

Pantheon Report

Generated at 2018-05-25 02:49:31 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

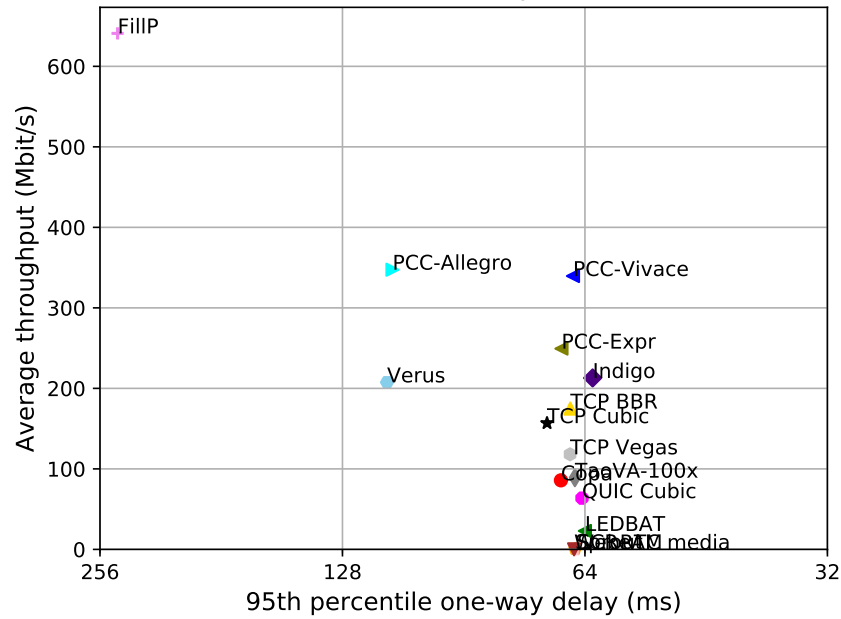
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

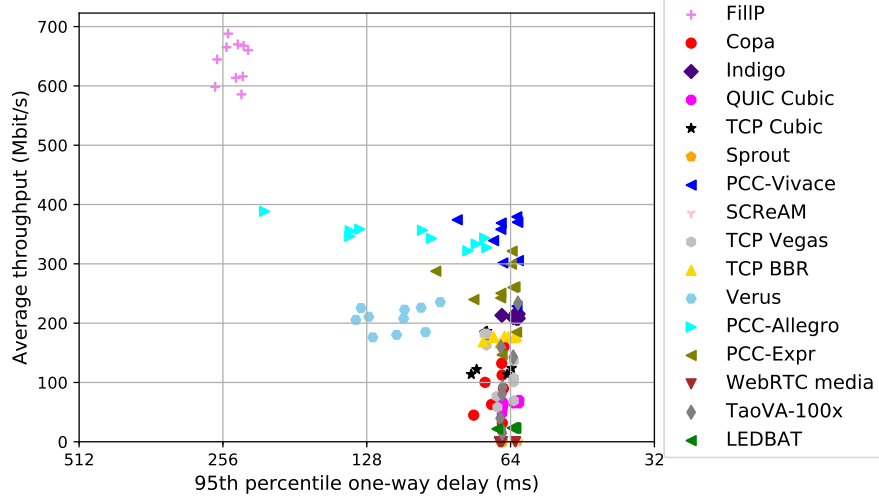
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Iowa to GCE Tokyo, 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	174.93	66.73	0.00
Copa	10	85.78	68.55	0.00
TCP Cubic	10	156.83	71.33	0.00
FillP	10	640.94	243.44	0.28
Indigo	10	212.92	62.61	0.01
LEDBAT	10	22.92	64.01	0.00
PCC-Allegro	10	347.38	110.94	0.31
PCC-Expr	10	249.40	68.45	0.12
QUIC Cubic	9	63.68	64.54	0.00
SCReAM	10	0.22	65.42	0.00
Sprout	10	0.54	65.82	0.00
TaoVA-100x	9	89.07	65.87	0.00
TCP Vegas	10	118.10	66.78	0.00
Verus	10	207.48	112.70	0.07
PCC-Vivace	10	339.56	66.23	0.06
WebRTC media	9	0.05	66.02	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 22:00:11

End at: 2018-05-24 22:00:41

Local clock offset: -0.049 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-05-25 01:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.35 Mbit/s

95th percentile per-packet one-way delay: 62.952 ms

Loss rate: 0.00%

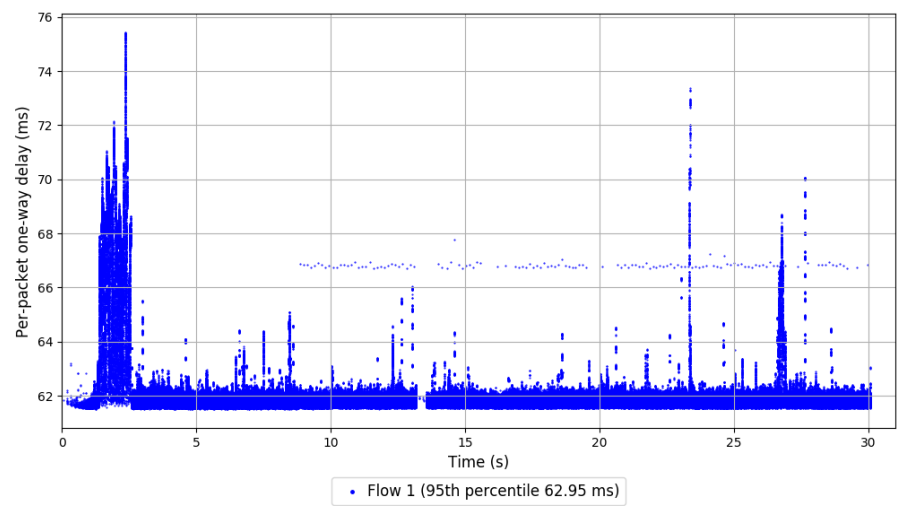
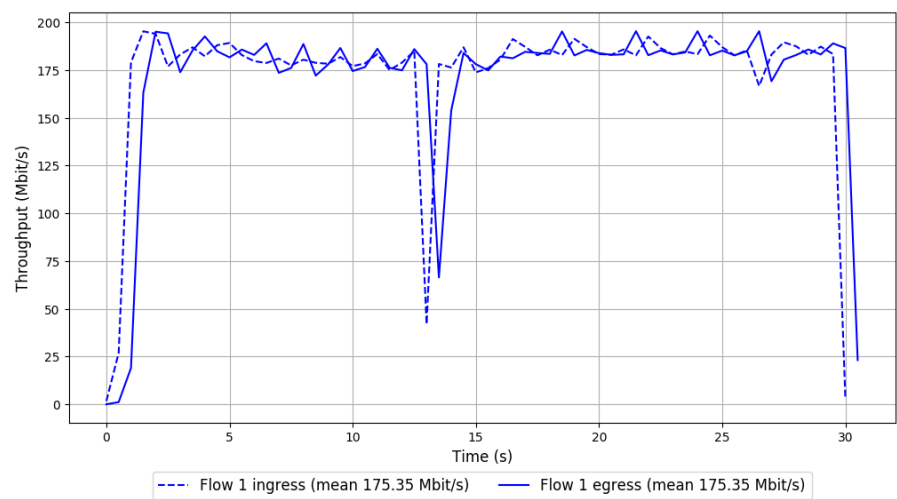
-- Flow 1:

Average throughput: 175.35 Mbit/s

95th percentile per-packet one-way delay: 62.952 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-24 22:20:28

End at: 2018-05-24 22:20:58

Local clock offset: 0.007 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-05-25 01:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.68 Mbit/s

95th percentile per-packet one-way delay: 72.980 ms

Loss rate: 0.02%

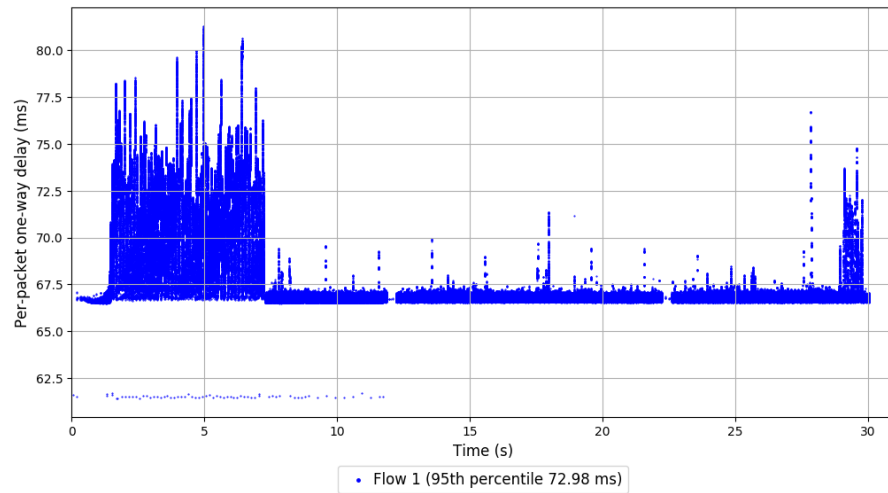
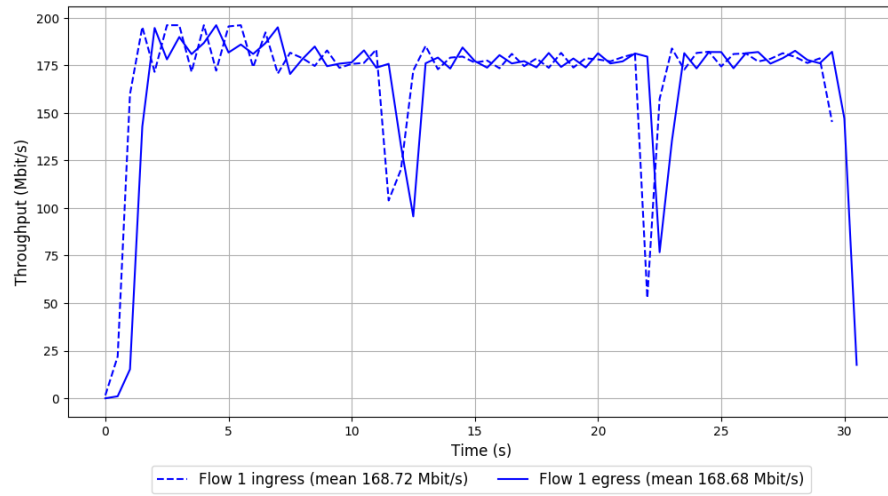
-- Flow 1:

Average throughput: 168.68 Mbit/s

95th percentile per-packet one-way delay: 72.980 ms

Loss rate: 0.02%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-24 22:40:34

End at: 2018-05-24 22:41:04

Local clock offset: -0.033 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-05-25 01:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.70 Mbit/s

95th percentile per-packet one-way delay: 67.291 ms

Loss rate: 0.00%

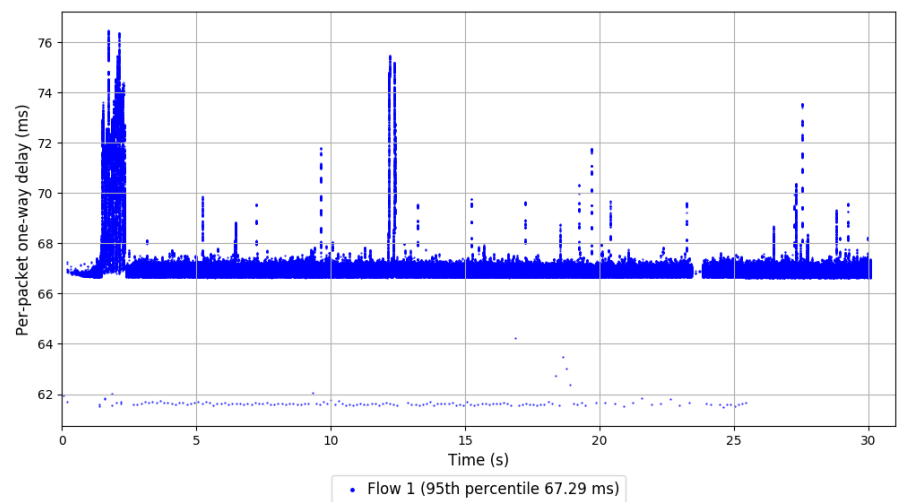
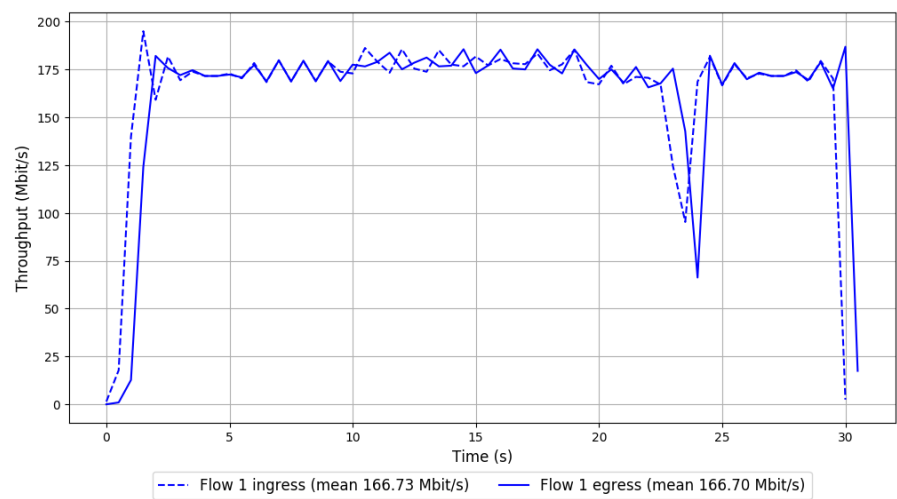
-- Flow 1:

Average throughput: 166.70 Mbit/s

95th percentile per-packet one-way delay: 67.291 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-24 23:00:38

End at: 2018-05-24 23:01:08

Local clock offset: -0.048 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-05-25 01:30:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.13 Mbit/s

95th percentile per-packet one-way delay: 64.740 ms

Loss rate: 0.00%

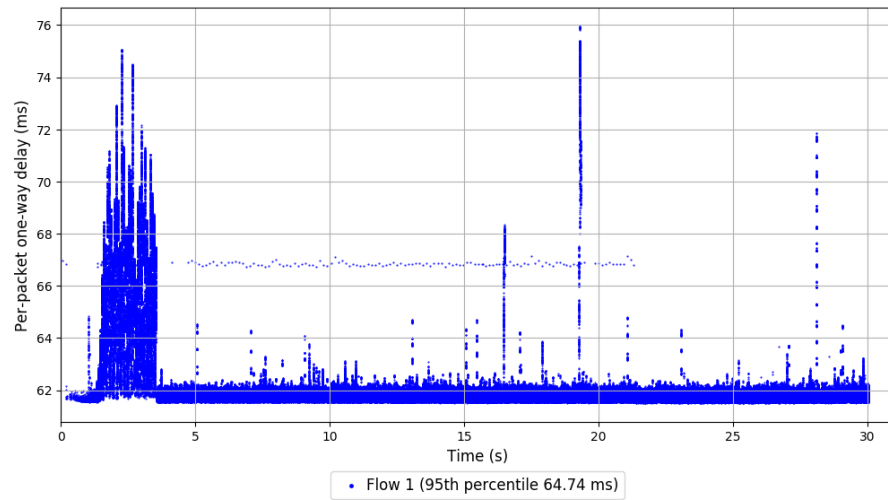
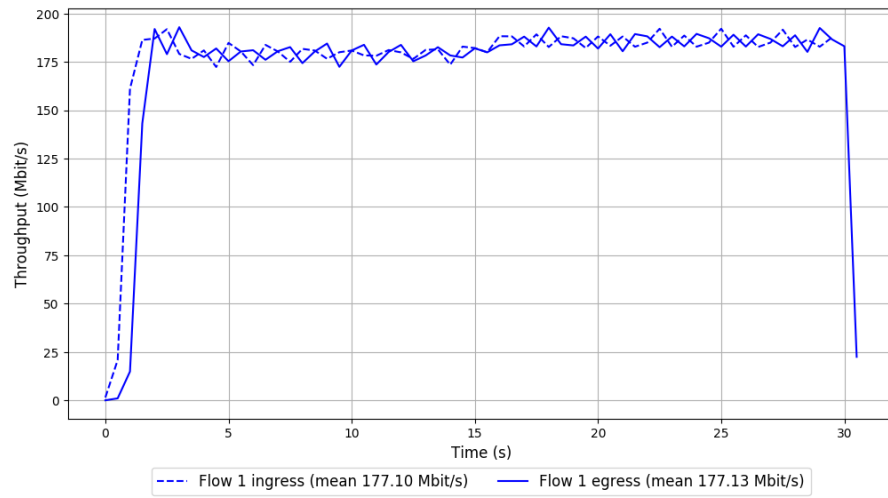
-- Flow 1:

Average throughput: 177.13 Mbit/s

95th percentile per-packet one-way delay: 64.740 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-24 23:21:01

End at: 2018-05-24 23:21:31

Local clock offset: -0.1 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-05-25 01:30:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.56 Mbit/s

95th percentile per-packet one-way delay: 69.427 ms

Loss rate: 0.00%

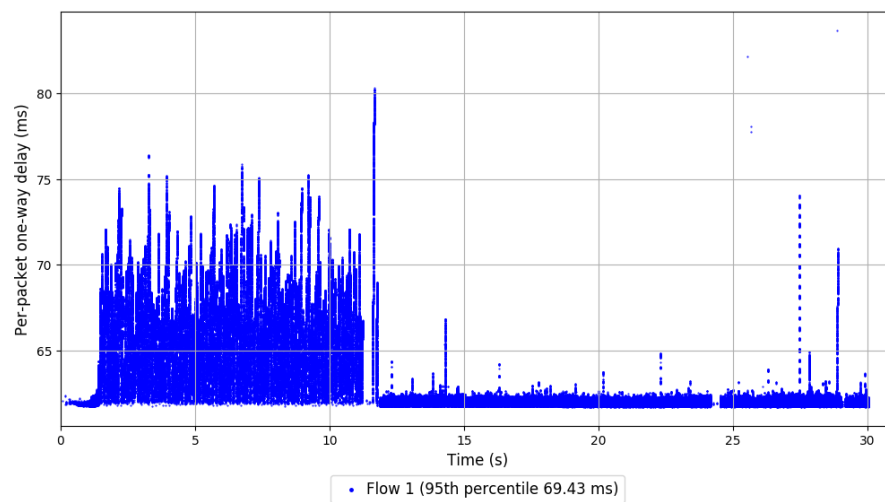
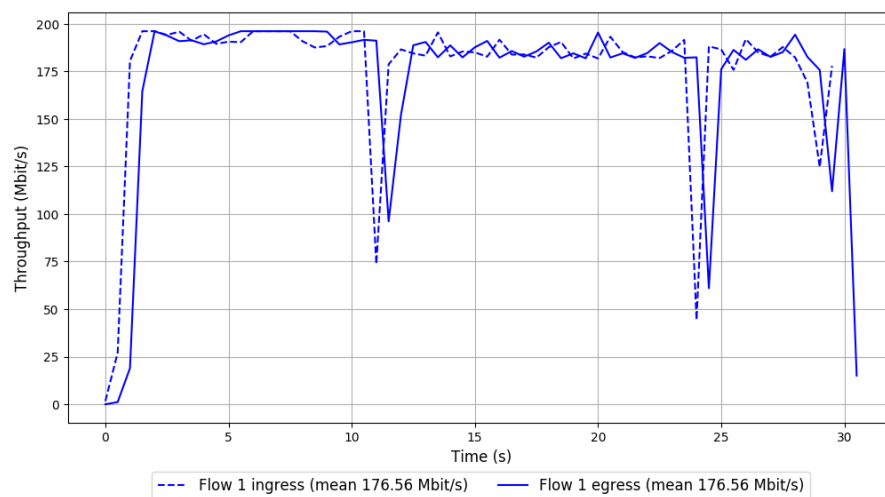
-- Flow 1:

Average throughput: 176.56 Mbit/s

95th percentile per-packet one-way delay: 69.427 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-24 23:41:12

End at: 2018-05-24 23:41:42

Local clock offset: 0.013 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-05-25 01:30:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.06 Mbit/s

95th percentile per-packet one-way delay: 69.490 ms

Loss rate: 0.00%

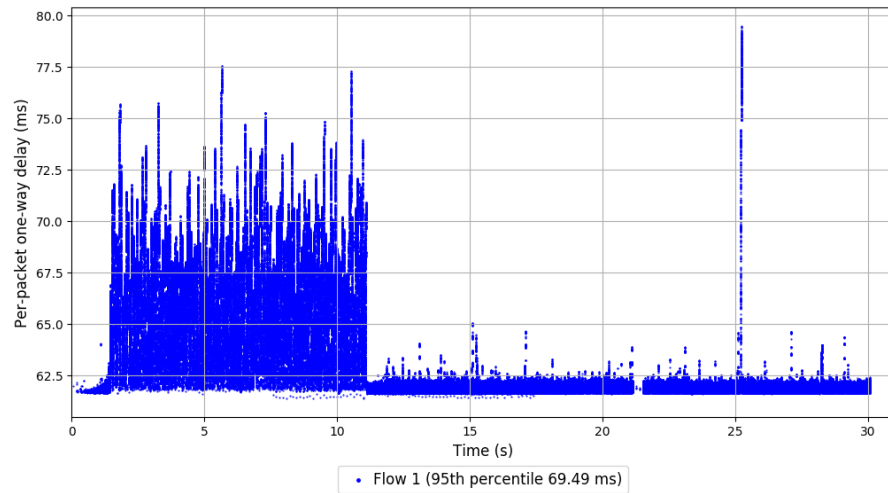
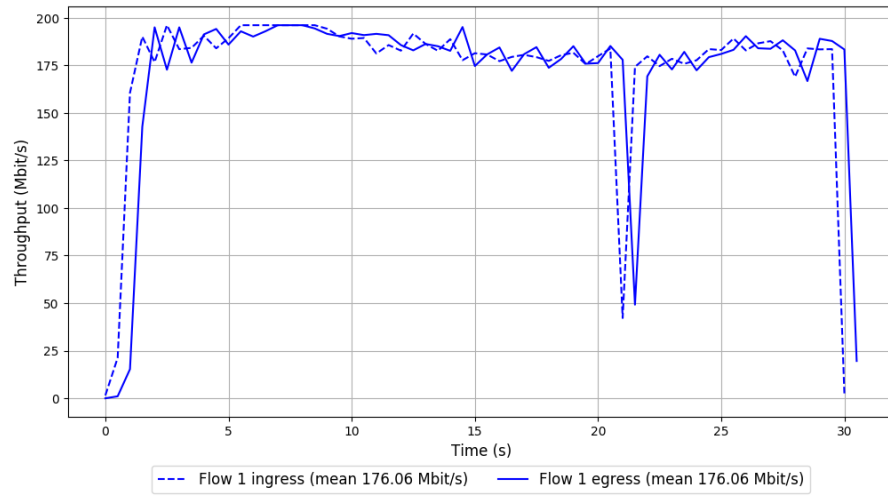
-- Flow 1:

Average throughput: 176.06 Mbit/s

95th percentile per-packet one-way delay: 69.490 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-25 00:01:21

End at: 2018-05-25 00:01:51

Local clock offset: 0.012 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-05-25 01:30:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.92 Mbit/s

95th percentile per-packet one-way delay: 65.883 ms

Loss rate: 0.00%

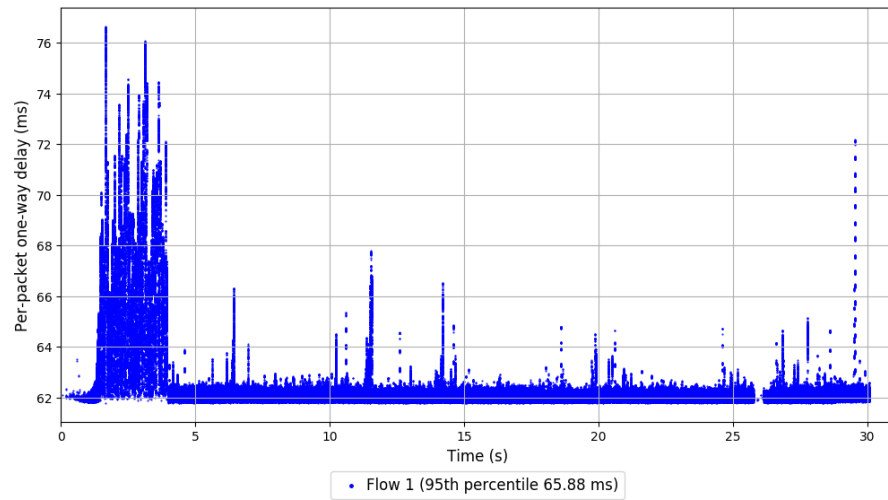
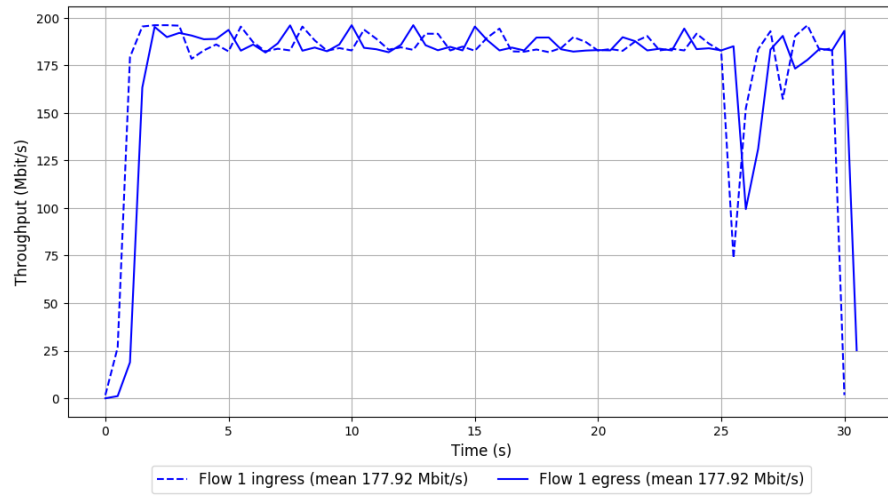
-- Flow 1:

Average throughput: 177.92 Mbit/s

95th percentile per-packet one-way delay: 65.883 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

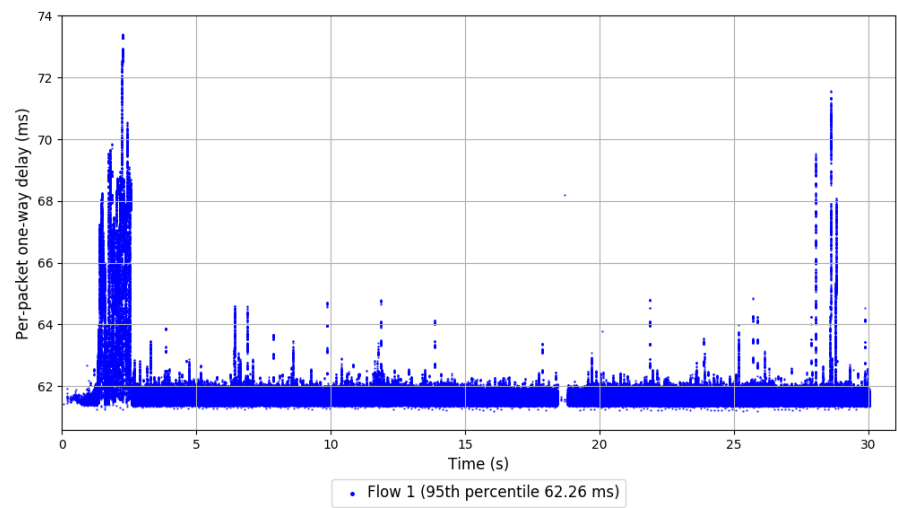
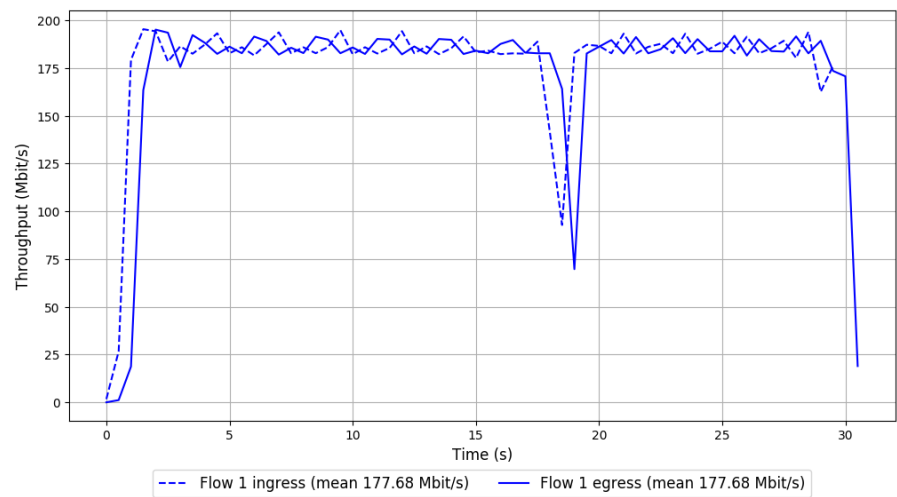


Run 8: Statistics of TCP BBR

Start at: 2018-05-25 00:21:27
End at: 2018-05-25 00:21:57
Local clock offset: -0.022 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-05-25 01:30:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.68 Mbit/s
95th percentile per-packet one-way delay: 62.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.68 Mbit/s
95th percentile per-packet one-way delay: 62.258 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

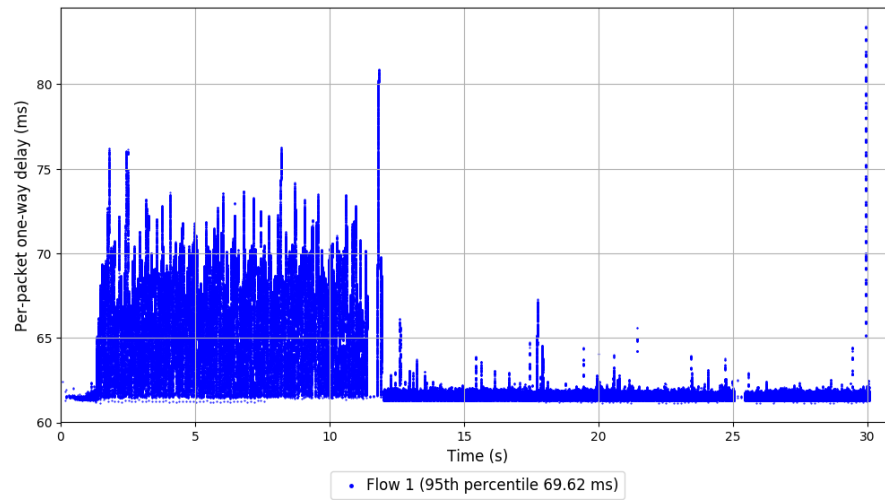
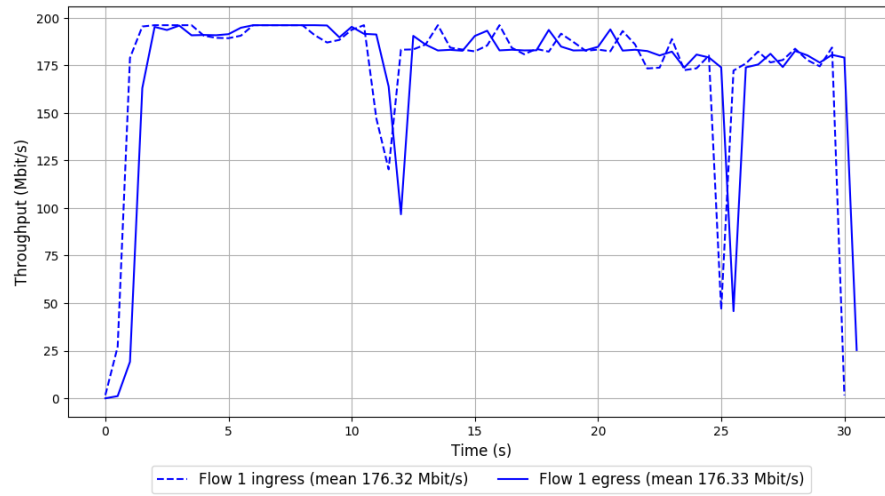


Run 9: Statistics of TCP BBR

Start at: 2018-05-25 00:41:02
End at: 2018-05-25 00:41:32
Local clock offset: -0.033 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-05-25 01:34:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.33 Mbit/s
95th percentile per-packet one-way delay: 69.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.33 Mbit/s
95th percentile per-packet one-way delay: 69.624 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

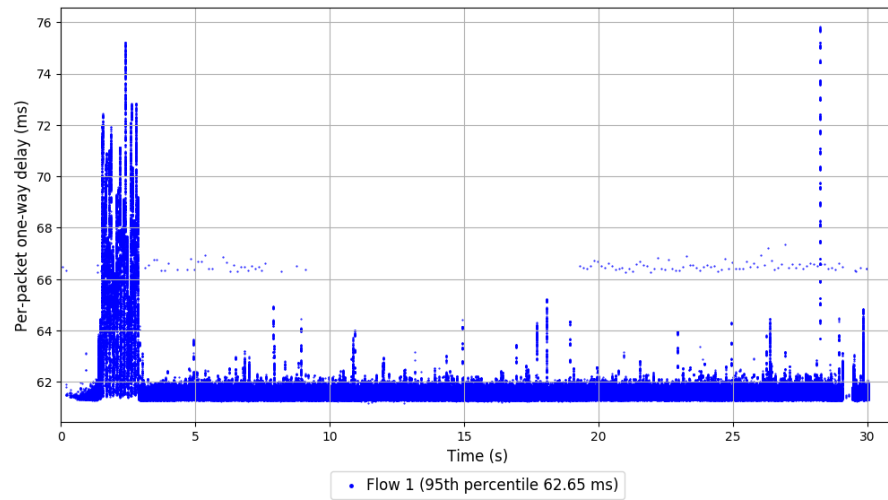
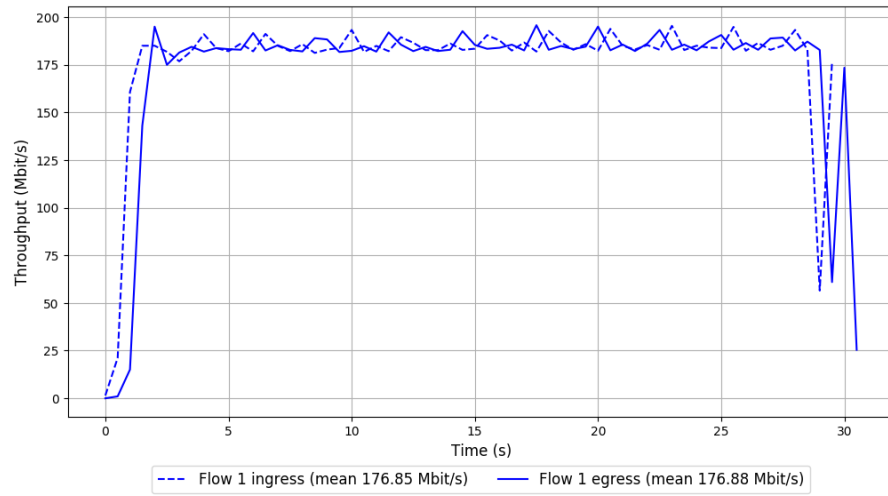


Run 10: Statistics of TCP BBR

Start at: 2018-05-25 01:01:10
End at: 2018-05-25 01:01:40
Local clock offset: -0.065 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-05-25 01:34:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.88 Mbit/s
95th percentile per-packet one-way delay: 62.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.88 Mbit/s
95th percentile per-packet one-way delay: 62.654 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-24 22:01:25

End at: 2018-05-24 22:01:55

Local clock offset: -0.053 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2018-05-25 01:35:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.26 Mbit/s

95th percentile per-packet one-way delay: 66.793 ms

Loss rate: 0.03%

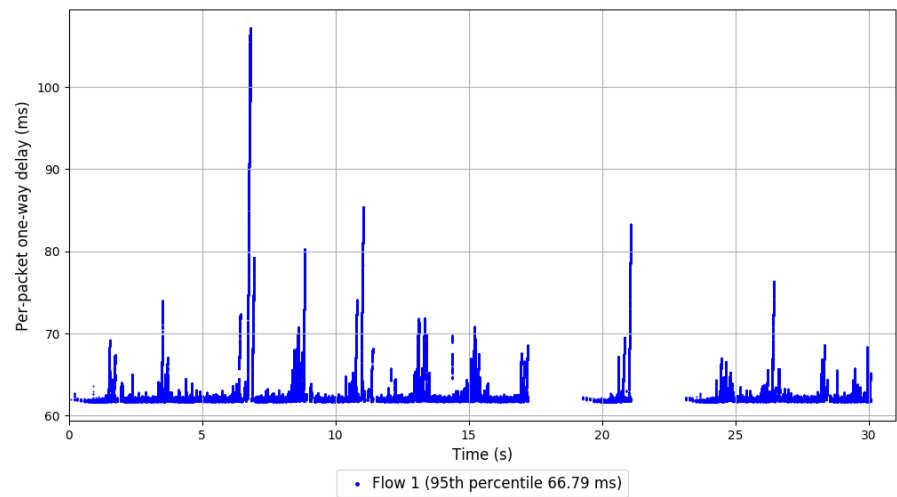
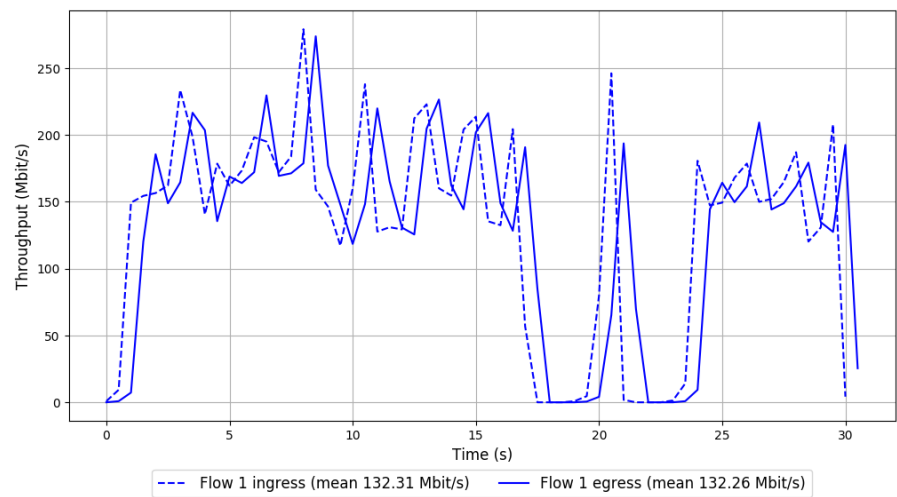
-- Flow 1:

Average throughput: 132.26 Mbit/s

95th percentile per-packet one-way delay: 66.793 ms

Loss rate: 0.03%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-24 22:21:42

End at: 2018-05-24 22:22:12

Local clock offset: -0.0 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-05-25 01:35:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.21 Mbit/s

95th percentile per-packet one-way delay: 72.380 ms

Loss rate: 0.00%

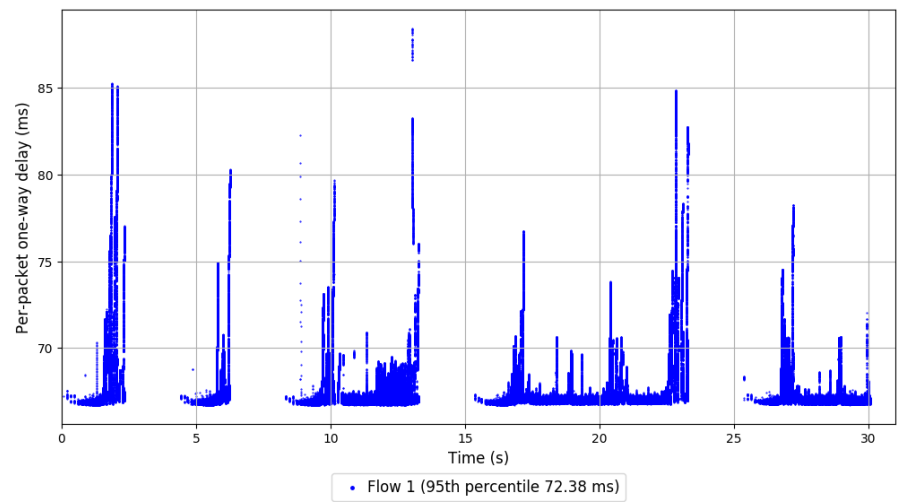
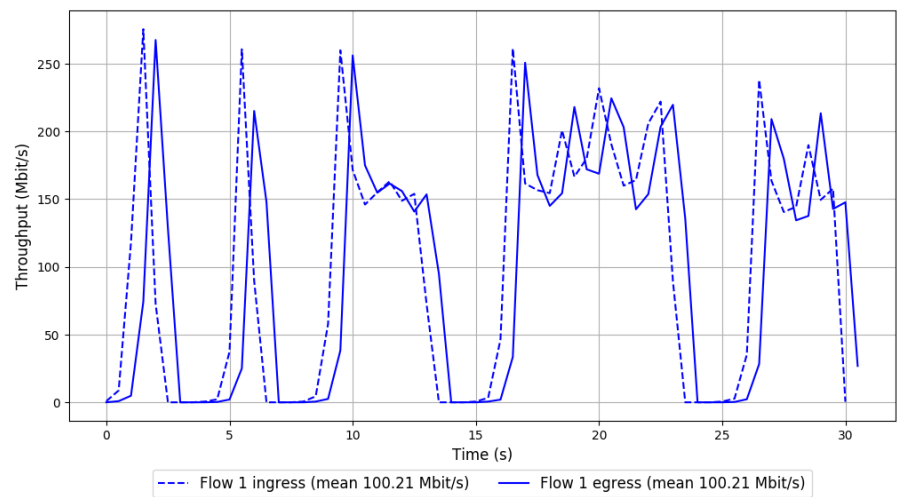
-- Flow 1:

Average throughput: 100.21 Mbit/s

95th percentile per-packet one-way delay: 72.380 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

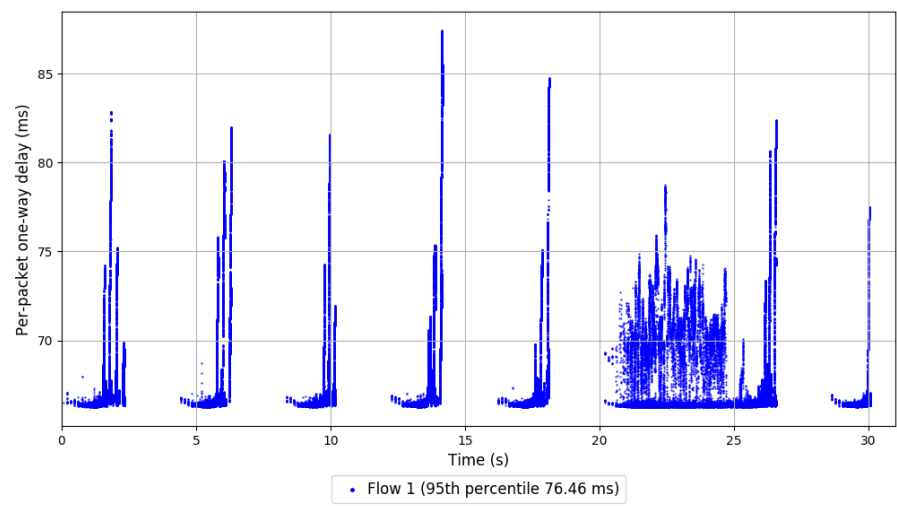
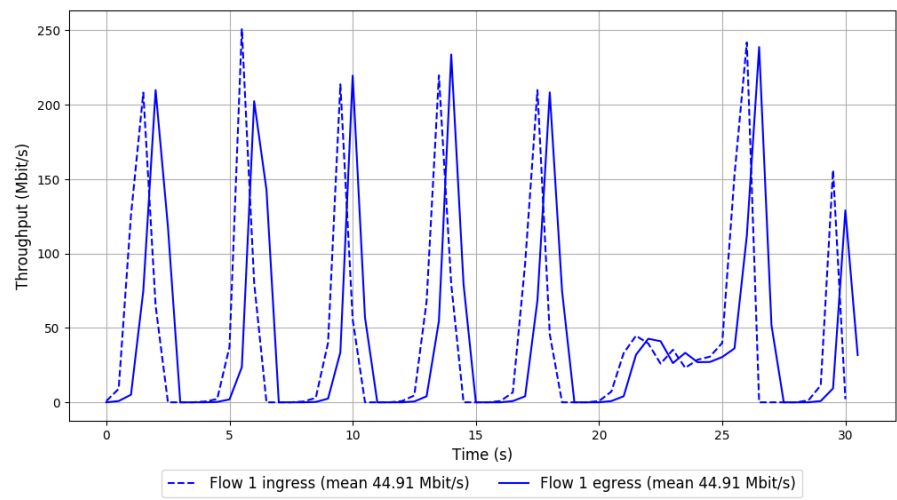


Run 3: Statistics of Copa

Start at: 2018-05-24 22:41:48
End at: 2018-05-24 22:42:18
Local clock offset: -0.013 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-05-25 01:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 76.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 76.457 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-24 23:01:52

End at: 2018-05-24 23:02:22

Local clock offset: -0.019 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-05-25 01:35:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.40 Mbit/s

95th percentile per-packet one-way delay: 66.675 ms

Loss rate: 0.00%

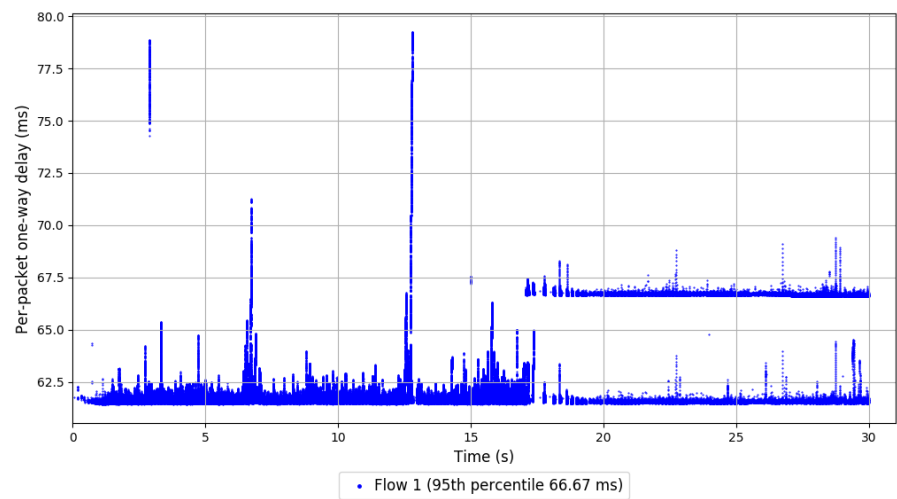
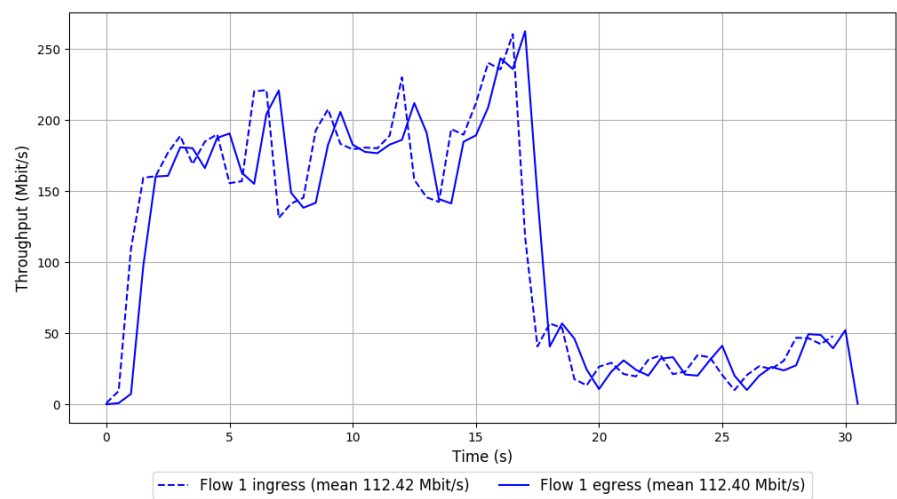
-- Flow 1:

Average throughput: 112.40 Mbit/s

95th percentile per-packet one-way delay: 66.675 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

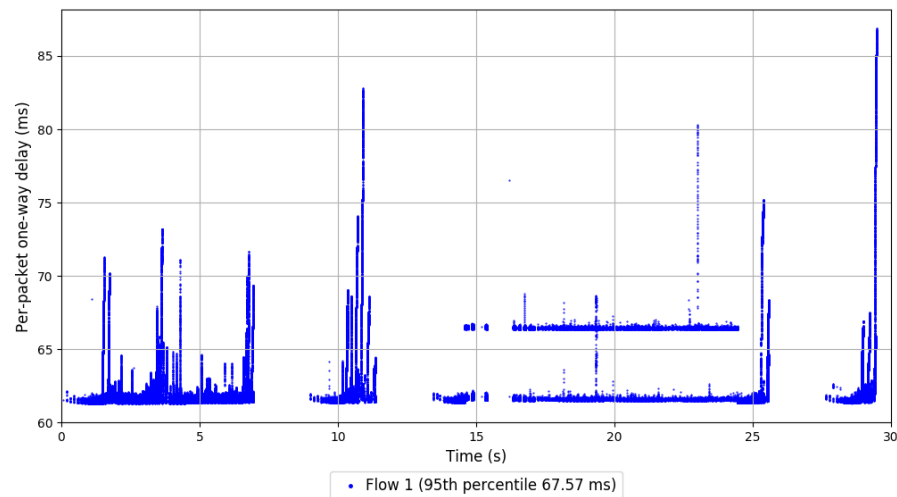
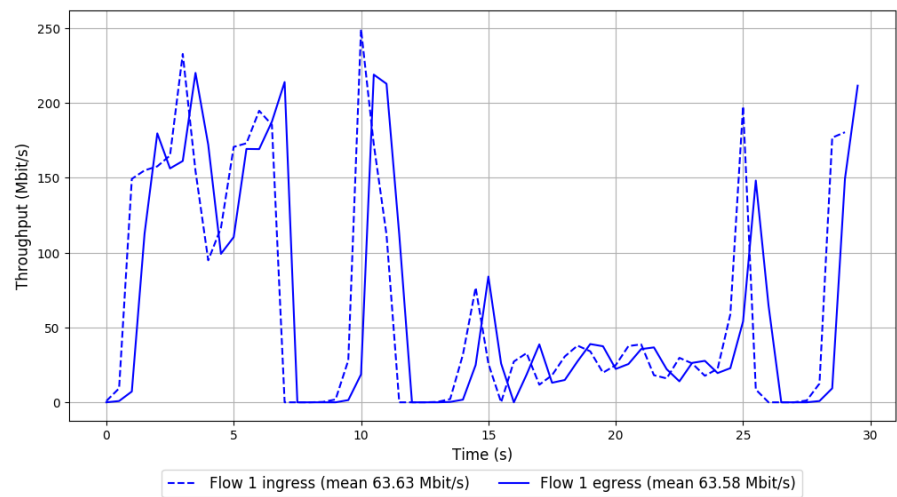


Run 5: Statistics of Copa

Start at: 2018-05-24 23:22:15
End at: 2018-05-24 23:22:45
Local clock offset: -0.116 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-05-25 01:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 67.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 67.568 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-24 23:42:27

End at: 2018-05-24 23:42:57

Local clock offset: 0.03 ms

Remote clock offset: 0.282 ms

Below is generated by plot.py at 2018-05-25 01:35:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 70.145 ms

Loss rate: 0.00%

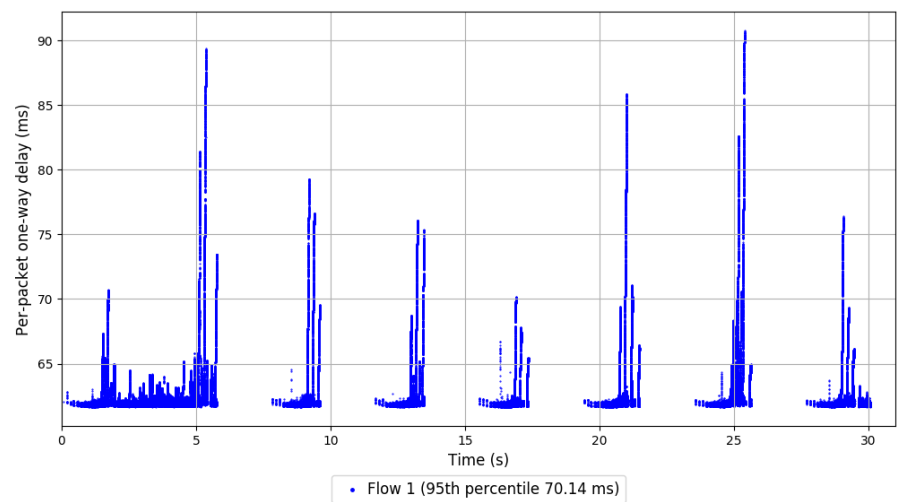
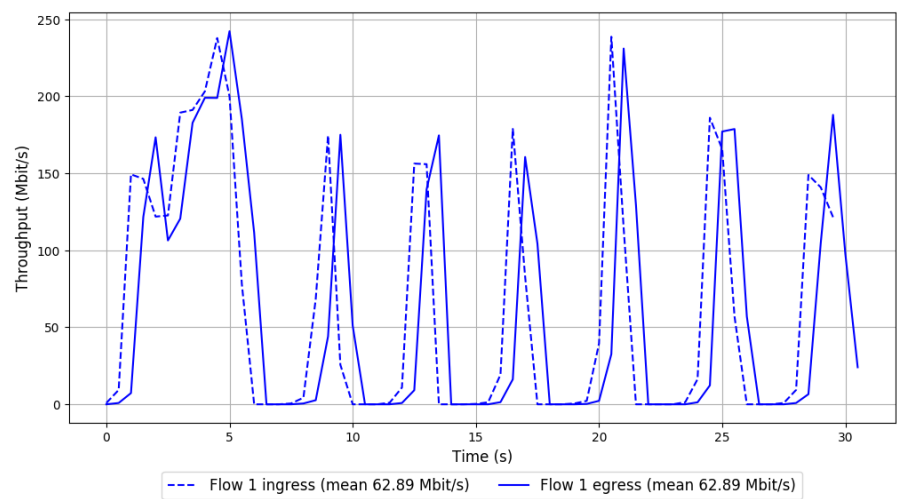
-- Flow 1:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 70.145 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

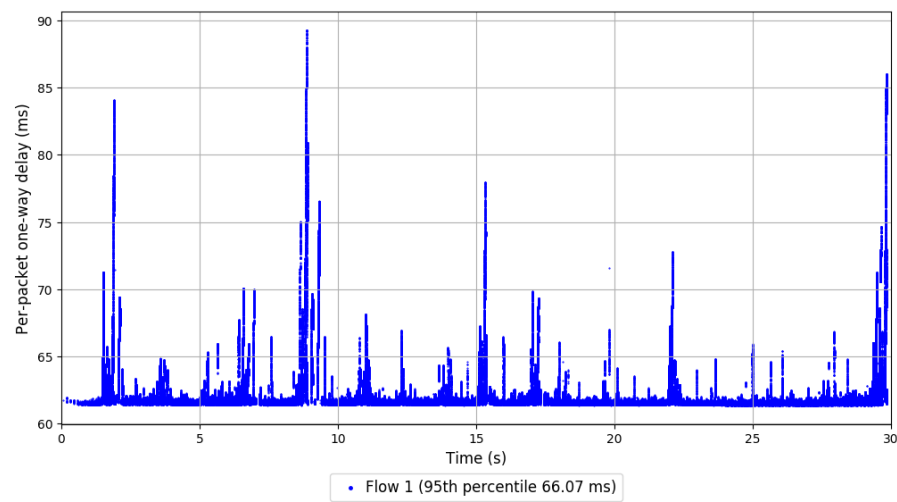
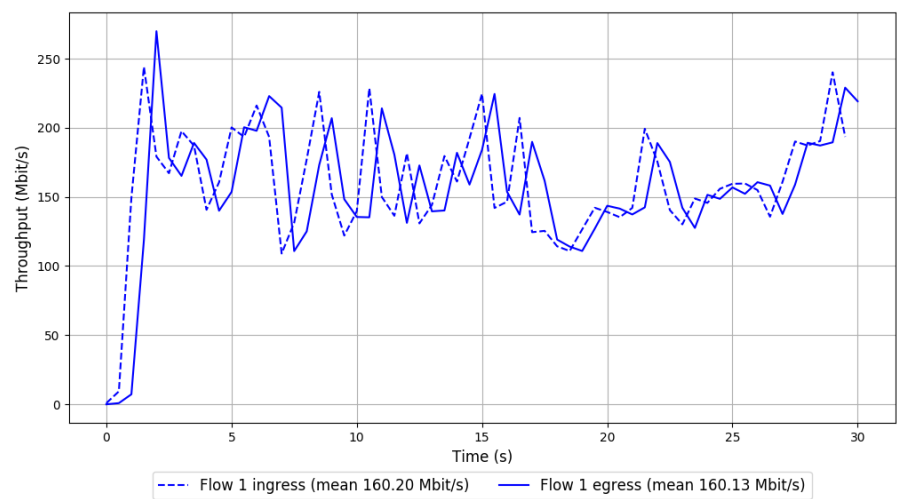


Run 7: Statistics of Copa

Start at: 2018-05-25 00:02:36
End at: 2018-05-25 00:03:06
Local clock offset: 0.056 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-05-25 01:38:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.13 Mbit/s
95th percentile per-packet one-way delay: 66.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 160.13 Mbit/s
95th percentile per-packet one-way delay: 66.071 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

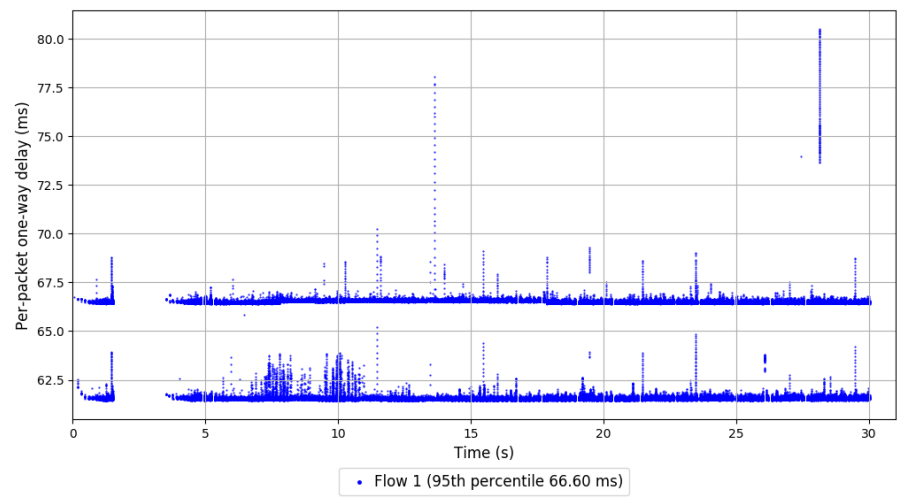
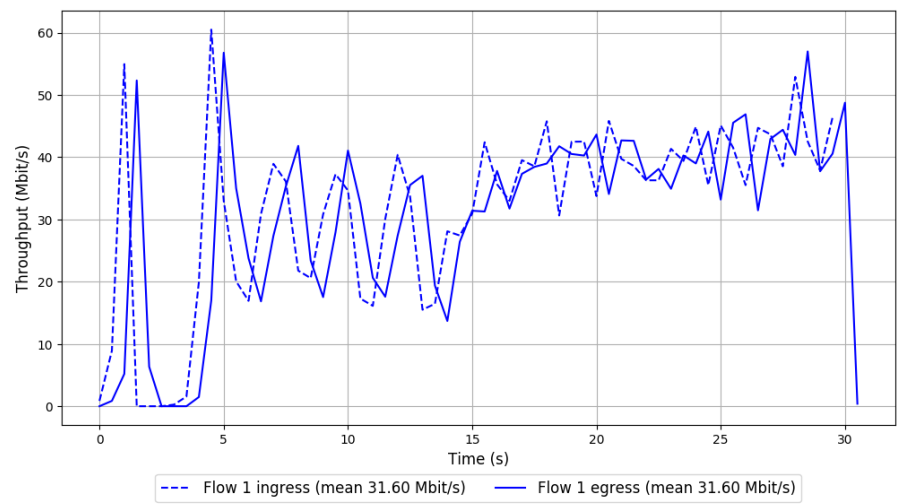


Run 8: Statistics of Copa

Start at: 2018-05-25 00:22:42
End at: 2018-05-25 00:23:12
Local clock offset: -0.025 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-25 01:38:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 66.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 66.599 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

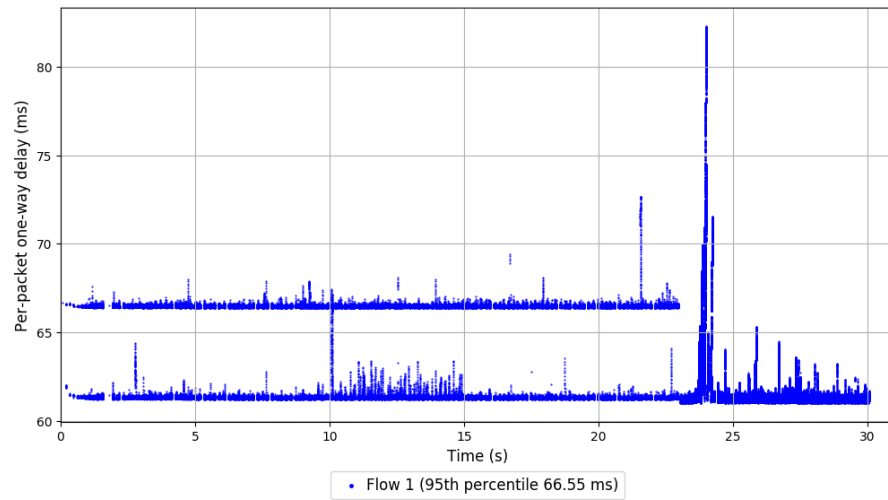
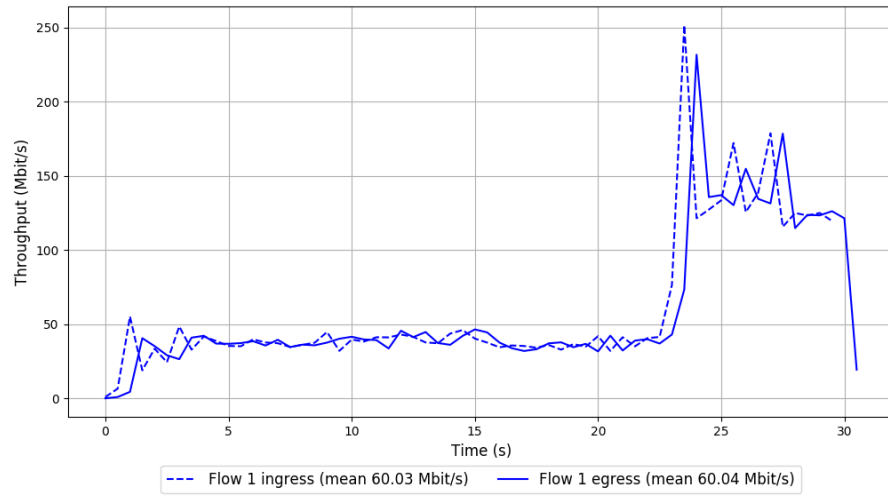


Run 9: Statistics of Copa

Start at: 2018-05-25 00:42:16
End at: 2018-05-25 00:42:46
Local clock offset: -0.057 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-05-25 01:38:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 66.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 66.549 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-25 01:02:24

End at: 2018-05-25 01:02:55

Local clock offset: -0.043 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-05-25 01:38:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.83 Mbit/s

95th percentile per-packet one-way delay: 66.241 ms

Loss rate: 0.00%

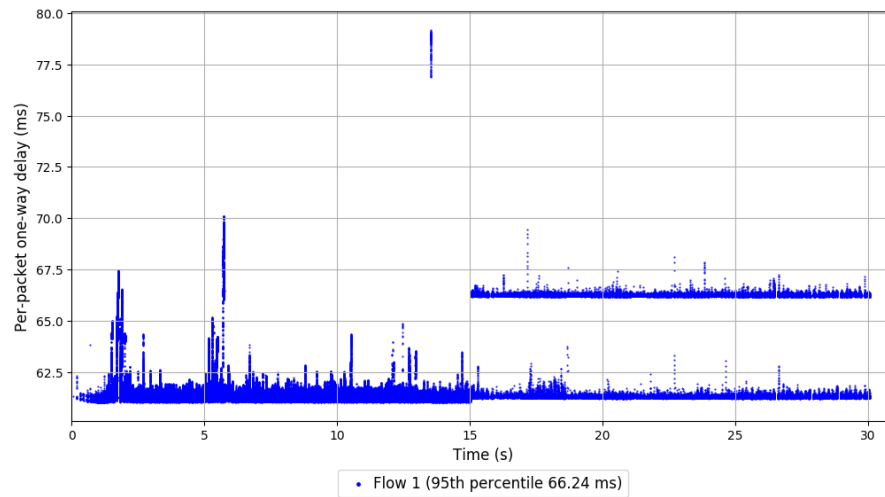
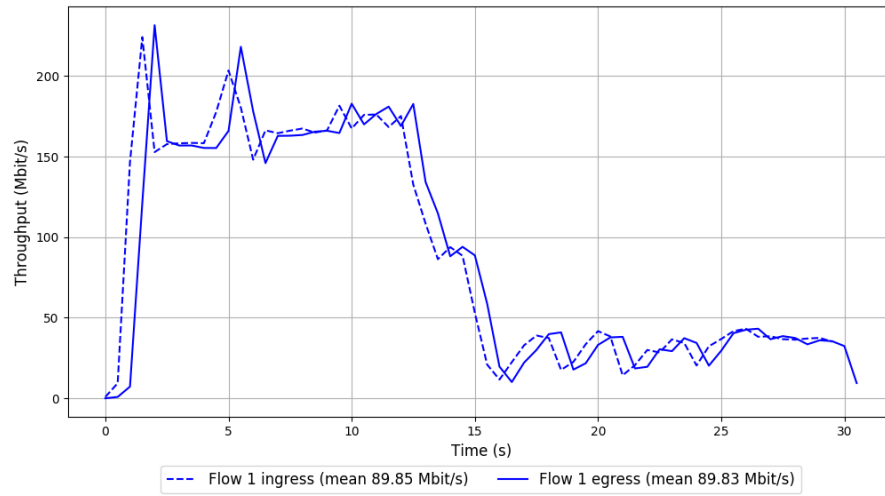
-- Flow 1:

Average throughput: 89.83 Mbit/s

95th percentile per-packet one-way delay: 66.241 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

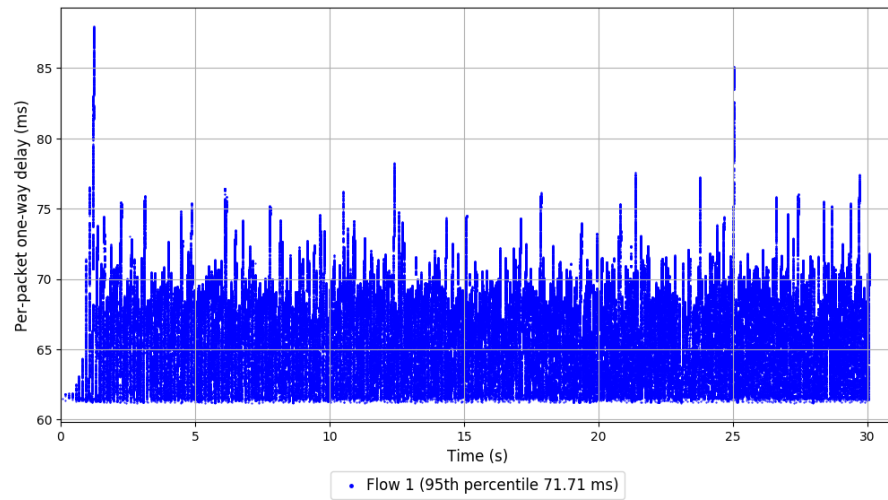
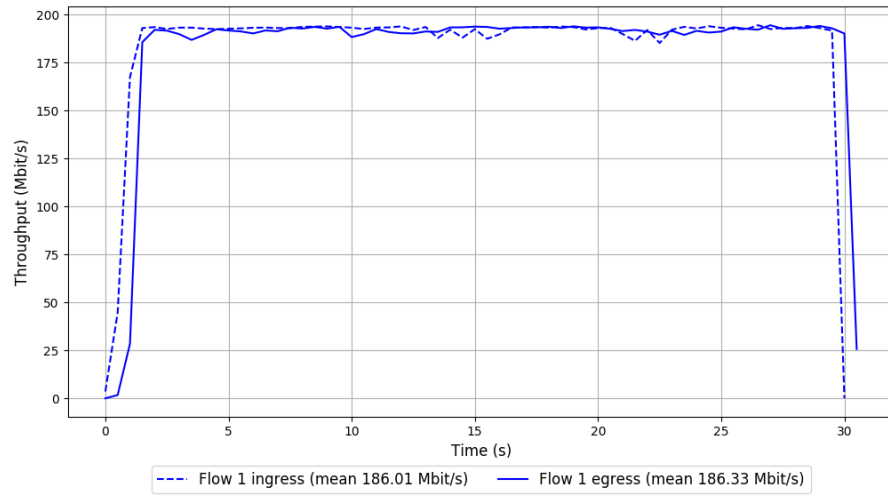


Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 22:05:12
End at: 2018-05-24 22:05:42
Local clock offset: -0.01 ms
Remote clock offset: -0.258 ms

Below is generated by plot.py at 2018-05-25 01:38:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.33 Mbit/s
95th percentile per-packet one-way delay: 71.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.33 Mbit/s
95th percentile per-packet one-way delay: 71.710 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

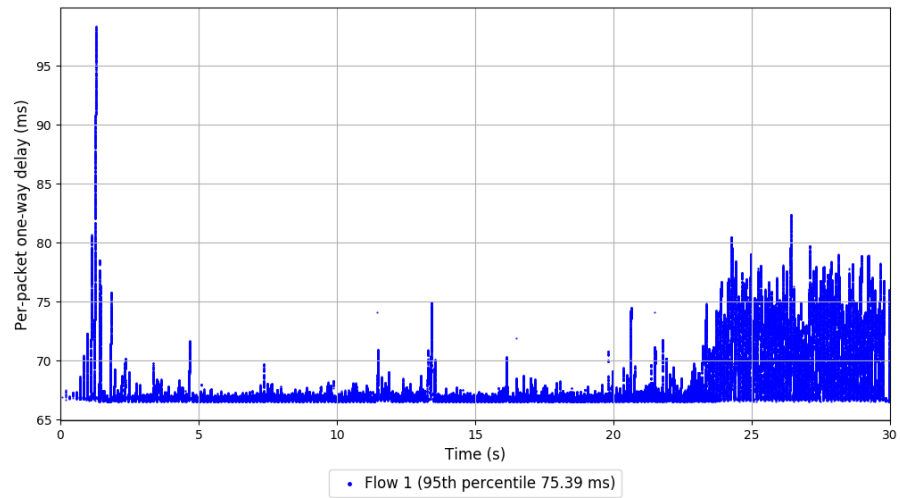
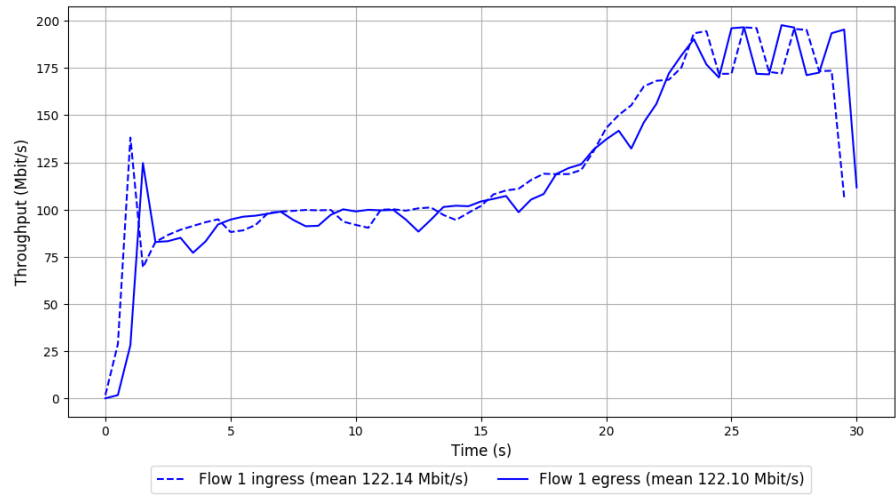


Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 22:25:22
End at: 2018-05-24 22:25:52
Local clock offset: 0.012 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-25 01:38:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.10 Mbit/s
95th percentile per-packet one-way delay: 75.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.10 Mbit/s
95th percentile per-packet one-way delay: 75.389 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

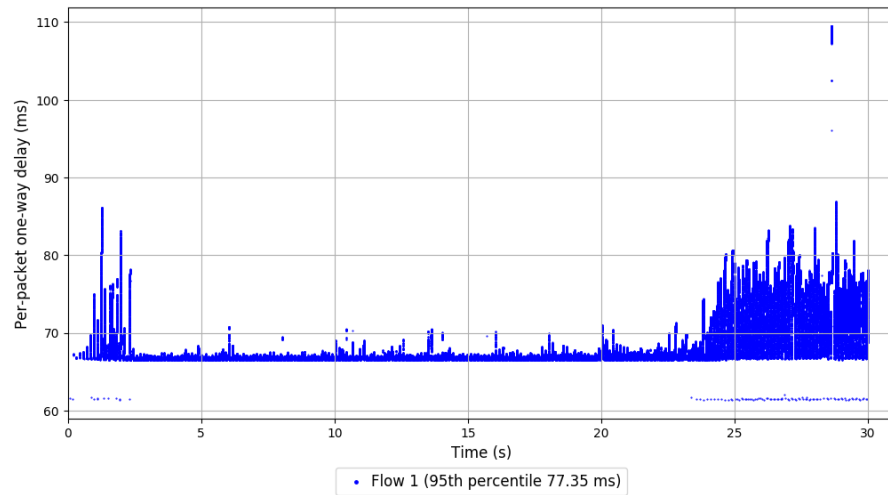
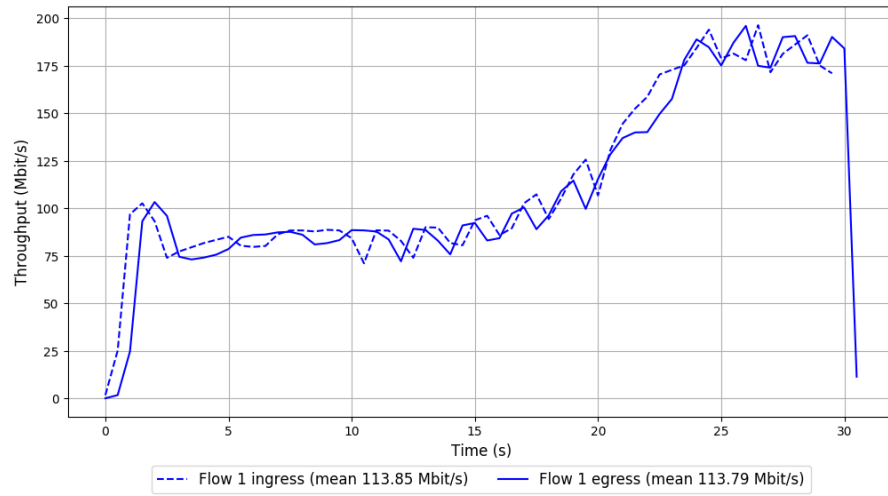


Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 22:45:23
End at: 2018-05-24 22:45:53
Local clock offset: 0.037 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-25 01:38:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.79 Mbit/s
95th percentile per-packet one-way delay: 77.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.79 Mbit/s
95th percentile per-packet one-way delay: 77.352 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

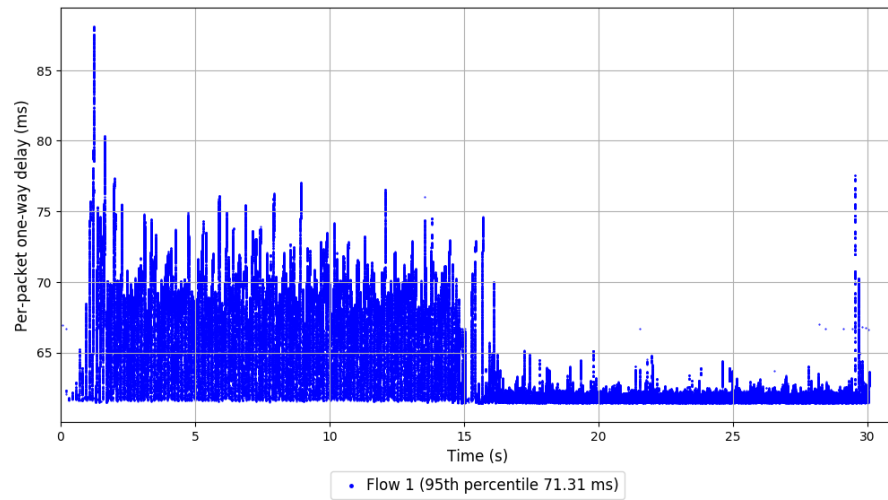
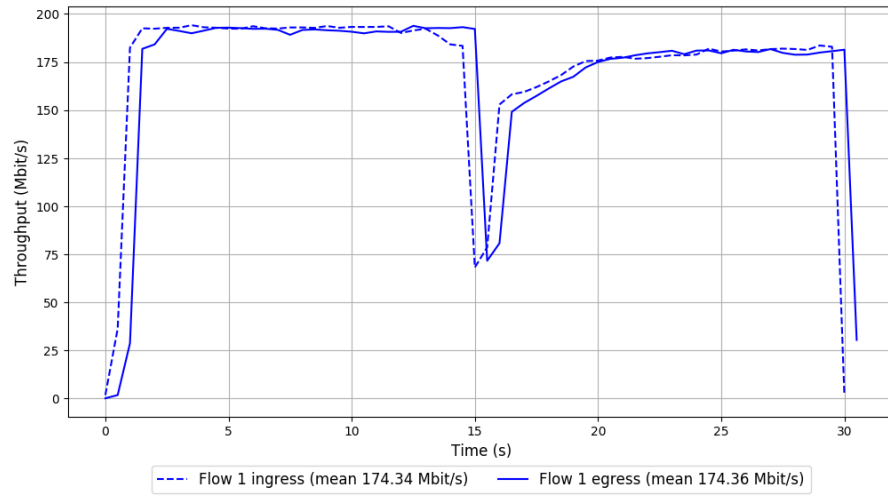


Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 23:05:33
End at: 2018-05-24 23:06:03
Local clock offset: -0.093 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-25 01:38:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 174.36 Mbit/s
95th percentile per-packet one-way delay: 71.311 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 174.36 Mbit/s
95th percentile per-packet one-way delay: 71.311 ms
Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 23:25:51

End at: 2018-05-24 23:26:21

Local clock offset: -0.104 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2018-05-25 01:39:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.23 Mbit/s

95th percentile per-packet one-way delay: 71.851 ms

Loss rate: 0.00%

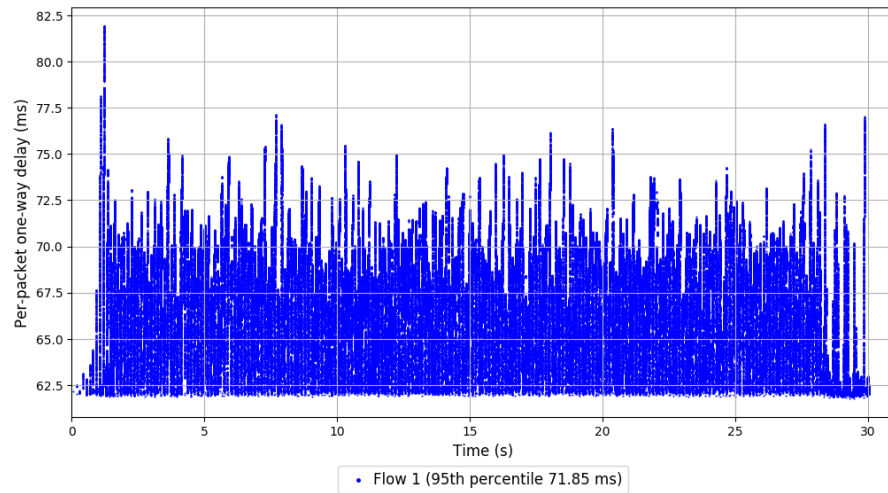
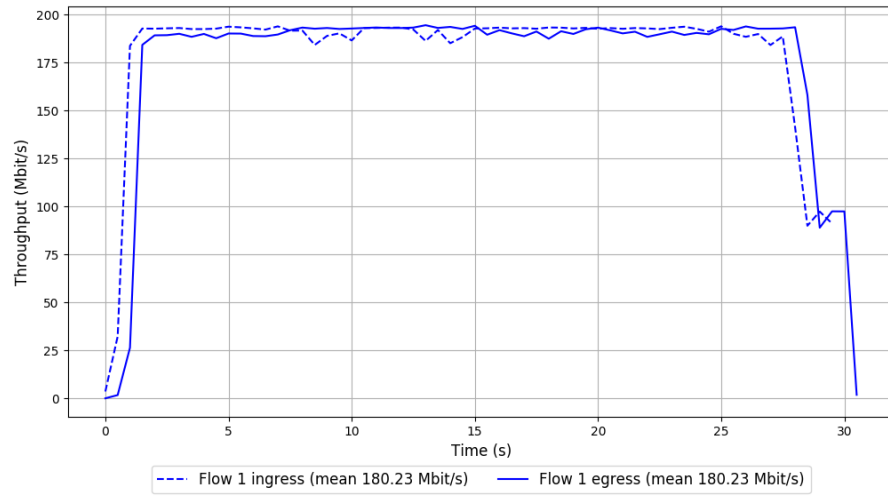
-- Flow 1:

Average throughput: 180.23 Mbit/s

95th percentile per-packet one-way delay: 71.851 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

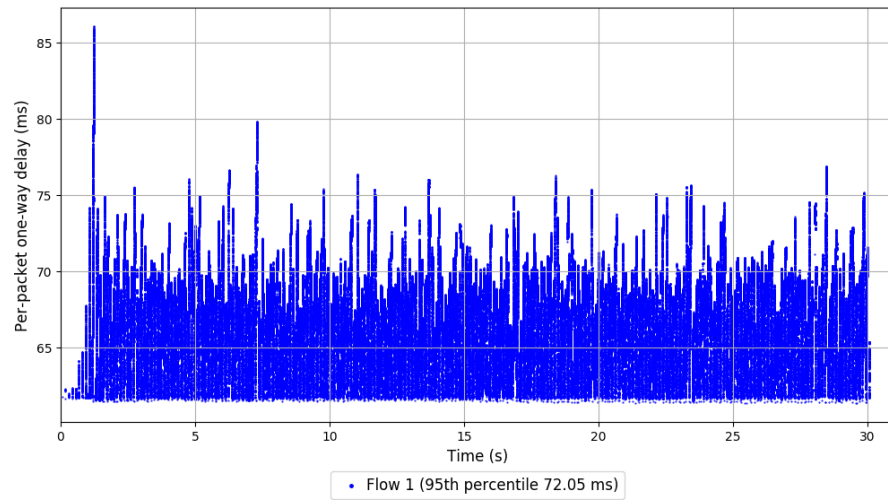
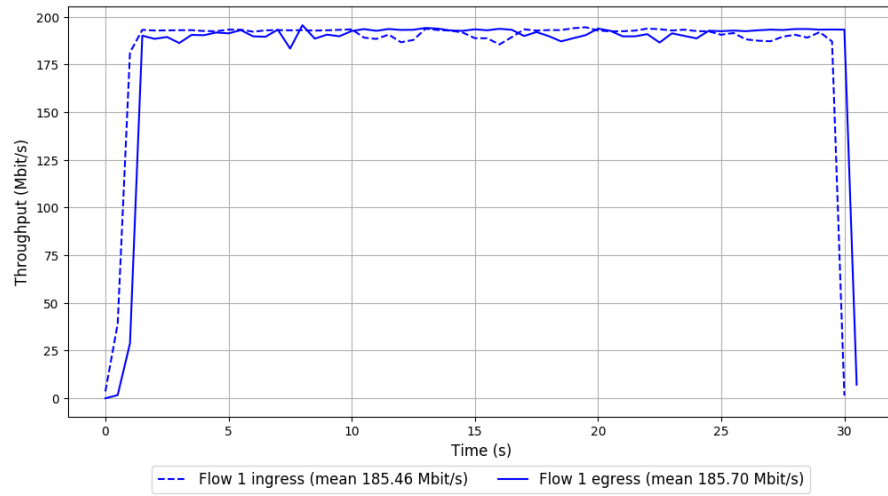


Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 23:46:04
End at: 2018-05-24 23:46:34
Local clock offset: 0.026 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-25 01:39:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.70 Mbit/s
95th percentile per-packet one-way delay: 72.050 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 185.70 Mbit/s
95th percentile per-packet one-way delay: 72.050 ms
Loss rate: 0.03%

Run 6: Report of TCP Cubic — Data Link

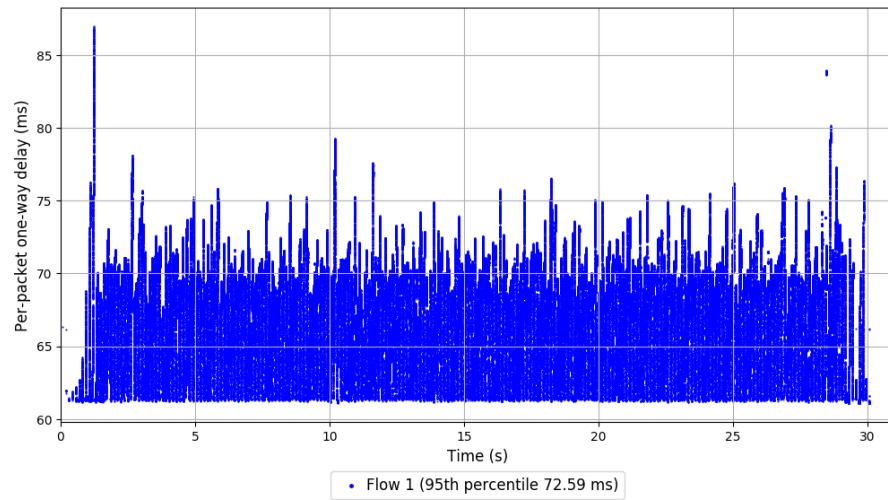
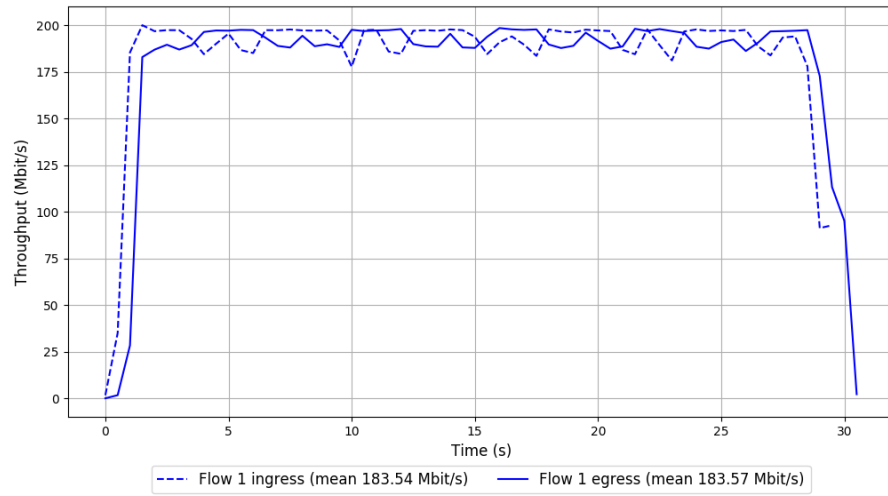


Run 7: Statistics of TCP Cubic

Start at: 2018-05-25 00:06:19
End at: 2018-05-25 00:06:49
Local clock offset: 0.08 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-05-25 01:40:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.57 Mbit/s
95th percentile per-packet one-way delay: 72.587 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.57 Mbit/s
95th percentile per-packet one-way delay: 72.587 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-25 00:26:14

End at: 2018-05-25 00:26:44

Local clock offset: -0.01 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-05-25 01:40:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.17 Mbit/s

95th percentile per-packet one-way delay: 63.689 ms

Loss rate: 0.00%

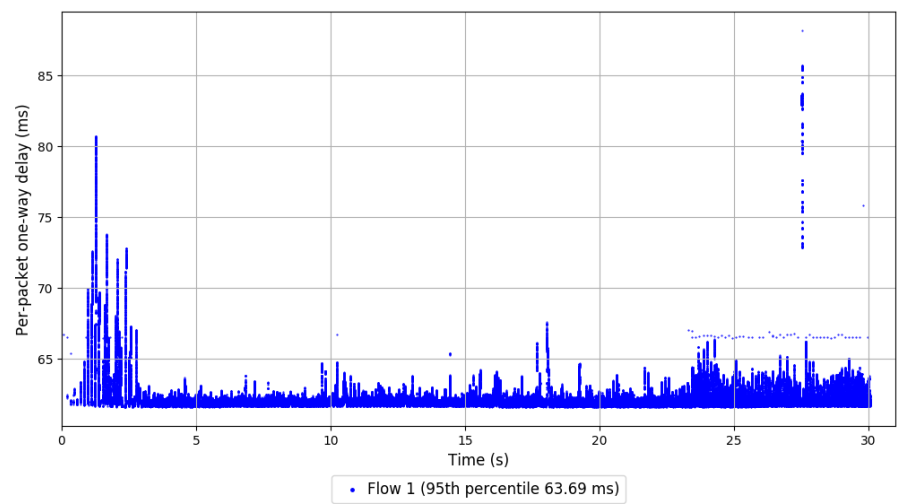
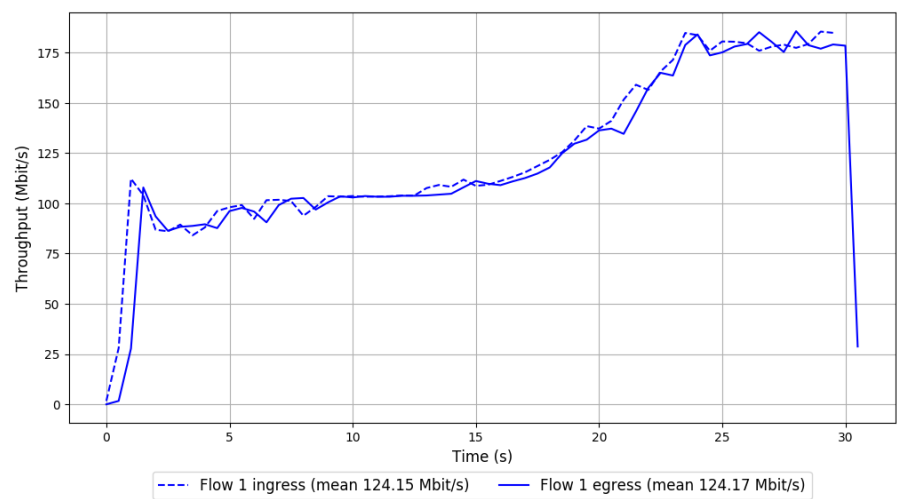
-- Flow 1:

Average throughput: 124.17 Mbit/s

95th percentile per-packet one-way delay: 63.689 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-25 00:45:53

End at: 2018-05-25 00:46:23

Local clock offset: -0.022 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-05-25 01:40:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.75 Mbit/s

95th percentile per-packet one-way delay: 65.031 ms

Loss rate: 0.00%

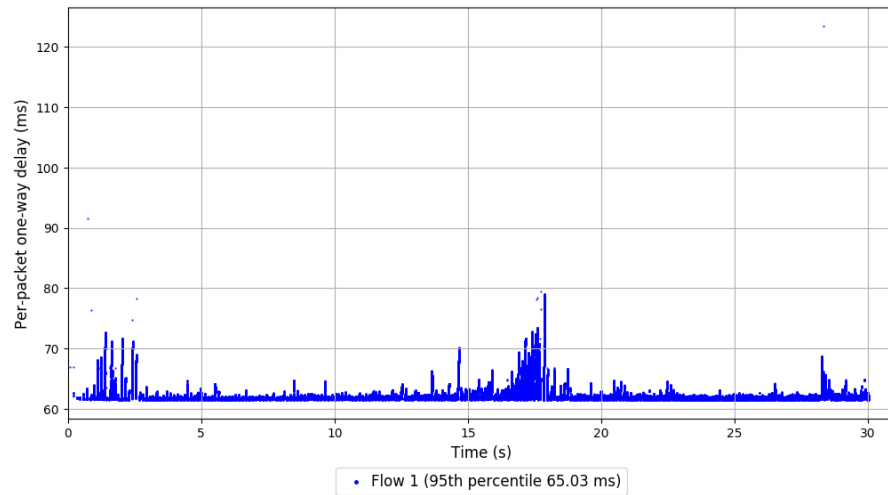
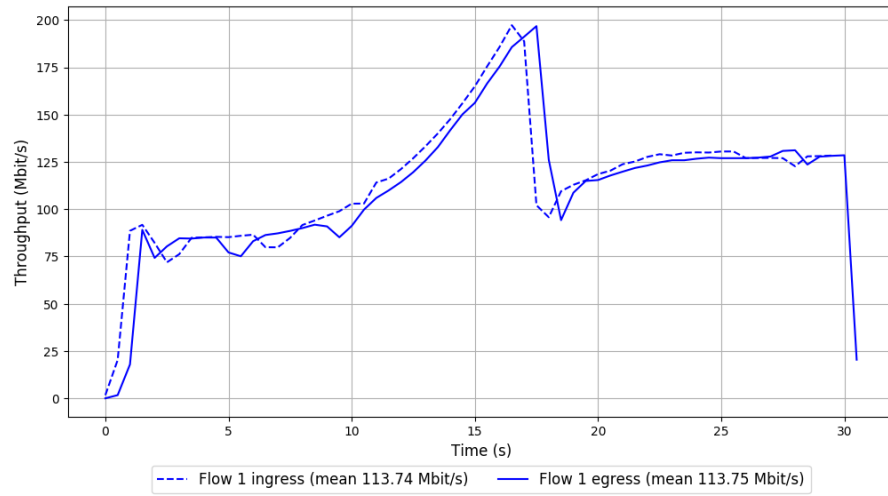
-- Flow 1:

Average throughput: 113.75 Mbit/s

95th percentile per-packet one-way delay: 65.031 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-25 01:06:05

End at: 2018-05-25 01:06:35

Local clock offset: -0.009 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-25 01:41:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.31 Mbit/s

95th percentile per-packet one-way delay: 72.299 ms

Loss rate: 0.00%

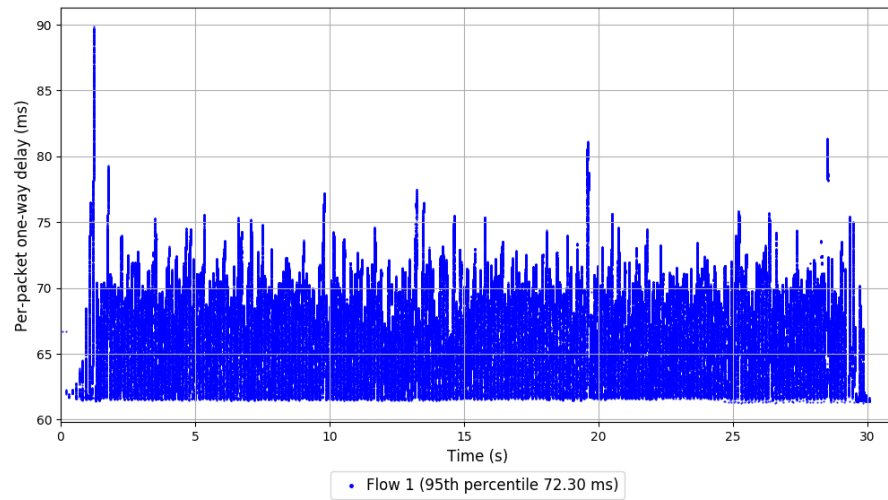
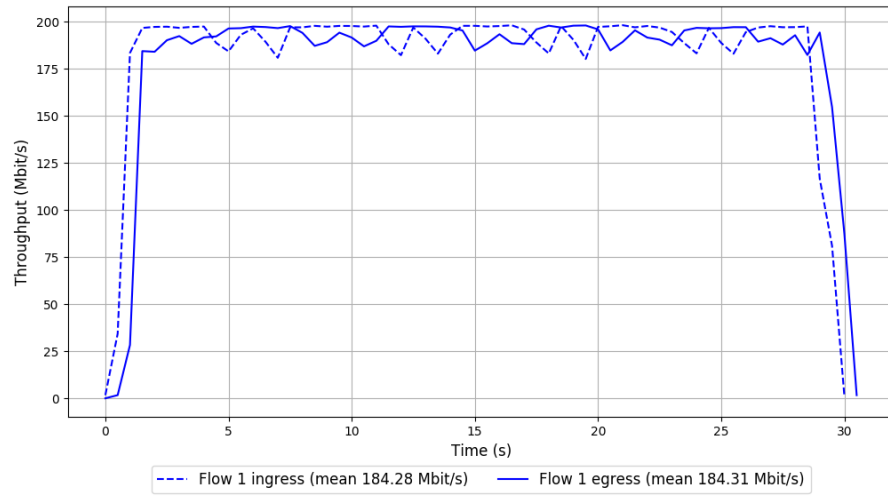
-- Flow 1:

Average throughput: 184.31 Mbit/s

95th percentile per-packet one-way delay: 72.299 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-24 21:57:32

End at: 2018-05-24 21:58:02

Local clock offset: -0.039 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-05-25 01:54:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 644.58 Mbit/s

95th percentile per-packet one-way delay: 263.193 ms

Loss rate: 0.25%

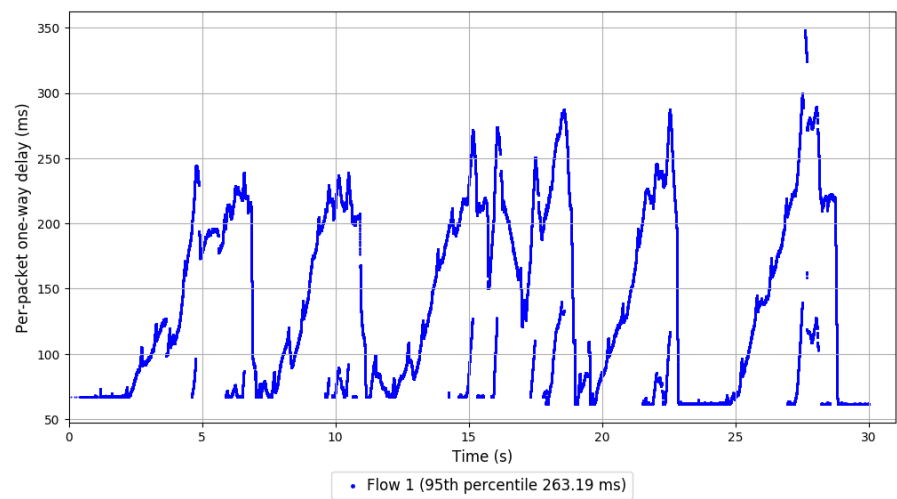
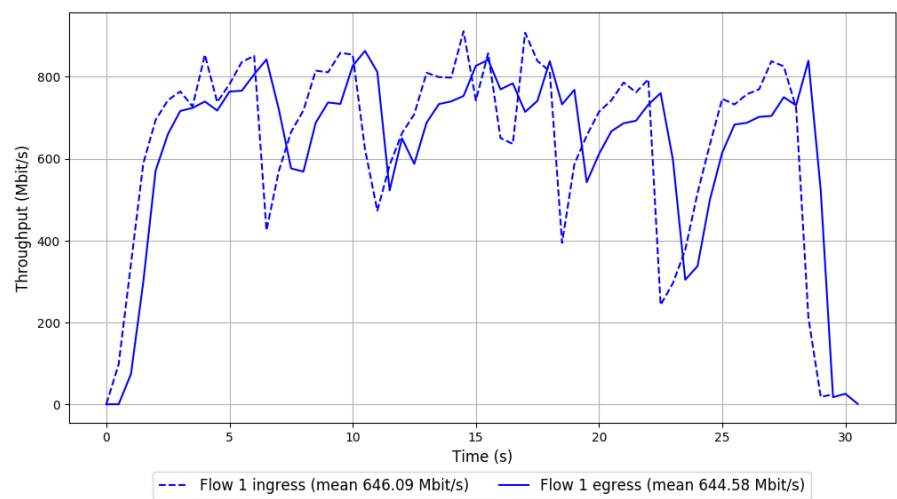
-- Flow 1:

Average throughput: 644.58 Mbit/s

95th percentile per-packet one-way delay: 263.193 ms

Loss rate: 0.25%

Run 1: Report of FillP — Data Link

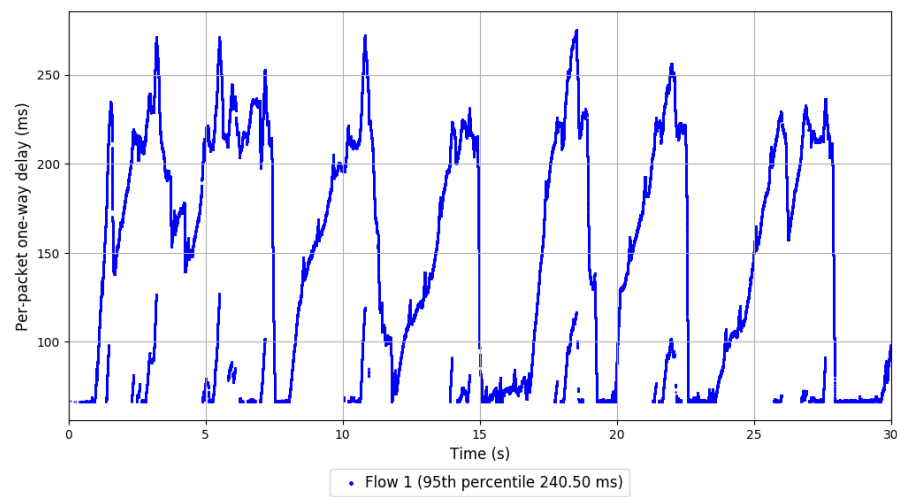
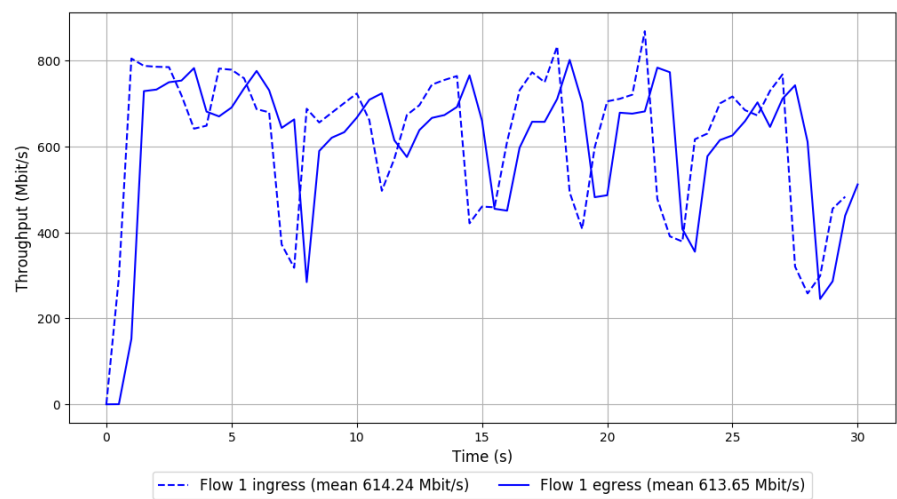


Run 2: Statistics of FillP

Start at: 2018-05-24 22:17:50
End at: 2018-05-24 22:18:20
Local clock offset: 0.035 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-05-25 01:54:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 613.65 Mbit/s
95th percentile per-packet one-way delay: 240.500 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 613.65 Mbit/s
95th percentile per-packet one-way delay: 240.500 ms
Loss rate: 0.11%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-24 22:37:55

End at: 2018-05-24 22:38:25

Local clock offset: -0.007 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-05-25 01:55:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 665.19 Mbit/s

95th percentile per-packet one-way delay: 251.618 ms

Loss rate: 0.49%

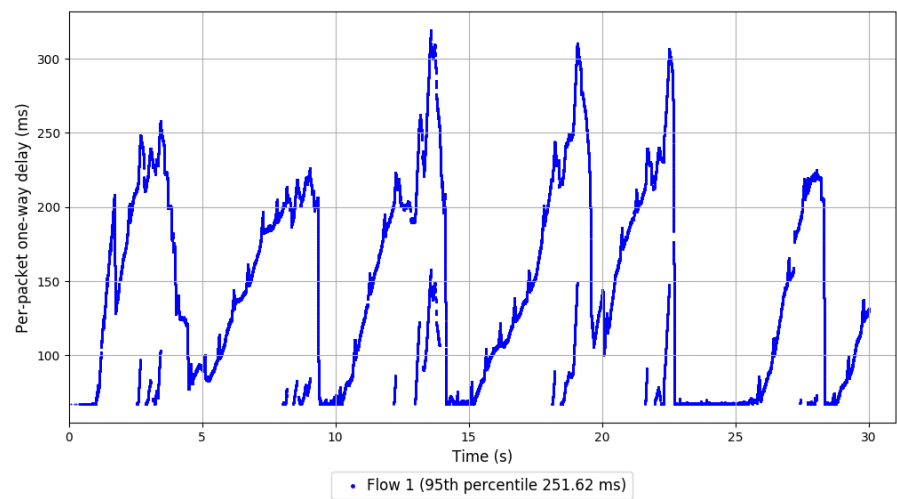
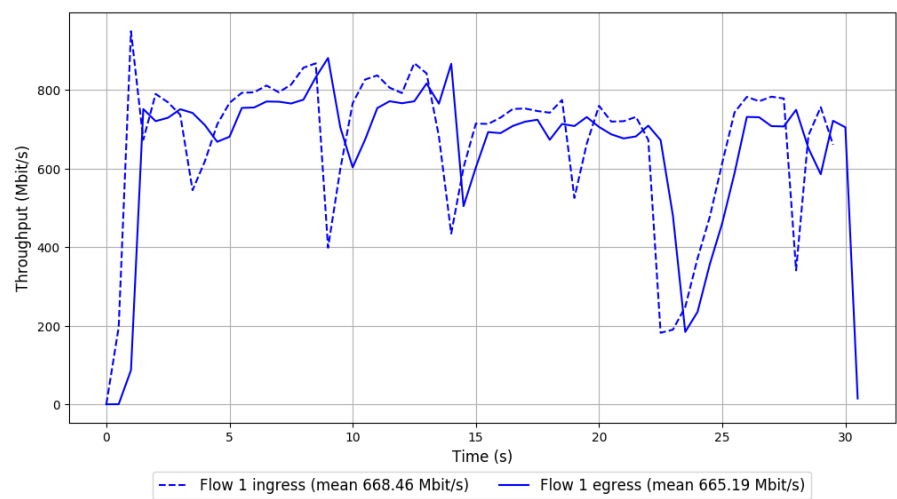
-- Flow 1:

Average throughput: 665.19 Mbit/s

95th percentile per-packet one-way delay: 251.618 ms

Loss rate: 0.49%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-24 22:58:02

End at: 2018-05-24 22:58:32

Local clock offset: -0.065 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-05-25 01:55:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 598.39 Mbit/s

95th percentile per-packet one-way delay: 265.817 ms

Loss rate: 0.20%

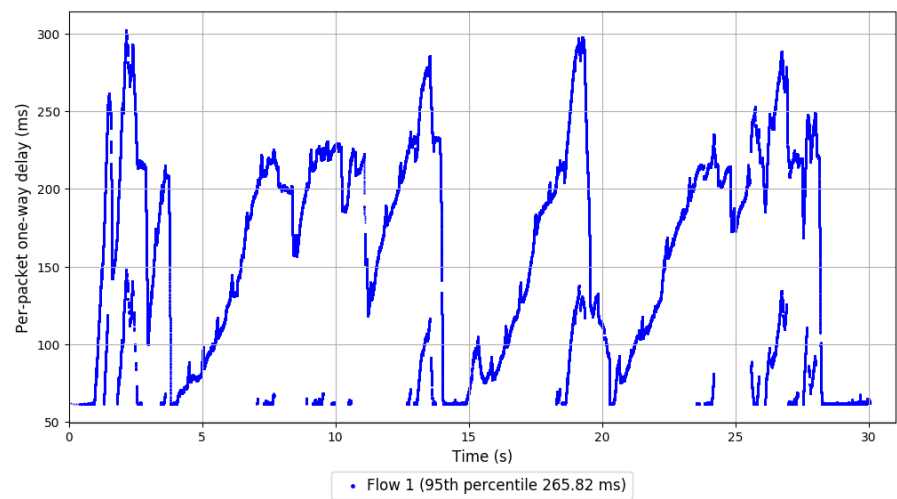
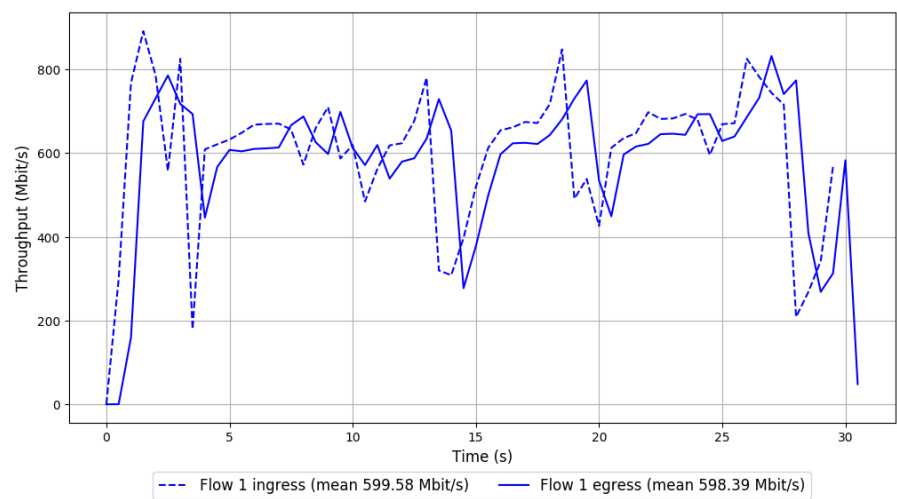
-- Flow 1:

Average throughput: 598.39 Mbit/s

95th percentile per-packet one-way delay: 265.817 ms

Loss rate: 0.20%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-24 23:18:23

End at: 2018-05-24 23:18:53

Local clock offset: -0.078 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-05-25 01:55:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 660.20 Mbit/s

95th percentile per-packet one-way delay: 226.746 ms

Loss rate: 0.00%

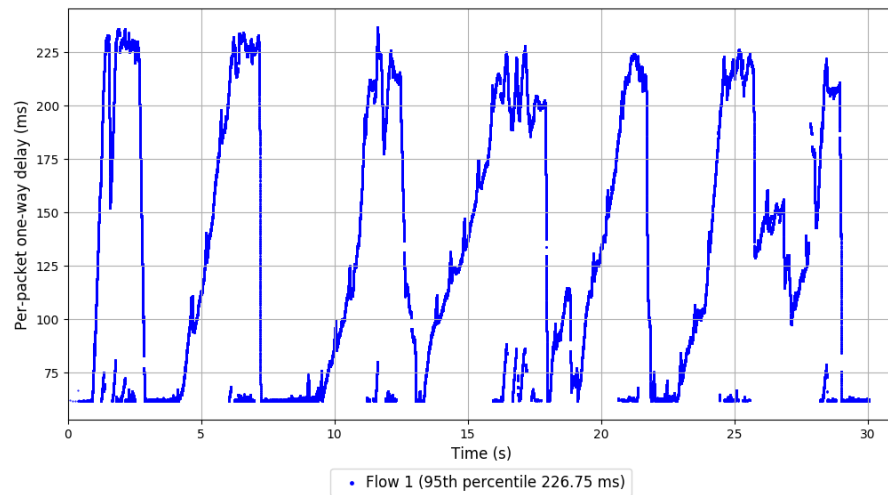
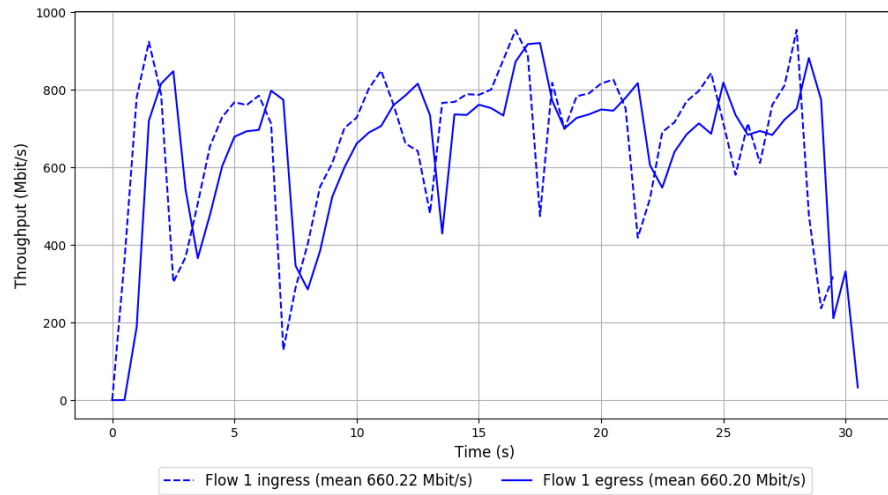
-- Flow 1:

Average throughput: 660.20 Mbit/s

95th percentile per-packet one-way delay: 226.746 ms

Loss rate: 0.00%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-24 23:38:33

End at: 2018-05-24 23:39:03

Local clock offset: 0.023 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-05-25 01:55:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 669.92 Mbit/s

95th percentile per-packet one-way delay: 238.283 ms

Loss rate: 0.15%

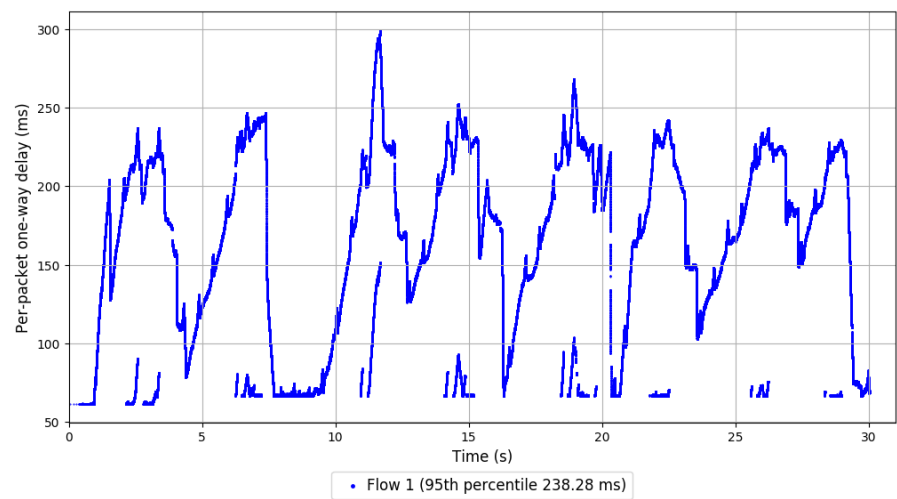
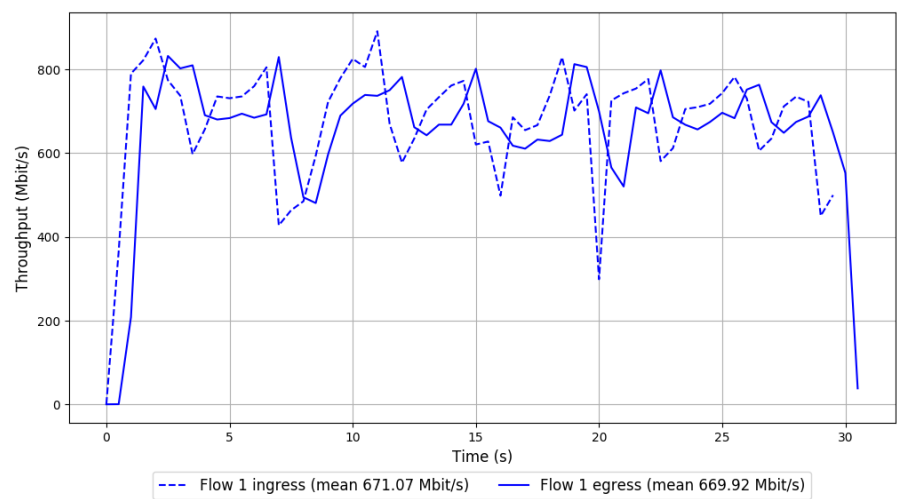
-- Flow 1:

Average throughput: 669.92 Mbit/s

95th percentile per-packet one-way delay: 238.283 ms

Loss rate: 0.15%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-24 23:58:42

End at: 2018-05-24 23:59:12

Local clock offset: 0.04 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-05-25 01:57:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 688.06 Mbit/s

95th percentile per-packet one-way delay: 249.700 ms

Loss rate: 0.59%

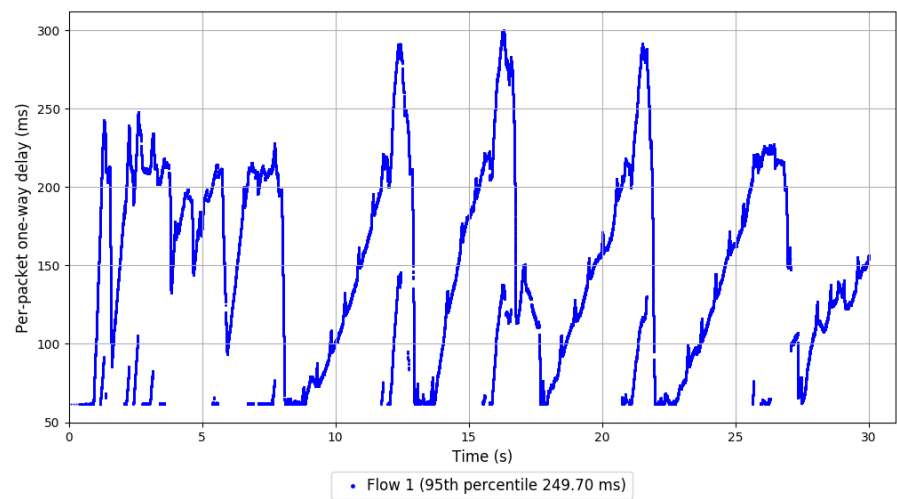
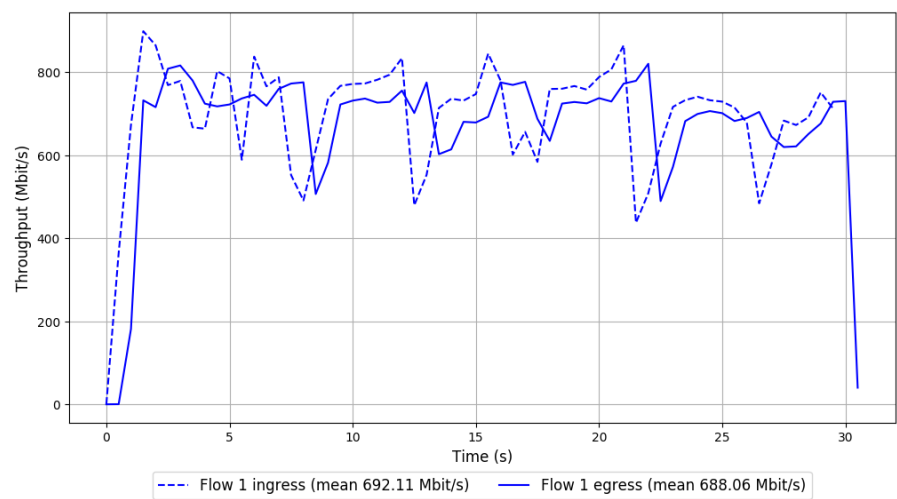
-- Flow 1:

Average throughput: 688.06 Mbit/s

95th percentile per-packet one-way delay: 249.700 ms

Loss rate: 0.59%

Run 7: Report of FillP — Data Link

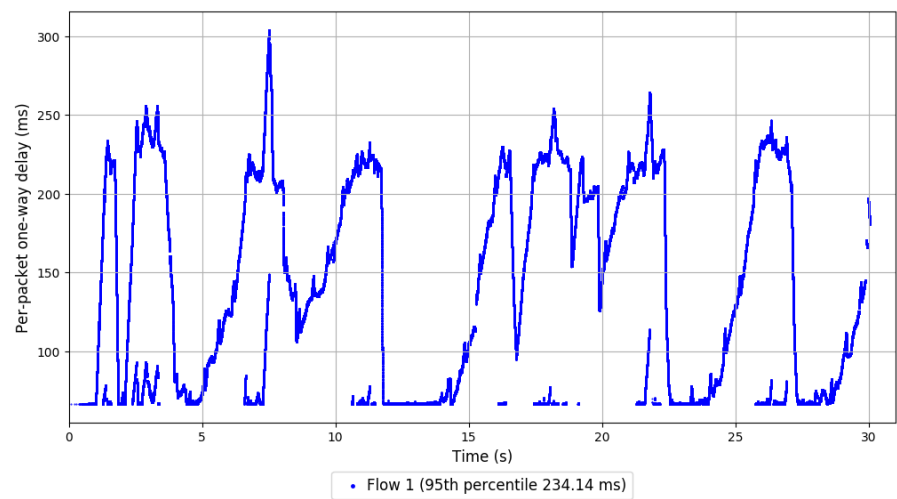
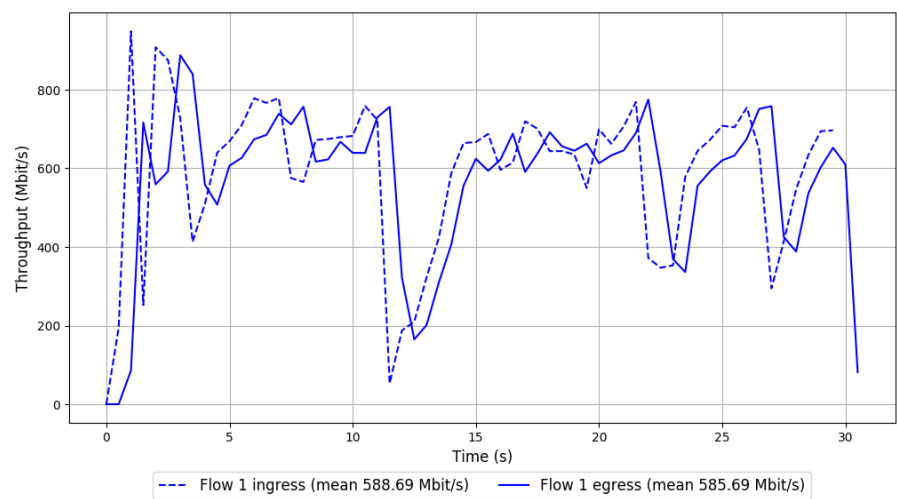


Run 8: Statistics of FillP

Start at: 2018-05-25 00:18:51
End at: 2018-05-25 00:19:21
Local clock offset: -0.041 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-25 01:57:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 585.69 Mbit/s
95th percentile per-packet one-way delay: 234.136 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 585.69 Mbit/s
95th percentile per-packet one-way delay: 234.136 ms
Loss rate: 0.51%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-25 00:38:25

End at: 2018-05-25 00:38:55

Local clock offset: -0.032 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-05-25 02:09:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 615.96 Mbit/s

95th percentile per-packet one-way delay: 232.611 ms

Loss rate: 0.00%

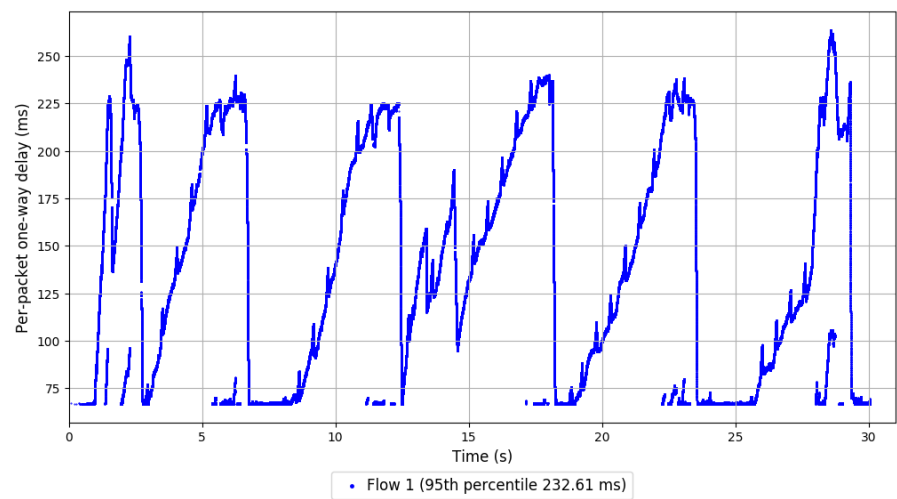
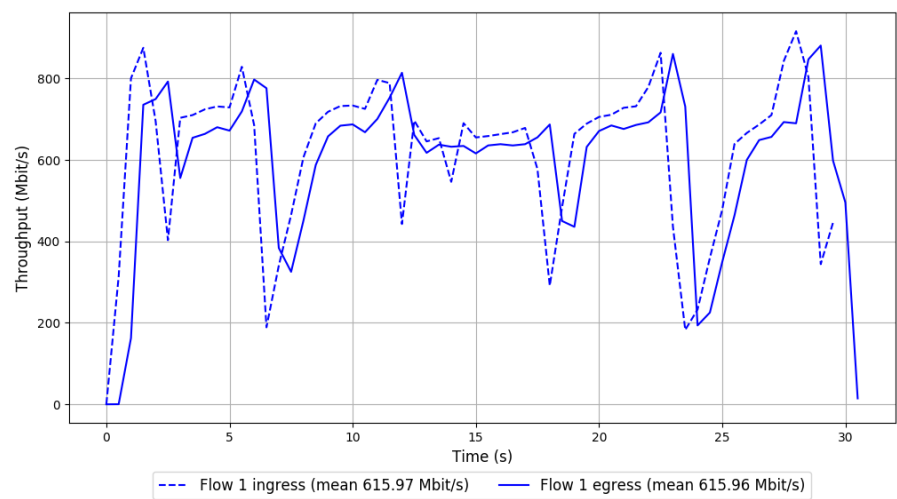
-- Flow 1:

Average throughput: 615.96 Mbit/s

95th percentile per-packet one-way delay: 232.611 ms

Loss rate: 0.00%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-25 00:58:31

End at: 2018-05-25 00:59:01

Local clock offset: -0.06 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 667.73 Mbit/s

95th percentile per-packet one-way delay: 231.787 ms

Loss rate: 0.54%

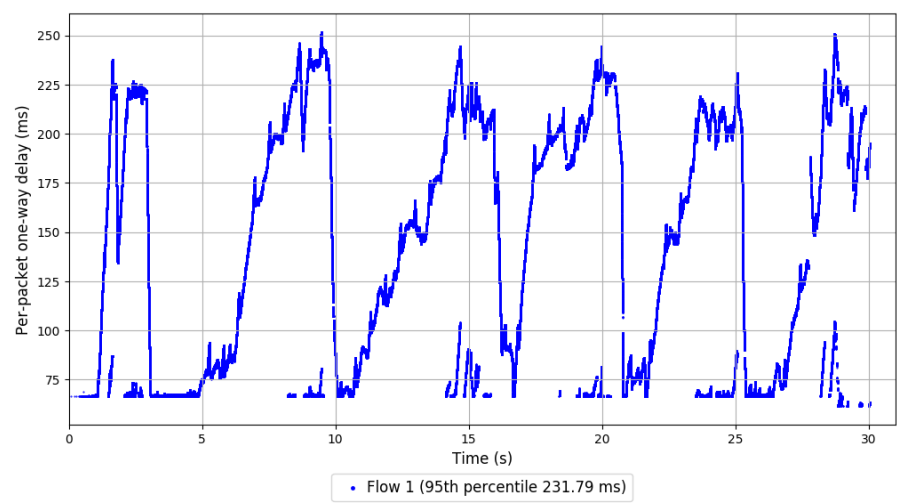
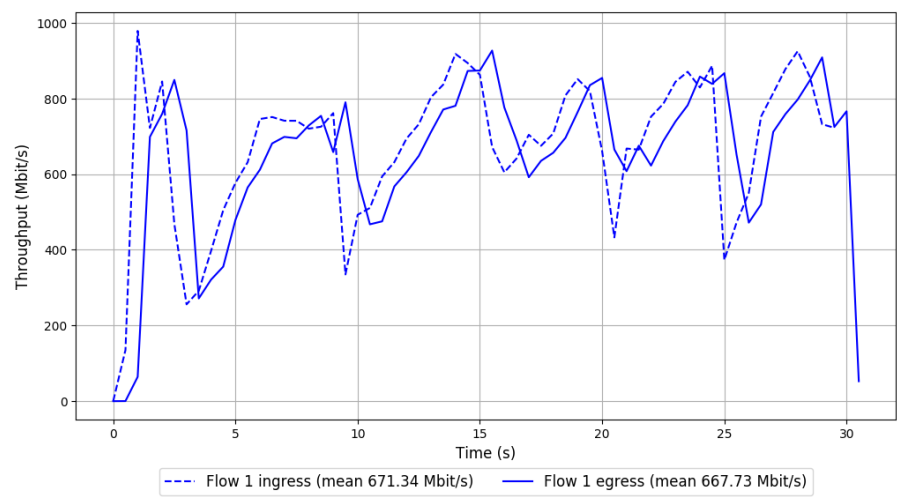
-- Flow 1:

Average throughput: 667.73 Mbit/s

95th percentile per-packet one-way delay: 231.787 ms

Loss rate: 0.54%

Run 10: Report of FillP — Data Link

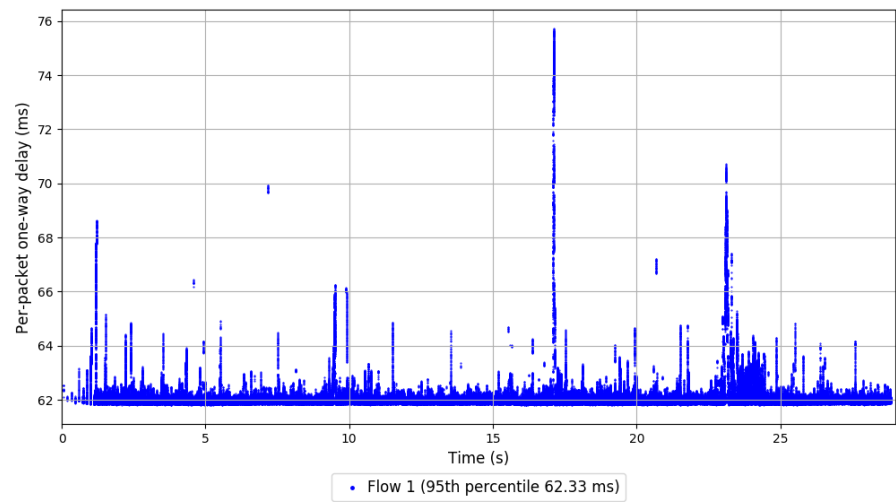
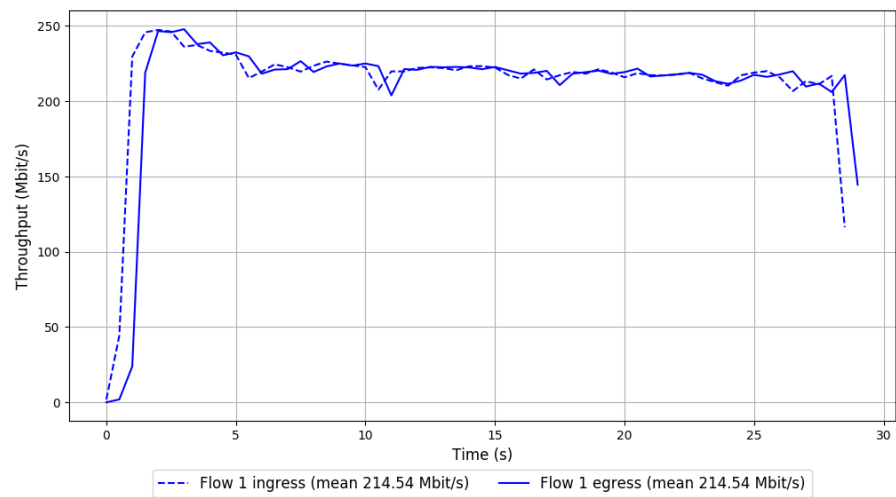


```
Run 1: Statistics of Indigo

Start at: 2018-05-24 22:15:02
End at: 2018-05-24 22:15:32
Local clock offset: -0.015 ms
Remote clock offset: 0.373 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.54 Mbit/s
95th percentile per-packet one-way delay: 62.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.54 Mbit/s
95th percentile per-packet one-way delay: 62.328 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo — Data Link

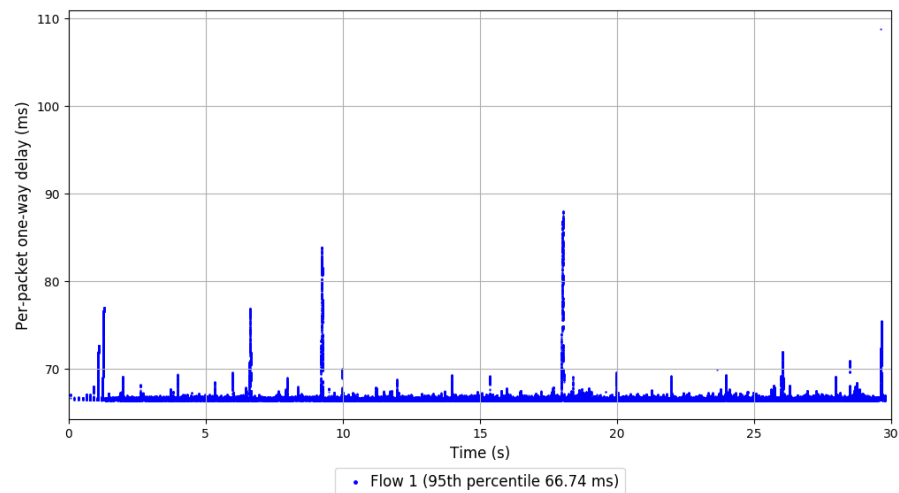
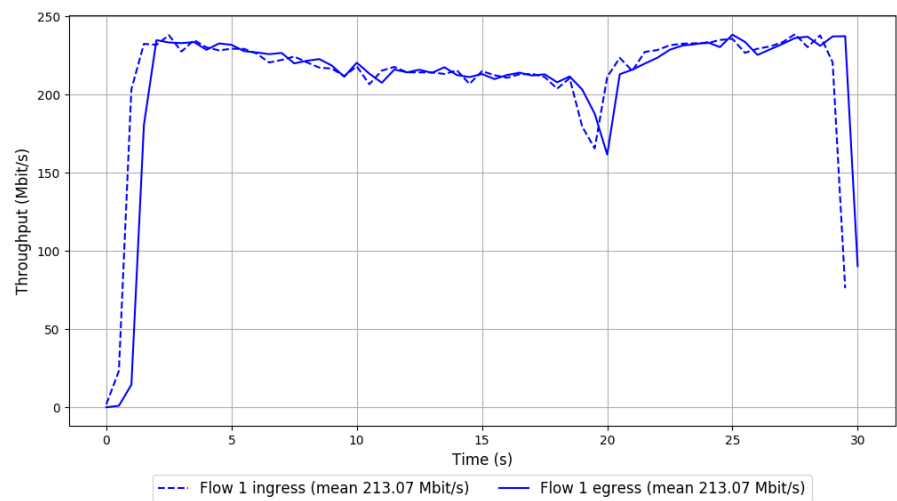


Run 2: Statistics of Indigo

Start at: 2018-05-24 22:35:05
End at: 2018-05-24 22:35:35
Local clock offset: -0.004 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-05-25 02:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.07 Mbit/s
95th percentile per-packet one-way delay: 66.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.07 Mbit/s
95th percentile per-packet one-way delay: 66.743 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

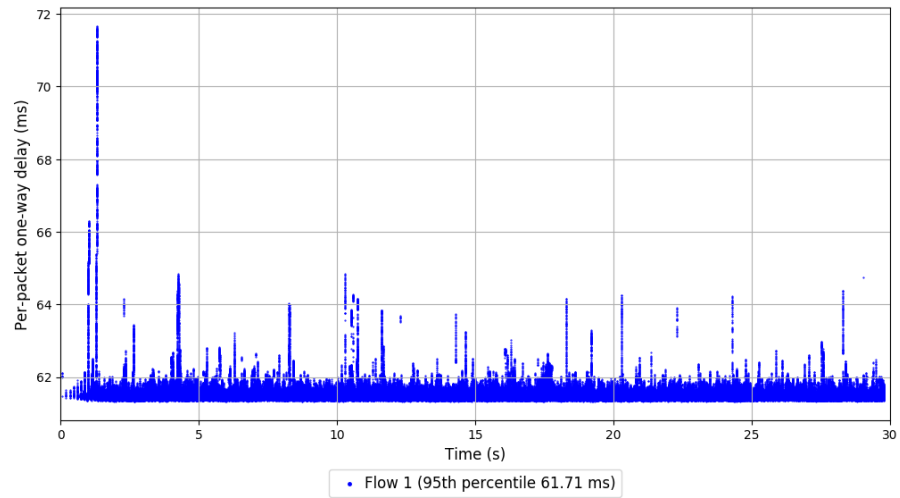
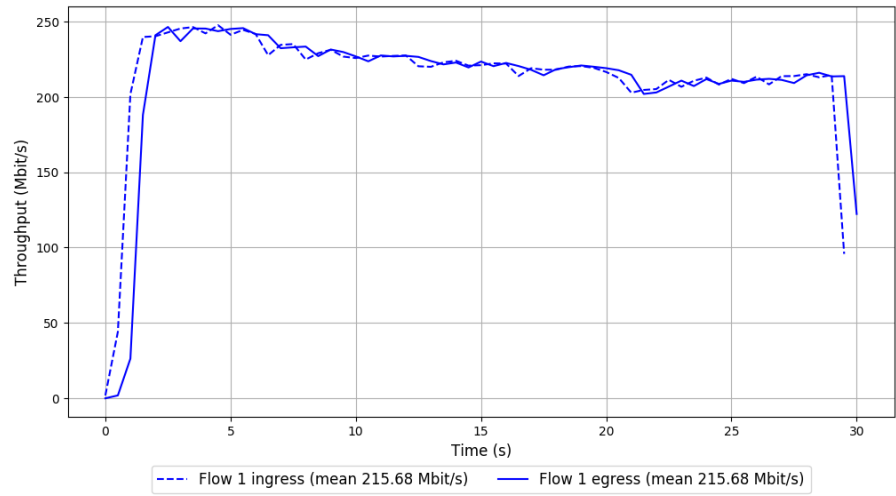


Run 3: Statistics of Indigo

Start at: 2018-05-24 22:55:13
End at: 2018-05-24 22:55:43
Local clock offset: -0.104 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-05-25 02:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.68 Mbit/s
95th percentile per-packet one-way delay: 61.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.68 Mbit/s
95th percentile per-packet one-way delay: 61.707 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-24 23:15:33

End at: 2018-05-24 23:16:03

Local clock offset: -0.073 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.82 Mbit/s

95th percentile per-packet one-way delay: 62.242 ms

Loss rate: 0.00%

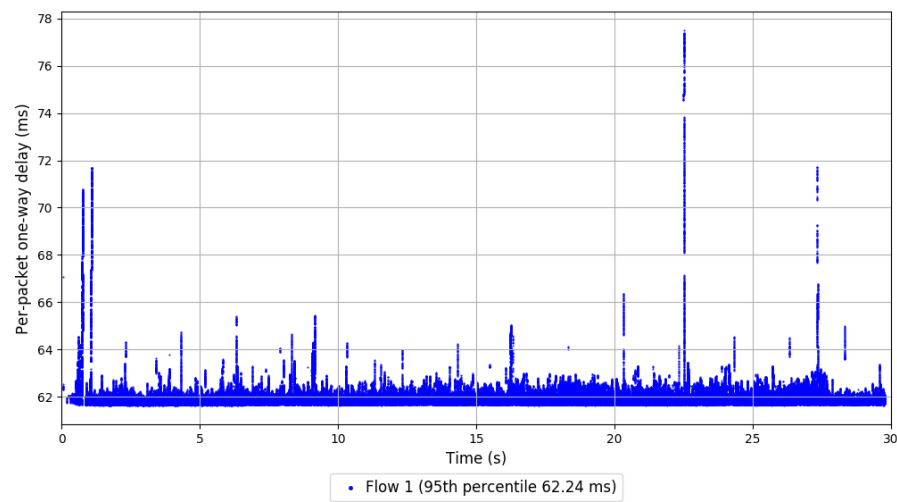
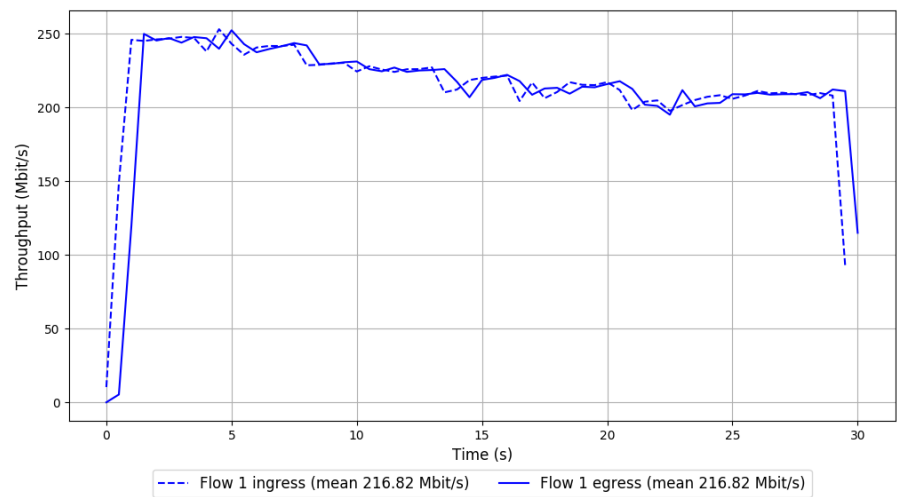
-- Flow 1:

Average throughput: 216.82 Mbit/s

95th percentile per-packet one-way delay: 62.242 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-24 23:35:47

End at: 2018-05-24 23:36:17

Local clock offset: -0.027 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.89 Mbit/s

95th percentile per-packet one-way delay: 61.992 ms

Loss rate: 0.00%

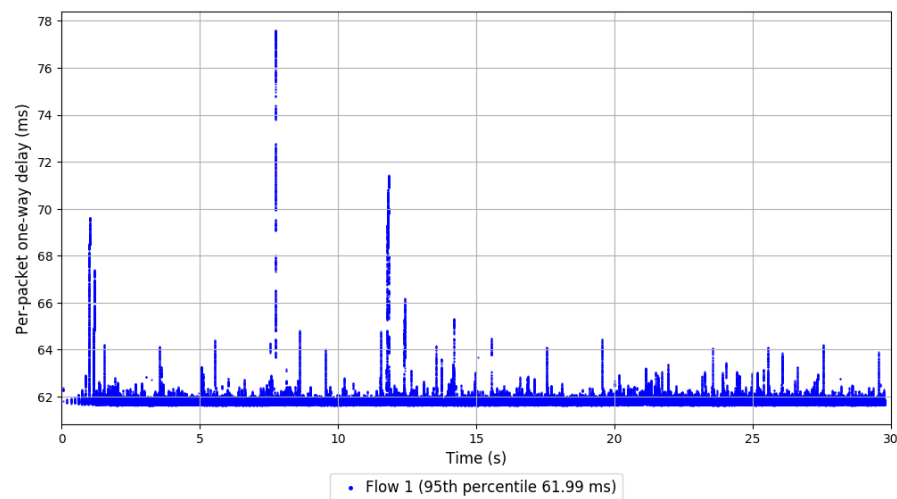
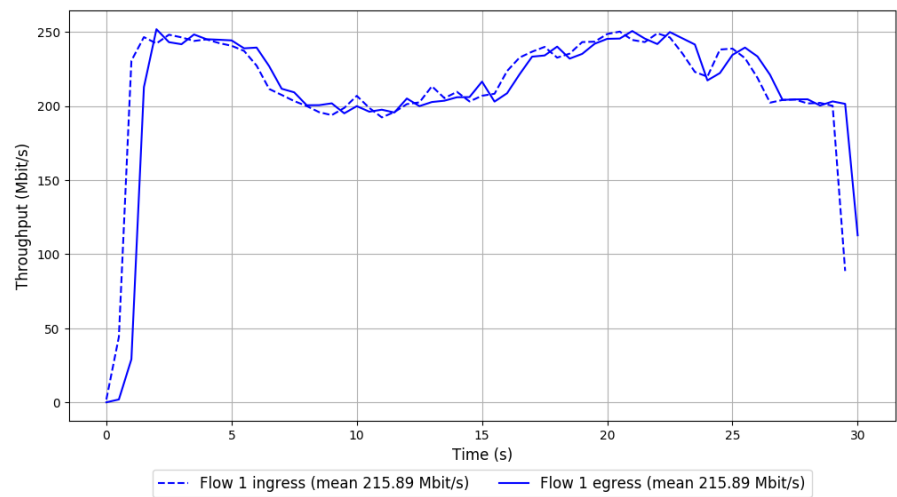
-- Flow 1:

Average throughput: 215.89 Mbit/s

95th percentile per-packet one-way delay: 61.992 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-24 23:55:55

End at: 2018-05-24 23:56:25

Local clock offset: 0.006 ms

Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.95 Mbit/s

95th percentile per-packet one-way delay: 61.674 ms

Loss rate: 0.00%

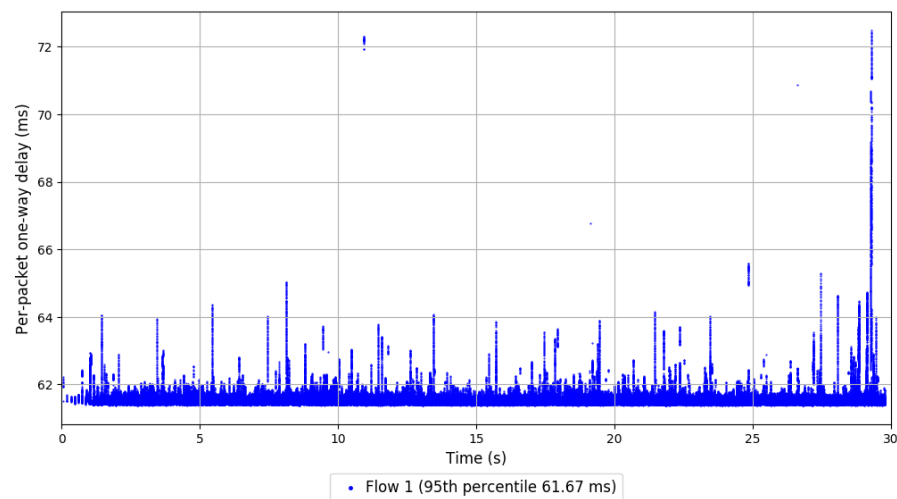
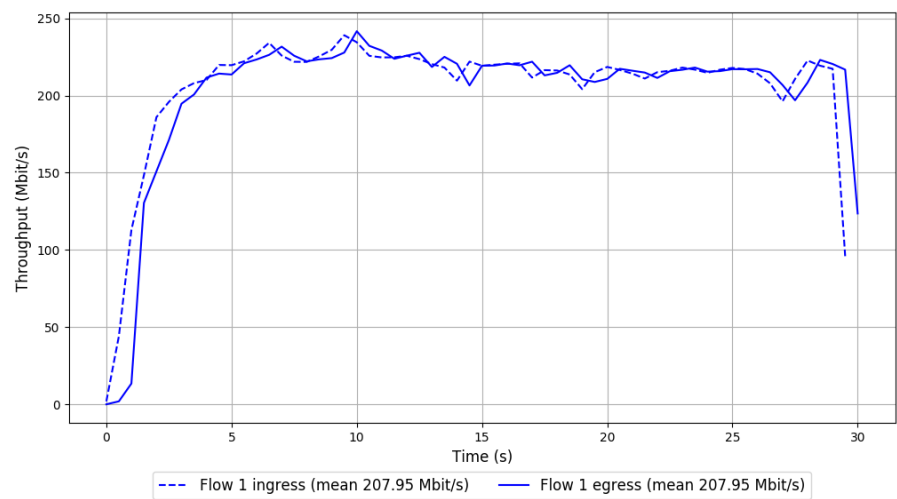
-- Flow 1:

Average throughput: 207.95 Mbit/s

95th percentile per-packet one-way delay: 61.674 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

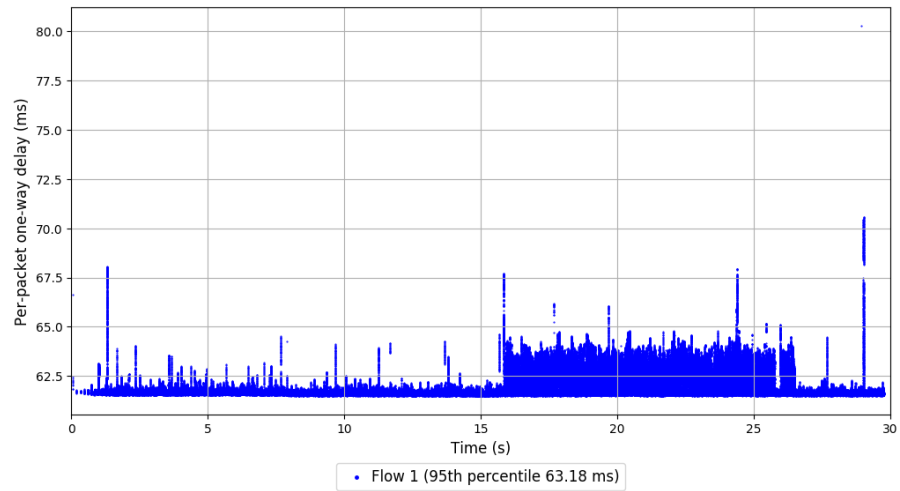
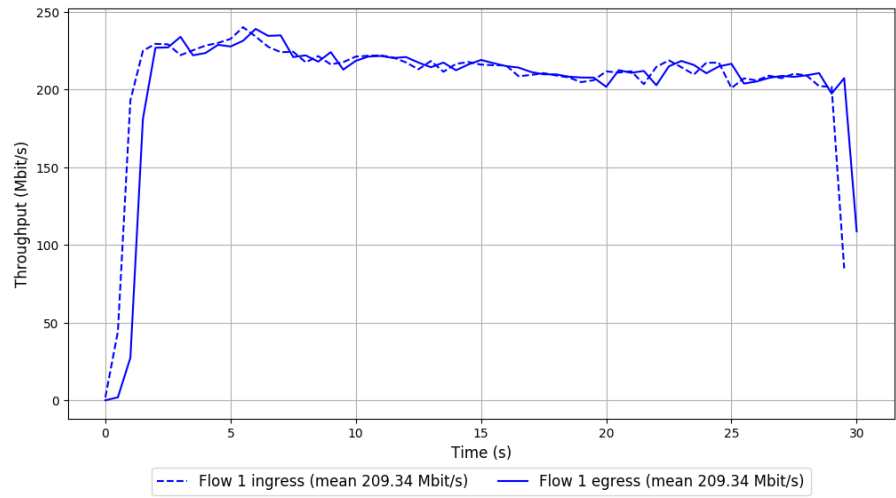


Run 7: Statistics of Indigo

Start at: 2018-05-25 00:16:01
End at: 2018-05-25 00:16:31
Local clock offset: -0.021 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-25 02:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.34 Mbit/s
95th percentile per-packet one-way delay: 63.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.34 Mbit/s
95th percentile per-packet one-way delay: 63.179 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-25 00:35:45

End at: 2018-05-25 00:36:15

Local clock offset: -0.044 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.96 Mbit/s

95th percentile per-packet one-way delay: 62.241 ms

Loss rate: 0.00%

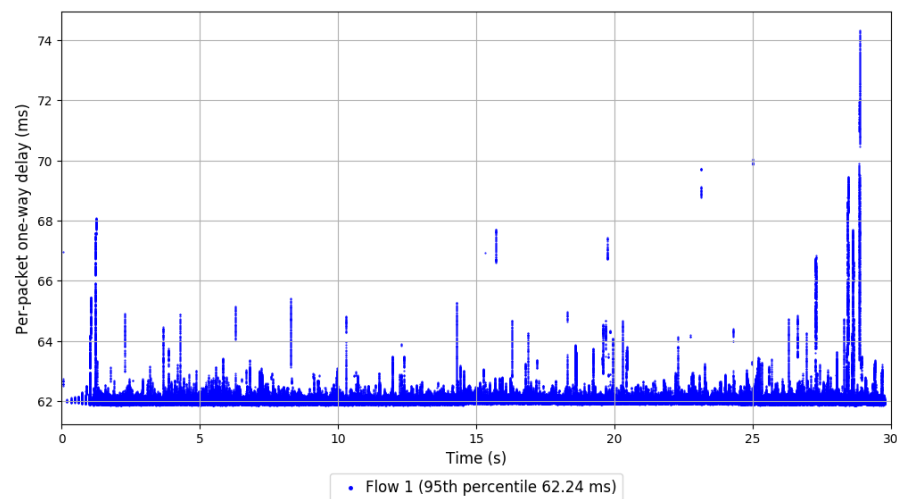
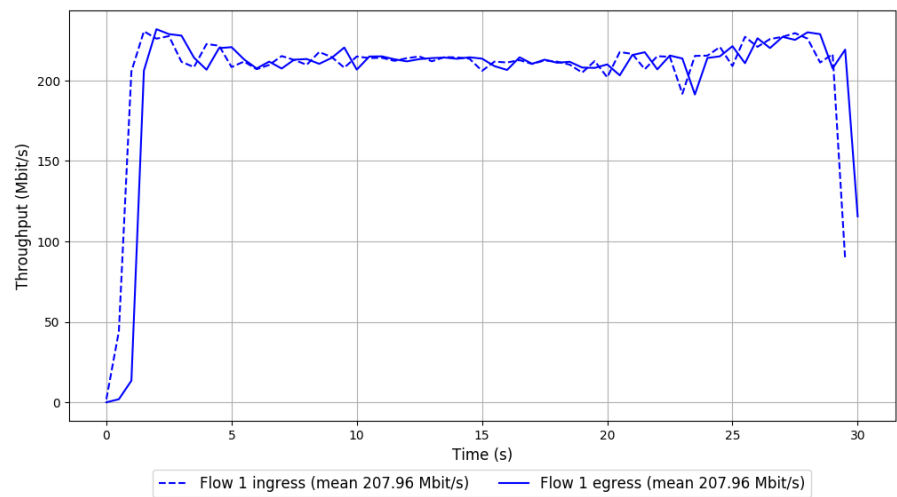
-- Flow 1:

Average throughput: 207.96 Mbit/s

95th percentile per-packet one-way delay: 62.241 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

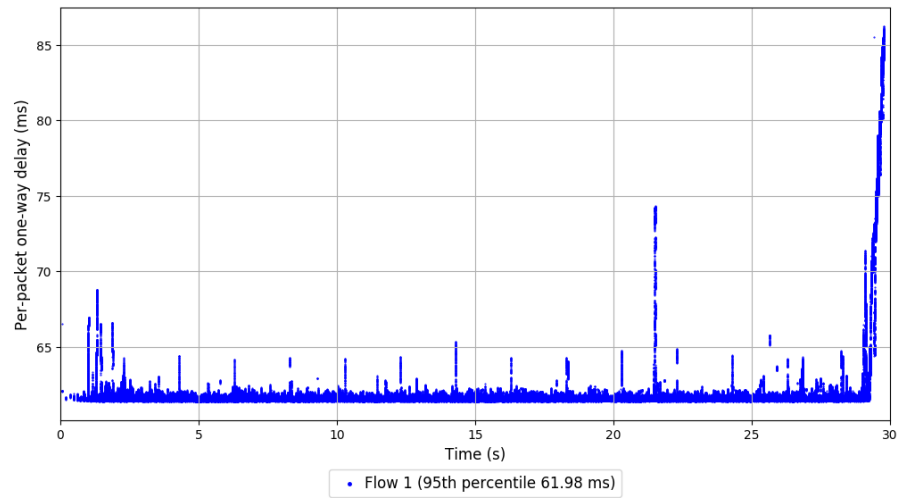
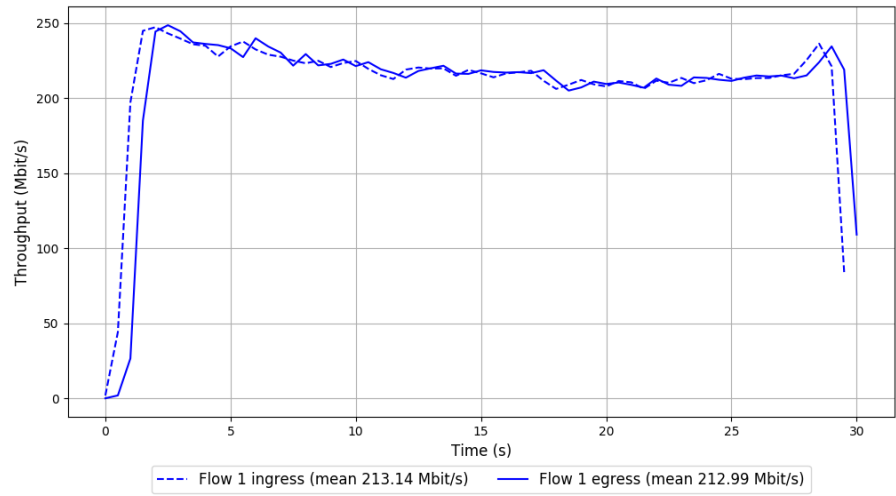


Run 9: Statistics of Indigo

Start at: 2018-05-25 00:55:39
End at: 2018-05-25 00:56:09
Local clock offset: -0.015 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-25 02:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.99 Mbit/s
95th percentile per-packet one-way delay: 61.977 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 212.99 Mbit/s
95th percentile per-packet one-way delay: 61.977 ms
Loss rate: 0.05%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-25 01:15:41

End at: 2018-05-25 01:16:11

Local clock offset: -0.038 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.98 Mbit/s

95th percentile per-packet one-way delay: 62.008 ms

Loss rate: 0.00%

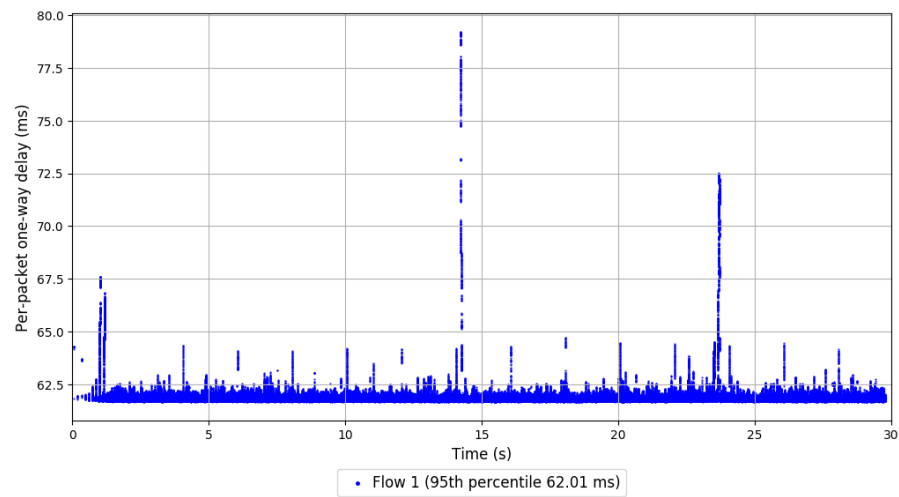
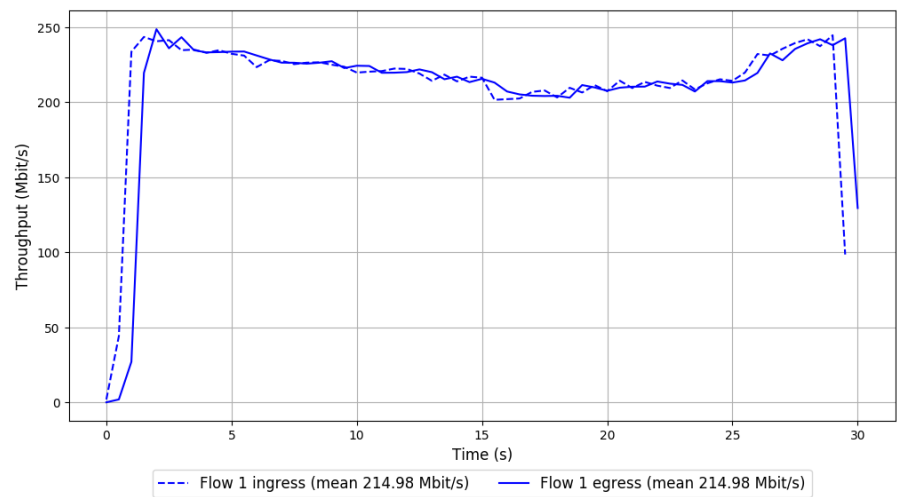
-- Flow 1:

Average throughput: 214.98 Mbit/s

95th percentile per-packet one-way delay: 62.008 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

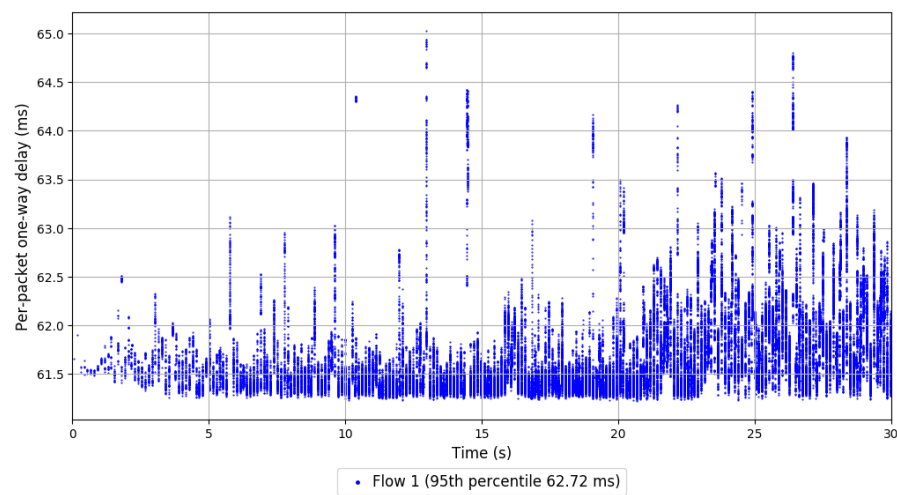
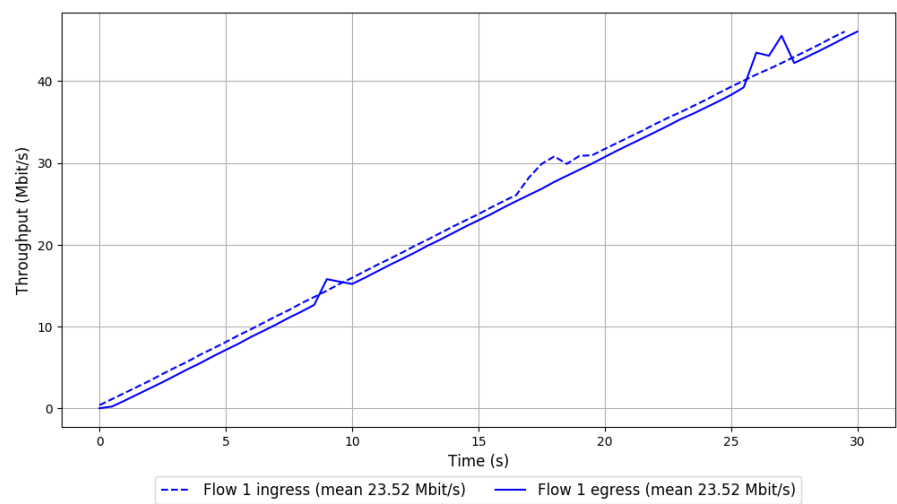


Run 1: Statistics of LEDBAT

Start at: 2018-05-24 22:06:29
End at: 2018-05-24 22:06:59
Local clock offset: 0.013 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-05-25 02:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 62.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 62.722 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

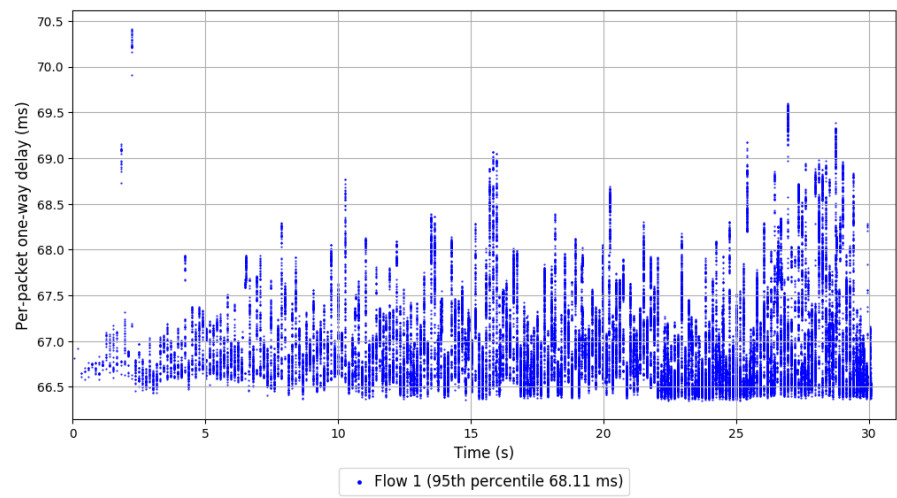
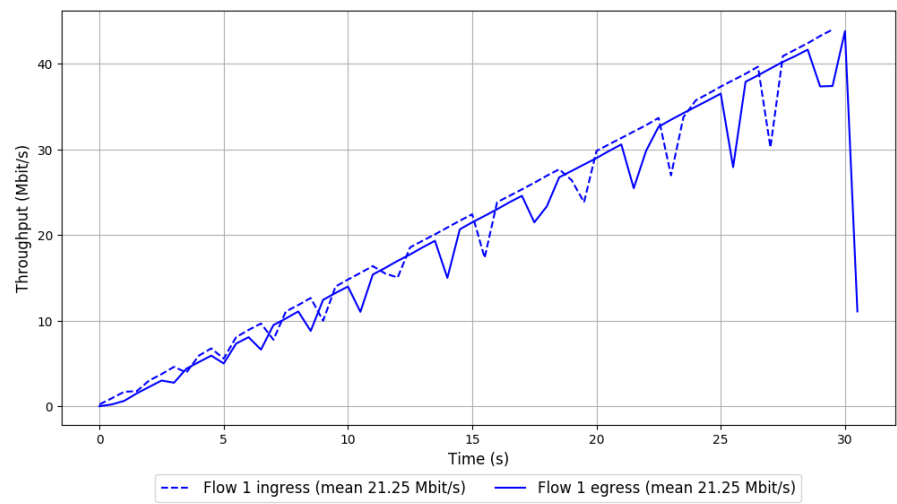


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 22:26:34
End at: 2018-05-24 22:27:04
Local clock offset: 0.028 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-05-25 02:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 68.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 68.115 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

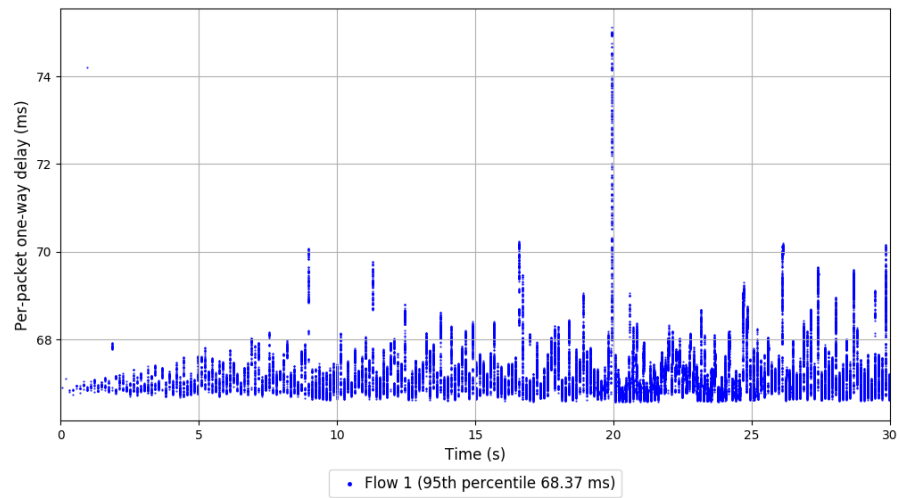
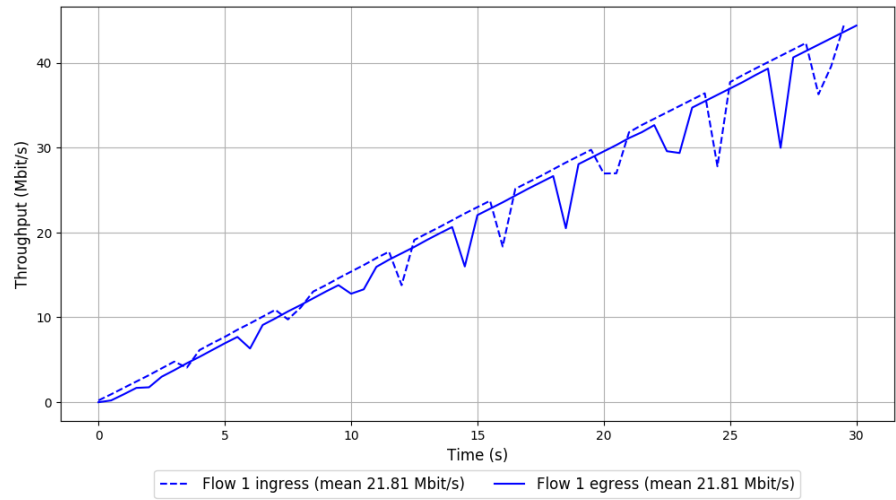


Run 3: Statistics of LEDBAT

Start at: 2018-05-24 22:46:35
End at: 2018-05-24 22:47:05
Local clock offset: -0.05 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-25 02:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 68.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 68.367 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-24 23:06:48

End at: 2018-05-24 23:07:18

Local clock offset: -0.072 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.98 Mbit/s

95th percentile per-packet one-way delay: 62.403 ms

Loss rate: 0.00%

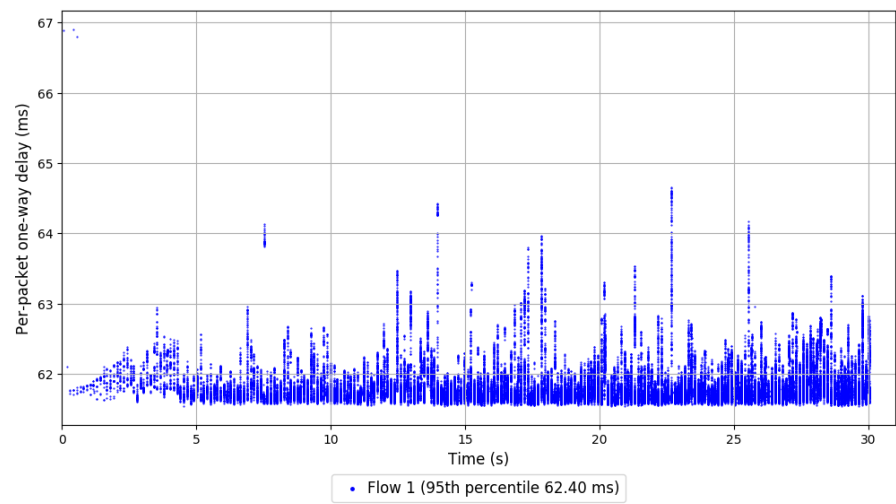
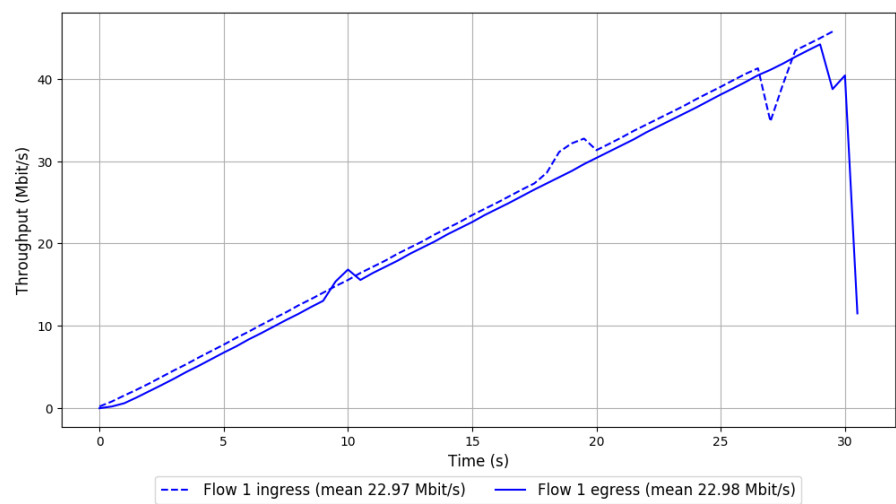
-- Flow 1:

Average throughput: 22.98 Mbit/s

95th percentile per-packet one-way delay: 62.403 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-24 23:27:06

End at: 2018-05-24 23:27:36

Local clock offset: -0.122 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.10 Mbit/s

95th percentile per-packet one-way delay: 63.370 ms

Loss rate: 0.00%

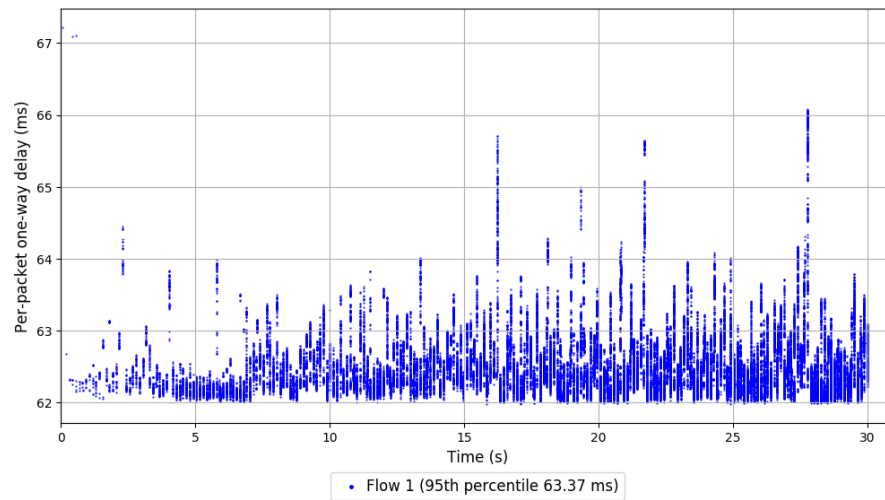
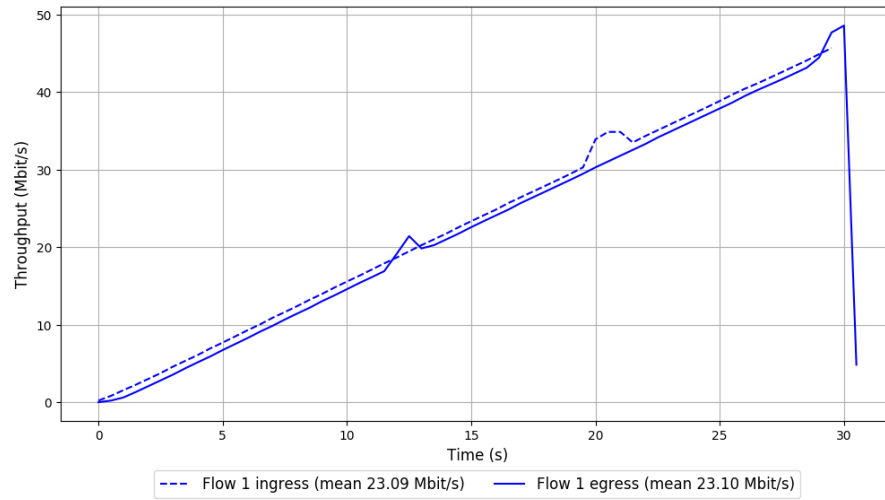
-- Flow 1:

Average throughput: 23.10 Mbit/s

95th percentile per-packet one-way delay: 63.370 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-24 23:47:19

End at: 2018-05-24 23:47:49

Local clock offset: 0.015 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 63.435 ms

Loss rate: 0.00%

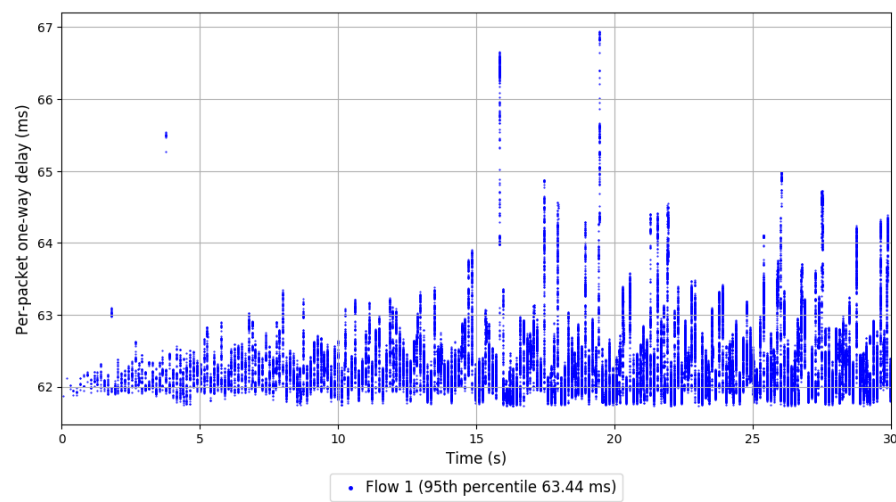
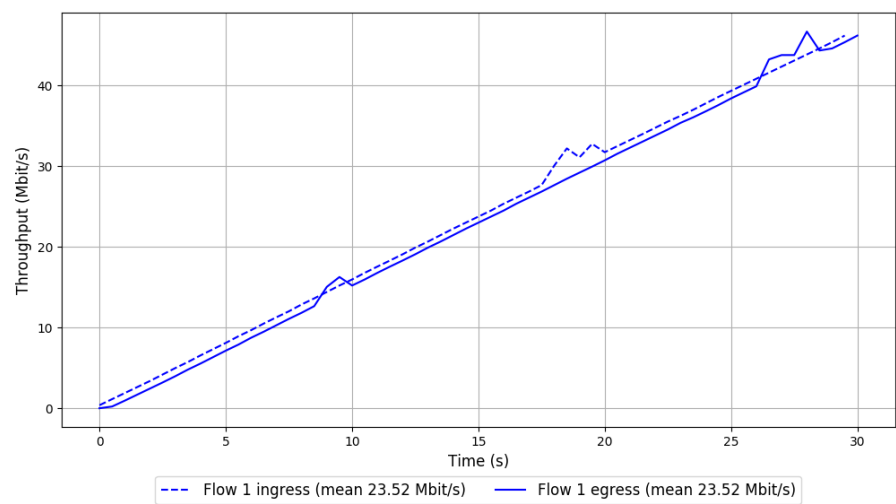
-- Flow 1:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 63.435 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

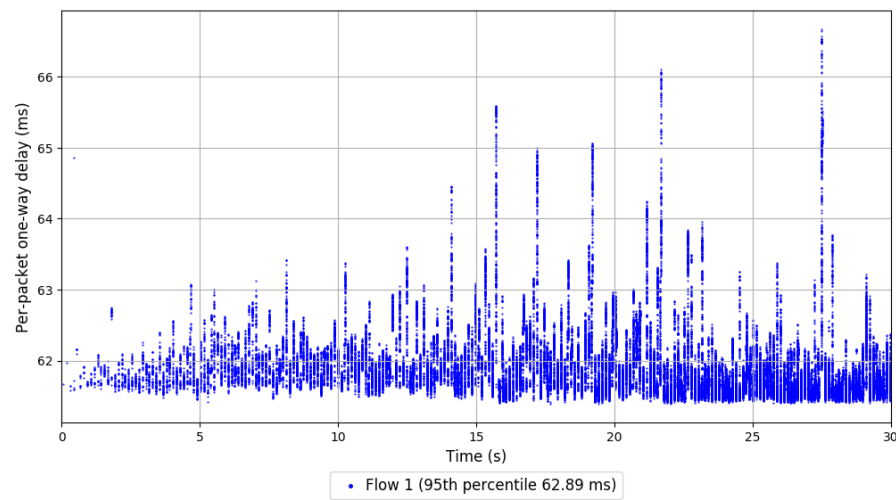
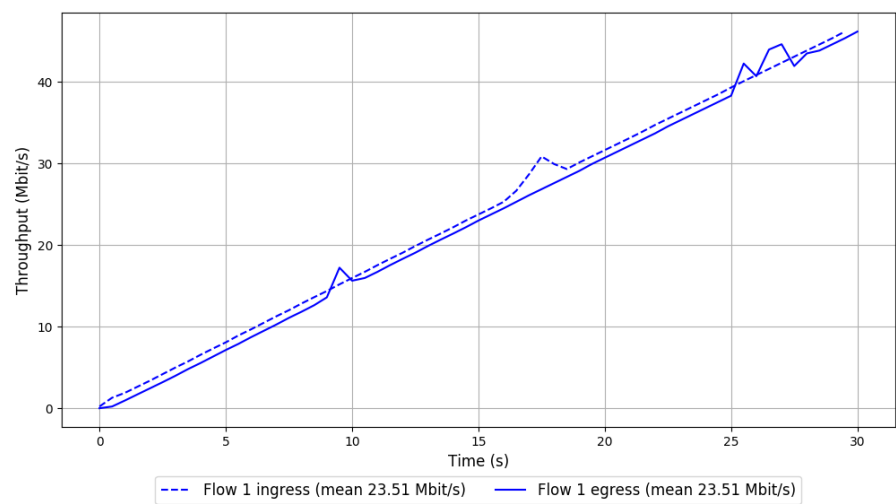


Run 7: Statistics of LEDBAT

Start at: 2018-05-25 00:07:34
End at: 2018-05-25 00:08:04
Local clock offset: -0.042 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-05-25 02:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 62.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 62.886 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

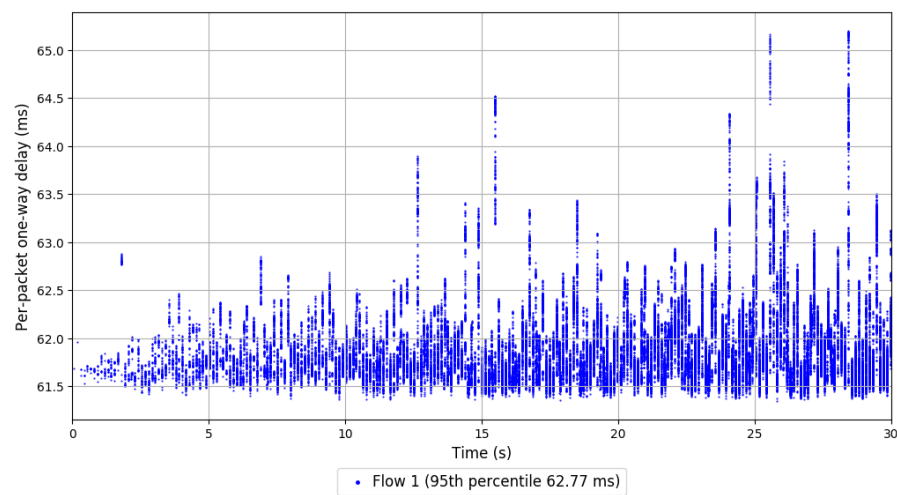
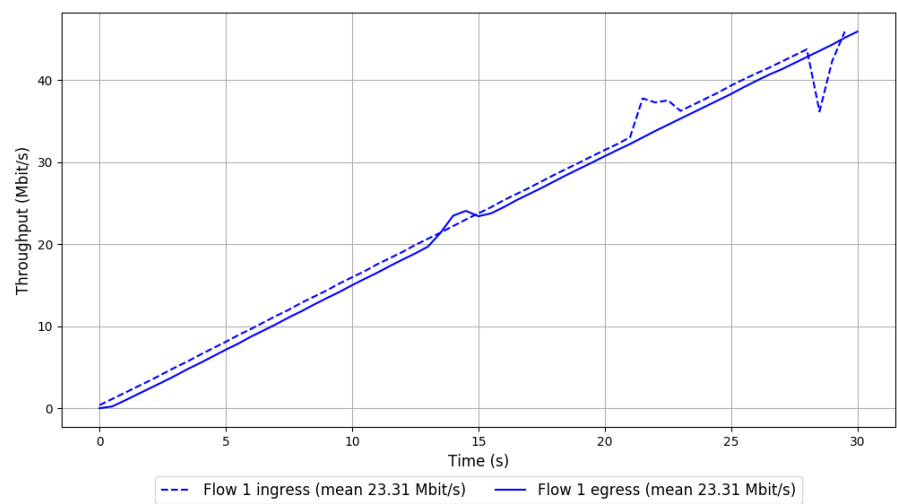


Run 8: Statistics of LEDBAT

Start at: 2018-05-25 00:27:26
End at: 2018-05-25 00:27:56
Local clock offset: -0.034 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-05-25 02:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 62.769 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 62.769 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

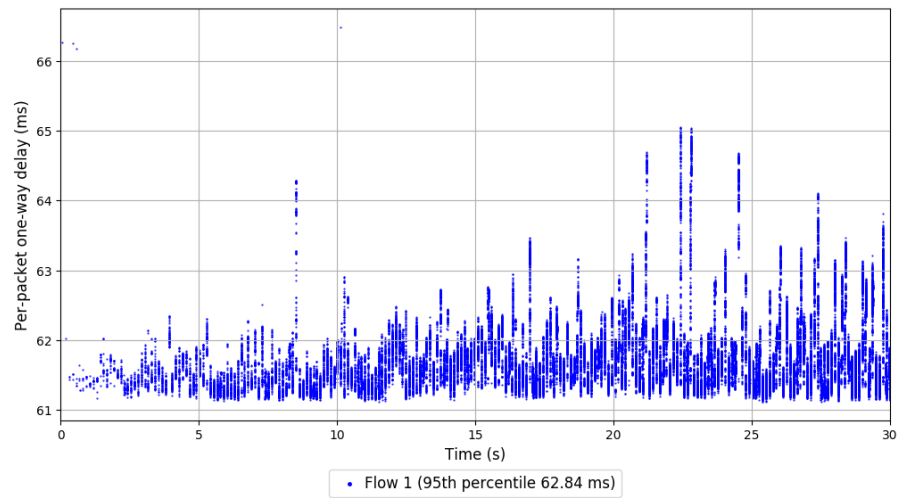
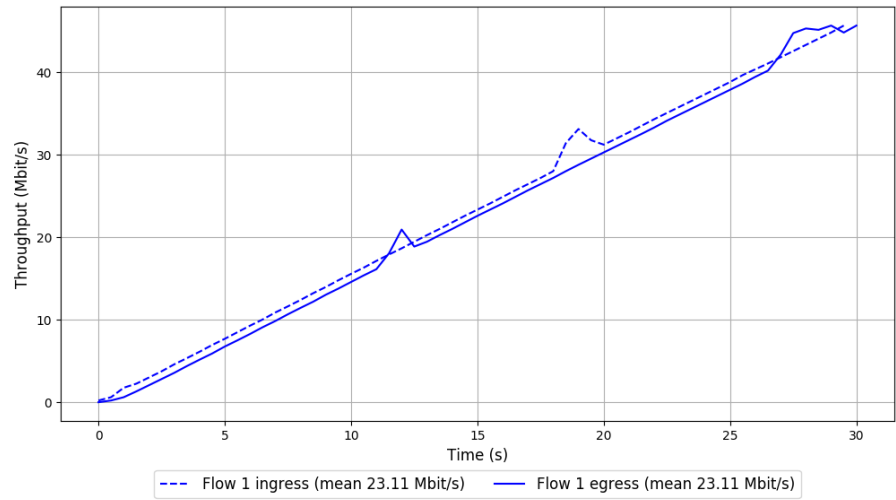


Run 9: Statistics of LEDBAT

Start at: 2018-05-25 00:47:05
End at: 2018-05-25 00:47:35
Local clock offset: -0.048 ms
Remote clock offset: -0.377 ms

Below is generated by plot.py at 2018-05-25 02:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 62.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 62.841 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-25 01:07:20

End at: 2018-05-25 01:07:50

Local clock offset: -0.038 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 63.210 ms

Loss rate: 0.00%

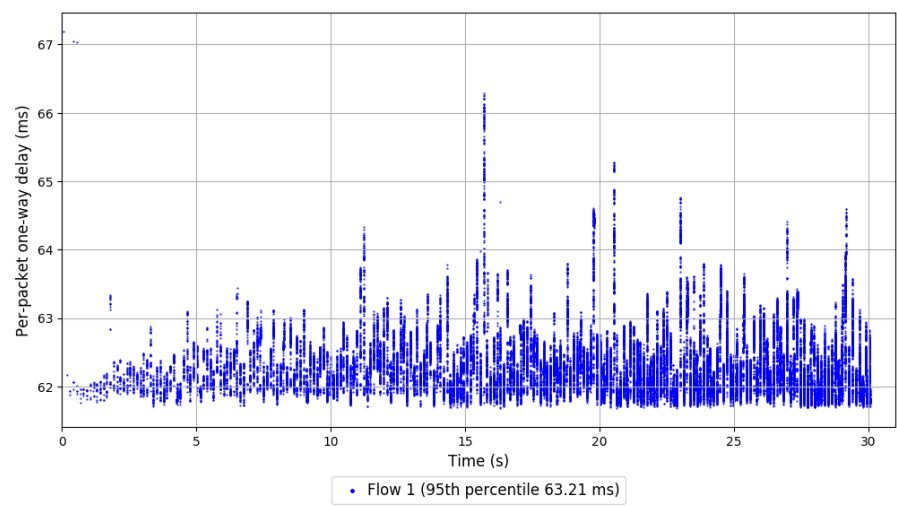
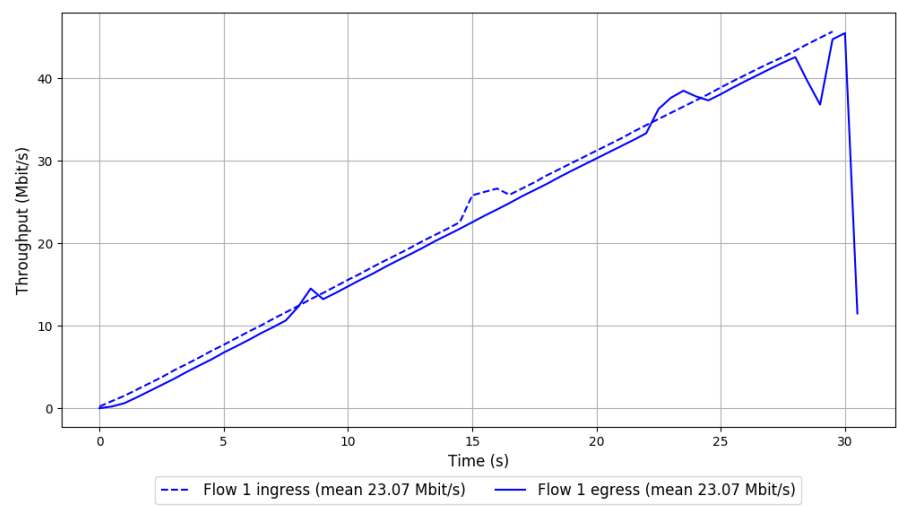
-- Flow 1:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 63.210 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 22:13:44

End at: 2018-05-24 22:14:14

Local clock offset: 0.021 ms

Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.26 Mbit/s

95th percentile per-packet one-way delay: 138.903 ms

Loss rate: 0.06%

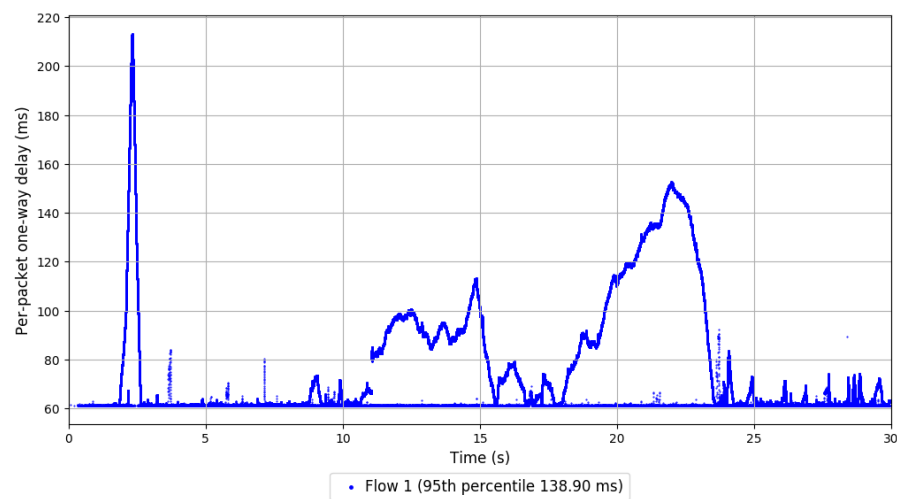
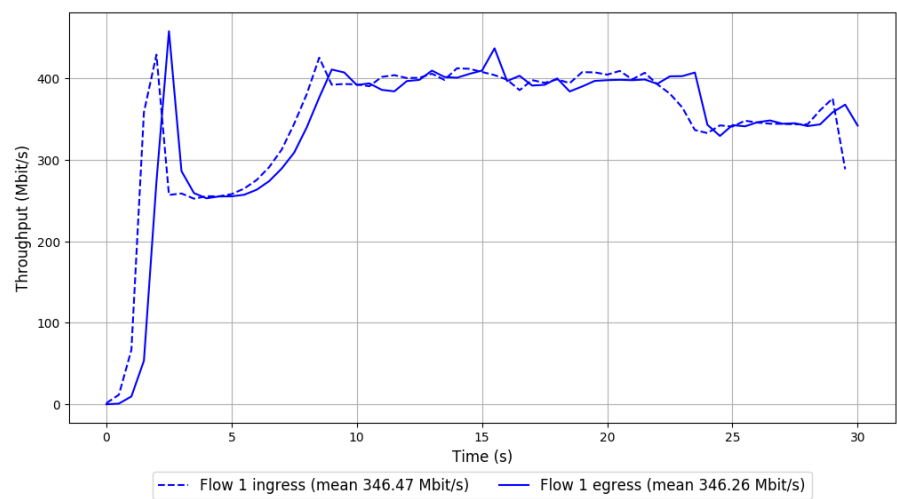
-- Flow 1:

Average throughput: 346.26 Mbit/s

95th percentile per-packet one-way delay: 138.903 ms

Loss rate: 0.06%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 22:33:46

End at: 2018-05-24 22:34:16

Local clock offset: -0.013 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-05-25 02:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.58 Mbit/s

95th percentile per-packet one-way delay: 97.854 ms

Loss rate: 0.14%

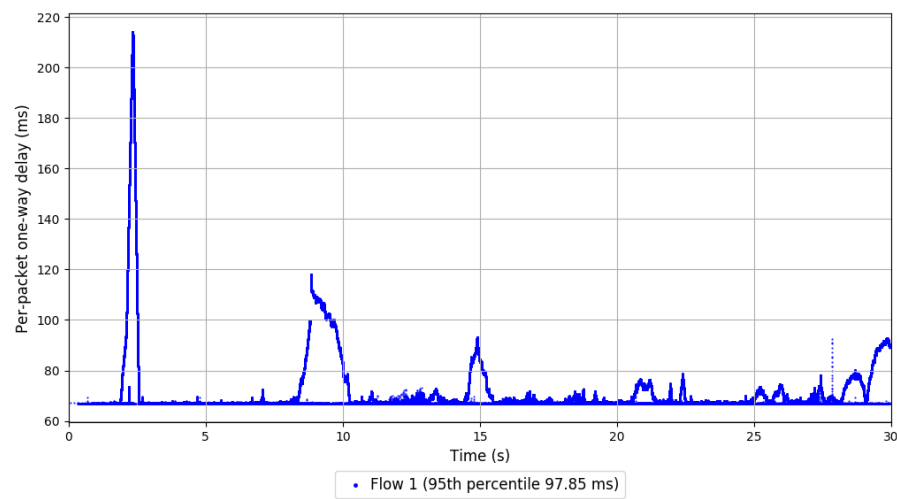
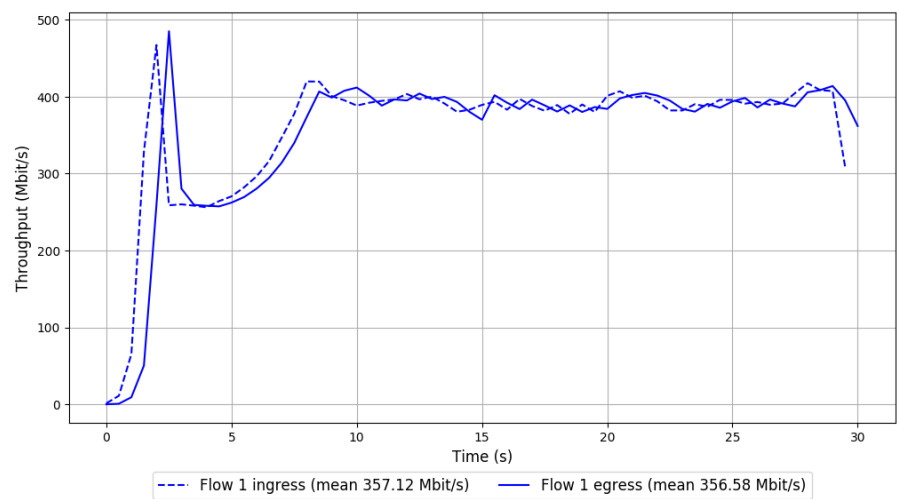
-- Flow 1:

Average throughput: 356.58 Mbit/s

95th percentile per-packet one-way delay: 97.854 ms

Loss rate: 0.14%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 22:53:53

End at: 2018-05-24 22:54:23

Local clock offset: 0.004 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-05-25 02:11:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.49 Mbit/s

95th percentile per-packet one-way delay: 209.449 ms

Loss rate: 1.88%

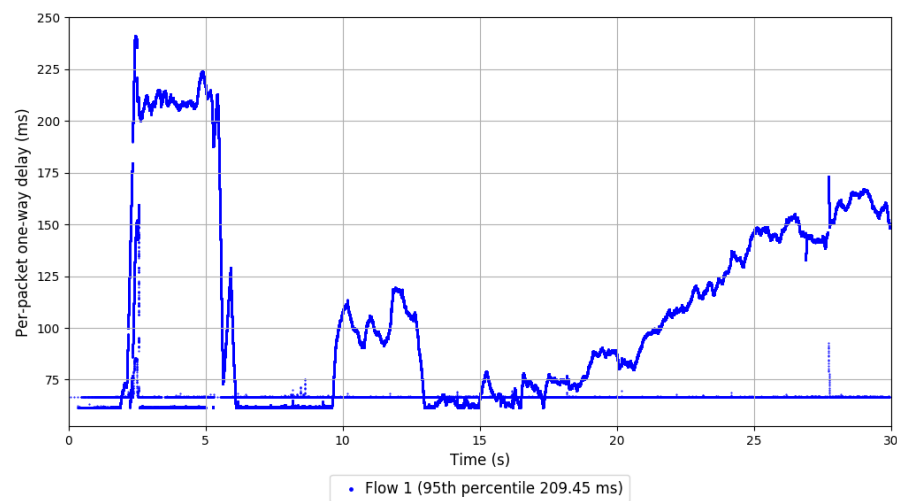
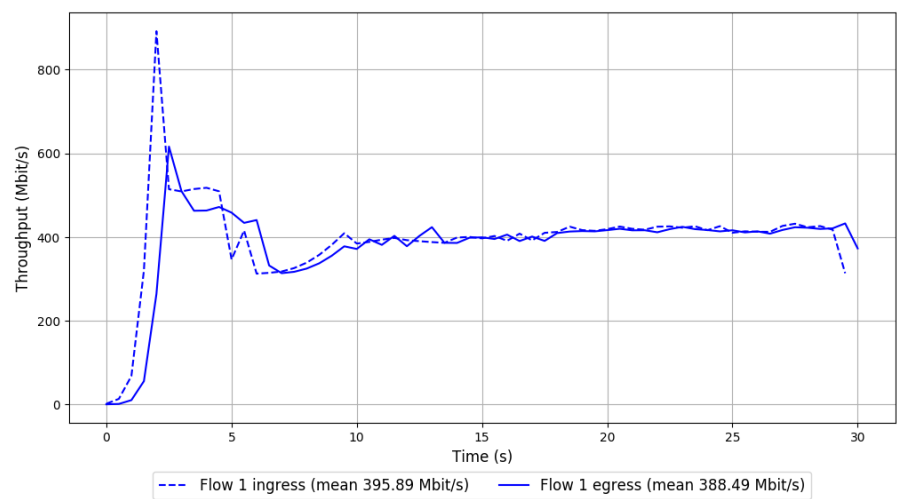
-- Flow 1:

Average throughput: 388.49 Mbit/s

95th percentile per-packet one-way delay: 209.449 ms

Loss rate: 1.88%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 23:14:14

End at: 2018-05-24 23:14:44

Local clock offset: -0.11 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-25 02:11:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.48 Mbit/s

95th percentile per-packet one-way delay: 138.657 ms

Loss rate: 0.13%

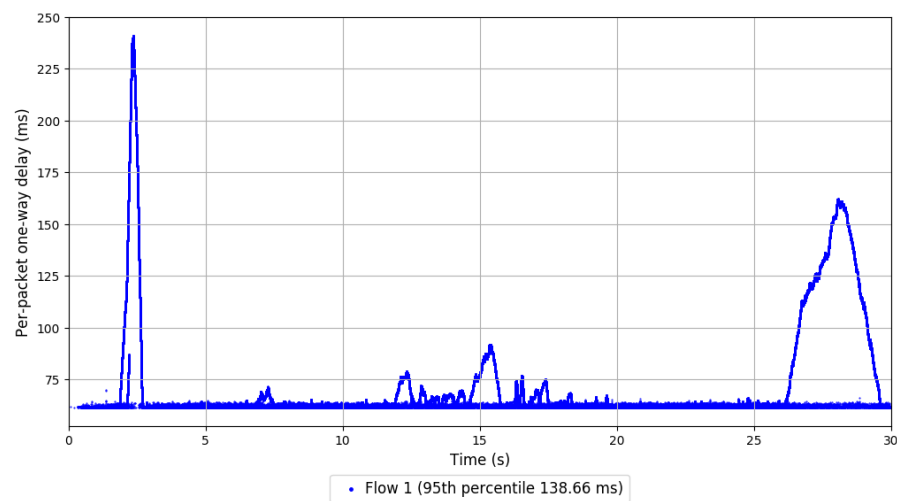
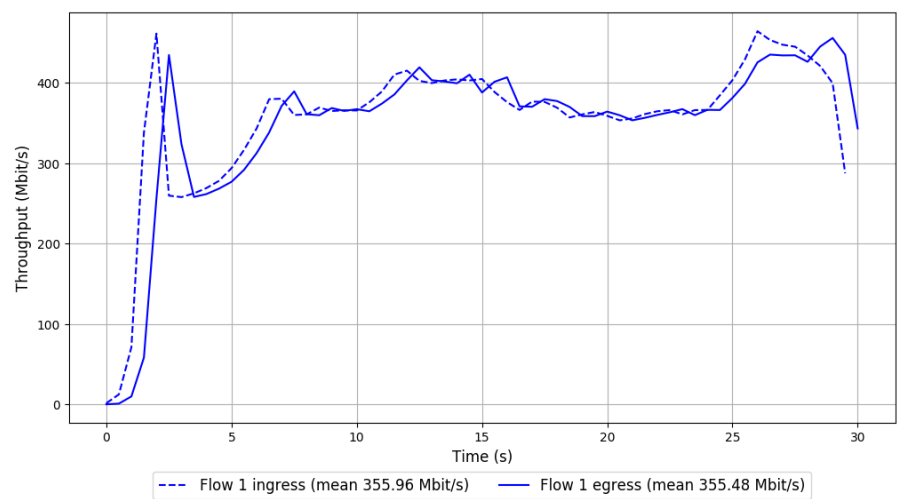
-- Flow 1:

Average throughput: 355.48 Mbit/s

95th percentile per-packet one-way delay: 138.657 ms

Loss rate: 0.13%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 23:34:29

End at: 2018-05-24 23:34:59

Local clock offset: -0.051 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2018-05-25 02:11:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.79 Mbit/s

95th percentile per-packet one-way delay: 93.727 ms

Loss rate: 0.14%

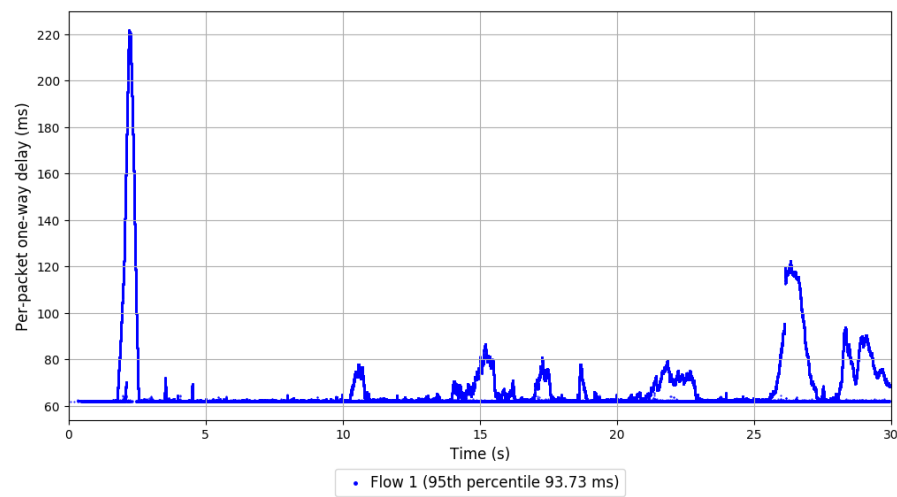
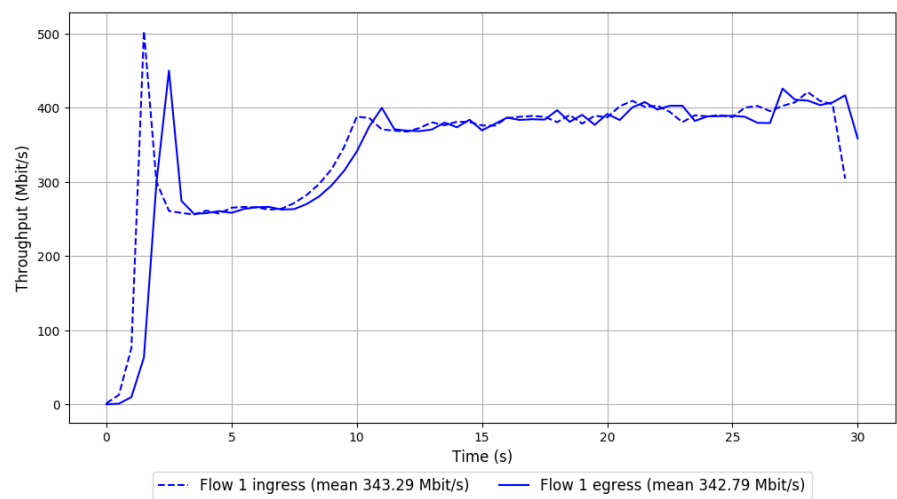
-- Flow 1:

Average throughput: 342.79 Mbit/s

95th percentile per-packet one-way delay: 93.727 ms

Loss rate: 0.14%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 23:54:38

End at: 2018-05-24 23:55:08

Local clock offset: 0.042 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-05-25 02:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.18 Mbit/s

95th percentile per-packet one-way delay: 75.532 ms

Loss rate: 0.10%

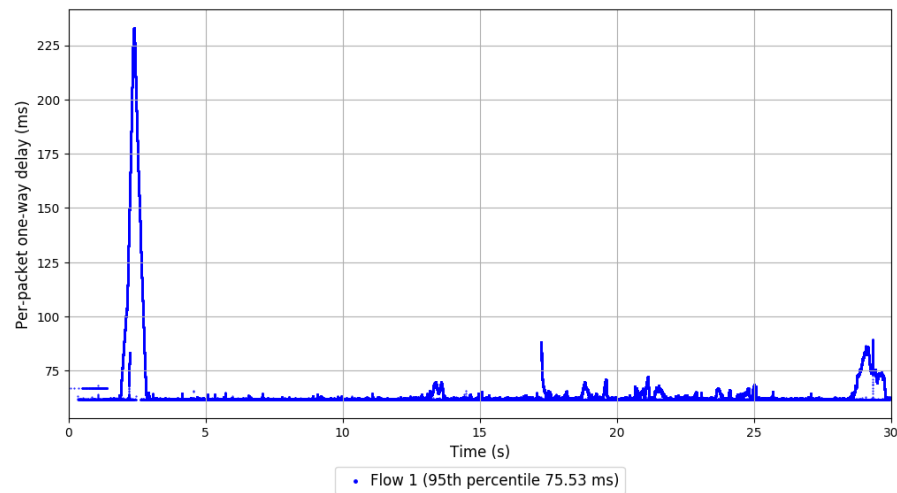
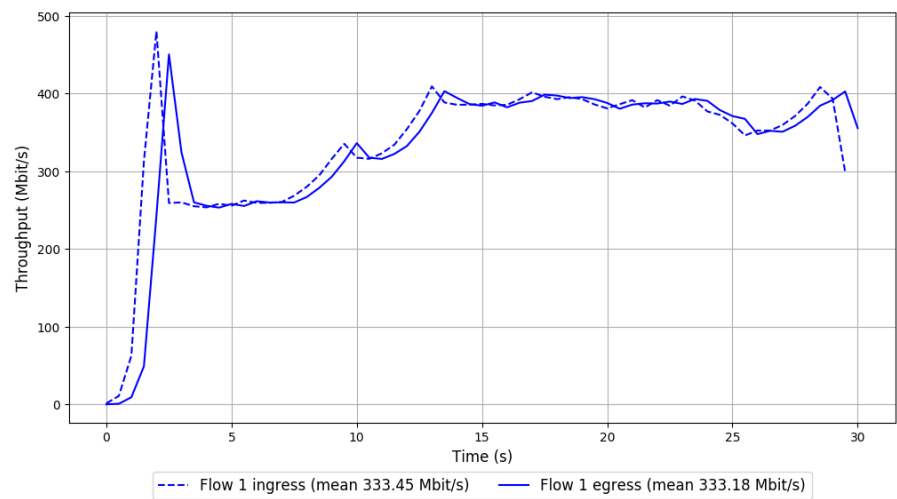
-- Flow 1:

Average throughput: 333.18 Mbit/s

95th percentile per-packet one-way delay: 75.532 ms

Loss rate: 0.10%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-25 00:14:43

End at: 2018-05-25 00:15:13

Local clock offset: 0.033 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-05-25 02:15:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.78 Mbit/s

95th percentile per-packet one-way delay: 78.643 ms

Loss rate: 0.12%

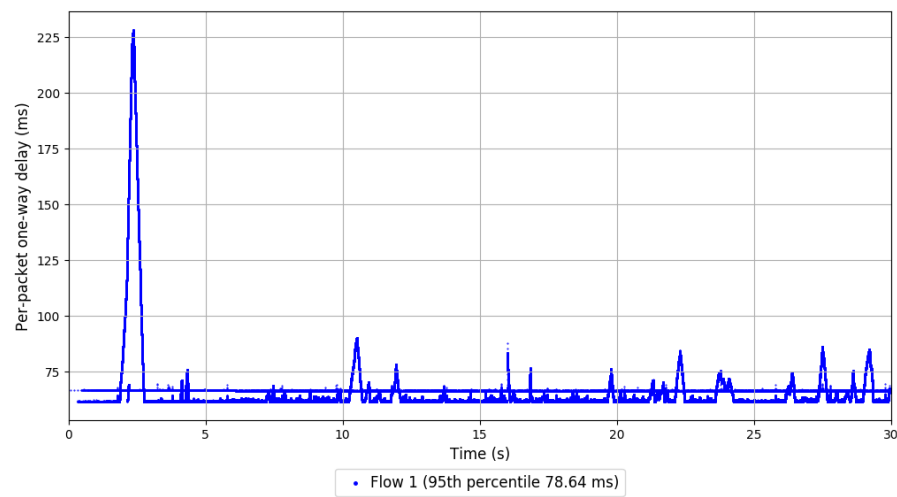
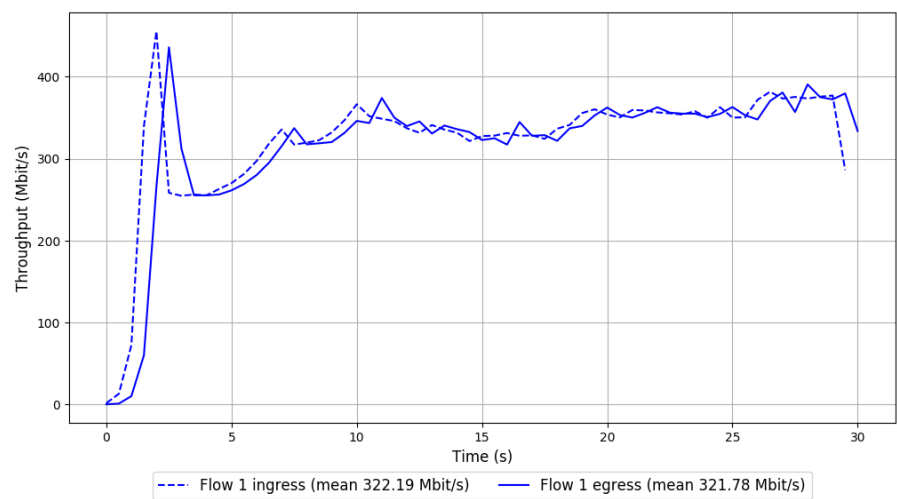
-- Flow 1:

Average throughput: 321.78 Mbit/s

95th percentile per-packet one-way delay: 78.643 ms

Loss rate: 0.12%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-25 00:34:26

End at: 2018-05-25 00:34:56

Local clock offset: -0.029 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-05-25 02:17:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 358.43 Mbit/s

95th percentile per-packet one-way delay: 132.380 ms

Loss rate: 0.30%

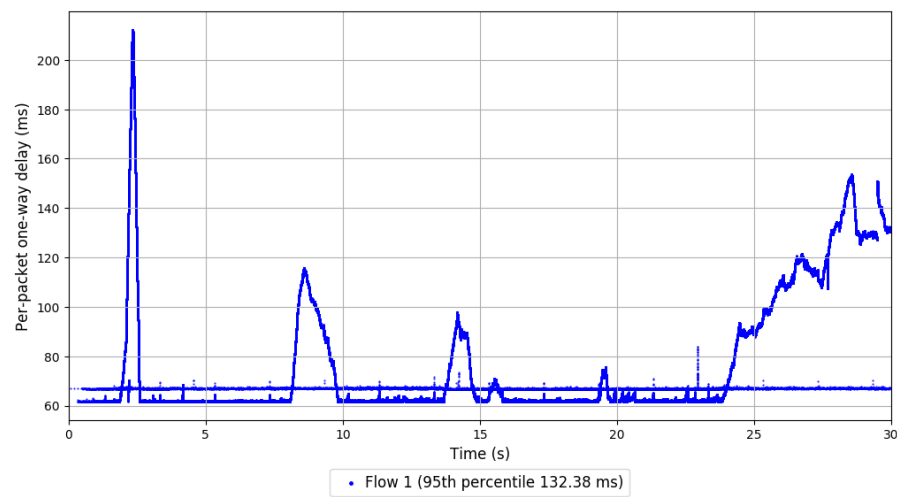
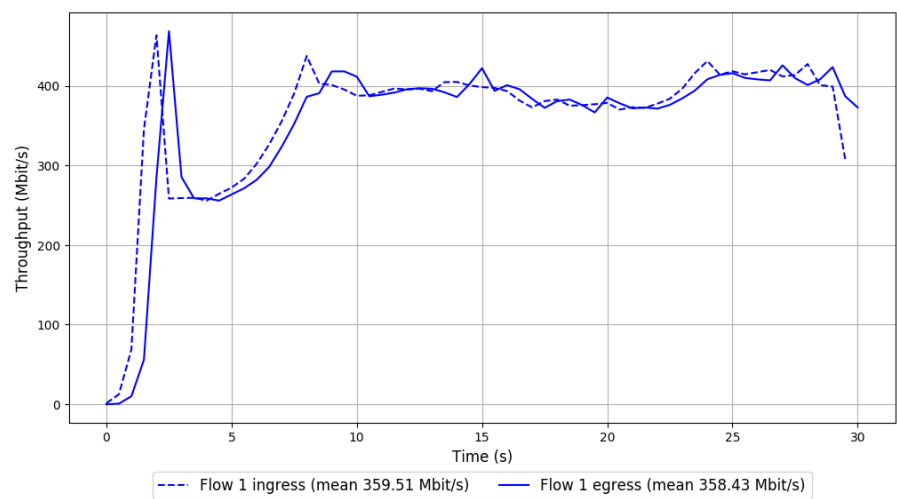
-- Flow 1:

Average throughput: 358.43 Mbit/s

95th percentile per-packet one-way delay: 132.380 ms

Loss rate: 0.30%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-25 00:54:21

End at: 2018-05-25 00:54:51

Local clock offset: -0.093 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-05-25 02:17:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.46 Mbit/s

95th percentile per-packet one-way delay: 71.752 ms

Loss rate: 0.10%

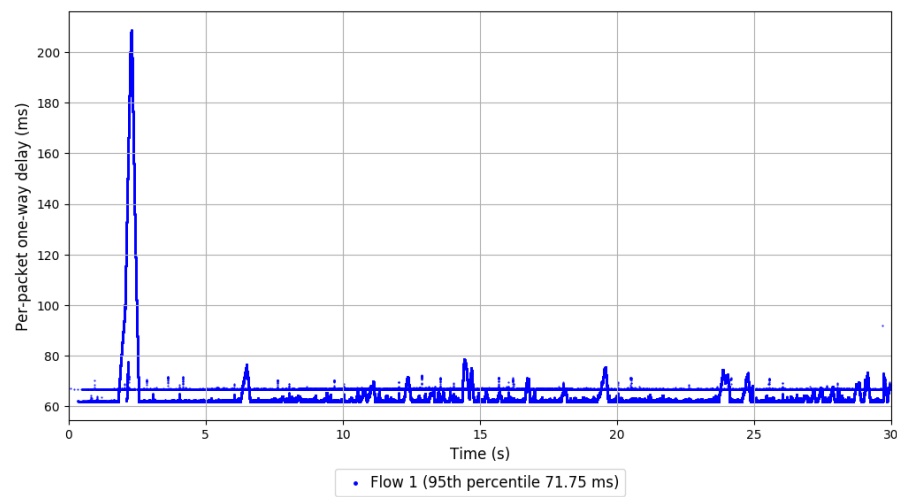
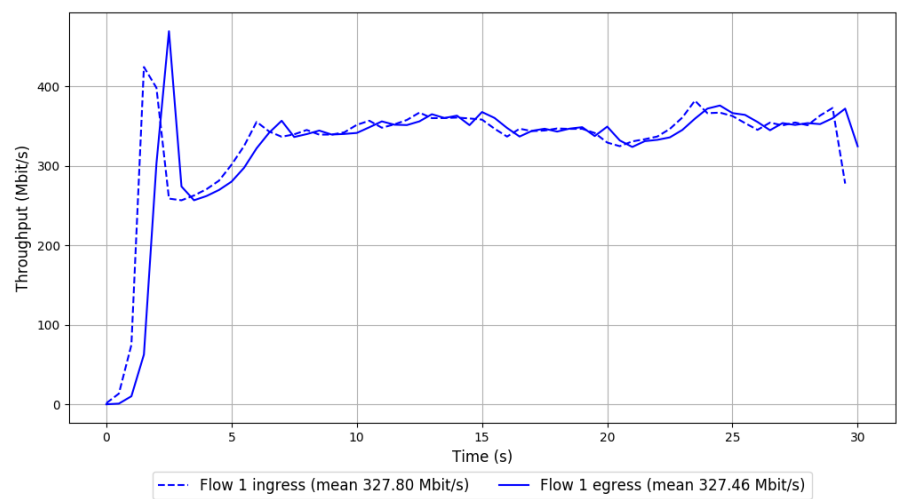
-- Flow 1:

Average throughput: 327.46 Mbit/s

95th percentile per-packet one-way delay: 71.752 ms

Loss rate: 0.10%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-25 01:14:23

End at: 2018-05-25 01:14:53

Local clock offset: -0.061 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-05-25 02:17:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.36 Mbit/s

95th percentile per-packet one-way delay: 72.519 ms

Loss rate: 0.10%

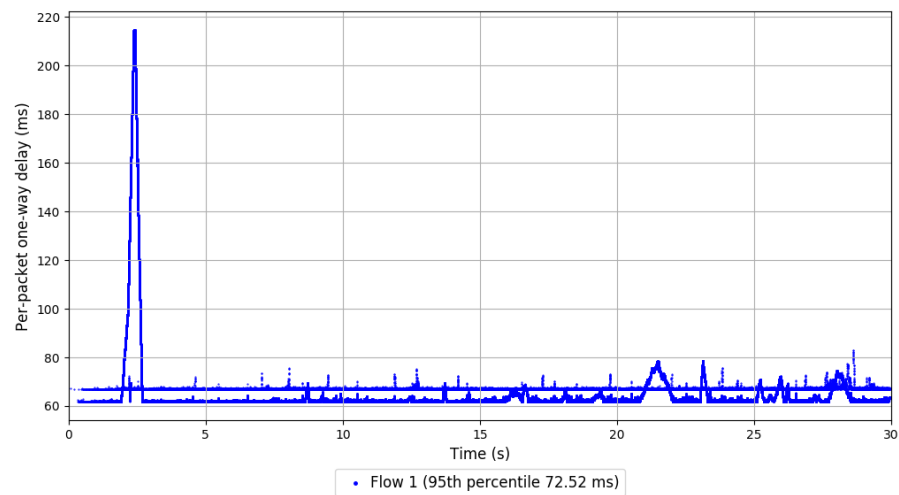
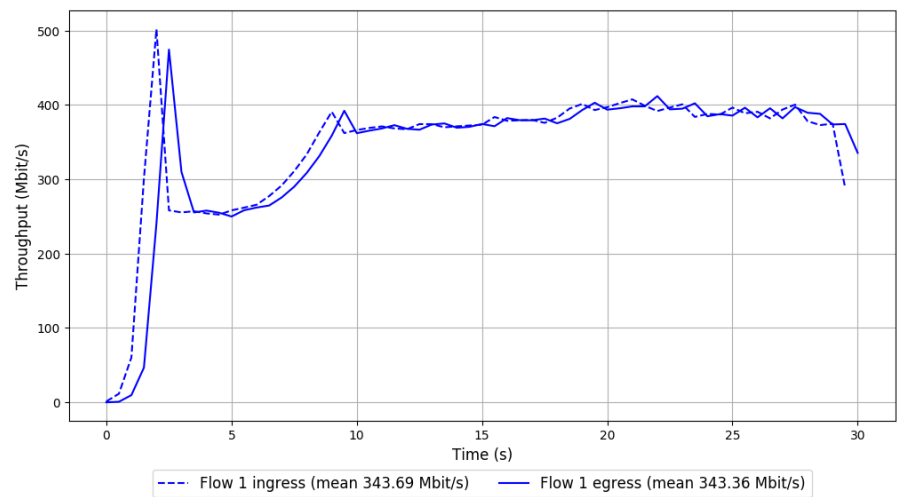
-- Flow 1:

Average throughput: 343.36 Mbit/s

95th percentile per-packet one-way delay: 72.519 ms

Loss rate: 0.10%

Run 10: Report of PCC-Allegro — Data Link

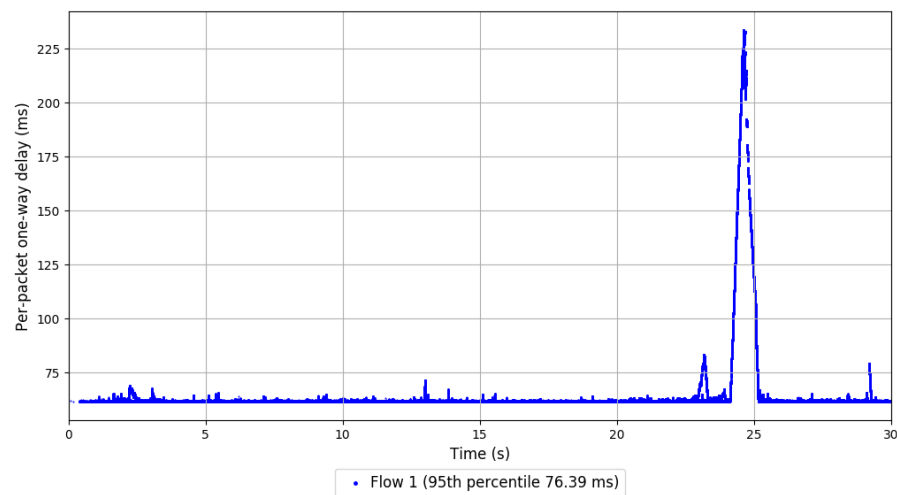
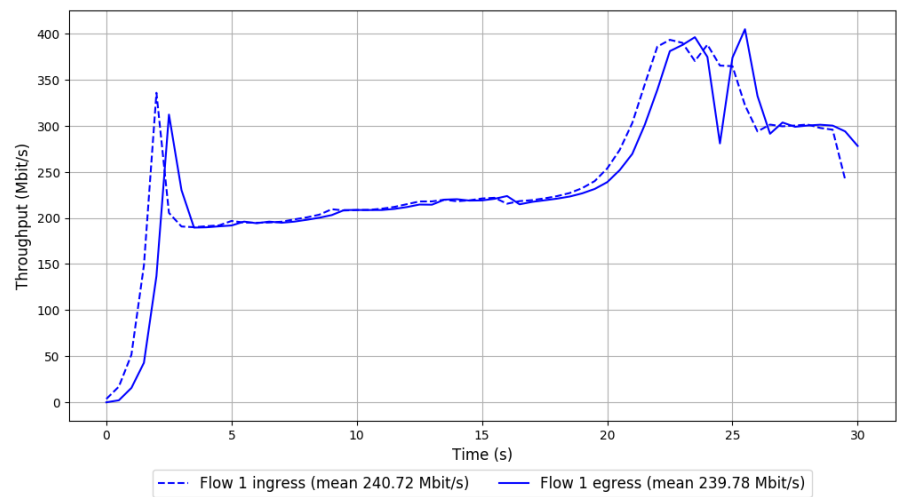


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-24 22:11:08
End at: 2018-05-24 22:11:38
Local clock offset: 0.003 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-05-25 02:20:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.78 Mbit/s
95th percentile per-packet one-way delay: 76.387 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 239.78 Mbit/s
95th percentile per-packet one-way delay: 76.387 ms
Loss rate: 0.39%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-24 22:31:09

End at: 2018-05-24 22:31:39

Local clock offset: 0.004 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-05-25 02:21:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 287.58 Mbit/s

95th percentile per-packet one-way delay: 91.770 ms

Loss rate: 0.75%

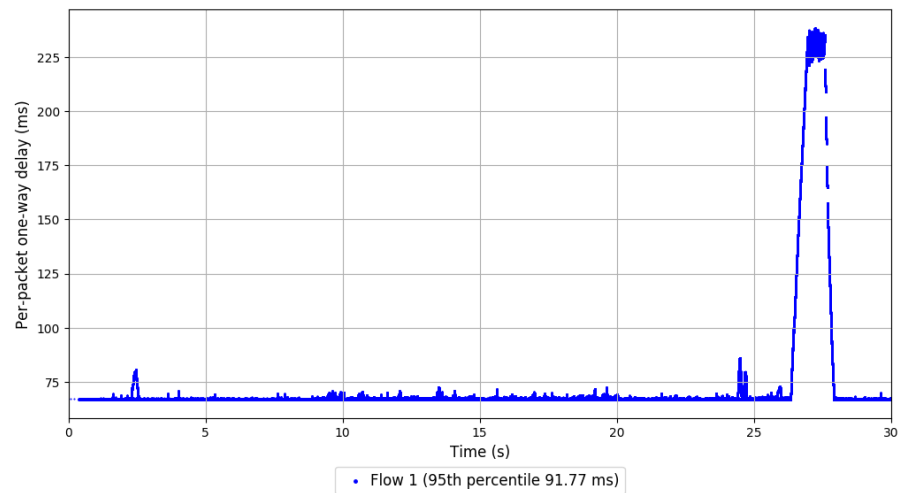
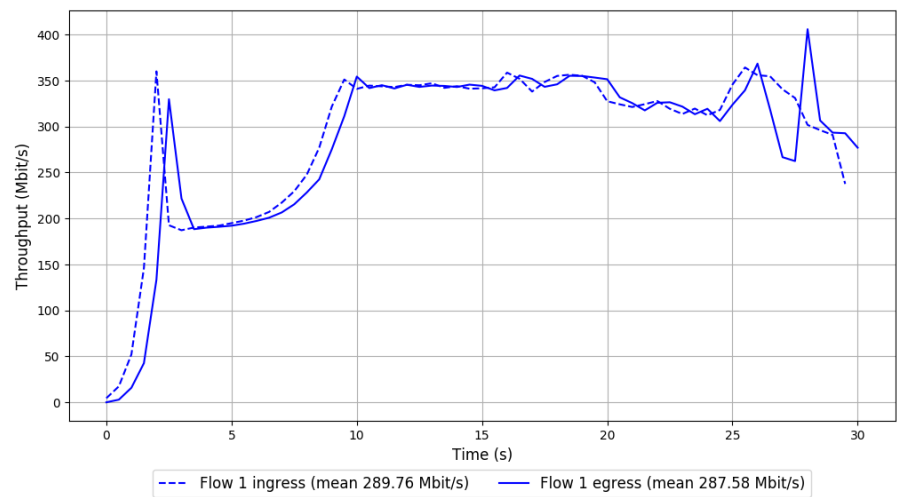
-- Flow 1:

Average throughput: 287.58 Mbit/s

95th percentile per-packet one-way delay: 91.770 ms

Loss rate: 0.75%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-24 22:51:22

End at: 2018-05-24 22:51:52

Local clock offset: -0.018 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-05-25 02:21:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.87 Mbit/s

95th percentile per-packet one-way delay: 62.188 ms

Loss rate: 0.00%

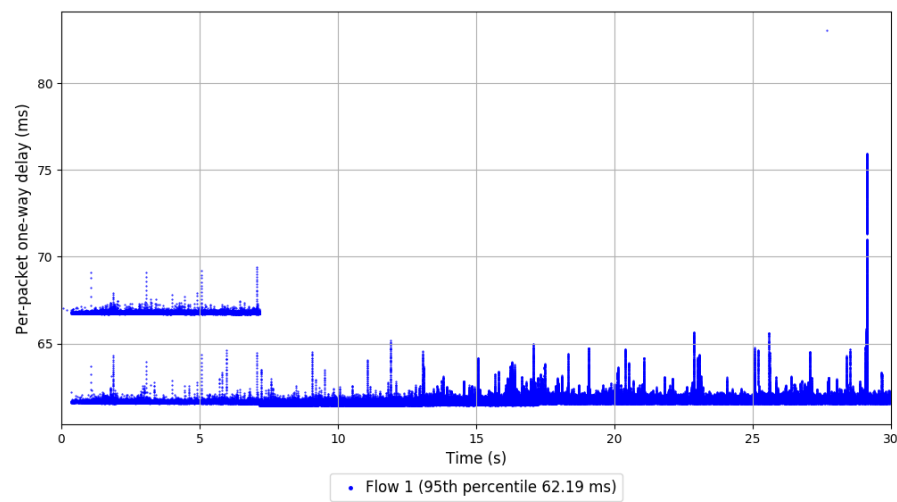
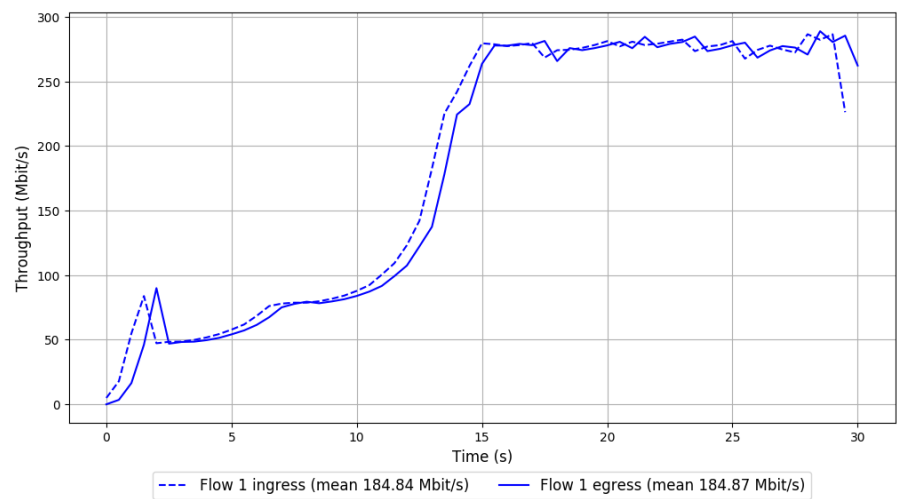
-- Flow 1:

Average throughput: 184.87 Mbit/s

95th percentile per-packet one-way delay: 62.188 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-24 23:11:36

End at: 2018-05-24 23:12:06

Local clock offset: -0.061 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-05-25 02:21:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.12 Mbit/s

95th percentile per-packet one-way delay: 62.667 ms

Loss rate: 0.00%

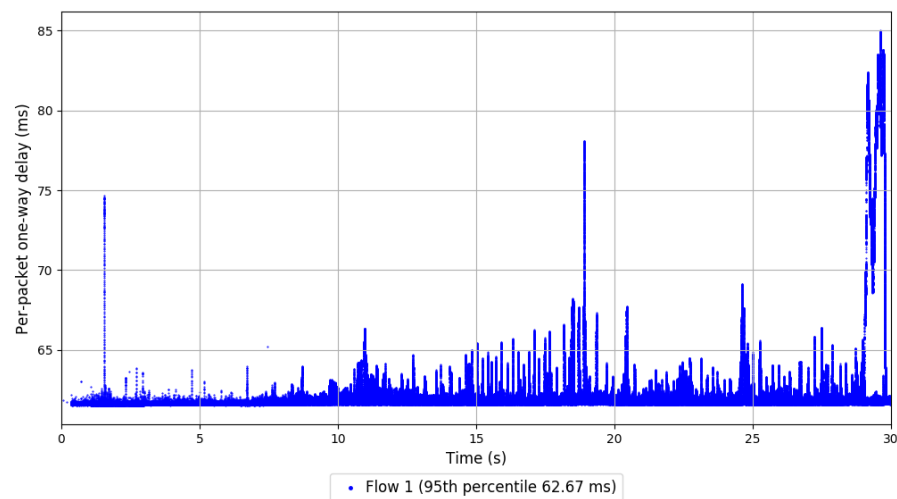
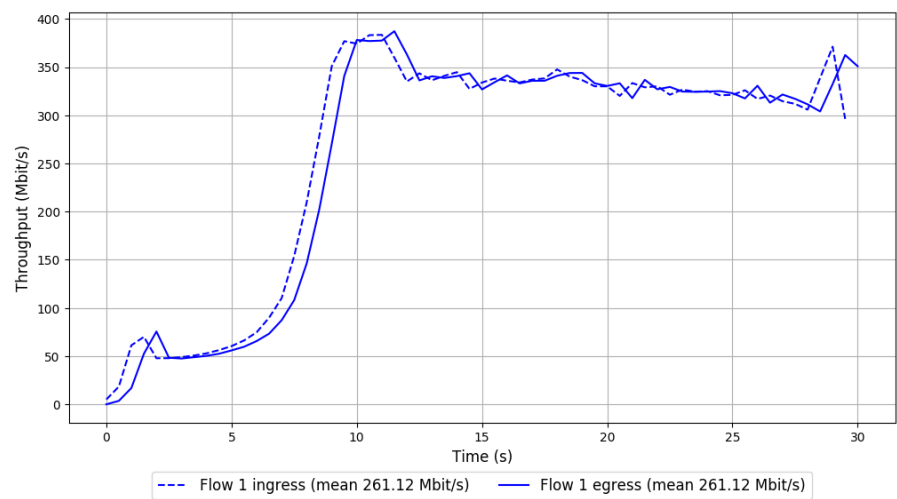
-- Flow 1:

Average throughput: 261.12 Mbit/s

95th percentile per-packet one-way delay: 62.667 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-24 23:31:48

End at: 2018-05-24 23:32:18

Local clock offset: -0.019 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-05-25 02:28:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.37 Mbit/s

95th percentile per-packet one-way delay: 63.776 ms

Loss rate: 0.00%

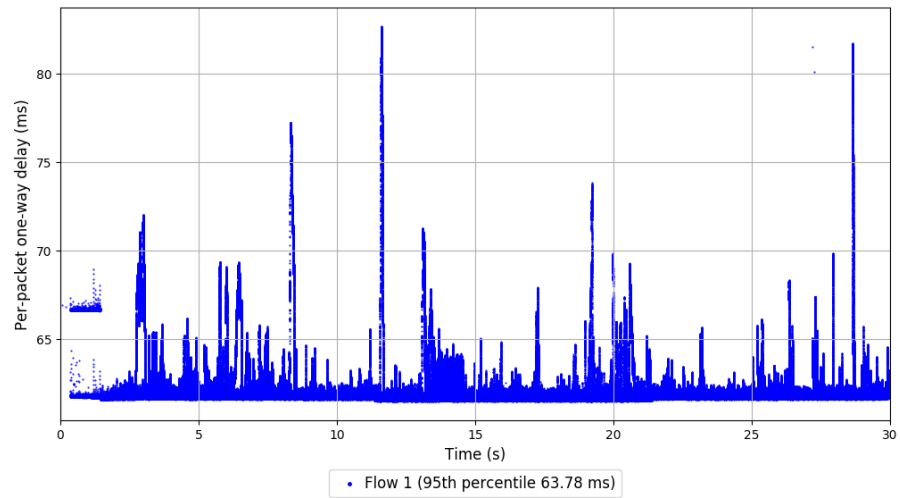
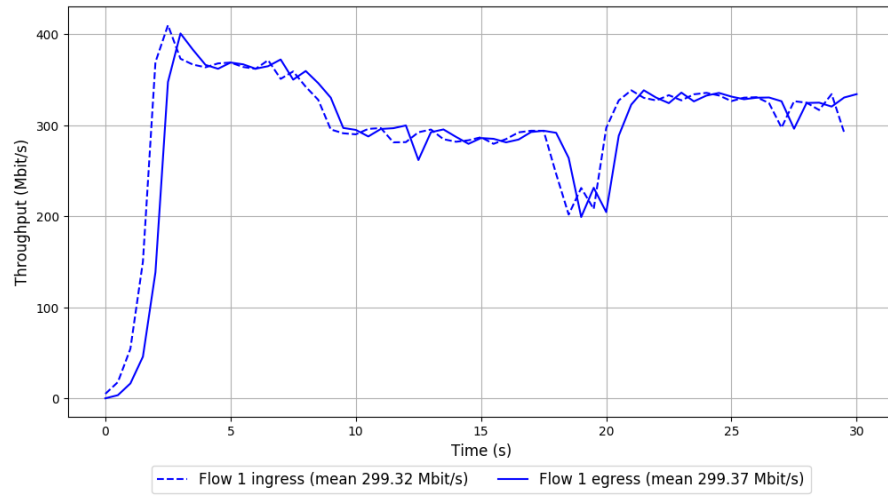
-- Flow 1:

Average throughput: 299.37 Mbit/s

95th percentile per-packet one-way delay: 63.776 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-24 23:51:59

End at: 2018-05-24 23:52:29

Local clock offset: 0.01 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-05-25 02:28:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.17 Mbit/s

95th percentile per-packet one-way delay: 63.257 ms

Loss rate: 0.03%

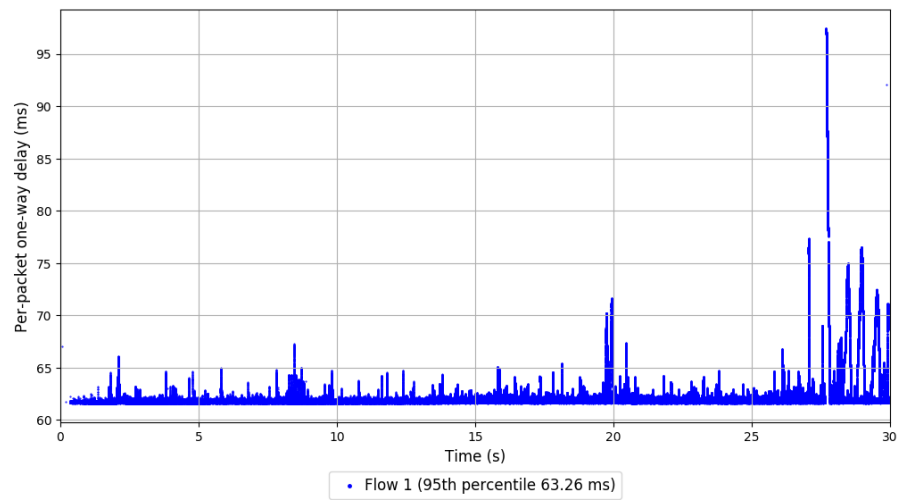
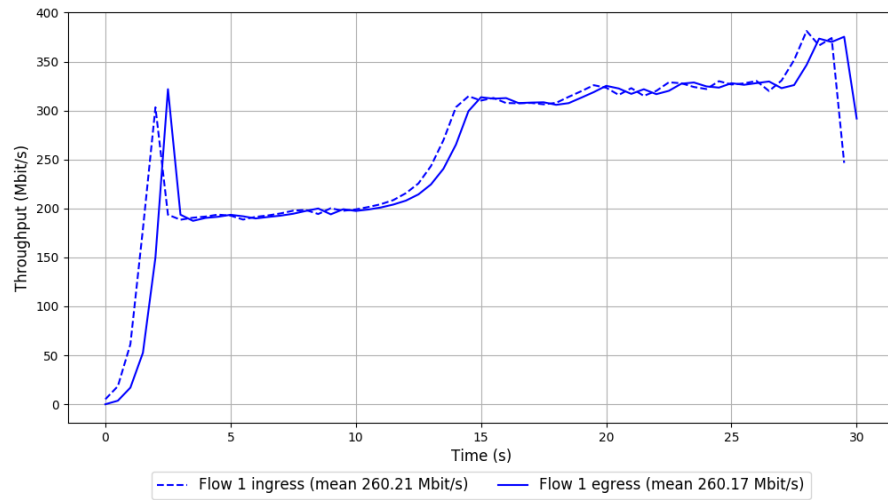
-- Flow 1:

Average throughput: 260.17 Mbit/s

95th percentile per-packet one-way delay: 63.257 ms

Loss rate: 0.03%

Run 6: Report of PCC-Expr — Data Link

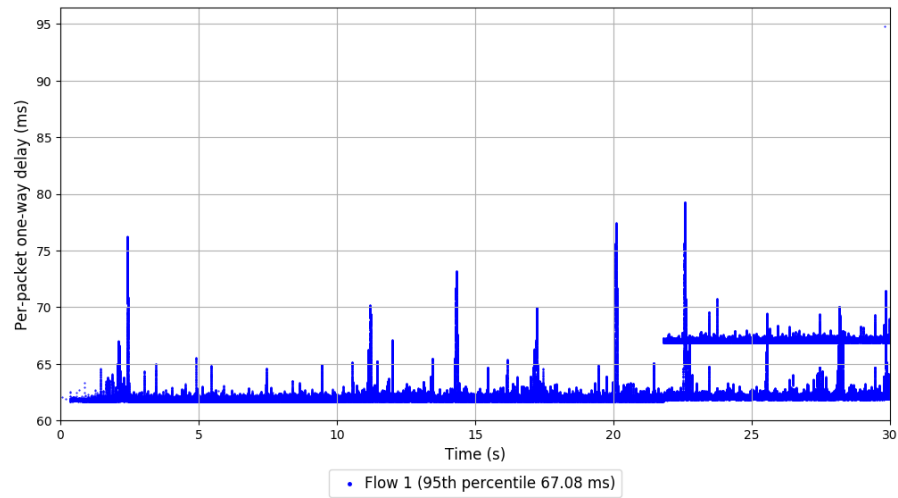
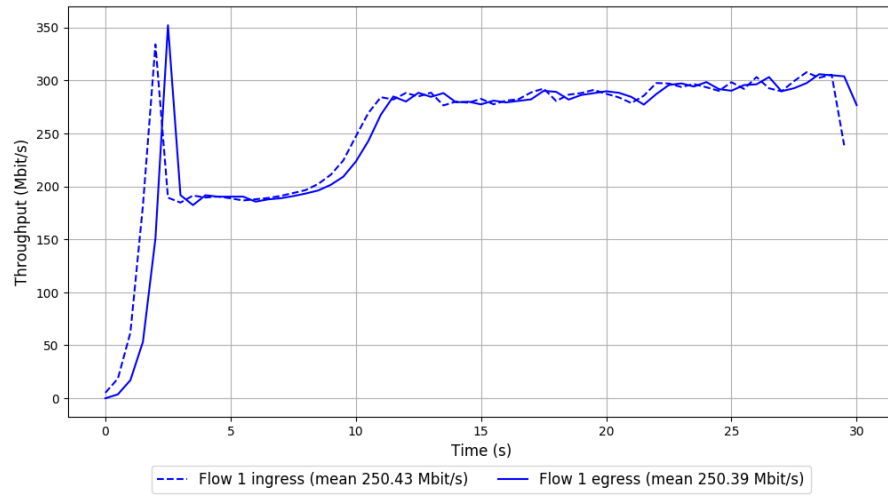


```
Run 7: Statistics of PCC-Expr

Start at: 2018-05-25 00:12:08
End at: 2018-05-25 00:12:38
Local clock offset: -0.031 ms
Remote clock offset: 0.233 ms

# Below is generated by plot.py at 2018-05-25 02:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.39 Mbit/s
95th percentile per-packet one-way delay: 67.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 250.39 Mbit/s
95th percentile per-packet one-way delay: 67.076 ms
Loss rate: 0.00%
```


Run 7: Report of PCC-Expr — Data Link

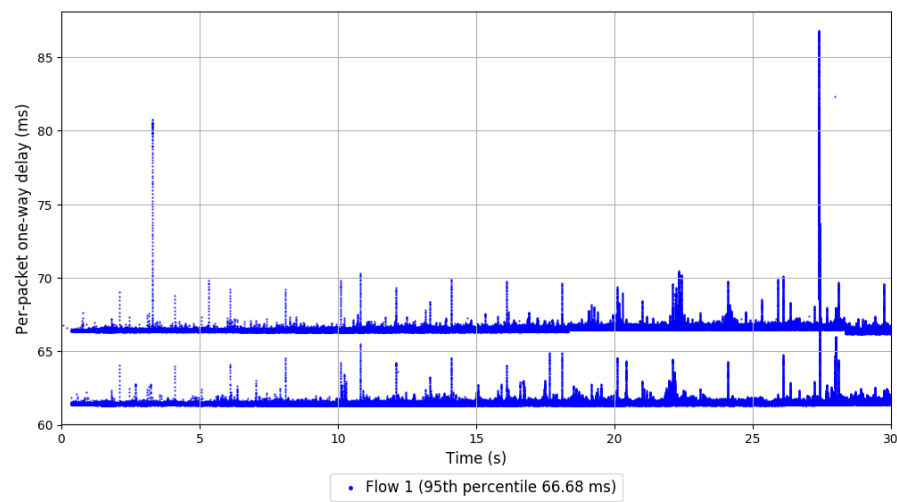
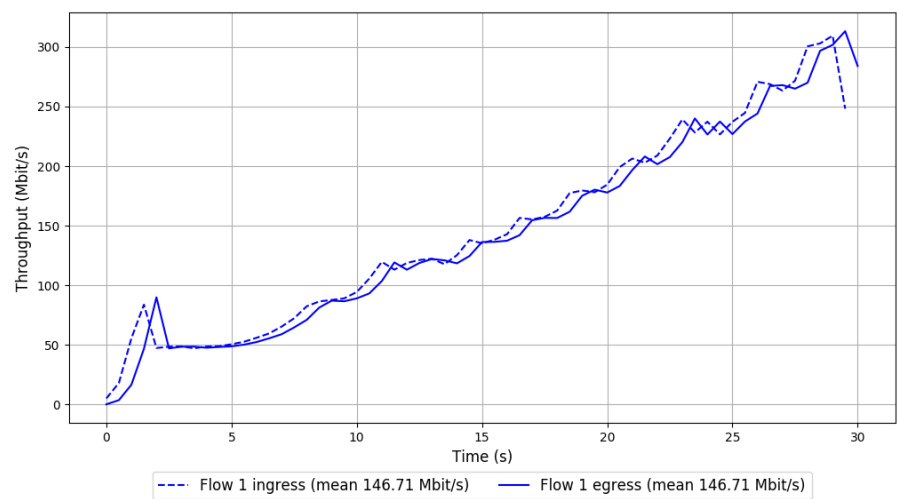


Run 8: Statistics of PCC-Expr

Start at: 2018-05-25 00:32:01
End at: 2018-05-25 00:32:31
Local clock offset: -0.074 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-05-25 02:28:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.71 Mbit/s
95th percentile per-packet one-way delay: 66.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.71 Mbit/s
95th percentile per-packet one-way delay: 66.684 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

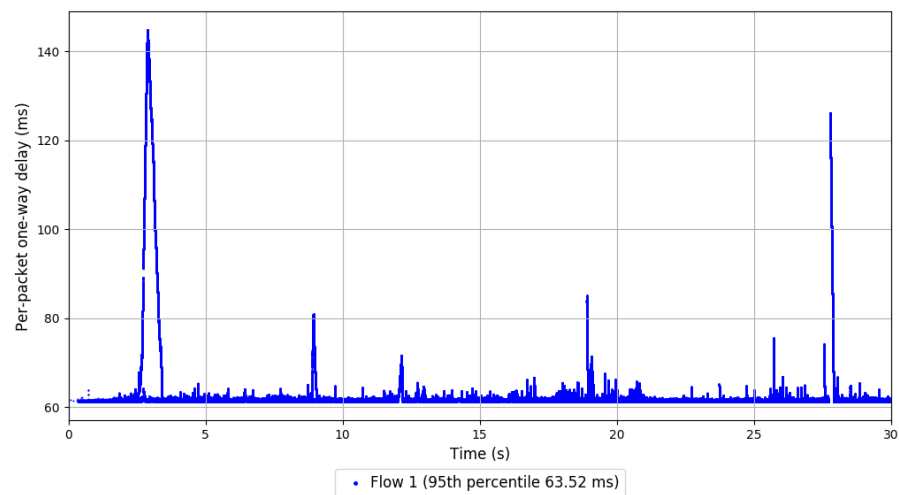
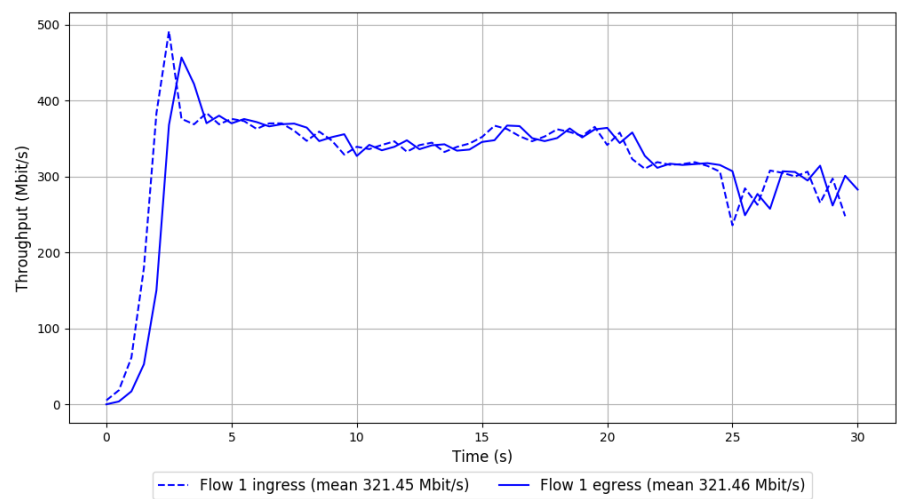


Run 9: Statistics of PCC-Expr

Start at: 2018-05-25 00:51:36
End at: 2018-05-25 00:52:06
Local clock offset: -0.077 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-05-25 02:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.46 Mbit/s
95th percentile per-packet one-way delay: 63.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.46 Mbit/s
95th percentile per-packet one-way delay: 63.518 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-25 01:11:51

End at: 2018-05-25 01:12:21

Local clock offset: -0.061 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-05-25 02:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.52 Mbit/s

95th percentile per-packet one-way delay: 67.147 ms

Loss rate: 0.01%

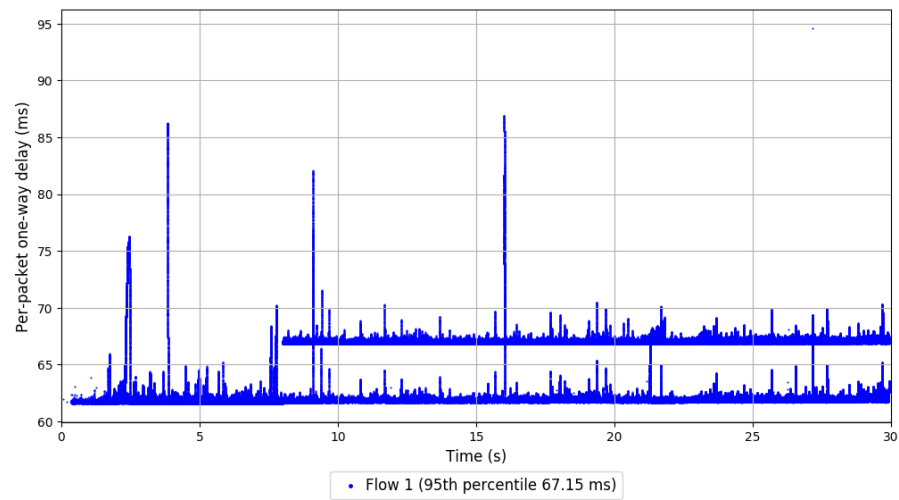
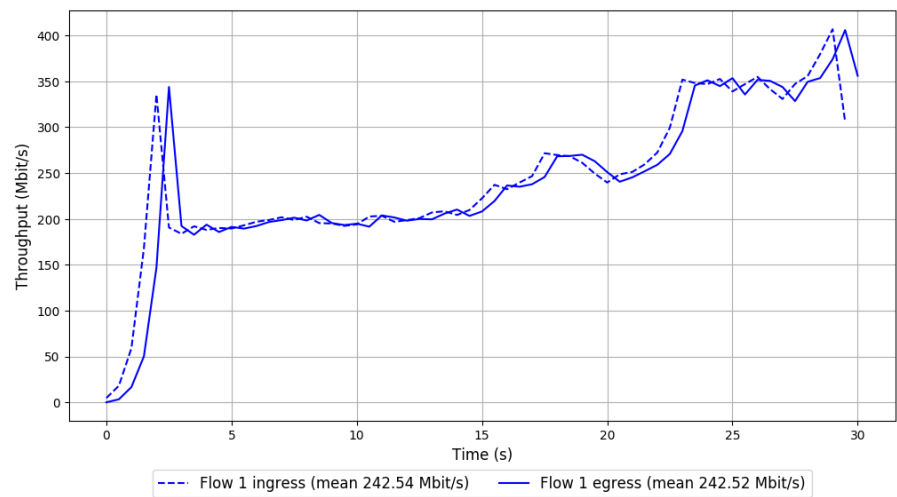
-- Flow 1:

Average throughput: 242.52 Mbit/s

95th percentile per-packet one-way delay: 67.147 ms

Loss rate: 0.01%

Run 10: Report of PCC-Expr — Data Link

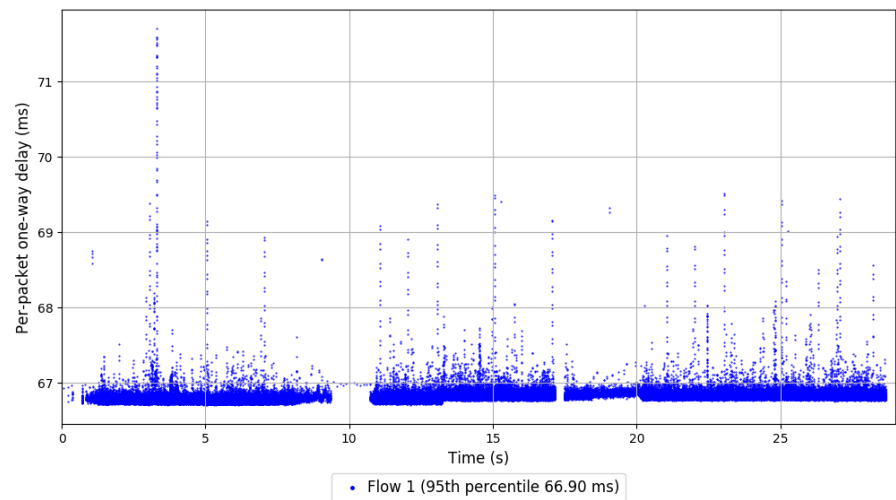
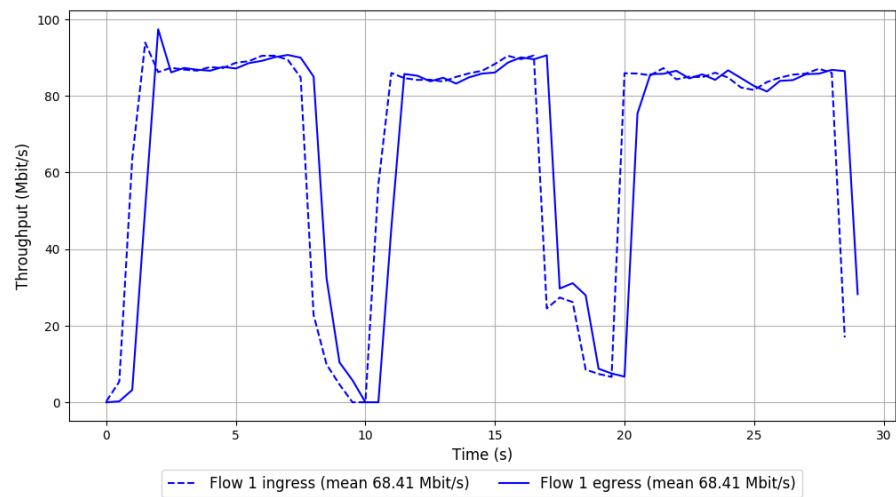


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-05-24 22:12:35
End at: 2018-05-24 22:13:05
Local clock offset: 0.001 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2018-05-25 02:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.41 Mbit/s
95th percentile per-packet one-way delay: 66.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.41 Mbit/s
95th percentile per-packet one-way delay: 66.898 ms
Loss rate: 0.00%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

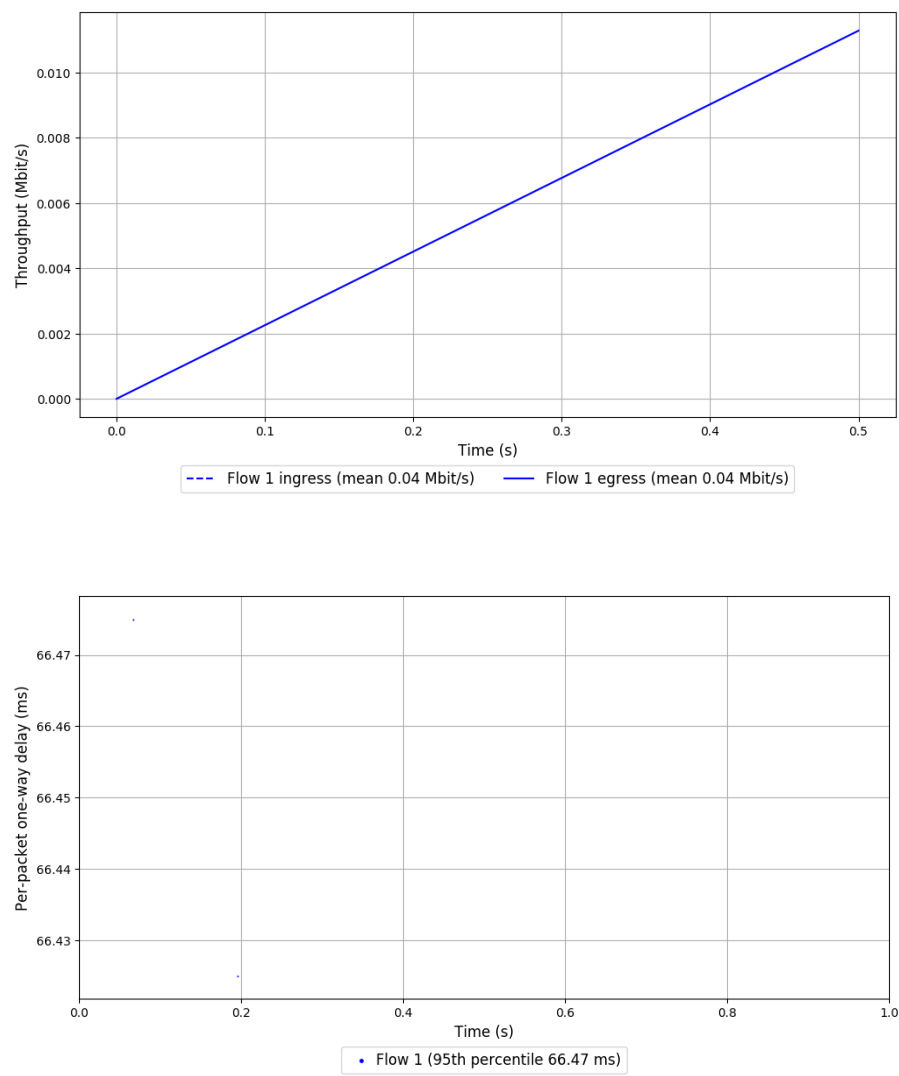
Start at: 2018-05-24 22:32:41

End at: 2018-05-24 22:33:11

Local clock offset: 0.021 ms

Remote clock offset: -0.289 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 22:52:44

End at: 2018-05-24 22:53:14

Local clock offset: -0.001 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-25 02:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.96 Mbit/s

95th percentile per-packet one-way delay: 66.694 ms

Loss rate: 0.01%

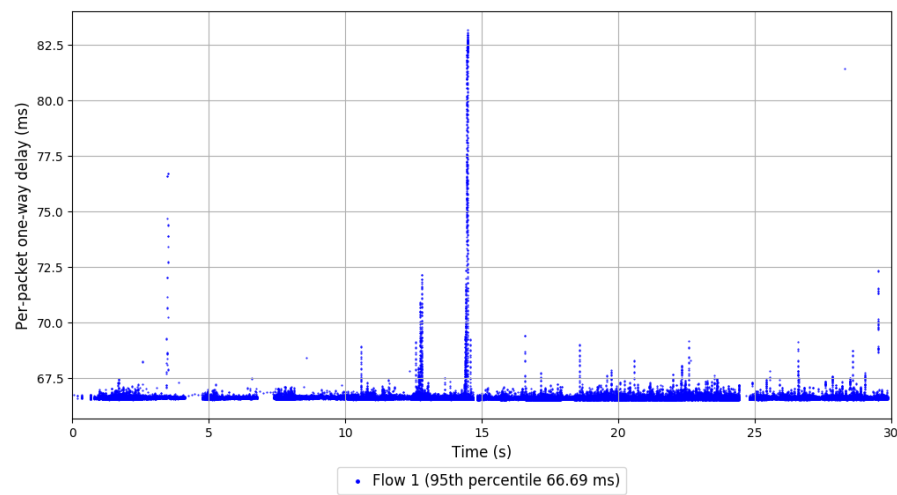
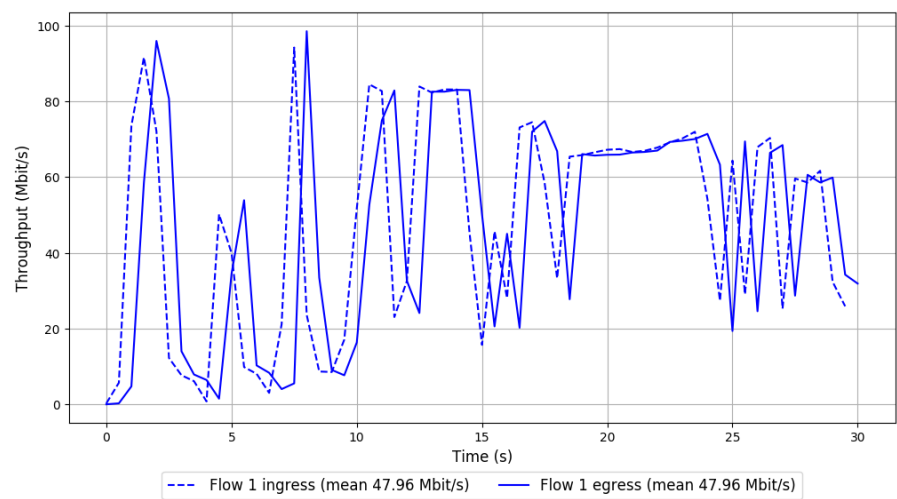
-- Flow 1:

Average throughput: 47.96 Mbit/s

95th percentile per-packet one-way delay: 66.694 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 23:13:05

End at: 2018-05-24 23:13:35

Local clock offset: -0.096 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-05-25 02:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.17 Mbit/s

95th percentile per-packet one-way delay: 63.073 ms

Loss rate: 0.00%

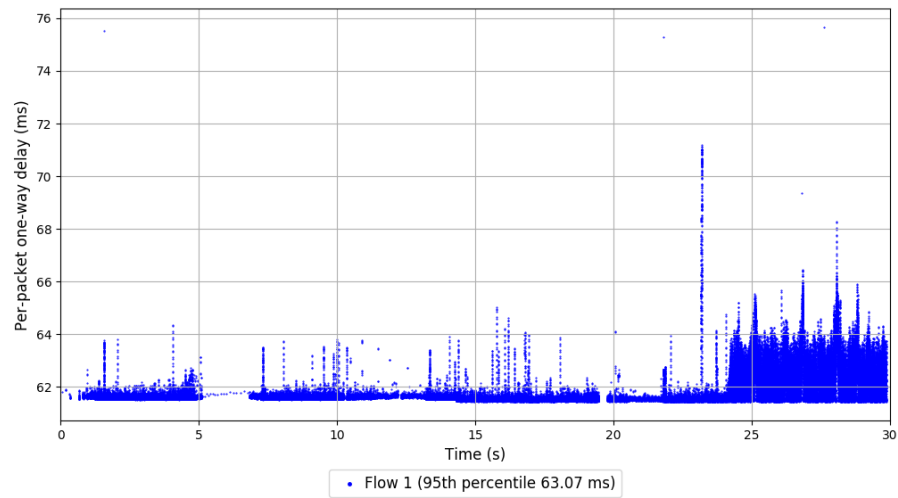
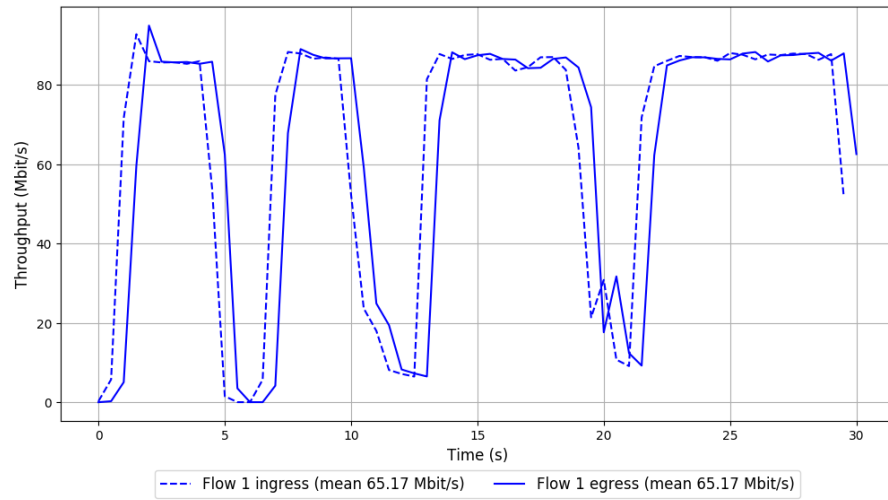
-- Flow 1:

Average throughput: 65.17 Mbit/s

95th percentile per-packet one-way delay: 63.073 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 23:33:20

End at: 2018-05-24 23:33:50

Local clock offset: -0.041 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-05-25 02:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.14 Mbit/s

95th percentile per-packet one-way delay: 61.525 ms

Loss rate: 0.00%

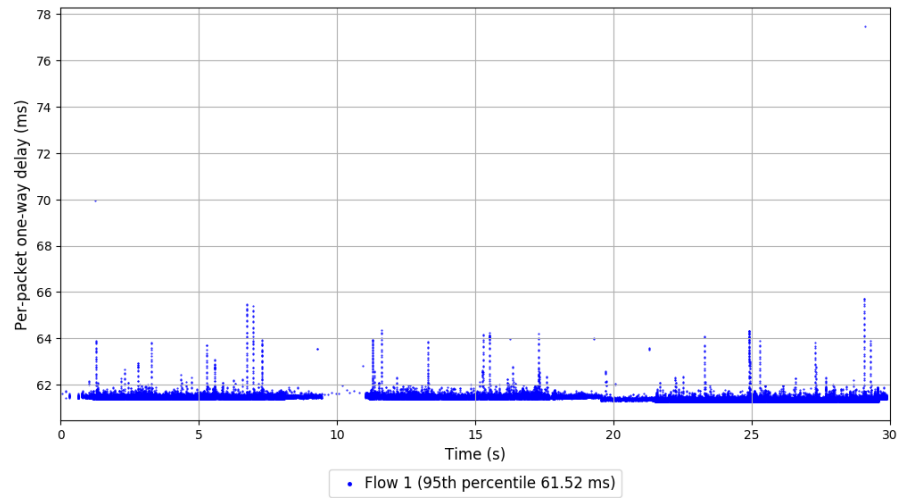
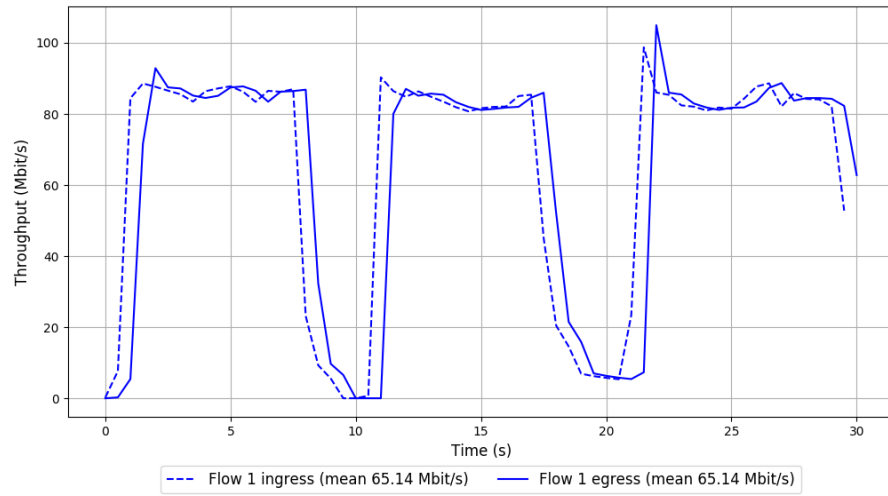
-- Flow 1:

Average throughput: 65.14 Mbit/s

95th percentile per-packet one-way delay: 61.525 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 23:53:28

End at: 2018-05-24 23:53:58

Local clock offset: 0.03 ms

Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-05-25 02:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.19 Mbit/s

95th percentile per-packet one-way delay: 61.430 ms

Loss rate: 0.00%

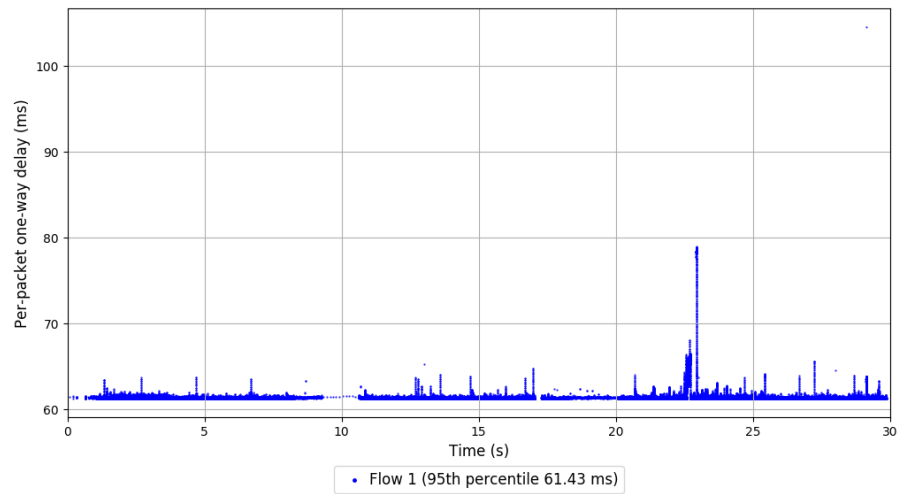
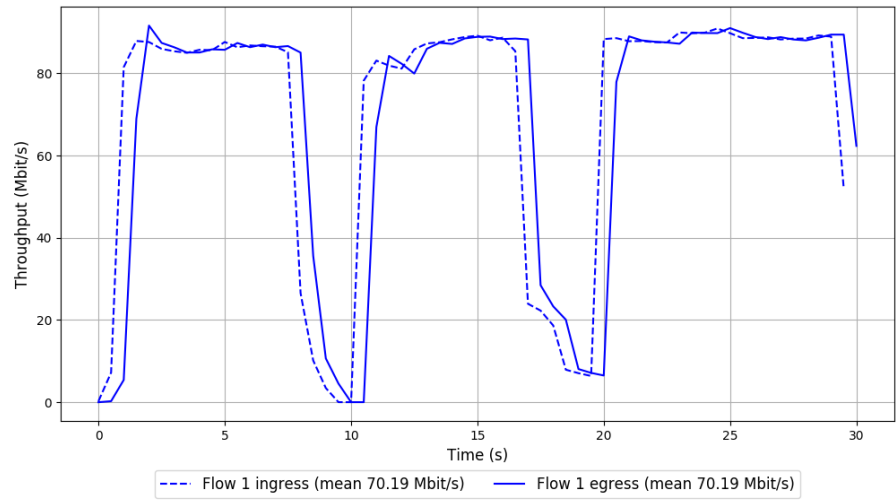
-- Flow 1:

Average throughput: 70.19 Mbit/s

95th percentile per-packet one-way delay: 61.430 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

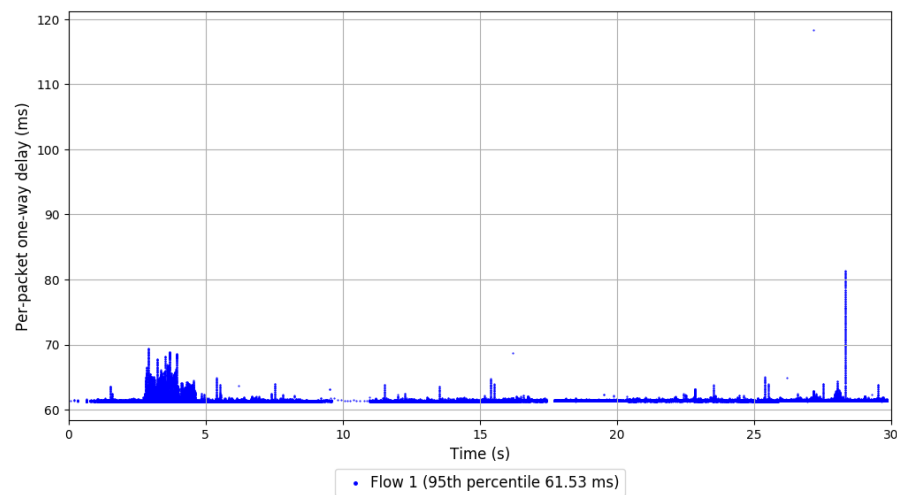
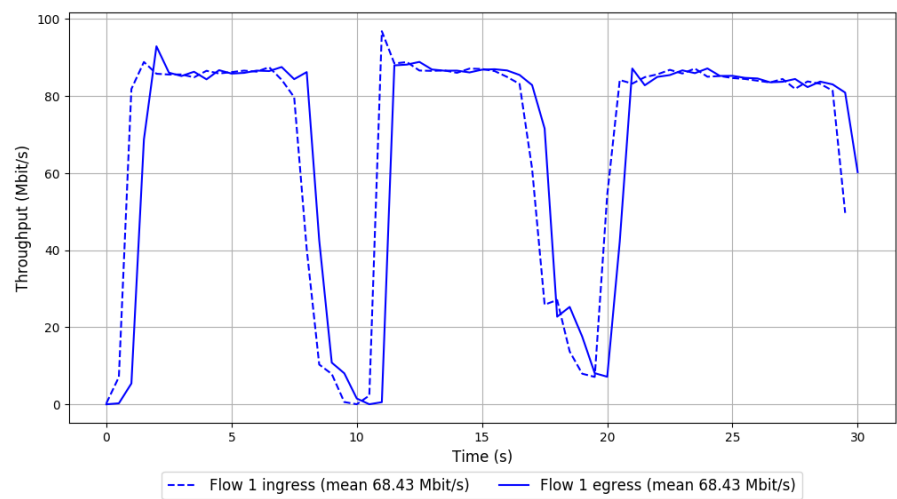


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-25 00:13:33
End at: 2018-05-25 00:14:03
Local clock offset: 0.008 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-05-25 02:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 61.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 61.532 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-25 00:33:16

End at: 2018-05-25 00:33:46

Local clock offset: -0.061 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.82 Mbit/s

95th percentile per-packet one-way delay: 66.544 ms

Loss rate: 0.00%

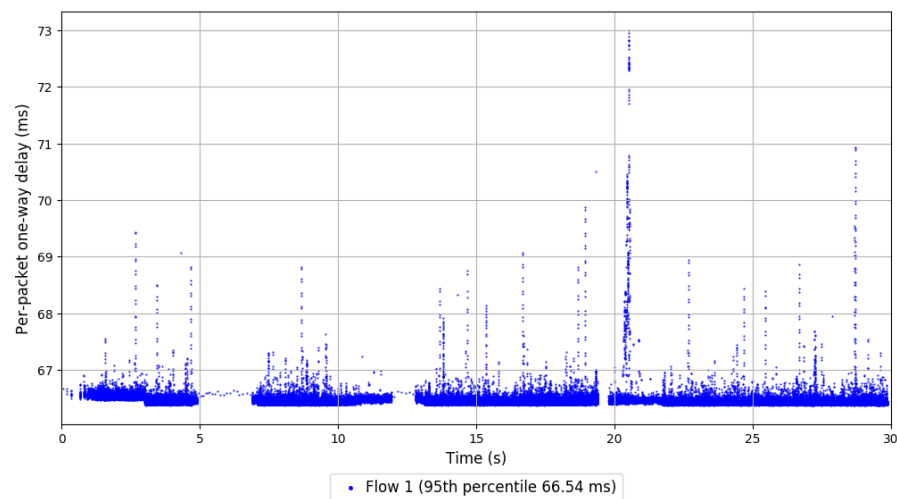
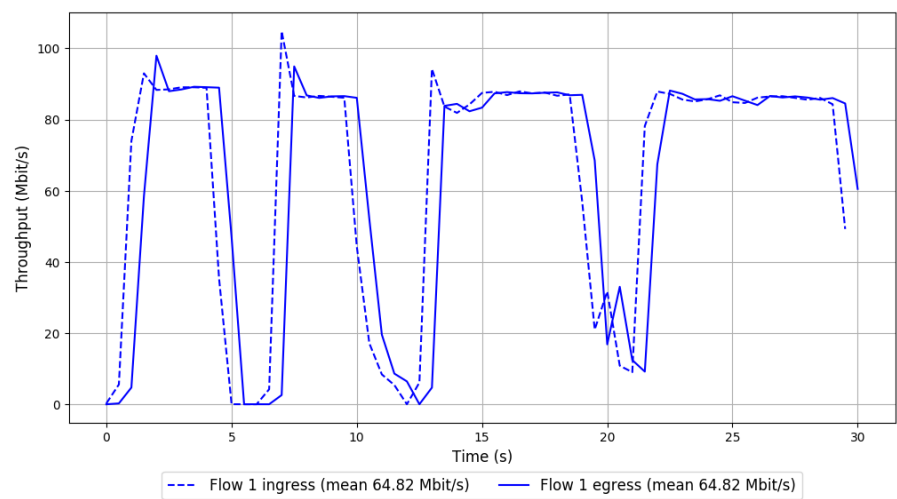
-- Flow 1:

Average throughput: 64.82 Mbit/s

95th percentile per-packet one-way delay: 66.544 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-25 00:53:11

End at: 2018-05-25 00:53:41

Local clock offset: -0.021 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.00 Mbit/s

95th percentile per-packet one-way delay: 66.627 ms

Loss rate: 0.00%

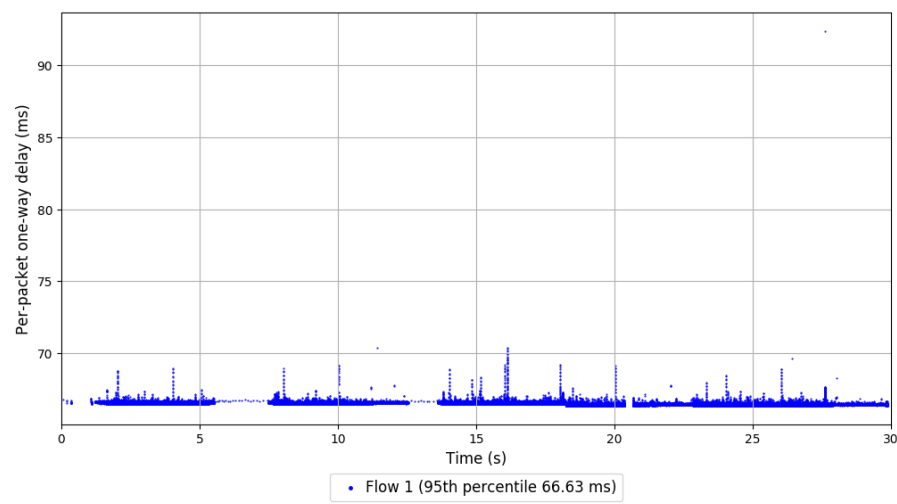
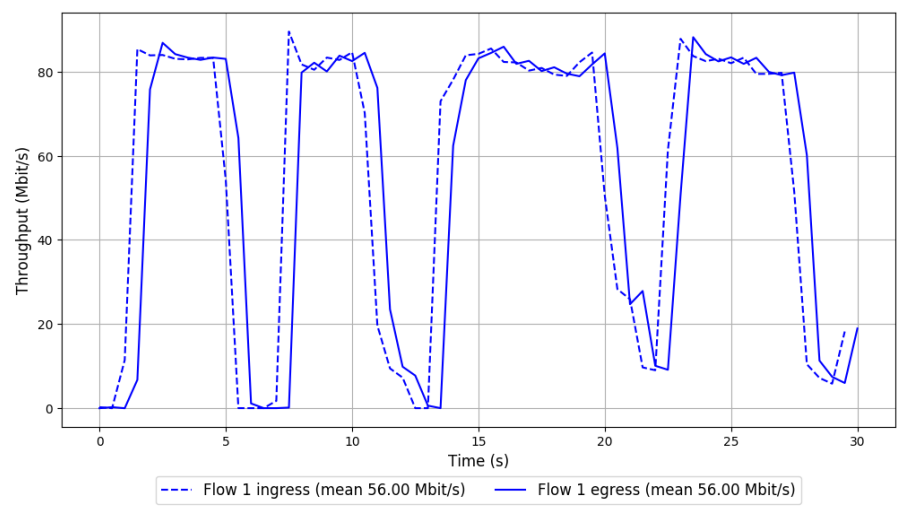
-- Flow 1:

Average throughput: 56.00 Mbit/s

95th percentile per-packet one-way delay: 66.627 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-25 01:13:13

End at: 2018-05-25 01:13:43

Local clock offset: -0.03 ms

Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.97 Mbit/s

95th percentile per-packet one-way delay: 66.553 ms

Loss rate: 0.00%

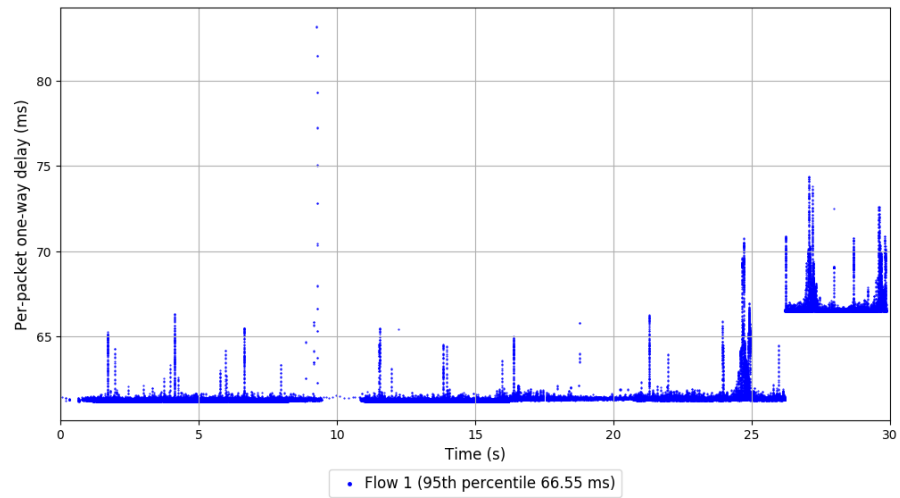
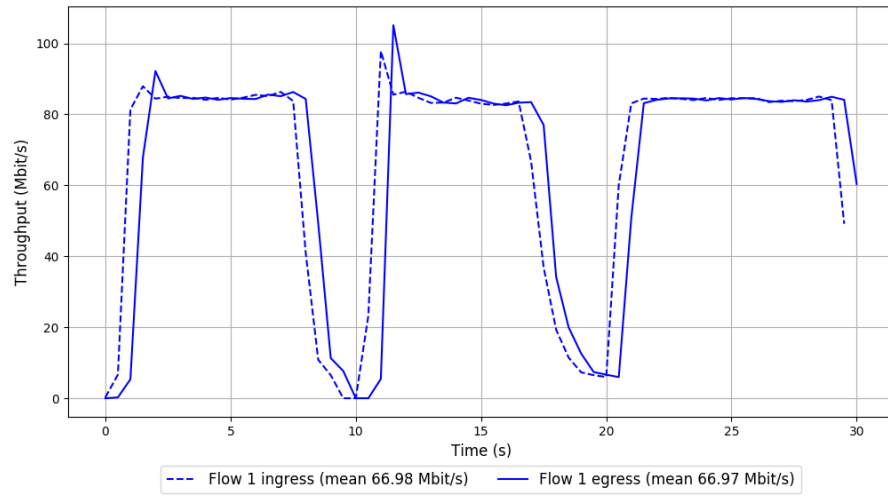
-- Flow 1:

Average throughput: 66.97 Mbit/s

95th percentile per-packet one-way delay: 66.553 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

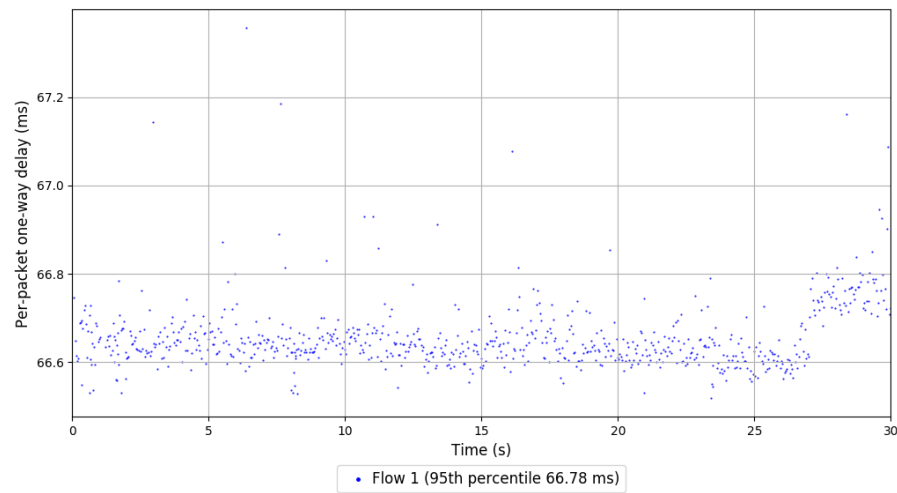
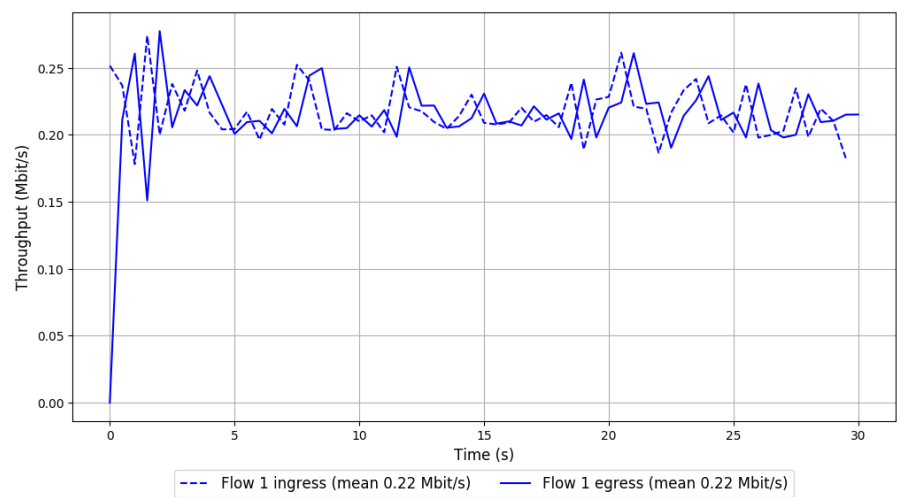


```
Run 1: Statistics of SCReAM

Start at: 2018-05-24 22:10:02
End at: 2018-05-24 22:10:32
Local clock offset: 0.016 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.782 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

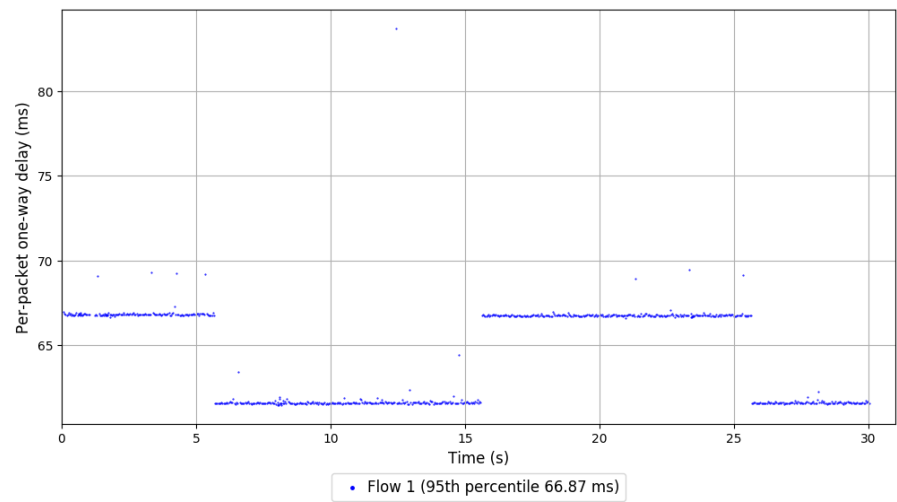
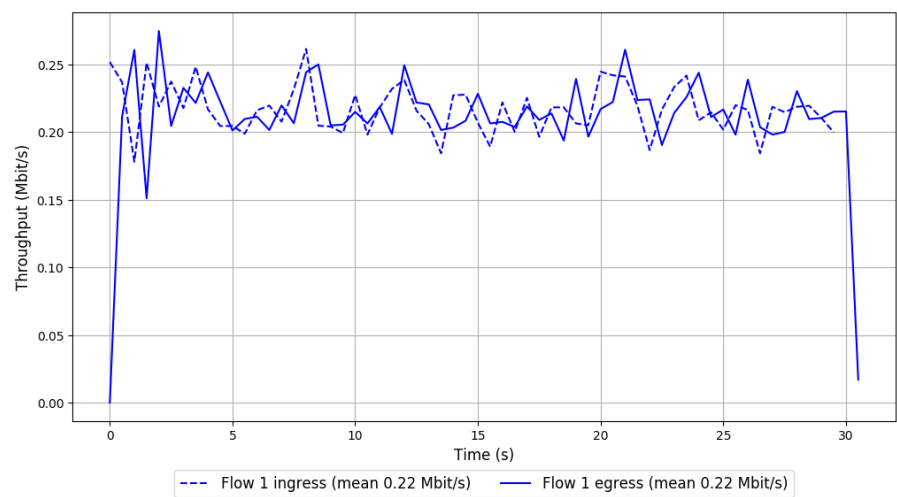


```
Run 2: Statistics of SCReAM

Start at: 2018-05-24 22:30:04
End at: 2018-05-24 22:30:34
Local clock offset: -0.013 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-24 22:50:16

End at: 2018-05-24 22:50:46

Local clock offset: 0.014 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.030 ms

Loss rate: 0.00%

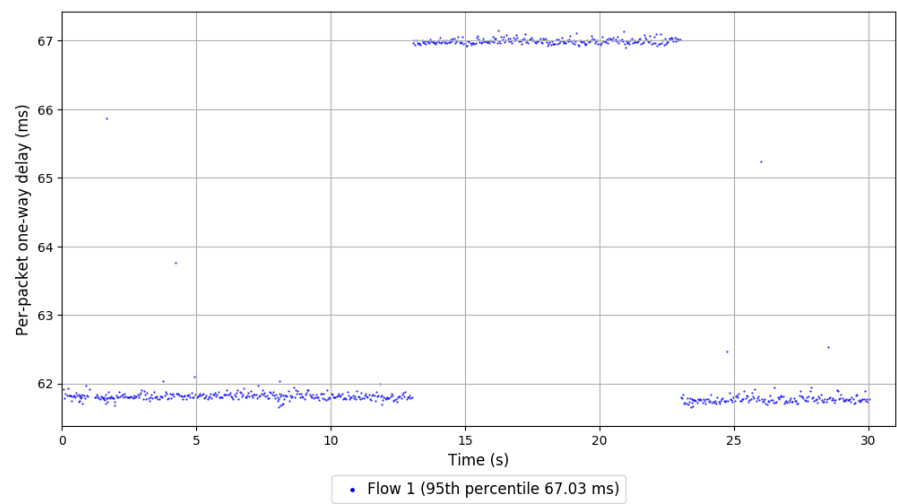
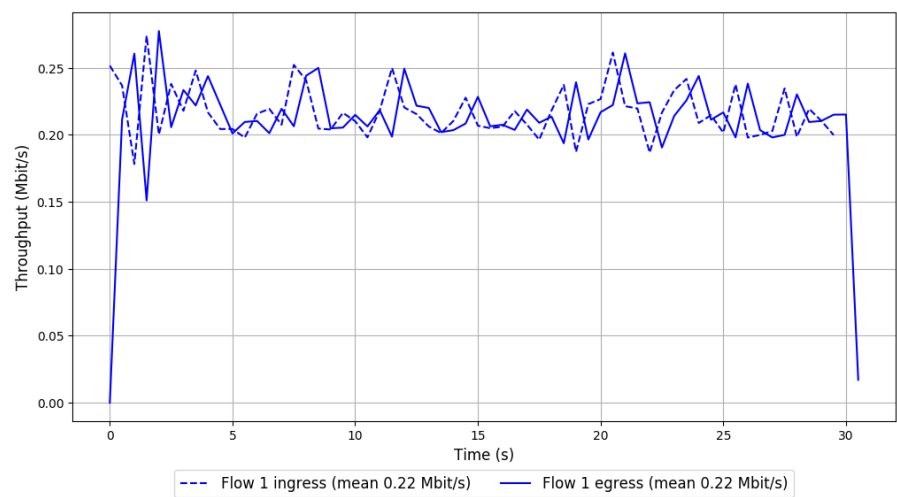
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.030 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-24 23:10:31

End at: 2018-05-24 23:11:01

Local clock offset: -0.092 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.183 ms

Loss rate: 0.00%

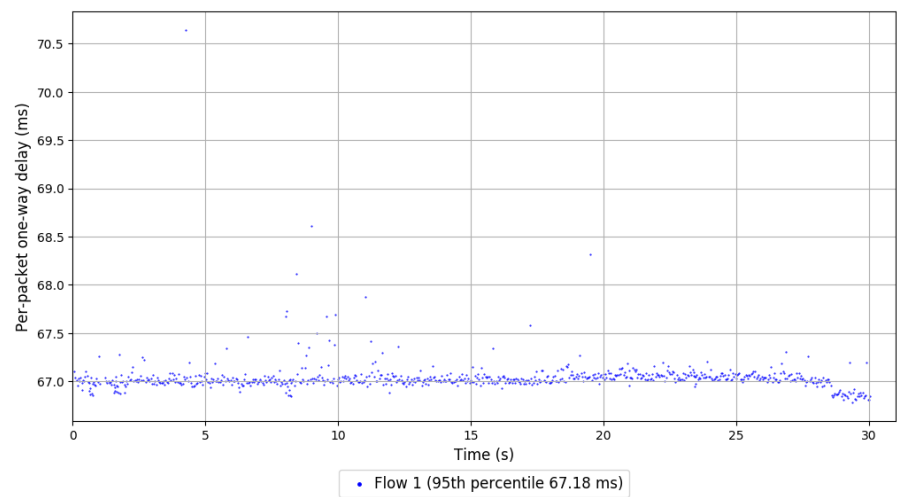
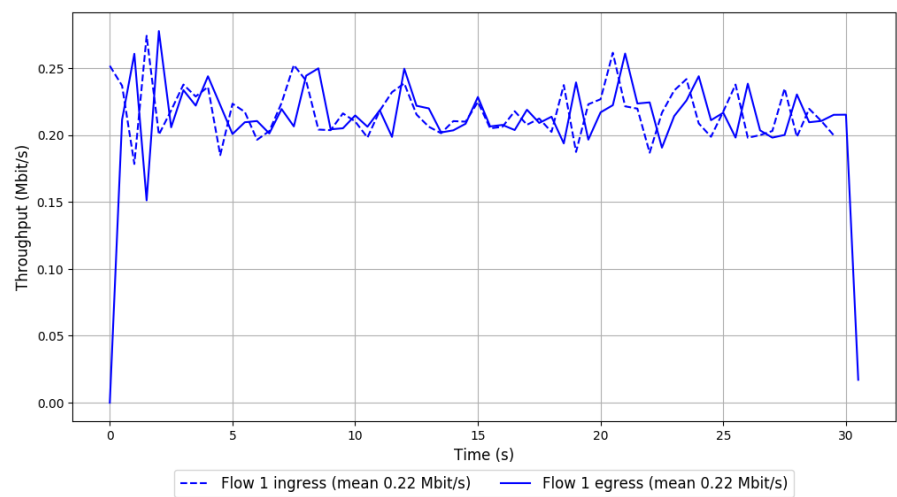
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.183 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-24 23:30:42

End at: 2018-05-24 23:31:12

Local clock offset: -0.065 ms

Remote clock offset: 0.315 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.146 ms

Loss rate: 0.00%

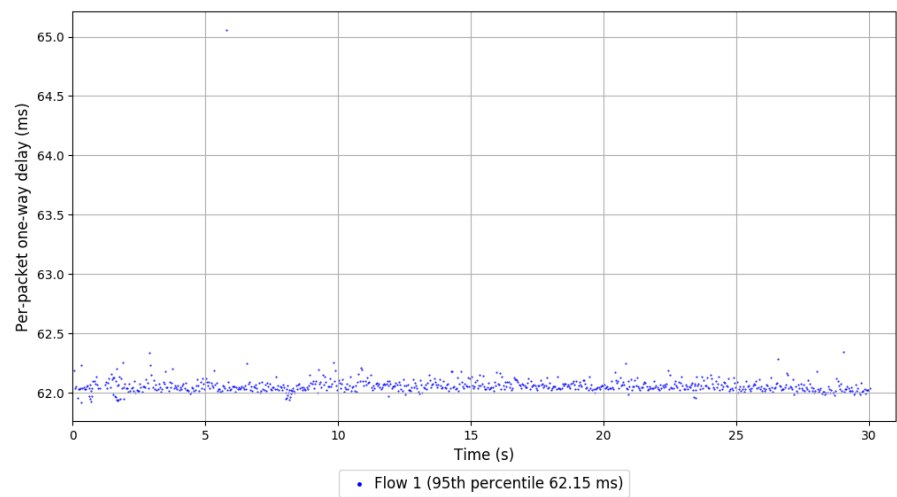
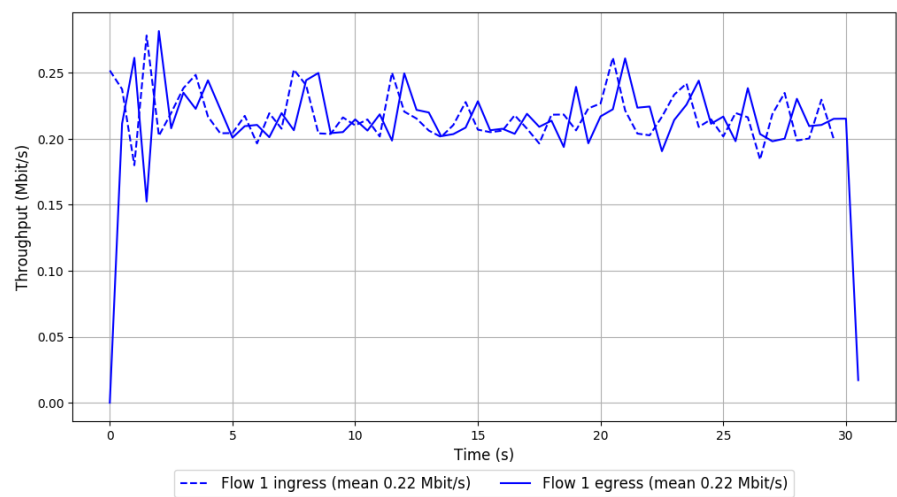
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.146 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

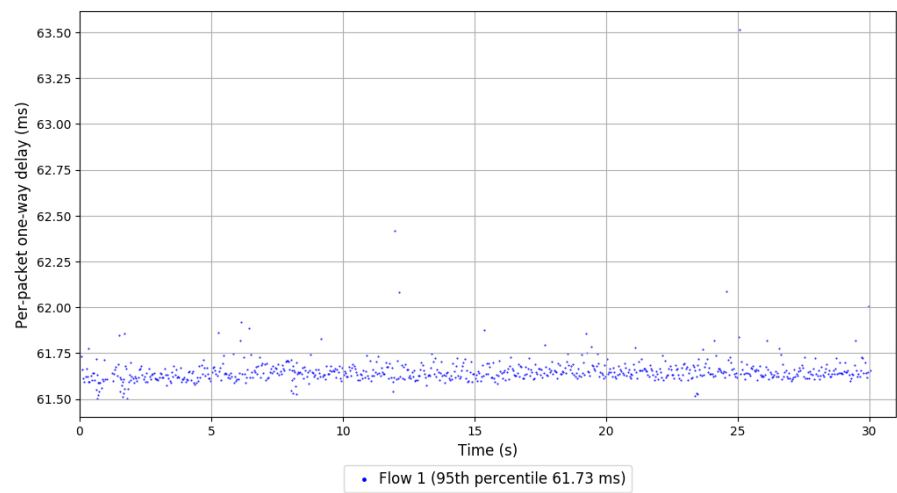
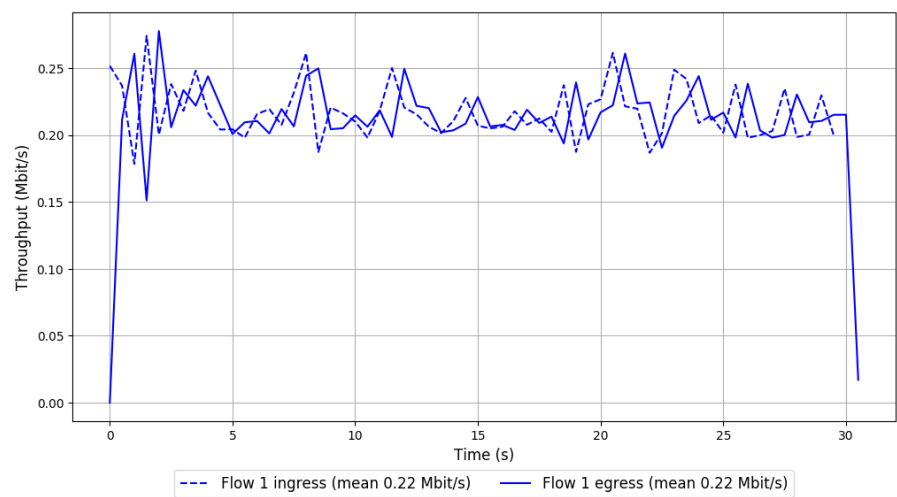


Run 6: Statistics of SCReAM

Start at: 2018-05-24 23:50:54
End at: 2018-05-24 23:51:24
Local clock offset: 0.003 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-25 02:31:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.734 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-25 00:11:02

End at: 2018-05-25 00:11:32

Local clock offset: 0.019 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.933 ms

Loss rate: 0.00%

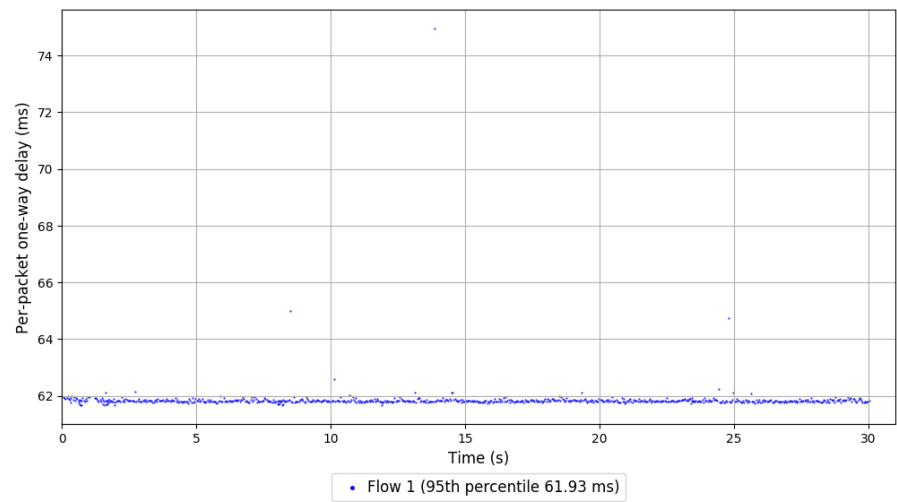
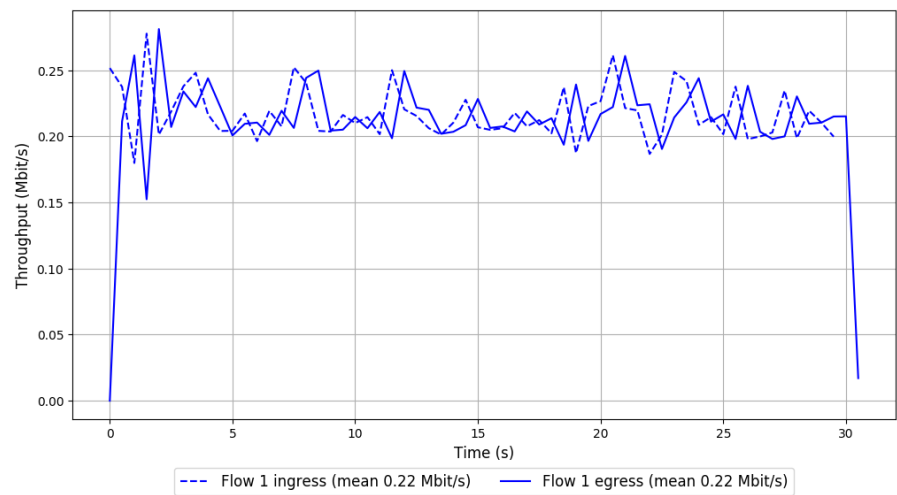
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.933 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-25 00:30:55

End at: 2018-05-25 00:31:25

Local clock offset: -0.042 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.954 ms

Loss rate: 0.00%

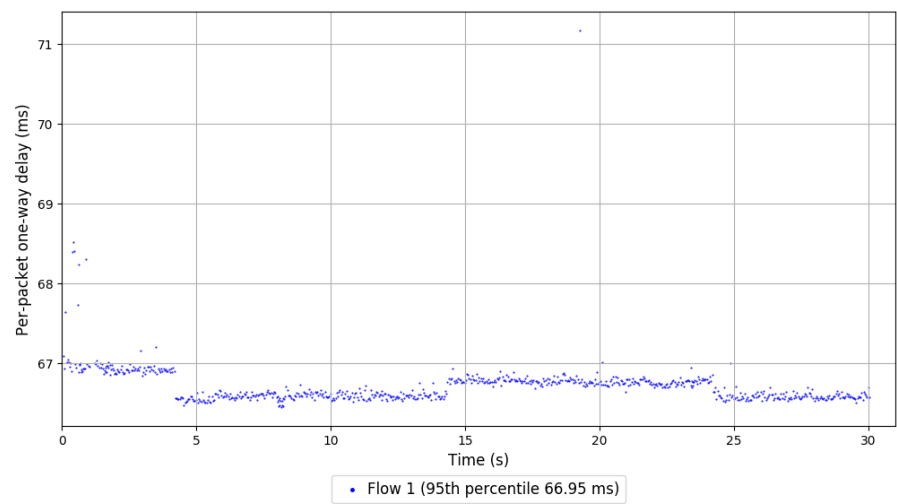
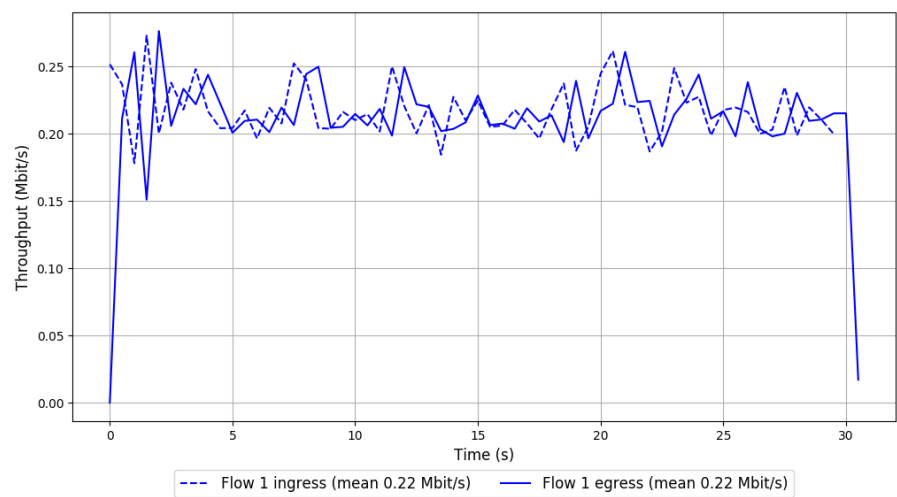
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.954 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

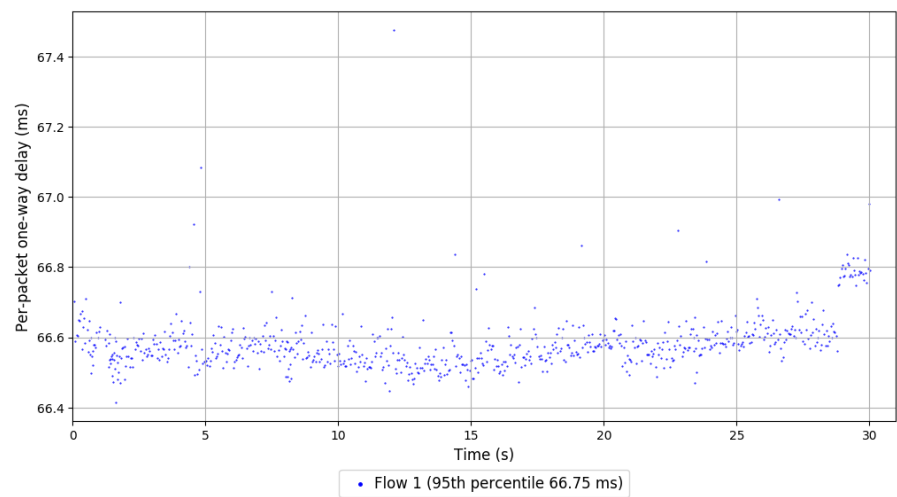
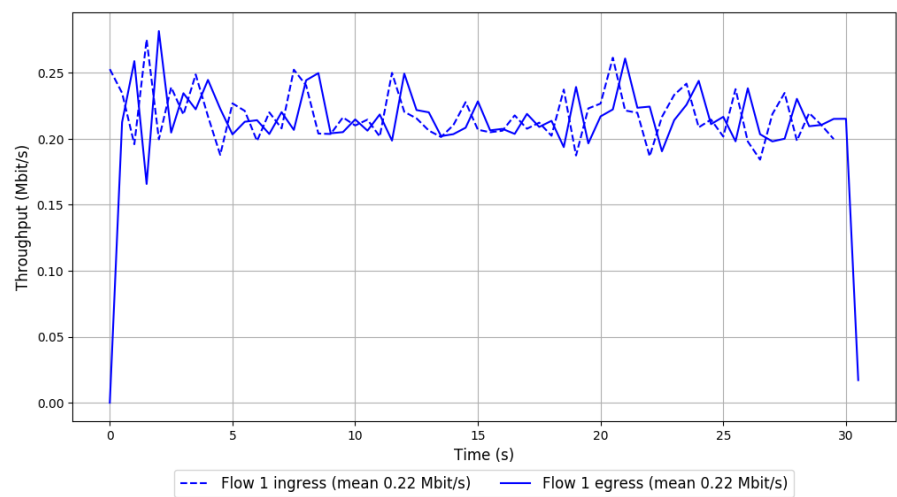


Run 9: Statistics of SCReAM

Start at: 2018-05-25 00:50:31
End at: 2018-05-25 00:51:01
Local clock offset: -0.047 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-05-25 02:31:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.748 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

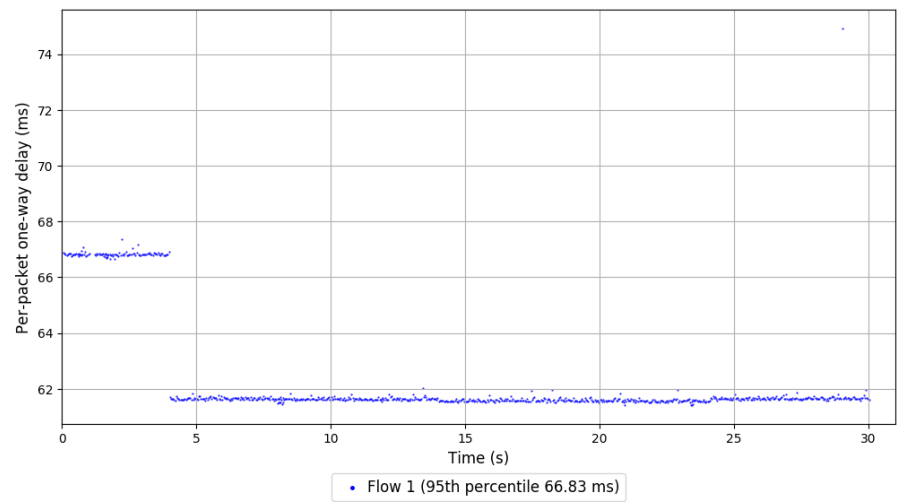
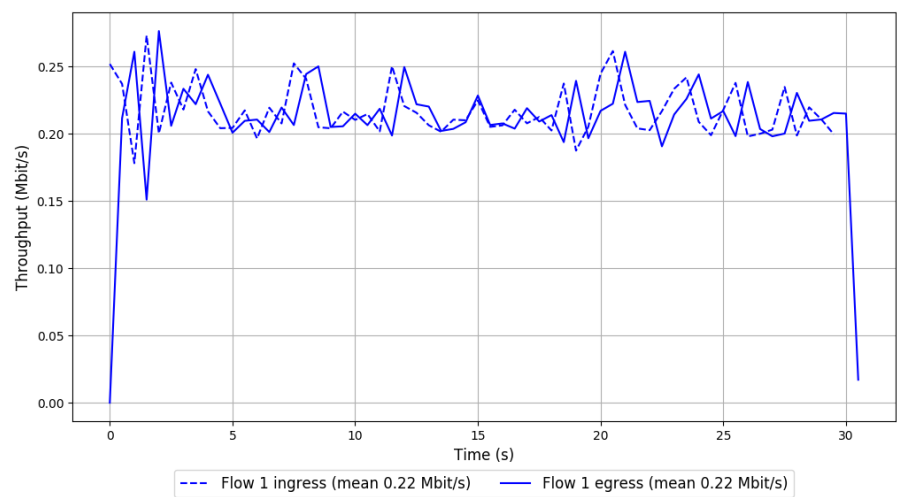


Run 10: Statistics of SReAM

Start at: 2018-05-25 01:10:45
End at: 2018-05-25 01:11:16
Local clock offset: -0.047 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-05-25 02:31:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.830 ms
Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-24 21:59:05

End at: 2018-05-24 21:59:35

Local clock offset: -0.054 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 66.929 ms

Loss rate: 0.00%

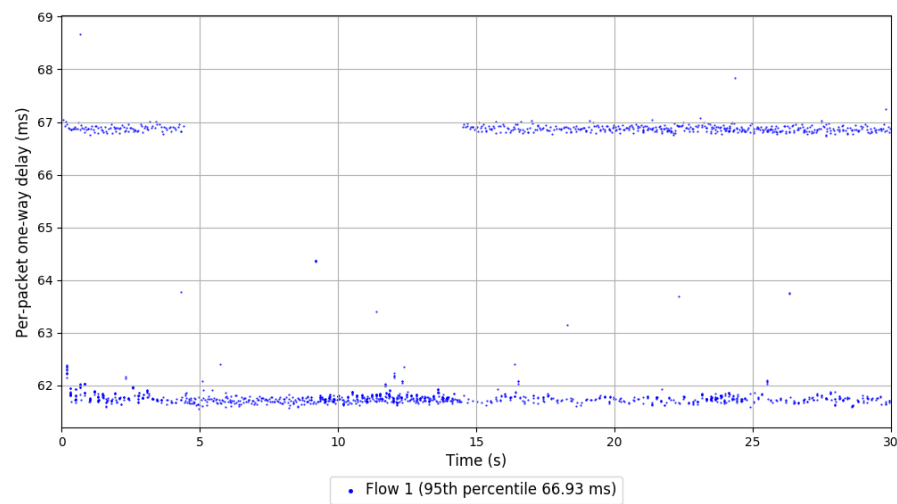
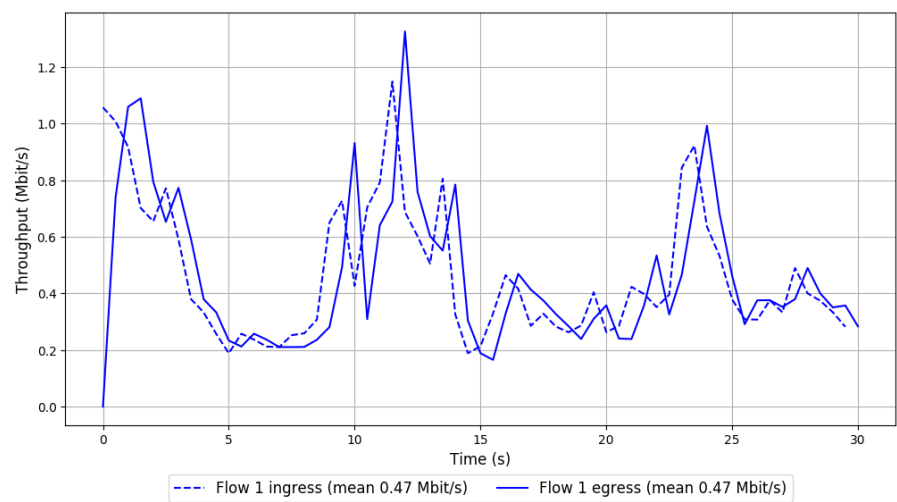
-- Flow 1:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 66.929 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

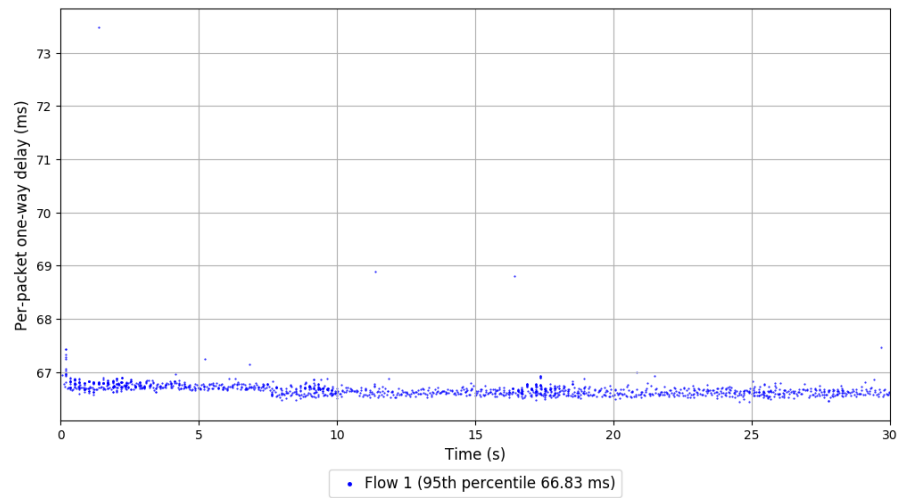
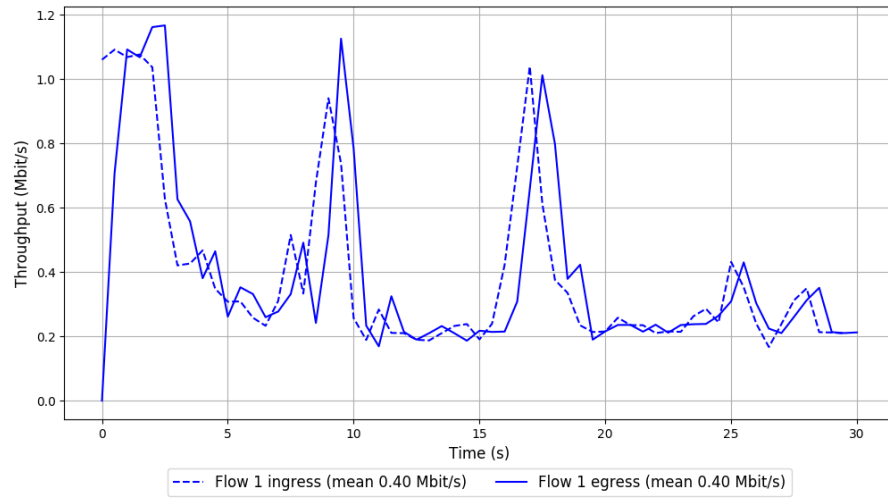


Run 2: Statistics of Sprout

Start at: 2018-05-24 22:19:22
End at: 2018-05-24 22:19:52
Local clock offset: 0.015 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-05-25 02:31:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.829 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

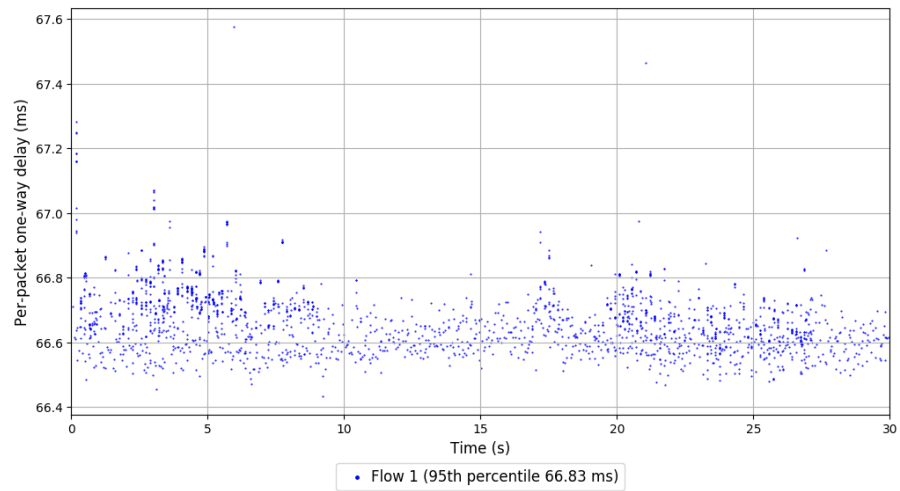
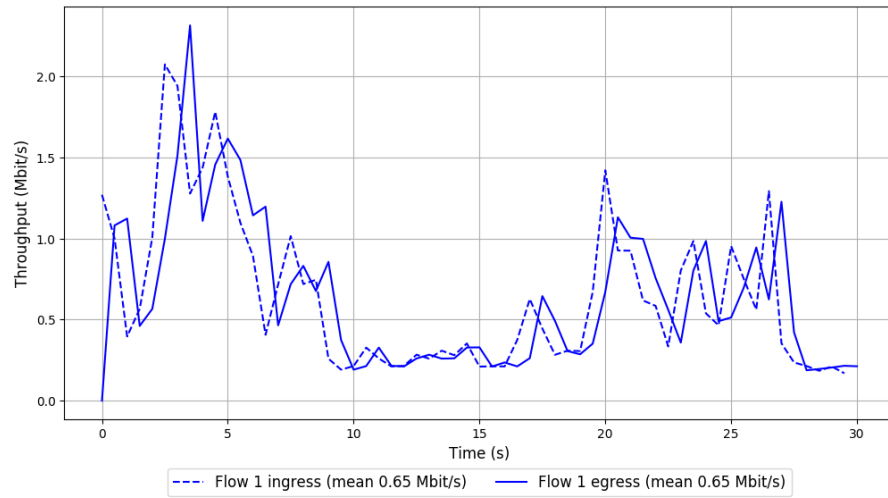


Run 3: Statistics of Sprout

Start at: 2018-05-24 22:39:28
End at: 2018-05-24 22:39:58
Local clock offset: 0.025 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-05-25 02:31:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 66.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 66.829 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-24 22:59:32

End at: 2018-05-24 23:00:02

Local clock offset: -0.023 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 66.695 ms

Loss rate: 0.00%

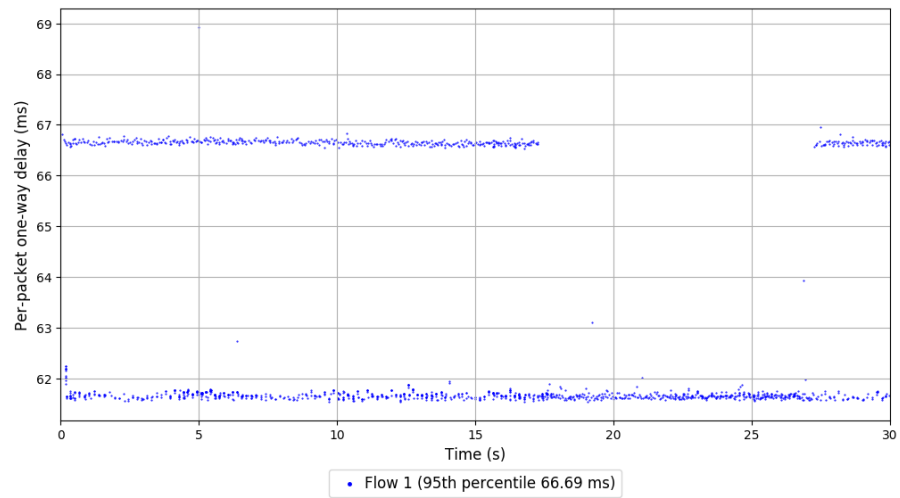
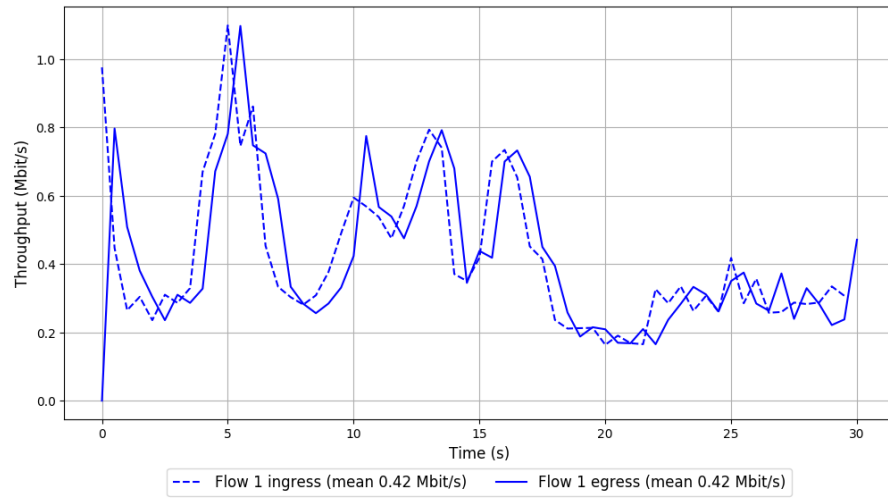
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 66.695 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-24 23:19:55

End at: 2018-05-24 23:20:25

Local clock offset: -0.072 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.87 Mbit/s

95th percentile per-packet one-way delay: 62.224 ms

Loss rate: 0.00%

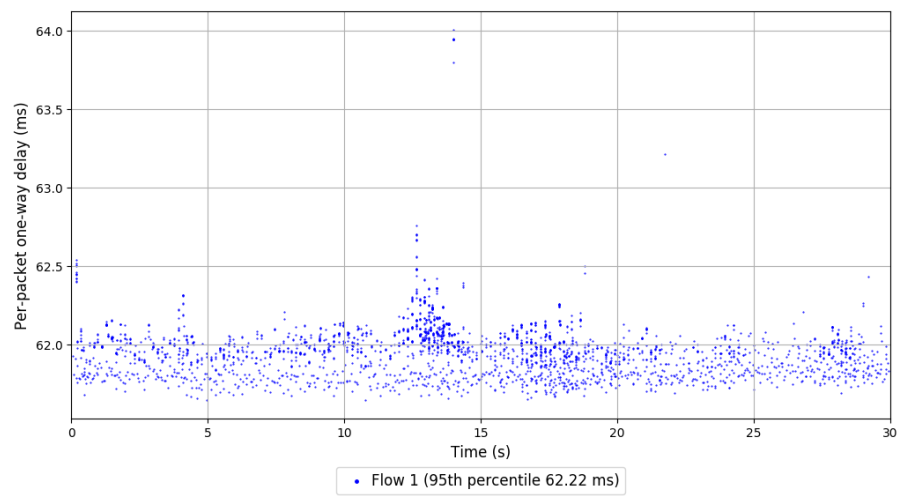
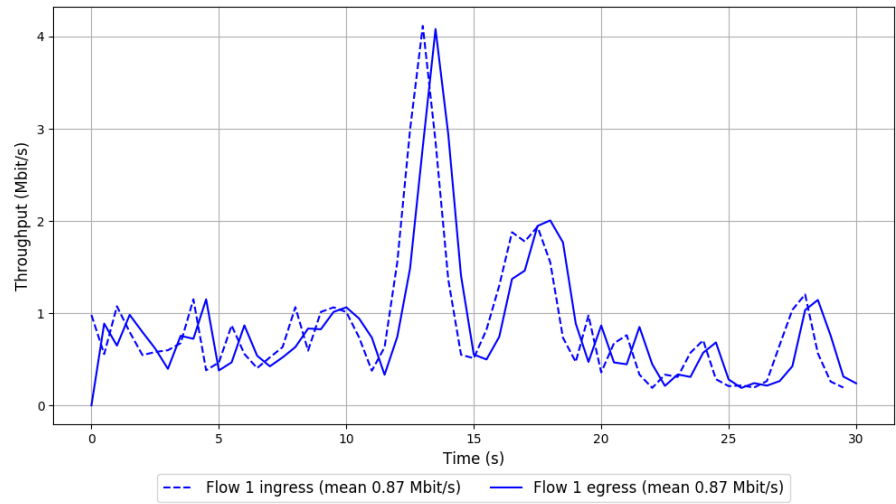
-- Flow 1:

Average throughput: 0.87 Mbit/s

95th percentile per-packet one-way delay: 62.224 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

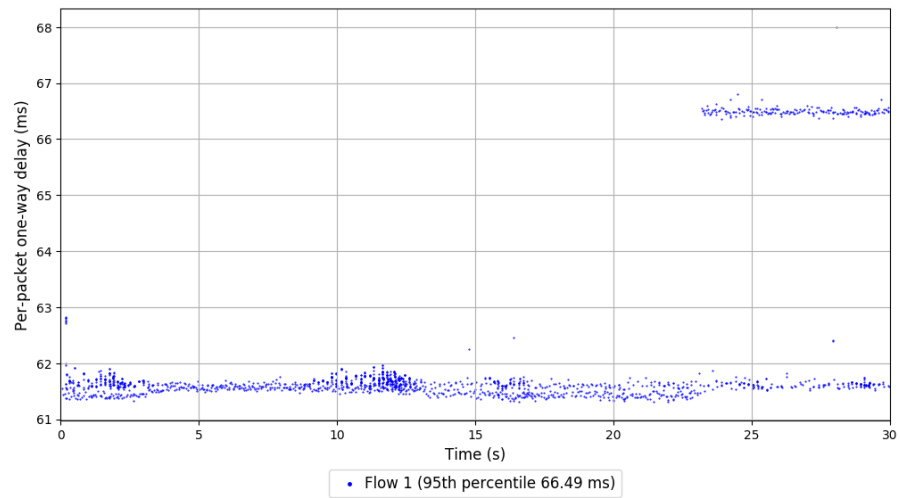
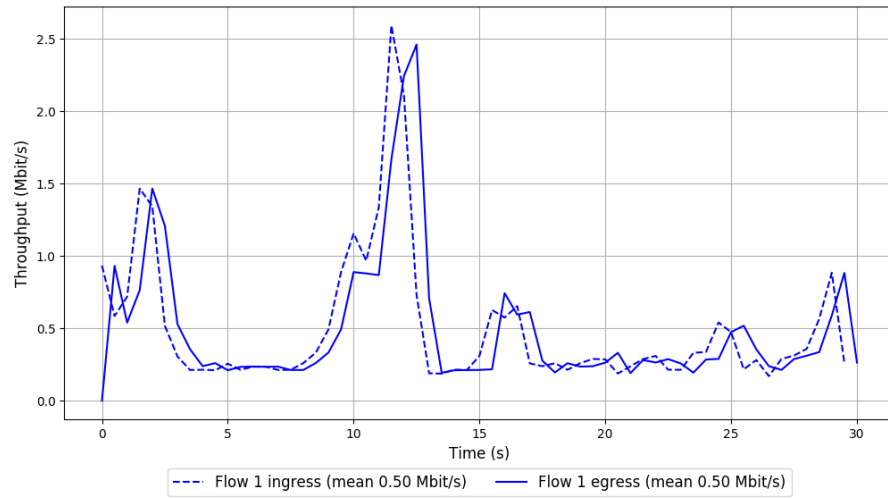


Run 6: Statistics of Sprout

Start at: 2018-05-24 23:40:06
End at: 2018-05-24 23:40:36
Local clock offset: 0.011 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-05-25 02:31:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 66.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 66.490 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

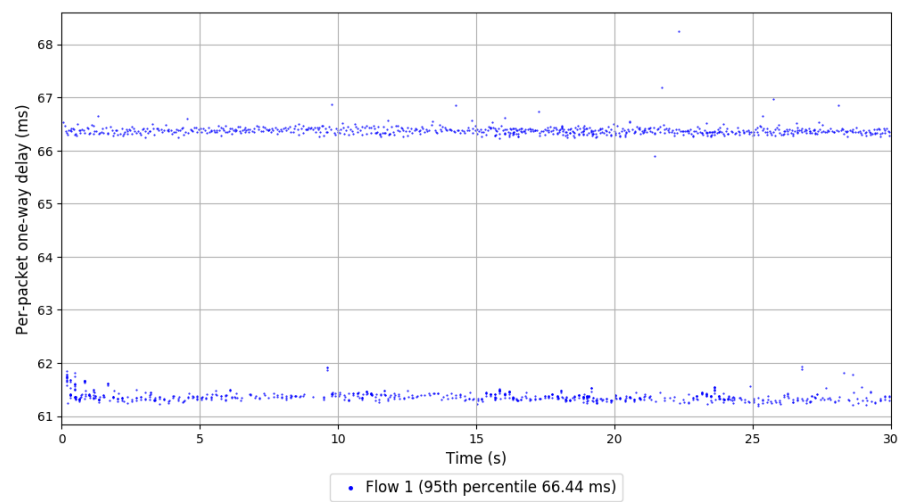
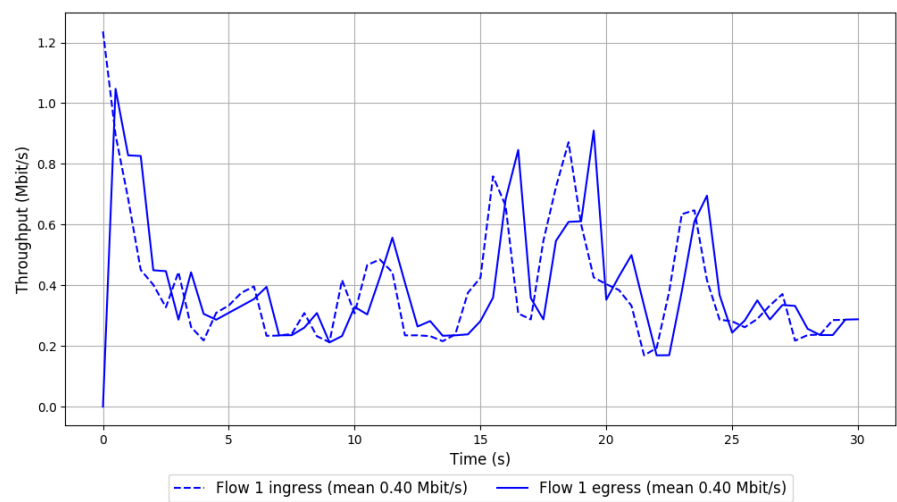


Run 7: Statistics of Sprout

Start at: 2018-05-25 00:00:15
End at: 2018-05-25 00:00:45
Local clock offset: 0.074 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-05-25 02:31:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.442 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-25 00:20:21

End at: 2018-05-25 00:20:51

Local clock offset: -0.006 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 61.922 ms

Loss rate: 0.00%

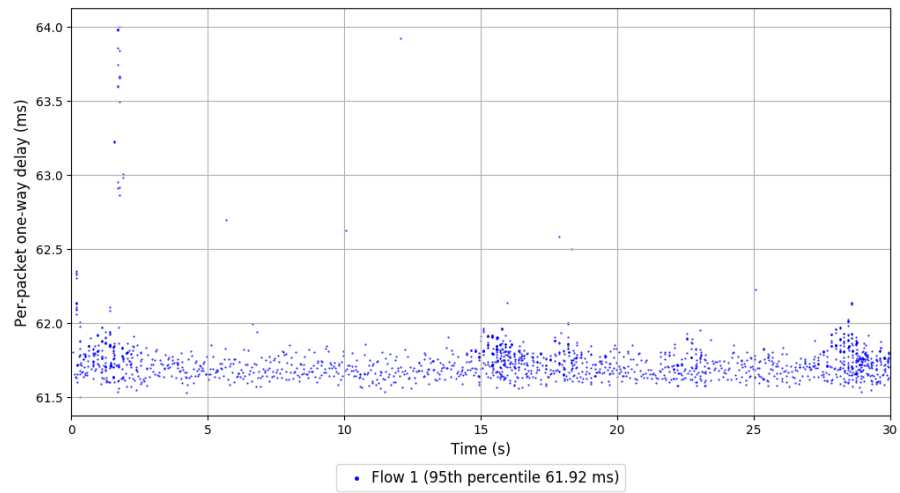
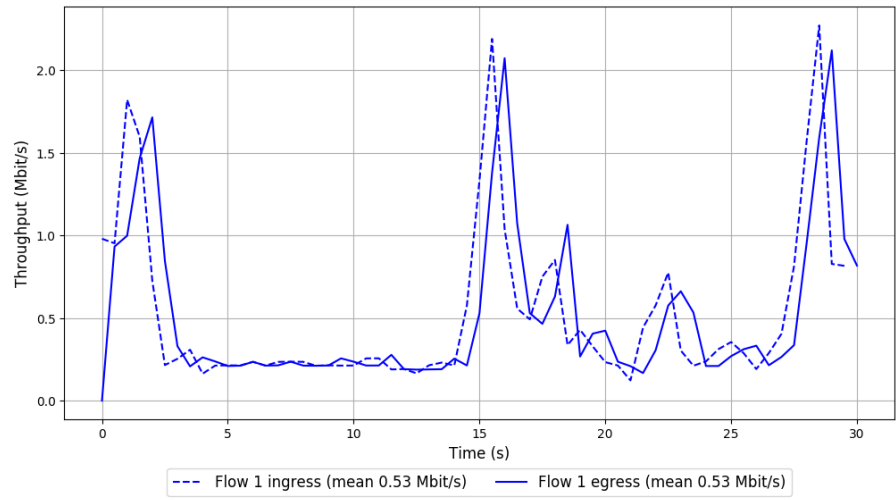
-- Flow 1:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 61.922 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-25 00:39:56

End at: 2018-05-25 00:40:26

Local clock offset: -0.037 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 67.209 ms

Loss rate: 0.00%

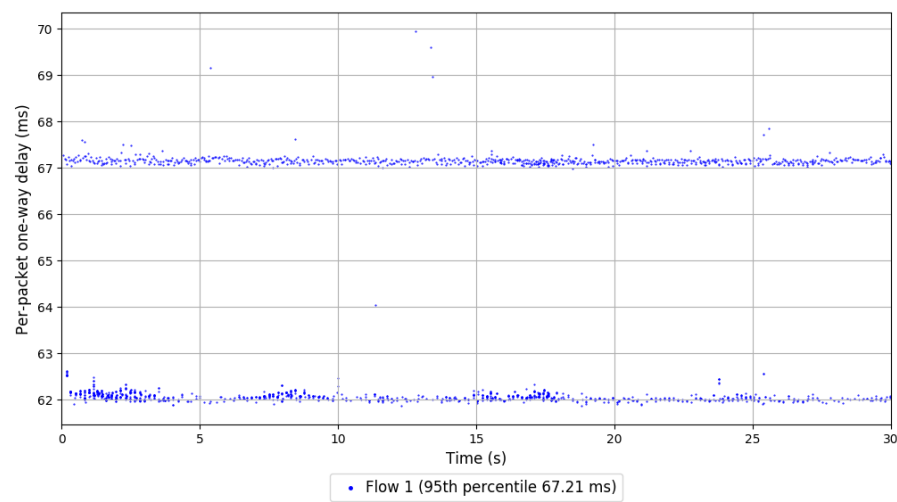
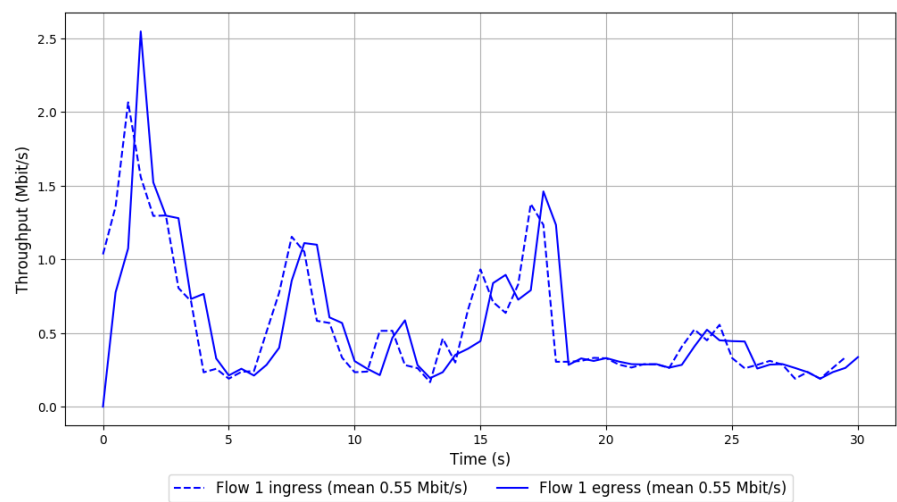
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 67.209 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-25 01:00:04

End at: 2018-05-25 01:00:34

Local clock offset: -0.036 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 66.607 ms

Loss rate: 0.00%

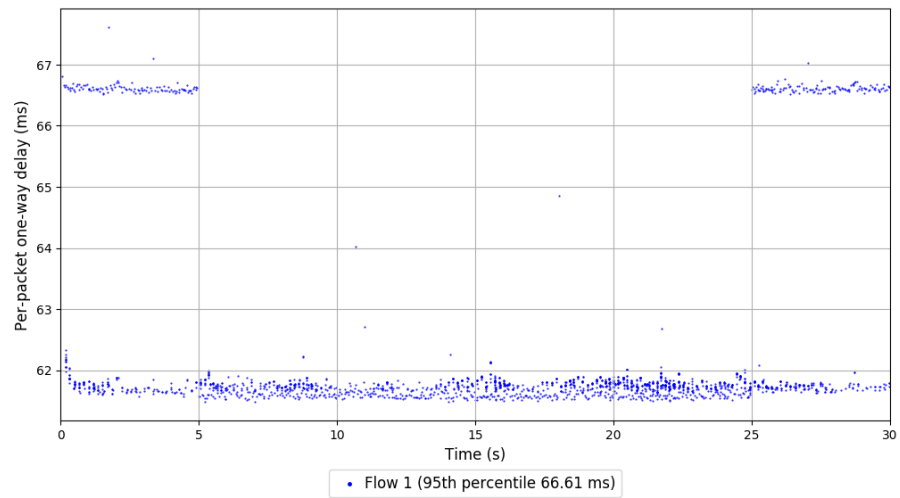
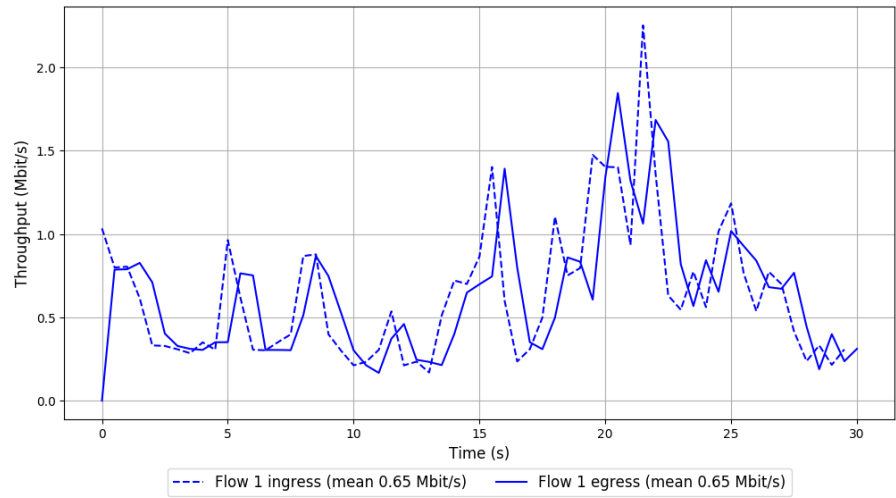
-- Flow 1:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 66.607 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 22:07:37

End at: 2018-05-24 22:08:07

Local clock offset: 0.004 ms

Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-05-25 02:31:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 66.533 ms

Loss rate: 0.00%

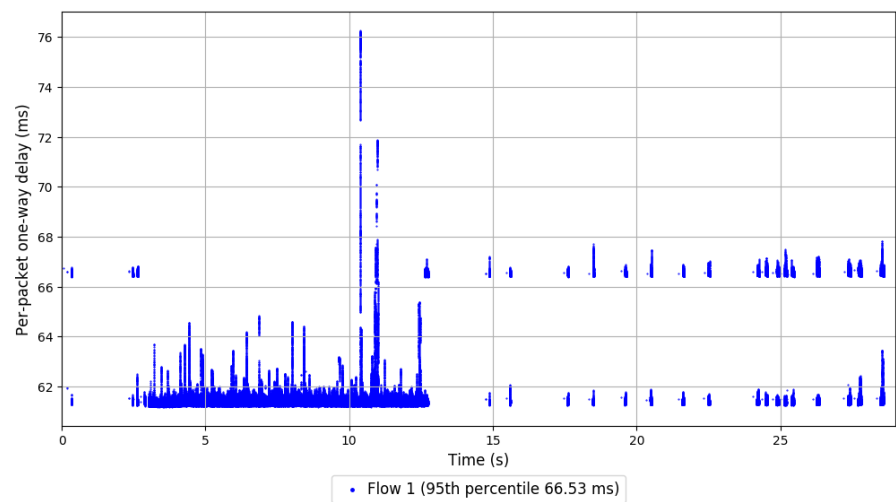
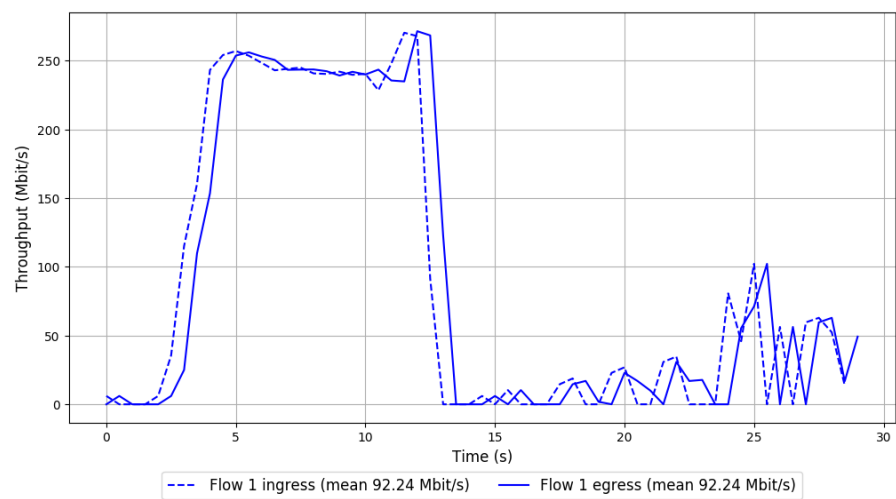
-- Flow 1:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 66.533 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

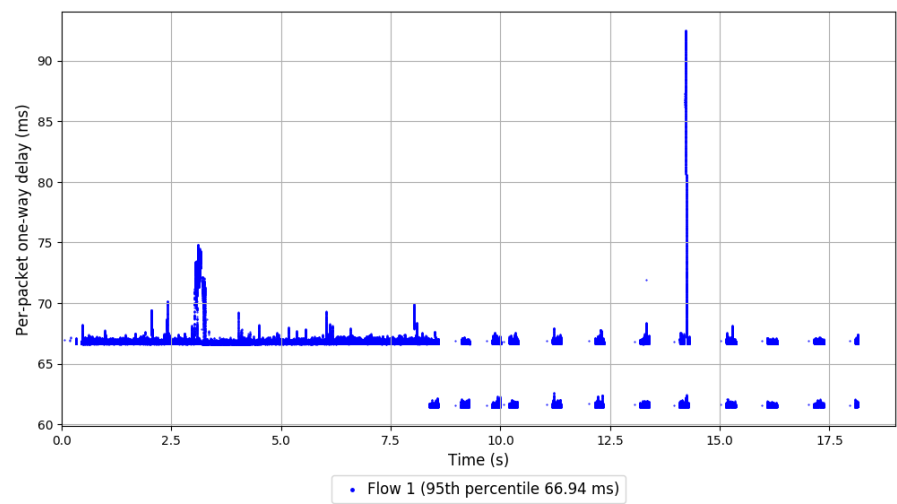
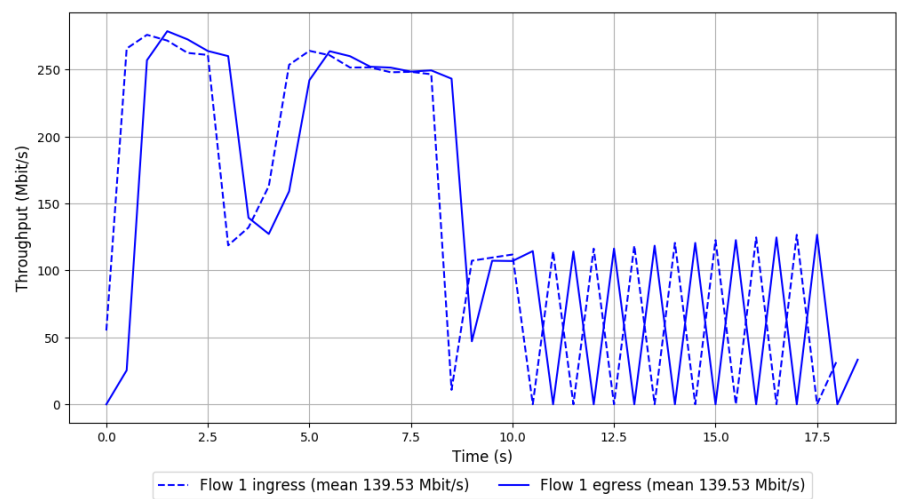
Start at: 2018-05-24 22:27:41

End at: 2018-05-24 22:28:11

Local clock offset: 0.029 ms

Remote clock offset: 0.095 ms

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 22:47:42

End at: 2018-05-24 22:48:12

Local clock offset: -0.034 ms

Remote clock offset: 0.173 ms

Below is generated by plot.py at 2018-05-25 02:33:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.95 Mbit/s

95th percentile per-packet one-way delay: 67.059 ms

Loss rate: 0.00%

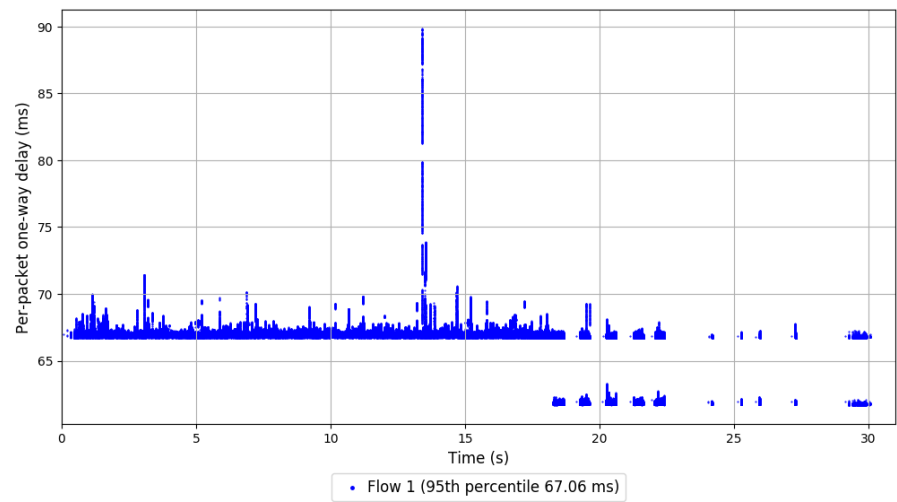
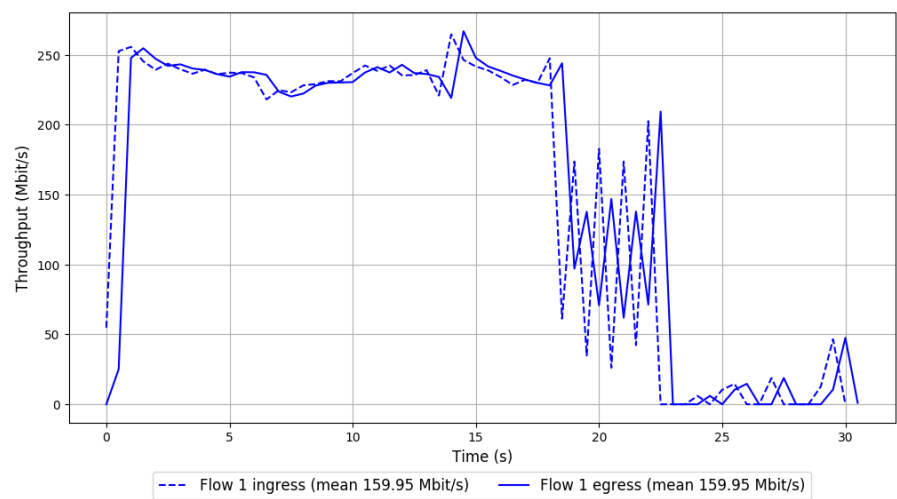
-- Flow 1:

Average throughput: 159.95 Mbit/s

95th percentile per-packet one-way delay: 67.059 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 23:07:55

End at: 2018-05-24 23:08:25

Local clock offset: -0.065 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-05-25 02:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.72 Mbit/s

95th percentile per-packet one-way delay: 61.768 ms

Loss rate: 0.00%

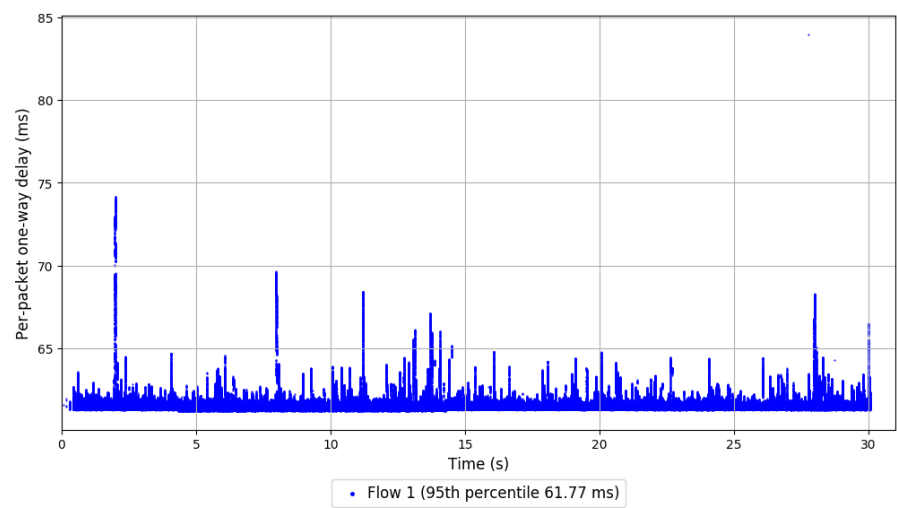
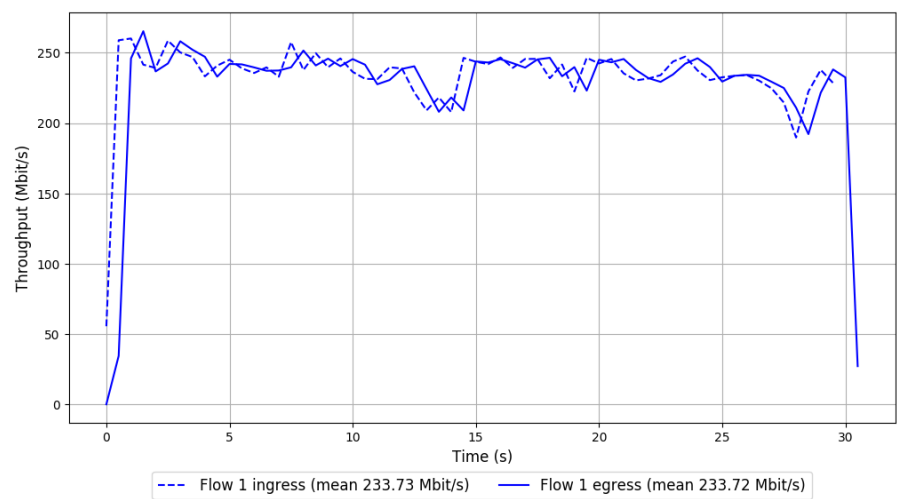
-- Flow 1:

Average throughput: 233.72 Mbit/s

95th percentile per-packet one-way delay: 61.768 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 23:28:13

End at: 2018-05-24 23:28:43

Local clock offset: -0.106 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2018-05-25 02:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.98 Mbit/s

95th percentile per-packet one-way delay: 63.173 ms

Loss rate: 0.00%

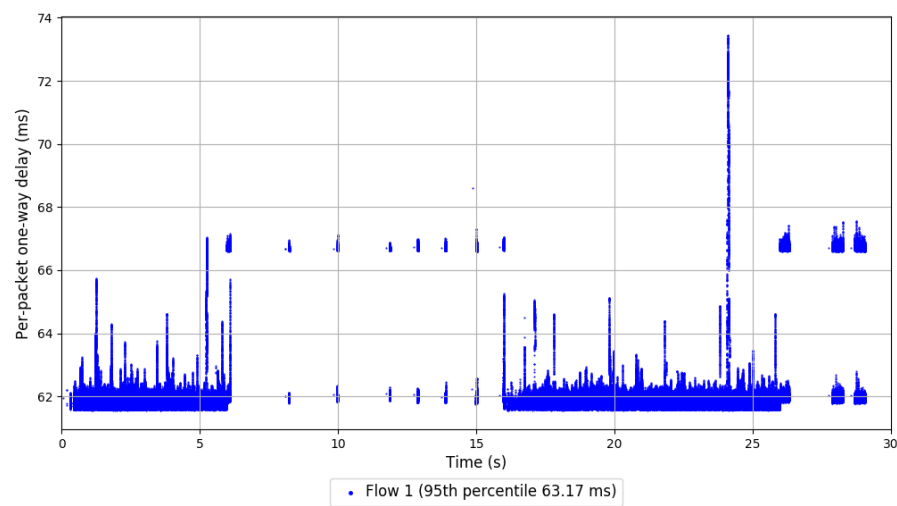
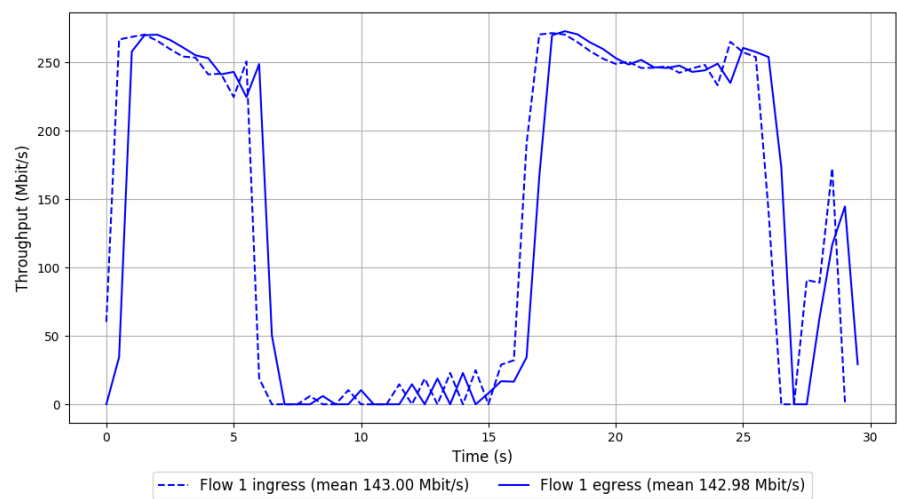
-- Flow 1:

Average throughput: 142.98 Mbit/s

95th percentile per-packet one-way delay: 63.173 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 23:48:27

End at: 2018-05-24 23:48:57

Local clock offset: 0.064 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-05-25 02:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.33 Mbit/s

95th percentile per-packet one-way delay: 66.649 ms

Loss rate: 0.00%

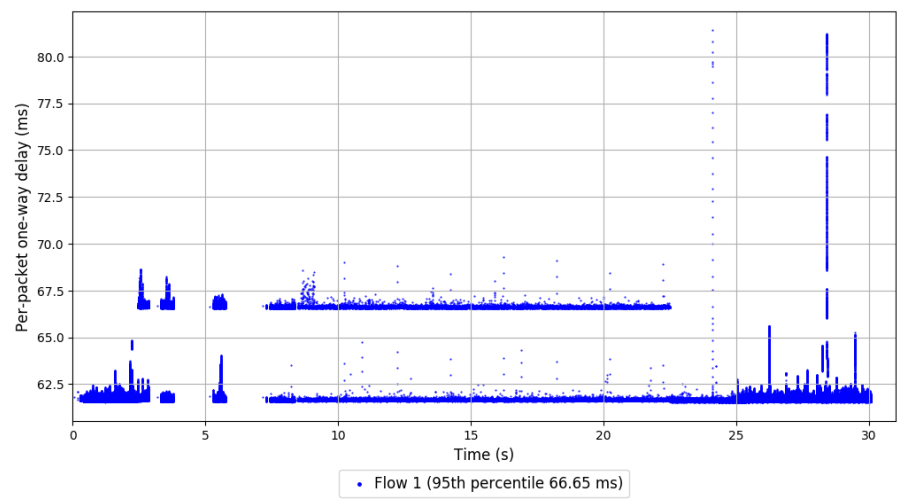
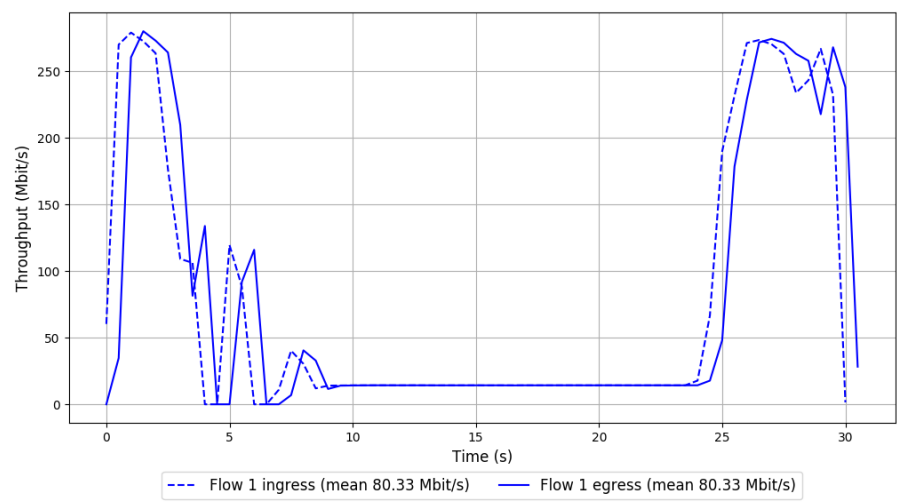
-- Flow 1:

Average throughput: 80.33 Mbit/s

95th percentile per-packet one-way delay: 66.649 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-25 00:08:41

End at: 2018-05-25 00:09:11

Local clock offset: 0.014 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-05-25 02:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.42 Mbit/s

95th percentile per-packet one-way delay: 66.900 ms

Loss rate: 0.00%

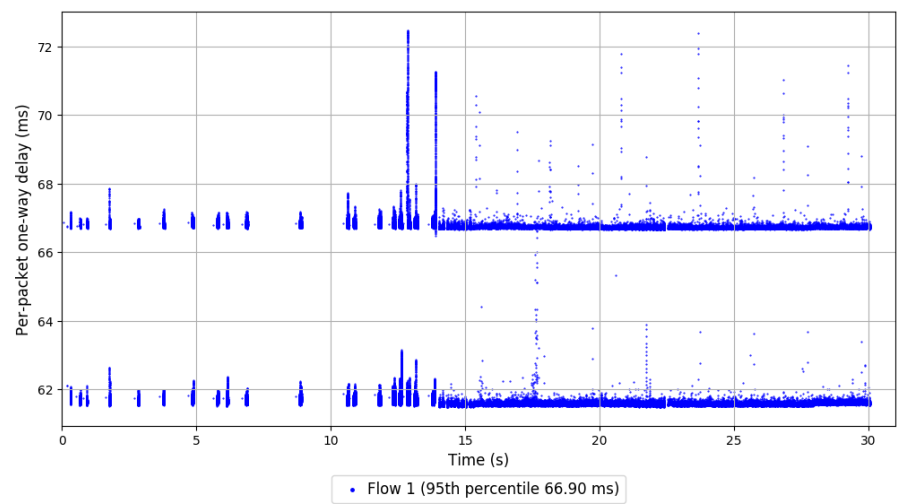
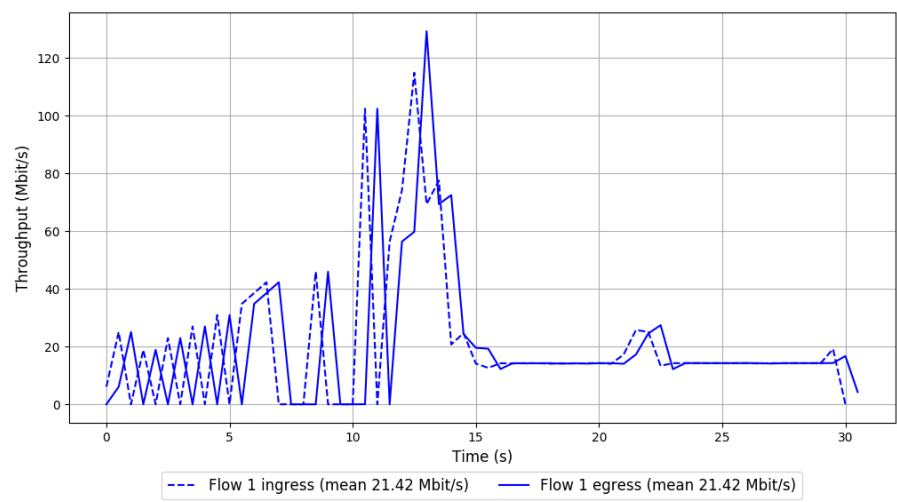
-- Flow 1:

Average throughput: 21.42 Mbit/s

95th percentile per-packet one-way delay: 66.900 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-25 00:28:33

End at: 2018-05-25 00:29:03

Local clock offset: 0.001 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-05-25 02:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.61 Mbit/s

95th percentile per-packet one-way delay: 66.581 ms

Loss rate: 0.00%

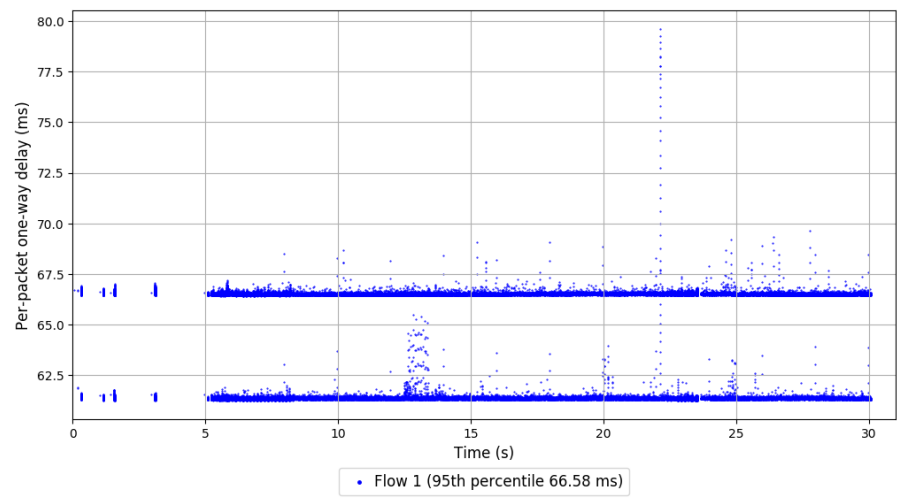
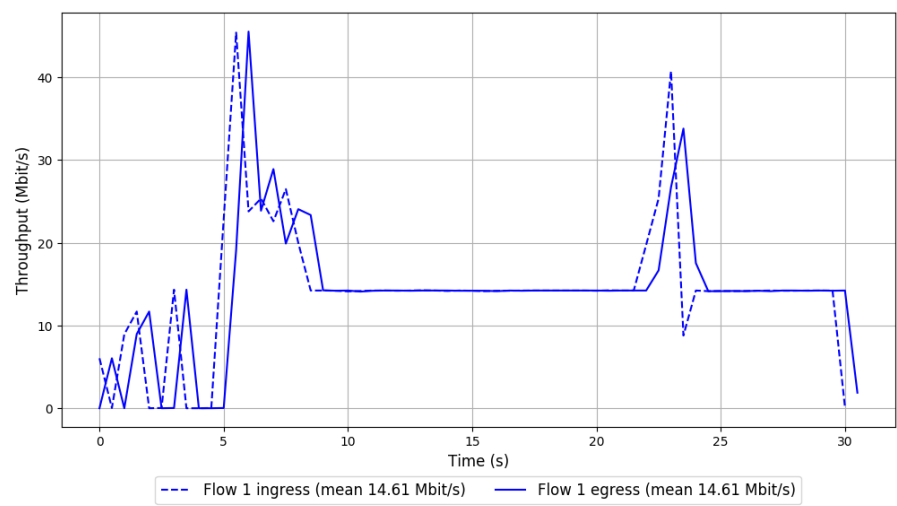
-- Flow 1:

Average throughput: 14.61 Mbit/s

95th percentile per-packet one-way delay: 66.581 ms

Loss rate: 0.00%

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

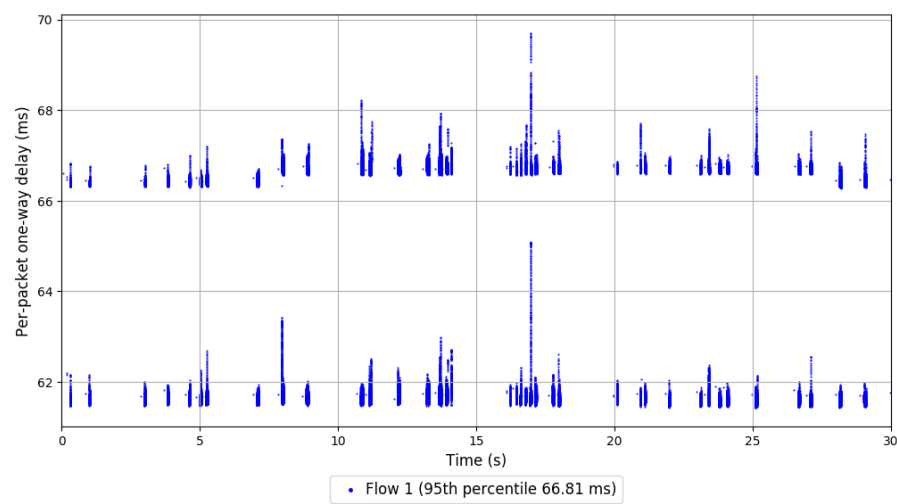
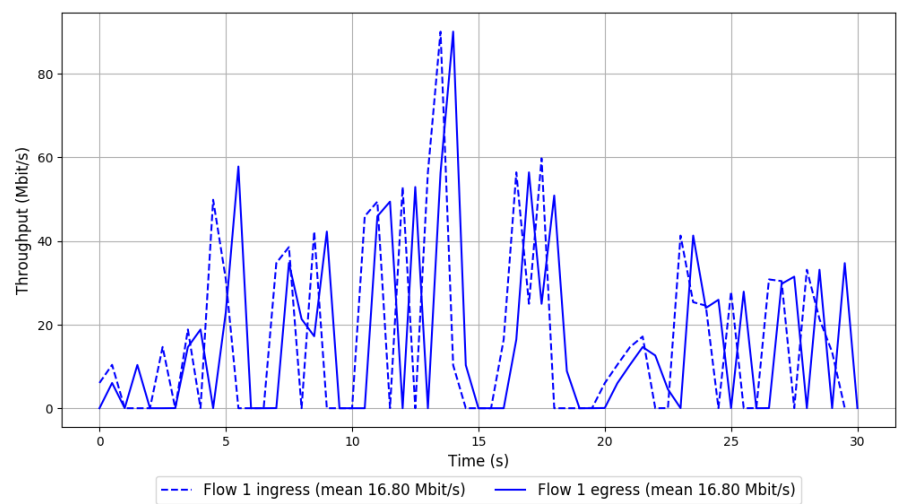


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-25 00:48:12
End at: 2018-05-25 00:48:42
Local clock offset: -0.036 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-25 02:36:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 66.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 66.814 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-25 01:08:27

End at: 2018-05-25 01:08:57

Local clock offset: -0.068 ms

Remote clock offset: 0.504 ms

Below is generated by plot.py at 2018-05-25 02:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.55 Mbit/s

95th percentile per-packet one-way delay: 67.310 ms

Loss rate: 0.00%

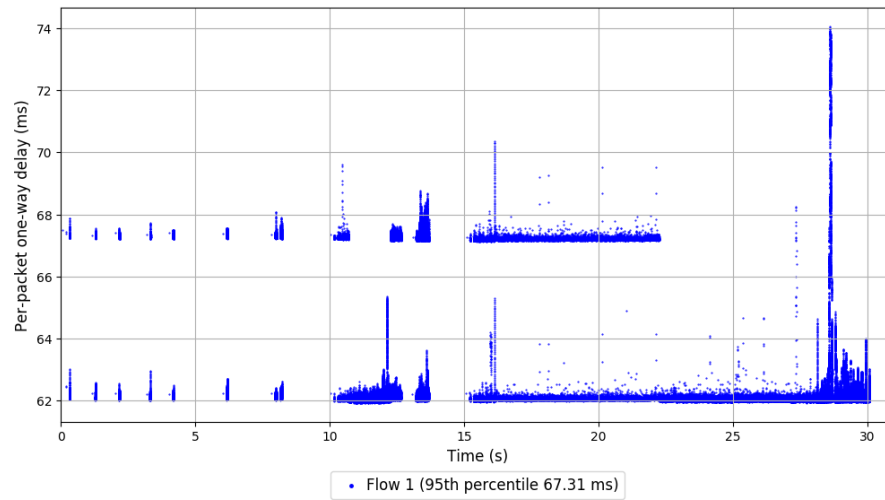
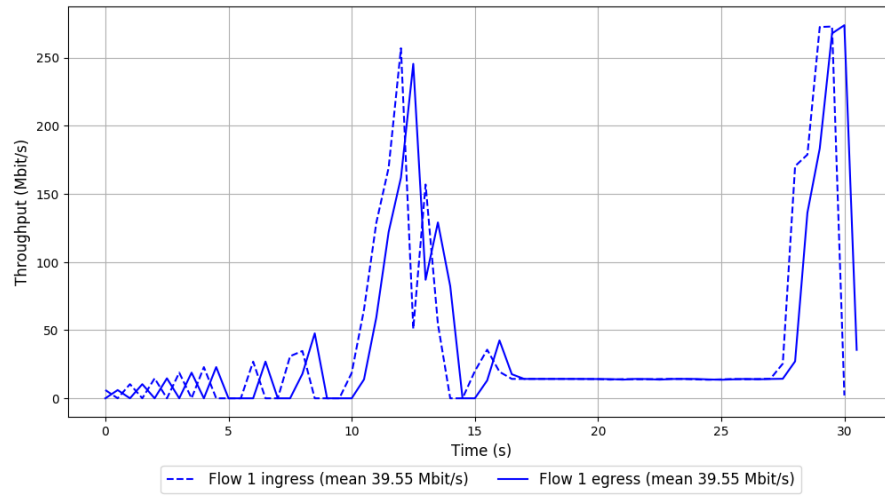
-- Flow 1:

Average throughput: 39.55 Mbit/s

95th percentile per-packet one-way delay: 67.310 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 22:08:51

End at: 2018-05-24 22:09:21

Local clock offset: -0.005 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-05-25 02:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.03 Mbit/s

95th percentile per-packet one-way delay: 63.002 ms

Loss rate: 0.00%

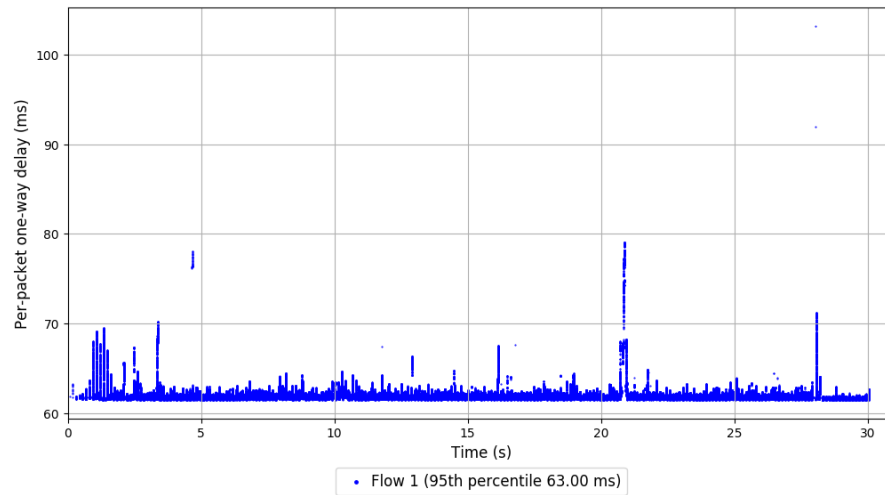
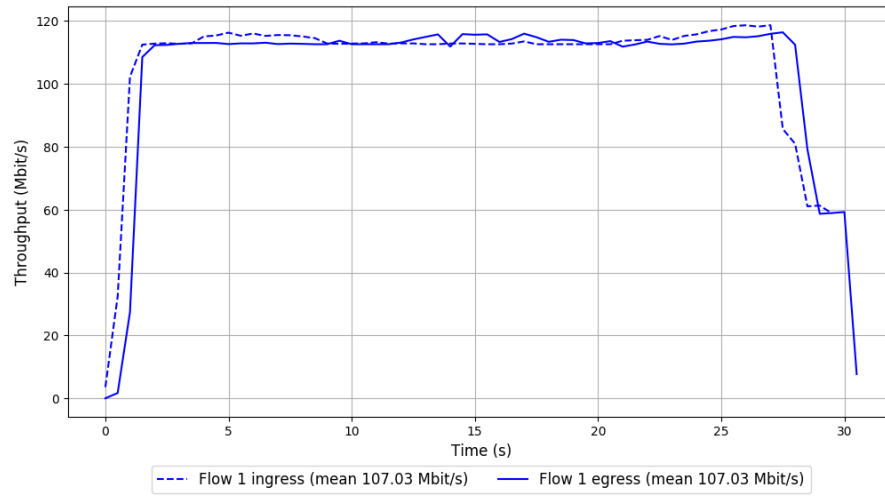
-- Flow 1:

Average throughput: 107.03 Mbit/s

95th percentile per-packet one-way delay: 63.002 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 22:28:54

End at: 2018-05-24 22:29:24

Local clock offset: -0.017 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-05-25 02:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 68.462 ms

Loss rate: 0.00%

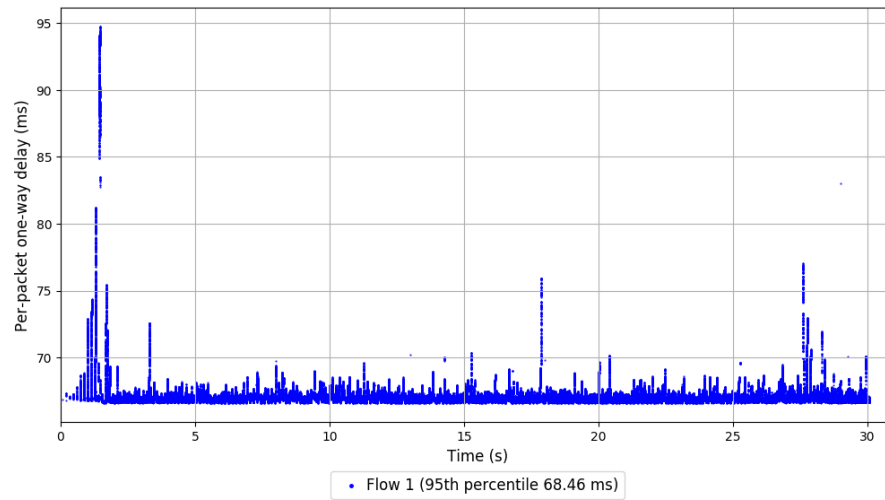
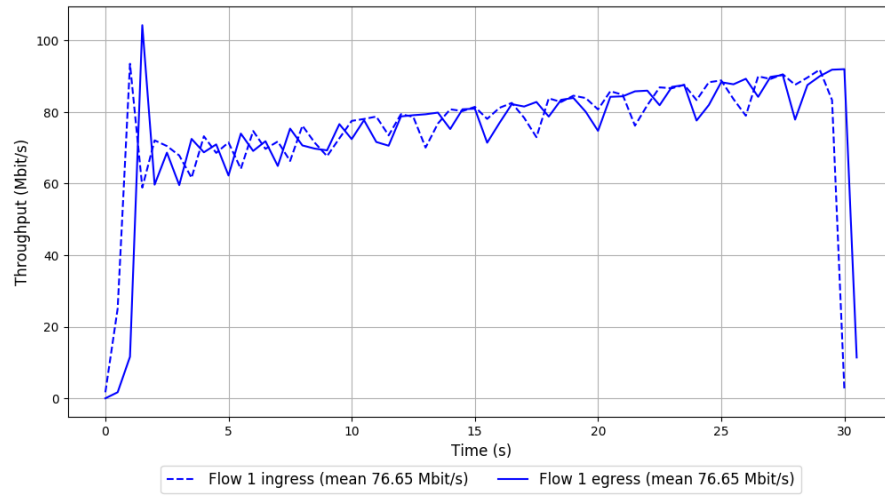
-- Flow 1:

Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 68.462 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

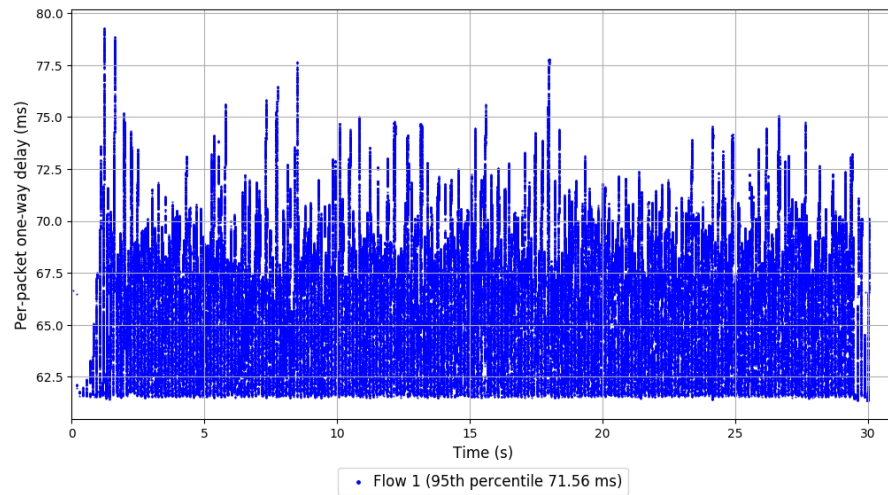
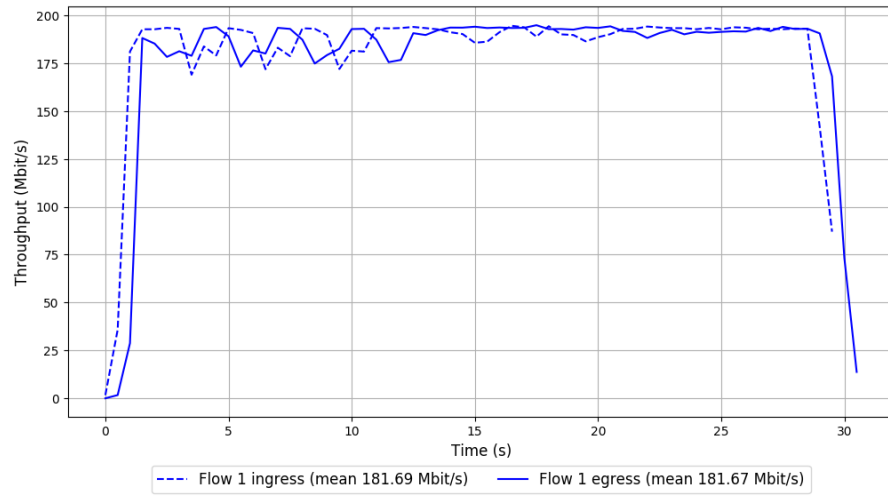


Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 22:49:02
End at: 2018-05-24 22:49:32
Local clock offset: 0.001 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-05-25 02:36:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.67 Mbit/s
95th percentile per-packet one-way delay: 71.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.67 Mbit/s
95th percentile per-packet one-way delay: 71.565 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

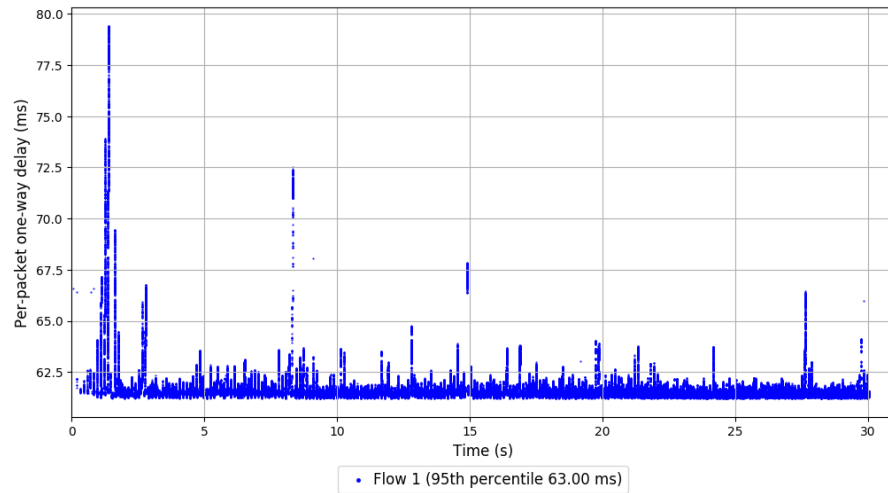
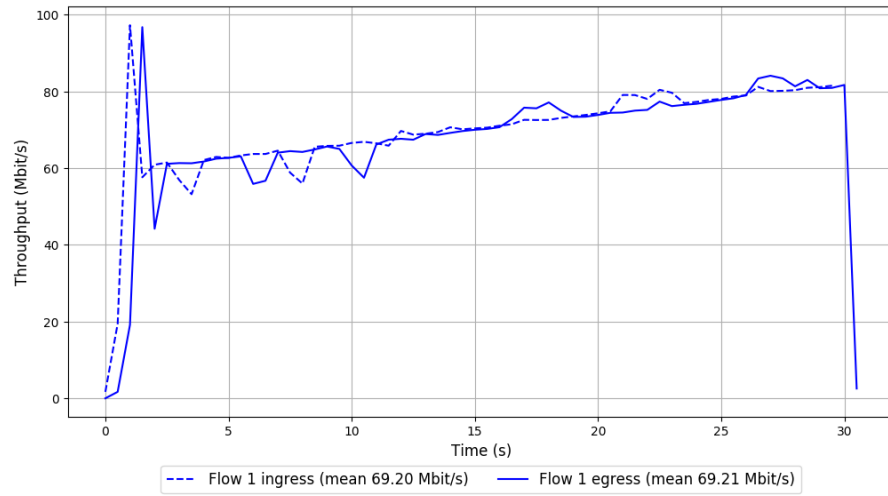


Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 23:09:21
End at: 2018-05-24 23:09:51
Local clock offset: -0.077 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-05-25 02:36:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.21 Mbit/s
95th percentile per-packet one-way delay: 63.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.21 Mbit/s
95th percentile per-packet one-way delay: 63.000 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 23:29:31

End at: 2018-05-24 23:30:01

Local clock offset: -0.102 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-05-25 02:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.21 Mbit/s

95th percentile per-packet one-way delay: 63.052 ms

Loss rate: 0.00%

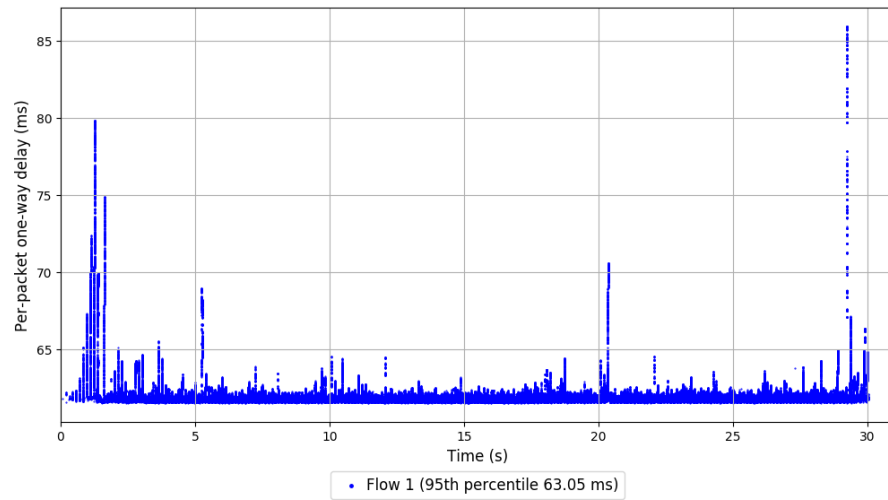
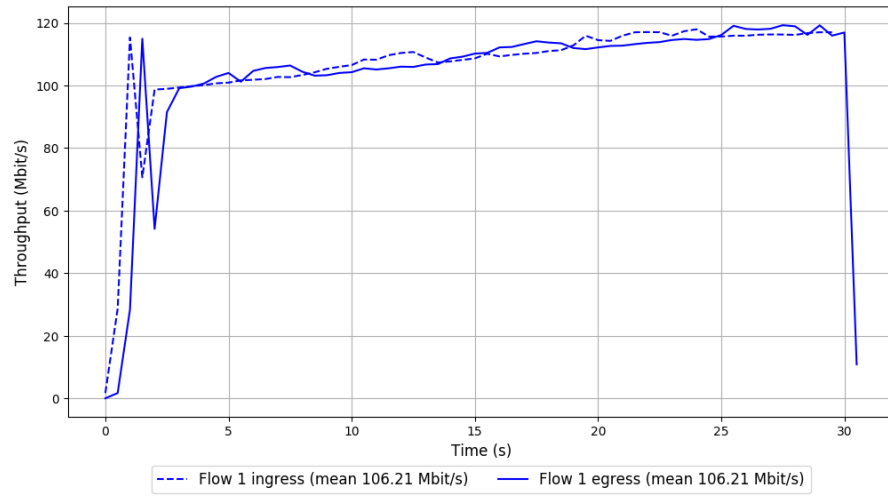
-- Flow 1:

Average throughput: 106.21 Mbit/s

95th percentile per-packet one-way delay: 63.052 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 23:49:40

End at: 2018-05-24 23:50:10

Local clock offset: 0.014 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-05-25 02:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.95 Mbit/s

95th percentile per-packet one-way delay: 71.866 ms

Loss rate: 0.00%

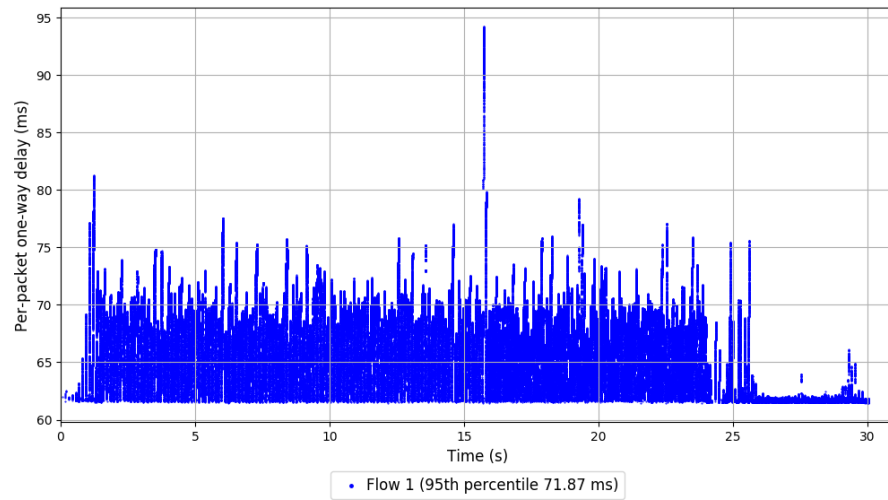
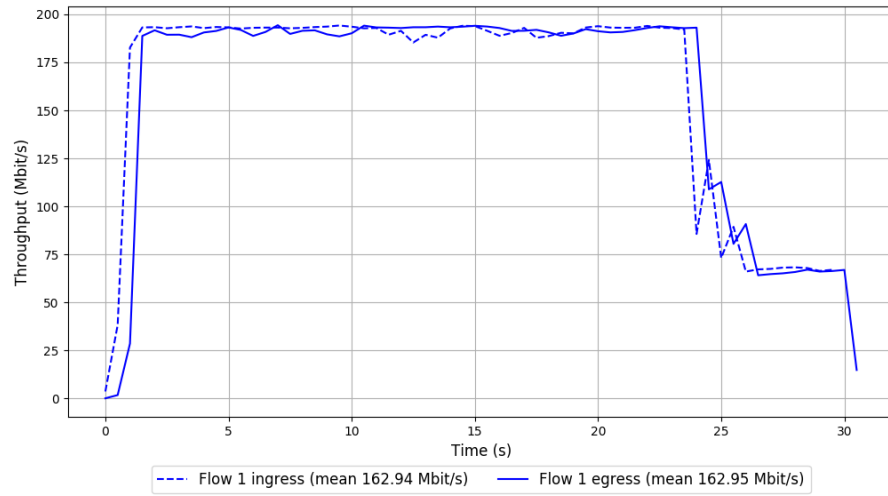
-- Flow 1:

Average throughput: 162.95 Mbit/s

95th percentile per-packet one-way delay: 71.866 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

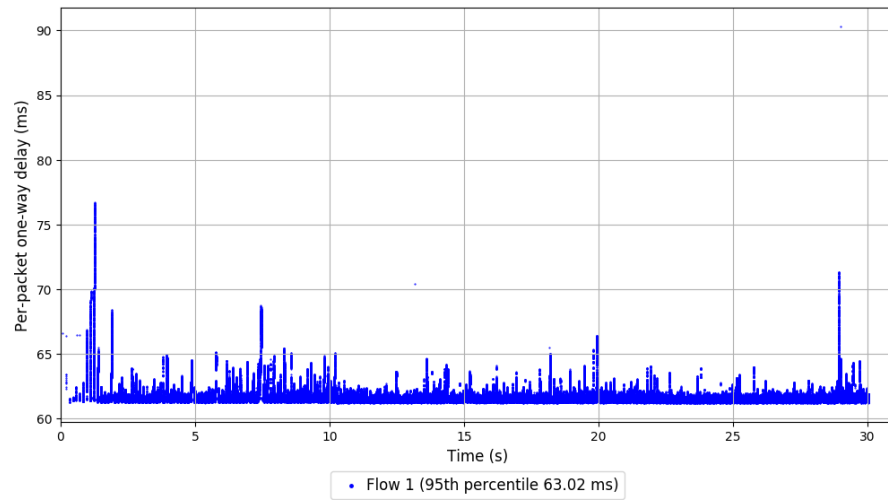
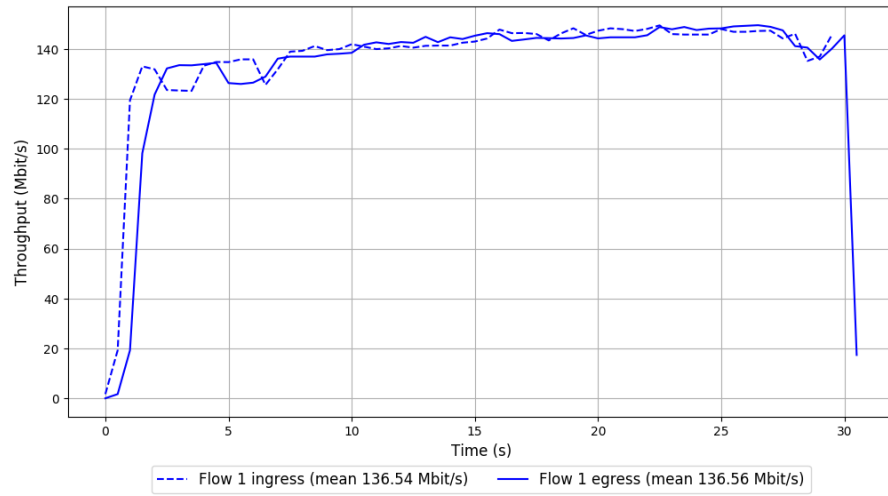


Run 7: Statistics of TCP Vegas

Start at: 2018-05-25 00:09:49
End at: 2018-05-25 00:10:19
Local clock offset: -0.022 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-05-25 02:36:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.56 Mbit/s
95th percentile per-packet one-way delay: 63.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.56 Mbit/s
95th percentile per-packet one-way delay: 63.025 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-25 00:29:41

End at: 2018-05-25 00:30:11

Local clock offset: -0.076 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-05-25 02:36:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.88 Mbit/s

95th percentile per-packet one-way delay: 72.552 ms

Loss rate: 0.00%

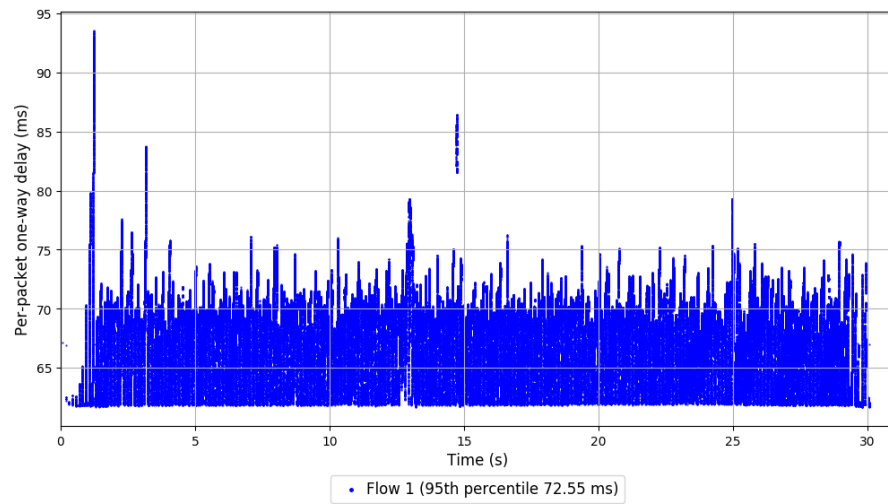
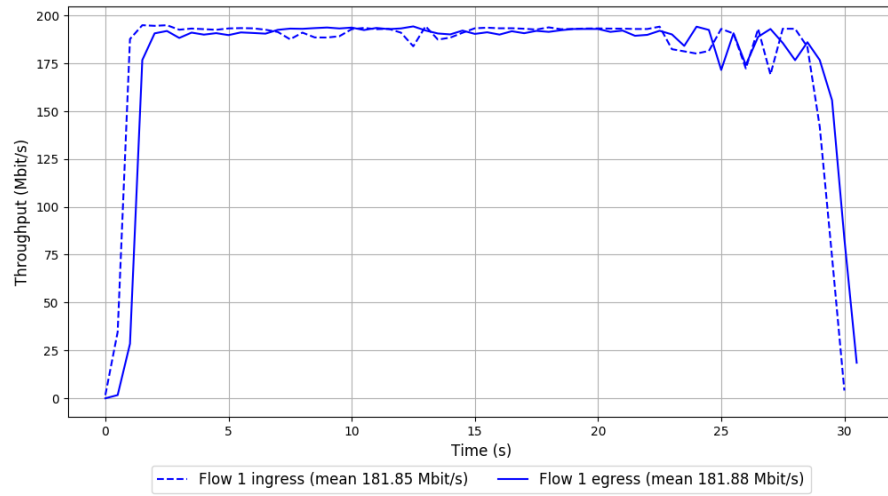
-- Flow 1:

Average throughput: 181.88 Mbit/s

95th percentile per-packet one-way delay: 72.552 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-25 00:49:20

End at: 2018-05-25 00:49:50

Local clock offset: -0.029 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-05-25 02:36:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.67 Mbit/s

95th percentile per-packet one-way delay: 63.084 ms

Loss rate: 0.00%

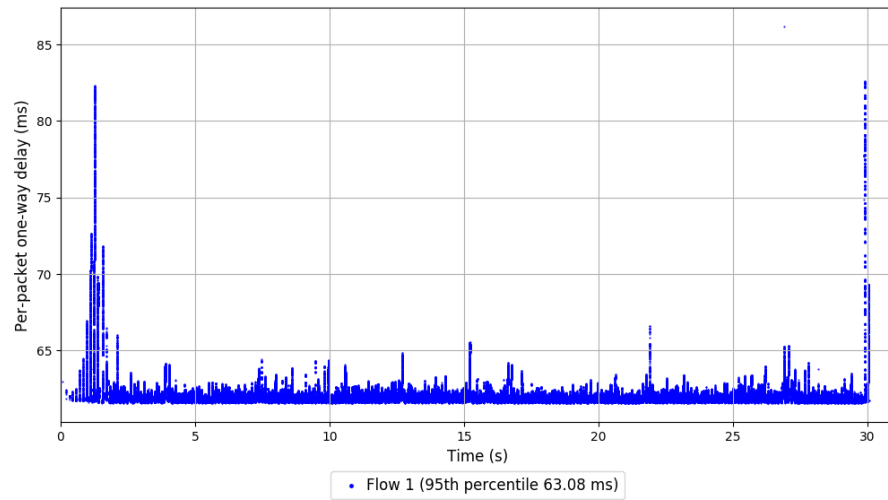
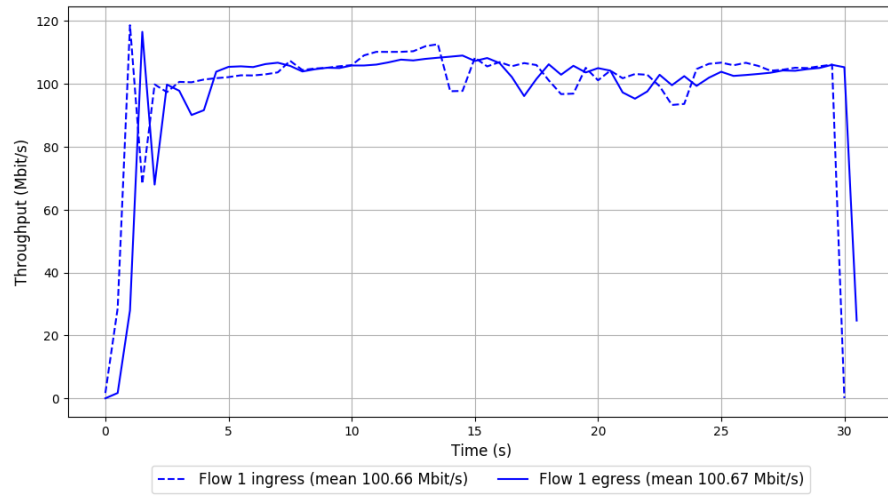
-- Flow 1:

Average throughput: 100.67 Mbit/s

95th percentile per-packet one-way delay: 63.084 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

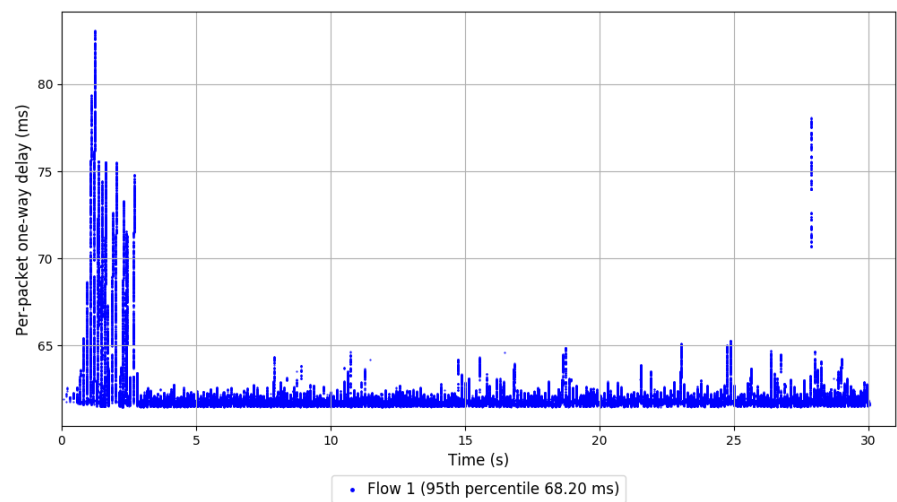
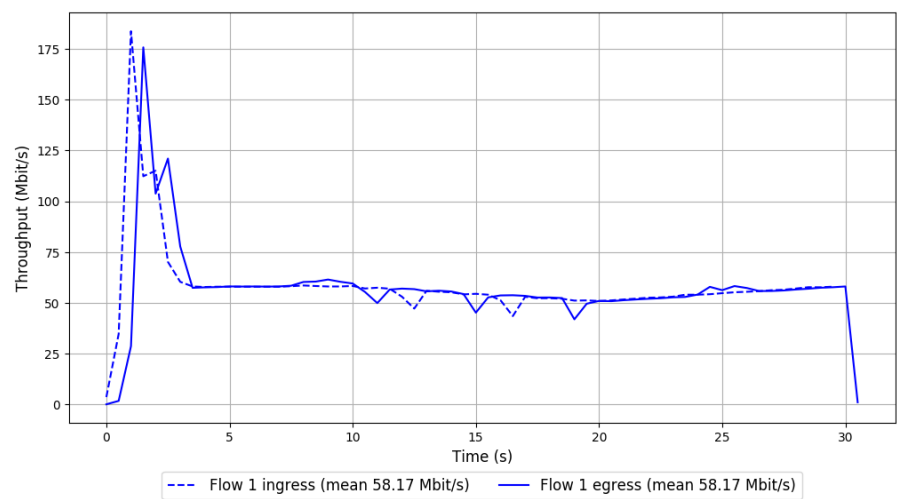


Run 10: Statistics of TCP Vegas

Start at: 2018-05-25 01:09:36
End at: 2018-05-25 01:10:06
Local clock offset: -0.105 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-25 02:36:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 68.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 68.203 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-24 22:02:42

End at: 2018-05-24 22:03:12

Local clock offset: -0.018 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-05-25 02:39:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.50 Mbit/s

95th percentile per-packet one-way delay: 89.788 ms

Loss rate: 0.08%

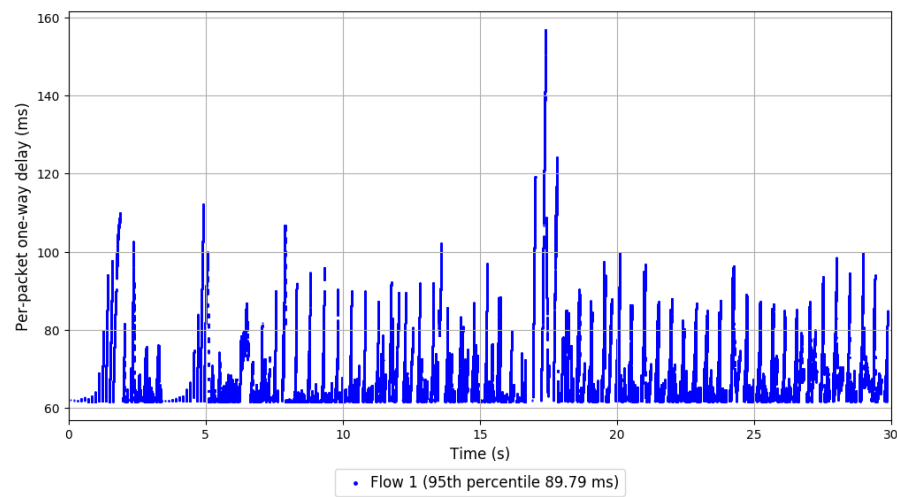
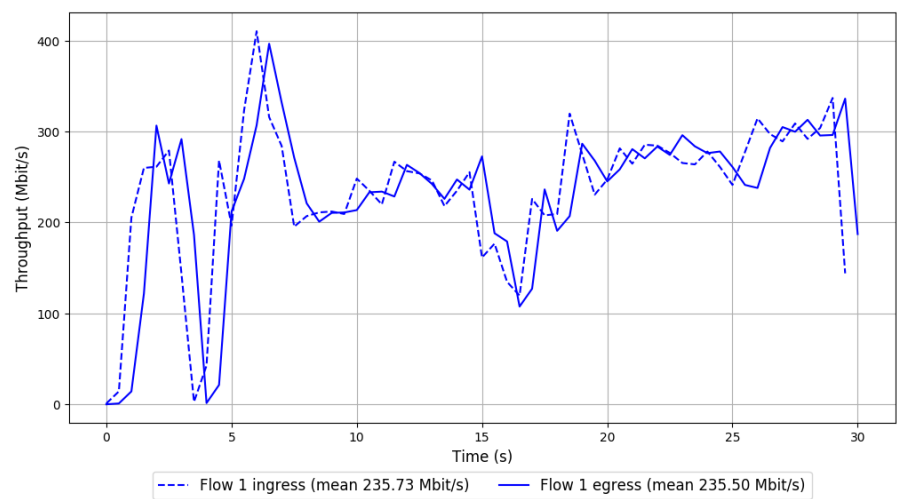
-- Flow 1:

Average throughput: 235.50 Mbit/s

95th percentile per-packet one-way delay: 89.788 ms

Loss rate: 0.08%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-24 22:22:57

End at: 2018-05-24 22:23:27

Local clock offset: 0.059 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-05-25 02:39:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.47 Mbit/s

95th percentile per-packet one-way delay: 134.915 ms

Loss rate: 0.55%

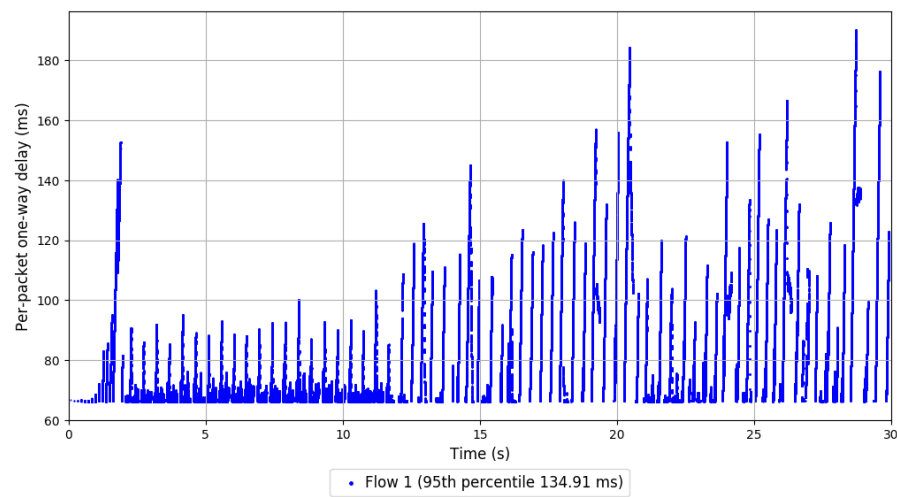
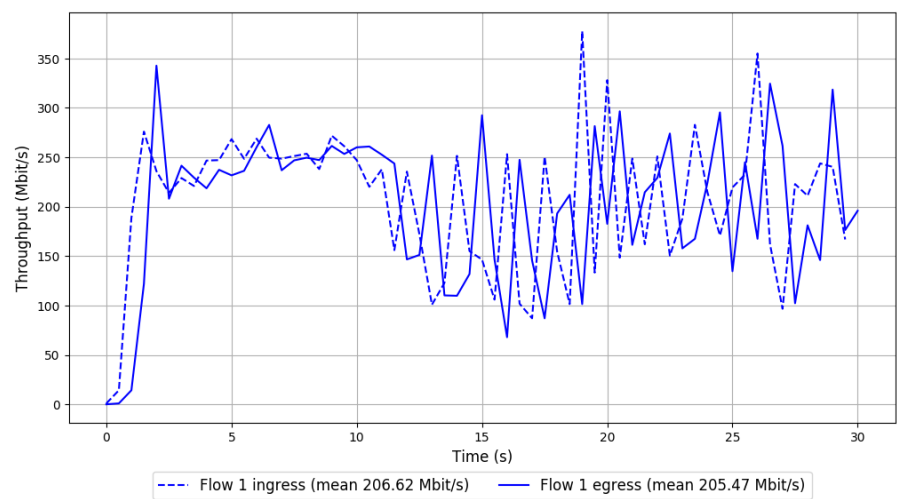
-- Flow 1:

Average throughput: 205.47 Mbit/s

95th percentile per-packet one-way delay: 134.915 ms

Loss rate: 0.55%

Run 2: Report of Verus — Data Link

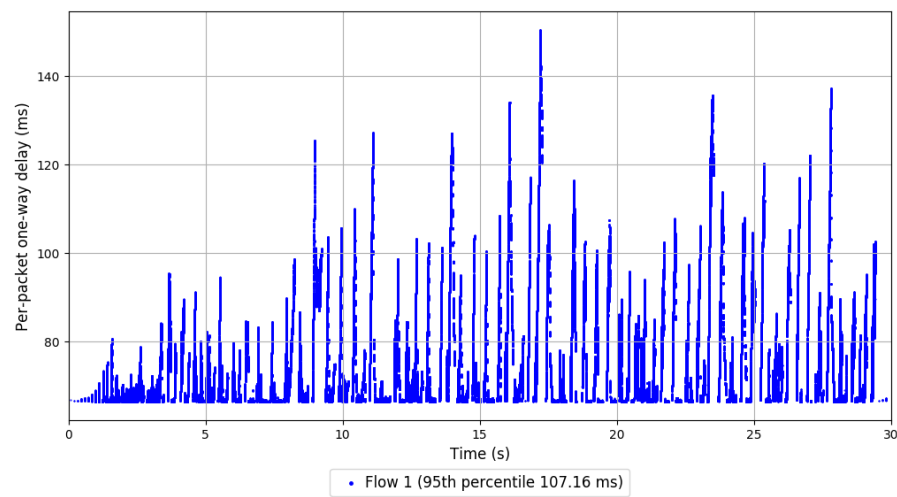
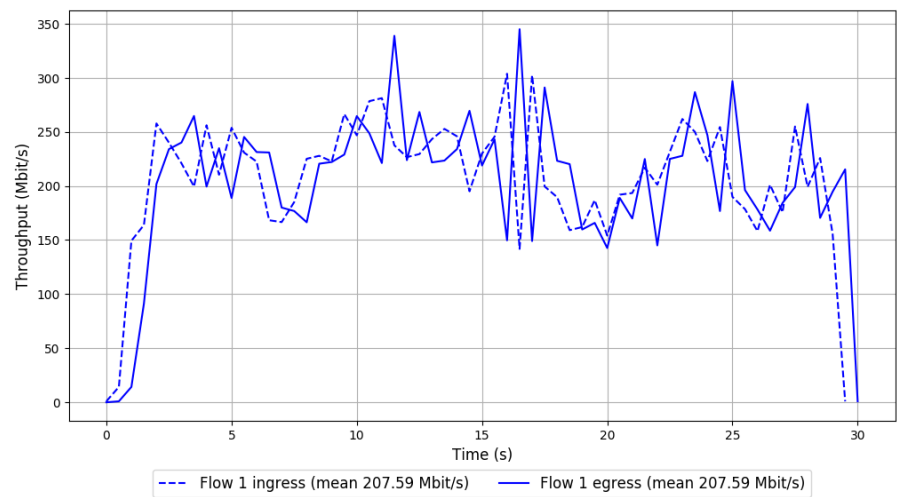


Run 3: Statistics of Verus

Start at: 2018-05-24 22:42:58
End at: 2018-05-24 22:43:28
Local clock offset: 0.011 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-05-25 02:39:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.59 Mbit/s
95th percentile per-packet one-way delay: 107.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.59 Mbit/s
95th percentile per-packet one-way delay: 107.162 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-24 23:03:08

End at: 2018-05-24 23:03:38

Local clock offset: -0.078 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-25 02:40:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.66 Mbit/s

95th percentile per-packet one-way delay: 106.683 ms

Loss rate: 0.06%

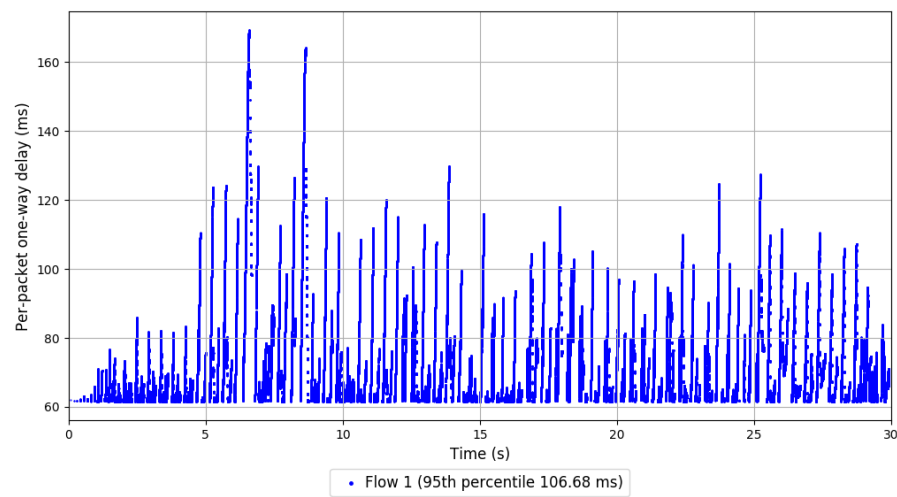
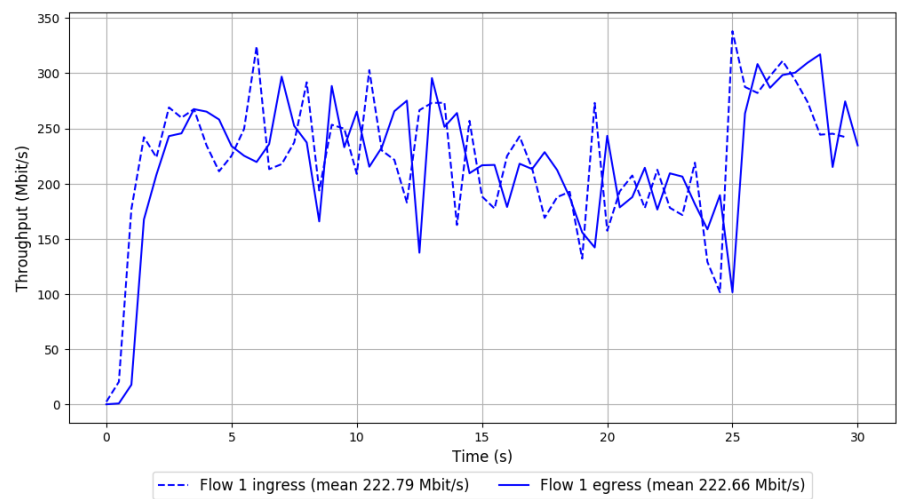
-- Flow 1:

Average throughput: 222.66 Mbit/s

95th percentile per-packet one-way delay: 106.683 ms

Loss rate: 0.06%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-24 23:23:26

End at: 2018-05-24 23:23:56

Local clock offset: -0.1 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-05-25 02:40:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.82 Mbit/s

95th percentile per-packet one-way delay: 126.750 ms

Loss rate: 0.00%

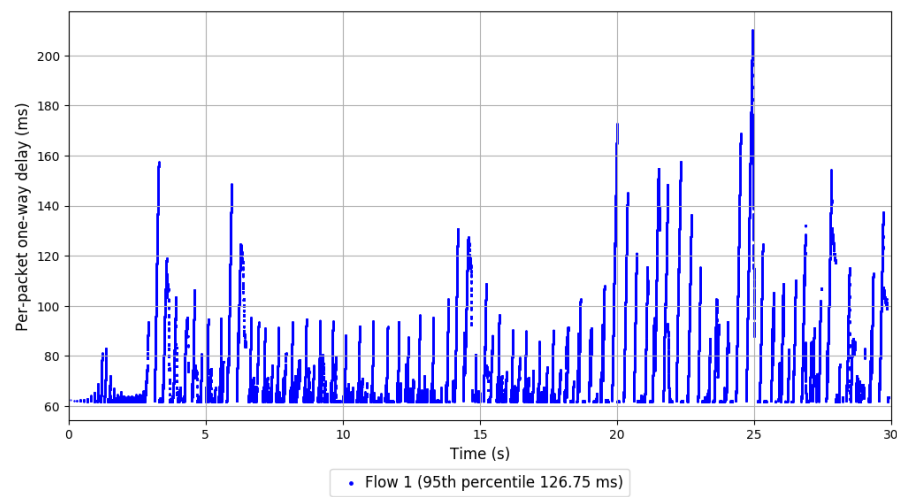
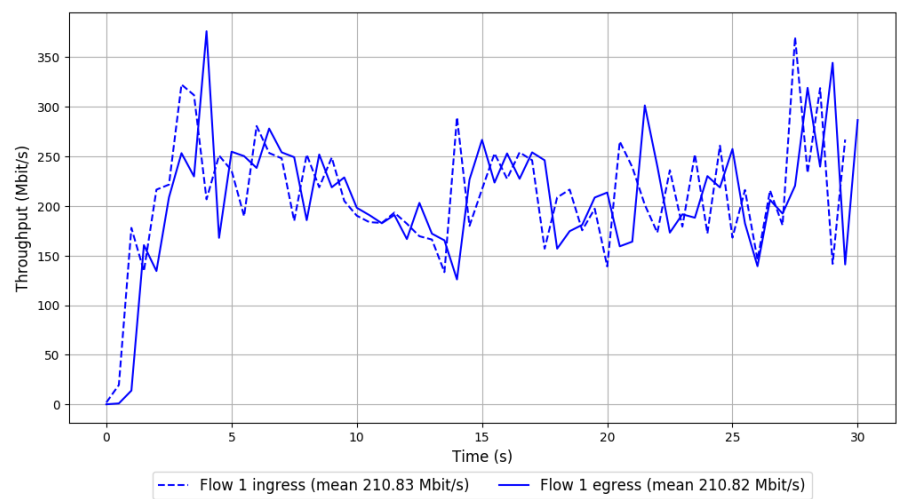
-- Flow 1:

Average throughput: 210.82 Mbit/s

95th percentile per-packet one-way delay: 126.750 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-24 23:43:38

End at: 2018-05-24 23:44:08

Local clock offset: 0.03 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-05-25 02:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.52 Mbit/s

95th percentile per-packet one-way delay: 131.579 ms

Loss rate: 0.00%

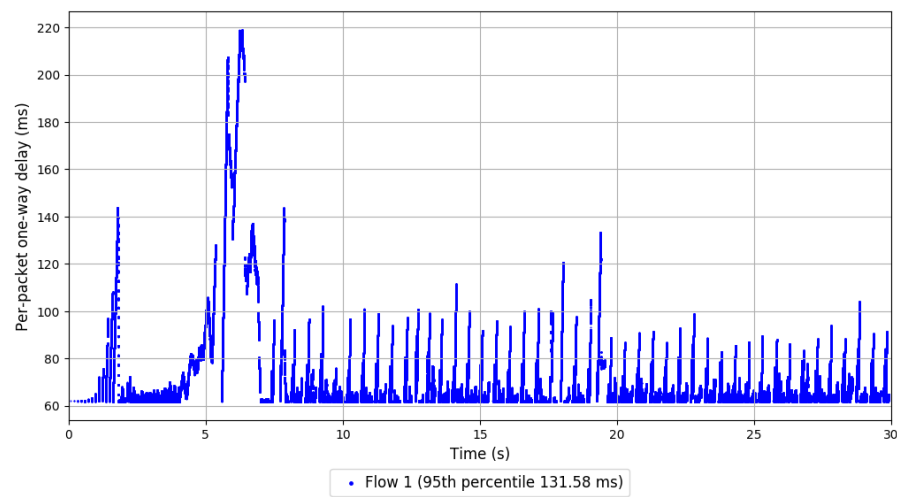
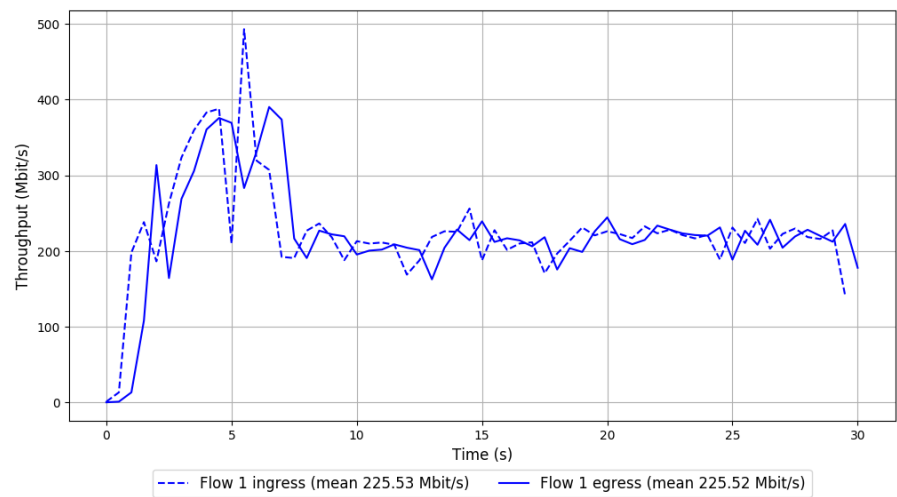
-- Flow 1:

Average throughput: 225.52 Mbit/s

95th percentile per-packet one-way delay: 131.579 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

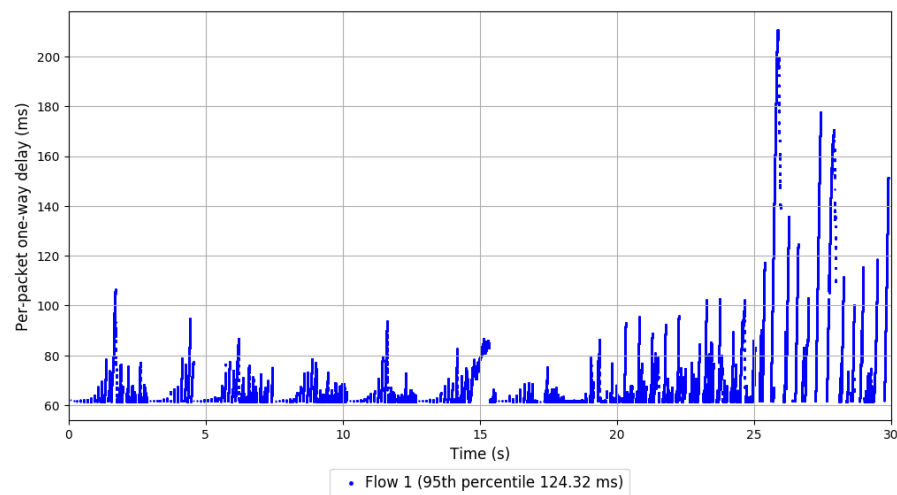
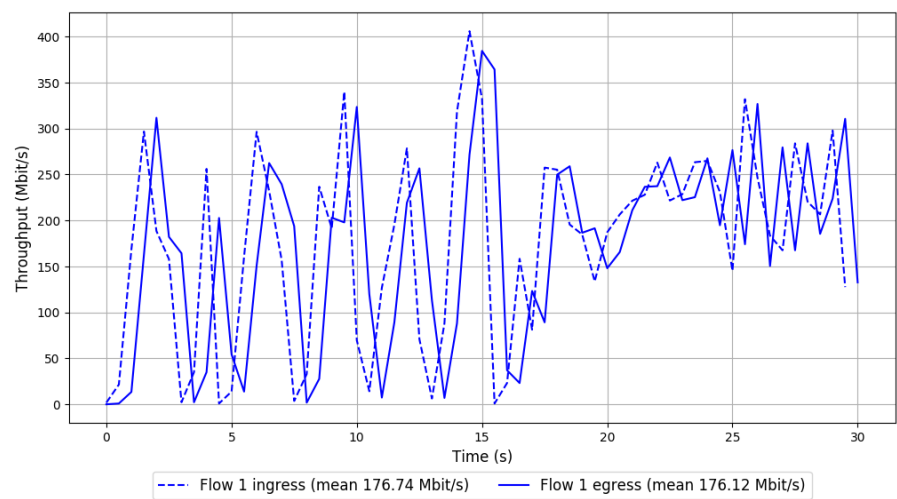


Run 7: Statistics of Verus

Start at: 2018-05-25 00:03:55
End at: 2018-05-25 00:04:25
Local clock offset: 0.074 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-25 02:40:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.12 Mbit/s
95th percentile per-packet one-way delay: 124.324 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 176.12 Mbit/s
95th percentile per-packet one-way delay: 124.324 ms
Loss rate: 0.05%

Run 7: Report of Verus — Data Link

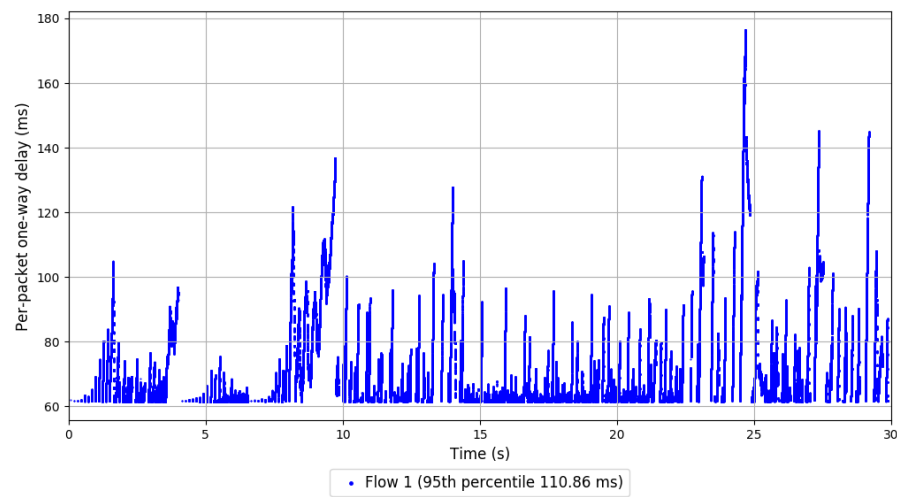
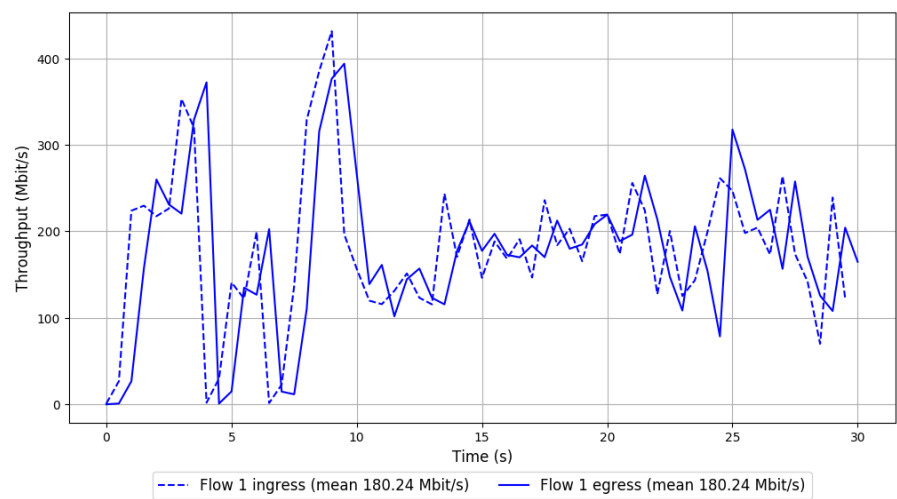


Run 8: Statistics of Verus

Start at: 2018-05-25 00:23:50
End at: 2018-05-25 00:24:20
Local clock offset: -0.042 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-25 02:40:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.24 Mbit/s
95th percentile per-packet one-way delay: 110.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.24 Mbit/s
95th percentile per-packet one-way delay: 110.859 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

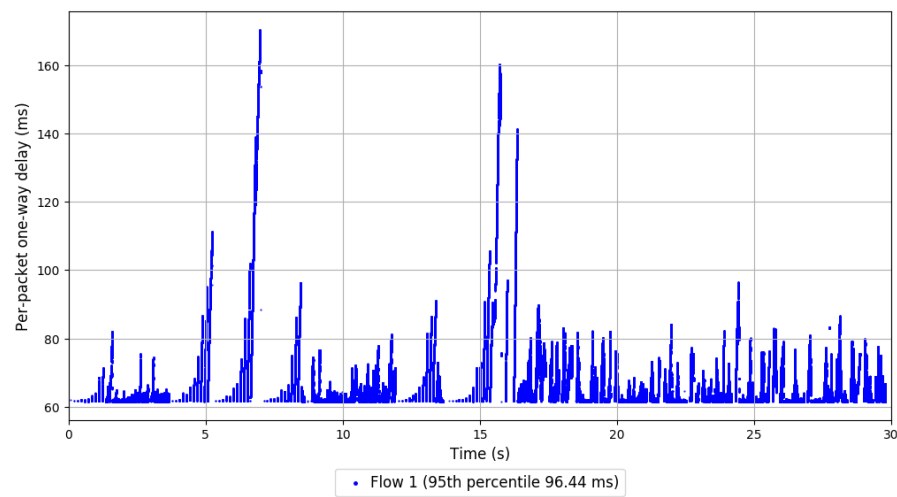
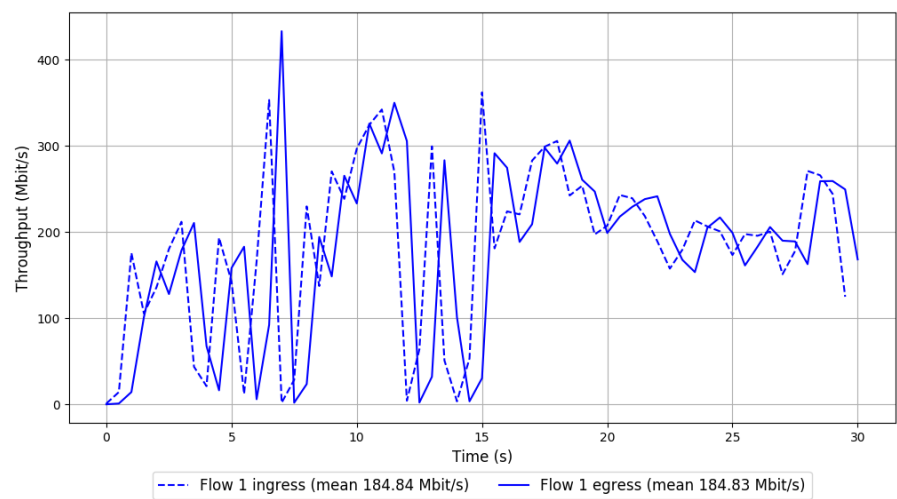


Run 9: Statistics of Verus

Start at: 2018-05-25 00:43:27
End at: 2018-05-25 00:43:57
Local clock offset: -0.06 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-25 02:42:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.83 Mbit/s
95th percentile per-packet one-way delay: 96.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.83 Mbit/s
95th percentile per-packet one-way delay: 96.441 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-25 01:03:38

End at: 2018-05-25 01:04:08

Local clock offset: -0.044 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2018-05-25 02:43:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.02 Mbit/s

95th percentile per-packet one-way delay: 98.500 ms

Loss rate: 0.01%

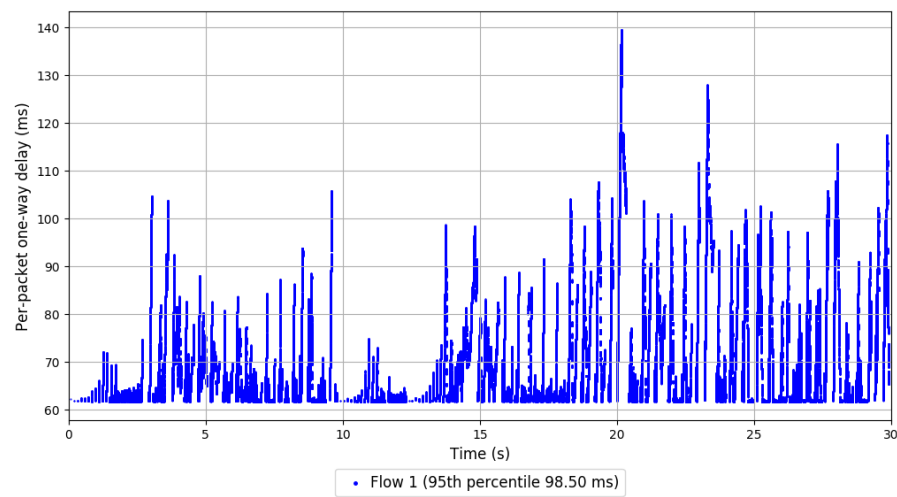
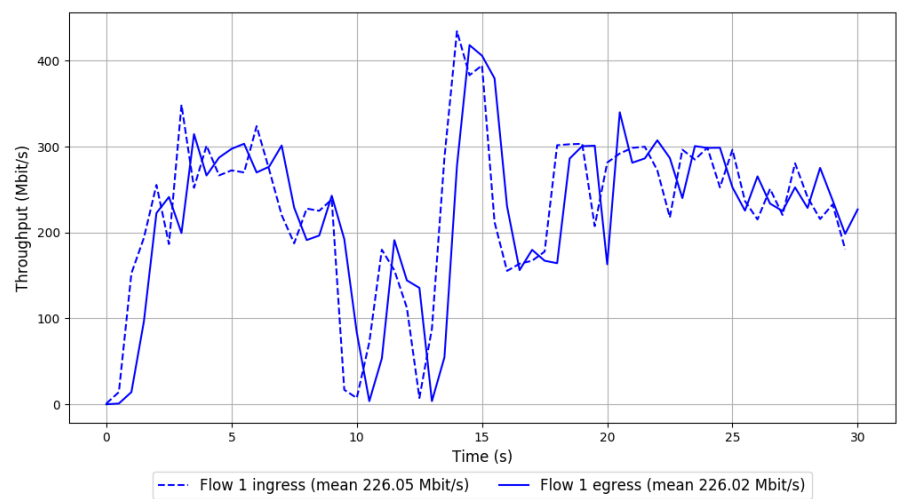
-- Flow 1:

Average throughput: 226.02 Mbit/s

95th percentile per-packet one-way delay: 98.500 ms

Loss rate: 0.01%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 22:16:21

End at: 2018-05-24 22:16:51

Local clock offset: 0.014 ms

Remote clock offset: 0.42 ms

Below is generated by plot.py at 2018-05-25 02:46:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.15 Mbit/s

95th percentile per-packet one-way delay: 69.467 ms

Loss rate: 0.18%

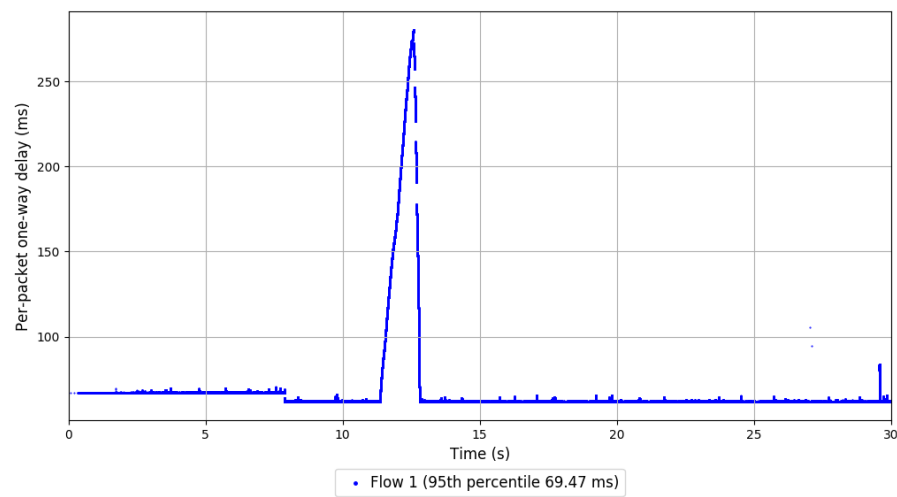
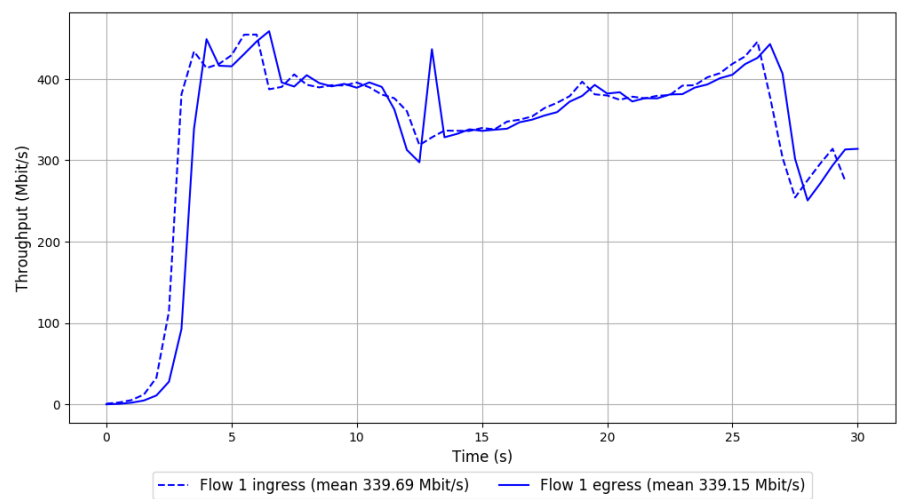
-- Flow 1:

Average throughput: 339.15 Mbit/s

95th percentile per-packet one-way delay: 69.467 ms

Loss rate: 0.18%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 22:36:24

End at: 2018-05-24 22:36:55

Local clock offset: -0.066 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-05-25 02:47:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.22 Mbit/s

95th percentile per-packet one-way delay: 82.770 ms

Loss rate: 0.42%

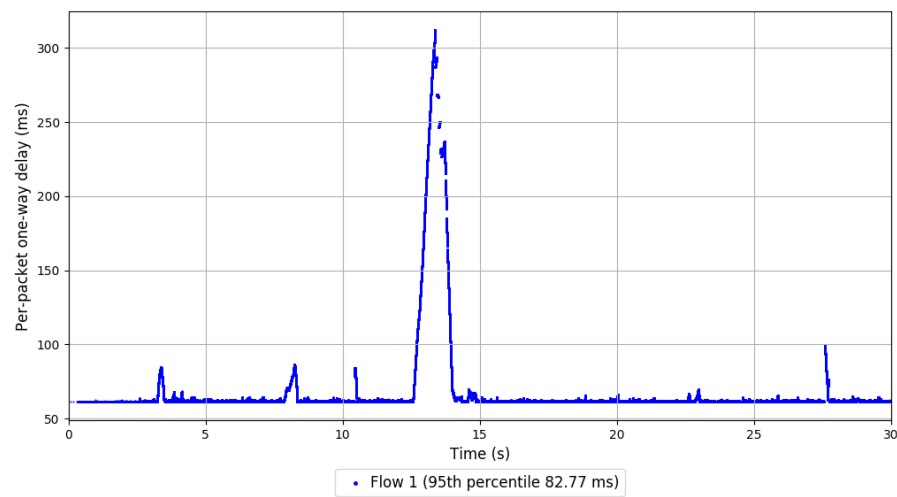
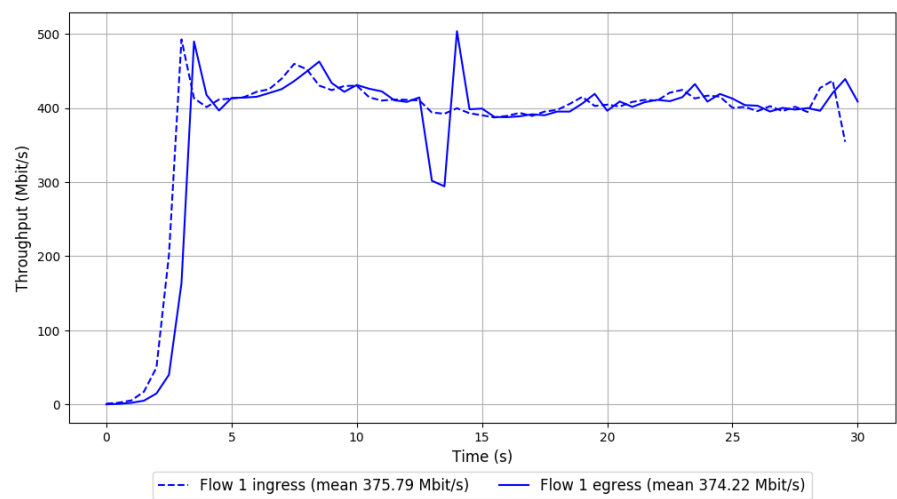
-- Flow 1:

Average throughput: 374.22 Mbit/s

95th percentile per-packet one-way delay: 82.770 ms

Loss rate: 0.42%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 22:56:32

End at: 2018-05-24 22:57:02

Local clock offset: -0.044 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-05-25 02:47:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 358.17 Mbit/s

95th percentile per-packet one-way delay: 67.078 ms

Loss rate: 0.01%

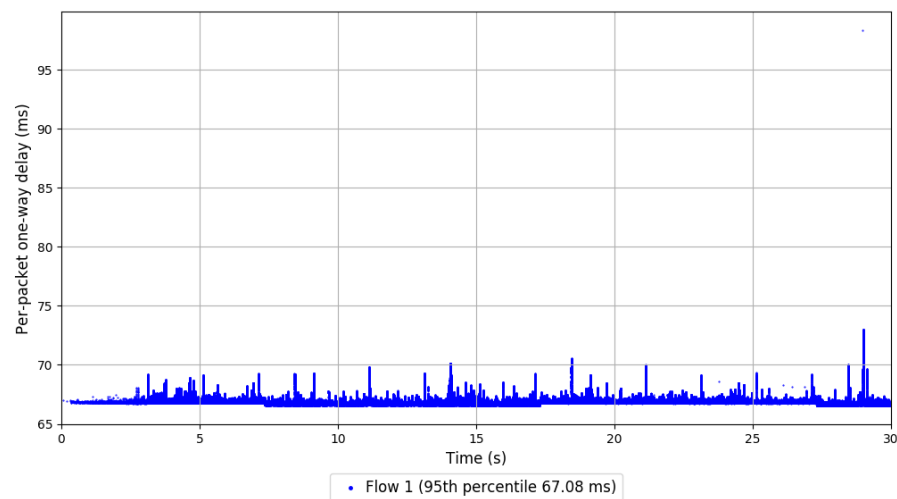
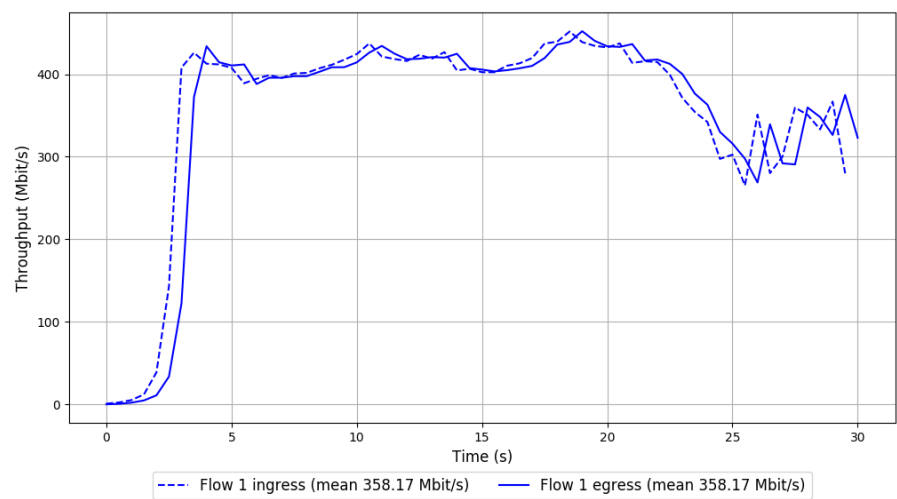
-- Flow 1:

Average throughput: 358.17 Mbit/s

95th percentile per-packet one-way delay: 67.078 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 23:16:52

End at: 2018-05-24 23:17:22

Local clock offset: -0.1 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-05-25 02:48:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.10 Mbit/s

95th percentile per-packet one-way delay: 61.883 ms

Loss rate: 0.00%

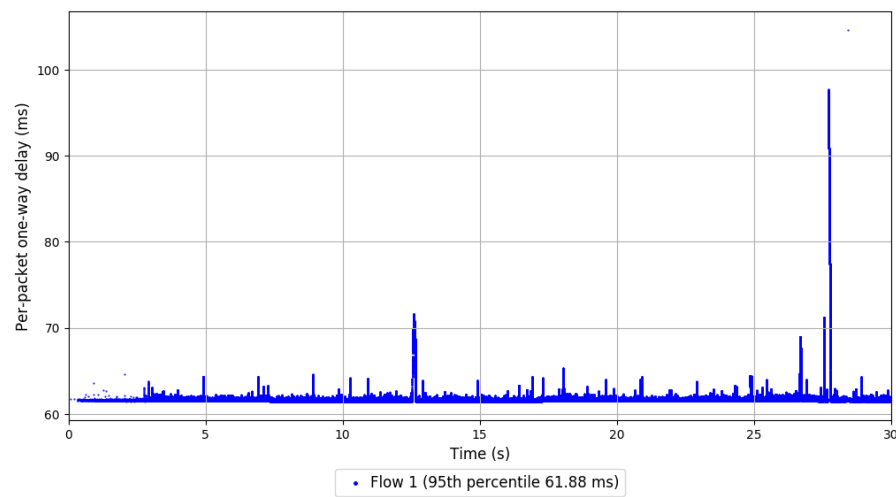
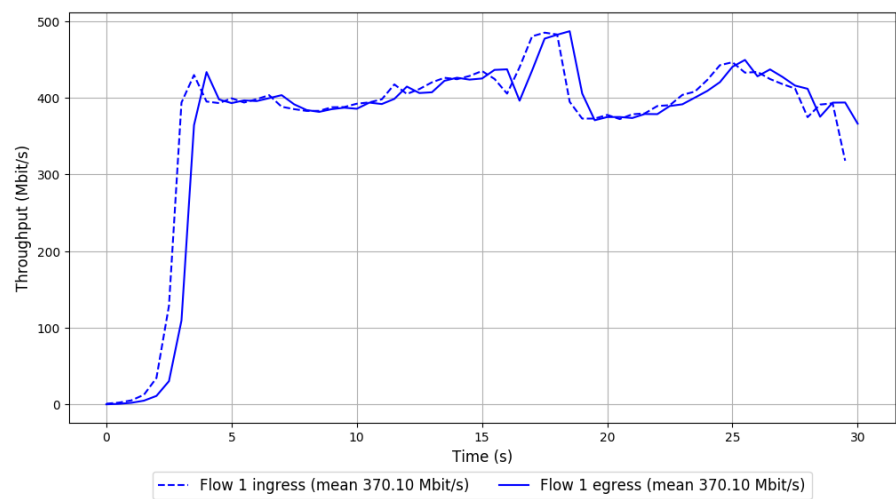
-- Flow 1:

Average throughput: 370.10 Mbit/s

95th percentile per-packet one-way delay: 61.883 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

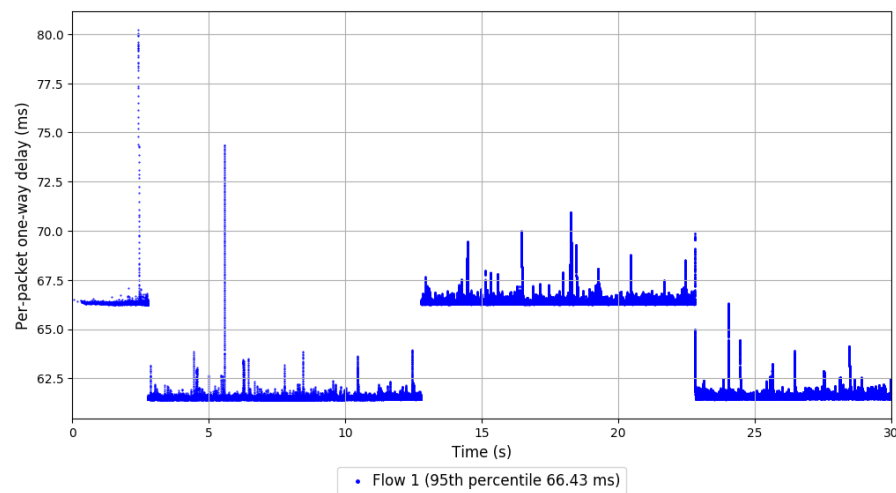
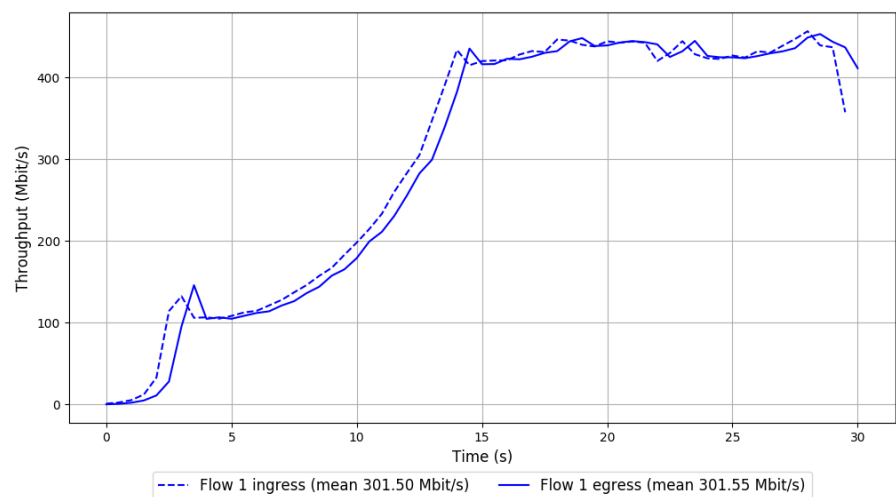


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 23:37:07
End at: 2018-05-24 23:37:37
Local clock offset: -0.005 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-05-25 02:48:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.55 Mbit/s
95th percentile per-packet one-way delay: 66.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 301.55 Mbit/s
95th percentile per-packet one-way delay: 66.430 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 23:57:14

End at: 2018-05-24 23:57:44

Local clock offset: 0.054 ms

Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-05-25 02:48:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.46 Mbit/s

95th percentile per-packet one-way delay: 61.640 ms

Loss rate: 0.00%

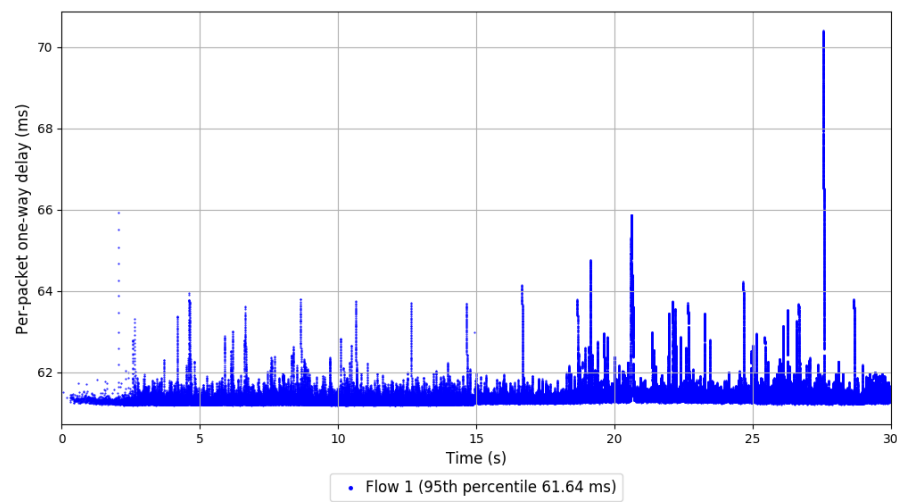
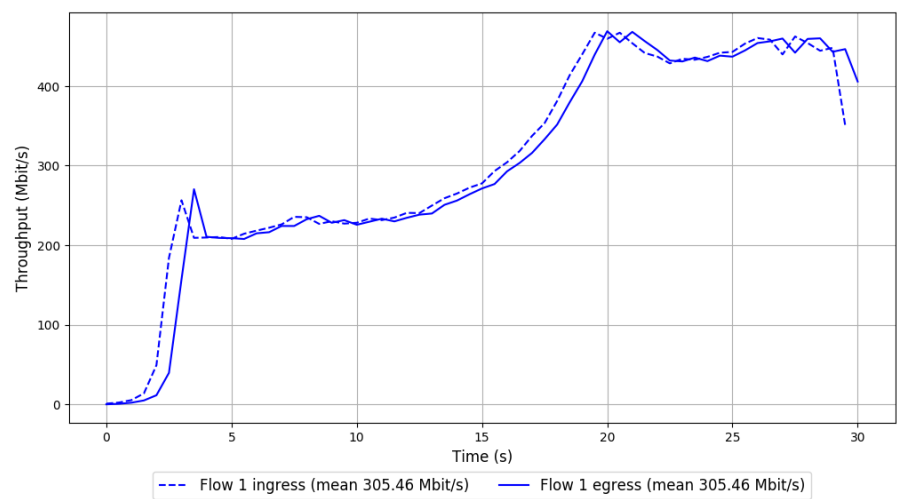
-- Flow 1:

Average throughput: 305.46 Mbit/s

95th percentile per-packet one-way delay: 61.640 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-25 00:17:20

End at: 2018-05-25 00:17:50

Local clock offset: -0.094 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2018-05-25 02:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.80 Mbit/s

95th percentile per-packet one-way delay: 66.971 ms

Loss rate: 0.00%

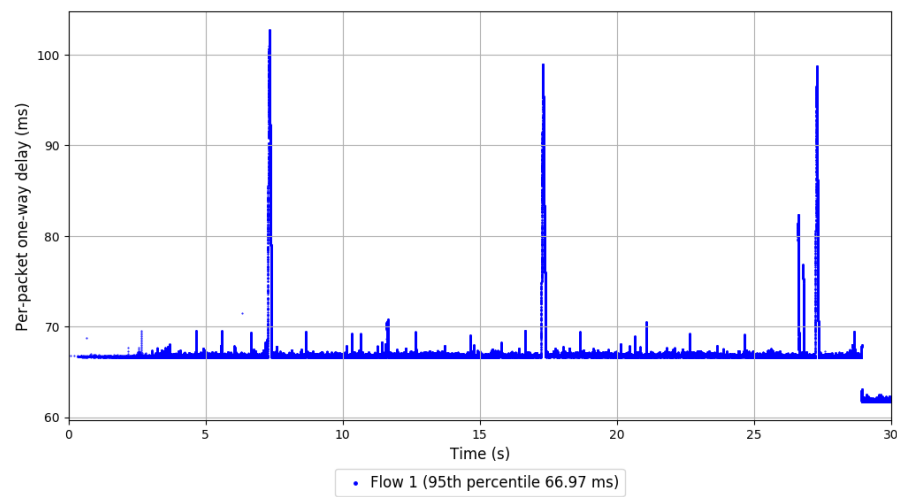
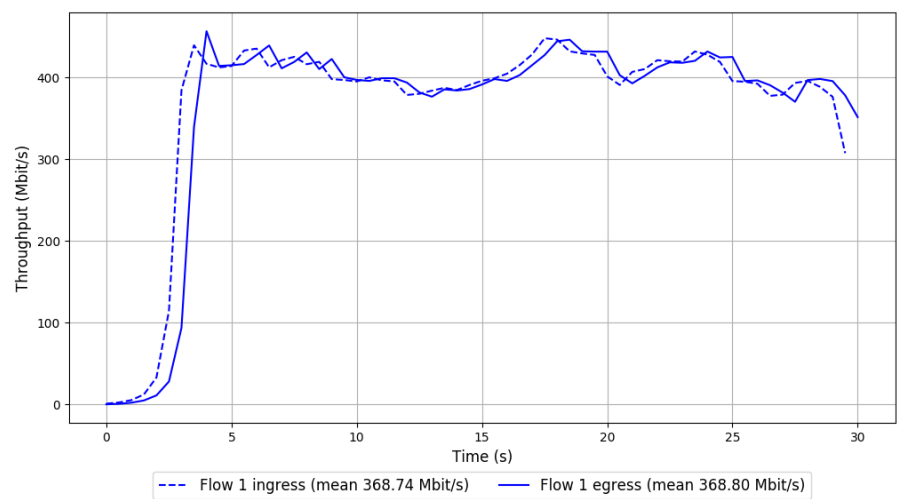
-- Flow 1:

Average throughput: 368.80 Mbit/s

95th percentile per-packet one-way delay: 66.971 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-25 00:37:04

End at: 2018-05-25 00:37:34

Local clock offset: -0.062 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-25 02:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.52 Mbit/s

95th percentile per-packet one-way delay: 62.074 ms

Loss rate: 0.00%

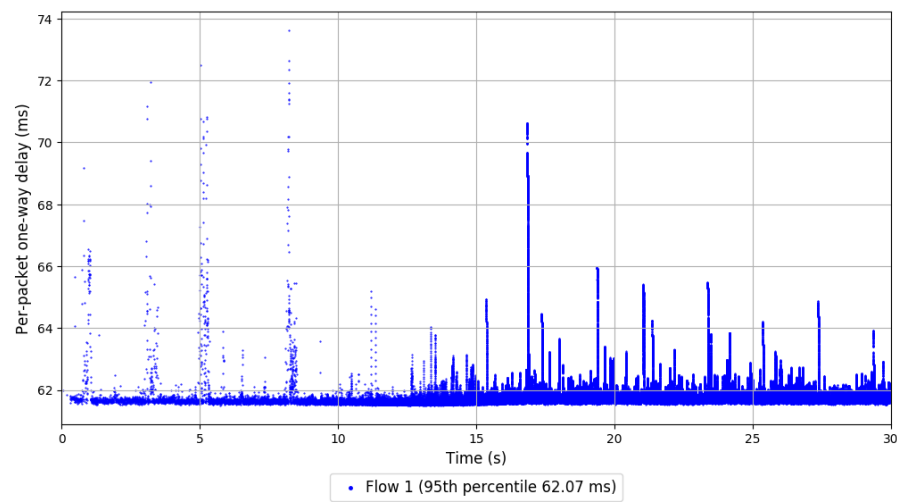
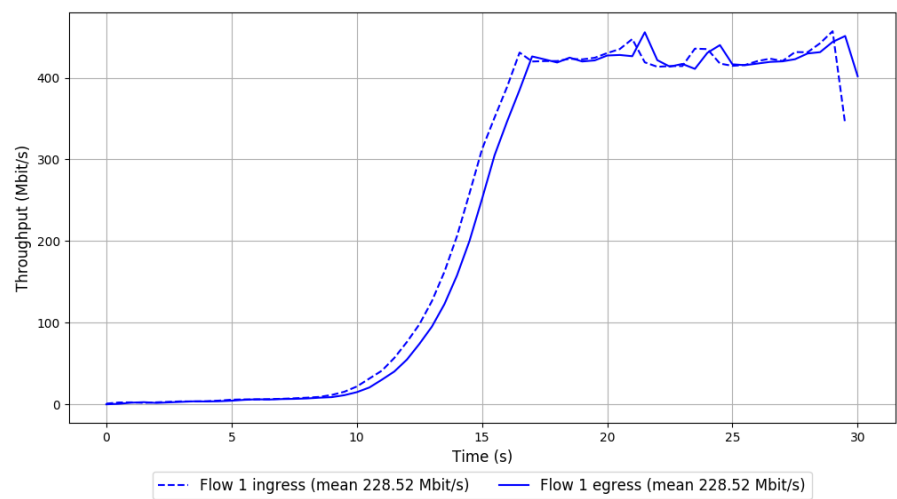
-- Flow 1:

Average throughput: 228.52 Mbit/s

95th percentile per-packet one-way delay: 62.074 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-25 00:56:58

End at: 2018-05-25 00:57:28

Local clock offset: -0.058 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-05-25 02:49:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.35 Mbit/s

95th percentile per-packet one-way delay: 62.126 ms

Loss rate: 0.00%

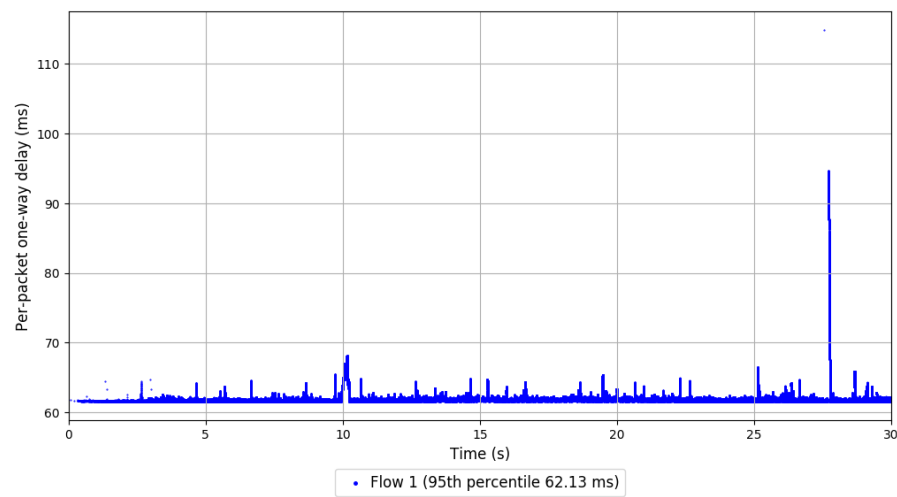
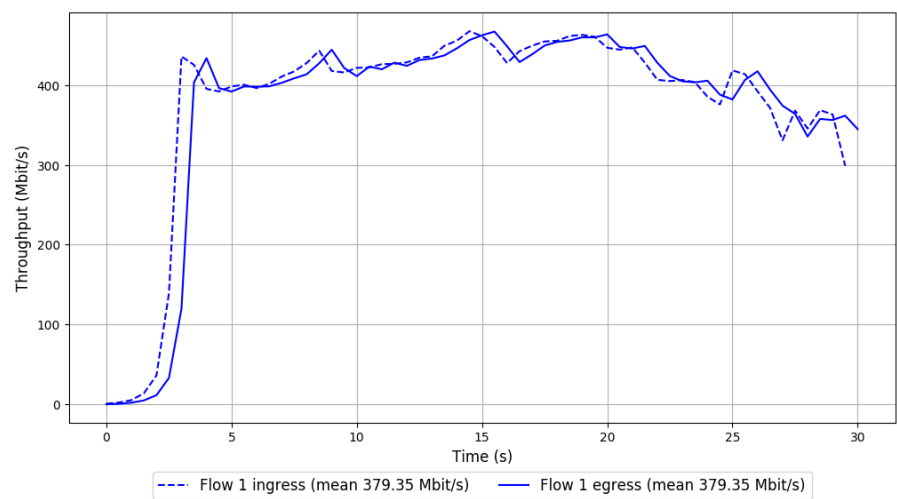
-- Flow 1:

Average throughput: 379.35 Mbit/s

95th percentile per-packet one-way delay: 62.126 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-25 01:17:00

End at: 2018-05-25 01:17:30

Local clock offset: -0.05 ms

Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-05-25 02:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.29 Mbit/s

95th percentile per-packet one-way delay: 61.843 ms

Loss rate: 0.00%

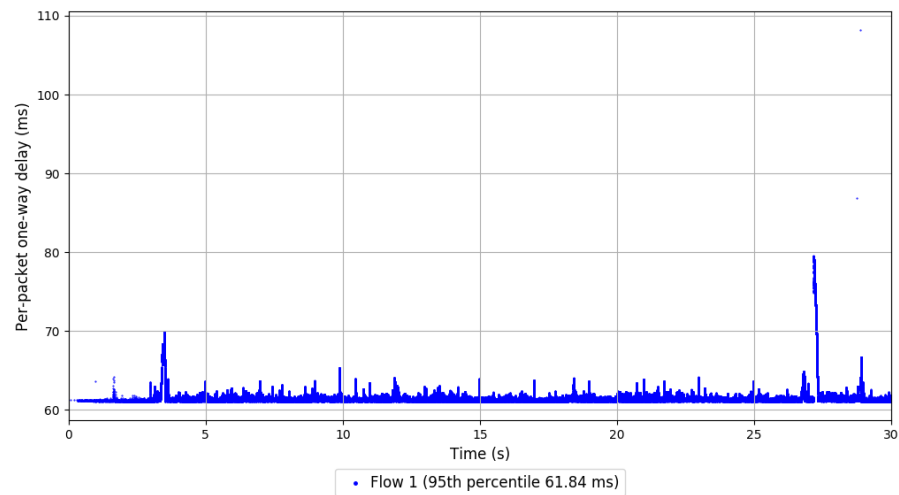
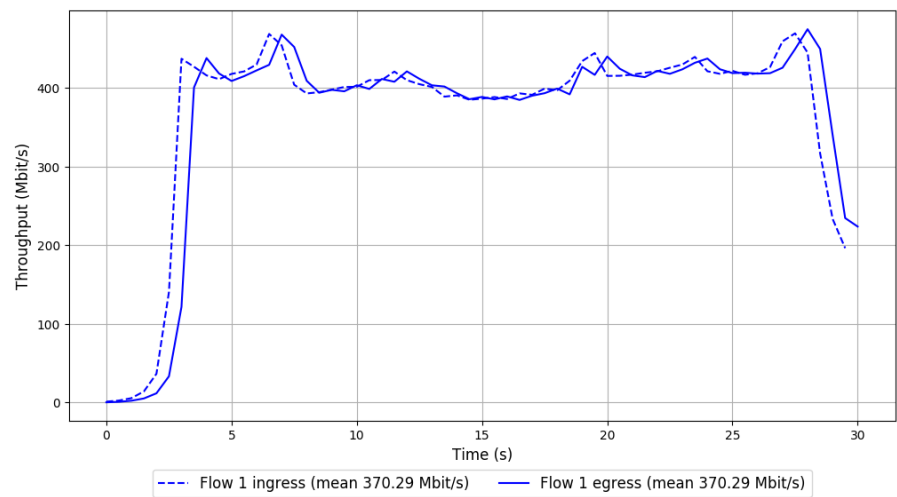
-- Flow 1:

Average throughput: 370.29 Mbit/s

95th percentile per-packet one-way delay: 61.843 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

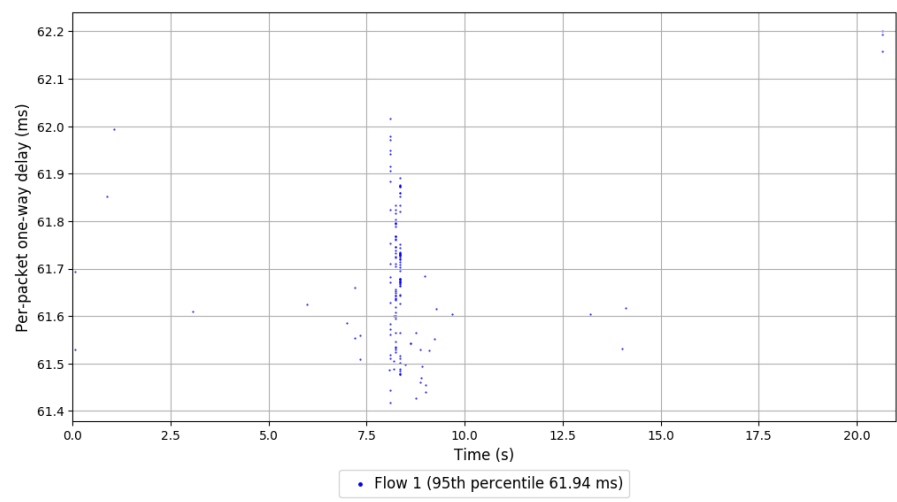
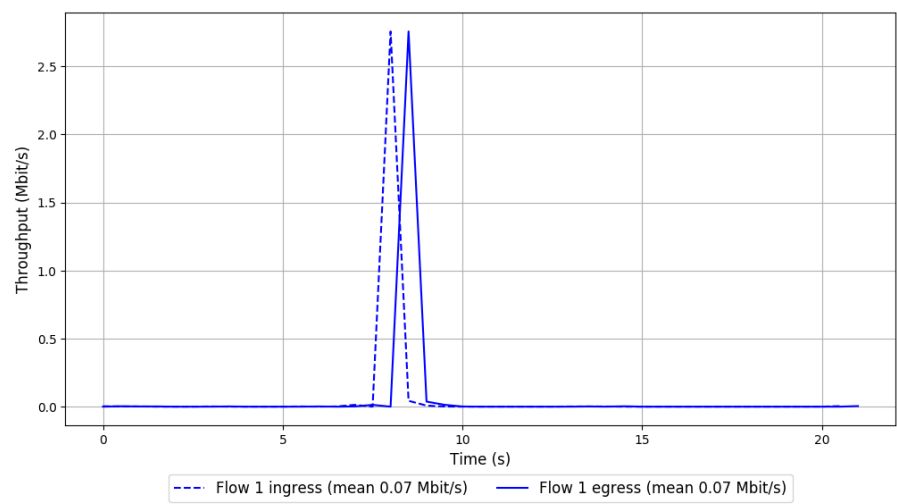
Start at: 2018-05-24 22:04:06

End at: 2018-05-24 22:04:36

Local clock offset: -0.004 ms

Remote clock offset: -0.055 ms

Run 1: Report of WebRTC media — Data Link

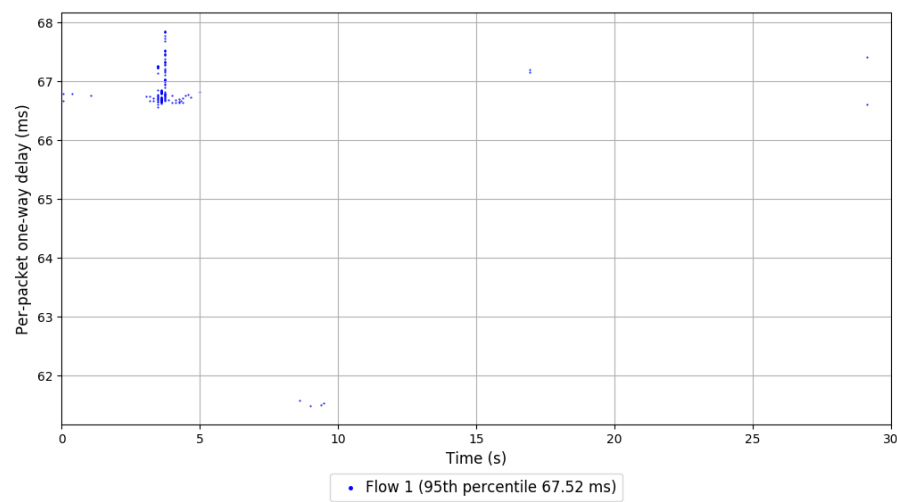
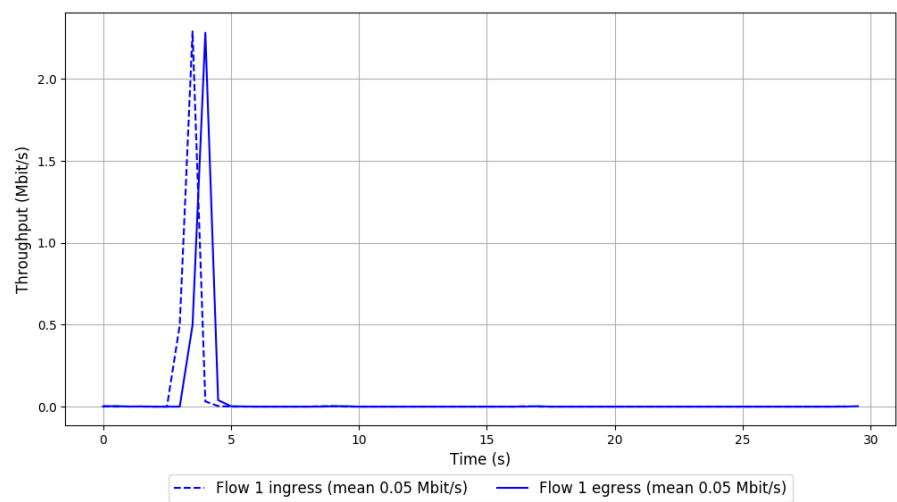


Run 2: Statistics of WebRTC media

Start at: 2018-05-24 22:24:16
End at: 2018-05-24 22:24:46
Local clock offset: 0.037 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-25 02:49:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.516 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-24 22:44:18

End at: 2018-05-24 22:44:48

Local clock offset: 0.012 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-05-25 02:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.535 ms

Loss rate: 0.00%

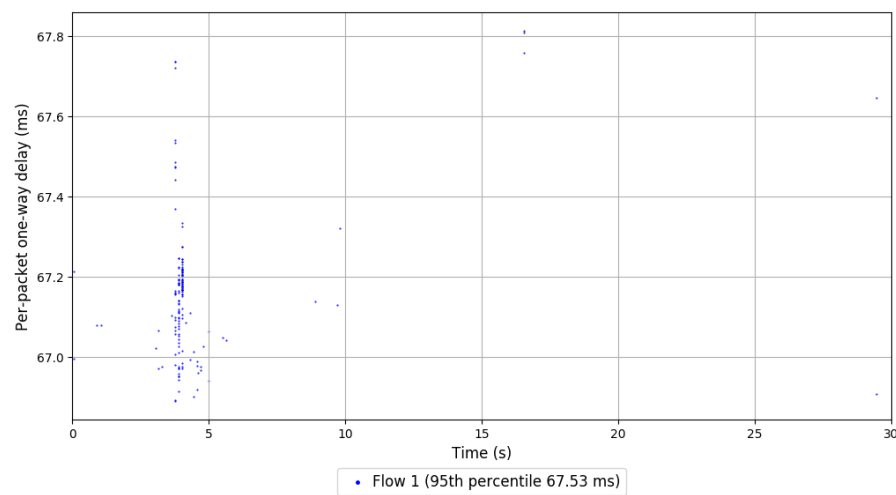
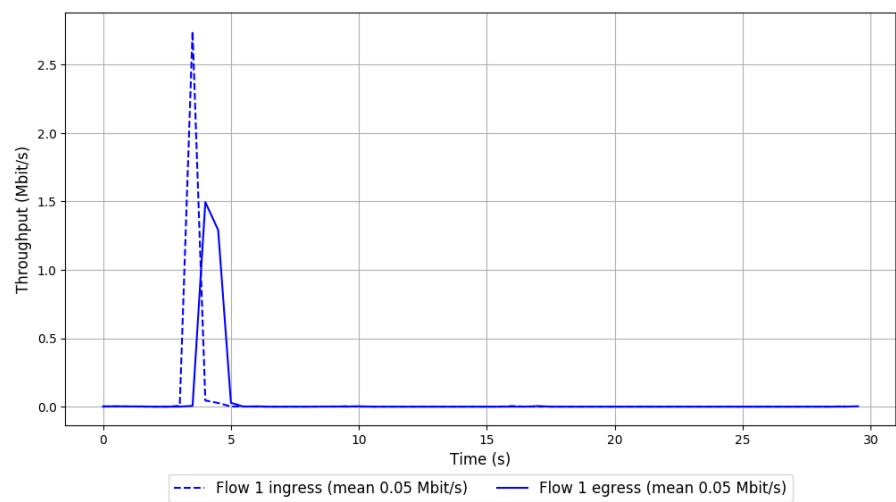
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.535 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-24 23:04:28

End at: 2018-05-24 23:04:58

Local clock offset: -0.052 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-05-25 02:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.537 ms

Loss rate: 0.00%

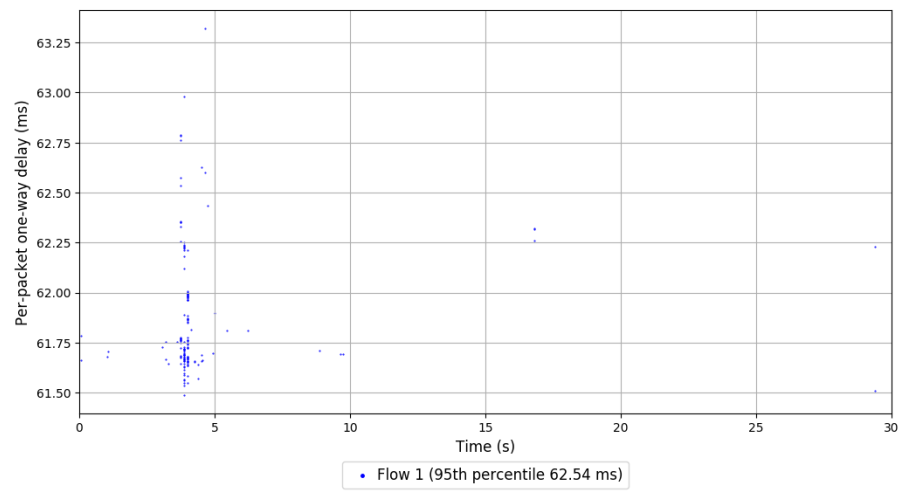
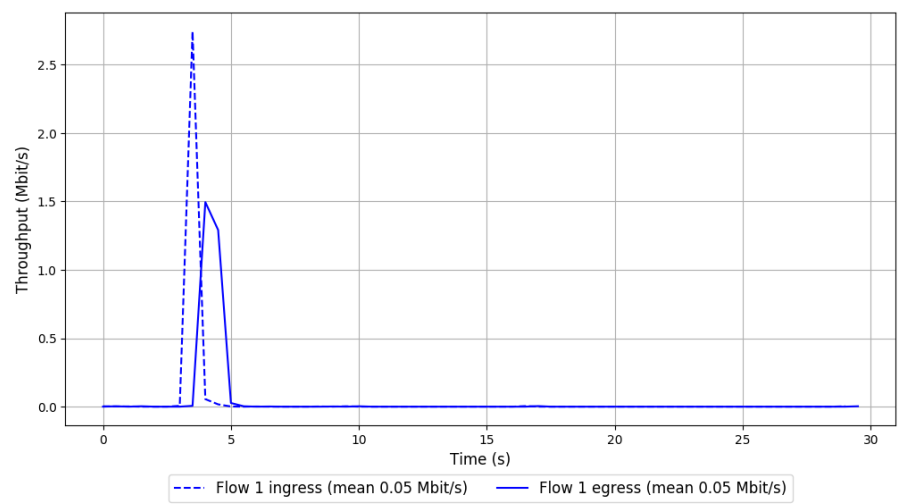
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.537 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-24 23:24:46

End at: 2018-05-24 23:25:16

Local clock offset: -0.117 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-05-25 02:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 66.780 ms

Loss rate: 0.00%

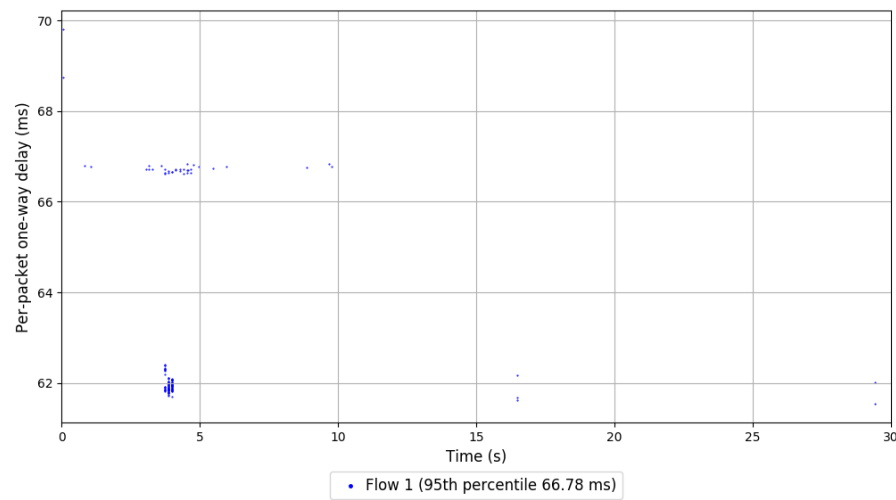
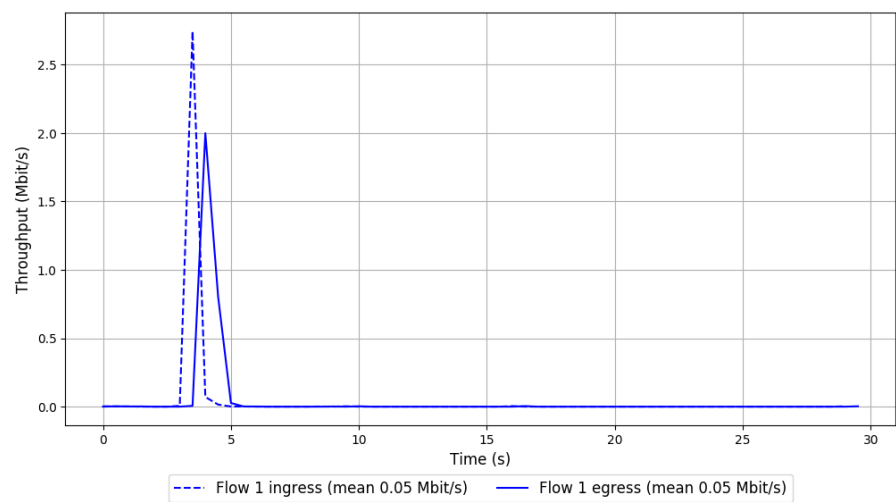
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 66.780 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-24 23:44:59

End at: 2018-05-24 23:45:29

Local clock offset: 0.029 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-05-25 02:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.517 ms

Loss rate: 0.00%

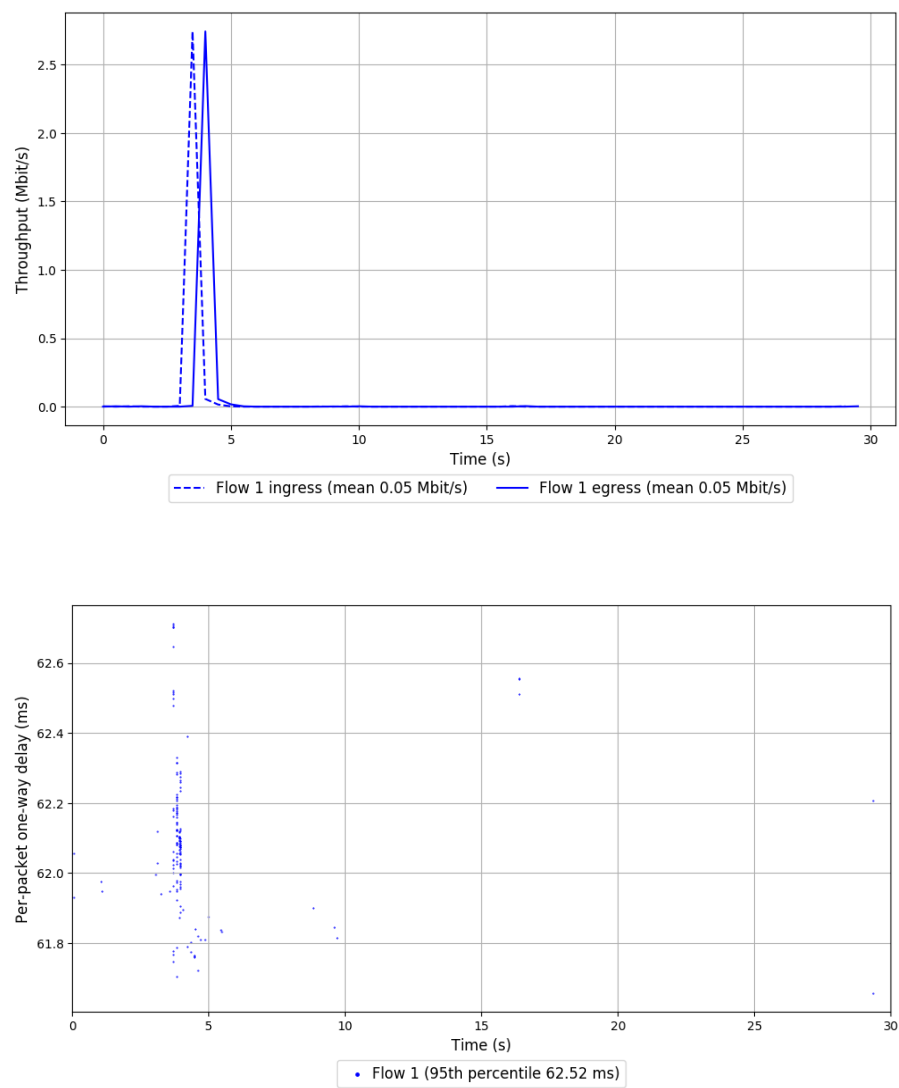
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.517 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-25 00:05:13

End at: 2018-05-25 00:05:43

Local clock offset: 0.074 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2018-05-25 02:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.133 ms

Loss rate: 0.00%

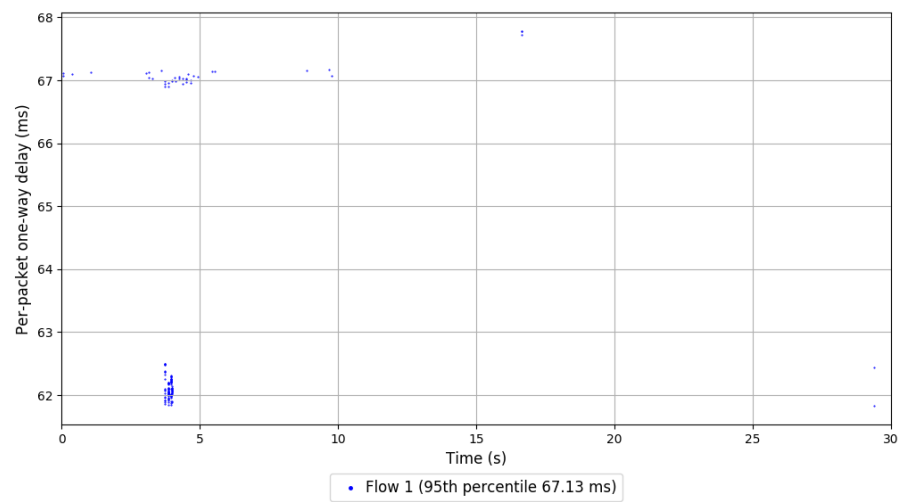
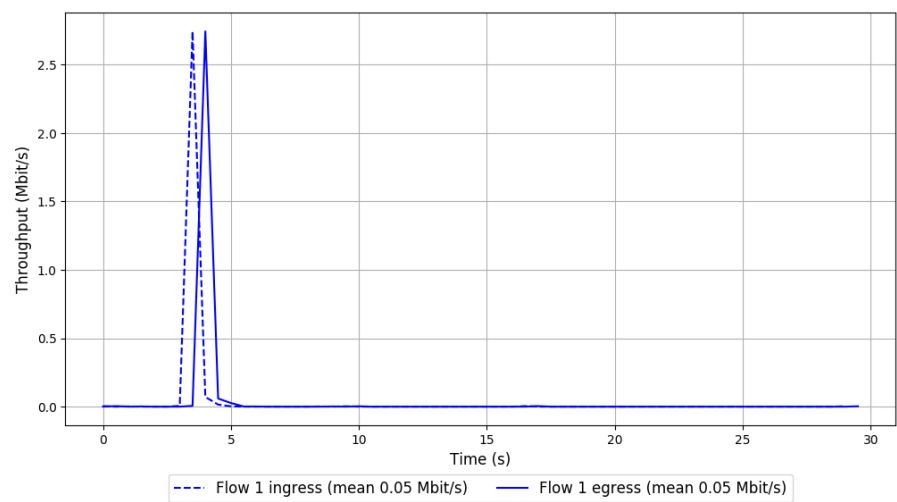
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.133 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-25 00:25:08

End at: 2018-05-25 00:25:38

Local clock offset: -0.054 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-05-25 02:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 66.910 ms

Loss rate: 0.00%

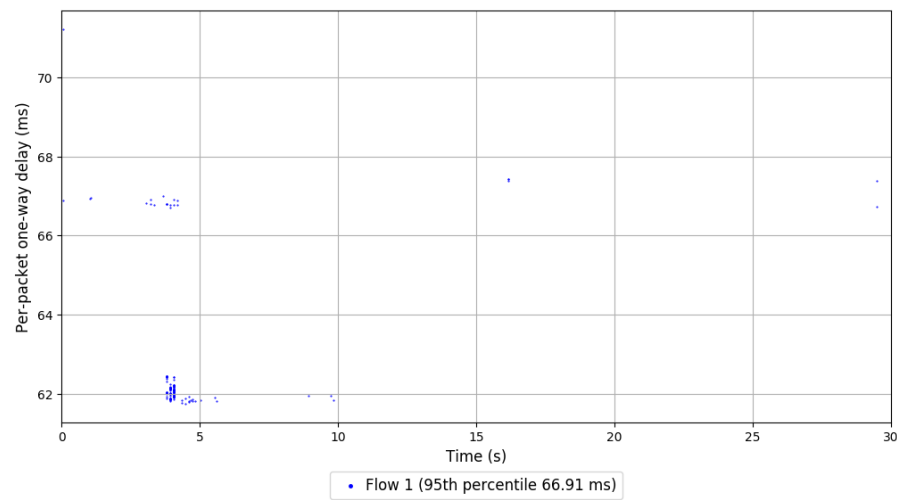
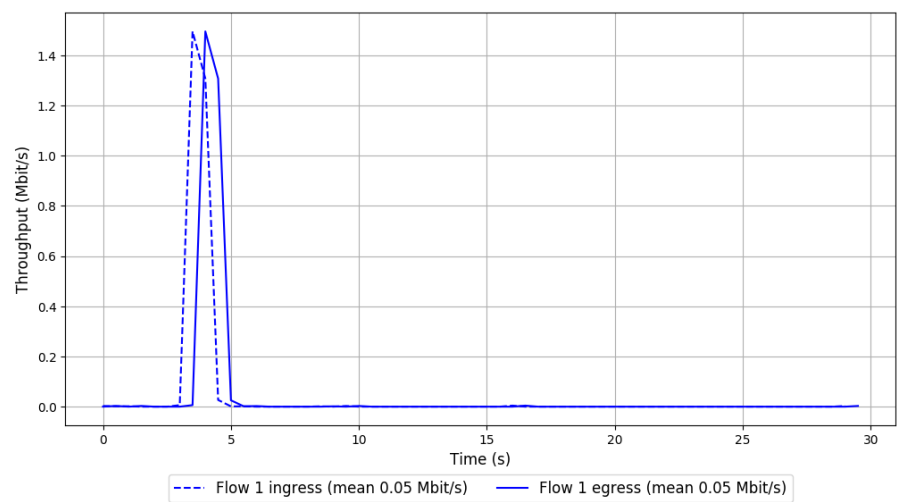
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 66.910 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

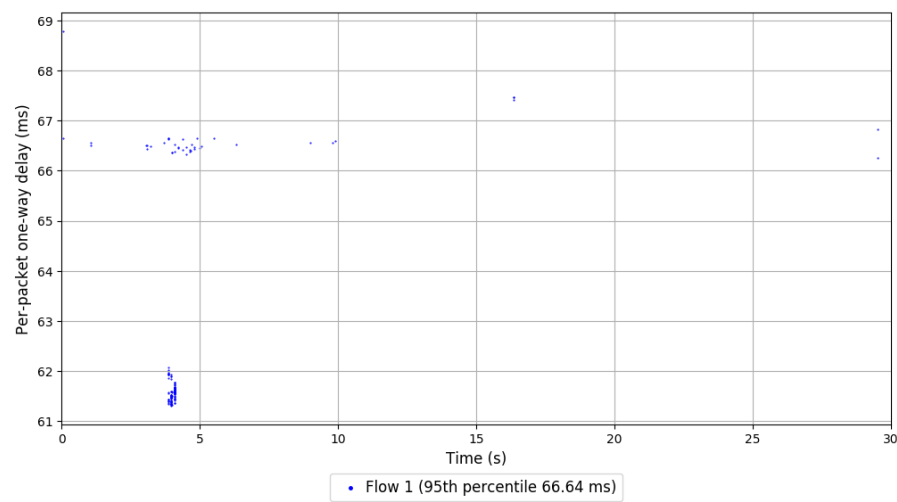
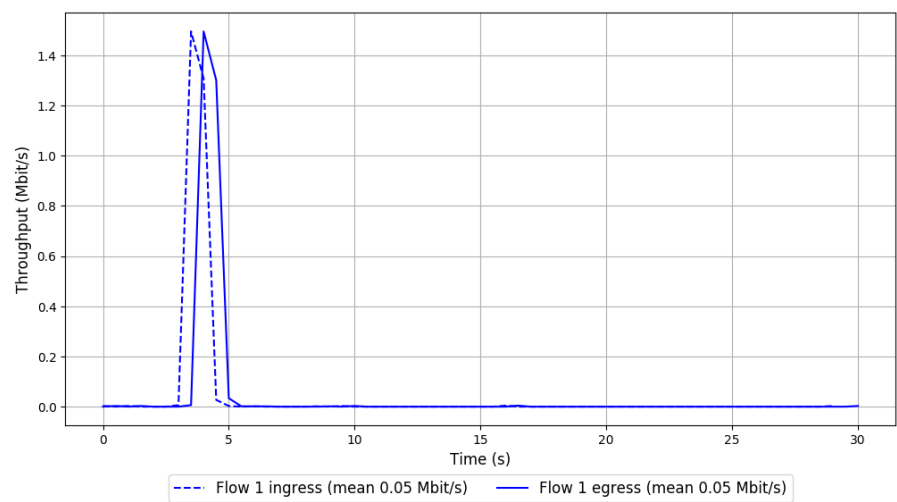


Run 9: Statistics of WebRTC media

Start at: 2018-05-25 00:44:47
End at: 2018-05-25 00:45:17
Local clock offset: -0.032 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-05-25 02:49:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.640 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-25 01:04:59
End at: 2018-05-25 01:05:29
Local clock offset: -0.039 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-05-25 02:49:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.620 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

