

Pantheon Report

Generated at 2018-04-17 09:07:21 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia 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).

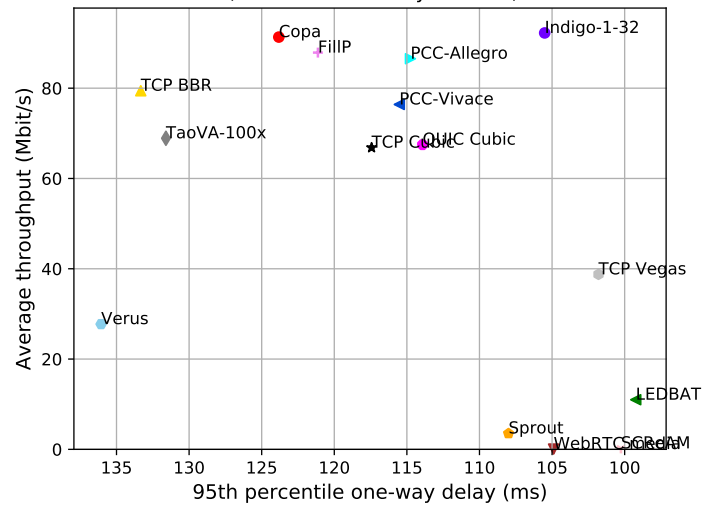
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

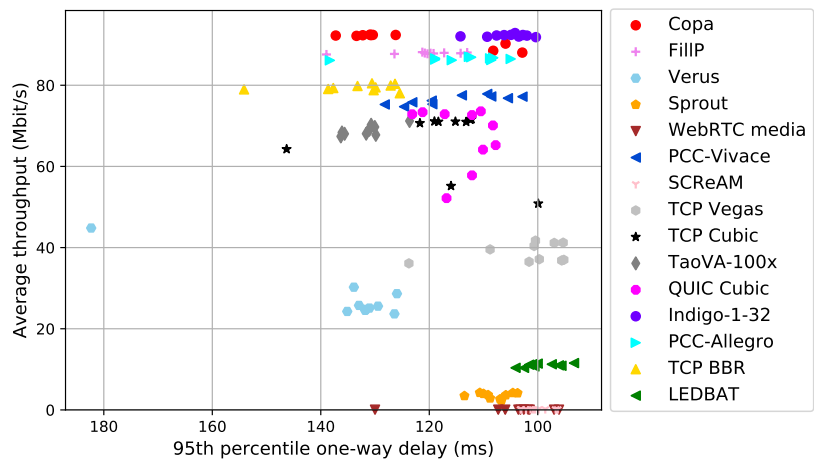
Git summary:

```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 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 AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme



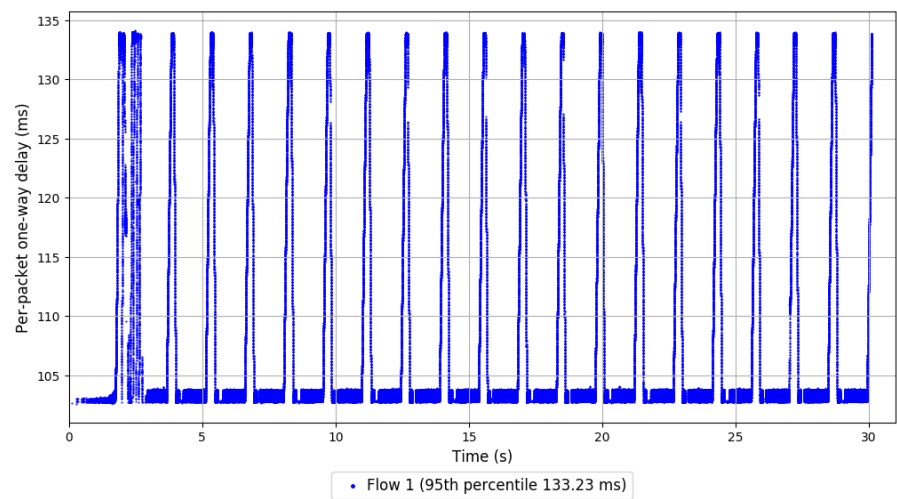
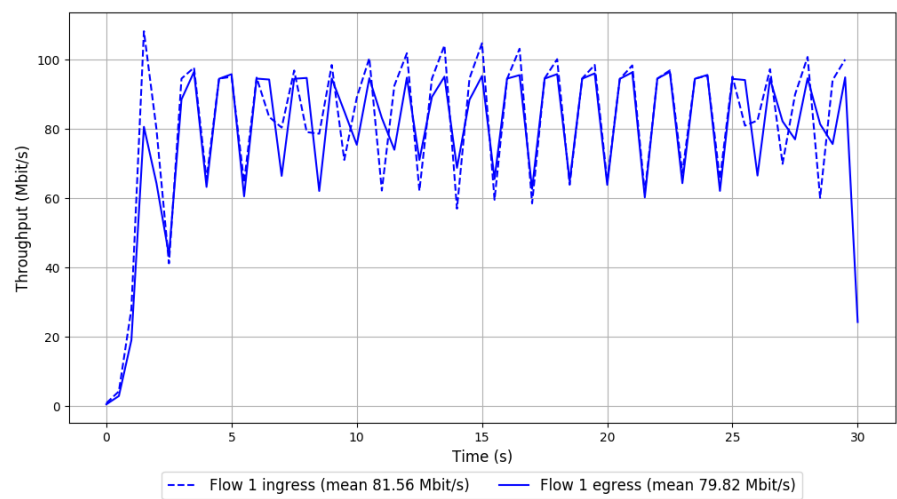
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	79.43	133.33	2.28
TCP Cubic	10	66.82	117.43	0.44
LEDBAT	10	10.99	99.24	0.00
PCC-Allegro	10	86.53	114.75	1.57
QUIC Cubic	10	67.48	113.92	0.17
SCReAM	10	0.22	100.26	0.00
WebRTC media	10	0.06	104.90	0.00
Sprout	10	3.52	108.00	0.00
TaoVA-100x	10	68.90	131.60	1.09
TCP Vegas	10	38.76	101.80	0.32
Verus	10	27.74	136.06	16.60
Copa	10	91.32	123.82	62.16
FillP	10	87.88	121.13	2.17
Indigo-1-32	10	92.23	105.51	0.92
PCC-Vivace	10	76.39	115.52	0.08
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 05:12:20
End at: 2018-04-17 05:12:50
Local clock offset: -3.798 ms
Remote clock offset: 11.208 ms

Below is generated by plot.py at 2018-04-17 08:46:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 133.227 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 133.227 ms
Loss rate: 2.04%

Run 1: Report of TCP BBR — Data Link

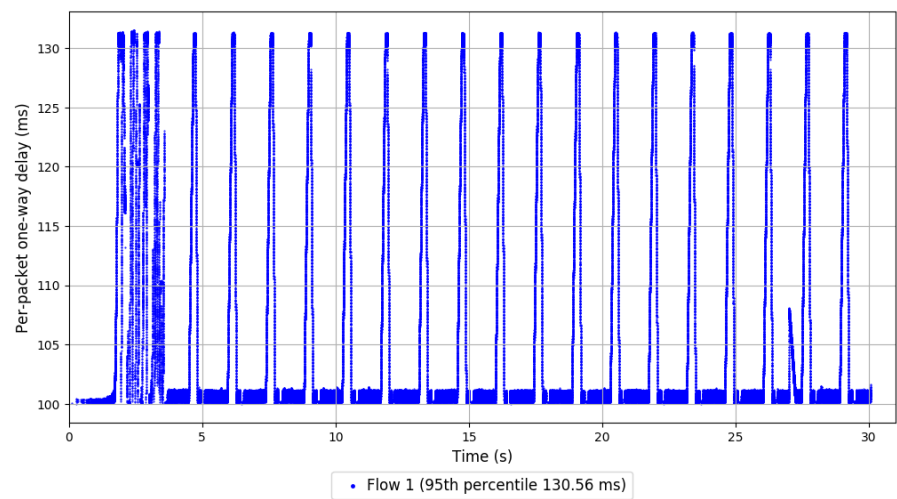
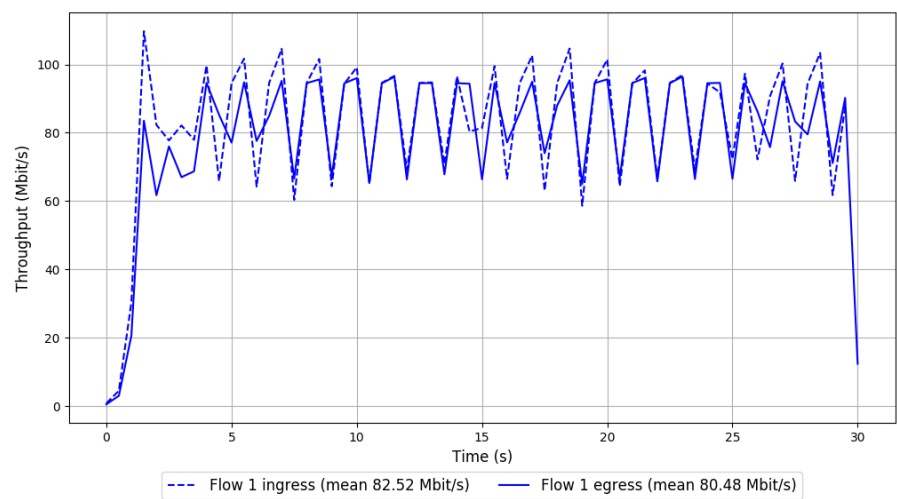


Run 2: Statistics of TCP BBR

Start at: 2018-04-17 05:33:38
End at: 2018-04-17 05:34:08
Local clock offset: -4.869 ms
Remote clock offset: 11.322 ms

Below is generated by plot.py at 2018-04-17 08:46:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.48 Mbit/s
95th percentile per-packet one-way delay: 130.561 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 80.48 Mbit/s
95th percentile per-packet one-way delay: 130.561 ms
Loss rate: 2.46%

Run 2: Report of TCP BBR — Data Link

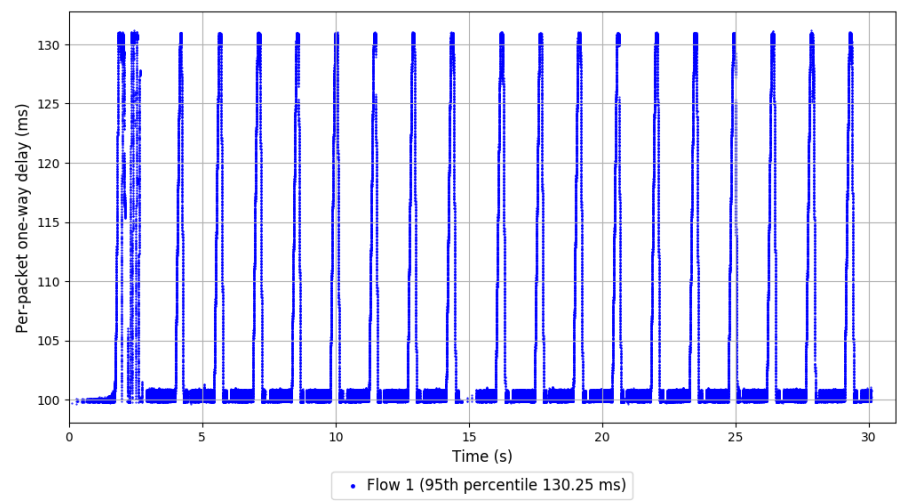
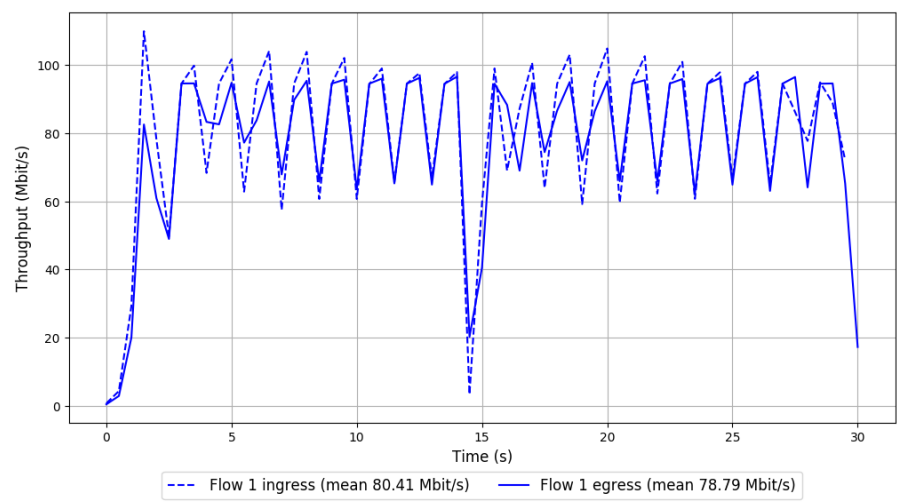


Run 3: Statistics of TCP BBR

Start at: 2018-04-17 05:54:47
End at: 2018-04-17 05:55:17
Local clock offset: -4.251 ms
Remote clock offset: 12.153 ms

Below is generated by plot.py at 2018-04-17 08:46:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.79 Mbit/s
95th percentile per-packet one-way delay: 130.254 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 78.79 Mbit/s
95th percentile per-packet one-way delay: 130.254 ms
Loss rate: 2.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 06:15:39

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

Local clock offset: -5.886 ms

Remote clock offset: 6.53 ms

Below is generated by plot.py at 2018-04-17 08:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.37 Mbit/s

95th percentile per-packet one-way delay: 126.317 ms

Loss rate: 2.22%

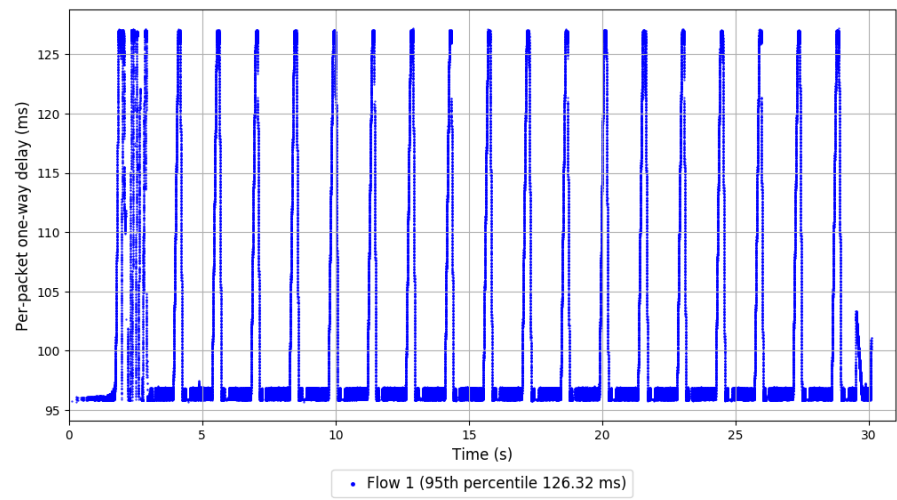
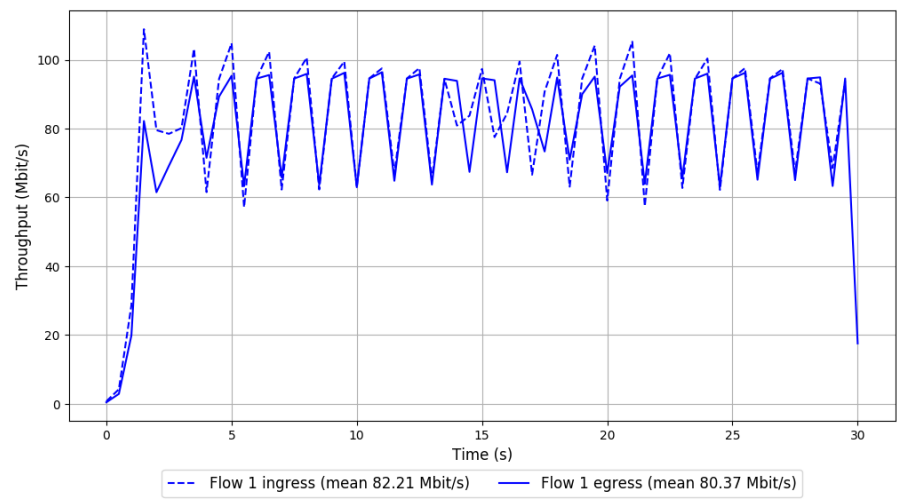
-- Flow 1:

Average throughput: 80.37 Mbit/s

95th percentile per-packet one-way delay: 126.317 ms

Loss rate: 2.22%

Run 4: Report of TCP BBR — Data Link

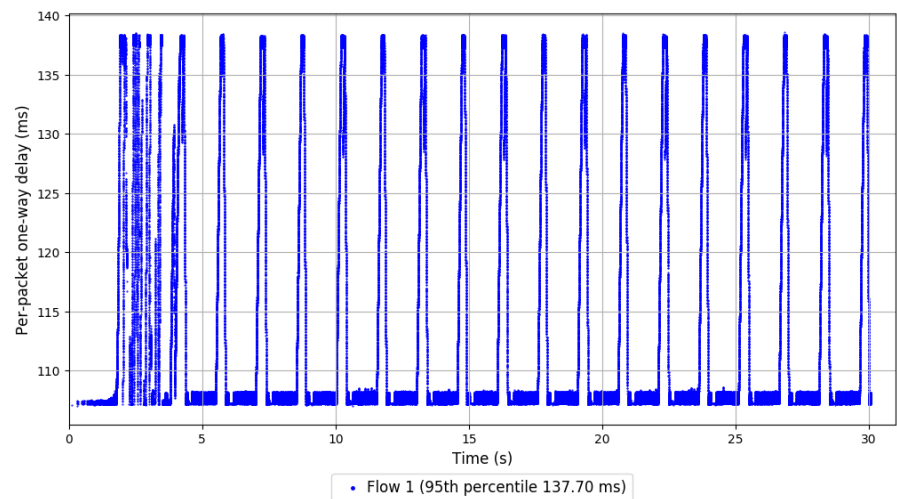
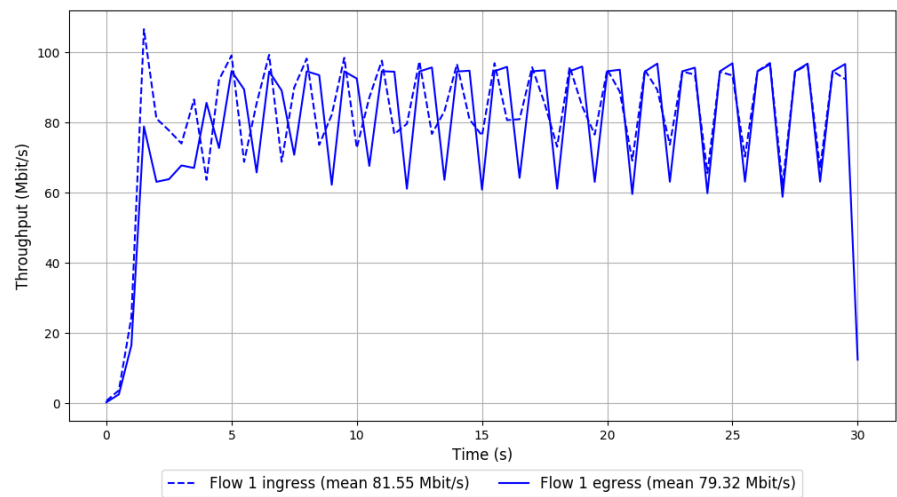


Run 5: Statistics of TCP BBR

Start at: 2018-04-17 06:36:47
End at: 2018-04-17 06:37:17
Local clock offset: -5.698 ms
Remote clock offset: 11.674 ms

Below is generated by plot.py at 2018-04-17 08:46:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 137.696 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 137.696 ms
Loss rate: 2.73%

Run 5: Report of TCP BBR — Data Link

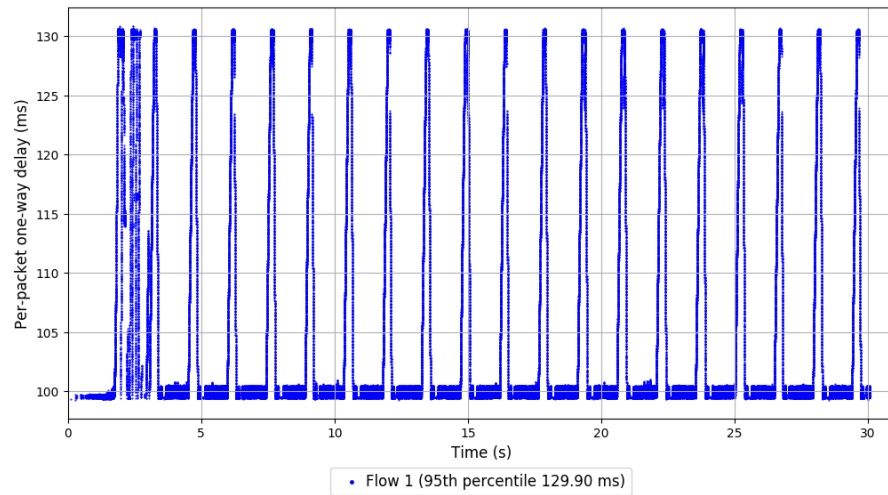
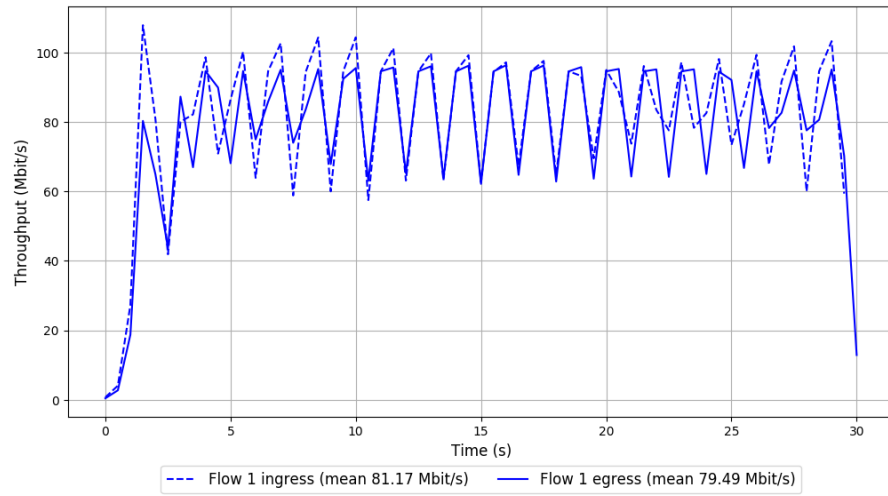


Run 6: Statistics of TCP BBR

Start at: 2018-04-17 06:58:00
End at: 2018-04-17 06:58:30
Local clock offset: -3.642 ms
Remote clock offset: 11.105 ms

Below is generated by plot.py at 2018-04-17 08:46:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 129.895 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 129.895 ms
Loss rate: 2.07%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-17 07:19:15

End at: 2018-04-17 07:19:45

Local clock offset: -5.707 ms

Remote clock offset: 5.329 ms

Below is generated by plot.py at 2018-04-17 08:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.94 Mbit/s

95th percentile per-packet one-way delay: 127.121 ms

Loss rate: 2.40%

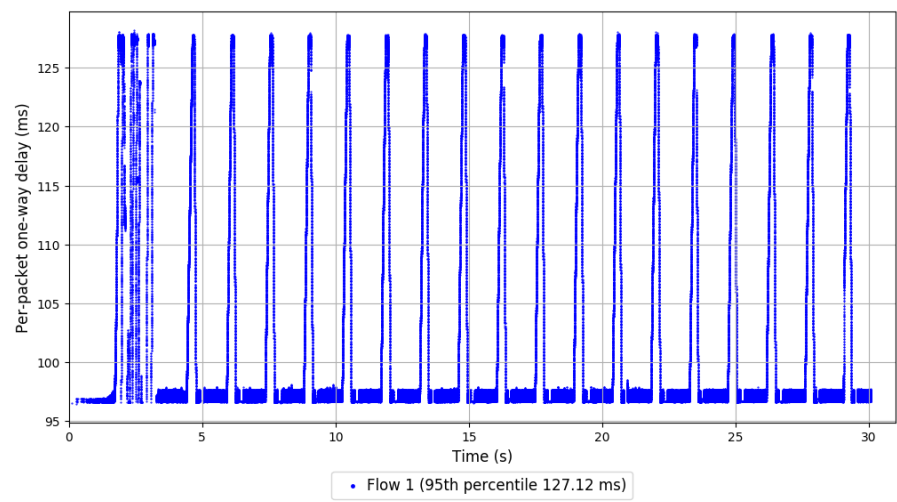
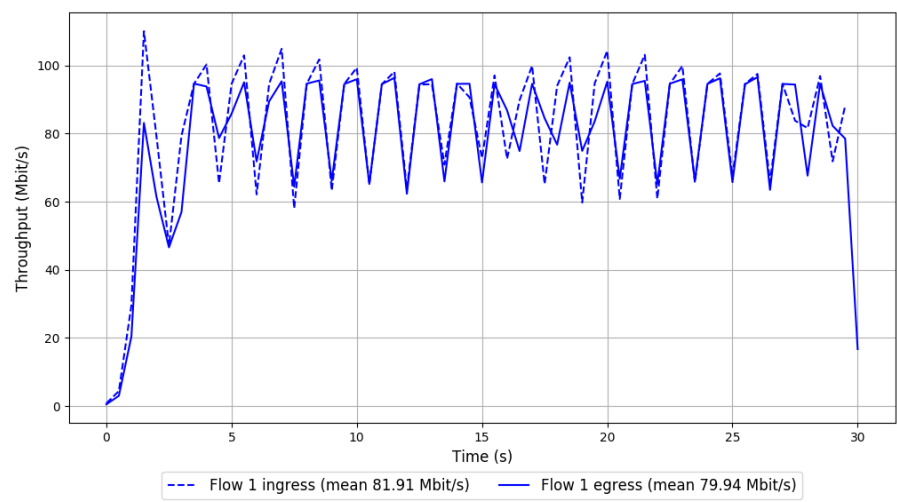
-- Flow 1:

Average throughput: 79.94 Mbit/s

95th percentile per-packet one-way delay: 127.121 ms

Loss rate: 2.40%

Run 7: Report of TCP BBR — Data Link

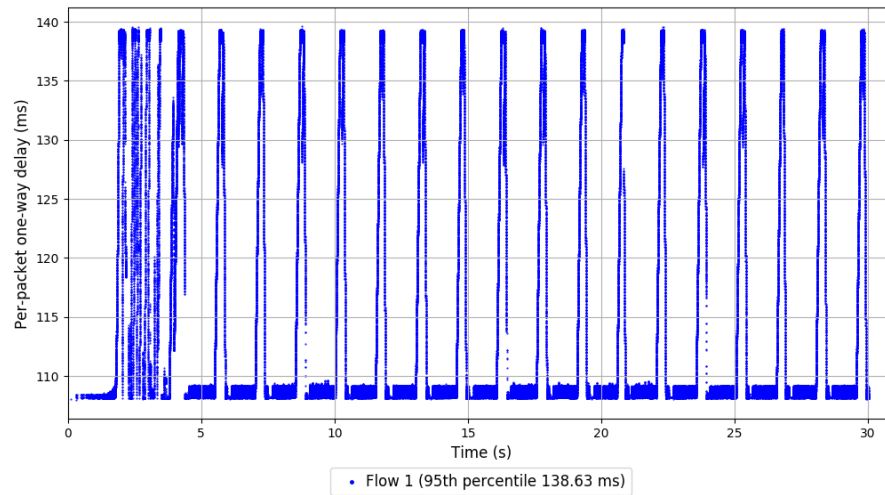
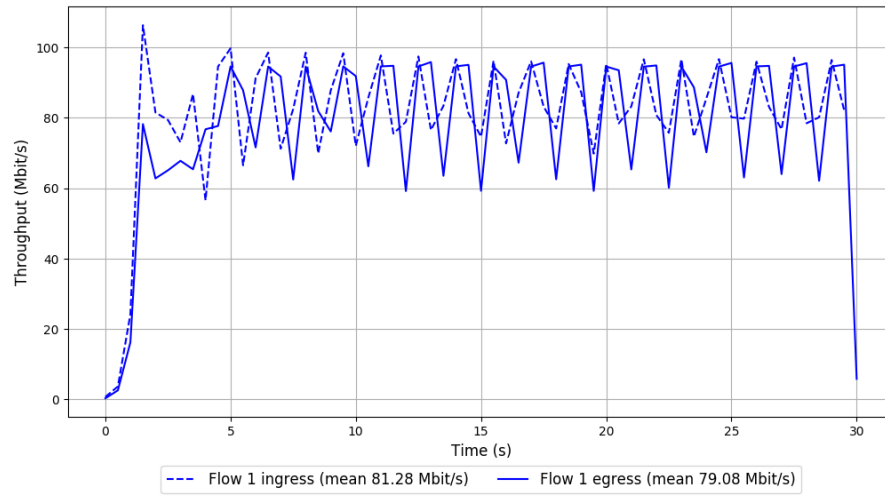


Run 8: Statistics of TCP BBR

Start at: 2018-04-17 07:40:23
End at: 2018-04-17 07:40:53
Local clock offset: -5.914 ms
Remote clock offset: 10.286 ms

Below is generated by plot.py at 2018-04-17 08:46:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 138.634 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 138.634 ms
Loss rate: 2.71%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 08:01:22

End at: 2018-04-17 08:01:52

Local clock offset: -4.884 ms

Remote clock offset: 5.048 ms

Below is generated by plot.py at 2018-04-17 08:47:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.03 Mbit/s

95th percentile per-packet one-way delay: 125.434 ms

Loss rate: 2.35%

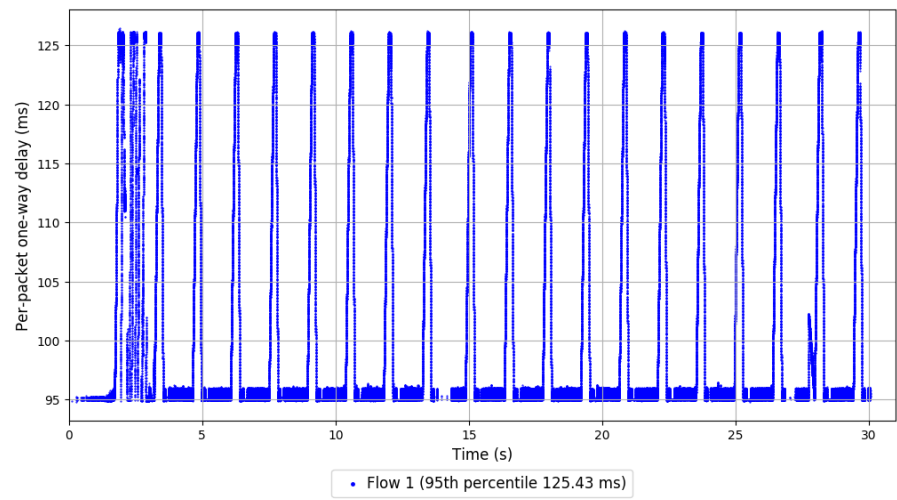
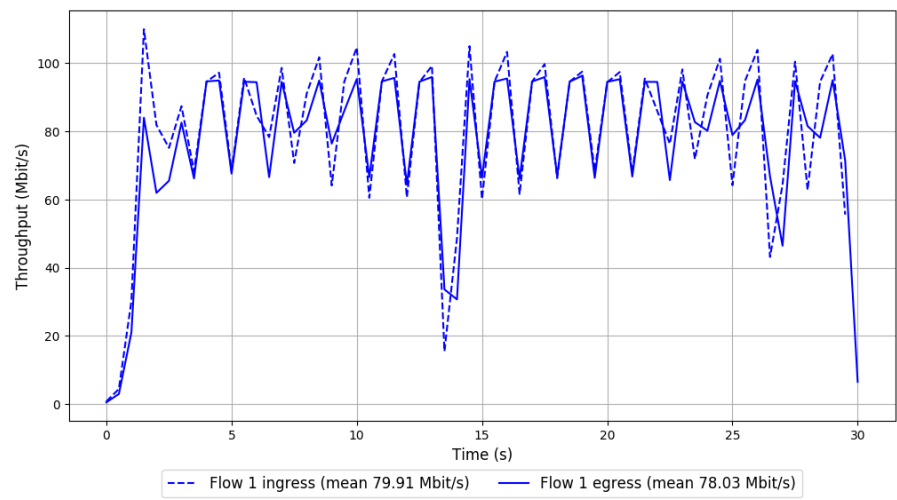
-- Flow 1:

Average throughput: 78.03 Mbit/s

95th percentile per-packet one-way delay: 125.434 ms

Loss rate: 2.35%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

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

End at: 2018-04-17 08:23:03

Local clock offset: -5.84 ms

Remote clock offset: 10.513 ms

Below is generated by plot.py at 2018-04-17 08:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.99 Mbit/s

95th percentile per-packet one-way delay: 154.147 ms

Loss rate: 1.83%

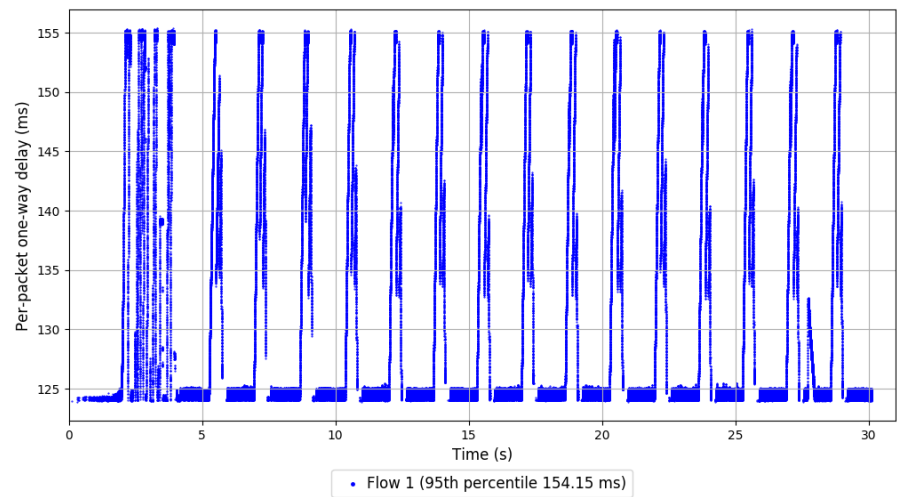
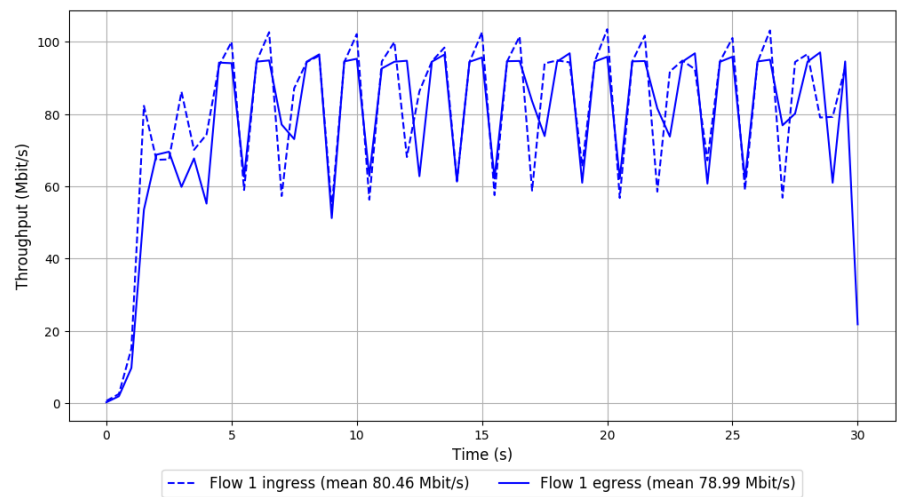
-- Flow 1:

Average throughput: 78.99 Mbit/s

95th percentile per-packet one-way delay: 154.147 ms

Loss rate: 1.83%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 05:06:10

End at: 2018-04-17 05:06:40

Local clock offset: -3.152 ms

Remote clock offset: 5.761 ms

Below is generated by plot.py at 2018-04-17 08:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.50 Mbit/s

95th percentile per-packet one-way delay: 112.420 ms

Loss rate: 0.35%

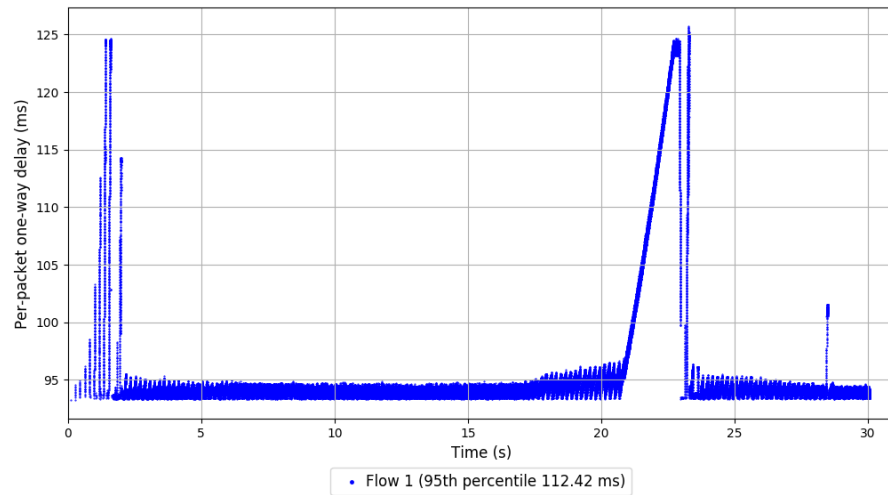
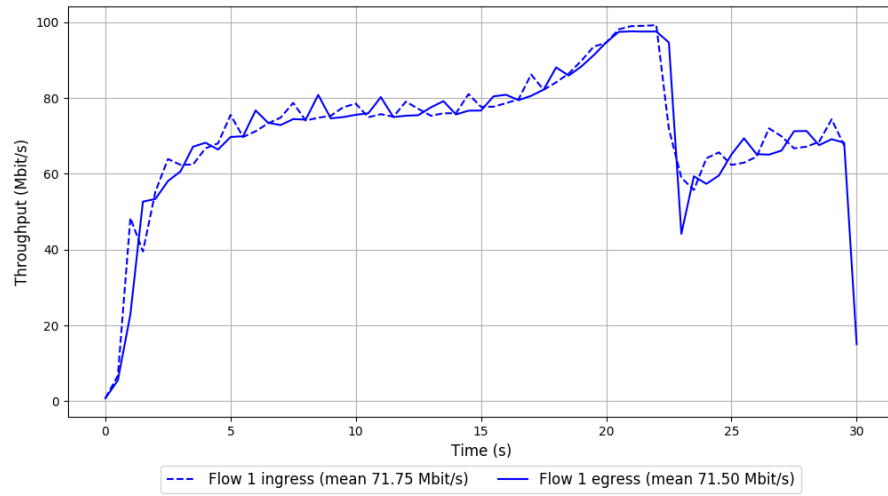
-- Flow 1:

Average throughput: 71.50 Mbit/s

95th percentile per-packet one-way delay: 112.420 ms

Loss rate: 0.35%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 05:27:34

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

Local clock offset: -3.886 ms

Remote clock offset: 6.405 ms

Below is generated by plot.py at 2018-04-17 08:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.04 Mbit/s

95th percentile per-packet one-way delay: 115.176 ms

Loss rate: 0.40%

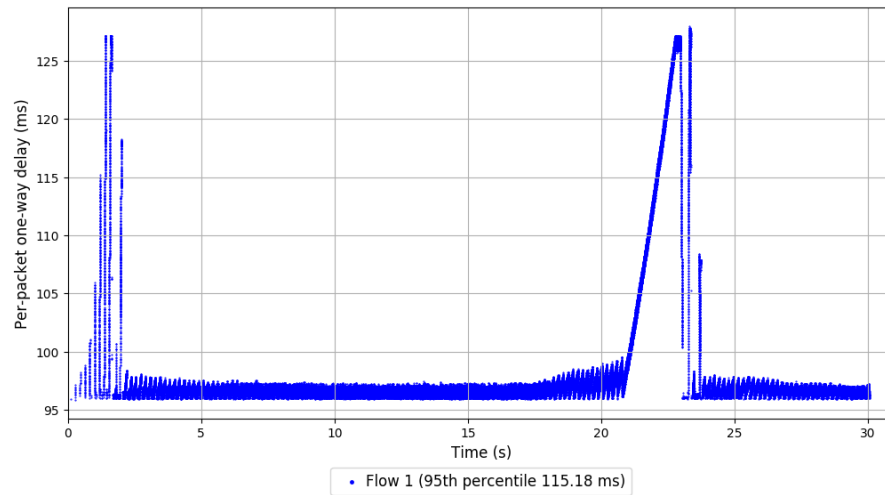
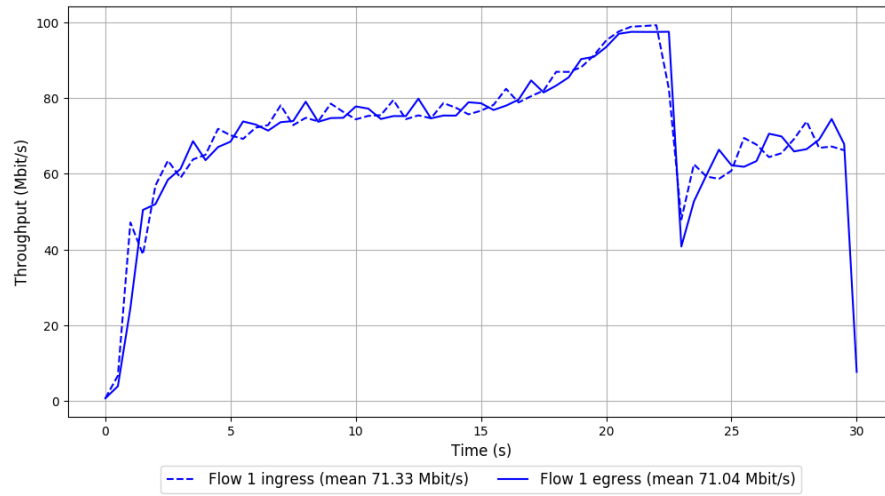
-- Flow 1:

Average throughput: 71.04 Mbit/s

95th percentile per-packet one-way delay: 115.176 ms

Loss rate: 0.40%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

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

Local clock offset: -3.499 ms

Remote clock offset: 5.663 ms

Below is generated by plot.py at 2018-04-17 08:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.84 Mbit/s

95th percentile per-packet one-way delay: 99.904 ms

Loss rate: 0.72%

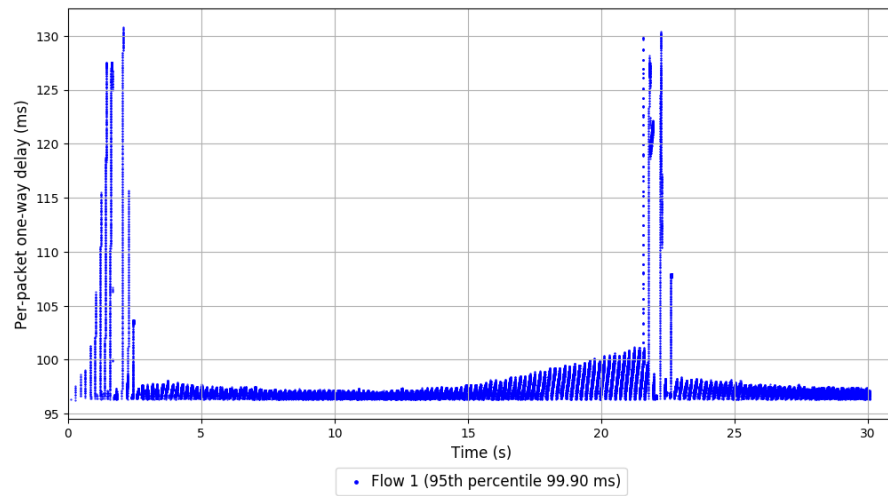
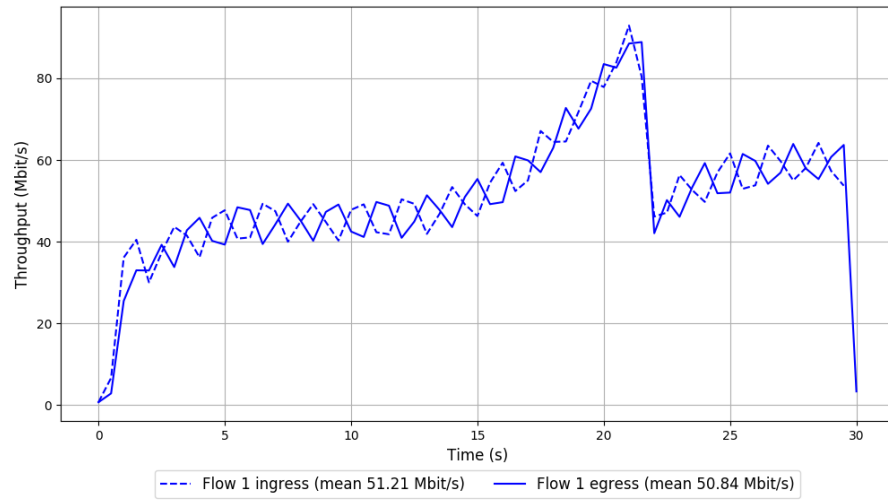
-- Flow 1:

Average throughput: 50.84 Mbit/s

95th percentile per-packet one-way delay: 99.904 ms

Loss rate: 0.72%

Run 3: Report of TCP Cubic — Data Link

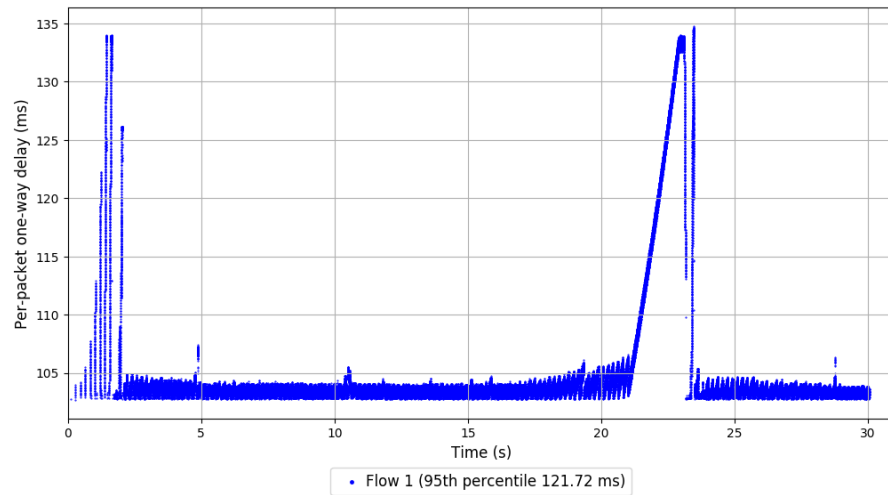
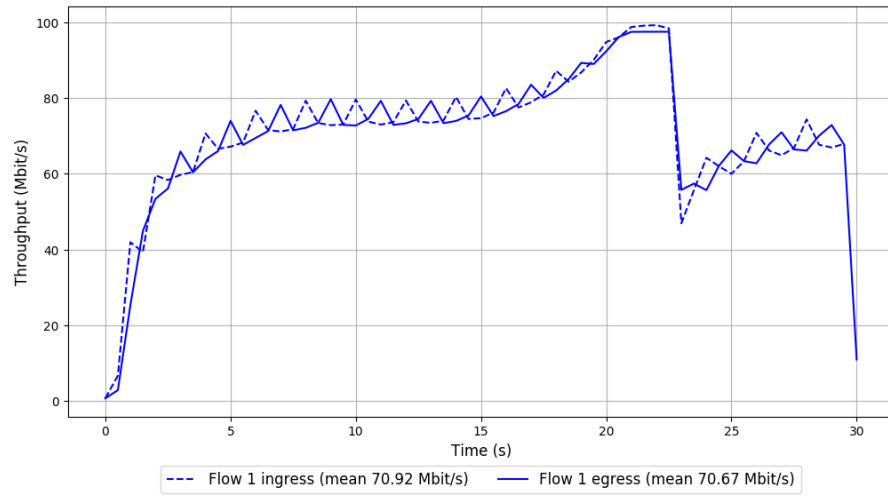


Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 06:09:34
End at: 2018-04-17 06:10:04
Local clock offset: -4.866 ms
Remote clock offset: 11.361 ms

Below is generated by plot.py at 2018-04-17 08:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 121.724 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 121.724 ms
Loss rate: 0.35%

Run 4: Report of TCP Cubic — Data Link

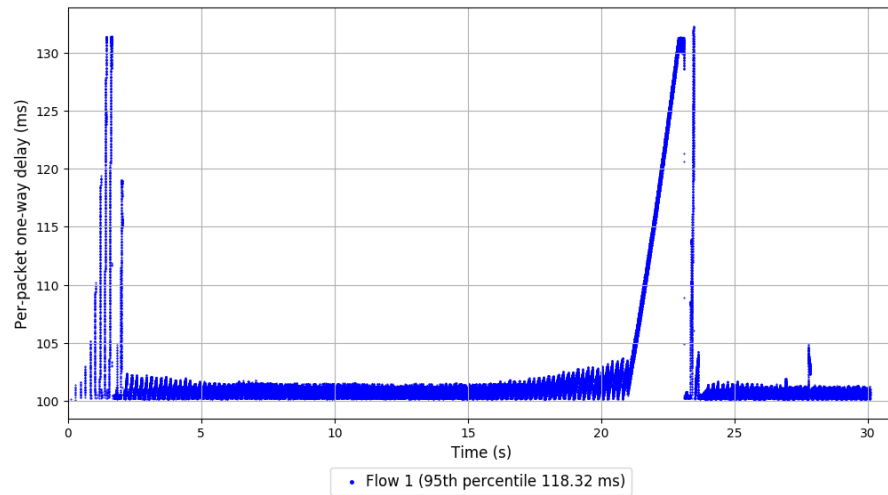
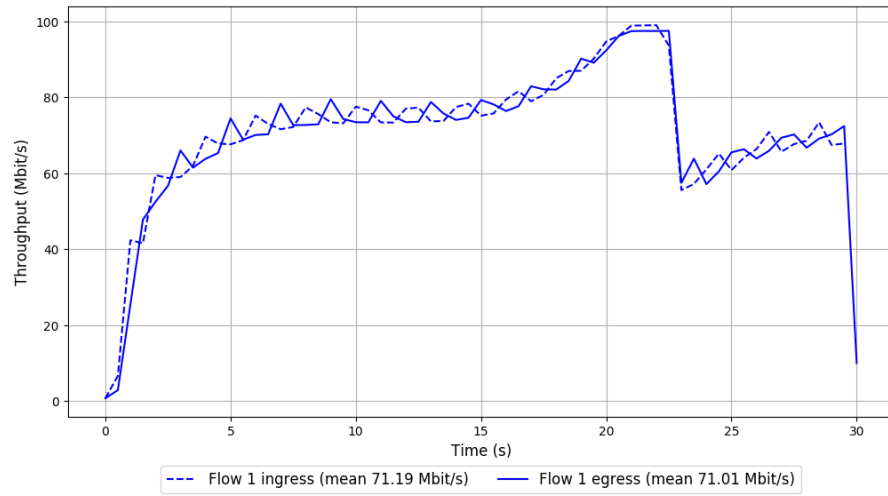


Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 06:30:42
End at: 2018-04-17 06:31:12
Local clock offset: -5.25 ms
Remote clock offset: 10.597 ms

Below is generated by plot.py at 2018-04-17 08:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: 118.323 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: 118.323 ms
Loss rate: 0.26%

Run 5: Report of TCP Cubic — Data Link

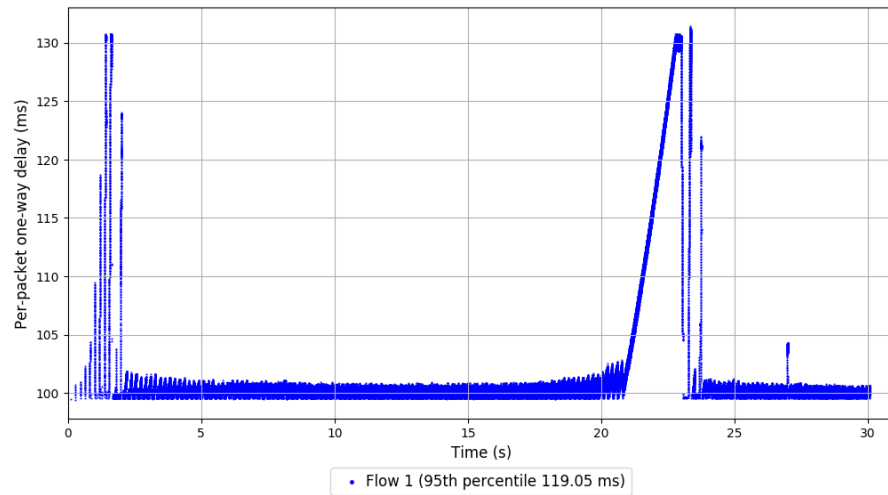
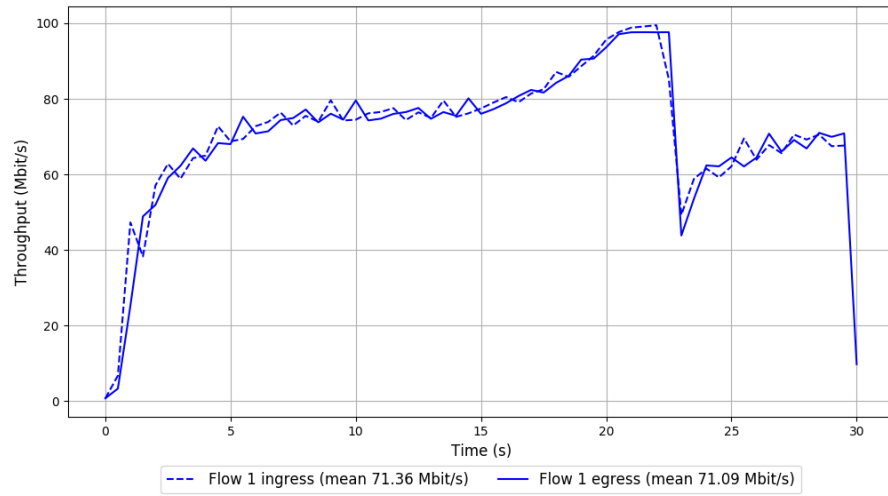


Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 06:51:55
End at: 2018-04-17 06:52:25
Local clock offset: -5.292 ms
Remote clock offset: 11.018 ms

Below is generated by plot.py at 2018-04-17 08:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.09 Mbit/s
95th percentile per-packet one-way delay: 119.046 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 71.09 Mbit/s
95th percentile per-packet one-way delay: 119.046 ms
Loss rate: 0.37%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 07:13:10

End at: 2018-04-17 07:13:40

Local clock offset: -4.714 ms

Remote clock offset: 5.799 ms

Below is generated by plot.py at 2018-04-17 08:47:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.19 Mbit/s

95th percentile per-packet one-way delay: 115.991 ms

Loss rate: 0.71%

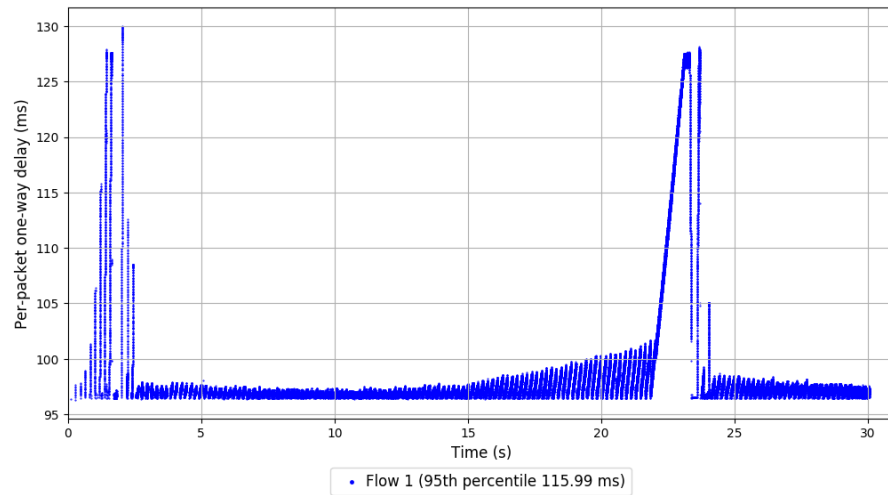
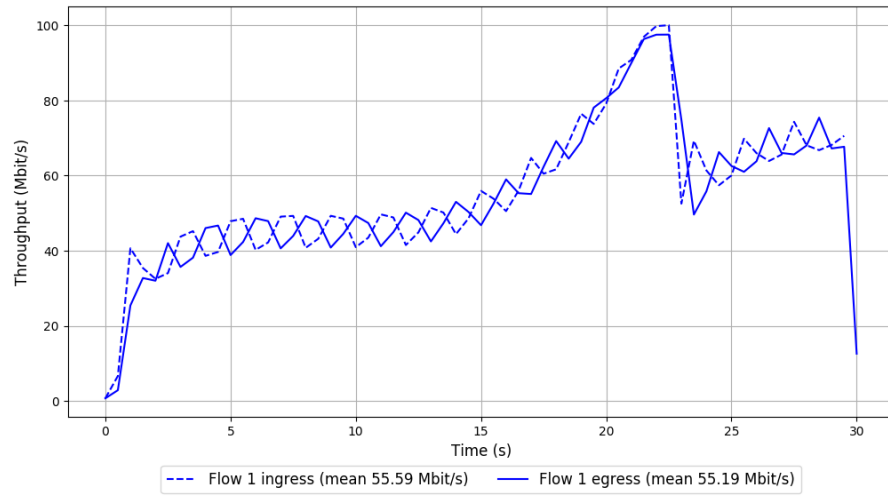
-- Flow 1:

Average throughput: 55.19 Mbit/s

95th percentile per-packet one-way delay: 115.991 ms

Loss rate: 0.71%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 07:34:18

End at: 2018-04-17 07:34:48

Local clock offset: -4.396 ms

Remote clock offset: 3.847 ms

Below is generated by plot.py at 2018-04-17 08:48:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.65 Mbit/s

95th percentile per-packet one-way delay: 112.221 ms

Loss rate: 0.35%

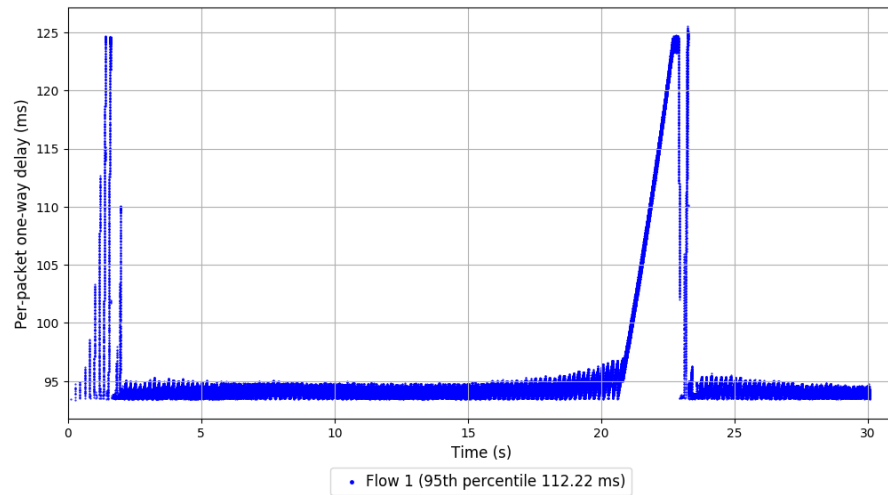
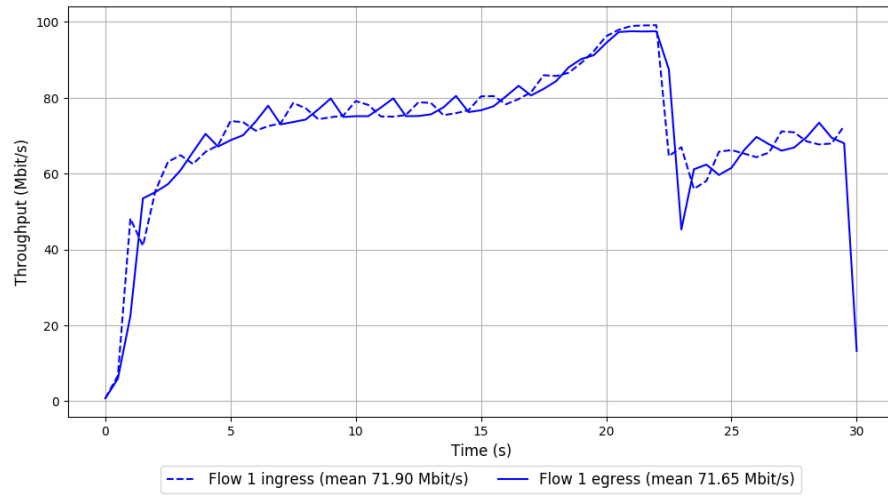
-- Flow 1:

Average throughput: 71.65 Mbit/s

95th percentile per-packet one-way delay: 112.221 ms

Loss rate: 0.35%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 07:55:16

End at: 2018-04-17 07:55:46

Local clock offset: -4.9 ms

Remote clock offset: 4.131 ms

Below is generated by plot.py at 2018-04-17 08:48:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.98 Mbit/s

95th percentile per-packet one-way delay: 113.204 ms

Loss rate: 0.40%

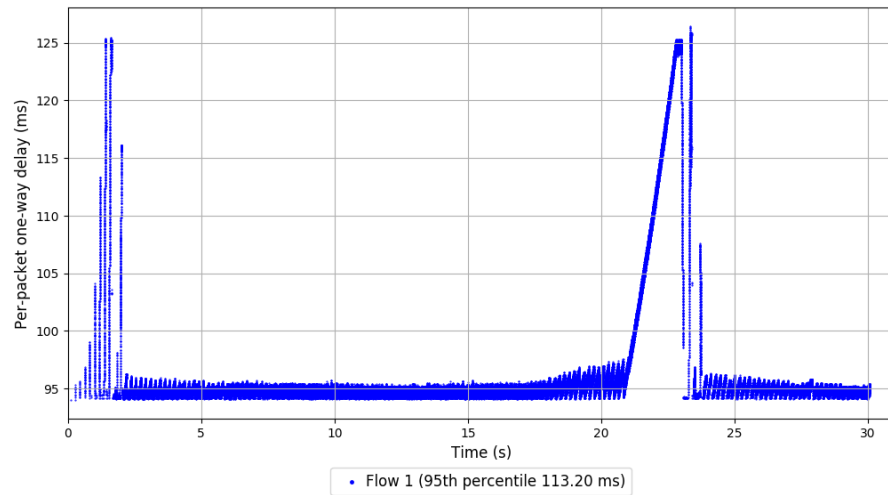
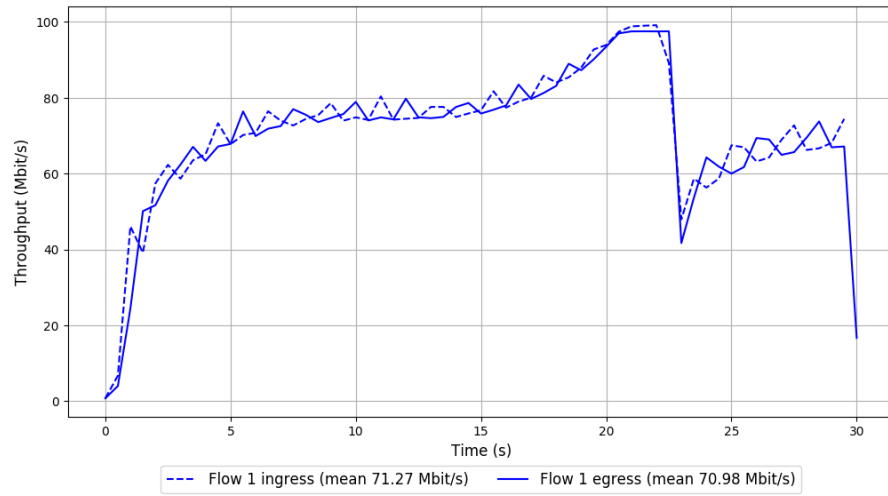
-- Flow 1:

Average throughput: 70.98 Mbit/s

95th percentile per-packet one-way delay: 113.204 ms

Loss rate: 0.40%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 08:16:23

End at: 2018-04-17 08:16:53

Local clock offset: -4.321 ms

Remote clock offset: 8.978 ms

Below is generated by plot.py at 2018-04-17 08:48:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.26 Mbit/s

95th percentile per-packet one-way delay: 146.299 ms

Loss rate: 0.50%

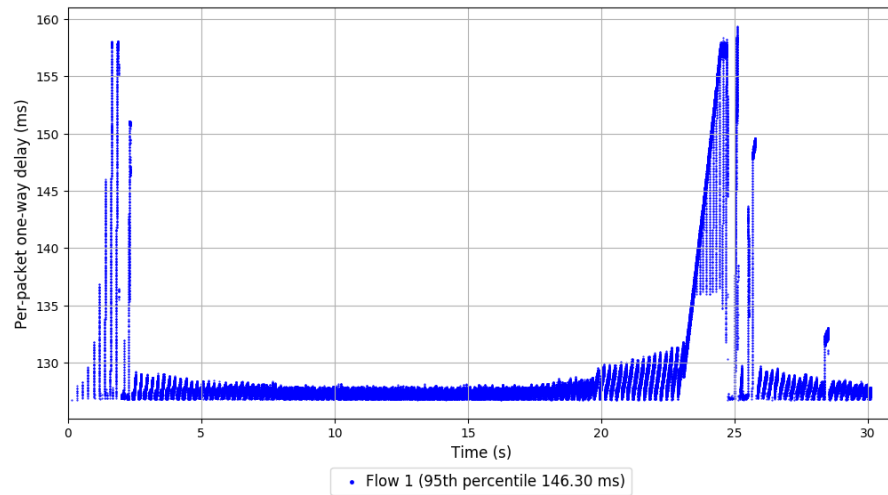
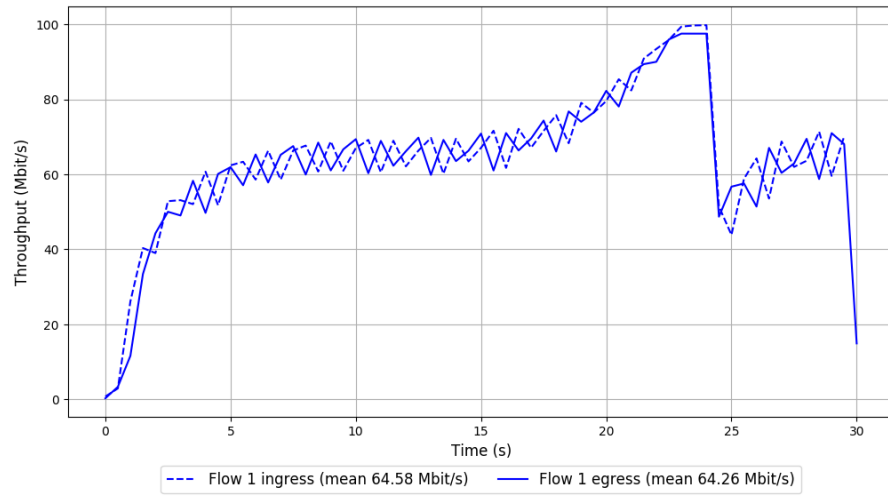
-- Flow 1:

Average throughput: 64.26 Mbit/s

95th percentile per-packet one-way delay: 146.299 ms

Loss rate: 0.50%

Run 10: Report of TCP Cubic — Data Link

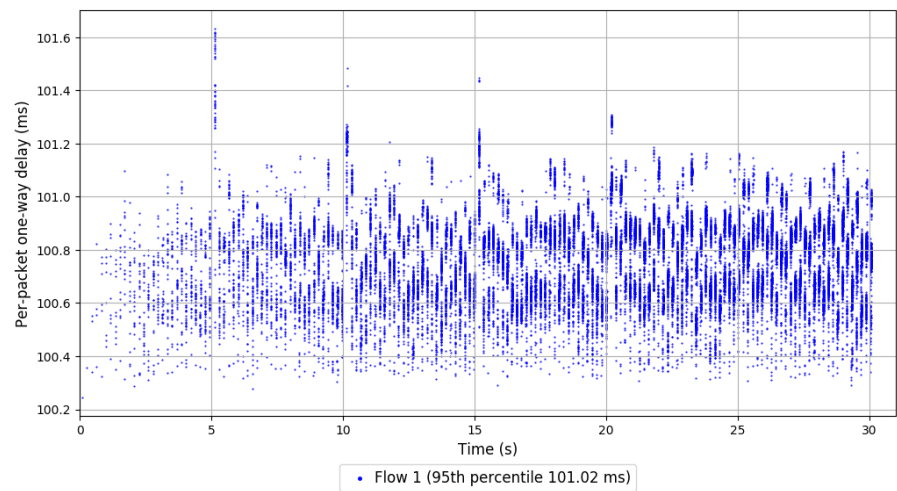
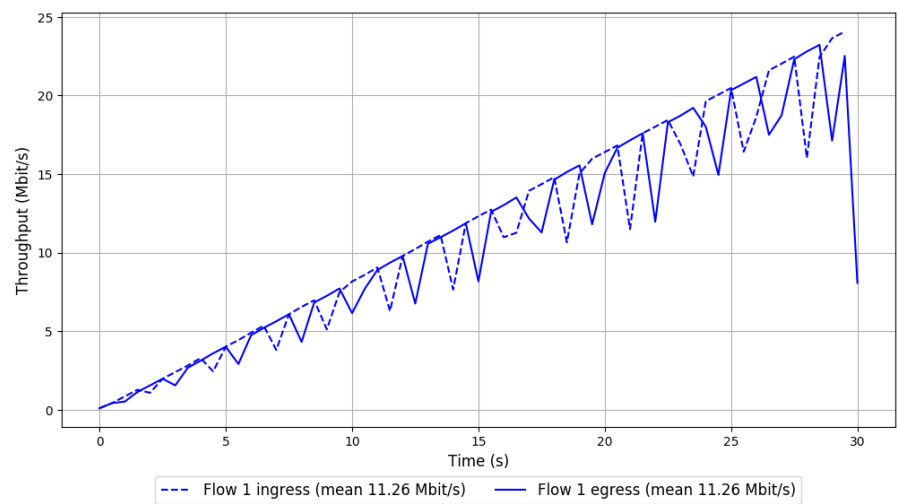


Run 1: Statistics of LEDBAT

Start at: 2018-04-17 05:03:47
End at: 2018-04-17 05:04:17
Local clock offset: -3.968 ms
Remote clock offset: 12.293 ms

Below is generated by plot.py at 2018-04-17 08:48:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 101.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 101.023 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

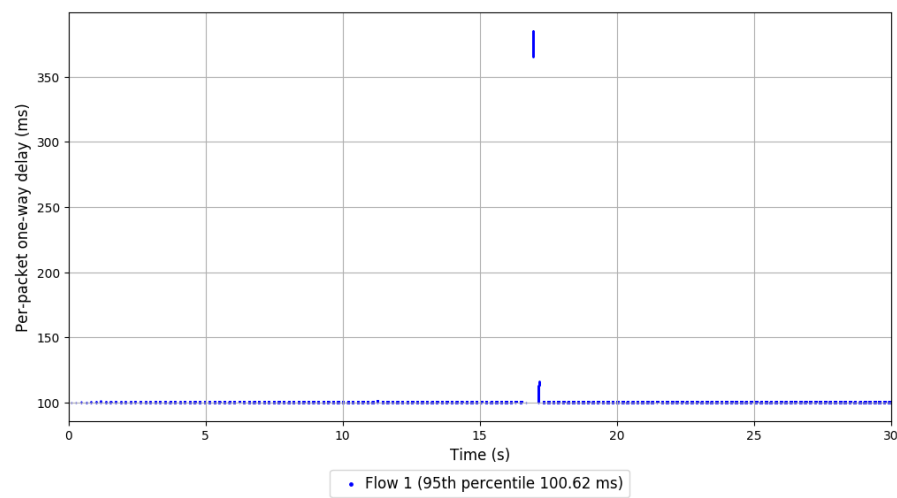
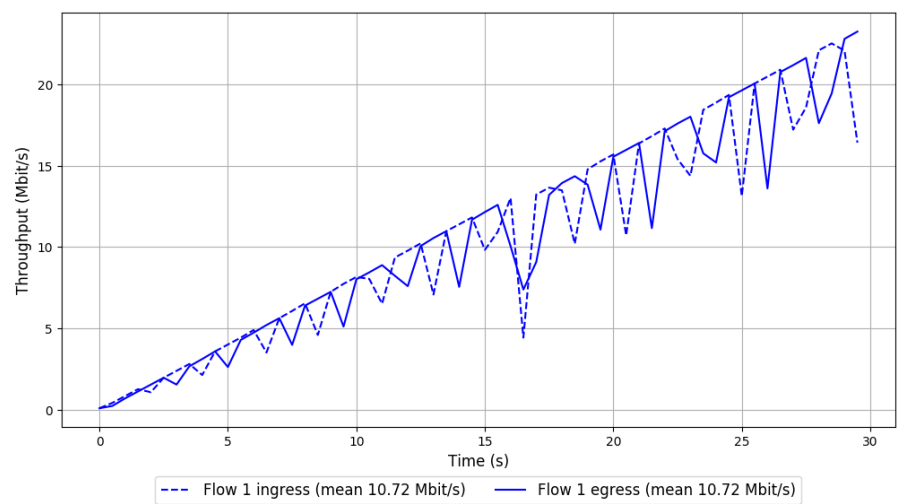


Run 2: Statistics of LEDBAT

Start at: 2018-04-17 05:25:10
End at: 2018-04-17 05:25:40
Local clock offset: -3.757 ms
Remote clock offset: 11.291 ms

Below is generated by plot.py at 2018-04-17 08:48:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 100.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 100.623 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

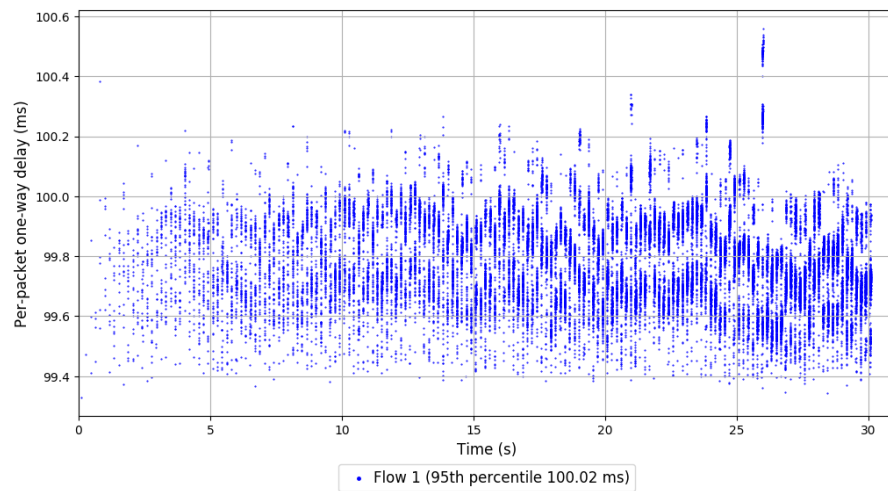
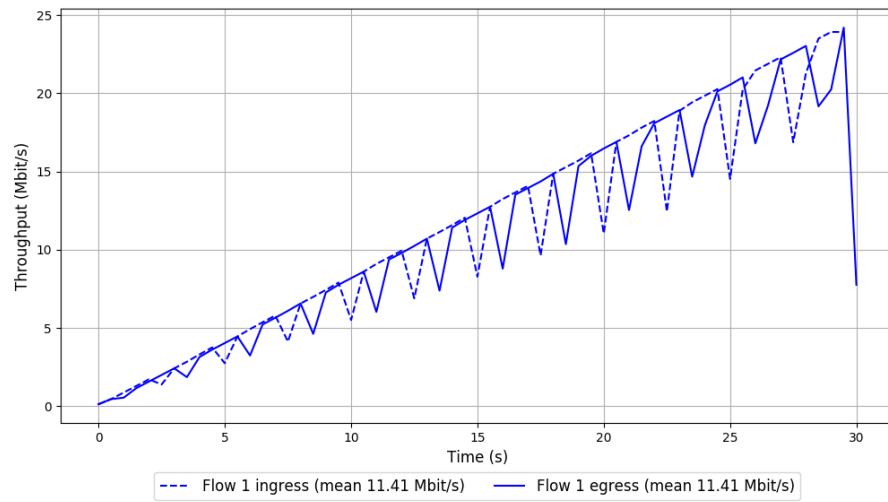


Run 3: Statistics of LEDBAT

Start at: 2018-04-17 05:46:19
End at: 2018-04-17 05:46:49
Local clock offset: -4.33 ms
Remote clock offset: 11.293 ms

Below is generated by plot.py at 2018-04-17 08:48:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 100.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 100.023 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

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

End at: 2018-04-17 06:07:41

Local clock offset: -4.072 ms

Remote clock offset: 5.762 ms

Below is generated by plot.py at 2018-04-17 08:48:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 95.635 ms

Loss rate: 0.00%

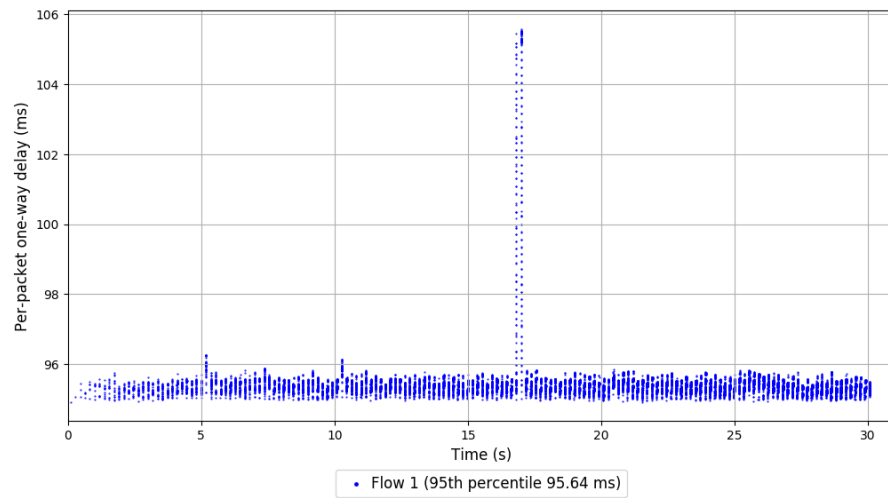
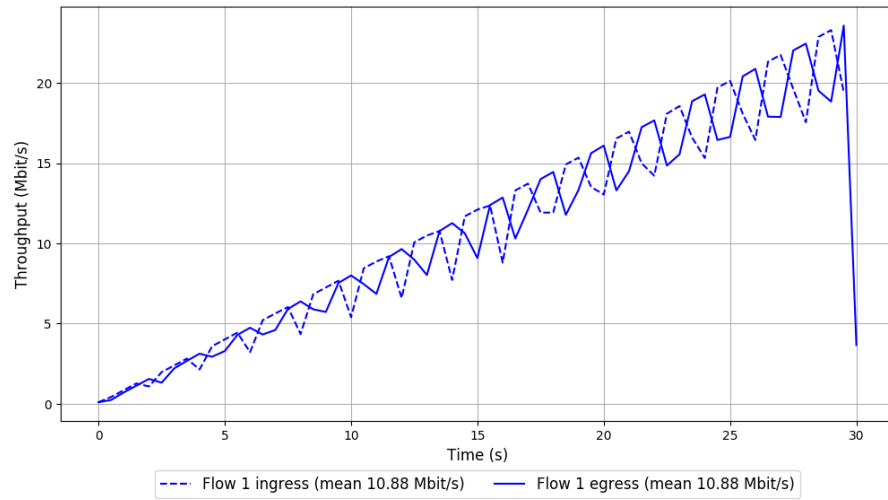
-- Flow 1:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 95.635 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-17 06:28:18

End at: 2018-04-17 06:28:49

Local clock offset: -6.06 ms

Remote clock offset: 6.586 ms

Below is generated by plot.py at 2018-04-17 08:48:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.25 Mbit/s

95th percentile per-packet one-way delay: 97.421 ms

Loss rate: 0.00%

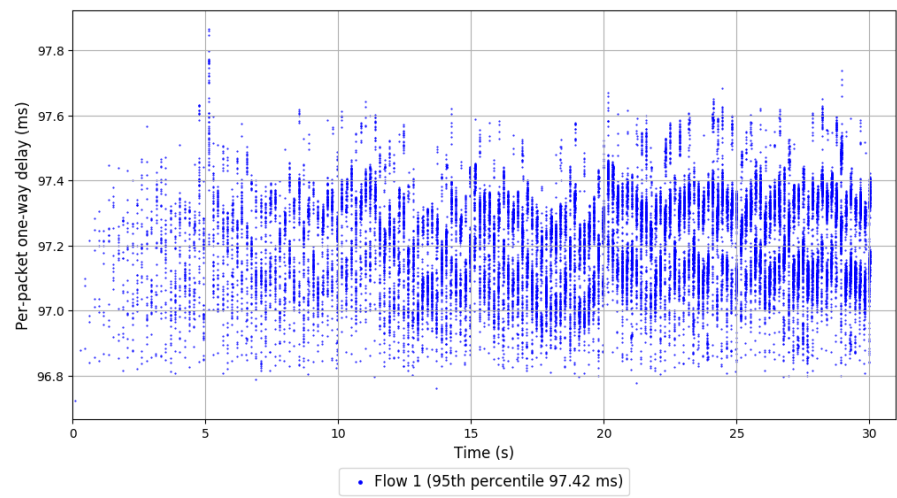
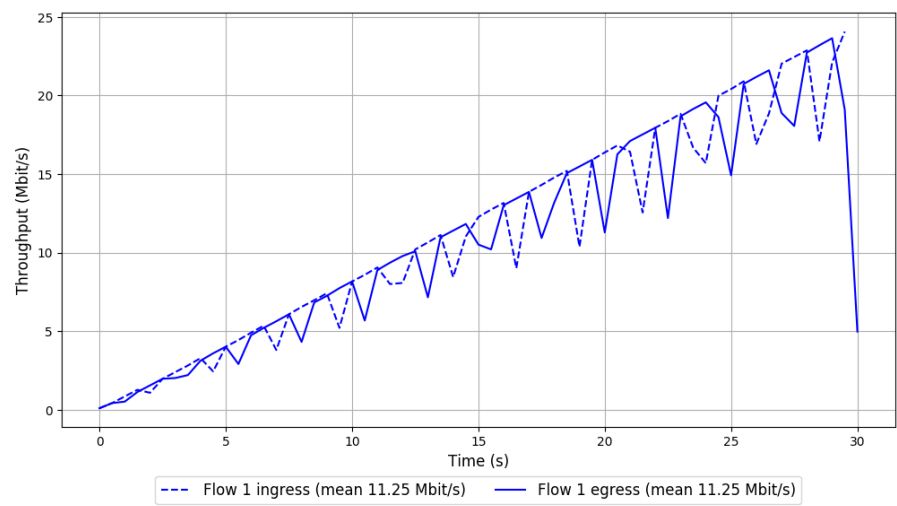
-- Flow 1:

Average throughput: 11.25 Mbit/s

95th percentile per-packet one-way delay: 97.421 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-17 06:49:32

End at: 2018-04-17 06:50:02

Local clock offset: -4.59 ms

Remote clock offset: 7.049 ms

Below is generated by plot.py at 2018-04-17 08:48:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.37 Mbit/s

95th percentile per-packet one-way delay: 104.102 ms

Loss rate: 0.00%

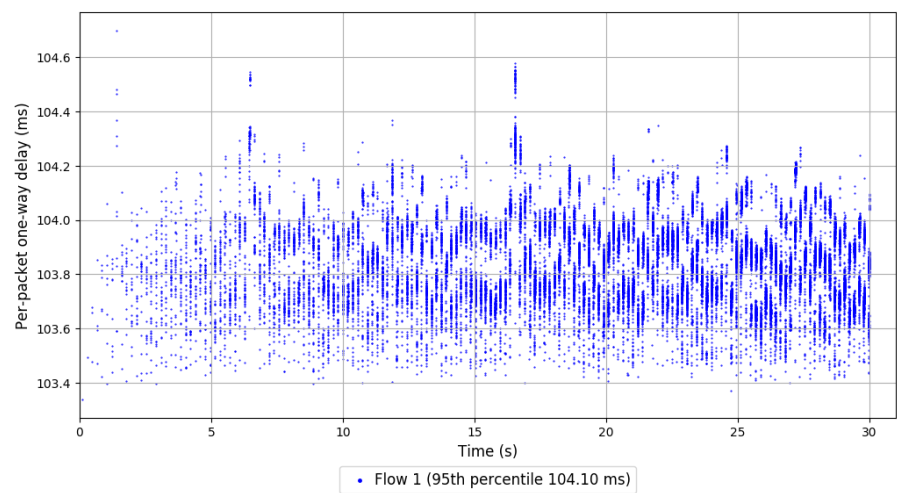
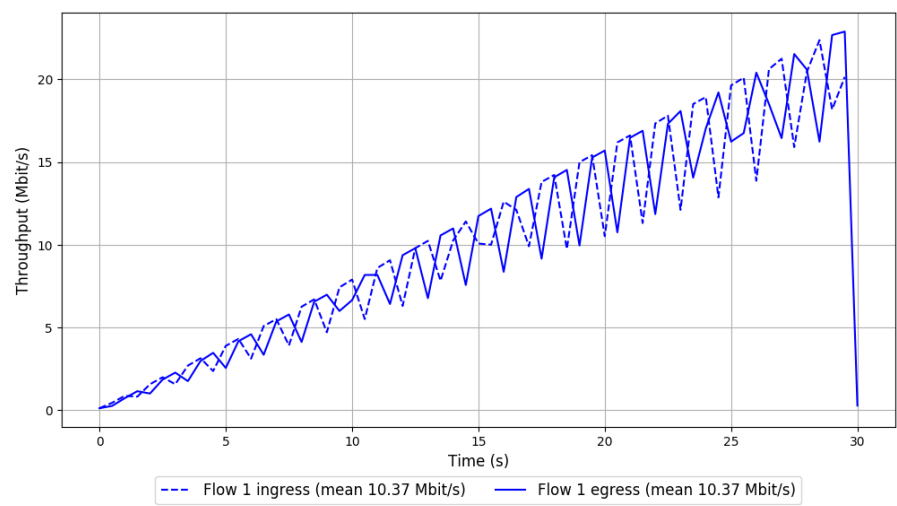
-- Flow 1:

Average throughput: 10.37 Mbit/s

95th percentile per-packet one-way delay: 104.102 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

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

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

Local clock offset: -4.602 ms

Remote clock offset: 5.306 ms

Below is generated by plot.py at 2018-04-17 08:48:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 93.321 ms

Loss rate: 0.00%

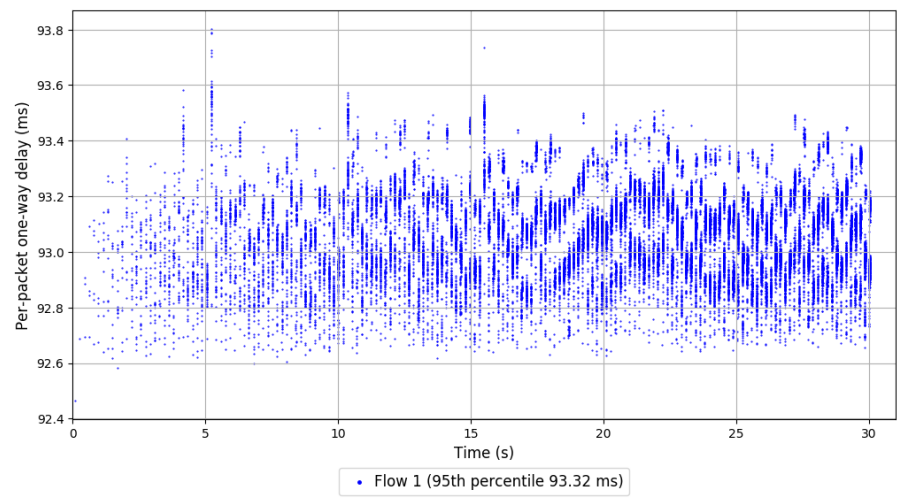
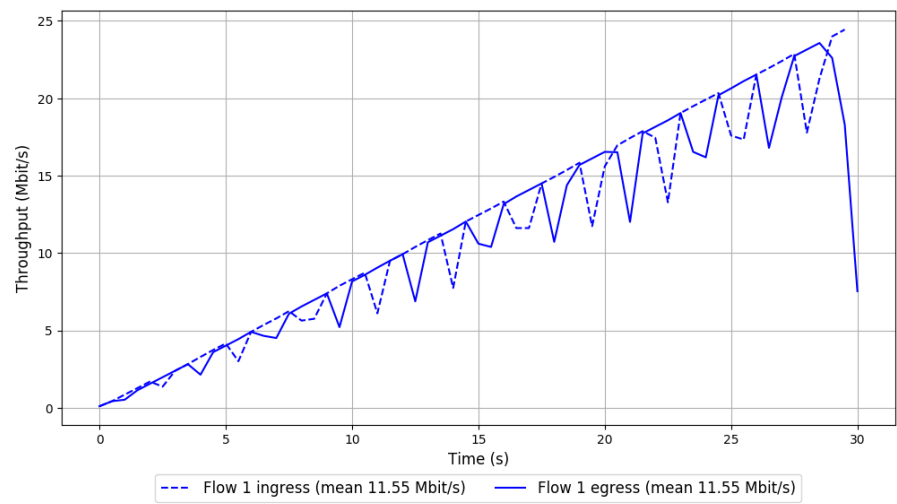
-- Flow 1:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 93.321 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

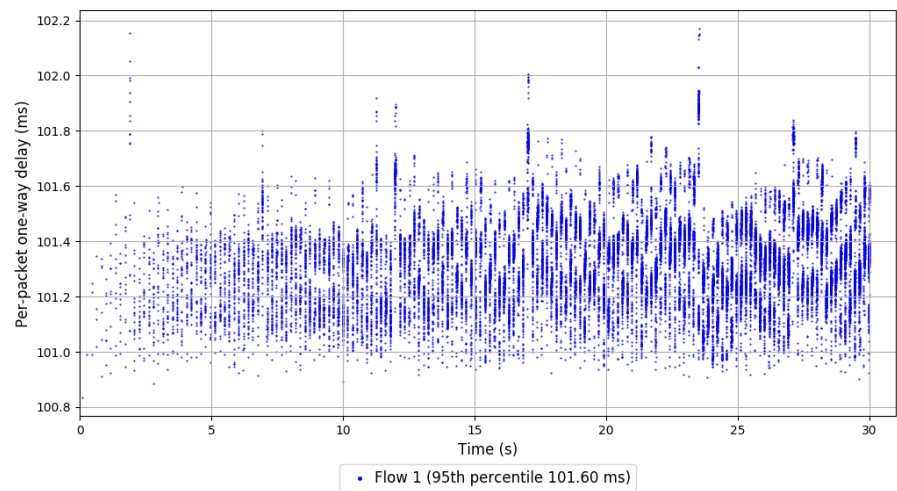
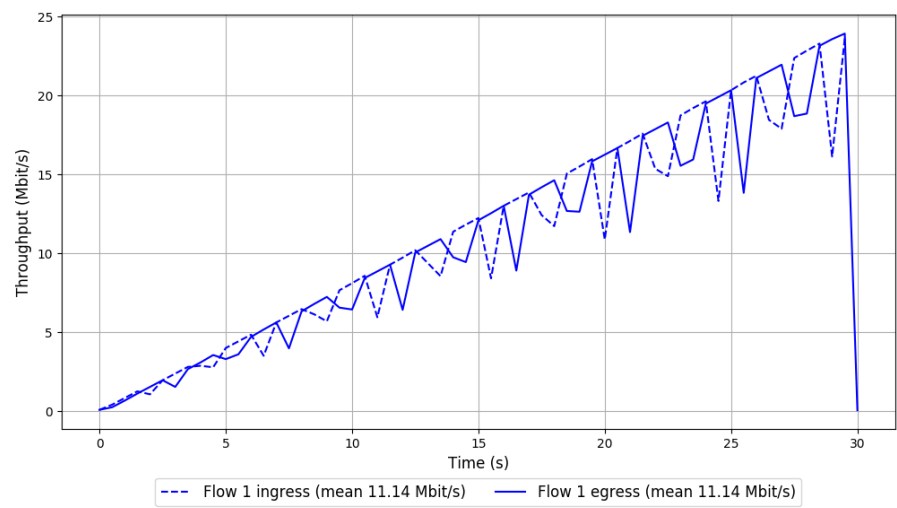


Run 8: Statistics of LEDBAT

Start at: 2018-04-17 07:31:55
End at: 2018-04-17 07:32:25
Local clock offset: -5.861 ms
Remote clock offset: 10.469 ms

Below is generated by plot.py at 2018-04-17 08:48:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 101.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 101.596 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

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

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

Local clock offset: -4.16 ms

Remote clock offset: 5.04 ms

Below is generated by plot.py at 2018-04-17 08:48:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 96.101 ms

Loss rate: 0.00%

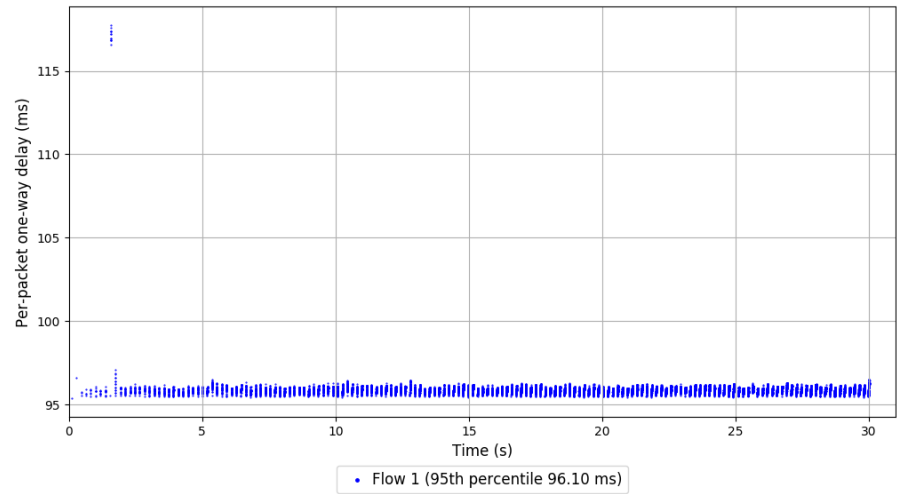
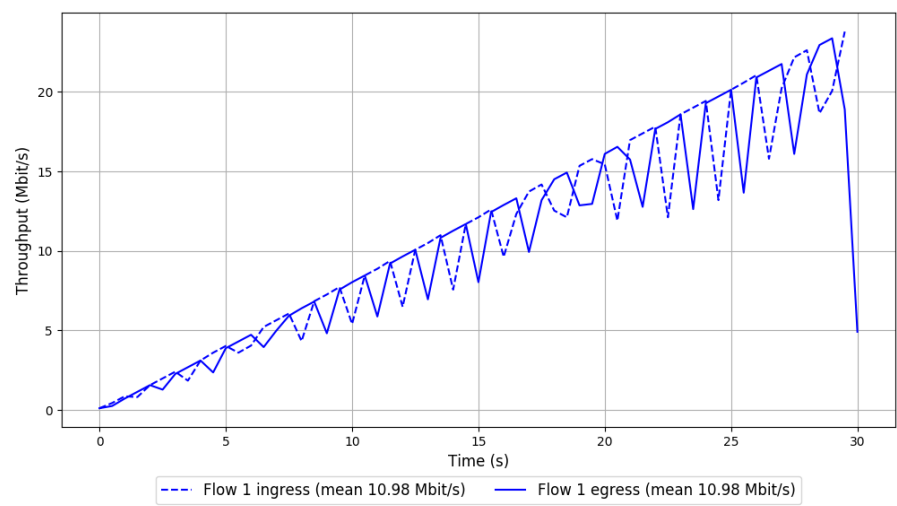
-- Flow 1:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 96.101 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-17 08:14:00

End at: 2018-04-17 08:14:30

Local clock offset: -5.547 ms

Remote clock offset: 4.169 ms

Below is generated by plot.py at 2018-04-17 08:48:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.37 Mbit/s

95th percentile per-packet one-way delay: 102.534 ms

Loss rate: 0.00%

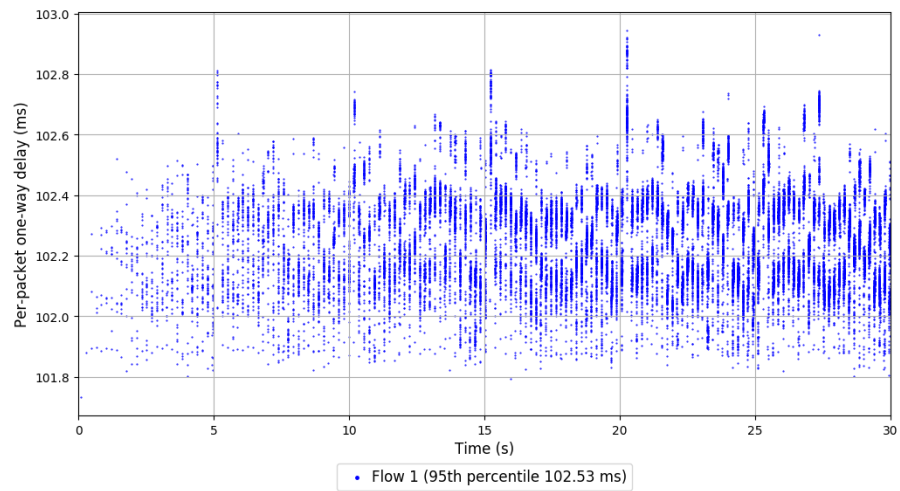
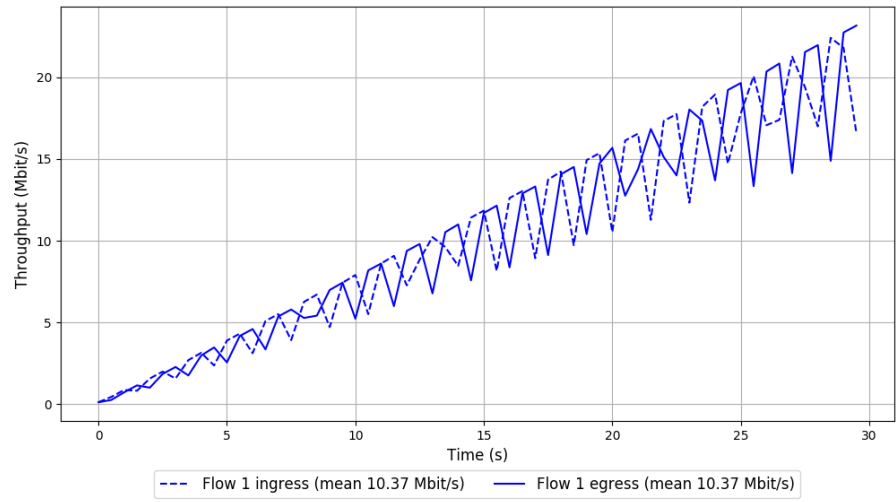
-- Flow 1:

Average throughput: 10.37 Mbit/s

95th percentile per-packet one-way delay: 102.534 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

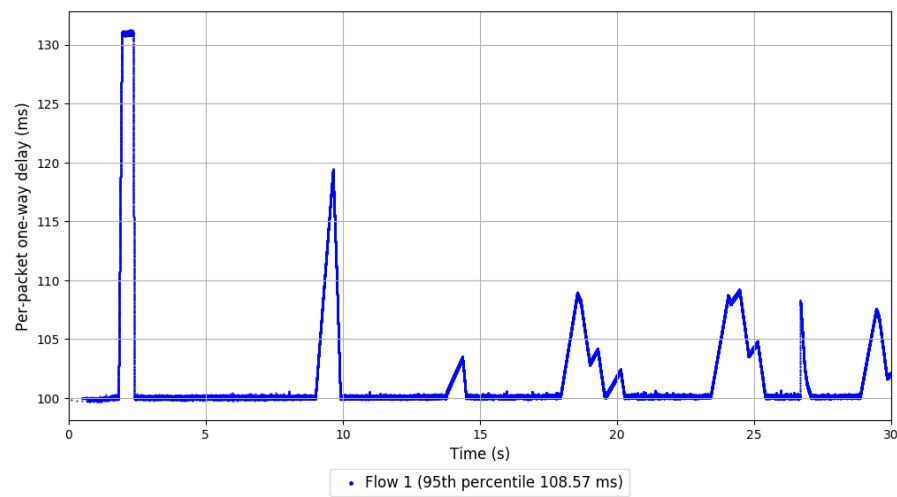
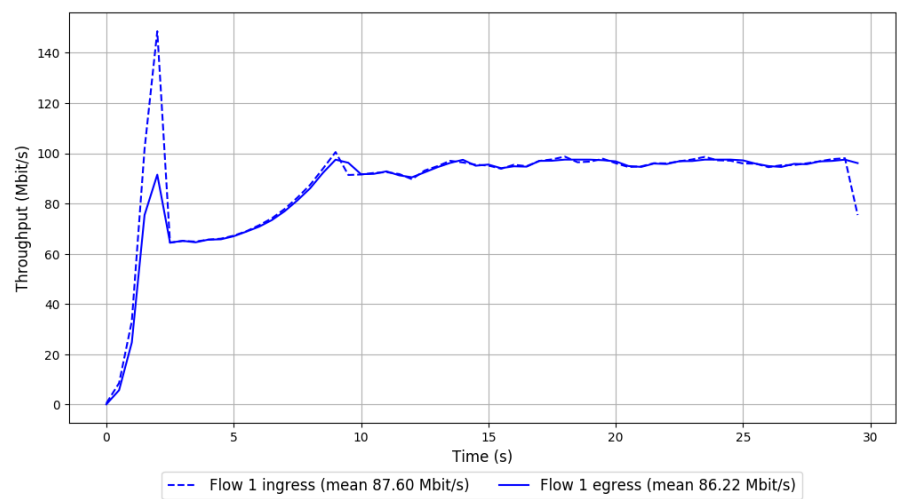


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 05:09:52
End at: 2018-04-17 05:10:22
Local clock offset: -3.102 ms
Remote clock offset: 5.601 ms

# Below is generated by plot.py at 2018-04-17 08:49:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 108.566 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 108.566 ms
Loss rate: 1.57%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 05:31:10

End at: 2018-04-17 05:31:40

Local clock offset: -4.026 ms

Remote clock offset: 5.629 ms

Below is generated by plot.py at 2018-04-17 08:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.48 Mbit/s

95th percentile per-packet one-way delay: 104.986 ms

Loss rate: 1.53%

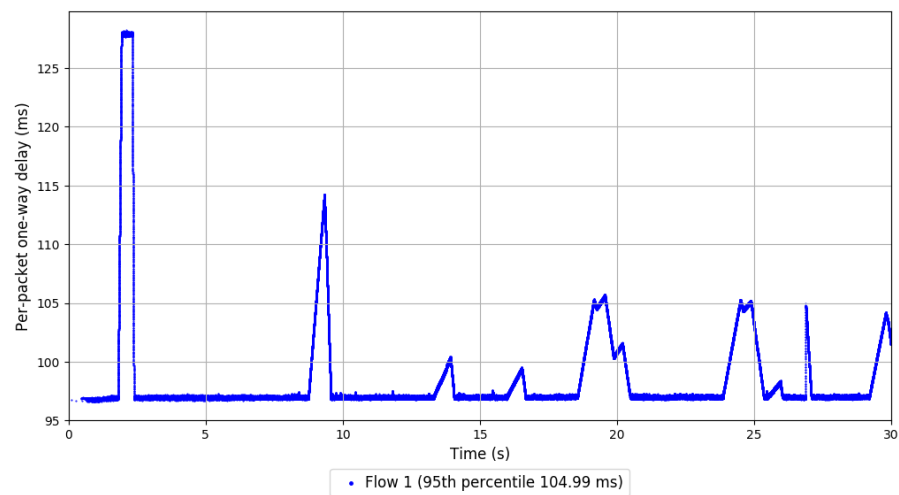
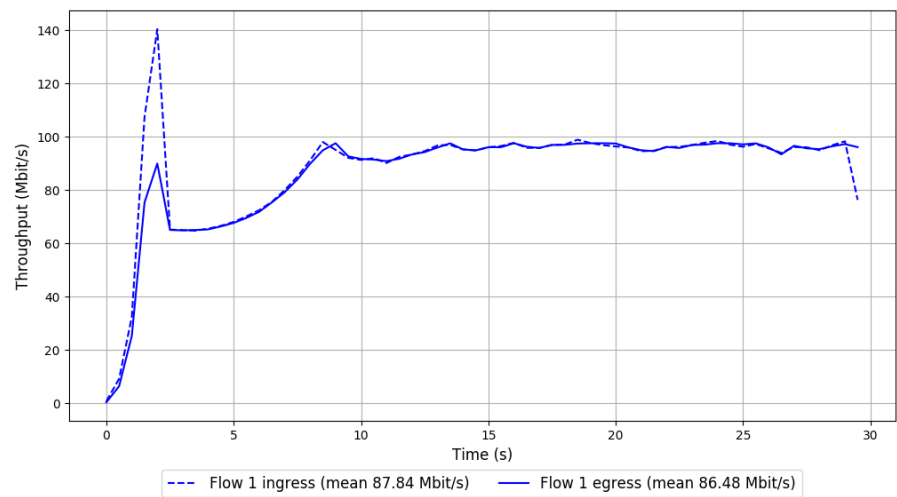
-- Flow 1:

Average throughput: 86.48 Mbit/s

95th percentile per-packet one-way delay: 104.986 ms

Loss rate: 1.53%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 05:52:18

End at: 2018-04-17 05:52:48

Local clock offset: -3.485 ms

Remote clock offset: 11.416 ms

Below is generated by plot.py at 2018-04-17 08:49:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.78 Mbit/s

95th percentile per-packet one-way delay: 108.204 ms

Loss rate: 1.52%

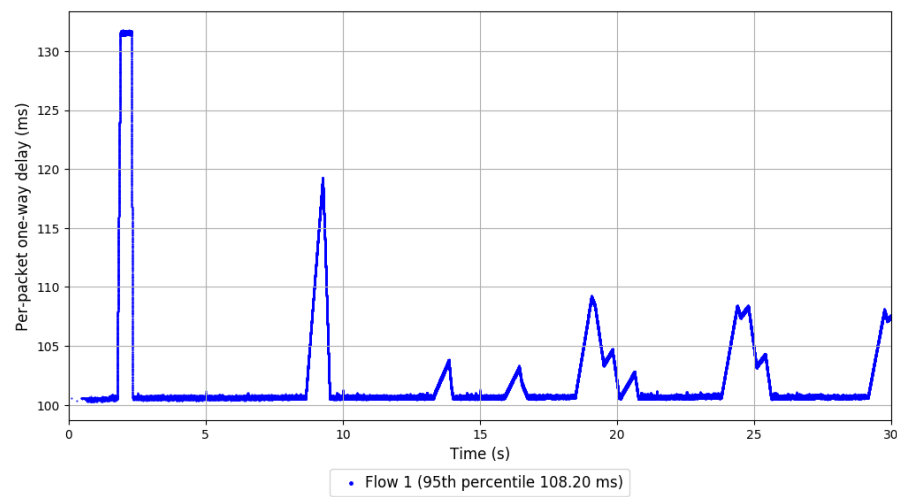
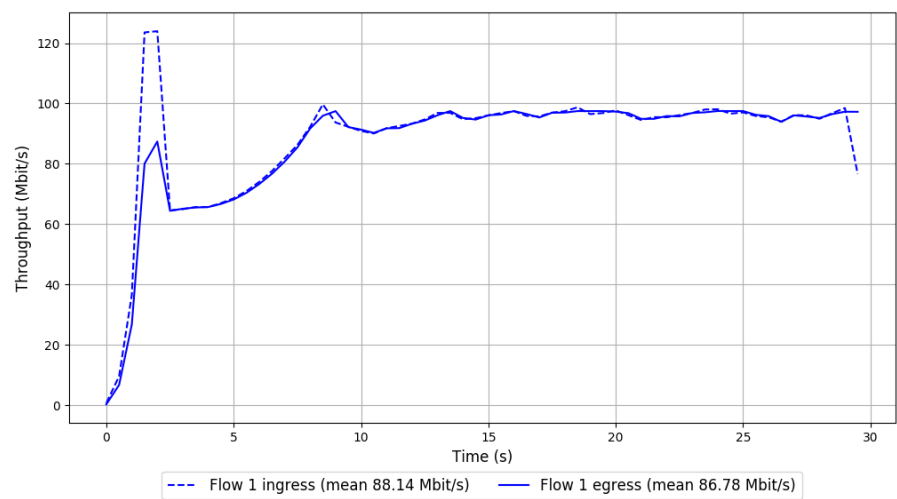
-- Flow 1:

Average throughput: 86.78 Mbit/s

95th percentile per-packet one-way delay: 108.204 ms

Loss rate: 1.52%

Run 3: Report of PCC-Allegro — Data Link

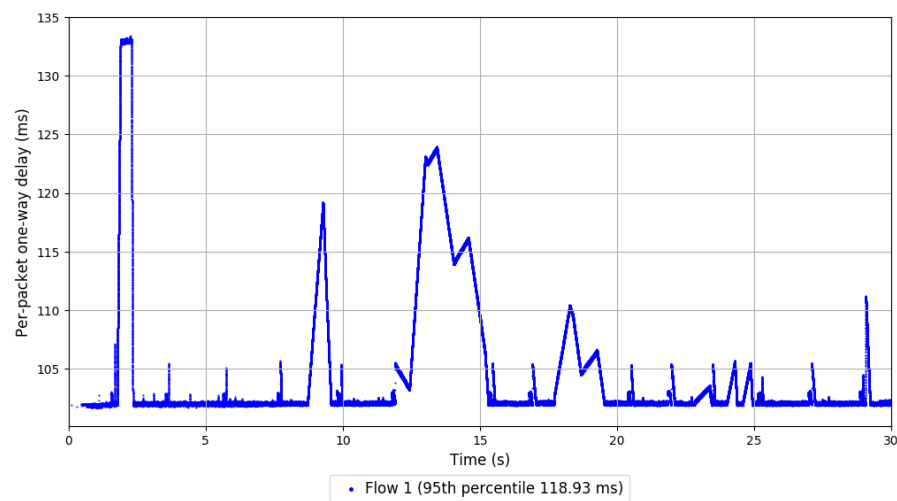
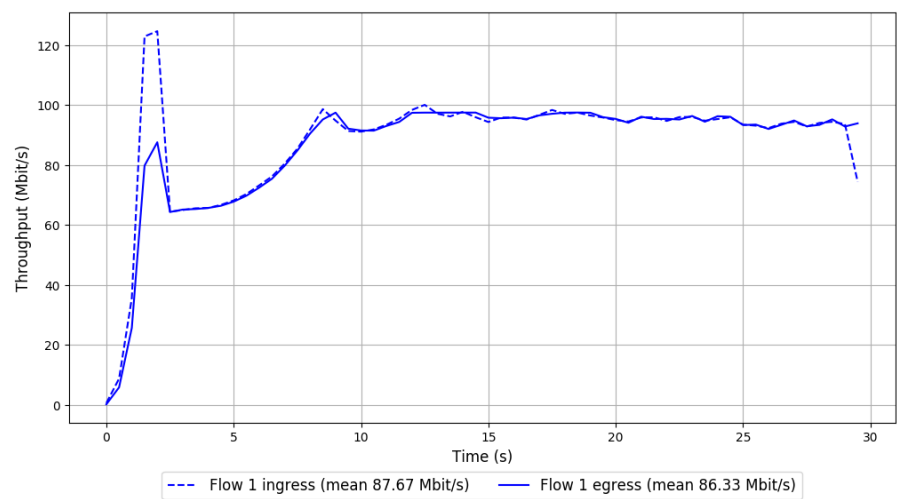


Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 06:13:11
End at: 2018-04-17 06:13:41
Local clock offset: -5.025 ms
Remote clock offset: 12.279 ms

Below is generated by plot.py at 2018-04-17 08:49:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 118.928 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 118.928 ms
Loss rate: 1.53%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 06:34:19

End at: 2018-04-17 06:34:49

Local clock offset: -4.373 ms

Remote clock offset: 11.626 ms

Below is generated by plot.py at 2018-04-17 08:49:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 108.785 ms

Loss rate: 1.53%

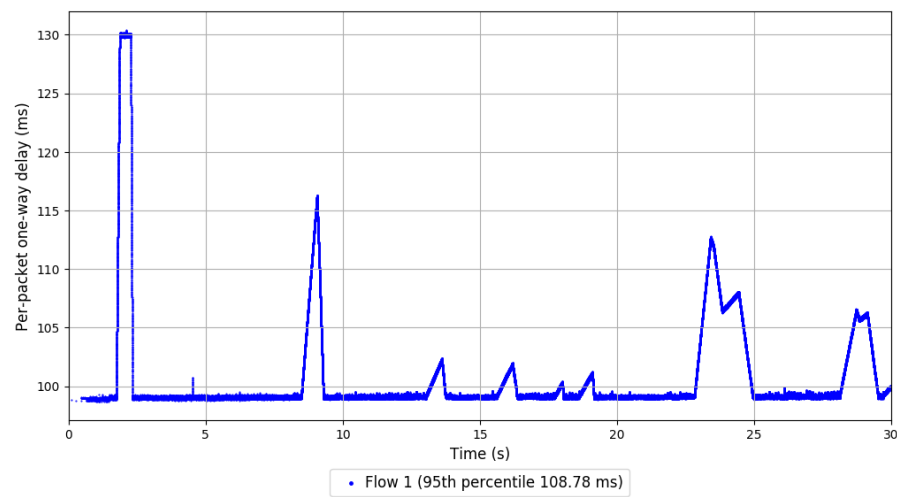
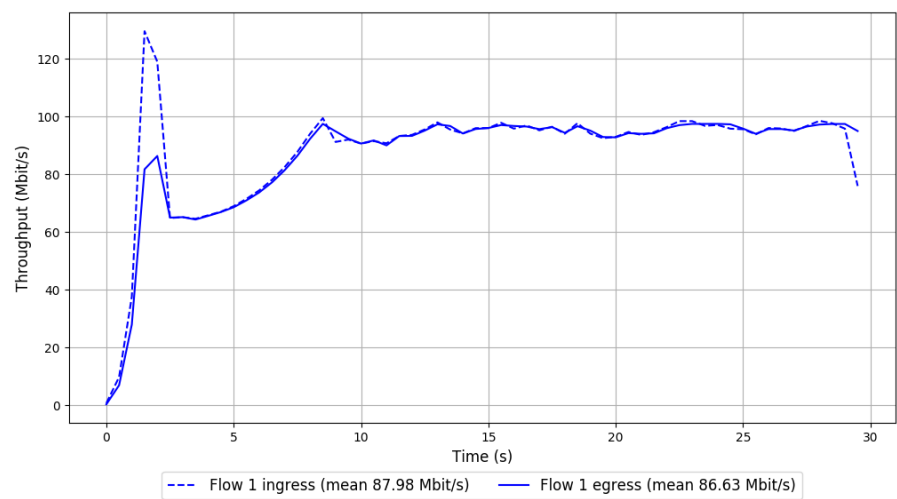
-- Flow 1:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 108.785 ms

Loss rate: 1.53%

Run 5: Report of PCC-Allegro — Data Link

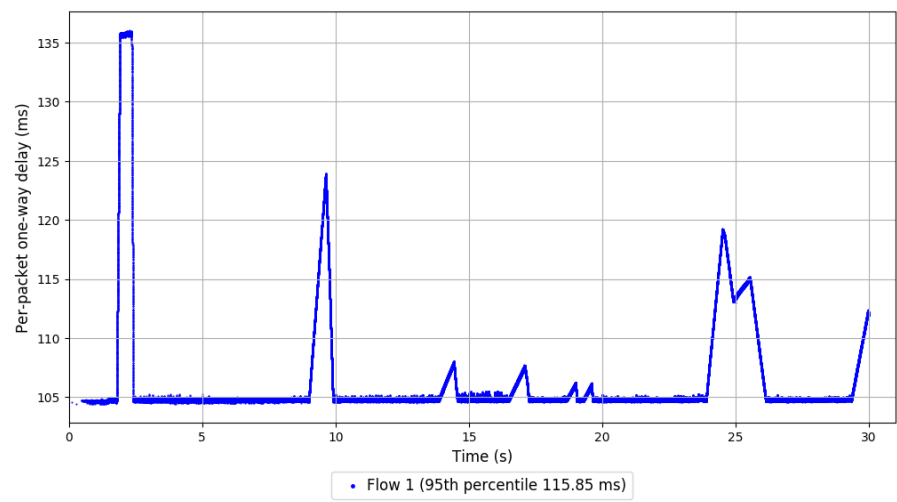
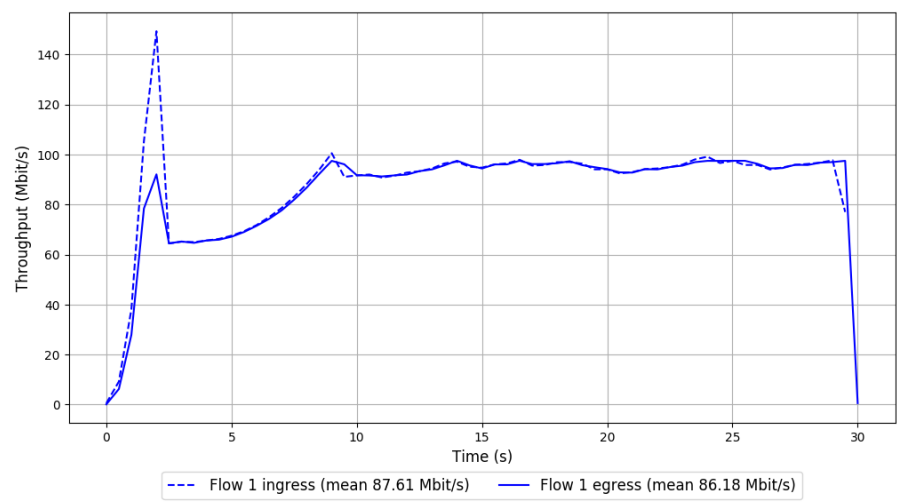


Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 06:55:31
End at: 2018-04-17 06:56:01
Local clock offset: -4.43 ms
Remote clock offset: 11.965 ms

Below is generated by plot.py at 2018-04-17 08:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 115.850 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 115.850 ms
Loss rate: 1.61%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 07:16:46

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

Local clock offset: -4.889 ms

Remote clock offset: 10.309 ms

Below is generated by plot.py at 2018-04-17 08:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 118.915 ms

Loss rate: 1.53%

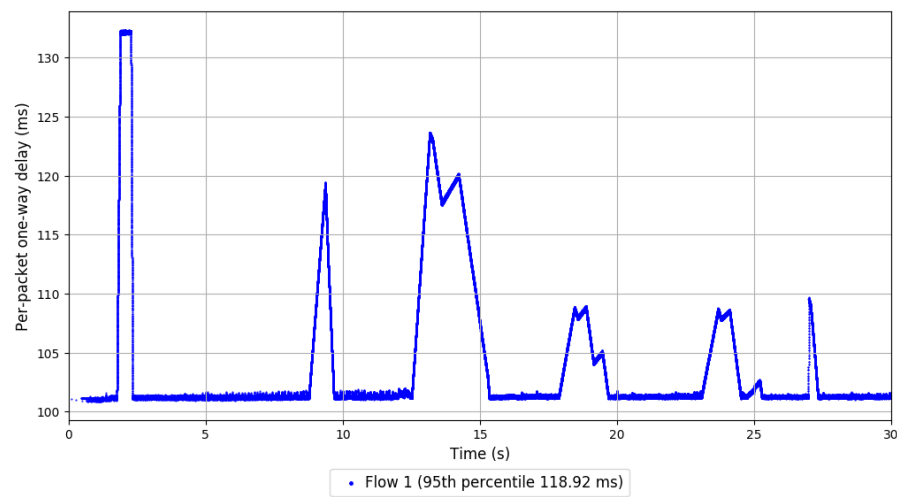
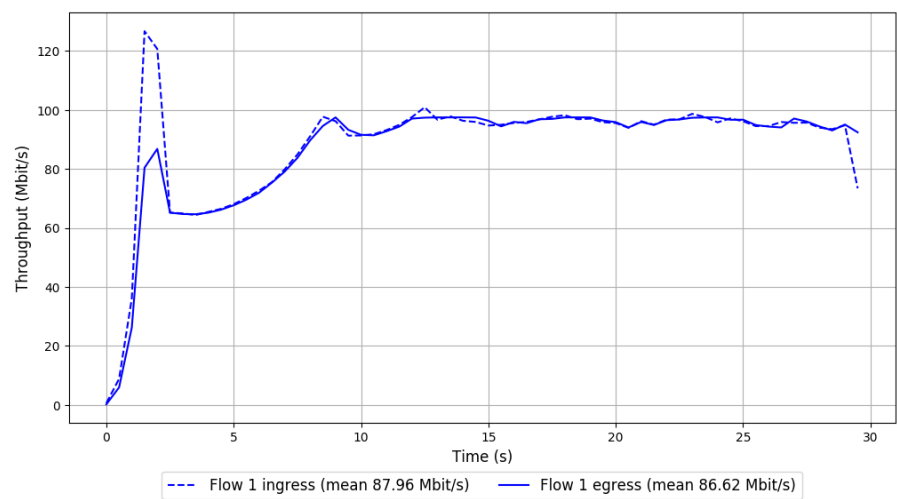
-- Flow 1:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 118.915 ms

Loss rate: 1.53%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 07:37:54

End at: 2018-04-17 07:38:24

Local clock offset: -4.417 ms

Remote clock offset: 4.56 ms

Below is generated by plot.py at 2018-04-17 08:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 112.278 ms

Loss rate: 1.56%

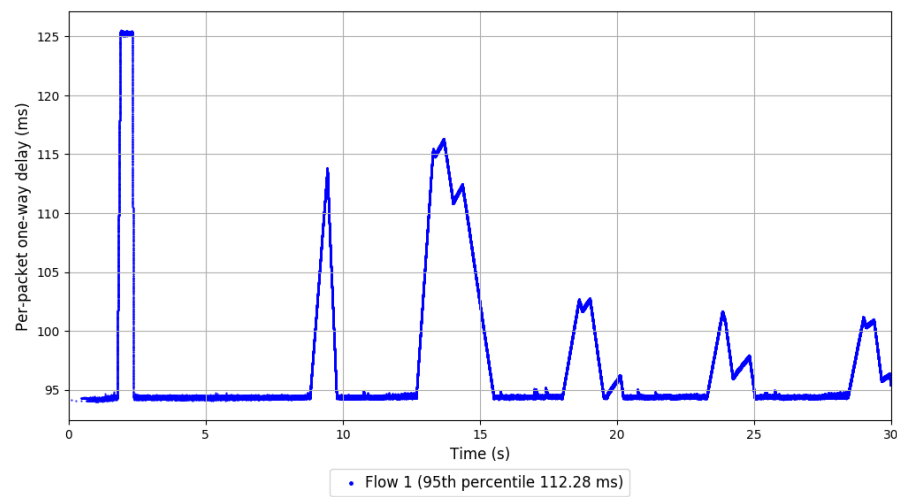
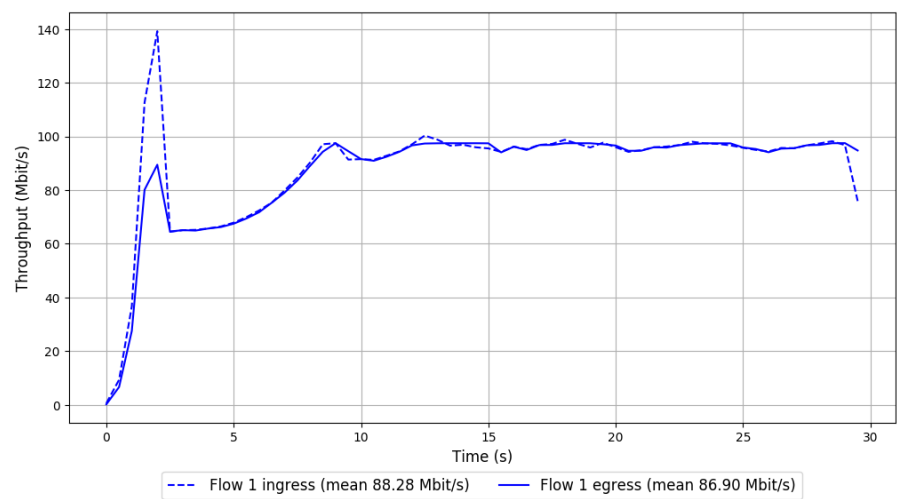
-- Flow 1:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 112.278 ms

Loss rate: 1.56%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 07:58:53

End at: 2018-04-17 07:59:23

Local clock offset: -5.663 ms

Remote clock offset: 4.166 ms

Below is generated by plot.py at 2018-04-17 08:50:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.00 Mbit/s

95th percentile per-packet one-way delay: 112.696 ms

Loss rate: 1.53%

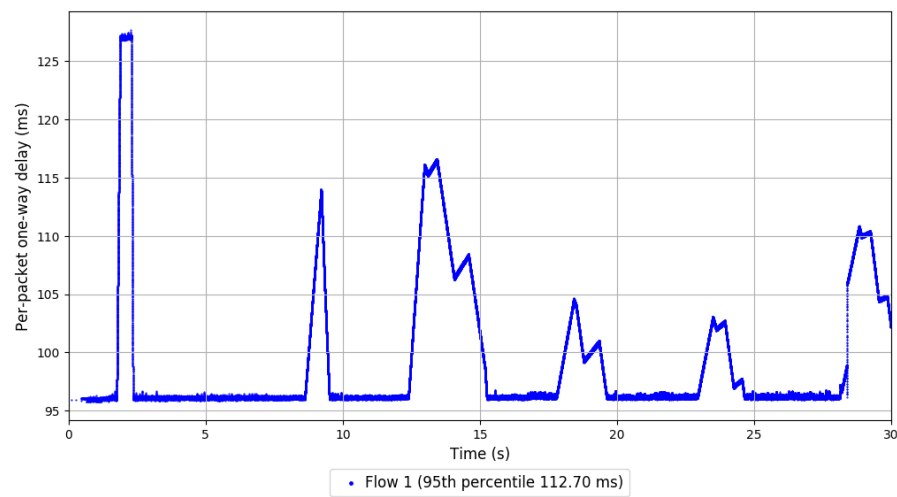
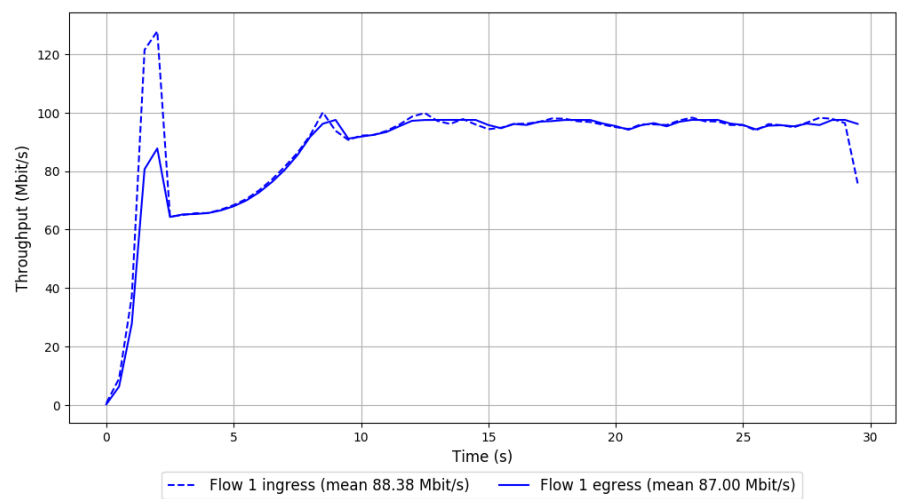
-- Flow 1:

Average throughput: 87.00 Mbit/s

95th percentile per-packet one-way delay: 112.696 ms

Loss rate: 1.53%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 08:20:02

End at: 2018-04-17 08:20:32

Local clock offset: -5.605 ms

Remote clock offset: 4.042 ms

Below is generated by plot.py at 2018-04-17 08:50:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.13 Mbit/s

95th percentile per-packet one-way delay: 138.325 ms

Loss rate: 1.77%

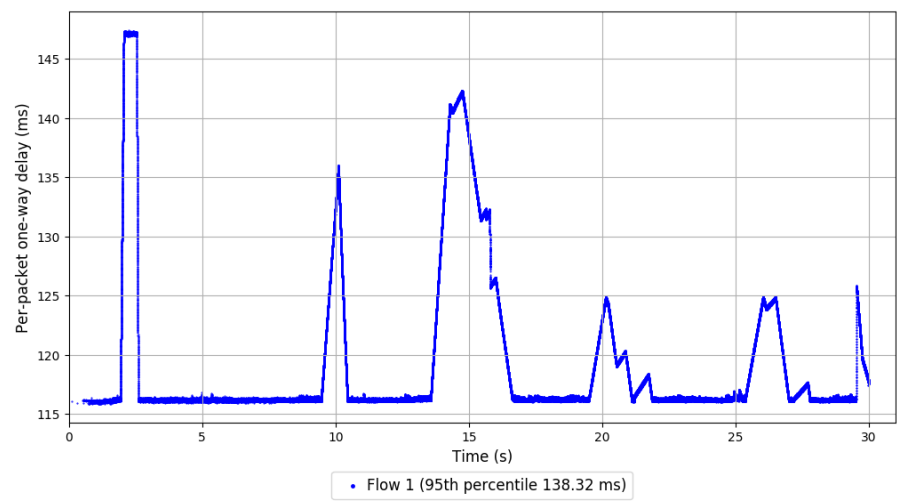
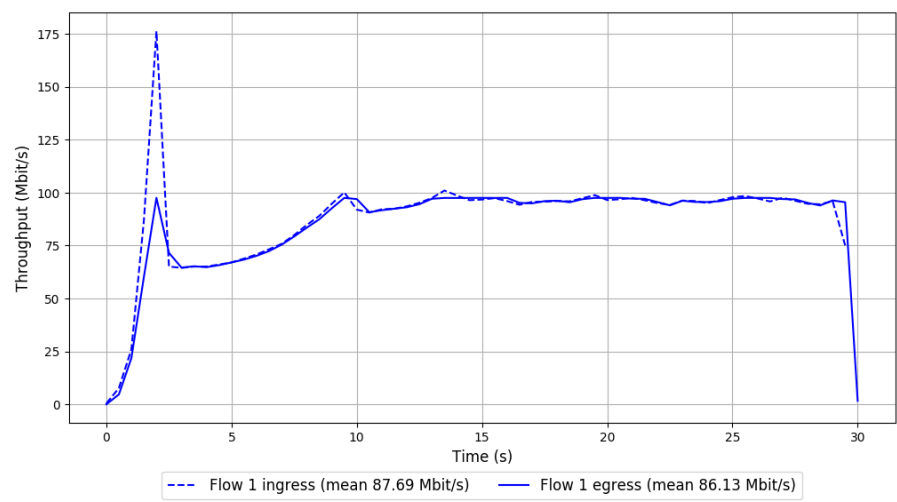
-- Flow 1:

Average throughput: 86.13 Mbit/s

95th percentile per-packet one-way delay: 138.325 ms

Loss rate: 1.77%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 04:58:48

End at: 2018-04-17 04:59:18

Local clock offset: -4.768 ms

Remote clock offset: 11.548 ms

Below is generated by plot.py at 2018-04-17 08:50:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.24 Mbit/s

95th percentile per-packet one-way delay: 107.762 ms

Loss rate: 0.13%

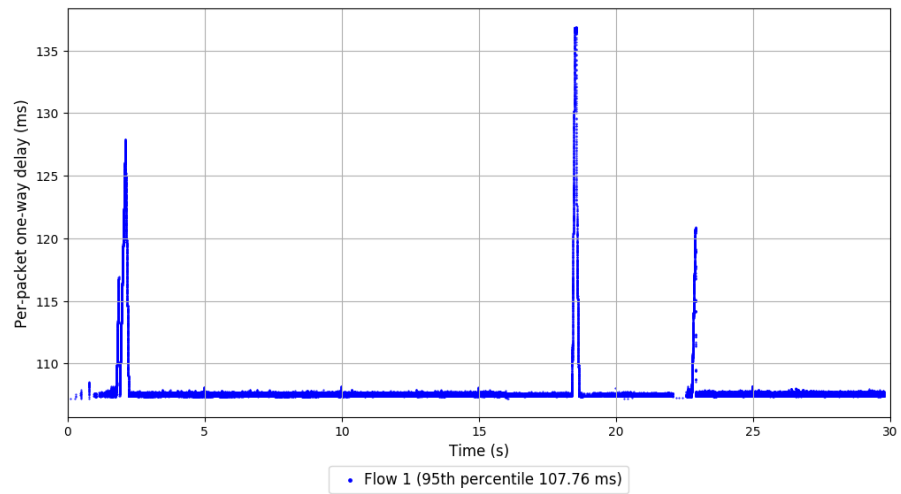
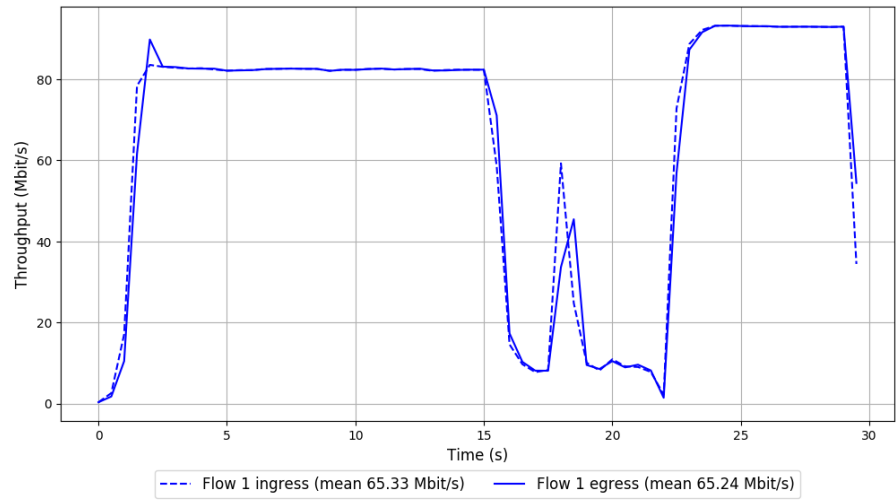
-- Flow 1:

Average throughput: 65.24 Mbit/s

95th percentile per-packet one-way delay: 107.762 ms

Loss rate: 0.13%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 05:19:54

End at: 2018-04-17 05:20:24

Local clock offset: -2.962 ms

Remote clock offset: 5.543 ms

Below is generated by plot.py at 2018-04-17 08:50:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.58 Mbit/s

95th percentile per-packet one-way delay: 110.496 ms

Loss rate: 0.13%

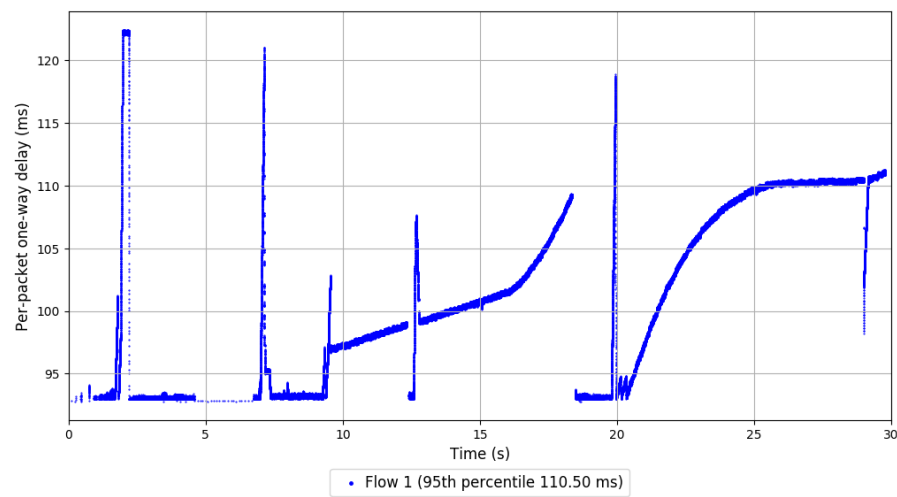
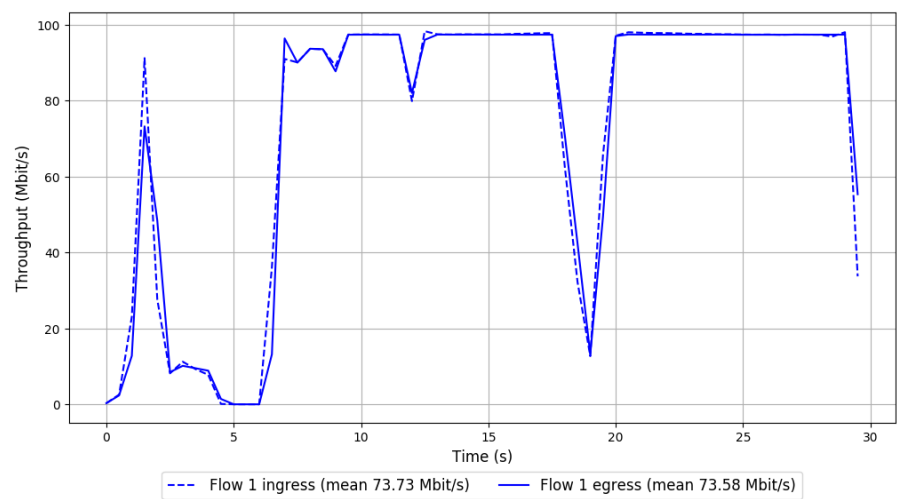
-- Flow 1:

Average throughput: 73.58 Mbit/s

95th percentile per-packet one-way delay: 110.496 ms

Loss rate: 0.13%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

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

End at: 2018-04-17 05:41:35

Local clock offset: -5.074 ms

Remote clock offset: 6.496 ms

Below is generated by plot.py at 2018-04-17 08:50:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.87 Mbit/s

95th percentile per-packet one-way delay: 117.158 ms

Loss rate: 0.18%

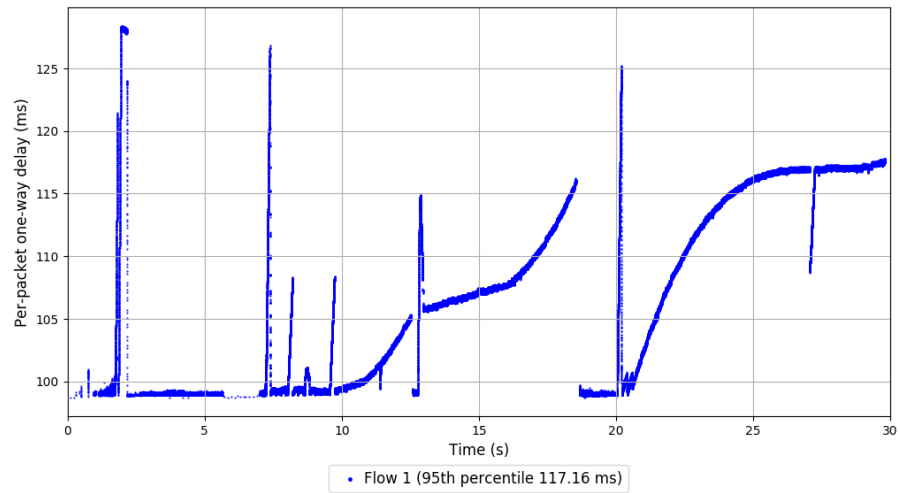
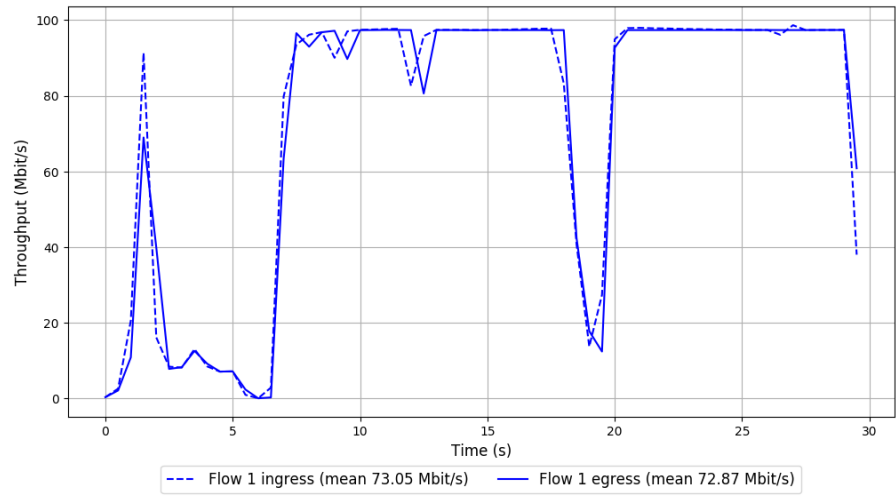
-- Flow 1:

Average throughput: 72.87 Mbit/s

95th percentile per-packet one-way delay: 117.158 ms

Loss rate: 0.18%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 06:02:11

End at: 2018-04-17 06:02:41

Local clock offset: -5.392 ms

Remote clock offset: 6.482 ms

Below is generated by plot.py at 2018-04-17 08:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.80 Mbit/s

95th percentile per-packet one-way delay: 112.123 ms

Loss rate: 0.21%

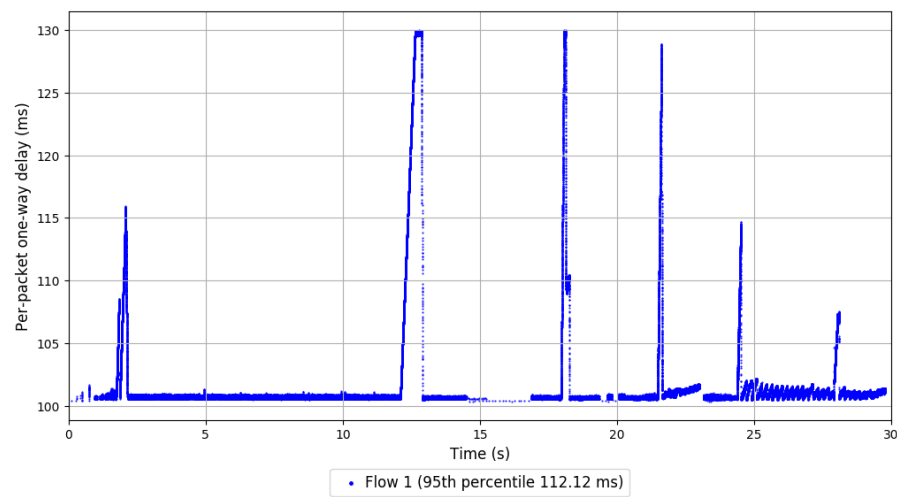
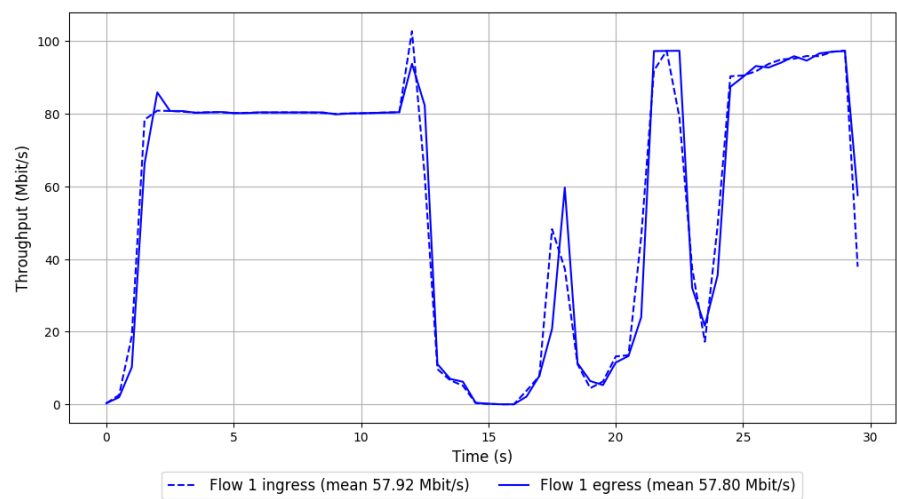
-- Flow 1:

Average throughput: 57.80 Mbit/s

95th percentile per-packet one-way delay: 112.123 ms

Loss rate: 0.21%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 06:23:03

End at: 2018-04-17 06:23:34

Local clock offset: -5.129 ms

Remote clock offset: 6.547 ms

Below is generated by plot.py at 2018-04-17 08:51:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 112.122 ms

Loss rate: 0.16%

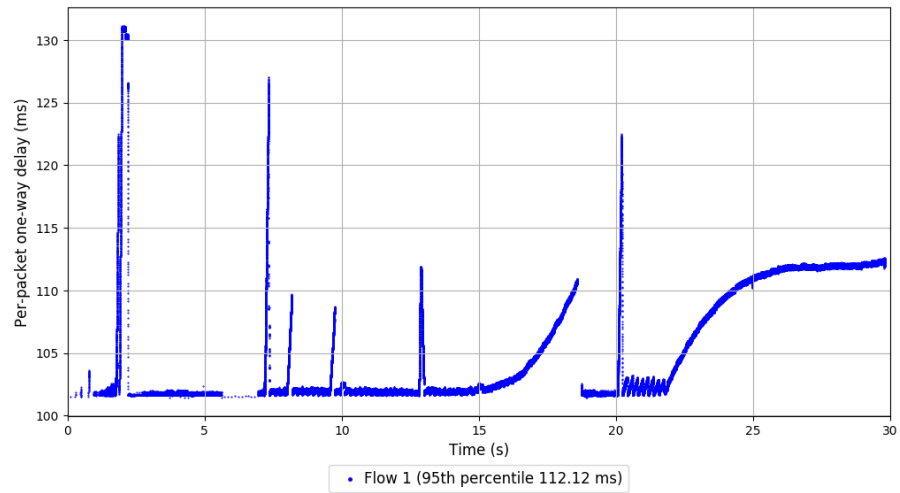
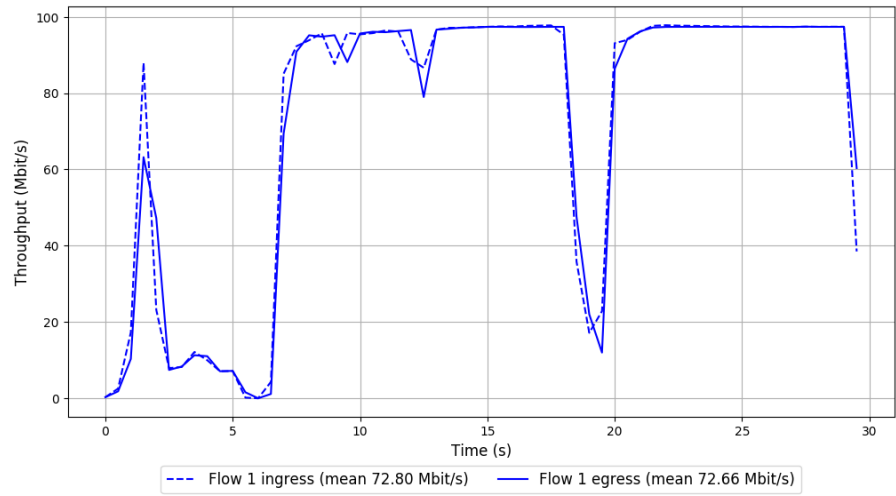
-- Flow 1:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 112.122 ms

Loss rate: 0.16%

Run 5: Report of QUIC Cubic — Data Link

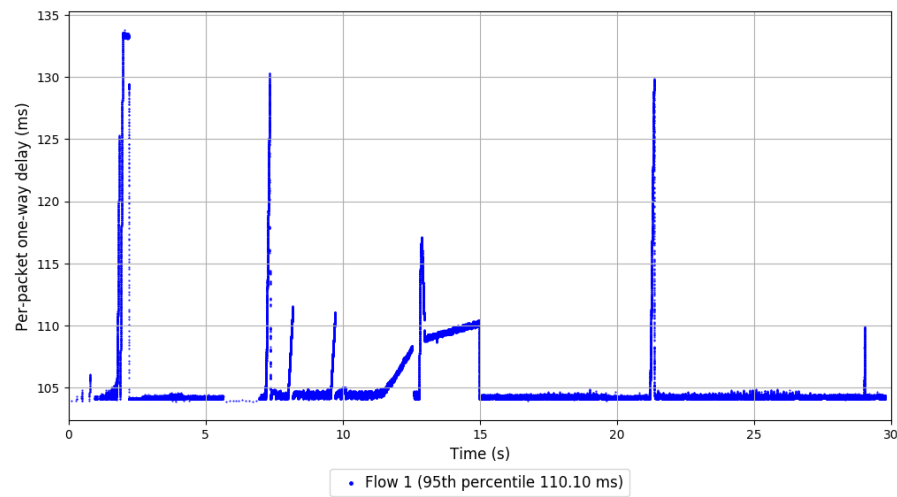
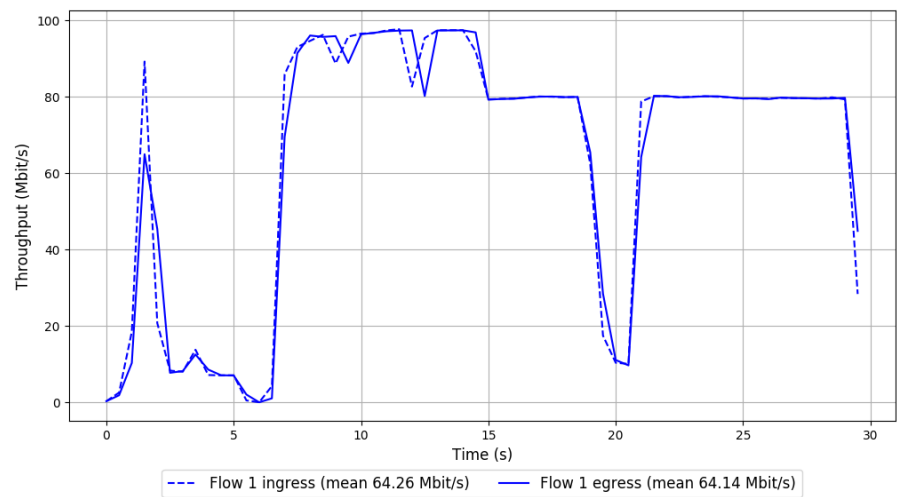


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 06:44:16
End at: 2018-04-17 06:44:46
Local clock offset: -4.664 ms
Remote clock offset: 10.906 ms

Below is generated by plot.py at 2018-04-17 08:51:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.14 Mbit/s
95th percentile per-packet one-way delay: 110.100 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 64.14 Mbit/s
95th percentile per-packet one-way delay: 110.100 ms
Loss rate: 0.19%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 07:05:26

End at: 2018-04-17 07:05:56

Local clock offset: -5.083 ms

Remote clock offset: 11.09 ms

Below is generated by plot.py at 2018-04-17 08:51:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.36 Mbit/s

95th percentile per-packet one-way delay: 121.232 ms

Loss rate: 0.18%

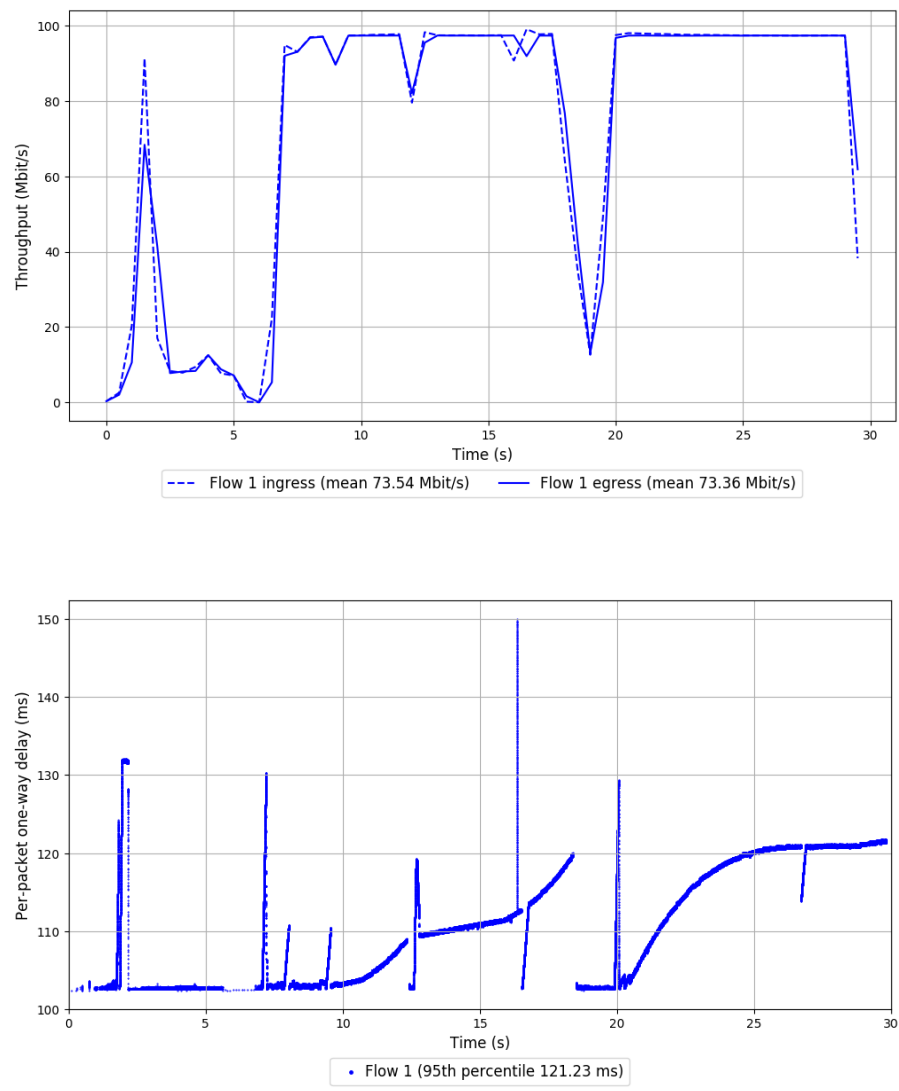
-- Flow 1:

Average throughput: 73.36 Mbit/s

95th percentile per-packet one-way delay: 121.232 ms

Loss rate: 0.18%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 07:26:41

End at: 2018-04-17 07:27:11

Local clock offset: -5.06 ms

Remote clock offset: 9.78 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.86 Mbit/s

95th percentile per-packet one-way delay: 123.148 ms

Loss rate: 0.17%

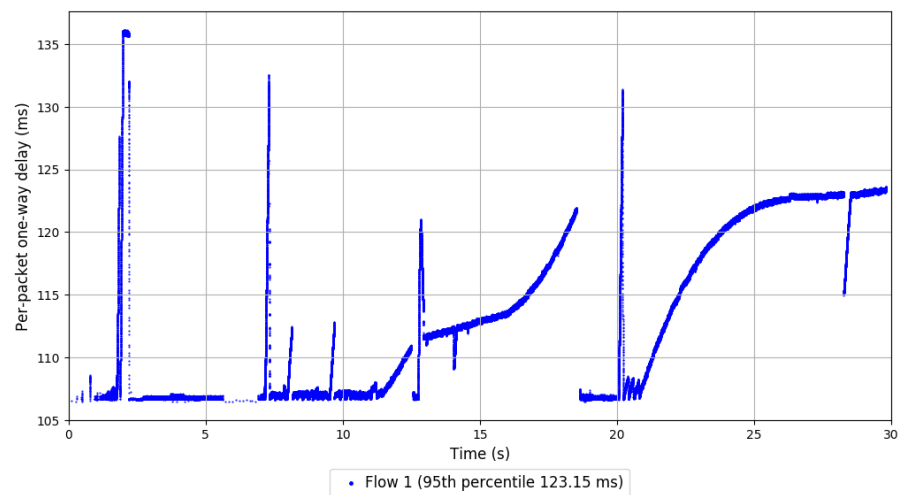
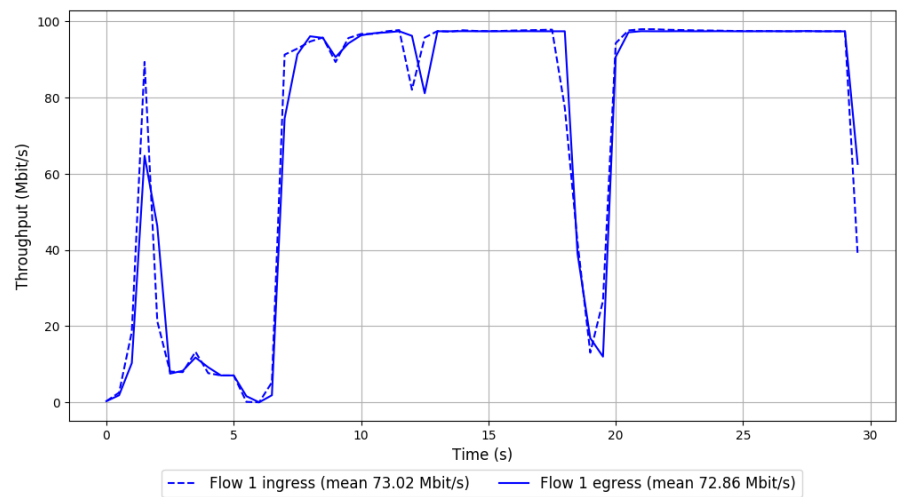
-- Flow 1:

Average throughput: 72.86 Mbit/s

95th percentile per-packet one-way delay: 123.148 ms

Loss rate: 0.17%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 07:47:49

End at: 2018-04-17 07:48:19

Local clock offset: -5.009 ms

Remote clock offset: 9.805 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.10 Mbit/s

95th percentile per-packet one-way delay: 108.264 ms

Loss rate: 0.08%

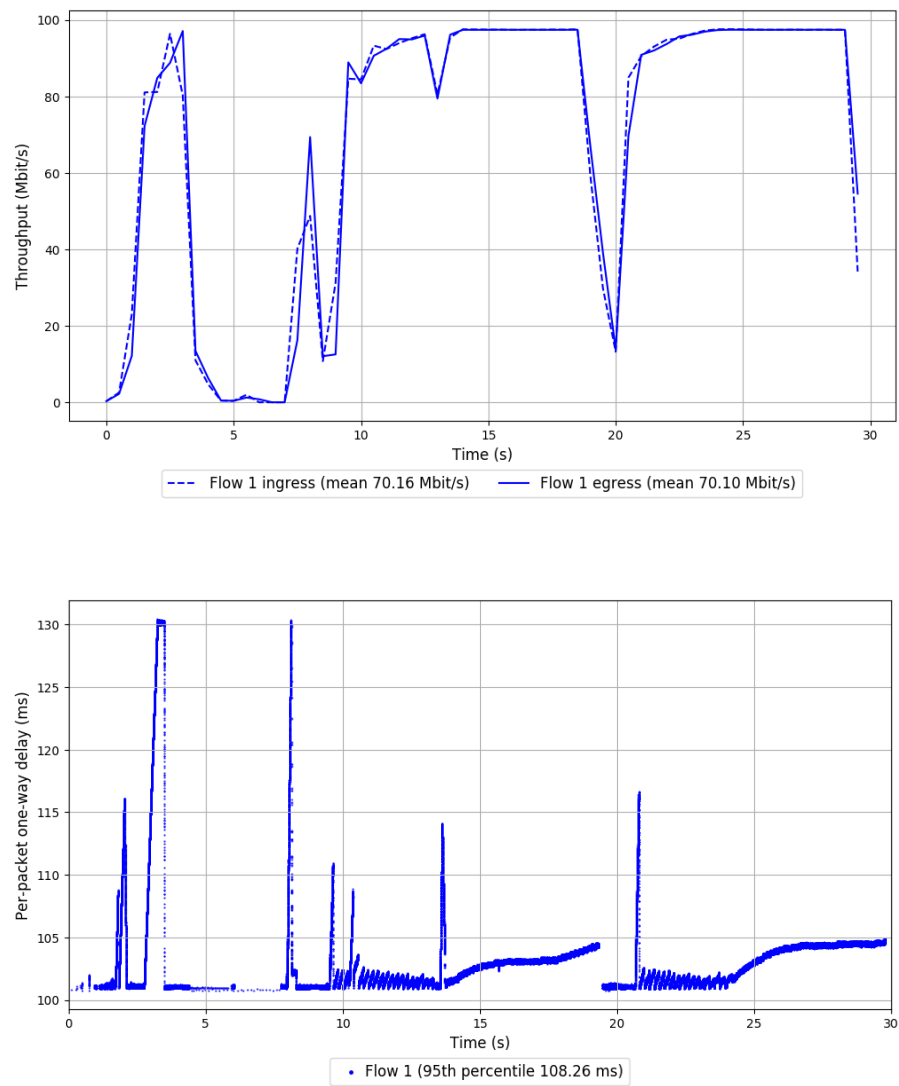
-- Flow 1:

Average throughput: 70.10 Mbit/s

95th percentile per-packet one-way delay: 108.264 ms

Loss rate: 0.08%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

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

End at: 2018-04-17 08:09:16

Local clock offset: -5.584 ms

Remote clock offset: 4.94 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.18 Mbit/s

95th percentile per-packet one-way delay: 116.816 ms

Loss rate: 0.28%

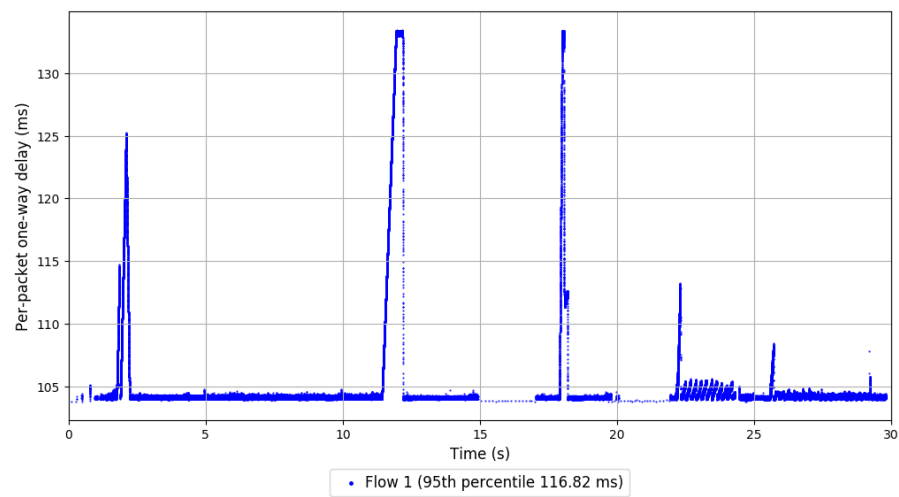
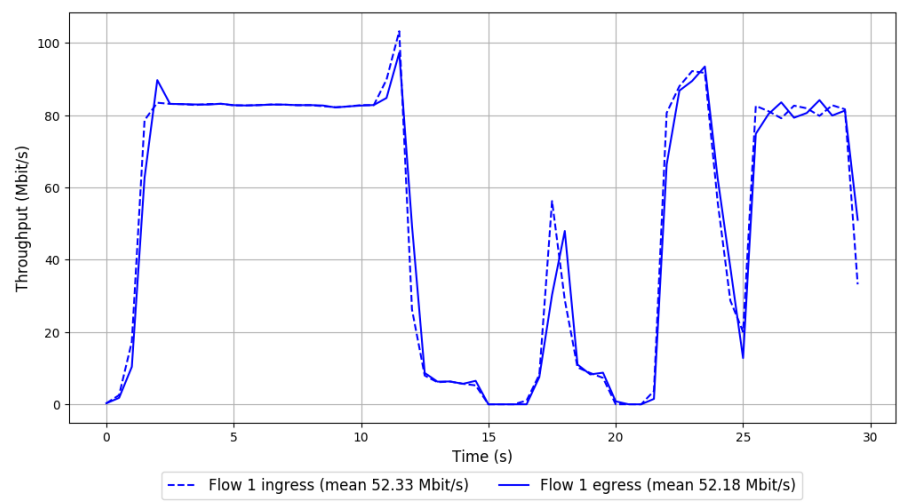
-- Flow 1:

Average throughput: 52.18 Mbit/s

95th percentile per-packet one-way delay: 116.816 ms

Loss rate: 0.28%

Run 10: Report of QUIC Cubic — Data Link

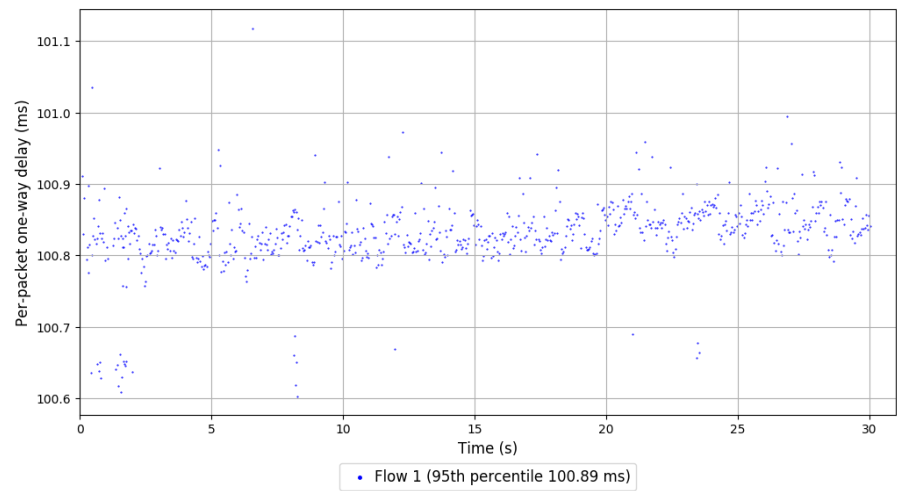
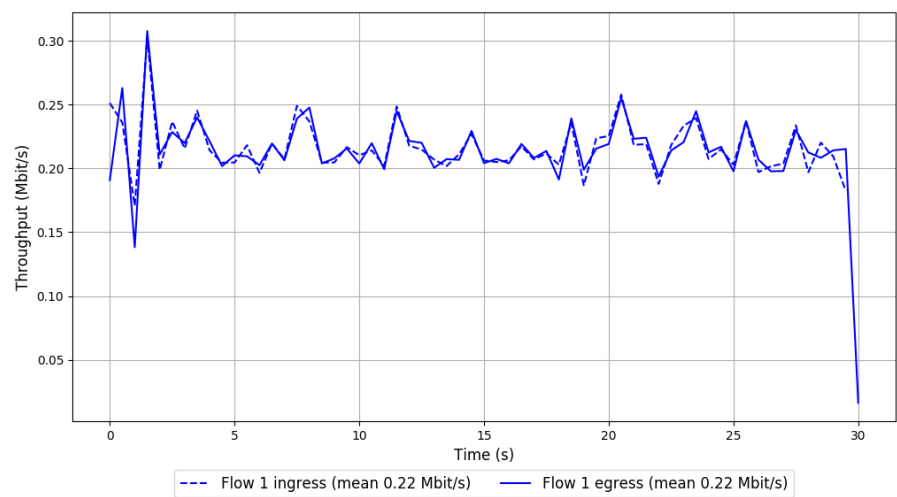


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 04:53:56
End at: 2018-04-17 04:54:26
Local clock offset: -3.379 ms
Remote clock offset: 11.86 ms

# Below is generated by plot.py at 2018-04-17 08:51:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.894 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-17 05:14:52

End at: 2018-04-17 05:15:23

Local clock offset: -3.775 ms

Remote clock offset: 10.39 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 100.497 ms

Loss rate: 0.00%

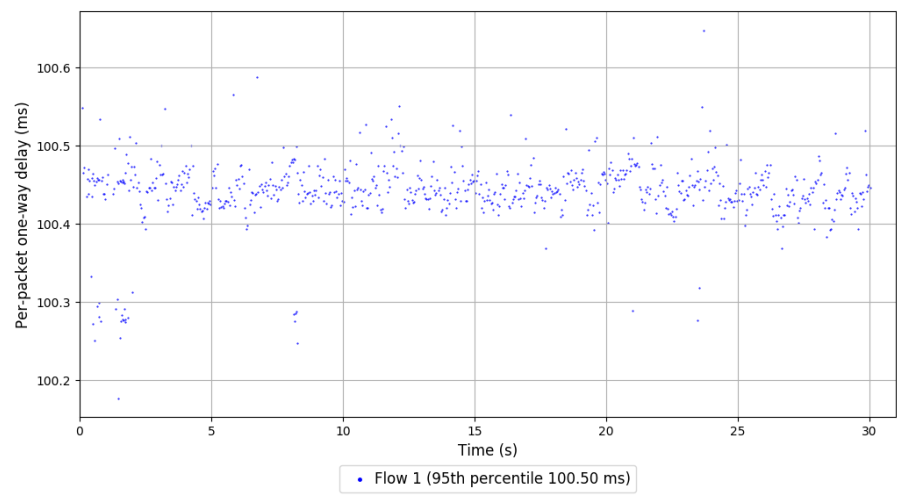
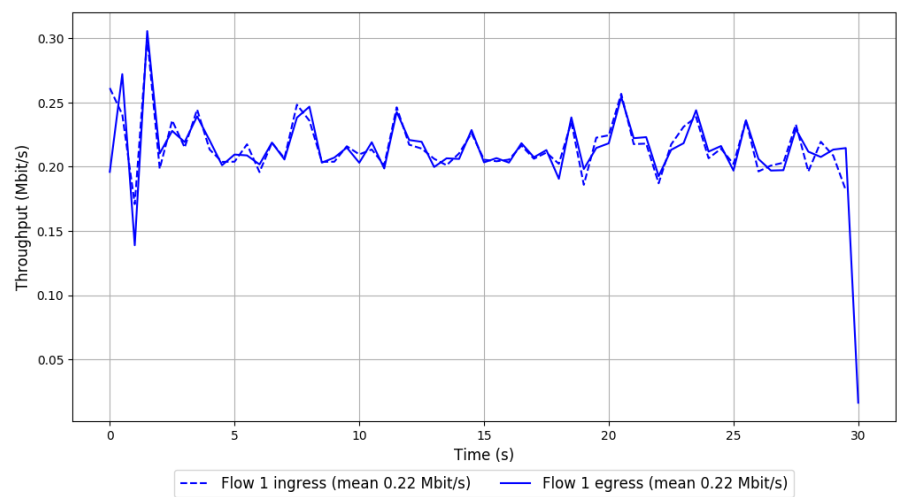
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 100.497 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-17 05:36:12

End at: 2018-04-17 05:36:42

Local clock offset: -4.163 ms

Remote clock offset: 6.465 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 103.170 ms

Loss rate: 0.00%

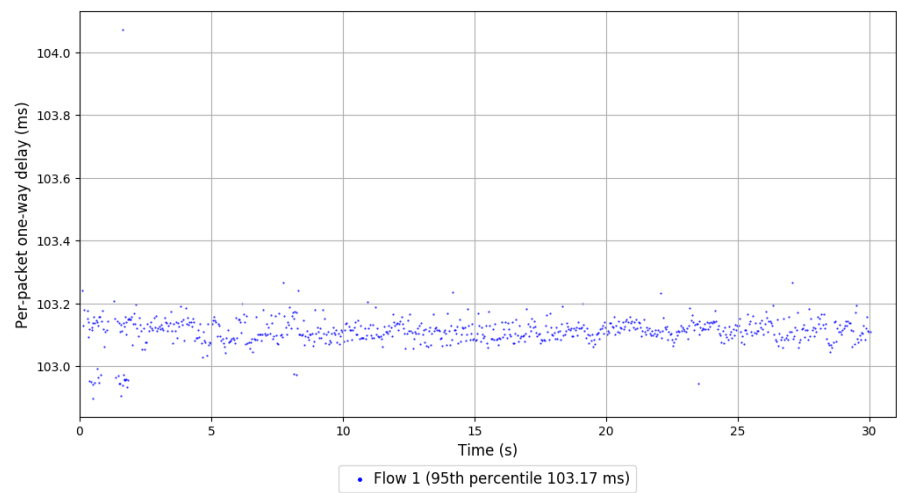
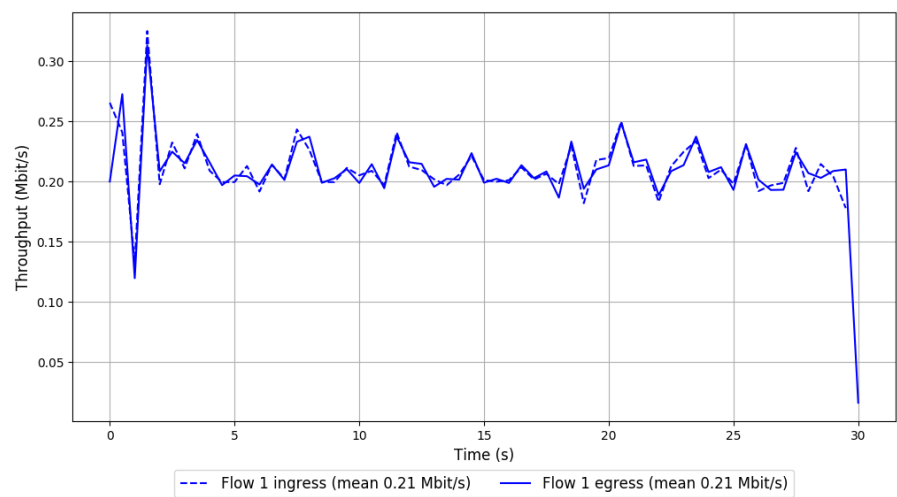
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 103.170 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-17 05:57:19

End at: 2018-04-17 05:57:49

Local clock offset: -5.078 ms

Remote clock offset: 5.648 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 96.707 ms

Loss rate: 0.00%

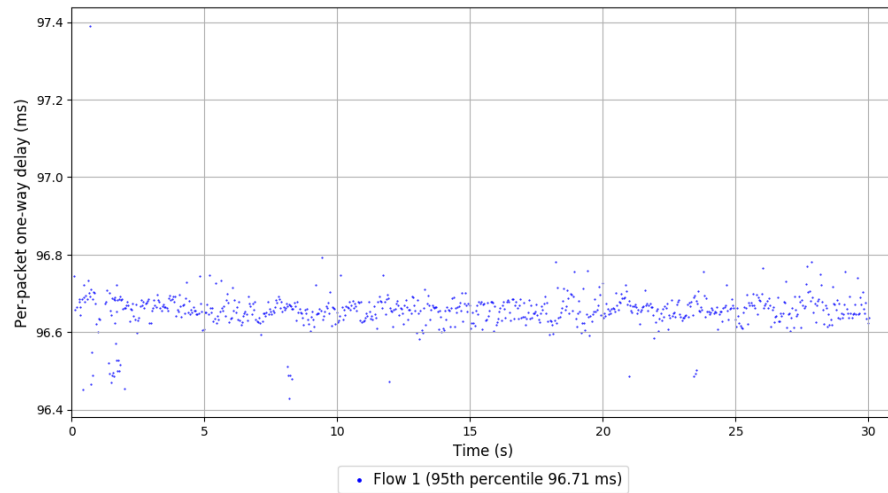
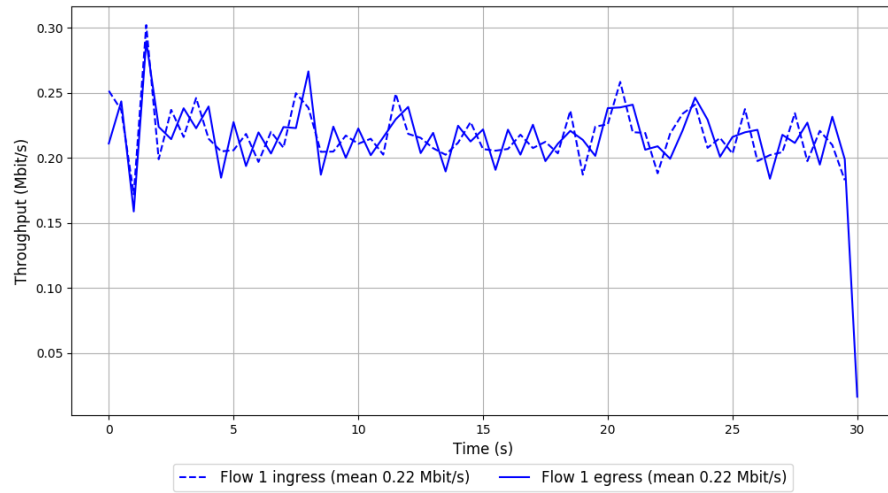
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 96.707 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-17 06:18:11

End at: 2018-04-17 06:18:41

Local clock offset: -5.099 ms

Remote clock offset: 5.719 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 102.166 ms

Loss rate: 0.00%

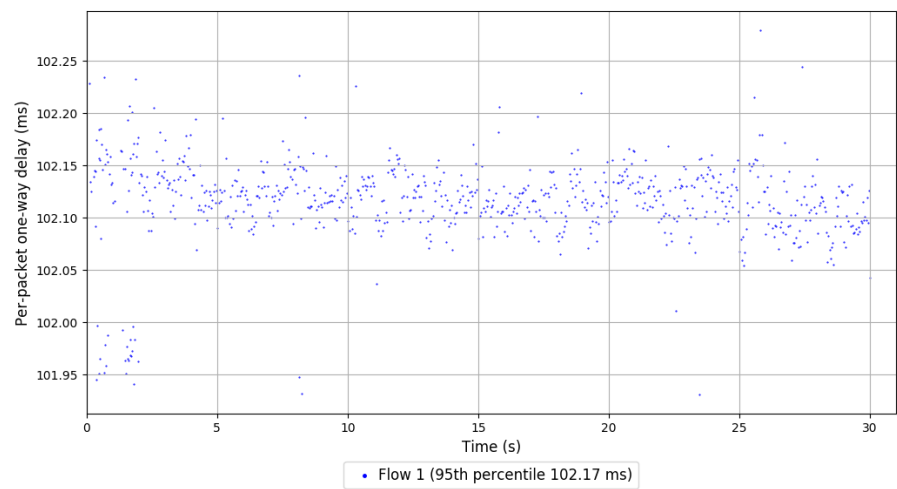
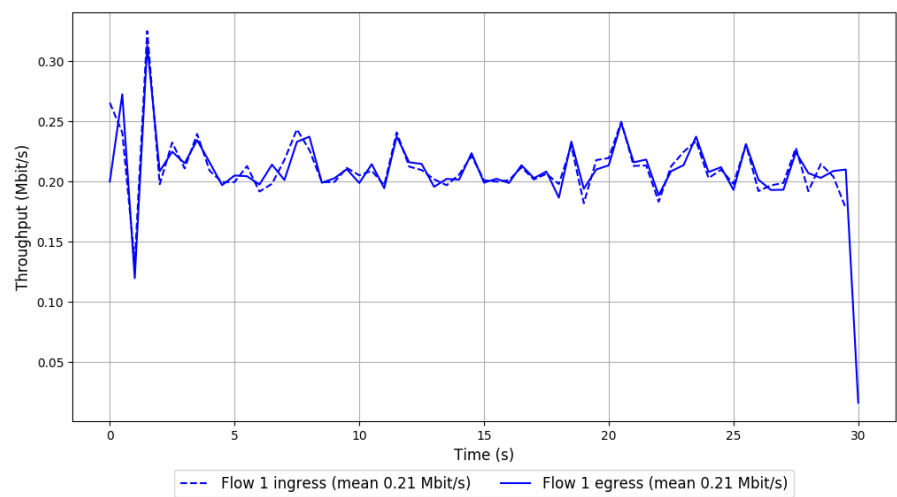
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 102.166 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

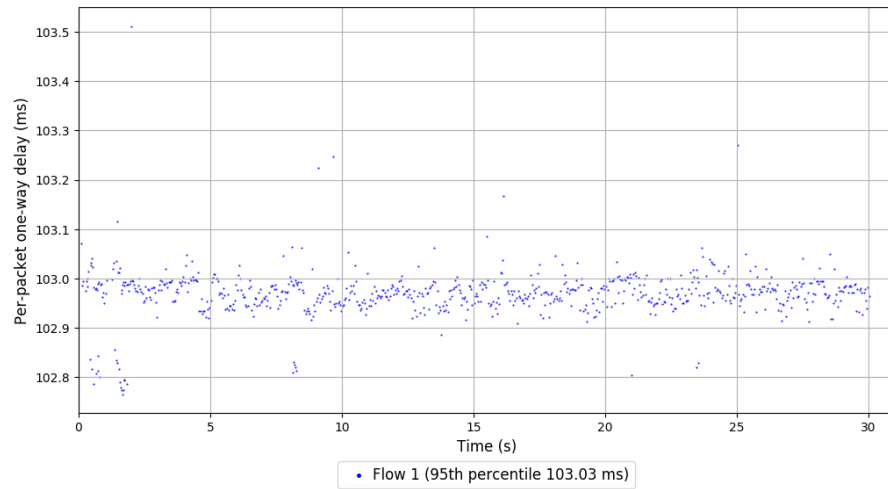
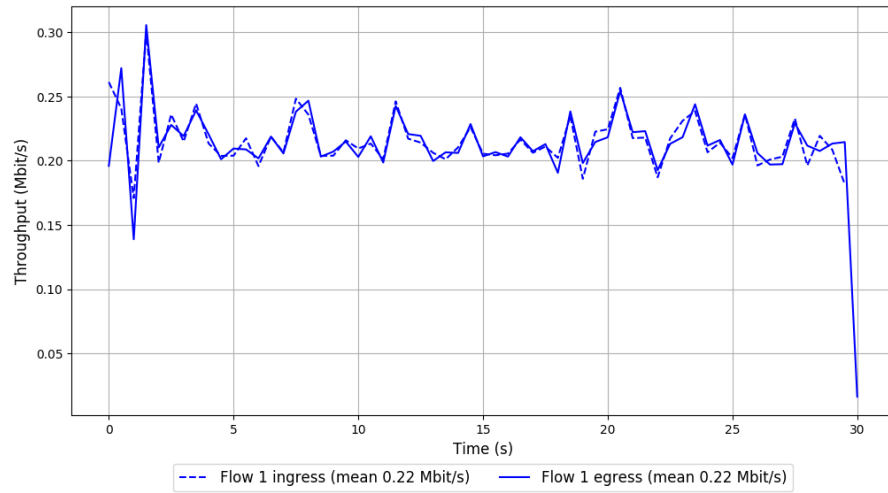


Run 6: Statistics of SCReAM

Start at: 2018-04-17 06:39:20
End at: 2018-04-17 06:39:50
Local clock offset: -4.889 ms
Remote clock offset: 11.663 ms

Below is generated by plot.py at 2018-04-17 08:51:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 103.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 103.025 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-17 07:00:33

End at: 2018-04-17 07:01:03

Local clock offset: -3.618 ms

Remote clock offset: 11.94 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 98.619 ms

Loss rate: 0.00%

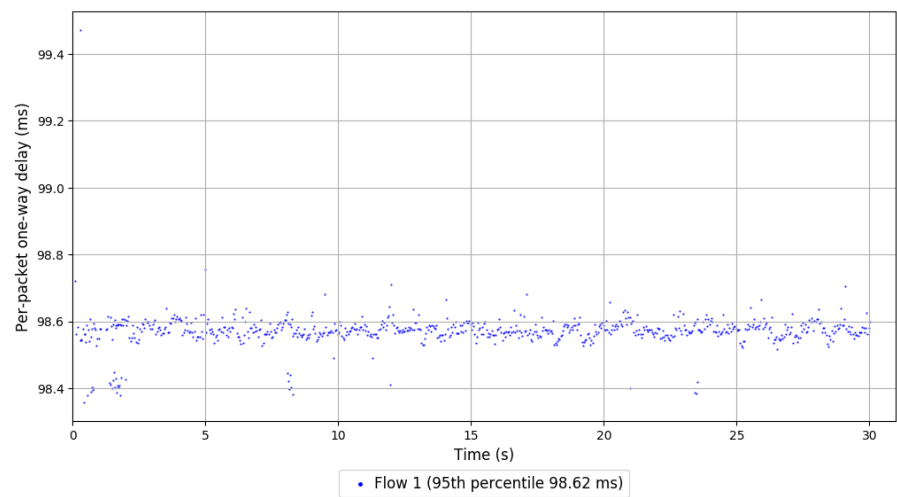
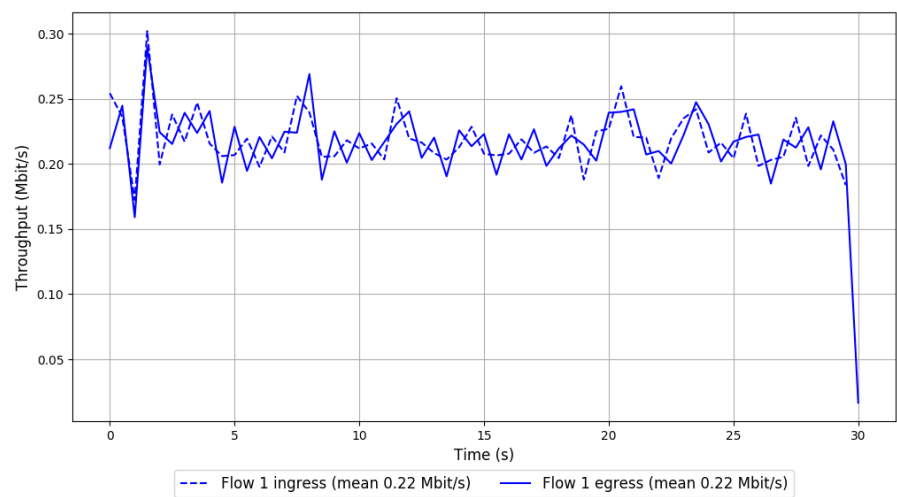
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 98.619 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-17 07:21:48

End at: 2018-04-17 07:22:18

Local clock offset: -4.247 ms

Remote clock offset: 9.065 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 101.330 ms

Loss rate: 0.00%

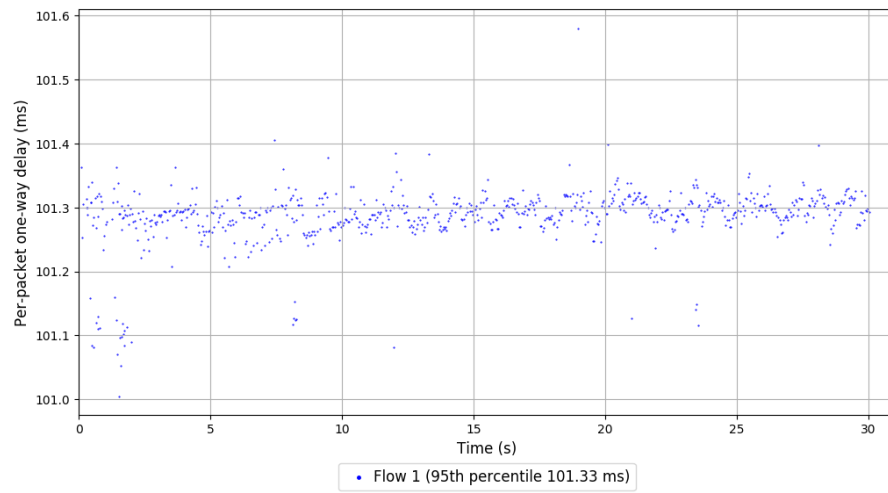
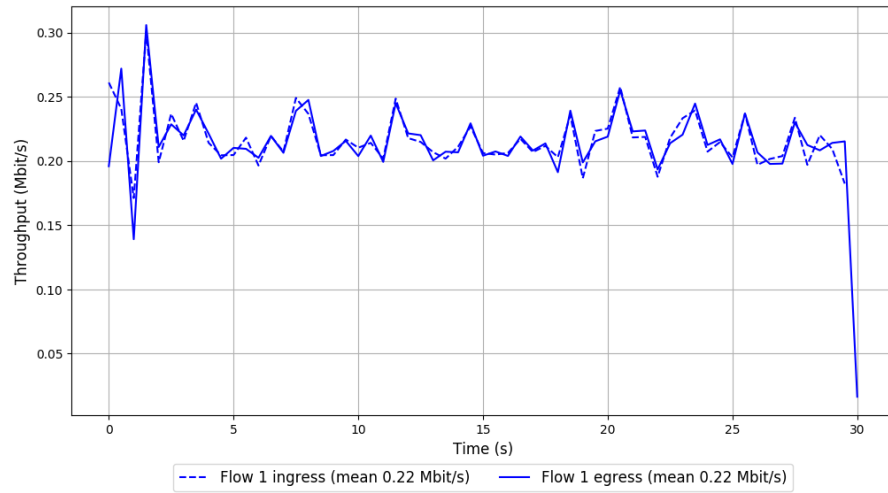
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 101.330 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-17 07:42:55

End at: 2018-04-17 07:43:25

Local clock offset: -5.132 ms

Remote clock offset: 4.816 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 96.314 ms

Loss rate: 0.00%

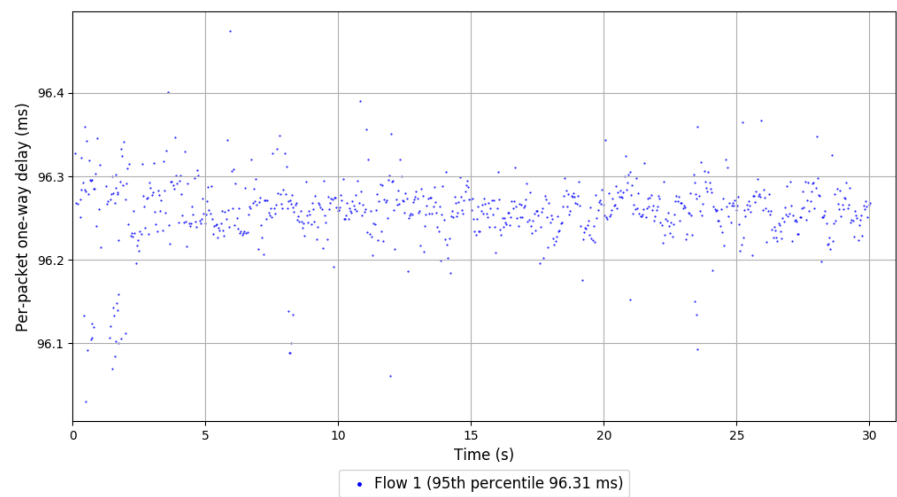
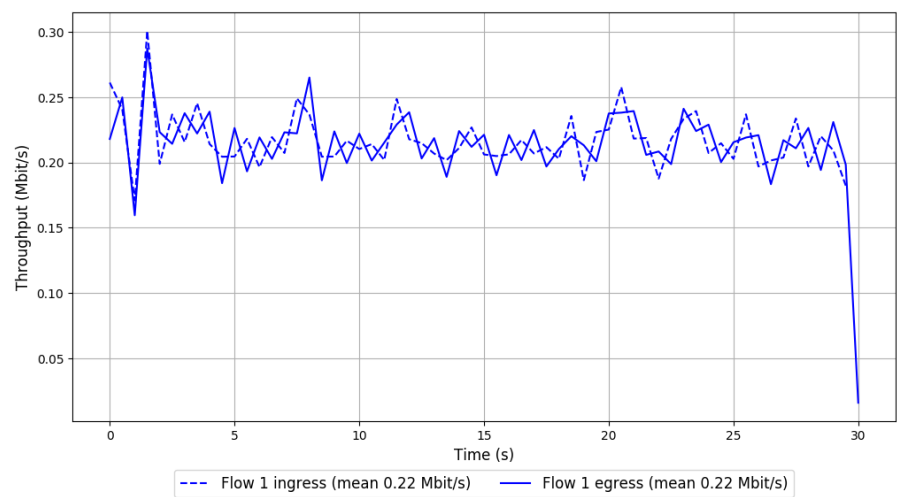
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 96.314 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-04-17 08:03:54

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

Local clock offset: -5.593 ms

Remote clock offset: 9.739 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 99.847 ms

Loss rate: 0.00%

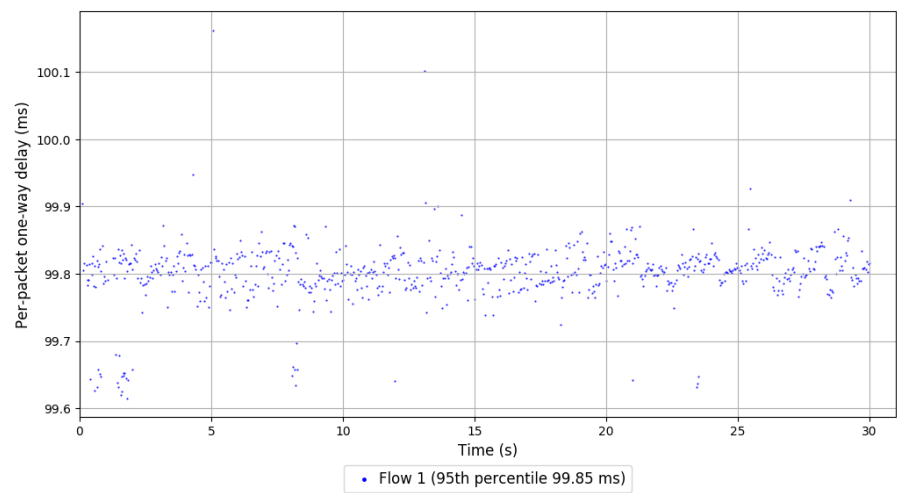
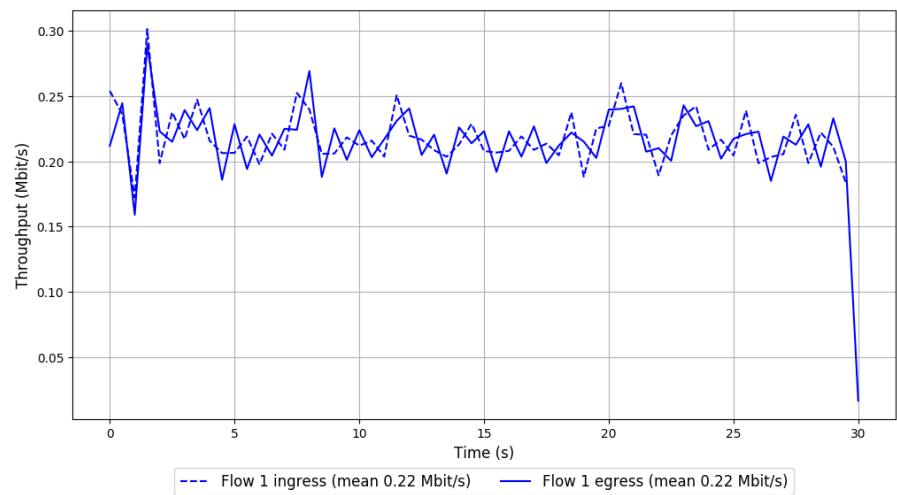
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 99.847 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

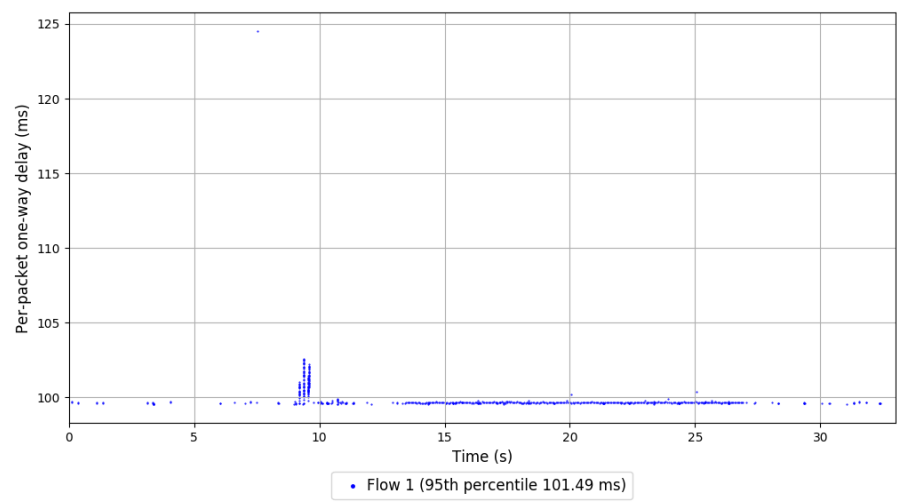
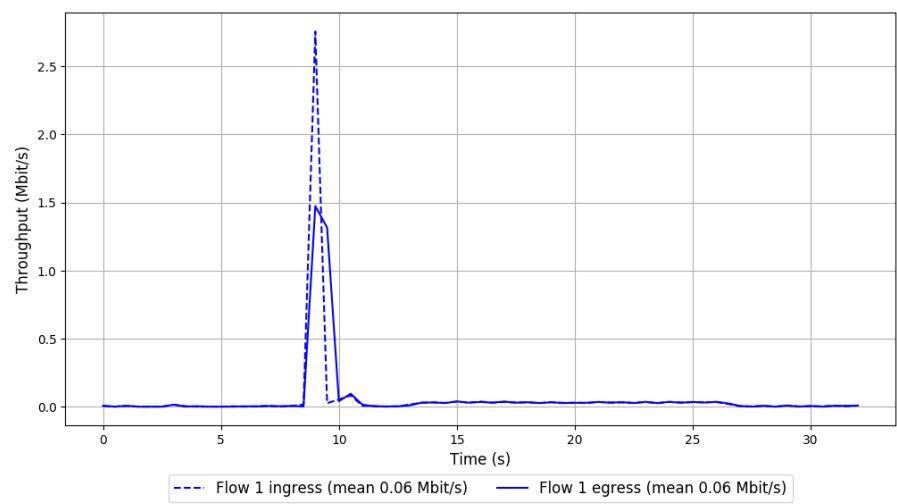


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 05:07:24
End at: 2018-04-17 05:07:54
Local clock offset: -4.646 ms
Remote clock offset: 11.348 ms

# Below is generated by plot.py at 2018-04-17 08:51:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 101.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 101.488 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

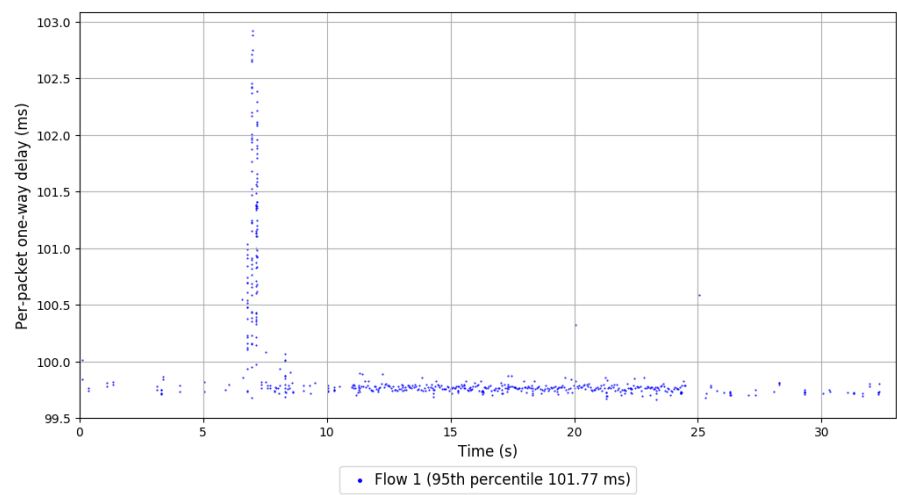
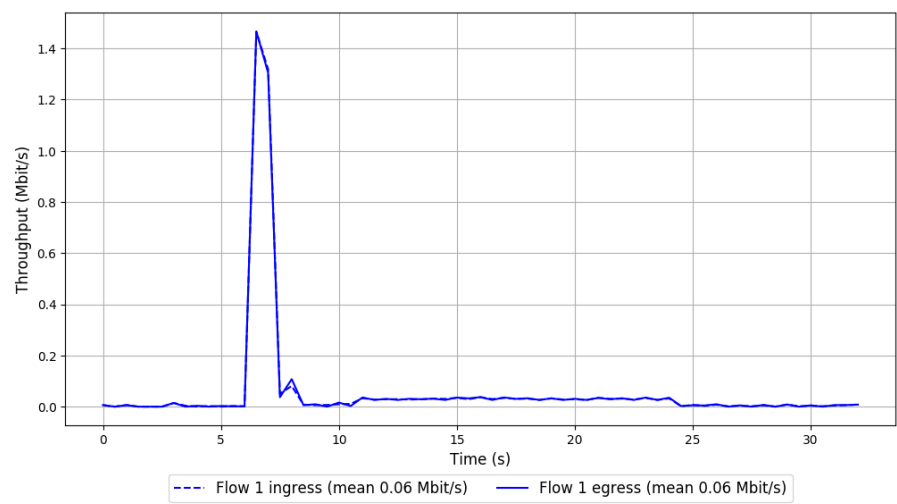


Run 2: Statistics of WebRTC media

Start at: 2018-04-17 05:28:48
End at: 2018-04-17 05:29:18
Local clock offset: -3.951 ms
Remote clock offset: 11.242 ms

Below is generated by plot.py at 2018-04-17 08:51:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 101.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 101.766 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

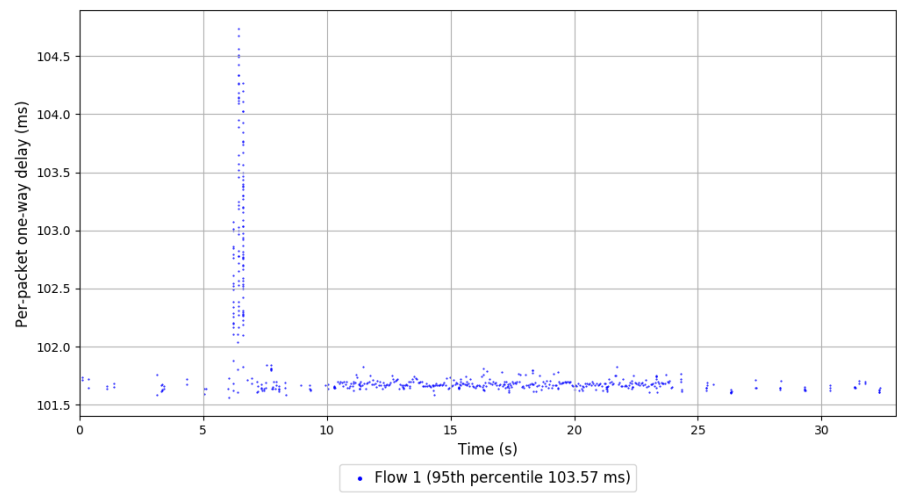
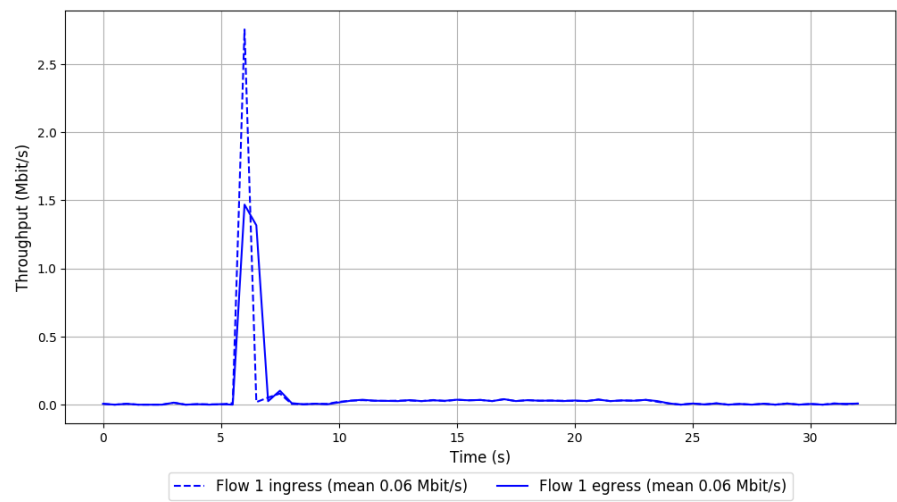


Run 3: Statistics of WebRTC media

Start at: 2018-04-17 05:49:56
End at: 2018-04-17 05:50:26
Local clock offset: -3.52 ms
Remote clock offset: 11.374 ms

Below is generated by plot.py at 2018-04-17 08:51:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 103.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 103.571 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 06:10:48

End at: 2018-04-17 06:11:18

Local clock offset: -4.993 ms

Remote clock offset: 6.551 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.088 ms

Loss rate: 0.00%

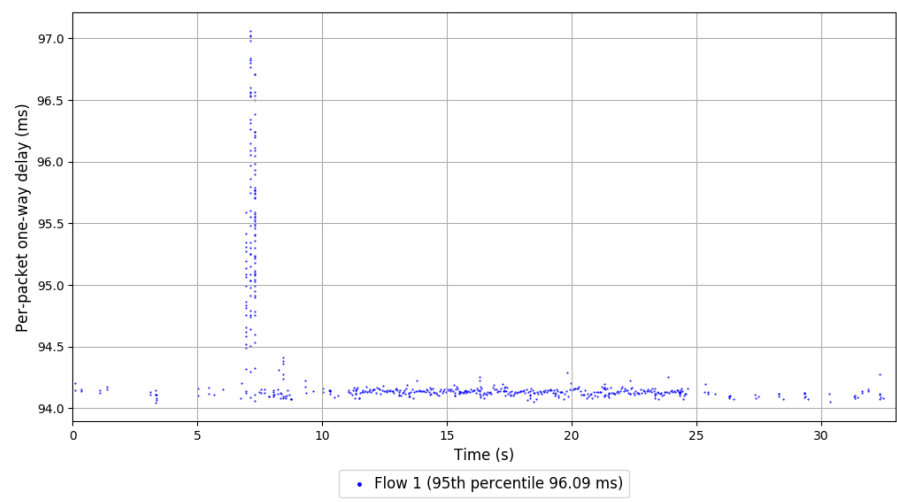
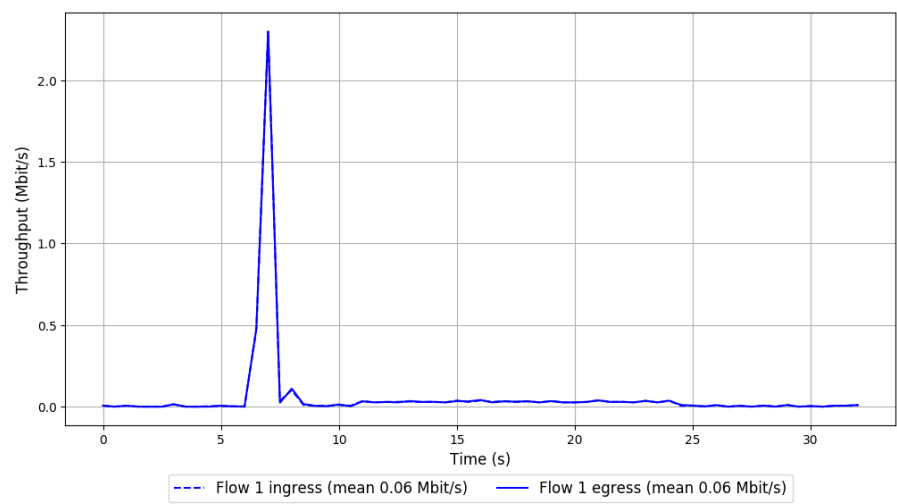
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.088 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-17 06:31:57

End at: 2018-04-17 06:32:27

Local clock offset: -5.359 ms

Remote clock offset: 5.868 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.994 ms

Loss rate: 0.00%

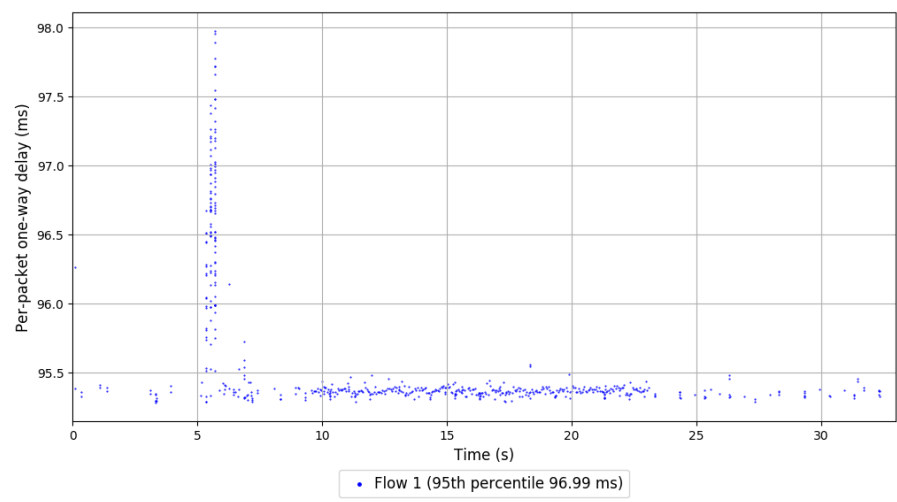
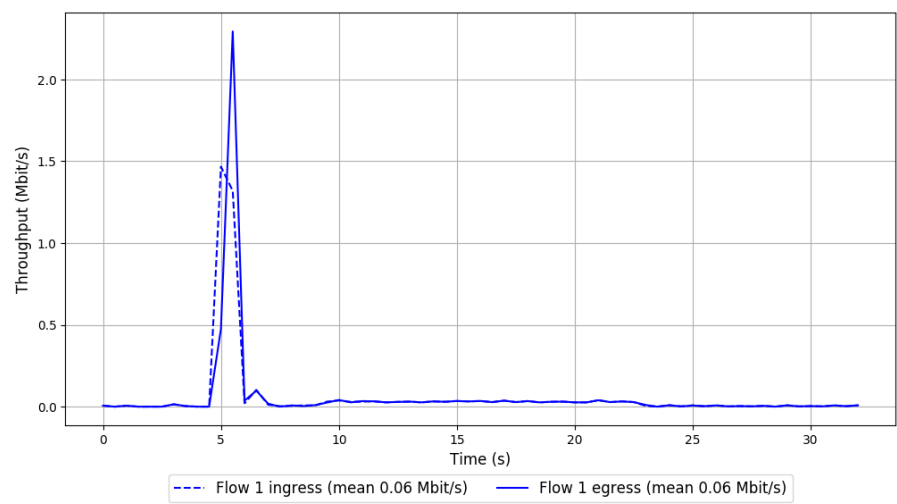
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.994 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-17 06:53:09

End at: 2018-04-17 06:53:39

Local clock offset: -5.295 ms

Remote clock offset: 11.89 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 107.283 ms

Loss rate: 0.00%

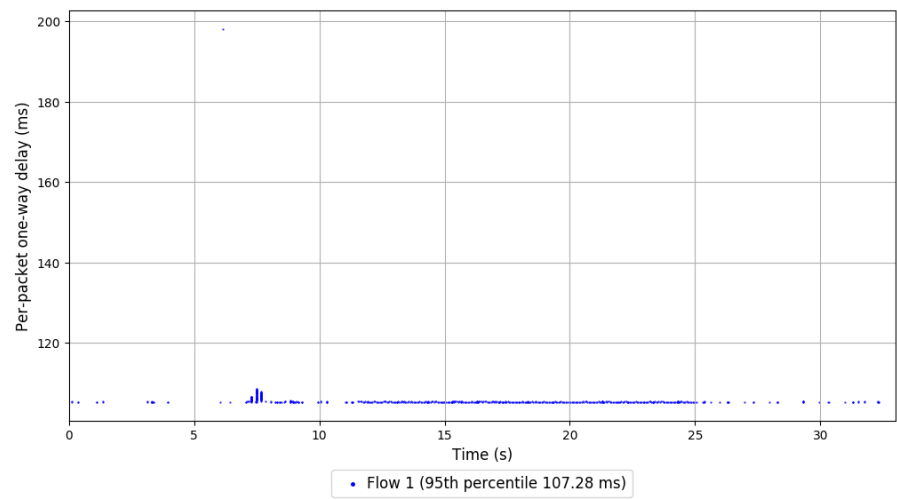
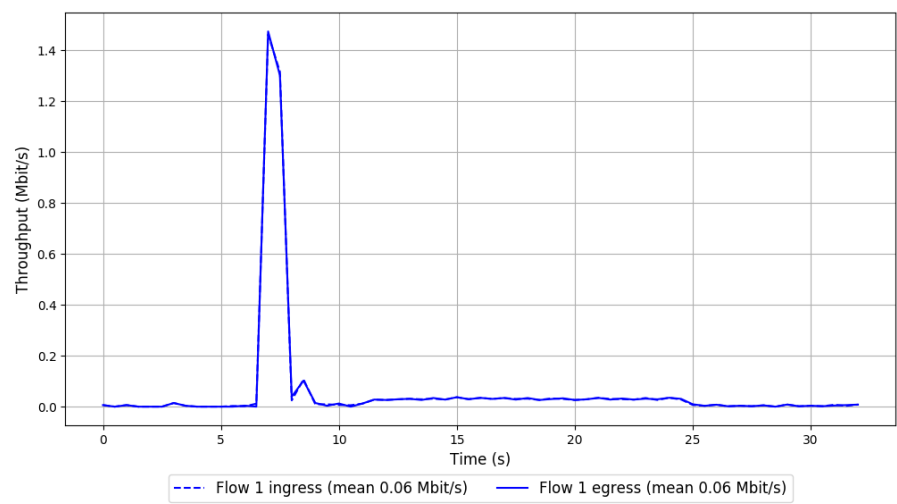
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 107.283 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

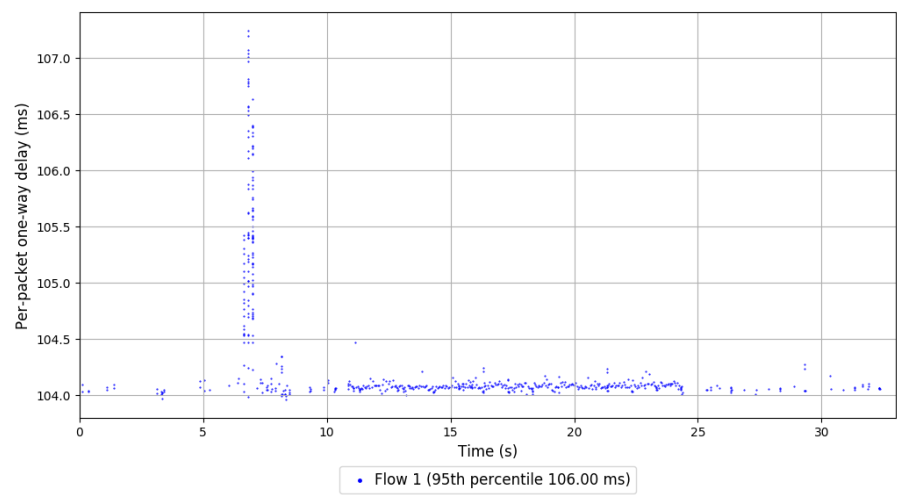
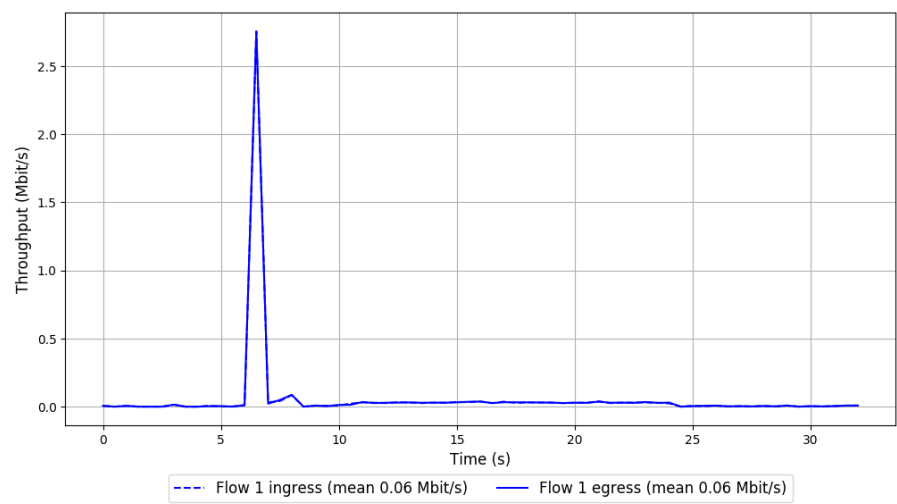


Run 7: Statistics of WebRTC media

Start at: 2018-04-17 07:14:23
End at: 2018-04-17 07:14:53
Local clock offset: -5.592 ms
Remote clock offset: 11.403 ms

Below is generated by plot.py at 2018-04-17 08:51:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 105.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 105.996 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-17 07:35:32

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

Local clock offset: -5.187 ms

Remote clock offset: 9.428 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 103.193 ms

Loss rate: 0.00%

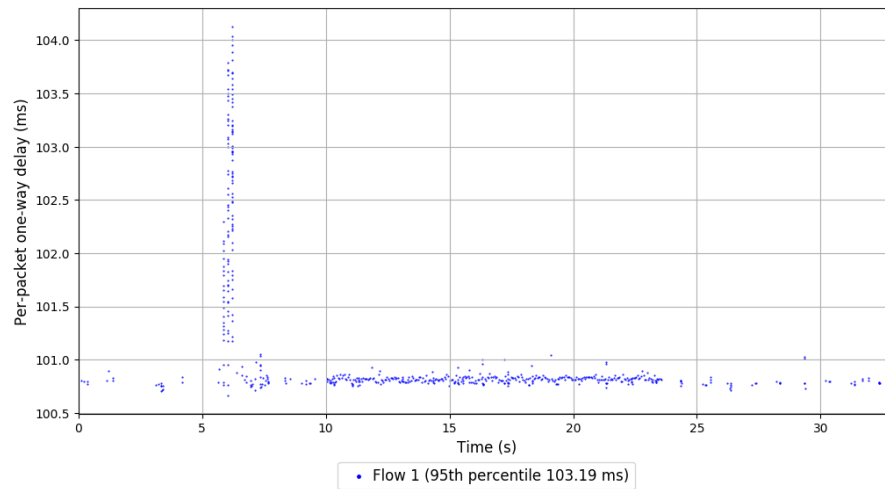
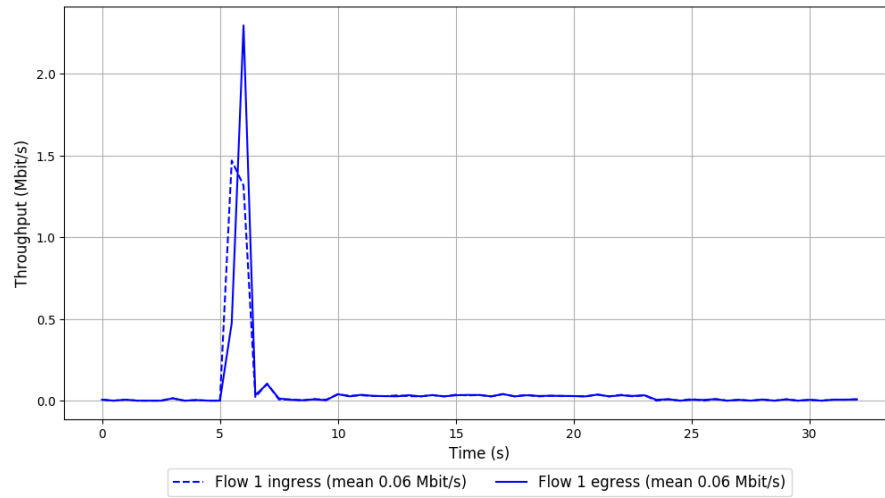
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 103.193 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 07:56:31

End at: 2018-04-17 07:57:01

Local clock offset: -4.886 ms

Remote clock offset: 9.881 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 102.581 ms

Loss rate: 0.00%

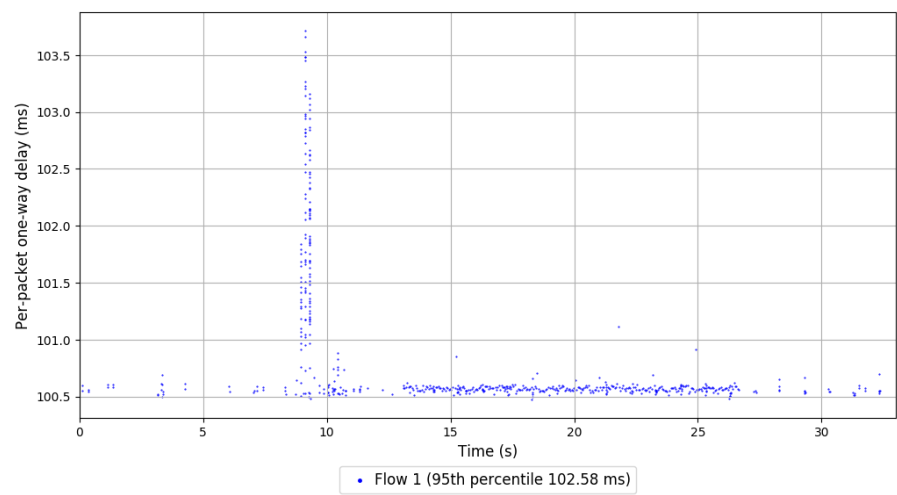
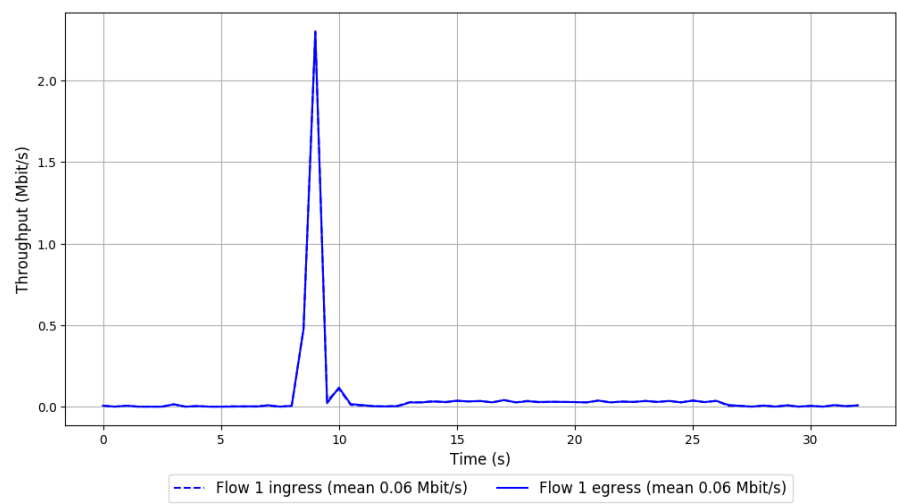
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 102.581 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

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

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

Local clock offset: -5.276 ms

Remote clock offset: 9.707 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 130.001 ms

Loss rate: 0.00%

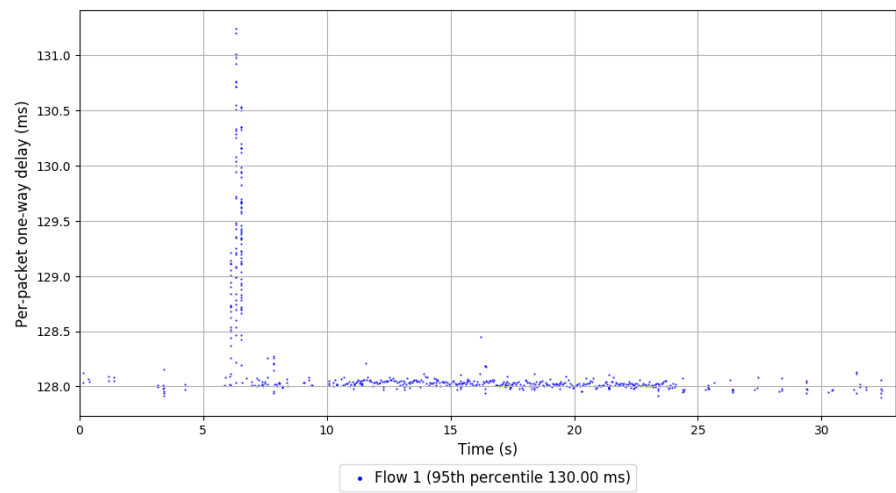
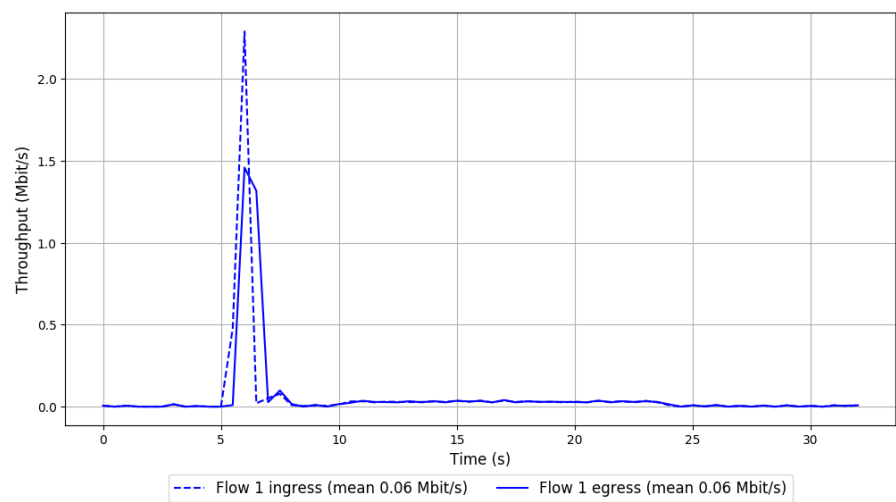
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 130.001 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-17 05:01:20

End at: 2018-04-17 05:01:50

Local clock offset: -4.07 ms

Remote clock offset: 6.679 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 105.890 ms

Loss rate: 0.00%

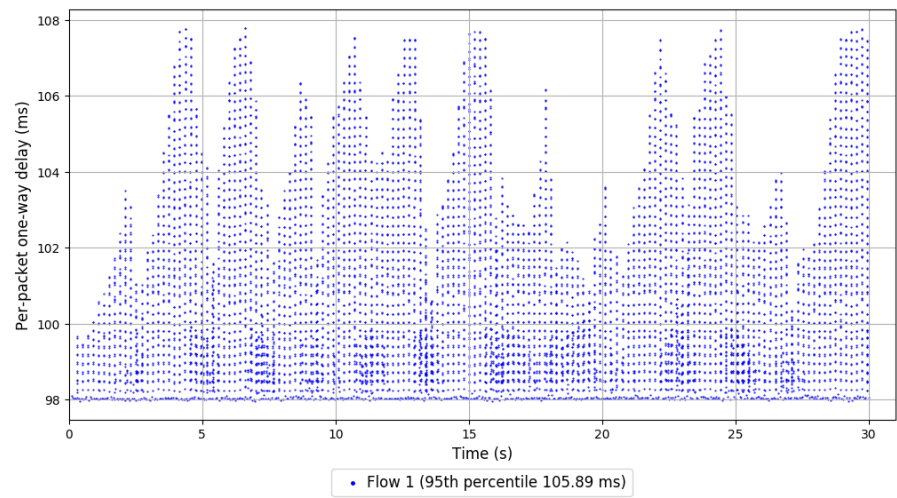
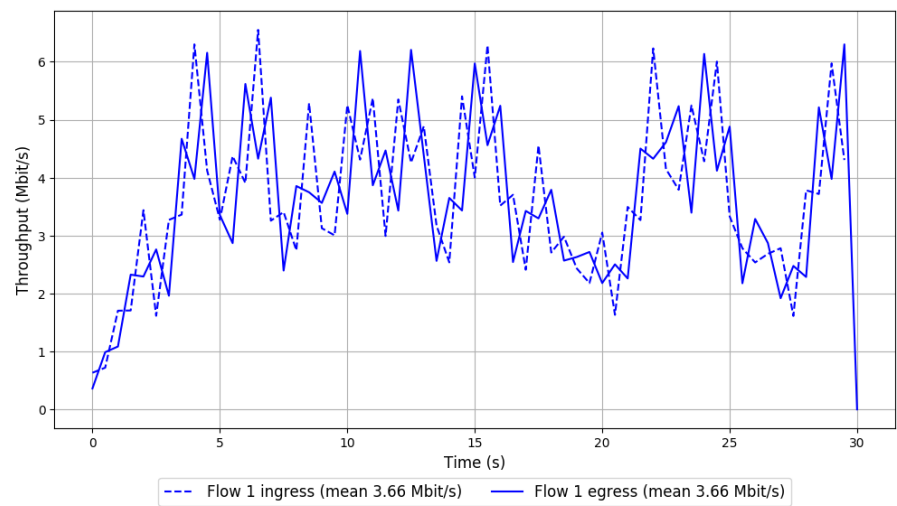
-- Flow 1:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 105.890 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-17 05:22:42

End at: 2018-04-17 05:23:12

Local clock offset: -2.916 ms

Remote clock offset: 6.371 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 103.723 ms

Loss rate: 0.00%

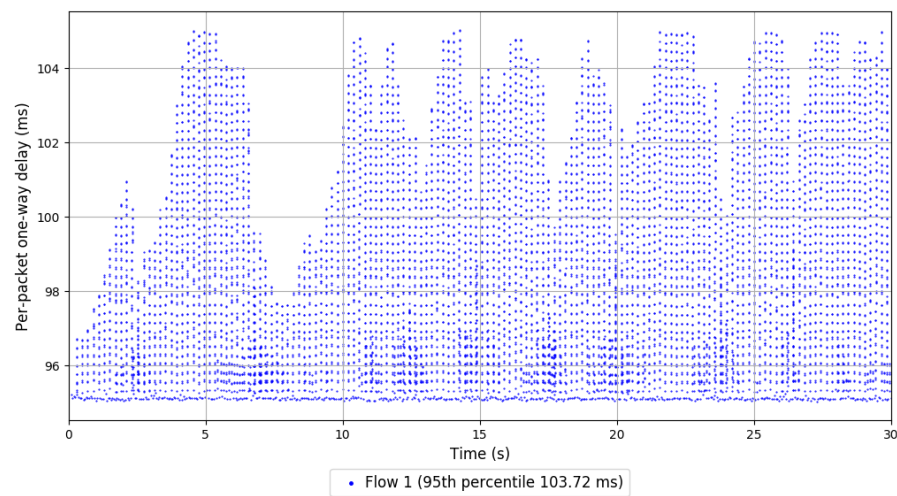
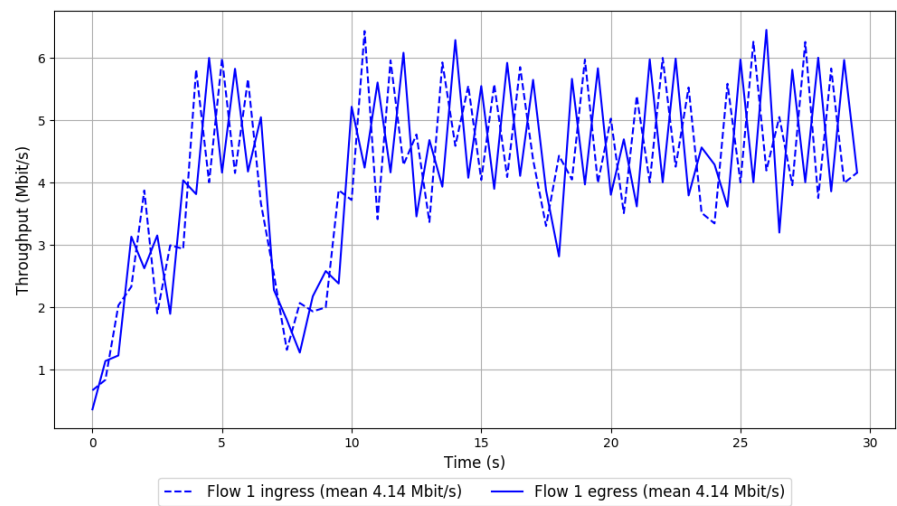
-- Flow 1:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 103.723 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-17 05:43:51

End at: 2018-04-17 05:44:21

Local clock offset: -4.23 ms

Remote clock offset: 6.464 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 104.592 ms

Loss rate: 0.00%

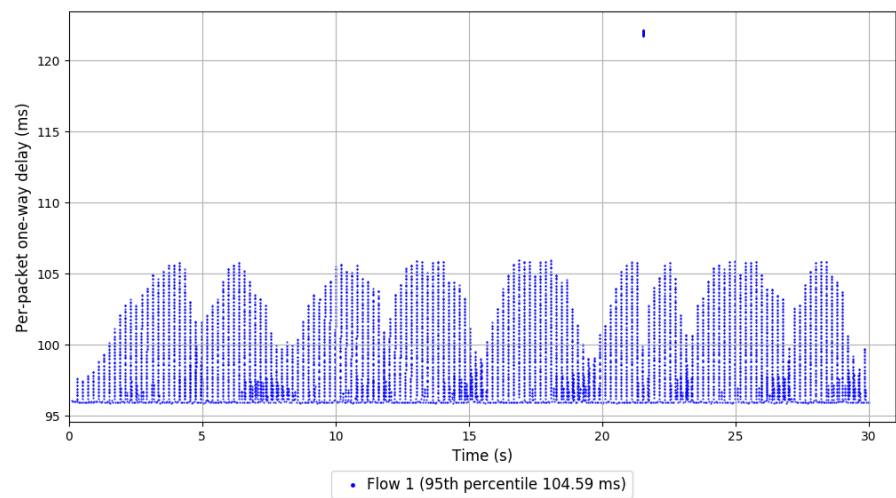
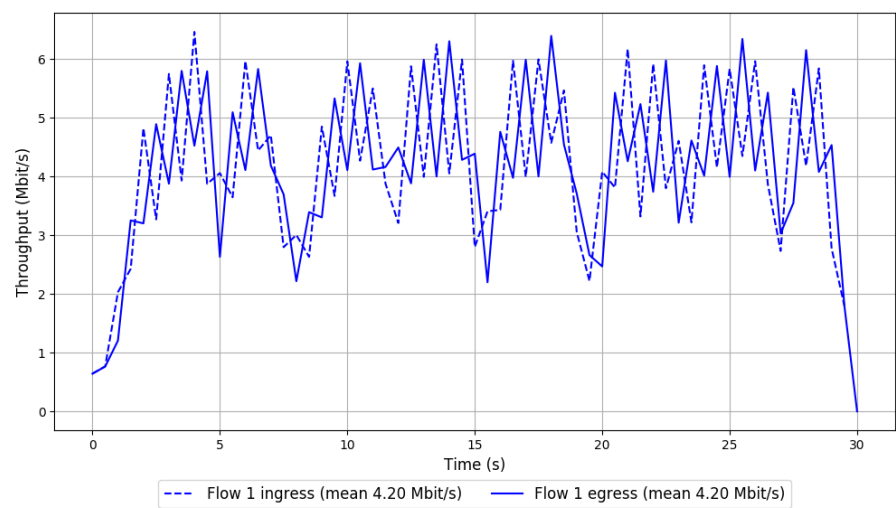
-- Flow 1:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 104.592 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

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

End at: 2018-04-17 06:05:13

Local clock offset: -5.437 ms

Remote clock offset: 12.19 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 110.682 ms

Loss rate: 0.00%

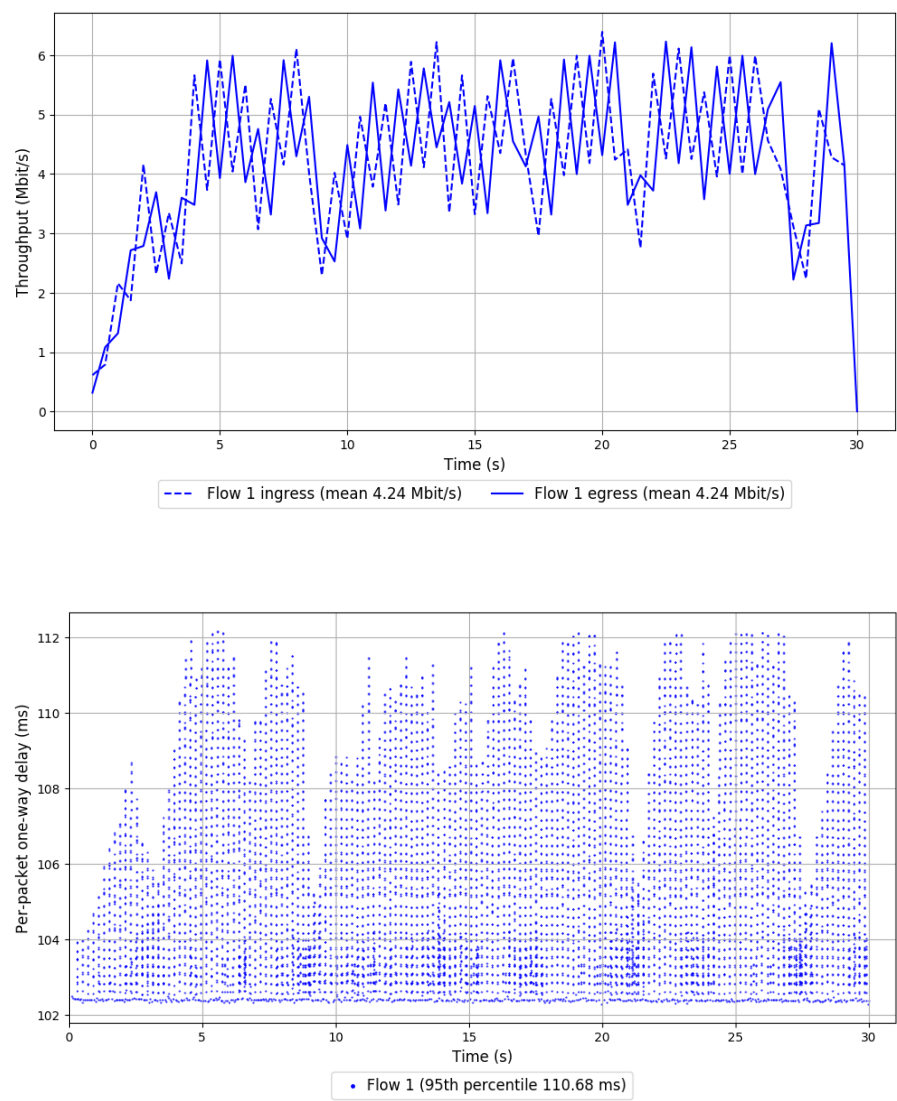
-- Flow 1:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 110.682 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

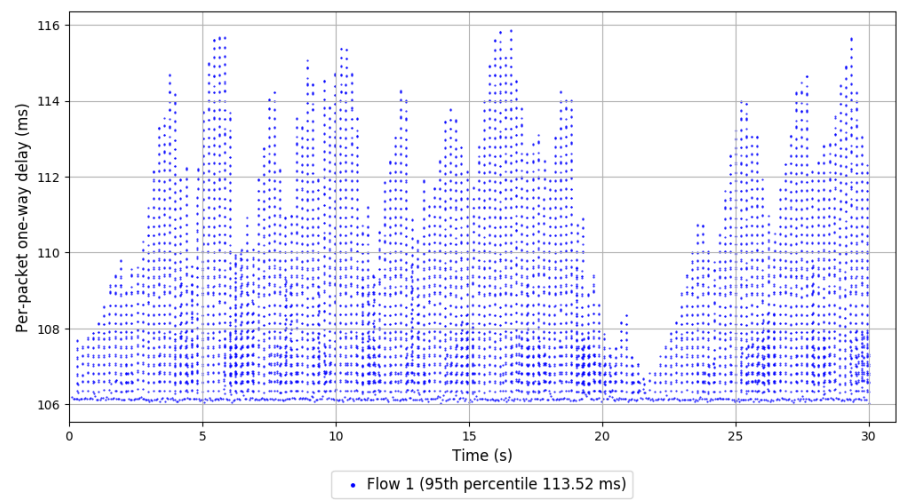
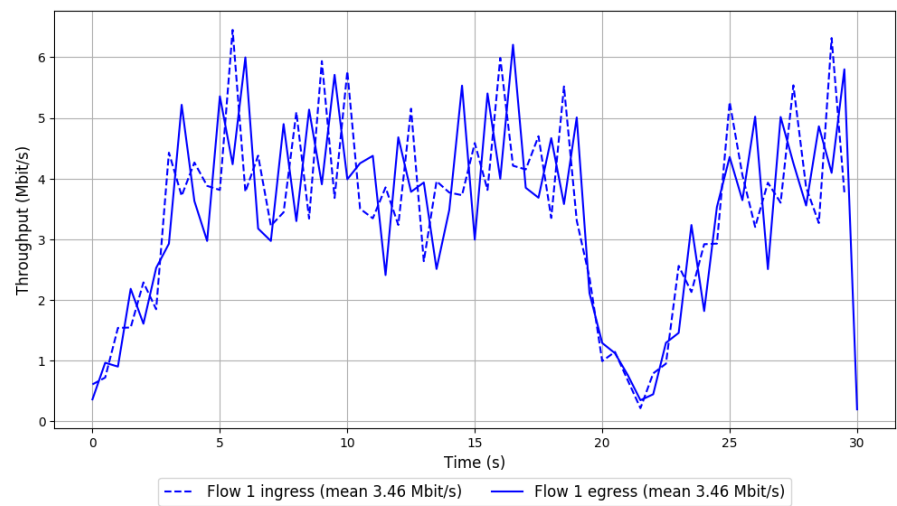


Run 5: Statistics of Sprout

Start at: 2018-04-17 06:25:51
End at: 2018-04-17 06:26:21
Local clock offset: -6.035 ms
Remote clock offset: 12.233 ms

Below is generated by plot.py at 2018-04-17 08:51:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 113.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 113.516 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

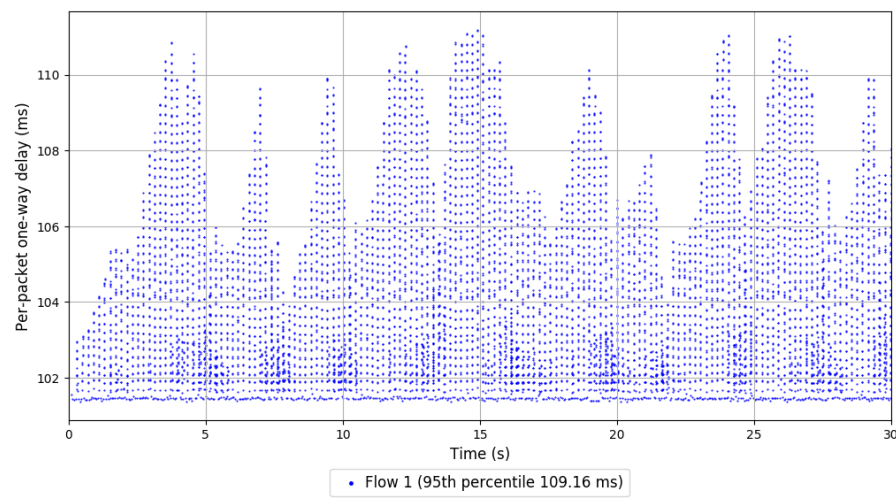
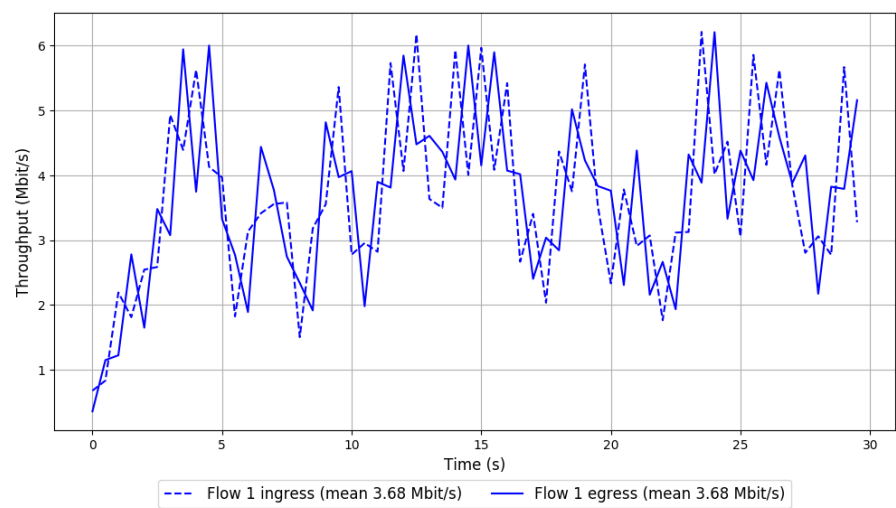


Run 6: Statistics of Sprout

Start at: 2018-04-17 06:47:04
End at: 2018-04-17 06:47:34
Local clock offset: -4.591 ms
Remote clock offset: 12.619 ms

Below is generated by plot.py at 2018-04-17 08:51:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 109.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 109.155 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

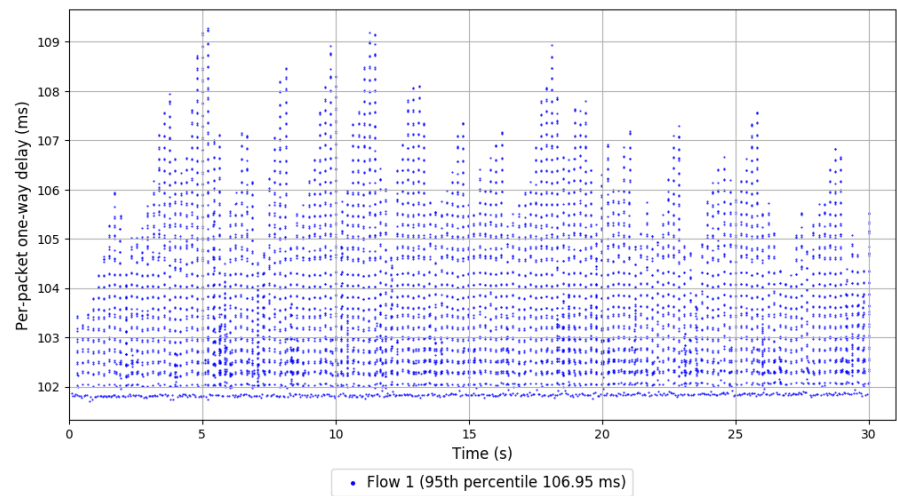
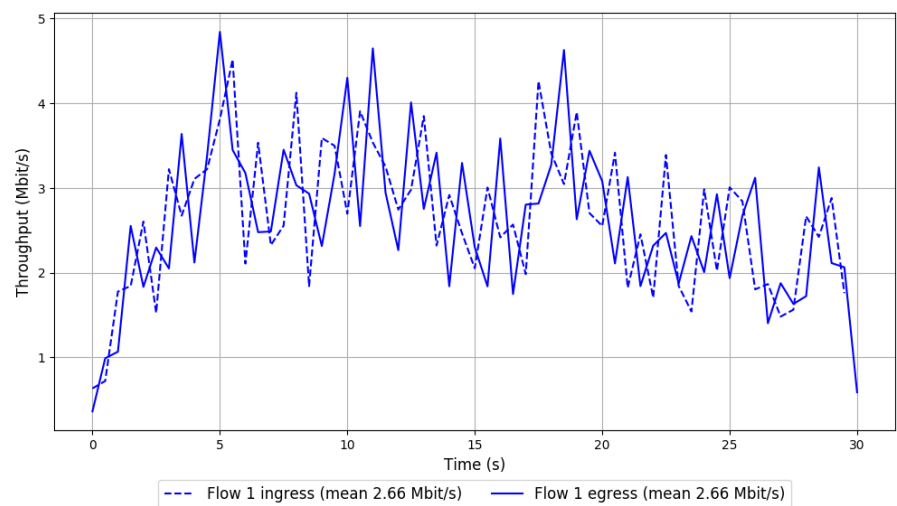


Run 7: Statistics of Sprout

Start at: 2018-04-17 07:08:14
End at: 2018-04-17 07:08:44
Local clock offset: -5.205 ms
Remote clock offset: 6.457 ms

Below is generated by plot.py at 2018-04-17 08:51:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 106.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 106.948 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

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

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

Local clock offset: -5.905 ms

Remote clock offset: 9.67 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 110.007 ms

Loss rate: 0.00%

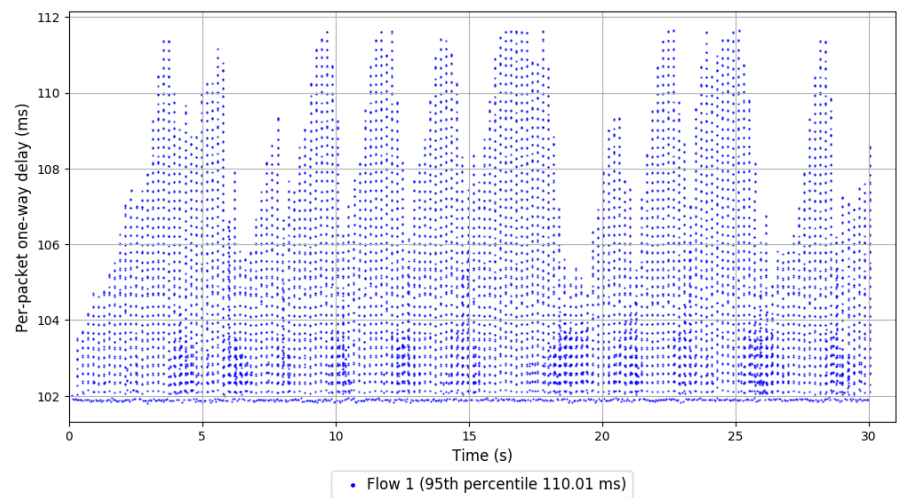
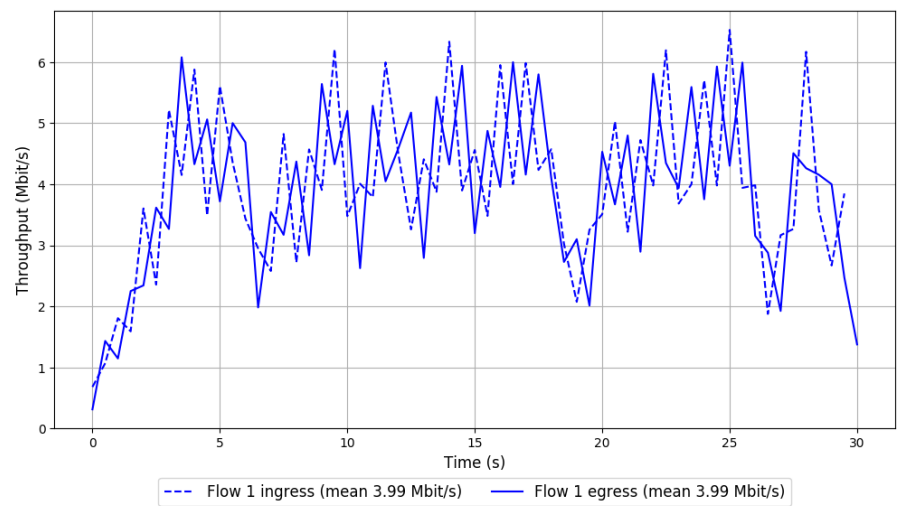
-- Flow 1:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 110.007 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-17 07:50:24

End at: 2018-04-17 07:50:54

Local clock offset: -4.956 ms

Remote clock offset: 4.146 ms

Below is generated by plot.py at 2018-04-17 08:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 108.791 ms

Loss rate: 0.00%

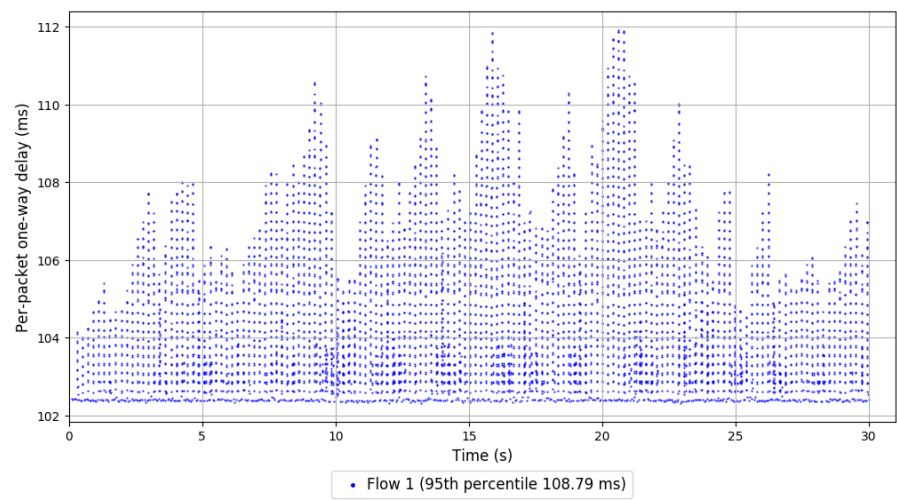
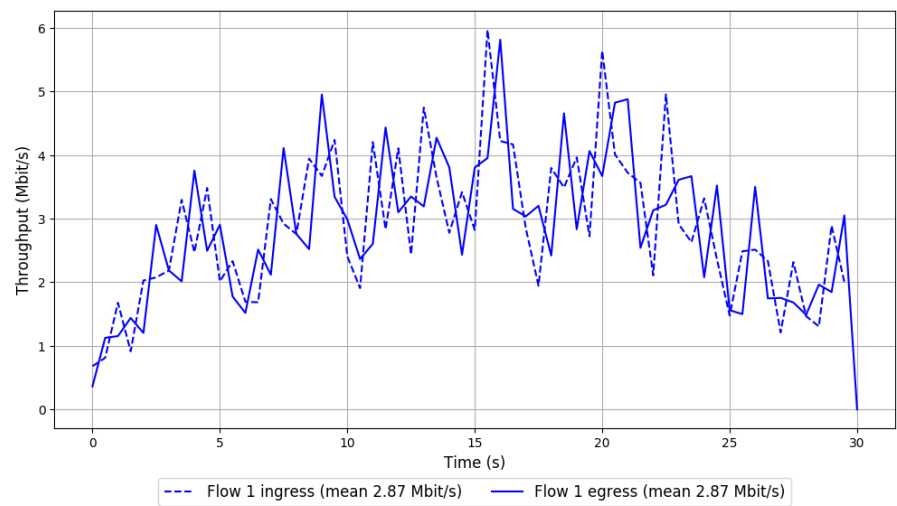
-- Flow 1:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 108.791 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

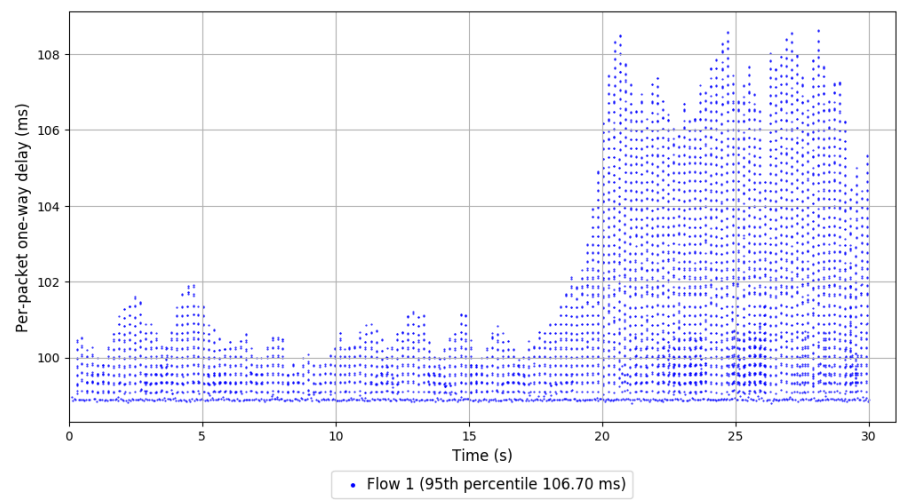
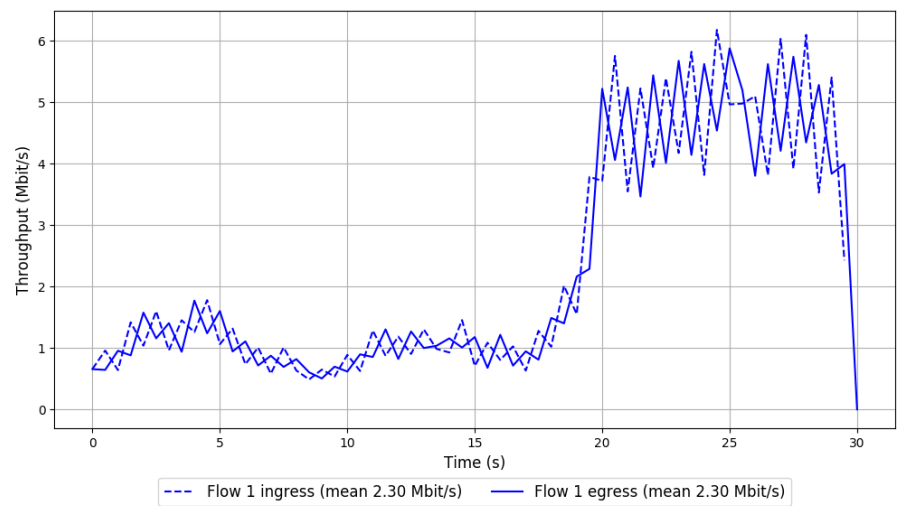


Run 10: Statistics of Sprout

Start at: 2018-04-17 08:11:32
End at: 2018-04-17 08:12:02
Local clock offset: -4.796 ms
Remote clock offset: 10.552 ms

Below is generated by plot.py at 2018-04-17 08:51:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 106.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 106.698 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

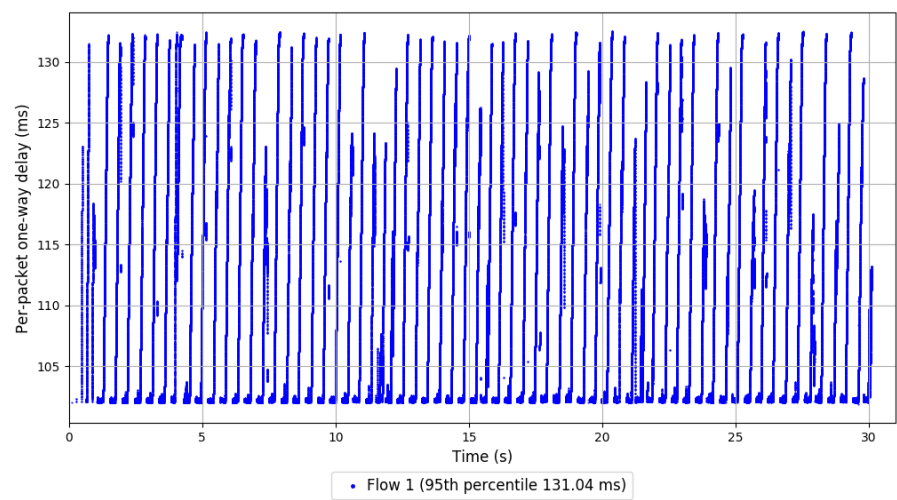
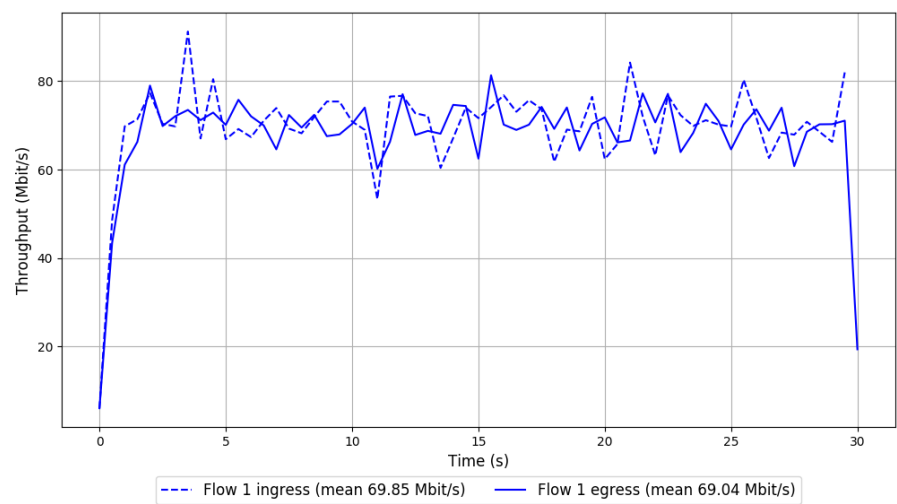


Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 04:52:40
End at: 2018-04-17 04:53:10
Local clock offset: -4.224 ms
Remote clock offset: 11.147 ms

Below is generated by plot.py at 2018-04-17 08:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.04 Mbit/s
95th percentile per-packet one-way delay: 131.044 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 69.04 Mbit/s
95th percentile per-packet one-way delay: 131.044 ms
Loss rate: 1.12%

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

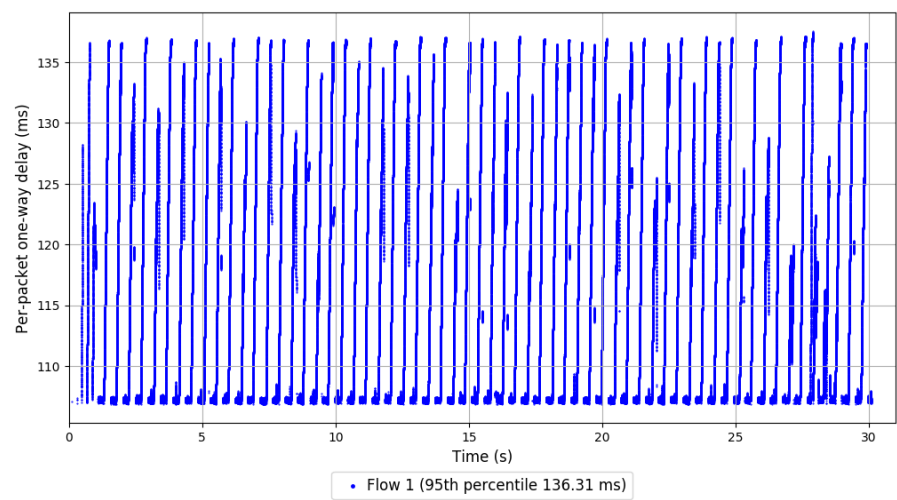
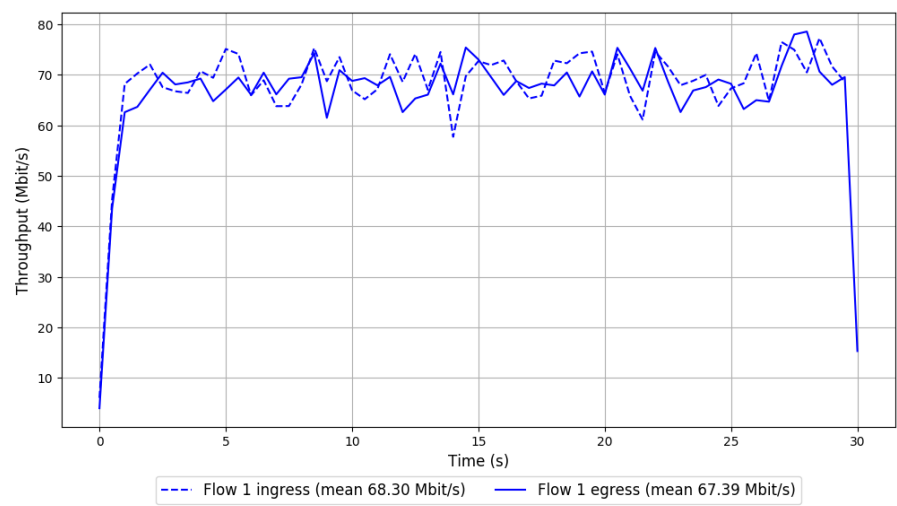


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 05:13:36
End at: 2018-04-17 05:14:06
Local clock offset: -3.066 ms
Remote clock offset: 11.141 ms

Below is generated by plot.py at 2018-04-17 08:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.39 Mbit/s
95th percentile per-packet one-way delay: 136.307 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 67.39 Mbit/s
95th percentile per-packet one-way delay: 136.307 ms
Loss rate: 1.33%

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

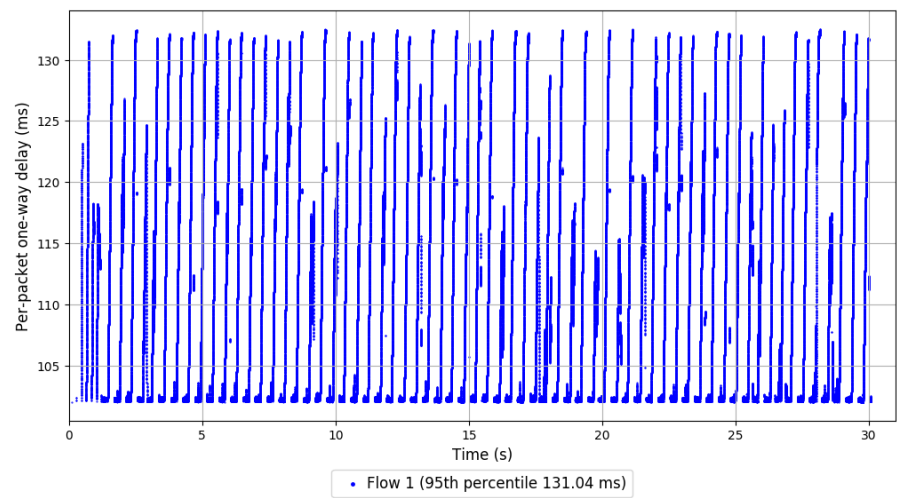
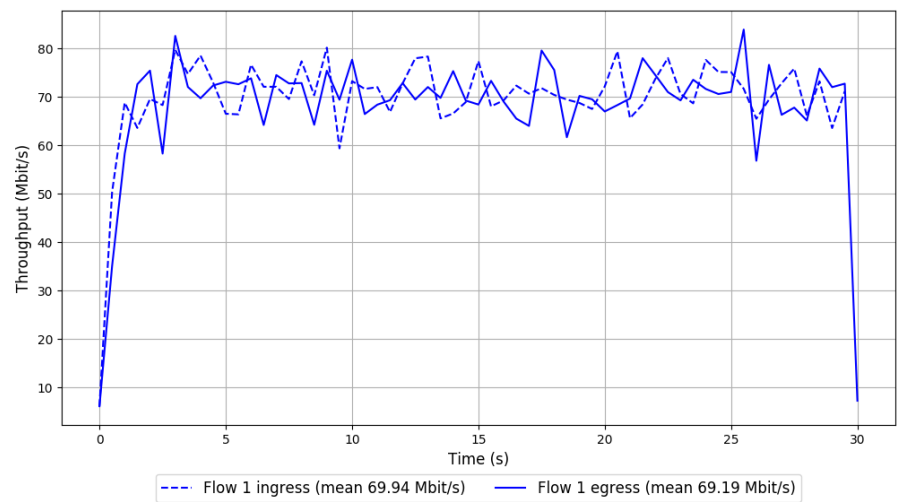


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 05:34:54
End at: 2018-04-17 05:35:24
Local clock offset: -4.958 ms
Remote clock offset: 11.304 ms

Below is generated by plot.py at 2018-04-17 08:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 131.042 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 131.042 ms
Loss rate: 1.07%

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

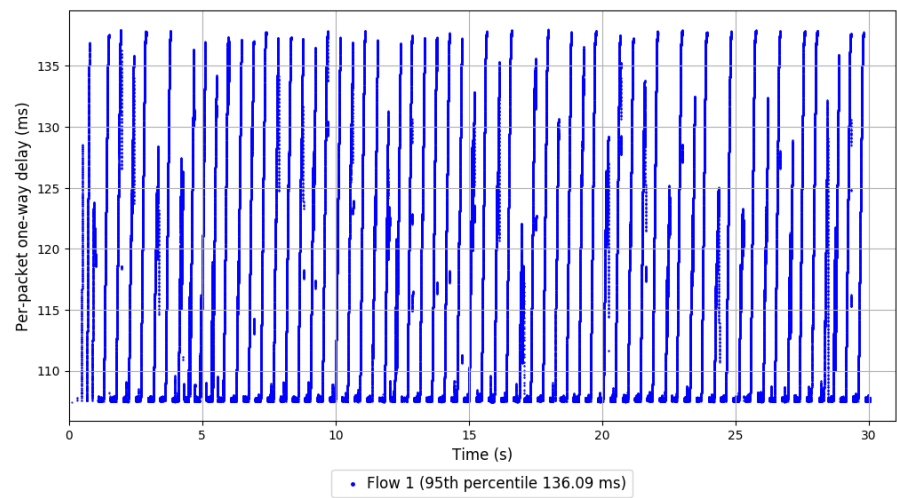
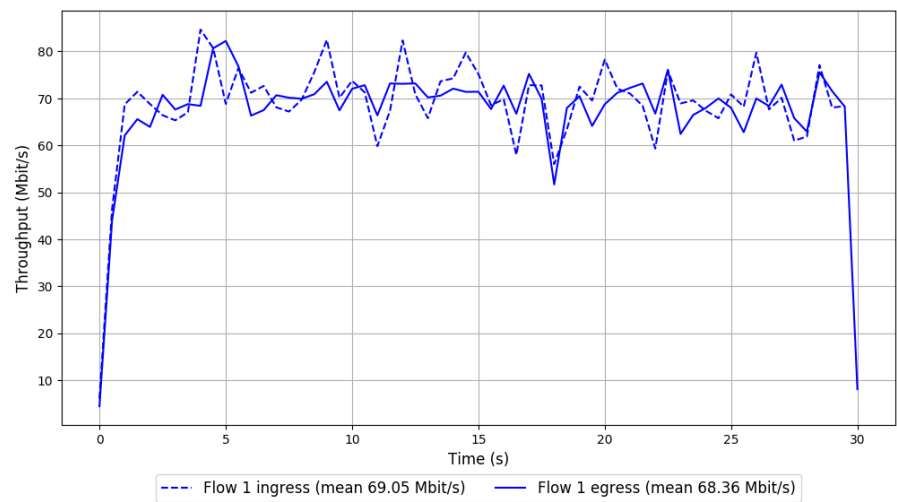


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 05:56:02
End at: 2018-04-17 05:56:32
Local clock offset: -4.226 ms
Remote clock offset: 12.199 ms

Below is generated by plot.py at 2018-04-17 08:53:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.36 Mbit/s
95th percentile per-packet one-way delay: 136.094 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 68.36 Mbit/s
95th percentile per-packet one-way delay: 136.094 ms
Loss rate: 0.99%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 06:16:54

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

Local clock offset: -4.323 ms

Remote clock offset: 5.734 ms

Below is generated by plot.py at 2018-04-17 08:53:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.19 Mbit/s

95th percentile per-packet one-way delay: 123.640 ms

Loss rate: 1.03%

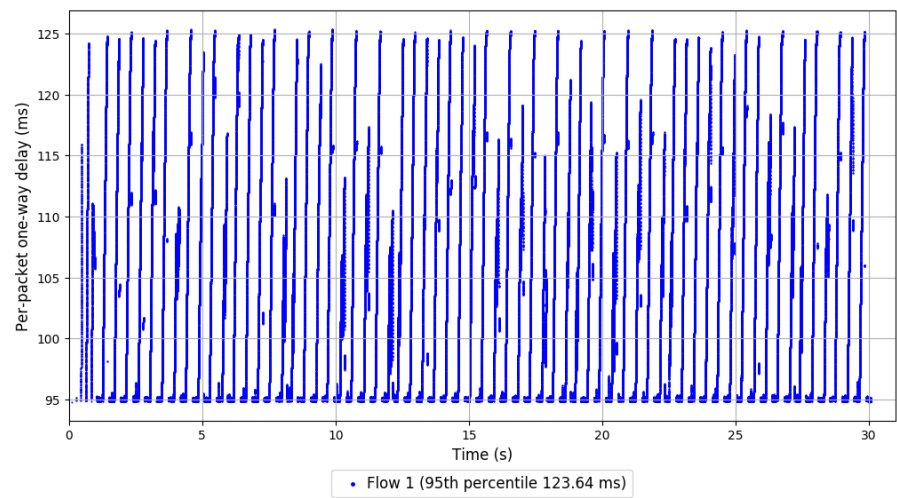
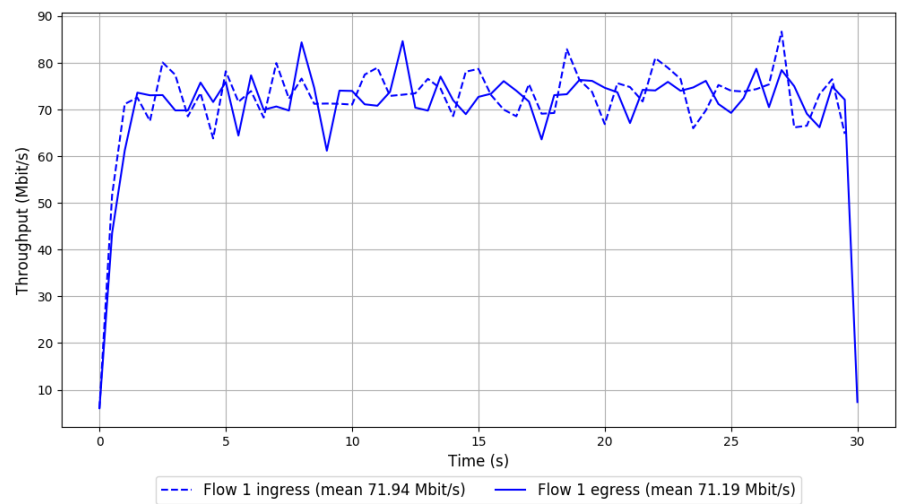
-- Flow 1:

Average throughput: 71.19 Mbit/s

95th percentile per-packet one-way delay: 123.640 ms

Loss rate: 1.03%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 06:38:03

End at: 2018-04-17 06:38:33

Local clock offset: -5.663 ms

Remote clock offset: 11.616 ms

Below is generated by plot.py at 2018-04-17 08:53:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.71 Mbit/s

95th percentile per-packet one-way delay: 130.036 ms

Loss rate: 0.93%

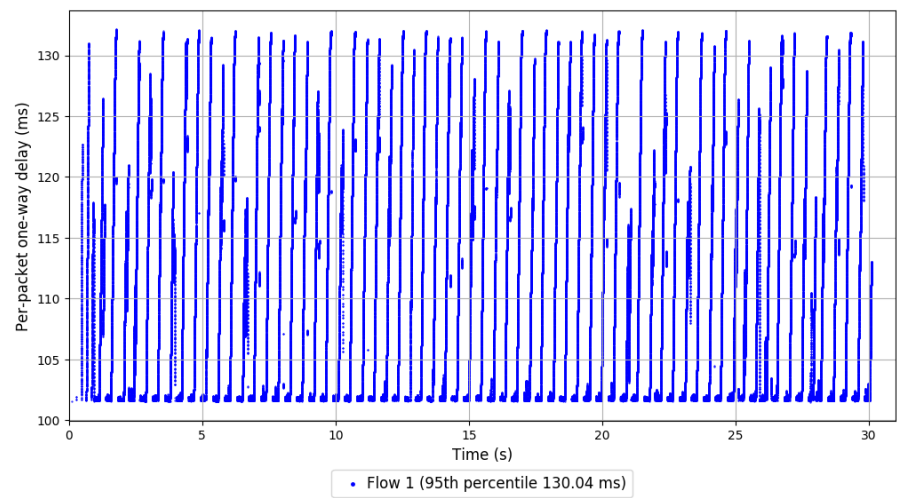
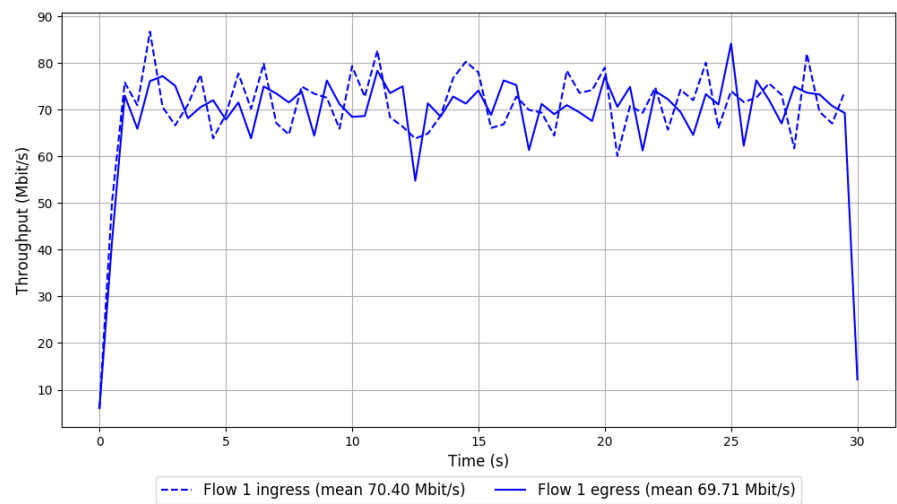
-- Flow 1:

Average throughput: 69.71 Mbit/s

95th percentile per-packet one-way delay: 130.036 ms

Loss rate: 0.93%

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

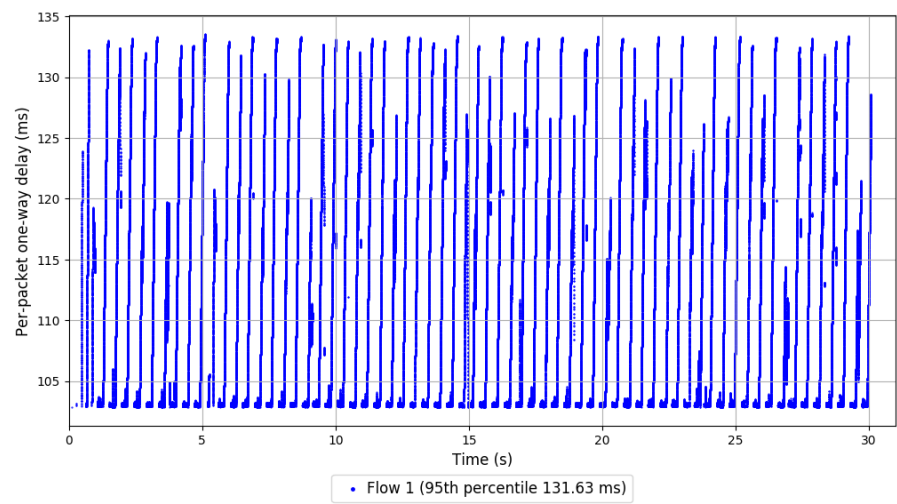
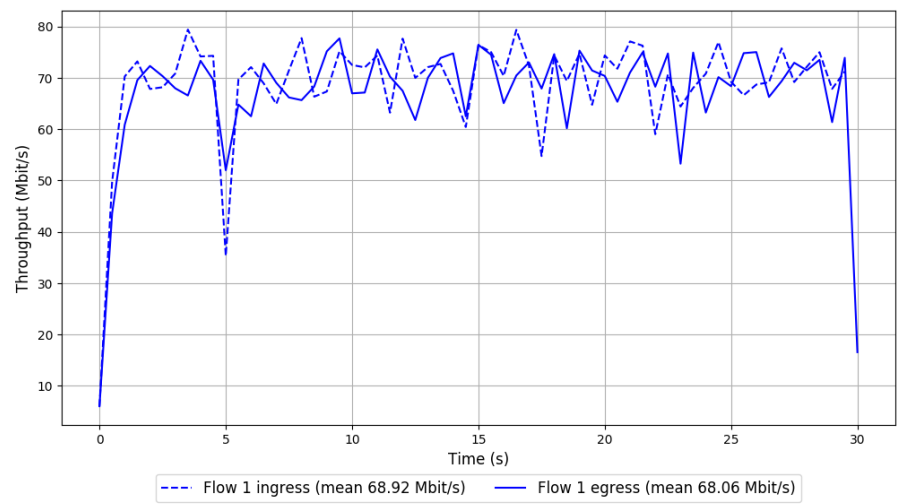


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 06:59:16
End at: 2018-04-17 06:59:46
Local clock offset: -5.209 ms
Remote clock offset: 12.711 ms

Below is generated by plot.py at 2018-04-17 08:53:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 131.631 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 131.631 ms
Loss rate: 1.15%

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

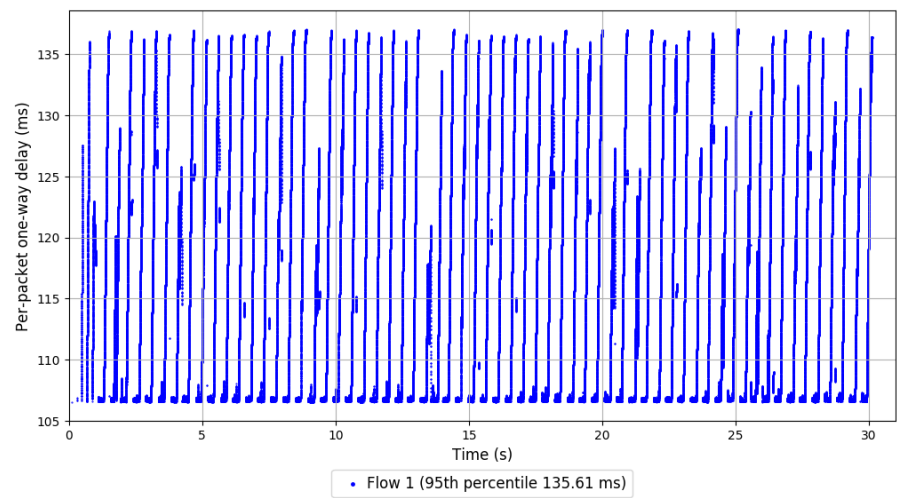
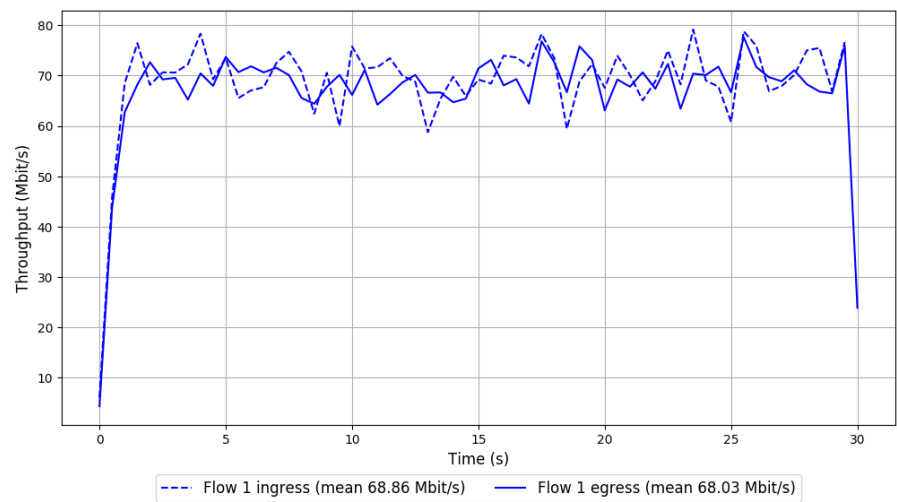


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 07:20:30
End at: 2018-04-17 07:21:00
Local clock offset: -5.713 ms
Remote clock offset: 11.001 ms

Below is generated by plot.py at 2018-04-17 08:53:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 135.610 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 135.610 ms
Loss rate: 1.09%

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

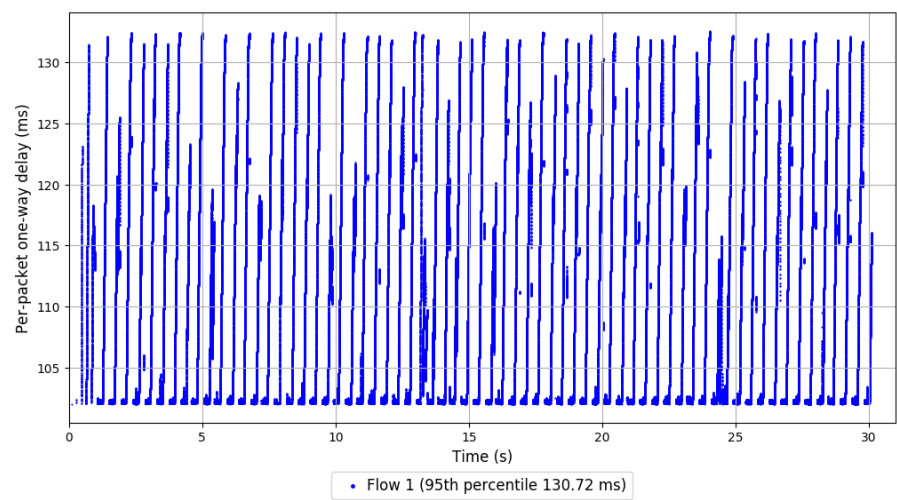
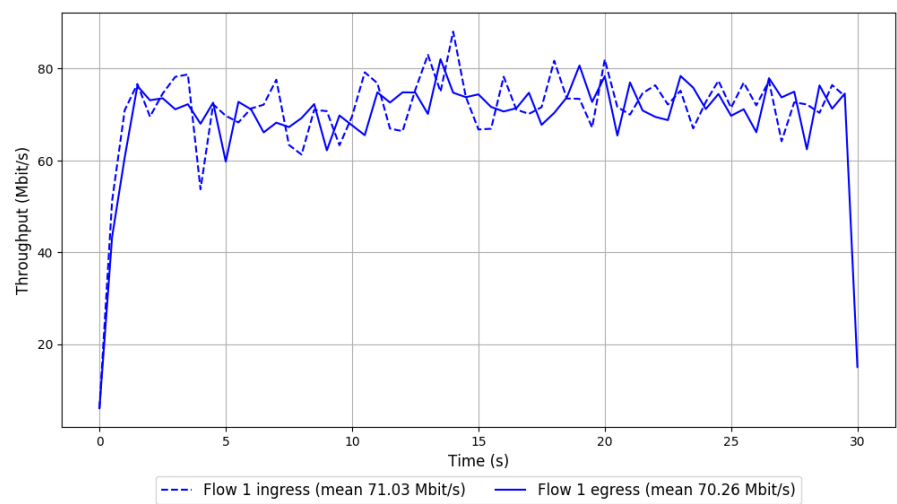


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 07:41:38
End at: 2018-04-17 07:42:08
Local clock offset: -5.135 ms
Remote clock offset: 10.404 ms

Below is generated by plot.py at 2018-04-17 08:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.26 Mbit/s
95th percentile per-packet one-way delay: 130.715 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 70.26 Mbit/s
95th percentile per-packet one-way delay: 130.715 ms
Loss rate: 1.04%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 08:02:38

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

Local clock offset: -4.096 ms

Remote clock offset: 5.03 ms

Below is generated by plot.py at 2018-04-17 08:55:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.77 Mbit/s

95th percentile per-packet one-way delay: 129.855 ms

Loss rate: 1.13%

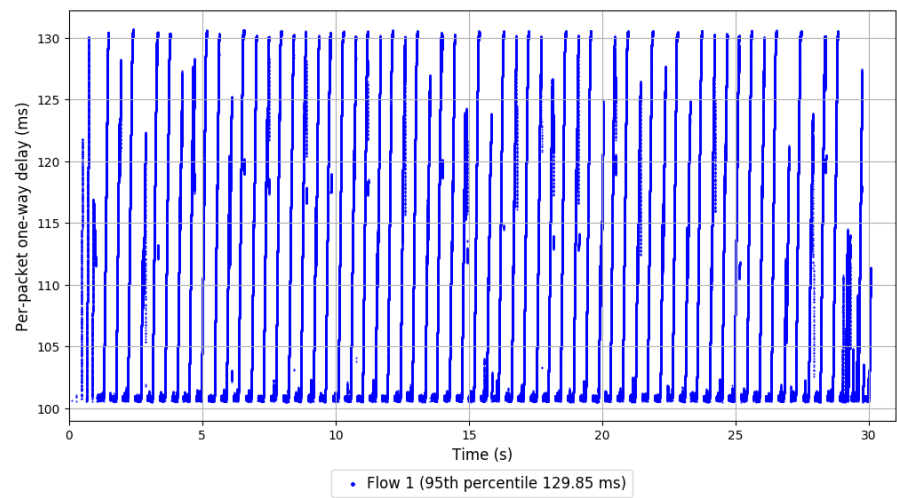
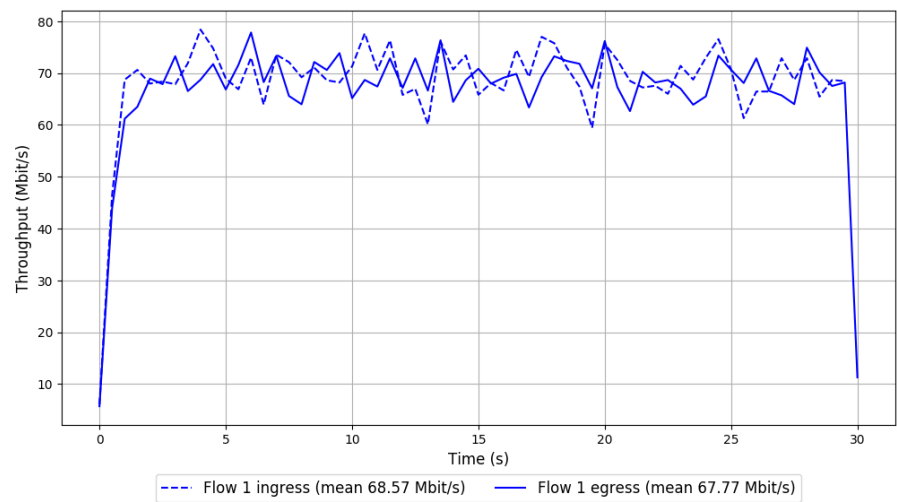
-- Flow 1:

Average throughput: 67.77 Mbit/s

95th percentile per-packet one-way delay: 129.855 ms

Loss rate: 1.13%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 05:08:39

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

Local clock offset: -3.113 ms

Remote clock offset: 5.626 ms

Below is generated by plot.py at 2018-04-17 08:55:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.21 Mbit/s

95th percentile per-packet one-way delay: 95.317 ms

Loss rate: 0.29%

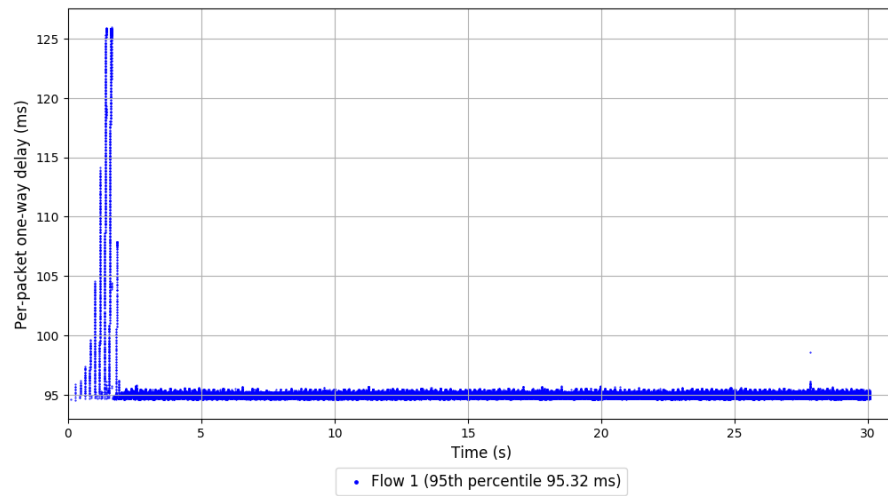
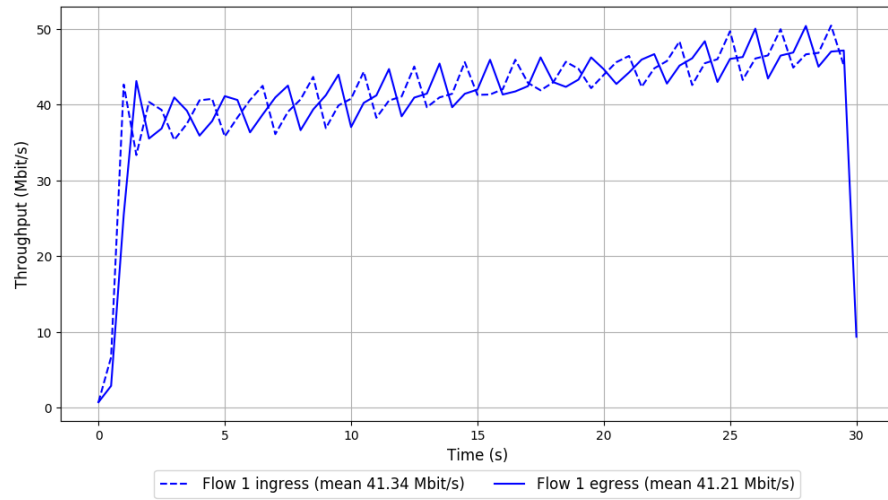
-- Flow 1:

Average throughput: 41.21 Mbit/s

95th percentile per-packet one-way delay: 95.317 ms

Loss rate: 0.29%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 05:29:58

End at: 2018-04-17 05:30:28

Local clock offset: -4.012 ms

Remote clock offset: 11.31 ms

Below is generated by plot.py at 2018-04-17 08:55:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.13 Mbit/s

95th percentile per-packet one-way delay: 99.718 ms

Loss rate: 0.32%

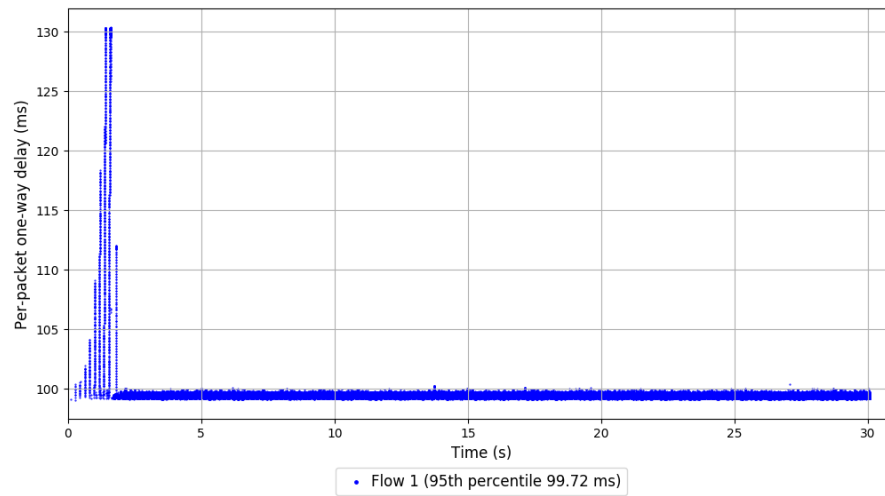
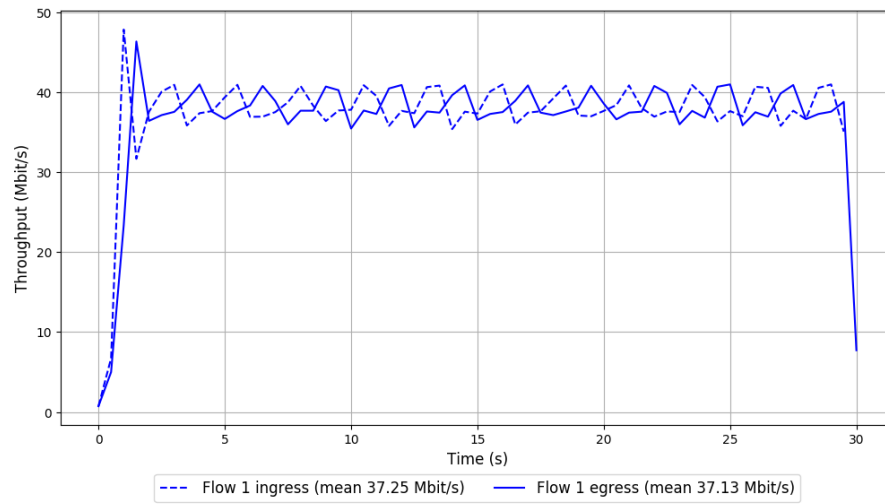
-- Flow 1:

Average throughput: 37.13 Mbit/s

95th percentile per-packet one-way delay: 99.718 ms

Loss rate: 0.32%

Run 2: Report of TCP Vegas — Data Link

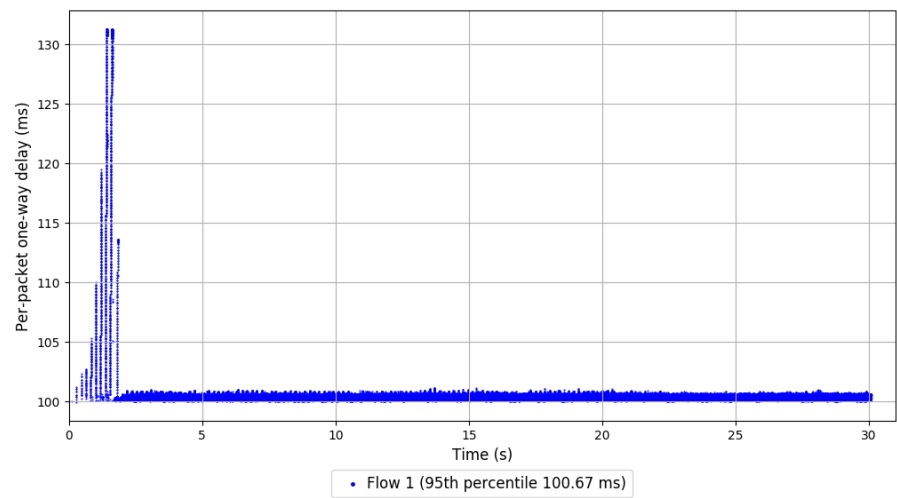
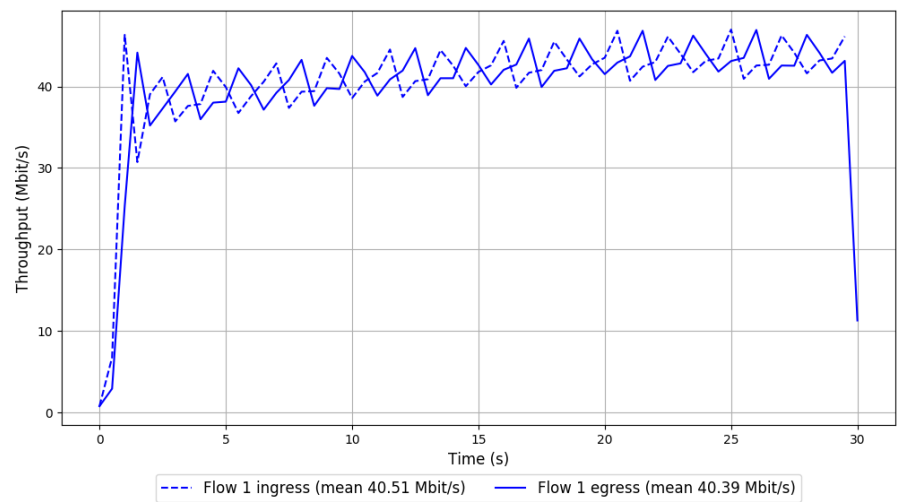


Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 05:51:06
End at: 2018-04-17 05:51:36
Local clock offset: -5.017 ms
Remote clock offset: 11.347 ms

Below is generated by plot.py at 2018-04-17 08:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 100.672 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 100.672 ms
Loss rate: 0.31%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 06:11:58

End at: 2018-04-17 06:12:28

Local clock offset: -4.945 ms

Remote clock offset: 6.596 ms

Below is generated by plot.py at 2018-04-17 08:55:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 96.959 ms

Loss rate: 0.30%

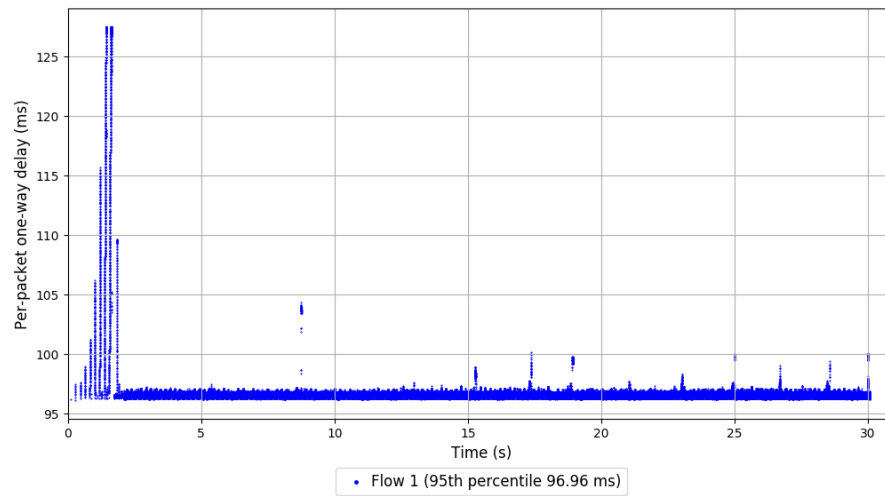
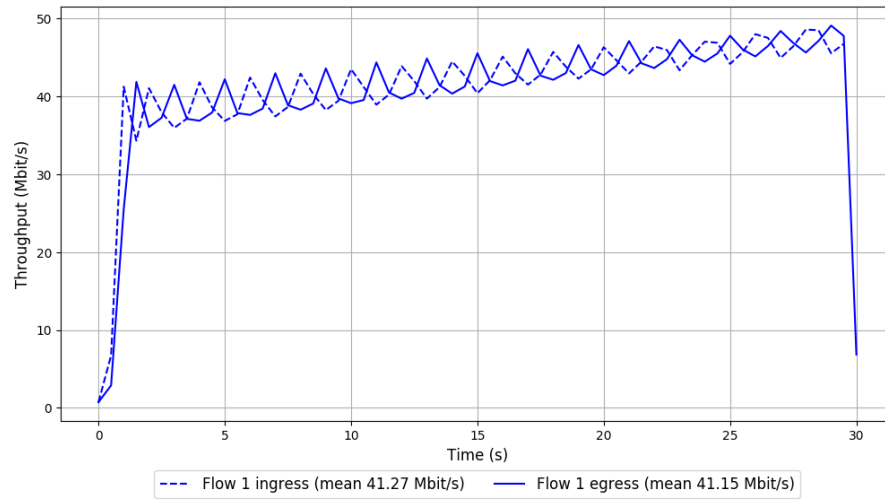
-- Flow 1:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 96.959 ms

Loss rate: 0.30%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

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

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

Local clock offset: -5.203 ms

Remote clock offset: 11.47 ms

Below is generated by plot.py at 2018-04-17 08:55:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.55 Mbit/s

95th percentile per-packet one-way delay: 108.790 ms

Loss rate: 0.31%

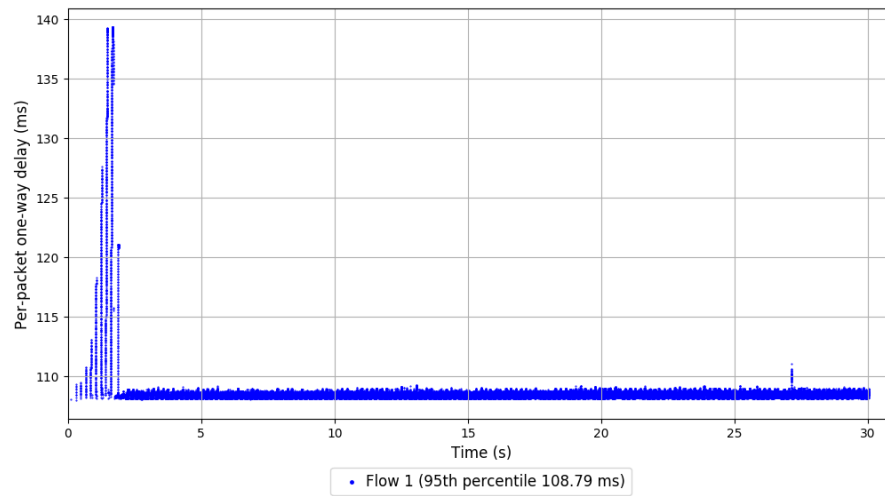
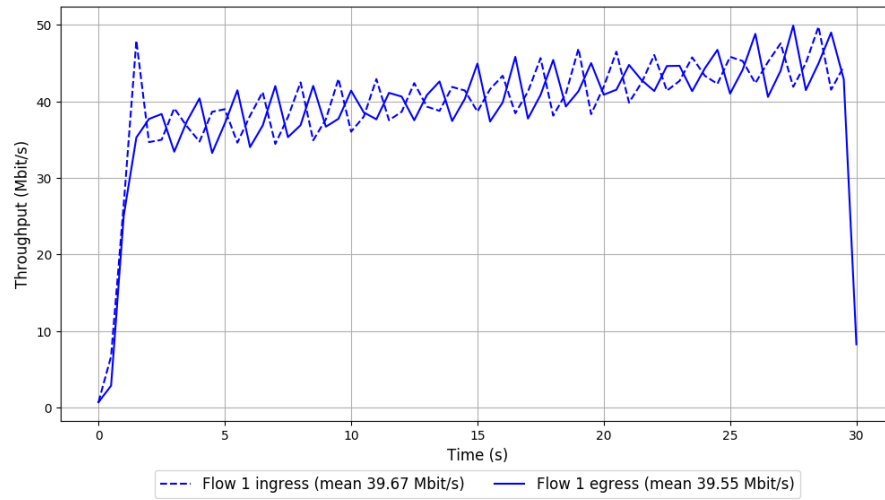
-- Flow 1:

Average throughput: 39.55 Mbit/s

95th percentile per-packet one-way delay: 108.790 ms

Loss rate: 0.31%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 06:54:19

End at: 2018-04-17 06:54:49

Local clock offset: -4.431 ms

Remote clock offset: 6.218 ms

Below is generated by plot.py at 2018-04-17 08:55:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.83 Mbit/s

95th percentile per-packet one-way delay: 95.585 ms

Loss rate: 0.33%

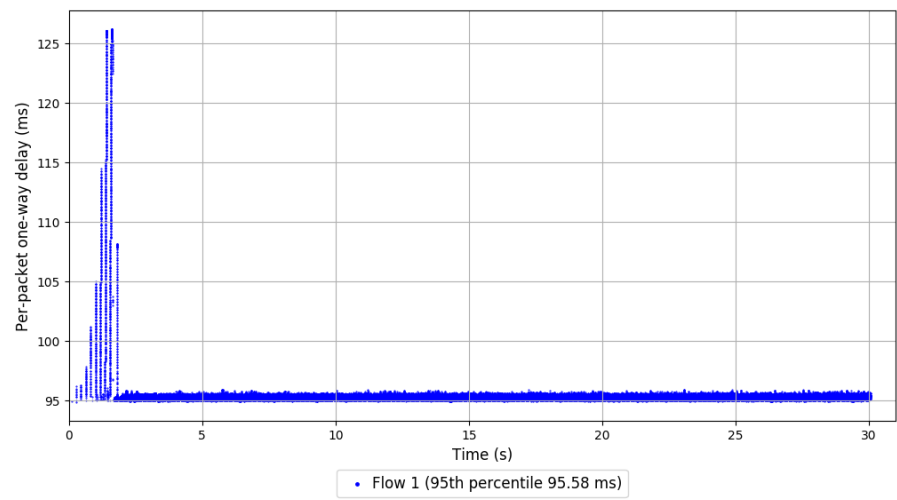
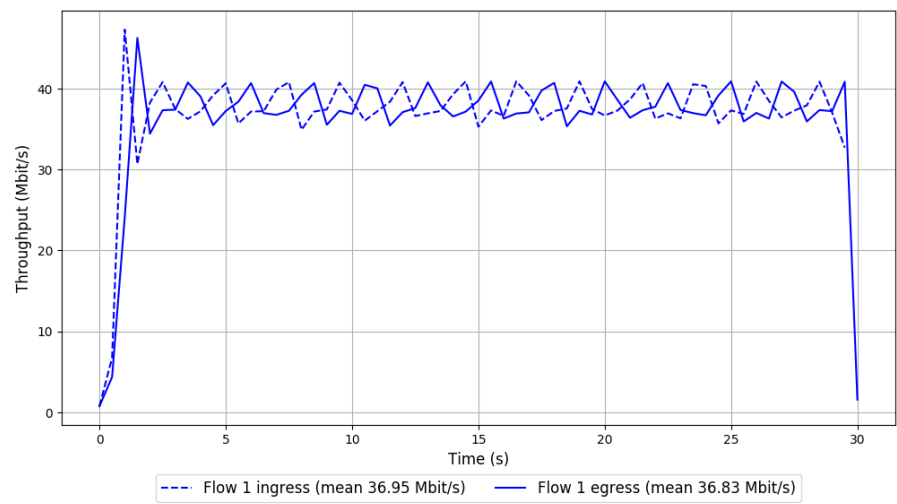
-- Flow 1:

Average throughput: 36.83 Mbit/s

95th percentile per-packet one-way delay: 95.585 ms

Loss rate: 0.33%

Run 6: Report of TCP Vegas — Data Link

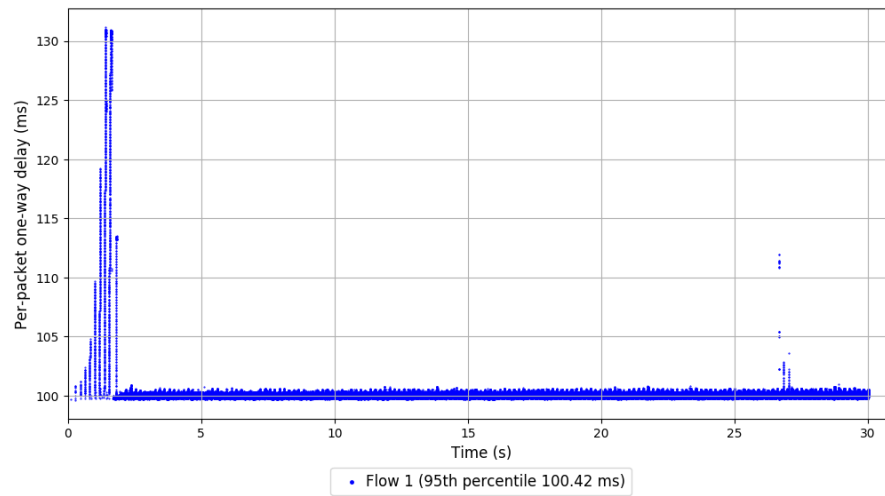
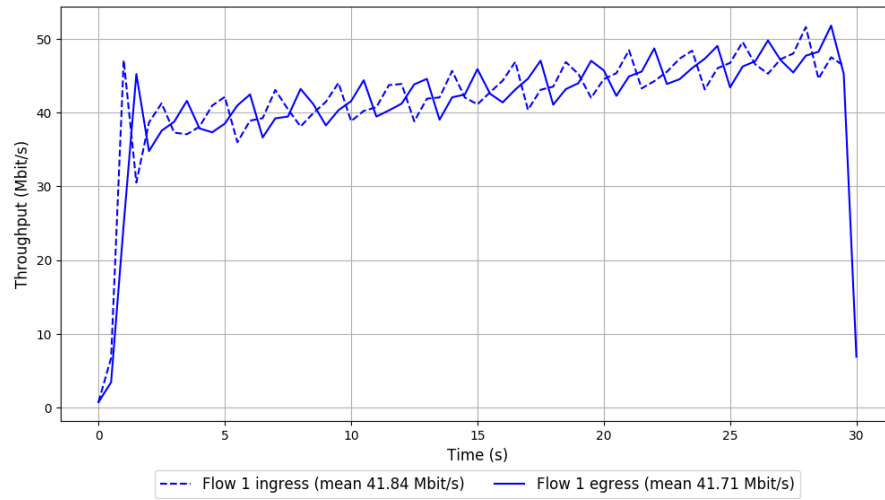


Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 07:15:33
End at: 2018-04-17 07:16:03
Local clock offset: -4.832 ms
Remote clock offset: 10.431 ms

Below is generated by plot.py at 2018-04-17 08:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 100.425 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 100.425 ms
Loss rate: 0.29%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 07:36:42

End at: 2018-04-17 07:37:12

Local clock offset: -5.919 ms

Remote clock offset: 8.655 ms

Below is generated by plot.py at 2018-04-17 08:55:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.51 Mbit/s

95th percentile per-packet one-way delay: 101.600 ms

Loss rate: 0.33%

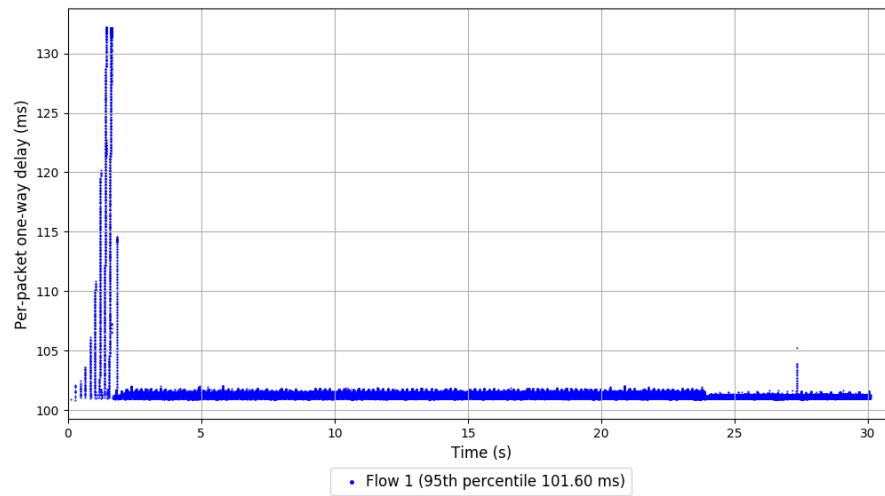
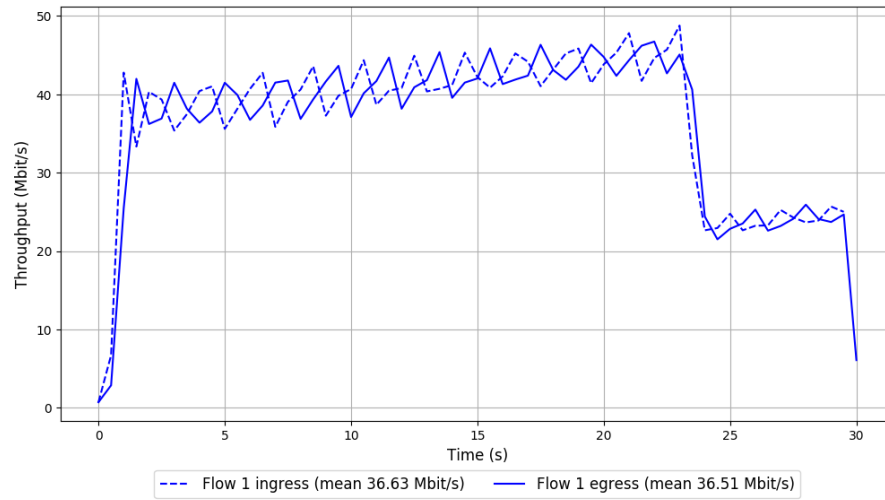
-- Flow 1:

Average throughput: 36.51 Mbit/s

95th percentile per-packet one-way delay: 101.600 ms

Loss rate: 0.33%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 07:57:40

End at: 2018-04-17 07:58:10

Local clock offset: -4.123 ms

Remote clock offset: 4.189 ms

Below is generated by plot.py at 2018-04-17 08:55:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.98 Mbit/s

95th percentile per-packet one-way delay: 95.196 ms

Loss rate: 0.33%

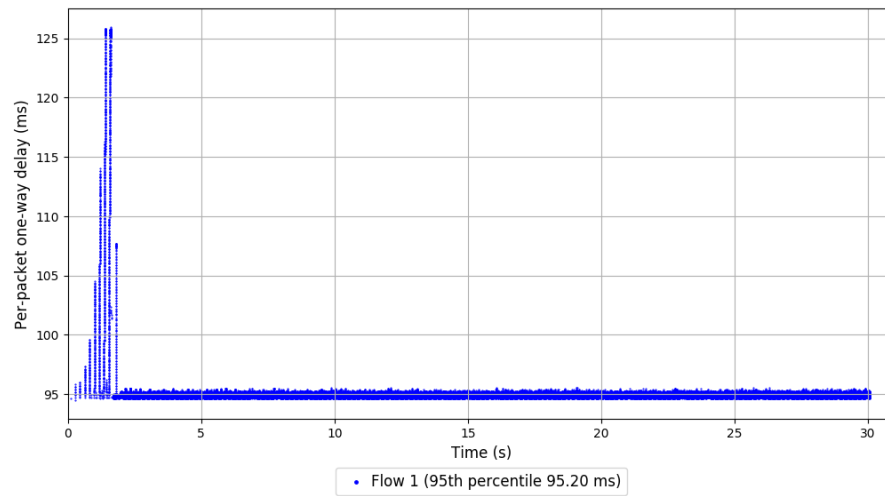
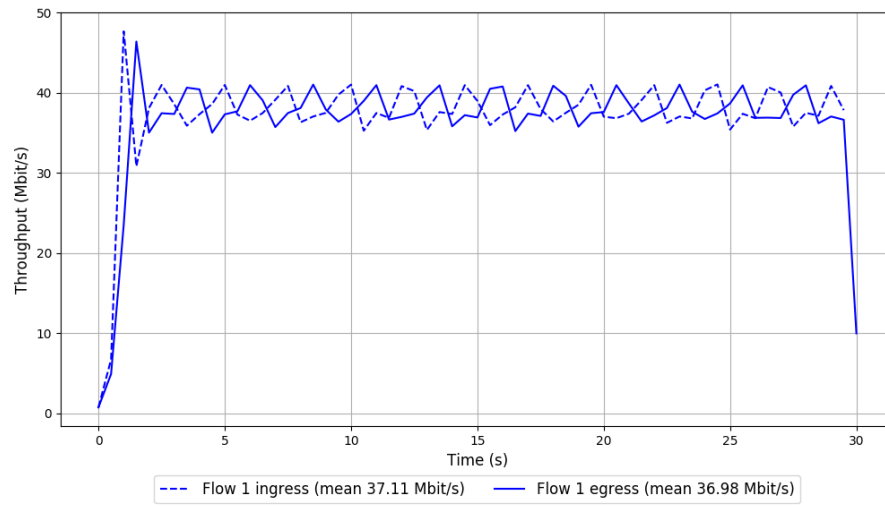
-- Flow 1:

Average throughput: 36.98 Mbit/s

95th percentile per-packet one-way delay: 95.196 ms

Loss rate: 0.33%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 08:18:49

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

Local clock offset: -5.434 ms

Remote clock offset: 9.685 ms

Below is generated by plot.py at 2018-04-17 08:55:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 123.757 ms

Loss rate: 0.34%

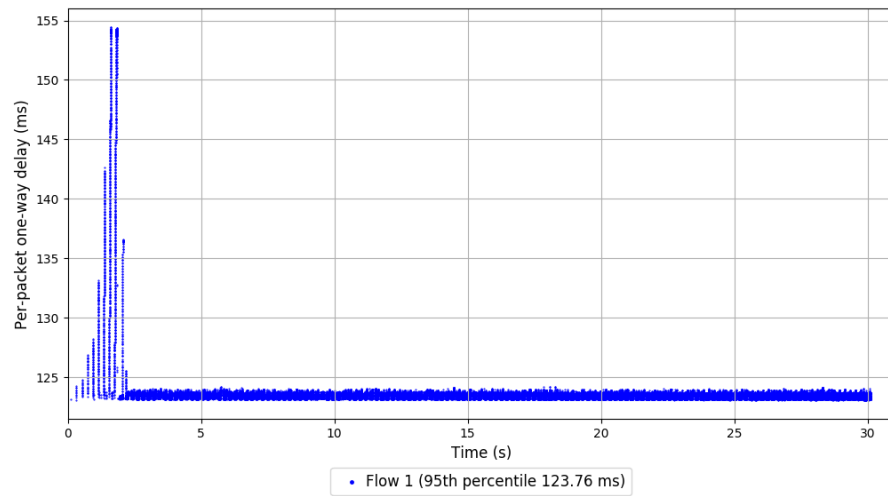
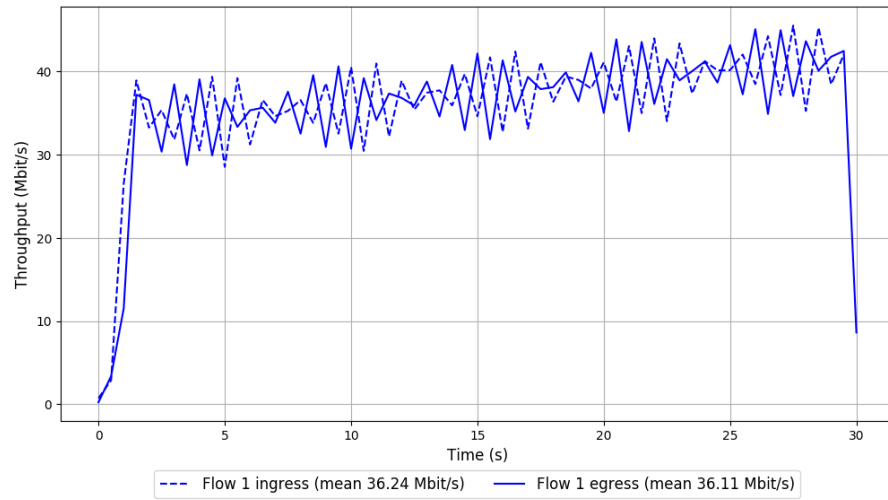
-- Flow 1:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 123.757 ms

Loss rate: 0.34%

Run 10: Report of TCP Vegas — Data Link

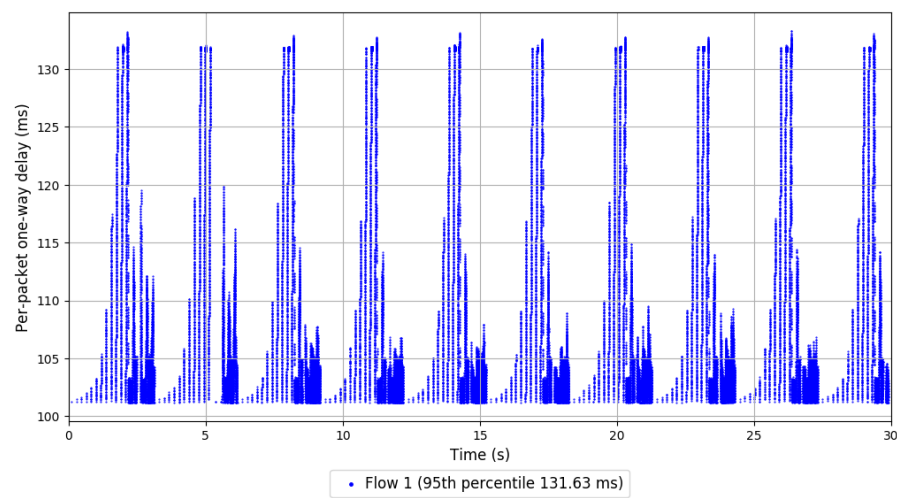
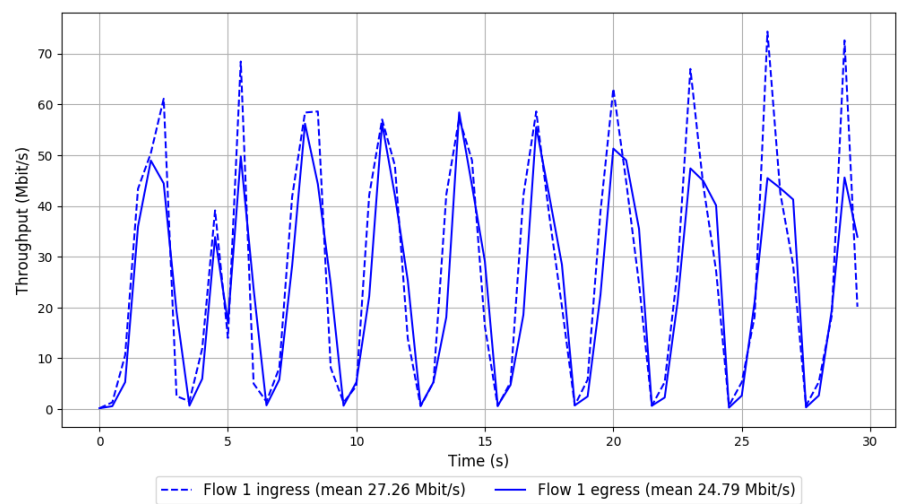


Run 1: Statistics of Verus

Start at: 2018-04-17 05:04:58
End at: 2018-04-17 05:05:28
Local clock offset: -3.947 ms
Remote clock offset: 11.344 ms

Below is generated by plot.py at 2018-04-17 08:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 131.635 ms
Loss rate: 9.08%
-- Flow 1:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 131.635 ms
Loss rate: 9.08%

Run 1: Report of Verus — Data Link

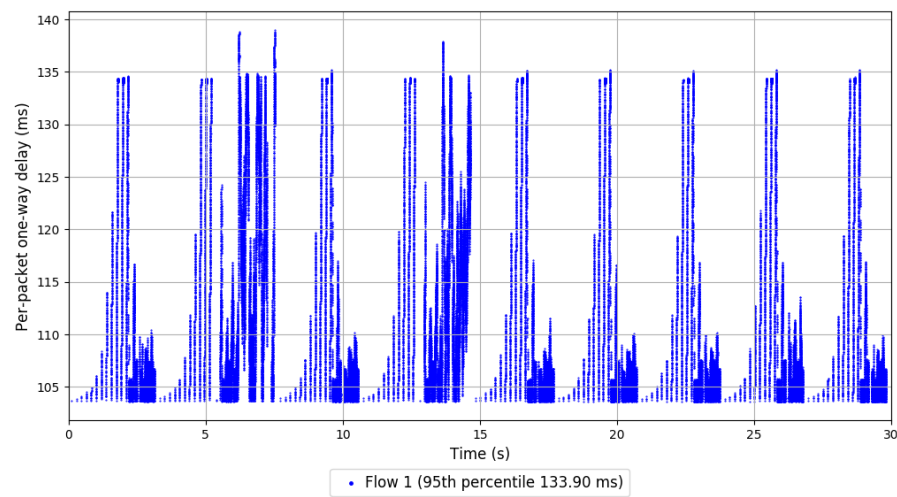
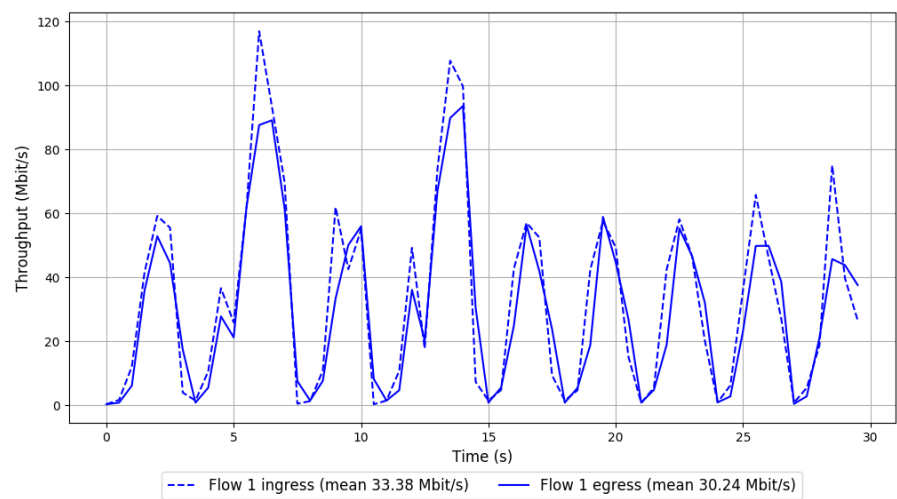


Run 2: Statistics of Verus

Start at: 2018-04-17 05:26:21
End at: 2018-04-17 05:26:51
Local clock offset: -3.816 ms
Remote clock offset: 12.026 ms

Below is generated by plot.py at 2018-04-17 08:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 133.899 ms
Loss rate: 9.40%
-- Flow 1:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 133.899 ms
Loss rate: 9.40%

Run 2: Report of Verus — Data Link

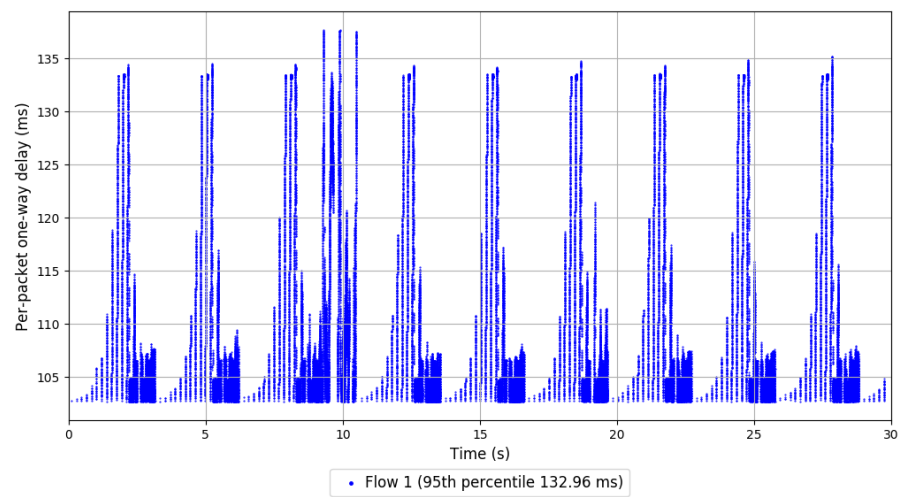
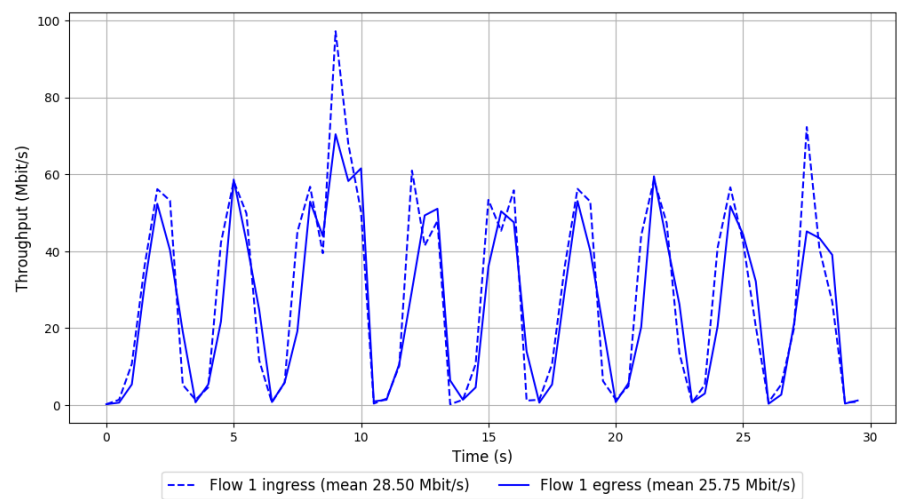


Run 3: Statistics of Verus

Start at: 2018-04-17 05:47:30
End at: 2018-04-17 05:48:00
Local clock offset: -4.278 ms
Remote clock offset: 11.306 ms

Below is generated by plot.py at 2018-04-17 08:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 132.957 ms
Loss rate: 9.61%
-- Flow 1:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 132.957 ms
Loss rate: 9.61%

Run 3: Report of Verus — Data Link

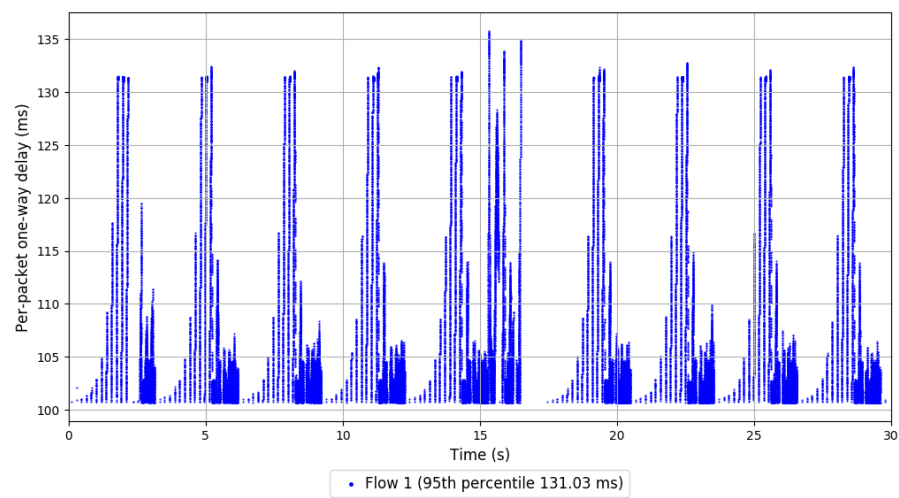
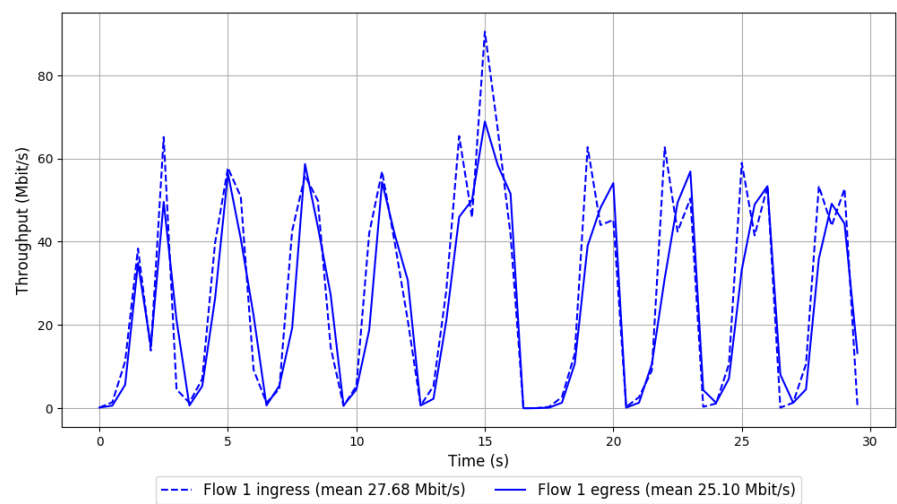


Run 4: Statistics of Verus

Start at: 2018-04-17 06:08:22
End at: 2018-04-17 06:08:52
Local clock offset: -4.11 ms
Remote clock offset: 11.378 ms

Below is generated by plot.py at 2018-04-17 08:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.10 Mbit/s
95th percentile per-packet one-way delay: 131.031 ms
Loss rate: 9.32%
-- Flow 1:
Average throughput: 25.10 Mbit/s
95th percentile per-packet one-way delay: 131.031 ms
Loss rate: 9.32%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 06:29:30

End at: 2018-04-17 06:30:00

Local clock offset: -5.257 ms

Remote clock offset: 6.642 ms

Below is generated by plot.py at 2018-04-17 08:55:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.64 Mbit/s

95th percentile per-packet one-way delay: 125.958 ms

Loss rate: 8.12%

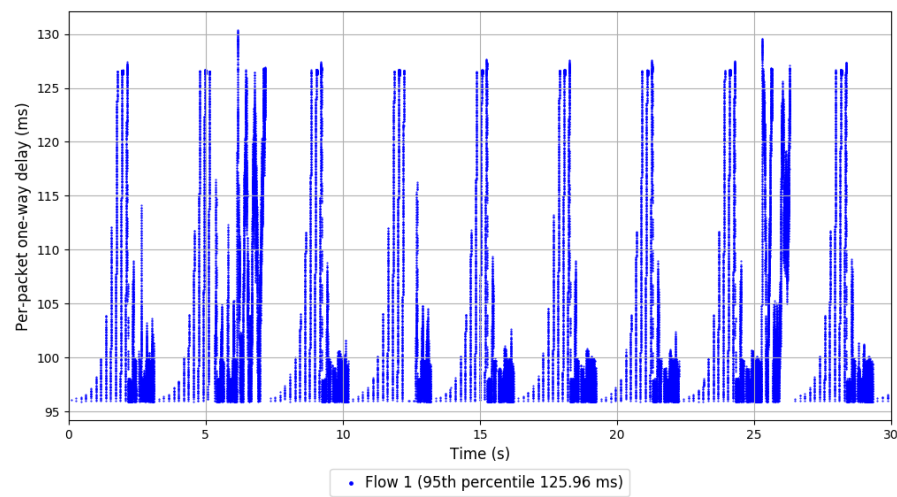
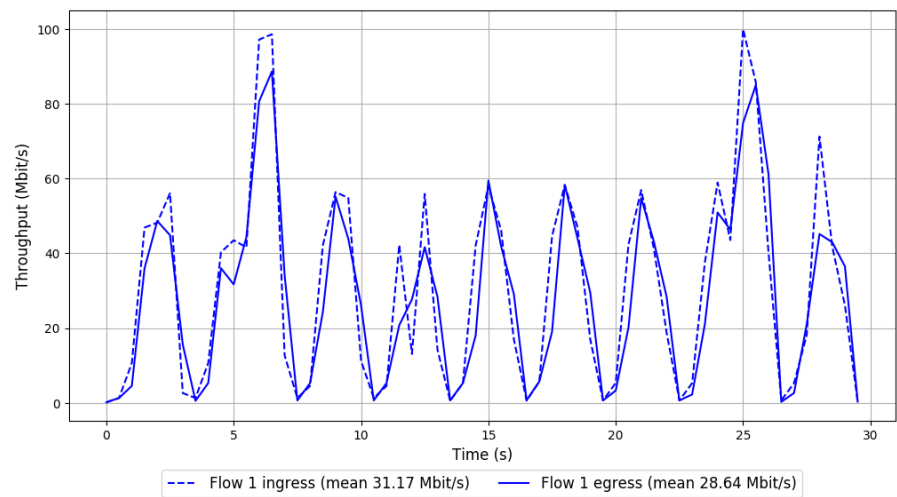
-- Flow 1:

Average throughput: 28.64 Mbit/s

95th percentile per-packet one-way delay: 125.958 ms

Loss rate: 8.12%

Run 5: Report of Verus — Data Link

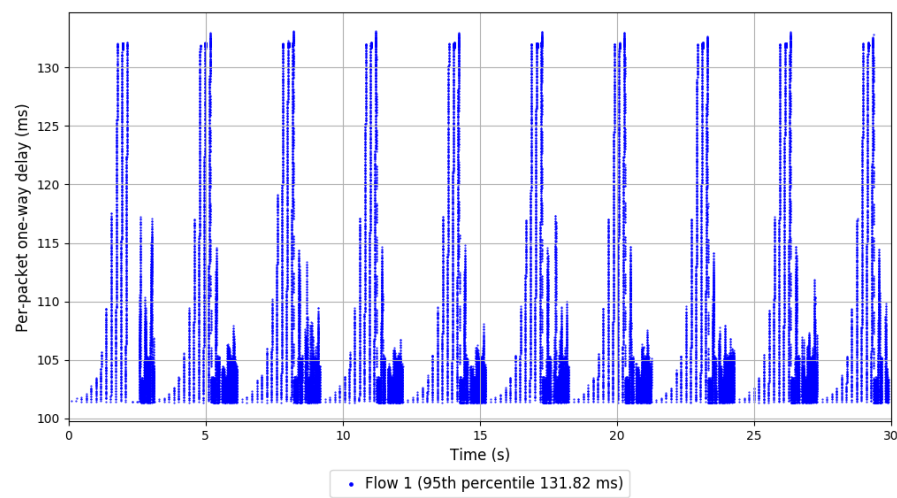
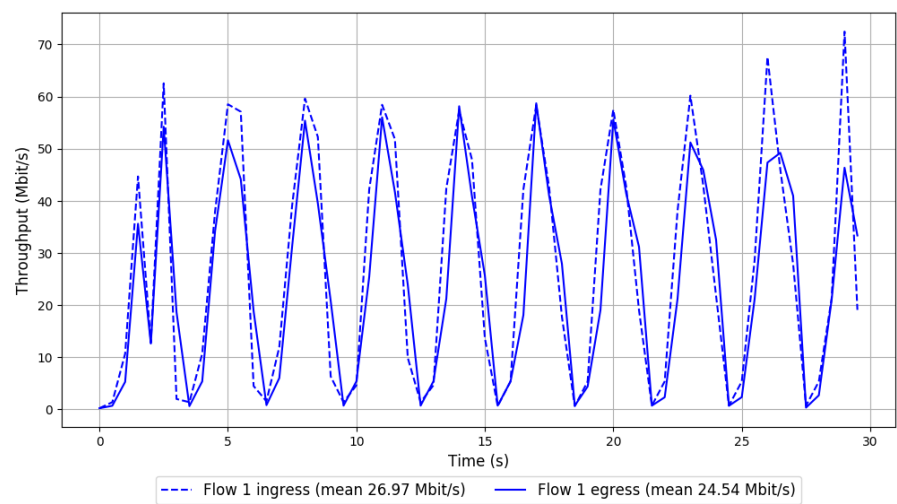


Run 6: Statistics of Verus

Start at: 2018-04-17 06:50:43
End at: 2018-04-17 06:51:13
Local clock offset: -4.595 ms
Remote clock offset: 11.894 ms

Below is generated by plot.py at 2018-04-17 08:55:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 131.818 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 131.818 ms
Loss rate: 9.01%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-17 07:11:53

End at: 2018-04-17 07:12:23

Local clock offset: -3.944 ms

Remote clock offset: 6.012 ms

Below is generated by plot.py at 2018-04-17 08:56:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.82 Mbit/s

95th percentile per-packet one-way delay: 182.326 ms

Loss rate: 84.14%

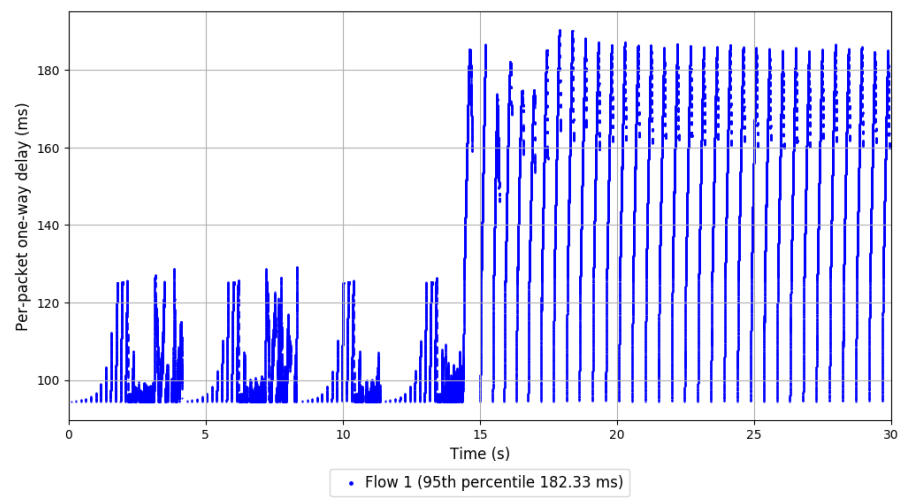
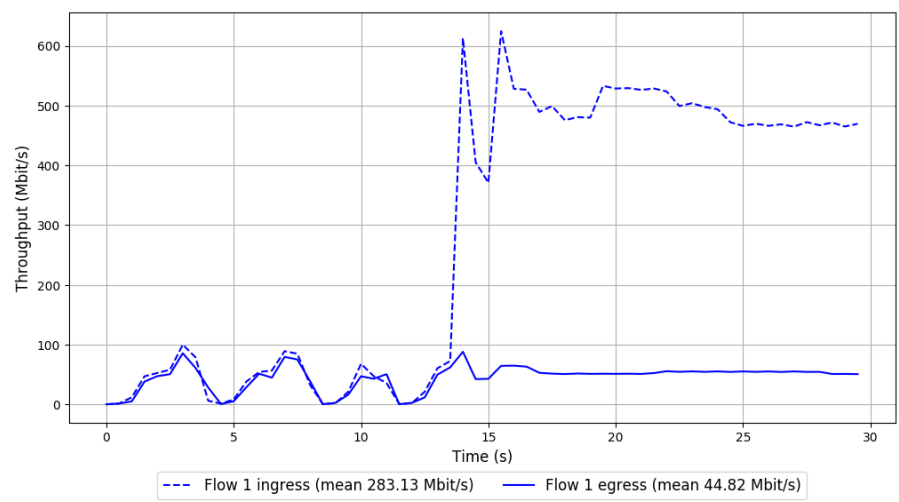
-- Flow 1:

Average throughput: 44.82 Mbit/s

95th percentile per-packet one-way delay: 182.326 ms

Loss rate: 84.14%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

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

End at: 2018-04-17 07:33:36

Local clock offset: -5.927 ms

Remote clock offset: 8.711 ms

Below is generated by plot.py at 2018-04-17 08:56:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.57 Mbit/s

95th percentile per-packet one-way delay: 129.452 ms

Loss rate: 9.33%

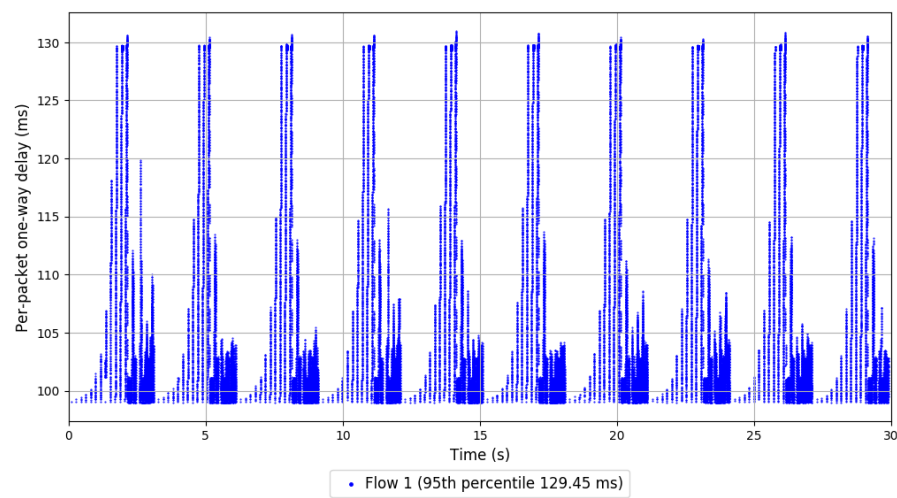
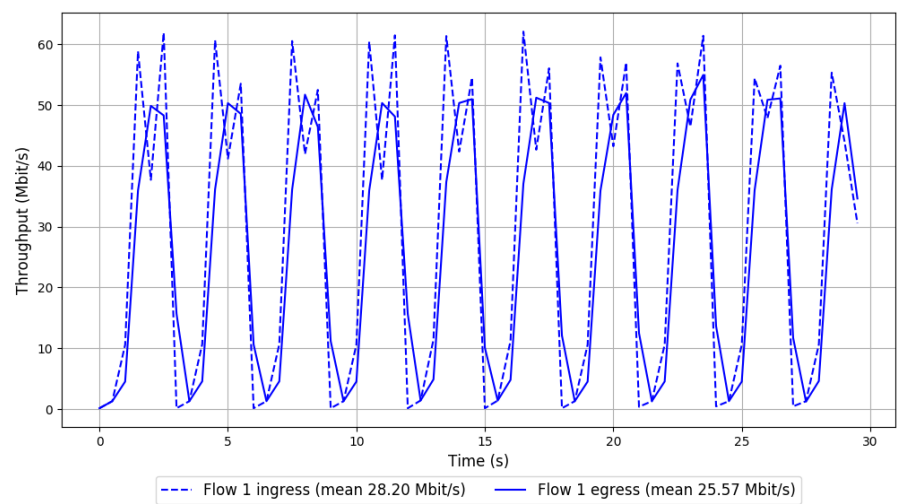
-- Flow 1:

Average throughput: 25.57 Mbit/s

95th percentile per-packet one-way delay: 129.452 ms

Loss rate: 9.33%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-17 07:54:03

End at: 2018-04-17 07:54:33

Local clock offset: -4.912 ms

Remote clock offset: 9.866 ms

Below is generated by plot.py at 2018-04-17 08:56:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 135.123 ms

Loss rate: 8.97%

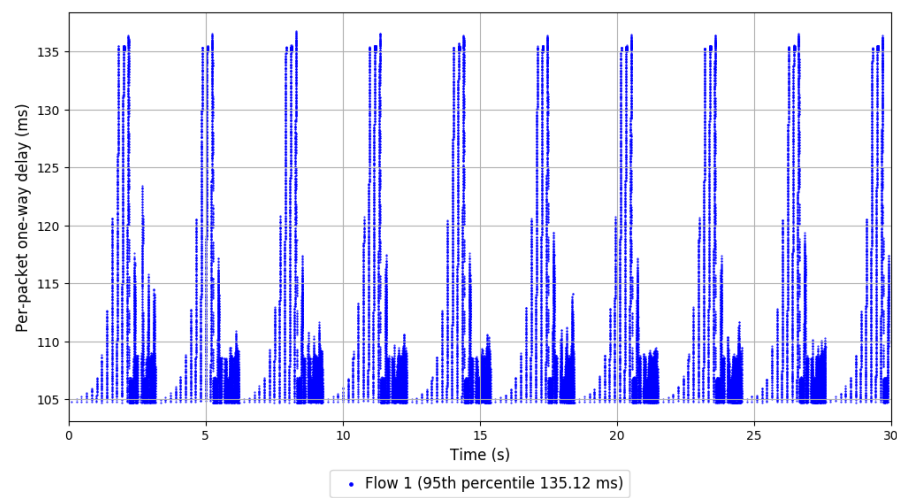
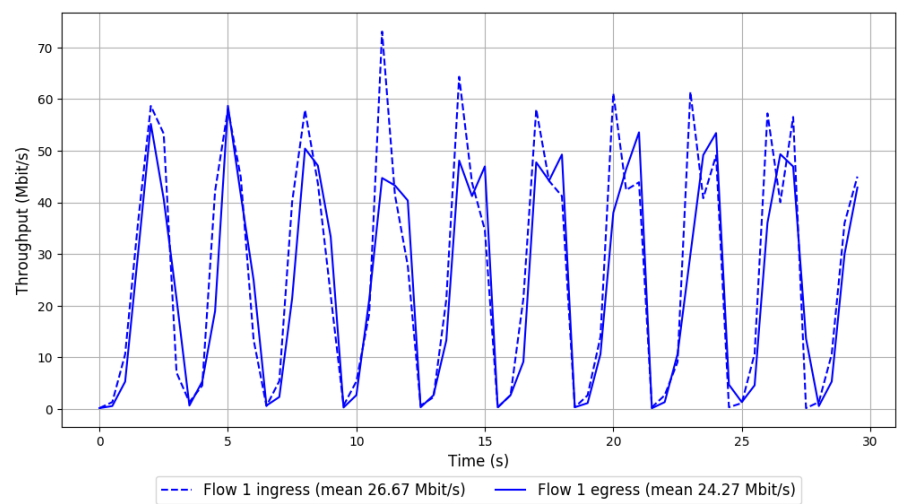
-- Flow 1:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 135.123 ms

Loss rate: 8.97%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-17 08:15:11

End at: 2018-04-17 08:15:41

Local clock offset: -5.722 ms

Remote clock offset: 4.058 ms

Below is generated by plot.py at 2018-04-17 08:56:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.67 Mbit/s

95th percentile per-packet one-way delay: 126.420 ms

Loss rate: 9.07%

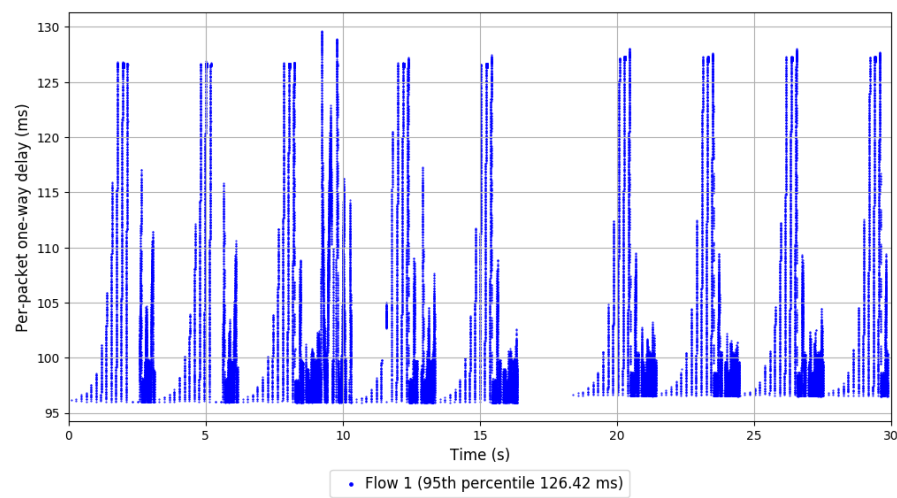
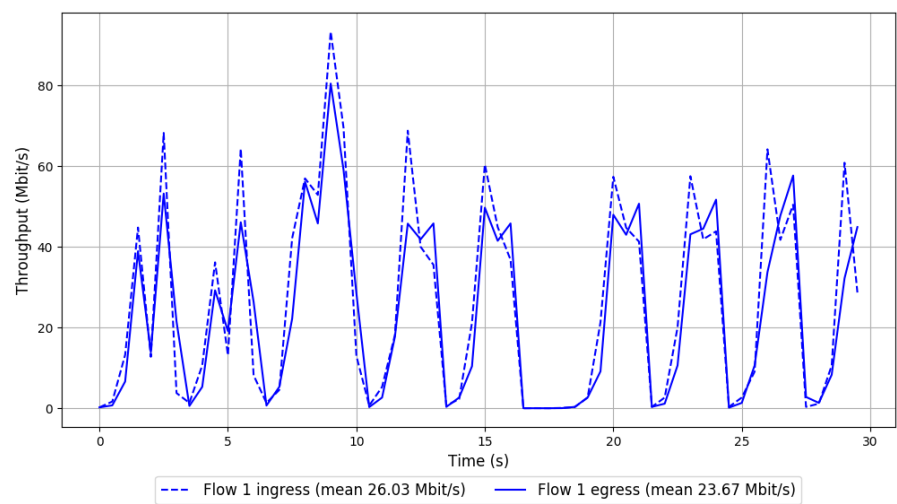
-- Flow 1:

Average throughput: 23.67 Mbit/s

95th percentile per-packet one-way delay: 126.420 ms

Loss rate: 9.07%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-17 05:00:02

End at: 2018-04-17 05:00:32

Local clock offset: -3.261 ms

Remote clock offset: 6.735 ms

Below is generated by plot.py at 2018-04-17 08:57:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 102.850 ms

Loss rate: 0.00%

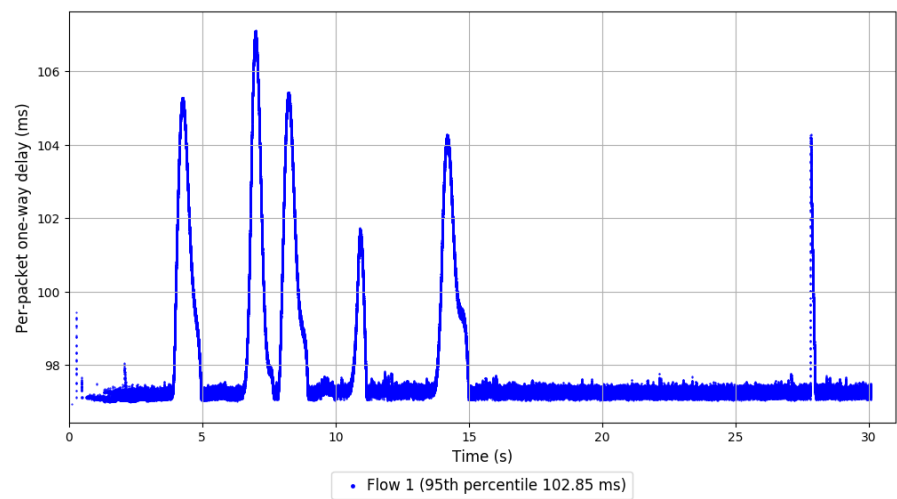
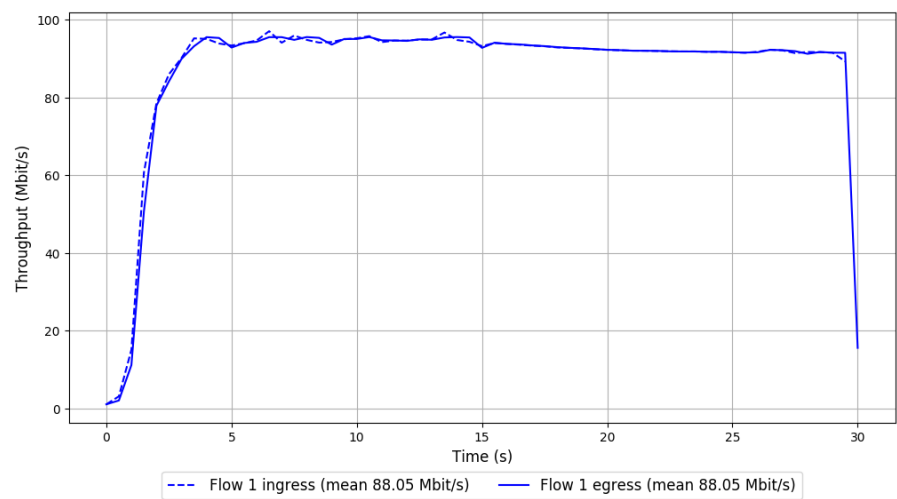
-- Flow 1:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 102.850 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-17 05:21:08

End at: 2018-04-17 05:21:38

Local clock offset: -3.669 ms

Remote clock offset: 6.356 ms

Below is generated by plot.py at 2018-04-17 09:02:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 126.192 ms

Loss rate: 89.42%

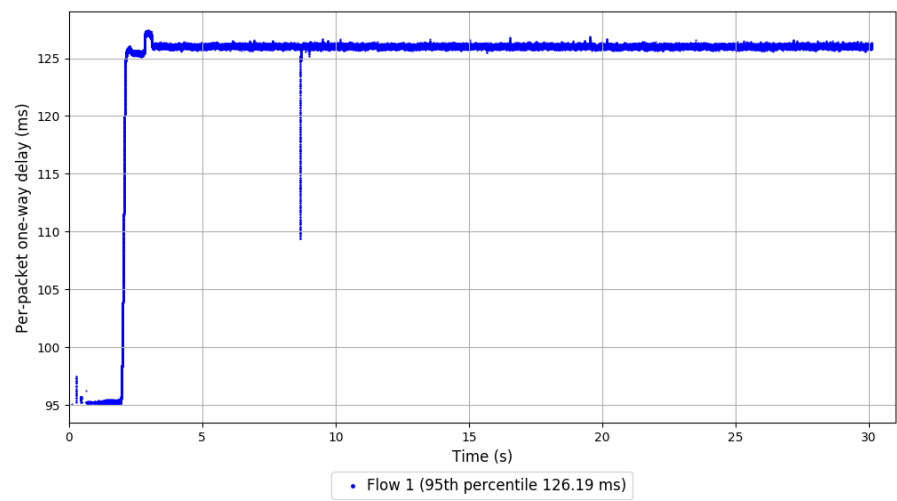
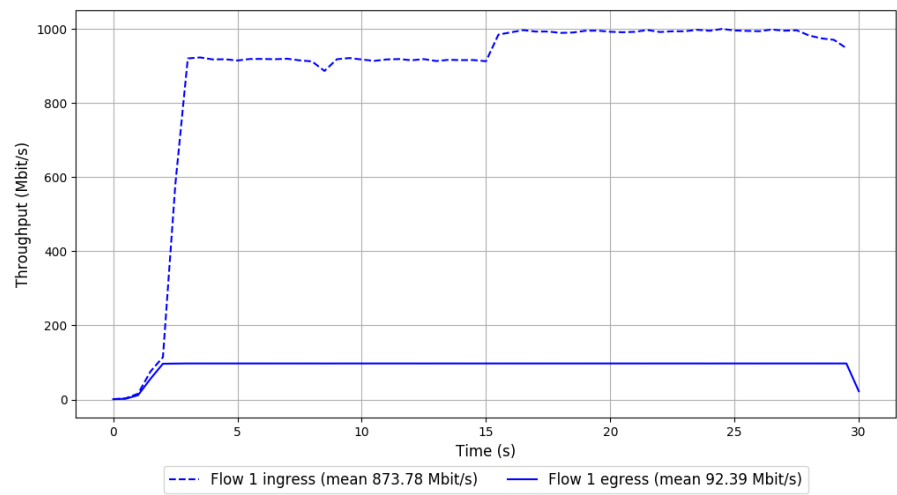
-- Flow 1:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 126.192 ms

Loss rate: 89.42%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

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

End at: 2018-04-17 05:42:49

Local clock offset: -4.277 ms

Remote clock offset: 5.686 ms

Below is generated by plot.py at 2018-04-17 09:02:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.17 Mbit/s

95th percentile per-packet one-way delay: 133.415 ms

Loss rate: 87.89%

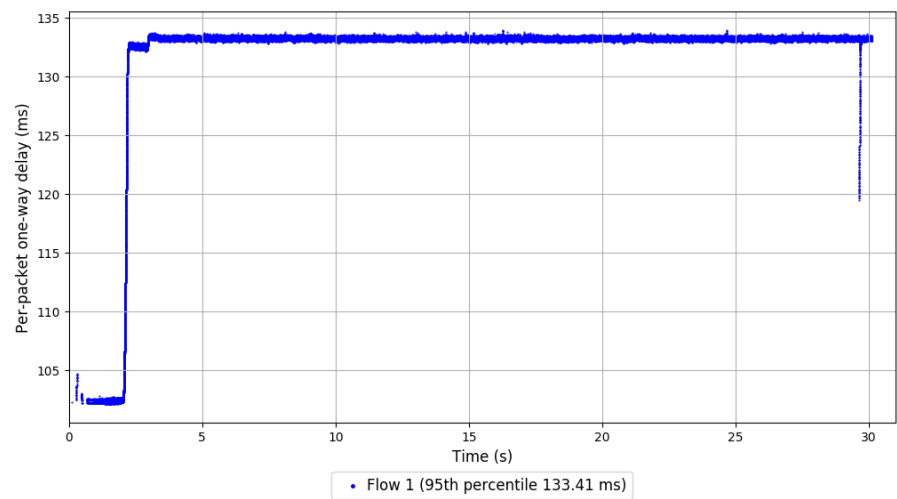
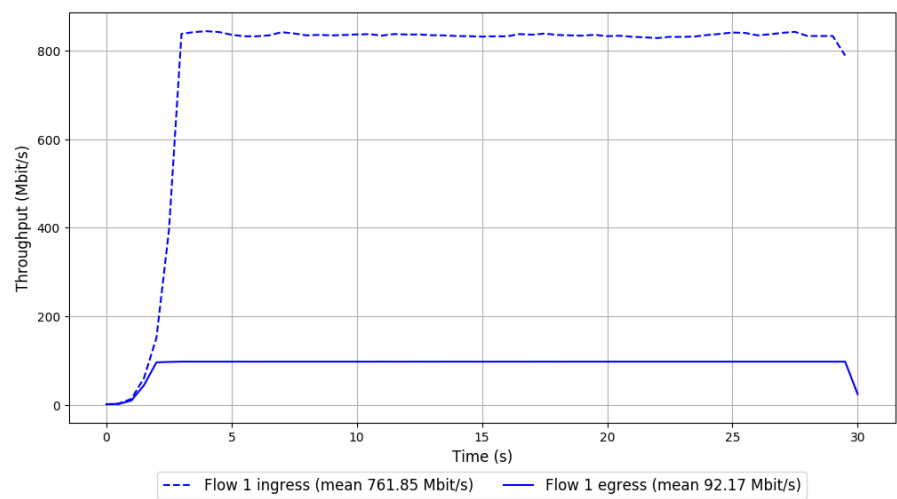
-- Flow 1:

Average throughput: 92.17 Mbit/s

95th percentile per-packet one-way delay: 133.415 ms

Loss rate: 87.89%

Run 3: Report of Copa — Data Link

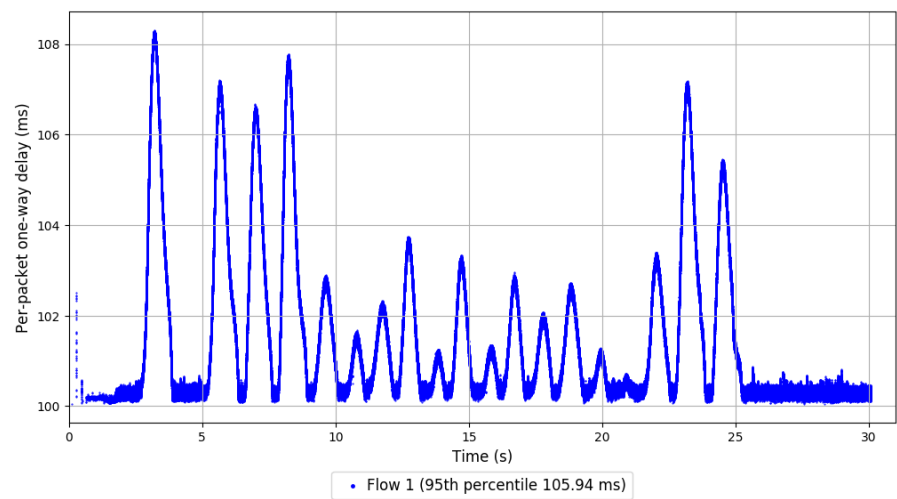
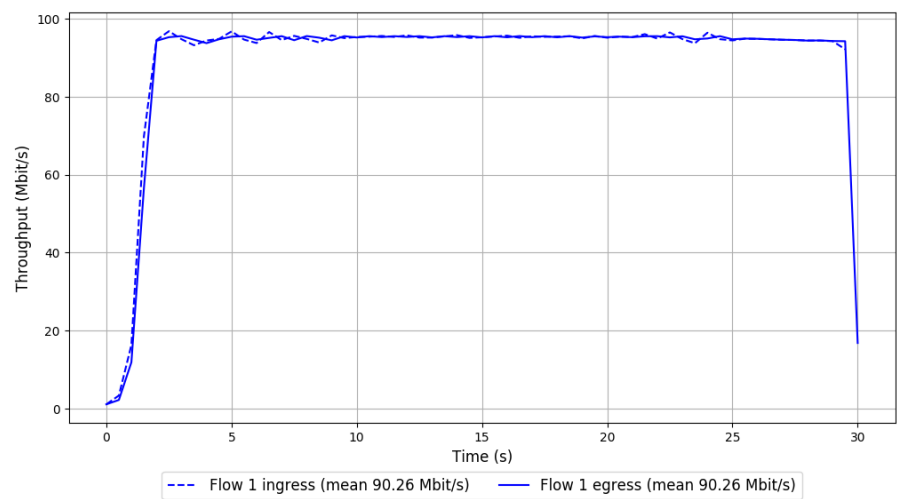


Run 4: Statistics of Copa

Start at: 2018-04-17 06:03:25
End at: 2018-04-17 06:03:55
Local clock offset: -4.64 ms
Remote clock offset: 10.476 ms

Below is generated by plot.py at 2018-04-17 09:02:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 105.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 105.942 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

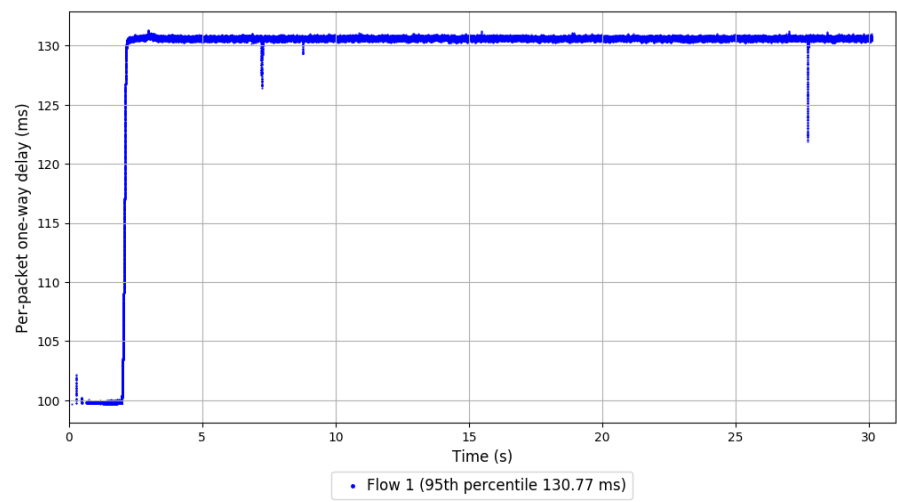
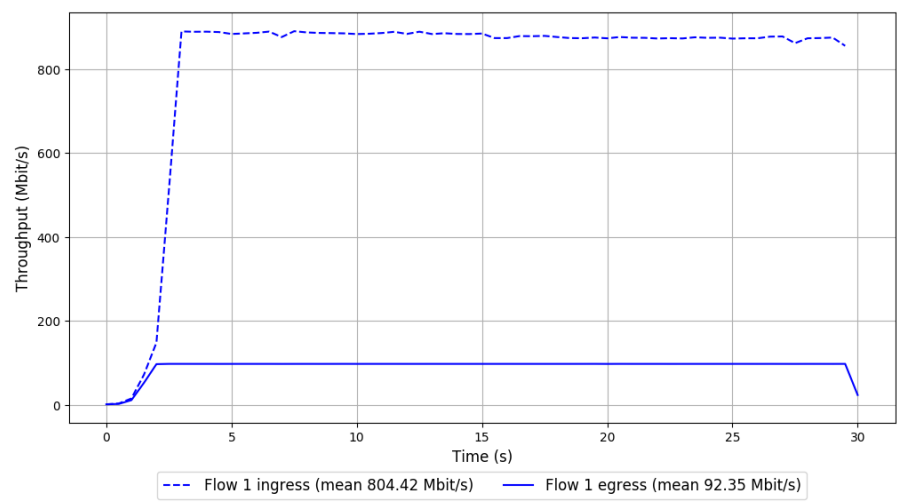


Run 5: Statistics of Copa

Start at: 2018-04-17 06:24:18
End at: 2018-04-17 06:24:48
Local clock offset: -4.433 ms
Remote clock offset: 10.503 ms

Below is generated by plot.py at 2018-04-17 09:02:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 130.772 ms
Loss rate: 88.51%
-- Flow 1:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 130.772 ms
Loss rate: 88.51%

Run 5: Report of Copa — Data Link

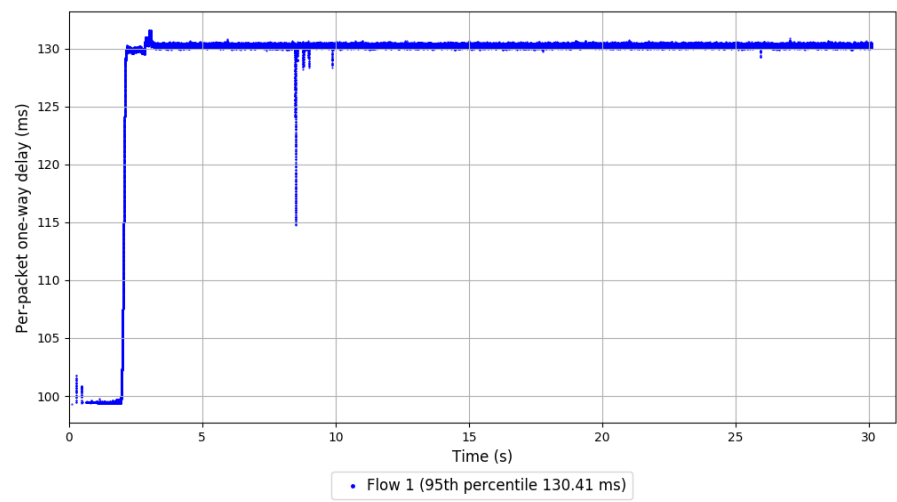
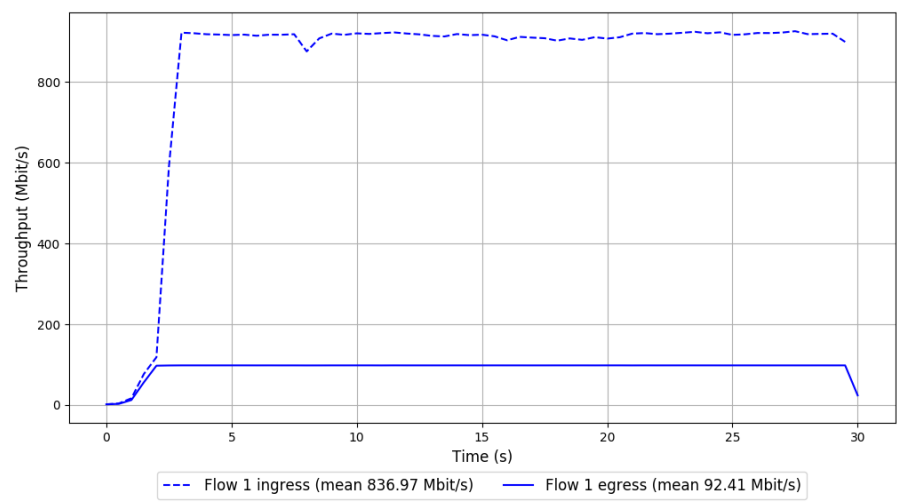


Run 6: Statistics of Copa

Start at: 2018-04-17 06:45:31
End at: 2018-04-17 06:46:01
Local clock offset: -4.628 ms
Remote clock offset: 11.797 ms

Below is generated by plot.py at 2018-04-17 09:02:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 130.410 ms
Loss rate: 88.95%
-- Flow 1:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 130.410 ms
Loss rate: 88.95%

Run 6: Report of Copa — Data Link

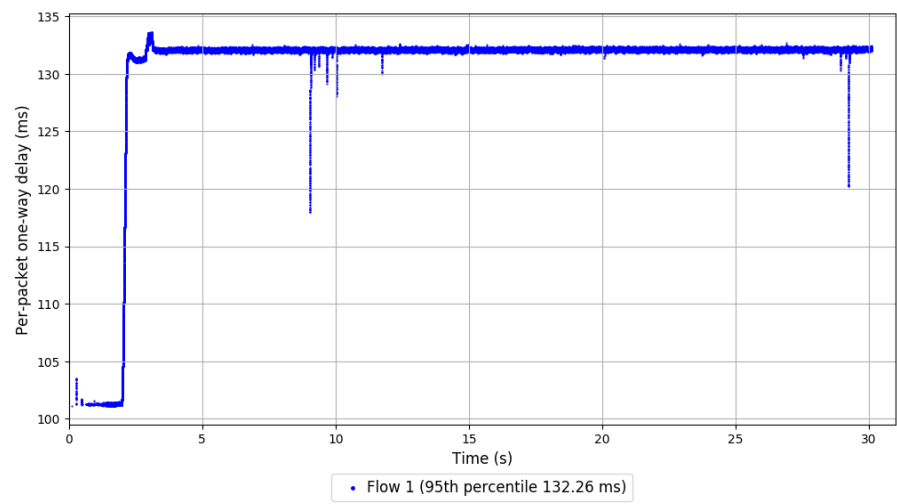
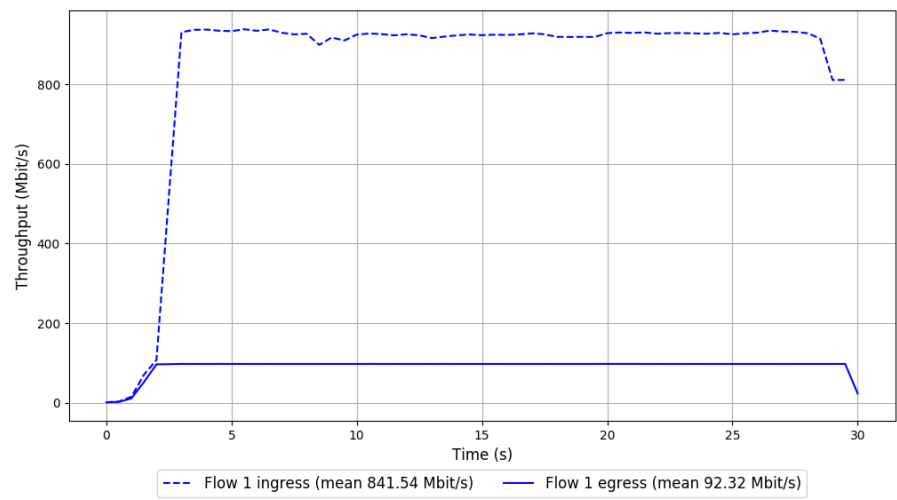


Run 7: Statistics of Copa

Start at: 2018-04-17 07:06:41
End at: 2018-04-17 07:07:11
Local clock offset: -4.403 ms
Remote clock offset: 11.657 ms

Below is generated by plot.py at 2018-04-17 09:02:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 132.259 ms
Loss rate: 89.02%
-- Flow 1:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 132.259 ms
Loss rate: 89.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-17 07:27:55

End at: 2018-04-17 07:28:25

Local clock offset: -5.1 ms

Remote clock offset: 9.683 ms

Below is generated by plot.py at 2018-04-17 09:03:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.47 Mbit/s

95th percentile per-packet one-way delay: 130.910 ms

Loss rate: 89.10%

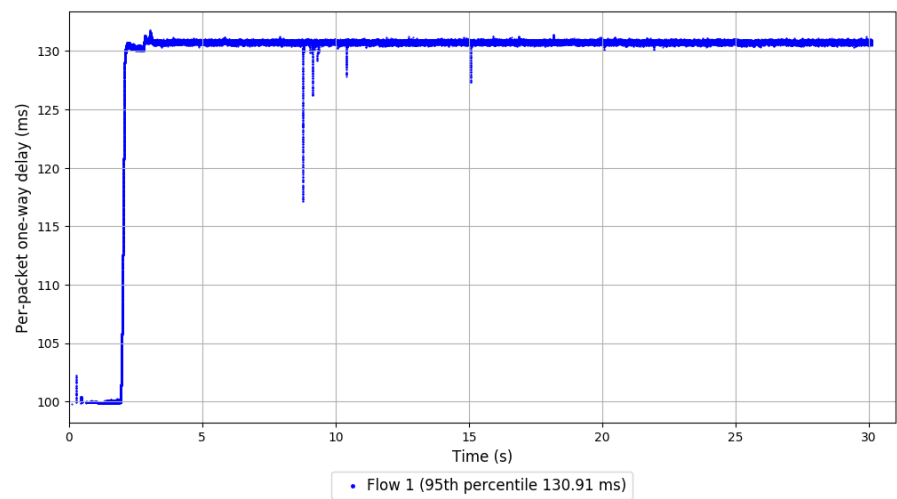
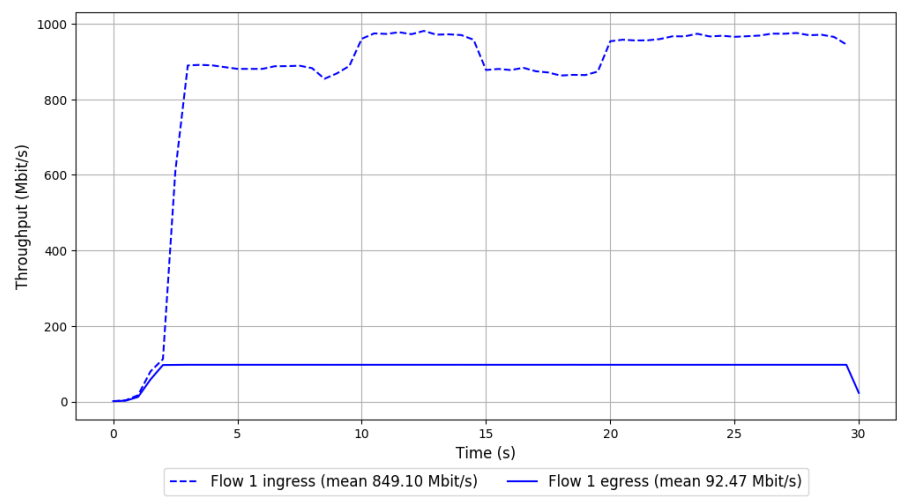
-- Flow 1:

Average throughput: 92.47 Mbit/s

95th percentile per-packet one-way delay: 130.910 ms

Loss rate: 89.10%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

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

End at: 2018-04-17 07:49:34

Local clock offset: -4.201 ms

Remote clock offset: 9.785 ms

Below is generated by plot.py at 2018-04-17 09:03:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.49 Mbit/s

95th percentile per-packet one-way delay: 108.214 ms

Loss rate: 0.00%

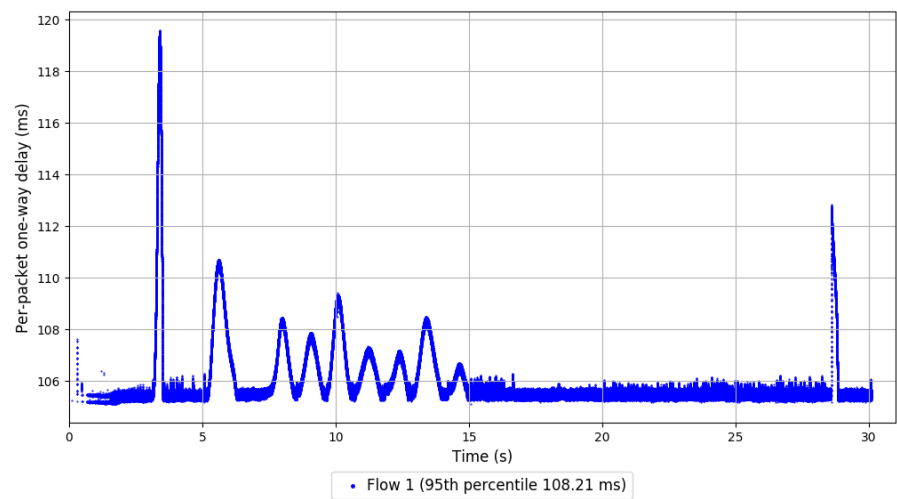
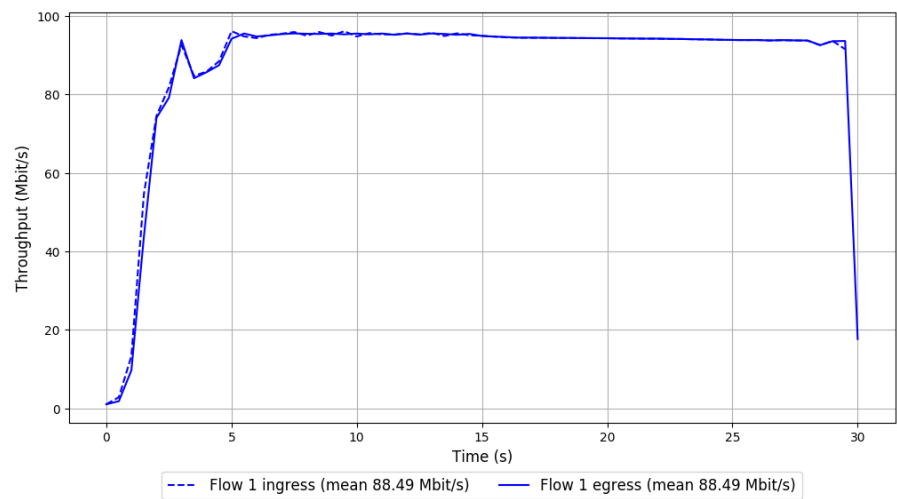
-- Flow 1:

Average throughput: 88.49 Mbit/s

95th percentile per-packet one-way delay: 108.214 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 08:09:59

End at: 2018-04-17 08:10:29

Local clock offset: -4.814 ms

Remote clock offset: 9.752 ms

Below is generated by plot.py at 2018-04-17 09:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 137.245 ms

Loss rate: 88.72%

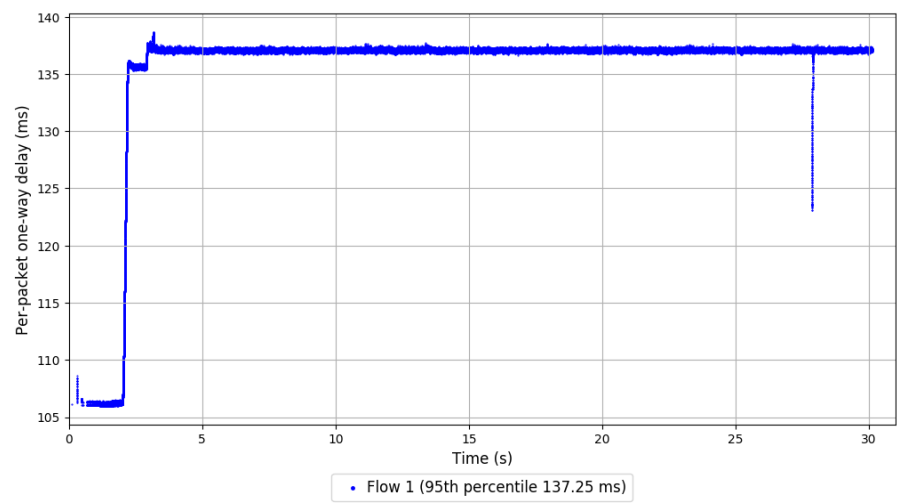
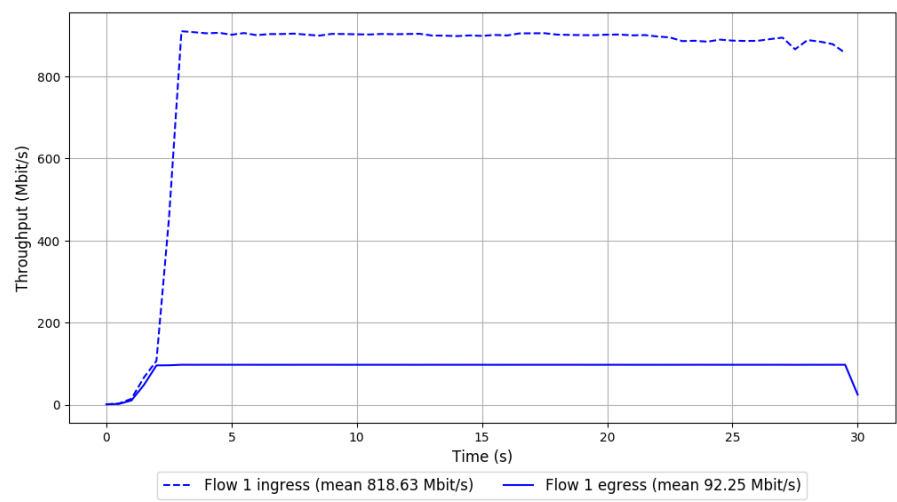
-- Flow 1:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 137.245 ms

Loss rate: 88.72%

Run 10: Report of Copa — Data Link

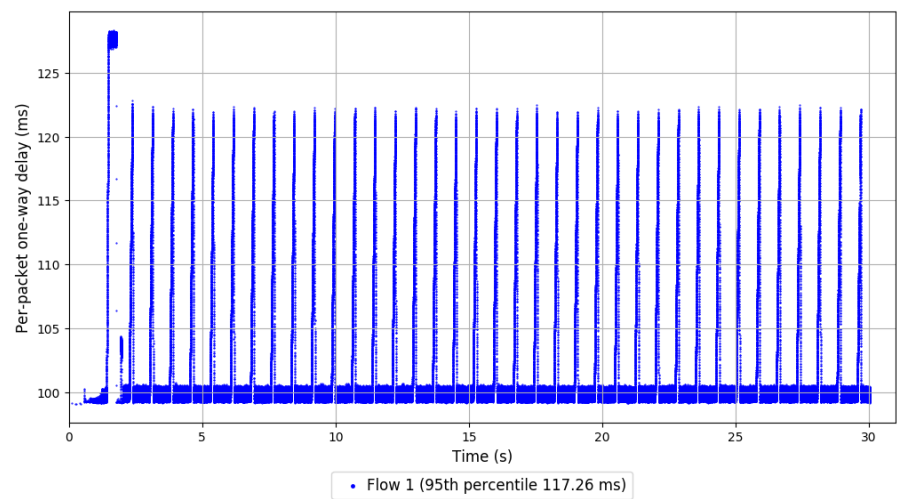
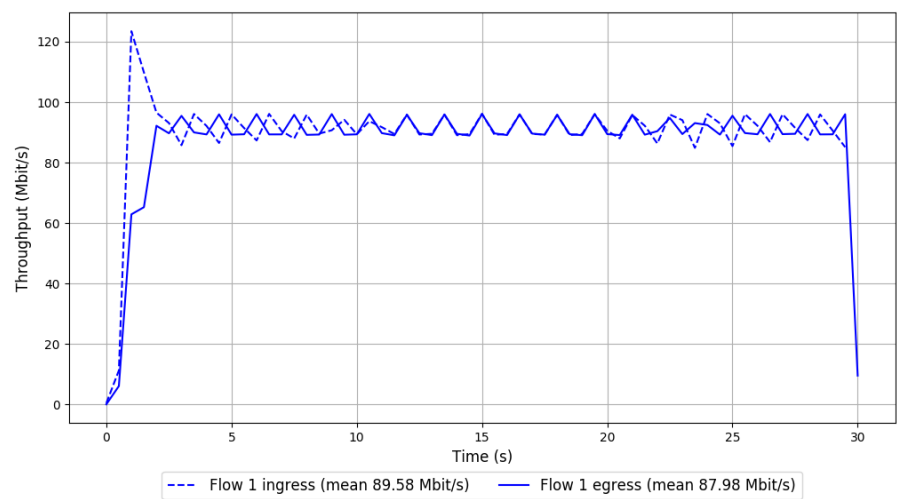


Run 1: Statistics of FillP

Start at: 2018-04-17 05:11:06
End at: 2018-04-17 05:11:36
Local clock offset: -3.844 ms
Remote clock offset: 11.236 ms

Below is generated by plot.py at 2018-04-17 09:04:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 117.257 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 117.257 ms
Loss rate: 1.78%

Run 1: Report of FillP — Data Link

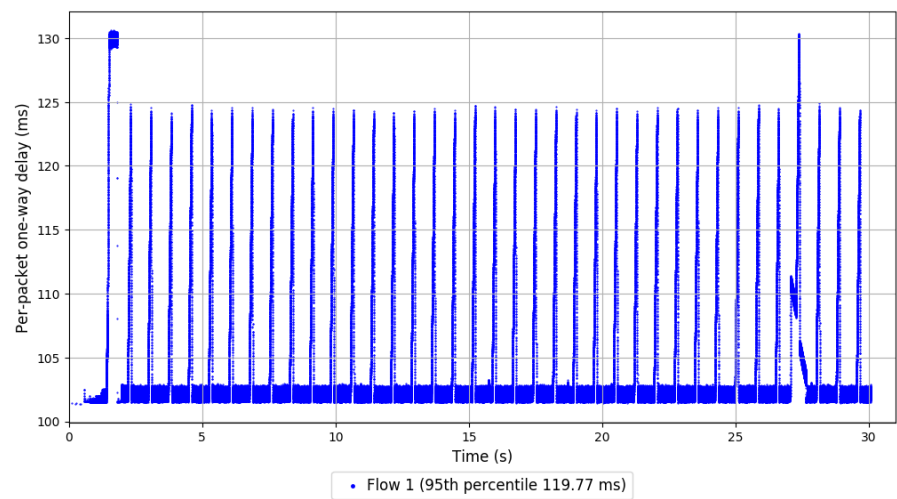
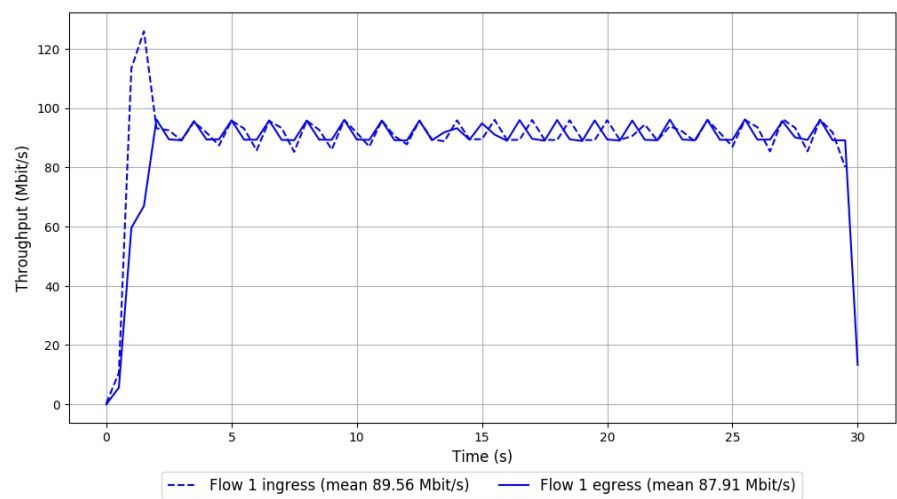


Run 2: Statistics of FillP

Start at: 2018-04-17 05:32:24
End at: 2018-04-17 05:32:54
Local clock offset: -4.068 ms
Remote clock offset: 11.298 ms

Below is generated by plot.py at 2018-04-17 09:04:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 119.774 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 119.774 ms
Loss rate: 1.84%

Run 2: Report of FillP — Data Link

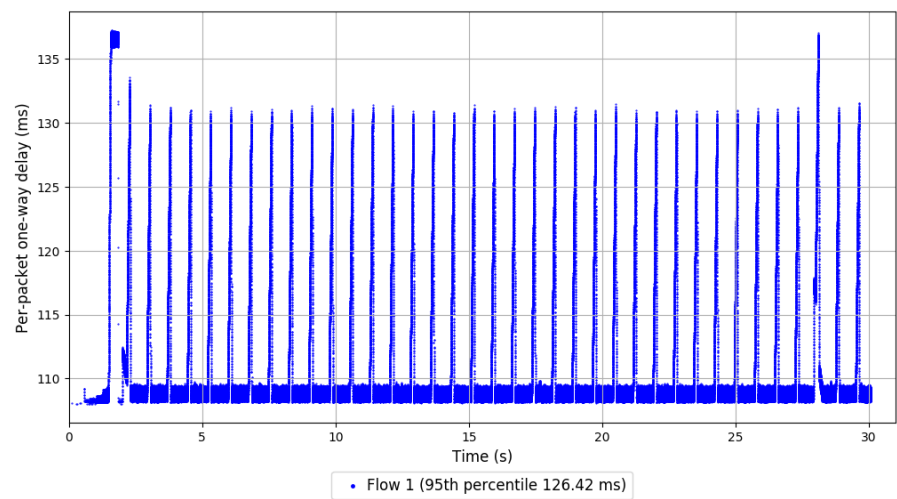
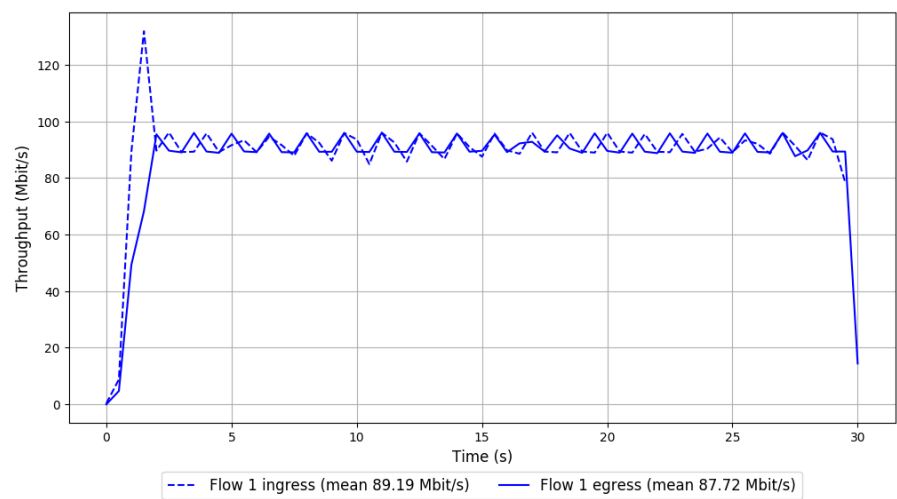


Run 3: Statistics of FillP

Start at: 2018-04-17 05:53:32
End at: 2018-04-17 05:54:02
Local clock offset: -4.266 ms
Remote clock offset: 11.305 ms

Below is generated by plot.py at 2018-04-17 09:04:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 126.419 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 126.419 ms
Loss rate: 1.65%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-17 06:14:24

End at: 2018-04-17 06:14:54

Local clock offset: -5.857 ms

Remote clock offset: 5.733 ms

Below is generated by plot.py at 2018-04-17 09:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 113.014 ms

Loss rate: 1.91%

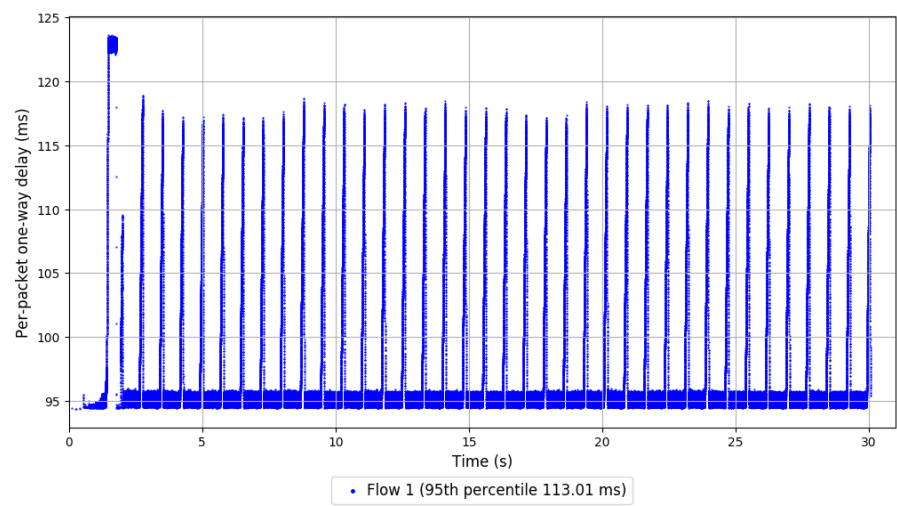
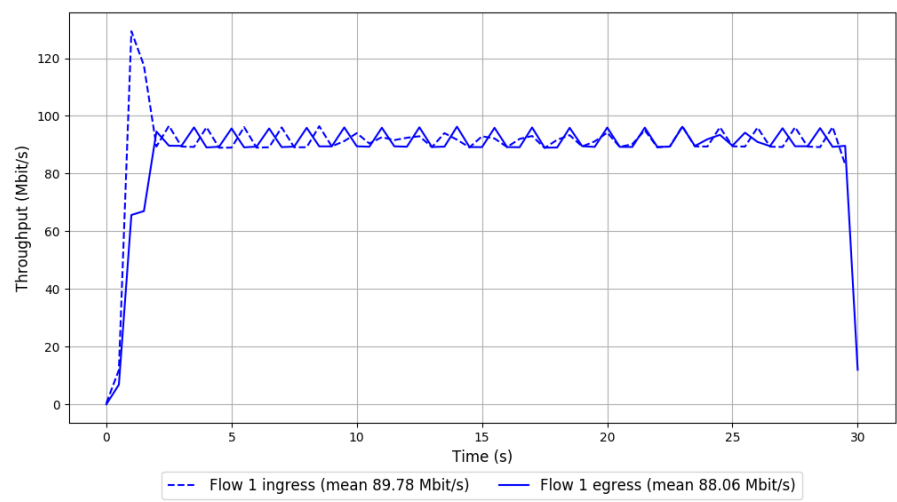
-- Flow 1:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 113.014 ms

Loss rate: 1.91%

Run 4: Report of FillP — Data Link

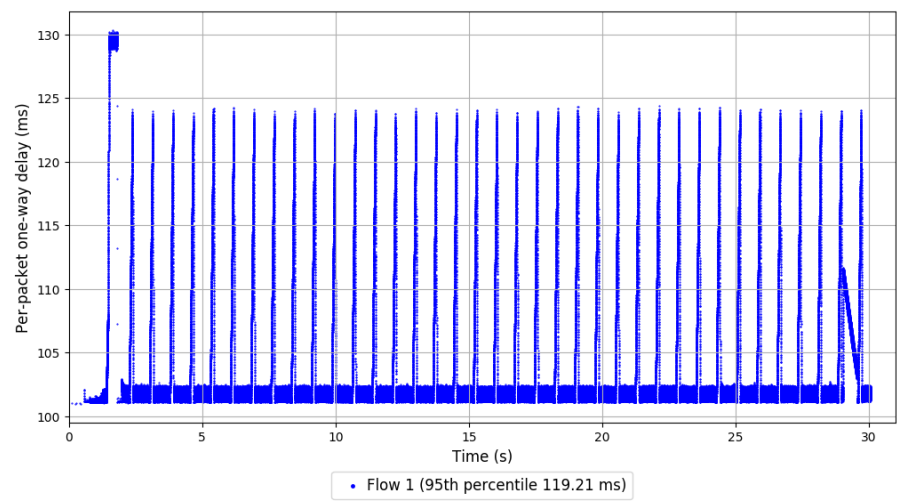
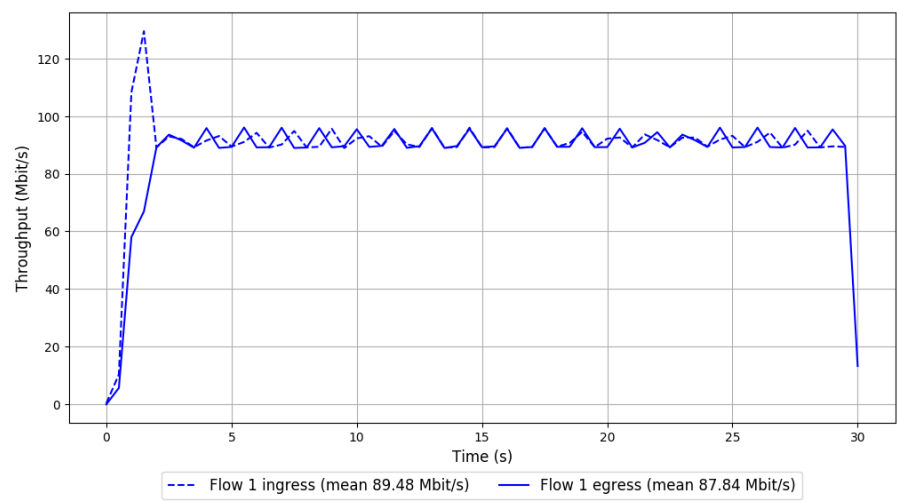


Run 5: Statistics of FillP

Start at: 2018-04-17 06:35:33
End at: 2018-04-17 06:36:03
Local clock offset: -4.294 ms
Remote clock offset: 10.774 ms

Below is generated by plot.py at 2018-04-17 09:04:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 119.212 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 119.212 ms
Loss rate: 1.83%

Run 5: Report of FillP — Data Link

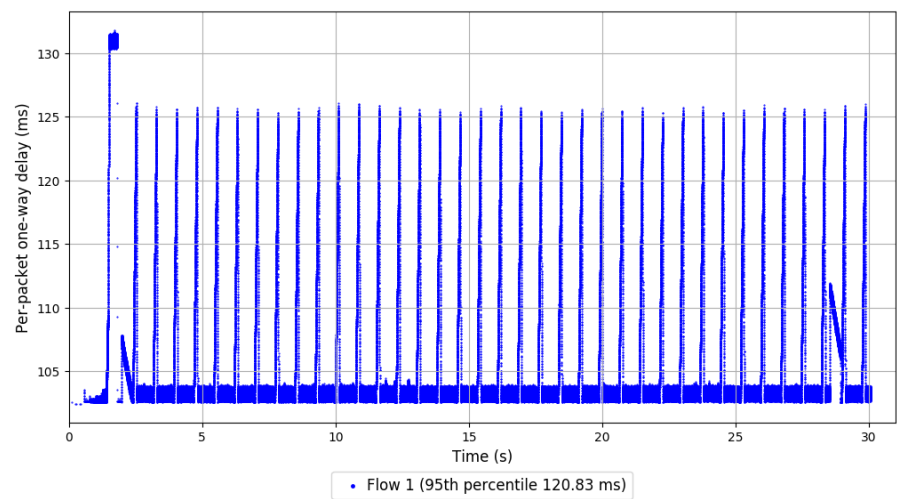
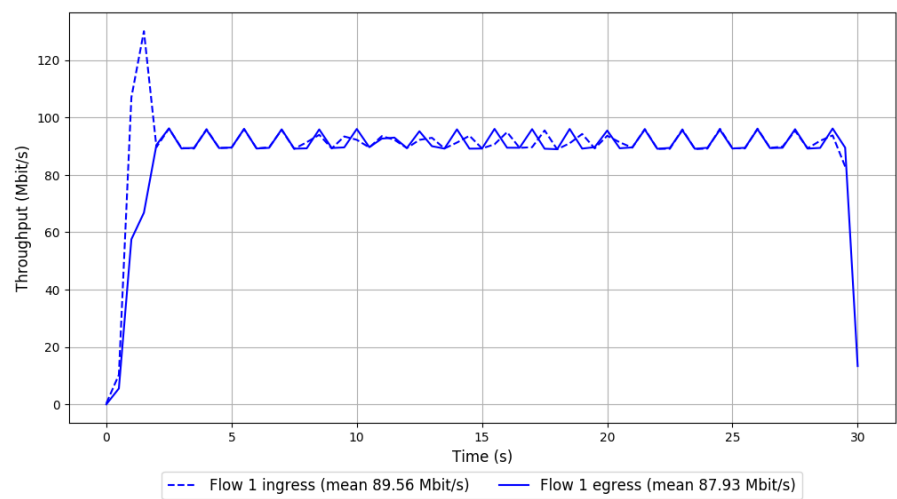


Run 6: Statistics of FillP

Start at: 2018-04-17 06:56:45
End at: 2018-04-17 06:57:15
Local clock offset: -4.49 ms
Remote clock offset: 11.913 ms

Below is generated by plot.py at 2018-04-17 09:04:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 120.826 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 120.826 ms
Loss rate: 1.81%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-17 07:18:00

End at: 2018-04-17 07:18:30

Local clock offset: -4.162 ms

Remote clock offset: 4.578 ms

Below is generated by plot.py at 2018-04-17 09:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.75 Mbit/s

95th percentile per-packet one-way delay: 120.328 ms

Loss rate: 2.42%

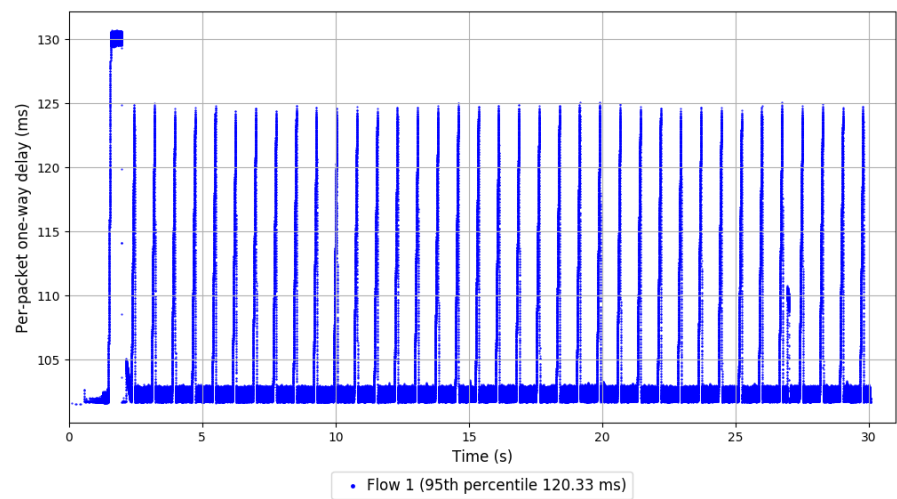
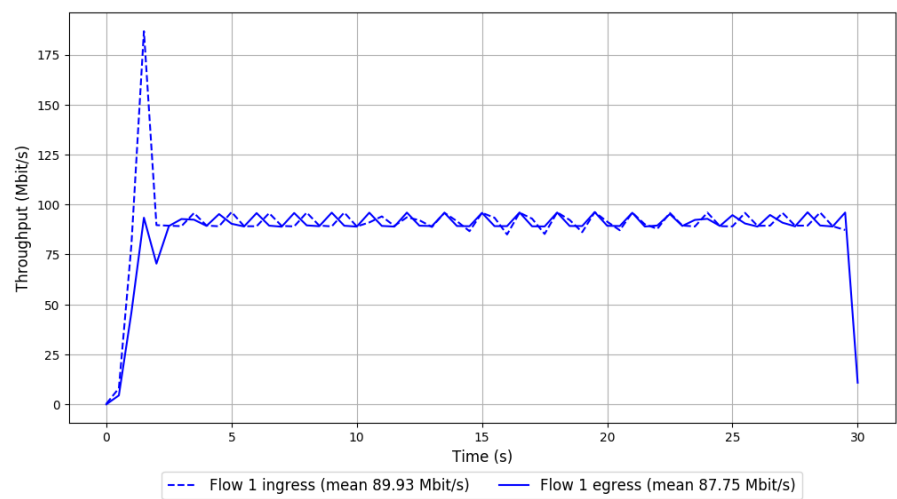
-- Flow 1:

Average throughput: 87.75 Mbit/s

95th percentile per-packet one-way delay: 120.328 ms

Loss rate: 2.42%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-17 07:39:08

End at: 2018-04-17 07:39:38

Local clock offset: -5.189 ms

Remote clock offset: 4.579 ms

Below is generated by plot.py at 2018-04-17 09:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.16 Mbit/s

95th percentile per-packet one-way delay: 121.280 ms

Loss rate: 4.88%

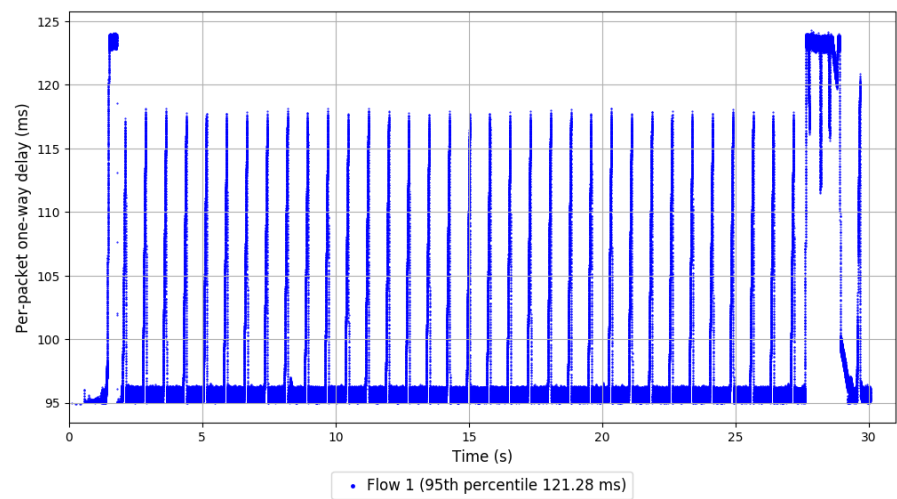
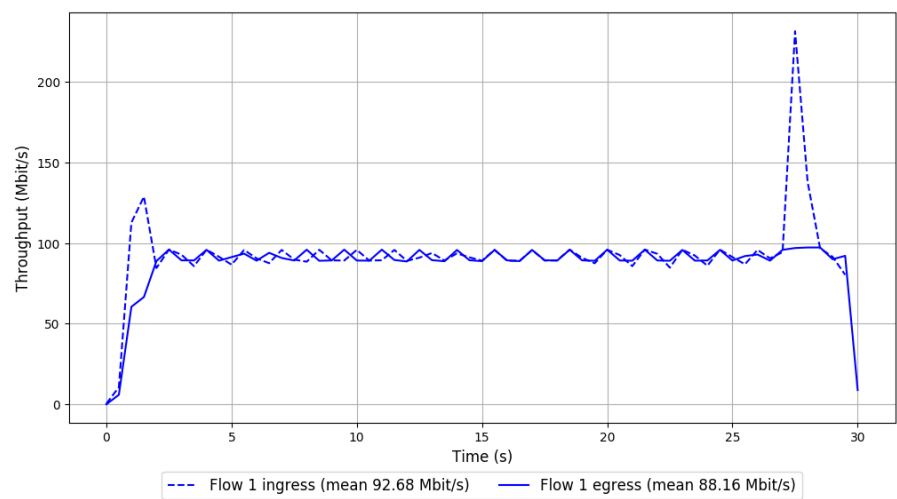
-- Flow 1:

Average throughput: 88.16 Mbit/s

95th percentile per-packet one-way delay: 121.280 ms

Loss rate: 4.88%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 08:00:07

End at: 2018-04-17 08:00:37

Local clock offset: -4.854 ms

Remote clock offset: 5.094 ms

Below is generated by plot.py at 2018-04-17 09:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.89 Mbit/s

95th percentile per-packet one-way delay: 114.216 ms

Loss rate: 1.74%

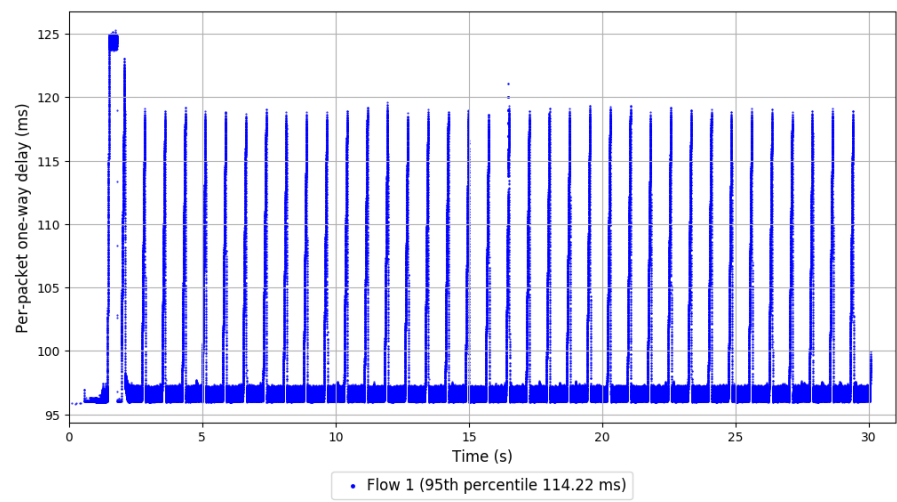
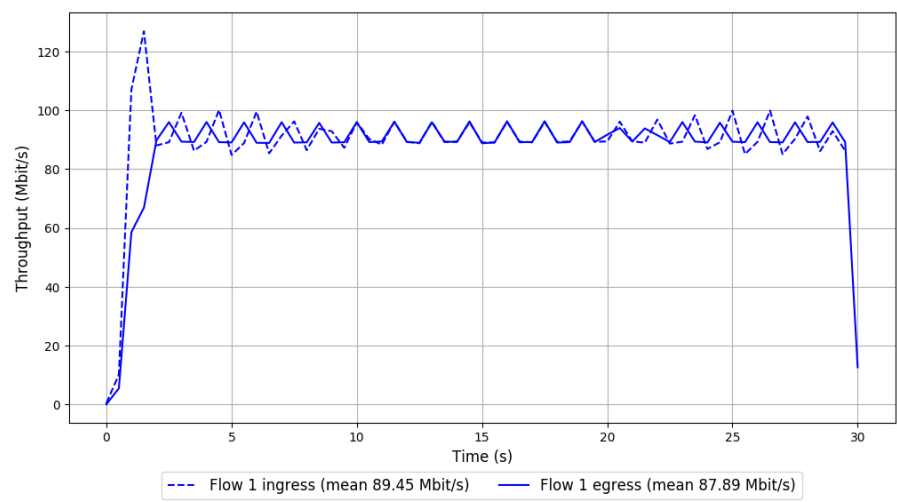
-- Flow 1:

Average throughput: 87.89 Mbit/s

95th percentile per-packet one-way delay: 114.216 ms

Loss rate: 1.74%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

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

End at: 2018-04-17 08:21:47

Local clock offset: -4.988 ms

Remote clock offset: 8.895 ms

Below is generated by plot.py at 2018-04-17 09:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 138.959 ms

Loss rate: 1.88%

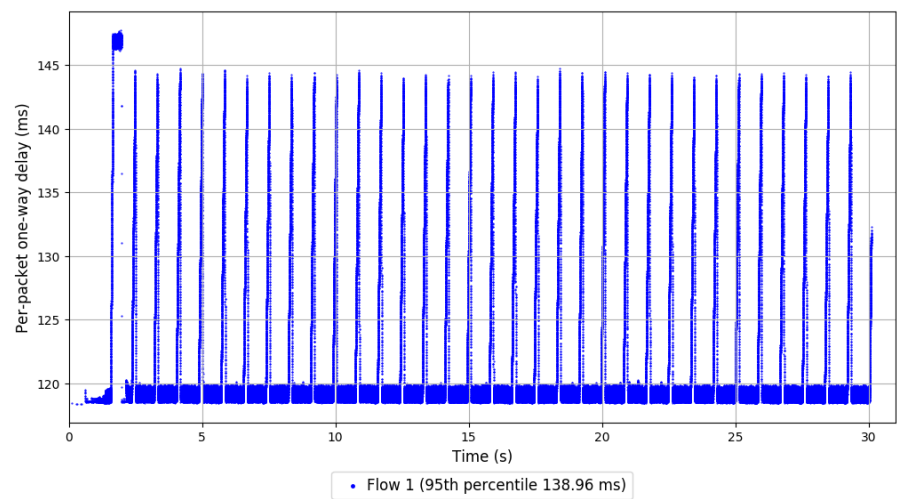
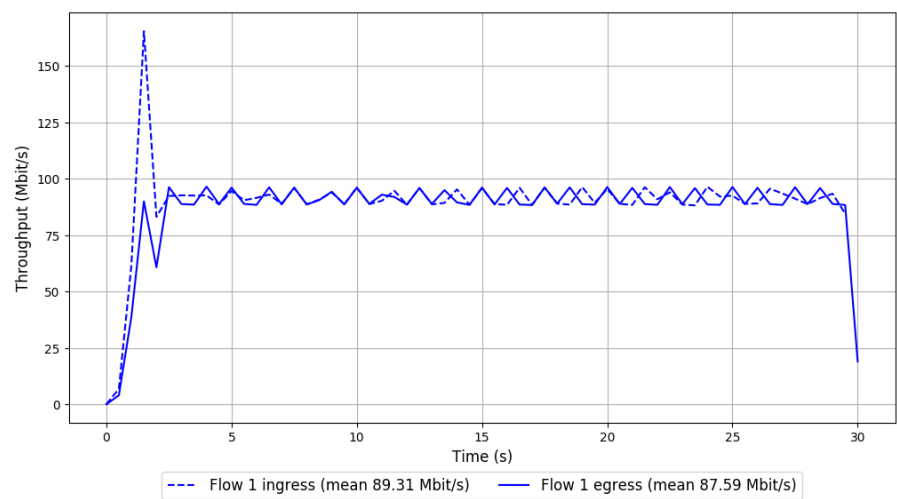
-- Flow 1:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 138.959 ms

Loss rate: 1.88%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 05:02:30

End at: 2018-04-17 05:03:00

Local clock offset: -3.236 ms

Remote clock offset: 6.649 ms

Below is generated by plot.py at 2018-04-17 09:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.95 Mbit/s

95th percentile per-packet one-way delay: 109.323 ms

Loss rate: 0.74%

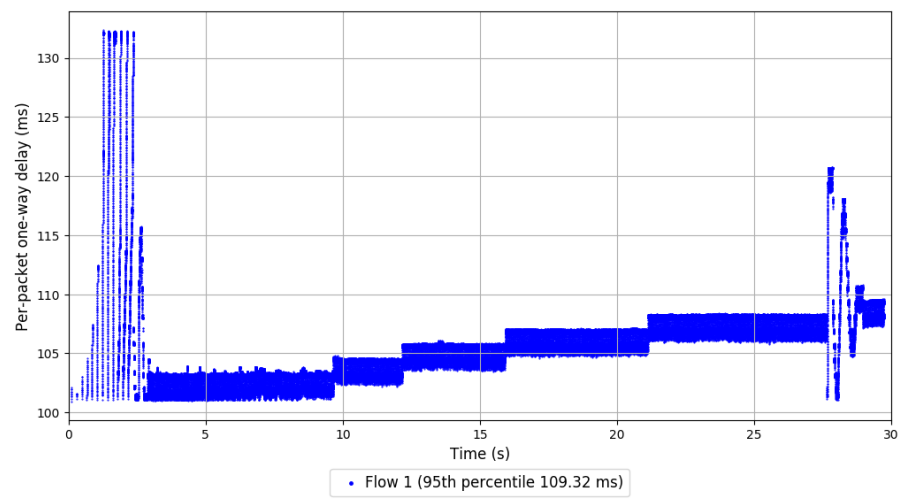
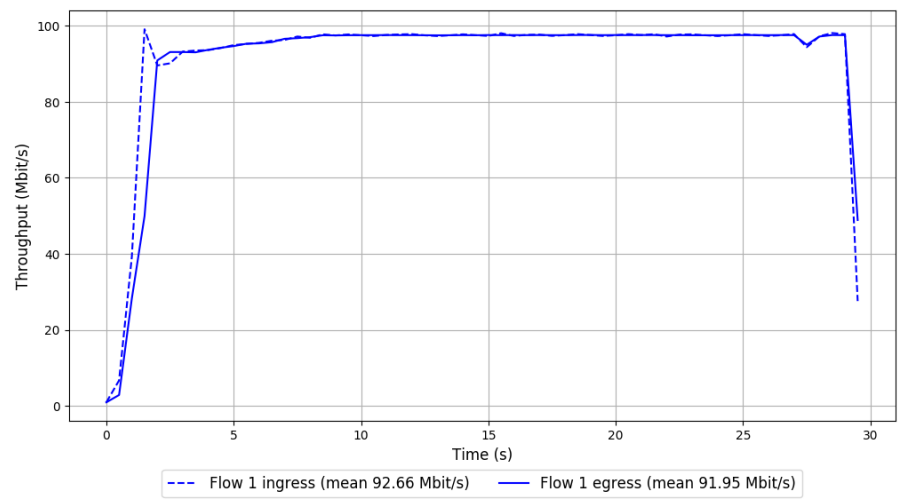
-- Flow 1:

Average throughput: 91.95 Mbit/s

95th percentile per-packet one-way delay: 109.323 ms

Loss rate: 0.74%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 05:23:53

End at: 2018-04-17 05:24:23

Local clock offset: -3.747 ms

Remote clock offset: 6.366 ms

Below is generated by plot.py at 2018-04-17 09:05:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.86 Mbit/s

95th percentile per-packet one-way delay: 104.183 ms

Loss rate: 0.64%

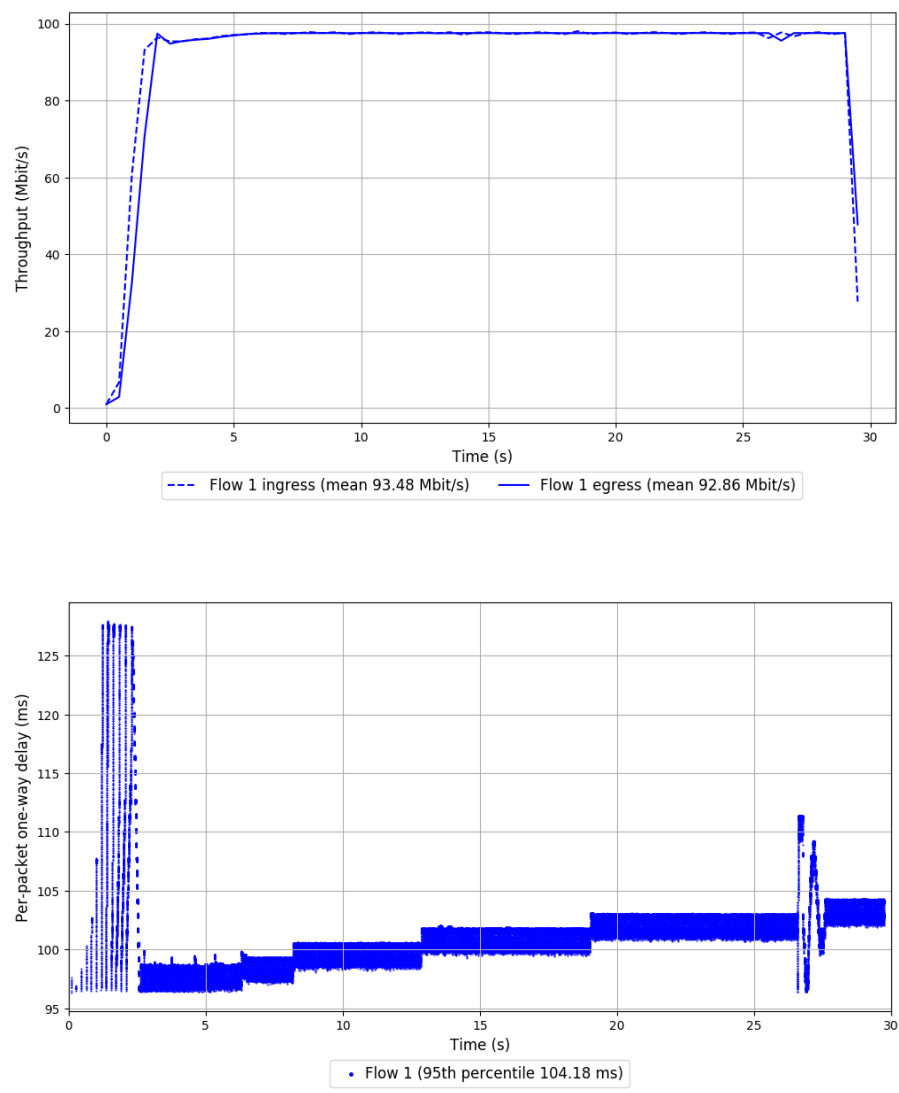
-- Flow 1:

Average throughput: 92.86 Mbit/s

95th percentile per-packet one-way delay: 104.183 ms

Loss rate: 0.64%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 05:45:01

End at: 2018-04-17 05:45:31

Local clock offset: -4.977 ms

Remote clock offset: 5.709 ms

Below is generated by plot.py at 2018-04-17 09:05:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 101.998 ms

Loss rate: 0.67%

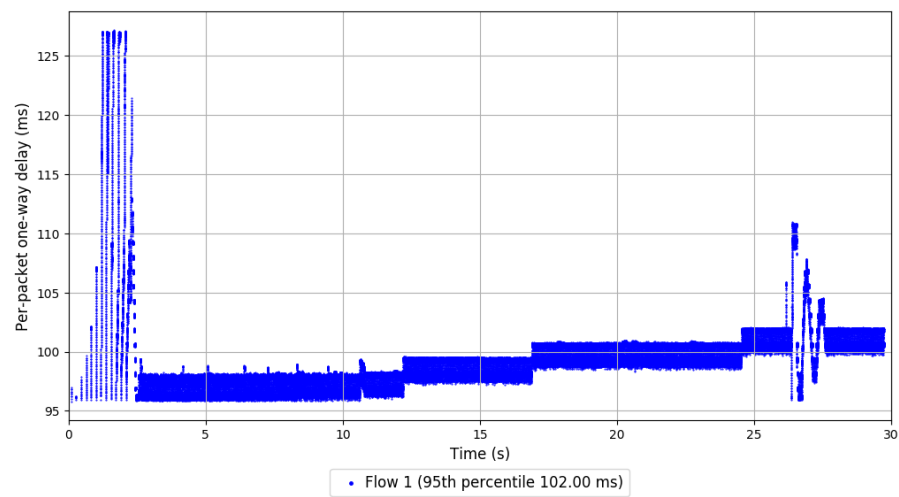
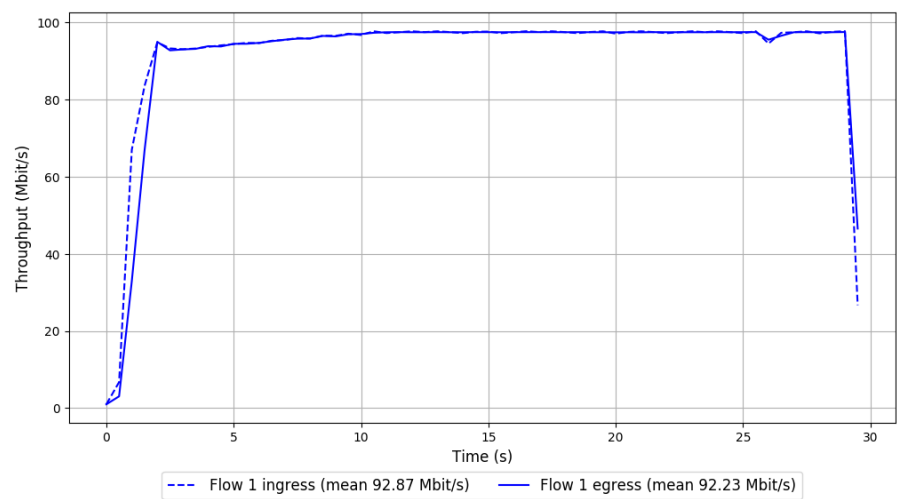
-- Flow 1:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 101.998 ms

Loss rate: 0.67%

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



Run 4: Statistics of Indigo-1-32

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

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

Local clock offset: -4.016 ms

Remote clock offset: 6.536 ms

Below is generated by plot.py at 2018-04-17 09:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.38 Mbit/s

95th percentile per-packet one-way delay: 102.747 ms

Loss rate: 0.68%

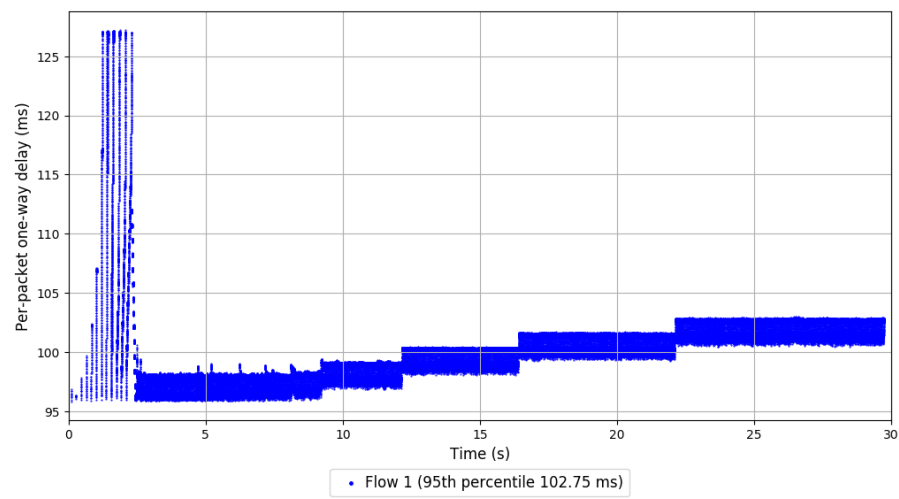
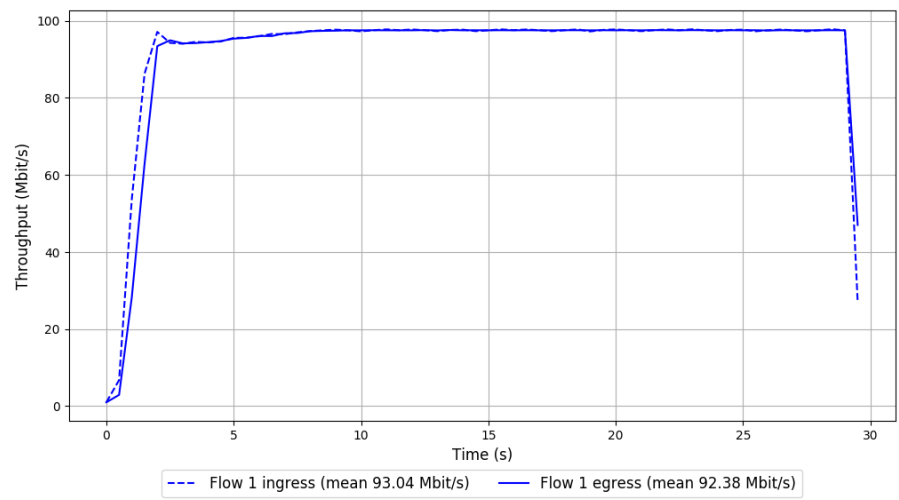
-- Flow 1:

Average throughput: 92.38 Mbit/s

95th percentile per-packet one-way delay: 102.747 ms

Loss rate: 0.68%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 06:27:02

End at: 2018-04-17 06:27:32

Local clock offset: -5.222 ms

Remote clock offset: 5.821 ms

Below is generated by plot.py at 2018-04-17 09:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 104.948 ms

Loss rate: 0.75%

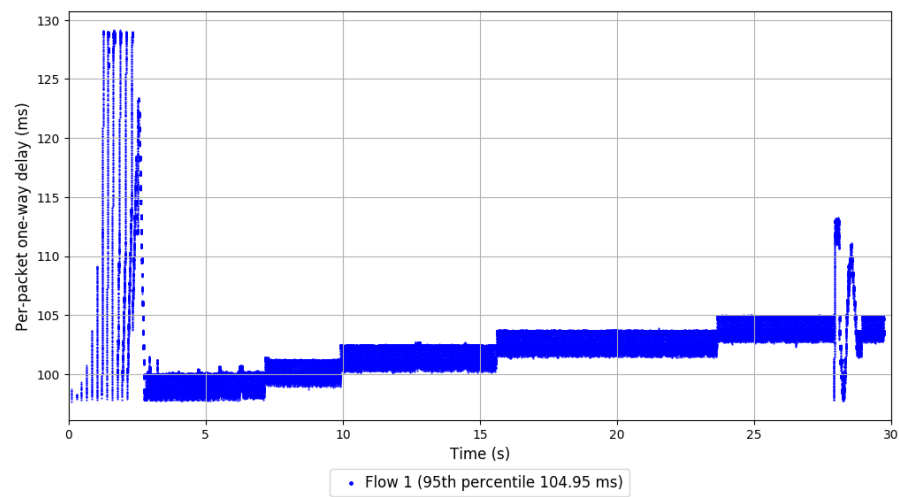
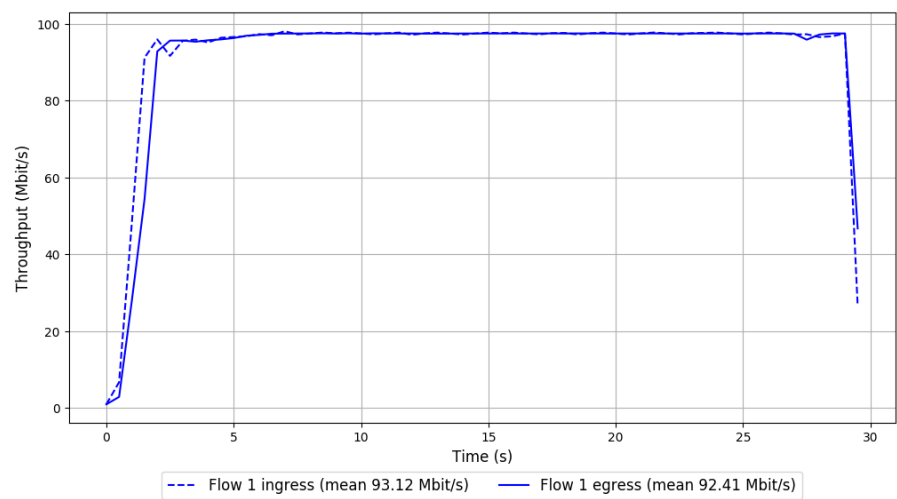
-- Flow 1:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 104.948 ms

Loss rate: 0.75%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 06:48:15

End at: 2018-04-17 06:48:45

Local clock offset: -4.583 ms

Remote clock offset: 7.038 ms

Below is generated by plot.py at 2018-04-17 09:05:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 106.207 ms

Loss rate: 0.82%

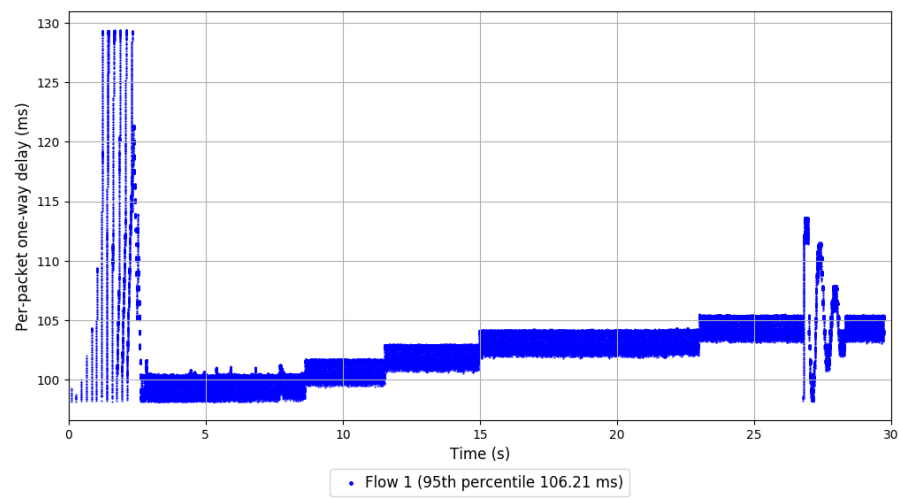
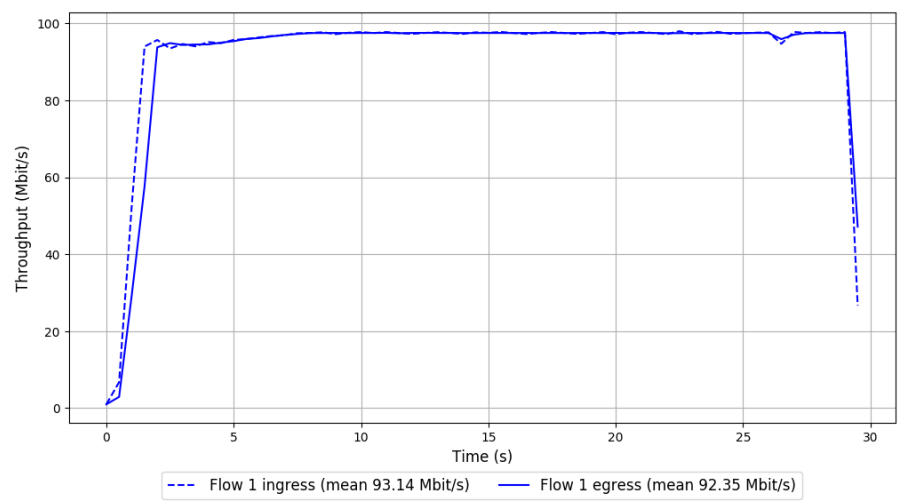
-- Flow 1:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 106.207 ms

Loss rate: 0.82%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 07:09:25

End at: 2018-04-17 07:09:55

Local clock offset: -5.29 ms

Remote clock offset: 6.33 ms

Below is generated by plot.py at 2018-04-17 09:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 103.503 ms

Loss rate: 0.73%

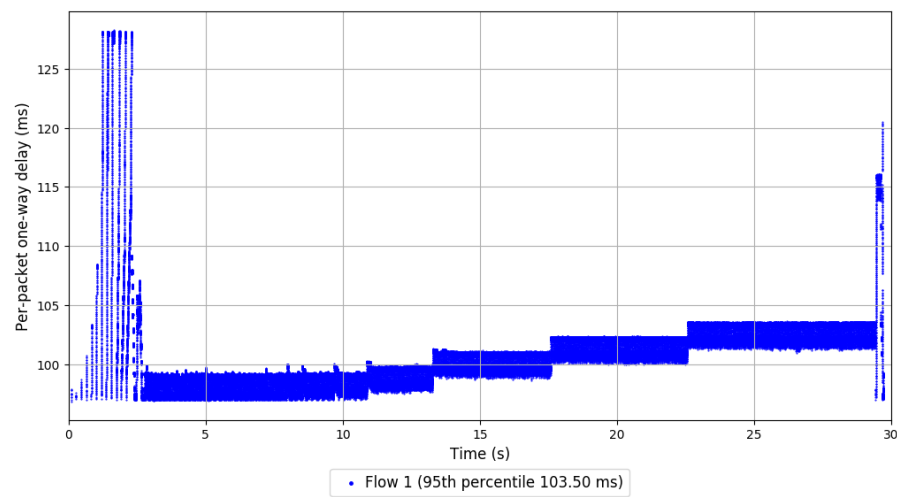
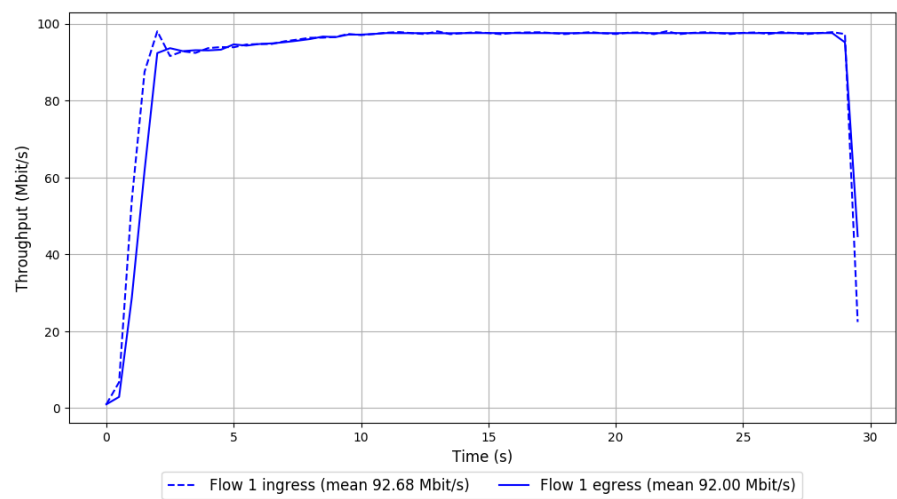
-- Flow 1:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 103.503 ms

Loss rate: 0.73%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 07:30:38

End at: 2018-04-17 07:31:08

Local clock offset: -5.19 ms

Remote clock offset: 4.803 ms

Below is generated by plot.py at 2018-04-17 09:05:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 100.344 ms

Loss rate: 0.70%

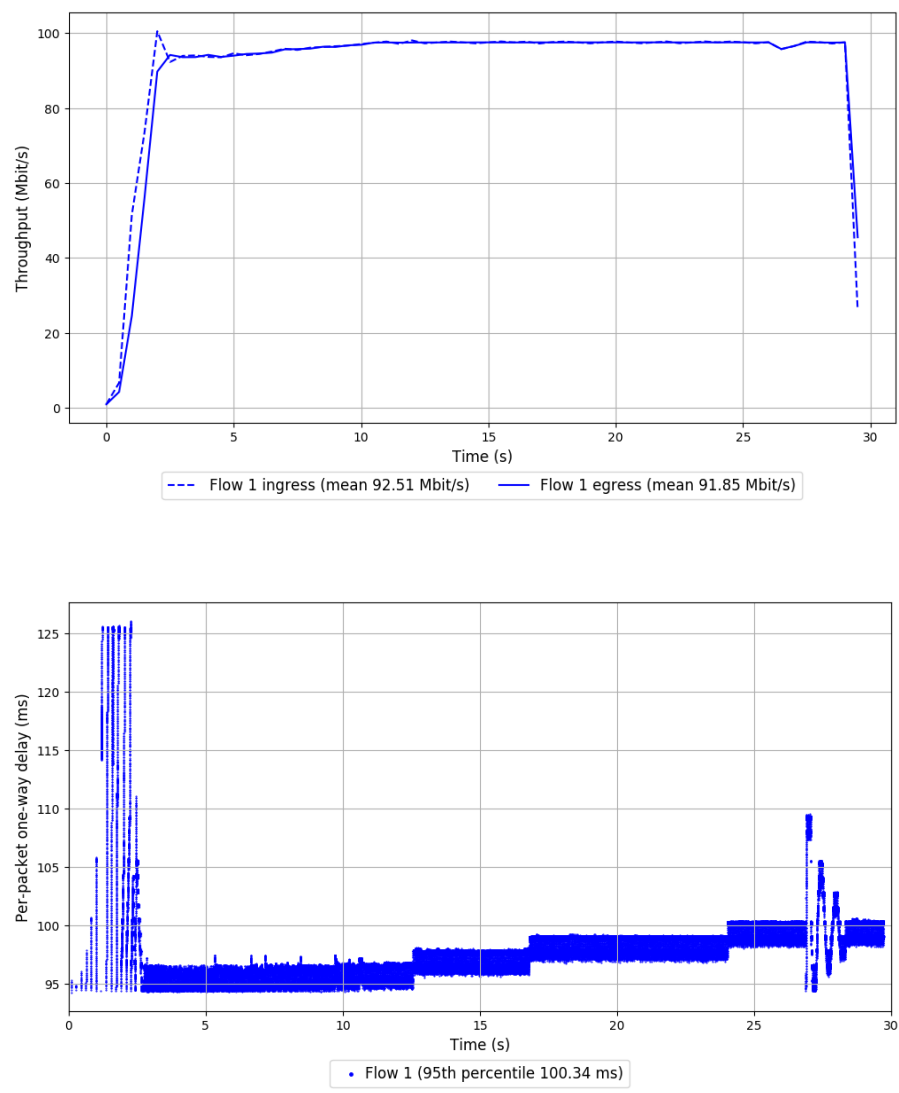
-- Flow 1:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 100.344 ms

Loss rate: 0.70%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 07:51:34

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

Local clock offset: -4.957 ms

Remote clock offset: 9.787 ms

Below is generated by plot.py at 2018-04-17 09:05:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 107.591 ms

Loss rate: 0.69%

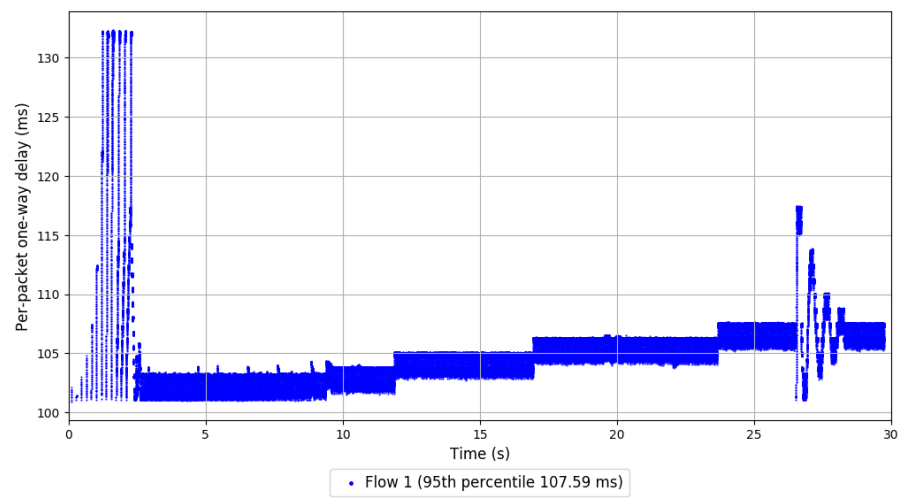
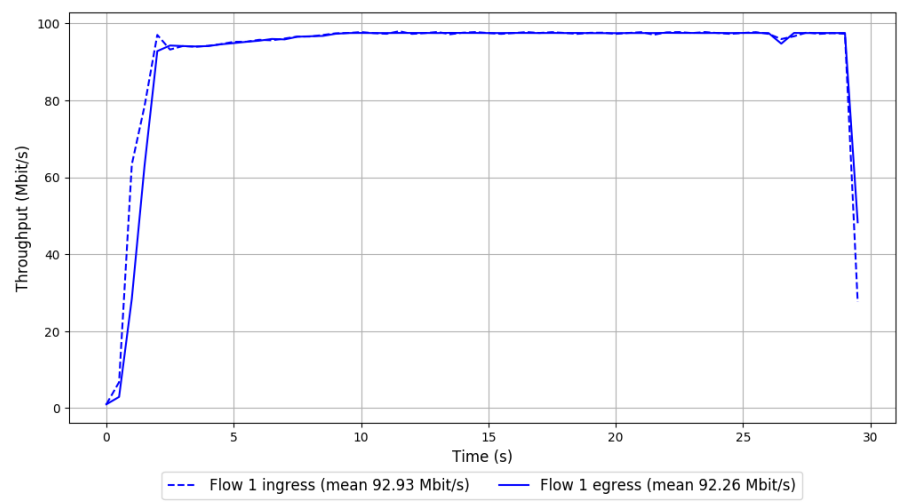
-- Flow 1:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 107.591 ms

Loss rate: 0.69%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 08:12:43

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

Local clock offset: -4.054 ms

Remote clock offset: 4.113 ms

Below is generated by plot.py at 2018-04-17 09:06:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.04 Mbit/s

95th percentile per-packet one-way delay: 114.245 ms

Loss rate: 2.80%

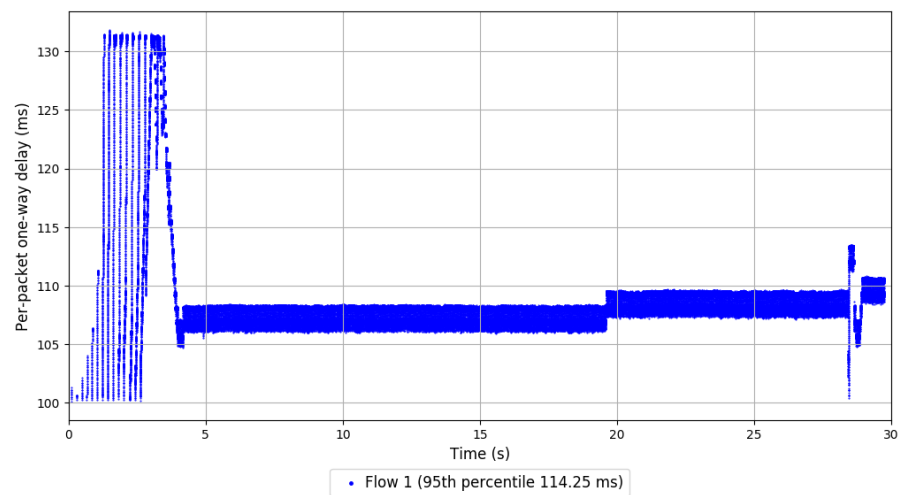
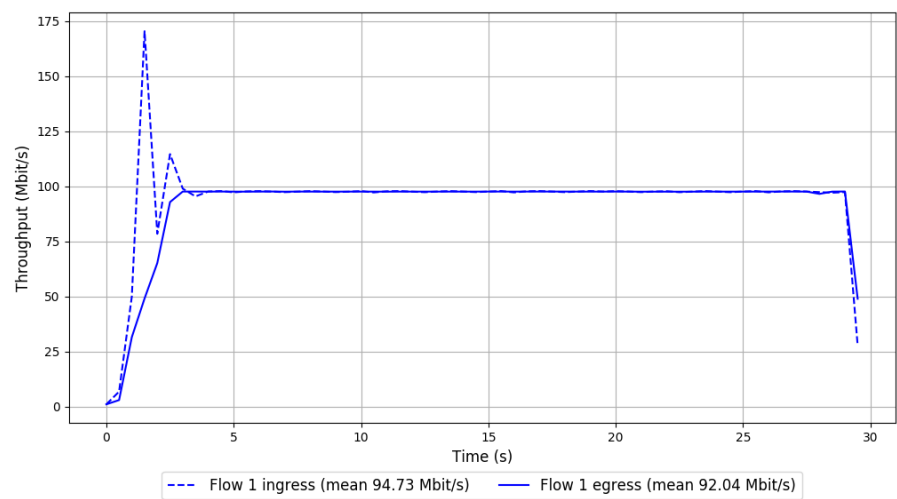
-- Flow 1:

Average throughput: 92.04 Mbit/s

95th percentile per-packet one-way delay: 114.245 ms

Loss rate: 2.80%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 04:57:32

End at: 2018-04-17 04:58:02

Local clock offset: -4.045 ms

Remote clock offset: 10.784 ms

Below is generated by plot.py at 2018-04-17 09:06:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.23 Mbit/s

95th percentile per-packet one-way delay: 108.578 ms

Loss rate: 0.04%

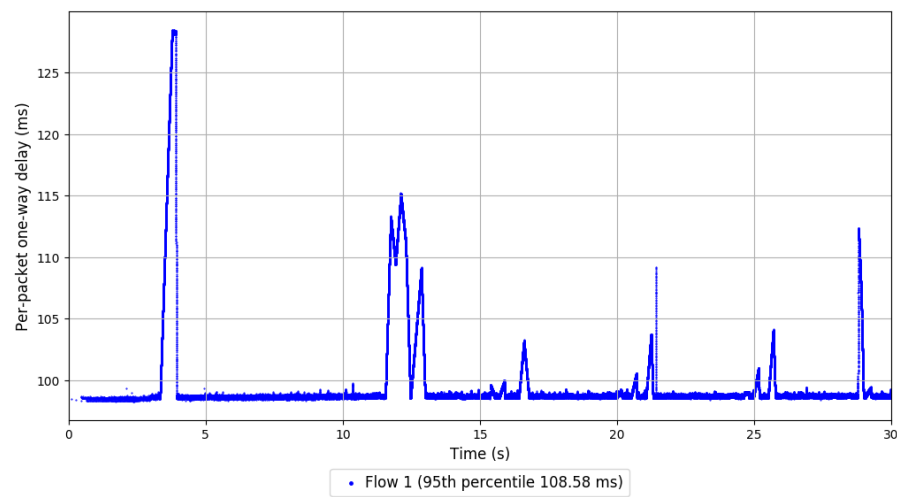
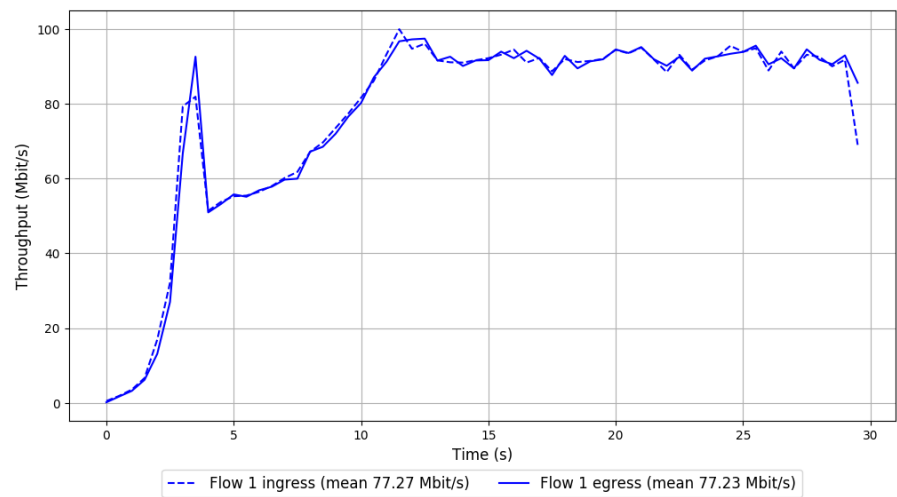
-- Flow 1:

Average throughput: 77.23 Mbit/s

95th percentile per-packet one-way delay: 108.578 ms

Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link

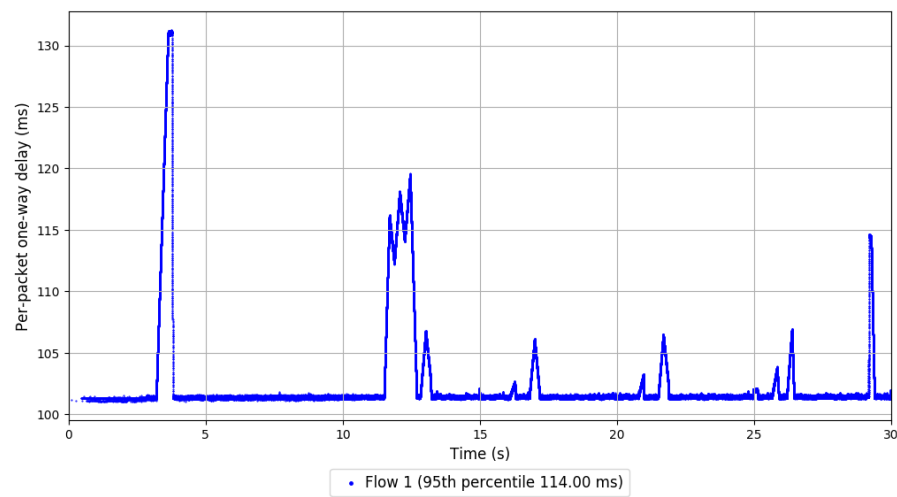
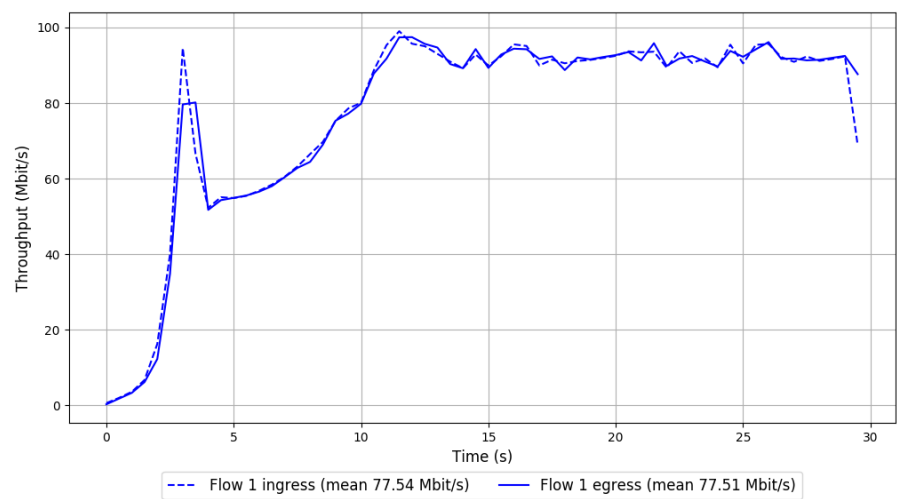


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 05:18:37
End at: 2018-04-17 05:19:07
Local clock offset: -3.803 ms
Remote clock offset: 11.194 ms

Below is generated by plot.py at 2018-04-17 09:06:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: 113.998 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: 113.998 ms
Loss rate: 0.04%

Run 2: Report of PCC-Vivace — Data Link

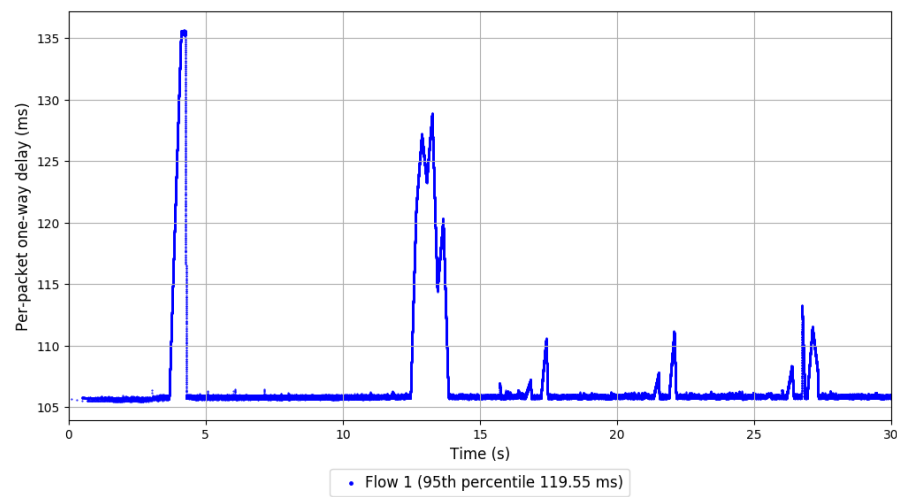
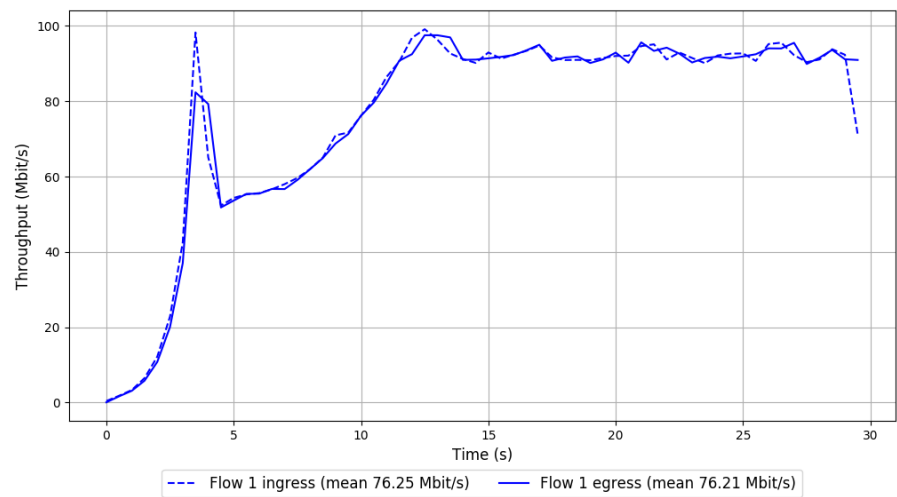


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 05:39:48
End at: 2018-04-17 05:40:18
Local clock offset: -4.215 ms
Remote clock offset: 10.482 ms

Below is generated by plot.py at 2018-04-17 09:06:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 119.554 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 119.554 ms
Loss rate: 0.05%

Run 3: Report of PCC-Vivace — Data Link

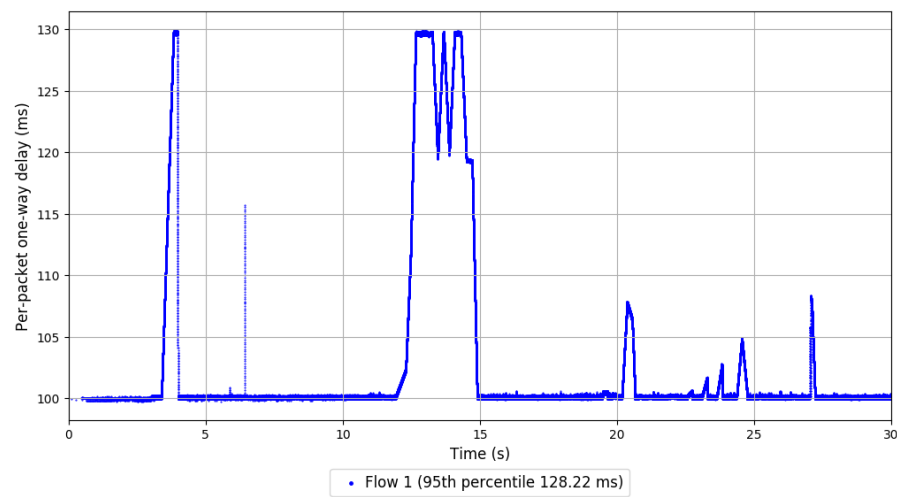
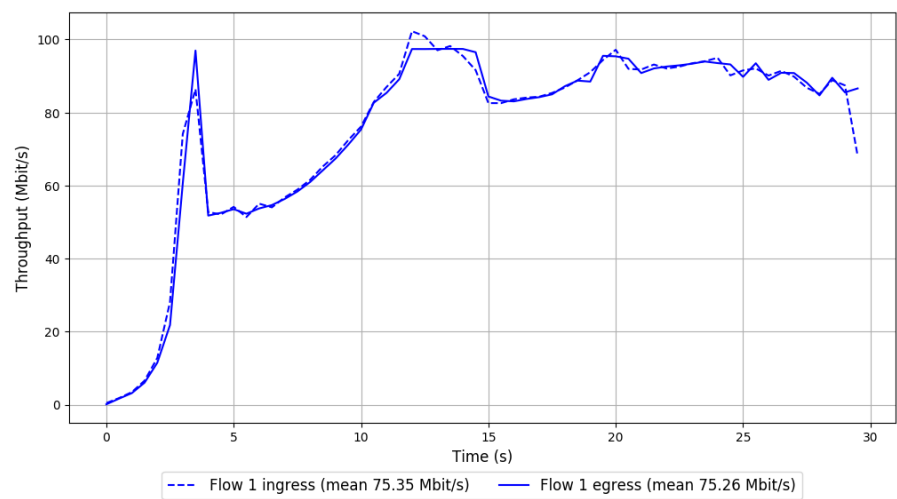


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 06:00:55
End at: 2018-04-17 06:01:25
Local clock offset: -4.434 ms
Remote clock offset: 10.537 ms

Below is generated by plot.py at 2018-04-17 09:06:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.26 Mbit/s
95th percentile per-packet one-way delay: 128.215 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 75.26 Mbit/s
95th percentile per-packet one-way delay: 128.215 ms
Loss rate: 0.12%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 06:21:47

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

Local clock offset: -5.133 ms

Remote clock offset: 6.609 ms

Below is generated by plot.py at 2018-04-17 09:07:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.19 Mbit/s

95th percentile per-packet one-way delay: 102.825 ms

Loss rate: 0.04%

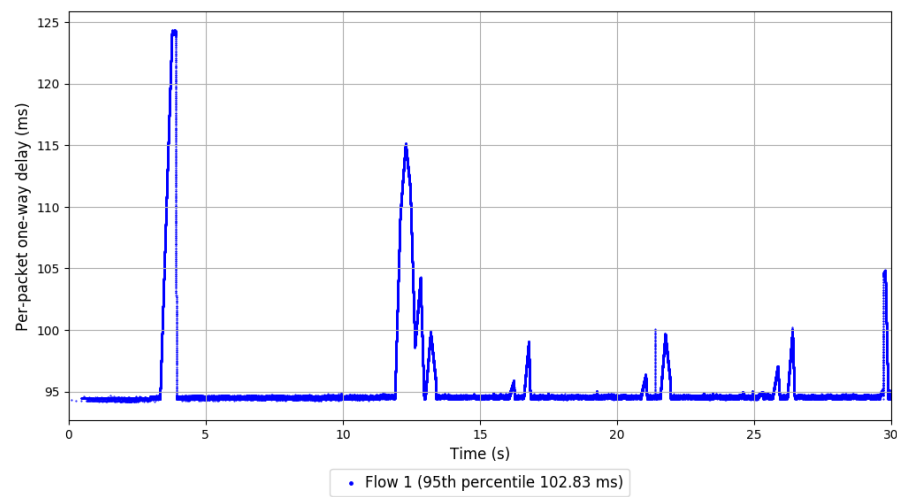
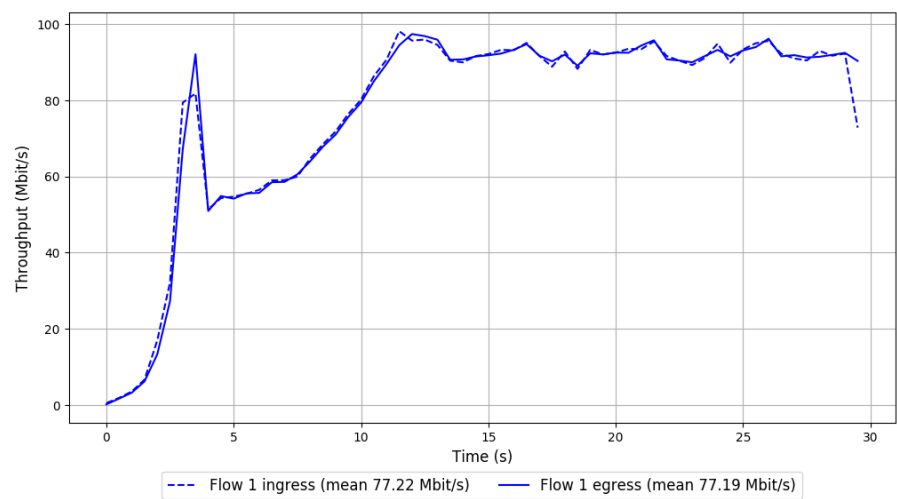
-- Flow 1:

Average throughput: 77.19 Mbit/s

95th percentile per-packet one-way delay: 102.825 ms

Loss rate: 0.04%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 06:42:59

End at: 2018-04-17 06:43:29

Local clock offset: -3.928 ms

Remote clock offset: 6.116 ms

Below is generated by plot.py at 2018-04-17 09:07:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.80 Mbit/s

95th percentile per-packet one-way delay: 123.136 ms

Loss rate: 0.12%

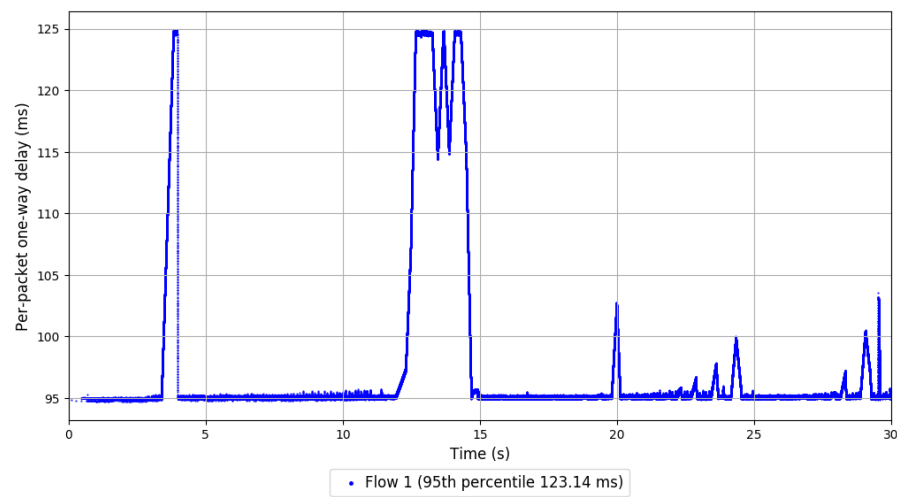
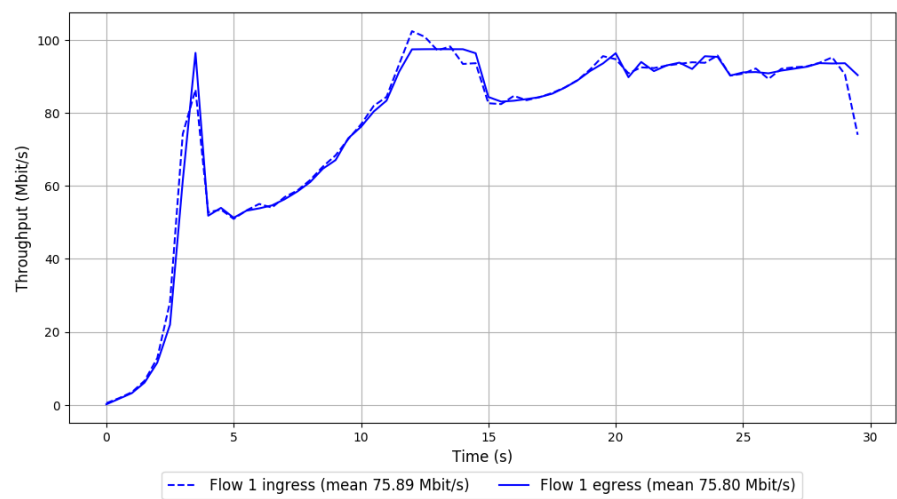
-- Flow 1:

Average throughput: 75.80 Mbit/s

95th percentile per-packet one-way delay: 123.136 ms

Loss rate: 0.12%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

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

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

Local clock offset: -4.317 ms

Remote clock offset: 6.355 ms

Below is generated by plot.py at 2018-04-17 09:07:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.72 Mbit/s

95th percentile per-packet one-way delay: 124.651 ms

Loss rate: 0.17%

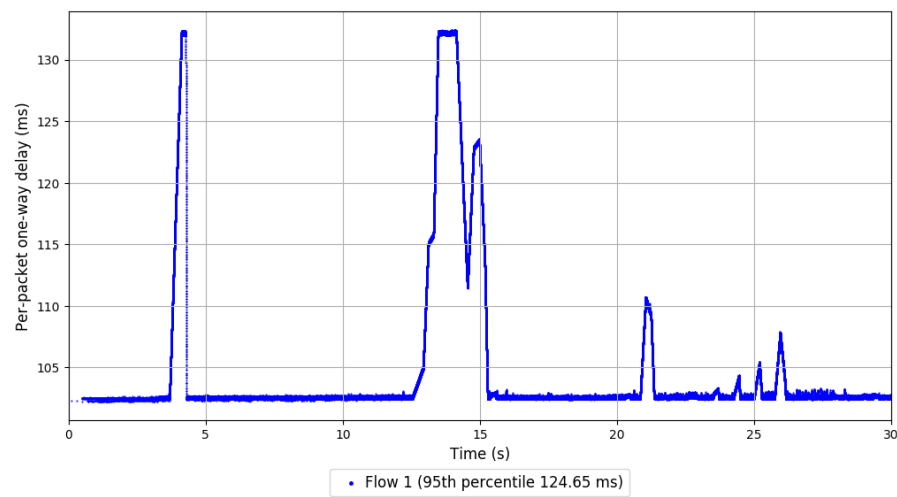
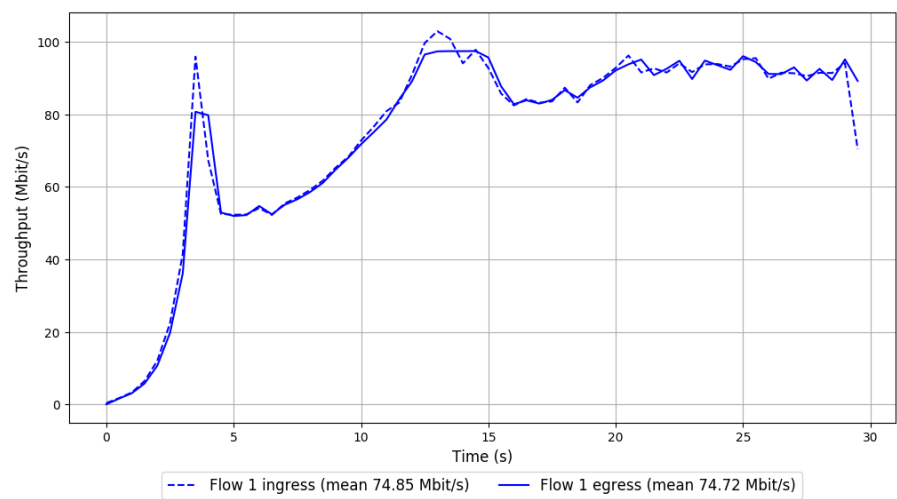
-- Flow 1:

Average throughput: 74.72 Mbit/s

95th percentile per-packet one-way delay: 124.651 ms

Loss rate: 0.17%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 07:25:24

End at: 2018-04-17 07:25:54

Local clock offset: -5.061 ms

Remote clock offset: 4.241 ms

Below is generated by plot.py at 2018-04-17 09:07:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 119.441 ms

Loss rate: 0.12%

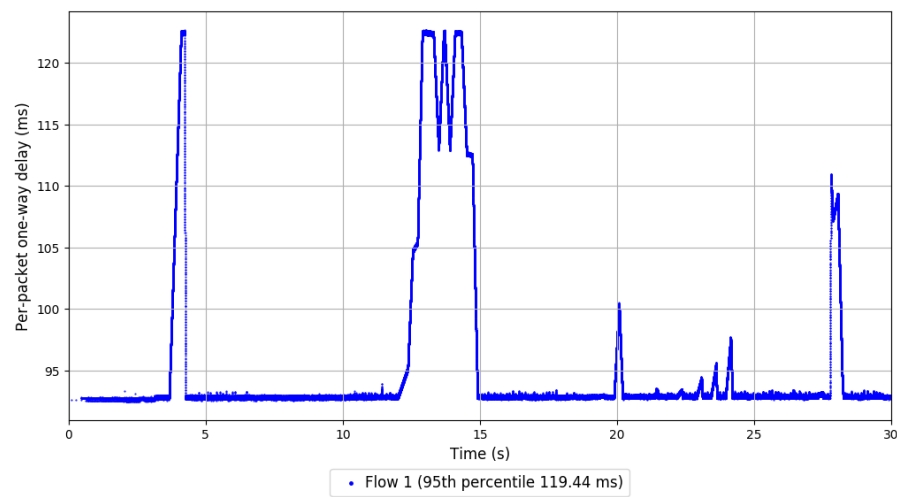
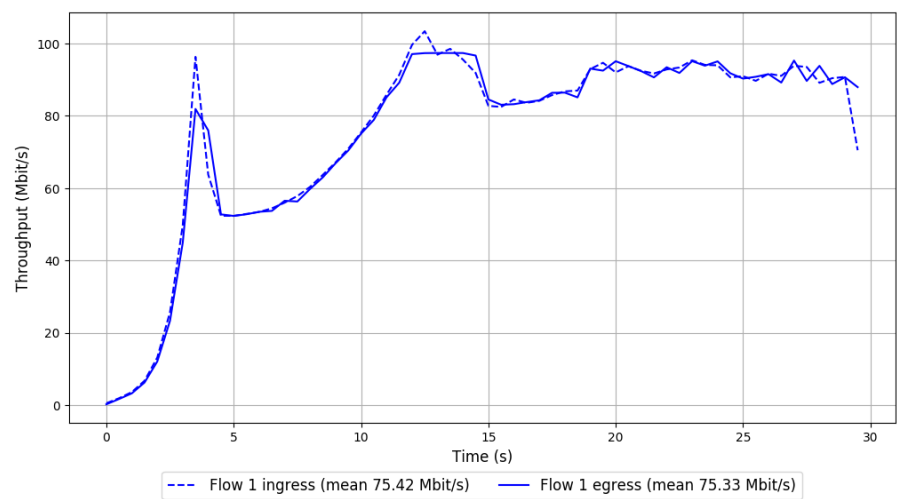
-- Flow 1:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 119.441 ms

Loss rate: 0.12%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 07:46:32

End at: 2018-04-17 07:47:02

Local clock offset: -5.77 ms

Remote clock offset: 4.079 ms

Below is generated by plot.py at 2018-04-17 09:07:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.81 Mbit/s

95th percentile per-packet one-way delay: 105.509 ms

Loss rate: 0.04%

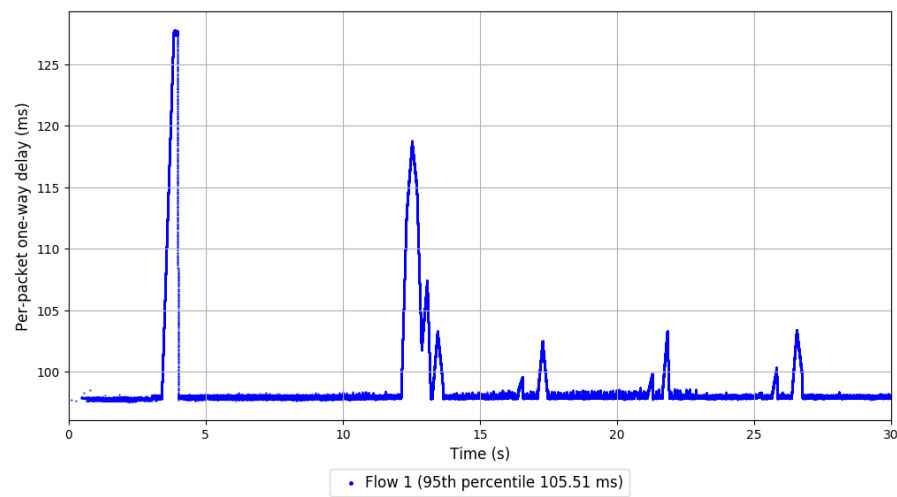
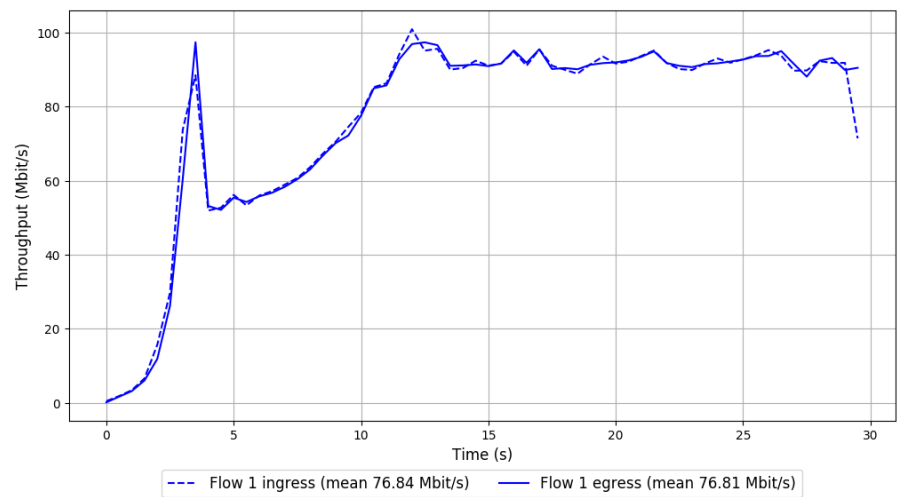
-- Flow 1:

Average throughput: 76.81 Mbit/s

95th percentile per-packet one-way delay: 105.509 ms

Loss rate: 0.04%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 08:07:30

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

Local clock offset: -4.914 ms

Remote clock offset: 10.594 ms

Below is generated by plot.py at 2018-04-17 09:07:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 109.319 ms

Loss rate: 0.04%

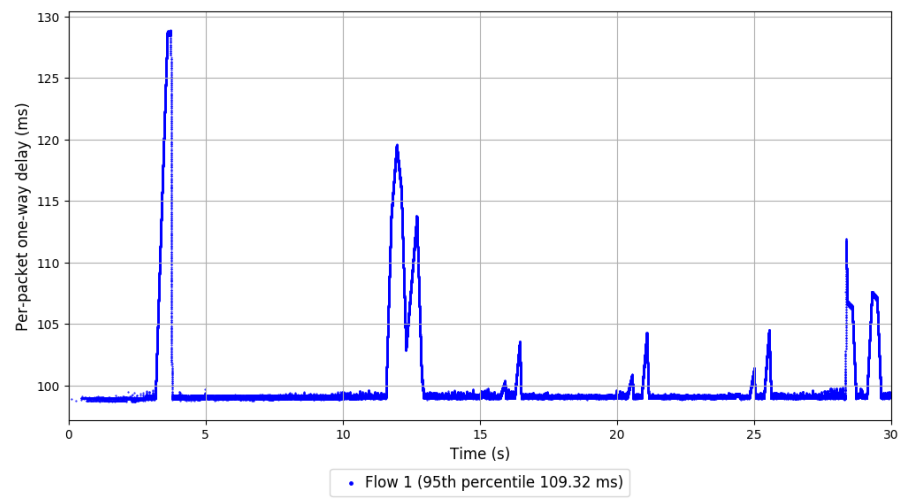
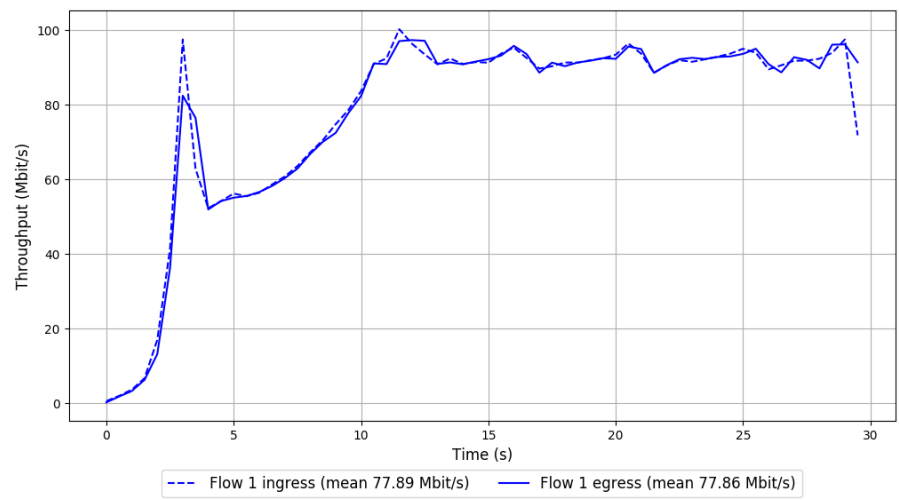
-- Flow 1:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 109.319 ms

Loss rate: 0.04%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 04:55:06
End at: 2018-04-17 04:55:36
Local clock offset: -3.361 ms
Remote clock offset: 11.017 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 05:16:02

End at: 2018-04-17 05:16:32

Local clock offset: -3.033 ms

Remote clock offset: 11.129 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 05:37:21

End at: 2018-04-17 05:37:52

Local clock offset: -4.181 ms

Remote clock offset: 11.27 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 05:58:29

End at: 2018-04-17 05:58:59

Local clock offset: -5.08 ms

Remote clock offset: 5.673 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 06:19:21

End at: 2018-04-17 06:19:51

Local clock offset: -4.358 ms

Remote clock offset: 12.224 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 06:40:29

End at: 2018-04-17 06:41:00

Local clock offset: -5.56 ms

Remote clock offset: 11.67 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 07:01:43

End at: 2018-04-17 07:02:13

Local clock offset: -4.423 ms

Remote clock offset: 11.117 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 07:22:58

End at: 2018-04-17 07:23:28

Local clock offset: -4.977 ms

Remote clock offset: 10.78 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 07:44:05

End at: 2018-04-17 07:44:35

Local clock offset: -5.912 ms

Remote clock offset: 9.717 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

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

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

Local clock offset: -4.853 ms

Remote clock offset: 9.837 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing