

Pantheon Report

Generated at 2018-05-30 11:52:58 (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.

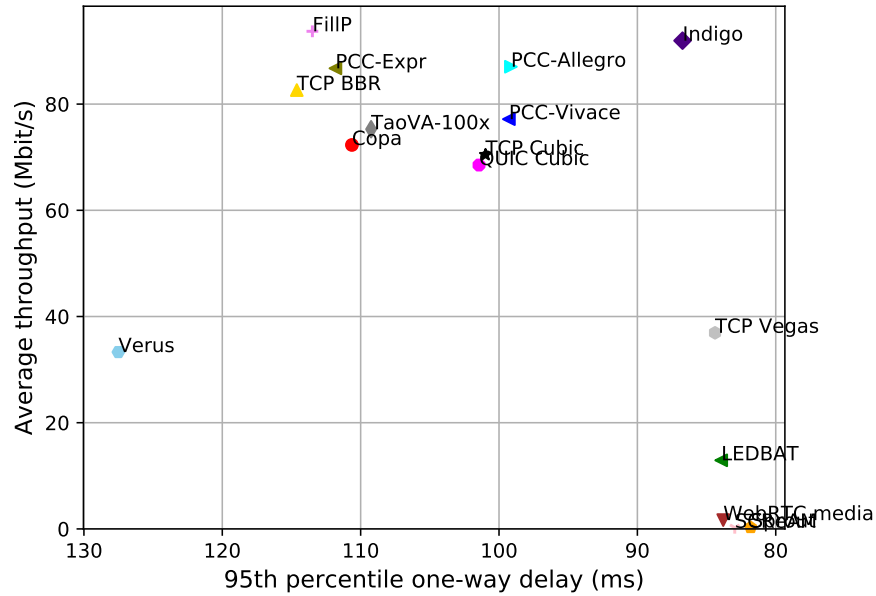
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

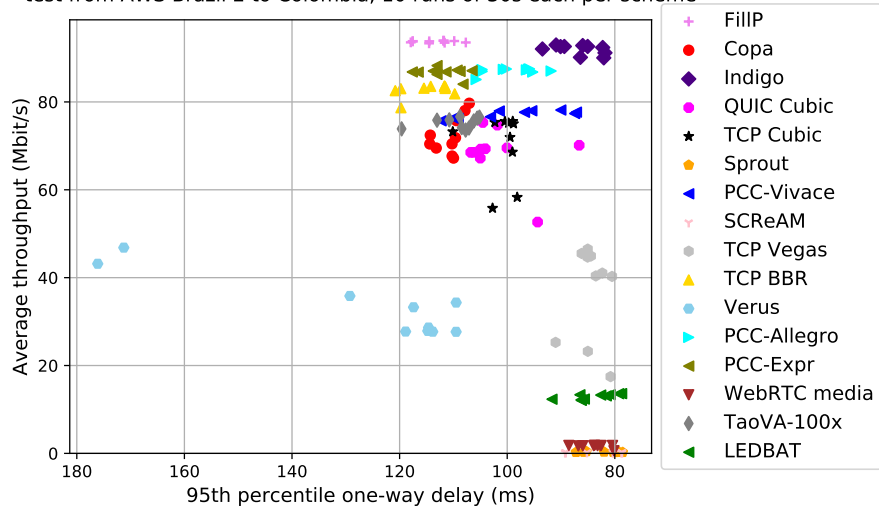
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
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 @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Brazil 2 to Colombia, 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	82.64	114.61	3.99
Copa	10	72.31	110.63	4.01
TCP Cubic	10	70.46	100.98	0.44
FillP	10	93.71	113.49	8.22
Indigo	10	91.94	86.74	0.84
LEDBAT	10	12.92	83.94	0.01
PCC-Allegro	10	87.04	99.14	1.64
PCC-Expr	10	86.73	111.83	2.60
QUIC Cubic	10	68.52	101.45	0.43
SCReAM	10	0.22	82.96	0.01
Sprout	10	0.29	81.81	0.02
TaoVA-100x	10	75.26	109.25	0.70
TCP Vegas	10	36.93	84.39	0.39
Verus	10	33.30	127.51	31.73
PCC-Vivace	10	77.17	99.29	0.08
WebRTC media	10	1.66	83.80	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-30 08:35:01

End at: 2018-05-30 08:35:31

Local clock offset: -1.461 ms

Remote clock offset: 3.578 ms

Below is generated by plot.py at 2018-05-30 11:35:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.40 Mbit/s

95th percentile per-packet one-way delay: 111.496 ms

Loss rate: 3.79%

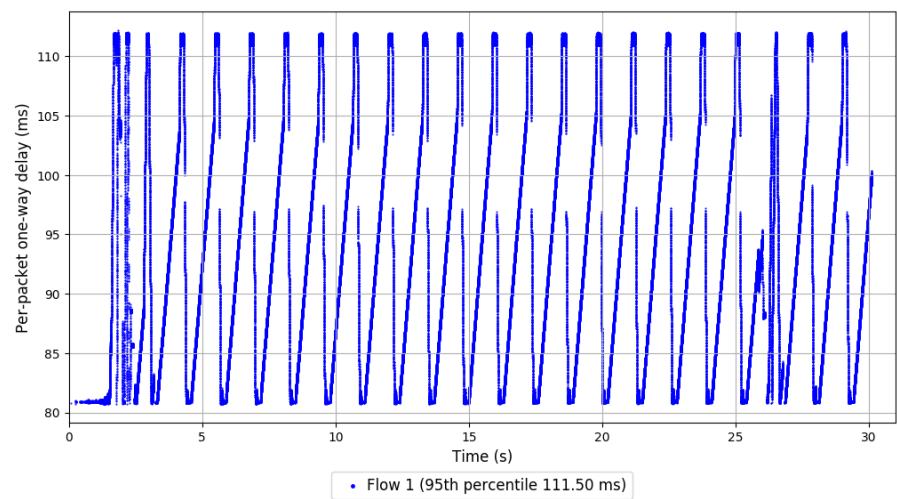
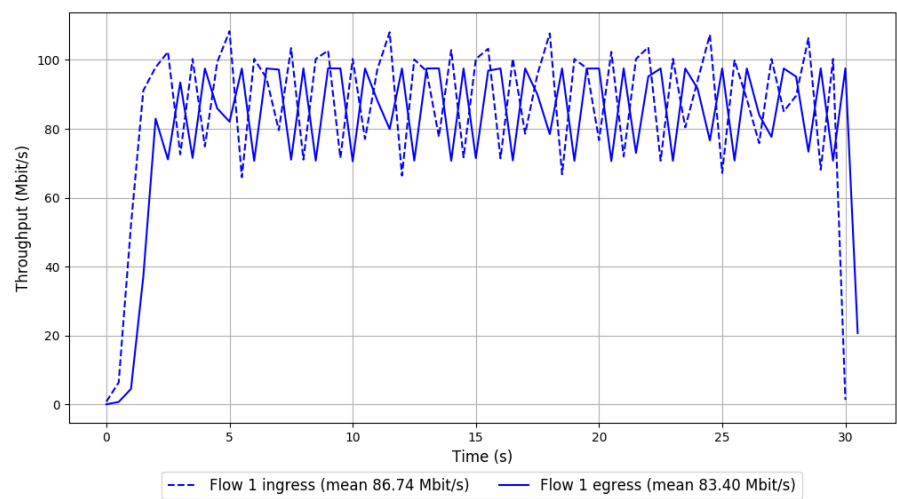
-- Flow 1:

Average throughput: 83.40 Mbit/s

95th percentile per-packet one-way delay: 111.496 ms

Loss rate: 3.79%

Run 1: Report of TCP BBR — Data Link

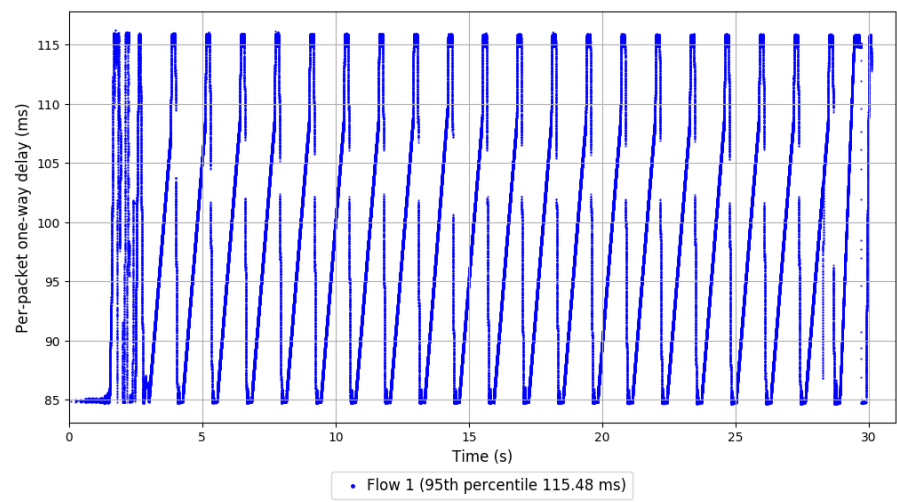
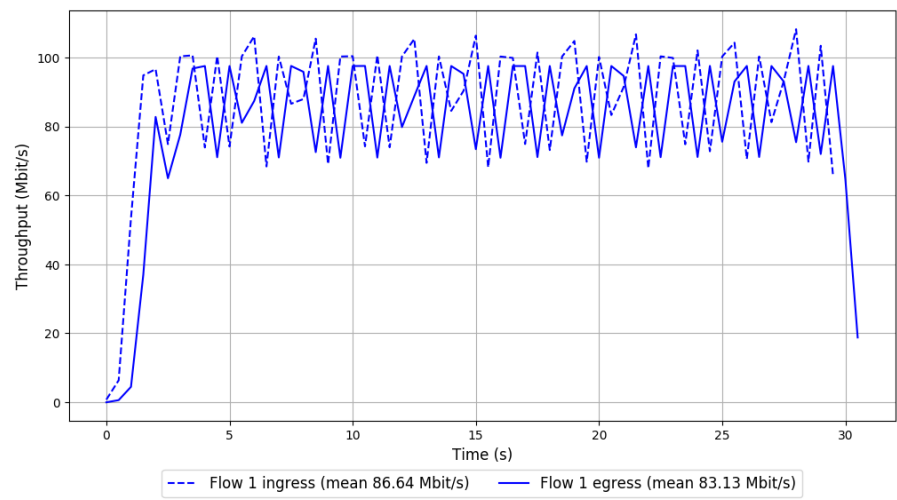


Run 2: Statistics of TCP BBR

Start at: 2018-05-30 08:53:41
End at: 2018-05-30 08:54:11
Local clock offset: -1.449 ms
Remote clock offset: 14.223 ms

Below is generated by plot.py at 2018-05-30 11:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 115.478 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 115.478 ms
Loss rate: 3.96%

Run 2: Report of TCP BBR — Data Link

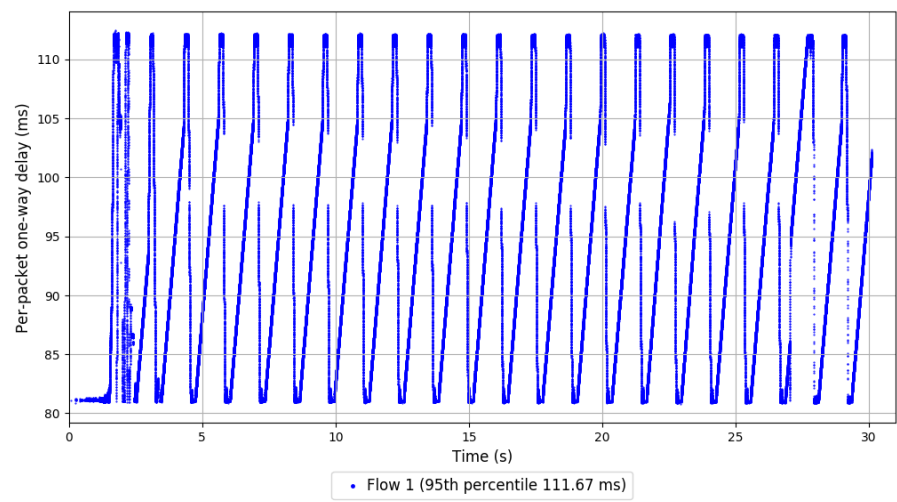
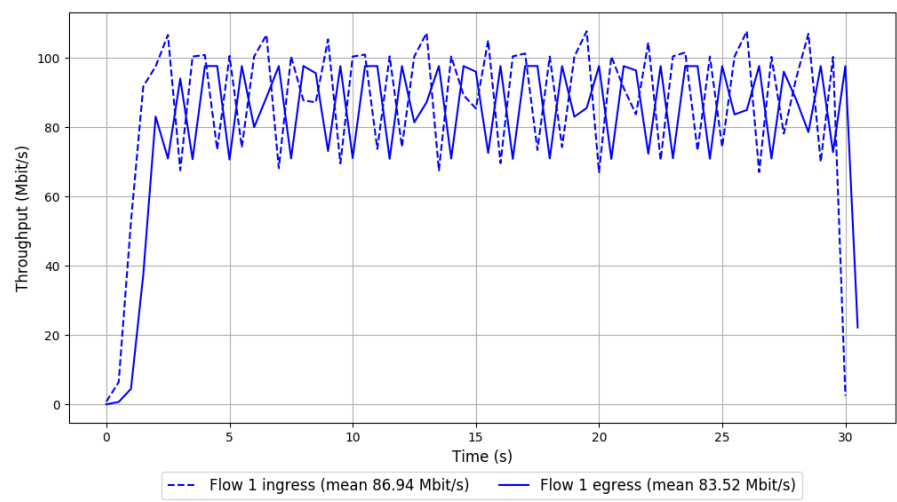


Run 3: Statistics of TCP BBR

Start at: 2018-05-30 09:12:21
End at: 2018-05-30 09:12:51
Local clock offset: -0.732 ms
Remote clock offset: 13.255 ms

Below is generated by plot.py at 2018-05-30 11:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 111.669 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 111.669 ms
Loss rate: 3.87%

Run 3: Report of TCP BBR — Data Link

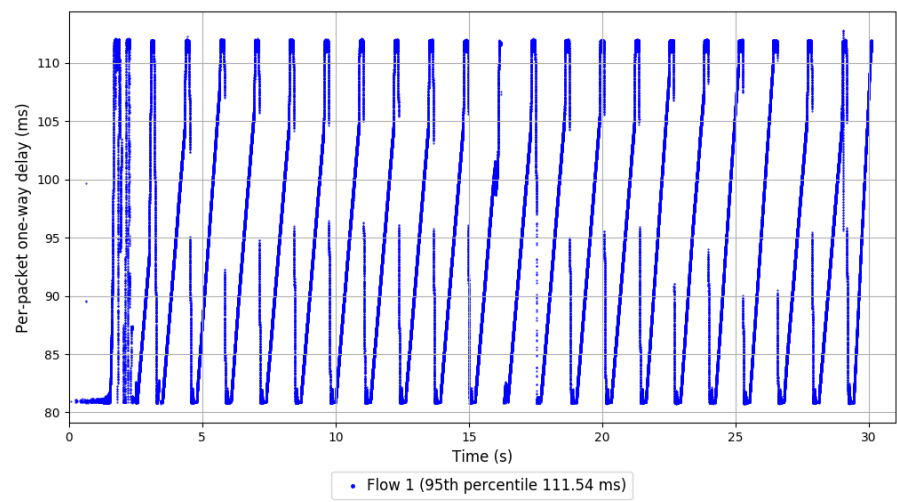
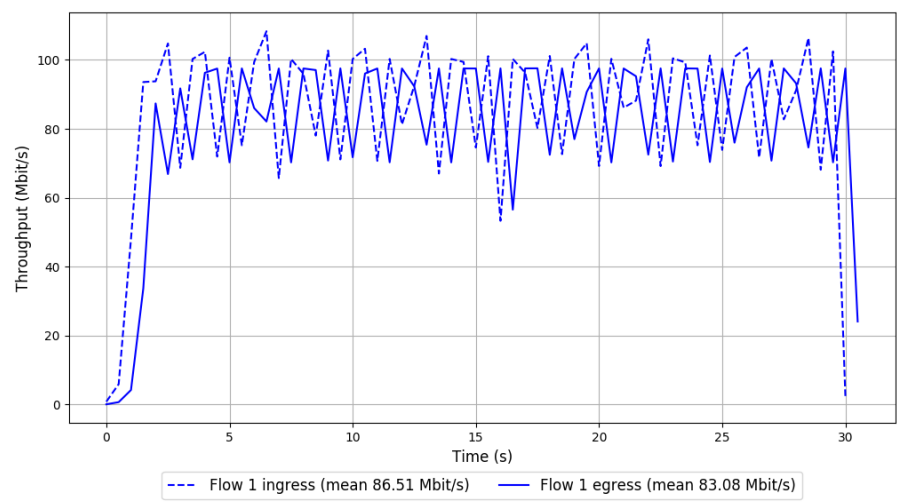


Run 4: Statistics of TCP BBR

Start at: 2018-05-30 09:31:01
End at: 2018-05-30 09:31:31
Local clock offset: -1.708 ms
Remote clock offset: 14.137 ms

Below is generated by plot.py at 2018-05-30 11:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 111.543 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 111.543 ms
Loss rate: 3.87%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-30 09:49:41

End at: 2018-05-30 09:50:11

Local clock offset: -1.566 ms

Remote clock offset: 20.02 ms

Below is generated by plot.py at 2018-05-30 11:35:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.54 Mbit/s

95th percentile per-packet one-way delay: 114.221 ms

Loss rate: 4.24%

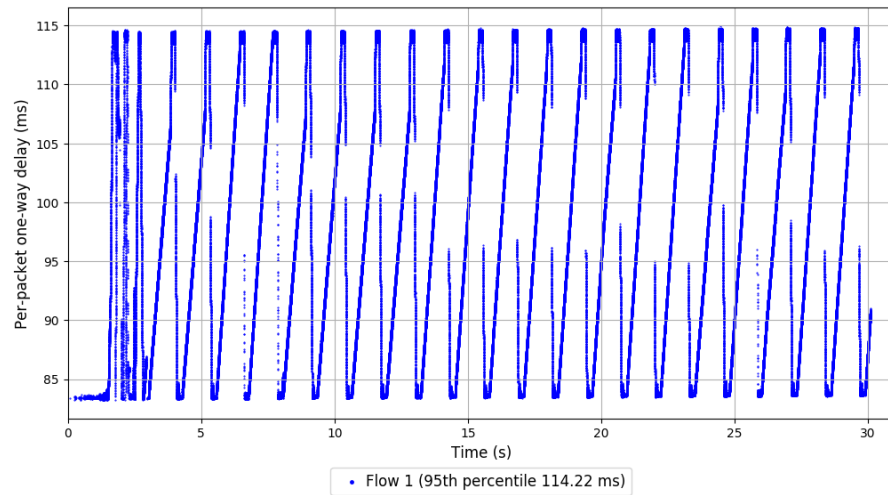
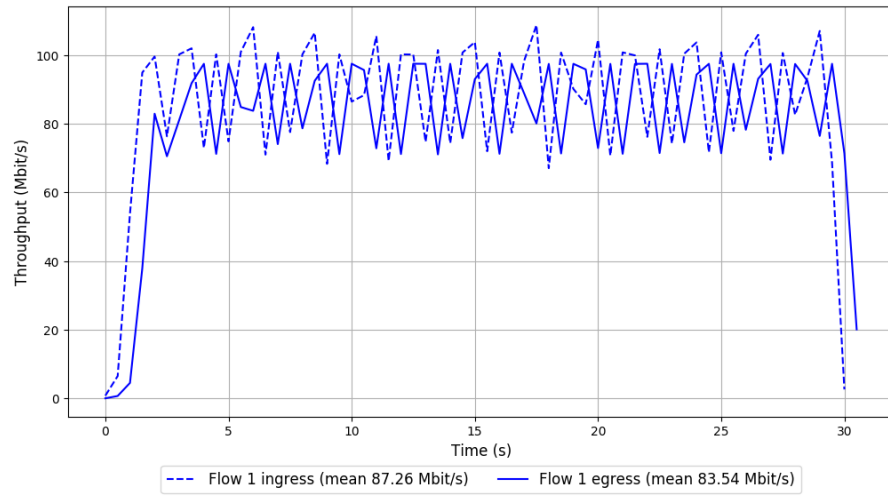
-- Flow 1:

Average throughput: 83.54 Mbit/s

95th percentile per-packet one-way delay: 114.221 ms

Loss rate: 4.24%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-30 10:08:20

End at: 2018-05-30 10:08:50

Local clock offset: -2.65 ms

Remote clock offset: 8.928 ms

Below is generated by plot.py at 2018-05-30 11:35:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.85 Mbit/s

95th percentile per-packet one-way delay: 109.760 ms

Loss rate: 4.22%

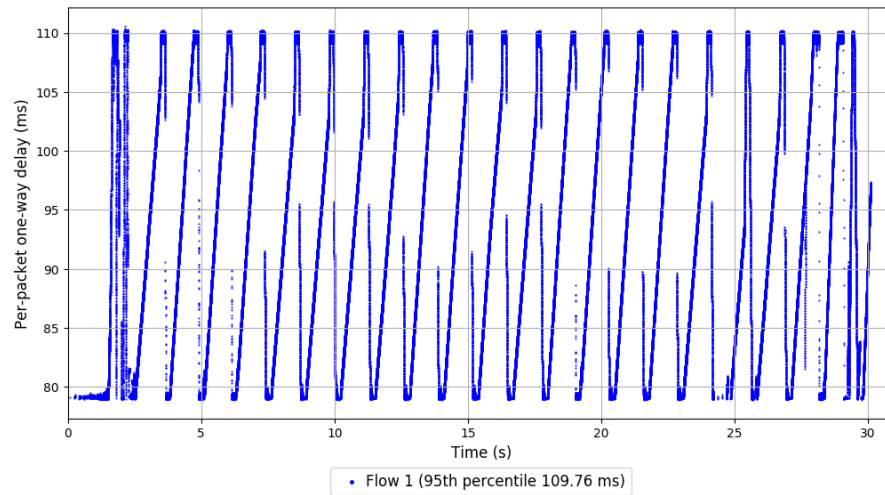
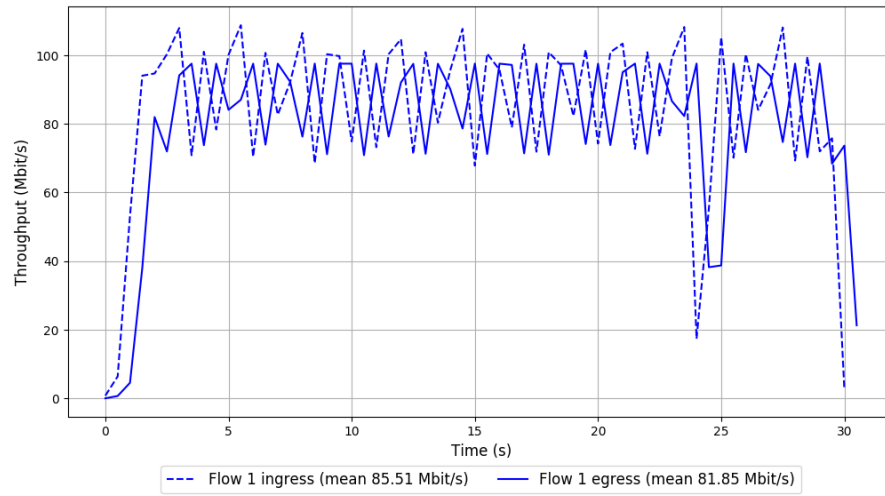
-- Flow 1:

Average throughput: 81.85 Mbit/s

95th percentile per-packet one-way delay: 109.760 ms

Loss rate: 4.22%

Run 6: Report of TCP BBR — Data Link

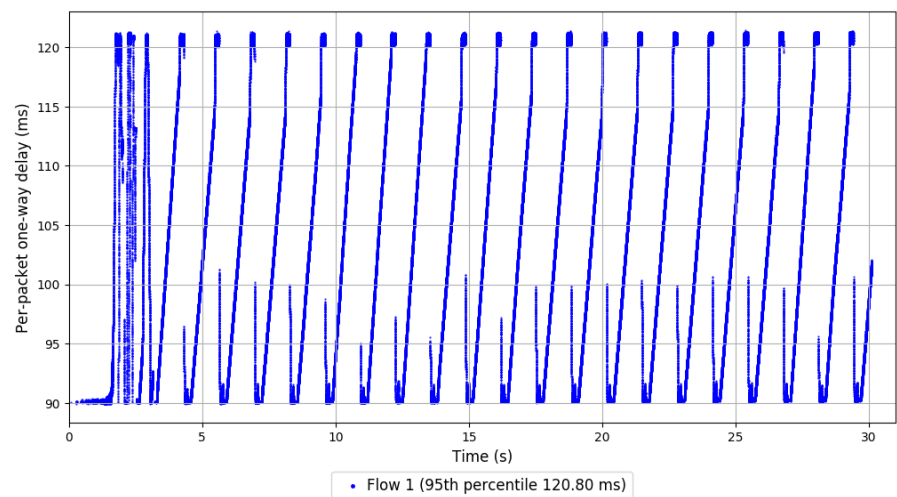
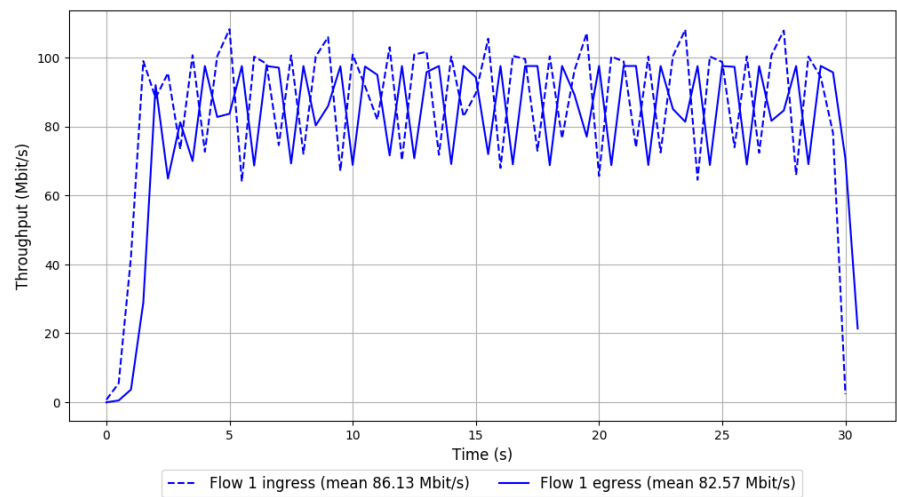


Run 7: Statistics of TCP BBR

Start at: 2018-05-30 10:27:05
End at: 2018-05-30 10:27:35
Local clock offset: -3.768 ms
Remote clock offset: 10.584 ms

Below is generated by plot.py at 2018-05-30 11:35:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 120.803 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 120.803 ms
Loss rate: 4.12%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-30 10:45:48

End at: 2018-05-30 10:46:18

Local clock offset: -1.716 ms

Remote clock offset: 6.712 ms

Below is generated by plot.py at 2018-05-30 11:35:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.68 Mbit/s

95th percentile per-packet one-way delay: 119.752 ms

Loss rate: 3.58%

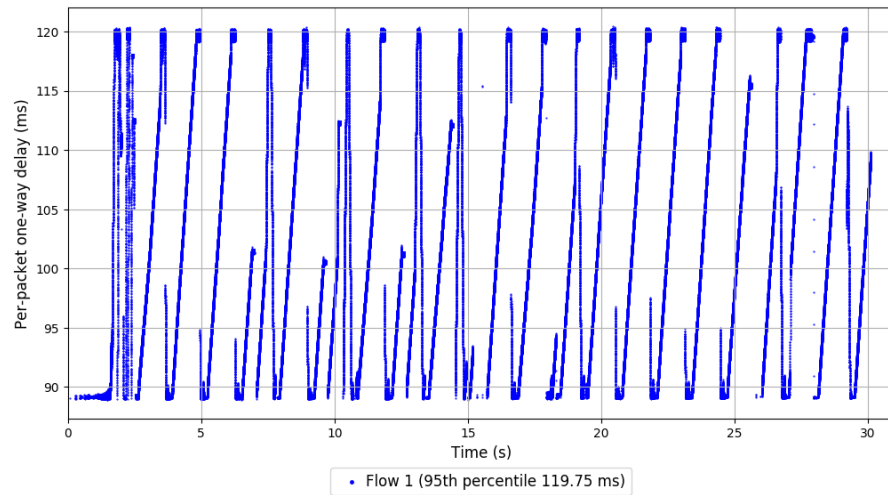
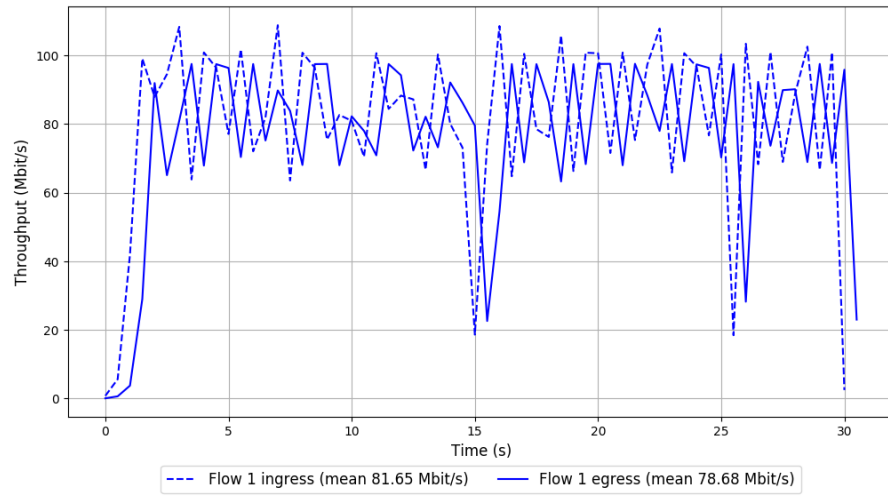
-- Flow 1:

Average throughput: 78.68 Mbit/s

95th percentile per-packet one-way delay: 119.752 ms

Loss rate: 3.58%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-30 11:04:27

End at: 2018-05-30 11:04:58

Local clock offset: -2.127 ms

Remote clock offset: 6.619 ms

Below is generated by plot.py at 2018-05-30 11:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 119.781 ms

Loss rate: 4.35%

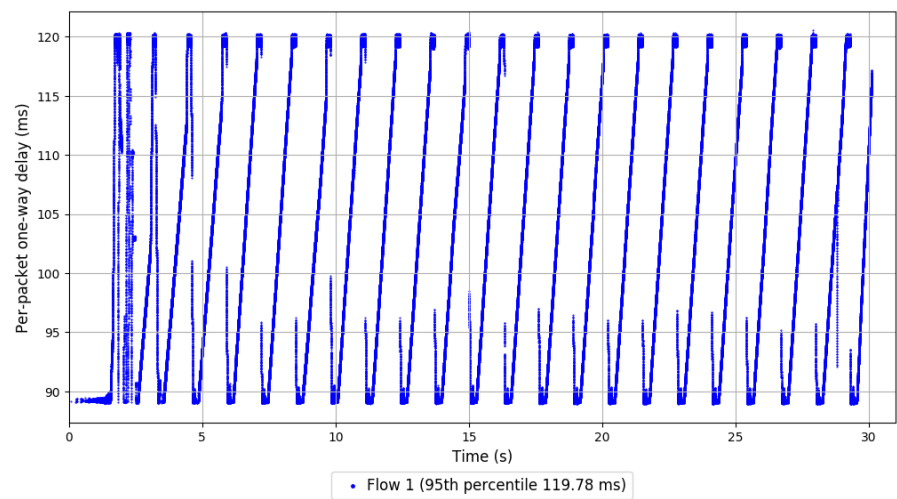
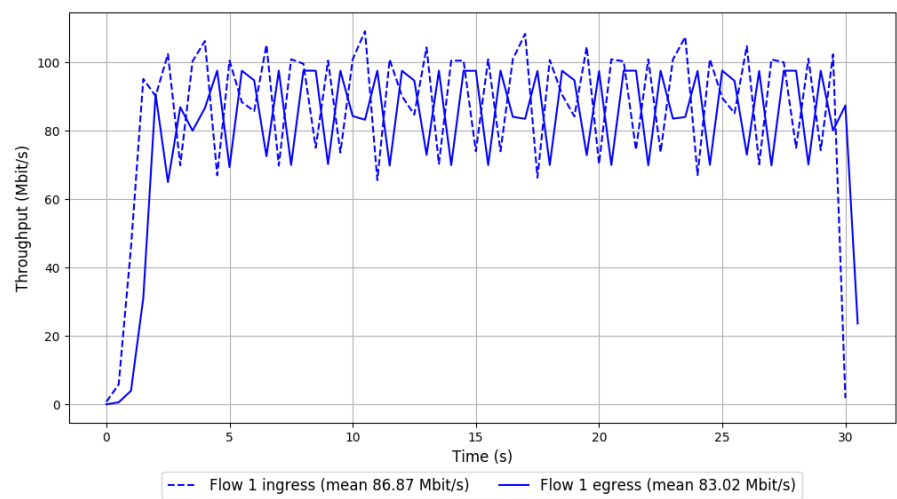
-- Flow 1:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 119.781 ms

Loss rate: 4.35%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-30 11:23:12

End at: 2018-05-30 11:23:42

Local clock offset: -6.794 ms

Remote clock offset: 3.202 ms

Below is generated by plot.py at 2018-05-30 11:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 111.645 ms

Loss rate: 3.93%

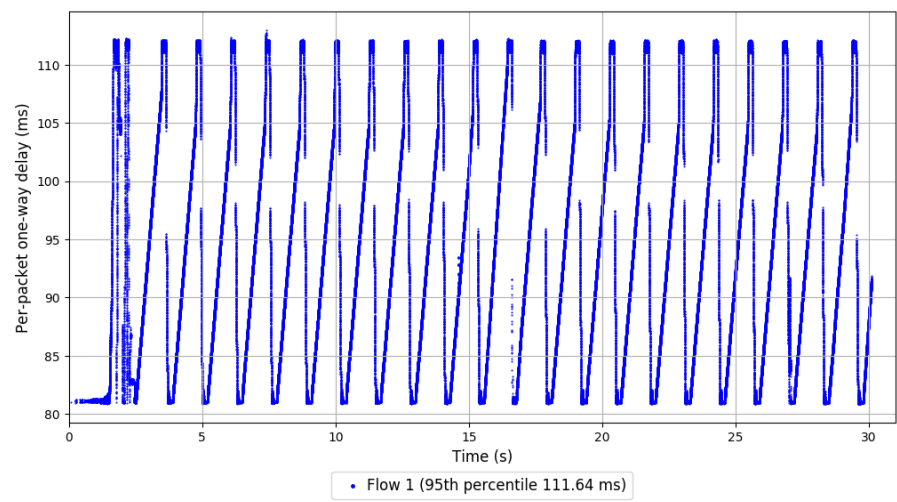
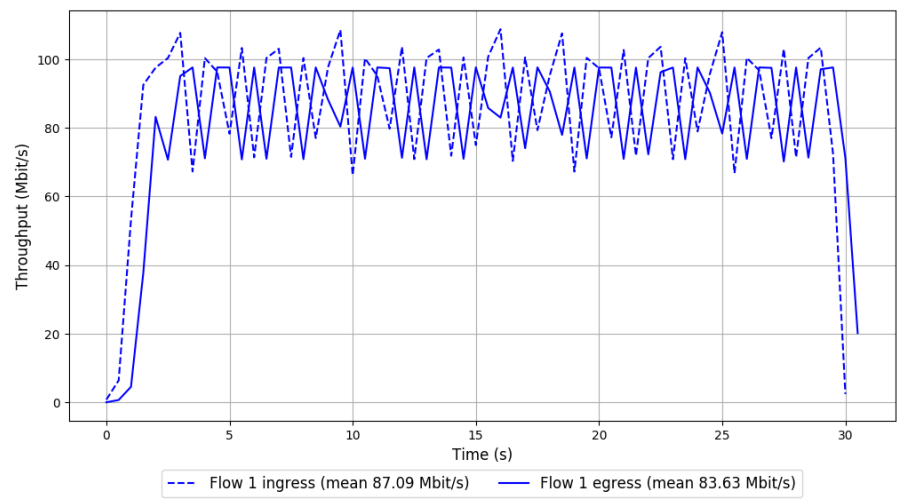
-- Flow 1:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 111.645 ms

Loss rate: 3.93%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-30 08:27:47

End at: 2018-05-30 08:28:17

Local clock offset: -0.579 ms

Remote clock offset: 8.68 ms

Below is generated by plot.py at 2018-05-30 11:37:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.43 Mbit/s

95th percentile per-packet one-way delay: 114.299 ms

Loss rate: 4.76%

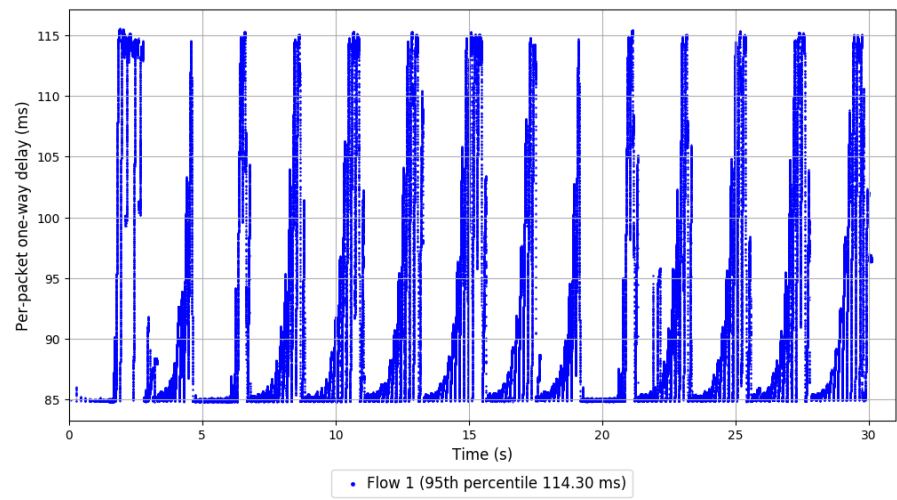
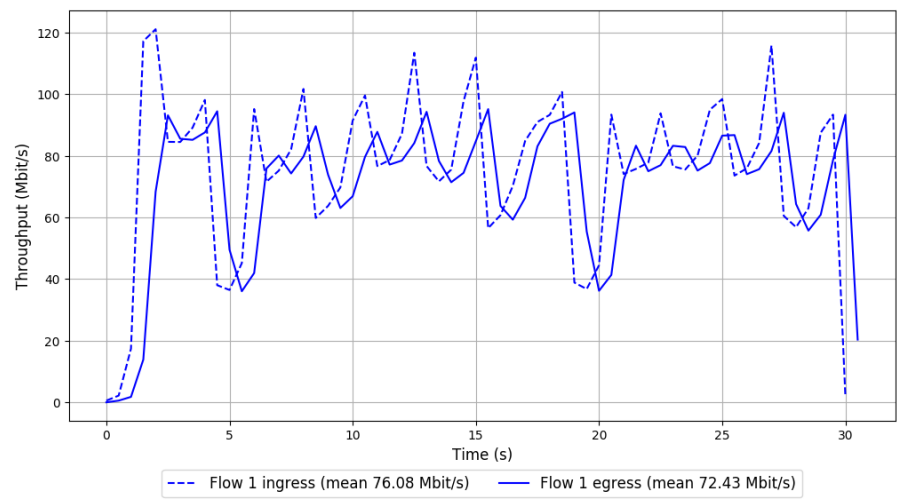
-- Flow 1:

Average throughput: 72.43 Mbit/s

95th percentile per-packet one-way delay: 114.299 ms

Loss rate: 4.76%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-30 08:46:29

End at: 2018-05-30 08:46:59

Local clock offset: -0.119 ms

Remote clock offset: 7.983 ms

Below is generated by plot.py at 2018-05-30 11:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 107.049 ms

Loss rate: 1.60%

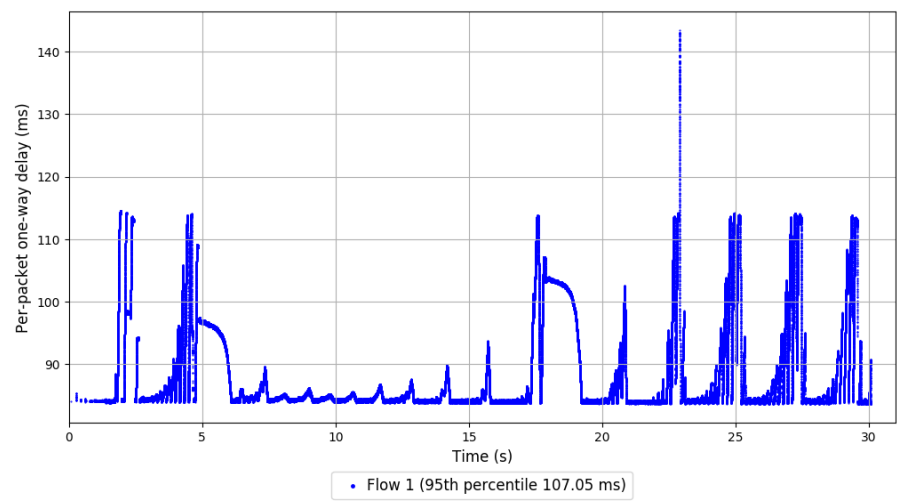
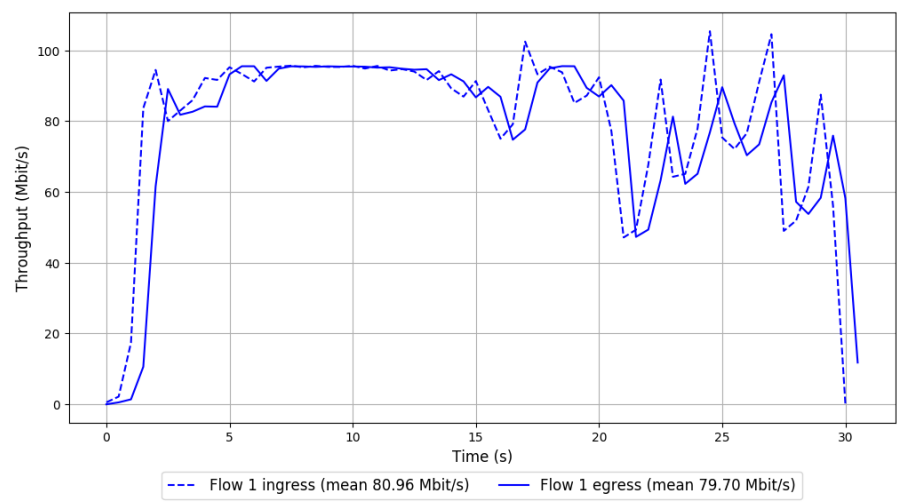
-- Flow 1:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 107.049 ms

Loss rate: 1.60%

Run 2: Report of Copa — Data Link

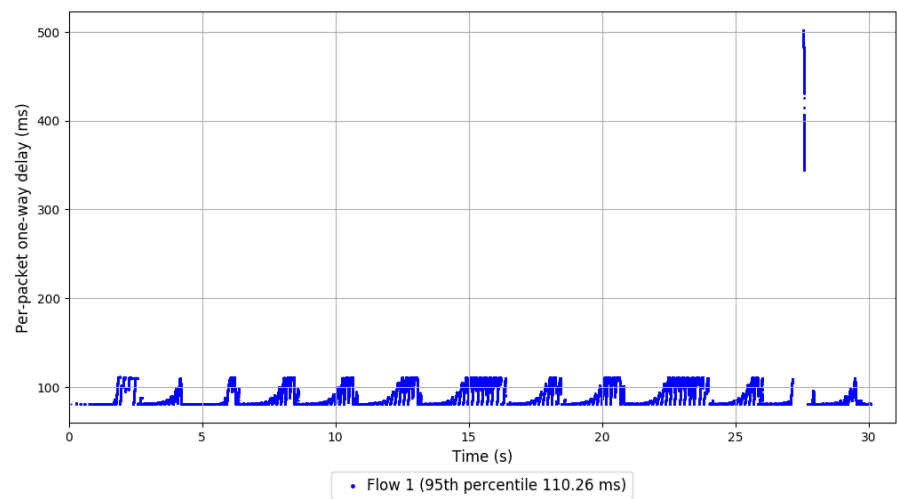
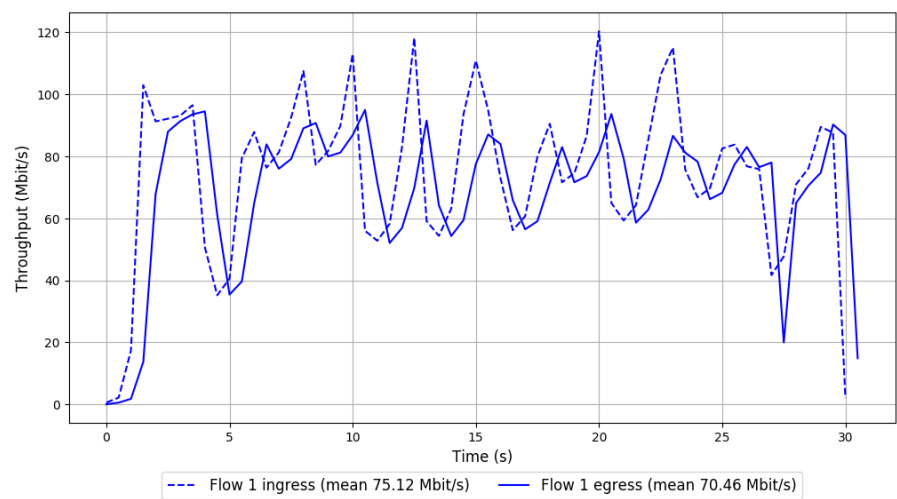


Run 3: Statistics of Copa

Start at: 2018-05-30 09:05:10
End at: 2018-05-30 09:05:40
Local clock offset: -0.069 ms
Remote clock offset: 11.447 ms

Below is generated by plot.py at 2018-05-30 11:37:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.46 Mbit/s
95th percentile per-packet one-way delay: 110.258 ms
Loss rate: 6.20%
-- Flow 1:
Average throughput: 70.46 Mbit/s
95th percentile per-packet one-way delay: 110.258 ms
Loss rate: 6.20%

Run 3: Report of Copa — Data Link

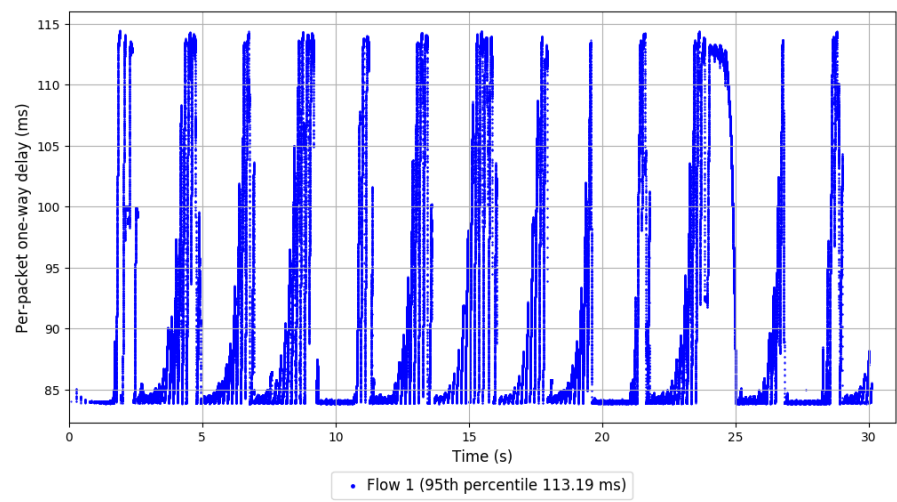
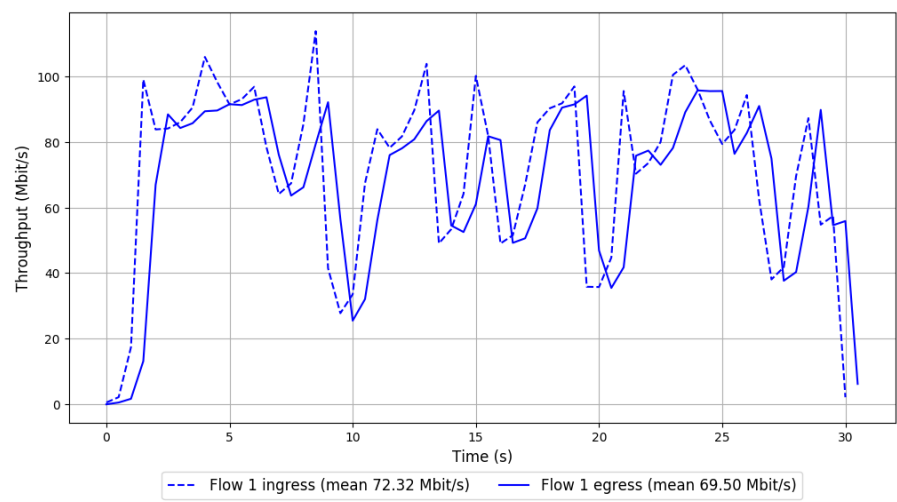


Run 4: Statistics of Copa

Start at: 2018-05-30 09:23:49
End at: 2018-05-30 09:24:19
Local clock offset: -1.007 ms
Remote clock offset: 17.396 ms

Below is generated by plot.py at 2018-05-30 11:37:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 113.192 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 113.192 ms
Loss rate: 3.89%

Run 4: Report of Copa — Data Link

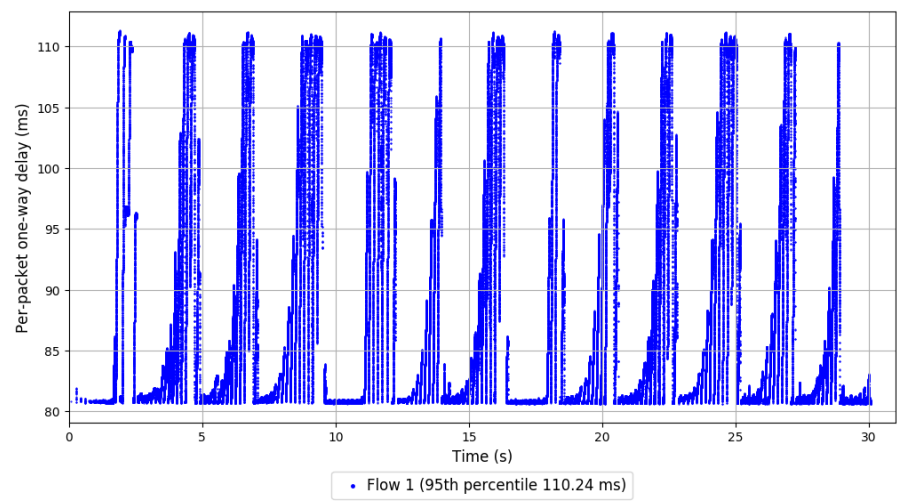
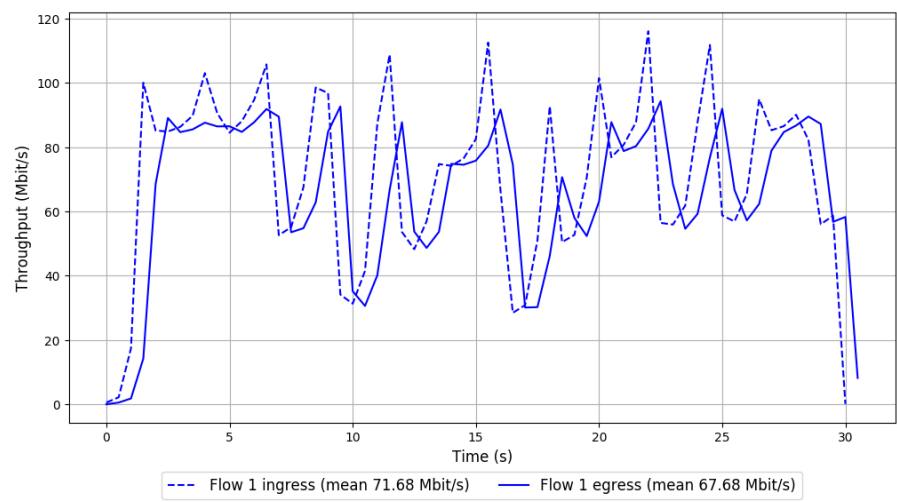


Run 5: Statistics of Copa

Start at: 2018-05-30 09:42:30
End at: 2018-05-30 09:43:00
Local clock offset: -0.542 ms
Remote clock offset: 16.01 ms

Below is generated by plot.py at 2018-05-30 11:37:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 110.240 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 110.240 ms
Loss rate: 5.58%

Run 5: Report of Copa — Data Link

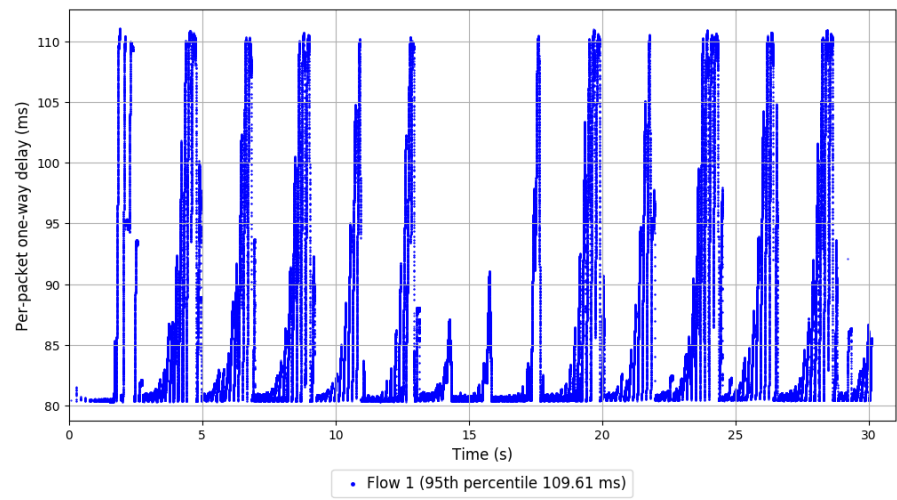
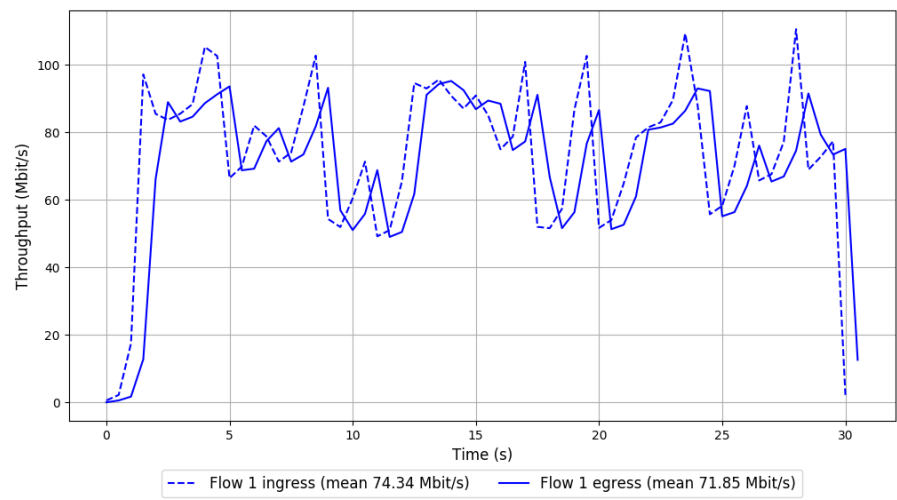


Run 6: Statistics of Copa

Start at: 2018-05-30 10:01:09
End at: 2018-05-30 10:01:39
Local clock offset: -0.814 ms
Remote clock offset: 10.197 ms

Below is generated by plot.py at 2018-05-30 11:37:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 109.614 ms
Loss rate: 3.34%
-- Flow 1:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 109.614 ms
Loss rate: 3.34%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-30 10:19:47

End at: 2018-05-30 10:20:17

Local clock offset: -1.947 ms

Remote clock offset: 8.907 ms

Below is generated by plot.py at 2018-05-30 11:38:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 109.444 ms

Loss rate: 3.85%

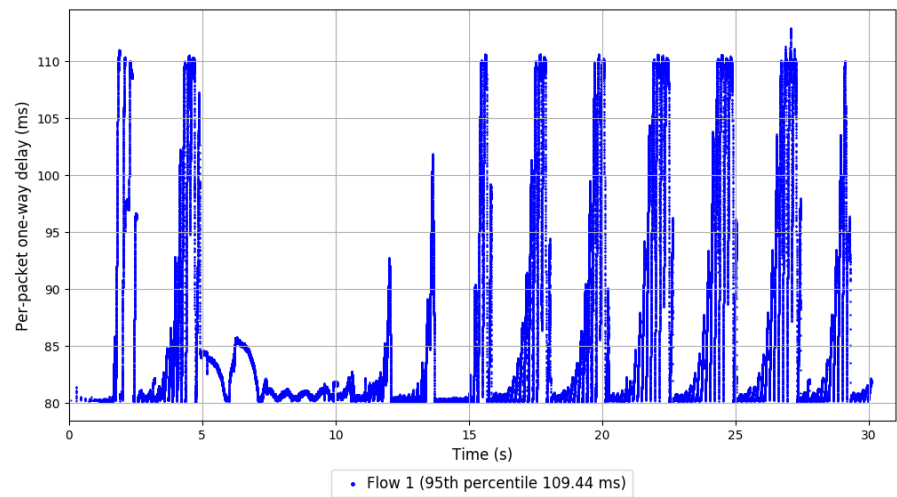
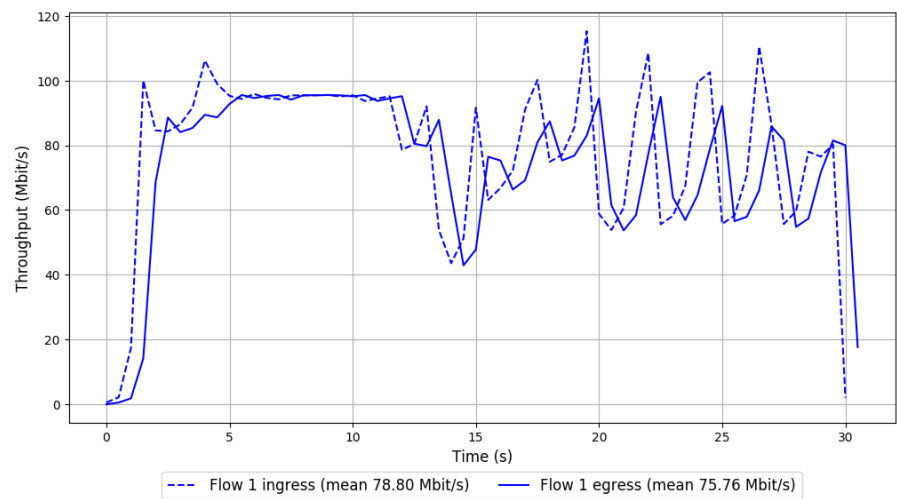
-- Flow 1:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 109.444 ms

Loss rate: 3.85%

Run 7: Report of Copa — Data Link

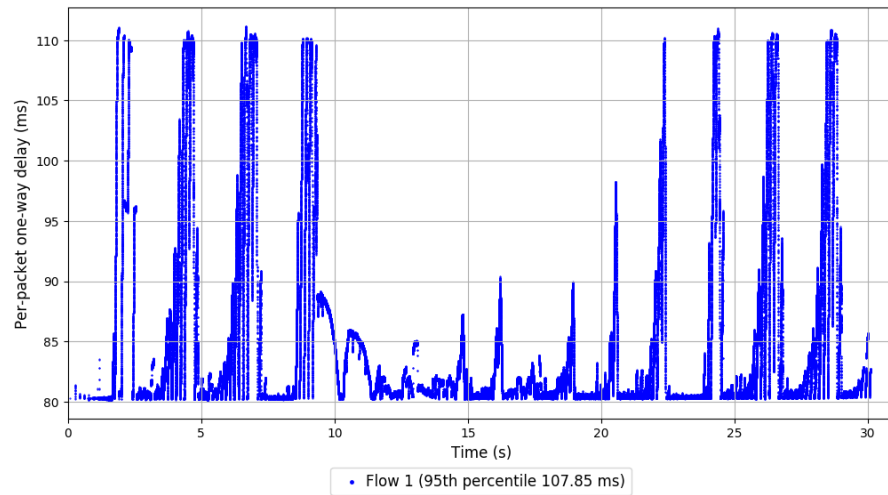
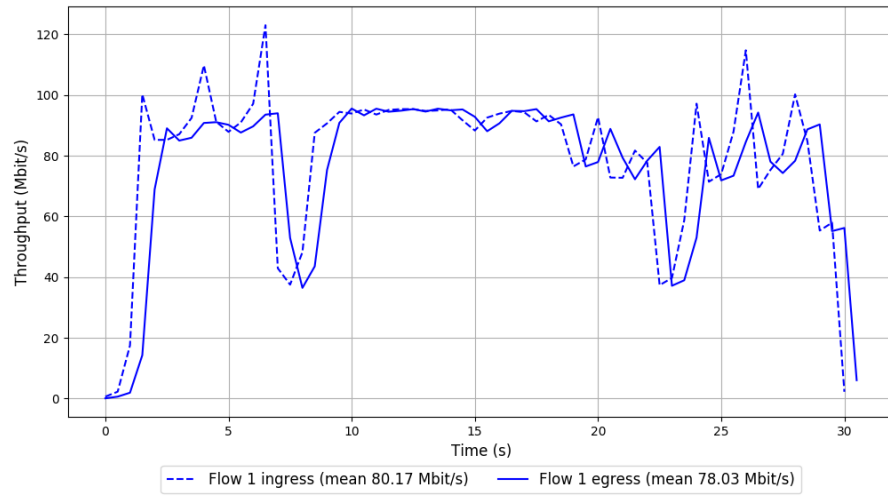


Run 8: Statistics of Copa

Start at: 2018-05-30 10:38:34
End at: 2018-05-30 10:39:04
Local clock offset: -3.672 ms
Remote clock offset: 2.284 ms

Below is generated by plot.py at 2018-05-30 11:38:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 107.849 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 107.849 ms
Loss rate: 2.66%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-30 10:57:16

End at: 2018-05-30 10:57:46

Local clock offset: -1.446 ms

Remote clock offset: 5.459 ms

Below is generated by plot.py at 2018-05-30 11:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.43 Mbit/s

95th percentile per-packet one-way delay: 114.391 ms

Loss rate: 4.36%

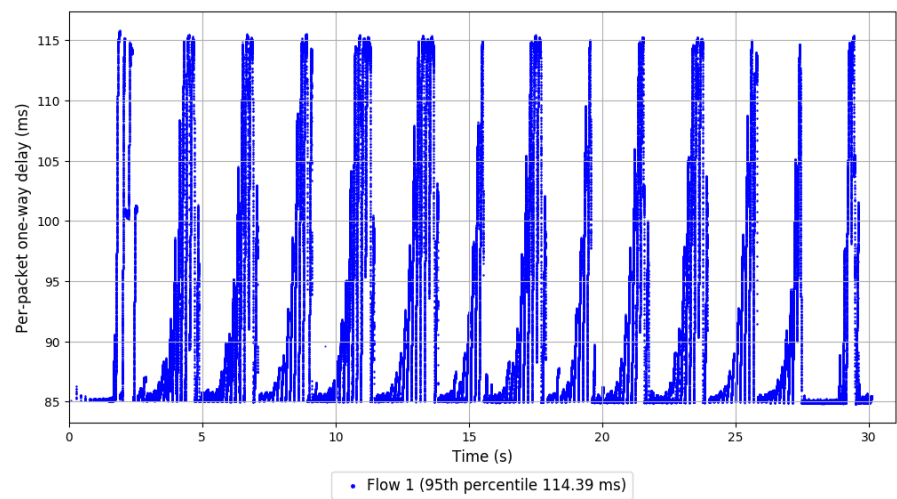
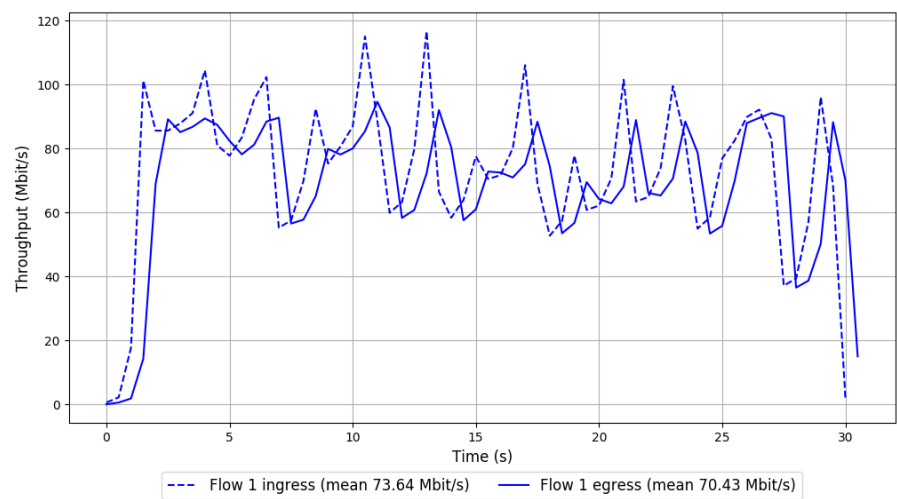
-- Flow 1:

Average throughput: 70.43 Mbit/s

95th percentile per-packet one-way delay: 114.391 ms

Loss rate: 4.36%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-30 11:15:55

End at: 2018-05-30 11:16:25

Local clock offset: -5.574 ms

Remote clock offset: 3.222 ms

Below is generated by plot.py at 2018-05-30 11:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.22 Mbit/s

95th percentile per-packet one-way delay: 109.981 ms

Loss rate: 3.86%

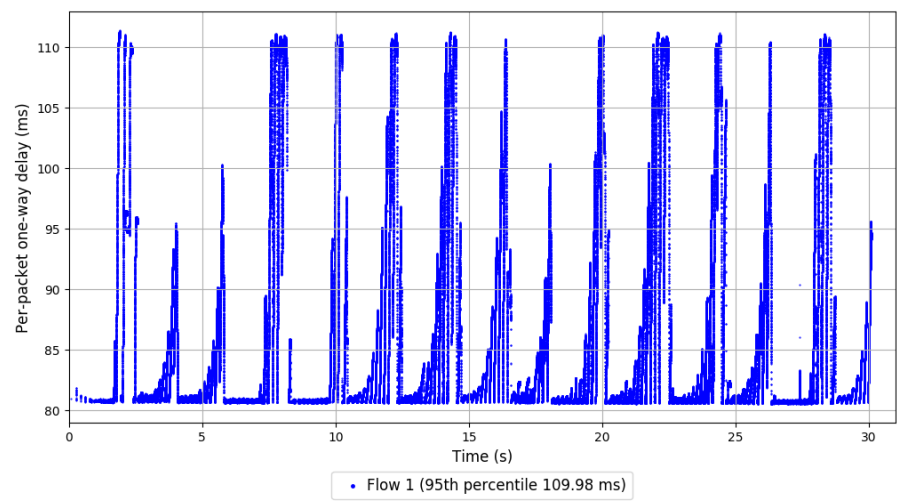
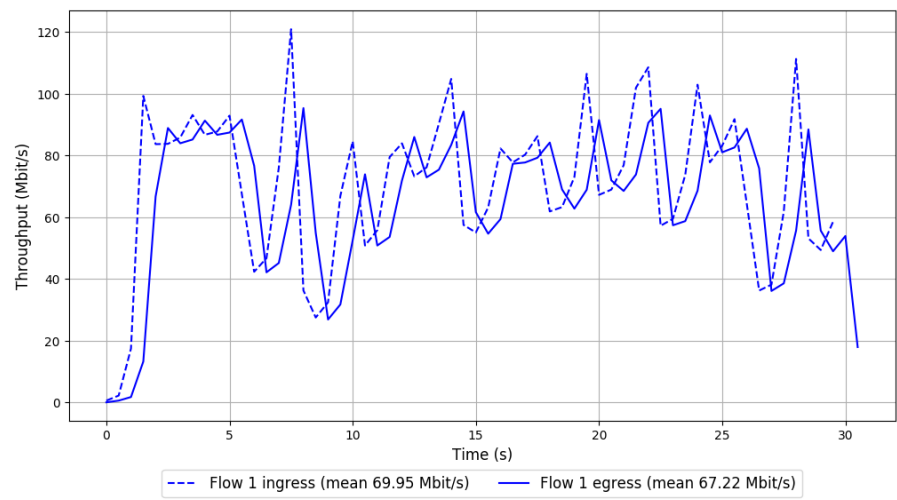
-- Flow 1:

Average throughput: 67.22 Mbit/s

95th percentile per-packet one-way delay: 109.981 ms

Loss rate: 3.86%

Run 10: Report of Copa — Data Link

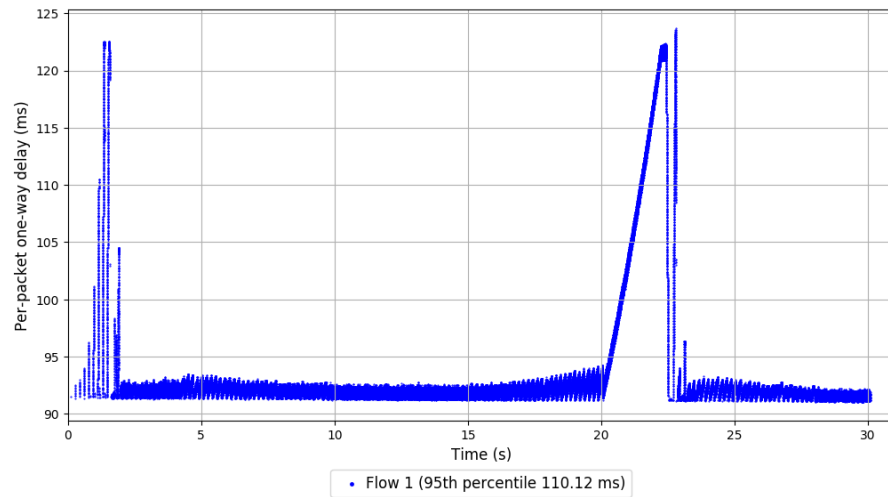
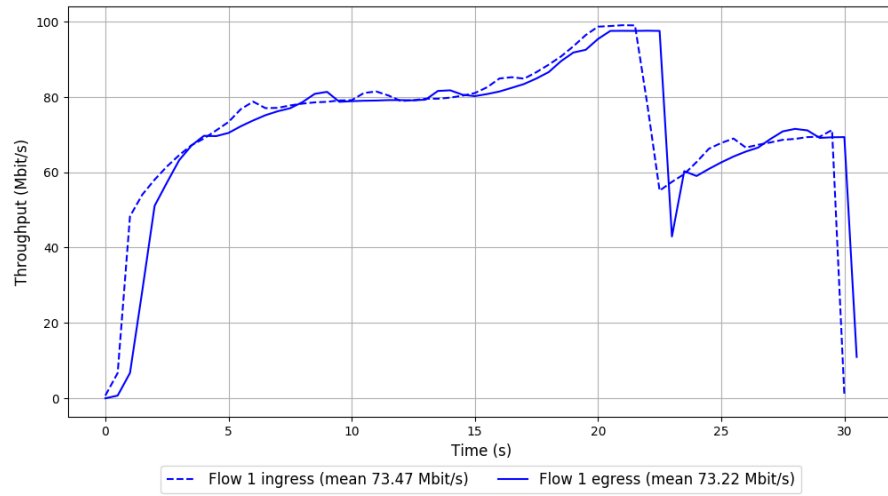


Run 1: Statistics of TCP Cubic

Start at: 2018-05-30 08:41:52
End at: 2018-05-30 08:42:22
Local clock offset: -0.851 ms
Remote clock offset: 10.319 ms

Below is generated by plot.py at 2018-05-30 11:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.22 Mbit/s
95th percentile per-packet one-way delay: 110.122 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 73.22 Mbit/s
95th percentile per-packet one-way delay: 110.122 ms
Loss rate: 0.36%

Run 1: Report of TCP Cubic — Data Link

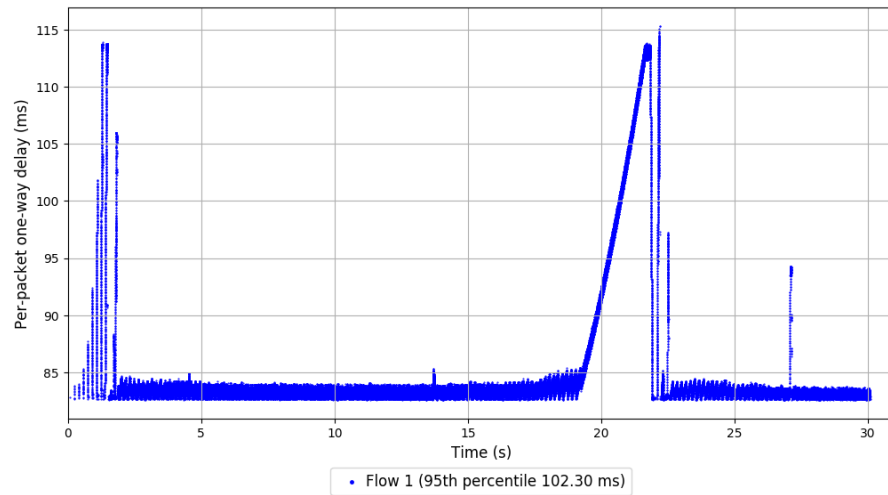
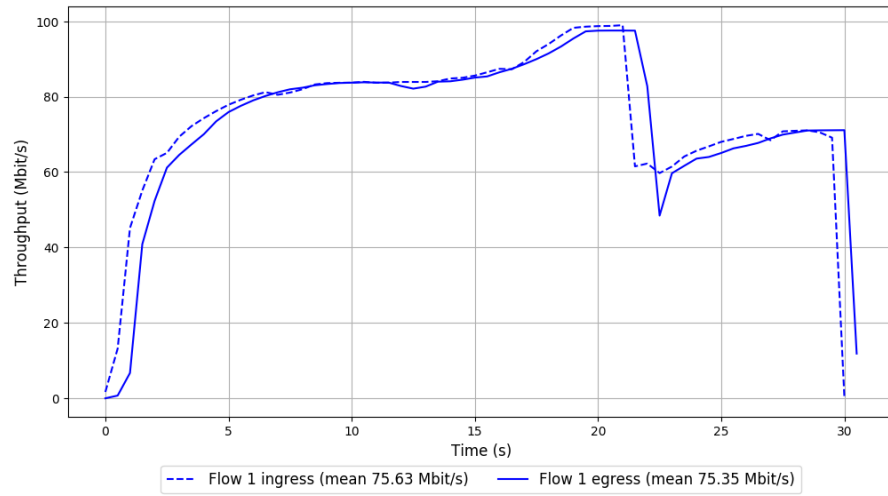


Run 2: Statistics of TCP Cubic

Start at: 2018-05-30 09:00:33
End at: 2018-05-30 09:01:03
Local clock offset: 0.434 ms
Remote clock offset: 15.797 ms

Below is generated by plot.py at 2018-05-30 11:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.35 Mbit/s
95th percentile per-packet one-way delay: 102.298 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 75.35 Mbit/s
95th percentile per-packet one-way delay: 102.298 ms
Loss rate: 0.38%

Run 2: Report of TCP Cubic — Data Link

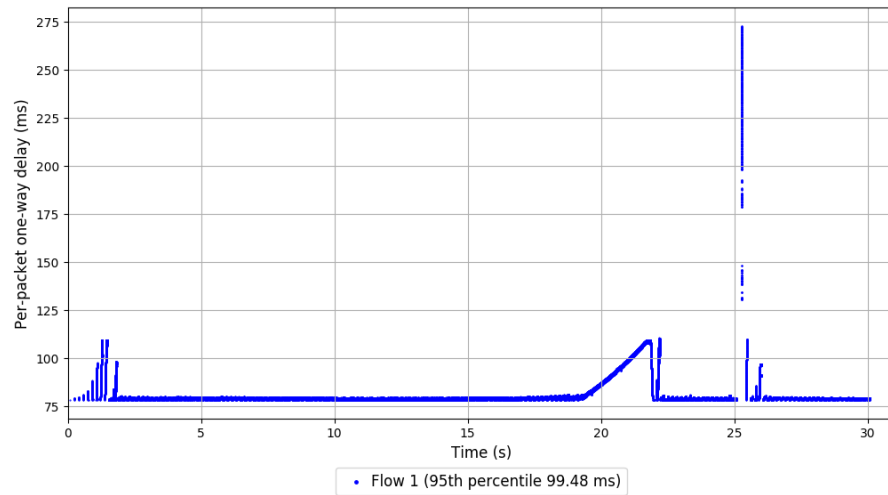
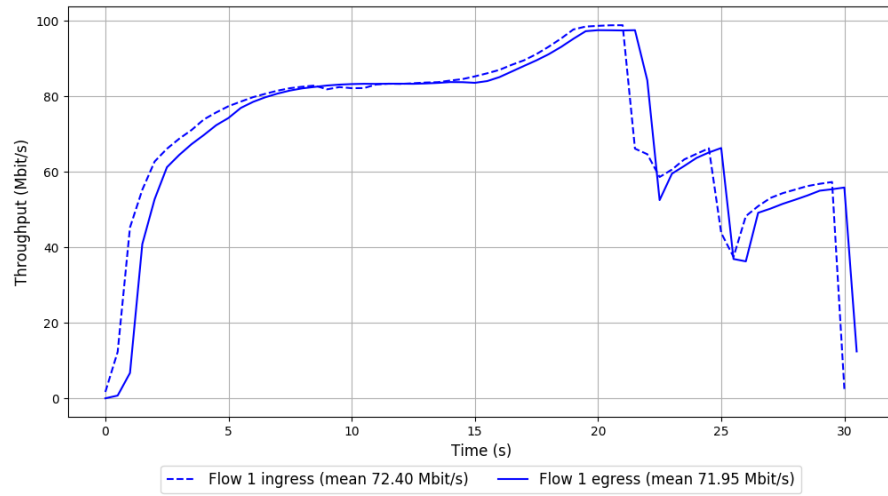


Run 3: Statistics of TCP Cubic

Start at: 2018-05-30 09:19:12
End at: 2018-05-30 09:19:42
Local clock offset: -0.983 ms
Remote clock offset: 13.059 ms

Below is generated by plot.py at 2018-05-30 11:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.95 Mbit/s
95th percentile per-packet one-way delay: 99.478 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 71.95 Mbit/s
95th percentile per-packet one-way delay: 99.478 ms
Loss rate: 0.61%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-30 09:37:52

End at: 2018-05-30 09:38:22

Local clock offset: -0.941 ms

Remote clock offset: 15.63 ms

Below is generated by plot.py at 2018-05-30 11:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.04 Mbit/s

95th percentile per-packet one-way delay: 98.835 ms

Loss rate: 0.34%

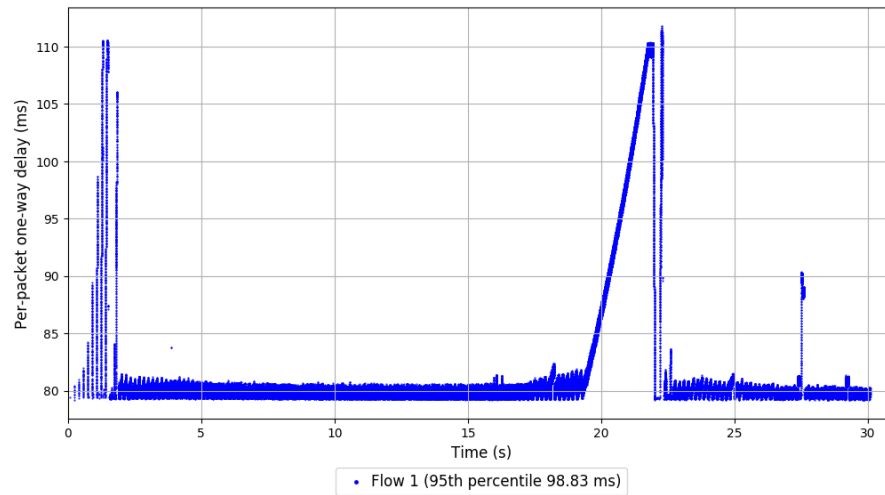
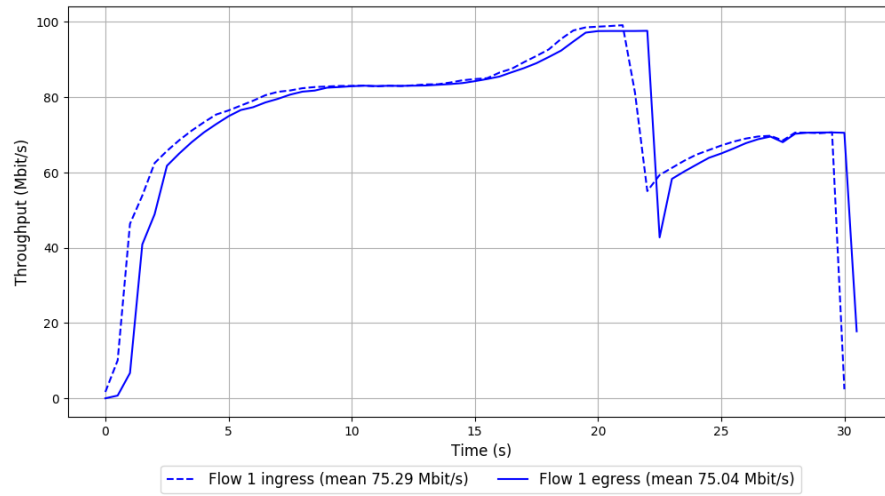
-- Flow 1:

Average throughput: 75.04 Mbit/s

95th percentile per-packet one-way delay: 98.835 ms

Loss rate: 0.34%

Run 4: Report of TCP Cubic — Data Link

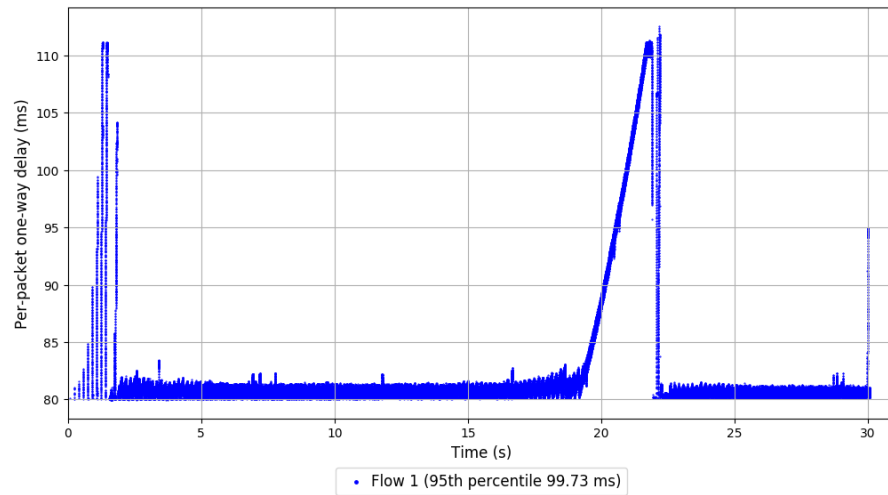
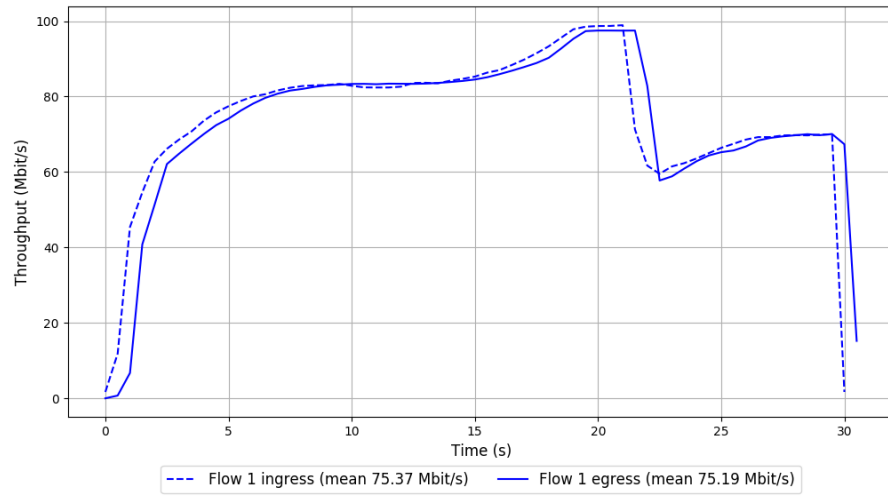


Run 5: Statistics of TCP Cubic

Start at: 2018-05-30 09:56:31
End at: 2018-05-30 09:57:01
Local clock offset: -0.839 ms
Remote clock offset: 12.277 ms

Below is generated by plot.py at 2018-05-30 11:38:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 99.735 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 99.735 ms
Loss rate: 0.25%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-30 10:15:10

End at: 2018-05-30 10:15:40

Local clock offset: -2.563 ms

Remote clock offset: 9.265 ms

Below is generated by plot.py at 2018-05-30 11:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.60 Mbit/s

95th percentile per-packet one-way delay: 99.028 ms

Loss rate: 0.32%

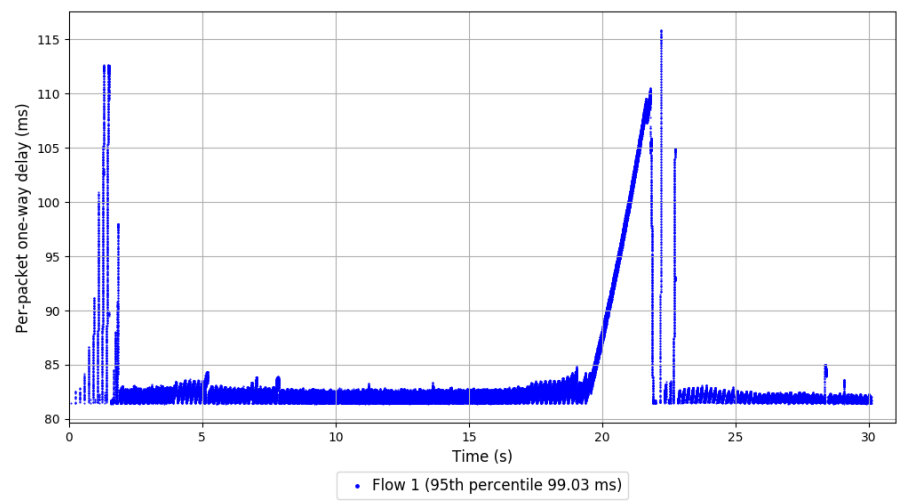
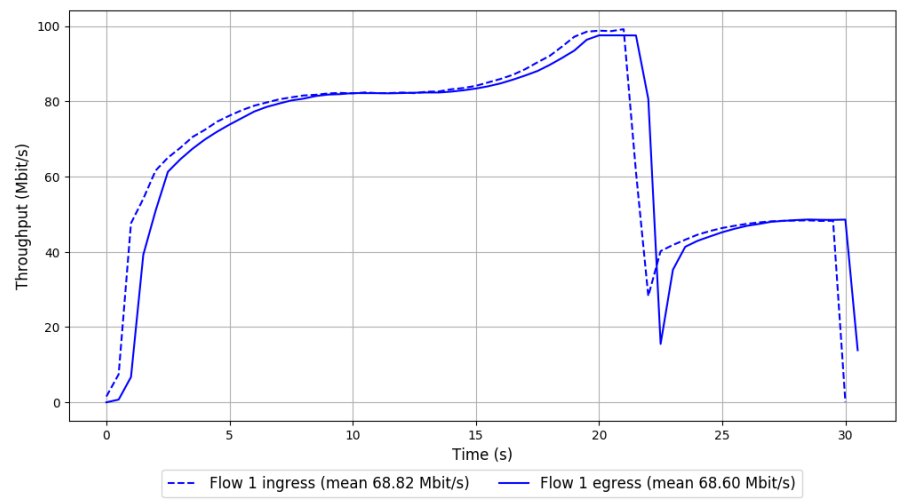
-- Flow 1:

Average throughput: 68.60 Mbit/s

95th percentile per-packet one-way delay: 99.028 ms

Loss rate: 0.32%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-30 10:33:56

End at: 2018-05-30 10:34:26

Local clock offset: -3.016 ms

Remote clock offset: 3.204 ms

Below is generated by plot.py at 2018-05-30 11:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.58 Mbit/s

95th percentile per-packet one-way delay: 98.977 ms

Loss rate: 0.31%

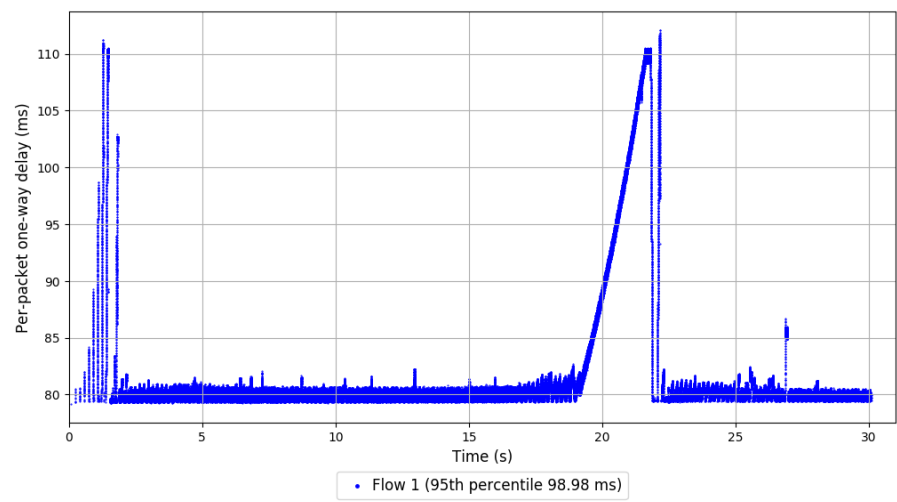
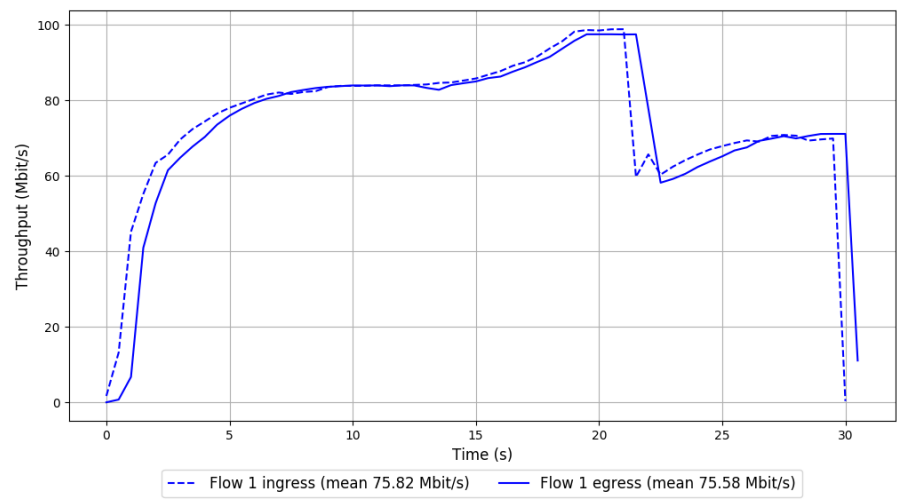
-- Flow 1:

Average throughput: 75.58 Mbit/s

95th percentile per-packet one-way delay: 98.977 ms

Loss rate: 0.31%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-30 10:52:39

End at: 2018-05-30 10:53:09

Local clock offset: -1.52 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2018-05-30 11:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.30 Mbit/s

95th percentile per-packet one-way delay: 98.138 ms

Loss rate: 0.60%

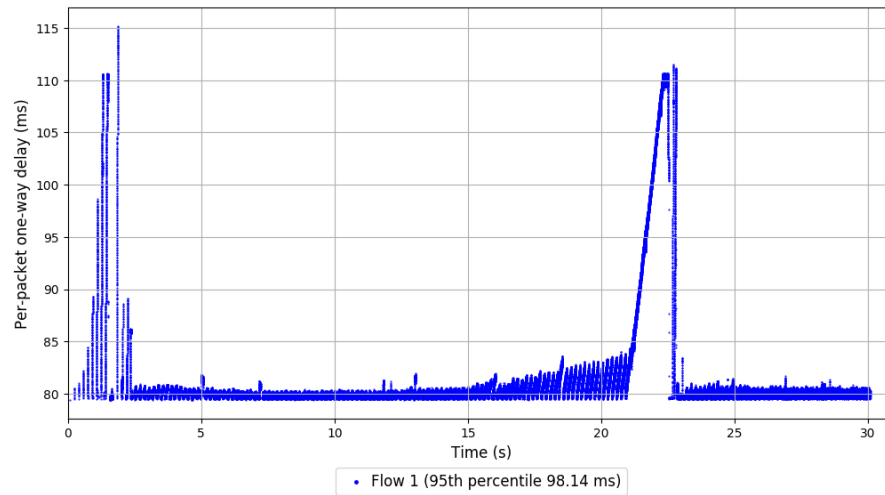
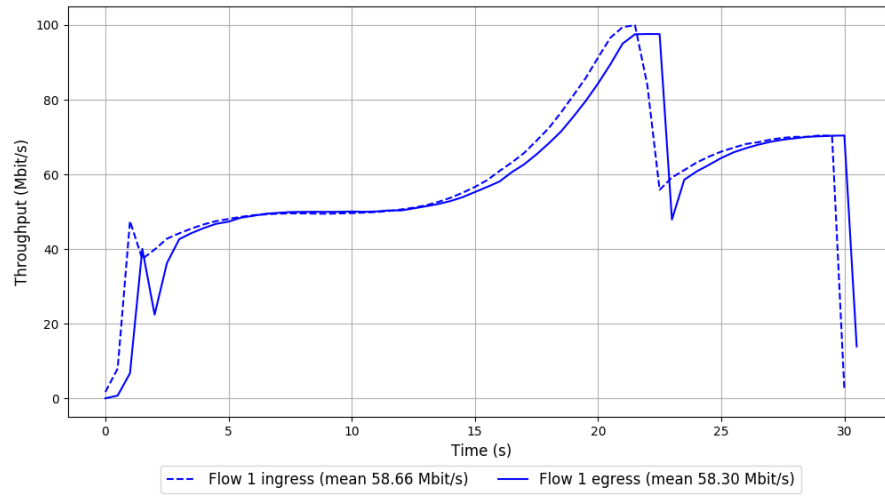
-- Flow 1:

Average throughput: 58.30 Mbit/s

95th percentile per-packet one-way delay: 98.138 ms

Loss rate: 0.60%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-30 11:11:19

End at: 2018-05-30 11:11:49

Local clock offset: -5.081 ms

Remote clock offset: 3.181 ms

Below is generated by plot.py at 2018-05-30 11:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 102.724 ms

Loss rate: 0.86%

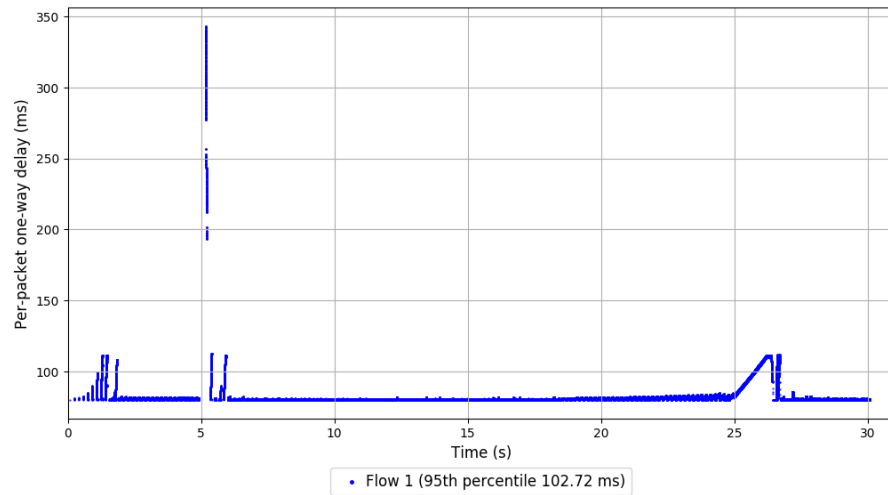
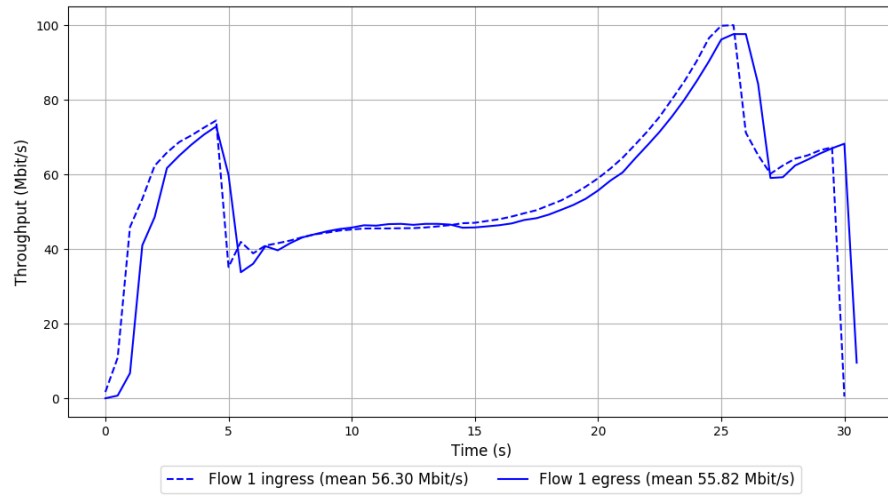
-- Flow 1:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 102.724 ms

Loss rate: 0.86%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-30 11:30:04

End at: 2018-05-30 11:30:34

Local clock offset: -8.278 ms

Remote clock offset: 2.947 ms

Below is generated by plot.py at 2018-05-30 11:39:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.55 Mbit/s

95th percentile per-packet one-way delay: 100.424 ms

Loss rate: 0.34%

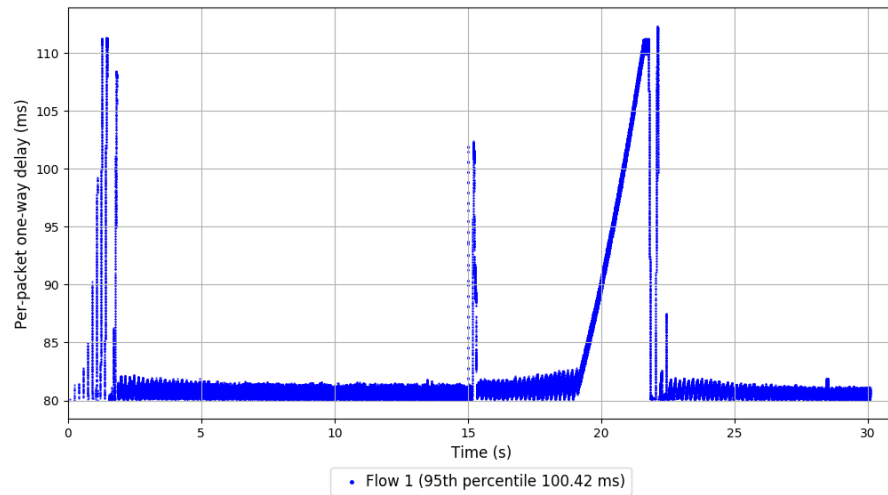
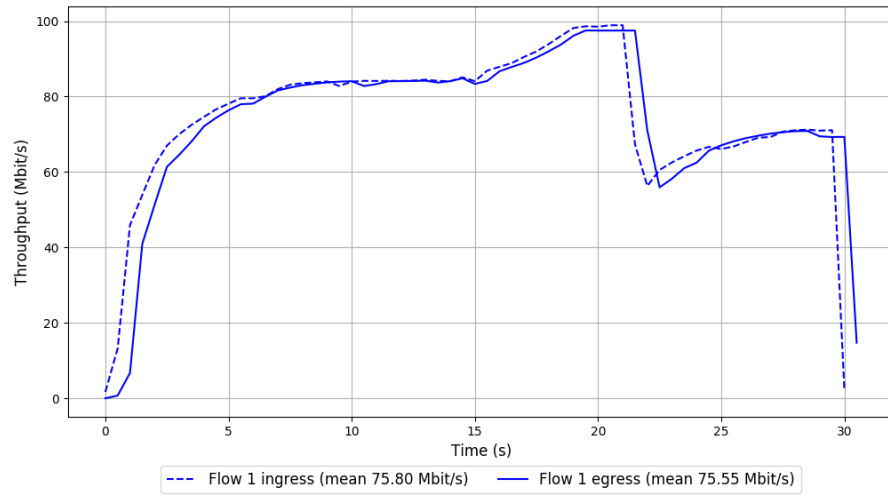
-- Flow 1:

Average throughput: 75.55 Mbit/s

95th percentile per-packet one-way delay: 100.424 ms

Loss rate: 0.34%

Run 10: Report of TCP Cubic — Data Link

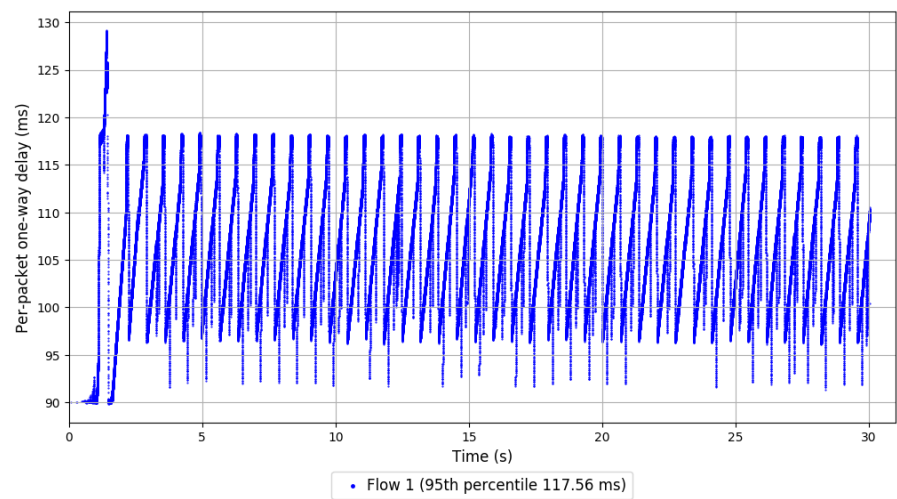
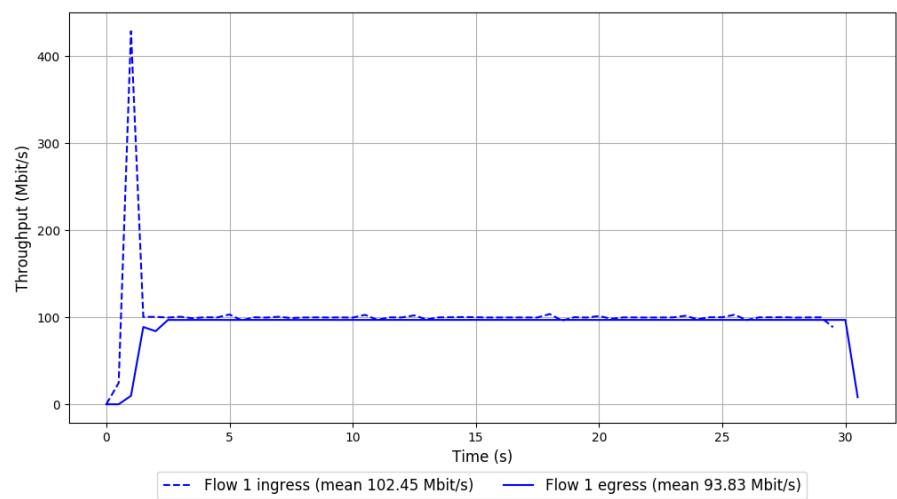


Run 1: Statistics of FillP

Start at: 2018-05-30 08:43:02
End at: 2018-05-30 08:43:32
Local clock offset: -0.111 ms
Remote clock offset: 10.306 ms

Below is generated by plot.py at 2018-05-30 11:40:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 117.557 ms
Loss rate: 8.39%
-- Flow 1:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 117.557 ms
Loss rate: 8.39%

Run 1: Report of FillP — Data Link

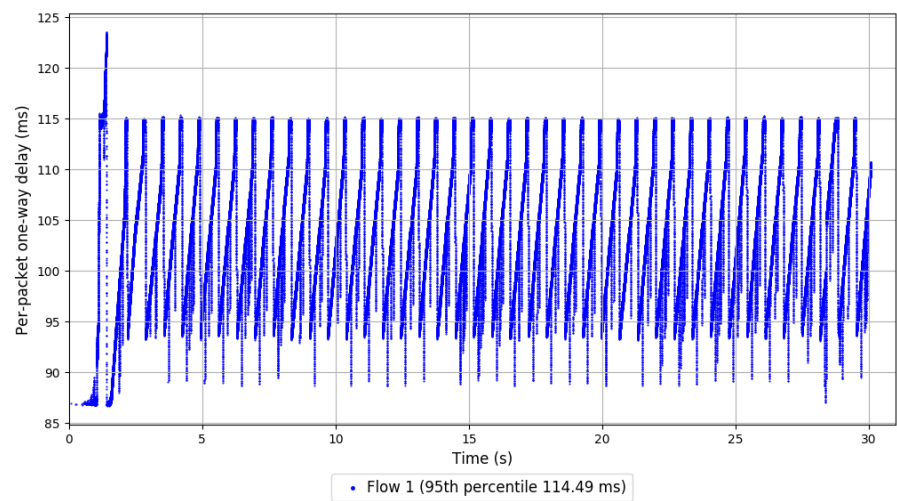
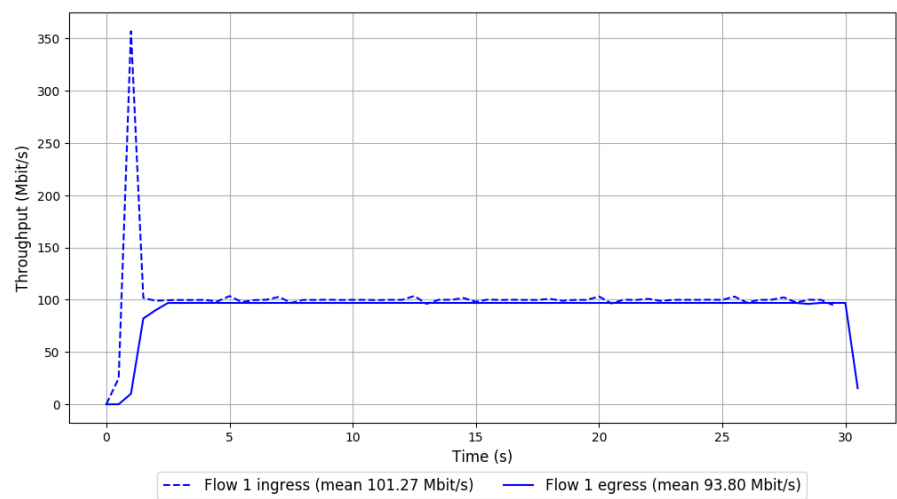


Run 2: Statistics of FillP

Start at: 2018-05-30 09:01:43
End at: 2018-05-30 09:02:13
Local clock offset: -0.275 ms
Remote clock offset: 11.884 ms

Below is generated by plot.py at 2018-05-30 11:40:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 114.487 ms
Loss rate: 7.31%
-- Flow 1:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 114.487 ms
Loss rate: 7.31%

Run 2: Report of FillP — Data Link

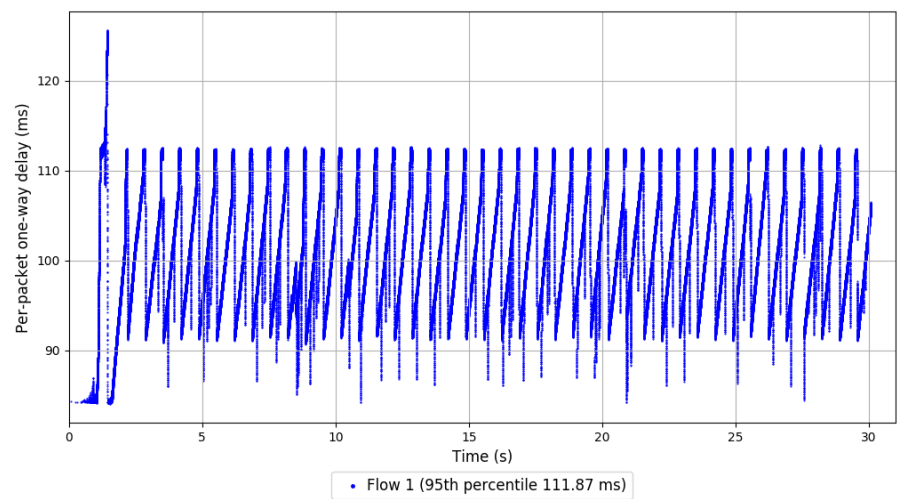
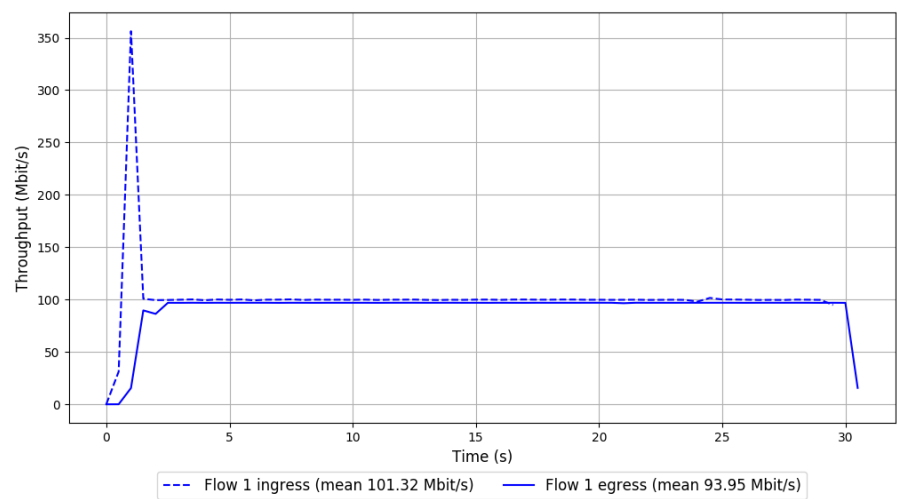


Run 3: Statistics of FillP

Start at: 2018-05-30 09:20:23
End at: 2018-05-30 09:20:53
Local clock offset: -0.222 ms
Remote clock offset: 18.151 ms

Below is generated by plot.py at 2018-05-30 11:40:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 111.874 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 111.874 ms
Loss rate: 7.21%

Run 3: Report of FillP — Data Link

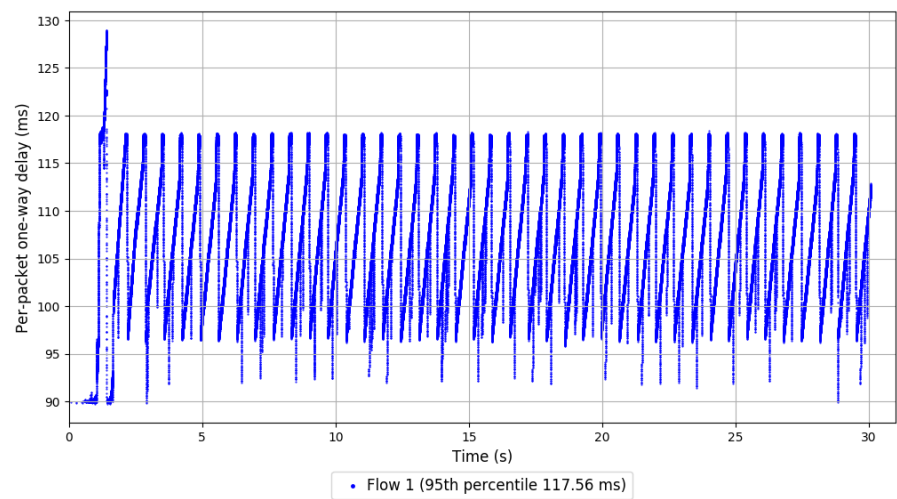
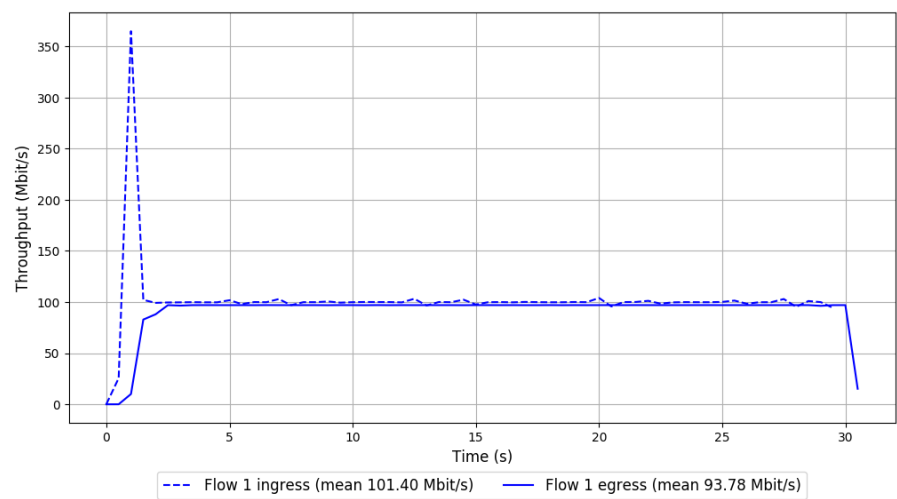


Run 4: Statistics of FillP

Start at: 2018-05-30 09:39:03
End at: 2018-05-30 09:39:33
Local clock offset: -0.293 ms
Remote clock offset: 19.765 ms

Below is generated by plot.py at 2018-05-30 11:40:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 117.564 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 117.564 ms
Loss rate: 7.47%

Run 4: Report of FillP — Data Link

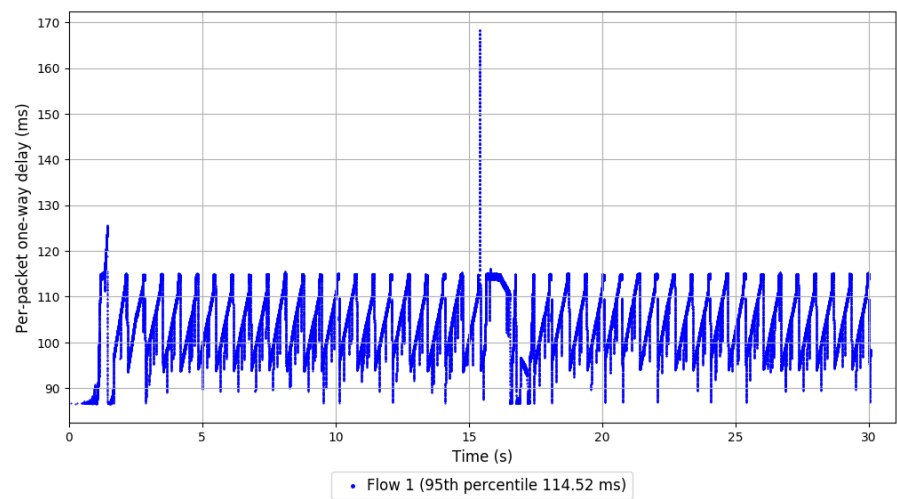
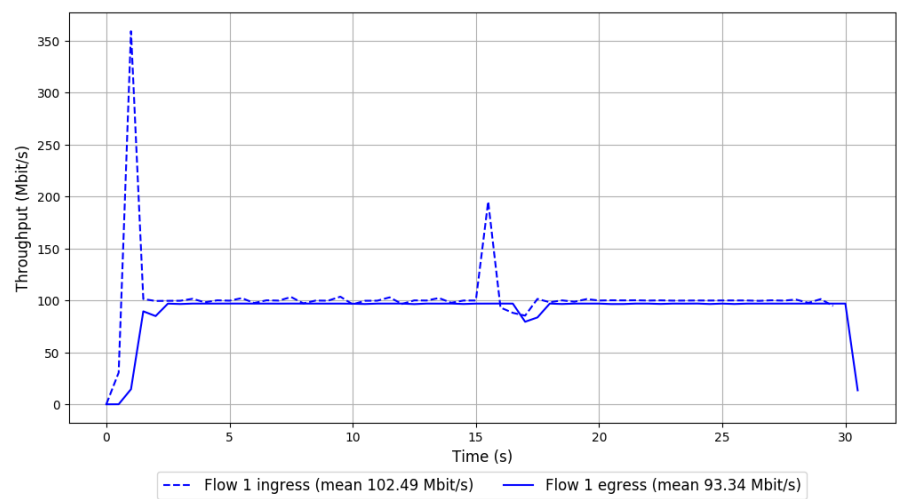


Run 5: Statistics of FillP

Start at: 2018-05-30 09:57:42
End at: 2018-05-30 09:58:12
Local clock offset: -2.436 ms
Remote clock offset: 16.874 ms

Below is generated by plot.py at 2018-05-30 11:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 114.522 ms
Loss rate: 8.89%
-- Flow 1:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 114.522 ms
Loss rate: 8.89%

Run 5: Report of FillP — Data Link

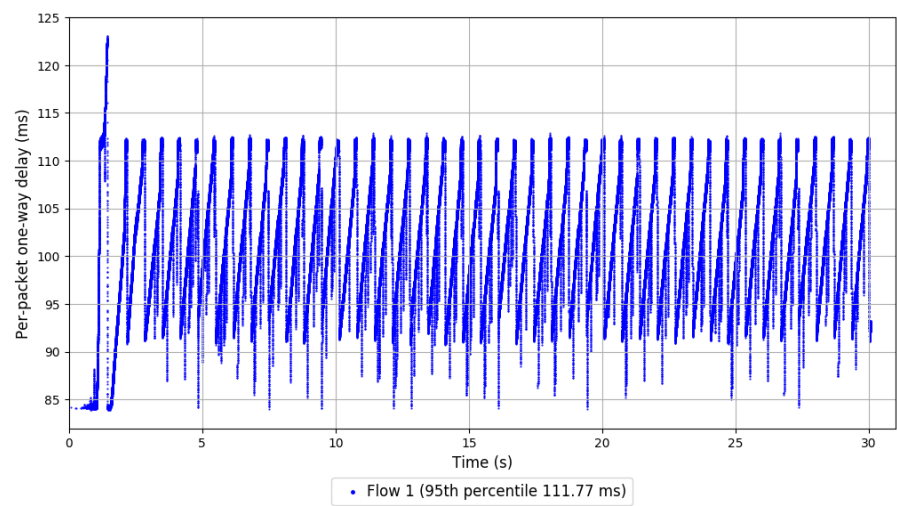
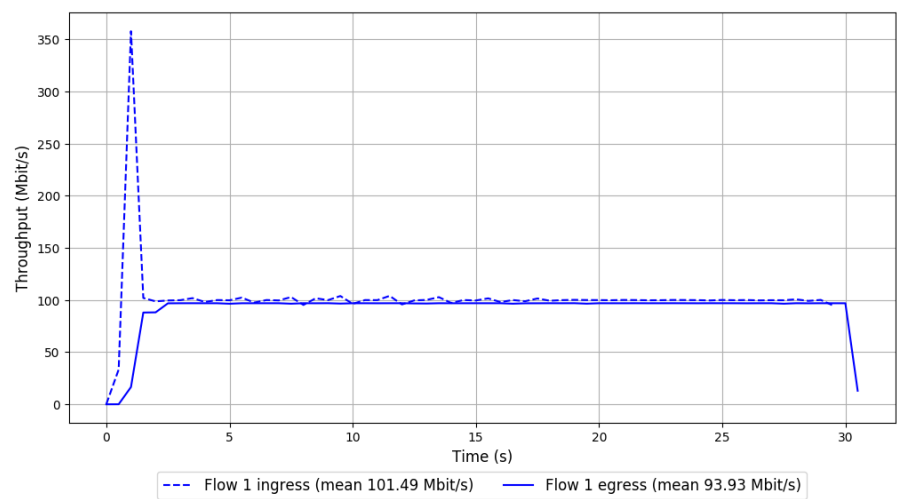


Run 6: Statistics of FillP

Start at: 2018-05-30 10:16:20
End at: 2018-05-30 10:16:50
Local clock offset: -1.8 ms
Remote clock offset: 13.146 ms

Below is generated by plot.py at 2018-05-30 11:40:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 7.42%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 7.42%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-30 10:35:07

End at: 2018-05-30 10:35:37

Local clock offset: -3.032 ms

Remote clock offset: 2.928 ms

Below is generated by plot.py at 2018-05-30 11:40:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.53 Mbit/s

95th percentile per-packet one-way delay: 107.695 ms

Loss rate: 7.43%

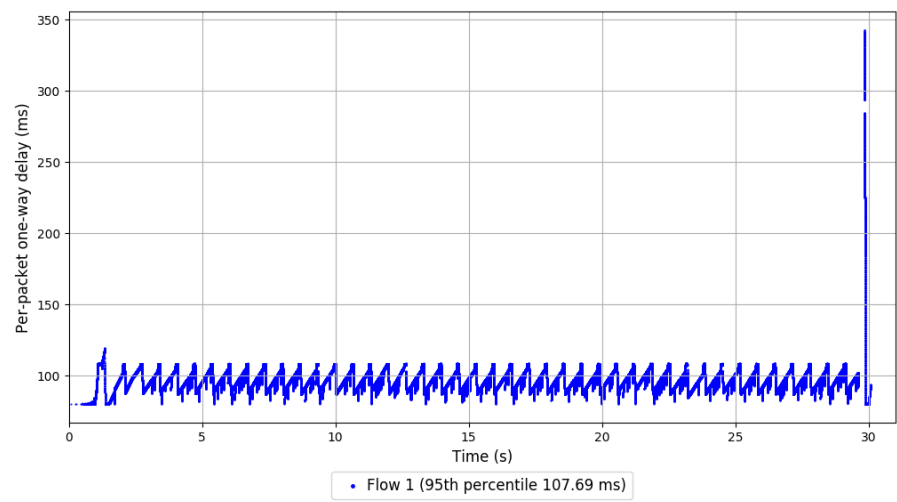
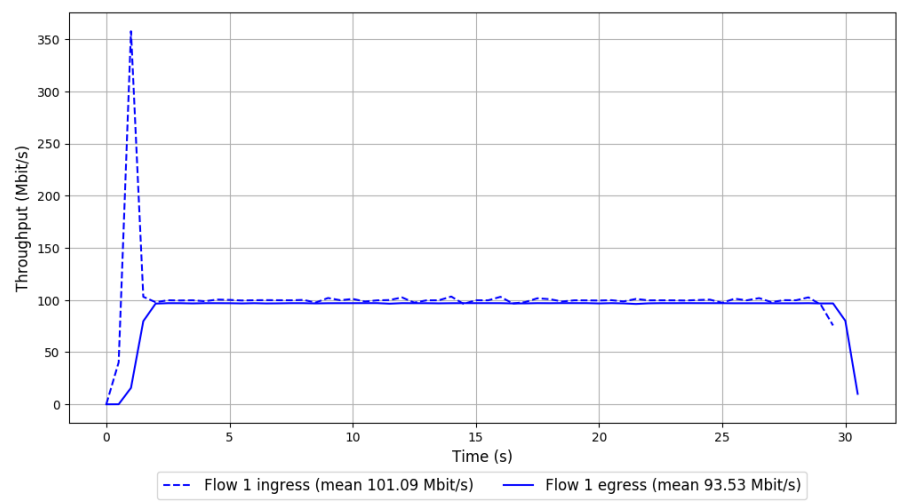
-- Flow 1:

Average throughput: 93.53 Mbit/s

95th percentile per-packet one-way delay: 107.695 ms

Loss rate: 7.43%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-30 10:53:49

End at: 2018-05-30 10:54:19

Local clock offset: -2.26 ms

Remote clock offset: 3.901 ms

Below is generated by plot.py at 2018-05-30 11:40:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.86 Mbit/s

95th percentile per-packet one-way delay: 109.848 ms

Loss rate: 7.11%

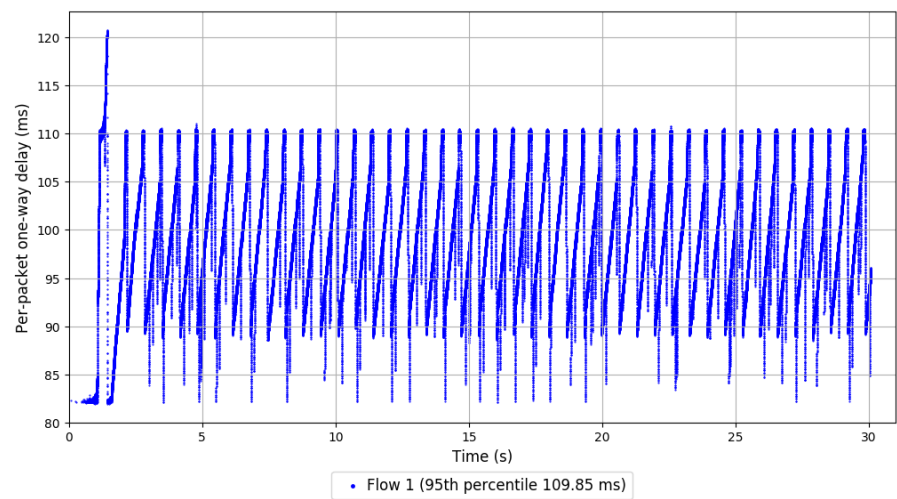
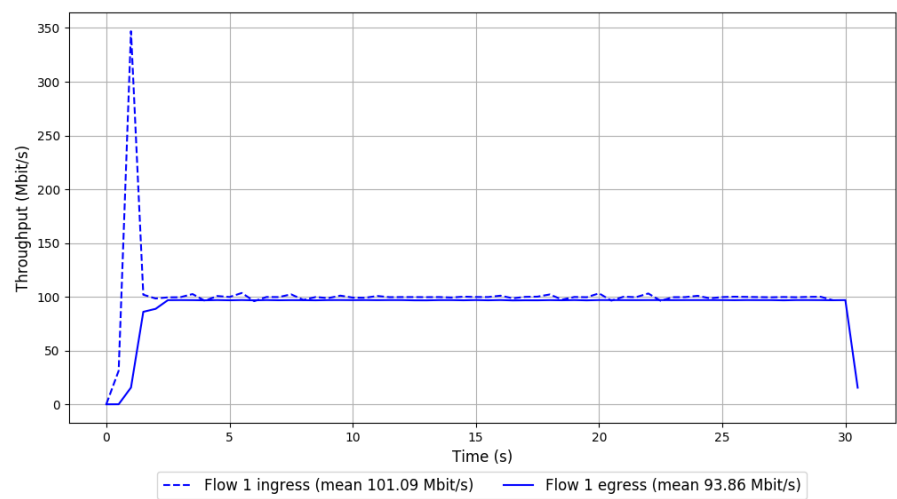
-- Flow 1:

Average throughput: 93.86 Mbit/s

95th percentile per-packet one-way delay: 109.848 ms

Loss rate: 7.11%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-30 11:12:28

End at: 2018-05-30 11:12:58

Local clock offset: -4.671 ms

Remote clock offset: 6.33 ms

Below is generated by plot.py at 2018-05-30 11:41:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.48 Mbit/s

95th percentile per-packet one-way delay: 111.635 ms

Loss rate: 13.34%

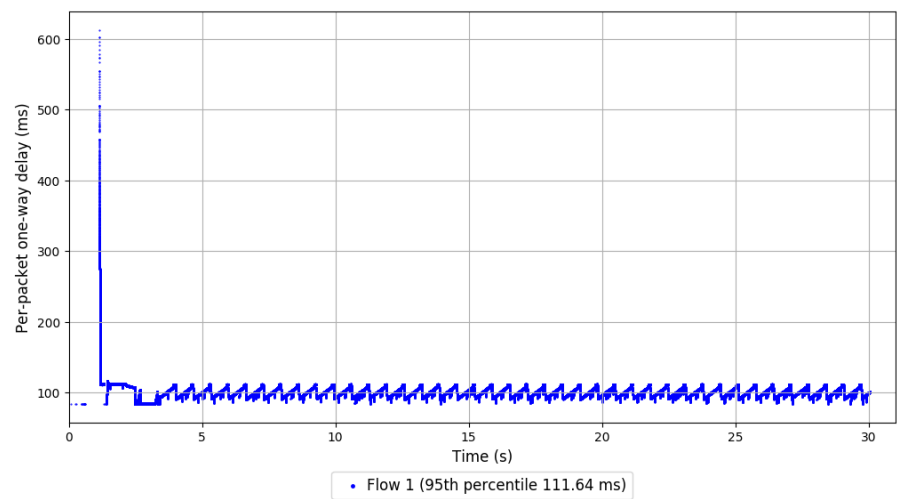
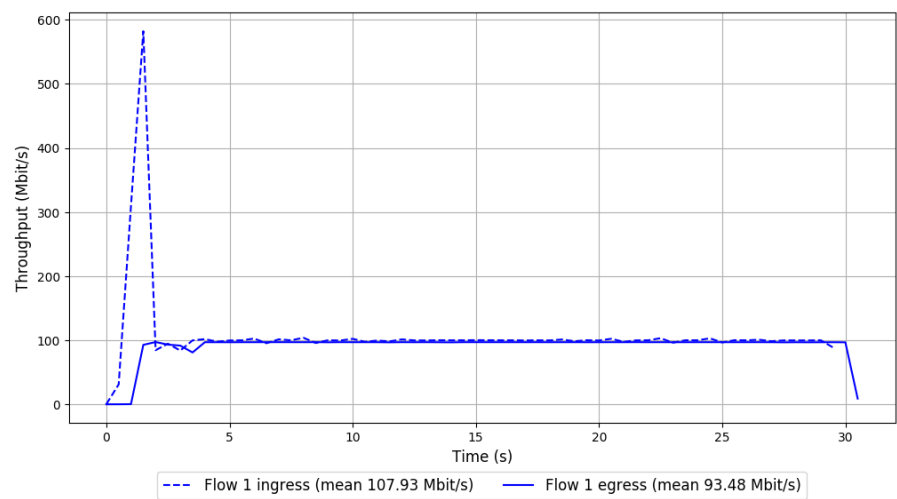
-- Flow 1:

Average throughput: 93.48 Mbit/s

95th percentile per-packet one-way delay: 111.635 ms

Loss rate: 13.34%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-30 11:31:14

End at: 2018-05-30 11:31:44

Local clock offset: -7.612 ms

Remote clock offset: 6.871 ms

Below is generated by plot.py at 2018-05-30 11:41:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 117.925 ms

Loss rate: 7.63%

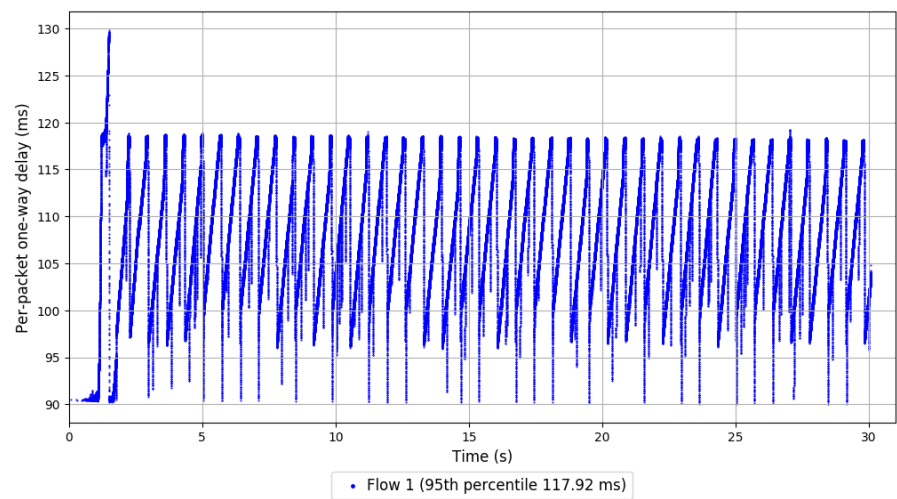
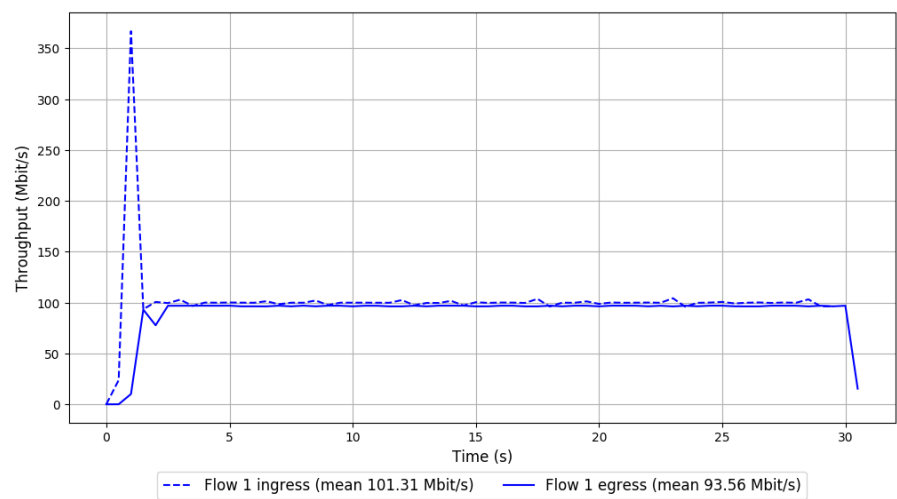
-- Flow 1:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 117.925 ms

Loss rate: 7.63%

Run 10: Report of FillP — Data Link

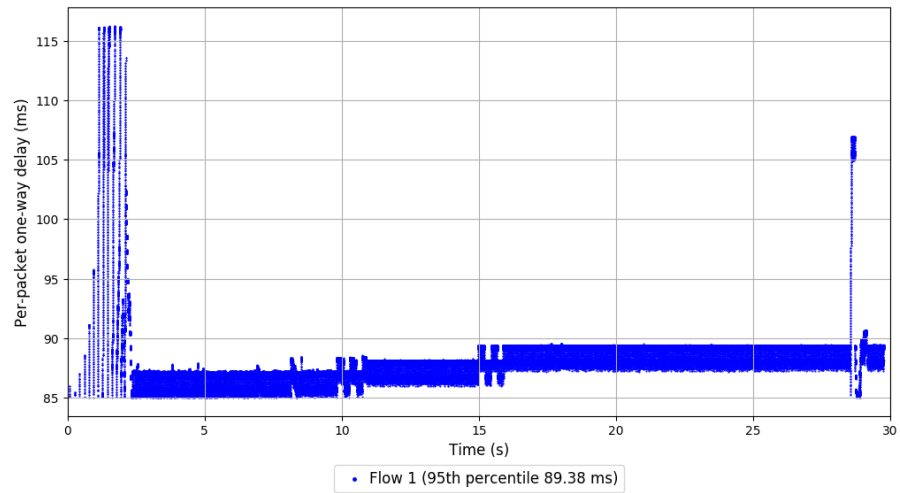
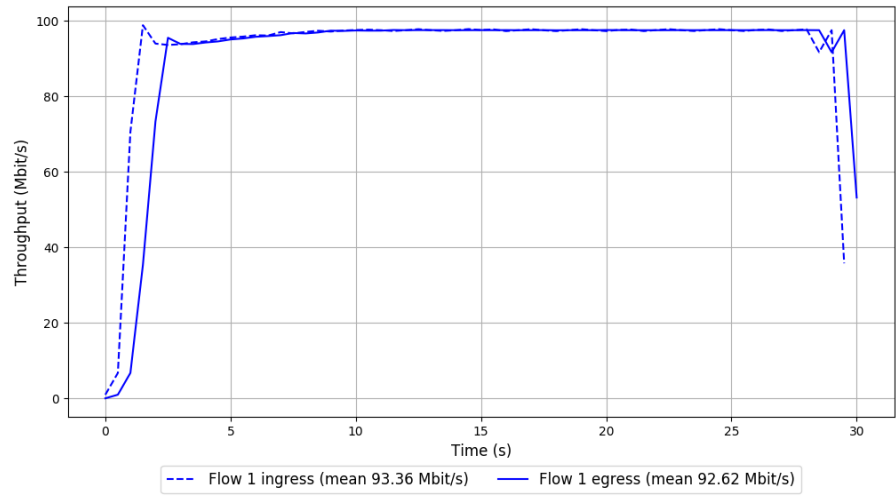


```
Run 1: Statistics of Indigo

Start at: 2018-05-30 08:29:00
End at: 2018-05-30 08:29:30
Local clock offset: -1.204 ms
Remote clock offset: 8.625 ms

# Below is generated by plot.py at 2018-05-30 11:41:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 89.381 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 89.381 ms
Loss rate: 0.77%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-30 08:47:42

End at: 2018-05-30 08:48:12

Local clock offset: -0.93 ms

Remote clock offset: 12.36 ms

Below is generated by plot.py at 2018-05-30 11:41:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.59 Mbit/s

95th percentile per-packet one-way delay: 90.084 ms

Loss rate: 0.78%

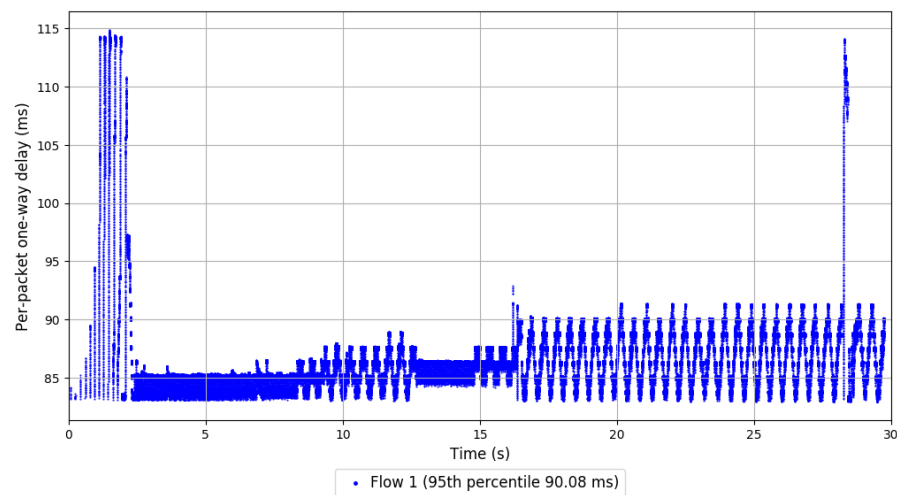
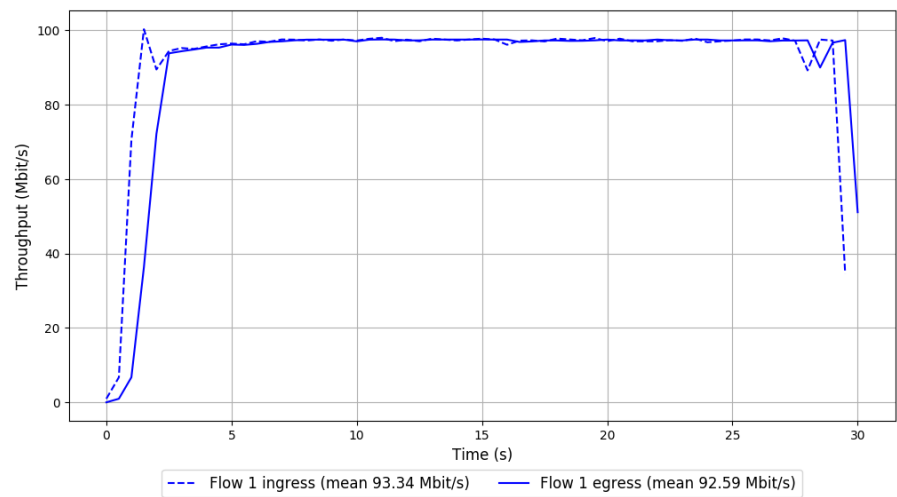
-- Flow 1:

Average throughput: 92.59 Mbit/s

95th percentile per-packet one-way delay: 90.084 ms

Loss rate: 0.78%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-30 09:06:23

End at: 2018-05-30 09:06:53

Local clock offset: 0.006 ms

Remote clock offset: 15.681 ms

Below is generated by plot.py at 2018-05-30 11:41:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.15 Mbit/s

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

Loss rate: 1.08%

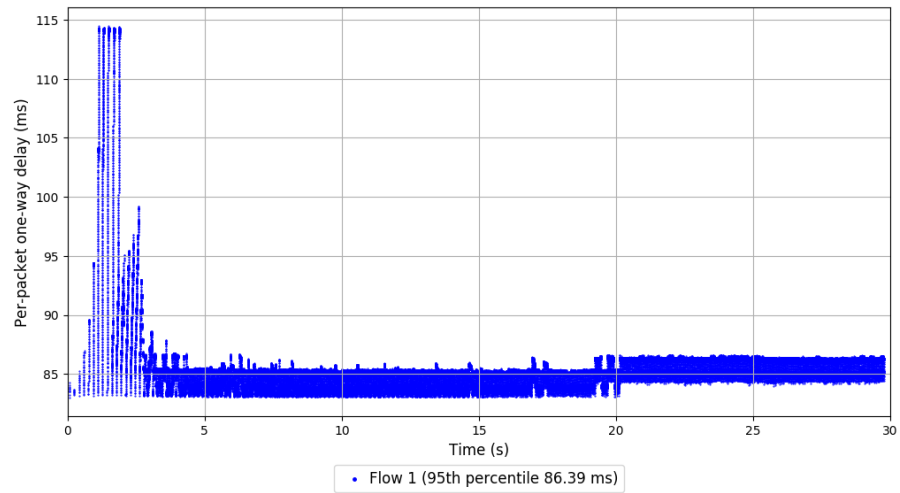
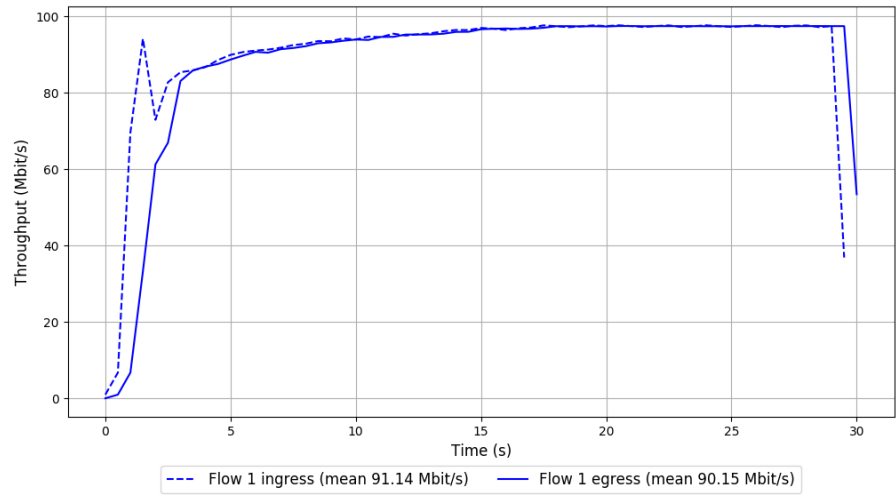
-- Flow 1:

Average throughput: 90.15 Mbit/s

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

Loss rate: 1.08%

Run 3: Report of Indigo — Data Link

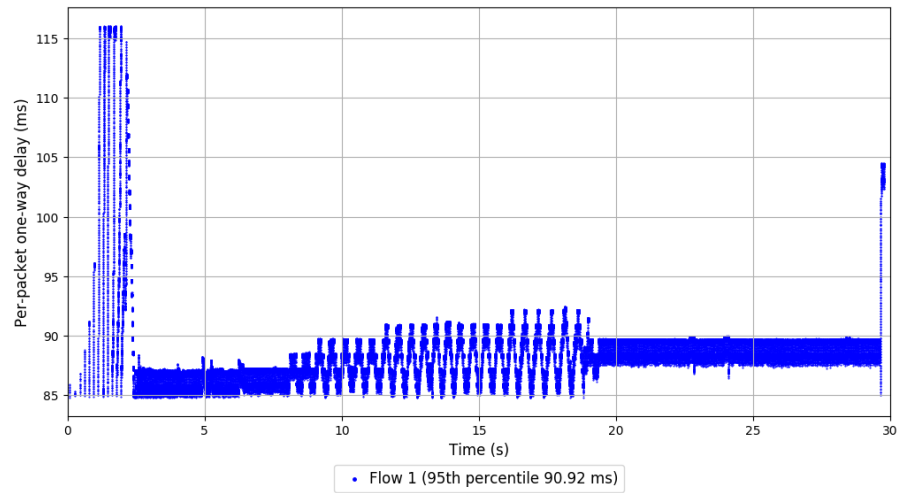
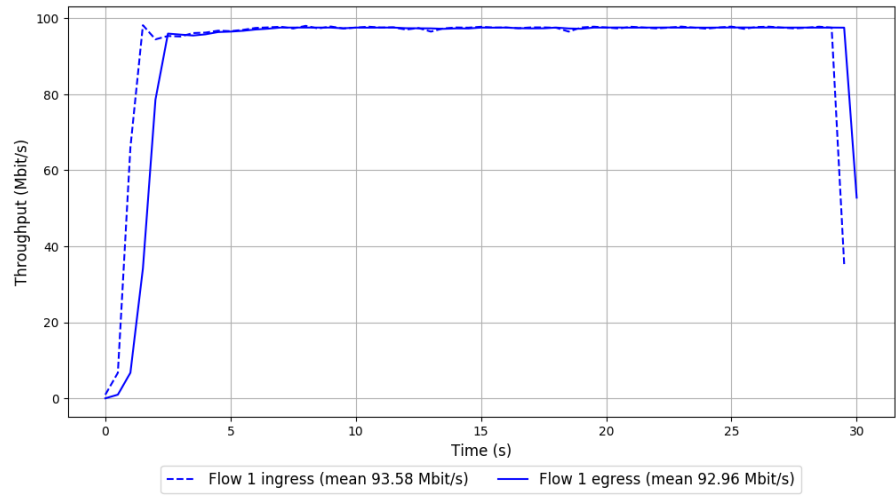


Run 4: Statistics of Indigo

Start at: 2018-05-30 09:25:02
End at: 2018-05-30 09:25:32
Local clock offset: -0.985 ms
Remote clock offset: 18.349 ms

Below is generated by plot.py at 2018-05-30 11:41:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 90.917 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 90.917 ms
Loss rate: 0.59%

Run 4: Report of Indigo — Data Link

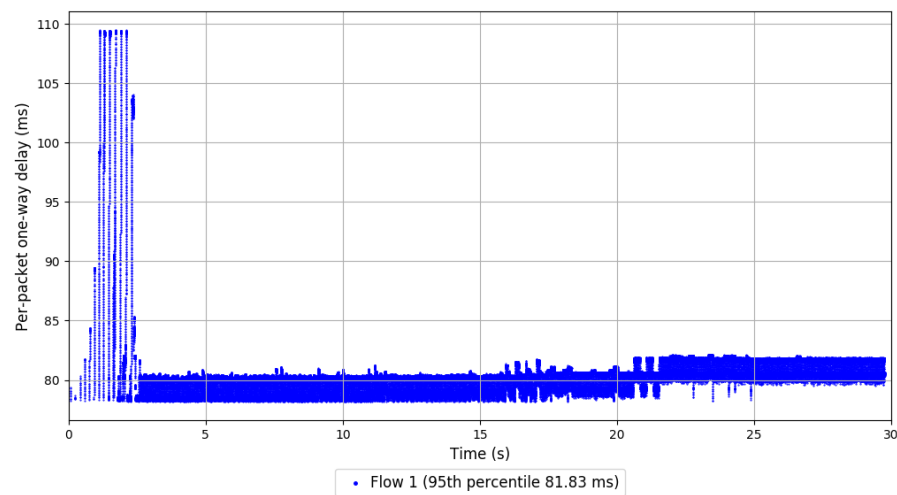
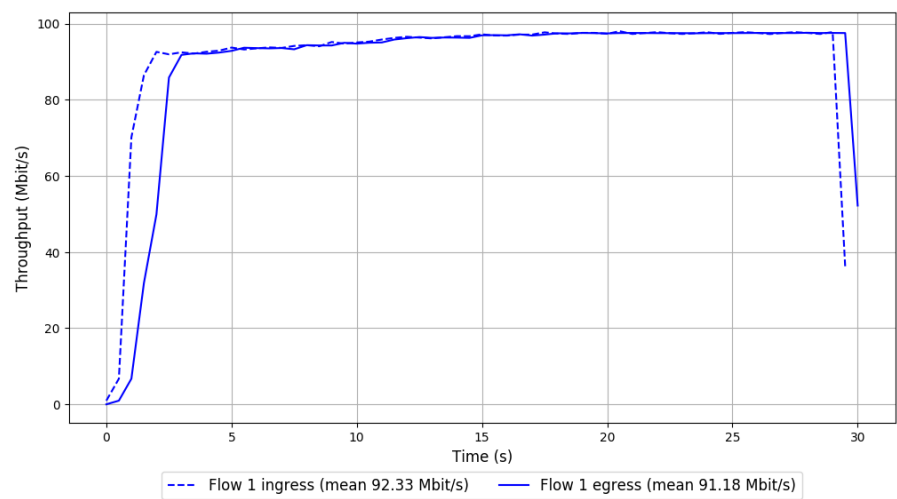


Run 5: Statistics of Indigo

Start at: 2018-05-30 09:43:42
End at: 2018-05-30 09:44:12
Local clock offset: -0.609 ms
Remote clock offset: 16.164 ms

Below is generated by plot.py at 2018-05-30 11:41:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 81.832 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 81.832 ms
Loss rate: 1.23%

Run 5: Report of Indigo — Data Link

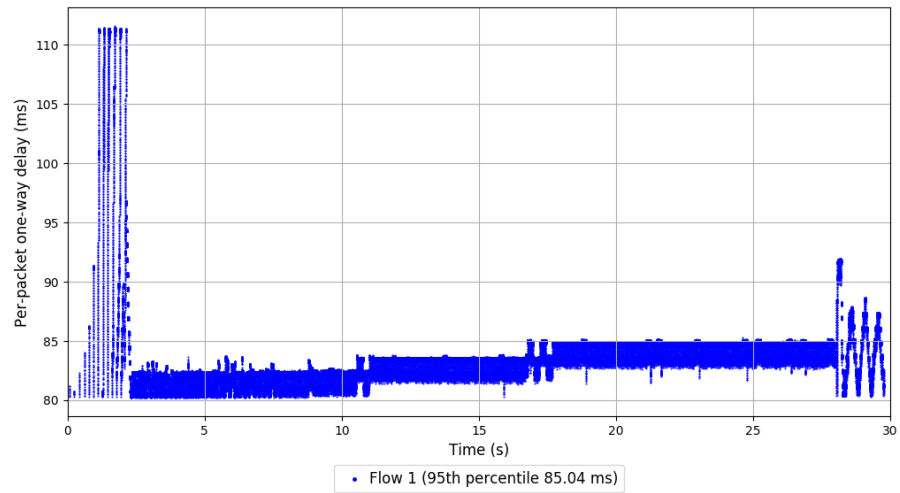
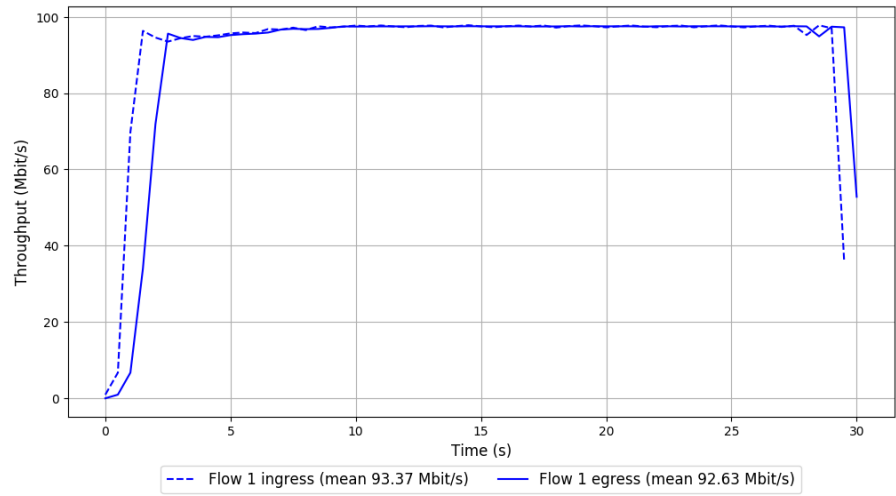


Run 6: Statistics of Indigo

Start at: 2018-05-30 10:02:21
End at: 2018-05-30 10:02:51
Local clock offset: -0.797 ms
Remote clock offset: 10.852 ms

Below is generated by plot.py at 2018-05-30 11:42:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 85.043 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 85.043 ms
Loss rate: 0.79%

Run 6: Report of Indigo — Data Link

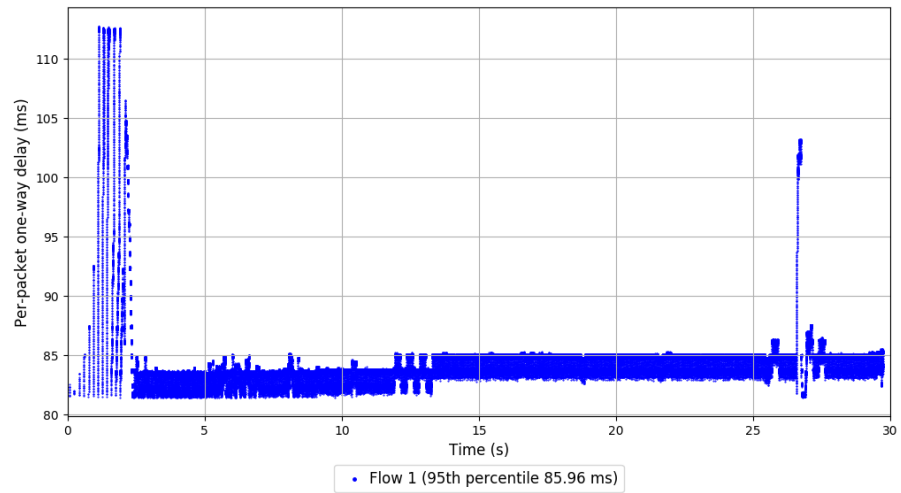
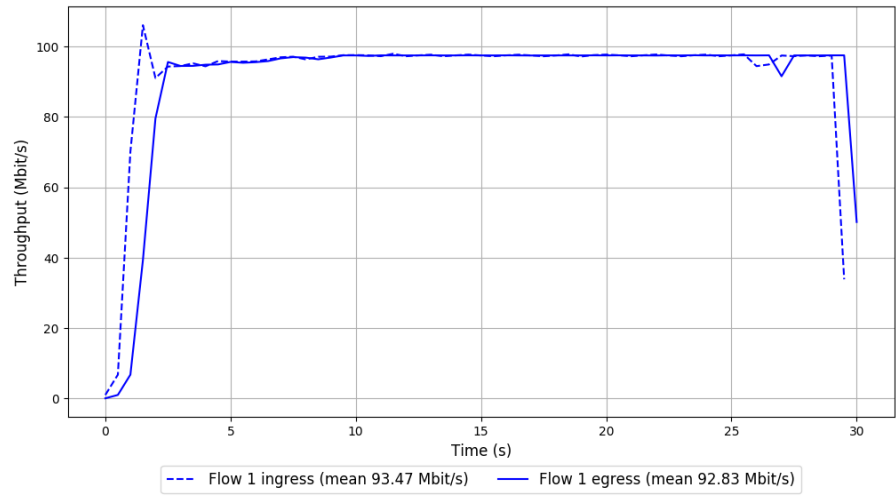


Run 7: Statistics of Indigo

Start at: 2018-05-30 10:20:59
End at: 2018-05-30 10:21:29
Local clock offset: -1.992 ms
Remote clock offset: 11.991 ms

Below is generated by plot.py at 2018-05-30 11:42:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 85.962 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 85.962 ms
Loss rate: 0.67%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-30 10:39:47

End at: 2018-05-30 10:40:17

Local clock offset: -2.005 ms

Remote clock offset: 6.779 ms

Below is generated by plot.py at 2018-05-30 11:42:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 93.455 ms

Loss rate: 0.79%

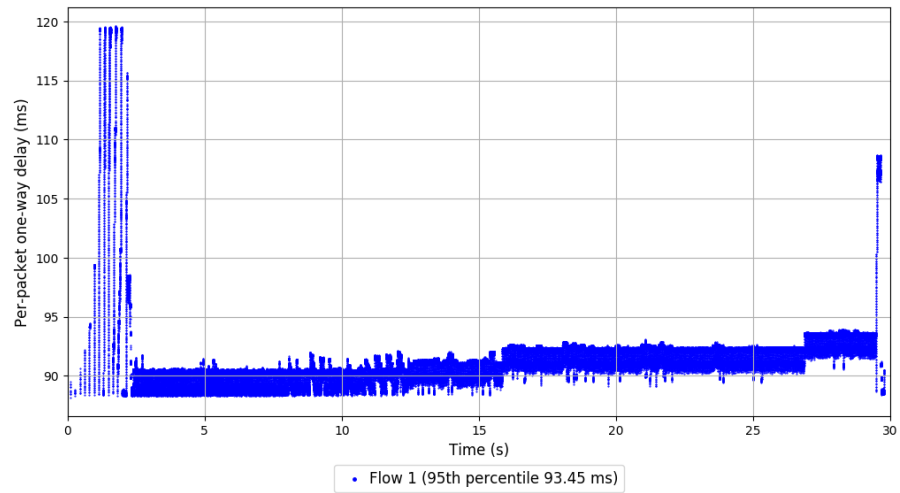
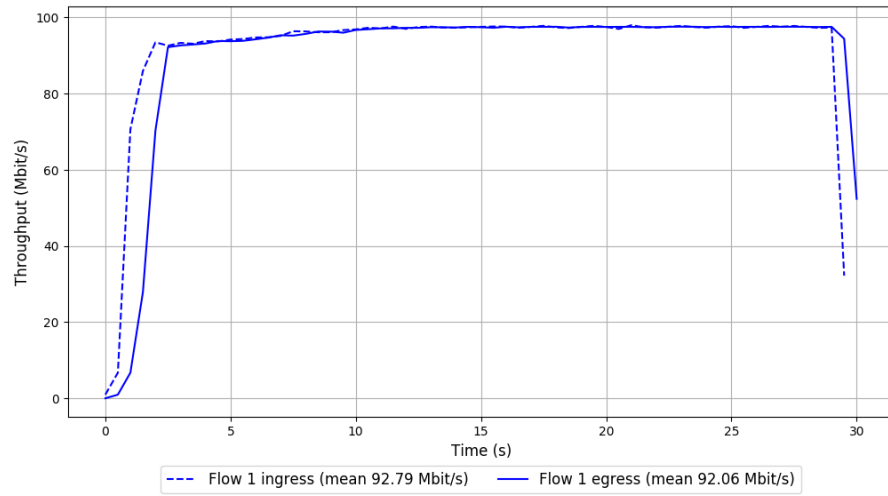
-- Flow 1:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 93.455 ms

Loss rate: 0.79%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-30 10:58:29

End at: 2018-05-30 10:58:59

Local clock offset: -1.44 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-05-30 11:42:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.03 Mbit/s

95th percentile per-packet one-way delay: 82.052 ms

Loss rate: 0.93%

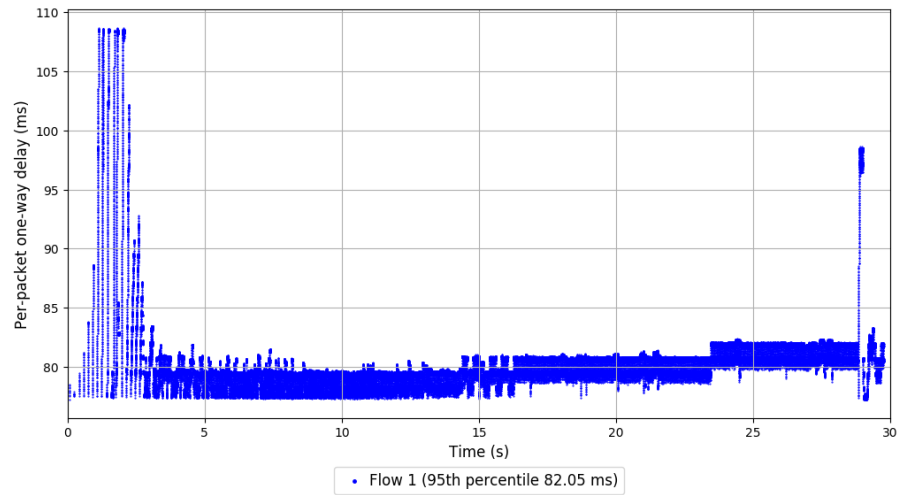
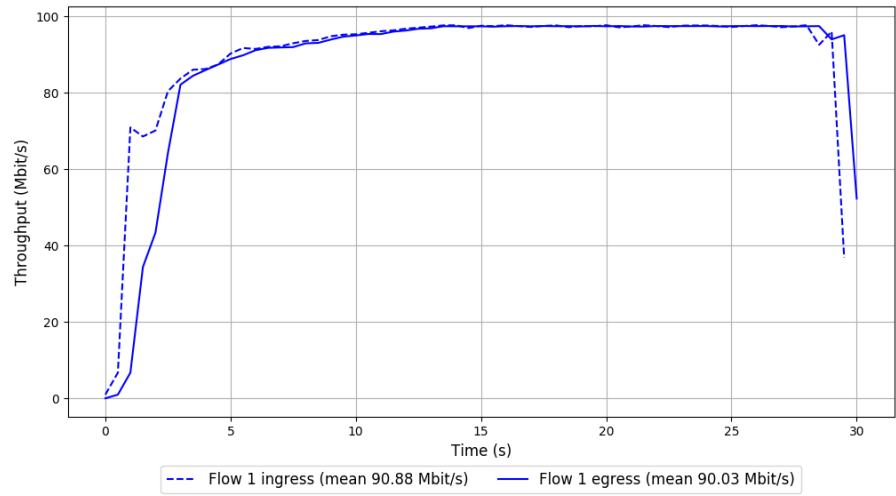
-- Flow 1:

Average throughput: 90.03 Mbit/s

95th percentile per-packet one-way delay: 82.052 ms

Loss rate: 0.93%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-30 11:17:07

End at: 2018-05-30 11:17:37

Local clock offset: -5.098 ms

Remote clock offset: 3.371 ms

Below is generated by plot.py at 2018-05-30 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 82.248 ms

Loss rate: 0.77%

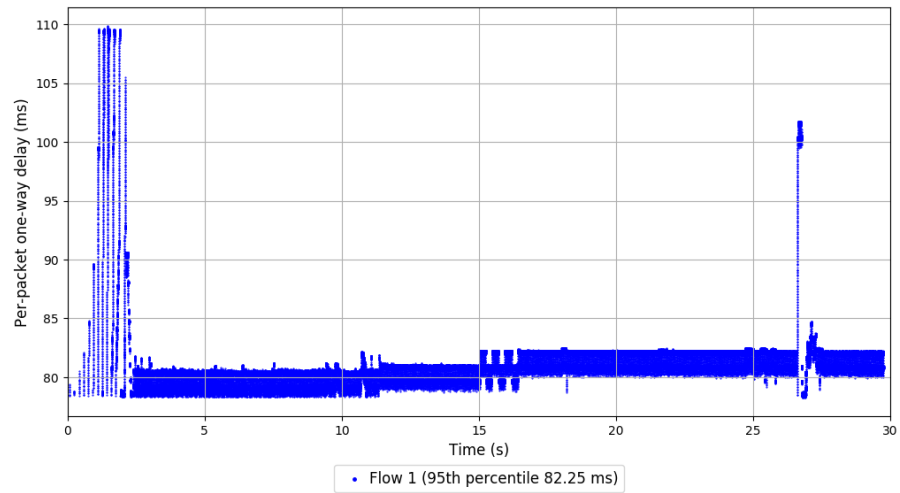
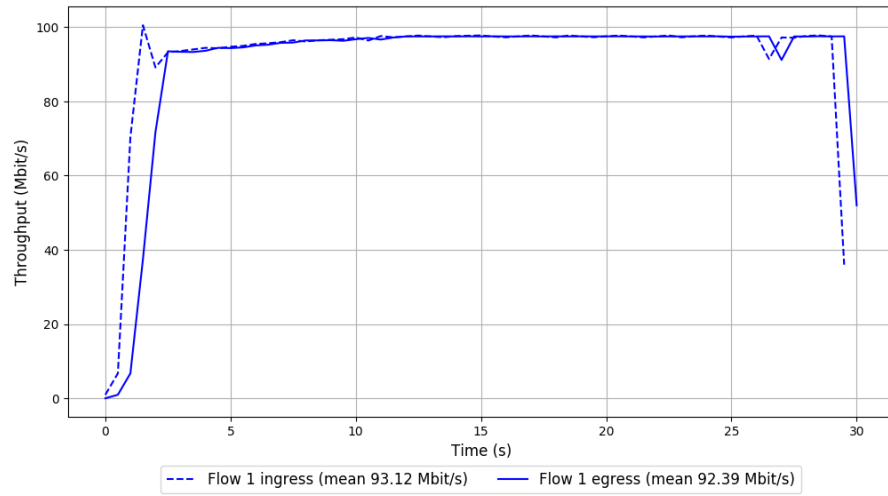
-- Flow 1:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 82.248 ms

Loss rate: 0.77%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-05-30 08:40:44

End at: 2018-05-30 08:41:14

Local clock offset: -0.82 ms

Remote clock offset: 8.51 ms

Below is generated by plot.py at 2018-05-30 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.07 Mbit/s

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

Loss rate: 0.00%

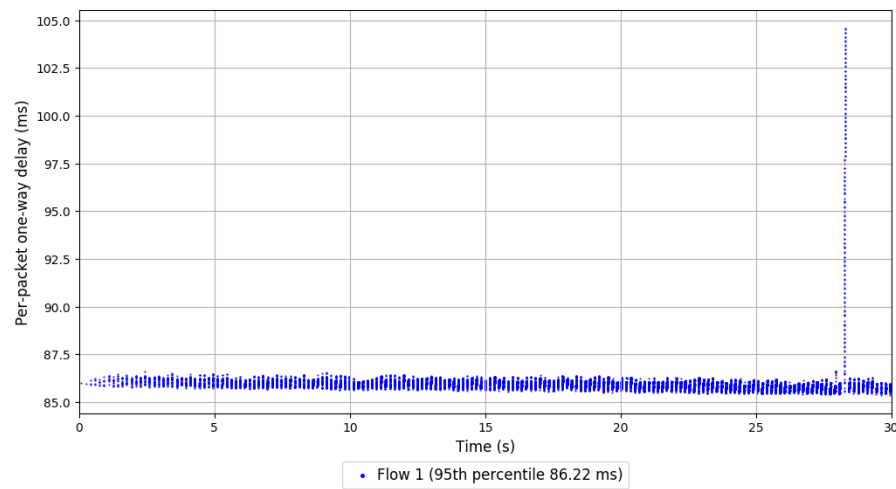
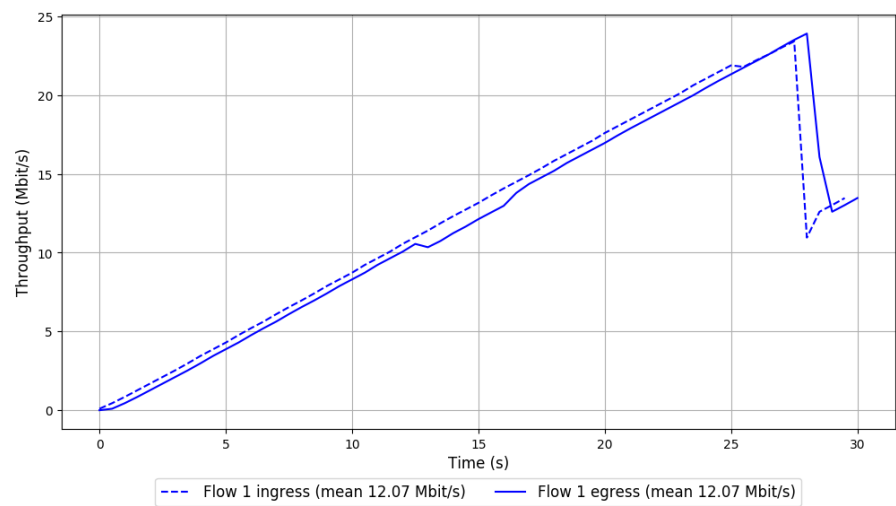
-- Flow 1:

Average throughput: 12.07 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-30 08:59:25

End at: 2018-05-30 08:59:55

Local clock offset: -1.223 ms

Remote clock offset: 14.6 ms

Below is generated by plot.py at 2018-05-30 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.18 Mbit/s

95th percentile per-packet one-way delay: 86.291 ms

Loss rate: 0.01%

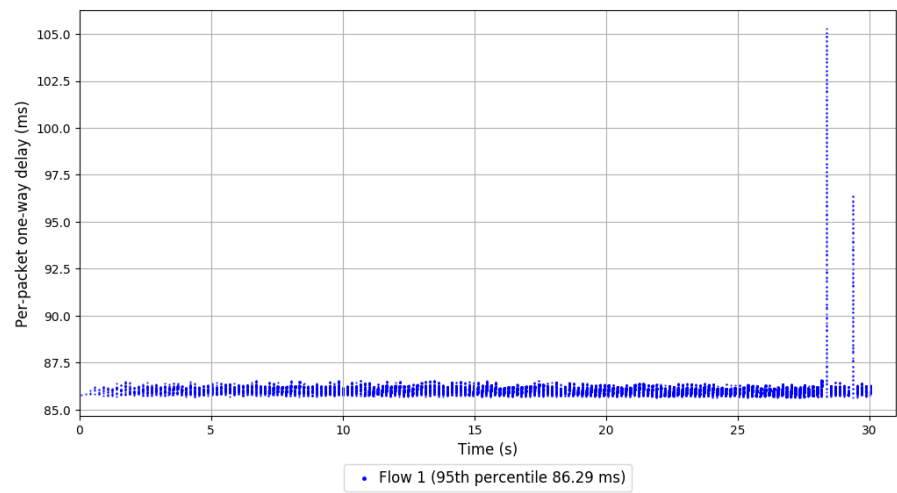
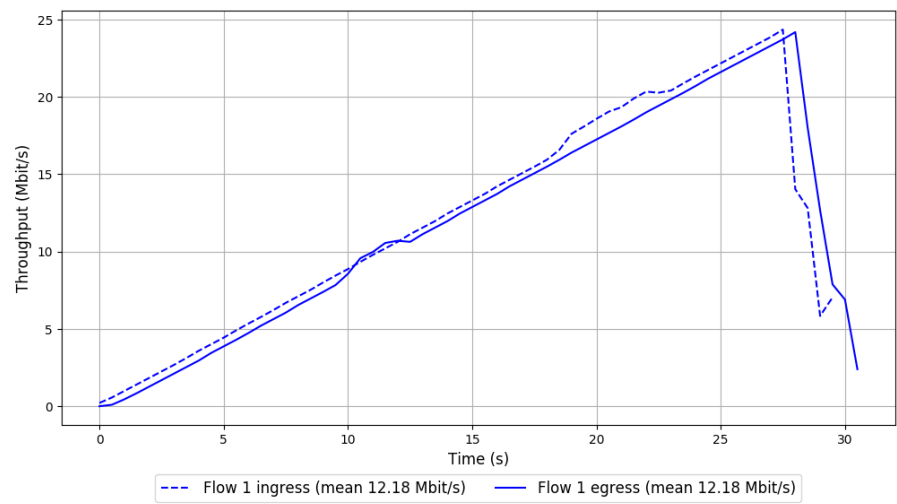
-- Flow 1:

Average throughput: 12.18 Mbit/s

95th percentile per-packet one-way delay: 86.291 ms

Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

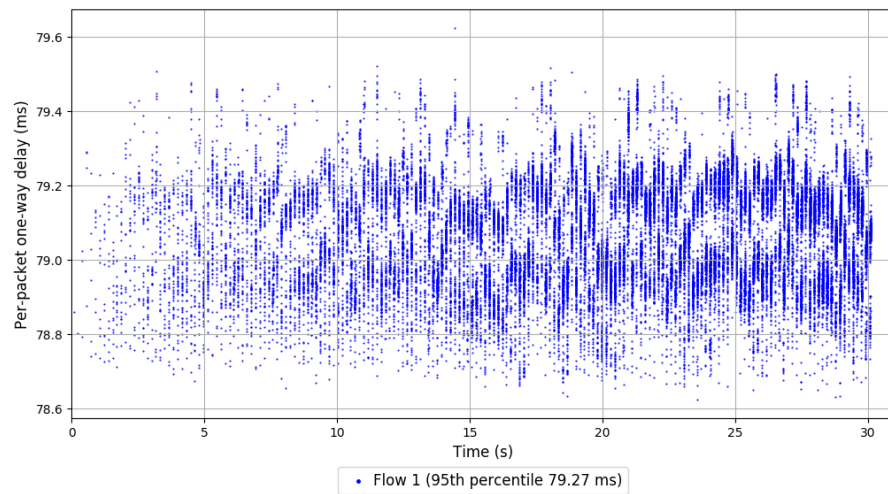
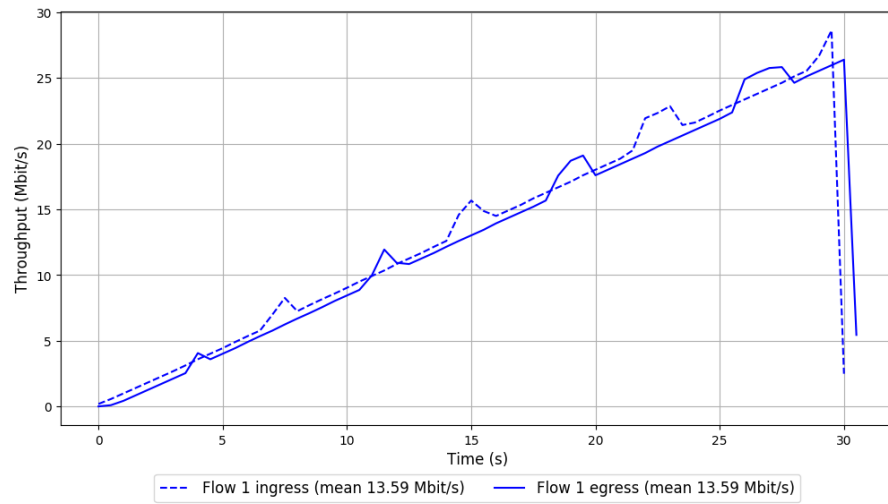


Run 3: Statistics of LEDBAT

Start at: 2018-05-30 09:18:05
End at: 2018-05-30 09:18:35
Local clock offset: -0.963 ms
Remote clock offset: 12.892 ms

Below is generated by plot.py at 2018-05-30 11:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 79.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 79.271 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

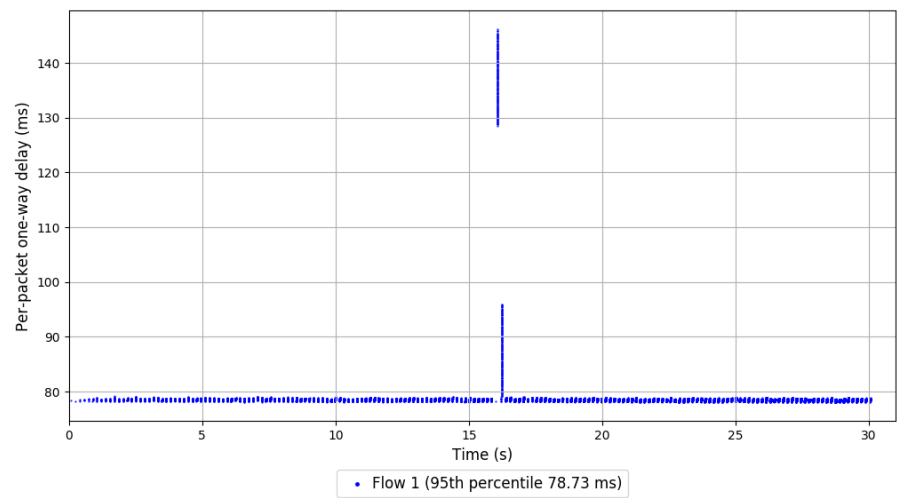
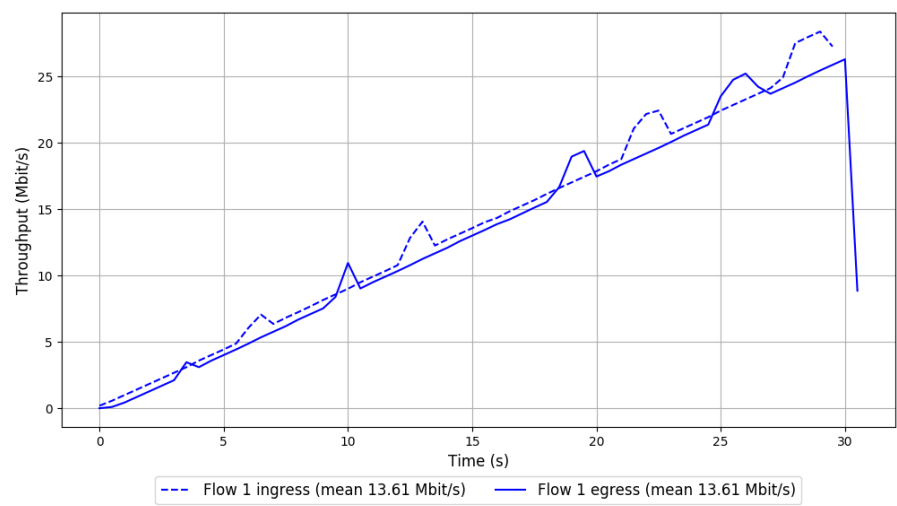


Run 4: Statistics of LEDBAT

Start at: 2018-05-30 09:36:45
End at: 2018-05-30 09:37:15
Local clock offset: -0.858 ms
Remote clock offset: 14.669 ms

Below is generated by plot.py at 2018-05-30 11:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 78.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 78.735 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-30 09:55:24

End at: 2018-05-30 09:55:54

Local clock offset: -0.845 ms

Remote clock offset: 17.66 ms

Below is generated by plot.py at 2018-05-30 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 86.491 ms

Loss rate: 0.00%

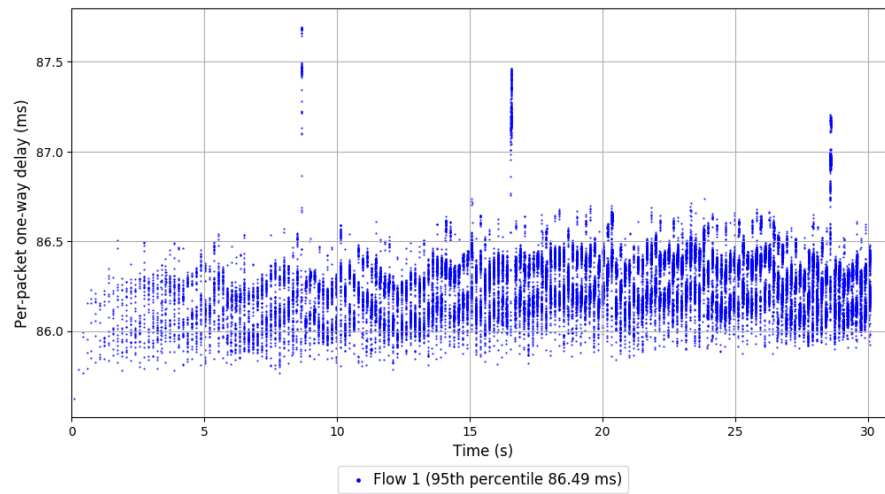
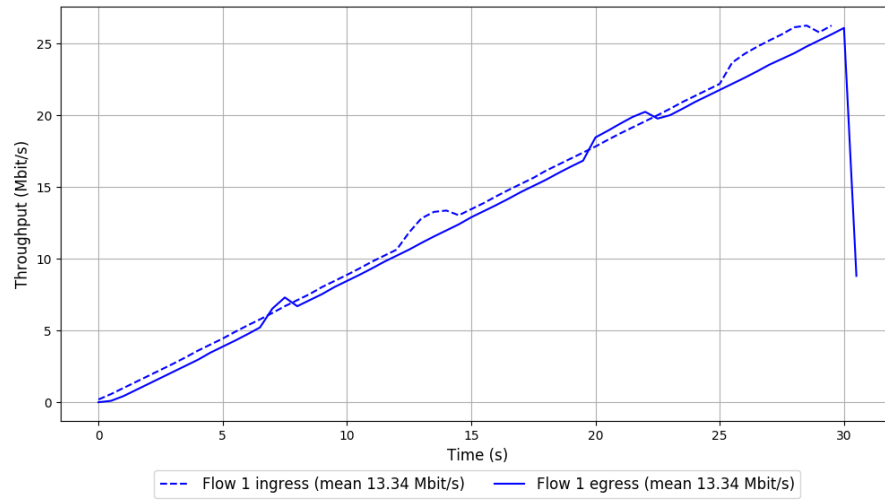
-- Flow 1:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 86.491 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-30 10:14:02

End at: 2018-05-30 10:14:32

Local clock offset: -2.406 ms

Remote clock offset: 9.194 ms

Below is generated by plot.py at 2018-05-30 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 85.665 ms

Loss rate: 0.12%

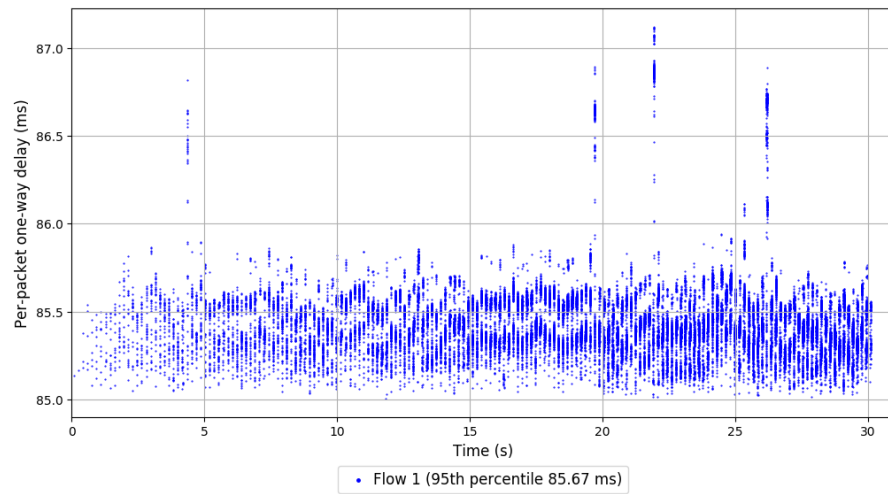
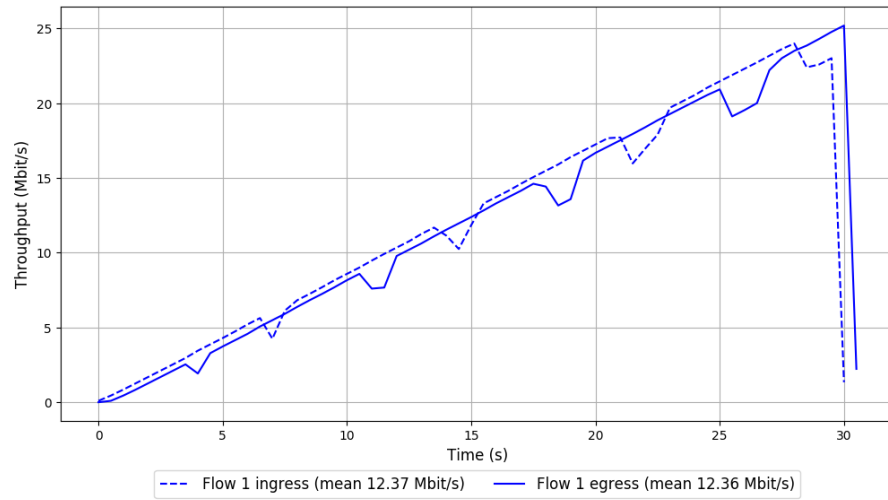
-- Flow 1:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 85.665 ms

Loss rate: 0.12%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-30 10:32:48

End at: 2018-05-30 10:33:19

Local clock offset: -3.011 ms

Remote clock offset: 3.564 ms

Below is generated by plot.py at 2018-05-30 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 80.860 ms

Loss rate: 0.00%

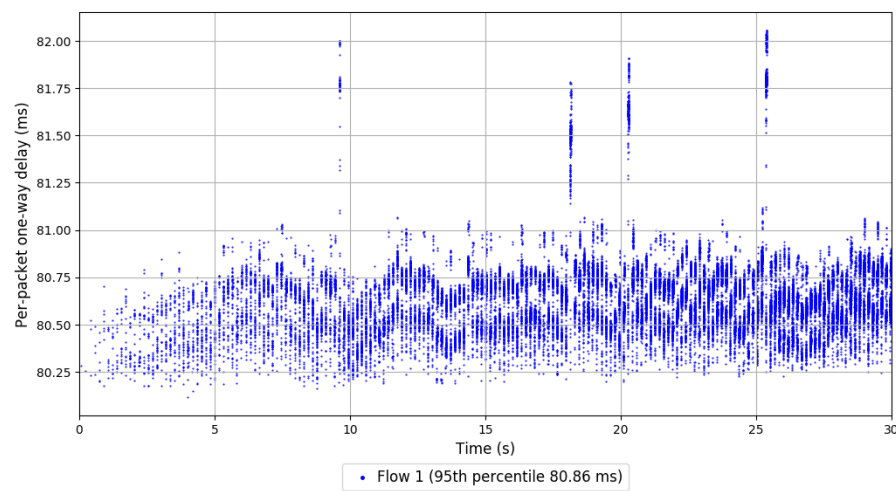
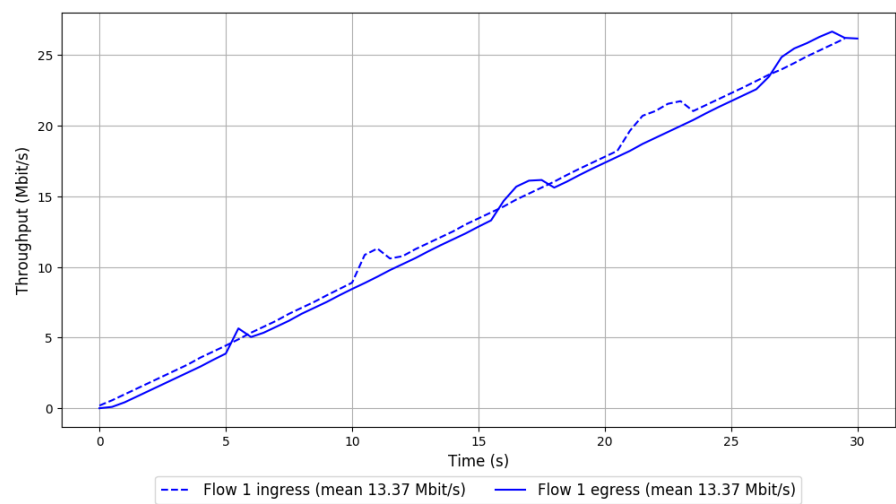
-- Flow 1:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 80.860 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-30 10:51:31

End at: 2018-05-30 10:52:01

Local clock offset: -2.374 ms

Remote clock offset: 5.063 ms

Below is generated by plot.py at 2018-05-30 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.32 Mbit/s

95th percentile per-packet one-way delay: 91.680 ms

Loss rate: 0.00%

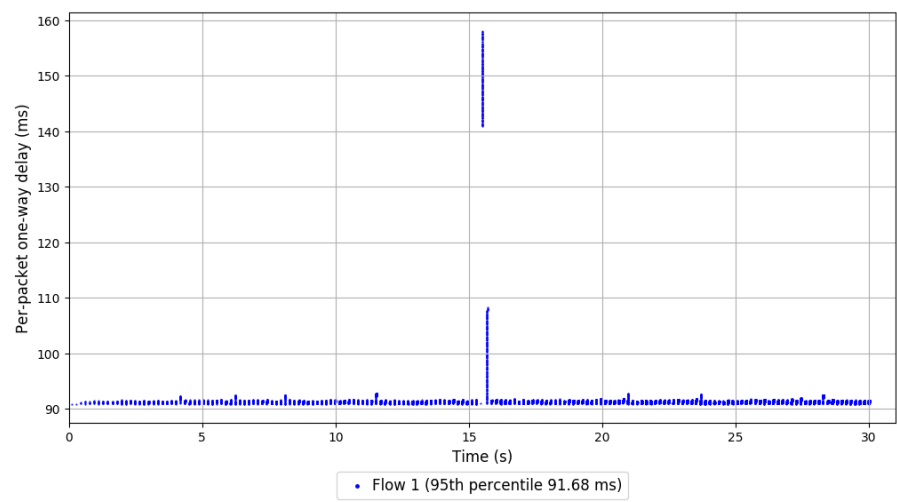
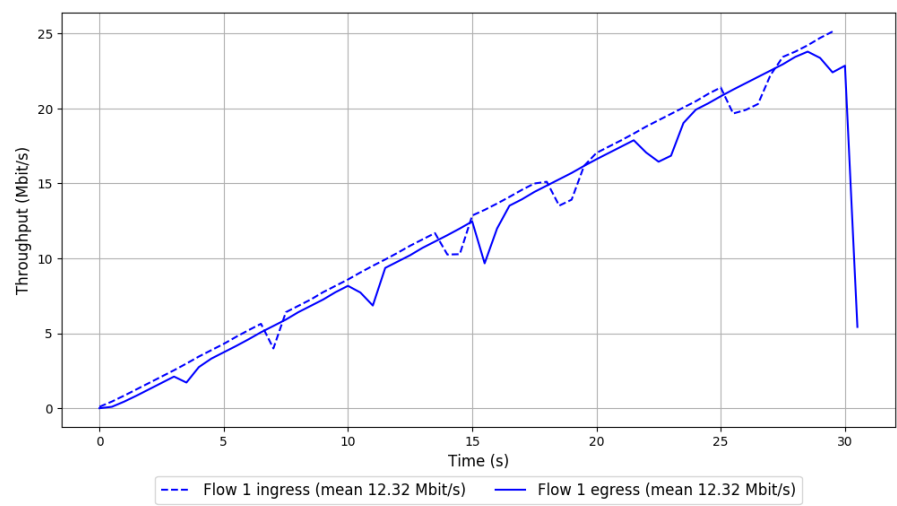
-- Flow 1:

Average throughput: 12.32 Mbit/s

95th percentile per-packet one-way delay: 91.680 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-30 11:10:11

End at: 2018-05-30 11:10:41

Local clock offset: -3.193 ms

Remote clock offset: 7.043 ms

Below is generated by plot.py at 2018-05-30 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.27 Mbit/s

95th percentile per-packet one-way delay: 82.618 ms

Loss rate: 0.00%

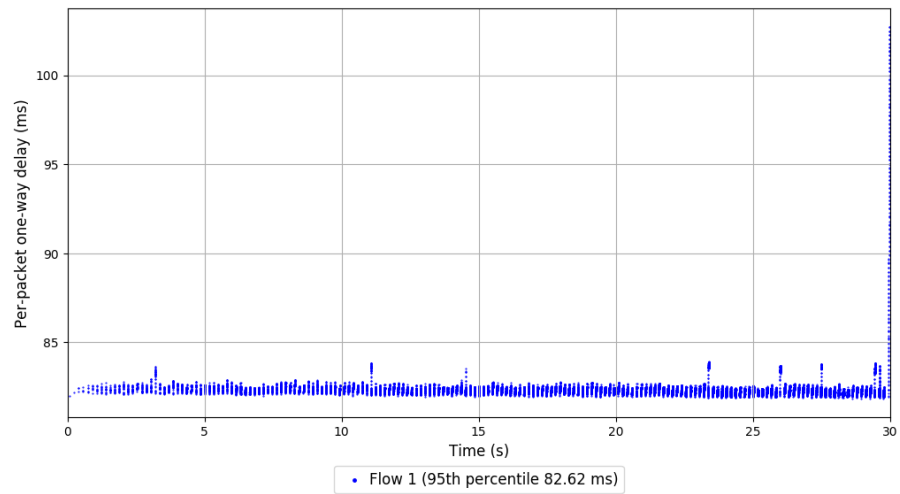
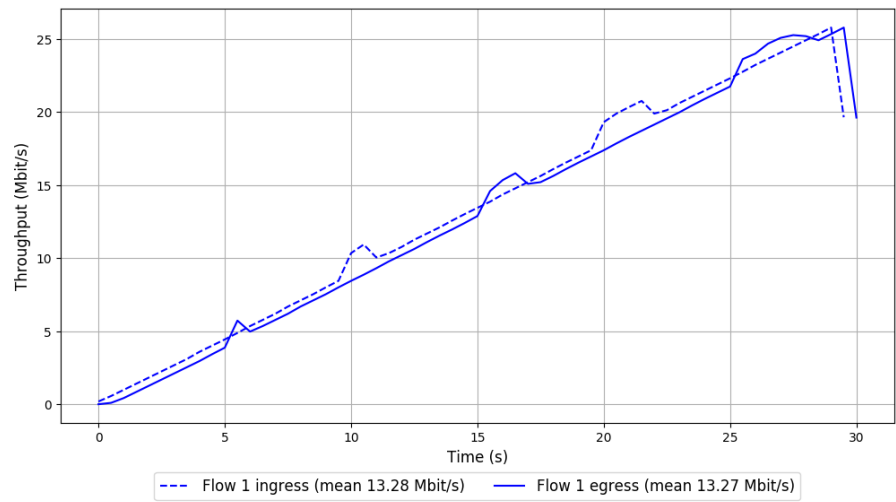
-- Flow 1:

Average throughput: 13.27 Mbit/s

95th percentile per-packet one-way delay: 82.618 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-30 11:28:56

End at: 2018-05-30 11:29:26

Local clock offset: -7.391 ms

Remote clock offset: 3.032 ms

Below is generated by plot.py at 2018-05-30 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.09 Mbit/s

95th percentile per-packet one-way delay: 81.591 ms

Loss rate: 0.00%

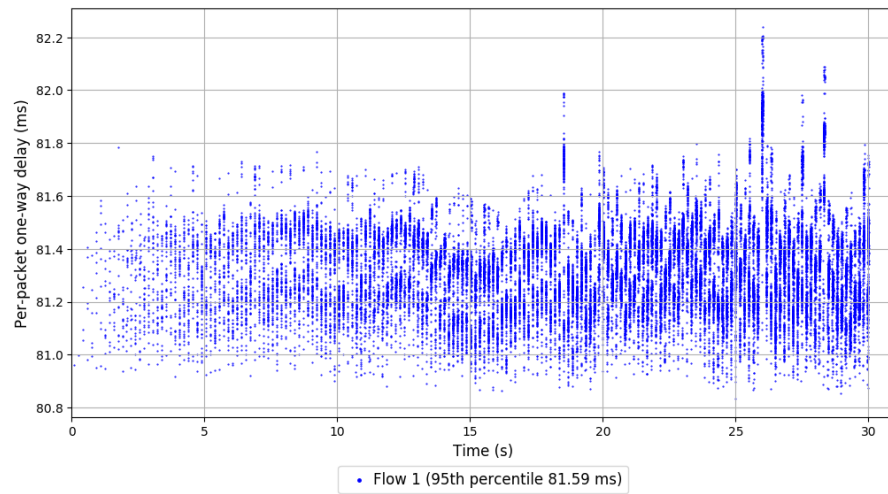
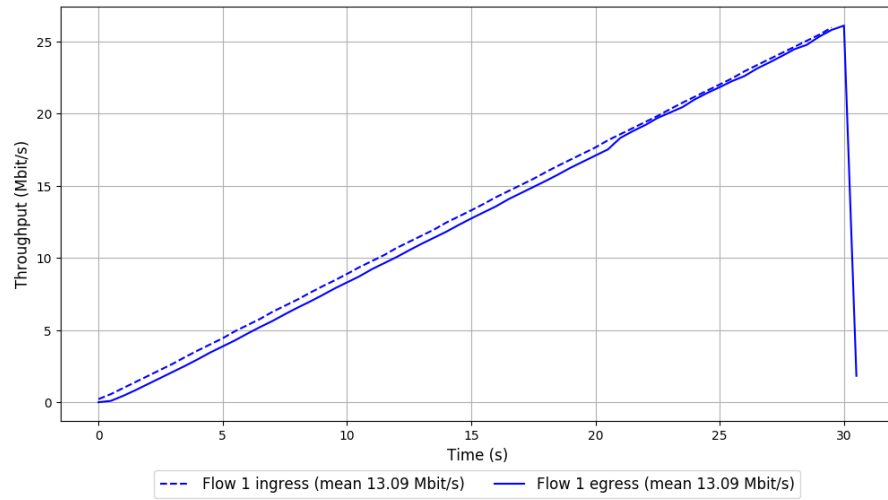
-- Flow 1:

Average throughput: 13.09 Mbit/s

95th percentile per-packet one-way delay: 81.591 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-30 08:25:31

End at: 2018-05-30 08:26:01

Local clock offset: -1.581 ms

Remote clock offset: 8.607 ms

Below is generated by plot.py at 2018-05-30 11:43:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 96.437 ms

Loss rate: 1.40%

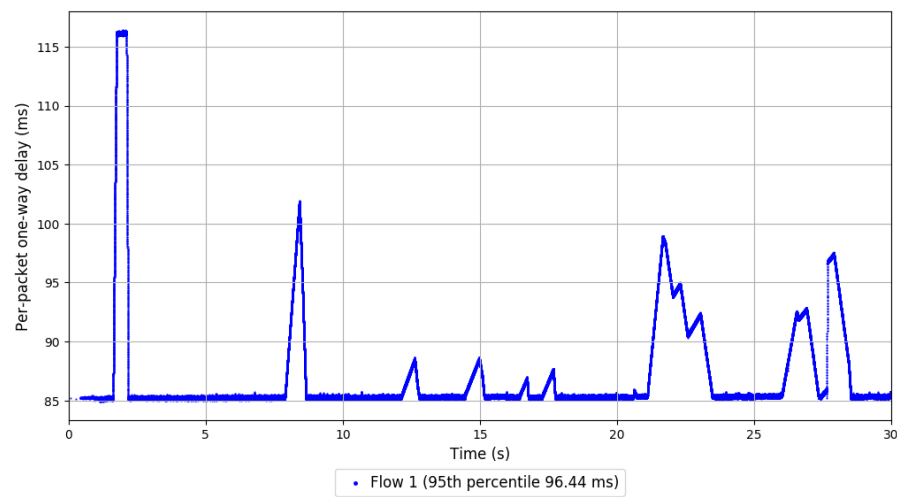
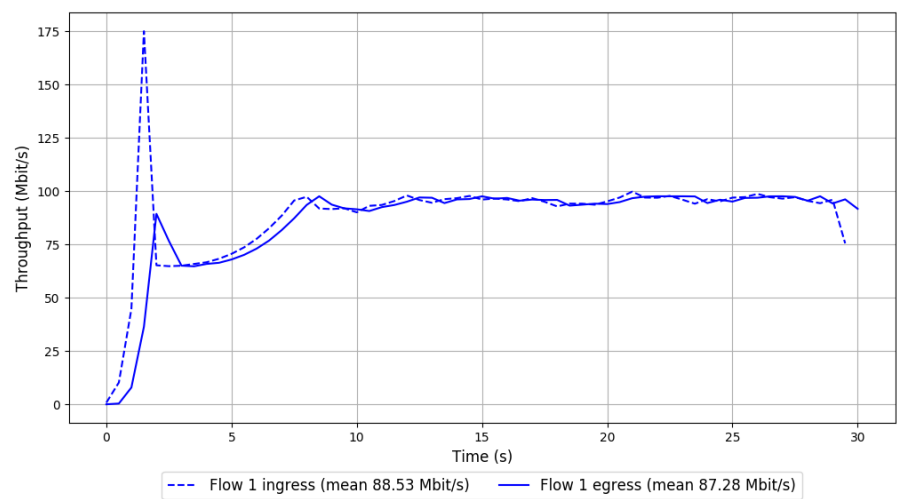
-- Flow 1:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 96.437 ms

Loss rate: 1.40%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-30 08:44:13

End at: 2018-05-30 08:44:43

Local clock offset: -0.128 ms

Remote clock offset: 6.79 ms

Below is generated by plot.py at 2018-05-30 11:43:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 95.255 ms

Loss rate: 1.48%

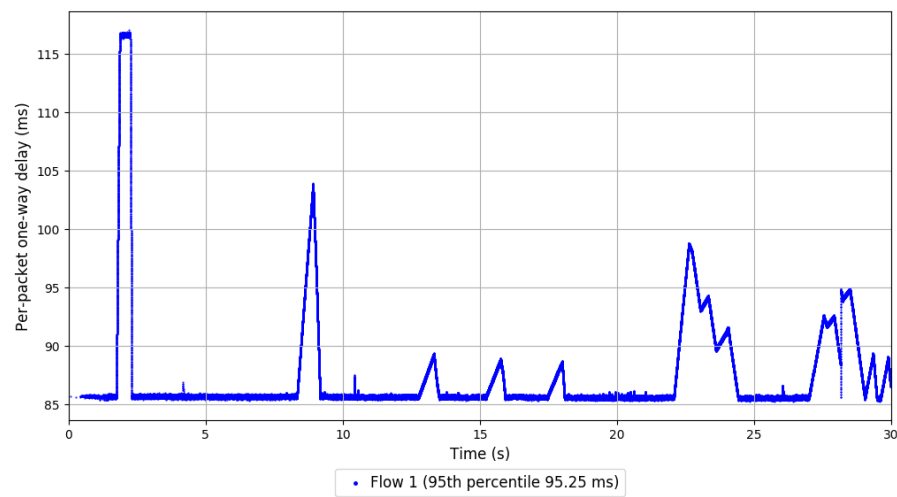
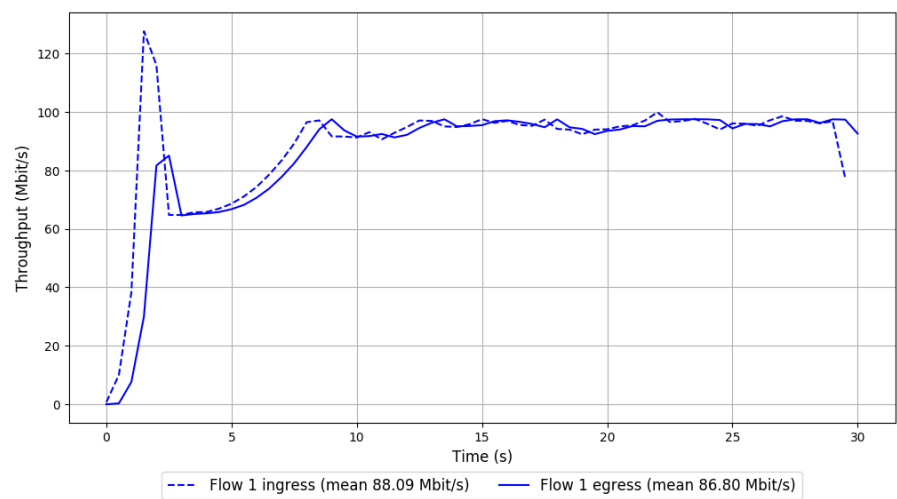
-- Flow 1:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 95.255 ms

Loss rate: 1.48%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-30 09:02:54

End at: 2018-05-30 09:03:24

Local clock offset: 0.565 ms

Remote clock offset: 11.207 ms

Below is generated by plot.py at 2018-05-30 11:43:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 95.855 ms

Loss rate: 1.40%

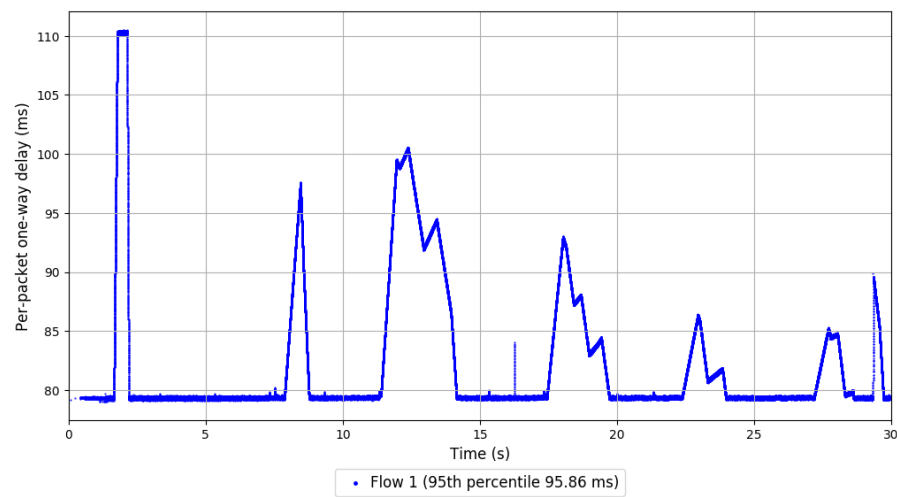
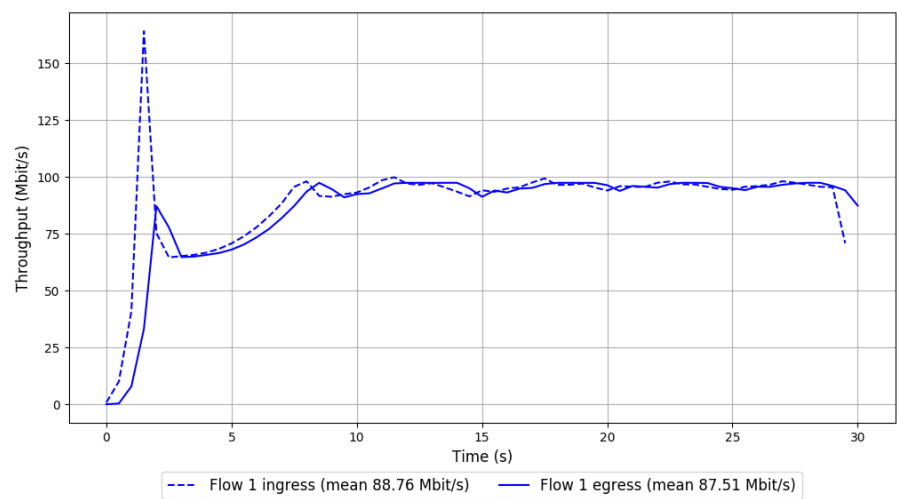
-- Flow 1:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 95.855 ms

Loss rate: 1.40%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-30 09:21:33

End at: 2018-05-30 09:22:03

Local clock offset: -0.249 ms

Remote clock offset: 17.28 ms

Below is generated by plot.py at 2018-05-30 11:43:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 91.837 ms

Loss rate: 1.40%

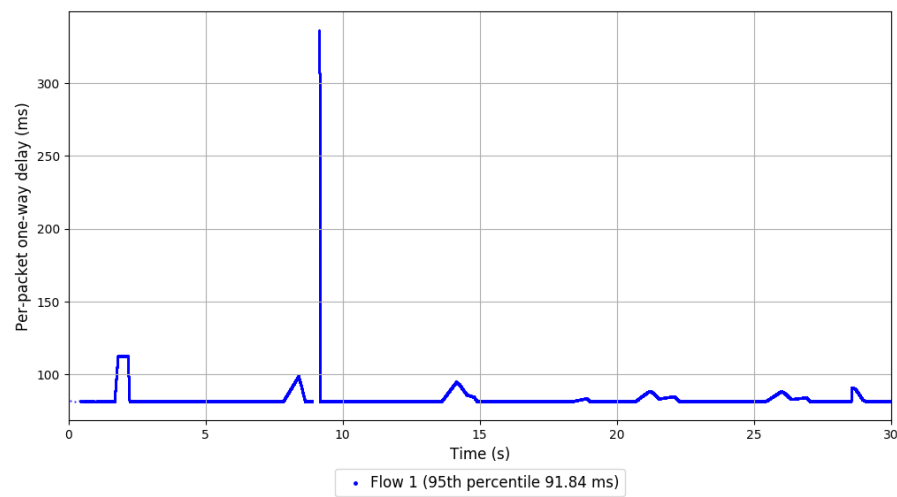
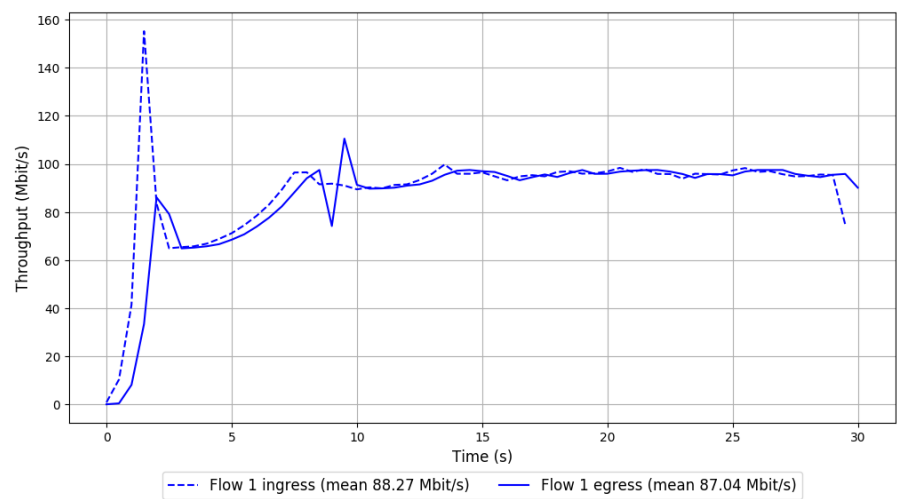
-- Flow 1:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 91.837 ms

Loss rate: 1.40%

Run 4: Report of PCC-Allegro — Data Link

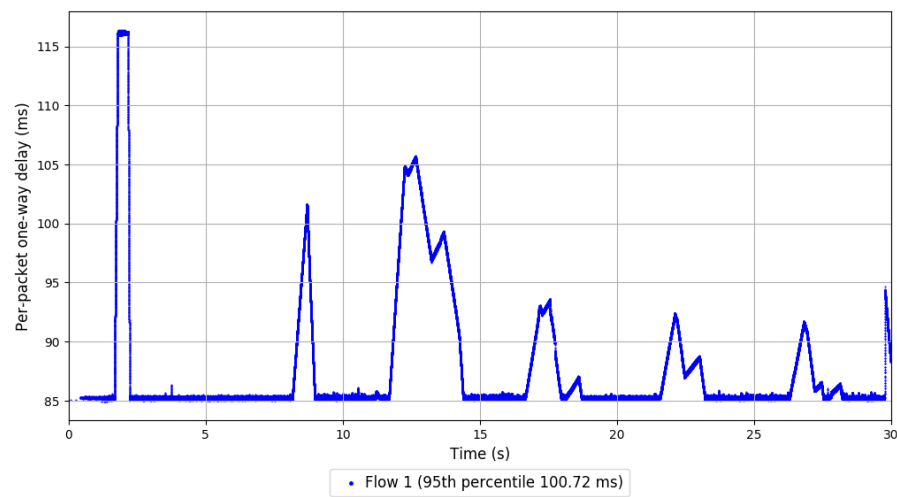
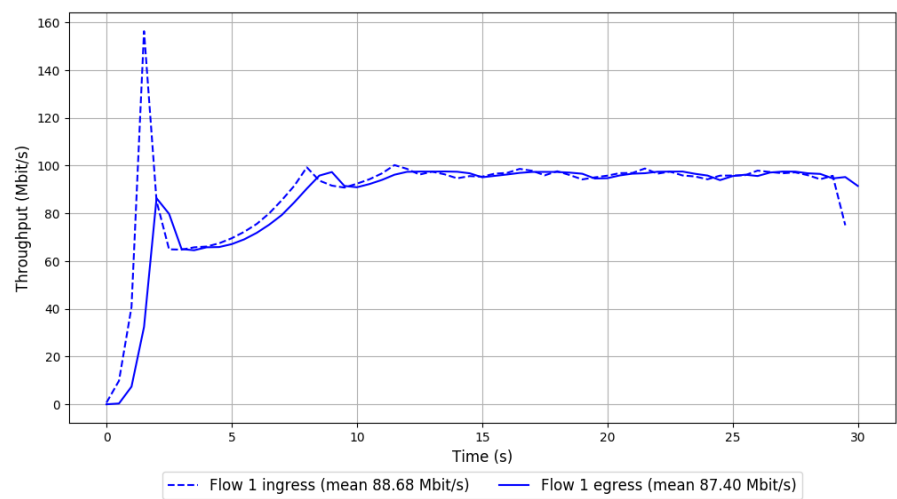


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-30 09:40:13
End at: 2018-05-30 09:40:43
Local clock offset: -0.385 ms
Remote clock offset: 20.712 ms

Below is generated by plot.py at 2018-05-30 11:43:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 100.722 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 100.722 ms
Loss rate: 1.43%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-30 09:58:52

End at: 2018-05-30 09:59:22

Local clock offset: -1.594 ms

Remote clock offset: 11.539 ms

Below is generated by plot.py at 2018-05-30 11:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 96.051 ms

Loss rate: 1.38%

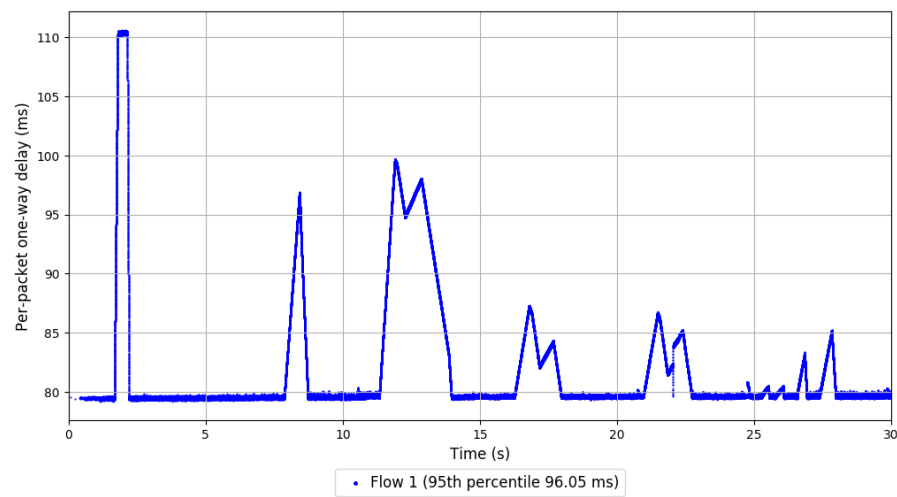
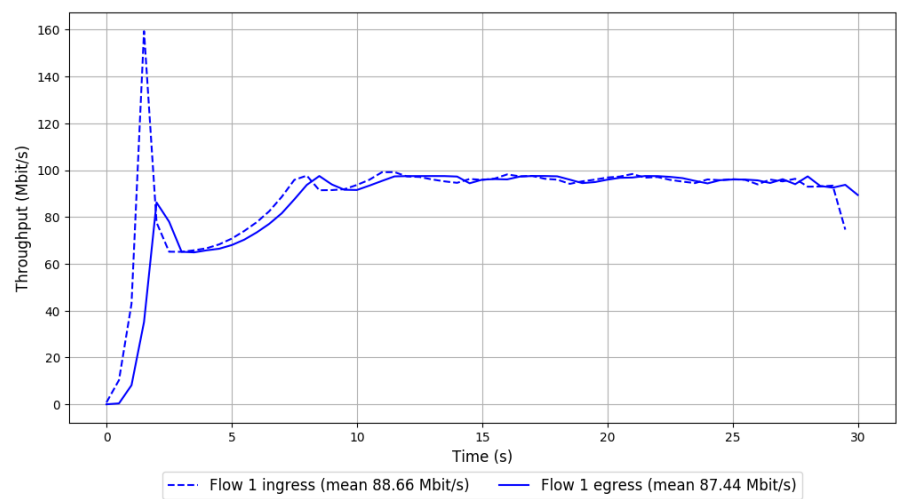
-- Flow 1:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 96.051 ms

Loss rate: 1.38%

Run 6: Report of PCC-Allegro — Data Link

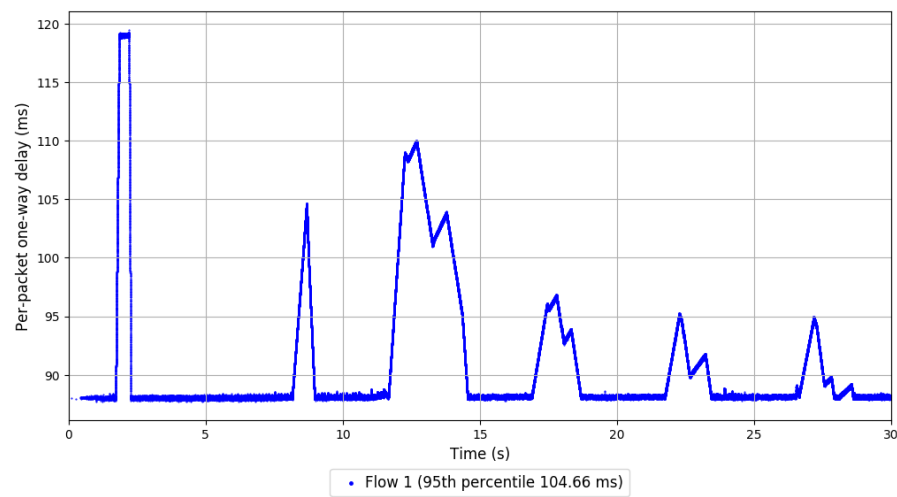
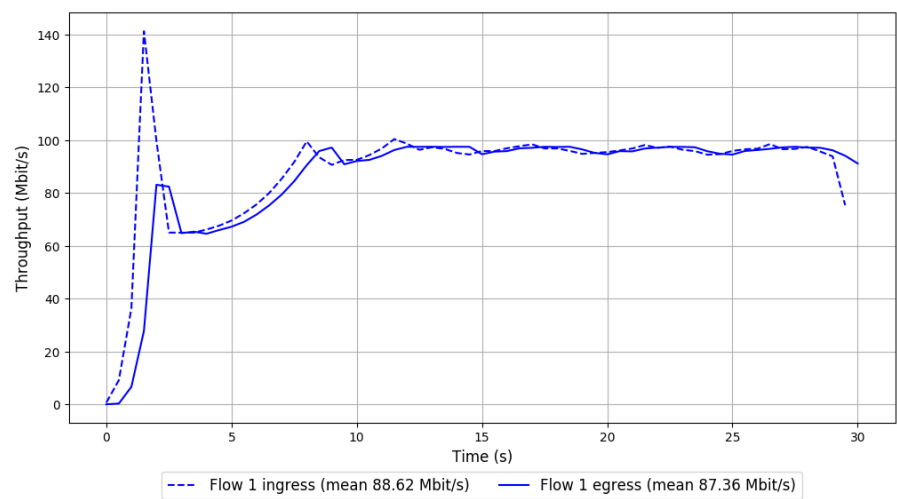


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-30 10:17:30
End at: 2018-05-30 10:18:00
Local clock offset: -1.851 ms
Remote clock offset: 12.957 ms

Below is generated by plot.py at 2018-05-30 11:43:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 104.660 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 104.660 ms
Loss rate: 1.44%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-30 10:36:17

End at: 2018-05-30 10:36:47

Local clock offset: -3.049 ms

Remote clock offset: 8.538 ms

Below is generated by plot.py at 2018-05-30 11:43:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 104.647 ms

Loss rate: 1.49%

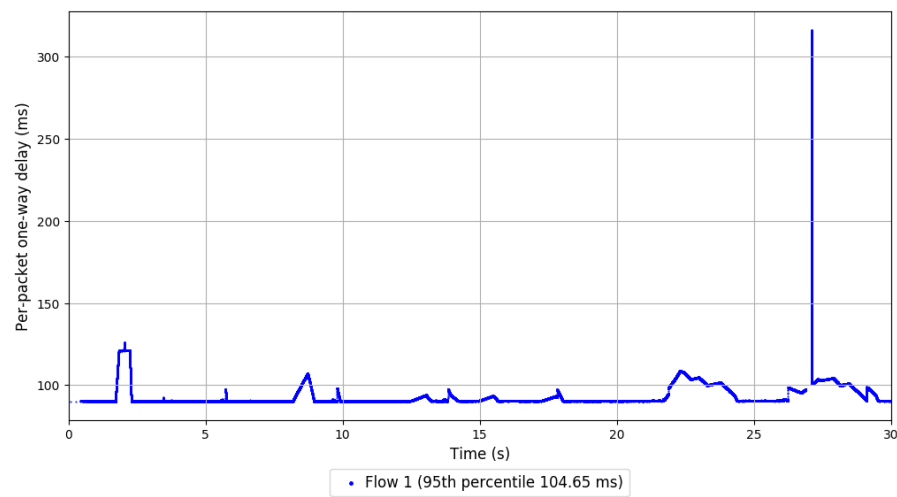
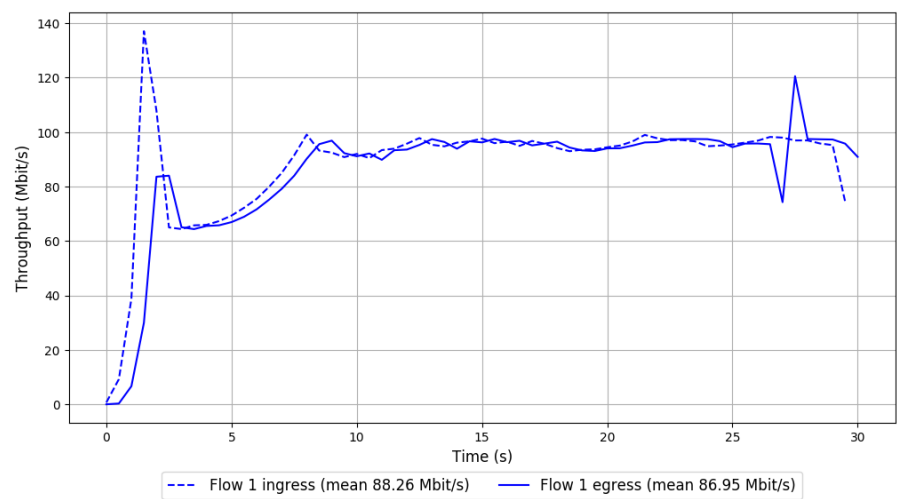
-- Flow 1:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 104.647 ms

Loss rate: 1.49%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-30 10:55:00

End at: 2018-05-30 10:55:30

Local clock offset: -3.017 ms

Remote clock offset: 3.697 ms

Below is generated by plot.py at 2018-05-30 11:44:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.50 Mbit/s

95th percentile per-packet one-way delay: 100.157 ms

Loss rate: 1.43%

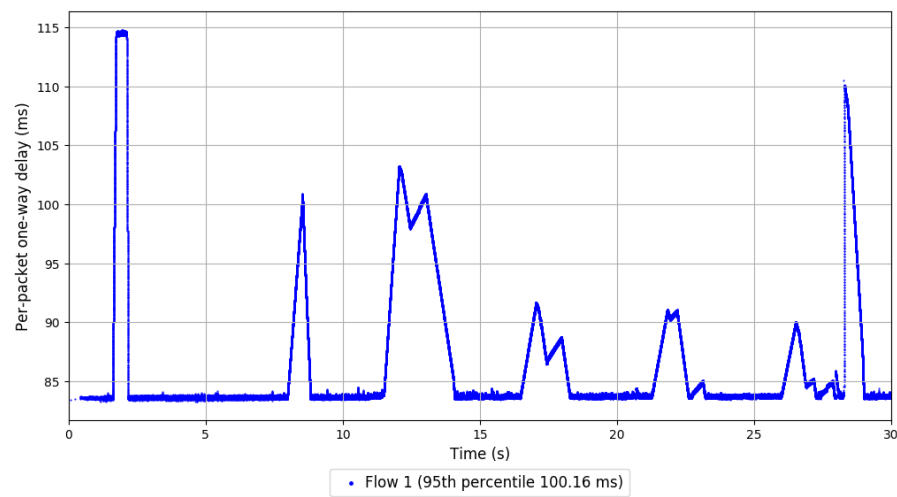
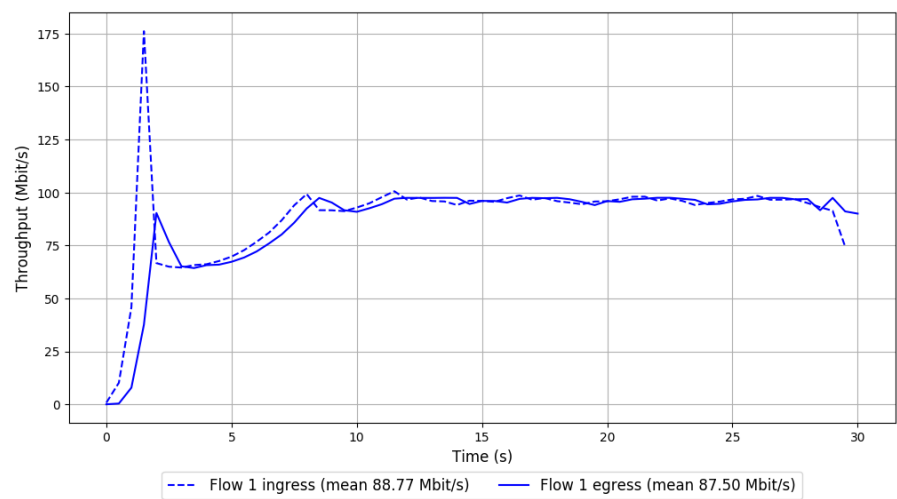
-- Flow 1:

Average throughput: 87.50 Mbit/s

95th percentile per-packet one-way delay: 100.157 ms

Loss rate: 1.43%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-30 11:13:39

End at: 2018-05-30 11:14:09

Local clock offset: -5.76 ms

Remote clock offset: 3.272 ms

Below is generated by plot.py at 2018-05-30 11:44:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 105.777 ms

Loss rate: 3.54%

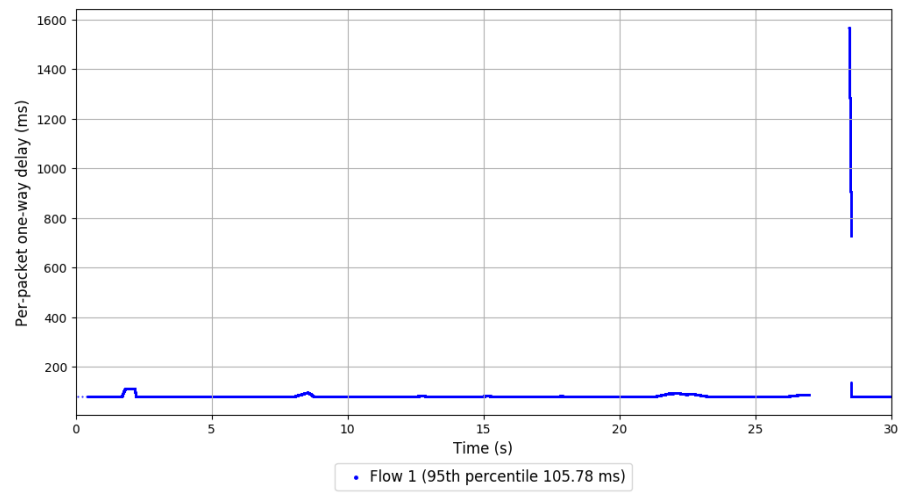
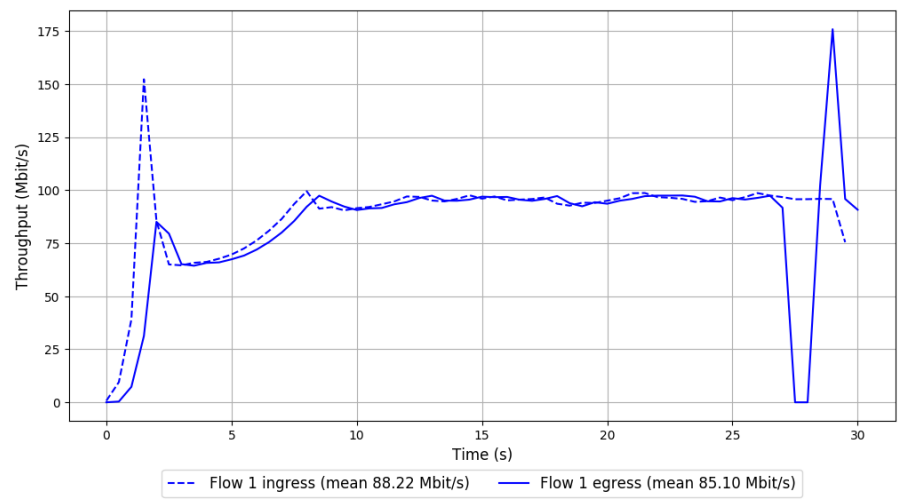
-- Flow 1:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 105.777 ms

Loss rate: 3.54%

Run 10: Report of PCC-Allegro — Data Link

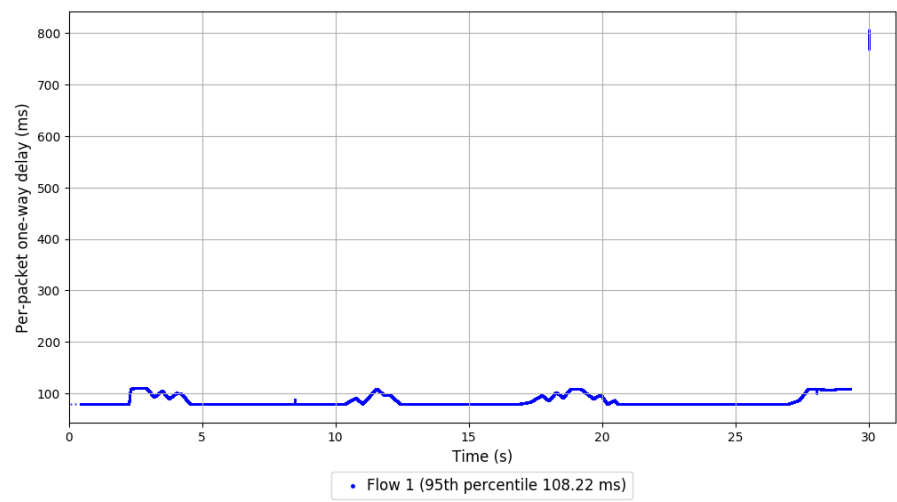
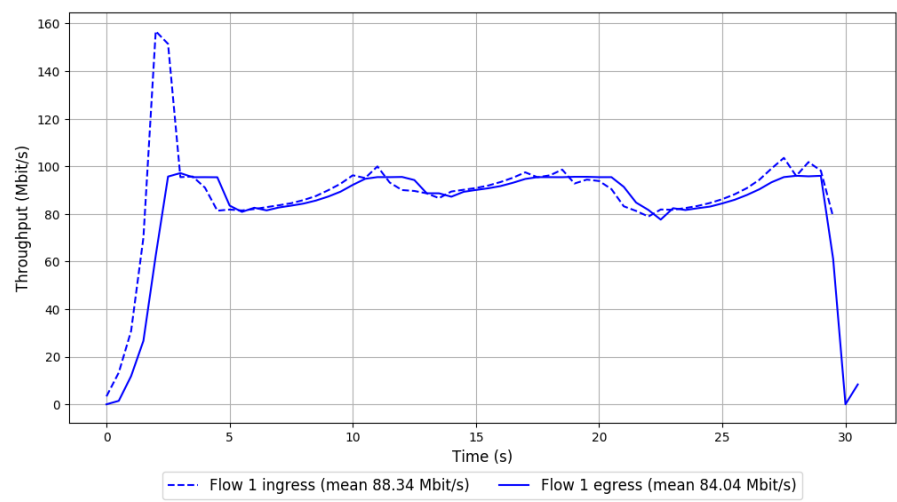


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-30 08:32:36
End at: 2018-05-30 08:33:06
Local clock offset: -0.086 ms
Remote clock offset: 3.638 ms

# Below is generated by plot.py at 2018-05-30 11:45:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 108.217 ms
Loss rate: 4.78%
-- Flow 1:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 108.217 ms
Loss rate: 4.78%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-30 08:51:16

End at: 2018-05-30 08:51:46

Local clock offset: -0.009 ms

Remote clock offset: 9.817 ms

Below is generated by plot.py at 2018-05-30 11:45:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 113.054 ms

Loss rate: 2.29%

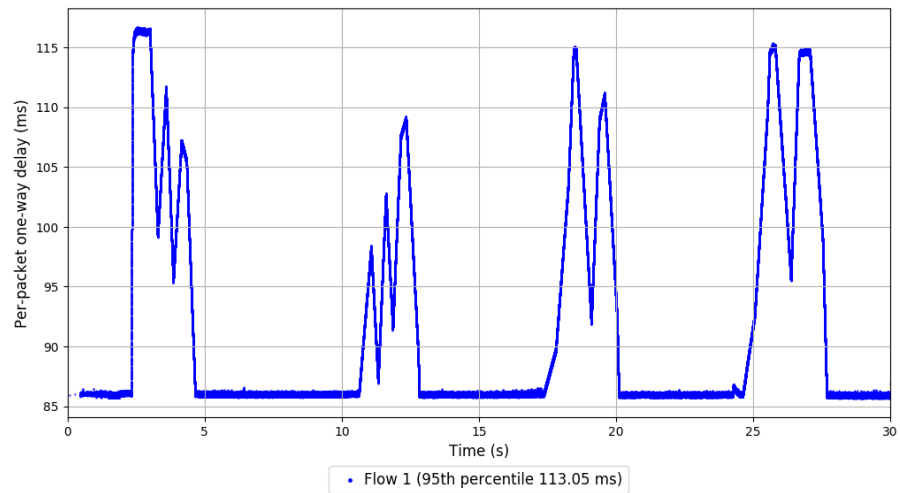
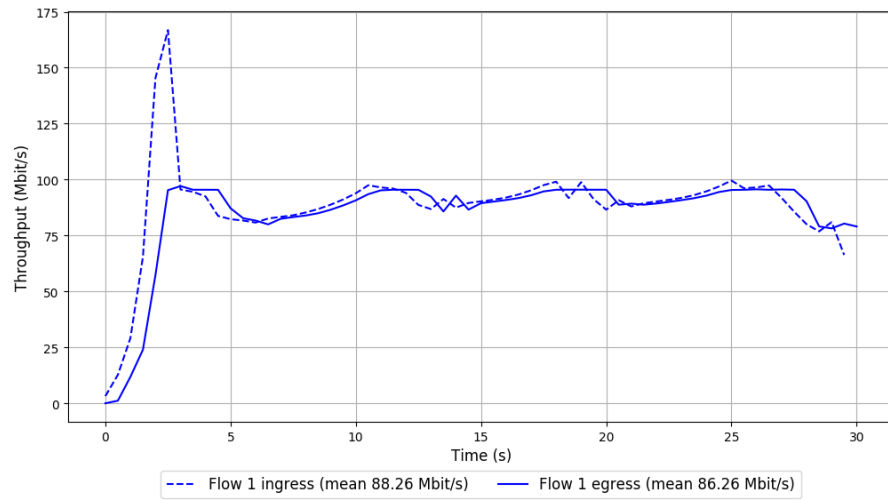
-- Flow 1:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 113.054 ms

Loss rate: 2.29%

Run 2: Report of PCC-Expr — Data Link

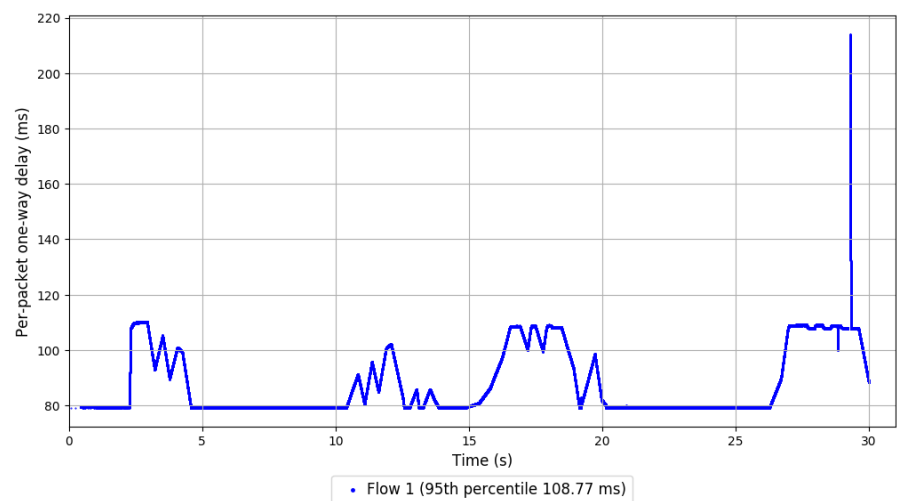
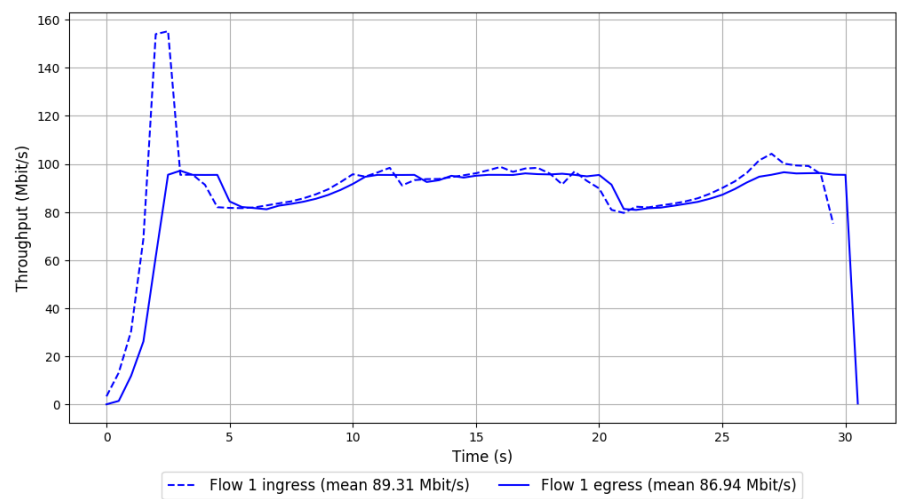


Run 3: Statistics of PCC-Expr

Start at: 2018-05-30 09:09:56
End at: 2018-05-30 09:10:26
Local clock offset: 0.256 ms
Remote clock offset: 12.129 ms

Below is generated by plot.py at 2018-05-30 11:45:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 108.767 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 108.767 ms
Loss rate: 2.62%

Run 3: Report of PCC-Expr — Data Link

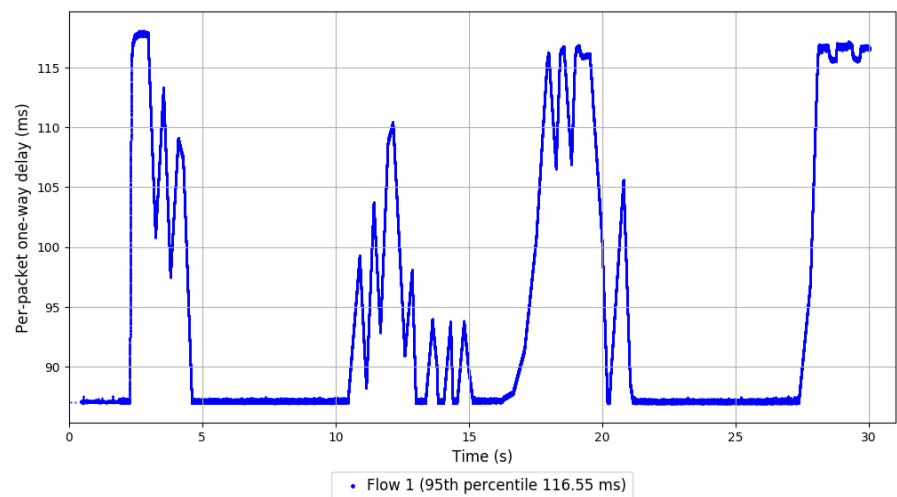
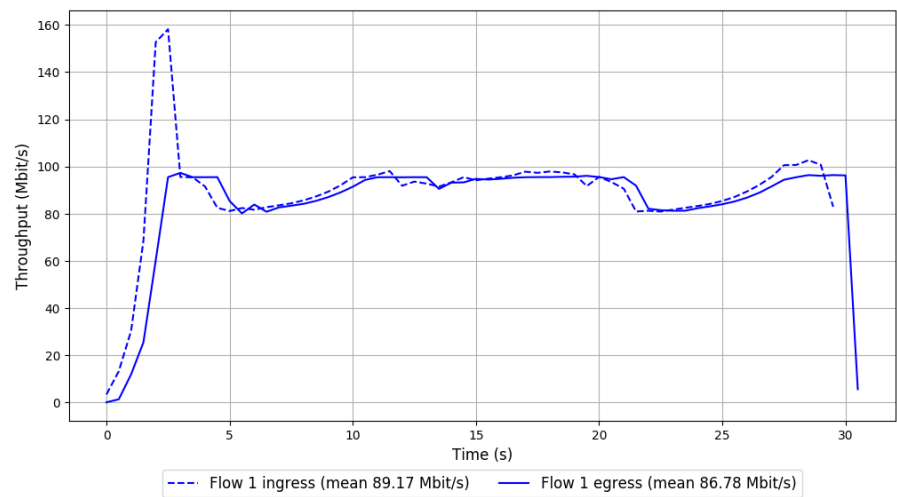


Run 4: Statistics of PCC-Expr

Start at: 2018-05-30 09:28:36
End at: 2018-05-30 09:29:06
Local clock offset: -0.928 ms
Remote clock offset: 19.688 ms

Below is generated by plot.py at 2018-05-30 11:45:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 116.549 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 116.549 ms
Loss rate: 2.58%

Run 4: Report of PCC-Expr — Data Link

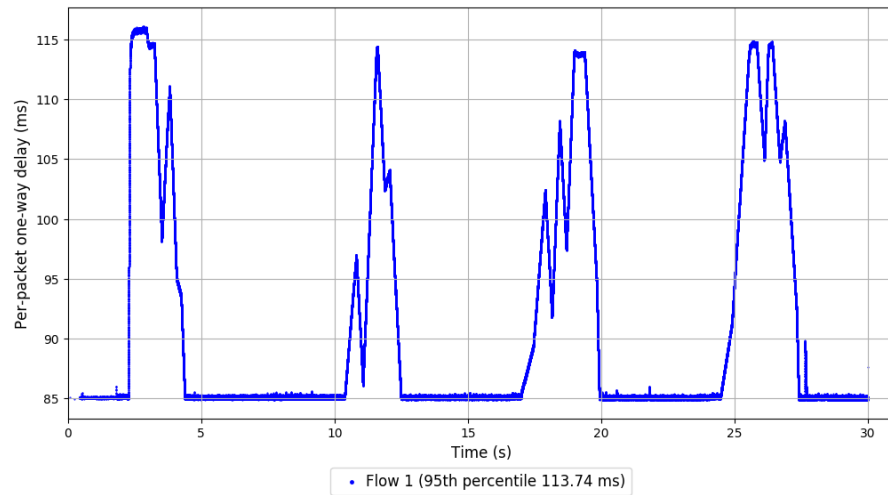
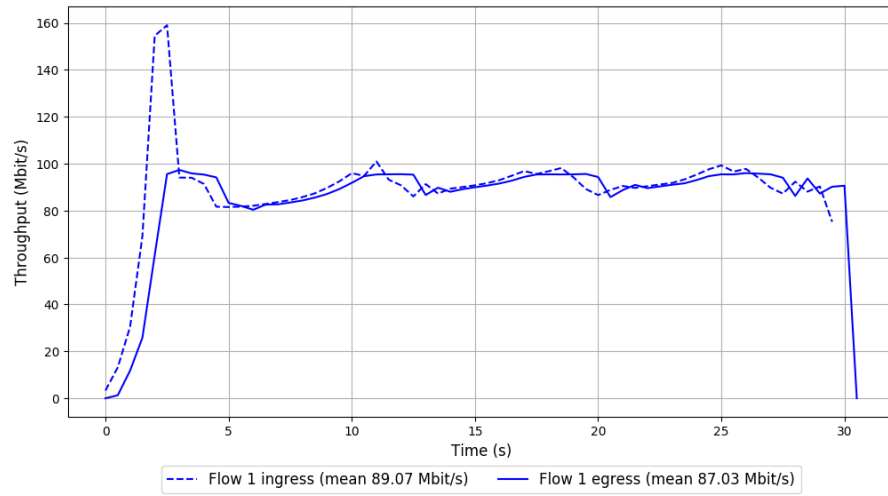


Run 5: Statistics of PCC-Expr

Start at: 2018-05-30 09:47:15
End at: 2018-05-30 09:47:45
Local clock offset: -1.598 ms
Remote clock offset: 20.383 ms

Below is generated by plot.py at 2018-05-30 11:45:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 113.743 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 113.743 ms
Loss rate: 2.28%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-30 10:05:54

End at: 2018-05-30 10:06:25

Local clock offset: -1.546 ms

Remote clock offset: 9.332 ms

Below is generated by plot.py at 2018-05-30 11:46:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.28 Mbit/s

95th percentile per-packet one-way delay: 113.045 ms

Loss rate: 2.41%

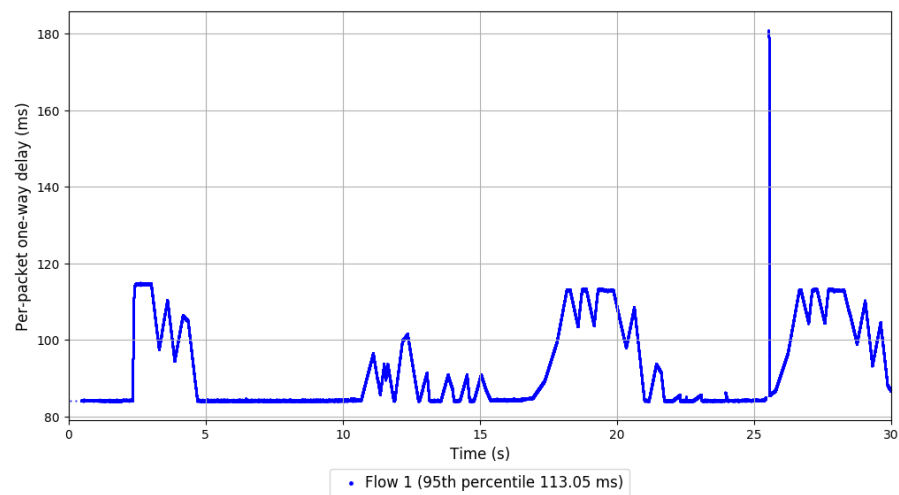
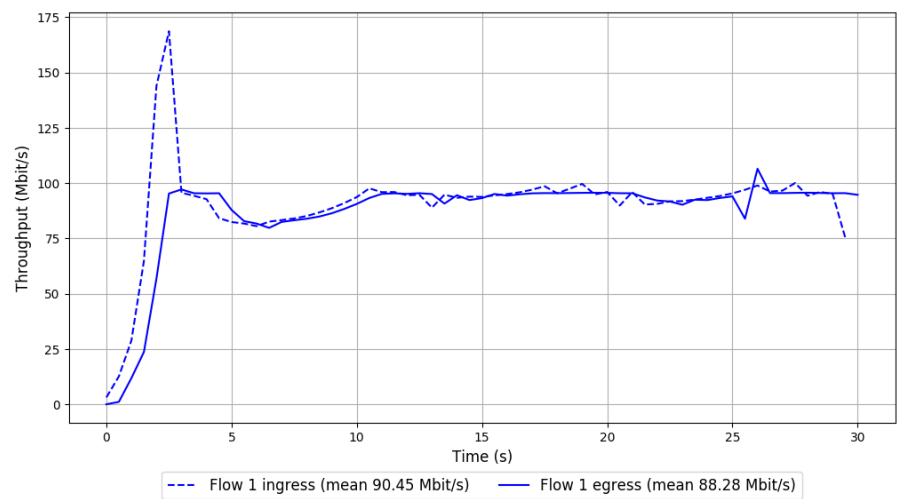
-- Flow 1:

Average throughput: 88.28 Mbit/s

95th percentile per-packet one-way delay: 113.045 ms

Loss rate: 2.41%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-30 10:24:35

End at: 2018-05-30 10:25:05

Local clock offset: -2.93 ms

Remote clock offset: 6.959 ms

Below is generated by plot.py at 2018-05-30 11:46:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.24 Mbit/s

95th percentile per-packet one-way delay: 109.314 ms

Loss rate: 2.25%

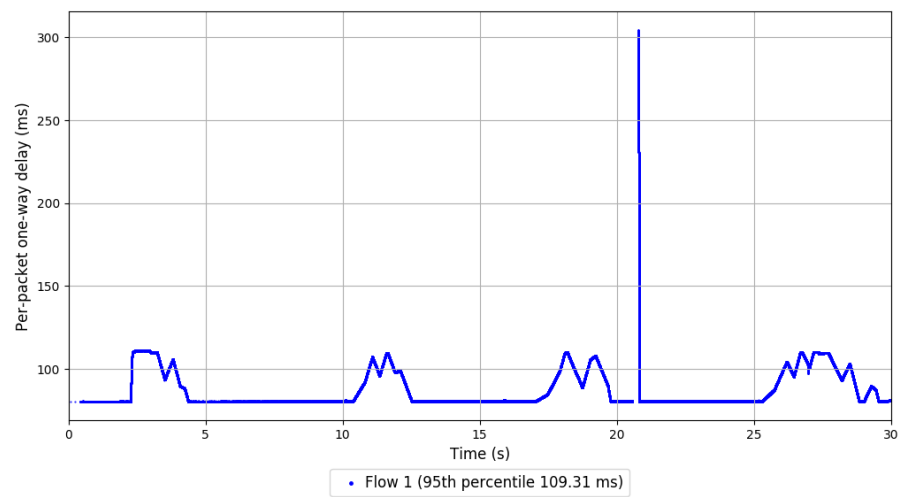
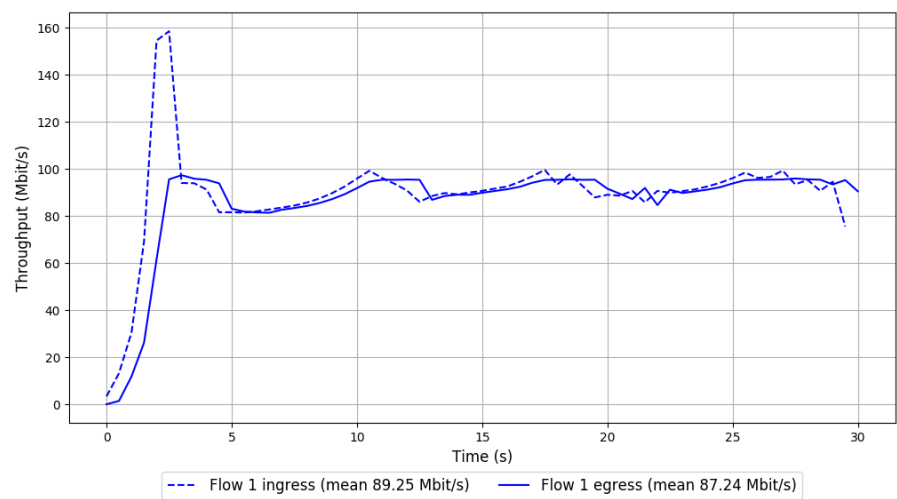
-- Flow 1:

Average throughput: 87.24 Mbit/s

95th percentile per-packet one-way delay: 109.314 ms

Loss rate: 2.25%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-05-30 10:43:21

End at: 2018-05-30 10:43:51

Local clock offset: -2.569 ms

Remote clock offset: 5.248 ms

Below is generated by plot.py at 2018-05-30 11:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 111.380 ms

Loss rate: 2.29%

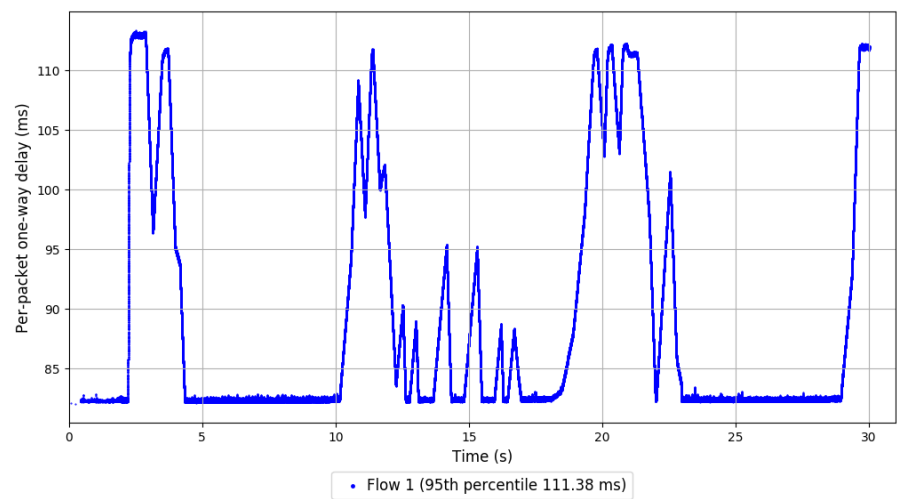
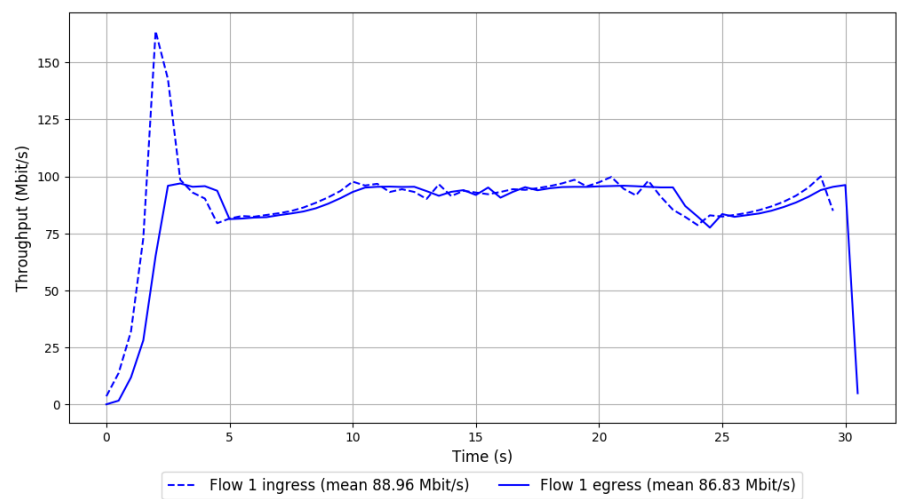
-- Flow 1:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 111.380 ms

Loss rate: 2.29%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-30 11:02:02

End at: 2018-05-30 11:02:32

Local clock offset: -2.97 ms

Remote clock offset: 6.13 ms

Below is generated by plot.py at 2018-05-30 11:47:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 117.651 ms

Loss rate: 2.35%

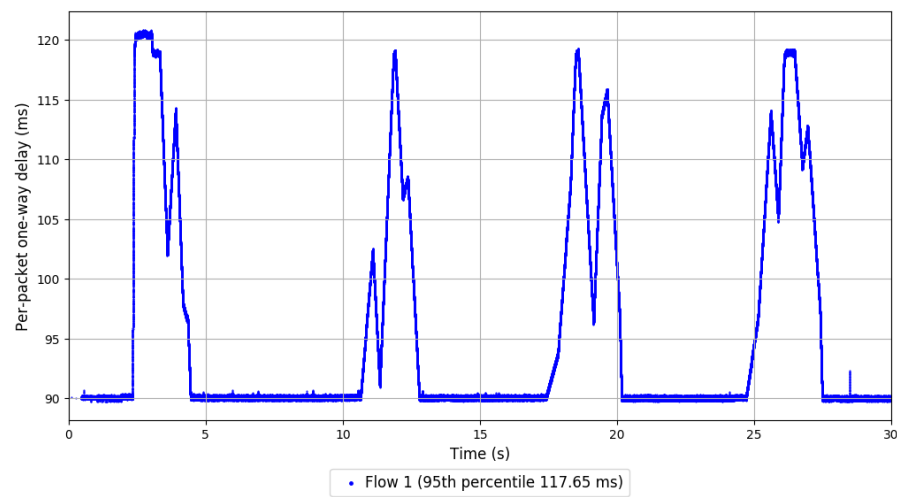
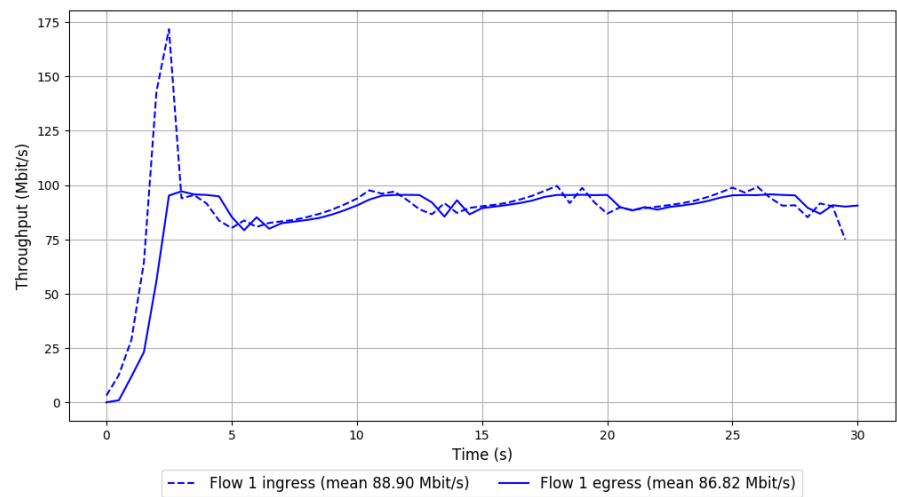
-- Flow 1:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 117.651 ms

Loss rate: 2.35%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-30 11:20:46

End at: 2018-05-30 11:21:16

Local clock offset: -6.428 ms

Remote clock offset: 2.355 ms

Below is generated by plot.py at 2018-05-30 11:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 106.534 ms

Loss rate: 2.17%

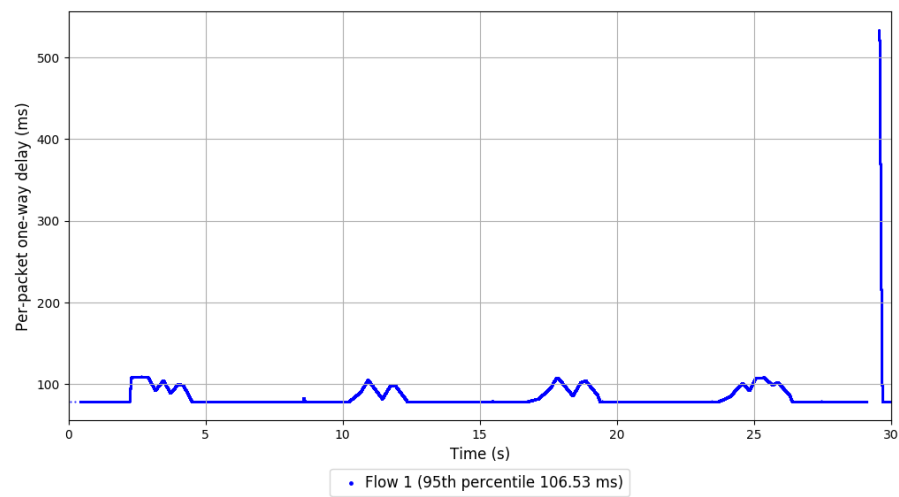
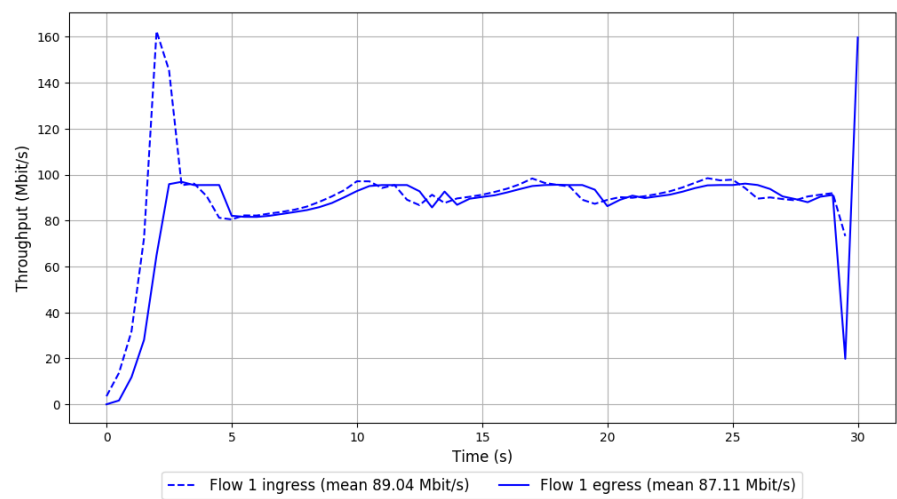
-- Flow 1:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 106.534 ms

Loss rate: 2.17%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-30 08:38:27

End at: 2018-05-30 08:38:57

Local clock offset: -1.525 ms

Remote clock offset: 3.772 ms

Below is generated by plot.py at 2018-05-30 11:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.26 Mbit/s

95th percentile per-packet one-way delay: 104.938 ms

Loss rate: 0.43%

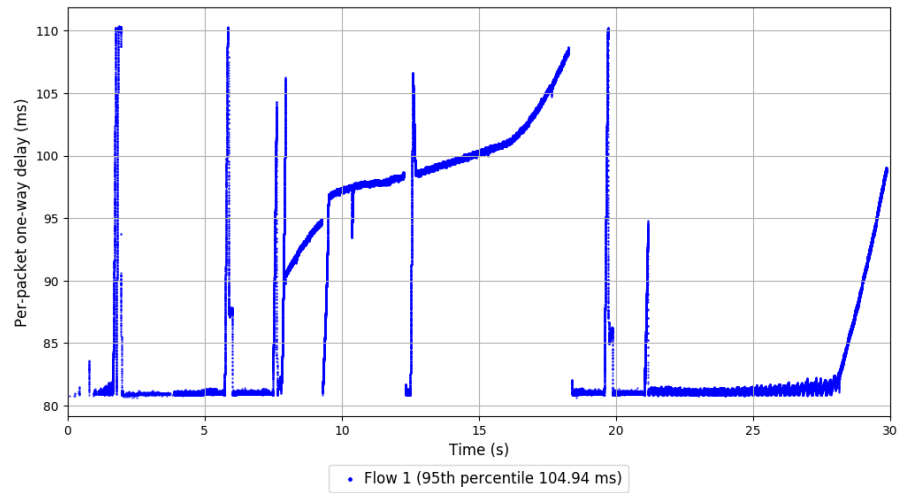
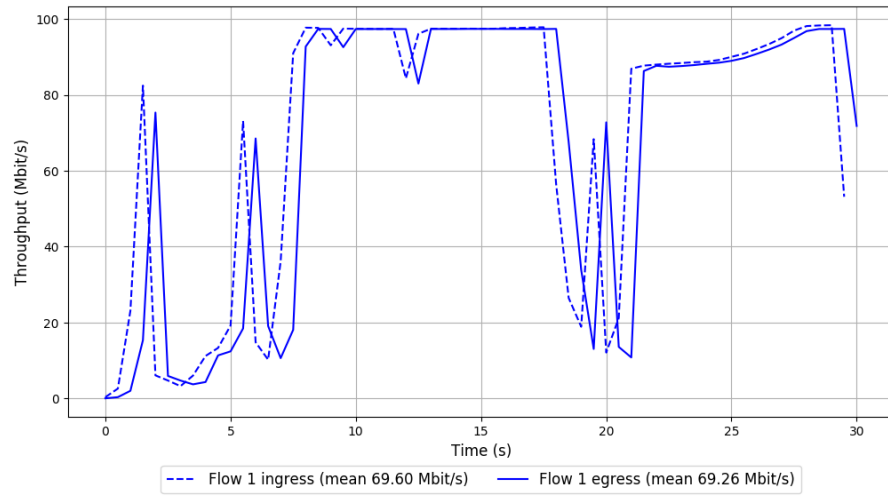
-- Flow 1:

Average throughput: 69.26 Mbit/s

95th percentile per-packet one-way delay: 104.938 ms

Loss rate: 0.43%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-30 08:57:08

End at: 2018-05-30 08:57:38

Local clock offset: -0.518 ms

Remote clock offset: 11.029 ms

Below is generated by plot.py at 2018-05-30 11:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.34 Mbit/s

95th percentile per-packet one-way delay: 104.075 ms

Loss rate: 0.44%

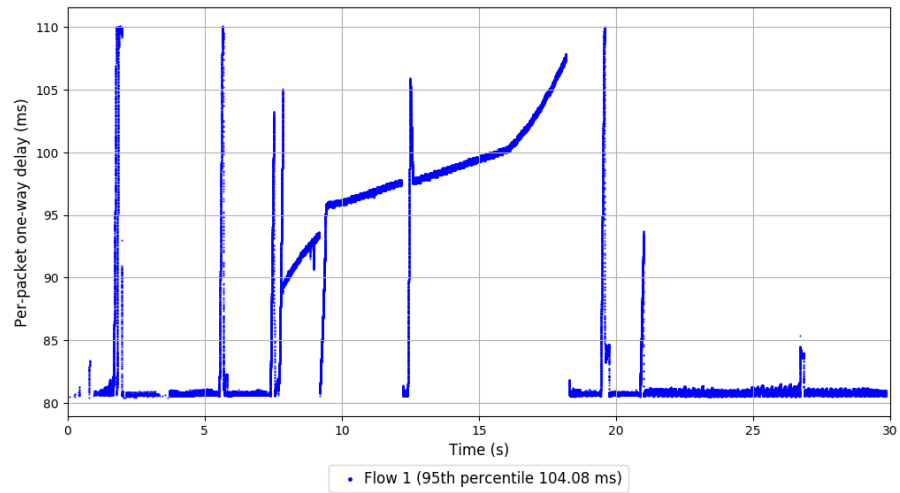
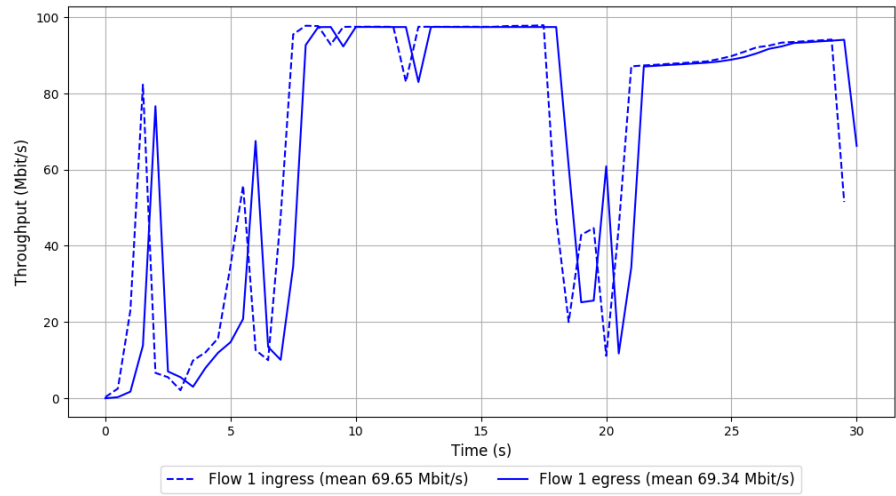
-- Flow 1:

Average throughput: 69.34 Mbit/s

95th percentile per-packet one-way delay: 104.075 ms

Loss rate: 0.44%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-30 09:15:48

End at: 2018-05-30 09:16:18

Local clock offset: -0.209 ms

Remote clock offset: 13.542 ms

Below is generated by plot.py at 2018-05-30 11:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.21 Mbit/s

95th percentile per-packet one-way delay: 105.004 ms

Loss rate: 0.41%

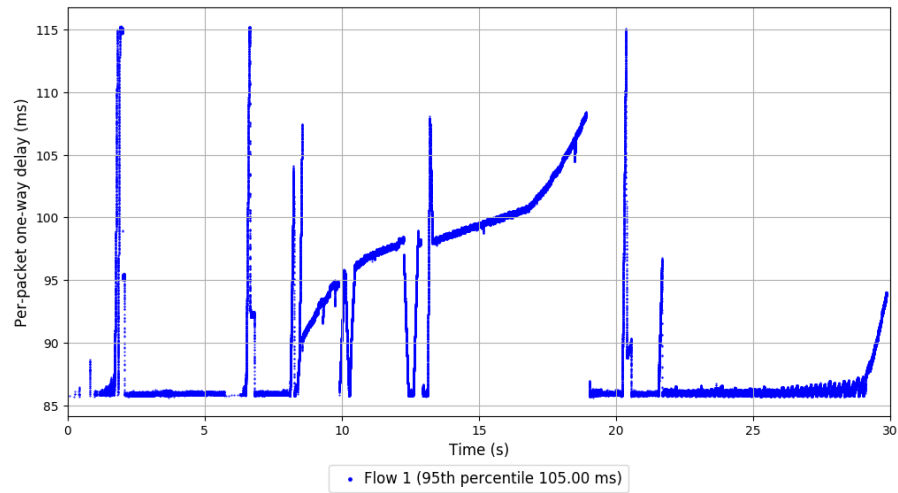
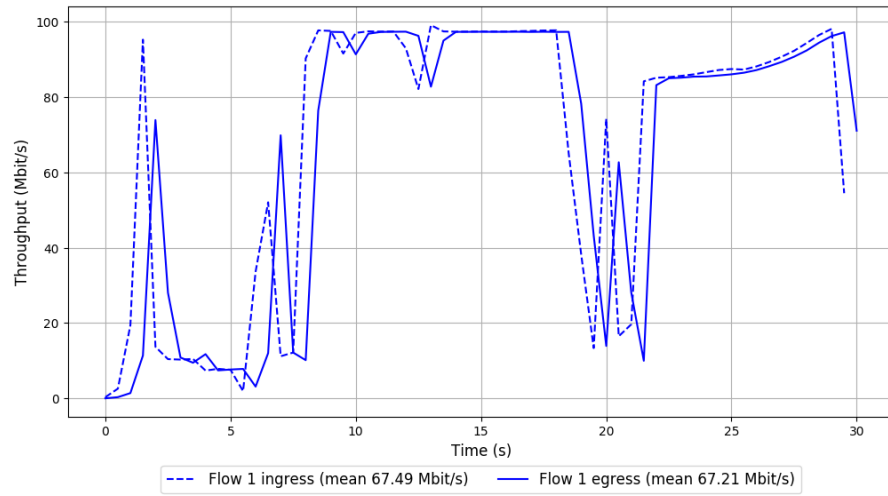
-- Flow 1:

Average throughput: 67.21 Mbit/s

95th percentile per-packet one-way delay: 105.004 ms

Loss rate: 0.41%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-30 09:34:28

End at: 2018-05-30 09:34:58

Local clock offset: -0.809 ms

Remote clock offset: 14.309 ms

Below is generated by plot.py at 2018-05-30 11:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 100.045 ms

Loss rate: 0.43%

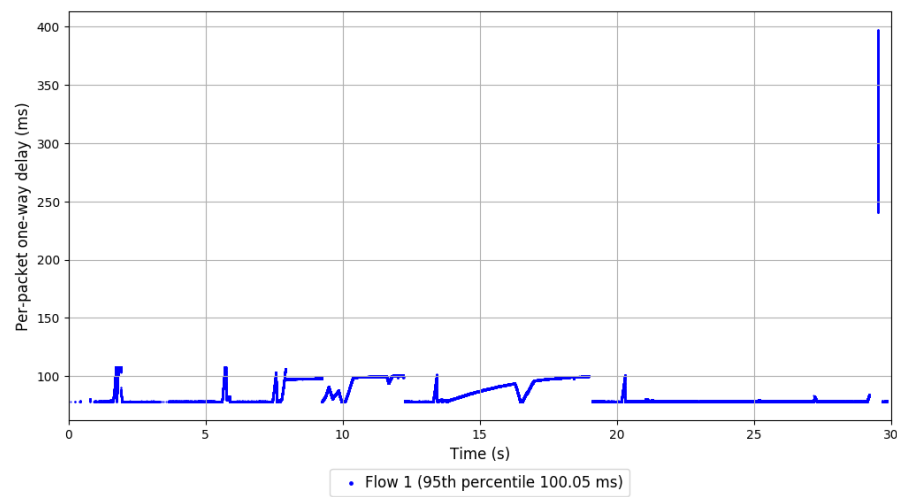
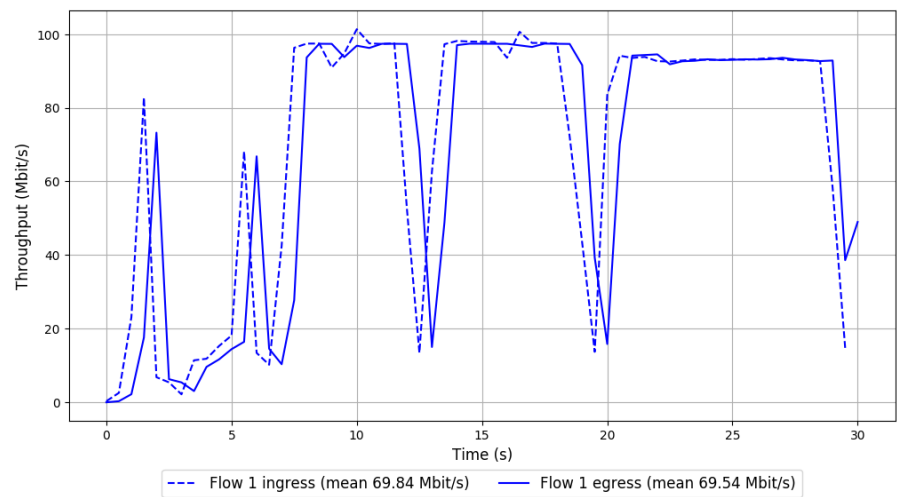
-- Flow 1:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 100.045 ms

Loss rate: 0.43%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-30 09:53:06

End at: 2018-05-30 09:53:36

Local clock offset: -2.374 ms

Remote clock offset: 13.87 ms

Below is generated by plot.py at 2018-05-30 11:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.72 Mbit/s

95th percentile per-packet one-way delay: 101.839 ms

Loss rate: 0.38%

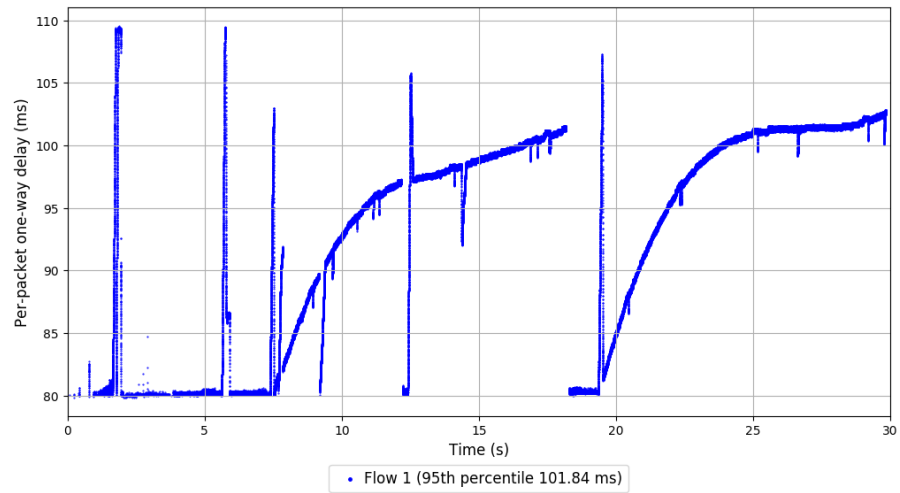
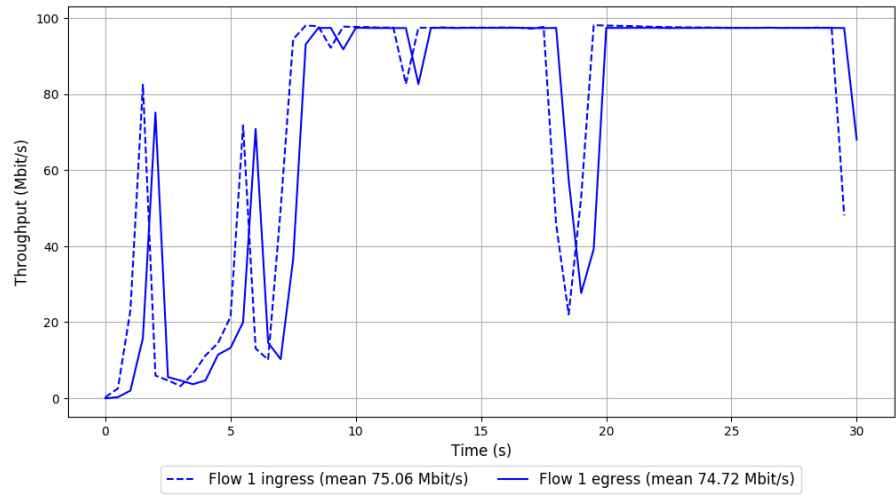
-- Flow 1:

Average throughput: 74.72 Mbit/s

95th percentile per-packet one-way delay: 101.839 ms

Loss rate: 0.38%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-30 10:11:46

End at: 2018-05-30 10:12:16

Local clock offset: -1.476 ms

Remote clock offset: 9.532 ms

Below is generated by plot.py at 2018-05-30 11:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 94.351 ms

Loss rate: 0.53%

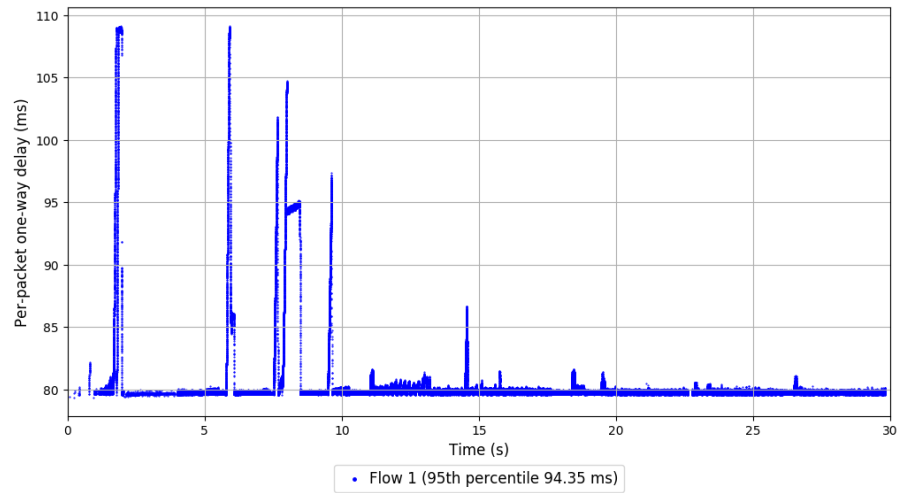
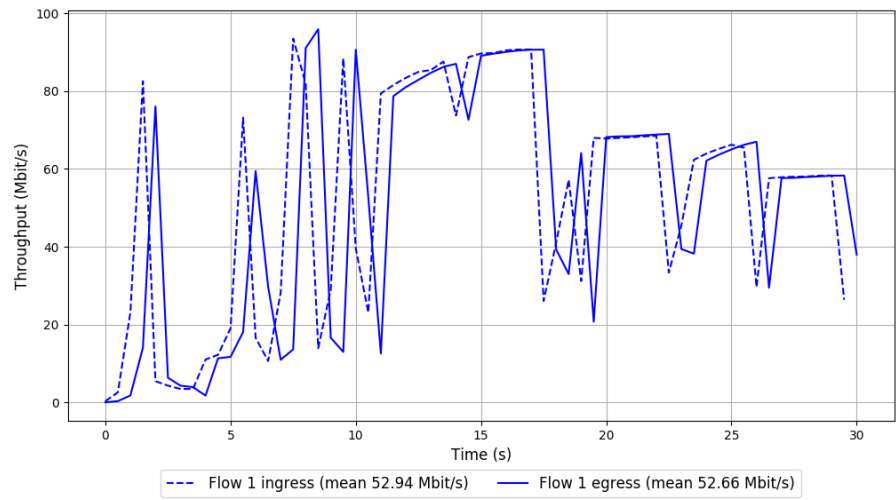
-- Flow 1:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 94.351 ms

Loss rate: 0.53%

Run 6: Report of QUIC Cubic — Data Link

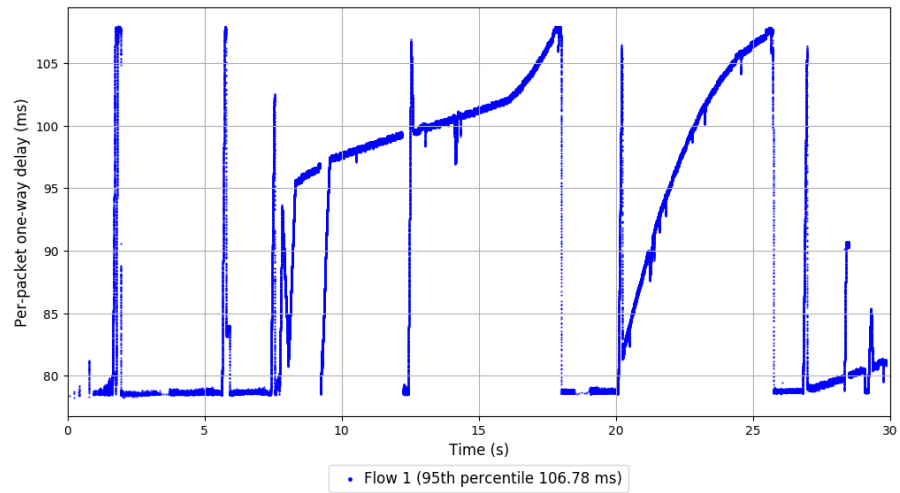
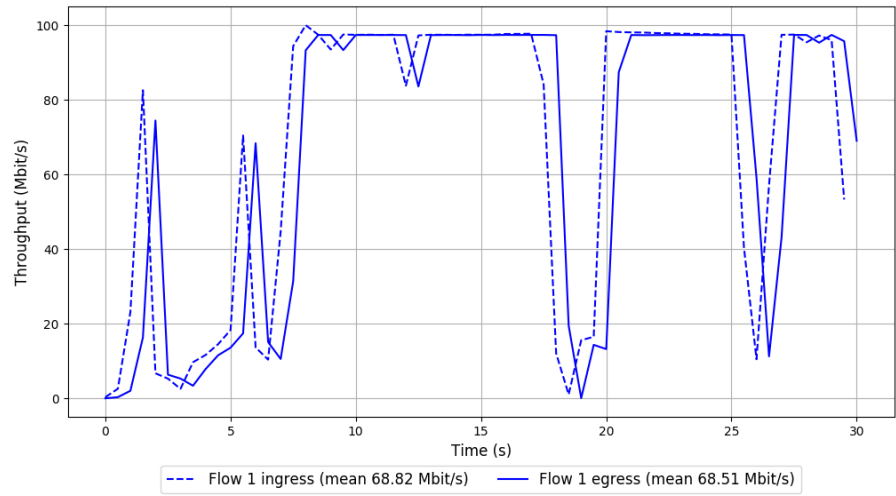


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-30 10:30:31
End at: 2018-05-30 10:31:02
Local clock offset: -2.974 ms
Remote clock offset: 4.266 ms

Below is generated by plot.py at 2018-05-30 11:47:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 106.779 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 106.779 ms
Loss rate: 0.43%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-30 10:49:14

End at: 2018-05-30 10:49:44

Local clock offset: -1.605 ms

Remote clock offset: 4.551 ms

Below is generated by plot.py at 2018-05-30 11:47:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.53 Mbit/s

95th percentile per-packet one-way delay: 106.277 ms

Loss rate: 0.47%

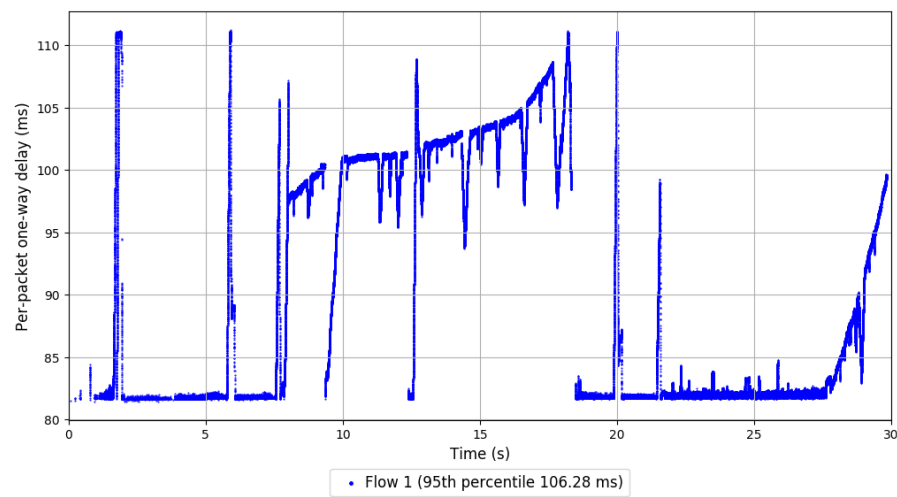
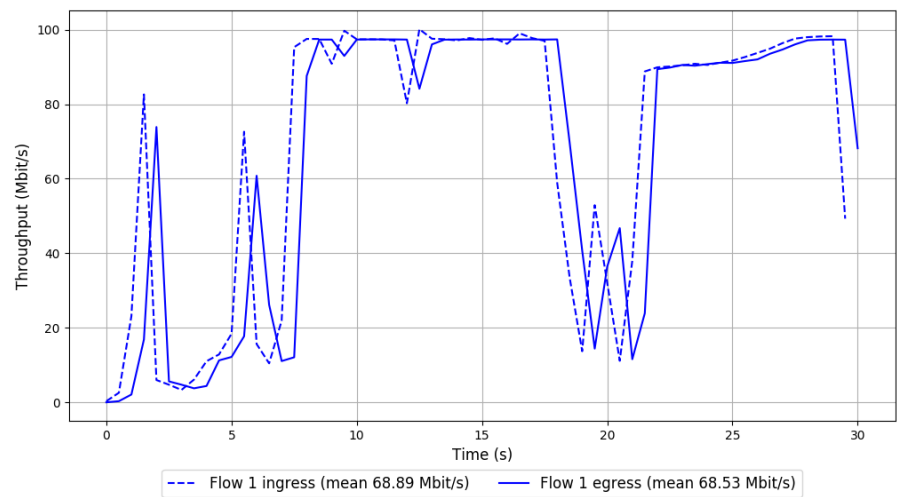
-- Flow 1:

Average throughput: 68.53 Mbit/s

95th percentile per-packet one-way delay: 106.277 ms

Loss rate: 0.47%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-30 11:07:54

End at: 2018-05-30 11:08:24

Local clock offset: -2.933 ms

Remote clock offset: 6.059 ms

Below is generated by plot.py at 2018-05-30 11:48:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 104.527 ms

Loss rate: 0.36%

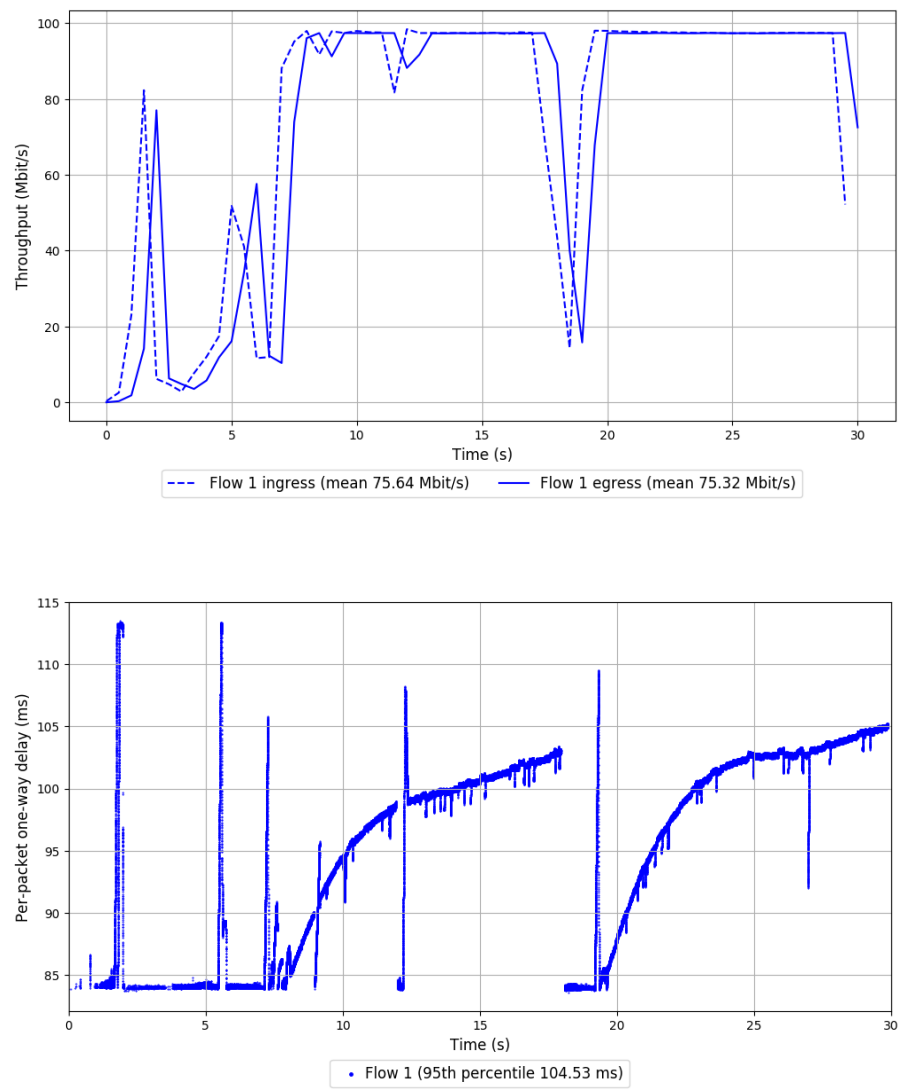
-- Flow 1:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 104.527 ms

Loss rate: 0.36%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-30 11:26:39

End at: 2018-05-30 11:27:09

Local clock offset: -8.013 ms

Remote clock offset: 2.317 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.13 Mbit/s

95th percentile per-packet one-way delay: 86.621 ms

Loss rate: 0.39%

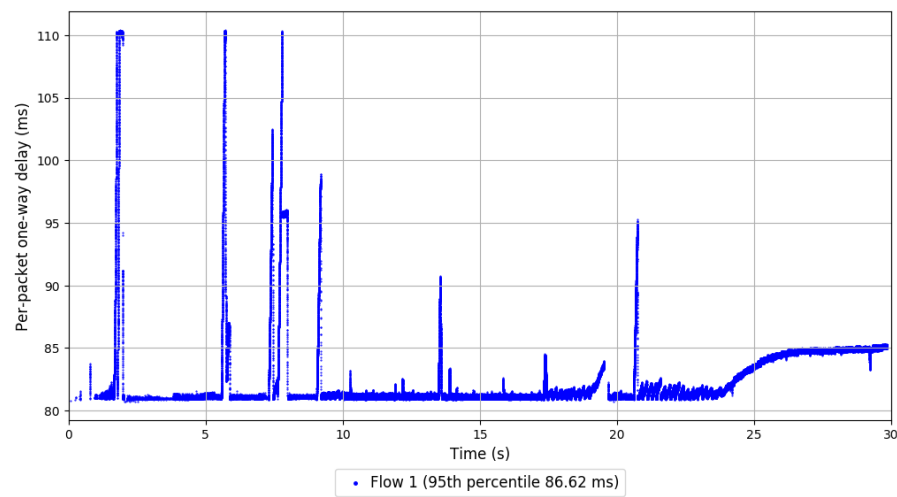
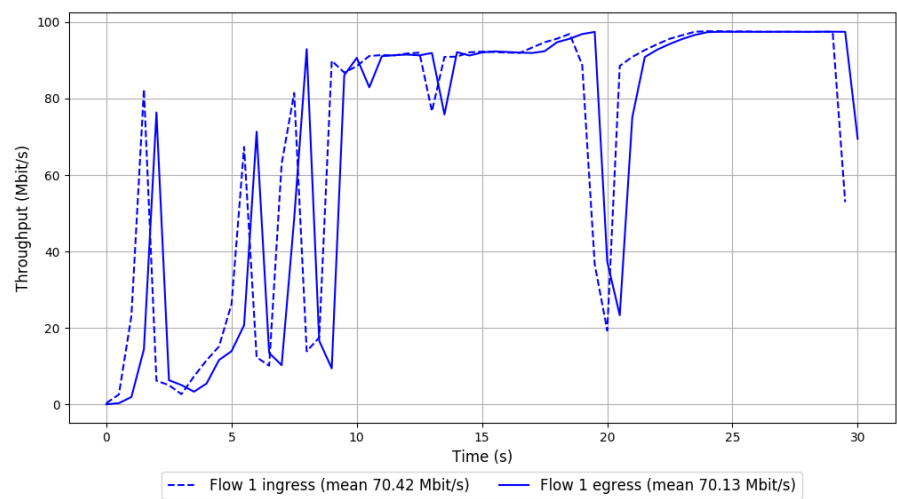
-- Flow 1:

Average throughput: 70.13 Mbit/s

95th percentile per-packet one-way delay: 86.621 ms

Loss rate: 0.39%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-30 08:26:41

End at: 2018-05-30 08:27:11

Local clock offset: -0.679 ms

Remote clock offset: 3.685 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.717 ms

Loss rate: 0.00%

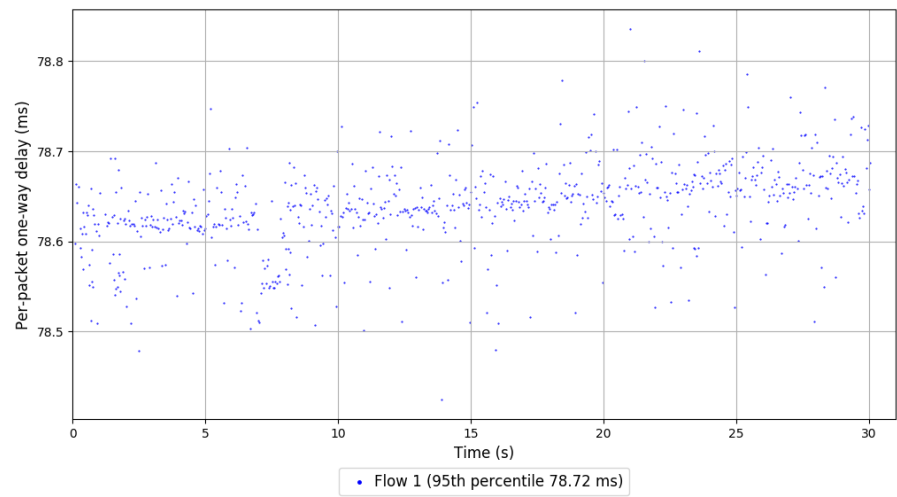
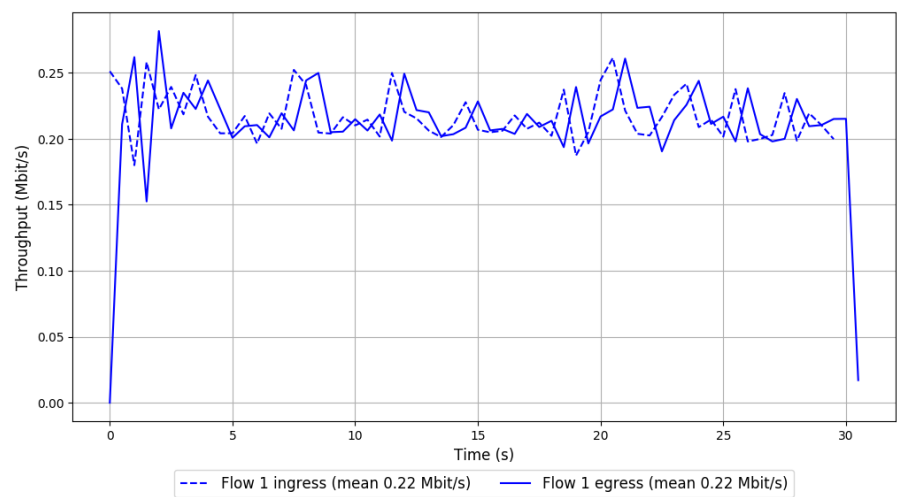
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.717 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-05-30 08:45:23

End at: 2018-05-30 08:45:53

Local clock offset: -0.13 ms

Remote clock offset: 12.58 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.226 ms

Loss rate: 0.13%

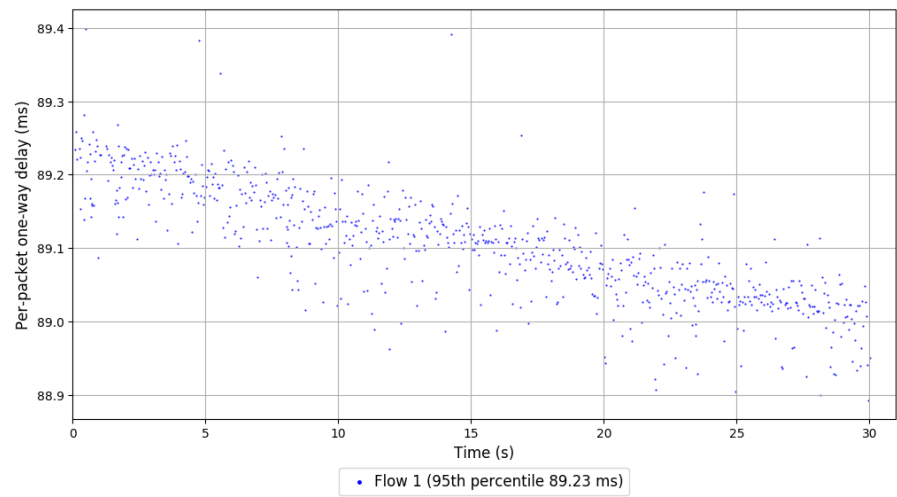
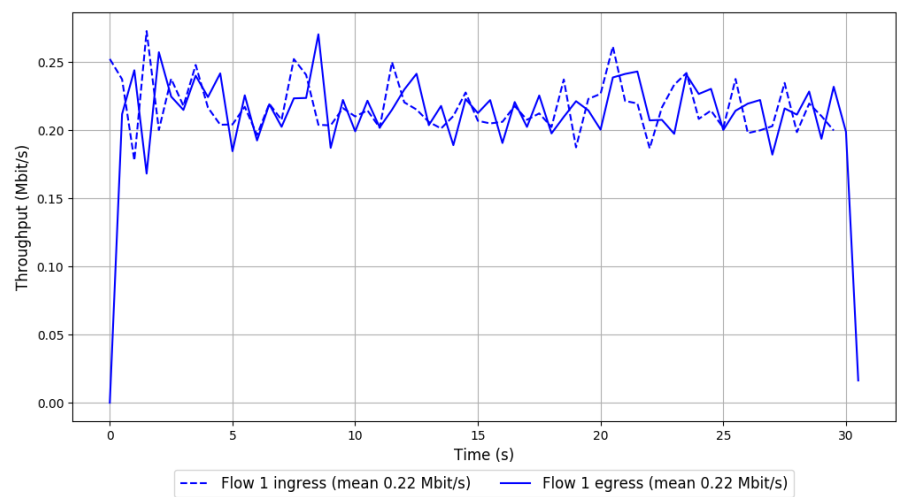
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.226 ms

Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

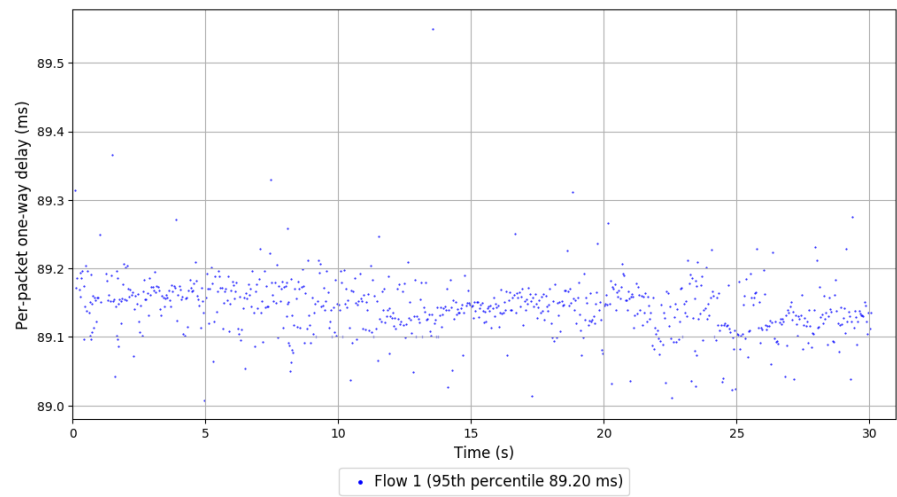
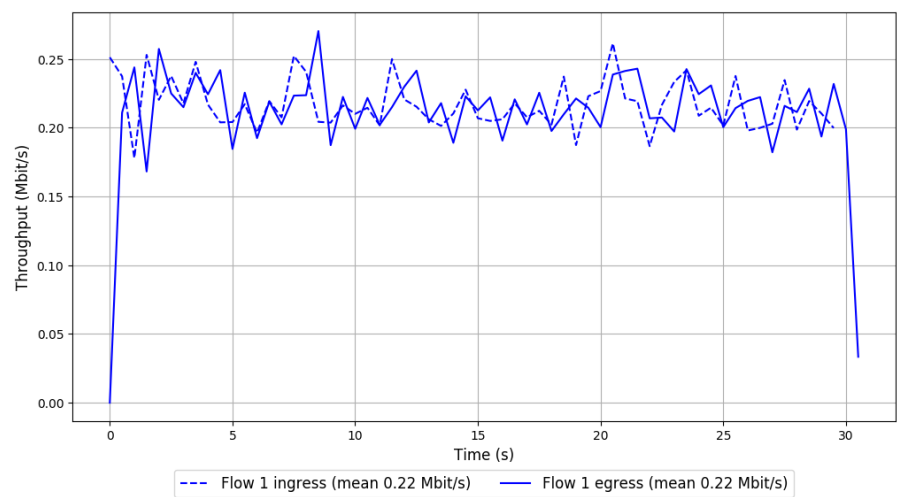


Run 3: Statistics of SCReAM

Start at: 2018-05-30 09:04:03
End at: 2018-05-30 09:04:34
Local clock offset: 0.615 ms
Remote clock offset: 17.143 ms

Below is generated by plot.py at 2018-05-30 11:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.199 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-30 09:22:43

End at: 2018-05-30 09:23:13

Local clock offset: -1.071 ms

Remote clock offset: 13.43 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.212 ms

Loss rate: 0.00%

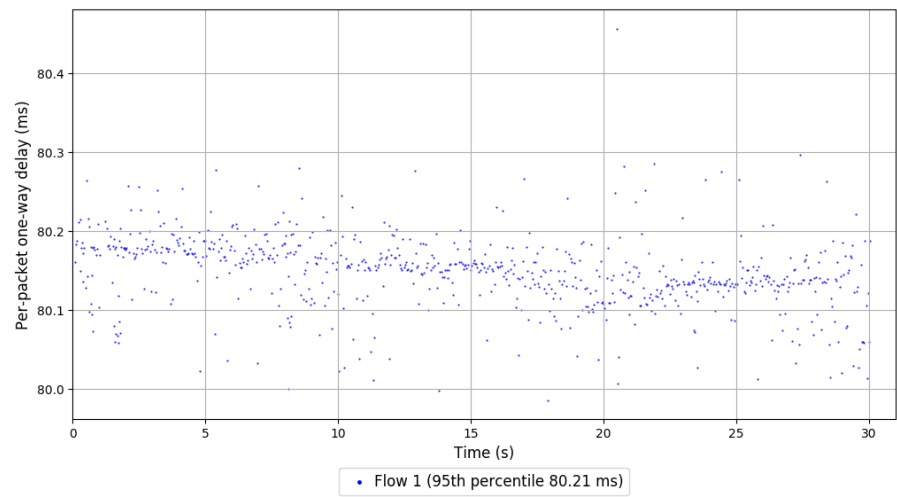
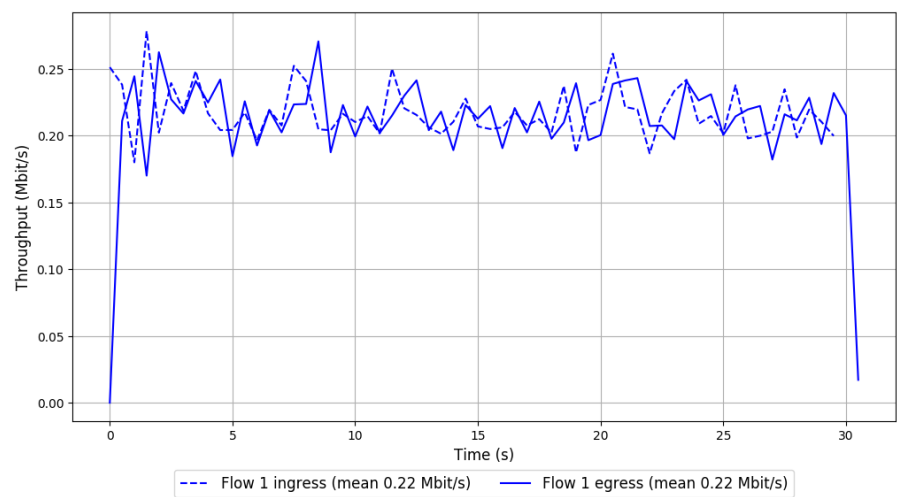
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.212 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

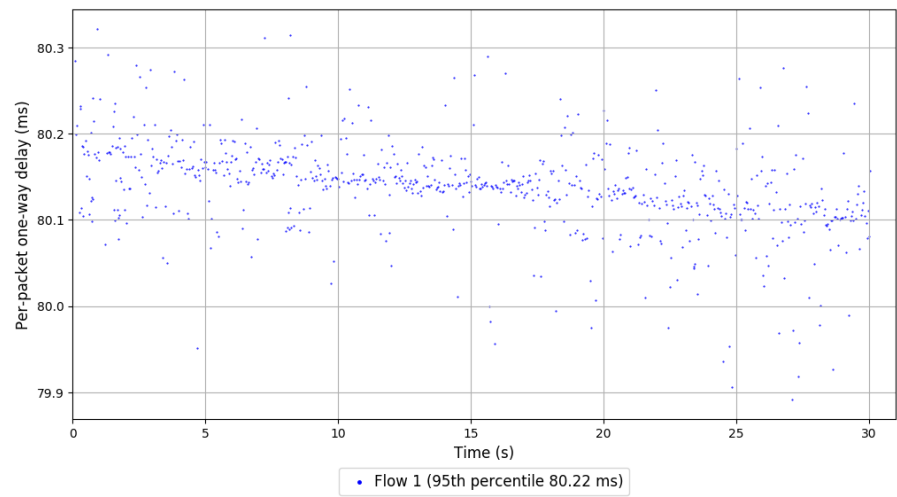
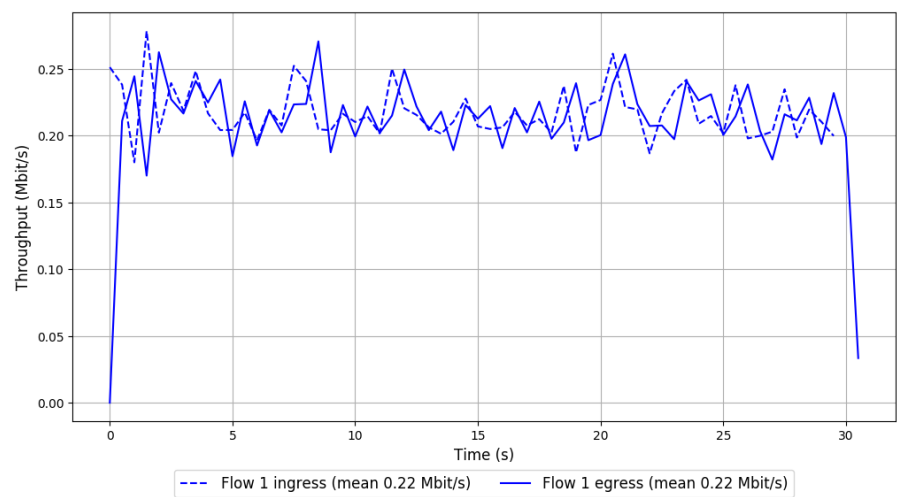


Run 5: Statistics of SCReAM

Start at: 2018-05-30 09:41:23
End at: 2018-05-30 09:41:53
Local clock offset: -0.484 ms
Remote clock offset: 15.843 ms

Below is generated by plot.py at 2018-05-30 11:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.220 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

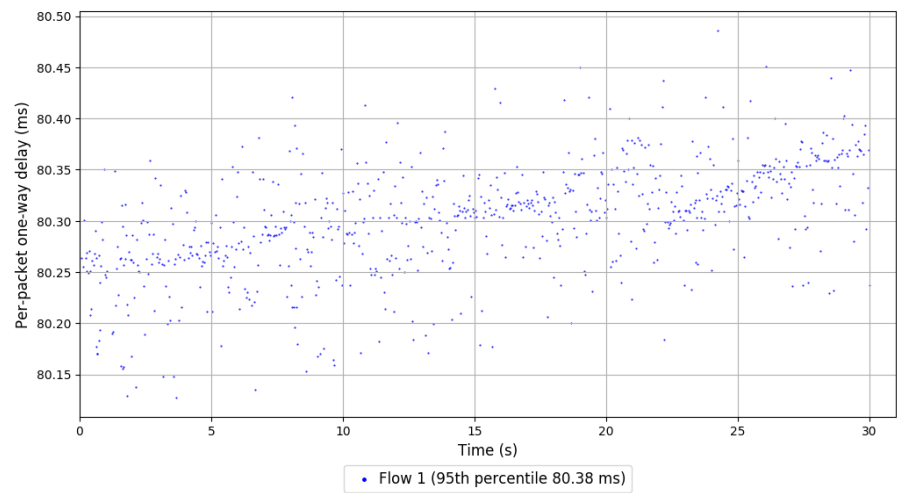
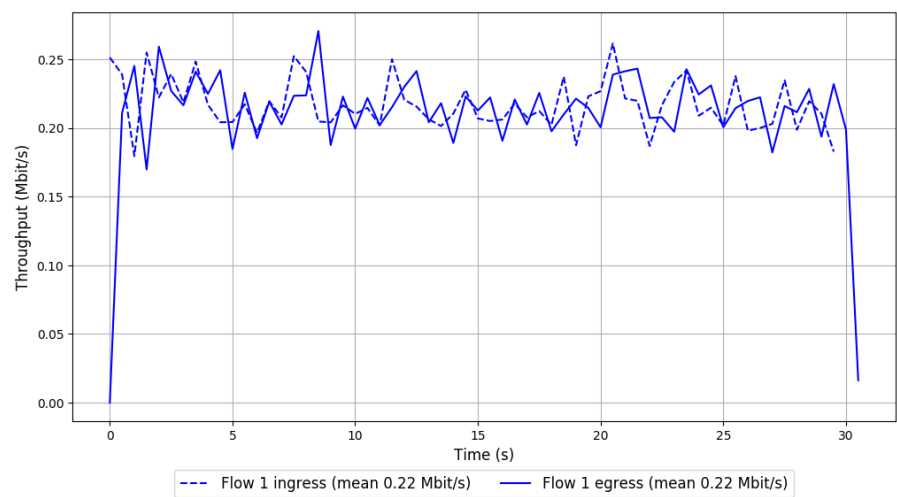


Run 6: Statistics of SCReAM

Start at: 2018-05-30 10:00:02
End at: 2018-05-30 10:00:32
Local clock offset: -2.427 ms
Remote clock offset: 11.215 ms

Below is generated by plot.py at 2018-05-30 11:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.379 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-30 10:18:40

End at: 2018-05-30 10:19:10

Local clock offset: -2.671 ms

Remote clock offset: 8.128 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.690 ms

Loss rate: 0.00%

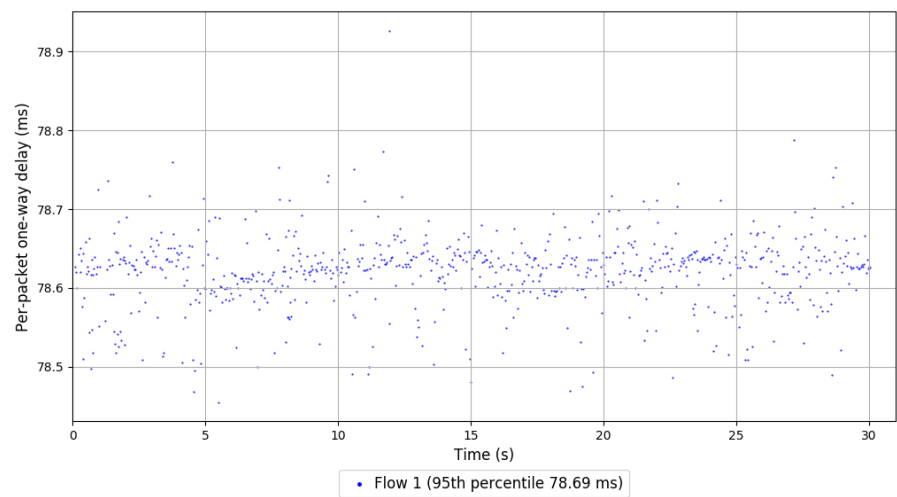
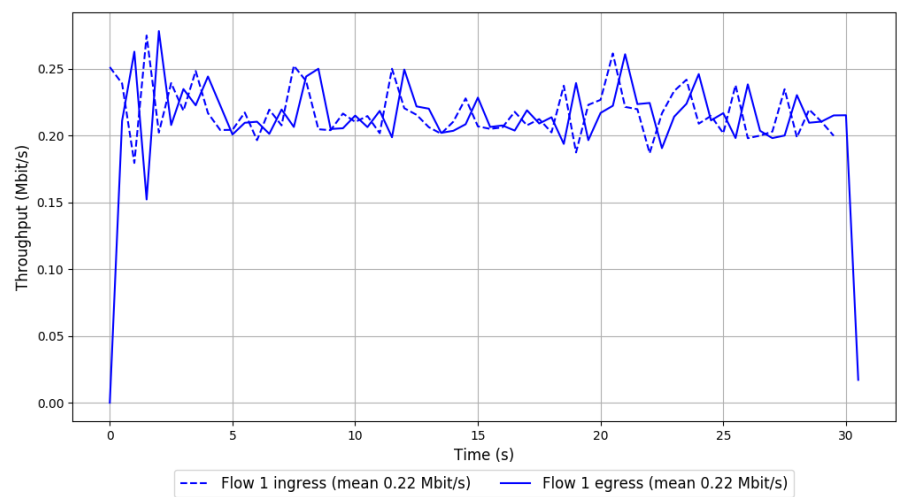
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.690 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-30 10:37:27

End at: 2018-05-30 10:37:57

Local clock offset: -2.936 ms

Remote clock offset: 7.328 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.194 ms

Loss rate: 0.00%

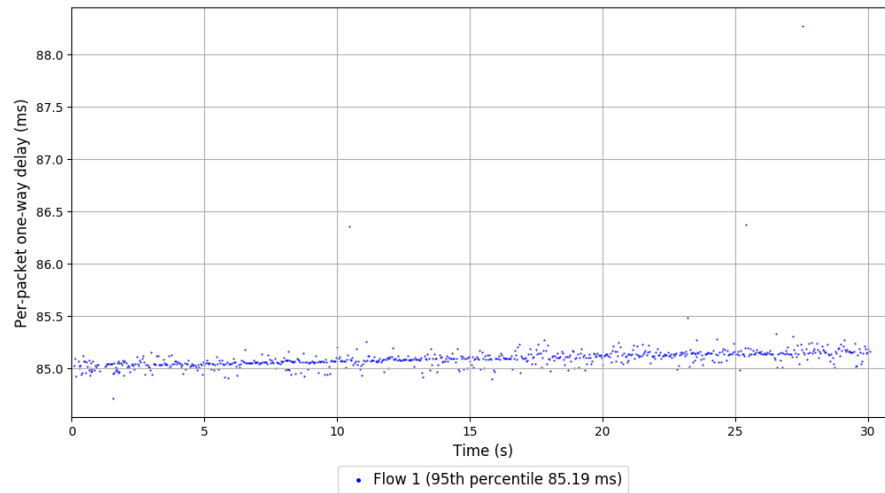
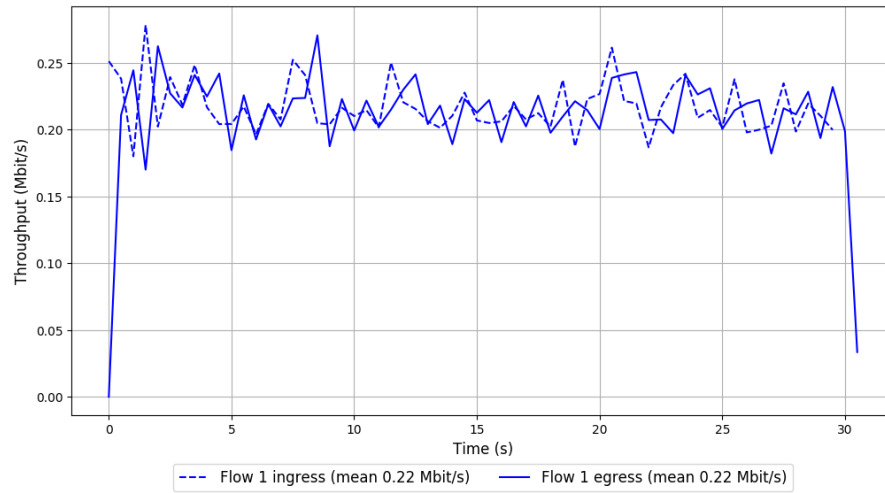
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.194 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-30 10:56:10

End at: 2018-05-30 10:56:40

Local clock offset: -1.439 ms

Remote clock offset: 0.652 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.666 ms

Loss rate: 0.00%

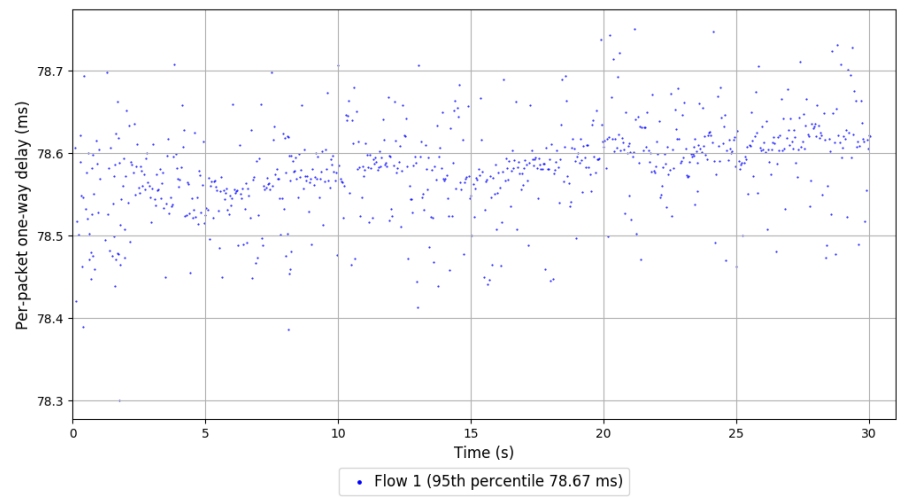
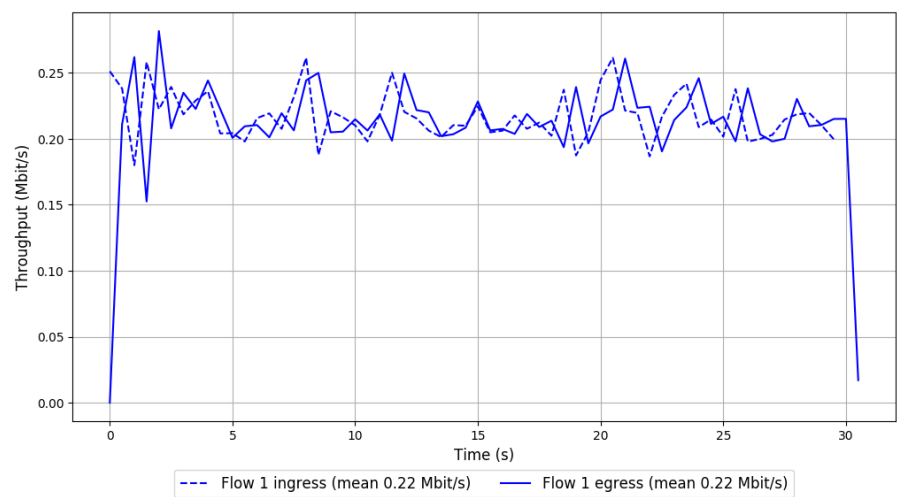
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.666 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-30 11:14:49

End at: 2018-05-30 11:15:19

Local clock offset: -4.513 ms

Remote clock offset: 6.384 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.117 ms

Loss rate: 0.00%

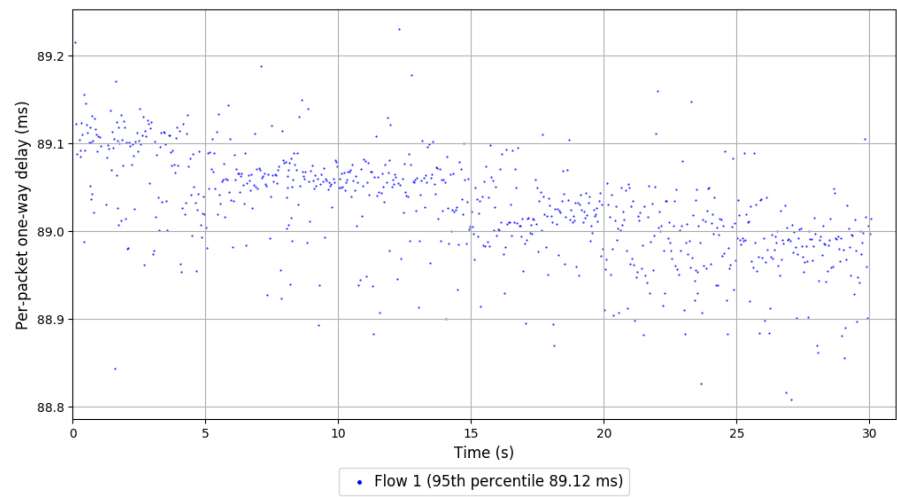
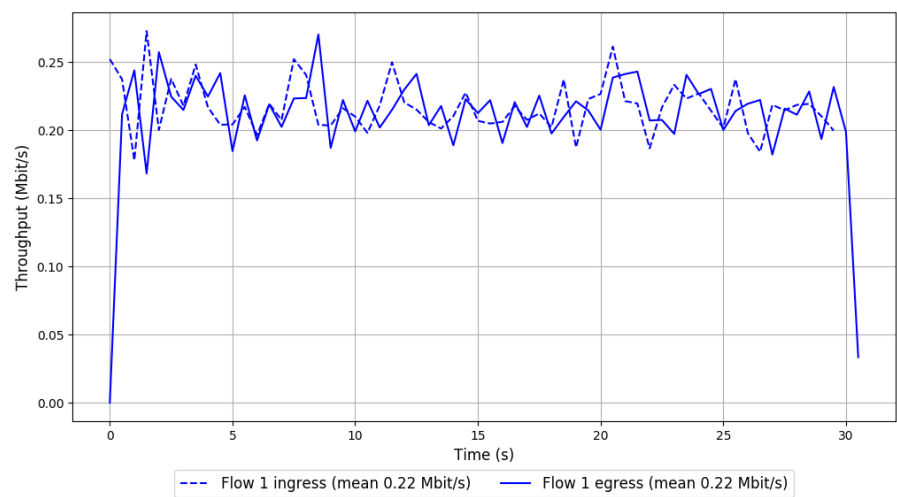
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.117 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-30 08:37:21

End at: 2018-05-30 08:37:51

Local clock offset: 0.158 ms

Remote clock offset: 3.684 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 85.724 ms

Loss rate: 0.24%

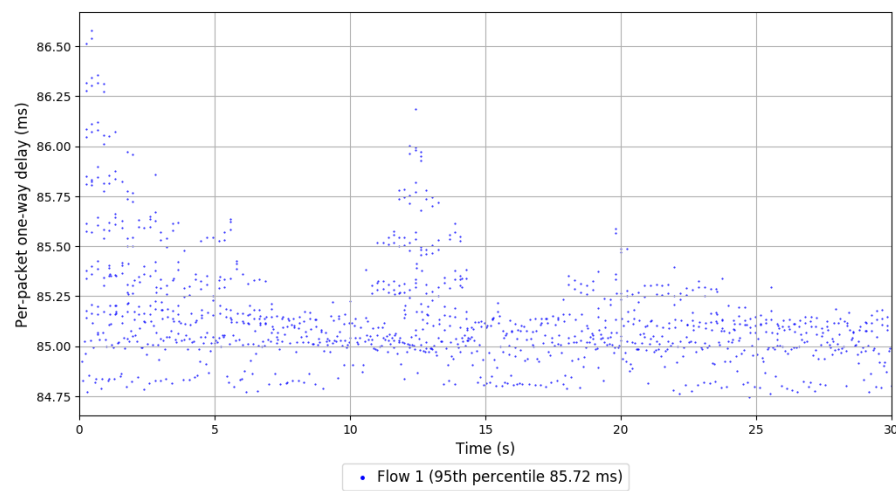
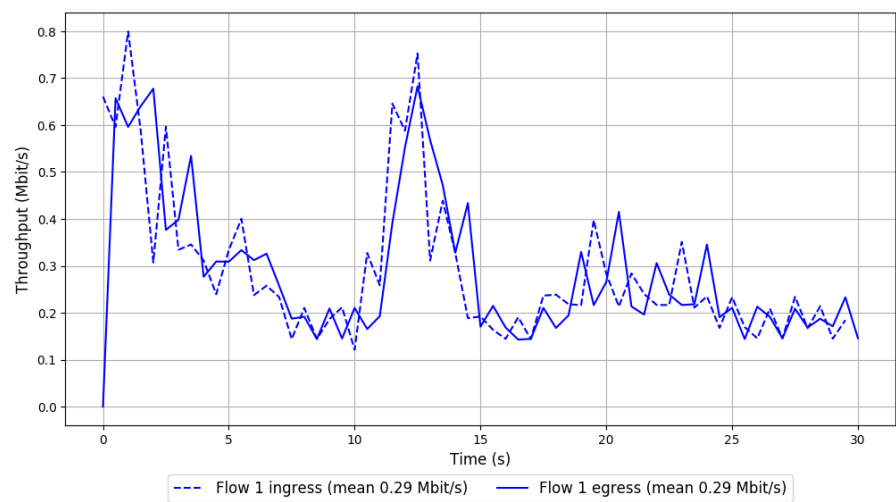
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 85.724 ms

Loss rate: 0.24%

Run 1: Report of Sprout — Data Link

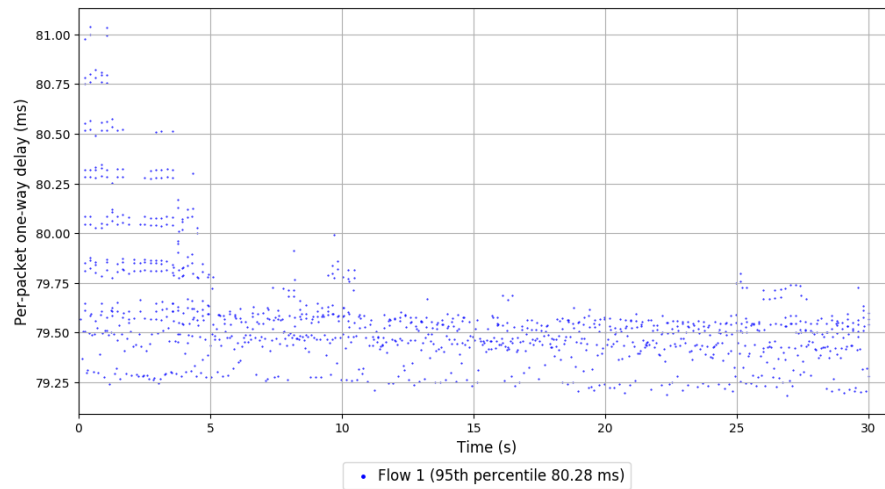
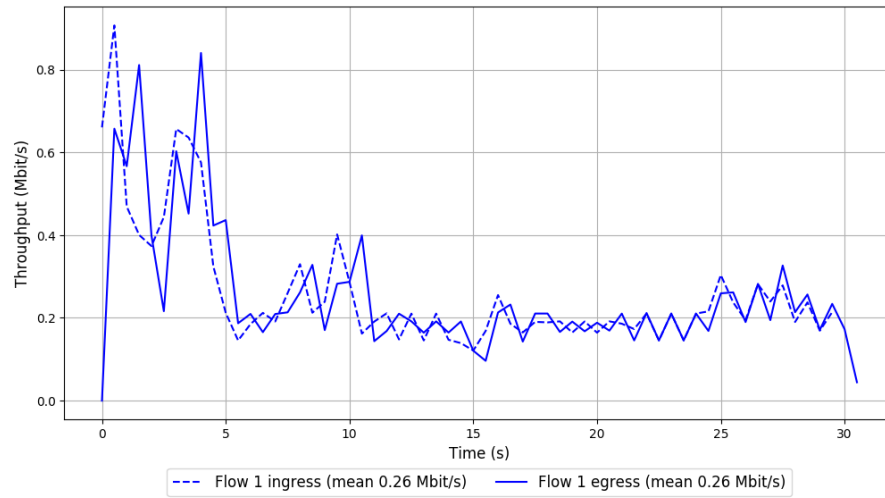


Run 2: Statistics of Sprout

Start at: 2018-05-30 08:56:01
End at: 2018-05-30 08:56:31
Local clock offset: -0.575 ms
Remote clock offset: 11.054 ms

Below is generated by plot.py at 2018-05-30 11:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 80.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 80.279 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

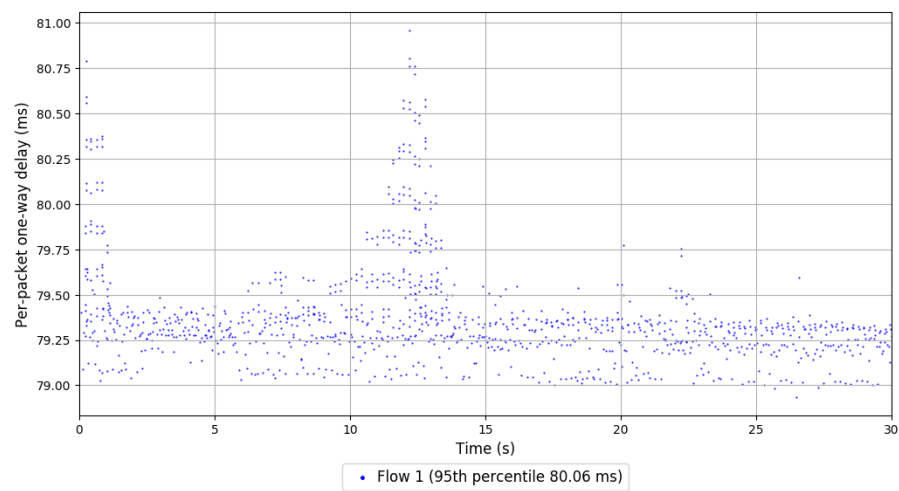
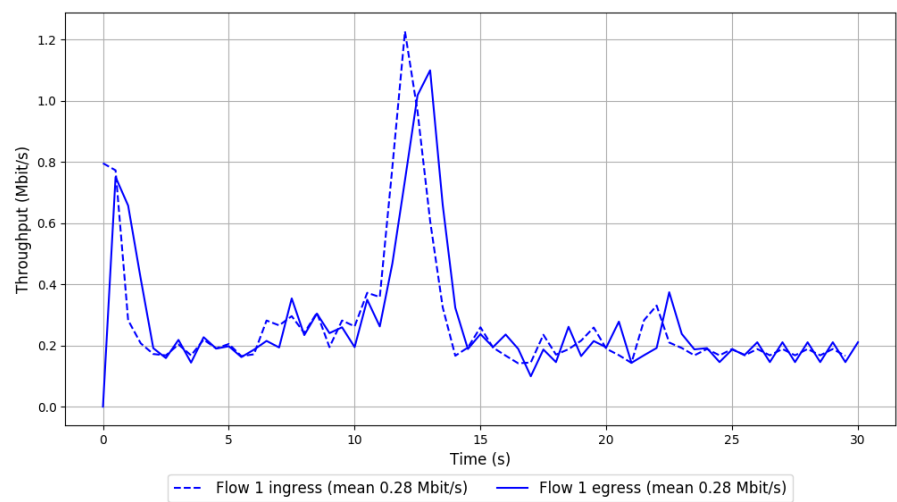


Run 3: Statistics of Sprout

Start at: 2018-05-30 09:14:41
End at: 2018-05-30 09:15:11
Local clock offset: -0.916 ms
Remote clock offset: 13.381 ms

Below is generated by plot.py at 2018-05-30 11:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 80.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 80.055 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

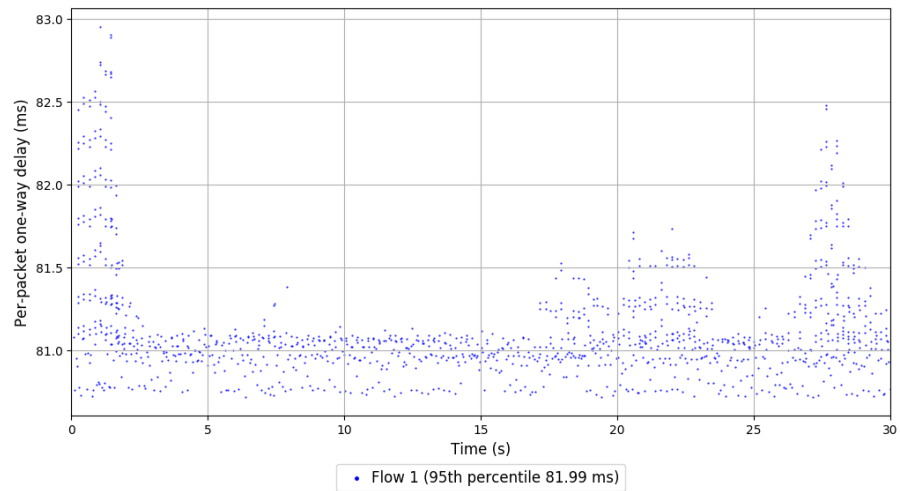
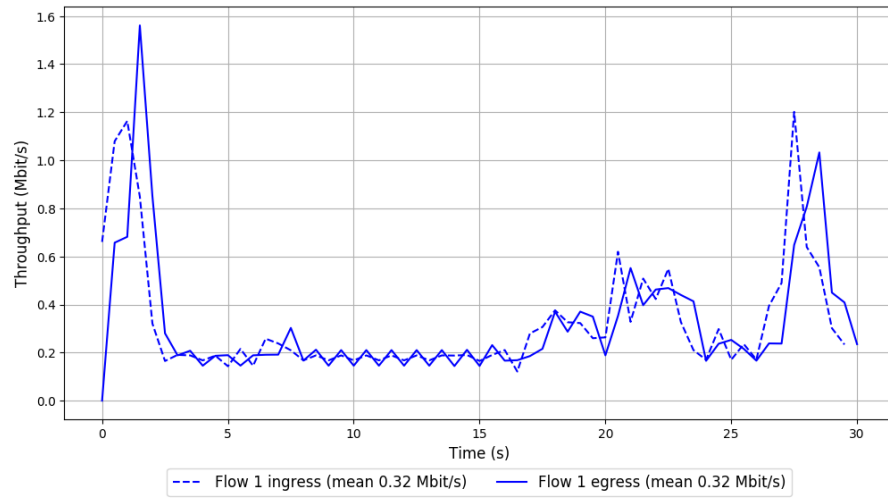


Run 4: Statistics of Sprout

Start at: 2018-05-30 09:33:21
End at: 2018-05-30 09:33:51
Local clock offset: -0.823 ms
Remote clock offset: 15.179 ms

Below is generated by plot.py at 2018-05-30 11:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 81.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 81.992 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

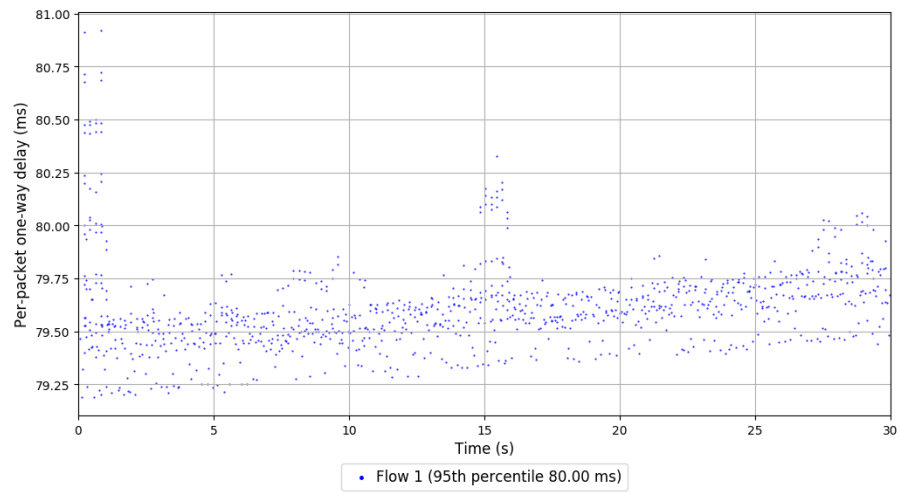
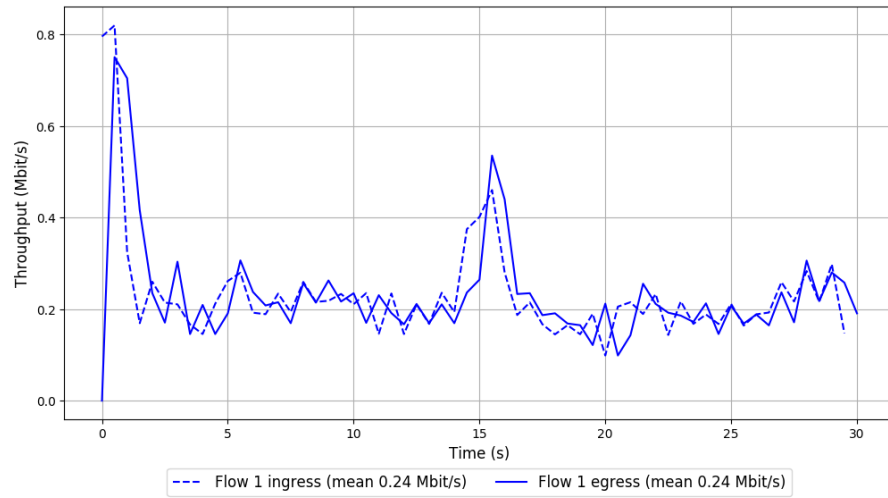


Run 5: Statistics of Sprout

Start at: 2018-05-30 09:52:00
End at: 2018-05-30 09:52:30
Local clock offset: -2.359 ms
Remote clock offset: 13.607 ms

Below is generated by plot.py at 2018-05-30 11:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 80.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 80.000 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-30 10:10:39

End at: 2018-05-30 10:11:09

Local clock offset: -2.183 ms

Remote clock offset: 9.547 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 87.209 ms

Loss rate: 0.00%

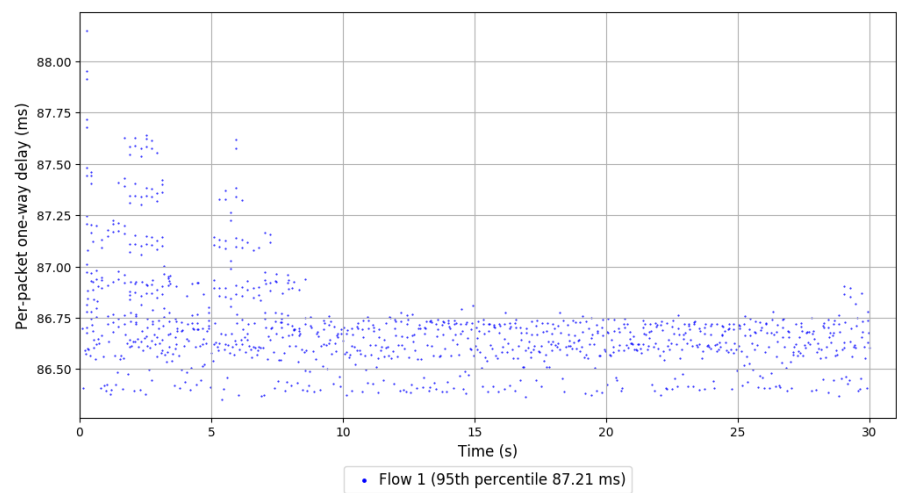
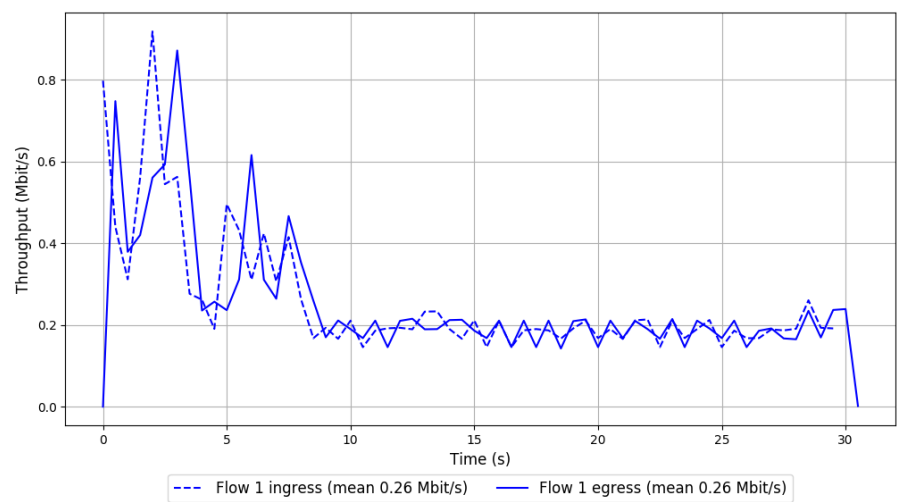
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 87.209 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

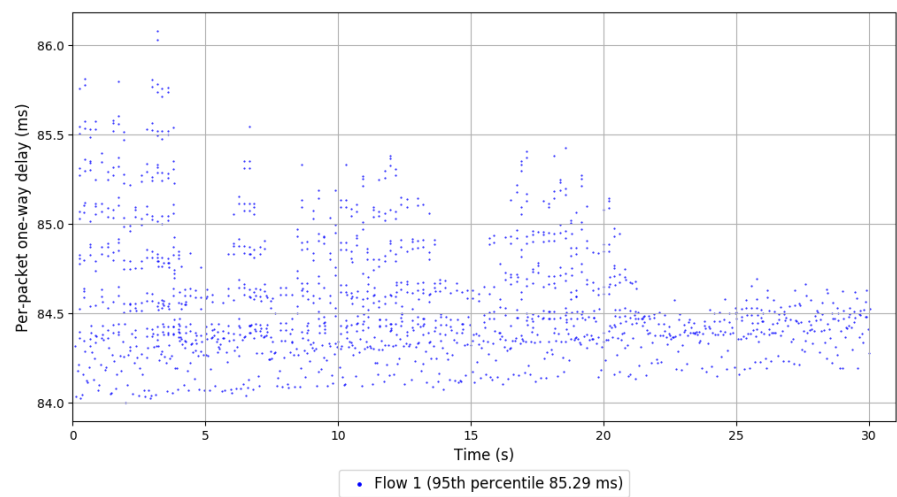
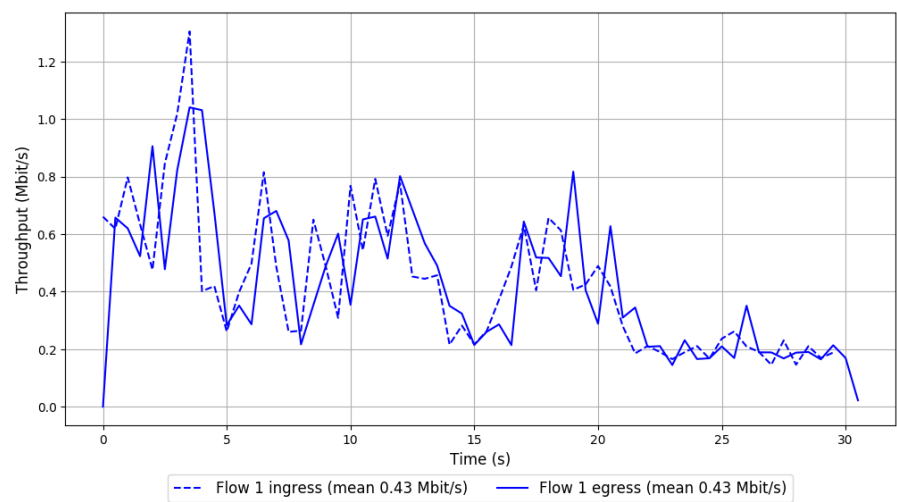


Run 7: Statistics of Sprout

Start at: 2018-05-30 10:29:25
End at: 2018-05-30 10:29:55
Local clock offset: -2.203 ms
Remote clock offset: 9.404 ms

Below is generated by plot.py at 2018-05-30 11:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.287 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.287 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-30 10:48:07

End at: 2018-05-30 10:48:37

Local clock offset: -2.387 ms

Remote clock offset: 1.49 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 79.841 ms

Loss rate: 0.00%

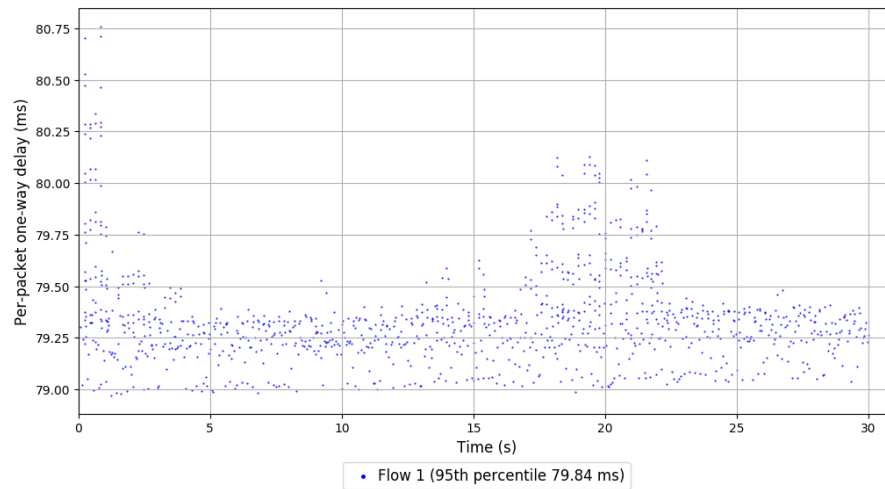
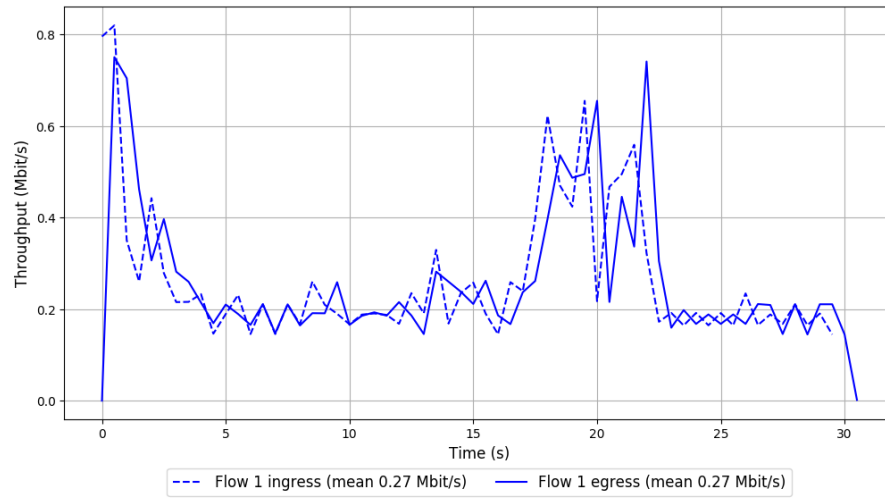
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 79.841 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-30 11:06:47

End at: 2018-05-30 11:07:17

Local clock offset: -2.339 ms

Remote clock offset: 1.941 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 78.545 ms

Loss rate: 0.00%

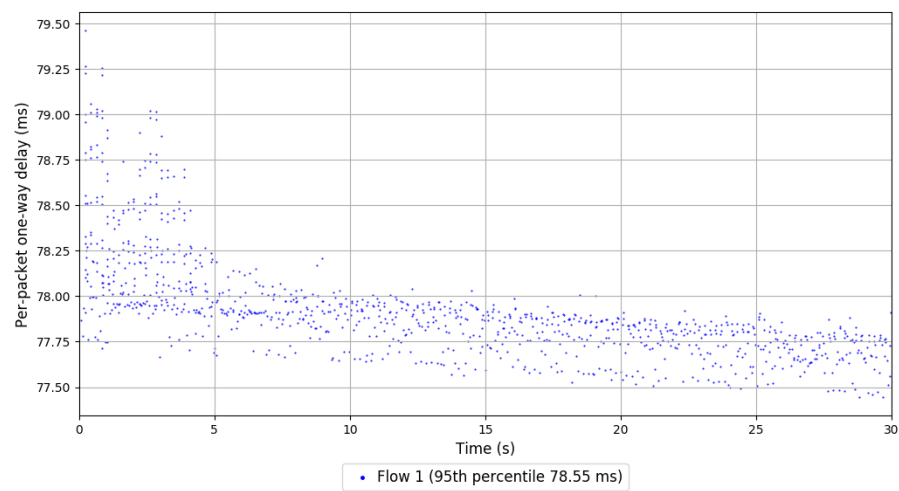
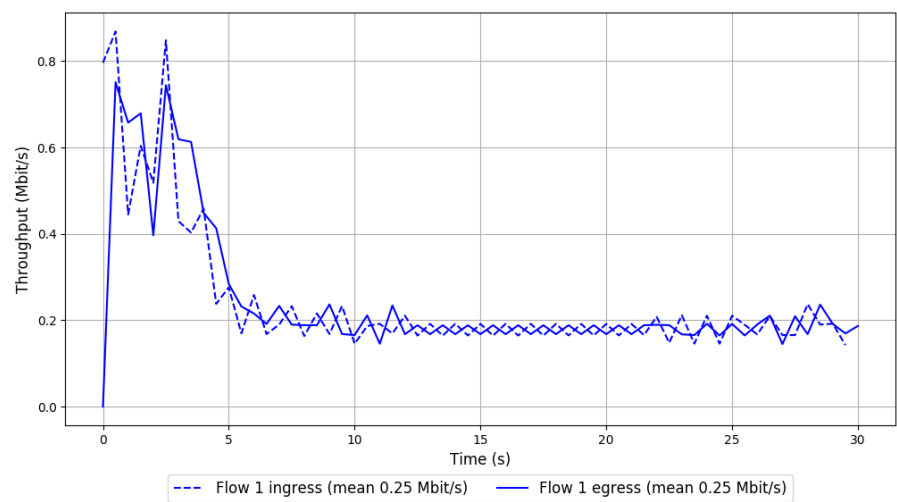
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 78.545 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-30 11:25:32

End at: 2018-05-30 11:26:02

Local clock offset: -6.29 ms

Remote clock offset: 3.128 ms

Below is generated by plot.py at 2018-05-30 11:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 79.196 ms

Loss rate: 0.00%

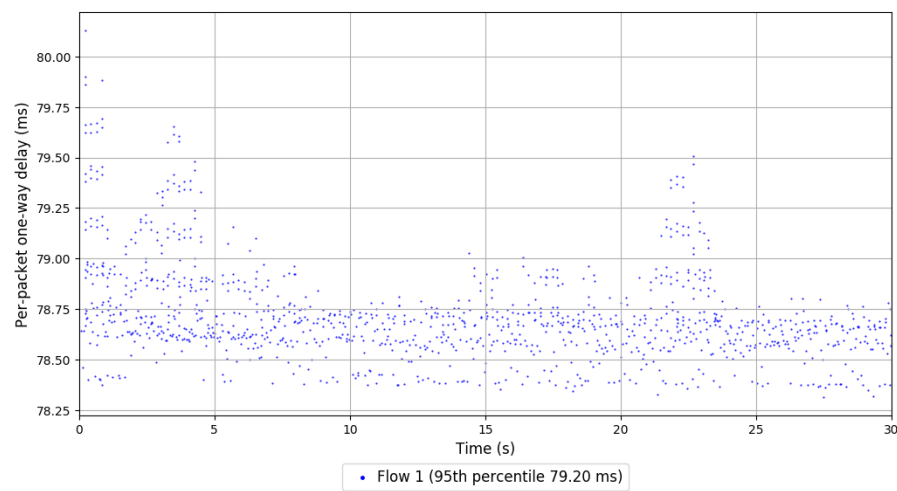
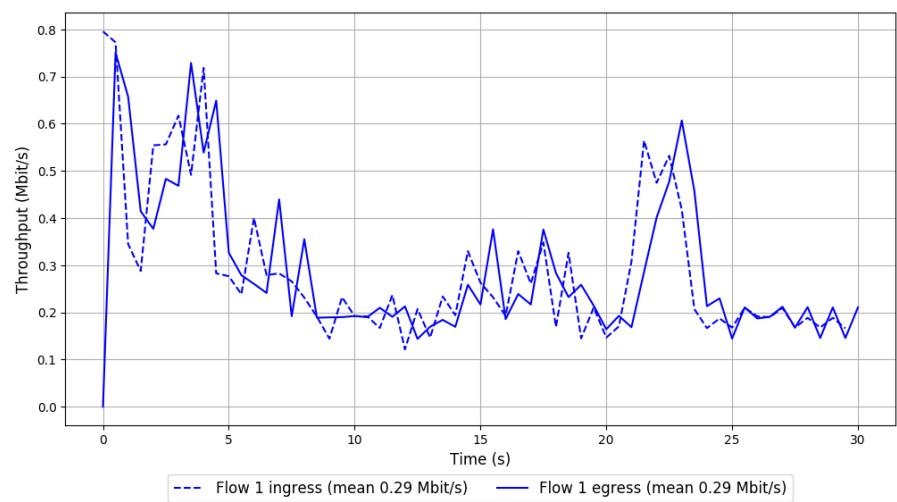
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 79.196 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-30 08:30:12

End at: 2018-05-30 08:30:42

Local clock offset: -0.348 ms

Remote clock offset: 3.791 ms

Below is generated by plot.py at 2018-05-30 11:49:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.67 Mbit/s

95th percentile per-packet one-way delay: 106.215 ms

Loss rate: 0.64%

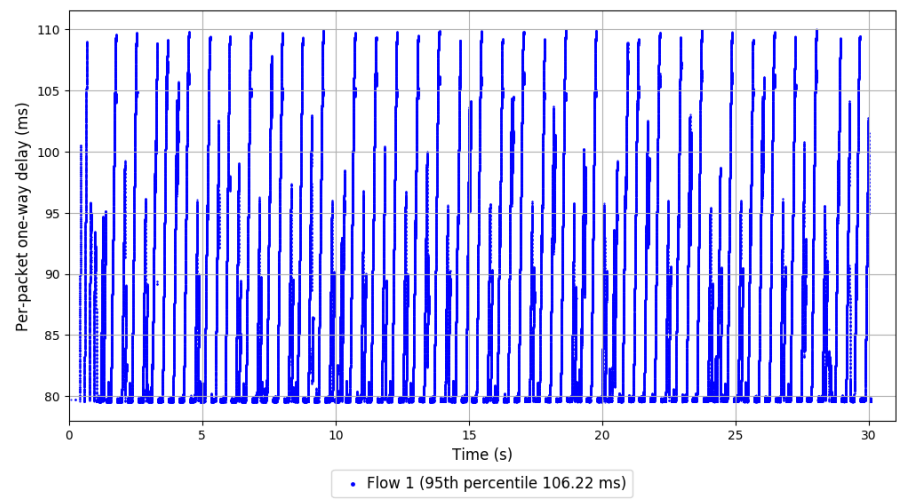
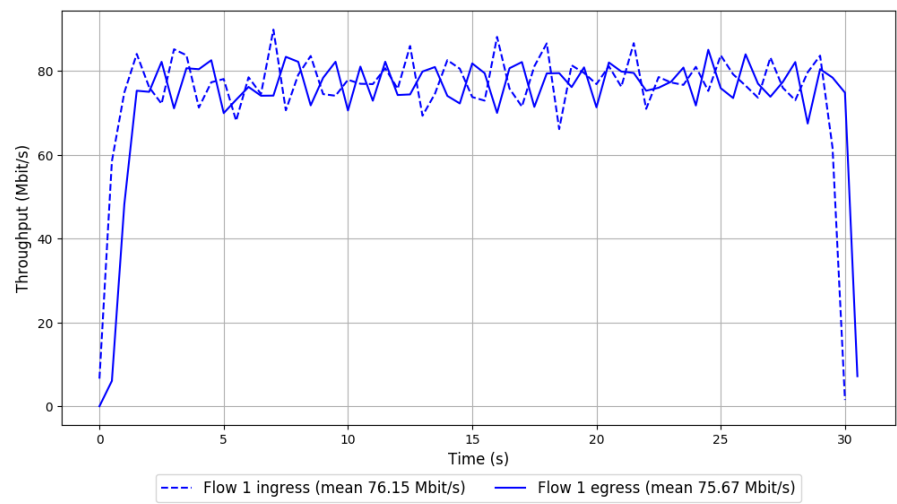
-- Flow 1:

Average throughput: 75.67 Mbit/s

95th percentile per-packet one-way delay: 106.215 ms

Loss rate: 0.64%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-30 08:48:55

End at: 2018-05-30 08:49:25

Local clock offset: -0.833 ms

Remote clock offset: 8.14 ms

Below is generated by plot.py at 2018-05-30 11:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.53 Mbit/s

95th percentile per-packet one-way delay: 105.161 ms

Loss rate: 0.61%

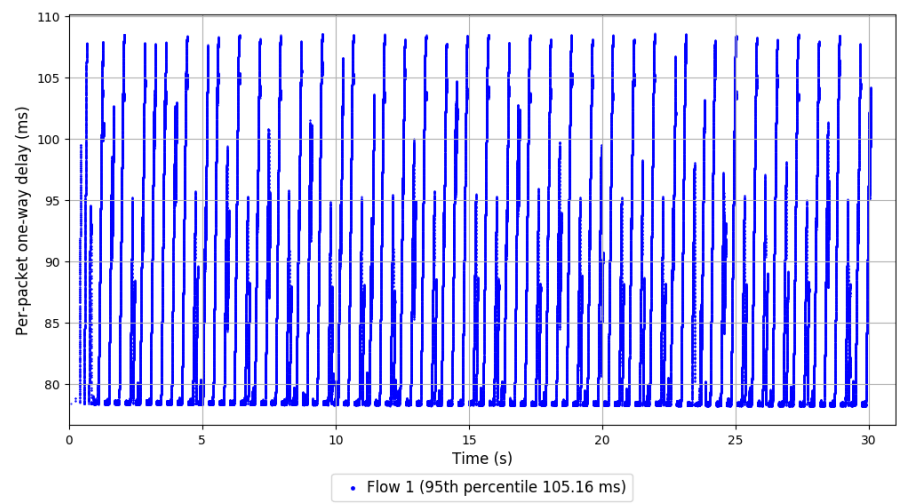
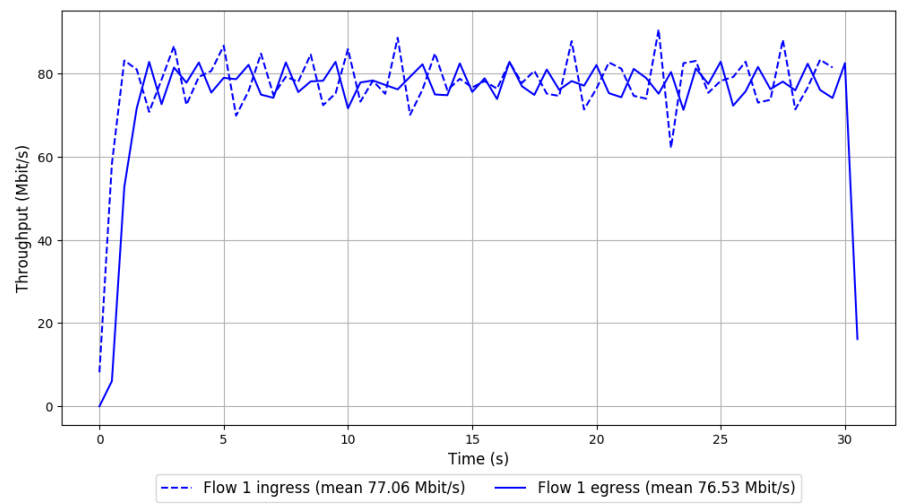
-- Flow 1:

Average throughput: 76.53 Mbit/s

95th percentile per-packet one-way delay: 105.161 ms

Loss rate: 0.61%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-30 09:07:35

End at: 2018-05-30 09:08:05

Local clock offset: 0.57 ms

Remote clock offset: 16.735 ms

Below is generated by plot.py at 2018-05-30 11:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.92 Mbit/s

95th percentile per-packet one-way delay: 110.758 ms

Loss rate: 0.57%

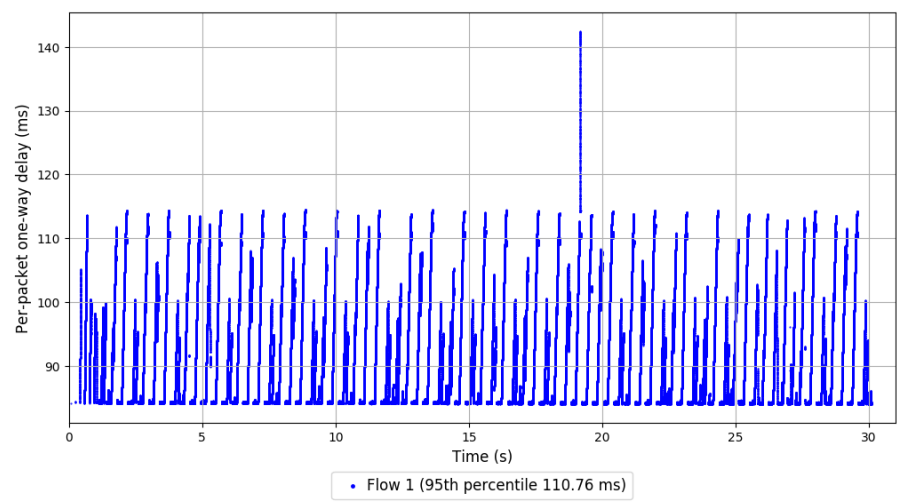
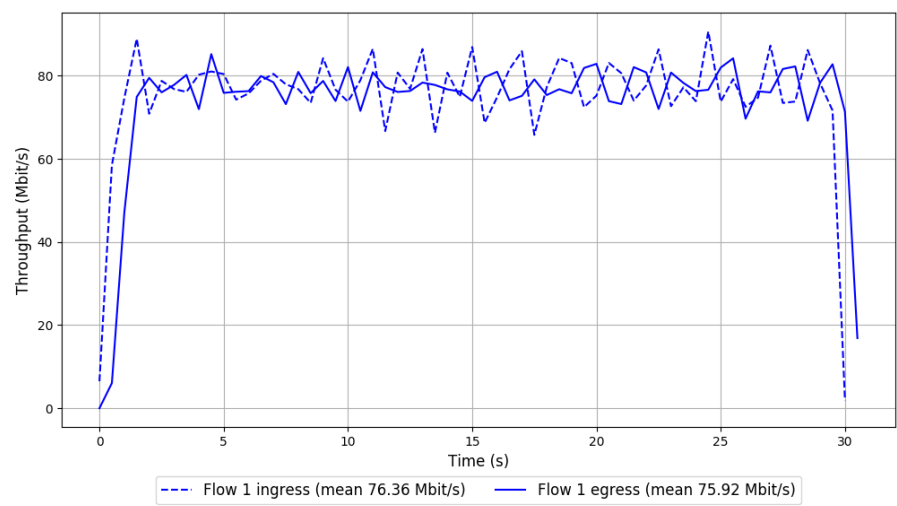
-- Flow 1:

Average throughput: 75.92 Mbit/s

95th percentile per-packet one-way delay: 110.758 ms

Loss rate: 0.57%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-30 09:26:14

End at: 2018-05-30 09:26:44

Local clock offset: -0.969 ms

Remote clock offset: 18.532 ms

Below is generated by plot.py at 2018-05-30 11:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 119.632 ms

Loss rate: 1.16%

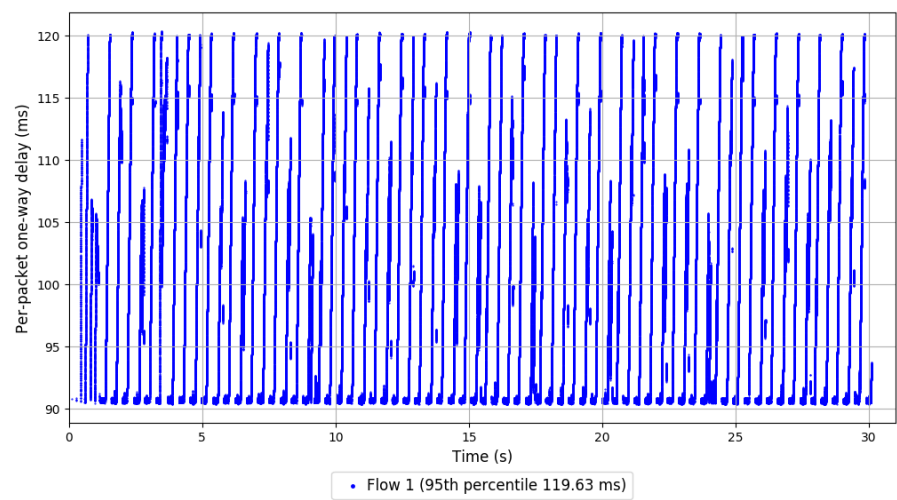
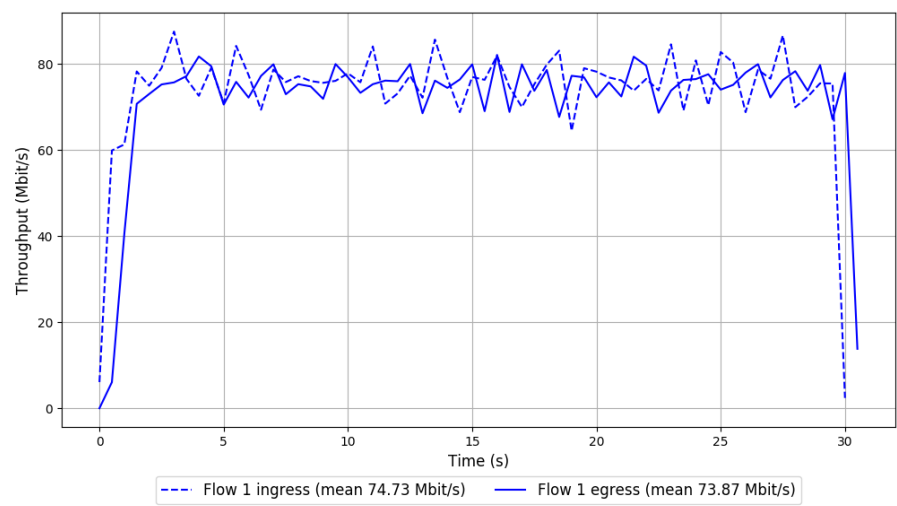
-- Flow 1:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 119.632 ms

Loss rate: 1.16%

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

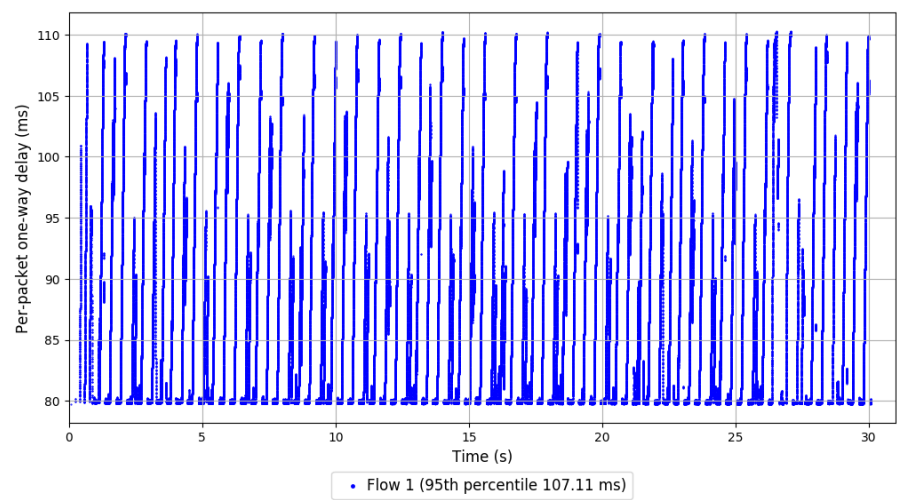
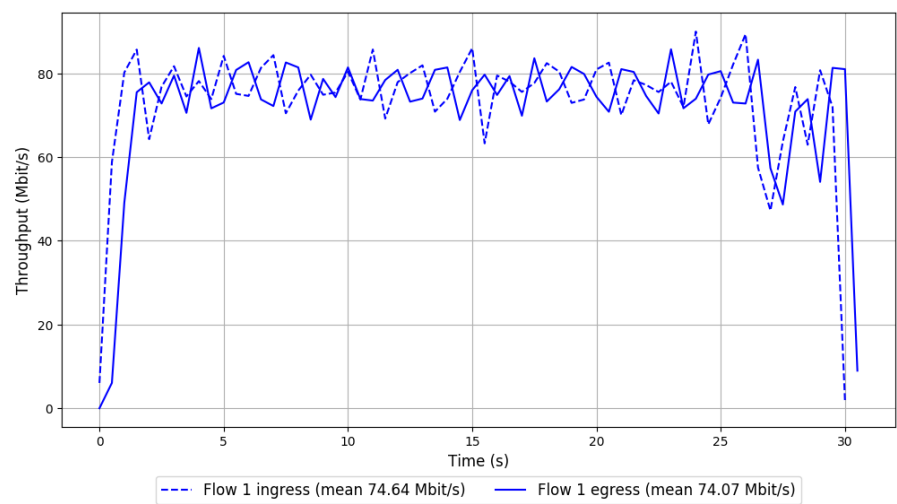


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-30 09:44:54
End at: 2018-05-30 09:45:24
Local clock offset: -0.738 ms
Remote clock offset: 15.343 ms

Below is generated by plot.py at 2018-05-30 11:49:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: 107.107 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: 107.107 ms
Loss rate: 0.76%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-30 10:03:33

End at: 2018-05-30 10:04:03

Local clock offset: -1.56 ms

Remote clock offset: 9.644 ms

Below is generated by plot.py at 2018-05-30 11:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 107.732 ms

Loss rate: 0.61%

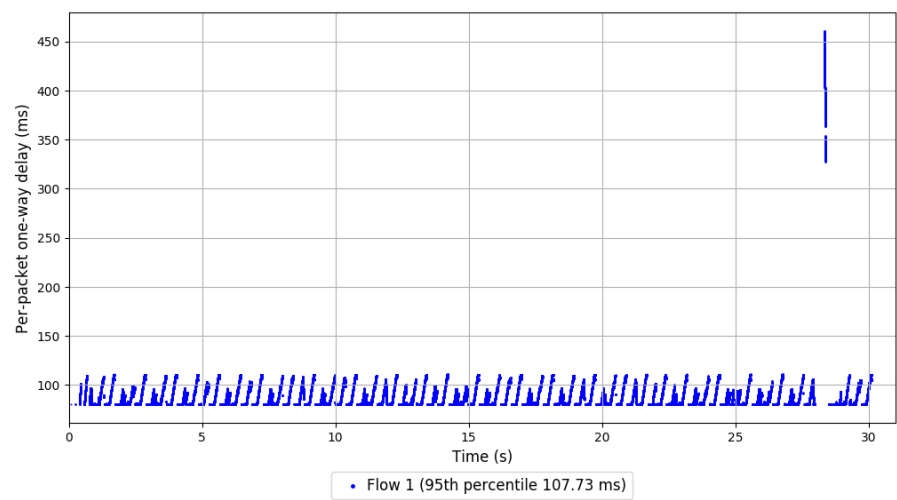
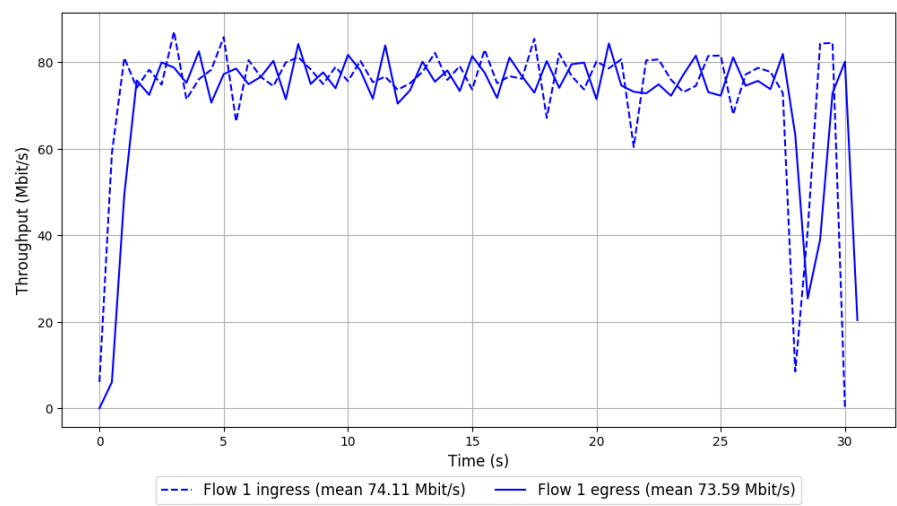
-- Flow 1:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 107.732 ms

Loss rate: 0.61%

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

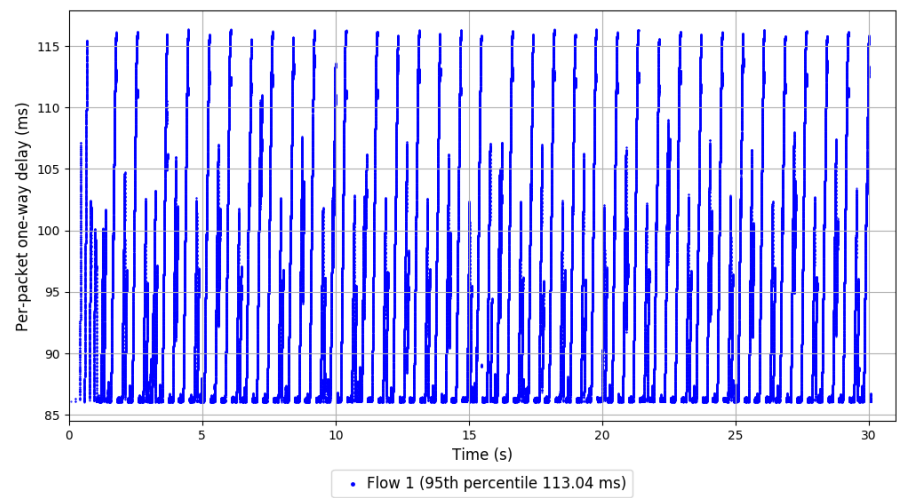
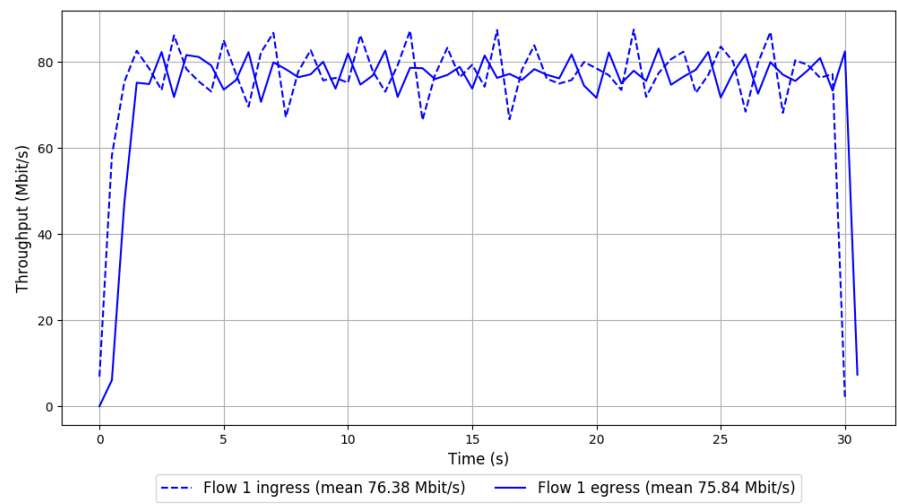


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-30 10:22:12
End at: 2018-05-30 10:22:42
Local clock offset: -2.876 ms
Remote clock offset: 13.791 ms

Below is generated by plot.py at 2018-05-30 11:49:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.84 Mbit/s
95th percentile per-packet one-way delay: 113.043 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 75.84 Mbit/s
95th percentile per-packet one-way delay: 113.043 ms
Loss rate: 0.77%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-30 10:40:59

End at: 2018-05-30 10:41:29

Local clock offset: -2.76 ms

Remote clock offset: 1.823 ms

Below is generated by plot.py at 2018-05-30 11:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.31 Mbit/s

95th percentile per-packet one-way delay: 105.569 ms

Loss rate: 0.61%

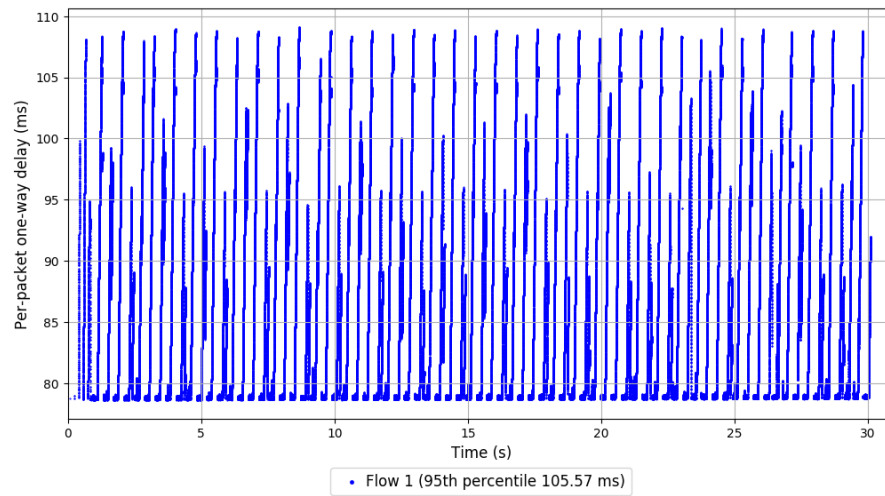
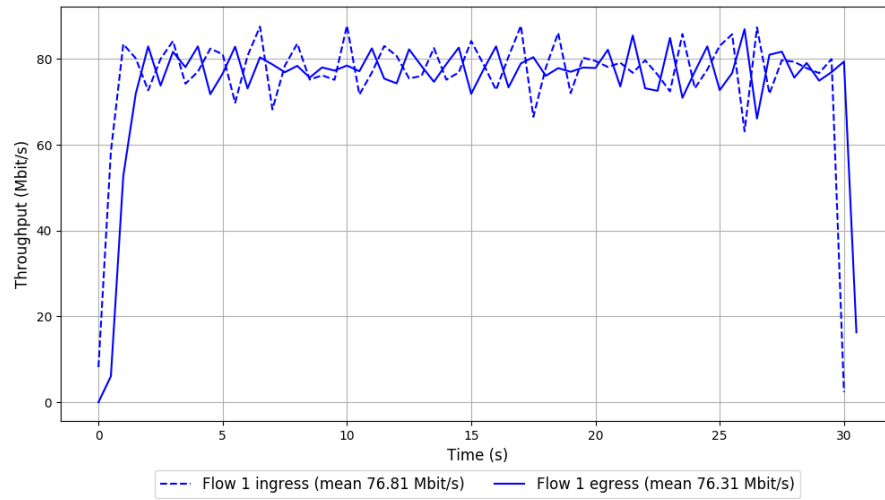
-- Flow 1:

Average throughput: 76.31 Mbit/s

95th percentile per-packet one-way delay: 105.569 ms

Loss rate: 0.61%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-30 10:59:41

End at: 2018-05-30 11:00:11

Local clock offset: -2.17 ms

Remote clock offset: 1.296 ms

Below is generated by plot.py at 2018-05-30 11:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.16 Mbit/s

95th percentile per-packet one-way delay: 108.455 ms

Loss rate: 0.61%

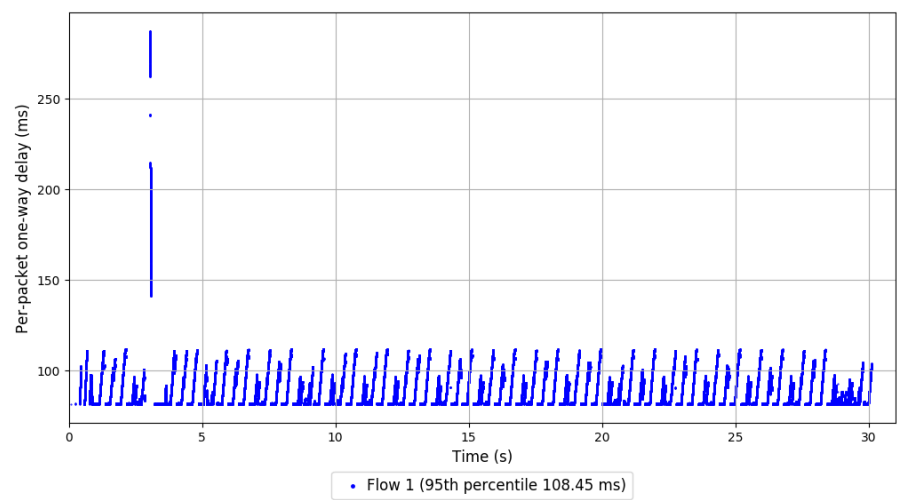
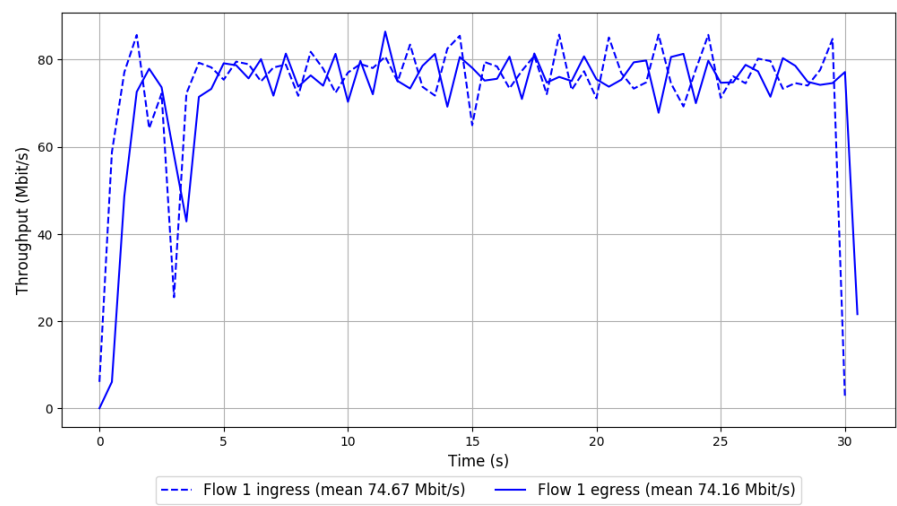
-- Flow 1:

Average throughput: 74.16 Mbit/s

95th percentile per-packet one-way delay: 108.455 ms

Loss rate: 0.61%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-30 11:18:20

End at: 2018-05-30 11:18:50

Local clock offset: -6.023 ms

Remote clock offset: 6.419 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.67 Mbit/s

95th percentile per-packet one-way delay: 108.778 ms

Loss rate: 0.61%

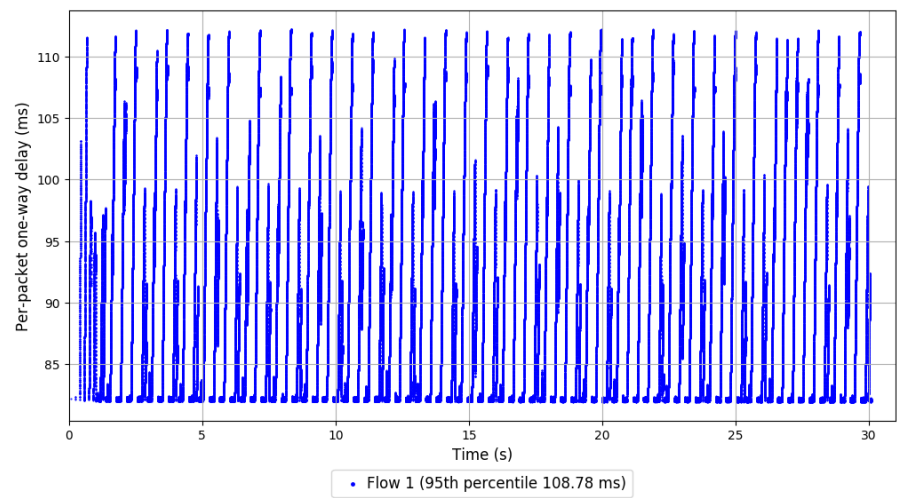
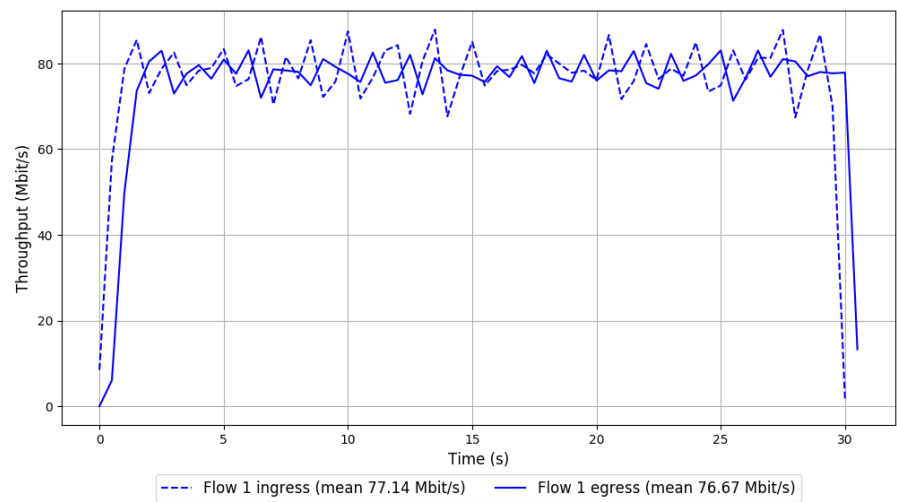
-- Flow 1:

Average throughput: 76.67 Mbit/s

95th percentile per-packet one-way delay: 108.778 ms

Loss rate: 0.61%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-30 08:36:12

End at: 2018-05-30 08:36:42

Local clock offset: 0.15 ms

Remote clock offset: 7.531 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.04 Mbit/s

95th percentile per-packet one-way delay: 82.324 ms

Loss rate: 0.29%

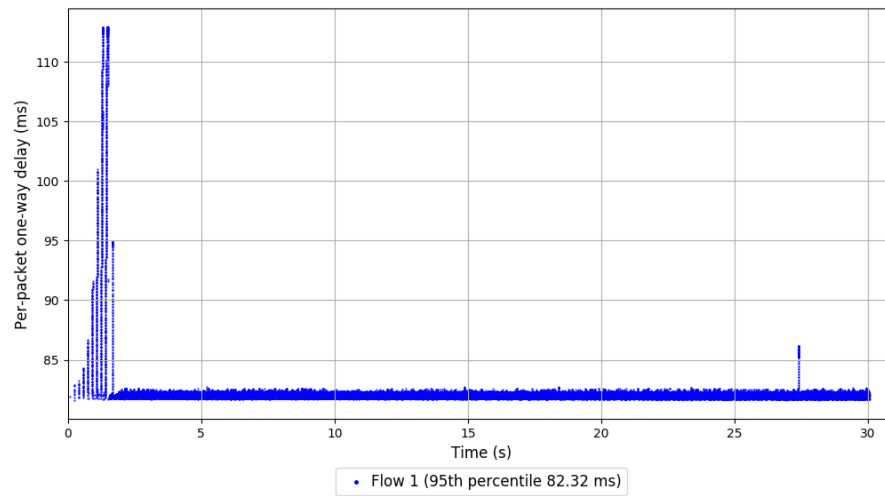
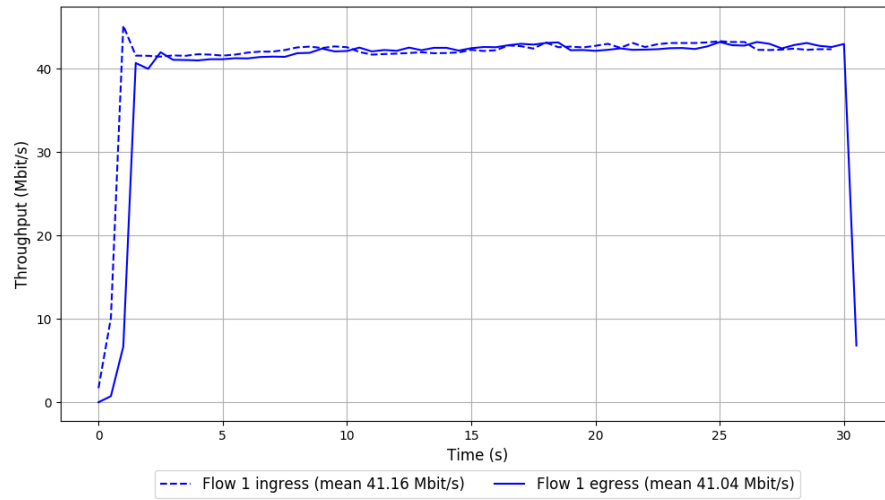
-- Flow 1:

Average throughput: 41.04 Mbit/s

95th percentile per-packet one-way delay: 82.324 ms

Loss rate: 0.29%

Run 1: Report of TCP Vegas — Data Link

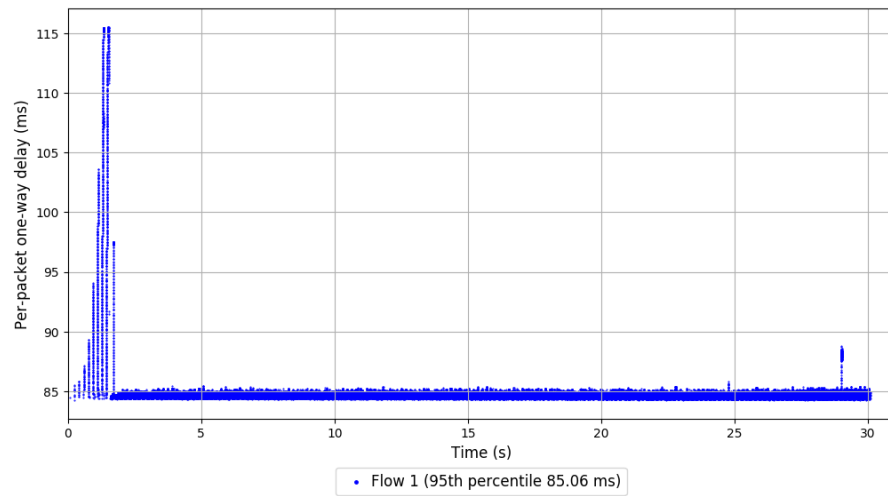
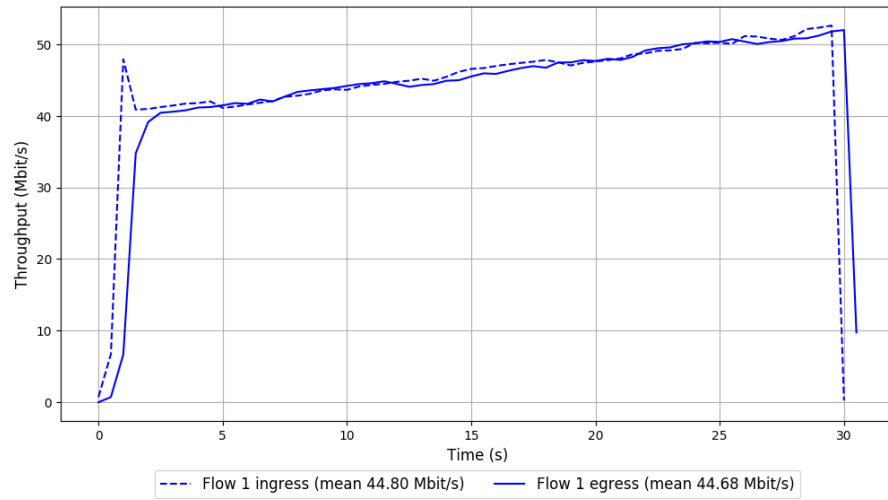


Run 2: Statistics of TCP Vegas

Start at: 2018-05-30 08:54:52
End at: 2018-05-30 08:55:22
Local clock offset: 0.143 ms
Remote clock offset: 10.654 ms

Below is generated by plot.py at 2018-05-30 11:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 85.059 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 85.059 ms
Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link

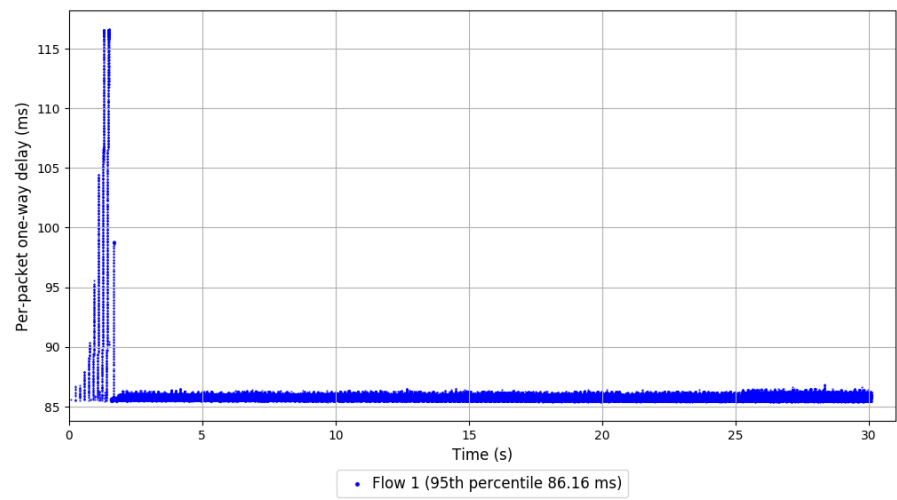
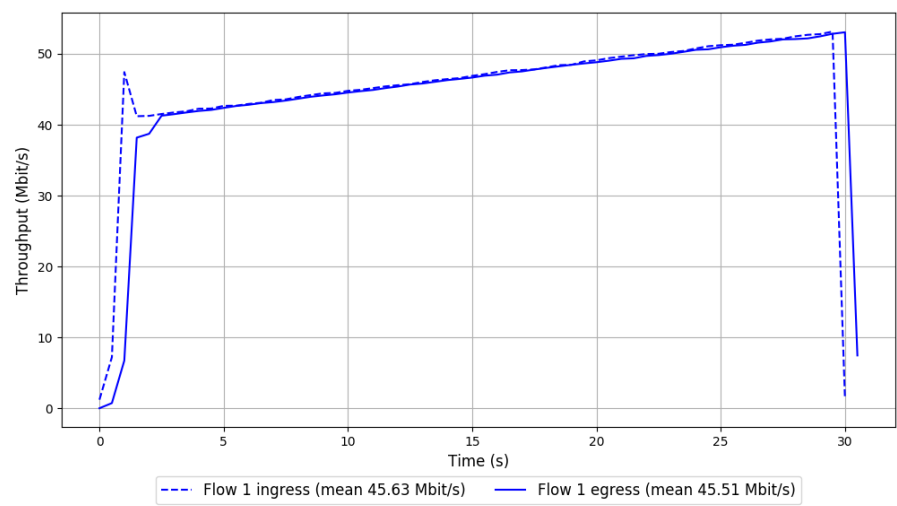


Run 3: Statistics of TCP Vegas

Start at: 2018-05-30 09:13:32
End at: 2018-05-30 09:14:02
Local clock offset: -1.593 ms
Remote clock offset: 17.213 ms

Below is generated by plot.py at 2018-05-30 11:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 86.163 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 86.163 ms
Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-30 09:32:12

End at: 2018-05-30 09:32:42

Local clock offset: -0.853 ms

Remote clock offset: 14.2 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.28 Mbit/s

95th percentile per-packet one-way delay: 80.516 ms

Loss rate: 0.30%

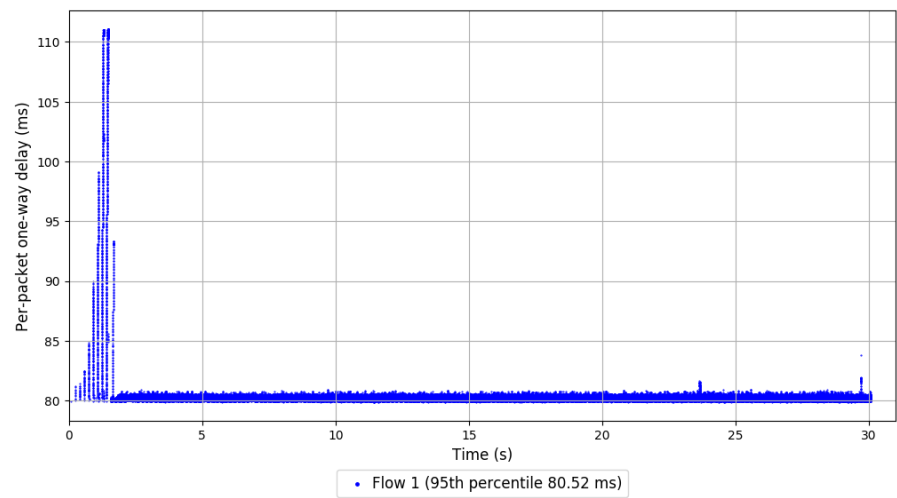
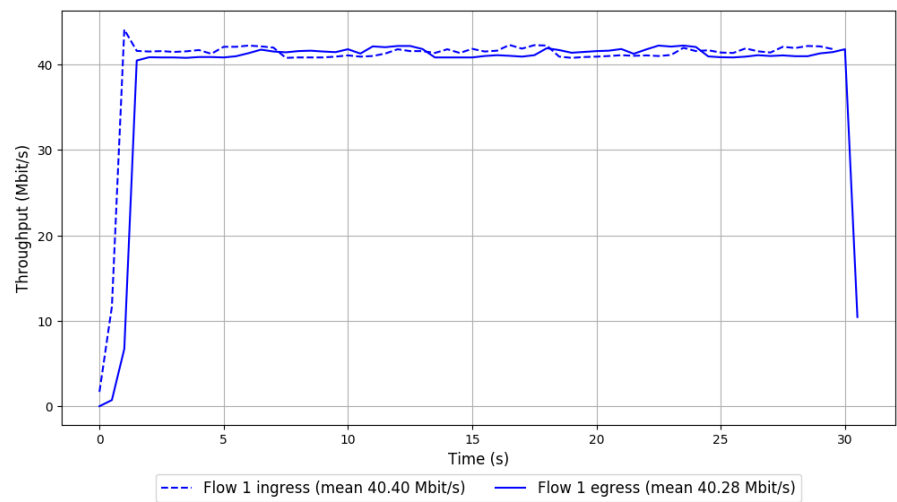
-- Flow 1:

Average throughput: 40.28 Mbit/s

95th percentile per-packet one-way delay: 80.516 ms

Loss rate: 0.30%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-30 09:50:52

End at: 2018-05-30 09:51:22

Local clock offset: -0.804 ms

Remote clock offset: 19.05 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 91.004 ms

Loss rate: 0.70%

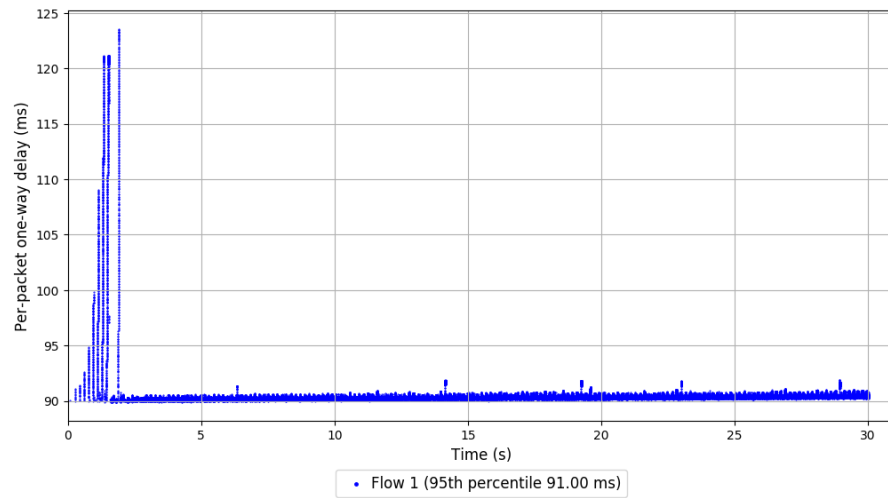
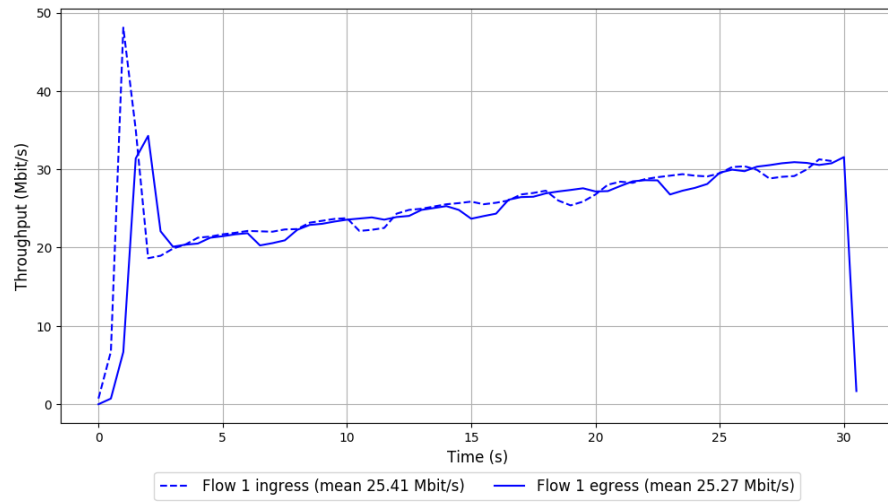
-- Flow 1:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 91.004 ms

Loss rate: 0.70%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-30 10:09:31

End at: 2018-05-30 10:10:01

Local clock offset: -1.99 ms

Remote clock offset: 9.624 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.47 Mbit/s

95th percentile per-packet one-way delay: 80.790 ms

Loss rate: 0.71%

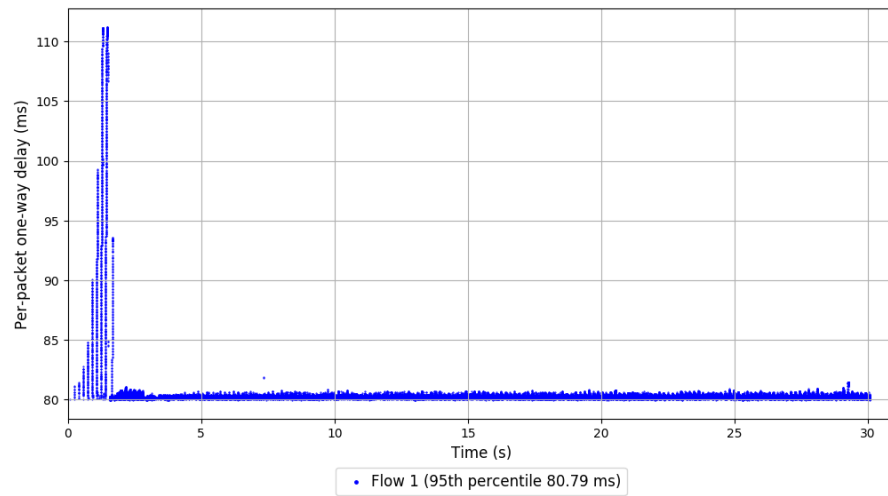
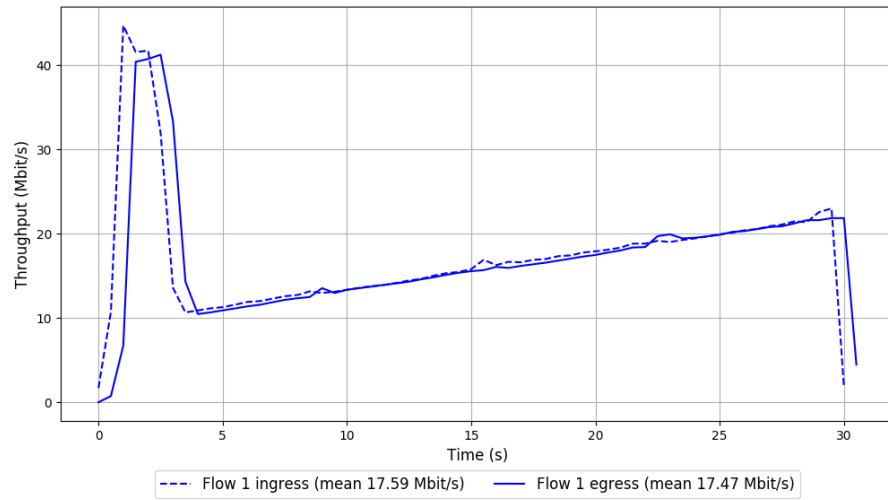
-- Flow 1:

Average throughput: 17.47 Mbit/s

95th percentile per-packet one-way delay: 80.790 ms

Loss rate: 0.71%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-30 10:28:16

End at: 2018-05-30 10:28:46

Local clock offset: -2.167 ms

Remote clock offset: 5.187 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.92 Mbit/s

95th percentile per-packet one-way delay: 84.444 ms

Loss rate: 0.31%

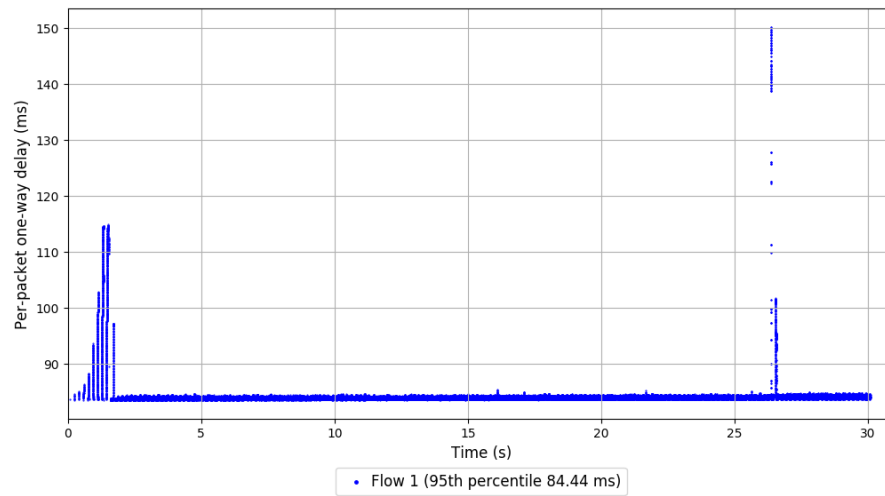
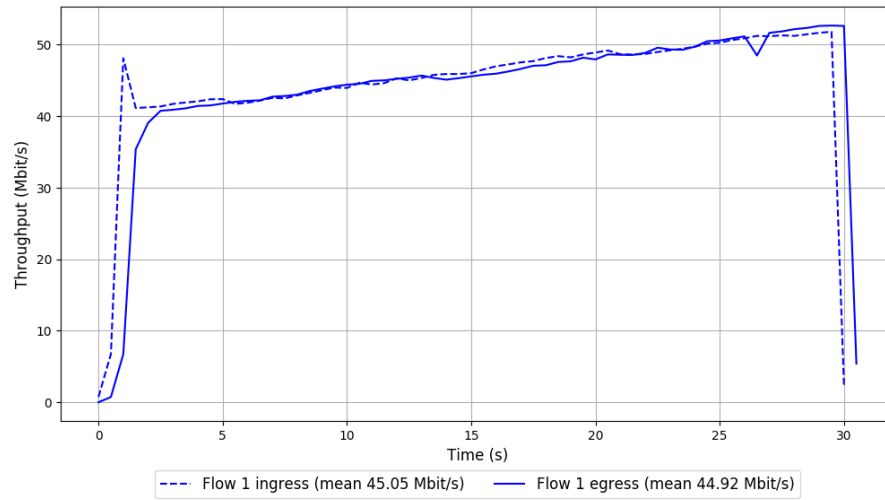
-- Flow 1:

Average throughput: 44.92 Mbit/s

95th percentile per-packet one-way delay: 84.444 ms

Loss rate: 0.31%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-30 10:46:59

End at: 2018-05-30 10:47:29

Local clock offset: -3.21 ms

Remote clock offset: 5.851 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.23 Mbit/s

95th percentile per-packet one-way delay: 85.014 ms

Loss rate: 0.52%

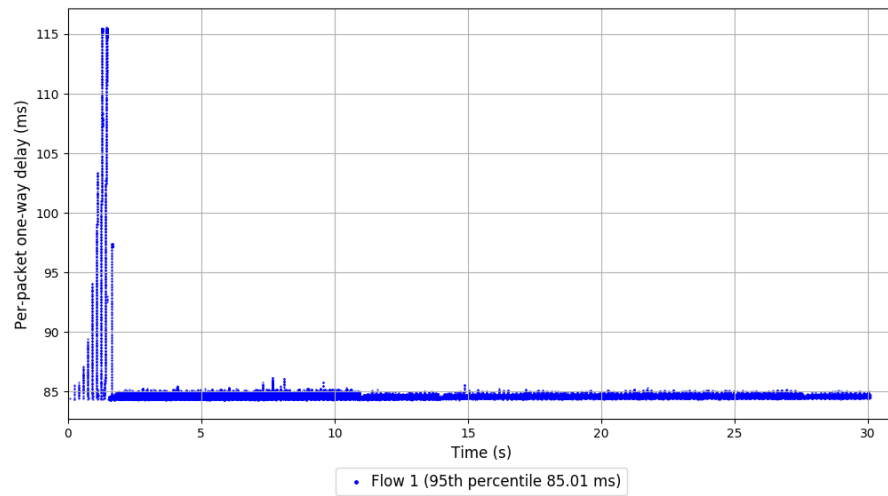
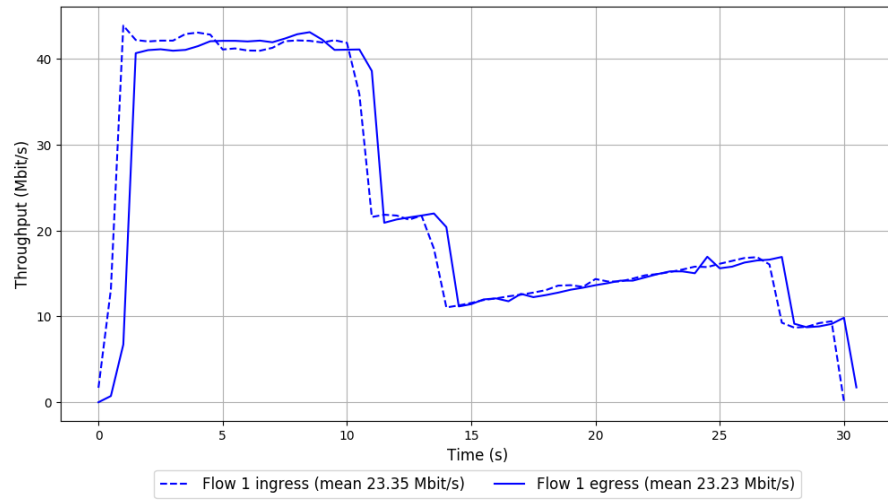
-- Flow 1:

Average throughput: 23.23 Mbit/s

95th percentile per-packet one-way delay: 85.014 ms

Loss rate: 0.52%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-30 11:05:38

End at: 2018-05-30 11:06:08

Local clock offset: -2.942 ms

Remote clock offset: 6.753 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.50 Mbit/s

95th percentile per-packet one-way delay: 85.034 ms

Loss rate: 0.26%

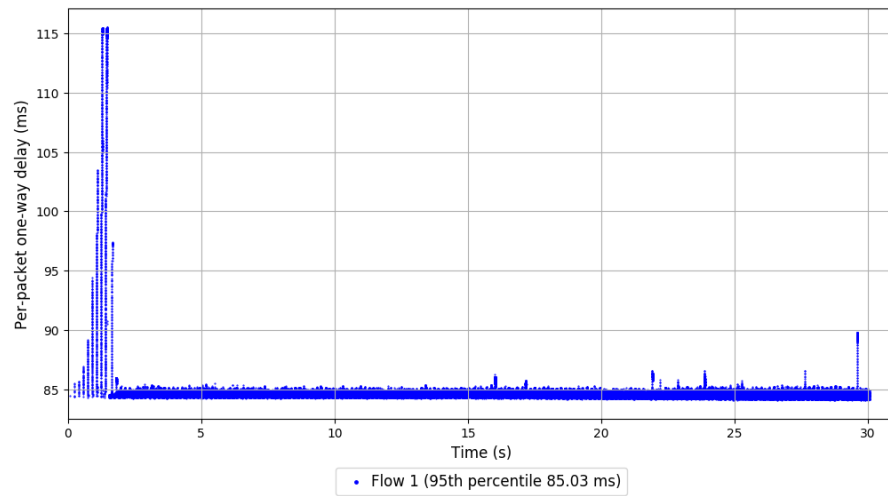
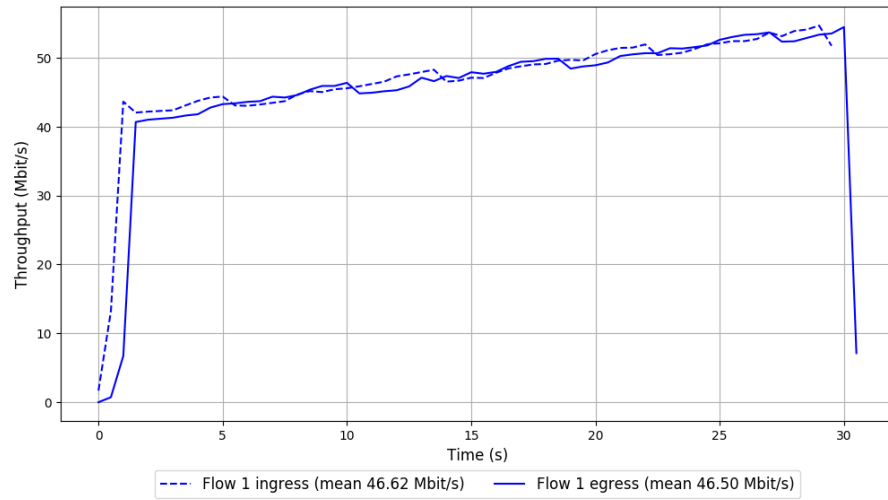
-- Flow 1:

Average throughput: 46.50 Mbit/s

95th percentile per-packet one-way delay: 85.034 ms

Loss rate: 0.26%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-30 11:24:23

End at: 2018-05-30 11:24:53

Local clock offset: -6.913 ms

Remote clock offset: 7.153 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.39 Mbit/s

95th percentile per-packet one-way delay: 83.532 ms

Loss rate: 0.30%

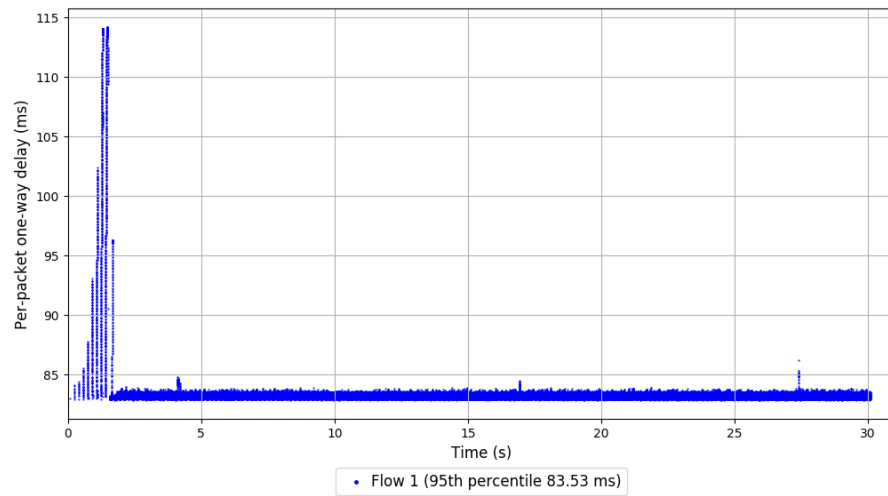
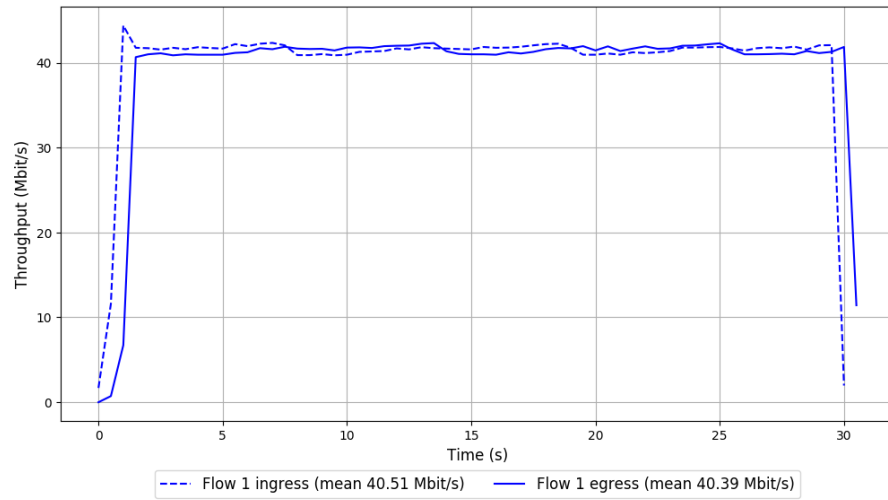
-- Flow 1:

Average throughput: 40.39 Mbit/s

95th percentile per-packet one-way delay: 83.532 ms

Loss rate: 0.30%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-30 08:31:25

End at: 2018-05-30 08:31:55

Local clock offset: -0.97 ms

Remote clock offset: 8.673 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.84 Mbit/s

95th percentile per-packet one-way delay: 171.264 ms

Loss rate: 74.59%

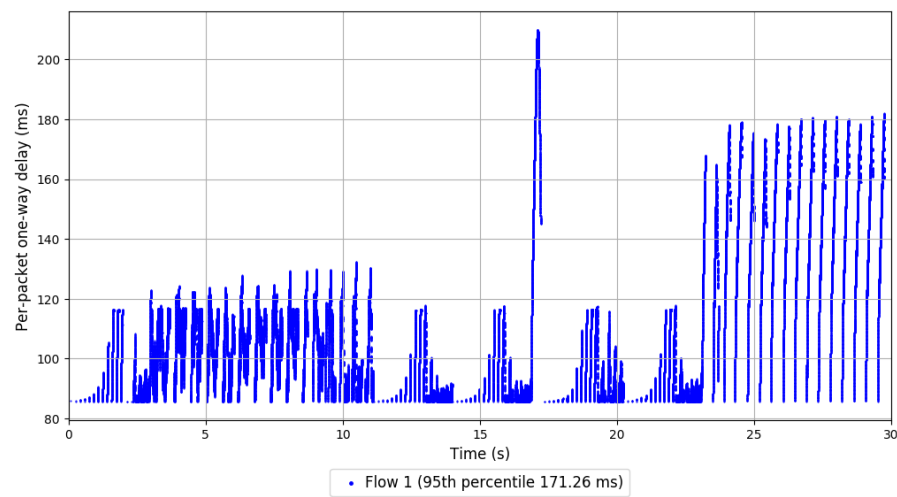
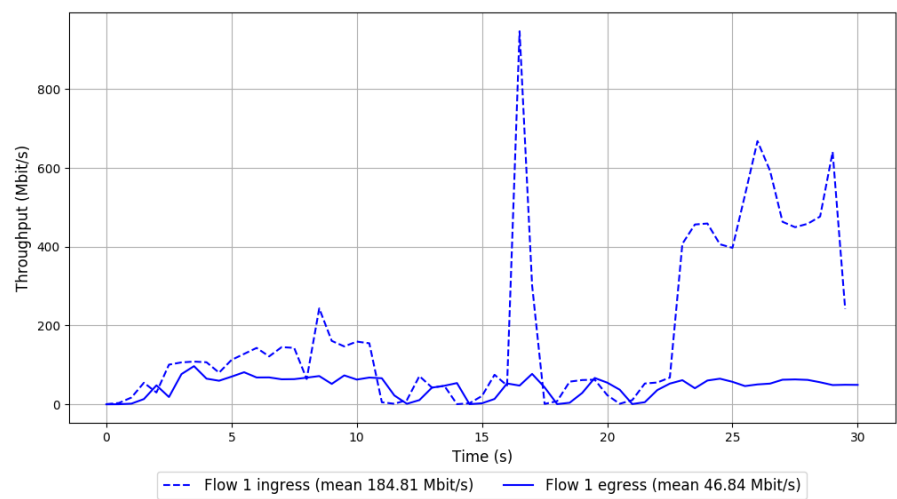
-- Flow 1:

Average throughput: 46.84 Mbit/s

95th percentile per-packet one-way delay: 171.264 ms

Loss rate: 74.59%

Run 1: Report of Verus — Data Link

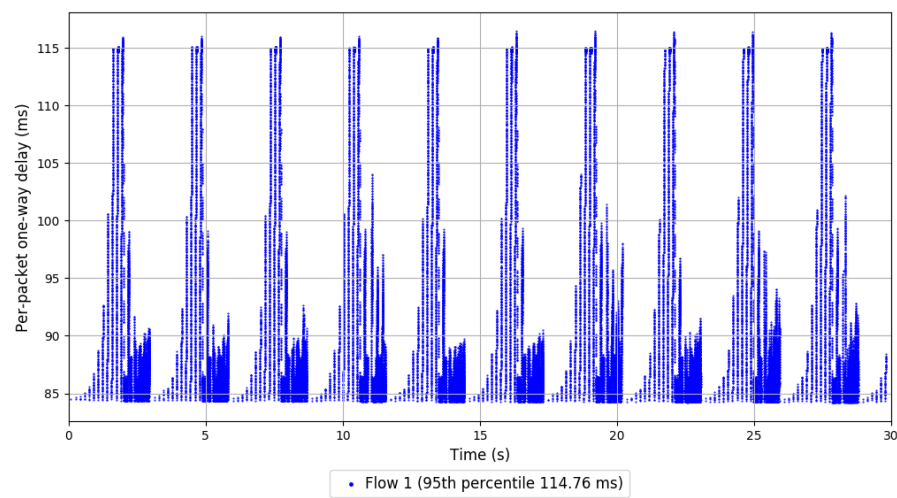
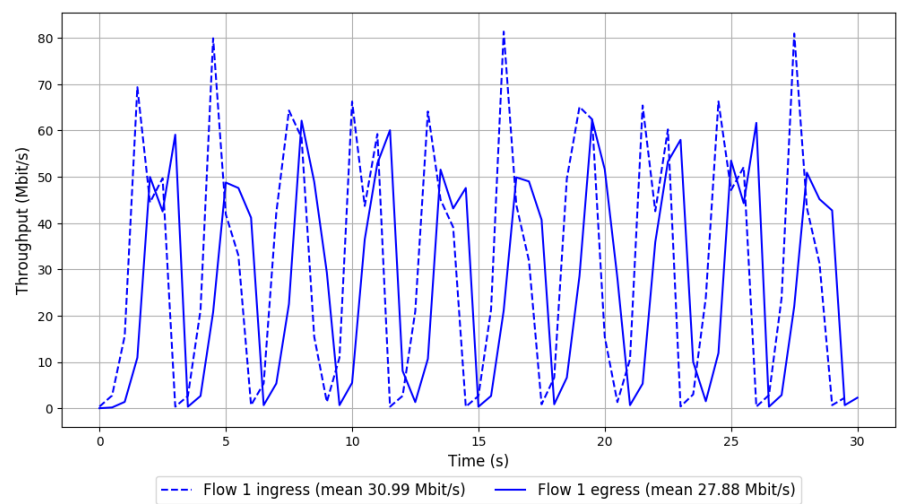


Run 2: Statistics of Verus

Start at: 2018-05-30 08:50:07
End at: 2018-05-30 08:50:37
Local clock offset: -0.038 ms
Remote clock offset: 13.281 ms

Below is generated by plot.py at 2018-05-30 11:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 114.762 ms
Loss rate: 10.02%
-- Flow 1:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 114.762 ms
Loss rate: 10.02%

Run 2: Report of Verus — Data Link

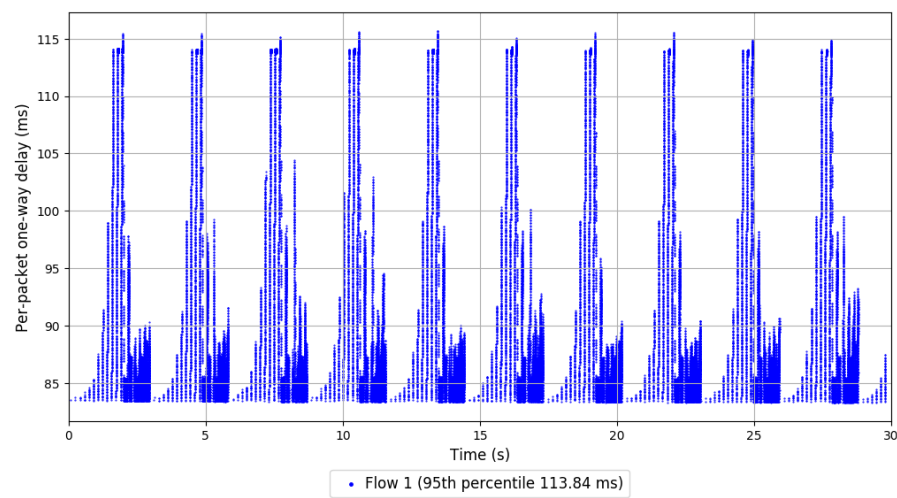
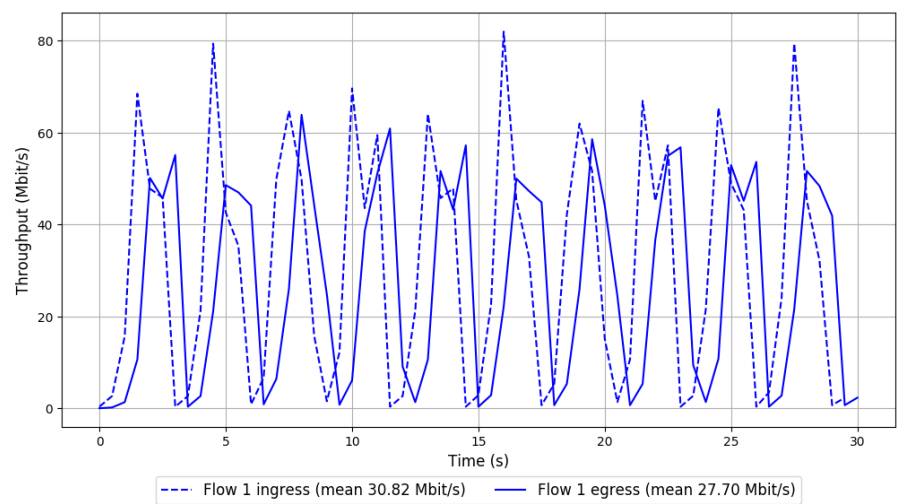


Run 3: Statistics of Verus

Start at: 2018-05-30 09:08:47
End at: 2018-05-30 09:09:17
Local clock offset: -0.373 ms
Remote clock offset: 17.012 ms

Below is generated by plot.py at 2018-05-30 11:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 113.842 ms
Loss rate: 10.10%
-- Flow 1:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 113.842 ms
Loss rate: 10.10%

Run 3: Report of Verus — Data Link

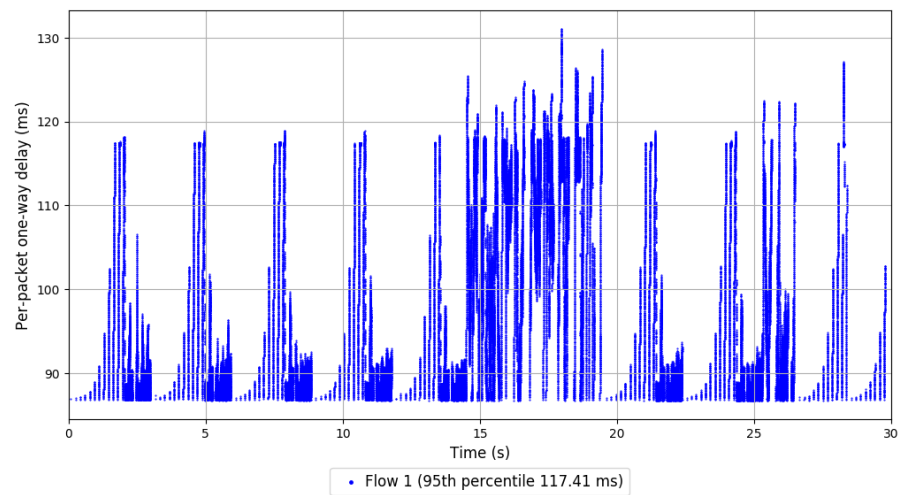
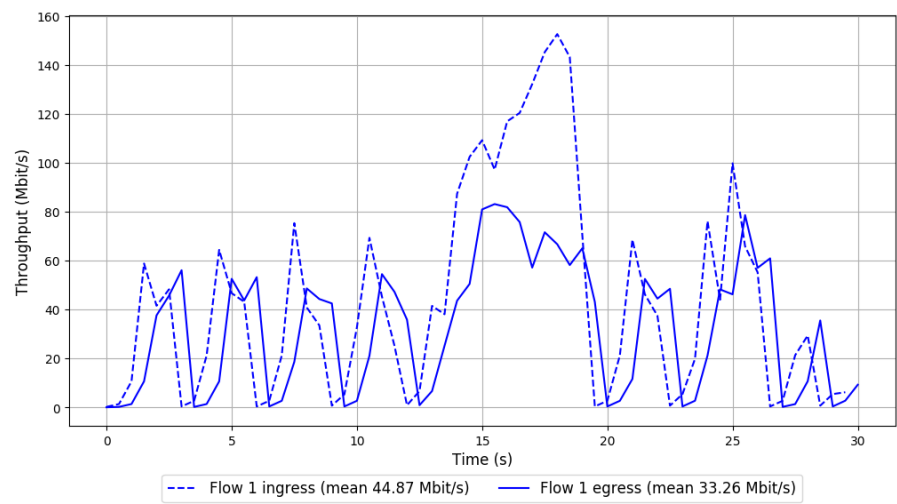


Run 4: Statistics of Verus

Start at: 2018-05-30 09:27:27
End at: 2018-05-30 09:27:57
Local clock offset: -0.955 ms
Remote clock offset: 14.766 ms

Below is generated by plot.py at 2018-05-30 11:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 117.410 ms
Loss rate: 25.82%
-- Flow 1:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 117.410 ms
Loss rate: 25.82%

Run 4: Report of Verus — Data Link

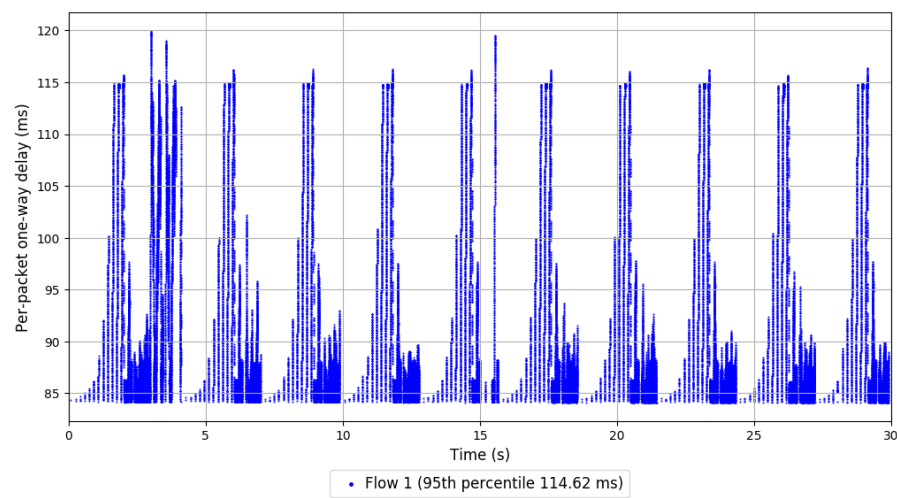
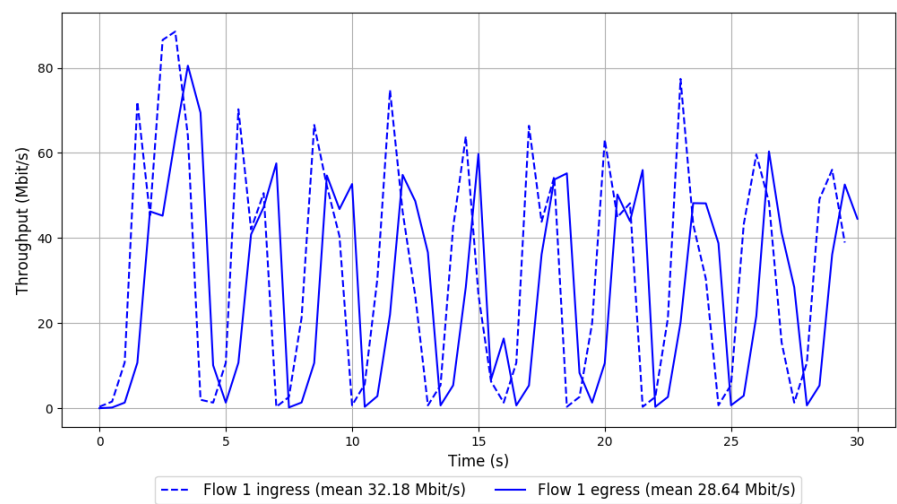


Run 5: Statistics of Verus

Start at: 2018-05-30 09:46:06
End at: 2018-05-30 09:46:37
Local clock offset: -1.478 ms
Remote clock offset: 19.504 ms

Below is generated by plot.py at 2018-05-30 11:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 114.619 ms
Loss rate: 10.99%
-- Flow 1:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 114.619 ms
Loss rate: 10.99%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-30 10:04:46

End at: 2018-05-30 10:05:16

Local clock offset: -0.852 ms

Remote clock offset: 14.34 ms

Below is generated by plot.py at 2018-05-30 11:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.73 Mbit/s

95th percentile per-packet one-way delay: 118.882 ms

Loss rate: 9.14%

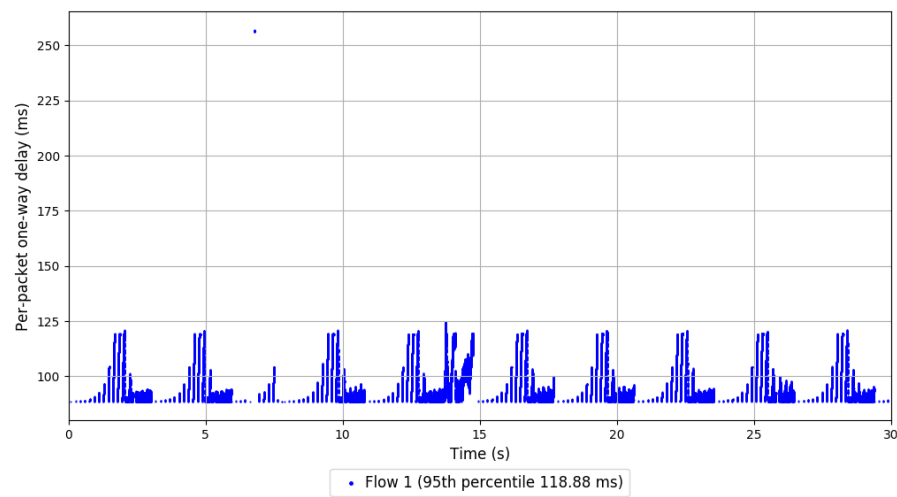
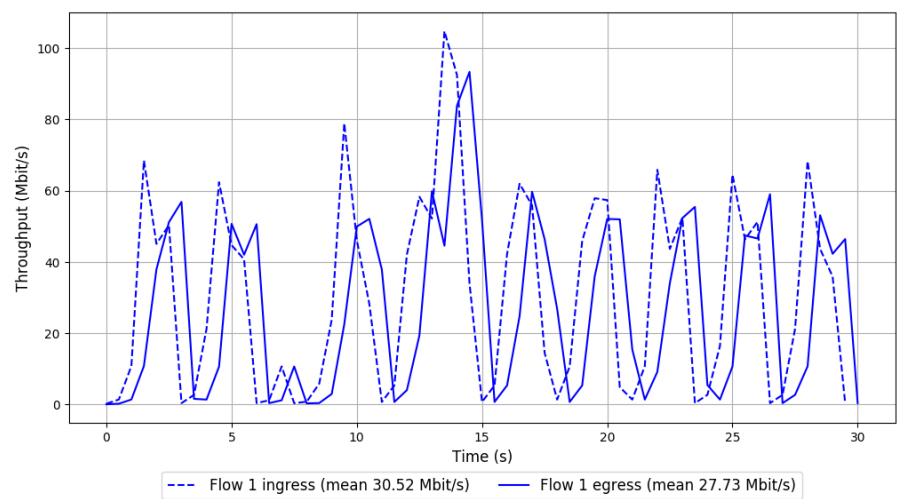
-- Flow 1:

Average throughput: 27.73 Mbit/s

95th percentile per-packet one-way delay: 118.882 ms

Loss rate: 9.14%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-05-30 10:23:25

End at: 2018-05-30 10:23:55

Local clock offset: -2.899 ms

Remote clock offset: 7.649 ms

Below is generated by plot.py at 2018-05-30 11:51:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.83 Mbit/s

95th percentile per-packet one-way delay: 129.242 ms

Loss rate: 61.93%

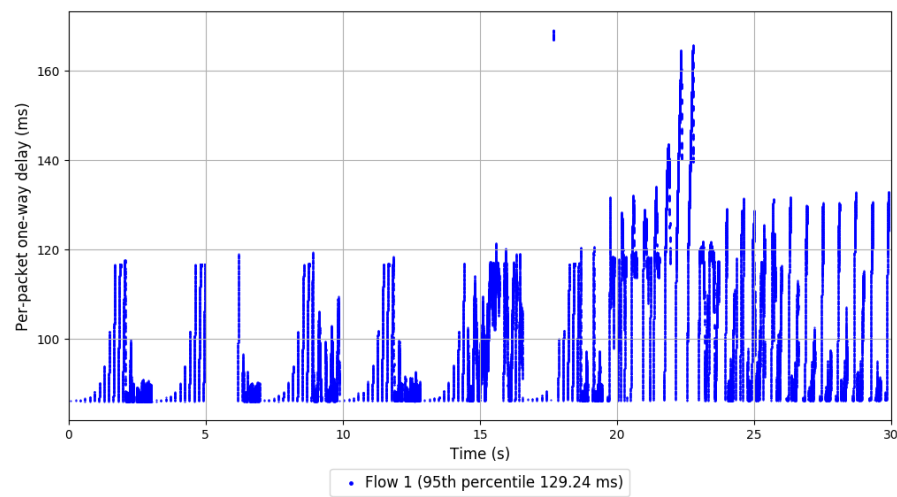
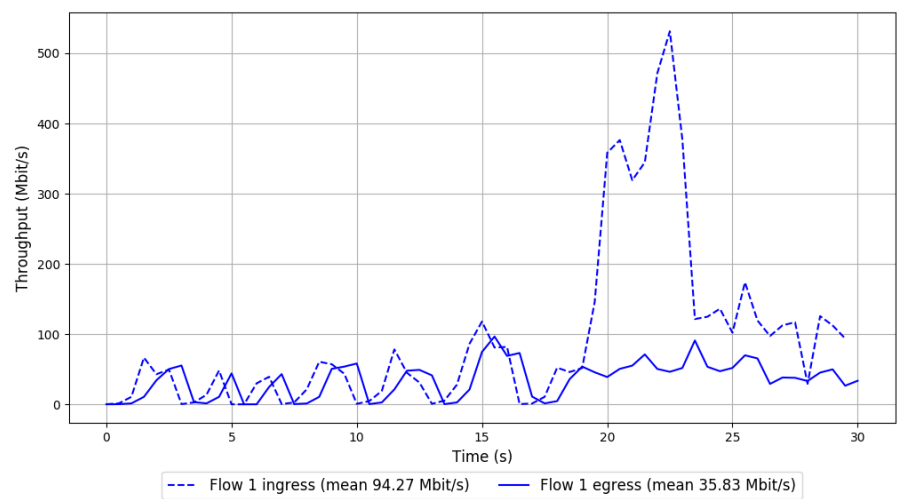
-- Flow 1:

Average throughput: 35.83 Mbit/s

95th percentile per-packet one-way delay: 129.242 ms

Loss rate: 61.93%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-30 10:42:12

End at: 2018-05-30 10:42:42

Local clock offset: -1.857 ms

Remote clock offset: 1.6 ms

Below is generated by plot.py at 2018-05-30 11:51:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.33 Mbit/s

95th percentile per-packet one-way delay: 109.485 ms

Loss rate: 19.50%

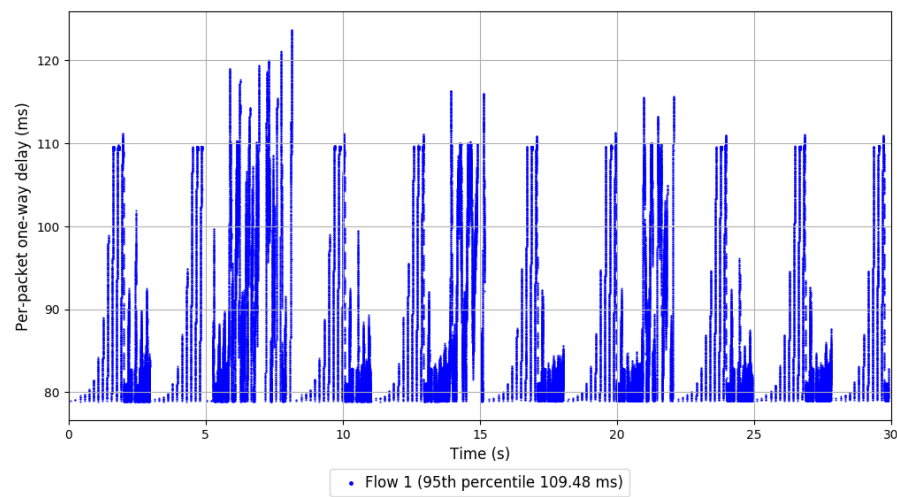
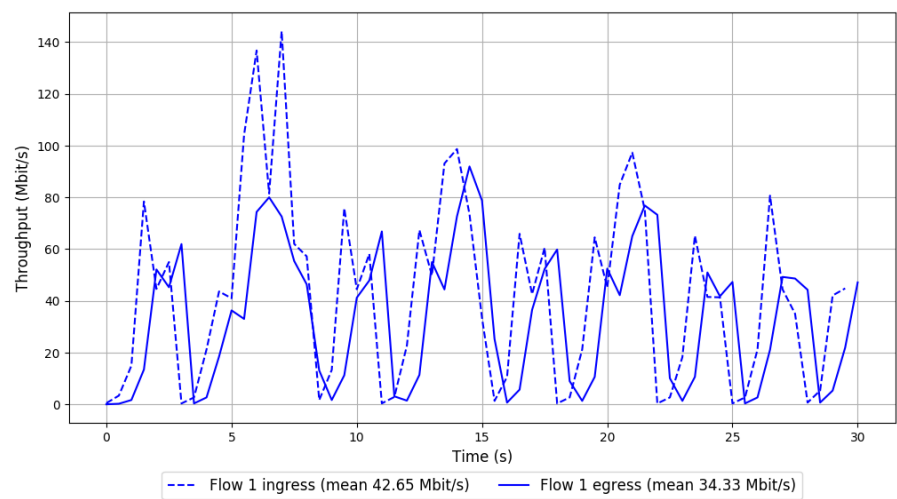
-- Flow 1:

Average throughput: 34.33 Mbit/s

95th percentile per-packet one-way delay: 109.485 ms

Loss rate: 19.50%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-30 11:00:53

End at: 2018-05-30 11:01:23

Local clock offset: -1.388 ms

Remote clock offset: 0.903 ms

Below is generated by plot.py at 2018-05-30 11:51:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 109.495 ms

Loss rate: 9.72%

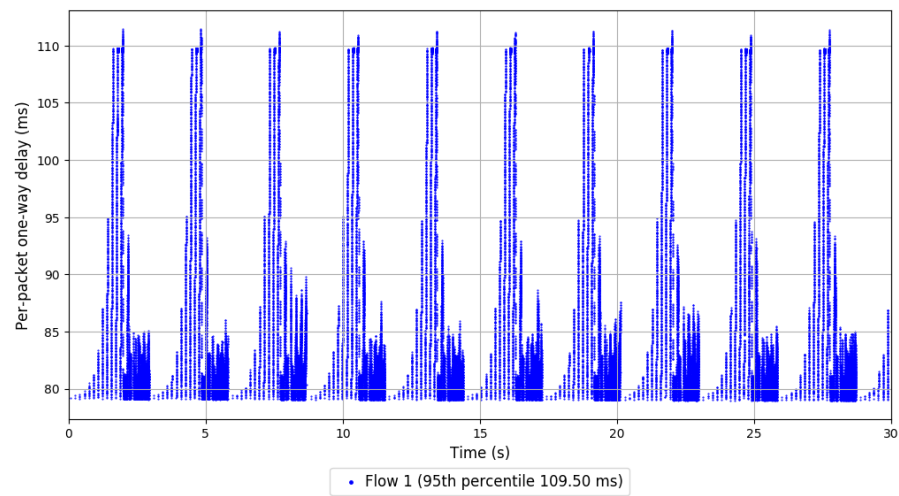
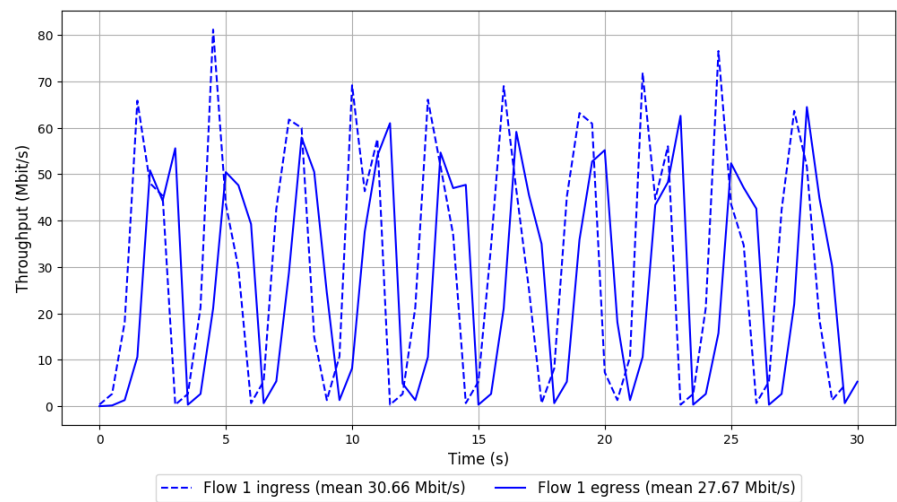
-- Flow 1:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 109.495 ms

Loss rate: 9.72%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-30 11:19:33

End at: 2018-05-30 11:20:03

Local clock offset: -6.271 ms

Remote clock offset: 3.287 ms

Below is generated by plot.py at 2018-05-30 11:52:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.16 Mbit/s

95th percentile per-packet one-way delay: 176.110 ms

Loss rate: 85.47%

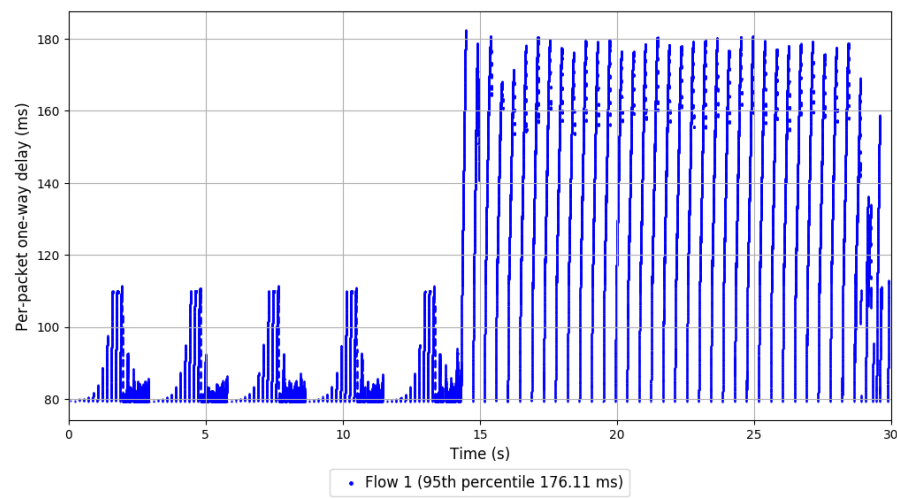
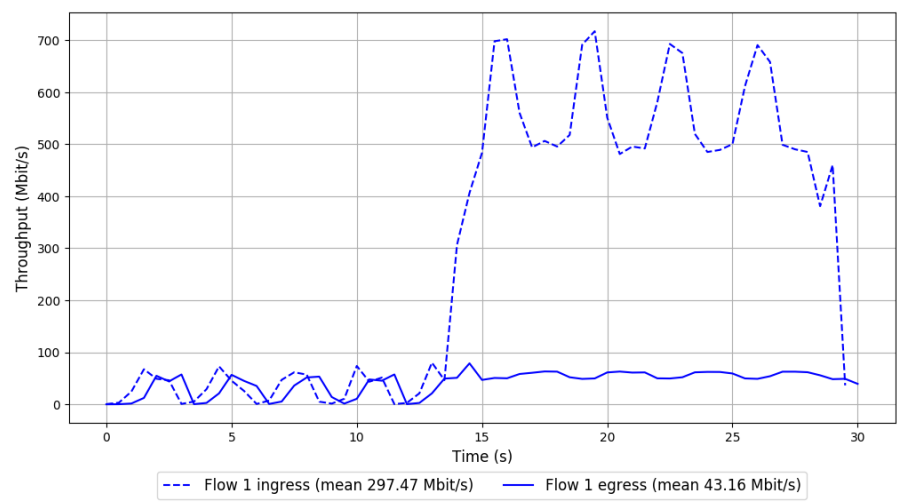
-- Flow 1:

Average throughput: 43.16 Mbit/s

95th percentile per-packet one-way delay: 176.110 ms

Loss rate: 85.47%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-30 08:33:49

End at: 2018-05-30 08:34:19

Local clock offset: -0.813 ms

Remote clock offset: 3.656 ms

Below is generated by plot.py at 2018-05-30 11:52:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 90.038 ms

Loss rate: 0.03%

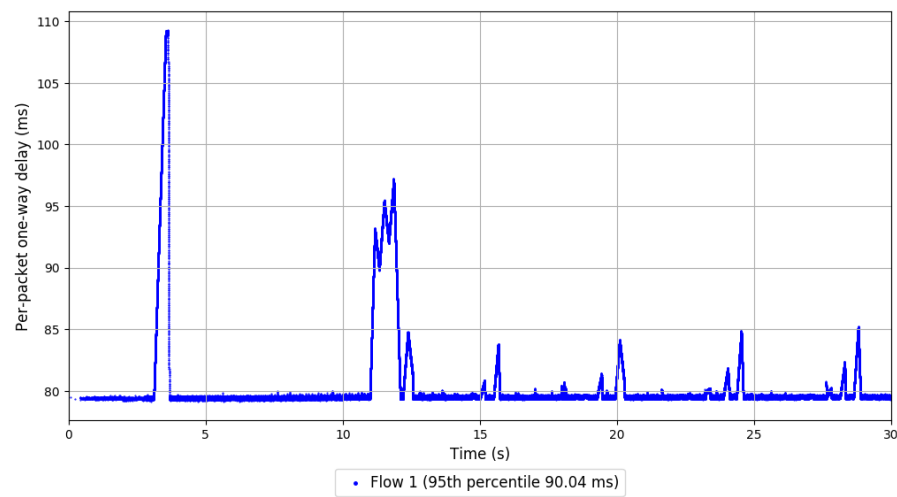
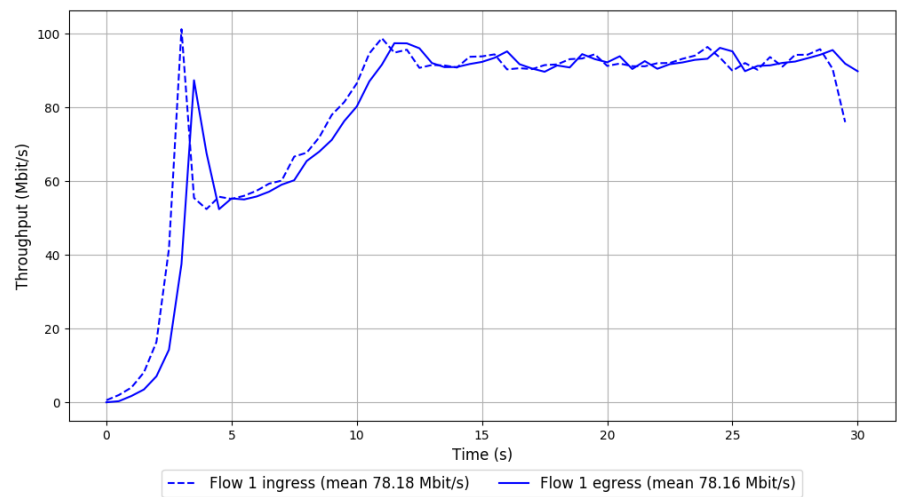
-- Flow 1:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 90.038 ms

Loss rate: 0.03%

Run 1: Report of PCC-Vivace — Data Link

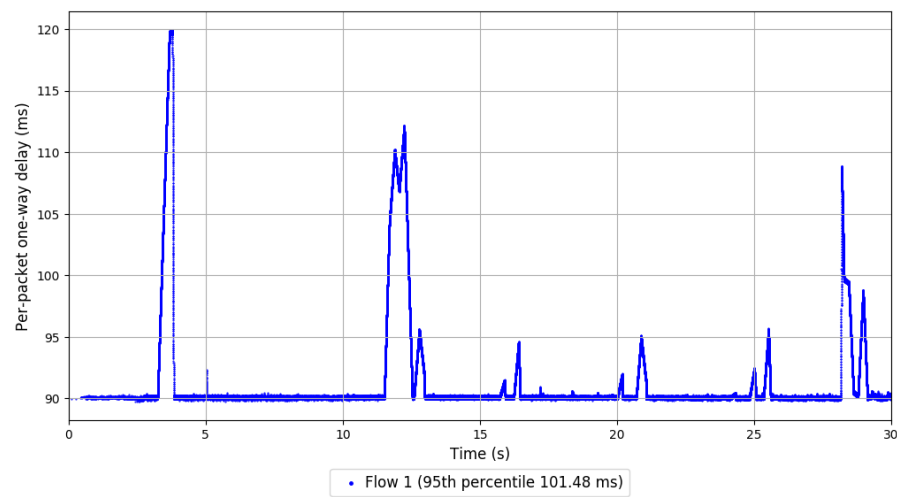
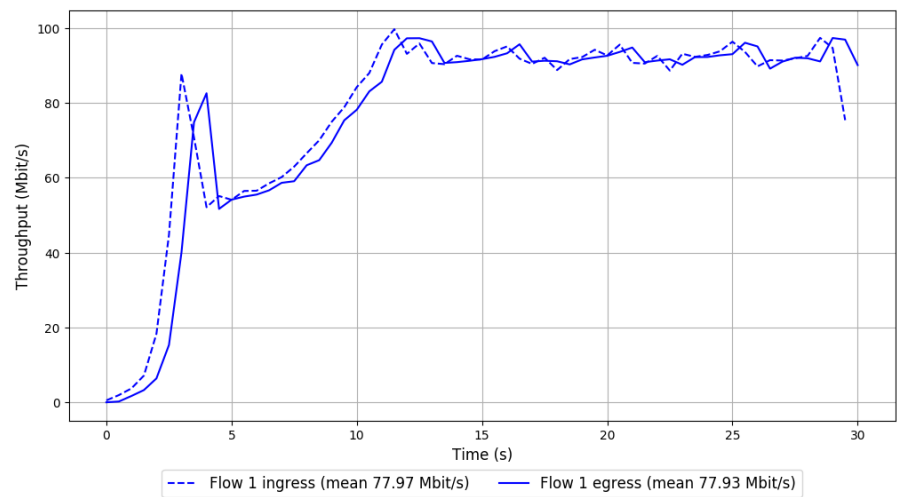


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-30 08:52:30
End at: 2018-05-30 08:53:00
Local clock offset: 0.031 ms
Remote clock offset: 14.219 ms

Below is generated by plot.py at 2018-05-30 11:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 101.482 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 101.482 ms
Loss rate: 0.06%

Run 2: Report of PCC-Vivace — Data Link

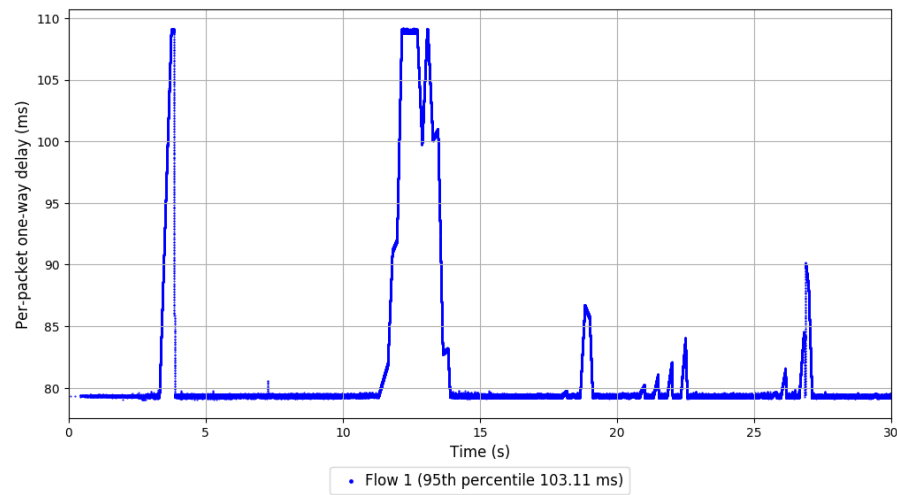
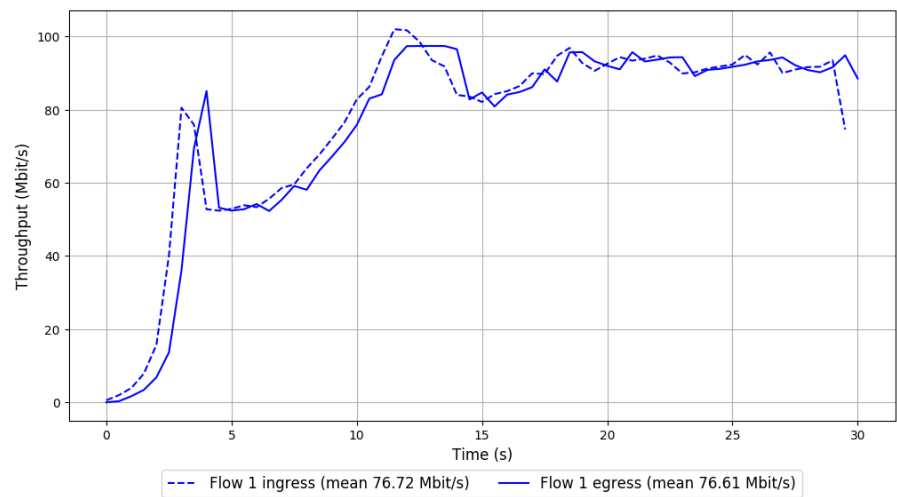


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-30 09:11:10
End at: 2018-05-30 09:11:40
Local clock offset: 0.147 ms
Remote clock offset: 12.232 ms

Below is generated by plot.py at 2018-05-30 11:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 103.110 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 103.110 ms
Loss rate: 0.14%

Run 3: Report of PCC-Vivace — Data Link

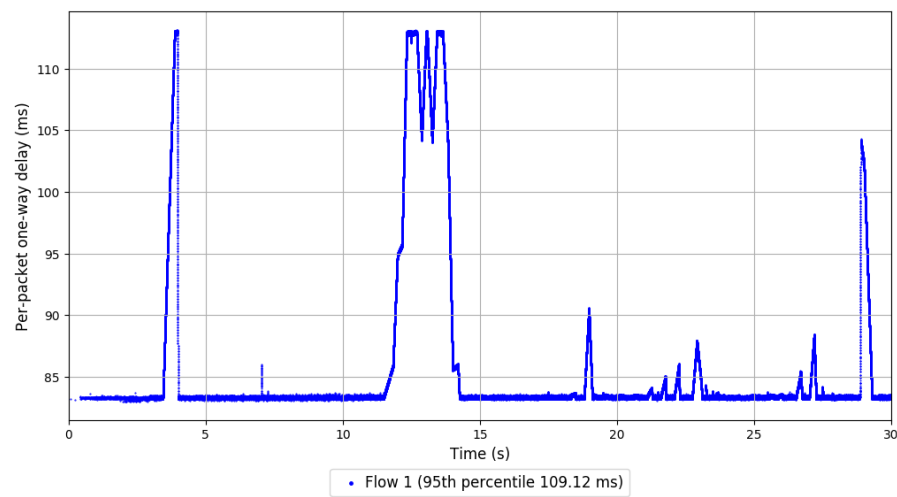
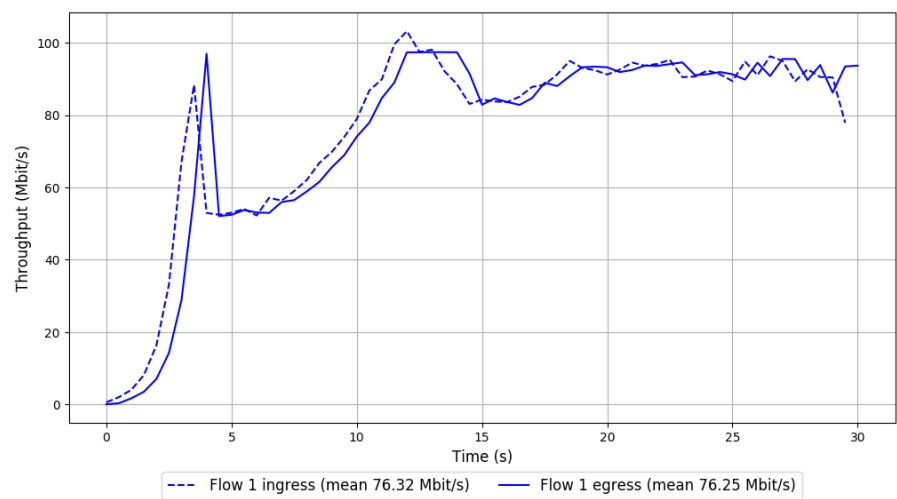


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-30 09:29:50
End at: 2018-05-30 09:30:20
Local clock offset: -0.912 ms
Remote clock offset: 19.005 ms

Below is generated by plot.py at 2018-05-30 11:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.25 Mbit/s
95th percentile per-packet one-way delay: 109.120 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 76.25 Mbit/s
95th percentile per-packet one-way delay: 109.120 ms
Loss rate: 0.10%

Run 4: Report of PCC-Vivace — Data Link

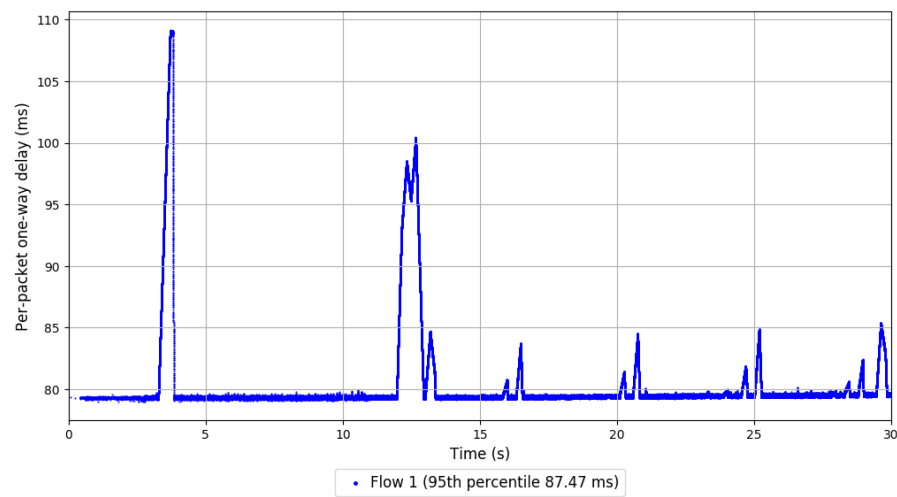
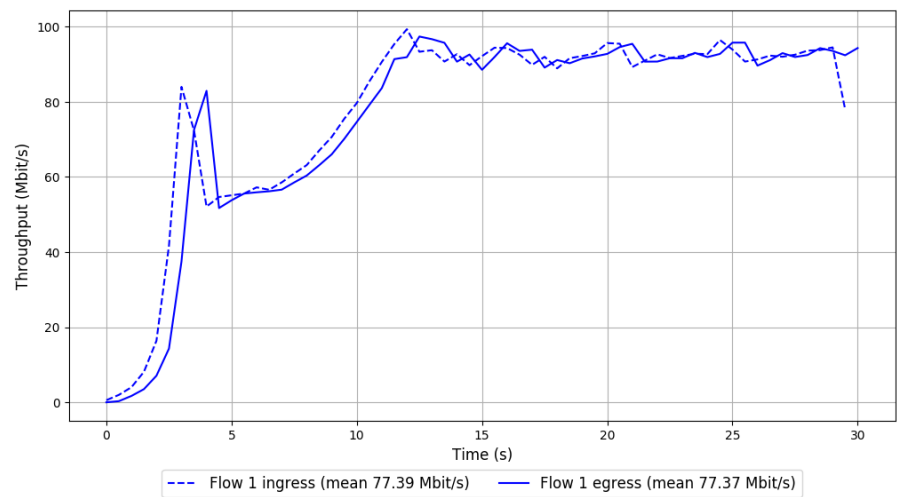


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-30 09:48:29
End at: 2018-05-30 09:48:59
Local clock offset: -0.772 ms
Remote clock offset: 15.765 ms

Below is generated by plot.py at 2018-05-30 11:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 87.469 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 87.469 ms
Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-30 10:07:09

End at: 2018-05-30 10:07:39

Local clock offset: -0.903 ms

Remote clock offset: 9.051 ms

Below is generated by plot.py at 2018-05-30 11:52:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.70 Mbit/s

95th percentile per-packet one-way delay: 112.285 ms

Loss rate: 0.14%

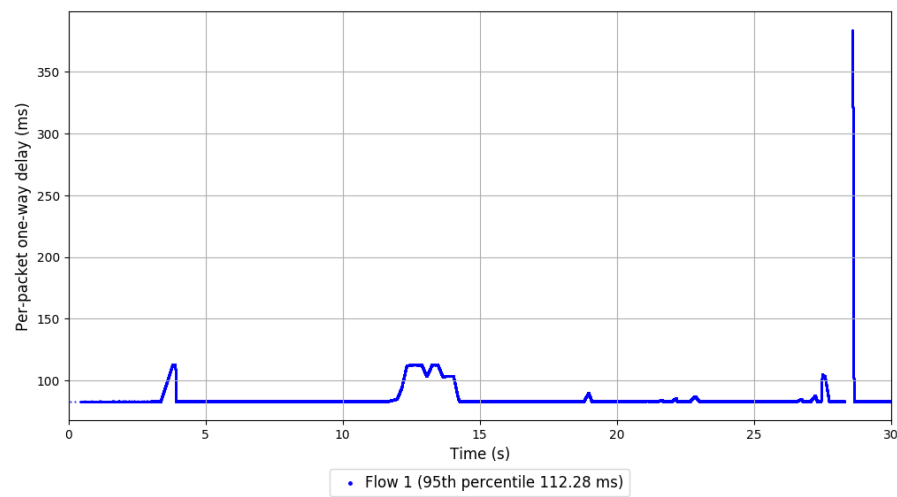
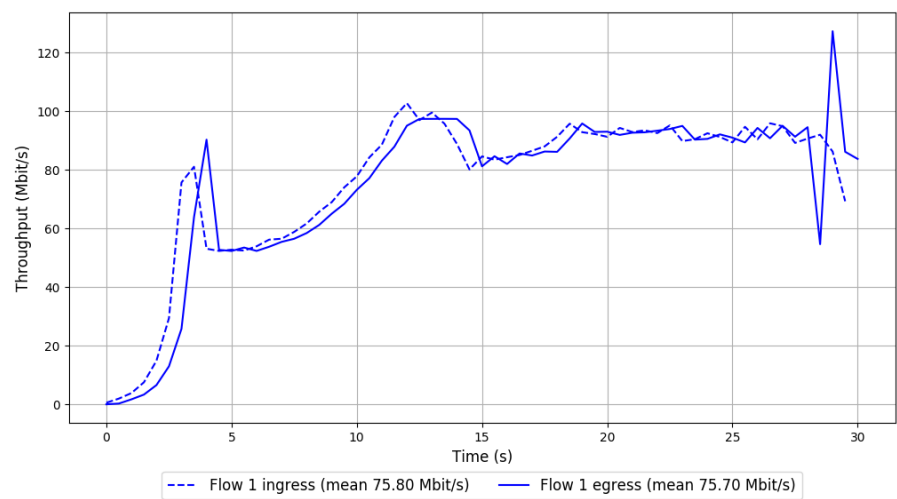
-- Flow 1:

Average throughput: 75.70 Mbit/s

95th percentile per-packet one-way delay: 112.285 ms

Loss rate: 0.14%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-30 10:25:53

End at: 2018-05-30 10:26:23

Local clock offset: -2.145 ms

Remote clock offset: 7.092 ms

Below is generated by plot.py at 2018-05-30 11:52:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.65 Mbit/s

95th percentile per-packet one-way delay: 96.789 ms

Loss rate: 0.05%

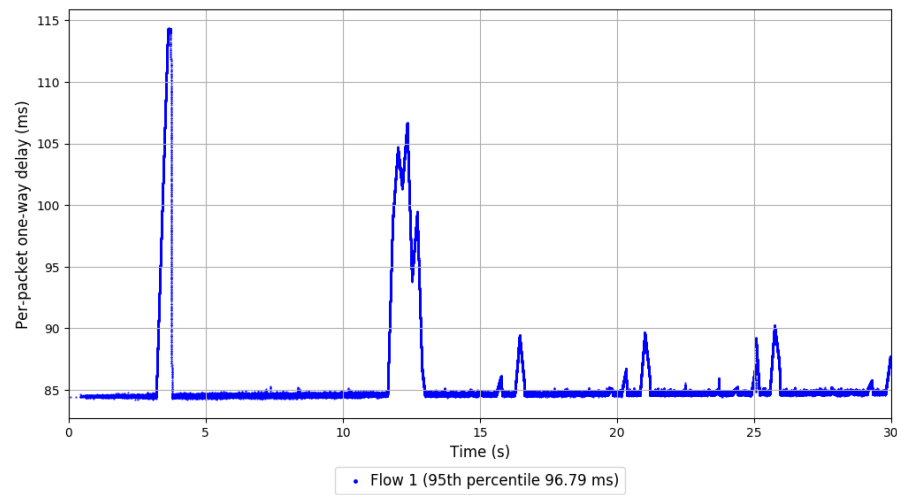
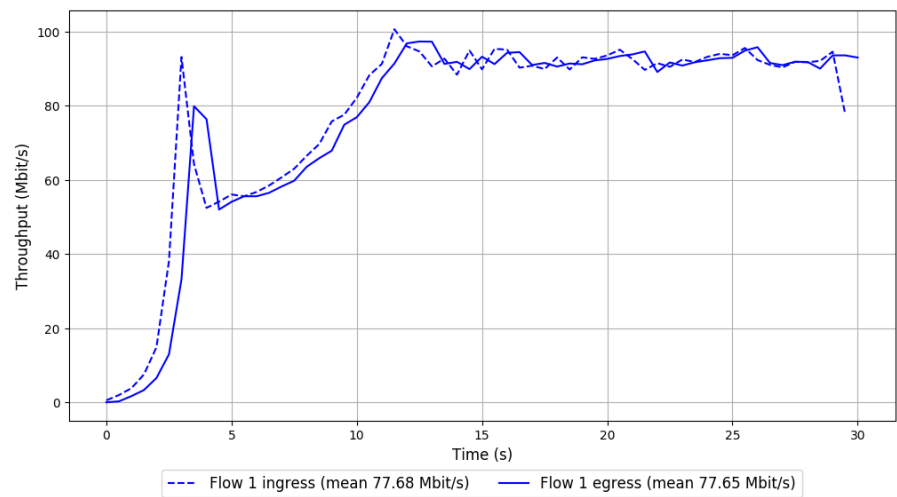
-- Flow 1:

Average throughput: 77.65 Mbit/s

95th percentile per-packet one-way delay: 96.789 ms

Loss rate: 0.05%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-30 10:44:35

End at: 2018-05-30 10:45:05

Local clock offset: -3.275 ms

Remote clock offset: 2.032 ms

Below is generated by plot.py at 2018-05-30 11:52:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.99 Mbit/s

95th percentile per-packet one-way delay: 95.428 ms

Loss rate: 0.03%

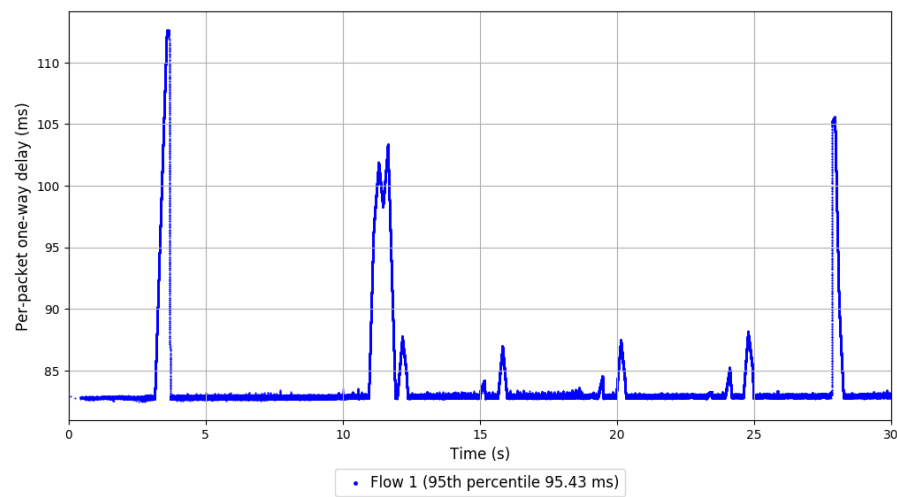
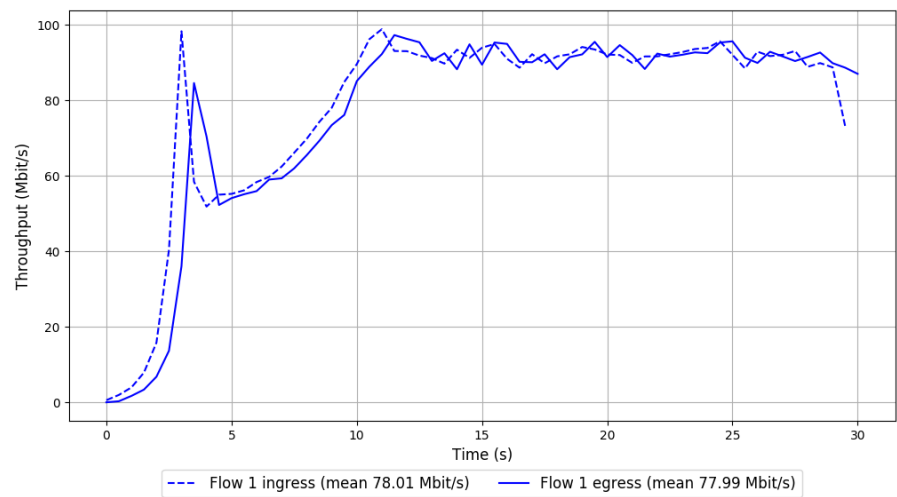
-- Flow 1:

Average throughput: 77.99 Mbit/s

95th percentile per-packet one-way delay: 95.428 ms

Loss rate: 0.03%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-30 11:03:16

End at: 2018-05-30 11:03:46

Local clock offset: -1.36 ms

Remote clock offset: 5.443 ms

Below is generated by plot.py at 2018-05-30 11:52:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.33 Mbit/s

95th percentile per-packet one-way delay: 110.025 ms

Loss rate: 0.16%

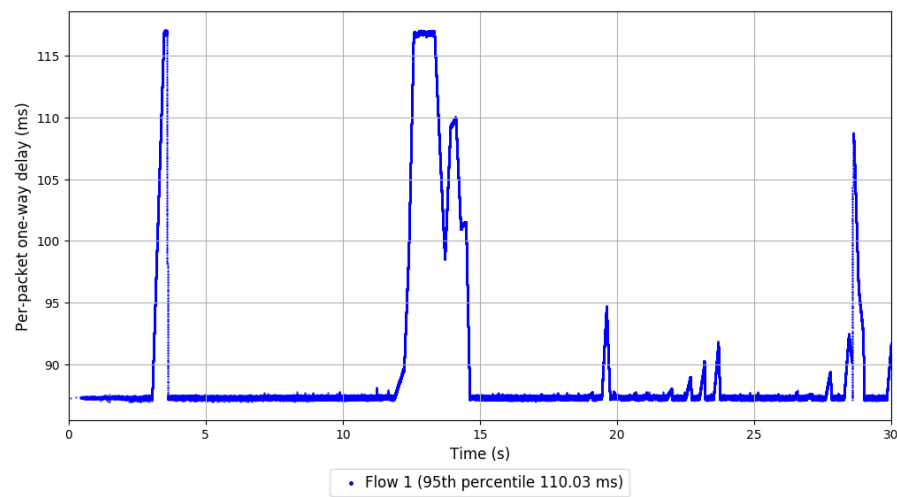
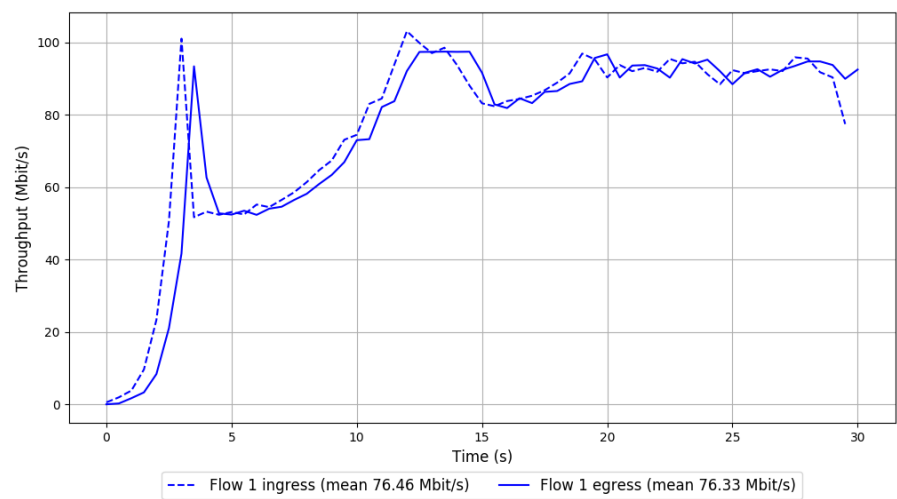
-- Flow 1:

Average throughput: 76.33 Mbit/s

95th percentile per-packet one-way delay: 110.025 ms

Loss rate: 0.16%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-30 11:22:00

End at: 2018-05-30 11:22:30

Local clock offset: -5.866 ms

Remote clock offset: 3.229 ms

Below is generated by plot.py at 2018-05-30 11:52:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 87.134 ms

Loss rate: 0.03%

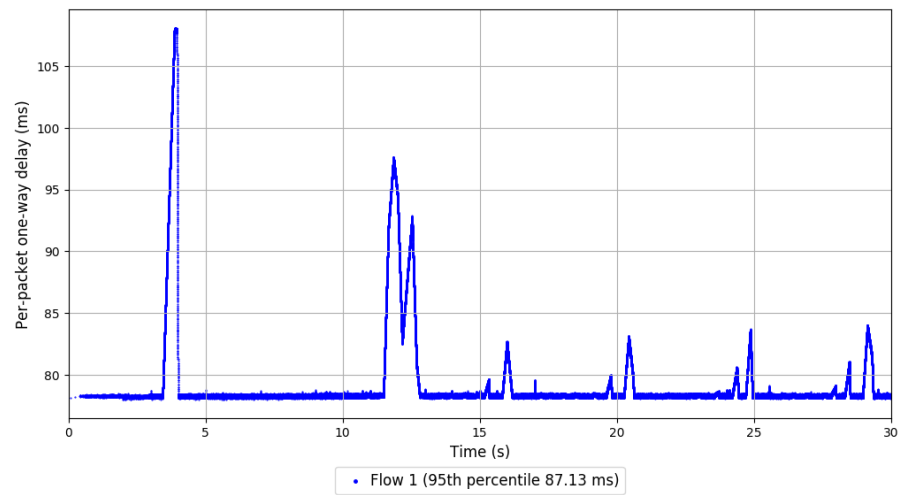
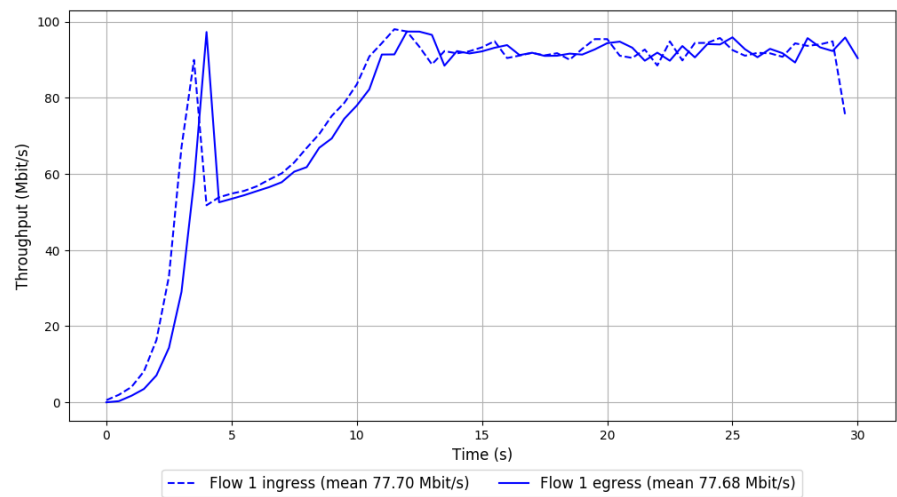
-- Flow 1:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 87.134 ms

Loss rate: 0.03%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-05-30 08:39:37

End at: 2018-05-30 08:40:07

Local clock offset: -0.012 ms

Remote clock offset: 4.505 ms

Below is generated by plot.py at 2018-05-30 11:52:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 80.422 ms

Loss rate: 0.00%

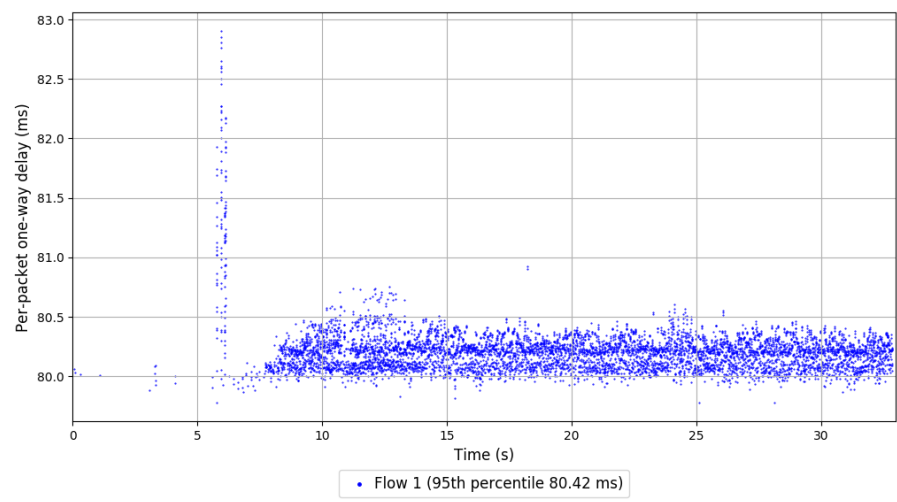
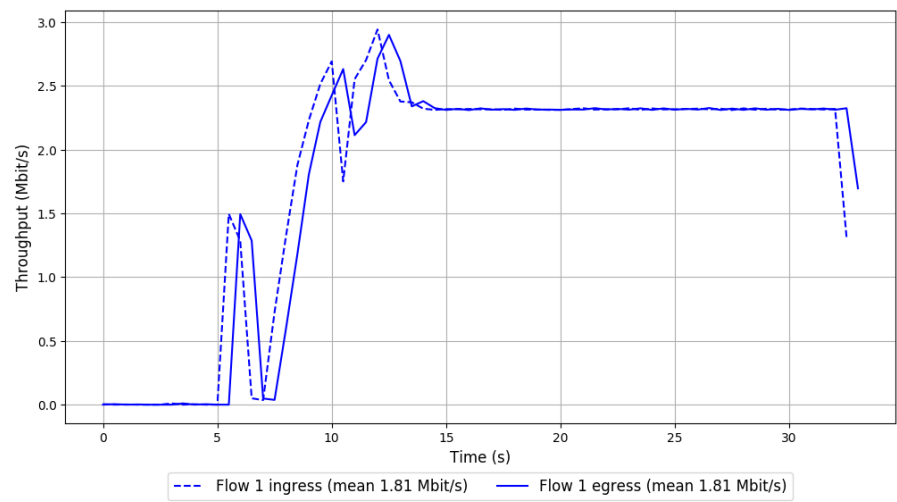
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 80.422 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

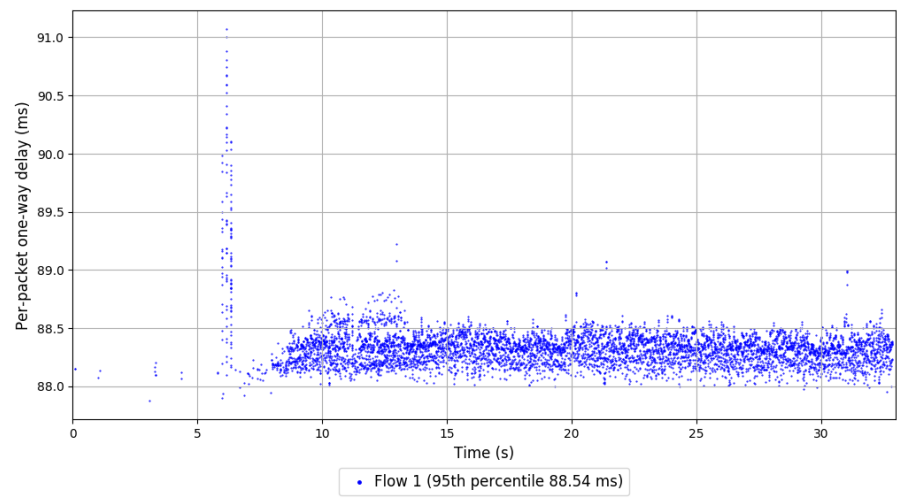
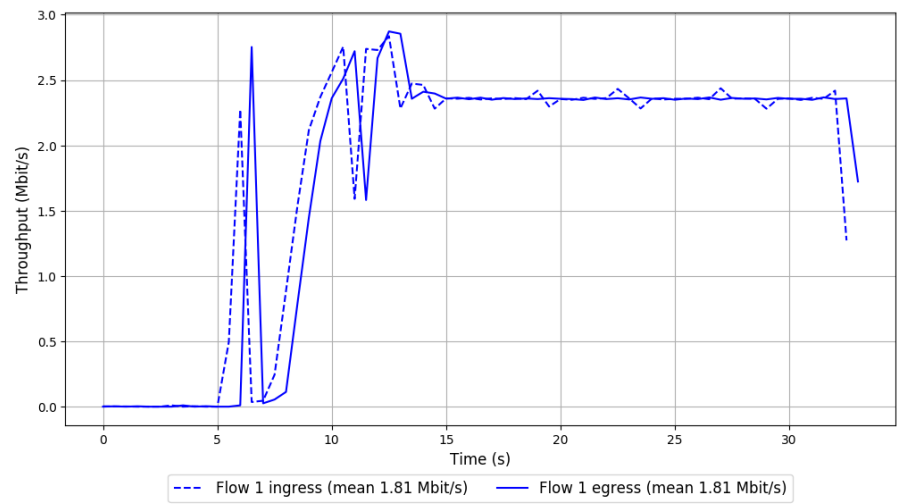


Run 2: Statistics of WebRTC media

Start at: 2018-05-30 08:58:18
End at: 2018-05-30 08:58:48
Local clock offset: -0.46 ms
Remote clock offset: 14.348 ms

Below is generated by plot.py at 2018-05-30 11:52:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 88.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 88.541 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

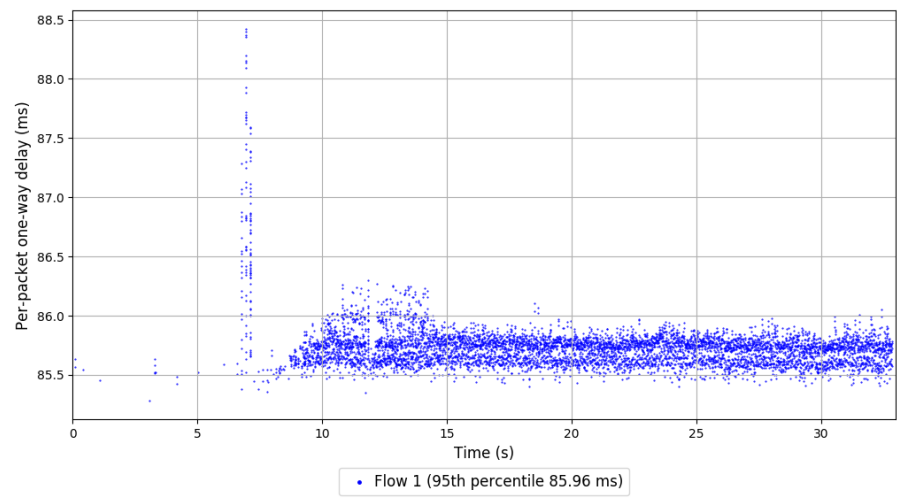
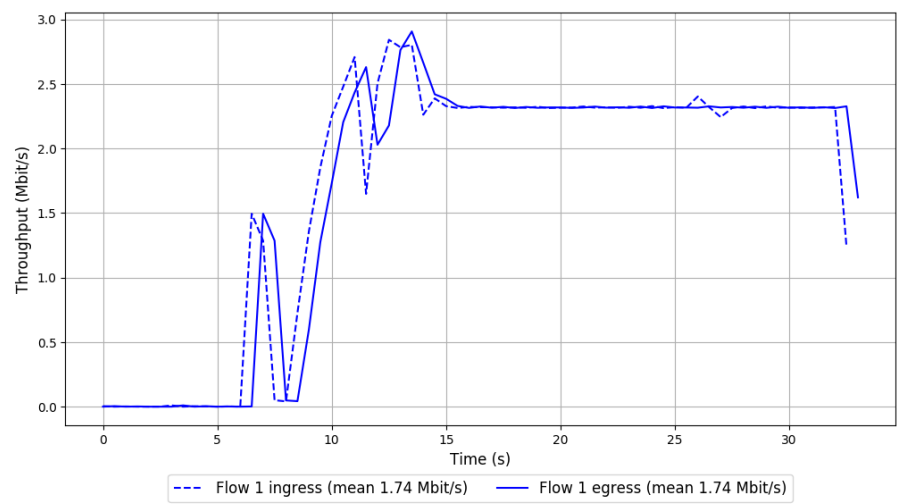


Run 3: Statistics of WebRTC media

Start at: 2018-05-30 09:16:58
End at: 2018-05-30 09:17:28
Local clock offset: -0.942 ms
Remote clock offset: 17.781 ms

Below is generated by plot.py at 2018-05-30 11:52:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 85.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 85.956 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

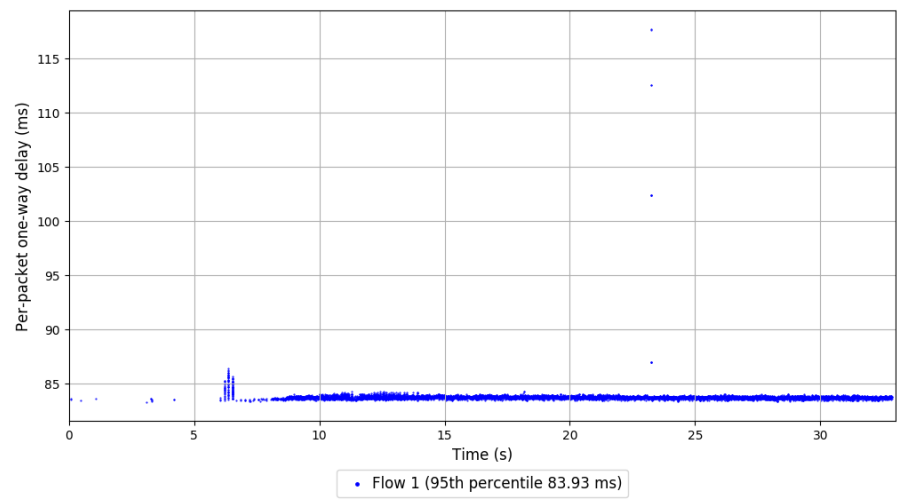
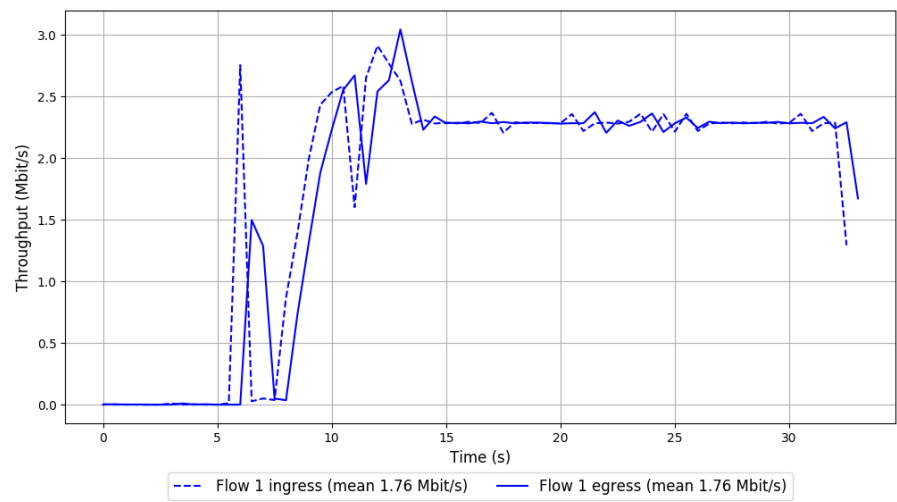


Run 4: Statistics of WebRTC media

Start at: 2018-05-30 09:35:38
End at: 2018-05-30 09:36:08
Local clock offset: 0.008 ms
Remote clock offset: 20.362 ms

Below is generated by plot.py at 2018-05-30 11:52:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 83.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 83.932 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

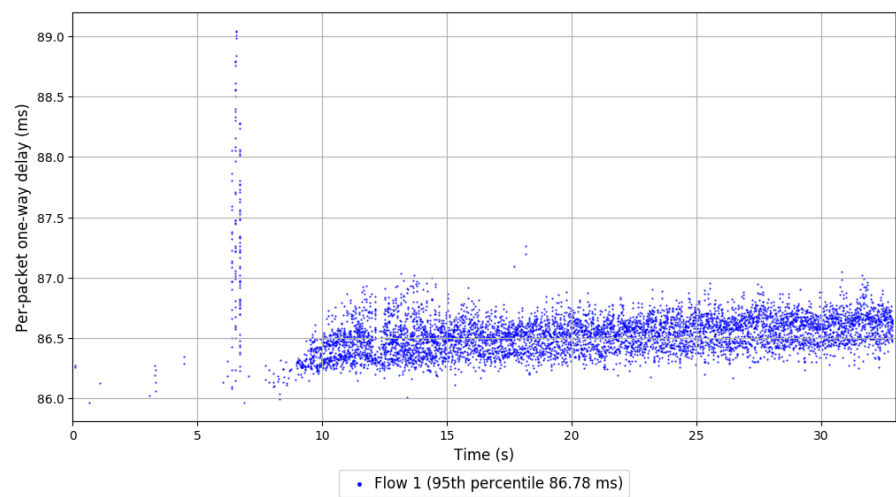
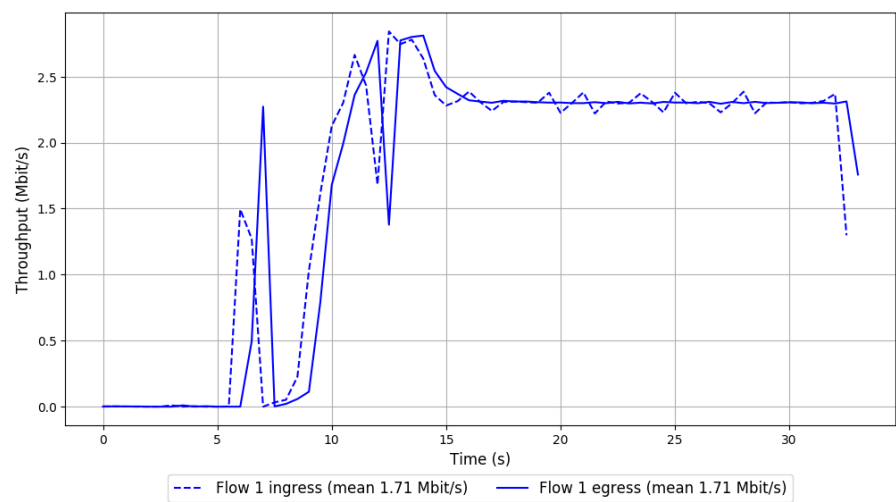


Run 5: Statistics of WebRTC media

Start at: 2018-05-30 09:54:17
End at: 2018-05-30 09:54:47
Local clock offset: -1.66 ms
Remote clock offset: 18.255 ms

Below is generated by plot.py at 2018-05-30 11:52:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 86.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 86.778 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-30 10:12:55

End at: 2018-05-30 10:13:25

Local clock offset: -2.377 ms

Remote clock offset: 9.327 ms

Below is generated by plot.py at 2018-05-30 11:52:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 82.544 ms

Loss rate: 0.02%

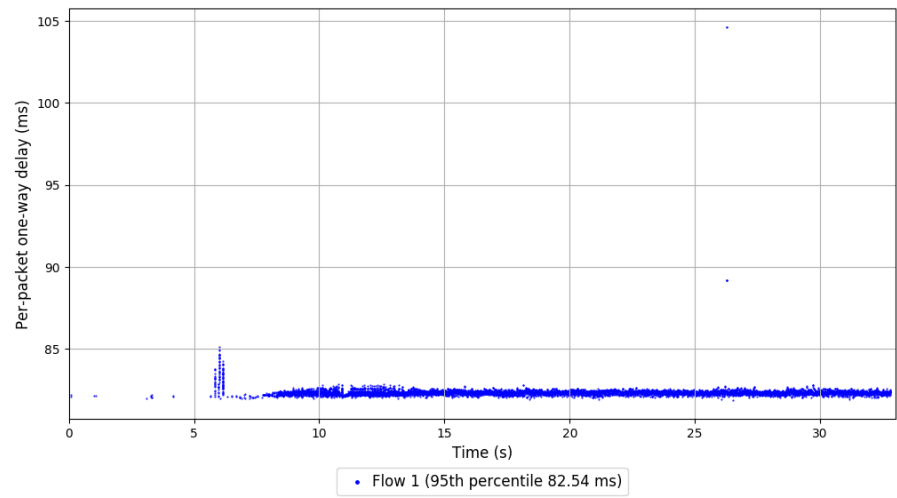
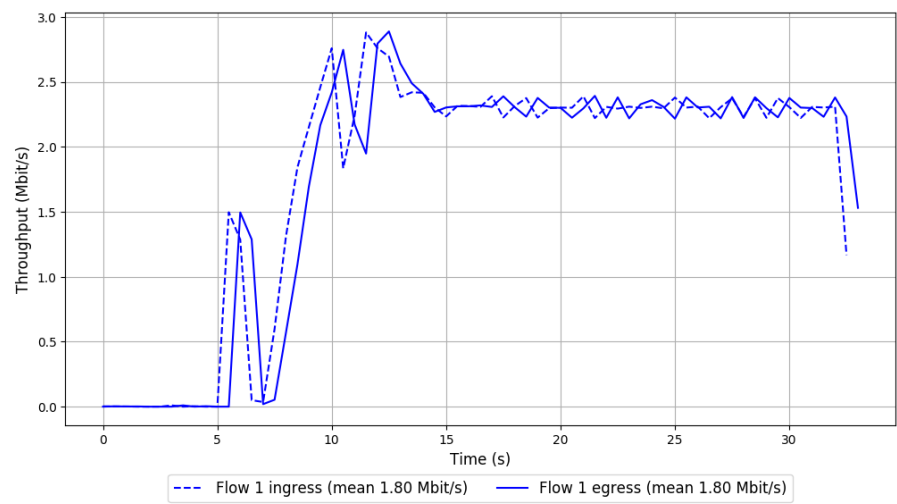
-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 82.544 ms

Loss rate: 0.02%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-30 10:31:42

End at: 2018-05-30 10:32:12

Local clock offset: -2.227 ms

Remote clock offset: 8.712 ms

Below is generated by plot.py at 2018-05-30 11:52:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 83.211 ms

Loss rate: 0.00%

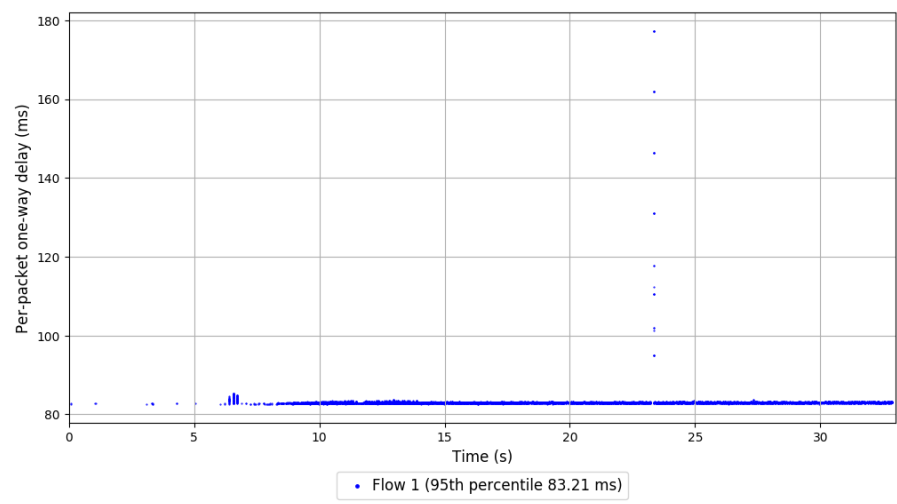
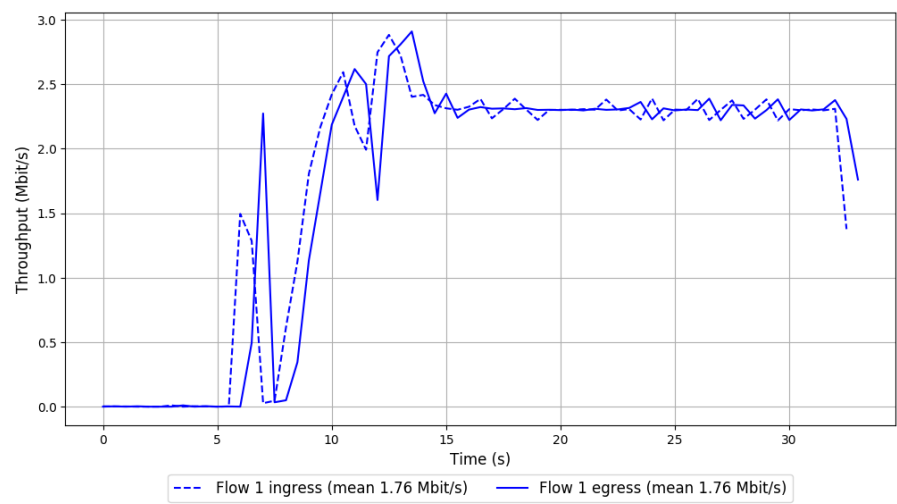
-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 83.211 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-30 10:50:24

End at: 2018-05-30 10:50:54

Local clock offset: -3.179 ms

Remote clock offset: 0.45 ms

Below is generated by plot.py at 2018-05-30 11:52:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 82.654 ms

Loss rate: 0.00%

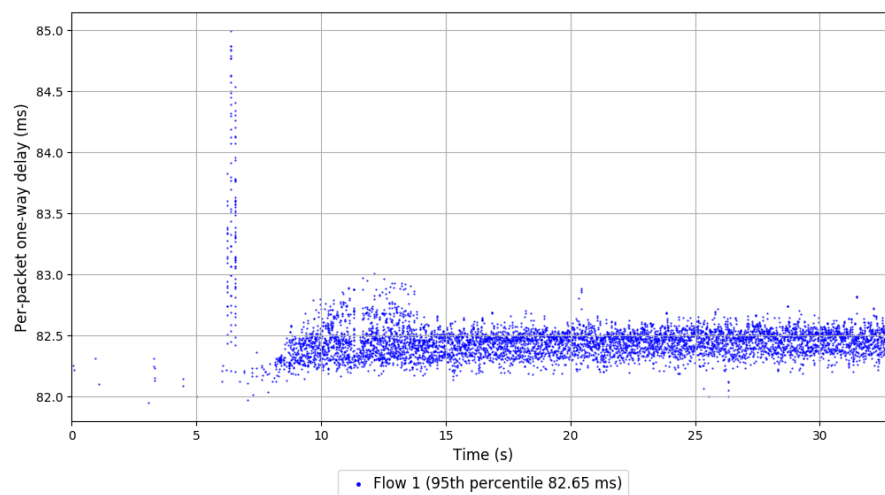
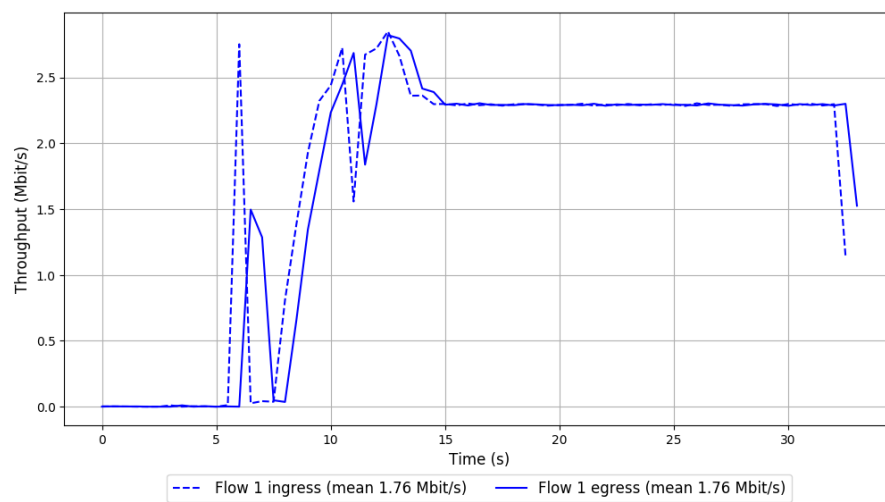
-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 82.654 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-30 11:09:04

End at: 2018-05-30 11:09:34

Local clock offset: -2.651 ms

Remote clock offset: 3.031 ms

Below is generated by plot.py at 2018-05-30 11:52:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 80.161 ms

Loss rate: 0.00%

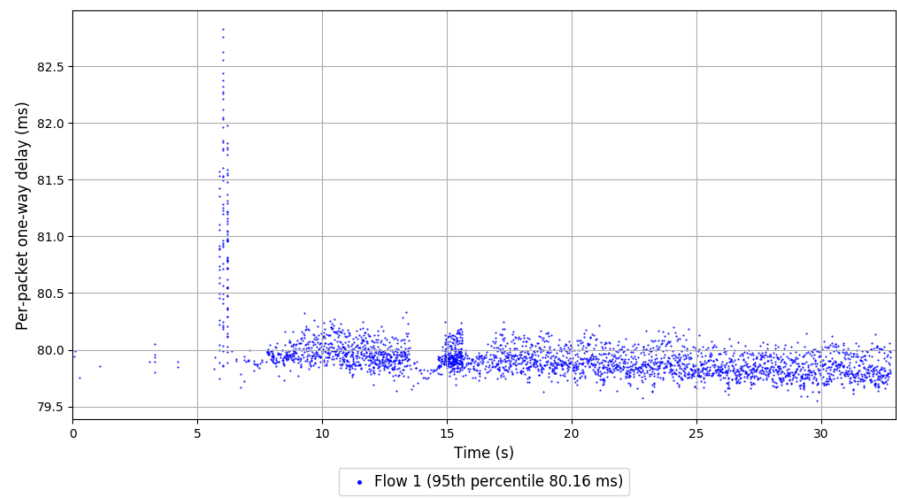
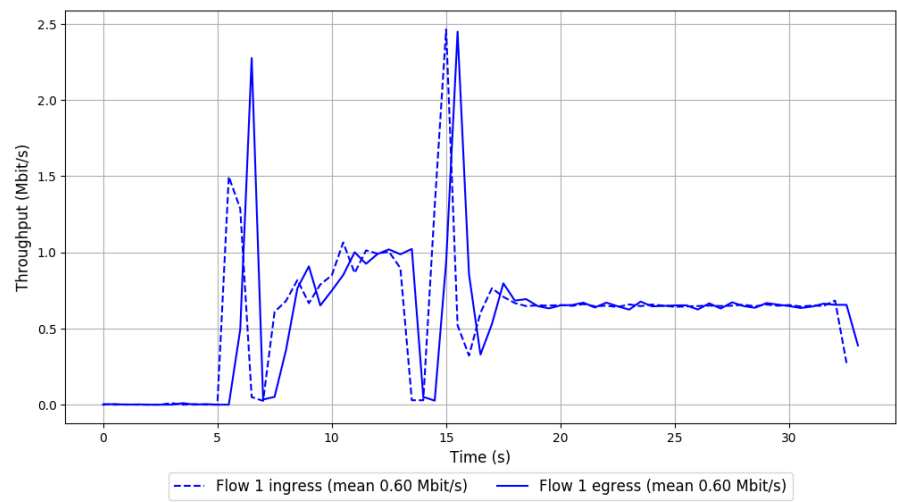
-- Flow 1:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 80.161 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-30 11:27:49

End at: 2018-05-30 11:28:19

Local clock offset: -7.297 ms

Remote clock offset: 7.256 ms

Below is generated by plot.py at 2018-05-30 11:52:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 83.758 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 83.758 ms

Loss rate: 0.02%

Run 10: Report of WebRTC media — Data Link

