

Pantheon Report

Generated at 2018-04-24 11:44:48 (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.

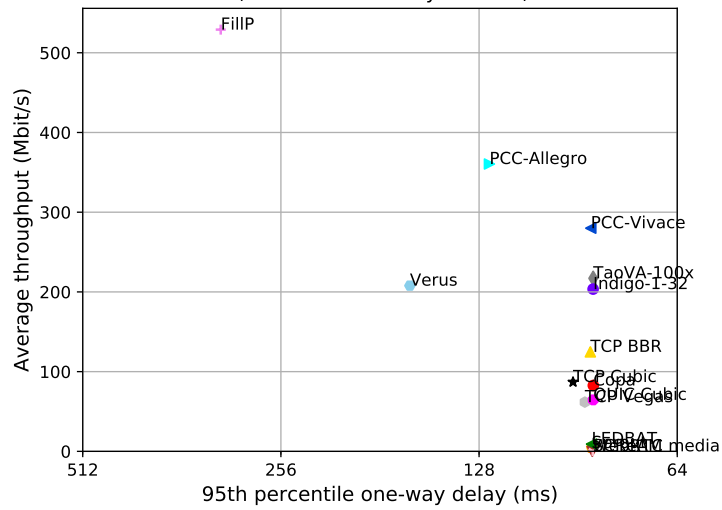
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

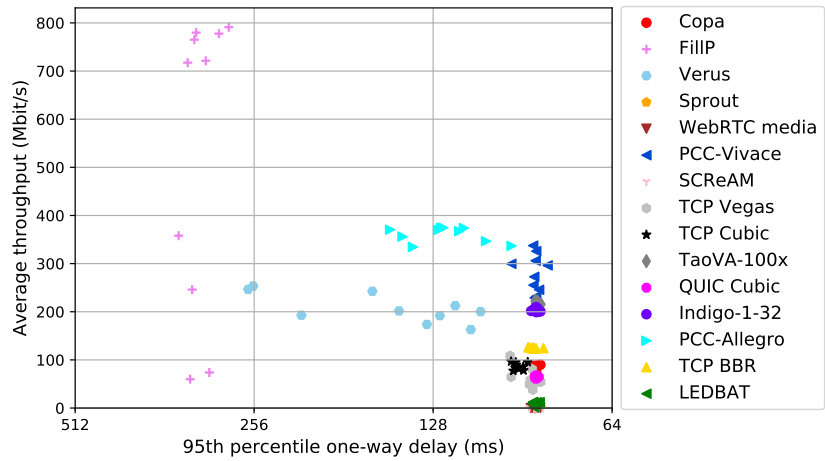
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 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 @ f1a14bffe749737437f61b1eae30b267cde681
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	124.80	86.73	0.00
TCP Cubic	10	86.98	92.15	0.00
LEDBAT	10	9.14	86.38	0.00
PCC-Allegro	10	360.45	123.43	0.19
QUIC Cubic	9	64.57	85.86	0.00
SCReAM	10	0.22	86.02	0.00
WebRTC media	10	0.06	86.15	0.00
Sprout	10	4.19	86.39	0.01
TaoVA-100x	10	217.04	85.87	0.00
TCP Vegas	10	61.76	88.42	0.00
Verus	10	207.87	163.06	0.50
Copa	10	82.66	85.84	0.00
FillP	10	529.03	315.96	3.16
Indigo-1-32	10	203.55	85.90	0.00
PCC-Vivace	10	279.94	86.61	0.00
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 07:25:34

End at: 2018-04-24 07:26:04

Below is generated by plot.py at 2018-04-24 10:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.44 Mbit/s

95th percentile per-packet one-way delay: 83.491 ms

Loss rate: 0.00%

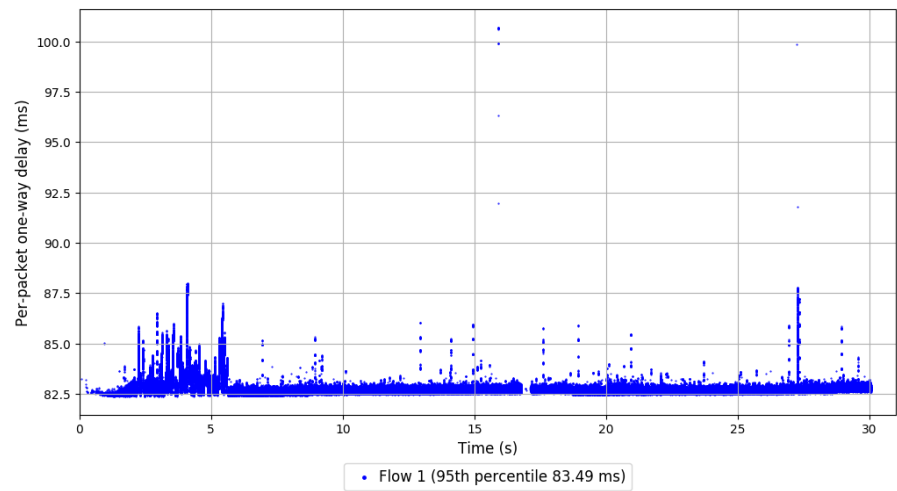
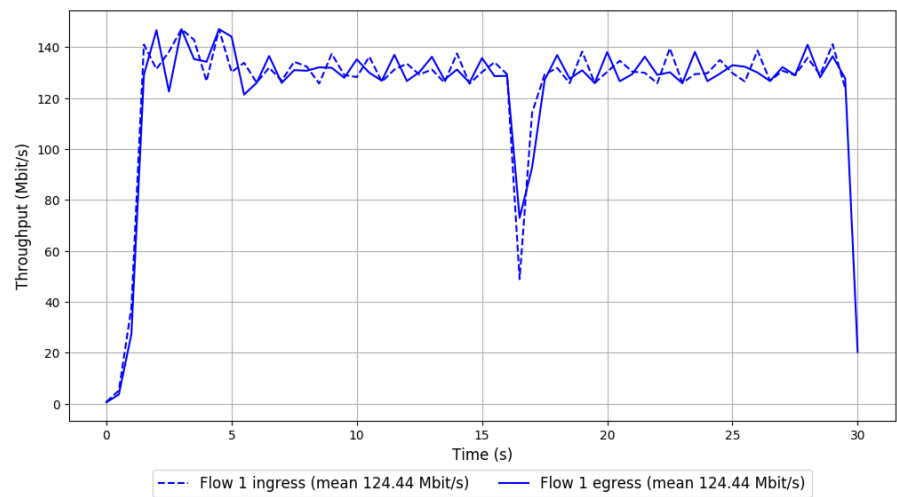
-- Flow 1:

Average throughput: 124.44 Mbit/s

95th percentile per-packet one-way delay: 83.491 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-24 07:39:02

End at: 2018-04-24 07:39:32

Below is generated by plot.py at 2018-04-24 10:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.34 Mbit/s

95th percentile per-packet one-way delay: 85.948 ms

Loss rate: 0.00%

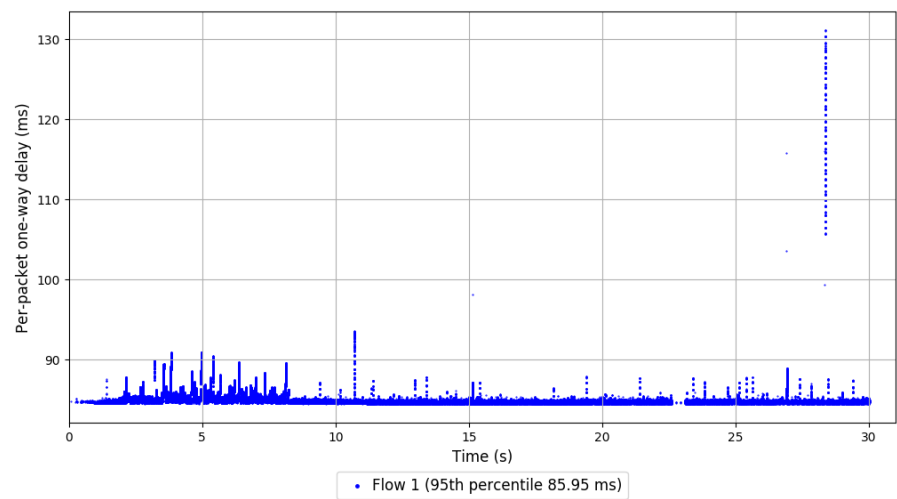
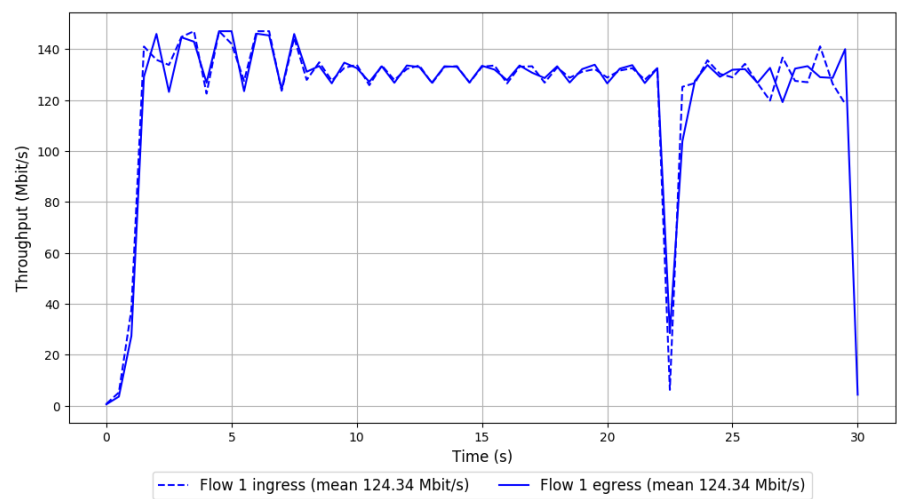
-- Flow 1:

Average throughput: 124.34 Mbit/s

95th percentile per-packet one-way delay: 85.948 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-24 07:52:44

End at: 2018-04-24 07:53:14

Below is generated by plot.py at 2018-04-24 10:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.26 Mbit/s

95th percentile per-packet one-way delay: 87.332 ms

Loss rate: 0.00%

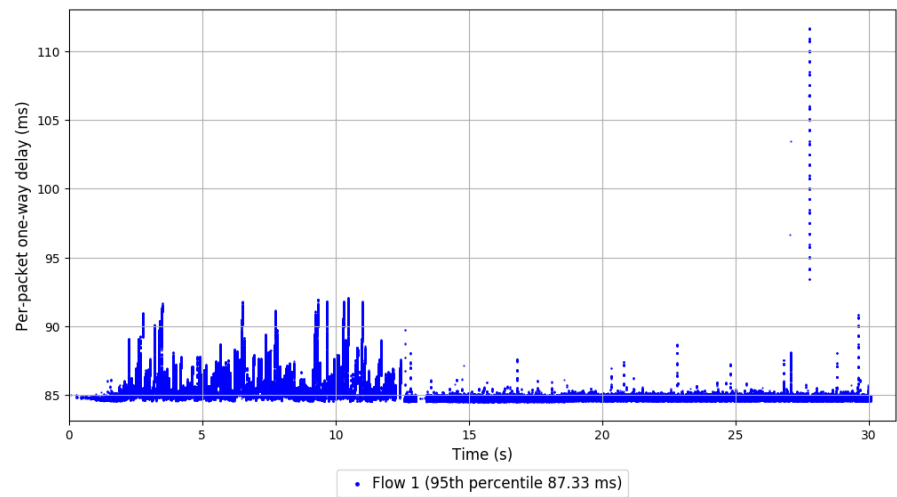
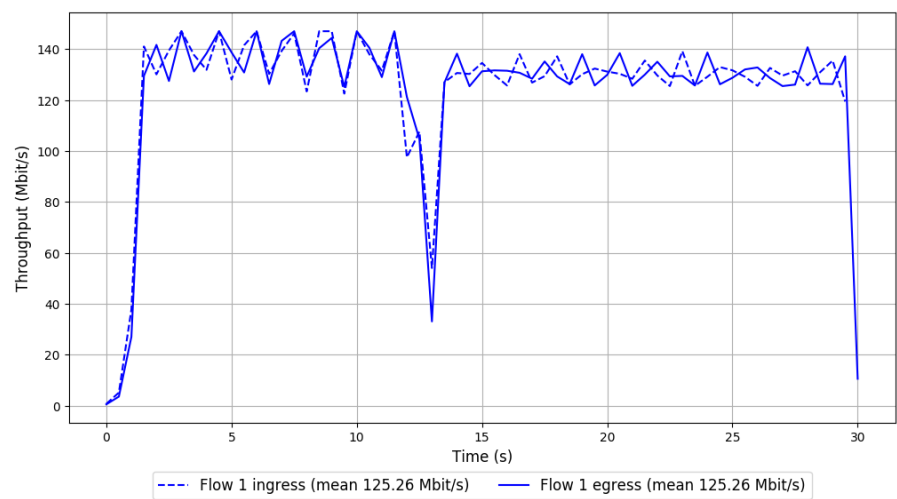
-- Flow 1:

Average throughput: 125.26 Mbit/s

95th percentile per-packet one-way delay: 87.332 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-24 08:06:17

End at: 2018-04-24 08:06:47

Below is generated by plot.py at 2018-04-24 10:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.01 Mbit/s

95th percentile per-packet one-way delay: 87.037 ms

Loss rate: 0.00%

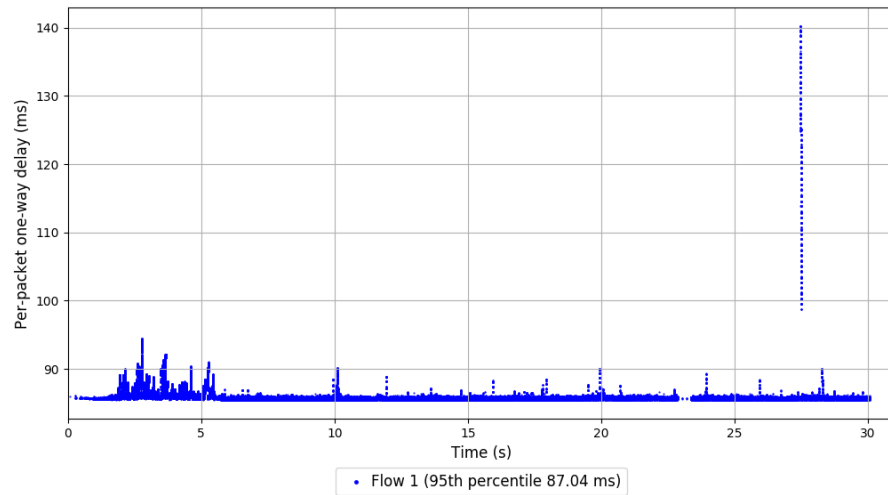
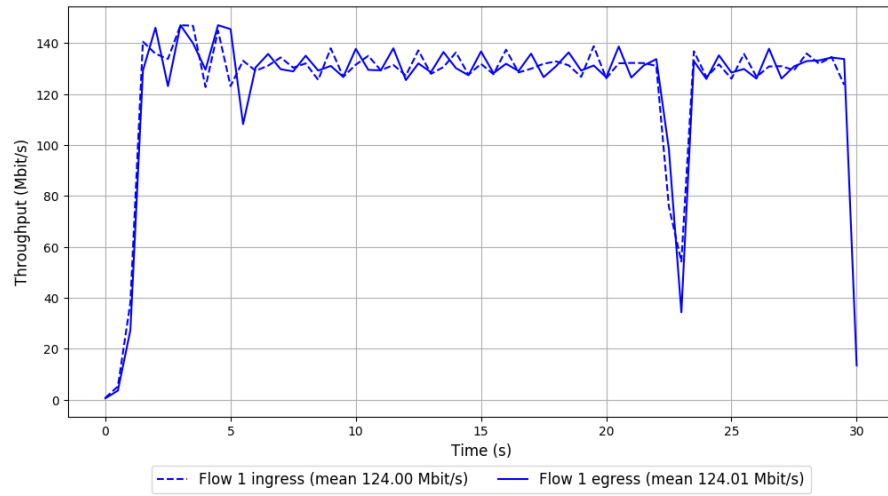
-- Flow 1:

Average throughput: 124.01 Mbit/s

95th percentile per-packet one-way delay: 87.037 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-24 08:19:32

End at: 2018-04-24 08:20:02

Below is generated by plot.py at 2018-04-24 10:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.10 Mbit/s

95th percentile per-packet one-way delay: 86.062 ms

Loss rate: 0.00%

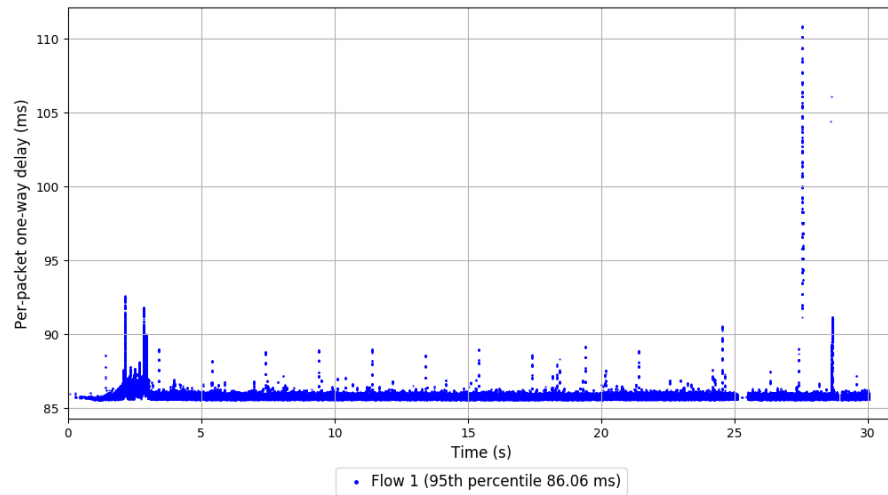
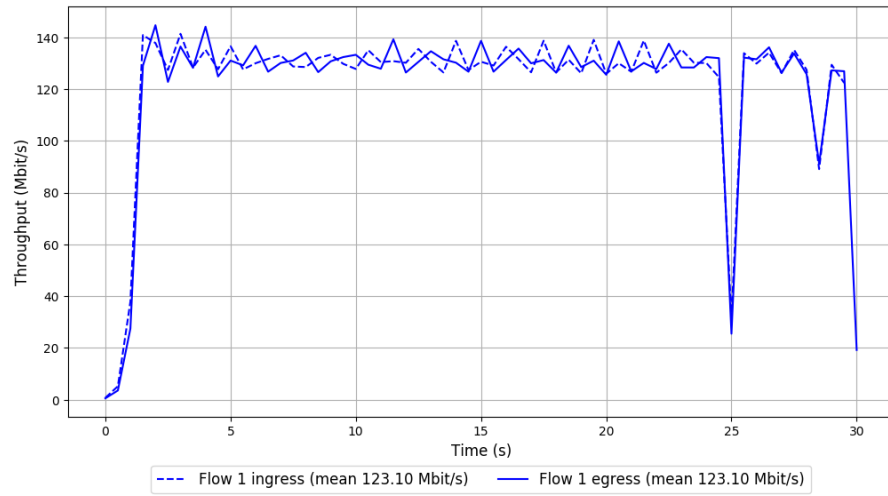
-- Flow 1:

Average throughput: 123.10 Mbit/s

95th percentile per-packet one-way delay: 86.062 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-24 08:33:11

End at: 2018-04-24 08:33:41

Below is generated by plot.py at 2018-04-24 10:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.67 Mbit/s

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

Loss rate: 0.00%

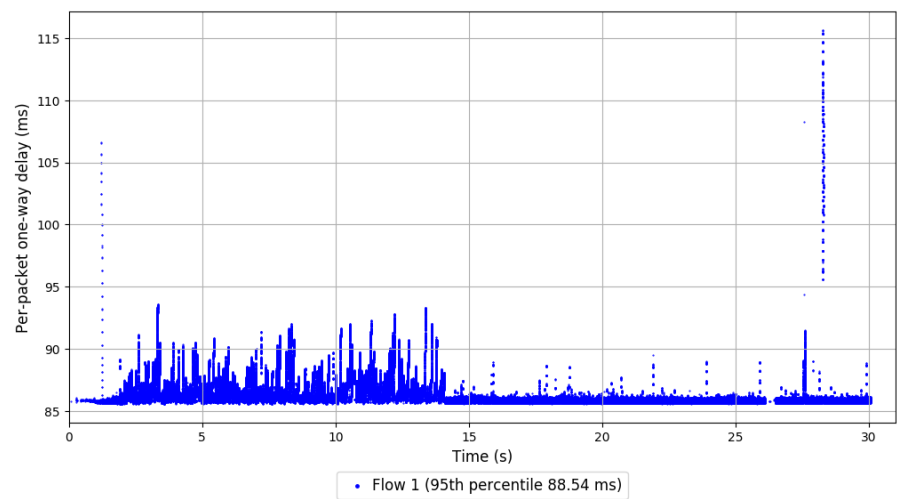
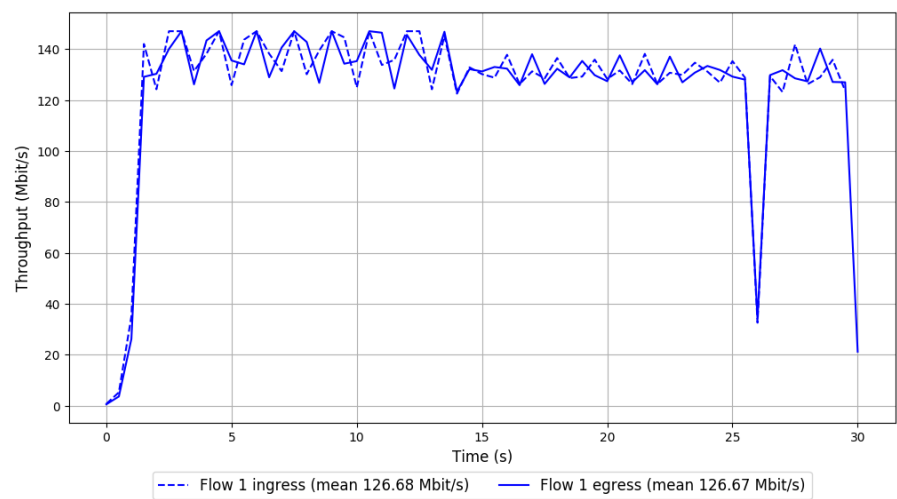
-- Flow 1:

Average throughput: 126.67 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-24 08:46:28

End at: 2018-04-24 08:46:58

Below is generated by plot.py at 2018-04-24 10:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.58 Mbit/s

95th percentile per-packet one-way delay: 87.346 ms

Loss rate: 0.00%

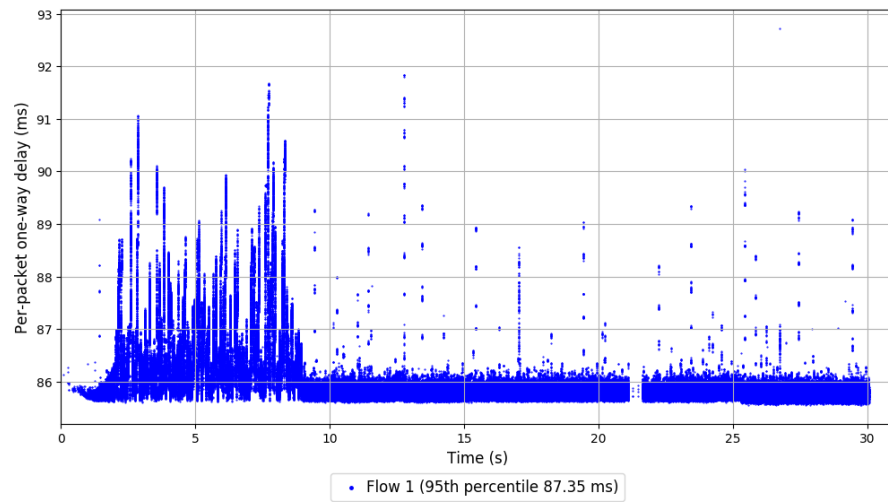
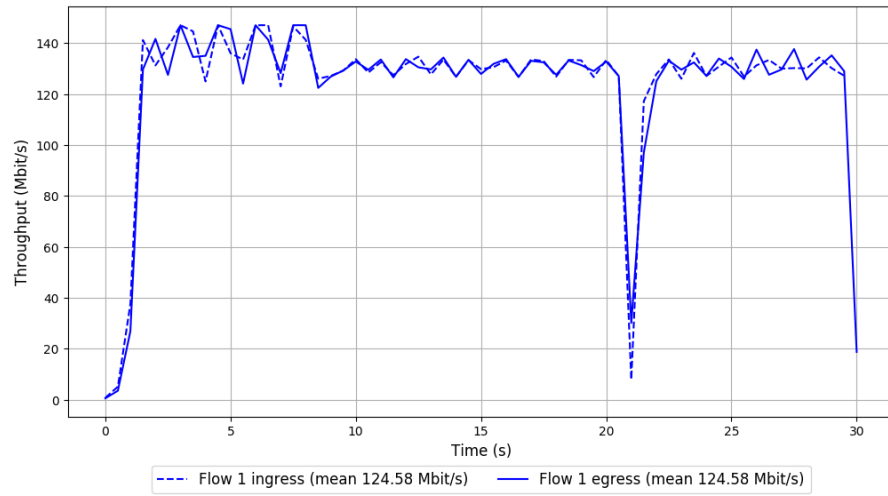
-- Flow 1:

Average throughput: 124.58 Mbit/s

95th percentile per-packet one-way delay: 87.346 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-24 09:00:06

End at: 2018-04-24 09:00:36

Below is generated by plot.py at 2018-04-24 10:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.91 Mbit/s

95th percentile per-packet one-way delay: 86.489 ms

Loss rate: 0.00%

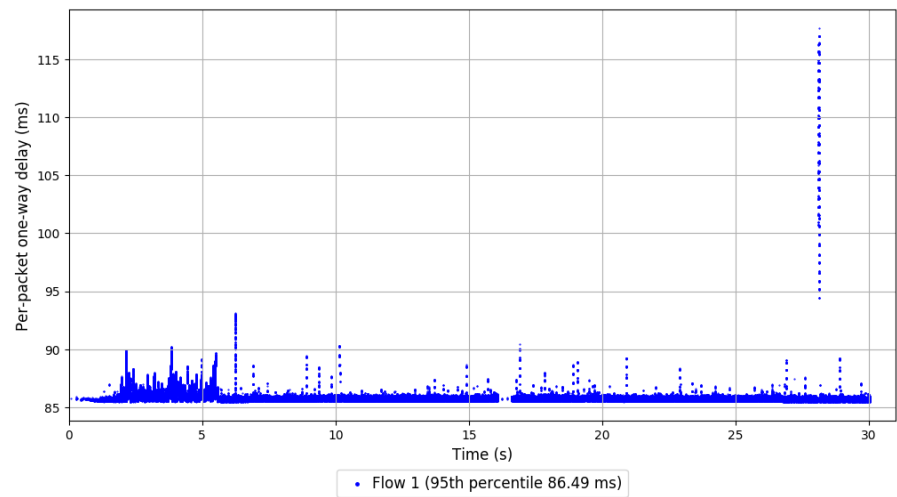
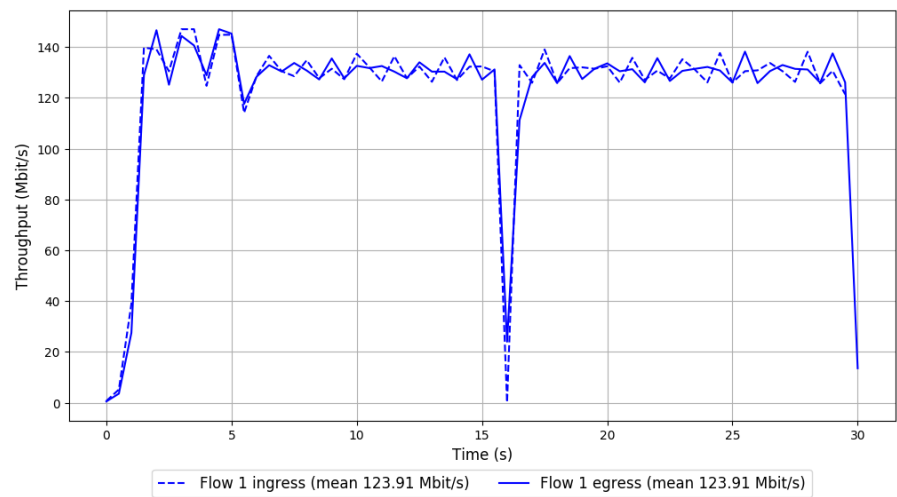
-- Flow 1:

Average throughput: 123.91 Mbit/s

95th percentile per-packet one-way delay: 86.489 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-24 09:13:21

End at: 2018-04-24 09:13:51

Below is generated by plot.py at 2018-04-24 10:53:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.85 Mbit/s

95th percentile per-packet one-way delay: 86.875 ms

Loss rate: 0.00%

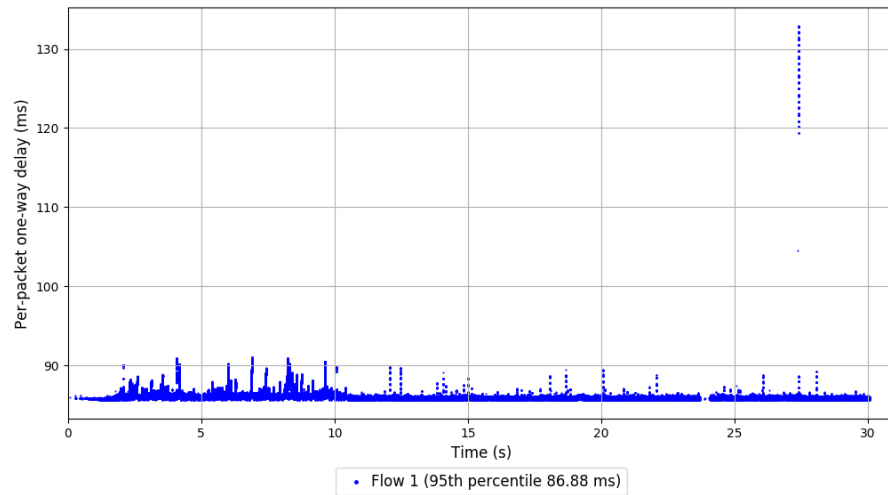
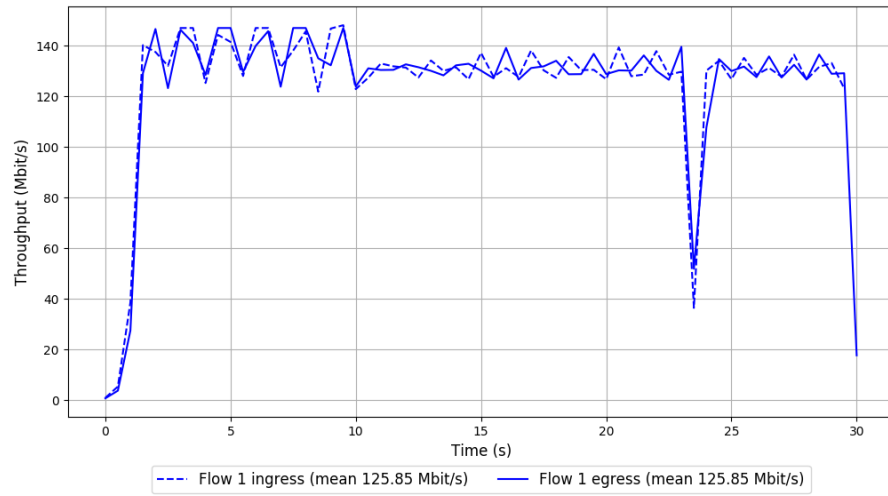
-- Flow 1:

Average throughput: 125.85 Mbit/s

95th percentile per-packet one-way delay: 86.875 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 09:26:55

End at: 2018-04-24 09:27:25

Below is generated by plot.py at 2018-04-24 10:53:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.82 Mbit/s

95th percentile per-packet one-way delay: 88.230 ms

Loss rate: 0.00%

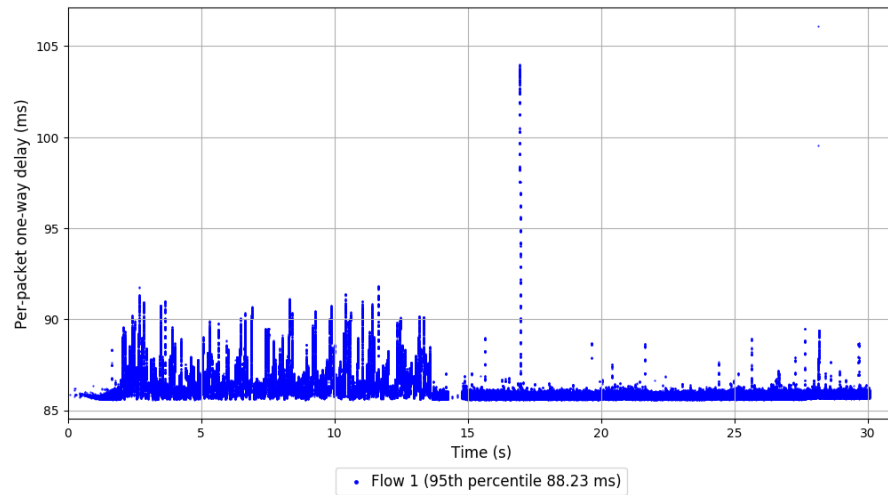
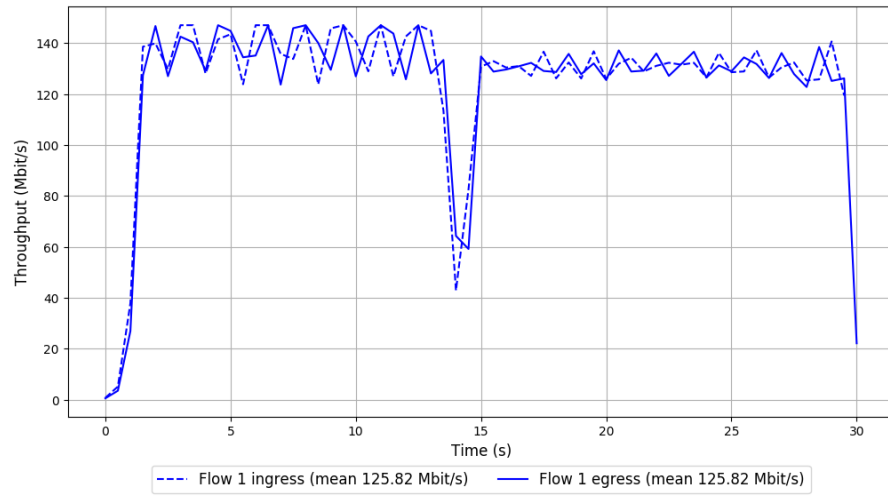
-- Flow 1:

Average throughput: 125.82 Mbit/s

95th percentile per-packet one-way delay: 88.230 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 07:31:57

End at: 2018-04-24 07:32:27

Below is generated by plot.py at 2018-04-24 10:53:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.58 Mbit/s

95th percentile per-packet one-way delay: 90.296 ms

Loss rate: 0.00%

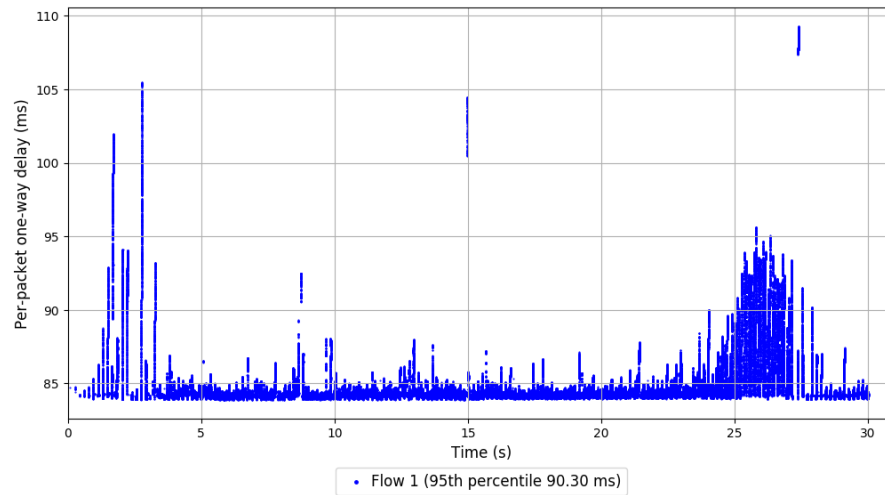
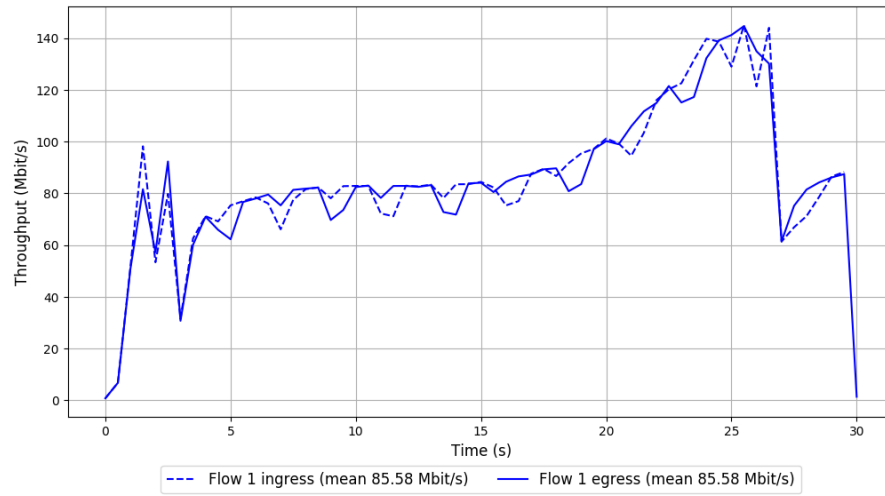
-- Flow 1:

Average throughput: 85.58 Mbit/s

95th percentile per-packet one-way delay: 90.296 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 07:45:35

End at: 2018-04-24 07:46:05

Below is generated by plot.py at 2018-04-24 10:53:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.19 Mbit/s

95th percentile per-packet one-way delay: 90.192 ms

Loss rate: 0.00%

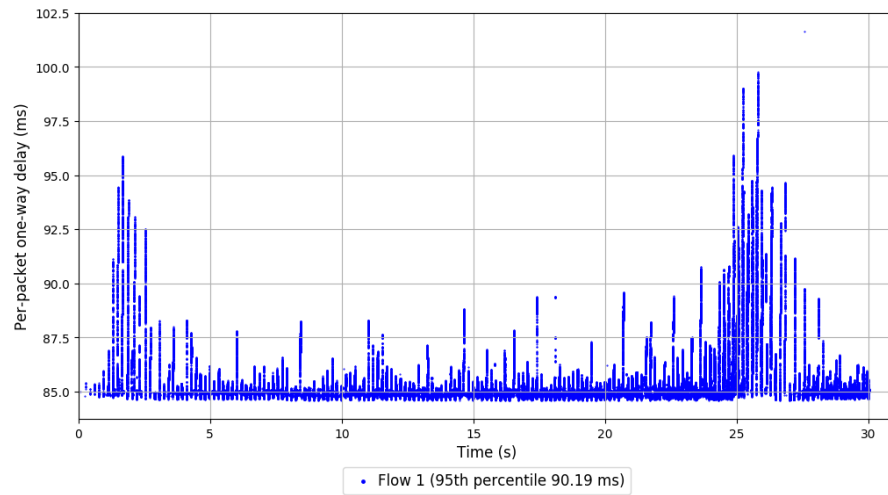
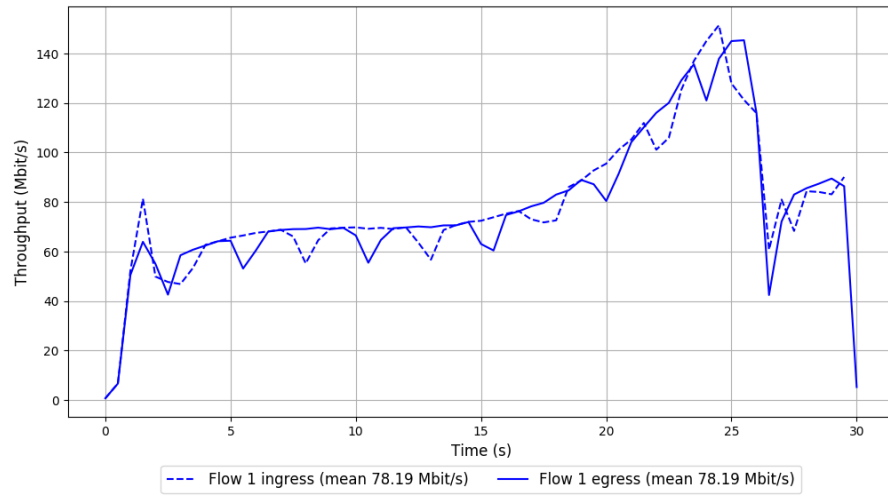
-- Flow 1:

Average throughput: 78.19 Mbit/s

95th percentile per-packet one-way delay: 90.192 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 07:59:02

End at: 2018-04-24 07:59:32

Below is generated by plot.py at 2018-04-24 10:53:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.12 Mbit/s

95th percentile per-packet one-way delay: 92.973 ms

Loss rate: 0.04%

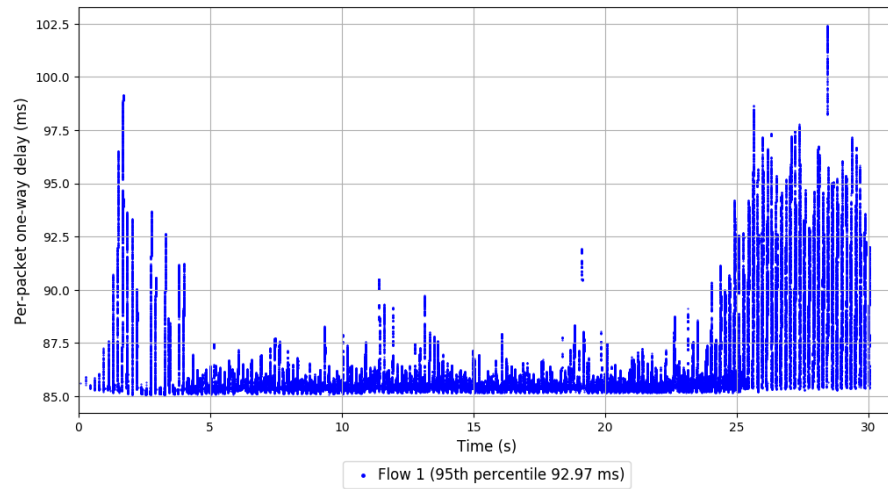
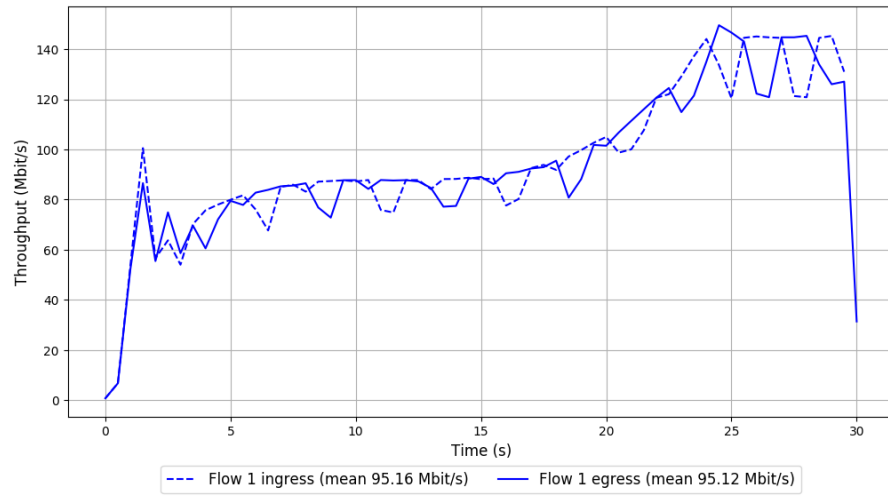
-- Flow 1:

Average throughput: 95.12 Mbit/s

95th percentile per-packet one-way delay: 92.973 ms

Loss rate: 0.04%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 08:12:27

End at: 2018-04-24 08:12:57

Below is generated by plot.py at 2018-04-24 10:53:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.03 Mbit/s

95th percentile per-packet one-way delay: 92.911 ms

Loss rate: 0.00%

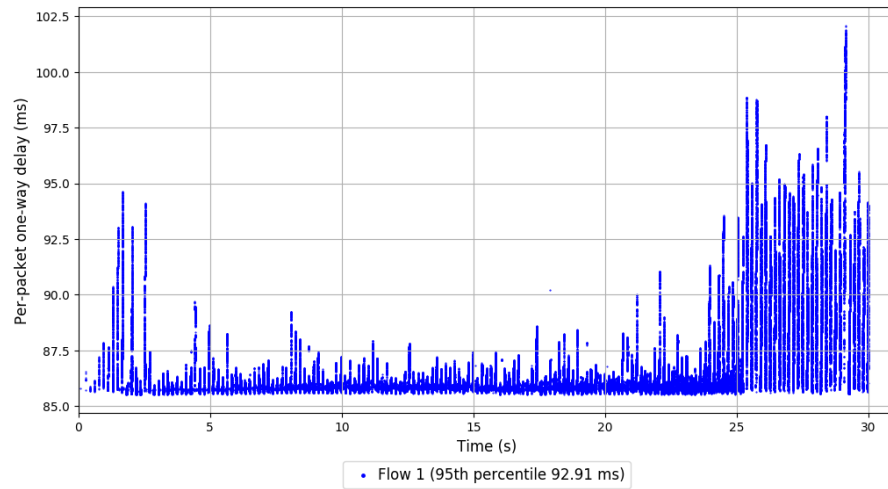
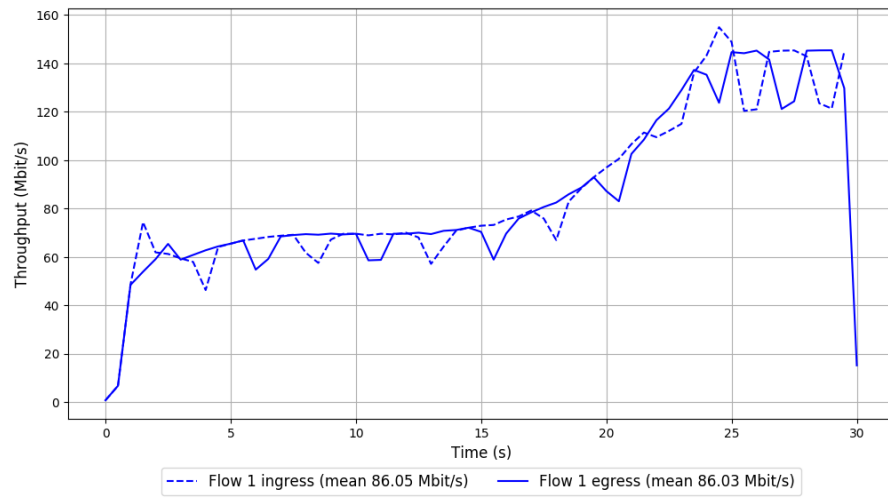
-- Flow 1:

Average throughput: 86.03 Mbit/s

95th percentile per-packet one-way delay: 92.911 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 08:26:07

End at: 2018-04-24 08:26:37

Below is generated by plot.py at 2018-04-24 10:53:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.66 Mbit/s

95th percentile per-packet one-way delay: 94.640 ms

Loss rate: 0.00%

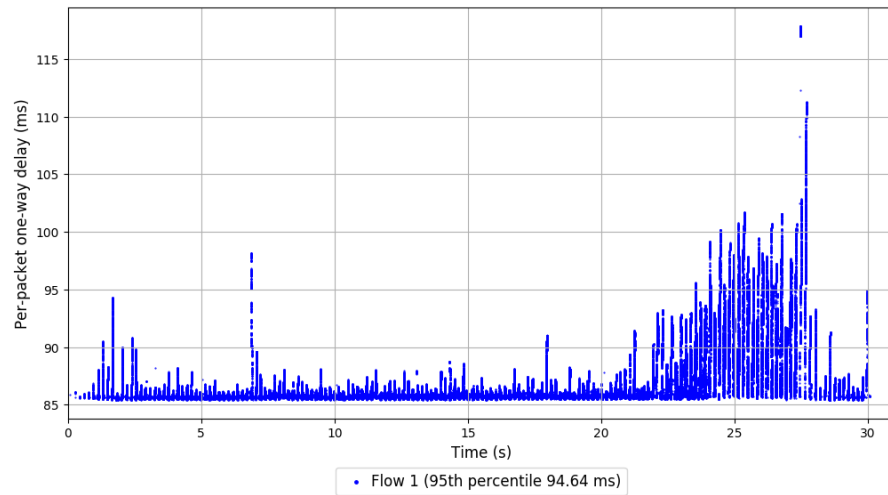
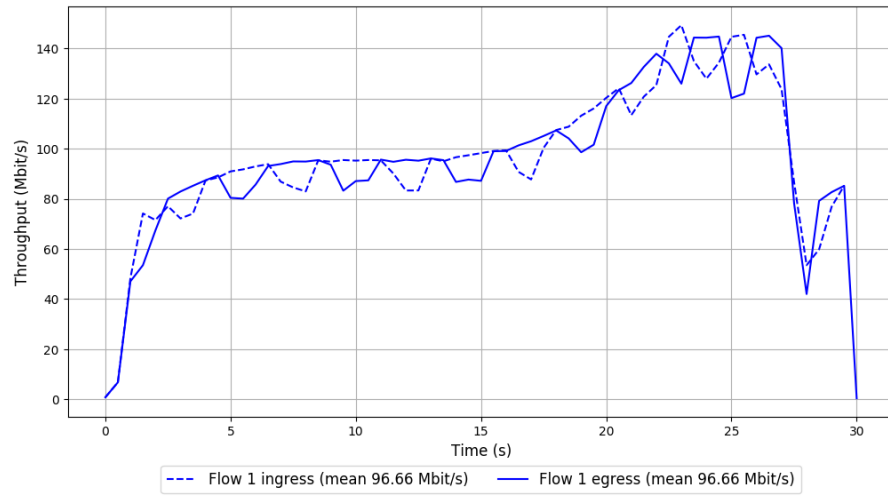
-- Flow 1:

Average throughput: 96.66 Mbit/s

95th percentile per-packet one-way delay: 94.640 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 08:39:18

End at: 2018-04-24 08:39:48

Below is generated by plot.py at 2018-04-24 10:53:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.92 Mbit/s

95th percentile per-packet one-way delay: 92.849 ms

Loss rate: 0.00%

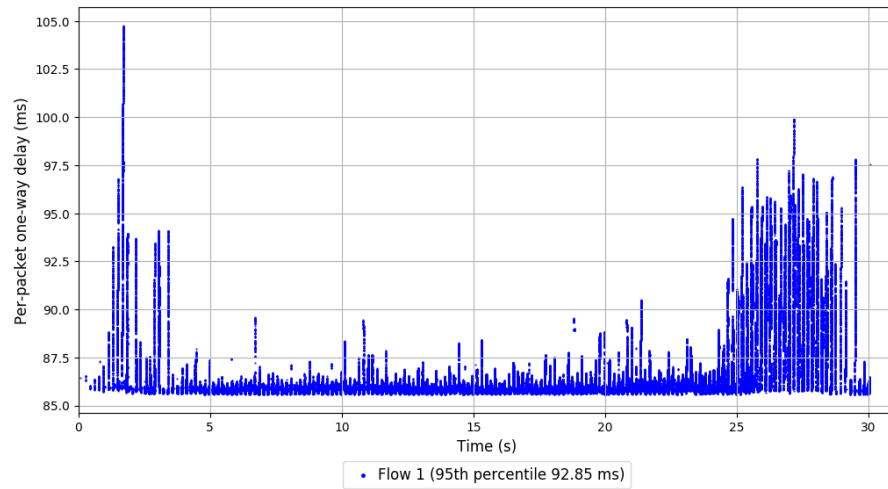
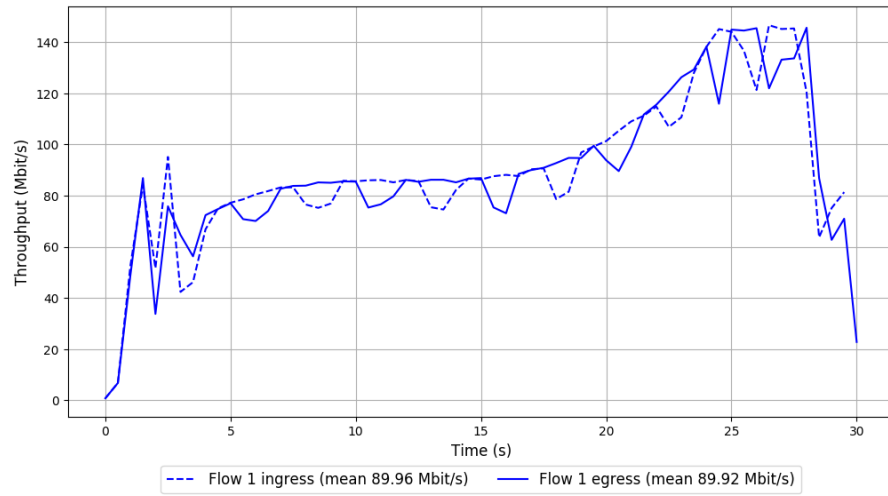
-- Flow 1:

Average throughput: 89.92 Mbit/s

95th percentile per-packet one-way delay: 92.849 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 08:52:56

End at: 2018-04-24 08:53:26

Below is generated by plot.py at 2018-04-24 10:54:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 93.135 ms

Loss rate: 0.00%

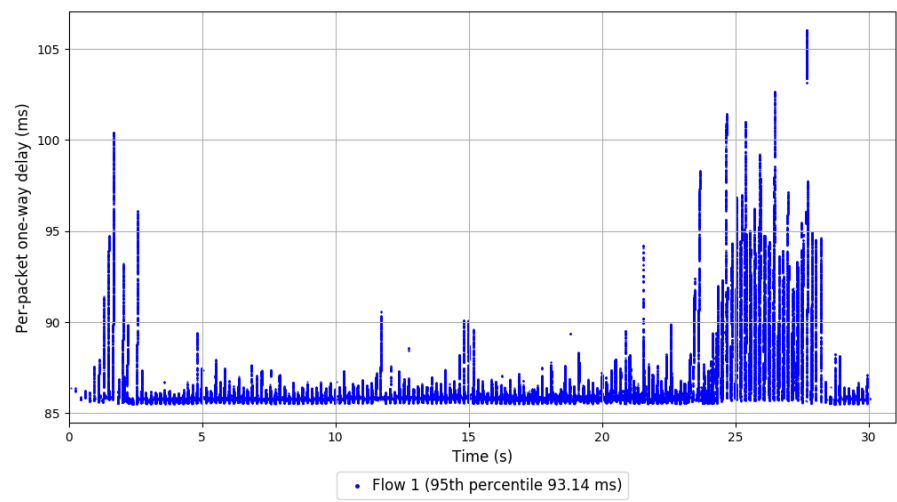
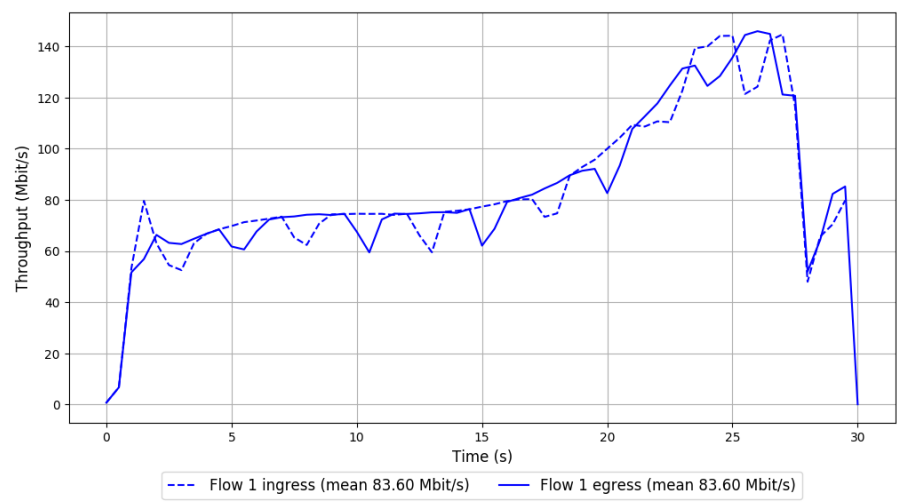
-- Flow 1:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 93.135 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 09:06:11

End at: 2018-04-24 09:06:41

Below is generated by plot.py at 2018-04-24 10:54:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.44 Mbit/s

95th percentile per-packet one-way delay: 93.843 ms

Loss rate: 0.00%

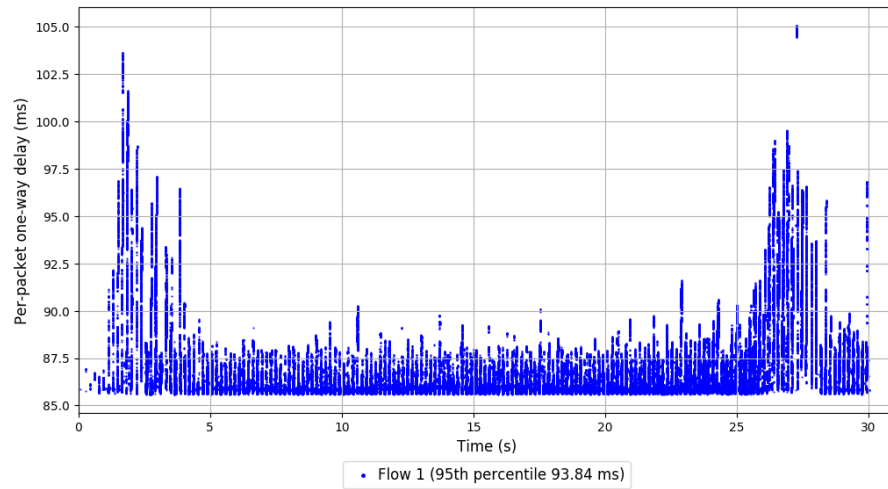
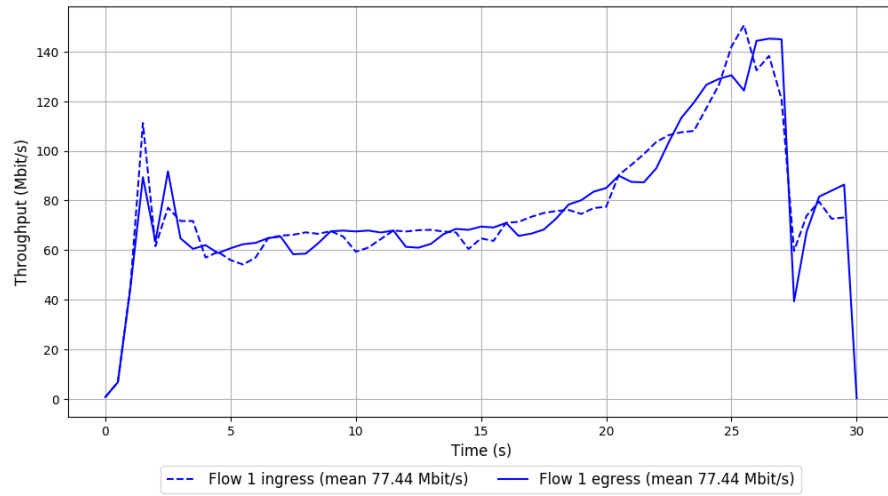
-- Flow 1:

Average throughput: 77.44 Mbit/s

95th percentile per-packet one-way delay: 93.843 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 09:19:50

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

Below is generated by plot.py at 2018-04-24 10:54:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.84 Mbit/s

95th percentile per-packet one-way delay: 91.892 ms

Loss rate: 0.00%

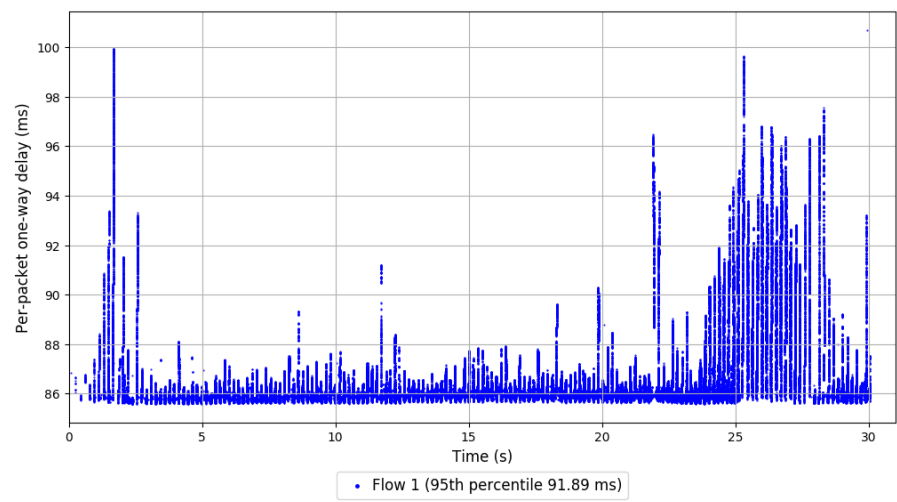
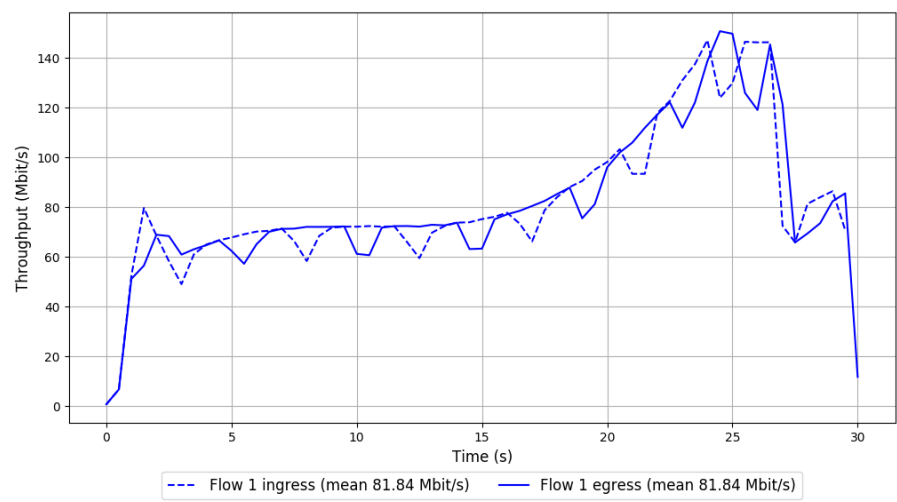
-- Flow 1:

Average throughput: 81.84 Mbit/s

95th percentile per-packet one-way delay: 91.892 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 09:33:27

End at: 2018-04-24 09:33:57

Below is generated by plot.py at 2018-04-24 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 88.753 ms

Loss rate: 0.00%

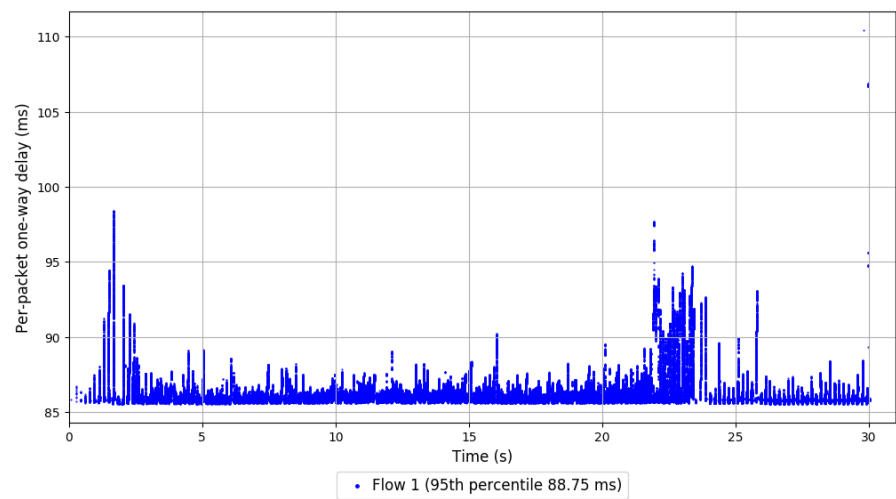
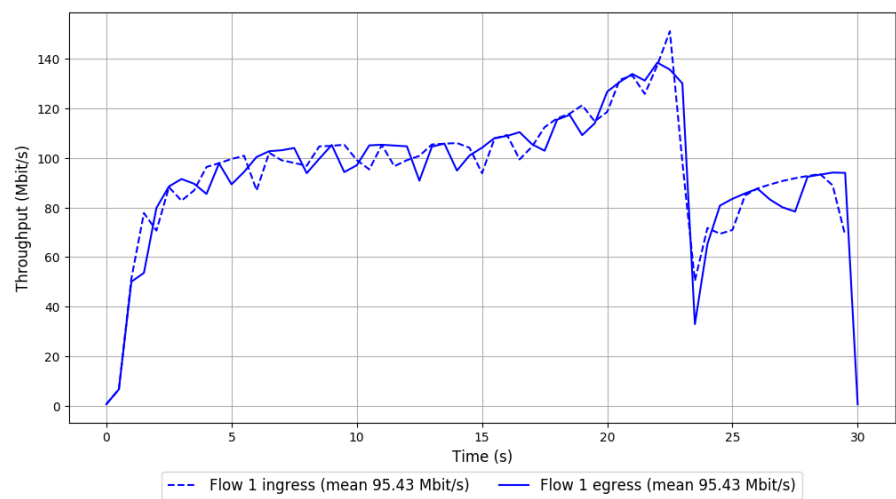
-- Flow 1:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 88.753 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

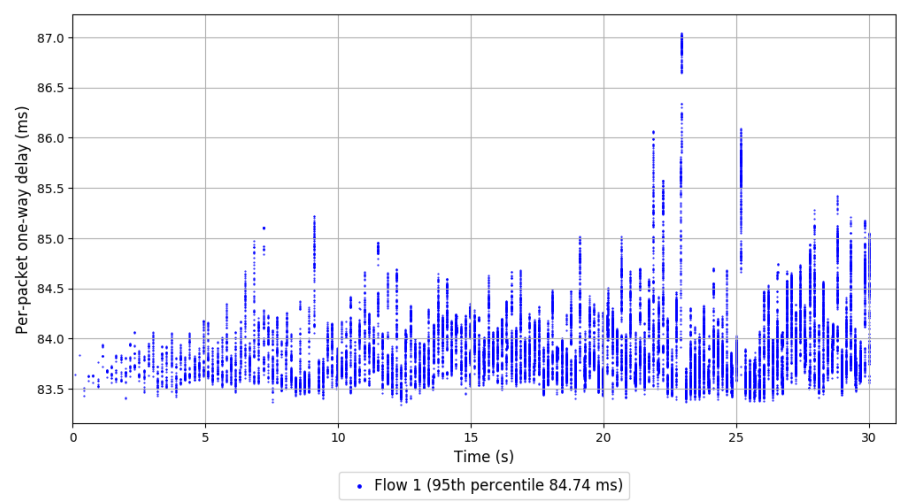
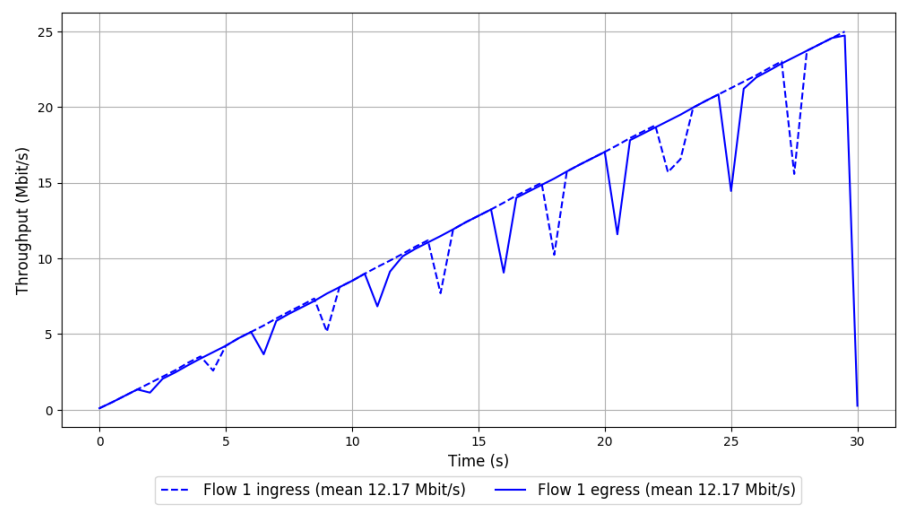


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 07:28:50
End at: 2018-04-24 07:29:21

# Below is generated by plot.py at 2018-04-24 10:54:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 84.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 84.736 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

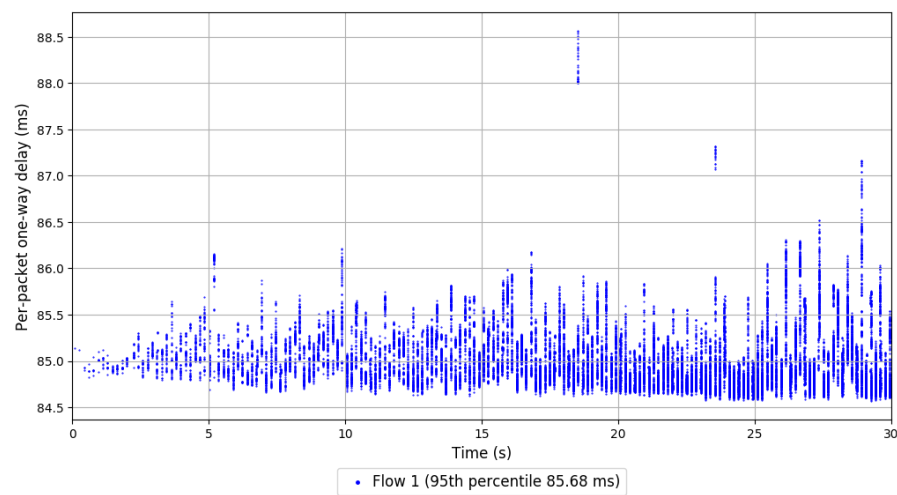
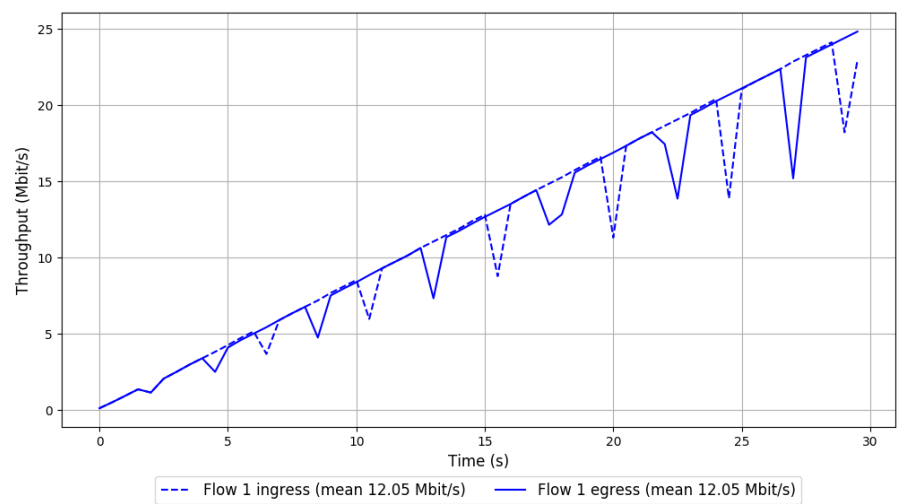


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-24 07:42:20
End at: 2018-04-24 07:42:50

# Below is generated by plot.py at 2018-04-24 10:54:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 85.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 85.677 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-24 07:55:46

End at: 2018-04-24 07:56:16

Below is generated by plot.py at 2018-04-24 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 85.920 ms

Loss rate: 0.00%

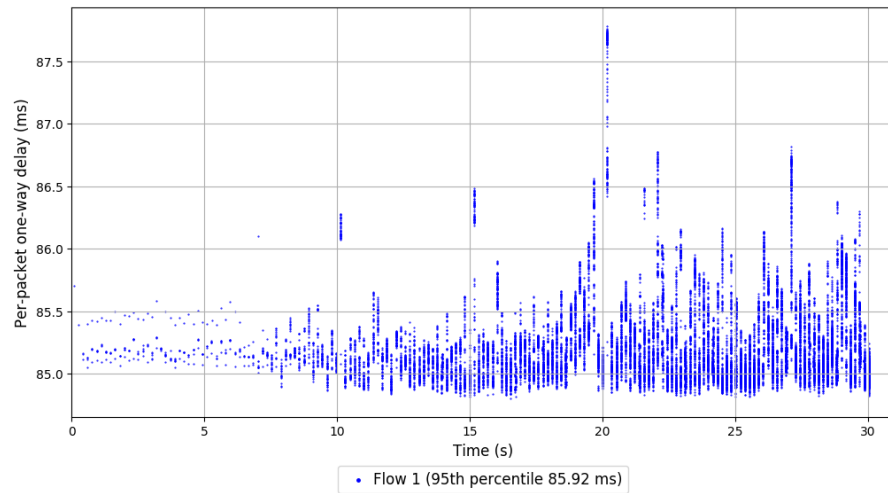
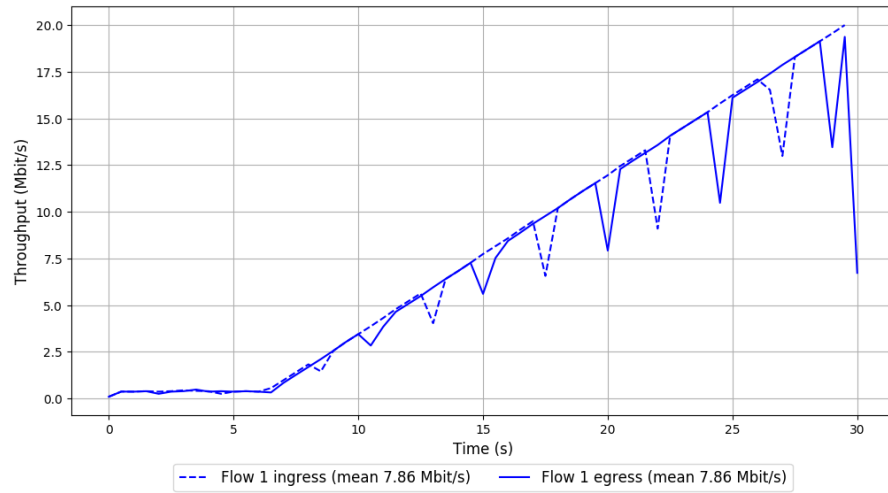
-- Flow 1:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 85.920 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-24 08:09:13

End at: 2018-04-24 08:09:43

Below is generated by plot.py at 2018-04-24 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.95 Mbit/s

95th percentile per-packet one-way delay: 86.577 ms

Loss rate: 0.00%

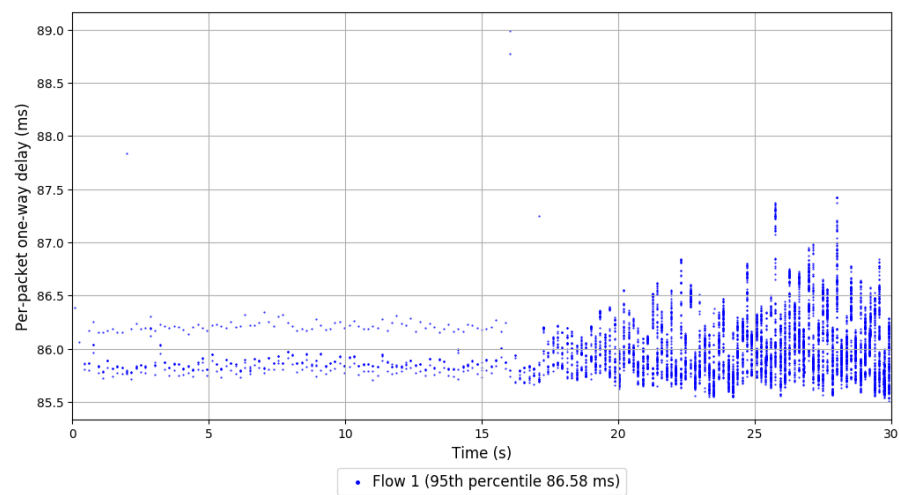
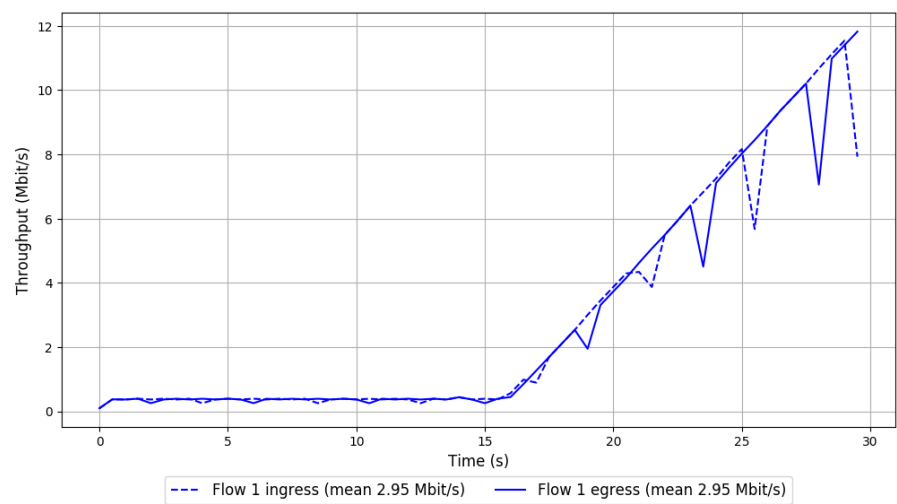
-- Flow 1:

Average throughput: 2.95 Mbit/s

95th percentile per-packet one-way delay: 86.577 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-24 08:22:51

End at: 2018-04-24 08:23:21

Below is generated by plot.py at 2018-04-24 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.25 Mbit/s

95th percentile per-packet one-way delay: 86.829 ms

Loss rate: 0.00%

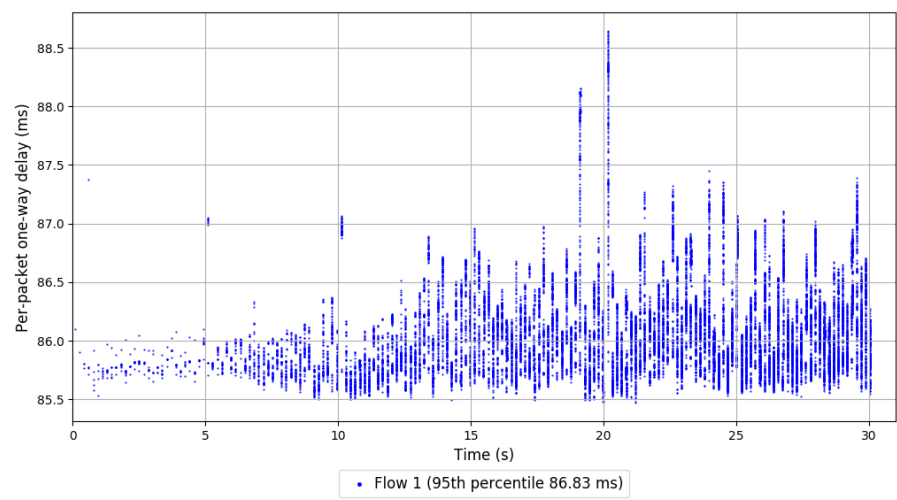
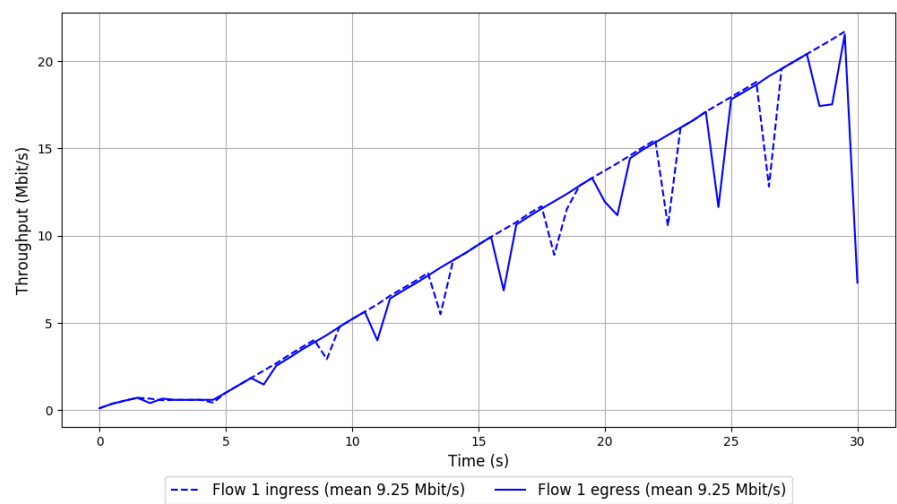
-- Flow 1:

Average throughput: 9.25 Mbit/s

95th percentile per-packet one-way delay: 86.829 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-24 08:36:03

End at: 2018-04-24 08:36:33

Below is generated by plot.py at 2018-04-24 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.16 Mbit/s

95th percentile per-packet one-way delay: 86.976 ms

Loss rate: 0.00%

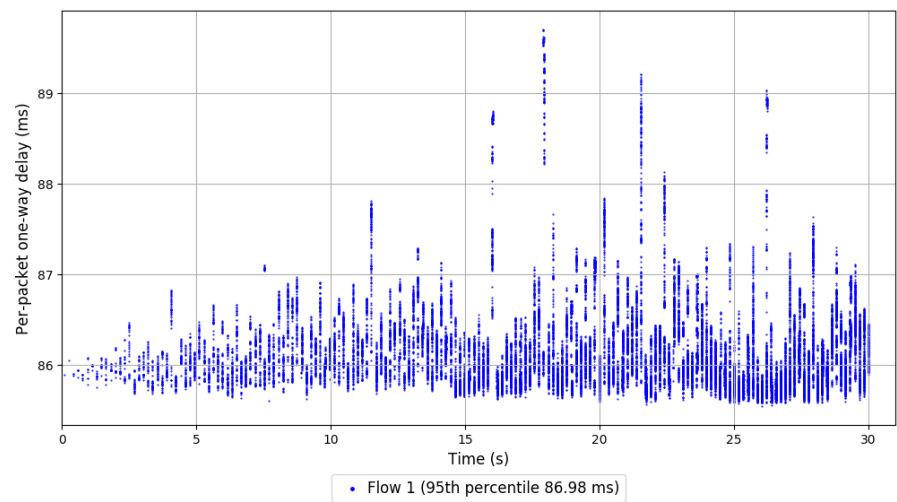
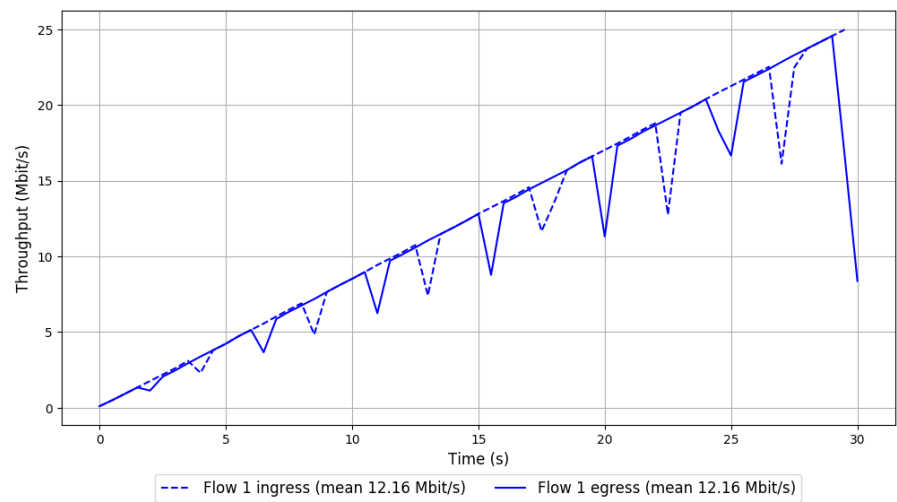
-- Flow 1:

Average throughput: 12.16 Mbit/s

95th percentile per-packet one-way delay: 86.976 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-24 08:49:42

End at: 2018-04-24 08:50:12

Below is generated by plot.py at 2018-04-24 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.27 Mbit/s

95th percentile per-packet one-way delay: 86.753 ms

Loss rate: 0.00%

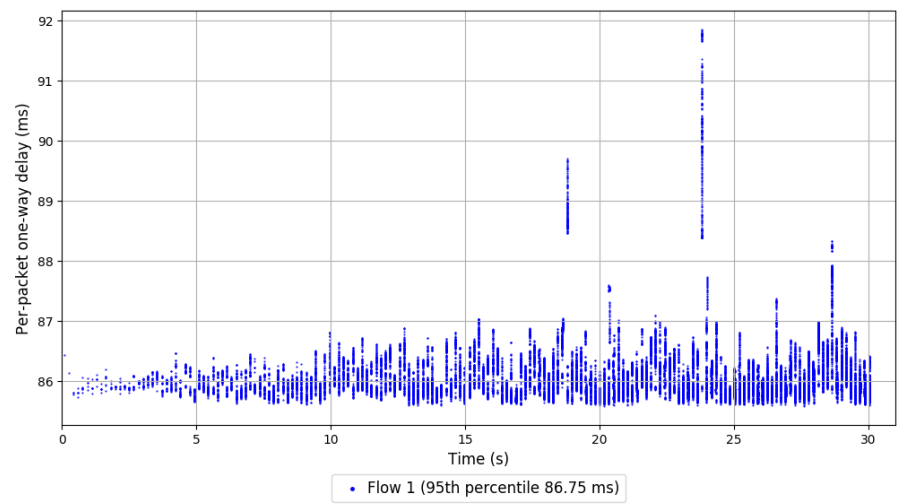
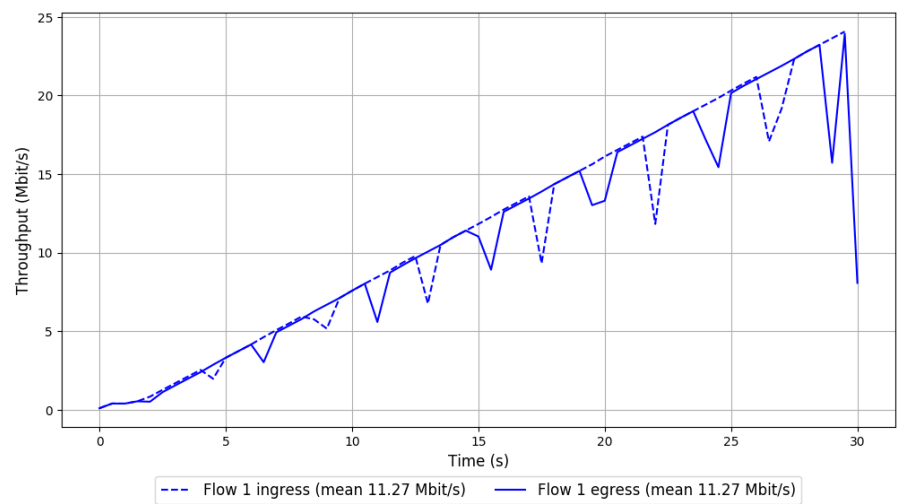
-- Flow 1:

Average throughput: 11.27 Mbit/s

95th percentile per-packet one-way delay: 86.753 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 09:02:55

End at: 2018-04-24 09:03:25

Below is generated by plot.py at 2018-04-24 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.81 Mbit/s

95th percentile per-packet one-way delay: 86.890 ms

Loss rate: 0.00%

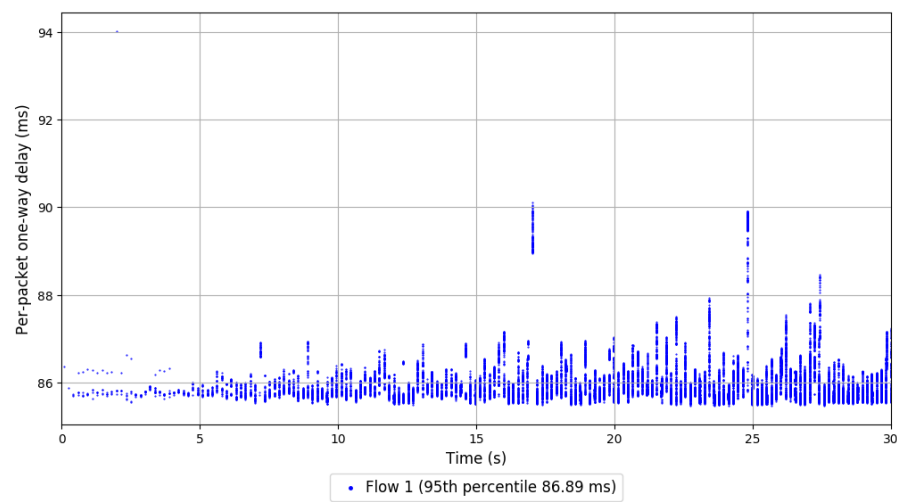
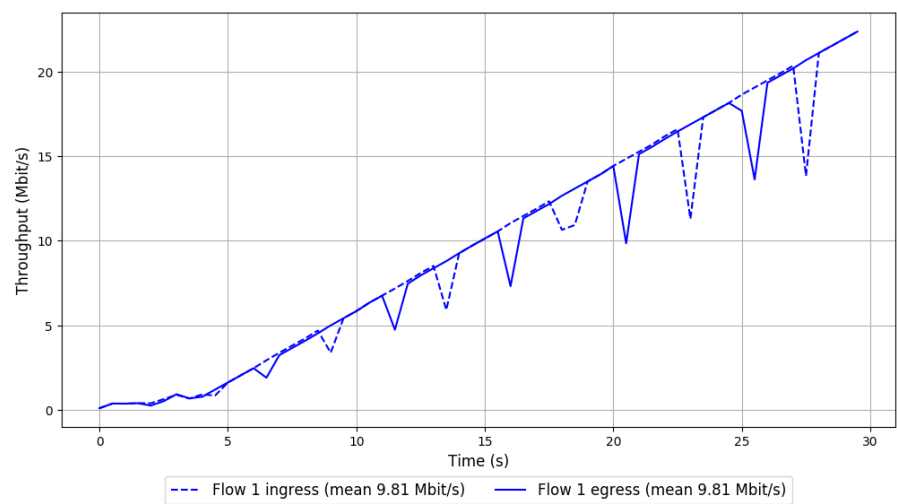
-- Flow 1:

Average throughput: 9.81 Mbit/s

95th percentile per-packet one-way delay: 86.890 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-24 09:16:37

End at: 2018-04-24 09:17:07

Below is generated by plot.py at 2018-04-24 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 86.571 ms

Loss rate: 0.00%

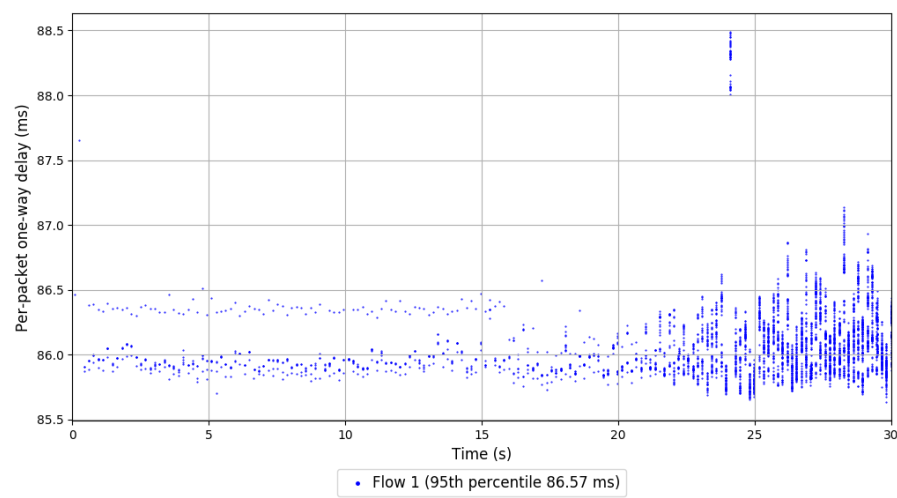
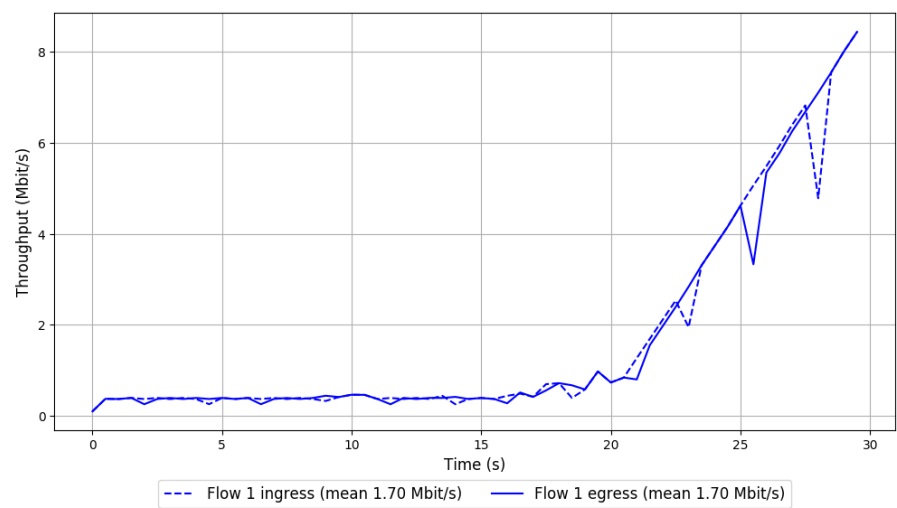
-- Flow 1:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 86.571 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 09:30:11

End at: 2018-04-24 09:30:41

Below is generated by plot.py at 2018-04-24 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.14 Mbit/s

95th percentile per-packet one-way delay: 86.880 ms

Loss rate: 0.00%

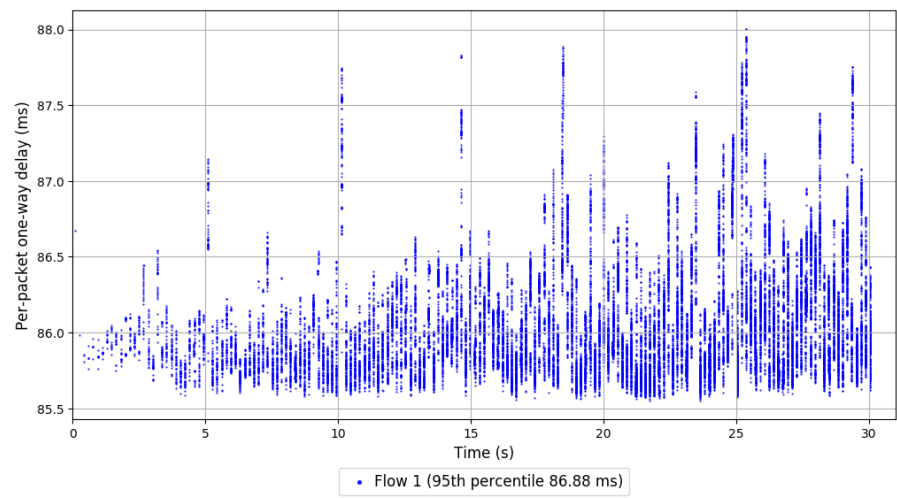
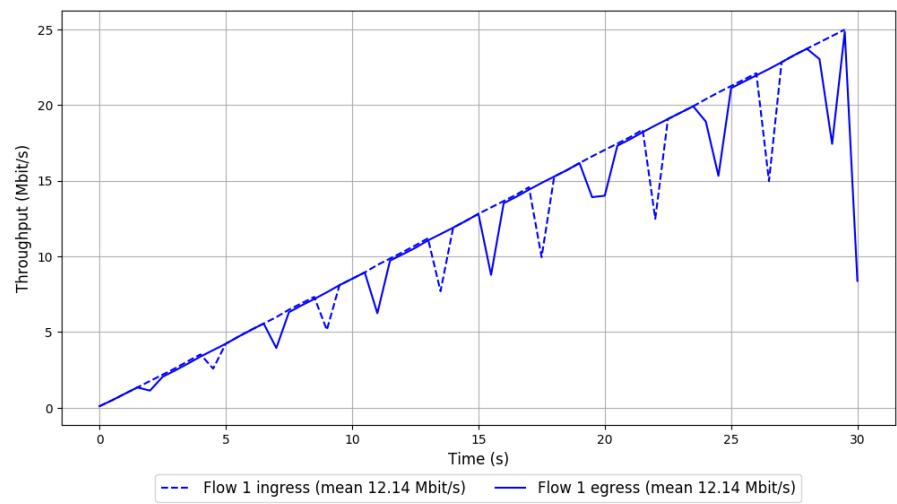
-- Flow 1:

Average throughput: 12.14 Mbit/s

95th percentile per-packet one-way delay: 86.880 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

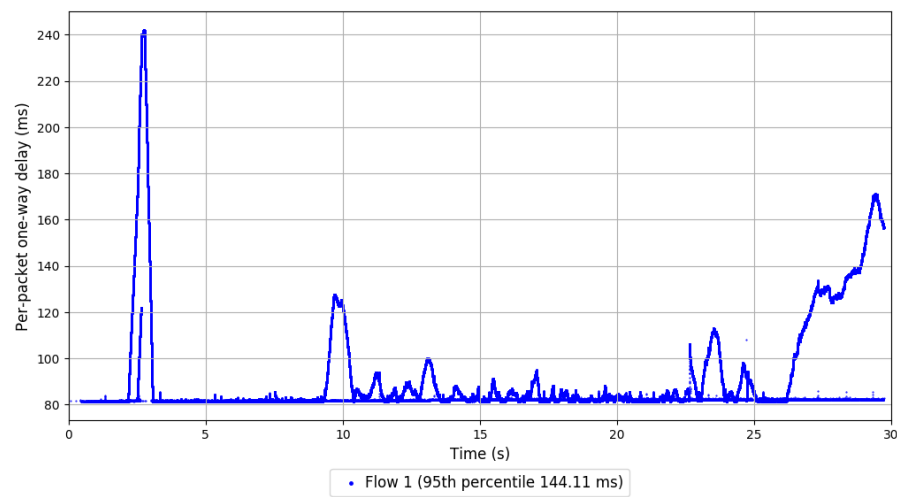
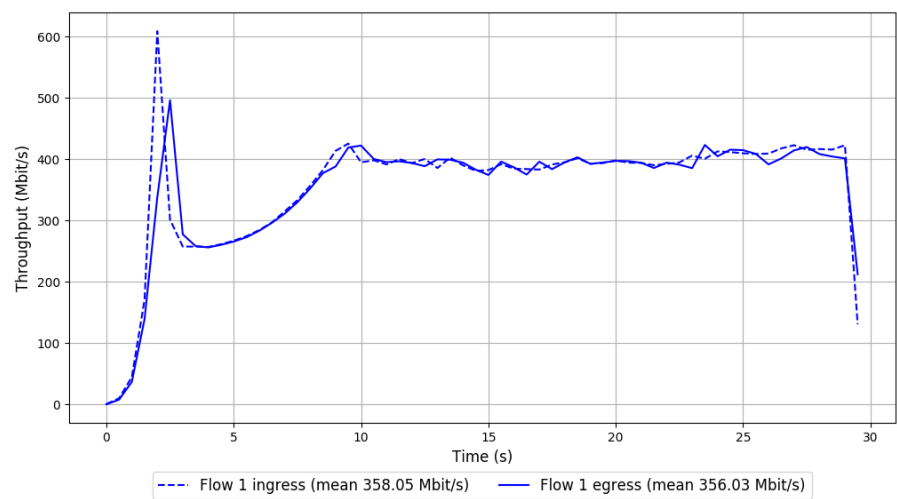


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 07:22:49
End at: 2018-04-24 07:23:19

# Below is generated by plot.py at 2018-04-24 11:00:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.03 Mbit/s
95th percentile per-packet one-way delay: 144.110 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 356.03 Mbit/s
95th percentile per-packet one-way delay: 144.110 ms
Loss rate: 0.56%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 07:36:19

End at: 2018-04-24 07:36:49

Below is generated by plot.py at 2018-04-24 11:00:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.52 Mbit/s

95th percentile per-packet one-way delay: 151.201 ms

Loss rate: 0.10%

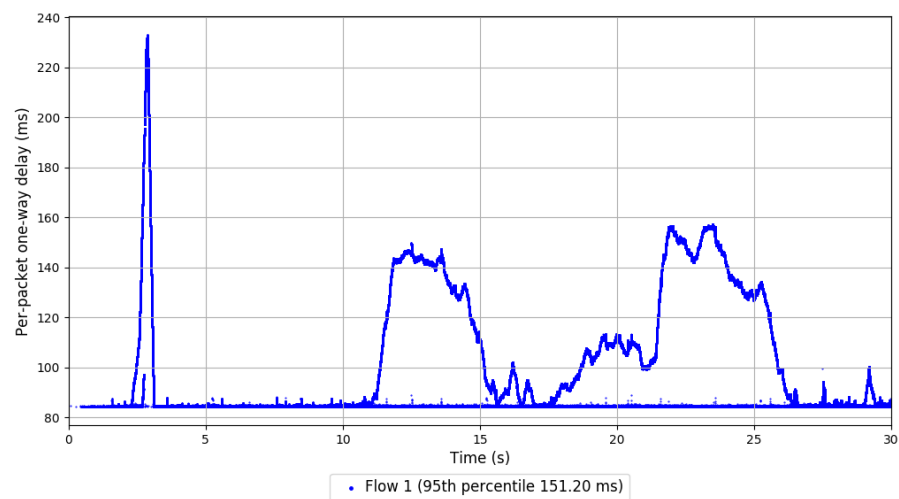
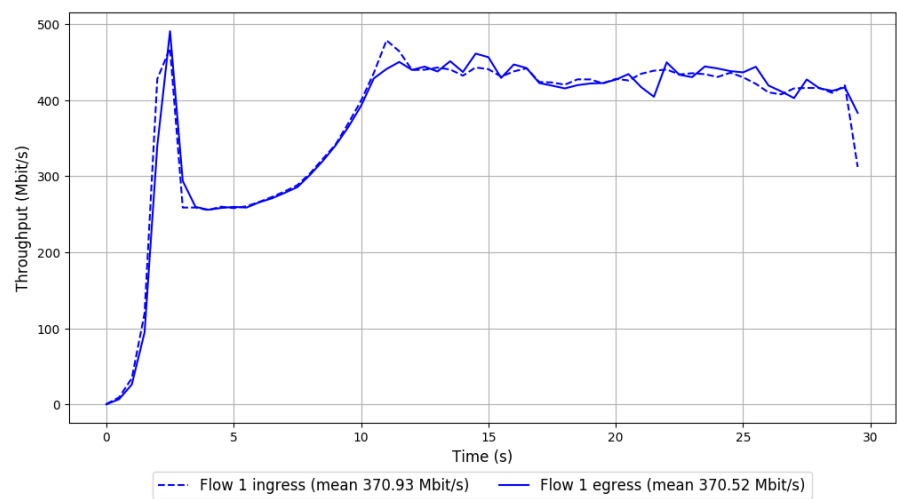
-- Flow 1:

Average throughput: 370.52 Mbit/s

95th percentile per-packet one-way delay: 151.201 ms

Loss rate: 0.10%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 07:49:56

End at: 2018-04-24 07:50:26

Below is generated by plot.py at 2018-04-24 11:00:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.54 Mbit/s

95th percentile per-packet one-way delay: 123.025 ms

Loss rate: 0.09%

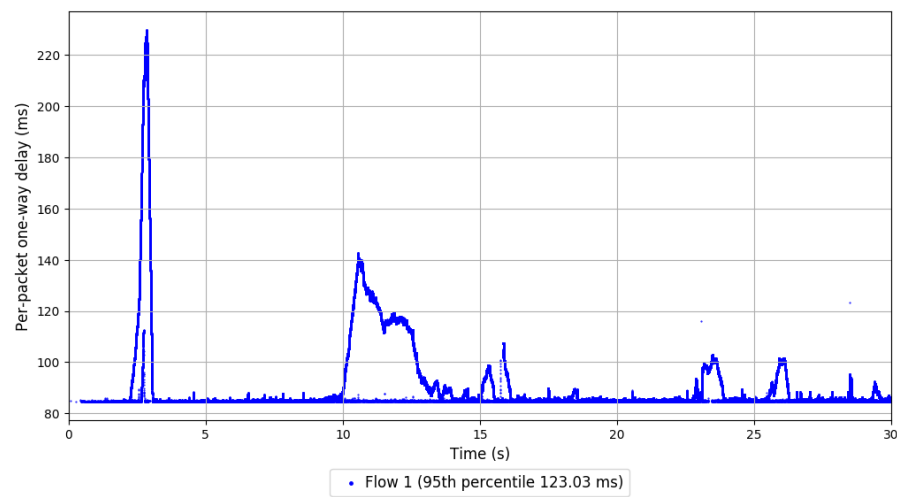
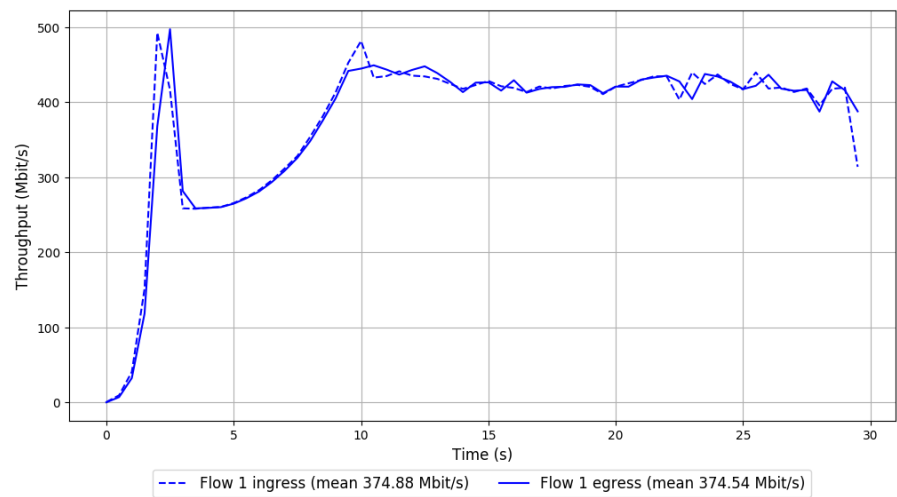
-- Flow 1:

Average throughput: 374.54 Mbit/s

95th percentile per-packet one-way delay: 123.025 ms

Loss rate: 0.09%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 08:03:24

End at: 2018-04-24 08:03:54

Below is generated by plot.py at 2018-04-24 11:00:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.40 Mbit/s

95th percentile per-packet one-way delay: 115.677 ms

Loss rate: 0.07%

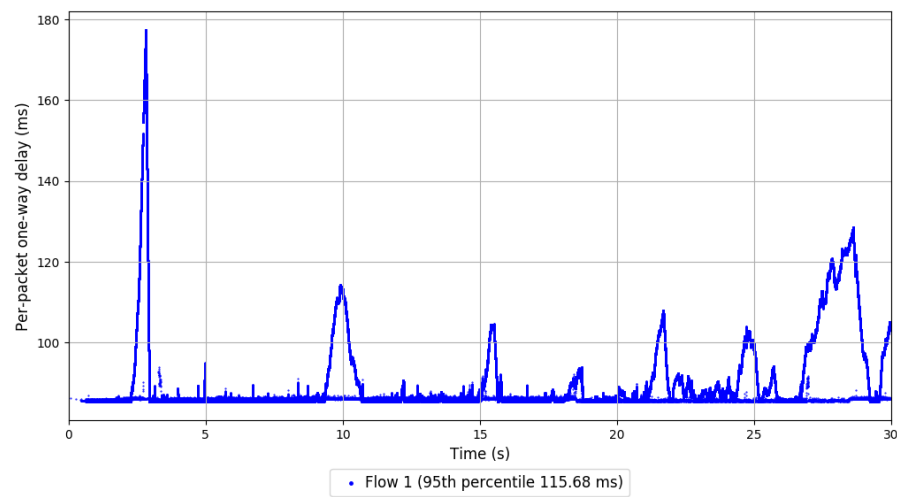
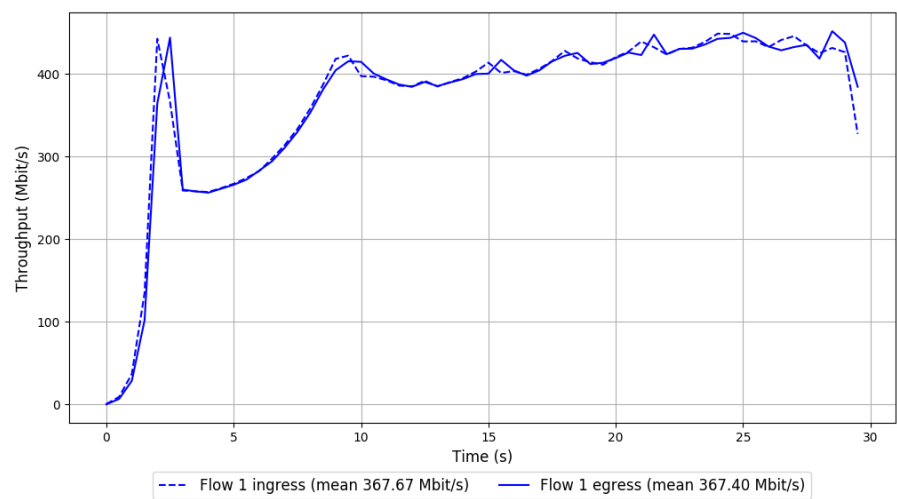
-- Flow 1:

Average throughput: 367.40 Mbit/s

95th percentile per-packet one-way delay: 115.677 ms

Loss rate: 0.07%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 08:16:48

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

Below is generated by plot.py at 2018-04-24 11:00:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.79 Mbit/s

95th percentile per-packet one-way delay: 94.461 ms

Loss rate: 0.19%

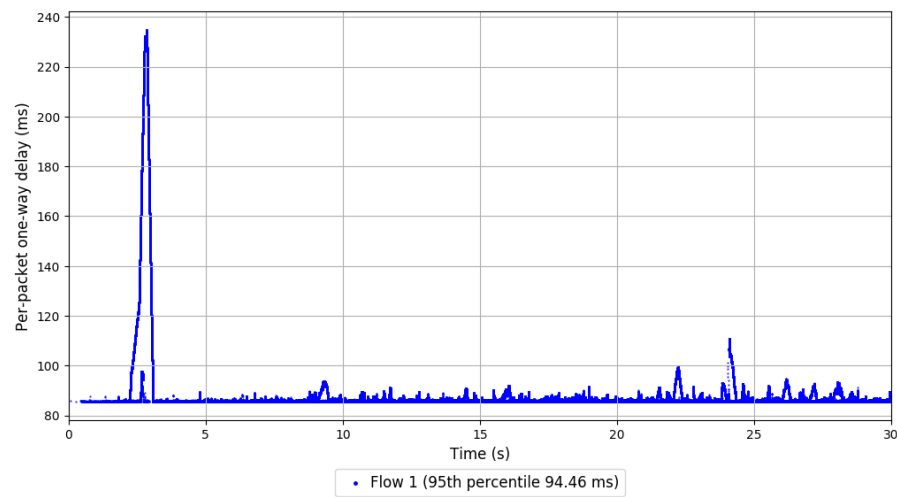
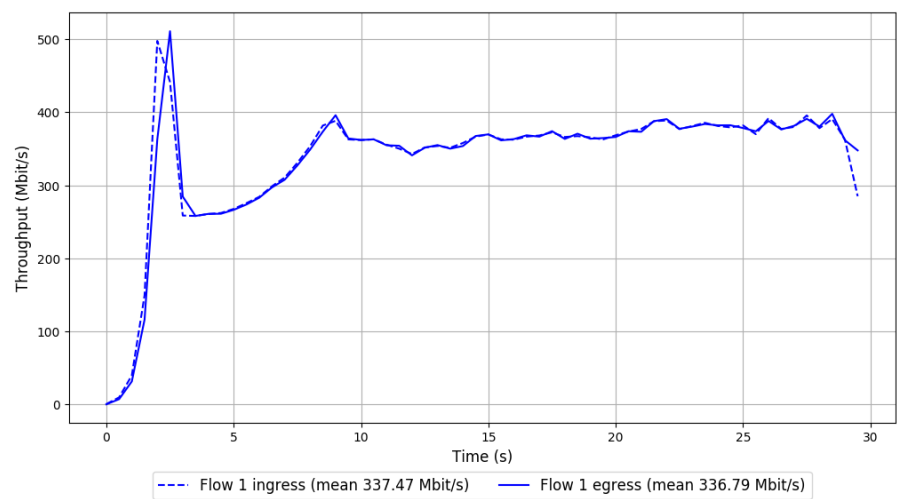
-- Flow 1:

Average throughput: 336.79 Mbit/s

95th percentile per-packet one-way delay: 94.461 ms

Loss rate: 0.19%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 08:30:28

End at: 2018-04-24 08:30:58

Below is generated by plot.py at 2018-04-24 11:00:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.30 Mbit/s

95th percentile per-packet one-way delay: 124.001 ms

Loss rate: 0.14%

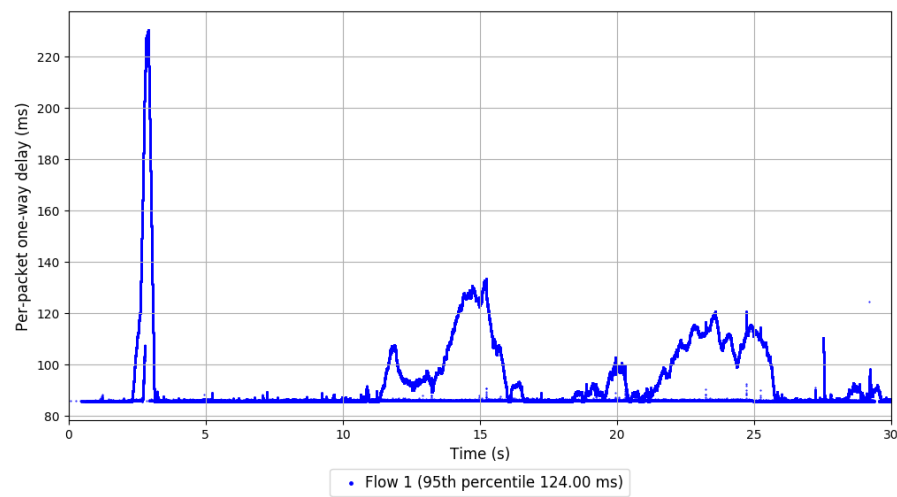
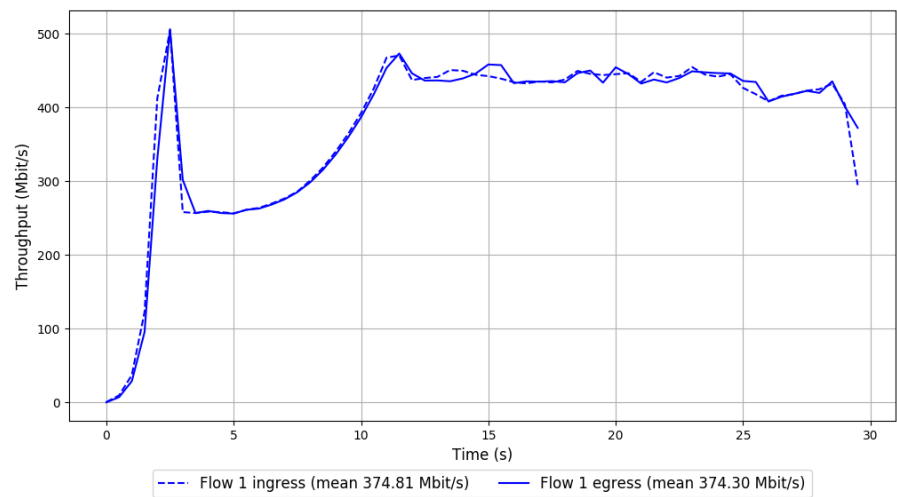
-- Flow 1:

Average throughput: 374.30 Mbit/s

95th percentile per-packet one-way delay: 124.001 ms

Loss rate: 0.14%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 08:43:41

End at: 2018-04-24 08:44:11

Below is generated by plot.py at 2018-04-24 11:00:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.81 Mbit/s

95th percentile per-packet one-way delay: 113.617 ms

Loss rate: 0.09%

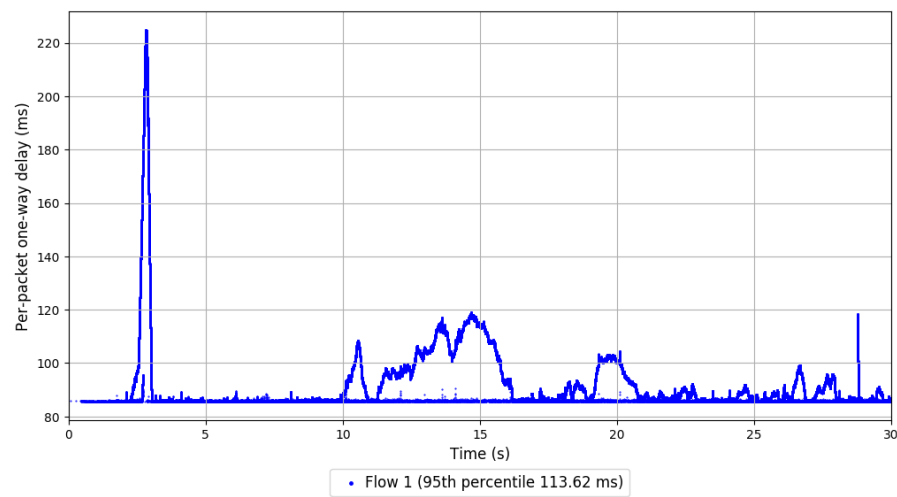
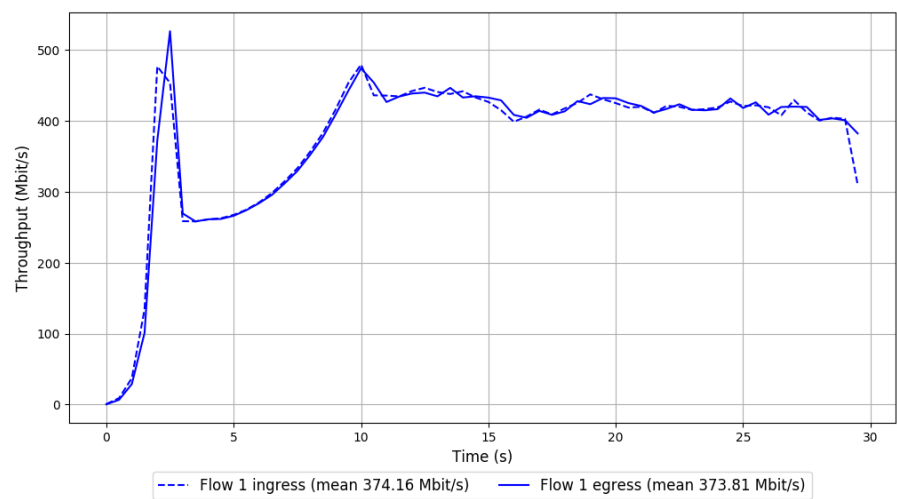
-- Flow 1:

Average throughput: 373.81 Mbit/s

95th percentile per-packet one-way delay: 113.617 ms

Loss rate: 0.09%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 08:57:18

End at: 2018-04-24 08:57:48

Below is generated by plot.py at 2018-04-24 11:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.00 Mbit/s

95th percentile per-packet one-way delay: 125.567 ms

Loss rate: 0.13%

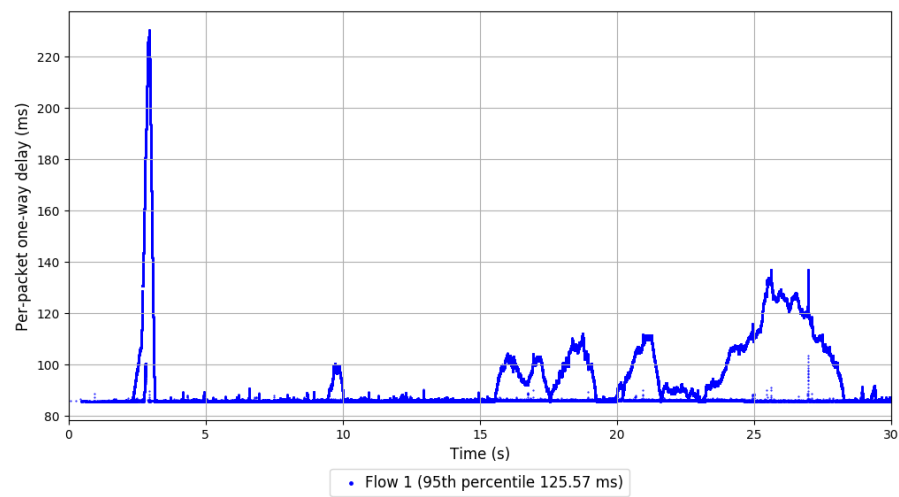
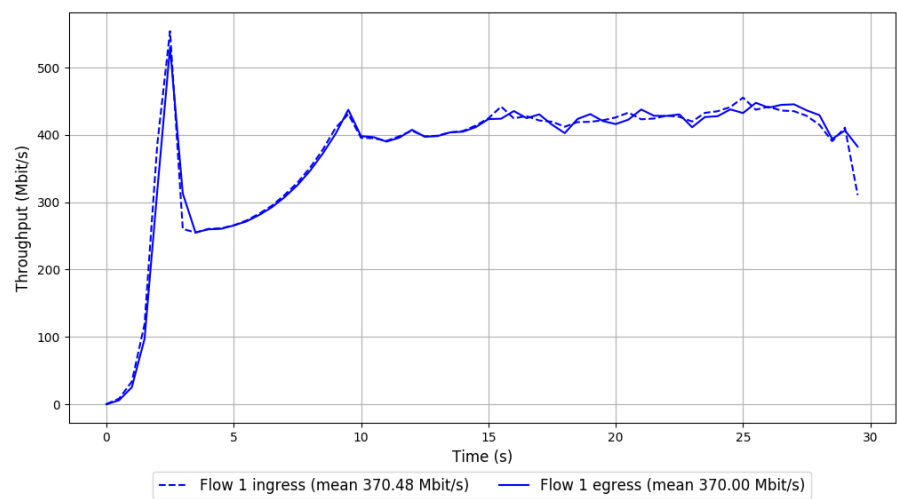
-- Flow 1:

Average throughput: 370.00 Mbit/s

95th percentile per-packet one-way delay: 125.567 ms

Loss rate: 0.13%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 09:10:31

End at: 2018-04-24 09:11:01

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.55 Mbit/s

95th percentile per-packet one-way delay: 104.283 ms

Loss rate: 0.24%

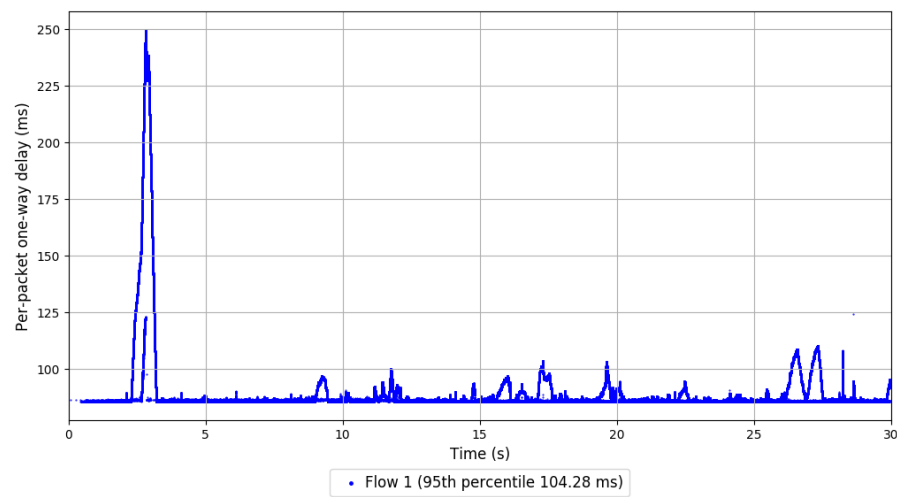
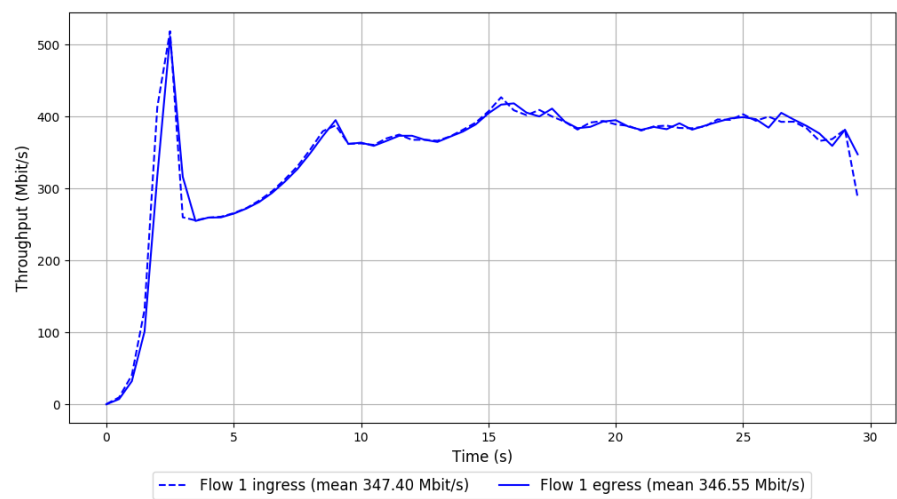
-- Flow 1:

Average throughput: 346.55 Mbit/s

95th percentile per-packet one-way delay: 104.283 ms

Loss rate: 0.24%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 09:24:12

End at: 2018-04-24 09:24:42

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.56 Mbit/s

95th percentile per-packet one-way delay: 138.397 ms

Loss rate: 0.27%

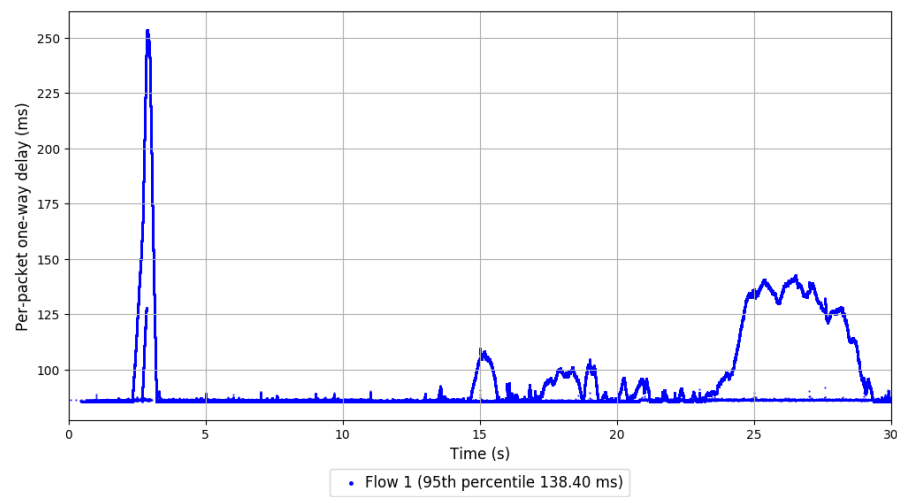
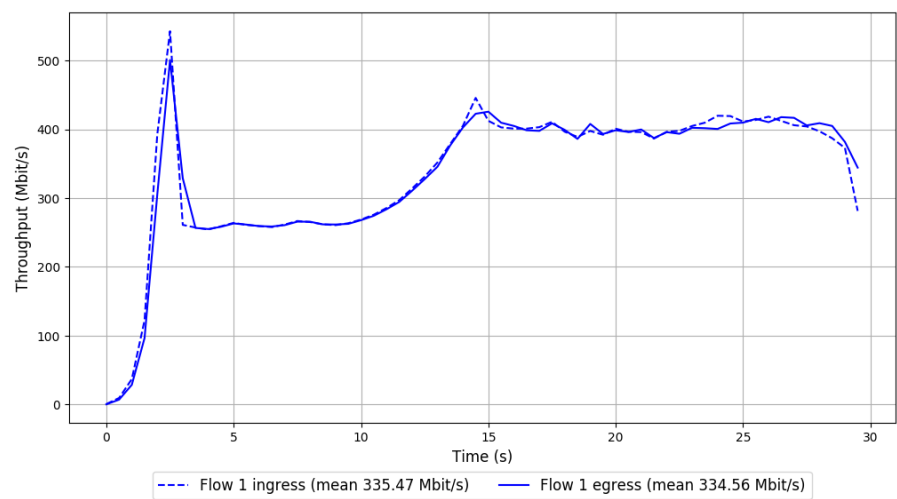
-- Flow 1:

Average throughput: 334.56 Mbit/s

95th percentile per-packet one-way delay: 138.397 ms

Loss rate: 0.27%

Run 10: Report of PCC-Allegro — Data Link

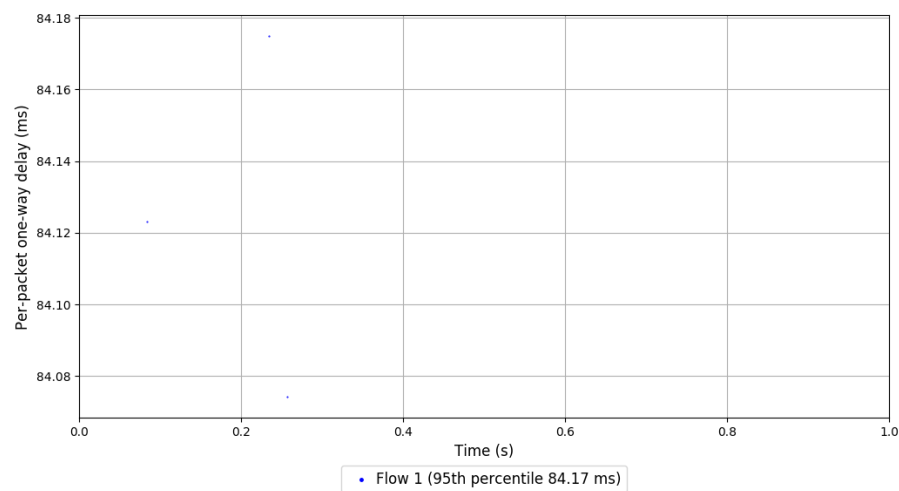
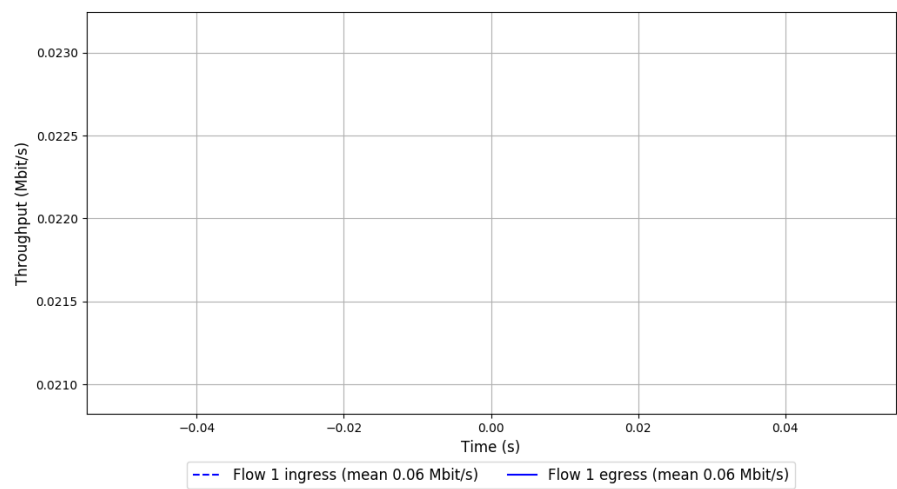


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 07:31:19

End at: 2018-04-24 07:31:49

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 07:44:52

End at: 2018-04-24 07:45:22

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.82 Mbit/s

95th percentile per-packet one-way delay: 84.994 ms

Loss rate: 0.00%

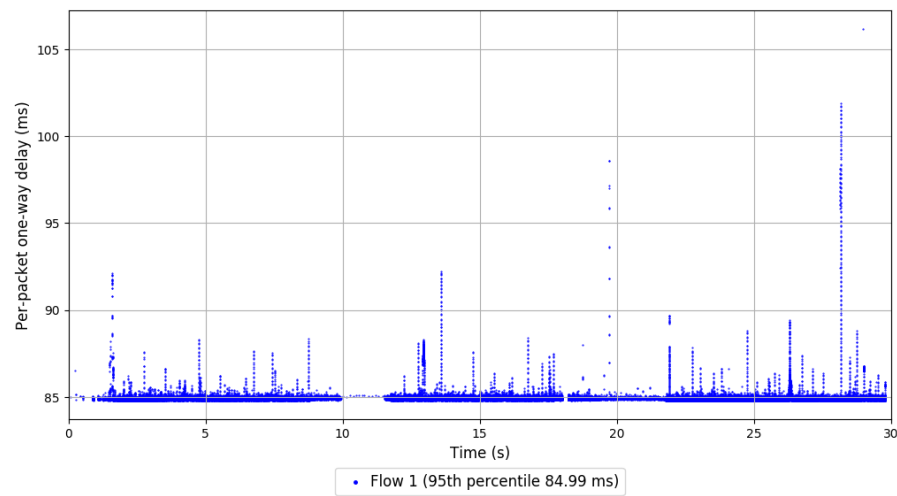
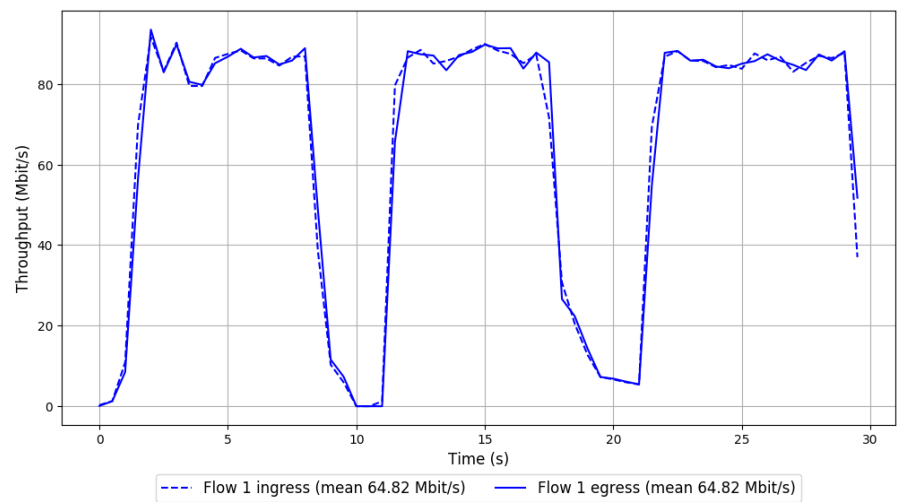
-- Flow 1:

Average throughput: 64.82 Mbit/s

95th percentile per-packet one-way delay: 84.994 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 07:58:19

End at: 2018-04-24 07:58:49

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.71 Mbit/s

95th percentile per-packet one-way delay: 85.461 ms

Loss rate: 0.00%

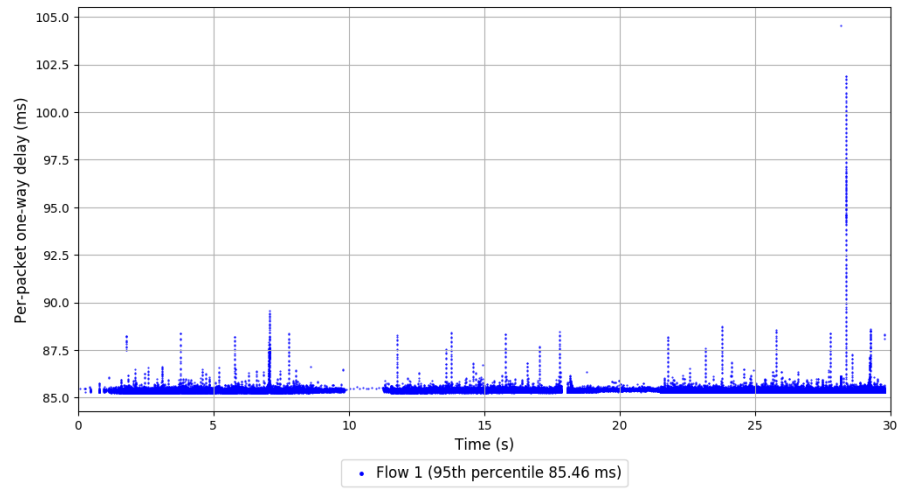
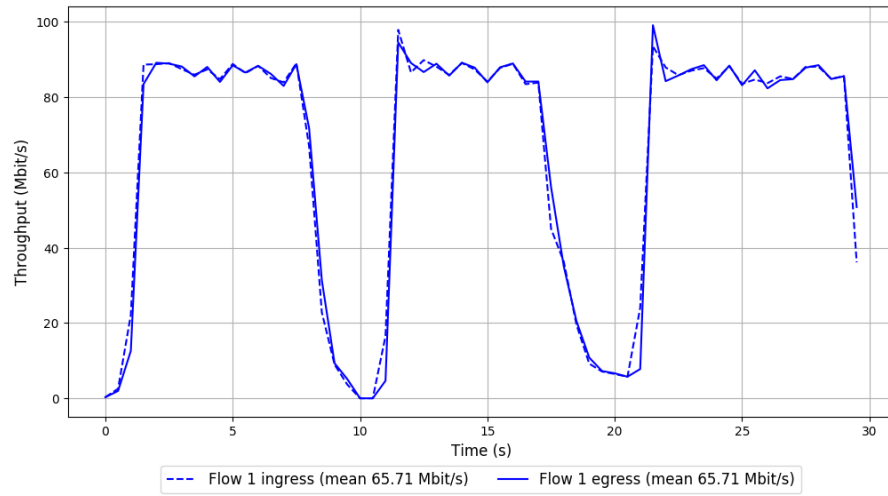
-- Flow 1:

Average throughput: 65.71 Mbit/s

95th percentile per-packet one-way delay: 85.461 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 08:11:44

End at: 2018-04-24 08:12:14

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.26 Mbit/s

95th percentile per-packet one-way delay: 85.690 ms

Loss rate: 0.00%

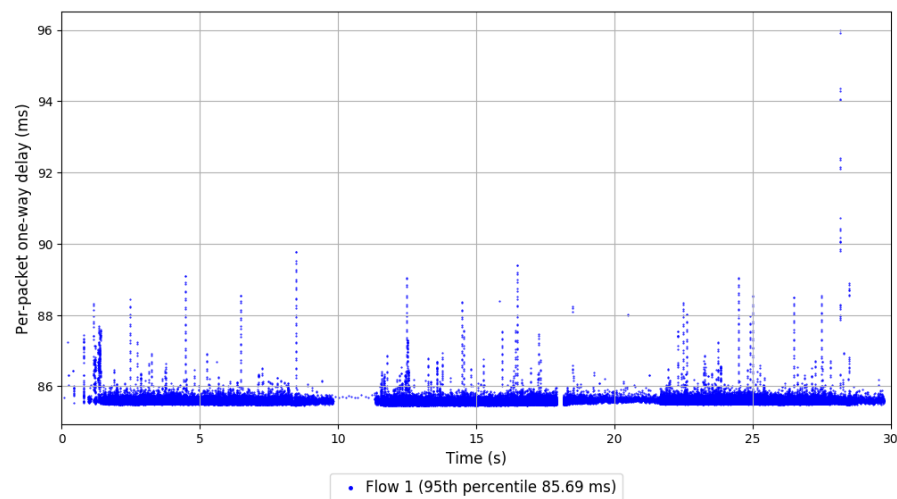
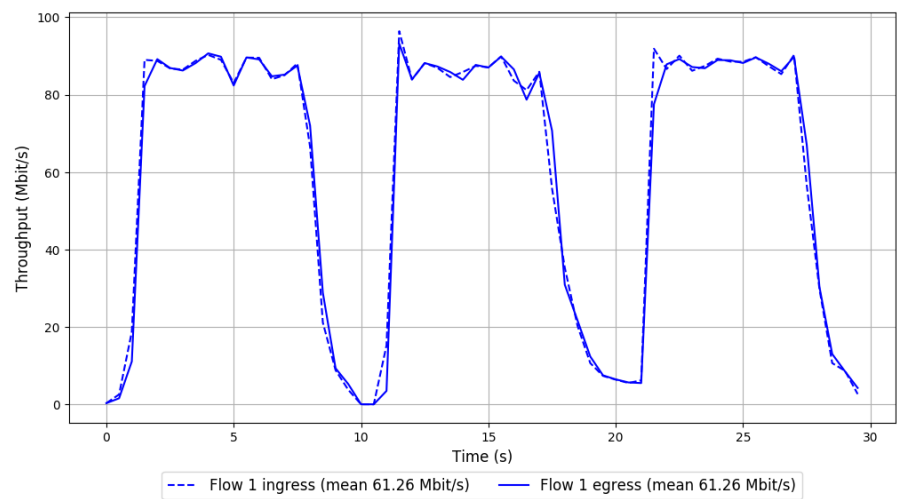
-- Flow 1:

Average throughput: 61.26 Mbit/s

95th percentile per-packet one-way delay: 85.690 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 08:25:24

End at: 2018-04-24 08:25:54

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 86.169 ms

Loss rate: 0.00%

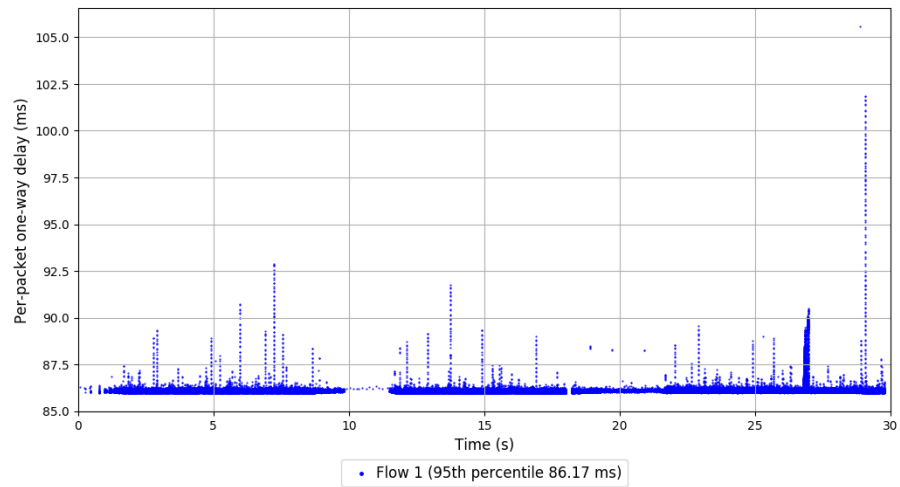
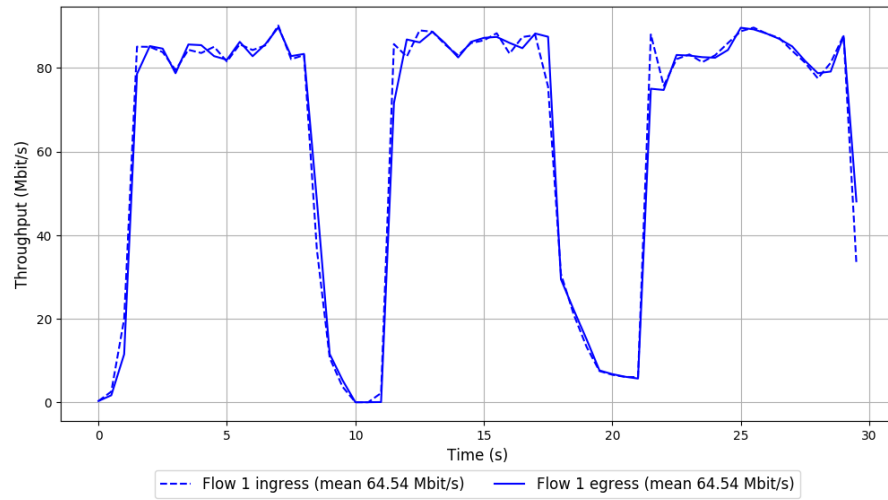
-- Flow 1:

Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 86.169 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 08:38:35

End at: 2018-04-24 08:39:05

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.59 Mbit/s

95th percentile per-packet one-way delay: 86.305 ms

Loss rate: 0.00%

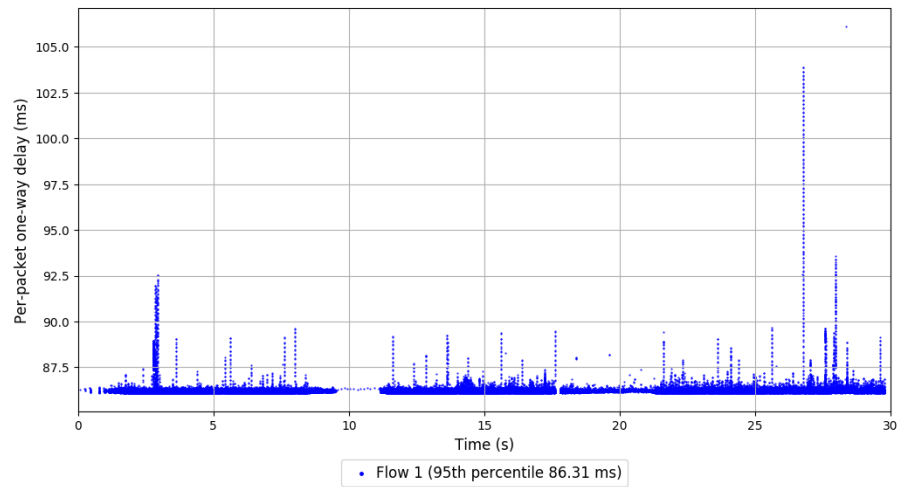
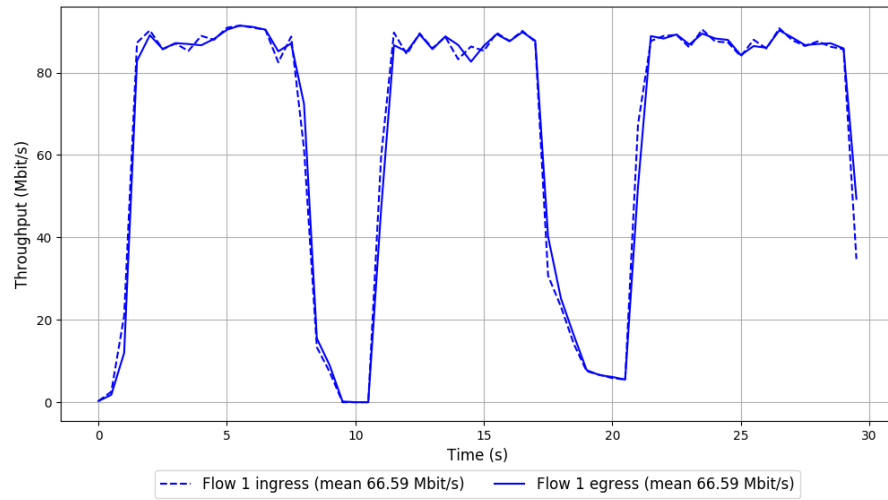
-- Flow 1:

Average throughput: 66.59 Mbit/s

95th percentile per-packet one-way delay: 86.305 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 08:52:13

End at: 2018-04-24 08:52:43

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.32 Mbit/s

95th percentile per-packet one-way delay: 86.168 ms

Loss rate: 0.00%

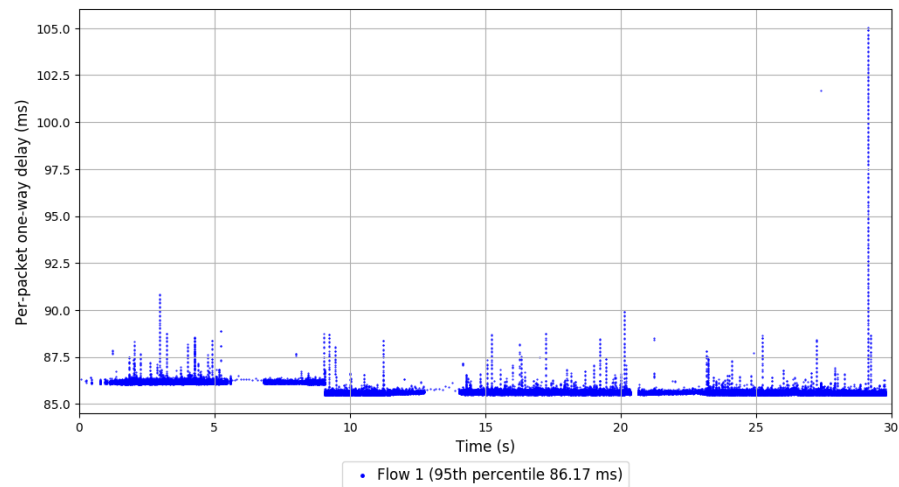
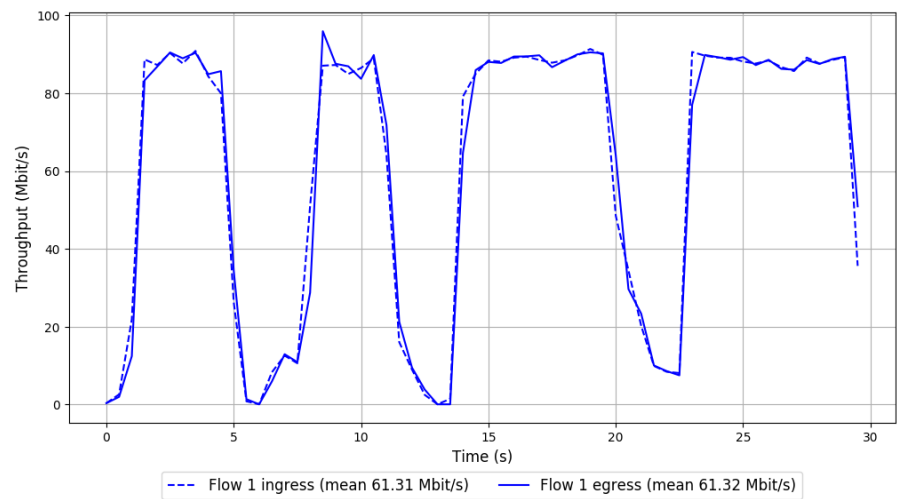
-- Flow 1:

Average throughput: 61.32 Mbit/s

95th percentile per-packet one-way delay: 86.168 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 09:05:28

End at: 2018-04-24 09:05:58

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.03 Mbit/s

95th percentile per-packet one-way delay: 85.728 ms

Loss rate: 0.00%

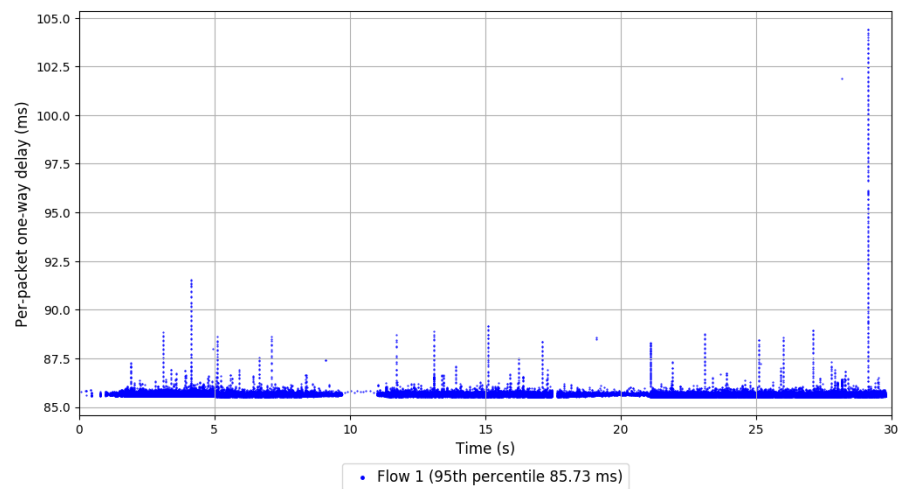
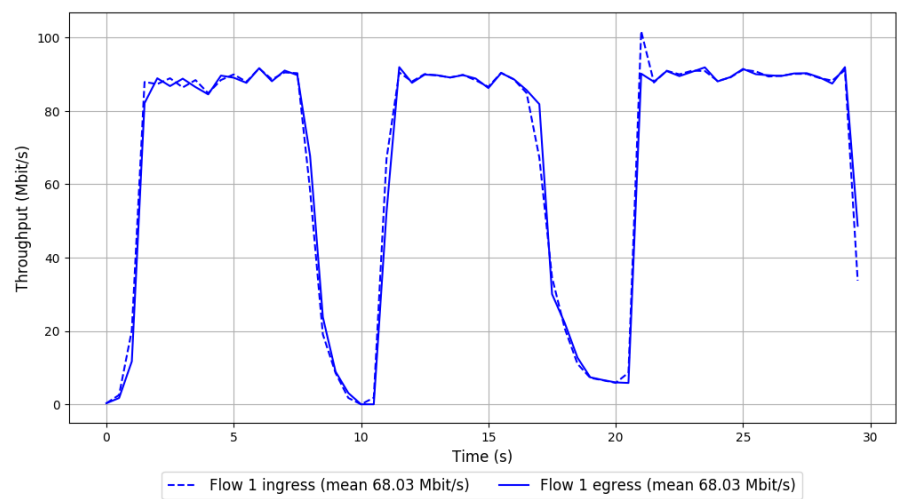
-- Flow 1:

Average throughput: 68.03 Mbit/s

95th percentile per-packet one-way delay: 85.728 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 09:19:07

End at: 2018-04-24 09:19:37

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.06 Mbit/s

95th percentile per-packet one-way delay: 86.318 ms

Loss rate: 0.00%

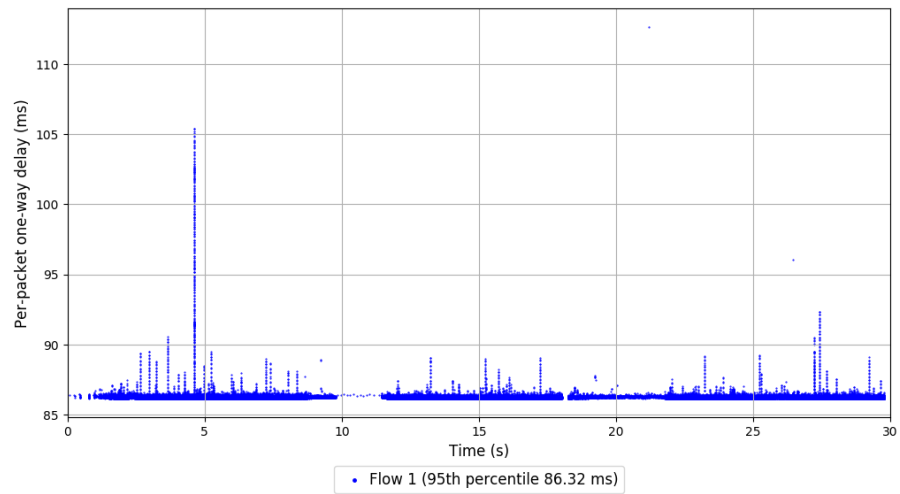
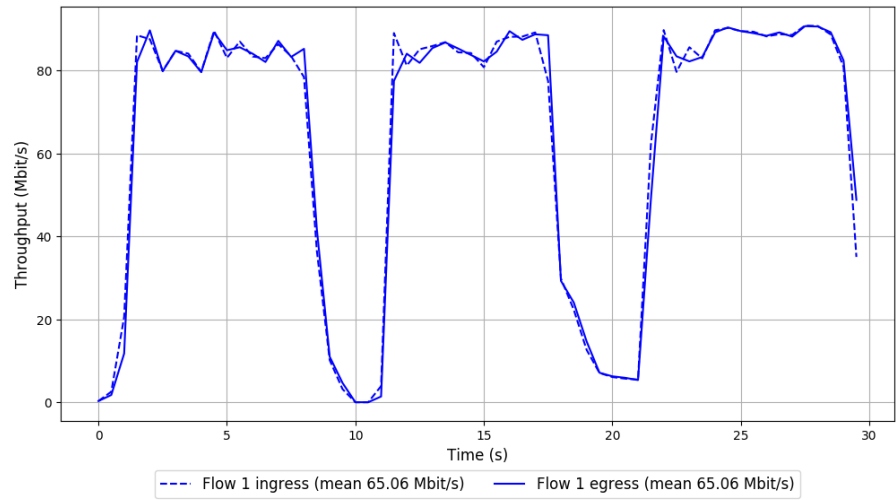
-- Flow 1:

Average throughput: 65.06 Mbit/s

95th percentile per-packet one-way delay: 86.318 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 09:32:44

End at: 2018-04-24 09:33:14

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 85.915 ms

Loss rate: 0.00%

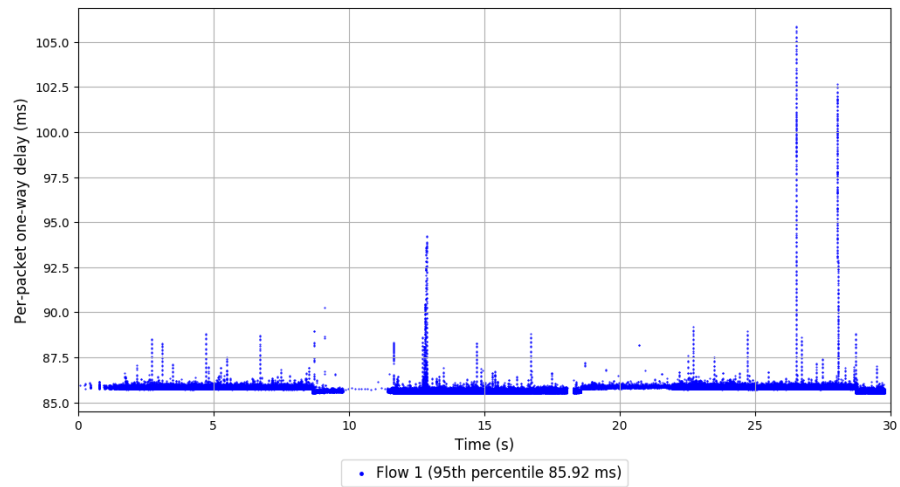
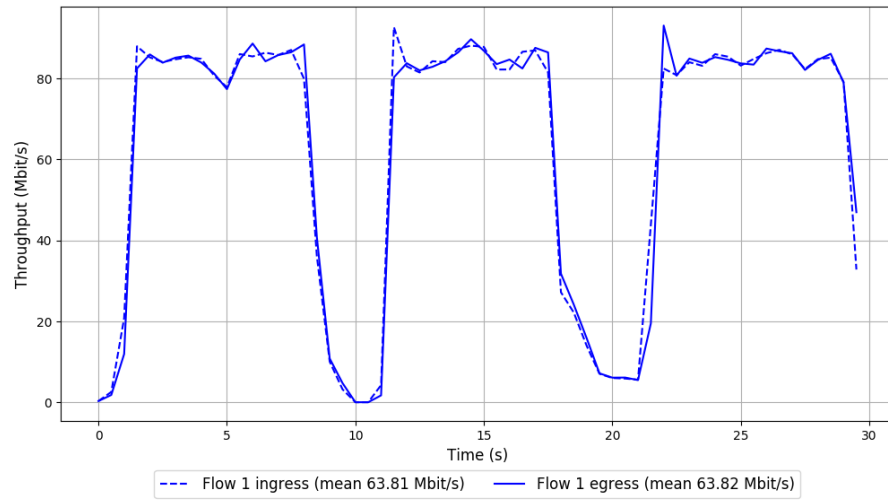
-- Flow 1:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 85.915 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

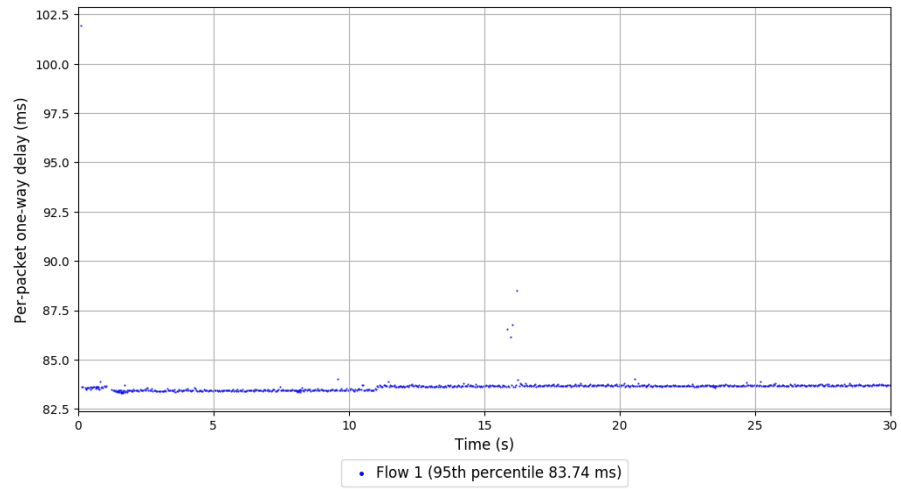
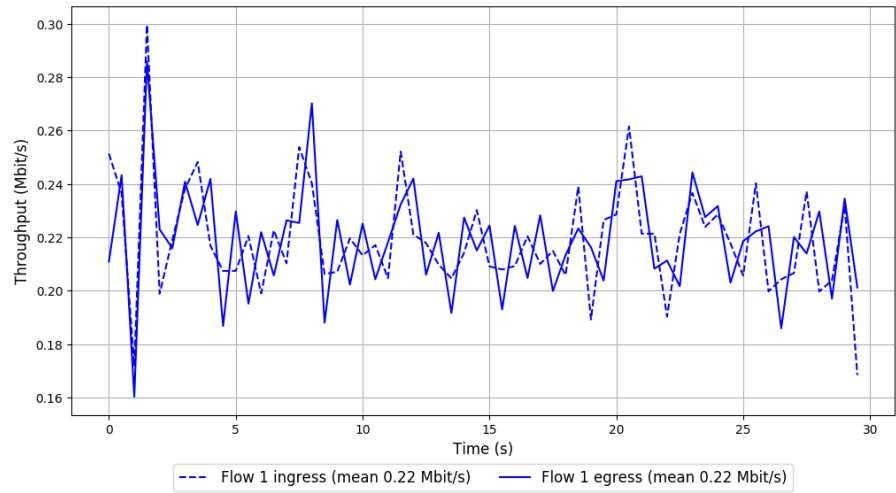


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 07:28:12
End at: 2018-04-24 07:28:42

# Below is generated by plot.py at 2018-04-24 11:05:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.739 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-24 07:41:41

End at: 2018-04-24 07:42:11

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.074 ms

Loss rate: 0.00%

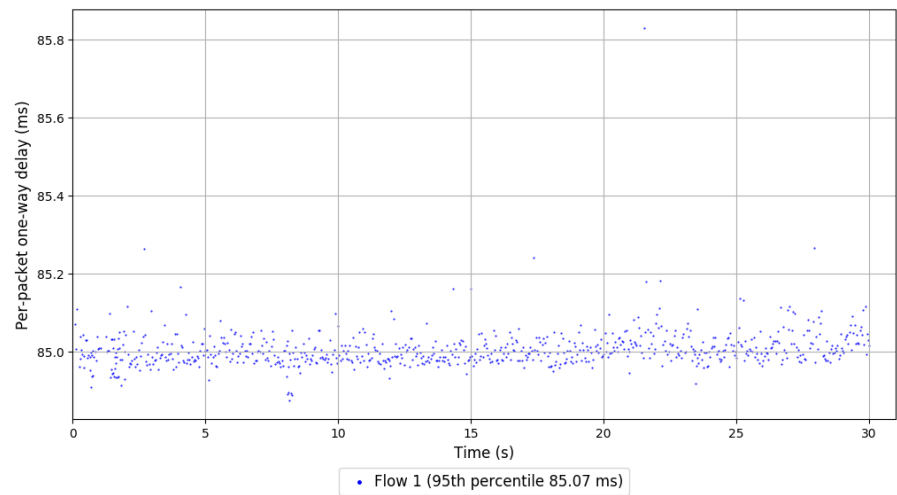
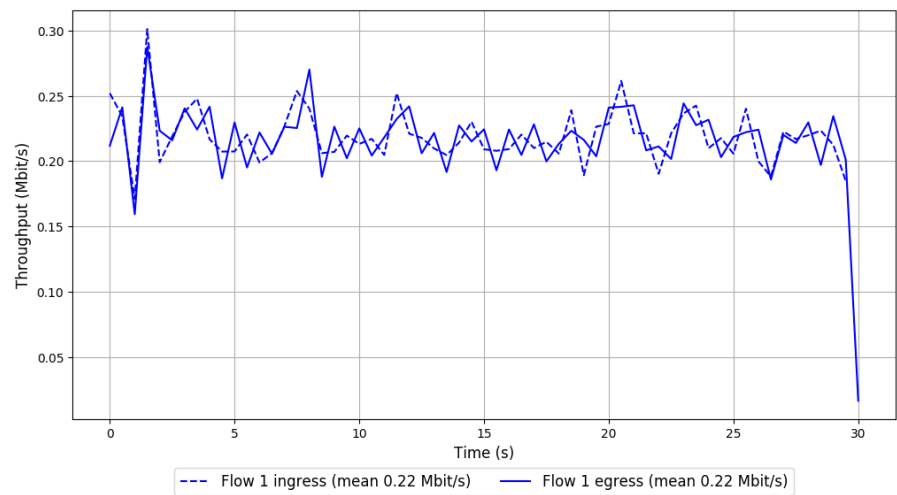
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.074 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-24 07:55:07

End at: 2018-04-24 07:55:37

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.547 ms

Loss rate: 0.00%

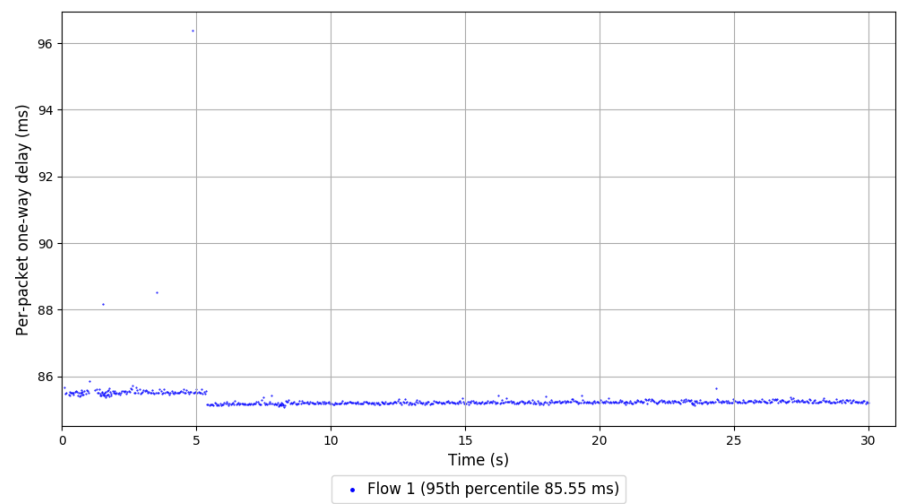
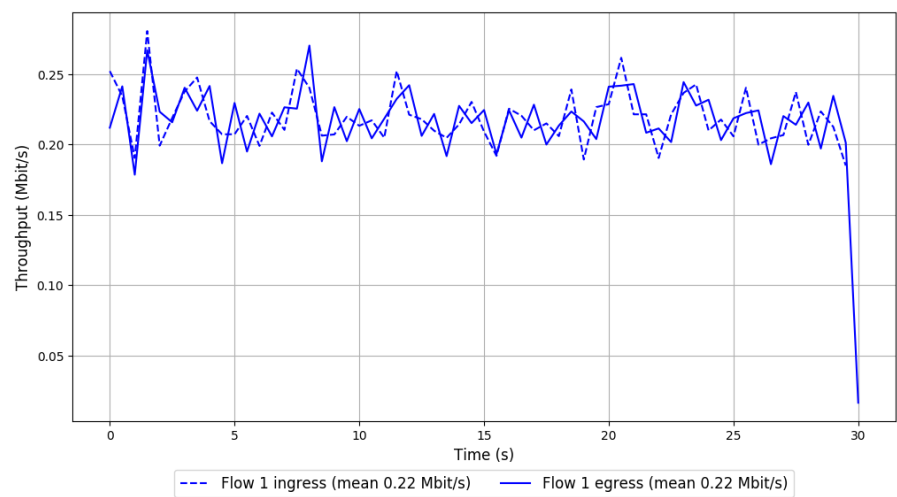
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.547 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-24 08:08:34

End at: 2018-04-24 08:09:04

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.140 ms

Loss rate: 0.00%

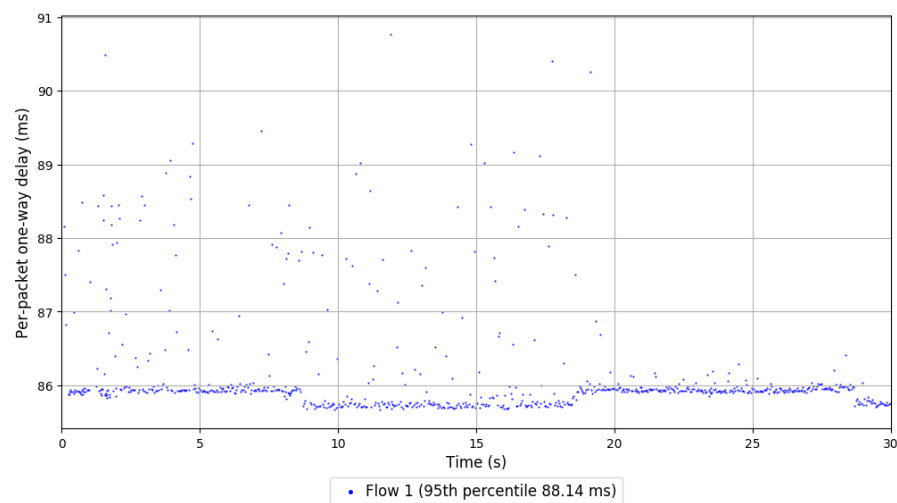
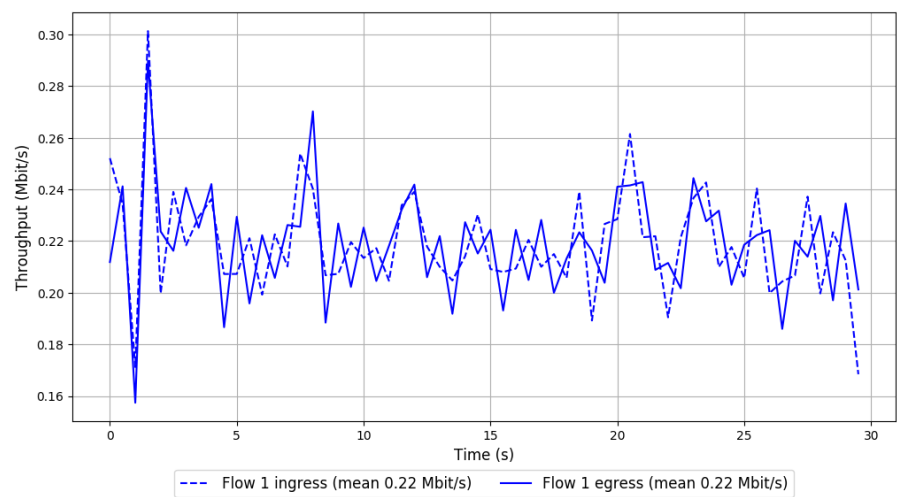
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.140 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-24 08:22:12

End at: 2018-04-24 08:22:42

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.044 ms

Loss rate: 0.00%

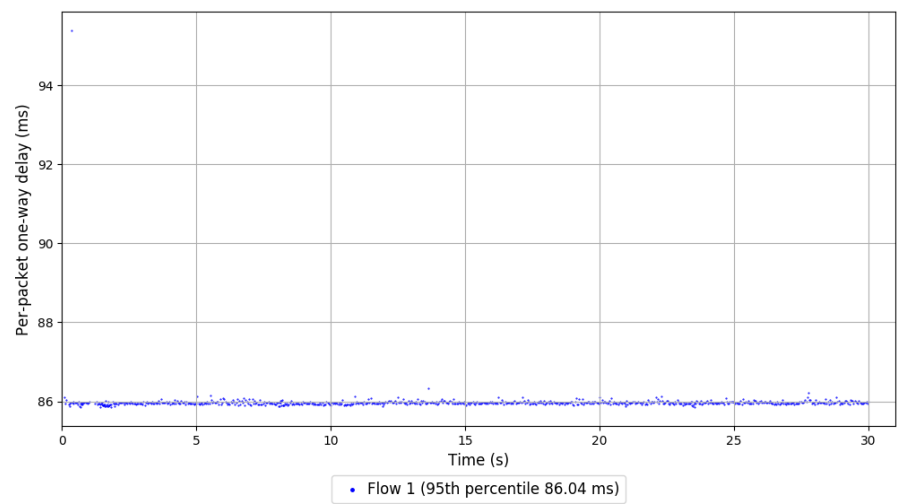
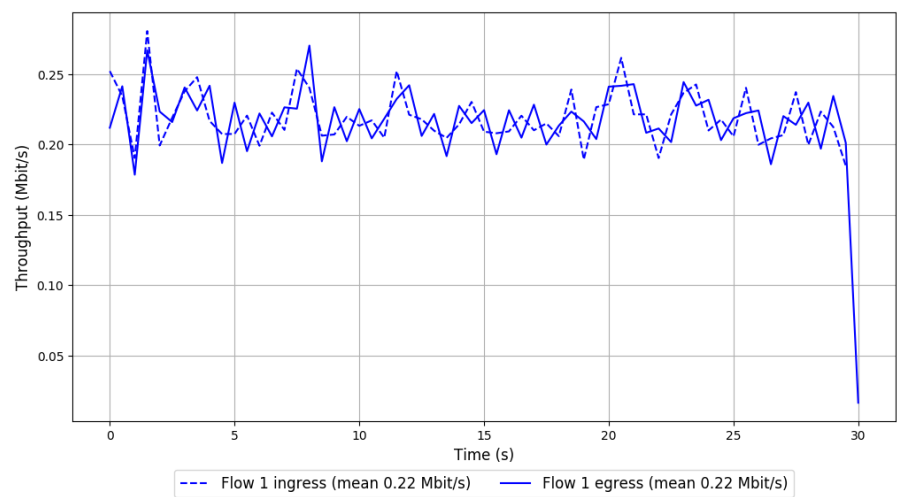
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.044 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-24 08:35:24

End at: 2018-04-24 08:35:54

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.398 ms

Loss rate: 0.00%

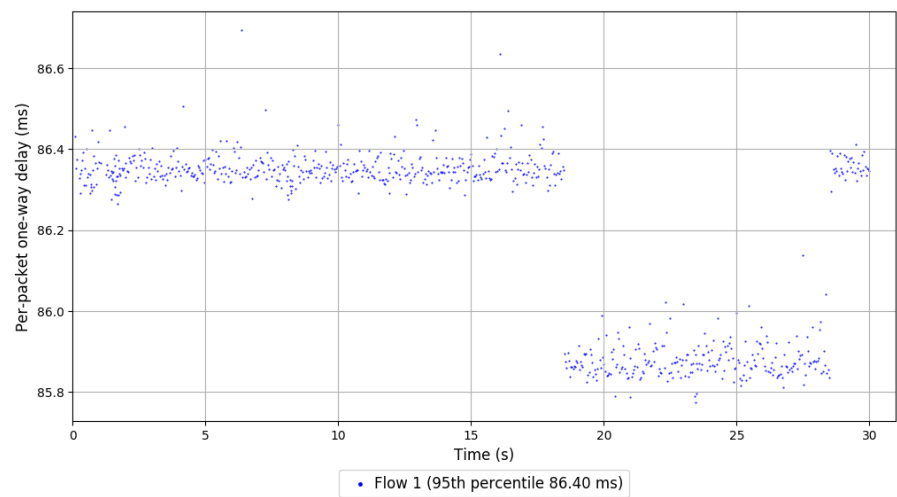
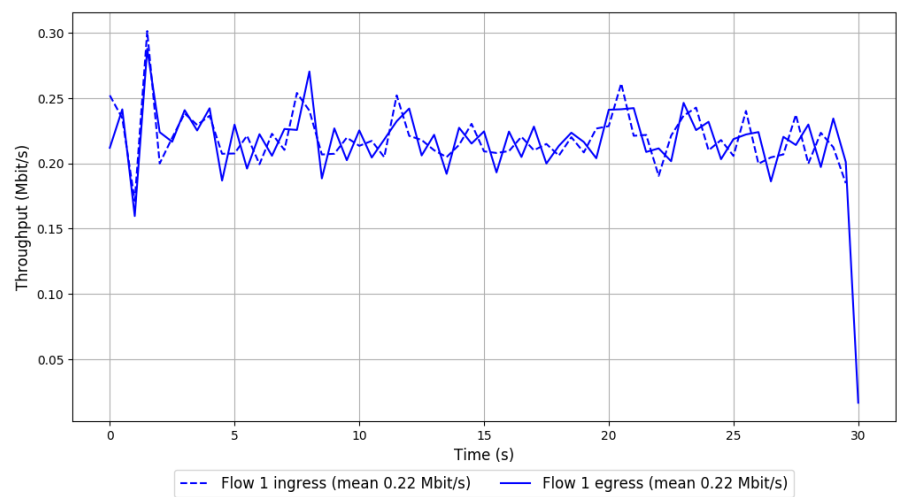
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.398 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-24 08:49:03

End at: 2018-04-24 08:49:33

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.369 ms

Loss rate: 0.00%

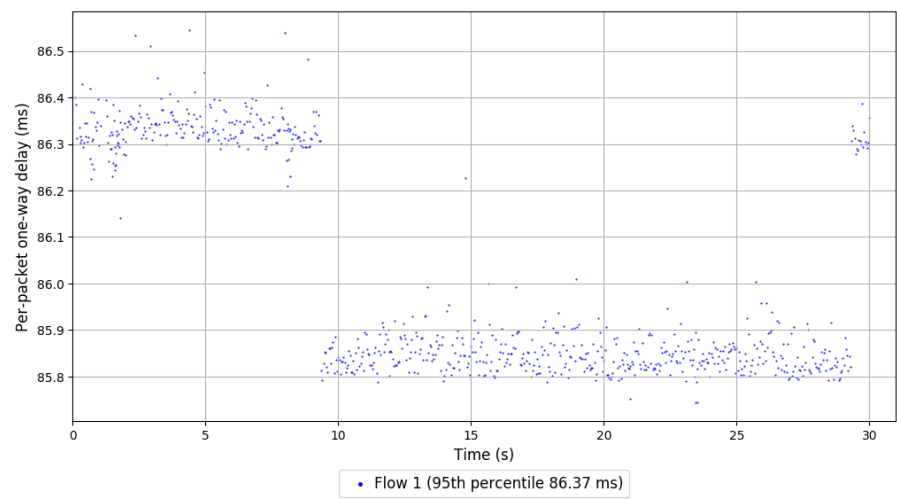
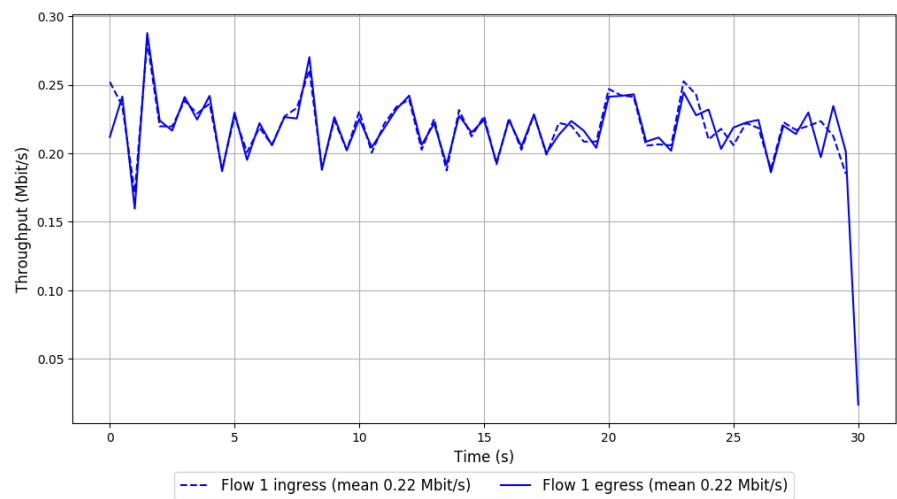
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.369 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 09:02:16

End at: 2018-04-24 09:02:46

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.970 ms

Loss rate: 0.00%

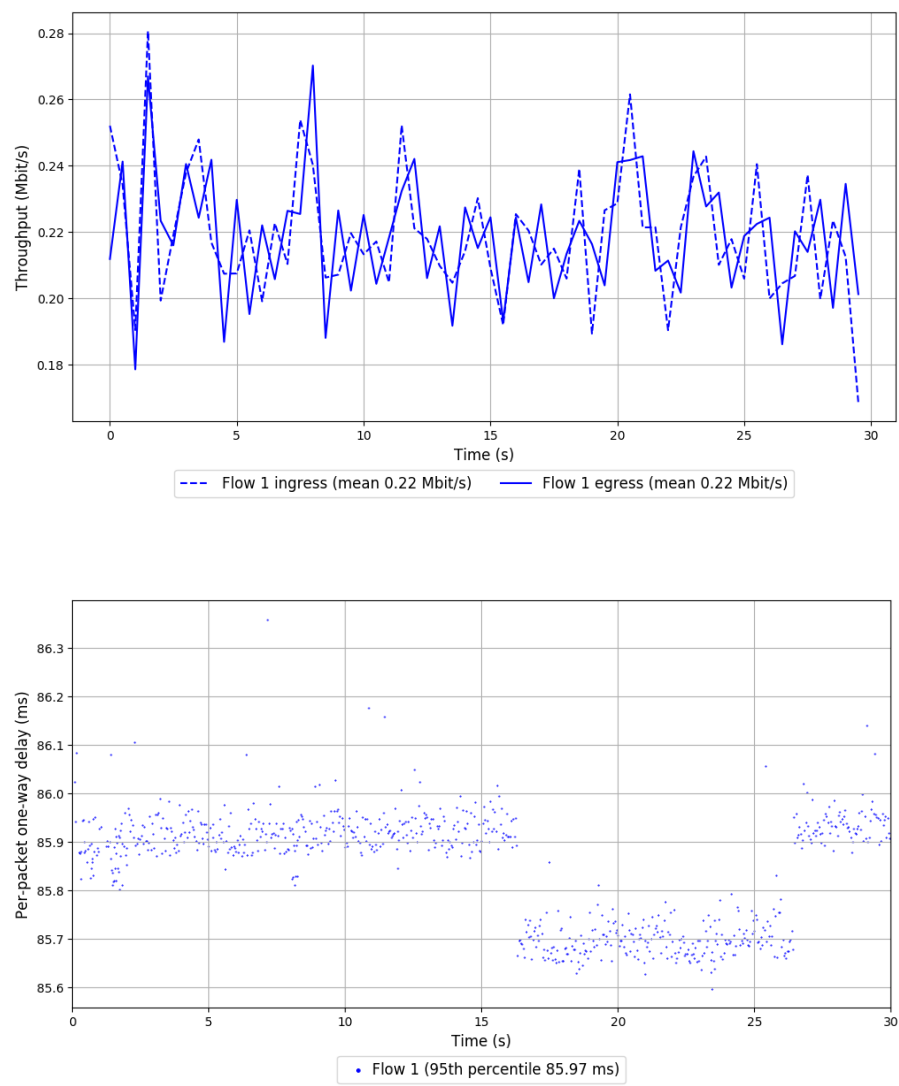
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.970 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-24 09:15:58

End at: 2018-04-24 09:16:28

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.499 ms

Loss rate: 0.00%

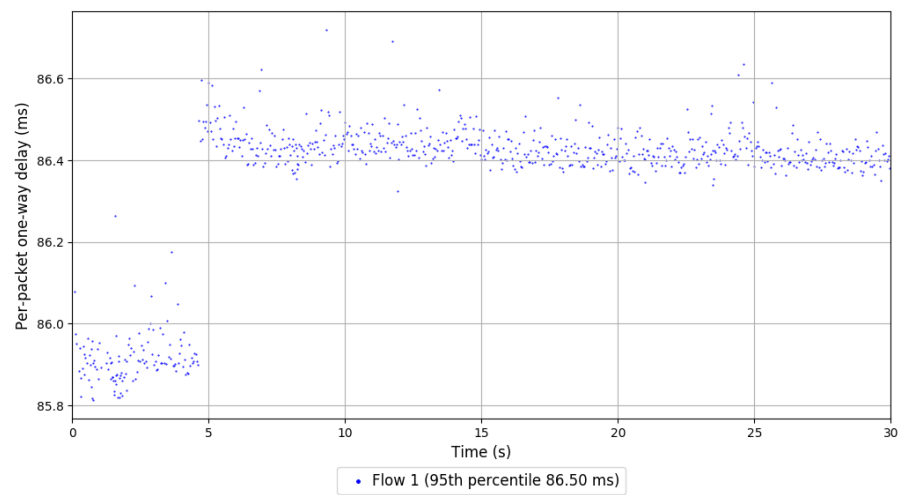
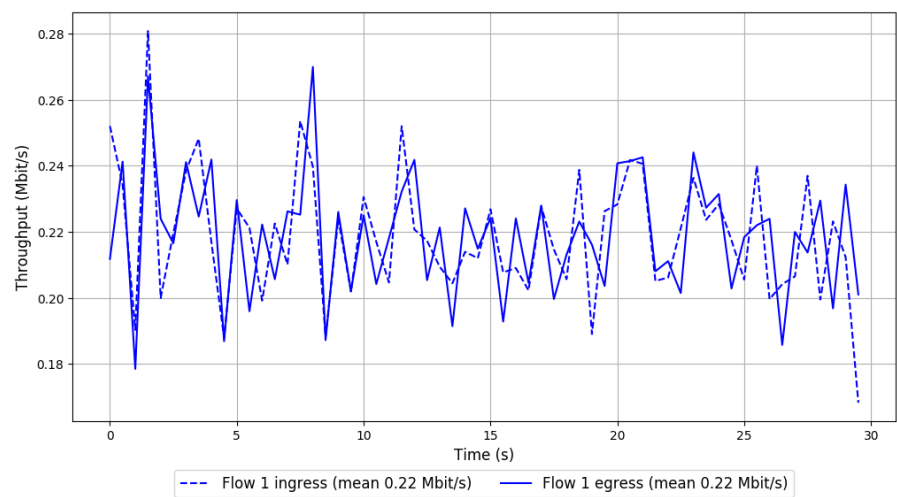
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.499 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-24 09:29:32

End at: 2018-04-24 09:30:02

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.384 ms

Loss rate: 0.00%

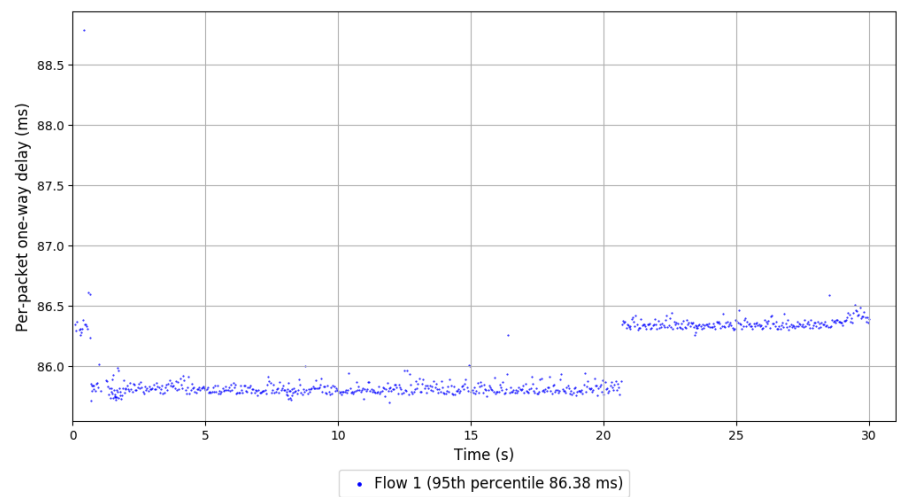
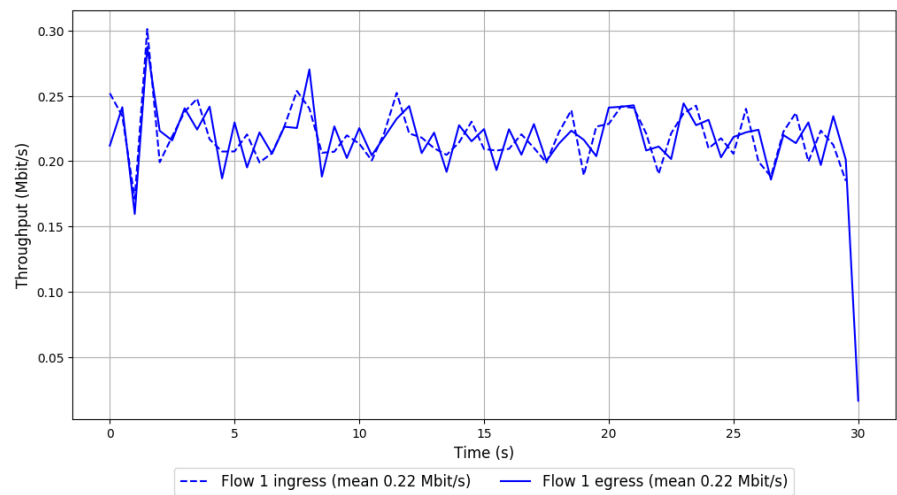
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.384 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

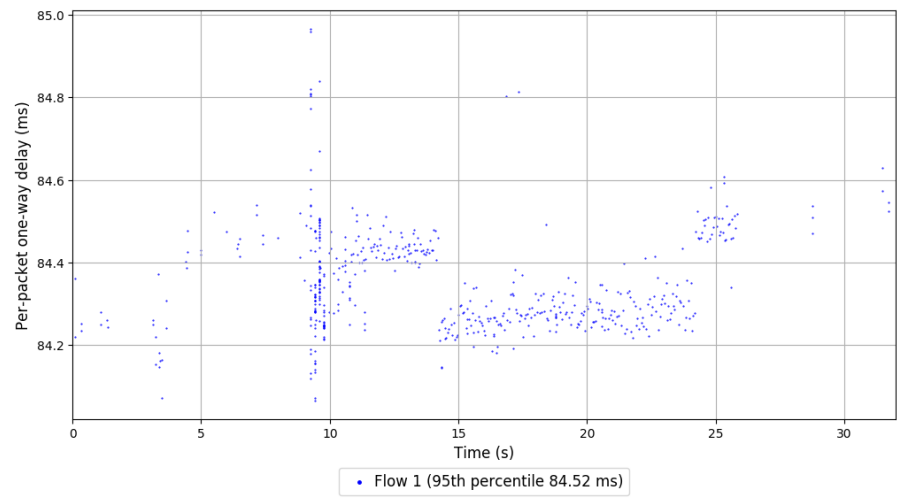
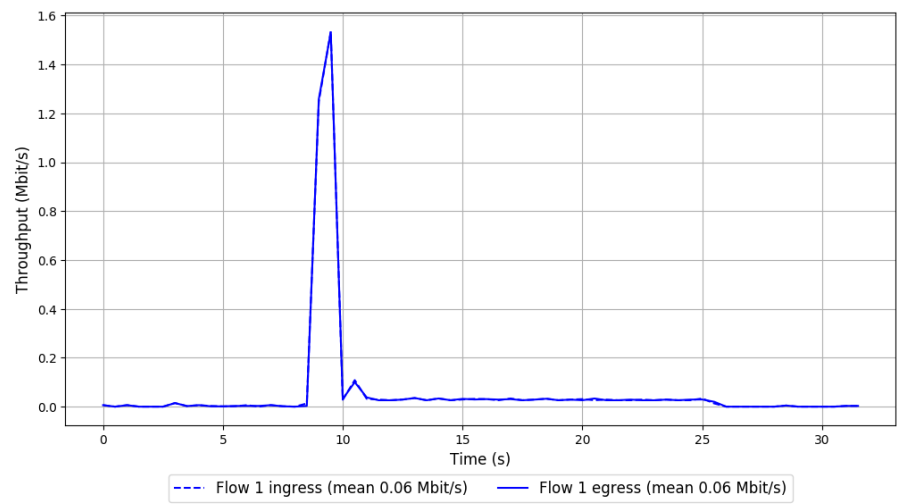


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 07:32:41
End at: 2018-04-24 07:33:11

# Below is generated by plot.py at 2018-04-24 11:05:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 84.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 84.522 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

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

End at: 2018-04-24 07:46:48

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 85.449 ms

Loss rate: 0.00%

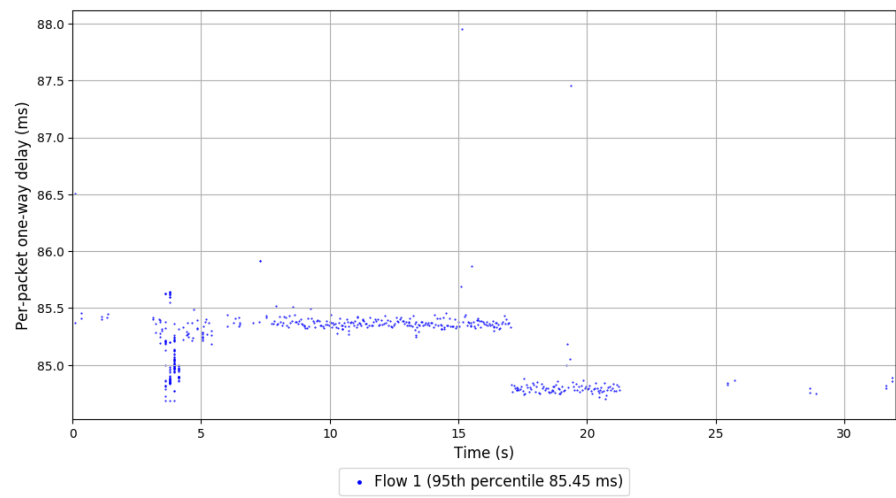
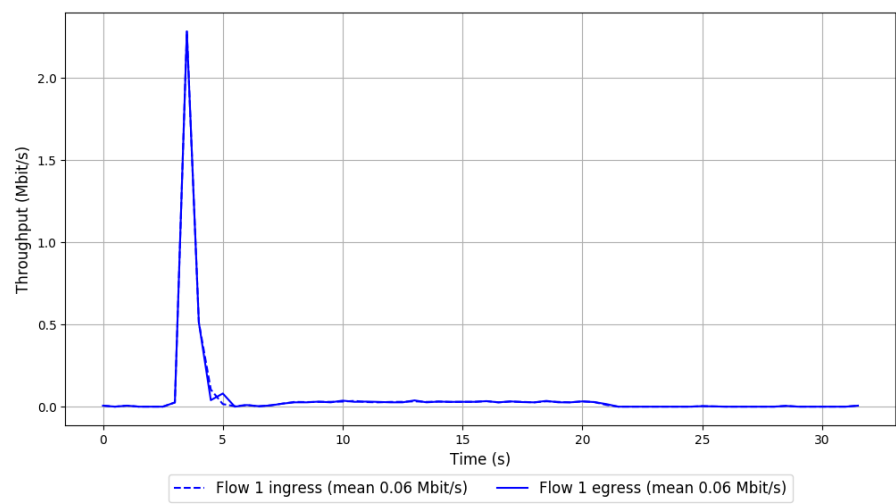
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 85.449 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-24 07:59:46

End at: 2018-04-24 08:00:16

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.057 ms

Loss rate: 0.00%

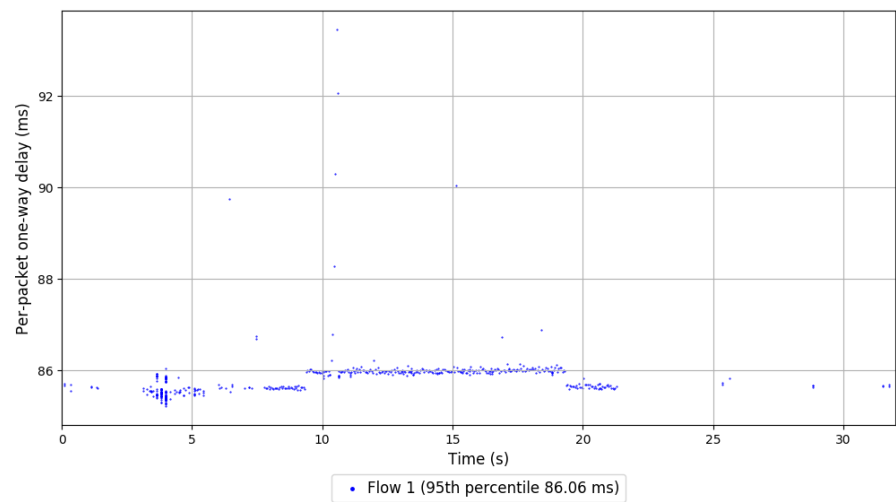
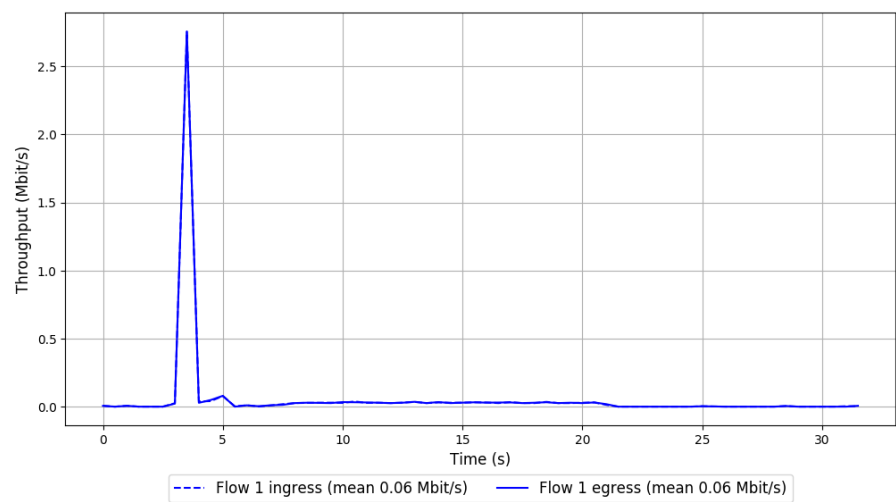
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.057 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-24 08:13:11

End at: 2018-04-24 08:13:41

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.014 ms

Loss rate: 0.00%

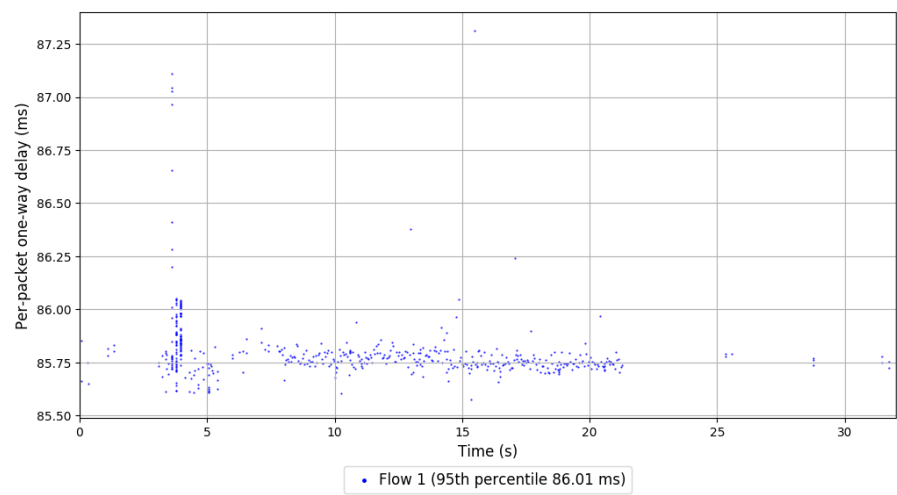
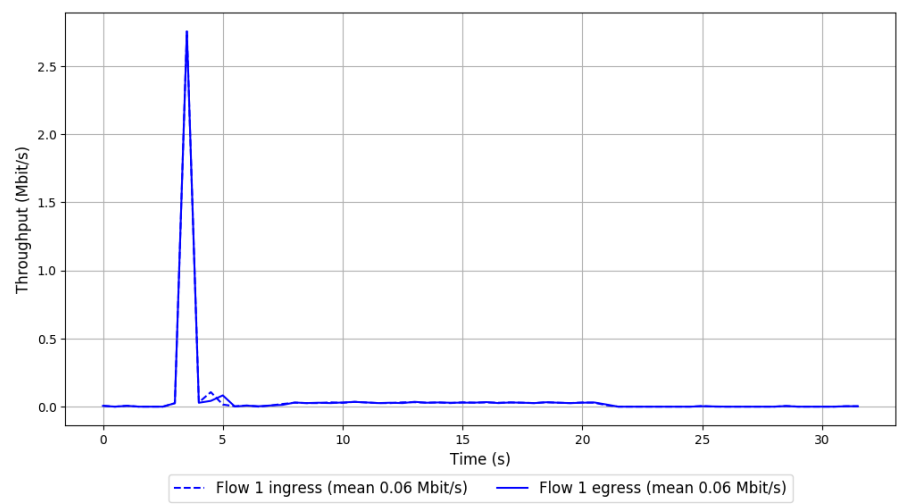
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.014 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-24 08:26:51

End at: 2018-04-24 08:27:21

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.125 ms

Loss rate: 0.00%

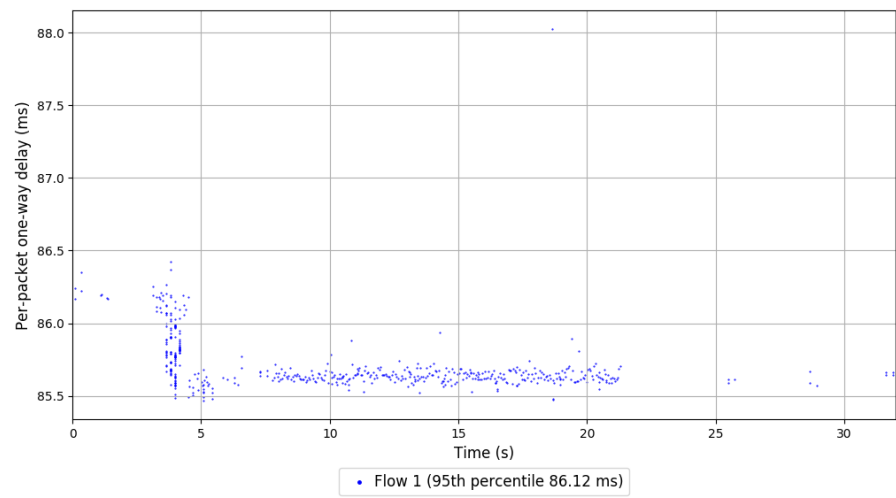
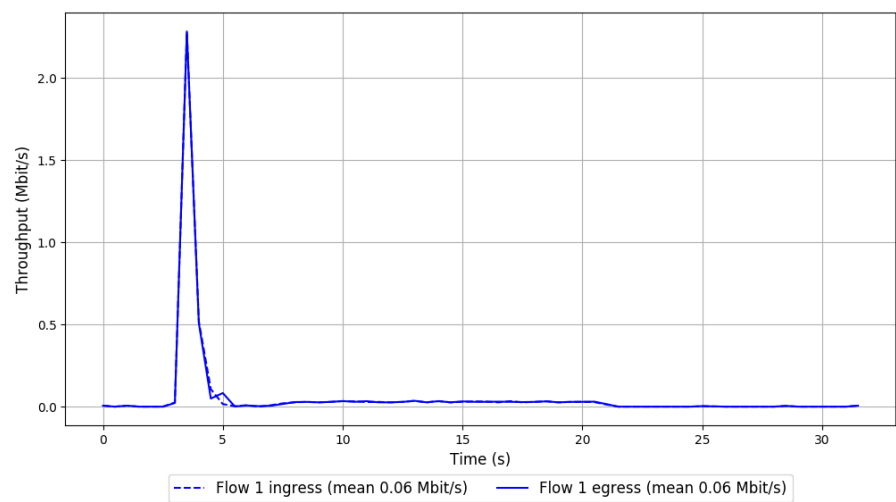
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.125 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-24 08:40:02

End at: 2018-04-24 08:40:32

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.385 ms

Loss rate: 0.00%

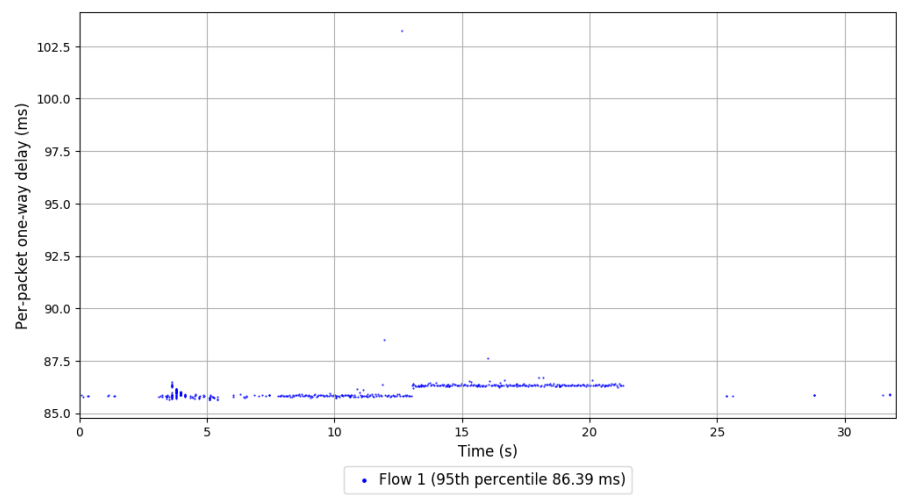
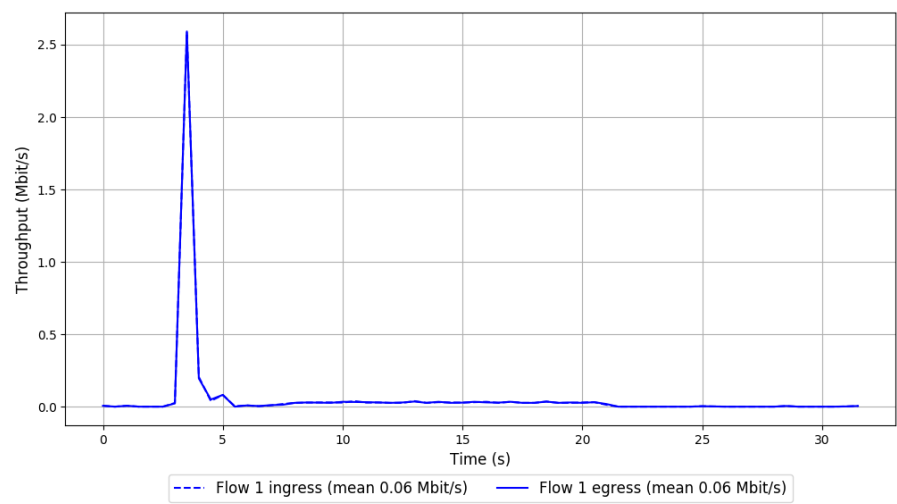
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.385 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-24 08:53:40

End at: 2018-04-24 08:54:10

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 85.870 ms

Loss rate: 0.00%

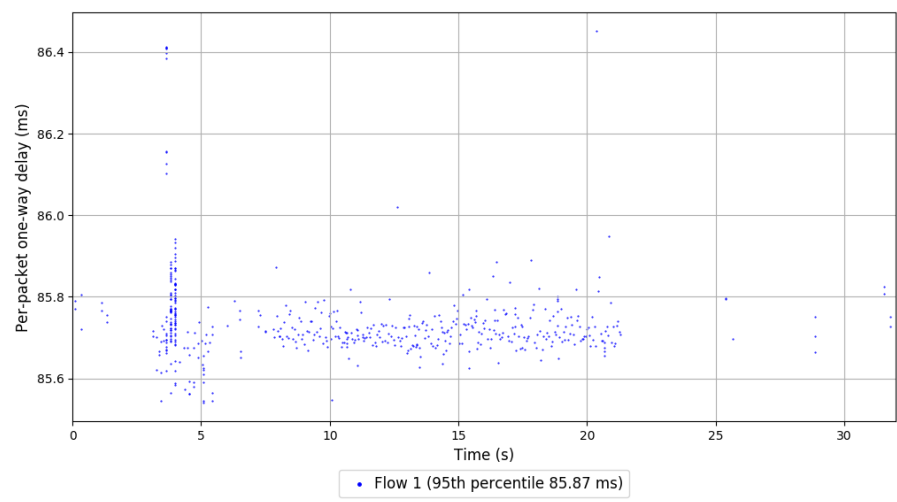
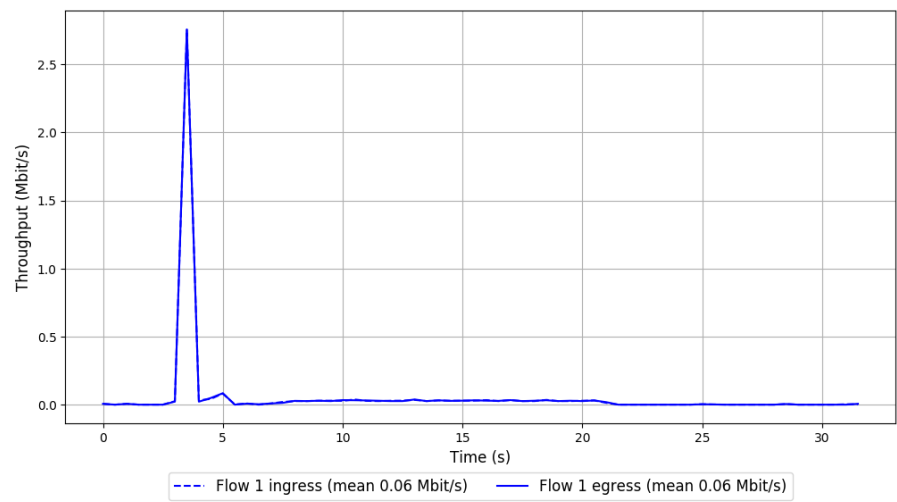
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 85.870 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-24 09:06:54

End at: 2018-04-24 09:07:24

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.915 ms

Loss rate: 0.00%

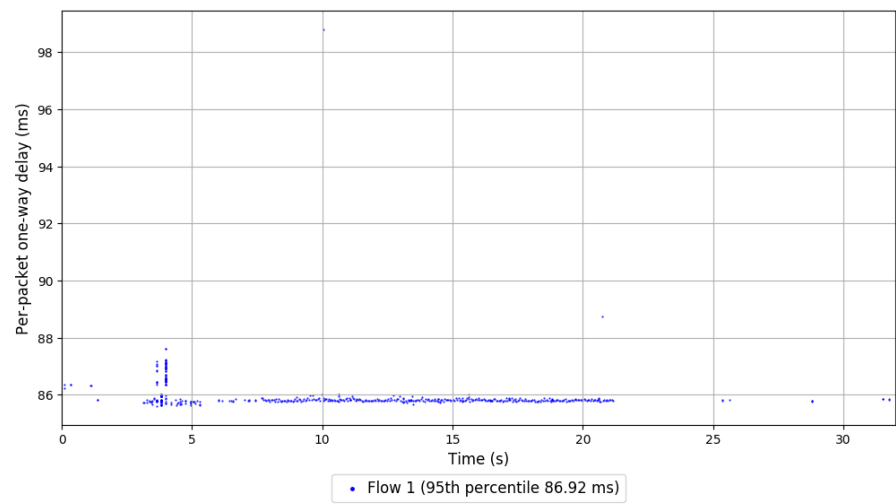
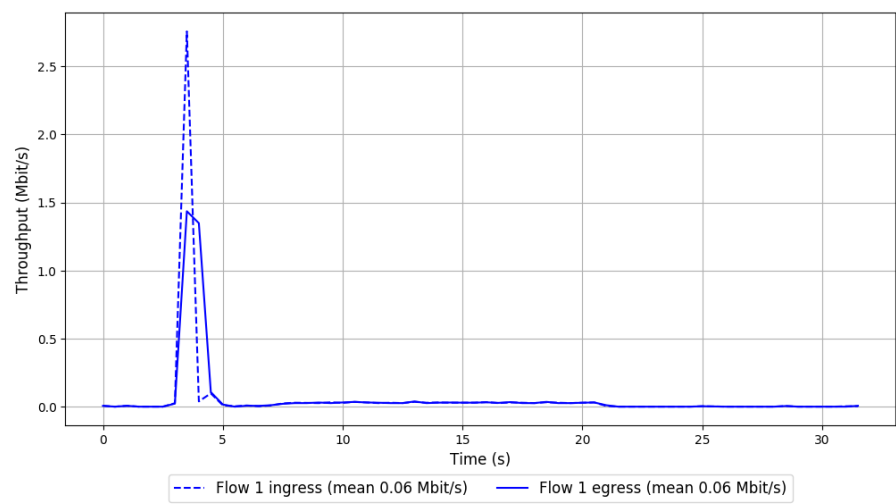
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.915 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-24 09:20:34

End at: 2018-04-24 09:21:04

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.463 ms

Loss rate: 0.00%

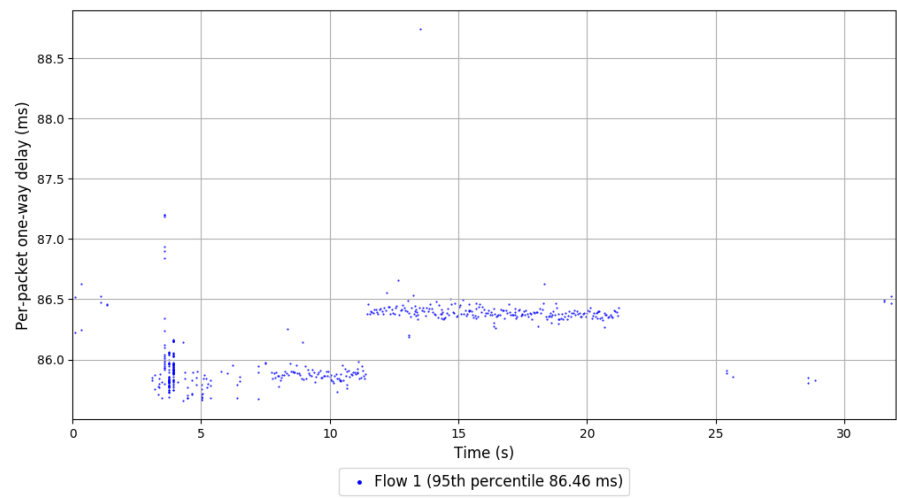
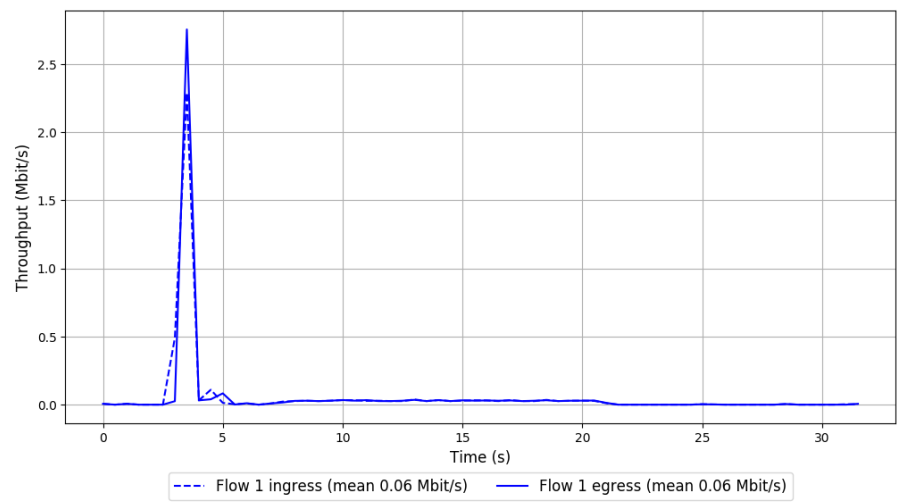
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 86.463 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-24 09:34:11

End at: 2018-04-24 09:34:41

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

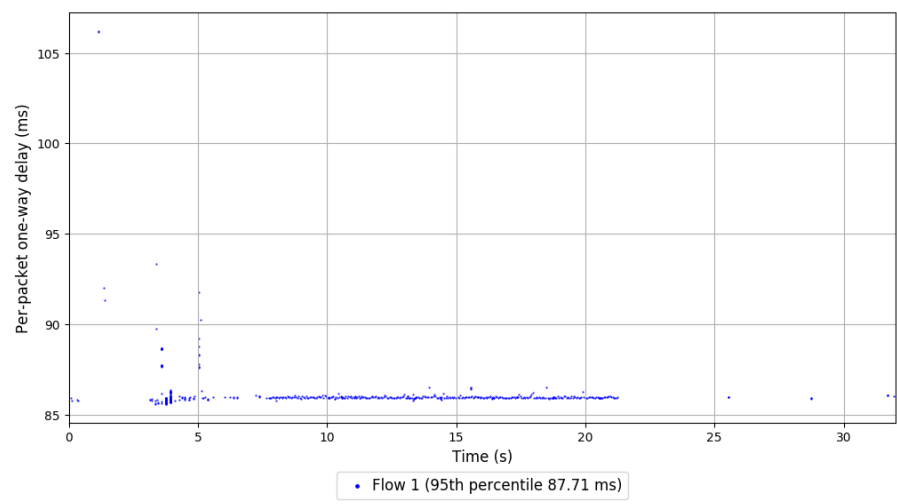
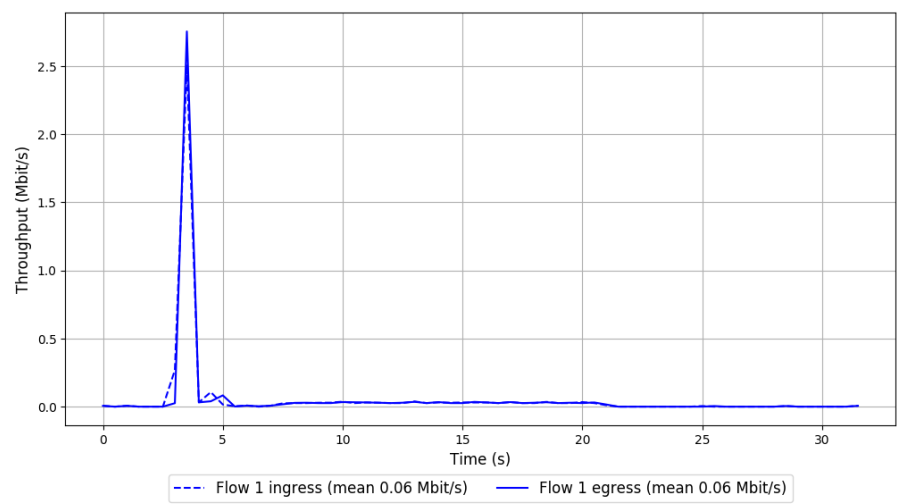
-- Flow 1:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-24 07:34:12

End at: 2018-04-24 07:34:43

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 85.295 ms

Loss rate: 0.00%

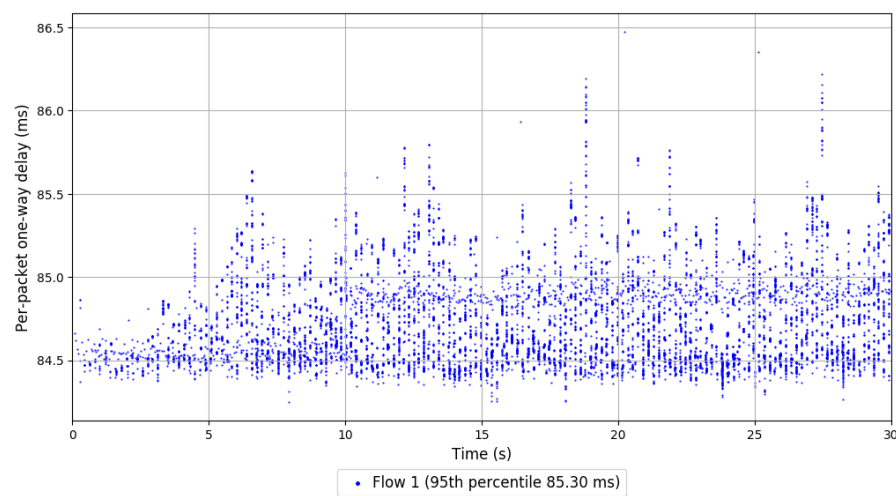
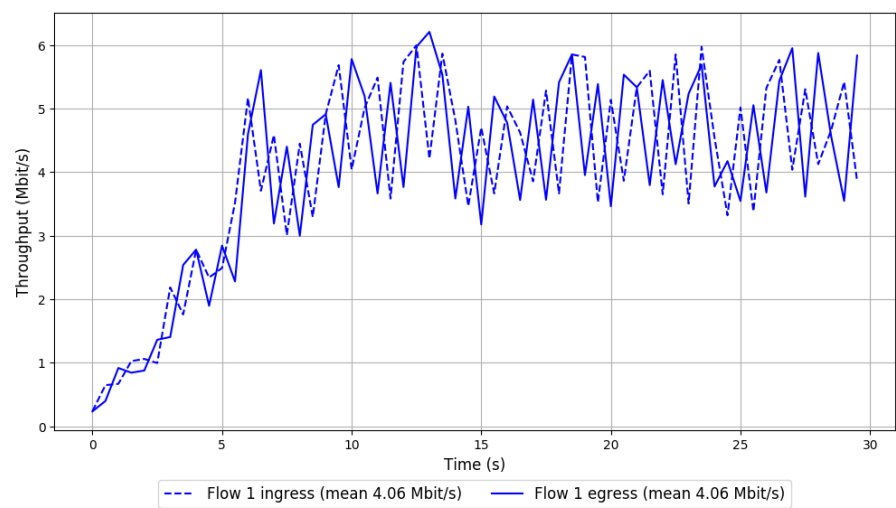
-- Flow 1:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 85.295 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-24 07:47:50

End at: 2018-04-24 07:48:20

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 85.660 ms

Loss rate: 0.00%

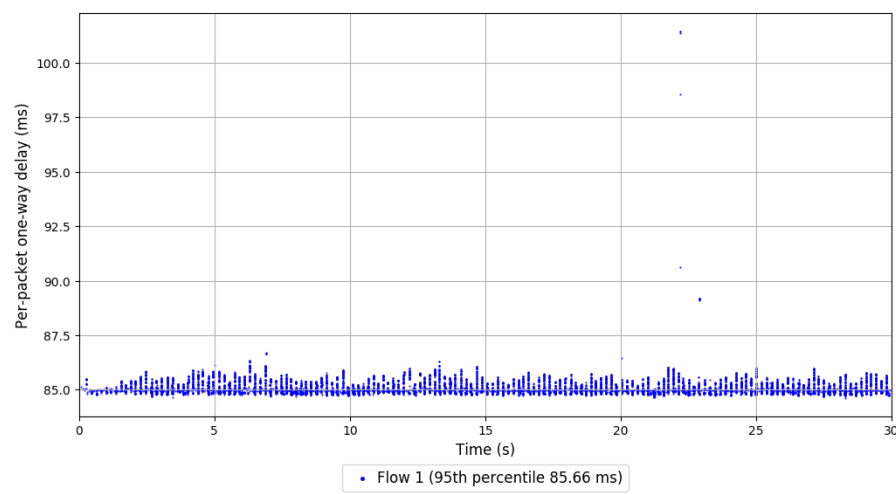
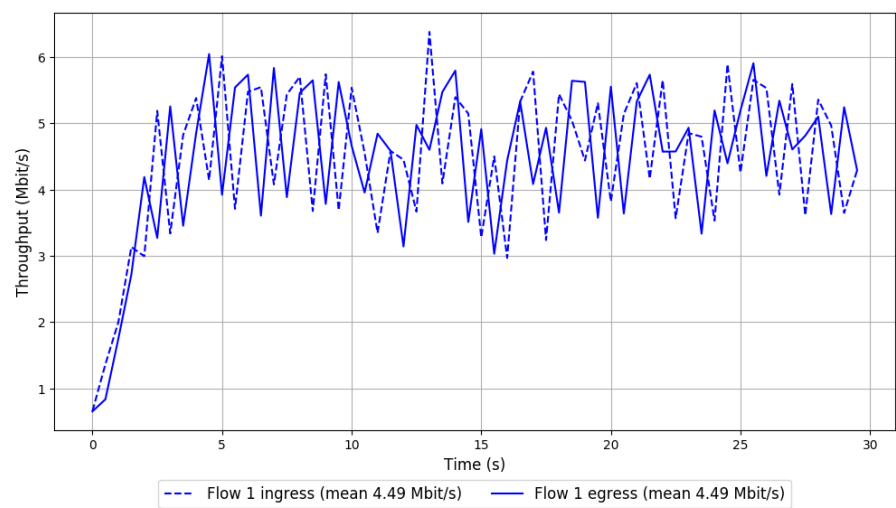
-- Flow 1:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 85.660 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-24 08:01:18

End at: 2018-04-24 08:01:48

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 86.499 ms

Loss rate: 0.00%

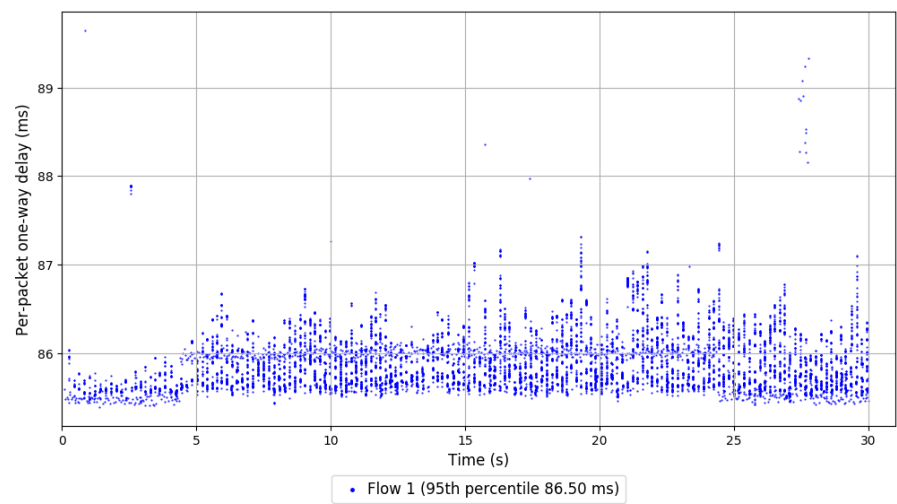
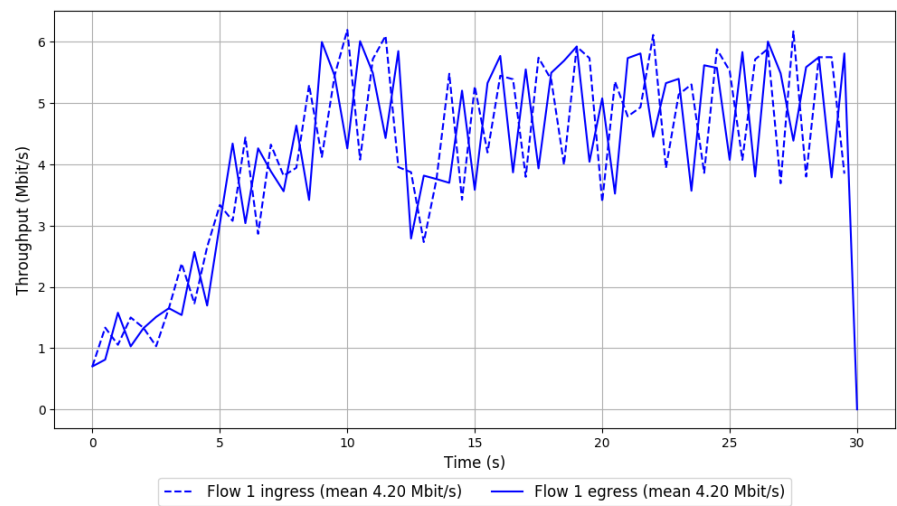
-- Flow 1:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 86.499 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-24 08:14:42

End at: 2018-04-24 08:15:12

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 86.596 ms

Loss rate: 0.00%

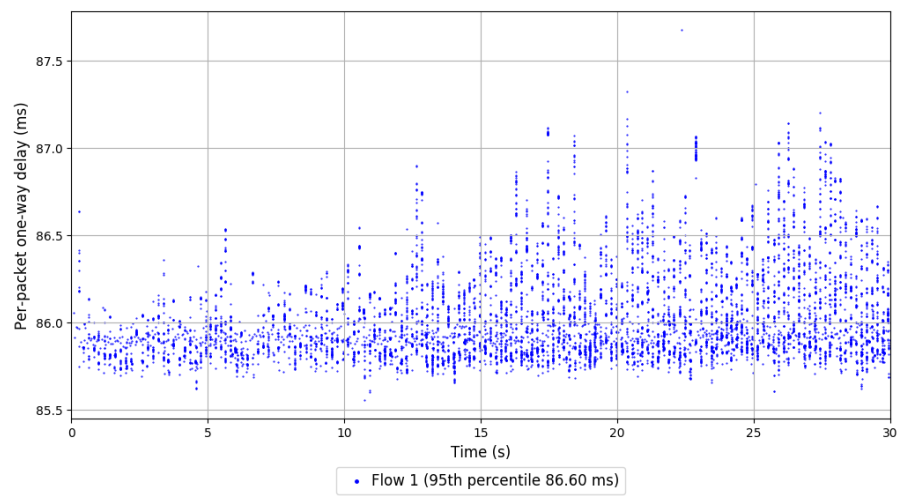
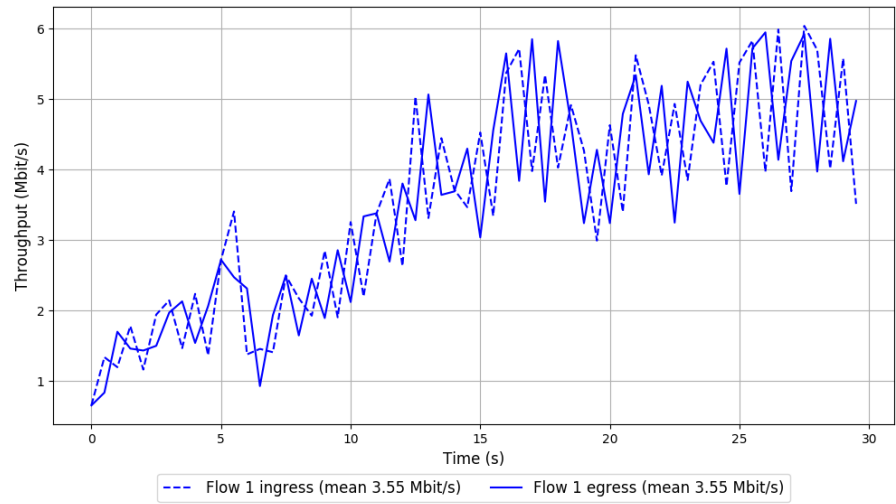
-- Flow 1:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 86.596 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-24 08:28:23

End at: 2018-04-24 08:28:53

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 86.536 ms

Loss rate: 0.10%

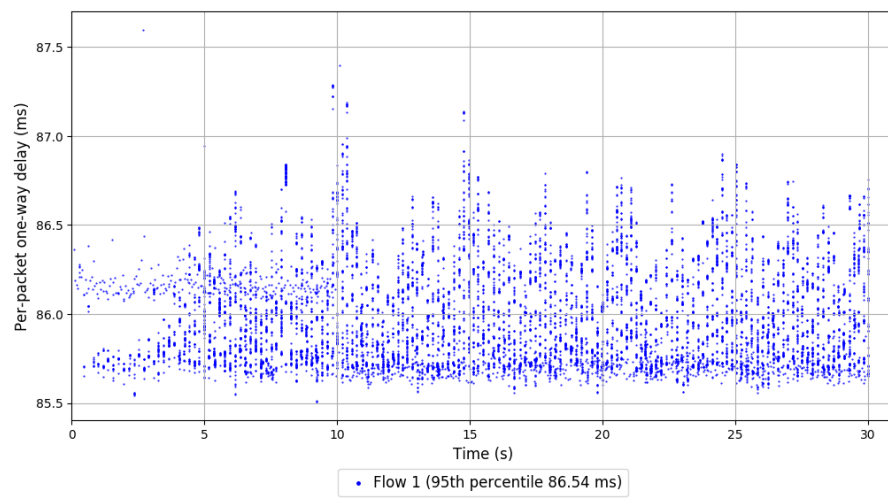
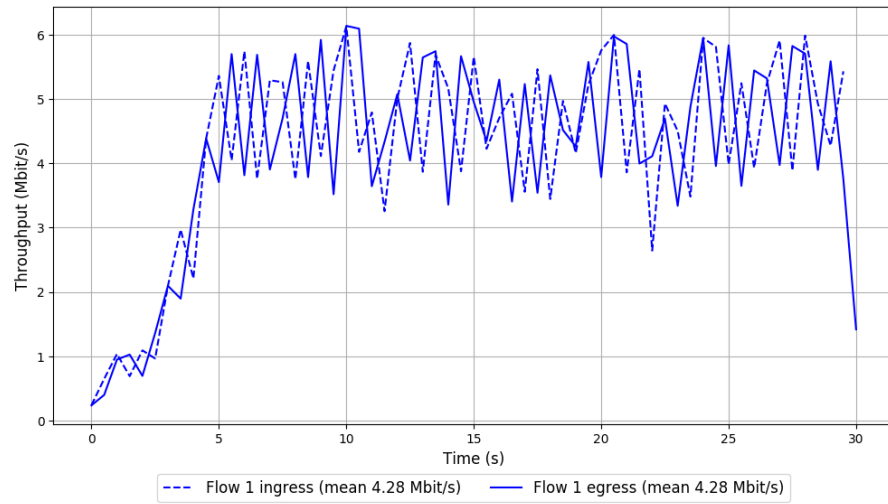
-- Flow 1:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 86.536 ms

Loss rate: 0.10%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-24 08:41:34

End at: 2018-04-24 08:42:04

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.53 Mbit/s

95th percentile per-packet one-way delay: 86.695 ms

Loss rate: 0.00%

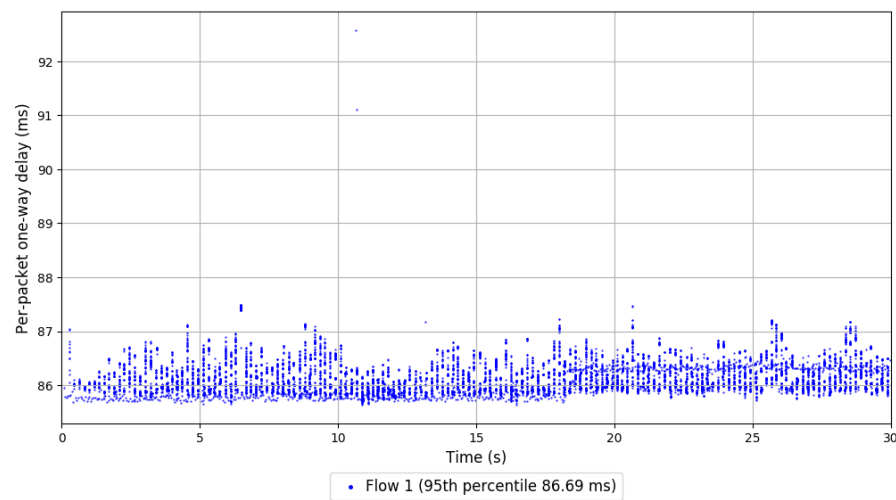
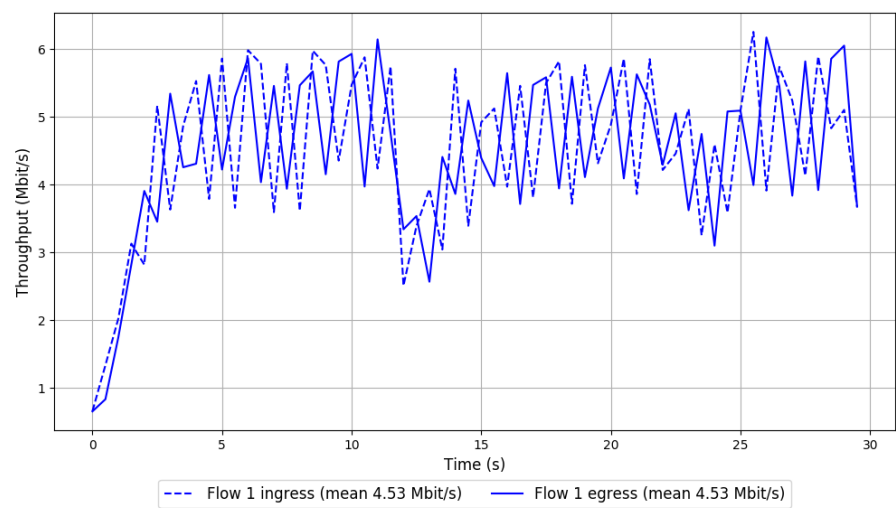
-- Flow 1:

Average throughput: 4.53 Mbit/s

95th percentile per-packet one-way delay: 86.695 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-24 08:55:12

End at: 2018-04-24 08:55:42

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 86.608 ms

Loss rate: 0.00%

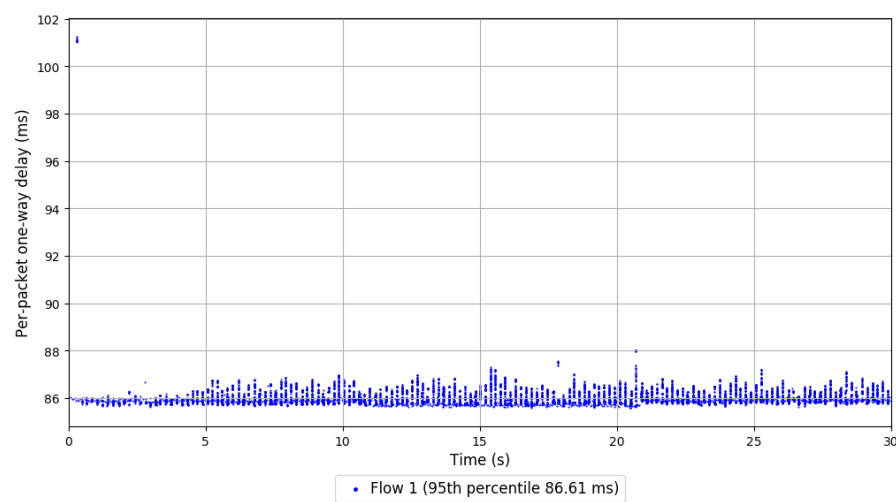
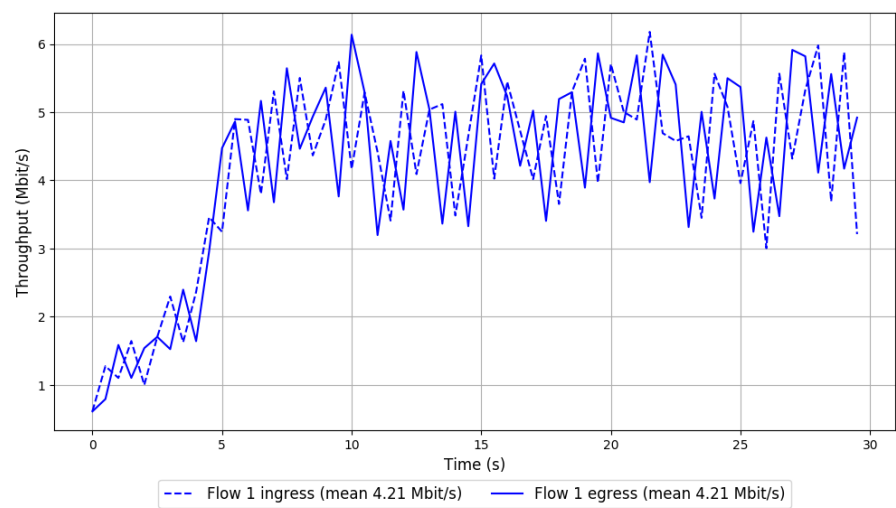
-- Flow 1:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 86.608 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-24 09:08:26

End at: 2018-04-24 09:08:56

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 86.633 ms

Loss rate: 0.00%

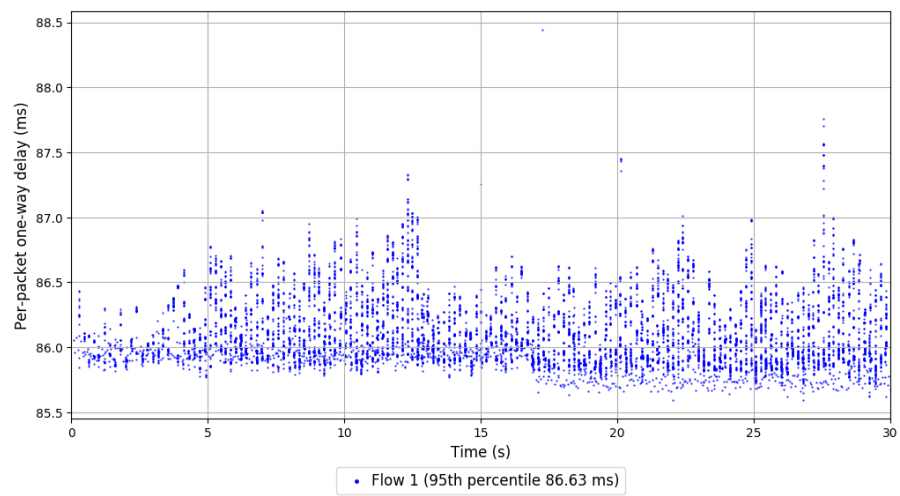
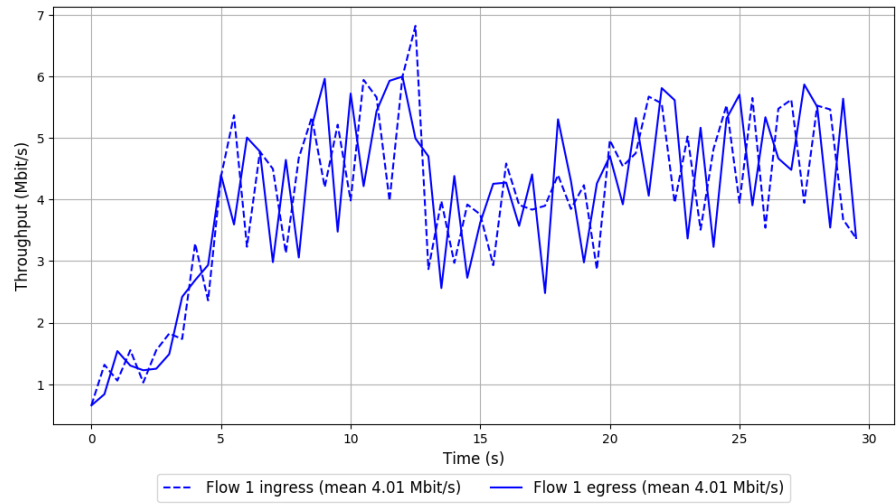
-- Flow 1:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 86.633 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-24 09:22:05

End at: 2018-04-24 09:22:35

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 86.760 ms

Loss rate: 0.00%

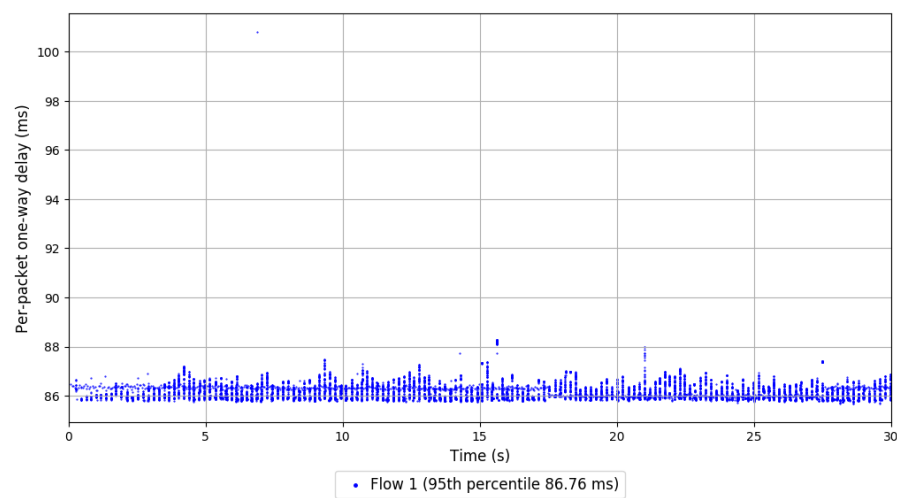
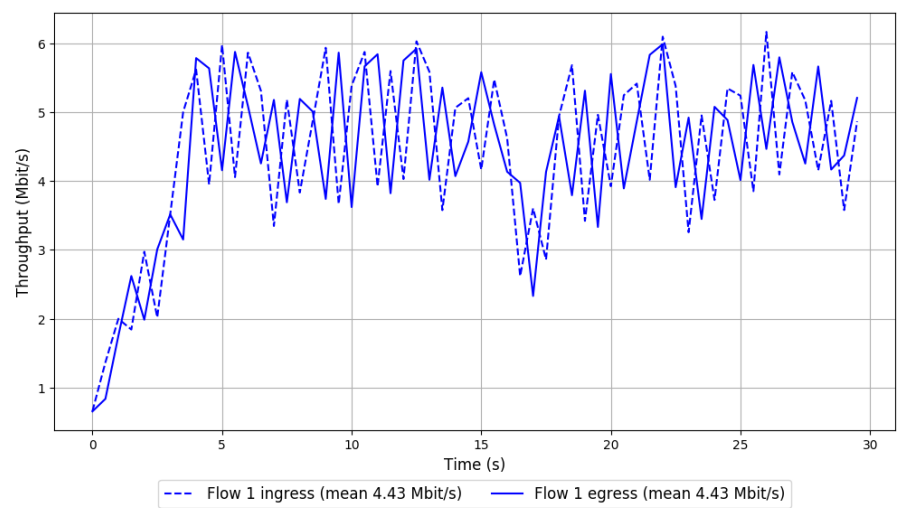
-- Flow 1:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 86.760 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 09:35:43

End at: 2018-04-24 09:36:13

Below is generated by plot.py at 2018-04-24 11:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 86.660 ms

Loss rate: 0.00%

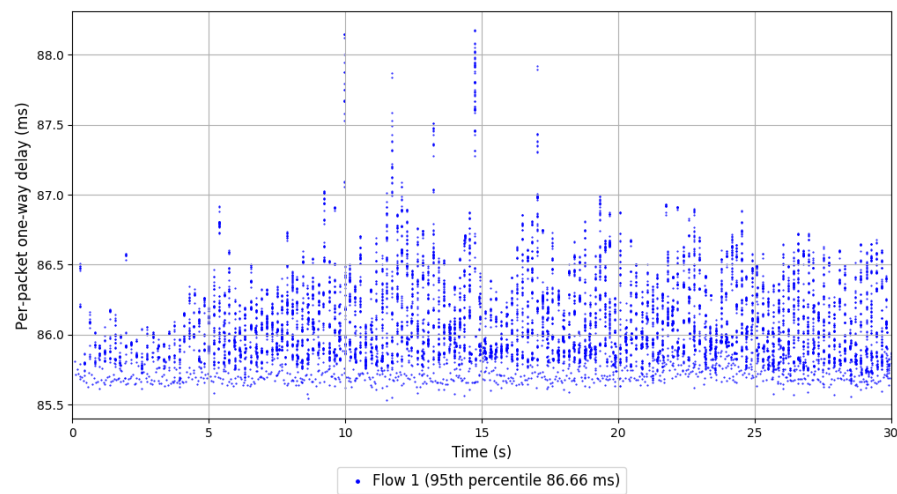
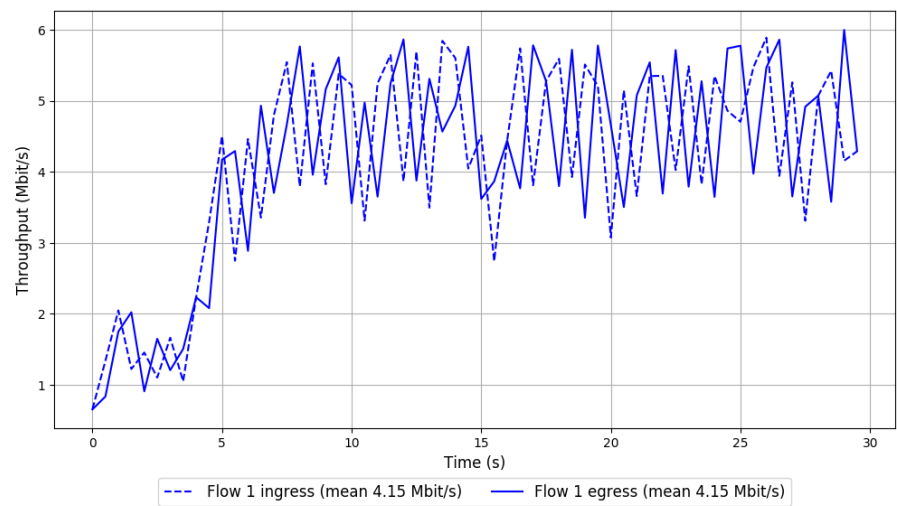
-- Flow 1:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 86.660 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

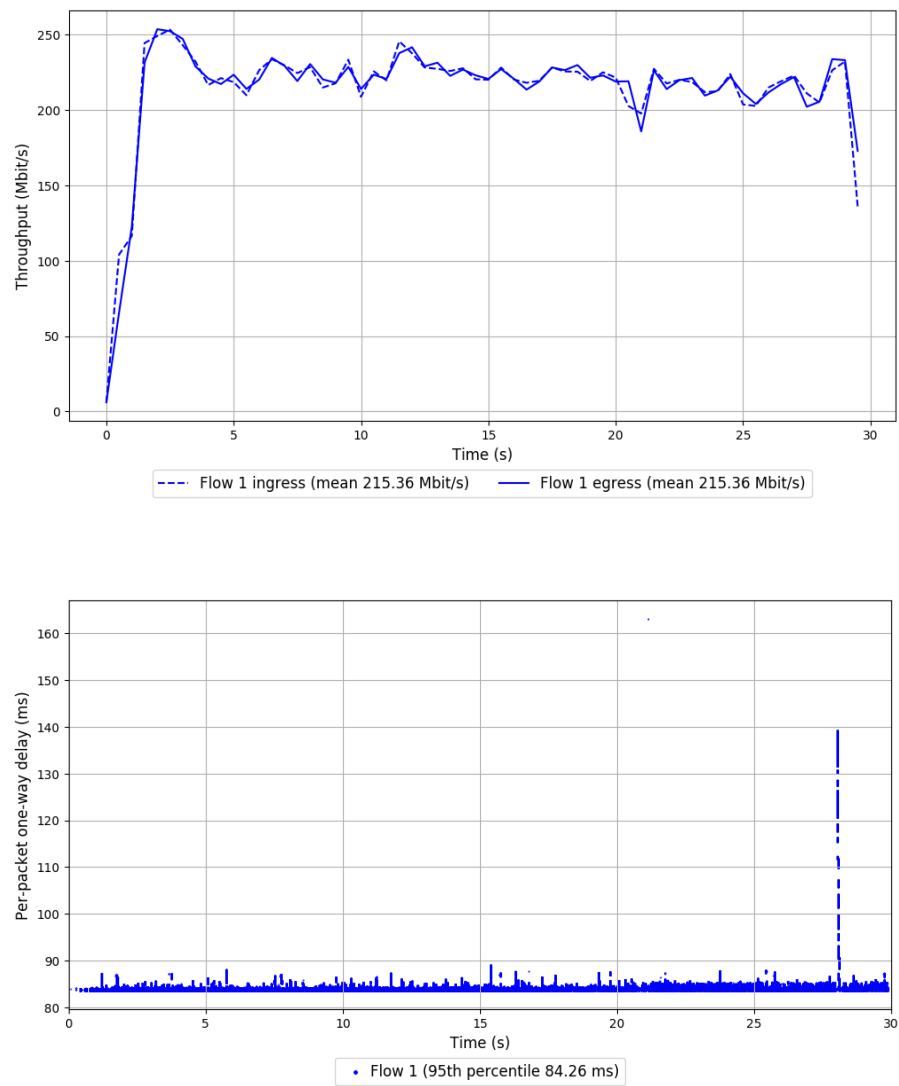


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 07:30:19
End at: 2018-04-24 07:30:49

# Below is generated by plot.py at 2018-04-24 11:09:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.36 Mbit/s
95th percentile per-packet one-way delay: 84.260 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.36 Mbit/s
95th percentile per-packet one-way delay: 84.260 ms
Loss rate: 0.00%
```

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

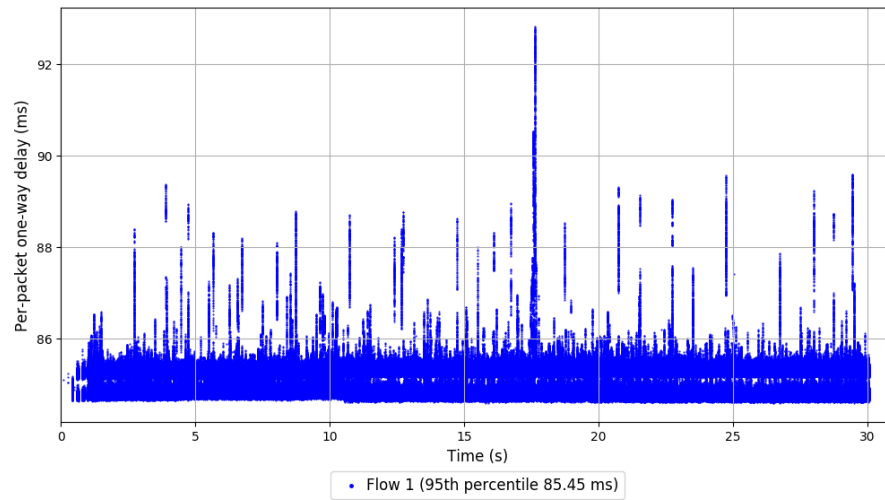
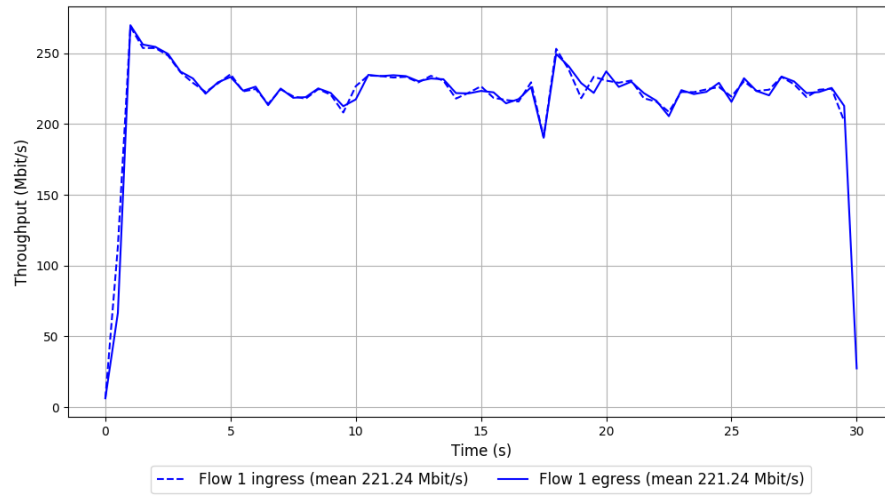


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 07:43:52
End at: 2018-04-24 07:44:22

# Below is generated by plot.py at 2018-04-24 11:09:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.24 Mbit/s
95th percentile per-packet one-way delay: 85.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.24 Mbit/s
95th percentile per-packet one-way delay: 85.453 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 07:57:19

End at: 2018-04-24 07:57:49

Below is generated by plot.py at 2018-04-24 11:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.73 Mbit/s

95th percentile per-packet one-way delay: 85.819 ms

Loss rate: 0.00%

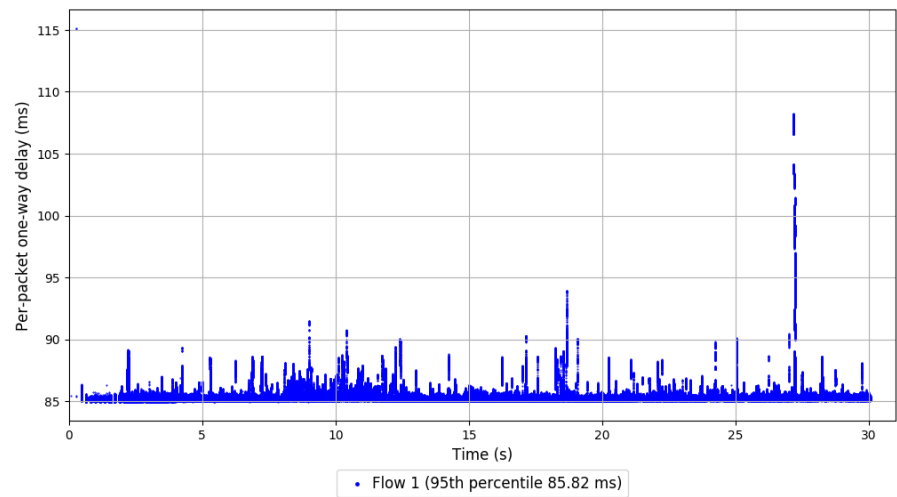
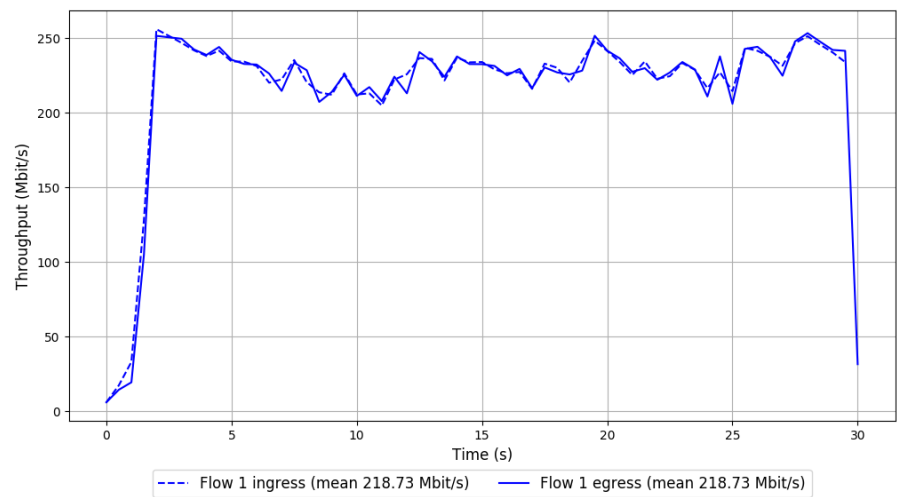
-- Flow 1:

Average throughput: 218.73 Mbit/s

95th percentile per-packet one-way delay: 85.819 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 08:10:45

End at: 2018-04-24 08:11:15

Below is generated by plot.py at 2018-04-24 11:09:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.92 Mbit/s

95th percentile per-packet one-way delay: 86.147 ms

Loss rate: 0.00%

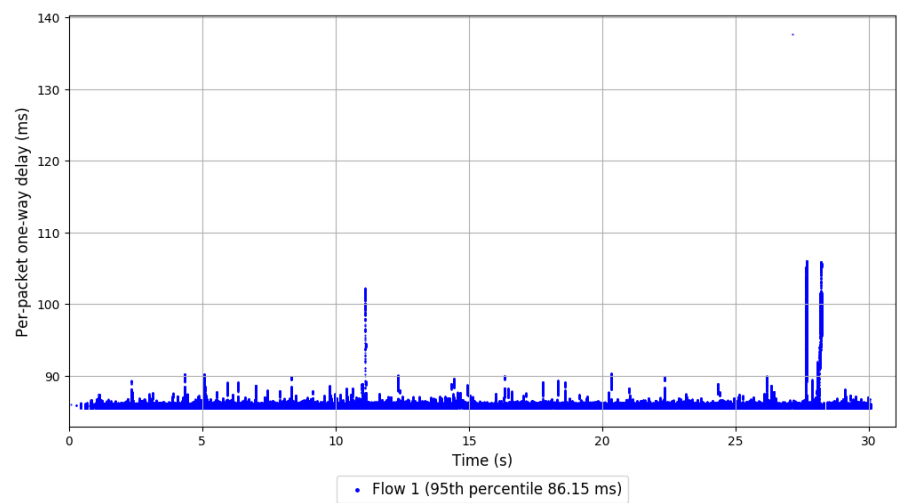
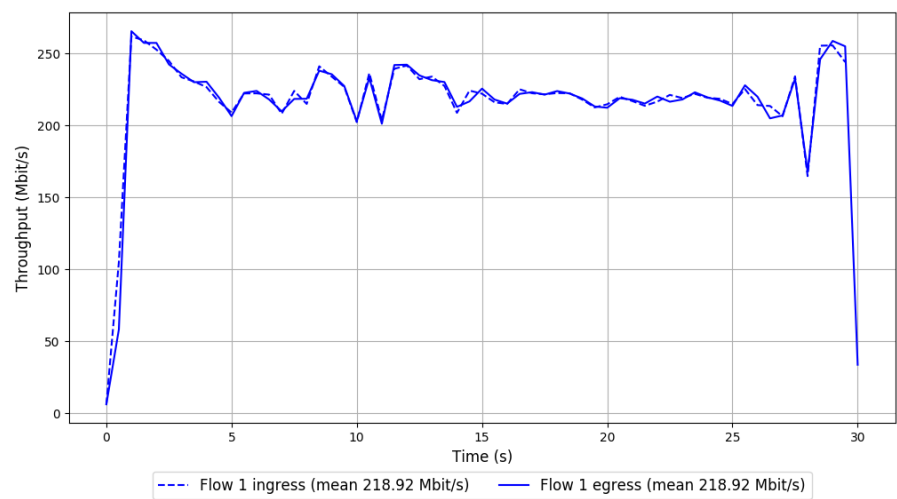
-- Flow 1:

Average throughput: 218.92 Mbit/s

95th percentile per-packet one-way delay: 86.147 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

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

End at: 2018-04-24 08:24:54

Below is generated by plot.py at 2018-04-24 11:09:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.23 Mbit/s

95th percentile per-packet one-way delay: 85.920 ms

Loss rate: 0.00%

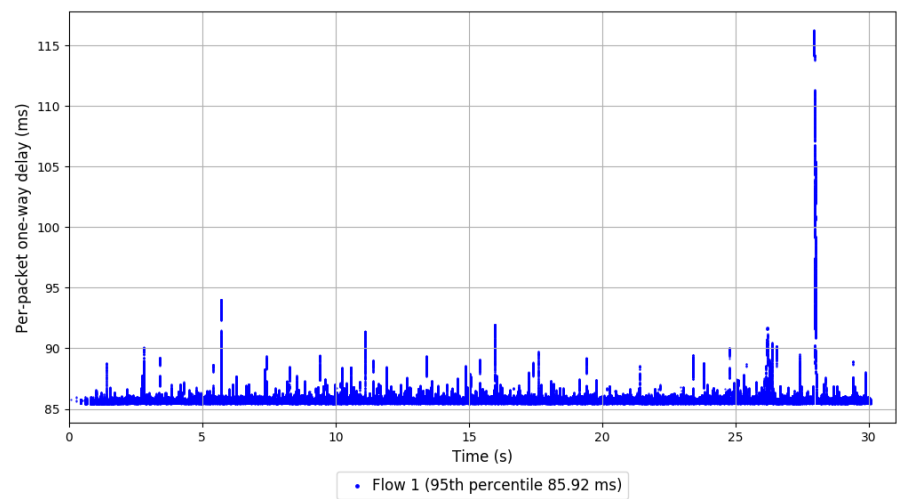
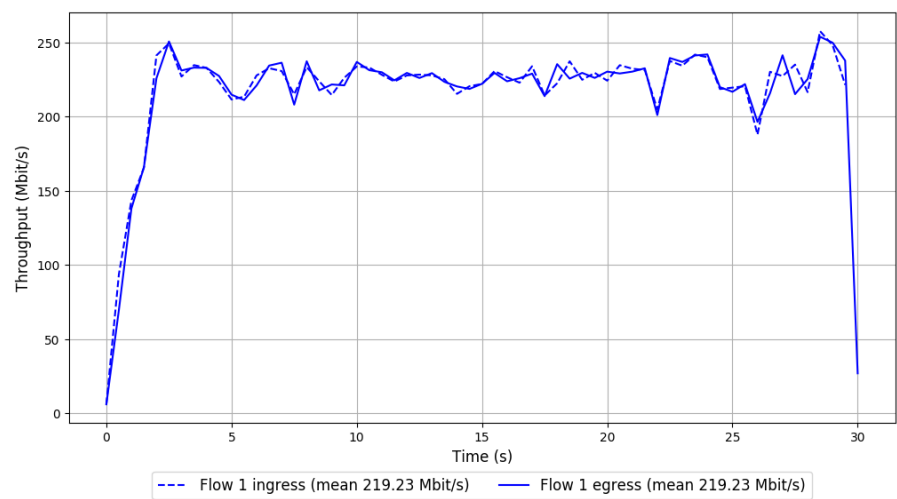
-- Flow 1:

Average throughput: 219.23 Mbit/s

95th percentile per-packet one-way delay: 85.920 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 08:37:36

End at: 2018-04-24 08:38:06

Below is generated by plot.py at 2018-04-24 11:09:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.88 Mbit/s

95th percentile per-packet one-way delay: 86.192 ms

Loss rate: 0.00%

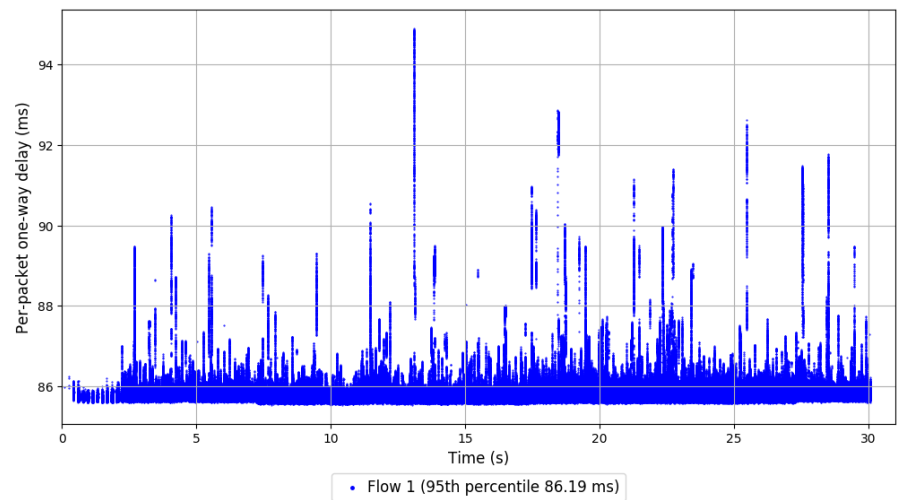
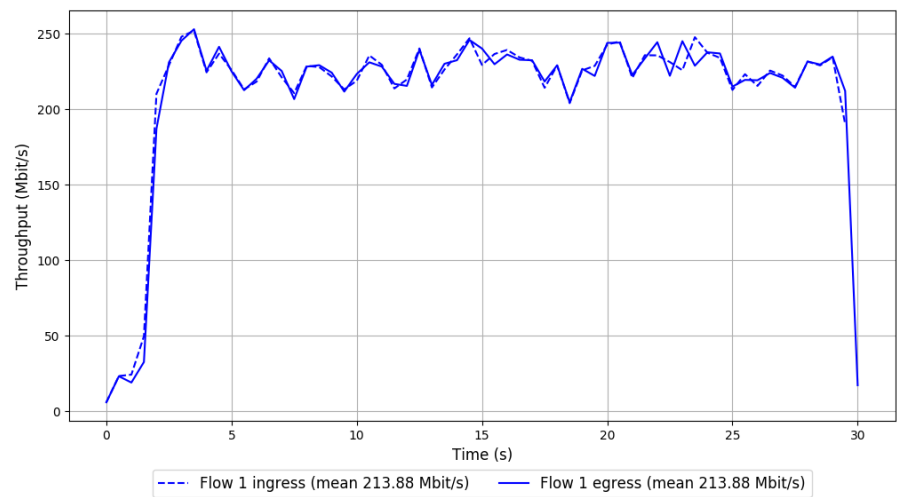
-- Flow 1:

Average throughput: 213.88 Mbit/s

95th percentile per-packet one-way delay: 86.192 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 08:51:15

End at: 2018-04-24 08:51:45

Below is generated by plot.py at 2018-04-24 11:13:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.49 Mbit/s

95th percentile per-packet one-way delay: 86.371 ms

Loss rate: 0.00%

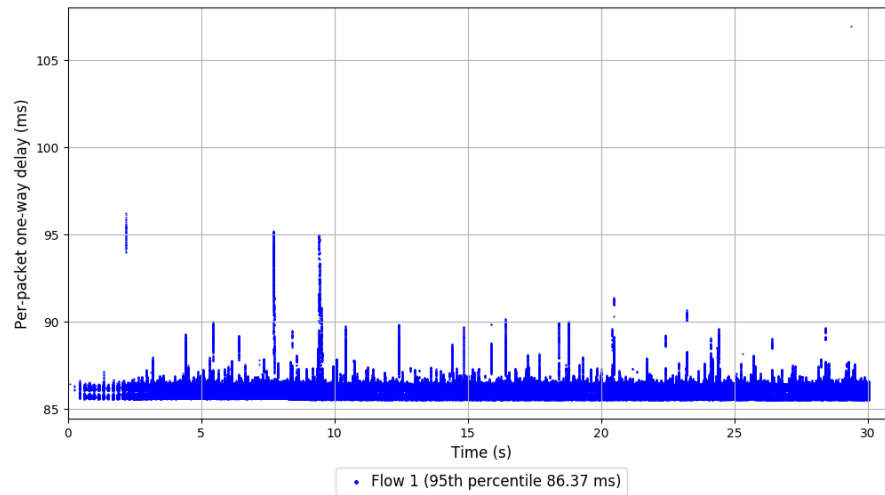
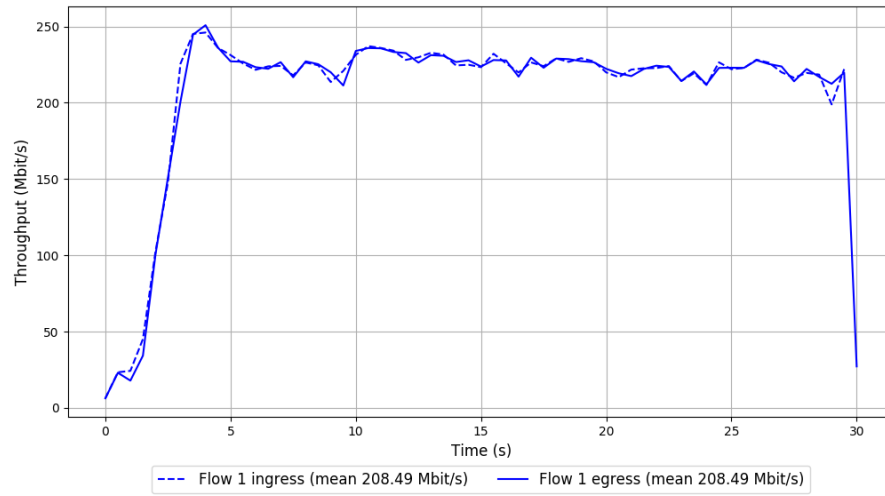
-- Flow 1:

Average throughput: 208.49 Mbit/s

95th percentile per-packet one-way delay: 86.371 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

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

End at: 2018-04-24 09:04:58

Below is generated by plot.py at 2018-04-24 11:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.62 Mbit/s

95th percentile per-packet one-way delay: 86.285 ms

Loss rate: 0.00%

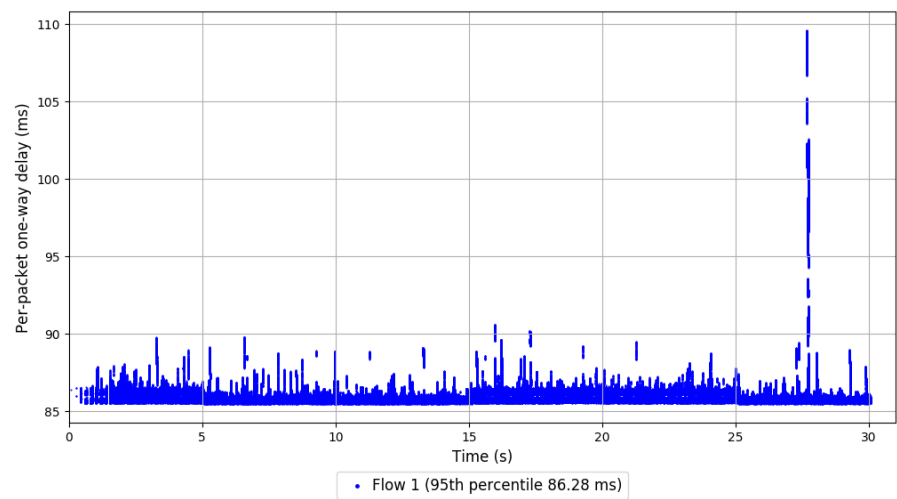
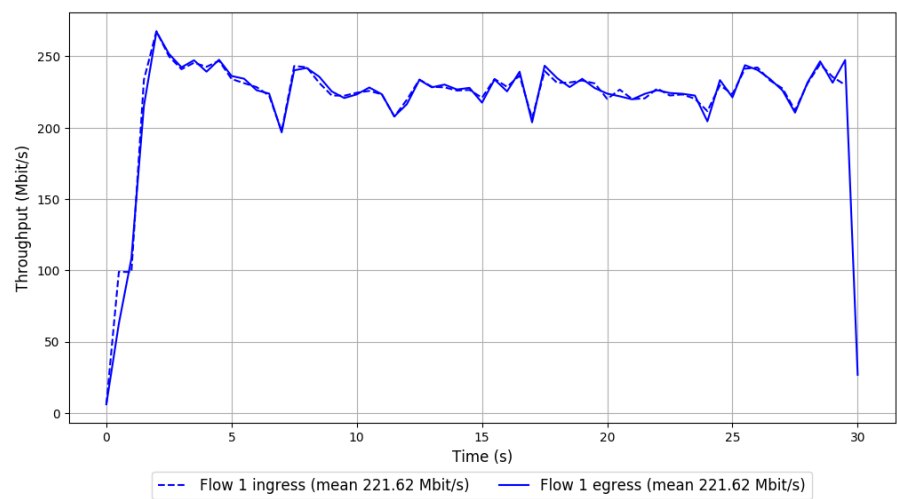
-- Flow 1:

Average throughput: 221.62 Mbit/s

95th percentile per-packet one-way delay: 86.285 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 09:18:08

End at: 2018-04-24 09:18:38

Below is generated by plot.py at 2018-04-24 11:16:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.64 Mbit/s

95th percentile per-packet one-way delay: 86.155 ms

Loss rate: 0.00%

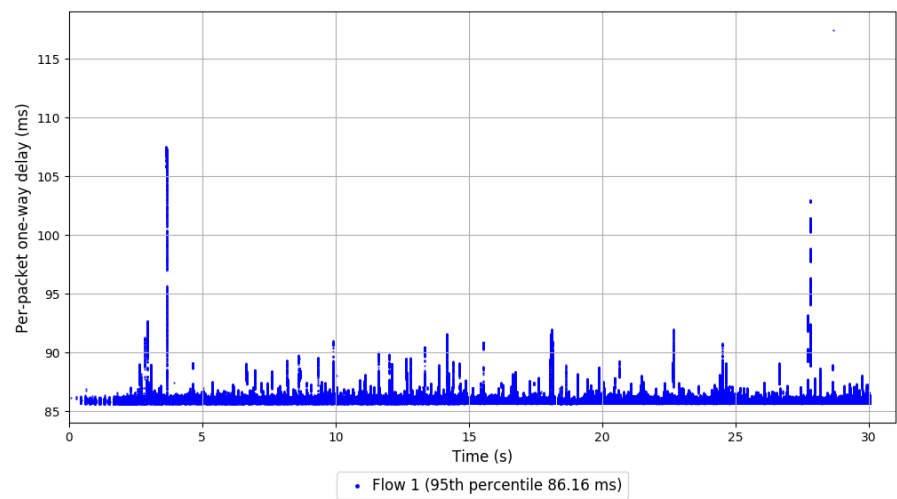
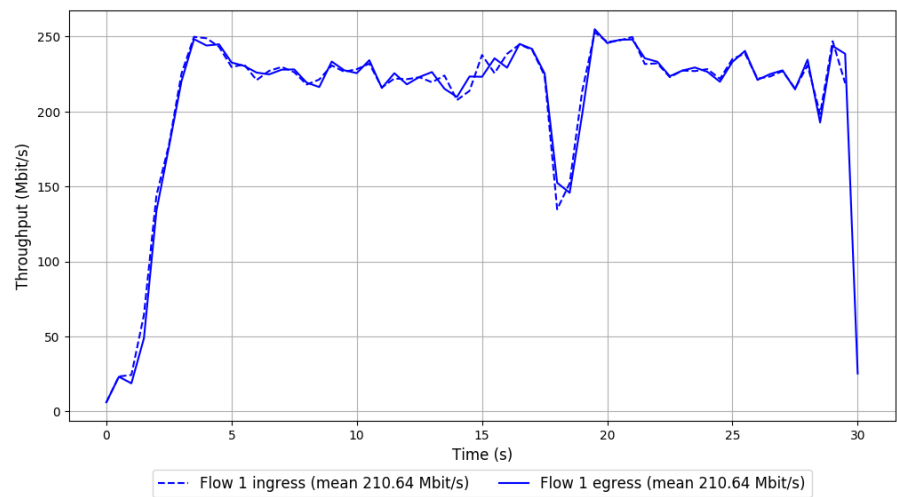
-- Flow 1:

Average throughput: 210.64 Mbit/s

95th percentile per-packet one-way delay: 86.155 ms

Loss rate: 0.00%

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

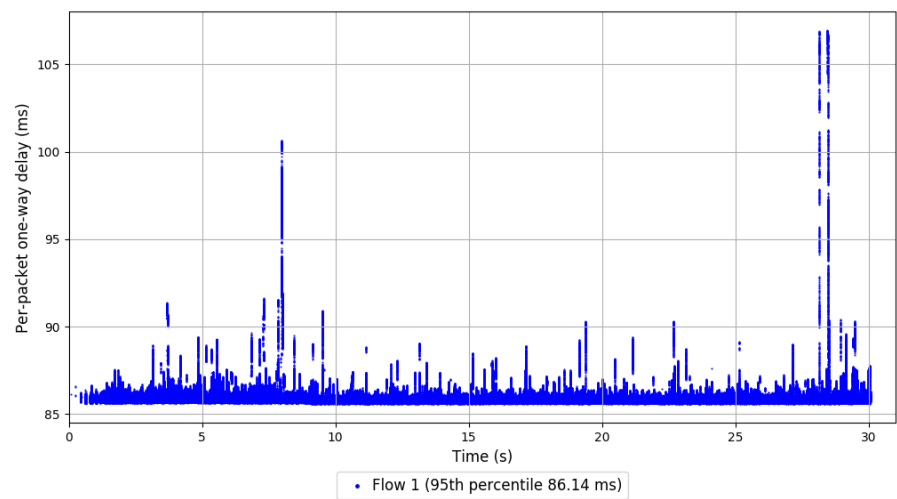
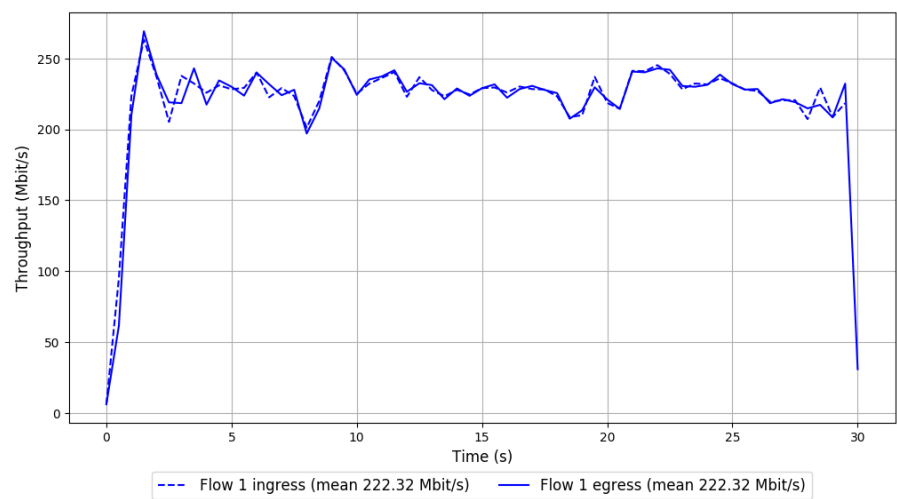


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 09:31:44
End at: 2018-04-24 09:32:14

# Below is generated by plot.py at 2018-04-24 11:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.32 Mbit/s
95th percentile per-packet one-way delay: 86.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.32 Mbit/s
95th percentile per-packet one-way delay: 86.137 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 07:27:29

End at: 2018-04-24 07:27:59

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.14 Mbit/s

95th percentile per-packet one-way delay: 84.363 ms

Loss rate: 0.00%

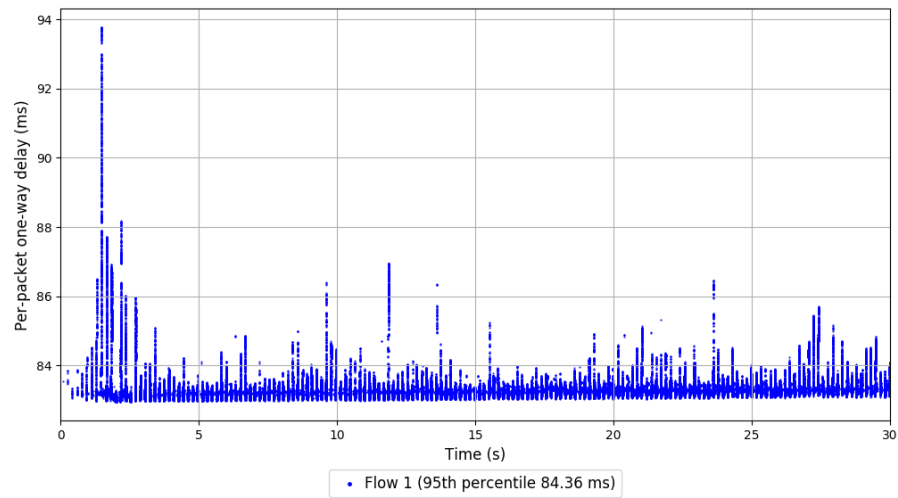
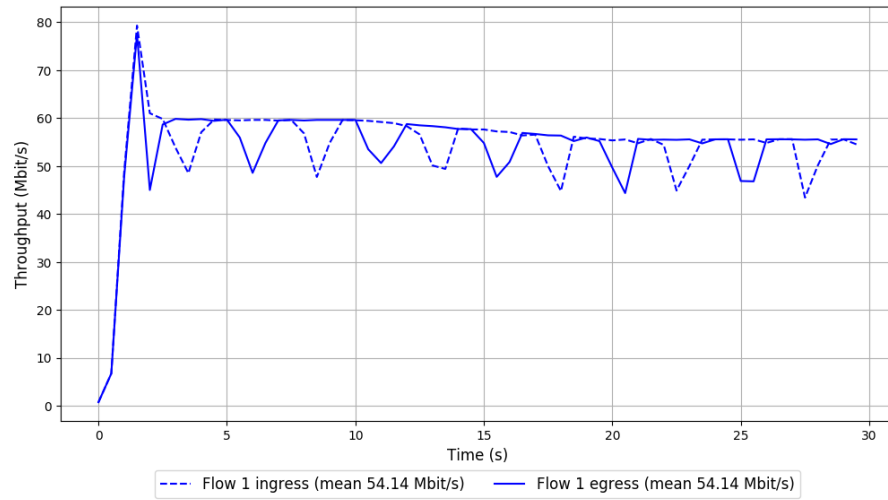
-- Flow 1:

Average throughput: 54.14 Mbit/s

95th percentile per-packet one-way delay: 84.363 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 07:40:59

End at: 2018-04-24 07:41:29

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.42 Mbit/s

95th percentile per-packet one-way delay: 85.417 ms

Loss rate: 0.00%

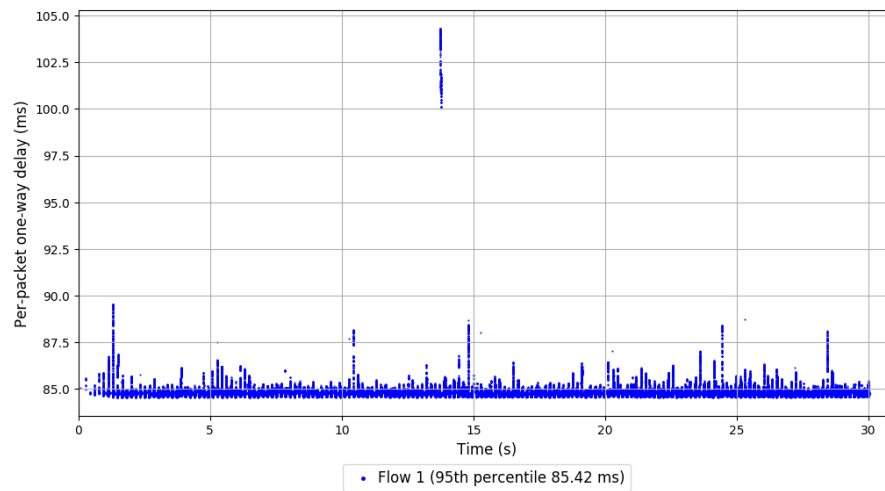
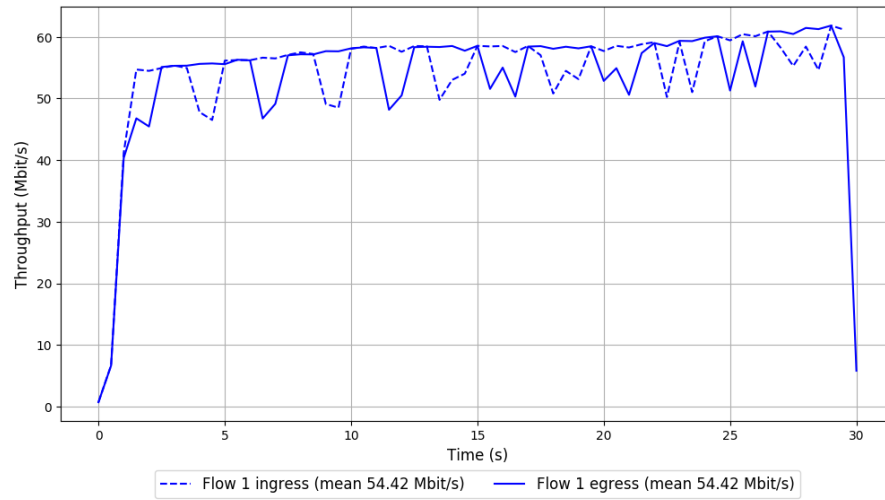
-- Flow 1:

Average throughput: 54.42 Mbit/s

95th percentile per-packet one-way delay: 85.417 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 07:54:25

End at: 2018-04-24 07:54:55

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.48 Mbit/s

95th percentile per-packet one-way delay: 94.654 ms

Loss rate: 0.00%

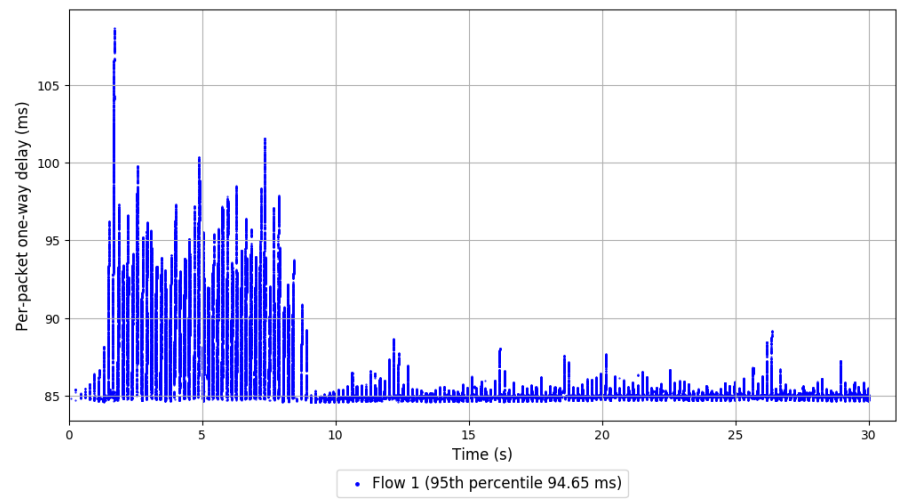
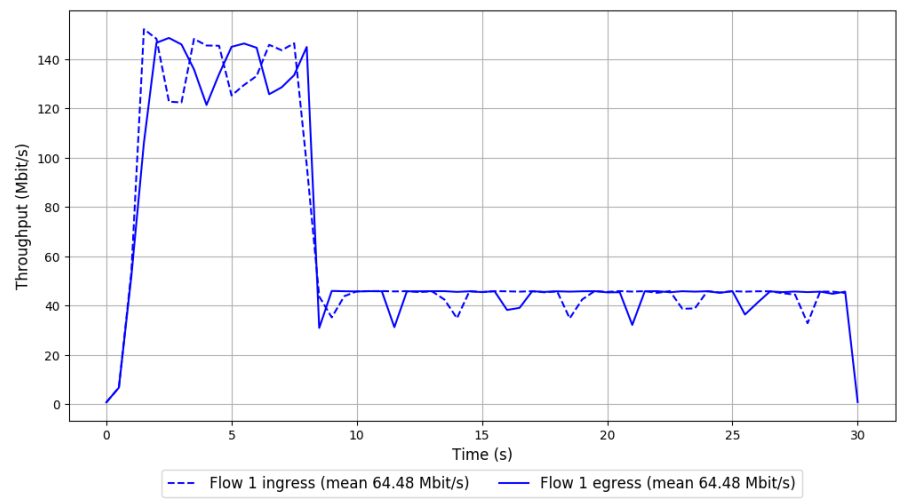
-- Flow 1:

Average throughput: 64.48 Mbit/s

95th percentile per-packet one-way delay: 94.654 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 08:07:52

End at: 2018-04-24 08:08:22

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.66 Mbit/s

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

Loss rate: 0.00%

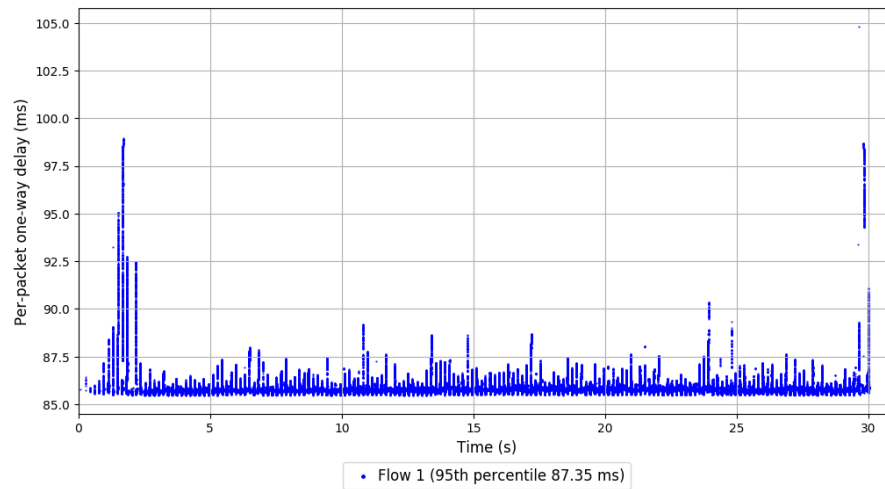
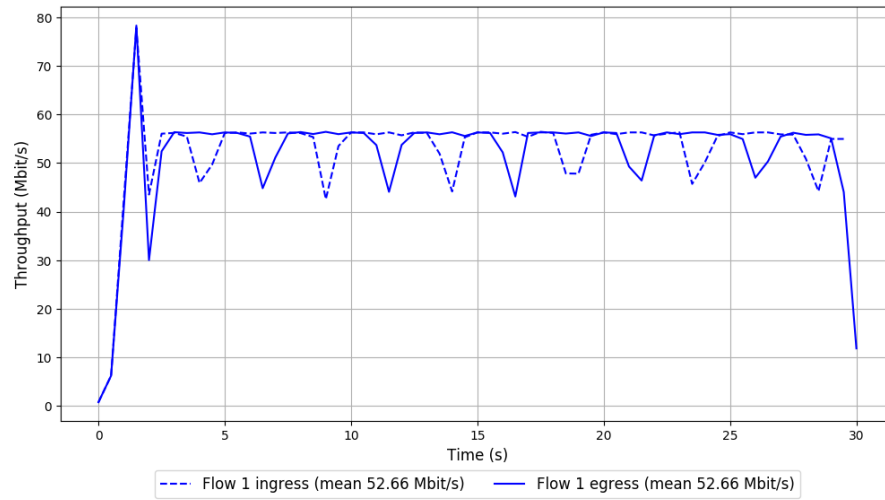
-- Flow 1:

Average throughput: 52.66 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 08:21:28

End at: 2018-04-24 08:21:58

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.80 Mbit/s

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

Loss rate: 0.00%

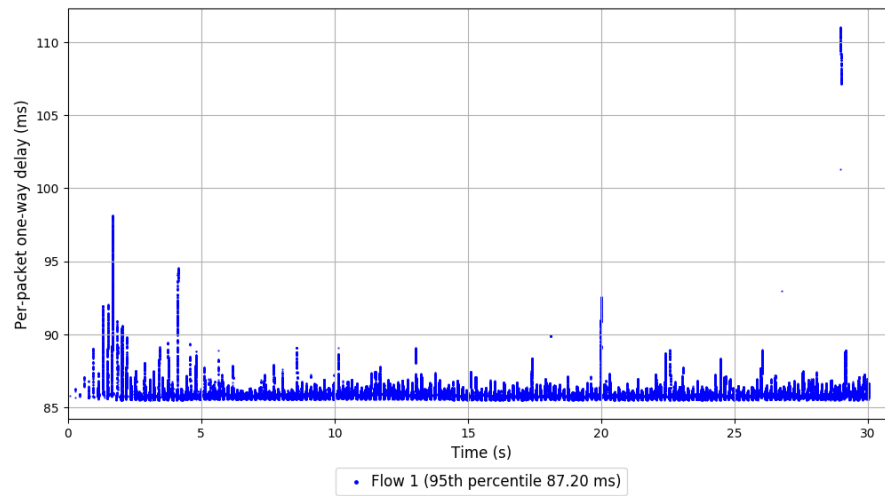
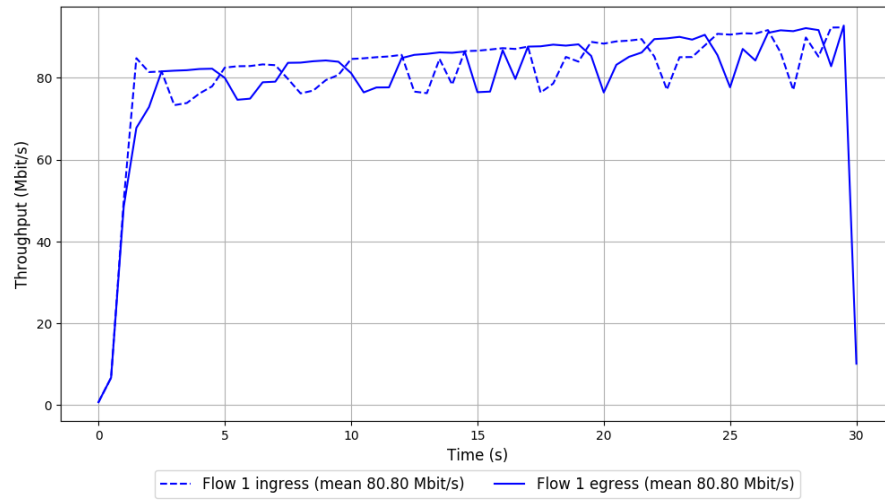
-- Flow 1:

Average throughput: 80.80 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 08:34:39

End at: 2018-04-24 08:35:09

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.74 Mbit/s

95th percentile per-packet one-way delay: 95.021 ms

Loss rate: 0.00%

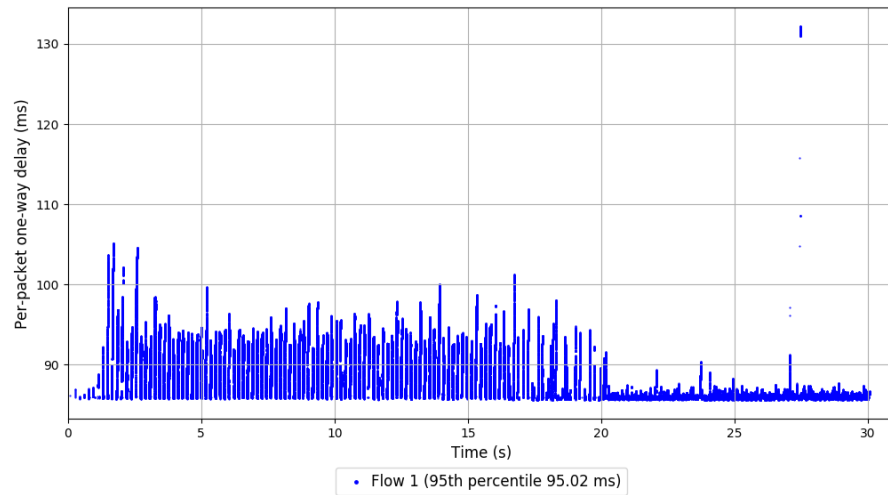
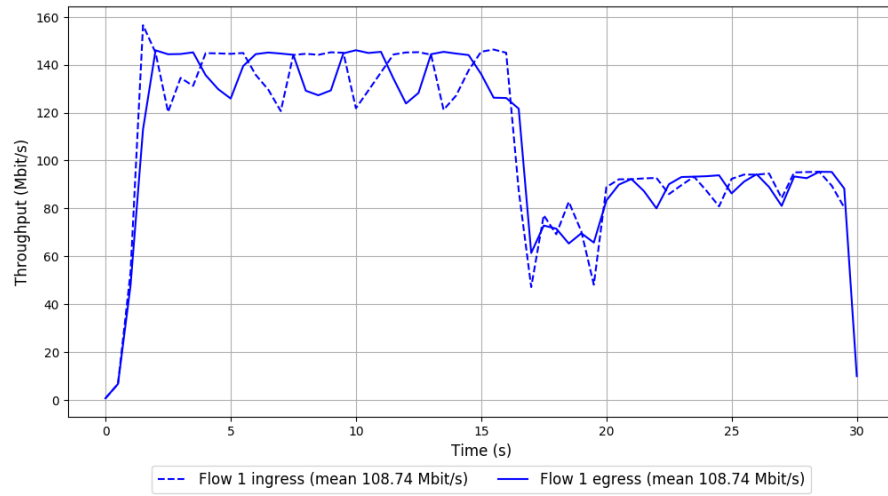
-- Flow 1:

Average throughput: 108.74 Mbit/s

95th percentile per-packet one-way delay: 95.021 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 08:48:21

End at: 2018-04-24 08:48:51

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.22 Mbit/s

95th percentile per-packet one-way delay: 87.874 ms

Loss rate: 0.00%

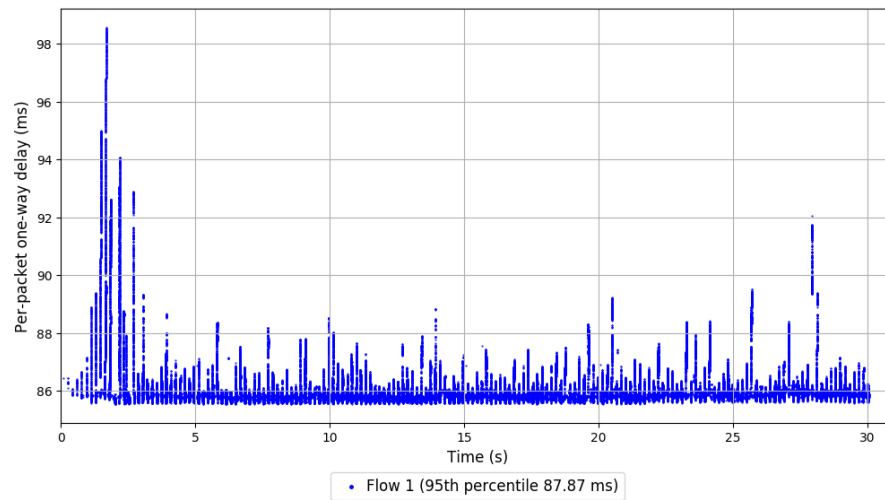
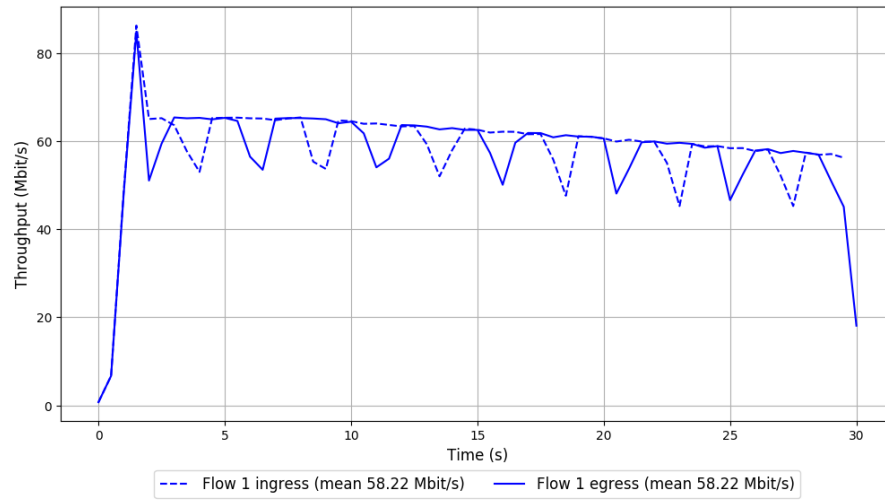
-- Flow 1:

Average throughput: 58.22 Mbit/s

95th percentile per-packet one-way delay: 87.874 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 09:01:34

End at: 2018-04-24 09:02:04

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.19 Mbit/s

95th percentile per-packet one-way delay: 87.157 ms

Loss rate: 0.00%

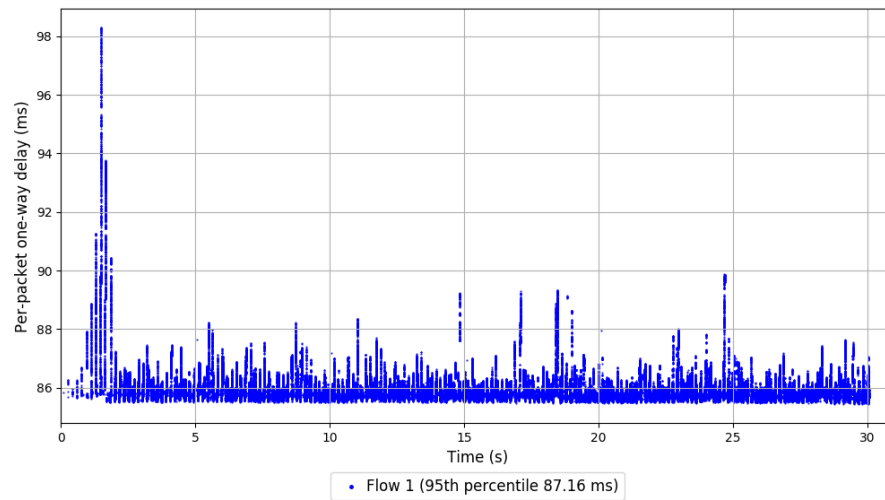
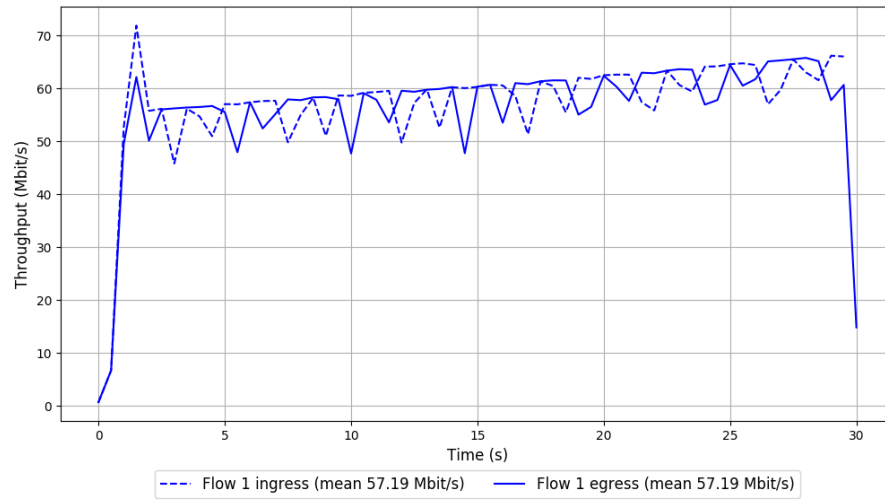
-- Flow 1:

Average throughput: 57.19 Mbit/s

95th percentile per-packet one-way delay: 87.157 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 09:15:16

End at: 2018-04-24 09:15:46

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.97 Mbit/s

95th percentile per-packet one-way delay: 88.163 ms

Loss rate: 0.00%

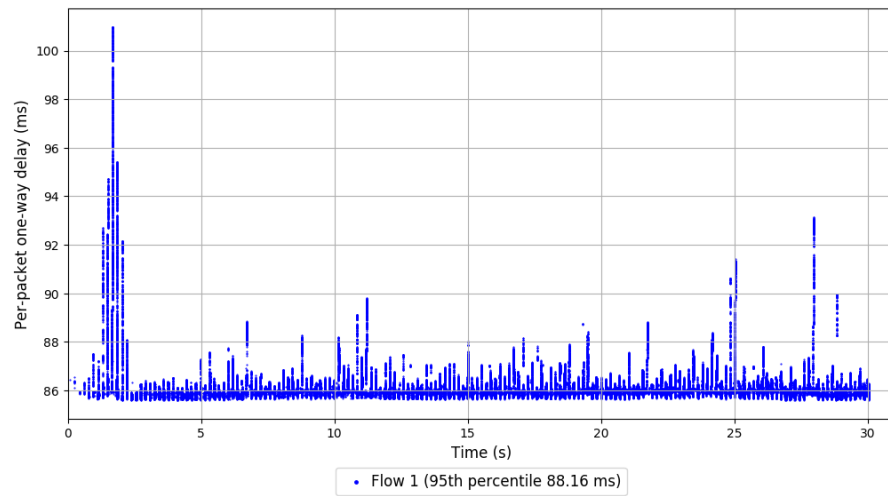
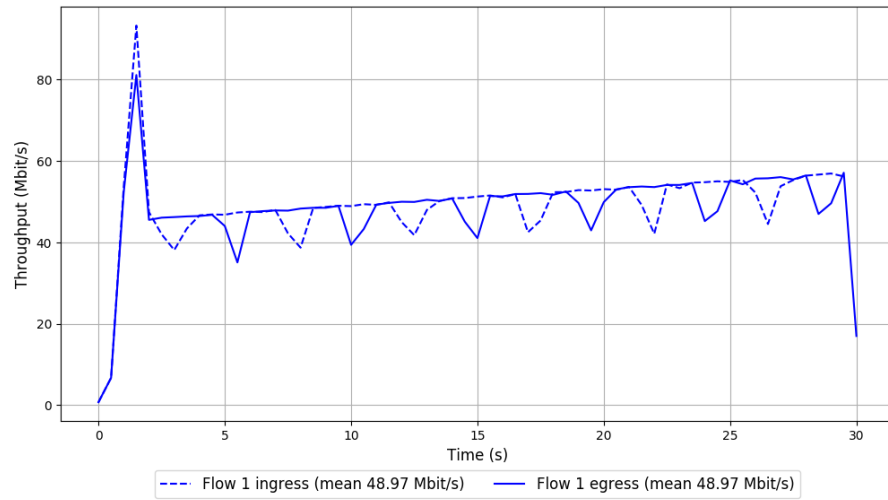
-- Flow 1:

Average throughput: 48.97 Mbit/s

95th percentile per-packet one-way delay: 88.163 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 09:28:51

End at: 2018-04-24 09:29:21

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.96 Mbit/s

95th percentile per-packet one-way delay: 87.023 ms

Loss rate: 0.00%

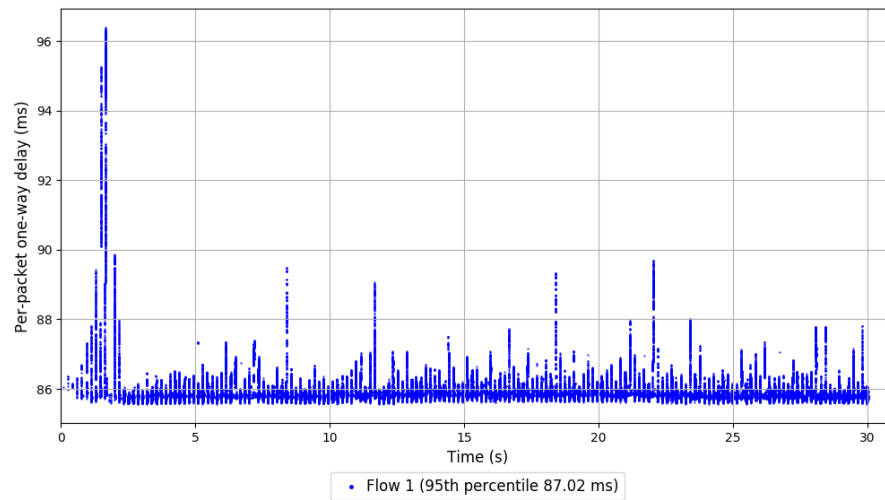
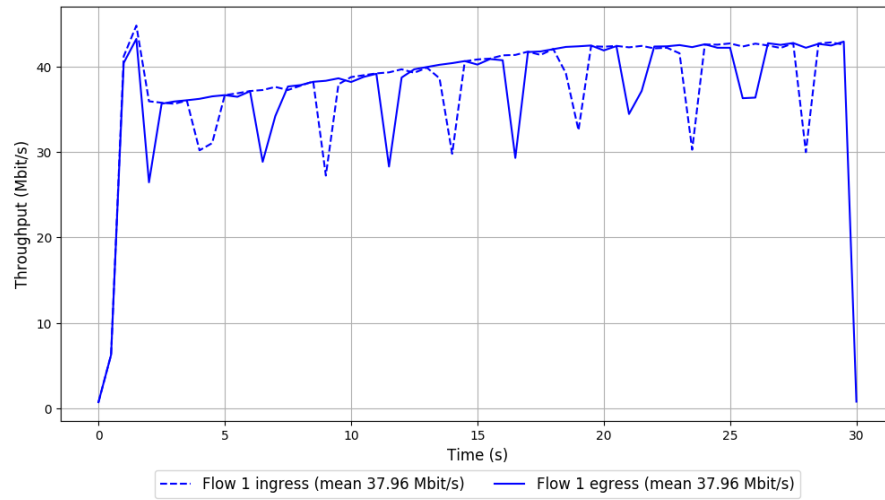
-- Flow 1:

Average throughput: 37.96 Mbit/s

95th percentile per-packet one-way delay: 87.023 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-24 07:24:43

End at: 2018-04-24 07:25:13

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.00 Mbit/s

95th percentile per-packet one-way delay: 110.620 ms

Loss rate: 0.01%

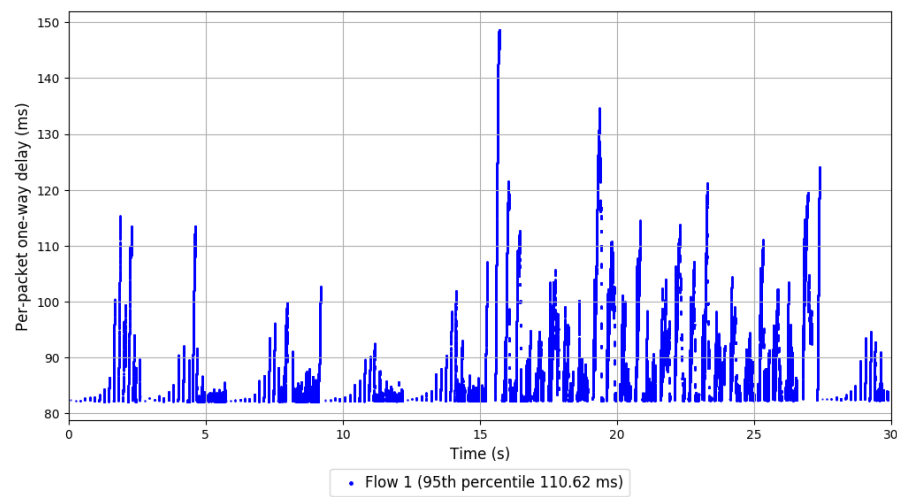
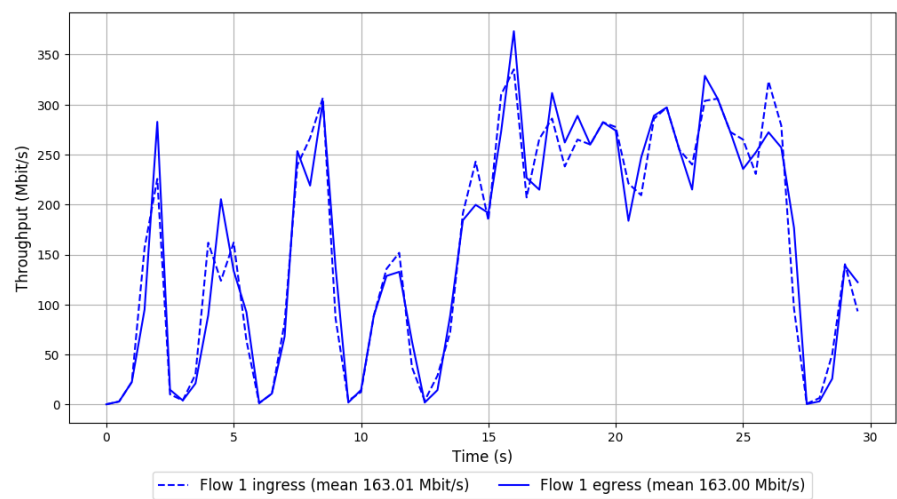
-- Flow 1:

Average throughput: 163.00 Mbit/s

95th percentile per-packet one-way delay: 110.620 ms

Loss rate: 0.01%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-24 07:38:10

End at: 2018-04-24 07:38:40

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.67 Mbit/s

95th percentile per-packet one-way delay: 131.124 ms

Loss rate: 0.00%

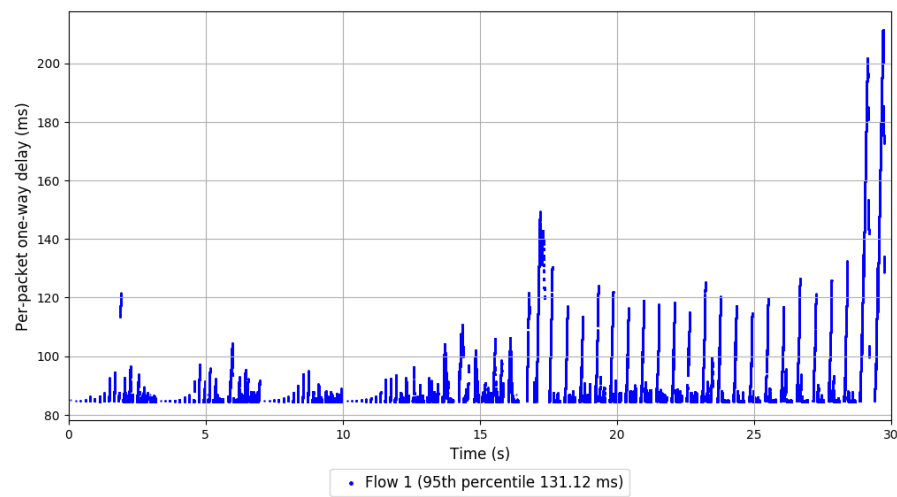
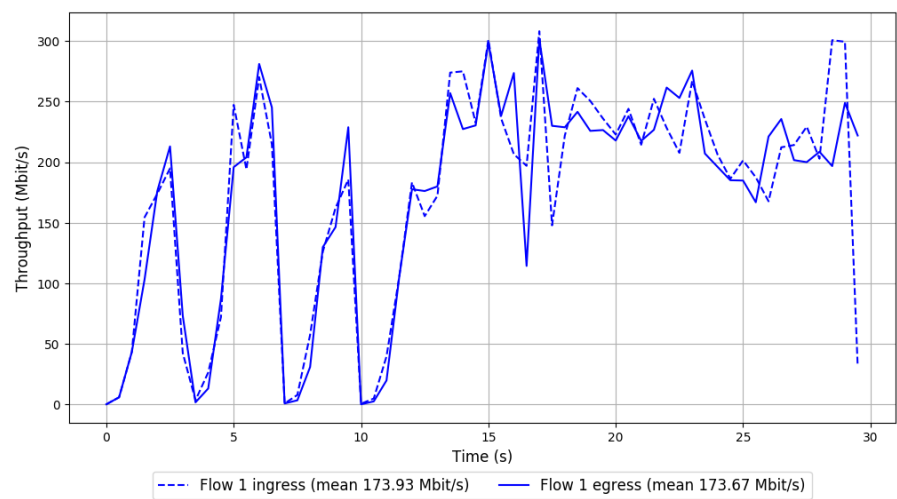
-- Flow 1:

Average throughput: 173.67 Mbit/s

95th percentile per-packet one-way delay: 131.124 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-24 07:51:51

End at: 2018-04-24 07:52:21

Below is generated by plot.py at 2018-04-24 11:17:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.73 Mbit/s

95th percentile per-packet one-way delay: 146.085 ms

Loss rate: 0.15%

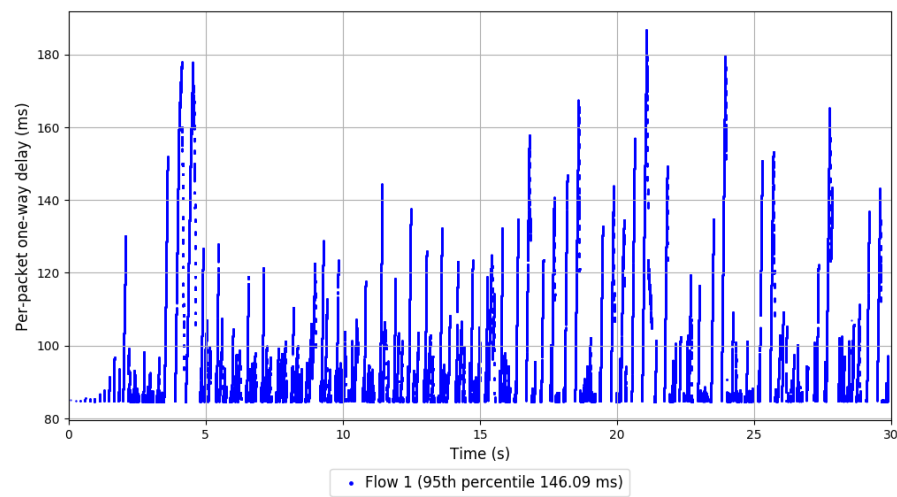
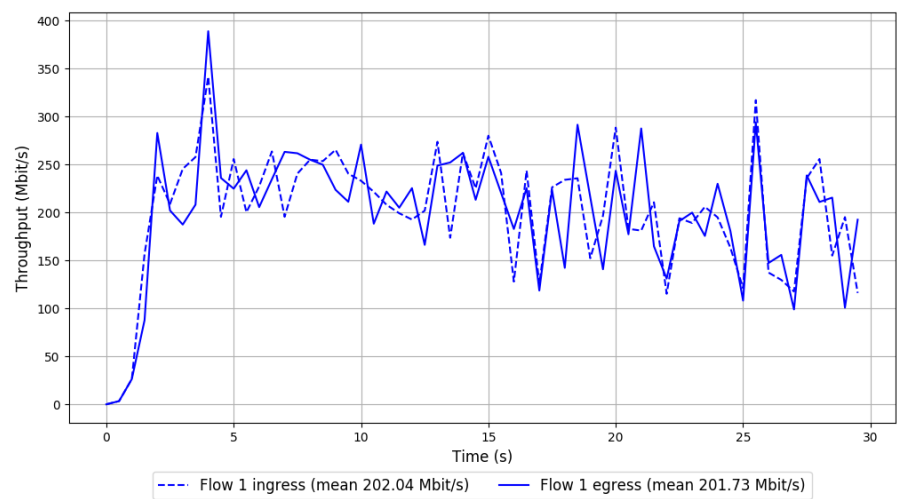
-- Flow 1:

Average throughput: 201.73 Mbit/s

95th percentile per-packet one-way delay: 146.085 ms

Loss rate: 0.15%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-24 08:05:20

End at: 2018-04-24 08:05:50

Below is generated by plot.py at 2018-04-24 11:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.59 Mbit/s

95th percentile per-packet one-way delay: 256.904 ms

Loss rate: 2.39%

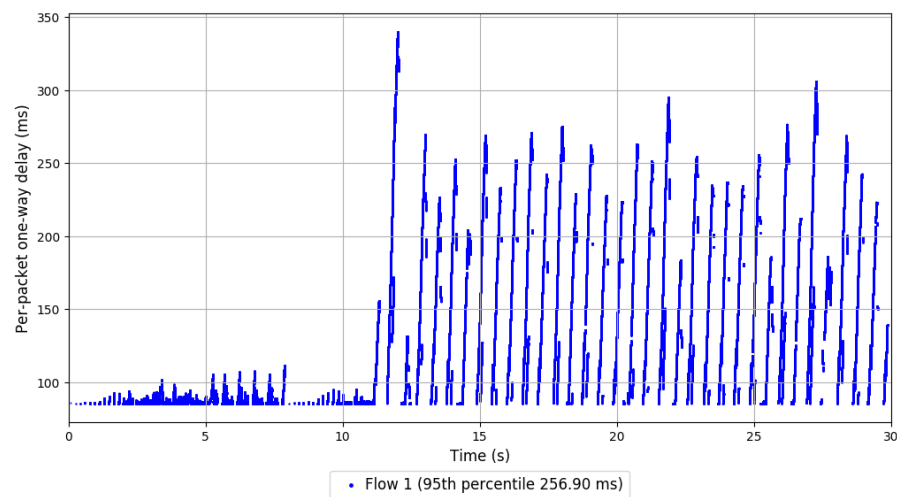
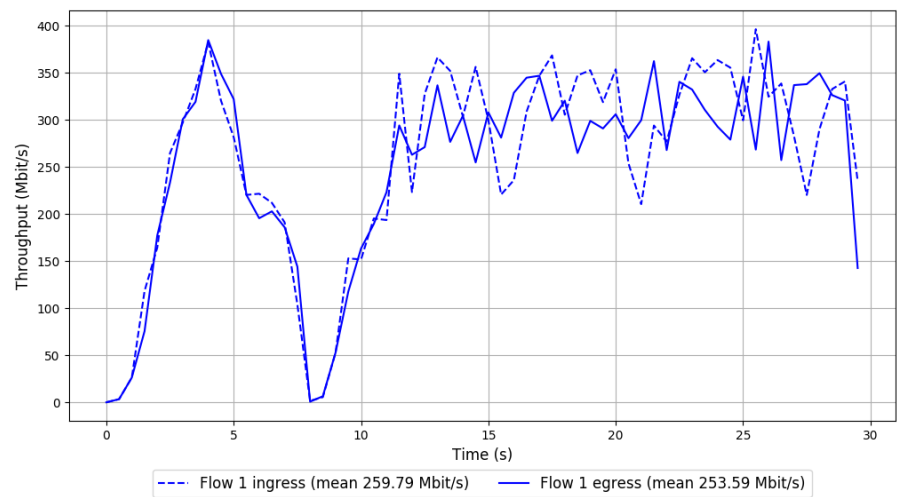
-- Flow 1:

Average throughput: 253.59 Mbit/s

95th percentile per-packet one-way delay: 256.904 ms

Loss rate: 2.39%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-24 08:18:39

End at: 2018-04-24 08:19:09

Below is generated by plot.py at 2018-04-24 11:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.81 Mbit/s

95th percentile per-packet one-way delay: 213.152 ms

Loss rate: 0.65%

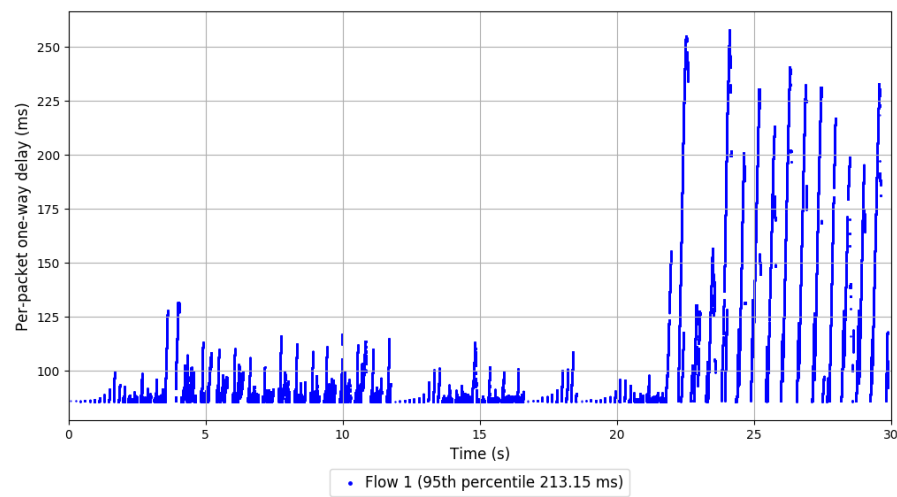
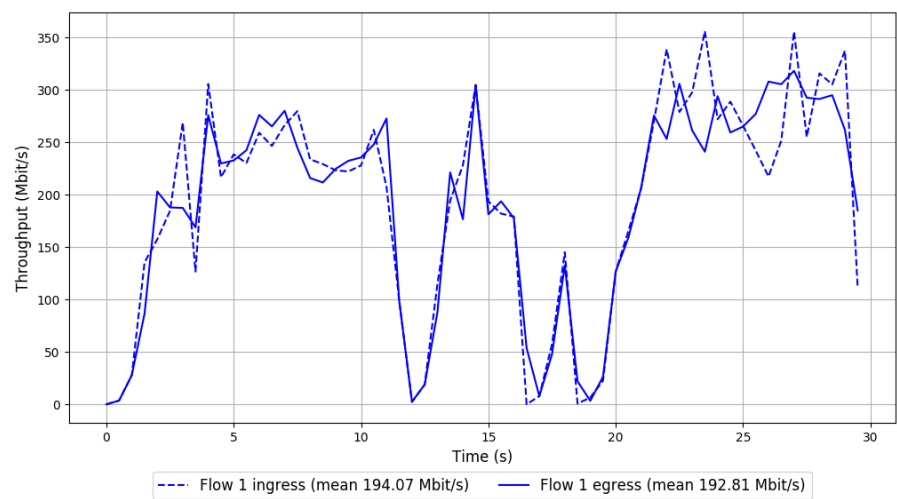
-- Flow 1:

Average throughput: 192.81 Mbit/s

95th percentile per-packet one-way delay: 213.152 ms

Loss rate: 0.65%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-24 08:32:19

End at: 2018-04-24 08:32:49

Below is generated by plot.py at 2018-04-24 11:17:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.93 Mbit/s

95th percentile per-packet one-way delay: 124.691 ms

Loss rate: 0.08%

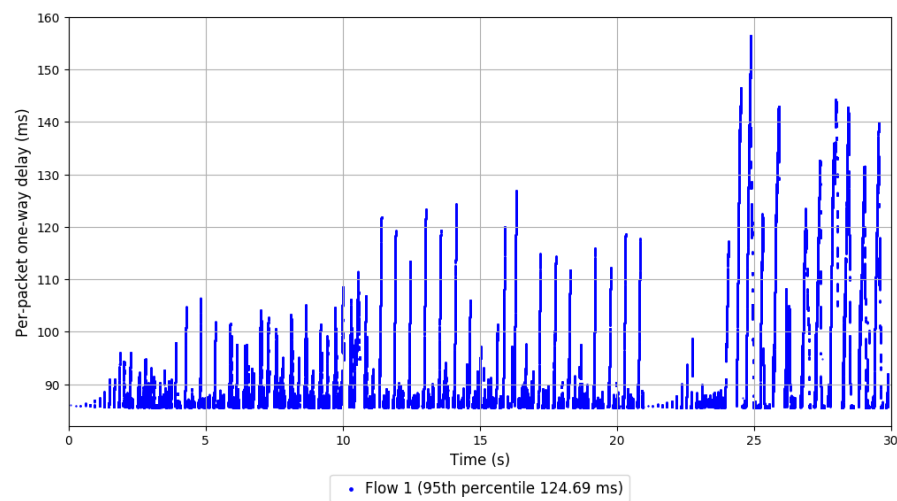
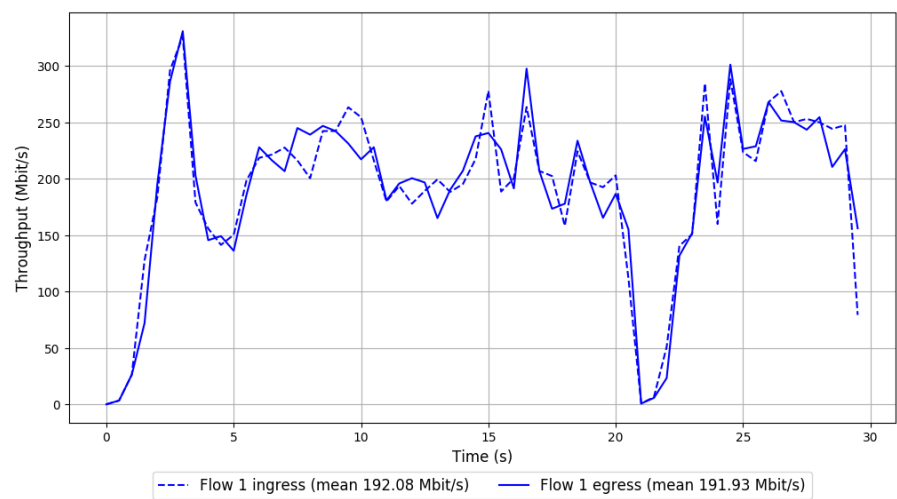
-- Flow 1:

Average throughput: 191.93 Mbit/s

95th percentile per-packet one-way delay: 124.691 ms

Loss rate: 0.08%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-24 08:45:31

End at: 2018-04-24 08:46:01

Below is generated by plot.py at 2018-04-24 11:19:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.49 Mbit/s

95th percentile per-packet one-way delay: 262.031 ms

Loss rate: 1.72%

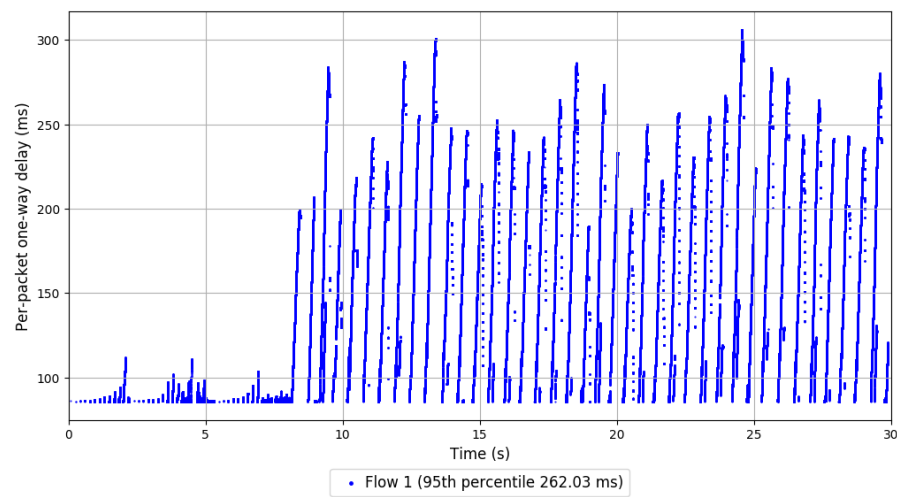
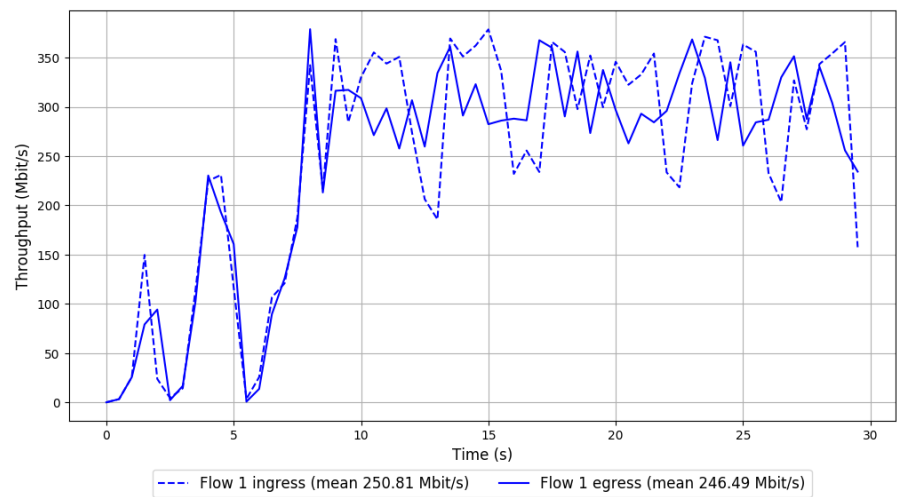
-- Flow 1:

Average throughput: 246.49 Mbit/s

95th percentile per-packet one-way delay: 262.031 ms

Loss rate: 1.72%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 08:59:12

End at: 2018-04-24 08:59:42

Below is generated by plot.py at 2018-04-24 11:19:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.68 Mbit/s

95th percentile per-packet one-way delay: 117.500 ms

Loss rate: 0.00%

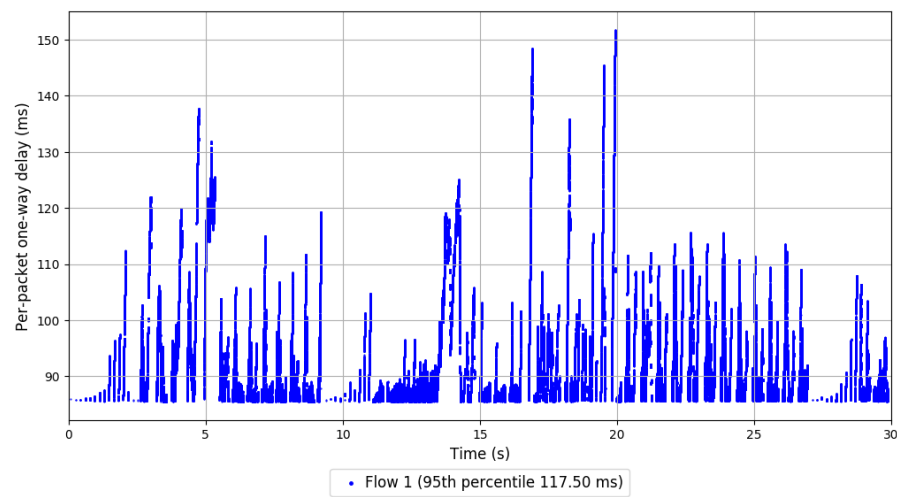
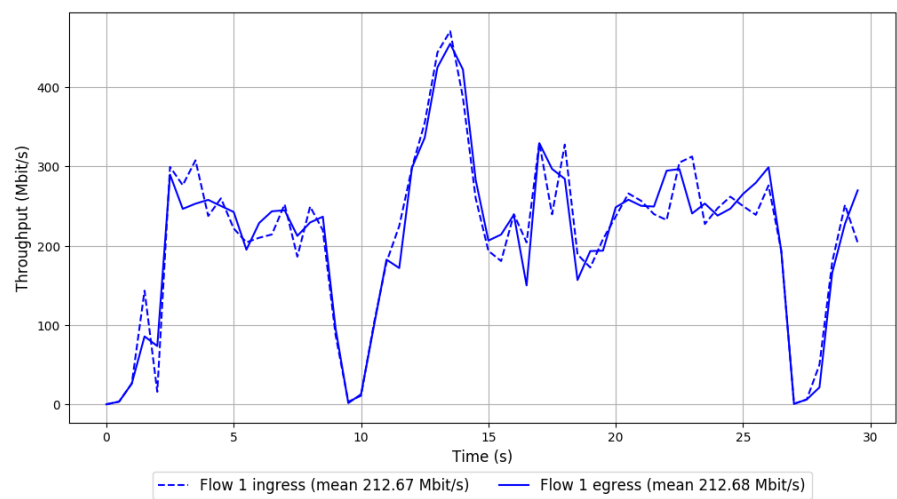
-- Flow 1:

Average throughput: 212.68 Mbit/s

95th percentile per-packet one-way delay: 117.500 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-24 09:12:28

End at: 2018-04-24 09:12:58

Below is generated by plot.py at 2018-04-24 11:20:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.26 Mbit/s

95th percentile per-packet one-way delay: 106.513 ms

Loss rate: 0.00%

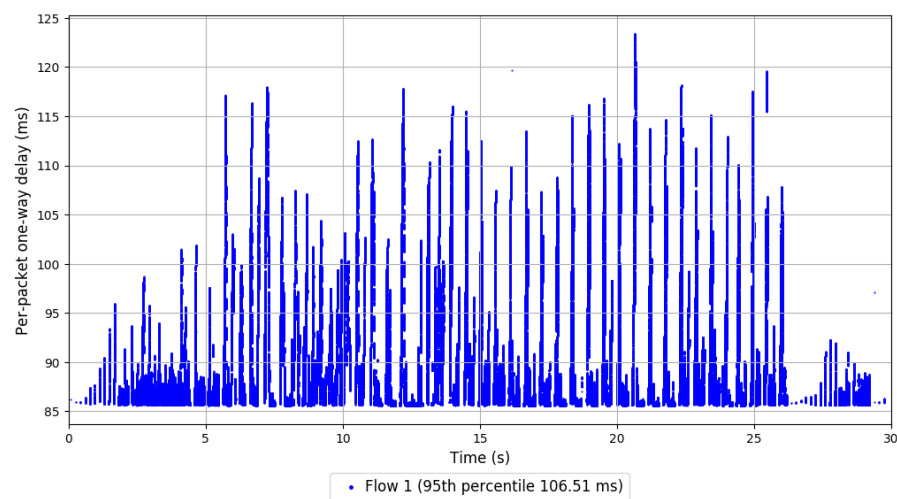
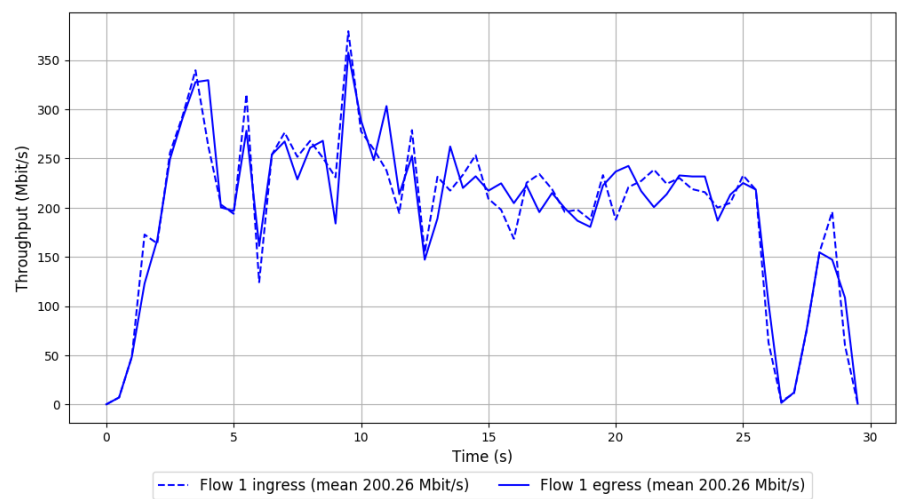
-- Flow 1:

Average throughput: 200.26 Mbit/s

95th percentile per-packet one-way delay: 106.513 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-24 09:25:59

End at: 2018-04-24 09:26:29

Below is generated by plot.py at 2018-04-24 11:20:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.55 Mbit/s

95th percentile per-packet one-way delay: 161.951 ms

Loss rate: 0.00%

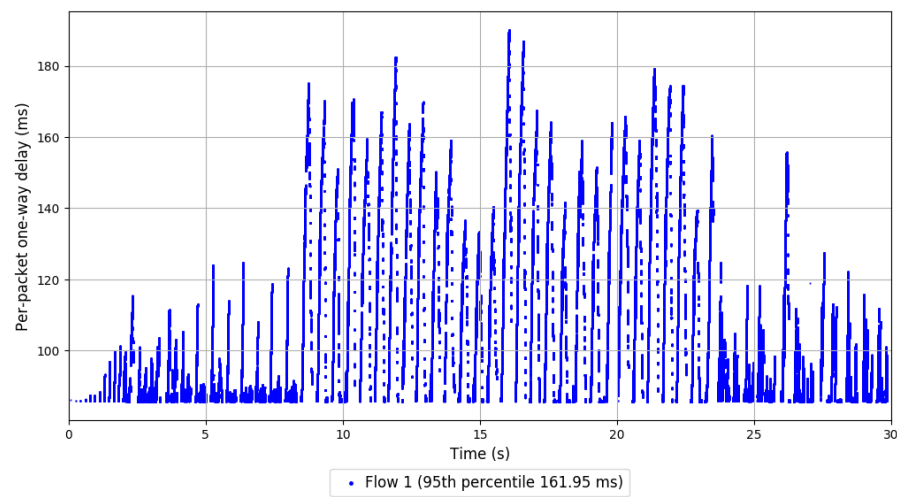
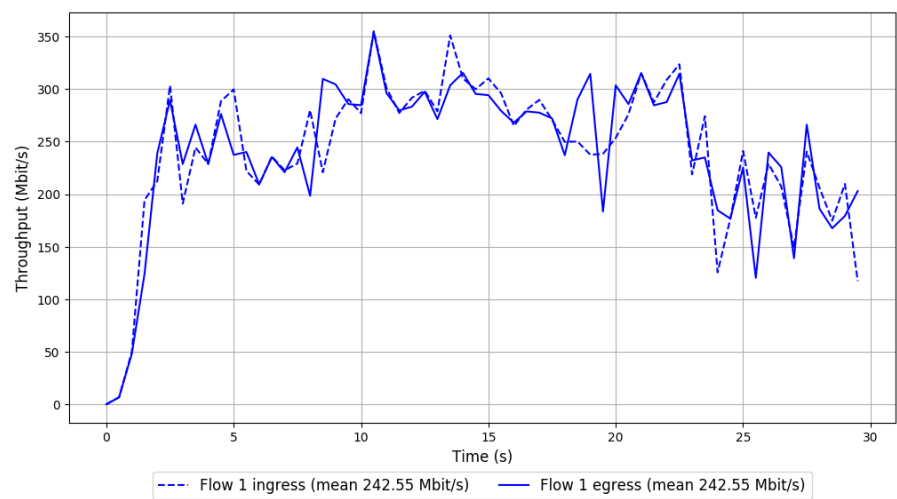
-- Flow 1:

Average throughput: 242.55 Mbit/s

95th percentile per-packet one-way delay: 161.951 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-24 07:35:31

End at: 2018-04-24 07:36:01

Below is generated by plot.py at 2018-04-24 11:20:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.95 Mbit/s

95th percentile per-packet one-way delay: 84.491 ms

Loss rate: 0.00%

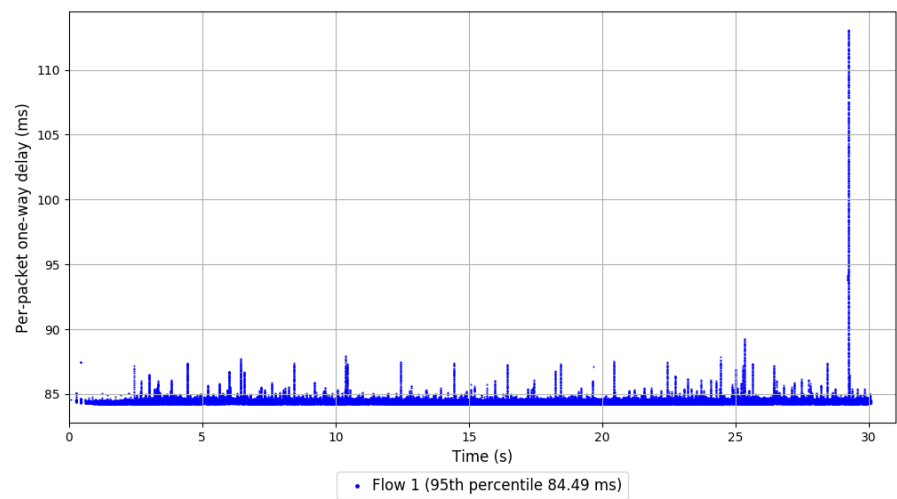
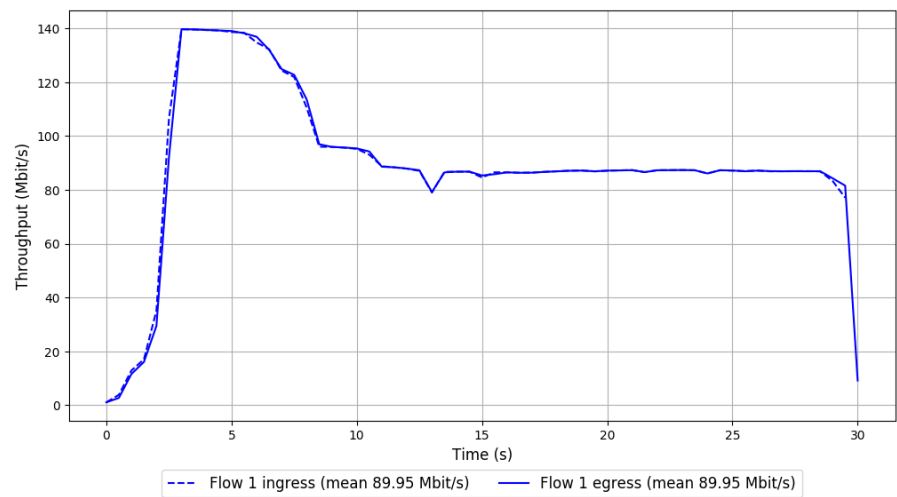
-- Flow 1:

Average throughput: 89.95 Mbit/s

95th percentile per-packet one-way delay: 84.491 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-24 07:49:08

End at: 2018-04-24 07:49:38

Below is generated by plot.py at 2018-04-24 11:20:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 85.323 ms

Loss rate: 0.00%

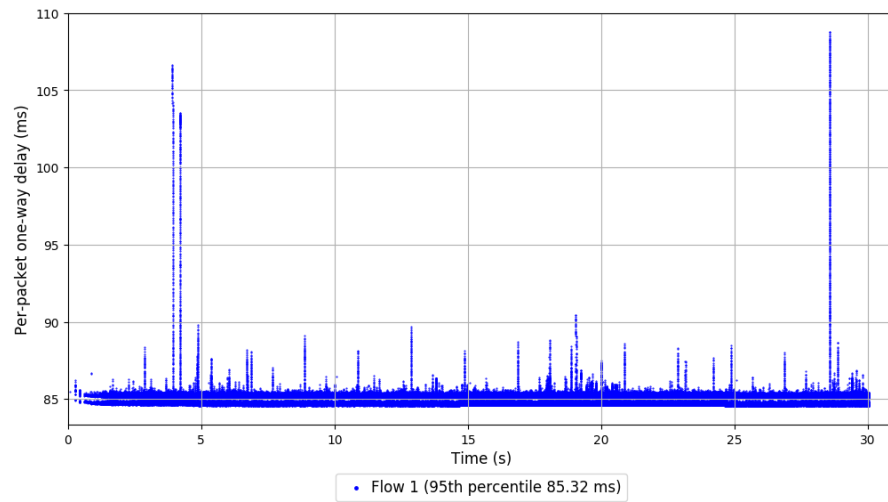
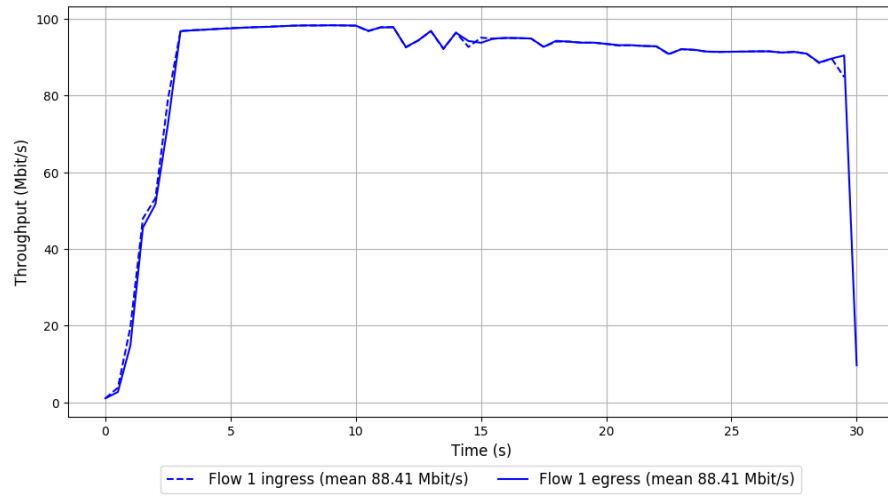
-- Flow 1:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 85.323 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-24 08:02:36

End at: 2018-04-24 08:03:06

Below is generated by plot.py at 2018-04-24 11:20:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 86.023 ms

Loss rate: 0.00%

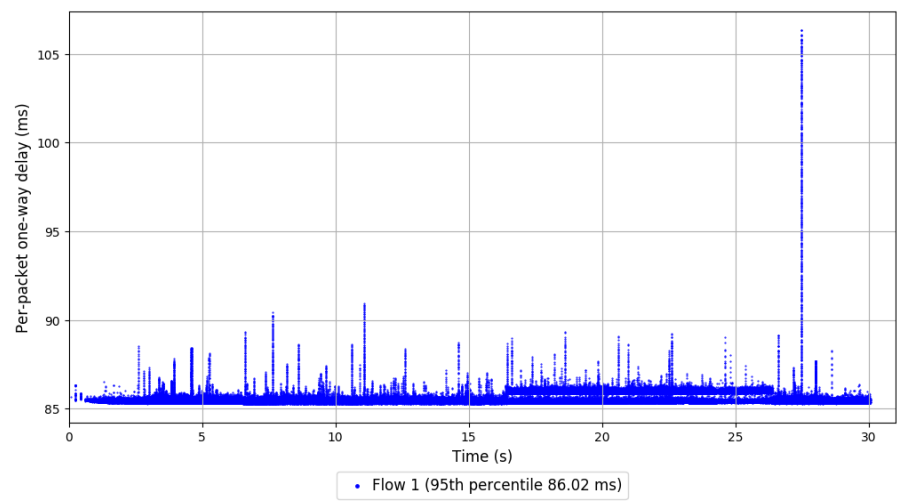
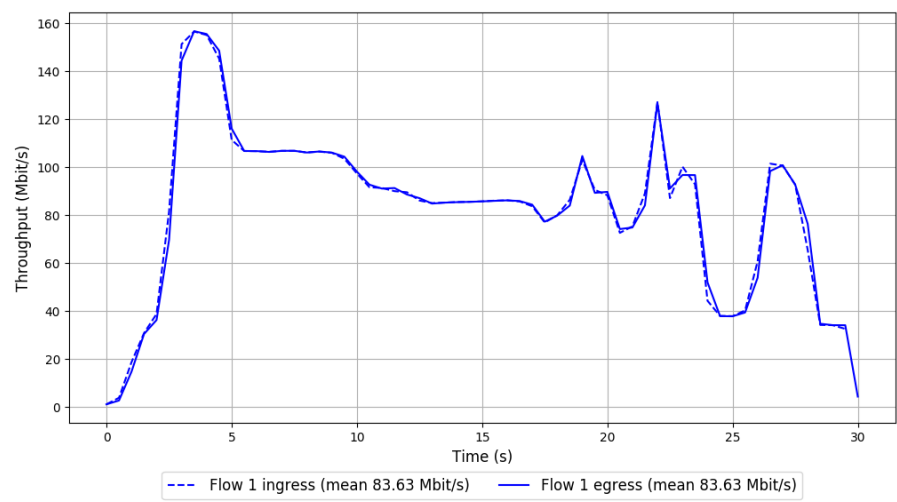
-- Flow 1:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 86.023 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-24 08:16:00

End at: 2018-04-24 08:16:30

Below is generated by plot.py at 2018-04-24 11:20:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.93 Mbit/s

95th percentile per-packet one-way delay: 85.758 ms

Loss rate: 0.00%

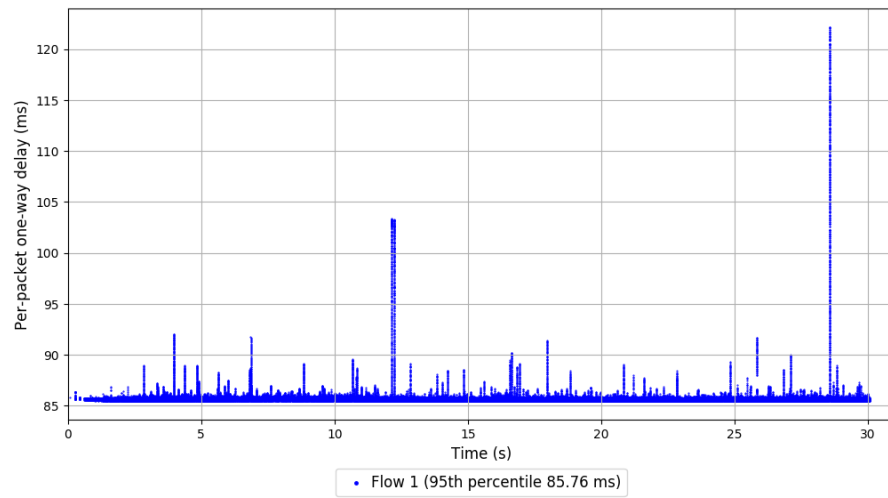
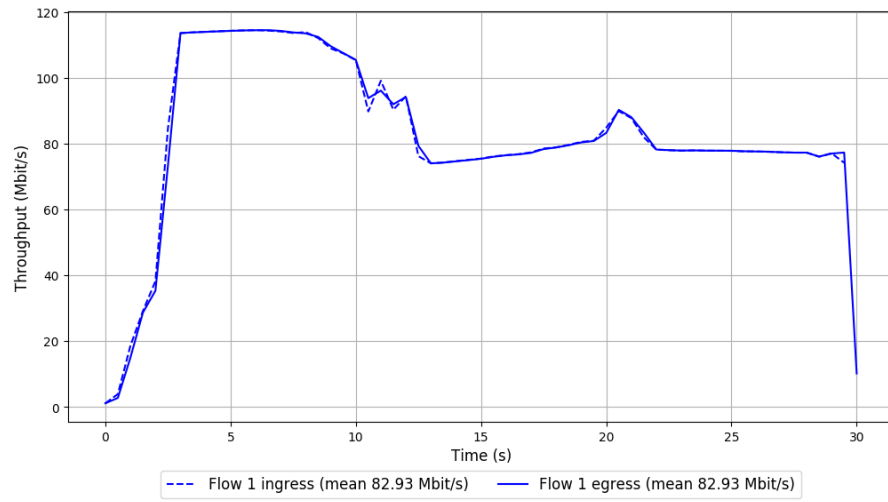
-- Flow 1:

Average throughput: 82.93 Mbit/s

95th percentile per-packet one-way delay: 85.758 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-24 08:29:41

End at: 2018-04-24 08:30:11

Below is generated by plot.py at 2018-04-24 11:22:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.07 Mbit/s

95th percentile per-packet one-way delay: 86.198 ms

Loss rate: 0.00%

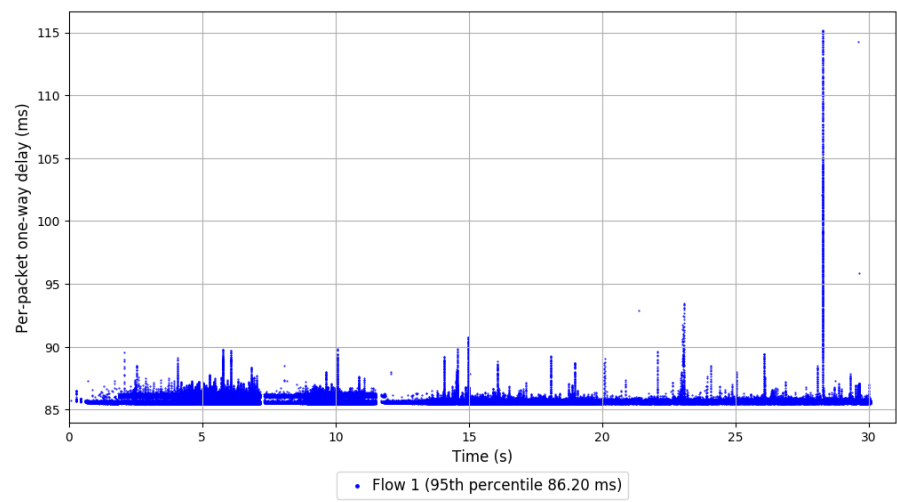
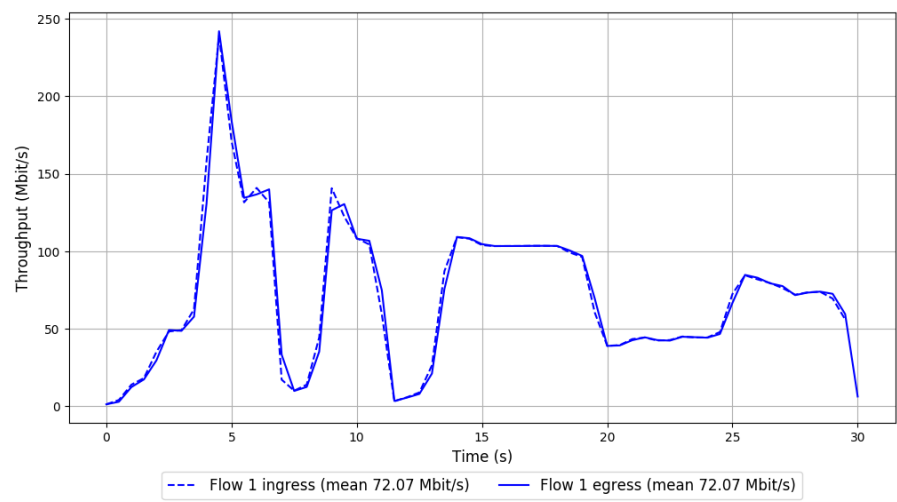
-- Flow 1:

Average throughput: 72.07 Mbit/s

95th percentile per-packet one-way delay: 86.198 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-24 08:42:52

End at: 2018-04-24 08:43:23

Below is generated by plot.py at 2018-04-24 11:22:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 85.965 ms

Loss rate: 0.00%

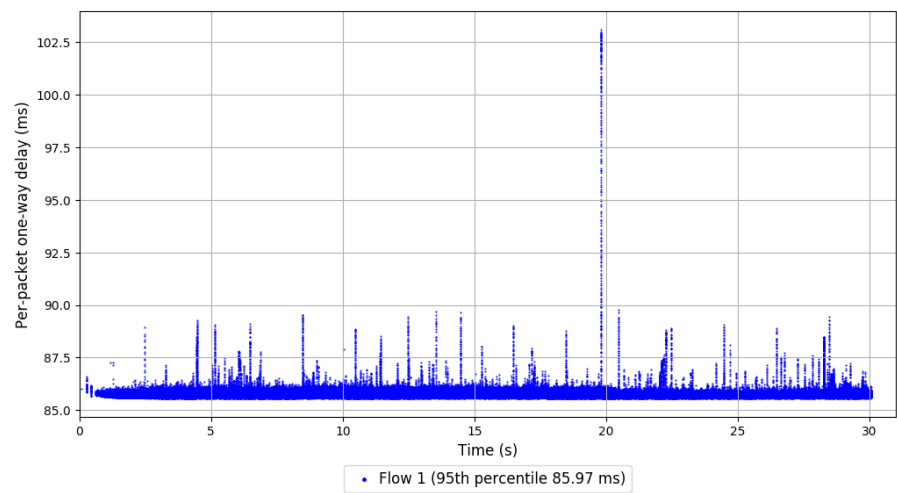
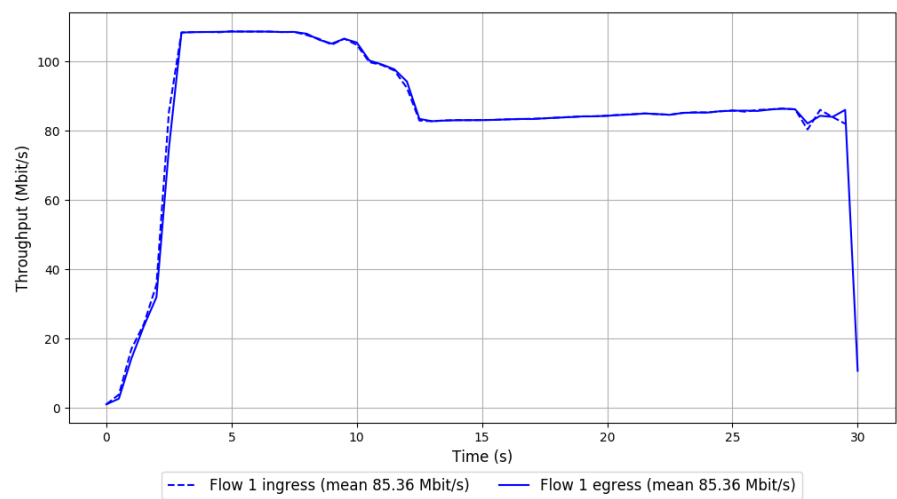
-- Flow 1:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 85.965 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-24 08:56:30

End at: 2018-04-24 08:57:00

Below is generated by plot.py at 2018-04-24 11:22:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.33 Mbit/s

95th percentile per-packet one-way delay: 86.144 ms

Loss rate: 0.00%

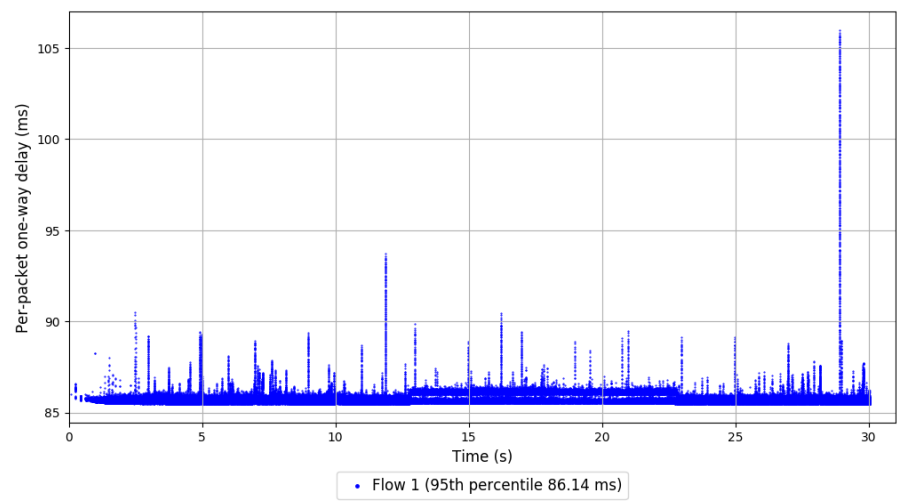
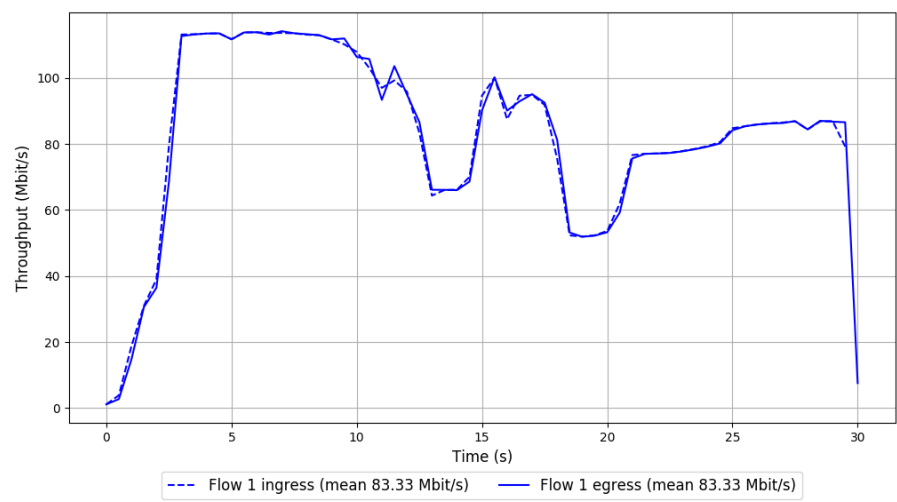
-- Flow 1:

Average throughput: 83.33 Mbit/s

95th percentile per-packet one-way delay: 86.144 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 09:09:44

End at: 2018-04-24 09:10:14

Below is generated by plot.py at 2018-04-24 11:22:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.58 Mbit/s

95th percentile per-packet one-way delay: 85.873 ms

Loss rate: 0.00%

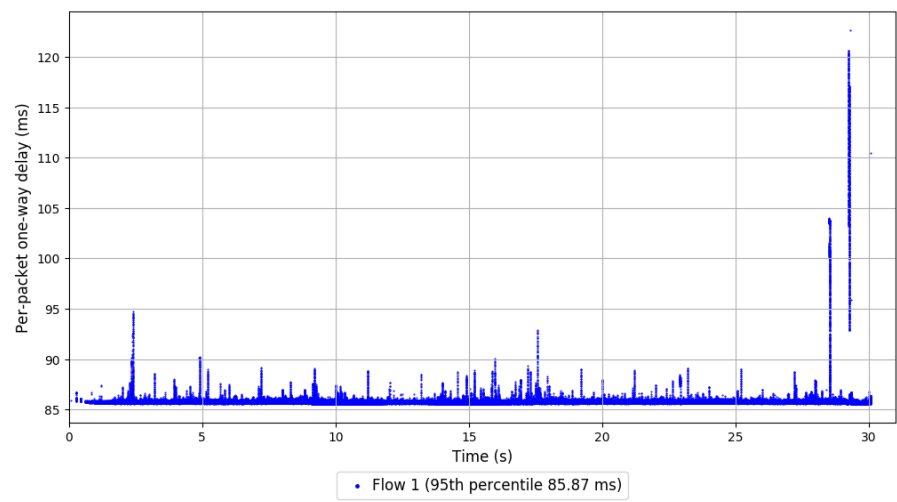
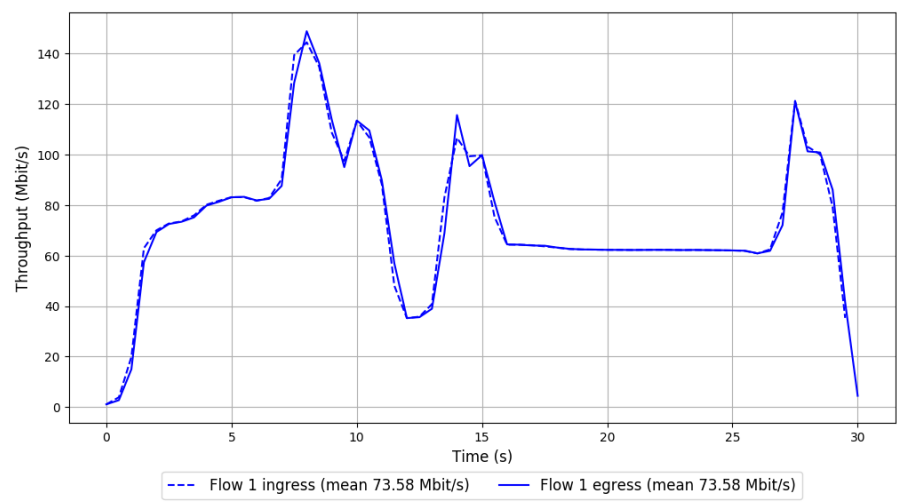
-- Flow 1:

Average throughput: 73.58 Mbit/s

95th percentile per-packet one-way delay: 85.873 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-24 09:23:23

End at: 2018-04-24 09:23:53

Below is generated by plot.py at 2018-04-24 11:22:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 86.286 ms

Loss rate: 0.00%

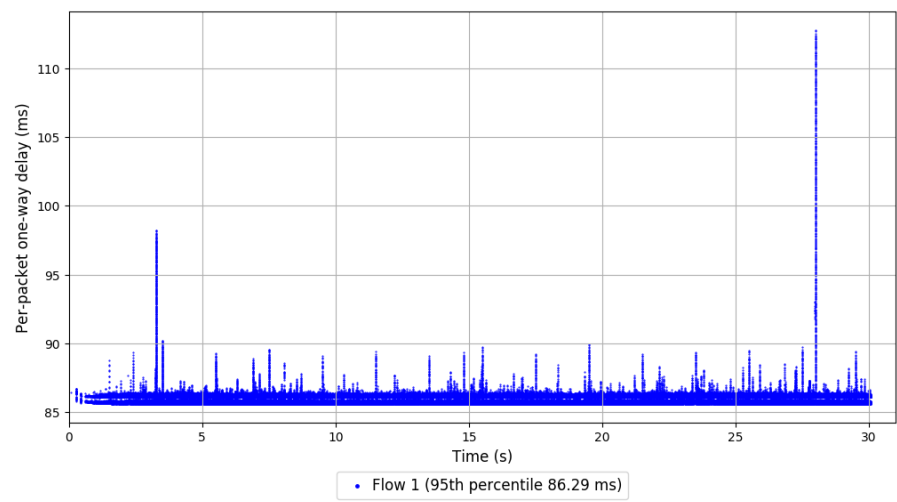
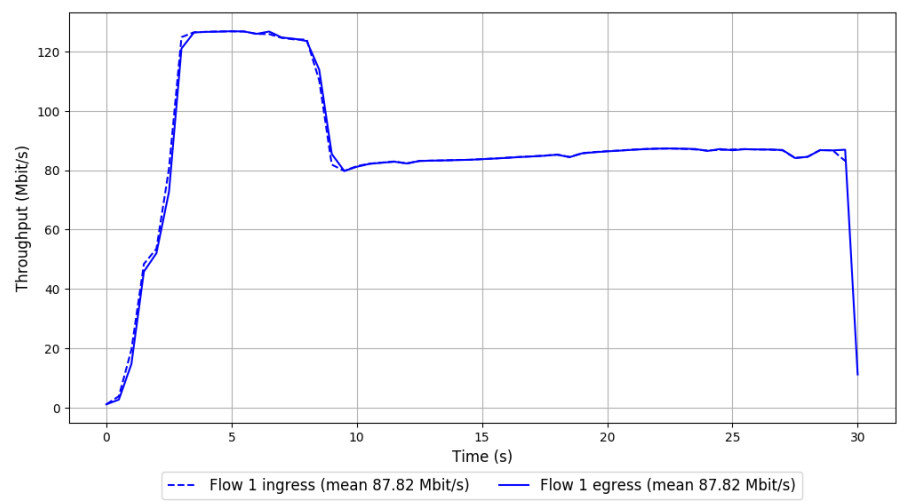
-- Flow 1:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 86.286 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 09:37:01

End at: 2018-04-24 09:37:31

Below is generated by plot.py at 2018-04-24 11:22:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.47 Mbit/s

95th percentile per-packet one-way delay: 86.304 ms

Loss rate: 0.00%

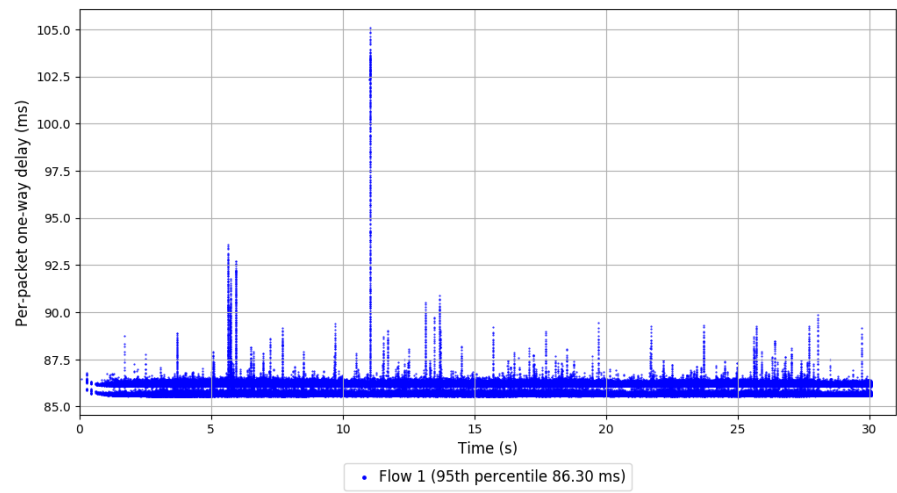
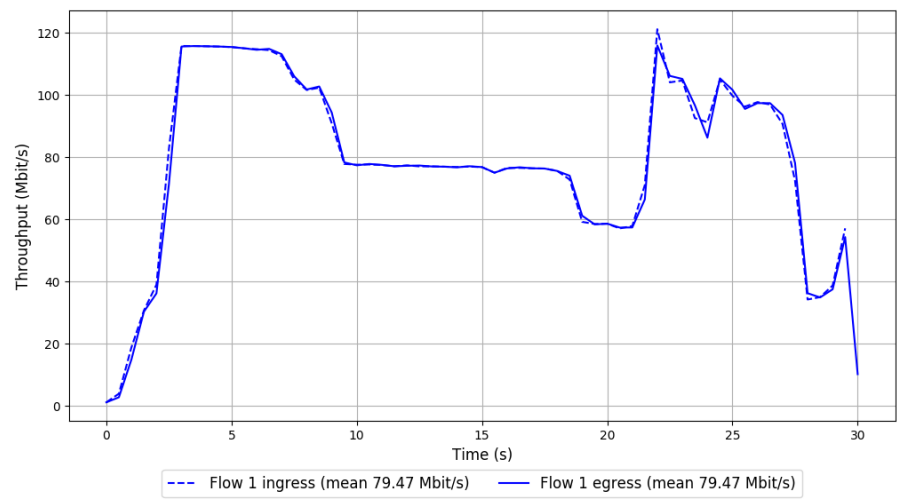
-- Flow 1:

Average throughput: 79.47 Mbit/s

95th percentile per-packet one-way delay: 86.304 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-04-24 07:26:20

End at: 2018-04-24 07:26:50

Below is generated by plot.py at 2018-04-24 11:35:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 791.11 Mbit/s

95th percentile per-packet one-way delay: 282.416 ms

Loss rate: 2.12%

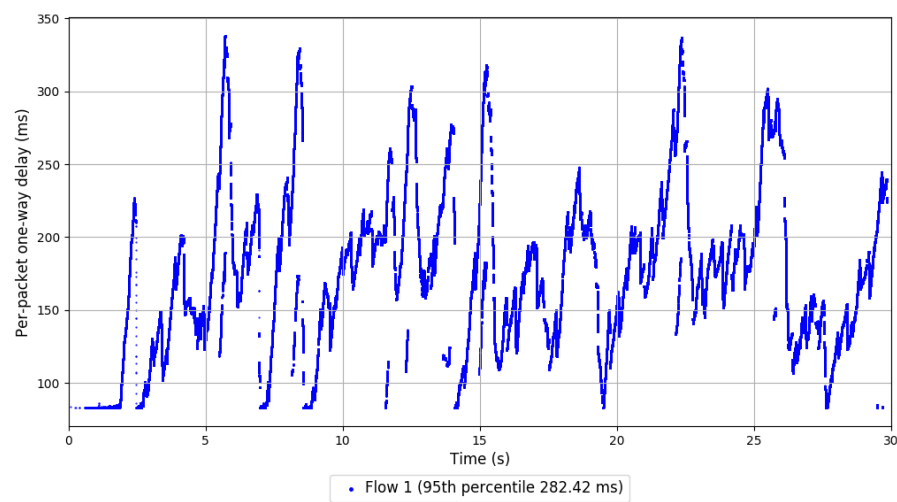
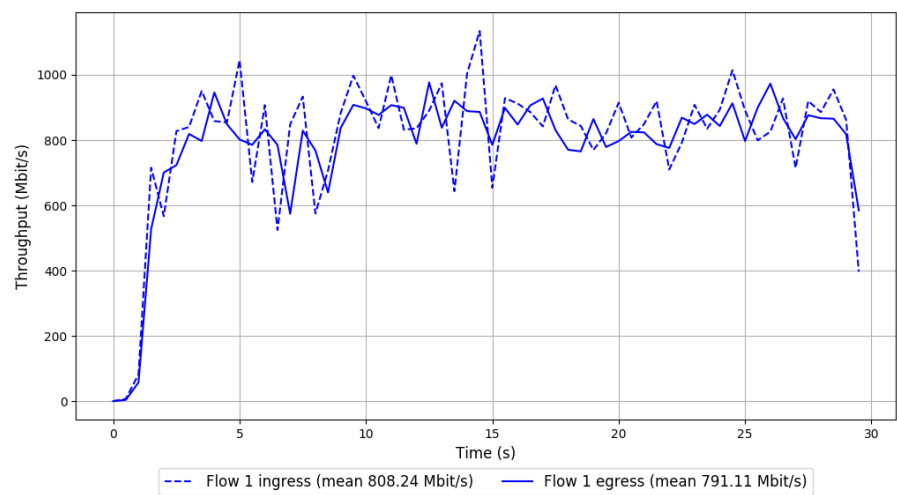
-- Flow 1:

Average throughput: 791.11 Mbit/s

95th percentile per-packet one-way delay: 282.416 ms

Loss rate: 2.12%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-24 07:39:47

End at: 2018-04-24 07:40:17

Below is generated by plot.py at 2018-04-24 11:35:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 765.20 Mbit/s

95th percentile per-packet one-way delay: 322.711 ms

Loss rate: 4.17%

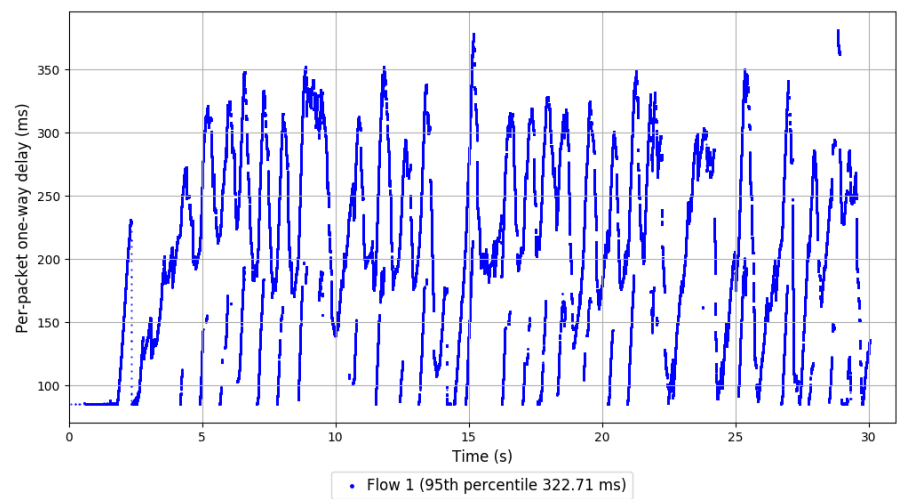
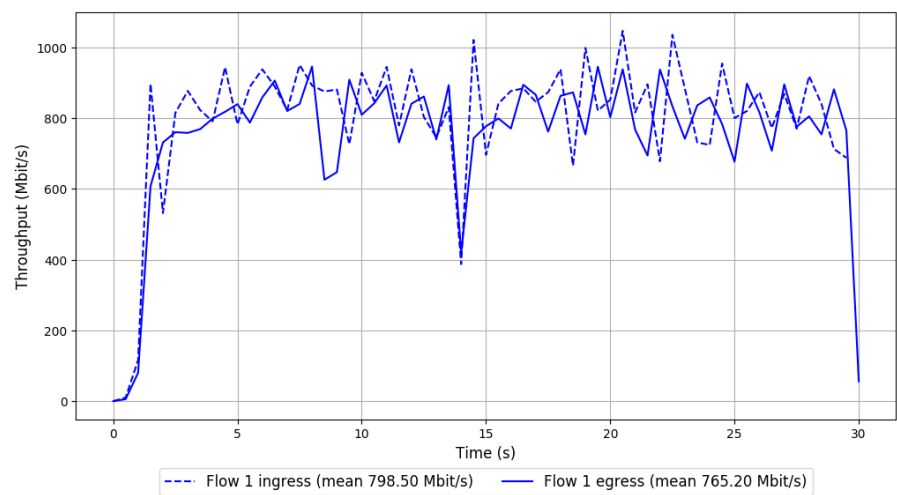
-- Flow 1:

Average throughput: 765.20 Mbit/s

95th percentile per-packet one-way delay: 322.711 ms

Loss rate: 4.17%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-24 07:53:30

End at: 2018-04-24 07:54:00

Below is generated by plot.py at 2018-04-24 11:35:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 358.01 Mbit/s

95th percentile per-packet one-way delay: 342.963 ms

Loss rate: 5.50%

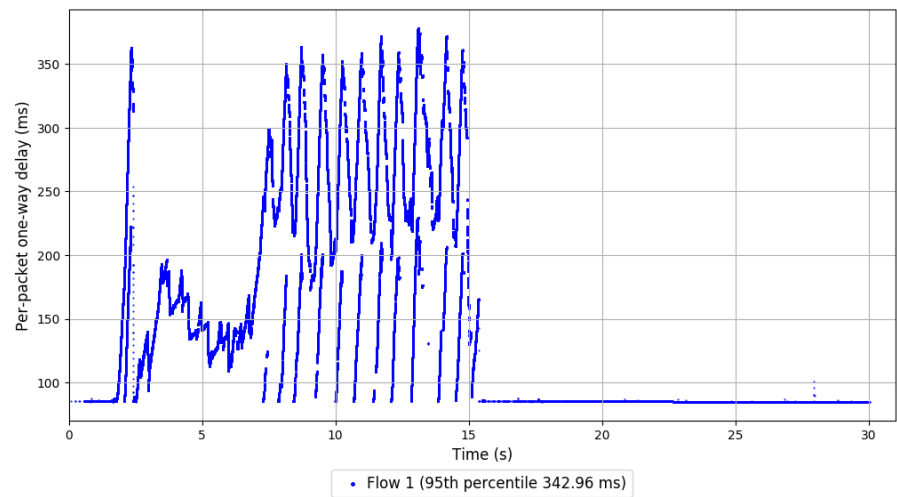
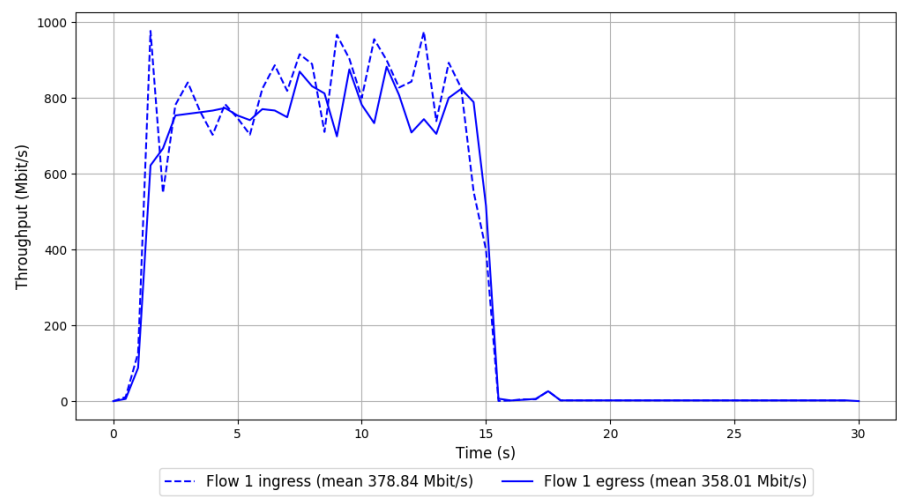
-- Flow 1:

Average throughput: 358.01 Mbit/s

95th percentile per-packet one-way delay: 342.963 ms

Loss rate: 5.50%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-24 08:07:03

End at: 2018-04-24 08:07:33

Below is generated by plot.py at 2018-04-24 11:35:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.01 Mbit/s

95th percentile per-packet one-way delay: 325.455 ms

Loss rate: 1.72%

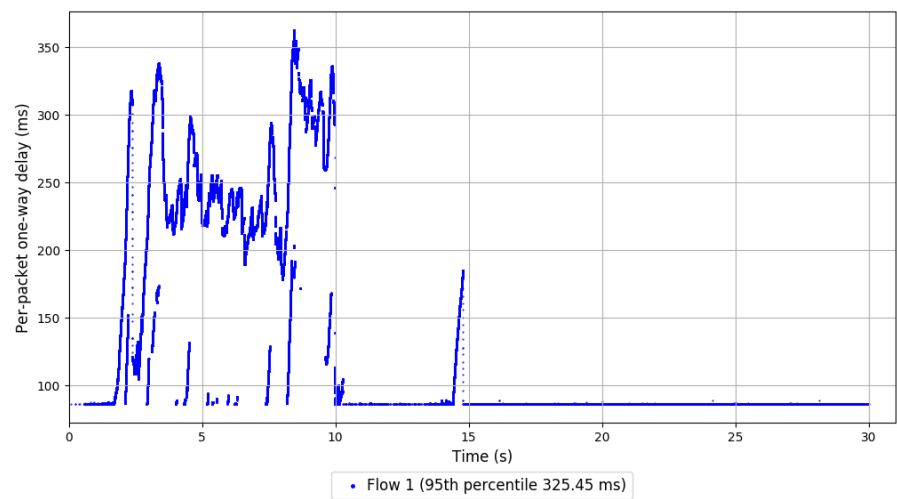
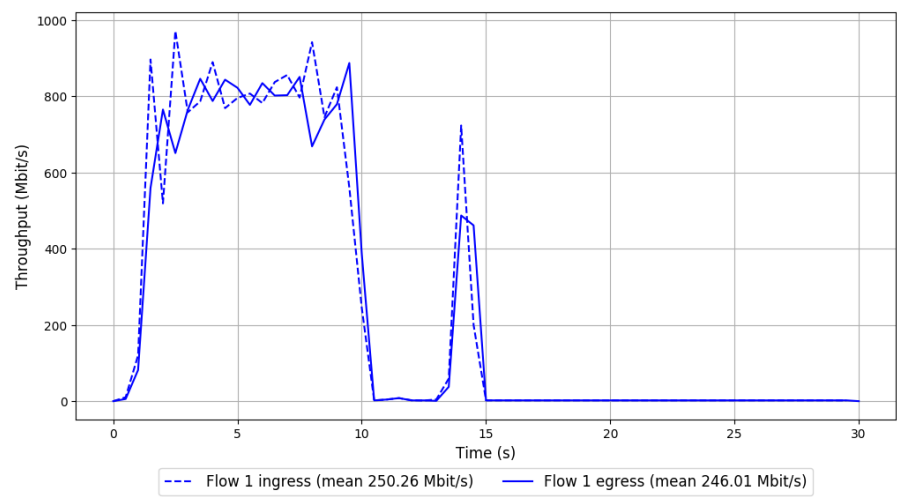
-- Flow 1:

Average throughput: 246.01 Mbit/s

95th percentile per-packet one-way delay: 325.455 ms

Loss rate: 1.72%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-24 08:20:17

End at: 2018-04-24 08:20:47

Below is generated by plot.py at 2018-04-24 11:36:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 779.82 Mbit/s

95th percentile per-packet one-way delay: 320.401 ms

Loss rate: 6.04%

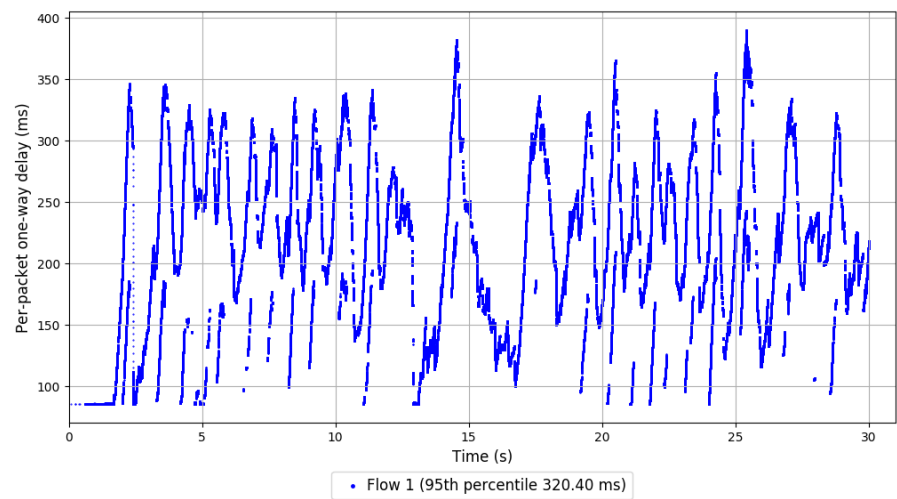
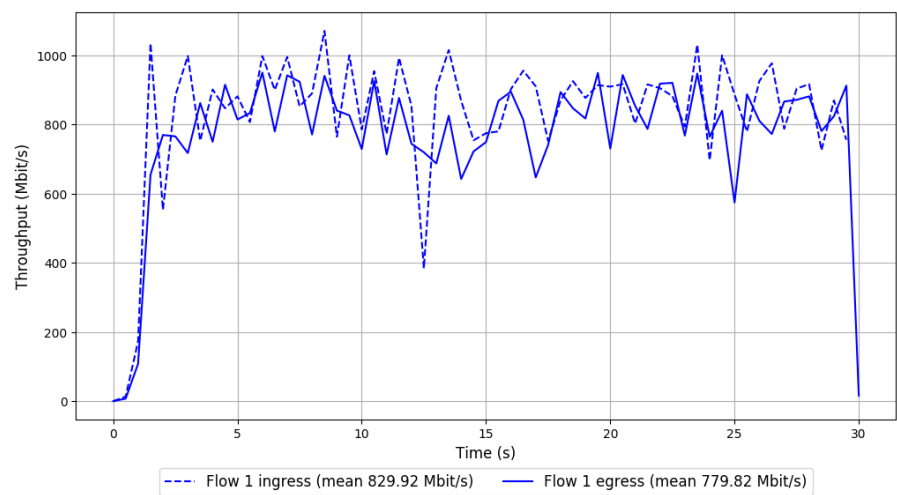
-- Flow 1:

Average throughput: 779.82 Mbit/s

95th percentile per-packet one-way delay: 320.401 ms

Loss rate: 6.04%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 08:33:57

End at: 2018-04-24 08:34:27

Below is generated by plot.py at 2018-04-24 11:36:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.80 Mbit/s

95th percentile per-packet one-way delay: 328.003 ms

Loss rate: 1.60%

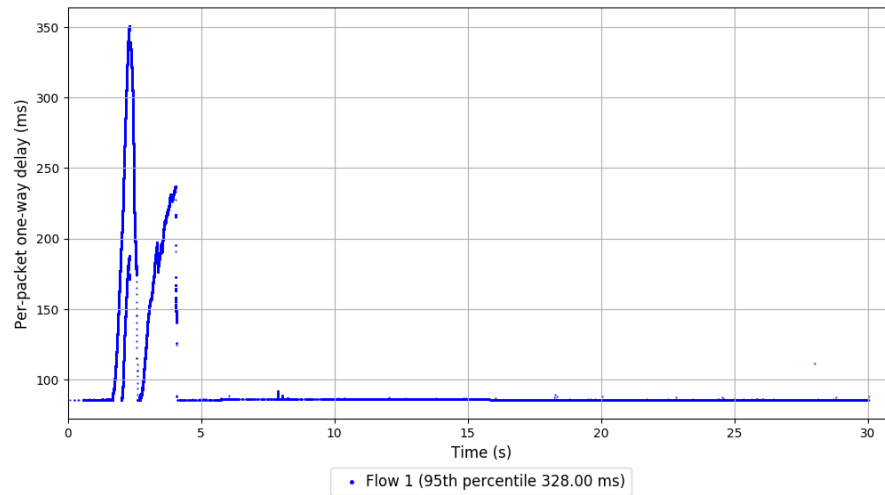
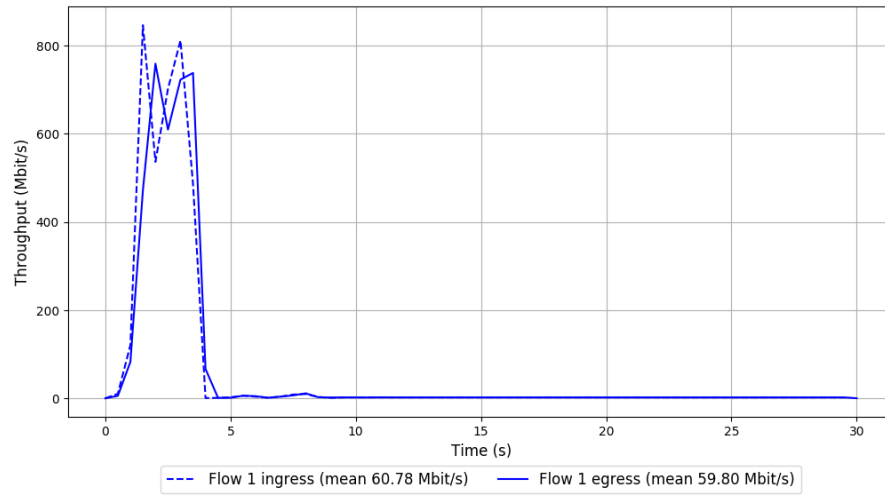
-- Flow 1:

Average throughput: 59.80 Mbit/s

95th percentile per-packet one-way delay: 328.003 ms

Loss rate: 1.60%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-24 08:47:13

End at: 2018-04-24 08:47:43

Below is generated by plot.py at 2018-04-24 11:36:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 721.36 Mbit/s

95th percentile per-packet one-way delay: 308.699 ms

Loss rate: 1.96%

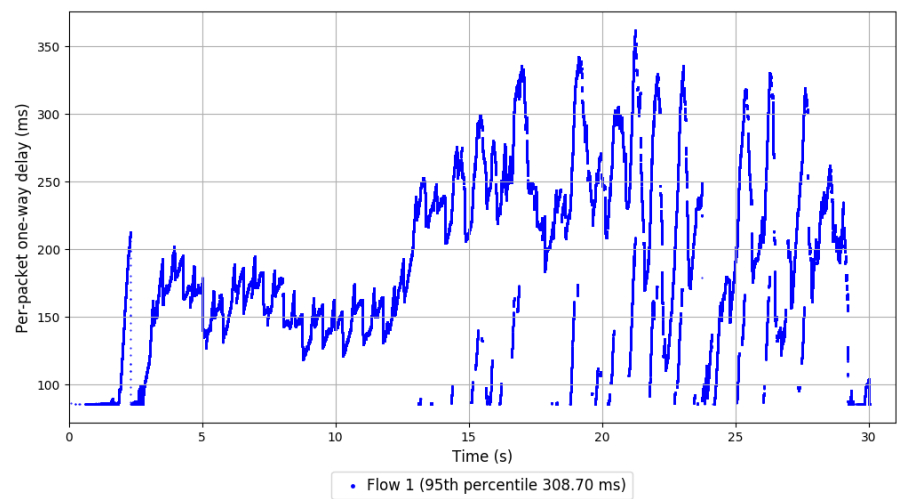
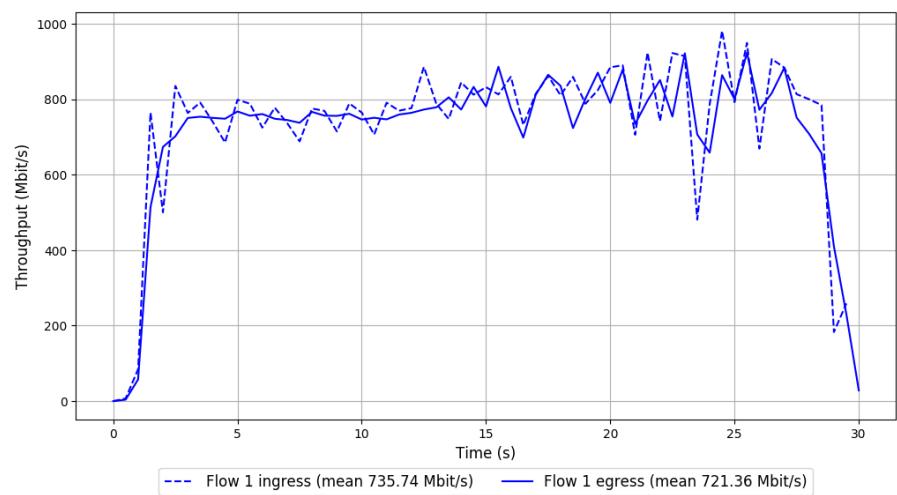
-- Flow 1:

Average throughput: 721.36 Mbit/s

95th percentile per-packet one-way delay: 308.699 ms

Loss rate: 1.96%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 09:00:52

End at: 2018-04-24 09:01:22

Below is generated by plot.py at 2018-04-24 11:36:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 304.512 ms

Loss rate: 3.66%

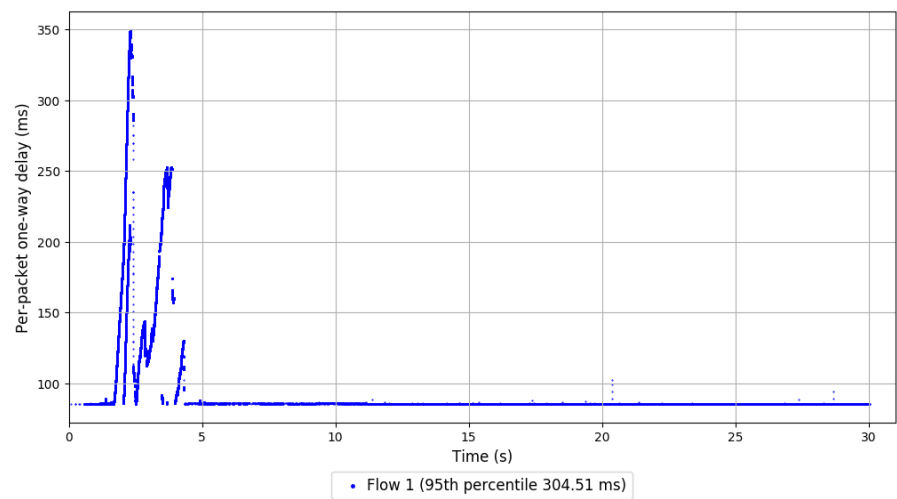
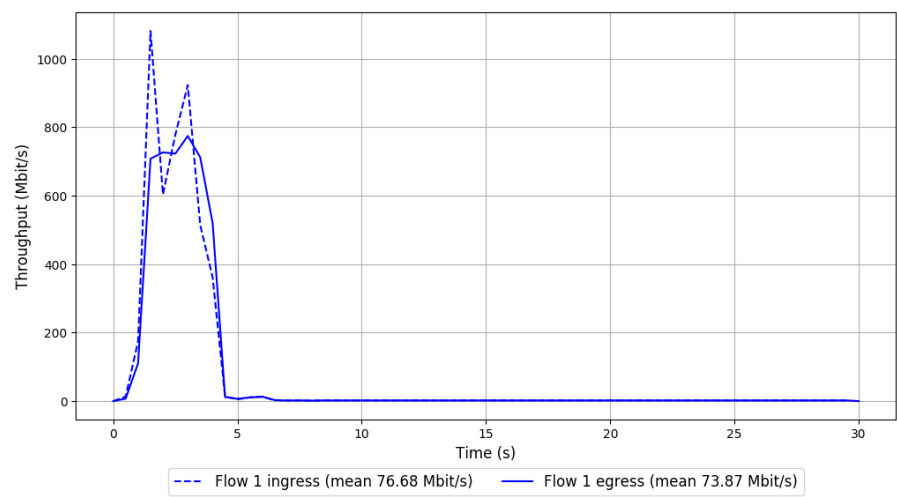
-- Flow 1:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 304.512 ms

Loss rate: 3.66%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-24 09:14:07

End at: 2018-04-24 09:14:37

Below is generated by plot.py at 2018-04-24 11:37:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 777.67 Mbit/s

95th percentile per-packet one-way delay: 293.369 ms

Loss rate: 1.27%

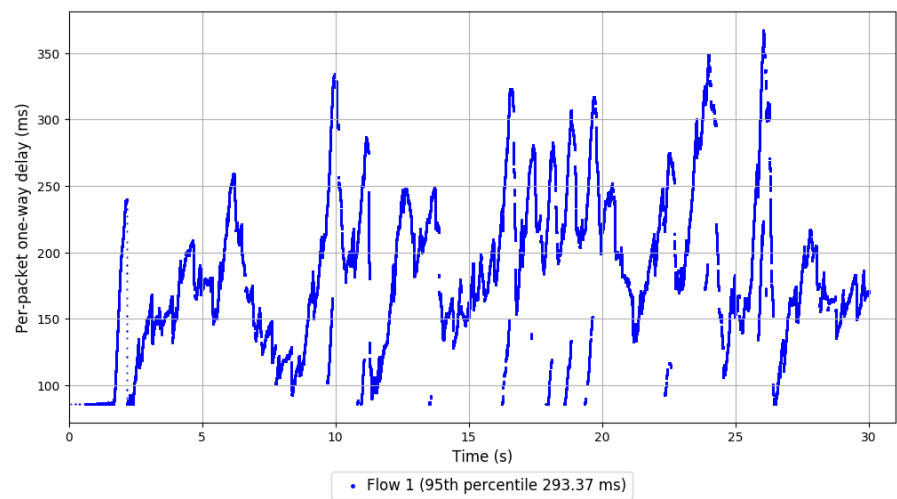
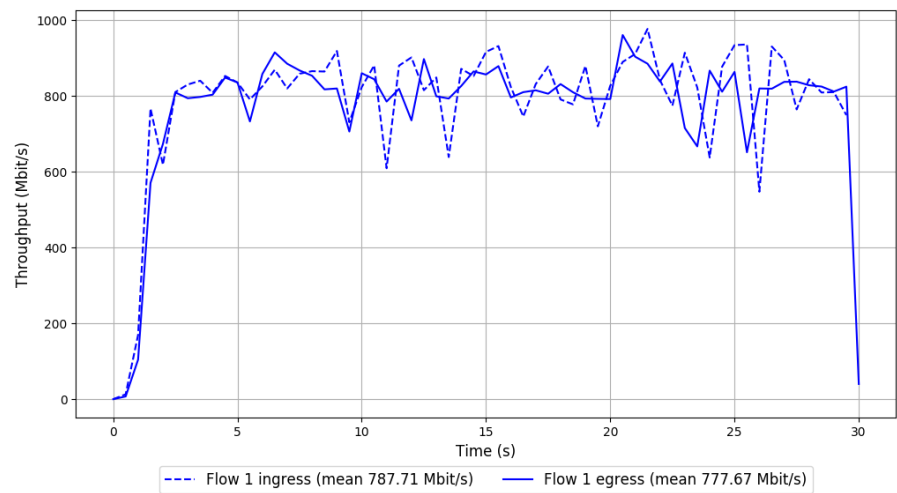
-- Flow 1:

Average throughput: 777.67 Mbit/s

95th percentile per-packet one-way delay: 293.369 ms

Loss rate: 1.27%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 09:27:41

End at: 2018-04-24 09:28:11

Below is generated by plot.py at 2018-04-24 11:37:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 717.44 Mbit/s

95th percentile per-packet one-way delay: 331.087 ms

Loss rate: 3.60%

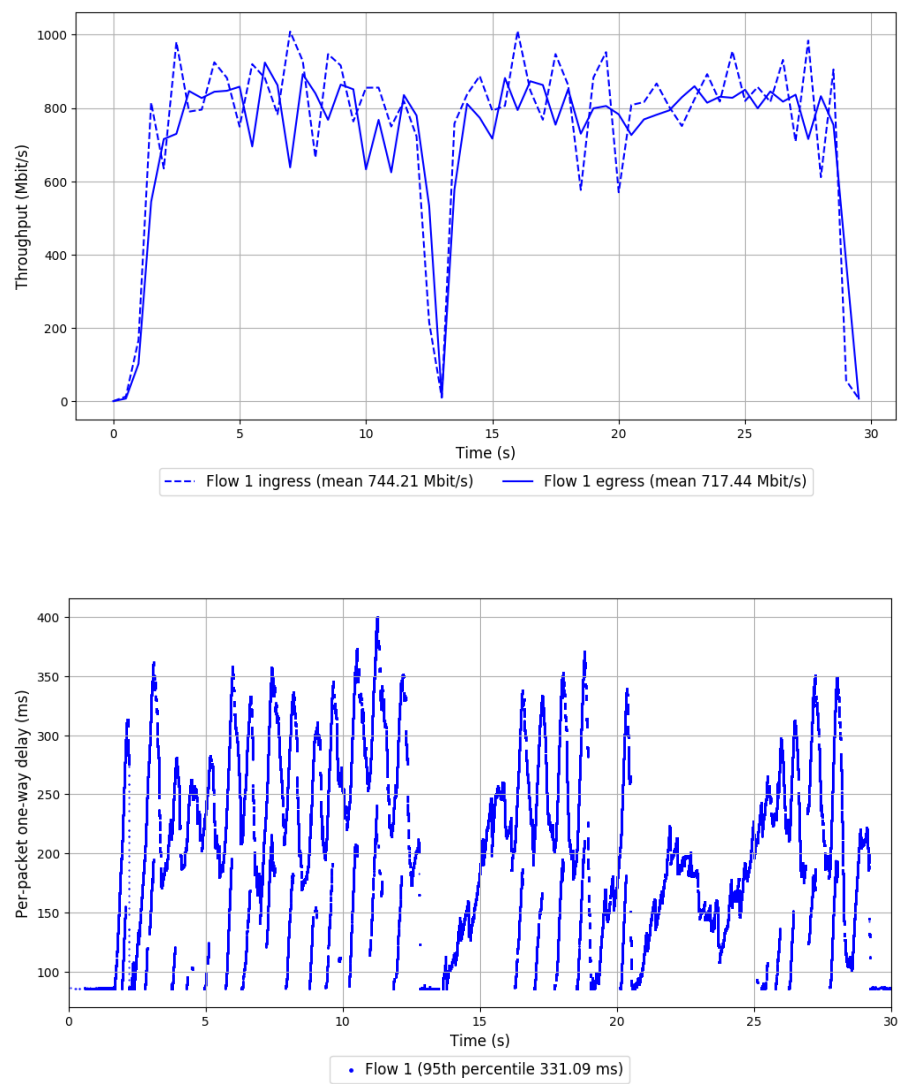
-- Flow 1:

Average throughput: 717.44 Mbit/s

95th percentile per-packet one-way delay: 331.087 ms

Loss rate: 3.60%

Run 10: Report of FillP — Data Link

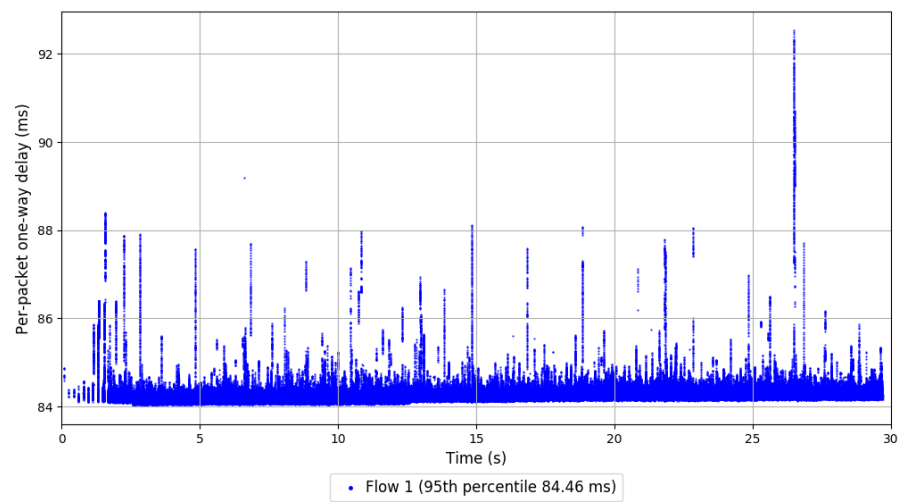
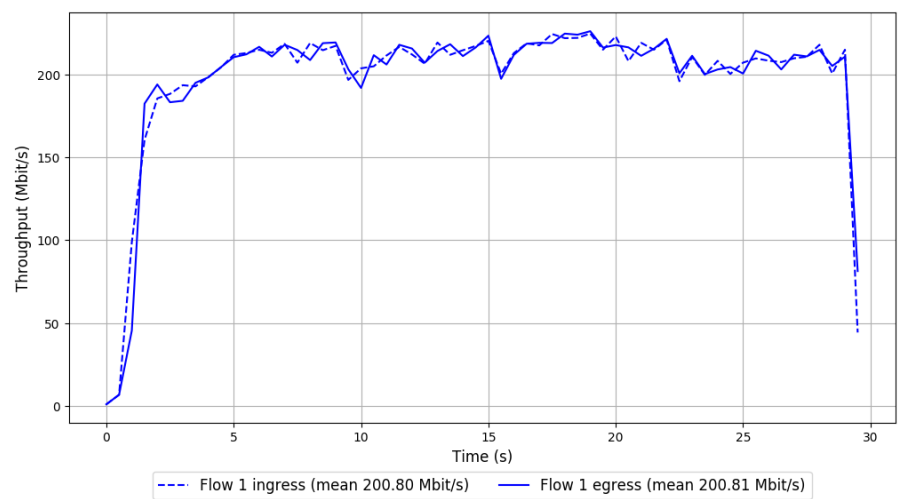


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 07:33:20
End at: 2018-04-24 07:33:50

# Below is generated by plot.py at 2018-04-24 11:37:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.81 Mbit/s
95th percentile per-packet one-way delay: 84.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.81 Mbit/s
95th percentile per-packet one-way delay: 84.464 ms
Loss rate: 0.00%
```

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

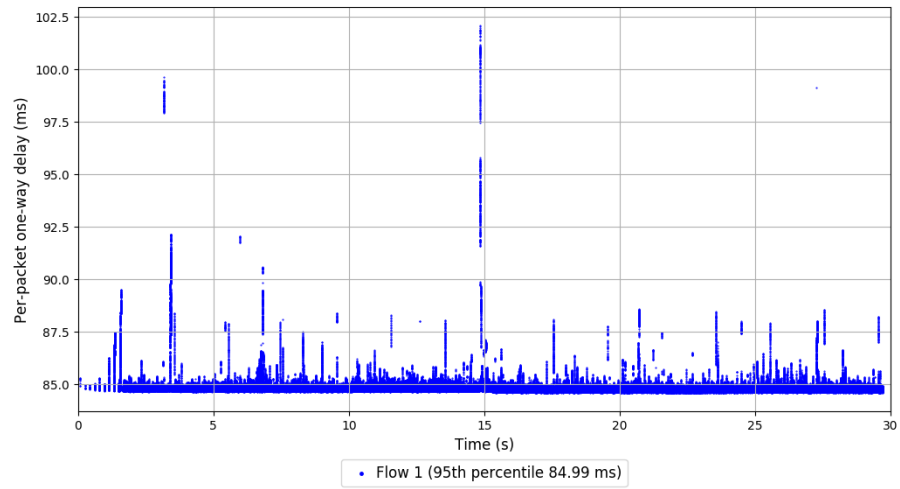
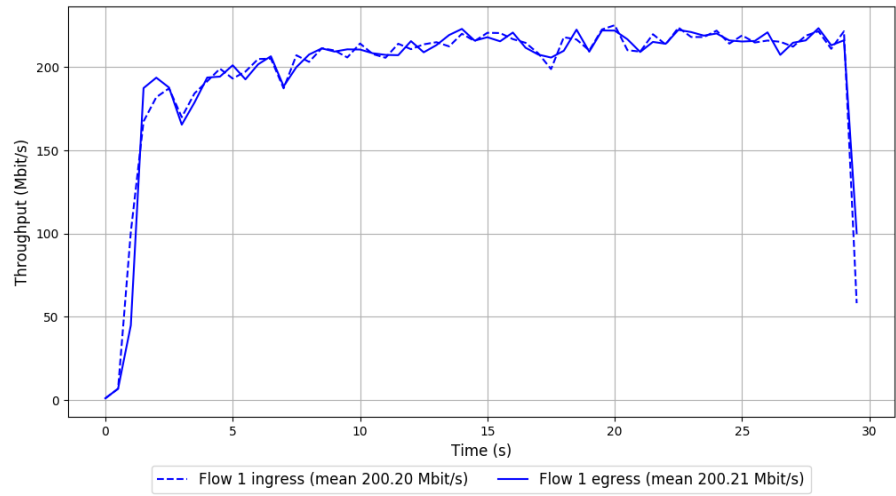


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 07:46:57
End at: 2018-04-24 07:47:27

# Below is generated by plot.py at 2018-04-24 11:37:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.21 Mbit/s
95th percentile per-packet one-way delay: 84.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.21 Mbit/s
95th percentile per-packet one-way delay: 84.991 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 08:00:25

End at: 2018-04-24 08:00:55

Below is generated by plot.py at 2018-04-24 11:37:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.01 Mbit/s

95th percentile per-packet one-way delay: 85.570 ms

Loss rate: 0.00%

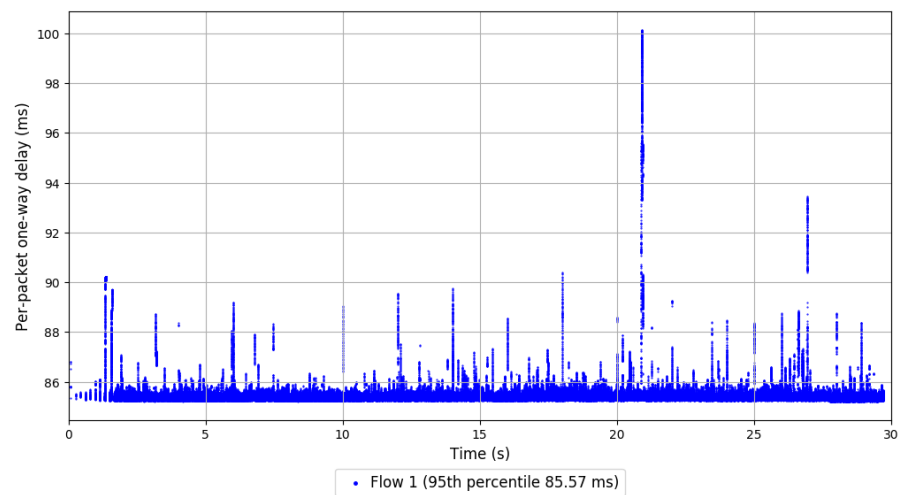
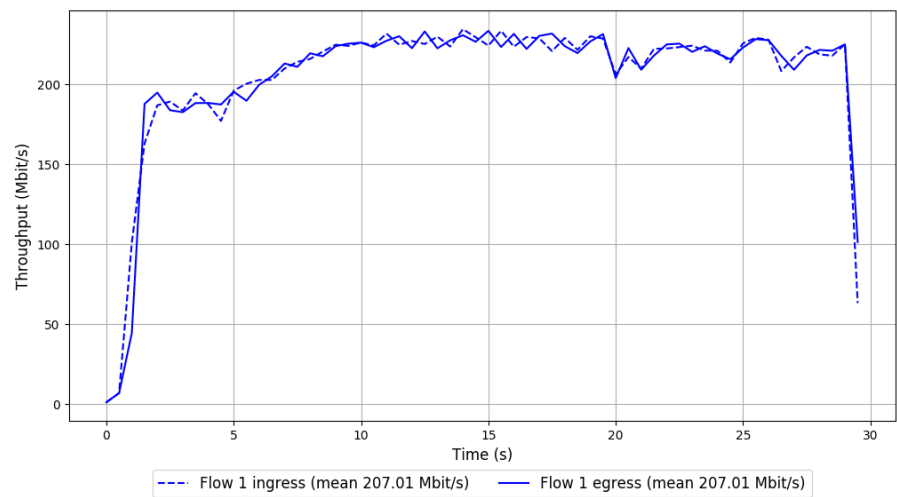
-- Flow 1:

Average throughput: 207.01 Mbit/s

95th percentile per-packet one-way delay: 85.570 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 08:13:49

End at: 2018-04-24 08:14:20

Below is generated by plot.py at 2018-04-24 11:37:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.19 Mbit/s

95th percentile per-packet one-way delay: 85.829 ms

Loss rate: 0.00%

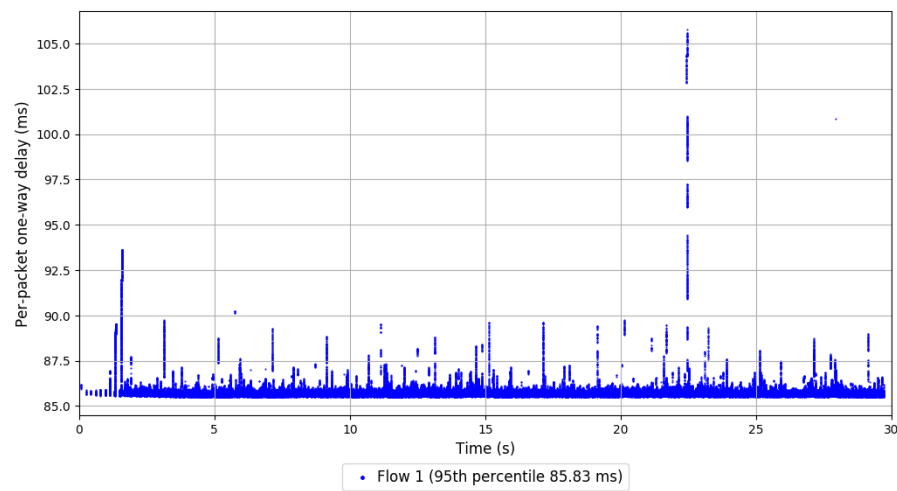
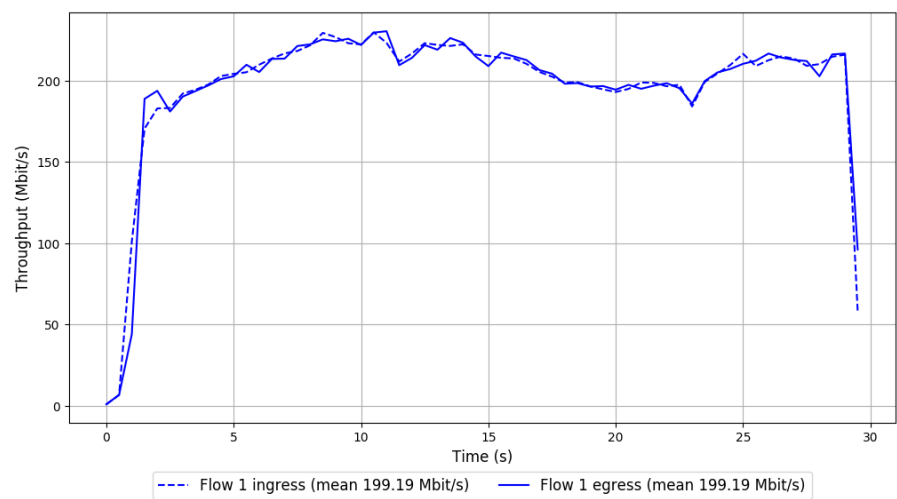
-- Flow 1:

Average throughput: 199.19 Mbit/s

95th percentile per-packet one-way delay: 85.829 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 08:27:30

End at: 2018-04-24 08:28:00

Below is generated by plot.py at 2018-04-24 11:37:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.20 Mbit/s

95th percentile per-packet one-way delay: 85.759 ms

Loss rate: 0.00%

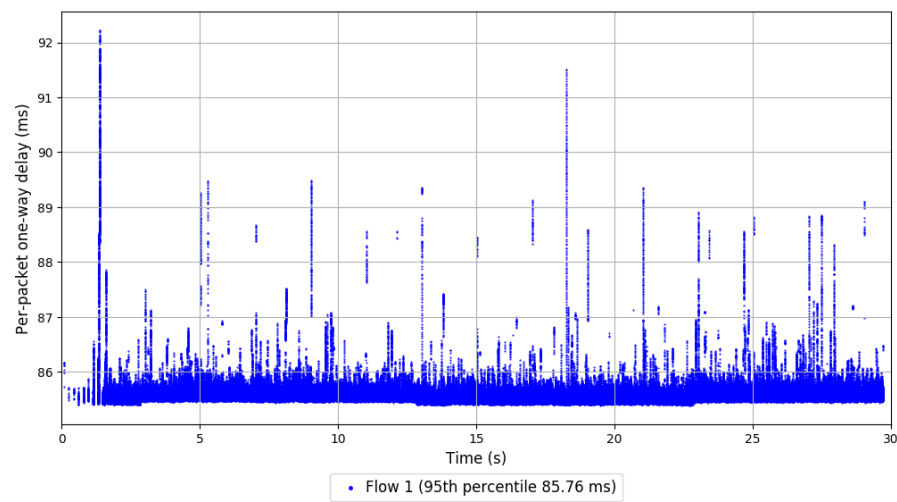
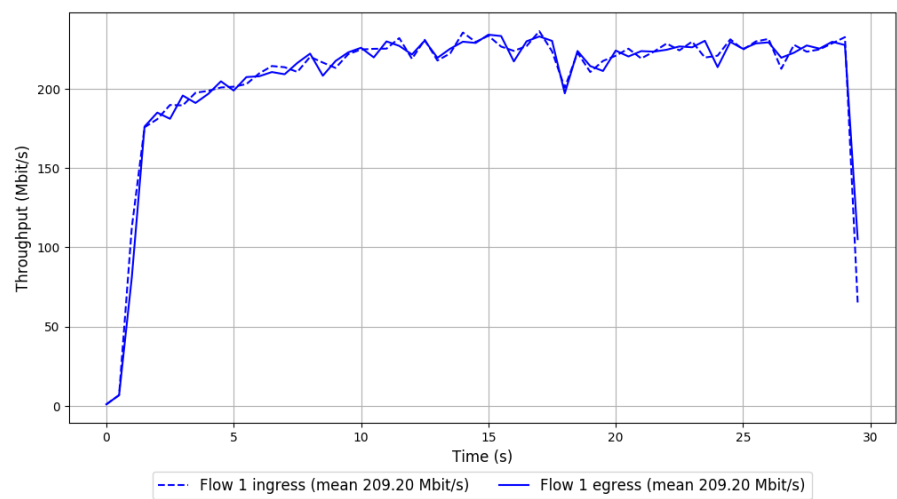
-- Flow 1:

Average throughput: 209.20 Mbit/s

95th percentile per-packet one-way delay: 85.759 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 08:40:41

End at: 2018-04-24 08:41:11

Below is generated by plot.py at 2018-04-24 11:38:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.89 Mbit/s

95th percentile per-packet one-way delay: 86.071 ms

Loss rate: 0.00%

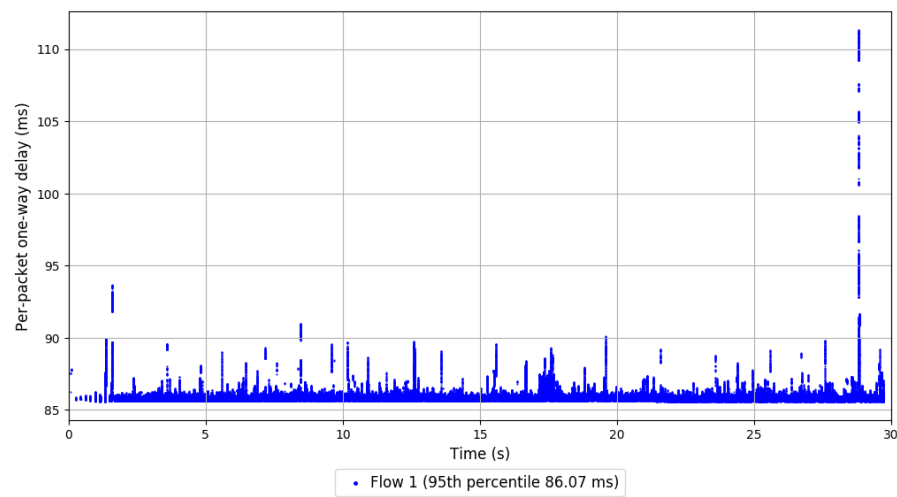
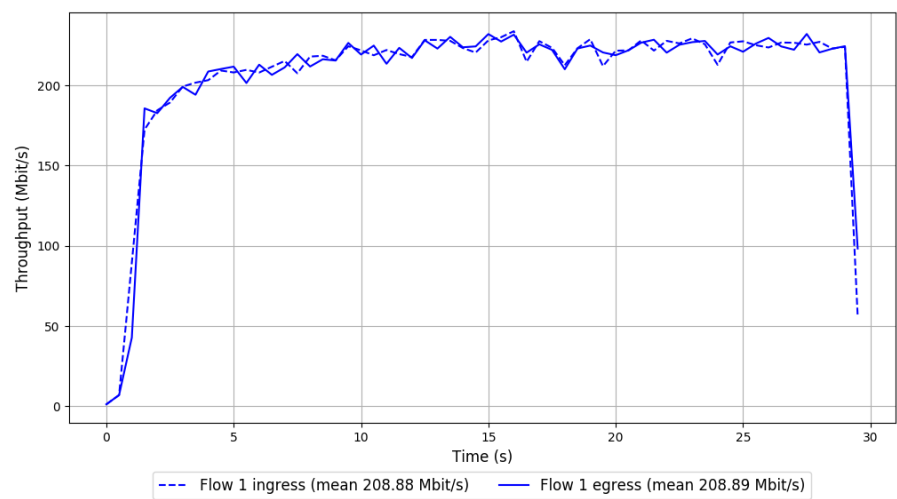
-- Flow 1:

Average throughput: 208.89 Mbit/s

95th percentile per-packet one-way delay: 86.071 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 08:54:19

End at: 2018-04-24 08:54:49

Below is generated by plot.py at 2018-04-24 11:38:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.51 Mbit/s

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

Loss rate: 0.00%

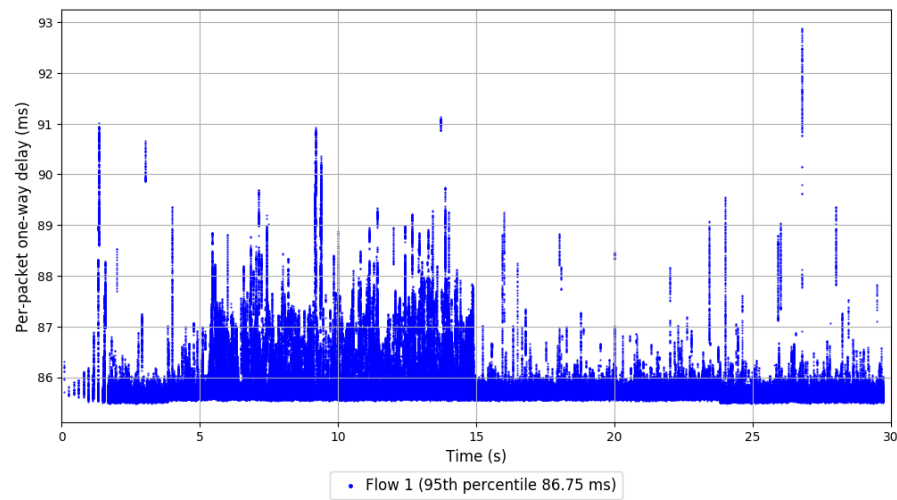
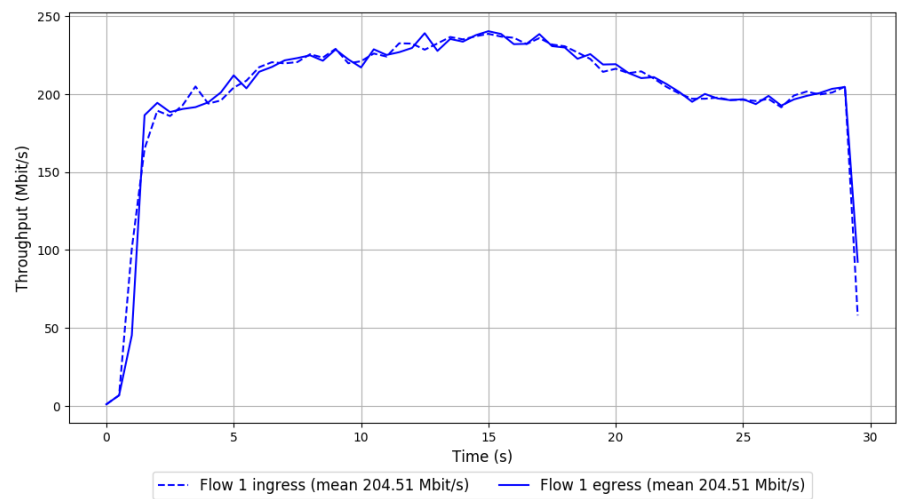
-- Flow 1:

Average throughput: 204.51 Mbit/s

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

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 09:07:33

End at: 2018-04-24 09:08:03

Below is generated by plot.py at 2018-04-24 11:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.67 Mbit/s

95th percentile per-packet one-way delay: 87.584 ms

Loss rate: 0.00%

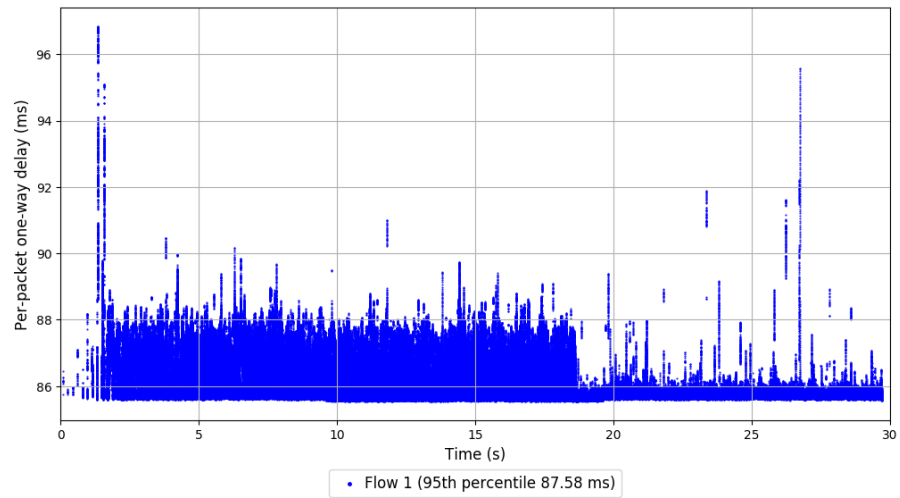
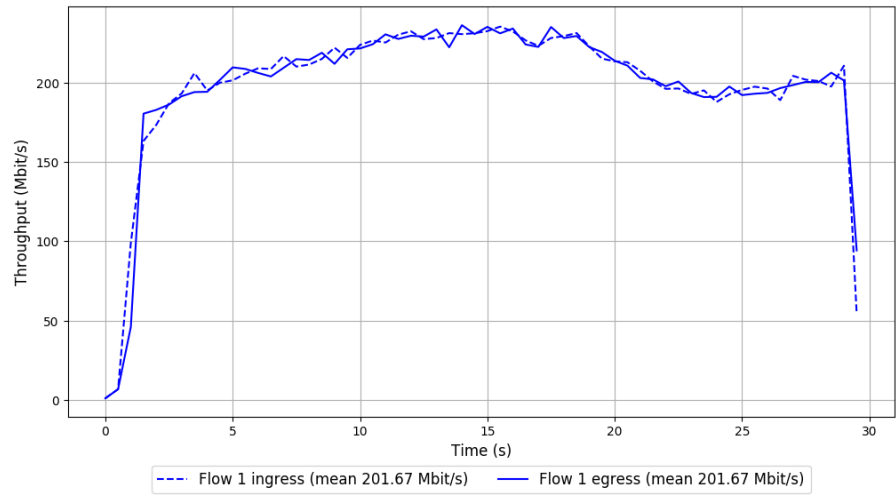
-- Flow 1:

Average throughput: 201.67 Mbit/s

95th percentile per-packet one-way delay: 87.584 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 09:21:13

End at: 2018-04-24 09:21:43

Below is generated by plot.py at 2018-04-24 11:39:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.49 Mbit/s

95th percentile per-packet one-way delay: 85.911 ms

Loss rate: 0.00%

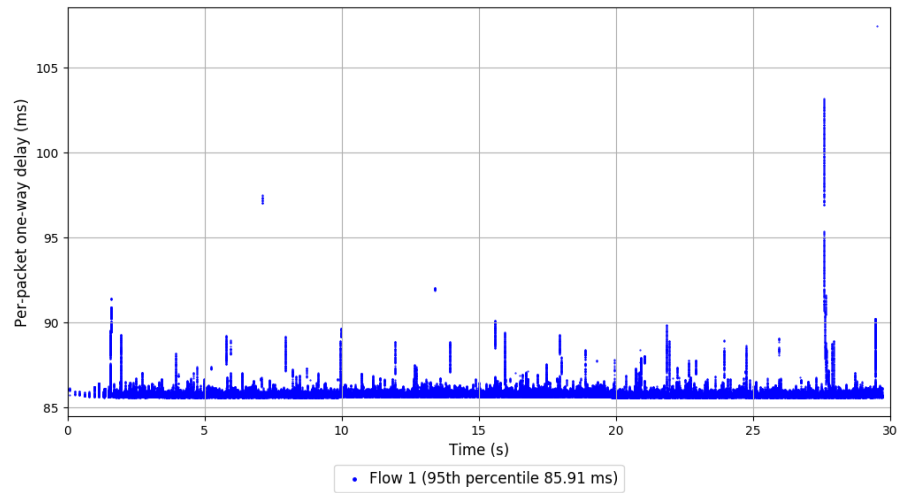
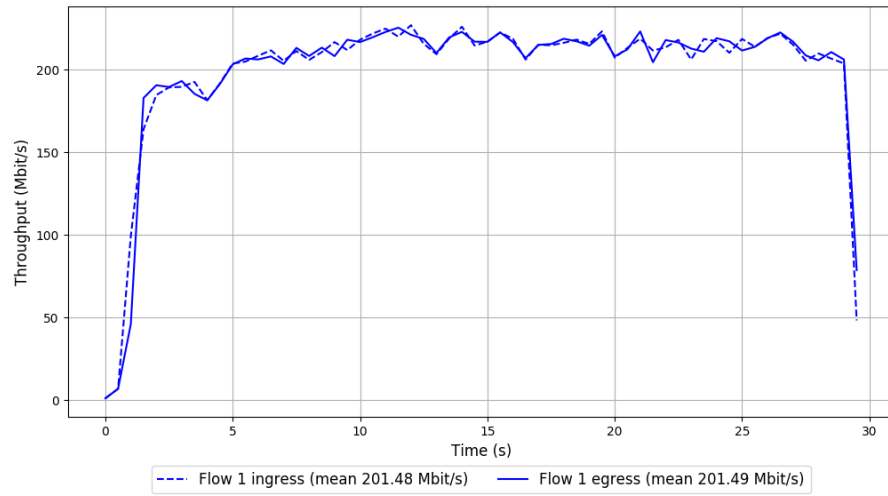
-- Flow 1:

Average throughput: 201.49 Mbit/s

95th percentile per-packet one-way delay: 85.911 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 09:34:50

End at: 2018-04-24 09:35:20

Below is generated by plot.py at 2018-04-24 11:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.48 Mbit/s

95th percentile per-packet one-way delay: 86.063 ms

Loss rate: 0.00%

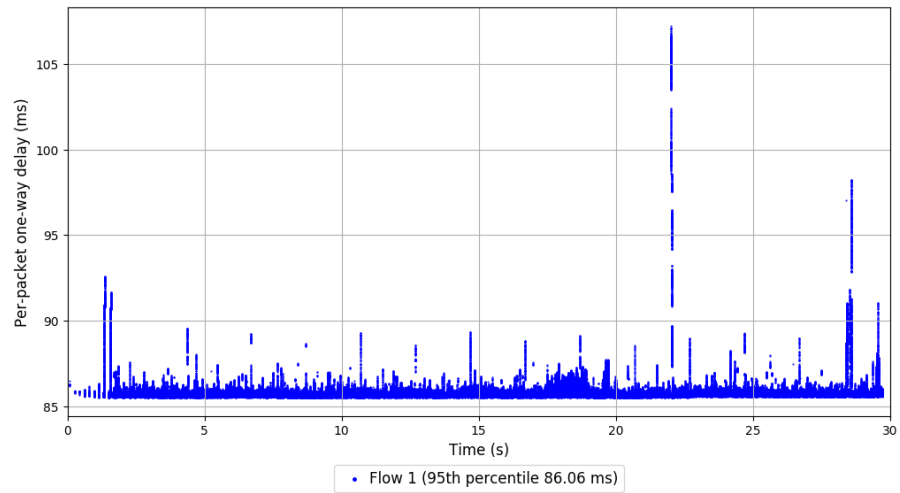
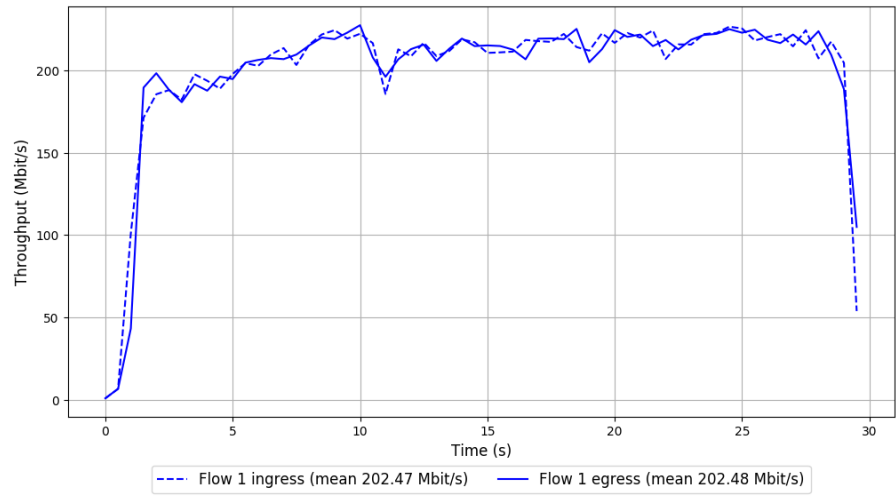
-- Flow 1:

Average throughput: 202.48 Mbit/s

95th percentile per-packet one-way delay: 86.063 ms

Loss rate: 0.00%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 07:23:42

End at: 2018-04-24 07:24:12

Below is generated by plot.py at 2018-04-24 11:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 296.37 Mbit/s

95th percentile per-packet one-way delay: 82.170 ms

Loss rate: 0.00%

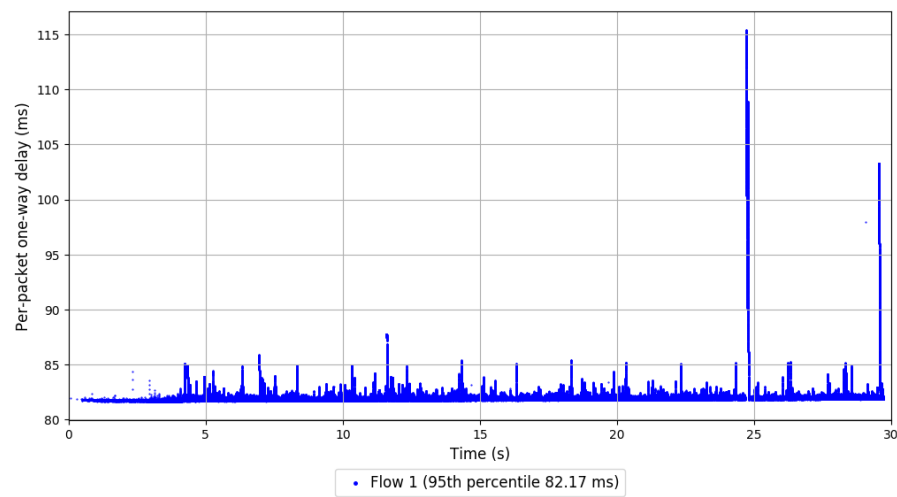
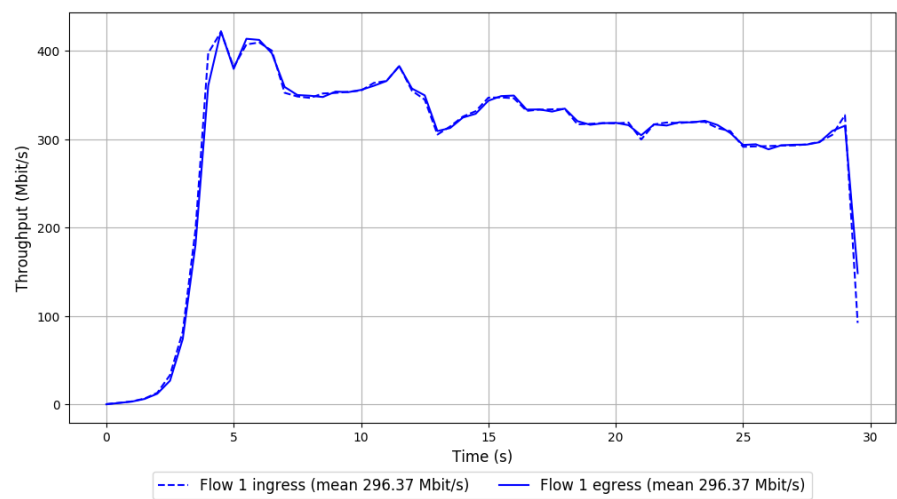
-- Flow 1:

Average throughput: 296.37 Mbit/s

95th percentile per-packet one-way delay: 82.170 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 07:37:13

End at: 2018-04-24 07:37:43

Below is generated by plot.py at 2018-04-24 11:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.68 Mbit/s

95th percentile per-packet one-way delay: 84.910 ms

Loss rate: 0.00%

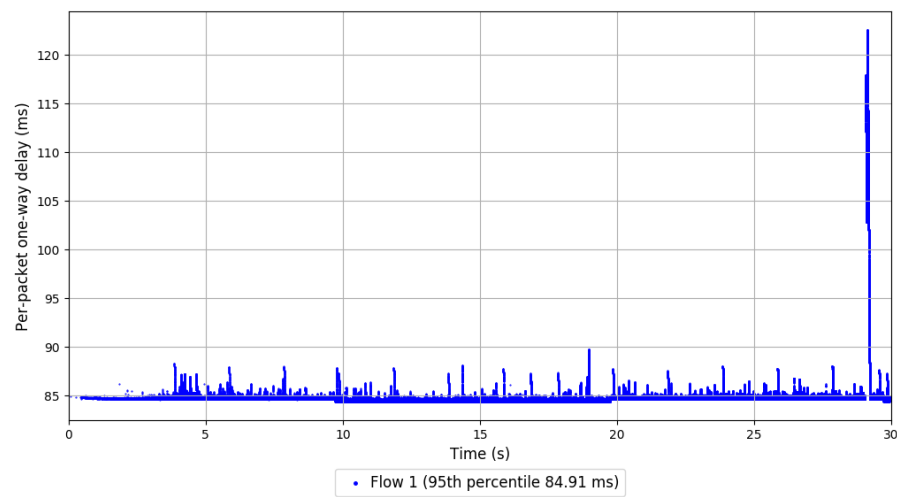
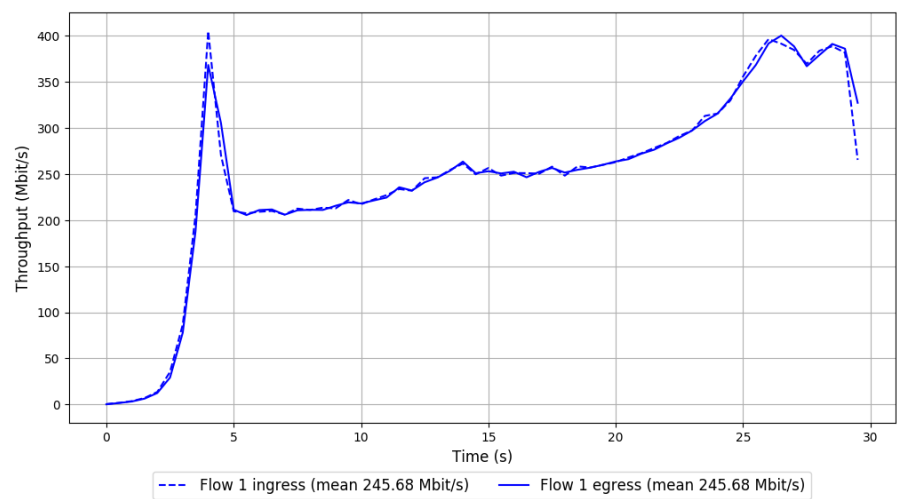
-- Flow 1:

Average throughput: 245.68 Mbit/s

95th percentile per-packet one-way delay: 84.910 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 07:50:50

End at: 2018-04-24 07:51:20

Below is generated by plot.py at 2018-04-24 11:43:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.61 Mbit/s

95th percentile per-packet one-way delay: 94.555 ms

Loss rate: 0.00%

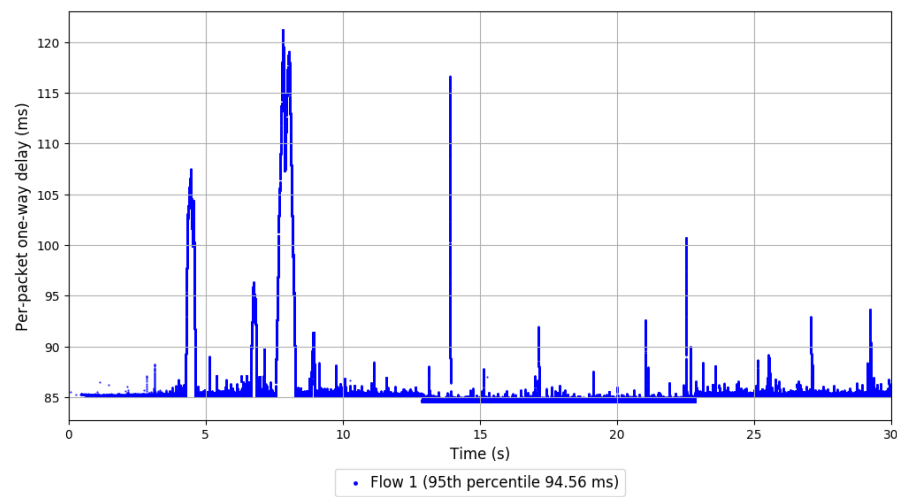
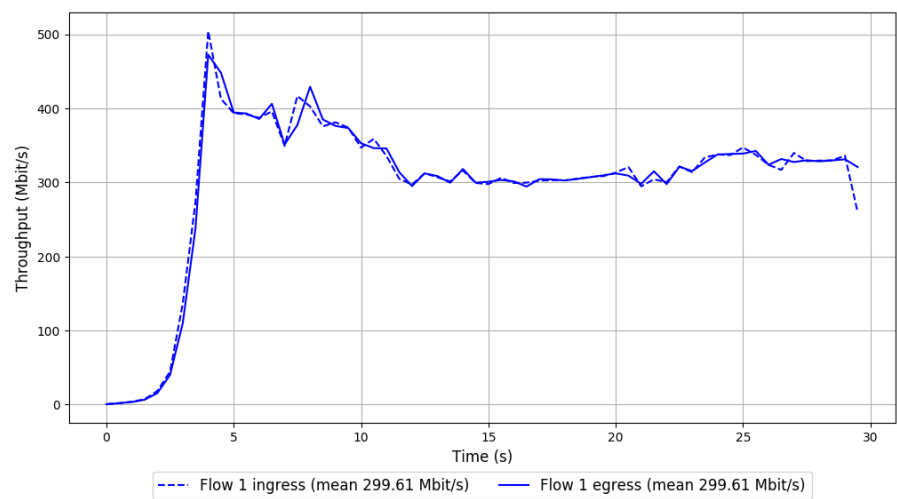
-- Flow 1:

Average throughput: 299.61 Mbit/s

95th percentile per-packet one-way delay: 94.555 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

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

End at: 2018-04-24 08:04:47

Below is generated by plot.py at 2018-04-24 11:43:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.92 Mbit/s

95th percentile per-packet one-way delay: 85.860 ms

Loss rate: 0.00%

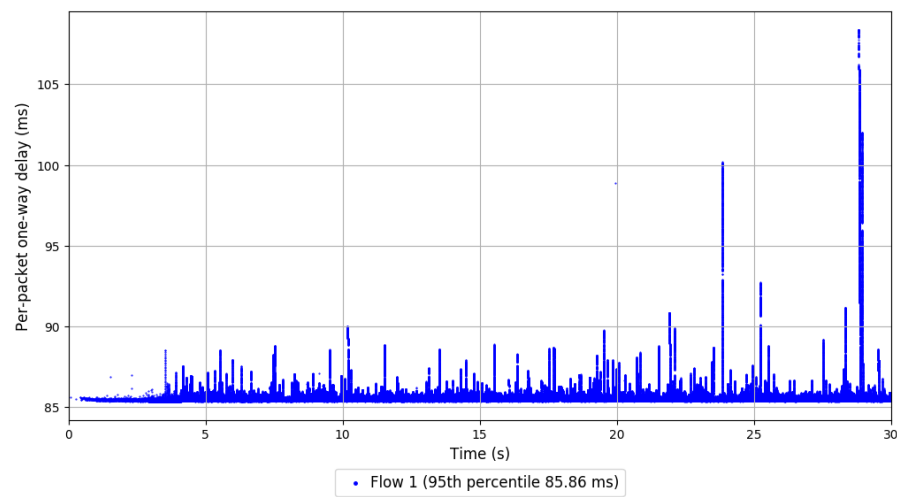
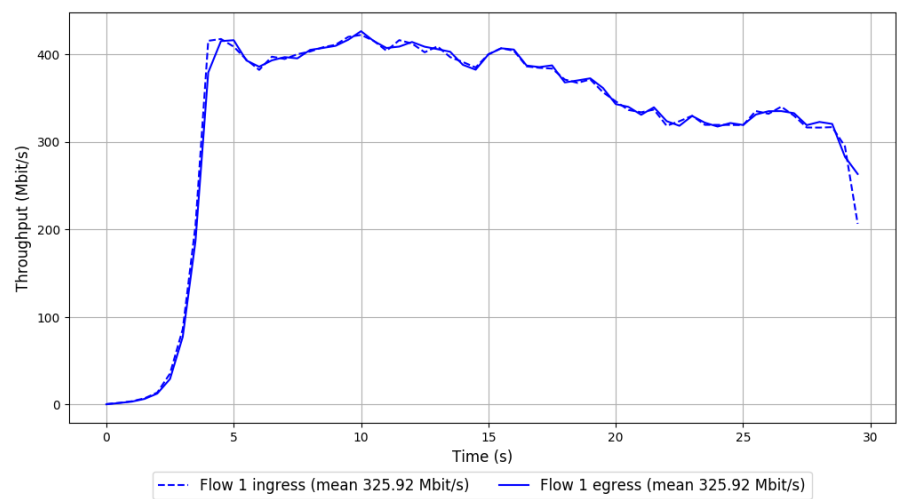
-- Flow 1:

Average throughput: 325.92 Mbit/s

95th percentile per-packet one-way delay: 85.860 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 08:17:40

End at: 2018-04-24 08:18:10

Below is generated by plot.py at 2018-04-24 11:43:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.61 Mbit/s

95th percentile per-packet one-way delay: 86.518 ms

Loss rate: 0.00%

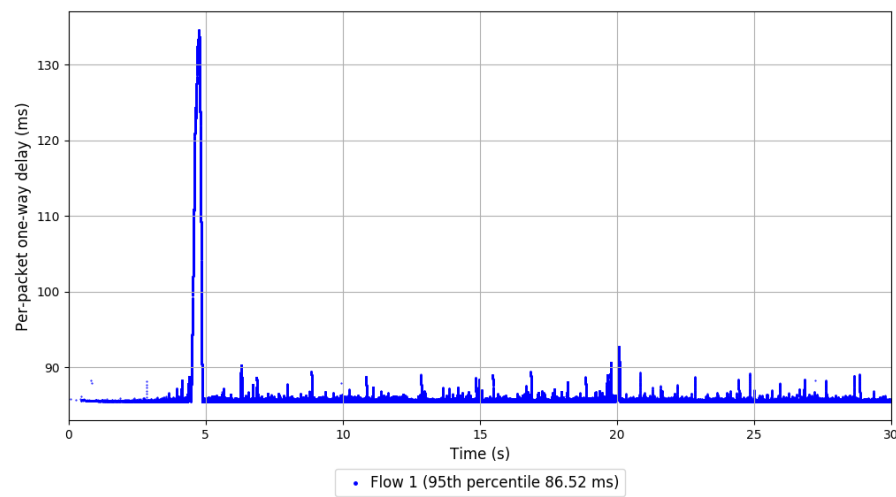
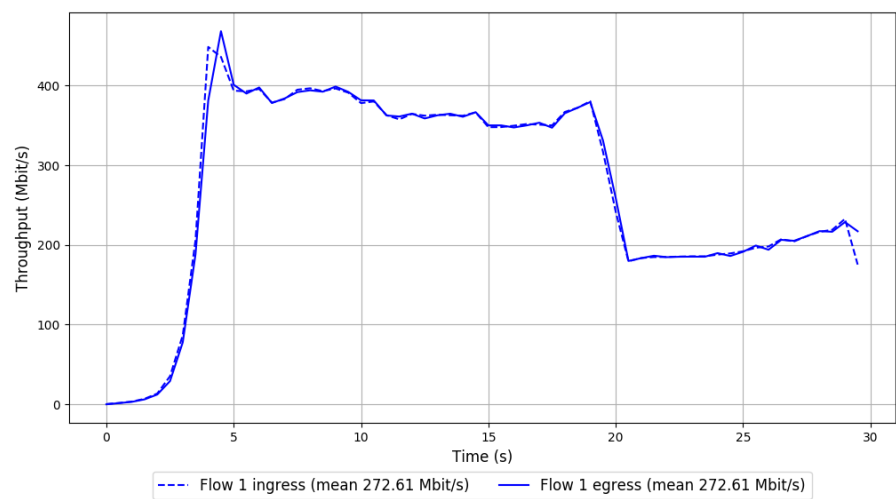
-- Flow 1:

Average throughput: 272.61 Mbit/s

95th percentile per-packet one-way delay: 86.518 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 08:31:21

End at: 2018-04-24 08:31:51

Below is generated by plot.py at 2018-04-24 11:43:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.20 Mbit/s

95th percentile per-packet one-way delay: 86.802 ms

Loss rate: 0.00%

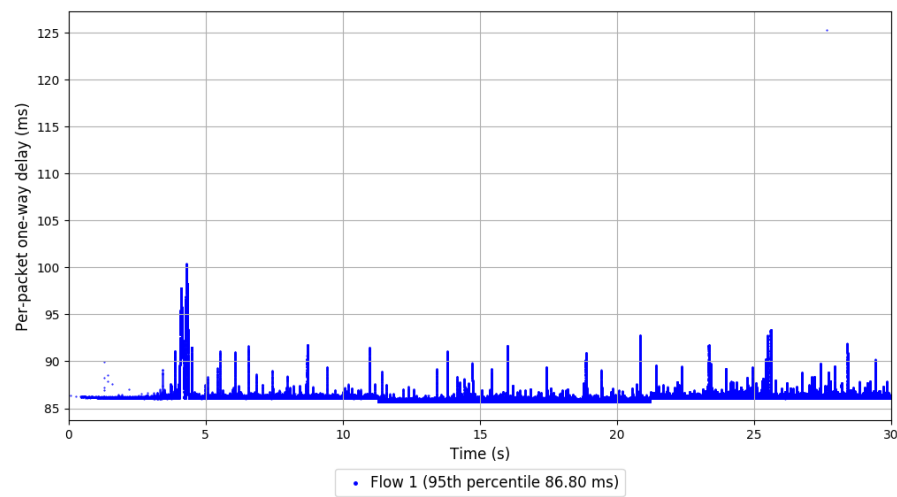
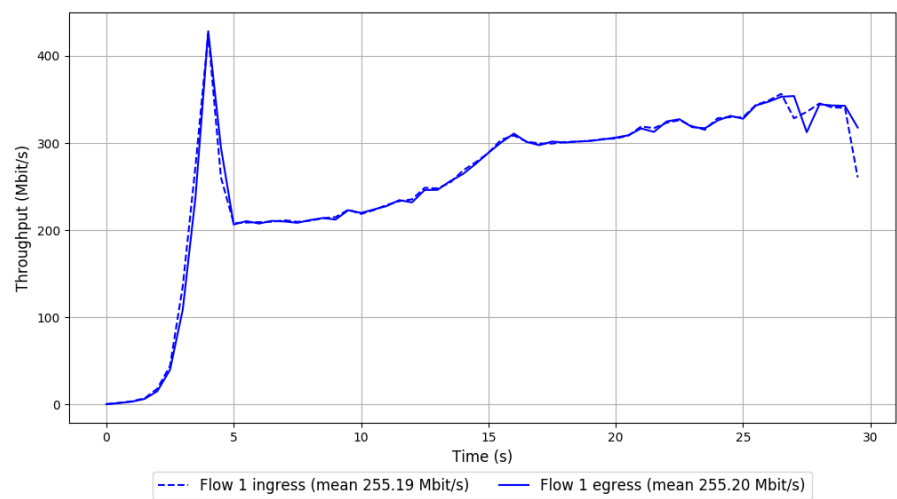
-- Flow 1:

Average throughput: 255.20 Mbit/s

95th percentile per-packet one-way delay: 86.802 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 08:44:35

End at: 2018-04-24 08:45:05

Below is generated by plot.py at 2018-04-24 11:43:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.71 Mbit/s

95th percentile per-packet one-way delay: 85.896 ms

Loss rate: 0.00%

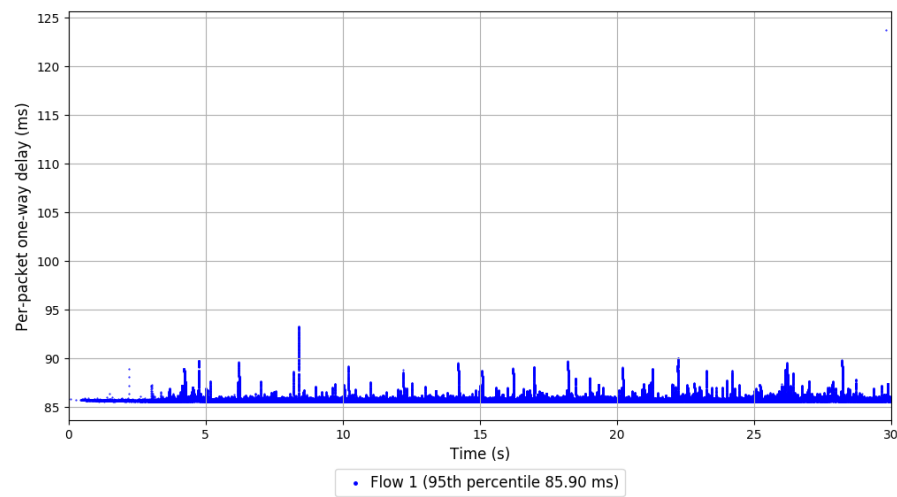
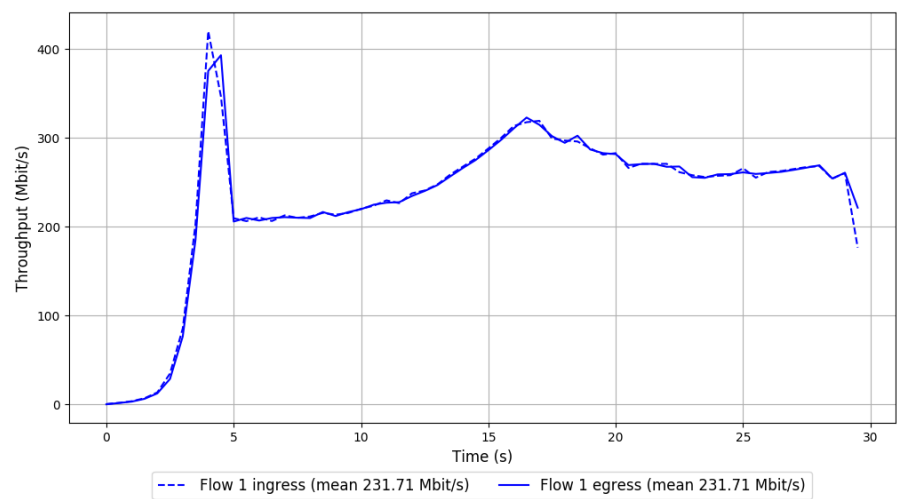
-- Flow 1:

Average throughput: 231.71 Mbit/s

95th percentile per-packet one-way delay: 85.896 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 08:58:11

End at: 2018-04-24 08:58:41

Below is generated by plot.py at 2018-04-24 11:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.02 Mbit/s

95th percentile per-packet one-way delay: 86.064 ms

Loss rate: 0.00%

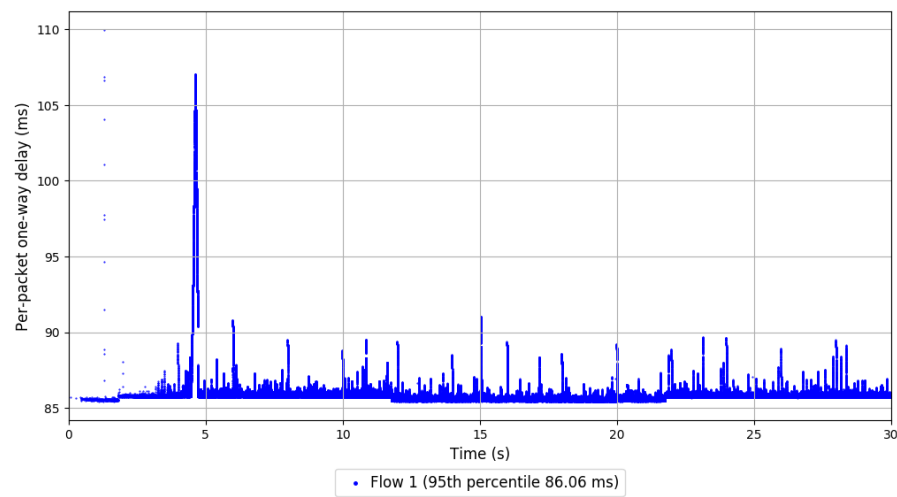
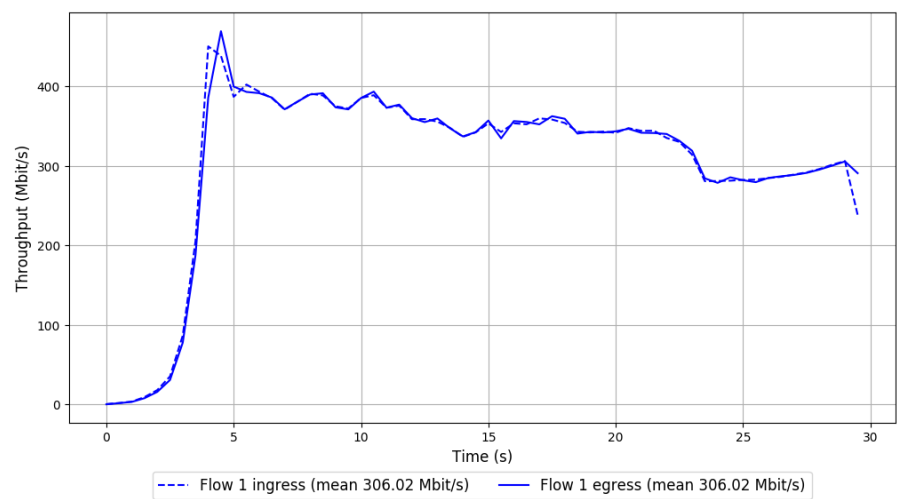
-- Flow 1:

Average throughput: 306.02 Mbit/s

95th percentile per-packet one-way delay: 86.064 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 09:11:23

End at: 2018-04-24 09:11:53

Below is generated by plot.py at 2018-04-24 11:44:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.41 Mbit/s

95th percentile per-packet one-way delay: 86.891 ms

Loss rate: 0.00%

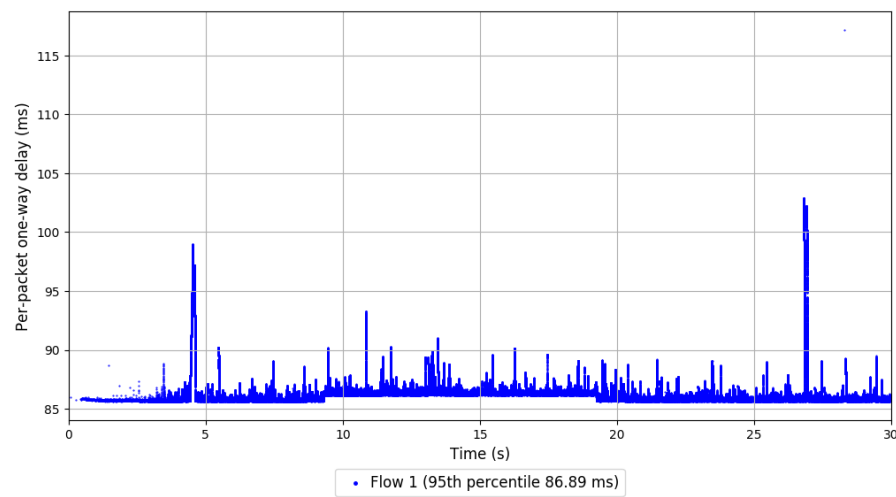
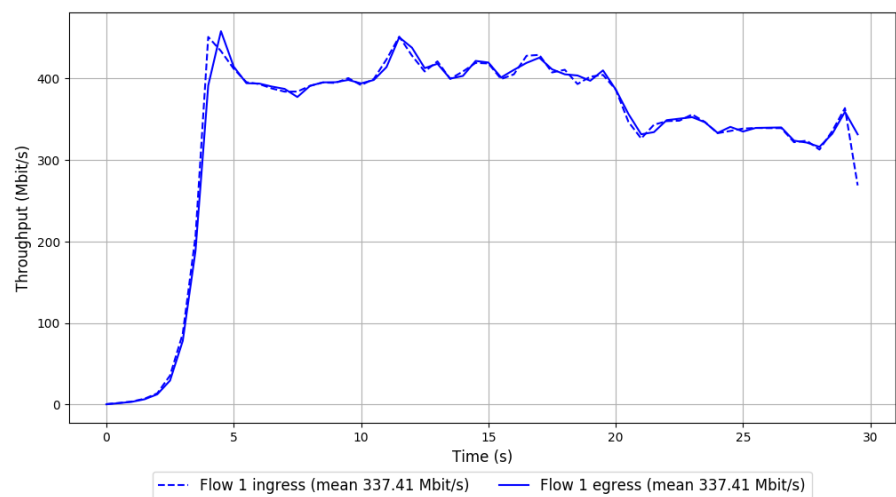
-- Flow 1:

Average throughput: 337.41 Mbit/s

95th percentile per-packet one-way delay: 86.891 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 09:25:04

End at: 2018-04-24 09:25:34

Below is generated by plot.py at 2018-04-24 11:44:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.90 Mbit/s

95th percentile per-packet one-way delay: 86.395 ms

Loss rate: 0.00%

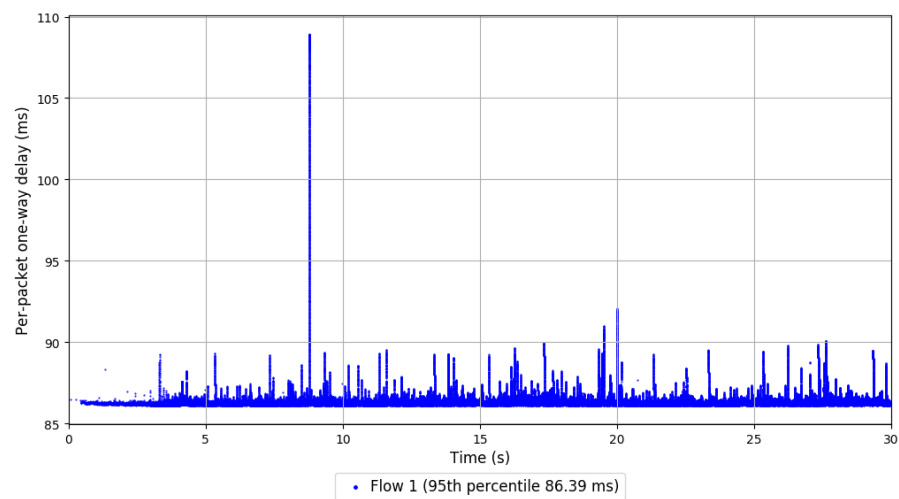
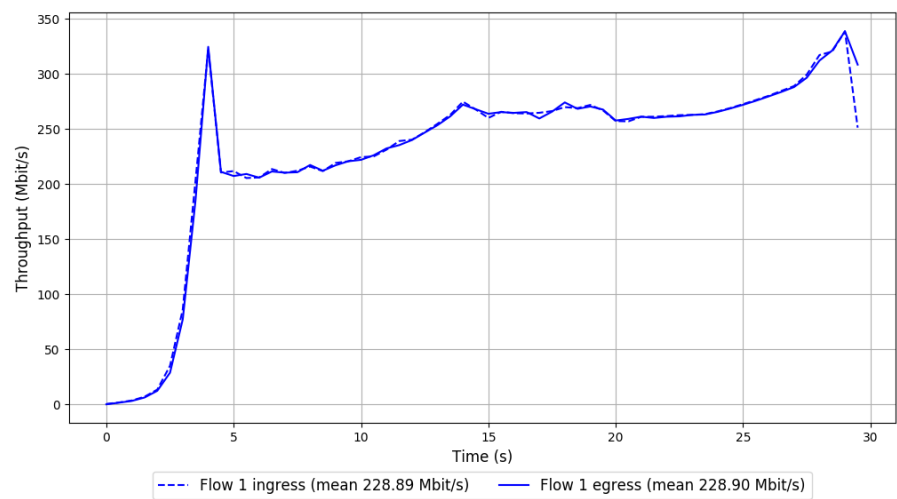
-- Flow 1:

Average throughput: 228.90 Mbit/s

95th percentile per-packet one-way delay: 86.395 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 07:34:52

End at: 2018-04-24 07:35:22

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 07:48:29

End at: 2018-04-24 07:48:59

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 08:01:58

End at: 2018-04-24 08:02:28

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 08:15:22

End at: 2018-04-24 08:15:52

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 08:29:02

End at: 2018-04-24 08:29:32

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 08:42:14

End at: 2018-04-24 08:42:44

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 08:55:51

End at: 2018-04-24 08:56:21

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 09:09:05

End at: 2018-04-24 09:09:35

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 09:22:45

End at: 2018-04-24 09:23:15

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 09:36:23

End at: 2018-04-24 09:36:53

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing