

Pantheon Report

Generated at 2018-07-04 03:01:27 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

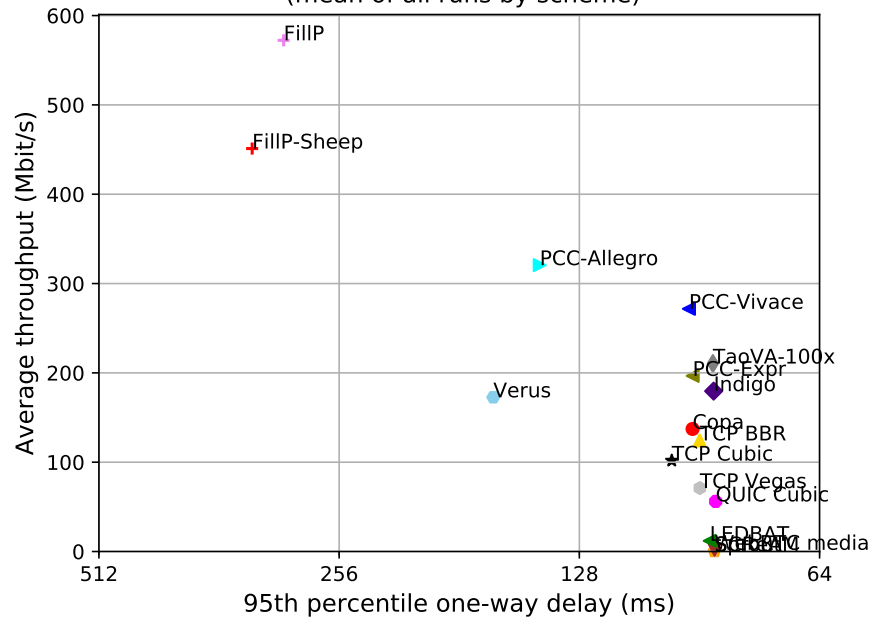
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

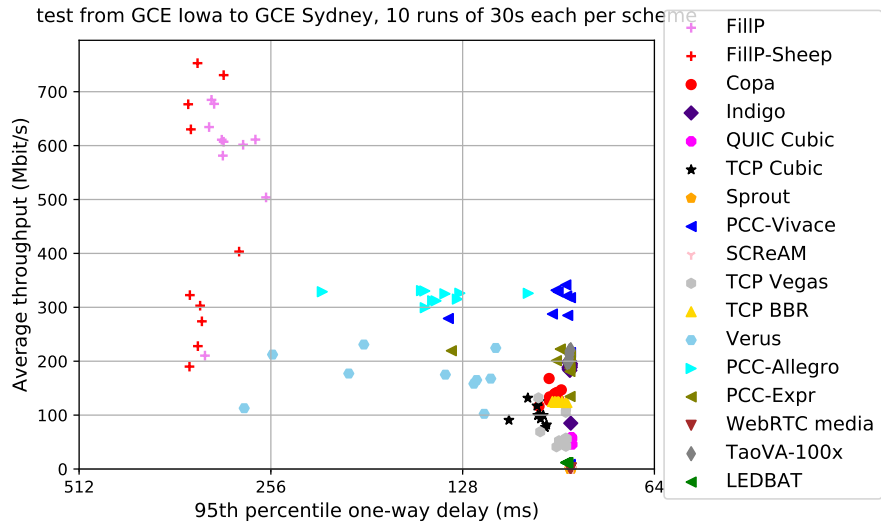
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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 @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	124.37	90.45	0.59
Copa	10	137.23	92.33	0.67
TCP Cubic	10	101.75	98.04	0.66
FillP	10	572.31	300.45	2.37
FillP-Sheep	10	451.13	329.04	6.53
Indigo	9	179.57	86.88	0.61
LEDBAT	10	11.93	87.88	1.16
PCC-Allegro	10	320.61	143.50	0.99
PCC-Expr	10	196.62	92.31	0.85
QUIC Cubic	9	56.11	86.37	0.78
SCReAM	10	0.22	86.57	0.57
Sprout	10	0.26	86.67	0.82
TaoVA-100x	10	210.44	87.07	0.64
TCP Vegas	10	71.04	90.41	0.62
Verus	10	172.64	164.09	0.97
PCC-Vivace	10	271.69	93.31	1.06
WebRTC media	9	1.92	86.65	0.65

Run 1: Statistics of TCP BBR

Start at: 2018-07-03 22:14:35

End at: 2018-07-03 22:15:05

Local clock offset: -0.005 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2018-07-04 01:44:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.86 Mbit/s

95th percentile per-packet one-way delay: 91.645 ms

Loss rate: 0.61%

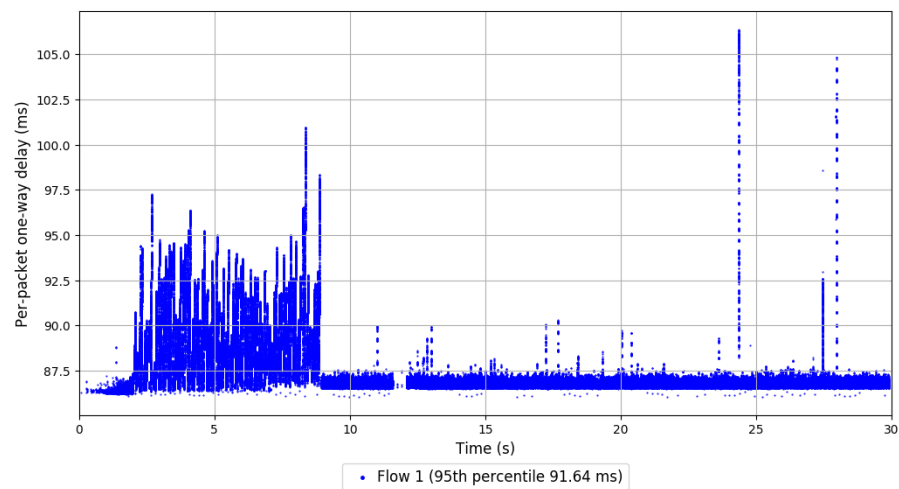
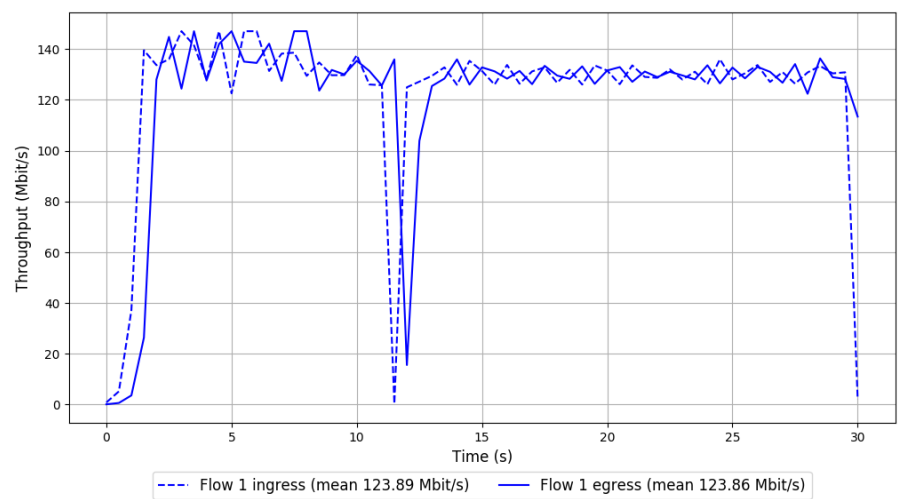
-- Flow 1:

Average throughput: 123.86 Mbit/s

95th percentile per-packet one-way delay: 91.645 ms

Loss rate: 0.61%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-03 22:36:14

End at: 2018-07-03 22:36:44

Local clock offset: -0.03 ms

Remote clock offset: 0.488 ms

Below is generated by plot.py at 2018-07-04 01:44:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.46 Mbit/s

95th percentile per-packet one-way delay: 90.410 ms

Loss rate: 0.63%

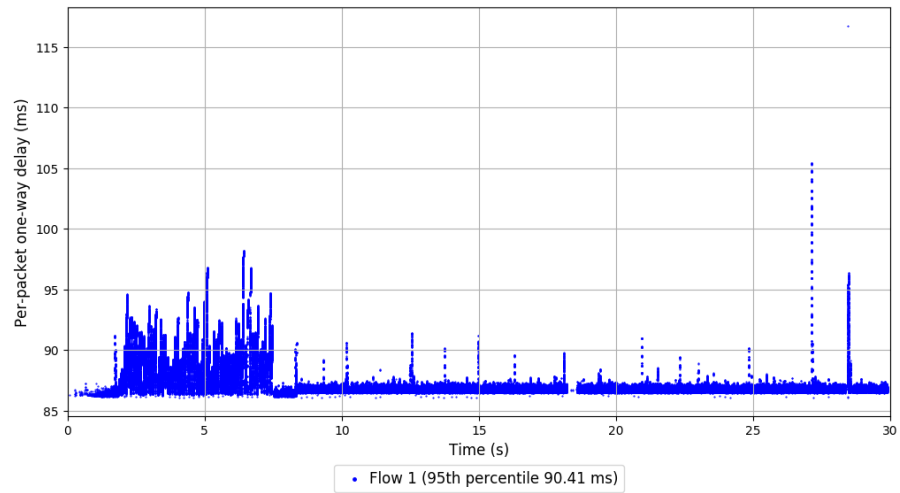
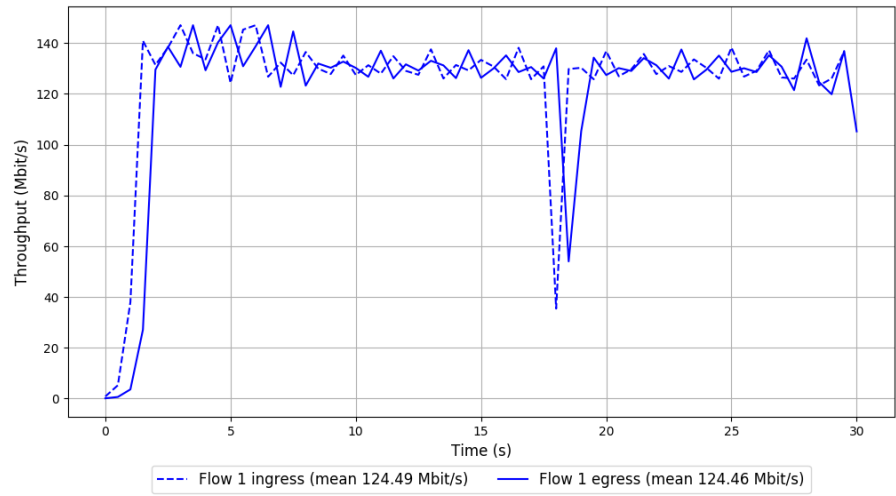
-- Flow 1:

Average throughput: 124.46 Mbit/s

95th percentile per-packet one-way delay: 90.410 ms

Loss rate: 0.63%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-03 22:57:51

End at: 2018-07-03 22:58:21

Local clock offset: 0.109 ms

Remote clock offset: 0.632 ms

Below is generated by plot.py at 2018-07-04 01:44:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.20 Mbit/s

95th percentile per-packet one-way delay: 91.706 ms

Loss rate: 0.64%

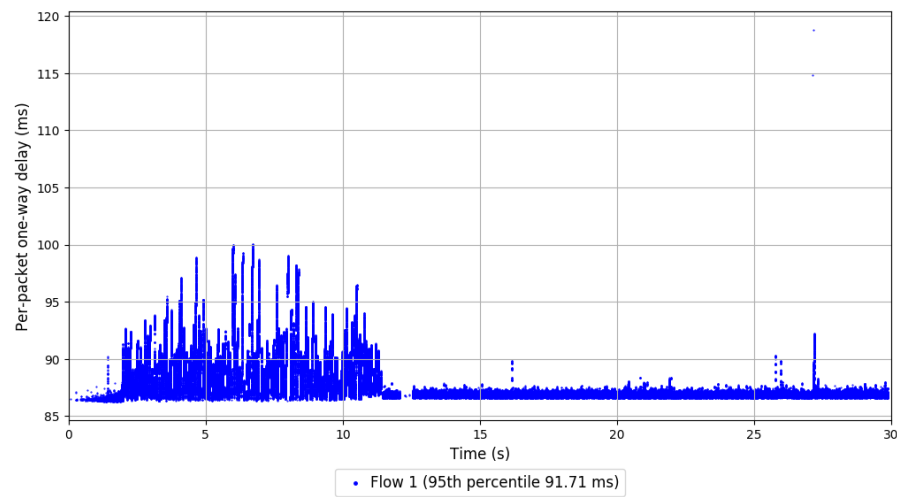
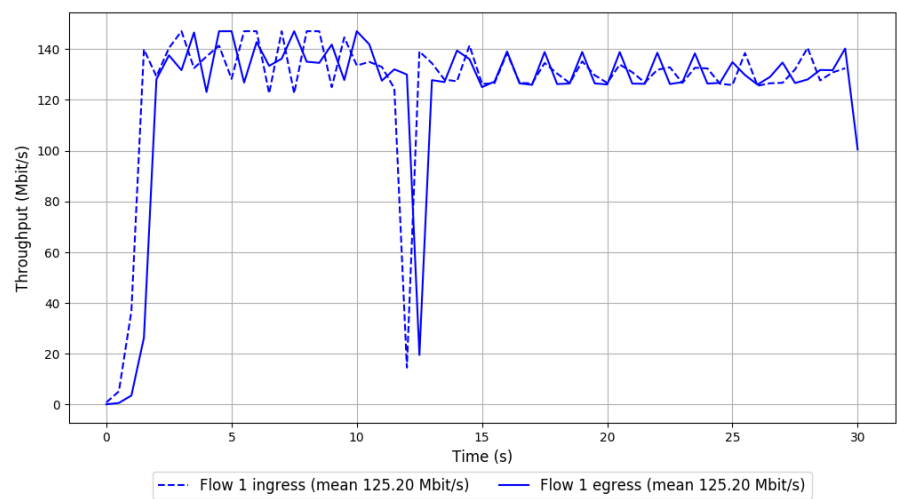
-- Flow 1:

Average throughput: 125.20 Mbit/s

95th percentile per-packet one-way delay: 91.706 ms

Loss rate: 0.64%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-03 23:19:42

End at: 2018-07-03 23:20:12

Local clock offset: 0.018 ms

Remote clock offset: 0.795 ms

Below is generated by plot.py at 2018-07-04 01:44:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.44 Mbit/s

95th percentile per-packet one-way delay: 87.803 ms

Loss rate: 0.46%

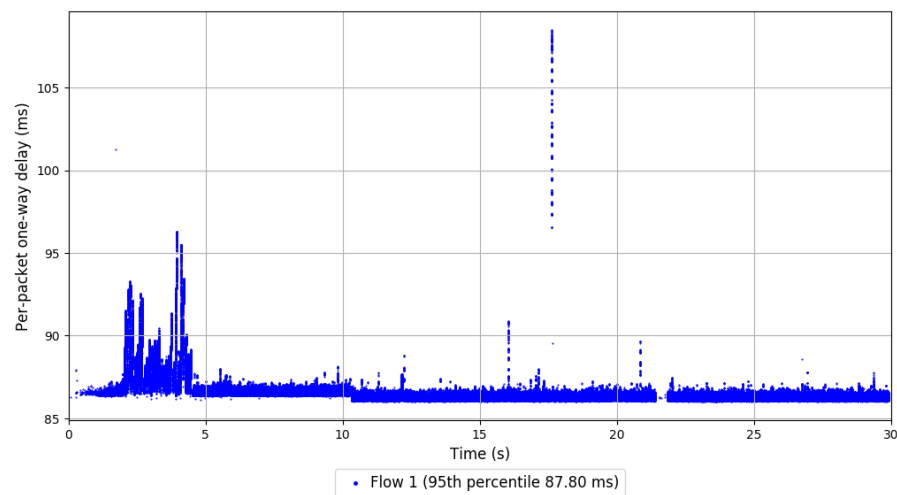
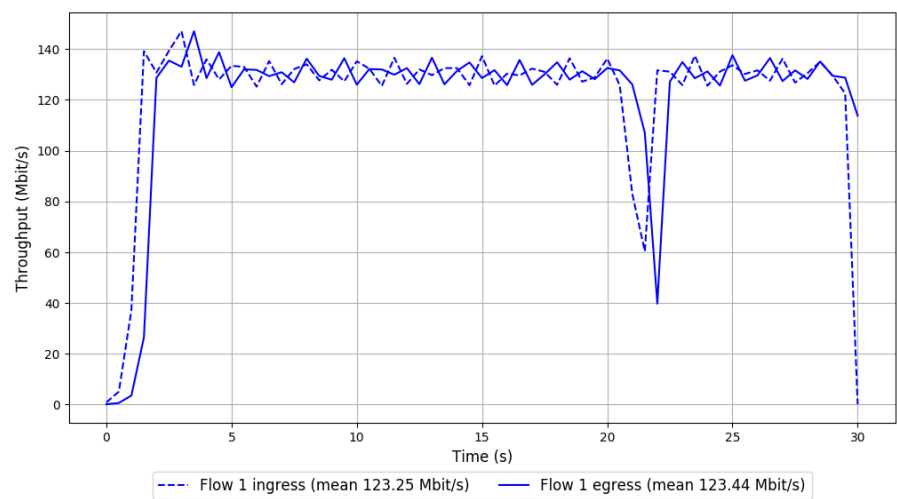
-- Flow 1:

Average throughput: 123.44 Mbit/s

95th percentile per-packet one-way delay: 87.803 ms

Loss rate: 0.46%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-03 23:41:33

End at: 2018-07-03 23:42:03

Local clock offset: 0.086 ms

Remote clock offset: 0.906 ms

Below is generated by plot.py at 2018-07-04 01:44:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.52 Mbit/s

95th percentile per-packet one-way delay: 88.113 ms

Loss rate: 0.60%

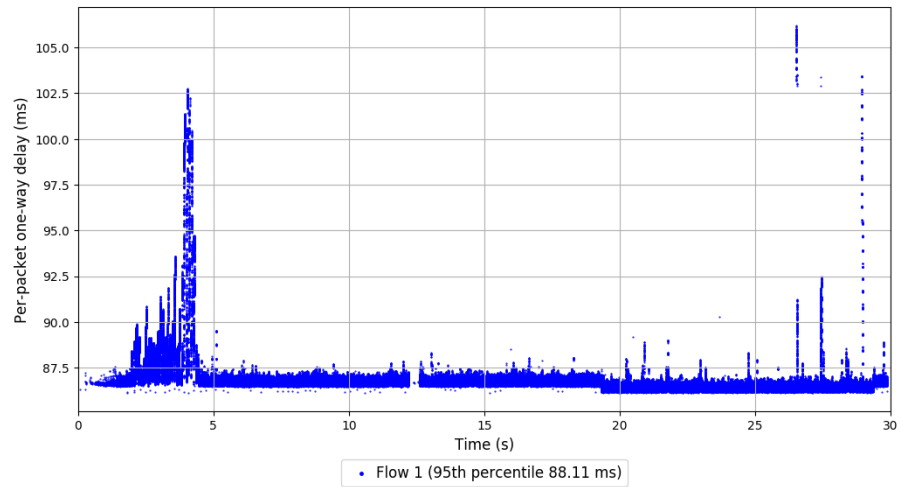
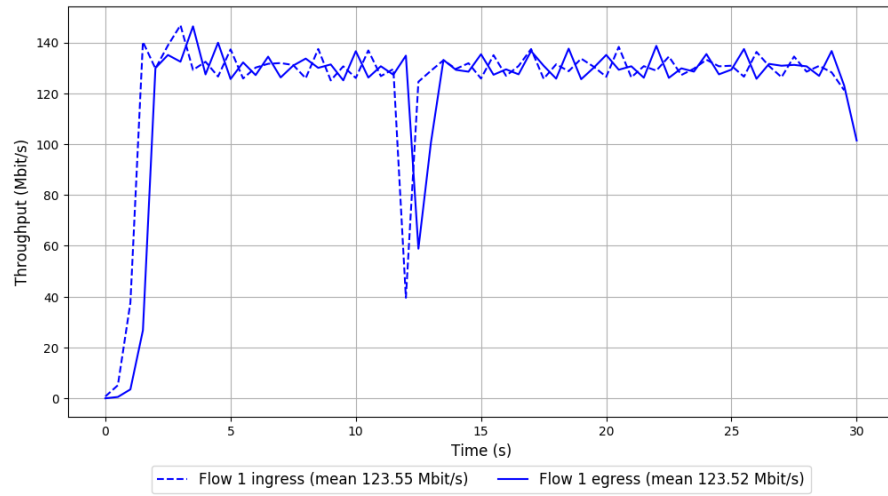
-- Flow 1:

Average throughput: 123.52 Mbit/s

95th percentile per-packet one-way delay: 88.113 ms

Loss rate: 0.60%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-04 00:03:05

End at: 2018-07-04 00:03:35

Local clock offset: -0.025 ms

Remote clock offset: 1.051 ms

Below is generated by plot.py at 2018-07-04 01:44:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.95 Mbit/s

95th percentile per-packet one-way delay: 90.684 ms

Loss rate: 0.59%

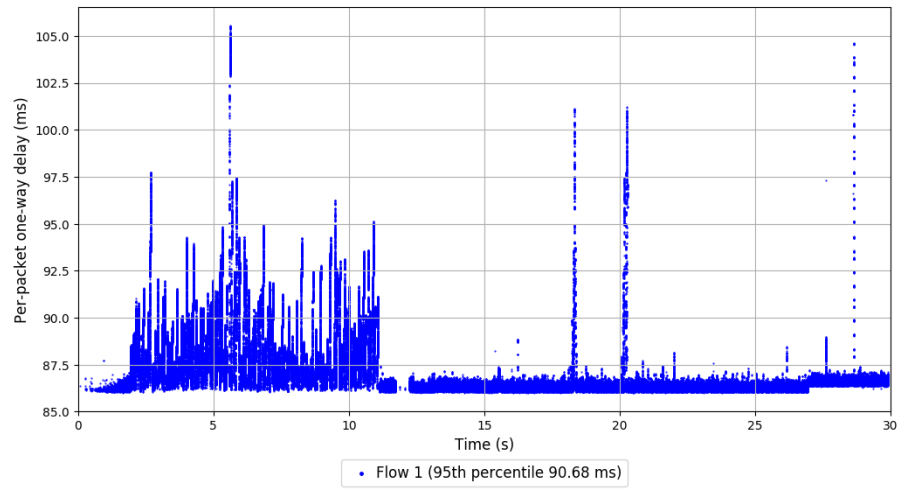
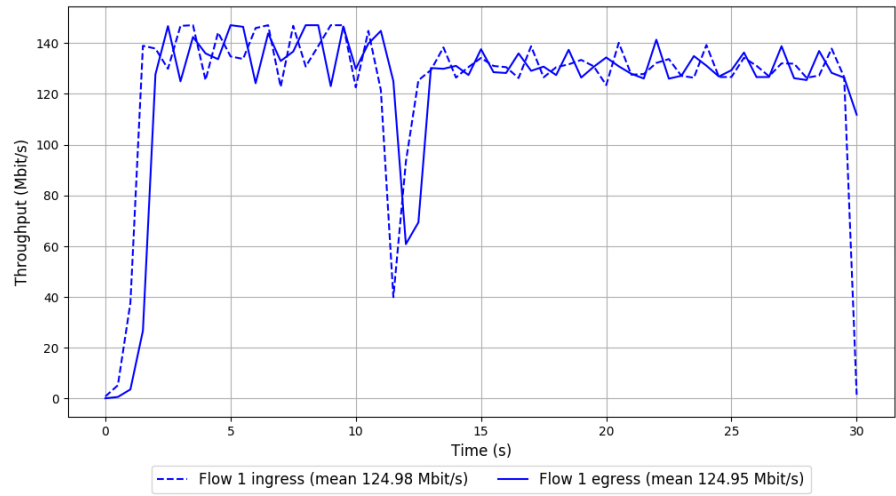
-- Flow 1:

Average throughput: 124.95 Mbit/s

95th percentile per-packet one-way delay: 90.684 ms

Loss rate: 0.59%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-04 00:24:56

End at: 2018-07-04 00:25:26

Local clock offset: -0.127 ms

Remote clock offset: 1.161 ms

Below is generated by plot.py at 2018-07-04 01:44:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.31 Mbit/s

95th percentile per-packet one-way delay: 92.523 ms

Loss rate: 0.56%

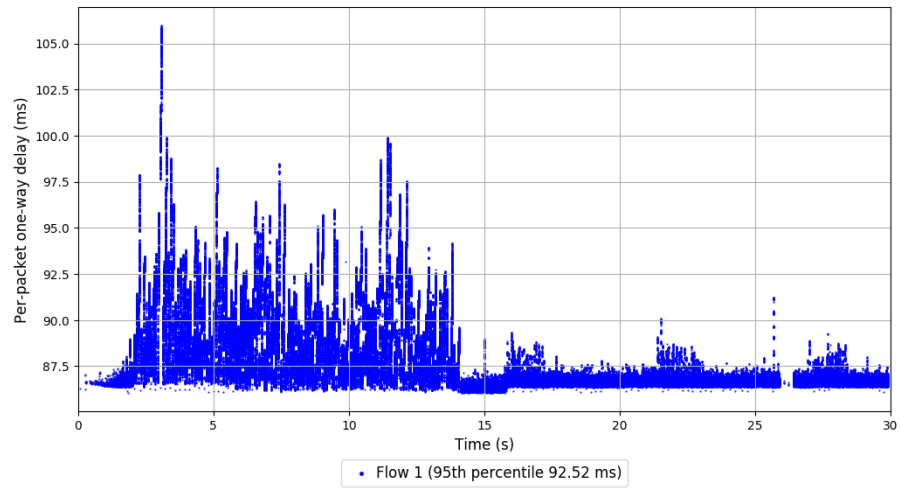
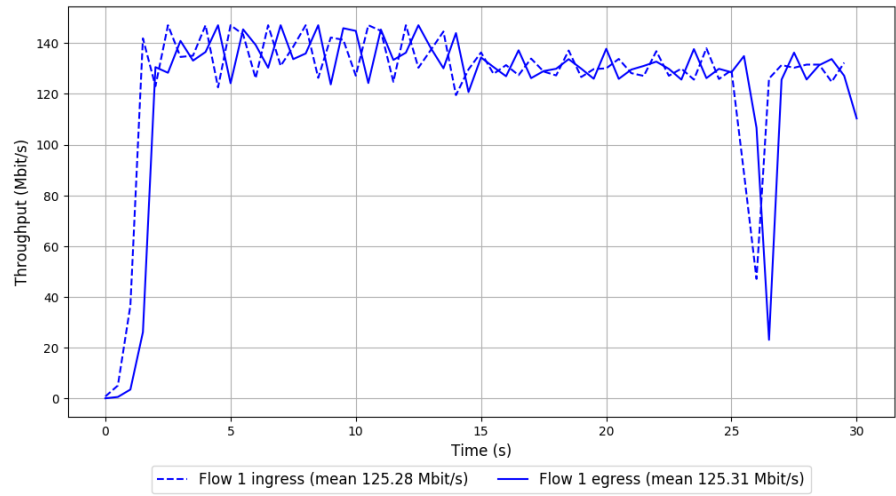
-- Flow 1:

Average throughput: 125.31 Mbit/s

95th percentile per-packet one-way delay: 92.523 ms

Loss rate: 0.56%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-04 00:46:49

End at: 2018-07-04 00:47:19

Local clock offset: -0.088 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-07-04 01:44:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.84 Mbit/s

95th percentile per-packet one-way delay: 91.111 ms

Loss rate: 0.58%

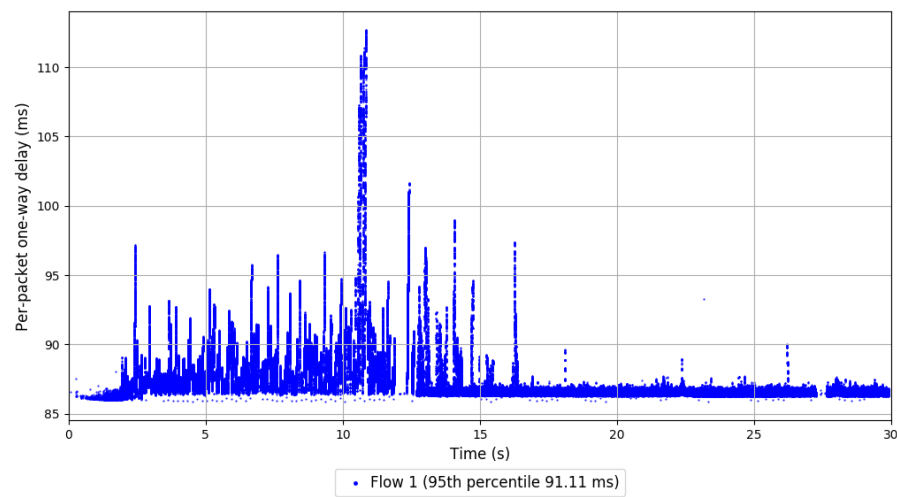
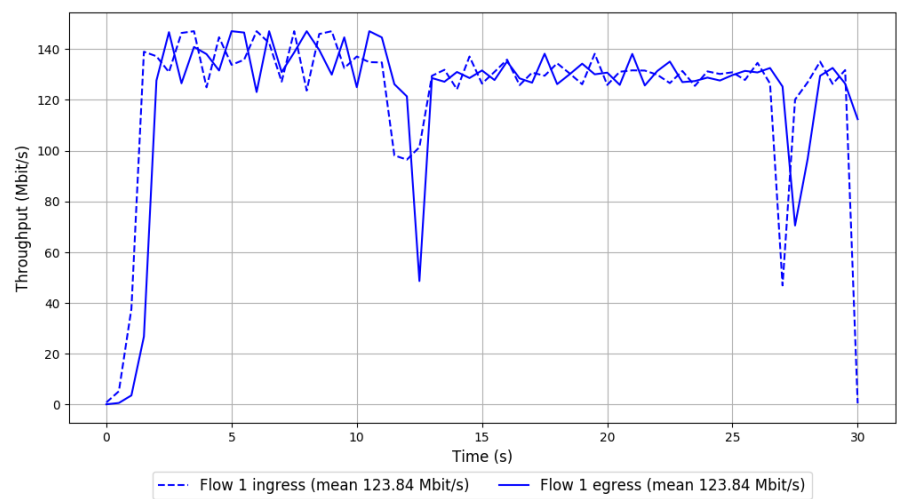
-- Flow 1:

Average throughput: 123.84 Mbit/s

95th percentile per-packet one-way delay: 91.111 ms

Loss rate: 0.58%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-04 01:08:32

End at: 2018-07-04 01:09:02

Local clock offset: -0.001 ms

Remote clock offset: -0.604 ms

Below is generated by plot.py at 2018-07-04 01:46:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.28 Mbit/s

95th percentile per-packet one-way delay: 89.359 ms

Loss rate: 0.59%

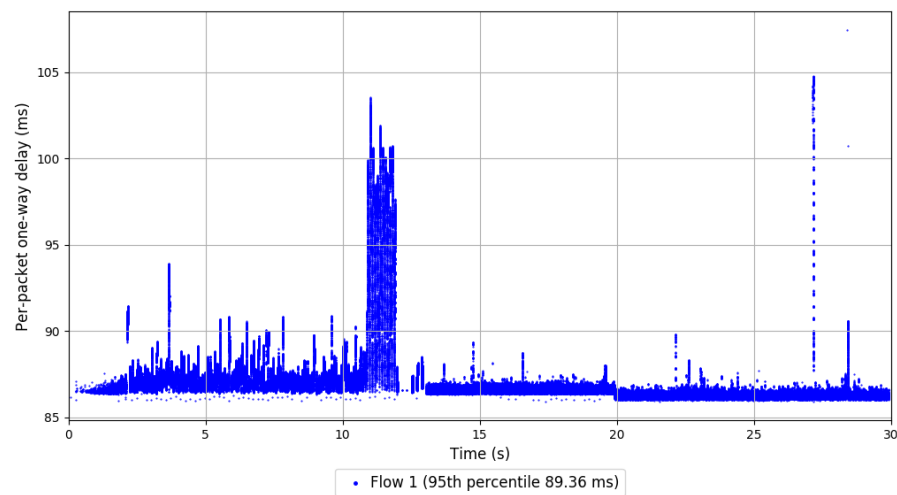
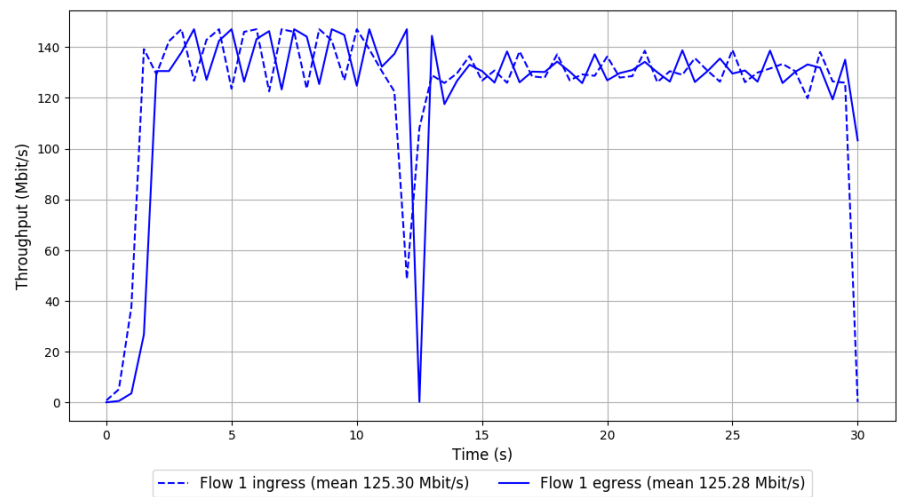
-- Flow 1:

Average throughput: 125.28 Mbit/s

95th percentile per-packet one-way delay: 89.359 ms

Loss rate: 0.59%

Run 9: Report of TCP BBR — Data Link

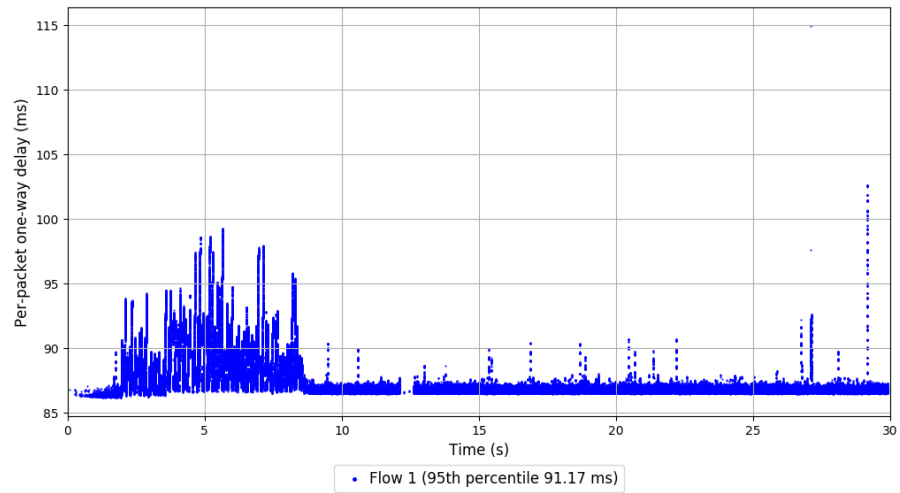
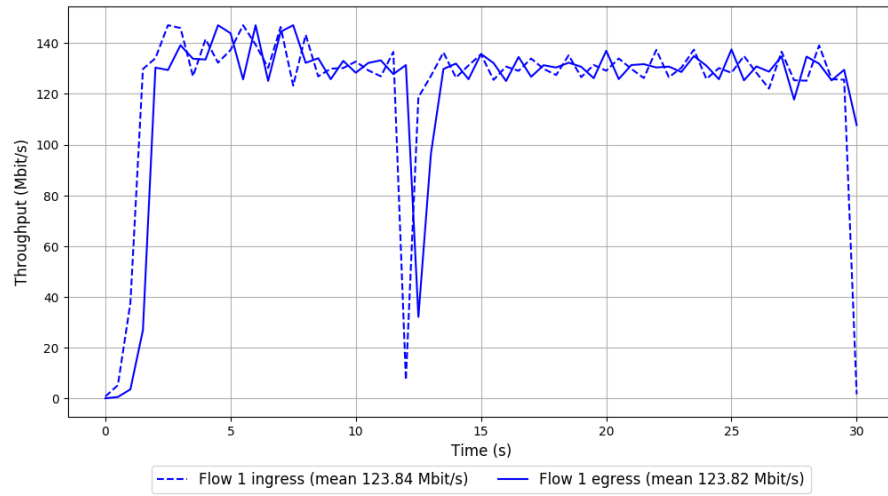


Run 10: Statistics of TCP BBR

Start at: 2018-07-04 01:30:29
End at: 2018-07-04 01:30:59
Local clock offset: 0.013 ms
Remote clock offset: -1.037 ms

Below is generated by plot.py at 2018-07-04 01:46:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.82 Mbit/s
95th percentile per-packet one-way delay: 91.171 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 123.82 Mbit/s
95th percentile per-packet one-way delay: 91.171 ms
Loss rate: 0.60%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-03 22:13:17

End at: 2018-07-03 22:13:47

Local clock offset: -0.082 ms

Remote clock offset: 0.363 ms

Below is generated by plot.py at 2018-07-04 01:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.41 Mbit/s

95th percentile per-packet one-way delay: 97.117 ms

Loss rate: 0.52%

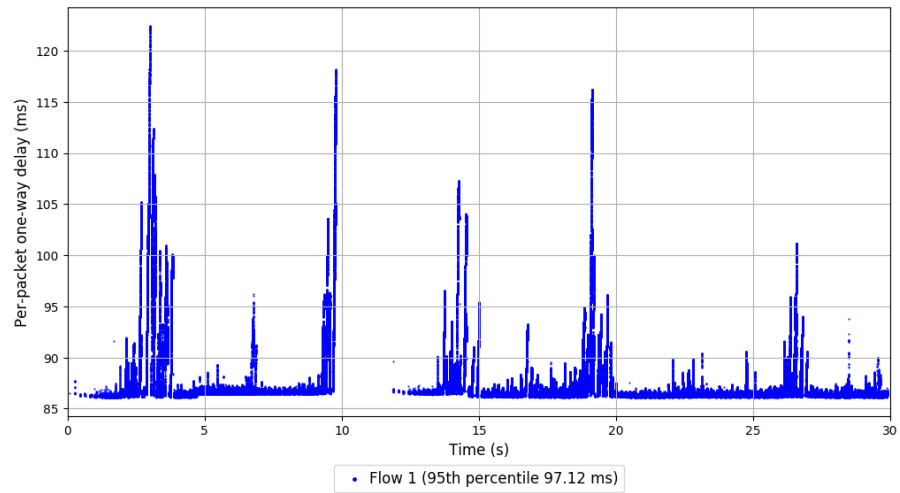
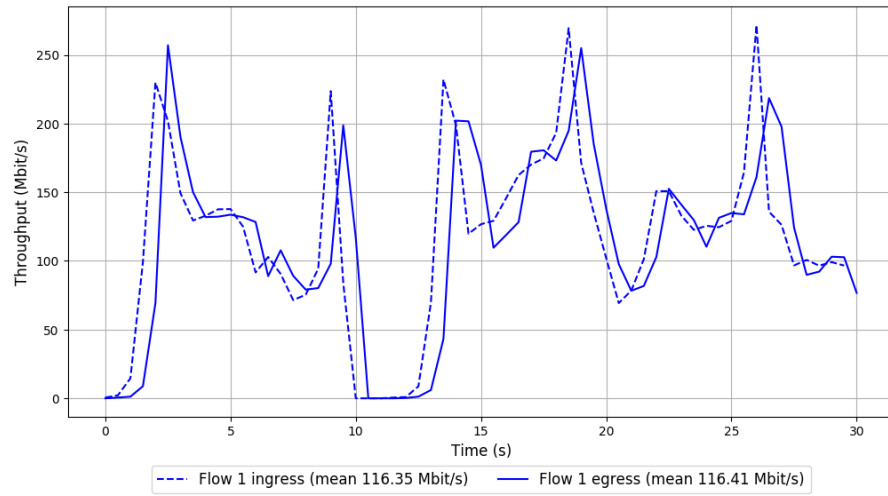
-- Flow 1:

Average throughput: 116.41 Mbit/s

95th percentile per-packet one-way delay: 97.117 ms

Loss rate: 0.52%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-03 22:34:55

End at: 2018-07-03 22:35:25

Local clock offset: -0.266 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2018-07-04 01:48:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.75 Mbit/s

95th percentile per-packet one-way delay: 93.498 ms

Loss rate: 0.76%

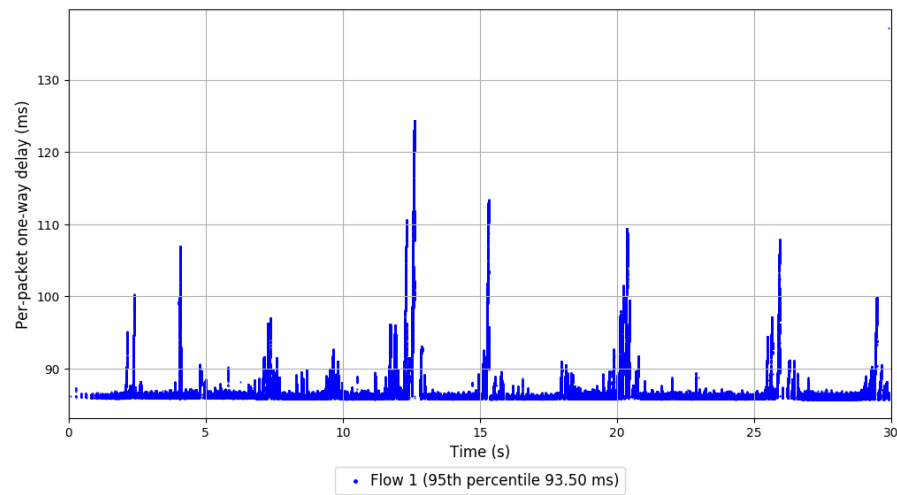
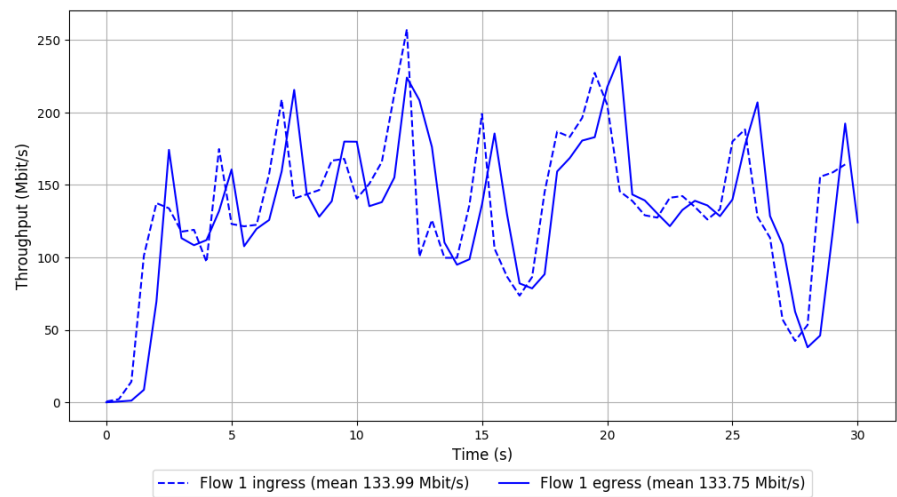
-- Flow 1:

Average throughput: 133.75 Mbit/s

95th percentile per-packet one-way delay: 93.498 ms

Loss rate: 0.76%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-03 22:56:34

End at: 2018-07-03 22:57:04

Local clock offset: 0.137 ms

Remote clock offset: 0.674 ms

Below is generated by plot.py at 2018-07-04 01:48:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.33 Mbit/s

95th percentile per-packet one-way delay: 90.948 ms

Loss rate: 0.41%

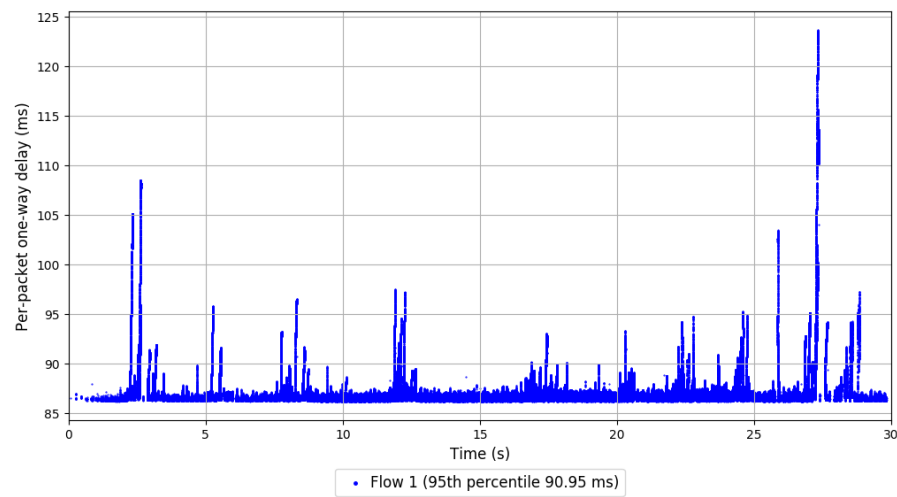
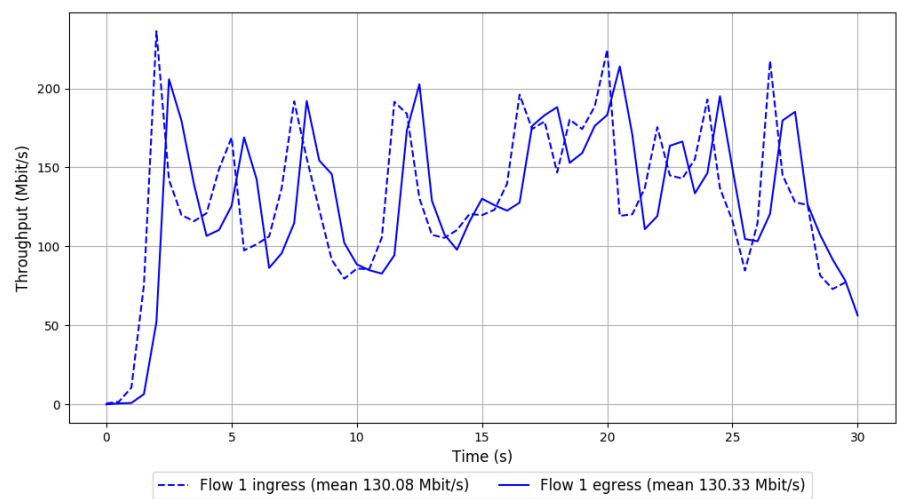
-- Flow 1:

Average throughput: 130.33 Mbit/s

95th percentile per-packet one-way delay: 90.948 ms

Loss rate: 0.41%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-03 23:18:22

End at: 2018-07-03 23:18:52

Local clock offset: -0.096 ms

Remote clock offset: 0.76 ms

Below is generated by plot.py at 2018-07-04 01:48:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.82 Mbit/s

95th percentile per-packet one-way delay: 89.605 ms

Loss rate: 0.51%

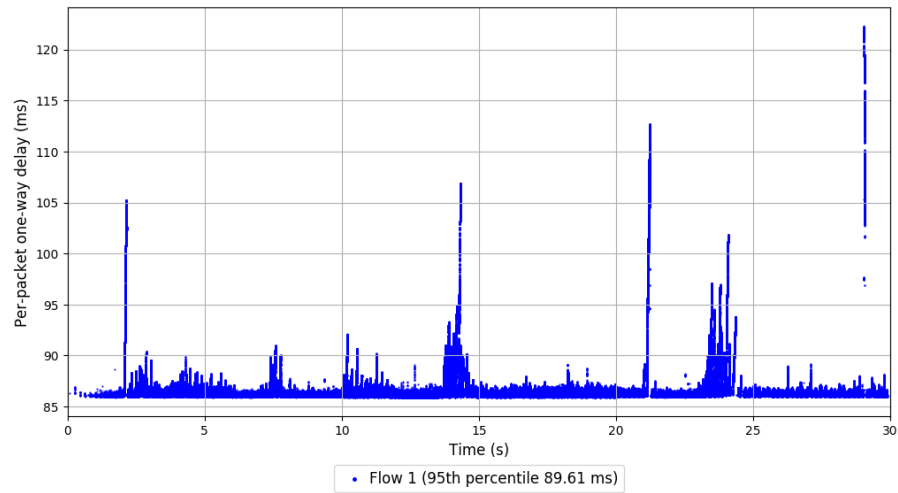
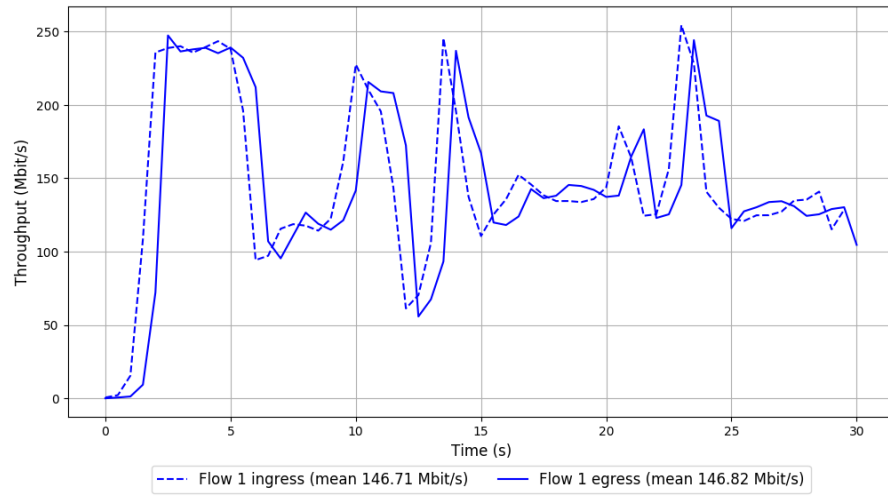
-- Flow 1:

Average throughput: 146.82 Mbit/s

95th percentile per-packet one-way delay: 89.605 ms

Loss rate: 0.51%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-03 23:40:14

End at: 2018-07-03 23:40:44

Local clock offset: 0.078 ms

Remote clock offset: 0.893 ms

Below is generated by plot.py at 2018-07-04 01:48:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.03 Mbit/s

95th percentile per-packet one-way delay: 91.891 ms

Loss rate: 0.62%

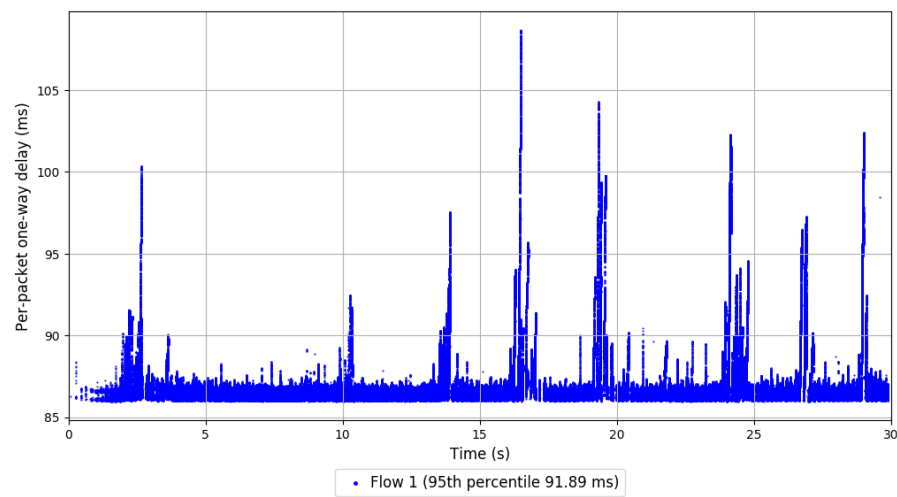
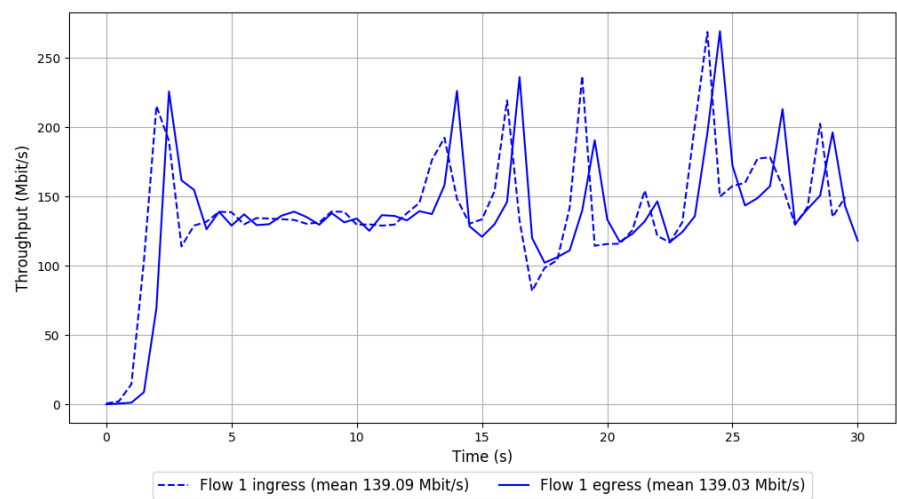
-- Flow 1:

Average throughput: 139.03 Mbit/s

95th percentile per-packet one-way delay: 91.891 ms

Loss rate: 0.62%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-04 00:01:46

End at: 2018-07-04 00:02:16

Local clock offset: -0.082 ms

Remote clock offset: 1.035 ms

Below is generated by plot.py at 2018-07-04 01:48:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.00 Mbit/s

95th percentile per-packet one-way delay: 91.021 ms

Loss rate: 1.24%

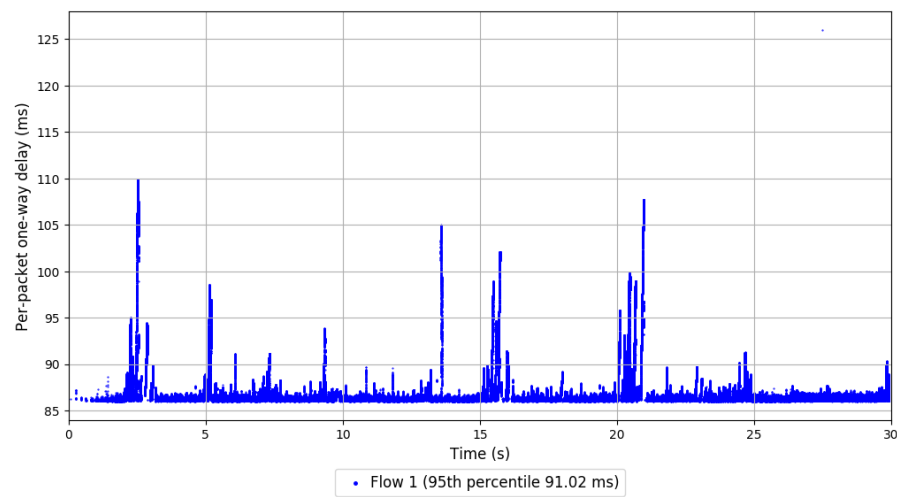
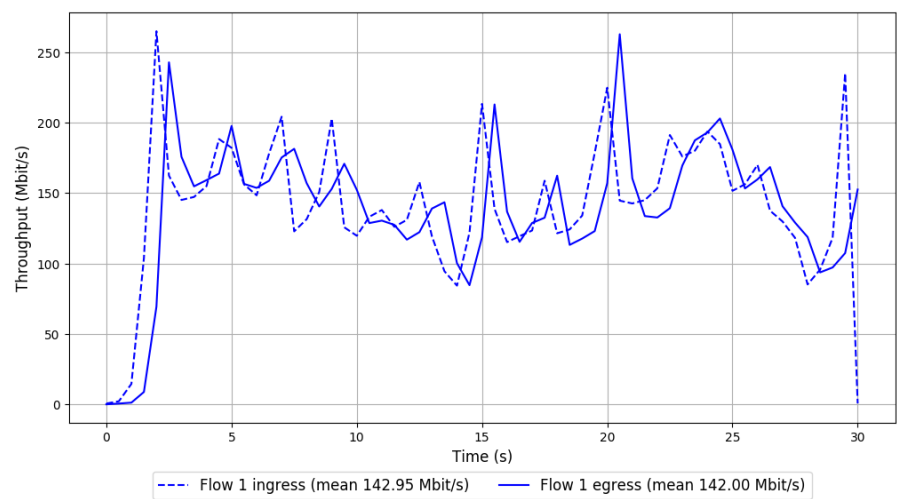
-- Flow 1:

Average throughput: 142.00 Mbit/s

95th percentile per-packet one-way delay: 91.021 ms

Loss rate: 1.24%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-04 00:23:37

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

Local clock offset: -0.109 ms

Remote clock offset: 1.216 ms

Below is generated by plot.py at 2018-07-04 01:50:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.27 Mbit/s

95th percentile per-packet one-way delay: 91.539 ms

Loss rate: 0.45%

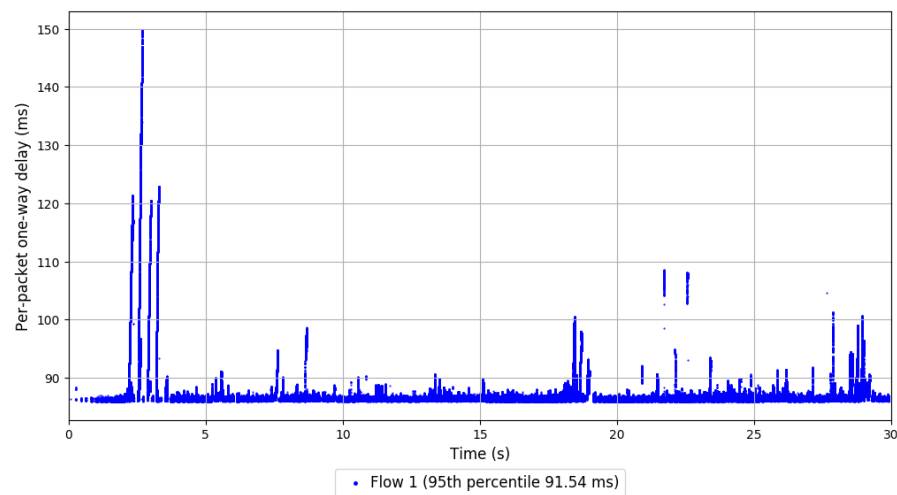
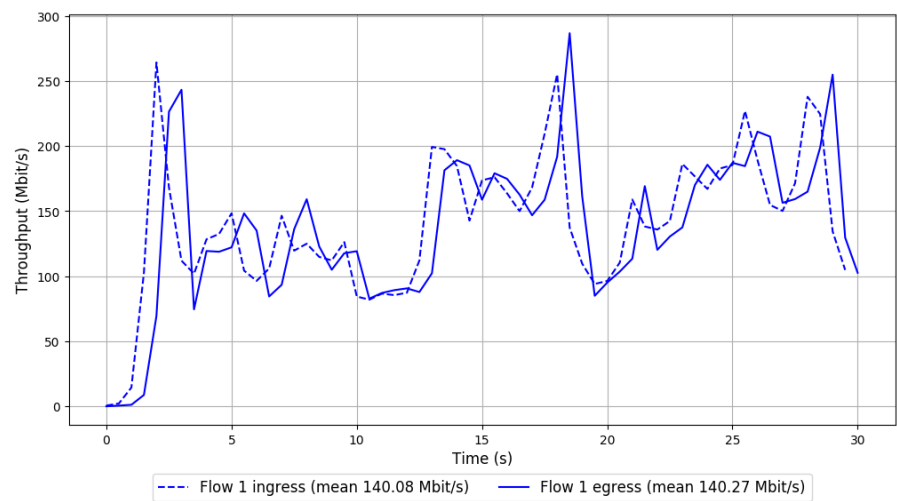
-- Flow 1:

Average throughput: 140.27 Mbit/s

95th percentile per-packet one-way delay: 91.539 ms

Loss rate: 0.45%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-04 00:45:31

End at: 2018-07-04 00:46:01

Local clock offset: 0.221 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-07-04 01:50:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.03 Mbit/s

95th percentile per-packet one-way delay: 90.436 ms

Loss rate: 0.76%

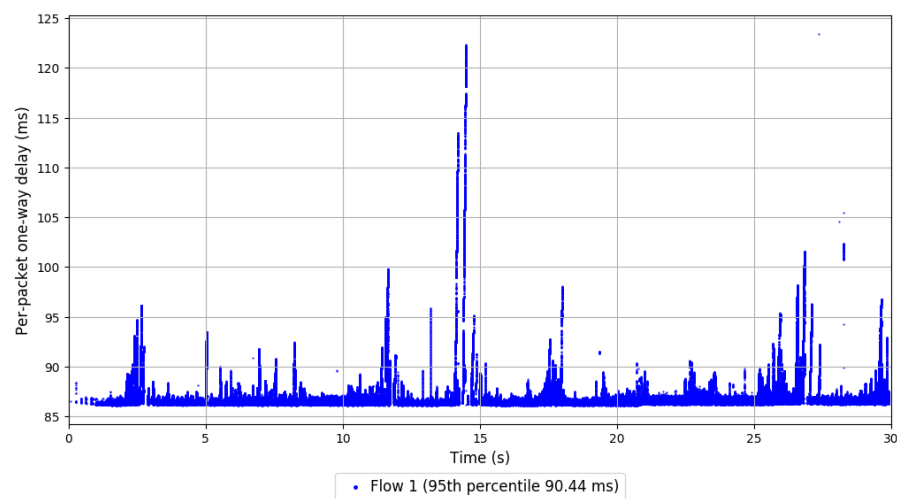
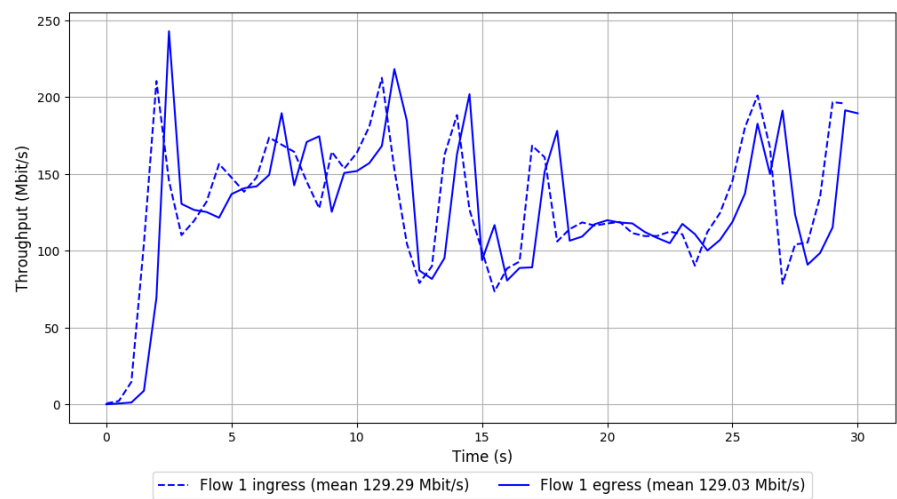
-- Flow 1:

Average throughput: 129.03 Mbit/s

95th percentile per-packet one-way delay: 90.436 ms

Loss rate: 0.76%

Run 8: Report of Copa — Data Link

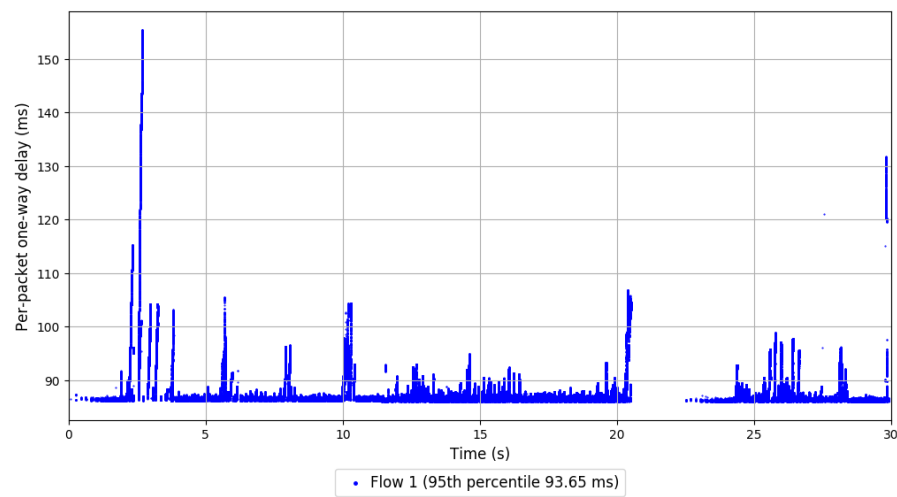
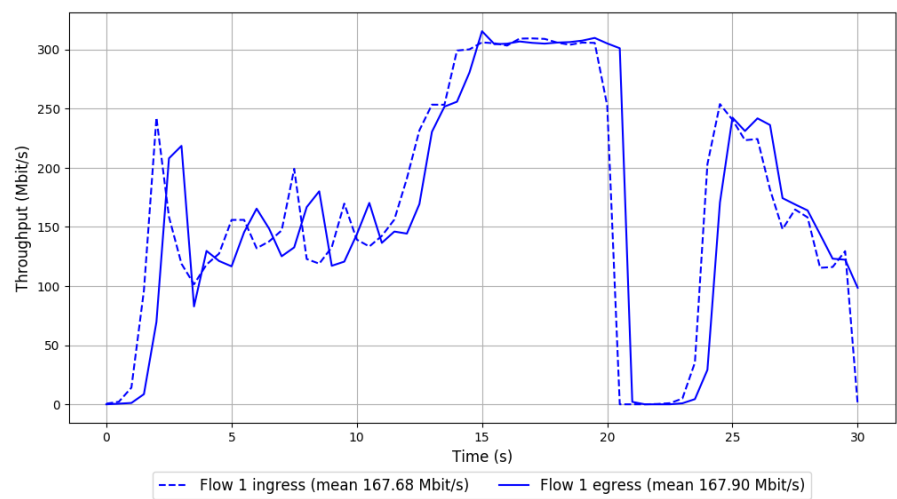


Run 9: Statistics of Copa

Start at: 2018-07-04 01:07:11
End at: 2018-07-04 01:07:41
Local clock offset: 0.021 ms
Remote clock offset: -0.593 ms

Below is generated by plot.py at 2018-07-04 01:53:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.90 Mbit/s
95th percentile per-packet one-way delay: 93.649 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 167.90 Mbit/s
95th percentile per-packet one-way delay: 93.649 ms
Loss rate: 0.48%

Run 9: Report of Copa — Data Link

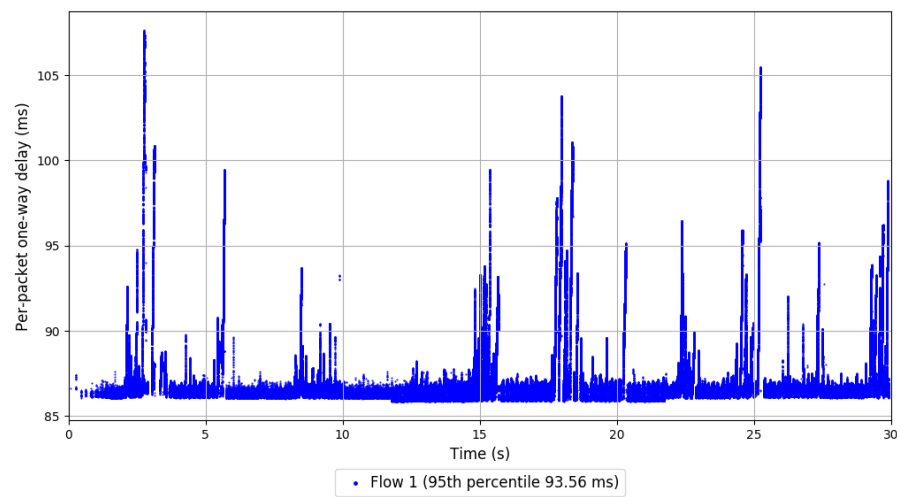
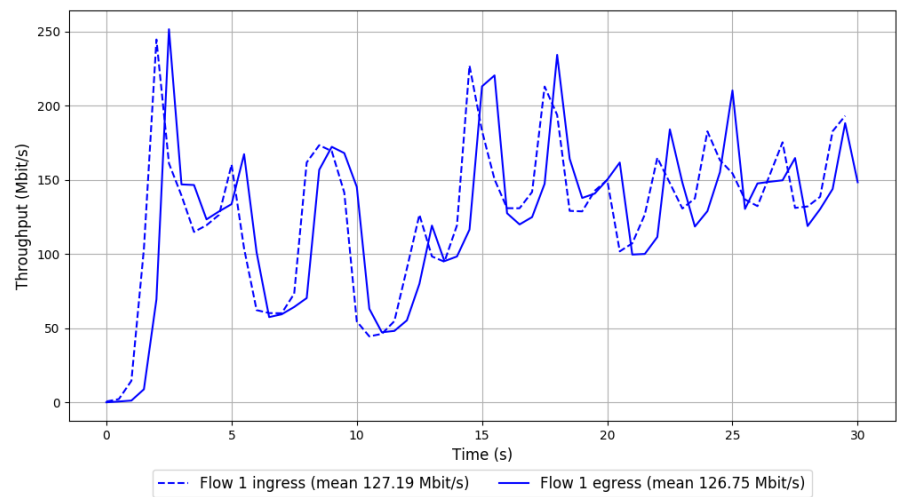


Run 10: Statistics of Copa

Start at: 2018-07-04 01:29:10
End at: 2018-07-04 01:29:40
Local clock offset: -0.025 ms
Remote clock offset: -0.935 ms

Below is generated by plot.py at 2018-07-04 01:53:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.75 Mbit/s
95th percentile per-packet one-way delay: 93.561 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 126.75 Mbit/s
95th percentile per-packet one-way delay: 93.561 ms
Loss rate: 0.93%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-03 22:16:55

End at: 2018-07-03 22:17:25

Local clock offset: -0.131 ms

Remote clock offset: 0.407 ms

Below is generated by plot.py at 2018-07-04 01:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: 96.567 ms

Loss rate: 0.53%

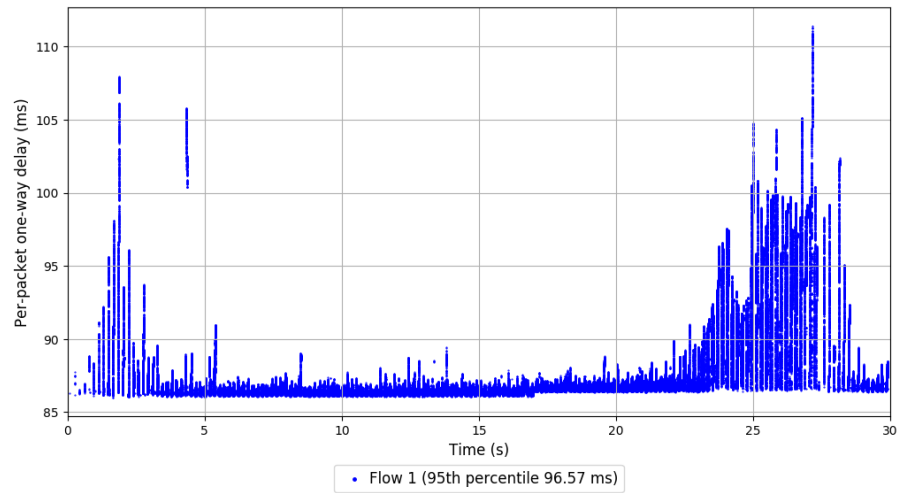
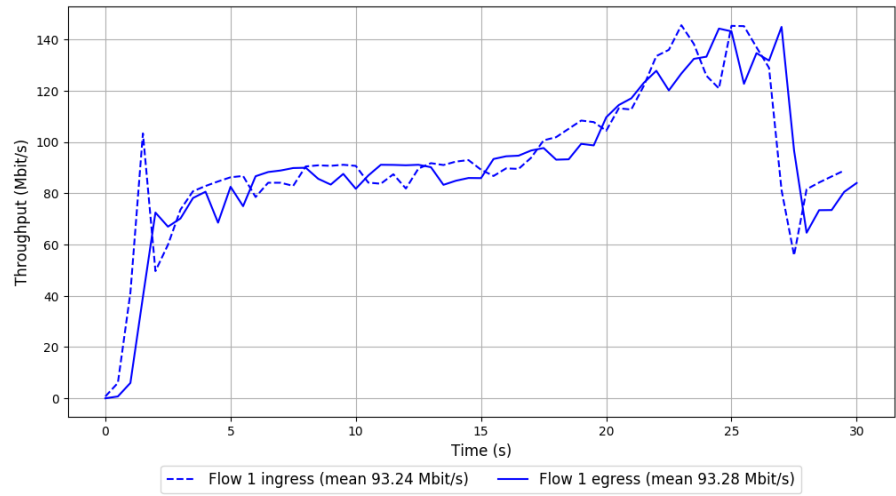
-- Flow 1:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: 96.567 ms

Loss rate: 0.53%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-03 22:38:34

End at: 2018-07-03 22:39:04

Local clock offset: 0.222 ms

Remote clock offset: 0.513 ms

Below is generated by plot.py at 2018-07-04 01:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 94.954 ms

Loss rate: 0.65%

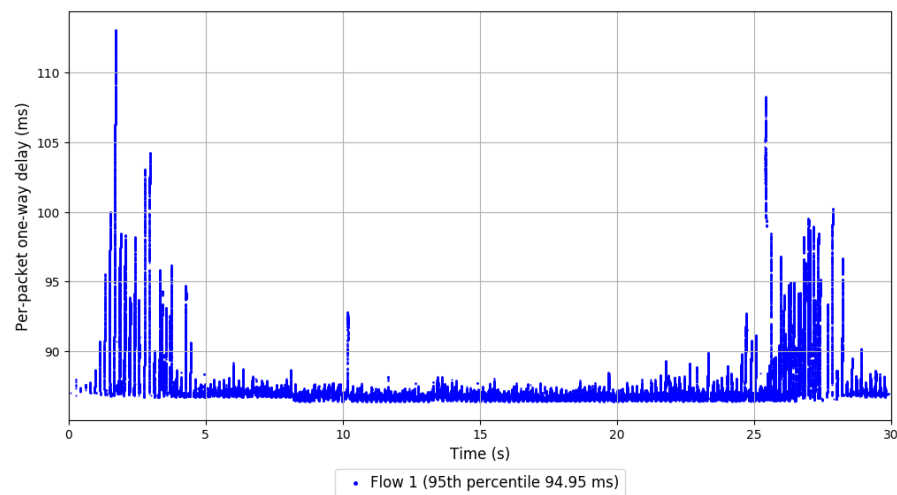
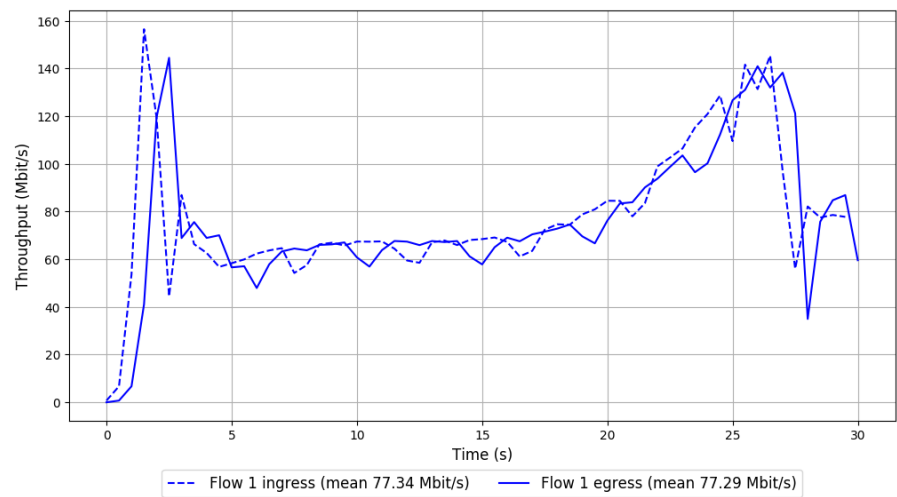
-- Flow 1:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 94.954 ms

Loss rate: 0.65%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-03 23:00:12

End at: 2018-07-03 23:00:42

Local clock offset: 0.052 ms

Remote clock offset: 0.694 ms

Below is generated by plot.py at 2018-07-04 01:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.53 Mbit/s

95th percentile per-packet one-way delay: 97.597 ms

Loss rate: 0.81%

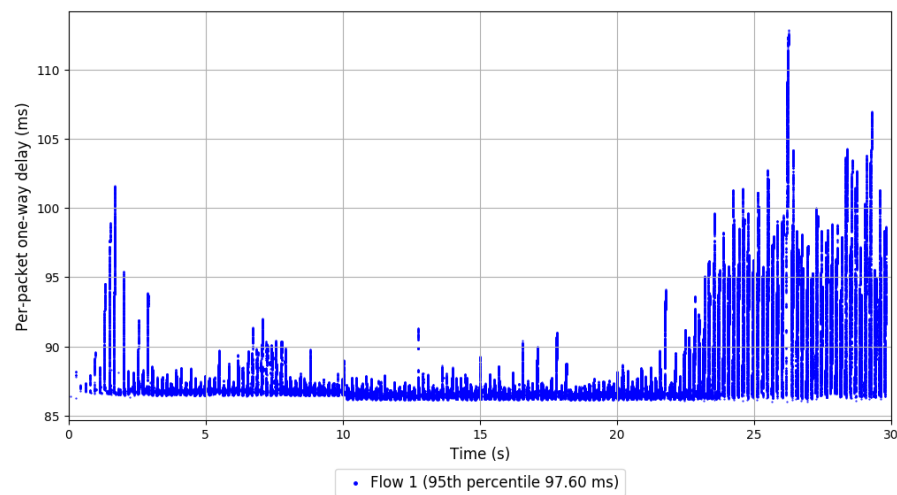
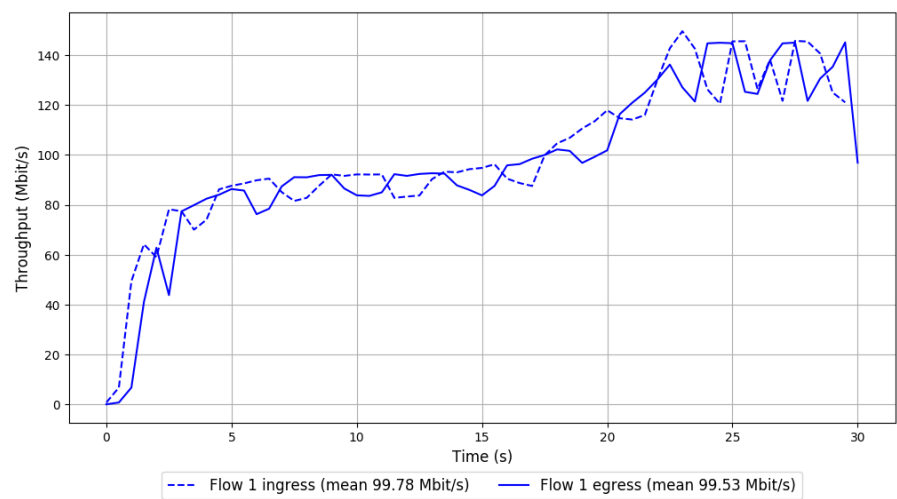
-- Flow 1:

Average throughput: 99.53 Mbit/s

95th percentile per-packet one-way delay: 97.597 ms

Loss rate: 0.81%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-03 23:22:02

End at: 2018-07-03 23:22:32

Local clock offset: 0.095 ms

Remote clock offset: 0.777 ms

Below is generated by plot.py at 2018-07-04 01:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.75 Mbit/s

95th percentile per-packet one-way delay: 96.816 ms

Loss rate: 0.62%

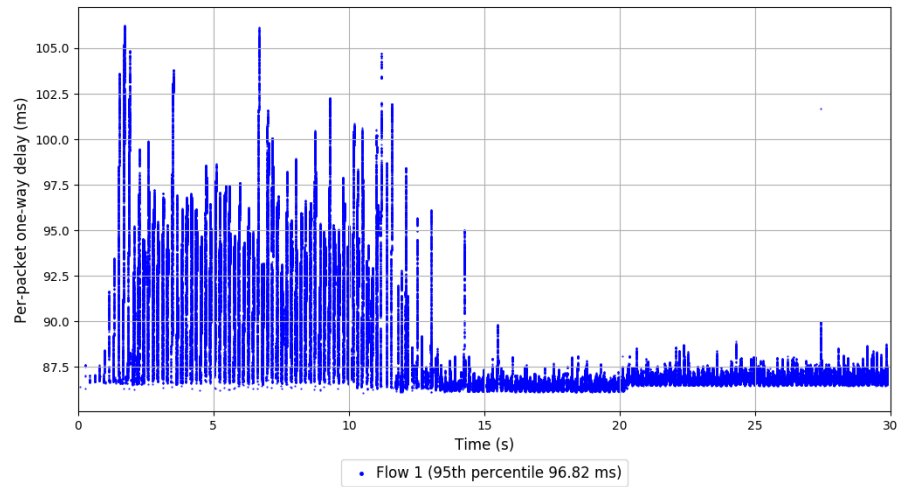
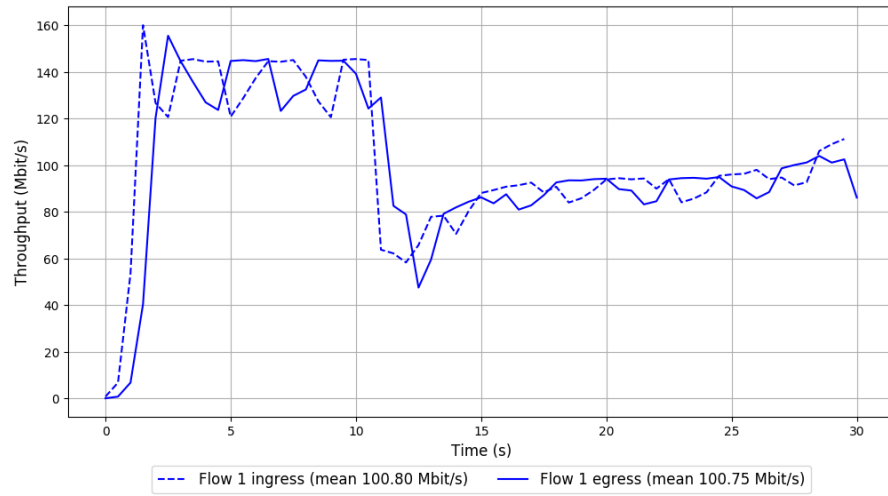
-- Flow 1:

Average throughput: 100.75 Mbit/s

95th percentile per-packet one-way delay: 96.816 ms

Loss rate: 0.62%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-03 23:43:53

End at: 2018-07-03 23:44:23

Local clock offset: 0.231 ms

Remote clock offset: 0.964 ms

Below is generated by plot.py at 2018-07-04 01:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.72 Mbit/s

95th percentile per-packet one-way delay: 108.282 ms

Loss rate: 0.51%

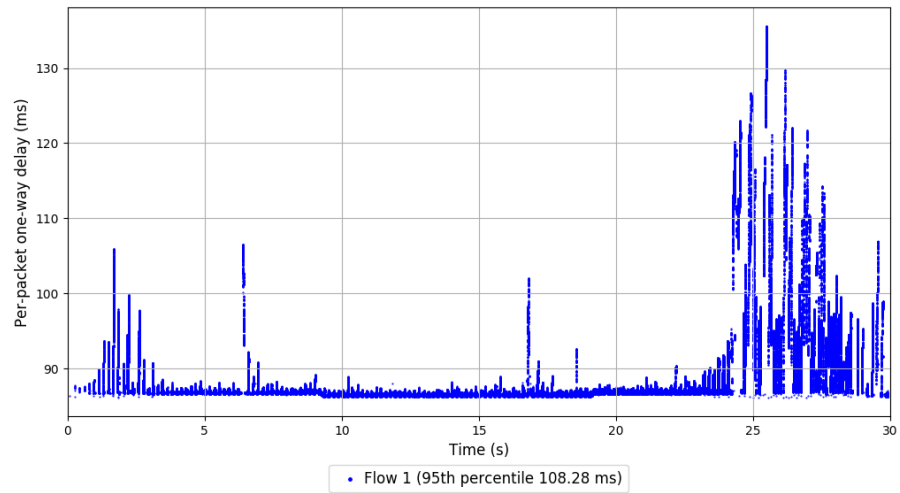
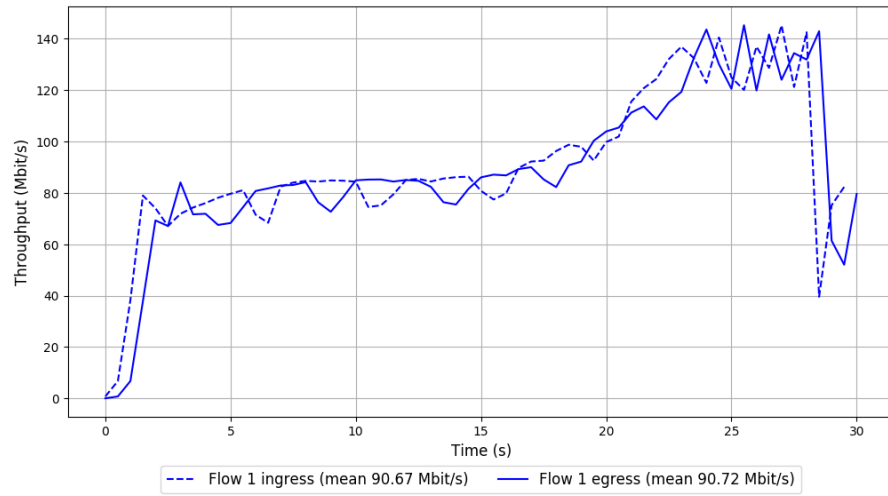
-- Flow 1:

Average throughput: 90.72 Mbit/s

95th percentile per-packet one-way delay: 108.282 ms

Loss rate: 0.51%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-04 00:05:25

End at: 2018-07-04 00:05:55

Local clock offset: -0.007 ms

Remote clock offset: 1.064 ms

Below is generated by plot.py at 2018-07-04 01:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.48 Mbit/s

95th percentile per-packet one-way delay: 95.627 ms

Loss rate: 0.72%

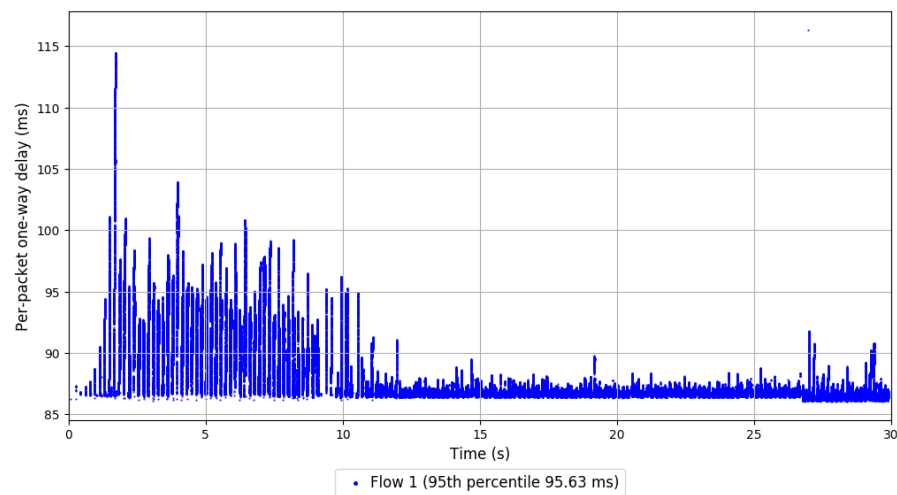
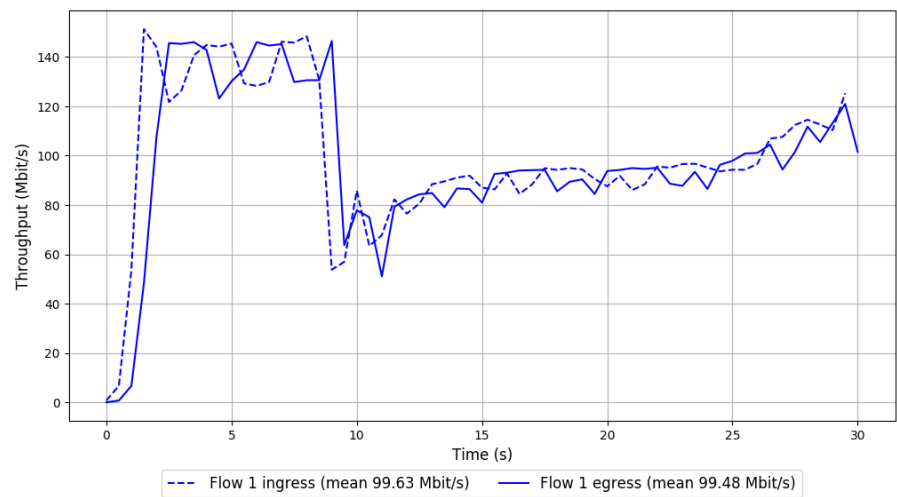
-- Flow 1:

Average throughput: 99.48 Mbit/s

95th percentile per-packet one-way delay: 95.627 ms

Loss rate: 0.72%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-04 00:27:17

End at: 2018-07-04 00:27:47

Local clock offset: -0.009 ms

Remote clock offset: 1.157 ms

Below is generated by plot.py at 2018-07-04 01:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.57 Mbit/s

95th percentile per-packet one-way delay: 97.109 ms

Loss rate: 0.58%

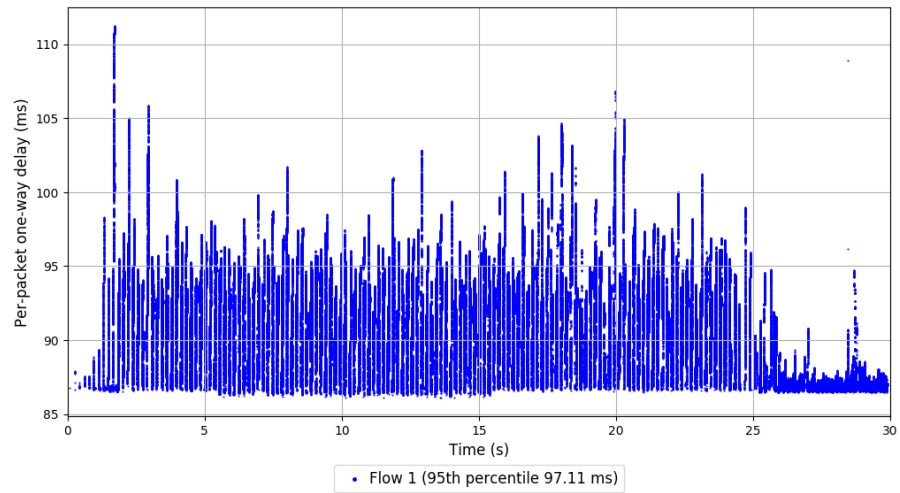
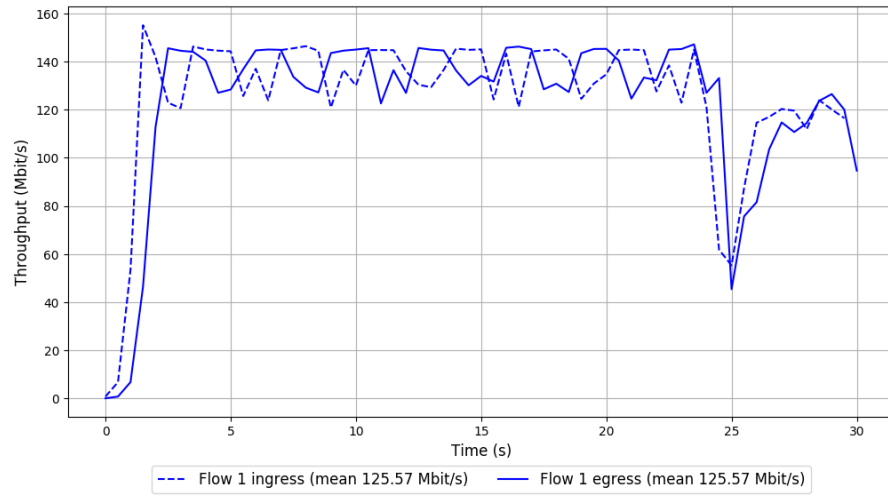
-- Flow 1:

Average throughput: 125.57 Mbit/s

95th percentile per-packet one-way delay: 97.109 ms

Loss rate: 0.58%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-04 00:49:10

End at: 2018-07-04 00:49:40

Local clock offset: -0.051 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-04 01:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.21 Mbit/s

95th percentile per-packet one-way delay: 97.842 ms

Loss rate: 0.69%

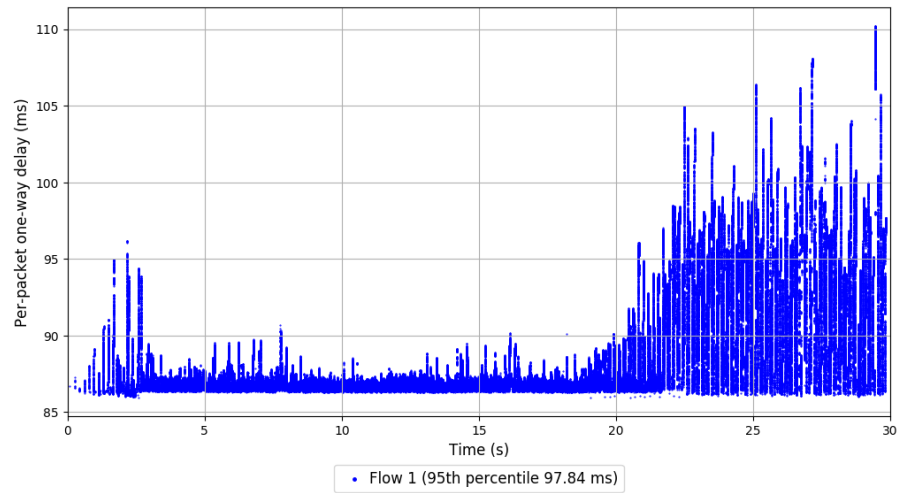
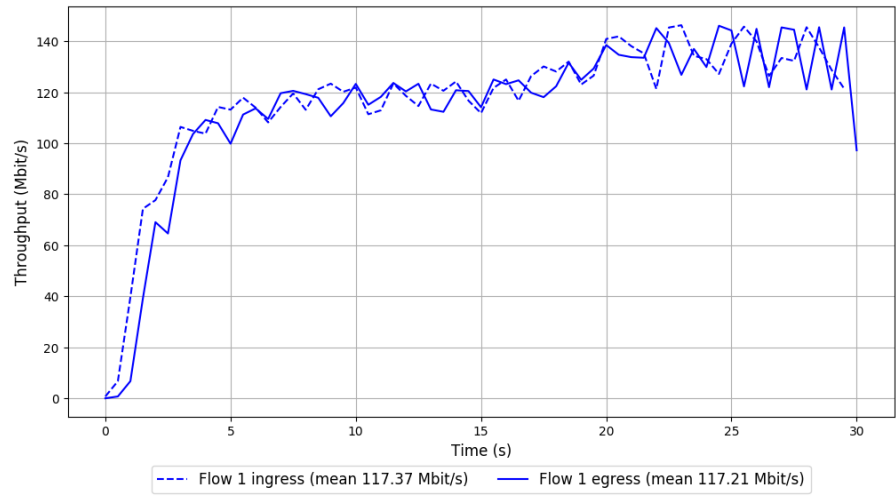
-- Flow 1:

Average throughput: 117.21 Mbit/s

95th percentile per-packet one-way delay: 97.842 ms

Loss rate: 0.69%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-04 01:10:52

End at: 2018-07-04 01:11:23

Local clock offset: 0.273 ms

Remote clock offset: -0.65 ms

Below is generated by plot.py at 2018-07-04 01:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.98 Mbit/s

95th percentile per-packet one-way delay: 94.521 ms

Loss rate: 0.88%

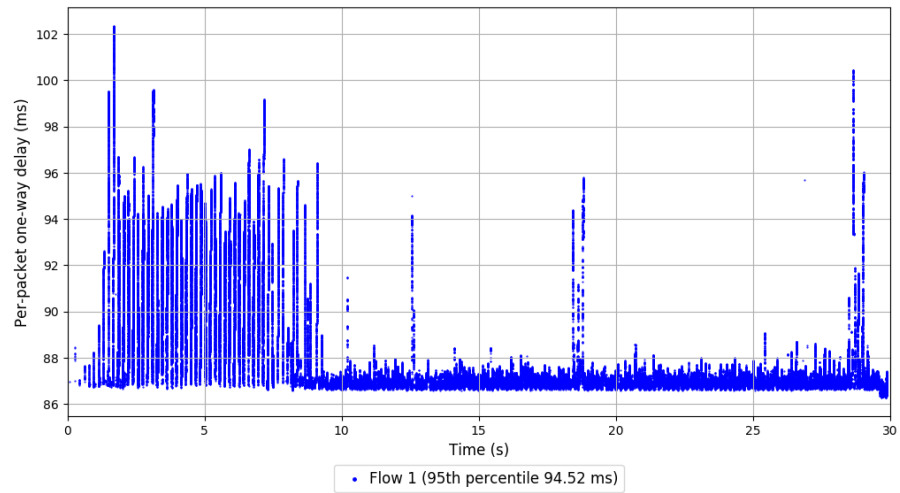
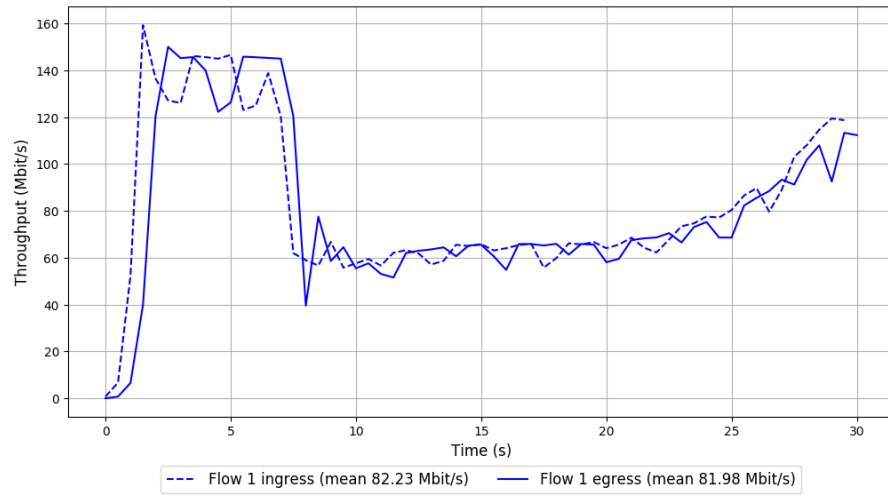
-- Flow 1:

Average throughput: 81.98 Mbit/s

95th percentile per-packet one-way delay: 94.521 ms

Loss rate: 0.88%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-04 01:32:49

End at: 2018-07-04 01:33:19

Local clock offset: 0.18 ms

Remote clock offset: -1.039 ms

Below is generated by plot.py at 2018-07-04 01:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.70 Mbit/s

95th percentile per-packet one-way delay: 101.134 ms

Loss rate: 0.61%

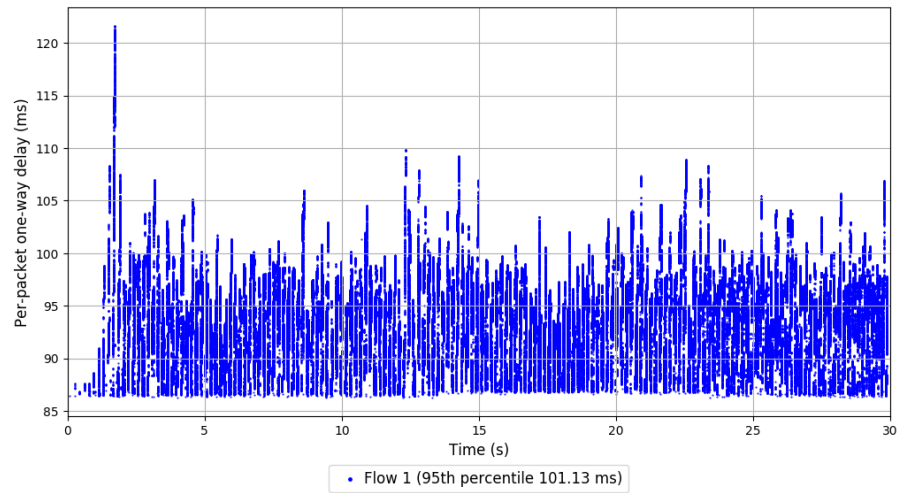
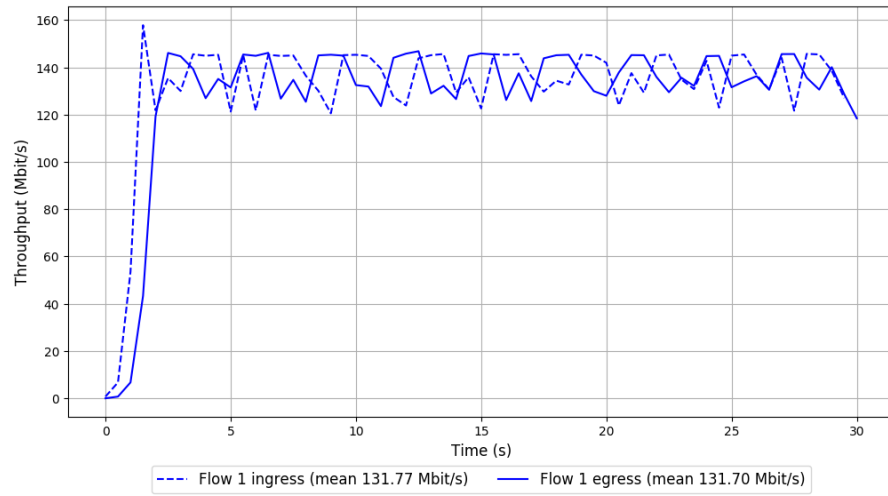
-- Flow 1:

Average throughput: 131.70 Mbit/s

95th percentile per-packet one-way delay: 101.134 ms

Loss rate: 0.61%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-03 21:56:34

End at: 2018-07-03 21:57:04

Local clock offset: -0.087 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2018-07-04 02:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 684.84 Mbit/s

95th percentile per-packet one-way delay: 317.253 ms

Loss rate: 3.28%

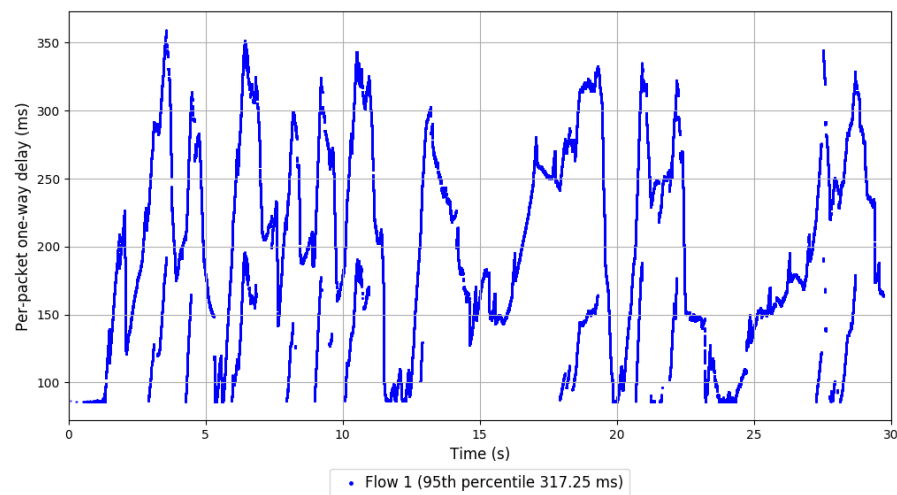
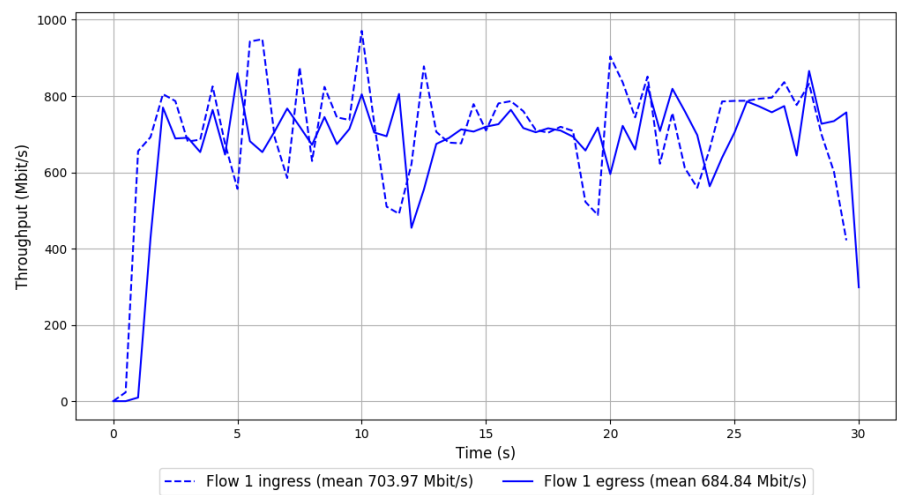
-- Flow 1:

Average throughput: 684.84 Mbit/s

95th percentile per-packet one-way delay: 317.253 ms

Loss rate: 3.28%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-03 22:18:07

End at: 2018-07-03 22:18:37

Local clock offset: -0.223 ms

Remote clock offset: 0.401 ms

Below is generated by plot.py at 2018-07-04 02:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 611.20 Mbit/s

95th percentile per-packet one-way delay: 270.710 ms

Loss rate: 0.86%

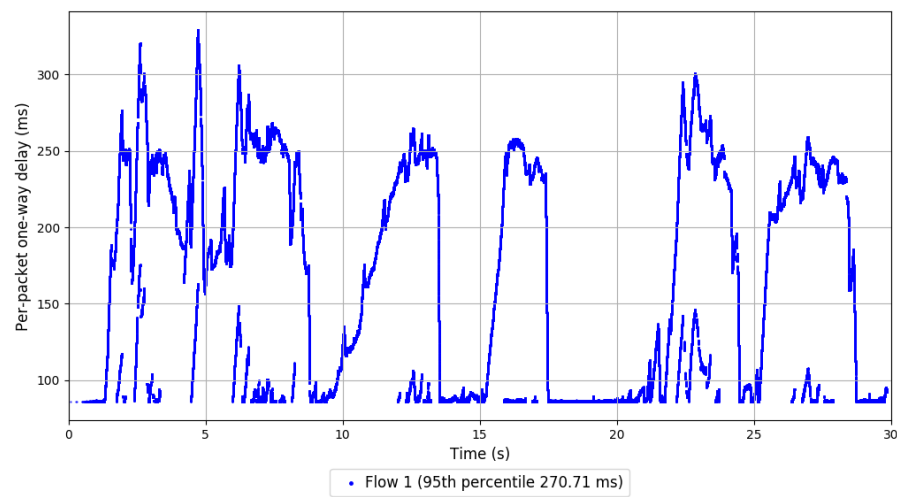
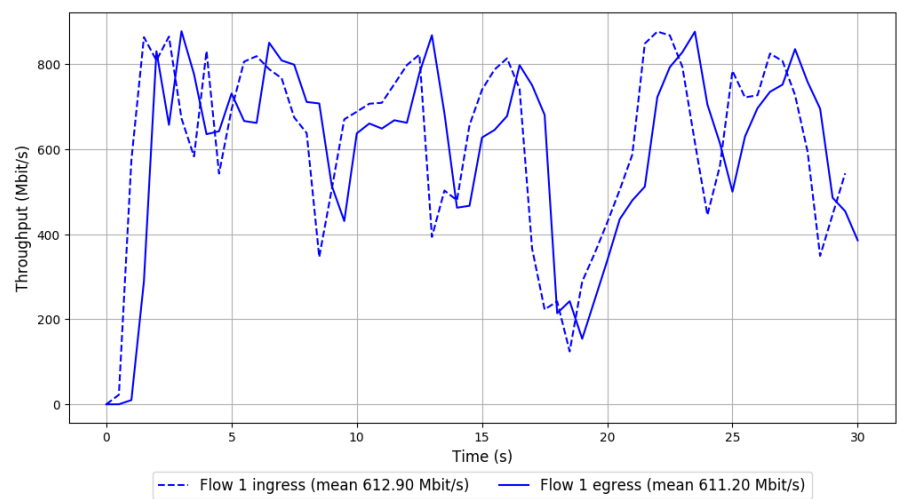
-- Flow 1:

Average throughput: 611.20 Mbit/s

95th percentile per-packet one-way delay: 270.710 ms

Loss rate: 0.86%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-03 22:39:45

End at: 2018-07-03 22:40:15

Local clock offset: -0.03 ms

Remote clock offset: 0.515 ms

Below is generated by plot.py at 2018-07-04 02:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 634.40 Mbit/s

95th percentile per-packet one-way delay: 320.047 ms

Loss rate: 2.84%

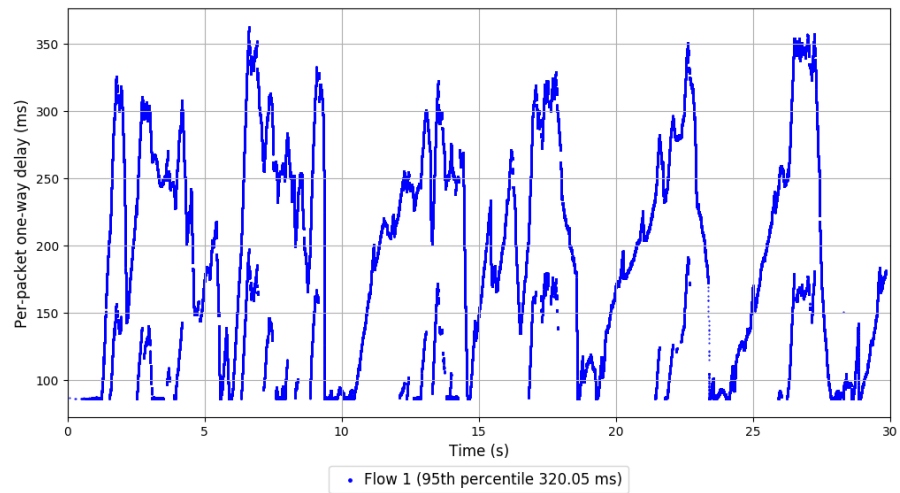
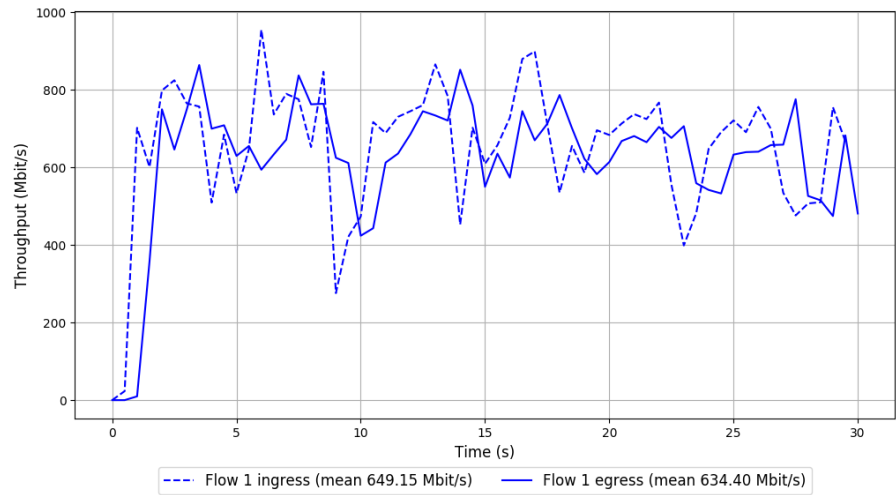
-- Flow 1:

Average throughput: 634.40 Mbit/s

95th percentile per-packet one-way delay: 320.047 ms

Loss rate: 2.84%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-03 23:01:24

End at: 2018-07-03 23:01:54

Local clock offset: 0.138 ms

Remote clock offset: 0.673 ms

Below is generated by plot.py at 2018-07-04 02:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.36 Mbit/s

95th percentile per-packet one-way delay: 324.855 ms

Loss rate: 3.26%

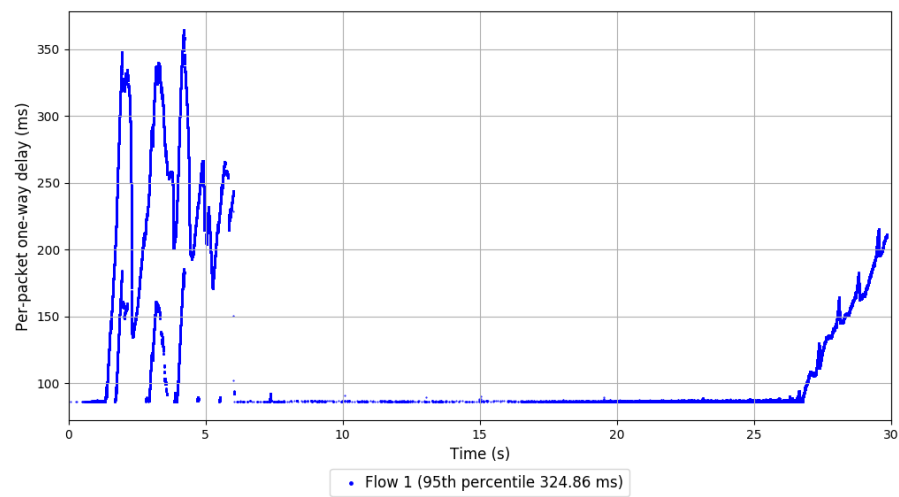
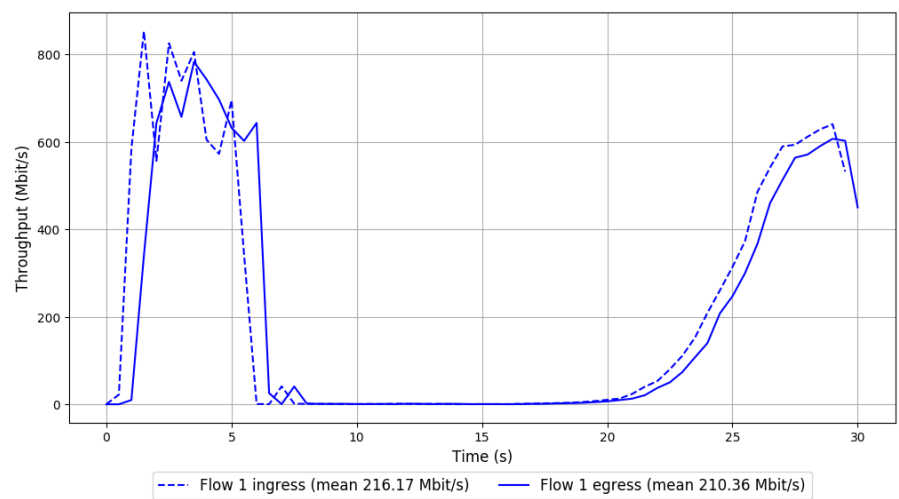
-- Flow 1:

Average throughput: 210.36 Mbit/s

95th percentile per-packet one-way delay: 324.855 ms

Loss rate: 3.26%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-03 23:23:14

End at: 2018-07-03 23:23:44

Local clock offset: 0.03 ms

Remote clock offset: 0.794 ms

Below is generated by plot.py at 2018-07-04 02:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 601.58 Mbit/s

95th percentile per-packet one-way delay: 283.009 ms

Loss rate: 1.87%

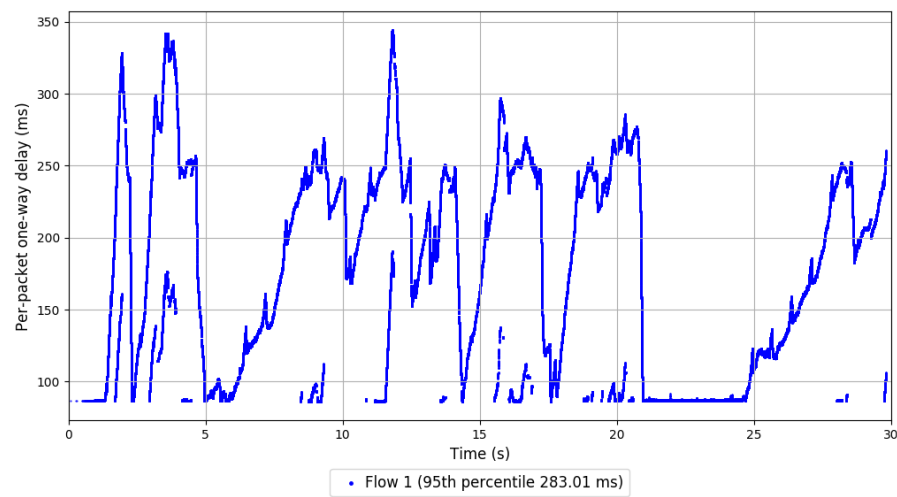
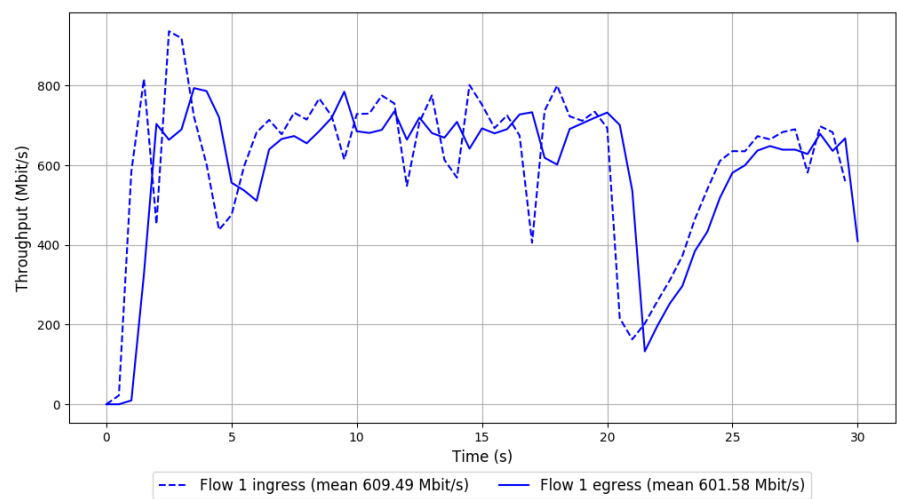
-- Flow 1:

Average throughput: 601.58 Mbit/s

95th percentile per-packet one-way delay: 283.009 ms

Loss rate: 1.87%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-03 23:45:05

End at: 2018-07-03 23:45:35

Local clock offset: -0.152 ms

Remote clock offset: 0.92 ms

Below is generated by plot.py at 2018-07-04 02:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 503.88 Mbit/s

95th percentile per-packet one-way delay: 260.484 ms

Loss rate: 3.71%

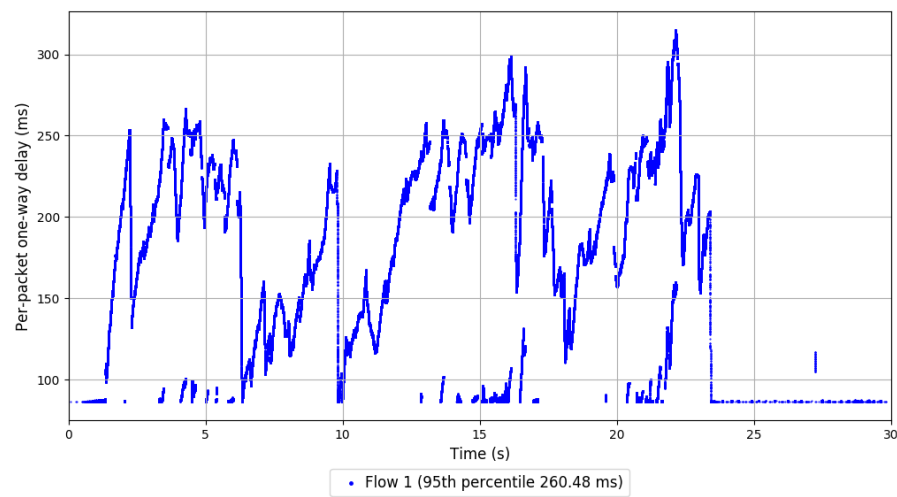
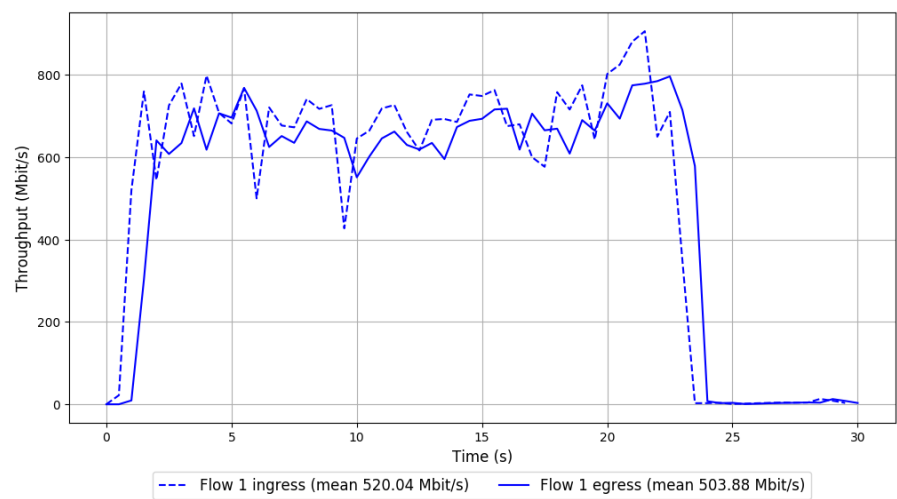
-- Flow 1:

Average throughput: 503.88 Mbit/s

95th percentile per-packet one-way delay: 260.484 ms

Loss rate: 3.71%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-04 00:06:37

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

Local clock offset: -0.163 ms

Remote clock offset: 1.133 ms

Below is generated by plot.py at 2018-07-04 02:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 581.37 Mbit/s

95th percentile per-packet one-way delay: 304.515 ms

Loss rate: 1.51%

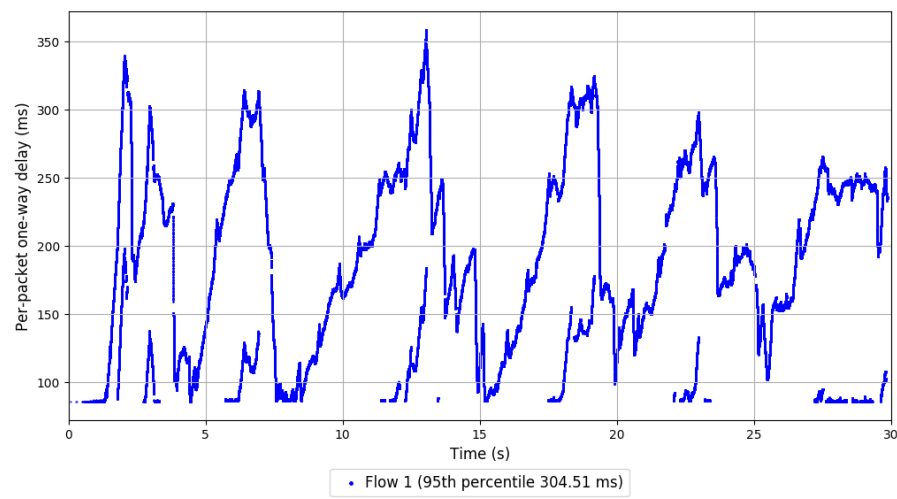
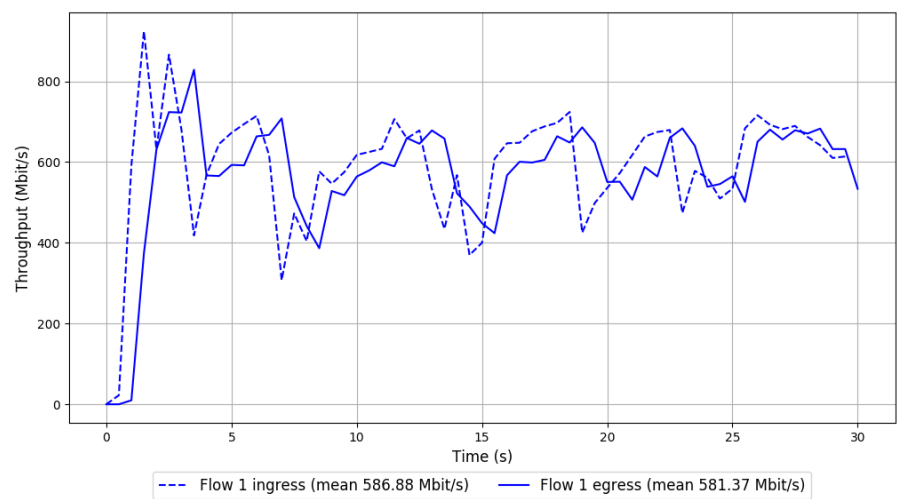
-- Flow 1:

Average throughput: 581.37 Mbit/s

95th percentile per-packet one-way delay: 304.515 ms

Loss rate: 1.51%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-04 00:28:30

End at: 2018-07-04 00:29:00

Local clock offset: 0.125 ms

Remote clock offset: 1.186 ms

Below is generated by plot.py at 2018-07-04 02:07:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 677.40 Mbit/s

95th percentile per-packet one-way delay: 314.262 ms

Loss rate: 2.02%

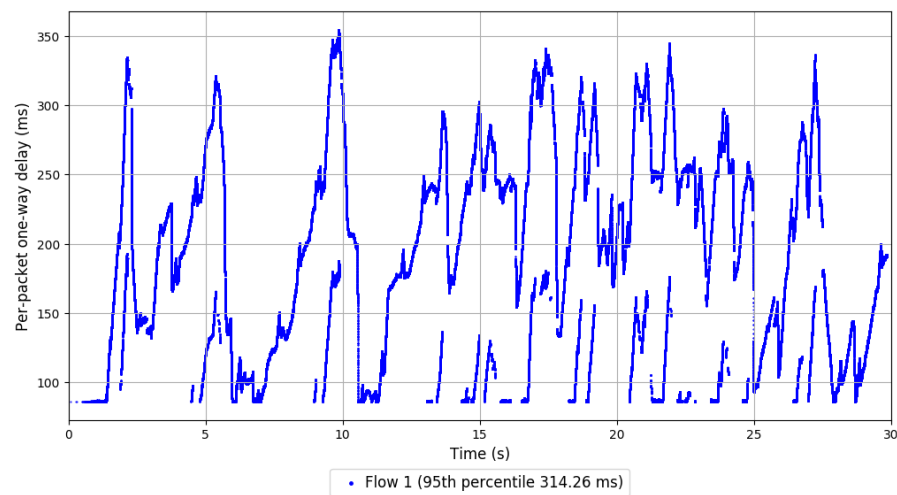
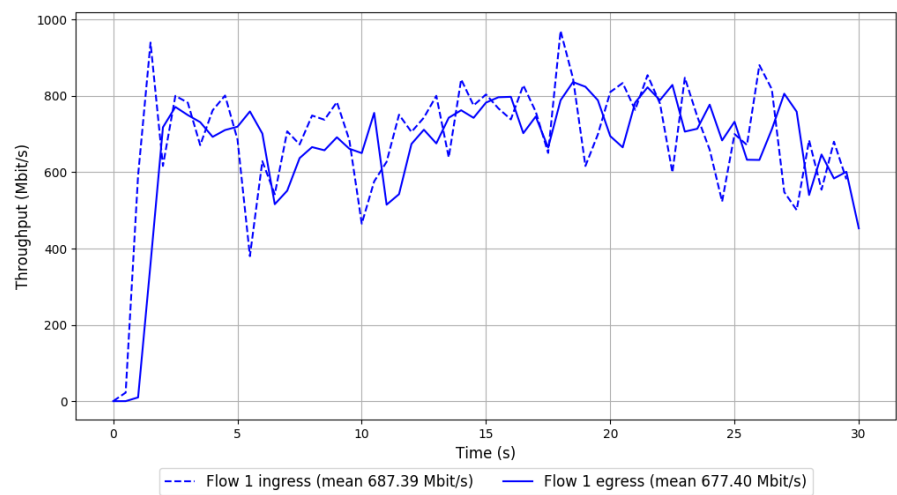
-- Flow 1:

Average throughput: 677.40 Mbit/s

95th percentile per-packet one-way delay: 314.262 ms

Loss rate: 2.02%

Run 8: Report of FillP — Data Link

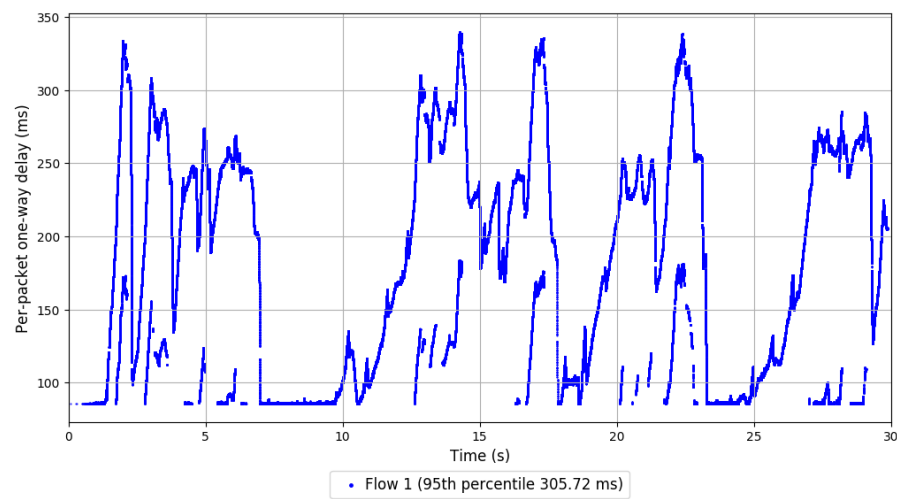
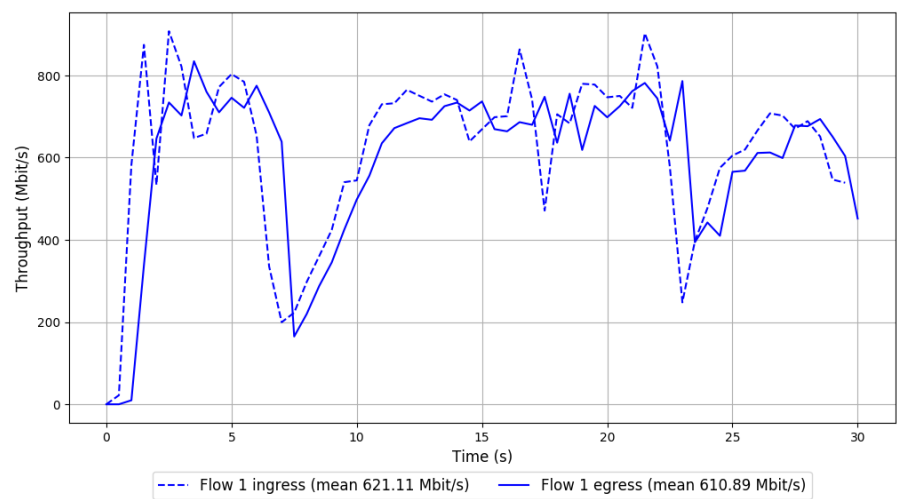


Run 9: Statistics of FillP

Start at: 2018-07-04 00:50:22
End at: 2018-07-04 00:50:52
Local clock offset: -0.167 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-04 02:09:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 610.89 Mbit/s
95th percentile per-packet one-way delay: 305.721 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 610.89 Mbit/s
95th percentile per-packet one-way delay: 305.721 ms
Loss rate: 2.21%

Run 9: Report of FillP — Data Link

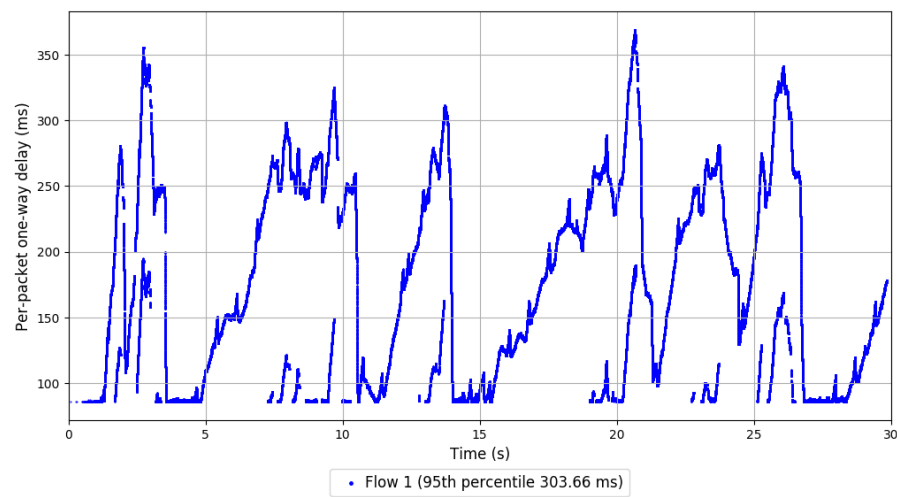
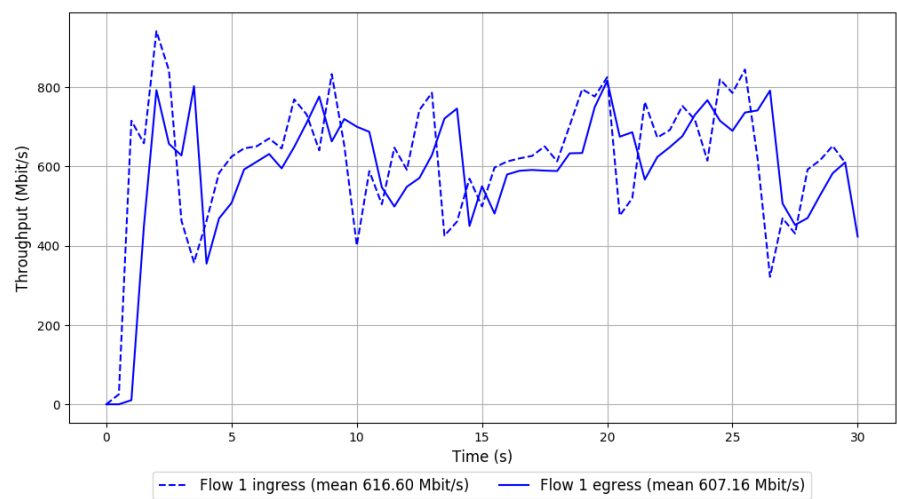


Run 10: Statistics of FillP

Start at: 2018-07-04 01:12:04
End at: 2018-07-04 01:12:34
Local clock offset: -0.066 ms
Remote clock offset: -0.659 ms

Below is generated by plot.py at 2018-07-04 02:16:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 607.16 Mbit/s
95th percentile per-packet one-way delay: 303.661 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 607.16 Mbit/s
95th percentile per-packet one-way delay: 303.661 ms
Loss rate: 2.10%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-03 22:00:49

End at: 2018-07-03 22:01:19

Local clock offset: 0.078 ms

Remote clock offset: 0.282 ms

Below is generated by plot.py at 2018-07-04 02:16:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.99 Mbit/s

95th percentile per-packet one-way delay: 330.584 ms

Loss rate: 3.09%

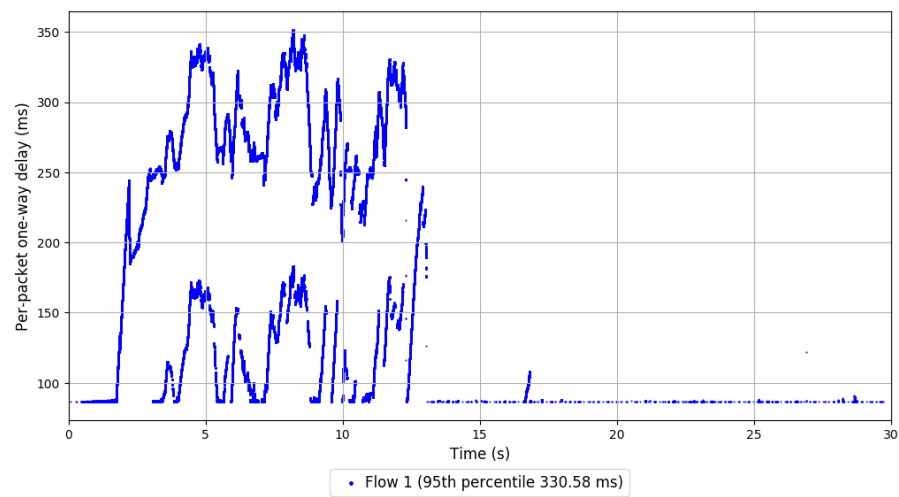
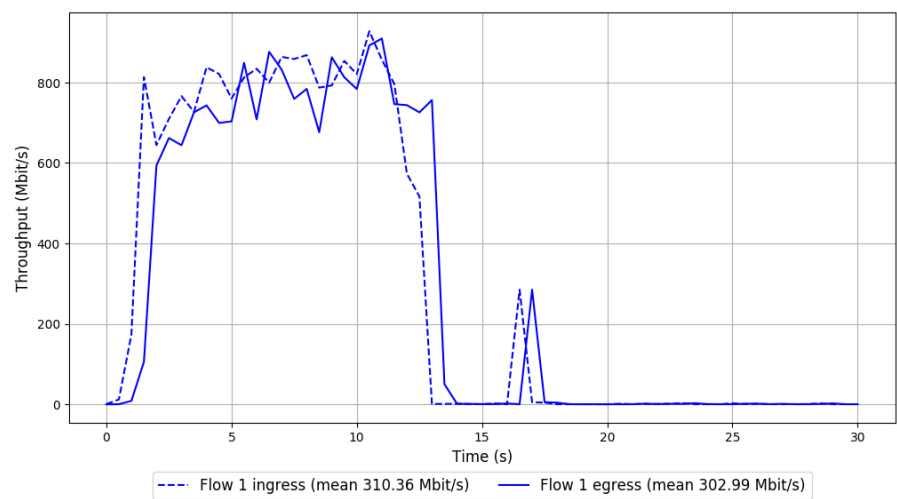
-- Flow 1:

Average throughput: 302.99 Mbit/s

95th percentile per-packet one-way delay: 330.584 ms

Loss rate: 3.09%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-03 22:22:16

End at: 2018-07-03 22:22:46

Local clock offset: -0.077 ms

Remote clock offset: 0.407 ms

Below is generated by plot.py at 2018-07-04 02:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 676.67 Mbit/s

95th percentile per-packet one-way delay: 345.119 ms

Loss rate: 15.18%

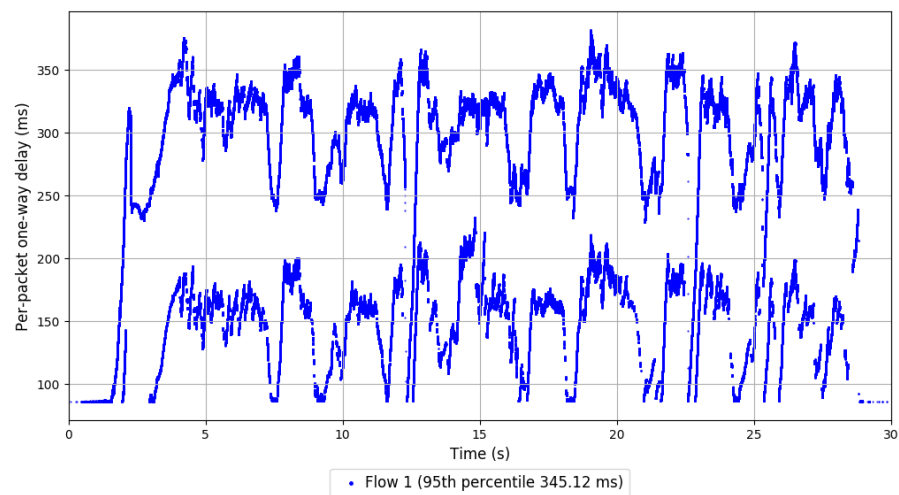
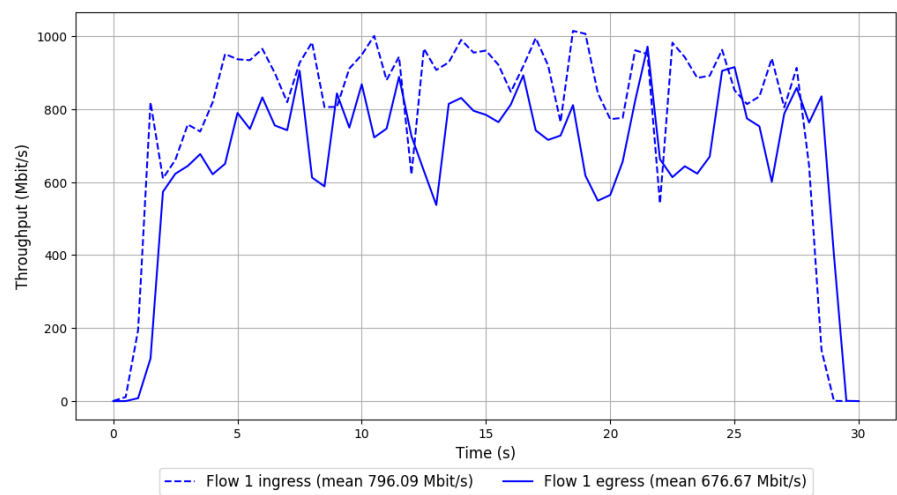
-- Flow 1:

Average throughput: 676.67 Mbit/s

95th percentile per-packet one-way delay: 345.119 ms

Loss rate: 15.18%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-03 22:43:57

End at: 2018-07-03 22:44:27

Local clock offset: -0.177 ms

Remote clock offset: 0.54 ms

Below is generated by plot.py at 2018-07-04 02:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.01 Mbit/s

95th percentile per-packet one-way delay: 343.551 ms

Loss rate: 6.58%

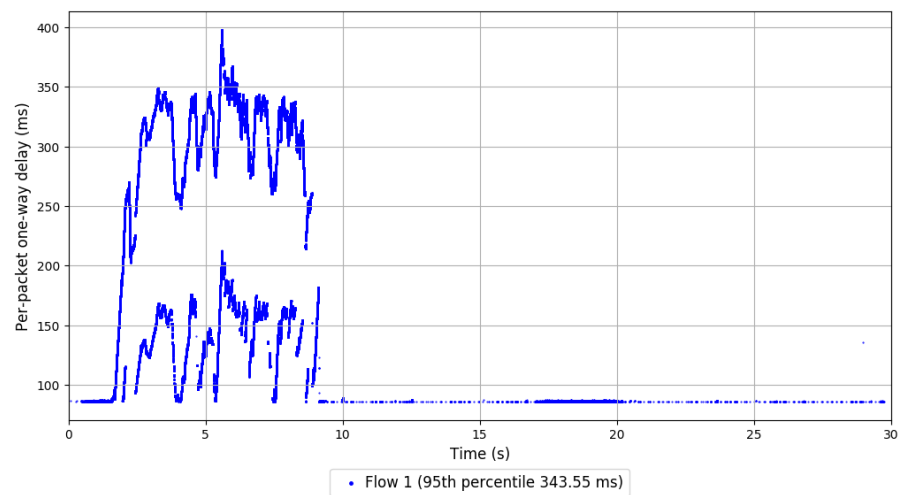
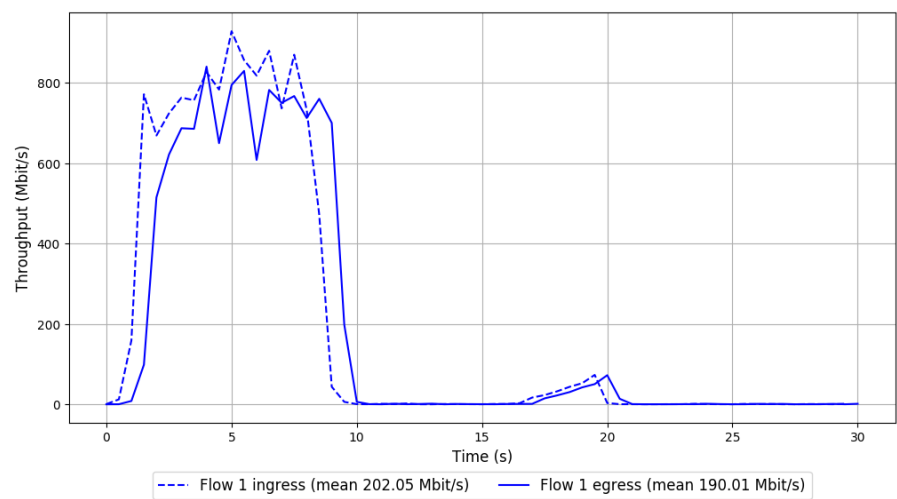
-- Flow 1:

Average throughput: 190.01 Mbit/s

95th percentile per-packet one-way delay: 343.551 ms

Loss rate: 6.58%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-03 23:05:20

End at: 2018-07-03 23:05:50

Local clock offset: 0.044 ms

Remote clock offset: 0.759 ms

Below is generated by plot.py at 2018-07-04 02:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 630.10 Mbit/s

95th percentile per-packet one-way delay: 341.809 ms

Loss rate: 10.34%

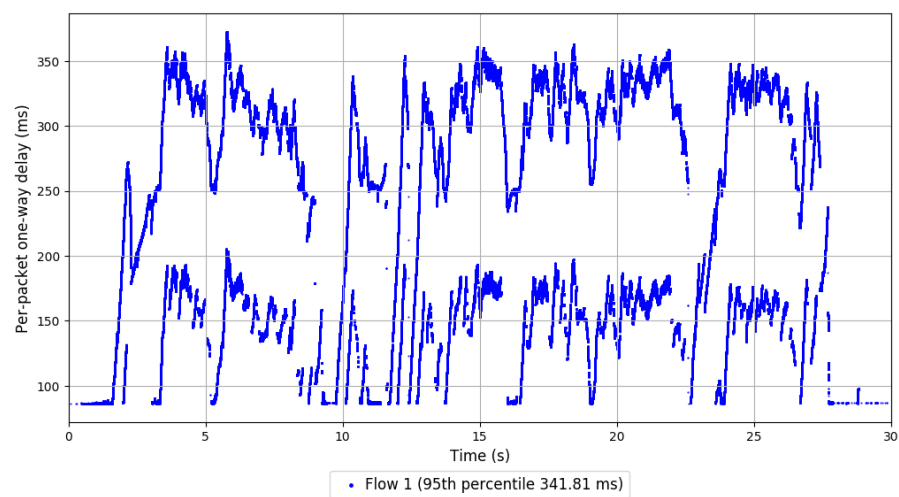
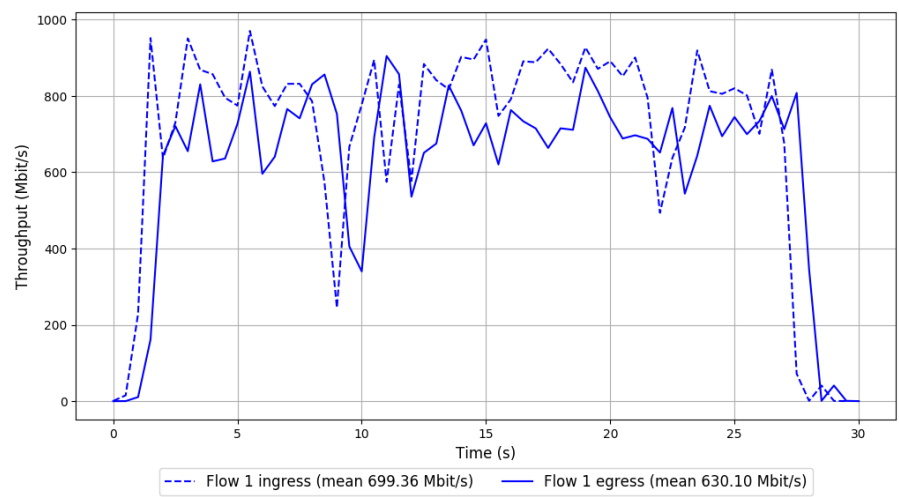
-- Flow 1:

Average throughput: 630.10 Mbit/s

95th percentile per-packet one-way delay: 341.809 ms

Loss rate: 10.34%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-03 23:27:25

End at: 2018-07-03 23:27:55

Local clock offset: 0.067 ms

Remote clock offset: 0.883 ms

Below is generated by plot.py at 2018-07-04 02:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.61 Mbit/s

95th percentile per-packet one-way delay: 343.077 ms

Loss rate: 7.16%

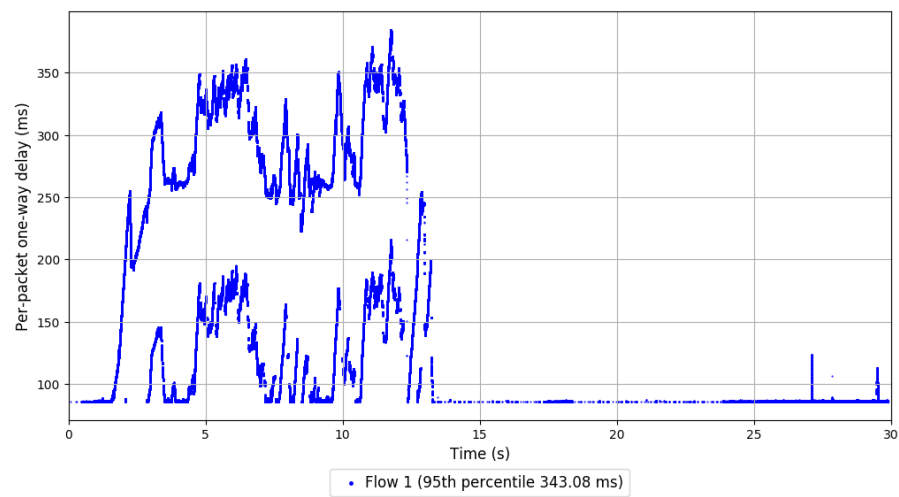
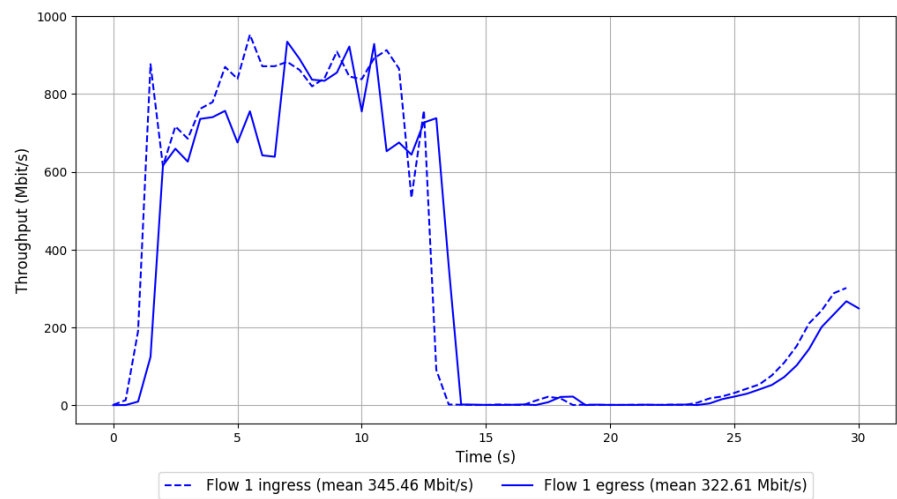
-- Flow 1:

Average throughput: 322.61 Mbit/s

95th percentile per-packet one-way delay: 343.077 ms

Loss rate: 7.16%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-03 23:49:11

End at: 2018-07-03 23:49:41

Local clock offset: 0.041 ms

Remote clock offset: 0.98 ms

Below is generated by plot.py at 2018-07-04 02:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.97 Mbit/s

95th percentile per-packet one-way delay: 333.295 ms

Loss rate: 4.40%

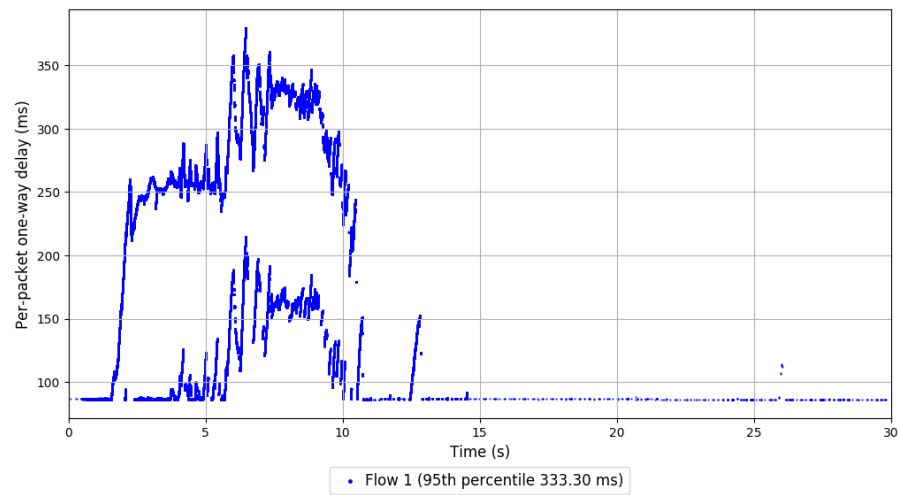
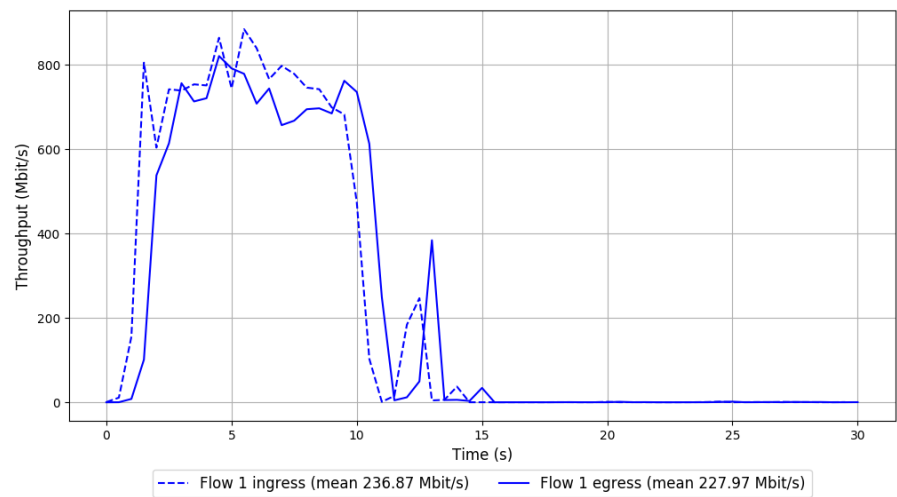
-- Flow 1:

Average throughput: 227.97 Mbit/s

95th percentile per-packet one-way delay: 333.295 ms

Loss rate: 4.40%

Run 6: Report of FillP-Sheep — Data Link

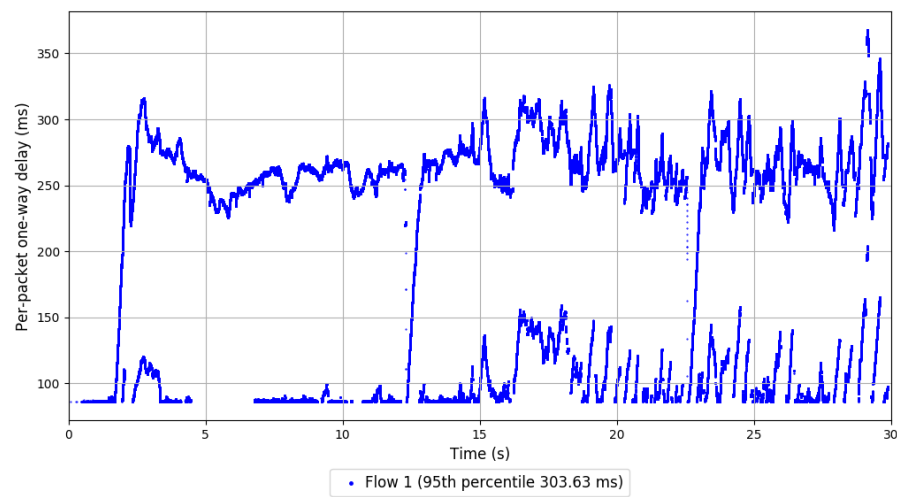
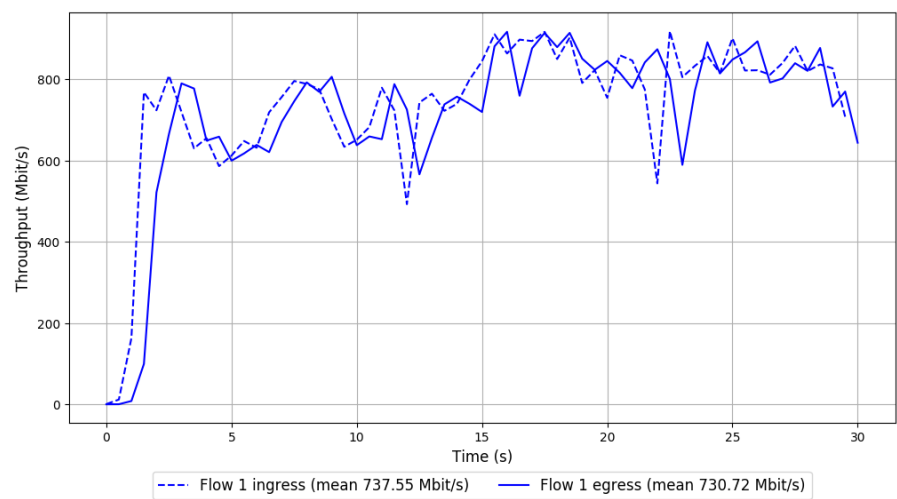


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-04 00:10:43
End at: 2018-07-04 00:11:13
Local clock offset: -0.115 ms
Remote clock offset: 1.118 ms

Below is generated by plot.py at 2018-07-04 02:25:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 730.72 Mbit/s
95th percentile per-packet one-way delay: 303.632 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 730.72 Mbit/s
95th percentile per-packet one-way delay: 303.632 ms
Loss rate: 1.50%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-04 00:32:42

End at: 2018-07-04 00:33:12

Local clock offset: 0.156 ms

Remote clock offset: 1.266 ms

Below is generated by plot.py at 2018-07-04 02:25:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 403.34 Mbit/s

95th percentile per-packet one-way delay: 287.143 ms

Loss rate: 2.75%

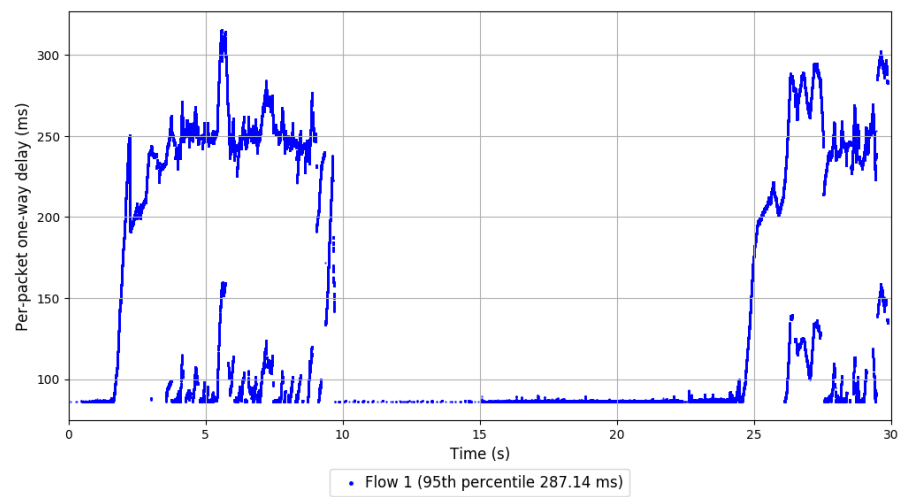
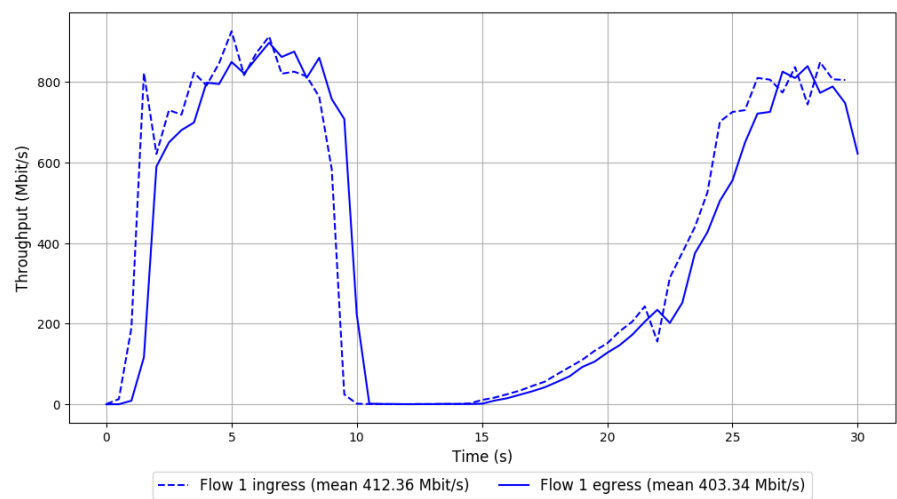
-- Flow 1:

Average throughput: 403.34 Mbit/s

95th percentile per-packet one-way delay: 287.143 ms

Loss rate: 2.75%

Run 8: Report of FillP-Sheep — Data Link

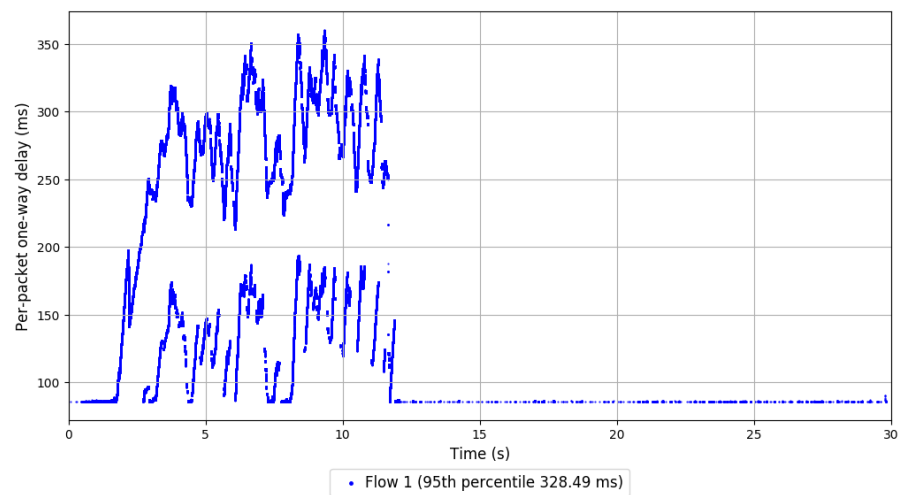
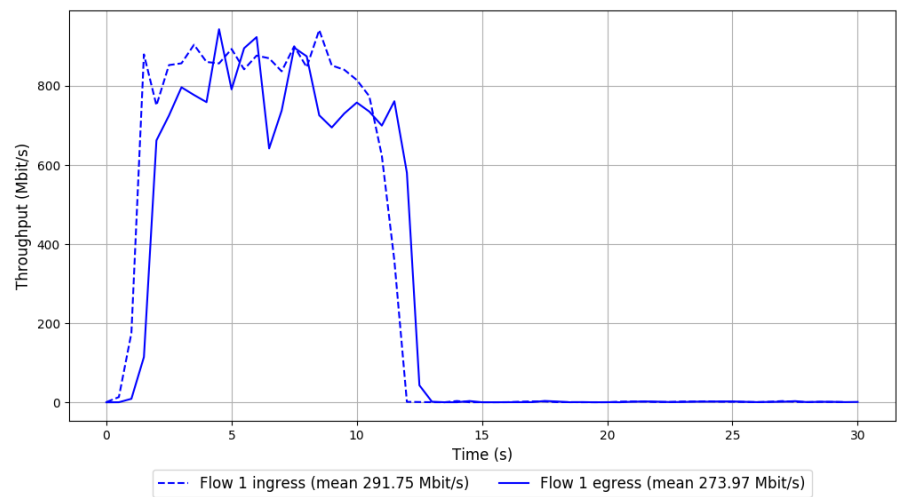


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-04 00:54:30
End at: 2018-07-04 00:55:00
Local clock offset: -0.045 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-04 02:25:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.97 Mbit/s
95th percentile per-packet one-way delay: 328.489 ms
Loss rate: 6.56%
-- Flow 1:
Average throughput: 273.97 Mbit/s
95th percentile per-packet one-way delay: 328.489 ms
Loss rate: 6.56%

Run 9: Report of FillP-Sheep — Data Link

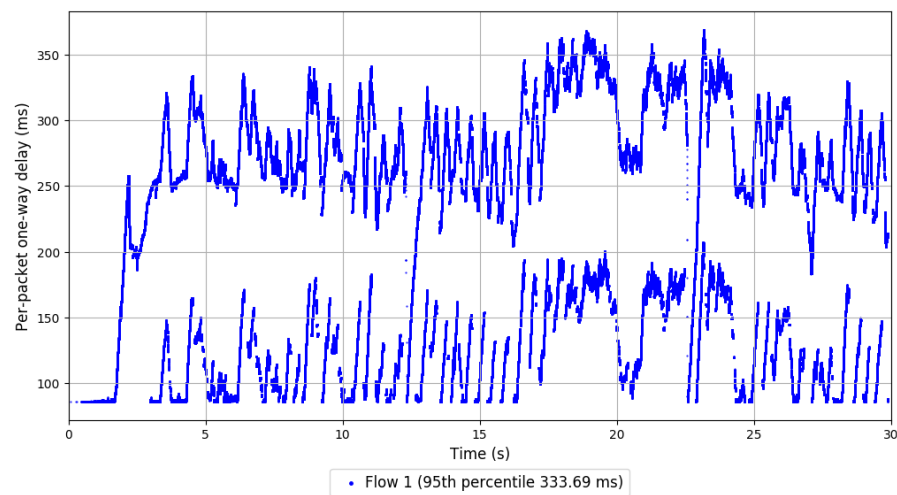
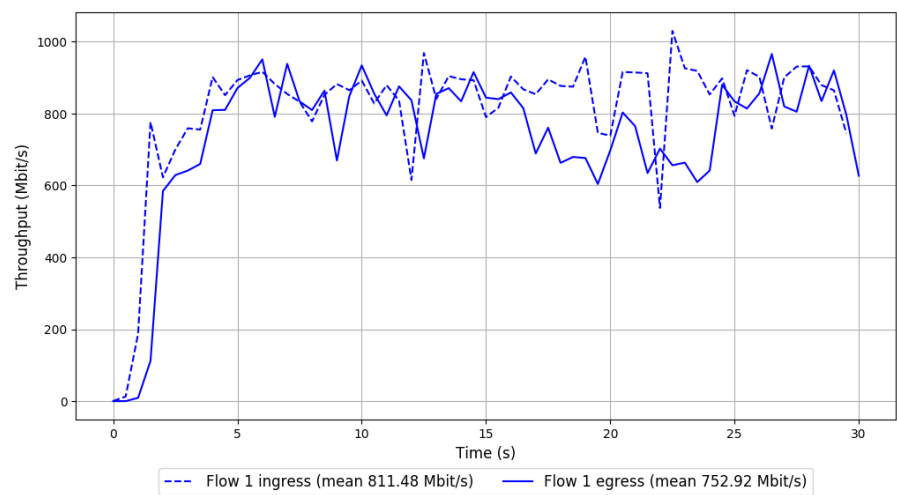


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-04 01:16:11
End at: 2018-07-04 01:16:41
Local clock offset: -0.185 ms
Remote clock offset: -0.759 ms

Below is generated by plot.py at 2018-07-04 02:29:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 752.92 Mbit/s
95th percentile per-packet one-way delay: 333.690 ms
Loss rate: 7.75%
-- Flow 1:
Average throughput: 752.92 Mbit/s
95th percentile per-packet one-way delay: 333.690 ms
Loss rate: 7.75%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

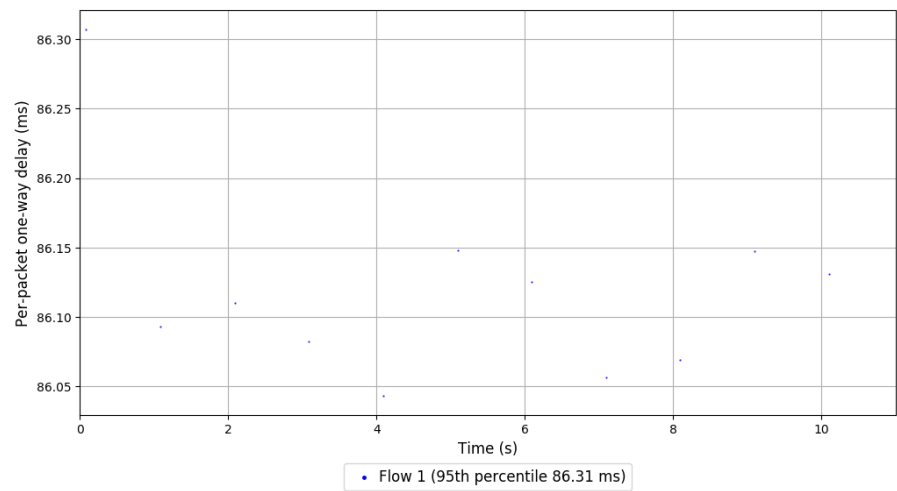
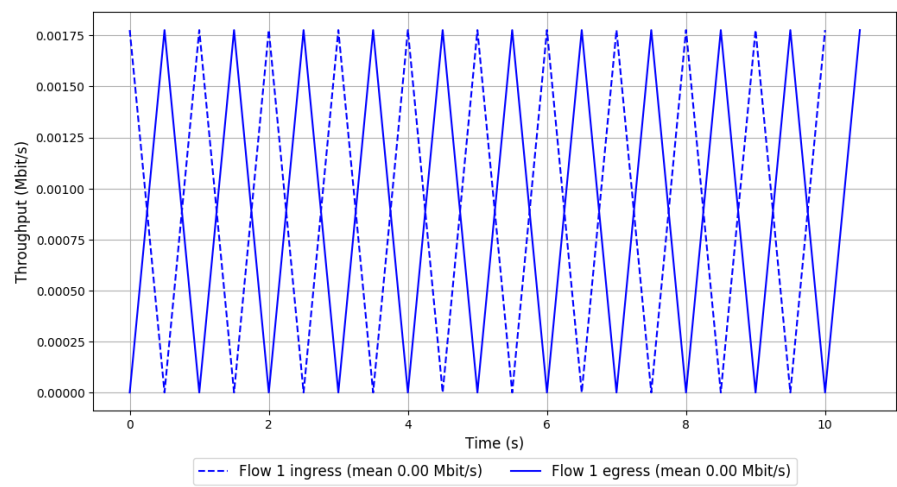
Start at: 2018-07-03 22:08:21

End at: 2018-07-03 22:08:51

Local clock offset: -0.093 ms

Remote clock offset: 0.365 ms

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-03 22:29:52

End at: 2018-07-03 22:30:22

Local clock offset: -0.208 ms

Remote clock offset: 0.45 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.00 Mbit/s

95th percentile per-packet one-way delay: 86.601 ms

Loss rate: 0.70%

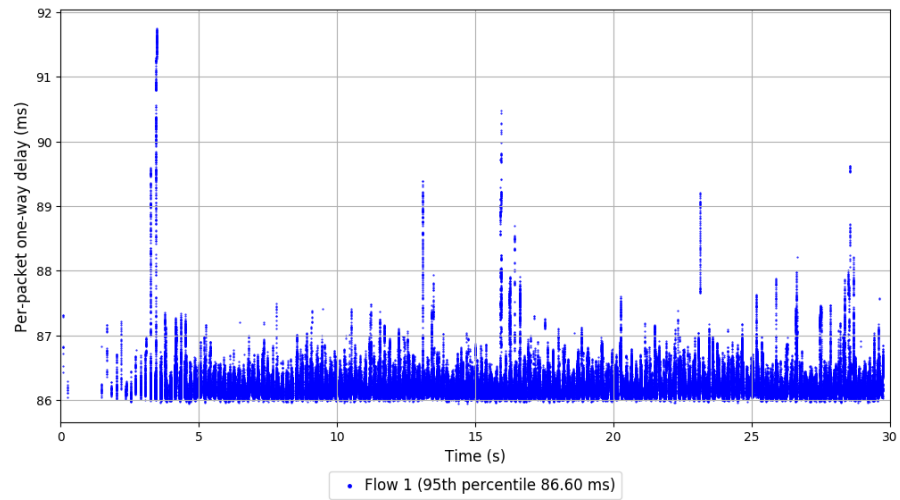
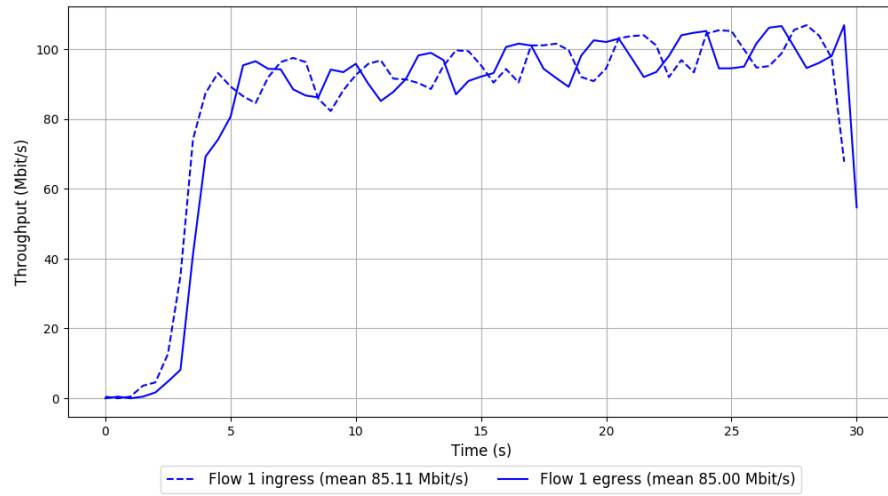
-- Flow 1:

Average throughput: 85.00 Mbit/s

95th percentile per-packet one-way delay: 86.601 ms

Loss rate: 0.70%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-03 22:51:22

End at: 2018-07-03 22:51:52

Local clock offset: -0.044 ms

Remote clock offset: 0.627 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.93 Mbit/s

95th percentile per-packet one-way delay: 86.871 ms

Loss rate: 0.53%

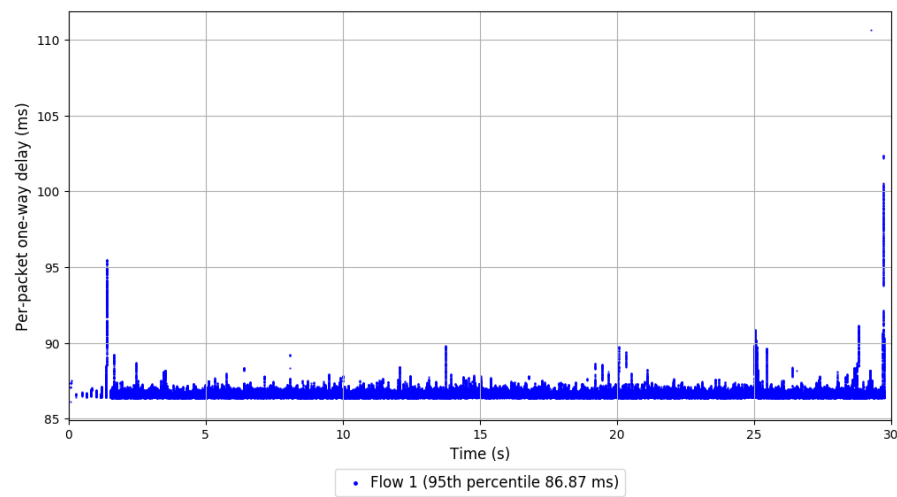
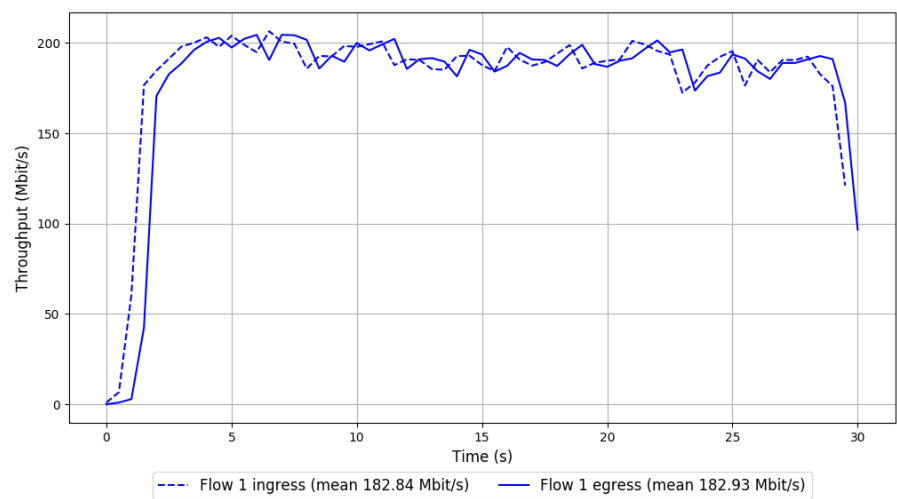
-- Flow 1:

Average throughput: 182.93 Mbit/s

95th percentile per-packet one-way delay: 86.871 ms

Loss rate: 0.53%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-03 23:13:11

End at: 2018-07-03 23:13:41

Local clock offset: -0.154 ms

Remote clock offset: 0.694 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.26 Mbit/s

95th percentile per-packet one-way delay: 86.675 ms

Loss rate: 0.61%

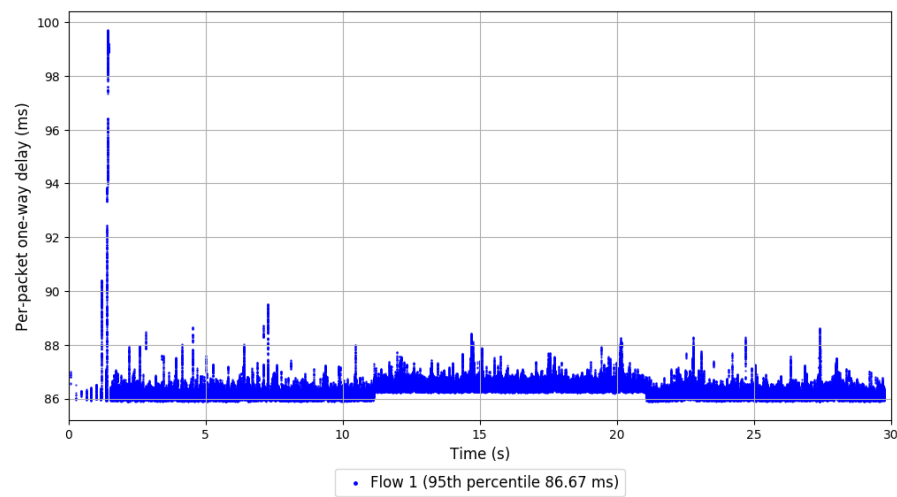
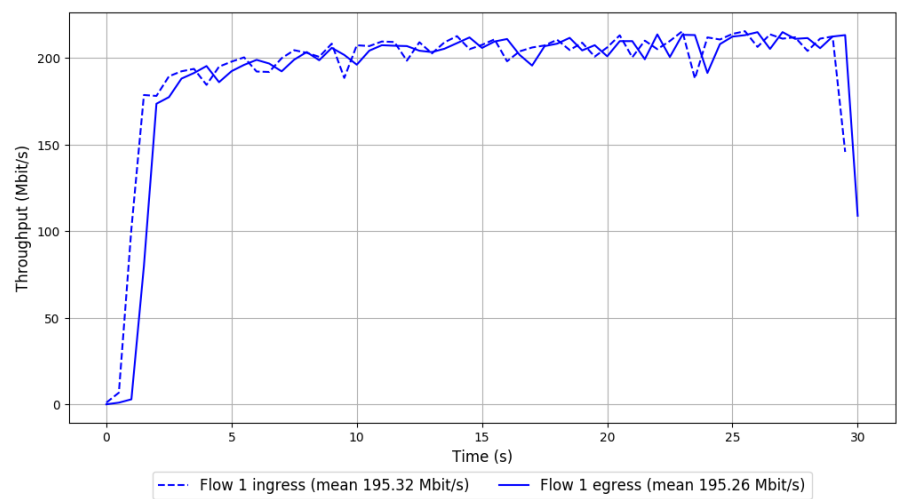
-- Flow 1:

Average throughput: 195.26 Mbit/s

95th percentile per-packet one-way delay: 86.675 ms

Loss rate: 0.61%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-03 23:35:01

End at: 2018-07-03 23:35:31

Local clock offset: 0.087 ms

Remote clock offset: 0.833 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.54 Mbit/s

95th percentile per-packet one-way delay: 87.096 ms

Loss rate: 0.63%

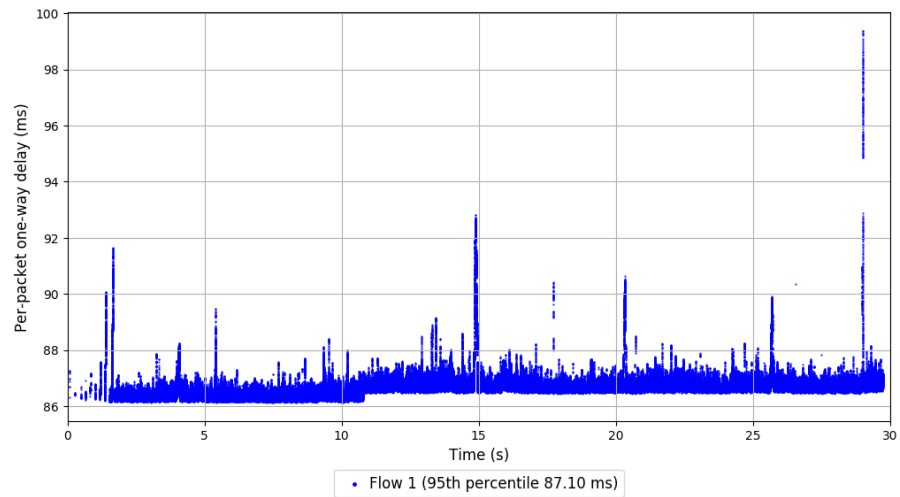
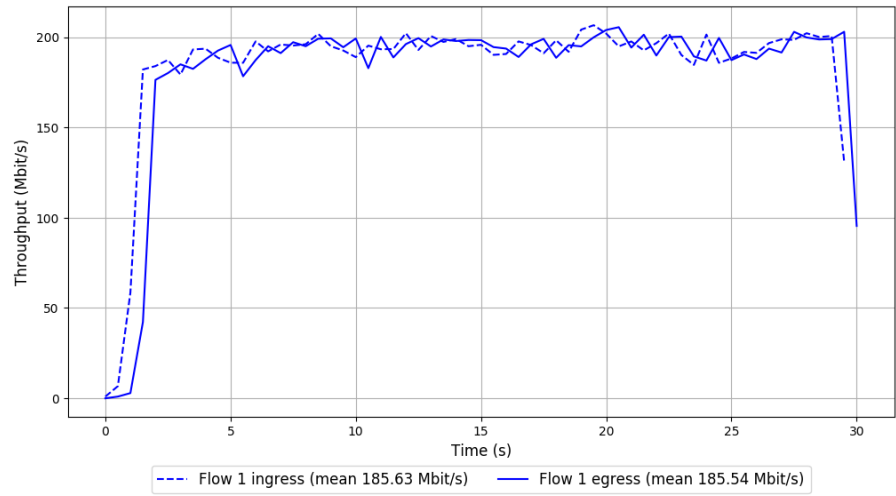
-- Flow 1:

Average throughput: 185.54 Mbit/s

95th percentile per-packet one-way delay: 87.096 ms

Loss rate: 0.63%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-03 23:56:36

End at: 2018-07-03 23:57:06

Local clock offset: 0.017 ms

Remote clock offset: 1.047 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.79 Mbit/s

95th percentile per-packet one-way delay: 86.723 ms

Loss rate: 0.59%

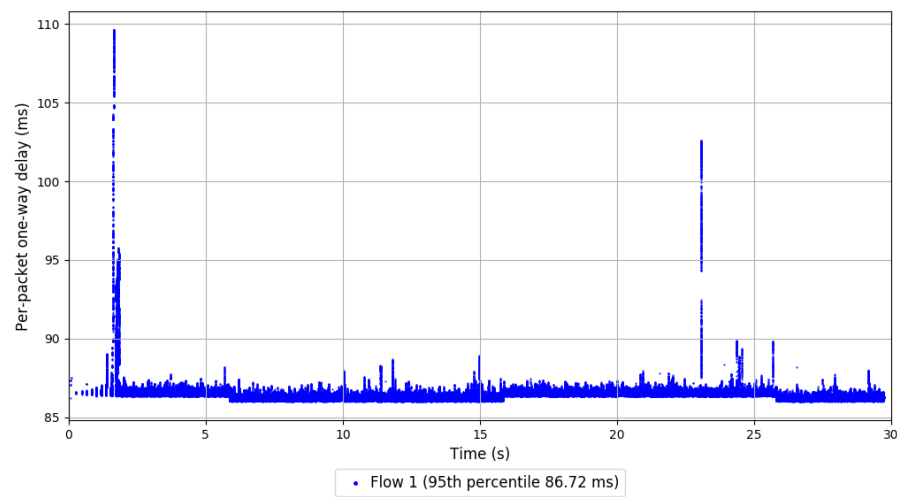
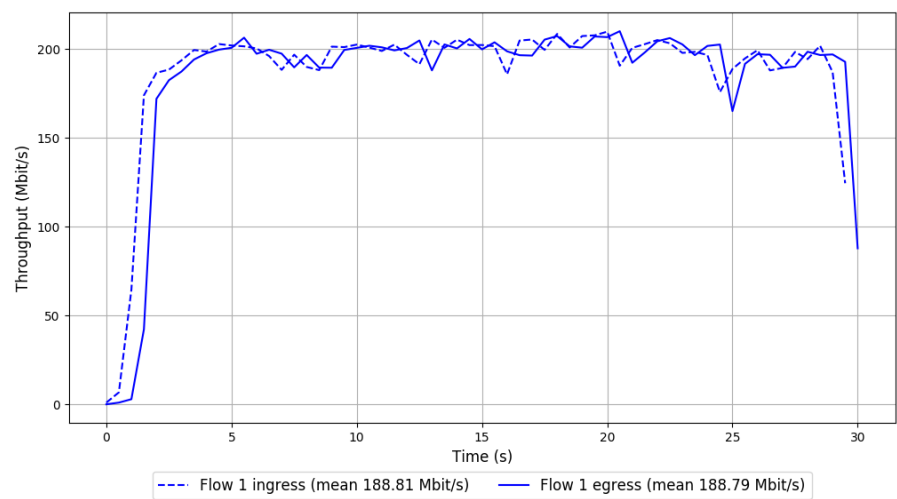
-- Flow 1:

Average throughput: 188.79 Mbit/s

95th percentile per-packet one-way delay: 86.723 ms

Loss rate: 0.59%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-04 00:18:32

End at: 2018-07-04 00:19:02

Local clock offset: -0.067 ms

Remote clock offset: 1.083 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.33 Mbit/s

95th percentile per-packet one-way delay: 87.181 ms

Loss rate: 0.60%

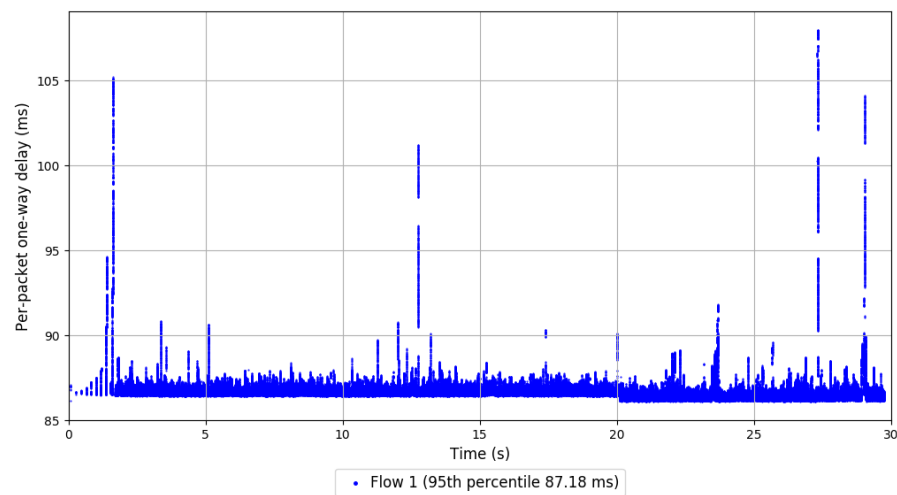
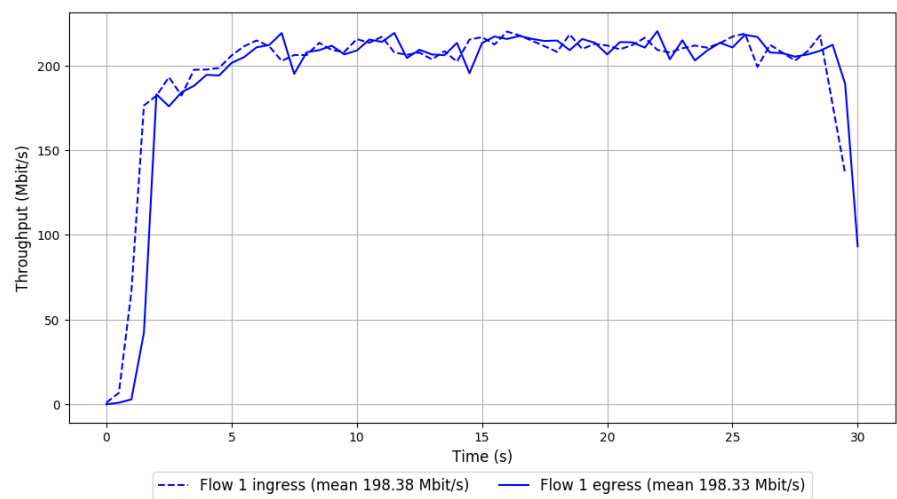
-- Flow 1:

Average throughput: 198.33 Mbit/s

95th percentile per-packet one-way delay: 87.181 ms

Loss rate: 0.60%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-04 00:40:19

End at: 2018-07-04 00:40:49

Local clock offset: -0.224 ms

Remote clock offset: 0.794 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.62 Mbit/s

95th percentile per-packet one-way delay: 86.913 ms

Loss rate: 0.63%

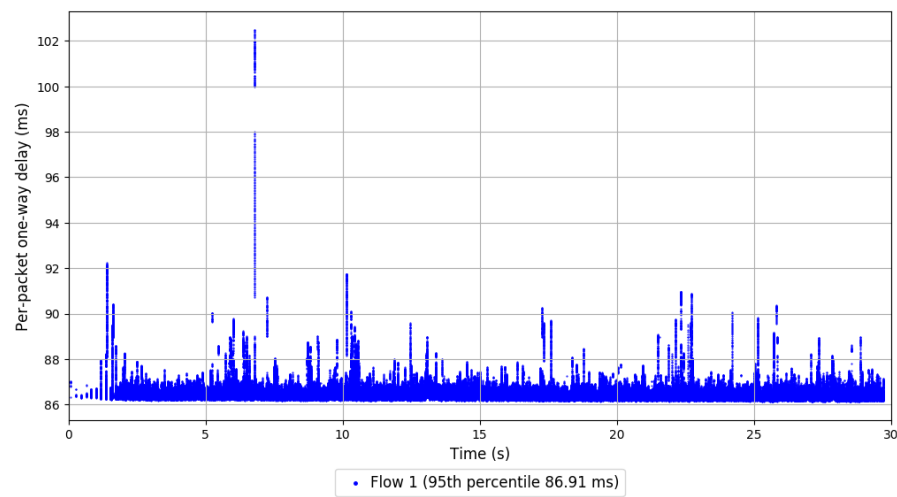
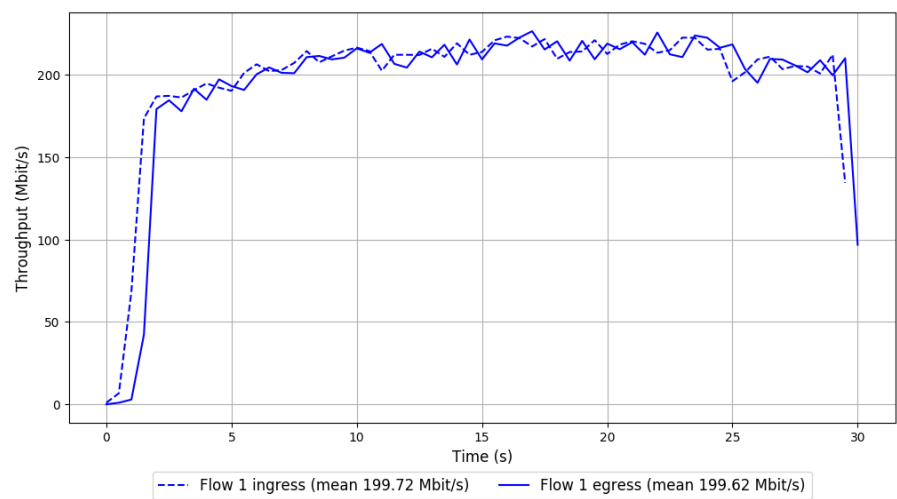
-- Flow 1:

Average throughput: 199.62 Mbit/s

95th percentile per-packet one-way delay: 86.913 ms

Loss rate: 0.63%

Run 8: Report of Indigo — Data Link

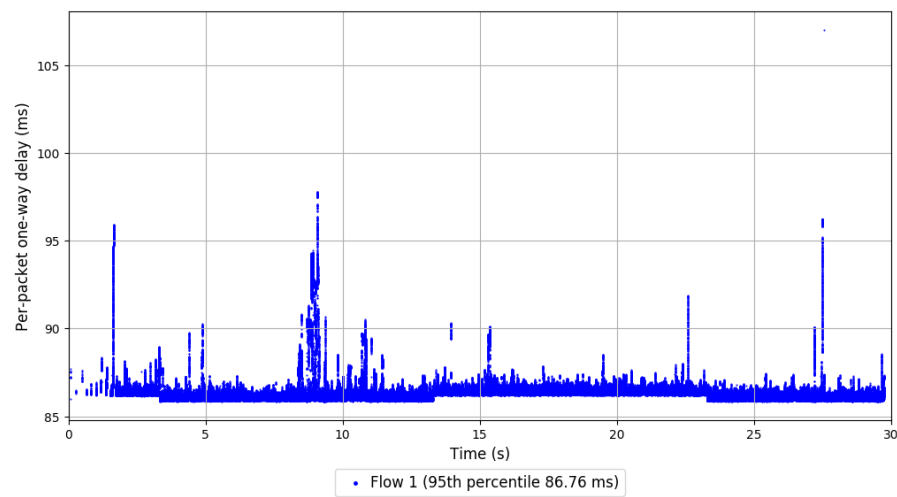
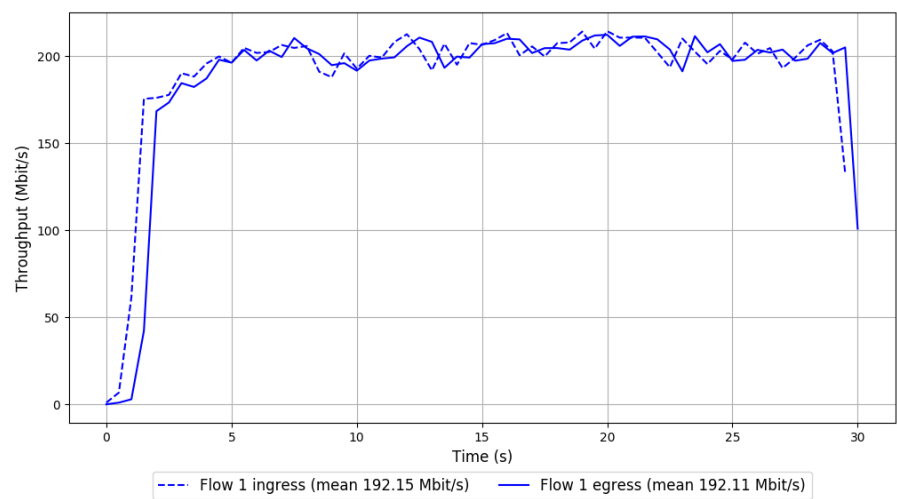


Run 9: Statistics of Indigo

Start at: 2018-07-04 01:01:59
End at: 2018-07-04 01:02:29
Local clock offset: -0.138 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-07-04 02:29:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.11 Mbit/s
95th percentile per-packet one-way delay: 86.761 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 192.11 Mbit/s
95th percentile per-packet one-way delay: 86.761 ms
Loss rate: 0.60%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-04 01:24:02

End at: 2018-07-04 01:24:32

Local clock offset: -0.057 ms

Remote clock offset: -0.957 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.55 Mbit/s

95th percentile per-packet one-way delay: 87.121 ms

Loss rate: 0.63%

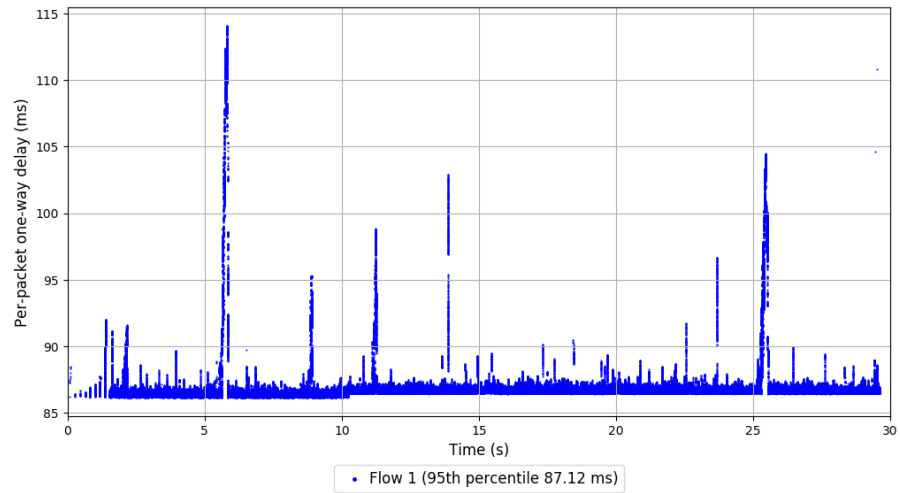
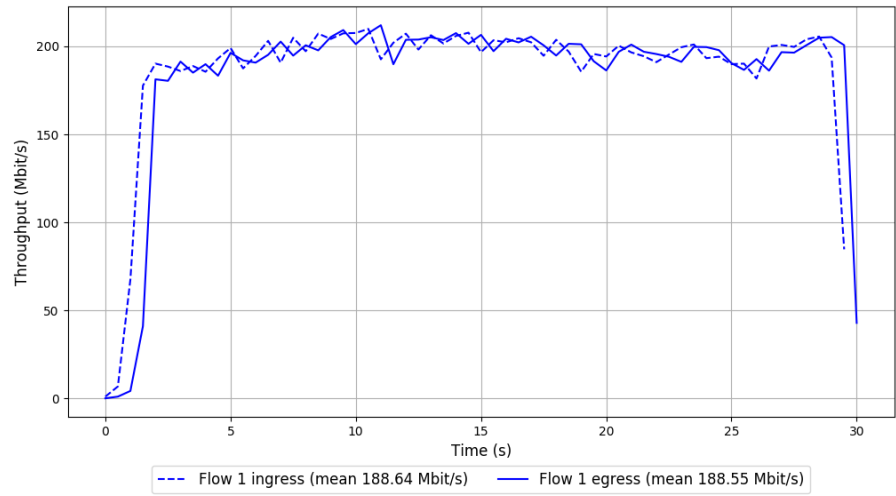
-- Flow 1:

Average throughput: 188.55 Mbit/s

95th percentile per-packet one-way delay: 87.121 ms

Loss rate: 0.63%

Run 10: Report of Indigo — Data Link

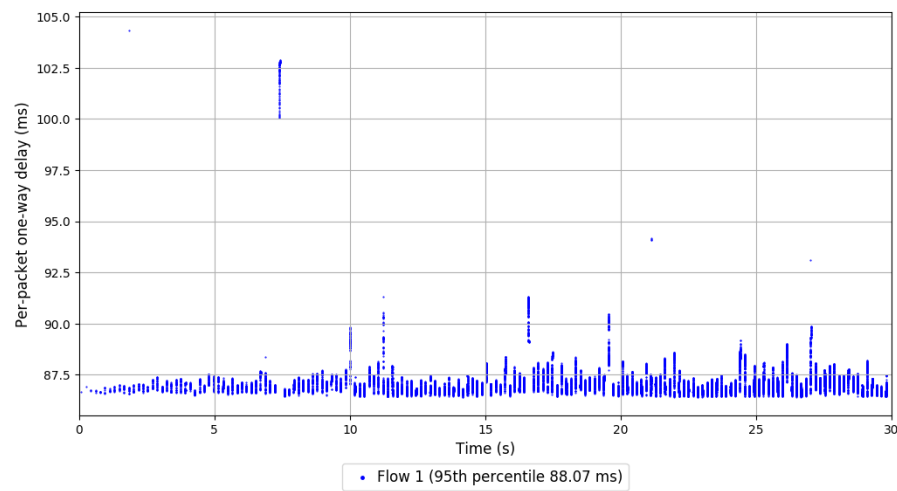
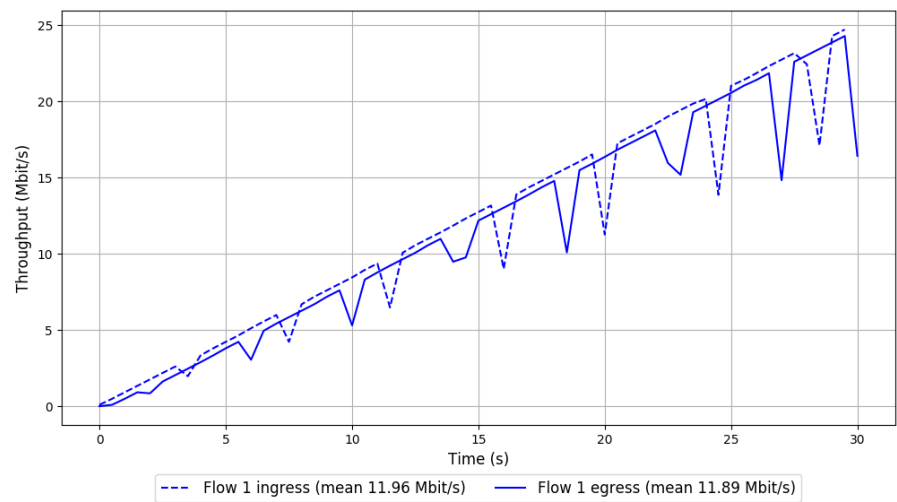


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-03 22:05:52
End at: 2018-07-03 22:06:22
Local clock offset: -0.059 ms
Remote clock offset: 0.357 ms

# Below is generated by plot.py at 2018-07-04 02:29:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 88.068 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 88.068 ms
Loss rate: 1.16%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-03 22:27:23

End at: 2018-07-03 22:27:53

Local clock offset: -0.045 ms

Remote clock offset: 0.439 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 88.070 ms

Loss rate: 1.16%

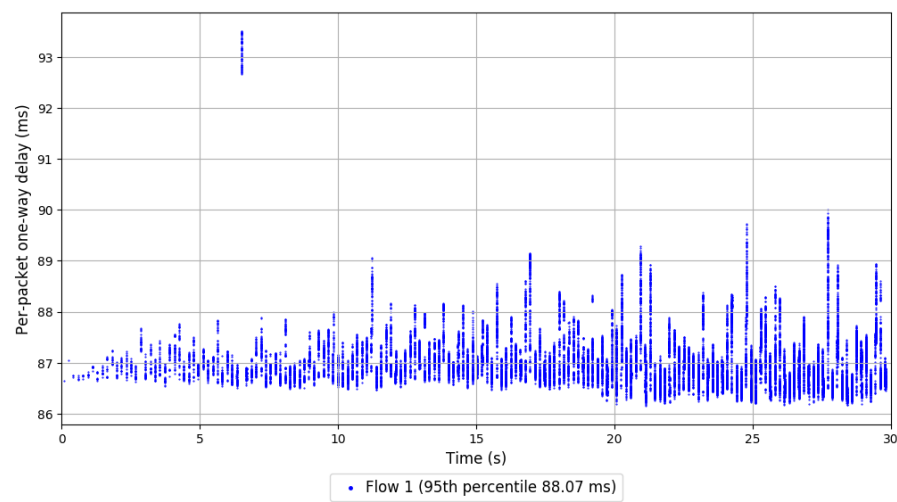
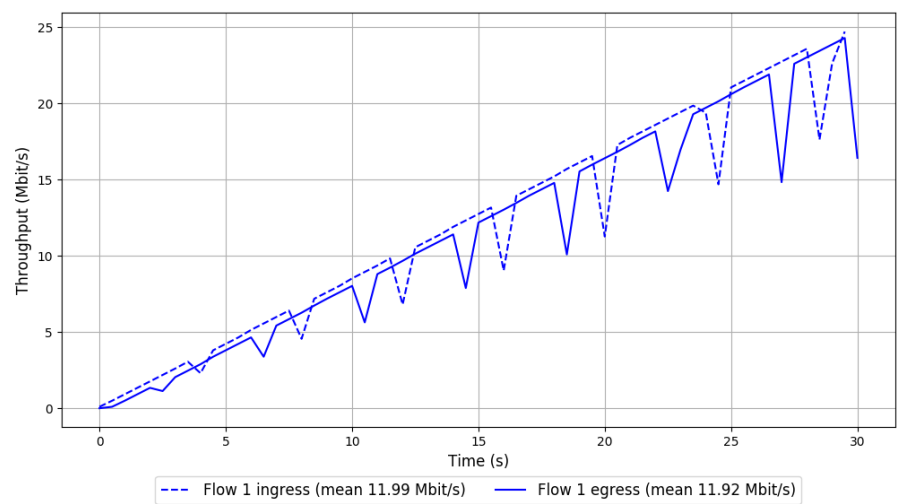
-- Flow 1:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 88.070 ms

Loss rate: 1.16%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-03 22:48:56

End at: 2018-07-03 22:49:26

Local clock offset: -0.062 ms

Remote clock offset: 0.61 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 87.689 ms

Loss rate: 1.16%

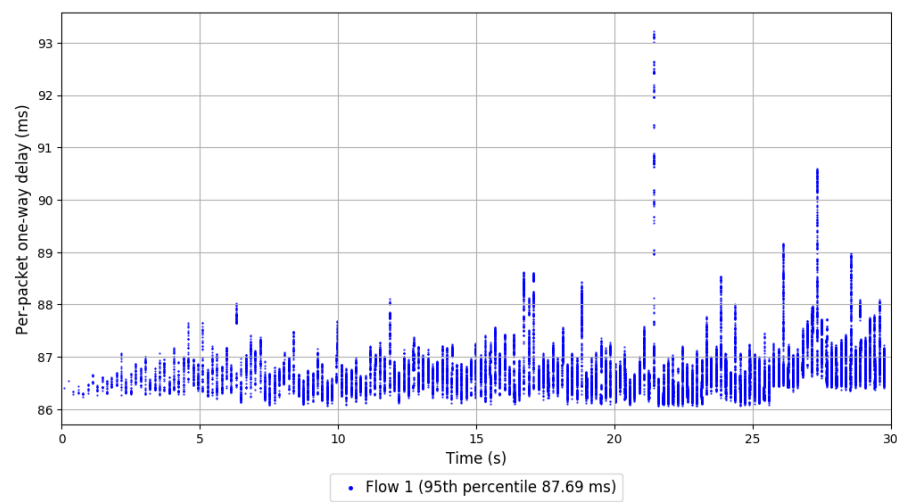
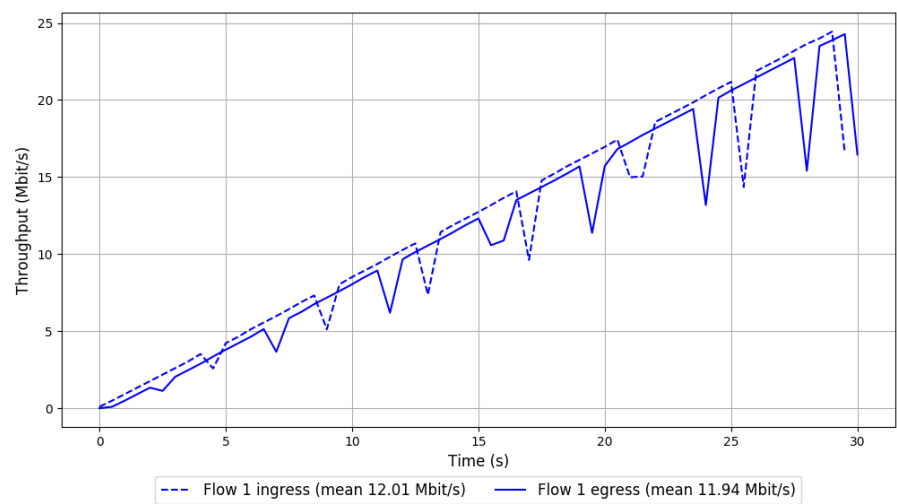
-- Flow 1:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 87.689 ms

Loss rate: 1.16%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-03 23:10:44

End at: 2018-07-03 23:11:14

Local clock offset: -0.001 ms

Remote clock offset: 0.714 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.91 Mbit/s

95th percentile per-packet one-way delay: 88.149 ms

Loss rate: 1.16%

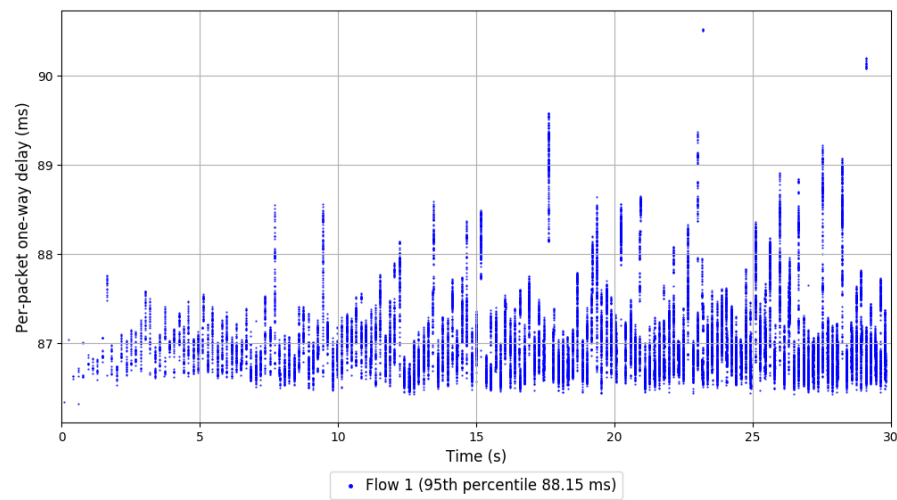
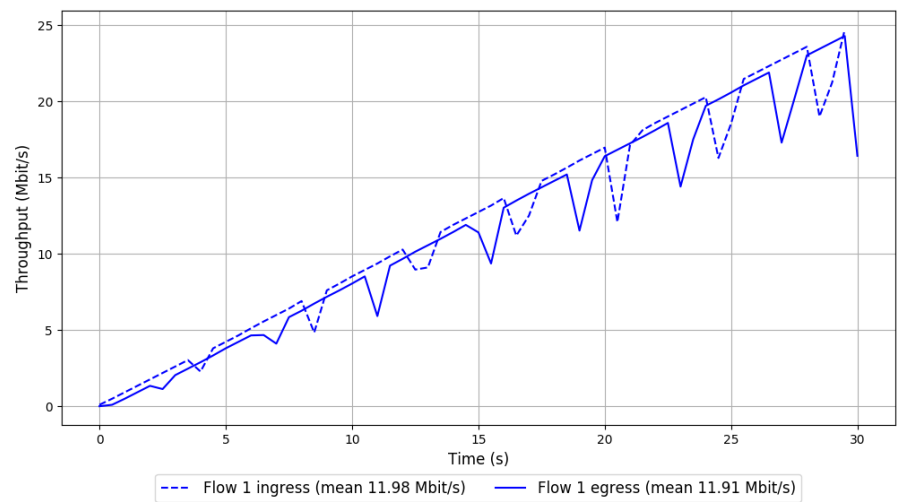
-- Flow 1:

Average throughput: 11.91 Mbit/s

95th percentile per-packet one-way delay: 88.149 ms

Loss rate: 1.16%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-03 23:32:35

End at: 2018-07-03 23:33:05

Local clock offset: -0.043 ms

Remote clock offset: 0.85 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 87.861 ms

Loss rate: 1.16%

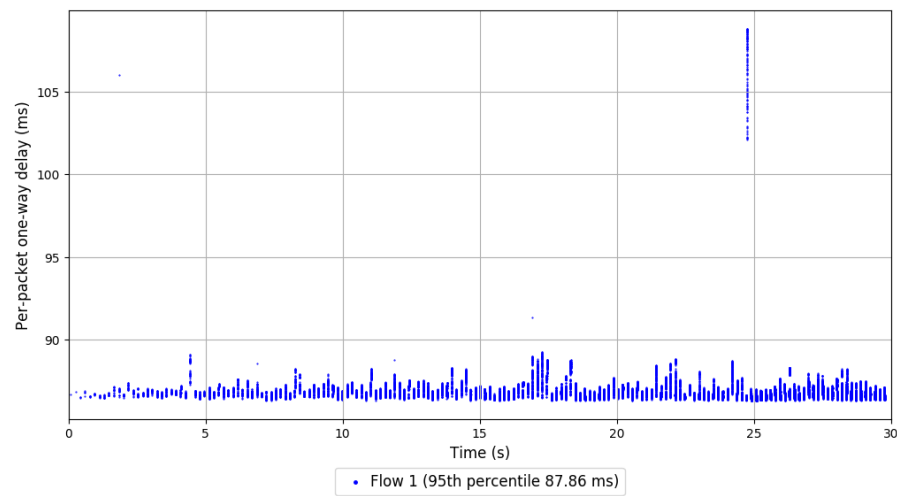
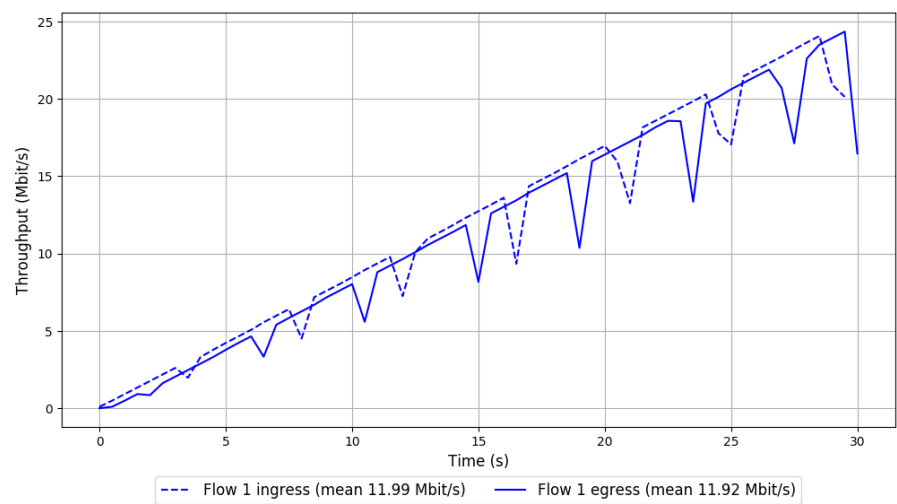
-- Flow 1:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 87.861 ms

Loss rate: 1.16%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-03 23:54:14

End at: 2018-07-03 23:54:44

Local clock offset: -0.055 ms

Remote clock offset: 1.073 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 87.639 ms

Loss rate: 1.14%

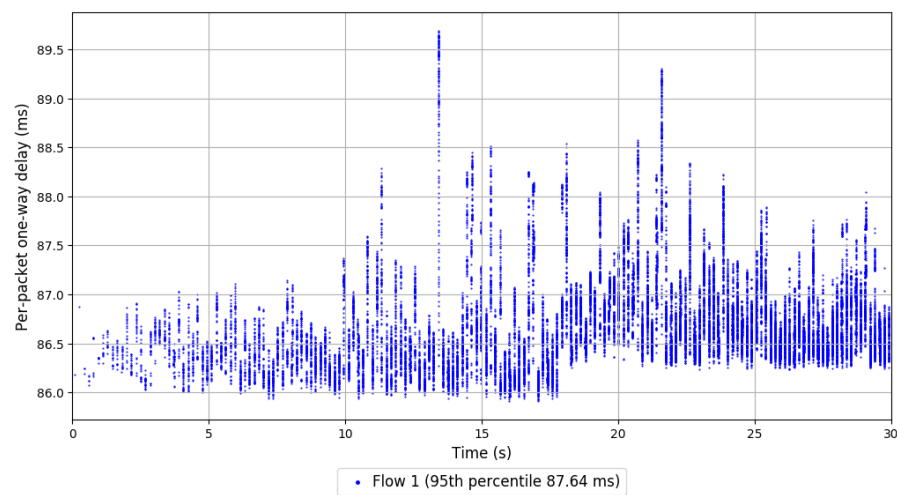
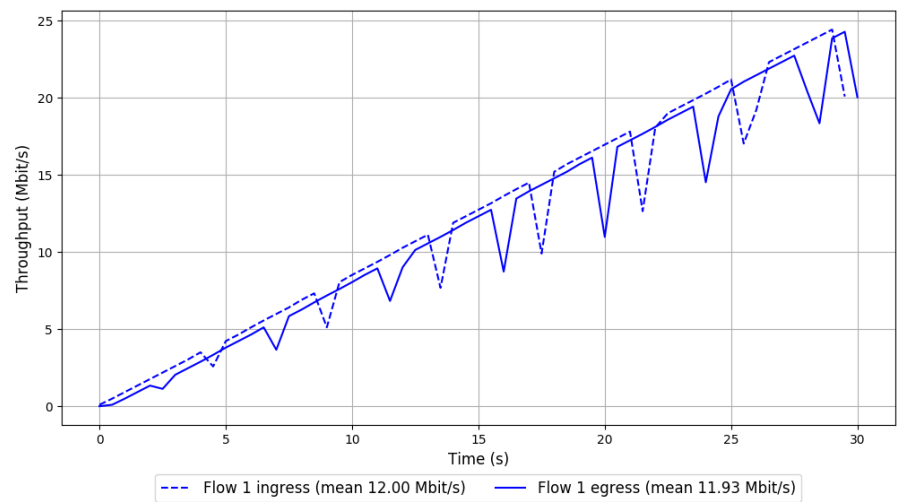
-- Flow 1:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 87.639 ms

Loss rate: 1.14%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-04 00:16:02

End at: 2018-07-04 00:16:32

Local clock offset: -0.09 ms

Remote clock offset: 1.114 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.90 Mbit/s

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

Loss rate: 1.16%

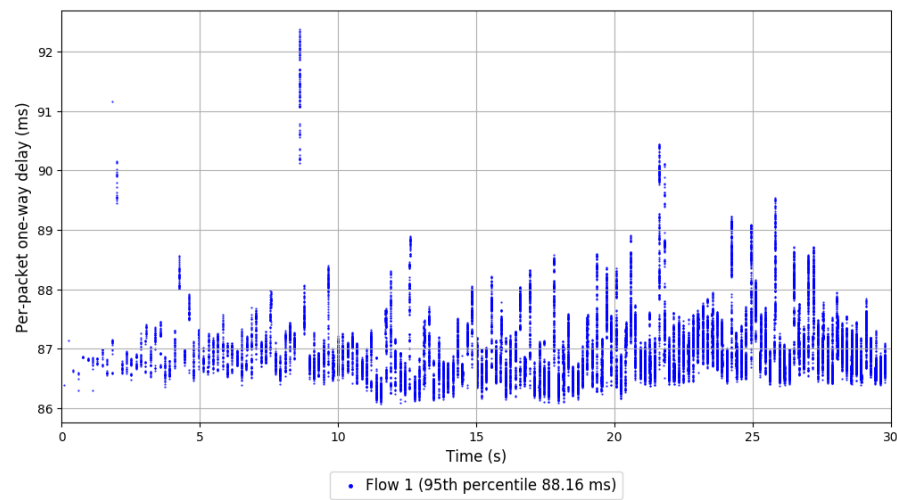
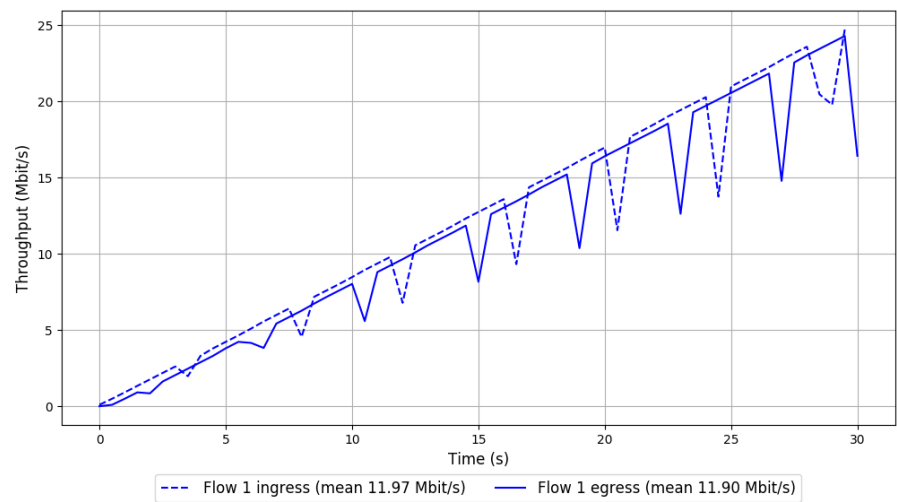
-- Flow 1:

Average throughput: 11.90 Mbit/s

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

Loss rate: 1.16%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-04 00:37:54

End at: 2018-07-04 00:38:24

Local clock offset: -0.049 ms

Remote clock offset: 1.16 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 87.704 ms

Loss rate: 1.15%

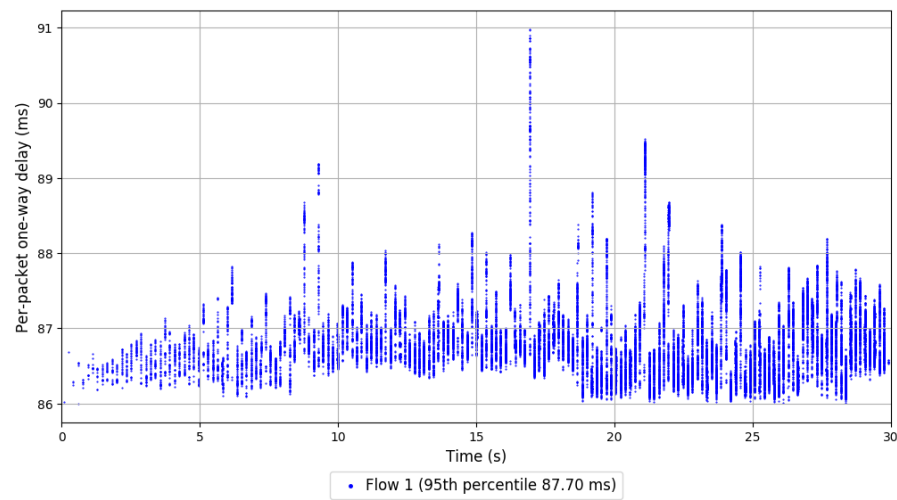
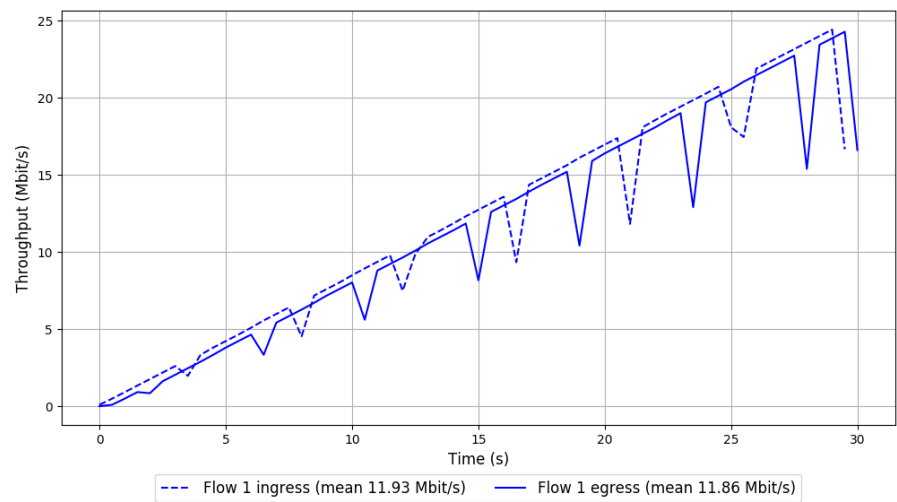
-- Flow 1:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 87.704 ms

Loss rate: 1.15%

Run 8: Report of LEDBAT — Data Link

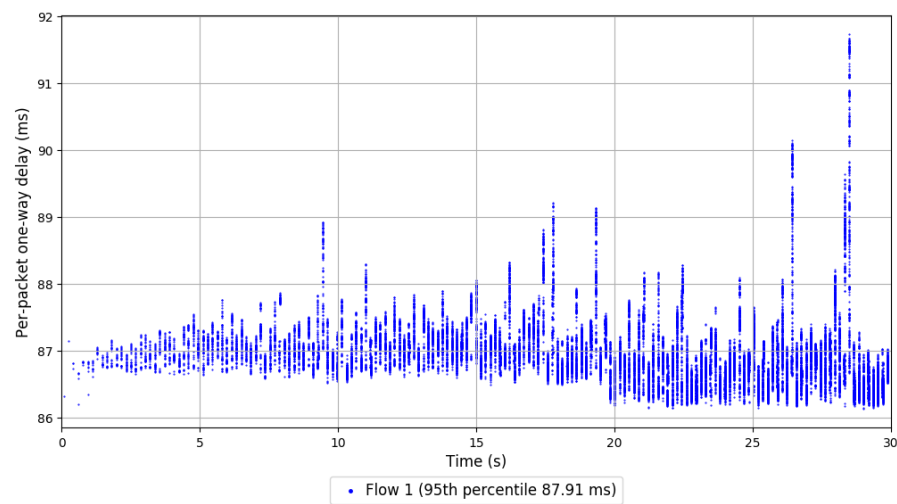
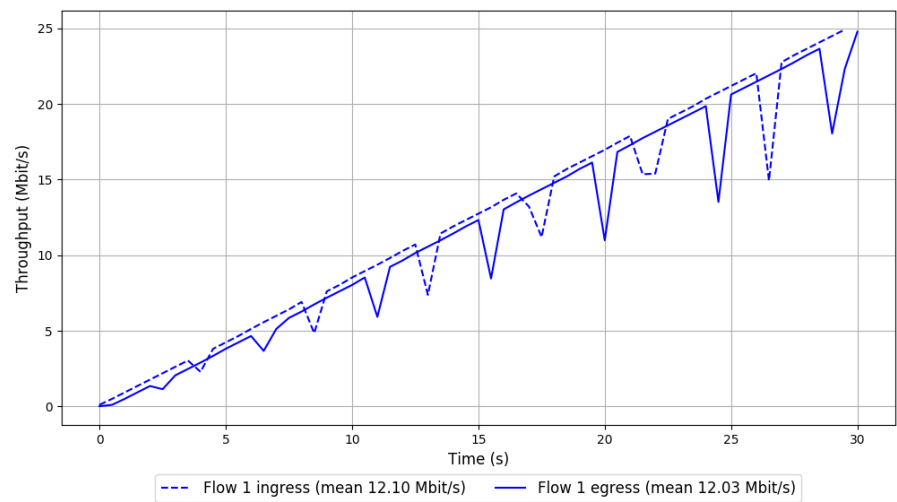


Run 9: Statistics of LEDBAT

Start at: 2018-07-04 00:59:32
End at: 2018-07-04 01:00:02
Local clock offset: 0.152 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2018-07-04 02:29:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 87.907 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 87.907 ms
Loss rate: 1.15%

Run 9: Report of LEDBAT — Data Link

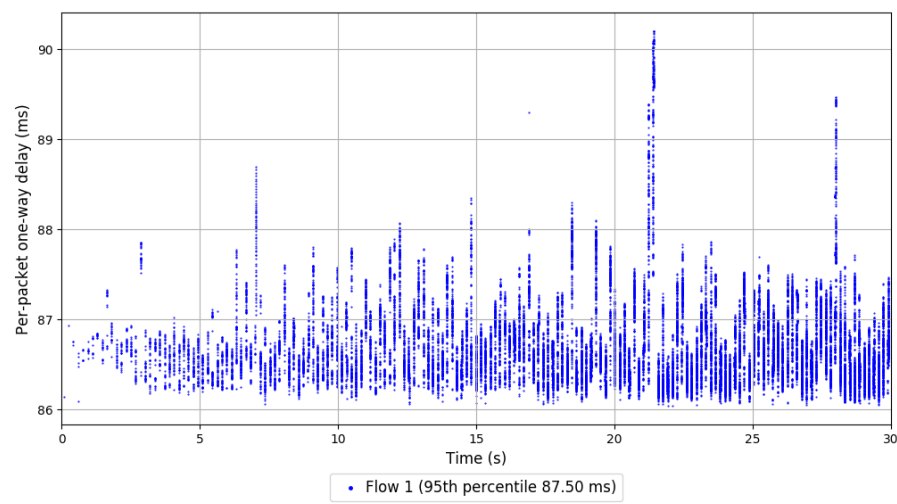
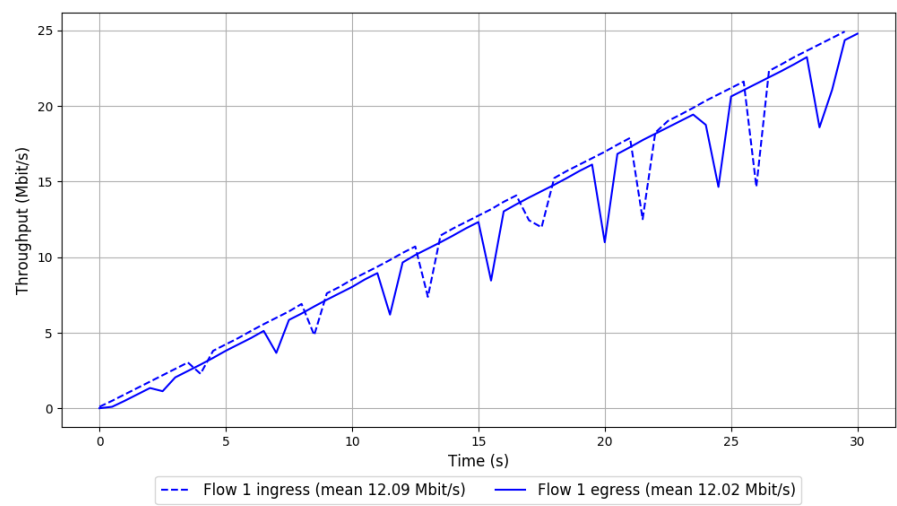


Run 10: Statistics of LEDBAT

Start at: 2018-07-04 01:21:39
End at: 2018-07-04 01:22:10
Local clock offset: -0.076 ms
Remote clock offset: -0.842 ms

Below is generated by plot.py at 2018-07-04 02:29:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.504 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.504 ms
Loss rate: 1.15%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-03 22:10:52

End at: 2018-07-03 22:11:22

Local clock offset: -0.02 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.29 Mbit/s

95th percentile per-packet one-way delay: 146.511 ms

Loss rate: 0.93%

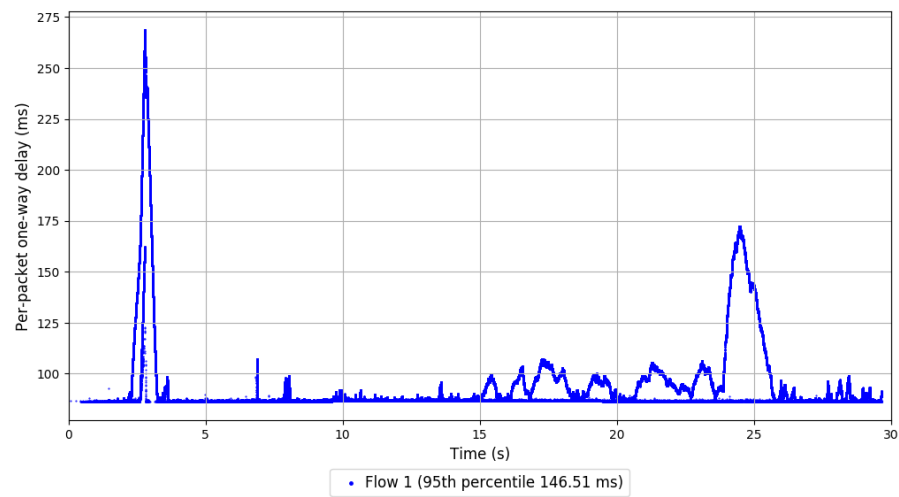
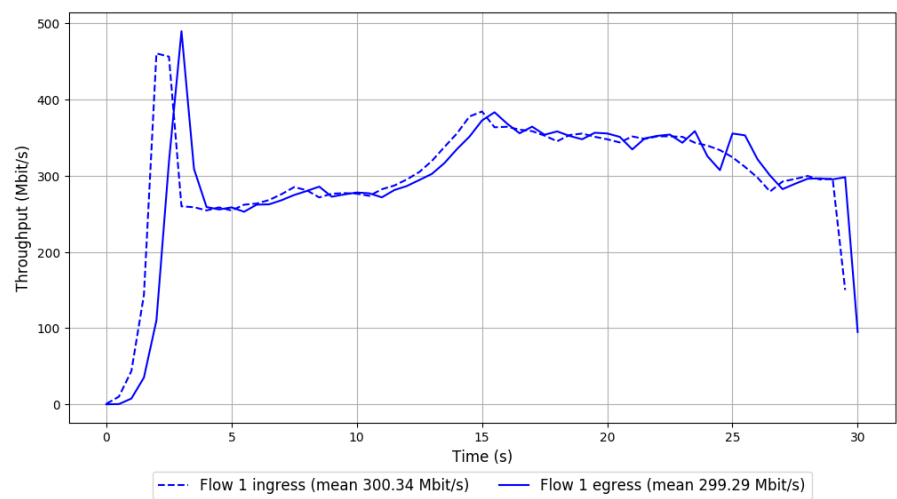
-- Flow 1:

Average throughput: 299.29 Mbit/s

95th percentile per-packet one-way delay: 146.511 ms

Loss rate: 0.93%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-03 22:32:30

End at: 2018-07-03 22:33:01

Local clock offset: -0.068 ms

Remote clock offset: 0.472 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.21 Mbit/s

95th percentile per-packet one-way delay: 130.456 ms

Loss rate: 0.90%

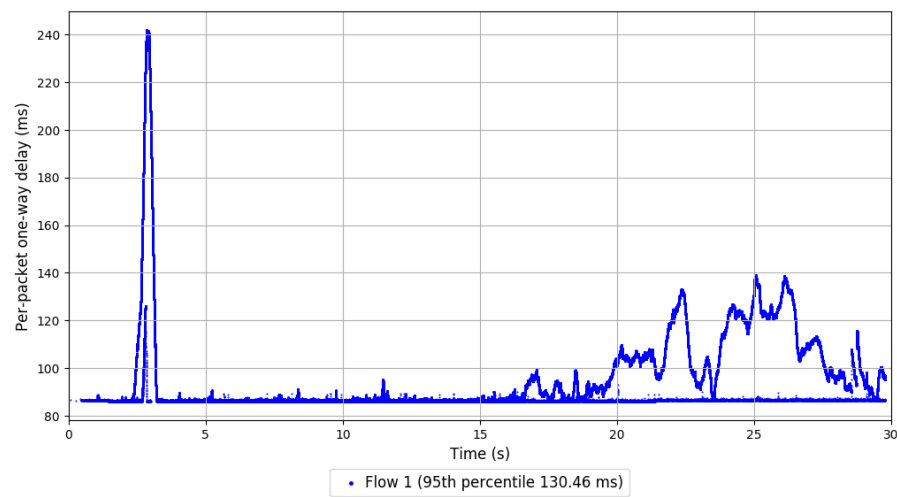
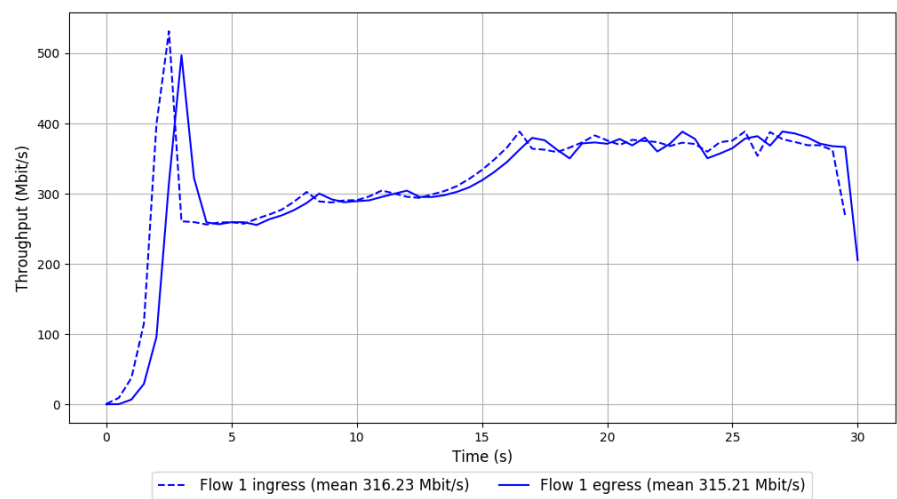
-- Flow 1:

Average throughput: 315.21 Mbit/s

95th percentile per-packet one-way delay: 130.456 ms

Loss rate: 0.90%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-03 22:54:08

End at: 2018-07-03 22:54:38

Local clock offset: 0.155 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.34 Mbit/s

95th percentile per-packet one-way delay: 146.763 ms

Loss rate: 0.93%

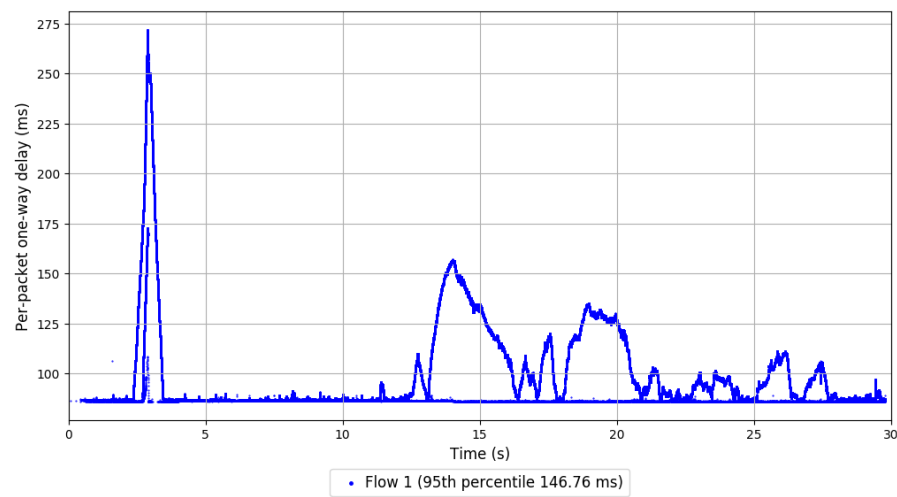
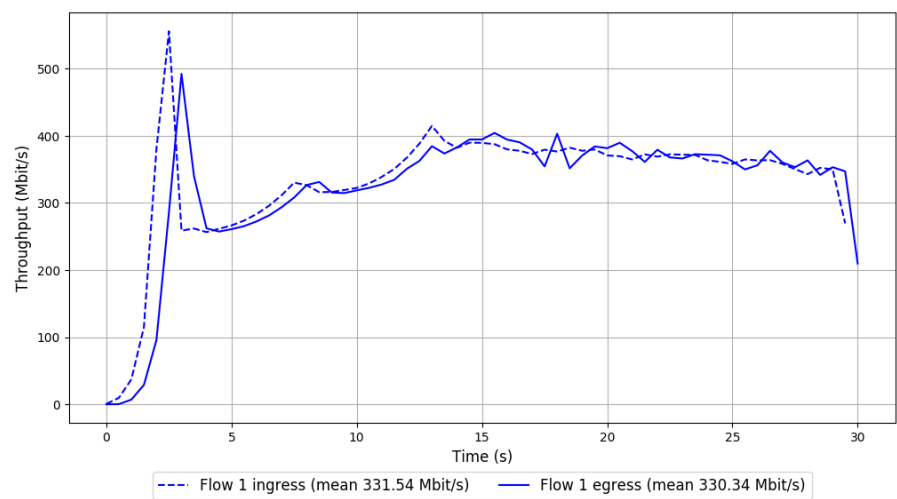
-- Flow 1:

Average throughput: 330.34 Mbit/s

95th percentile per-packet one-way delay: 146.763 ms

Loss rate: 0.93%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-03 23:15:56

End at: 2018-07-03 23:16:26

Local clock offset: 0.107 ms

Remote clock offset: 0.715 ms

Below is generated by plot.py at 2018-07-04 02:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.97 Mbit/s

95th percentile per-packet one-way delay: 100.965 ms

Loss rate: 0.95%

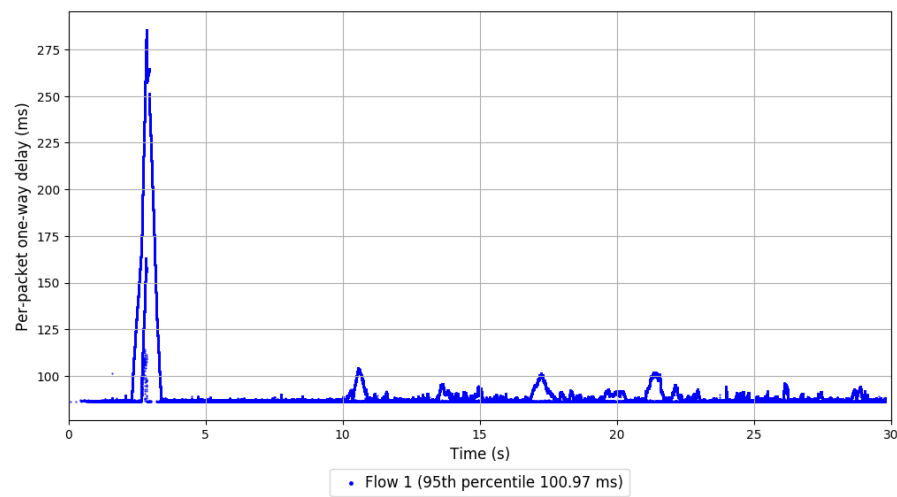
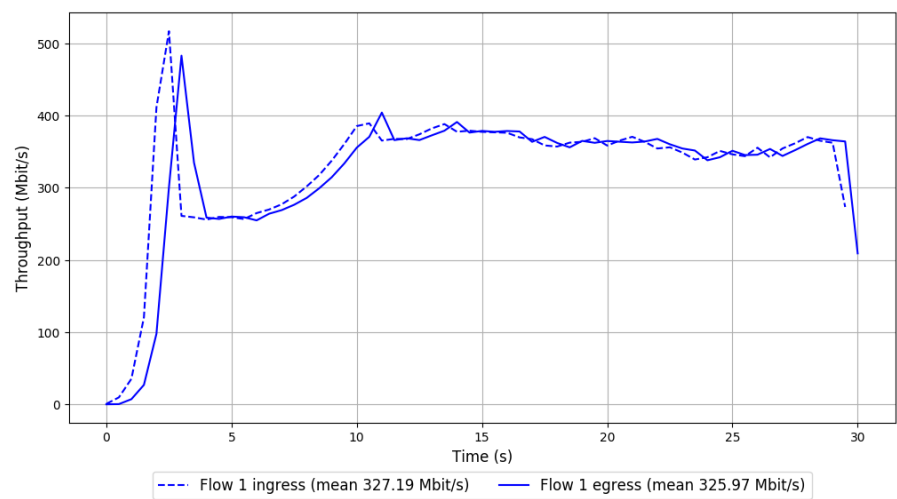
-- Flow 1:

Average throughput: 325.97 Mbit/s

95th percentile per-packet one-way delay: 100.965 ms

Loss rate: 0.95%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-03 23:37:48

End at: 2018-07-03 23:38:18

Local clock offset: -0.032 ms

Remote clock offset: 0.909 ms

Below is generated by plot.py at 2018-07-04 02:29:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.90 Mbit/s

95th percentile per-packet one-way delay: 212.557 ms

Loss rate: 0.89%

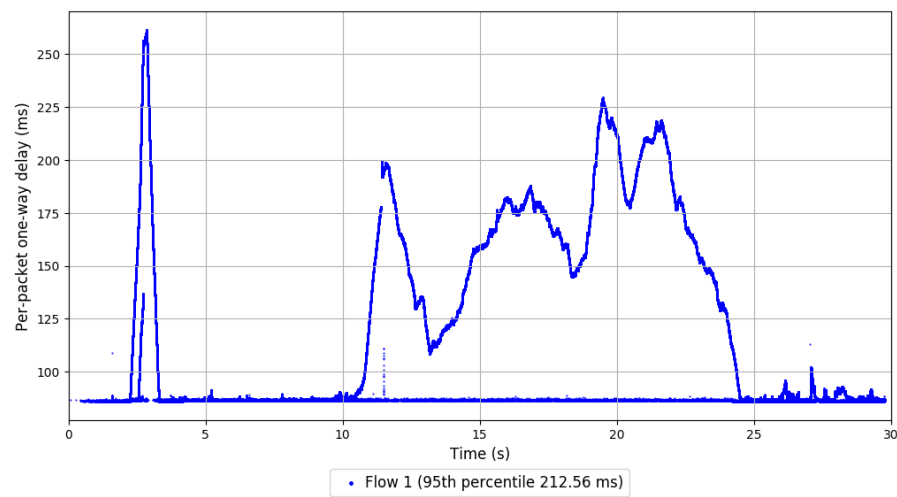
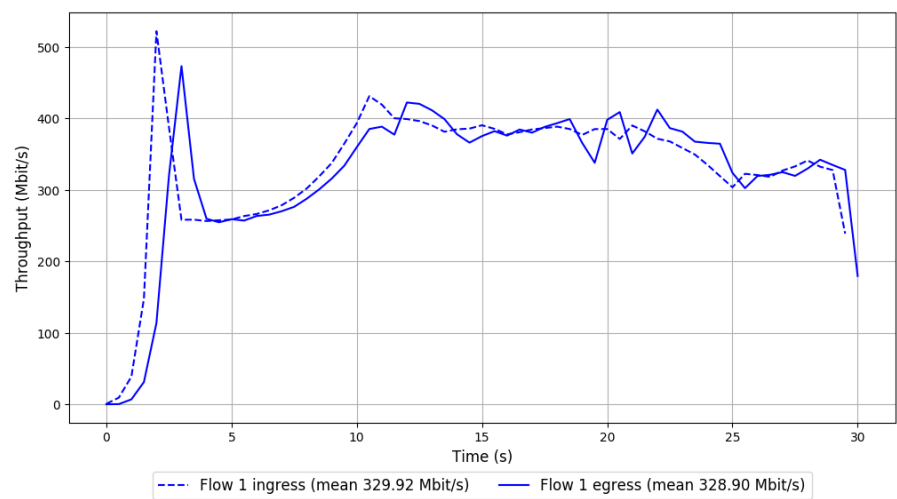
-- Flow 1:

Average throughput: 328.90 Mbit/s

95th percentile per-packet one-way delay: 212.557 ms

Loss rate: 0.89%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-03 23:59:20

End at: 2018-07-03 23:59:50

Local clock offset: 0.139 ms

Remote clock offset: 1.061 ms

Below is generated by plot.py at 2018-07-04 02:29:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.11 Mbit/s

95th percentile per-packet one-way delay: 136.453 ms

Loss rate: 0.98%

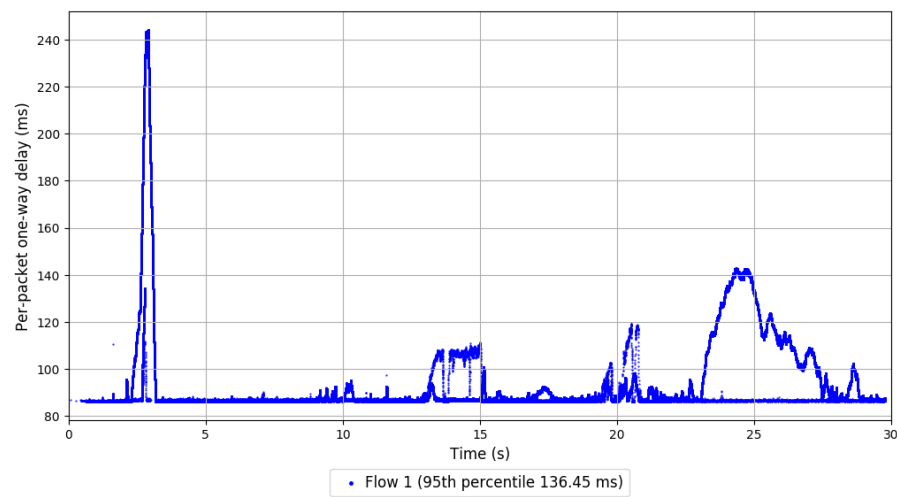
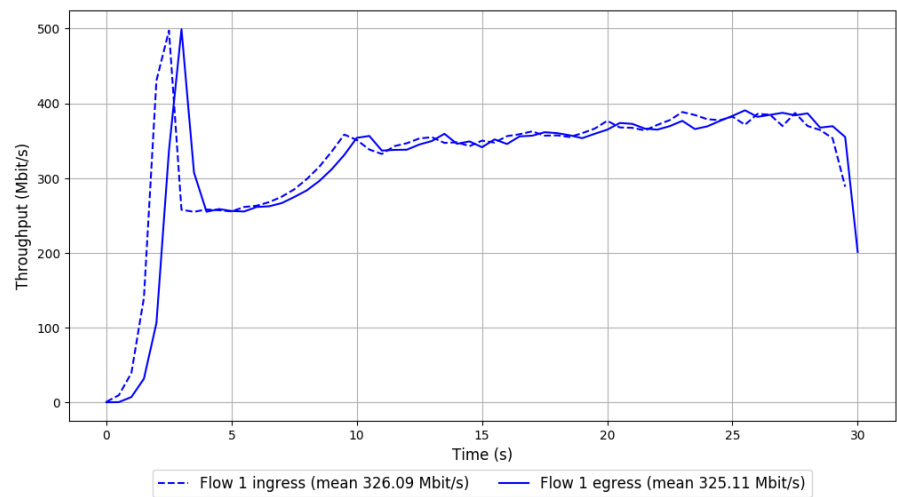
-- Flow 1:

Average throughput: 325.11 Mbit/s

95th percentile per-packet one-way delay: 136.453 ms

Loss rate: 0.98%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-04 00:21:11

End at: 2018-07-04 00:21:41

Local clock offset: -0.003 ms

Remote clock offset: 1.158 ms

Below is generated by plot.py at 2018-07-04 02:31:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.15 Mbit/s

95th percentile per-packet one-way delay: 129.291 ms

Loss rate: 1.00%

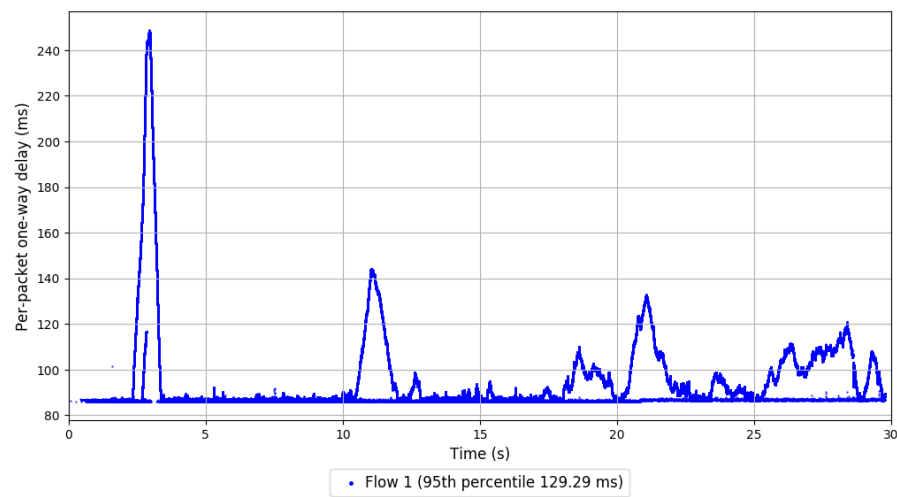
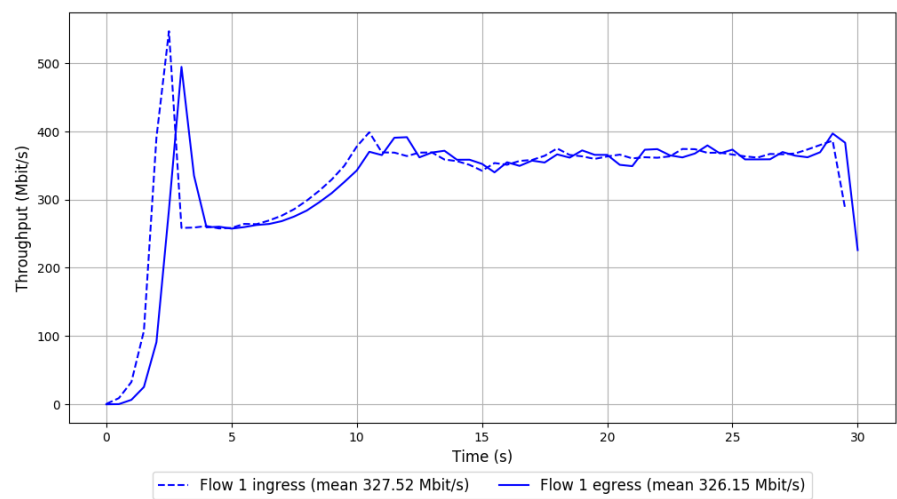
-- Flow 1:

Average throughput: 326.15 Mbit/s

95th percentile per-packet one-way delay: 129.291 ms

Loss rate: 1.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-04 00:43:05

End at: 2018-07-04 00:43:35

Local clock offset: 0.098 ms

Remote clock offset: 0.557 ms

Below is generated by plot.py at 2018-07-04 02:33:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.98 Mbit/s

95th percentile per-packet one-way delay: 148.506 ms

Loss rate: 1.05%

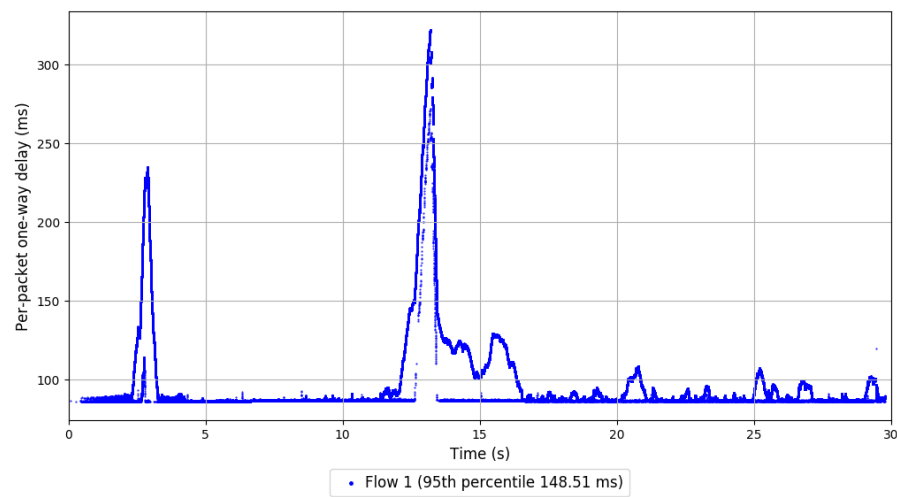
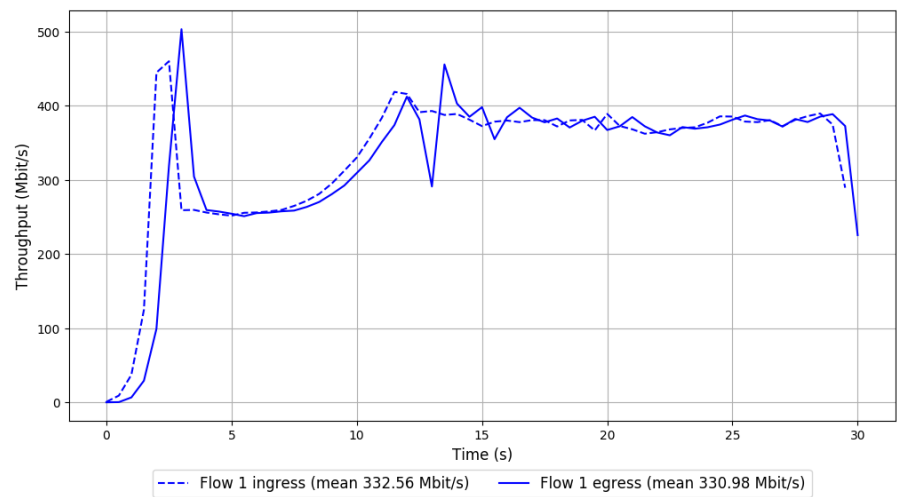
-- Flow 1:

Average throughput: 330.98 Mbit/s

95th percentile per-packet one-way delay: 148.506 ms

Loss rate: 1.05%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

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

End at: 2018-07-04 01:05:16

Local clock offset: 0.163 ms

Remote clock offset: -0.535 ms

Below is generated by plot.py at 2018-07-04 02:33:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.12 Mbit/s

95th percentile per-packet one-way delay: 142.629 ms

Loss rate: 1.23%

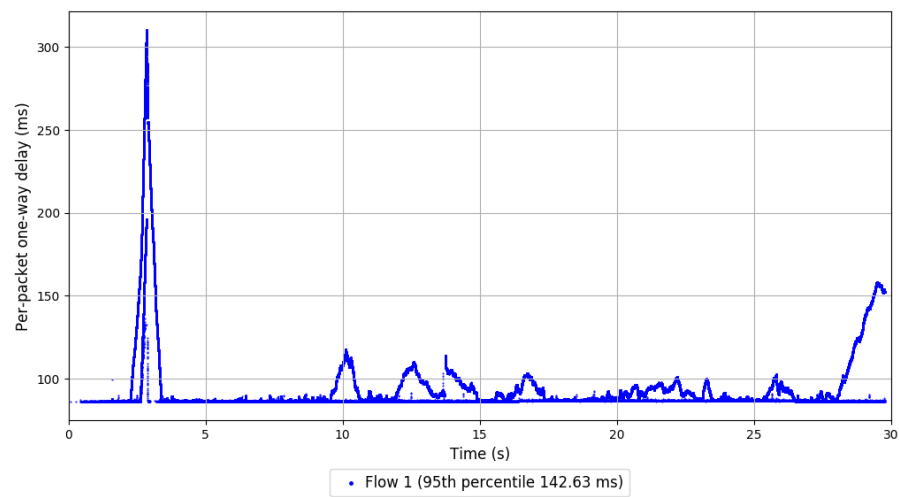
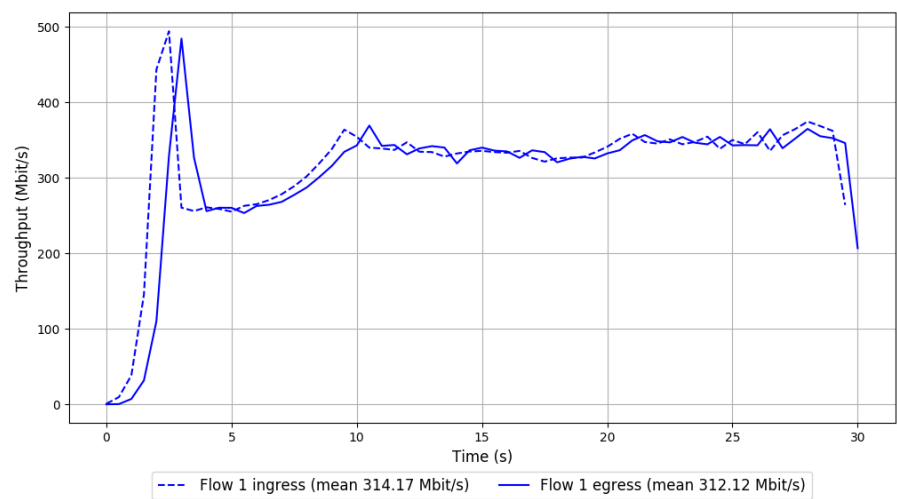
-- Flow 1:

Average throughput: 312.12 Mbit/s

95th percentile per-packet one-way delay: 142.629 ms

Loss rate: 1.23%

Run 9: Report of PCC-Allegro — Data Link

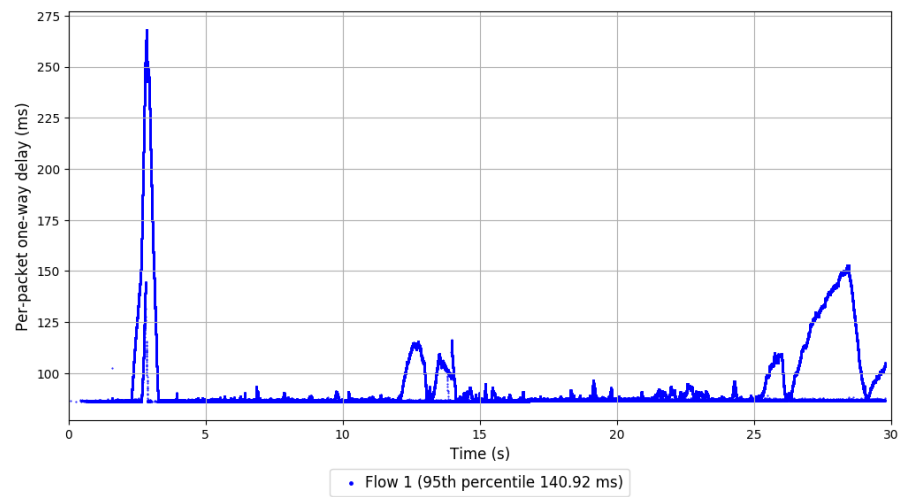
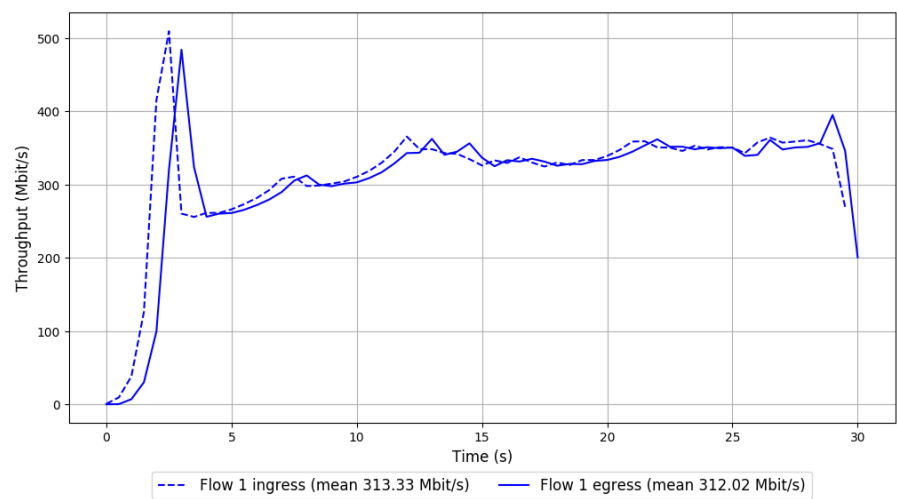


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-04 01:26:45
End at: 2018-07-04 01:27:15
Local clock offset: 0.041 ms
Remote clock offset: -0.947 ms

Below is generated by plot.py at 2018-07-04 02:33:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 312.02 Mbit/s
95th percentile per-packet one-way delay: 140.916 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 312.02 Mbit/s
95th percentile per-packet one-way delay: 140.916 ms
Loss rate: 1.00%

Run 10: Report of PCC-Allegro — Data Link

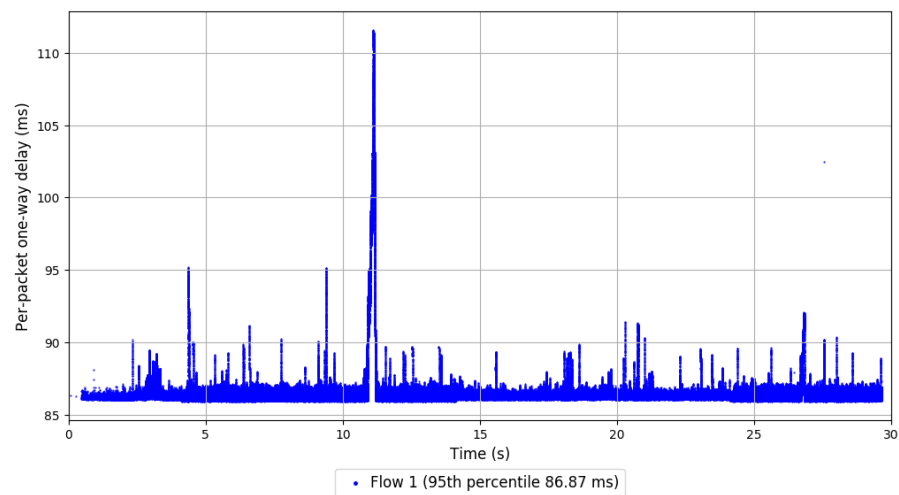
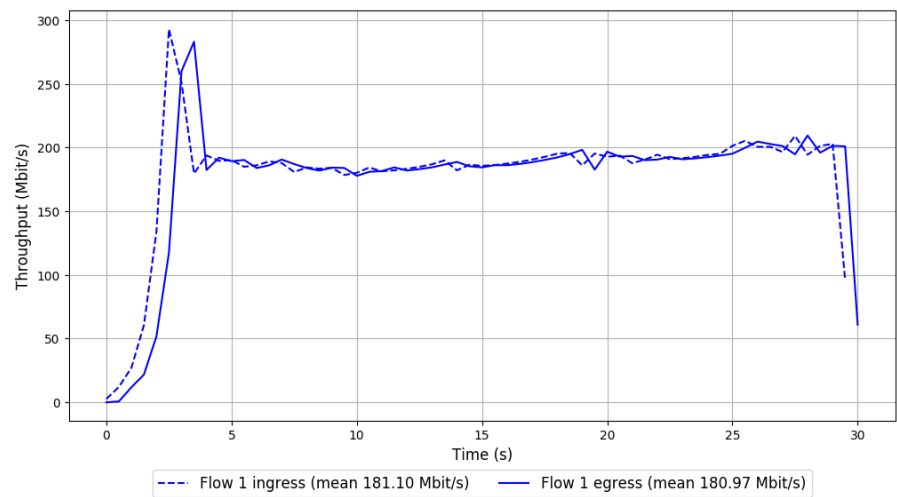


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-03 22:09:28
End at: 2018-07-03 22:09:58
Local clock offset: -0.127 ms
Remote clock offset: 0.334 ms

# Below is generated by plot.py at 2018-07-04 02:34:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.97 Mbit/s
95th percentile per-packet one-way delay: 86.866 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 180.97 Mbit/s
95th percentile per-packet one-way delay: 86.866 ms
Loss rate: 0.65%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-03 22:31:05

End at: 2018-07-03 22:31:35

Local clock offset: -0.017 ms

Remote clock offset: 0.499 ms

Below is generated by plot.py at 2018-07-04 02:35:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.73 Mbit/s

95th percentile per-packet one-way delay: 87.031 ms

Loss rate: 0.79%

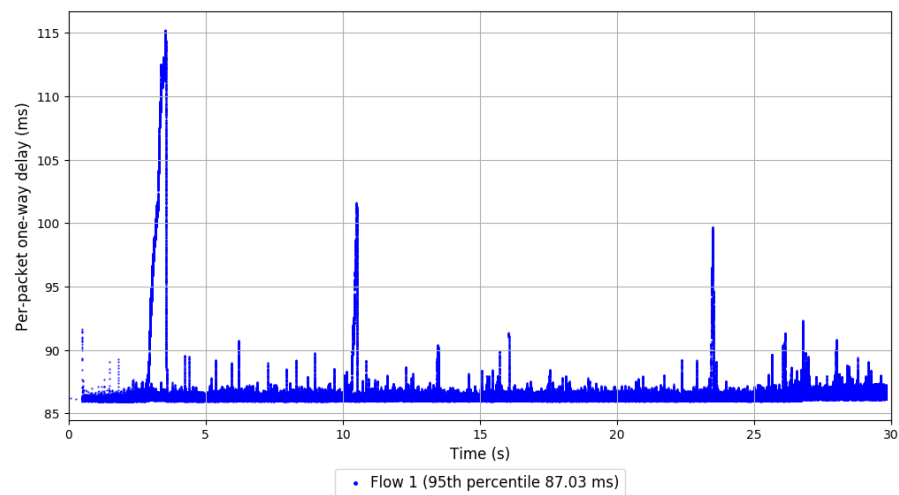
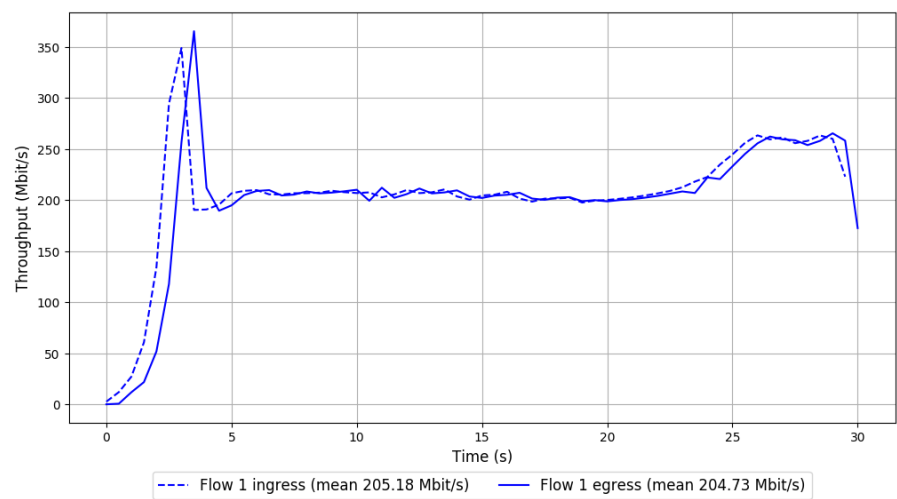
-- Flow 1:

Average throughput: 204.73 Mbit/s

95th percentile per-packet one-way delay: 87.031 ms

Loss rate: 0.79%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-03 22:52:41

End at: 2018-07-03 22:53:11

Local clock offset: 0.084 ms

Remote clock offset: 0.612 ms

Below is generated by plot.py at 2018-07-04 02:36:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.13 Mbit/s

95th percentile per-packet one-way delay: 87.448 ms

Loss rate: 0.63%

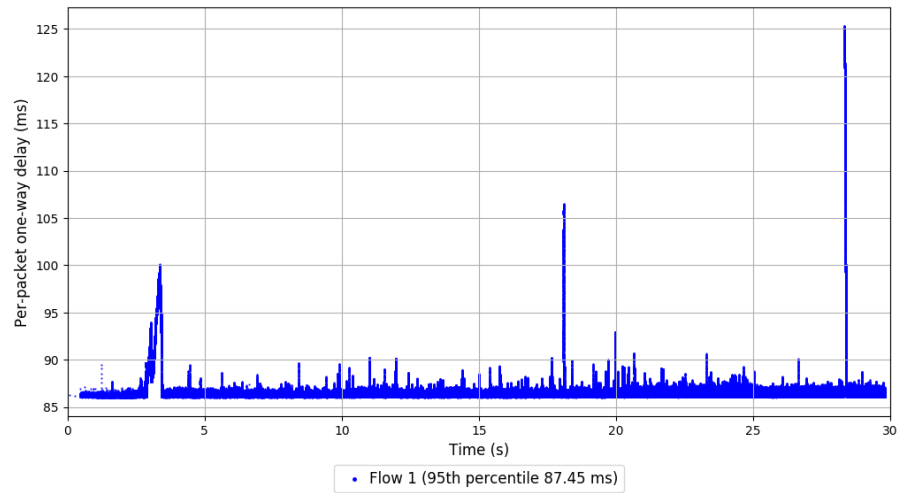
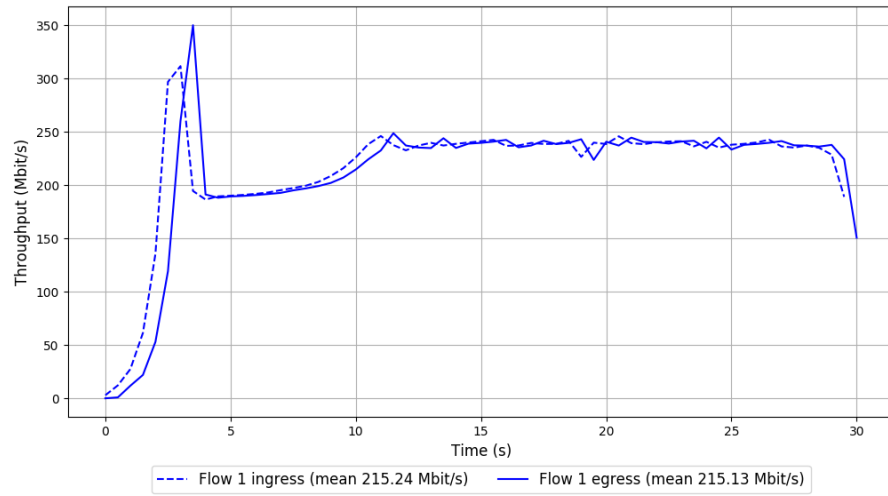
-- Flow 1:

Average throughput: 215.13 Mbit/s

95th percentile per-packet one-way delay: 87.448 ms

Loss rate: 0.63%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-03 23:14:31

End at: 2018-07-03 23:15:01

Local clock offset: -0.075 ms

Remote clock offset: 0.743 ms

Below is generated by plot.py at 2018-07-04 02:36:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.40 Mbit/s

95th percentile per-packet one-way delay: 86.713 ms

Loss rate: 0.66%

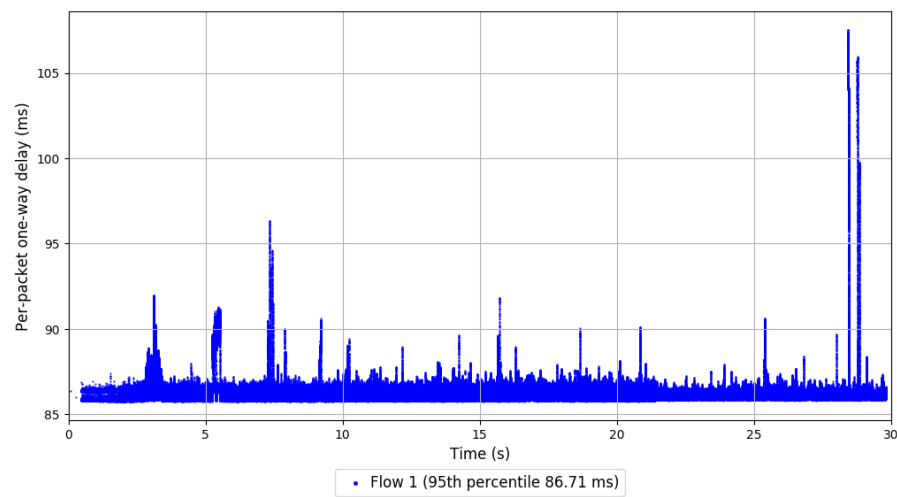
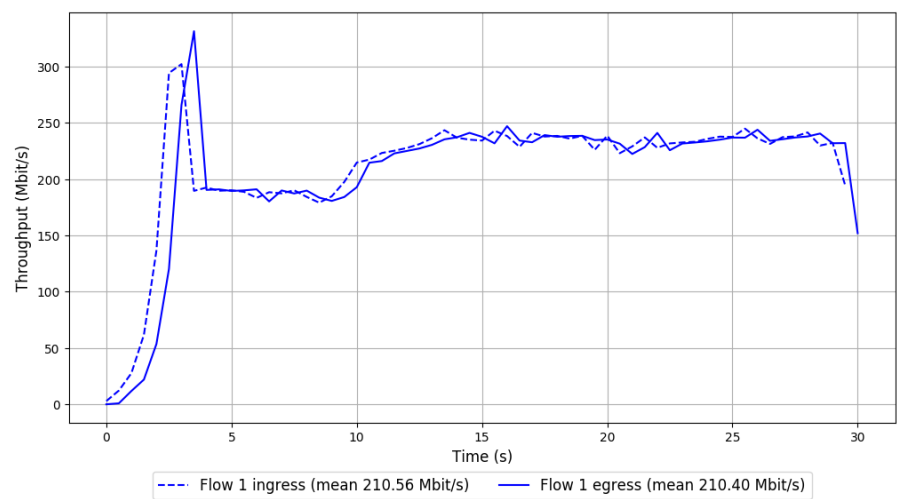
-- Flow 1:

Average throughput: 210.40 Mbit/s

95th percentile per-packet one-way delay: 86.713 ms

Loss rate: 0.66%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-03 23:36:20

End at: 2018-07-03 23:36:50

Local clock offset: 0.13 ms

Remote clock offset: 0.843 ms

Below is generated by plot.py at 2018-07-04 02:39:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.56 Mbit/s

95th percentile per-packet one-way delay: 89.937 ms

Loss rate: 0.74%

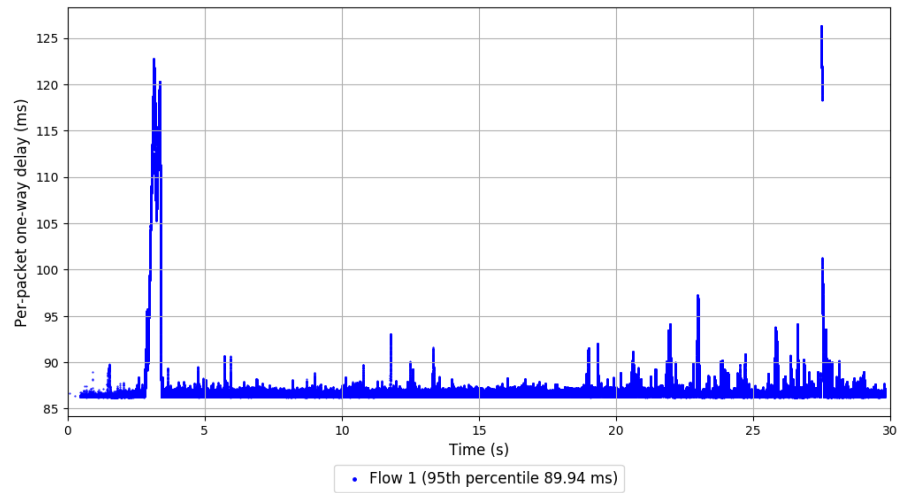
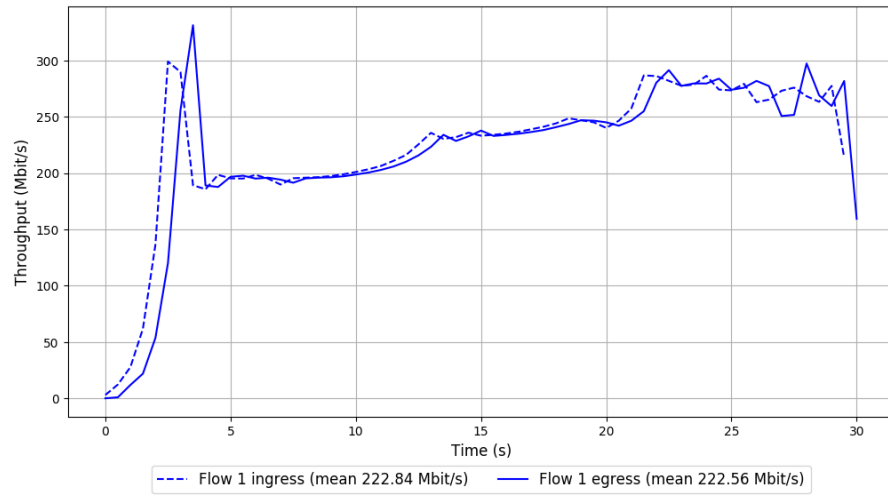
-- Flow 1:

Average throughput: 222.56 Mbit/s

95th percentile per-packet one-way delay: 89.937 ms

Loss rate: 0.74%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-03 23:57:55

End at: 2018-07-03 23:58:25

Local clock offset: -0.019 ms

Remote clock offset: 0.986 ms

Below is generated by plot.py at 2018-07-04 02:39:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.50 Mbit/s

95th percentile per-packet one-way delay: 86.889 ms

Loss rate: 0.71%

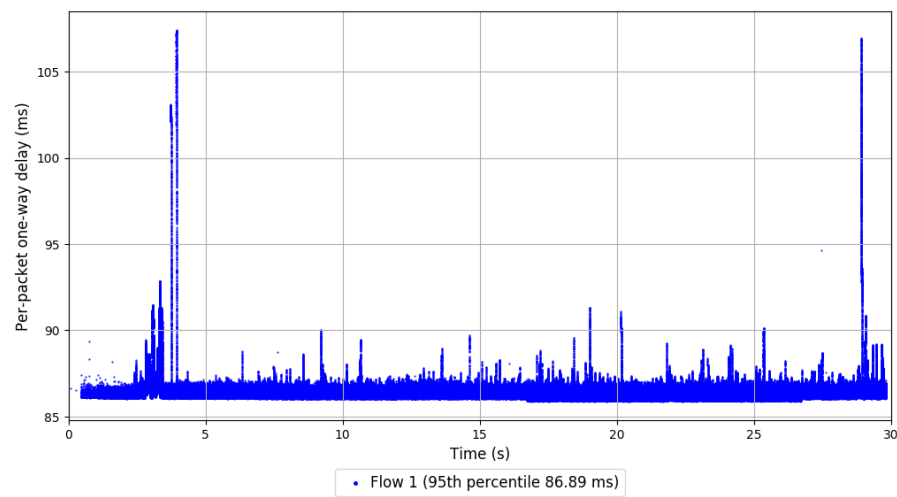
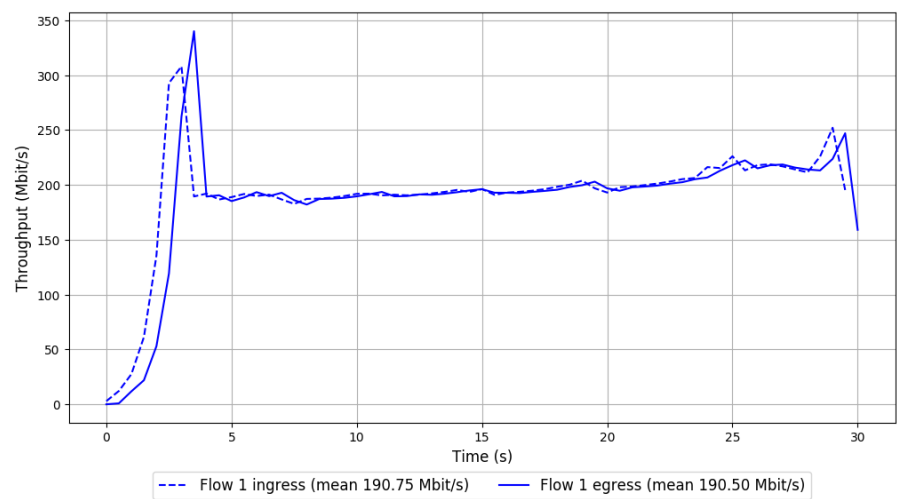
-- Flow 1:

Average throughput: 190.50 Mbit/s

95th percentile per-packet one-way delay: 86.889 ms

Loss rate: 0.71%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-04 00:19:52

End at: 2018-07-04 00:20:22

Local clock offset: -0.175 ms

Remote clock offset: 1.158 ms

Below is generated by plot.py at 2018-07-04 02:39:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.56 Mbit/s

95th percentile per-packet one-way delay: 86.819 ms

Loss rate: 1.12%

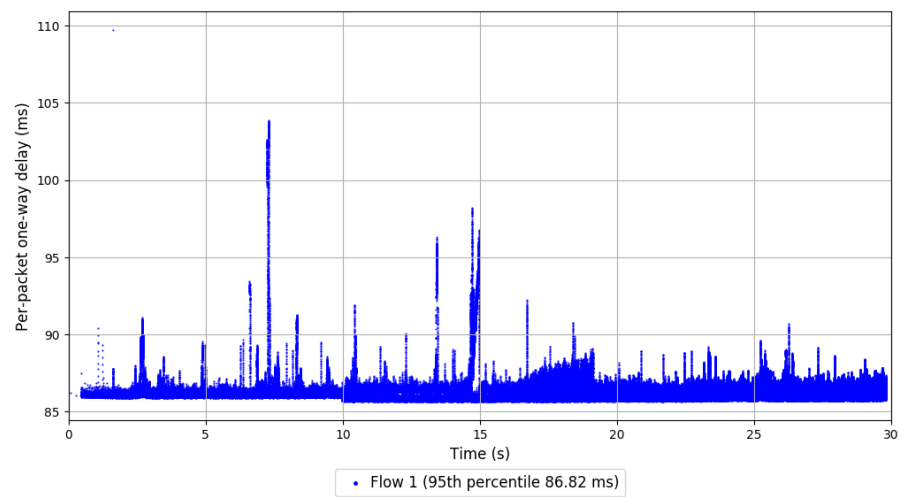
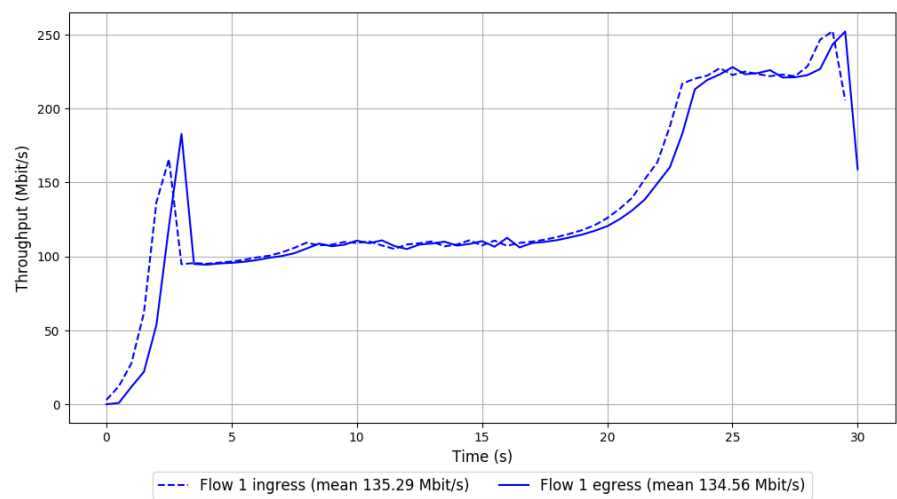
-- Flow 1:

Average throughput: 134.56 Mbit/s

95th percentile per-packet one-way delay: 86.819 ms

Loss rate: 1.12%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-04 00:41:40

End at: 2018-07-04 00:42:10

Local clock offset: -0.033 ms

Remote clock offset: 0.621 ms

Below is generated by plot.py at 2018-07-04 02:41:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.99 Mbit/s

95th percentile per-packet one-way delay: 91.210 ms

Loss rate: 0.65%

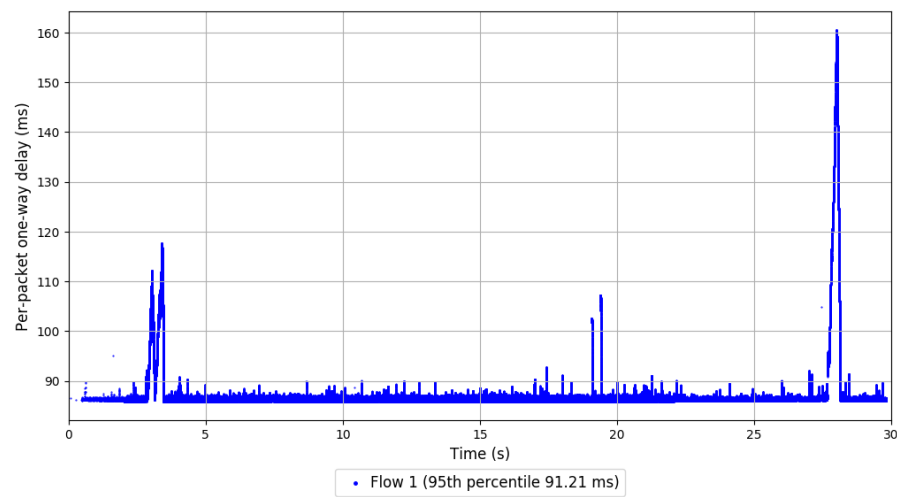
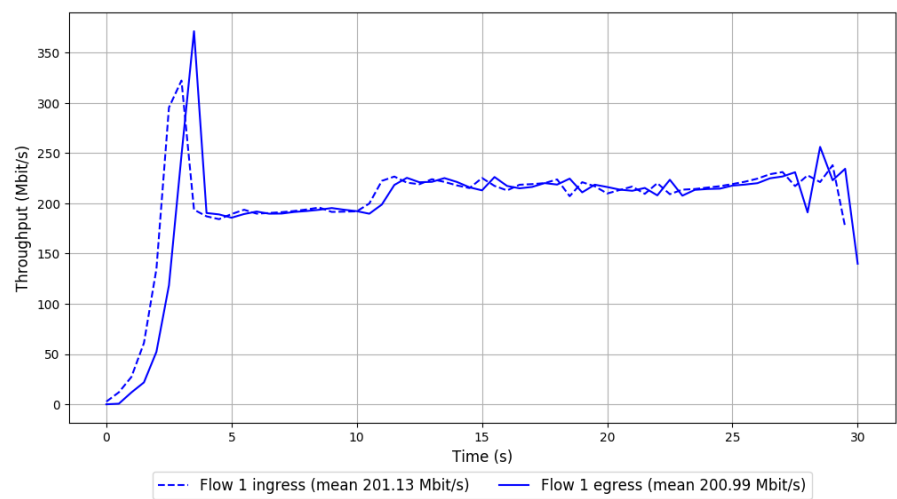
-- Flow 1:

Average throughput: 200.99 Mbit/s

95th percentile per-packet one-way delay: 91.210 ms

Loss rate: 0.65%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-04 01:03:19

End at: 2018-07-04 01:03:49

Local clock offset: -0.206 ms

Remote clock offset: -0.47 ms

Below is generated by plot.py at 2018-07-04 02:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.42 Mbit/s

95th percentile per-packet one-way delay: 133.333 ms

Loss rate: 1.90%

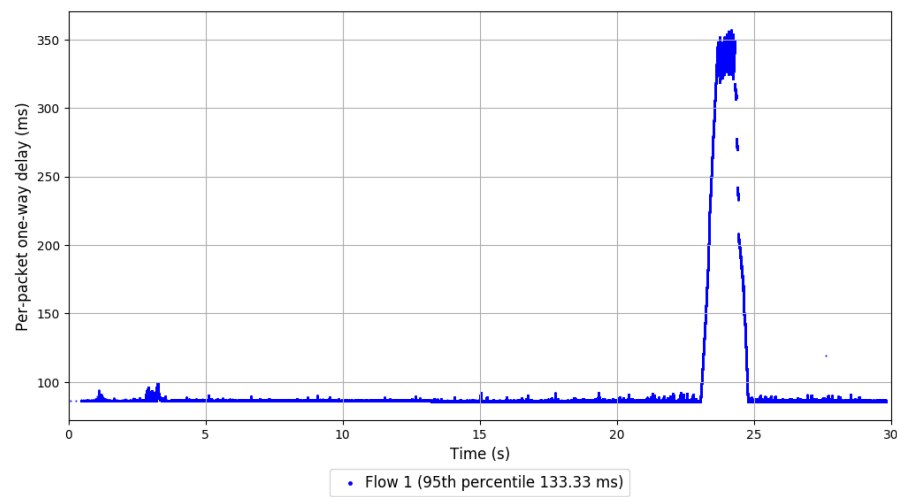
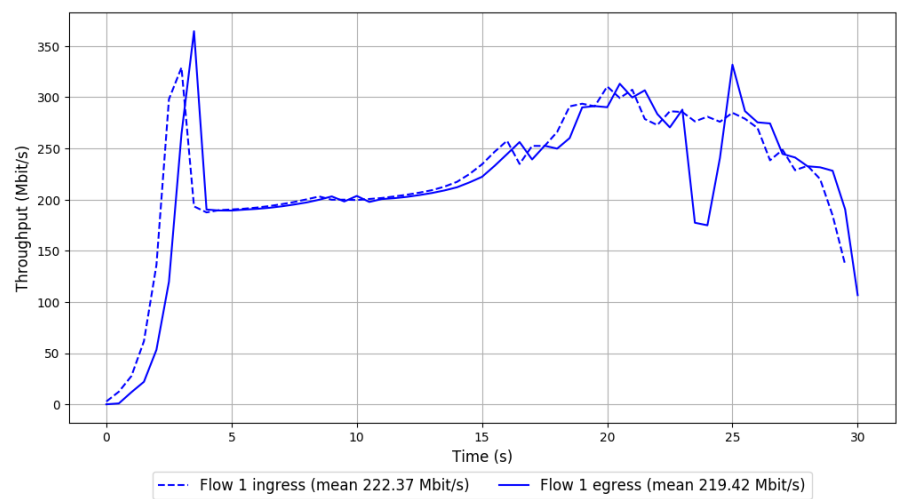
-- Flow 1:

Average throughput: 219.42 Mbit/s

95th percentile per-packet one-way delay: 133.333 ms

Loss rate: 1.90%

Run 9: Report of PCC-Expr — Data Link

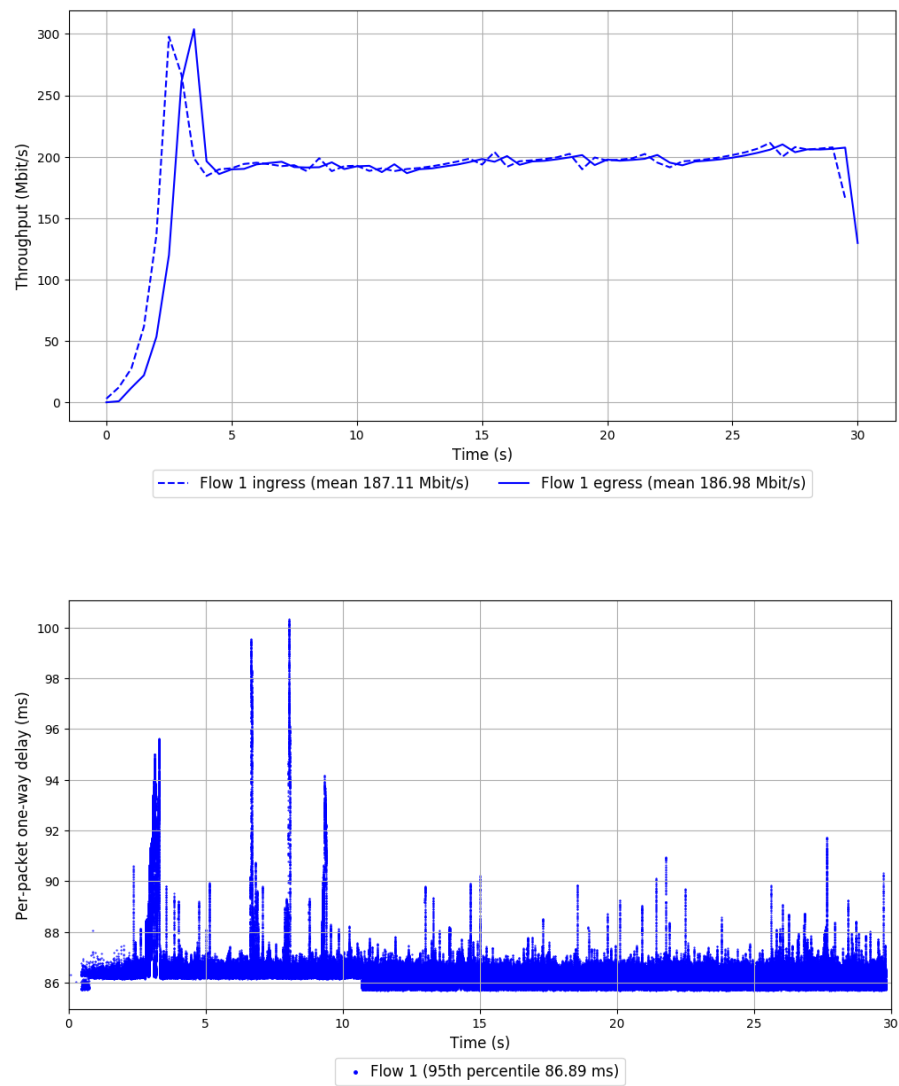


Run 10: Statistics of PCC-Expr

Start at: 2018-07-04 01:25:21
End at: 2018-07-04 01:25:51
Local clock offset: -0.2 ms
Remote clock offset: -0.894 ms

Below is generated by plot.py at 2018-07-04 02:42:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.98 Mbit/s
95th percentile per-packet one-way delay: 86.892 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 186.98 Mbit/s
95th percentile per-packet one-way delay: 86.892 ms
Loss rate: 0.65%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

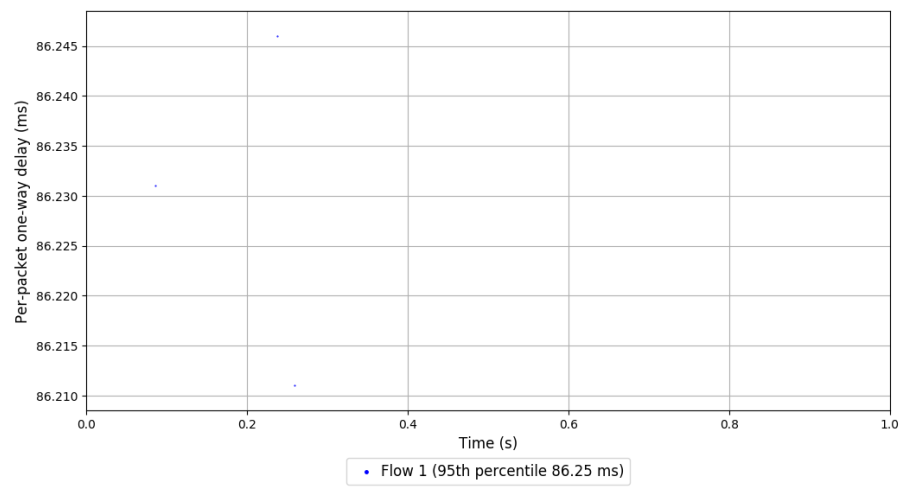
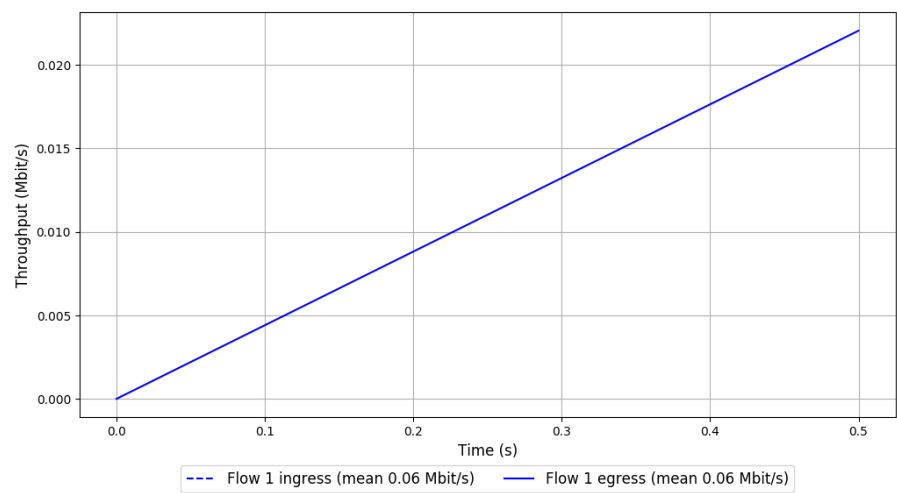
Start at: 2018-07-03 22:03:17

End at: 2018-07-03 22:03:47

Local clock offset: -0.033 ms

Remote clock offset: 0.284 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-03 22:25:05

End at: 2018-07-03 22:25:35

Local clock offset: -0.034 ms

Remote clock offset: 0.447 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.24 Mbit/s

95th percentile per-packet one-way delay: 86.392 ms

Loss rate: 0.78%

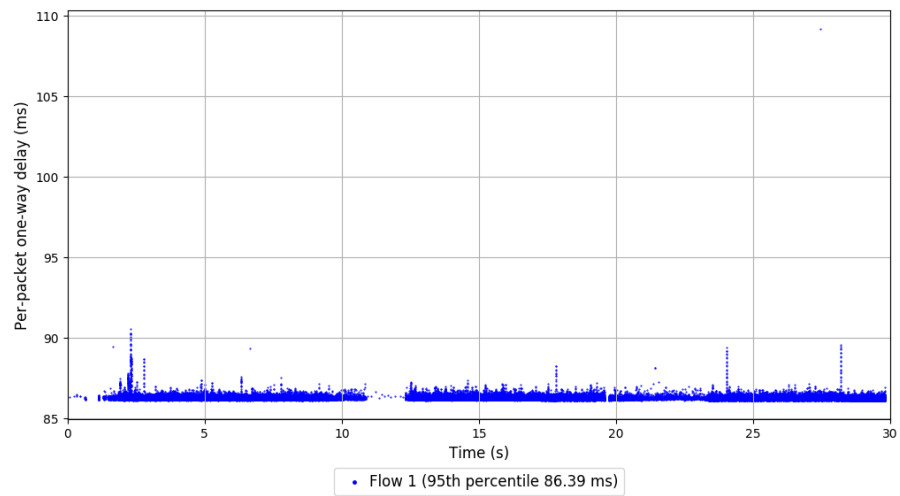
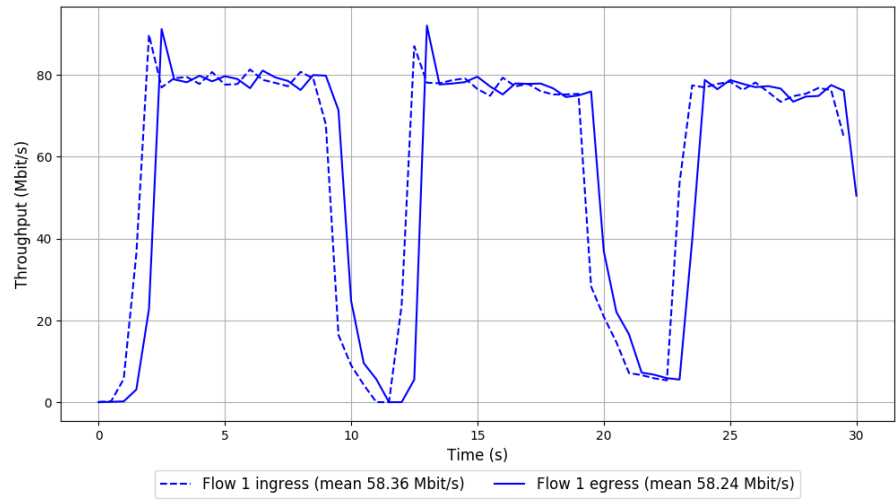
-- Flow 1:

Average throughput: 58.24 Mbit/s

95th percentile per-packet one-way delay: 86.392 ms

Loss rate: 0.78%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-03 22:46:20

End at: 2018-07-03 22:46:50

Local clock offset: 0.108 ms

Remote clock offset: 0.574 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.15 Mbit/s

95th percentile per-packet one-way delay: 86.523 ms

Loss rate: 0.78%

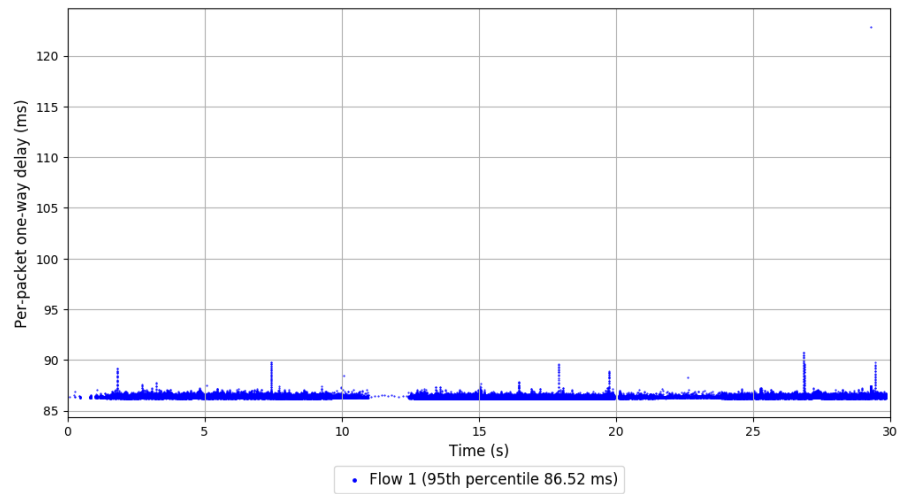
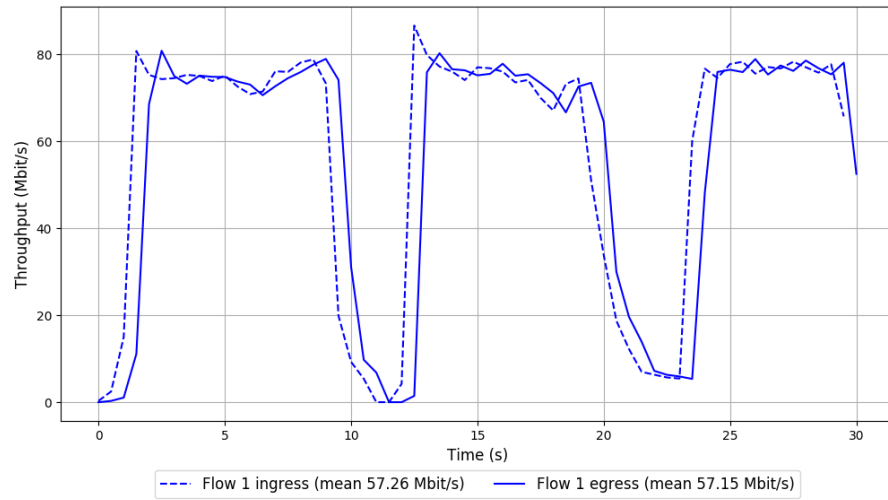
-- Flow 1:

Average throughput: 57.15 Mbit/s

95th percentile per-packet one-way delay: 86.523 ms

Loss rate: 0.78%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-03 23:08:05

End at: 2018-07-03 23:08:35

Local clock offset: 0.171 ms

Remote clock offset: 0.713 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 86.817 ms

Loss rate: 0.82%

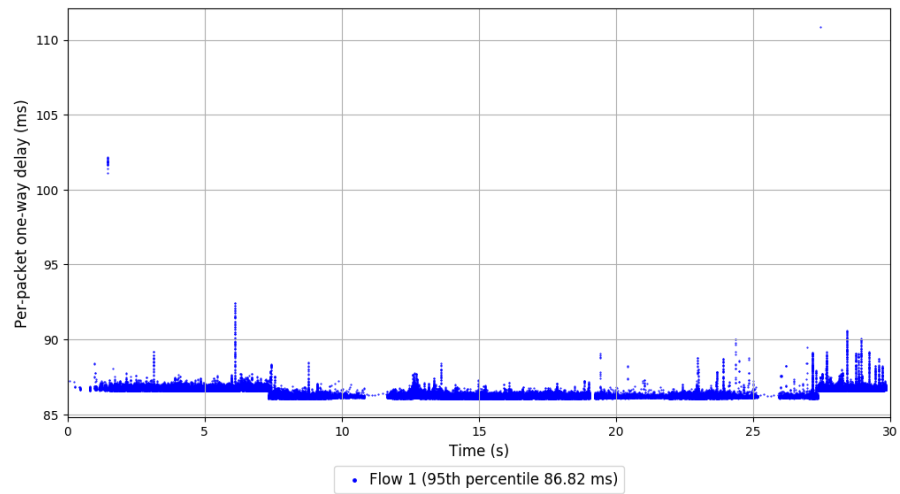
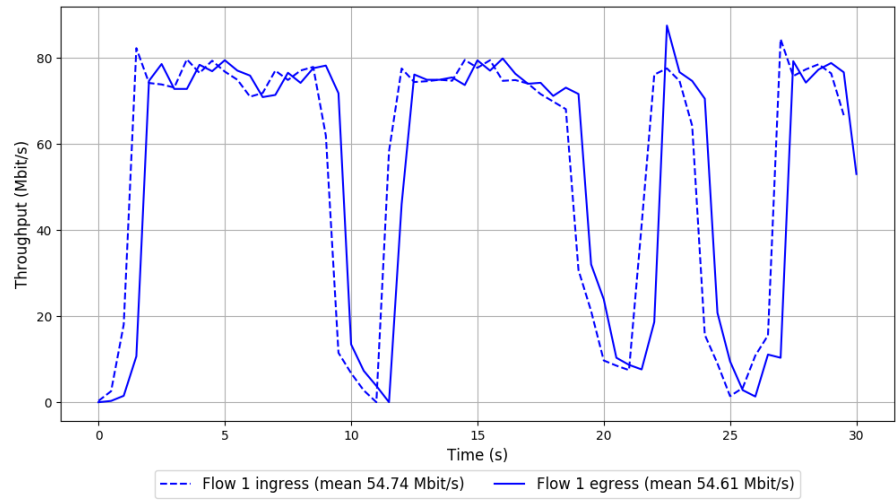
-- Flow 1:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 86.817 ms

Loss rate: 0.82%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-03 23:29:54

End at: 2018-07-03 23:30:24

Local clock offset: 0.036 ms

Remote clock offset: 0.808 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 86.297 ms

Loss rate: 0.64%

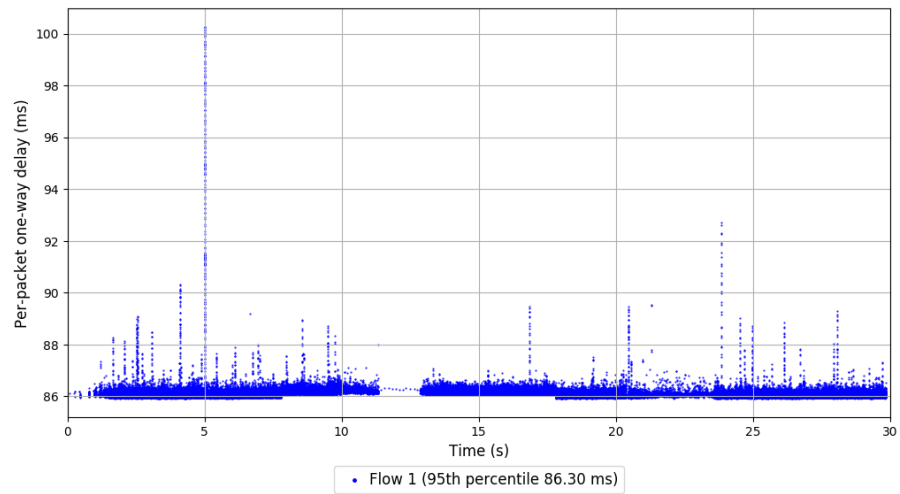
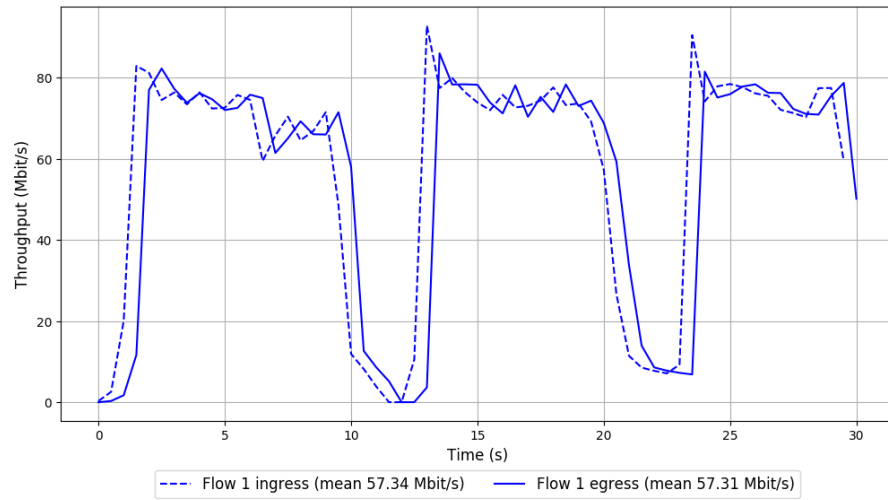
-- Flow 1:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 86.297 ms

Loss rate: 0.64%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-03 23:51:35

End at: 2018-07-03 23:52:05

Local clock offset: 0.136 ms

Remote clock offset: 1.048 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 86.298 ms

Loss rate: 0.70%

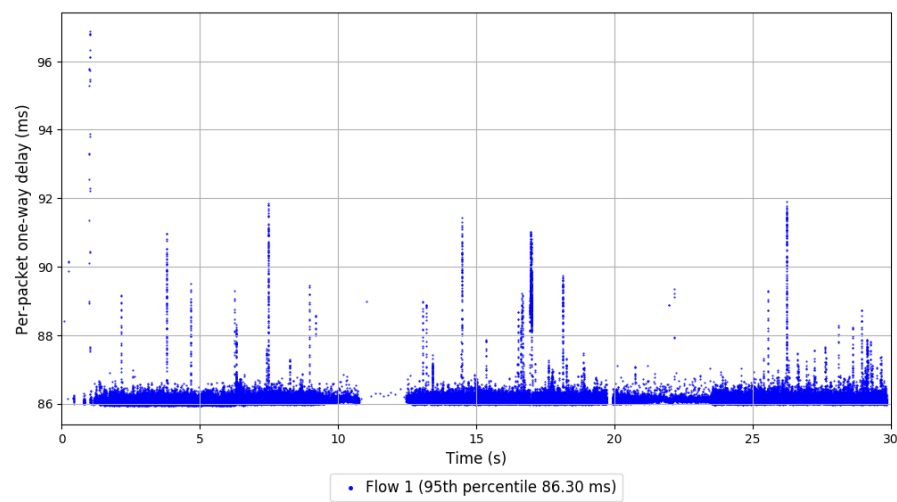
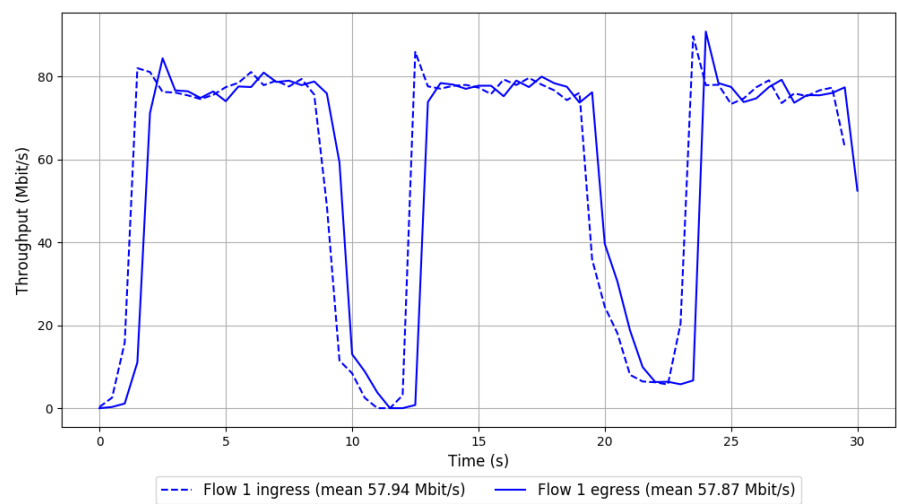
-- Flow 1:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 86.298 ms

Loss rate: 0.70%

Run 6: Report of QUIC Cubic — Data Link

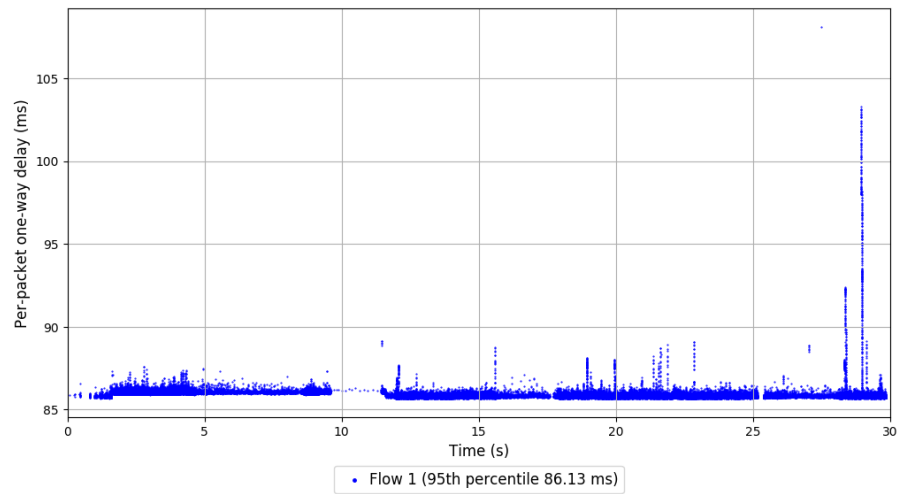
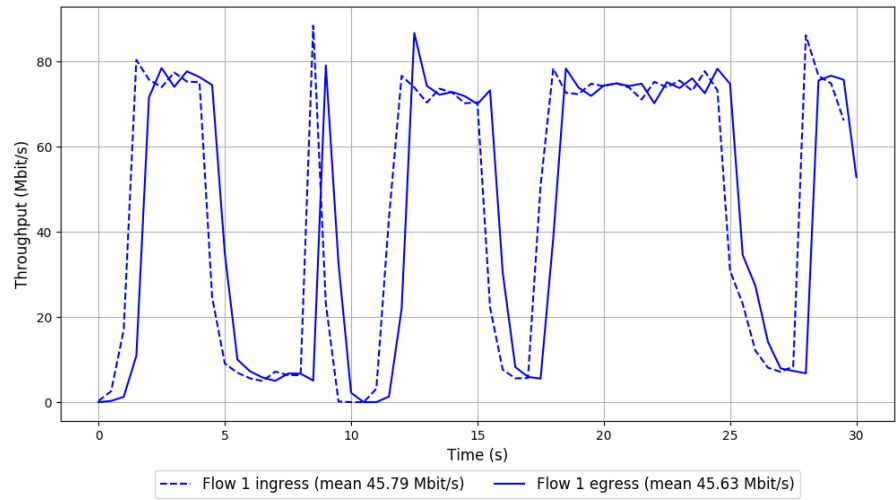


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-04 00:13:30
End at: 2018-07-04 00:14:00
Local clock offset: -0.164 ms
Remote clock offset: 1.133 ms

Below is generated by plot.py at 2018-07-04 02:42:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 86.129 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 86.129 ms
Loss rate: 0.94%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-04 00:35:14

End at: 2018-07-04 00:35:44

Local clock offset: -0.016 ms

Remote clock offset: 1.24 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.65 Mbit/s

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

Loss rate: 0.78%

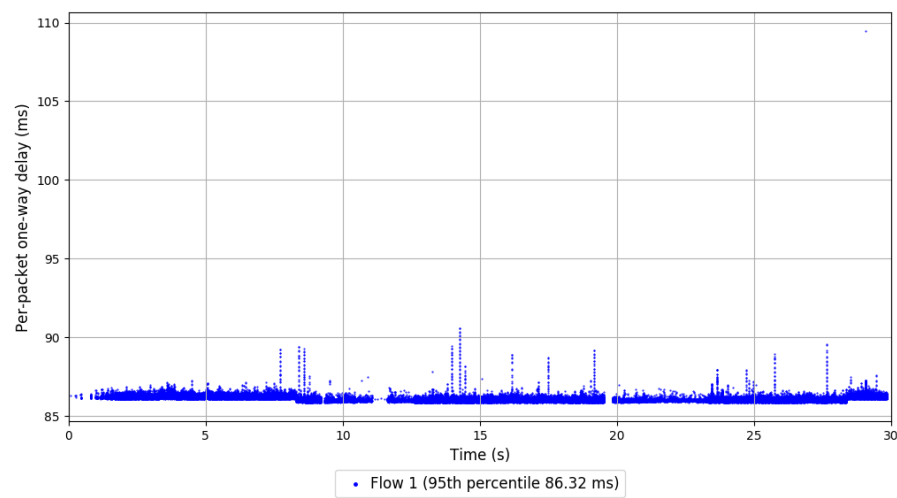
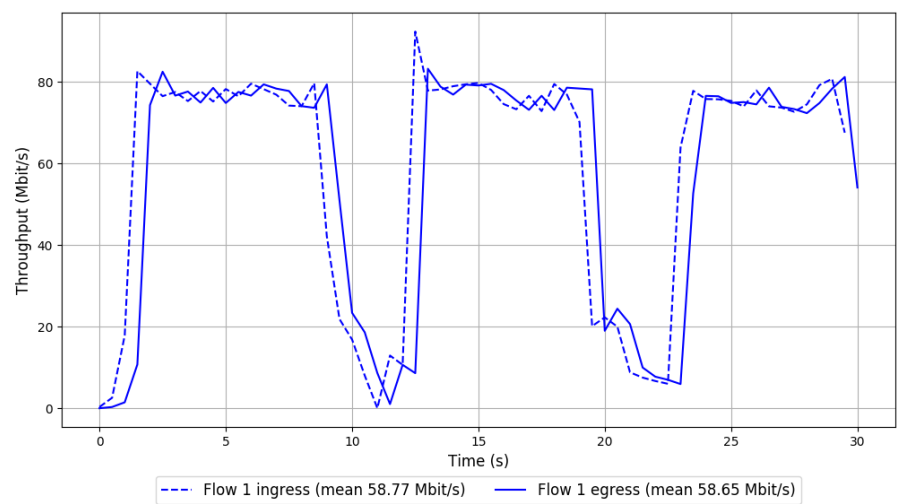
-- Flow 1:

Average throughput: 58.65 Mbit/s

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

Loss rate: 0.78%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-04 00:56:56

End at: 2018-07-04 00:57:26

Local clock offset: -0.019 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.72 Mbit/s

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

Loss rate: 0.74%

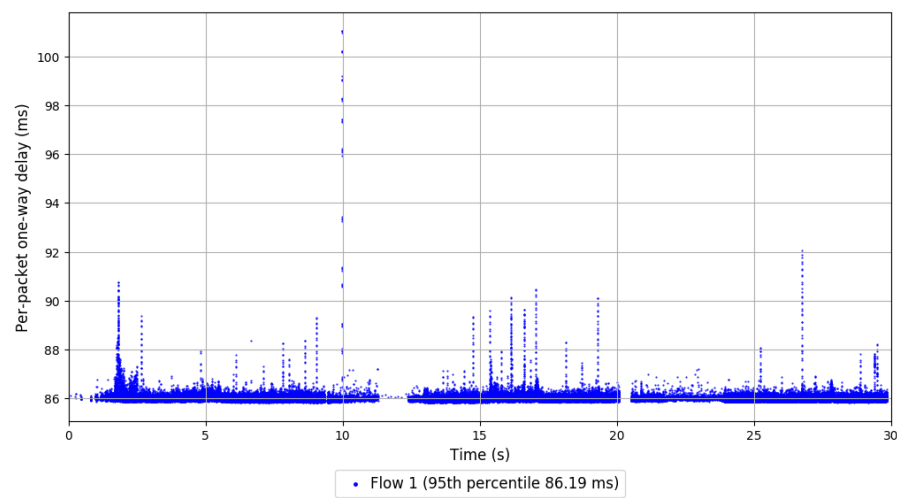
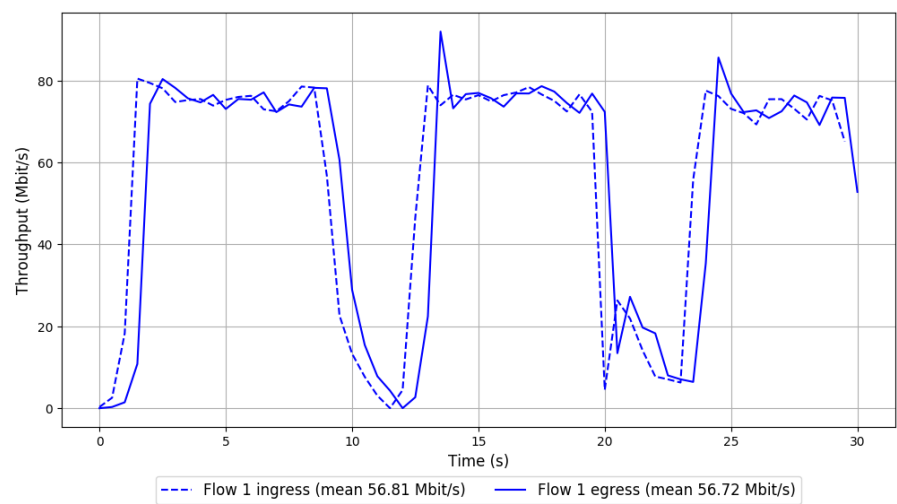
-- Flow 1:

Average throughput: 56.72 Mbit/s

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

Loss rate: 0.74%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-04 01:19:03

End at: 2018-07-04 01:19:33

Local clock offset: 0.124 ms

Remote clock offset: -0.754 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 86.410 ms

Loss rate: 0.85%

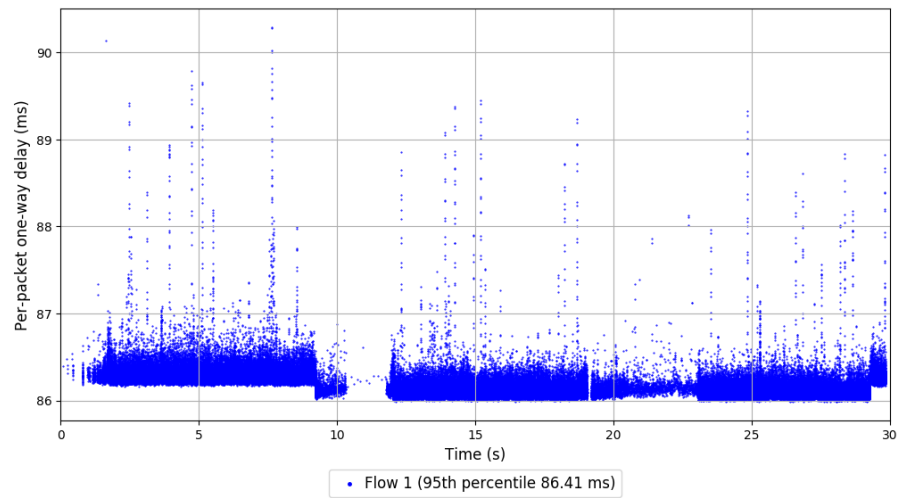
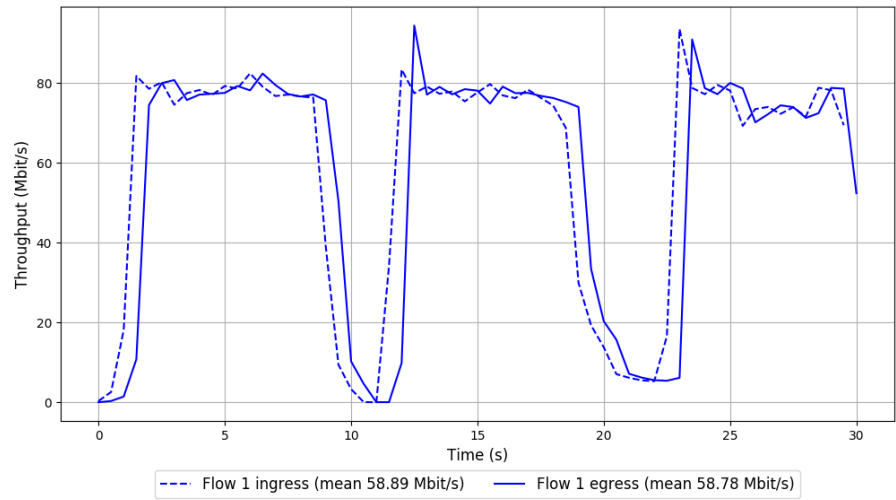
-- Flow 1:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 86.410 ms

Loss rate: 0.85%

Run 10: Report of QUIC Cubic — Data Link

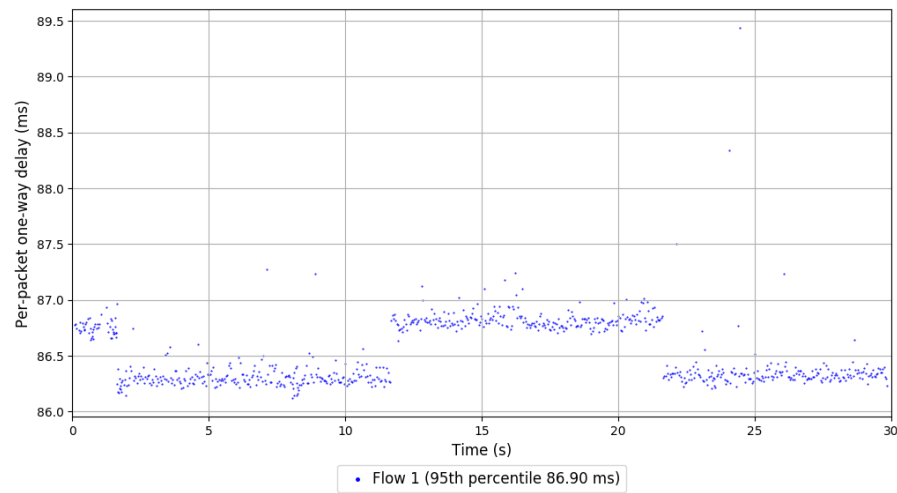
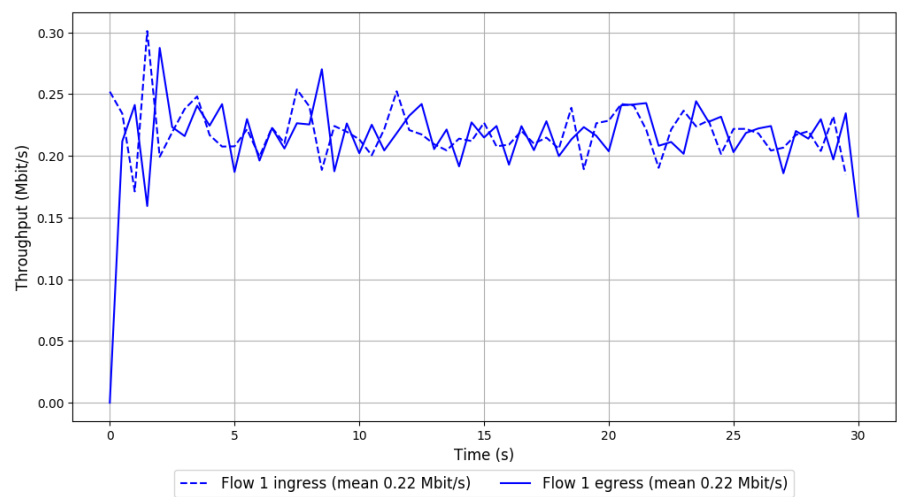


```
Run 1: Statistics of SCReAM

Start at: 2018-07-03 22:02:10
End at: 2018-07-03 22:02:40
Local clock offset: 0.063 ms
Remote clock offset: 0.294 ms

# Below is generated by plot.py at 2018-07-04 02:42:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.899 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.899 ms
Loss rate: 0.51%
```

Run 1: Report of SReAM — Data Link

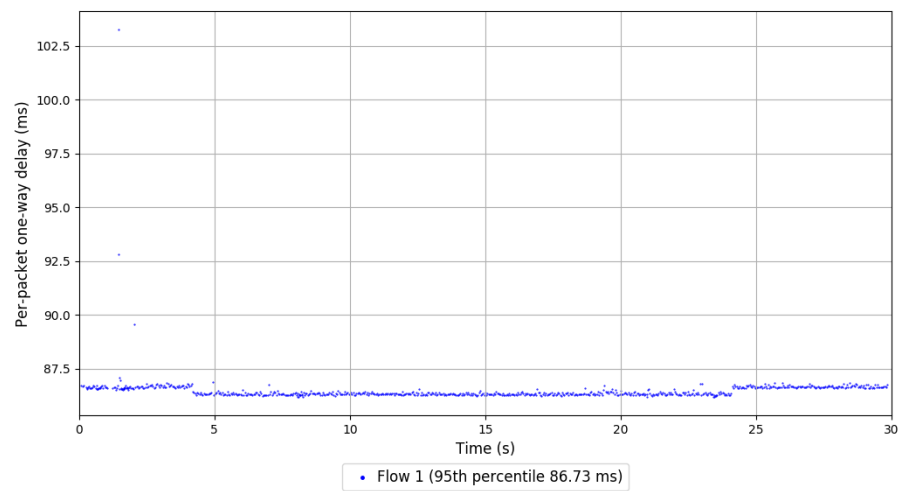
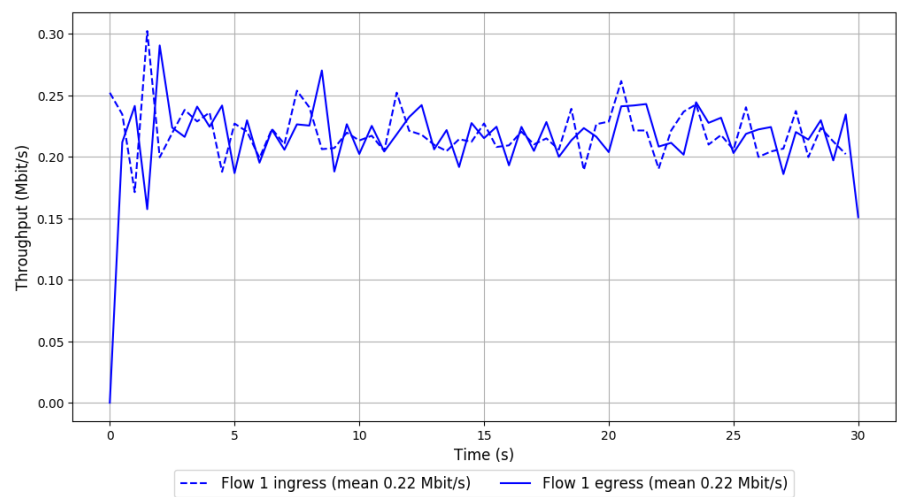


```
Run 2: Statistics of SCReAM

Start at: 2018-07-03 22:23:58
End at: 2018-07-03 22:24:28
Local clock offset: -0.07 ms
Remote clock offset: 0.43 ms

# Below is generated by plot.py at 2018-07-04 02:42:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.730 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.730 ms
Loss rate: 0.64%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-03 22:45:13

End at: 2018-07-03 22:45:43

Local clock offset: -0.226 ms

Remote clock offset: 0.537 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.066 ms

Loss rate: 0.64%

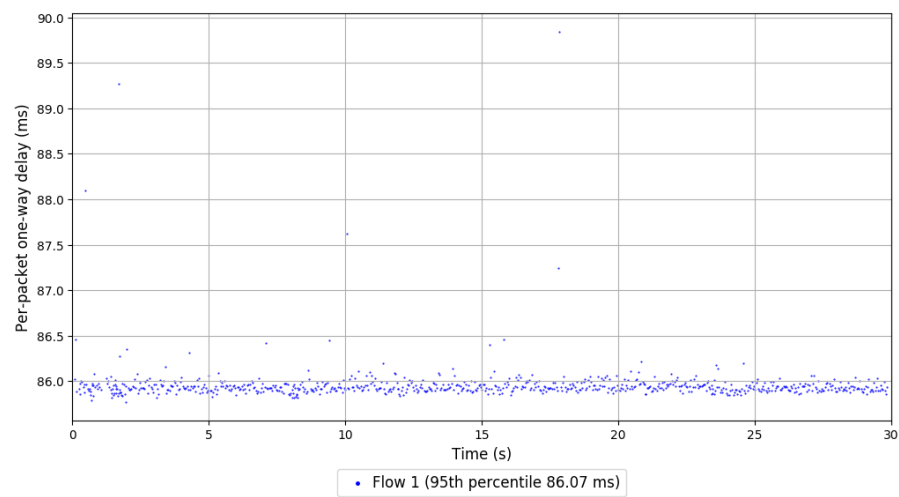
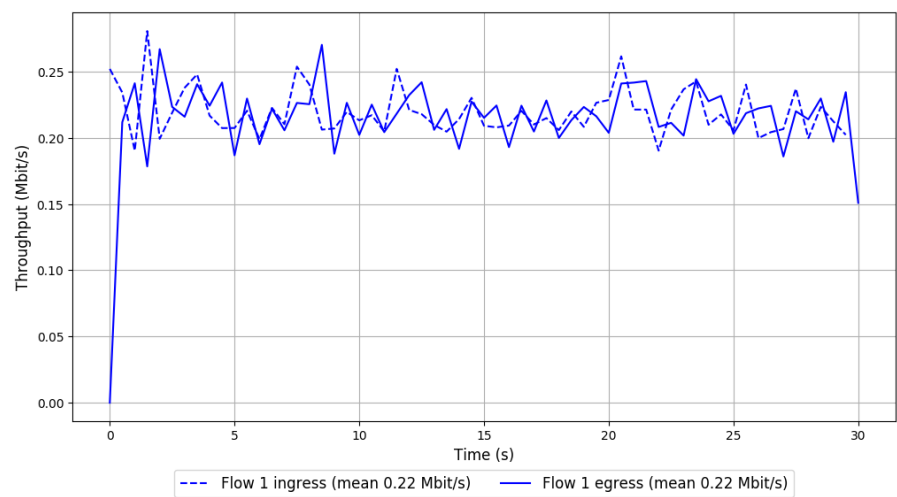
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.066 ms

Loss rate: 0.64%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-03 23:06:58

End at: 2018-07-03 23:07:28

Local clock offset: 0.004 ms

Remote clock offset: 0.678 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.360 ms

Loss rate: 0.64%

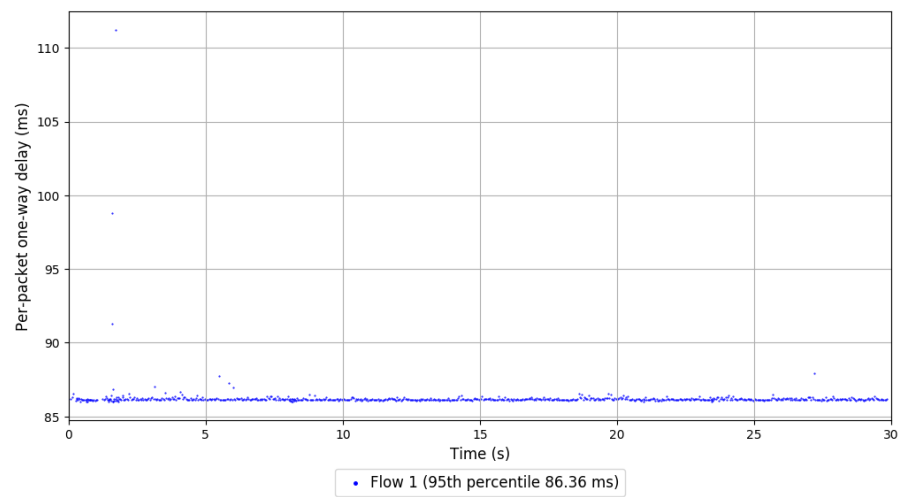
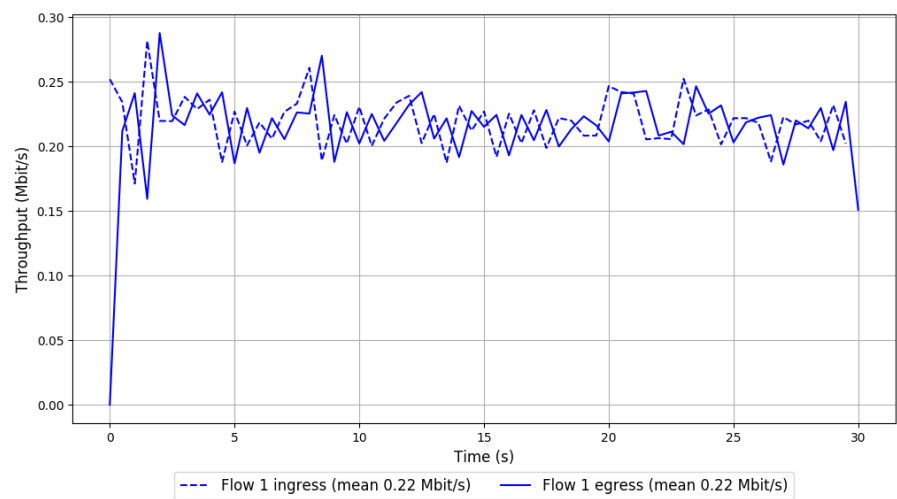
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.360 ms

Loss rate: 0.64%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-03 23:28:47

End at: 2018-07-03 23:29:17

Local clock offset: 0.072 ms

Remote clock offset: 0.855 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.433 ms

Loss rate: 0.64%

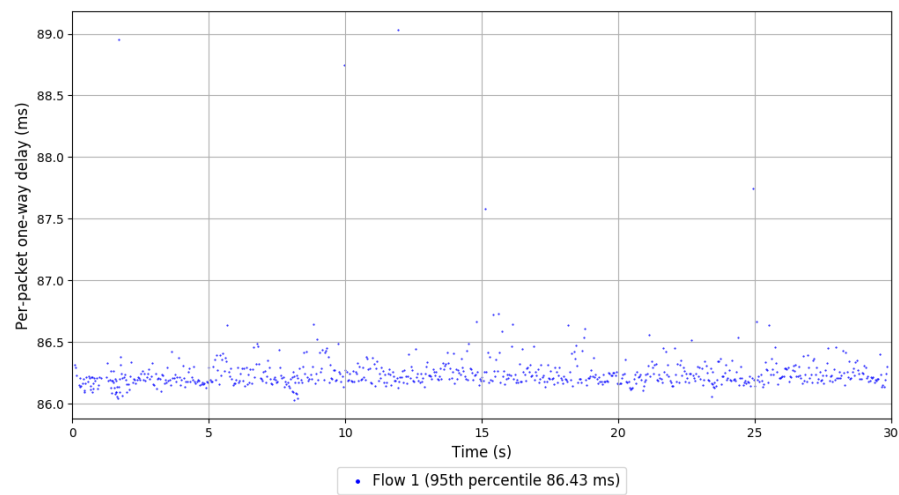
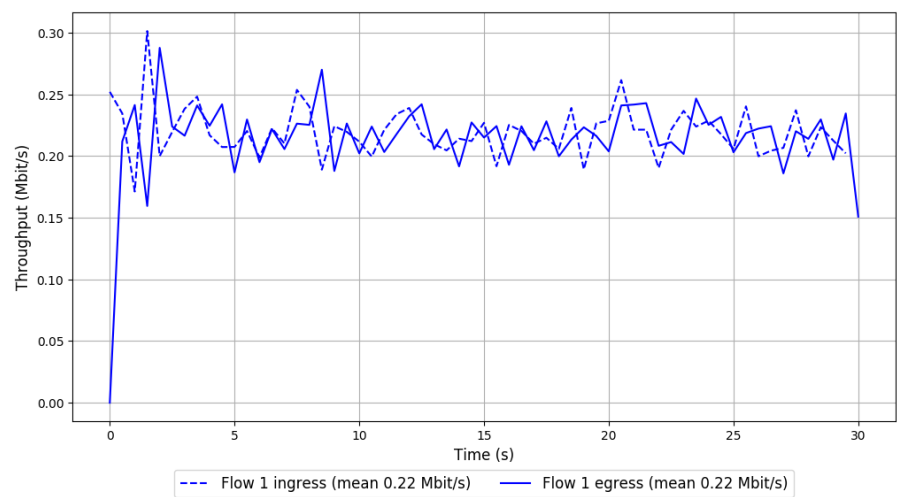
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.433 ms

Loss rate: 0.64%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-03 23:50:29

End at: 2018-07-03 23:50:59

Local clock offset: 0.083 ms

Remote clock offset: 0.954 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.859 ms

Loss rate: 0.51%

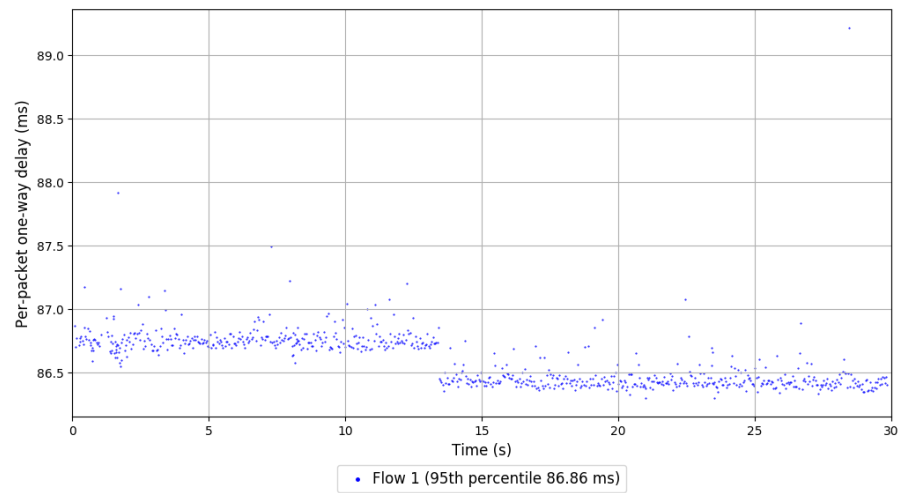
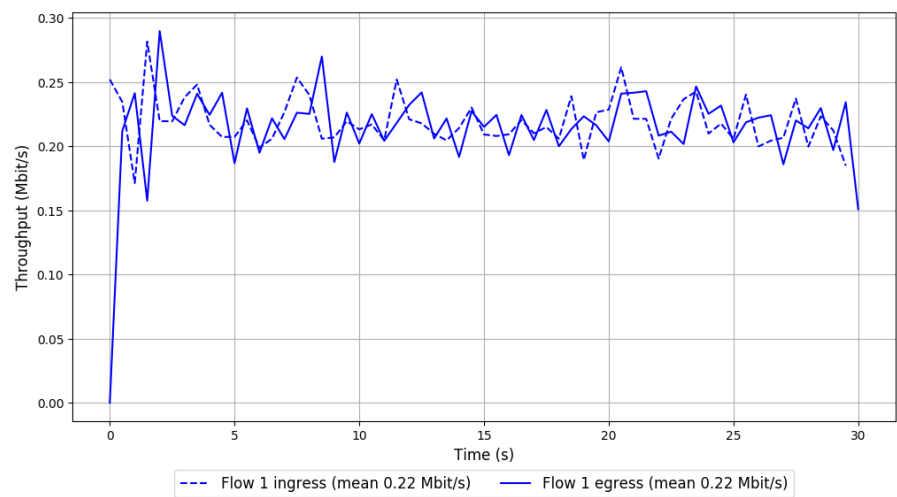
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.859 ms

Loss rate: 0.51%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-04 00:12:24

End at: 2018-07-04 00:12:54

Local clock offset: -0.051 ms

Remote clock offset: 1.124 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.771 ms

Loss rate: 0.51%

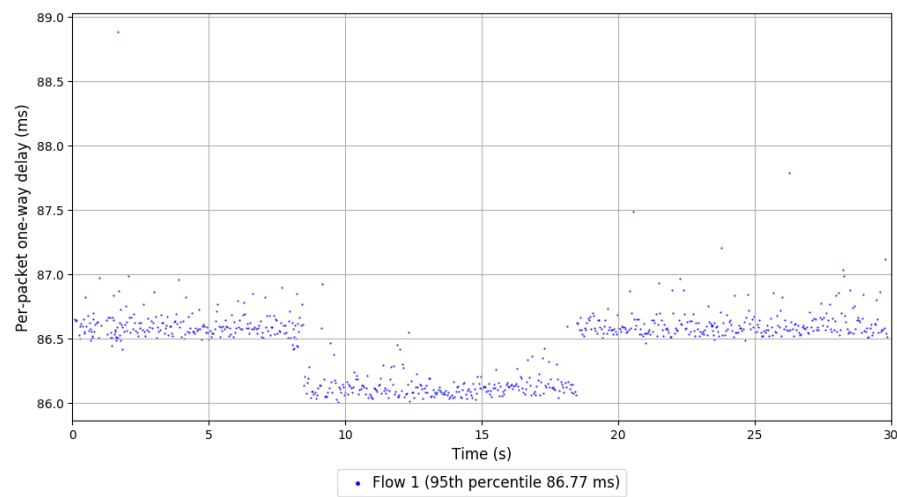
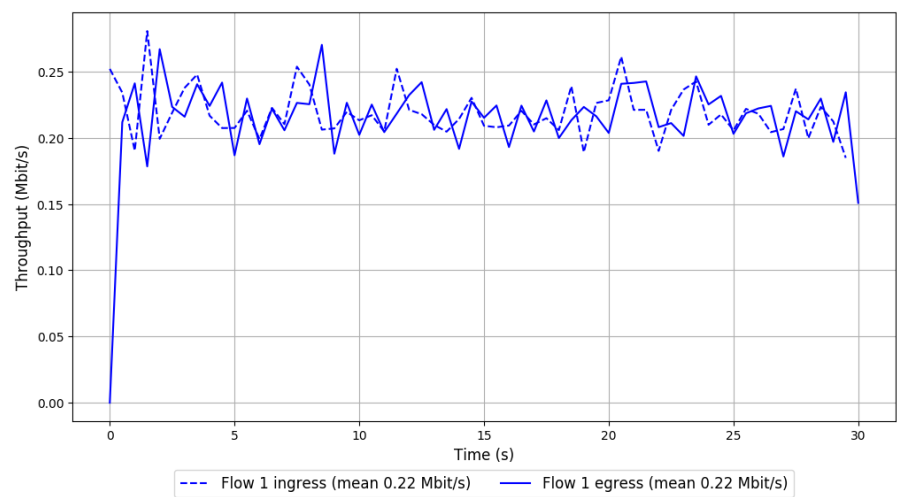
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.771 ms

Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-04 00:34:07

End at: 2018-07-04 00:34:37

Local clock offset: -0.364 ms

Remote clock offset: 1.208 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.446 ms

Loss rate: 0.51%

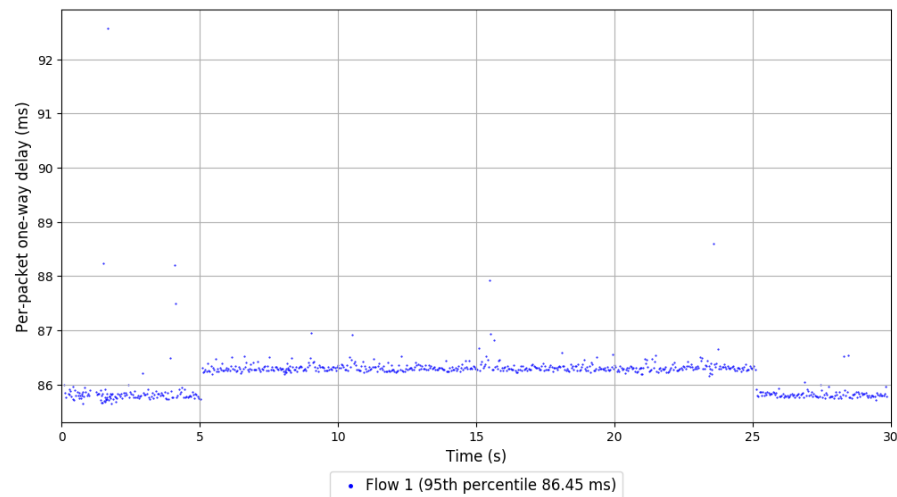
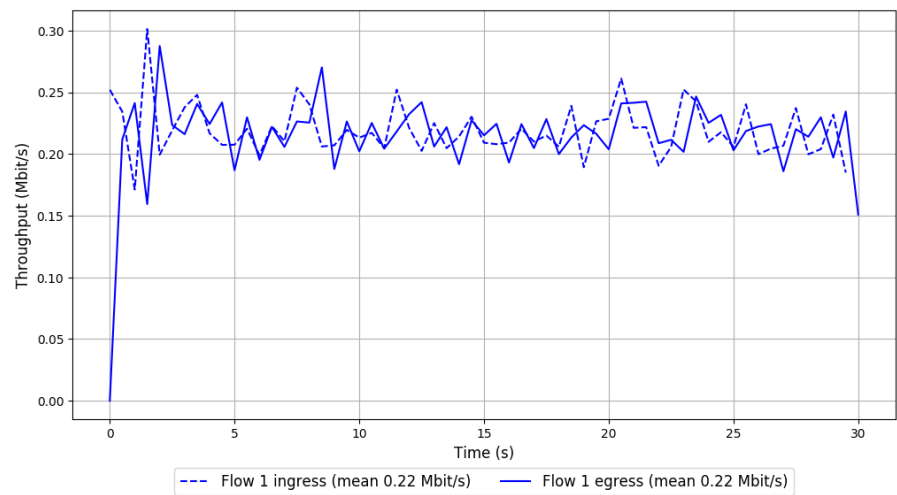
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.446 ms

Loss rate: 0.51%

Run 8: Report of SReAM — Data Link

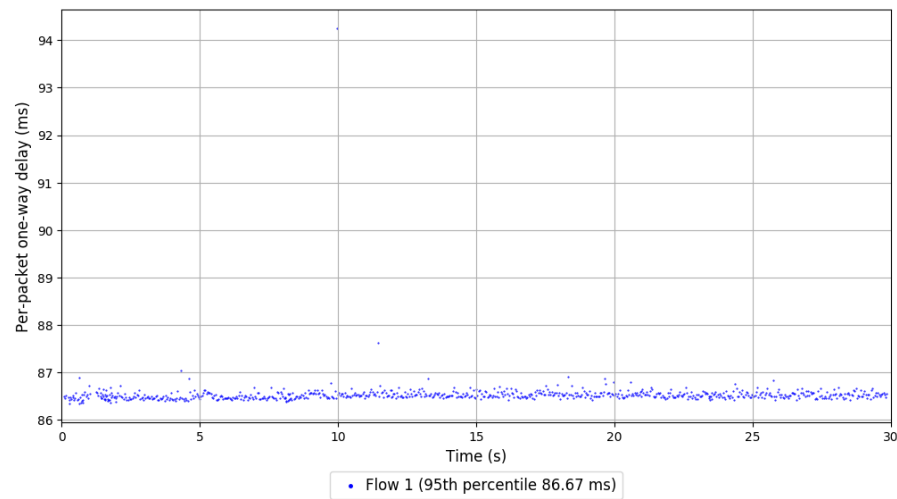
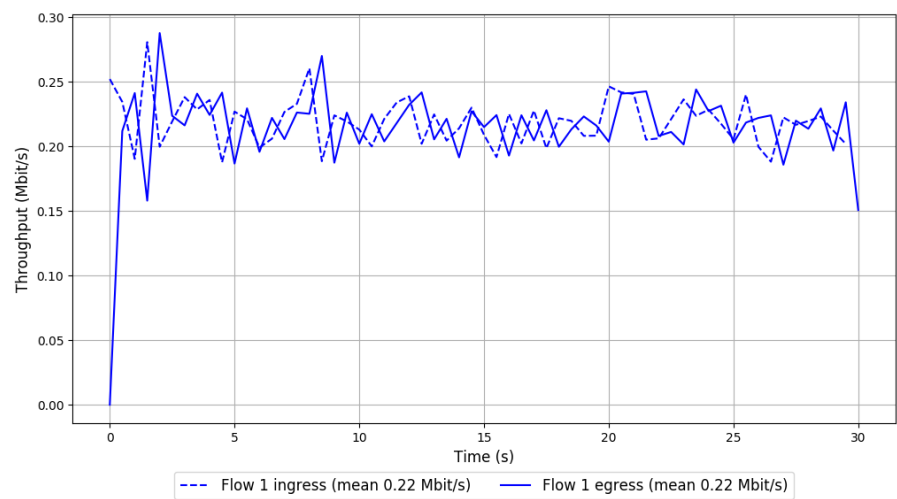


Run 9: Statistics of SCReAM

Start at: 2018-07-04 00:55:49
End at: 2018-07-04 00:56:19
Local clock offset: -0.142 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-07-04 02:42:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.668 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.668 ms
Loss rate: 0.64%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-04 01:17:56

End at: 2018-07-04 01:18:26

Local clock offset: 0.116 ms

Remote clock offset: -0.787 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.459 ms

Loss rate: 0.51%

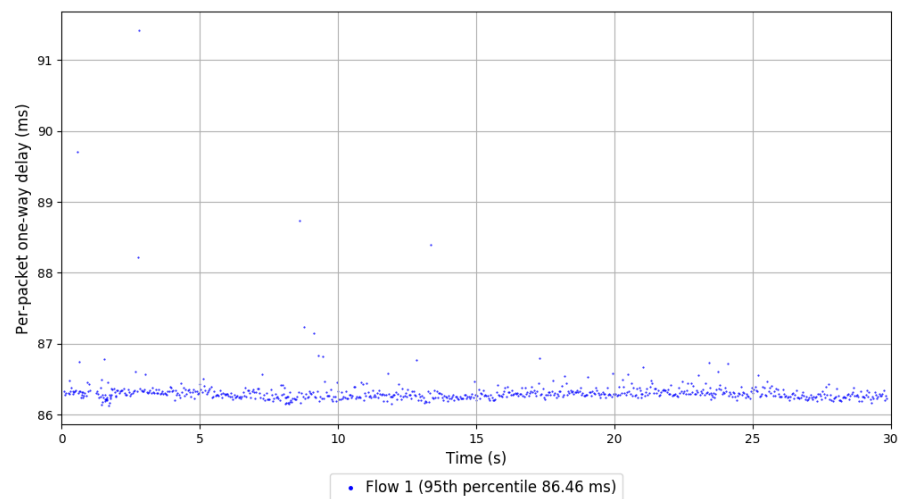
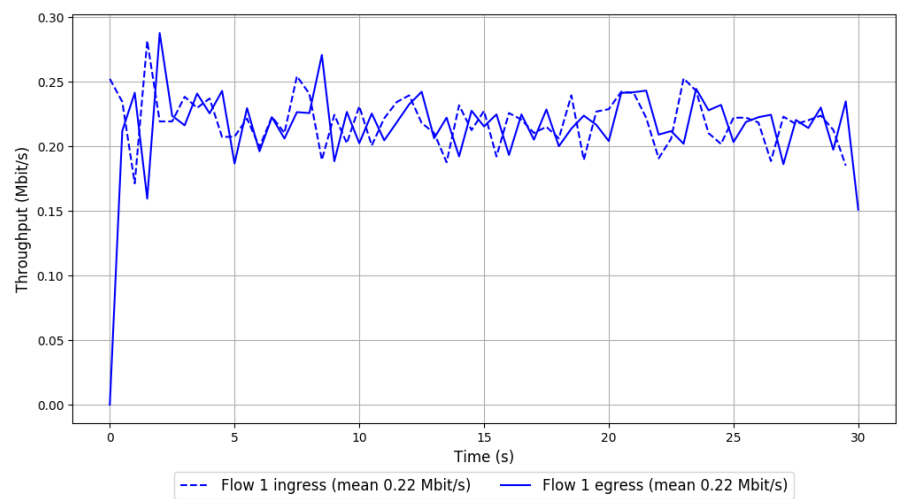
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.459 ms

Loss rate: 0.51%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-03 22:12:11

End at: 2018-07-03 22:12:41

Local clock offset: 0.052 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.839 ms

Loss rate: 1.00%

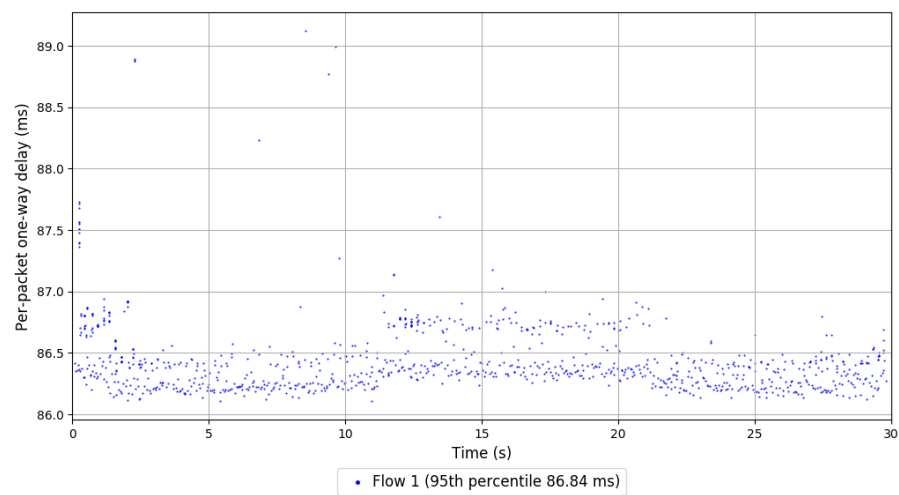
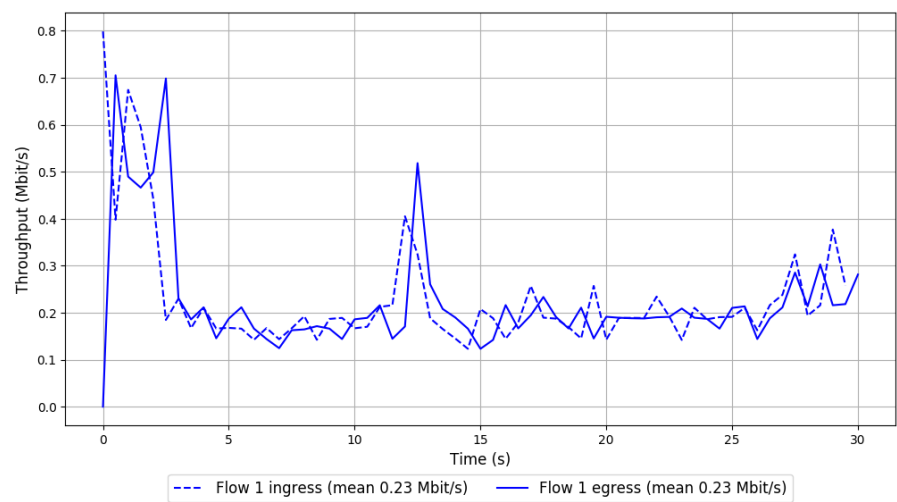
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.839 ms

Loss rate: 1.00%

Run 1: Report of Sprout — Data Link

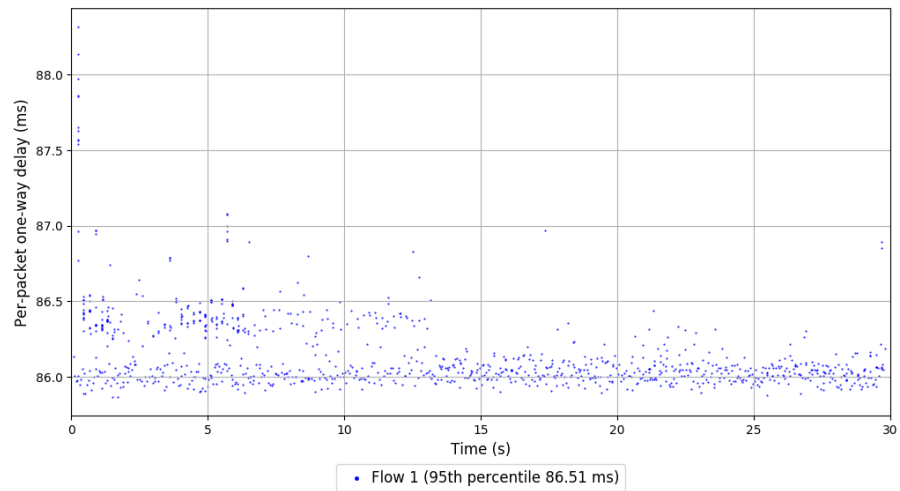
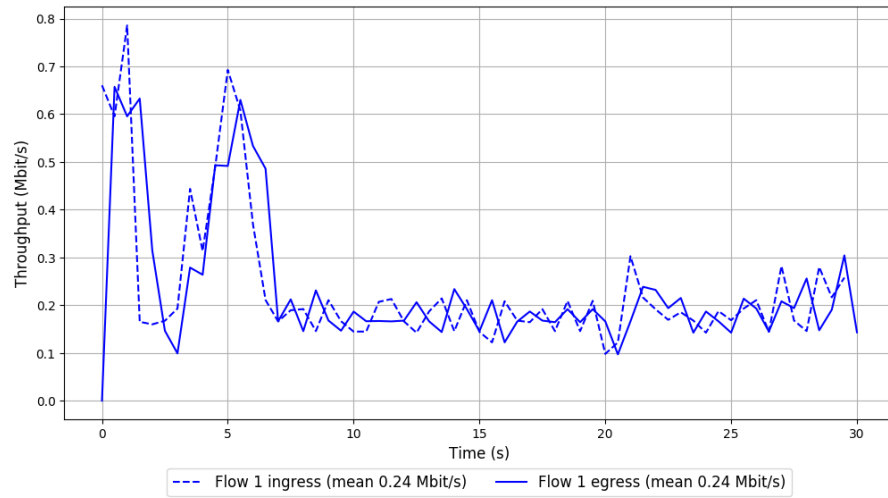


Run 2: Statistics of Sprout

Start at: 2018-07-03 22:33:49
End at: 2018-07-03 22:34:19
Local clock offset: -0.281 ms
Remote clock offset: 0.495 ms

Below is generated by plot.py at 2018-07-04 02:42:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.510 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.510 ms
Loss rate: 0.83%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-03 22:55:27

End at: 2018-07-03 22:55:57

Local clock offset: -0.225 ms

Remote clock offset: 0.553 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.439 ms

Loss rate: 0.47%

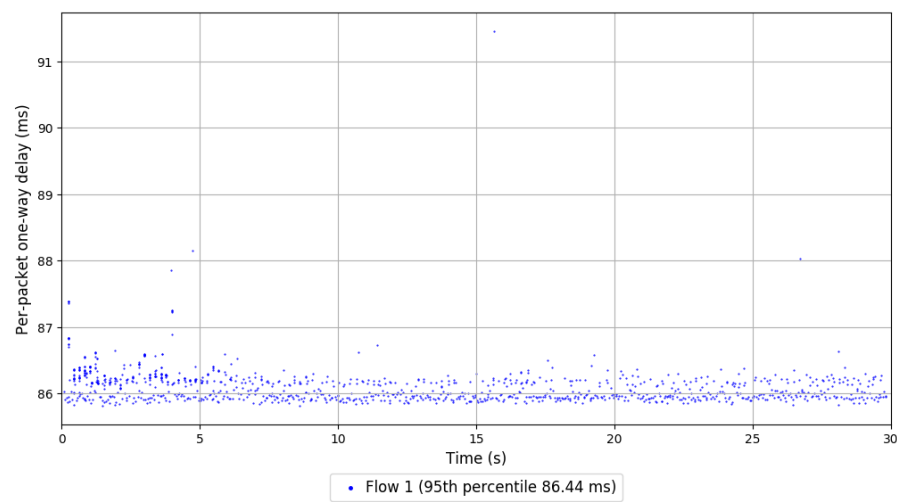
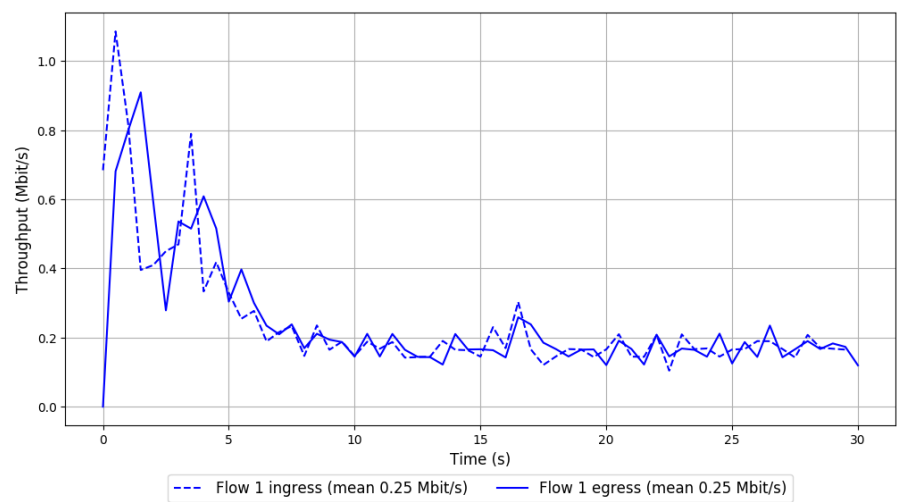
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.439 ms

Loss rate: 0.47%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-03 23:17:15

End at: 2018-07-03 23:17:45

Local clock offset: 0.016 ms

Remote clock offset: 0.796 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.796 ms

Loss rate: 0.37%

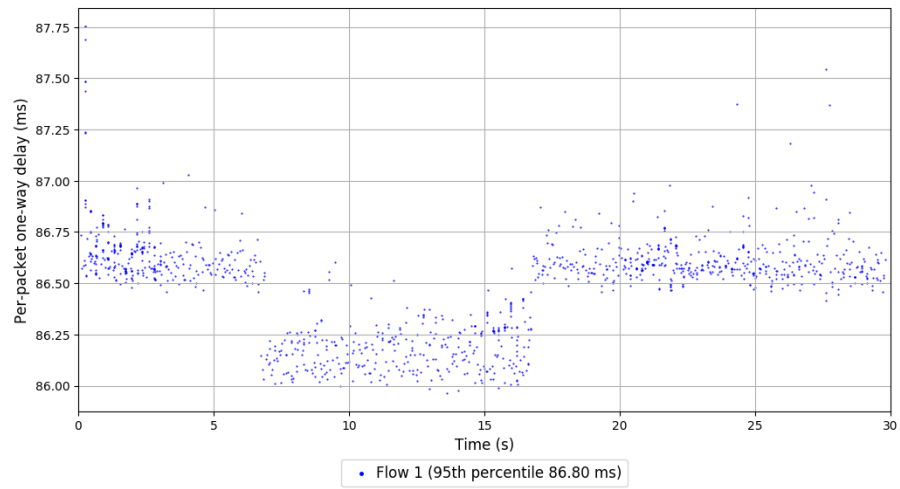
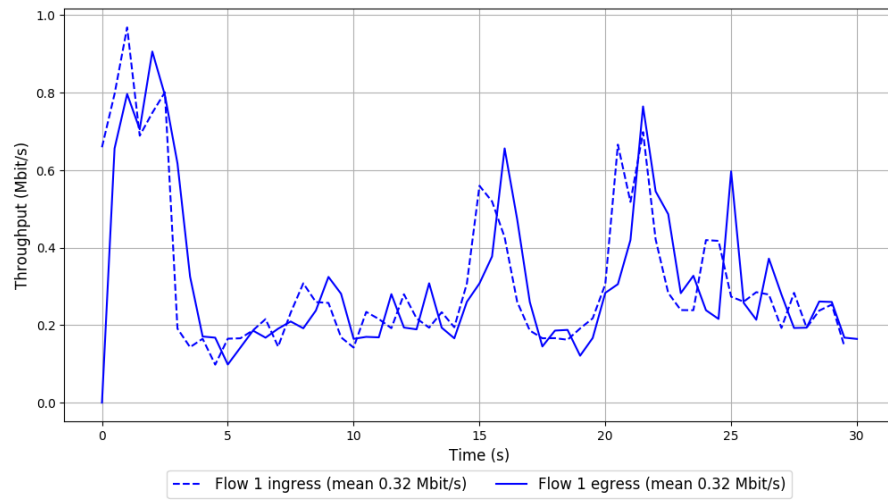
-- Flow 1:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.796 ms

Loss rate: 0.37%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-03 23:39:07

End at: 2018-07-03 23:39:37

Local clock offset: 0.14 ms

Remote clock offset: 0.865 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.899 ms

Loss rate: 0.77%

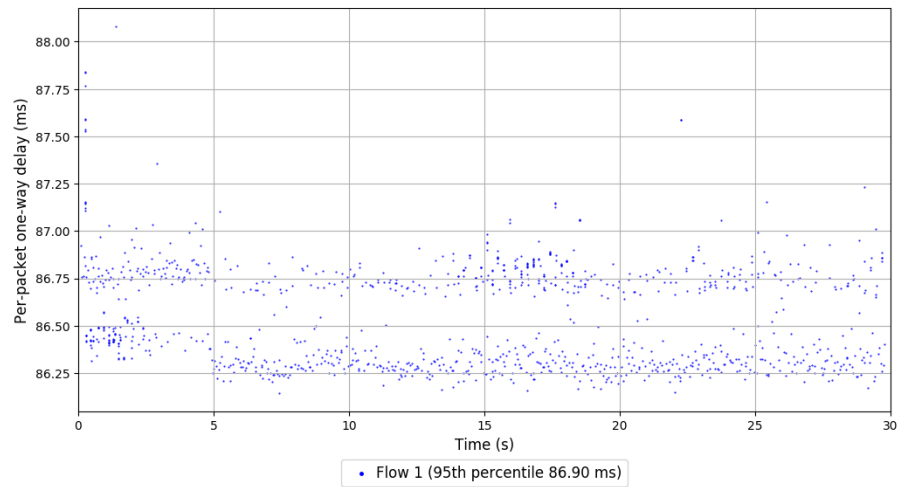
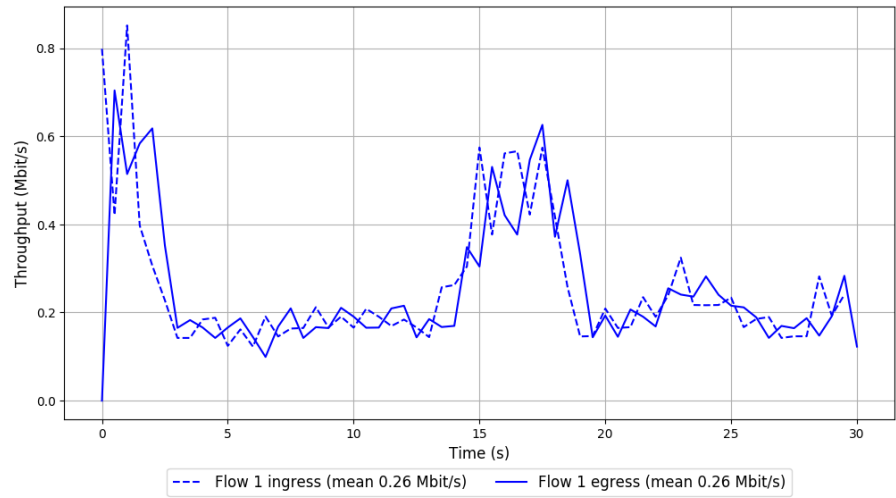
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.899 ms

Loss rate: 0.77%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-04 00:00:39

End at: 2018-07-04 00:01:09

Local clock offset: 0.088 ms

Remote clock offset: 1.009 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.720 ms

Loss rate: 1.49%

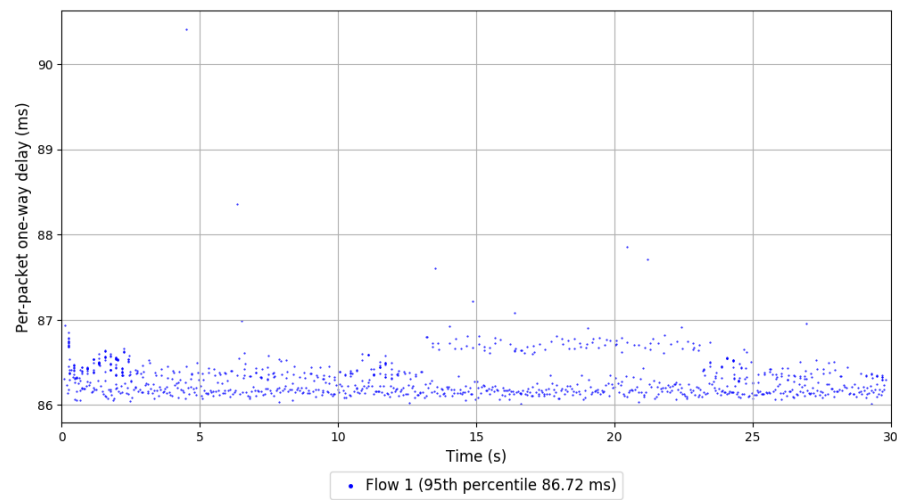
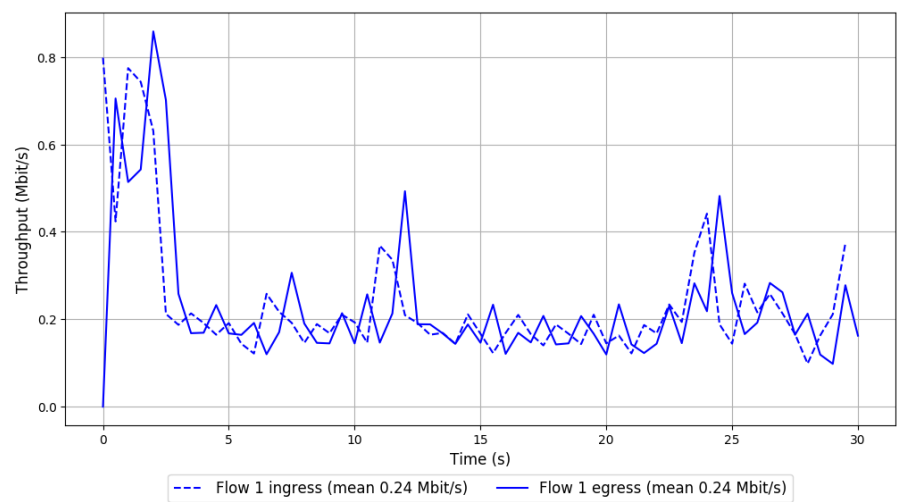
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.720 ms

Loss rate: 1.49%

Run 6: Report of Sprout — Data Link

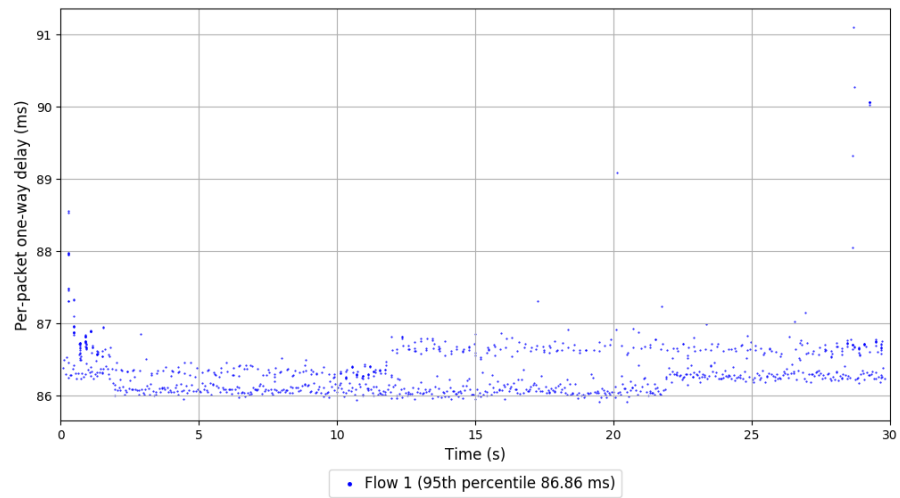
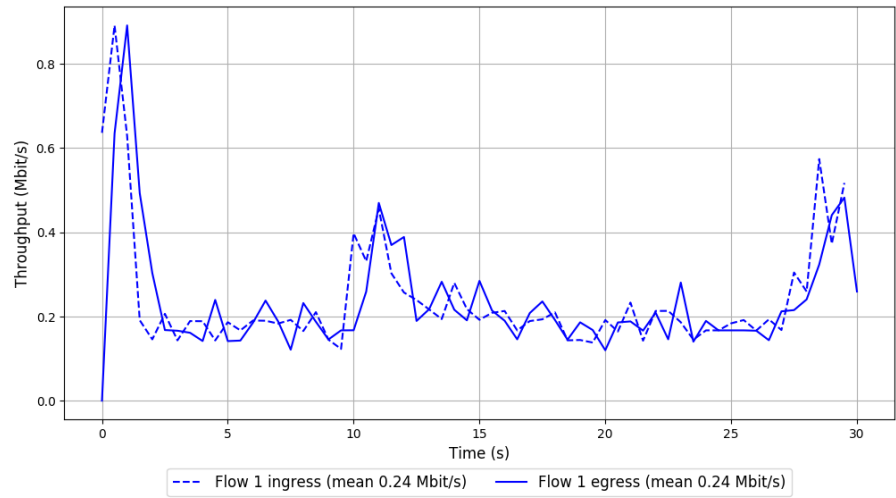


Run 7: Statistics of Sprout

Start at: 2018-07-04 00:22:30
End at: 2018-07-04 00:23:00
Local clock offset: -0.074 ms
Remote clock offset: 1.148 ms

Below is generated by plot.py at 2018-07-04 02:42:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 1.94%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-04 00:44:24

End at: 2018-07-04 00:44:54

Local clock offset: -0.13 ms

Remote clock offset: 0.368 ms

Below is generated by plot.py at 2018-07-04 02:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.341 ms

Loss rate: 0.33%

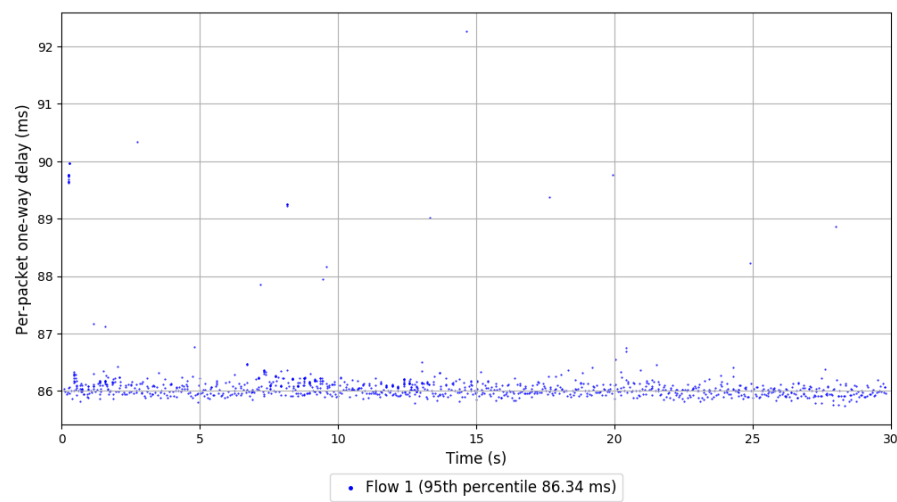
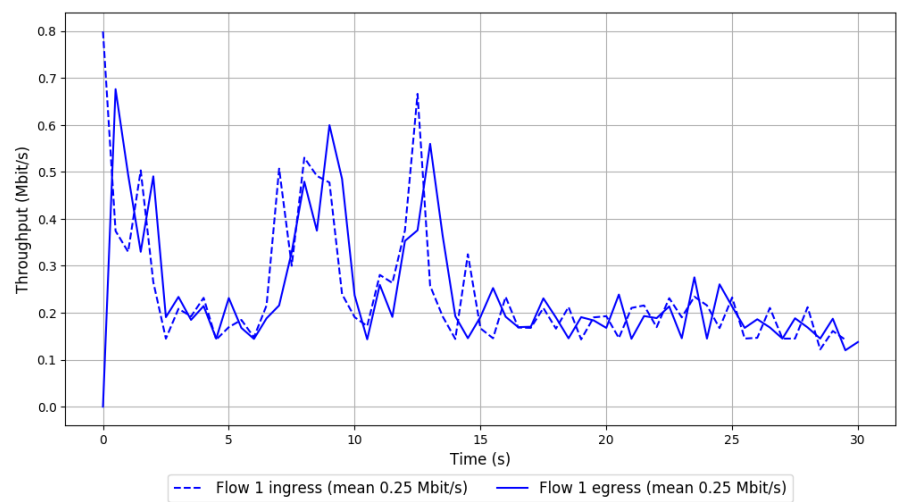
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.341 ms

Loss rate: 0.33%

Run 8: Report of Sprout — Data Link

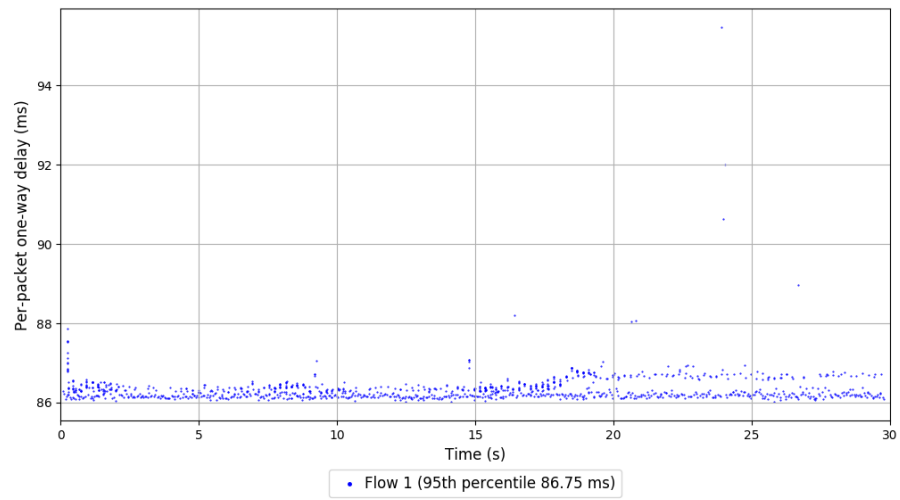
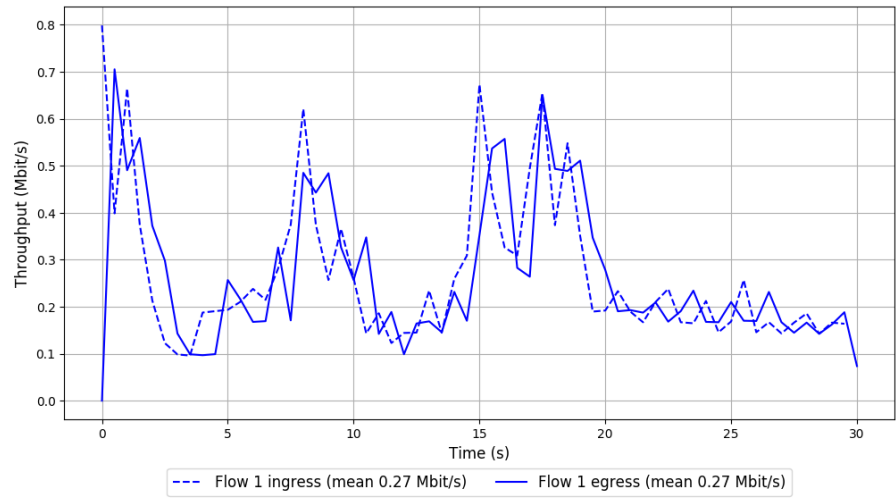


Run 9: Statistics of Sprout

Start at: 2018-07-04 01:06:04
End at: 2018-07-04 01:06:34
Local clock offset: 0.073 ms
Remote clock offset: -0.604 ms

Below is generated by plot.py at 2018-07-04 02:42:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.753 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.753 ms
Loss rate: 0.58%

Run 9: Report of Sprout — Data Link

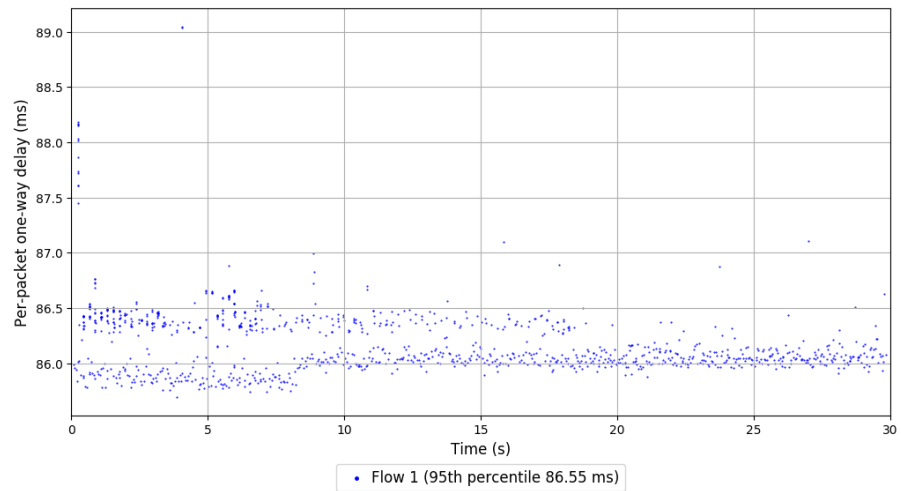
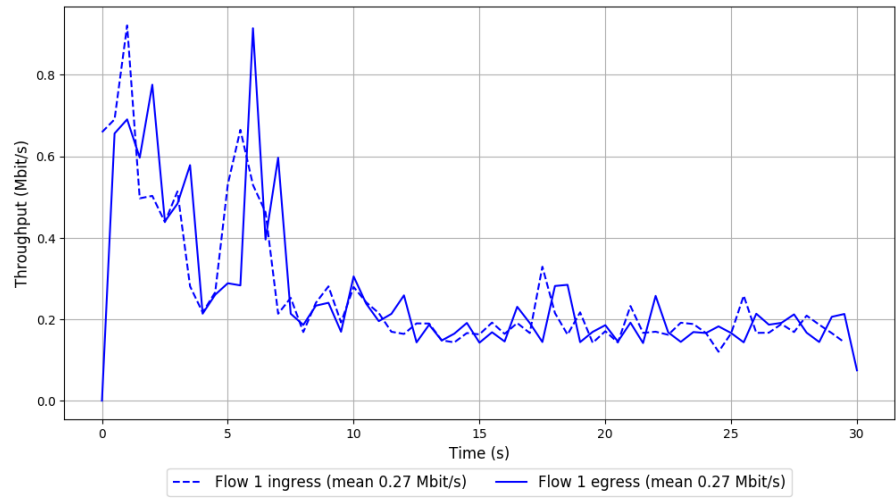


Run 10: Statistics of Sprout

Start at: 2018-07-04 01:28:04
End at: 2018-07-04 01:28:34
Local clock offset: -0.256 ms
Remote clock offset: -0.935 ms

Below is generated by plot.py at 2018-07-04 02:42:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.546 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.546 ms
Loss rate: 0.44%

Run 10: Report of Sprout — Data Link

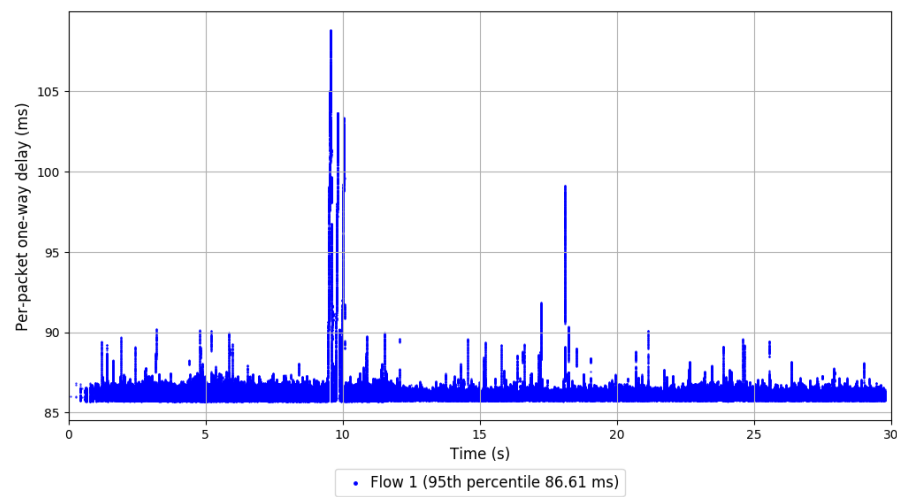
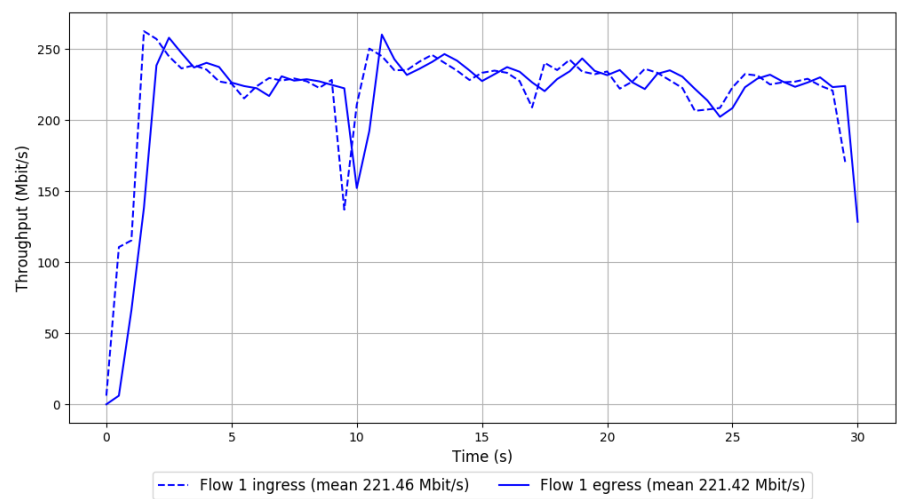


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-03 21:58:10
End at: 2018-07-03 21:58:40
Local clock offset: -0.204 ms
Remote clock offset: 0.351 ms

# Below is generated by plot.py at 2018-07-04 02:47:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.42 Mbit/s
95th percentile per-packet one-way delay: 86.605 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 221.42 Mbit/s
95th percentile per-packet one-way delay: 86.605 ms
Loss rate: 0.60%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-03 22:19:40

End at: 2018-07-03 22:20:10

Local clock offset: -0.073 ms

Remote clock offset: 0.383 ms

Below is generated by plot.py at 2018-07-04 02:47:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.12 Mbit/s

95th percentile per-packet one-way delay: 87.026 ms

Loss rate: 0.61%

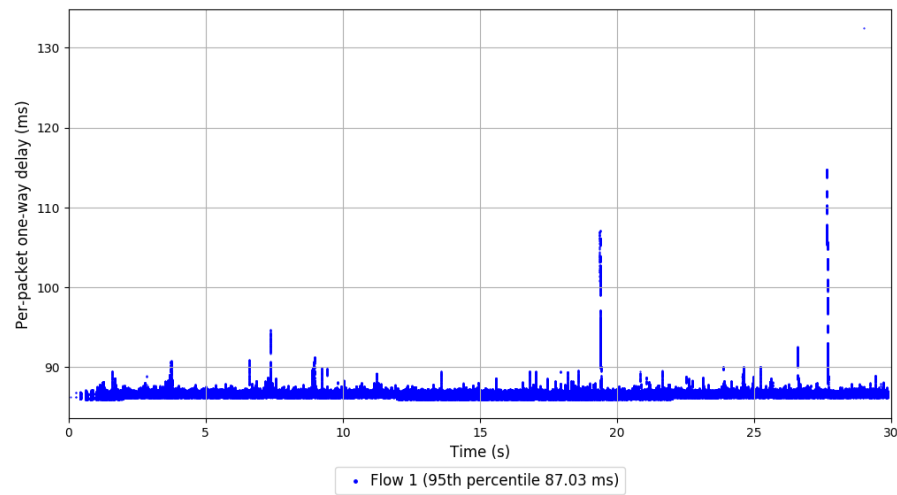
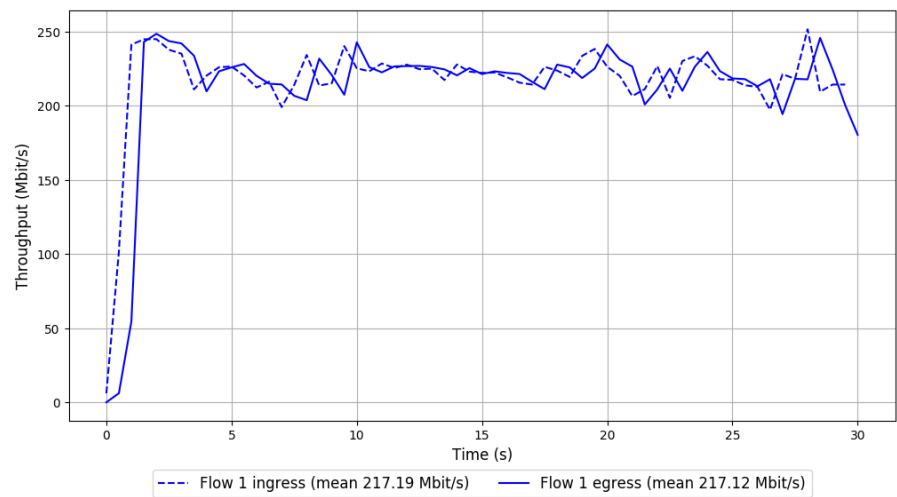
-- Flow 1:

Average throughput: 217.12 Mbit/s

95th percentile per-packet one-way delay: 87.026 ms

Loss rate: 0.61%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-03 22:41:20

End at: 2018-07-03 22:41:50

Local clock offset: 0.07 ms

Remote clock offset: 0.523 ms

Below is generated by plot.py at 2018-07-04 02:47:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.35 Mbit/s

95th percentile per-packet one-way delay: 86.991 ms

Loss rate: 0.62%

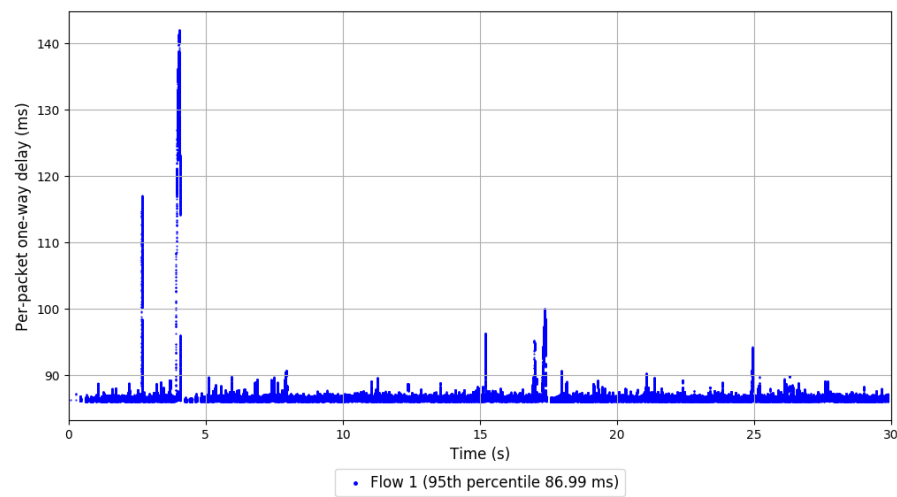
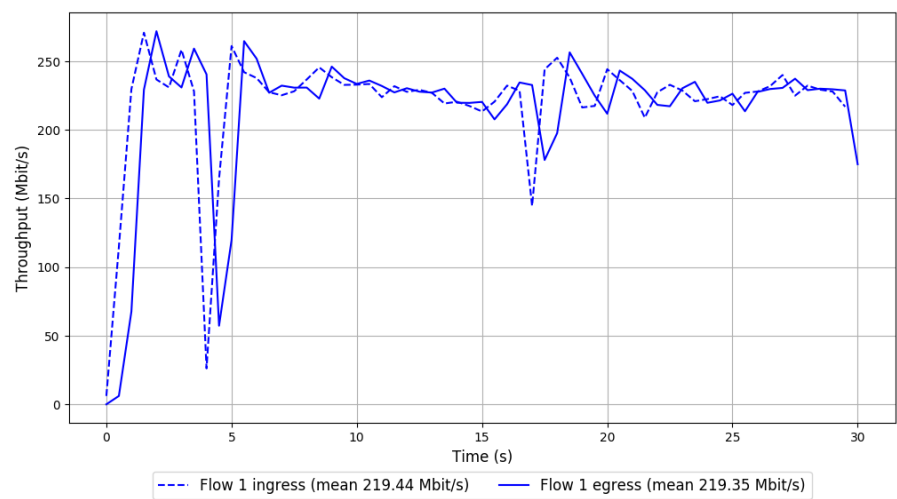
-- Flow 1:

Average throughput: 219.35 Mbit/s

95th percentile per-packet one-way delay: 86.991 ms

Loss rate: 0.62%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-03 23:02:40

End at: 2018-07-03 23:03:10

Local clock offset: -0.214 ms

Remote clock offset: 0.671 ms

Below is generated by plot.py at 2018-07-04 02:47:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.55 Mbit/s

95th percentile per-packet one-way delay: 86.939 ms

Loss rate: 0.61%

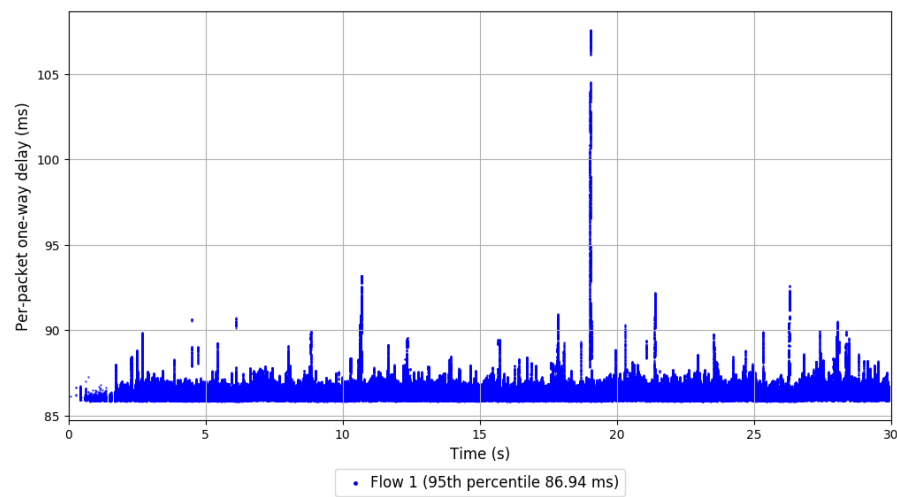
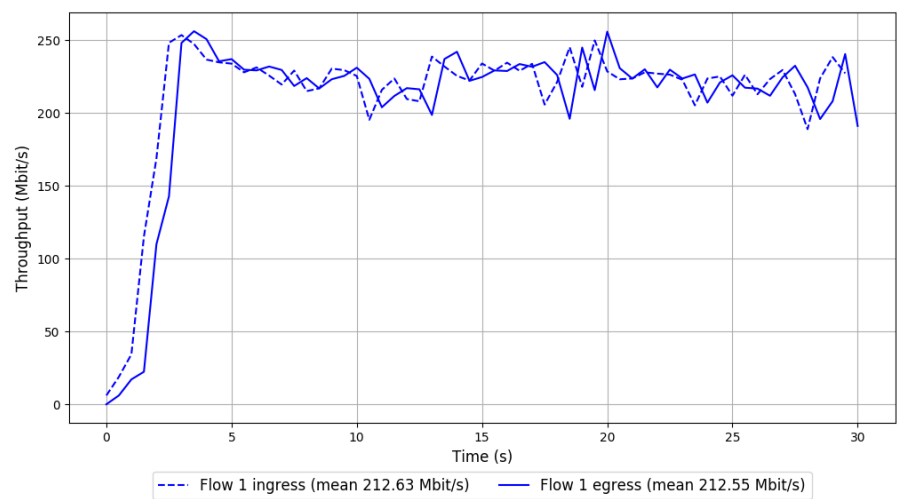
-- Flow 1:

Average throughput: 212.55 Mbit/s

95th percentile per-packet one-way delay: 86.939 ms

Loss rate: 0.61%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-03 23:24:46

End at: 2018-07-03 23:25:16

Local clock offset: 0.078 ms

Remote clock offset: 0.832 ms

Below is generated by plot.py at 2018-07-04 02:47:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.11 Mbit/s

95th percentile per-packet one-way delay: 86.841 ms

Loss rate: 0.62%

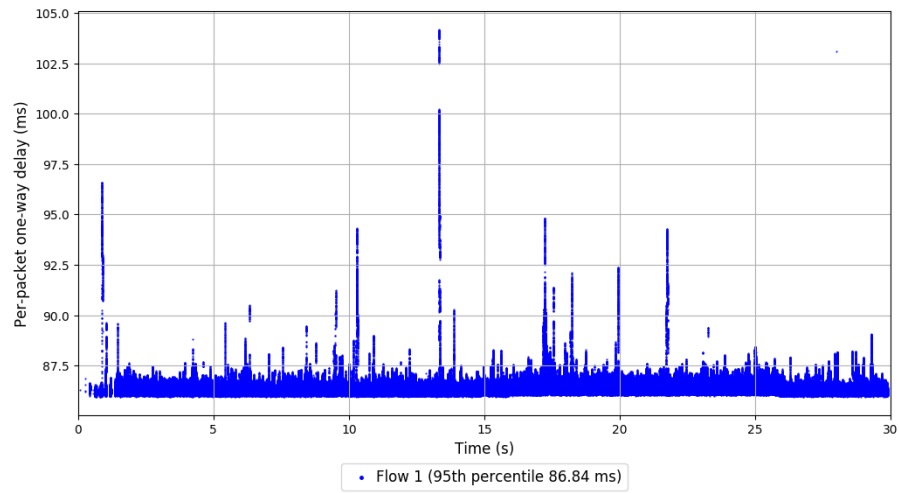
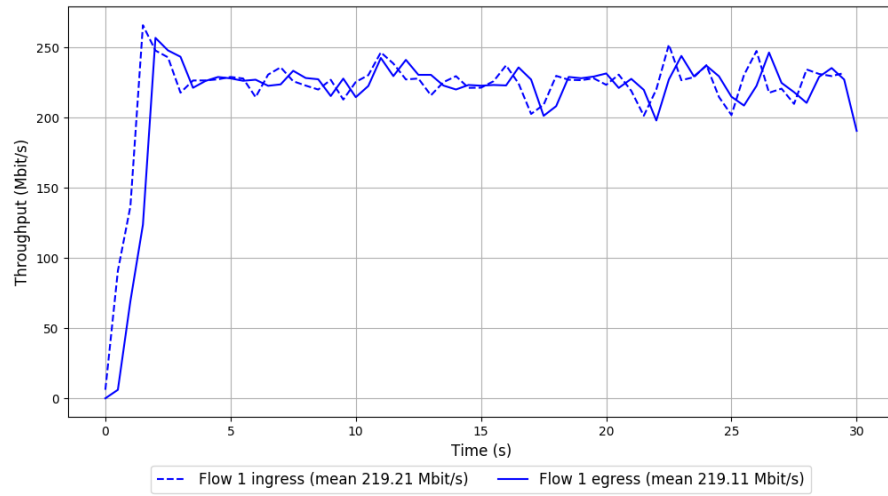
-- Flow 1:

Average throughput: 219.11 Mbit/s

95th percentile per-packet one-way delay: 86.841 ms

Loss rate: 0.62%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-03 23:46:35

End at: 2018-07-03 23:47:05

Local clock offset: 0.016 ms

Remote clock offset: 0.967 ms

Below is generated by plot.py at 2018-07-04 02:48:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.49 Mbit/s

95th percentile per-packet one-way delay: 87.096 ms

Loss rate: 0.58%

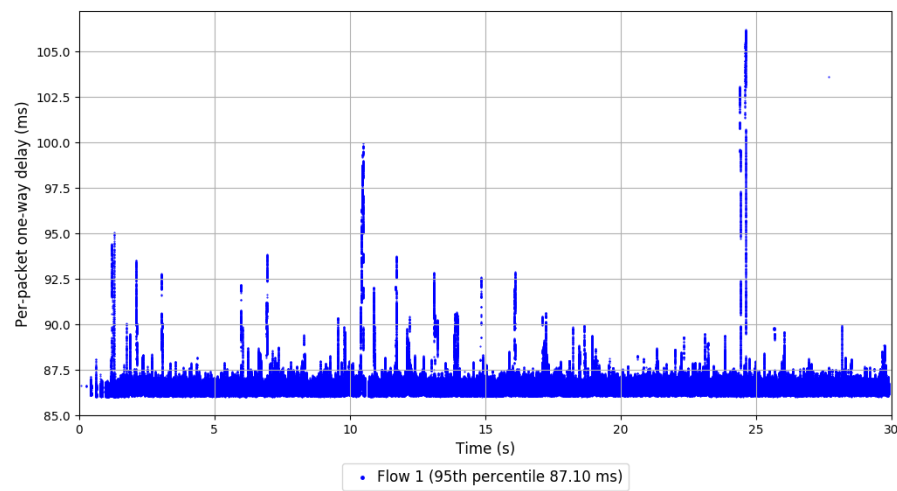
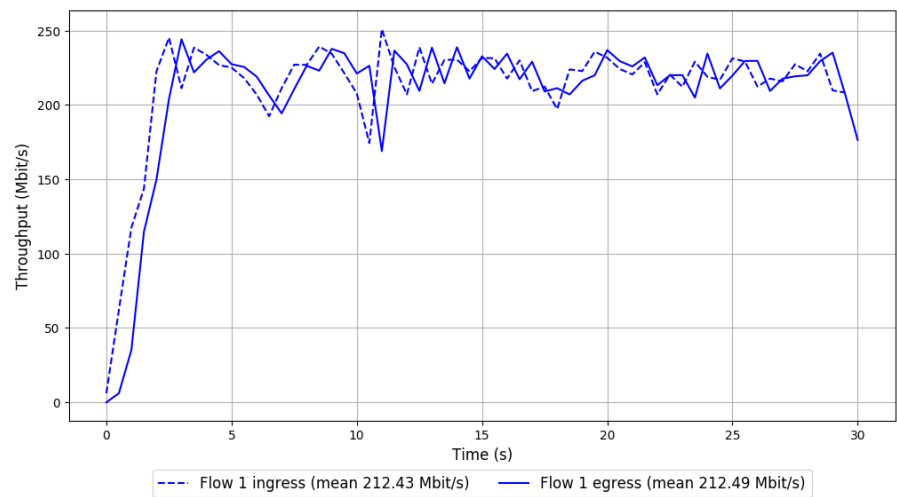
-- Flow 1:

Average throughput: 212.49 Mbit/s

95th percentile per-packet one-way delay: 87.096 ms

Loss rate: 0.58%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-04 00:08:09

End at: 2018-07-04 00:08:39

Local clock offset: -0.002 ms

Remote clock offset: 1.086 ms

Below is generated by plot.py at 2018-07-04 02:49:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.33 Mbit/s

95th percentile per-packet one-way delay: 87.238 ms

Loss rate: 0.66%

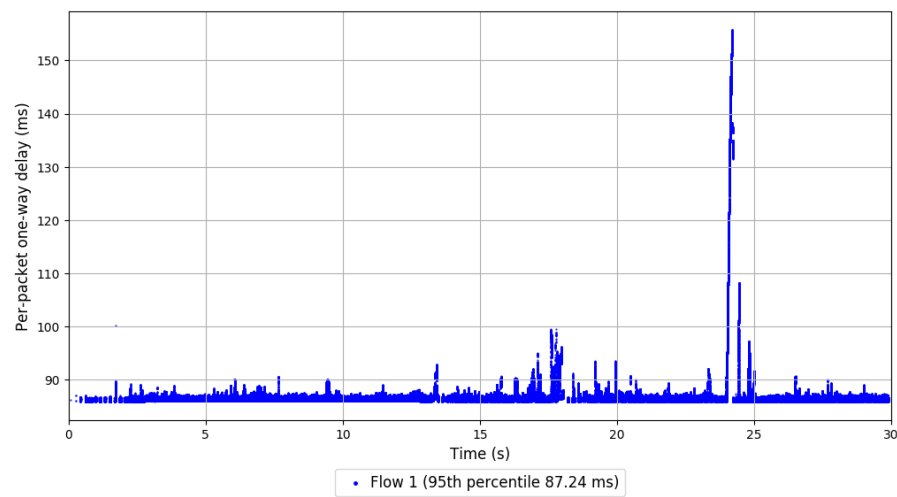
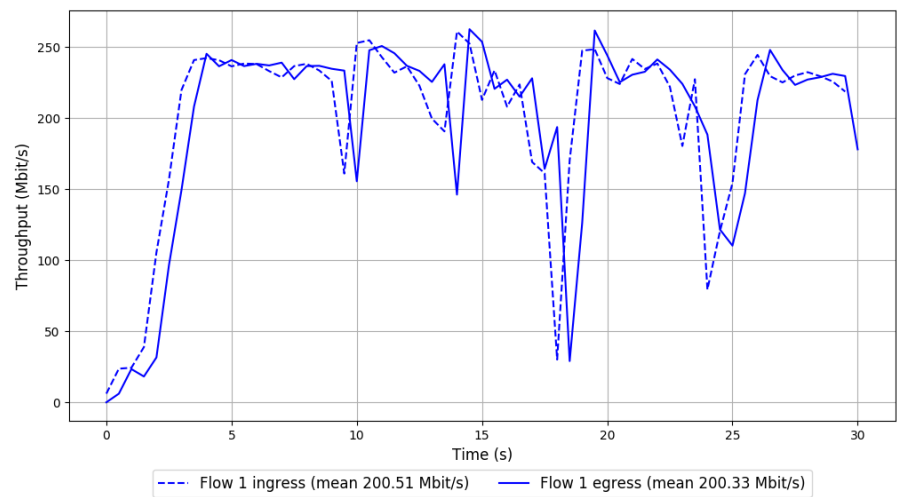
-- Flow 1:

Average throughput: 200.33 Mbit/s

95th percentile per-packet one-way delay: 87.238 ms

Loss rate: 0.66%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-04 00:30:07

End at: 2018-07-04 00:30:37

Local clock offset: -0.095 ms

Remote clock offset: 1.201 ms

Below is generated by plot.py at 2018-07-04 02:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.60 Mbit/s

95th percentile per-packet one-way delay: 87.103 ms

Loss rate: 0.68%

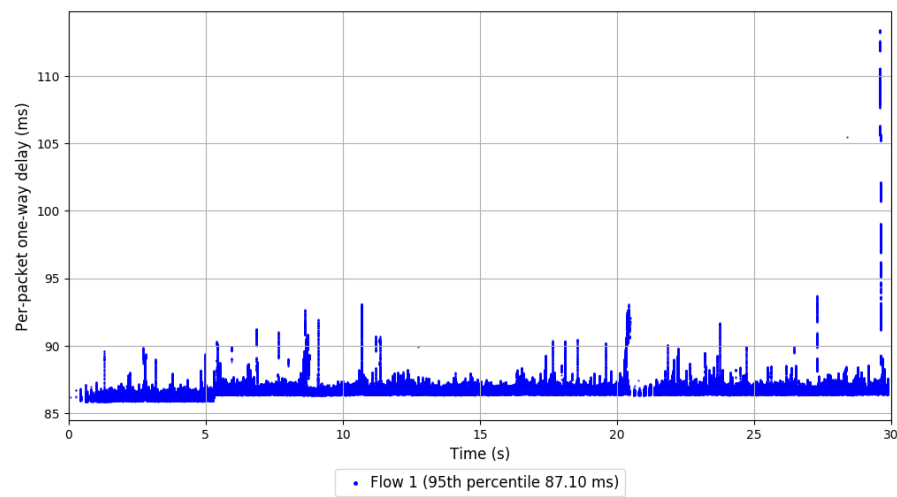
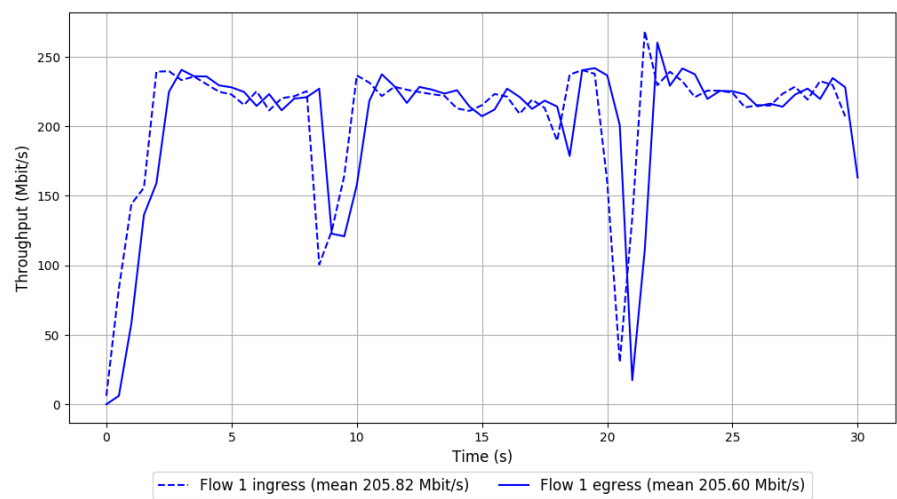
-- Flow 1:

Average throughput: 205.60 Mbit/s

95th percentile per-packet one-way delay: 87.103 ms

Loss rate: 0.68%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-04 00:51:56

End at: 2018-07-04 00:52:26

Local clock offset: 0.136 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.66 Mbit/s

95th percentile per-packet one-way delay: 87.169 ms

Loss rate: 0.69%

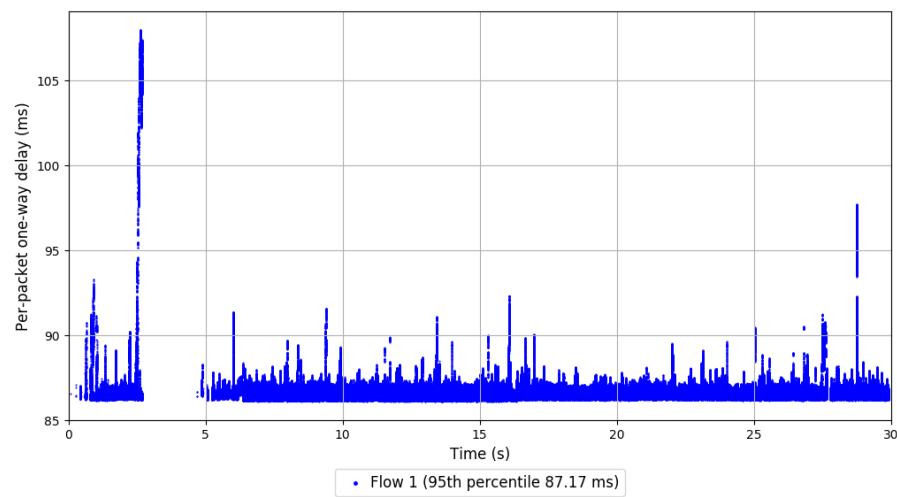
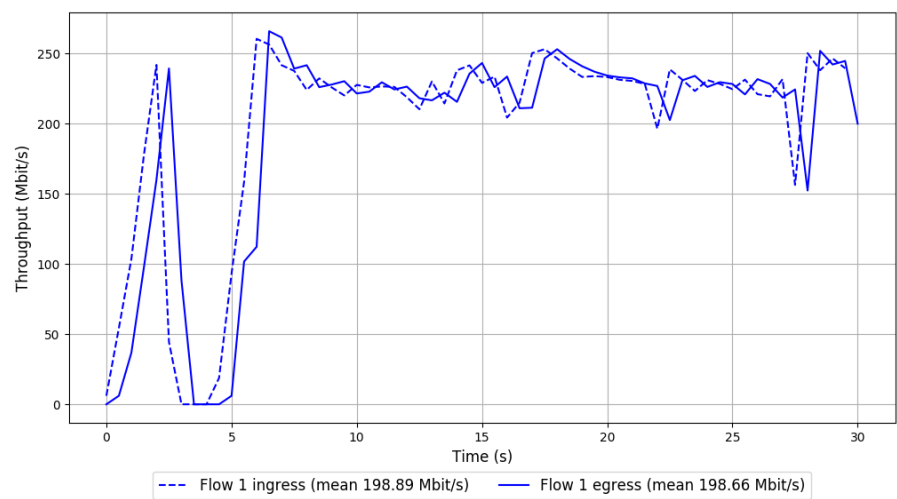
-- Flow 1:

Average throughput: 198.66 Mbit/s

95th percentile per-packet one-way delay: 87.169 ms

Loss rate: 0.69%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-04 01:13:37

End at: 2018-07-04 01:14:07

Local clock offset: 0.079 ms

Remote clock offset: -0.701 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.80 Mbit/s

95th percentile per-packet one-way delay: 87.689 ms

Loss rate: 0.70%

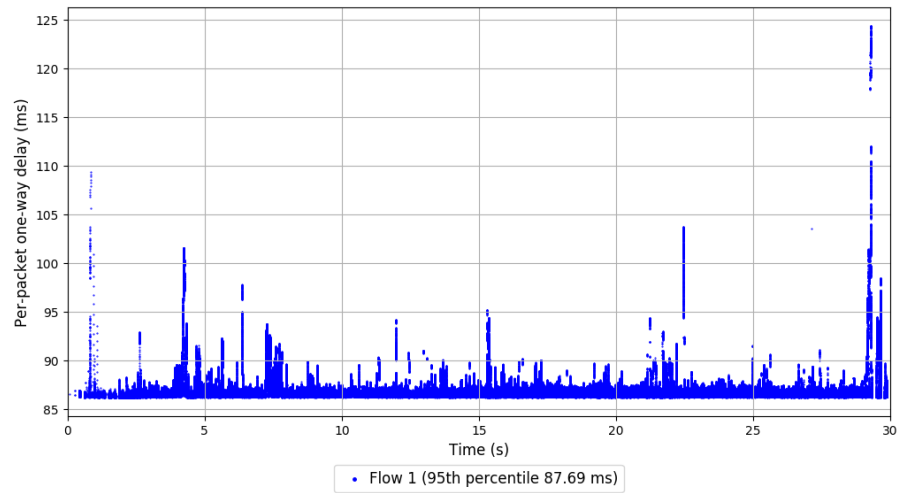
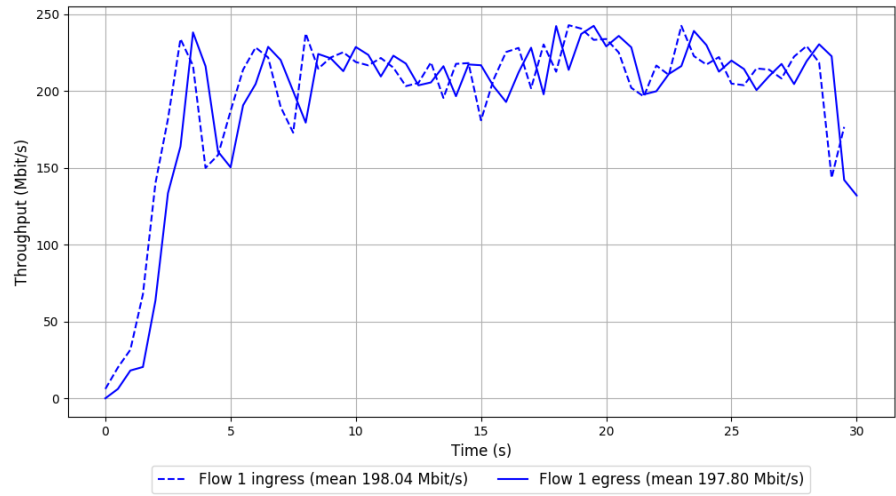
-- Flow 1:

Average throughput: 197.80 Mbit/s

95th percentile per-packet one-way delay: 87.689 ms

Loss rate: 0.70%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-03 21:59:37

End at: 2018-07-03 22:00:07

Local clock offset: -0.246 ms

Remote clock offset: 0.291 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.15 Mbit/s

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

Loss rate: 0.63%

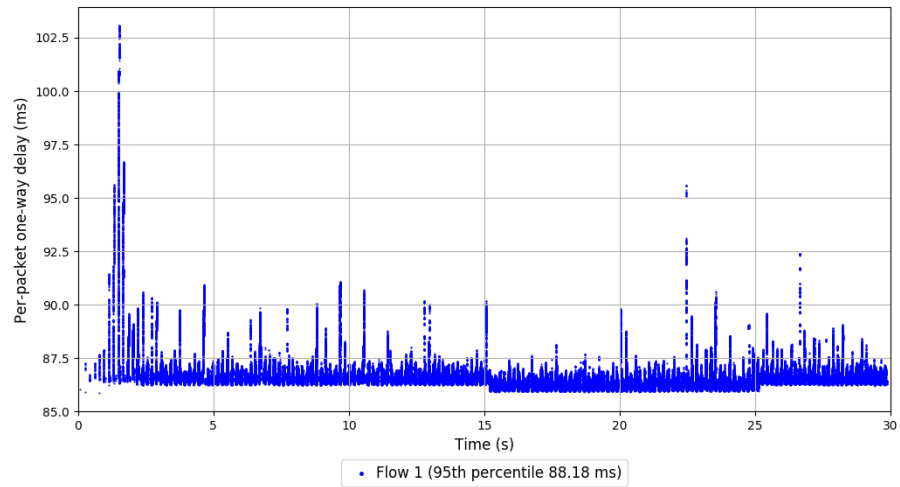
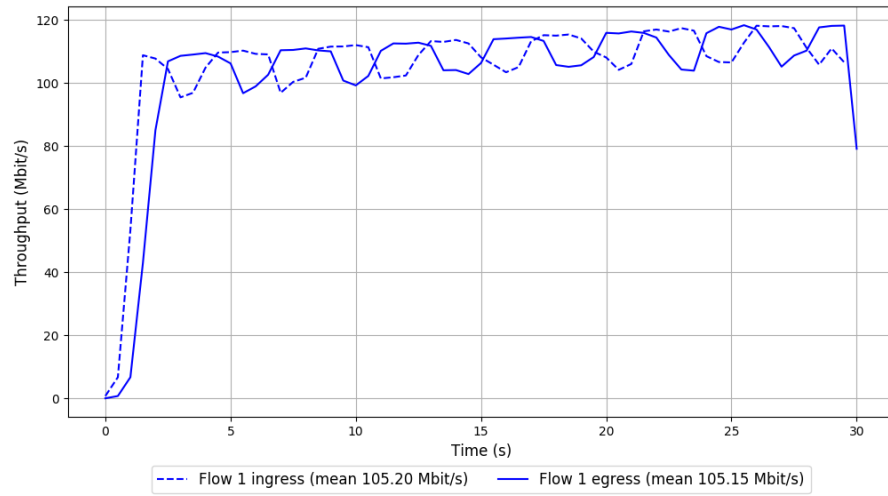
-- Flow 1:

Average throughput: 105.15 Mbit/s

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

Loss rate: 0.63%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-03 22:21:06

End at: 2018-07-03 22:21:36

Local clock offset: -0.283 ms

Remote clock offset: 0.461 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.41 Mbit/s

95th percentile per-packet one-way delay: 90.365 ms

Loss rate: 0.63%

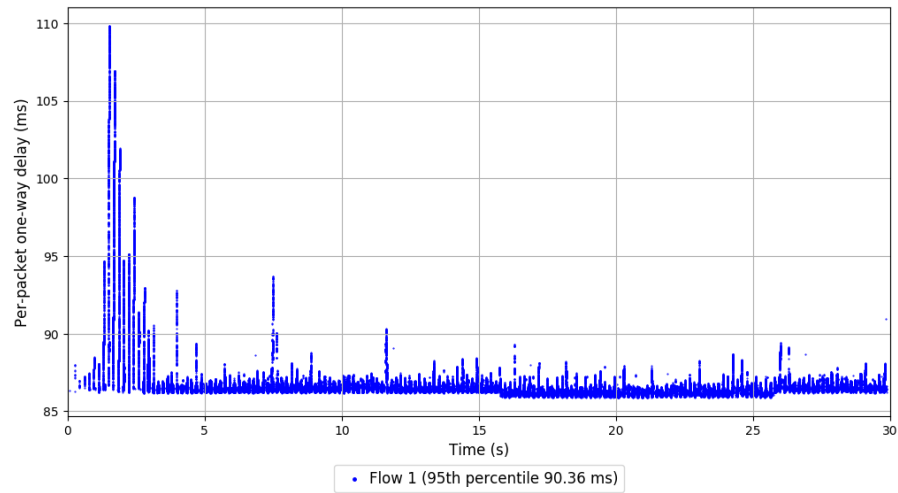
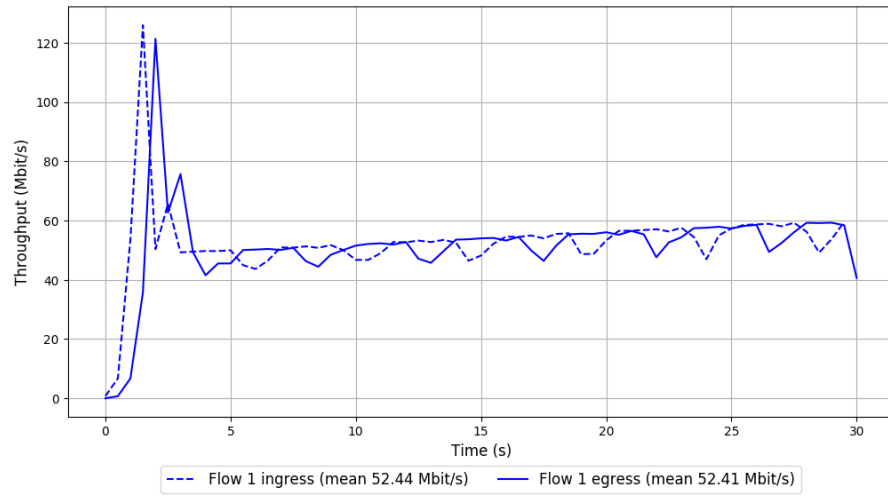
-- Flow 1:

Average throughput: 52.41 Mbit/s

95th percentile per-packet one-way delay: 90.365 ms

Loss rate: 0.63%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-03 22:42:46

End at: 2018-07-03 22:43:16

Local clock offset: 0.092 ms

Remote clock offset: 0.511 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.16 Mbit/s

95th percentile per-packet one-way delay: 96.704 ms

Loss rate: 0.50%

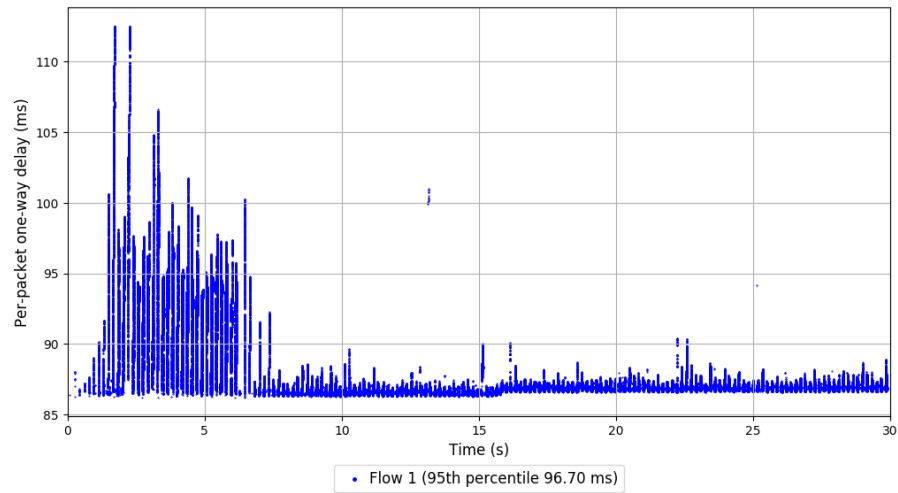
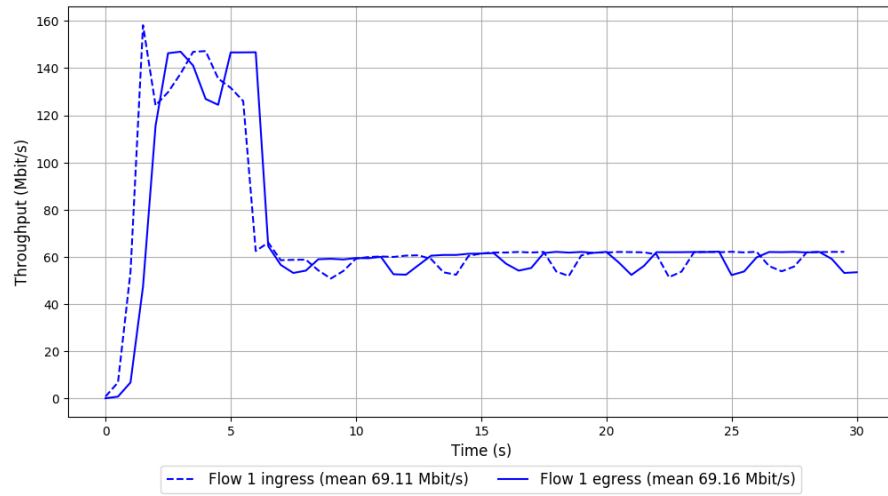
-- Flow 1:

Average throughput: 69.16 Mbit/s

95th percentile per-packet one-way delay: 96.704 ms

Loss rate: 0.50%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-03 23:04:06

End at: 2018-07-03 23:04:36

Local clock offset: -0.104 ms

Remote clock offset: 0.639 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.01 Mbit/s

95th percentile per-packet one-way delay: 97.323 ms

Loss rate: 0.64%

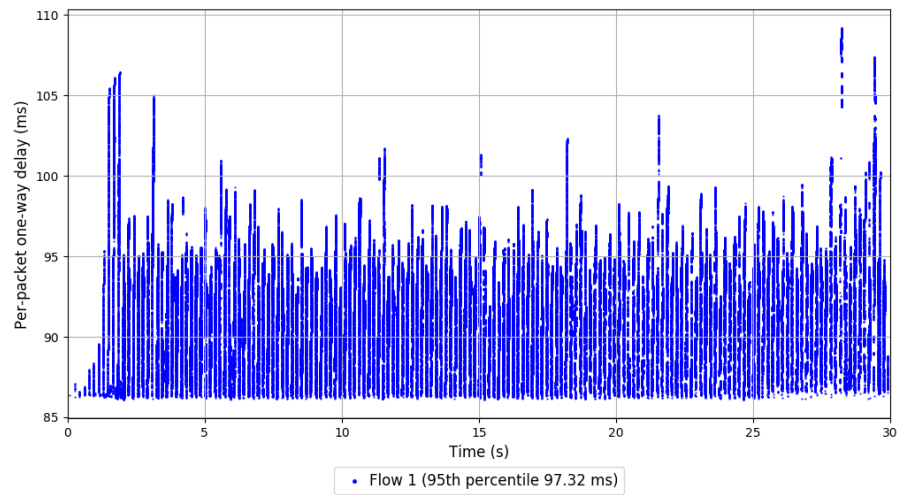
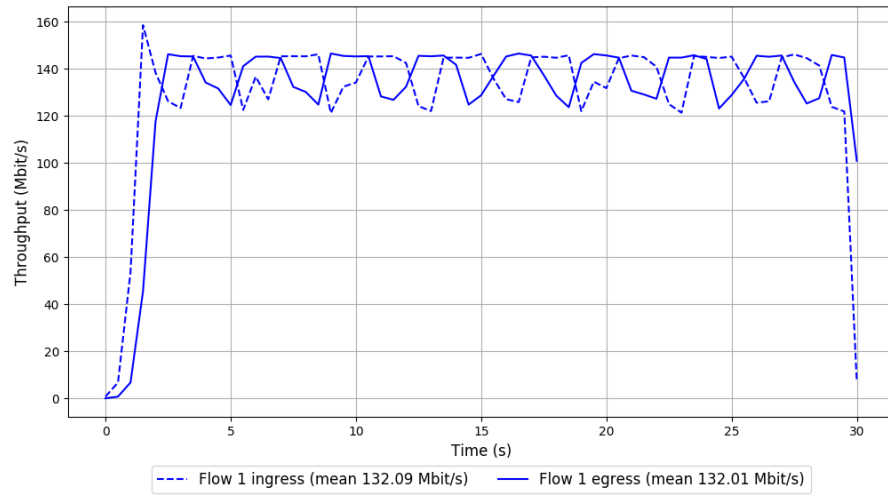
-- Flow 1:

Average throughput: 132.01 Mbit/s

95th percentile per-packet one-way delay: 97.323 ms

Loss rate: 0.64%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-03 23:26:12

End at: 2018-07-03 23:26:43

Local clock offset: -0.113 ms

Remote clock offset: 0.858 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.39 Mbit/s

95th percentile per-packet one-way delay: 88.082 ms

Loss rate: 0.63%

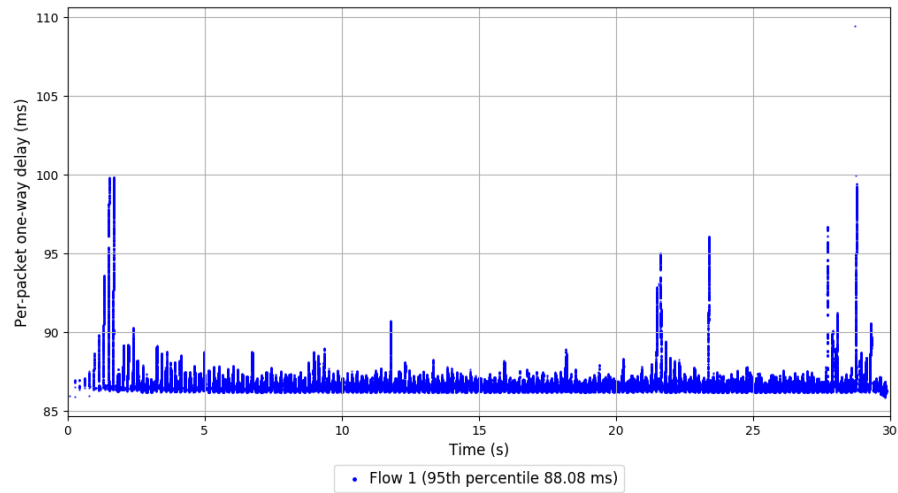
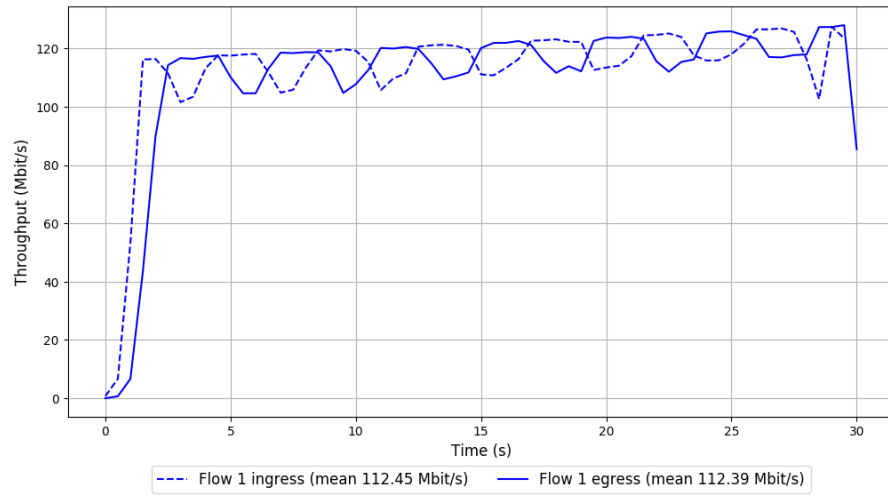
-- Flow 1:

Average throughput: 112.39 Mbit/s

95th percentile per-packet one-way delay: 88.082 ms

Loss rate: 0.63%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-03 23:48:01

End at: 2018-07-03 23:48:31

Local clock offset: -0.154 ms

Remote clock offset: 0.972 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.23 Mbit/s

95th percentile per-packet one-way delay: 88.164 ms

Loss rate: 0.65%

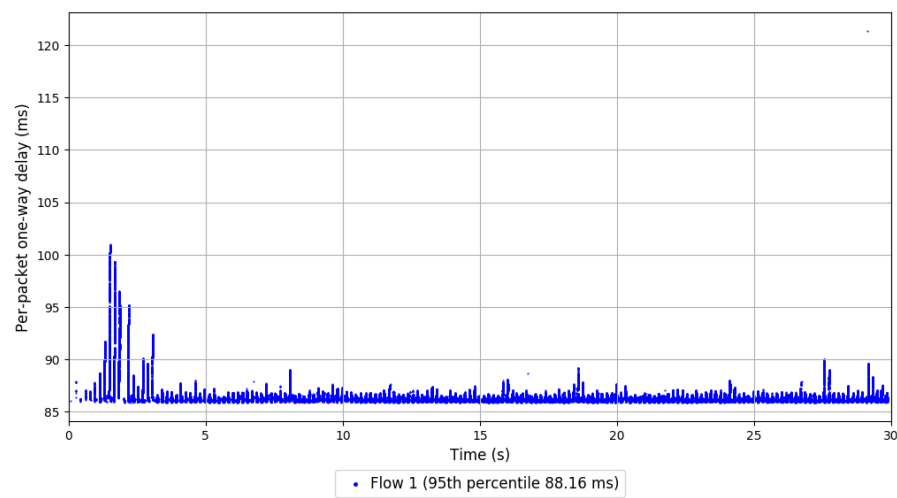
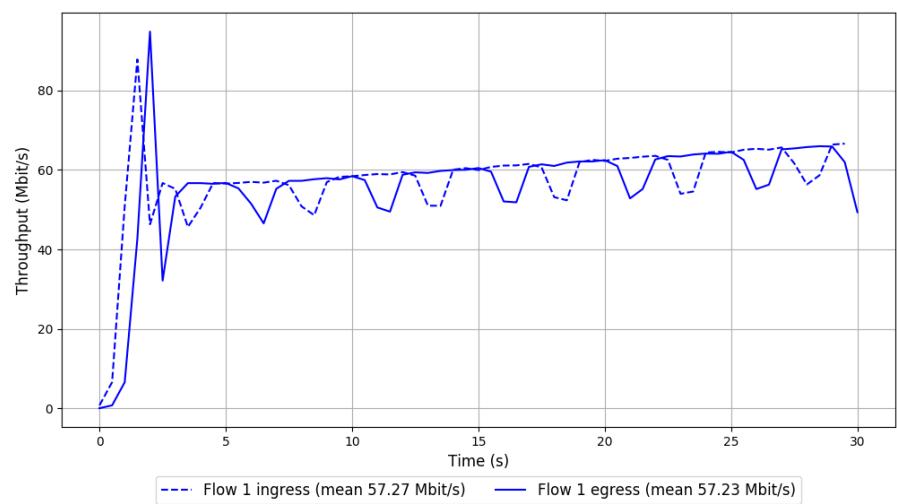
-- Flow 1:

Average throughput: 57.23 Mbit/s

95th percentile per-packet one-way delay: 88.164 ms

Loss rate: 0.65%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-04 00:09:34

End at: 2018-07-04 00:10:04

Local clock offset: -0.022 ms

Remote clock offset: 1.089 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.61 Mbit/s

95th percentile per-packet one-way delay: 88.249 ms

Loss rate: 0.66%

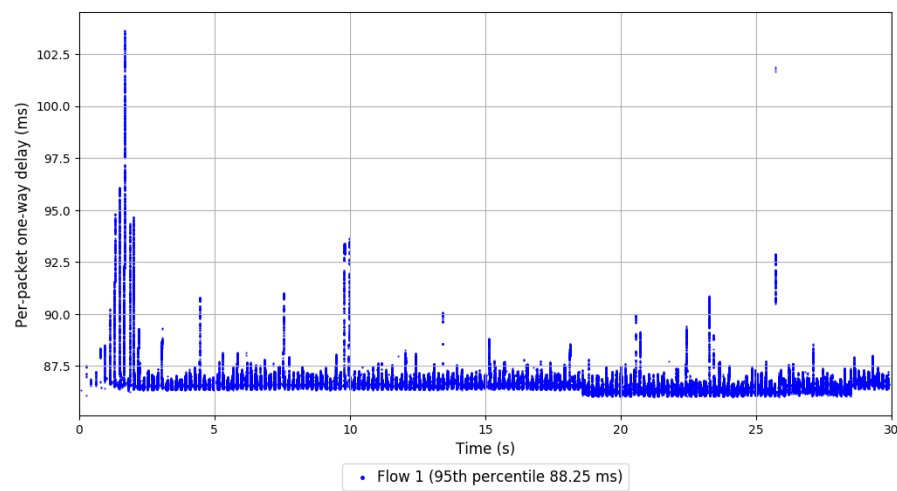
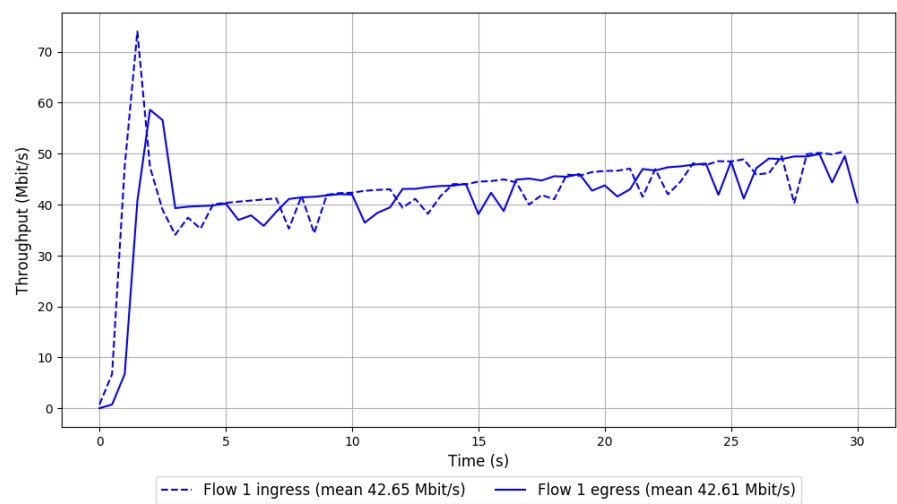
-- Flow 1:

Average throughput: 42.61 Mbit/s

95th percentile per-packet one-way delay: 88.249 ms

Loss rate: 0.66%

Run 7: Report of TCP Vegas — Data Link

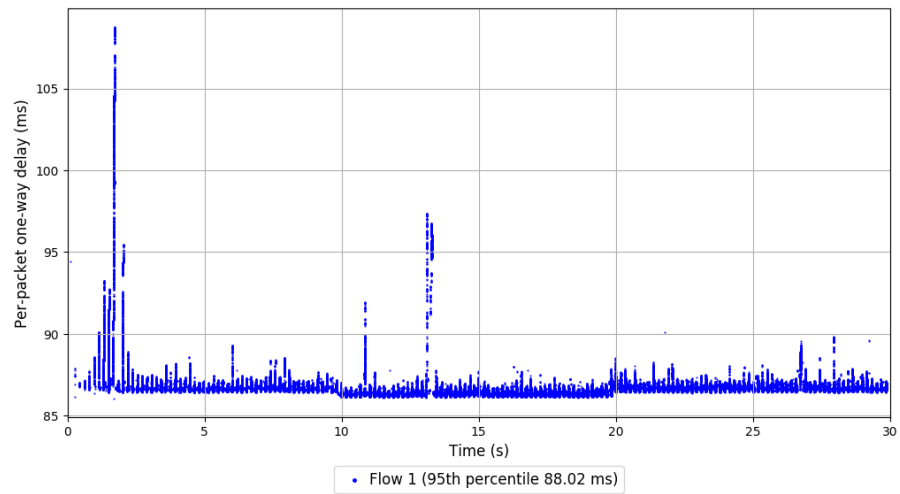
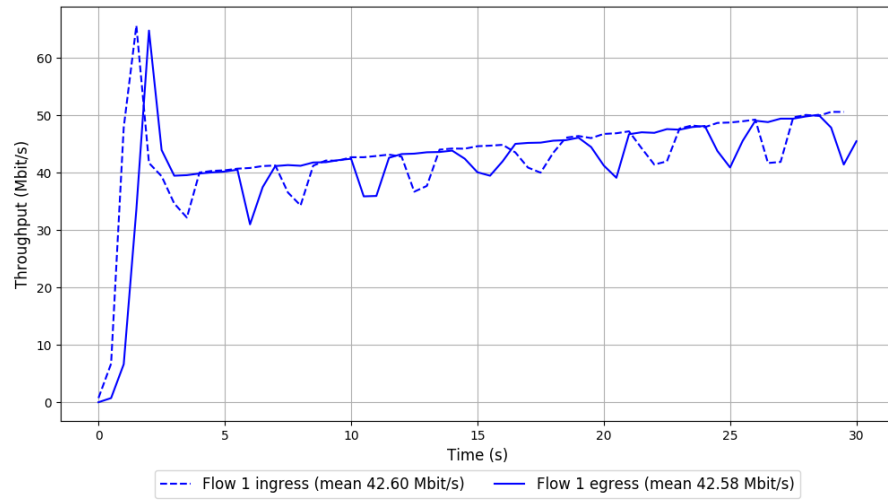


Run 8: Statistics of TCP Vegas

Start at: 2018-07-04 00:31:32
End at: 2018-07-04 00:32:02
Local clock offset: -0.036 ms
Remote clock offset: 1.202 ms

Below is generated by plot.py at 2018-07-04 02:54:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 88.015 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 88.015 ms
Loss rate: 0.66%

Run 8: Report of TCP Vegas — Data Link

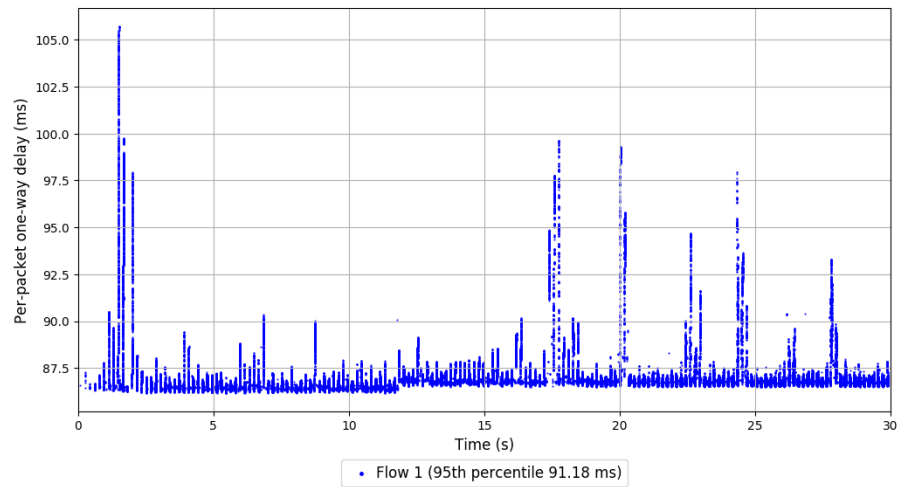
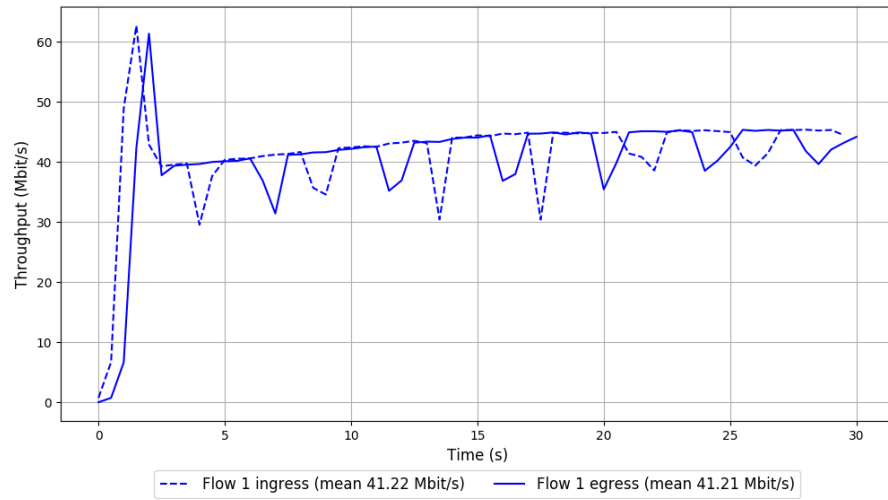


Run 9: Statistics of TCP Vegas

Start at: 2018-07-04 00:53:20
End at: 2018-07-04 00:53:50
Local clock offset: 0.129 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-07-04 02:54:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 91.179 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 91.179 ms
Loss rate: 0.61%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-04 01:15:02

End at: 2018-07-04 01:15:32

Local clock offset: -0.057 ms

Remote clock offset: -0.731 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.66 Mbit/s

95th percentile per-packet one-way delay: 87.861 ms

Loss rate: 0.60%

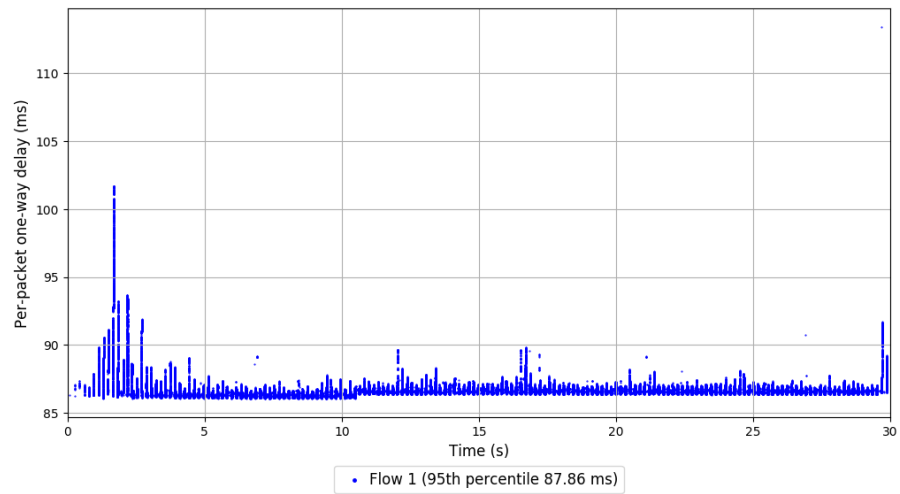
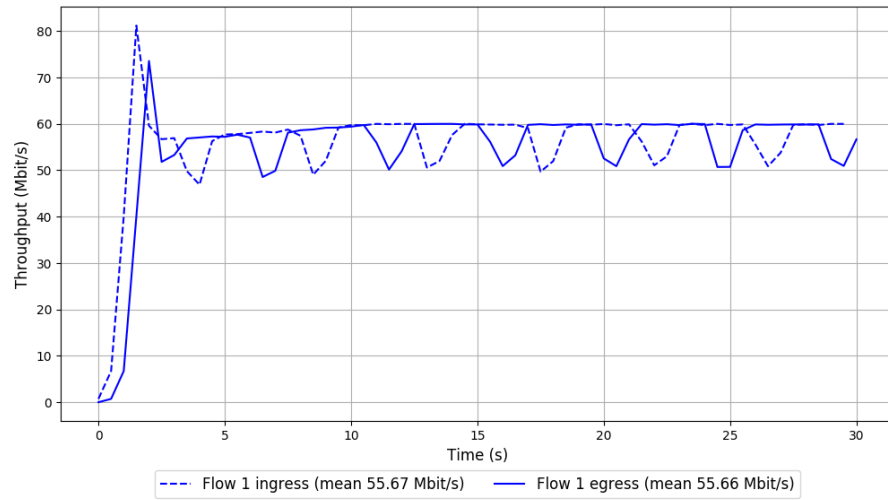
-- Flow 1:

Average throughput: 55.66 Mbit/s

95th percentile per-packet one-way delay: 87.861 ms

Loss rate: 0.60%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-03 22:07:00

End at: 2018-07-03 22:07:30

Local clock offset: -0.13 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2018-07-04 02:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.34 Mbit/s

95th percentile per-packet one-way delay: 254.436 ms

Loss rate: 1.78%

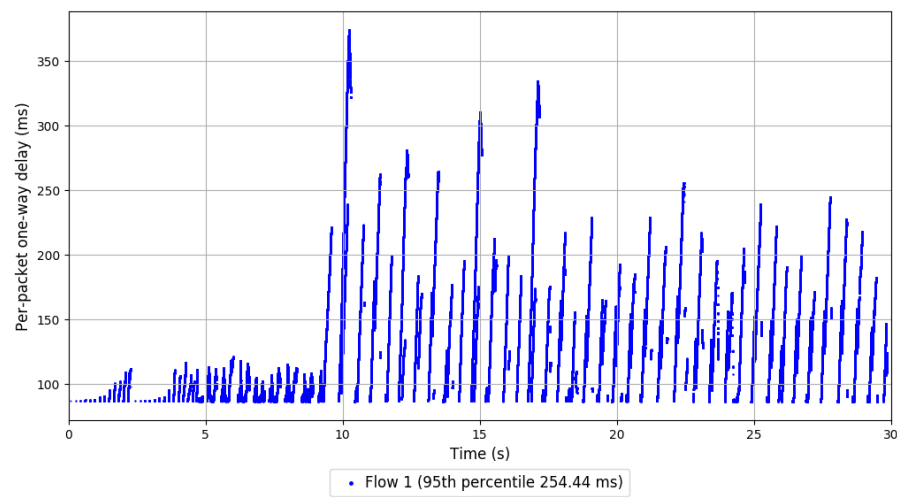
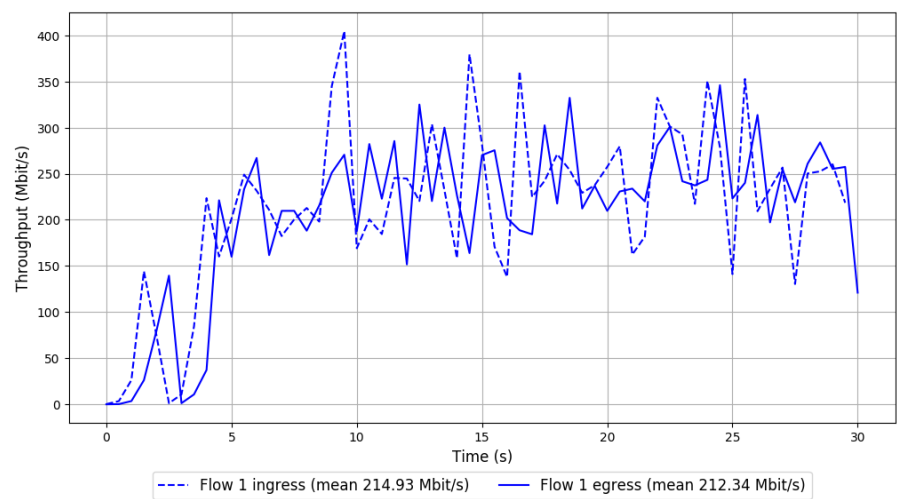
-- Flow 1:

Average throughput: 212.34 Mbit/s

95th percentile per-packet one-way delay: 254.436 ms

Loss rate: 1.78%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-03 22:28:30

End at: 2018-07-03 22:29:00

Local clock offset: -0.138 ms

Remote clock offset: 0.455 ms

Below is generated by plot.py at 2018-07-04 02:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.60 Mbit/s

95th percentile per-packet one-way delay: 113.569 ms

Loss rate: 0.89%

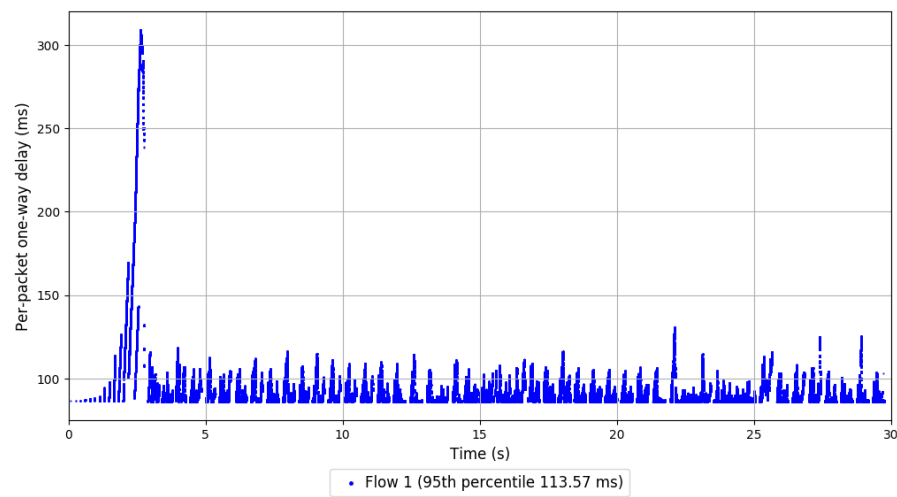
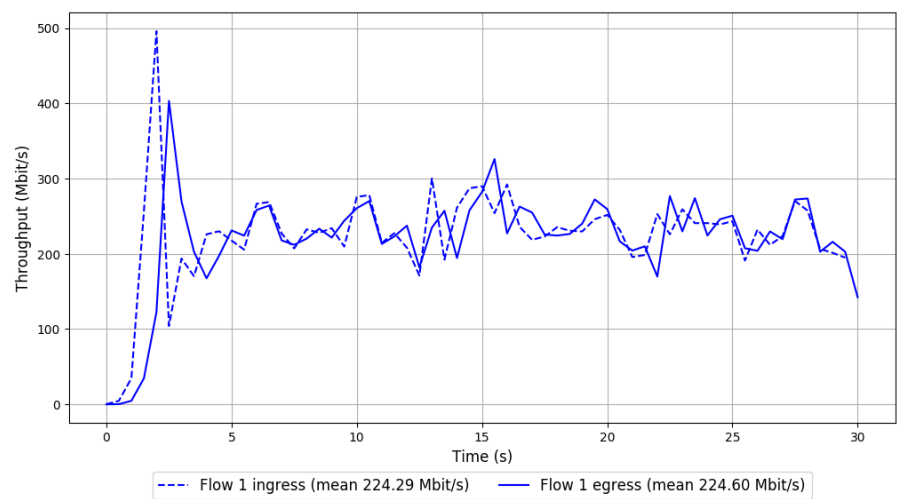
-- Flow 1:

Average throughput: 224.60 Mbit/s

95th percentile per-packet one-way delay: 113.569 ms

Loss rate: 0.89%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-03 22:50:04

End at: 2018-07-03 22:50:34

Local clock offset: 0.212 ms

Remote clock offset: 0.588 ms

Below is generated by plot.py at 2018-07-04 02:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.08 Mbit/s

95th percentile per-packet one-way delay: 121.678 ms

Loss rate: 0.25%

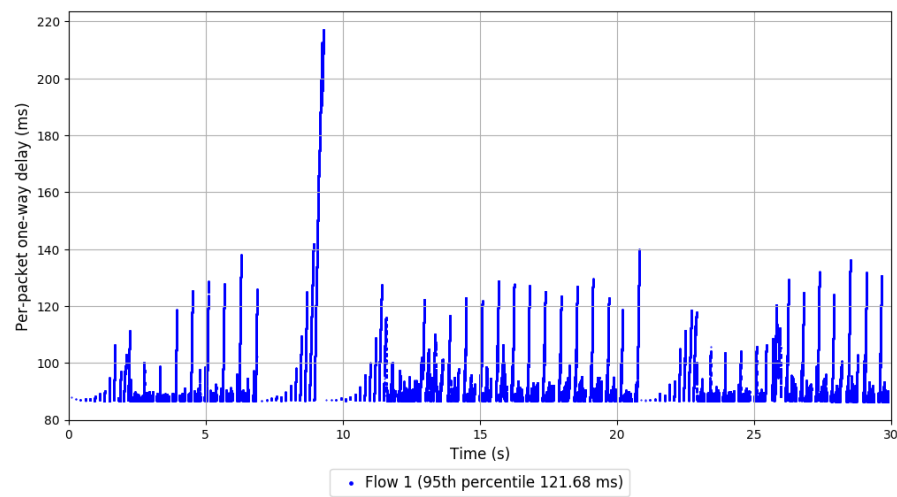
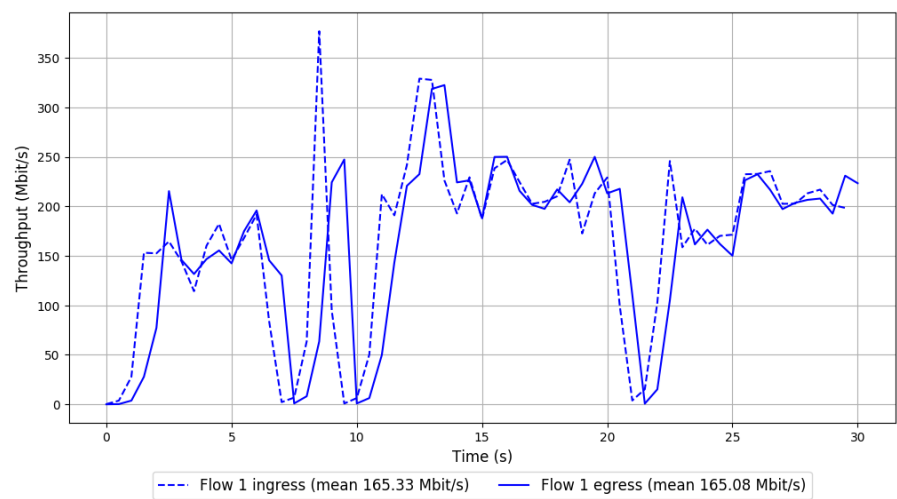
-- Flow 1:

Average throughput: 165.08 Mbit/s

95th percentile per-packet one-way delay: 121.678 ms

Loss rate: 0.25%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-03 23:11:52

End at: 2018-07-03 23:12:22

Local clock offset: 0.041 ms

Remote clock offset: 0.747 ms

Below is generated by plot.py at 2018-07-04 02:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.15 Mbit/s

95th percentile per-packet one-way delay: 193.175 ms

Loss rate: 1.38%

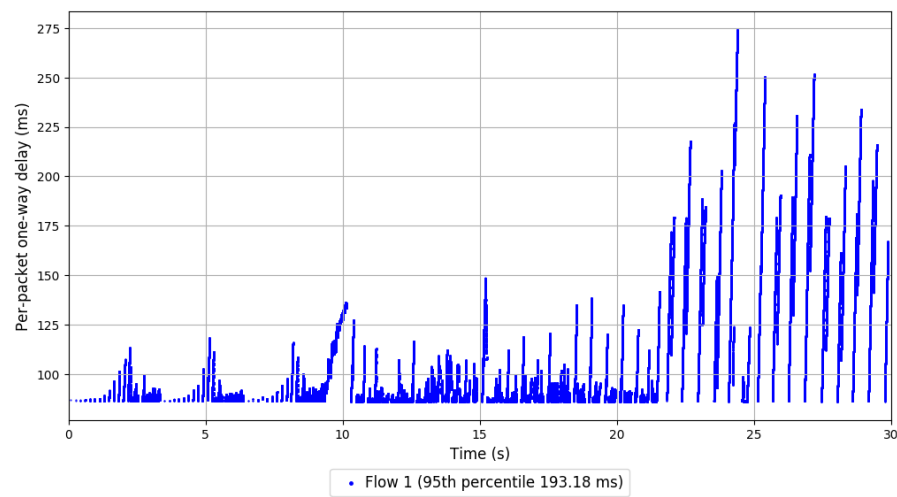
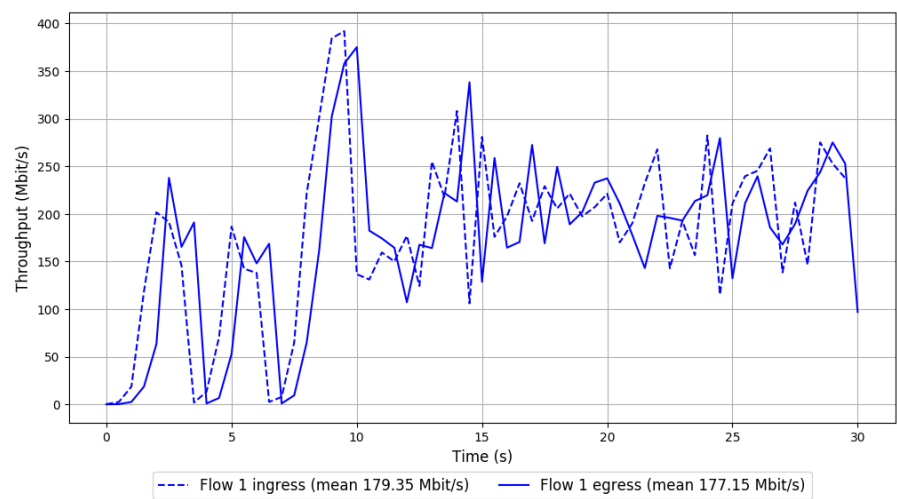
-- Flow 1:

Average throughput: 177.15 Mbit/s

95th percentile per-packet one-way delay: 193.175 ms

Loss rate: 1.38%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-03 23:33:42

End at: 2018-07-03 23:34:12

Local clock offset: 0.069 ms

Remote clock offset: 0.844 ms

Below is generated by plot.py at 2018-07-04 02:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.08 Mbit/s

95th percentile per-packet one-way delay: 136.236 ms

Loss rate: 1.18%

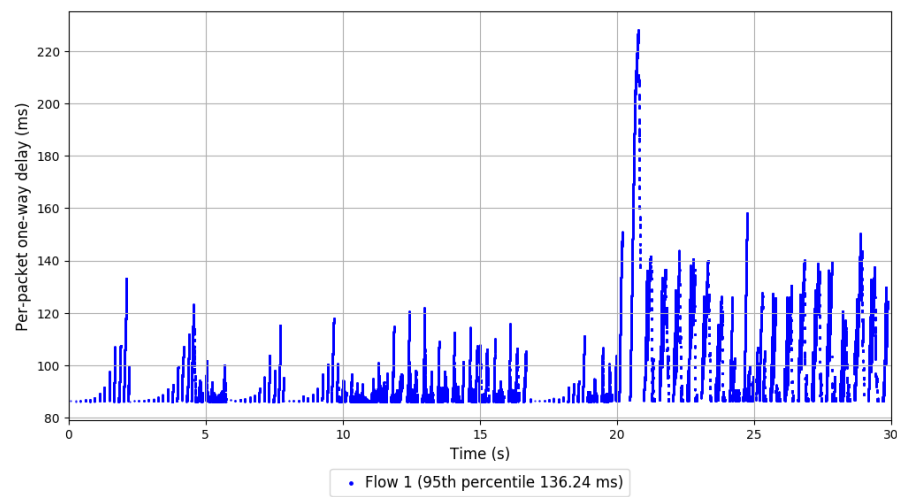
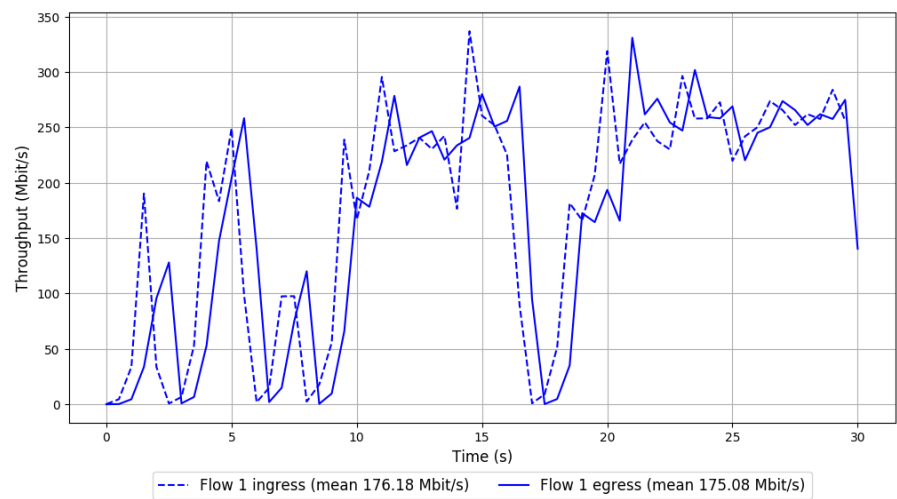
-- Flow 1:

Average throughput: 175.08 Mbit/s

95th percentile per-packet one-way delay: 136.236 ms

Loss rate: 1.18%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-03 23:55:22

End at: 2018-07-03 23:55:52

Local clock offset: 0.062 ms

Remote clock offset: 1.009 ms

Below is generated by plot.py at 2018-07-04 02:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.40 Mbit/s

95th percentile per-packet one-way delay: 118.409 ms

Loss rate: 0.02%

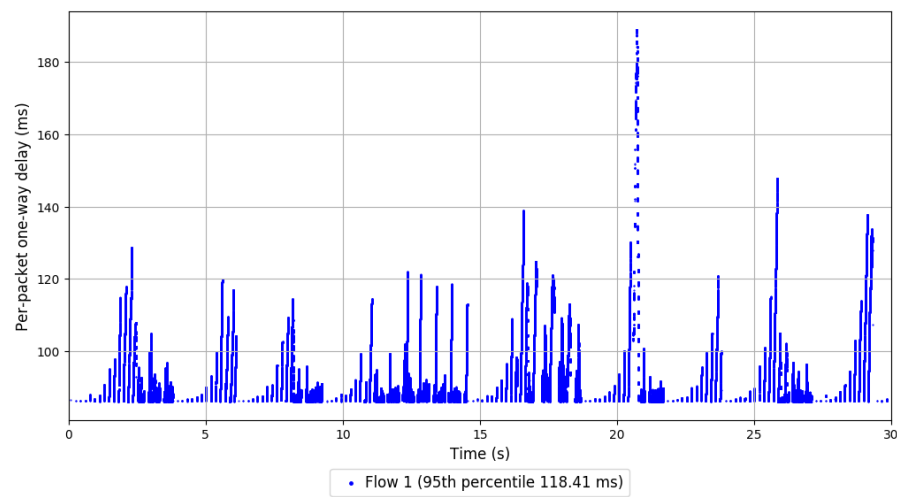
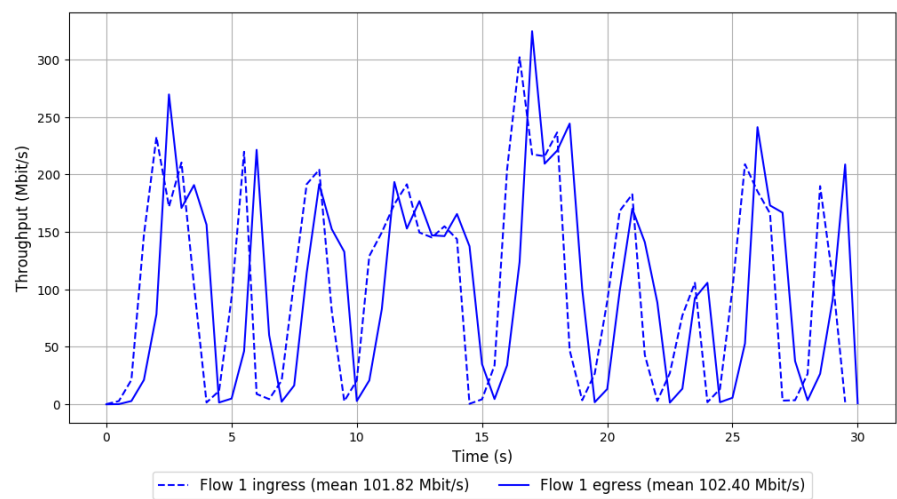
-- Flow 1:

Average throughput: 102.40 Mbit/s

95th percentile per-packet one-way delay: 118.409 ms

Loss rate: 0.02%

Run 6: Report of Verus — Data Link

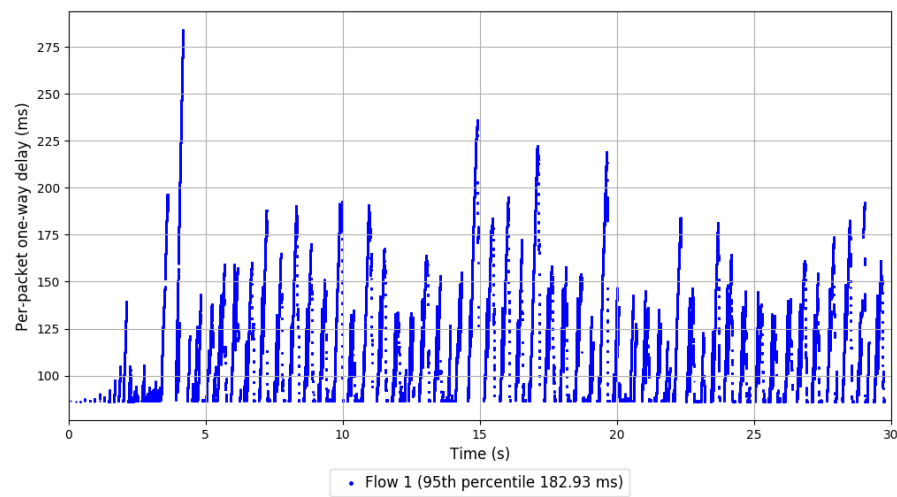
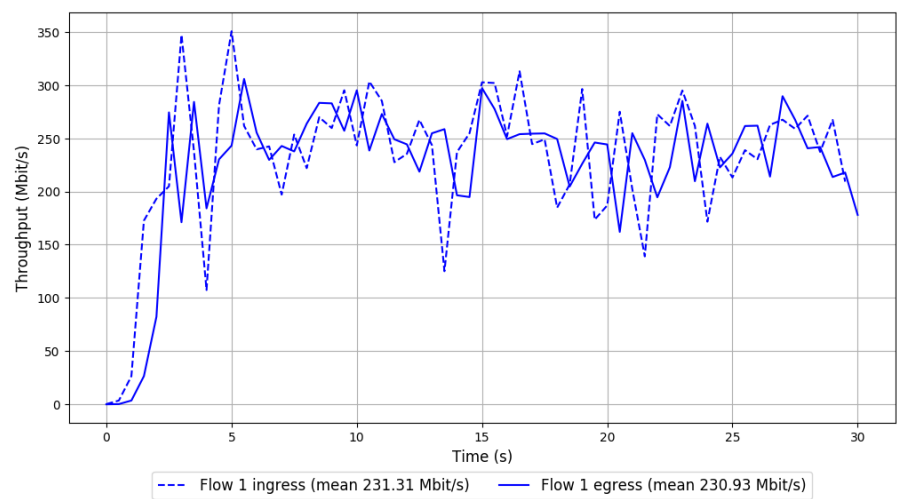


Run 7: Statistics of Verus

Start at: 2018-07-04 00:17:10
End at: 2018-07-04 00:17:40
Local clock offset: -0.032 ms
Remote clock offset: 1.132 ms

Below is generated by plot.py at 2018-07-04 02:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.93 Mbit/s
95th percentile per-packet one-way delay: 182.930 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 230.93 Mbit/s
95th percentile per-packet one-way delay: 182.930 ms
Loss rate: 1.17%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-04 00:39:02

End at: 2018-07-04 00:39:32

Local clock offset: 0.009 ms

Remote clock offset: 1.033 ms

Below is generated by plot.py at 2018-07-04 02:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.25 Mbit/s

95th percentile per-packet one-way delay: 122.901 ms

Loss rate: 1.07%

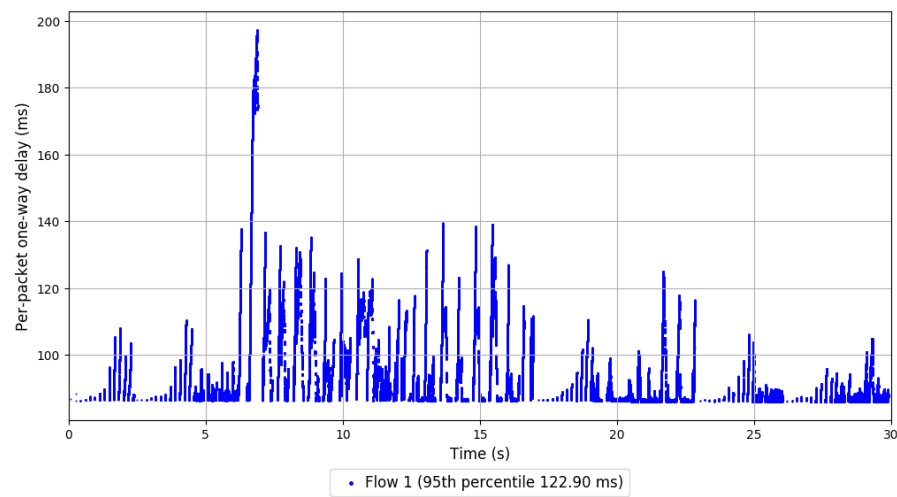
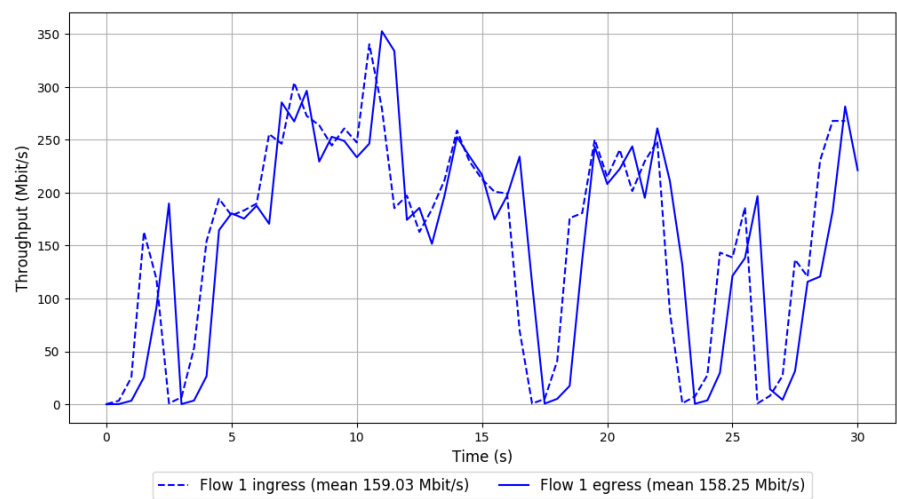
-- Flow 1:

Average throughput: 158.25 Mbit/s

95th percentile per-packet one-way delay: 122.901 ms

Loss rate: 1.07%

Run 8: Report of Verus — Data Link

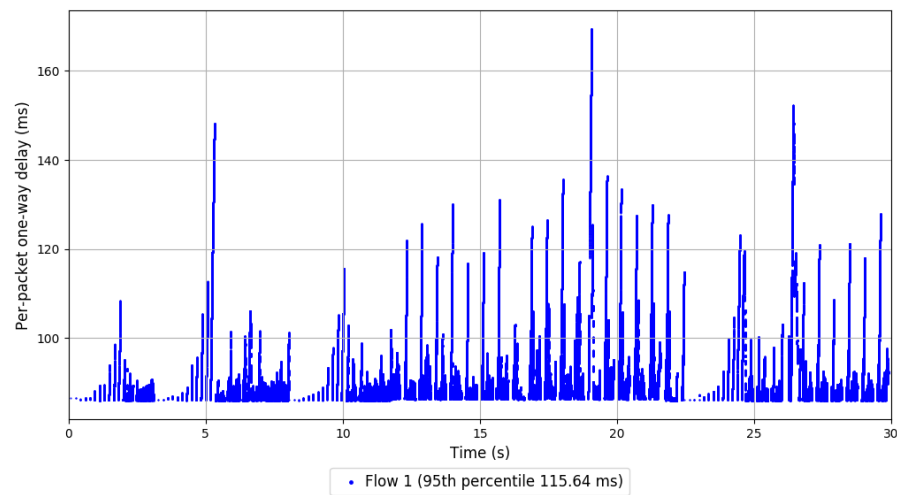
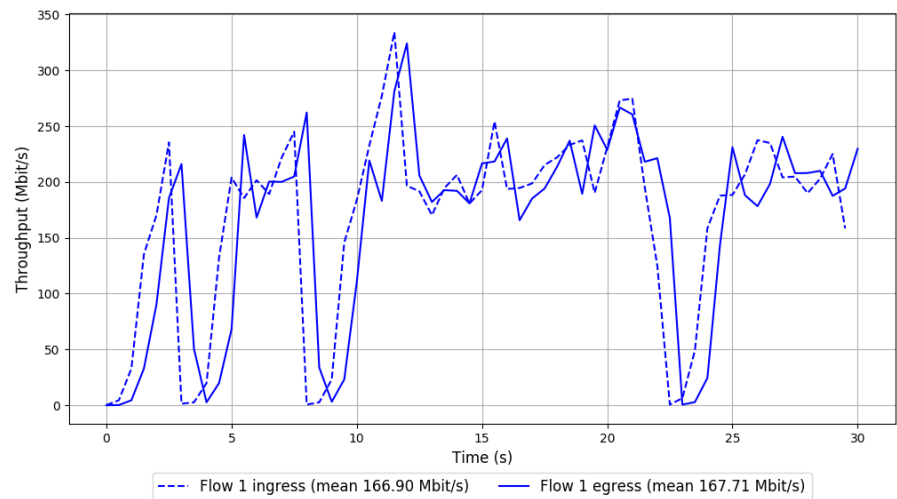


Run 9: Statistics of Verus

Start at: 2018-07-04 01:00:40
End at: 2018-07-04 01:01:10
Local clock offset: -0.024 ms
Remote clock offset: -0.406 ms

Below is generated by plot.py at 2018-07-04 02:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.71 Mbit/s
95th percentile per-packet one-way delay: 115.638 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 167.71 Mbit/s
95th percentile per-packet one-way delay: 115.638 ms
Loss rate: 0.10%

Run 9: Report of Verus — Data Link

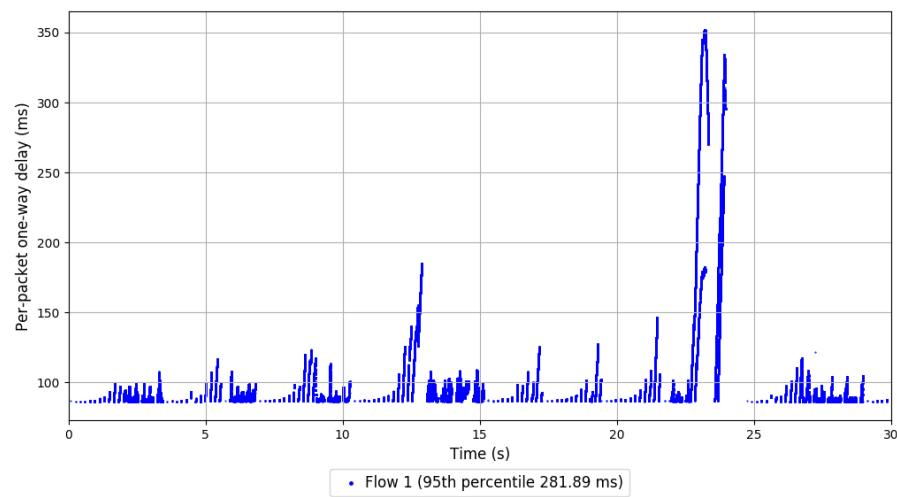
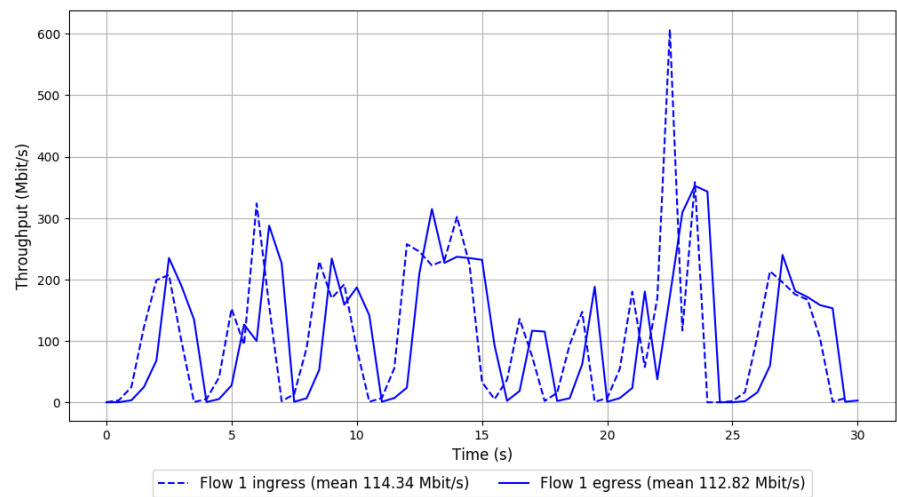


Run 10: Statistics of Verus

Start at: 2018-07-04 01:22:47
End at: 2018-07-04 01:23:17
Local clock offset: -0.053 ms
Remote clock offset: -0.859 ms

Below is generated by plot.py at 2018-07-04 02:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.82 Mbit/s
95th percentile per-packet one-way delay: 281.895 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 112.82 Mbit/s
95th percentile per-packet one-way delay: 281.895 ms
Loss rate: 1.90%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-03 22:04:23

End at: 2018-07-03 22:04:53

Local clock offset: -0.131 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-07-04 02:59:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.97 Mbit/s

95th percentile per-packet one-way delay: 87.879 ms

Loss rate: 0.66%

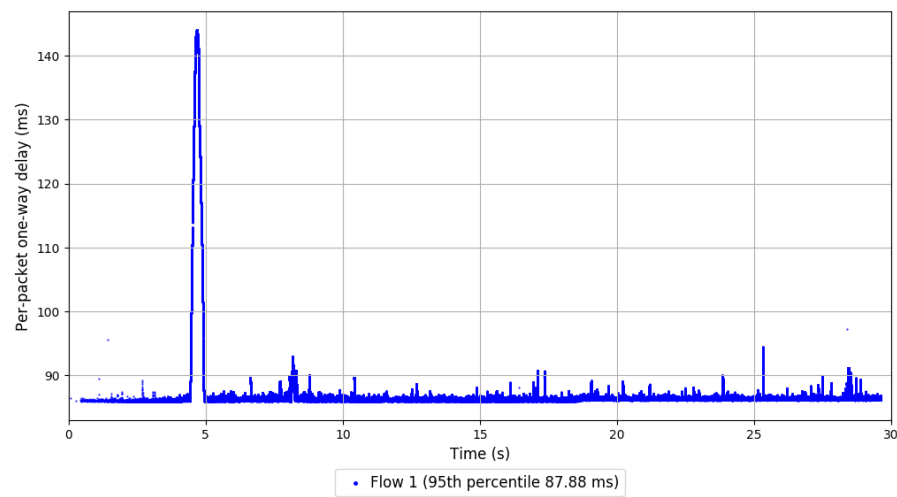
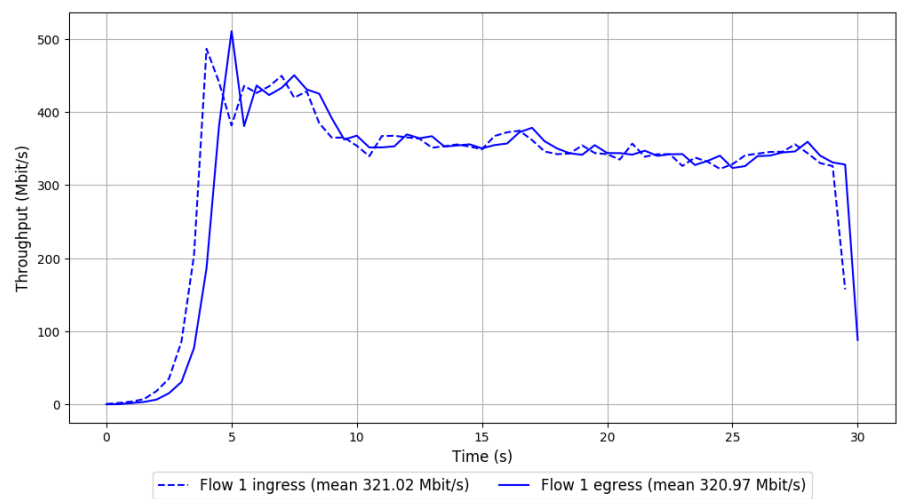
-- Flow 1:

Average throughput: 320.97 Mbit/s

95th percentile per-packet one-way delay: 87.879 ms

Loss rate: 0.66%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-03 22:26:15

End at: 2018-07-03 22:26:45

Local clock offset: 0.076 ms

Remote clock offset: 0.438 ms

Below is generated by plot.py at 2018-07-04 02:59:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 86.756 ms

Loss rate: 4.55%

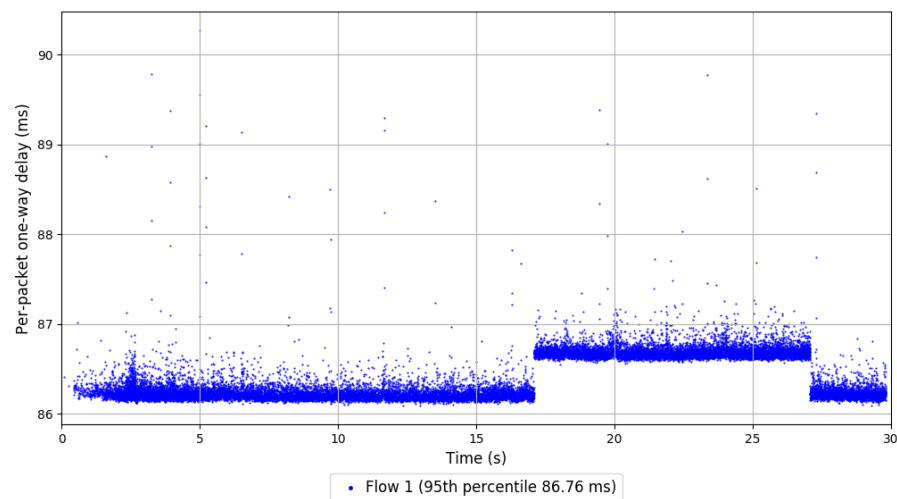
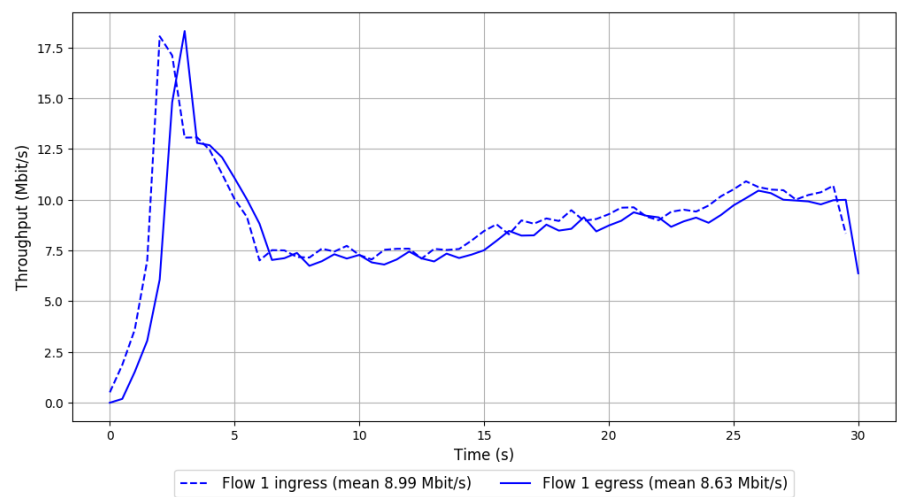
-- Flow 1:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 86.756 ms

Loss rate: 4.55%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-03 22:47:30

End at: 2018-07-03 22:48:00

Local clock offset: -0.144 ms

Remote clock offset: 0.525 ms

Below is generated by plot.py at 2018-07-04 02:59:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.93 Mbit/s

95th percentile per-packet one-way delay: 87.558 ms

Loss rate: 0.61%

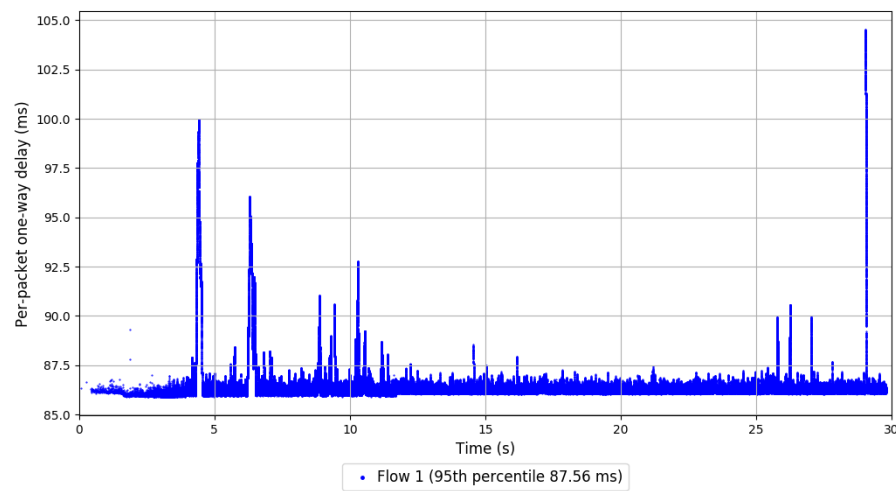
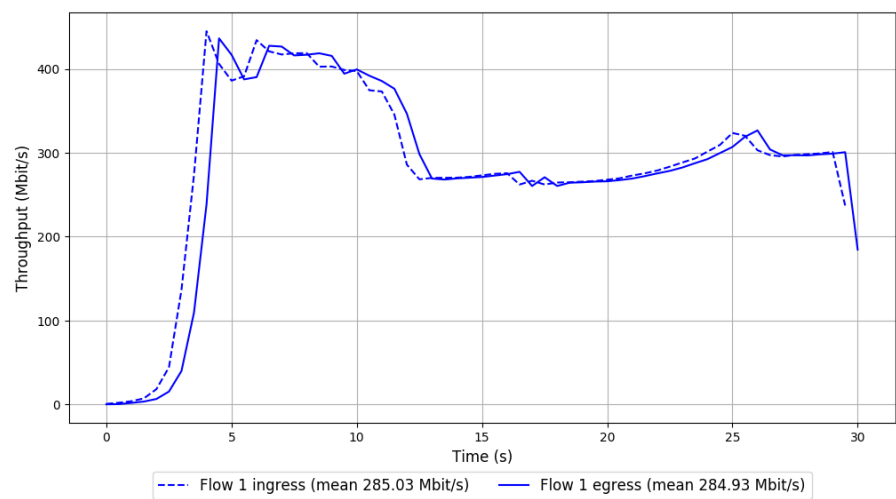
-- Flow 1:

Average throughput: 284.93 Mbit/s

95th percentile per-packet one-way delay: 87.558 ms

Loss rate: 0.61%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-03 23:09:15

End at: 2018-07-03 23:09:45

Local clock offset: -0.038 ms

Remote clock offset: 0.681 ms

Below is generated by plot.py at 2018-07-04 02:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.57 Mbit/s

95th percentile per-packet one-way delay: 90.648 ms

Loss rate: 0.67%

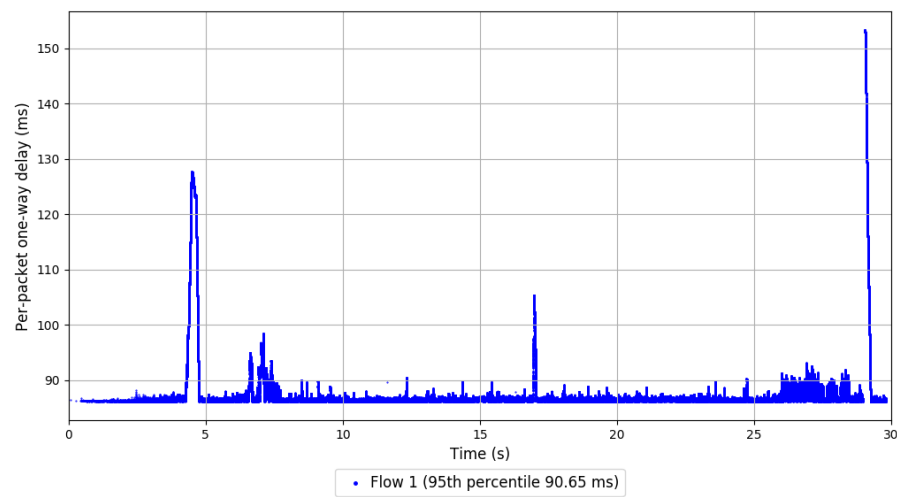
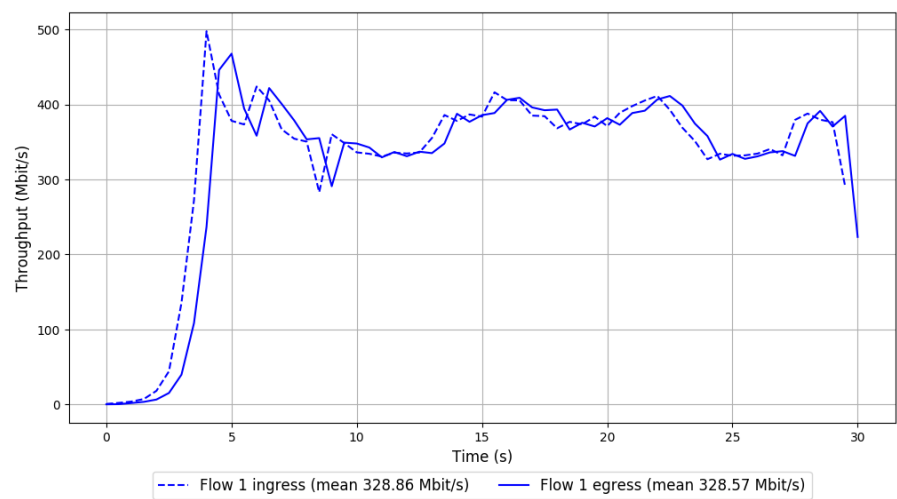
-- Flow 1:

Average throughput: 328.57 Mbit/s

95th percentile per-packet one-way delay: 90.648 ms

Loss rate: 0.67%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-03 23:31:04

End at: 2018-07-03 23:31:34

Local clock offset: -0.091 ms

Remote clock offset: 0.848 ms

Below is generated by plot.py at 2018-07-04 03:00:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.49 Mbit/s

95th percentile per-packet one-way delay: 88.154 ms

Loss rate: 0.58%

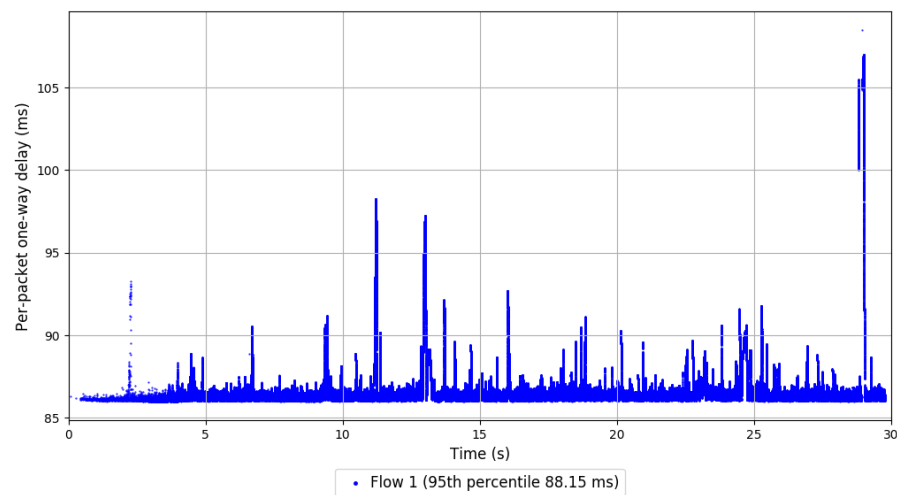
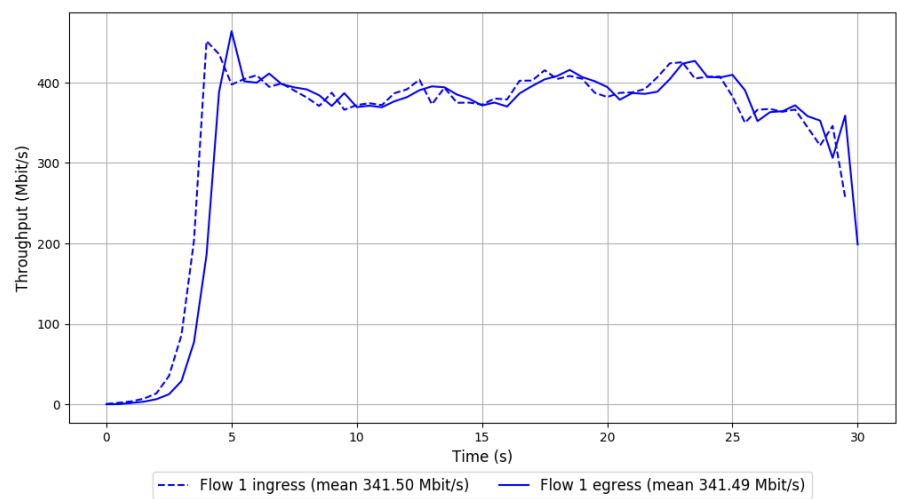
-- Flow 1:

Average throughput: 341.49 Mbit/s

95th percentile per-packet one-way delay: 88.154 ms

Loss rate: 0.58%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-03 23:52:45

End at: 2018-07-03 23:53:15

Local clock offset: 0.001 ms

Remote clock offset: 1.017 ms

Below is generated by plot.py at 2018-07-04 03:01:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.95 Mbit/s

95th percentile per-packet one-way delay: 86.692 ms

Loss rate: 0.55%

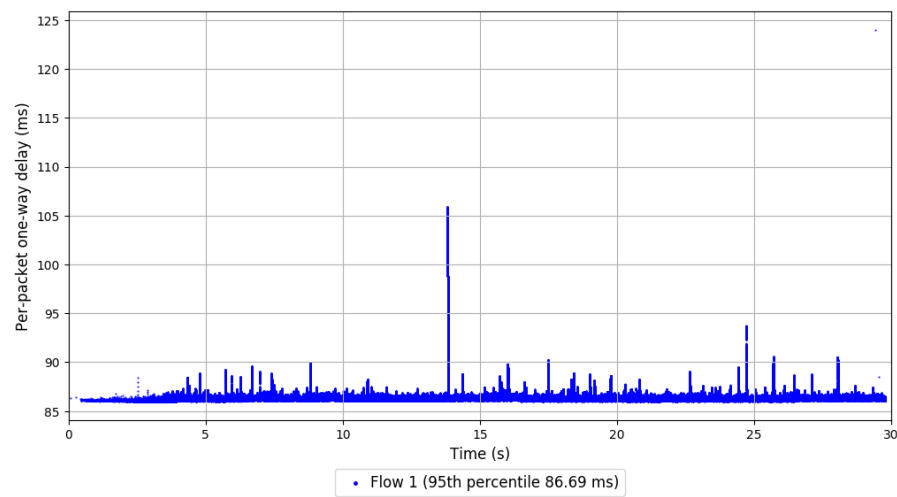
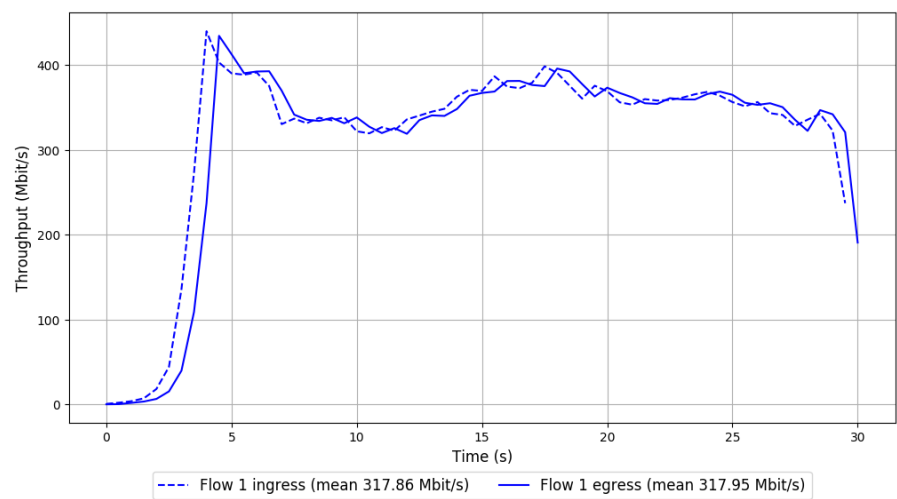
-- Flow 1:

Average throughput: 317.95 Mbit/s

95th percentile per-packet one-way delay: 86.692 ms

Loss rate: 0.55%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-04 00:14:40

End at: 2018-07-04 00:15:10

Local clock offset: 0.087 ms

Remote clock offset: 1.111 ms

Below is generated by plot.py at 2018-07-04 03:01:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.03 Mbit/s

95th percentile per-packet one-way delay: 86.682 ms

Loss rate: 0.68%

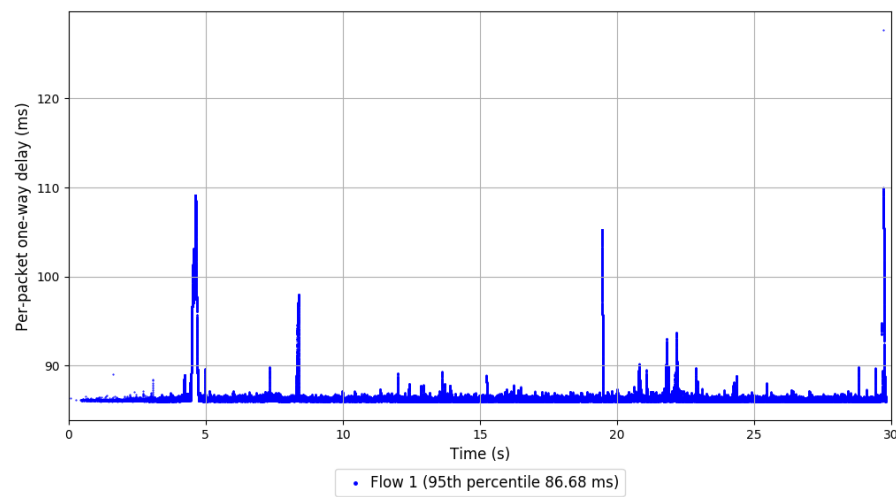
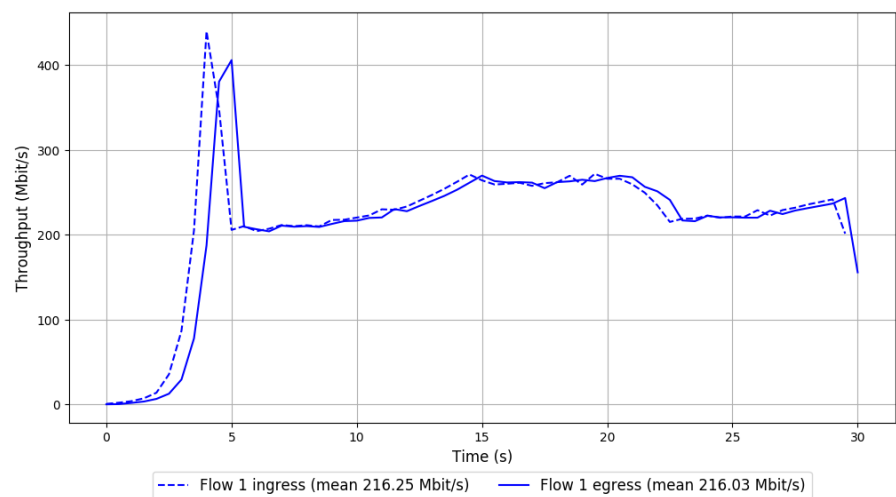
-- Flow 1:

Average throughput: 216.03 Mbit/s

95th percentile per-packet one-way delay: 86.682 ms

Loss rate: 0.68%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-04 00:36:24

End at: 2018-07-04 00:36:54

Local clock offset: 0.145 ms

Remote clock offset: 1.238 ms

Below is generated by plot.py at 2018-07-04 03:01:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.56 Mbit/s

95th percentile per-packet one-way delay: 91.339 ms

Loss rate: 0.73%

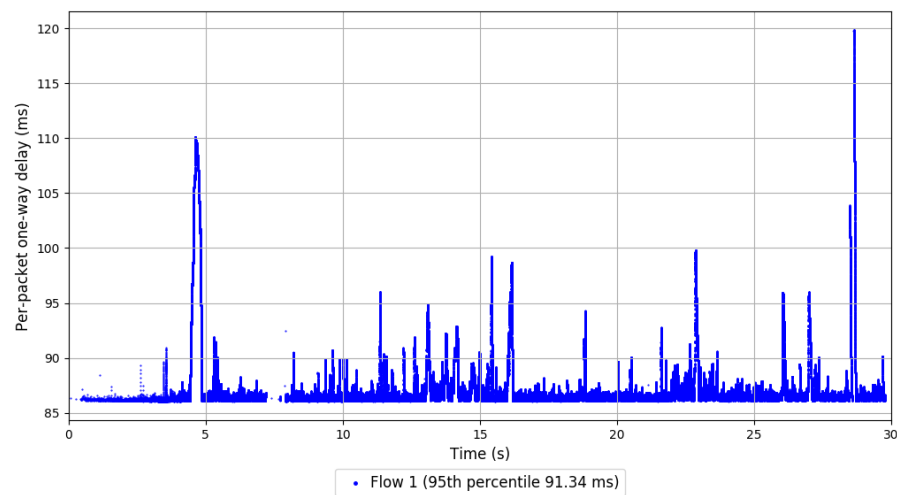
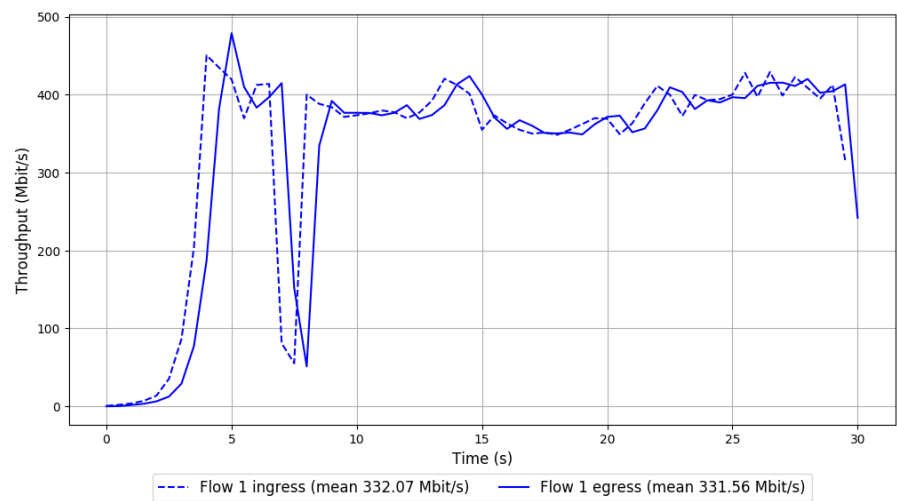
-- Flow 1:

Average throughput: 331.56 Mbit/s

95th percentile per-packet one-way delay: 91.339 ms

Loss rate: 0.73%

Run 8: Report of PCC-Vivace — Data Link

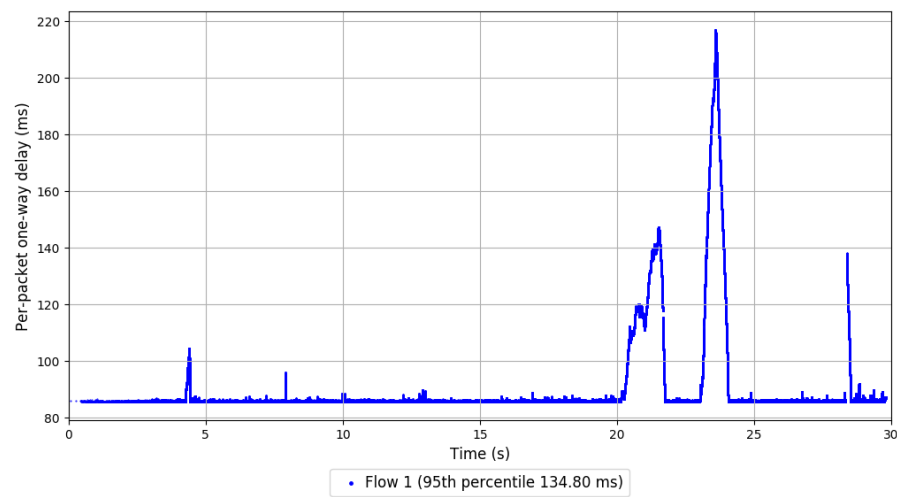
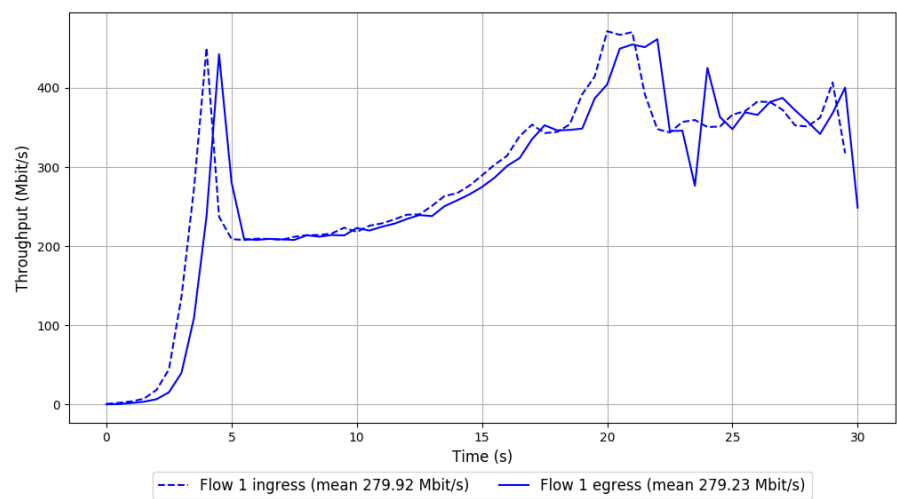


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-04 00:58:06
End at: 2018-07-04 00:58:36
Local clock offset: -0.176 ms
Remote clock offset: -0.407 ms

Below is generated by plot.py at 2018-07-04 03:01:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 279.23 Mbit/s
95th percentile per-packet one-way delay: 134.802 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 279.23 Mbit/s
95th percentile per-packet one-way delay: 134.802 ms
Loss rate: 0.82%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-04 01:20:13

End at: 2018-07-04 01:20:43

Local clock offset: 0.11 ms

Remote clock offset: -0.819 ms

Below is generated by plot.py at 2018-07-04 03:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 287.54 Mbit/s

95th percentile per-packet one-way delay: 92.540 ms

Loss rate: 0.78%

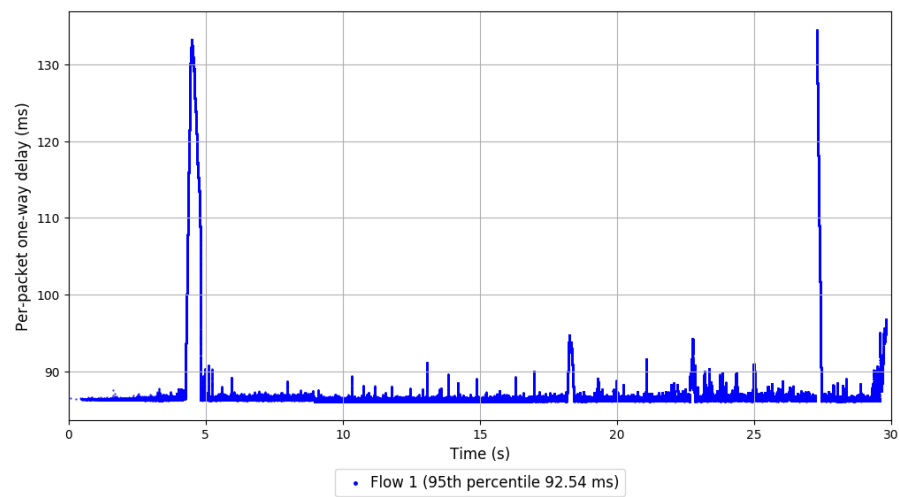
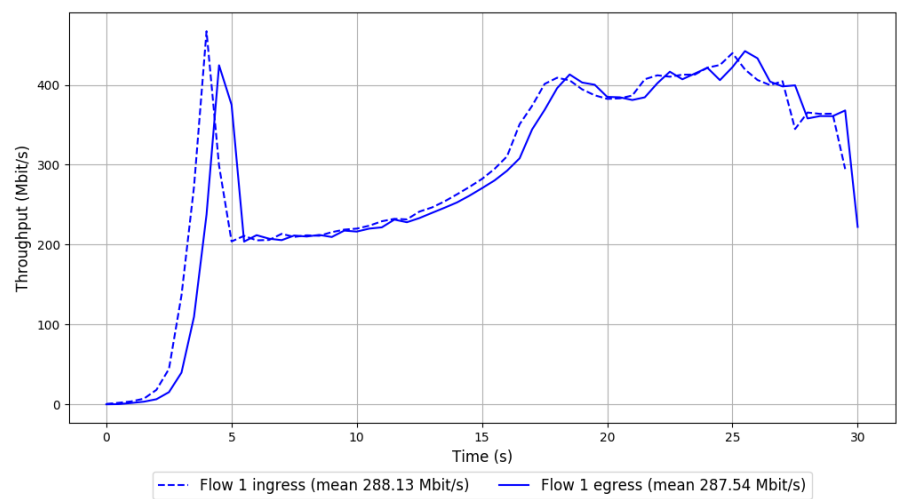
-- Flow 1:

Average throughput: 287.54 Mbit/s

95th percentile per-packet one-way delay: 92.540 ms

Loss rate: 0.78%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

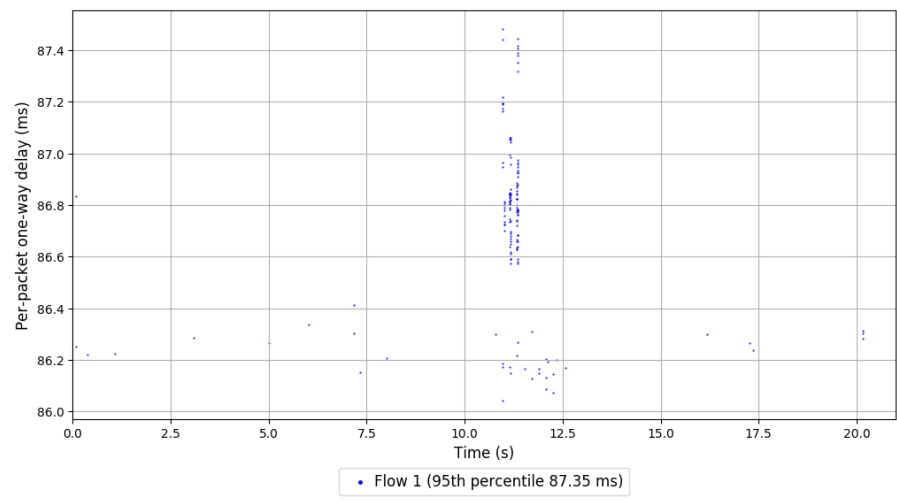
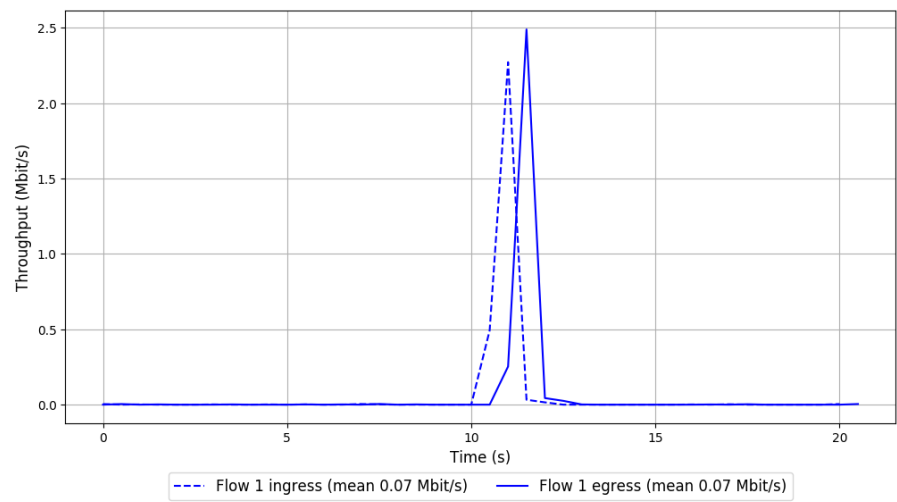
Start at: 2018-07-03 22:15:49

End at: 2018-07-03 22:16:19

Local clock offset: -0.003 ms

Remote clock offset: 0.415 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-03 22:37:27

End at: 2018-07-03 22:37:57

Local clock offset: 0.079 ms

Remote clock offset: 0.507 ms

Below is generated by plot.py at 2018-07-04 03:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 86.741 ms

Loss rate: 0.62%

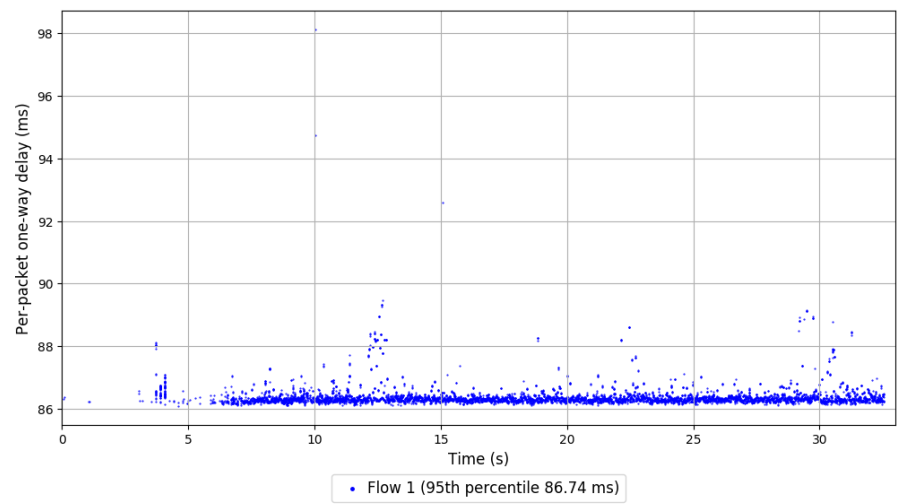
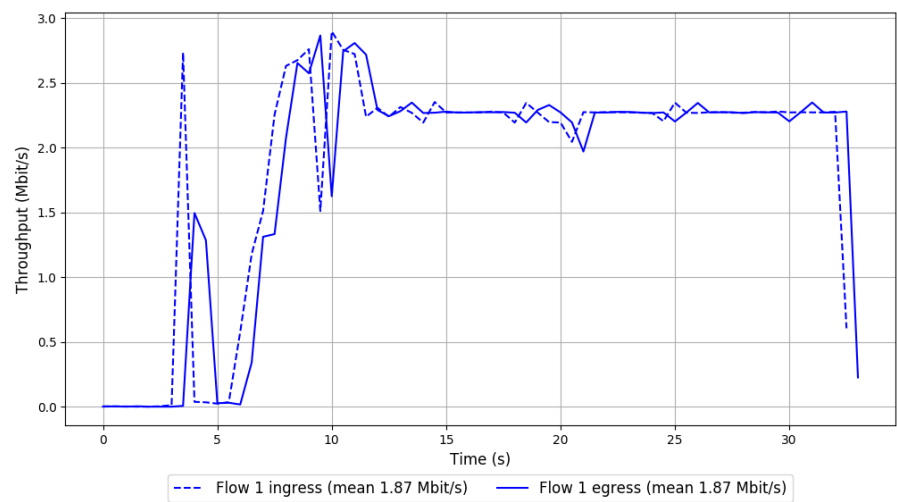
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 86.741 ms

Loss rate: 0.62%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-03 22:59:05

End at: 2018-07-03 22:59:35

Local clock offset: -0.061 ms

Remote clock offset: 0.642 ms

Below is generated by plot.py at 2018-07-04 03:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.549 ms

Loss rate: 0.67%

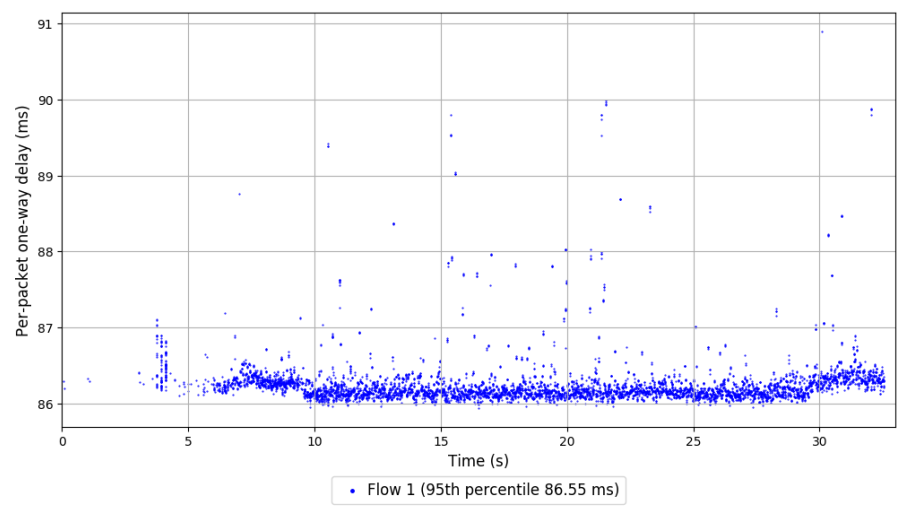
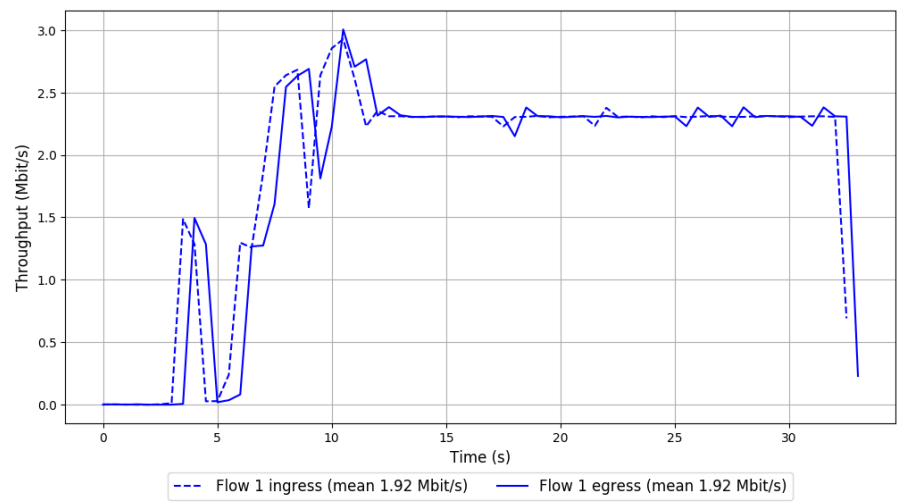
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.549 ms

Loss rate: 0.67%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-03 23:20:55

End at: 2018-07-03 23:21:25

Local clock offset: -0.017 ms

Remote clock offset: 0.815 ms

Below is generated by plot.py at 2018-07-04 03:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.547 ms

Loss rate: 0.62%

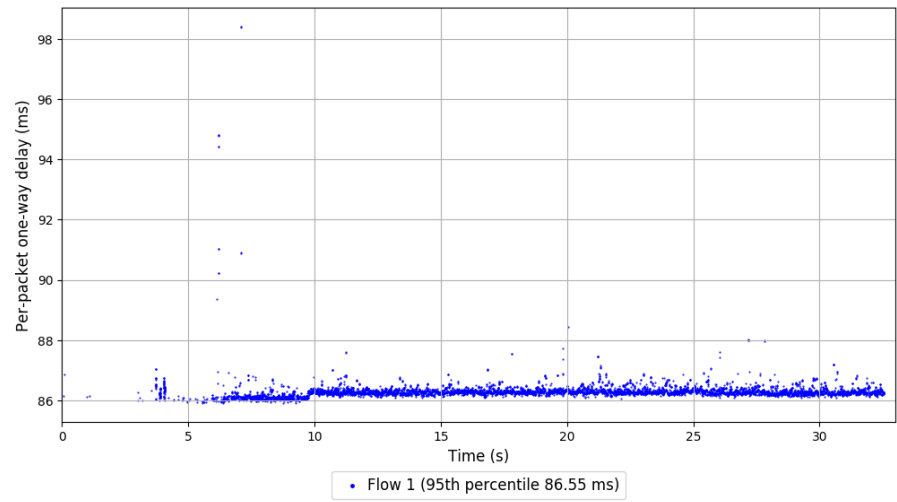
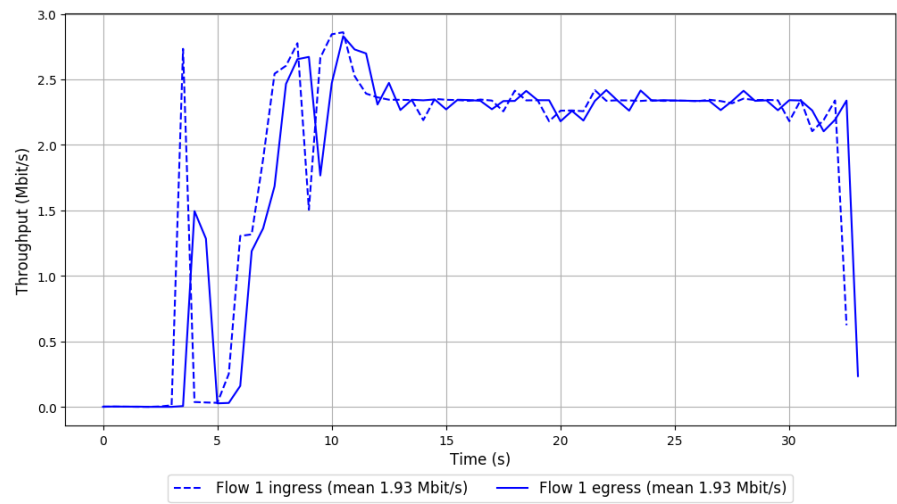
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.547 ms

Loss rate: 0.62%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-03 23:42:46

End at: 2018-07-03 23:43:16

Local clock offset: 0.076 ms

Remote clock offset: 0.903 ms

Below is generated by plot.py at 2018-07-04 03:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.635 ms

Loss rate: 0.67%

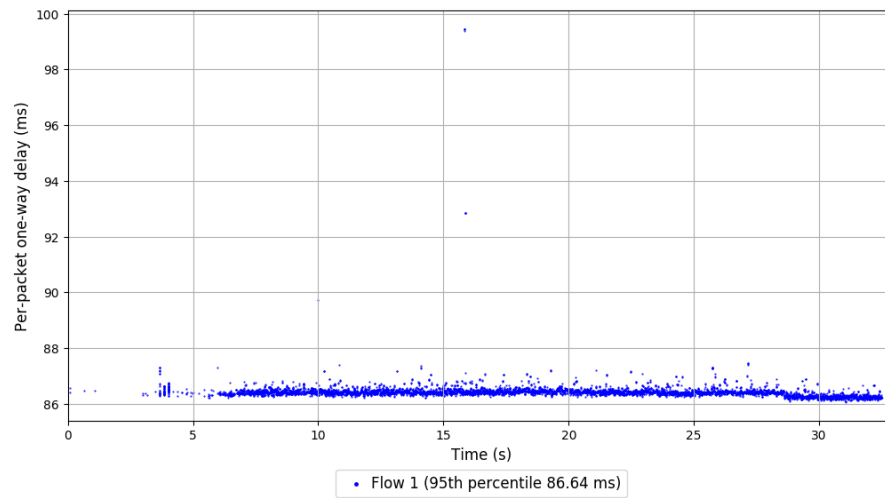
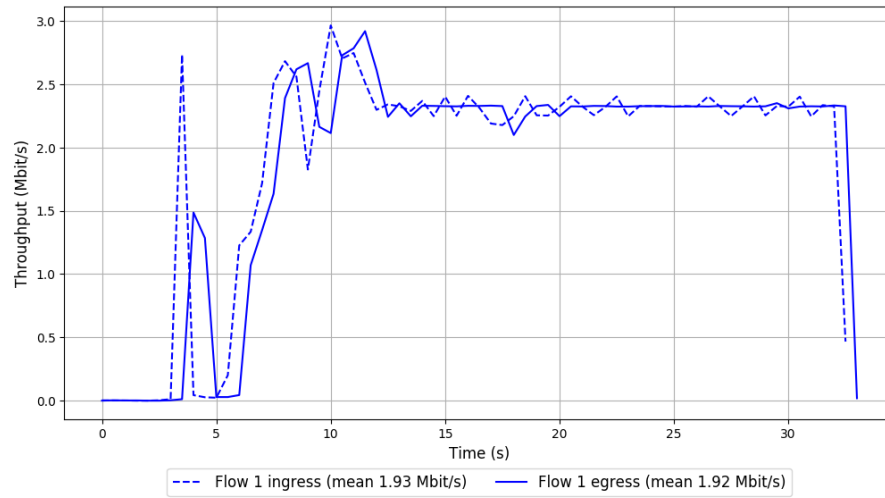
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.635 ms

Loss rate: 0.67%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

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

End at: 2018-07-04 00:04:48

Local clock offset: 0.013 ms

Remote clock offset: 1.006 ms

Below is generated by plot.py at 2018-07-04 03:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.504 ms

Loss rate: 0.68%

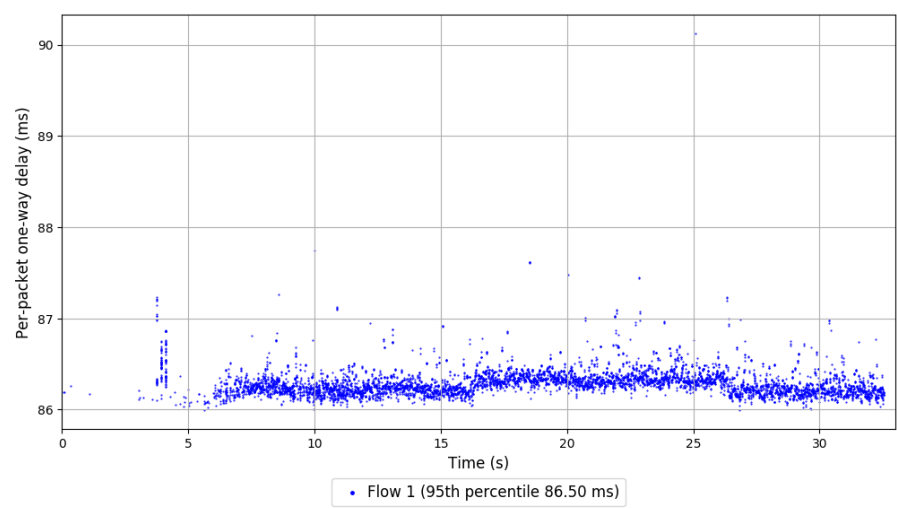
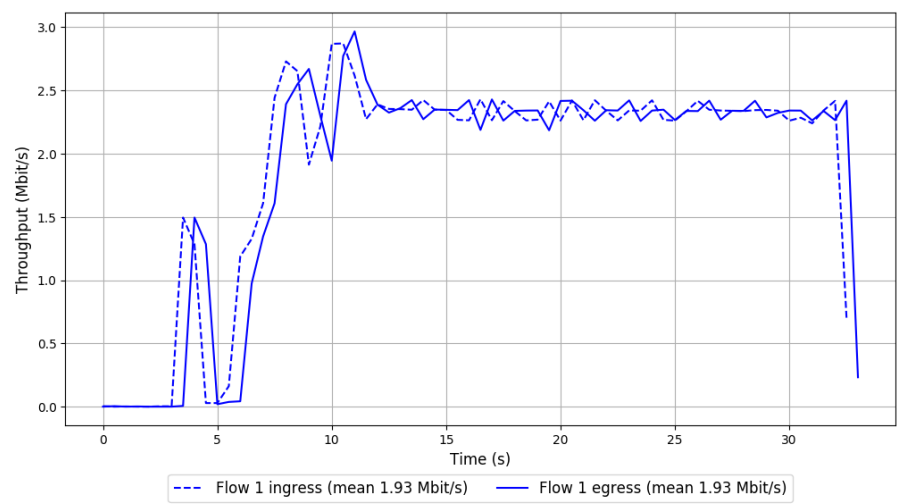
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.504 ms

Loss rate: 0.68%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-04 00:26:10

End at: 2018-07-04 00:26:40

Local clock offset: -0.268 ms

Remote clock offset: 1.176 ms

Below is generated by plot.py at 2018-07-04 03:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 86.554 ms

Loss rate: 0.68%

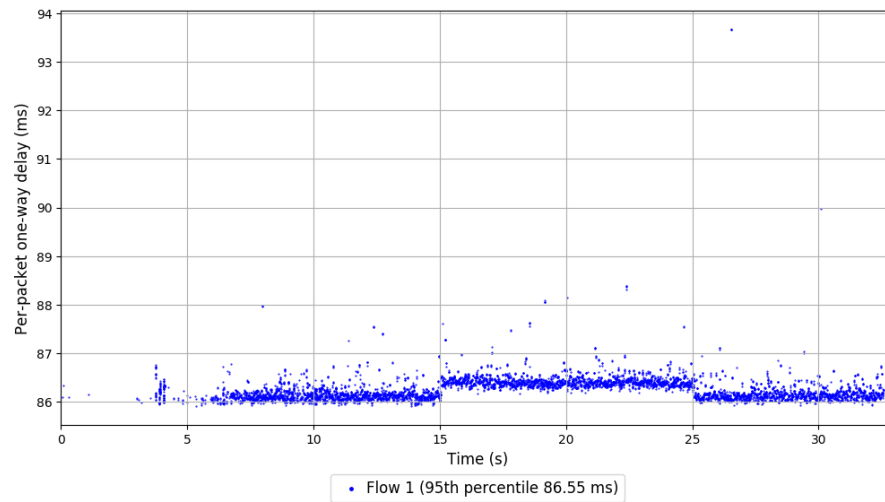
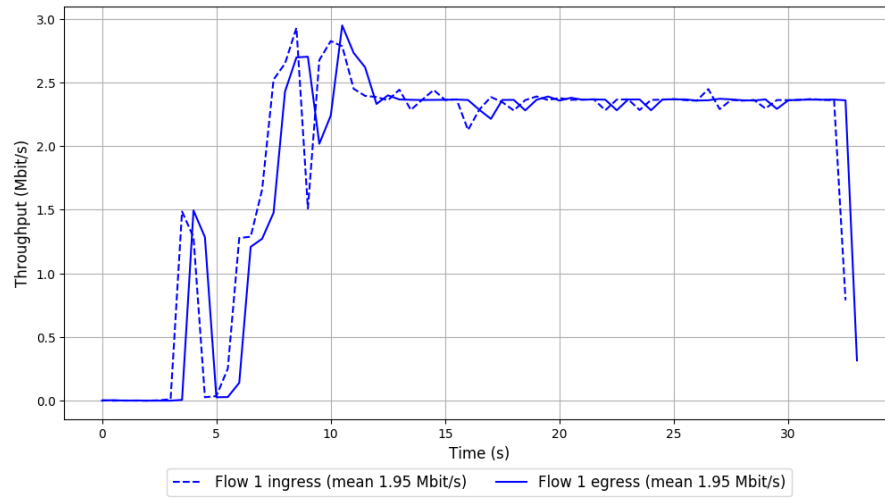
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 86.554 ms

Loss rate: 0.68%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-04 00:48:03

End at: 2018-07-04 00:48:33

Local clock offset: 0.143 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-04 03:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 86.823 ms

Loss rate: 0.67%

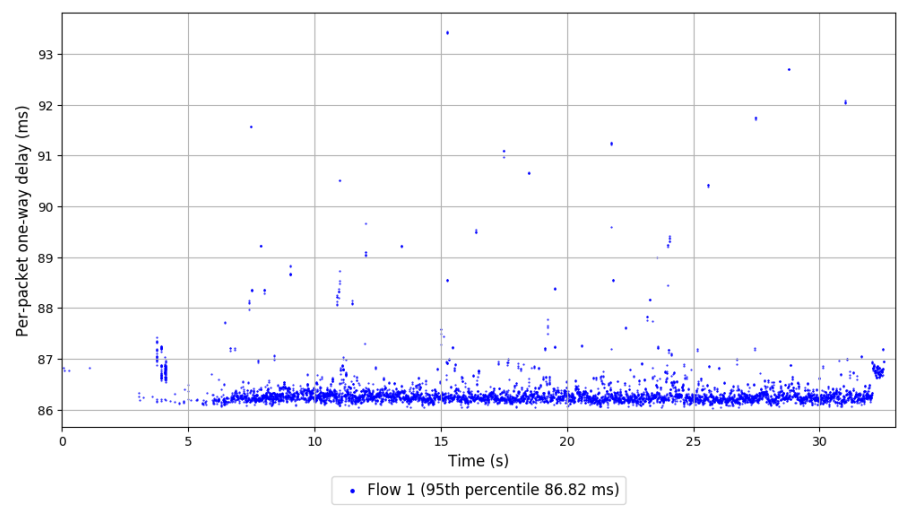
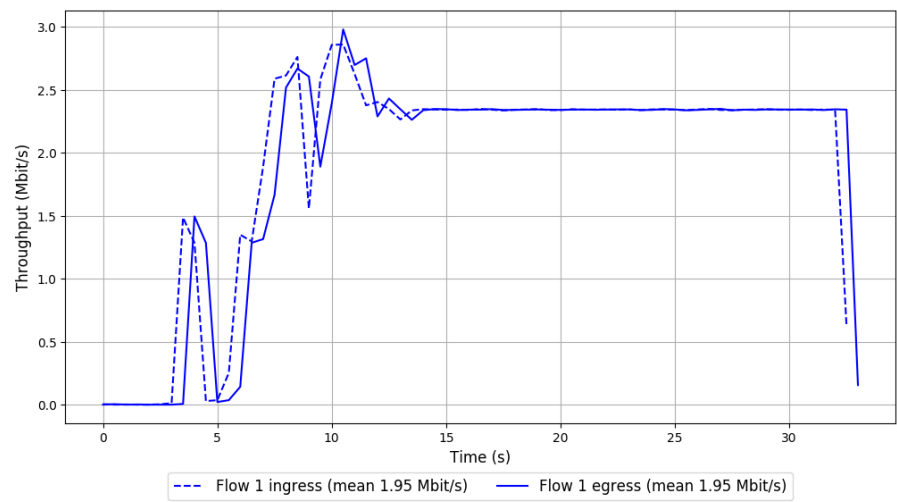
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 86.823 ms

Loss rate: 0.67%

Run 8: Report of WebRTC media — Data Link

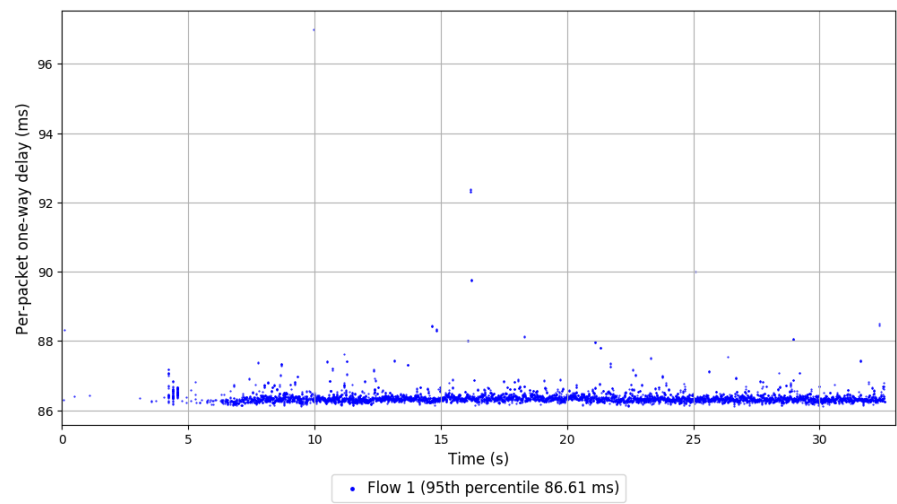
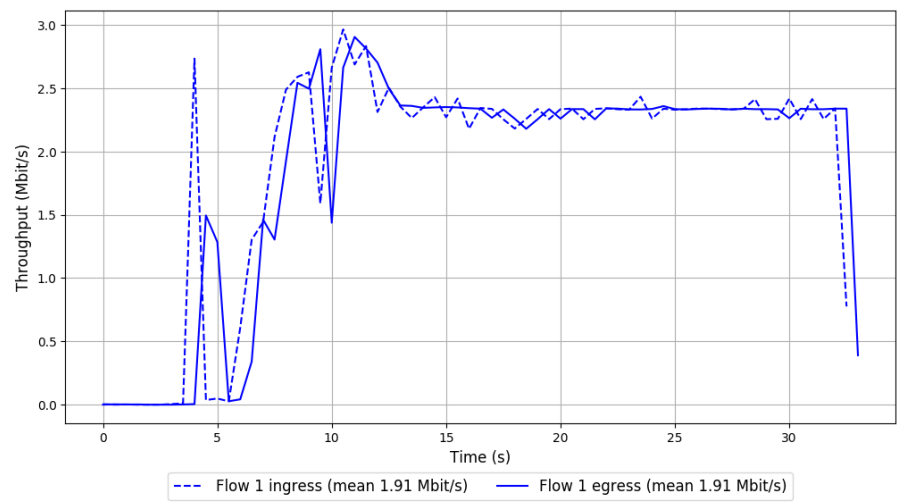


Run 9: Statistics of WebRTC media

Start at: 2018-07-04 01:09:46
End at: 2018-07-04 01:10:16
Local clock offset: 0.148 ms
Remote clock offset: -0.631 ms

Below is generated by plot.py at 2018-07-04 03:01:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.613 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.613 ms
Loss rate: 0.62%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-04 01:31:42

End at: 2018-07-04 01:32:12

Local clock offset: 0.077 ms

Remote clock offset: -0.969 ms

Below is generated by plot.py at 2018-07-04 03:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 86.879 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 86.879 ms

Loss rate: 0.62%

Run 10: Report of WebRTC media — Data Link

