

Pantheon Report

Generated at 2018-07-04 06:29:13 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

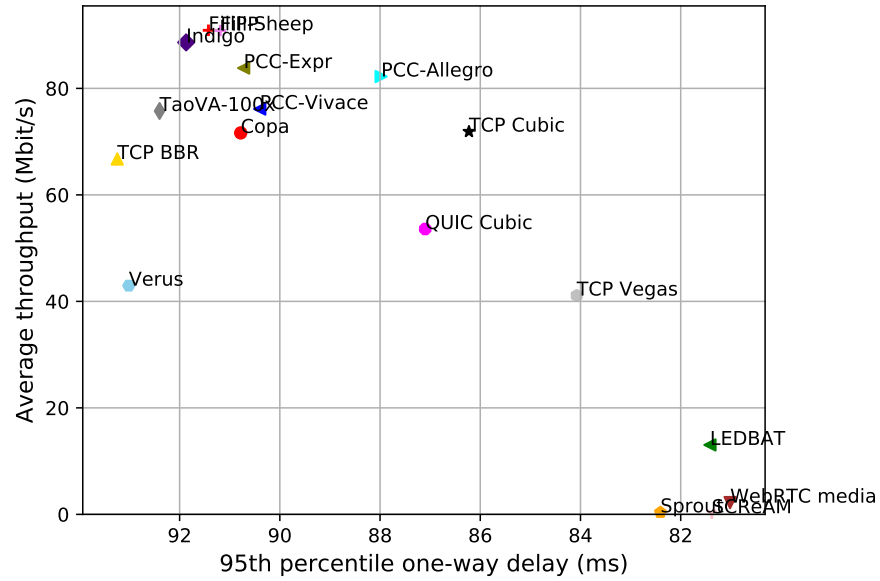
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

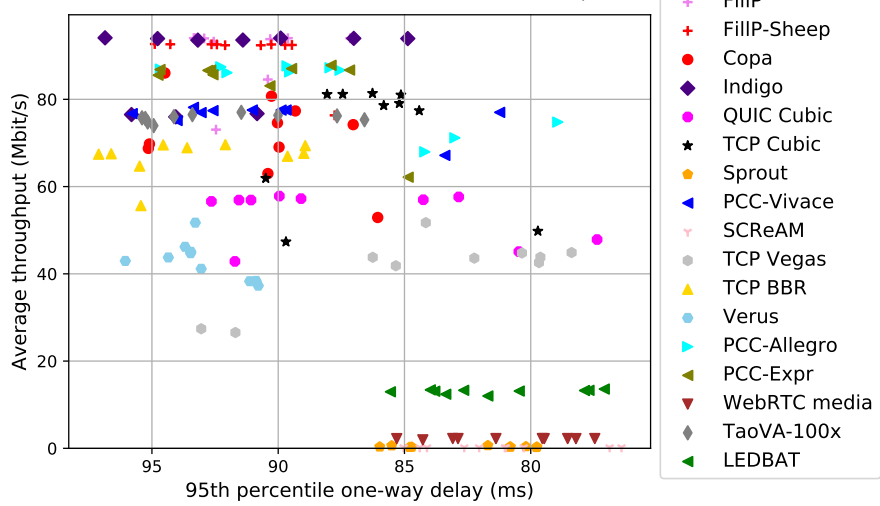
Git summary:

```
branch: master @ 9250dbeec7fb57193cdf1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
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-quick @ 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 Colombia to AWS Brazil 2, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



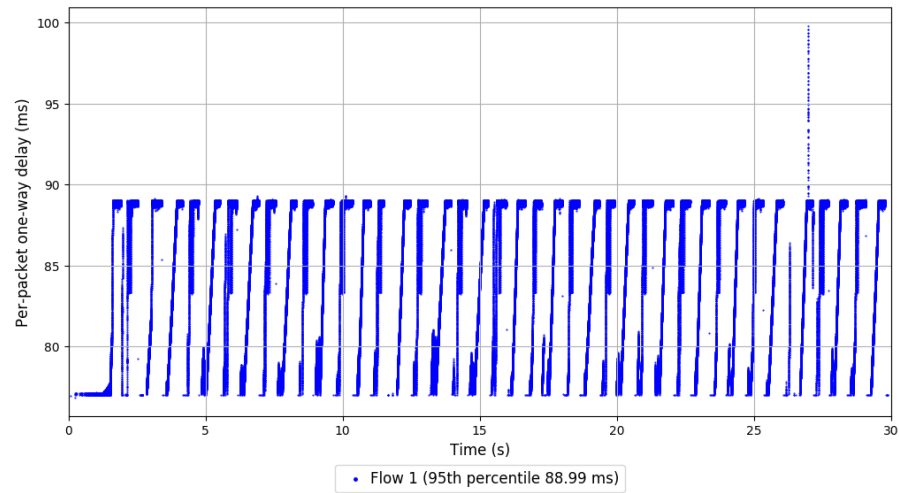
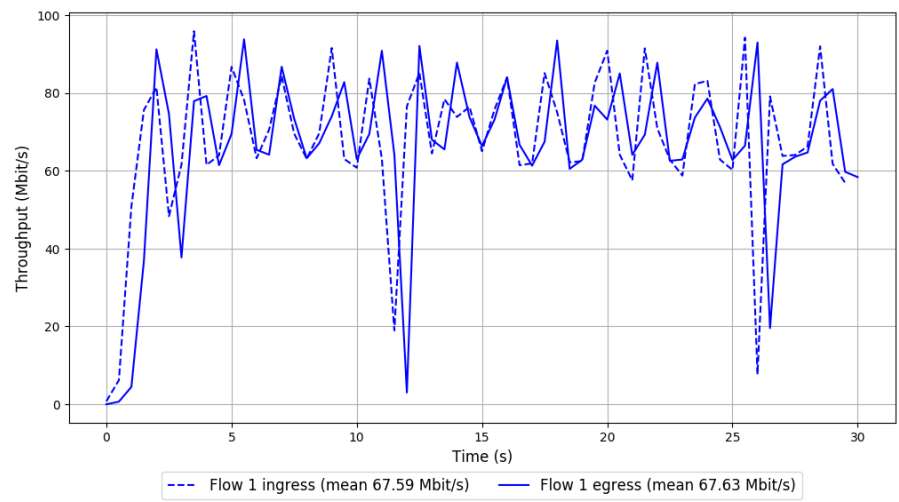
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	66.74	93.24	2.46
Copa	10	71.64	90.78	0.65
TCP Cubic	10	71.88	86.23	0.60
FillP	10	90.86	91.19	2.47
FillP-Sheep	10	90.91	91.42	2.35
Indigo	10	88.63	91.87	3.63
LEDBAT	10	13.04	81.42	1.10
PCC-Allegro	10	82.23	87.98	0.86
PCC-Expr	10	83.81	90.72	0.91
QUIC Cubic	10	53.59	87.10	1.06
SCReAM	10	0.22	81.38	0.52
Sprout	10	0.38	82.41	0.43
TaoVA-100x	10	75.75	92.40	0.72
TCP Vegas	10	41.09	84.08	0.61
Verus	10	42.95	93.01	3.64
PCC-Vivace	10	76.12	90.40	0.84
WebRTC media	10	2.21	81.01	0.32

Run 1: Statistics of TCP BBR

Start at: 2018-07-04 03:06:29
End at: 2018-07-04 03:06:59
Local clock offset: -1.606 ms
Remote clock offset: 10.317 ms

Below is generated by plot.py at 2018-07-04 06:11:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 88.986 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 88.986 ms
Loss rate: 0.55%

Run 1: Report of TCP BBR — Data Link

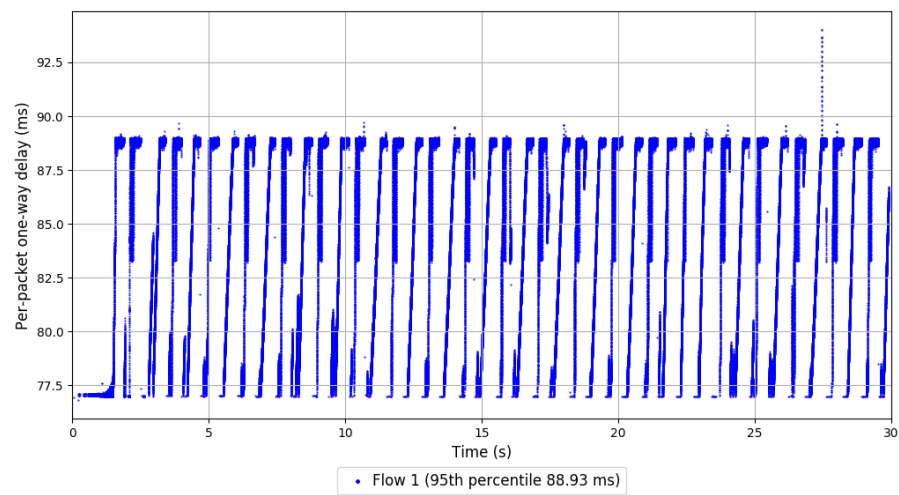
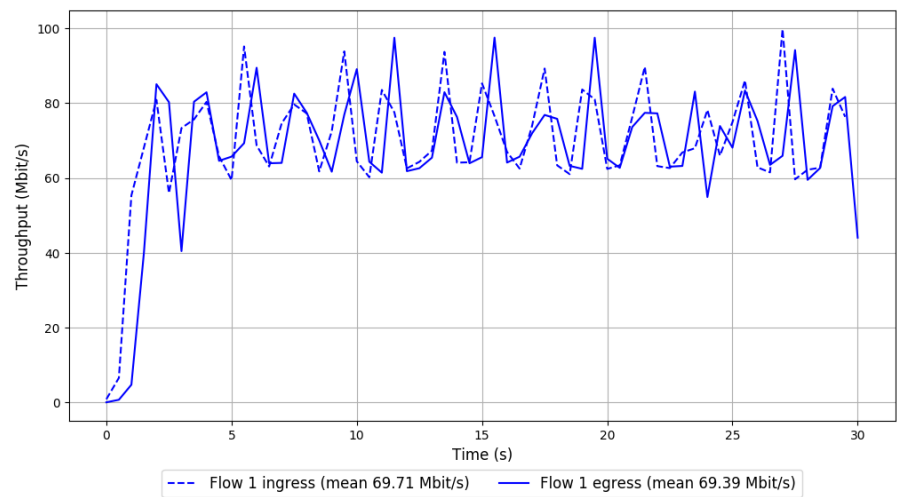


Run 2: Statistics of TCP BBR

Start at: 2018-07-04 03:26:17
End at: 2018-07-04 03:26:47
Local clock offset: -2.471 ms
Remote clock offset: 10.573 ms

Below is generated by plot.py at 2018-07-04 06:11:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.39 Mbit/s
95th percentile per-packet one-way delay: 88.929 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 69.39 Mbit/s
95th percentile per-packet one-way delay: 88.929 ms
Loss rate: 1.03%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-04 03:46:06

End at: 2018-07-04 03:46:36

Local clock offset: -2.543 ms

Remote clock offset: 7.872 ms

Below is generated by plot.py at 2018-07-04 06:11:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.91 Mbit/s

95th percentile per-packet one-way delay: 93.606 ms

Loss rate: 0.35%

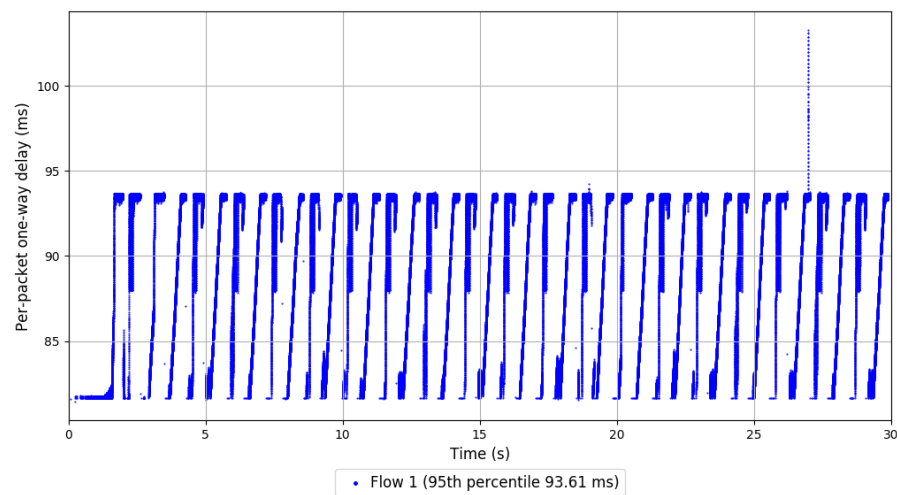
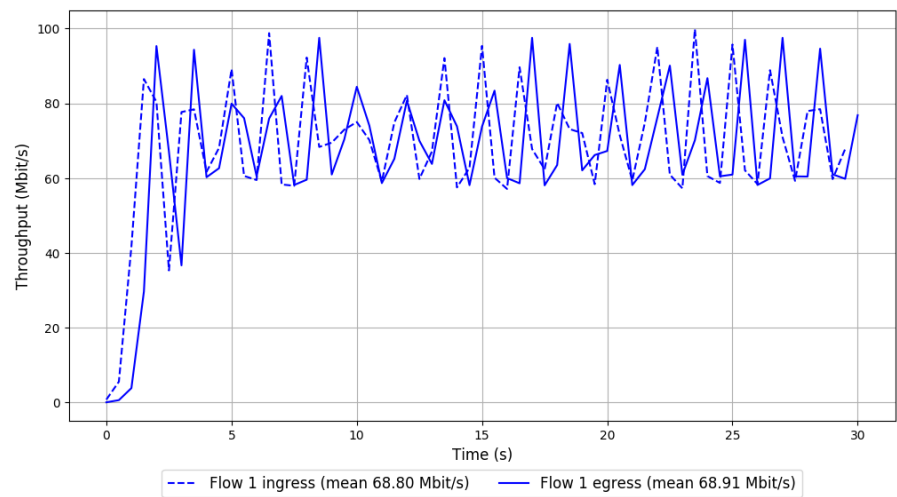
-- Flow 1:

Average throughput: 68.91 Mbit/s

95th percentile per-packet one-way delay: 93.606 ms

Loss rate: 0.35%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

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

End at: 2018-07-04 04:06:26

Local clock offset: -2.575 ms

Remote clock offset: 9.151 ms

Below is generated by plot.py at 2018-07-04 06:11:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.56 Mbit/s

95th percentile per-packet one-way delay: 94.553 ms

Loss rate: 3.69%

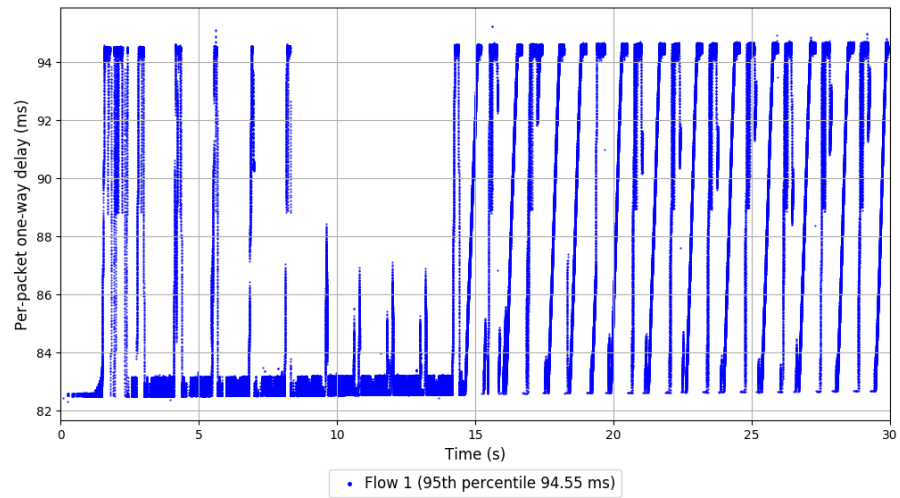
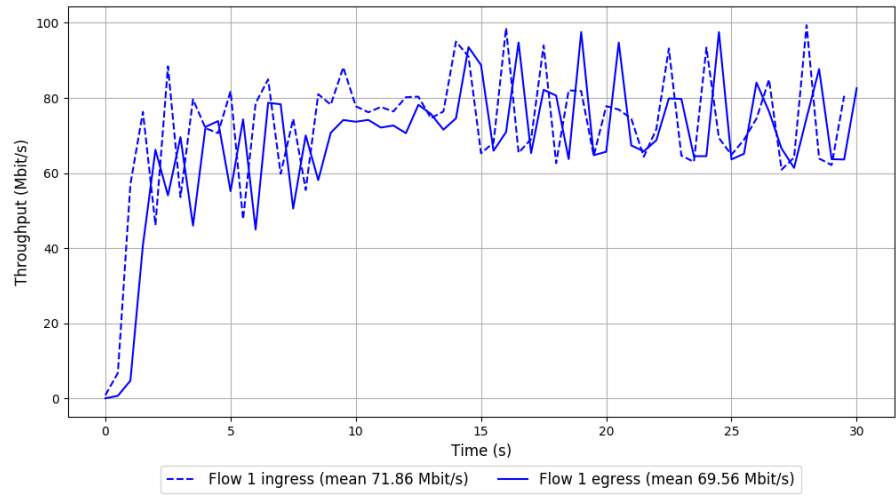
-- Flow 1:

Average throughput: 69.56 Mbit/s

95th percentile per-packet one-way delay: 94.553 ms

Loss rate: 3.69%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-04 04:25:52

End at: 2018-07-04 04:26:22

Local clock offset: -7.02 ms

Remote clock offset: 13.8 ms

Below is generated by plot.py at 2018-07-04 06:11:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.53 Mbit/s

95th percentile per-packet one-way delay: 96.612 ms

Loss rate: 1.02%

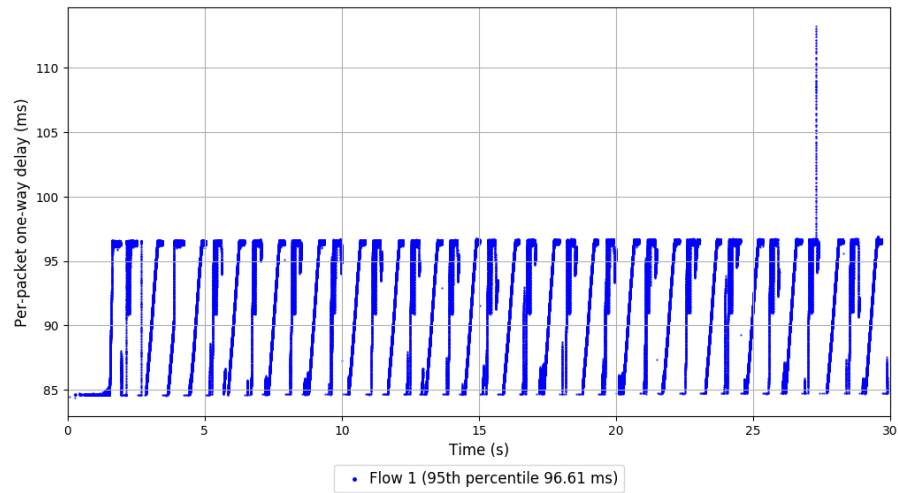
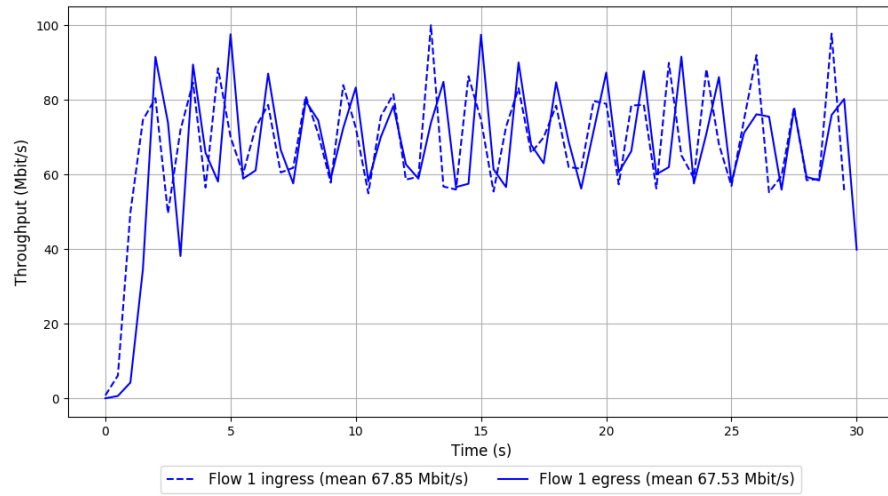
-- Flow 1:

Average throughput: 67.53 Mbit/s

95th percentile per-packet one-way delay: 96.612 ms

Loss rate: 1.02%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-04 04:45:44

End at: 2018-07-04 04:46:14

Local clock offset: -5.099 ms

Remote clock offset: 11.881 ms

Below is generated by plot.py at 2018-07-04 06:11:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 95.436 ms

Loss rate: 8.65%

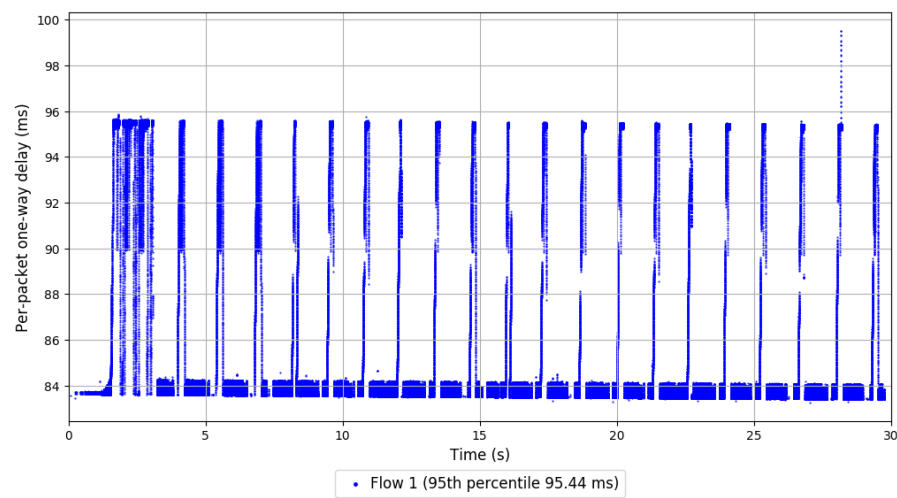
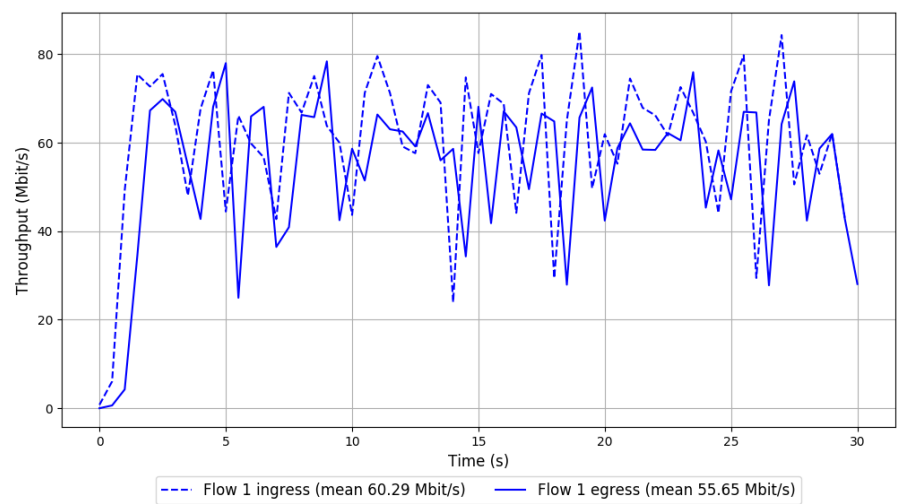
-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 95.436 ms

Loss rate: 8.65%

Run 6: Report of TCP BBR — Data Link

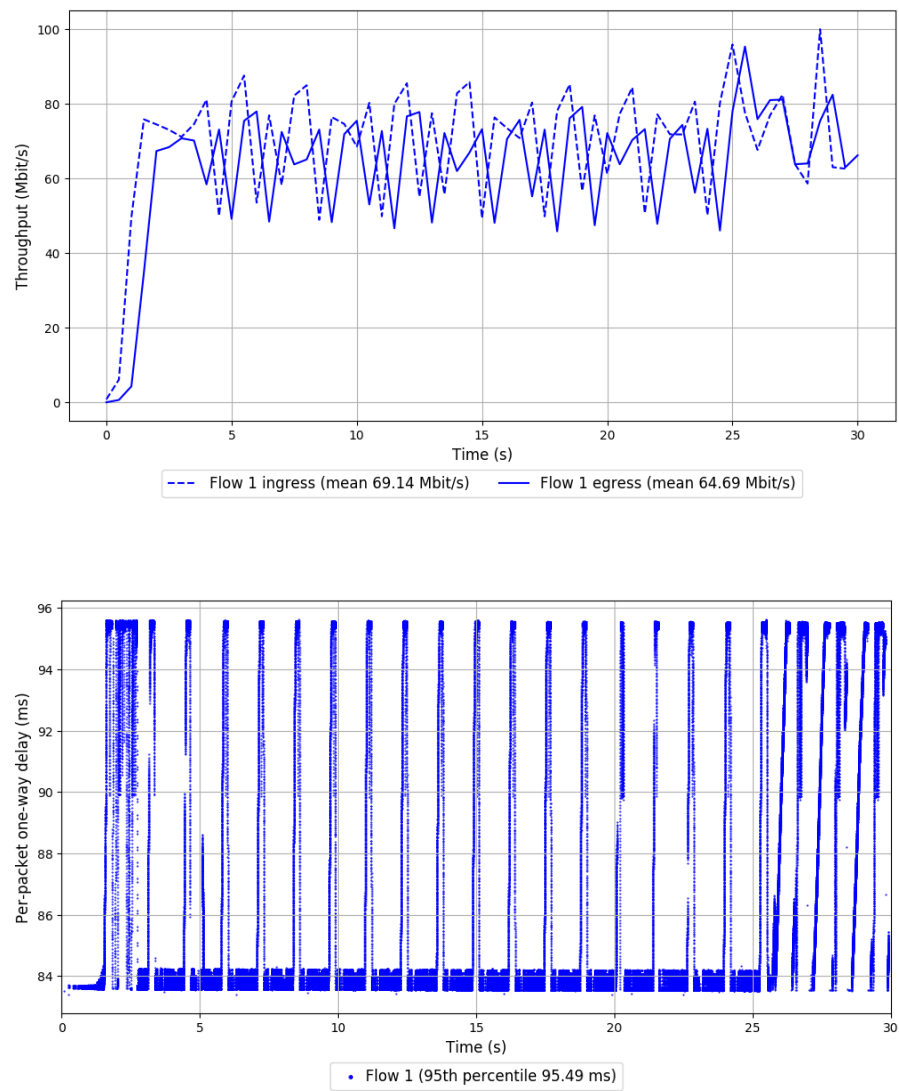


Run 7: Statistics of TCP BBR

Start at: 2018-07-04 05:05:35
End at: 2018-07-04 05:06:05
Local clock offset: -1.336 ms
Remote clock offset: 12.006 ms

Below is generated by plot.py at 2018-07-04 06:11:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 95.487 ms
Loss rate: 6.97%
-- Flow 1:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 95.487 ms
Loss rate: 6.97%

Run 7: Report of TCP BBR — Data Link

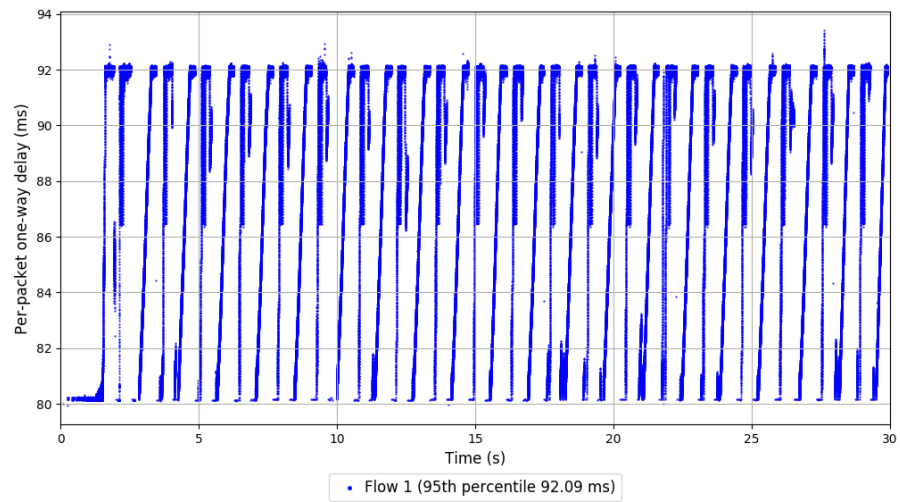
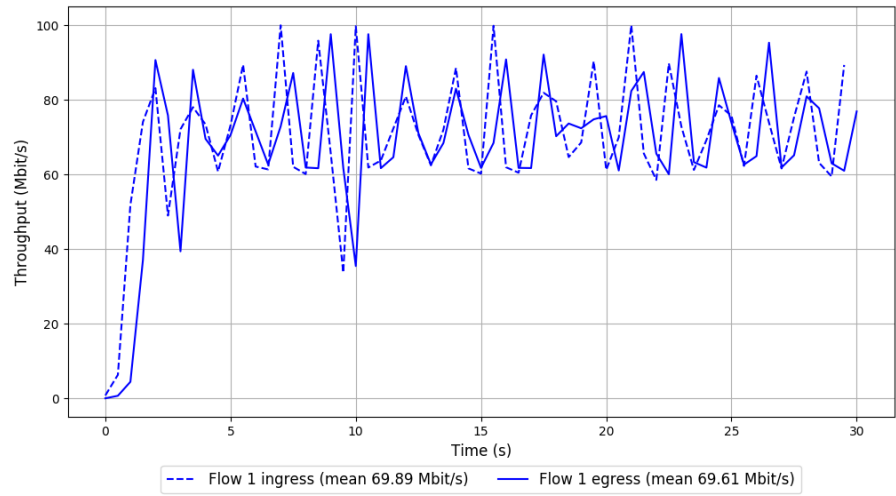


Run 8: Statistics of TCP BBR

Start at: 2018-07-04 05:25:26
End at: 2018-07-04 05:25:56
Local clock offset: -1.546 ms
Remote clock offset: 16.085 ms

Below is generated by plot.py at 2018-07-04 06:11:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.61 Mbit/s
95th percentile per-packet one-way delay: 92.092 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 69.61 Mbit/s
95th percentile per-packet one-way delay: 92.092 ms
Loss rate: 0.88%

Run 8: Report of TCP BBR — Data Link

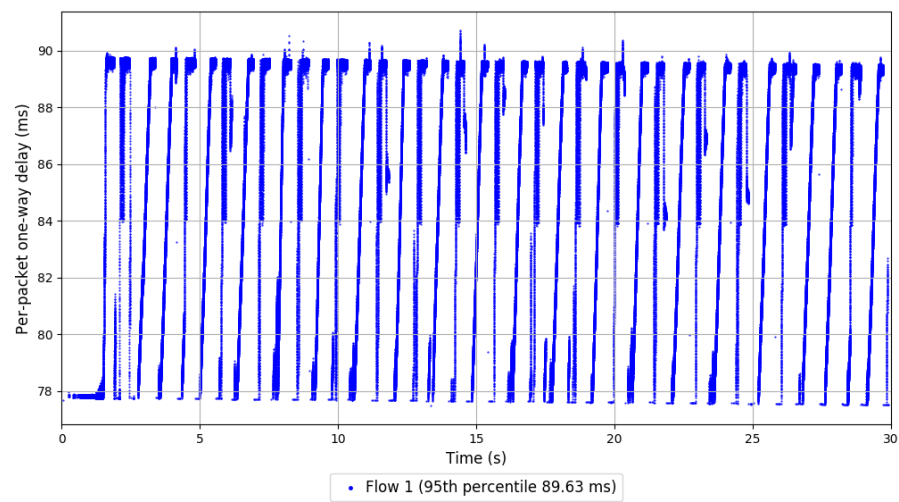
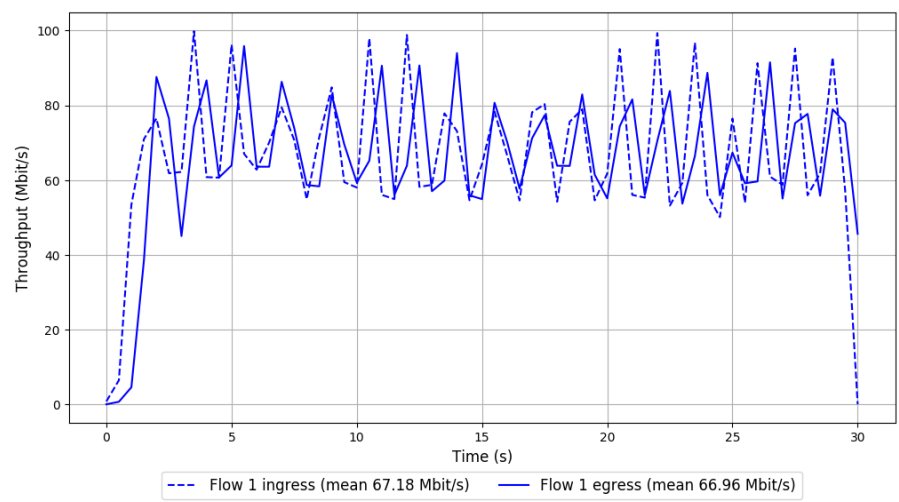


Run 9: Statistics of TCP BBR

Start at: 2018-07-04 05:45:18
End at: 2018-07-04 05:45:48
Local clock offset: -1.592 ms
Remote clock offset: 11.627 ms

Below is generated by plot.py at 2018-07-04 06:12:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.96 Mbit/s
95th percentile per-packet one-way delay: 89.629 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 66.96 Mbit/s
95th percentile per-packet one-way delay: 89.629 ms
Loss rate: 0.89%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-04 06:05:11

End at: 2018-07-04 06:05:41

Local clock offset: -1.737 ms

Remote clock offset: 1.205 ms

Below is generated by plot.py at 2018-07-04 06:12:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.43 Mbit/s

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

Loss rate: 0.60%

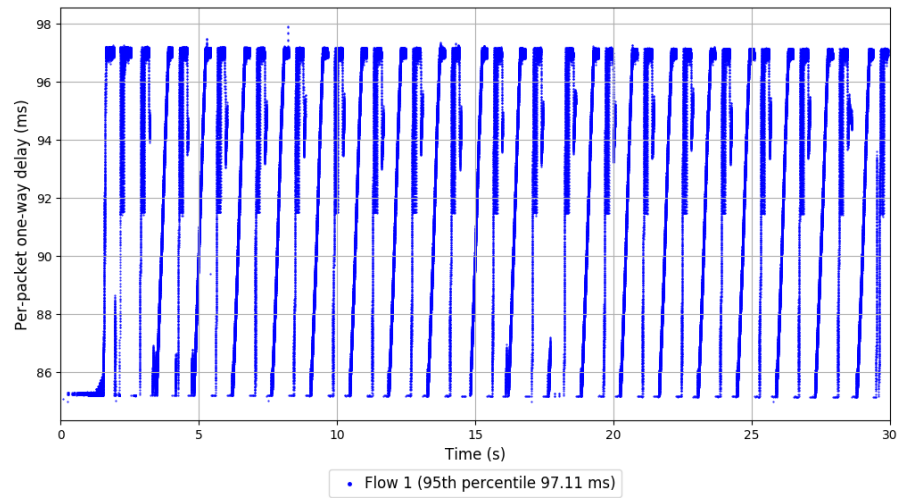
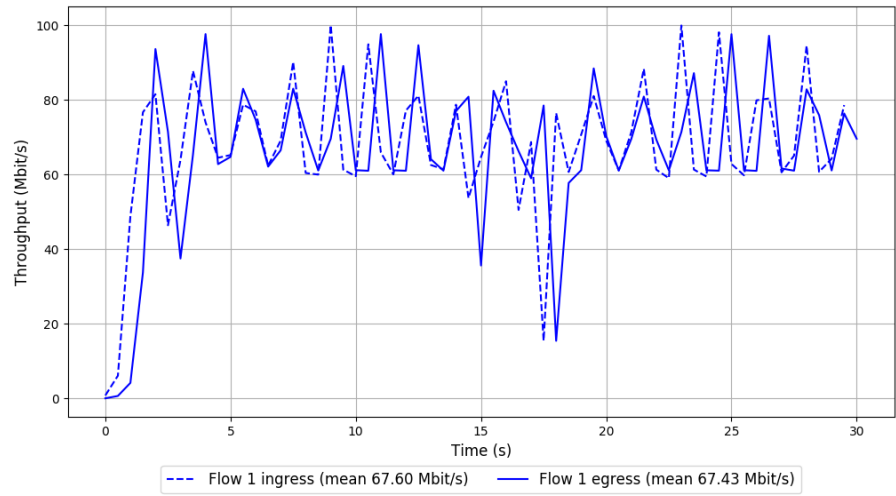
-- Flow 1:

Average throughput: 67.43 Mbit/s

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

Loss rate: 0.60%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-04 02:56:07

End at: 2018-07-04 02:56:37

Local clock offset: -2.659 ms

Remote clock offset: 7.436 ms

Below is generated by plot.py at 2018-07-04 06:13:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.62 Mbit/s

95th percentile per-packet one-way delay: 90.029 ms

Loss rate: 0.67%

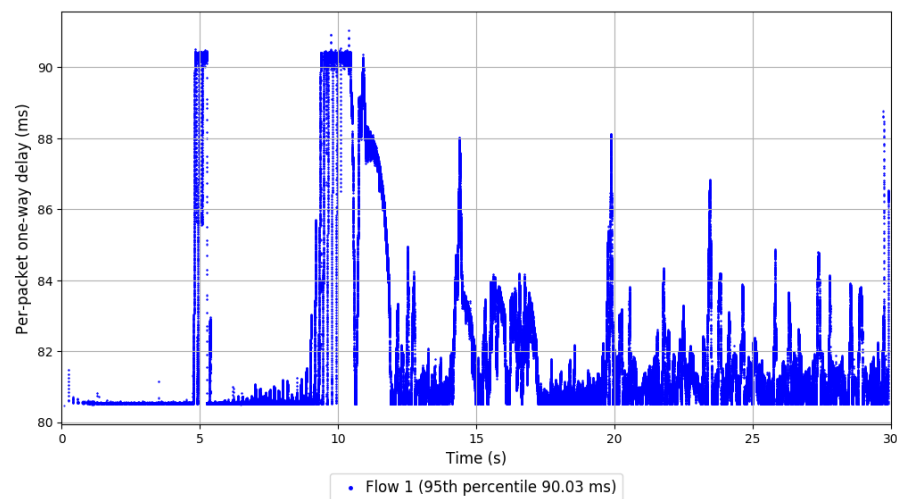
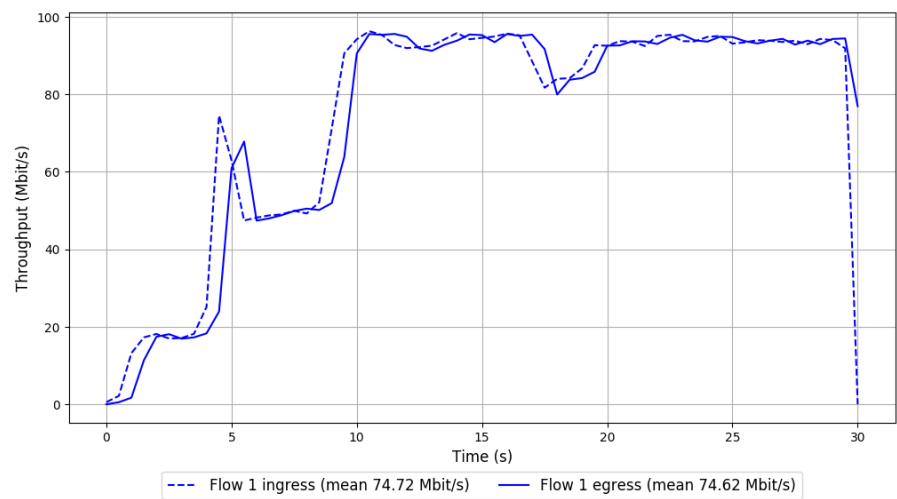
-- Flow 1:

Average throughput: 74.62 Mbit/s

95th percentile per-packet one-way delay: 90.029 ms

Loss rate: 0.67%

Run 1: Report of Copa — Data Link

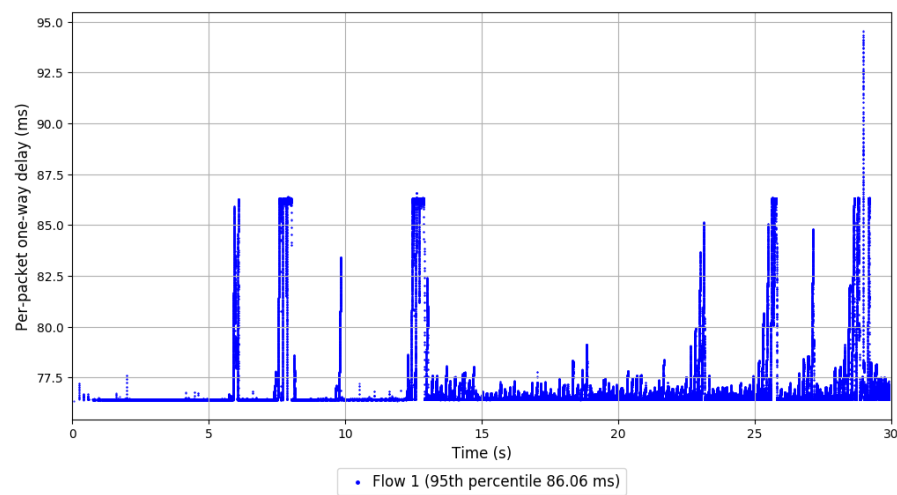
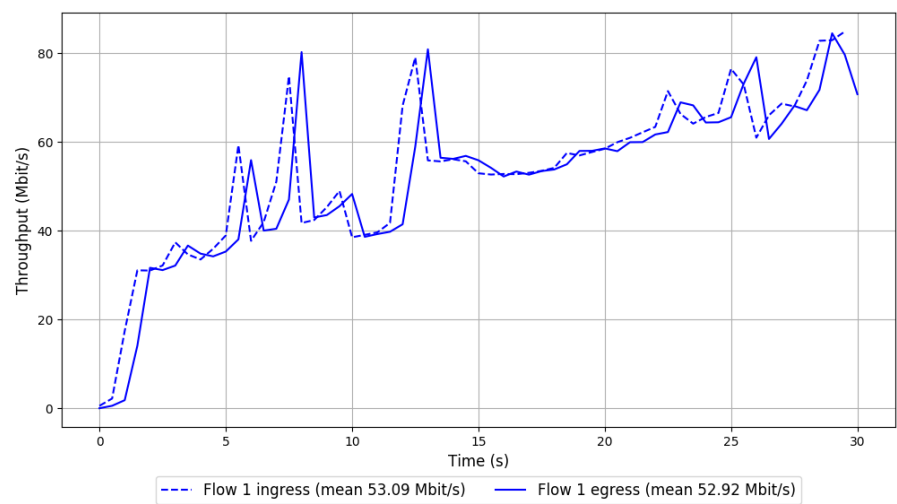


Run 2: Statistics of Copa

Start at: 2018-07-04 03:15:56
End at: 2018-07-04 03:16:26
Local clock offset: -2.055 ms
Remote clock offset: 10.696 ms

Below is generated by plot.py at 2018-07-04 06:13:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 86.060 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 86.060 ms
Loss rate: 0.88%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-04 03:35:45

End at: 2018-07-04 03:36:15

Local clock offset: -2.454 ms

Remote clock offset: 4.233 ms

Below is generated by plot.py at 2018-07-04 06:13:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.77 Mbit/s

95th percentile per-packet one-way delay: 95.099 ms

Loss rate: 0.52%

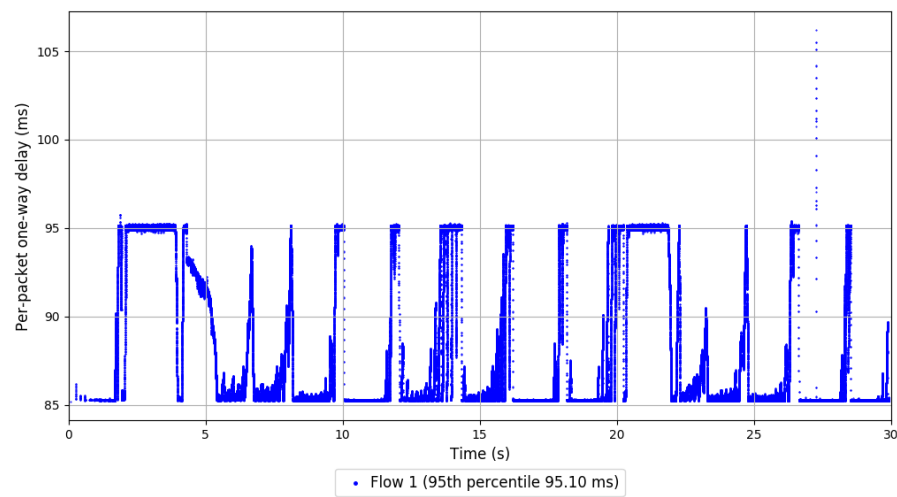
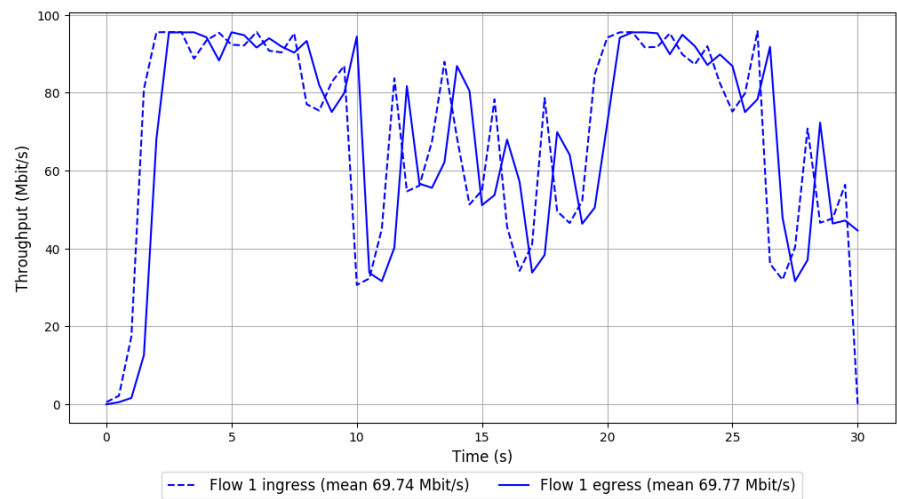
-- Flow 1:

Average throughput: 69.77 Mbit/s

95th percentile per-packet one-way delay: 95.099 ms

Loss rate: 0.52%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-04 03:55:34

End at: 2018-07-04 03:56:04

Local clock offset: -2.668 ms

Remote clock offset: 4.088 ms

Below is generated by plot.py at 2018-07-04 06:13:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 94.487 ms

Loss rate: 0.52%

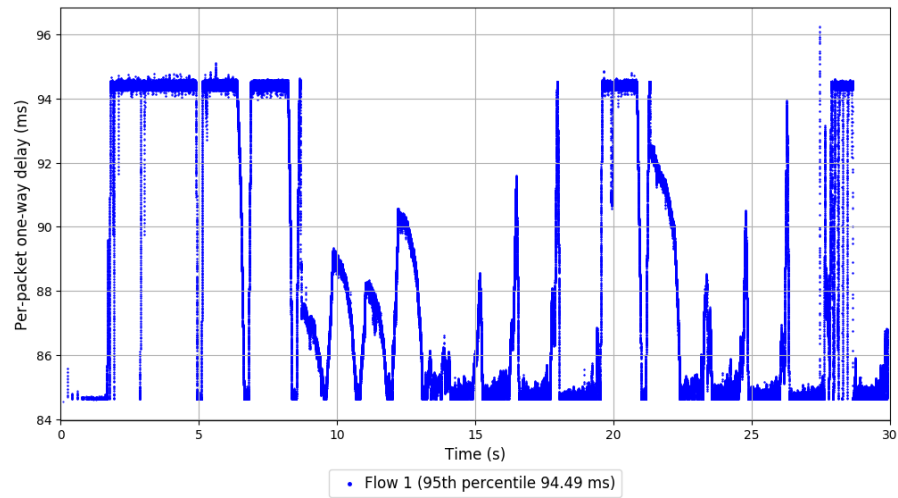
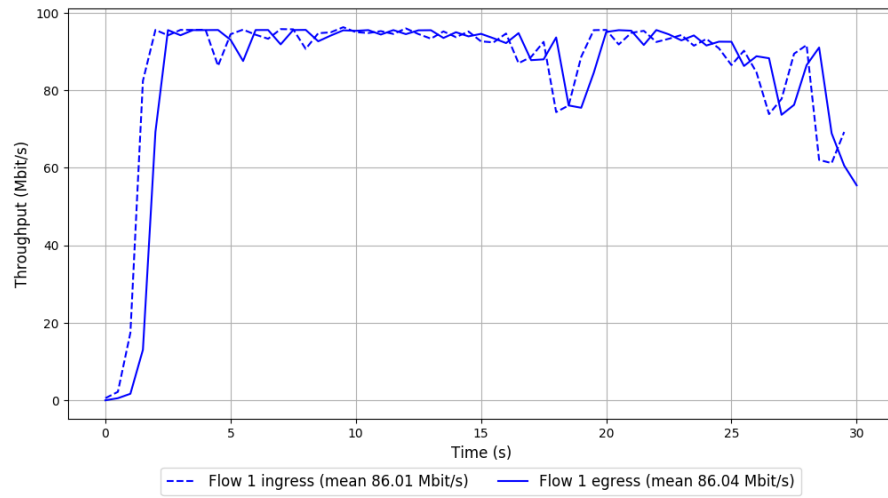
-- Flow 1:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 94.487 ms

Loss rate: 0.52%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-04 04:15:31

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

Local clock offset: -4.8 ms

Remote clock offset: 16.86 ms

Below is generated by plot.py at 2018-07-04 06:13:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.34 Mbit/s

95th percentile per-packet one-way delay: 89.322 ms

Loss rate: 0.69%

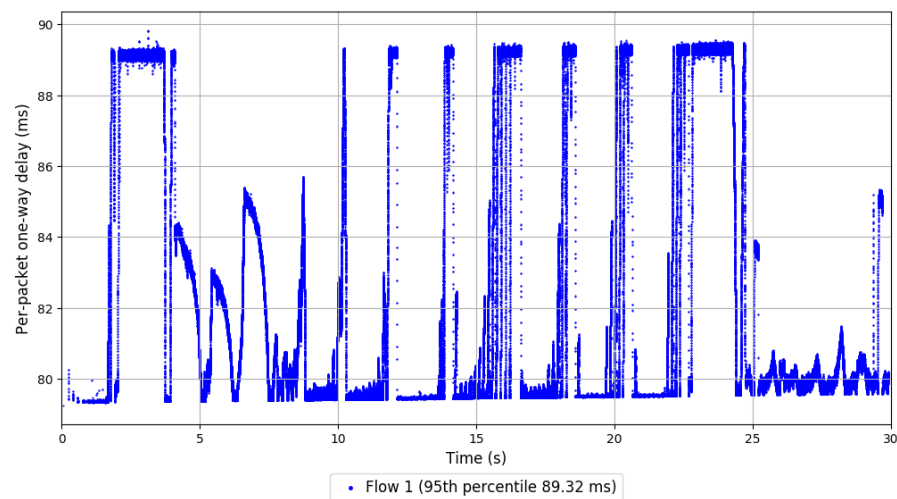
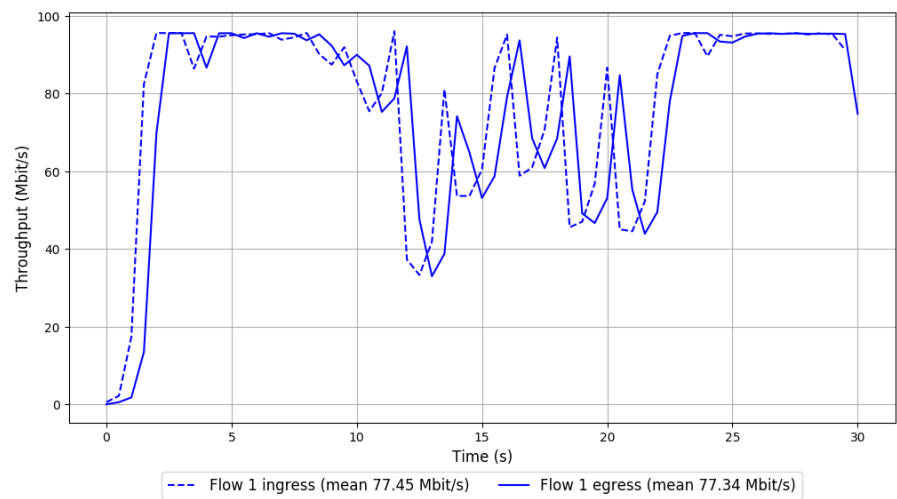
-- Flow 1:

Average throughput: 77.34 Mbit/s

95th percentile per-packet one-way delay: 89.322 ms

Loss rate: 0.69%

Run 5: Report of Copa — Data Link

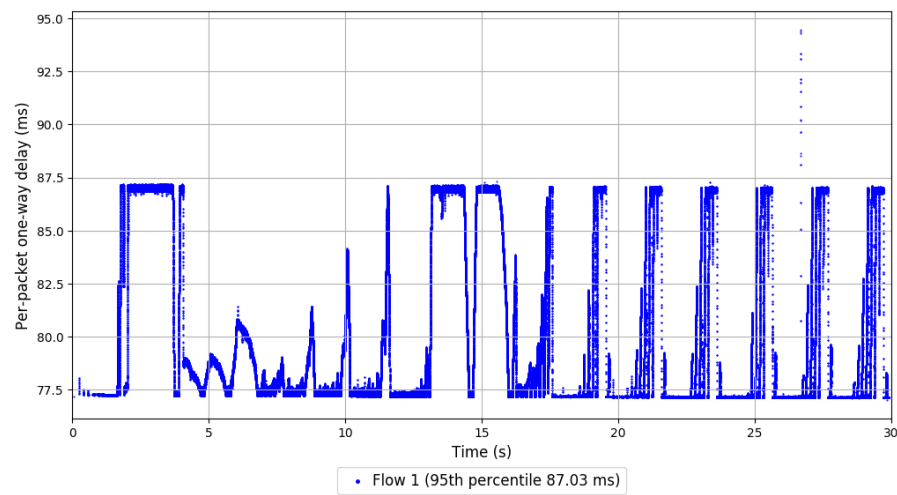
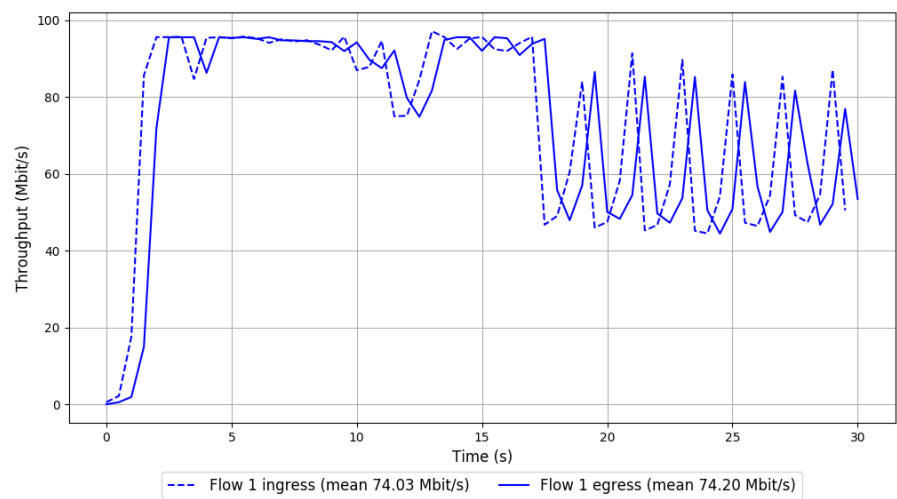


Run 6: Statistics of Copa

Start at: 2018-07-04 04:35:21
End at: 2018-07-04 04:35:51
Local clock offset: -7.976 ms
Remote clock offset: 17.633 ms

Below is generated by plot.py at 2018-07-04 06:13:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.20 Mbit/s
95th percentile per-packet one-way delay: 87.030 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 74.20 Mbit/s
95th percentile per-packet one-way delay: 87.030 ms
Loss rate: 0.32%

Run 6: Report of Copa — Data Link

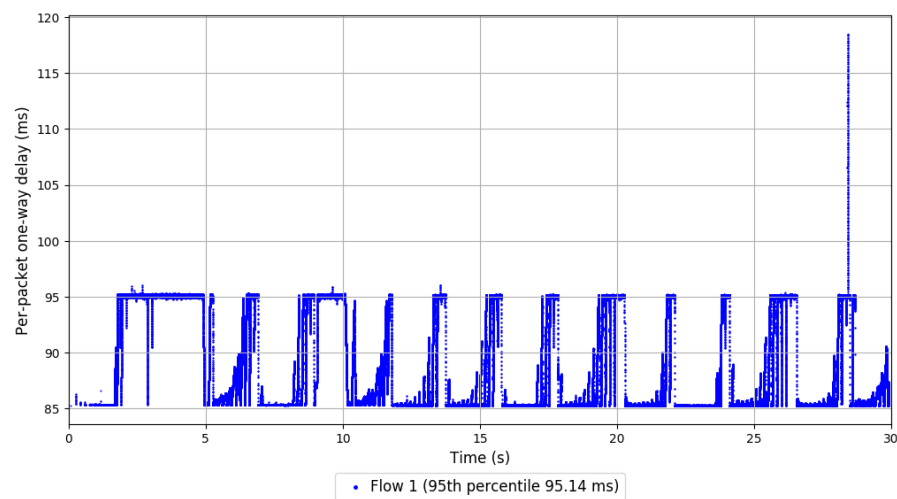
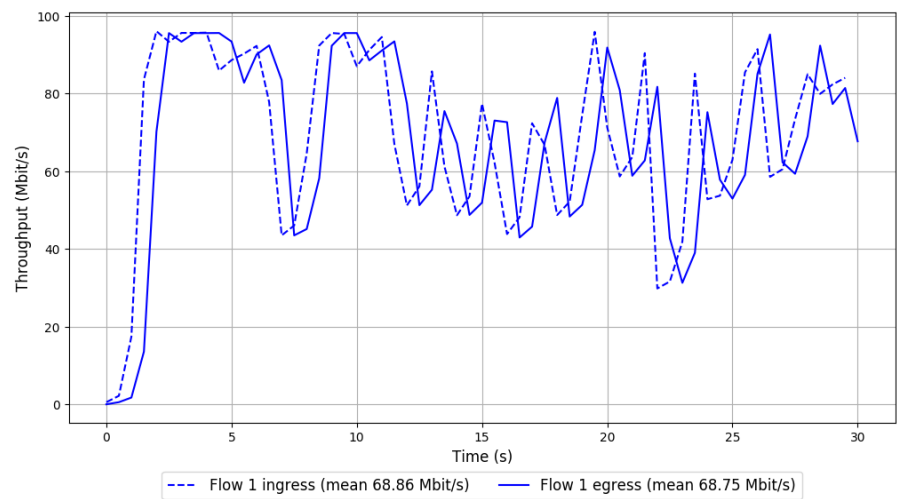


Run 7: Statistics of Copa

Start at: 2018-07-04 04:55:14
End at: 2018-07-04 04:55:44
Local clock offset: -2.464 ms
Remote clock offset: 10.65 ms

Below is generated by plot.py at 2018-07-04 06:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.75 Mbit/s
95th percentile per-packet one-way delay: 95.141 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 68.75 Mbit/s
95th percentile per-packet one-way delay: 95.141 ms
Loss rate: 0.71%

Run 7: Report of Copa — Data Link

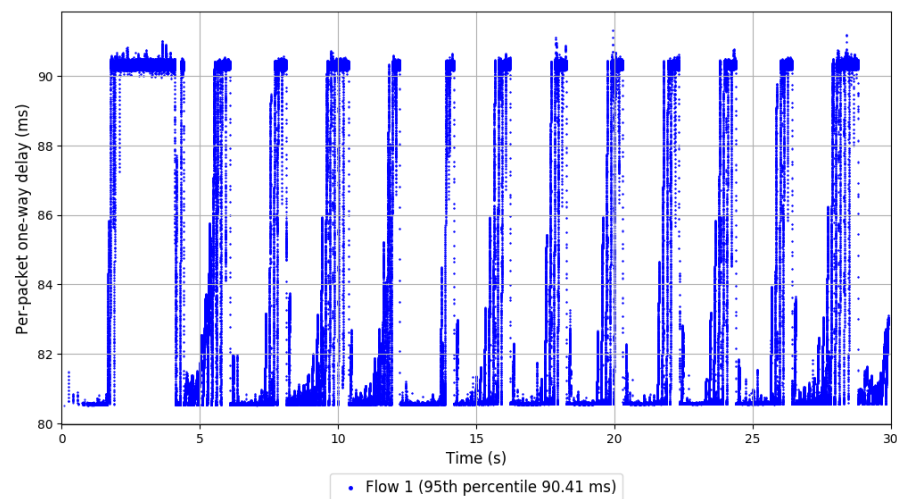
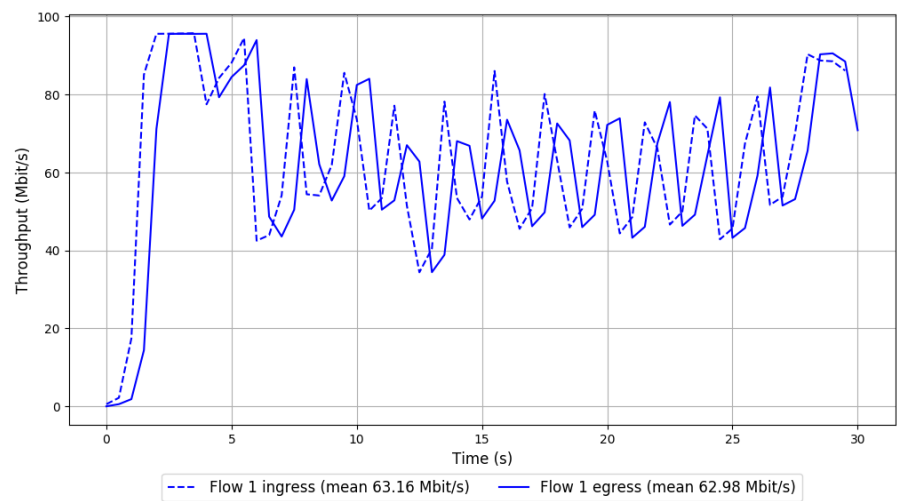


Run 8: Statistics of Copa

Start at: 2018-07-04 05:15:05
End at: 2018-07-04 05:15:35
Local clock offset: -1.347 ms
Remote clock offset: 14.645 ms

Below is generated by plot.py at 2018-07-04 06:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.98 Mbit/s
95th percentile per-packet one-way delay: 90.408 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 62.98 Mbit/s
95th percentile per-packet one-way delay: 90.408 ms
Loss rate: 0.82%

Run 8: Report of Copa — Data Link

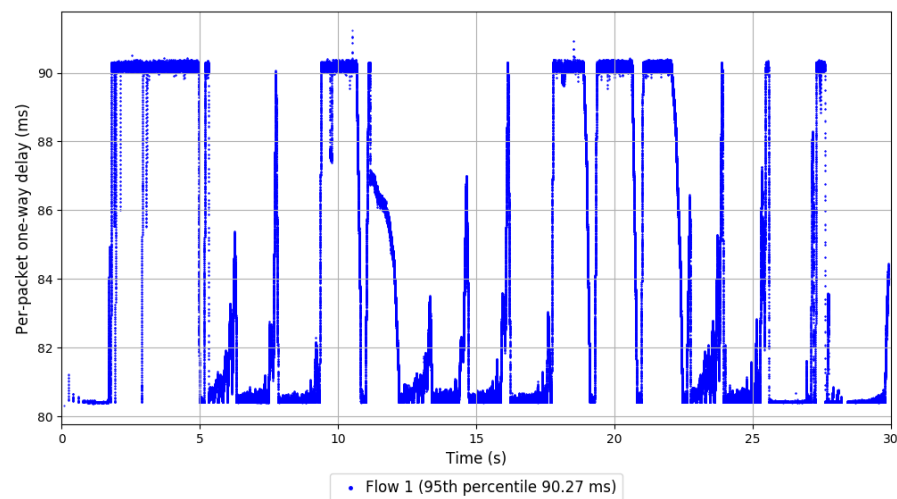
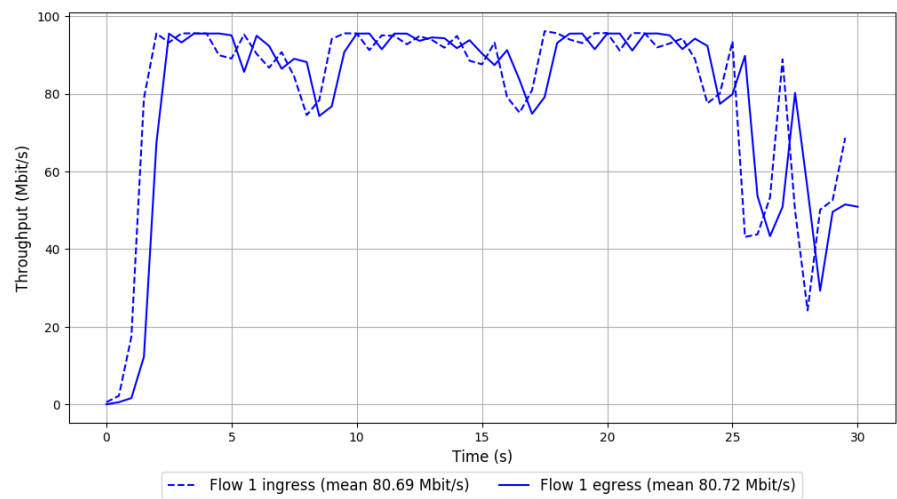


Run 9: Statistics of Copa

Start at: 2018-07-04 05:34:55
End at: 2018-07-04 05:35:25
Local clock offset: -1.415 ms
Remote clock offset: 16.336 ms

Below is generated by plot.py at 2018-07-04 06:14:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 90.266 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 90.266 ms
Loss rate: 0.56%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-04 05:54:49

End at: 2018-07-04 05:55:19

Local clock offset: -1.763 ms

Remote clock offset: 8.181 ms

Below is generated by plot.py at 2018-07-04 06:14:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.05 Mbit/s

95th percentile per-packet one-way delay: 89.966 ms

Loss rate: 0.82%

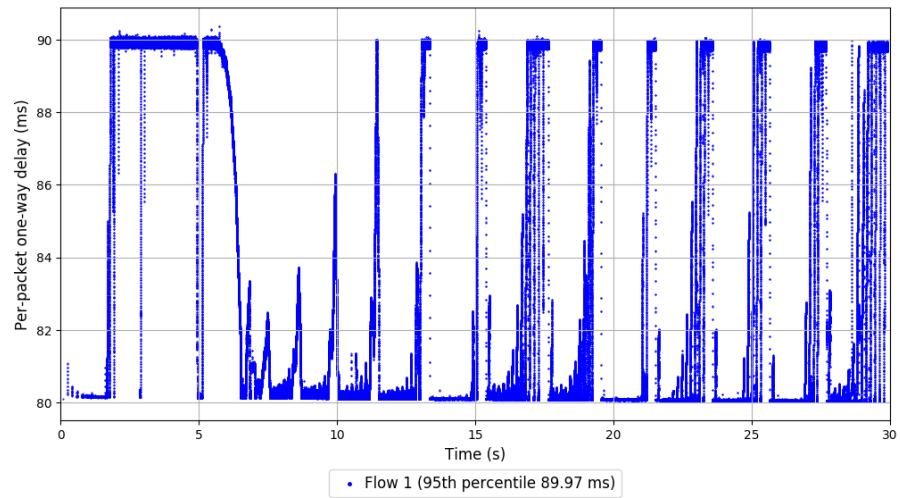
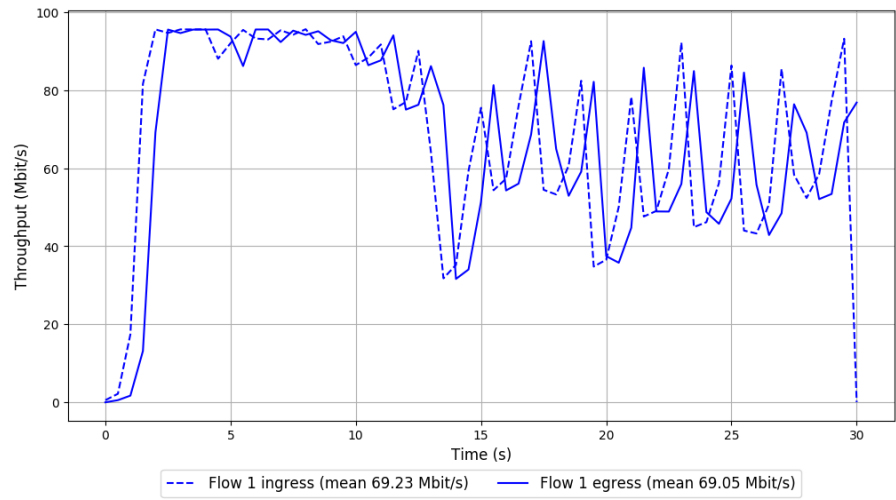
-- Flow 1:

Average throughput: 69.05 Mbit/s

95th percentile per-packet one-way delay: 89.966 ms

Loss rate: 0.82%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-04 02:53:46

End at: 2018-07-04 02:54:16

Local clock offset: -3.013 ms

Remote clock offset: 8.084 ms

Below is generated by plot.py at 2018-07-04 06:14:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.08 Mbit/s

95th percentile per-packet one-way delay: 85.202 ms

Loss rate: 0.44%

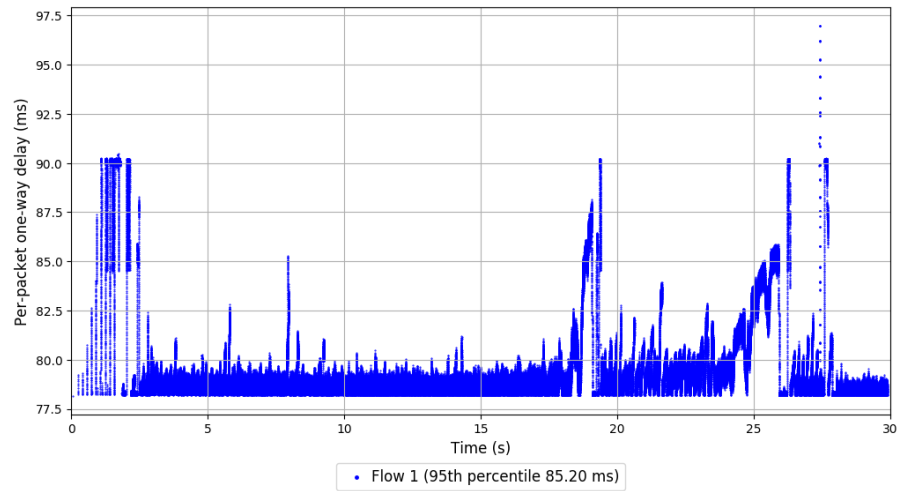
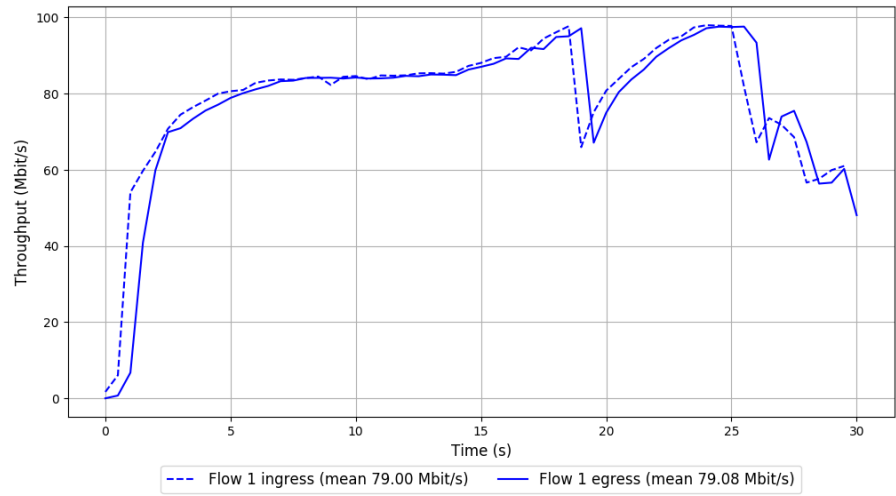
-- Flow 1:

Average throughput: 79.08 Mbit/s

95th percentile per-packet one-way delay: 85.202 ms

Loss rate: 0.44%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-04 03:13:36

End at: 2018-07-04 03:14:06

Local clock offset: -1.799 ms

Remote clock offset: 9.566 ms

Below is generated by plot.py at 2018-07-04 06:14:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.79 Mbit/s

95th percentile per-packet one-way delay: 79.718 ms

Loss rate: 0.96%

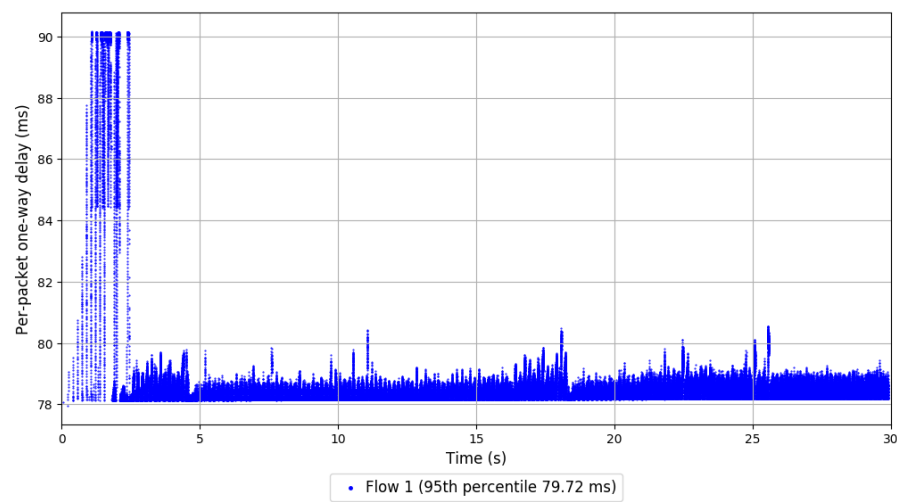
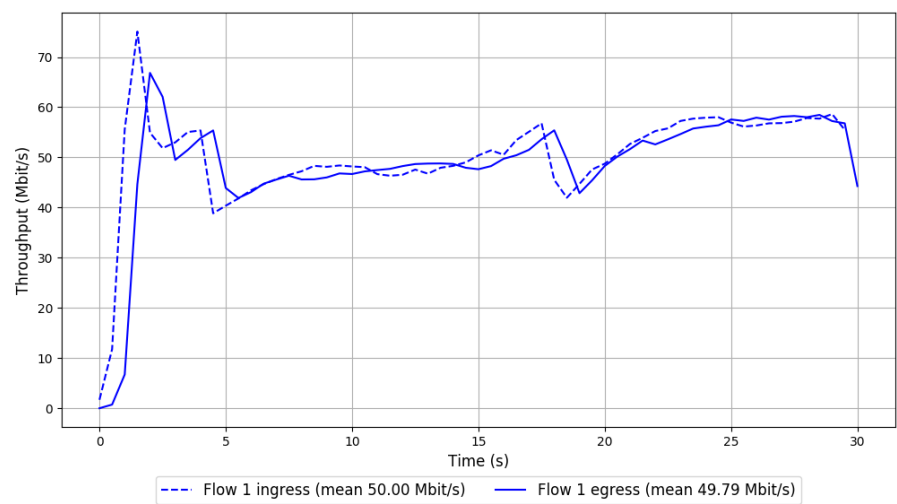
-- Flow 1:

Average throughput: 49.79 Mbit/s

95th percentile per-packet one-way delay: 79.718 ms

Loss rate: 0.96%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-04 03:33:25

End at: 2018-07-04 03:33:55

Local clock offset: -2.441 ms

Remote clock offset: 8.108 ms

Below is generated by plot.py at 2018-07-04 06:14:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 85.821 ms

Loss rate: 0.42%

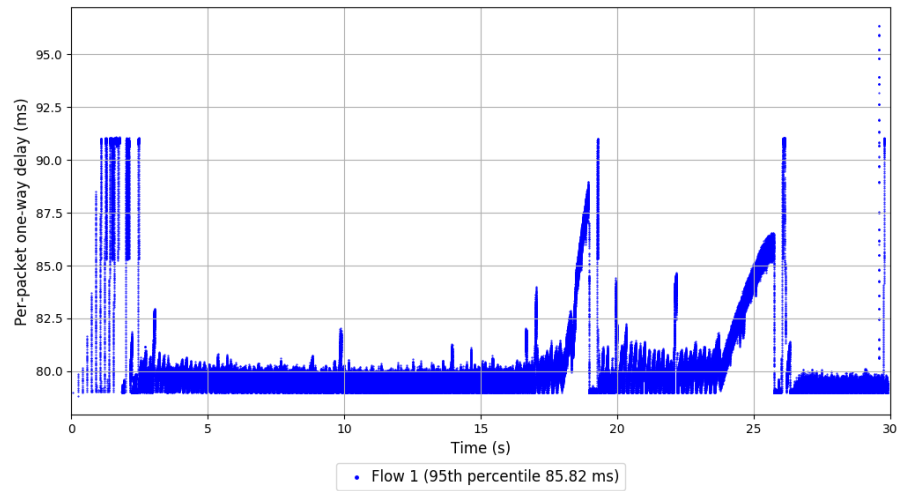
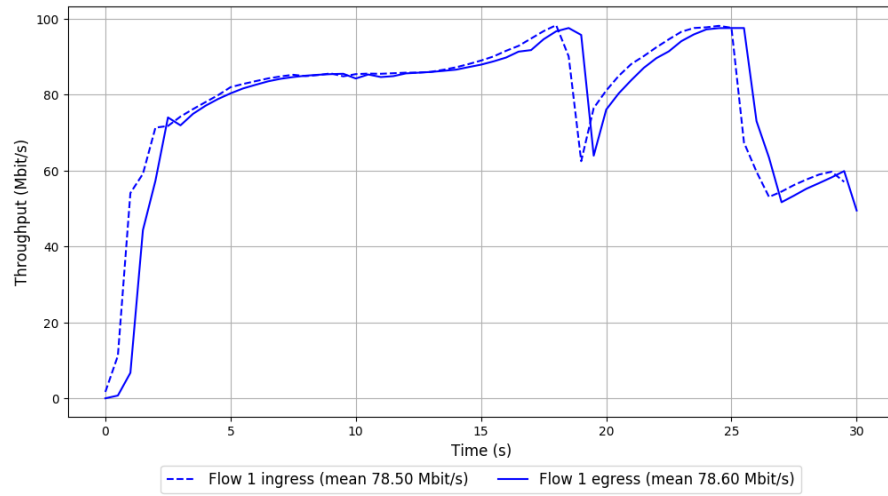
-- Flow 1:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 85.821 ms

Loss rate: 0.42%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-04 03:53:13

End at: 2018-07-04 03:53:43

Local clock offset: -2.579 ms

Remote clock offset: 8.03 ms

Below is generated by plot.py at 2018-07-04 06:14:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.01 Mbit/s

95th percentile per-packet one-way delay: 85.141 ms

Loss rate: 0.55%

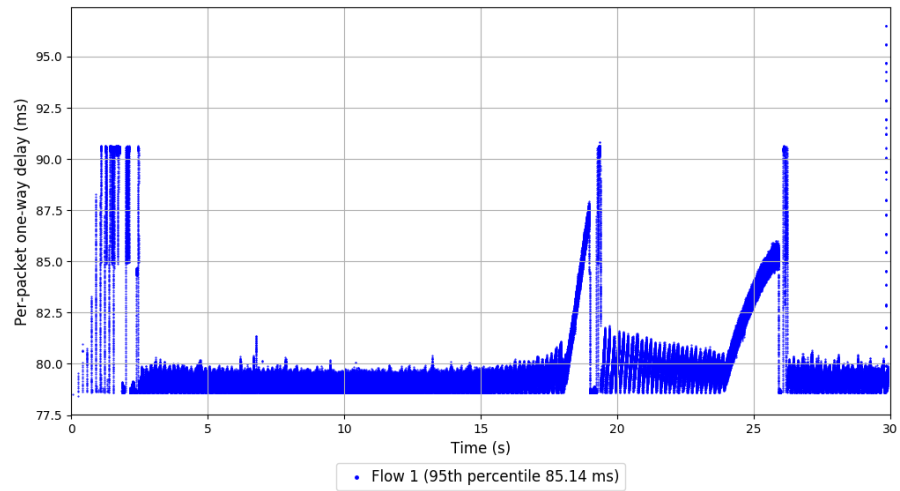
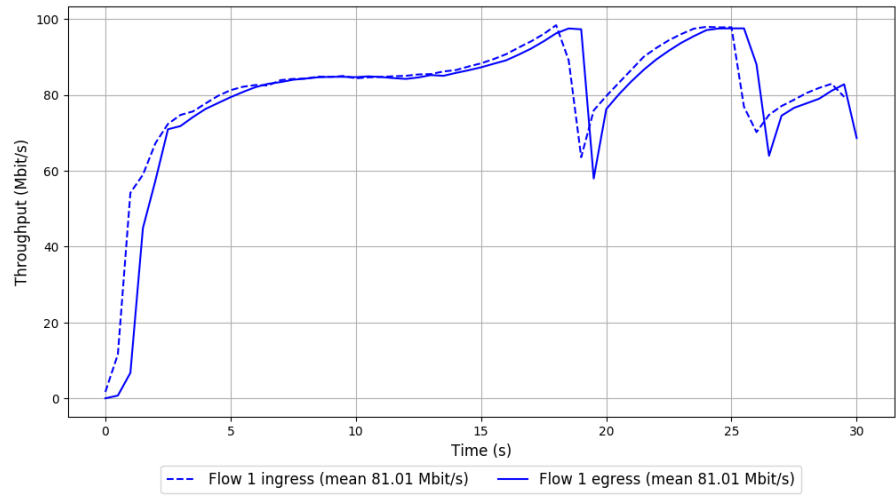
-- Flow 1:

Average throughput: 81.01 Mbit/s

95th percentile per-packet one-way delay: 85.141 ms

Loss rate: 0.55%

Run 4: Report of TCP Cubic — Data Link

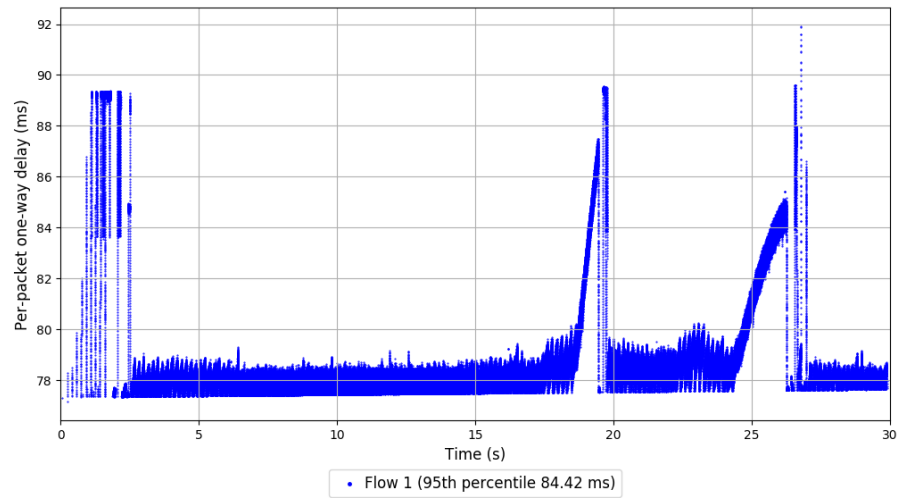
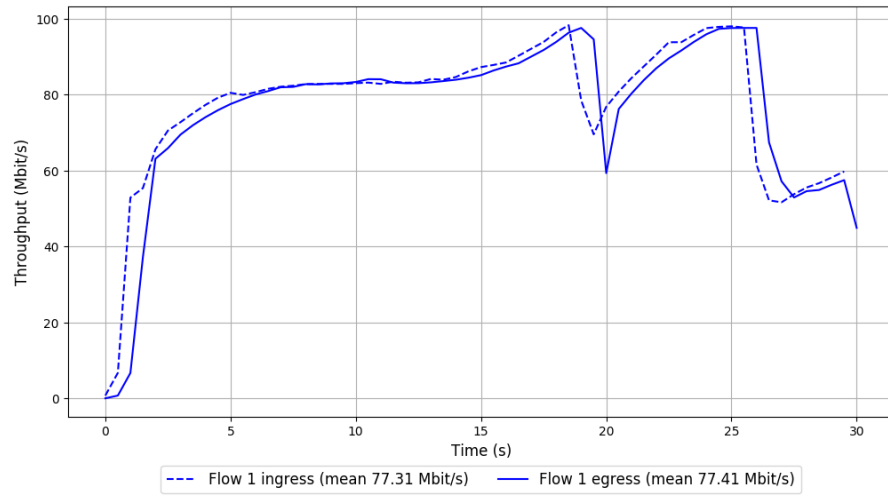


Run 5: Statistics of TCP Cubic

Start at: 2018-07-04 04:13:10
End at: 2018-07-04 04:13:40
Local clock offset: -3.92 ms
Remote clock offset: 16.213 ms

Below is generated by plot.py at 2018-07-04 06:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.41 Mbit/s
95th percentile per-packet one-way delay: 84.416 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 77.41 Mbit/s
95th percentile per-packet one-way delay: 84.416 ms
Loss rate: 0.44%

Run 5: Report of TCP Cubic — Data Link

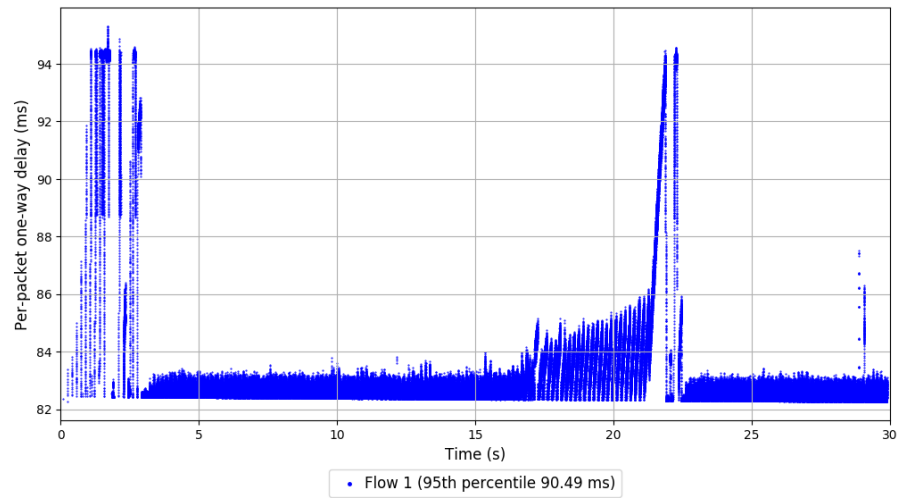
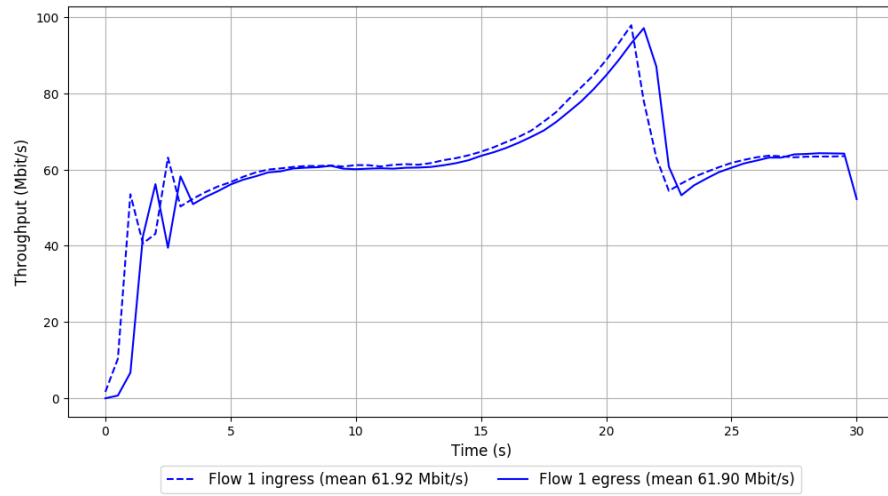


Run 6: Statistics of TCP Cubic

Start at: 2018-07-04 04:33:01
End at: 2018-07-04 04:33:31
Local clock offset: -7.772 ms
Remote clock offset: 13.619 ms

Below is generated by plot.py at 2018-07-04 06:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.90 Mbit/s
95th percentile per-packet one-way delay: 90.493 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 61.90 Mbit/s
95th percentile per-packet one-way delay: 90.493 ms
Loss rate: 0.58%

Run 6: Report of TCP Cubic — Data Link

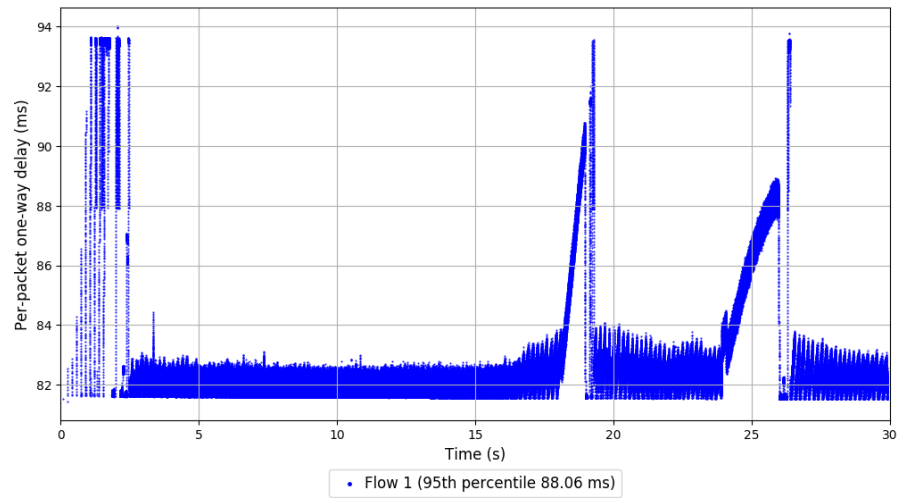
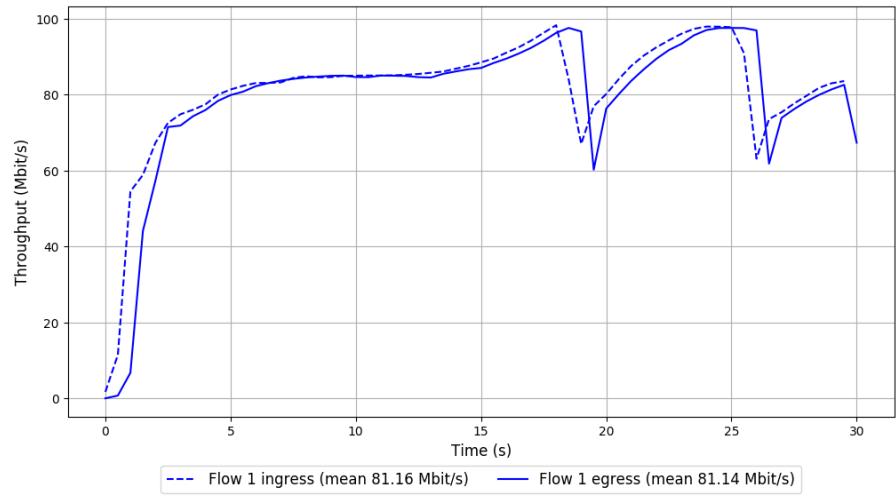


Run 7: Statistics of TCP Cubic

Start at: 2018-07-04 04:52:53
End at: 2018-07-04 04:53:23
Local clock offset: -2.917 ms
Remote clock offset: 11.811 ms

Below is generated by plot.py at 2018-07-04 06:14:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.14 Mbit/s
95th percentile per-packet one-way delay: 88.063 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 81.14 Mbit/s
95th percentile per-packet one-way delay: 88.063 ms
Loss rate: 0.57%

Run 7: Report of TCP Cubic — Data Link

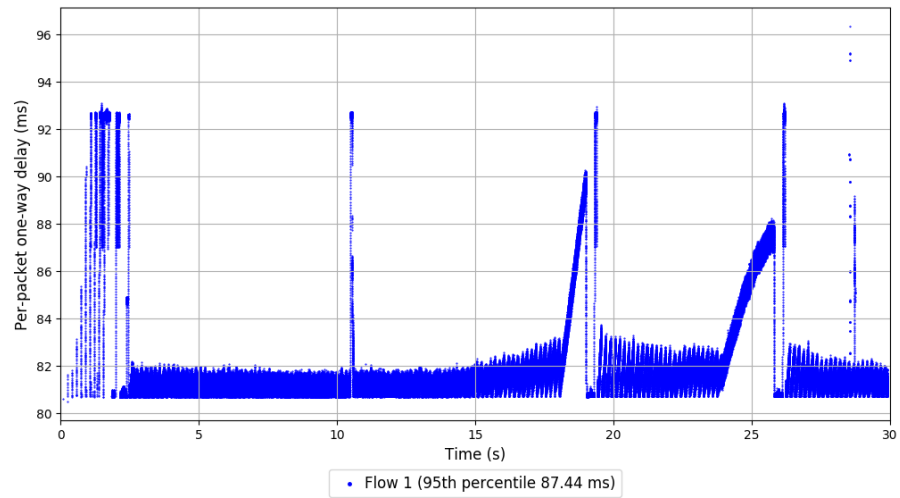
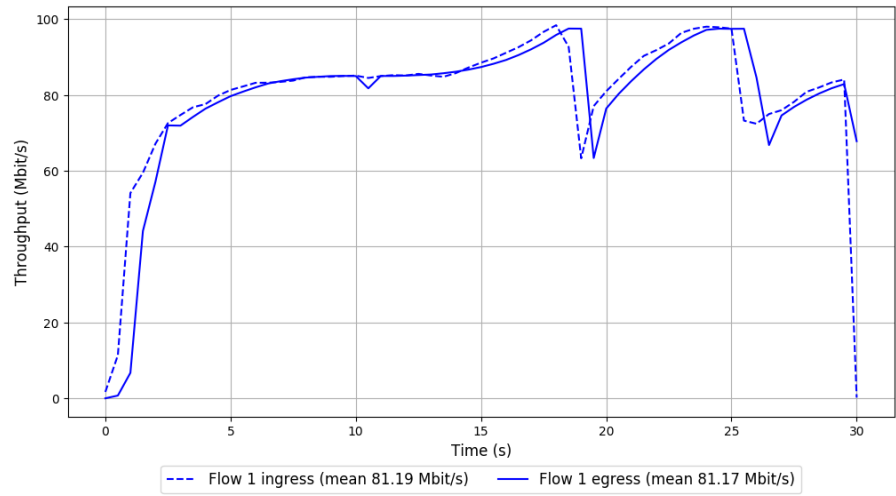


Run 8: Statistics of TCP Cubic

Start at: 2018-07-04 05:12:44
End at: 2018-07-04 05:13:14
Local clock offset: -1.223 ms
Remote clock offset: 14.718 ms

Below is generated by plot.py at 2018-07-04 06:14:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 87.445 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 87.445 ms
Loss rate: 0.57%

Run 8: Report of TCP Cubic — Data Link

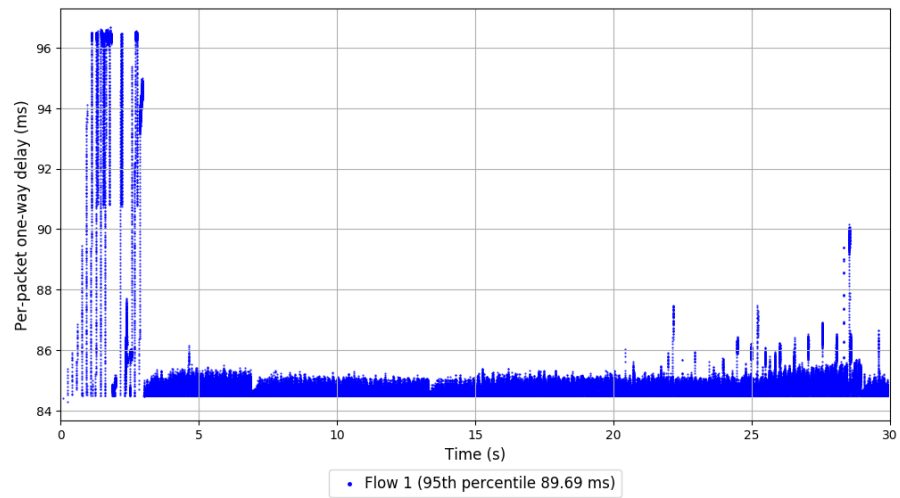
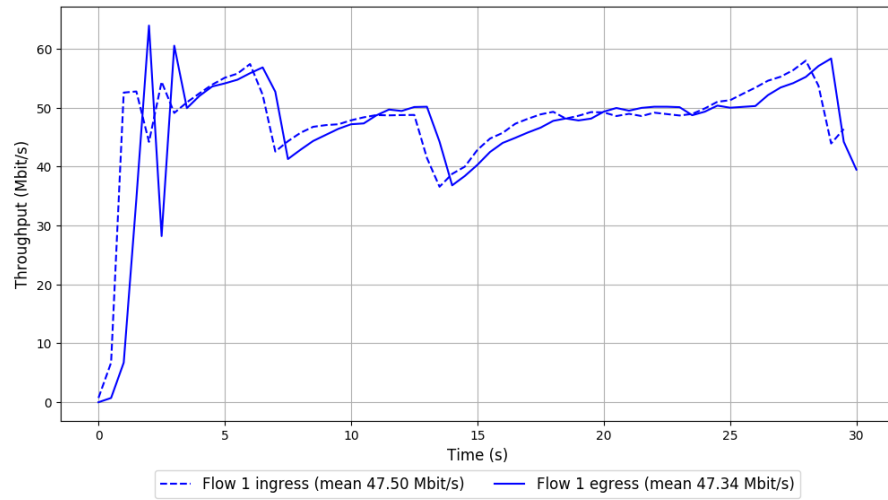


Run 9: Statistics of TCP Cubic

Start at: 2018-07-04 05:32:33
End at: 2018-07-04 05:33:03
Local clock offset: -1.426 ms
Remote clock offset: 11.178 ms

Below is generated by plot.py at 2018-07-04 06:14:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.34 Mbit/s
95th percentile per-packet one-way delay: 89.693 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 47.34 Mbit/s
95th percentile per-packet one-way delay: 89.693 ms
Loss rate: 0.88%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-04 05:52:28

End at: 2018-07-04 05:52:58

Local clock offset: -1.729 ms

Remote clock offset: 8.667 ms

Below is generated by plot.py at 2018-07-04 06:15:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.37 Mbit/s

95th percentile per-packet one-way delay: 86.266 ms

Loss rate: 0.57%

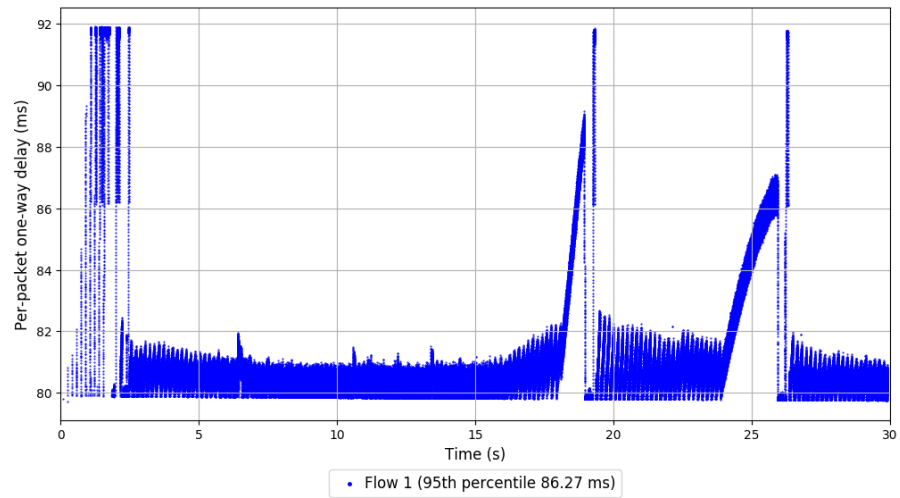
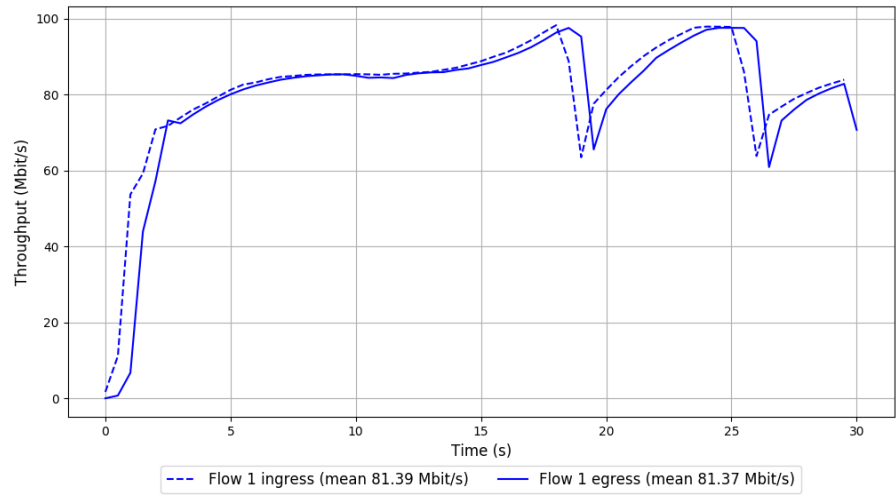
-- Flow 1:

Average throughput: 81.37 Mbit/s

95th percentile per-packet one-way delay: 86.266 ms

Loss rate: 0.57%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-04 02:59:33

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

Local clock offset: -2.168 ms

Remote clock offset: 3.743 ms

Below is generated by plot.py at 2018-07-04 06:15:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 93.342 ms

Loss rate: 0.60%

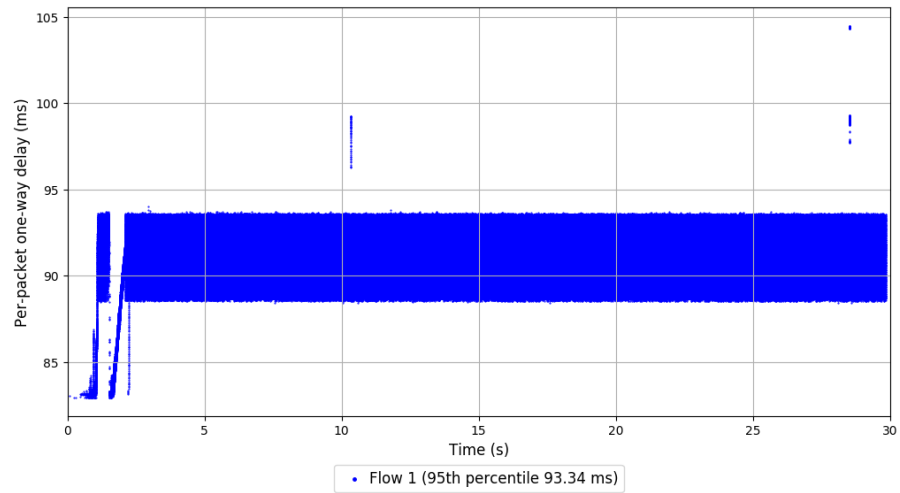
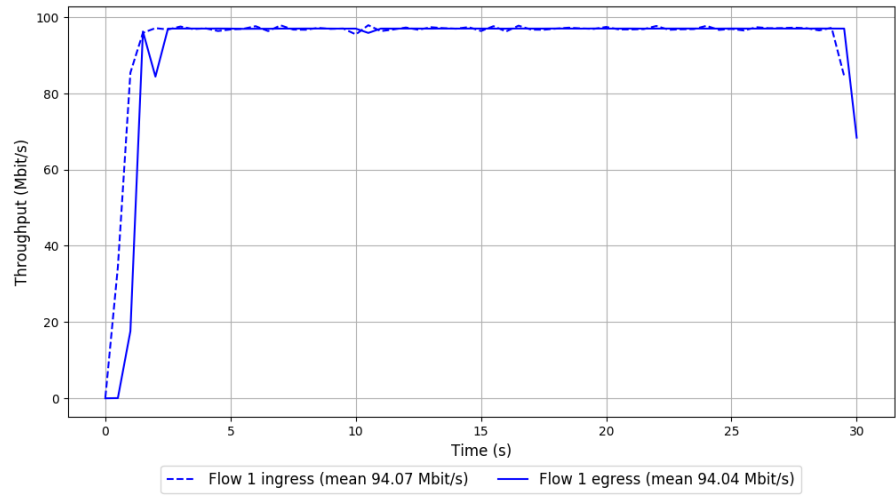
-- Flow 1:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 93.342 ms

Loss rate: 0.60%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-04 03:19:20

End at: 2018-07-04 03:19:50

Local clock offset: -2.202 ms

Remote clock offset: 9.801 ms

Below is generated by plot.py at 2018-07-04 06:15:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.80 Mbit/s

95th percentile per-packet one-way delay: 90.317 ms

Loss rate: 0.60%

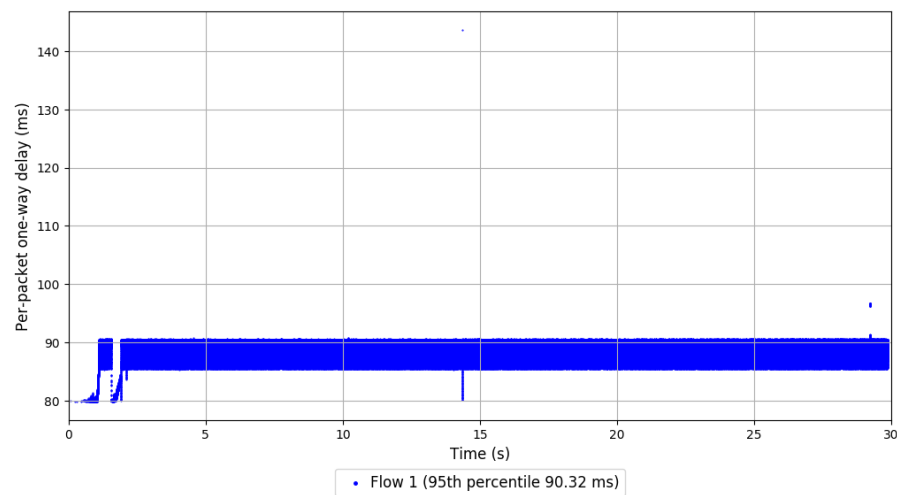
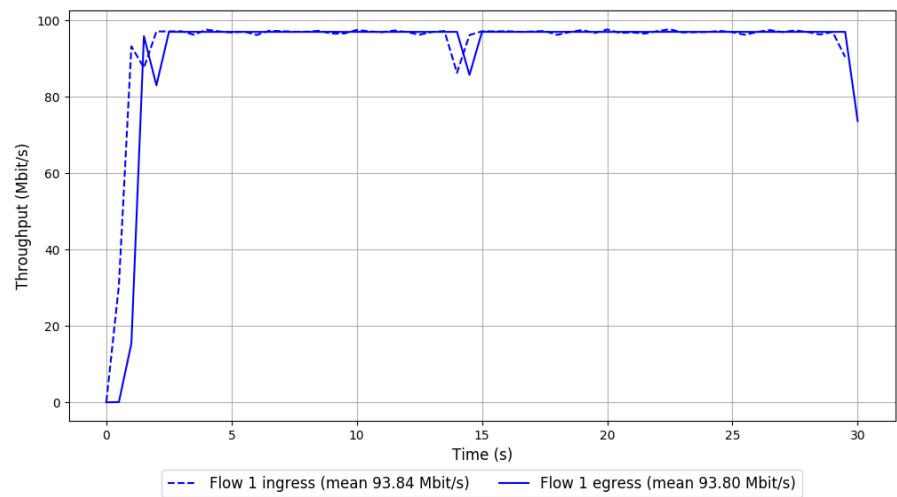
-- Flow 1:

Average throughput: 93.80 Mbit/s

95th percentile per-packet one-way delay: 90.317 ms

Loss rate: 0.60%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-04 03:39:10

End at: 2018-07-04 03:39:40

Local clock offset: -2.463 ms

Remote clock offset: 9.26 ms

Below is generated by plot.py at 2018-07-04 06:15:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.95 Mbit/s

95th percentile per-packet one-way delay: 89.791 ms

Loss rate: 0.60%

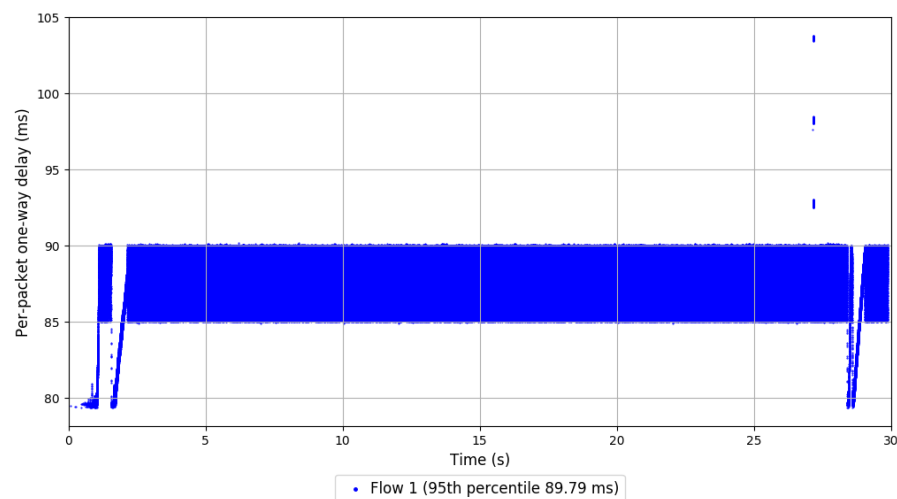
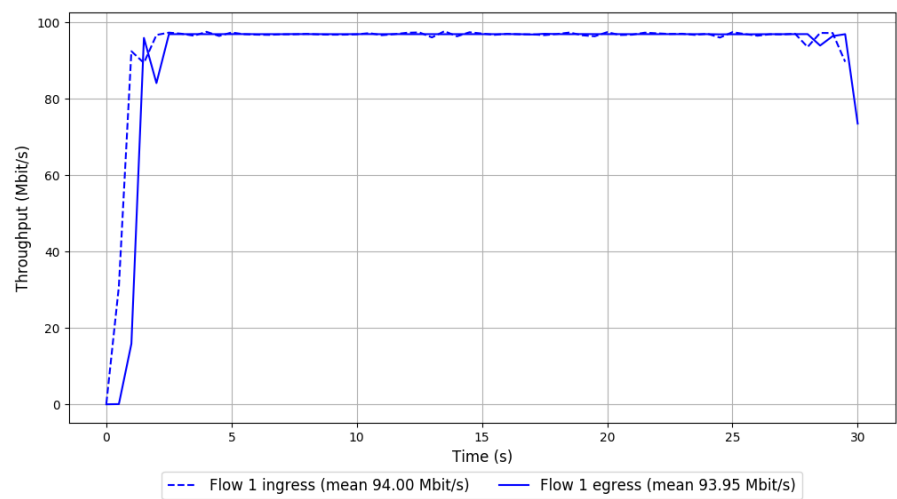
-- Flow 1:

Average throughput: 93.95 Mbit/s

95th percentile per-packet one-way delay: 89.791 ms

Loss rate: 0.60%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-04 03:59:00

End at: 2018-07-04 03:59:30

Local clock offset: -2.649 ms

Remote clock offset: 6.585 ms

Below is generated by plot.py at 2018-07-04 06:15:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.21 Mbit/s

95th percentile per-packet one-way delay: 92.555 ms

Loss rate: 0.59%

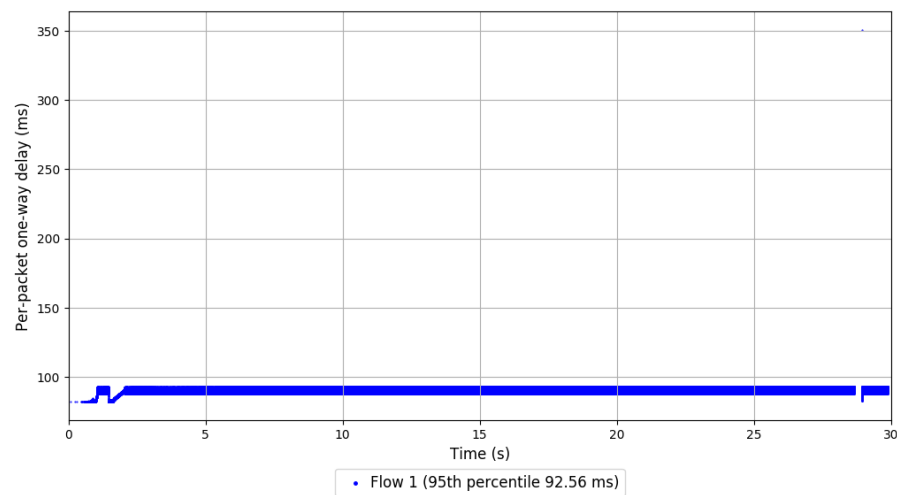
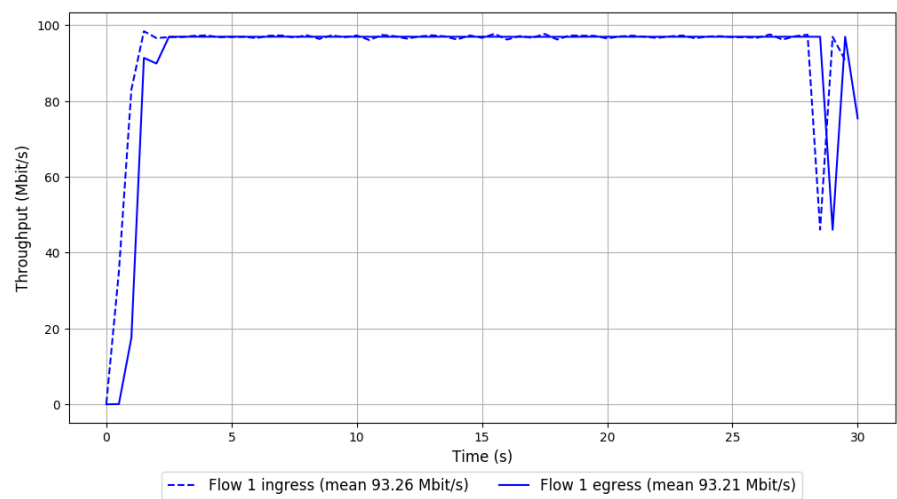
-- Flow 1:

Average throughput: 93.21 Mbit/s

95th percentile per-packet one-way delay: 92.555 ms

Loss rate: 0.59%

Run 4: Report of FillP — Data Link

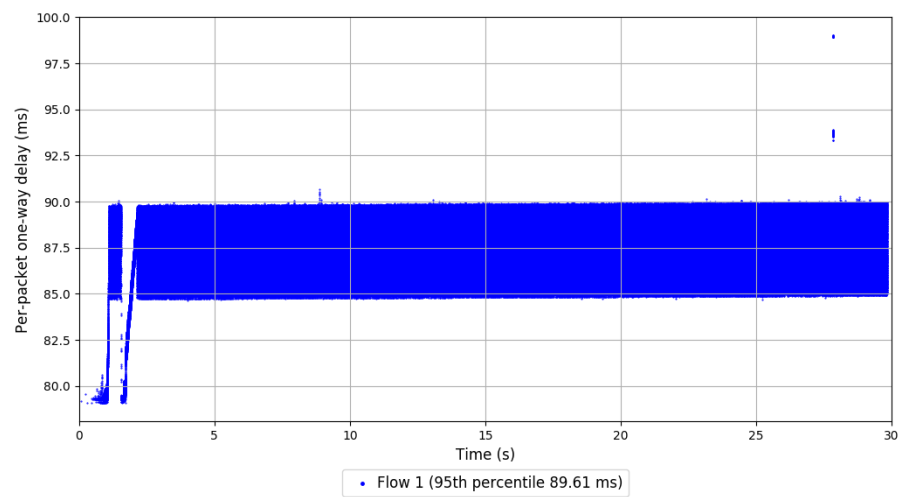
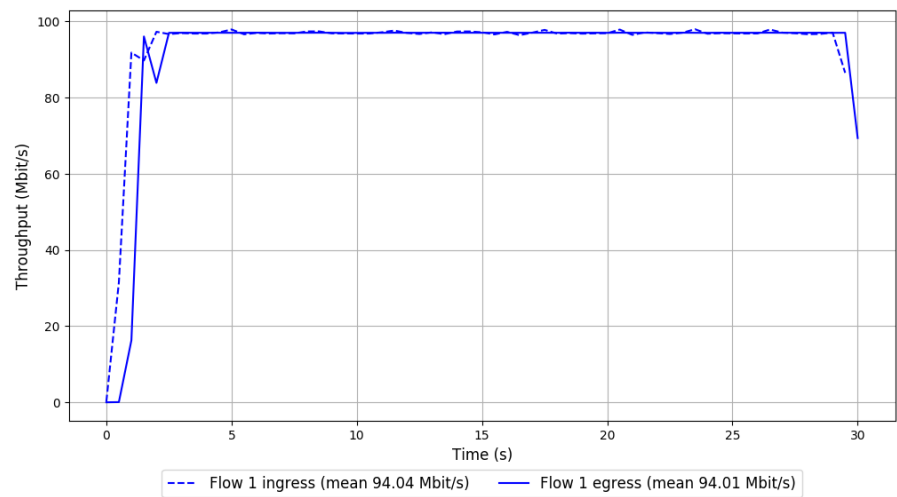


Run 5: Statistics of FillP

Start at: 2018-07-04 04:18:57
End at: 2018-07-04 04:19:27
Local clock offset: -5.741 ms
Remote clock offset: 17.597 ms

Below is generated by plot.py at 2018-07-04 06:16:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 89.615 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 89.615 ms
Loss rate: 0.60%

Run 5: Report of FillP — Data Link

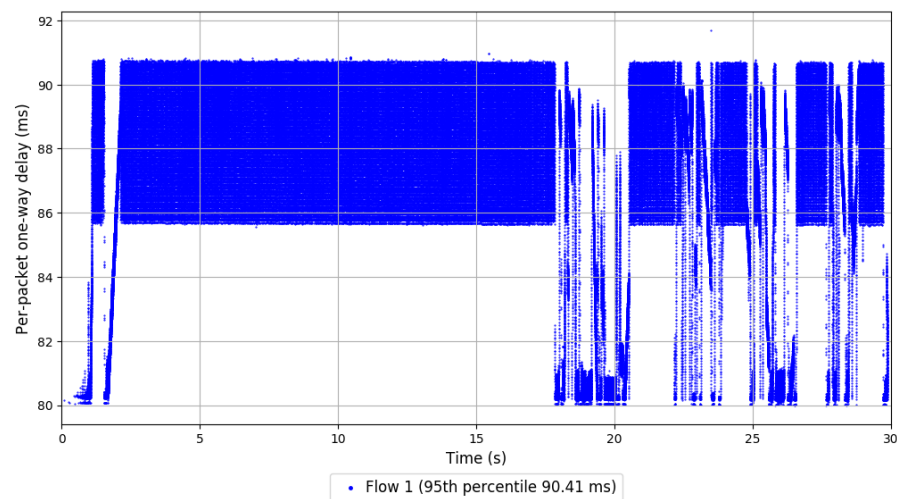
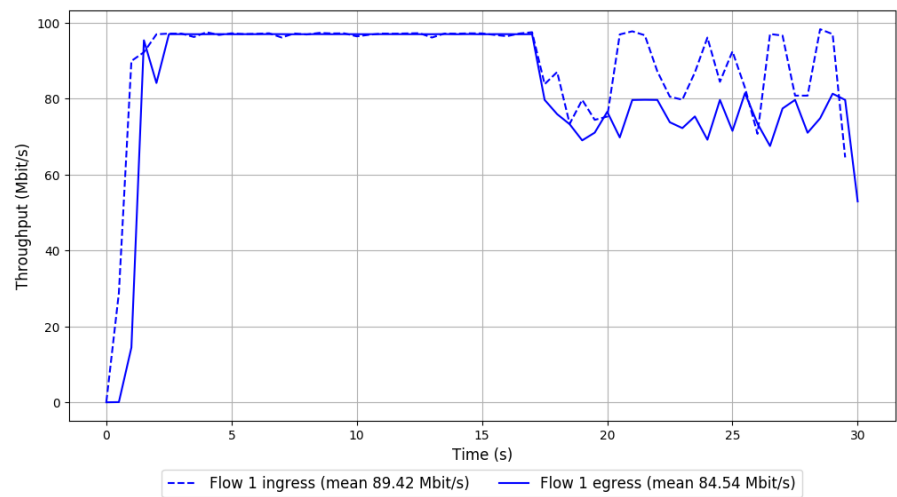


Run 6: Statistics of FillP

Start at: 2018-07-04 04:38:48
End at: 2018-07-04 04:39:18
Local clock offset: -8.263 ms
Remote clock offset: 16.738 ms

Below is generated by plot.py at 2018-07-04 06:16:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 90.411 ms
Loss rate: 5.97%
-- Flow 1:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 90.411 ms
Loss rate: 5.97%

Run 6: Report of FillP — Data Link

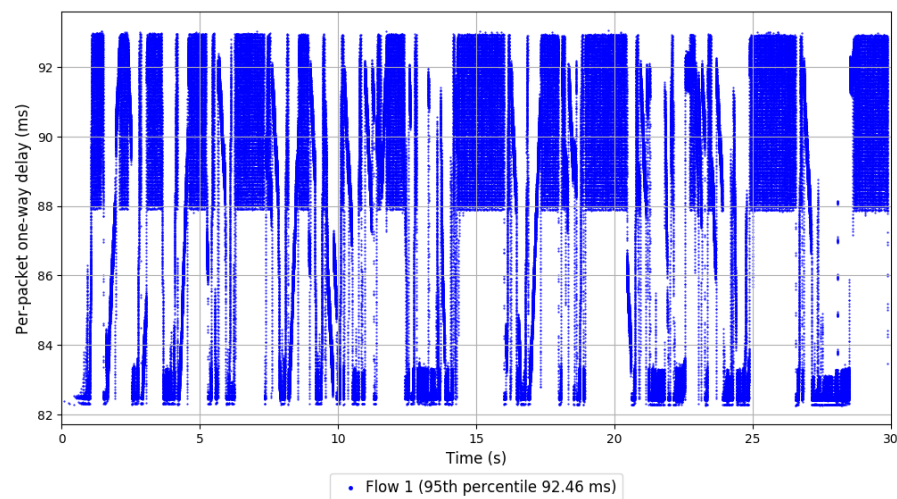
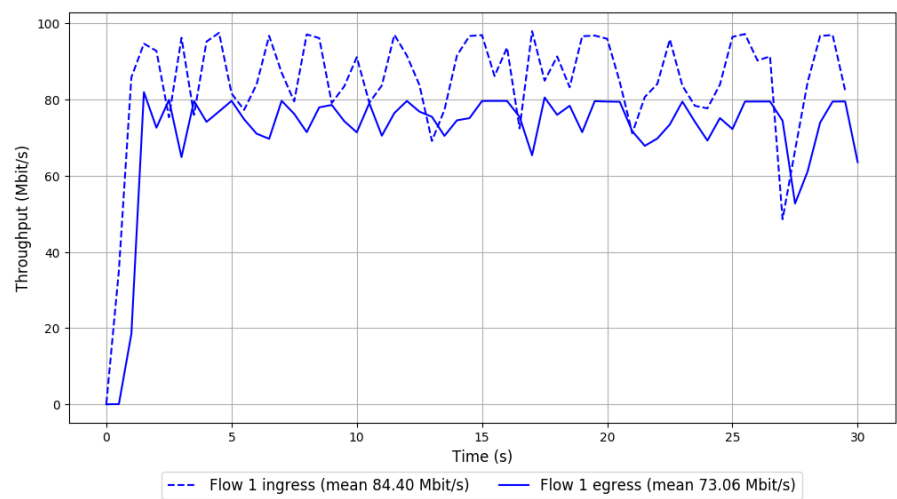


Run 7: Statistics of FillP

Start at: 2018-07-04 04:58:39
End at: 2018-07-04 04:59:09
Local clock offset: -1.958 ms
Remote clock offset: 10.717 ms

Below is generated by plot.py at 2018-07-04 06:16:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.06 Mbit/s
95th percentile per-packet one-way delay: 92.463 ms
Loss rate: 13.97%
-- Flow 1:
Average throughput: 73.06 Mbit/s
95th percentile per-packet one-way delay: 92.463 ms
Loss rate: 13.97%

Run 7: Report of FillP — Data Link

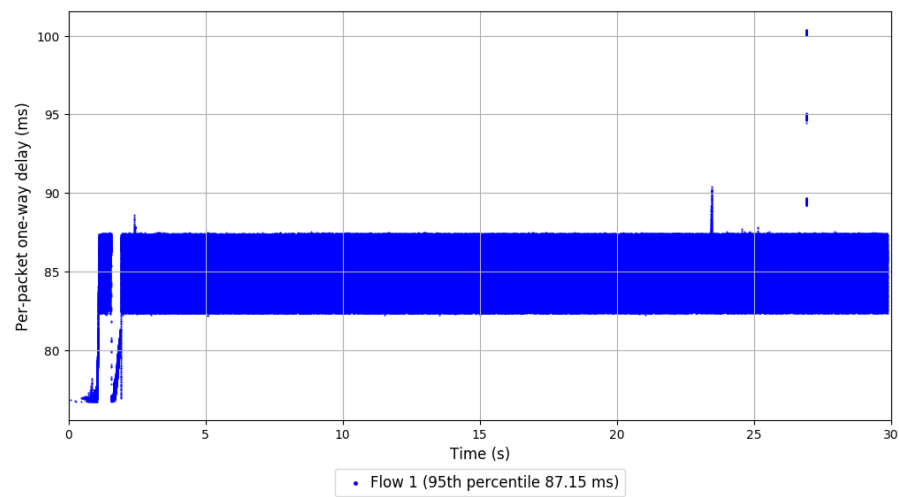
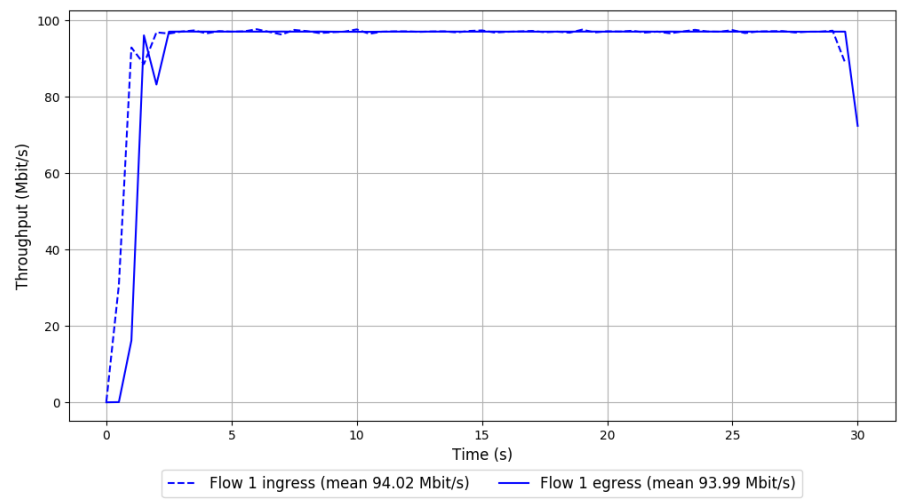


Run 8: Statistics of FillP

Start at: 2018-07-04 05:18:29
End at: 2018-07-04 05:18:59
Local clock offset: -1.428 ms
Remote clock offset: 16.992 ms

Below is generated by plot.py at 2018-07-04 06:16:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 87.150 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 87.150 ms
Loss rate: 0.59%

Run 8: Report of FillP — Data Link

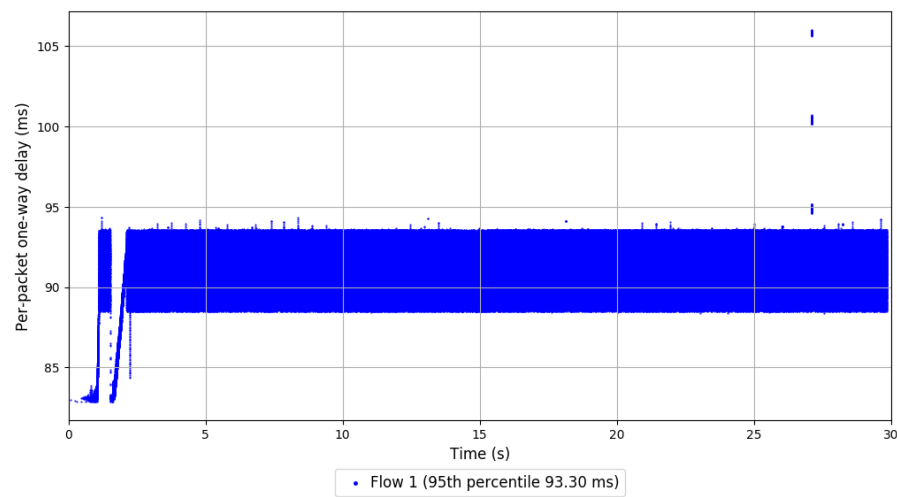
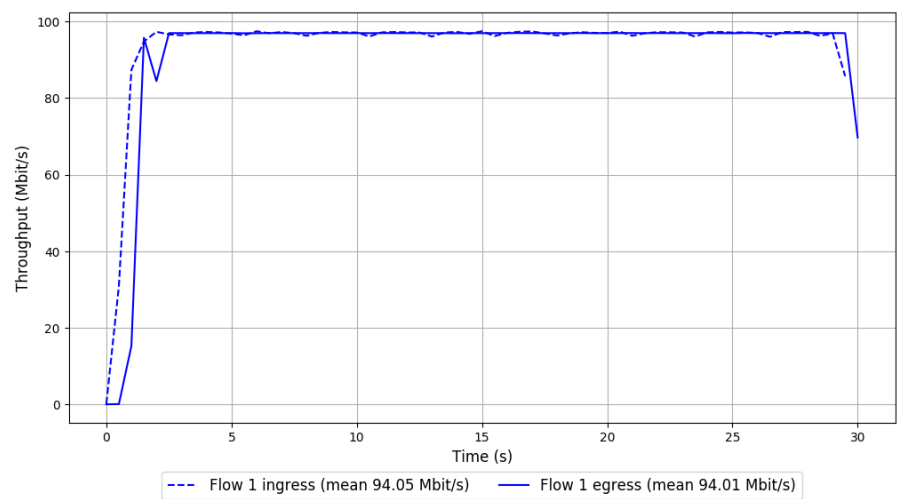


Run 9: Statistics of FillP

Start at: 2018-07-04 05:38:21
End at: 2018-07-04 05:38:51
Local clock offset: -1.349 ms
Remote clock offset: 11.455 ms

Below is generated by plot.py at 2018-07-04 06:17:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 93.296 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 93.296 ms
Loss rate: 0.59%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-04 05:58:14

End at: 2018-07-04 05:58:44

Local clock offset: -1.75 ms

Remote clock offset: 2.421 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.97 Mbit/s

95th percentile per-packet one-way delay: 92.931 ms

Loss rate: 0.59%

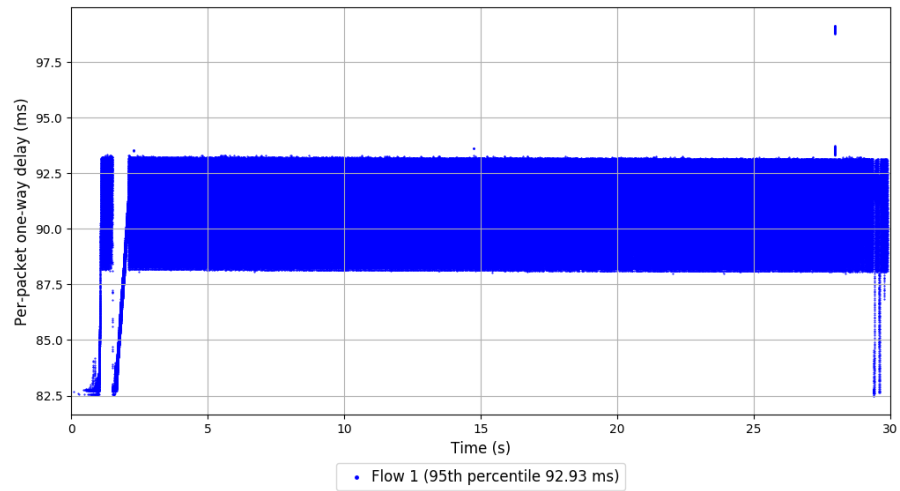
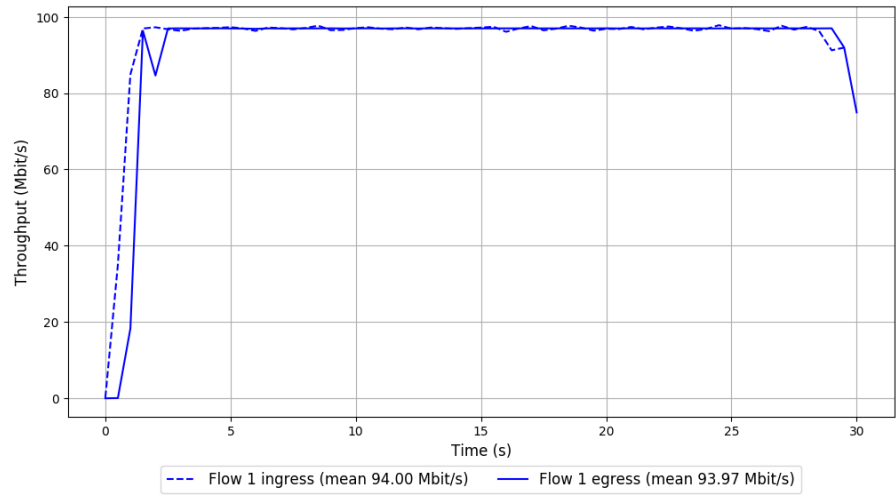
-- Flow 1:

Average throughput: 93.97 Mbit/s

95th percentile per-packet one-way delay: 92.931 ms

Loss rate: 0.59%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-04 02:54:56

End at: 2018-07-04 02:55:26

Local clock offset: -2.808 ms

Remote clock offset: 9.279 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 89.456 ms

Loss rate: 0.61%

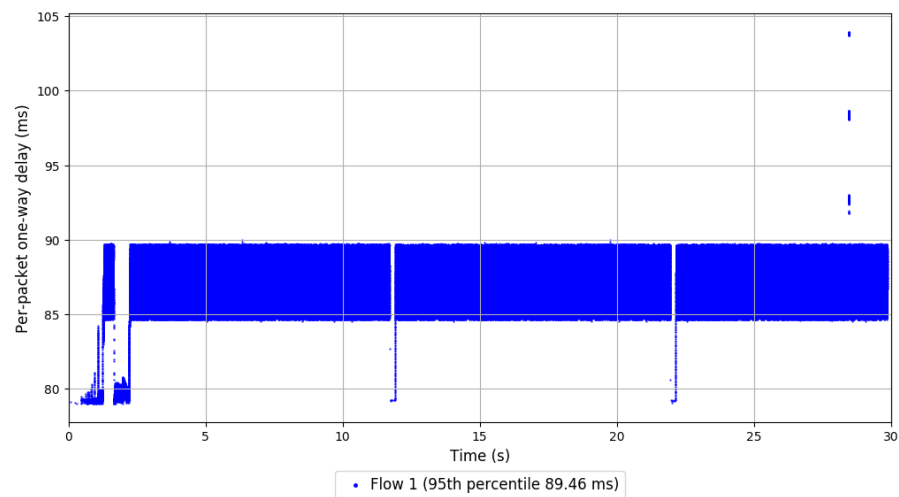
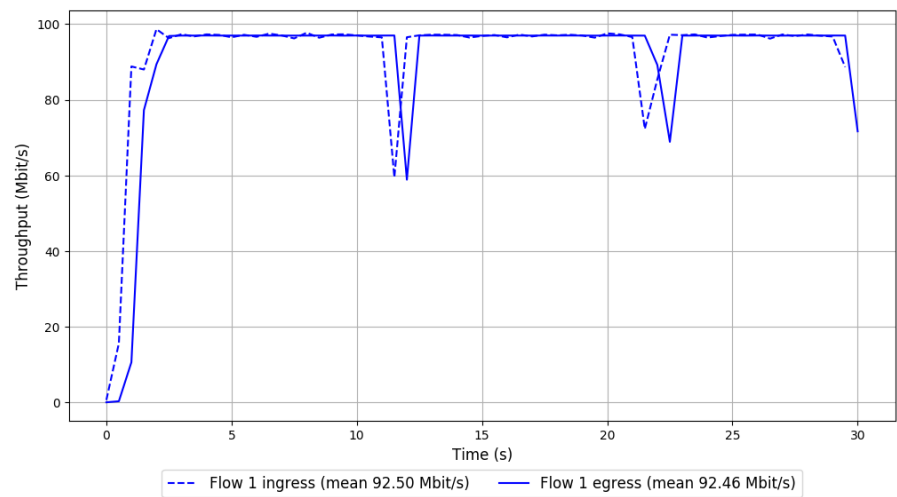
-- Flow 1:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 89.456 ms

Loss rate: 0.61%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-04 03:14:45

End at: 2018-07-04 03:15:15

Local clock offset: -1.902 ms

Remote clock offset: 9.515 ms

Below is generated by plot.py at 2018-07-04 06:17:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 90.689 ms

Loss rate: 0.60%

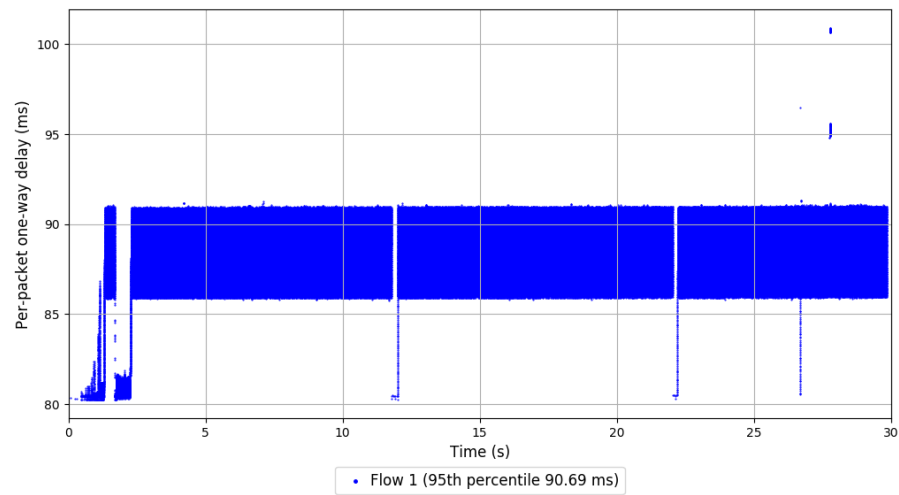
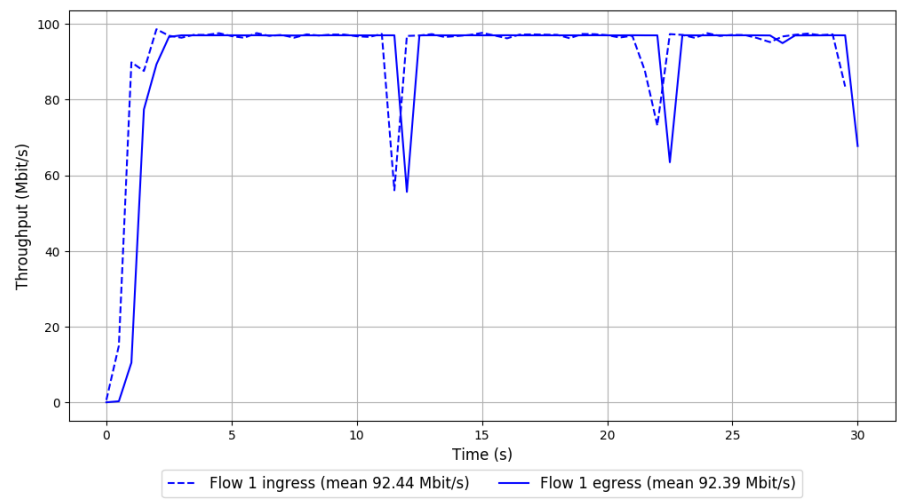
-- Flow 1:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 90.689 ms

Loss rate: 0.60%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-04 03:34:35

End at: 2018-07-04 03:35:05

Local clock offset: -2.449 ms

Remote clock offset: 5.308 ms

Below is generated by plot.py at 2018-07-04 06:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 92.428 ms

Loss rate: 0.61%

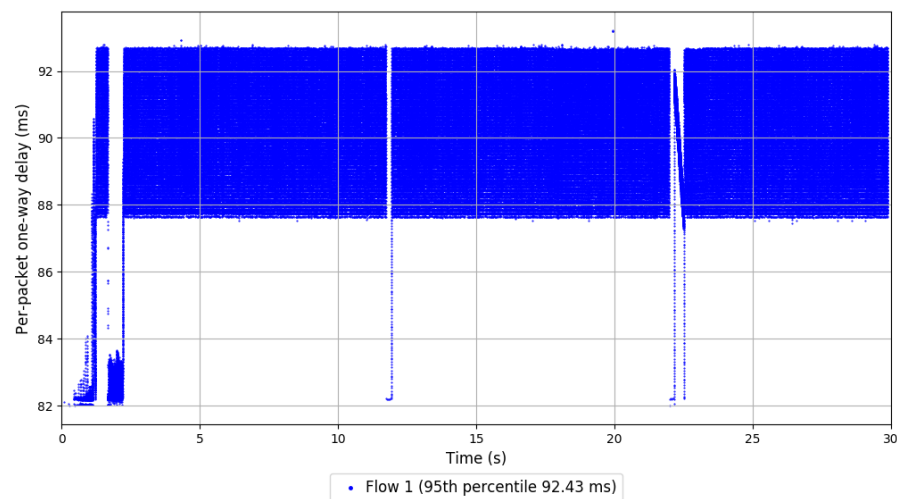
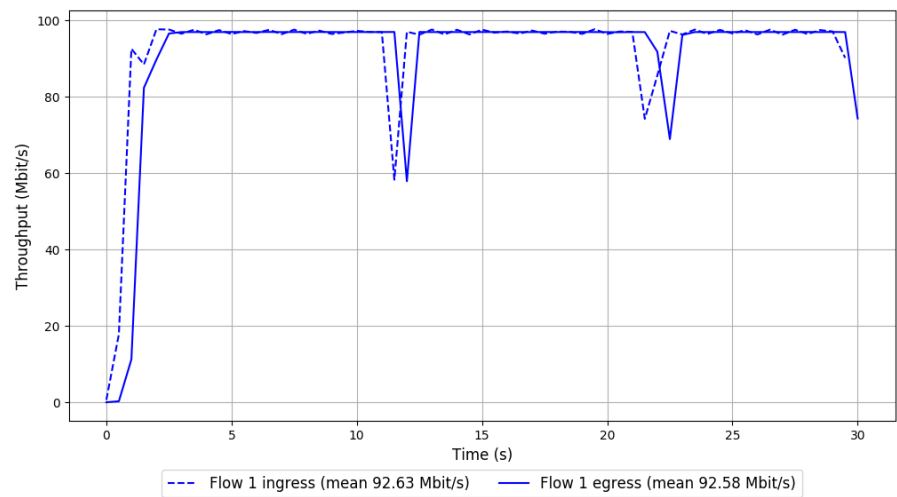
-- Flow 1:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 92.428 ms

Loss rate: 0.61%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-04 03:54:24

End at: 2018-07-04 03:54:54

Local clock offset: -2.583 ms

Remote clock offset: 9.149 ms

Below is generated by plot.py at 2018-07-04 06:17:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 90.273 ms

Loss rate: 0.60%

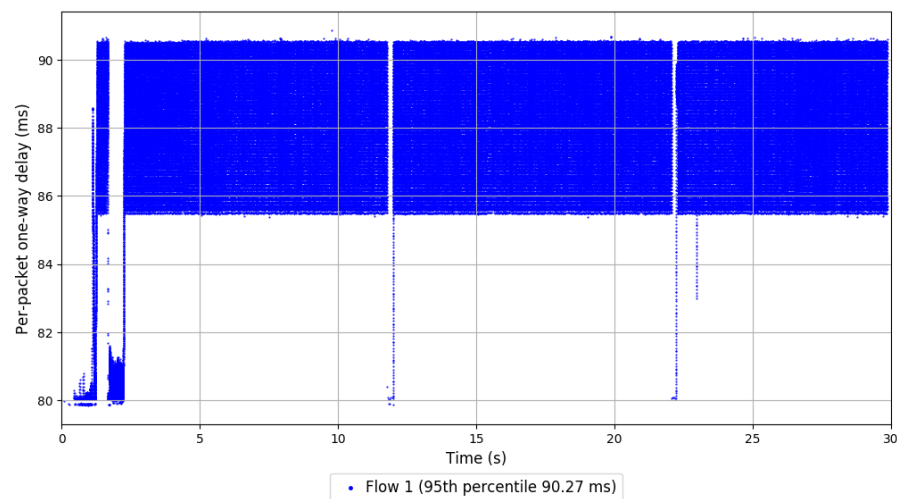
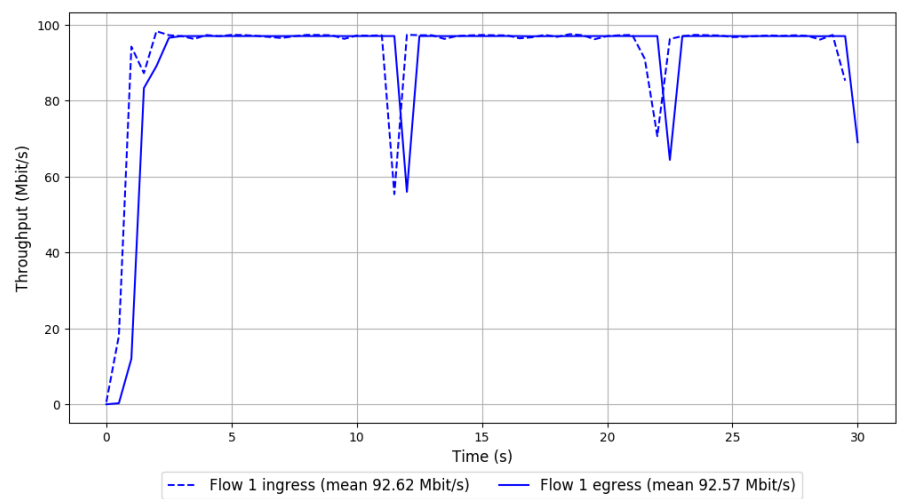
-- Flow 1:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 90.273 ms

Loss rate: 0.60%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-04 04:14:20

End at: 2018-07-04 04:14:50

Local clock offset: -4.41 ms

Remote clock offset: 11.692 ms

Below is generated by plot.py at 2018-07-04 06:17:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 92.642 ms

Loss rate: 0.60%

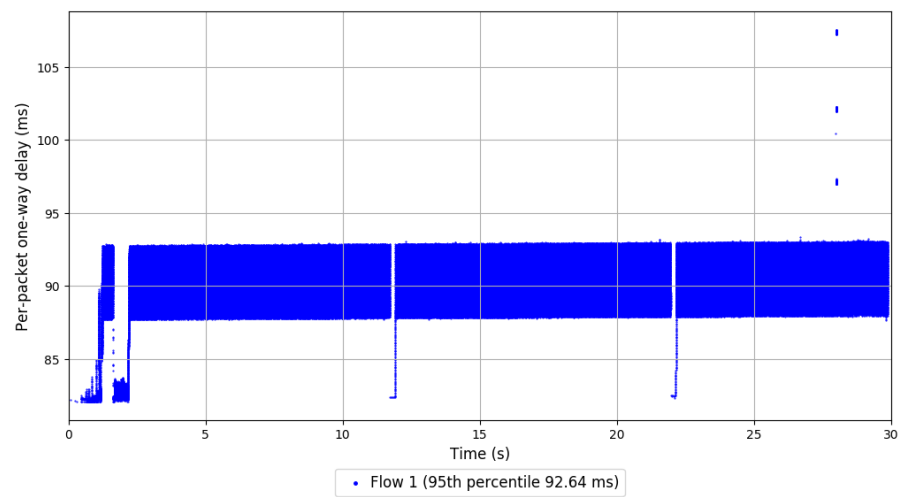
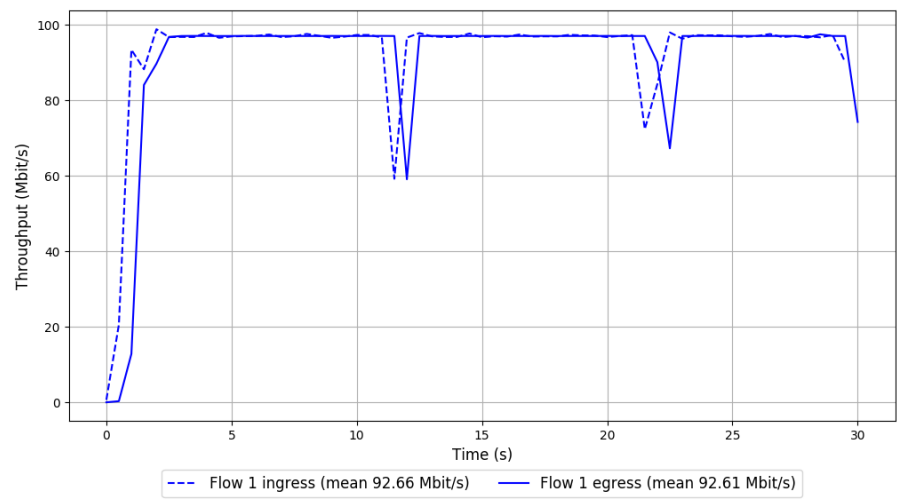
-- Flow 1:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 92.642 ms

Loss rate: 0.60%

Run 5: Report of FillP-Sheep — Data Link

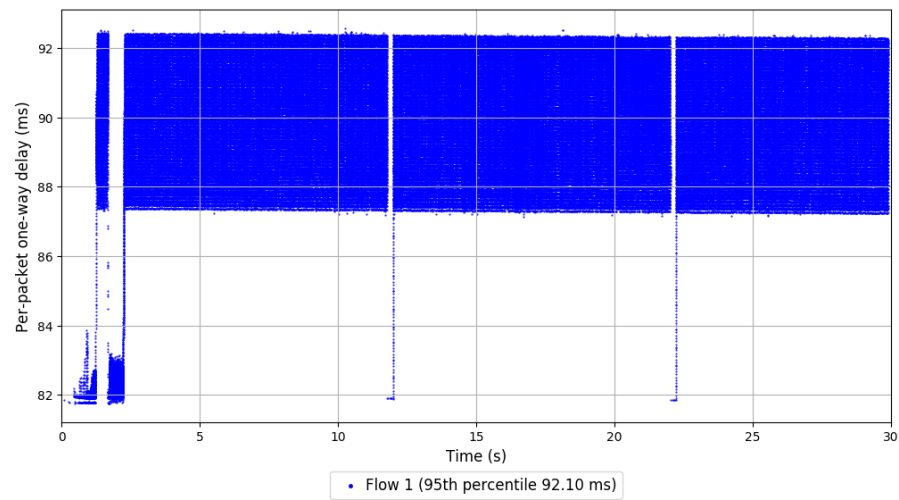
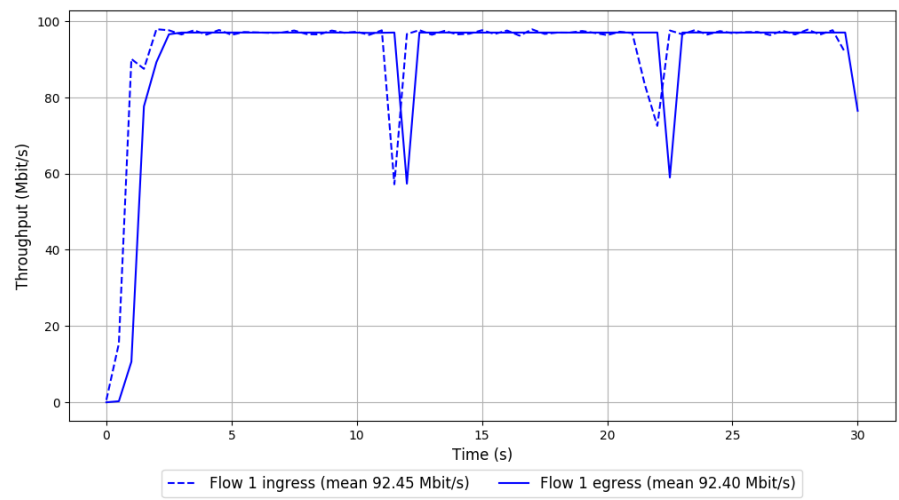


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-04 04:34:11
End at: 2018-07-04 04:34:41
Local clock offset: -7.893 ms
Remote clock offset: 14.205 ms

Below is generated by plot.py at 2018-07-04 06:18:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 92.102 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 92.102 ms
Loss rate: 0.60%

Run 6: Report of FillP-Sheep — Data Link

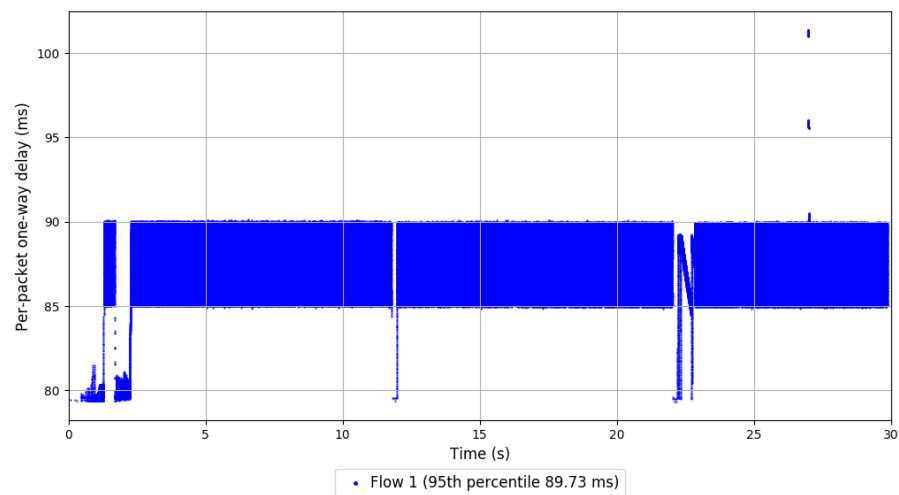
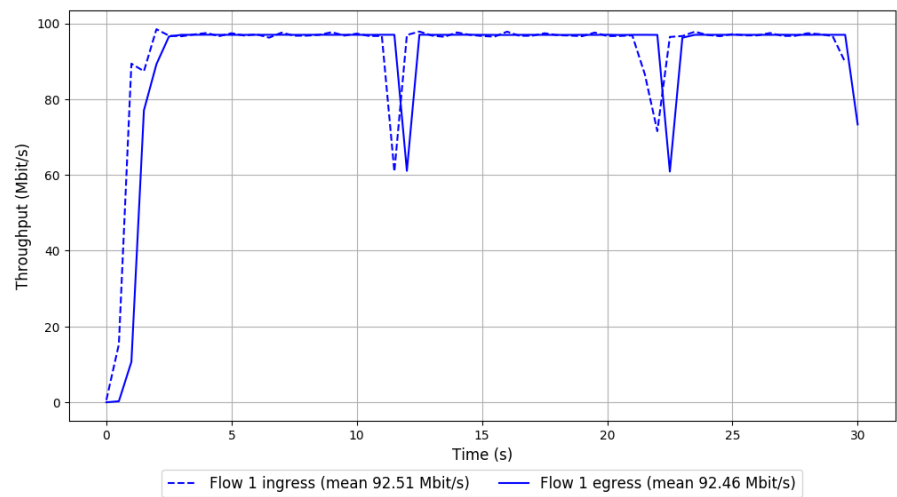


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-04 04:54:04
End at: 2018-07-04 04:54:34
Local clock offset: -2.662 ms
Remote clock offset: 15.764 ms

Below is generated by plot.py at 2018-07-04 06:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 89.726 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 89.726 ms
Loss rate: 0.60%

Run 7: Report of FillP-Sheep — Data Link

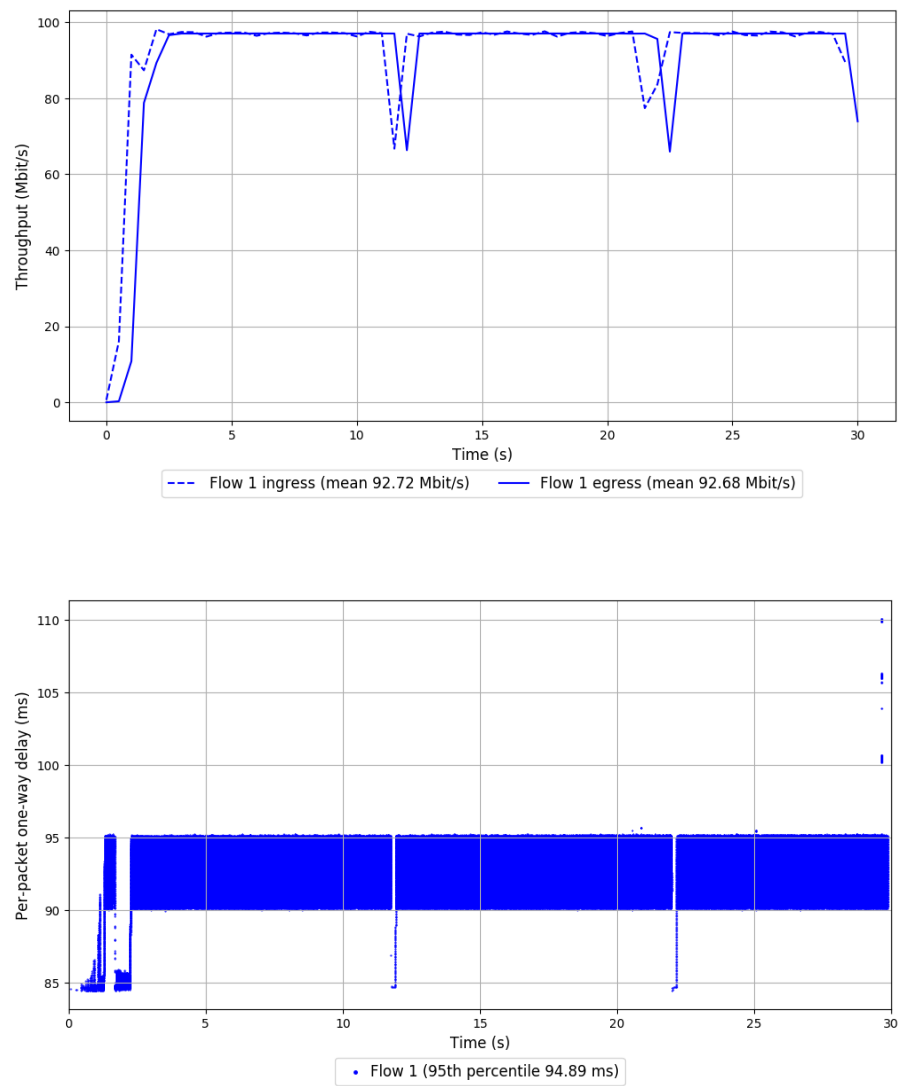


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-04 05:13:54
End at: 2018-07-04 05:14:24
Local clock offset: -1.265 ms
Remote clock offset: 10.794 ms

Below is generated by plot.py at 2018-07-04 06:18:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 94.888 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 94.888 ms
Loss rate: 0.61%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-04 05:33:44

End at: 2018-07-04 05:34:14

Local clock offset: -1.48 ms

Remote clock offset: 16.201 ms

Below is generated by plot.py at 2018-07-04 06:18:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.33 Mbit/s

95th percentile per-packet one-way delay: 87.767 ms

Loss rate: 18.04%

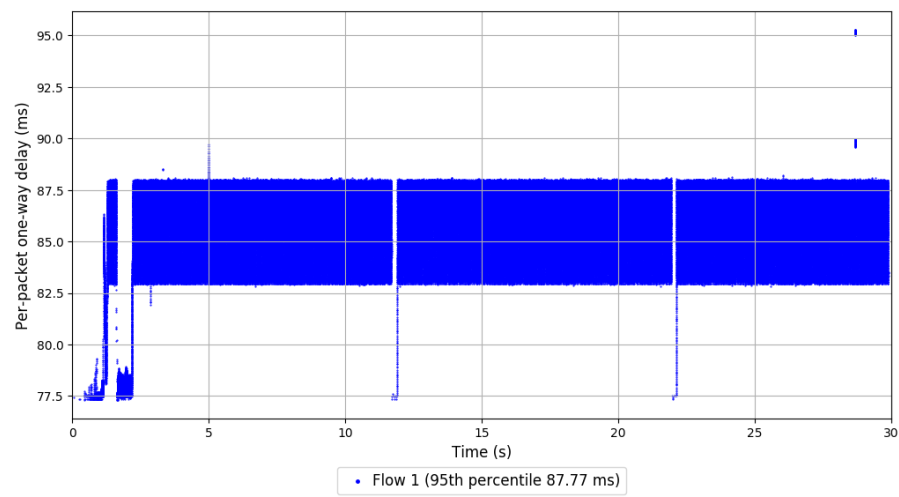
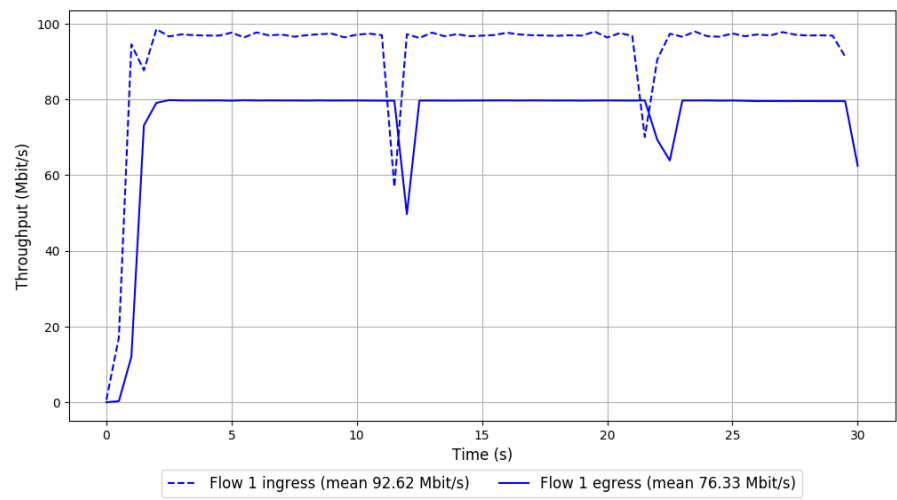
-- Flow 1:

Average throughput: 76.33 Mbit/s

95th percentile per-packet one-way delay: 87.767 ms

Loss rate: 18.04%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-04 05:53:38

End at: 2018-07-04 05:54:08

Local clock offset: -1.806 ms

Remote clock offset: 3.459 ms

Below is generated by plot.py at 2018-07-04 06:18:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.62 Mbit/s

95th percentile per-packet one-way delay: 94.273 ms

Loss rate: 0.60%

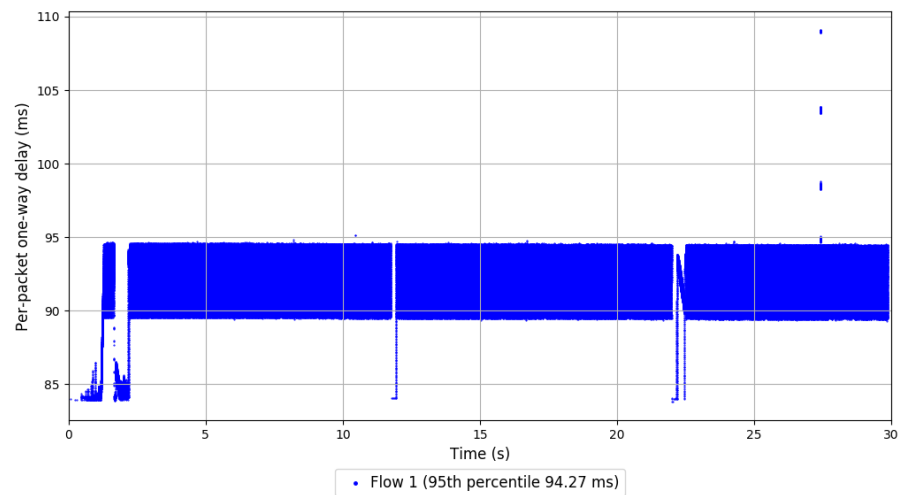
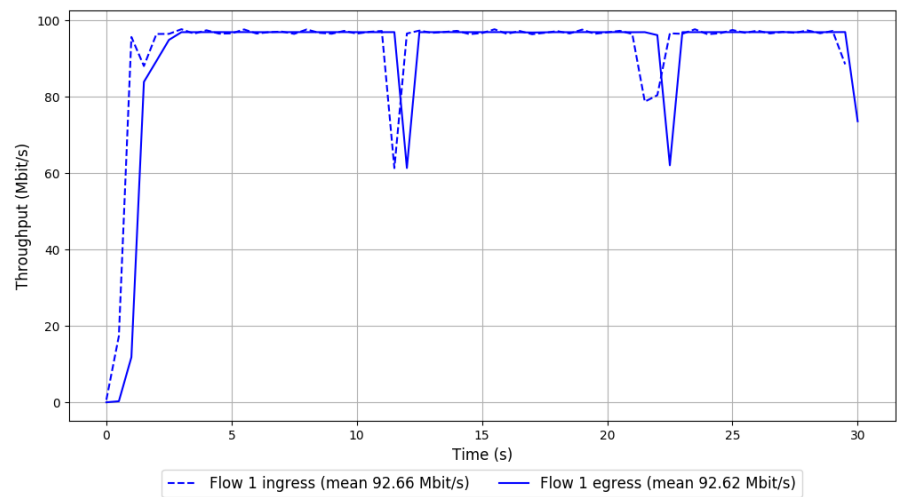
-- Flow 1:

Average throughput: 92.62 Mbit/s

95th percentile per-packet one-way delay: 94.273 ms

Loss rate: 0.60%

Run 10: Report of FillP-Sheep — Data Link

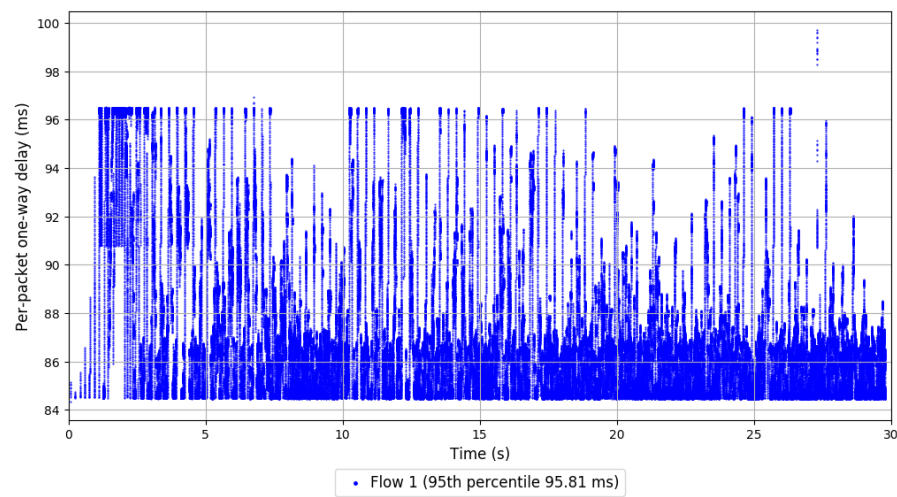
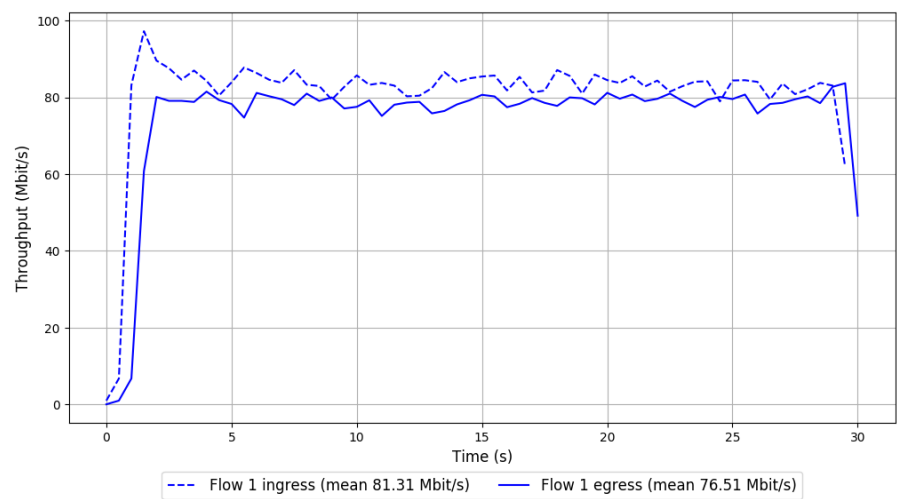


```
Run 1: Statistics of Indigo

Start at: 2018-07-04 02:52:34
End at: 2018-07-04 02:53:04
Local clock offset: -3.122 ms
Remote clock offset: 2.893 ms

# Below is generated by plot.py at 2018-07-04 06:18:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.51 Mbit/s
95th percentile per-packet one-way delay: 95.809 ms
Loss rate: 6.42%
-- Flow 1:
Average throughput: 76.51 Mbit/s
95th percentile per-packet one-way delay: 95.809 ms
Loss rate: 6.42%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-04 03:12:24

End at: 2018-07-04 03:12:54

Local clock offset: -1.671 ms

Remote clock offset: 8.451 ms

Below is generated by plot.py at 2018-07-04 06:18:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.73 Mbit/s

95th percentile per-packet one-way delay: 90.837 ms

Loss rate: 8.97%

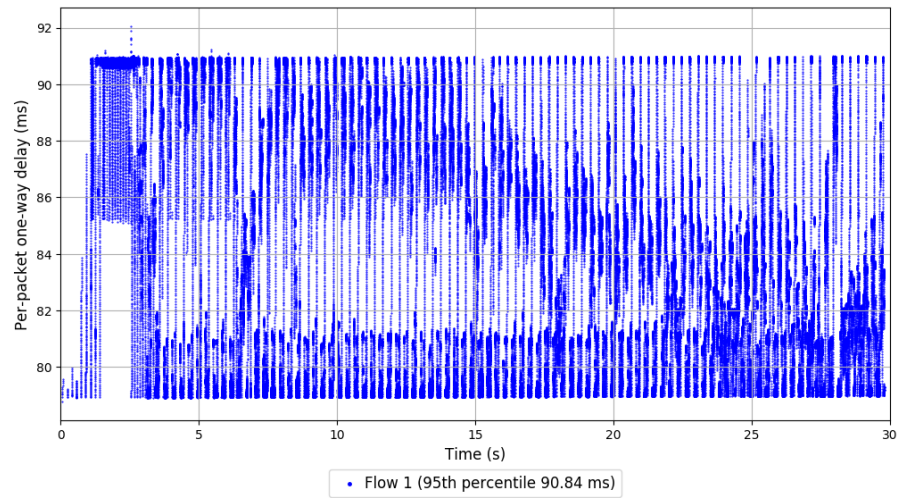
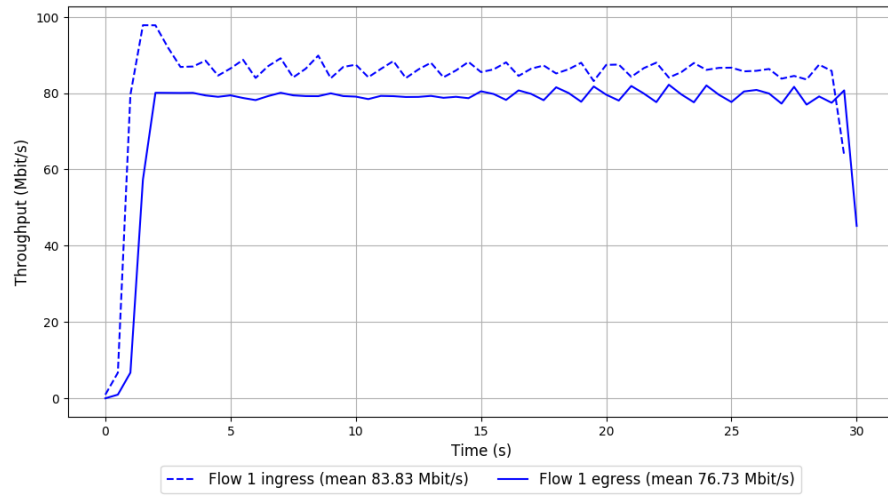
-- Flow 1:

Average throughput: 76.73 Mbit/s

95th percentile per-packet one-way delay: 90.837 ms

Loss rate: 8.97%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-04 03:32:12

End at: 2018-07-04 03:32:42

Local clock offset: -2.523 ms

Remote clock offset: 4.214 ms

Below is generated by plot.py at 2018-07-04 06:18:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.10 Mbit/s

95th percentile per-packet one-way delay: 96.856 ms

Loss rate: 3.74%

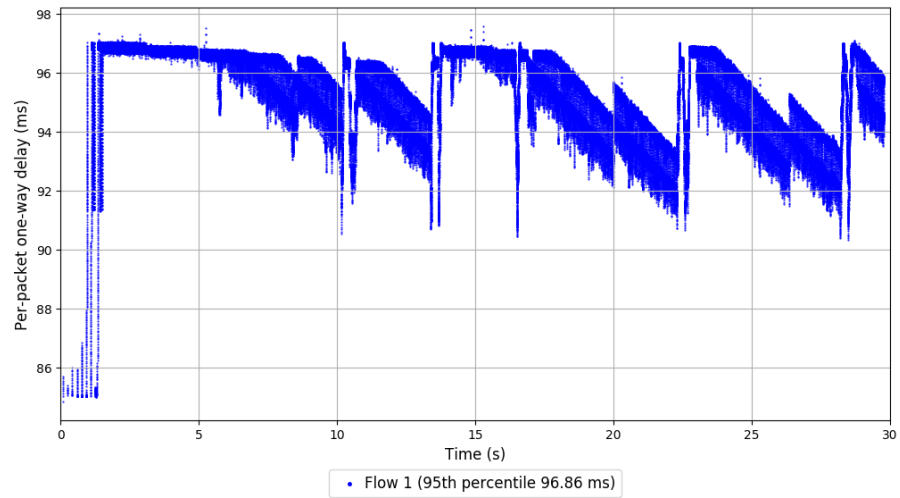
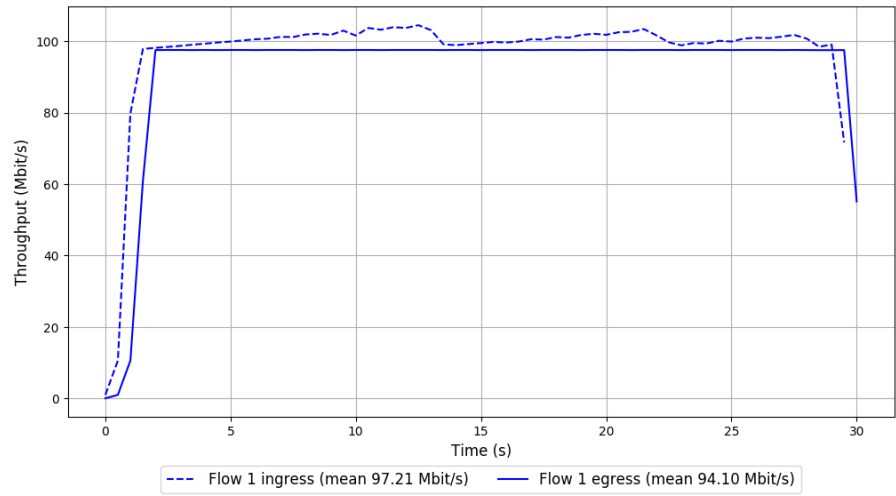
-- Flow 1:

Average throughput: 94.10 Mbit/s

95th percentile per-packet one-way delay: 96.856 ms

Loss rate: 3.74%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-04 03:52:01

End at: 2018-07-04 03:52:31

Local clock offset: -2.579 ms

Remote clock offset: 4.099 ms

Below is generated by plot.py at 2018-07-04 06:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.59 Mbit/s

95th percentile per-packet one-way delay: 91.399 ms

Loss rate: 0.60%

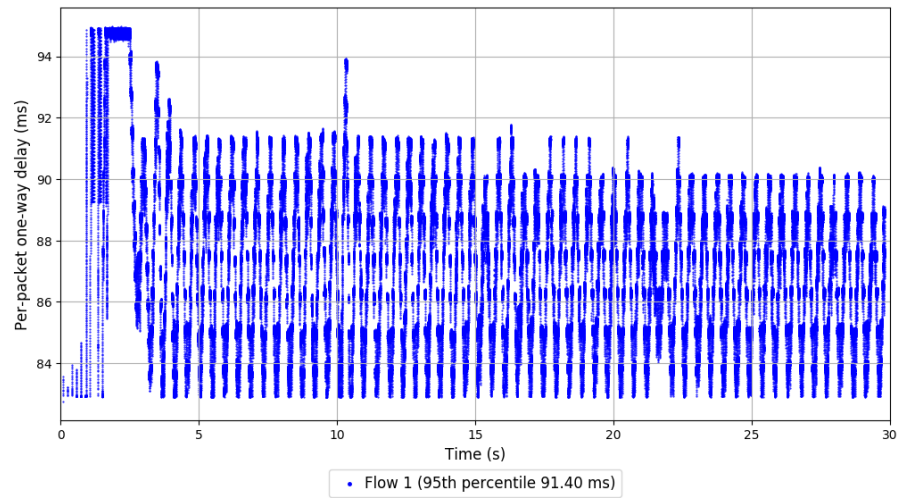
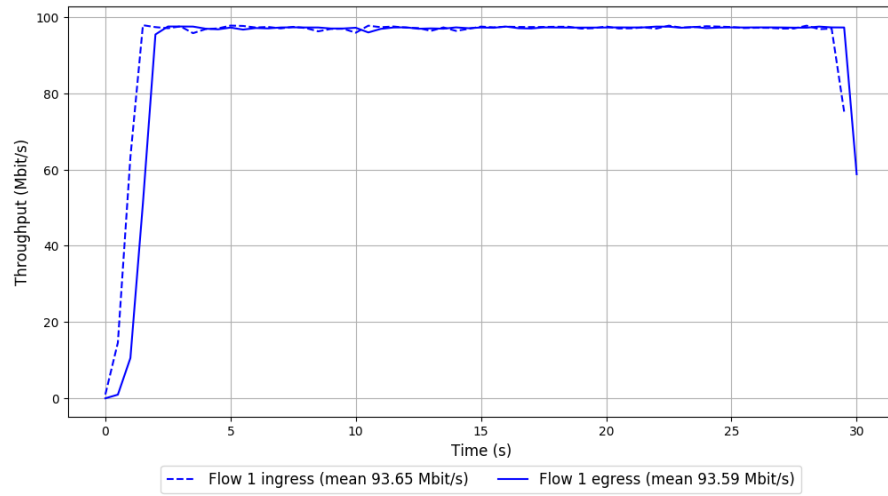
-- Flow 1:

Average throughput: 93.59 Mbit/s

95th percentile per-packet one-way delay: 91.399 ms

Loss rate: 0.60%

Run 4: Report of Indigo — Data Link

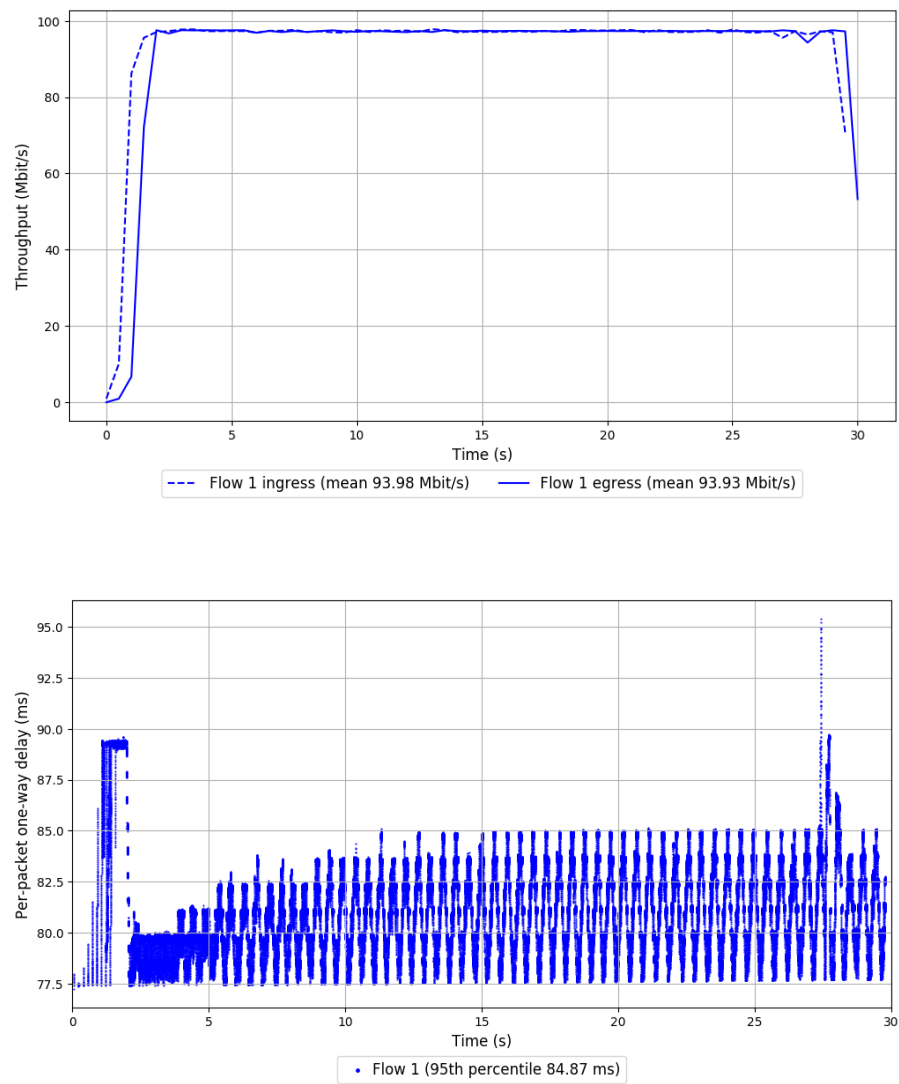


Run 5: Statistics of Indigo

Start at: 2018-07-04 04:11:57
End at: 2018-07-04 04:12:27
Local clock offset: -3.423 ms
Remote clock offset: 16.061 ms

Below is generated by plot.py at 2018-07-04 06:19:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 84.869 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 84.869 ms
Loss rate: 0.59%

Run 5: Report of Indigo — Data Link

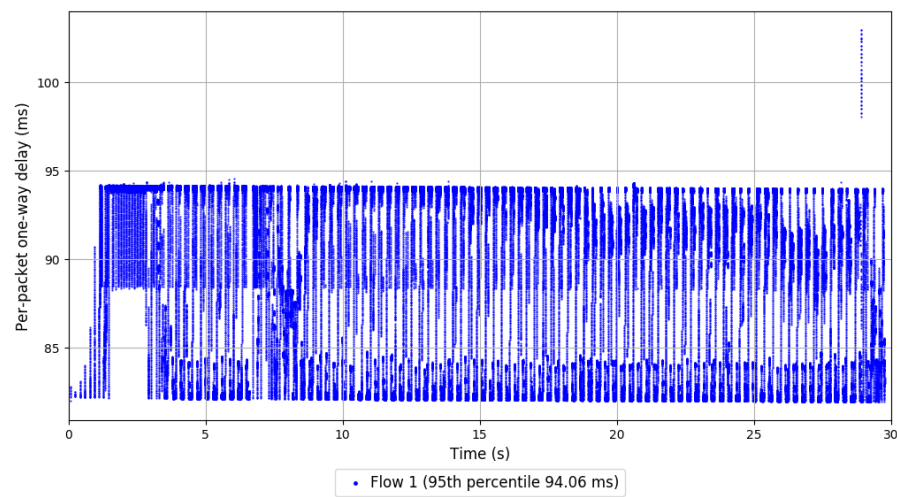
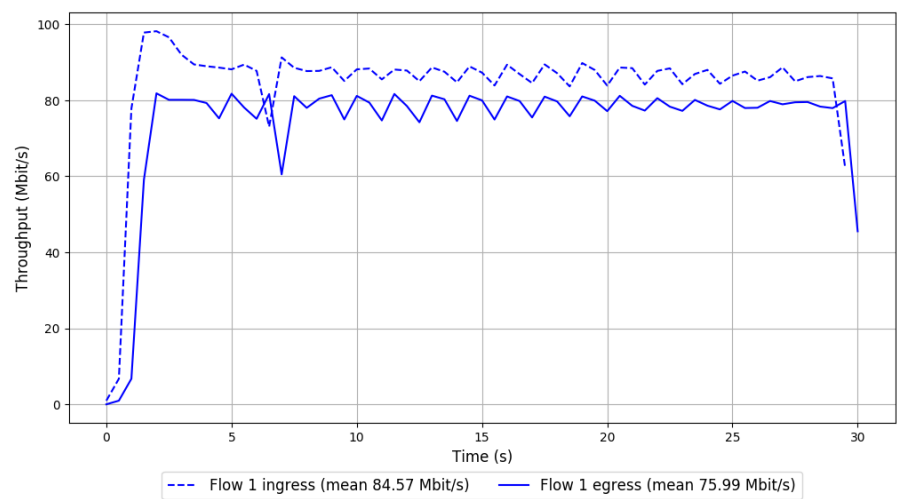


Run 6: Statistics of Indigo

Start at: 2018-07-04 04:31:49
End at: 2018-07-04 04:32:19
Local clock offset: -7.645 ms
Remote clock offset: 15.197 ms

Below is generated by plot.py at 2018-07-04 06:19:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 94.057 ms
Loss rate: 10.64%
-- Flow 1:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 94.057 ms
Loss rate: 10.64%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-04 04:51:41

End at: 2018-07-04 04:52:11

Local clock offset: -3.141 ms

Remote clock offset: 11.87 ms

Below is generated by plot.py at 2018-07-04 06:19:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.92 Mbit/s

95th percentile per-packet one-way delay: 94.777 ms

Loss rate: 3.53%

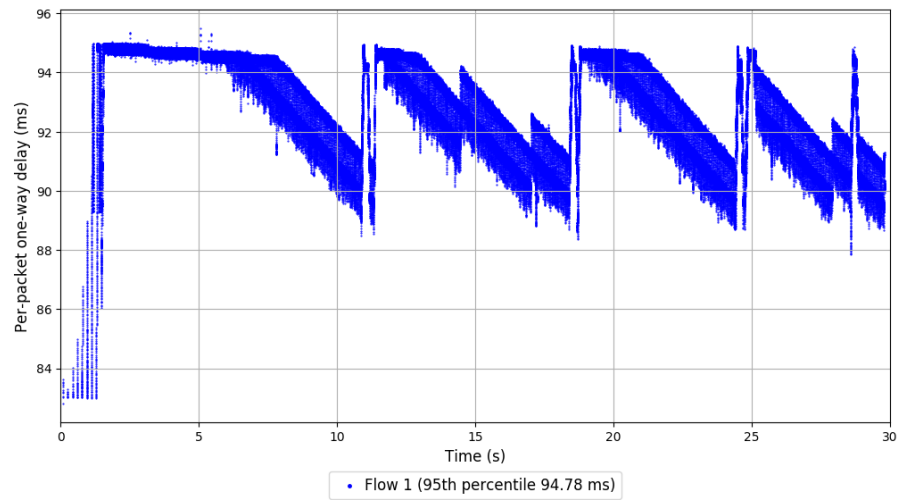
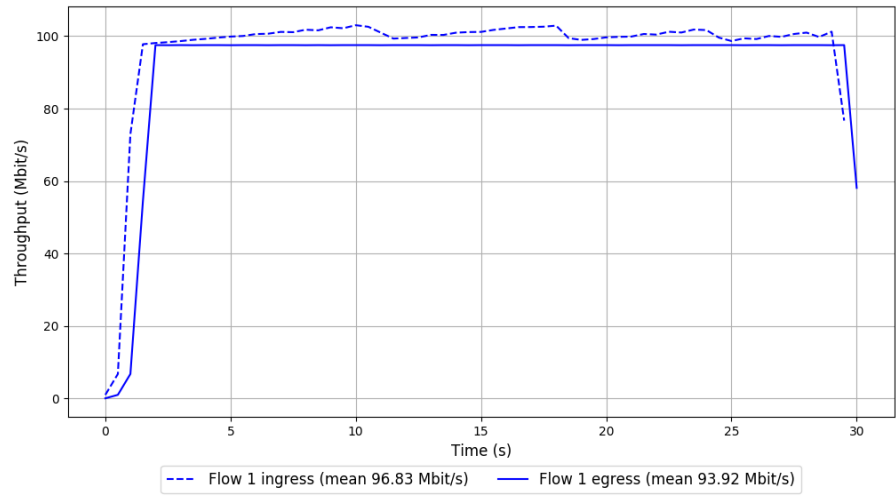
-- Flow 1:

Average throughput: 93.92 Mbit/s

95th percentile per-packet one-way delay: 94.777 ms

Loss rate: 3.53%

Run 7: Report of Indigo — Data Link

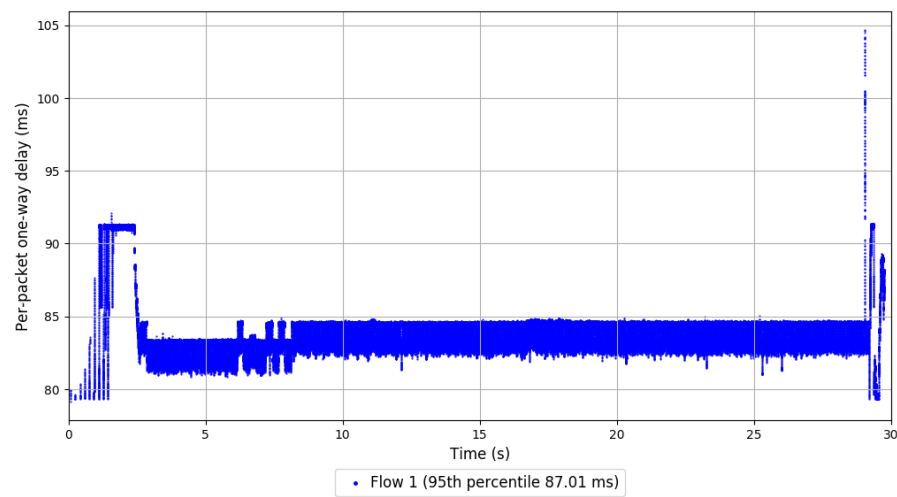
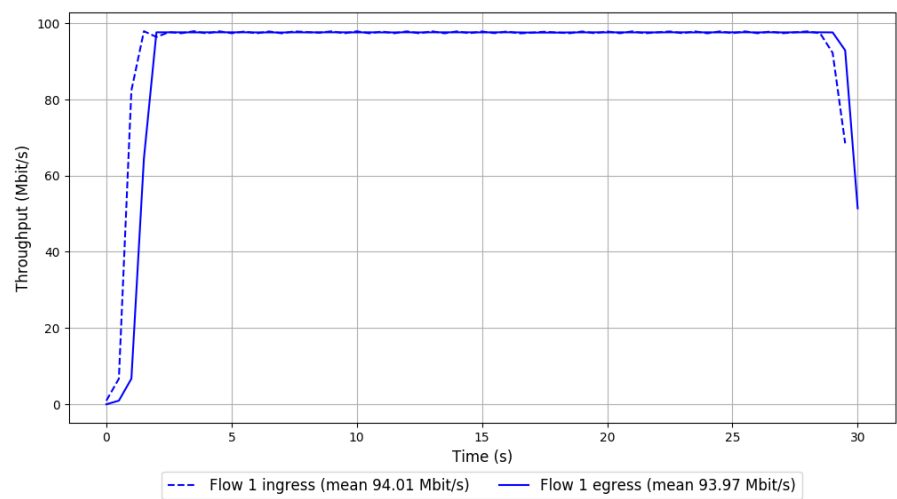


Run 8: Statistics of Indigo

Start at: 2018-07-04 05:11:32
End at: 2018-07-04 05:12:02
Local clock offset: -1.054 ms
Remote clock offset: 16.834 ms

Below is generated by plot.py at 2018-07-04 06:19:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 87.008 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 87.008 ms
Loss rate: 0.59%

Run 8: Report of Indigo — Data Link

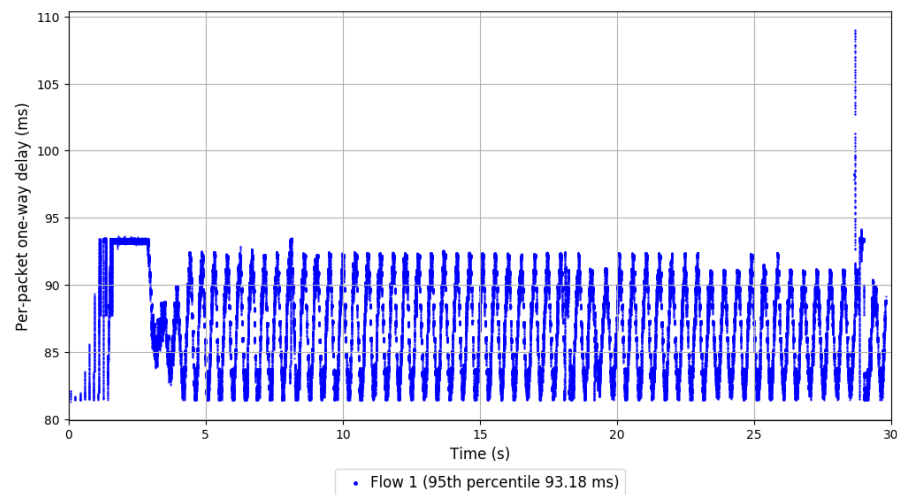
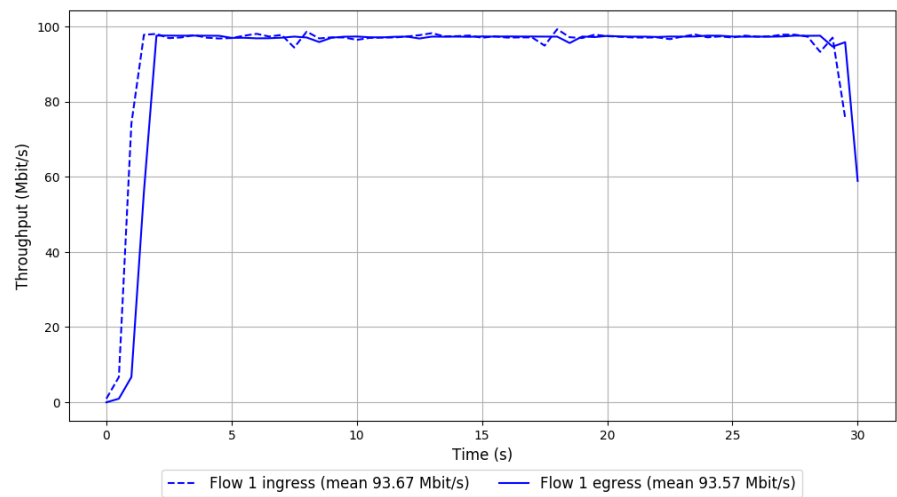


Run 9: Statistics of Indigo

Start at: 2018-07-04 05:31:21
End at: 2018-07-04 05:31:51
Local clock offset: -1.446 ms
Remote clock offset: 12.209 ms

Below is generated by plot.py at 2018-07-04 06:19:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 93.182 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 93.182 ms
Loss rate: 0.64%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-04 05:51:15

End at: 2018-07-04 05:51:45

Local clock offset: -1.735 ms

Remote clock offset: 5.274 ms

Below is generated by plot.py at 2018-07-04 06:19:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.03 Mbit/s

95th percentile per-packet one-way delay: 89.902 ms

Loss rate: 0.59%

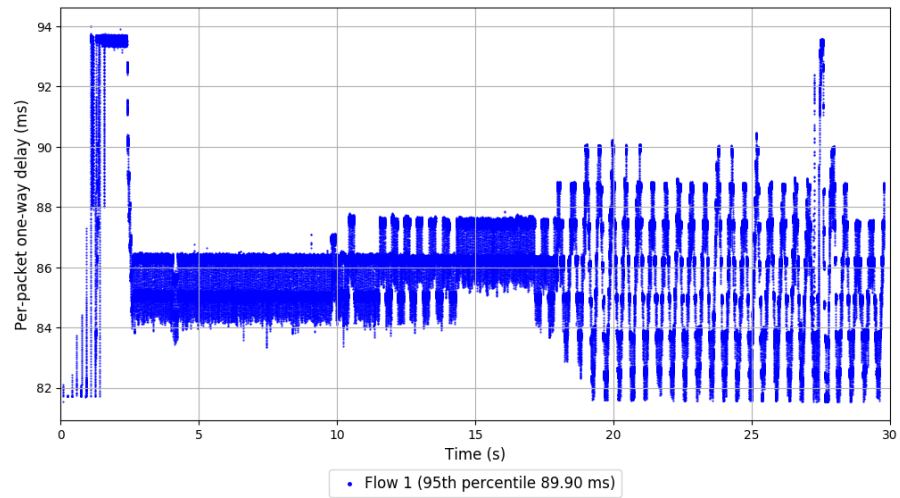
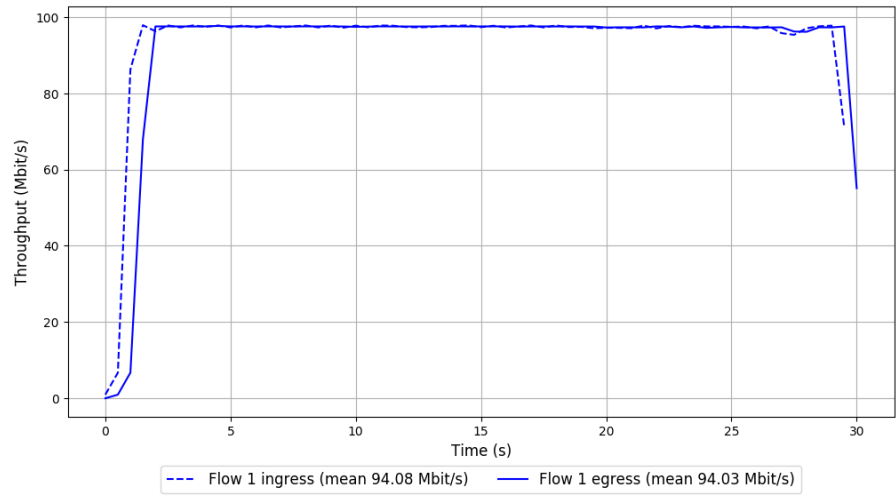
-- Flow 1:

Average throughput: 94.03 Mbit/s

95th percentile per-packet one-way delay: 89.902 ms

Loss rate: 0.59%

Run 10: Report of Indigo — Data Link

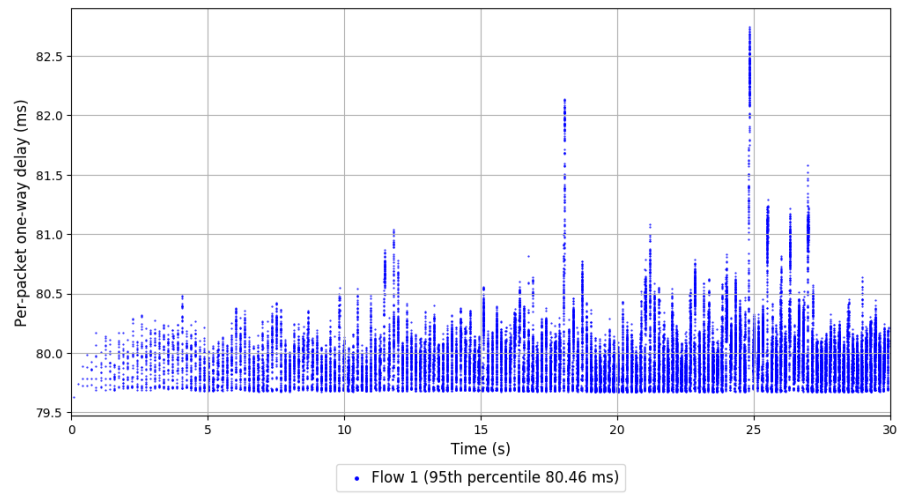
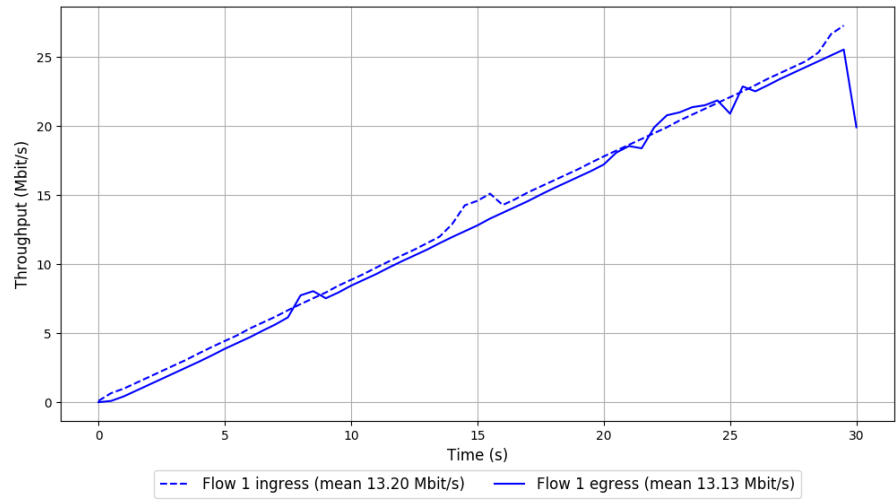


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-04 03:03:02
End at: 2018-07-04 03:03:32
Local clock offset: -1.842 ms
Remote clock offset: 9.012 ms

# Below is generated by plot.py at 2018-07-04 06:19:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 80.458 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 80.458 ms
Loss rate: 1.10%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-04 03:22:49

End at: 2018-07-04 03:23:19

Local clock offset: -2.323 ms

Remote clock offset: 4.75 ms

Below is generated by plot.py at 2018-07-04 06:19:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 83.977 ms

Loss rate: 1.09%

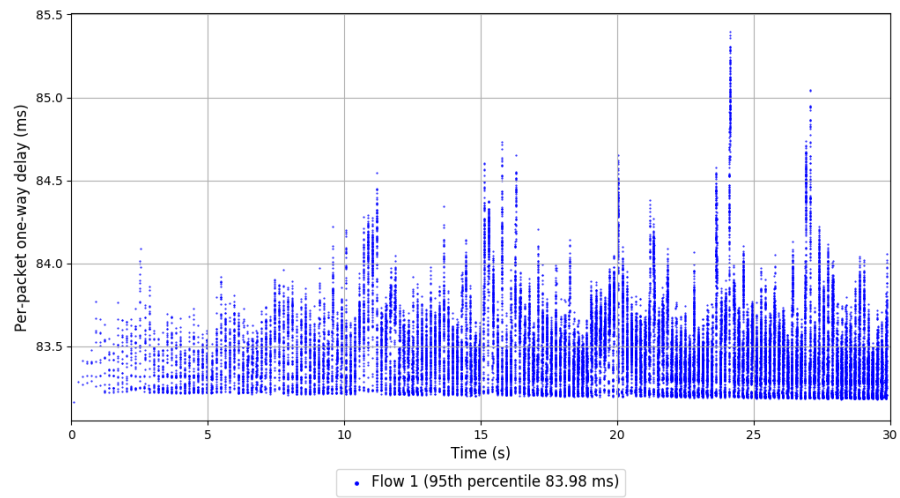
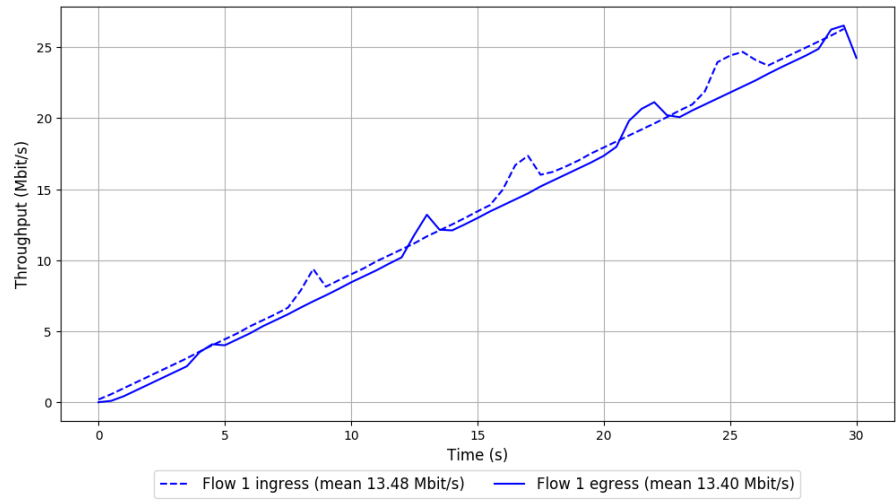
-- Flow 1:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 83.977 ms

Loss rate: 1.09%

Run 2: Report of LEDBAT — Data Link

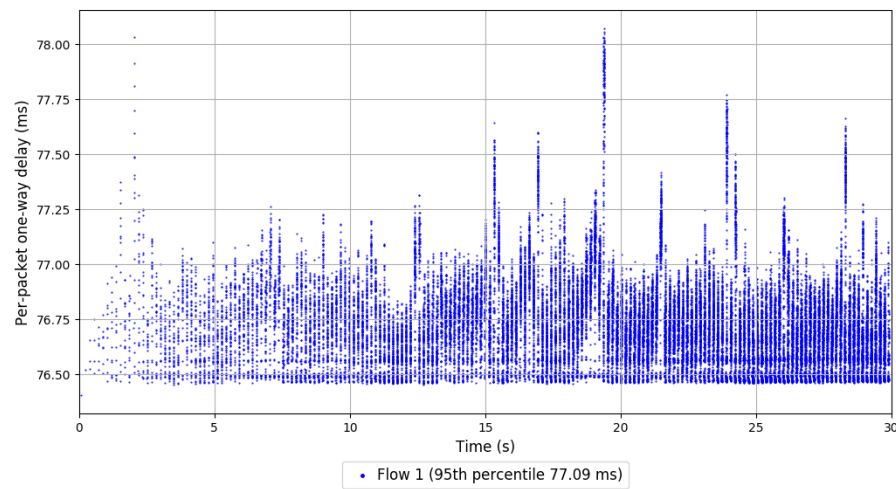
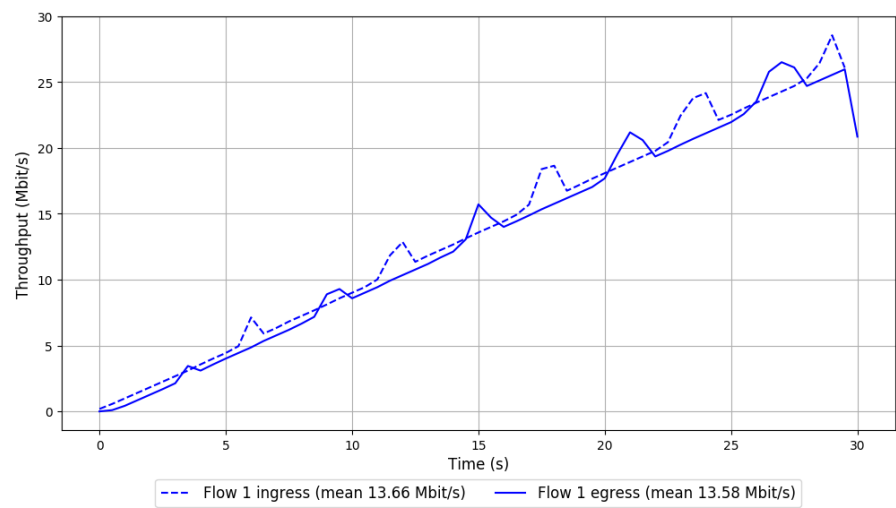


Run 3: Statistics of LEDBAT

Start at: 2018-07-04 03:42:39
End at: 2018-07-04 03:43:09
Local clock offset: -2.504 ms
Remote clock offset: 10.145 ms

Below is generated by plot.py at 2018-07-04 06:19:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 77.090 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 77.090 ms
Loss rate: 1.08%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-04 04:02:29

End at: 2018-07-04 04:02:59

Local clock offset: -2.601 ms

Remote clock offset: 7.692 ms

Below is generated by plot.py at 2018-07-04 06:19:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.96 Mbit/s

95th percentile per-packet one-way delay: 85.558 ms

Loss rate: 1.11%

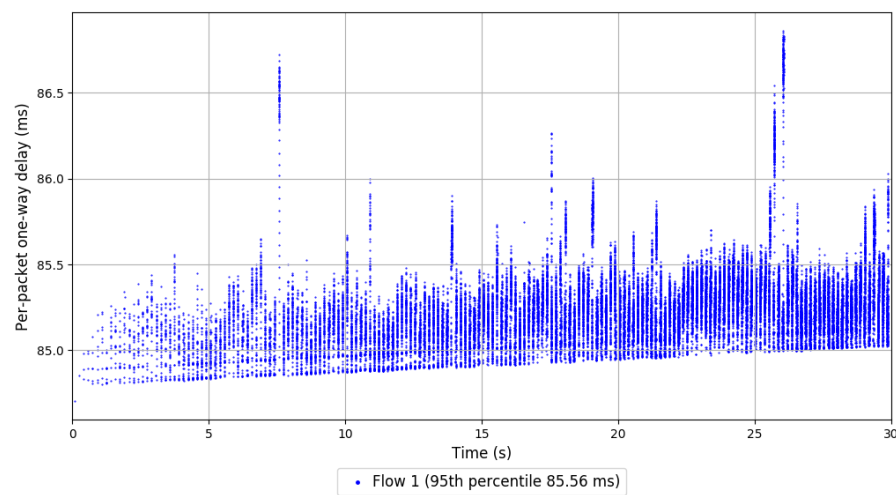
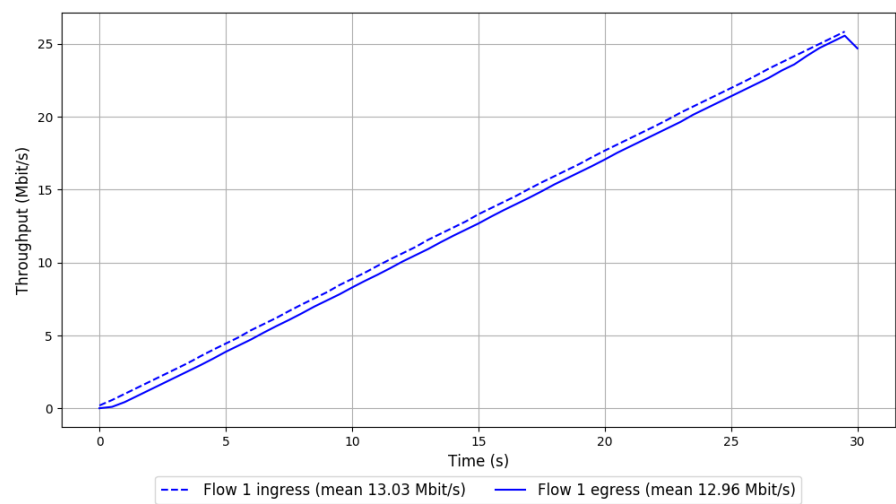
-- Flow 1:

Average throughput: 12.96 Mbit/s

95th percentile per-packet one-way delay: 85.558 ms

Loss rate: 1.11%

Run 4: Report of LEDBAT — Data Link

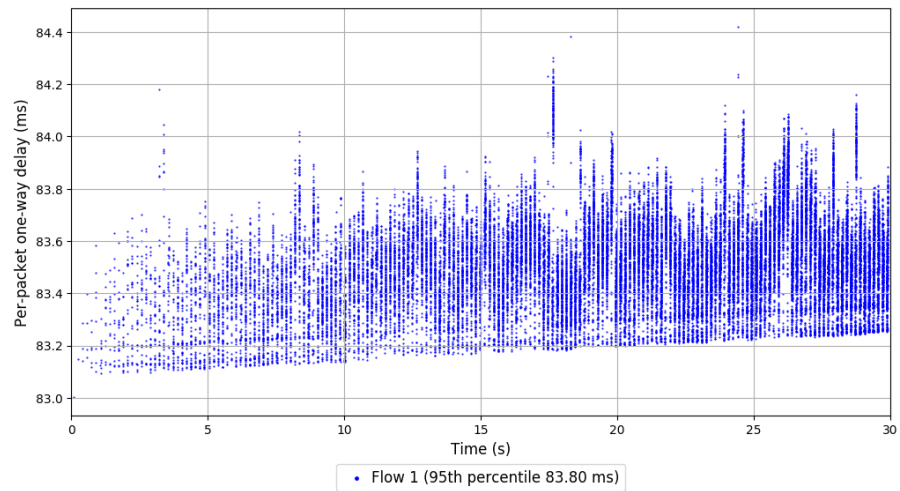
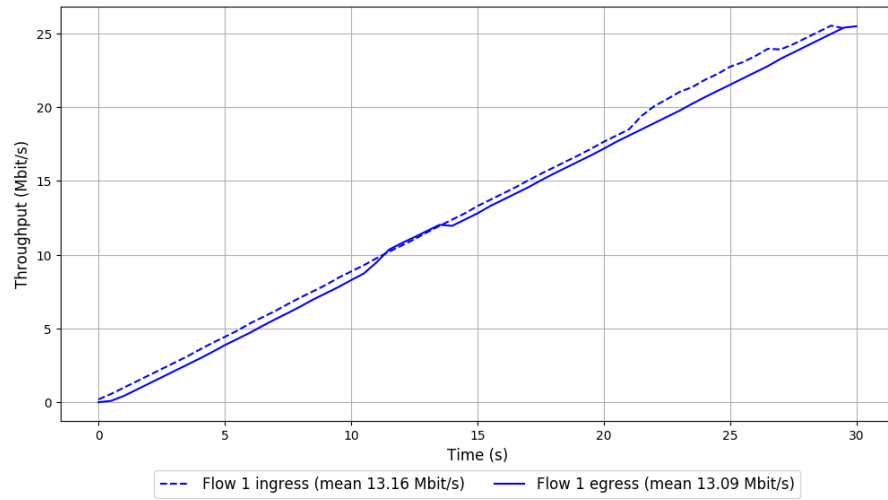


Run 5: Statistics of LEDBAT

Start at: 2018-07-04 04:22:25
End at: 2018-07-04 04:22:55
Local clock offset: -6.461 ms
Remote clock offset: 13.185 ms

Below is generated by plot.py at 2018-07-04 06:19:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 83.800 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 83.800 ms
Loss rate: 1.07%

Run 5: Report of LEDBAT — Data Link

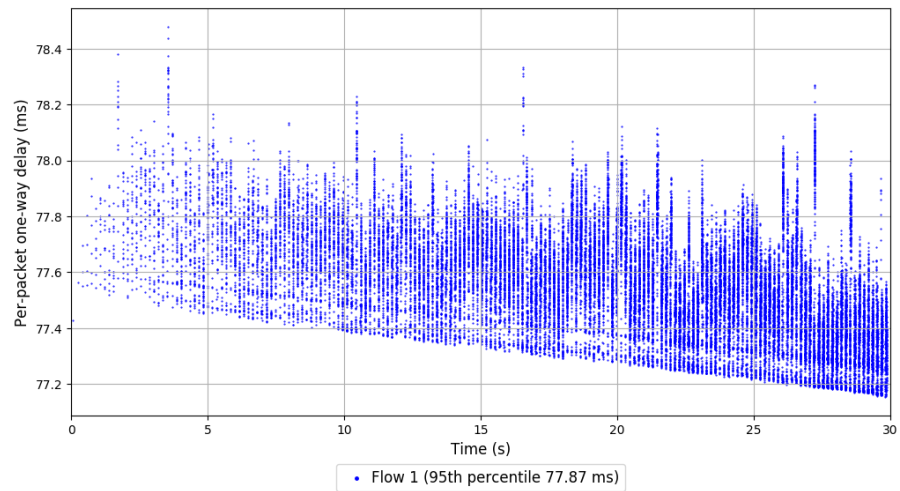
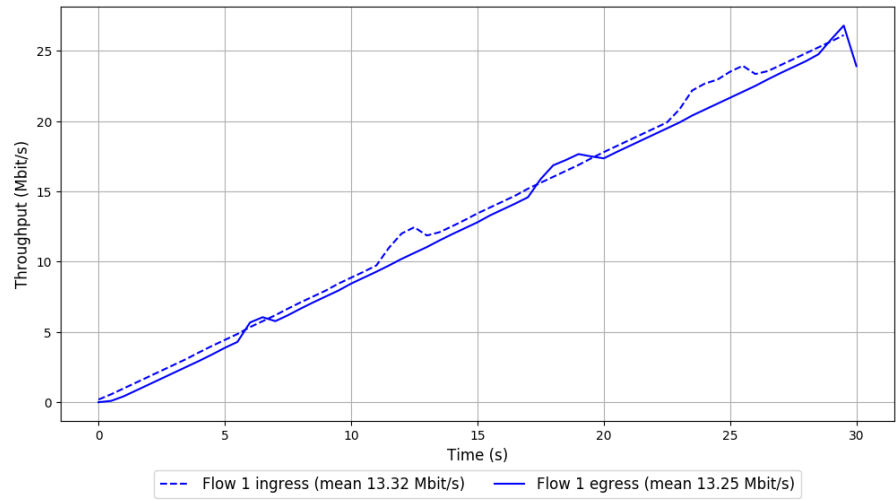


Run 6: Statistics of LEDBAT

Start at: 2018-07-04 04:42:17
End at: 2018-07-04 04:42:47
Local clock offset: -7.094 ms
Remote clock offset: 16.202 ms

Below is generated by plot.py at 2018-07-04 06:19:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 77.872 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 77.872 ms
Loss rate: 1.10%

Run 6: Report of LEDBAT — Data Link

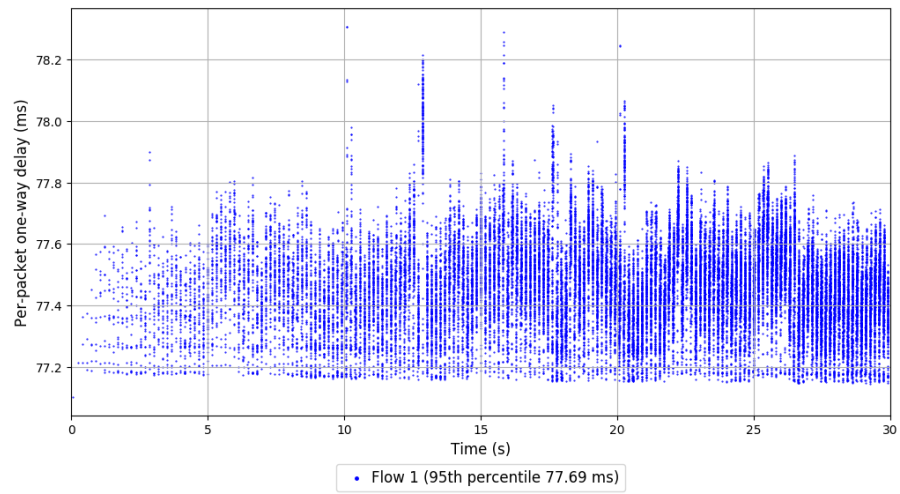
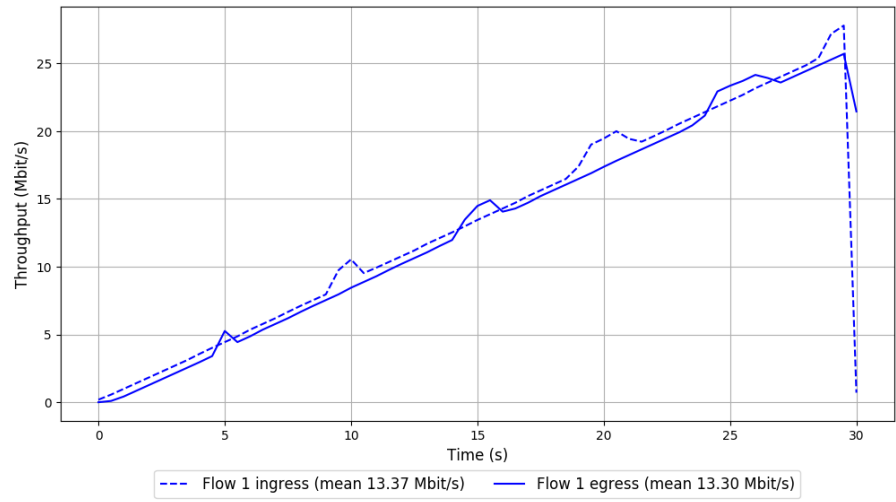


Run 7: Statistics of LEDBAT

Start at: 2018-07-04 05:02:08
End at: 2018-07-04 05:02:38
Local clock offset: -1.578 ms
Remote clock offset: 15.935 ms

Below is generated by plot.py at 2018-07-04 06:19:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 77.695 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 77.695 ms
Loss rate: 1.08%

Run 7: Report of LEDBAT — Data Link

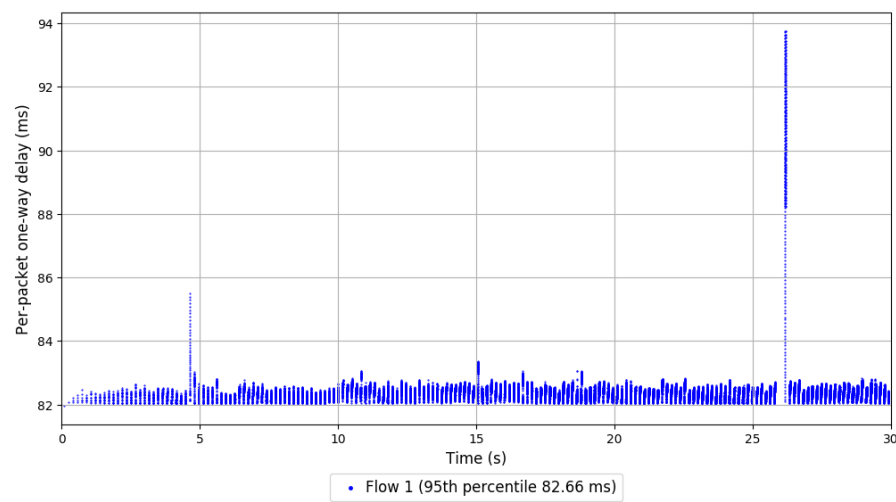
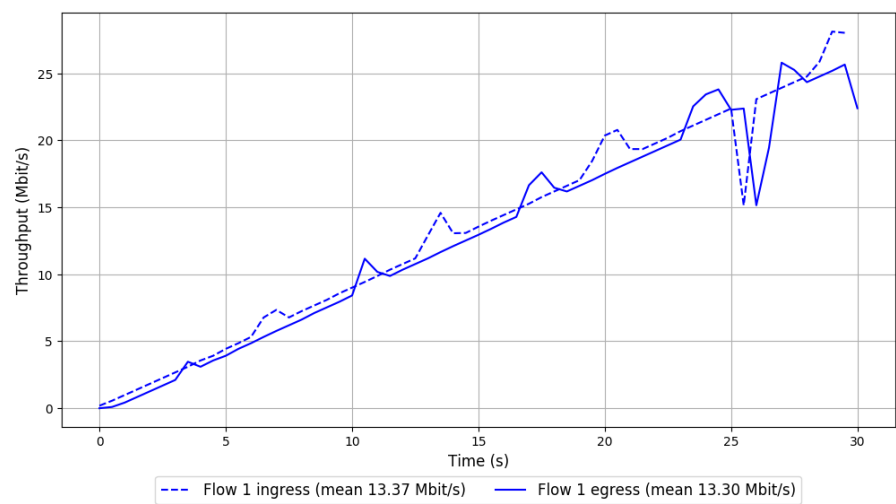


Run 8: Statistics of LEDBAT

Start at: 2018-07-04 05:21:58
End at: 2018-07-04 05:22:28
Local clock offset: -1.533 ms
Remote clock offset: 11.876 ms

Below is generated by plot.py at 2018-07-04 06:19:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 82.656 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 82.656 ms
Loss rate: 1.09%

Run 8: Report of LEDBAT — Data Link

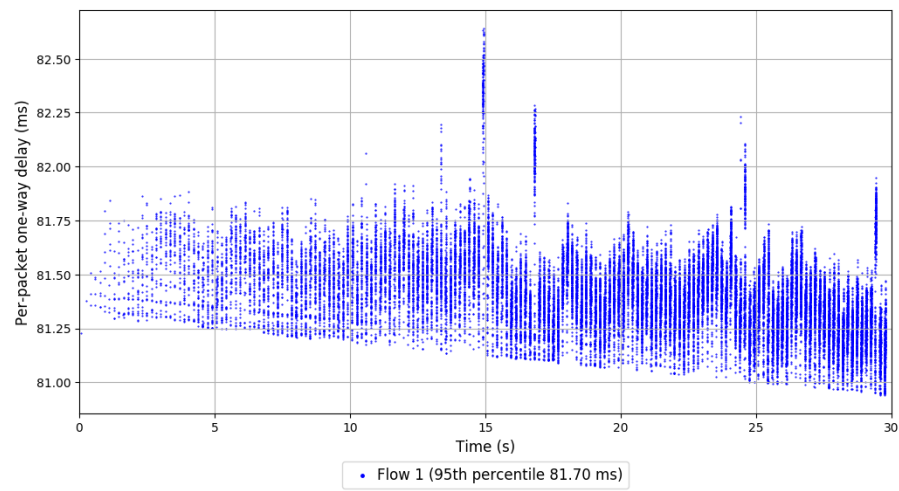
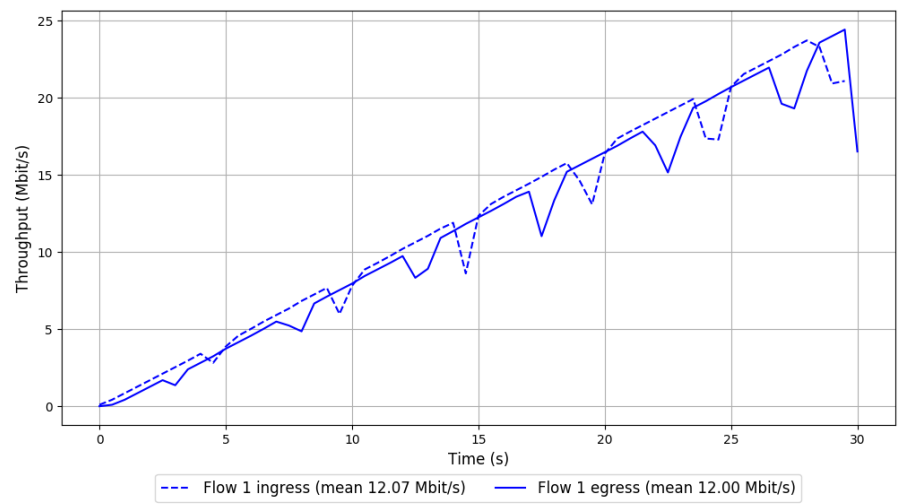


Run 9: Statistics of LEDBAT

Start at: 2018-07-04 05:41:51
End at: 2018-07-04 05:42:21
Local clock offset: -1.491 ms
Remote clock offset: 13.118 ms

Below is generated by plot.py at 2018-07-04 06:19:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 81.699 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 81.699 ms
Loss rate: 1.15%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-04 06:01:44

End at: 2018-07-04 06:02:14

Local clock offset: -1.819 ms

Remote clock offset: 1.753 ms

Below is generated by plot.py at 2018-07-04 06:19:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 83.366 ms

Loss rate: 1.13%

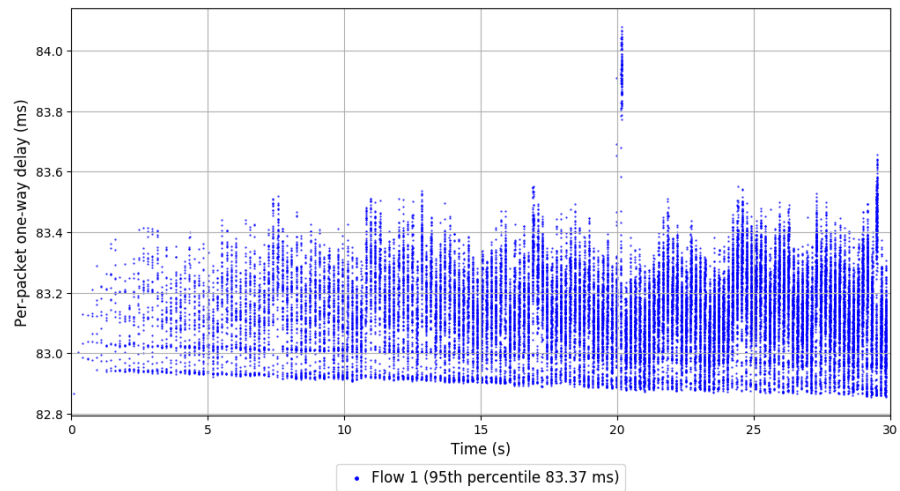
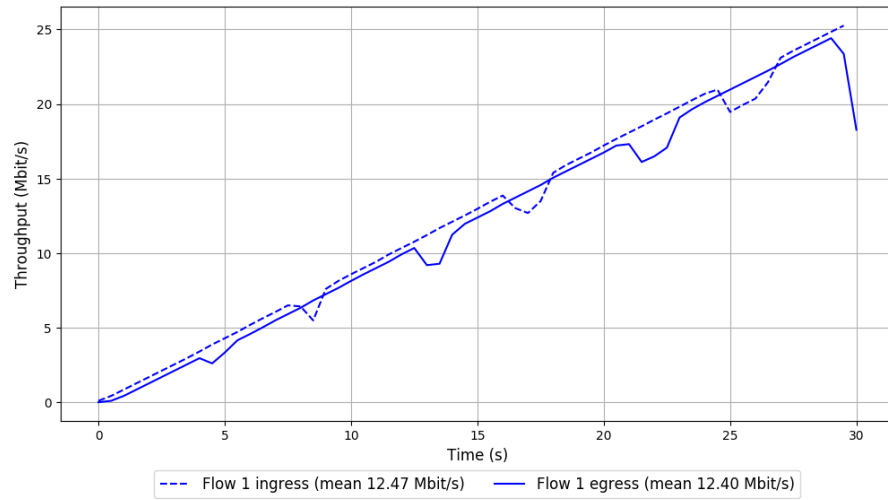
-- Flow 1:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 83.366 ms

Loss rate: 1.13%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-04 02:51:23

End at: 2018-07-04 02:51:53

Local clock offset: -3.396 ms

Remote clock offset: 3.82 ms

Below is generated by plot.py at 2018-07-04 06:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.96 Mbit/s

95th percentile per-packet one-way delay: 84.194 ms

Loss rate: 1.13%

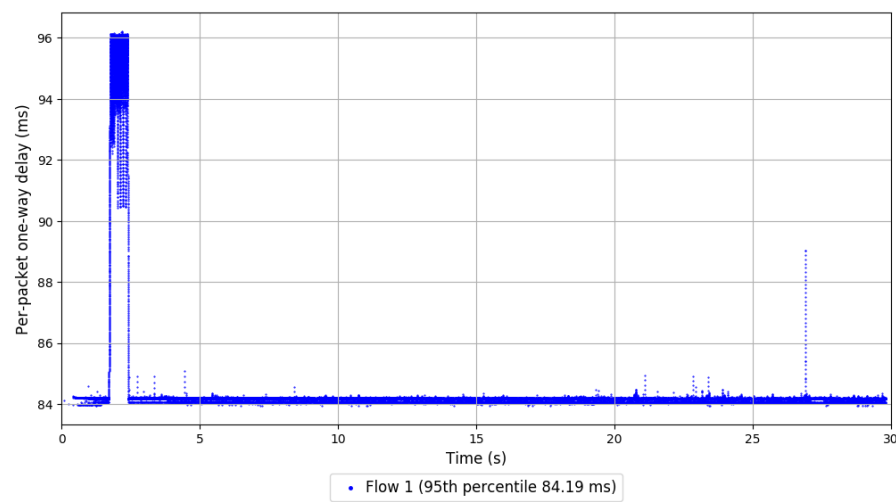
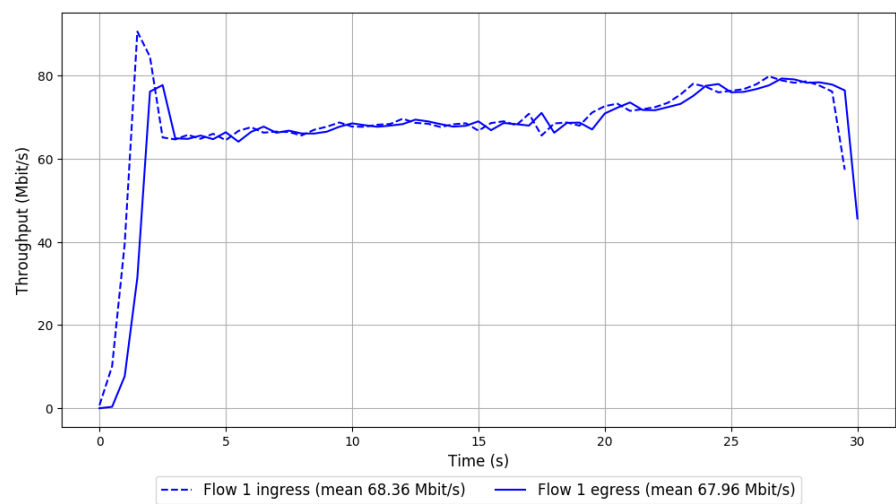
-- Flow 1:

Average throughput: 67.96 Mbit/s

95th percentile per-packet one-way delay: 84.194 ms

Loss rate: 1.13%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-04 03:11:15

End at: 2018-07-04 03:11:45

Local clock offset: -1.541 ms

Remote clock offset: 4.468 ms

Below is generated by plot.py at 2018-07-04 06:20:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.17 Mbit/s

95th percentile per-packet one-way delay: 83.003 ms

Loss rate: 1.44%

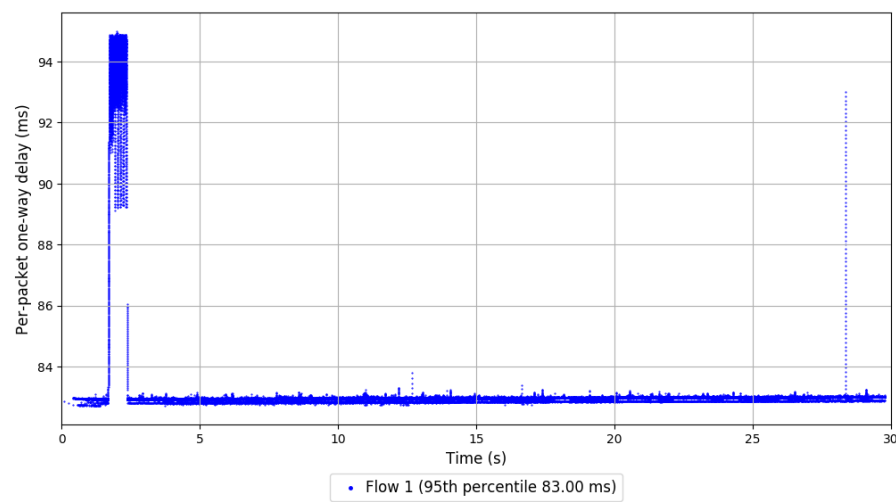
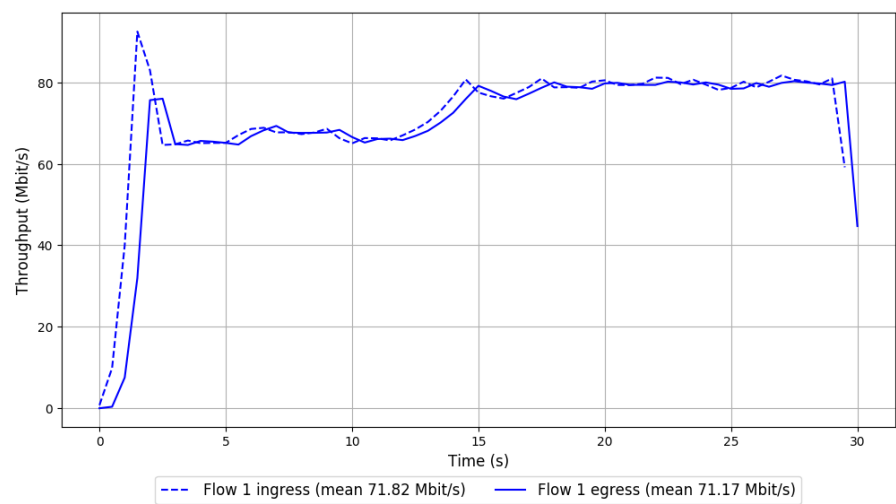
-- Flow 1:

Average throughput: 71.17 Mbit/s

95th percentile per-packet one-way delay: 83.003 ms

Loss rate: 1.44%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

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

End at: 2018-07-04 03:31:33

Local clock offset: -2.454 ms

Remote clock offset: 5.33 ms

Below is generated by plot.py at 2018-07-04 06:20:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.93 Mbit/s

95th percentile per-packet one-way delay: 94.664 ms

Loss rate: 0.64%

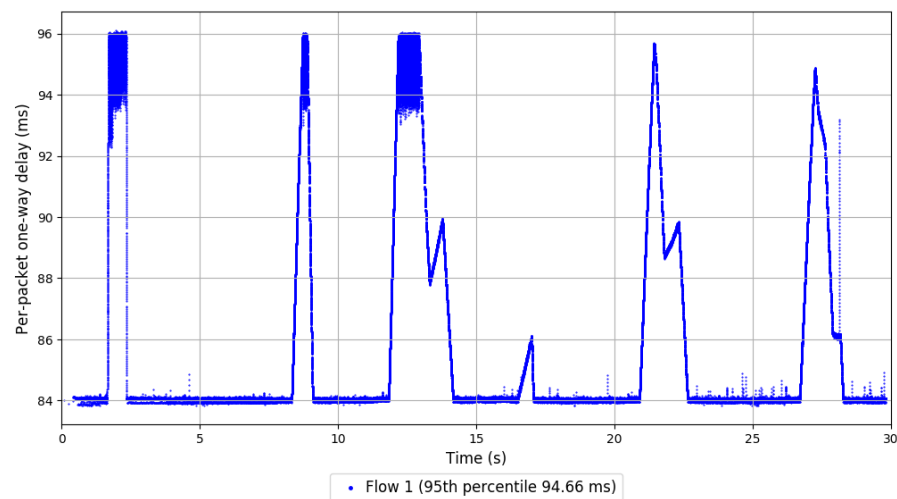
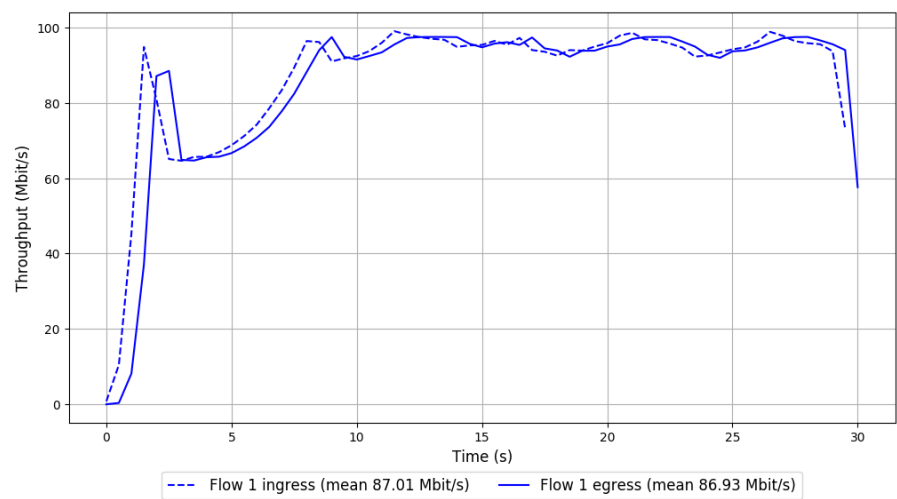
-- Flow 1:

Average throughput: 86.93 Mbit/s

95th percentile per-packet one-way delay: 94.664 ms

Loss rate: 0.64%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-04 03:50:51

End at: 2018-07-04 03:51:21

Local clock offset: -2.593 ms

Remote clock offset: 5.131 ms

Below is generated by plot.py at 2018-07-04 06:20:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.29 Mbit/s

95th percentile per-packet one-way delay: 89.544 ms

Loss rate: 0.63%

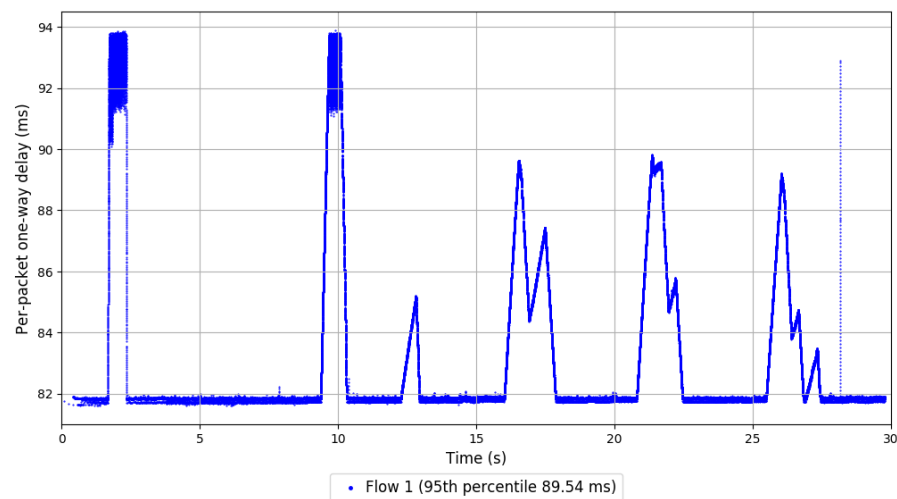
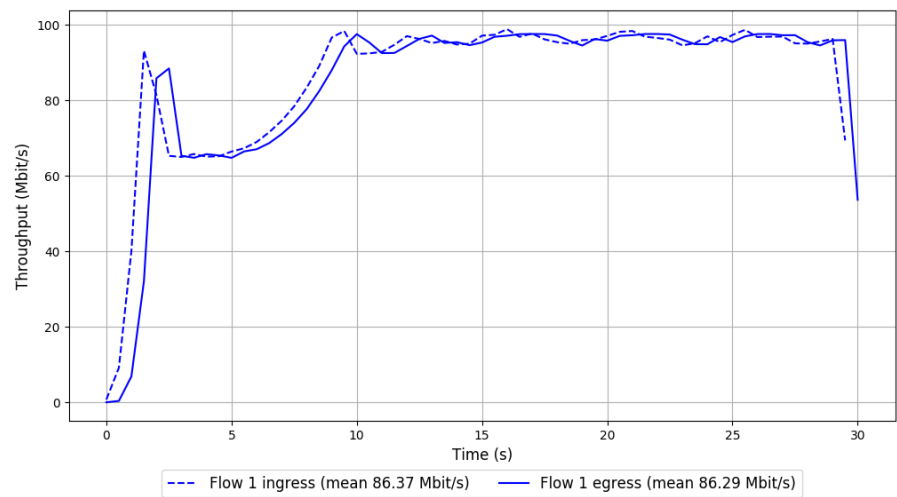
-- Flow 1:

Average throughput: 86.29 Mbit/s

95th percentile per-packet one-way delay: 89.544 ms

Loss rate: 0.63%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-04 04:10:47

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

Local clock offset: -2.835 ms

Remote clock offset: 10.708 ms

Below is generated by plot.py at 2018-07-04 06:20:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 92.271 ms

Loss rate: 0.62%

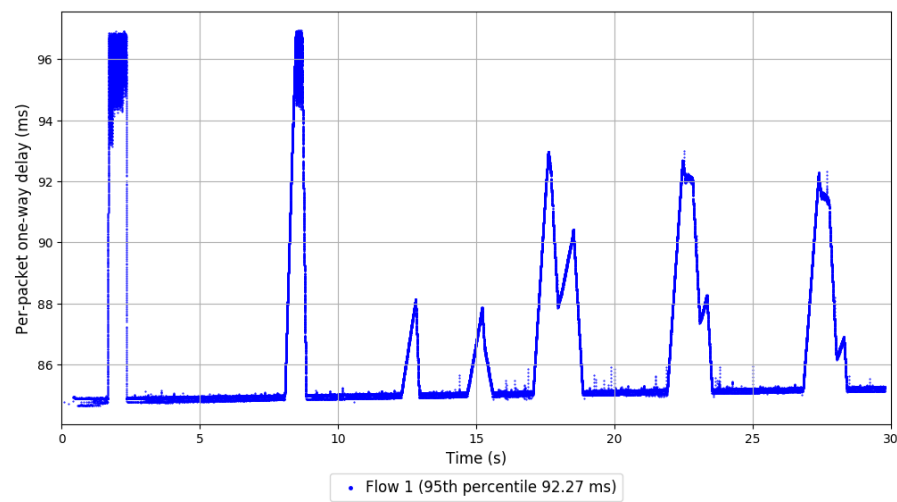
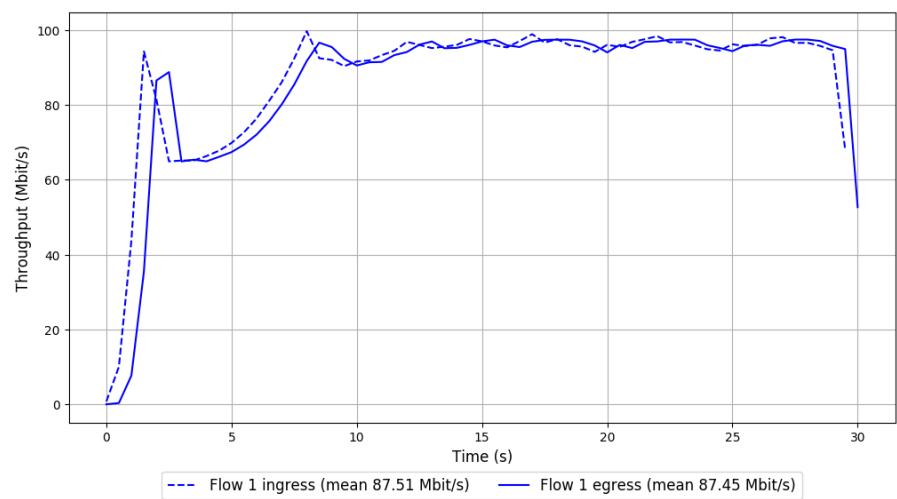
-- Flow 1:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 92.271 ms

Loss rate: 0.62%

Run 5: Report of PCC-Allegro — Data Link

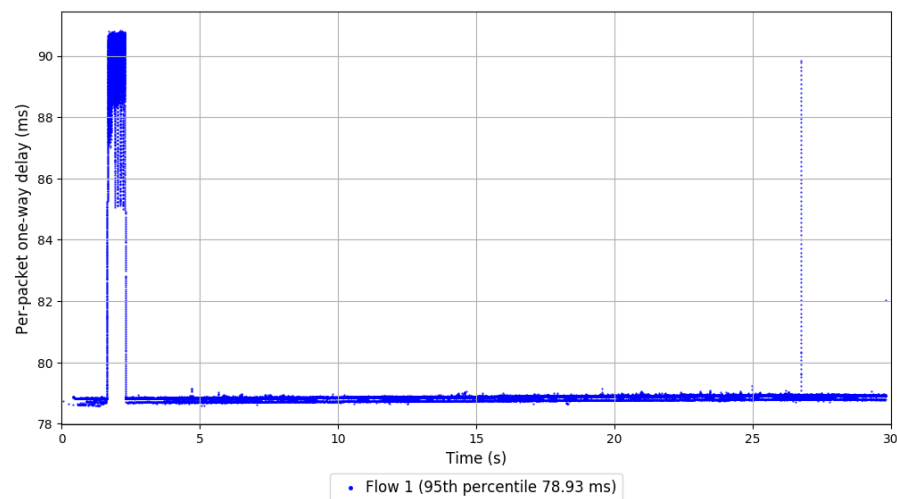
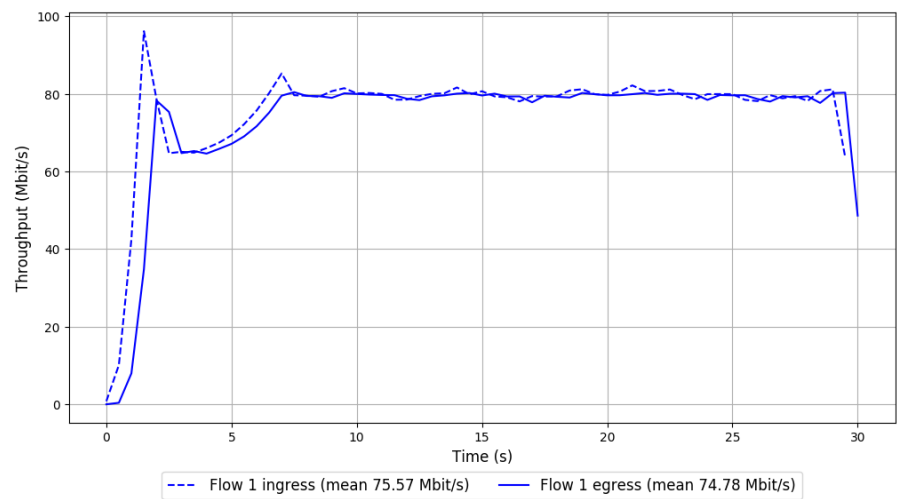


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-04 04:30:40
End at: 2018-07-04 04:31:10
Local clock offset: -7.544 ms
Remote clock offset: 18.366 ms

Below is generated by plot.py at 2018-07-04 06:20:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.78 Mbit/s
95th percentile per-packet one-way delay: 78.928 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 74.78 Mbit/s
95th percentile per-packet one-way delay: 78.928 ms
Loss rate: 1.57%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-04 04:50:31

End at: 2018-07-04 04:51:01

Local clock offset: -3.511 ms

Remote clock offset: 16.72 ms

Below is generated by plot.py at 2018-07-04 06:20:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 87.549 ms

Loss rate: 0.70%

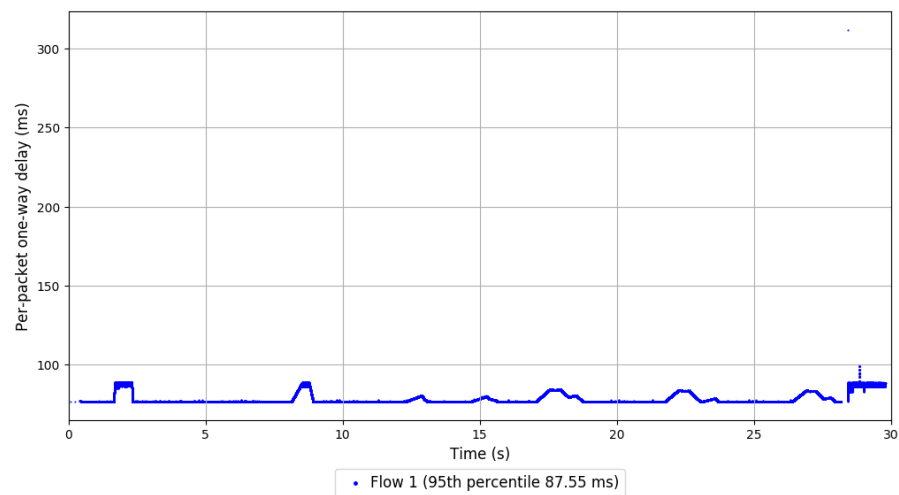
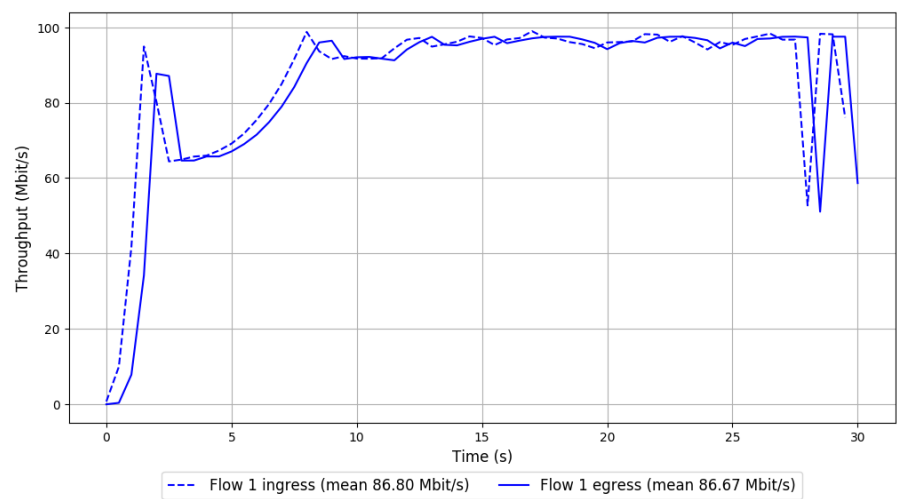
-- Flow 1:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 87.549 ms

Loss rate: 0.70%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-04 05:10:22

End at: 2018-07-04 05:10:52

Local clock offset: -1.038 ms

Remote clock offset: 11.811 ms

Below is generated by plot.py at 2018-07-04 06:20:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.12 Mbit/s

95th percentile per-packet one-way delay: 92.028 ms

Loss rate: 0.63%

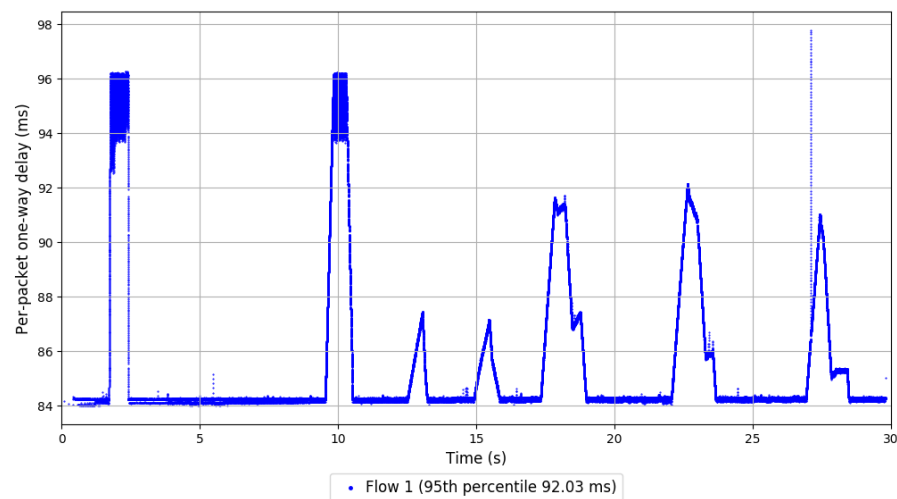
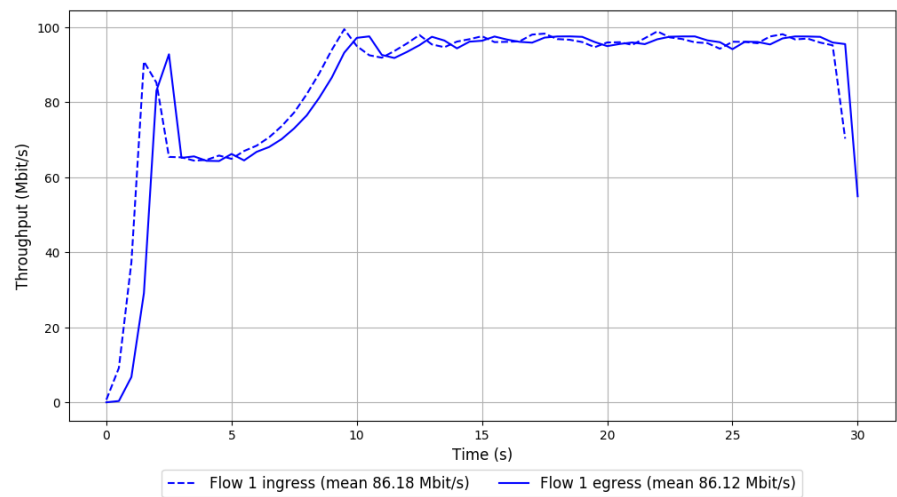
-- Flow 1:

Average throughput: 86.12 Mbit/s

95th percentile per-packet one-way delay: 92.028 ms

Loss rate: 0.63%

Run 8: Report of PCC-Allegro — Data Link

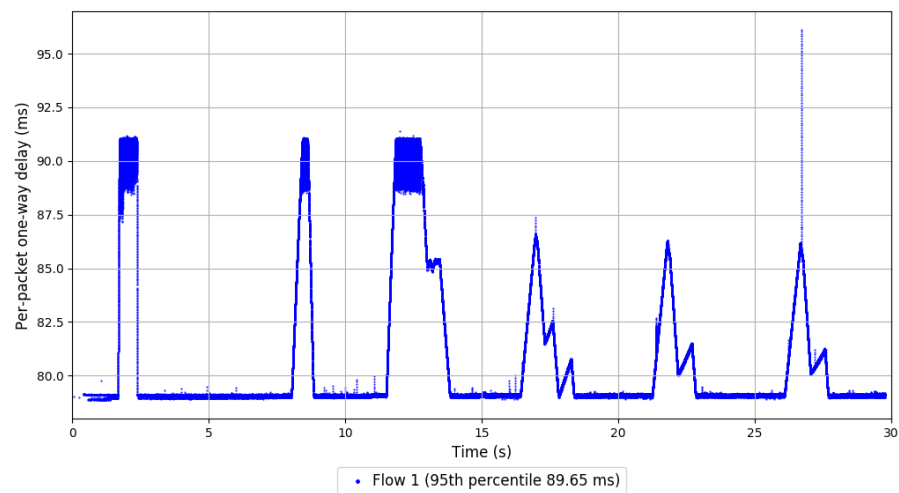
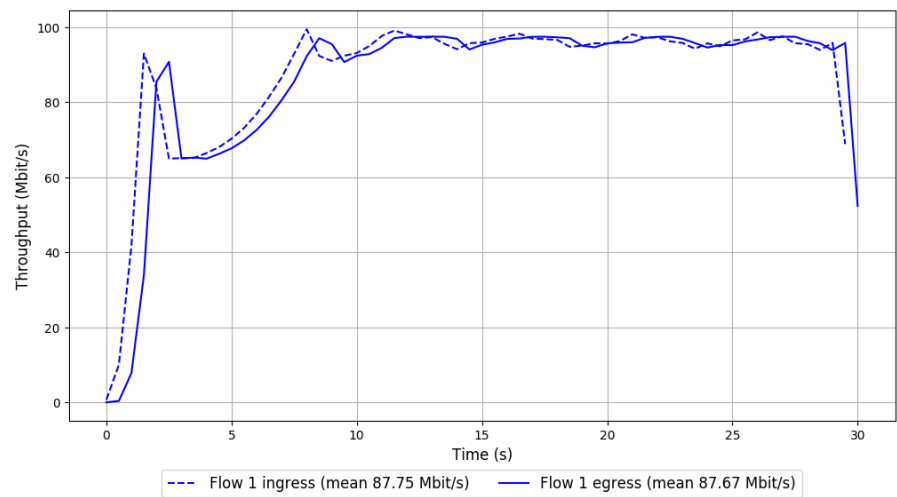


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-04 05:30:11
End at: 2018-07-04 05:30:41
Local clock offset: -1.532 ms
Remote clock offset: 17.275 ms

Below is generated by plot.py at 2018-07-04 06:21:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 89.651 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 89.651 ms
Loss rate: 0.64%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-04 05:50:05

End at: 2018-07-04 05:50:35

Local clock offset: -1.7 ms

Remote clock offset: 8.351 ms

Below is generated by plot.py at 2018-07-04 06:21:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: 87.948 ms

Loss rate: 0.63%

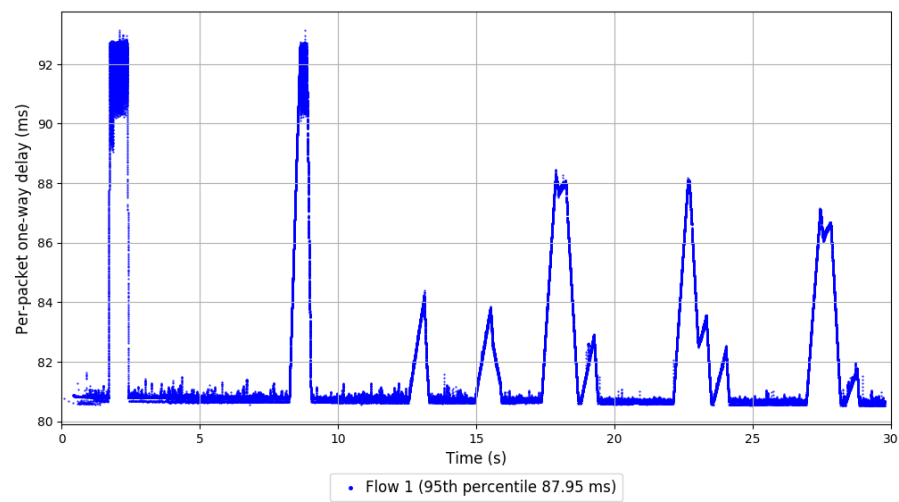
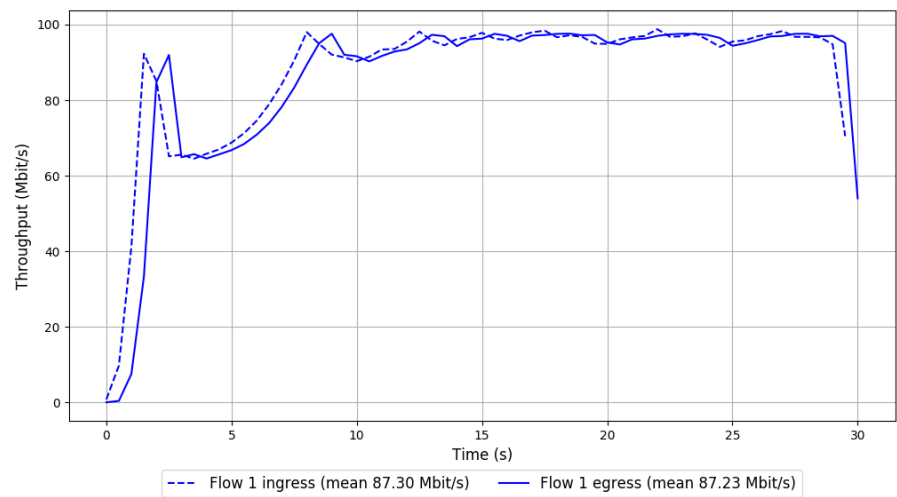
-- Flow 1:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: 87.948 ms

Loss rate: 0.63%

Run 10: Report of PCC-Allegro — Data Link

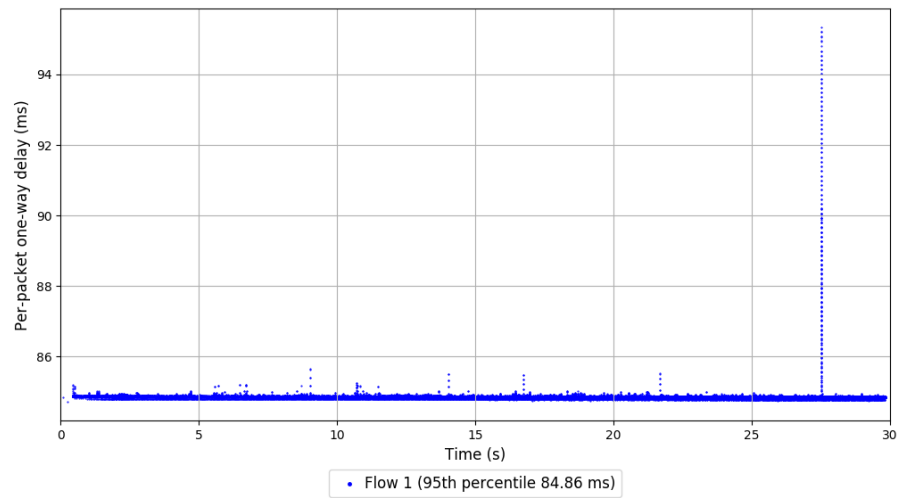
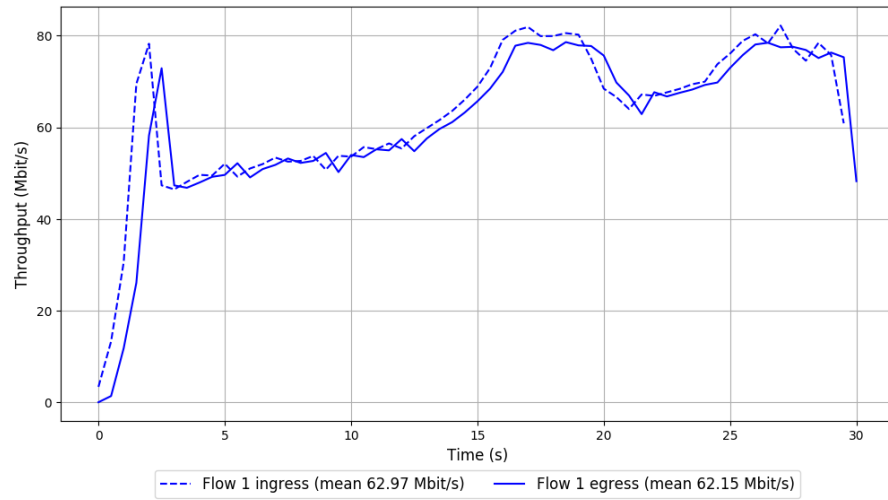


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-04 02:50:11
End at: 2018-07-04 02:50:41
Local clock offset: -3.667 ms
Remote clock offset: 2.671 ms

# Below is generated by plot.py at 2018-07-04 06:21:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 84.856 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 84.856 ms
Loss rate: 1.84%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-04 03:10:00

End at: 2018-07-04 03:10:30

Local clock offset: -1.389 ms

Remote clock offset: 9.494 ms

Below is generated by plot.py at 2018-07-04 06:22:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.71 Mbit/s

95th percentile per-packet one-way delay: 87.175 ms

Loss rate: 0.61%

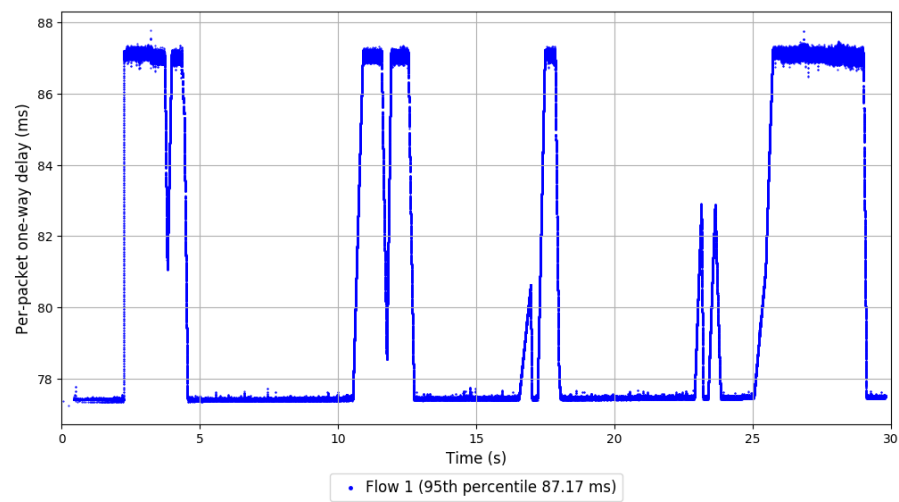
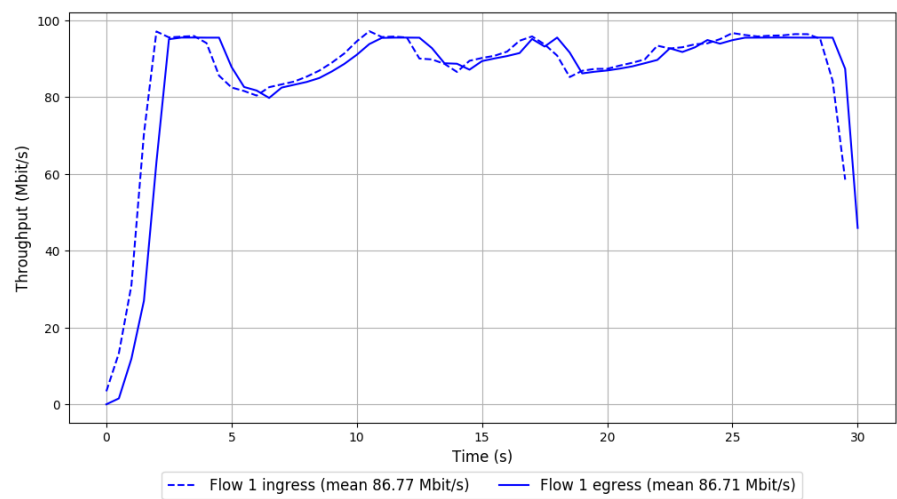
-- Flow 1:

Average throughput: 86.71 Mbit/s

95th percentile per-packet one-way delay: 87.175 ms

Loss rate: 0.61%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-04 03:29:49

End at: 2018-07-04 03:30:19

Local clock offset: -2.499 ms

Remote clock offset: 5.425 ms

Below is generated by plot.py at 2018-07-04 06:22:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 92.786 ms

Loss rate: 0.86%

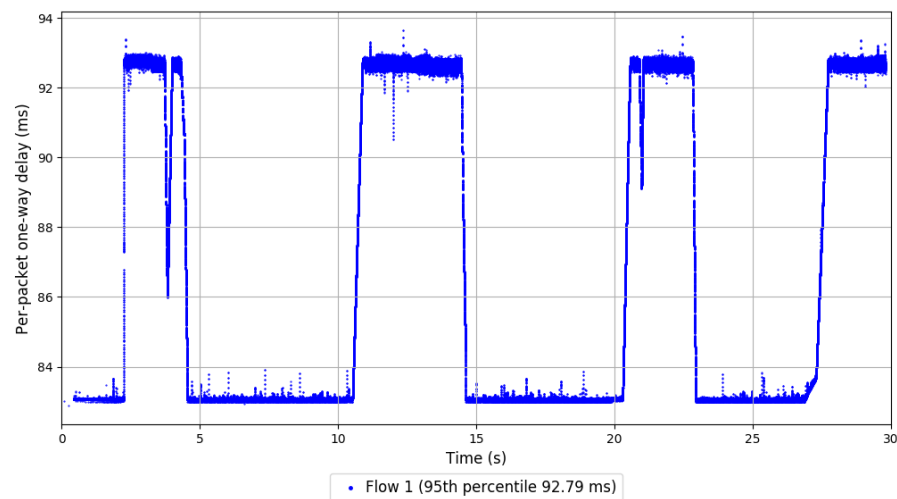
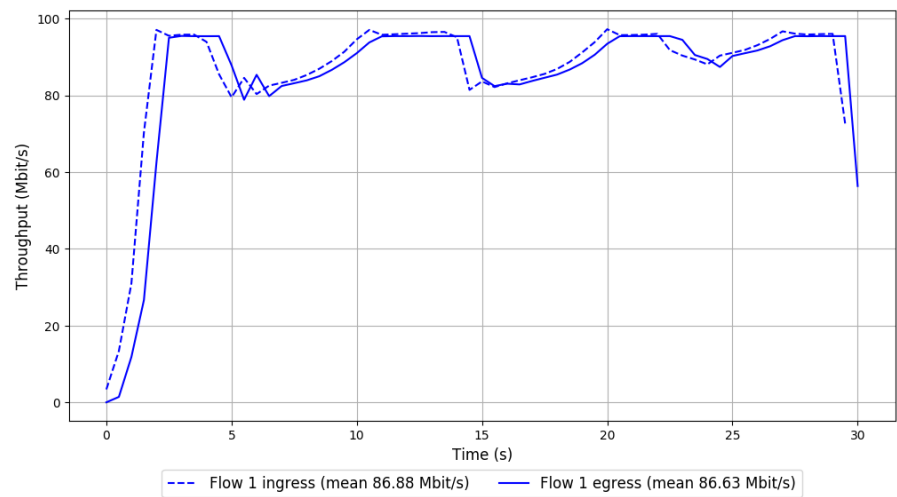
-- Flow 1:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 92.786 ms

Loss rate: 0.86%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-04 03:49:38

End at: 2018-07-04 03:50:08

Local clock offset: -2.563 ms

Remote clock offset: 9.115 ms

Below is generated by plot.py at 2018-07-04 06:22:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.81 Mbit/s

95th percentile per-packet one-way delay: 87.908 ms

Loss rate: 0.72%

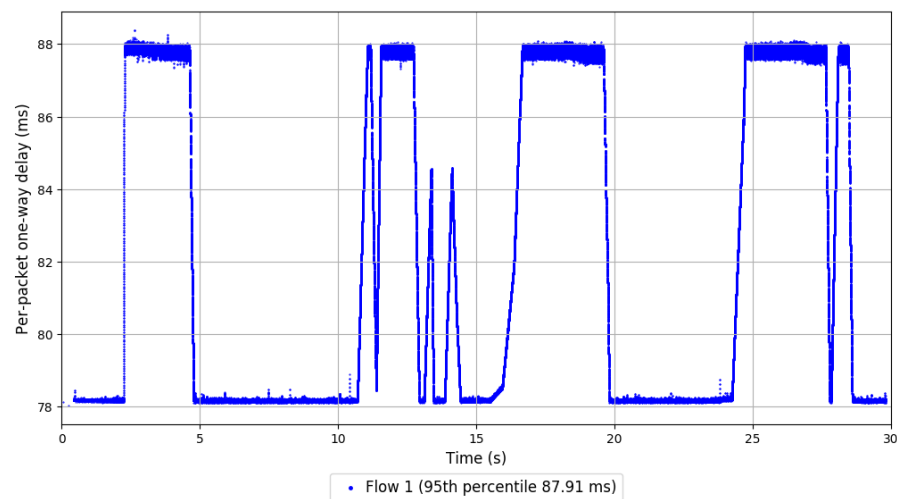
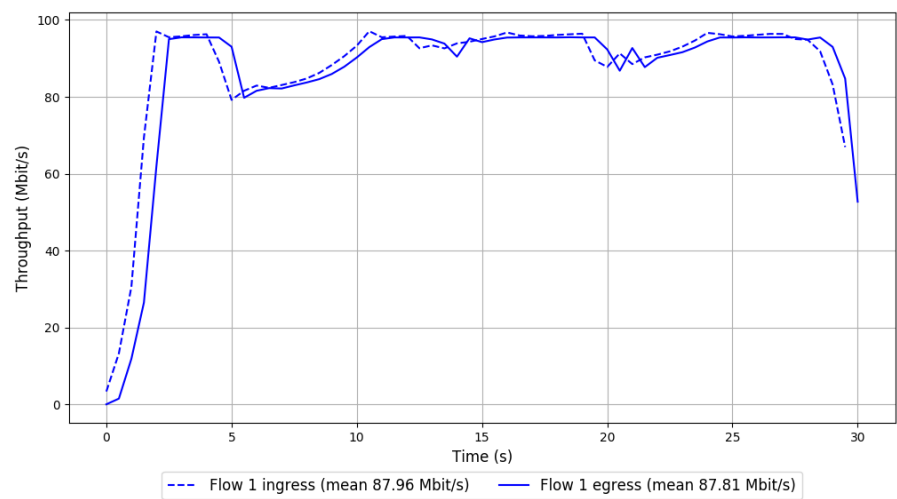
-- Flow 1:

Average throughput: 87.81 Mbit/s

95th percentile per-packet one-way delay: 87.908 ms

Loss rate: 0.72%

Run 4: Report of PCC-Expr — Data Link

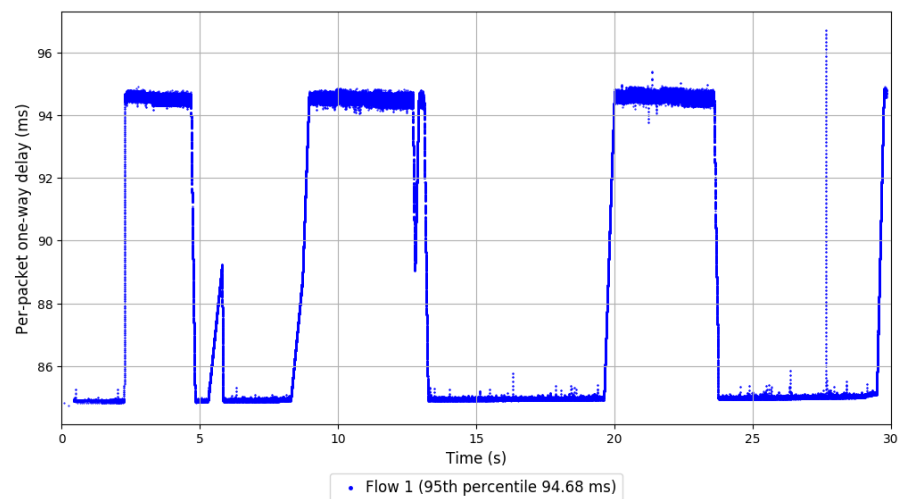
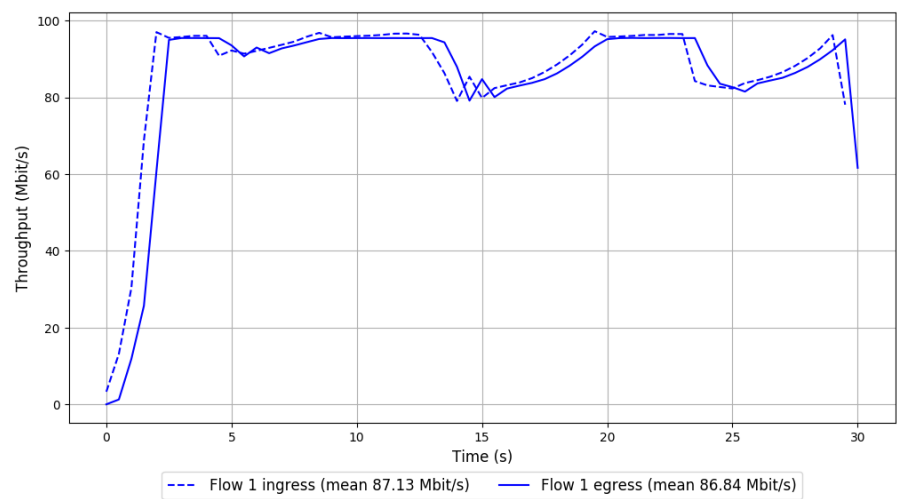


Run 5: Statistics of PCC-Expr

Start at: 2018-07-04 04:09:28
End at: 2018-07-04 04:09:58
Local clock offset: -2.568 ms
Remote clock offset: 10.277 ms

Below is generated by plot.py at 2018-07-04 06:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.84 Mbit/s
95th percentile per-packet one-way delay: 94.682 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 86.84 Mbit/s
95th percentile per-packet one-way delay: 94.682 ms
Loss rate: 0.89%

Run 5: Report of PCC-Expr — Data Link

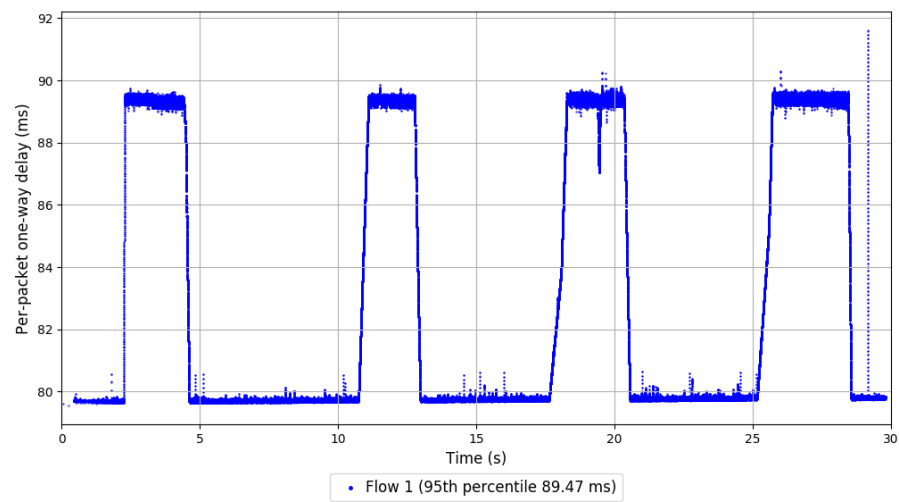
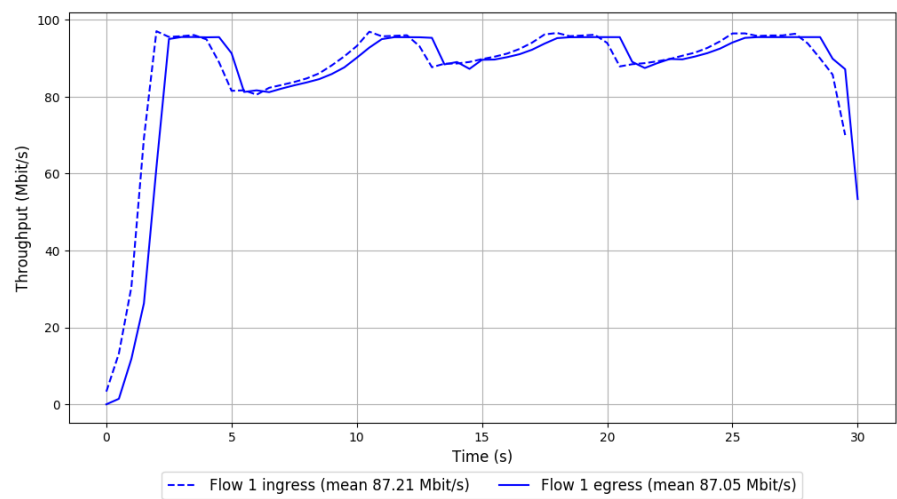


Run 6: Statistics of PCC-Expr

Start at: 2018-07-04 04:29:25
End at: 2018-07-04 04:29:55
Local clock offset: -7.407 ms
Remote clock offset: 19.276 ms

Below is generated by plot.py at 2018-07-04 06:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 89.471 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 89.471 ms
Loss rate: 0.72%

Run 6: Report of PCC-Expr — Data Link

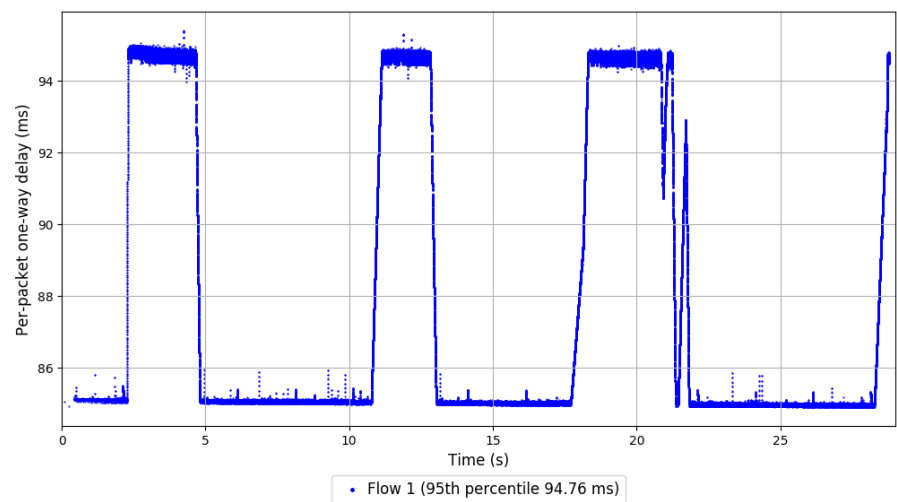
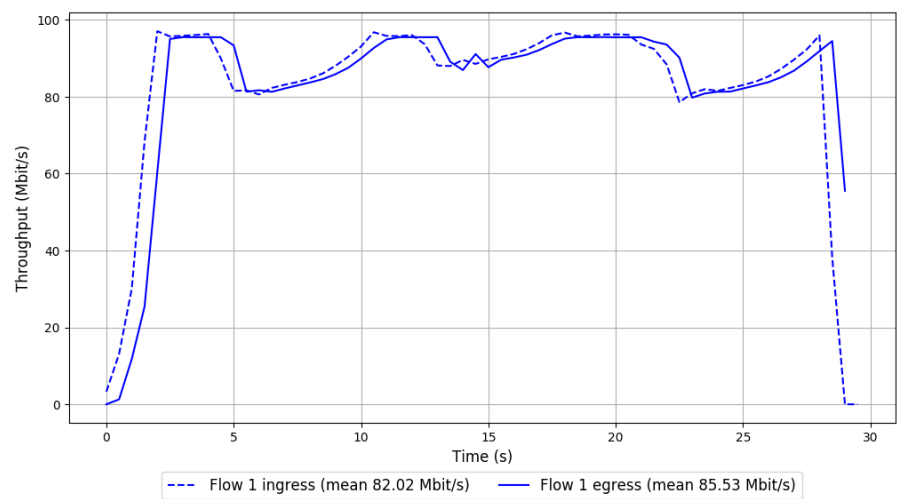


Run 7: Statistics of PCC-Expr

Start at: 2018-07-04 04:49:17
End at: 2018-07-04 04:49:47
Local clock offset: -3.875 ms
Remote clock offset: 10.596 ms

Below is generated by plot.py at 2018-07-04 06:23:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 94.760 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 94.760 ms
Loss rate: 0.14%

Run 7: Report of PCC-Expr — Data Link

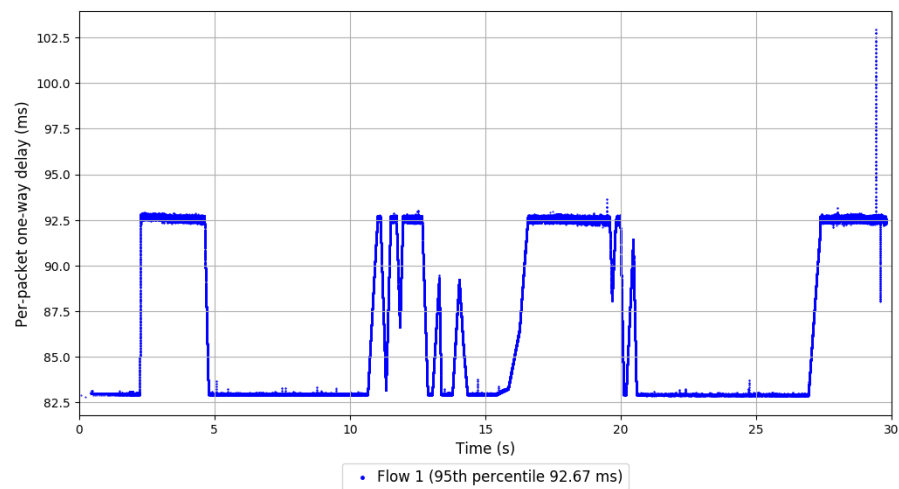
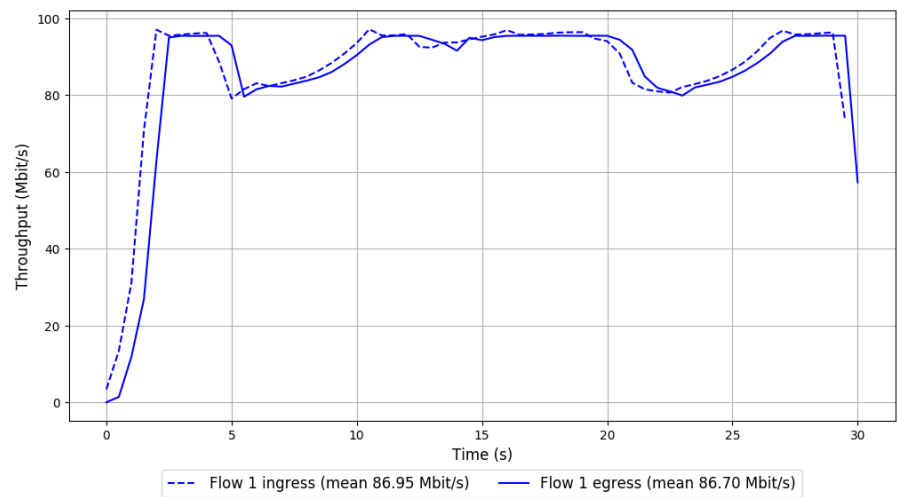


Run 8: Statistics of PCC-Expr

Start at: 2018-07-04 05:09:08
End at: 2018-07-04 05:09:38
Local clock offset: -1.026 ms
Remote clock offset: 10.843 ms

Below is generated by plot.py at 2018-07-04 06:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 92.674 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 92.674 ms
Loss rate: 0.83%

Run 8: Report of PCC-Expr — Data Link

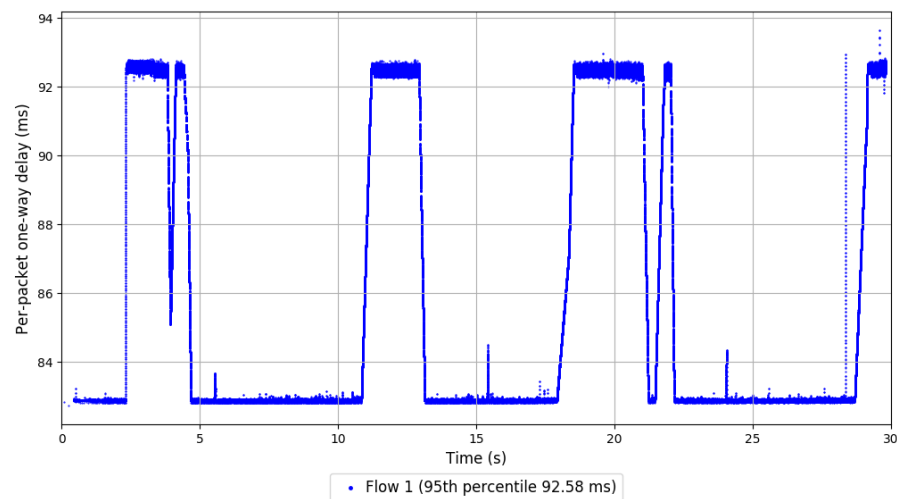
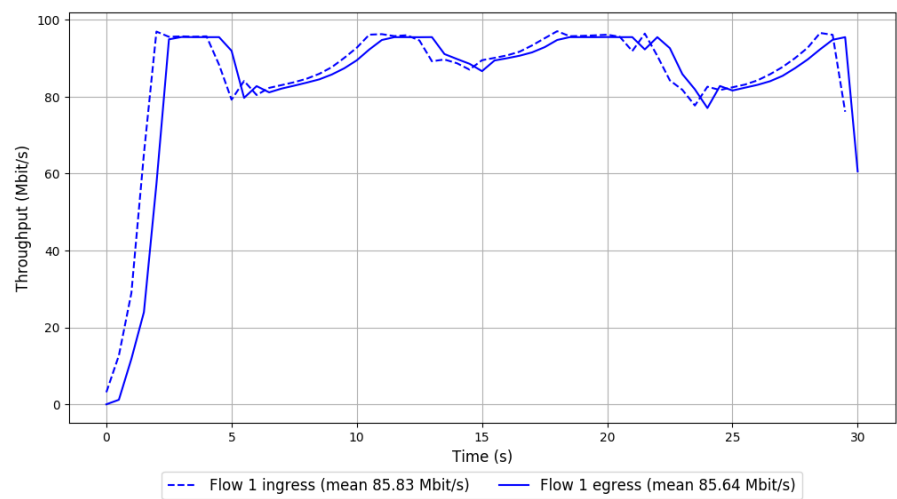


Run 9: Statistics of PCC-Expr

Start at: 2018-07-04 05:28:58
End at: 2018-07-04 05:29:28
Local clock offset: -1.477 ms
Remote clock offset: 11.075 ms

Below is generated by plot.py at 2018-07-04 06:24:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 92.584 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 92.584 ms
Loss rate: 0.77%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-04 05:48:51

End at: 2018-07-04 05:49:21

Local clock offset: -1.697 ms

Remote clock offset: 8.94 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 90.329 ms

Loss rate: 1.73%

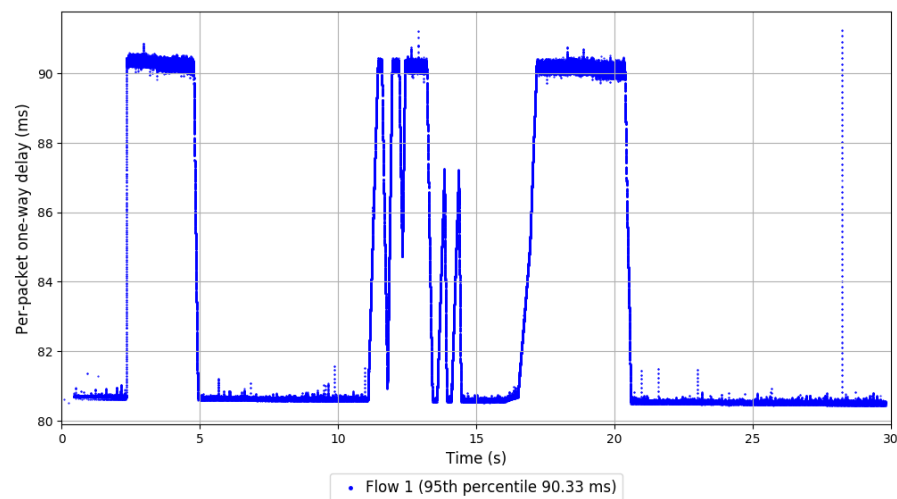
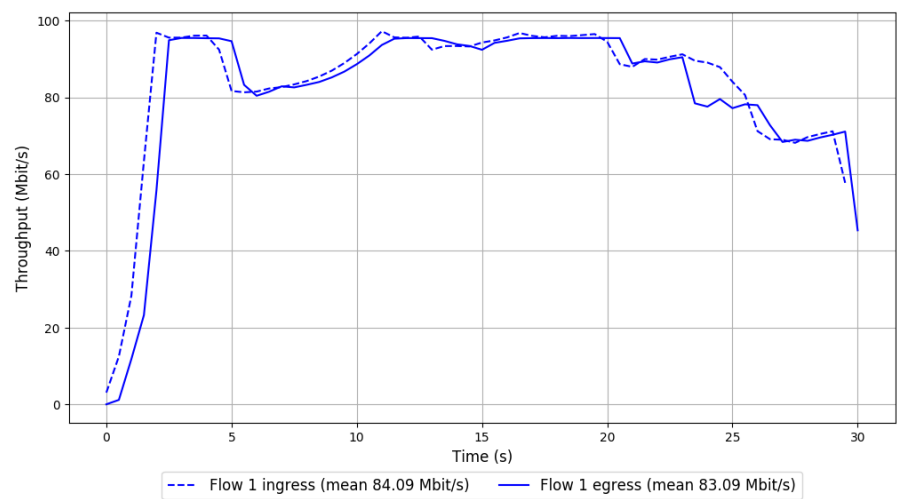
-- Flow 1:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 90.329 ms

Loss rate: 1.73%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-04 03:04:10

End at: 2018-07-04 03:04:40

Local clock offset: -1.768 ms

Remote clock offset: 5.162 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.63 Mbit/s

95th percentile per-packet one-way delay: 82.852 ms

Loss rate: 1.41%

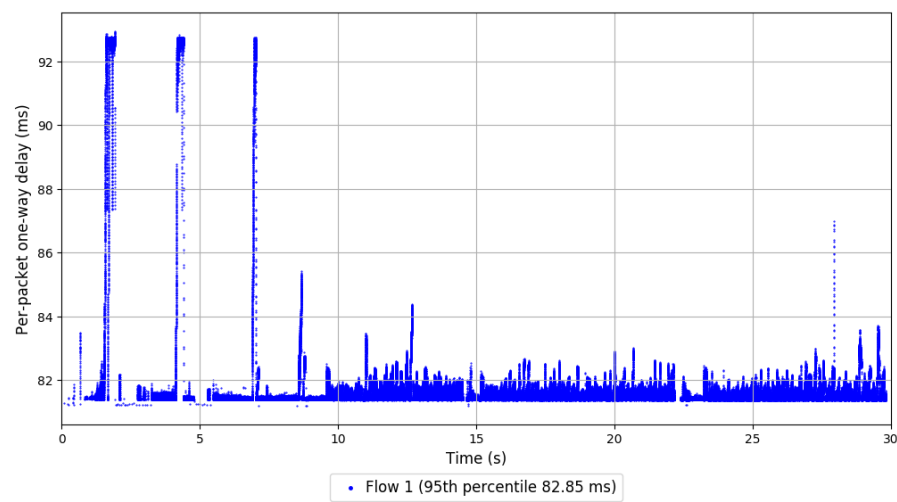
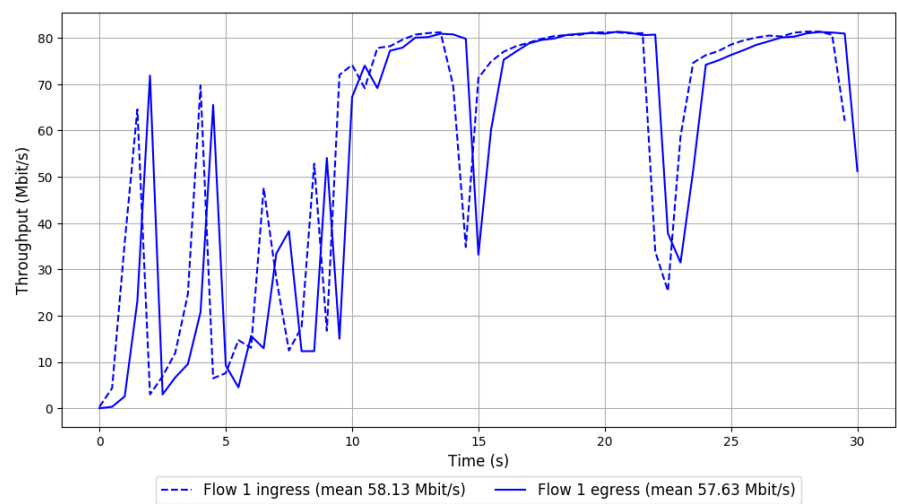
-- Flow 1:

Average throughput: 57.63 Mbit/s

95th percentile per-packet one-way delay: 82.852 ms

Loss rate: 1.41%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-04 03:23:57

End at: 2018-07-04 03:24:27

Local clock offset: -2.348 ms

Remote clock offset: 10.777 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.98 Mbit/s

95th percentile per-packet one-way delay: 84.255 ms

Loss rate: 0.83%

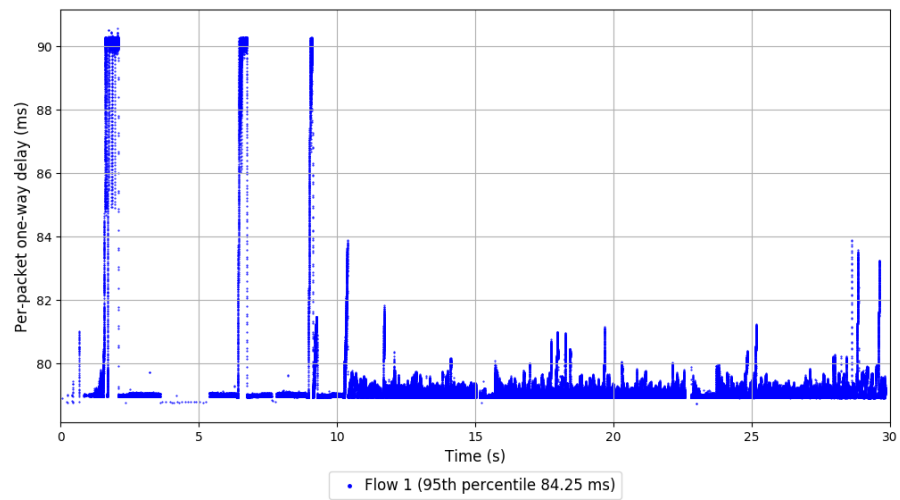
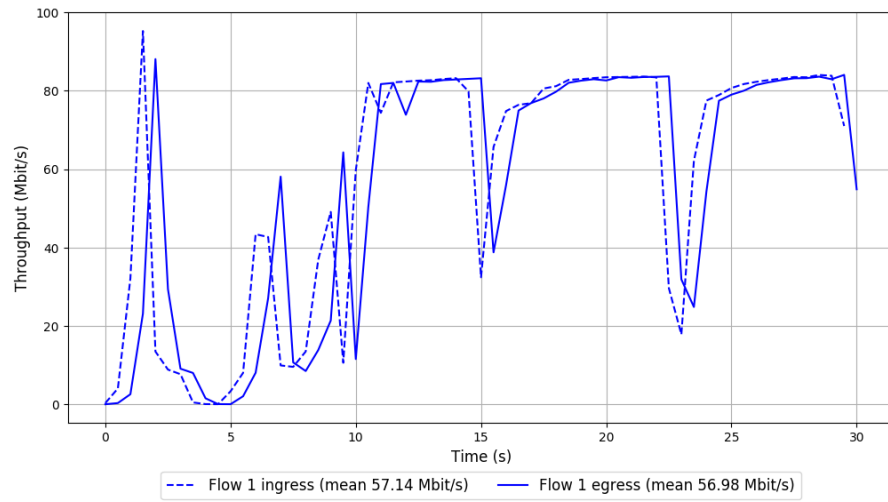
-- Flow 1:

Average throughput: 56.98 Mbit/s

95th percentile per-packet one-way delay: 84.255 ms

Loss rate: 0.83%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-04 03:43:47

End at: 2018-07-04 03:44:17

Local clock offset: -2.586 ms

Remote clock offset: 5.192 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.91 Mbit/s

95th percentile per-packet one-way delay: 91.554 ms

Loss rate: 0.83%

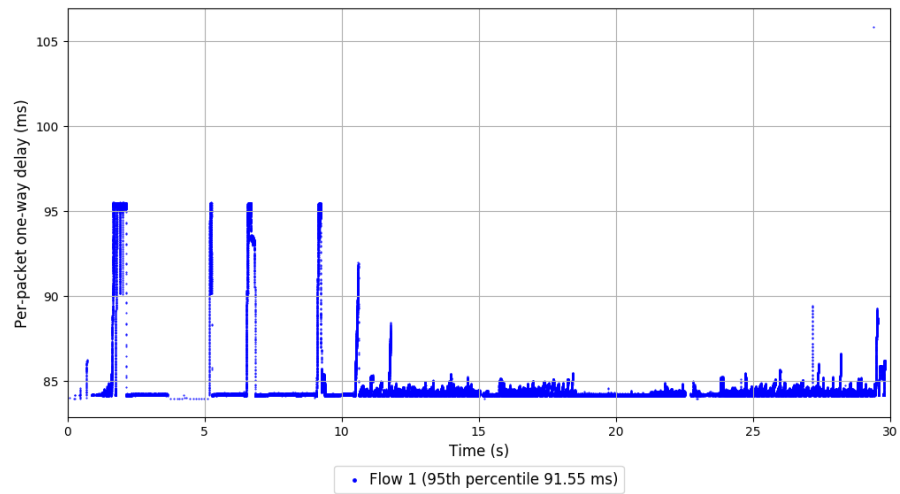
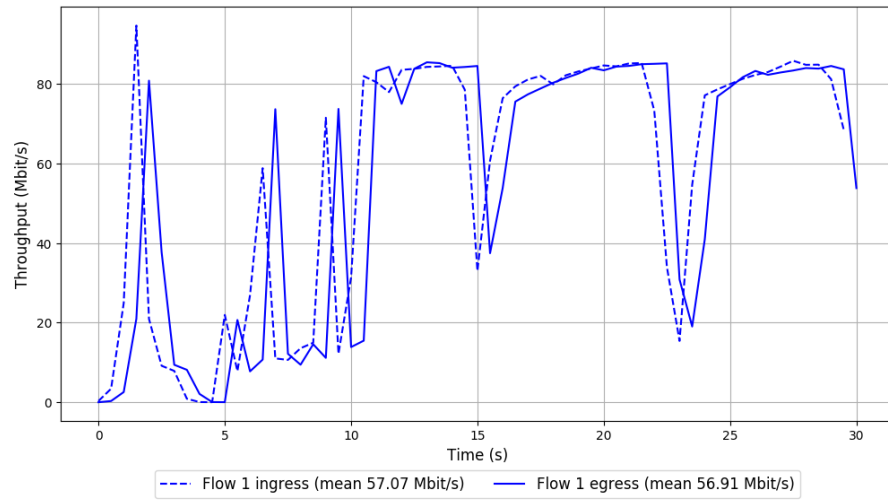
-- Flow 1:

Average throughput: 56.91 Mbit/s

95th percentile per-packet one-way delay: 91.554 ms

Loss rate: 0.83%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-04 04:03:37

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

Local clock offset: -2.587 ms

Remote clock offset: 11.985 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.10 Mbit/s

95th percentile per-packet one-way delay: 80.471 ms

Loss rate: 1.63%

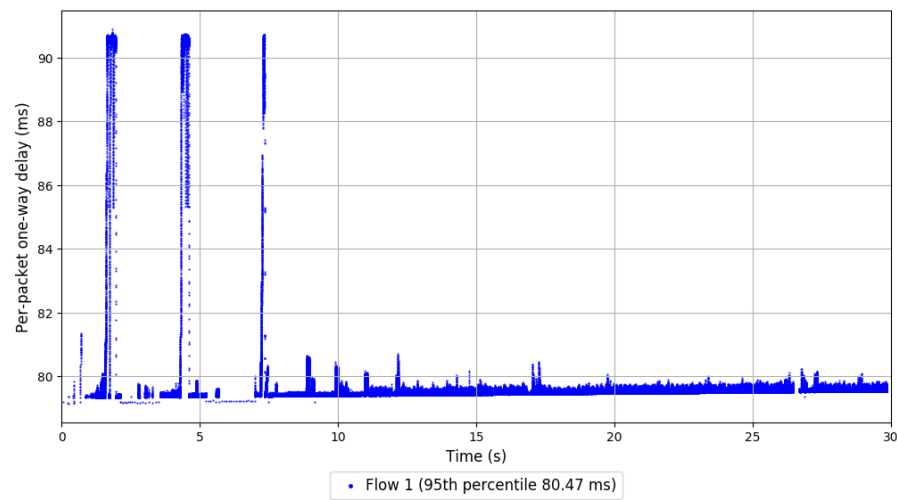
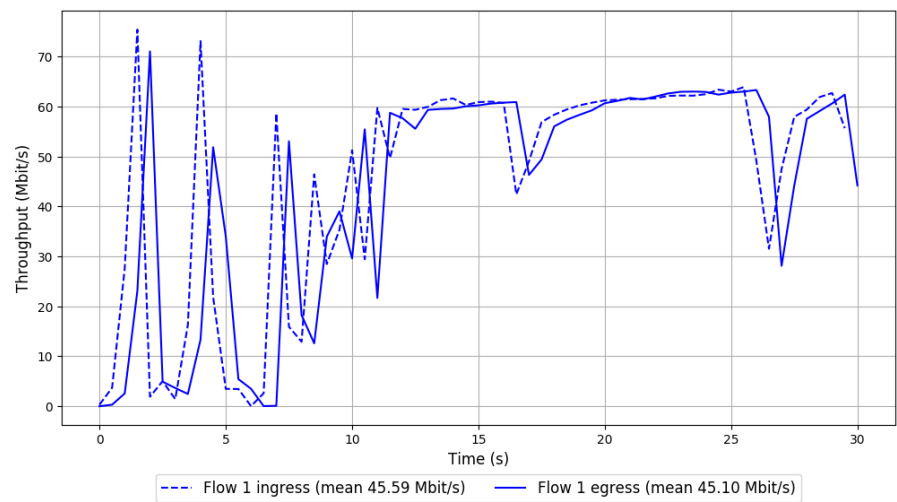
-- Flow 1:

Average throughput: 45.10 Mbit/s

95th percentile per-packet one-way delay: 80.471 ms

Loss rate: 1.63%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-04 04:23:33

End at: 2018-07-04 04:24:03

Local clock offset: -6.695 ms

Remote clock offset: 19.488 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 77.373 ms

Loss rate: 0.90%

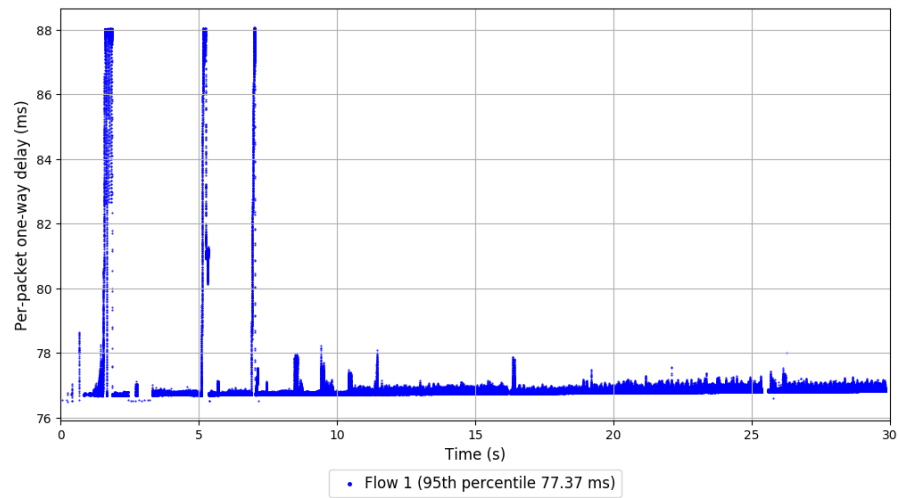
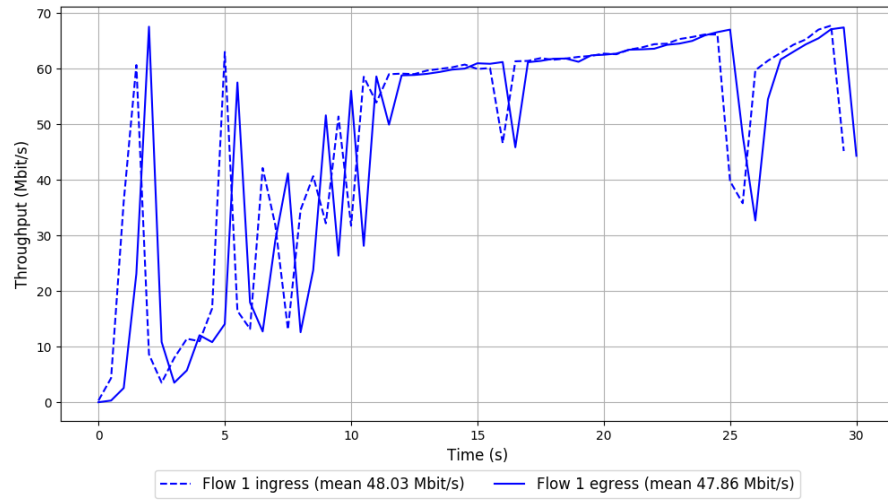
-- Flow 1:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 77.373 ms

Loss rate: 0.90%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-04 04:43:25

End at: 2018-07-04 04:43:55

Local clock offset: -6.299 ms

Remote clock offset: 11.023 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.82 Mbit/s

95th percentile per-packet one-way delay: 89.955 ms

Loss rate: 0.82%

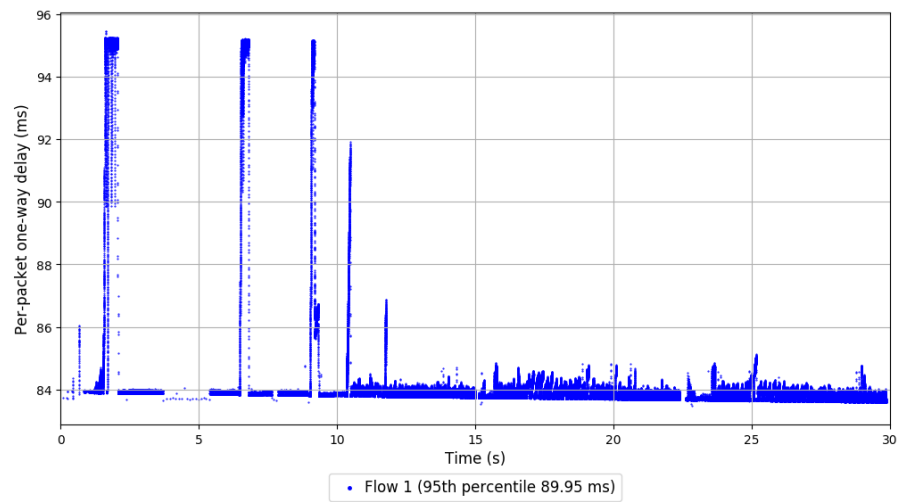
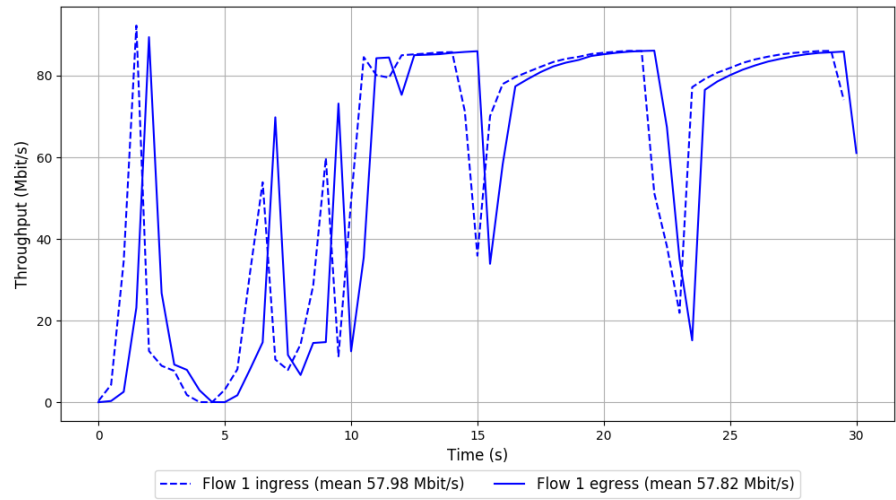
-- Flow 1:

Average throughput: 57.82 Mbit/s

95th percentile per-packet one-way delay: 89.955 ms

Loss rate: 0.82%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-04 05:03:16

End at: 2018-07-04 05:03:46

Local clock offset: -1.48 ms

Remote clock offset: 11.907 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.92 Mbit/s

95th percentile per-packet one-way delay: 91.077 ms

Loss rate: 0.83%

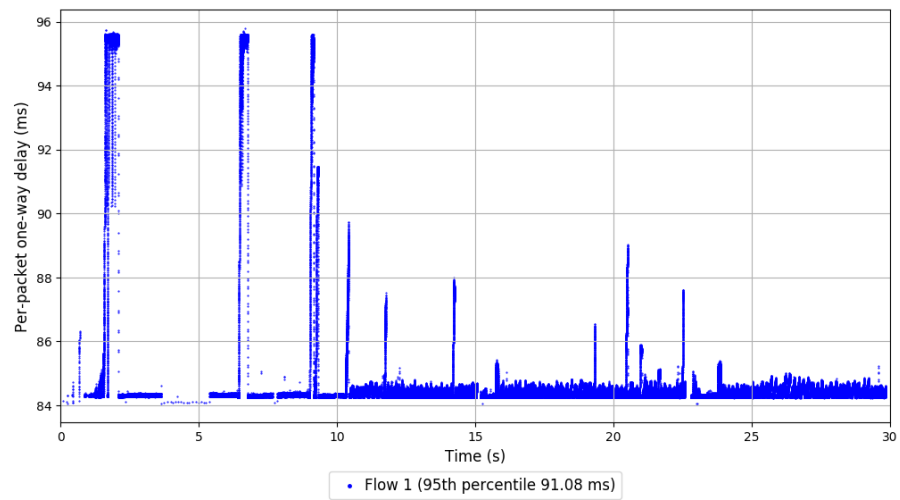
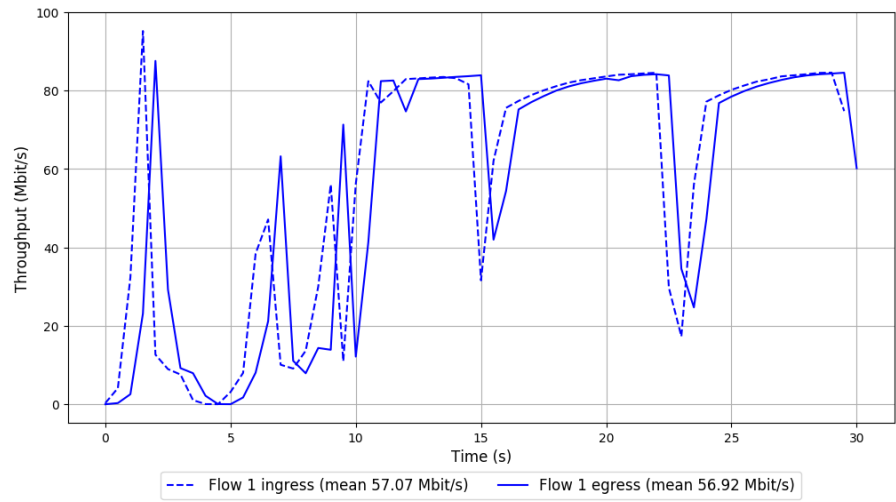
-- Flow 1:

Average throughput: 56.92 Mbit/s

95th percentile per-packet one-way delay: 91.077 ms

Loss rate: 0.83%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-04 05:23:06

End at: 2018-07-04 05:23:36

Local clock offset: -1.469 ms

Remote clock offset: 11.938 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.61 Mbit/s

95th percentile per-packet one-way delay: 92.645 ms

Loss rate: 0.87%

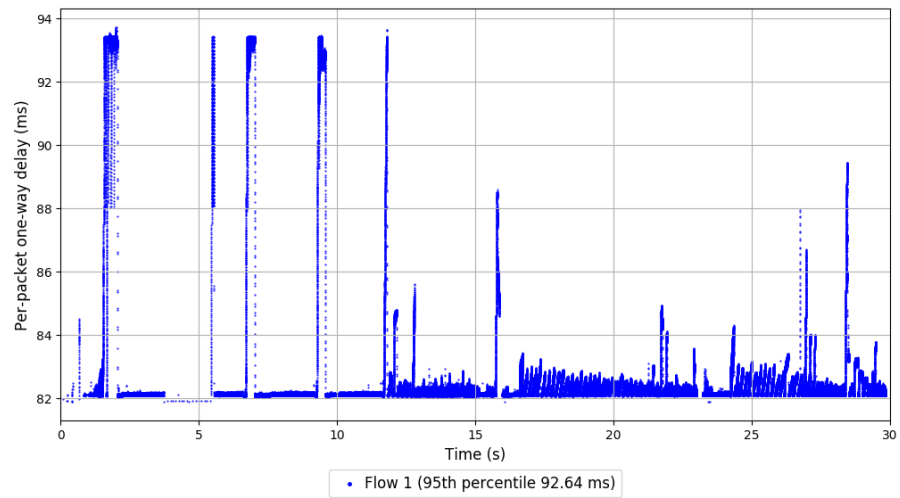
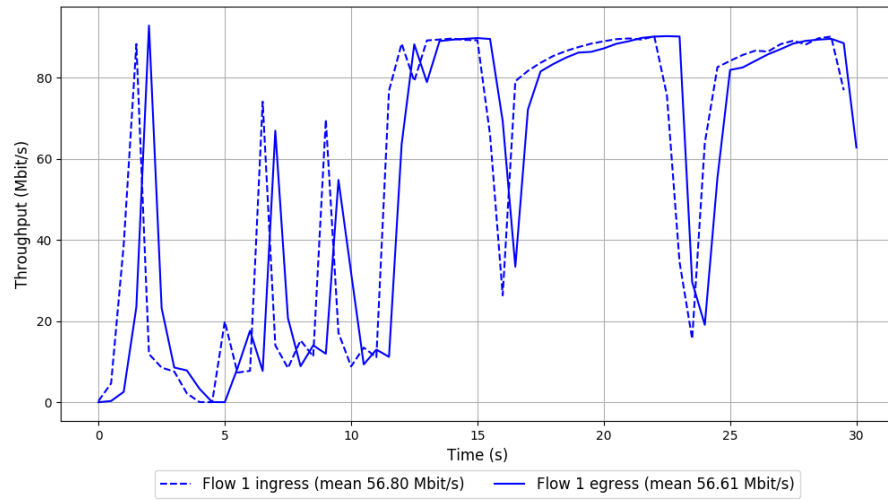
-- Flow 1:

Average throughput: 56.61 Mbit/s

95th percentile per-packet one-way delay: 92.645 ms

Loss rate: 0.87%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-04 05:42:58

End at: 2018-07-04 05:43:28

Local clock offset: -1.548 ms

Remote clock offset: 8.239 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.85 Mbit/s

95th percentile per-packet one-way delay: 91.714 ms

Loss rate: 1.68%

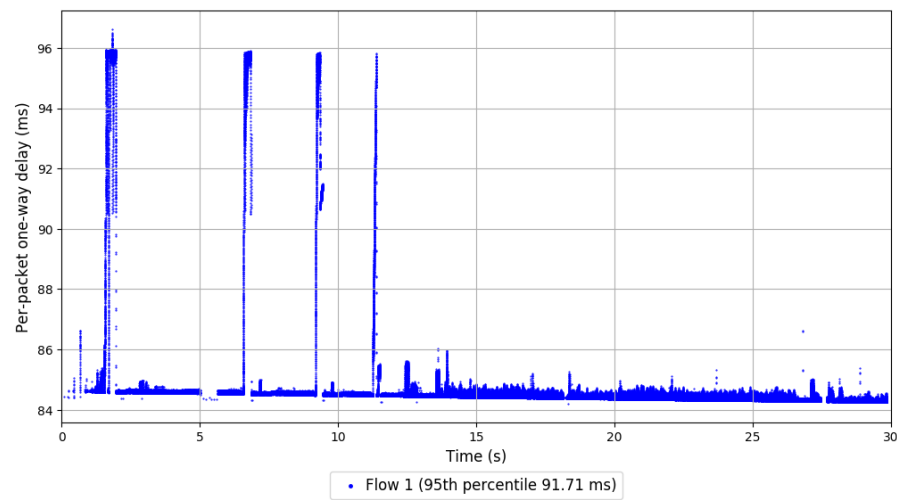
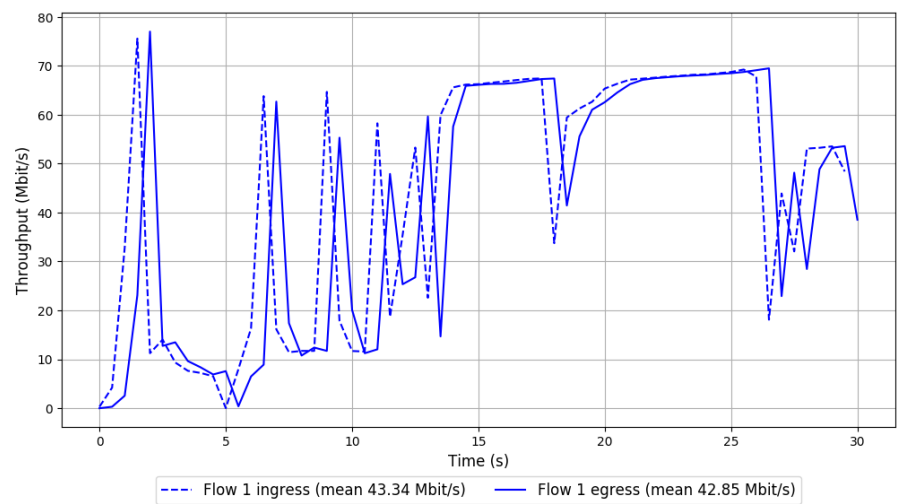
-- Flow 1:

Average throughput: 42.85 Mbit/s

95th percentile per-packet one-way delay: 91.714 ms

Loss rate: 1.68%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-04 06:02:52

End at: 2018-07-04 06:03:22

Local clock offset: -1.824 ms

Remote clock offset: 2.613 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.24 Mbit/s

95th percentile per-packet one-way delay: 89.095 ms

Loss rate: 0.82%

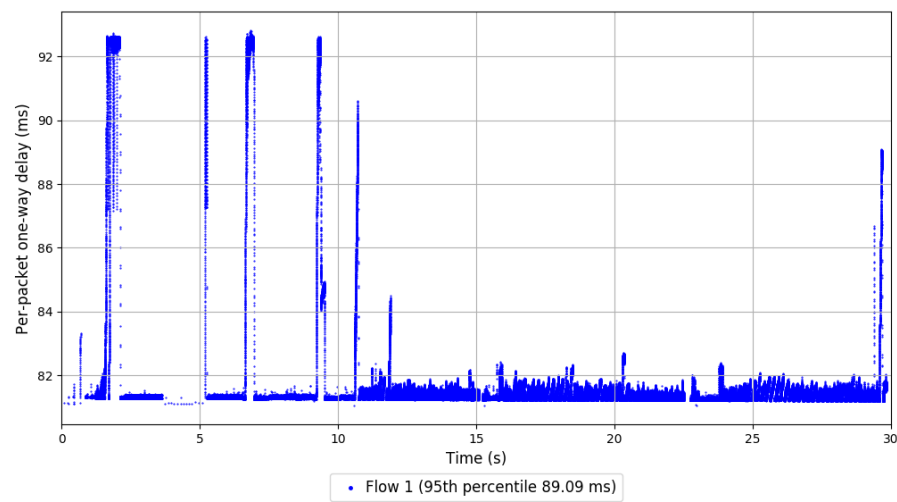
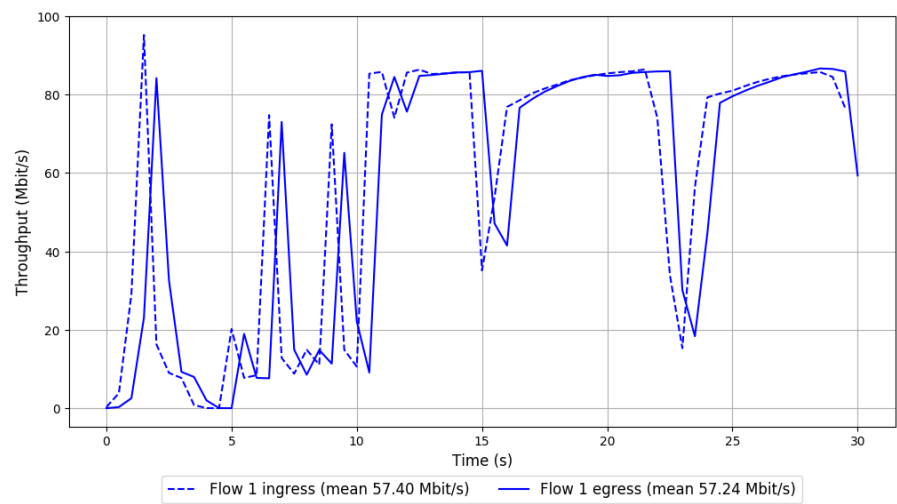
-- Flow 1:

Average throughput: 57.24 Mbit/s

95th percentile per-packet one-way delay: 89.095 ms

Loss rate: 0.82%

Run 10: Report of QUIC Cubic — Data Link

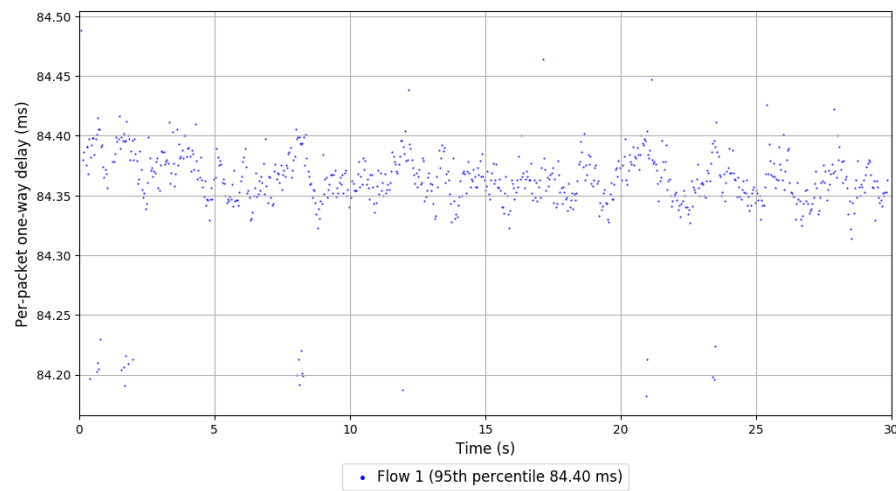
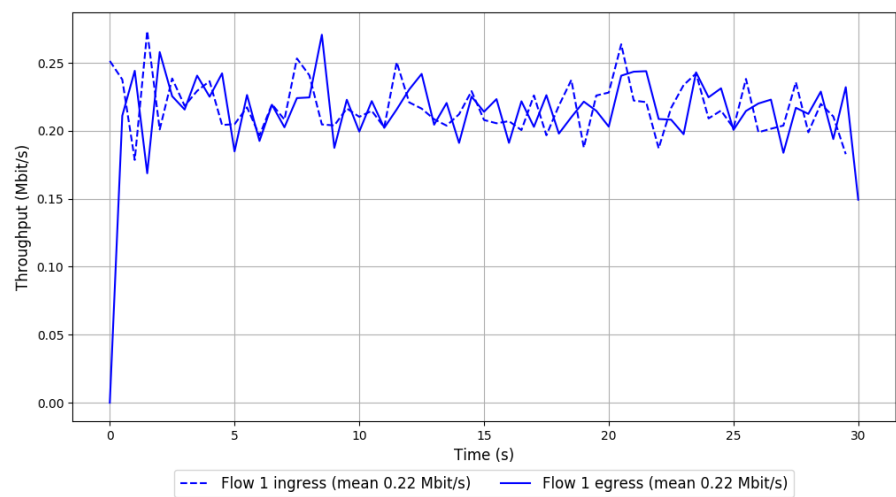


```
Run 1: Statistics of SCReAM

Start at: 2018-07-04 02:58:26
End at: 2018-07-04 02:58:56
Local clock offset: -2.272 ms
Remote clock offset: 3.719 ms

# Below is generated by plot.py at 2018-07-04 06:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.397 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.397 ms
Loss rate: 0.51%
```

Run 1: Report of SReAM — Data Link

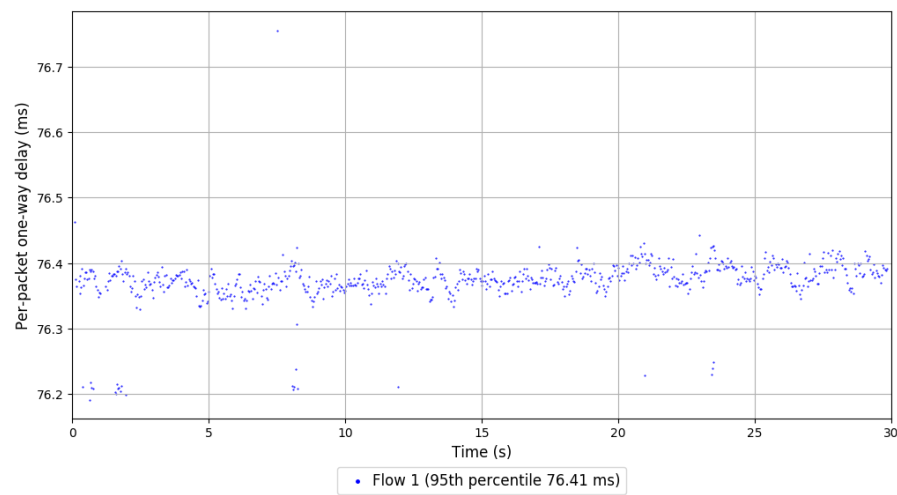
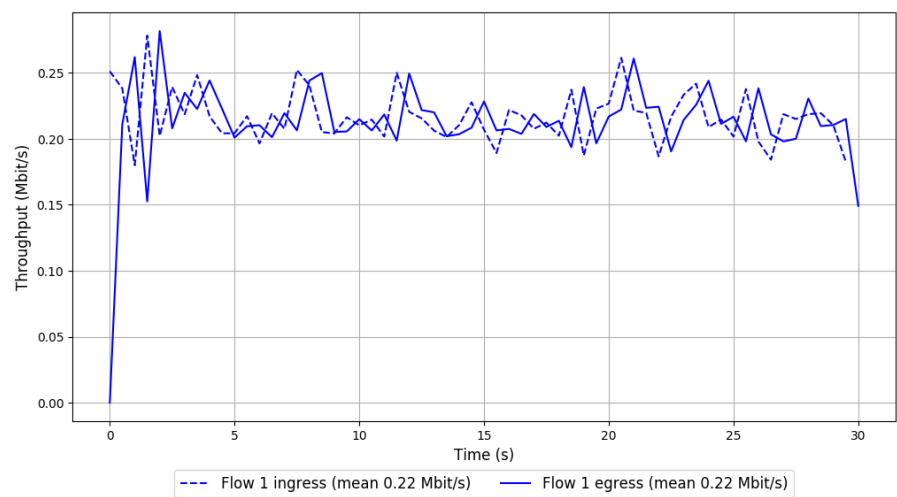


Run 2: Statistics of SCReAM

Start at: 2018-07-04 03:18:14
End at: 2018-07-04 03:18:44
Local clock offset: -2.167 ms
Remote clock offset: 10.769 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.407 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.407 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-04 03:38:04

End at: 2018-07-04 03:38:34

Local clock offset: -2.515 ms

Remote clock offset: 5.205 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.111 ms

Loss rate: 0.51%

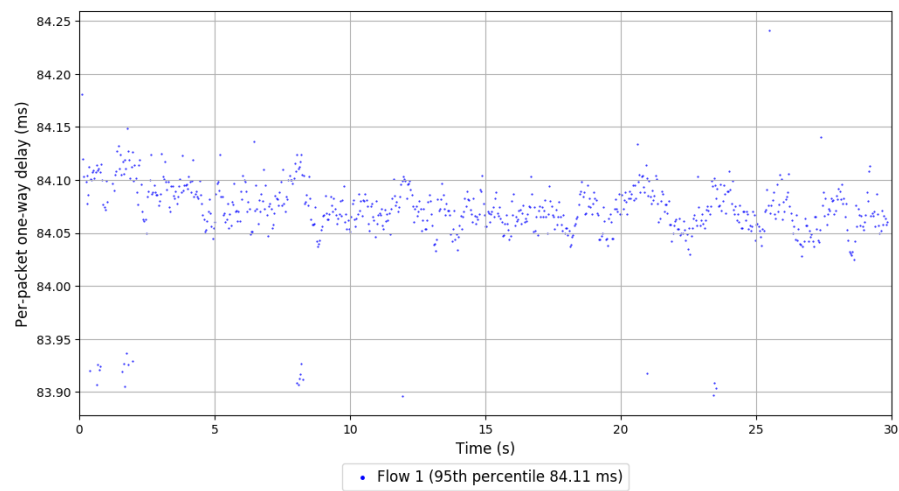
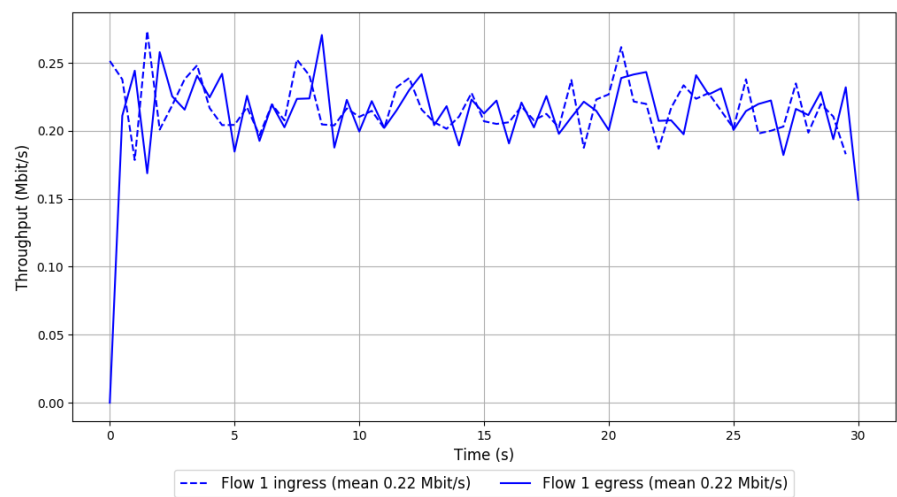
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.111 ms

Loss rate: 0.51%

Run 3: Report of SReAM — Data Link

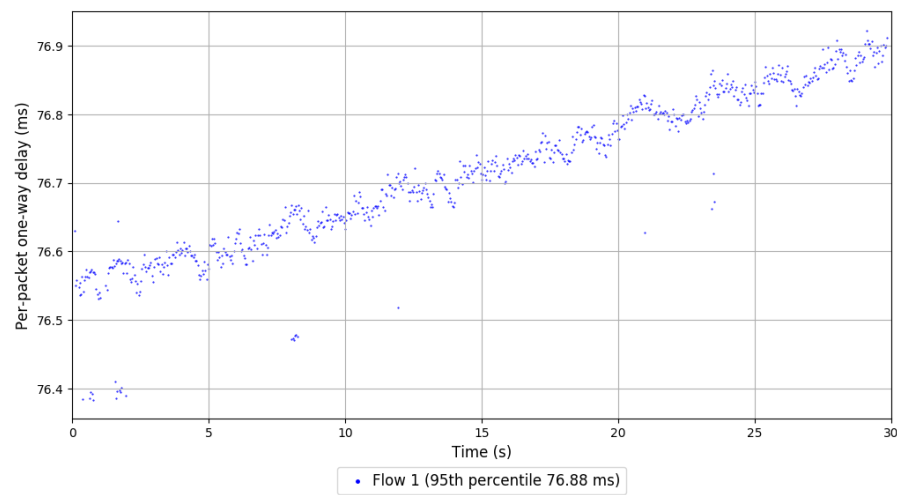
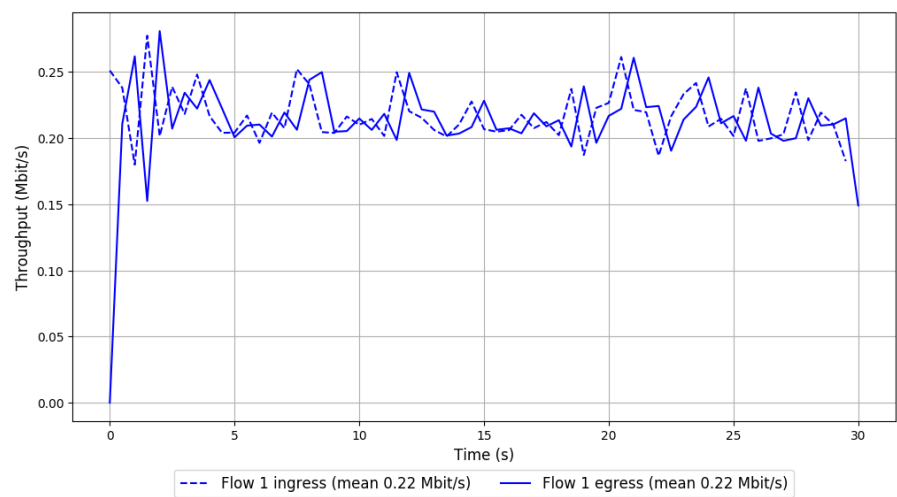


Run 4: Statistics of SCReAM

Start at: 2018-07-04 03:57:54
End at: 2018-07-04 03:58:24
Local clock offset: -2.609 ms
Remote clock offset: 10.783 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.877 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.877 ms
Loss rate: 0.51%

Run 4: Report of SReAM — Data Link

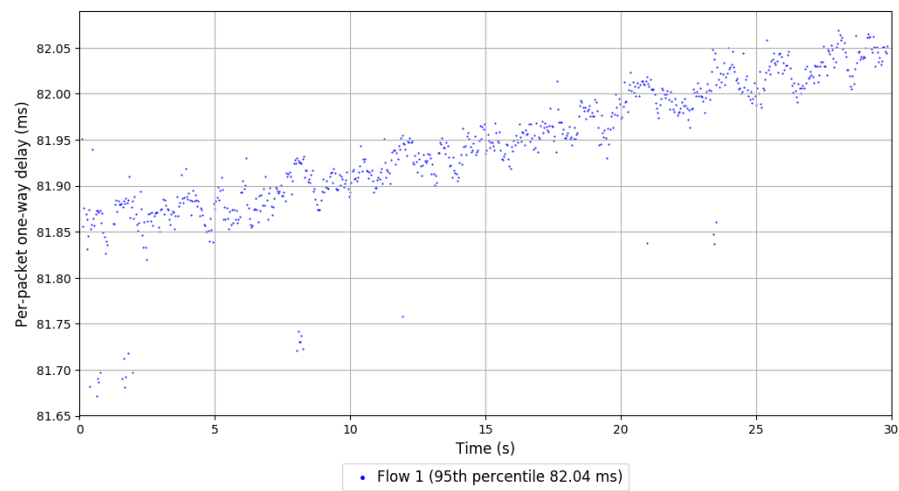
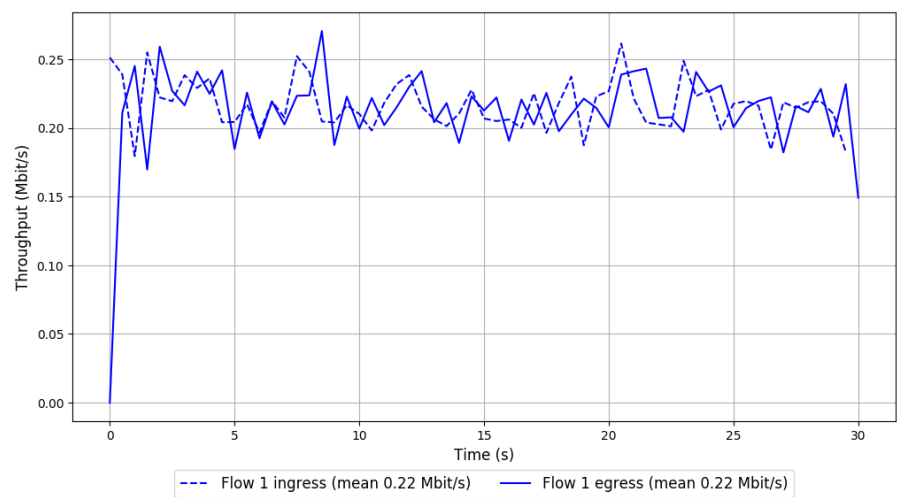


Run 5: Statistics of SCReAM

Start at: 2018-07-04 04:17:50
End at: 2018-07-04 04:18:20
Local clock offset: -5.439 ms
Remote clock offset: 13.454 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.044 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.044 ms
Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

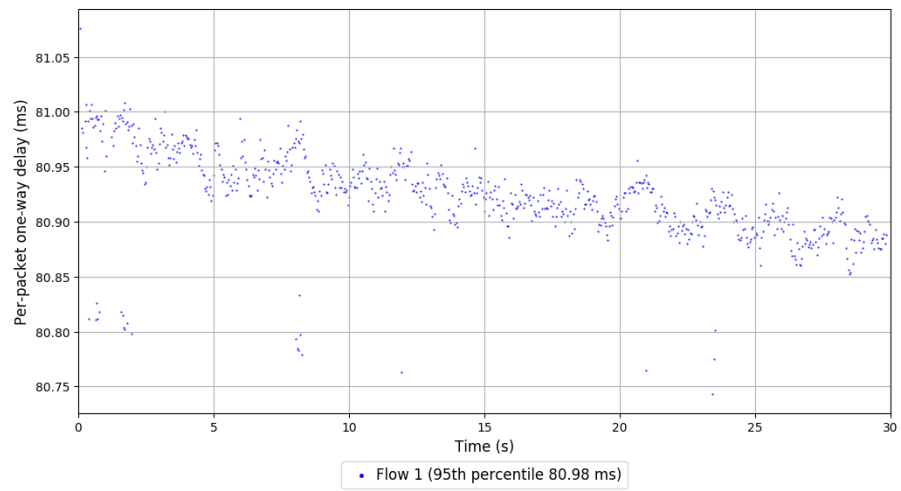
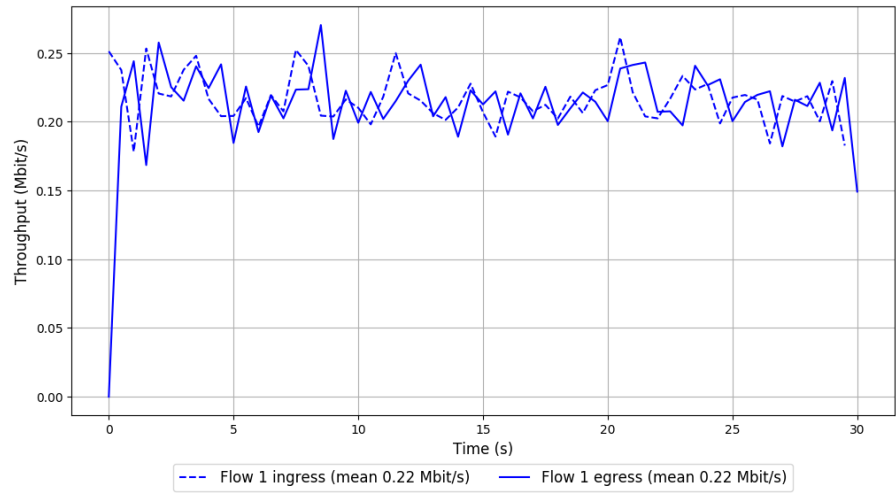


Run 6: Statistics of SCReAM

Start at: 2018-07-04 04:37:41
End at: 2018-07-04 04:38:11
Local clock offset: -8.178 ms
Remote clock offset: 12.998 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.985 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.985 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

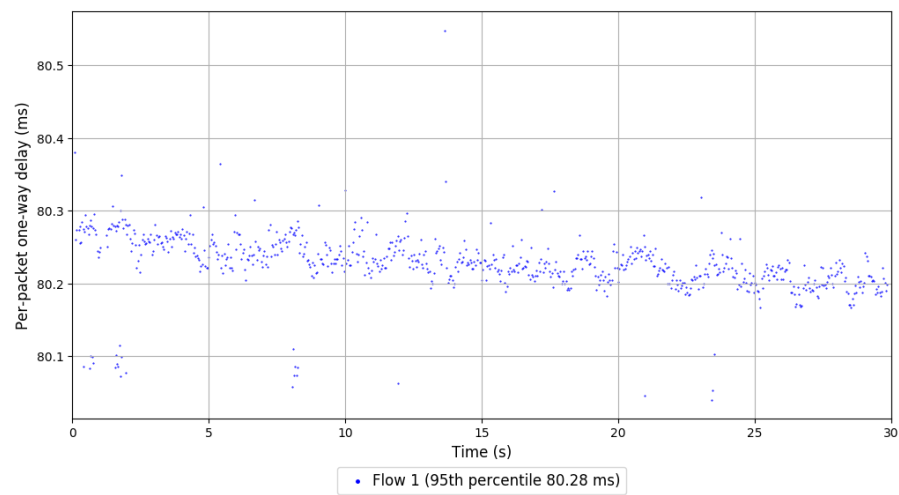
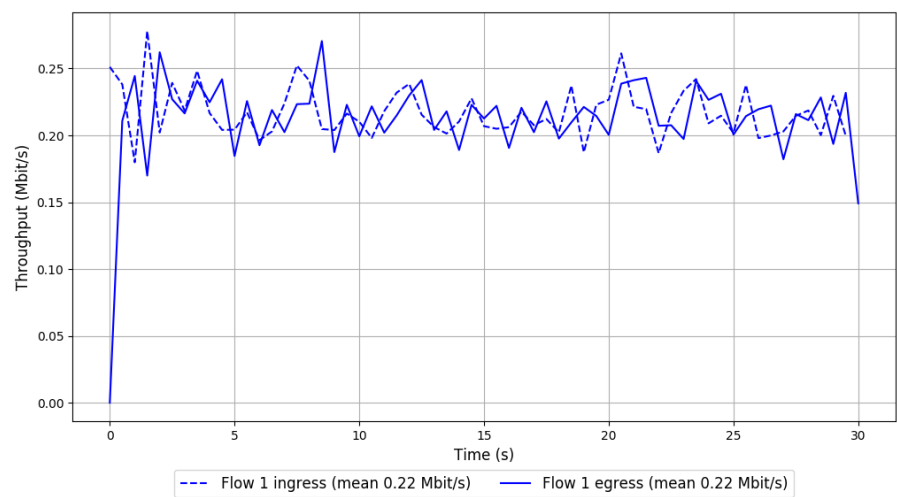


Run 7: Statistics of SCReAM

Start at: 2018-07-04 04:57:33
End at: 2018-07-04 04:58:03
Local clock offset: -2.174 ms
Remote clock offset: 14.607 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.280 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.280 ms
Loss rate: 0.64%

Run 7: Report of SReAM — Data Link

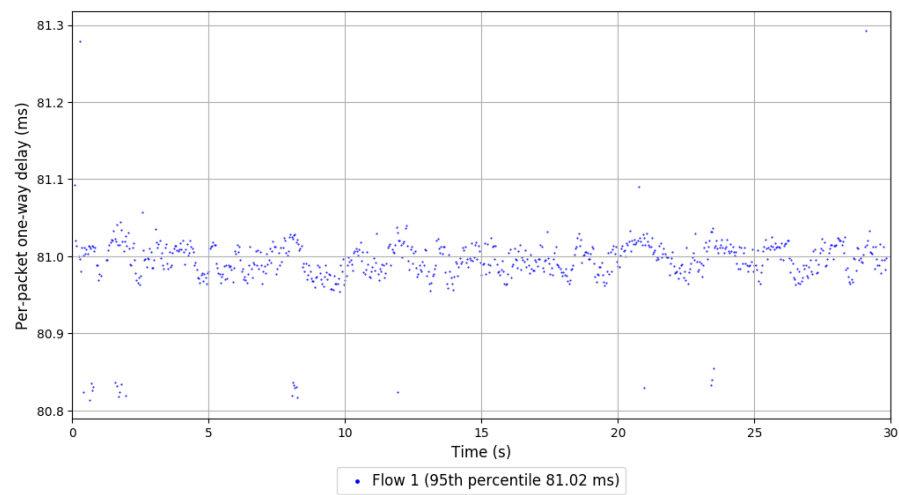
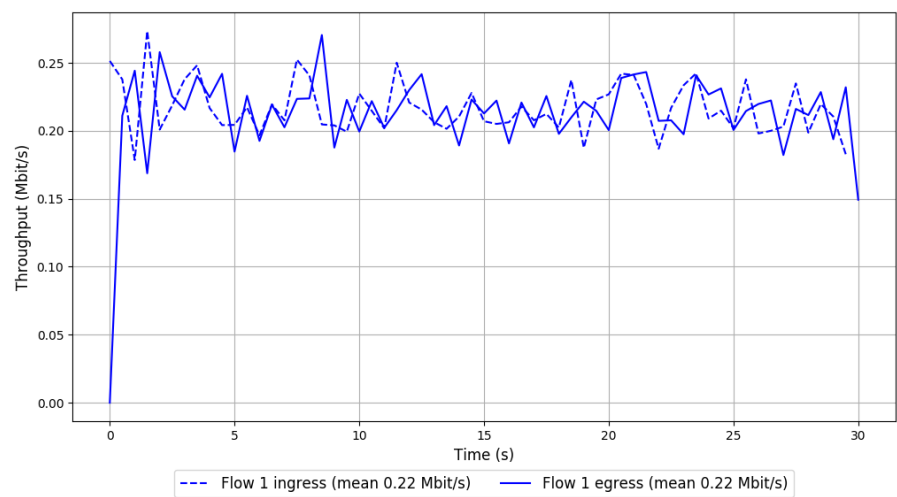


Run 8: Statistics of SCReAM

Start at: 2018-07-04 05:17:23
End at: 2018-07-04 05:17:53
Local clock offset: -1.381 ms
Remote clock offset: 14.668 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.024 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.024 ms
Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-04 05:37:15

End at: 2018-07-04 05:37:45

Local clock offset: -1.419 ms

Remote clock offset: 11.38 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.633 ms

Loss rate: 0.51%

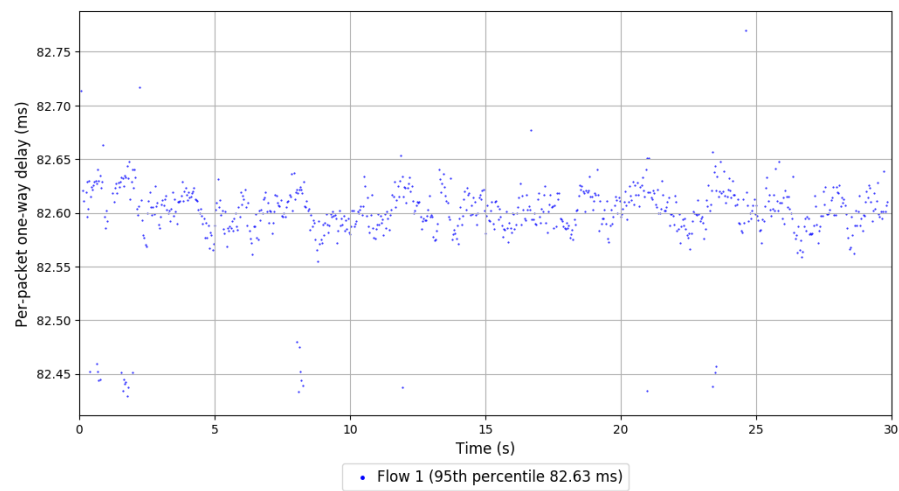
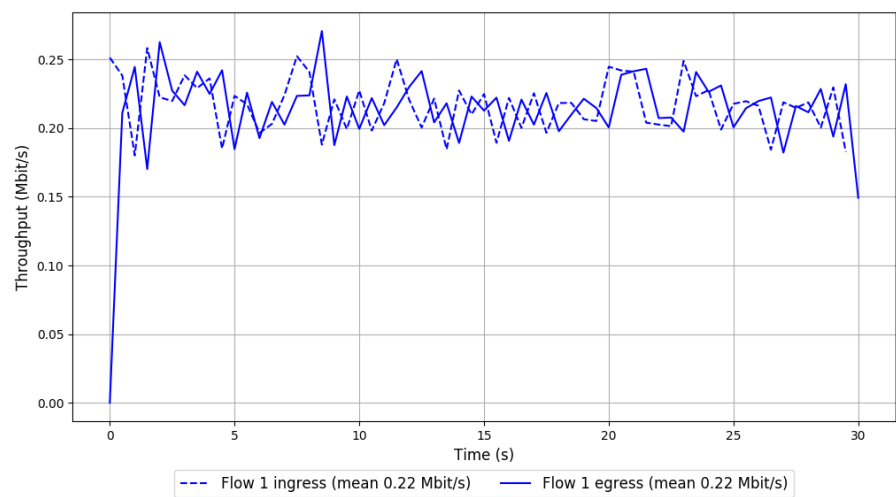
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.633 ms

Loss rate: 0.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-04 05:57:08

End at: 2018-07-04 05:57:38

Local clock offset: -1.763 ms

Remote clock offset: 2.49 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.033 ms

Loss rate: 0.51%

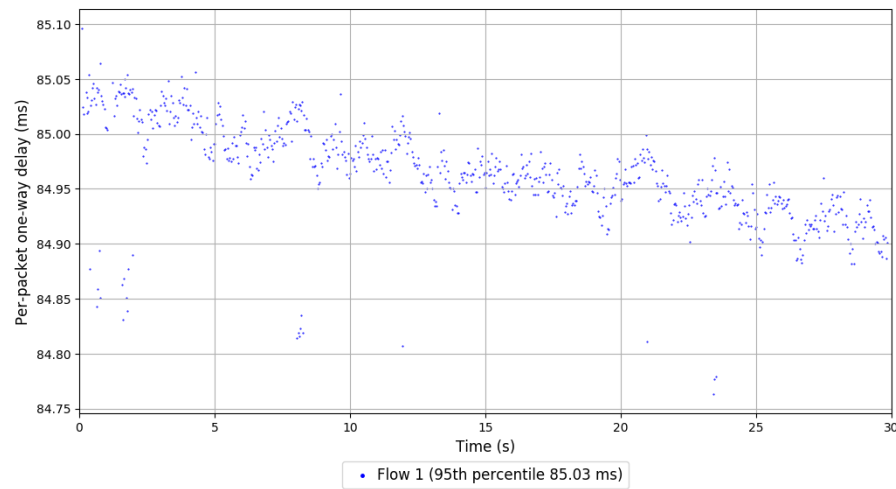
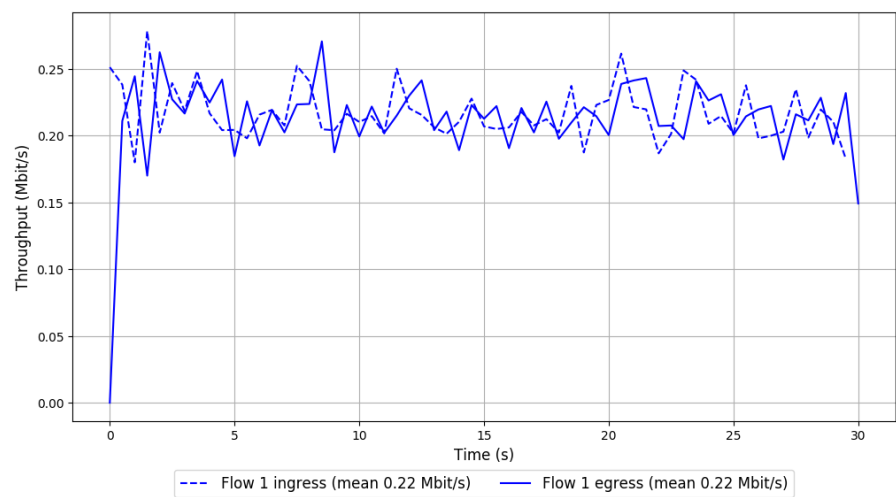
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.033 ms

Loss rate: 0.51%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-04 02:57:20

End at: 2018-07-04 02:57:50

Local clock offset: -2.417 ms

Remote clock offset: 7.519 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 79.753 ms

Loss rate: 0.26%

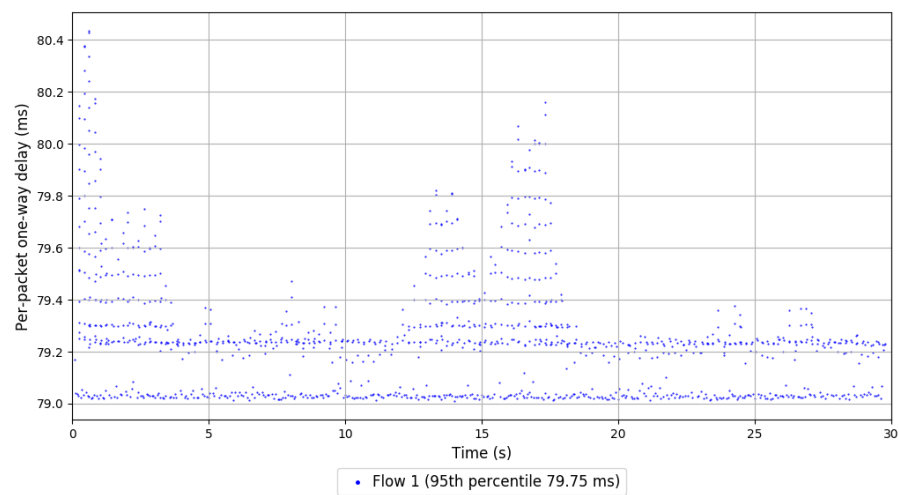
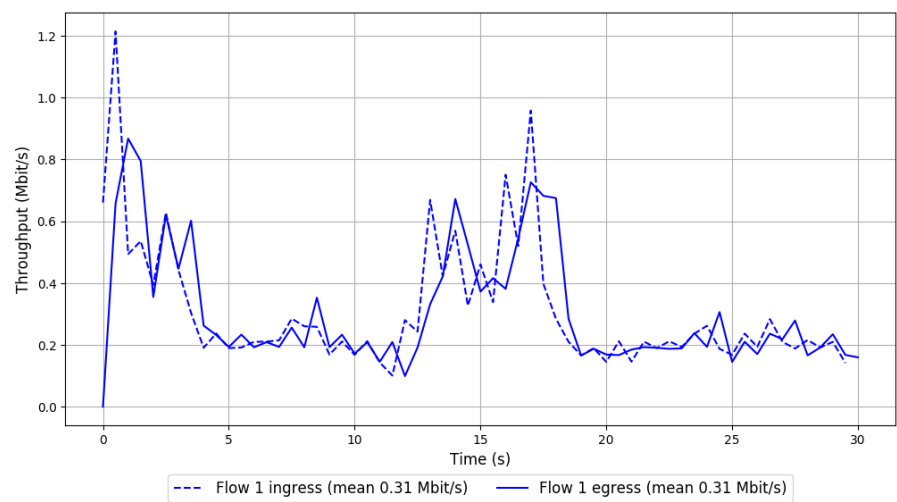
-- Flow 1:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 79.753 ms

Loss rate: 0.26%

Run 1: Report of Sprout — Data Link

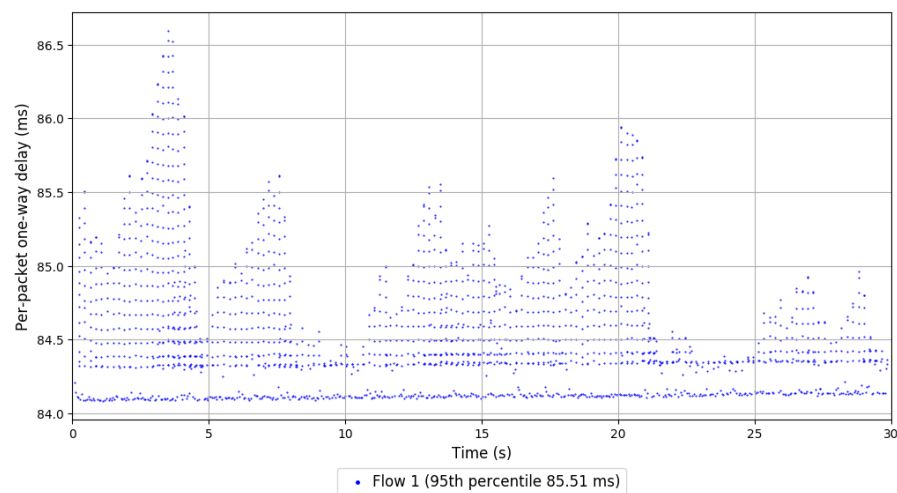
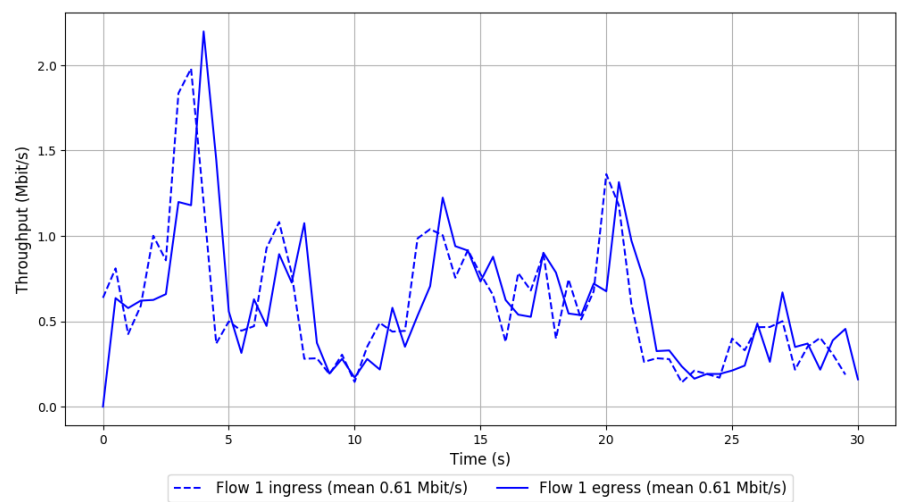


Run 2: Statistics of Sprout

Start at: 2018-07-04 03:17:07
End at: 2018-07-04 03:17:37
Local clock offset: -2.129 ms
Remote clock offset: 5.672 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 85.507 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 85.507 ms
Loss rate: 0.08%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-04 03:36:57

End at: 2018-07-04 03:37:27

Local clock offset: -2.458 ms

Remote clock offset: 9.17 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 80.803 ms

Loss rate: 0.13%

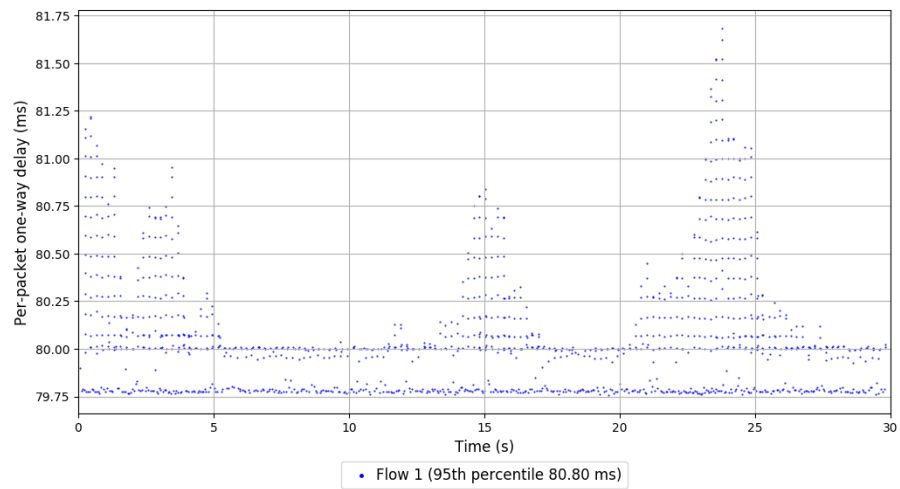
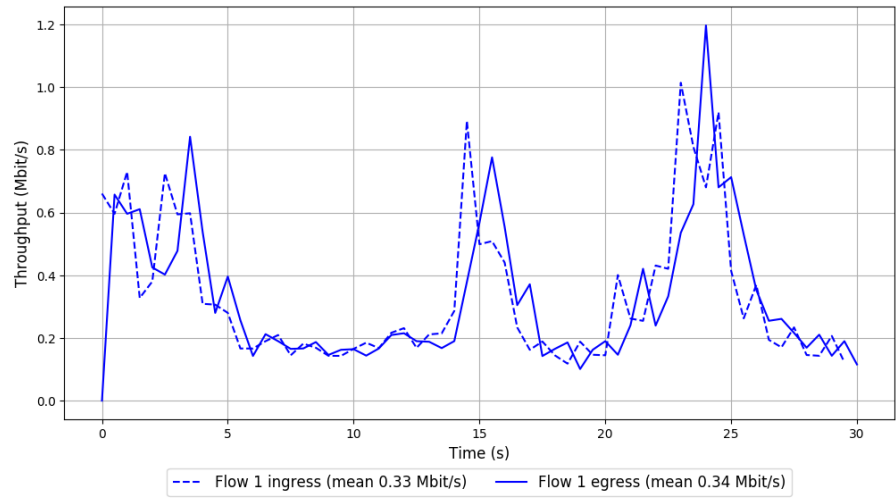
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 80.803 ms

Loss rate: 0.13%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-04 03:56:47

End at: 2018-07-04 03:57:17

Local clock offset: -2.603 ms

Remote clock offset: 5.135 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 84.798 ms

Loss rate: 0.46%

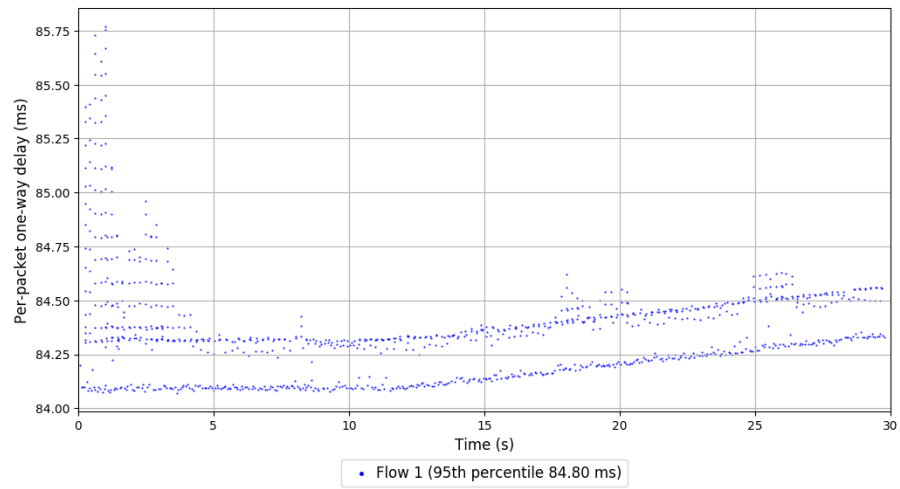
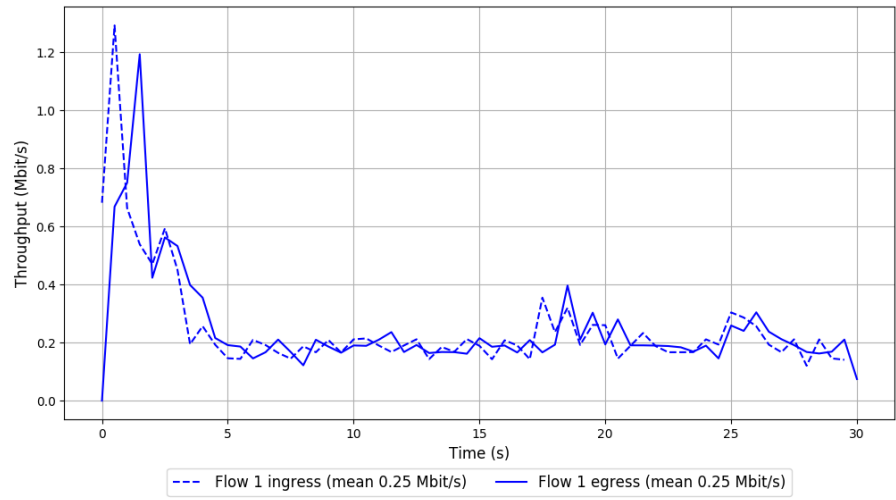
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 84.798 ms

Loss rate: 0.46%

Run 4: Report of Sprout — Data Link

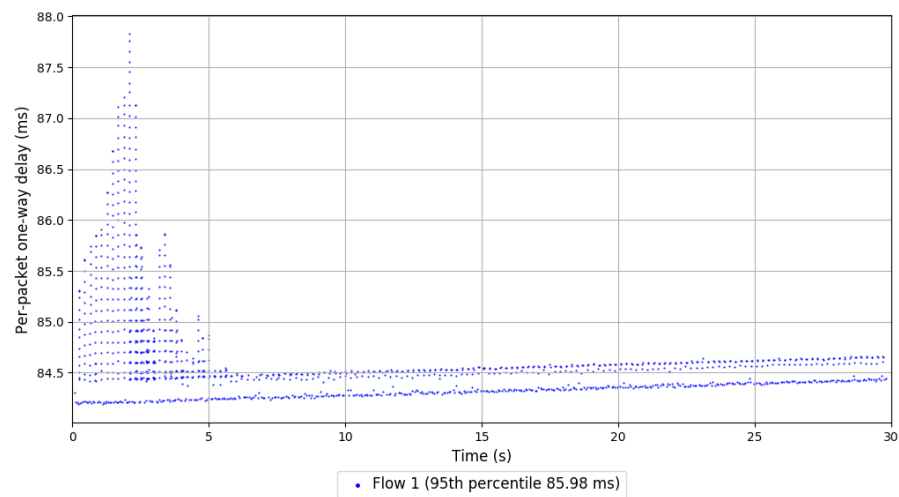
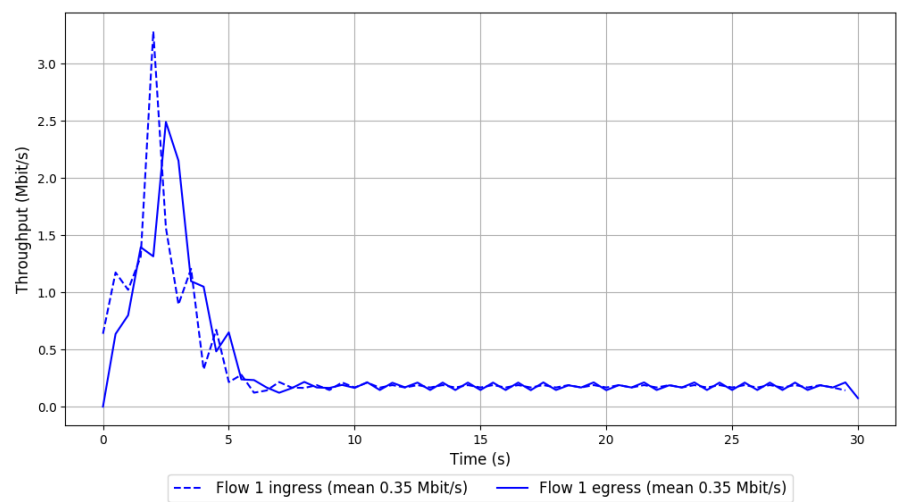


Run 5: Statistics of Sprout

Start at: 2018-07-04 04:16:44
End at: 2018-07-04 04:17:14
Local clock offset: -5.111 ms
Remote clock offset: 13.181 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 85.980 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 85.980 ms
Loss rate: 0.33%

Run 5: Report of Sprout — Data Link

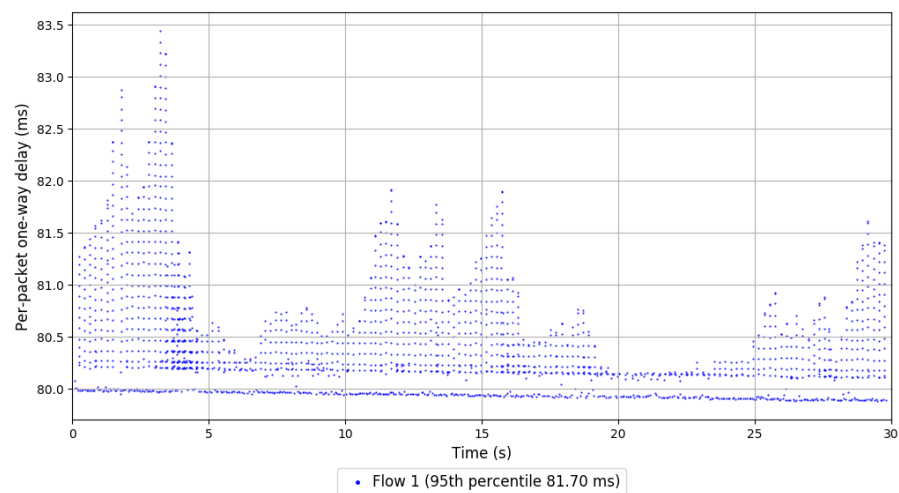
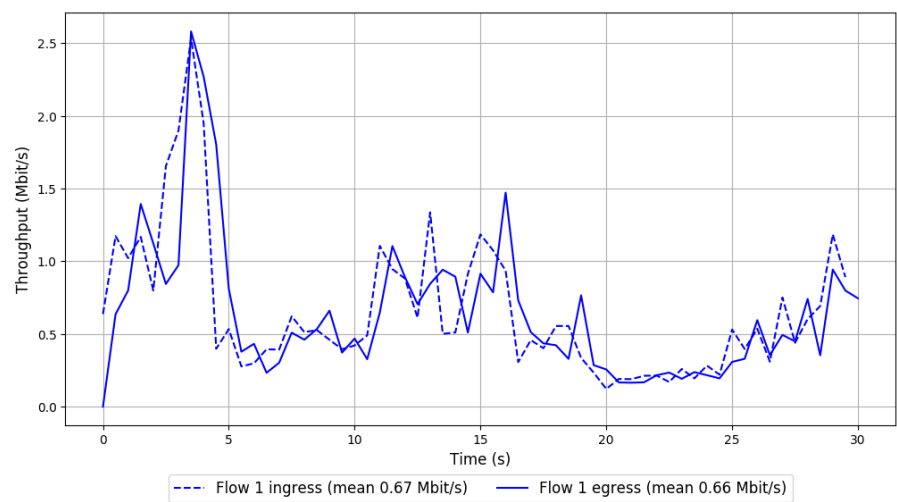


Run 6: Statistics of Sprout

Start at: 2018-07-04 04:36:35
End at: 2018-07-04 04:37:05
Local clock offset: -8.167 ms
Remote clock offset: 17.264 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 81.697 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 81.697 ms
Loss rate: 1.34%

Run 6: Report of Sprout — Data Link

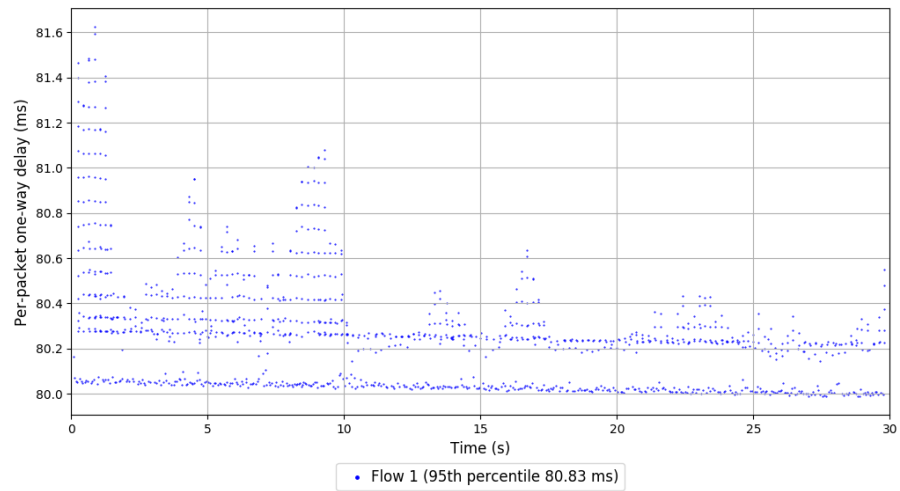
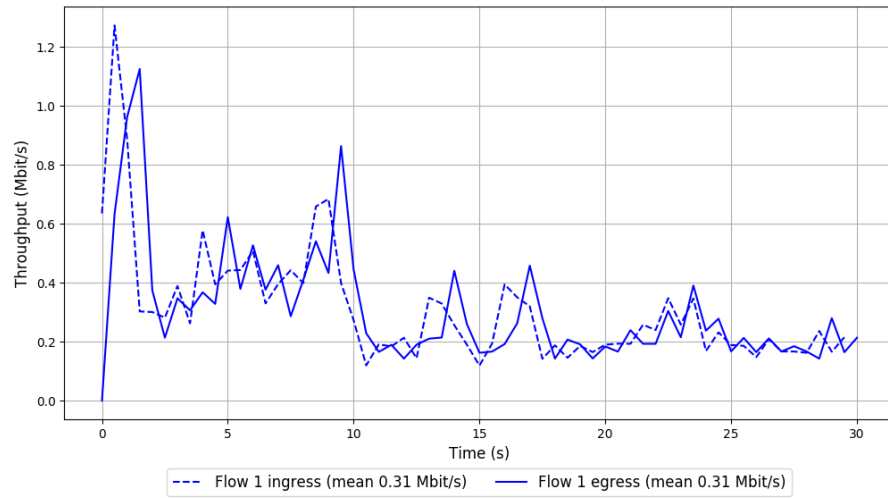


Run 7: Statistics of Sprout

Start at: 2018-07-04 04:56:26
End at: 2018-07-04 04:56:56
Local clock offset: -2.254 ms
Remote clock offset: 15.738 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 80.833 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 80.833 ms
Loss rate: 0.03%

Run 7: Report of Sprout — Data Link

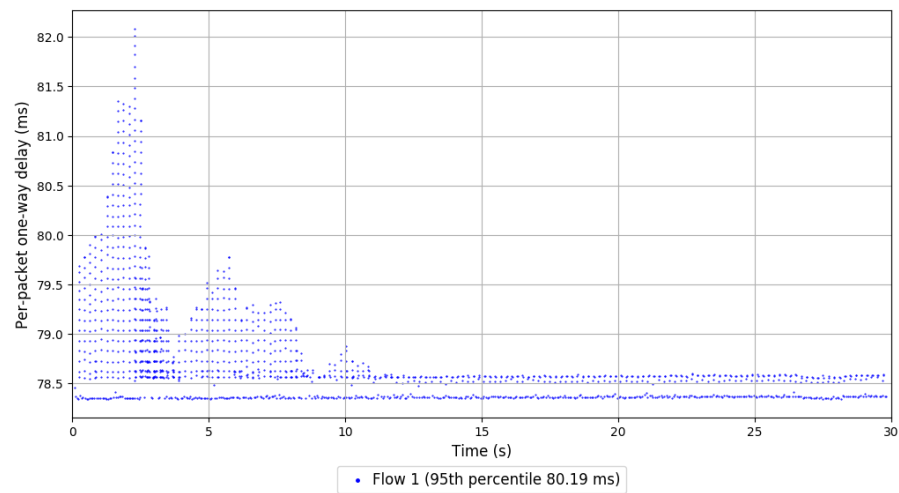
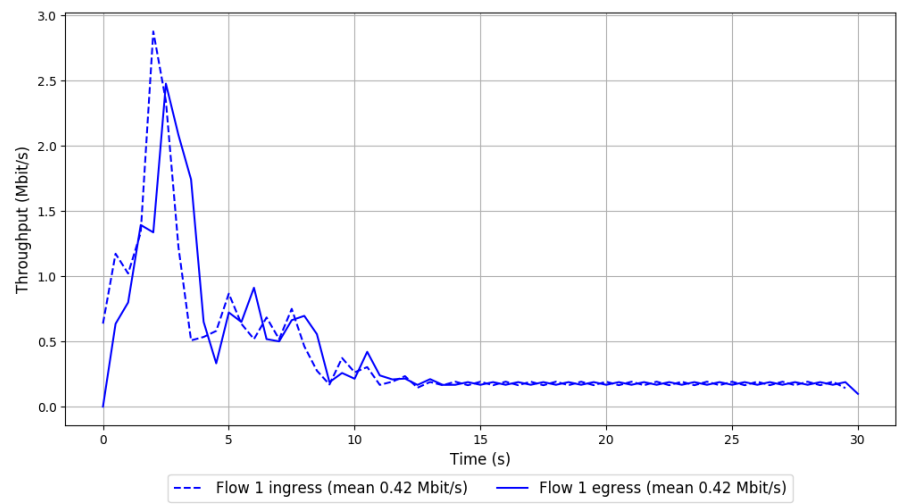


Run 8: Statistics of Sprout

Start at: 2018-07-04 05:16:17
End at: 2018-07-04 05:16:47
Local clock offset: -1.403 ms
Remote clock offset: 14.701 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 80.192 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 80.192 ms
Loss rate: 0.28%

Run 8: Report of Sprout — Data Link

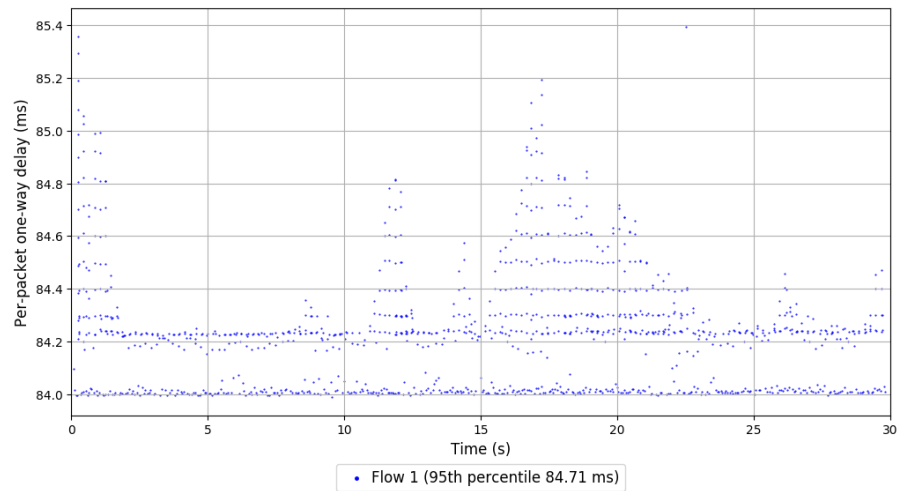
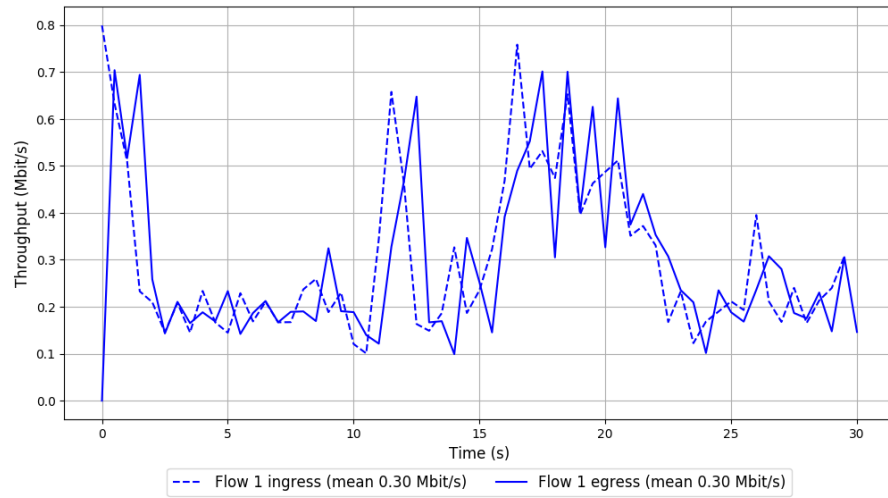


Run 9: Statistics of Sprout

Start at: 2018-07-04 05:36:09
End at: 2018-07-04 05:36:39
Local clock offset: -1.391 ms
Remote clock offset: 12.417 ms

Below is generated by plot.py at 2018-07-04 06:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 84.711 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 84.711 ms
Loss rate: 0.91%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-04 05:56:02

End at: 2018-07-04 05:56:32

Local clock offset: -1.753 ms

Remote clock offset: 8.752 ms

Below is generated by plot.py at 2018-07-04 06:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 79.781 ms

Loss rate: 0.50%

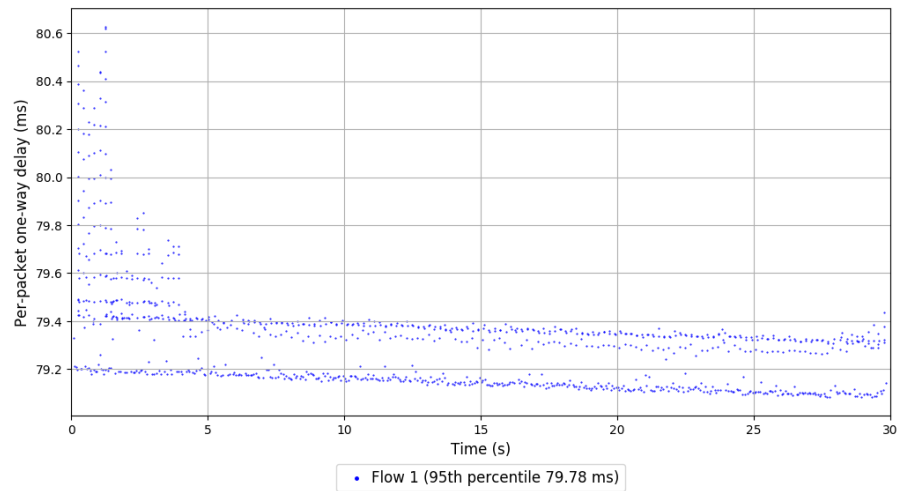
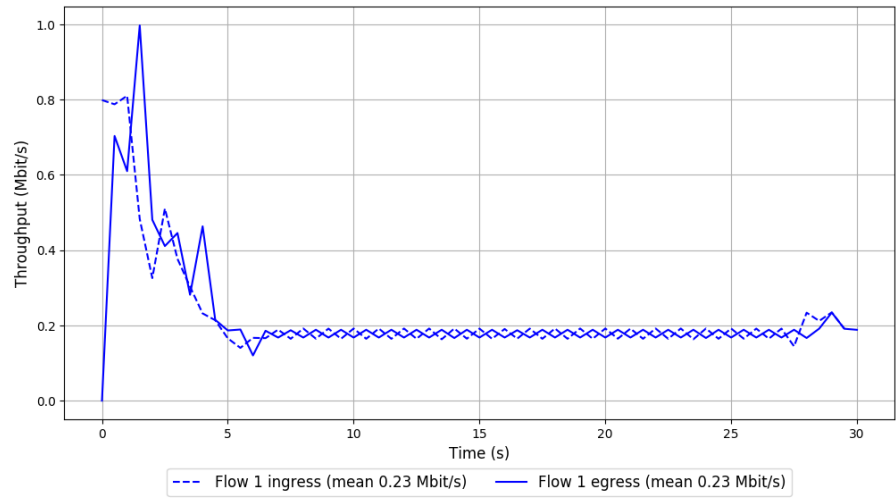
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 79.781 ms

Loss rate: 0.50%

Run 10: Report of Sprout — Data Link

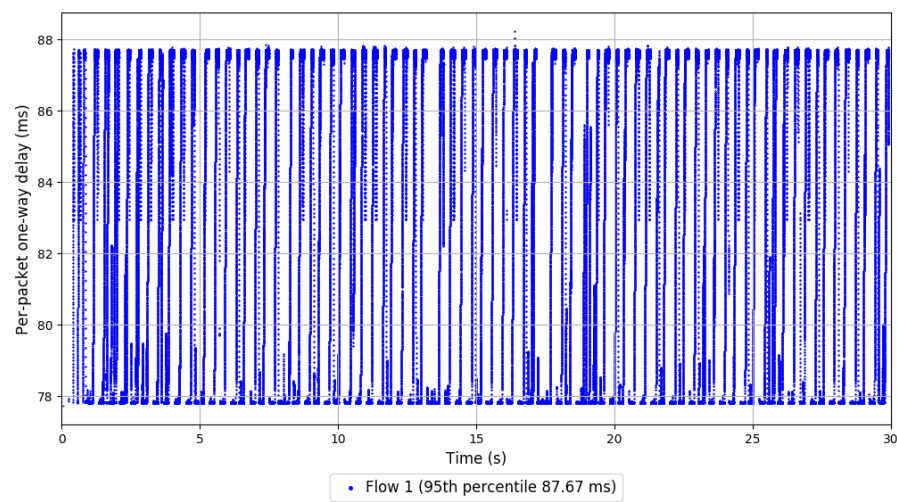
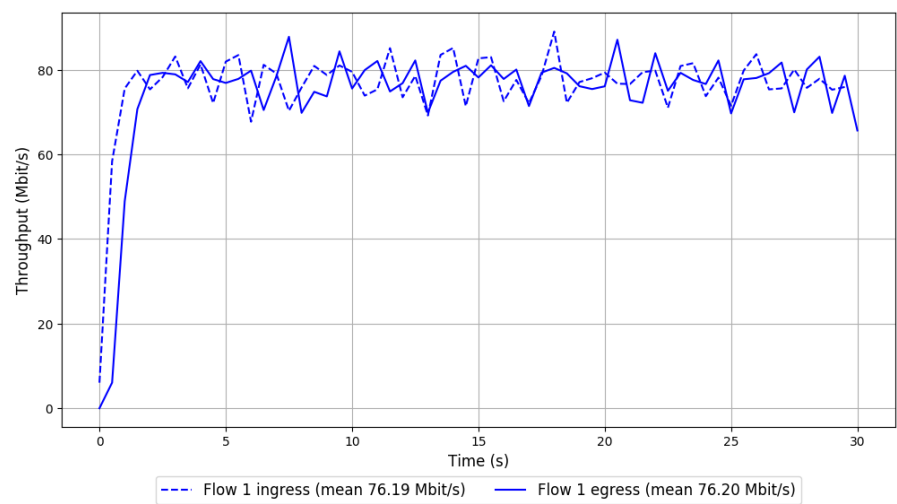


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-04 03:08:48
End at: 2018-07-04 03:09:18
Local clock offset: -1.485 ms
Remote clock offset: 9.277 ms

# Below is generated by plot.py at 2018-07-04 06:25:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 87.669 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 87.669 ms
Loss rate: 0.52%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-04 03:28:36

End at: 2018-07-04 03:29:06

Local clock offset: -2.499 ms

Remote clock offset: 4.44 ms

Below is generated by plot.py at 2018-07-04 06:25:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.97 Mbit/s

95th percentile per-packet one-way delay: 94.931 ms

Loss rate: 0.61%

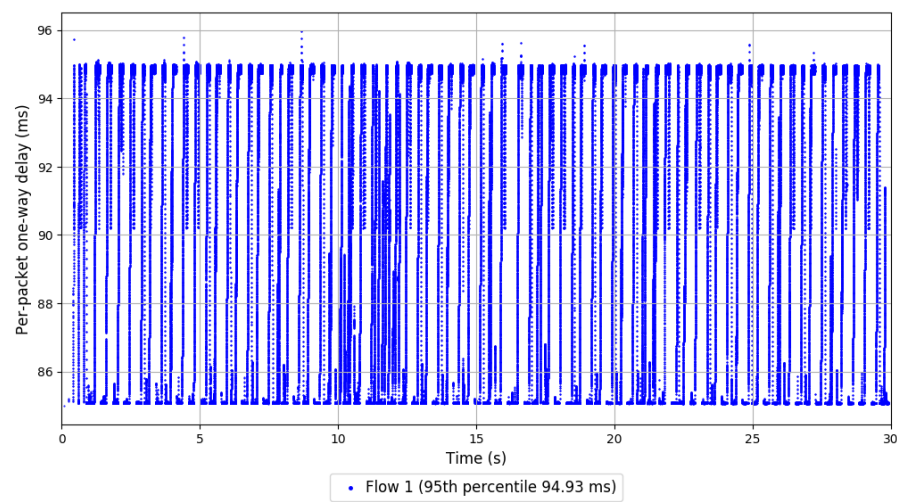
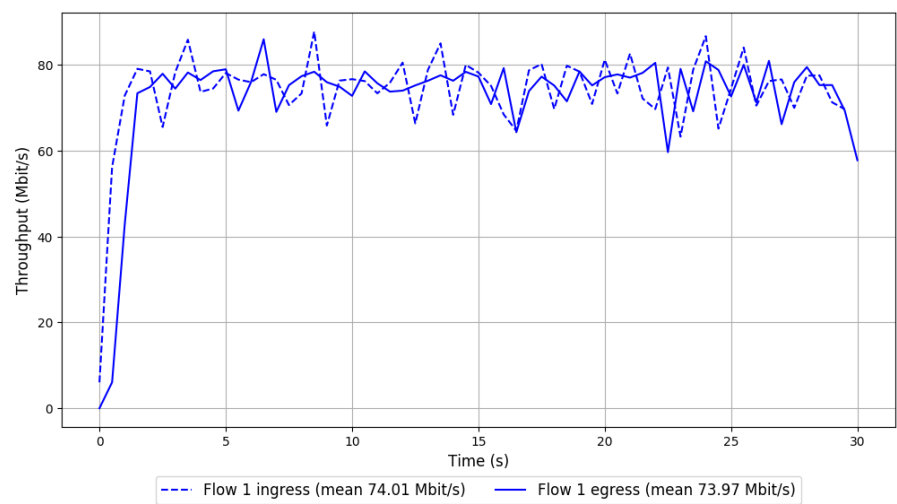
-- Flow 1:

Average throughput: 73.97 Mbit/s

95th percentile per-packet one-way delay: 94.931 ms

Loss rate: 0.61%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-04 03:48:25

End at: 2018-07-04 03:48:55

Local clock offset: -2.576 ms

Remote clock offset: 4.108 ms

Below is generated by plot.py at 2018-07-04 06:25:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.81 Mbit/s

95th percentile per-packet one-way delay: 95.170 ms

Loss rate: 0.60%

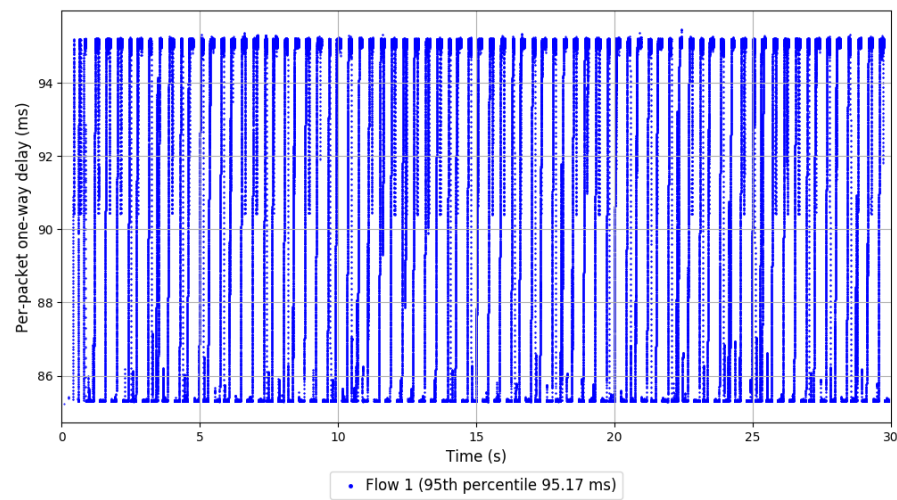
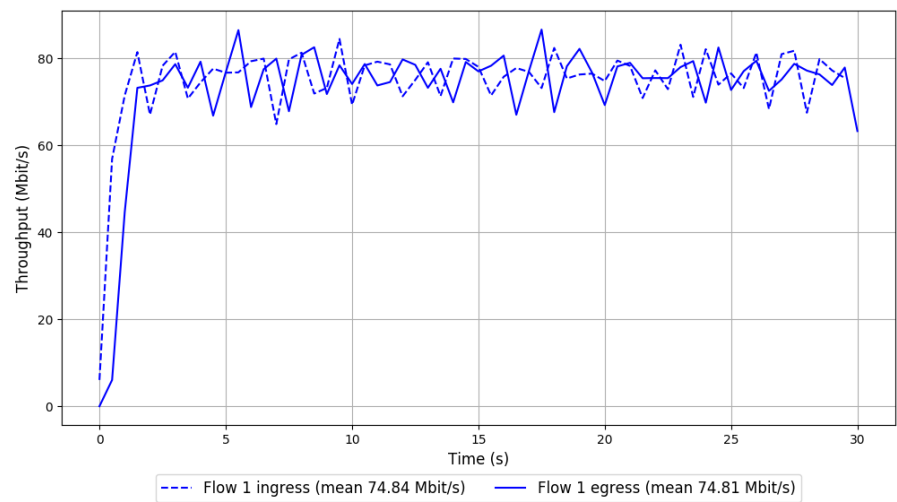
-- Flow 1:

Average throughput: 74.81 Mbit/s

95th percentile per-packet one-way delay: 95.170 ms

Loss rate: 0.60%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-04 04:08:15

End at: 2018-07-04 04:08:45

Local clock offset: -2.587 ms

Remote clock offset: 9.914 ms

Below is generated by plot.py at 2018-07-04 06:25:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.62 Mbit/s

95th percentile per-packet one-way delay: 95.262 ms

Loss rate: 0.55%

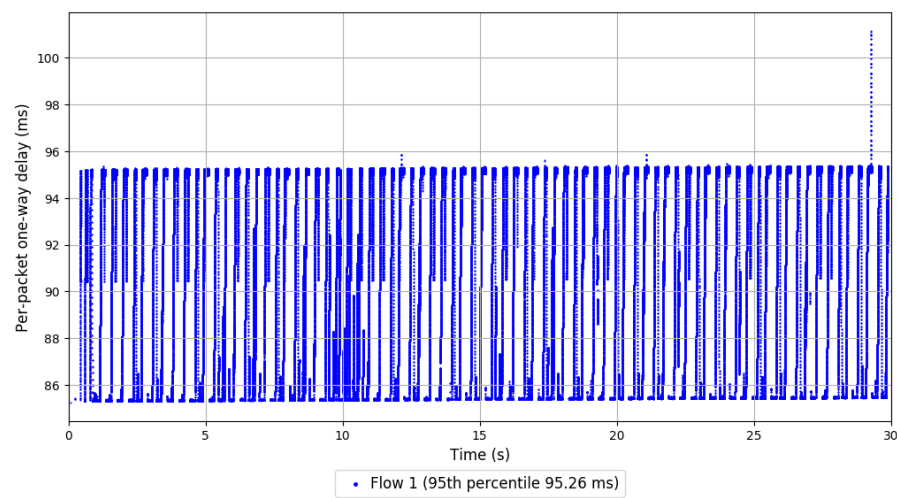
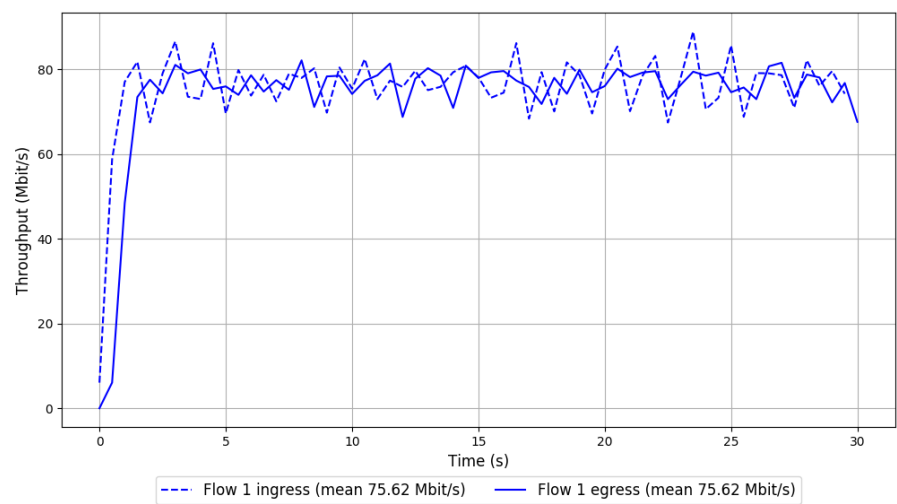
-- Flow 1:

Average throughput: 75.62 Mbit/s

95th percentile per-packet one-way delay: 95.262 ms

Loss rate: 0.55%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-04 04:28:12

End at: 2018-07-04 04:28:42

Local clock offset: -7.282 ms

Remote clock offset: 13.991 ms

Below is generated by plot.py at 2018-07-04 06:25:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 95.393 ms

Loss rate: 0.54%

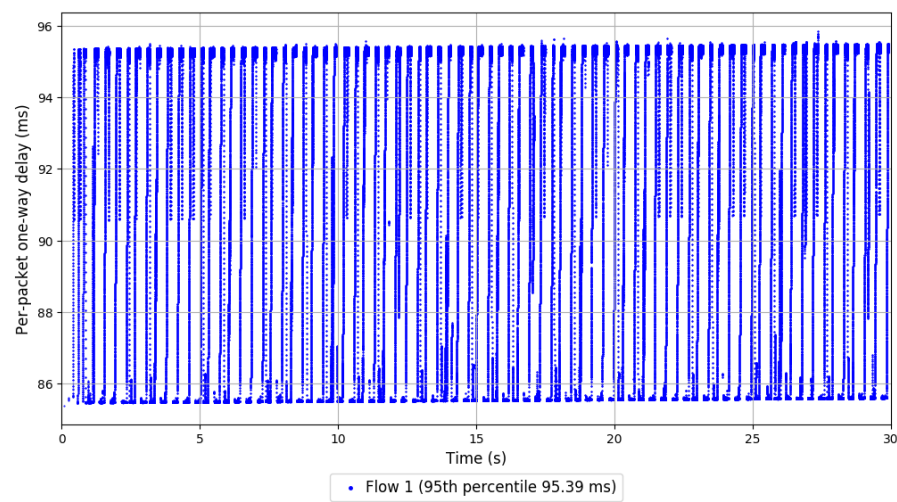
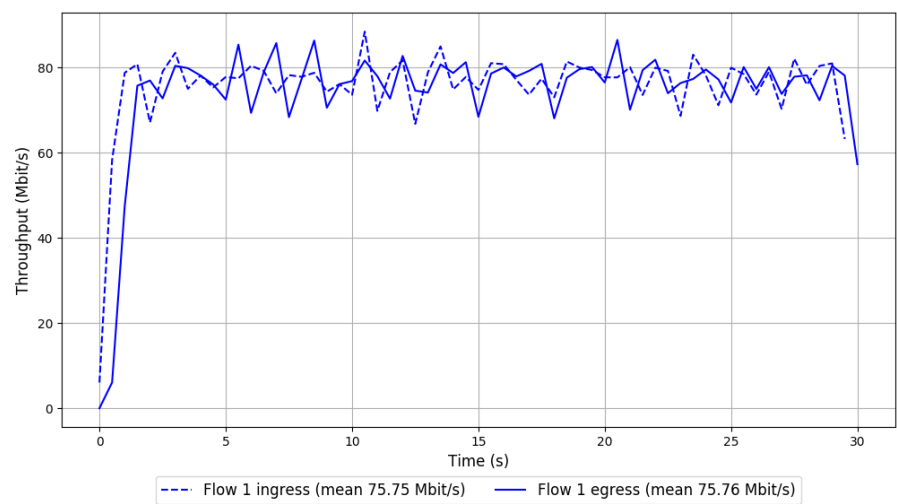
-- Flow 1:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 95.393 ms

Loss rate: 0.54%

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



Run 6: Statistics of TaoVA-100x

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

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

Local clock offset: -4.211 ms

Remote clock offset: 16.831 ms

Below is generated by plot.py at 2018-07-04 06:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 86.583 ms

Loss rate: 1.79%

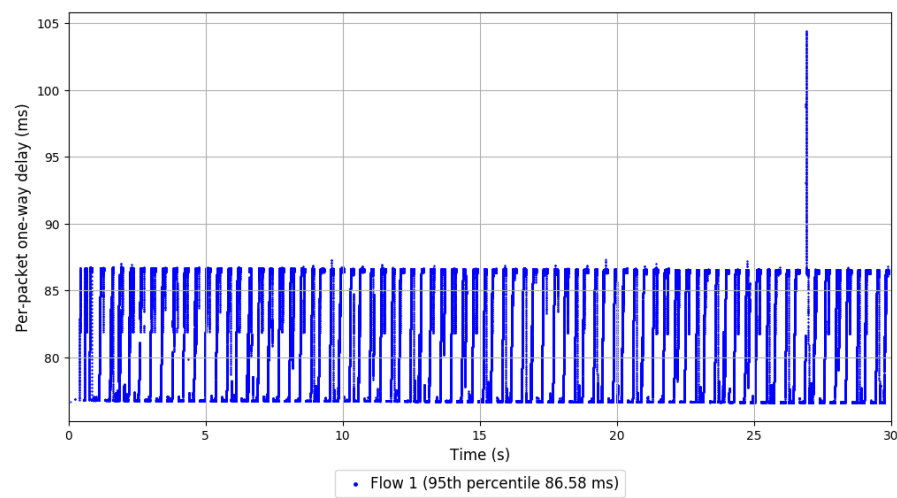
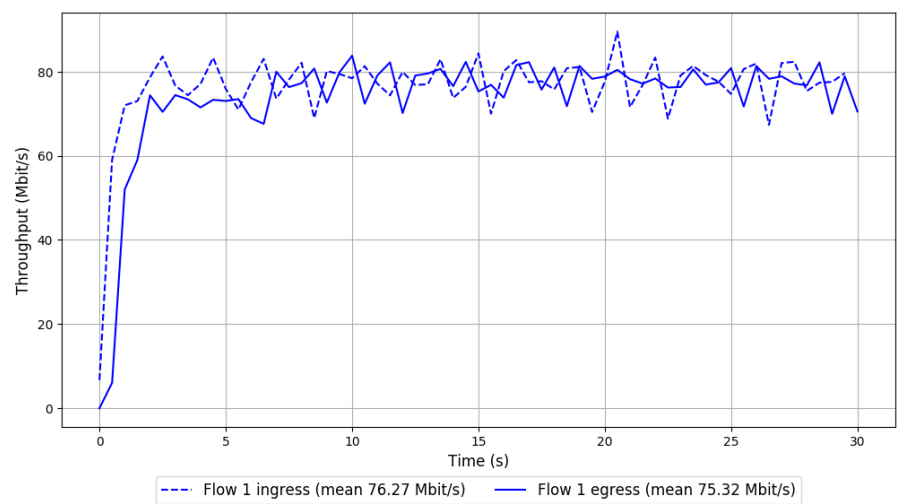
-- Flow 1:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 86.583 ms

Loss rate: 1.79%

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



Run 7: Statistics of TaoVA-100x

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

End at: 2018-07-04 05:08:25

Local clock offset: -1.115 ms

Remote clock offset: 11.94 ms

Below is generated by plot.py at 2018-07-04 06:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.49 Mbit/s

95th percentile per-packet one-way delay: 93.398 ms

Loss rate: 0.67%

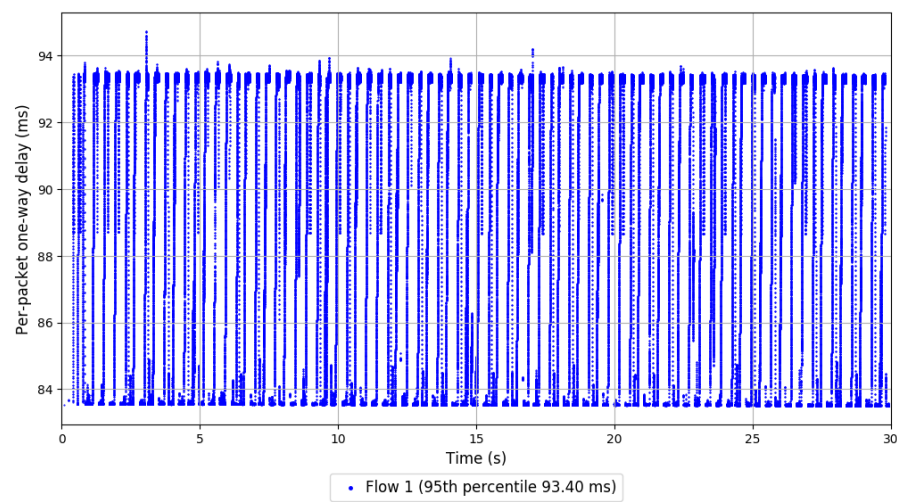
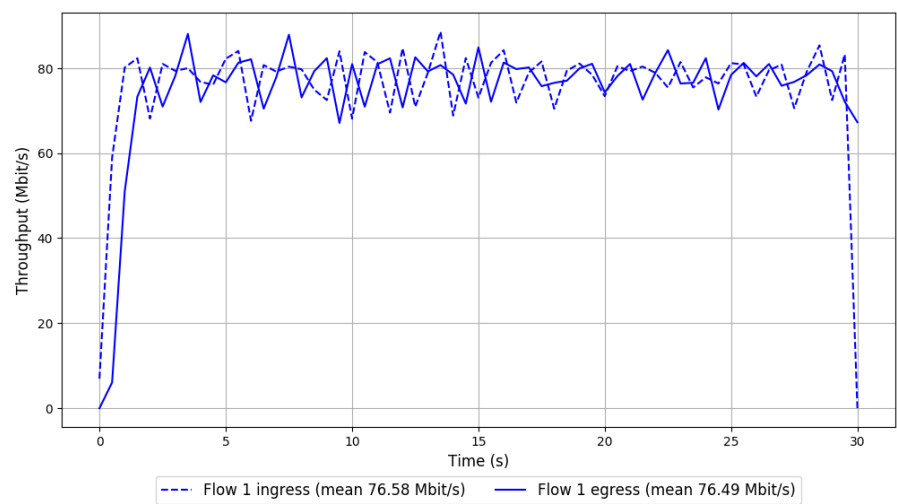
-- Flow 1:

Average throughput: 76.49 Mbit/s

95th percentile per-packet one-way delay: 93.398 ms

Loss rate: 0.67%

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

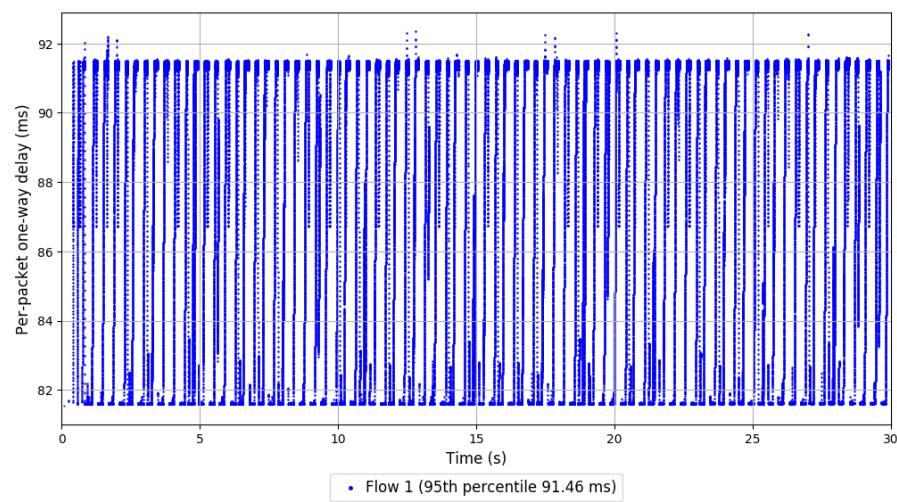
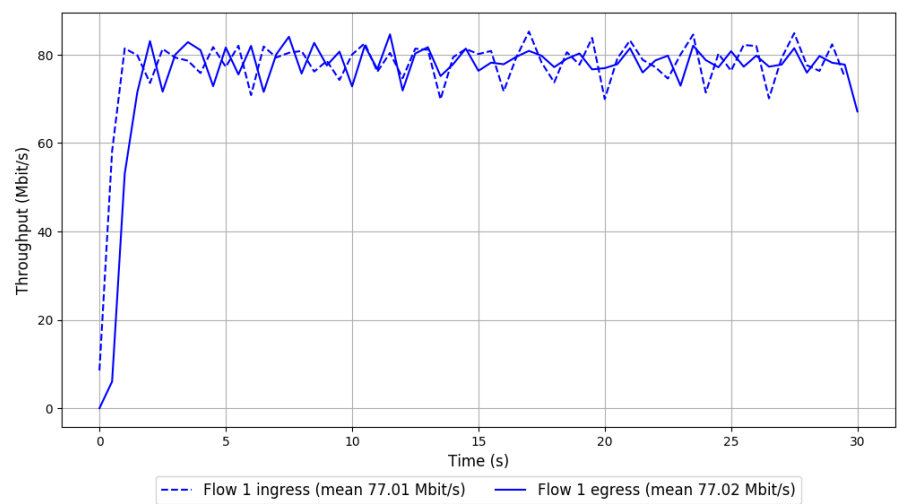


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-04 05:27:45
End at: 2018-07-04 05:28:15
Local clock offset: -1.489 ms
Remote clock offset: 12.097 ms

Below is generated by plot.py at 2018-07-04 06:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 91.461 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 91.461 ms
Loss rate: 0.54%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-04 05:47:37

End at: 2018-07-04 05:48:07

Local clock offset: -1.651 ms

Remote clock offset: 5.557 ms

Below is generated by plot.py at 2018-07-04 06:27:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.03 Mbit/s

95th percentile per-packet one-way delay: 94.129 ms

Loss rate: 0.73%

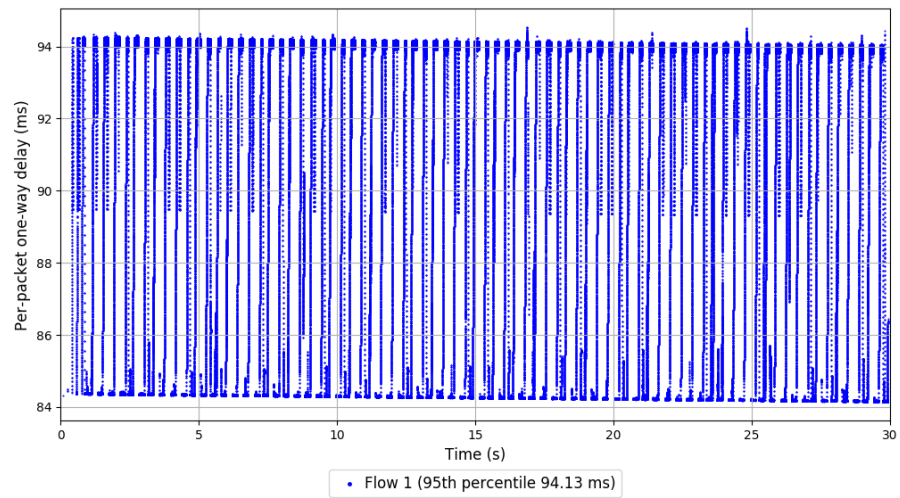
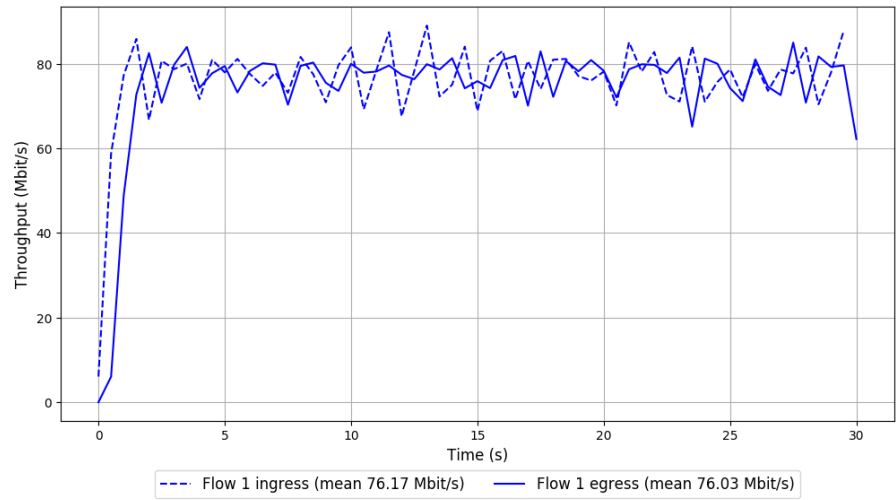
-- Flow 1:

Average throughput: 76.03 Mbit/s

95th percentile per-packet one-way delay: 94.129 ms

Loss rate: 0.73%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-04 06:07:30

End at: 2018-07-04 06:08:00

Local clock offset: -1.72 ms

Remote clock offset: 5.876 ms

Below is generated by plot.py at 2018-07-04 06:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.32 Mbit/s

95th percentile per-packet one-way delay: 90.007 ms

Loss rate: 0.63%

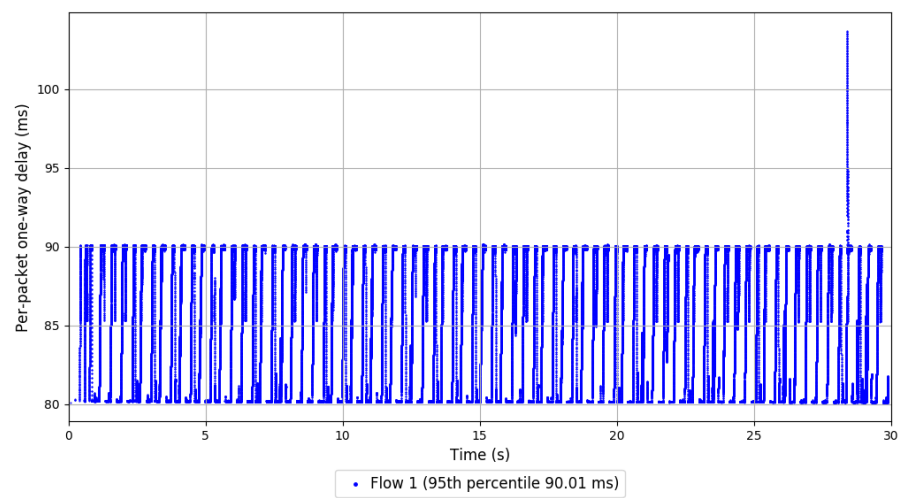
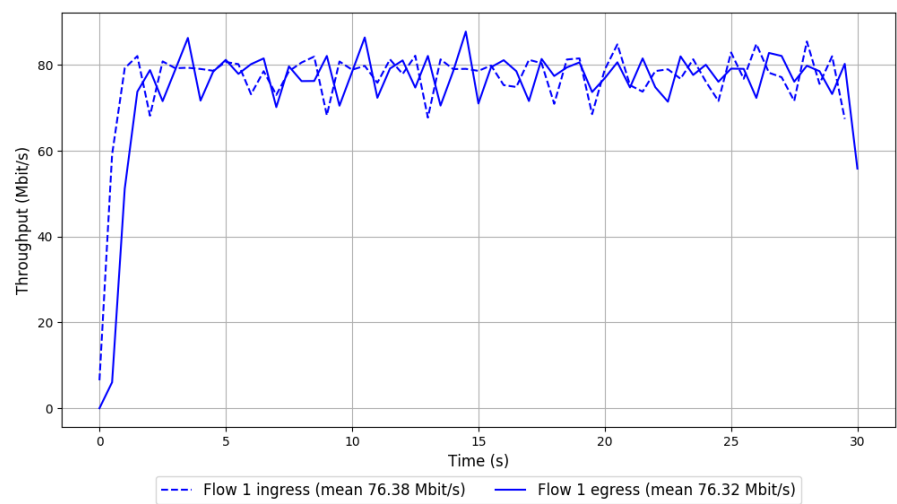
-- Flow 1:

Average throughput: 76.32 Mbit/s

95th percentile per-packet one-way delay: 90.007 ms

Loss rate: 0.63%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-04 03:07:39

End at: 2018-07-04 03:08:09

Local clock offset: -1.528 ms

Remote clock offset: 4.353 ms

Below is generated by plot.py at 2018-07-04 06:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.41 Mbit/s

95th percentile per-packet one-way delay: 93.048 ms

Loss rate: 0.61%

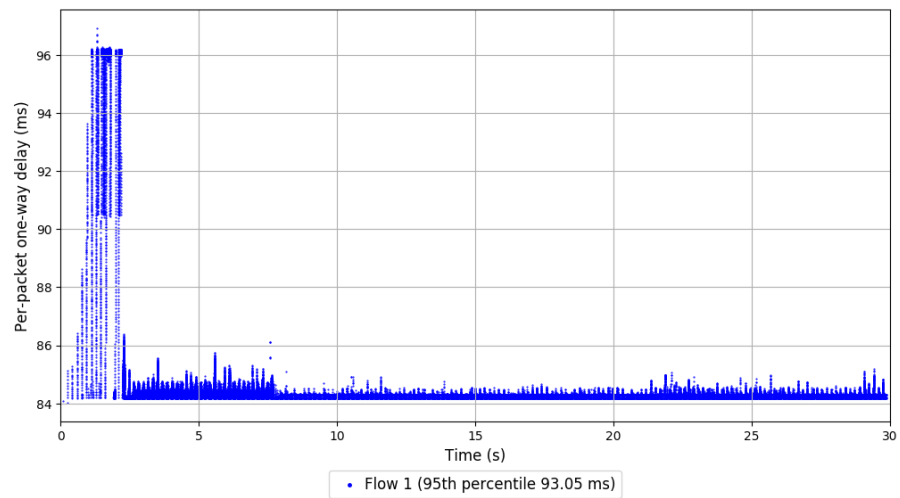
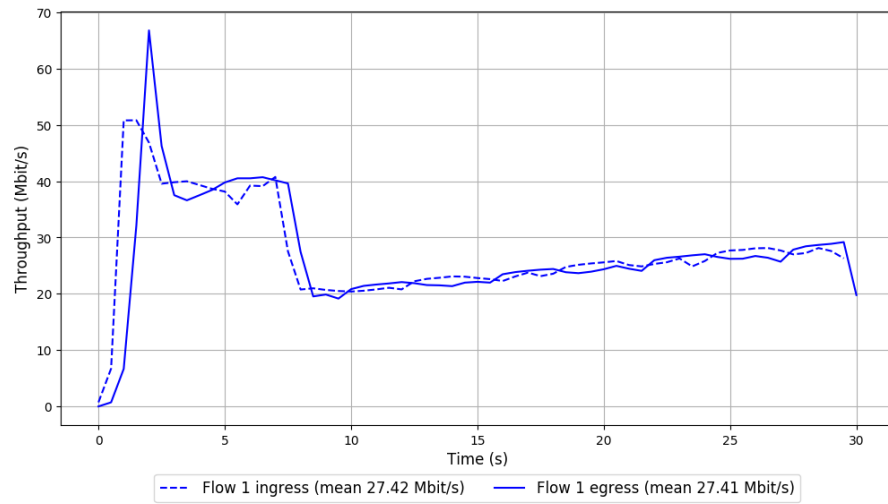
-- Flow 1:

Average throughput: 27.41 Mbit/s

95th percentile per-packet one-way delay: 93.048 ms

Loss rate: 0.61%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-04 03:27:27

End at: 2018-07-04 03:27:57

Local clock offset: -2.404 ms

Remote clock offset: 5.511 ms

Below is generated by plot.py at 2018-07-04 06:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.85 Mbit/s

95th percentile per-packet one-way delay: 85.342 ms

Loss rate: 0.34%

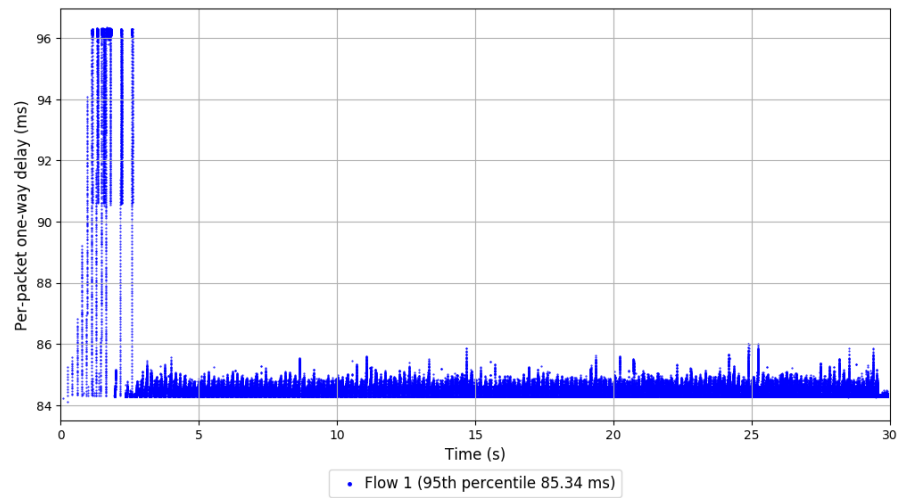
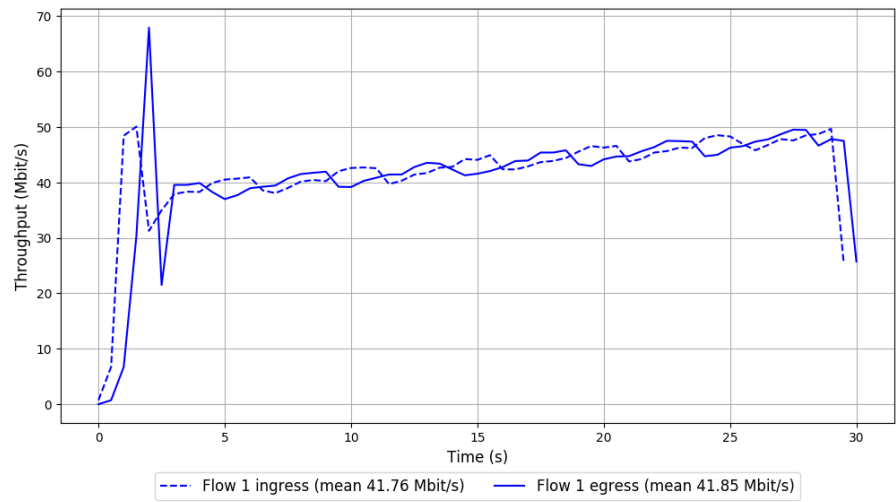
-- Flow 1:

Average throughput: 41.85 Mbit/s

95th percentile per-packet one-way delay: 85.342 ms

Loss rate: 0.34%

Run 2: Report of TCP Vegas — Data Link

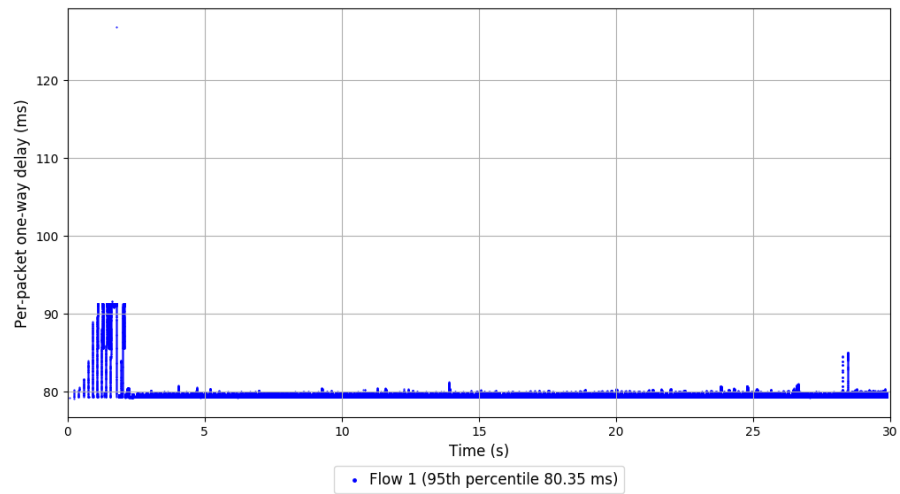
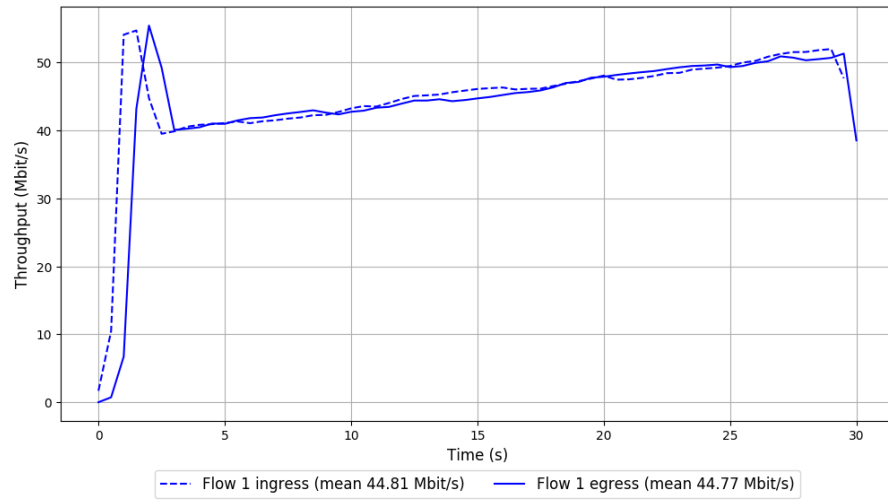


Run 3: Statistics of TCP Vegas

Start at: 2018-07-04 03:47:16
End at: 2018-07-04 03:47:46
Local clock offset: -2.556 ms
Remote clock offset: 10.108 ms

Below is generated by plot.py at 2018-07-04 06:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 80.349 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 80.349 ms
Loss rate: 0.64%

Run 3: Report of TCP Vegas — Data Link

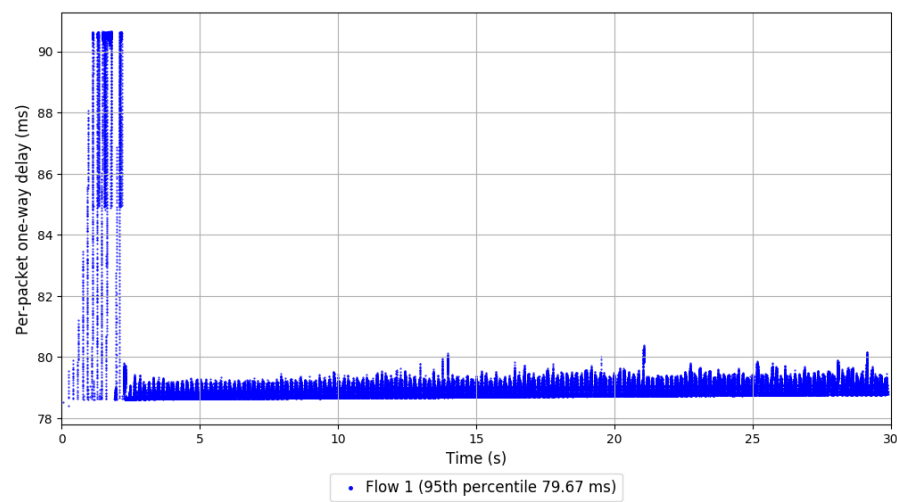
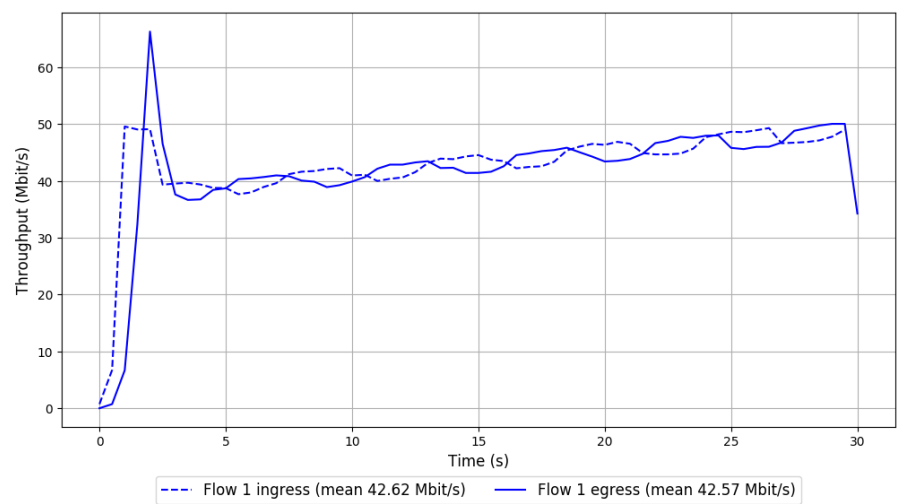


Run 4: Statistics of TCP Vegas

Start at: 2018-07-04 04:07:06
End at: 2018-07-04 04:07:36
Local clock offset: -2.572 ms
Remote clock offset: 15.654 ms

Below is generated by plot.py at 2018-07-04 06:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.57 Mbit/s
95th percentile per-packet one-way delay: 79.674 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 42.57 Mbit/s
95th percentile per-packet one-way delay: 79.674 ms
Loss rate: 0.66%

Run 4: Report of TCP Vegas — Data Link

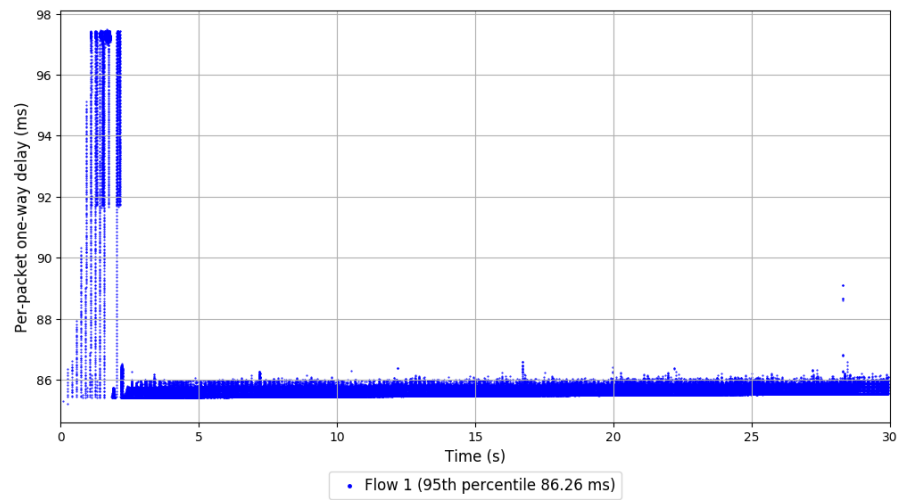
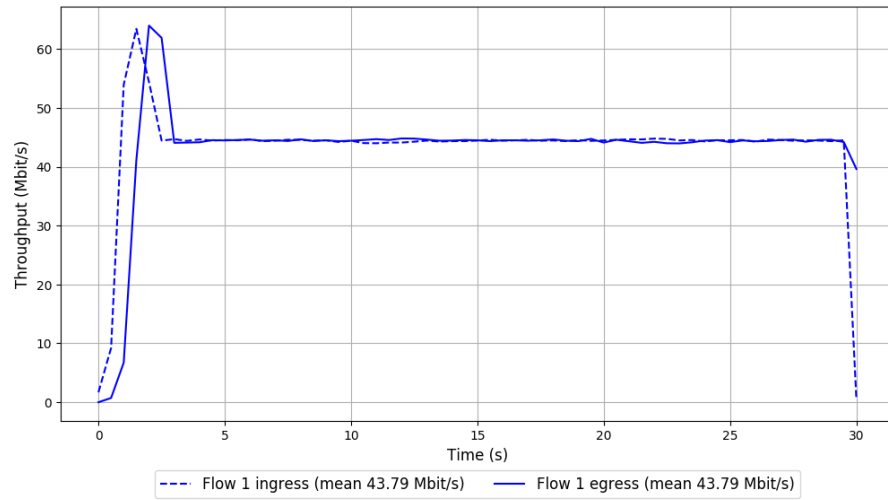


Run 5: Statistics of TCP Vegas

Start at: 2018-07-04 04:27:03
End at: 2018-07-04 04:27:33
Local clock offset: -7.221 ms
Remote clock offset: 13.743 ms

Below is generated by plot.py at 2018-07-04 06:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.79 Mbit/s
95th percentile per-packet one-way delay: 86.256 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 43.79 Mbit/s
95th percentile per-packet one-way delay: 86.256 ms
Loss rate: 0.56%

Run 5: Report of TCP Vegas — Data Link

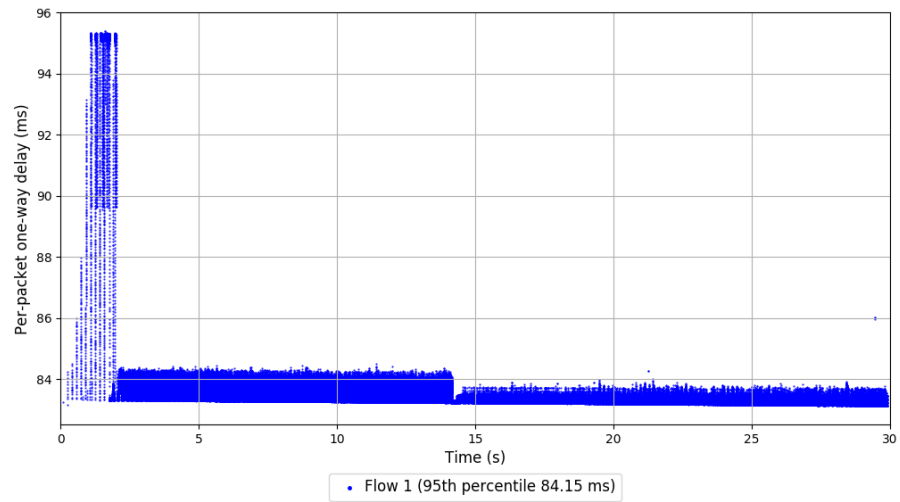
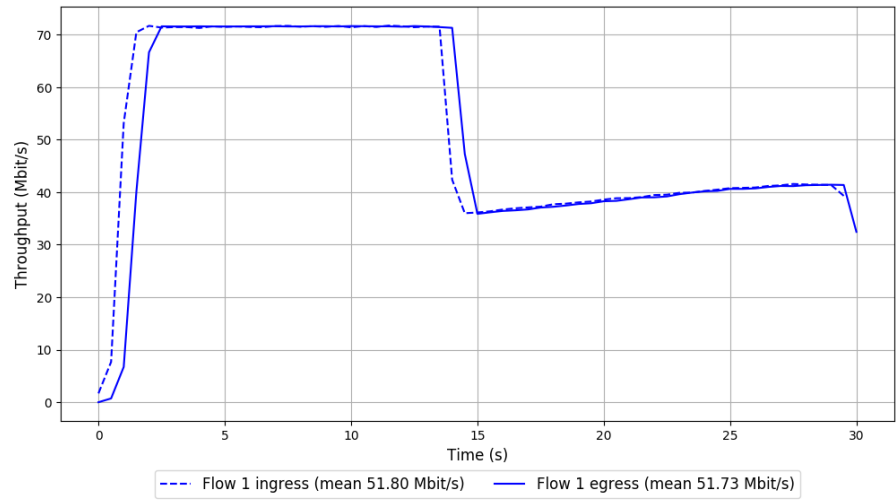


Run 6: Statistics of TCP Vegas

Start at: 2018-07-04 04:46:55
End at: 2018-07-04 04:47:25
Local clock offset: -4.649 ms
Remote clock offset: 11.919 ms

Below is generated by plot.py at 2018-07-04 06:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 84.154 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 84.154 ms
Loss rate: 0.69%

Run 6: Report of TCP Vegas — Data Link

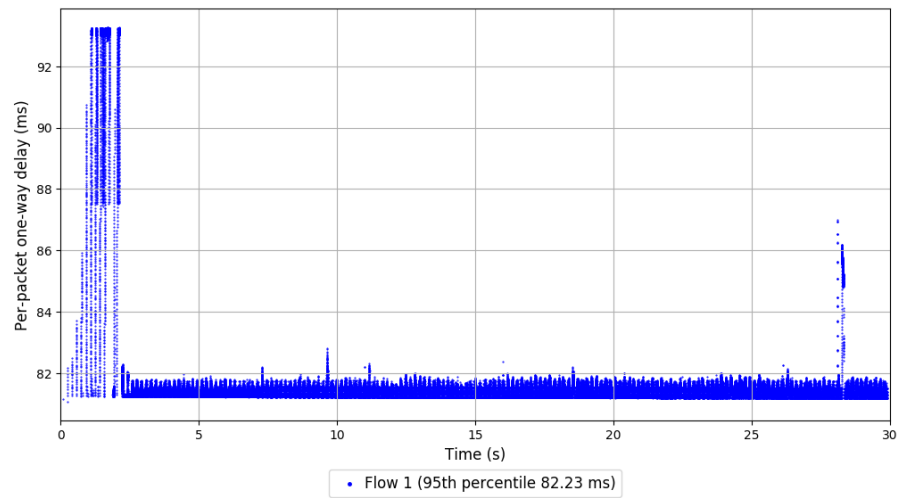
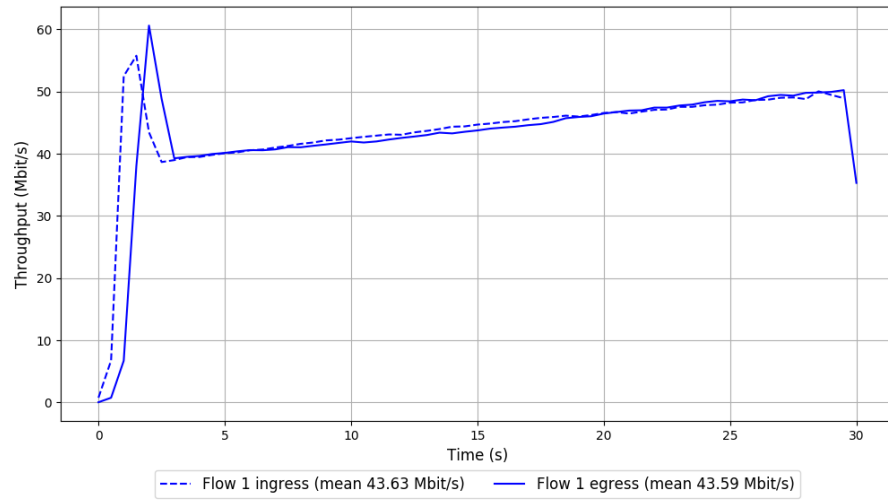


Run 7: Statistics of TCP Vegas

Start at: 2018-07-04 05:06:46
End at: 2018-07-04 05:07:16
Local clock offset: -1.272 ms
Remote clock offset: 12.076 ms

Below is generated by plot.py at 2018-07-04 06:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.59 Mbit/s
95th percentile per-packet one-way delay: 82.235 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 43.59 Mbit/s
95th percentile per-packet one-way delay: 82.235 ms
Loss rate: 0.64%

Run 7: Report of TCP Vegas — Data Link

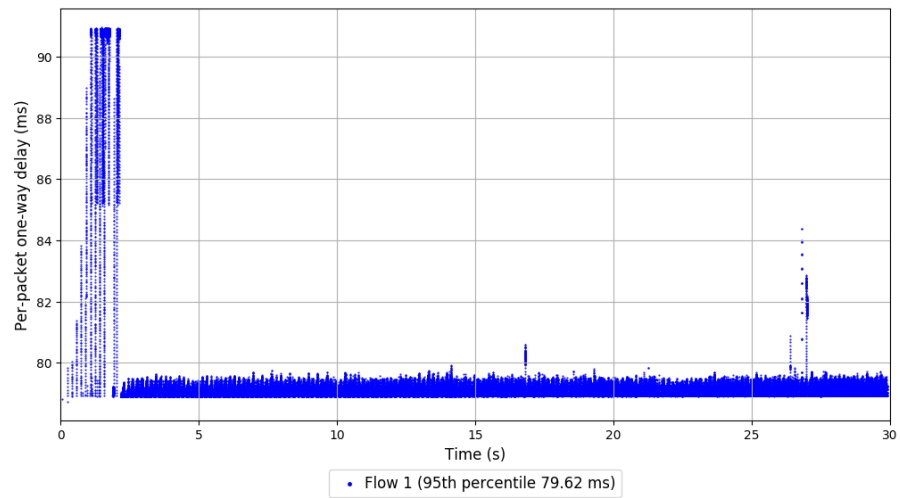
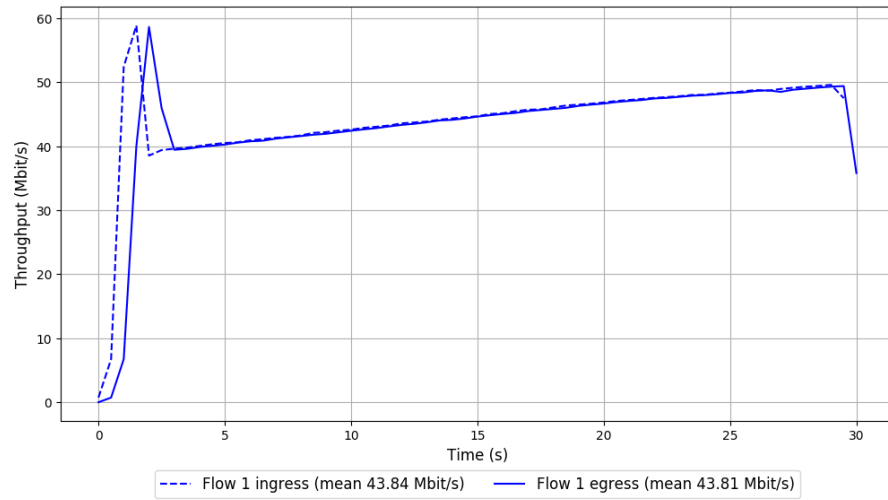


Run 8: Statistics of TCP Vegas

Start at: 2018-07-04 05:26:36
End at: 2018-07-04 05:27:06
Local clock offset: -1.557 ms
Remote clock offset: 17.088 ms

Below is generated by plot.py at 2018-07-04 06:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.81 Mbit/s
95th percentile per-packet one-way delay: 79.619 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 43.81 Mbit/s
95th percentile per-packet one-way delay: 79.619 ms
Loss rate: 0.63%

Run 8: Report of TCP Vegas — Data Link

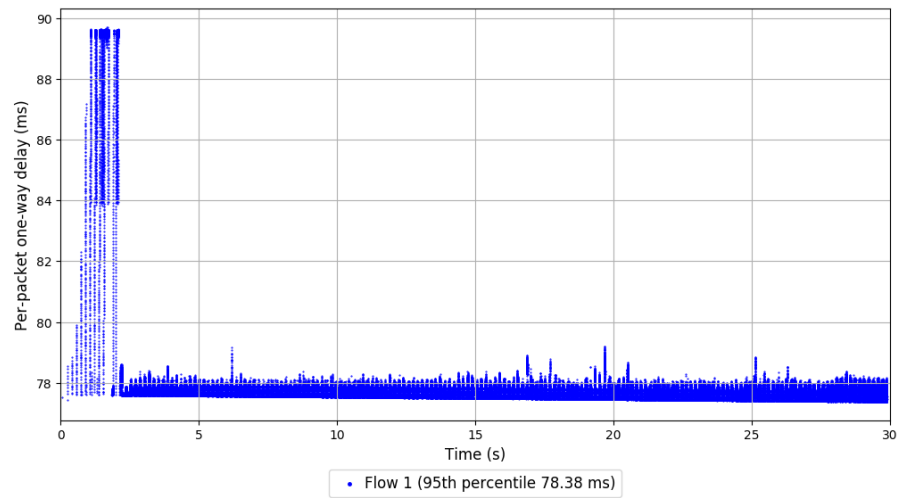
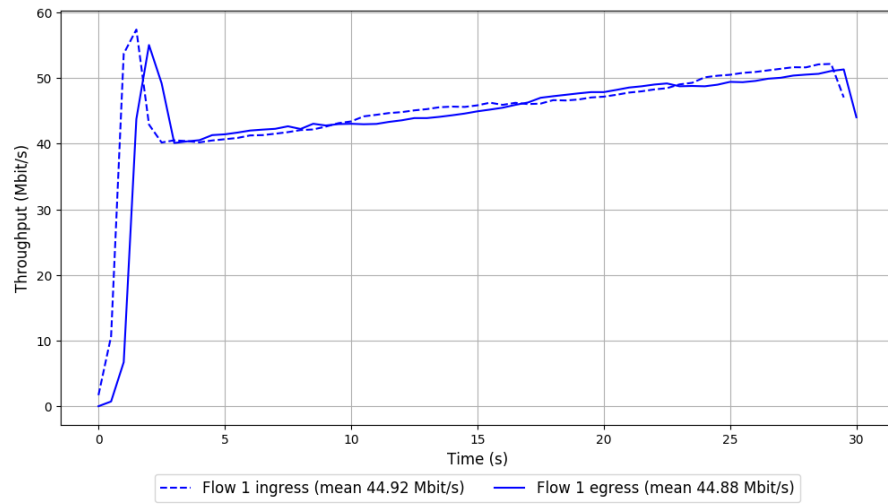


Run 9: Statistics of TCP Vegas

Start at: 2018-07-04 05:46:28
End at: 2018-07-04 05:46:58
Local clock offset: -1.704 ms
Remote clock offset: 11.276 ms

Below is generated by plot.py at 2018-07-04 06:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 78.382 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 78.382 ms
Loss rate: 0.63%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-04 06:06:22

End at: 2018-07-04 06:06:52

Local clock offset: -1.77 ms

Remote clock offset: 0.975 ms

Below is generated by plot.py at 2018-07-04 06:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.54 Mbit/s

95th percentile per-packet one-way delay: 91.694 ms

Loss rate: 0.67%

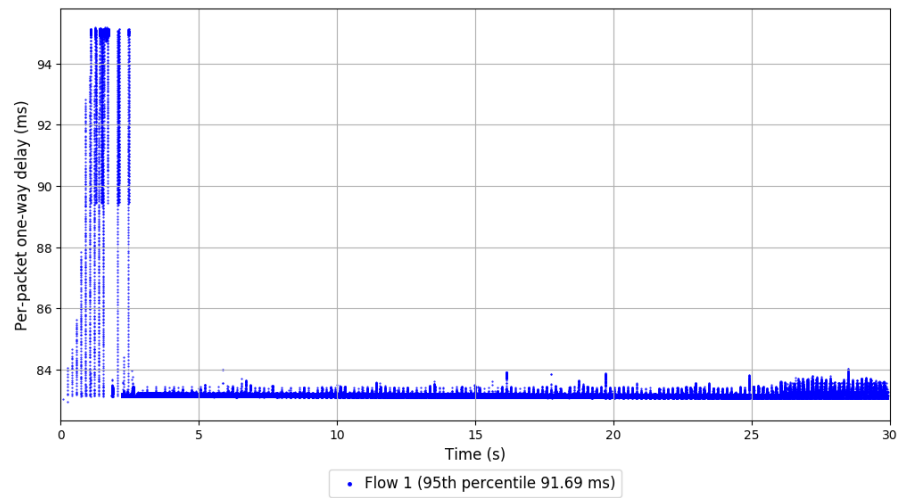
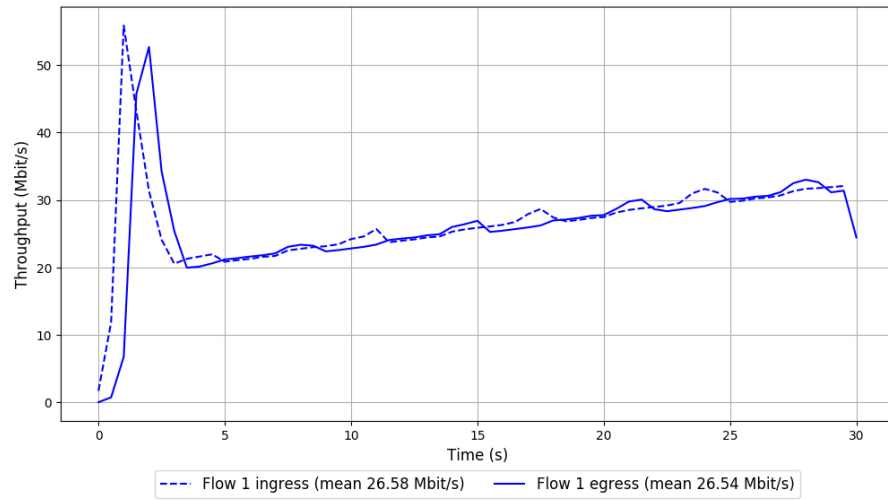
-- Flow 1:

Average throughput: 26.54 Mbit/s

95th percentile per-packet one-way delay: 91.694 ms

Loss rate: 0.67%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-04 03:05:19

End at: 2018-07-04 03:05:49

Local clock offset: -1.737 ms

Remote clock offset: 5.216 ms

Below is generated by plot.py at 2018-07-04 06:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.73 Mbit/s

95th percentile per-packet one-way delay: 93.469 ms

Loss rate: 0.12%

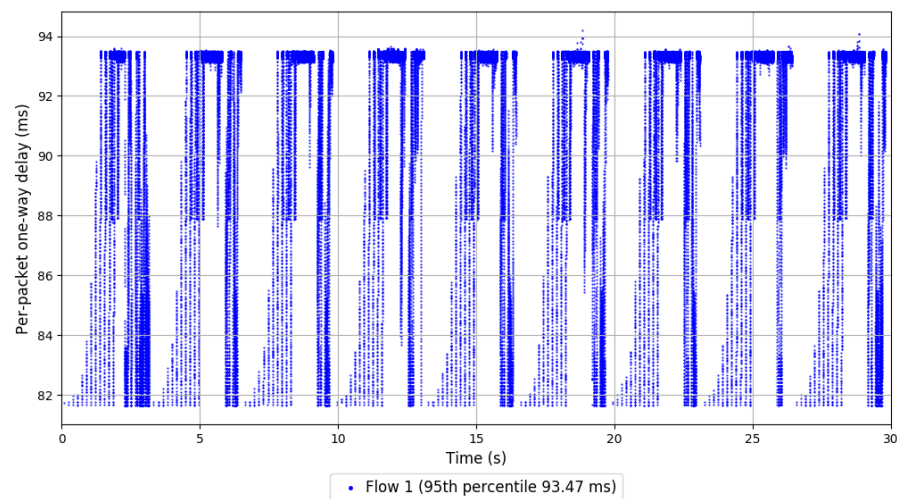
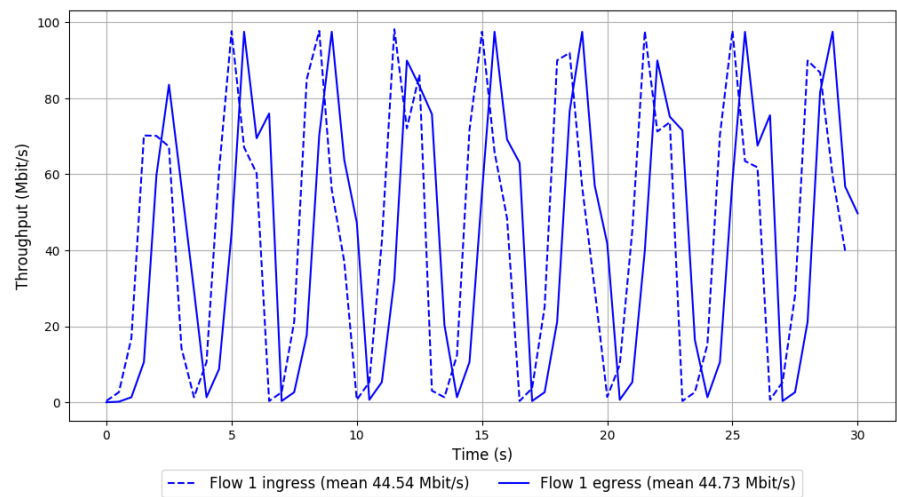
-- Flow 1:

Average throughput: 44.73 Mbit/s

95th percentile per-packet one-way delay: 93.469 ms

Loss rate: 0.12%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-04 03:25:07

End at: 2018-07-04 03:25:37

Local clock offset: -2.377 ms

Remote clock offset: 4.546 ms

Below is generated by plot.py at 2018-07-04 06:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.76 Mbit/s

95th percentile per-packet one-way delay: 94.350 ms

Loss rate: 8.93%

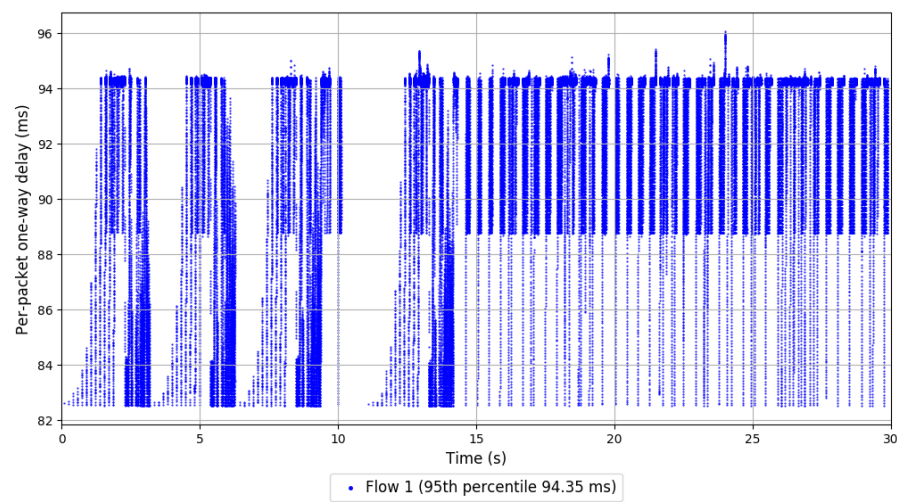
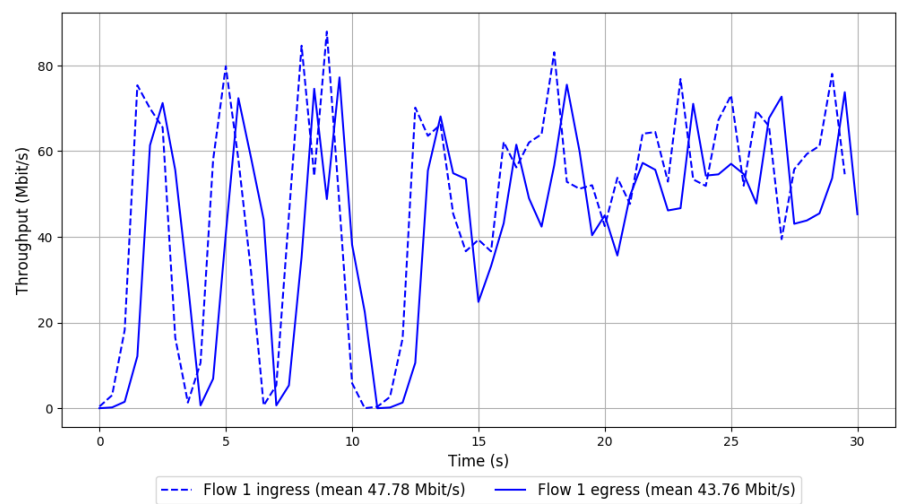
-- Flow 1:

Average throughput: 43.76 Mbit/s

95th percentile per-packet one-way delay: 94.350 ms

Loss rate: 8.93%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-04 03:44:56

End at: 2018-07-04 03:45:26

Local clock offset: -2.541 ms

Remote clock offset: 5.17 ms

Below is generated by plot.py at 2018-07-04 06:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.96 Mbit/s

95th percentile per-packet one-way delay: 96.054 ms

Loss rate: 1.40%

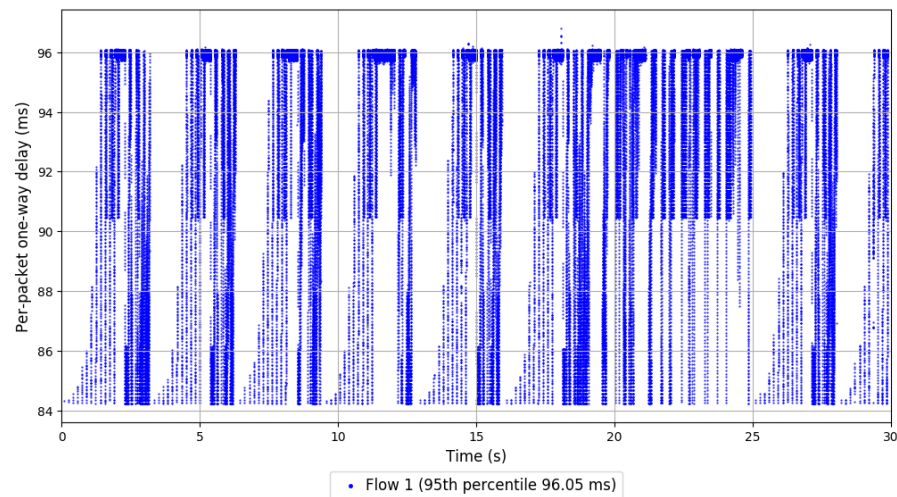
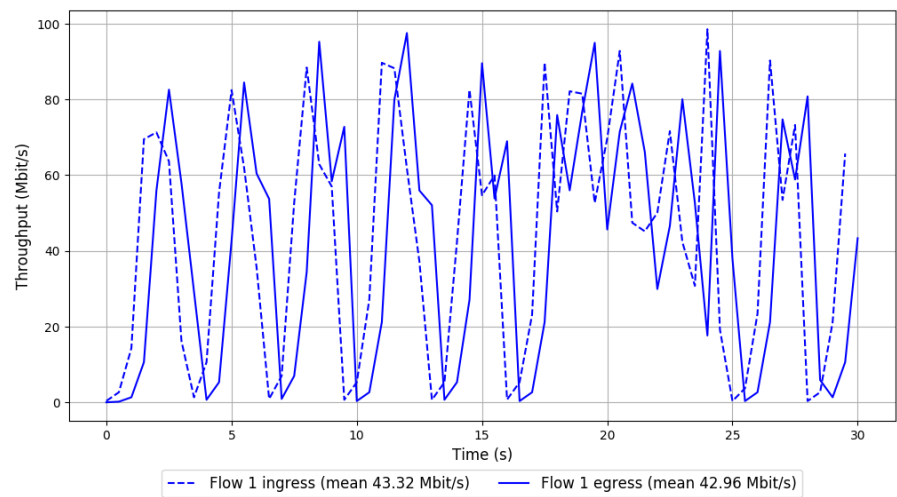
-- Flow 1:

Average throughput: 42.96 Mbit/s

95th percentile per-packet one-way delay: 96.054 ms

Loss rate: 1.40%

Run 3: Report of Verus — Data Link

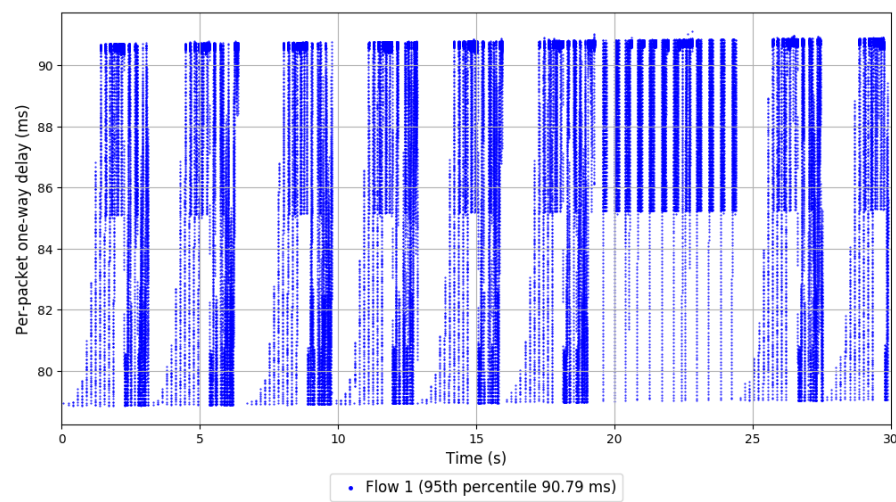
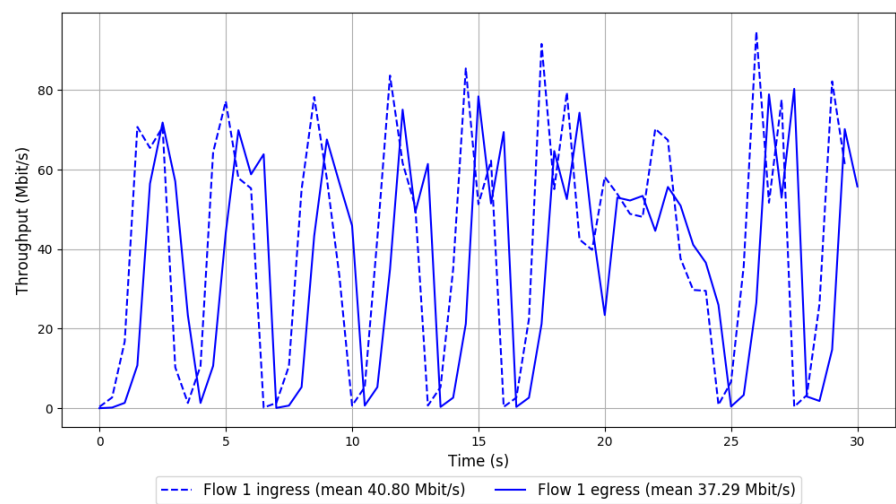


Run 4: Statistics of Verus

Start at: 2018-07-04 04:04:46
End at: 2018-07-04 04:05:16
Local clock offset: -2.594 ms
Remote clock offset: 12.513 ms

Below is generated by plot.py at 2018-07-04 06:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 90.790 ms
Loss rate: 8.87%
-- Flow 1:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 90.790 ms
Loss rate: 8.87%

Run 4: Report of Verus — Data Link

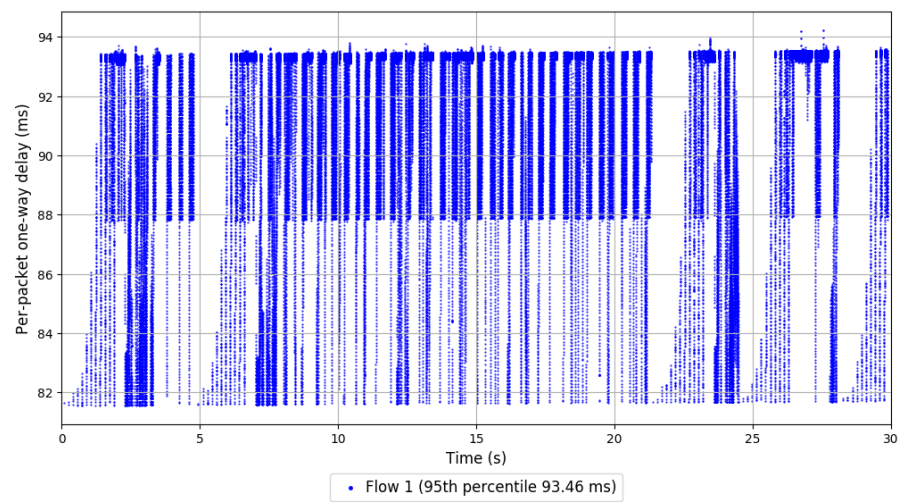
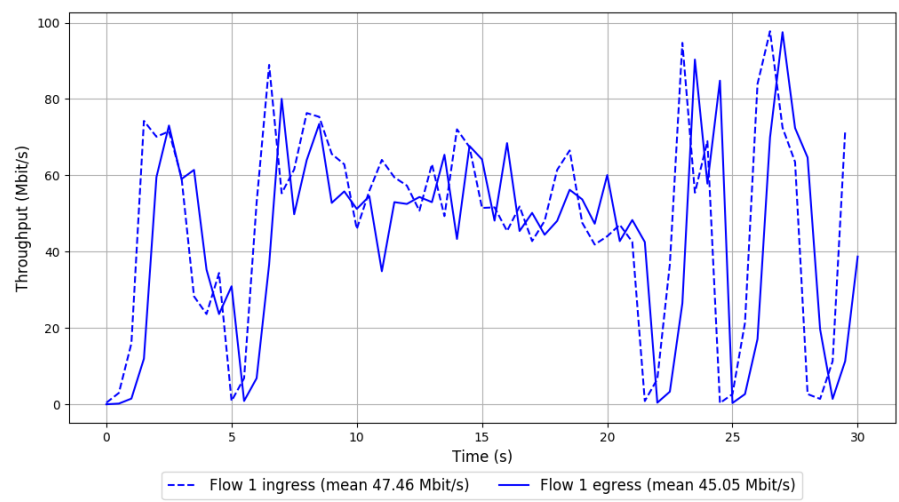


Run 5: Statistics of Verus

Start at: 2018-07-04 04:24:43
End at: 2018-07-04 04:25:13
Local clock offset: -6.817 ms
Remote clock offset: 14.492 ms

Below is generated by plot.py at 2018-07-04 06:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 93.459 ms
Loss rate: 5.69%
-- Flow 1:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 93.459 ms
Loss rate: 5.69%

Run 5: Report of Verus — Data Link

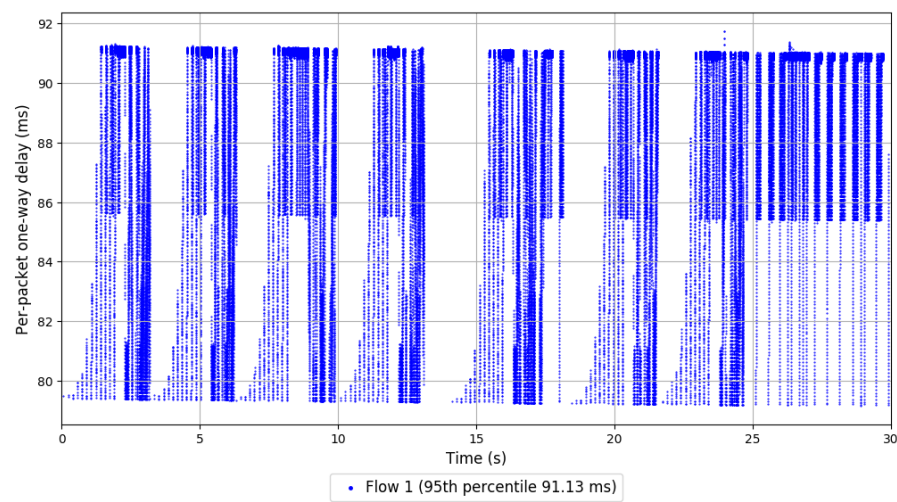
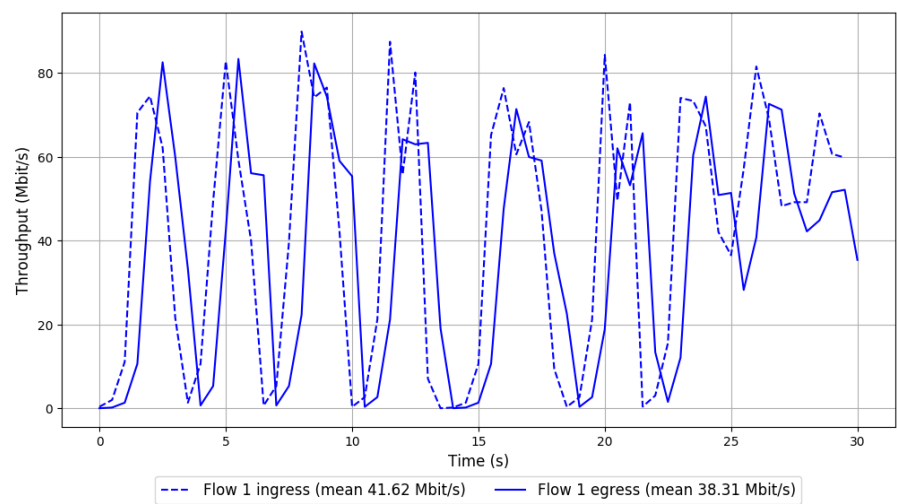


Run 6: Statistics of Verus

Start at: 2018-07-04 04:44:35
End at: 2018-07-04 04:45:05
Local clock offset: -5.721 ms
Remote clock offset: 15.861 ms

Below is generated by plot.py at 2018-07-04 06:27:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 91.128 ms
Loss rate: 8.46%
-- Flow 1:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 91.128 ms
Loss rate: 8.46%

Run 6: Report of Verus — Data Link

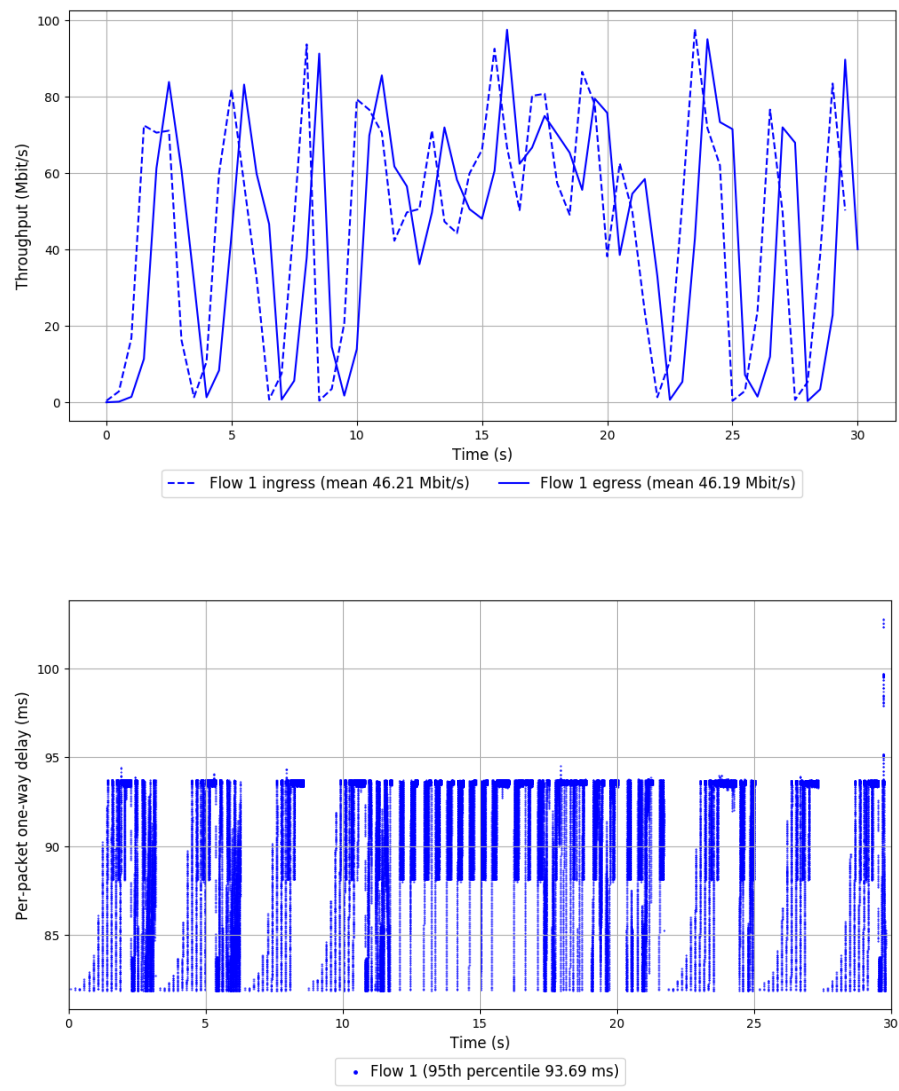


Run 7: Statistics of Verus

Start at: 2018-07-04 05:04:25
End at: 2018-07-04 05:04:55
Local clock offset: -1.366 ms
Remote clock offset: 12.101 ms

Below is generated by plot.py at 2018-07-04 06:27:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.19 Mbit/s
95th percentile per-packet one-way delay: 93.688 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 46.19 Mbit/s
95th percentile per-packet one-way delay: 93.688 ms
Loss rate: 0.84%

Run 7: Report of Verus — Data Link

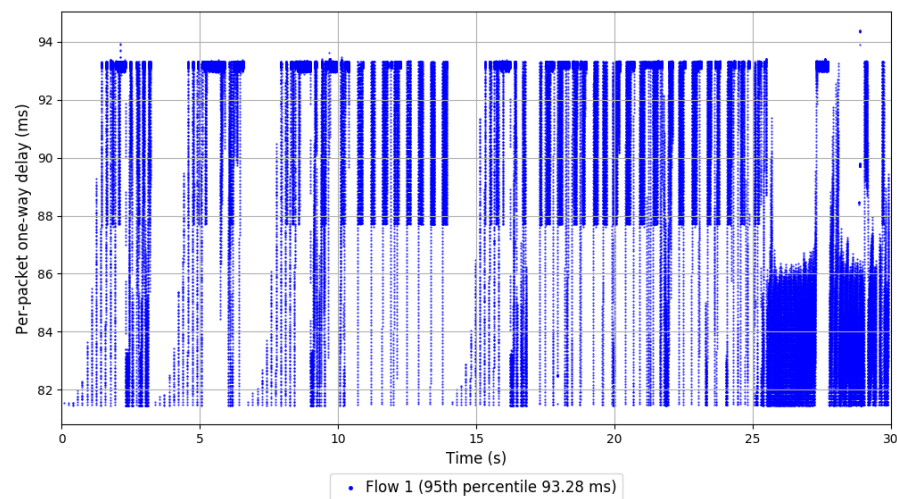
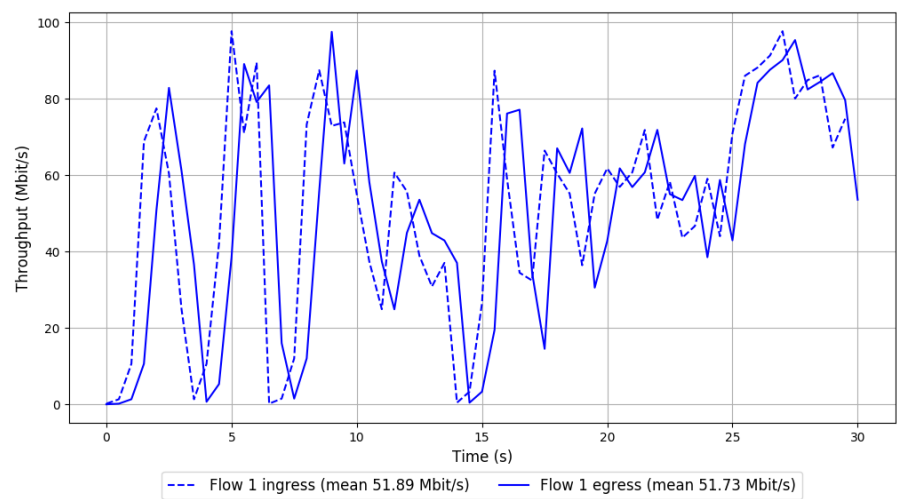


Run 8: Statistics of Verus

Start at: 2018-07-04 05:24:16
End at: 2018-07-04 05:24:46
Local clock offset: -1.561 ms
Remote clock offset: 14.864 ms

Below is generated by plot.py at 2018-07-04 06:28:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 93.282 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 93.282 ms
Loss rate: 0.83%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-04 05:44:08

End at: 2018-07-04 05:44:38

Local clock offset: -1.533 ms

Remote clock offset: 8.563 ms

Below is generated by plot.py at 2018-07-04 06:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 93.050 ms

Loss rate: 0.10%

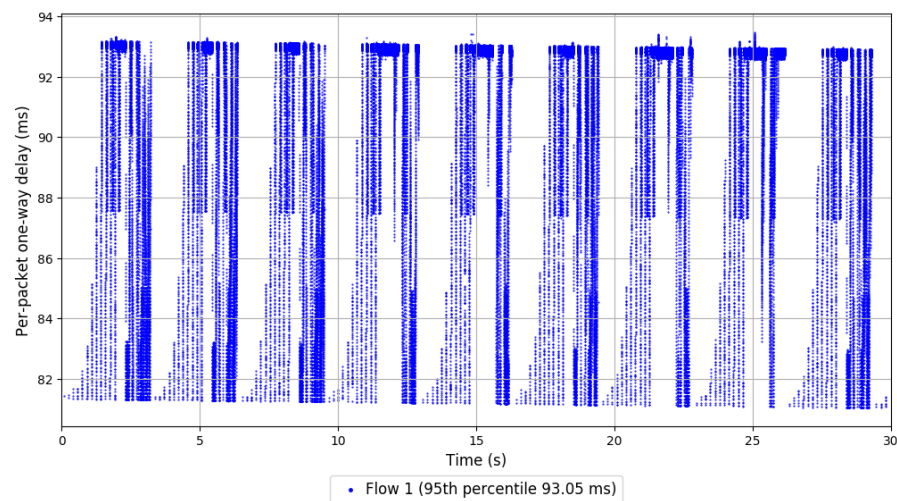
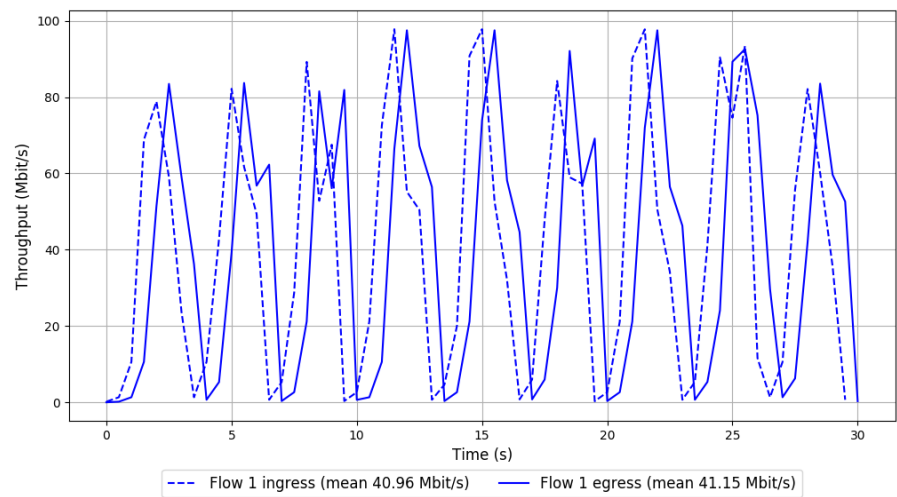
-- Flow 1:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 93.050 ms

Loss rate: 0.10%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-04 06:04:02

End at: 2018-07-04 06:04:32

Local clock offset: -1.811 ms

Remote clock offset: 7.44 ms

Below is generated by plot.py at 2018-07-04 06:28:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.37 Mbit/s

95th percentile per-packet one-way delay: 90.875 ms

Loss rate: 1.12%

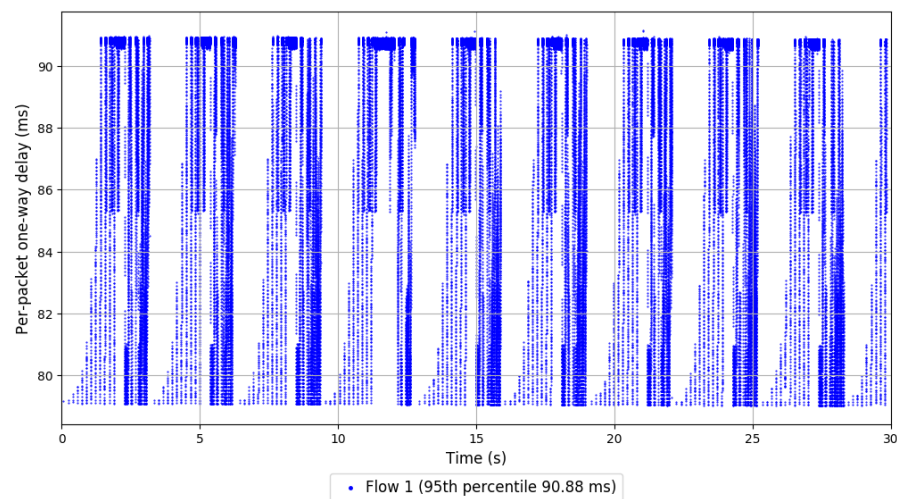
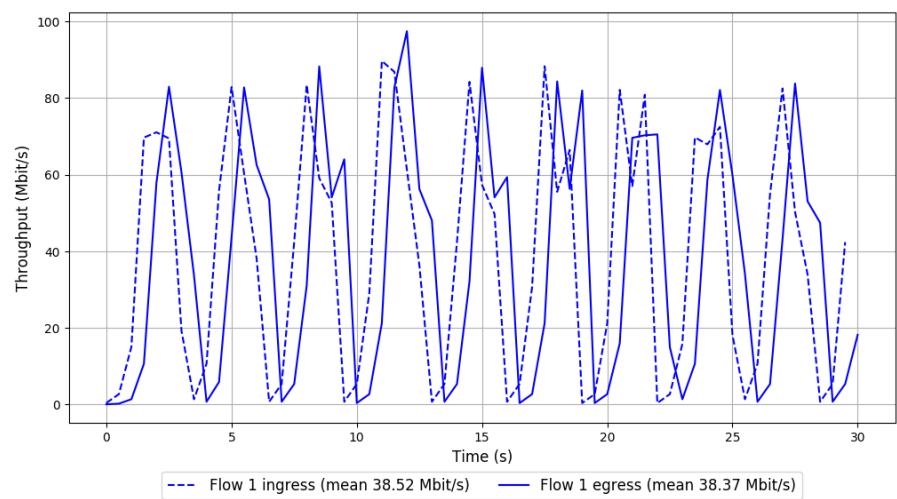
-- Flow 1:

Average throughput: 38.37 Mbit/s

95th percentile per-packet one-way delay: 90.875 ms

Loss rate: 1.12%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-04 03:01:50

End at: 2018-07-04 03:02:20

Local clock offset: -1.941 ms

Remote clock offset: 8.921 ms

Below is generated by plot.py at 2018-07-04 06:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.01 Mbit/s

95th percentile per-packet one-way delay: 81.231 ms

Loss rate: 0.69%

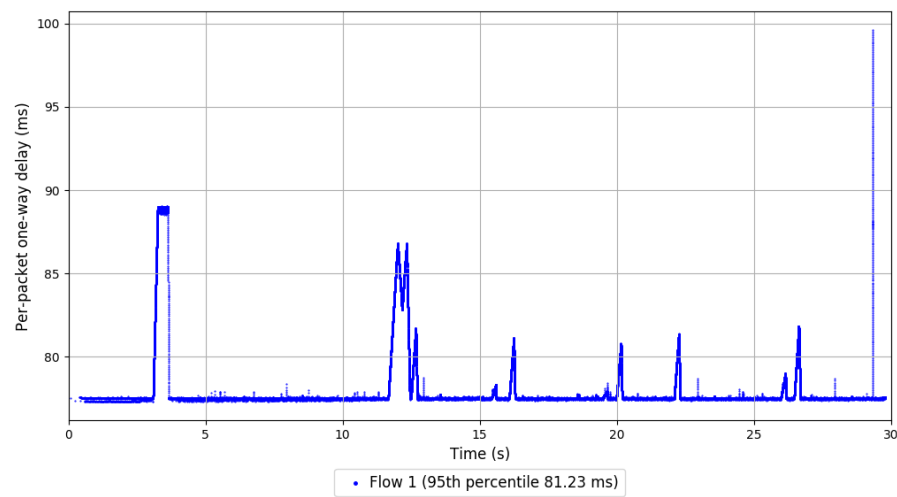
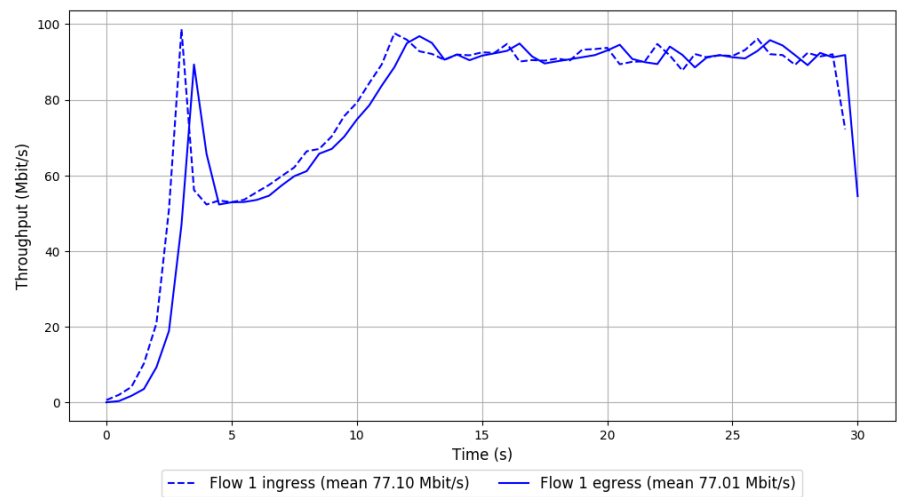
-- Flow 1:

Average throughput: 77.01 Mbit/s

95th percentile per-packet one-way delay: 81.231 ms

Loss rate: 0.69%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-04 03:21:38

End at: 2018-07-04 03:22:08

Local clock offset: -2.284 ms

Remote clock offset: 4.786 ms

Below is generated by plot.py at 2018-07-04 06:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 94.004 ms

Loss rate: 0.76%

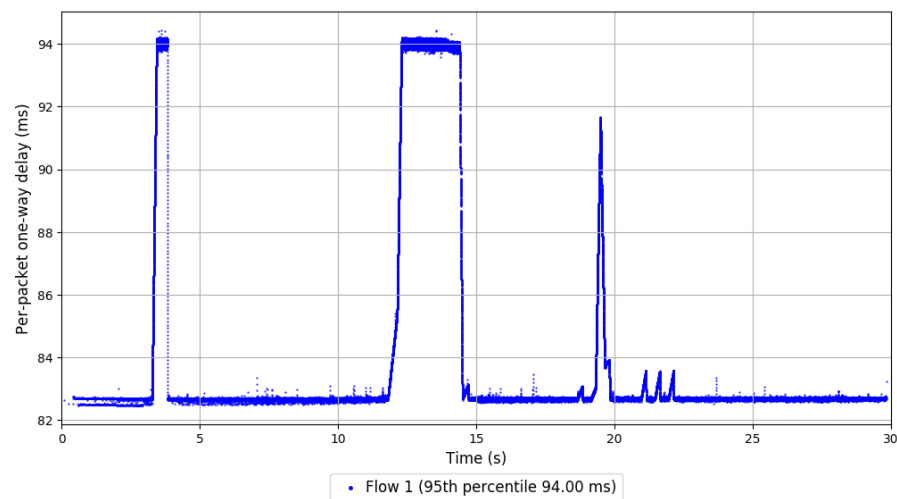
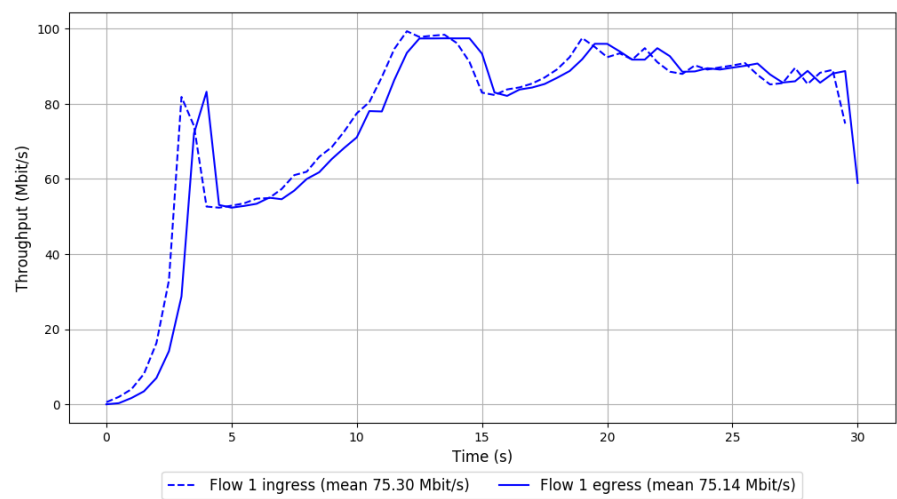
-- Flow 1:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 94.004 ms

Loss rate: 0.76%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-04 03:41:27

End at: 2018-07-04 03:41:57

Local clock offset: -2.462 ms

Remote clock offset: 5.182 ms

Below is generated by plot.py at 2018-07-04 06:28:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.41 Mbit/s

95th percentile per-packet one-way delay: 92.583 ms

Loss rate: 0.75%

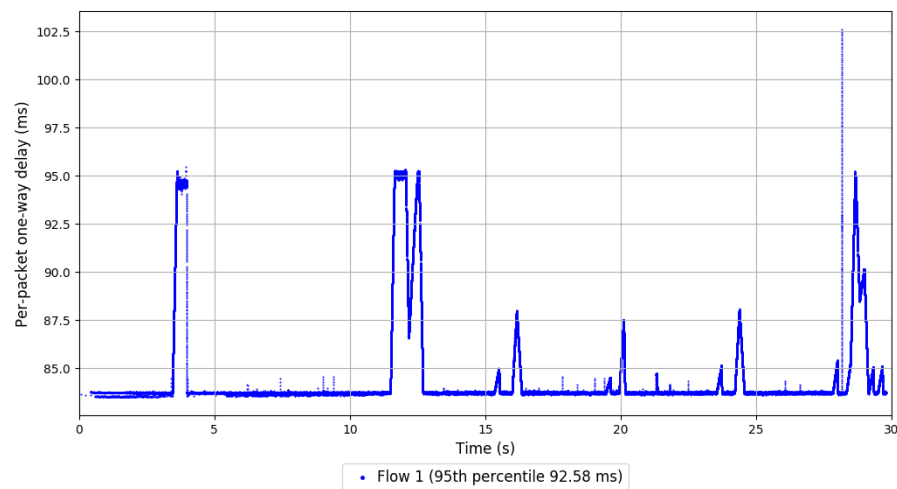
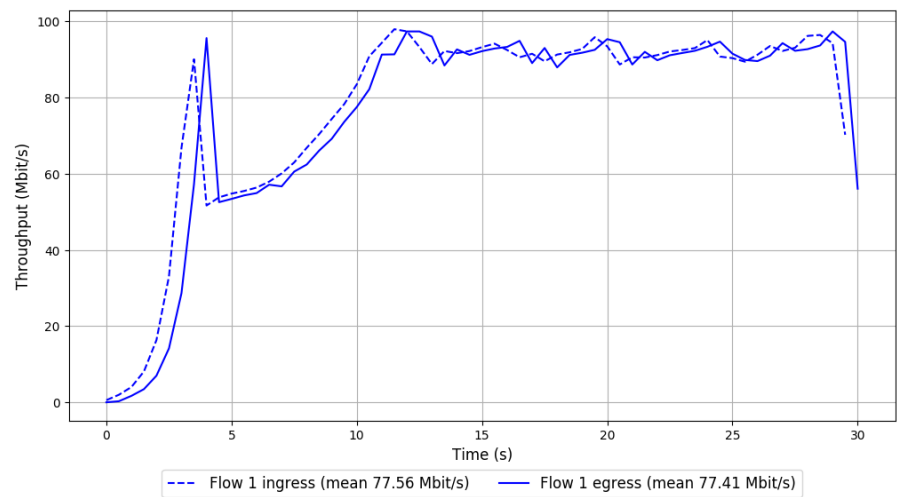
-- Flow 1:

Average throughput: 77.41 Mbit/s

95th percentile per-packet one-way delay: 92.583 ms

Loss rate: 0.75%

Run 3: Report of PCC-Vivace — Data Link

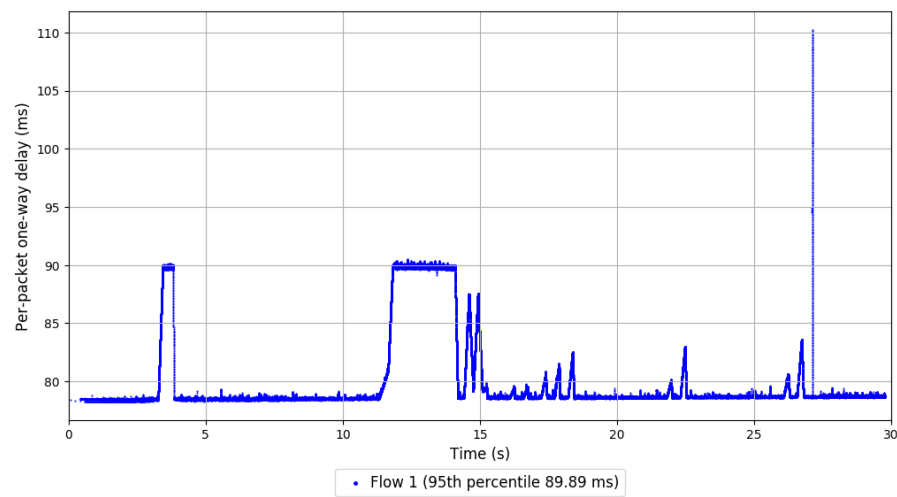
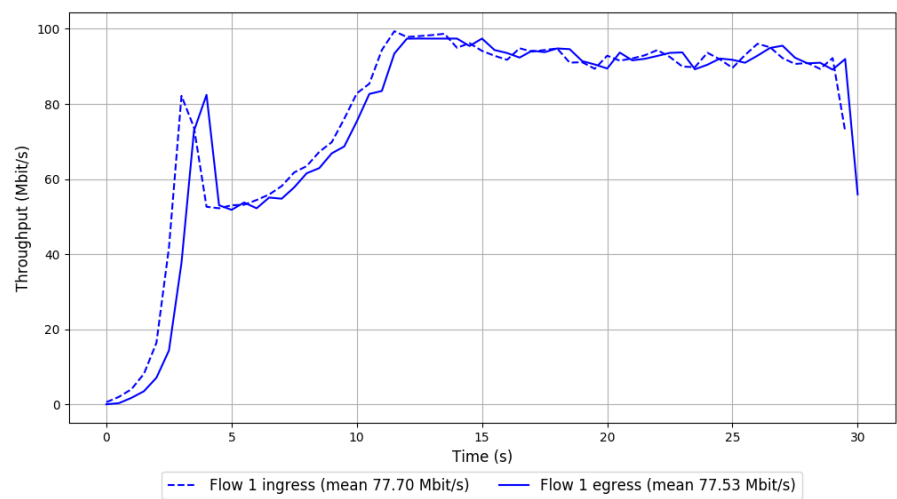


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-04 04:01:17
End at: 2018-07-04 04:01:47
Local clock offset: -2.591 ms
Remote clock offset: 12.978 ms

Below is generated by plot.py at 2018-07-04 06:28:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 89.887 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 89.887 ms
Loss rate: 0.77%

Run 4: Report of PCC-Vivace — Data Link

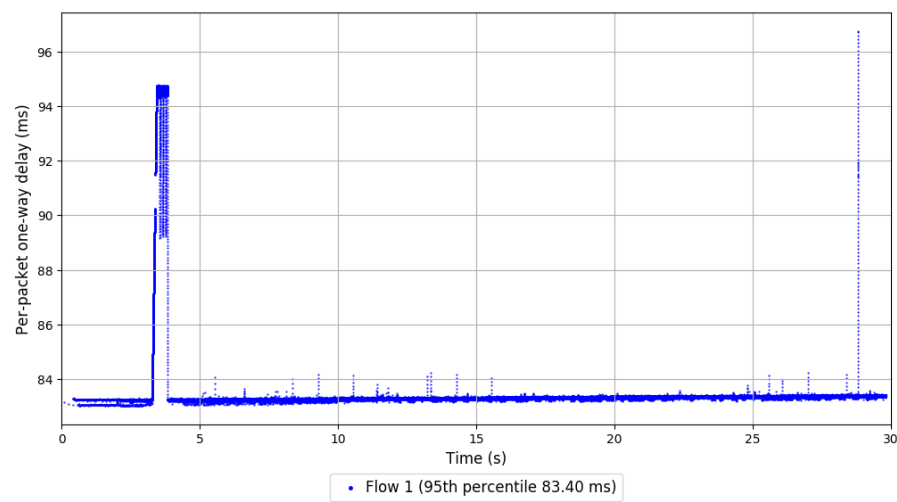
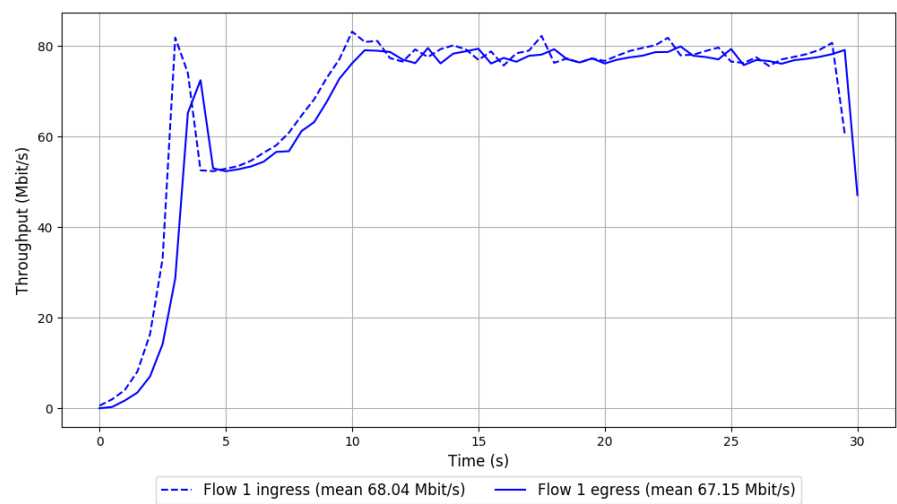


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-04 04:21:14
End at: 2018-07-04 04:21:44
Local clock offset: -6.217 ms
Remote clock offset: 12.888 ms

Below is generated by plot.py at 2018-07-04 06:28:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 83.402 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 83.402 ms
Loss rate: 1.85%

Run 5: Report of PCC-Vivace — Data Link

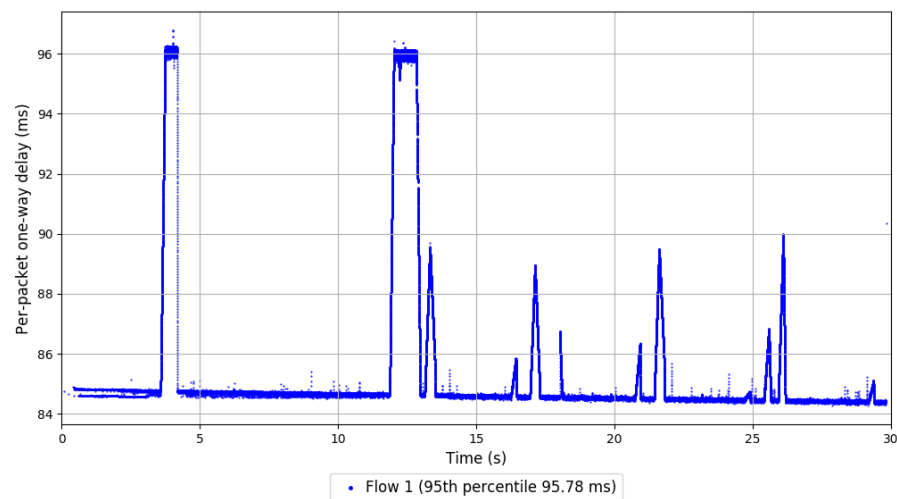
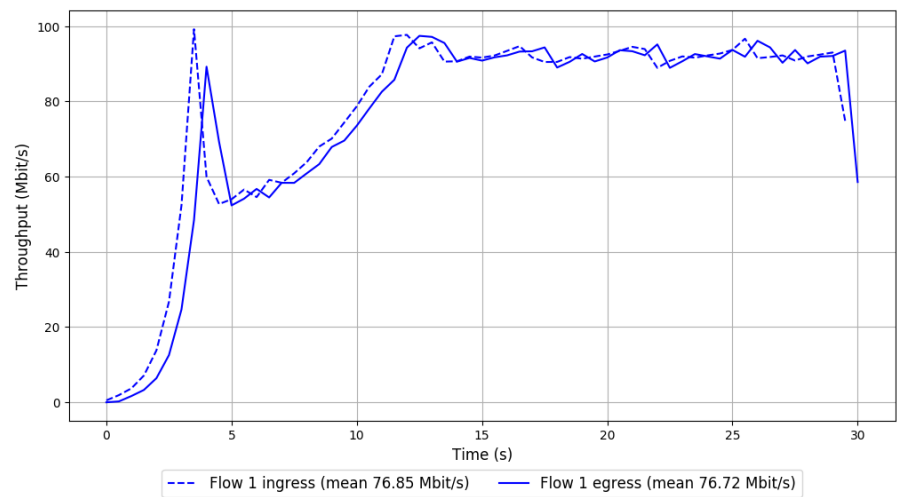


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-04 04:41:05
End at: 2018-07-04 04:41:35
Local clock offset: -7.883 ms
Remote clock offset: 11.251 ms

Below is generated by plot.py at 2018-07-04 06:29:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.72 Mbit/s
95th percentile per-packet one-way delay: 95.782 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 76.72 Mbit/s
95th percentile per-packet one-way delay: 95.782 ms
Loss rate: 0.70%

Run 6: Report of PCC-Vivace — Data Link

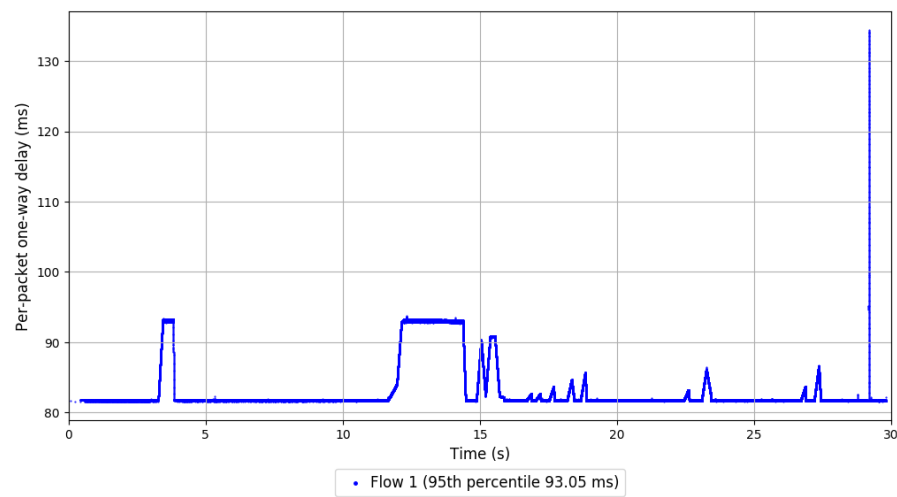
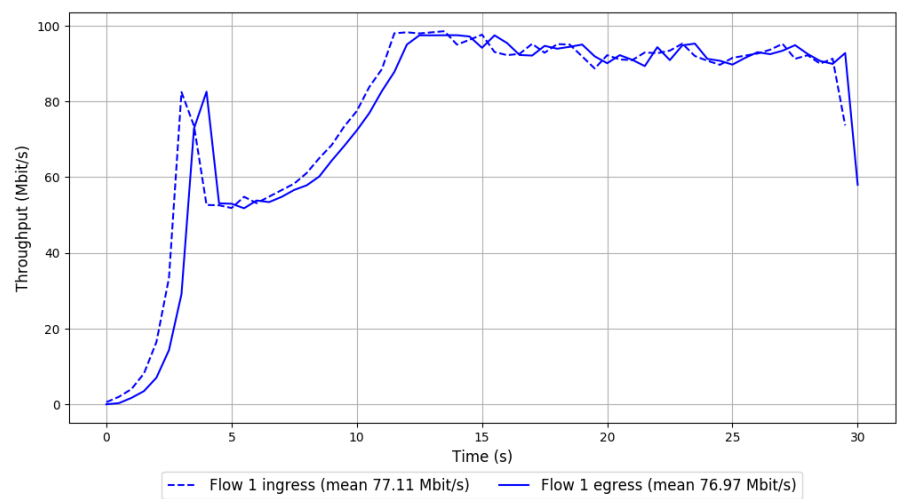


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-04 05:00:56
End at: 2018-07-04 05:01:26
Local clock offset: -1.693 ms
Remote clock offset: 11.827 ms

Below is generated by plot.py at 2018-07-04 06:29:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.97 Mbit/s
95th percentile per-packet one-way delay: 93.054 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 76.97 Mbit/s
95th percentile per-packet one-way delay: 93.054 ms
Loss rate: 0.73%

Run 7: Report of PCC-Vivace — Data Link

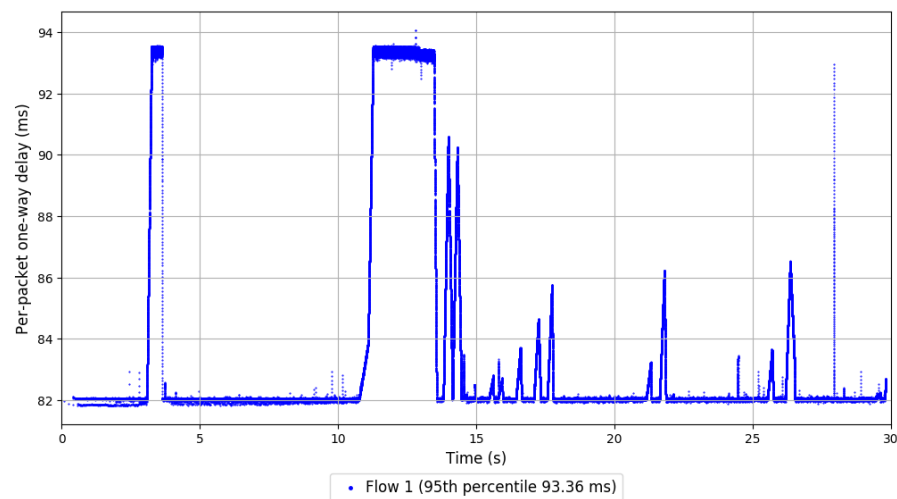
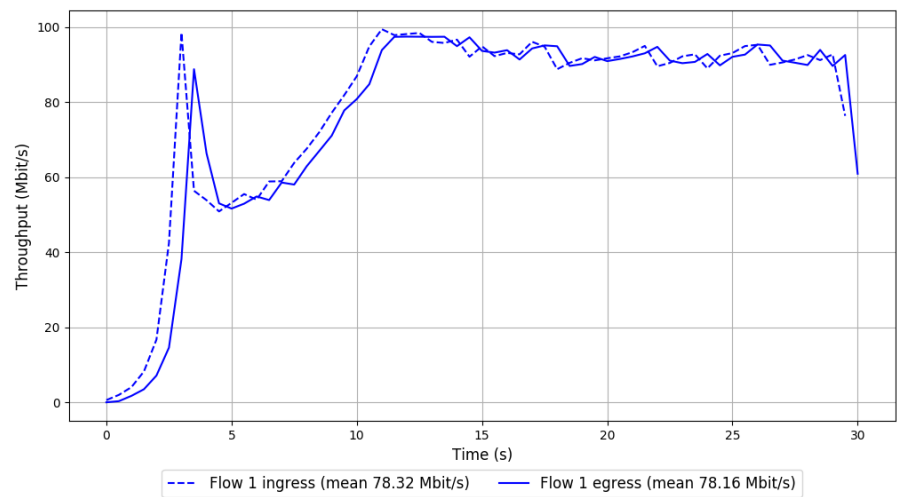


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-04 05:20:47
End at: 2018-07-04 05:21:17
Local clock offset: -1.463 ms
Remote clock offset: 11.926 ms

Below is generated by plot.py at 2018-07-04 06:29:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 93.357 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 93.357 ms
Loss rate: 0.75%

Run 8: Report of PCC-Vivace — Data Link

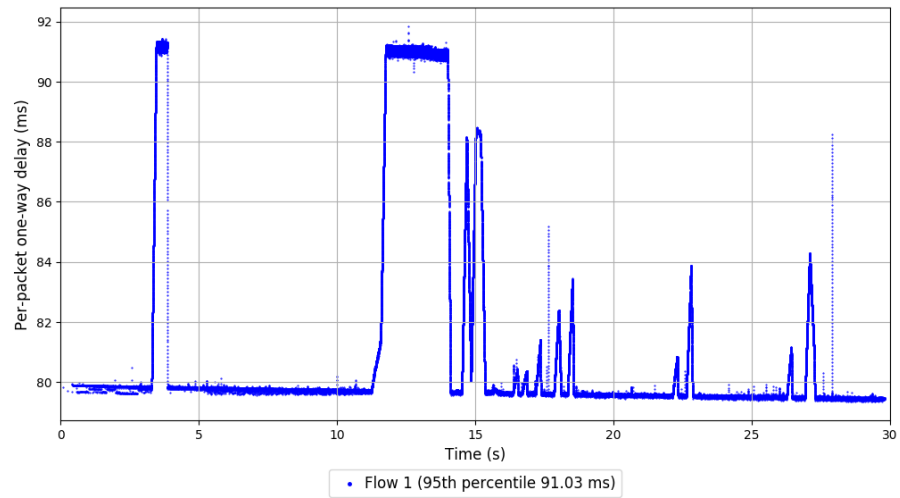
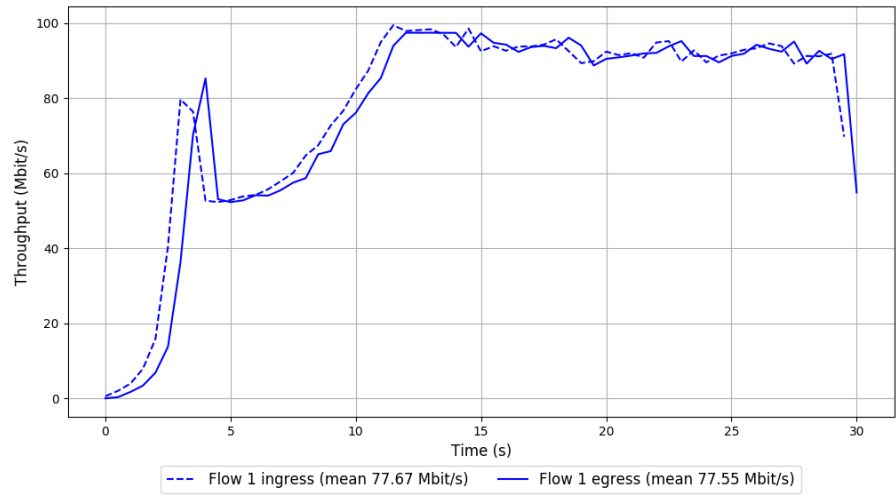


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-04 05:40:39
End at: 2018-07-04 05:41:09
Local clock offset: -1.341 ms
Remote clock offset: 15.436 ms

Below is generated by plot.py at 2018-07-04 06:29:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 91.026 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 91.026 ms
Loss rate: 0.72%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-04 06:00:32

End at: 2018-07-04 06:01:02

Local clock offset: -1.758 ms

Remote clock offset: 1.884 ms

Below is generated by plot.py at 2018-07-04 06:29:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.55 Mbit/s

95th percentile per-packet one-way delay: 89.689 ms

Loss rate: 0.66%

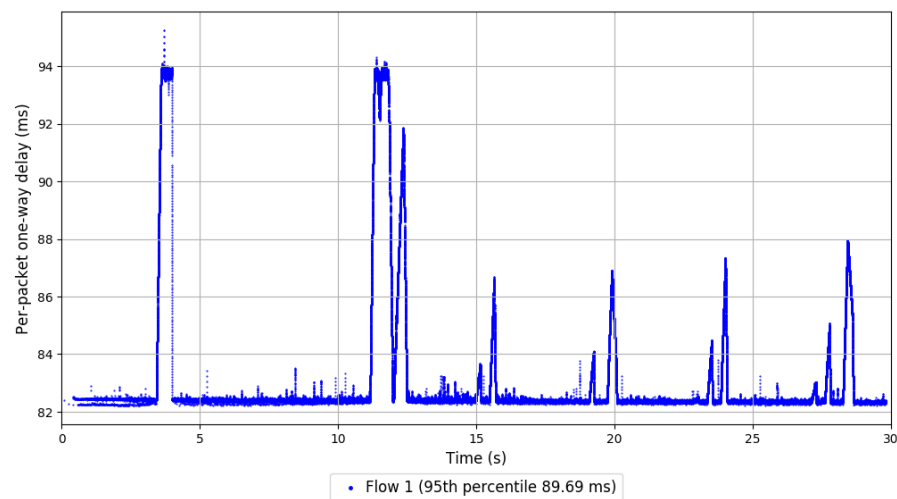
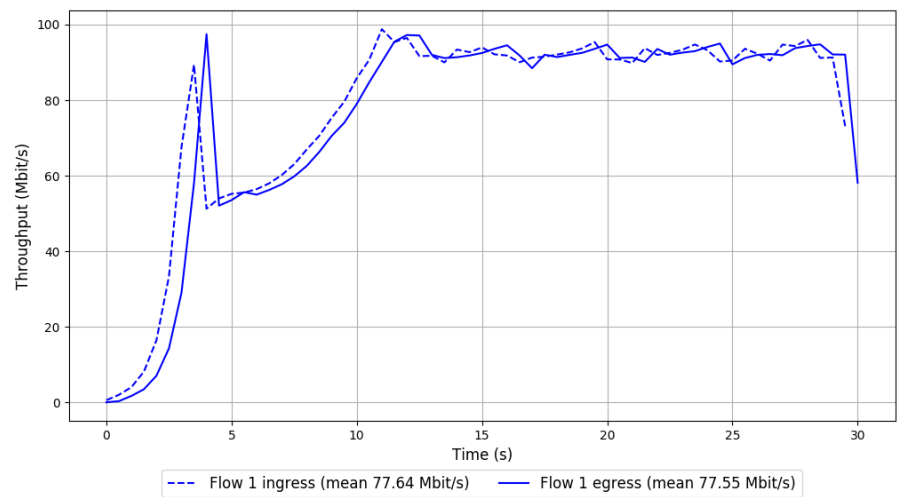
-- Flow 1:

Average throughput: 77.55 Mbit/s

95th percentile per-packet one-way delay: 89.689 ms

Loss rate: 0.66%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-04 03:00:43

End at: 2018-07-04 03:01:13

Local clock offset: -2.048 ms

Remote clock offset: 3.864 ms

Below is generated by plot.py at 2018-07-04 06:29:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 85.307 ms

Loss rate: 0.35%

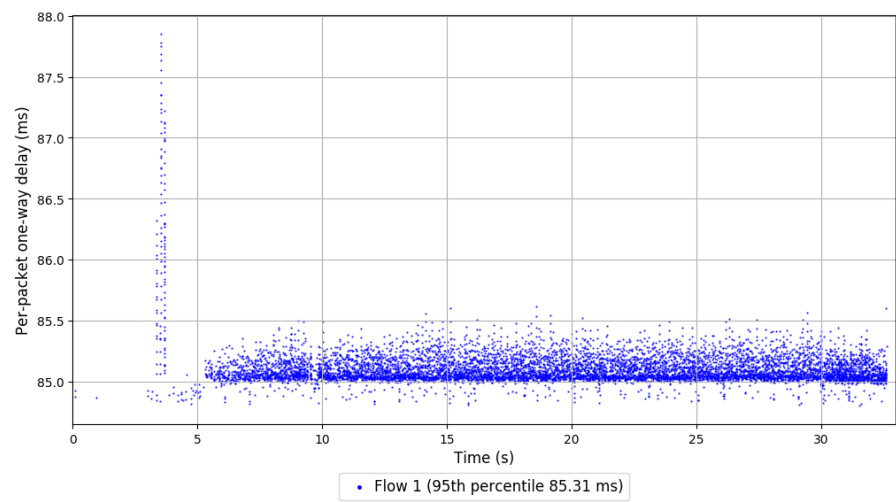
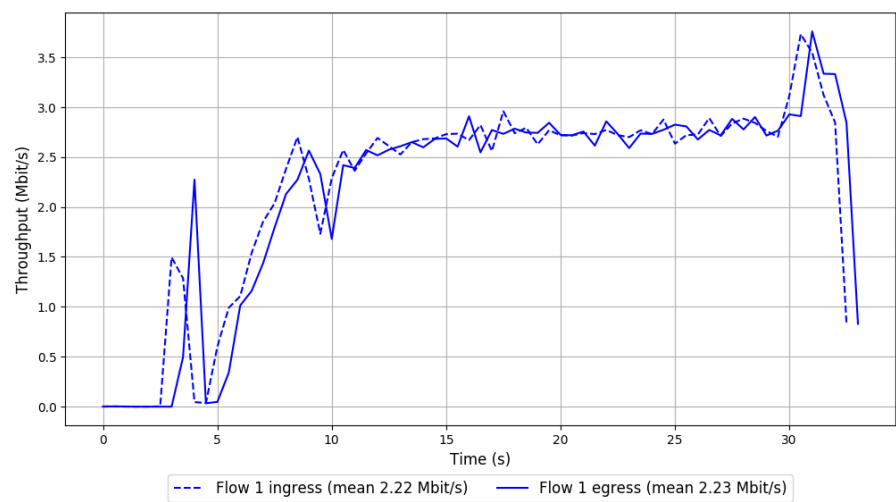
-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 85.307 ms

Loss rate: 0.35%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-04 03:20:31

End at: 2018-07-04 03:21:01

Local clock offset: -2.314 ms

Remote clock offset: 8.682 ms

Below is generated by plot.py at 2018-07-04 06:29:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 79.466 ms

Loss rate: 0.35%

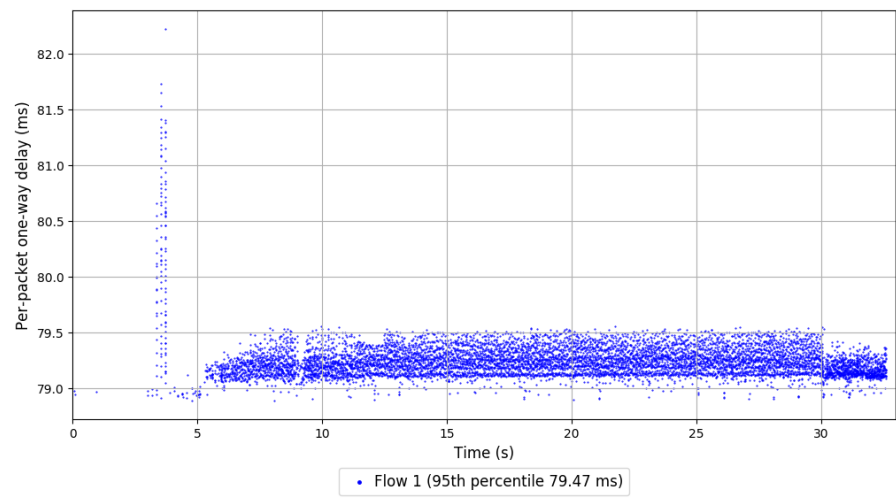
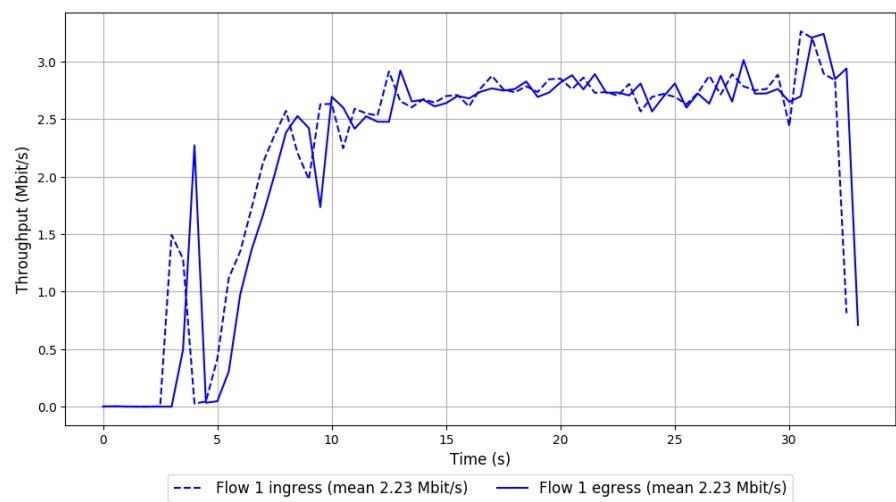
-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 79.466 ms

Loss rate: 0.35%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-04 03:40:21

End at: 2018-07-04 03:40:51

Local clock offset: -2.501 ms

Remote clock offset: 4.062 ms

Below is generated by plot.py at 2018-07-04 06:29:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 83.088 ms

Loss rate: 0.25%

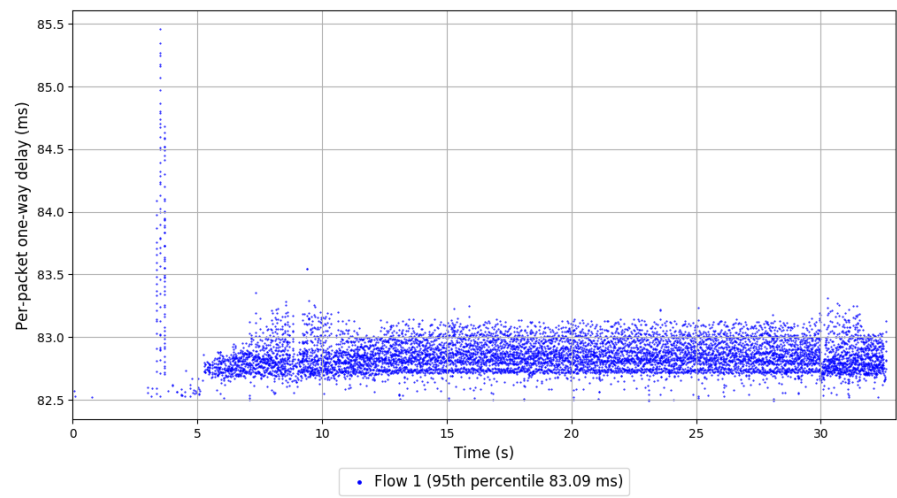
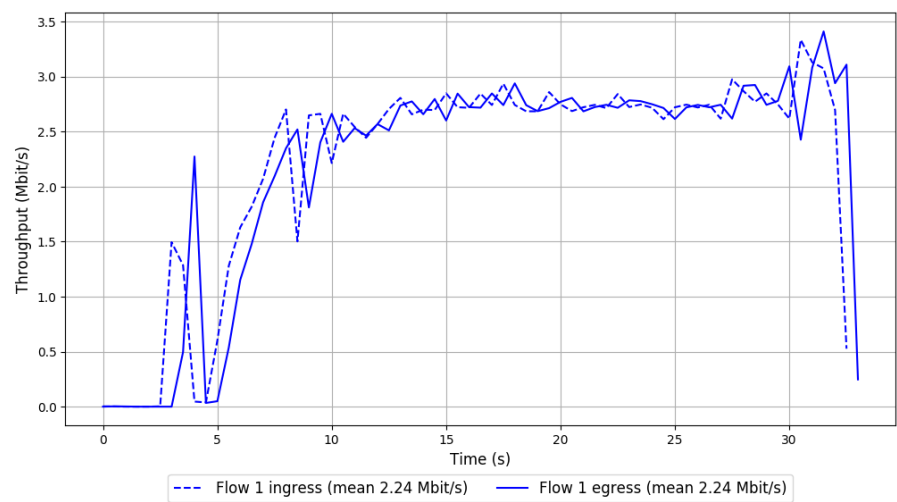
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 83.088 ms

Loss rate: 0.25%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

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

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

Local clock offset: -2.67 ms

Remote clock offset: 11.34 ms

Below is generated by plot.py at 2018-07-04 06:29:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 78.211 ms

Loss rate: 0.29%

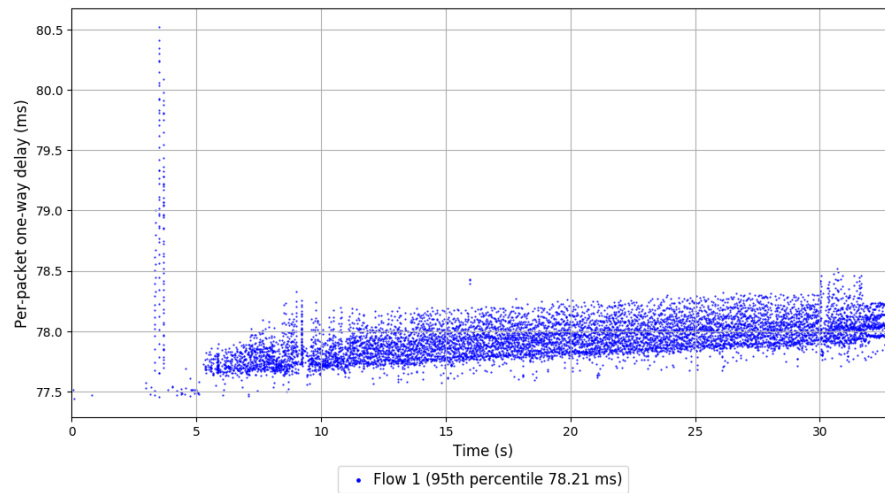
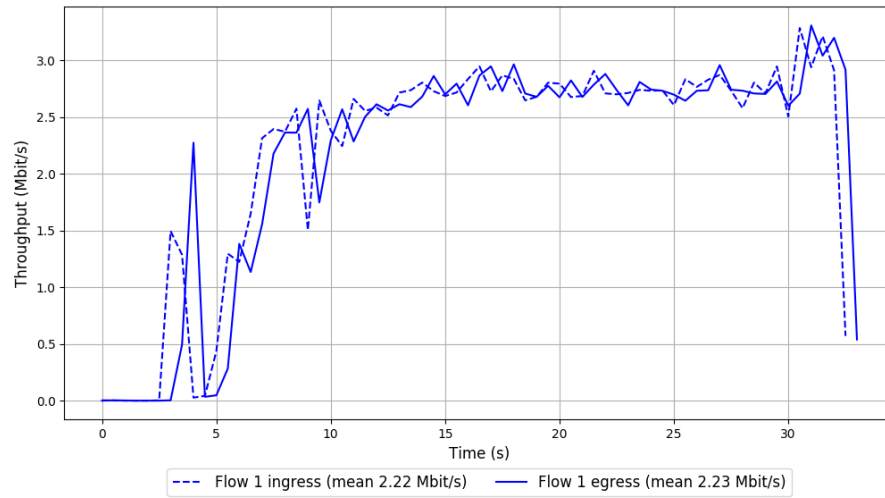
-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 78.211 ms

Loss rate: 0.29%

Run 4: Report of WebRTC media — Data Link

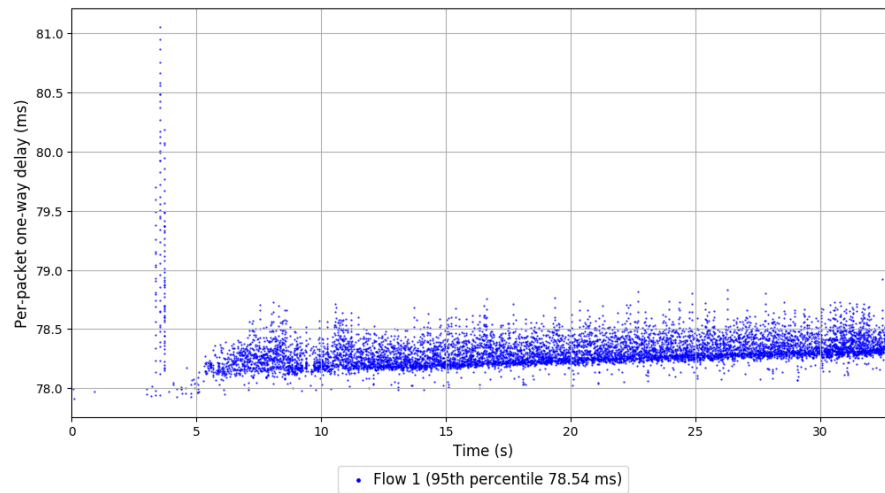
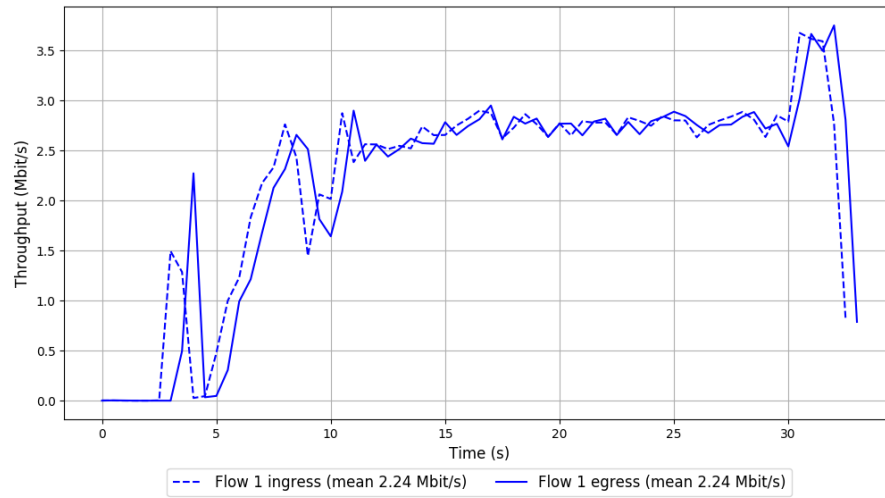


Run 5: Statistics of WebRTC media

Start at: 2018-07-04 04:20:07
End at: 2018-07-04 04:20:37
Local clock offset: -5.995 ms
Remote clock offset: 16.756 ms

Below is generated by plot.py at 2018-07-04 06:29:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 78.538 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 78.538 ms
Loss rate: 0.30%

Run 5: Report of WebRTC media — Data Link

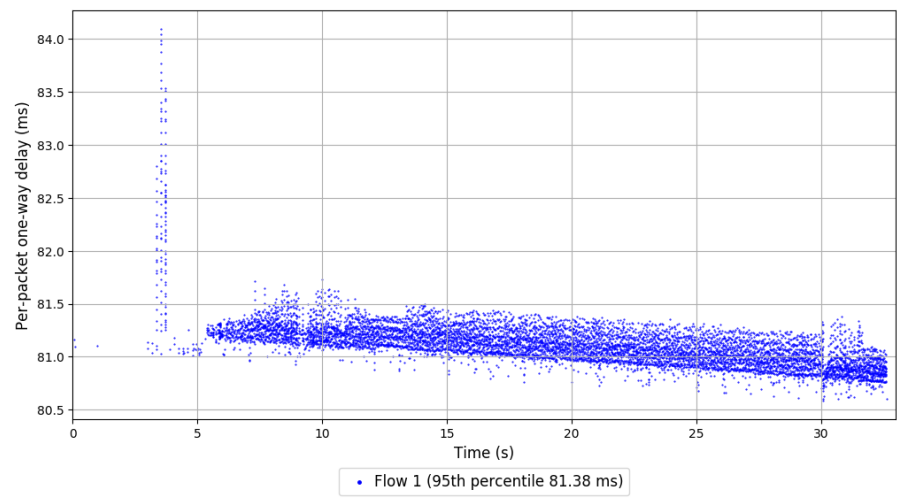
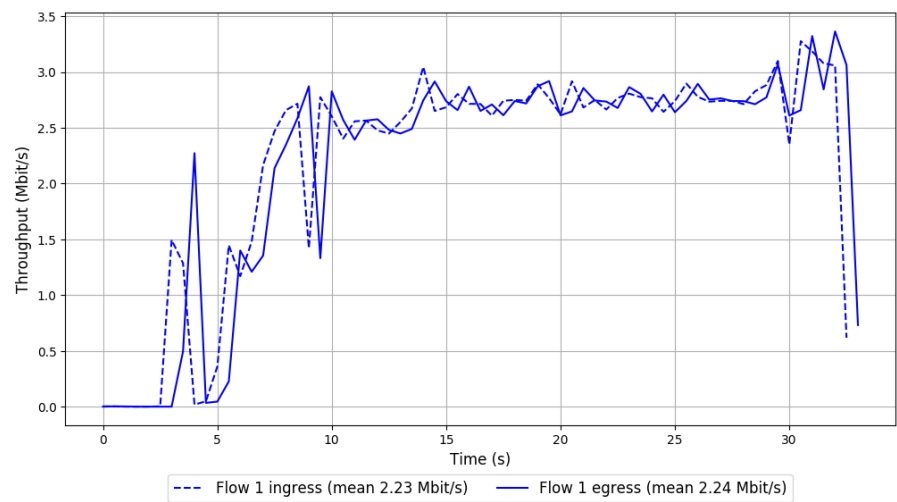


Run 6: Statistics of WebRTC media

Start at: 2018-07-04 04:39:58
End at: 2018-07-04 04:40:28
Local clock offset: -8.409 ms
Remote clock offset: 15.291 ms

Below is generated by plot.py at 2018-07-04 06:29:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 81.378 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 81.378 ms
Loss rate: 0.27%

Run 6: Report of WebRTC media — Data Link

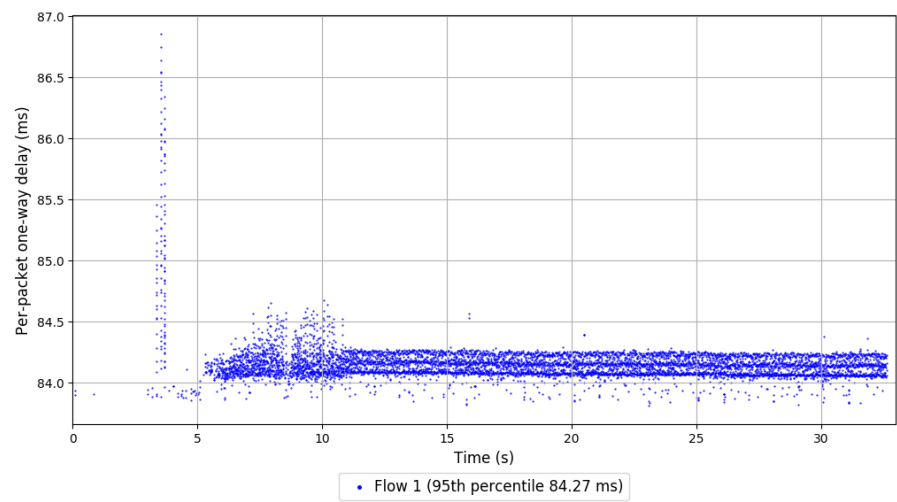
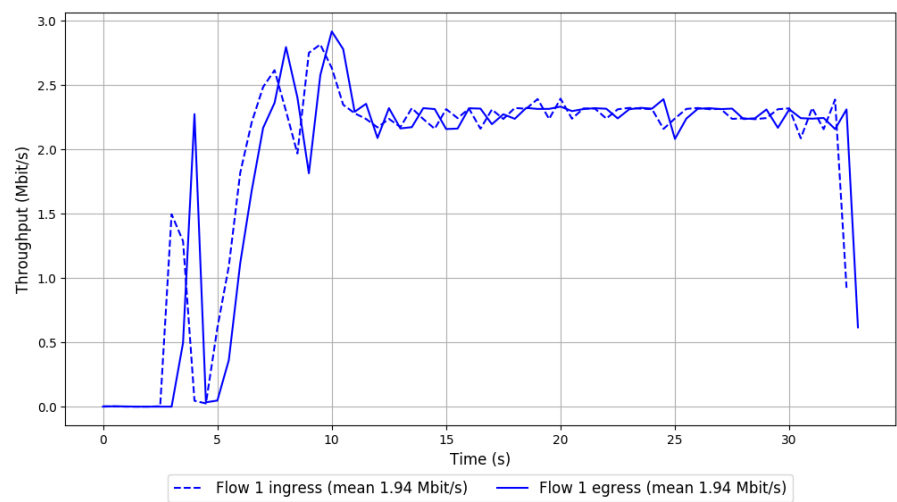


Run 7: Statistics of WebRTC media

Start at: 2018-07-04 04:59:49
End at: 2018-07-04 05:00:19
Local clock offset: -1.825 ms
Remote clock offset: 11.991 ms

Below is generated by plot.py at 2018-07-04 06:29:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 84.274 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 84.274 ms
Loss rate: 0.61%

Run 7: Report of WebRTC media — Data Link

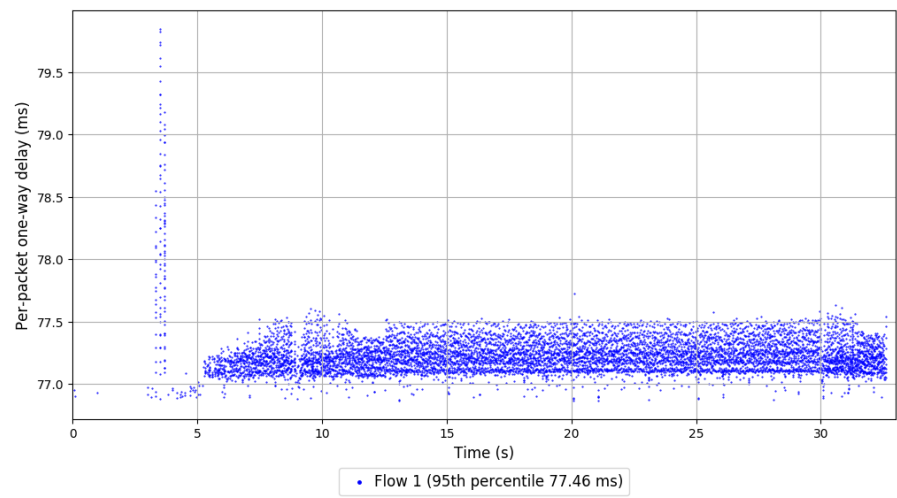
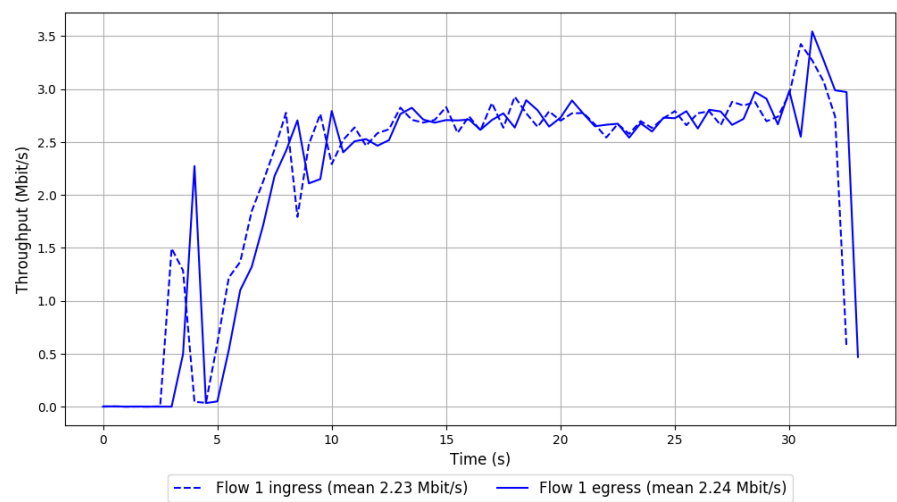


Run 8: Statistics of WebRTC media

Start at: 2018-07-04 05:19:40
End at: 2018-07-04 05:20:10
Local clock offset: -1.446 ms
Remote clock offset: 16.852 ms

Below is generated by plot.py at 2018-07-04 06:29:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 77.464 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 77.464 ms
Loss rate: 0.25%

Run 8: Report of WebRTC media — Data Link

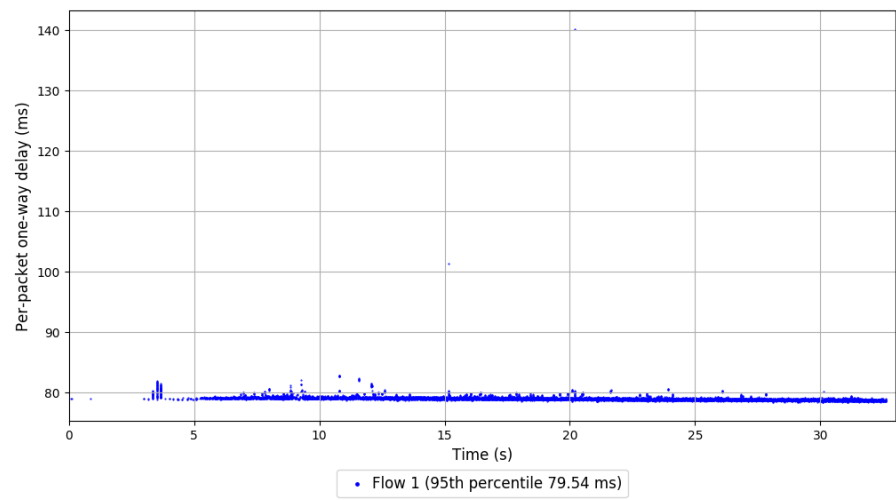
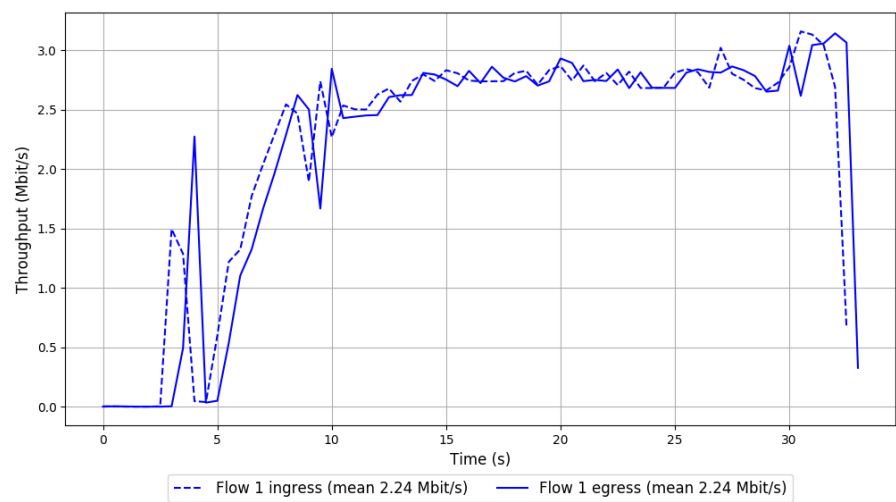


Run 9: Statistics of WebRTC media

Start at: 2018-07-04 05:39:32
End at: 2018-07-04 05:40:02
Local clock offset: -1.329 ms
Remote clock offset: 16.461 ms

Below is generated by plot.py at 2018-07-04 06:29:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 79.539 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 79.539 ms
Loss rate: 0.32%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-04 05:59:25

End at: 2018-07-04 05:59:55

Local clock offset: -1.765 ms

Remote clock offset: 1.947 ms

Below is generated by plot.py at 2018-07-04 06:29:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 82.880 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 82.880 ms

Loss rate: 0.25%

Run 10: Report of WebRTC media — Data Link

