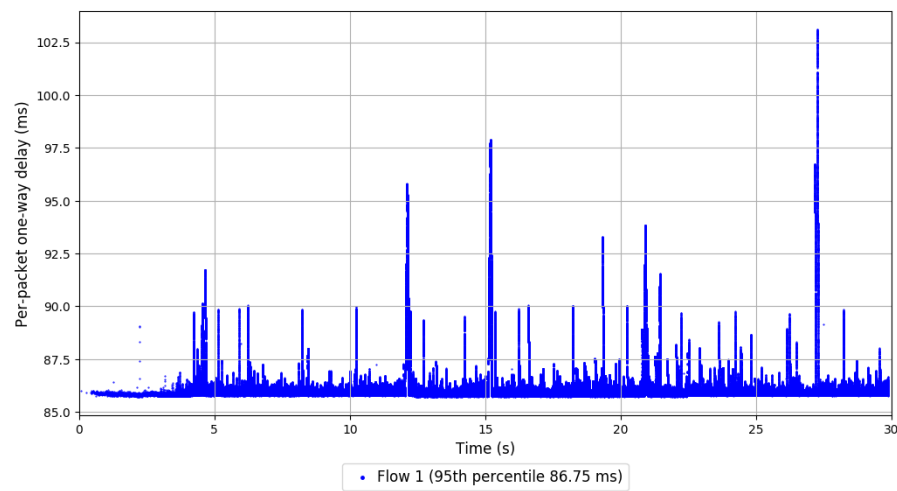
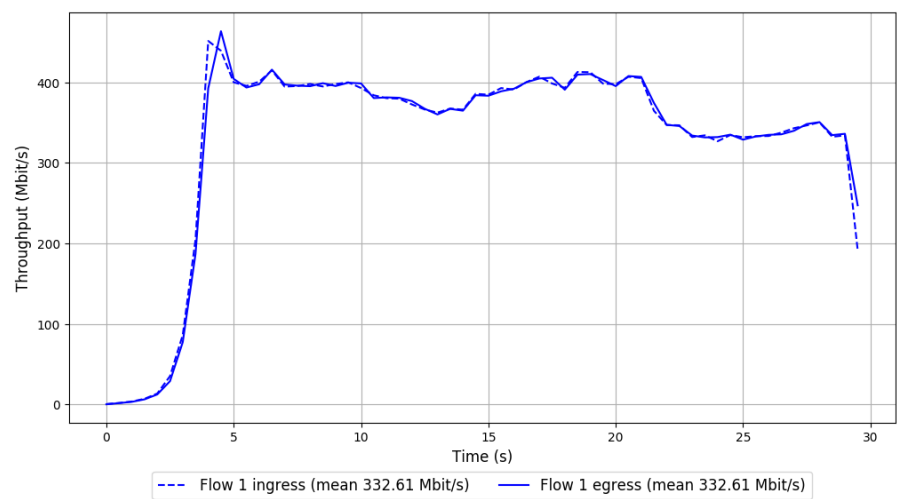
-- Flow 1:

Average throughput: 332.61 Mbit/s

95th percentile per-packet one-way delay: 86.750 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 08:10:41

End at: 2018-04-17 08:11:11

Below is generated by plot.py at 2018-04-17 12:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.08 Mbit/s

95th percentile per-packet one-way delay: 87.196 ms

Loss rate: 0.00%

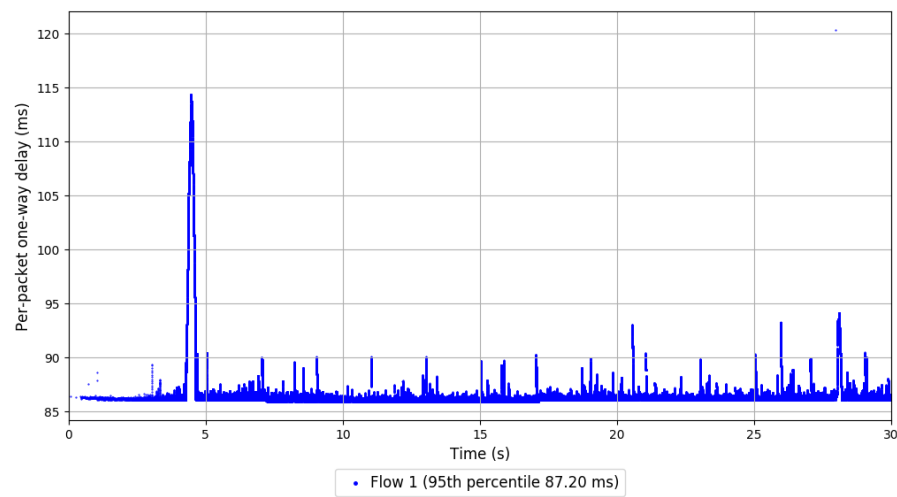
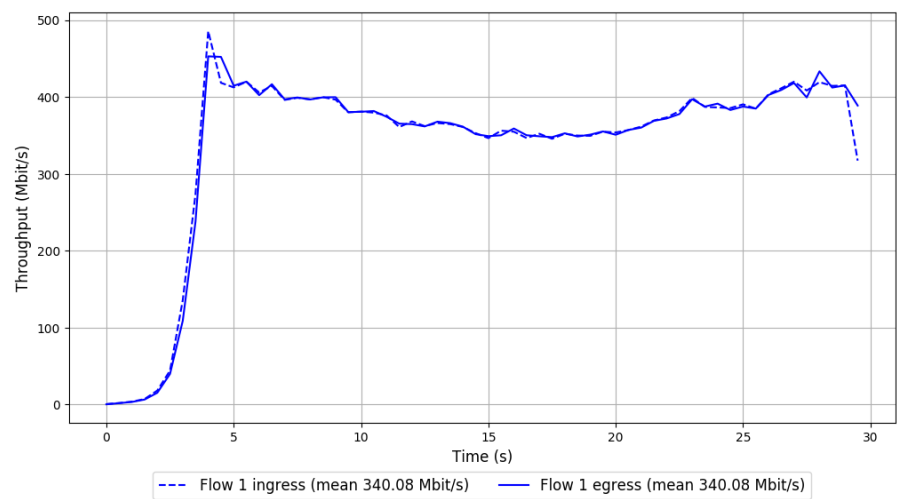
-- Flow 1:

Average throughput: 340.08 Mbit/s

95th percentile per-packet one-way delay: 87.196 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 08:24:14

End at: 2018-04-17 08:24:44

Below is generated by plot.py at 2018-04-17 12:14:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.97 Mbit/s

95th percentile per-packet one-way delay: 87.159 ms

Loss rate: 0.00%

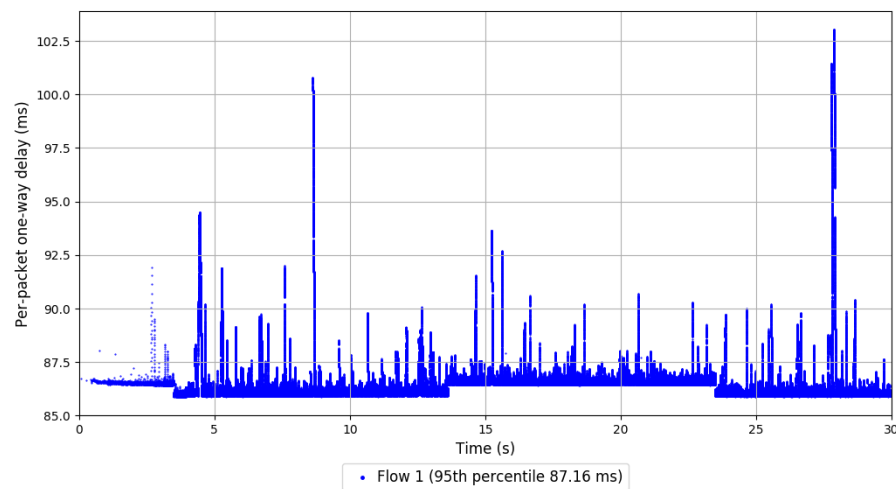
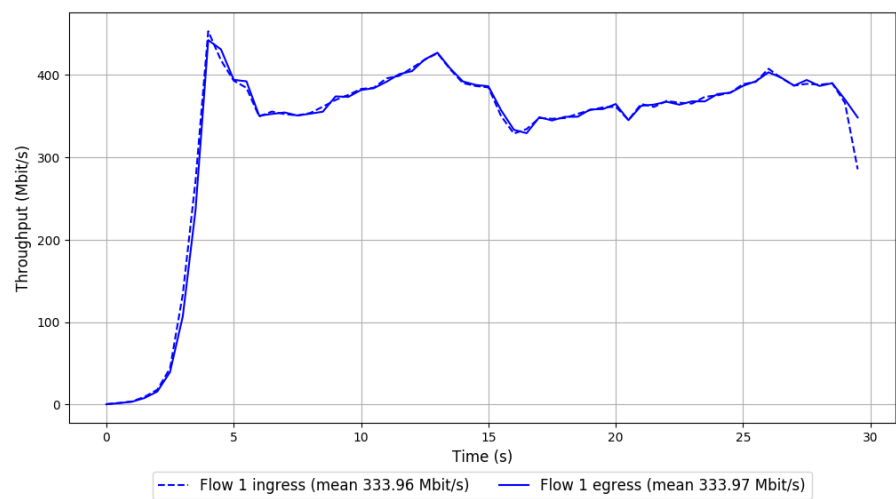
-- Flow 1:

Average throughput: 333.97 Mbit/s

95th percentile per-packet one-way delay: 87.159 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 08:37:48

End at: 2018-04-17 08:38:18

Below is generated by plot.py at 2018-04-17 12:14:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.14 Mbit/s

95th percentile per-packet one-way delay: 87.748 ms

Loss rate: 0.00%

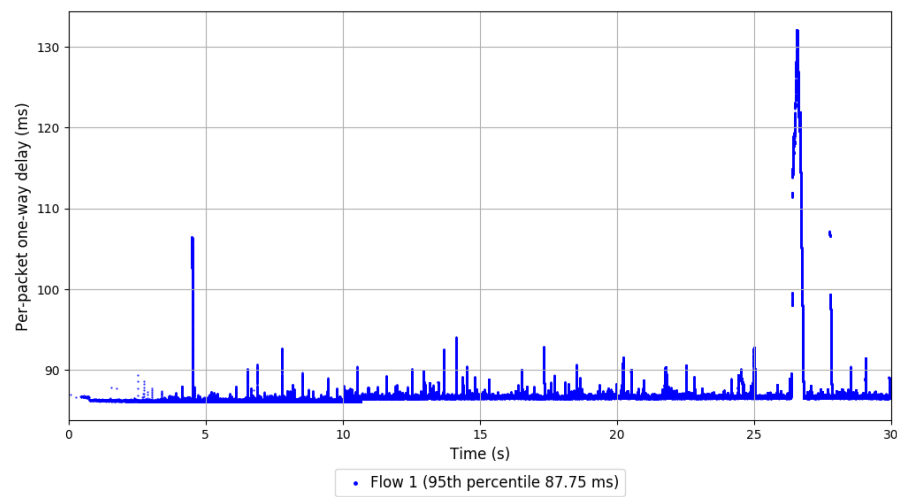
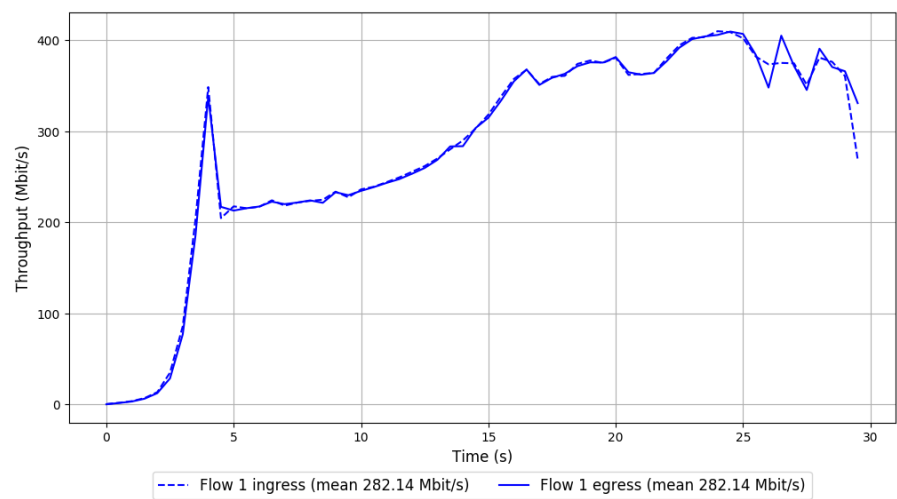
-- Flow 1:

Average throughput: 282.14 Mbit/s

95th percentile per-packet one-way delay: 87.748 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 08:51:25

End at: 2018-04-17 08:51:55

Below is generated by plot.py at 2018-04-17 12:14:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 290.27 Mbit/s

95th percentile per-packet one-way delay: 86.983 ms

Loss rate: 0.00%

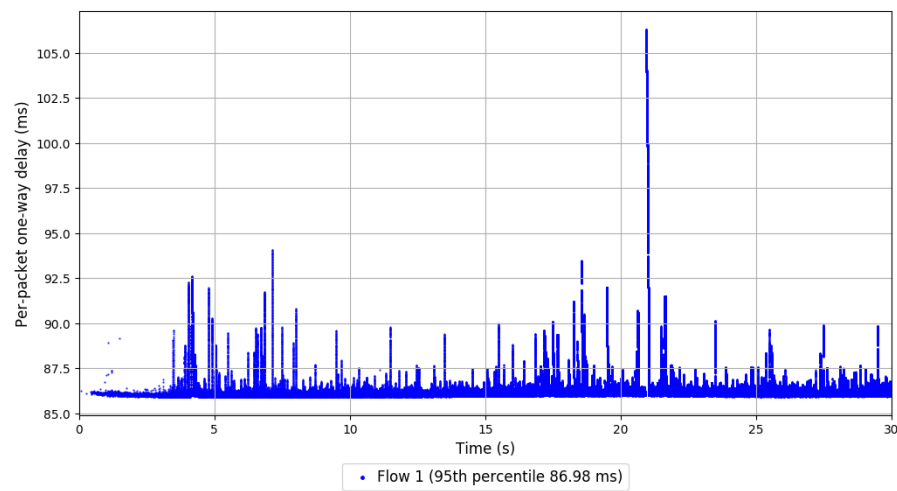
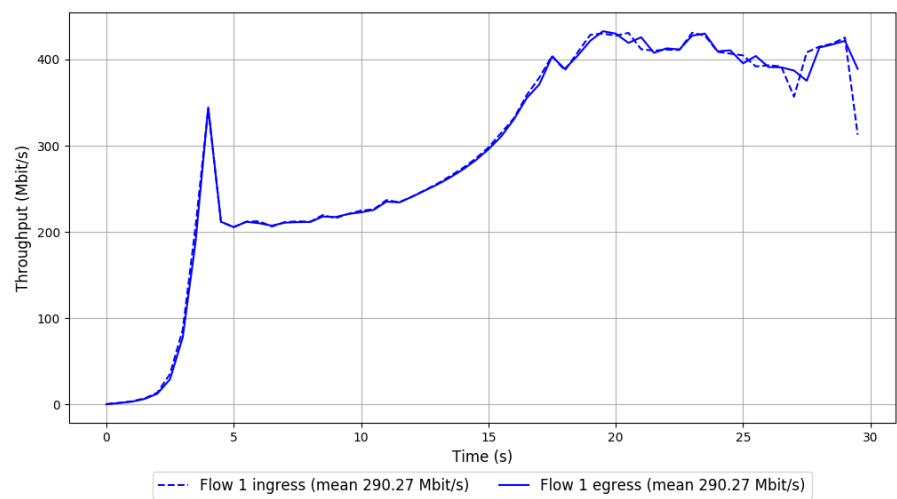
-- Flow 1:

Average throughput: 290.27 Mbit/s

95th percentile per-packet one-way delay: 86.983 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 09:05:00

End at: 2018-04-17 09:05:30

Below is generated by plot.py at 2018-04-17 12:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.88 Mbit/s

95th percentile per-packet one-way delay: 86.349 ms

Loss rate: 0.00%

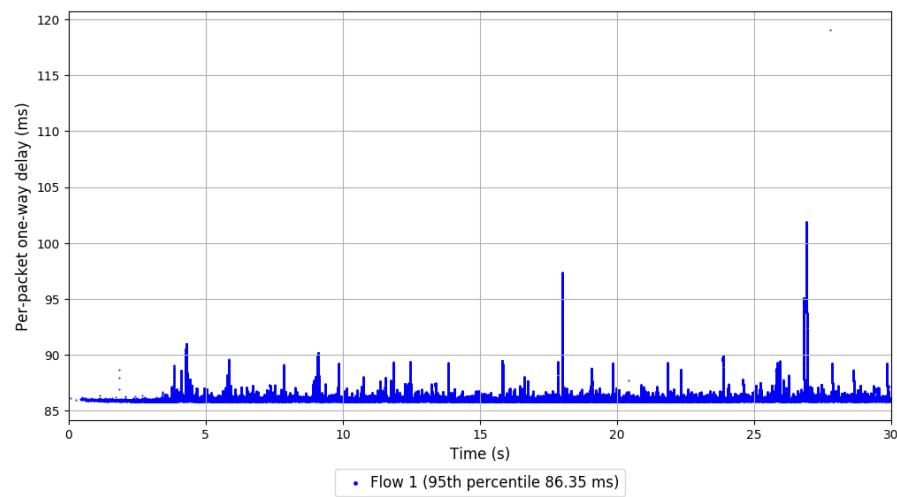
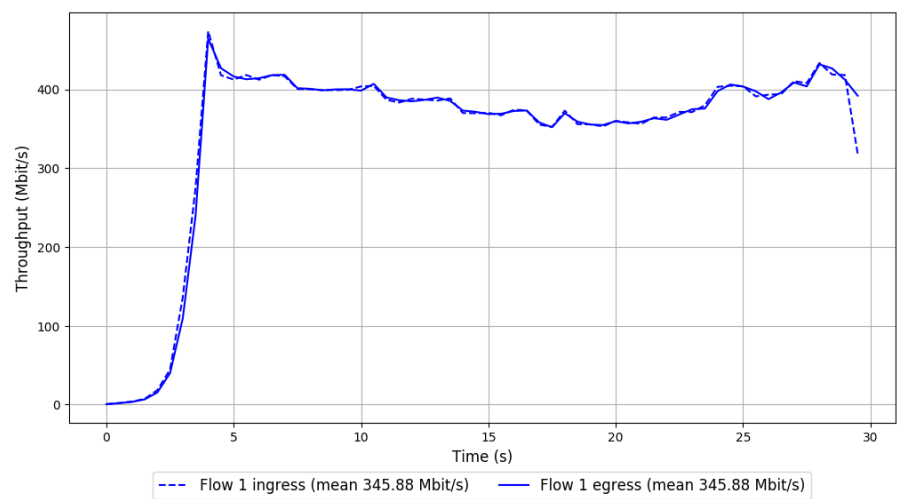
-- Flow 1:

Average throughput: 345.88 Mbit/s

95th percentile per-packet one-way delay: 86.349 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 09:18:34

End at: 2018-04-17 09:19:04

Below is generated by plot.py at 2018-04-17 12:15:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.11 Mbit/s

95th percentile per-packet one-way delay: 87.523 ms

Loss rate: 0.00%

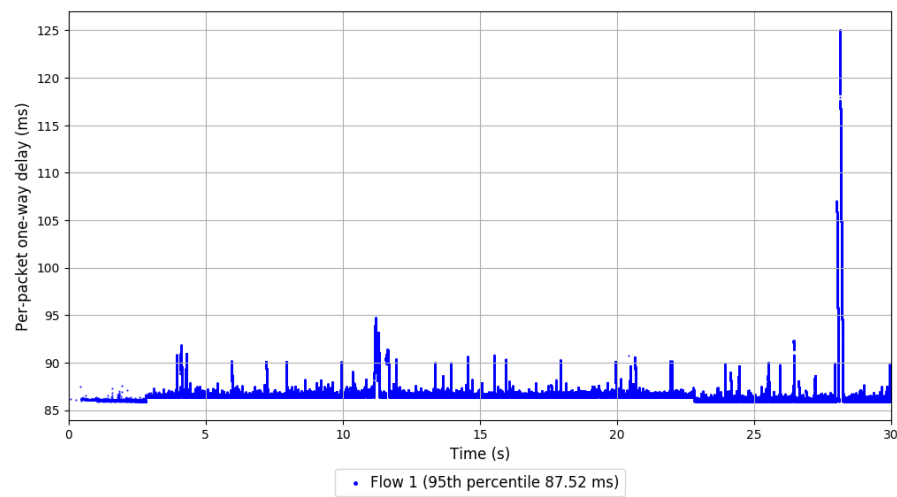
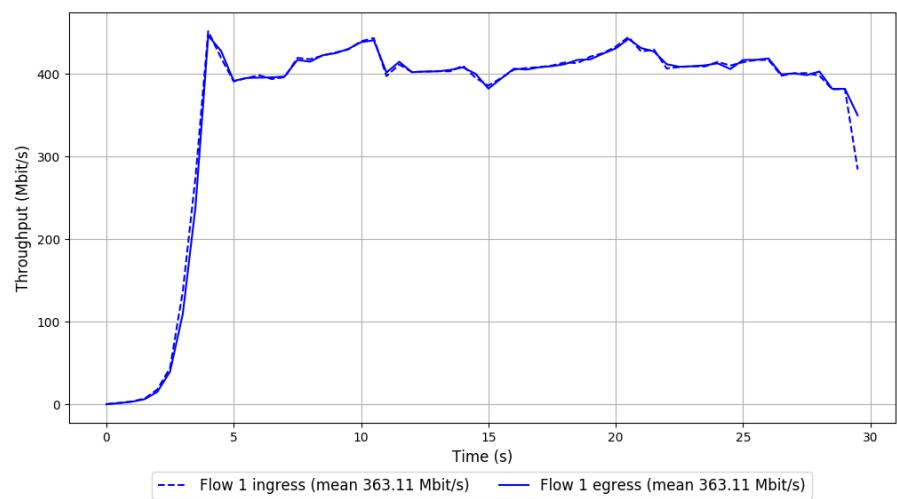
-- Flow 1:

Average throughput: 363.11 Mbit/s

95th percentile per-packet one-way delay: 87.523 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 09:32:01

End at: 2018-04-17 09:32:31

Below is generated by plot.py at 2018-04-17 12:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.21 Mbit/s

95th percentile per-packet one-way delay: 86.945 ms

Loss rate: 0.00%

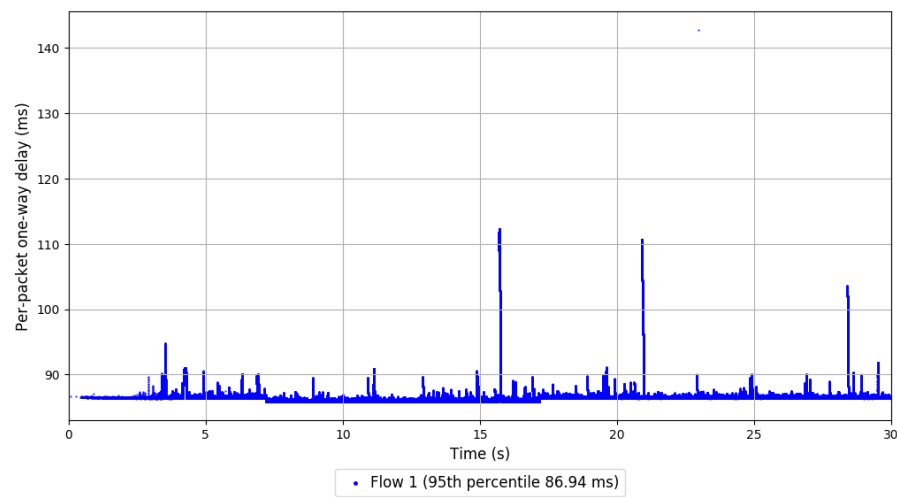
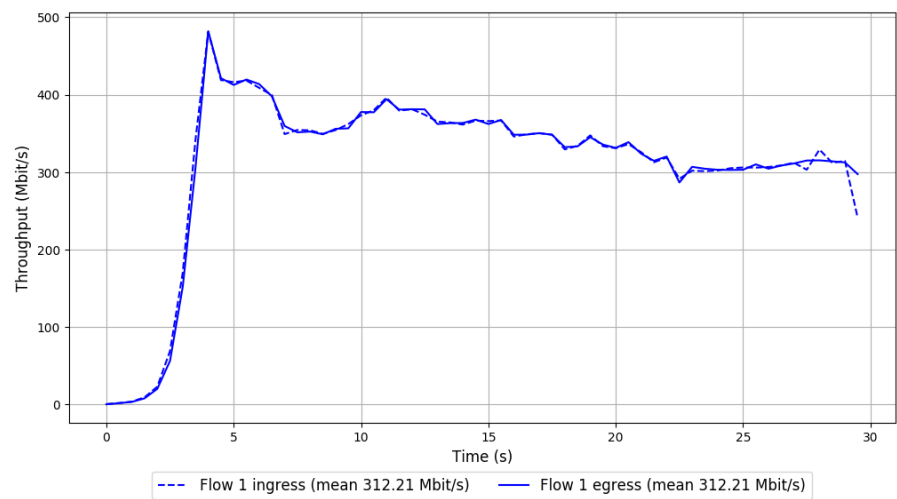
-- Flow 1:

Average throughput: 312.21 Mbit/s

95th percentile per-packet one-way delay: 86.945 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 09:45:26

End at: 2018-04-17 09:45:56

Below is generated by plot.py at 2018-04-17 12:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.92 Mbit/s

95th percentile per-packet one-way delay: 87.526 ms

Loss rate: 0.00%

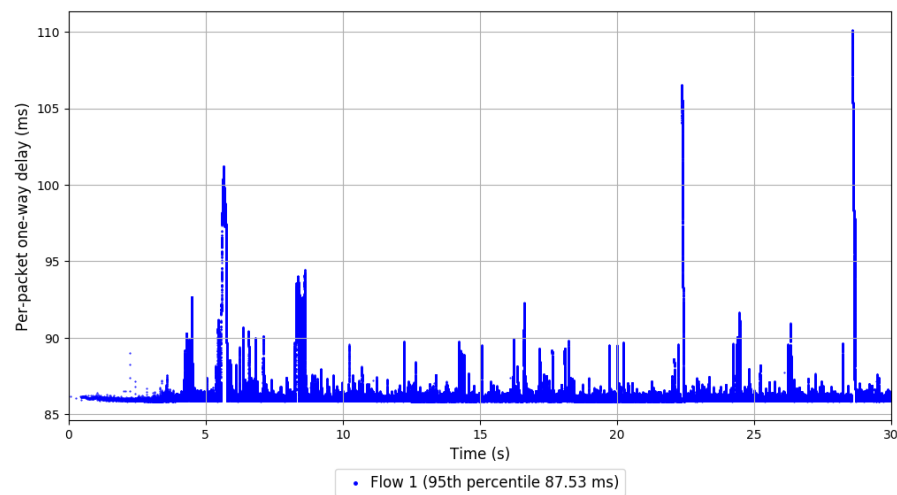
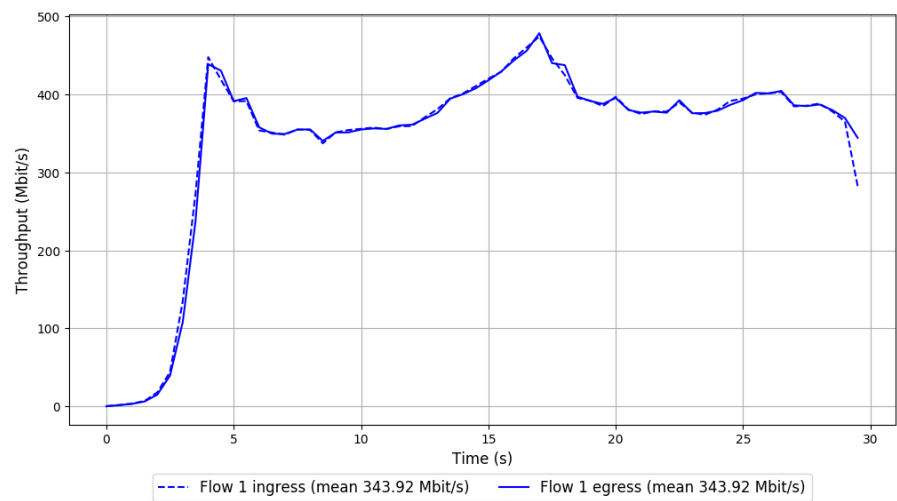
-- Flow 1:

Average throughput: 343.92 Mbit/s

95th percentile per-packet one-way delay: 87.526 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

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

End at: 2018-04-17 09:59:09

Below is generated by plot.py at 2018-04-17 12:16:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.78 Mbit/s

95th percentile per-packet one-way delay: 90.086 ms

Loss rate: 0.01%

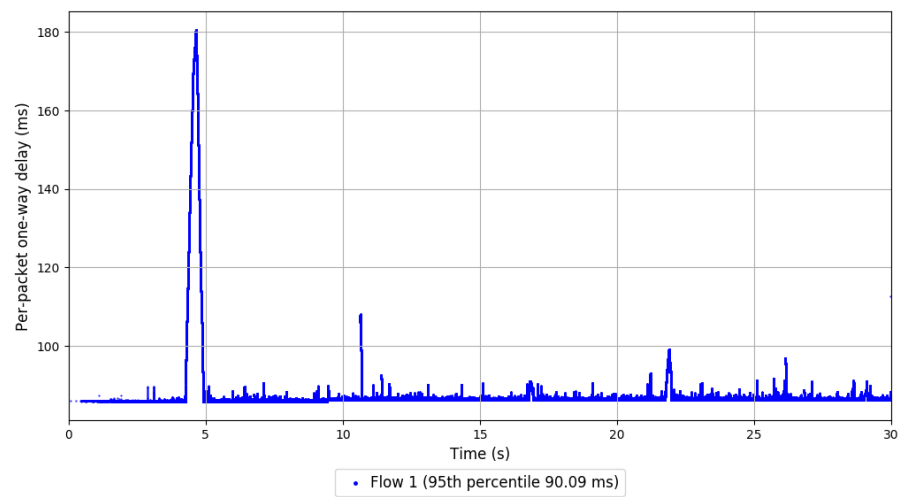
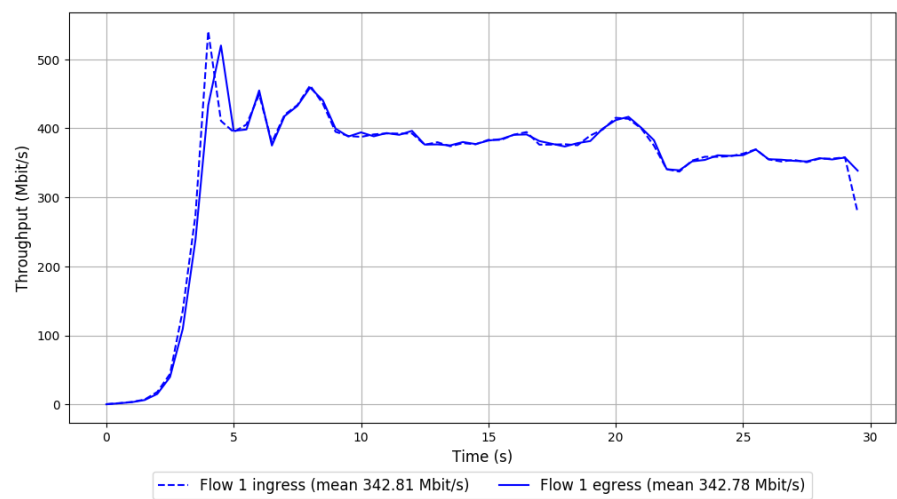
-- Flow 1:

Average throughput: 342.78 Mbit/s

95th percentile per-packet one-way delay: 90.086 ms

Loss rate: 0.01%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 07:55:05

End at: 2018-04-17 07:55:35

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 08:08:31

End at: 2018-04-17 08:09:01

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 08:22:03

End at: 2018-04-17 08:22:33

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 08:35:40

End at: 2018-04-17 08:36:10

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 08:49:14

End at: 2018-04-17 08:49:44

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 09:02:50

End at: 2018-04-17 09:03:20

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 09:16:29

End at: 2018-04-17 09:16:59

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 09:29:46

End at: 2018-04-17 09:30:16

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 09:43:18

End at: 2018-04-17 09:43:48

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 09:56:32

End at: 2018-04-17 09:57:02

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing