

Pantheon Report

Generated at 2018-07-18 15:46:15 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

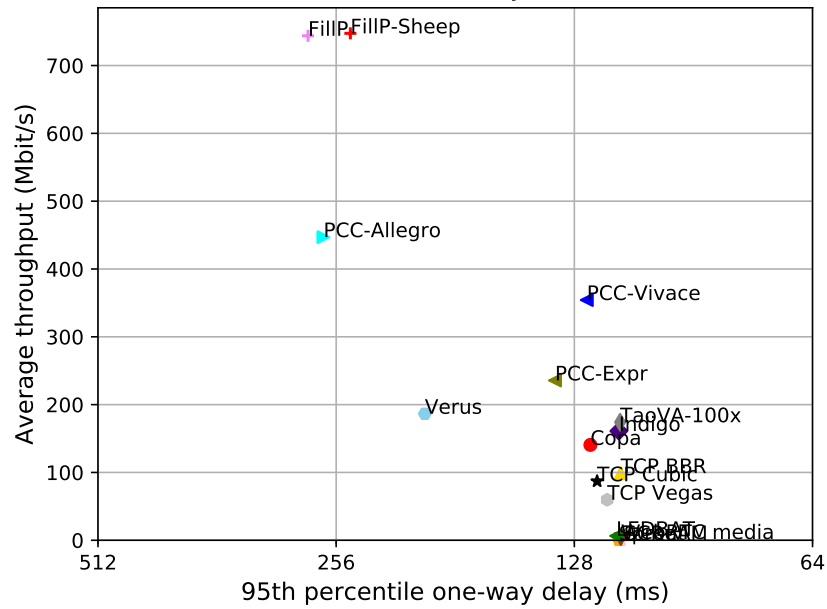
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

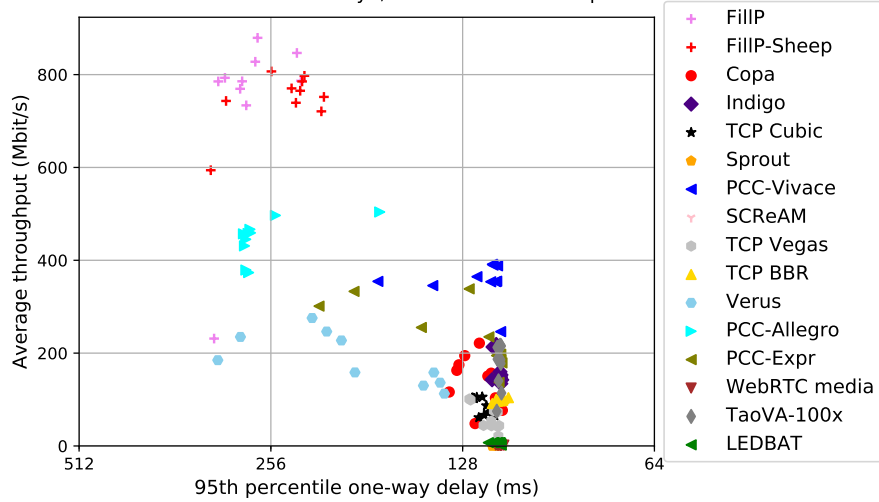
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/llp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/llp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE London to GCE Tokyo, 10 runs of 30s each per scheme



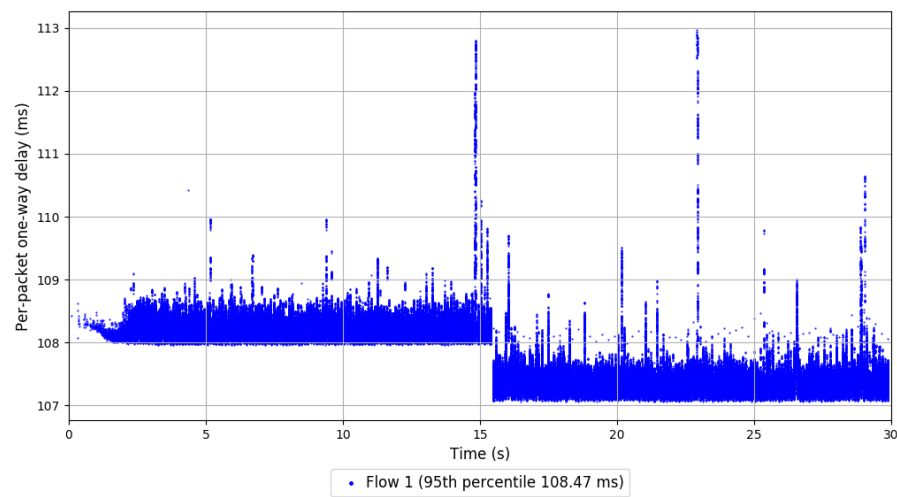
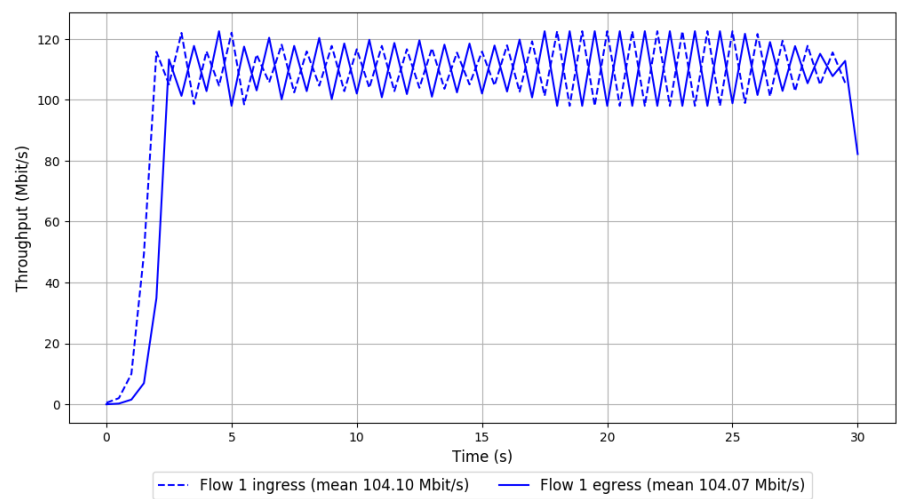
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	98.99	111.87	0.78
Copa	10	140.62	122.16	0.84
TCP Cubic	10	87.02	119.80	0.87
FillP	10	743.87	277.81	2.31
FillP-Sheep	10	747.45	245.63	2.24
Indigo	10	161.05	112.45	0.81
LEDBAT	10	6.42	113.35	1.64
PCC-Allegro	10	446.96	265.63	4.15
PCC-Expr	10	235.66	135.43	1.12
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.21	110.80	0.70
Sprout	10	0.20	112.46	0.70
TaoVA-100x	10	174.03	112.04	0.62
TCP Vegas	10	59.72	116.33	0.73
Verus	10	186.49	197.80	2.13
PCC-Vivace	10	354.27	123.46	0.77
WebRTC media	10	1.86	111.81	0.86

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 10:25:12
End at: 2018-07-18 10:25:42
Local clock offset: -0.116 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-18 14:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.07 Mbit/s
95th percentile per-packet one-way delay: 108.475 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 104.07 Mbit/s
95th percentile per-packet one-way delay: 108.475 ms
Loss rate: 0.77%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-18 10:47:30

End at: 2018-07-18 10:48:00

Local clock offset: -0.216 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-07-18 14:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.94 Mbit/s

95th percentile per-packet one-way delay: 111.283 ms

Loss rate: 0.80%

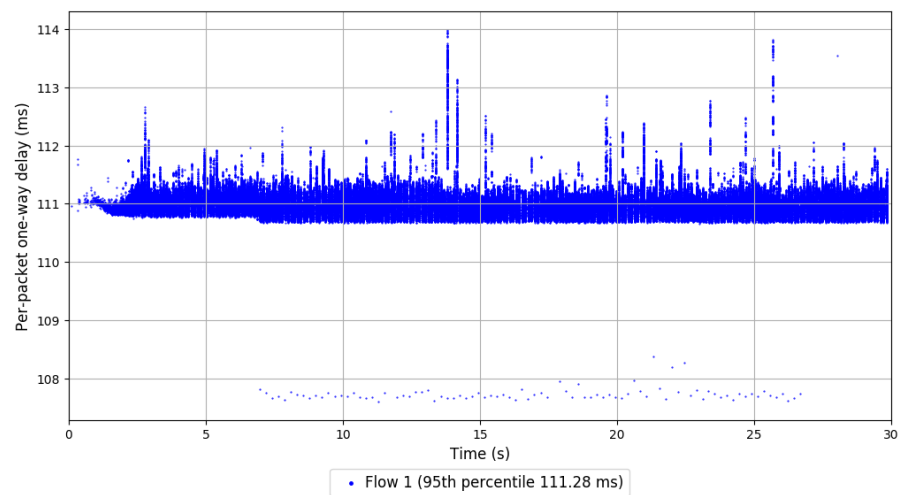
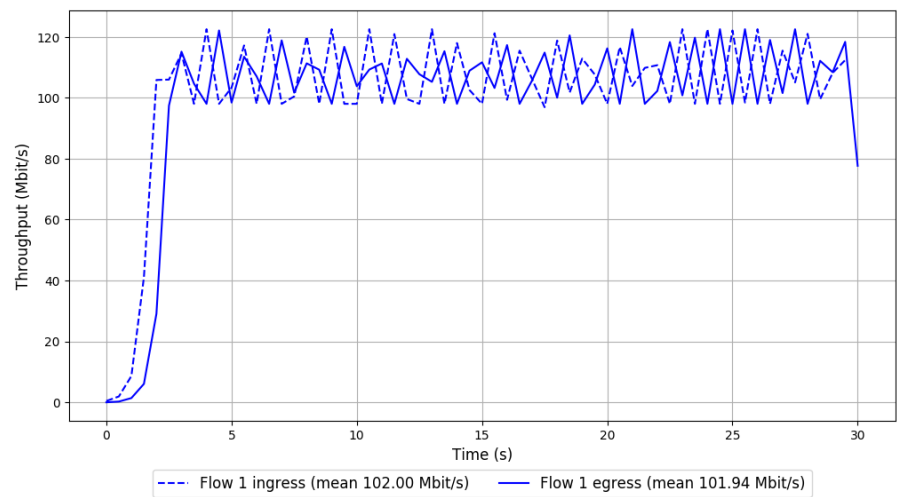
-- Flow 1:

Average throughput: 101.94 Mbit/s

95th percentile per-packet one-way delay: 111.283 ms

Loss rate: 0.80%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-18 11:10:10

End at: 2018-07-18 11:10:40

Local clock offset: -0.1 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-07-18 14:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.95 Mbit/s

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

Loss rate: 0.76%

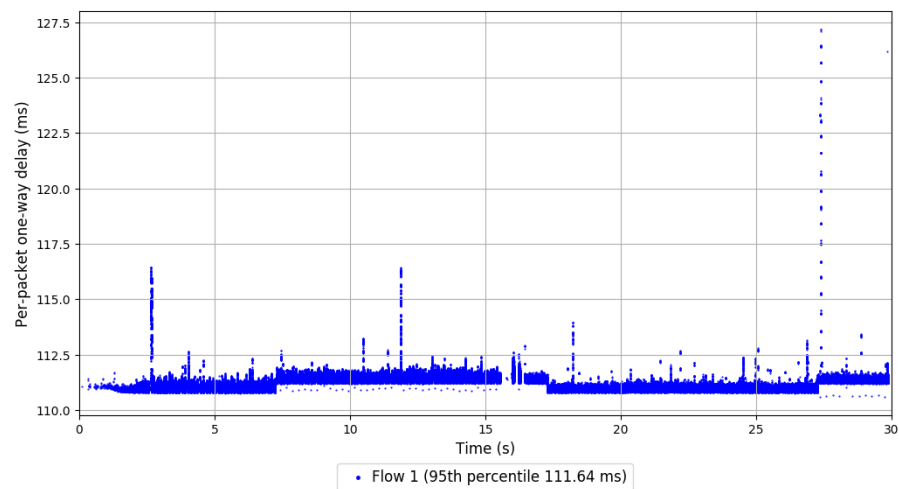
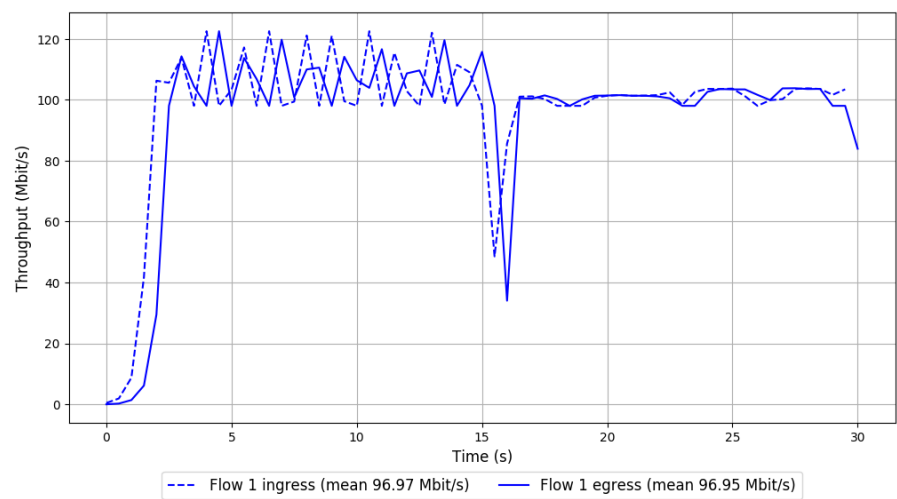
-- Flow 1:

Average throughput: 96.95 Mbit/s

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

Loss rate: 0.76%

Run 3: Report of TCP BBR — Data Link

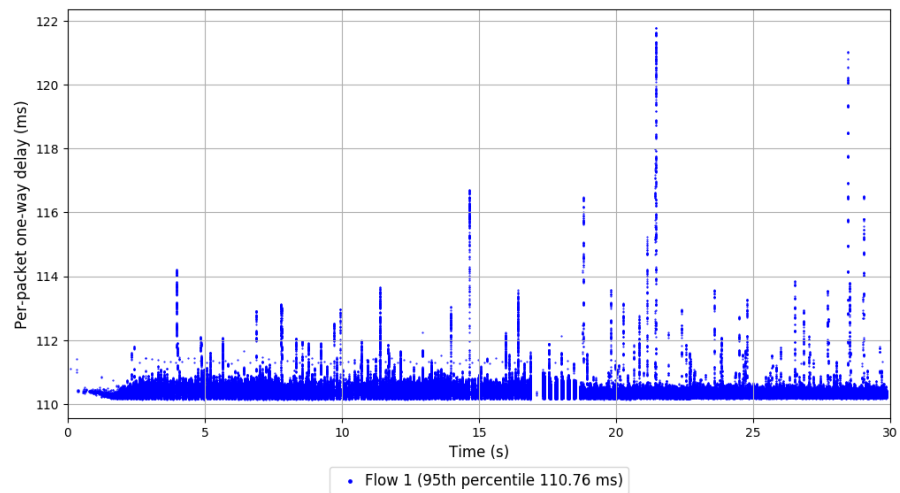
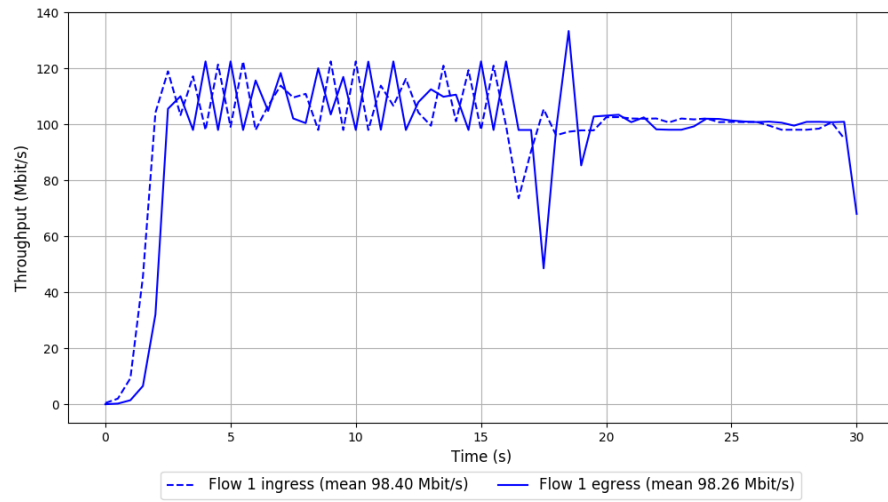


Run 4: Statistics of TCP BBR

Start at: 2018-07-18 11:32:46
End at: 2018-07-18 11:33:16
Local clock offset: -0.126 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-07-18 14:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.26 Mbit/s
95th percentile per-packet one-way delay: 110.757 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 98.26 Mbit/s
95th percentile per-packet one-way delay: 110.757 ms
Loss rate: 0.73%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-18 11:55:17

End at: 2018-07-18 11:55:47

Local clock offset: -1.341 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-18 14:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.72 Mbit/s

95th percentile per-packet one-way delay: 110.338 ms

Loss rate: 0.81%

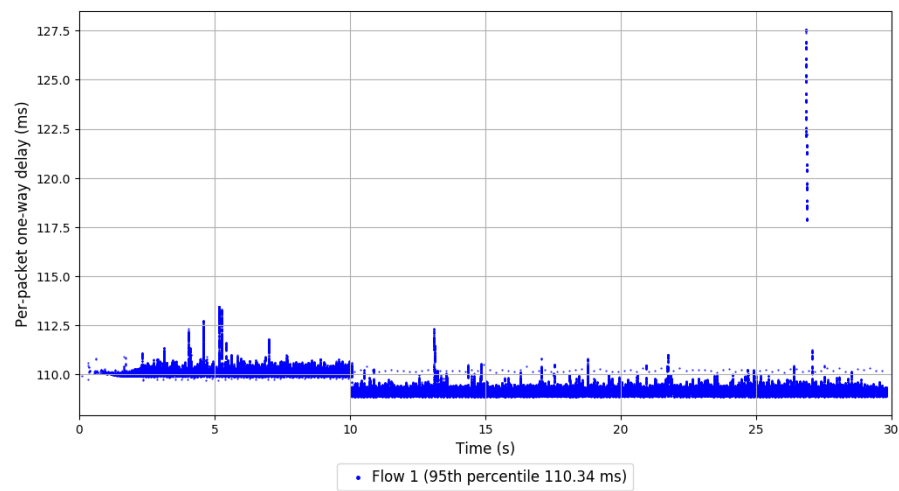
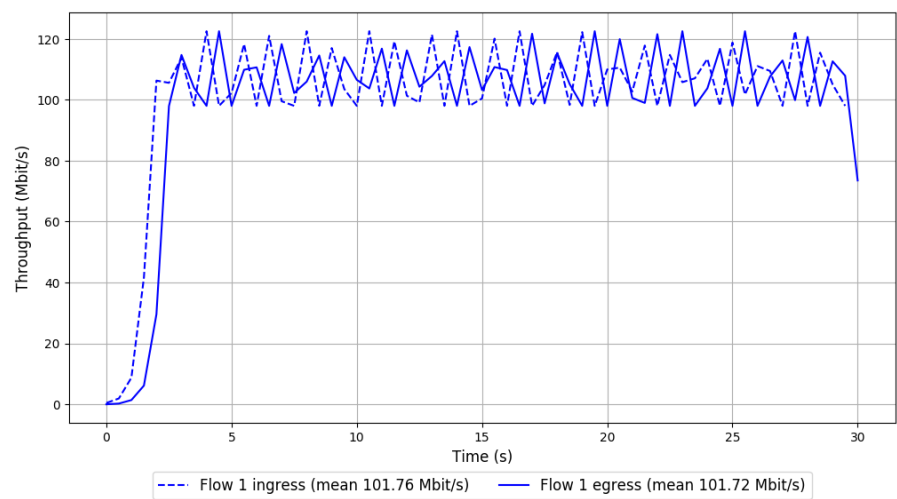
-- Flow 1:

Average throughput: 101.72 Mbit/s

95th percentile per-packet one-way delay: 110.338 ms

Loss rate: 0.81%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-18 12:17:50

End at: 2018-07-18 12:18:20

Local clock offset: 1.195 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-07-18 14:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 112.891 ms

Loss rate: 0.76%

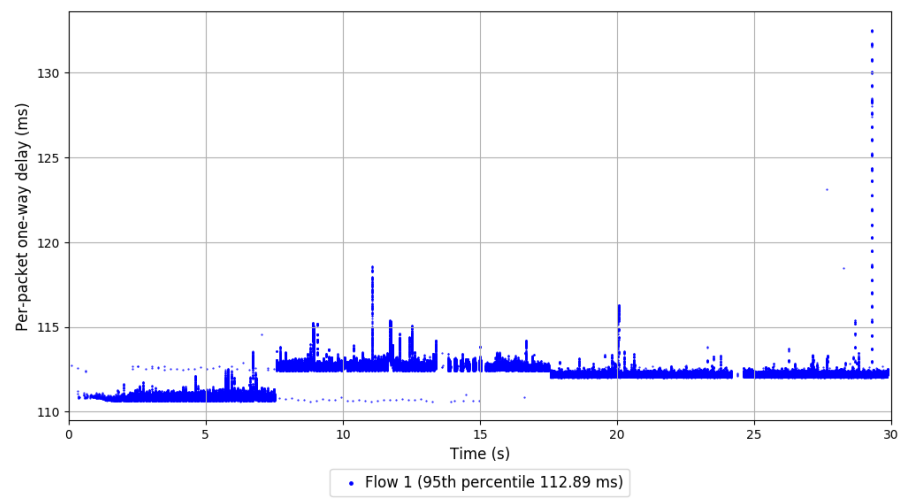
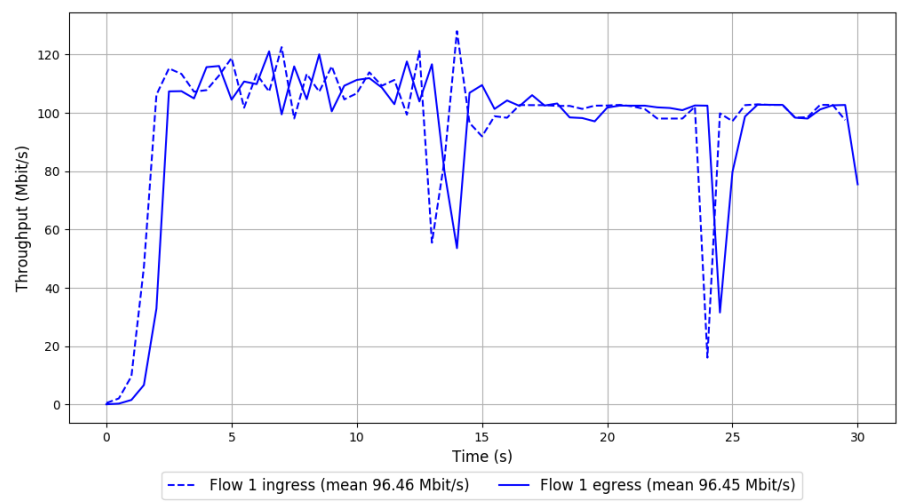
-- Flow 1:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 112.891 ms

Loss rate: 0.76%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-18 12:40:36

End at: 2018-07-18 12:41:06

Local clock offset: 1.261 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-18 14:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.66 Mbit/s

95th percentile per-packet one-way delay: 112.940 ms

Loss rate: 0.84%

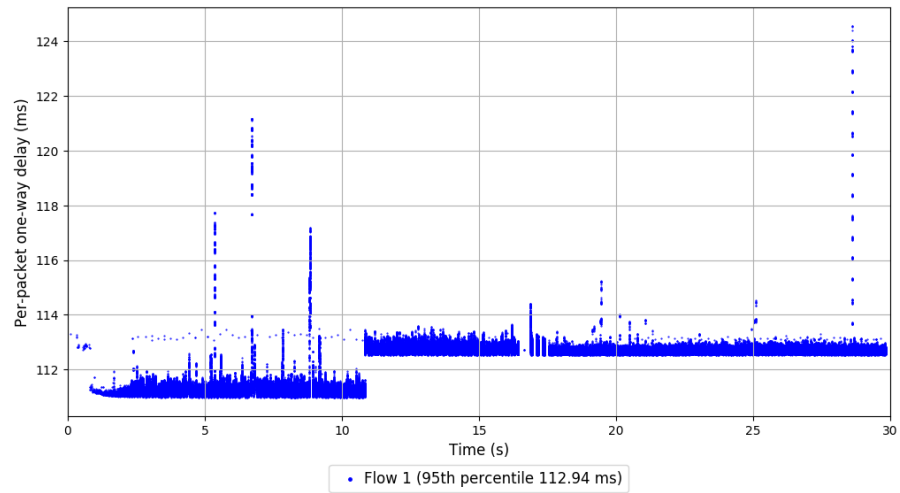
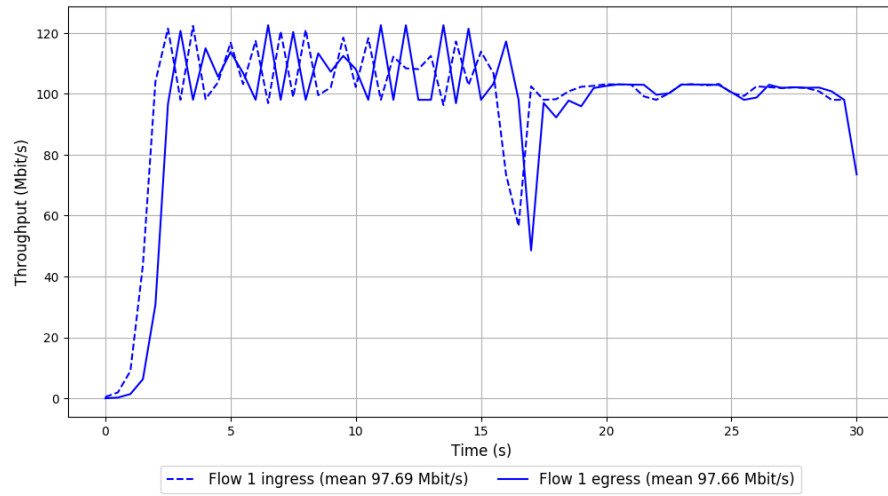
-- Flow 1:

Average throughput: 97.66 Mbit/s

95th percentile per-packet one-way delay: 112.940 ms

Loss rate: 0.84%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-18 13:03:11

End at: 2018-07-18 13:03:41

Local clock offset: 0.103 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2018-07-18 14:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.83 Mbit/s

95th percentile per-packet one-way delay: 111.983 ms

Loss rate: 0.81%

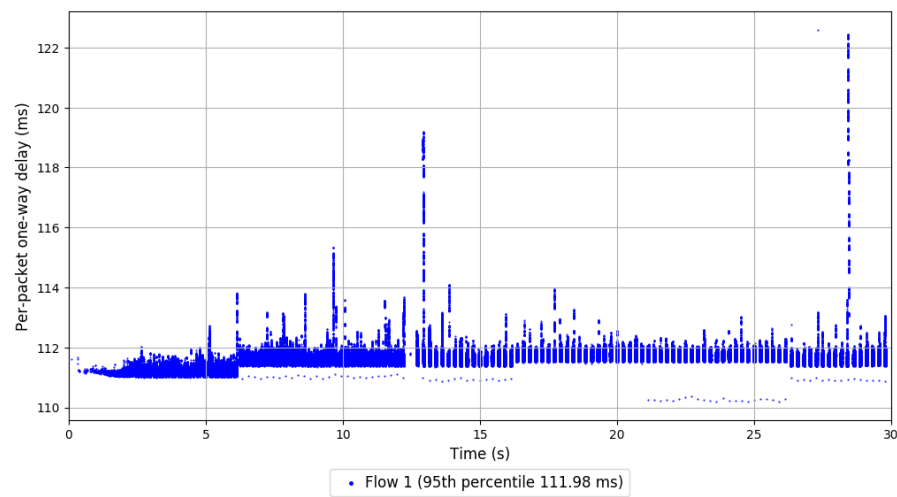
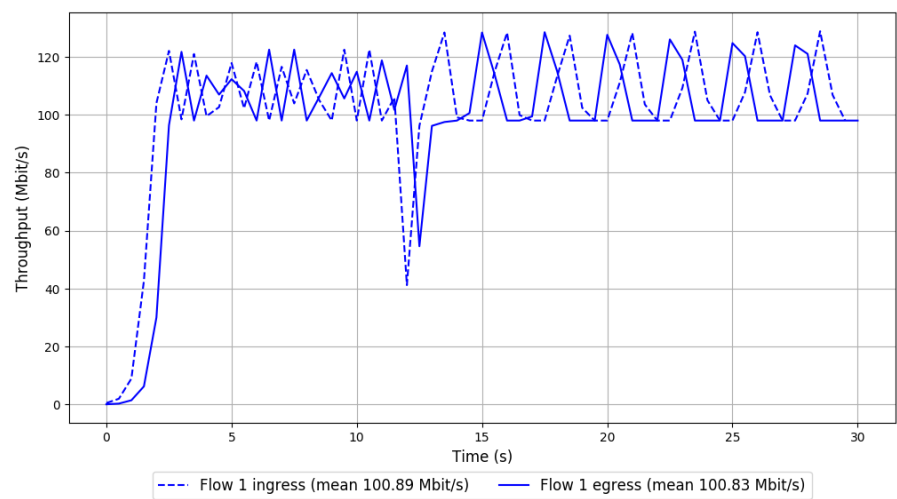
-- Flow 1:

Average throughput: 100.83 Mbit/s

95th percentile per-packet one-way delay: 111.983 ms

Loss rate: 0.81%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-18 13:25:55

End at: 2018-07-18 13:26:25

Local clock offset: 1.117 ms

Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-07-18 14:22:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.59 Mbit/s

95th percentile per-packet one-way delay: 113.364 ms

Loss rate: 0.76%

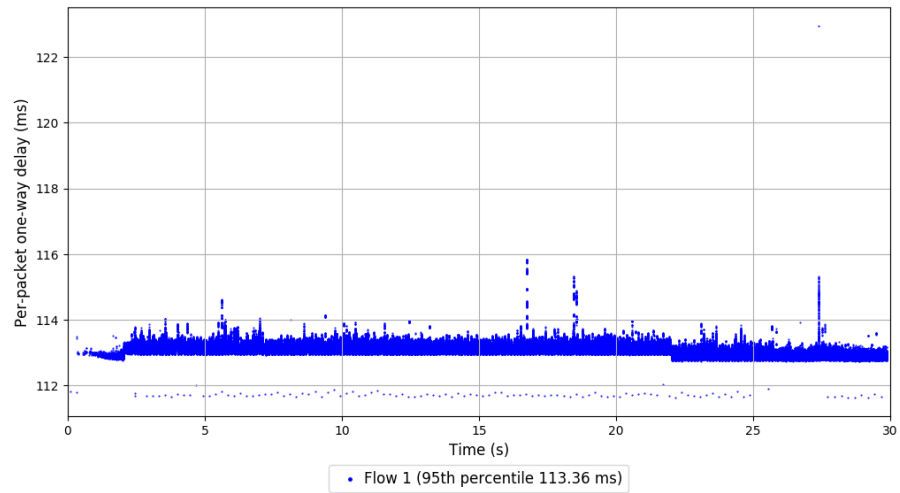
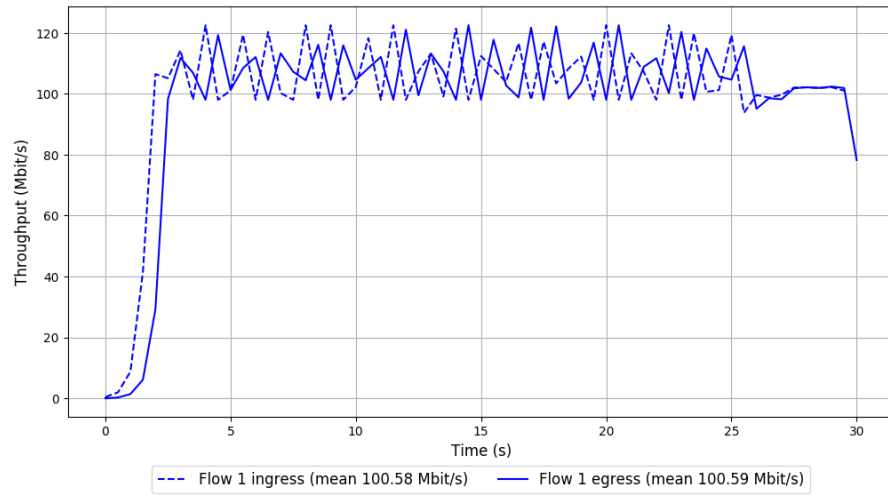
-- Flow 1:

Average throughput: 100.59 Mbit/s

95th percentile per-packet one-way delay: 113.364 ms

Loss rate: 0.76%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-18 13:48:43

End at: 2018-07-18 13:49:13

Local clock offset: -0.066 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-18 14:22:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.42 Mbit/s

95th percentile per-packet one-way delay: 114.989 ms

Loss rate: 0.79%

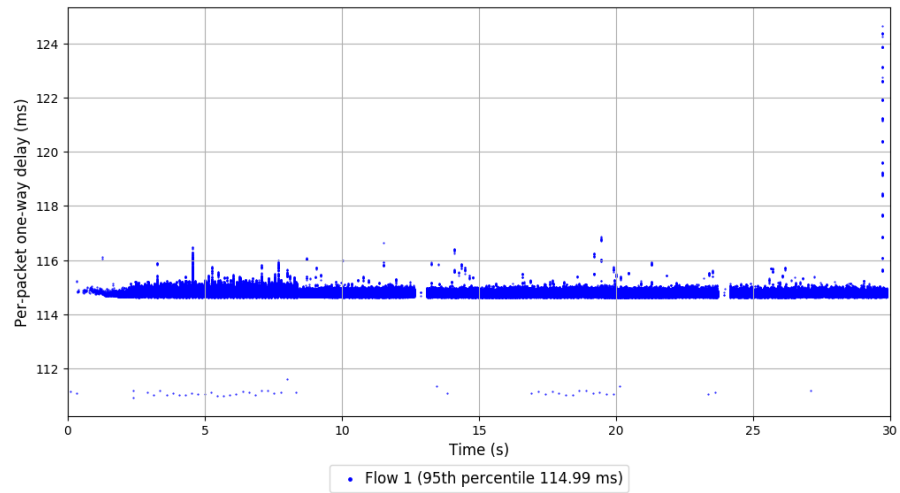
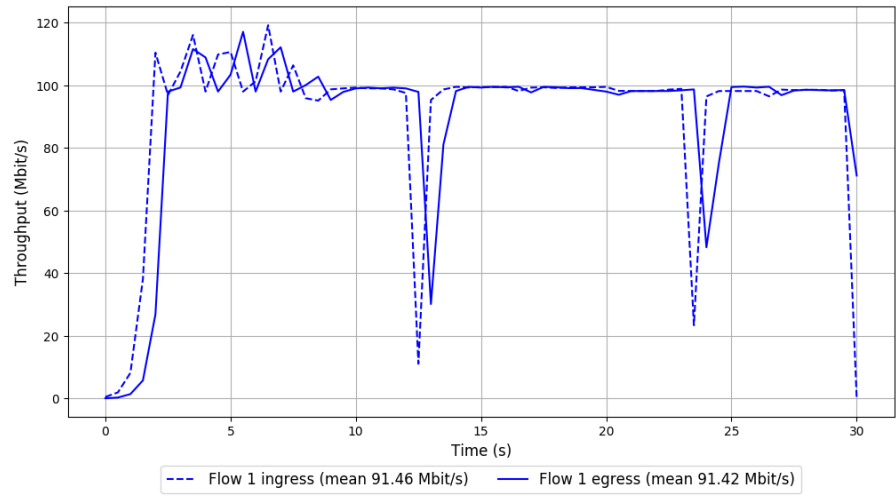
-- Flow 1:

Average throughput: 91.42 Mbit/s

95th percentile per-packet one-way delay: 114.989 ms

Loss rate: 0.79%

Run 10: Report of TCP BBR — Data Link

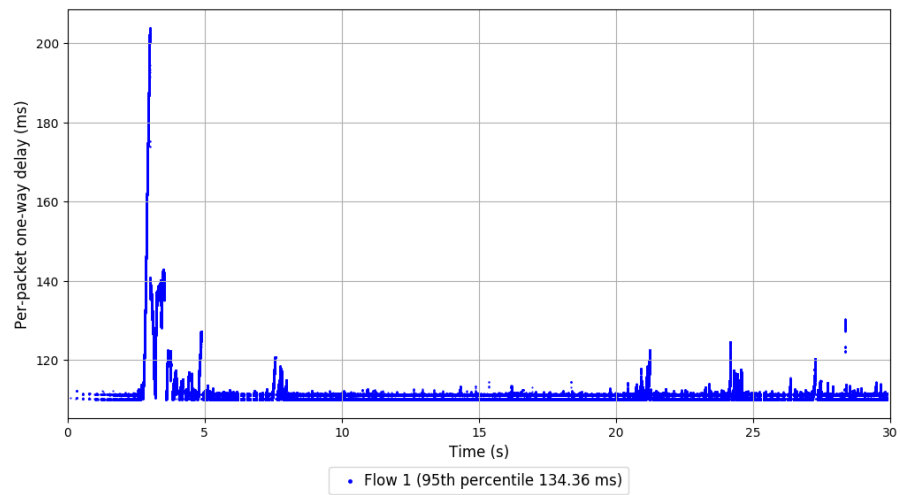
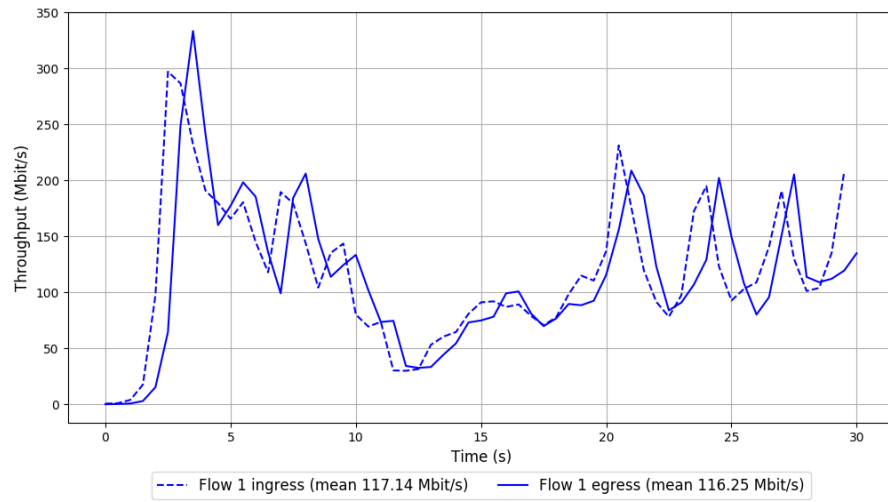


Run 1: Statistics of Copa

Start at: 2018-07-18 10:31:13
End at: 2018-07-18 10:31:43
Local clock offset: -0.088 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-18 14:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.25 Mbit/s
95th percentile per-packet one-way delay: 134.356 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 116.25 Mbit/s
95th percentile per-packet one-way delay: 134.356 ms
Loss rate: 1.48%

Run 1: Report of Copa — Data Link

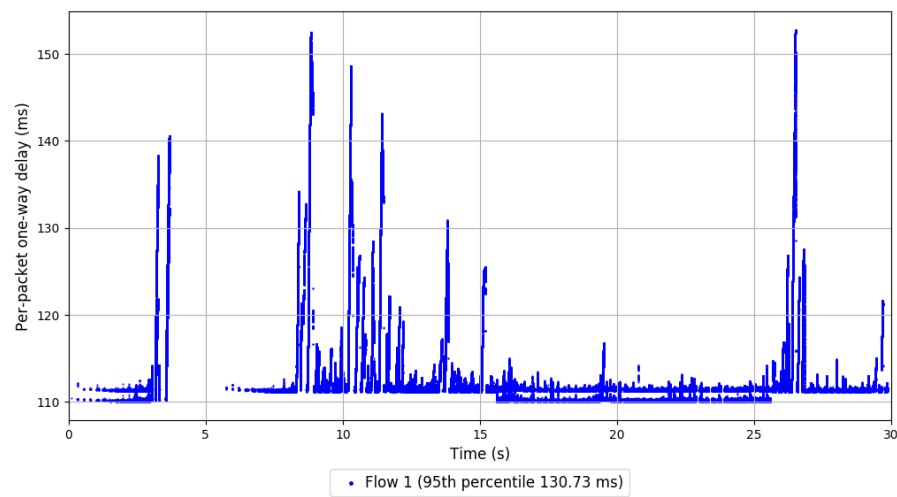
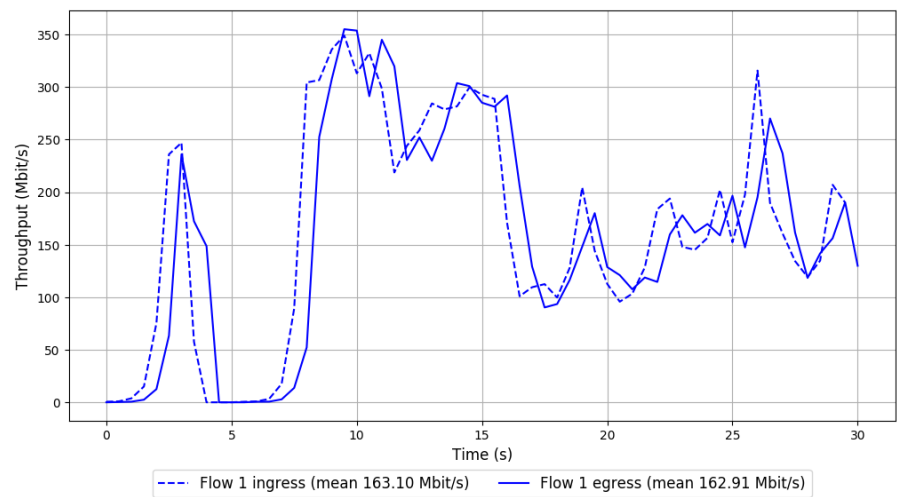


Run 2: Statistics of Copa

Start at: 2018-07-18 10:53:42
End at: 2018-07-18 10:54:12
Local clock offset: -0.071 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-18 14:26:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.91 Mbit/s
95th percentile per-packet one-way delay: 130.726 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 162.91 Mbit/s
95th percentile per-packet one-way delay: 130.726 ms
Loss rate: 0.86%

Run 2: Report of Copa — Data Link

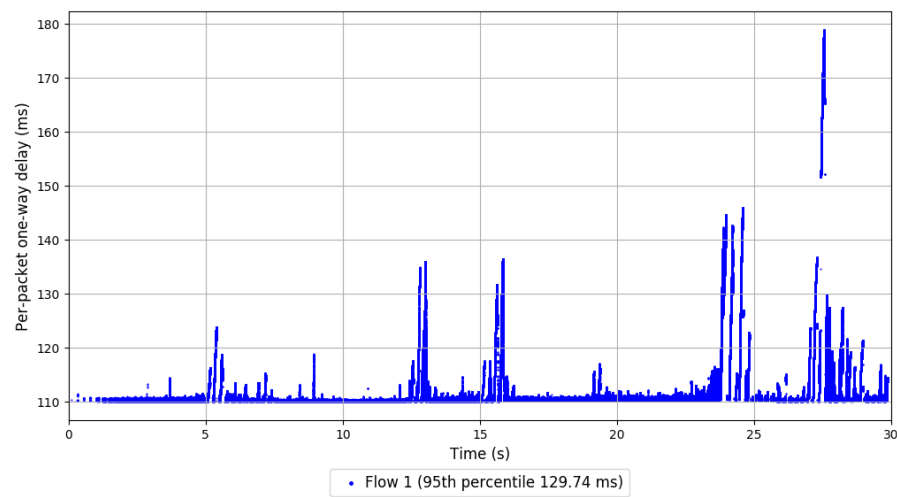
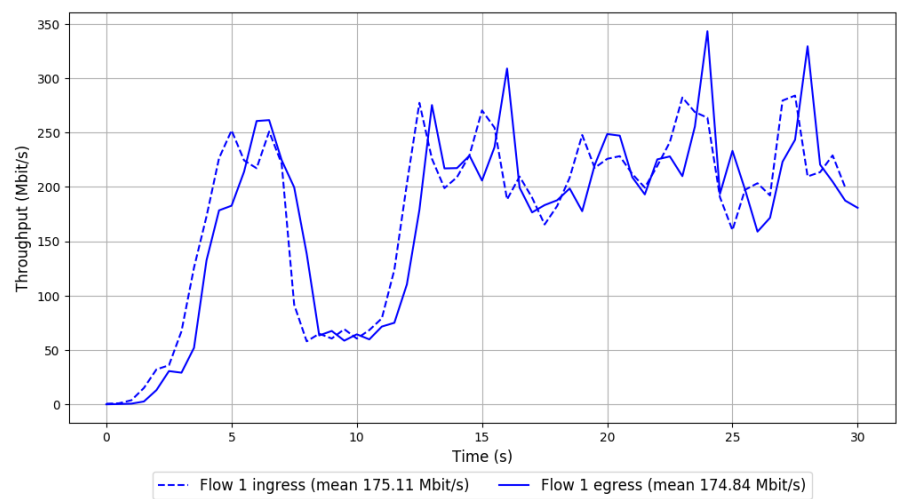


Run 3: Statistics of Copa

Start at: 2018-07-18 11:16:11
End at: 2018-07-18 11:16:41
Local clock offset: -1.492 ms
Remote clock offset: -0.581 ms

Below is generated by plot.py at 2018-07-18 14:26:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 174.84 Mbit/s
95th percentile per-packet one-way delay: 129.741 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 174.84 Mbit/s
95th percentile per-packet one-way delay: 129.741 ms
Loss rate: 0.88%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-18 11:38:57

End at: 2018-07-18 11:39:27

Local clock offset: -0.106 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-07-18 14:26:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.86 Mbit/s

95th percentile per-packet one-way delay: 110.878 ms

Loss rate: 0.76%

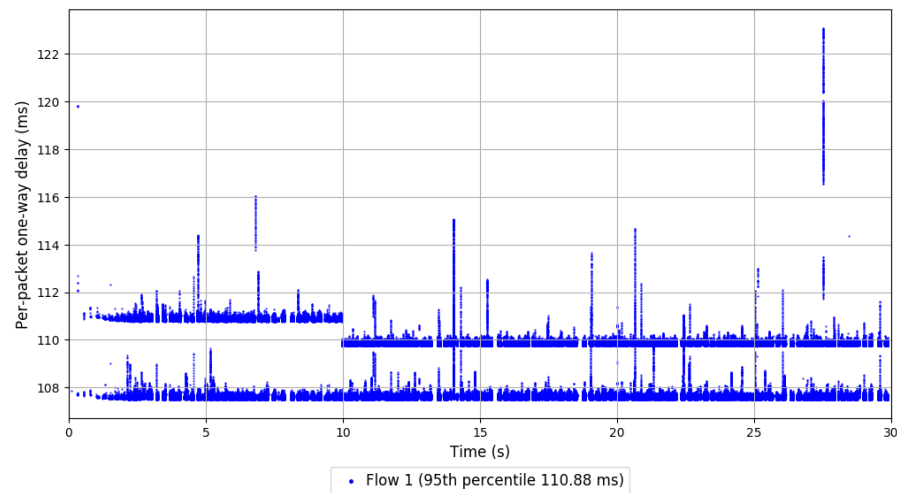
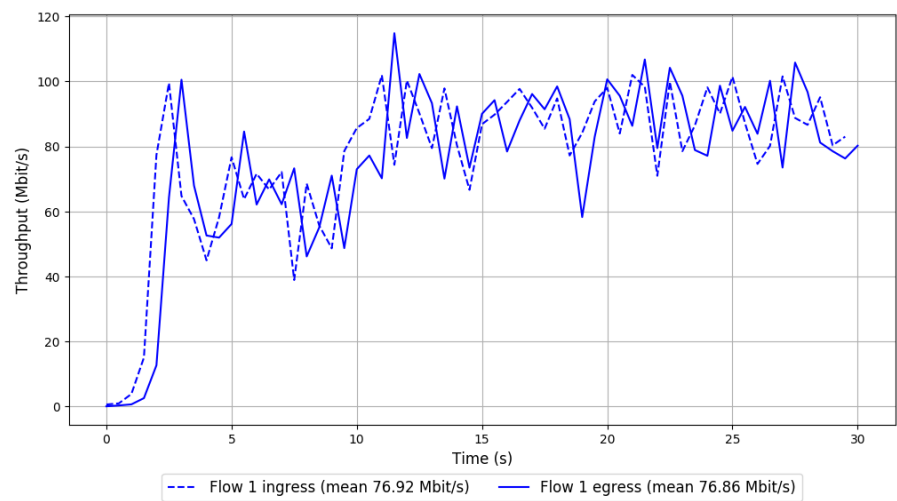
-- Flow 1:

Average throughput: 76.86 Mbit/s

95th percentile per-packet one-way delay: 110.878 ms

Loss rate: 0.76%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-18 12:01:25

End at: 2018-07-18 12:01:55

Local clock offset: -1.161 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-18 14:26:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.82 Mbit/s

95th percentile per-packet one-way delay: 115.448 ms

Loss rate: 0.59%

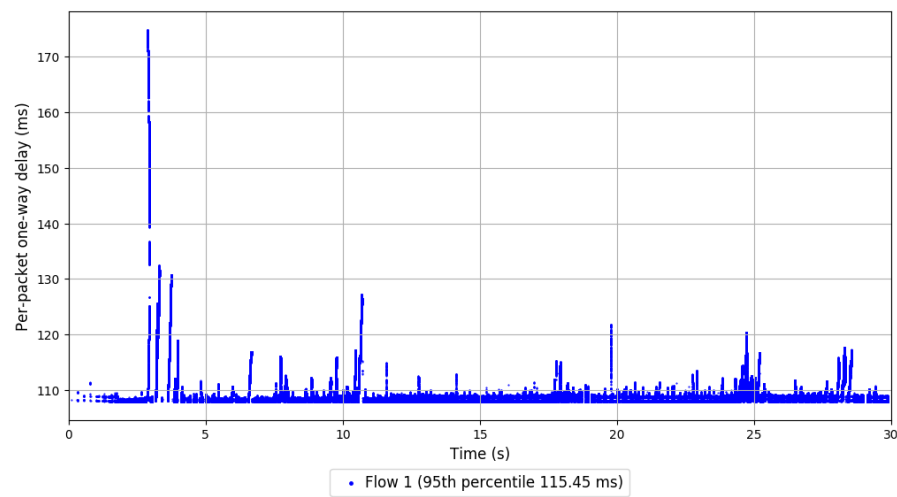
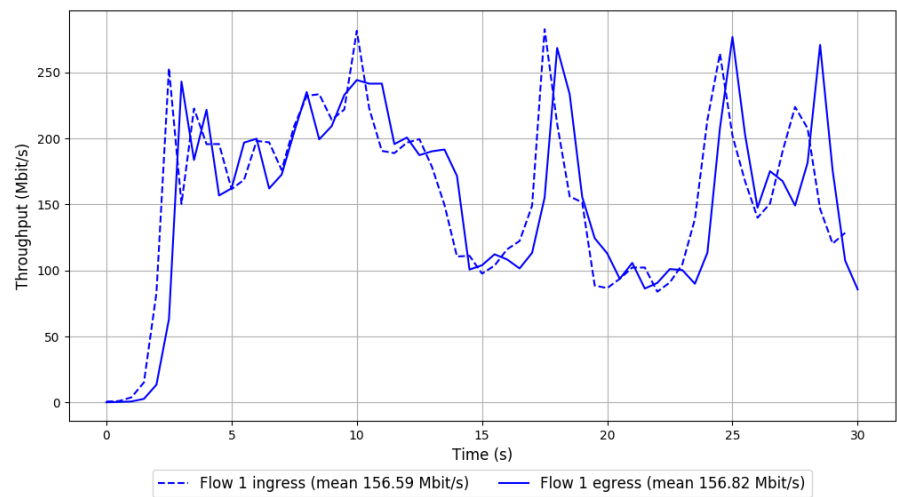
-- Flow 1:

Average throughput: 156.82 Mbit/s

95th percentile per-packet one-way delay: 115.448 ms

Loss rate: 0.59%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-18 12:23:55

End at: 2018-07-18 12:24:25

Local clock offset: 1.334 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-07-18 14:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.61 Mbit/s

95th percentile per-packet one-way delay: 127.033 ms

Loss rate: 0.15%

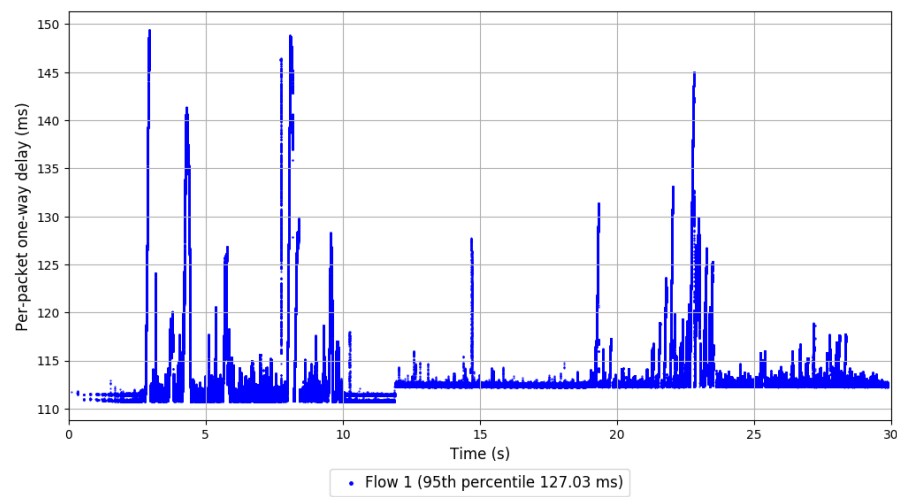
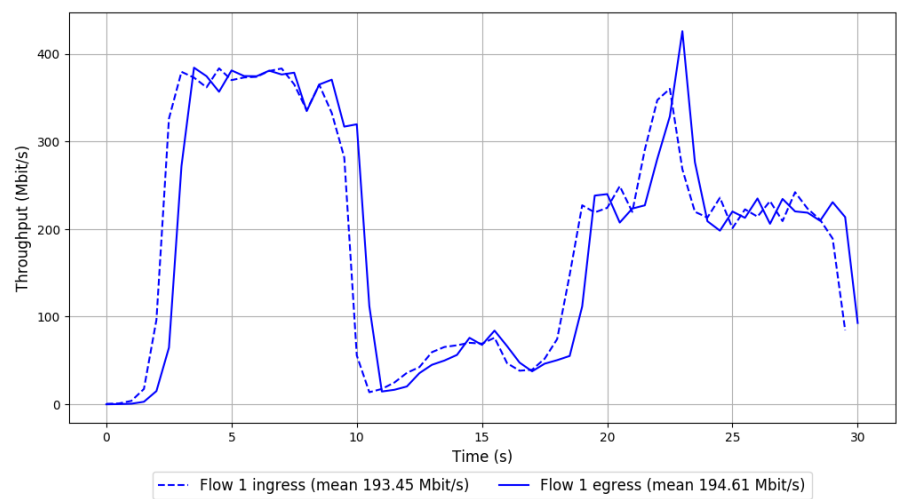
-- Flow 1:

Average throughput: 194.61 Mbit/s

95th percentile per-packet one-way delay: 127.033 ms

Loss rate: 0.15%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-18 12:46:45

End at: 2018-07-18 12:47:15

Local clock offset: 1.419 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-07-18 14:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.63 Mbit/s

95th percentile per-packet one-way delay: 113.711 ms

Loss rate: 1.19%

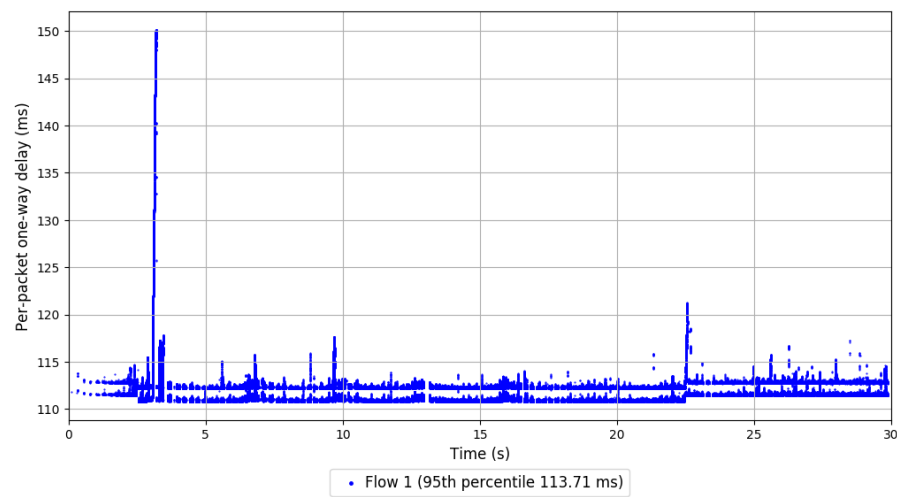
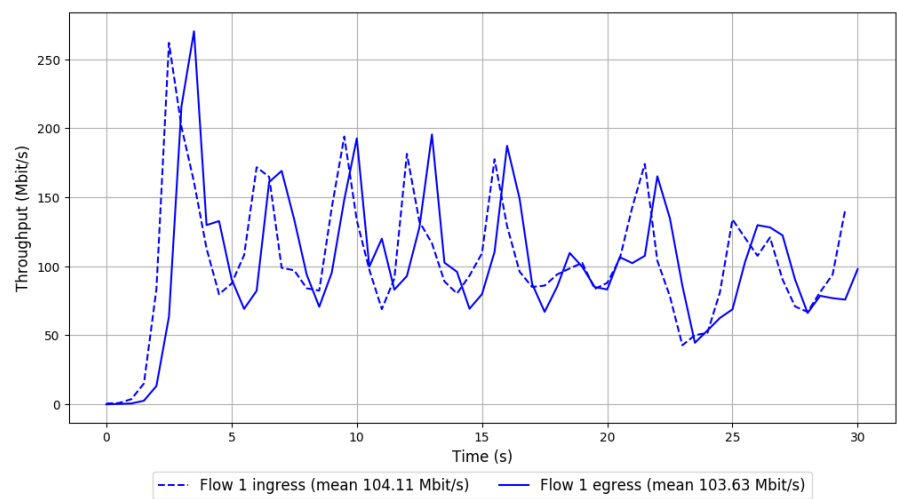
-- Flow 1:

Average throughput: 103.63 Mbit/s

95th percentile per-packet one-way delay: 113.711 ms

Loss rate: 1.19%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-18 13:09:18

End at: 2018-07-18 13:09:48

Local clock offset: -0.147 ms

Remote clock offset: 0.748 ms

Below is generated by plot.py at 2018-07-18 14:27:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.54 Mbit/s

95th percentile per-packet one-way delay: 116.863 ms

Loss rate: 0.64%

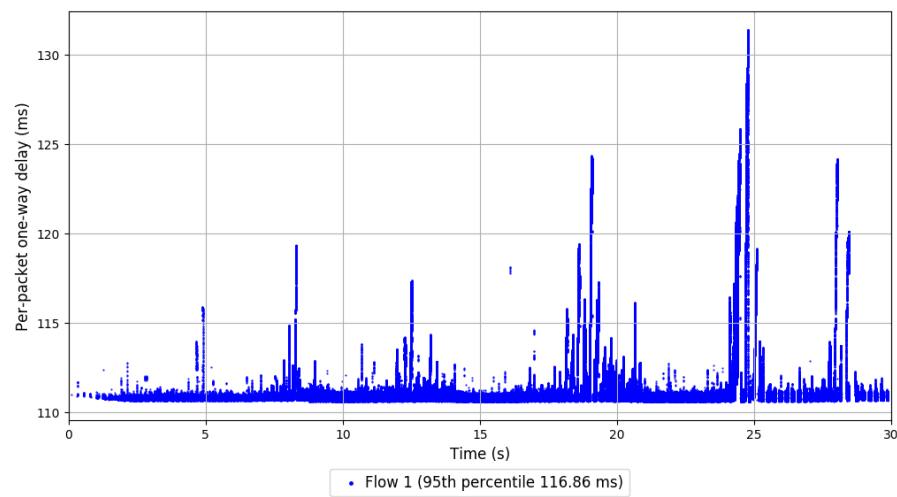
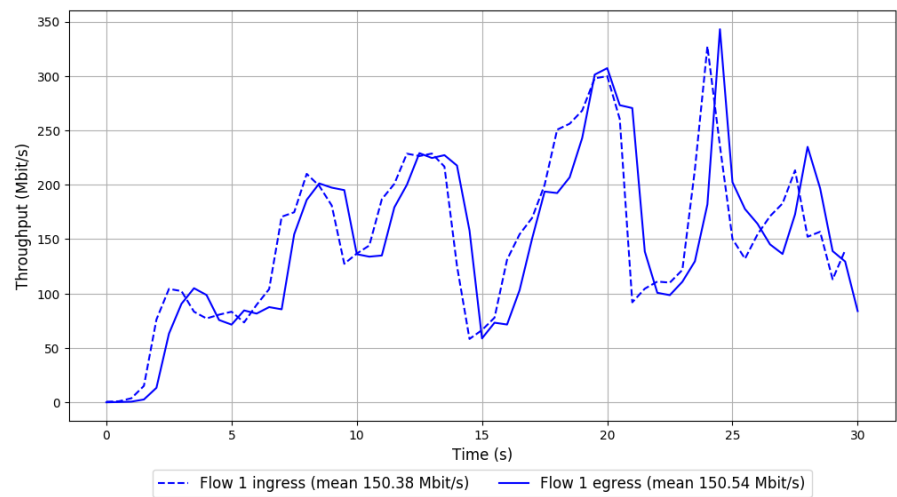
-- Flow 1:

Average throughput: 150.54 Mbit/s

95th percentile per-packet one-way delay: 116.863 ms

Loss rate: 0.64%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-18 13:32:03

End at: 2018-07-18 13:32:33

Local clock offset: 0.106 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-18 14:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.45 Mbit/s

95th percentile per-packet one-way delay: 120.493 ms

Loss rate: 0.63%

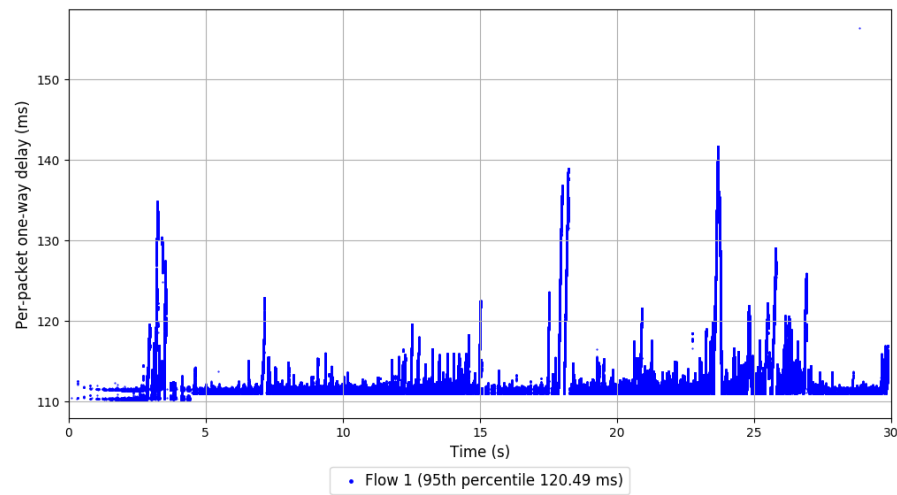
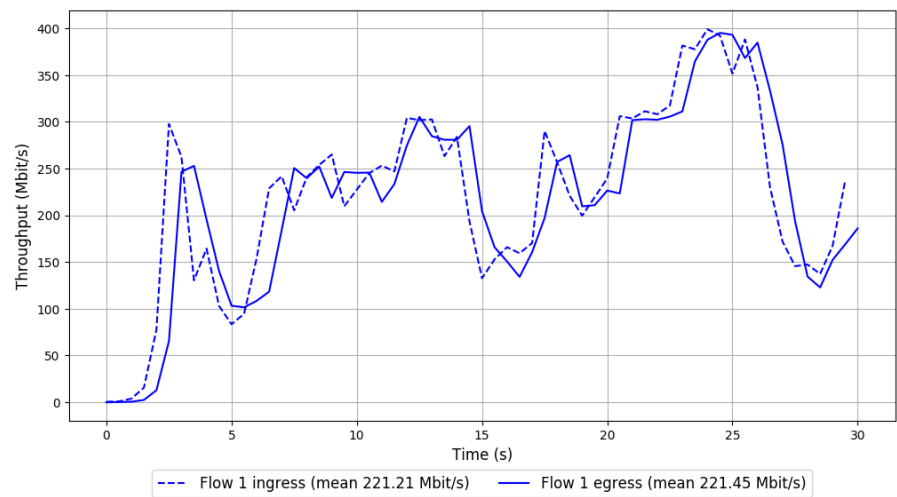
-- Flow 1:

Average throughput: 221.45 Mbit/s

95th percentile per-packet one-way delay: 120.493 ms

Loss rate: 0.63%

Run 9: Report of Copa — Data Link

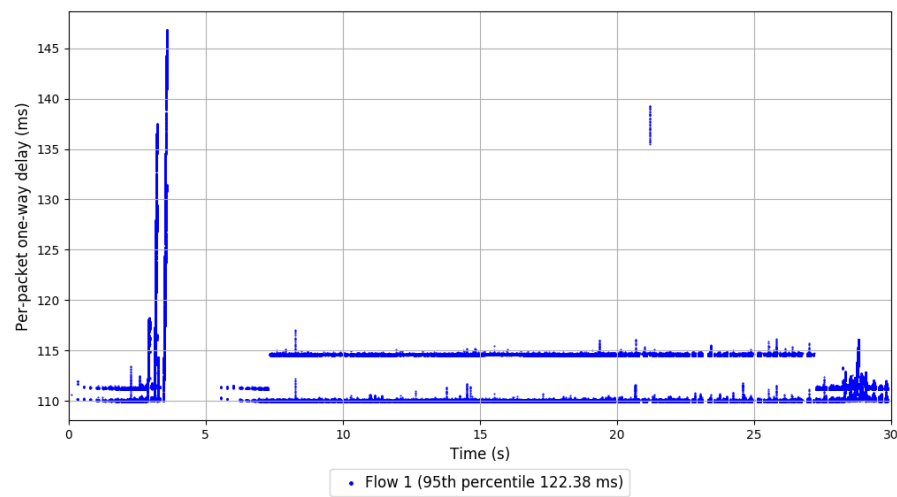
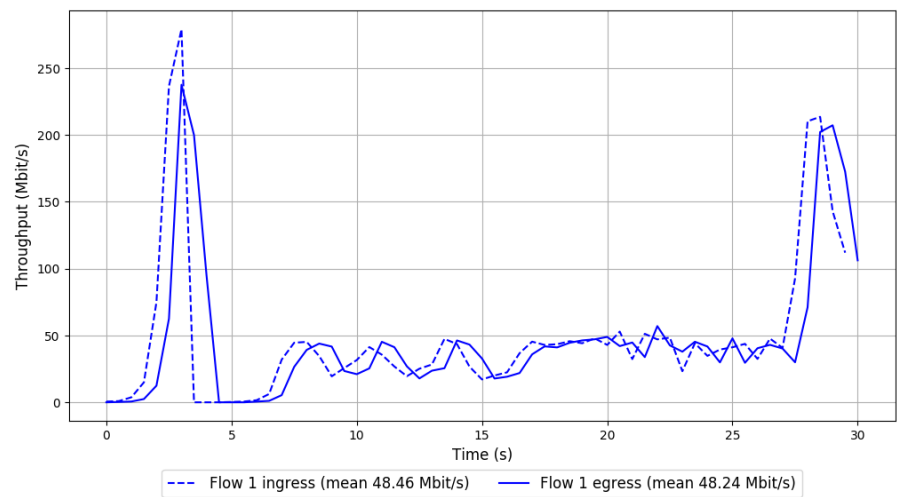


Run 10: Statistics of Copa

Start at: 2018-07-18 13:54:40
End at: 2018-07-18 13:55:10
Local clock offset: -0.172 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-18 14:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 122.377 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 122.377 ms
Loss rate: 1.19%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 10:26:25

End at: 2018-07-18 10:26:55

Local clock offset: -0.081 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-18 14:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.14 Mbit/s

95th percentile per-packet one-way delay: 113.938 ms

Loss rate: 0.70%

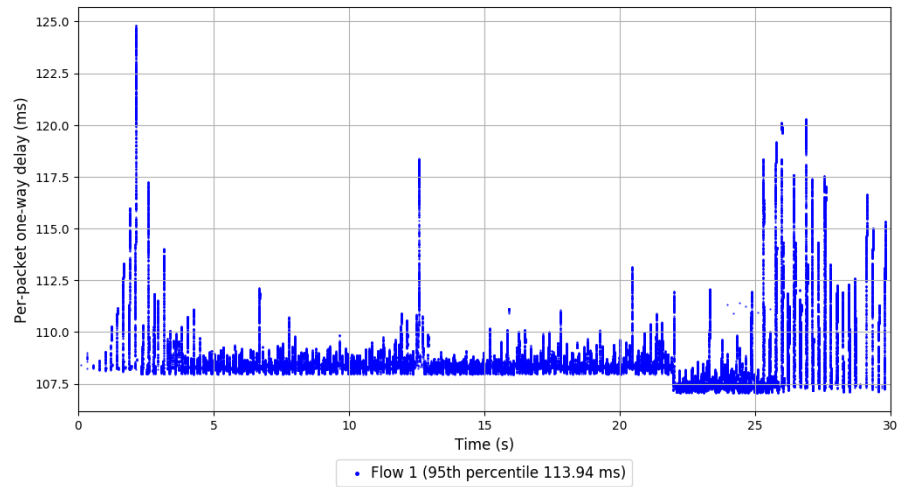
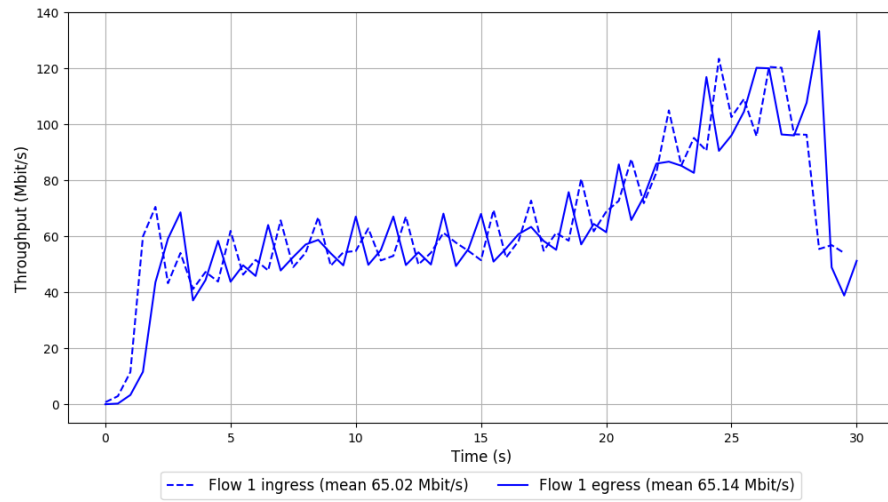
-- Flow 1:

Average throughput: 65.14 Mbit/s

95th percentile per-packet one-way delay: 113.938 ms

Loss rate: 0.70%

Run 1: Report of TCP Cubic — Data Link

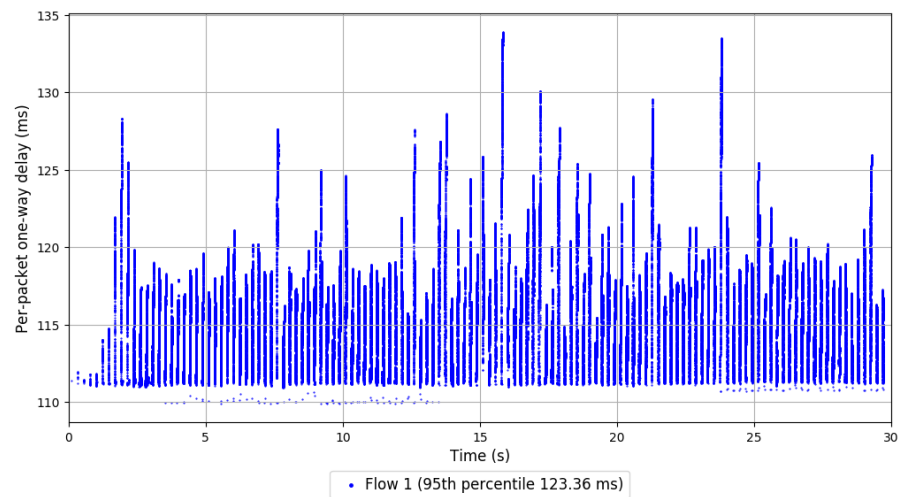
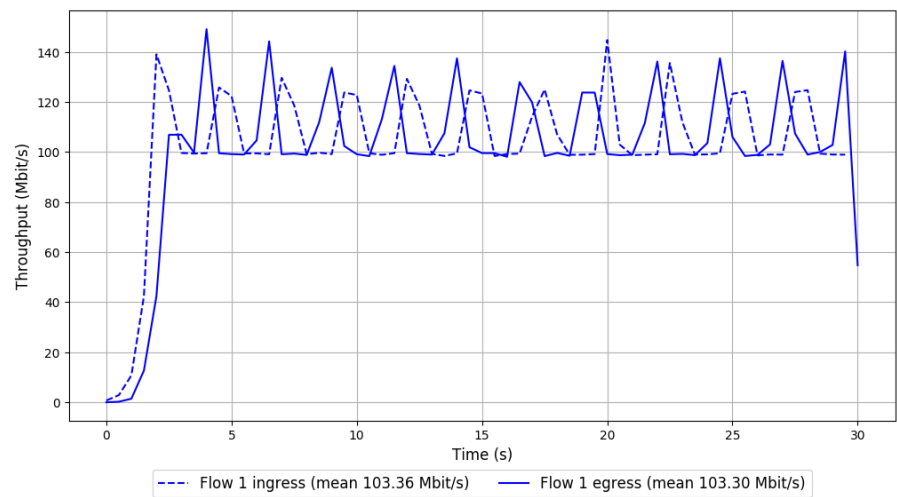


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 10:48:44
End at: 2018-07-18 10:49:14
Local clock offset: -0.319 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-18 14:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.30 Mbit/s
95th percentile per-packet one-way delay: 123.363 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 103.30 Mbit/s
95th percentile per-packet one-way delay: 123.363 ms
Loss rate: 0.80%

Run 2: Report of TCP Cubic — Data Link

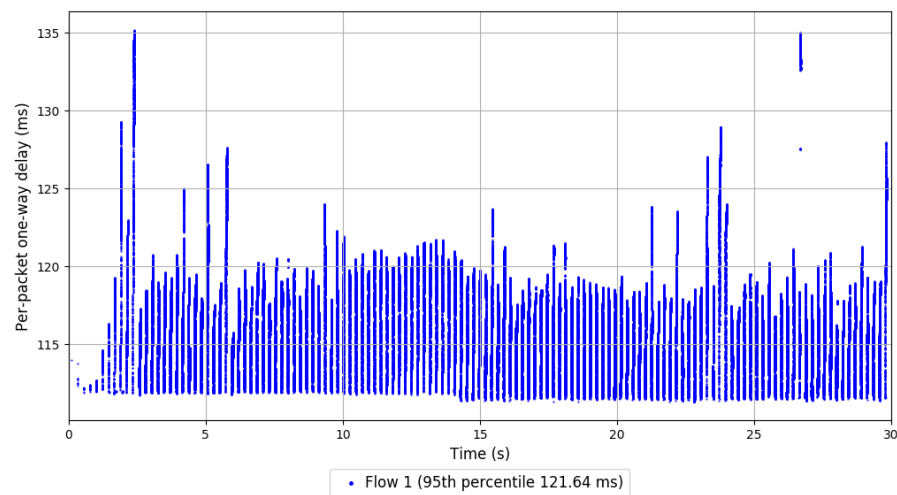
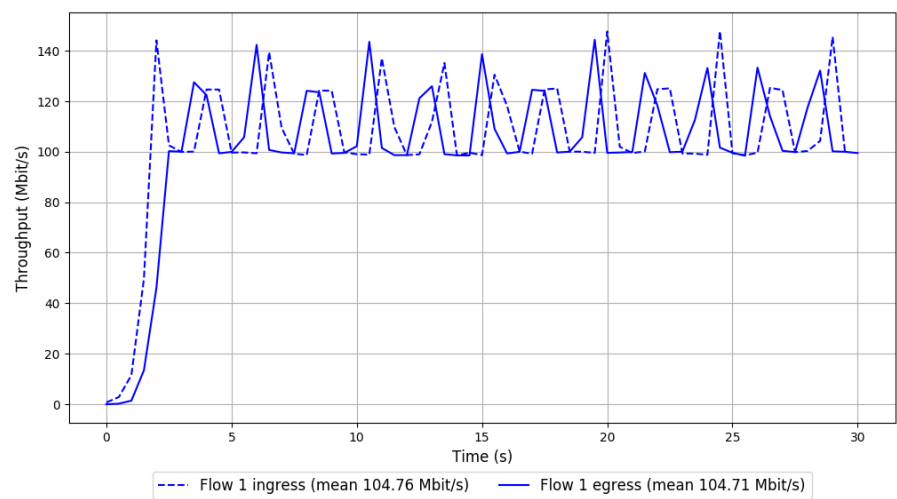


Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 11:11:23
End at: 2018-07-18 11:11:53
Local clock offset: -0.004 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-07-18 14:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.71 Mbit/s
95th percentile per-packet one-way delay: 121.635 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 104.71 Mbit/s
95th percentile per-packet one-way delay: 121.635 ms
Loss rate: 0.79%

Run 3: Report of TCP Cubic — Data Link

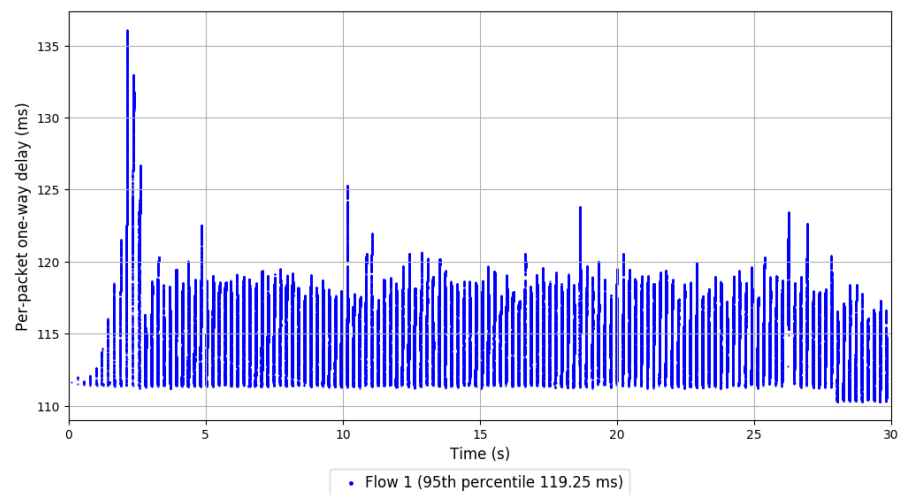
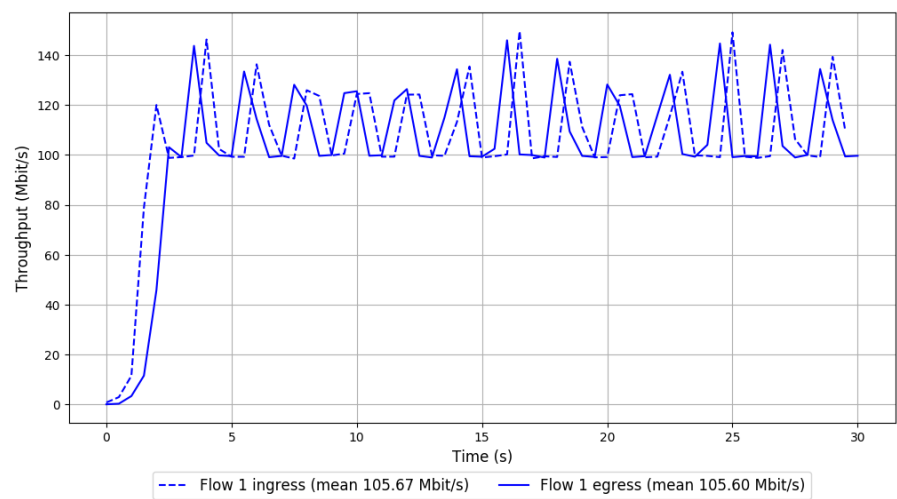


Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 11:33:59
End at: 2018-07-18 11:34:29
Local clock offset: -0.099 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-18 14:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.60 Mbit/s
95th percentile per-packet one-way delay: 119.246 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 105.60 Mbit/s
95th percentile per-packet one-way delay: 119.246 ms
Loss rate: 0.79%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-18 11:56:30

End at: 2018-07-18 11:57:00

Local clock offset: -0.047 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-18 14:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 120.750 ms

Loss rate: 1.28%

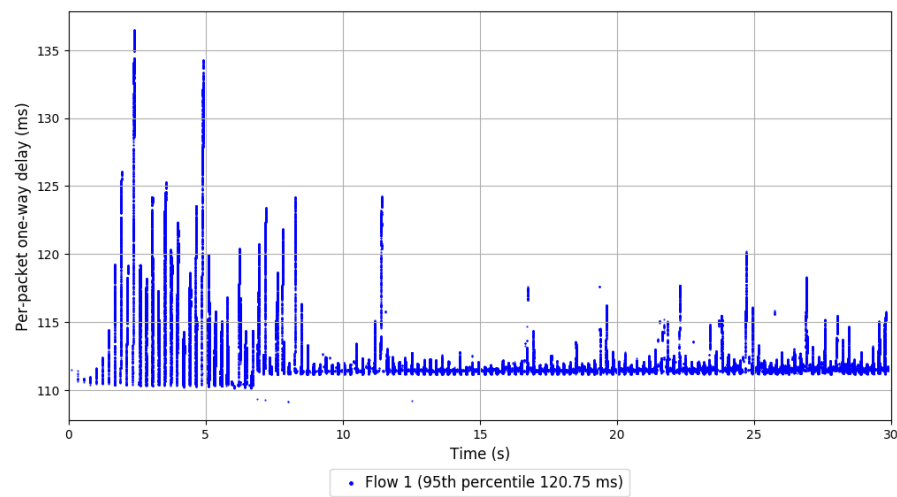
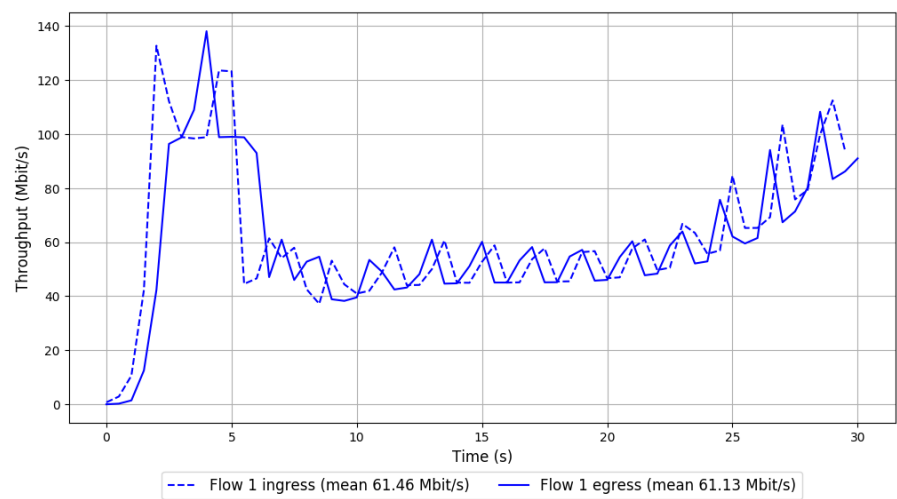
-- Flow 1:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 120.750 ms

Loss rate: 1.28%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-18 12:19:03

End at: 2018-07-18 12:19:33

Local clock offset: -0.233 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-07-18 14:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.84 Mbit/s

95th percentile per-packet one-way delay: 116.780 ms

Loss rate: 1.14%

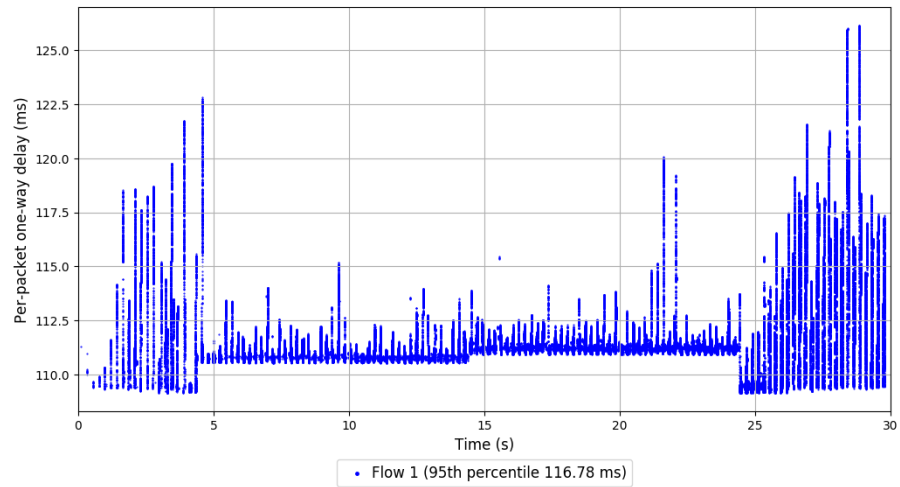
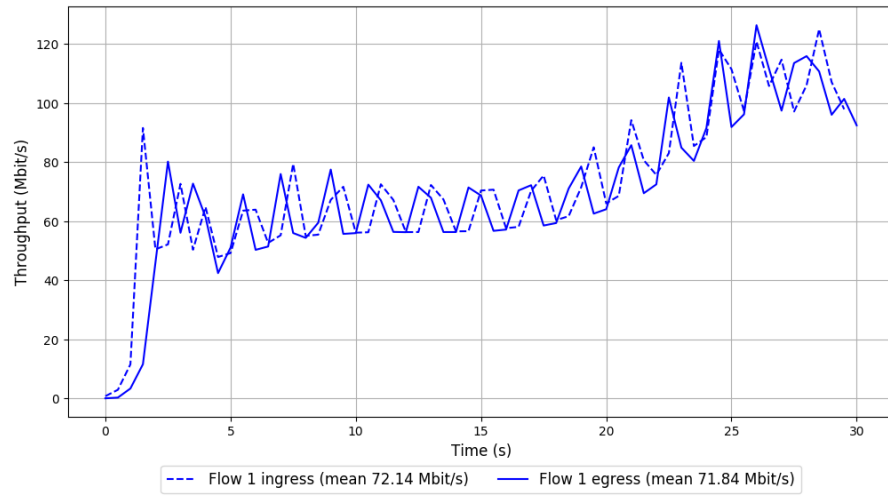
-- Flow 1:

Average throughput: 71.84 Mbit/s

95th percentile per-packet one-way delay: 116.780 ms

Loss rate: 1.14%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 12:41:49

End at: 2018-07-18 12:42:19

Local clock offset: -0.35 ms

Remote clock offset: 0.231 ms

Below is generated by plot.py at 2018-07-18 14:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 118.384 ms

Loss rate: 1.22%

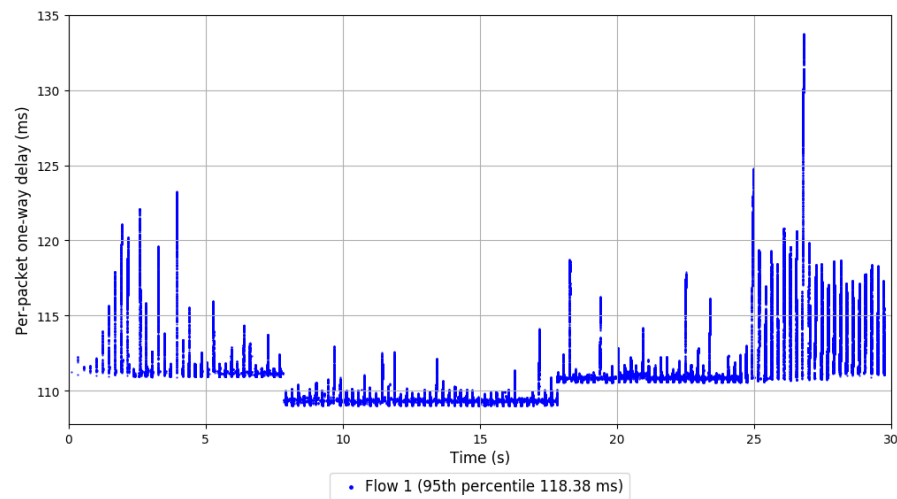
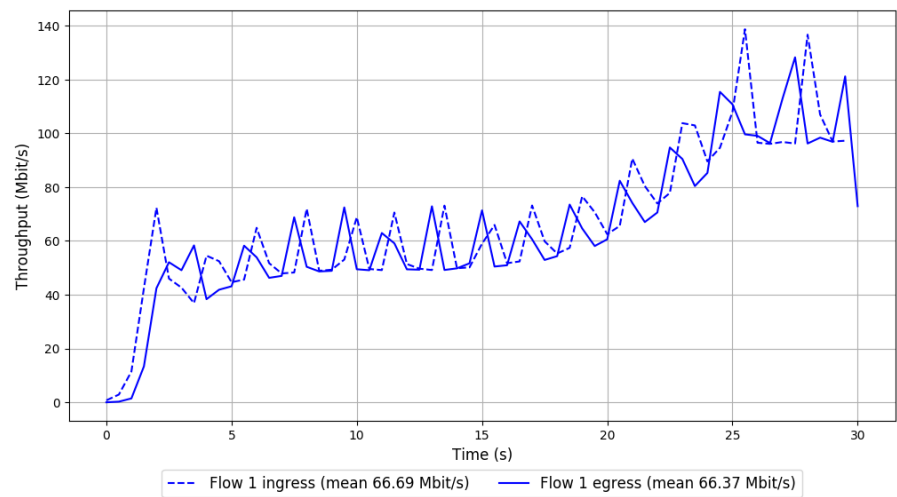
-- Flow 1:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 118.384 ms

Loss rate: 1.22%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 13:04:24

End at: 2018-07-18 13:04:54

Local clock offset: 0.057 ms

Remote clock offset: 0.705 ms

Below is generated by plot.py at 2018-07-18 14:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 117.456 ms

Loss rate: 0.60%

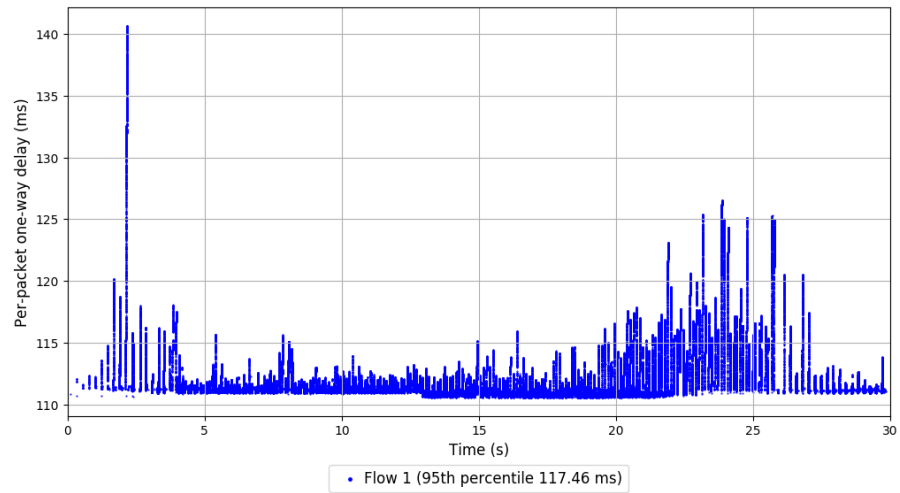
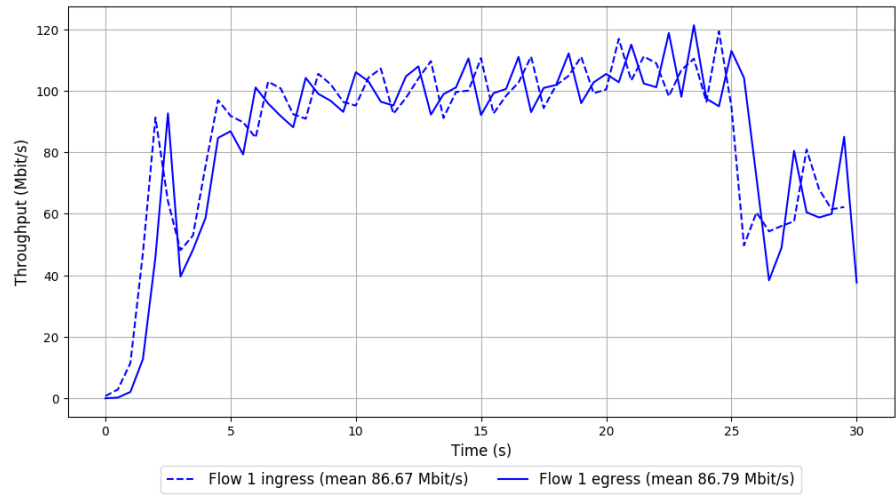
-- Flow 1:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 117.456 ms

Loss rate: 0.60%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 13:27:08

End at: 2018-07-18 13:27:39

Local clock offset: -0.065 ms

Remote clock offset: 0.423 ms

Below is generated by plot.py at 2018-07-18 14:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.14 Mbit/s

95th percentile per-packet one-way delay: 123.718 ms

Loss rate: 0.57%

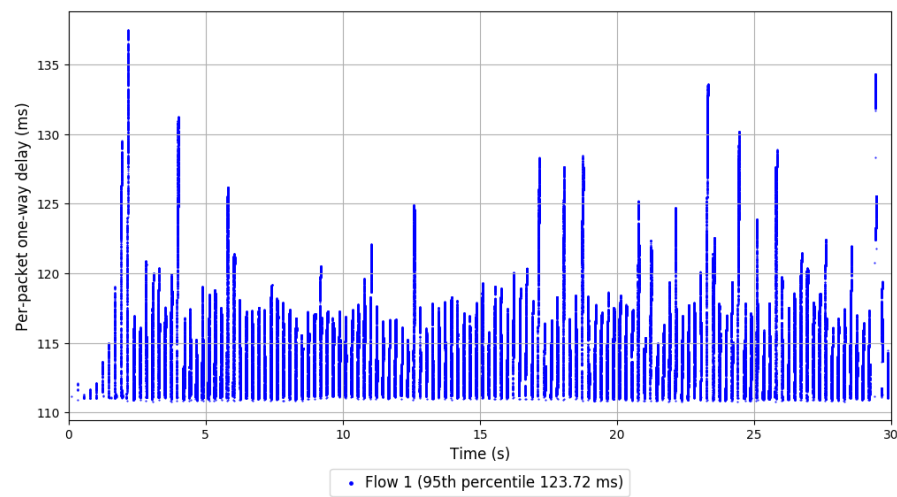
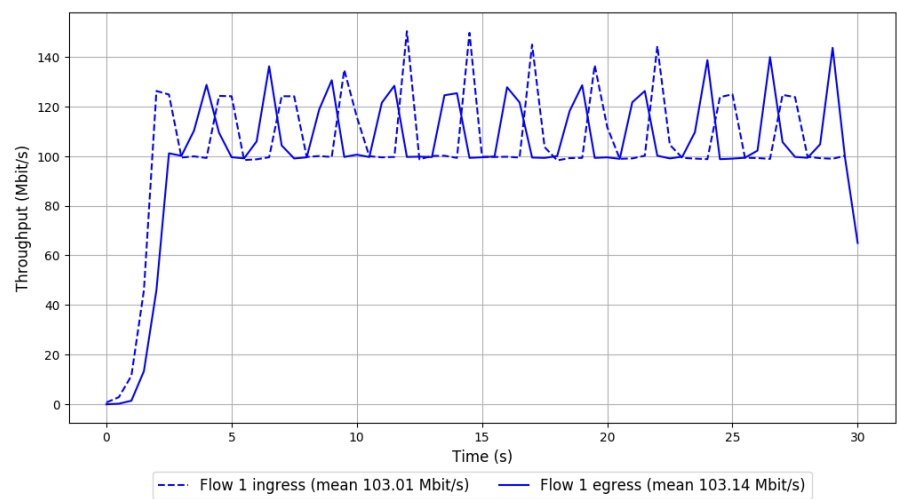
-- Flow 1:

Average throughput: 103.14 Mbit/s

95th percentile per-packet one-way delay: 123.718 ms

Loss rate: 0.57%

Run 9: Report of TCP Cubic — Data Link

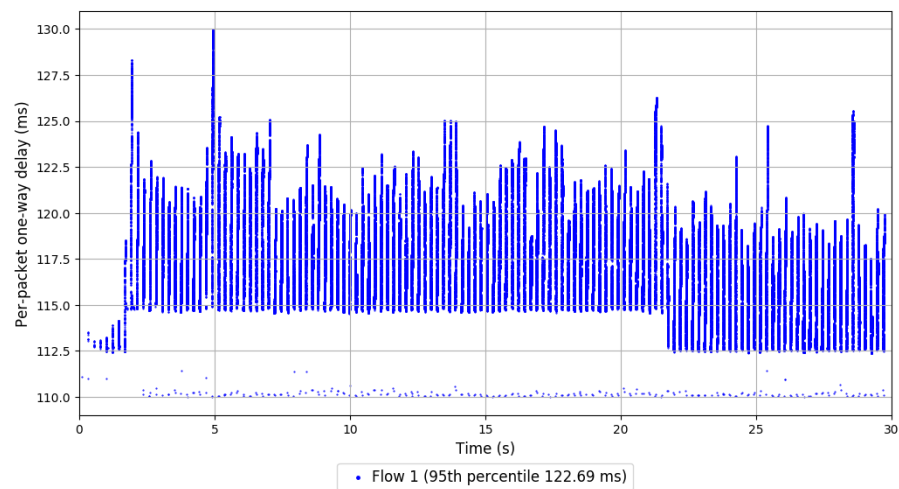
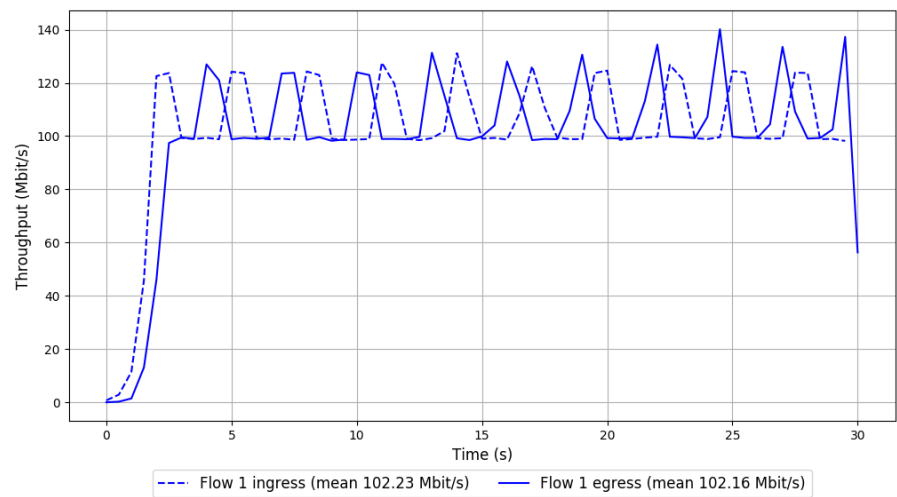


Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 13:49:55
End at: 2018-07-18 13:50:25
Local clock offset: -0.151 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-18 14:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.16 Mbit/s
95th percentile per-packet one-way delay: 122.690 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 102.16 Mbit/s
95th percentile per-packet one-way delay: 122.690 ms
Loss rate: 0.80%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-18 10:34:13

End at: 2018-07-18 10:34:43

Local clock offset: -1.471 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-07-18 14:43:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 786.66 Mbit/s

95th percentile per-packet one-way delay: 229.658 ms

Loss rate: 2.81%

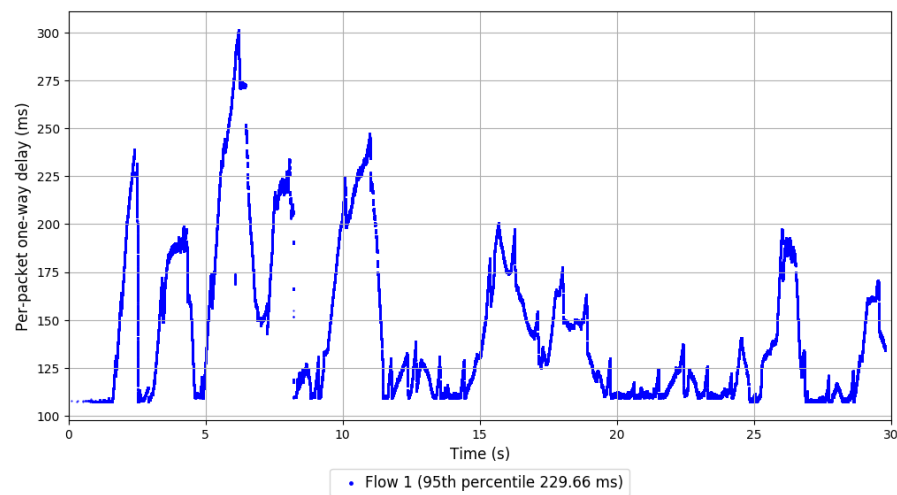
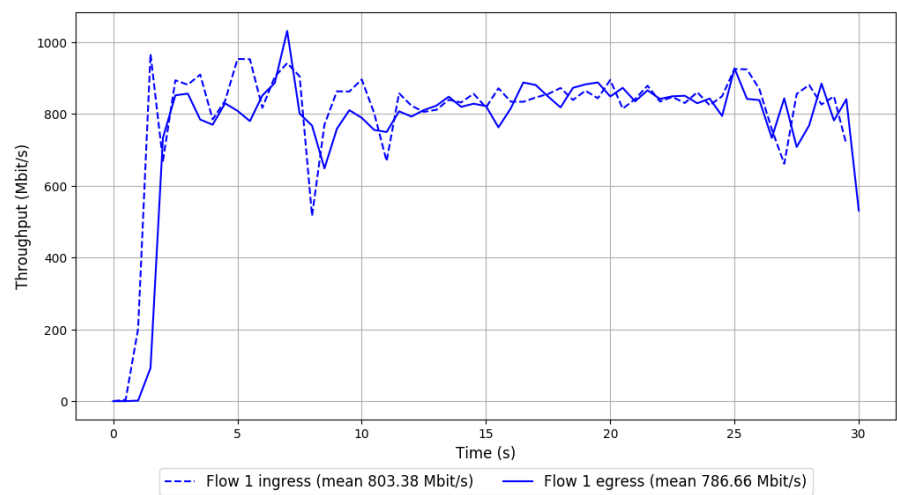
-- Flow 1:

Average throughput: 786.66 Mbit/s

95th percentile per-packet one-way delay: 229.658 ms

Loss rate: 2.81%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-18 10:56:46

End at: 2018-07-18 10:57:16

Local clock offset: -0.275 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-07-18 14:43:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 827.72 Mbit/s

95th percentile per-packet one-way delay: 270.821 ms

Loss rate: 0.99%

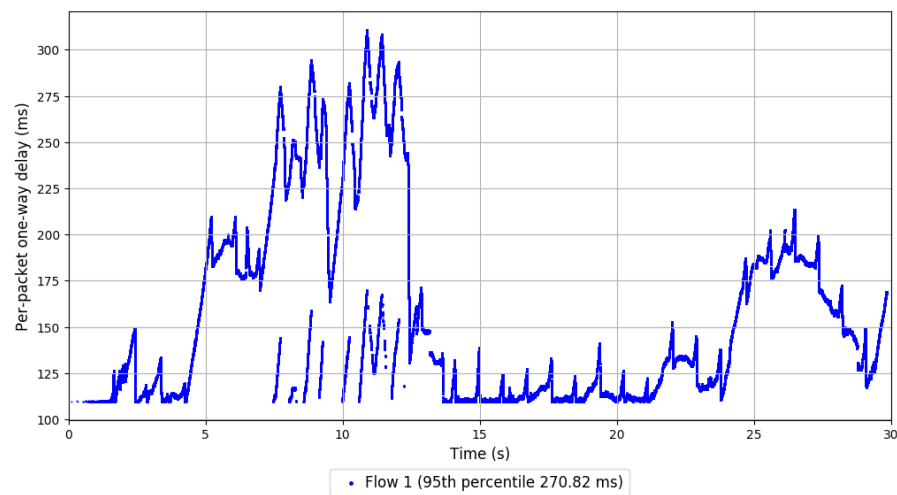
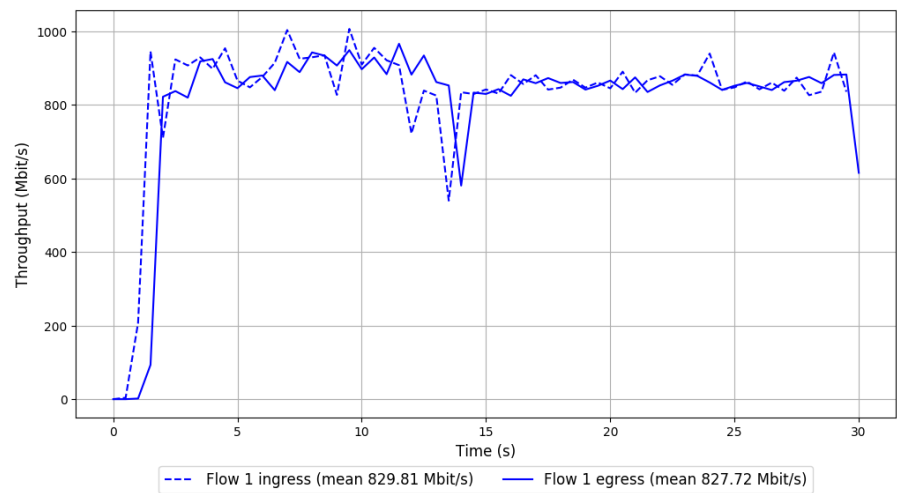
-- Flow 1:

Average throughput: 827.72 Mbit/s

95th percentile per-packet one-way delay: 270.821 ms

Loss rate: 0.99%

Run 2: Report of FillP — Data Link

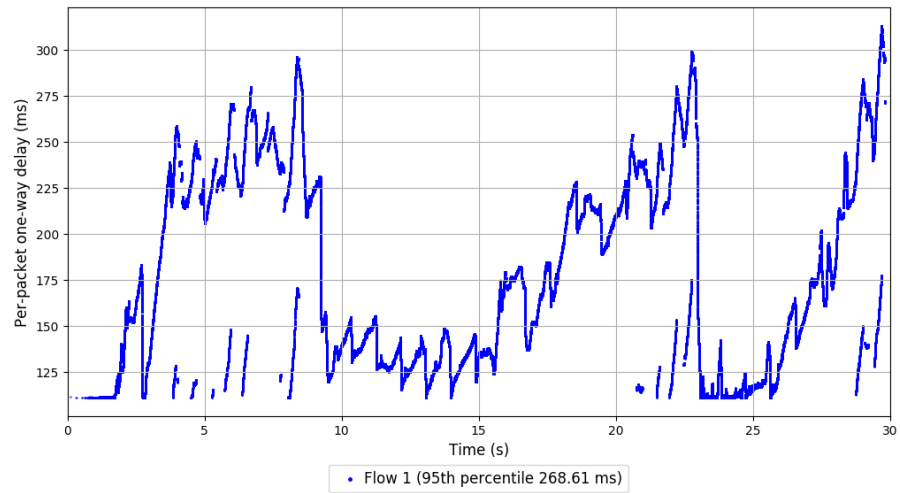
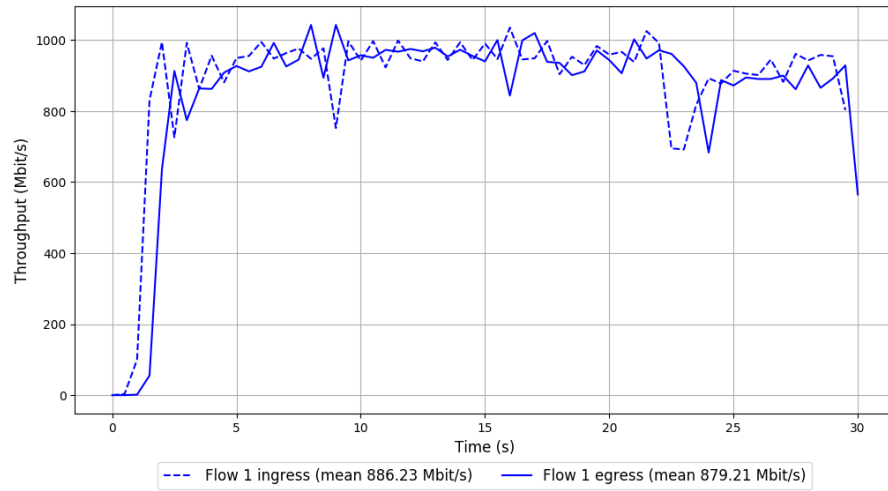


Run 3: Statistics of FillP

Start at: 2018-07-18 11:19:19
End at: 2018-07-18 11:19:49
Local clock offset: -0.182 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-07-18 14:44:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 879.21 Mbit/s
95th percentile per-packet one-way delay: 268.605 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 879.21 Mbit/s
95th percentile per-packet one-way delay: 268.605 ms
Loss rate: 1.53%

Run 3: Report of FillP — Data Link

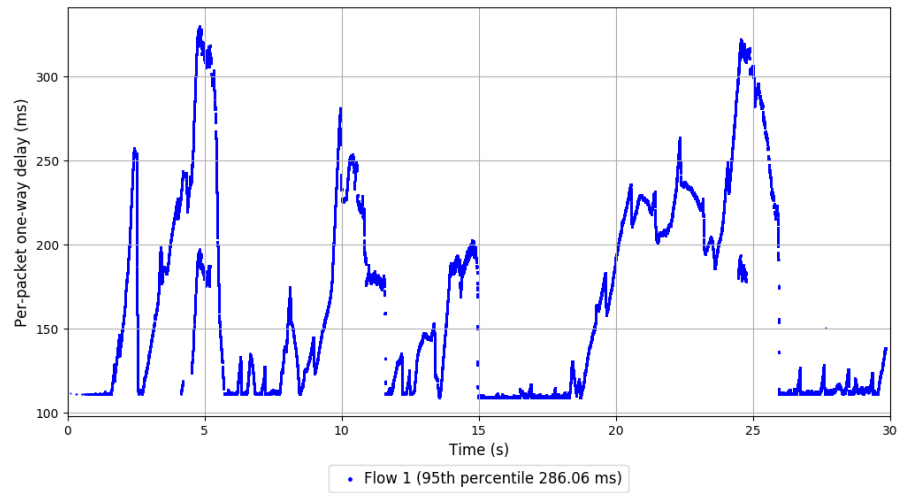
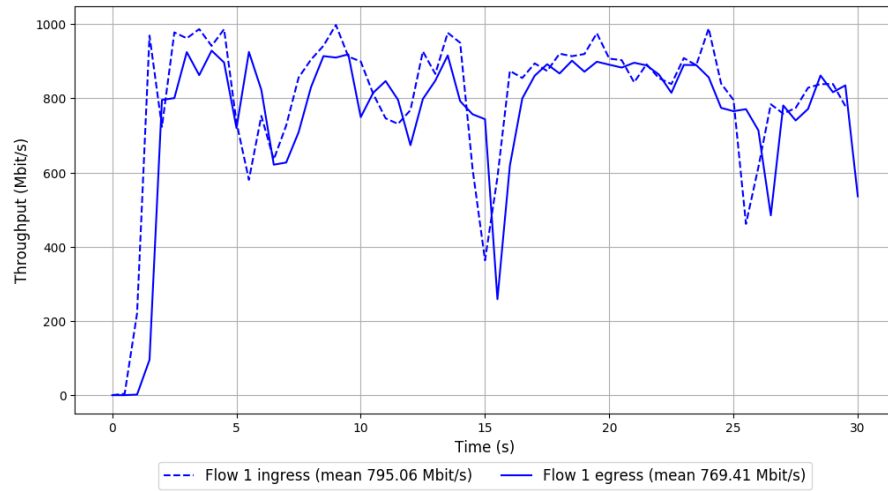


Run 4: Statistics of FillP

Start at: 2018-07-18 11:41:54
End at: 2018-07-18 11:42:24
Local clock offset: -0.084 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-18 14:44:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 769.41 Mbit/s
95th percentile per-packet one-way delay: 286.057 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 769.41 Mbit/s
95th percentile per-packet one-way delay: 286.057 ms
Loss rate: 3.95%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-18 12:04:31

End at: 2018-07-18 12:05:01

Local clock offset: -1.369 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-18 14:44:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 785.31 Mbit/s

95th percentile per-packet one-way delay: 309.598 ms

Loss rate: 2.72%

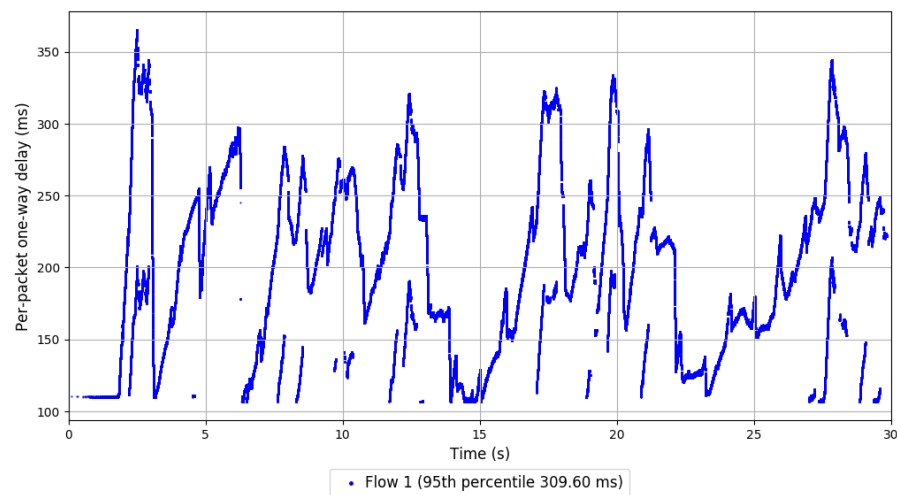
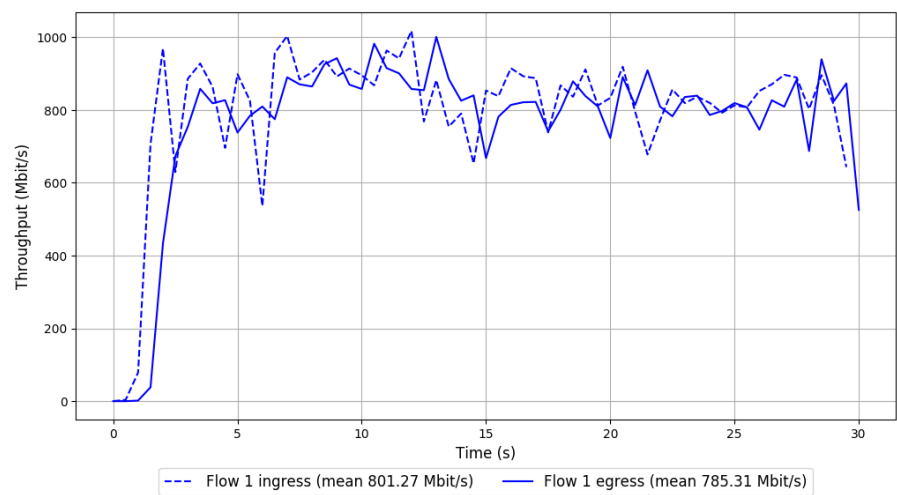
-- Flow 1:

Average throughput: 785.31 Mbit/s

95th percentile per-packet one-way delay: 309.598 ms

Loss rate: 2.72%

Run 5: Report of FillP — Data Link

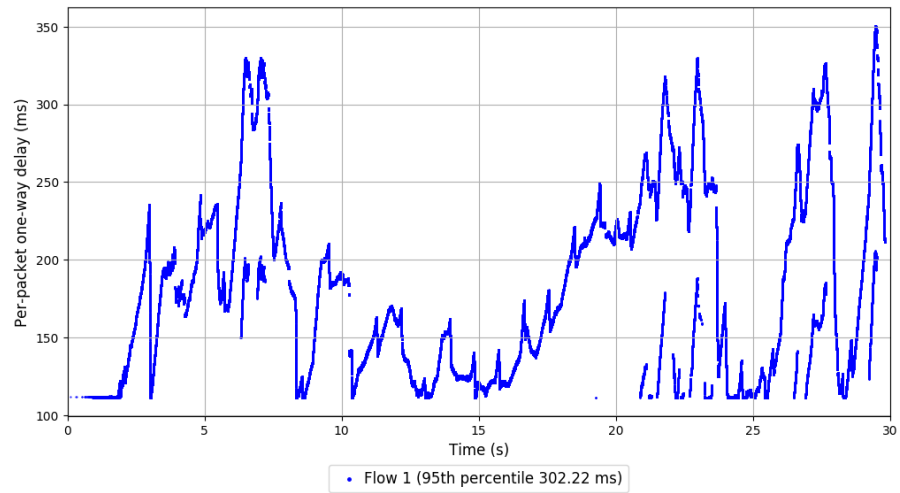
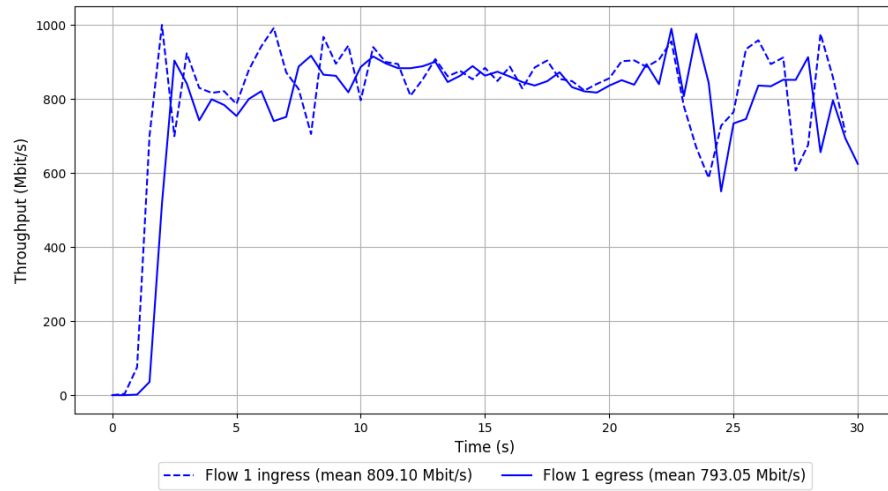


Run 6: Statistics of FillP

Start at: 2018-07-18 12:26:58
End at: 2018-07-18 12:27:28
Local clock offset: 0.039 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-18 14:44:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 793.05 Mbit/s
95th percentile per-packet one-way delay: 302.222 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 793.05 Mbit/s
95th percentile per-packet one-way delay: 302.222 ms
Loss rate: 2.71%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-18 12:49:44

End at: 2018-07-18 12:50:14

Local clock offset: -0.216 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-07-18 14:44:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 785.56 Mbit/s

95th percentile per-packet one-way delay: 284.007 ms

Loss rate: 1.87%

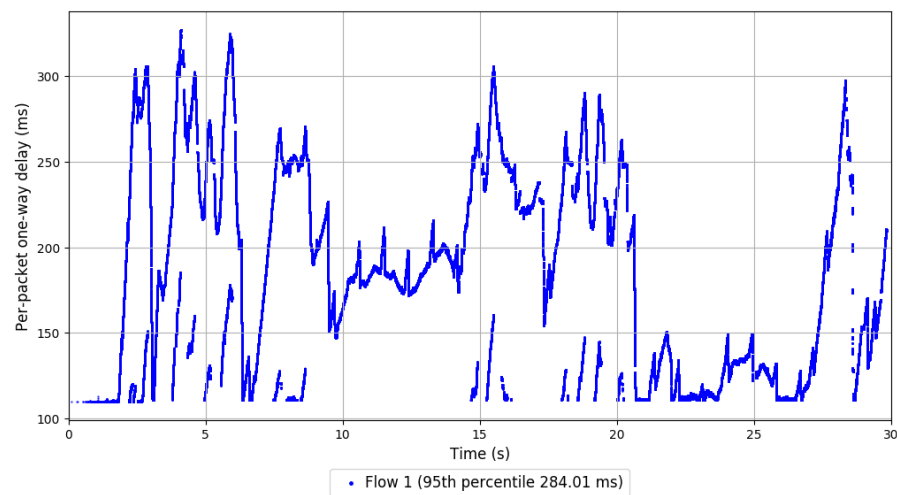
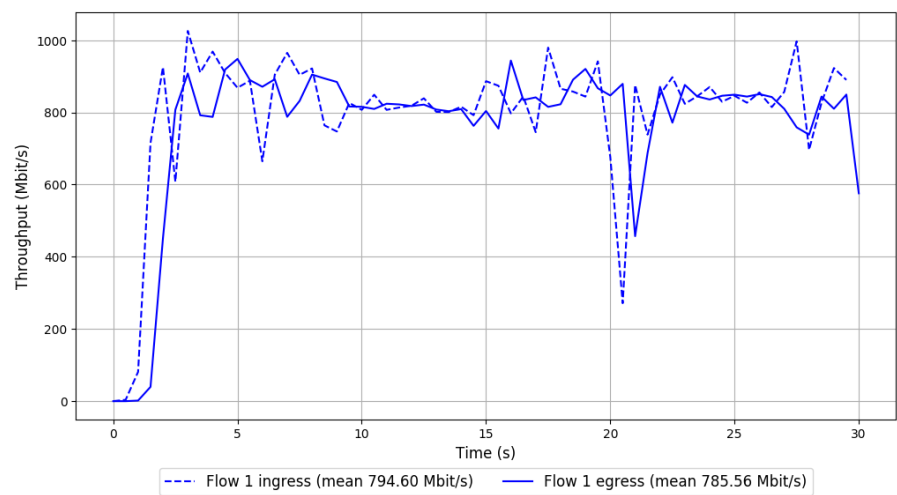
-- Flow 1:

Average throughput: 785.56 Mbit/s

95th percentile per-packet one-way delay: 284.007 ms

Loss rate: 1.87%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-18 13:12:21

End at: 2018-07-18 13:12:51

Local clock offset: 0.084 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2018-07-18 14:44:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 733.76 Mbit/s

95th percentile per-packet one-way delay: 279.820 ms

Loss rate: 2.10%

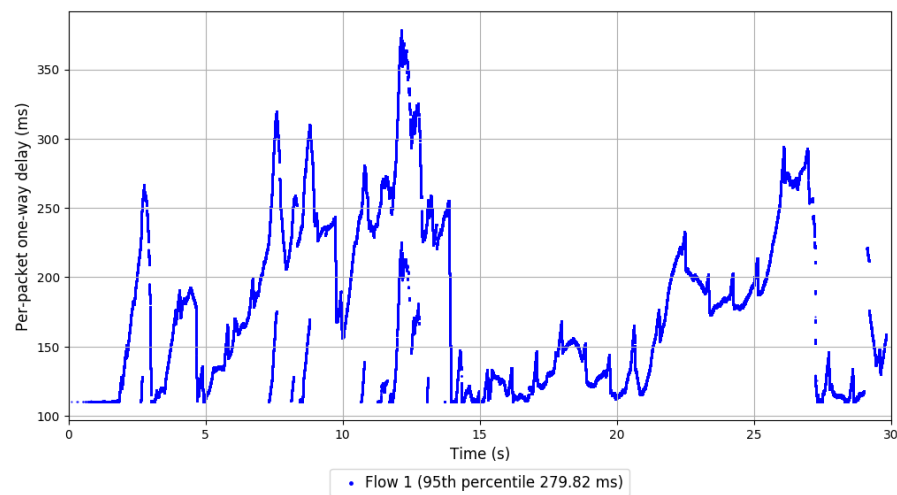
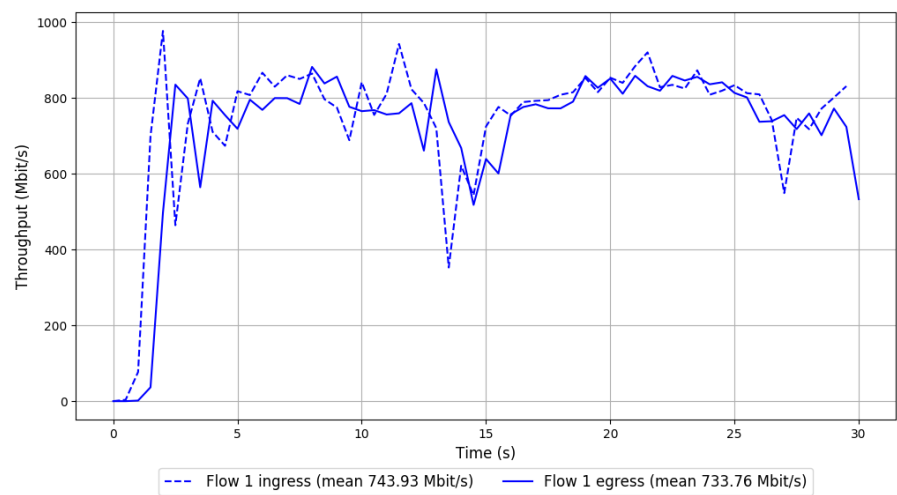
-- Flow 1:

Average throughput: 733.76 Mbit/s

95th percentile per-packet one-way delay: 279.820 ms

Loss rate: 2.10%

Run 8: Report of FillP — Data Link

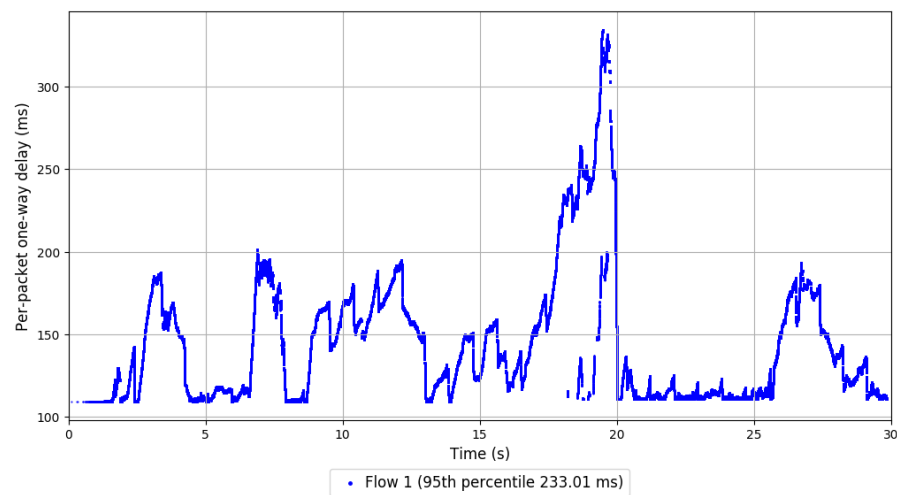
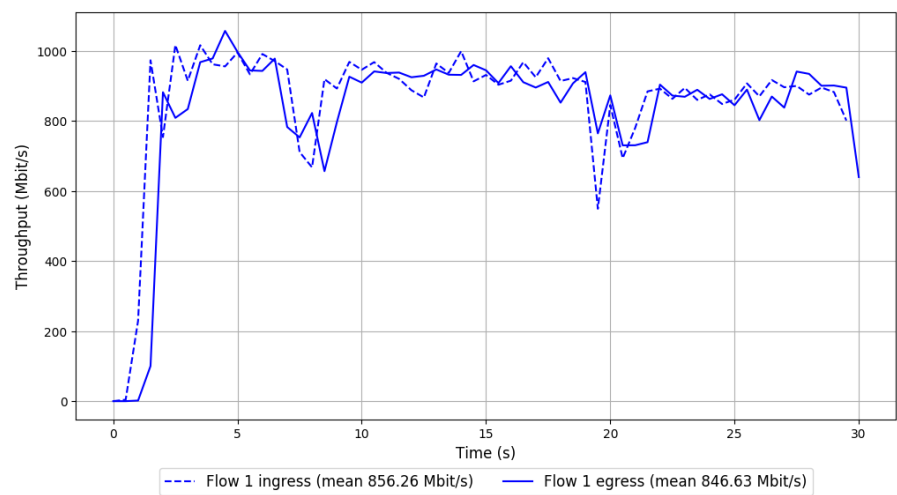


Run 9: Statistics of FillP

Start at: 2018-07-18 13:35:11
End at: 2018-07-18 13:35:41
Local clock offset: 0.056 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-18 14:59:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 846.63 Mbit/s
95th percentile per-packet one-way delay: 233.008 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 846.63 Mbit/s
95th percentile per-packet one-way delay: 233.008 ms
Loss rate: 1.85%

Run 9: Report of FillP — Data Link

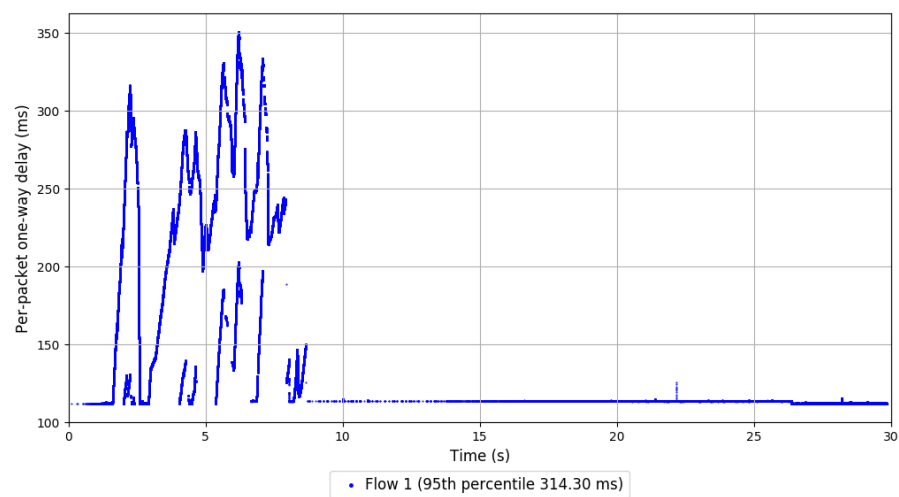
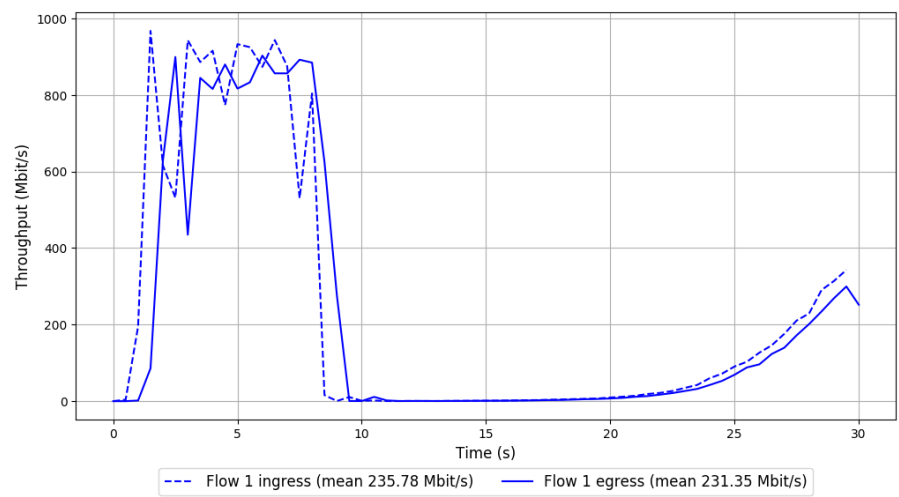


Run 10: Statistics of FillP

Start at: 2018-07-18 13:57:31
End at: 2018-07-18 13:58:01
Local clock offset: 1.408 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-07-18 14:59:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.35 Mbit/s
95th percentile per-packet one-way delay: 314.303 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 231.35 Mbit/s
95th percentile per-packet one-way delay: 314.303 ms
Loss rate: 2.61%

Run 10: Report of FillP — Data Link

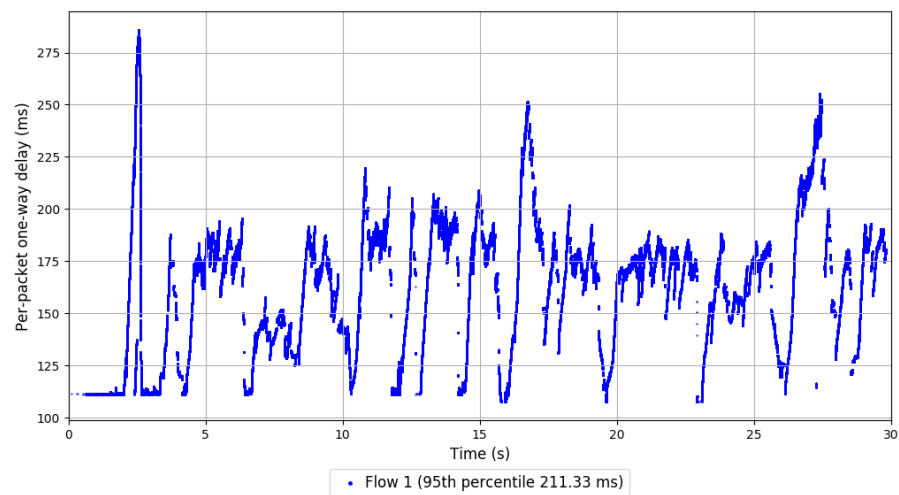
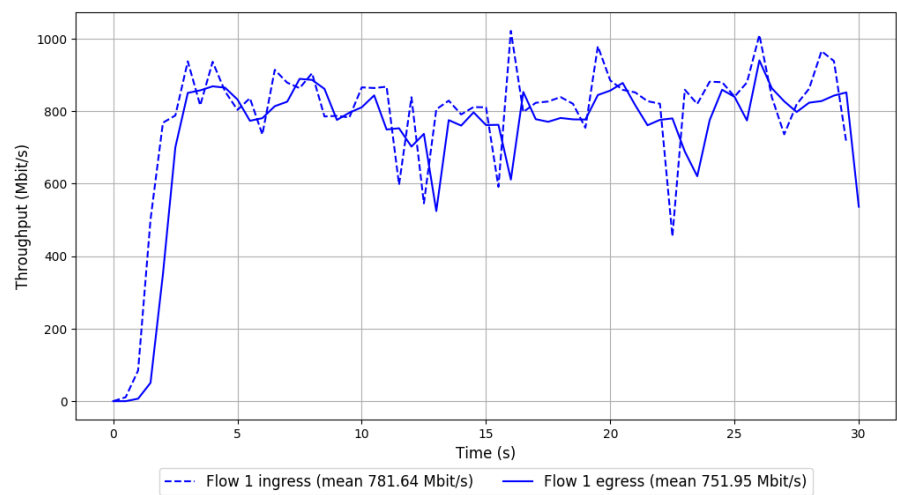


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 10:32:31
End at: 2018-07-18 10:33:01
Local clock offset: -0.306 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-18 14:59:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 751.95 Mbit/s
95th percentile per-packet one-way delay: 211.327 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 751.95 Mbit/s
95th percentile per-packet one-way delay: 211.327 ms
Loss rate: 4.52%

Run 1: Report of FillP-Sheep — Data Link

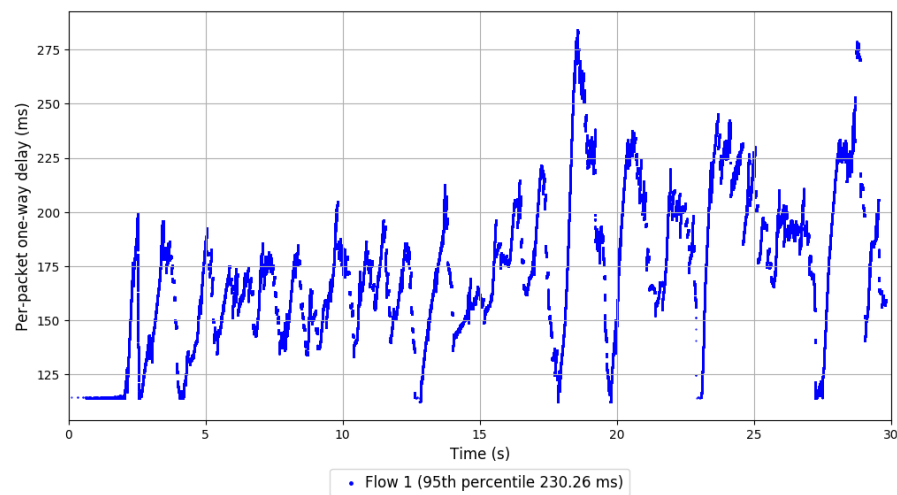
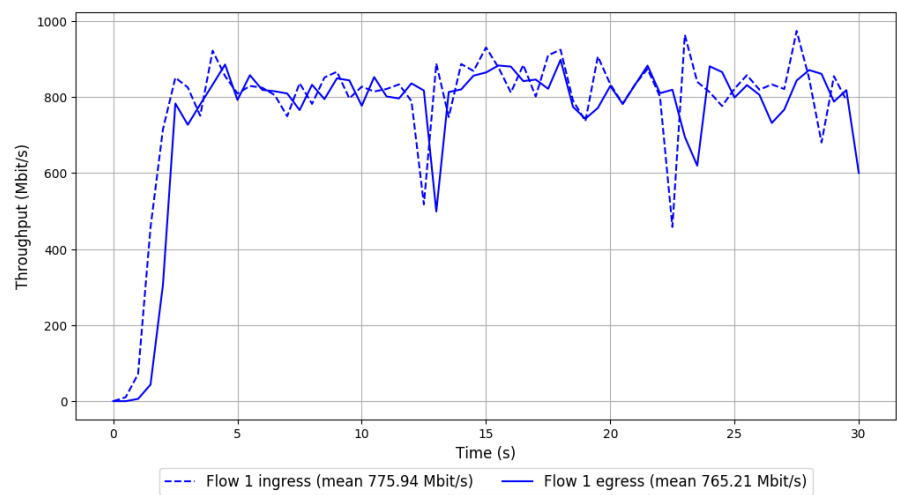


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 10:55:04
End at: 2018-07-18 10:55:34
Local clock offset: 1.181 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-07-18 14:59:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 765.21 Mbit/s
95th percentile per-packet one-way delay: 230.258 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 765.21 Mbit/s
95th percentile per-packet one-way delay: 230.258 ms
Loss rate: 2.13%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 11:17:36

End at: 2018-07-18 11:18:06

Local clock offset: 1.082 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-07-18 14:59:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 743.26 Mbit/s

95th percentile per-packet one-way delay: 301.007 ms

Loss rate: 2.78%

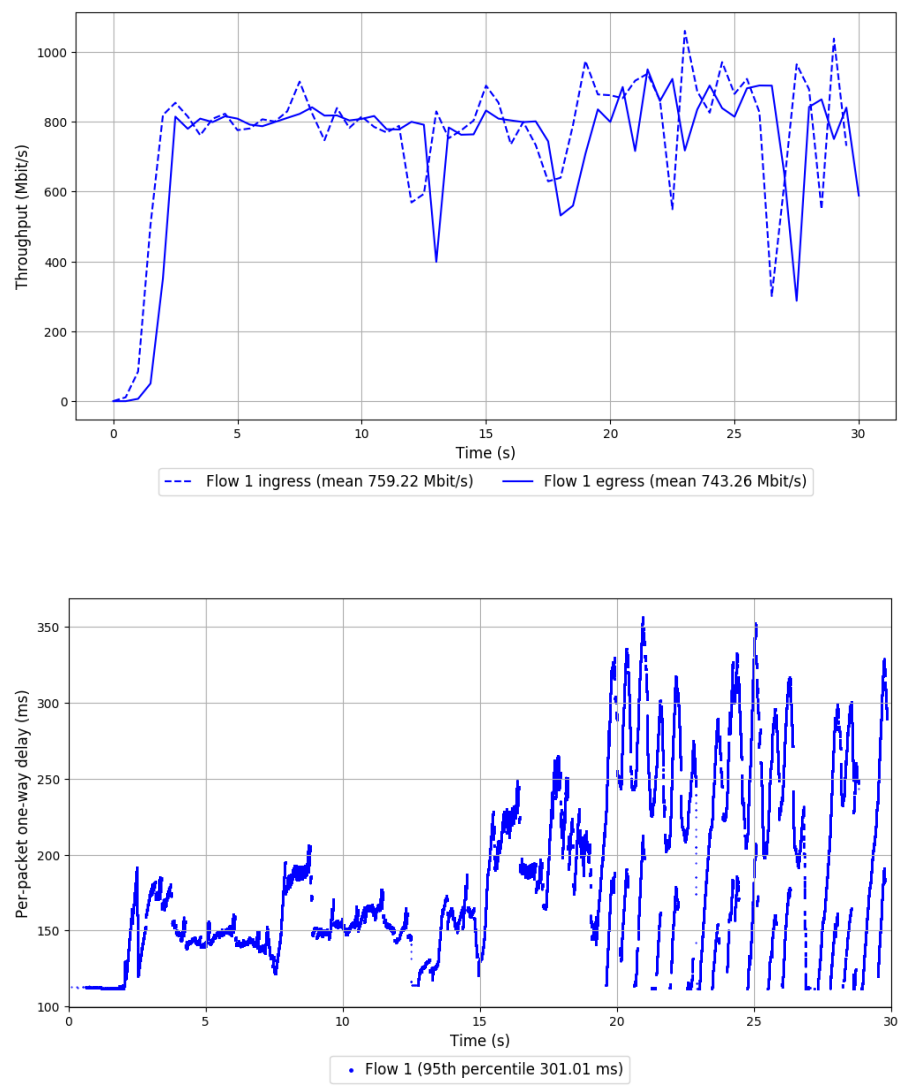
-- Flow 1:

Average throughput: 743.26 Mbit/s

95th percentile per-packet one-way delay: 301.007 ms

Loss rate: 2.78%

Run 3: Report of FillP-Sheep — Data Link

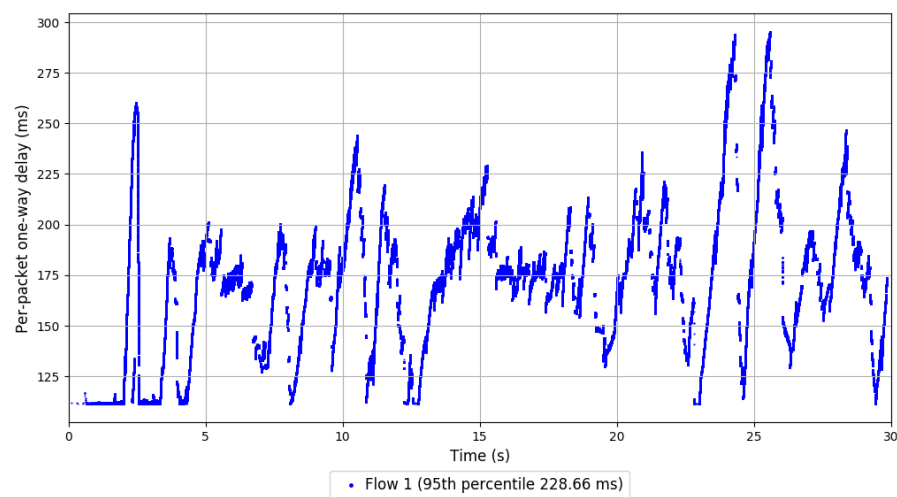
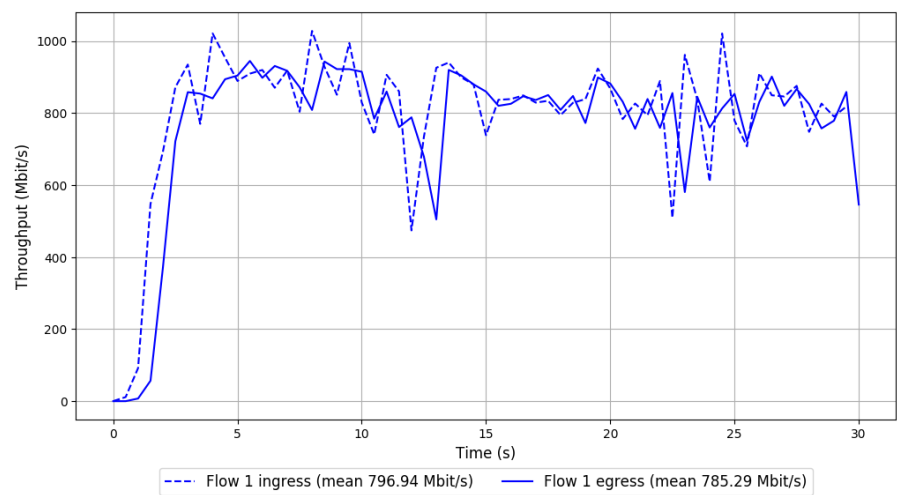


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-18 11:40:11
End at: 2018-07-18 11:40:41
Local clock offset: -0.484 ms
Remote clock offset: -0.496 ms

Below is generated by plot.py at 2018-07-18 14:59:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 785.29 Mbit/s
95th percentile per-packet one-way delay: 228.665 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 785.29 Mbit/s
95th percentile per-packet one-way delay: 228.665 ms
Loss rate: 2.19%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-18 12:02:48

End at: 2018-07-18 12:03:18

Local clock offset: 1.281 ms

Remote clock offset: 0.447 ms

Below is generated by plot.py at 2018-07-18 15:00:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 797.42 Mbit/s

95th percentile per-packet one-way delay: 226.763 ms

Loss rate: 2.44%

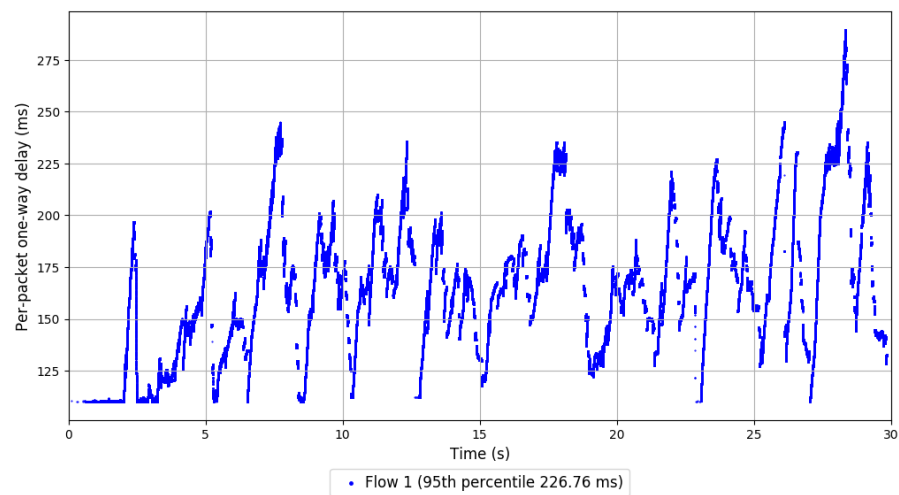
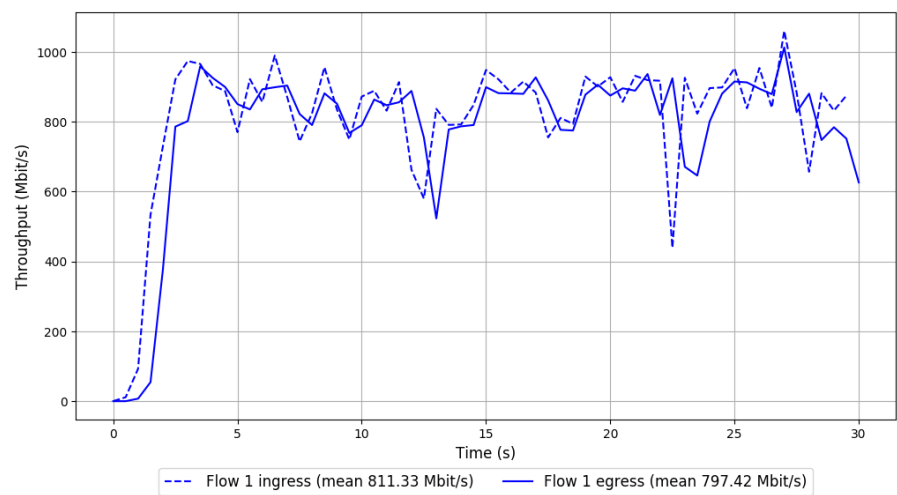
-- Flow 1:

Average throughput: 797.42 Mbit/s

95th percentile per-packet one-way delay: 226.763 ms

Loss rate: 2.44%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-18 12:25:21

End at: 2018-07-18 12:25:51

Local clock offset: -1.206 ms

Remote clock offset: 0.541 ms

Below is generated by plot.py at 2018-07-18 15:00:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.01 Mbit/s

95th percentile per-packet one-way delay: 318.114 ms

Loss rate: 4.09%

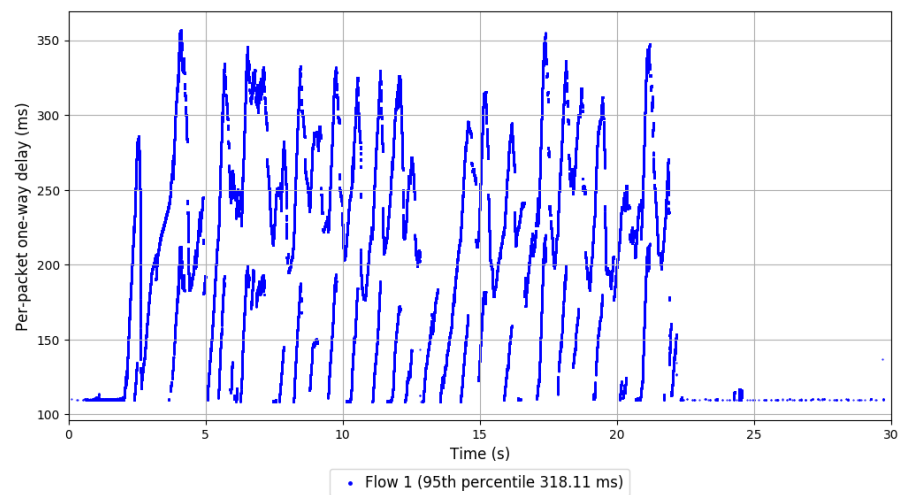
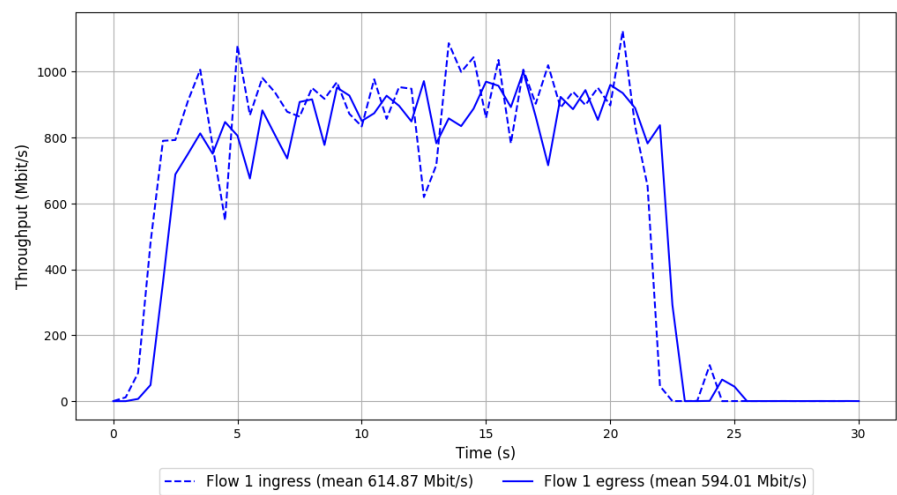
-- Flow 1:

Average throughput: 594.01 Mbit/s

95th percentile per-packet one-way delay: 318.114 ms

Loss rate: 4.09%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-18 12:48:02

End at: 2018-07-18 12:48:32

Local clock offset: 1.263 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2018-07-18 15:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 806.88 Mbit/s

95th percentile per-packet one-way delay: 255.502 ms

Loss rate: 0.01%

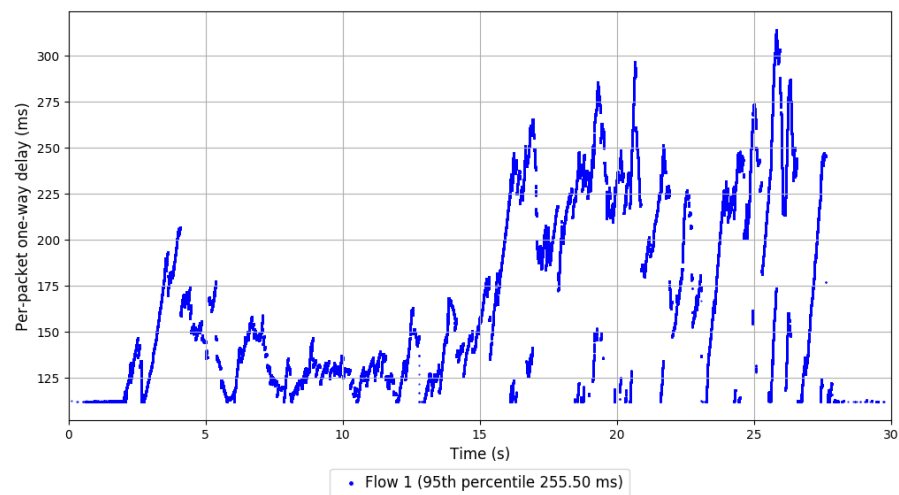
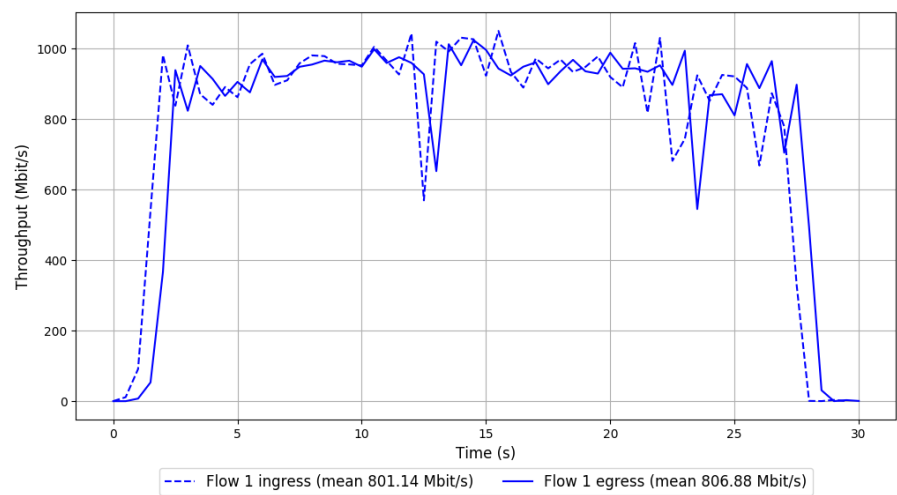
-- Flow 1:

Average throughput: 806.88 Mbit/s

95th percentile per-packet one-way delay: 255.502 ms

Loss rate: 0.01%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 13:10:40

End at: 2018-07-18 13:11:10

Local clock offset: 1.454 ms

Remote clock offset: 0.35 ms

Below is generated by plot.py at 2018-07-18 15:11:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 770.32 Mbit/s

95th percentile per-packet one-way delay: 237.538 ms

Loss rate: 1.85%

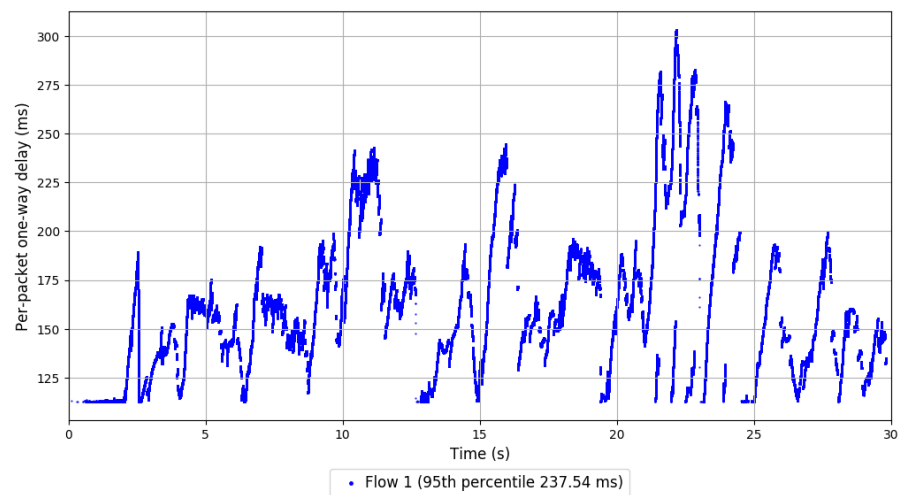
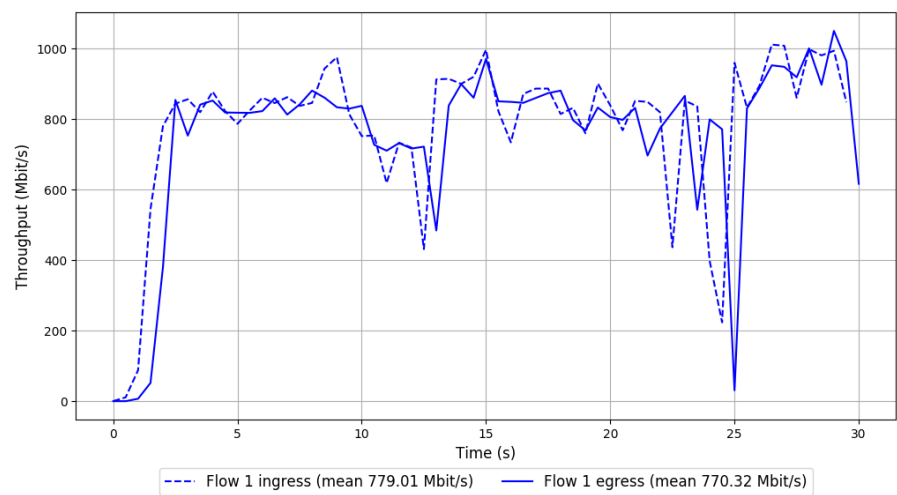
-- Flow 1:

Average throughput: 770.32 Mbit/s

95th percentile per-packet one-way delay: 237.538 ms

Loss rate: 1.85%

Run 8: Report of FillP-Sheep — Data Link

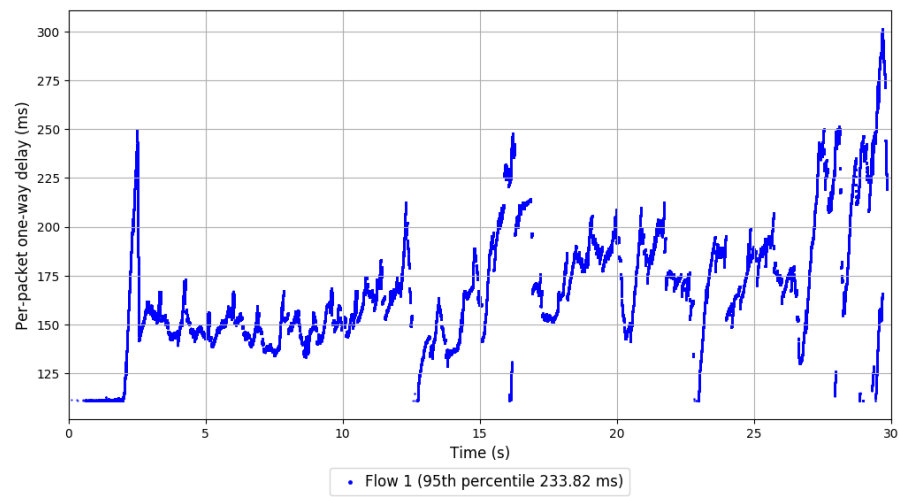
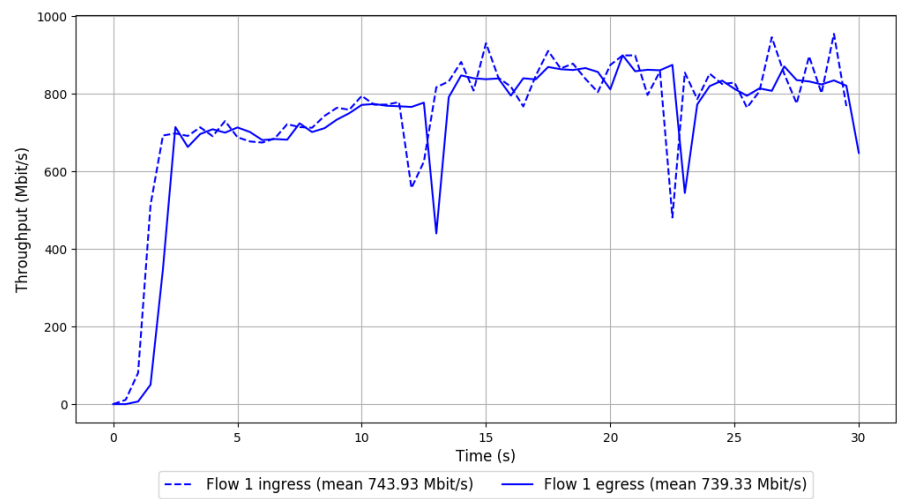


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 13:33:31
End at: 2018-07-18 13:34:01
Local clock offset: -0.365 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-18 15:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 739.33 Mbit/s
95th percentile per-packet one-way delay: 233.824 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 739.33 Mbit/s
95th percentile per-packet one-way delay: 233.824 ms
Loss rate: 1.36%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 13:55:52

End at: 2018-07-18 13:56:22

Local clock offset: -0.157 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-07-18 15:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 720.85 Mbit/s

95th percentile per-packet one-way delay: 213.295 ms

Loss rate: 1.04%

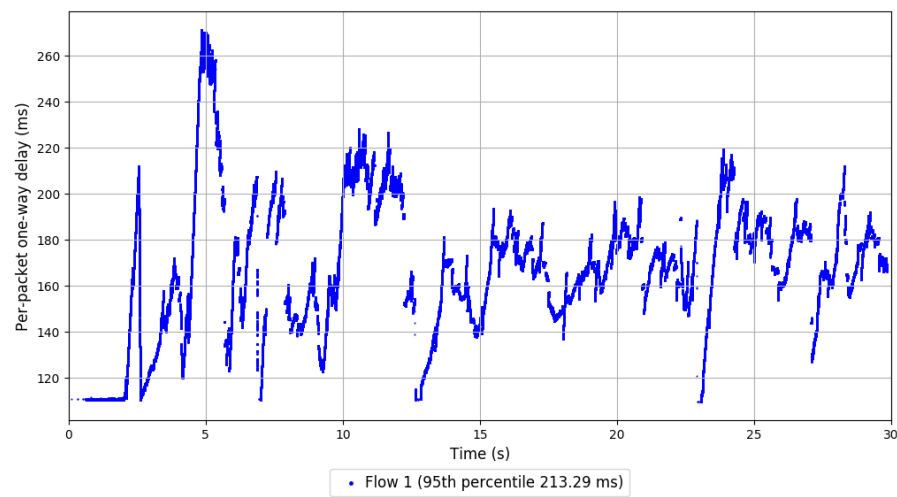
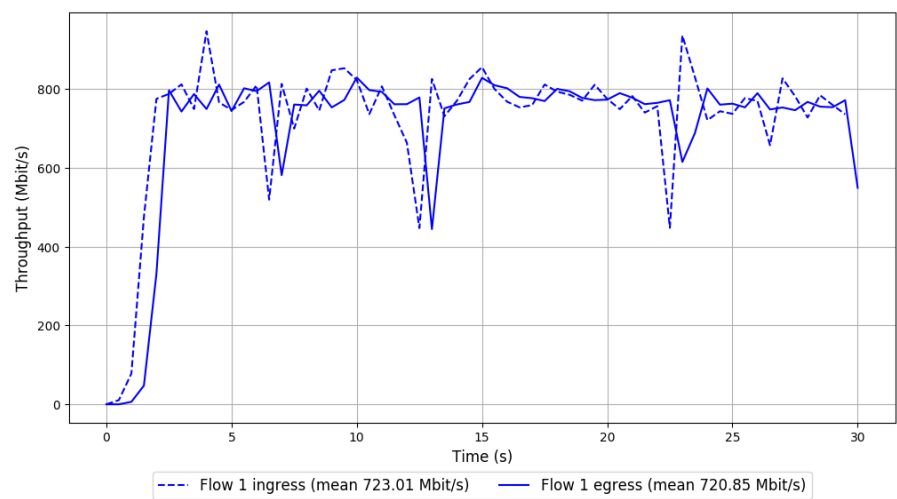
-- Flow 1:

Average throughput: 720.85 Mbit/s

95th percentile per-packet one-way delay: 213.295 ms

Loss rate: 1.04%

Run 10: Report of FillP-Sheep — Data Link

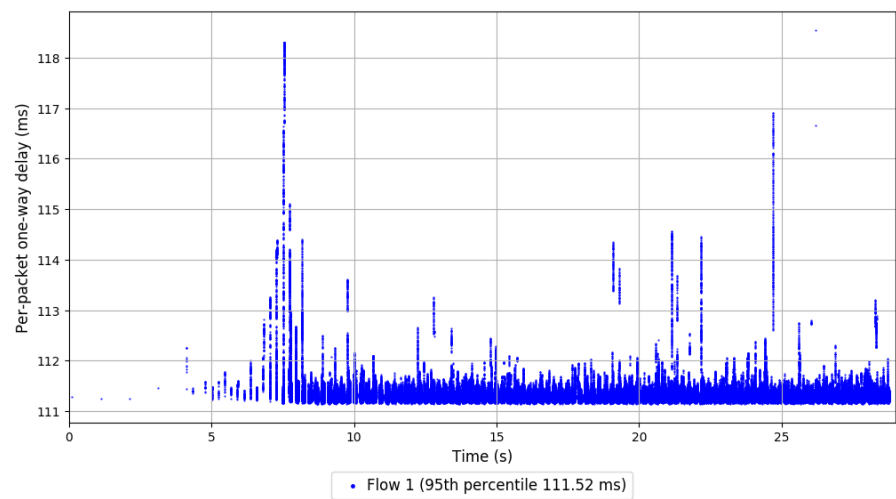
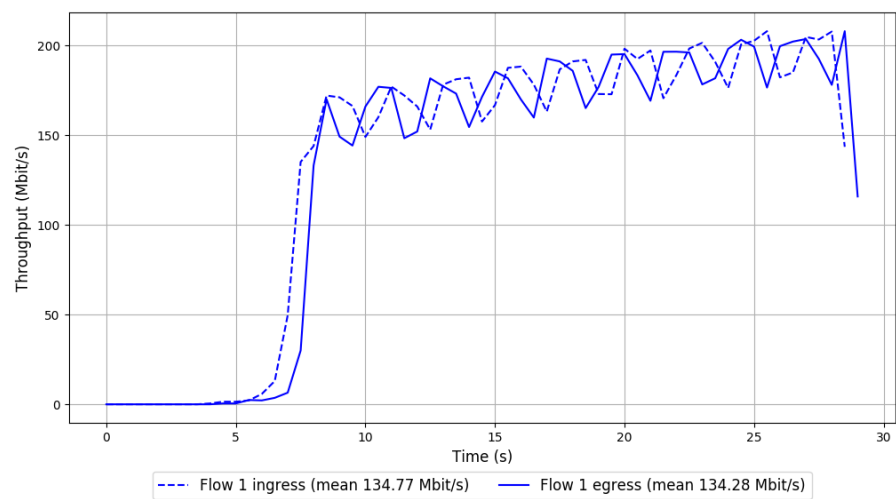


Run 1: Statistics of Indigo

Start at: 2018-07-18 10:46:13
End at: 2018-07-18 10:46:43
Local clock offset: -0.164 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-18 15:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.28 Mbit/s
95th percentile per-packet one-way delay: 111.520 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 134.28 Mbit/s
95th percentile per-packet one-way delay: 111.520 ms
Loss rate: 1.13%

Run 1: Report of Indigo — Data Link

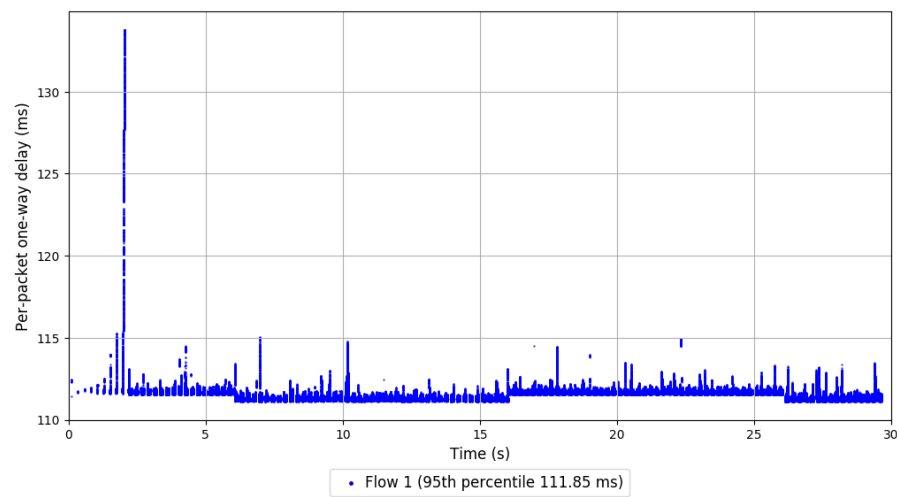
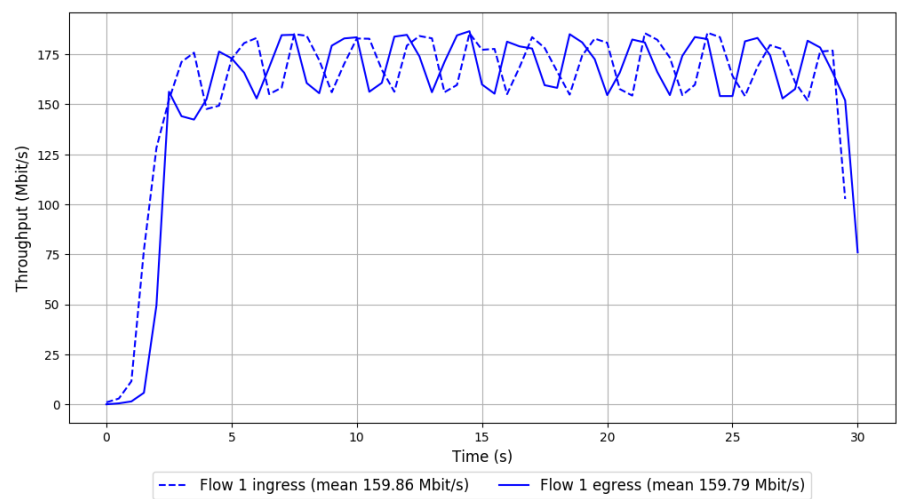


Run 2: Statistics of Indigo

Start at: 2018-07-18 11:08:51
End at: 2018-07-18 11:09:21
Local clock offset: -0.113 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-07-18 15:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.79 Mbit/s
95th percentile per-packet one-way delay: 111.847 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 159.79 Mbit/s
95th percentile per-packet one-way delay: 111.847 ms
Loss rate: 0.80%

Run 2: Report of Indigo — Data Link

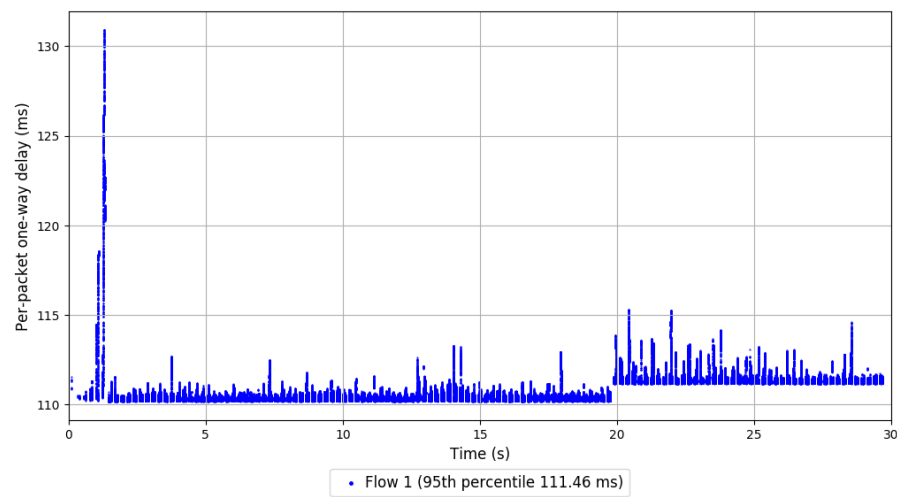
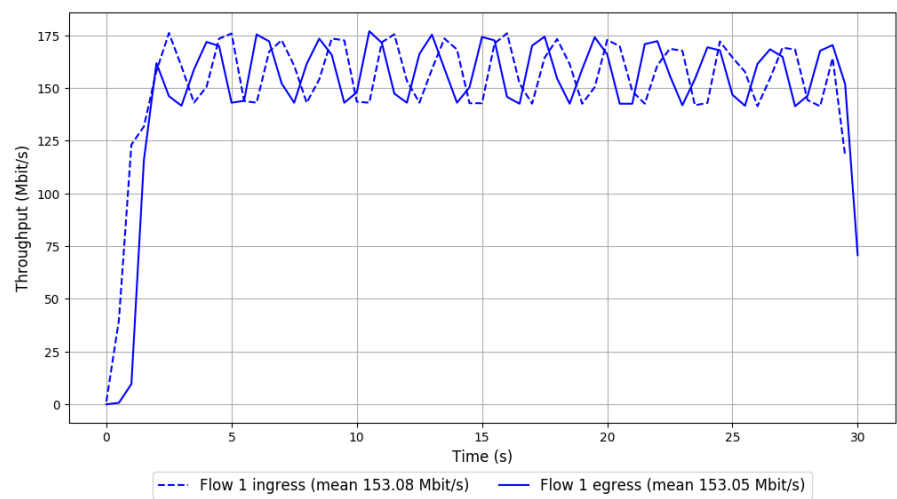


Run 3: Statistics of Indigo

Start at: 2018-07-18 11:31:27
End at: 2018-07-18 11:31:57
Local clock offset: -0.107 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-07-18 15:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 153.05 Mbit/s
95th percentile per-packet one-way delay: 111.463 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 153.05 Mbit/s
95th percentile per-packet one-way delay: 111.463 ms
Loss rate: 0.77%

Run 3: Report of Indigo — Data Link

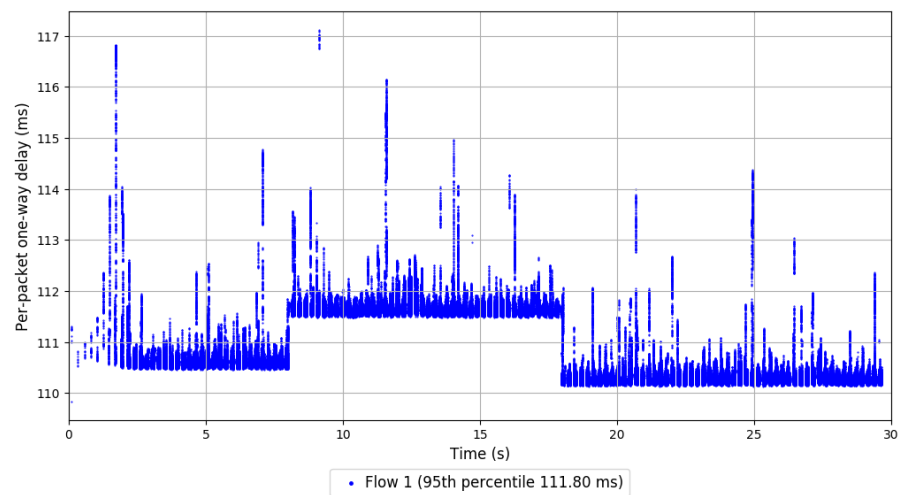
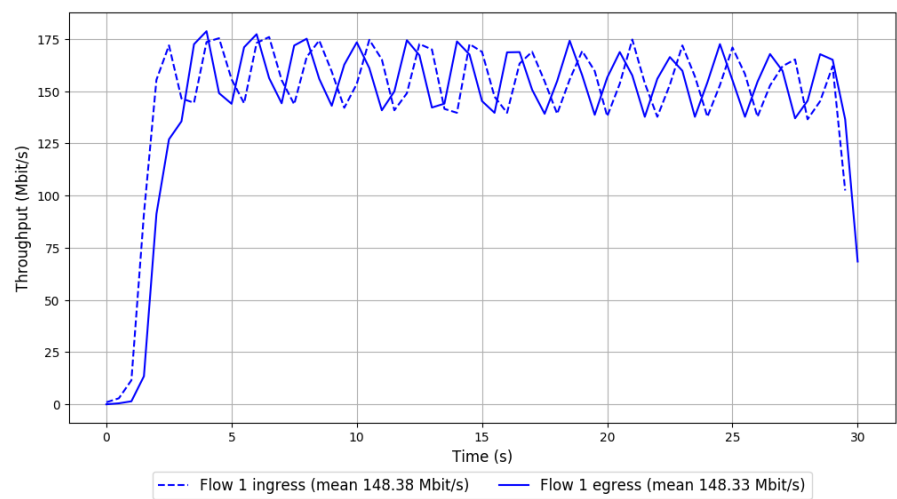


Run 4: Statistics of Indigo

Start at: 2018-07-18 11:53:59
End at: 2018-07-18 11:54:29
Local clock offset: -0.075 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-07-18 15:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.33 Mbit/s
95th percentile per-packet one-way delay: 111.801 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 148.33 Mbit/s
95th percentile per-packet one-way delay: 111.801 ms
Loss rate: 0.77%

Run 4: Report of Indigo — Data Link

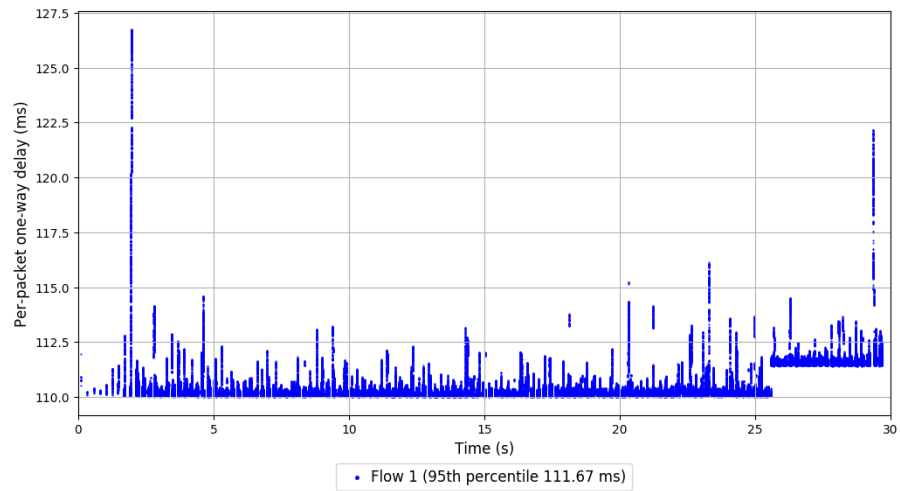
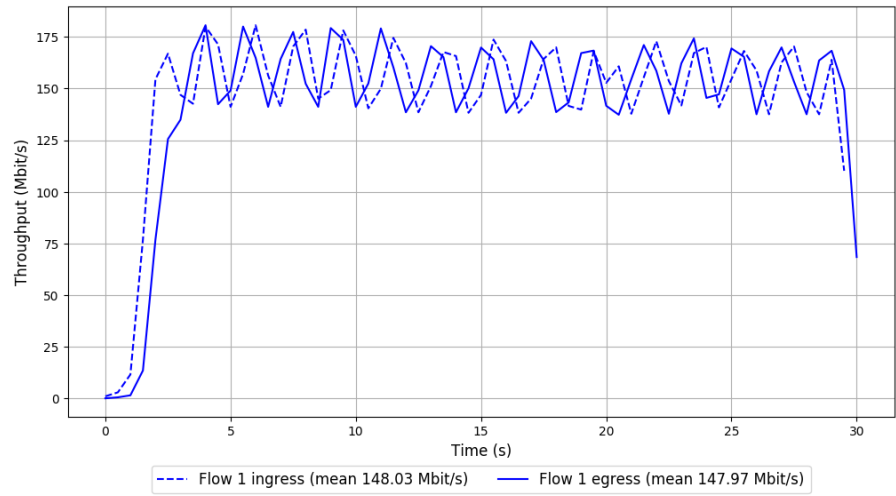


Run 5: Statistics of Indigo

Start at: 2018-07-18 12:16:31
End at: 2018-07-18 12:17:01
Local clock offset: 0.27 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-07-18 15:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.97 Mbit/s
95th percentile per-packet one-way delay: 111.675 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 147.97 Mbit/s
95th percentile per-packet one-way delay: 111.675 ms
Loss rate: 0.77%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-18 12:39:19

End at: 2018-07-18 12:39:49

Local clock offset: -0.054 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-07-18 15:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.43 Mbit/s

95th percentile per-packet one-way delay: 111.149 ms

Loss rate: 0.80%

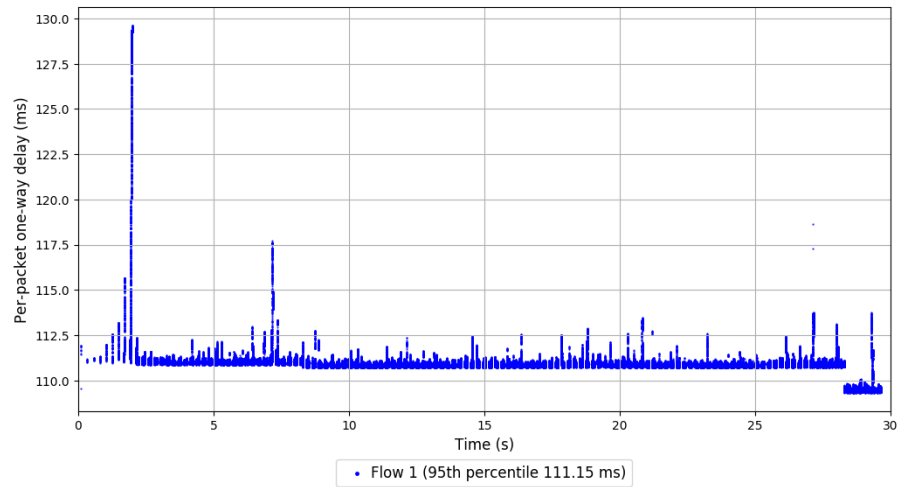
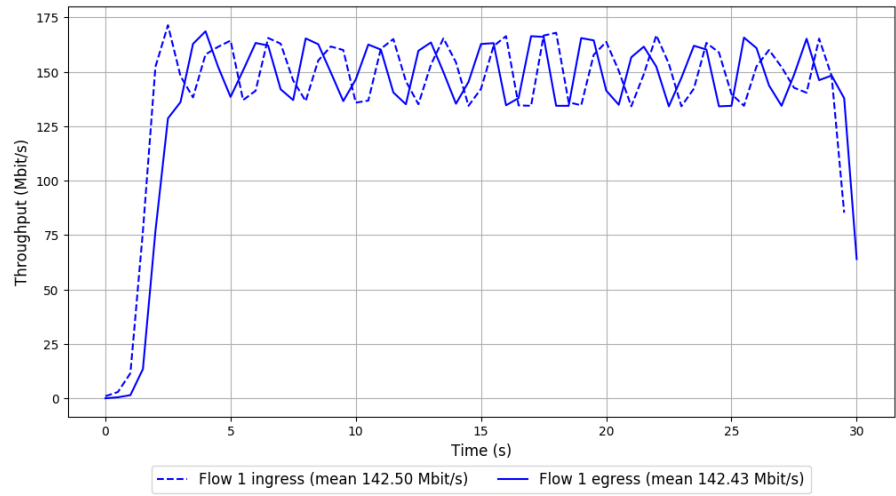
-- Flow 1:

Average throughput: 142.43 Mbit/s

95th percentile per-packet one-way delay: 111.149 ms

Loss rate: 0.80%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-18 13:01:53

End at: 2018-07-18 13:02:23

Local clock offset: 0.172 ms

Remote clock offset: 0.311 ms

Below is generated by plot.py at 2018-07-18 15:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.13 Mbit/s

95th percentile per-packet one-way delay: 111.941 ms

Loss rate: 0.80%

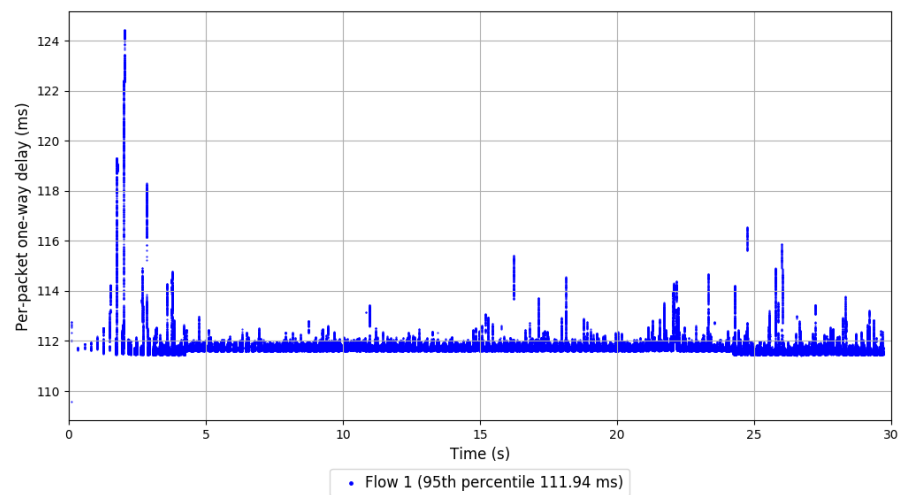
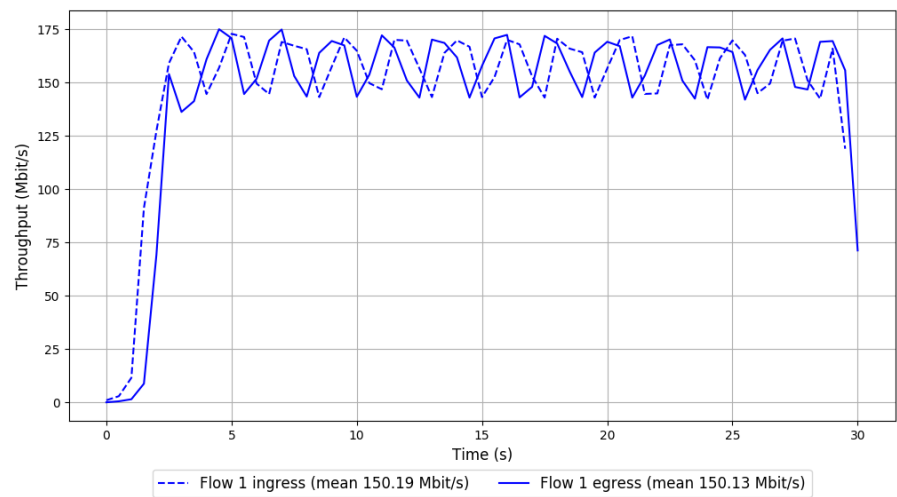
-- Flow 1:

Average throughput: 150.13 Mbit/s

95th percentile per-packet one-way delay: 111.941 ms

Loss rate: 0.80%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-18 13:24:33

End at: 2018-07-18 13:25:03

Local clock offset: 1.335 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-07-18 15:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.64 Mbit/s

95th percentile per-packet one-way delay: 113.368 ms

Loss rate: 0.77%

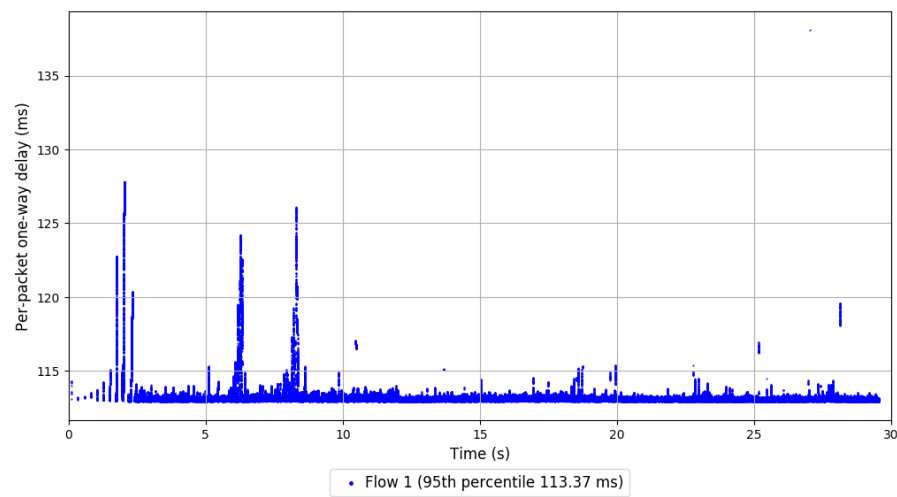
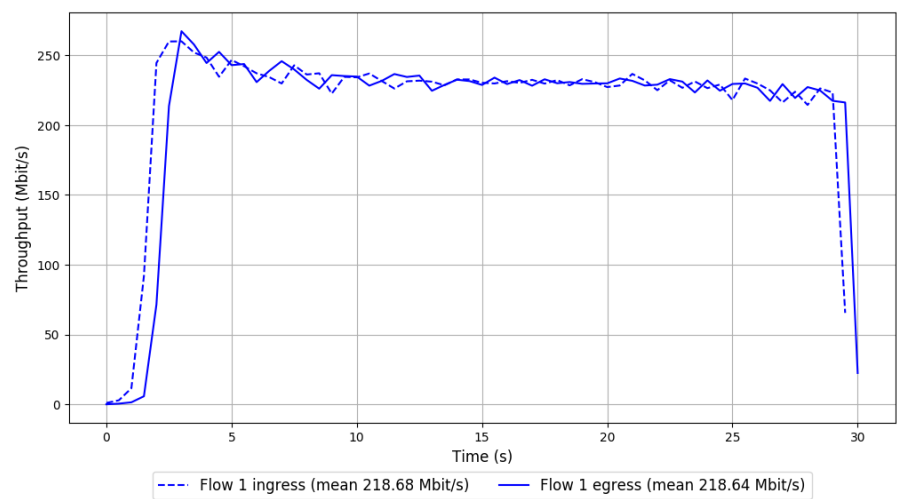
-- Flow 1:

Average throughput: 218.64 Mbit/s

95th percentile per-packet one-way delay: 113.368 ms

Loss rate: 0.77%

Run 8: Report of Indigo — Data Link

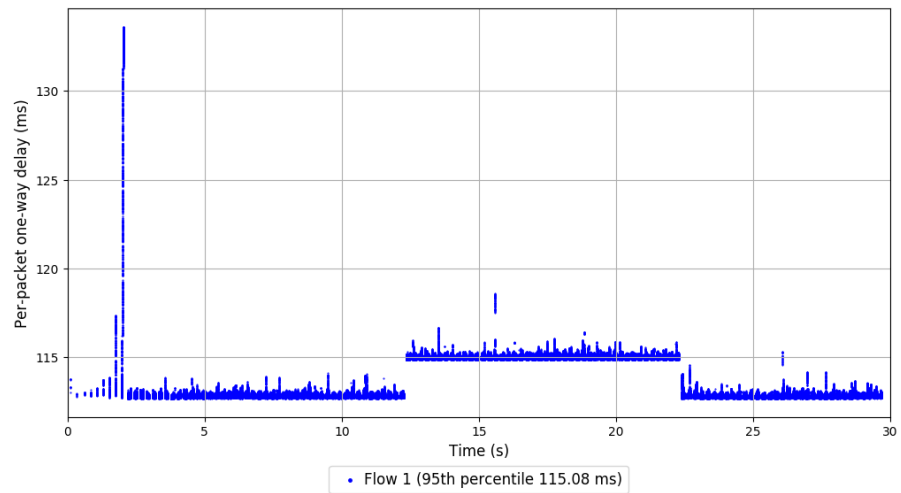
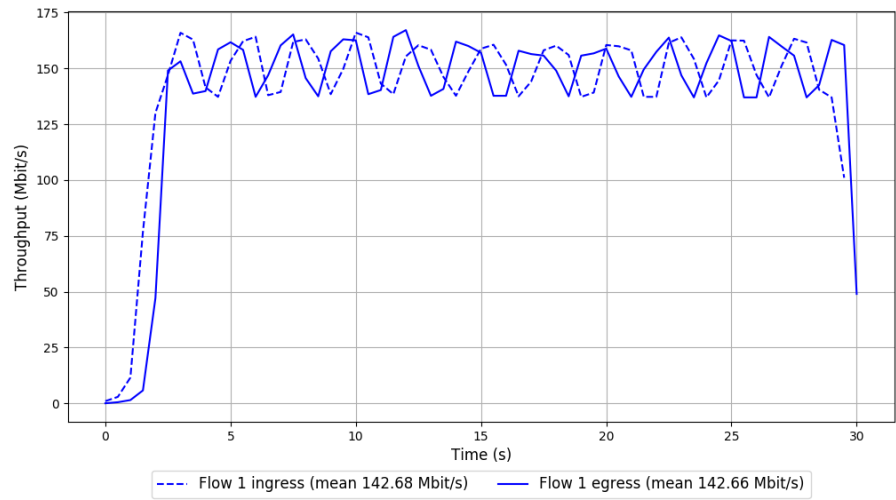


Run 9: Statistics of Indigo

Start at: 2018-07-18 13:47:25
End at: 2018-07-18 13:47:55
Local clock offset: -0.142 ms
Remote clock offset: -0.407 ms

Below is generated by plot.py at 2018-07-18 15:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.66 Mbit/s
95th percentile per-packet one-way delay: 115.079 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 142.66 Mbit/s
95th percentile per-packet one-way delay: 115.079 ms
Loss rate: 0.77%

Run 9: Report of Indigo — Data Link

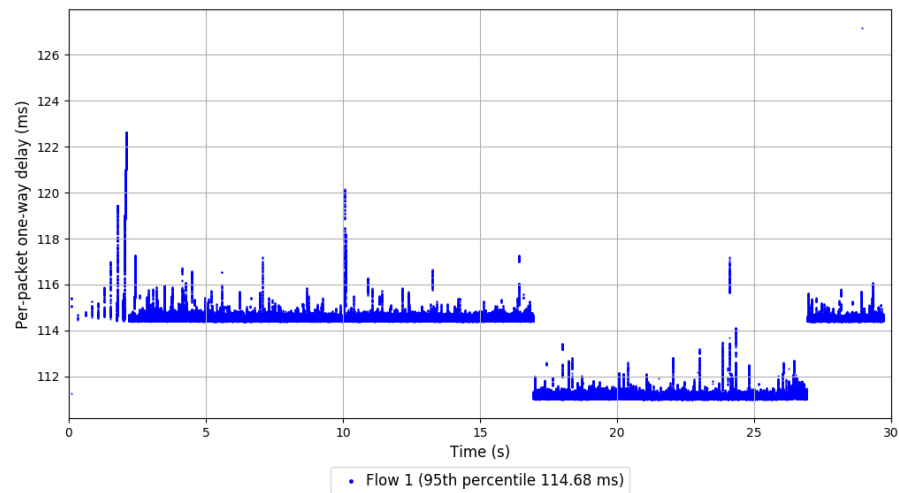
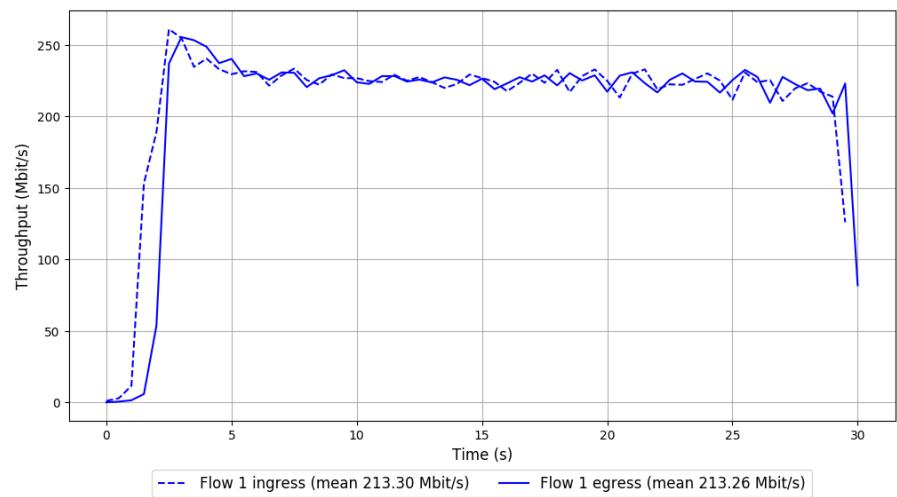


Run 10: Statistics of Indigo

Start at: 2018-07-18 14:09:00
End at: 2018-07-18 14:09:30
Local clock offset: -0.348 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-18 15:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.26 Mbit/s
95th percentile per-packet one-way delay: 114.677 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 213.26 Mbit/s
95th percentile per-packet one-way delay: 114.677 ms
Loss rate: 0.77%

Run 10: Report of Indigo — Data Link

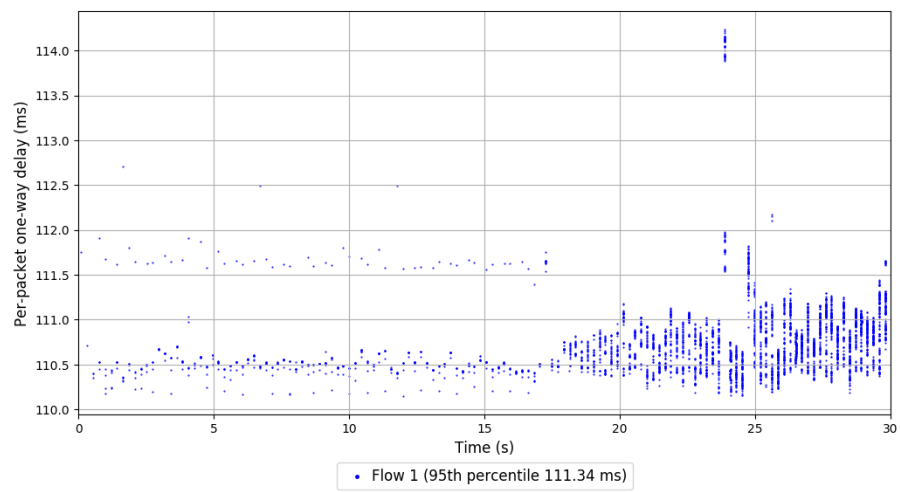
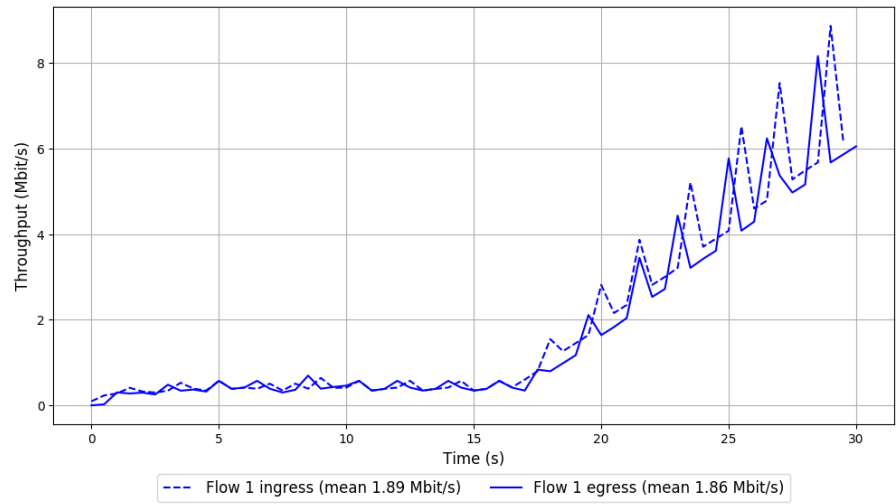


Run 1: Statistics of LEDBAT

Start at: 2018-07-18 10:30:05
End at: 2018-07-18 10:30:35
Local clock offset: -1.463 ms
Remote clock offset: -0.483 ms

Below is generated by plot.py at 2018-07-18 15:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 111.341 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 111.341 ms
Loss rate: 2.73%

Run 1: Report of LEDBAT — Data Link

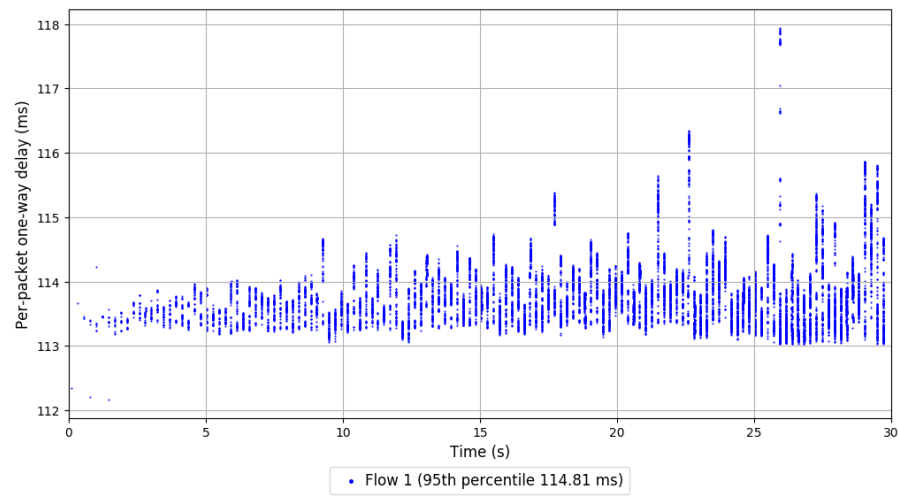
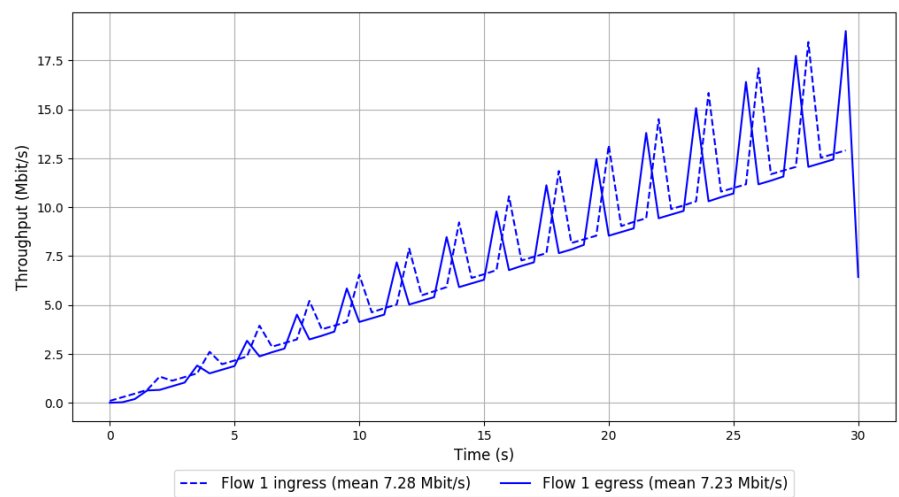


Run 2: Statistics of LEDBAT

Start at: 2018-07-18 10:52:33
End at: 2018-07-18 10:53:03
Local clock offset: 1.415 ms
Remote clock offset: -0.565 ms

Below is generated by plot.py at 2018-07-18 15:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 114.805 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 114.805 ms
Loss rate: 1.49%

Run 2: Report of LEDBAT — Data Link

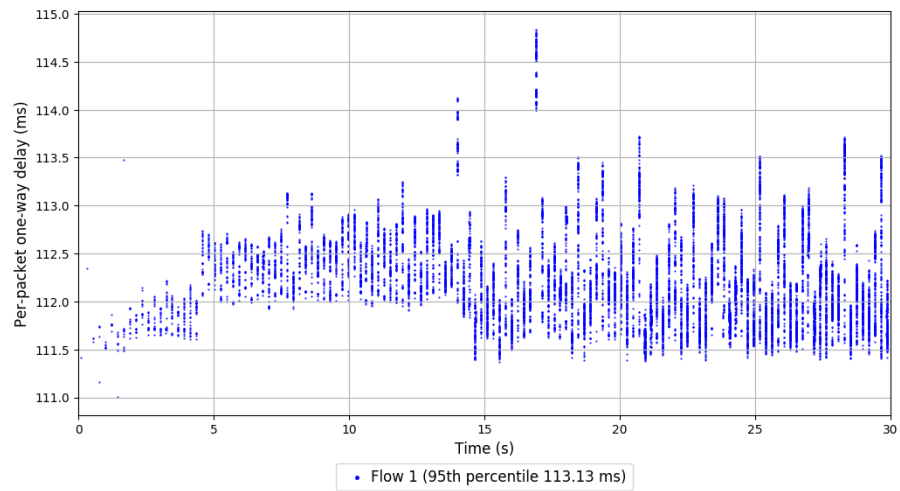
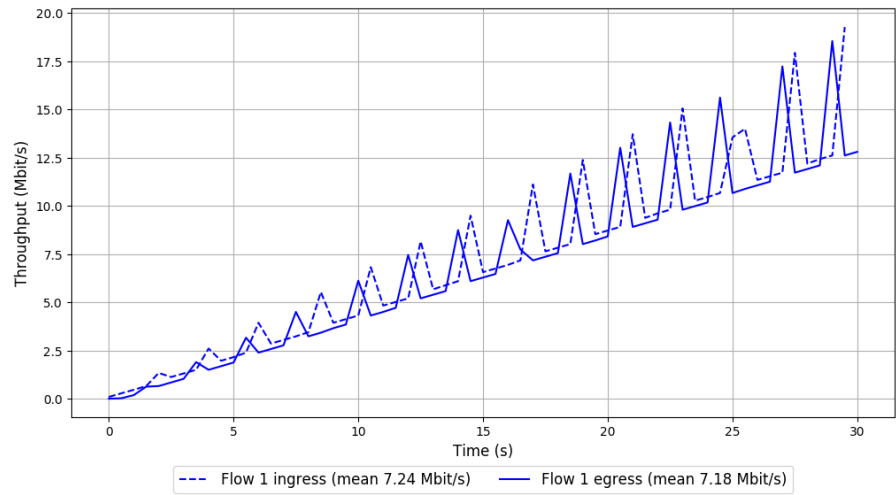


Run 3: Statistics of LEDBAT

Start at: 2018-07-18 11:15:03
End at: 2018-07-18 11:15:33
Local clock offset: 0.059 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-07-18 15:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 113.129 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 113.129 ms
Loss rate: 1.49%

Run 3: Report of LEDBAT — Data Link

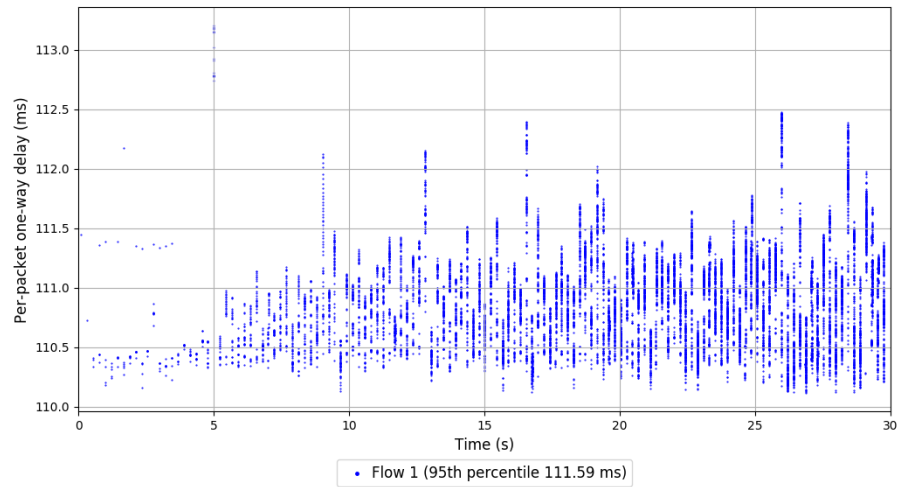
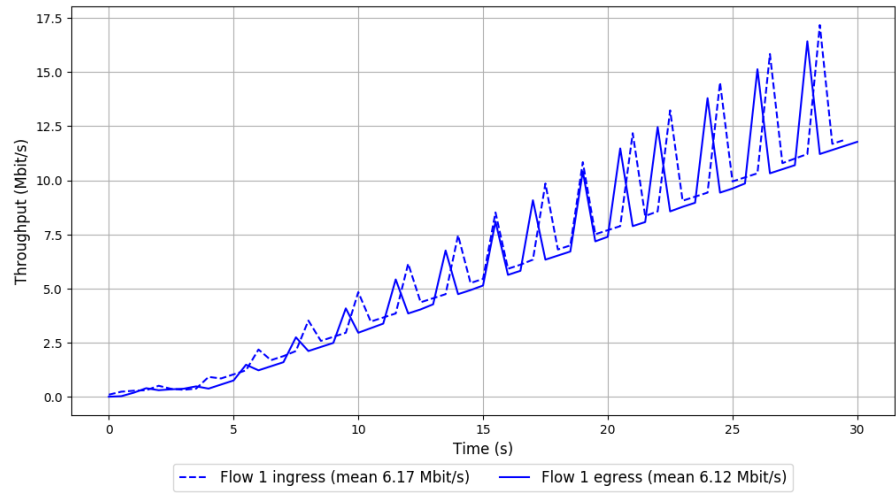


Run 4: Statistics of LEDBAT

Start at: 2018-07-18 11:37:49
End at: 2018-07-18 11:38:19
Local clock offset: -0.138 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-18 15:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 111.591 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 111.591 ms
Loss rate: 1.62%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-18 12:00:17

End at: 2018-07-18 12:00:47

Local clock offset: 1.23 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-07-18 15:12:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.67 Mbit/s

95th percentile per-packet one-way delay: 112.695 ms

Loss rate: 1.67%

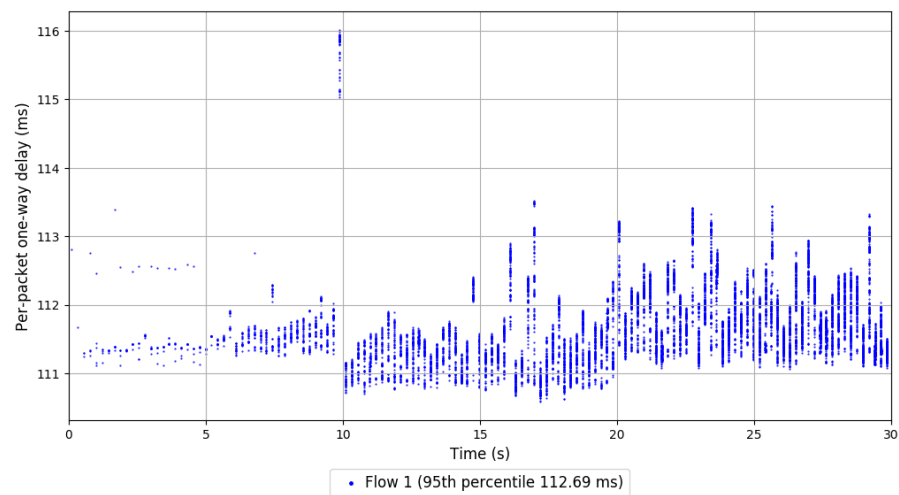
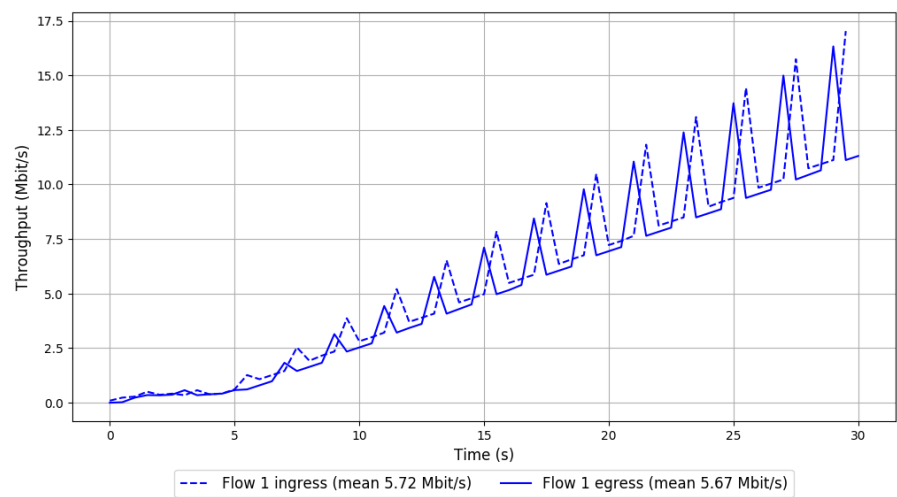
-- Flow 1:

Average throughput: 5.67 Mbit/s

95th percentile per-packet one-way delay: 112.695 ms

Loss rate: 1.67%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-18 12:22:47

End at: 2018-07-18 12:23:17

Local clock offset: 0.114 ms

Remote clock offset: 0.536 ms

Below is generated by plot.py at 2018-07-18 15:12:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 112.590 ms

Loss rate: 1.48%

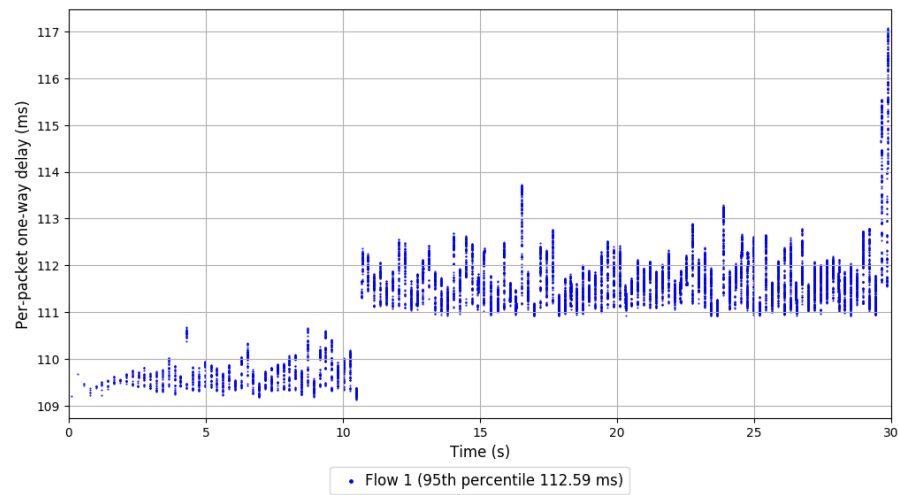
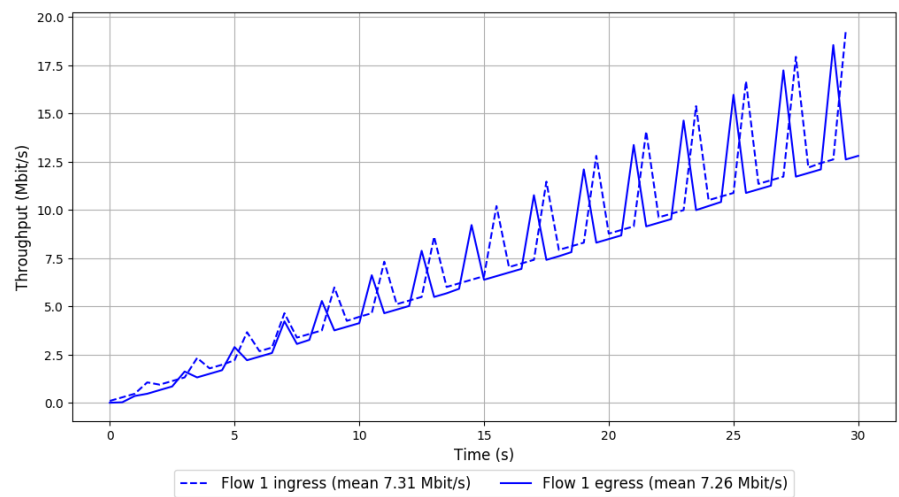
-- Flow 1:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 112.590 ms

Loss rate: 1.48%

Run 6: Report of LEDBAT — Data Link

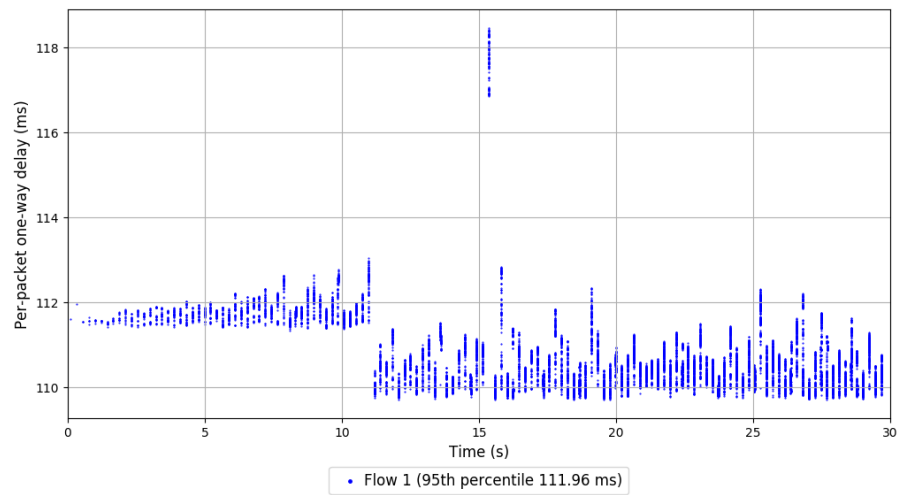
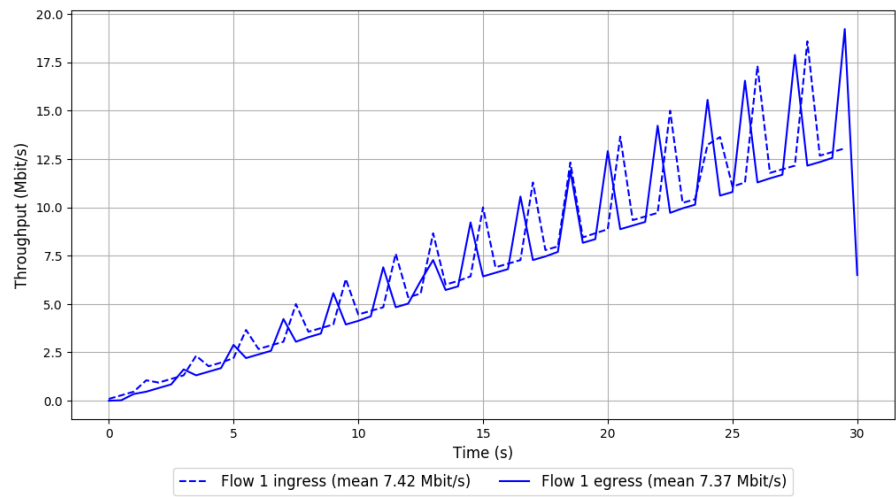


Run 7: Statistics of LEDBAT

Start at: 2018-07-18 12:45:36
End at: 2018-07-18 12:46:06
Local clock offset: -0.055 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-18 15:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 111.961 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 111.961 ms
Loss rate: 1.48%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-18 13:08:10

End at: 2018-07-18 13:08:40

Local clock offset: 1.512 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2018-07-18 15:12:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 114.226 ms

Loss rate: 1.49%

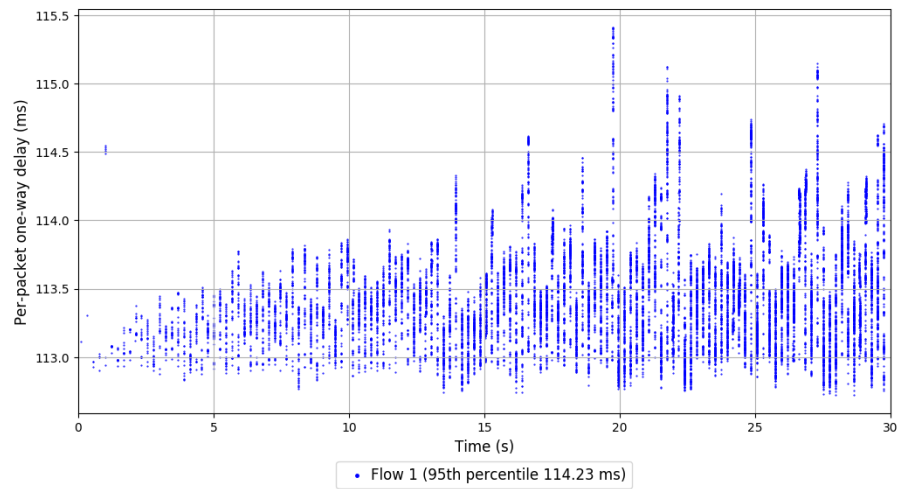
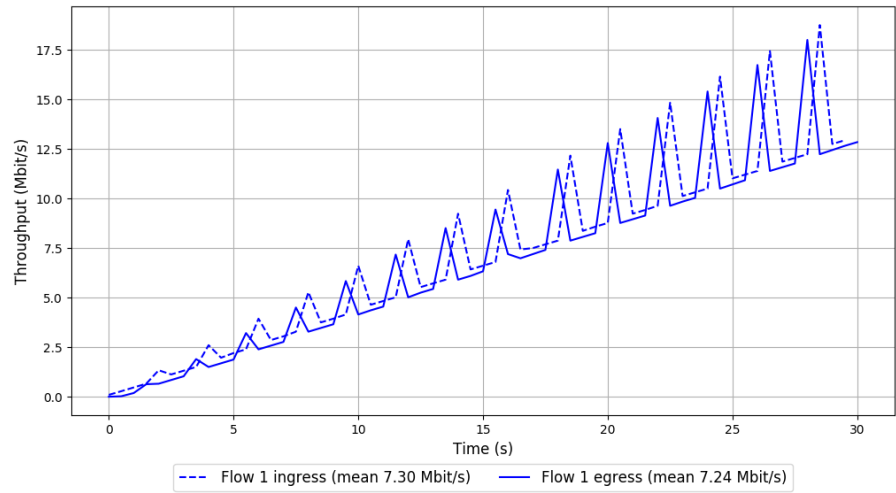
-- Flow 1:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 114.226 ms

Loss rate: 1.49%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-18 13:30:54

End at: 2018-07-18 13:31:24

Local clock offset: 1.258 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-18 15:12:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 116.662 ms

Loss rate: 1.48%

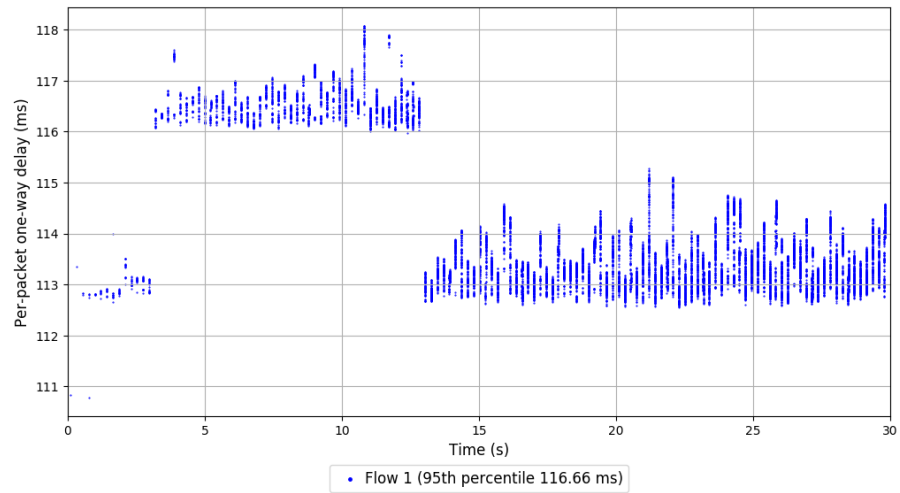
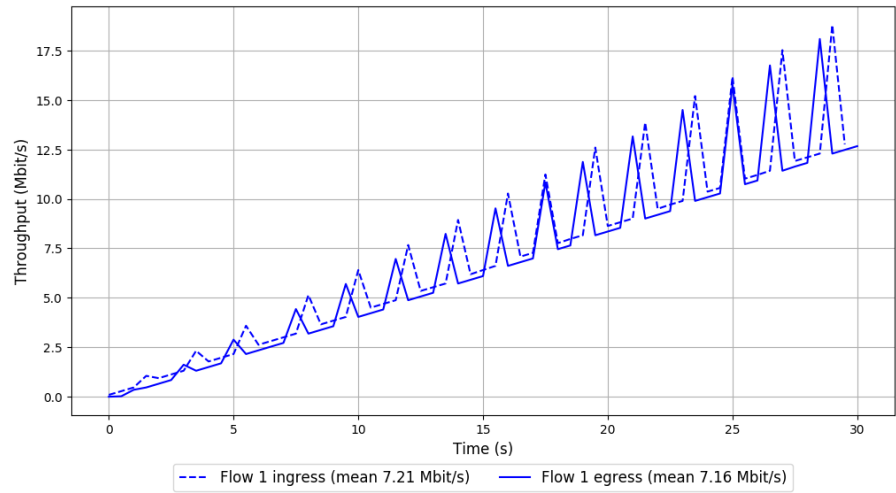
-- Flow 1:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 116.662 ms

Loss rate: 1.48%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-18 13:53:31

End at: 2018-07-18 13:54:01

Local clock offset: -1.274 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-18 15:12:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 114.507 ms

Loss rate: 1.49%

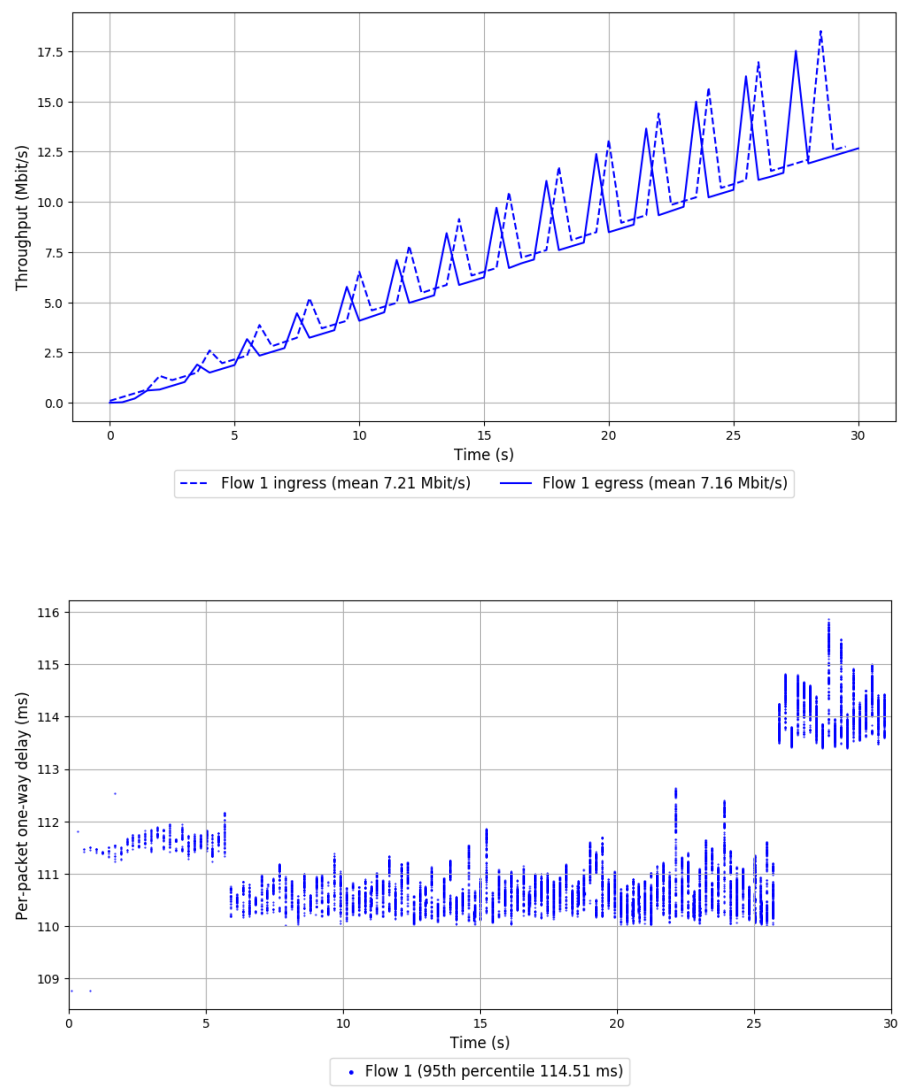
-- Flow 1:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 114.507 ms

Loss rate: 1.49%

Run 10: Report of LEDBAT — Data Link

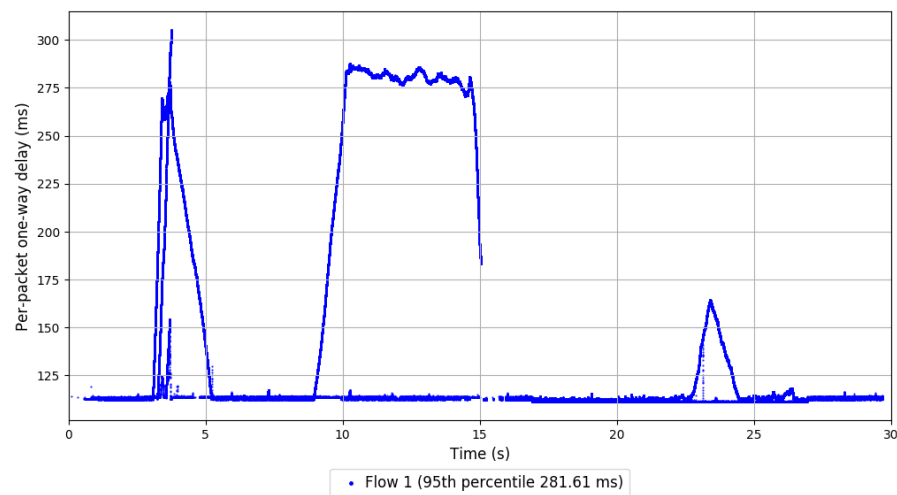
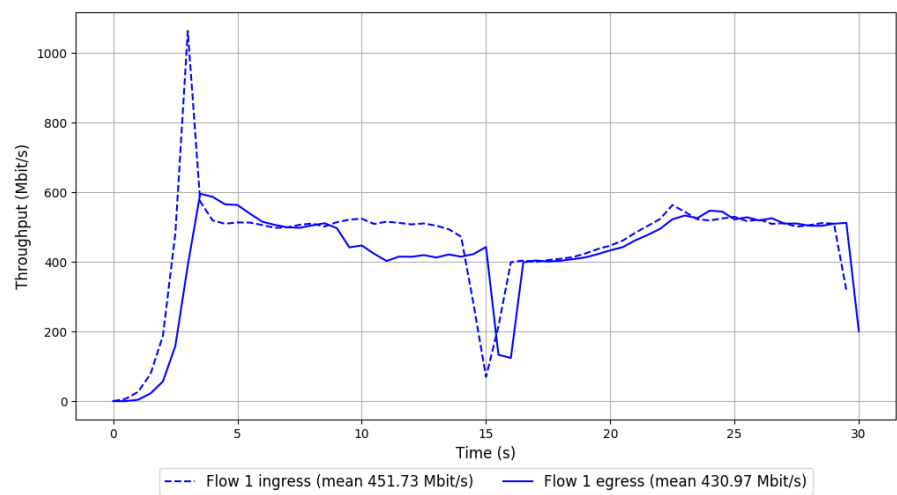


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 10:40:40
End at: 2018-07-18 10:41:10
Local clock offset: 1.216 ms
Remote clock offset: 0.195 ms

# Below is generated by plot.py at 2018-07-18 15:12:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 430.97 Mbit/s
95th percentile per-packet one-way delay: 281.609 ms
Loss rate: 5.32%
-- Flow 1:
Average throughput: 430.97 Mbit/s
95th percentile per-packet one-way delay: 281.609 ms
Loss rate: 5.32%
```

Run 1: Report of PCC-Allegro — Data Link

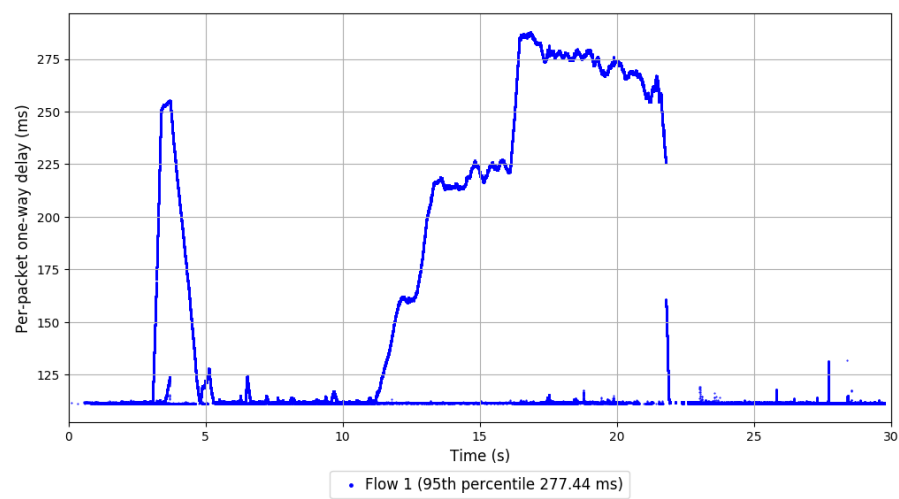
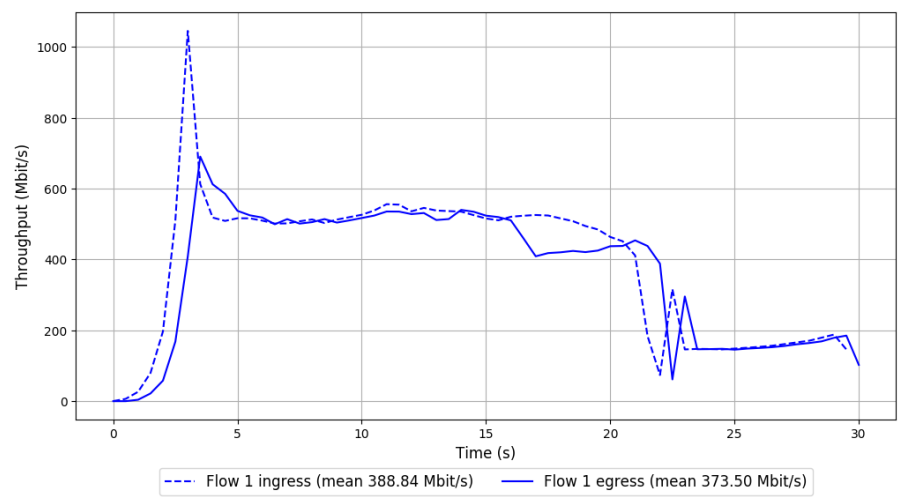


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 11:03:10
End at: 2018-07-18 11:03:40
Local clock offset: -0.312 ms
Remote clock offset: -0.591 ms

Below is generated by plot.py at 2018-07-18 15:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 373.50 Mbit/s
95th percentile per-packet one-way delay: 277.435 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 373.50 Mbit/s
95th percentile per-packet one-way delay: 277.435 ms
Loss rate: 4.66%

Run 2: Report of PCC-Allegro — Data Link

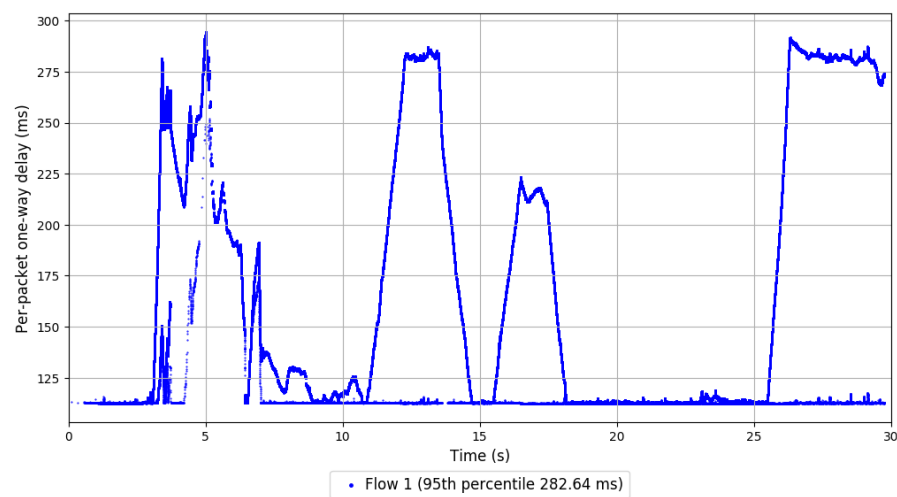
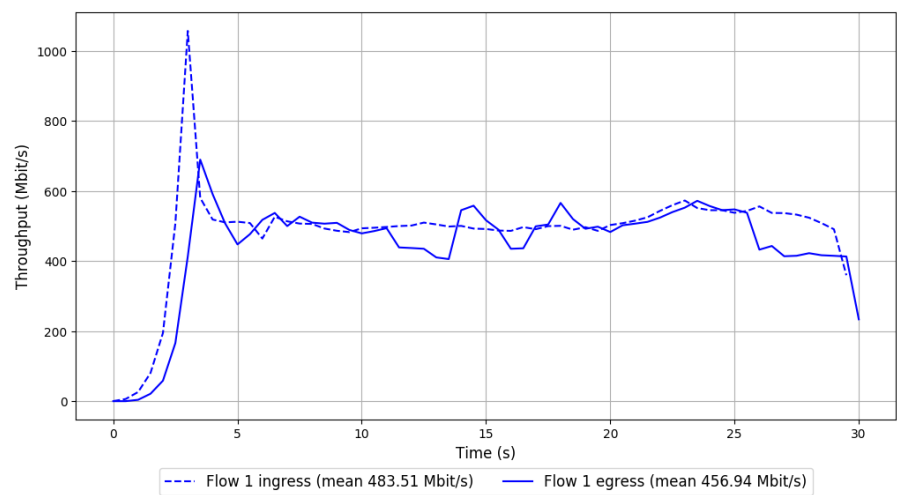


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 11:25:51
End at: 2018-07-18 11:26:21
Local clock offset: 1.183 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-07-18 15:13:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 456.94 Mbit/s
95th percentile per-packet one-way delay: 282.645 ms
Loss rate: 6.21%
-- Flow 1:
Average throughput: 456.94 Mbit/s
95th percentile per-packet one-way delay: 282.645 ms
Loss rate: 6.21%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-18 11:48:26

End at: 2018-07-18 11:48:56

Local clock offset: -0.216 ms

Remote clock offset: 0.393 ms

Below is generated by plot.py at 2018-07-18 15:14:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.66 Mbit/s

95th percentile per-packet one-way delay: 251.823 ms

Loss rate: 2.93%

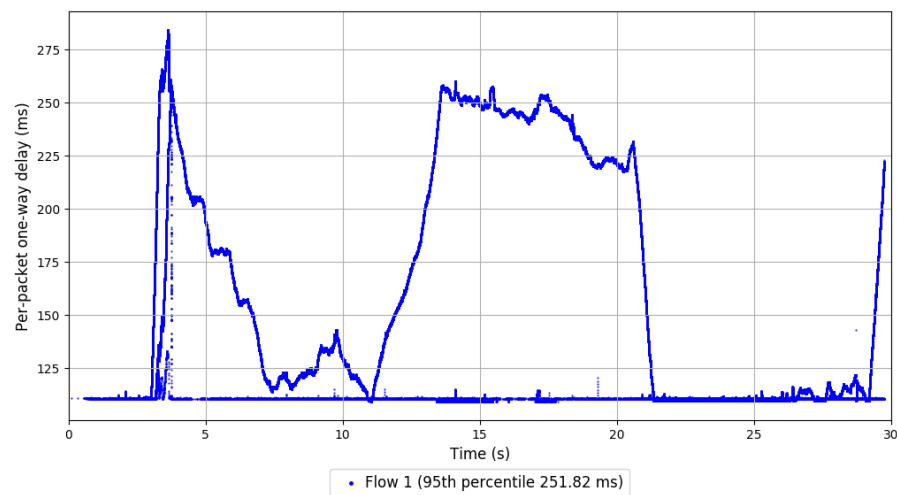
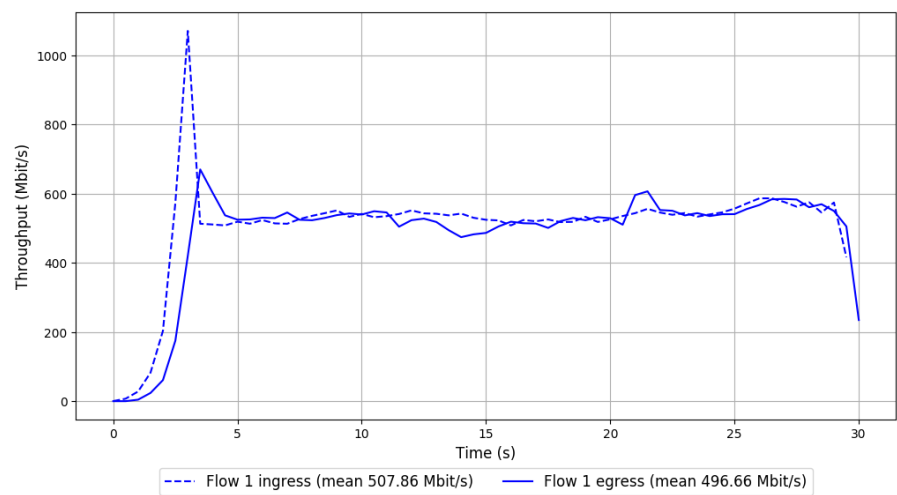
-- Flow 1:

Average throughput: 496.66 Mbit/s

95th percentile per-packet one-way delay: 251.823 ms

Loss rate: 2.93%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-18 12:11:03

End at: 2018-07-18 12:11:33

Local clock offset: 1.264 ms

Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-18 15:14:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.99 Mbit/s

95th percentile per-packet one-way delay: 280.178 ms

Loss rate: 3.08%

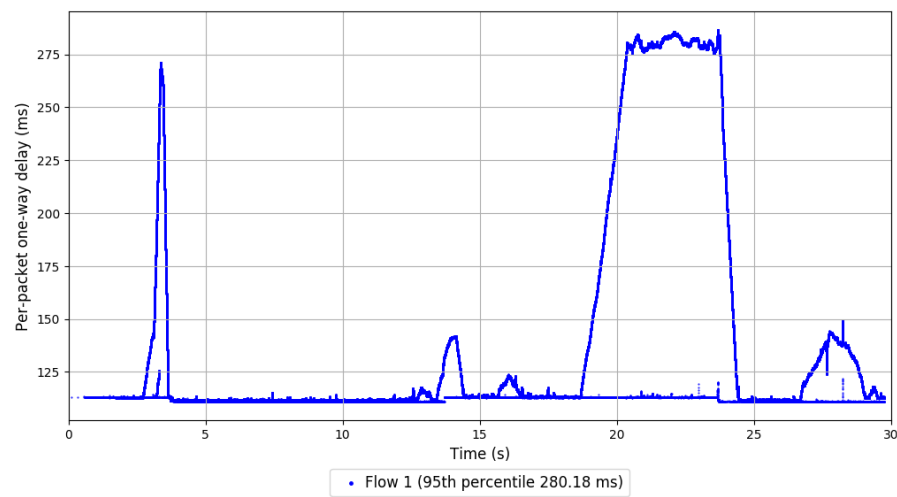
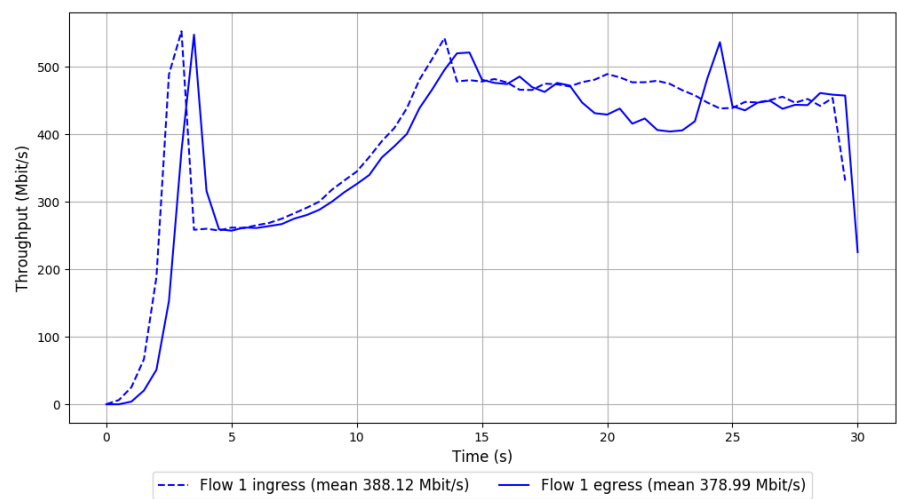
-- Flow 1:

Average throughput: 378.99 Mbit/s

95th percentile per-packet one-way delay: 280.178 ms

Loss rate: 3.08%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-18 12:33:29

End at: 2018-07-18 12:33:59

Local clock offset: 1.284 ms

Remote clock offset: 0.552 ms

Below is generated by plot.py at 2018-07-18 15:18:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.05 Mbit/s

95th percentile per-packet one-way delay: 172.722 ms

Loss rate: 1.88%

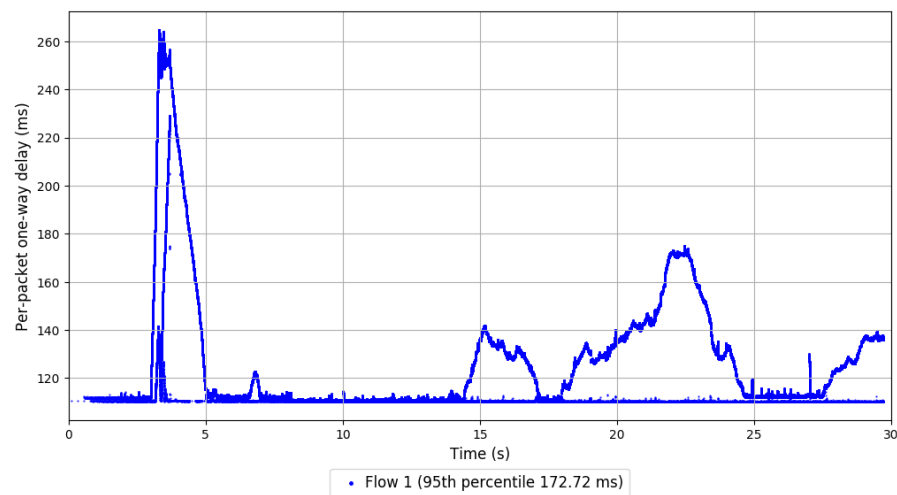
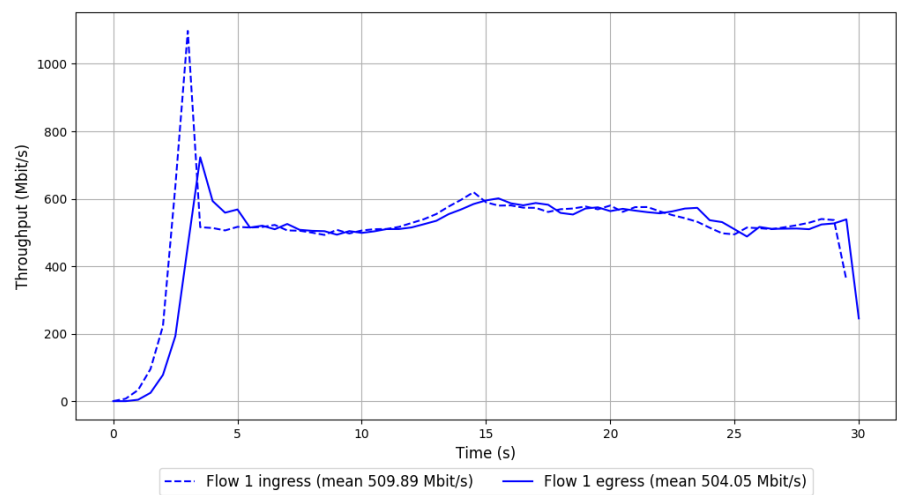
-- Flow 1:

Average throughput: 504.05 Mbit/s

95th percentile per-packet one-way delay: 172.722 ms

Loss rate: 1.88%

Run 6: Report of PCC-Allegro — Data Link

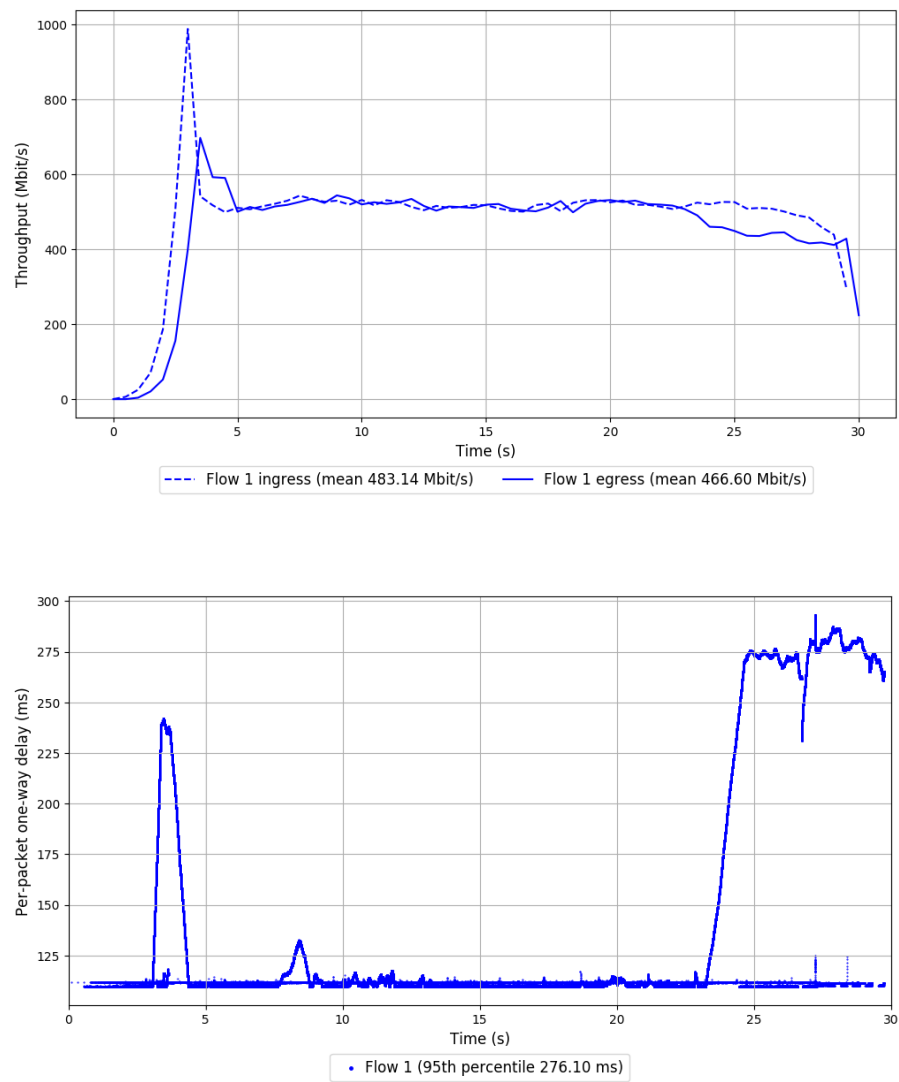


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-18 12:56:20
End at: 2018-07-18 12:56:50
Local clock offset: -0.131 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-18 15:19:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 466.60 Mbit/s
95th percentile per-packet one-way delay: 276.100 ms
Loss rate: 4.15%
-- Flow 1:
Average throughput: 466.60 Mbit/s
95th percentile per-packet one-way delay: 276.100 ms
Loss rate: 4.15%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 13:18:47

End at: 2018-07-18 13:19:17

Local clock offset: -1.302 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-07-18 15:19:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 459.09 Mbit/s

95th percentile per-packet one-way delay: 275.546 ms

Loss rate: 4.42%

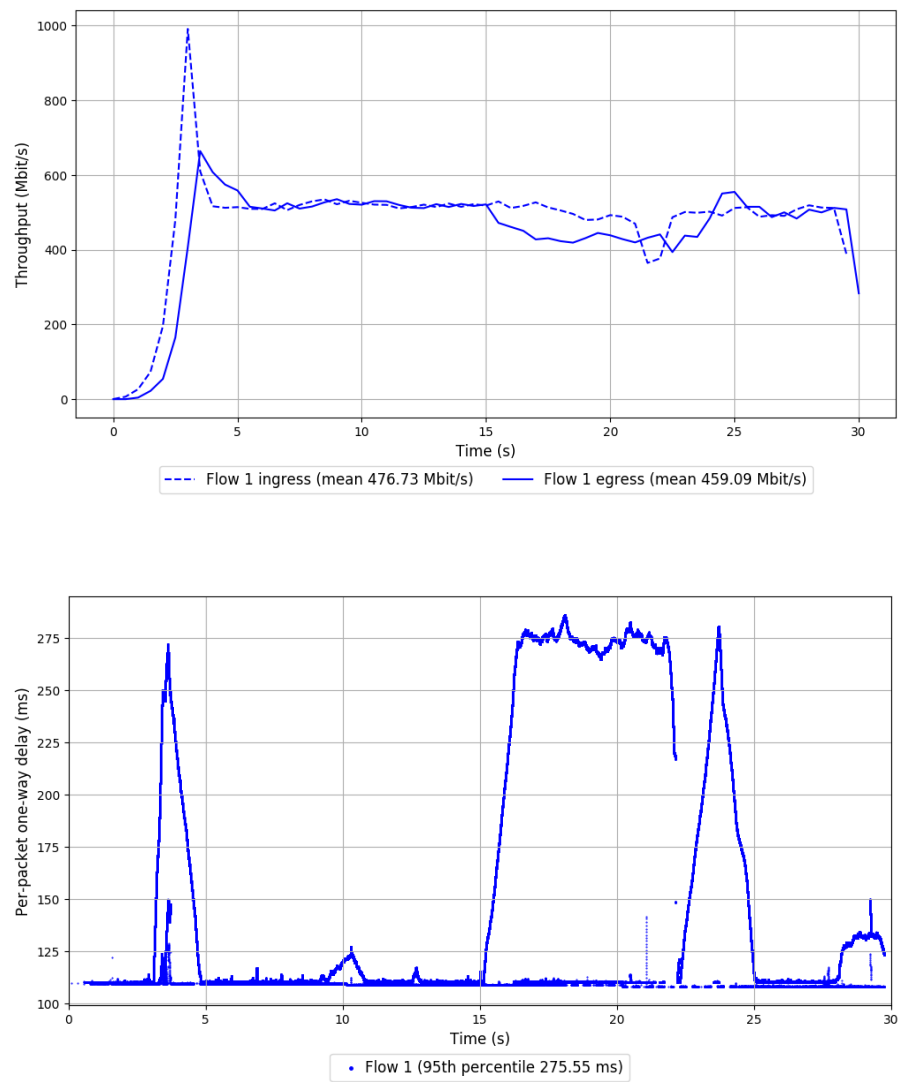
-- Flow 1:

Average throughput: 459.09 Mbit/s

95th percentile per-packet one-way delay: 275.546 ms

Loss rate: 4.42%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 13:41:48

End at: 2018-07-18 13:42:18

Local clock offset: 1.186 ms

Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-07-18 15:19:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 445.18 Mbit/s

95th percentile per-packet one-way delay: 280.316 ms

Loss rate: 4.58%

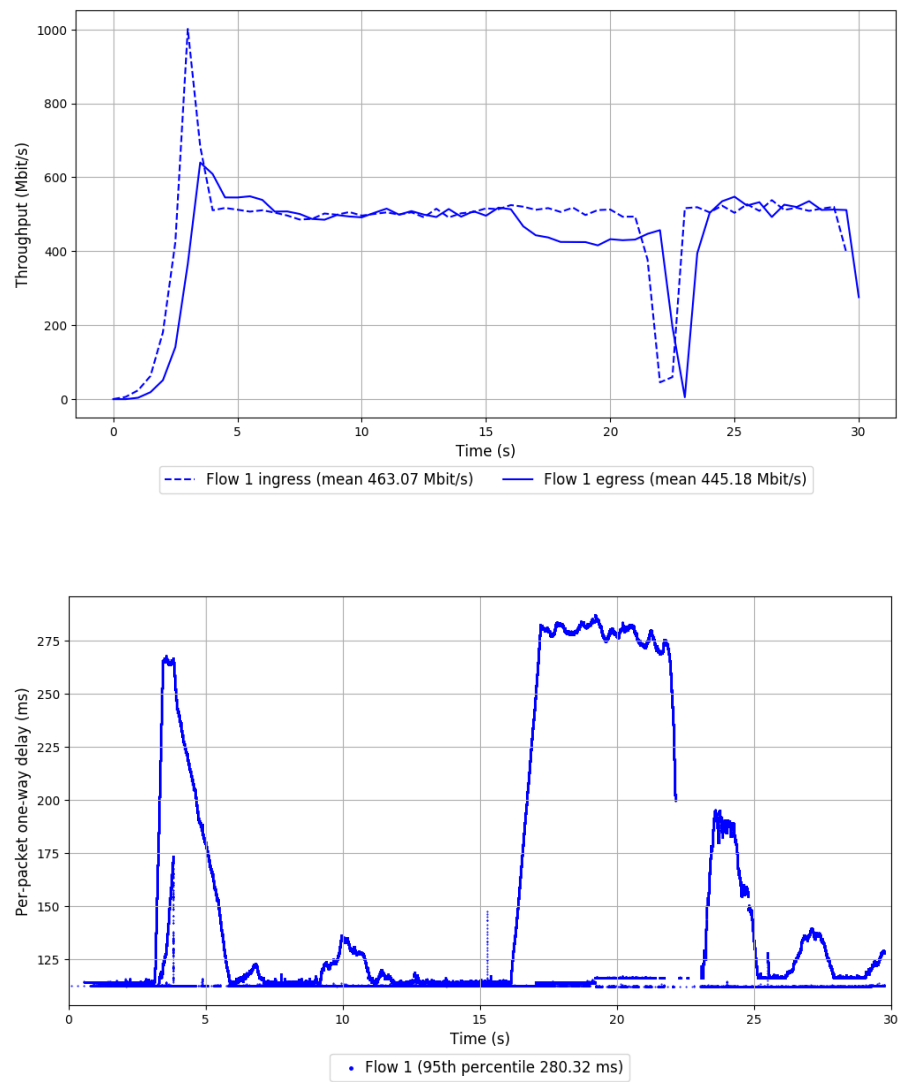
-- Flow 1:

Average throughput: 445.18 Mbit/s

95th percentile per-packet one-way delay: 280.316 ms

Loss rate: 4.58%

Run 9: Report of PCC-Allegro — Data Link

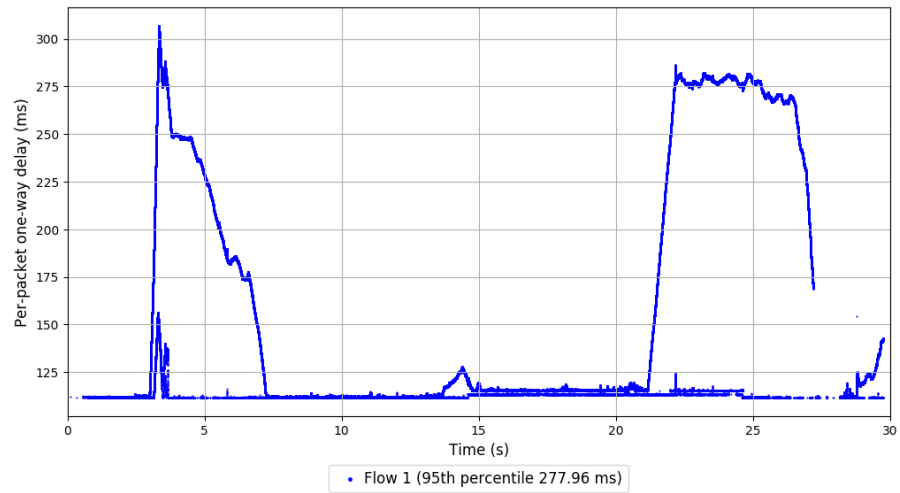
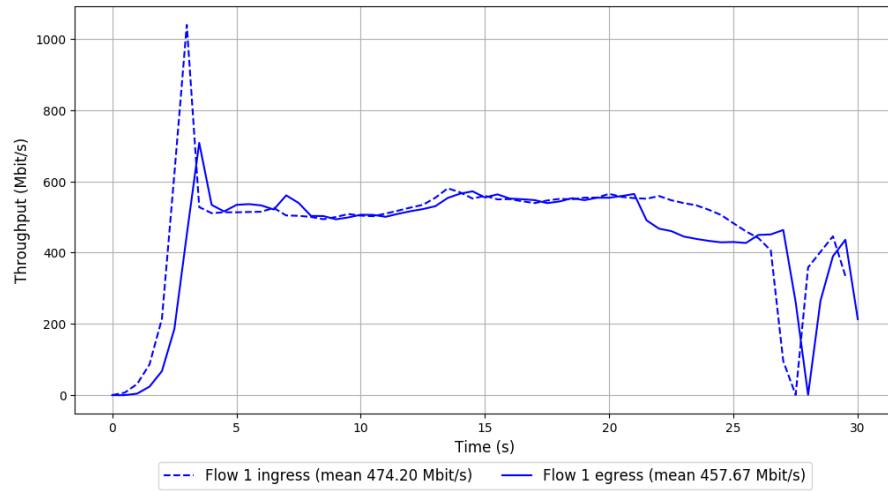


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 14:03:32
End at: 2018-07-18 14:04:02
Local clock offset: -0.052 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-07-18 15:19:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 457.67 Mbit/s
95th percentile per-packet one-way delay: 277.958 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 457.67 Mbit/s
95th percentile per-packet one-way delay: 277.958 ms
Loss rate: 4.25%

Run 10: Report of PCC-Allegro — Data Link

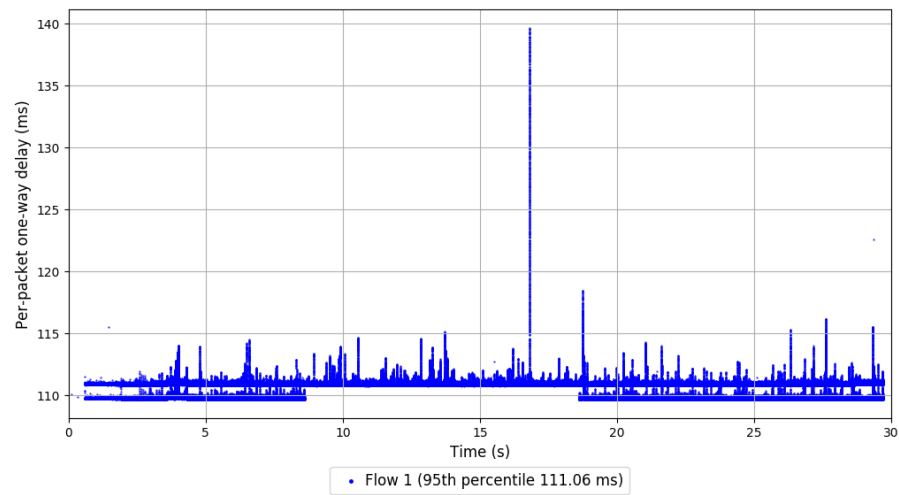
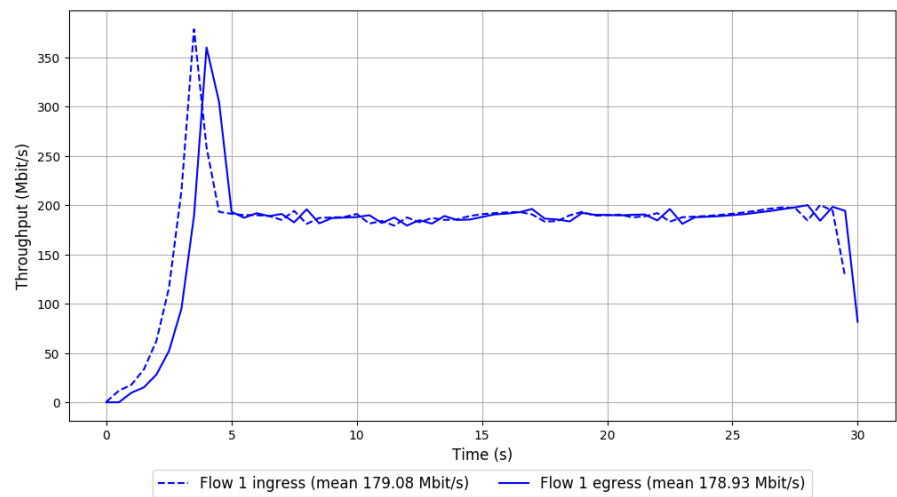


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 10:44:48
End at: 2018-07-18 10:45:18
Local clock offset: -0.092 ms
Remote clock offset: 0.145 ms

# Below is generated by plot.py at 2018-07-18 15:19:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.93 Mbit/s
95th percentile per-packet one-way delay: 111.055 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 178.93 Mbit/s
95th percentile per-packet one-way delay: 111.055 ms
Loss rate: 0.83%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 11:07:14

End at: 2018-07-18 11:07:44

Local clock offset: -0.093 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-07-18 15:22:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 301.21 Mbit/s

95th percentile per-packet one-way delay: 215.126 ms

Loss rate: 1.40%

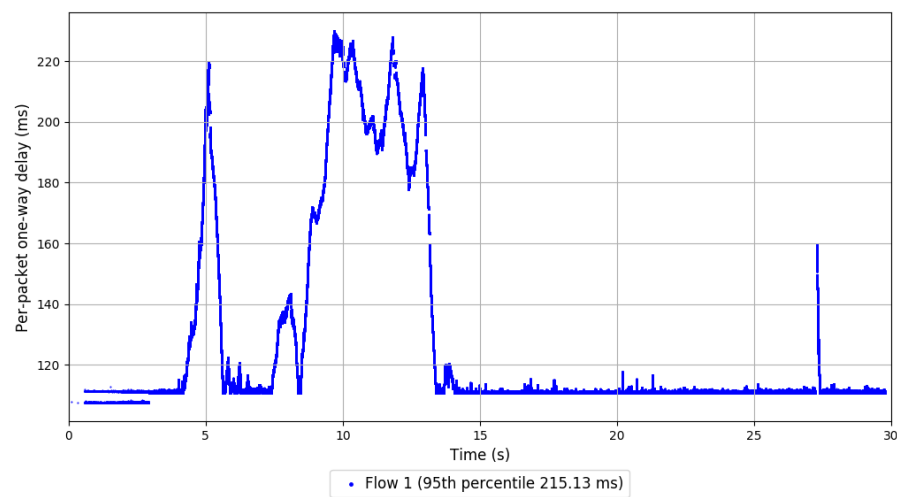
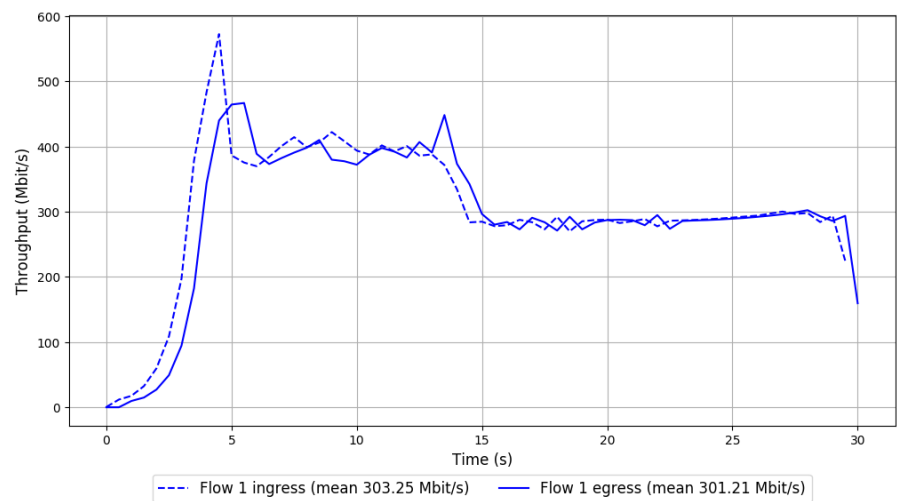
-- Flow 1:

Average throughput: 301.21 Mbit/s

95th percentile per-packet one-way delay: 215.126 ms

Loss rate: 1.40%

Run 2: Report of PCC-Expr — Data Link

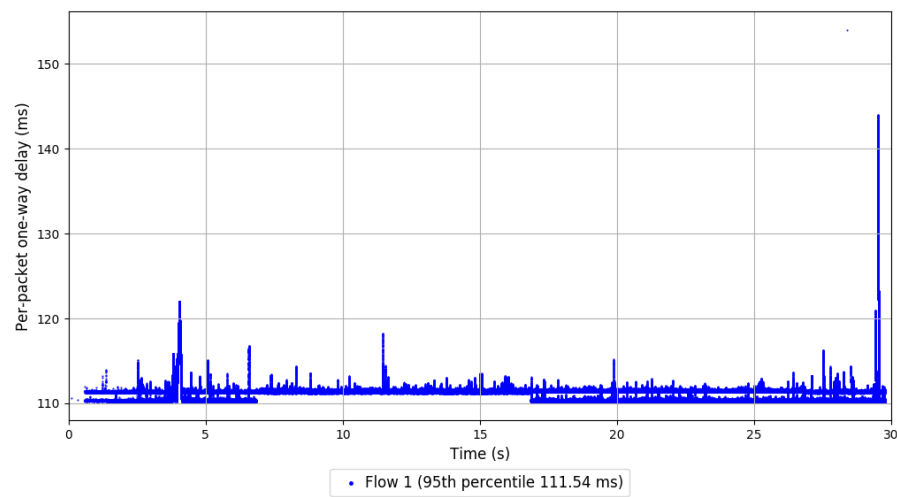
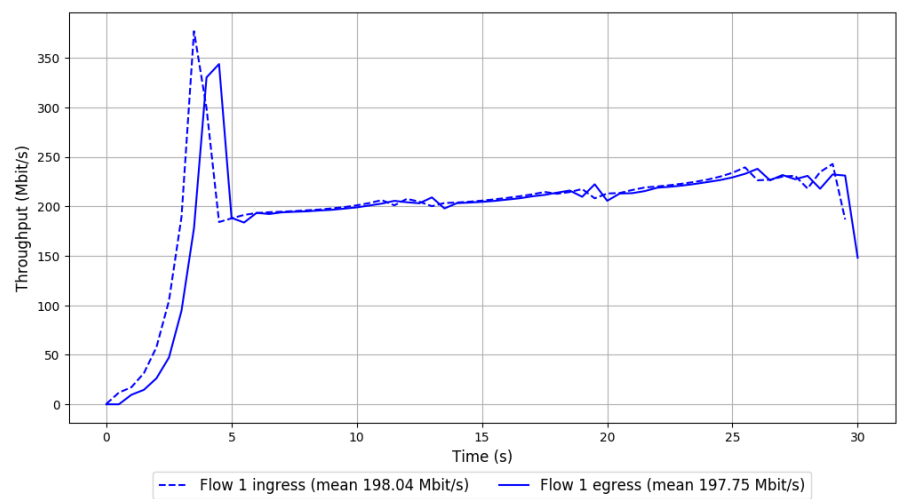


Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 11:30:00
End at: 2018-07-18 11:30:30
Local clock offset: -0.098 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-07-18 15:22:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.75 Mbit/s
95th percentile per-packet one-way delay: 111.541 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 197.75 Mbit/s
95th percentile per-packet one-way delay: 111.541 ms
Loss rate: 0.88%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-18 11:52:27

End at: 2018-07-18 11:52:57

Local clock offset: -0.254 ms

Remote clock offset: 0.426 ms

Below is generated by plot.py at 2018-07-18 15:26:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.26 Mbit/s

95th percentile per-packet one-way delay: 148.620 ms

Loss rate: 1.13%

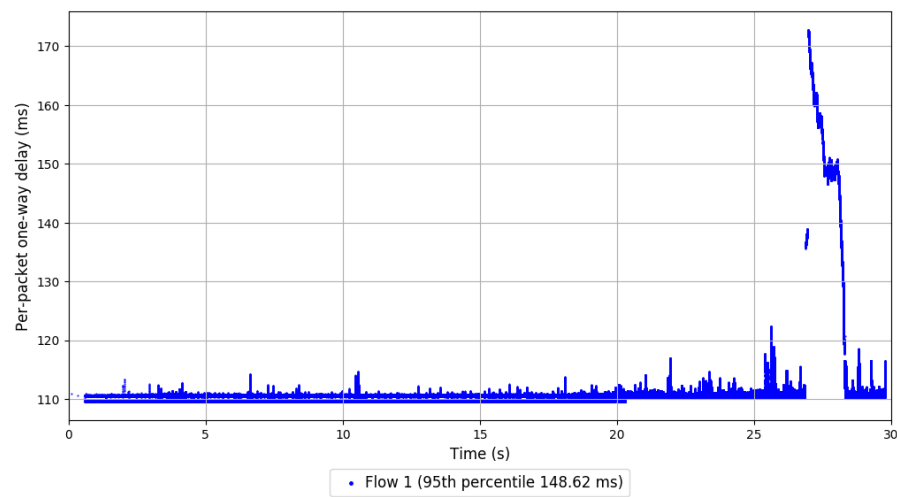
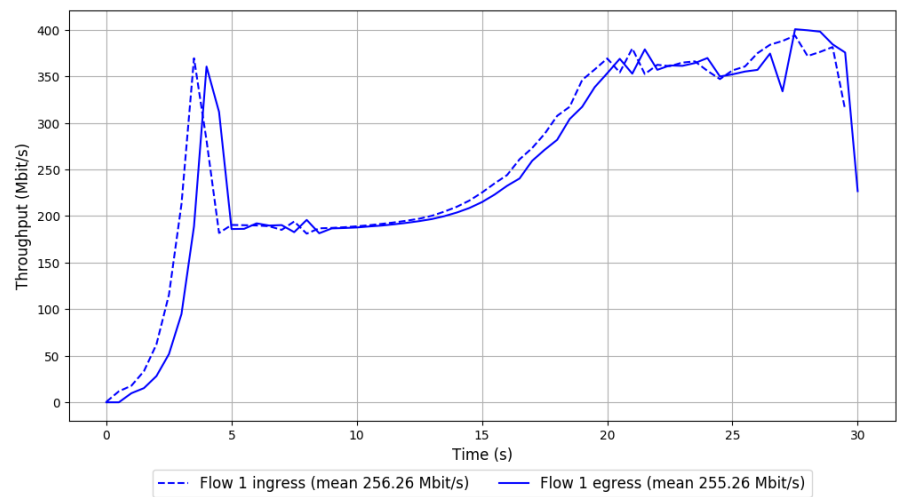
-- Flow 1:

Average throughput: 255.26 Mbit/s

95th percentile per-packet one-way delay: 148.620 ms

Loss rate: 1.13%

Run 4: Report of PCC-Expr — Data Link

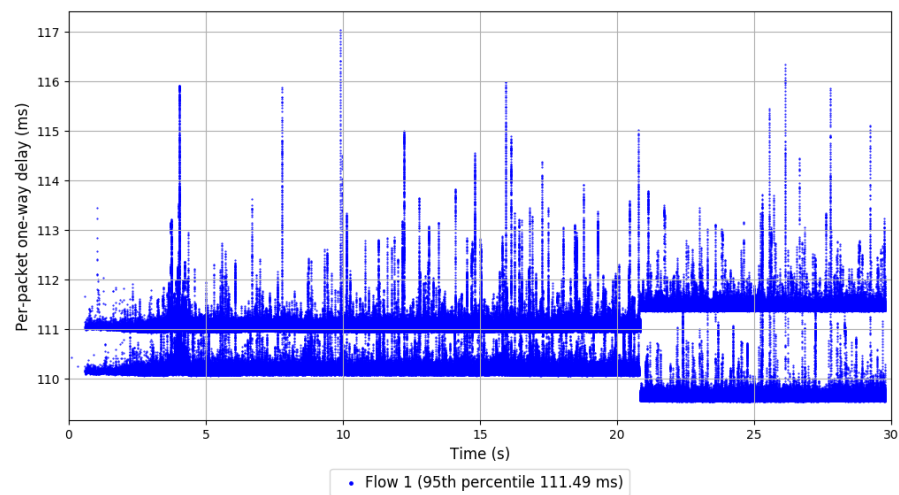
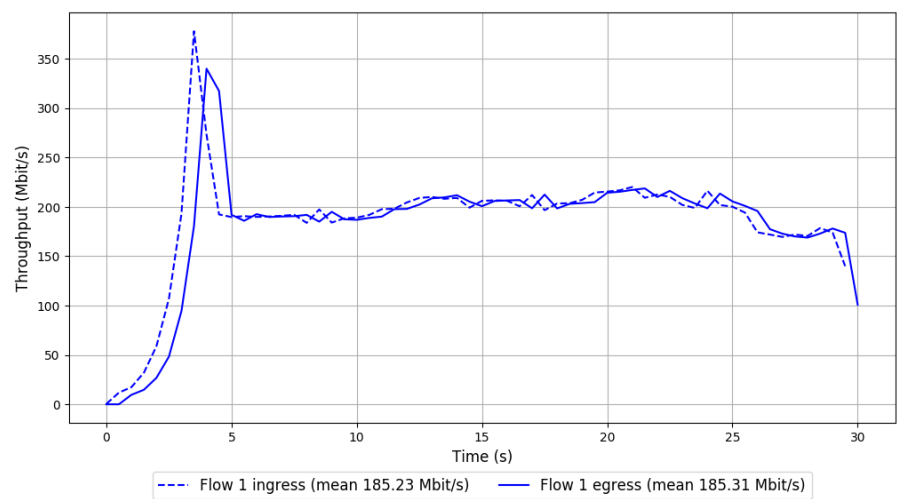


Run 5: Statistics of PCC-Expr

Start at: 2018-07-18 12:15:06
End at: 2018-07-18 12:15:36
Local clock offset: -0.202 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-07-18 15:26:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.31 Mbit/s
95th percentile per-packet one-way delay: 111.491 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 185.31 Mbit/s
95th percentile per-packet one-way delay: 111.491 ms
Loss rate: 0.70%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-18 12:37:40

End at: 2018-07-18 12:38:10

Local clock offset: 1.284 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-07-18 15:29:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.97 Mbit/s

95th percentile per-packet one-way delay: 189.566 ms

Loss rate: 2.19%

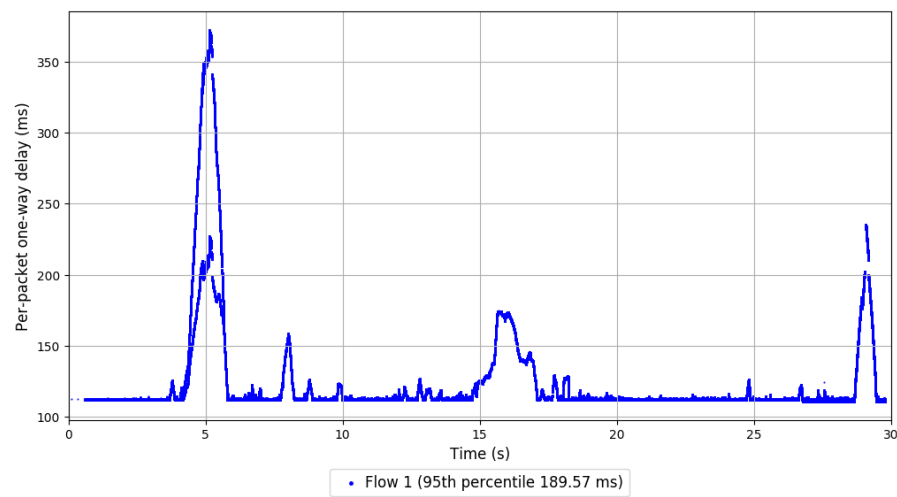
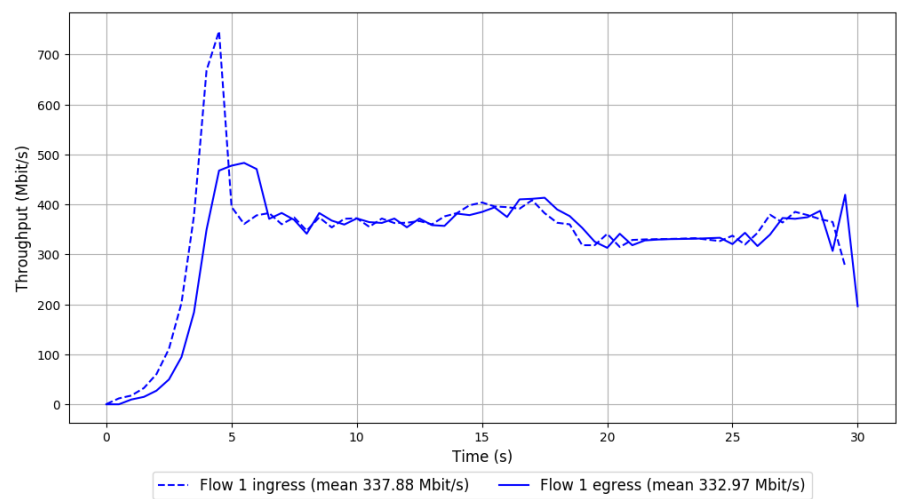
-- Flow 1:

Average throughput: 332.97 Mbit/s

95th percentile per-packet one-way delay: 189.566 ms

Loss rate: 2.19%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-18 13:00:26

End at: 2018-07-18 13:00:56

Local clock offset: 1.467 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-07-18 15:29:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.77 Mbit/s

95th percentile per-packet one-way delay: 113.269 ms

Loss rate: 0.92%

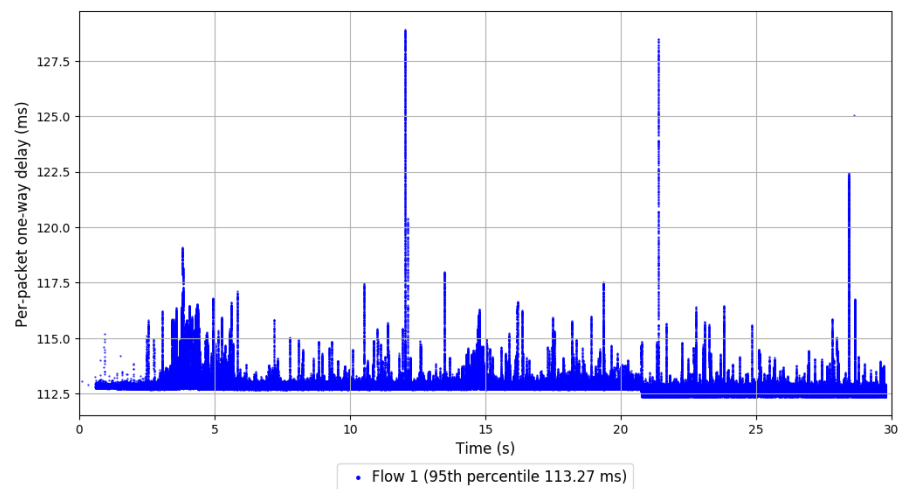
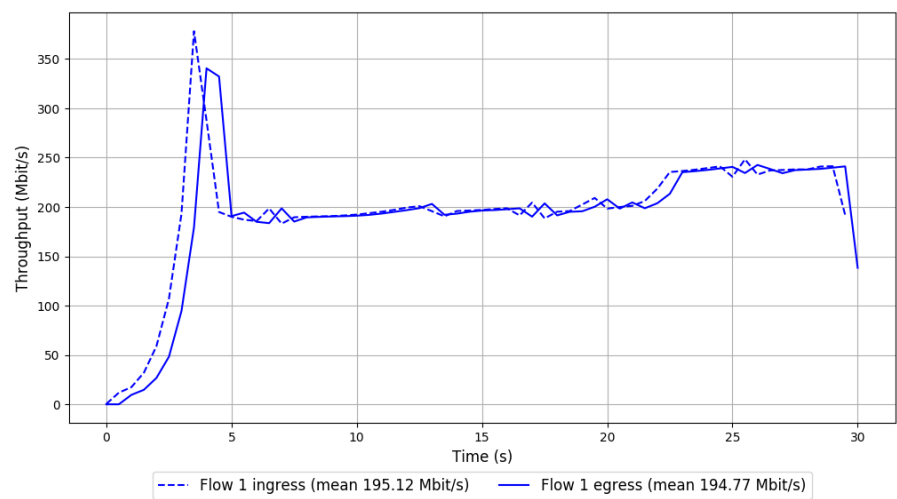
-- Flow 1:

Average throughput: 194.77 Mbit/s

95th percentile per-packet one-way delay: 113.269 ms

Loss rate: 0.92%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 13:22:53

End at: 2018-07-18 13:23:23

Local clock offset: 0.235 ms

Remote clock offset: 0.468 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.46 Mbit/s

95th percentile per-packet one-way delay: 125.032 ms

Loss rate: 0.81%

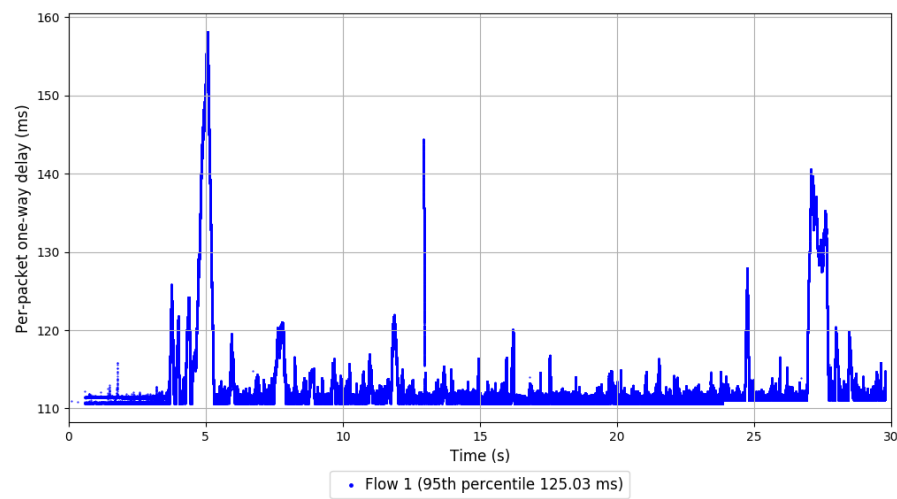
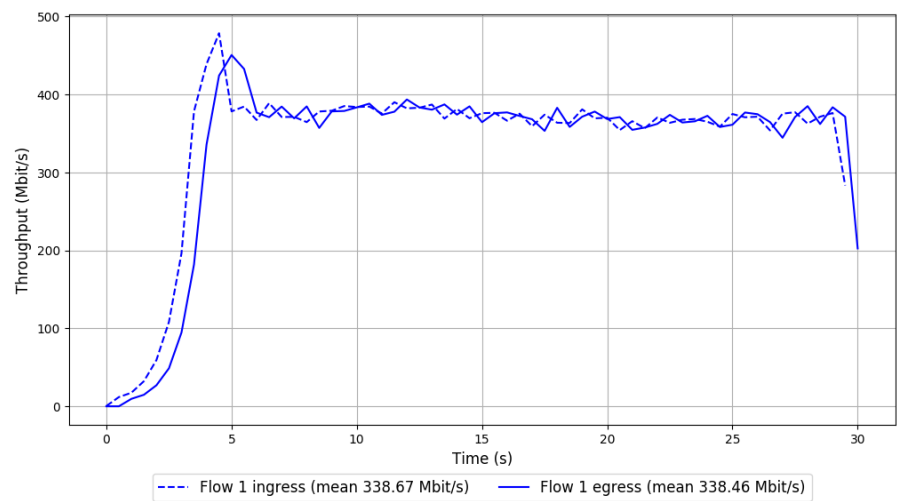
-- Flow 1:

Average throughput: 338.46 Mbit/s

95th percentile per-packet one-way delay: 125.032 ms

Loss rate: 0.81%

Run 8: Report of PCC-Expr — Data Link

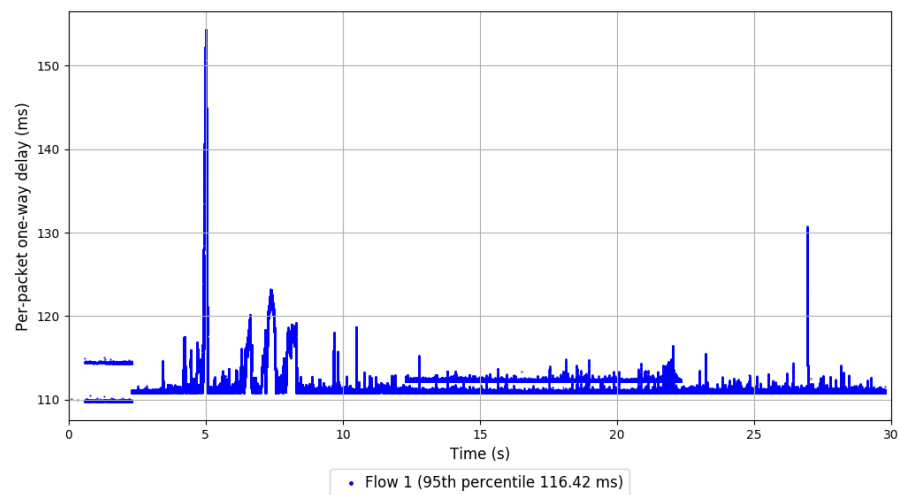
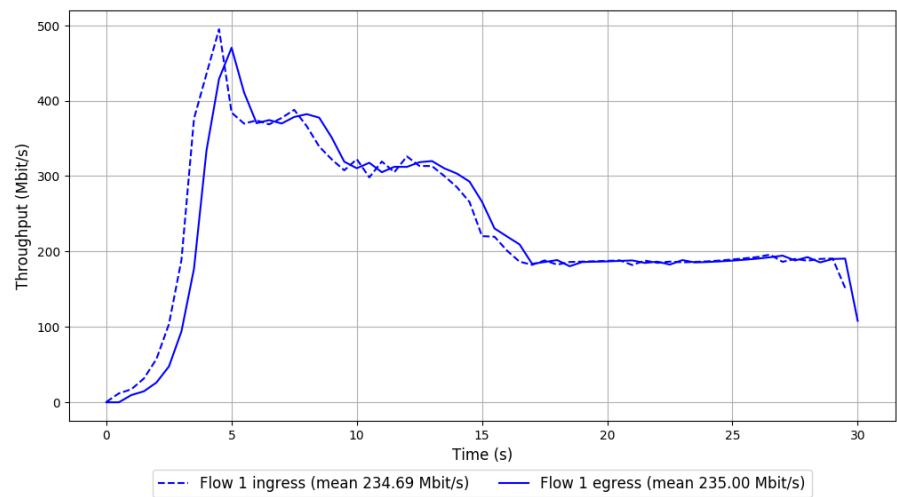


Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 13:45:55
End at: 2018-07-18 13:46:25
Local clock offset: -0.304 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.00 Mbit/s
95th percentile per-packet one-way delay: 116.422 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 235.00 Mbit/s
95th percentile per-packet one-way delay: 116.422 ms
Loss rate: 0.61%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 14:07:39

End at: 2018-07-18 14:08:09

Local clock offset: -0.069 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.99 Mbit/s

95th percentile per-packet one-way delay: 112.227 ms

Loss rate: 1.75%

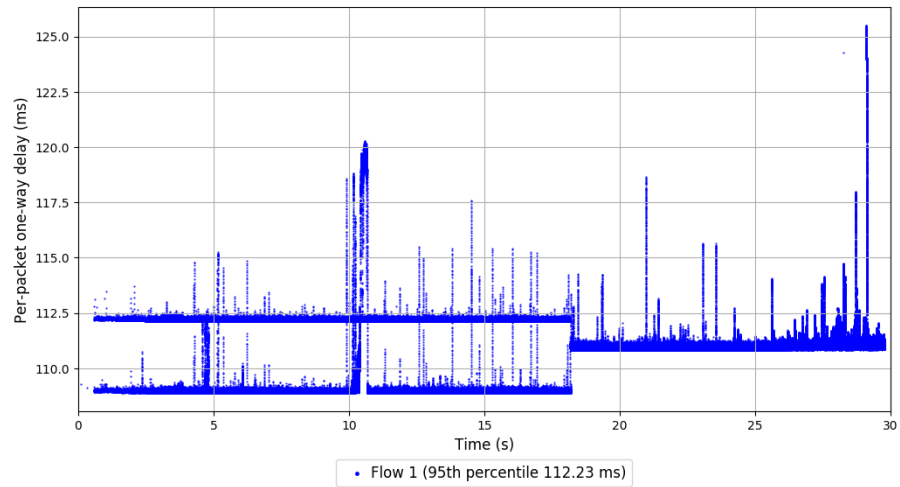
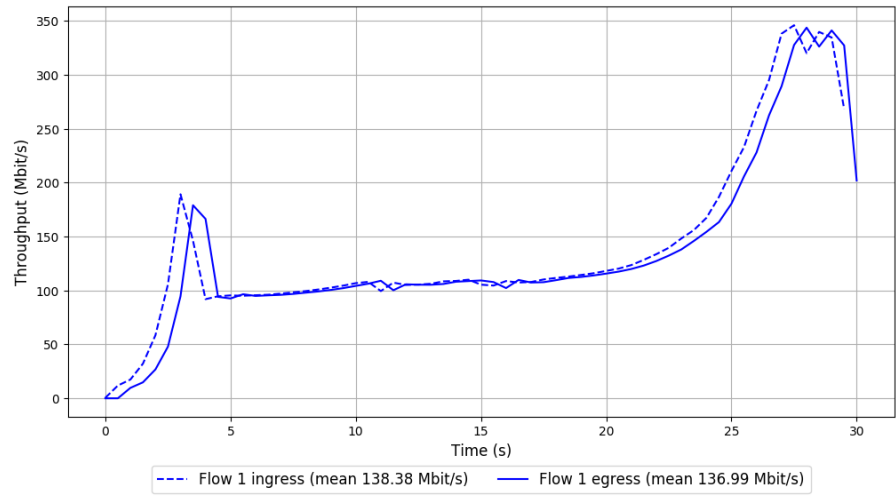
-- Flow 1:

Average throughput: 136.99 Mbit/s

95th percentile per-packet one-way delay: 112.227 ms

Loss rate: 1.75%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

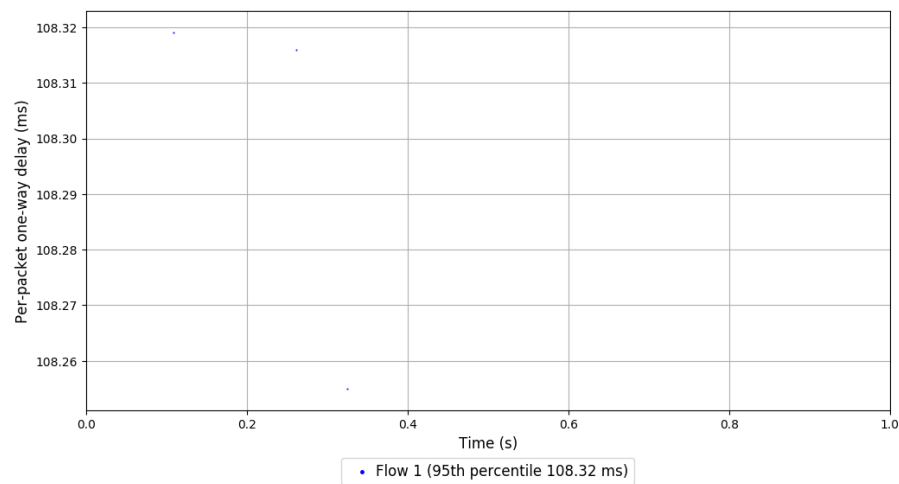
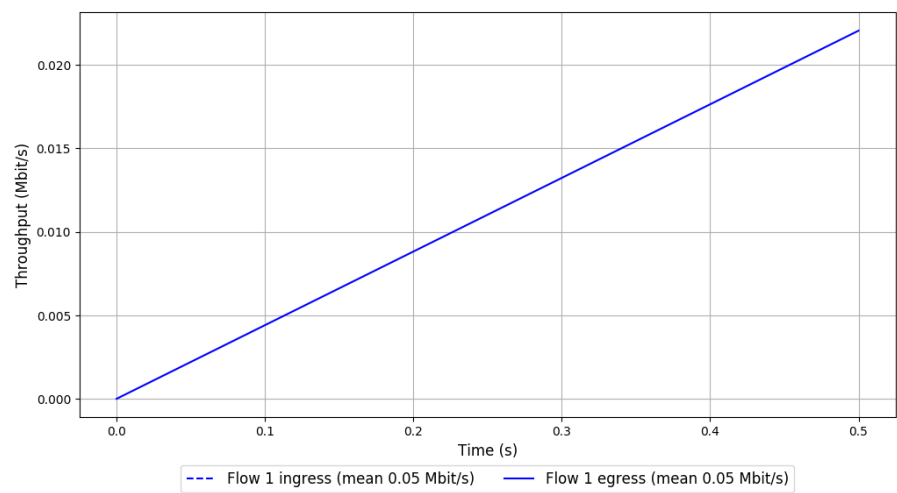
Start at: 2018-07-18 10:28:58

End at: 2018-07-18 10:29:28

Local clock offset: -0.069 ms

Remote clock offset: -0.14 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

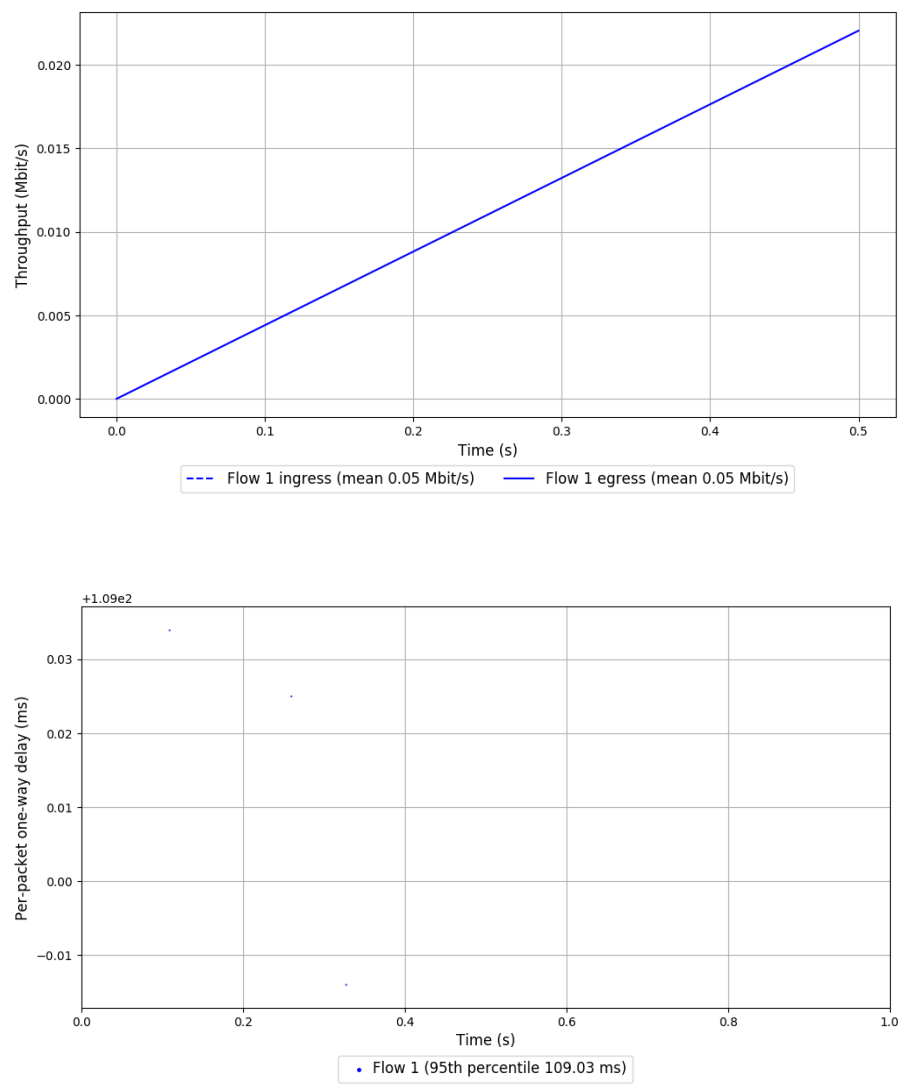
Start at: 2018-07-18 10:51:26

End at: 2018-07-18 10:51:56

Local clock offset: -0.278 ms

Remote clock offset: 0.171 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

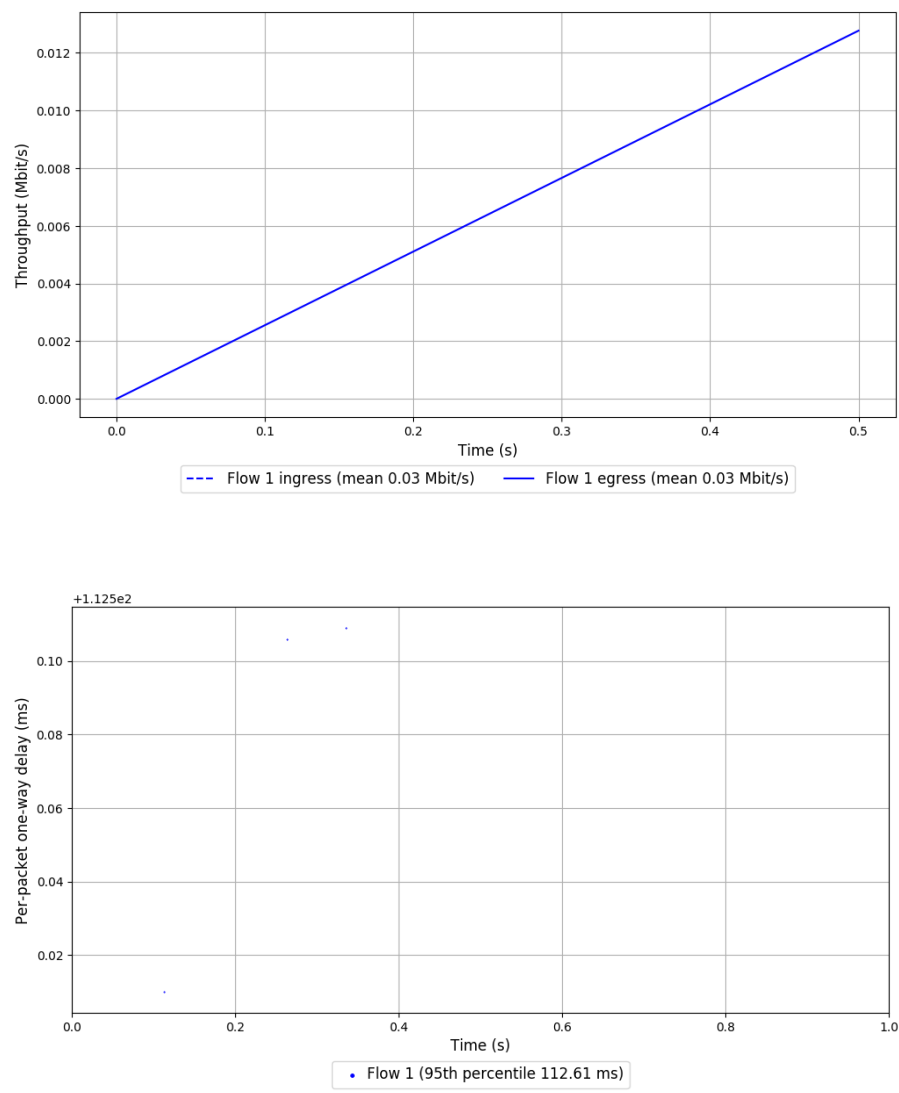
Start at: 2018-07-18 11:13:56

End at: 2018-07-18 11:14:26

Local clock offset: -0.105 ms

Remote clock offset: -0.215 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

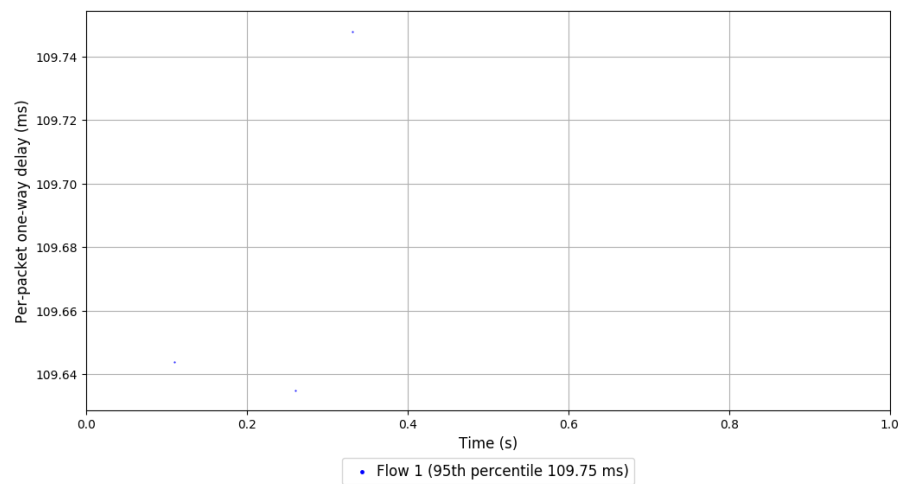
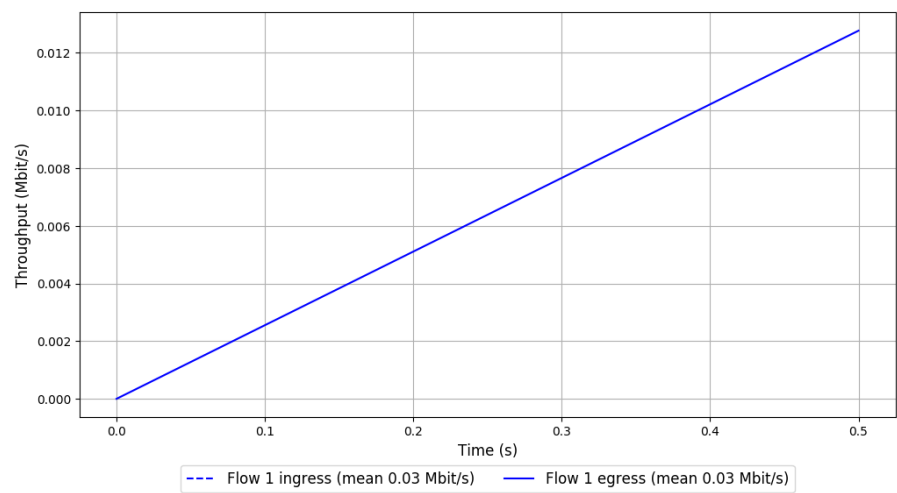
Start at: 2018-07-18 11:36:42

End at: 2018-07-18 11:37:12

Local clock offset: -0.087 ms

Remote clock offset: -0.182 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

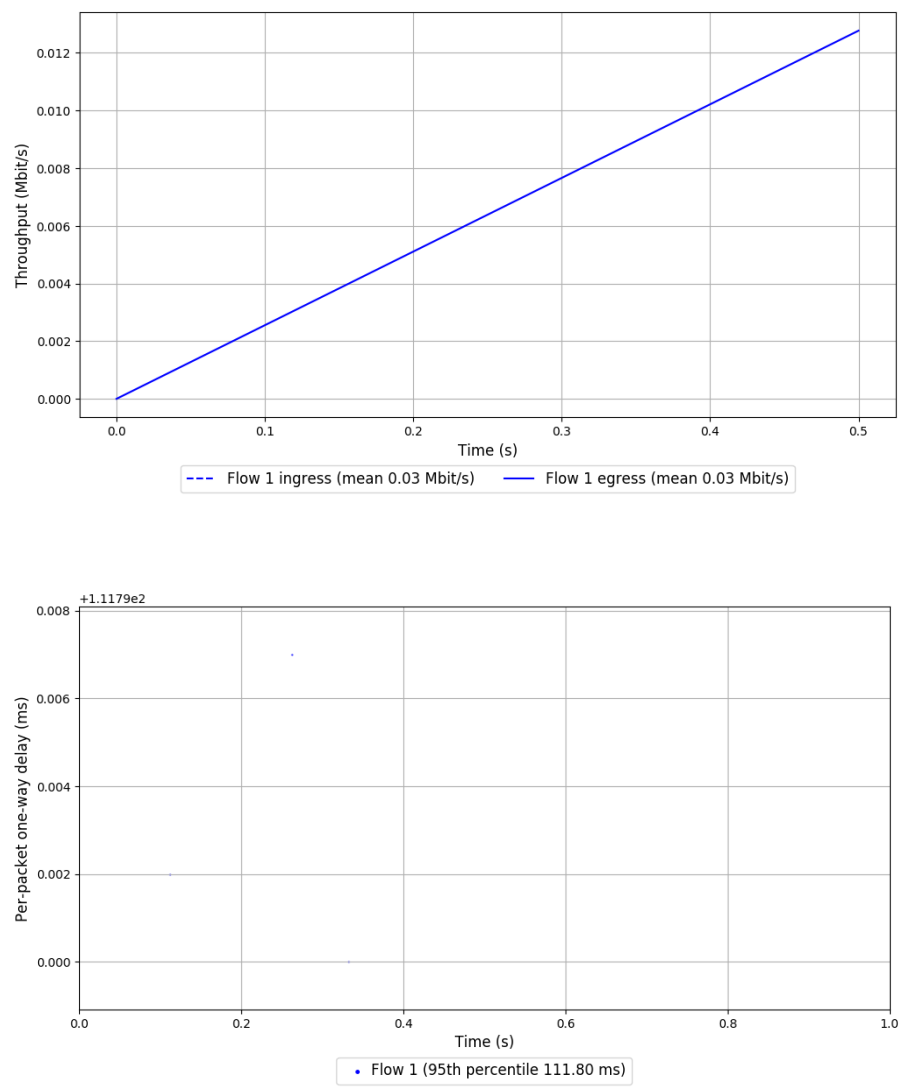
Start at: 2018-07-18 11:59:10

End at: 2018-07-18 11:59:40

Local clock offset: -0.088 ms

Remote clock offset: -0.268 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

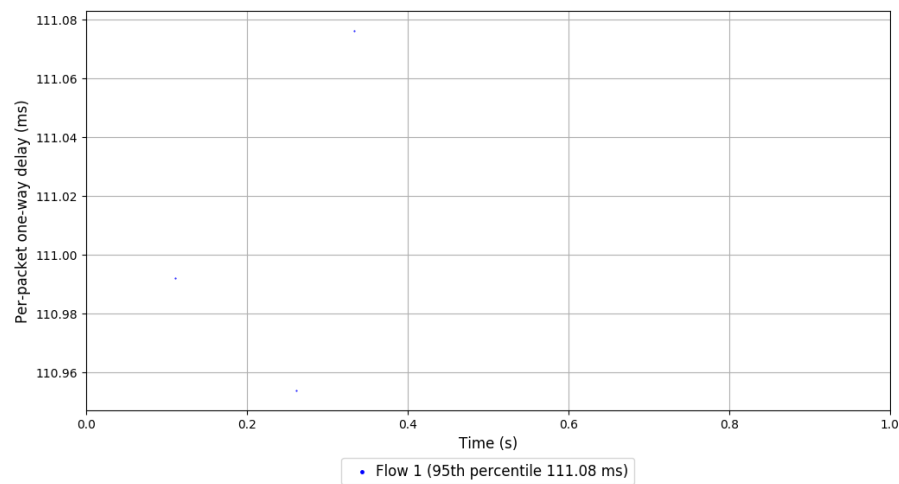
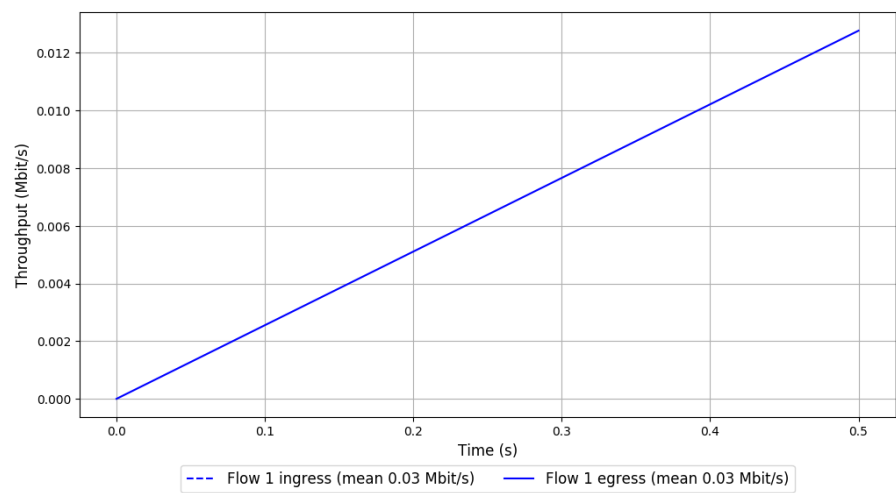
Start at: 2018-07-18 12:21:39

End at: 2018-07-18 12:22:09

Local clock offset: -0.201 ms

Remote clock offset: 0.535 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

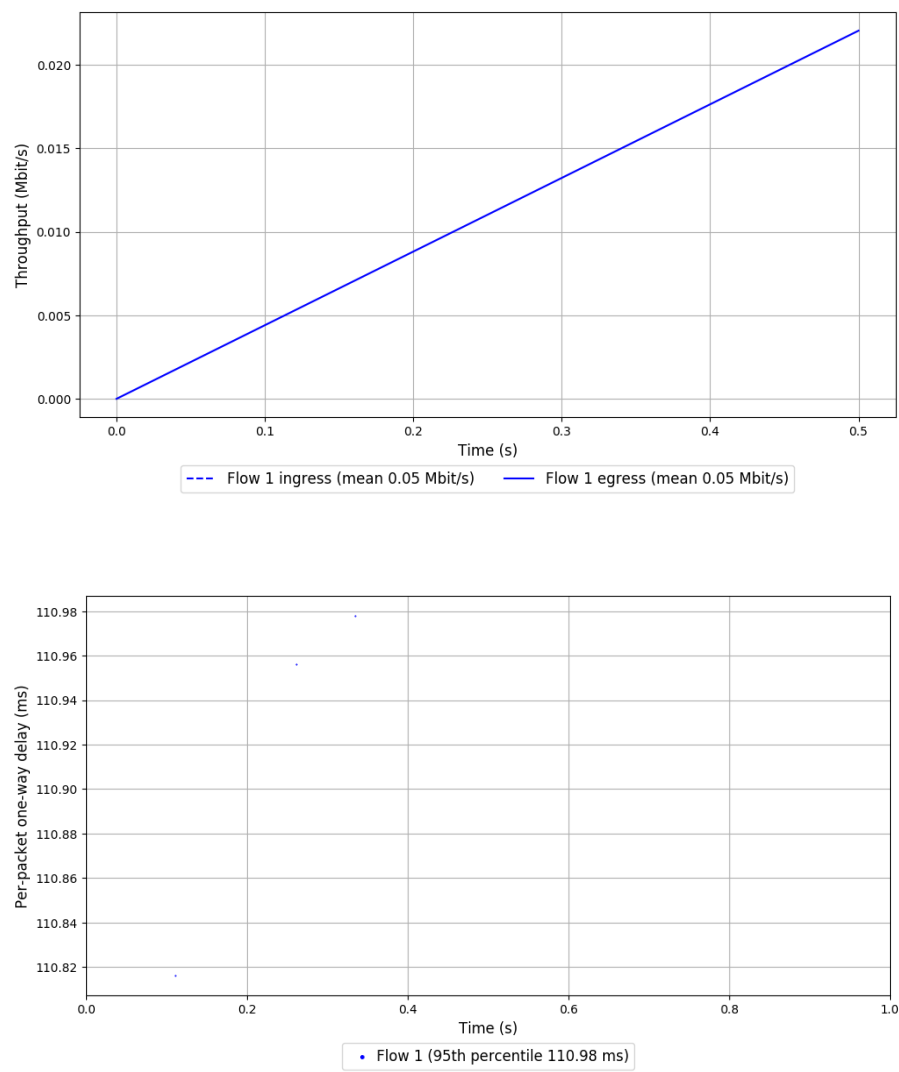
Start at: 2018-07-18 12:44:29

End at: 2018-07-18 12:44:59

Local clock offset: -0.225 ms

Remote clock offset: 0.245 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

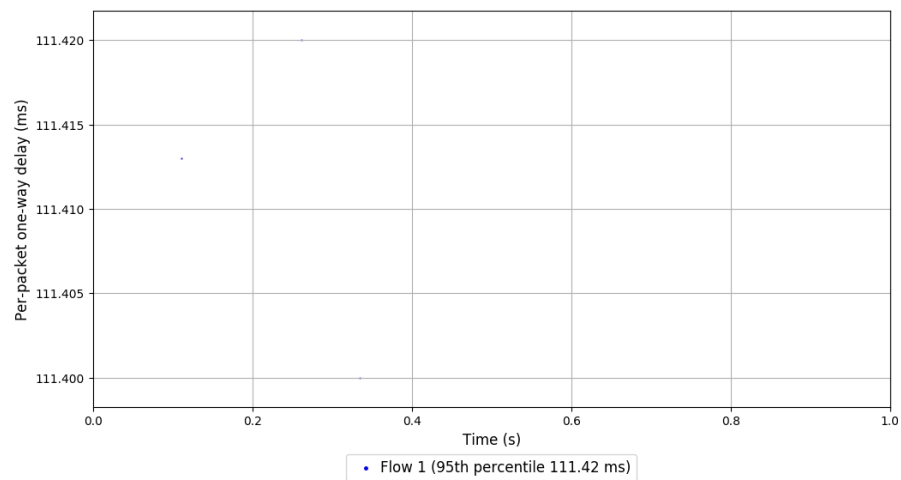
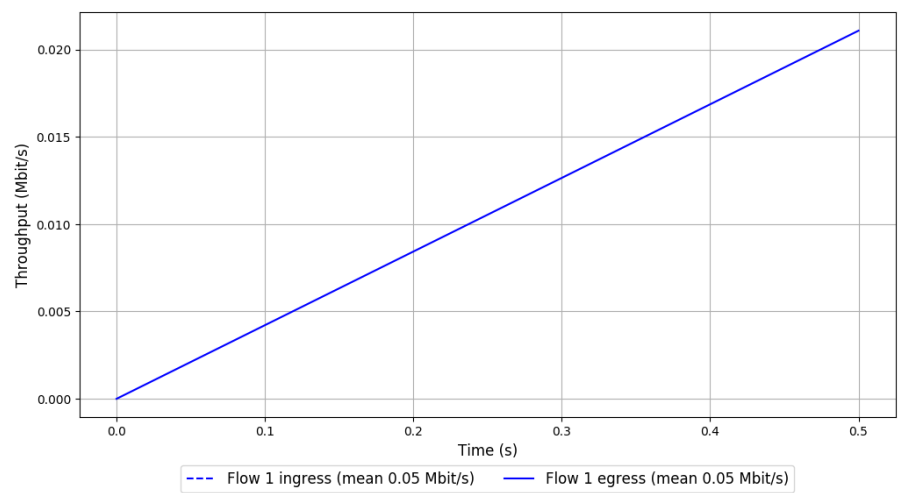
Start at: 2018-07-18 13:07:03

End at: 2018-07-18 13:07:33

Local clock offset: -0.157 ms

Remote clock offset: 0.356 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

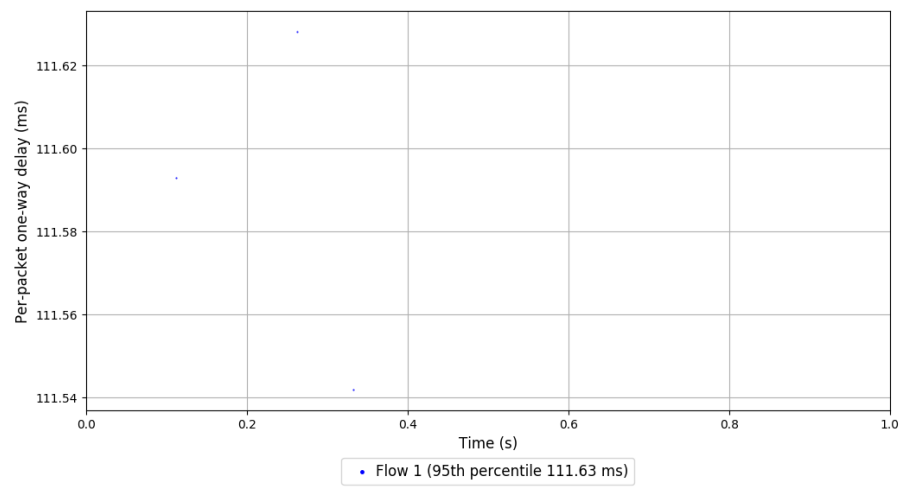
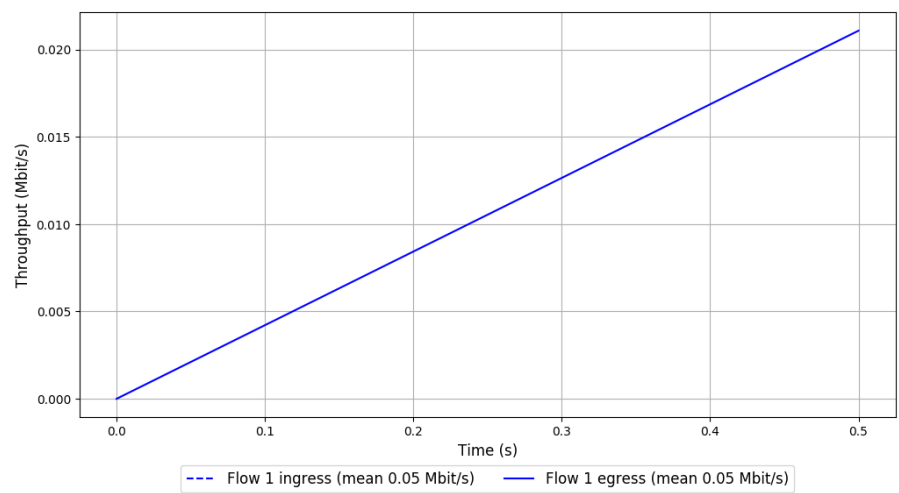
Start at: 2018-07-18 13:29:47

End at: 2018-07-18 13:30:17

Local clock offset: -0.011 ms

Remote clock offset: -0.339 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

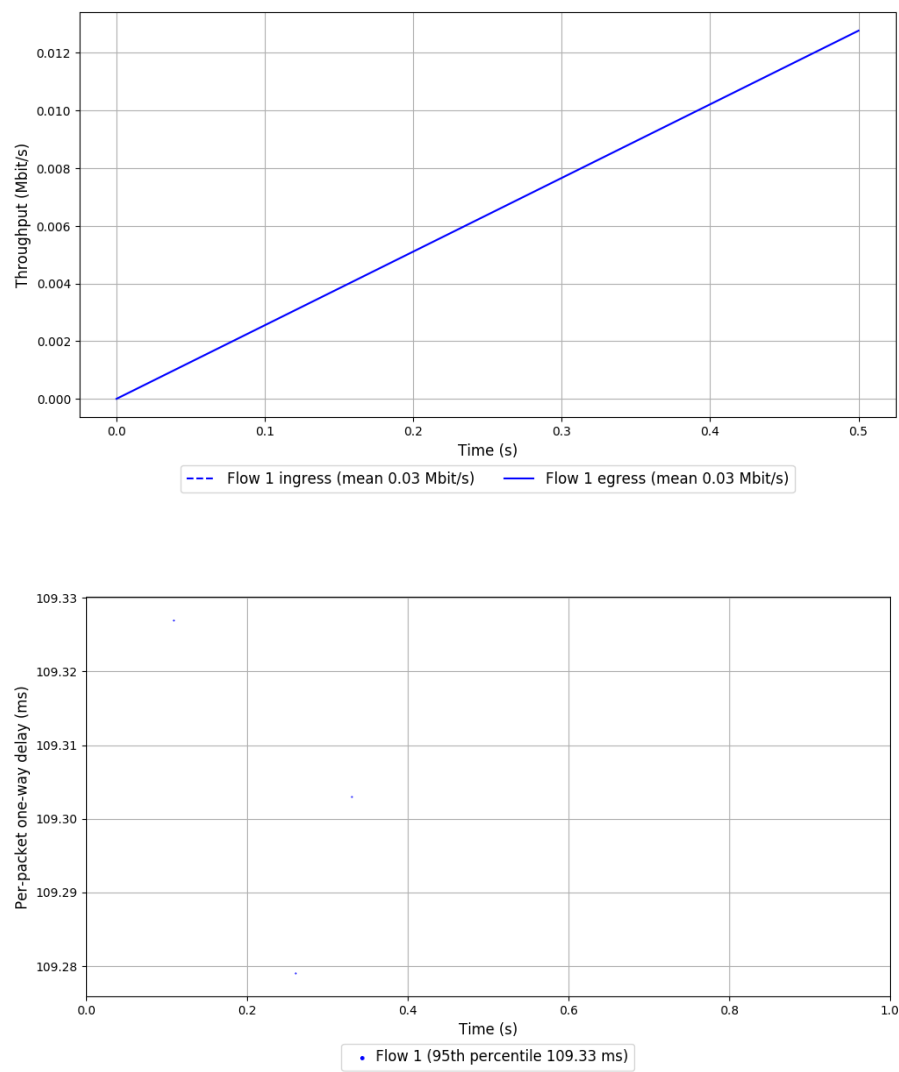
Start at: 2018-07-18 13:52:24

End at: 2018-07-18 13:52:54

Local clock offset: -0.158 ms

Remote clock offset: -0.076 ms

Run 10: Report of QUIC Cubic — Data Link

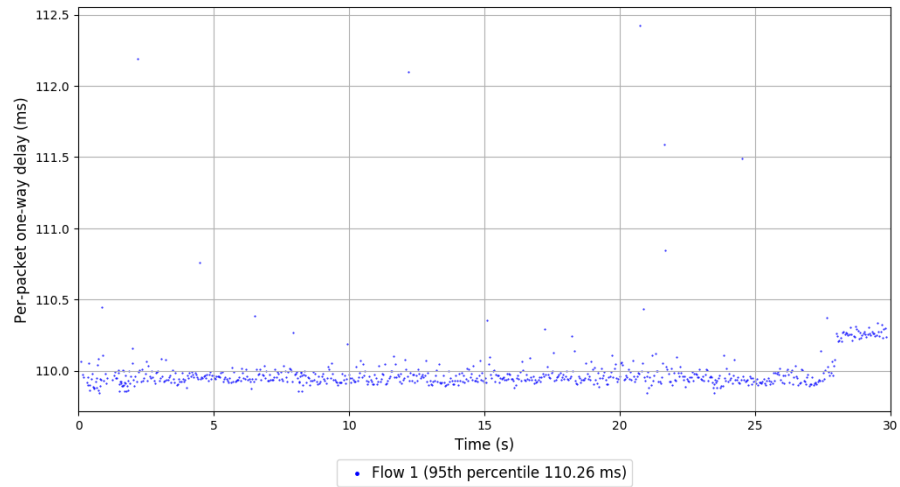
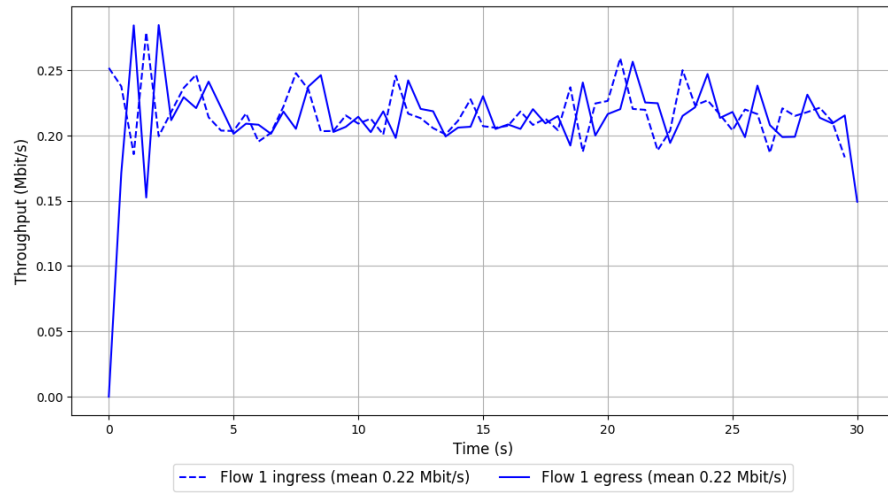


Run 1: Statistics of SCReAM

Start at: 2018-07-18 10:38:19
End at: 2018-07-18 10:38:49
Local clock offset: -1.592 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.256 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.256 ms
Loss rate: 0.64%

Run 1: Report of SReAM — Data Link

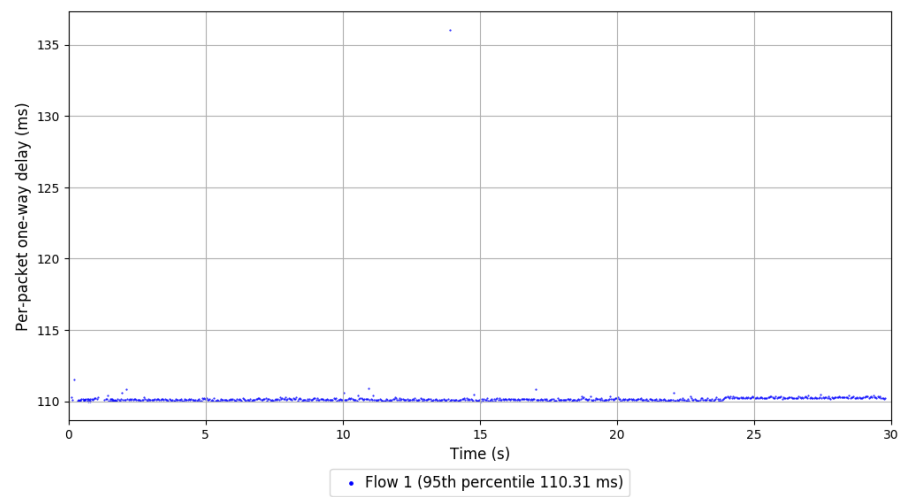
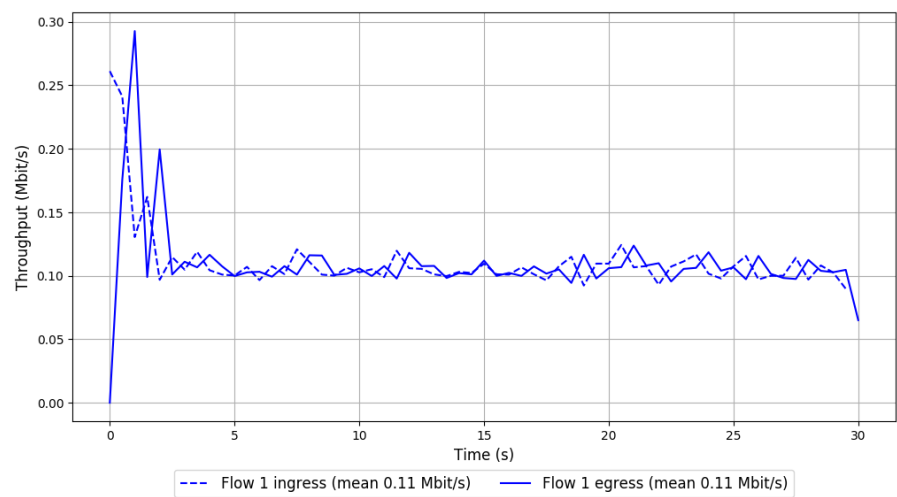


Run 2: Statistics of SCReAM

Start at: 2018-07-18 11:00:53
End at: 2018-07-18 11:01:23
Local clock offset: -1.517 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 110.315 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 110.315 ms
Loss rate: 0.73%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-18 11:23:31

End at: 2018-07-18 11:24:01

Local clock offset: -0.057 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.204 ms

Loss rate: 0.77%

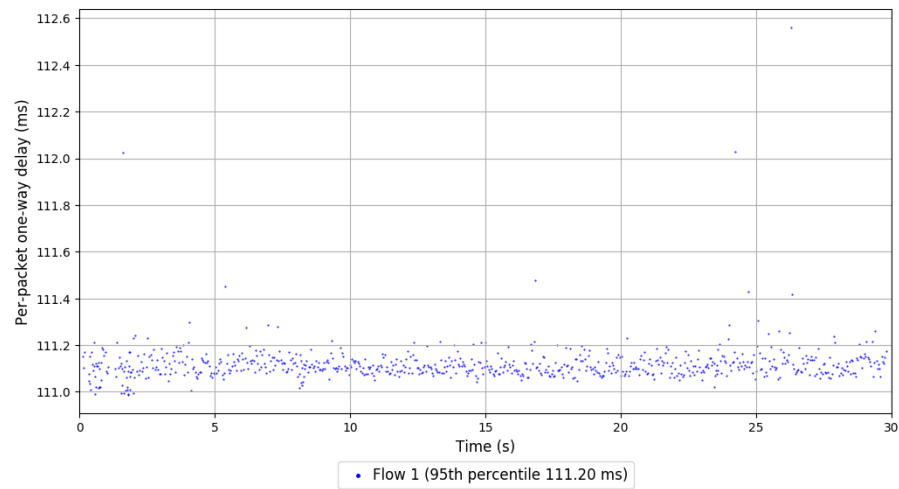
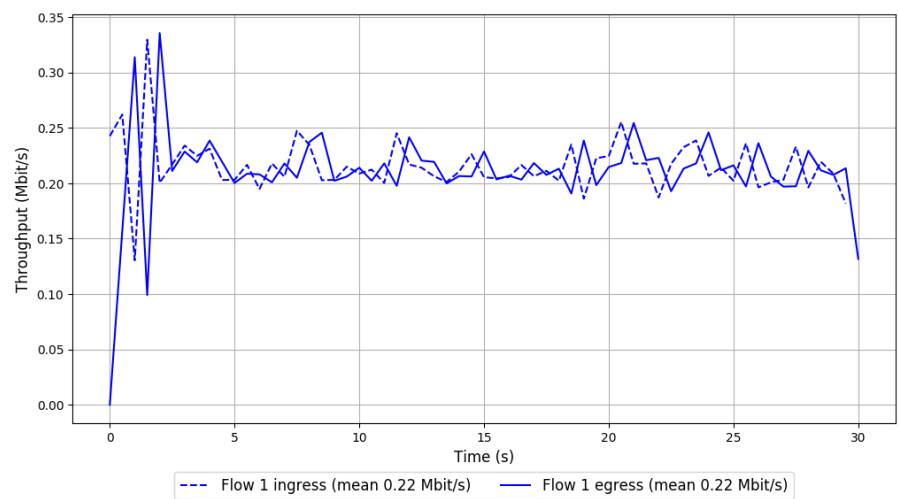
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.204 ms

Loss rate: 0.77%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-18 11:46:09

End at: 2018-07-18 11:46:39

Local clock offset: -0.186 ms

Remote clock offset: 0.352 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.031 ms

Loss rate: 0.76%

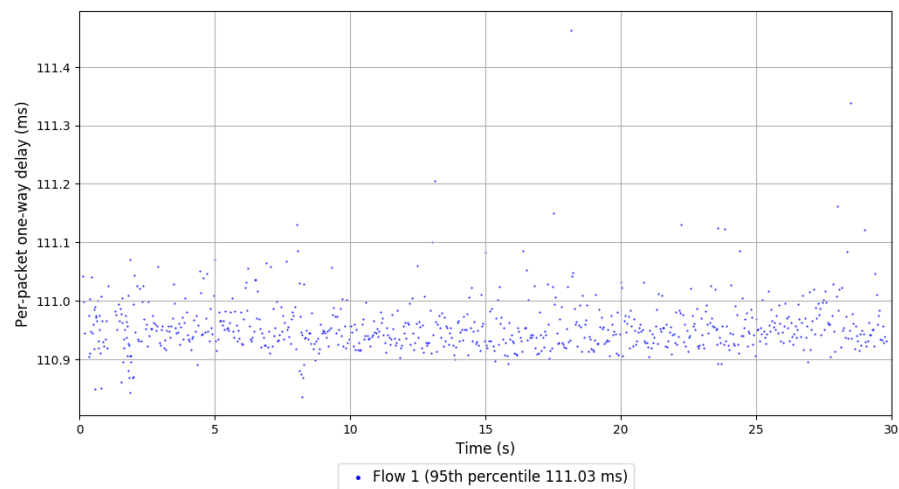
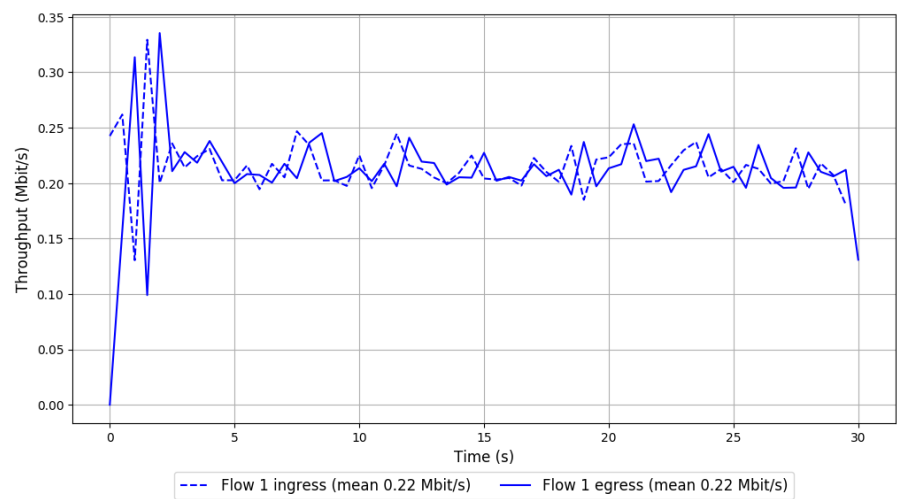
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.031 ms

Loss rate: 0.76%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-18 12:08:45

End at: 2018-07-18 12:09:16

Local clock offset: -0.09 ms

Remote clock offset: 0.436 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.038 ms

Loss rate: 0.76%

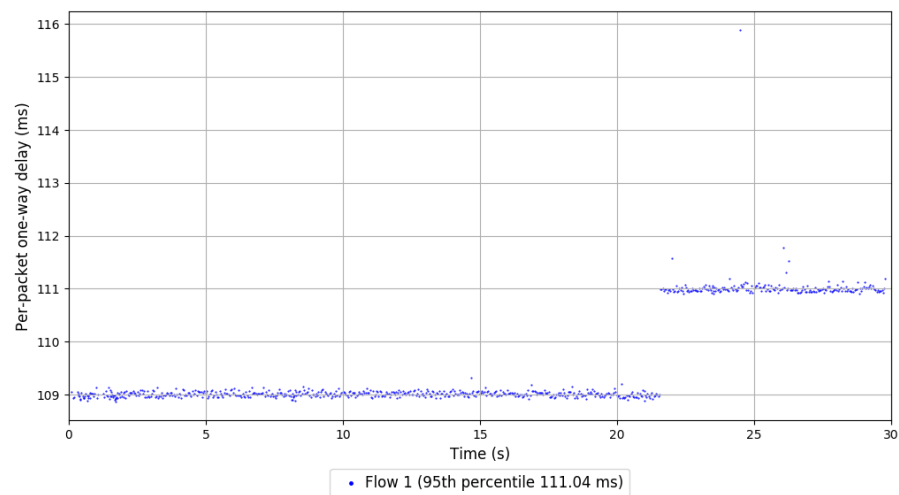
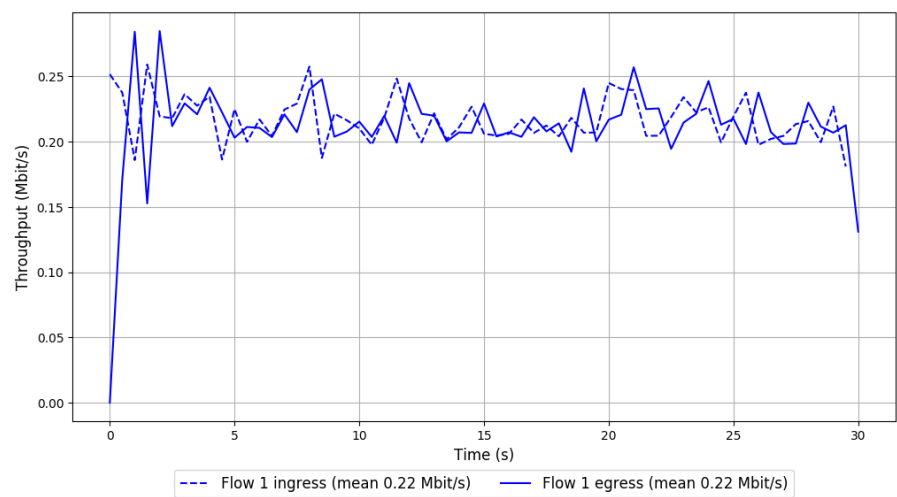
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.038 ms

Loss rate: 0.76%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-18 12:31:10

End at: 2018-07-18 12:31:40

Local clock offset: -1.211 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.206 ms

Loss rate: 0.77%

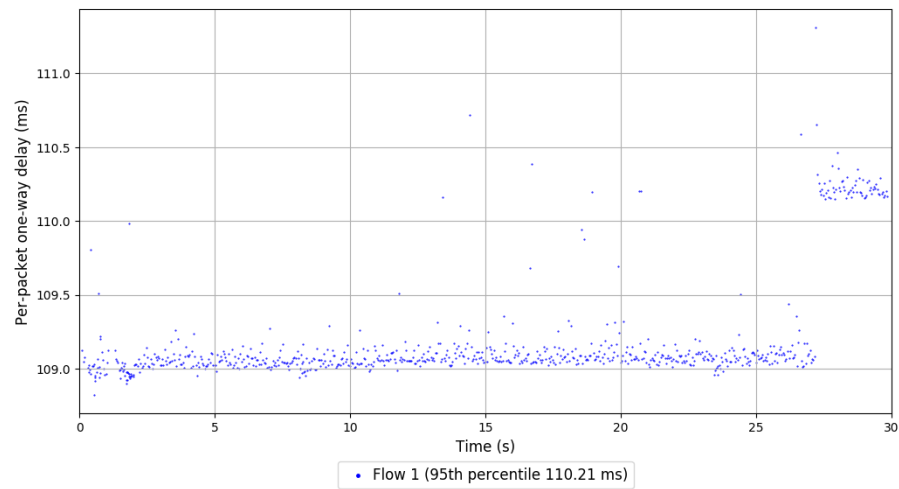
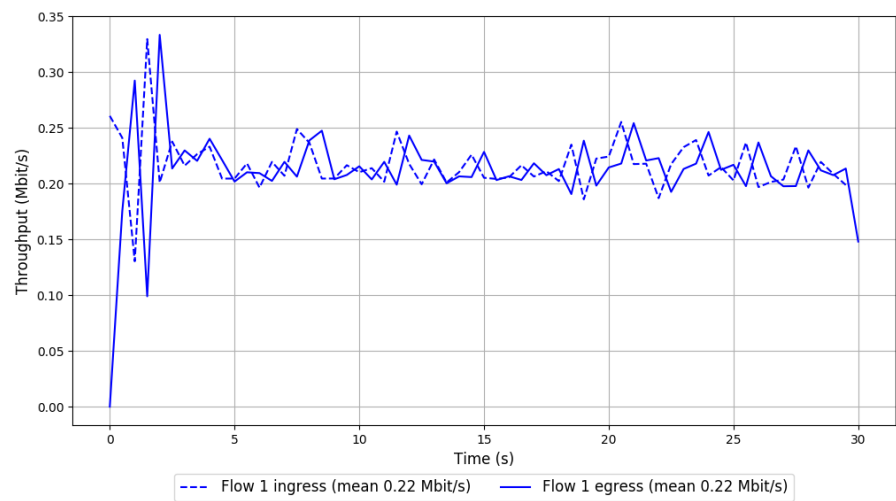
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.206 ms

Loss rate: 0.77%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-18 12:54:02

End at: 2018-07-18 12:54:32

Local clock offset: 0.065 ms

Remote clock offset: 0.284 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.553 ms

Loss rate: 0.64%

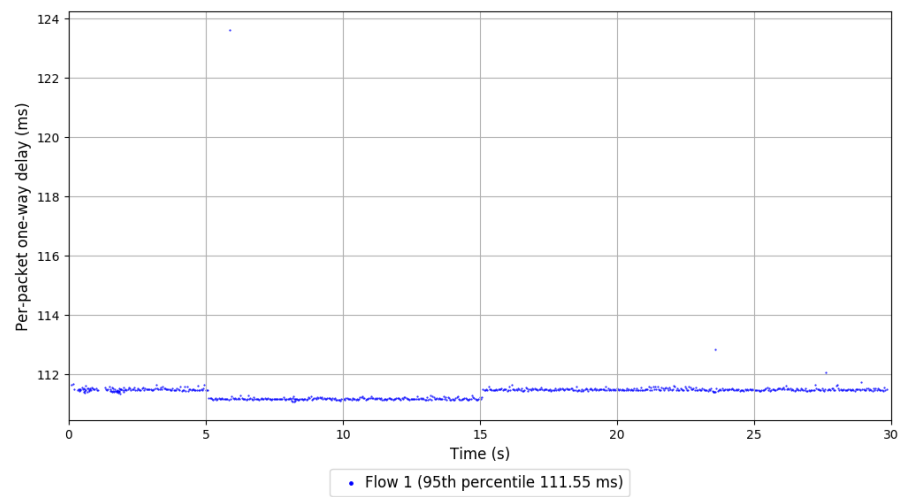
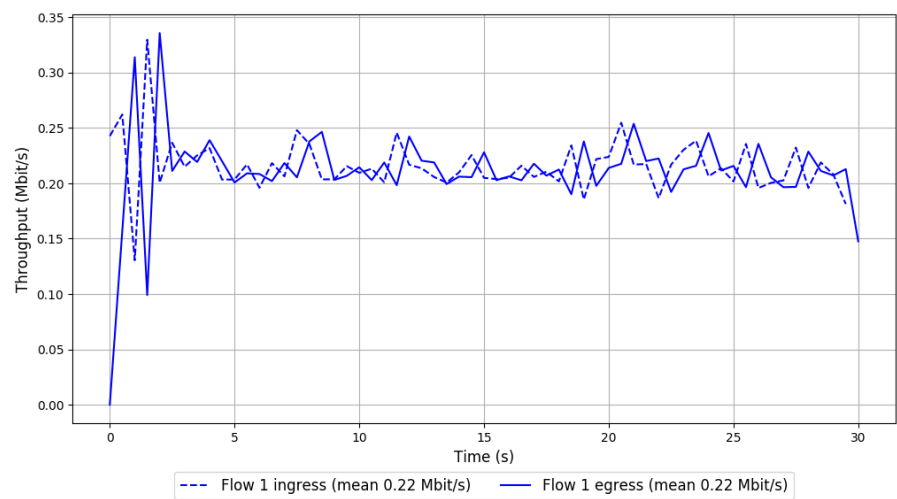
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.553 ms

Loss rate: 0.64%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-18 13:16:29

End at: 2018-07-18 13:16:59

Local clock offset: 0.205 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.536 ms

Loss rate: 0.64%

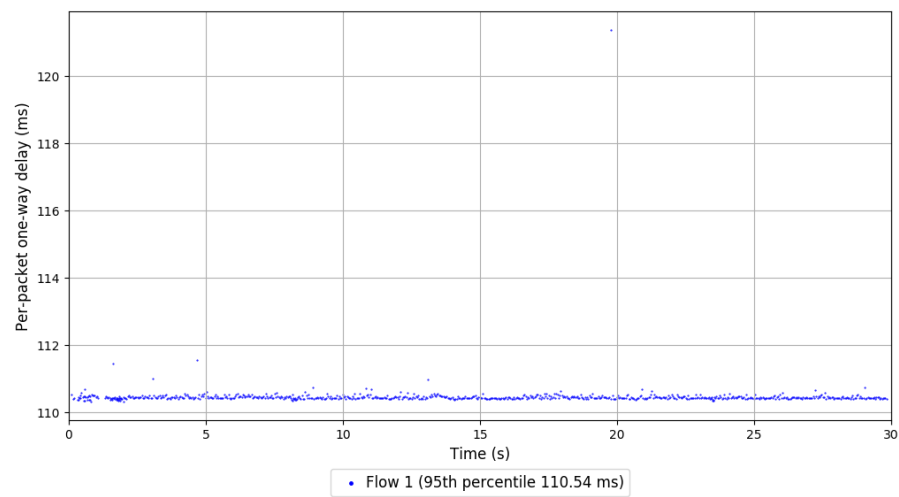
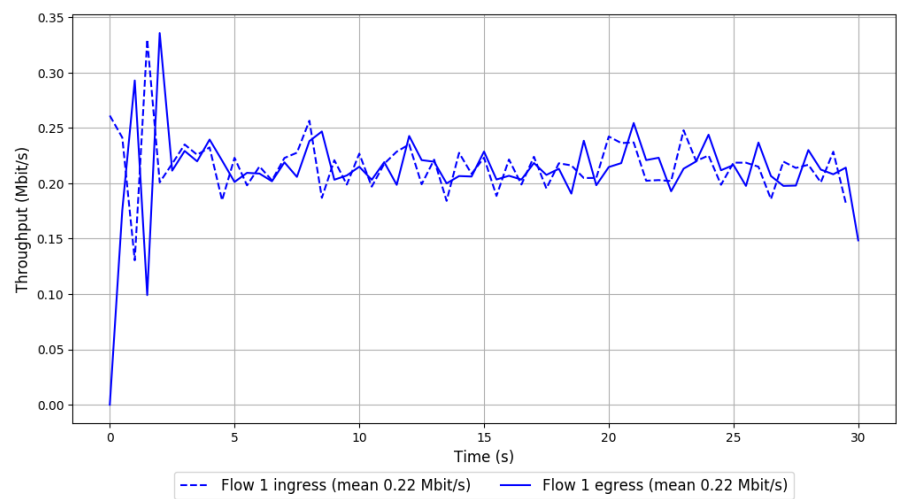
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.536 ms

Loss rate: 0.64%

Run 8: Report of SReAM — Data Link

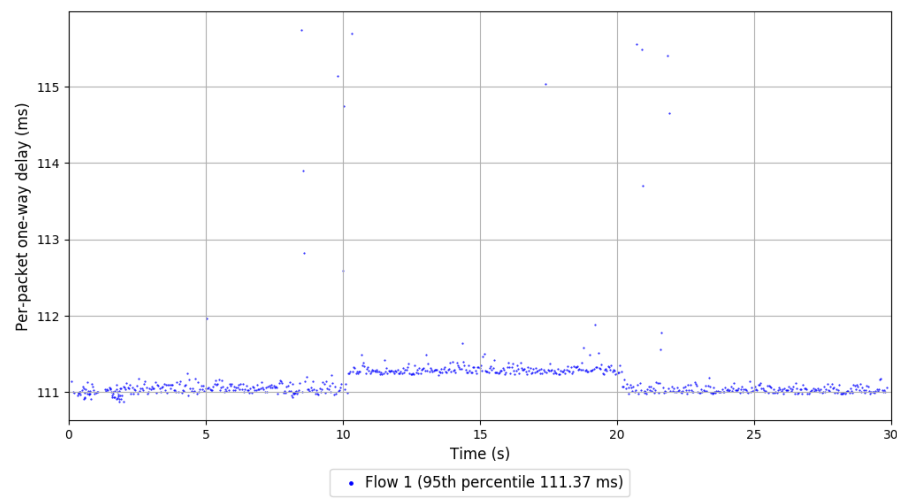
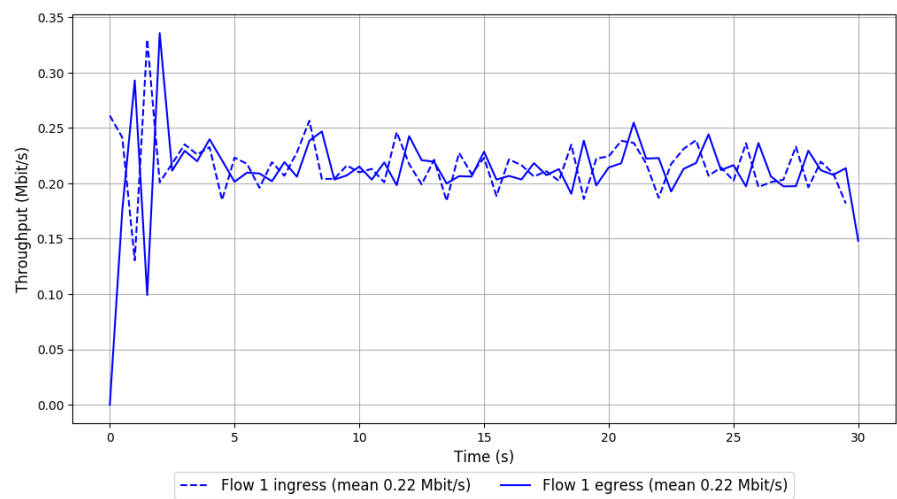


Run 9: Statistics of SCReAM

Start at: 2018-07-18 13:39:27
End at: 2018-07-18 13:39:57
Local clock offset: 0.162 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.368 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.368 ms
Loss rate: 0.64%

Run 9: Report of SReAM — Data Link

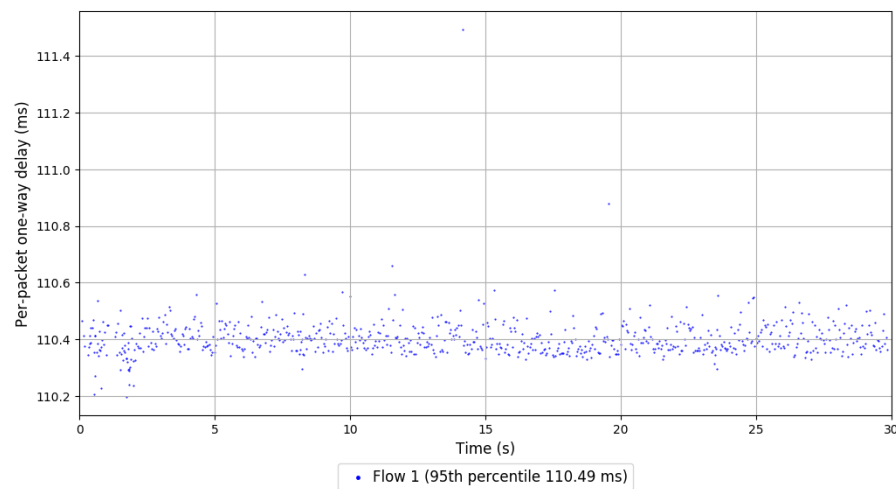
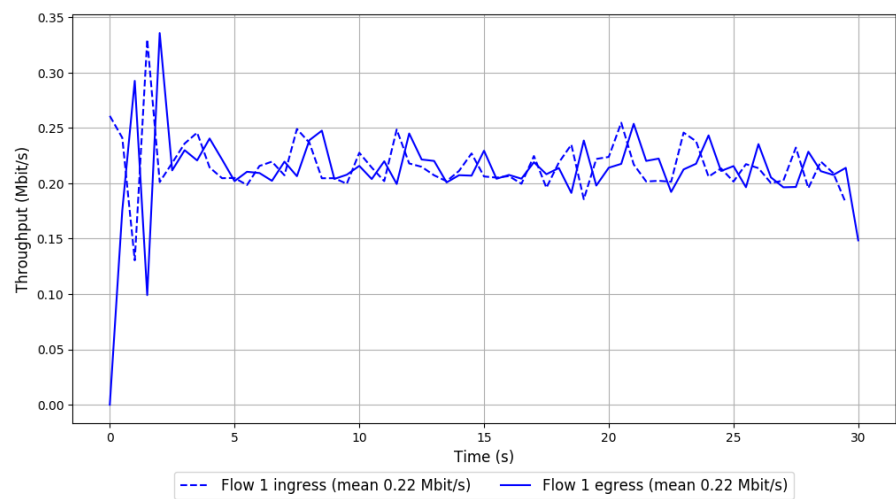


Run 10: Statistics of SCReAM

Start at: 2018-07-18 14:01:15
End at: 2018-07-18 14:01:45
Local clock offset: -0.1 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.493 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.493 ms
Loss rate: 0.64%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-18 10:43:41

End at: 2018-07-18 10:44:11

Local clock offset: 0.038 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 111.451 ms

Loss rate: 0.89%

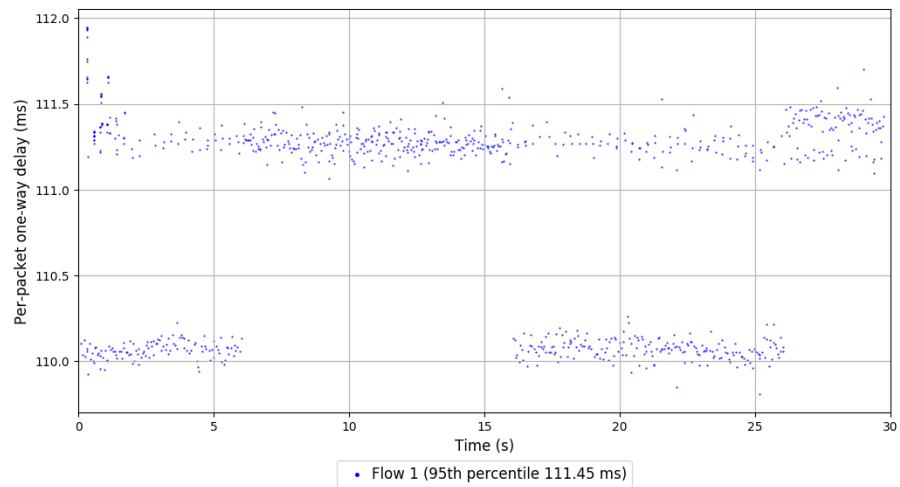
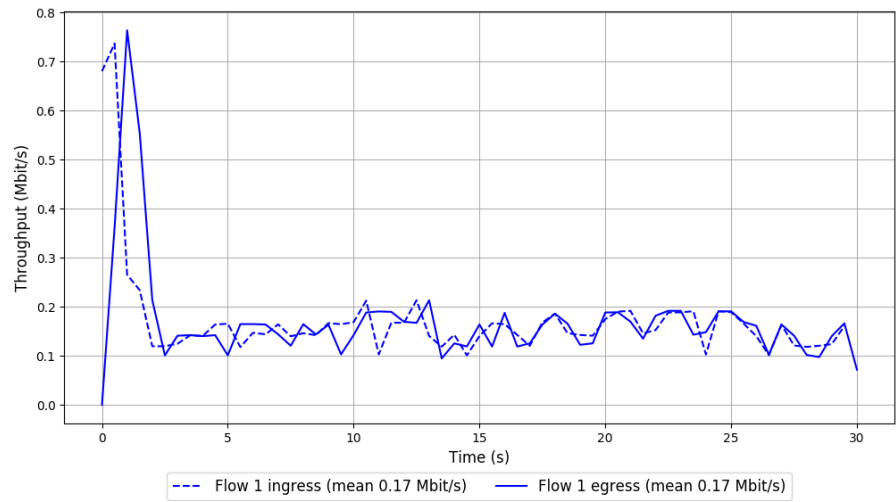
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 111.451 ms

Loss rate: 0.89%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-18 11:06:07

End at: 2018-07-18 11:06:37

Local clock offset: -0.2 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.234 ms

Loss rate: 0.85%

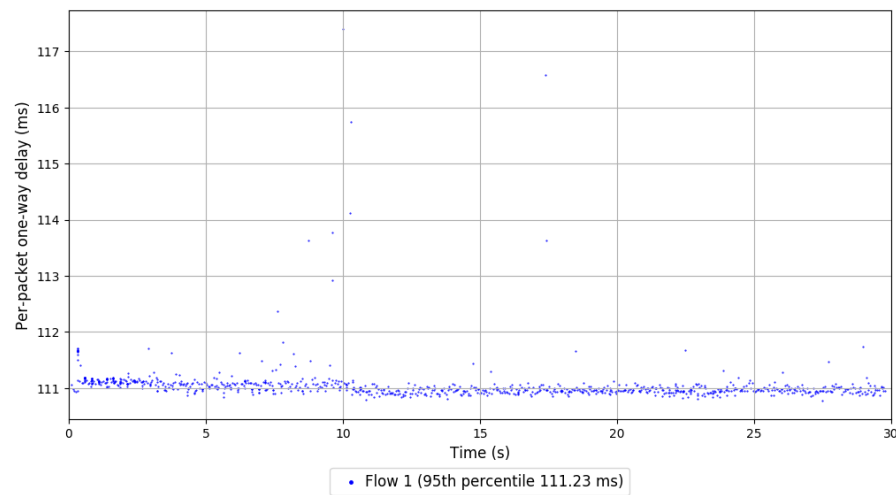
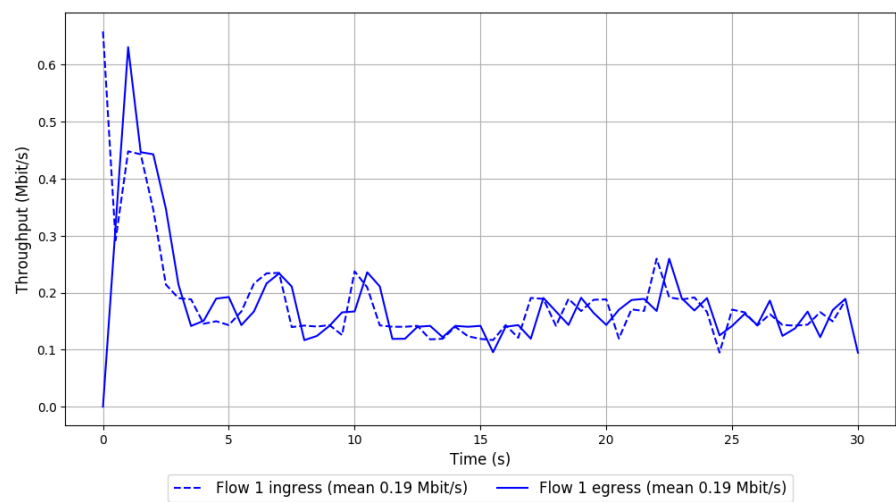
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.234 ms

Loss rate: 0.85%

Run 2: Report of Sprout — Data Link

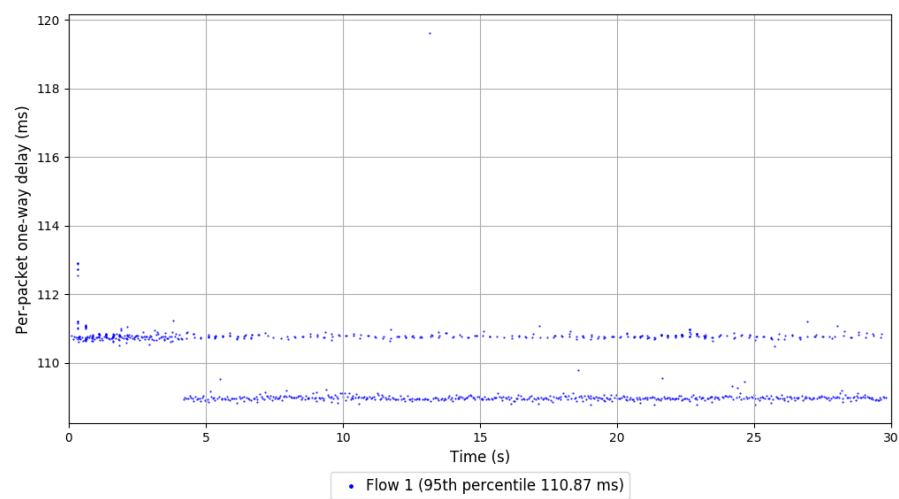
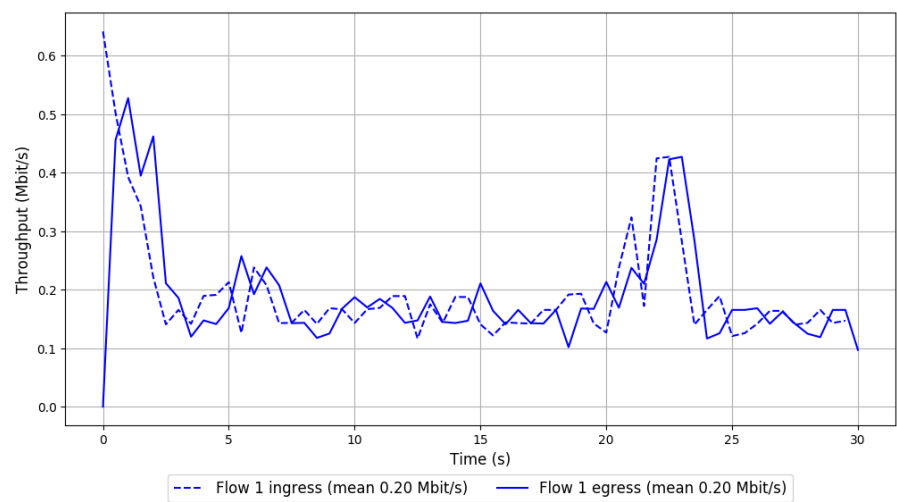


Run 3: Statistics of Sprout

Start at: 2018-07-18 11:28:53
End at: 2018-07-18 11:29:23
Local clock offset: -0.355 ms
Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.868 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.868 ms
Loss rate: 0.80%

Run 3: Report of Sprout — Data Link

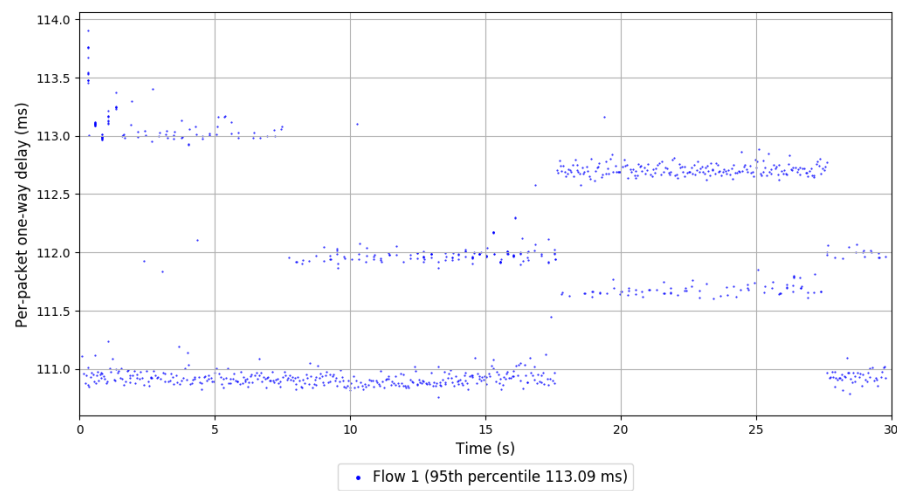
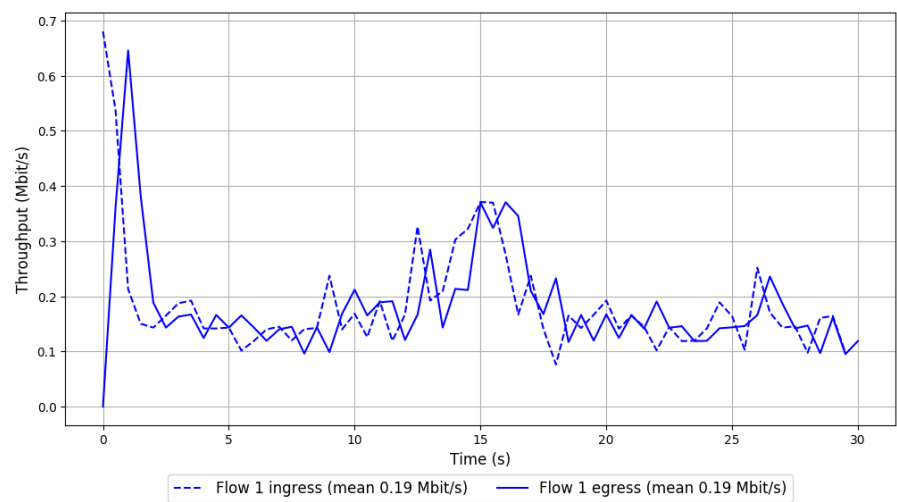


Run 4: Statistics of Sprout

Start at: 2018-07-18 11:51:19
End at: 2018-07-18 11:51:49
Local clock offset: 1.212 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 113.089 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 113.089 ms
Loss rate: 0.46%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-18 12:13:59

End at: 2018-07-18 12:14:29

Local clock offset: -0.182 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.468 ms

Loss rate: 0.86%

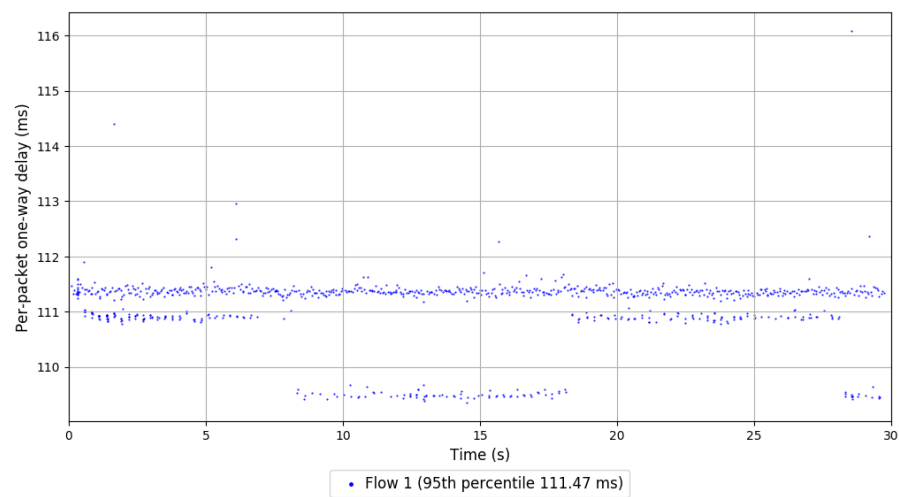
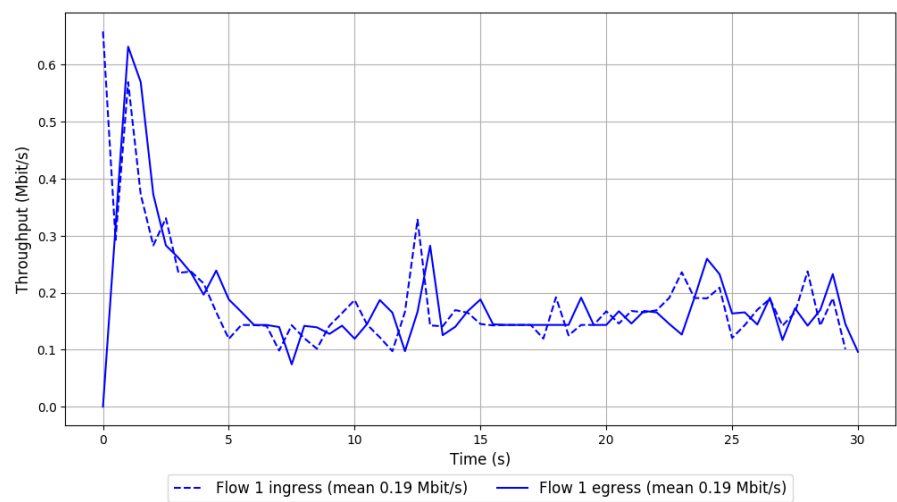
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.468 ms

Loss rate: 0.86%

Run 5: Report of Sprout — Data Link

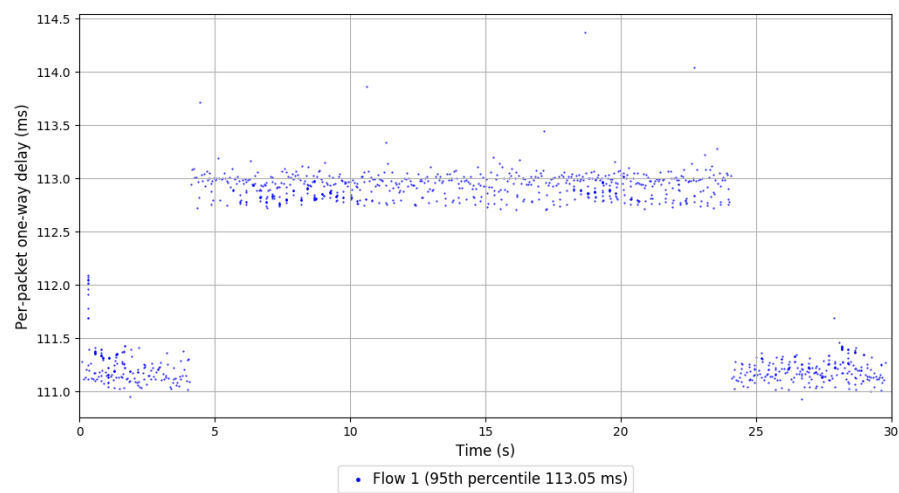
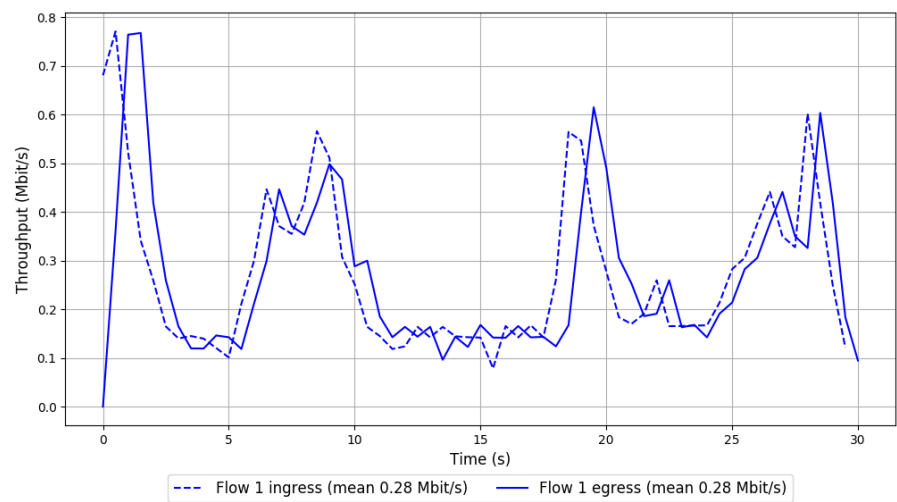


Run 6: Statistics of Sprout

Start at: 2018-07-18 12:36:33
End at: 2018-07-18 12:37:03
Local clock offset: 1.25 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 113.054 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 113.054 ms
Loss rate: 0.58%

Run 6: Report of Sprout — Data Link

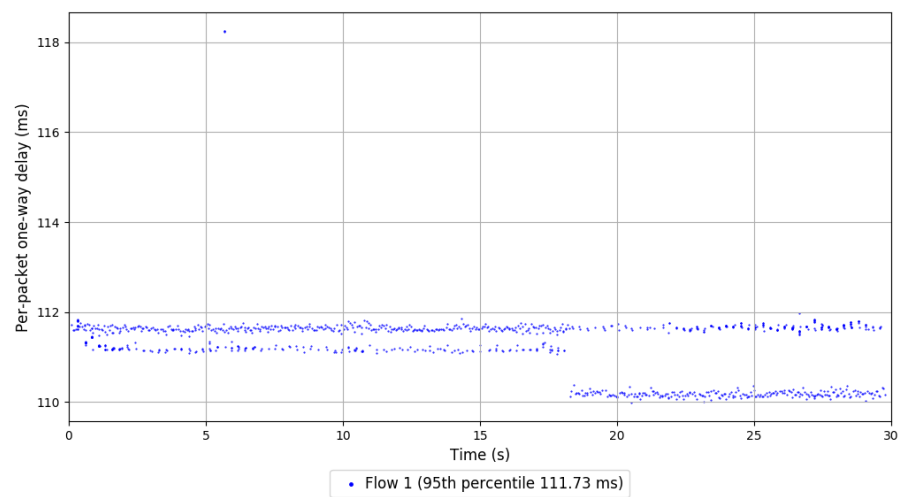
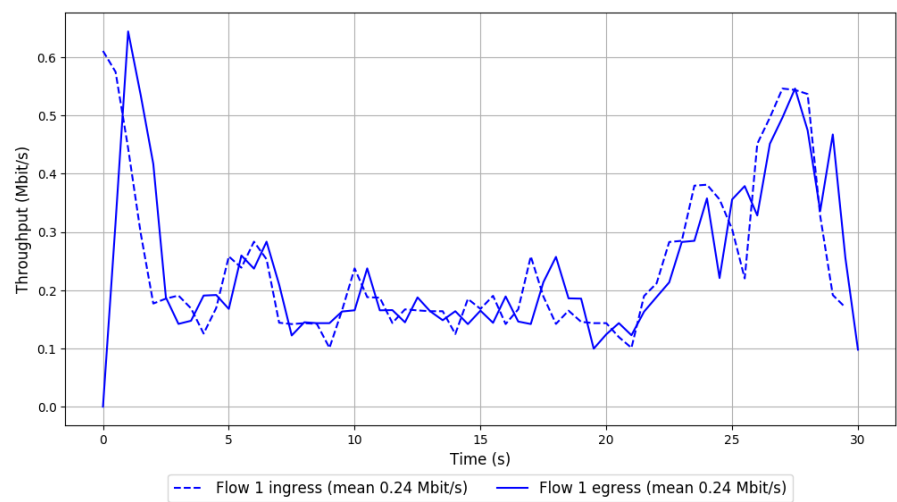


Run 7: Statistics of Sprout

Start at: 2018-07-18 12:59:19
End at: 2018-07-18 12:59:49
Local clock offset: -0.007 ms
Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 111.734 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 111.734 ms
Loss rate: 0.98%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-18 13:21:46

End at: 2018-07-18 13:22:16

Local clock offset: 0.005 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 111.763 ms

Loss rate: 0.06%

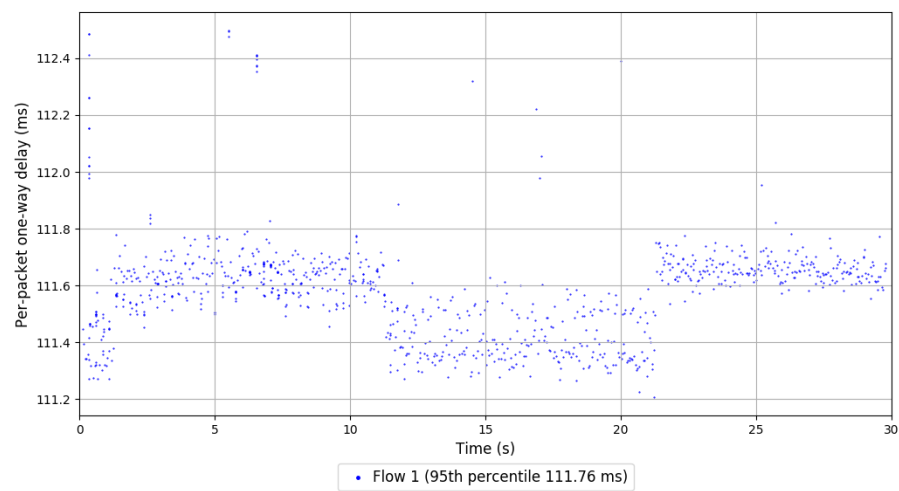
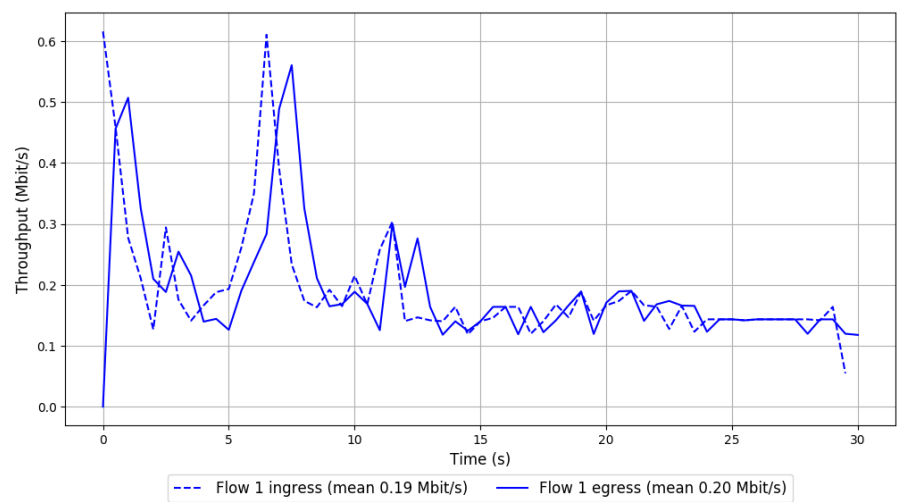
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 111.763 ms

Loss rate: 0.06%

Run 8: Report of Sprout — Data Link

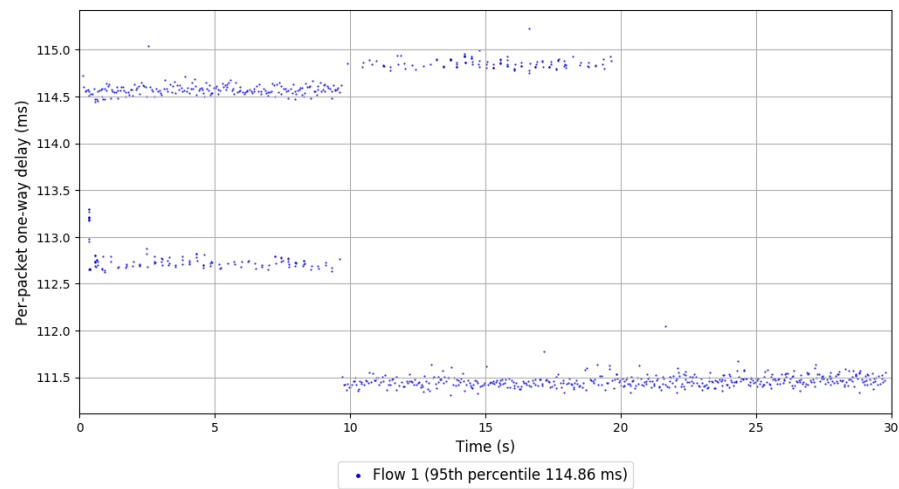
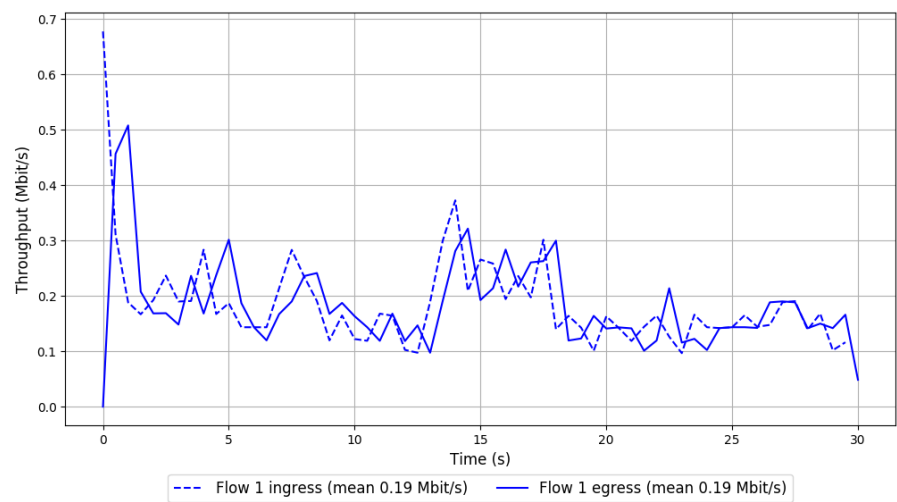


Run 9: Statistics of Sprout

Start at: 2018-07-18 13:44:47
End at: 2018-07-18 13:45:17
Local clock offset: -0.046 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 114.862 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 114.862 ms
Loss rate: 0.63%

Run 9: Report of Sprout — Data Link

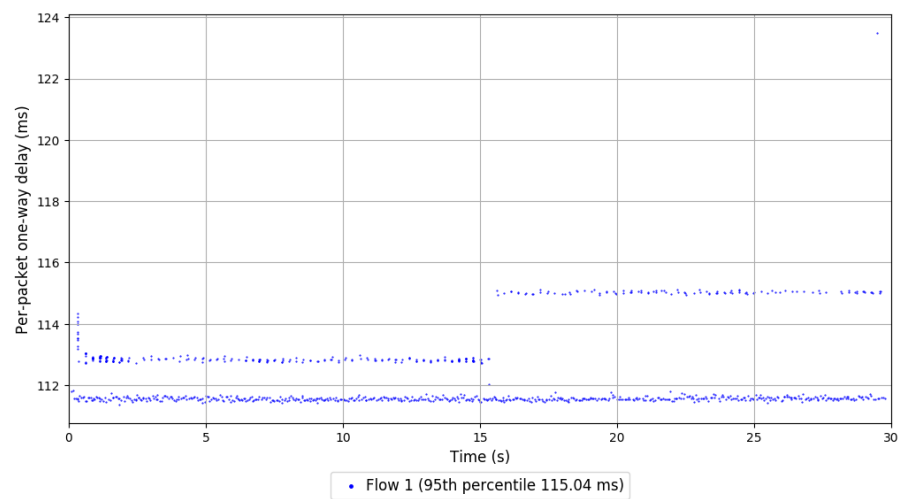
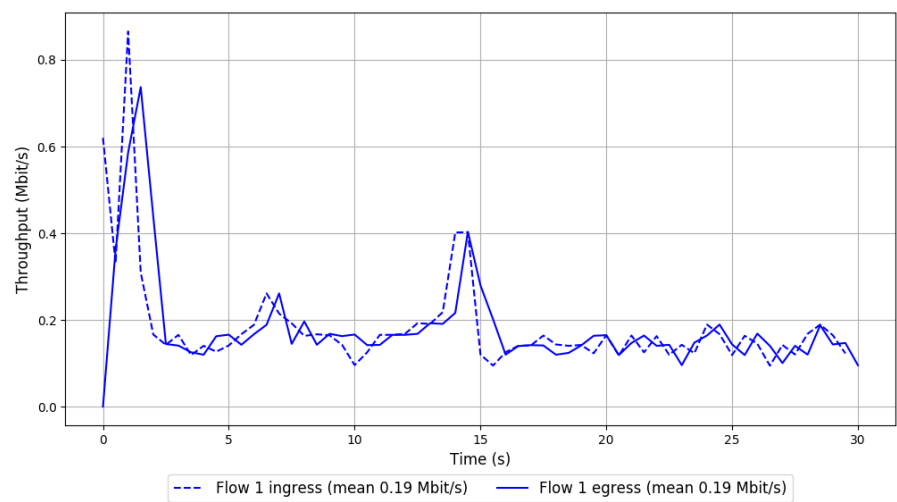


Run 10: Statistics of Sprout

Start at: 2018-07-18 14:06:32
End at: 2018-07-18 14:07:02
Local clock offset: 0.049 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-18 15:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 115.036 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 115.036 ms
Loss rate: 0.85%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 10:27:37

End at: 2018-07-18 10:28:07

Local clock offset: -0.028 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-07-18 15:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.23 Mbit/s

95th percentile per-packet one-way delay: 112.439 ms

Loss rate: 0.76%

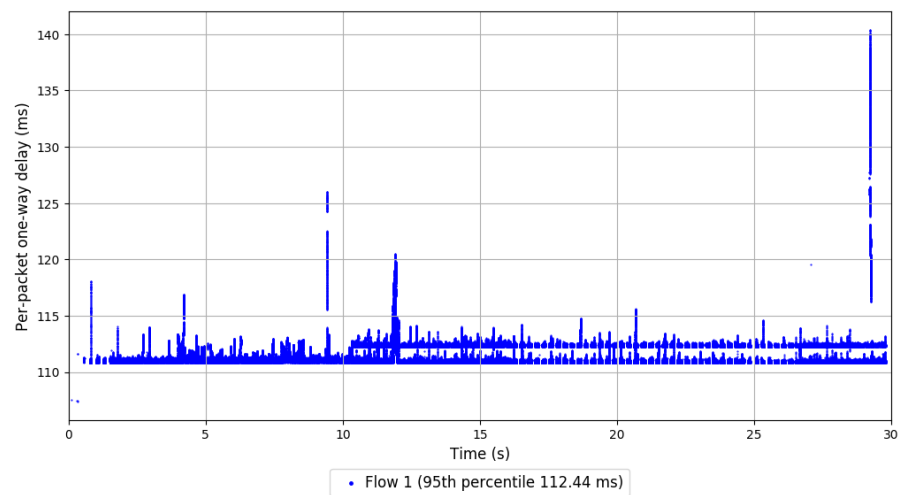
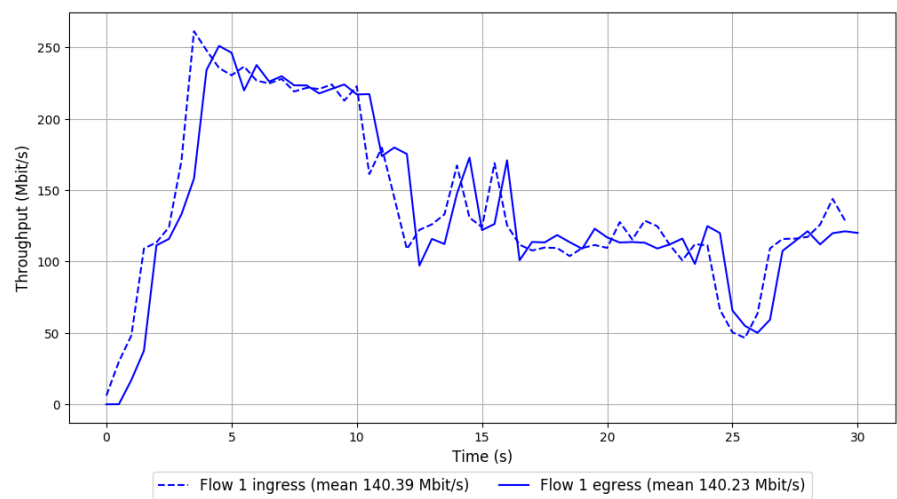
-- Flow 1:

Average throughput: 140.23 Mbit/s

95th percentile per-packet one-way delay: 112.439 ms

Loss rate: 0.76%

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

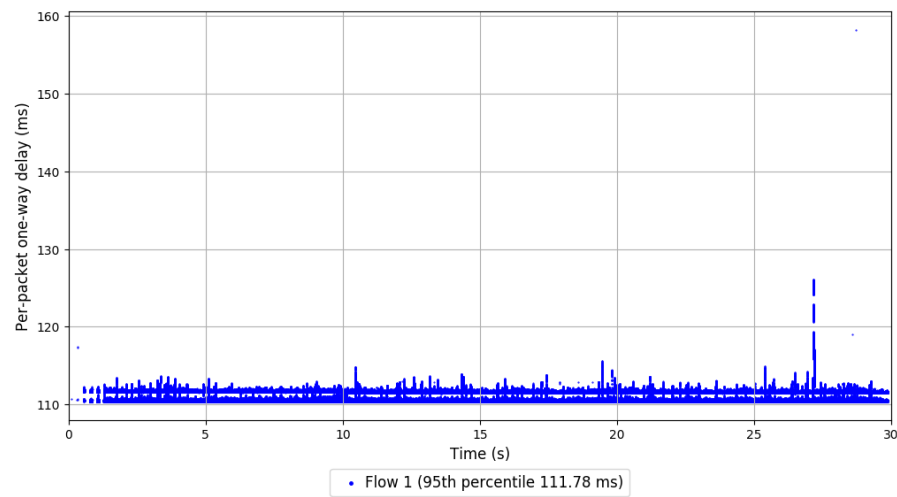
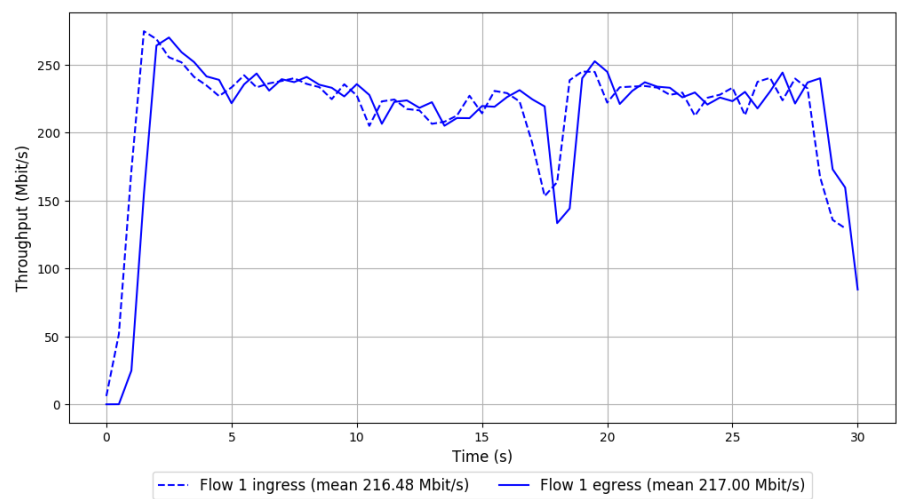


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 10:49:57
End at: 2018-07-18 10:50:27
Local clock offset: -0.099 ms
Remote clock offset: -0.532 ms

Below is generated by plot.py at 2018-07-18 15:31:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.00 Mbit/s
95th percentile per-packet one-way delay: 111.779 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 217.00 Mbit/s
95th percentile per-packet one-way delay: 111.779 ms
Loss rate: 0.50%

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

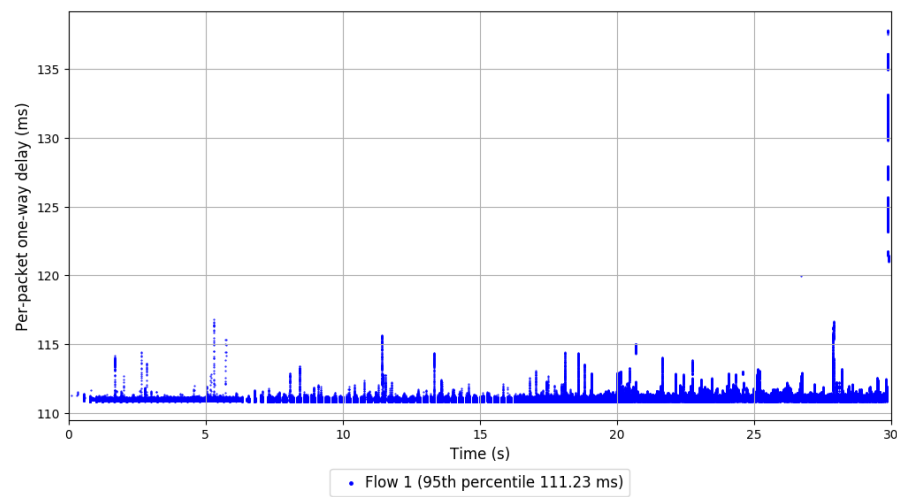
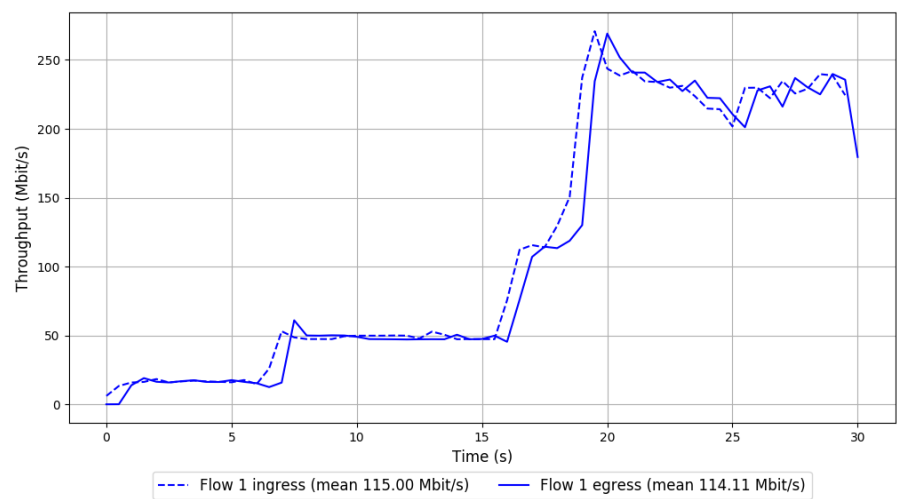


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 11:12:37
End at: 2018-07-18 11:13:07
Local clock offset: -0.431 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-07-18 15:31:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.11 Mbit/s
95th percentile per-packet one-way delay: 111.232 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 114.11 Mbit/s
95th percentile per-packet one-way delay: 111.232 ms
Loss rate: 1.45%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-18 11:35:13

End at: 2018-07-18 11:35:43

Local clock offset: 0.0 ms

Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-18 15:32:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.92 Mbit/s

95th percentile per-packet one-way delay: 111.430 ms

Loss rate: 0.65%

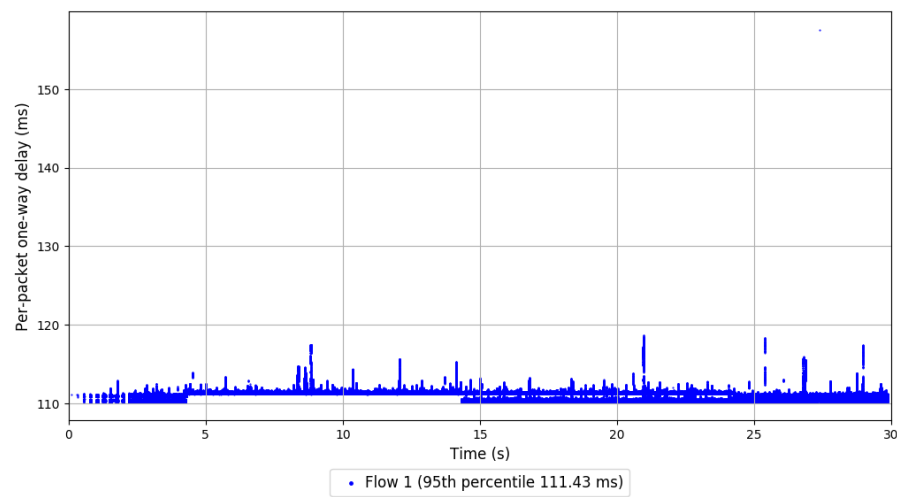
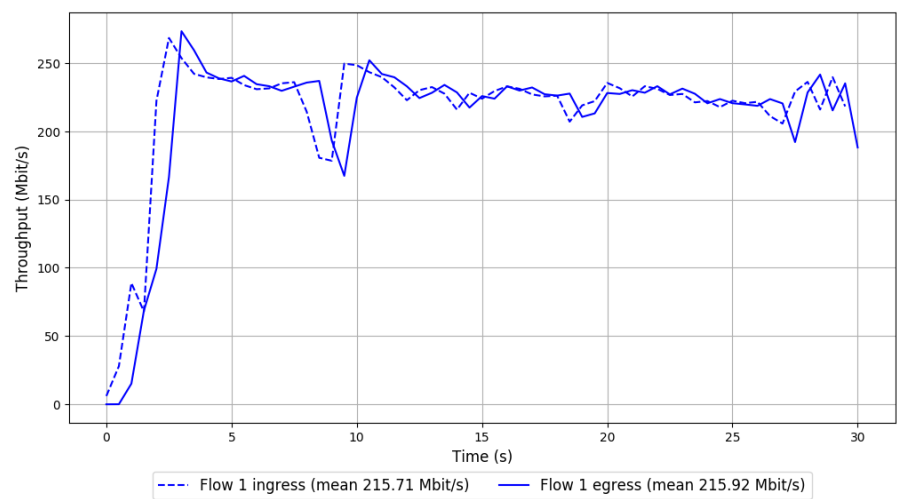
-- Flow 1:

Average throughput: 215.92 Mbit/s

95th percentile per-packet one-way delay: 111.430 ms

Loss rate: 0.65%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-18 11:57:42

End at: 2018-07-18 11:58:12

Local clock offset: 0.063 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-18 15:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.00 Mbit/s

95th percentile per-packet one-way delay: 111.418 ms

Loss rate: 0.81%

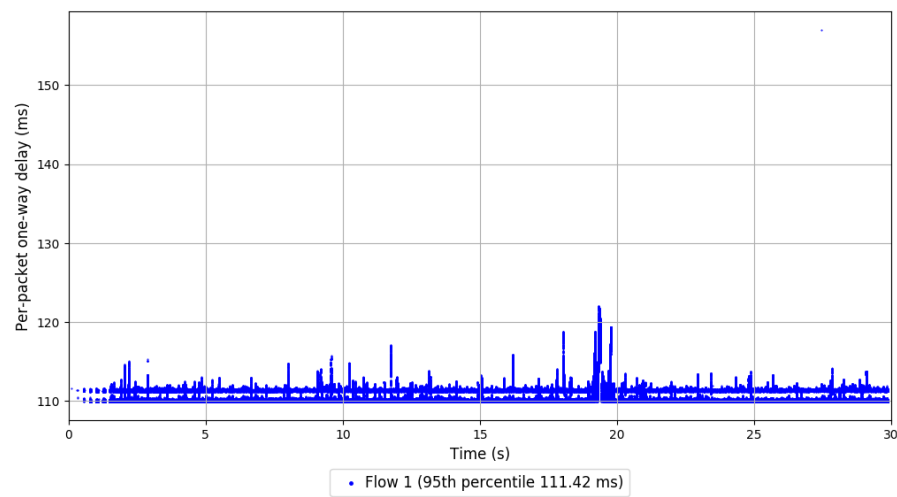
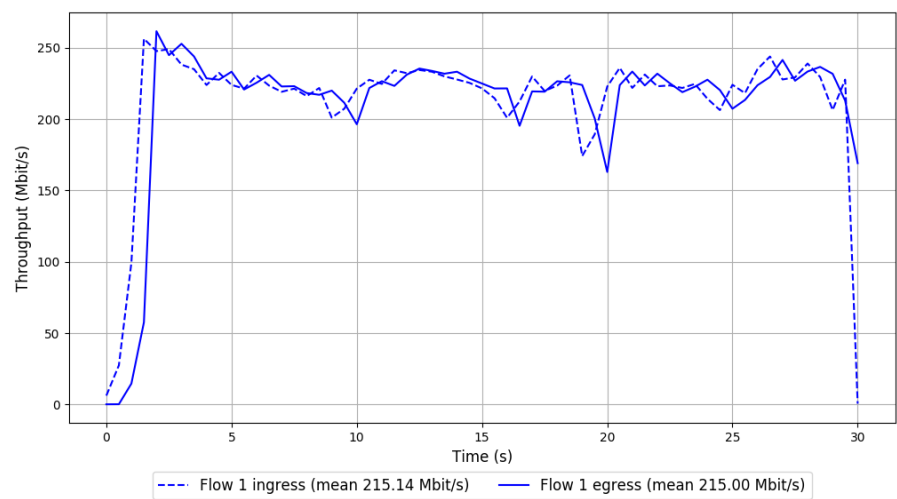
-- Flow 1:

Average throughput: 215.00 Mbit/s

95th percentile per-packet one-way delay: 111.418 ms

Loss rate: 0.81%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-18 12:20:15

End at: 2018-07-18 12:20:45

Local clock offset: 0.116 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-07-18 15:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.96 Mbit/s

95th percentile per-packet one-way delay: 111.517 ms

Loss rate: 0.16%

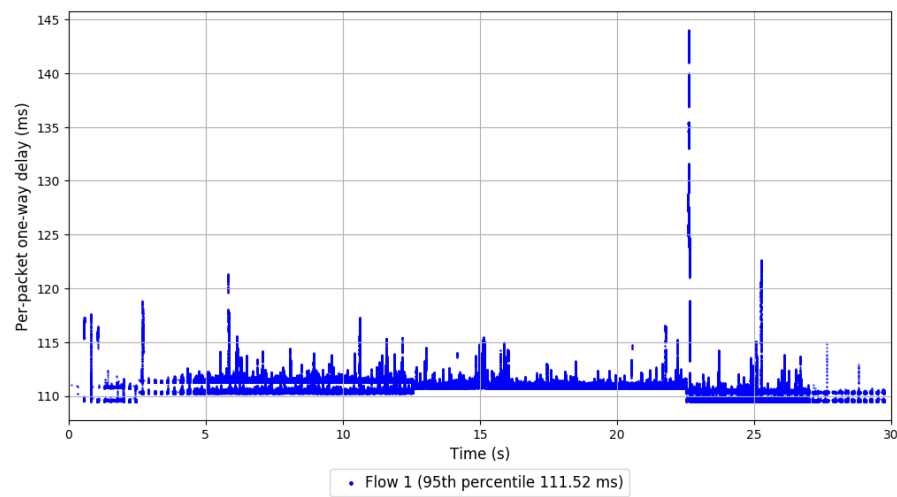
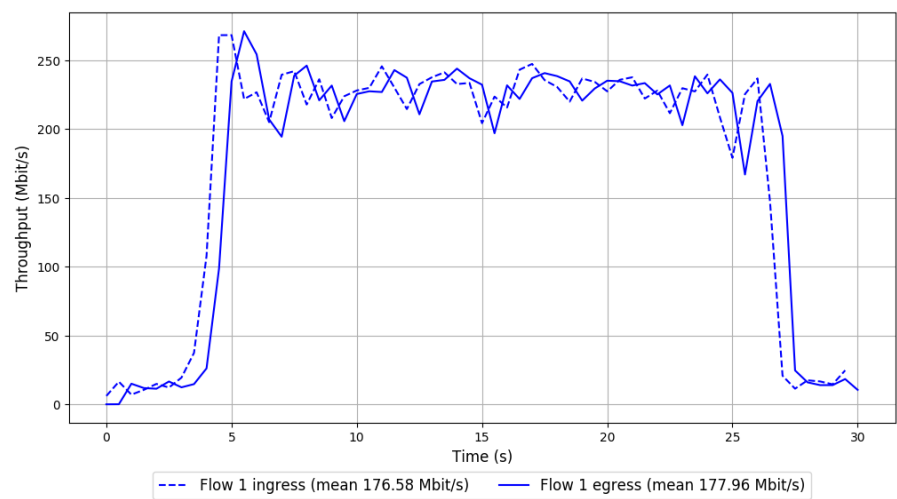
-- Flow 1:

Average throughput: 177.96 Mbit/s

95th percentile per-packet one-way delay: 111.517 ms

Loss rate: 0.16%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-18 12:43:01

End at: 2018-07-18 12:43:31

Local clock offset: 1.405 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-07-18 15:35:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.37 Mbit/s

95th percentile per-packet one-way delay: 112.978 ms

Loss rate: 0.76%

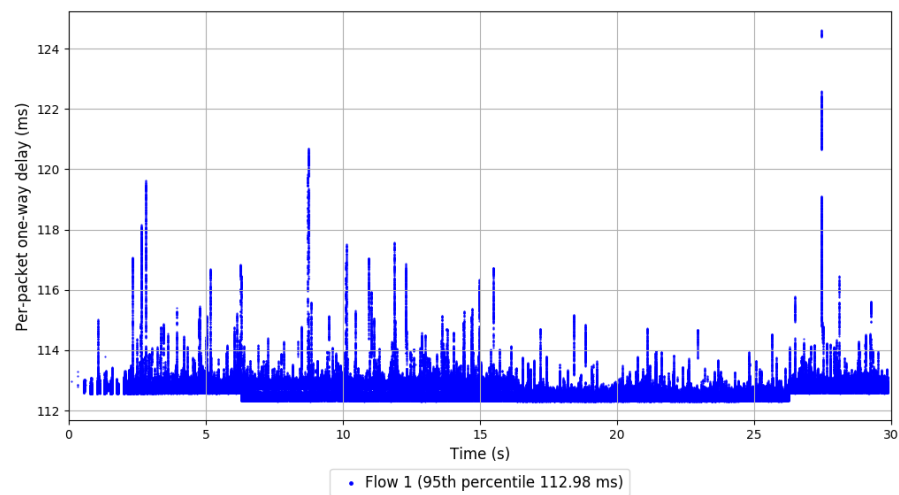
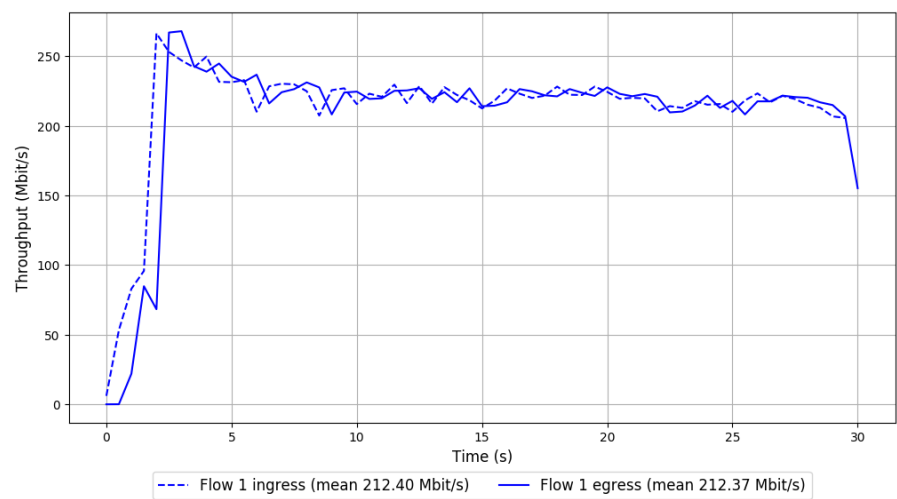
-- Flow 1:

Average throughput: 212.37 Mbit/s

95th percentile per-packet one-way delay: 112.978 ms

Loss rate: 0.76%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 13:05:37

End at: 2018-07-18 13:06:07

Local clock offset: 1.305 ms

Remote clock offset: 0.341 ms

Below is generated by plot.py at 2018-07-18 15:35:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.88 Mbit/s

95th percentile per-packet one-way delay: 112.906 ms

Loss rate: 0.97%

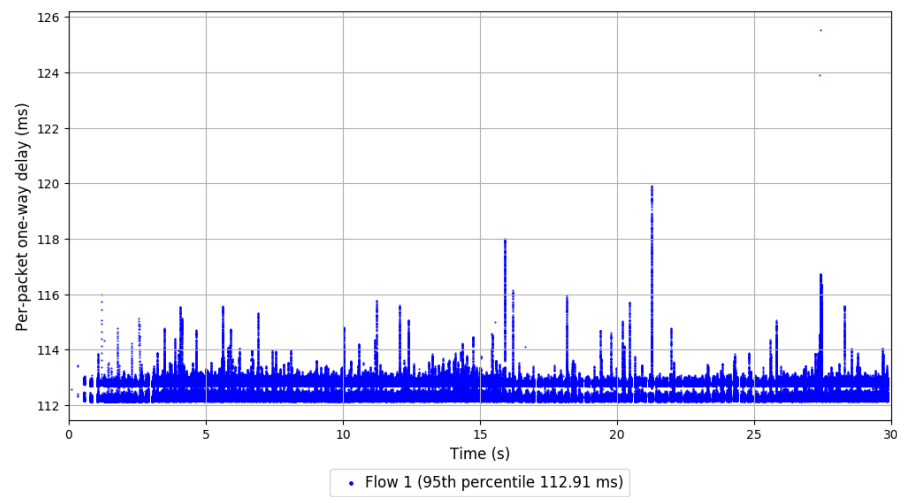
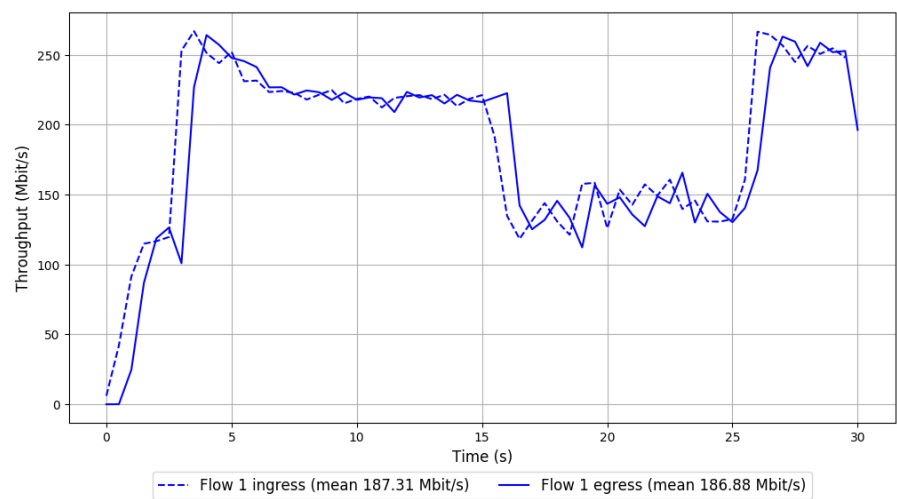
-- Flow 1:

Average throughput: 186.88 Mbit/s

95th percentile per-packet one-way delay: 112.906 ms

Loss rate: 0.97%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 13:28:22

End at: 2018-07-18 13:28:52

Local clock offset: 0.024 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-18 15:35:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.01 Mbit/s

95th percentile per-packet one-way delay: 111.591 ms

Loss rate: 0.00%

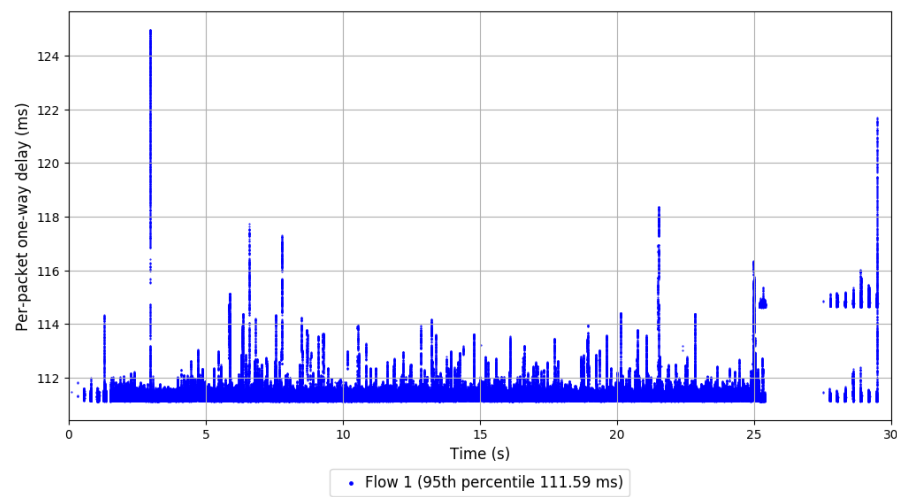
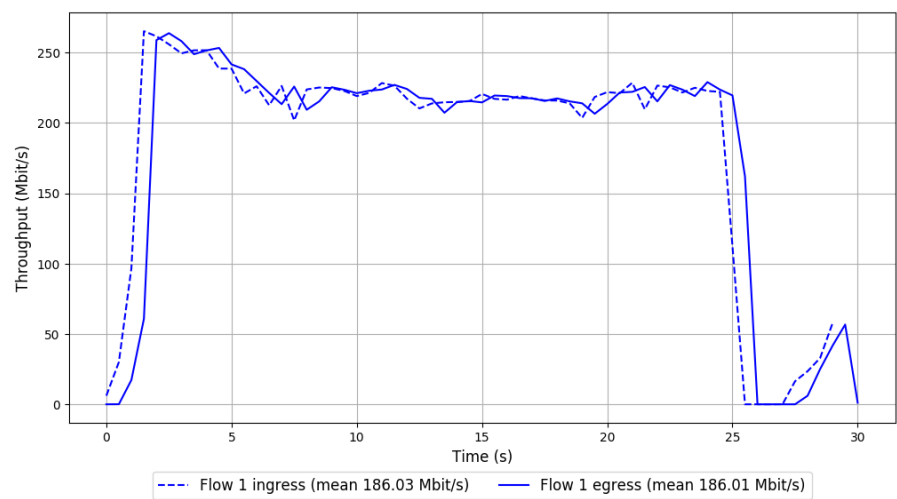
-- Flow 1:

Average throughput: 186.01 Mbit/s

95th percentile per-packet one-way delay: 111.591 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 13:51:09

End at: 2018-07-18 13:51:39

Local clock offset: 0.082 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-18 15:35:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.79 Mbit/s

95th percentile per-packet one-way delay: 113.147 ms

Loss rate: 0.14%

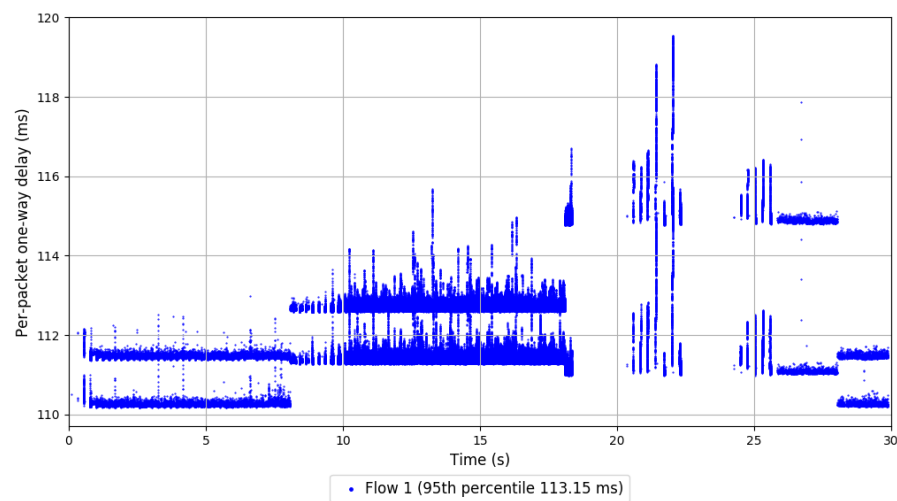
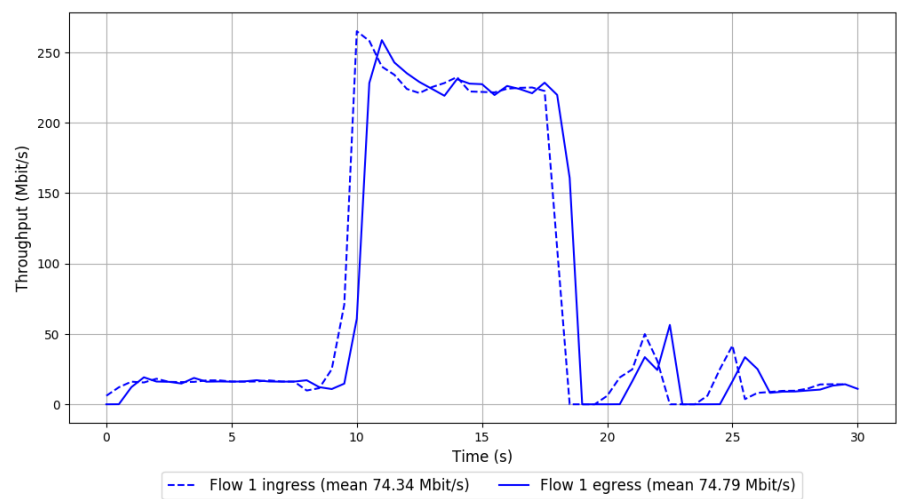
-- Flow 1:

Average throughput: 74.79 Mbit/s

95th percentile per-packet one-way delay: 113.147 ms

Loss rate: 0.14%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 10:39:27

End at: 2018-07-18 10:39:57

Local clock offset: 0.095 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-07-18 15:35:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.03 Mbit/s

95th percentile per-packet one-way delay: 124.393 ms

Loss rate: 0.47%

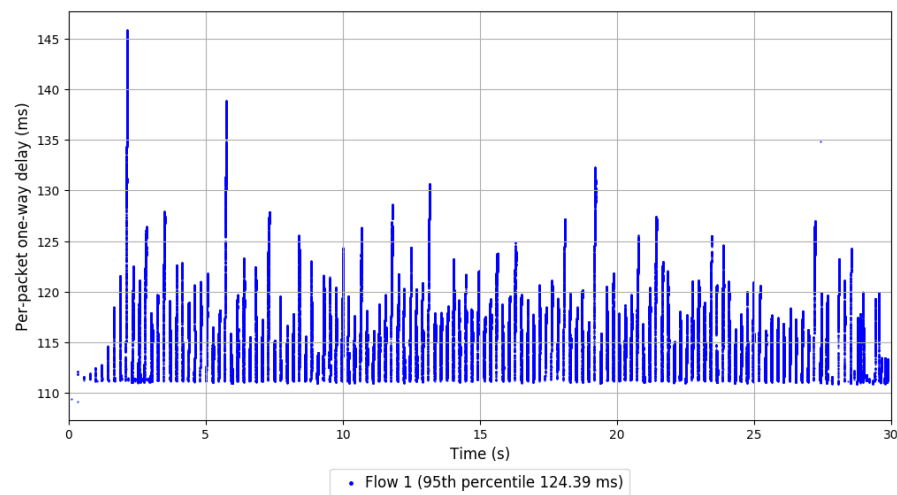
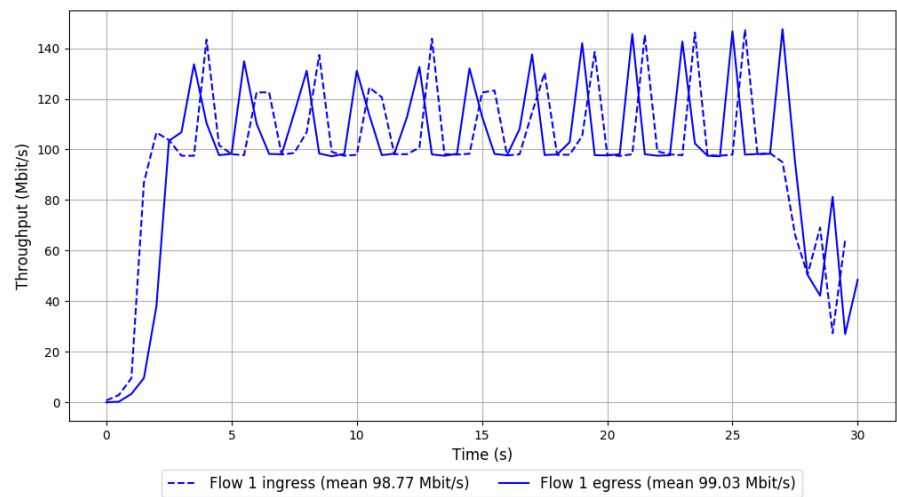
-- Flow 1:

Average throughput: 99.03 Mbit/s

95th percentile per-packet one-way delay: 124.393 ms

Loss rate: 0.47%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 11:02:01

End at: 2018-07-18 11:02:31

Local clock offset: -0.14 ms

Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-07-18 15:35:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.39 Mbit/s

95th percentile per-packet one-way delay: 112.496 ms

Loss rate: 0.77%

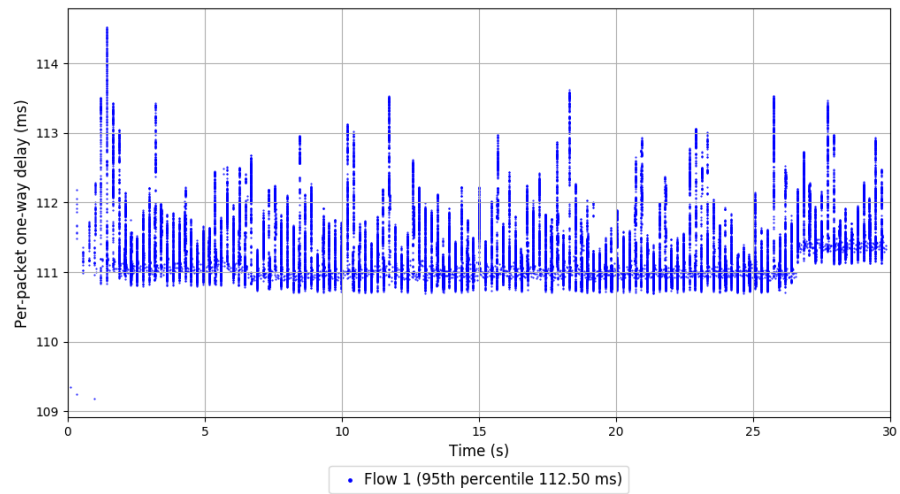
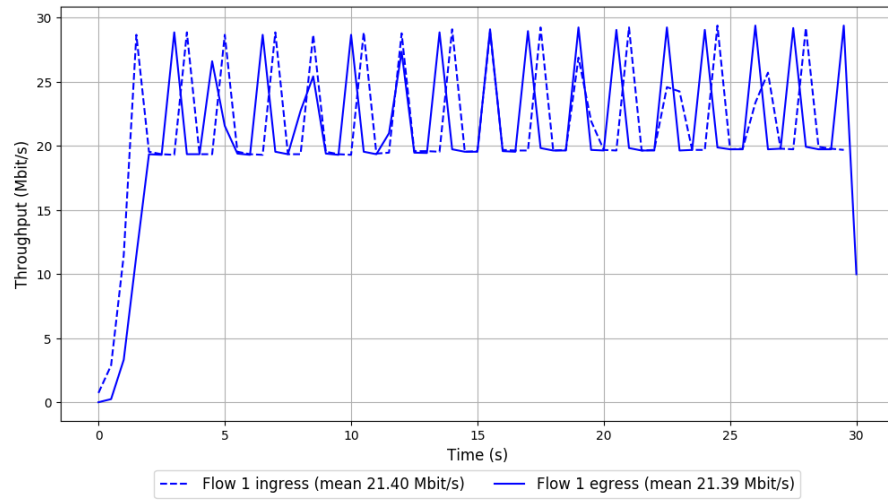
-- Flow 1:

Average throughput: 21.39 Mbit/s

95th percentile per-packet one-way delay: 112.496 ms

Loss rate: 0.77%

Run 2: Report of TCP Vegas — Data Link

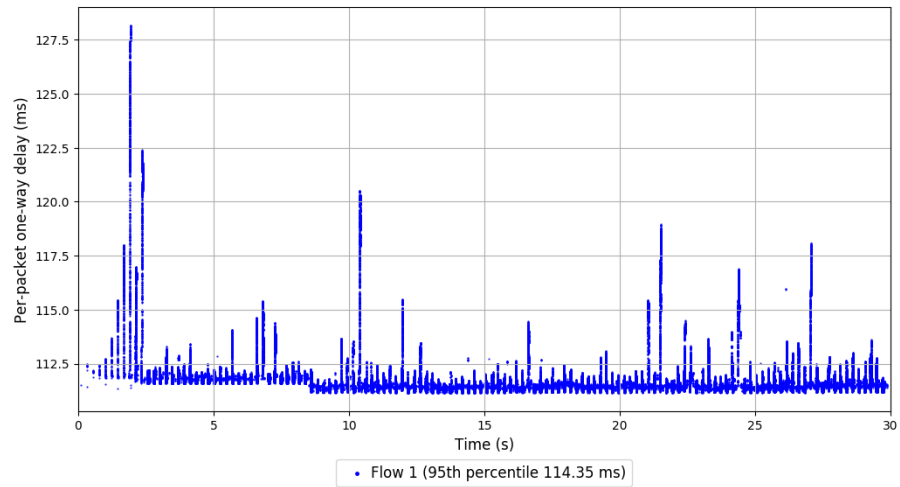
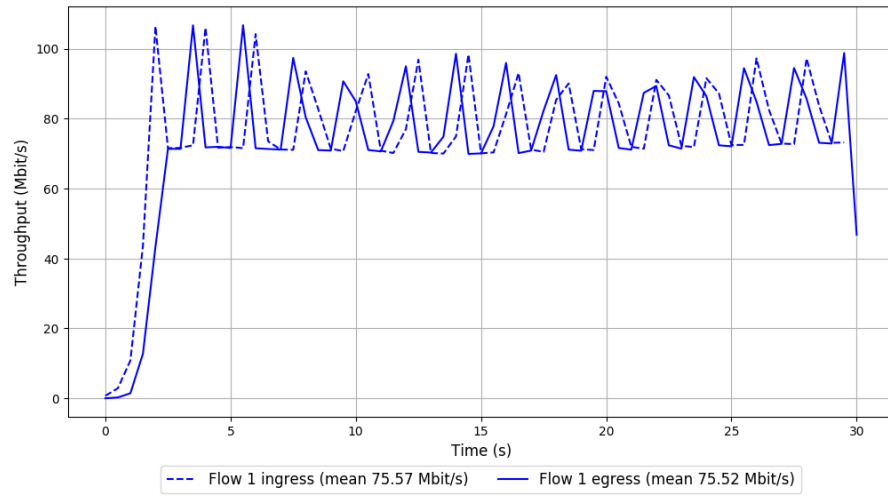


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 11:24:39
End at: 2018-07-18 11:25:09
Local clock offset: -0.426 ms
Remote clock offset: -0.592 ms

Below is generated by plot.py at 2018-07-18 15:35:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.52 Mbit/s
95th percentile per-packet one-way delay: 114.348 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 75.52 Mbit/s
95th percentile per-packet one-way delay: 114.348 ms
Loss rate: 0.80%

Run 3: Report of TCP Vegas — Data Link

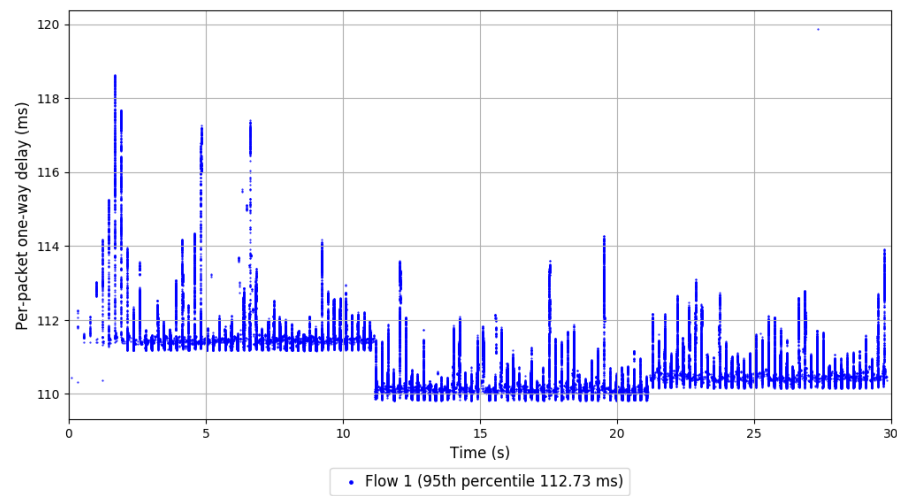
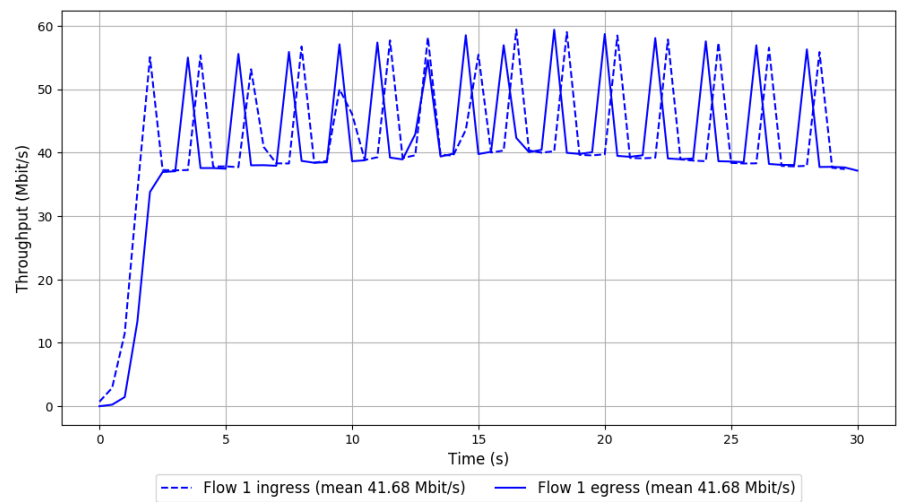


Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 11:47:16
End at: 2018-07-18 11:47:46
Local clock offset: -0.086 ms
Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-18 15:35:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 112.730 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 112.730 ms
Loss rate: 0.75%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-18 12:09:53

End at: 2018-07-18 12:10:23

Local clock offset: -0.025 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-18 15:35:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.10 Mbit/s

95th percentile per-packet one-way delay: 118.684 ms

Loss rate: 0.62%

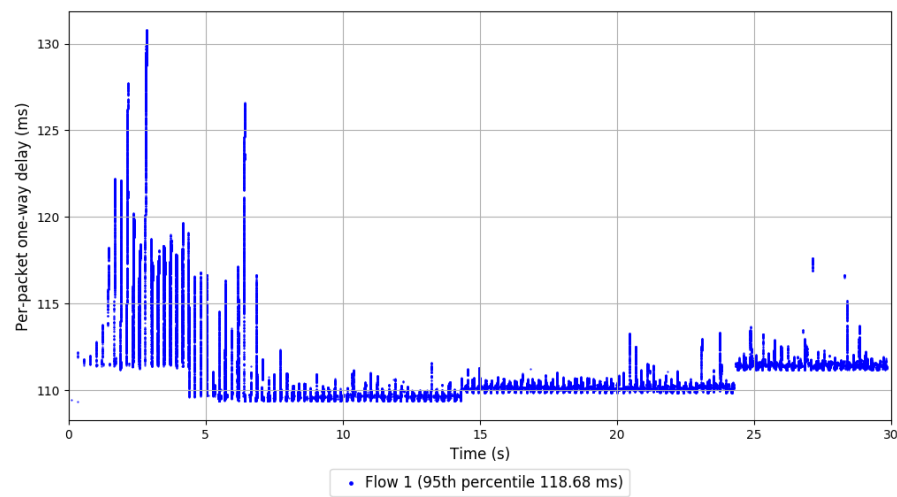
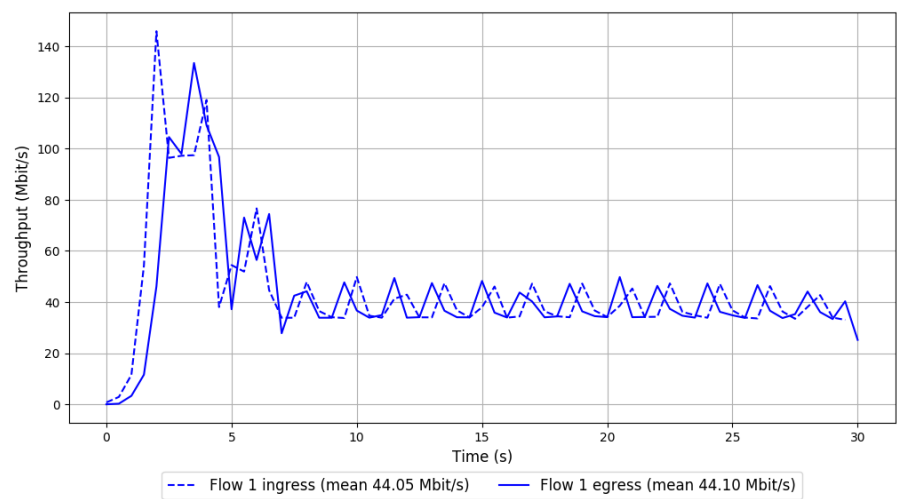
-- Flow 1:

Average throughput: 44.10 Mbit/s

95th percentile per-packet one-way delay: 118.684 ms

Loss rate: 0.62%

Run 5: Report of TCP Vegas — Data Link

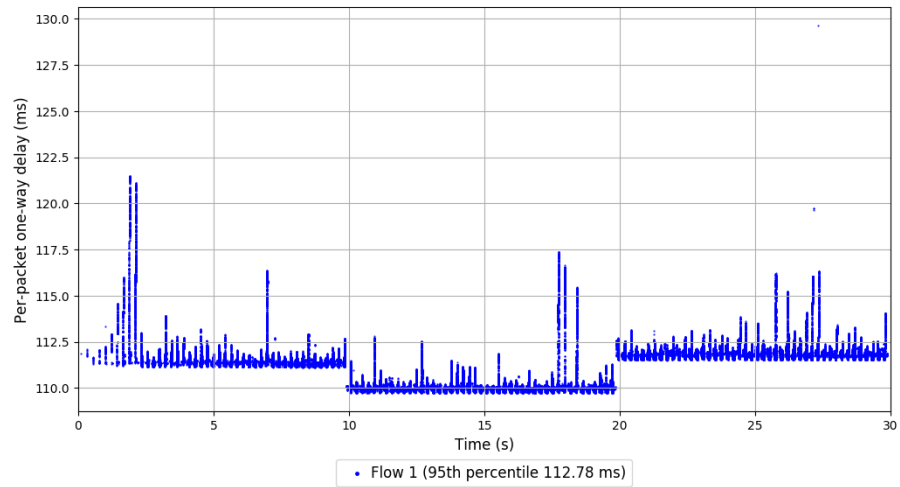
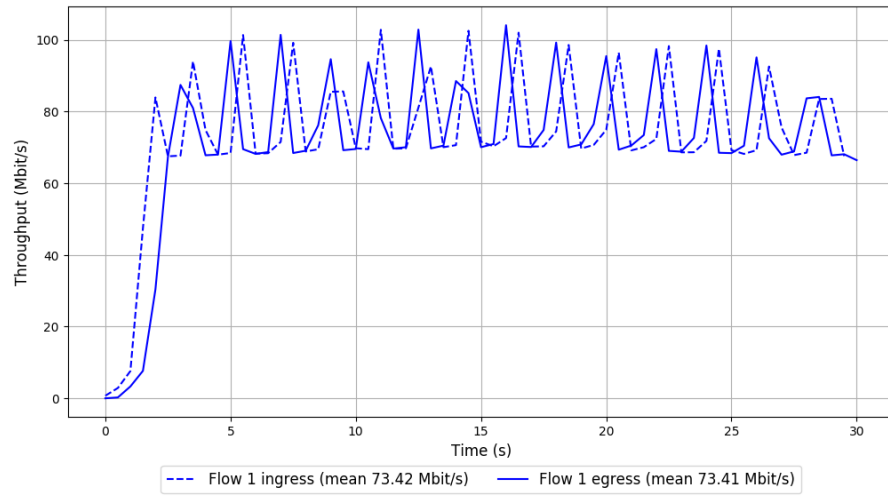


Run 6: Statistics of TCP Vegas

Start at: 2018-07-18 12:32:17
End at: 2018-07-18 12:32:47
Local clock offset: 0.008 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-18 15:35:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.41 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 73.41 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.76%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-18 12:55:09

End at: 2018-07-18 12:55:39

Local clock offset: 0.167 ms

Remote clock offset: 0.647 ms

Below is generated by plot.py at 2018-07-18 15:35:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.80 Mbit/s

95th percentile per-packet one-way delay: 112.180 ms

Loss rate: 0.75%

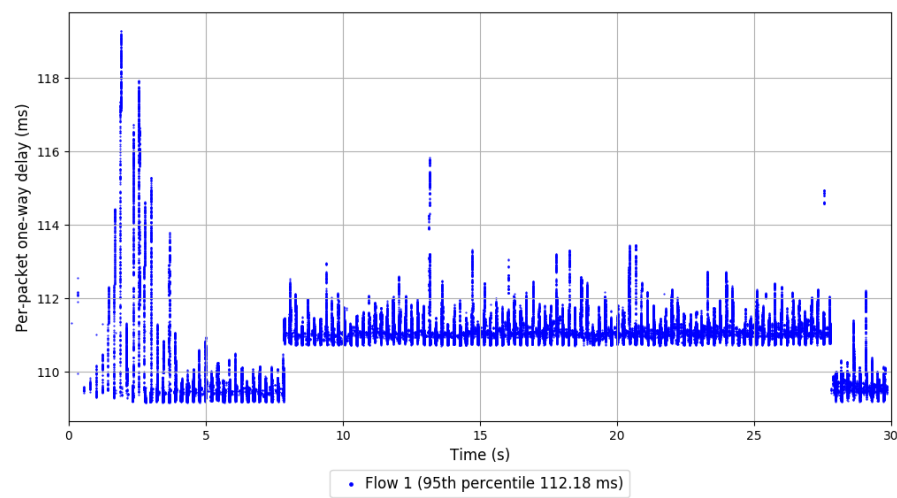
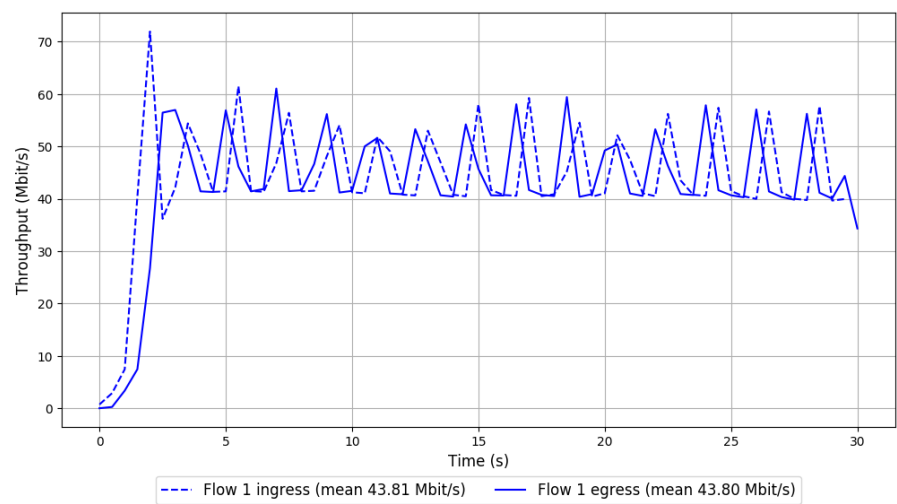
-- Flow 1:

Average throughput: 43.80 Mbit/s

95th percentile per-packet one-way delay: 112.180 ms

Loss rate: 0.75%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 13:17:36

End at: 2018-07-18 13:18:06

Local clock offset: 0.014 ms

Remote clock offset: 0.653 ms

Below is generated by plot.py at 2018-07-18 15:35:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 115.419 ms

Loss rate: 0.79%

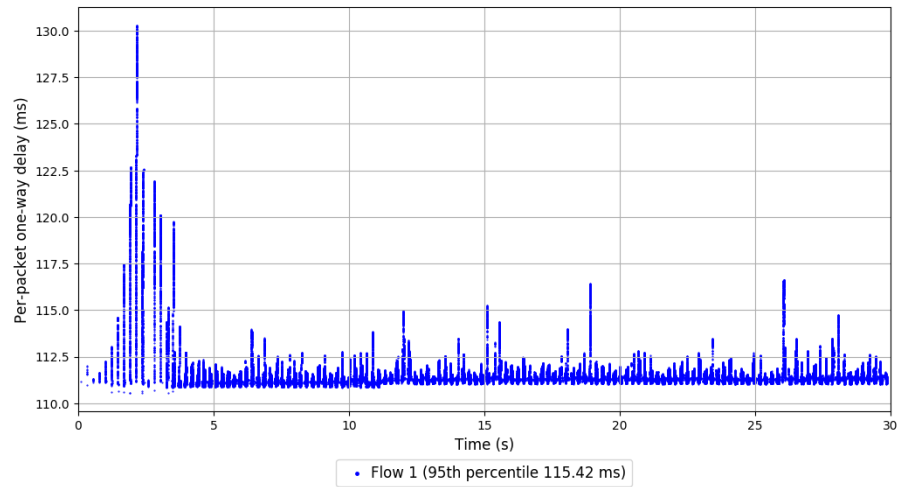
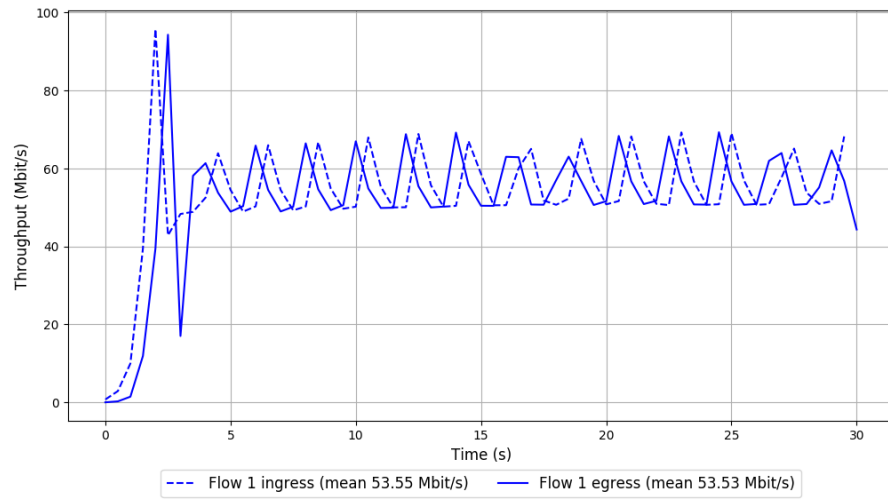
-- Flow 1:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 115.419 ms

Loss rate: 0.79%

Run 8: Report of TCP Vegas — Data Link

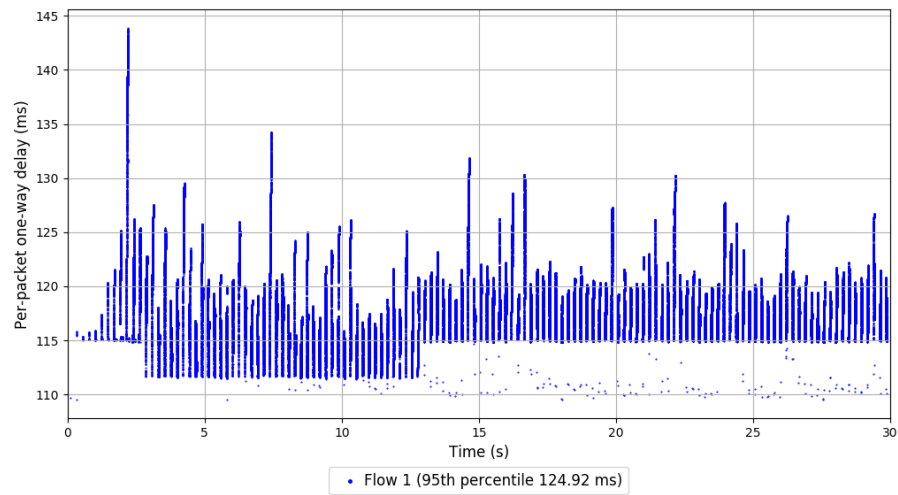
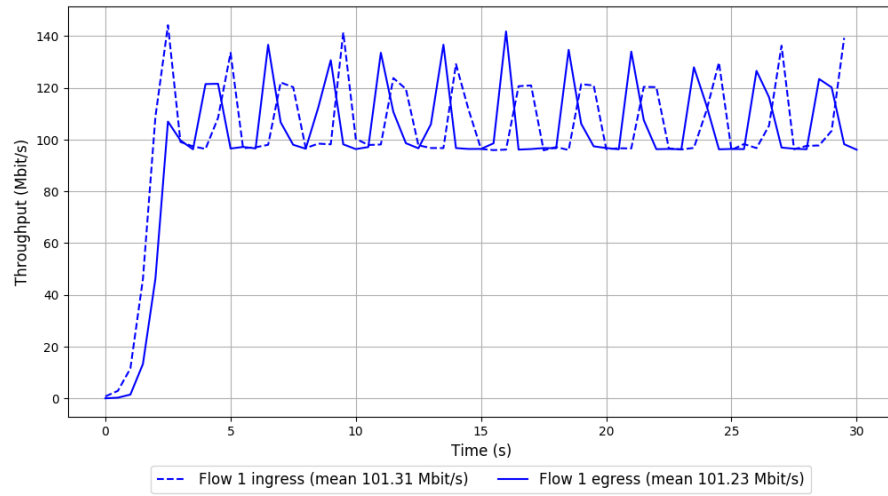


Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 13:40:34
End at: 2018-07-18 13:41:04
Local clock offset: 0.107 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-18 15:35:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.23 Mbit/s
95th percentile per-packet one-way delay: 124.917 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 101.23 Mbit/s
95th percentile per-packet one-way delay: 124.917 ms
Loss rate: 0.80%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 14:02:22

End at: 2018-07-18 14:02:52

Local clock offset: -0.108 ms

Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-18 15:35:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.49 Mbit/s

95th percentile per-packet one-way delay: 115.346 ms

Loss rate: 0.81%

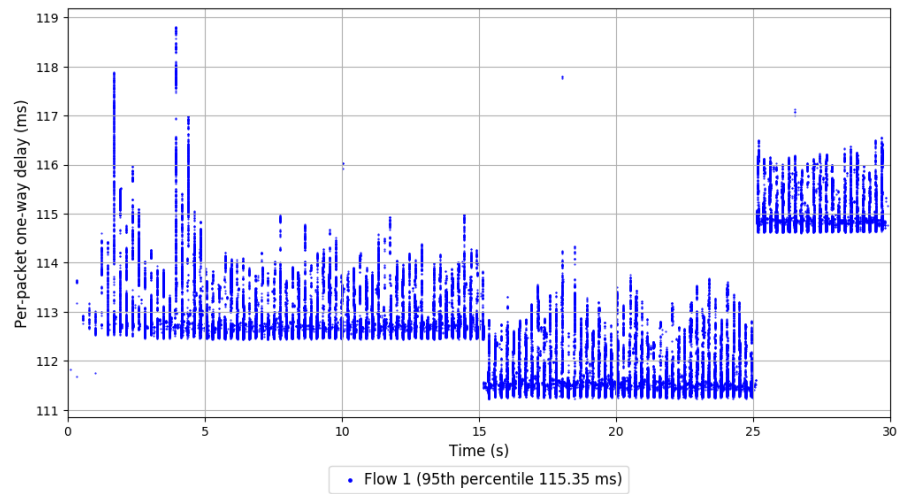
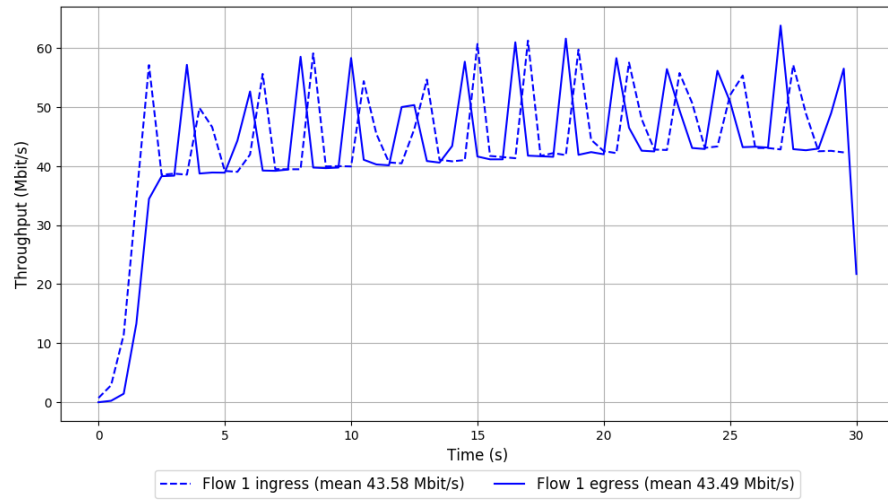
-- Flow 1:

Average throughput: 43.49 Mbit/s

95th percentile per-packet one-way delay: 115.346 ms

Loss rate: 0.81%

Run 10: Report of TCP Vegas — Data Link

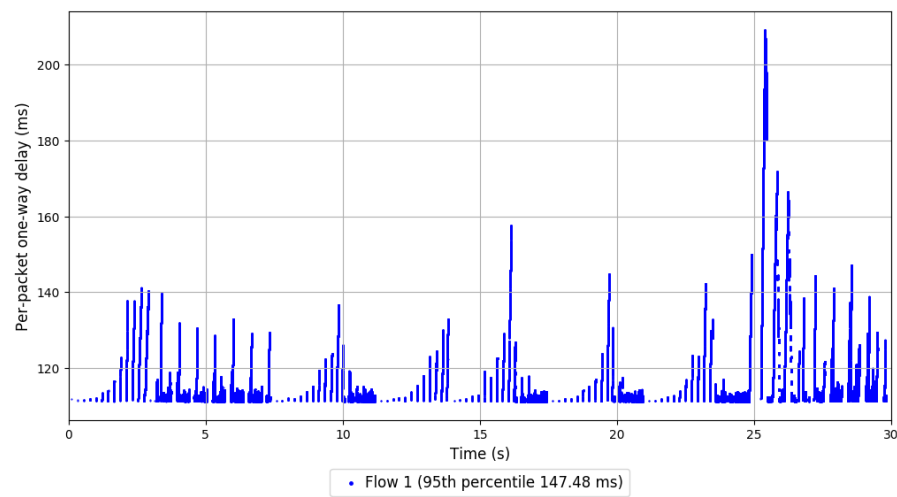
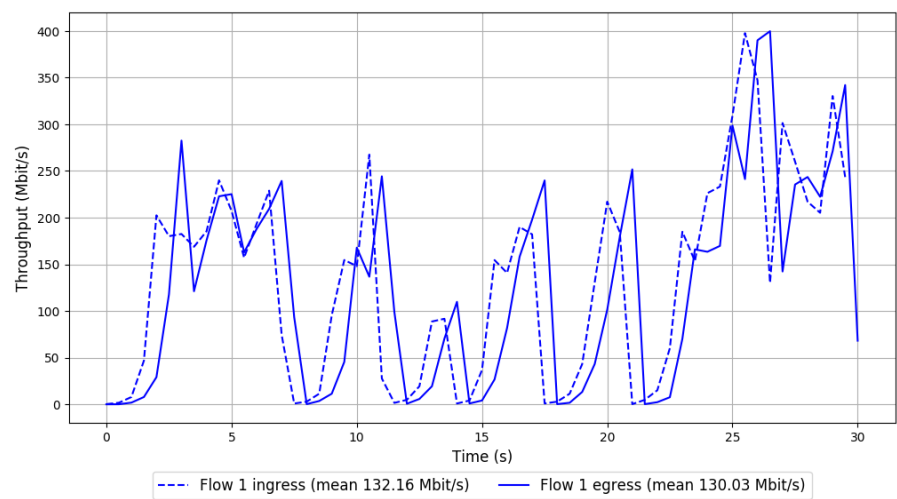


Run 1: Statistics of Verus

Start at: 2018-07-18 10:37:02
End at: 2018-07-18 10:37:32
Local clock offset: -0.071 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-18 15:36:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.03 Mbit/s
95th percentile per-packet one-way delay: 147.484 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 130.03 Mbit/s
95th percentile per-packet one-way delay: 147.484 ms
Loss rate: 2.34%

Run 1: Report of Verus — Data Link

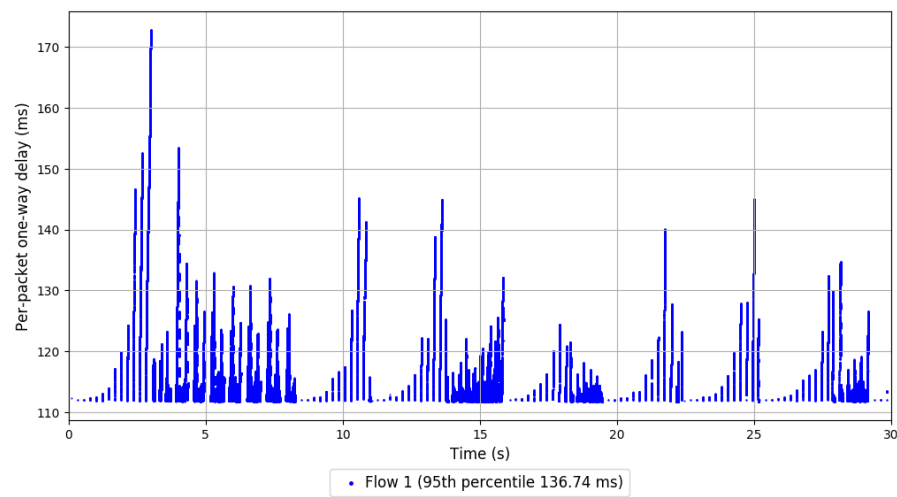
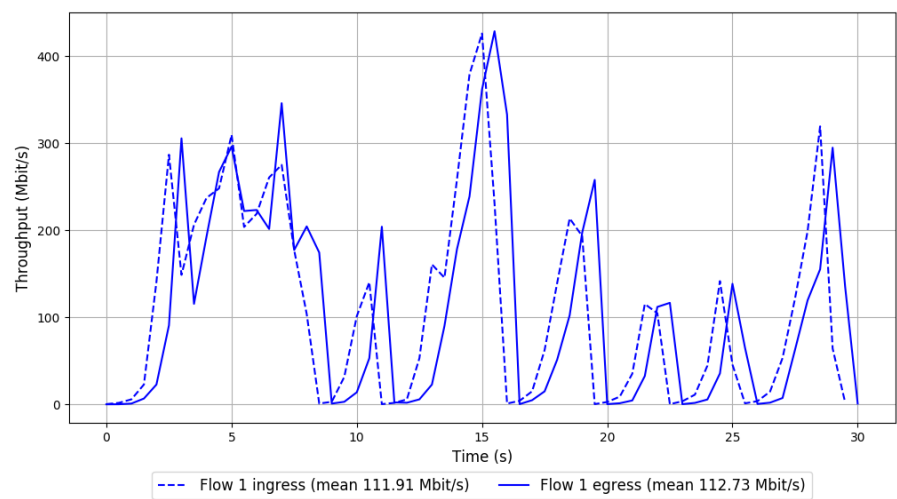


Run 2: Statistics of Verus

Start at: 2018-07-18 10:59:37
End at: 2018-07-18 11:00:07
Local clock offset: 0.073 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-07-18 15:36:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.73 Mbit/s
95th percentile per-packet one-way delay: 136.742 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 112.73 Mbit/s
95th percentile per-packet one-way delay: 136.742 ms
Loss rate: 0.02%

Run 2: Report of Verus — Data Link

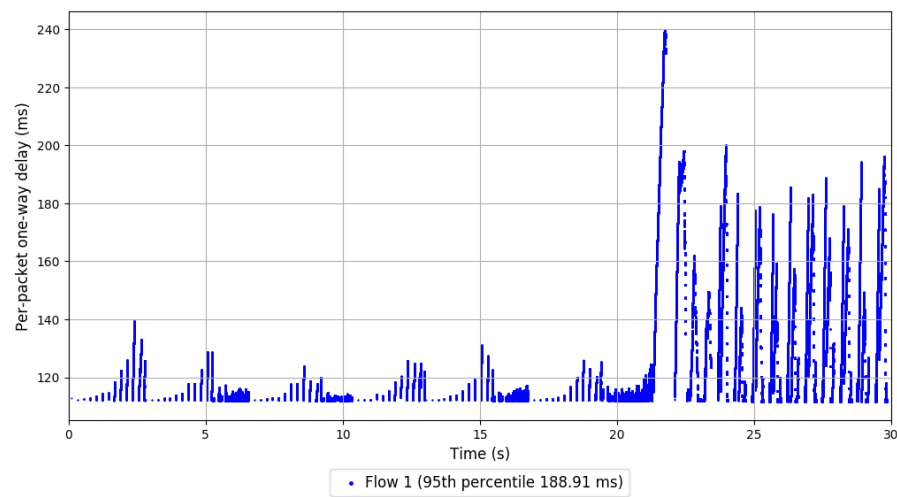
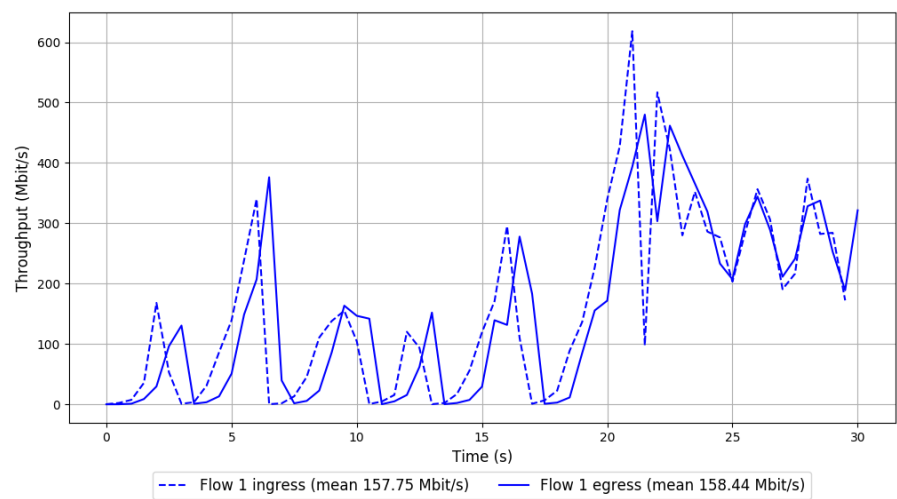


Run 3: Statistics of Verus

Start at: 2018-07-18 11:22:12
End at: 2018-07-18 11:22:42
Local clock offset: -0.134 ms
Remote clock offset: -0.679 ms

Below is generated by plot.py at 2018-07-18 15:37:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.44 Mbit/s
95th percentile per-packet one-way delay: 188.908 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 158.44 Mbit/s
95th percentile per-packet one-way delay: 188.908 ms
Loss rate: 0.32%

Run 3: Report of Verus — Data Link

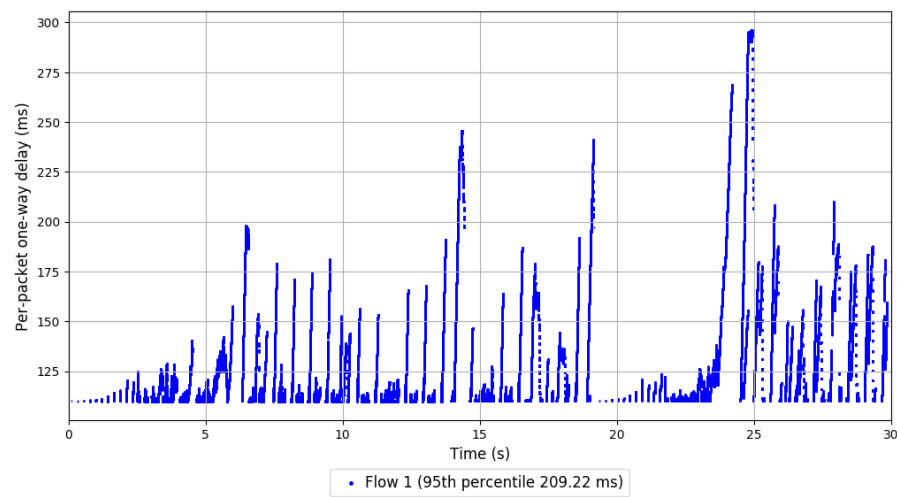
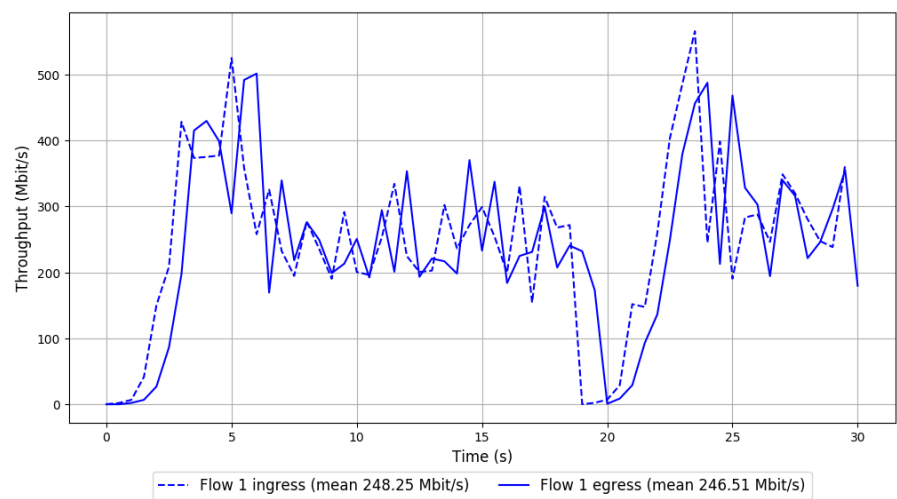


Run 4: Statistics of Verus

Start at: 2018-07-18 11:44:43
End at: 2018-07-18 11:45:14
Local clock offset: -0.263 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-18 15:38:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.51 Mbit/s
95th percentile per-packet one-way delay: 209.222 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 246.51 Mbit/s
95th percentile per-packet one-way delay: 209.222 ms
Loss rate: 1.36%

Run 4: Report of Verus — Data Link

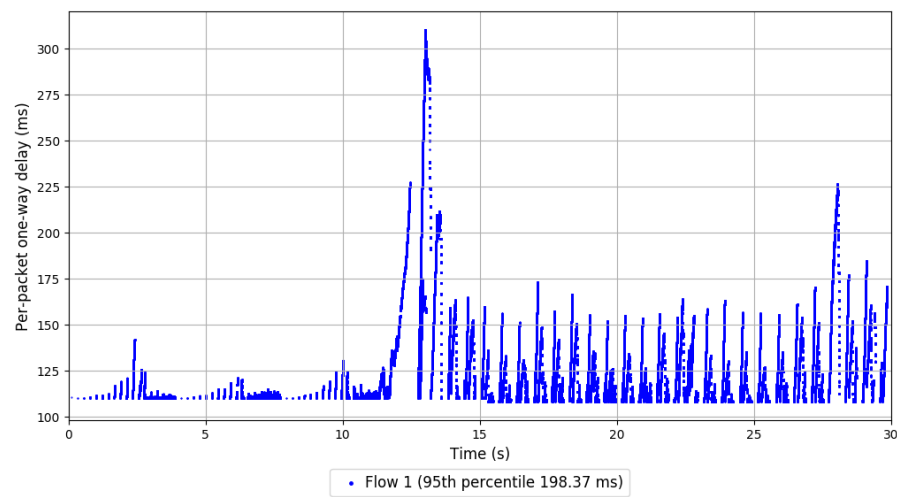
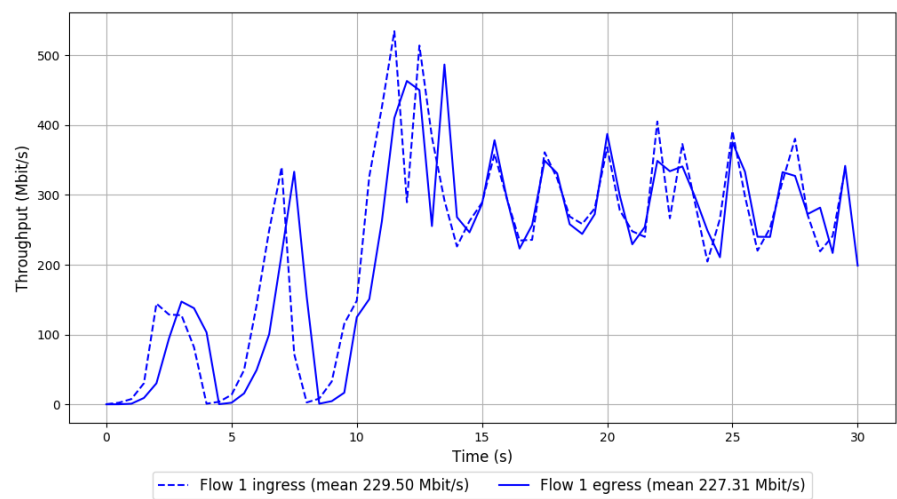


Run 5: Statistics of Verus

Start at: 2018-07-18 12:07:22
End at: 2018-07-18 12:07:52
Local clock offset: -1.375 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-07-18 15:38:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.31 Mbit/s
95th percentile per-packet one-way delay: 198.371 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 227.31 Mbit/s
95th percentile per-packet one-way delay: 198.371 ms
Loss rate: 1.39%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-18 12:29:49

End at: 2018-07-18 12:30:19

Local clock offset: 1.257 ms

Remote clock offset: 0.191 ms

Below is generated by plot.py at 2018-07-18 15:38:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.83 Mbit/s

95th percentile per-packet one-way delay: 310.129 ms

Loss rate: 8.29%

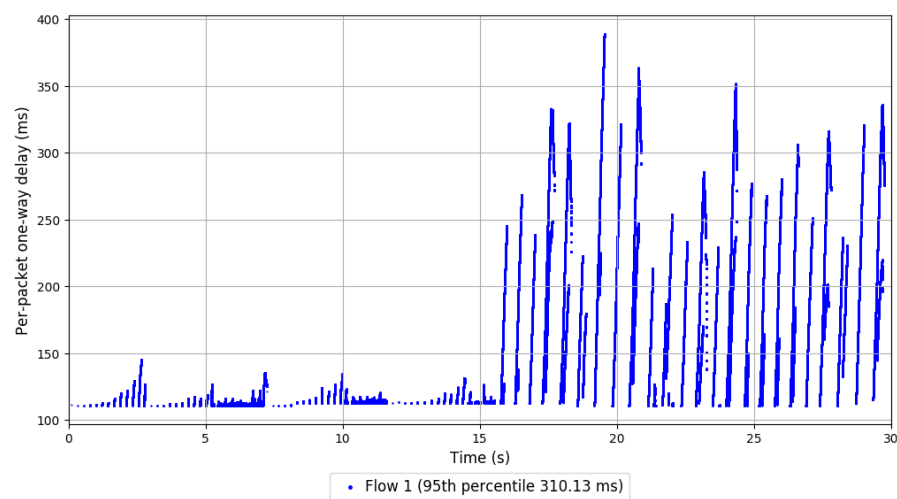
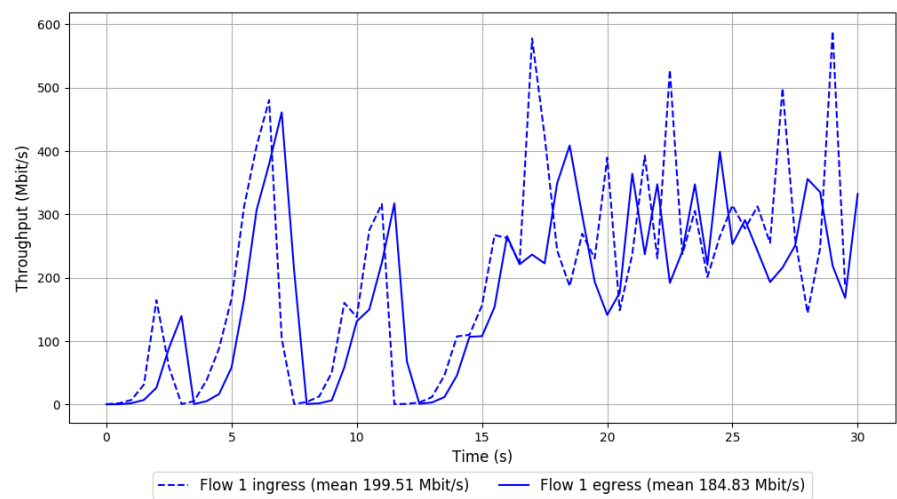
-- Flow 1:

Average throughput: 184.83 Mbit/s

95th percentile per-packet one-way delay: 310.129 ms

Loss rate: 8.29%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-18 12:52:35

End at: 2018-07-18 12:53:05

Local clock offset: -1.337 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2018-07-18 15:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.63 Mbit/s

95th percentile per-packet one-way delay: 220.539 ms

Loss rate: 1.44%

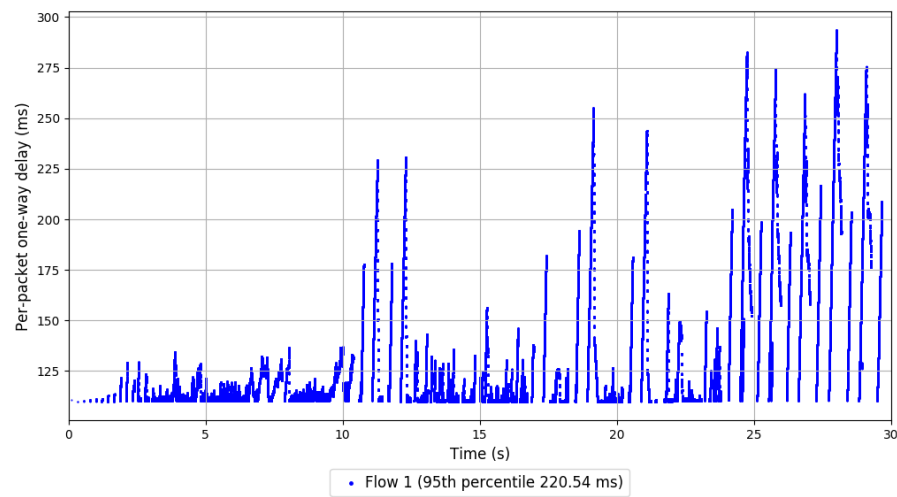
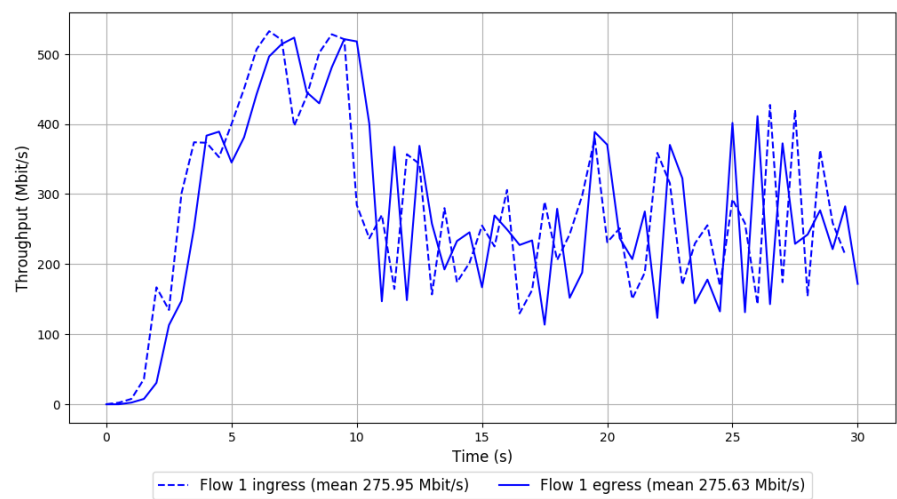
-- Flow 1:

Average throughput: 275.63 Mbit/s

95th percentile per-packet one-way delay: 220.539 ms

Loss rate: 1.44%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-18 13:15:09

End at: 2018-07-18 13:15:39

Local clock offset: 0.033 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2018-07-18 15:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.17 Mbit/s

95th percentile per-packet one-way delay: 142.039 ms

Loss rate: 1.38%

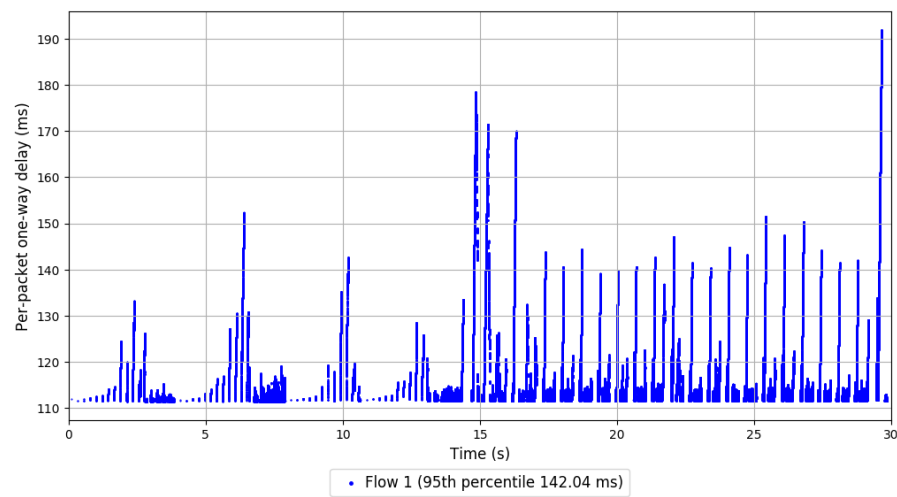
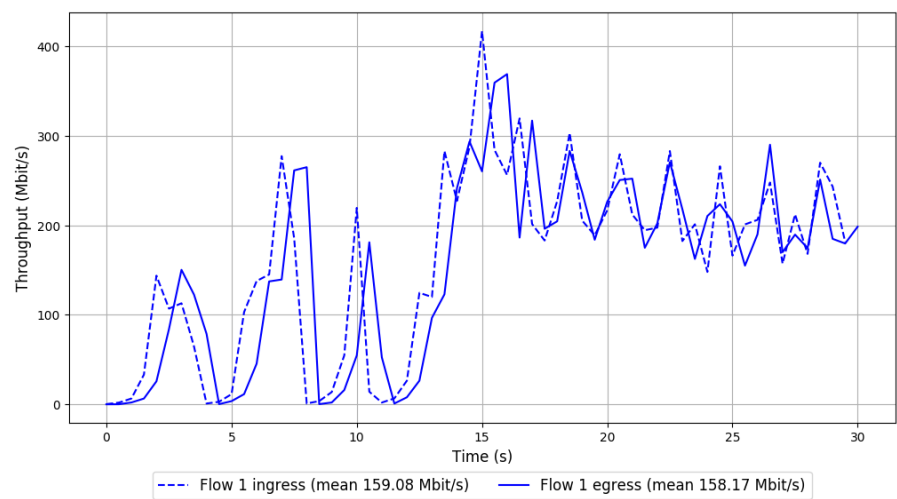
-- Flow 1:

Average throughput: 158.17 Mbit/s

95th percentile per-packet one-way delay: 142.039 ms

Loss rate: 1.38%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-18 13:38:03

End at: 2018-07-18 13:38:33

Local clock offset: -1.442 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-07-18 15:40:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.89 Mbit/s

95th percentile per-packet one-way delay: 285.756 ms

Loss rate: 2.96%

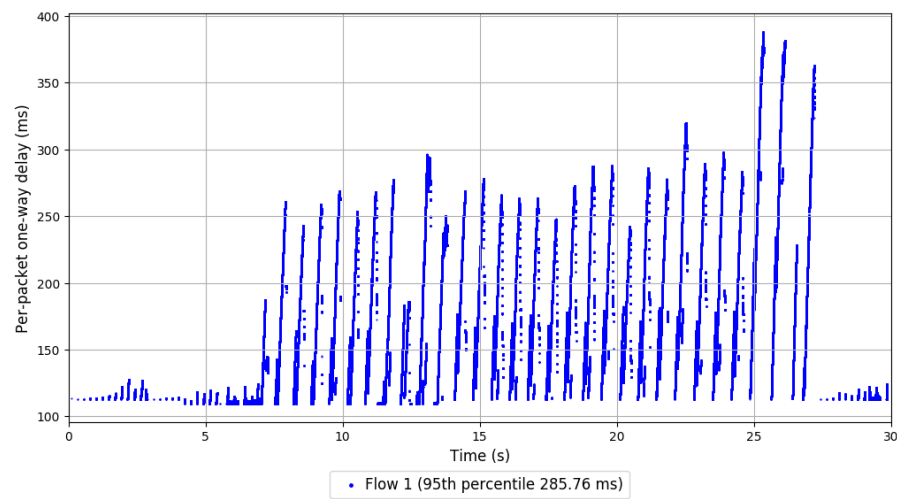
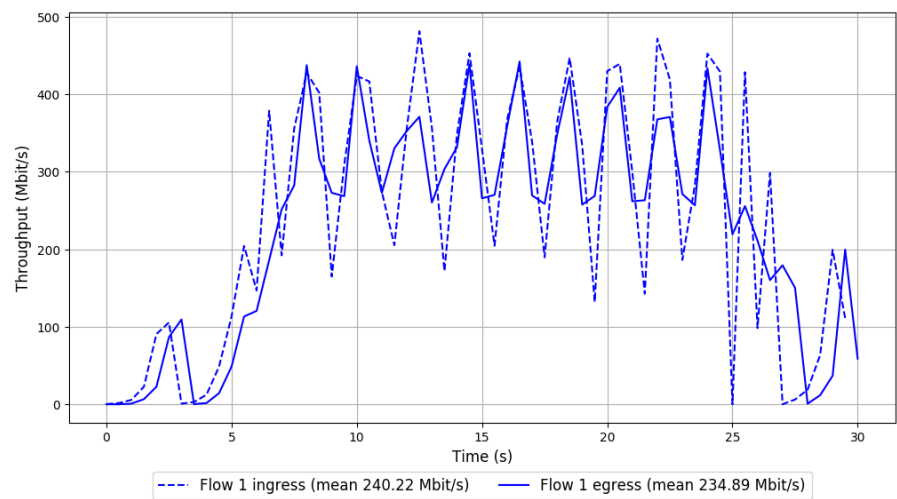
-- Flow 1:

Average throughput: 234.89 Mbit/s

95th percentile per-packet one-way delay: 285.756 ms

Loss rate: 2.96%

Run 9: Report of Verus — Data Link

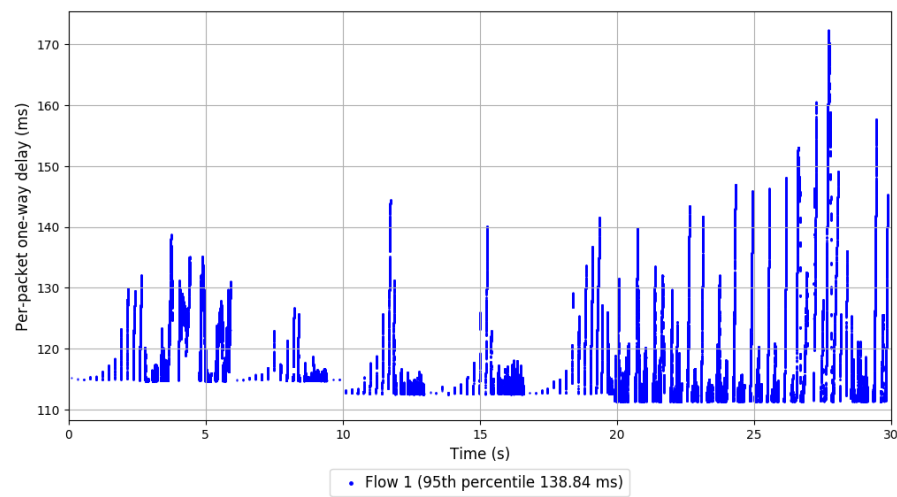
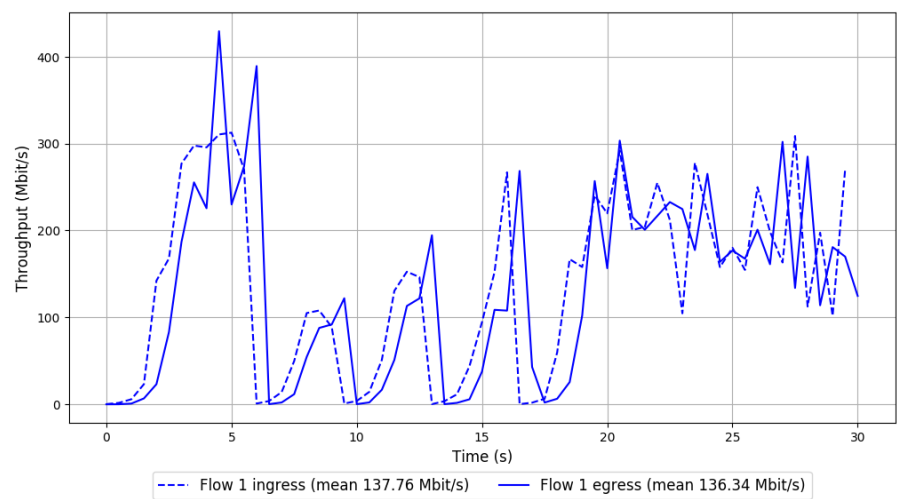


Run 10: Statistics of Verus

Start at: 2018-07-18 13:59:57
End at: 2018-07-18 14:00:27
Local clock offset: -0.011 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-18 15:40:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.34 Mbit/s
95th percentile per-packet one-way delay: 138.843 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 136.34 Mbit/s
95th percentile per-packet one-way delay: 138.843 ms
Loss rate: 1.77%

Run 10: Report of Verus — Data Link

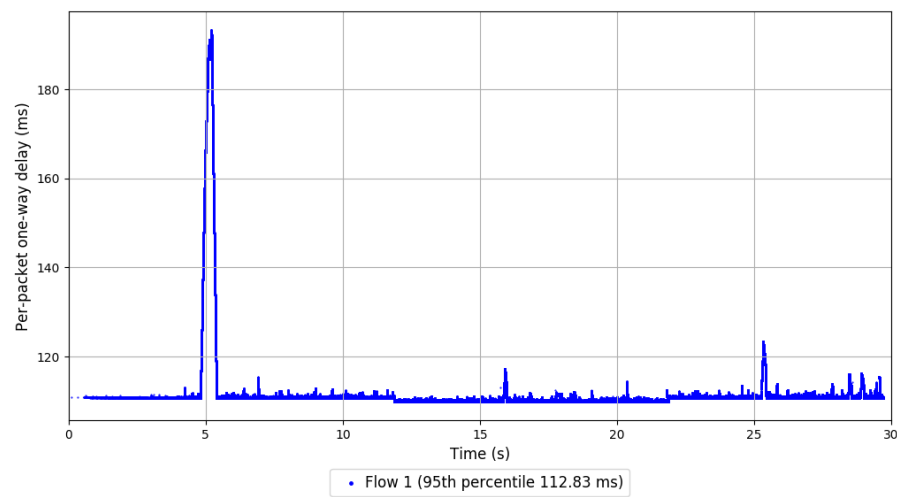
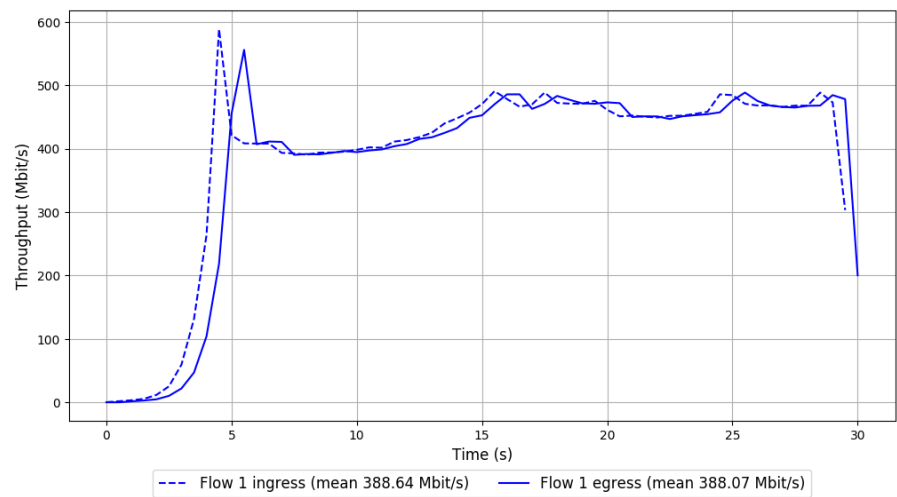


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 10:42:05
End at: 2018-07-18 10:42:35
Local clock offset: -0.29 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-18 15:44:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 388.07 Mbit/s
95th percentile per-packet one-way delay: 112.829 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 388.07 Mbit/s
95th percentile per-packet one-way delay: 112.829 ms
Loss rate: 0.90%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 11:04:32

End at: 2018-07-18 11:05:02

Local clock offset: 1.16 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-07-18 15:44:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.69 Mbit/s

95th percentile per-packet one-way delay: 121.568 ms

Loss rate: 0.46%

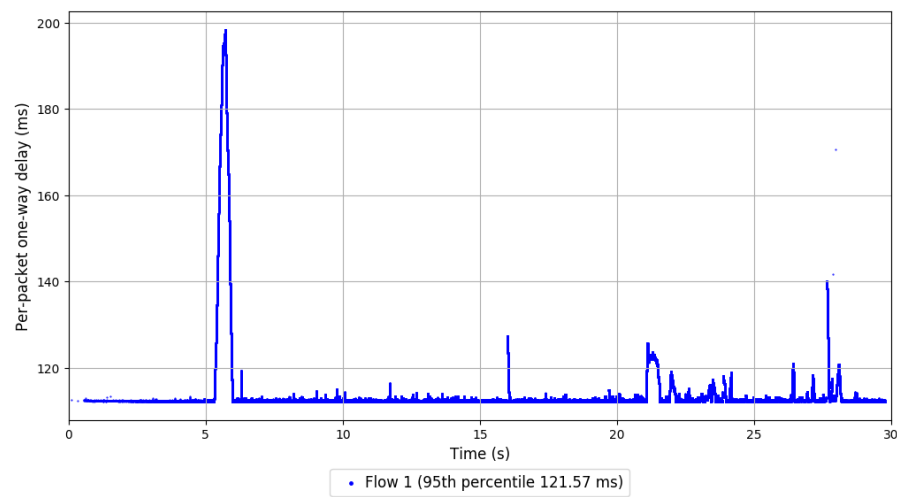
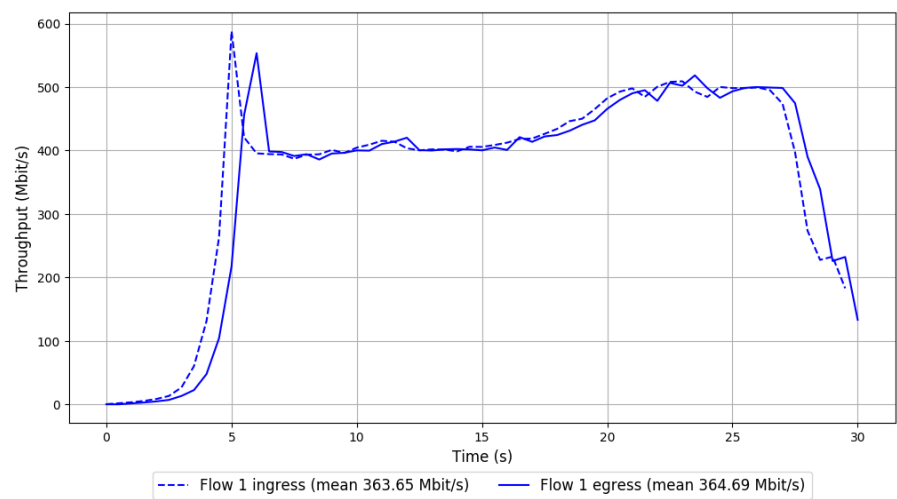
-- Flow 1:

Average throughput: 364.69 Mbit/s

95th percentile per-packet one-way delay: 121.568 ms

Loss rate: 0.46%

Run 2: Report of PCC-Vivace — Data Link

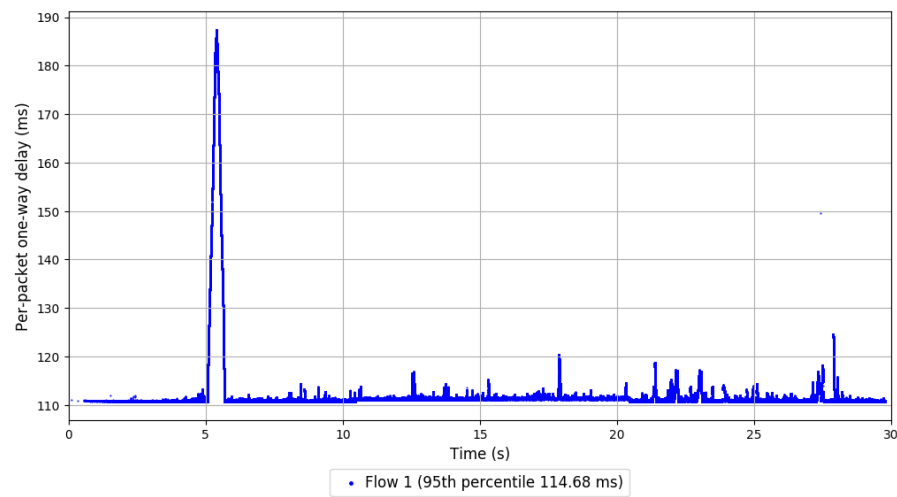
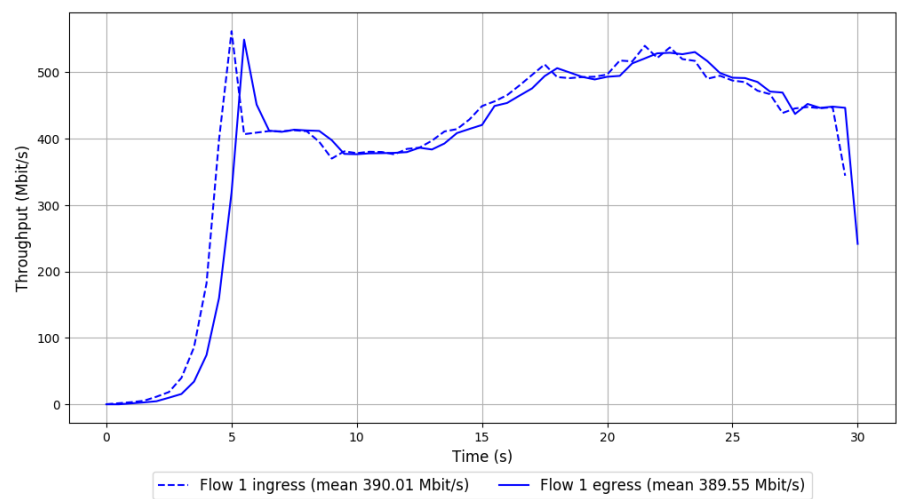


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 11:27:17
End at: 2018-07-18 11:27:47
Local clock offset: -0.233 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-18 15:45:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.55 Mbit/s
95th percentile per-packet one-way delay: 114.678 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 389.55 Mbit/s
95th percentile per-packet one-way delay: 114.678 ms
Loss rate: 0.86%

Run 3: Report of PCC-Vivace — Data Link

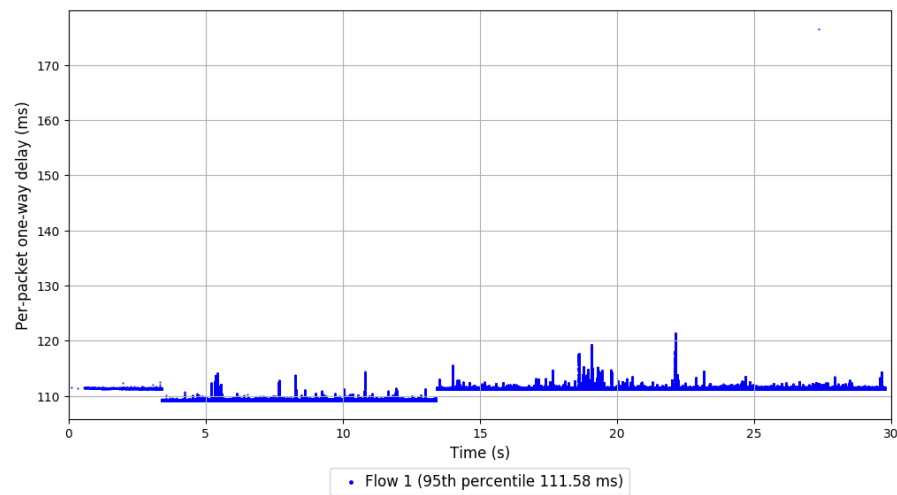
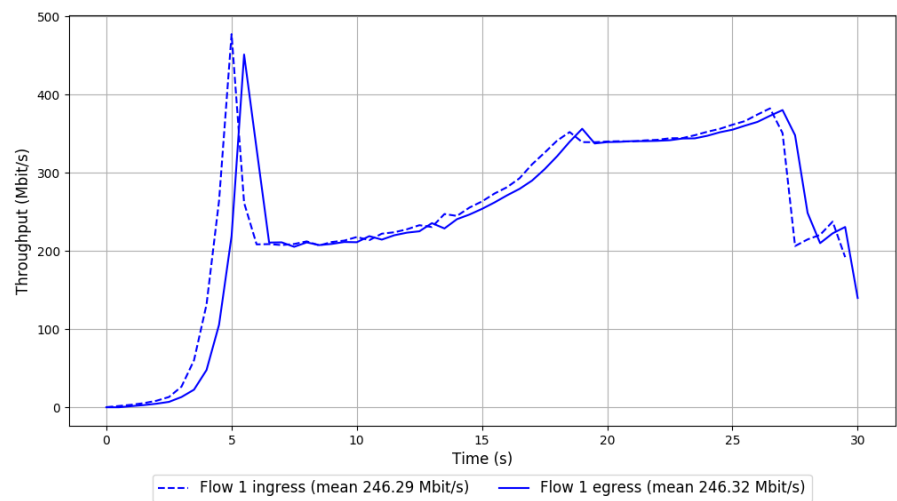


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 11:49:54
End at: 2018-07-18 11:50:24
Local clock offset: -0.011 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-18 15:45:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.32 Mbit/s
95th percentile per-packet one-way delay: 111.578 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 246.32 Mbit/s
95th percentile per-packet one-way delay: 111.578 ms
Loss rate: 0.73%

Run 4: Report of PCC-Vivace — Data Link

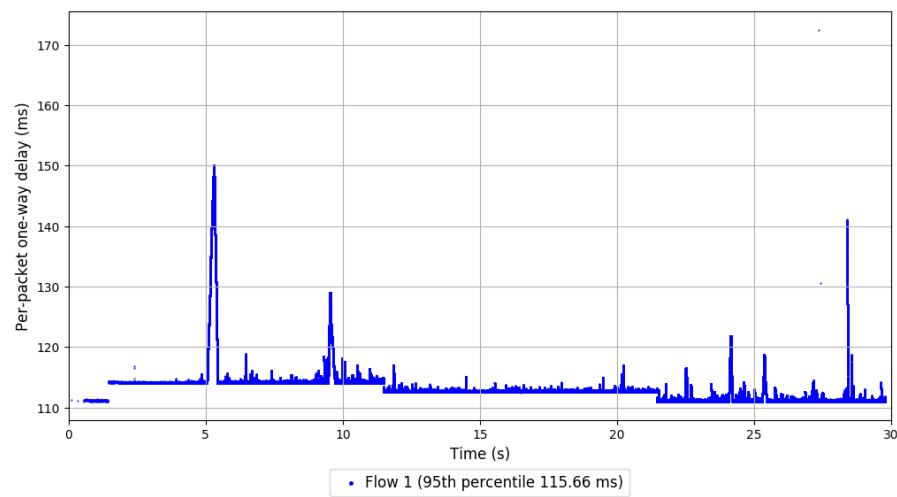
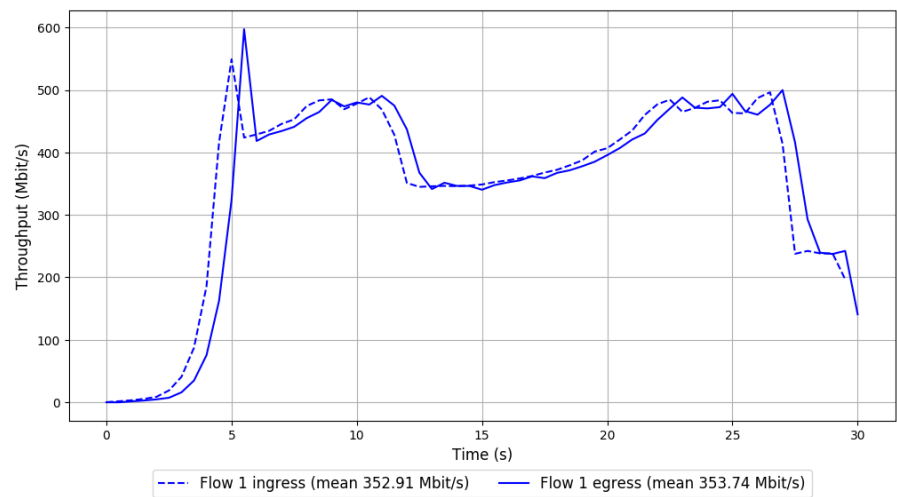


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-18 12:12:26
End at: 2018-07-18 12:12:56
Local clock offset: 1.412 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-07-18 15:45:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 353.74 Mbit/s
95th percentile per-packet one-way delay: 115.660 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 353.74 Mbit/s
95th percentile per-packet one-way delay: 115.660 ms
Loss rate: 0.51%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-18 12:34:56

End at: 2018-07-18 12:35:26

Local clock offset: 0.03 ms

Remote clock offset: 0.198 ms

Below is generated by plot.py at 2018-07-18 15:45:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.36 Mbit/s

95th percentile per-packet one-way delay: 114.985 ms

Loss rate: 0.83%

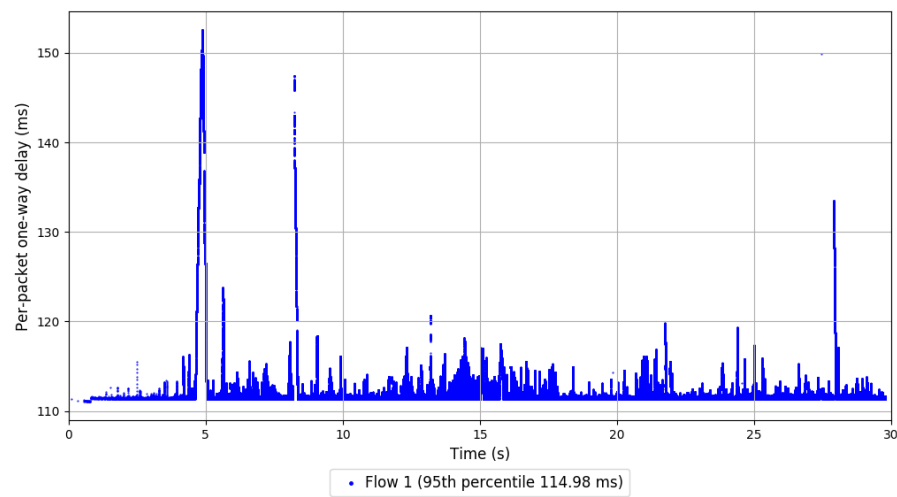
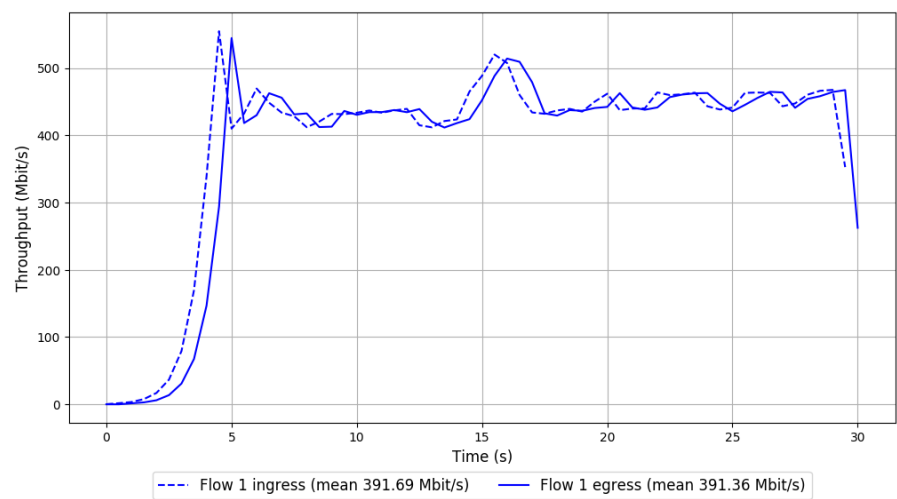
-- Flow 1:

Average throughput: 391.36 Mbit/s

95th percentile per-packet one-way delay: 114.985 ms

Loss rate: 0.83%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 12:57:46

End at: 2018-07-18 12:58:16

Local clock offset: -1.302 ms

Remote clock offset: 0.631 ms

Below is generated by plot.py at 2018-07-18 15:45:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.51 Mbit/s

95th percentile per-packet one-way delay: 173.904 ms

Loss rate: 0.75%

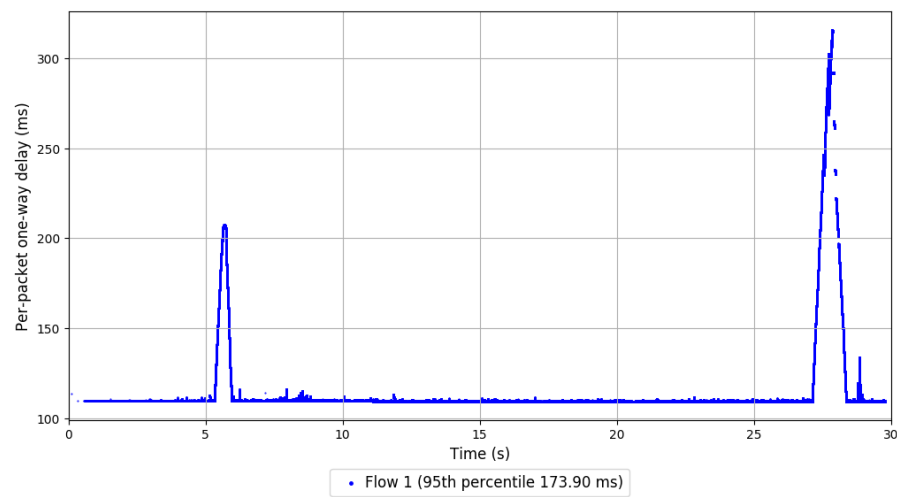
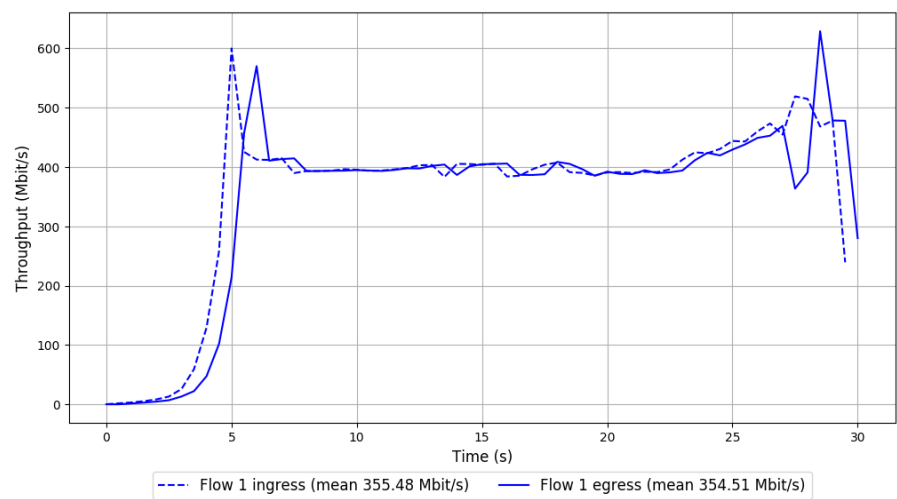
-- Flow 1:

Average throughput: 354.51 Mbit/s

95th percentile per-packet one-way delay: 173.904 ms

Loss rate: 0.75%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 13:20:13

End at: 2018-07-18 13:20:43

Local clock offset: 1.313 ms

Remote clock offset: 0.583 ms

Below is generated by plot.py at 2018-07-18 15:45:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.00 Mbit/s

95th percentile per-packet one-way delay: 113.574 ms

Loss rate: 0.94%

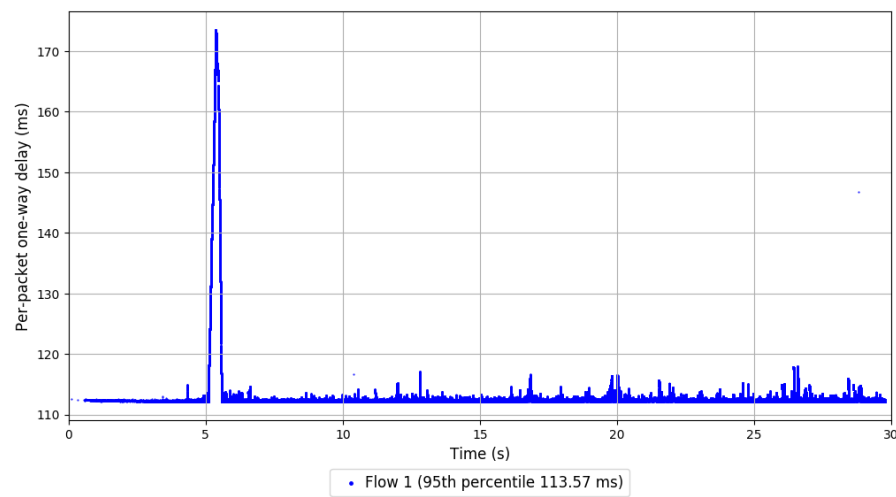
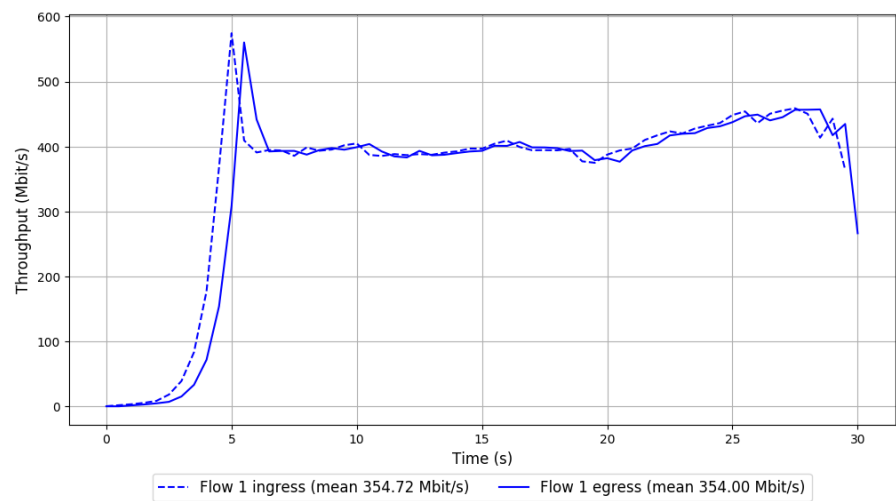
-- Flow 1:

Average throughput: 354.00 Mbit/s

95th percentile per-packet one-way delay: 113.574 ms

Loss rate: 0.94%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 13:43:14

End at: 2018-07-18 13:43:44

Local clock offset: -0.007 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2018-07-18 15:46:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.50 Mbit/s

95th percentile per-packet one-way delay: 142.611 ms

Loss rate: 0.81%

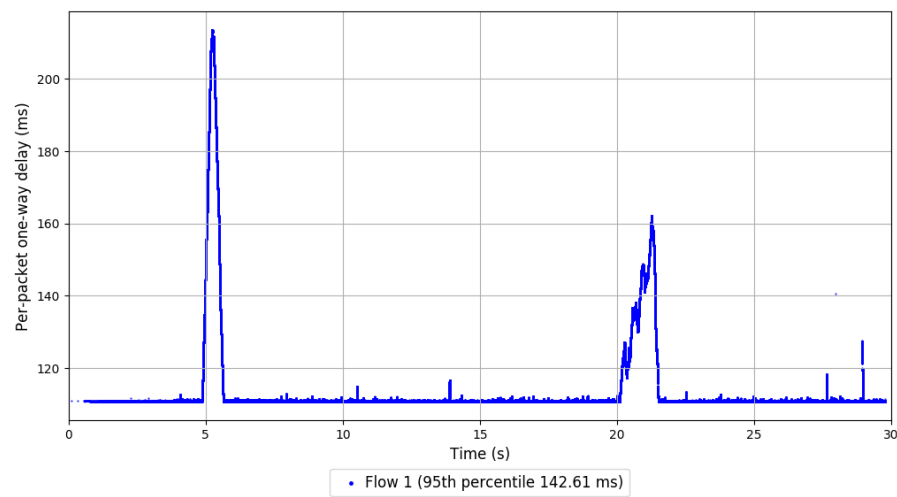
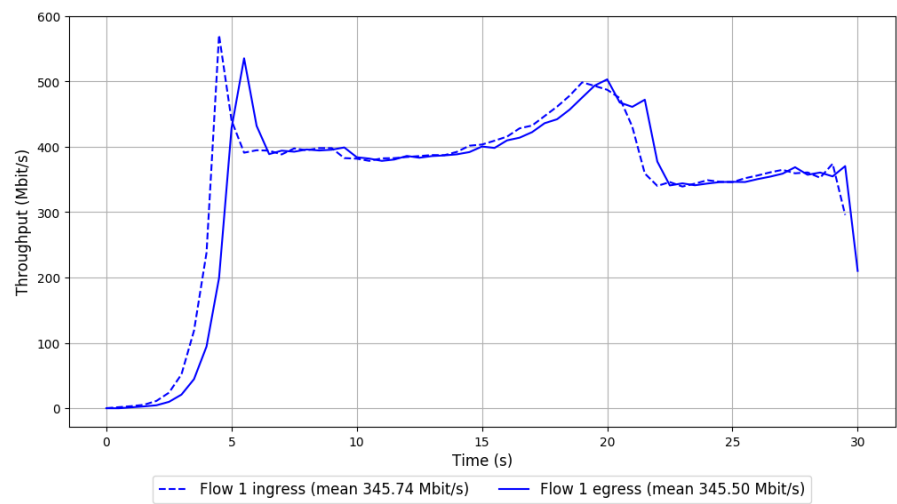
-- Flow 1:

Average throughput: 345.50 Mbit/s

95th percentile per-packet one-way delay: 142.611 ms

Loss rate: 0.81%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 14:04:58

End at: 2018-07-18 14:05:28

Local clock offset: -0.112 ms

Remote clock offset: 0.264 ms

Below is generated by plot.py at 2018-07-18 15:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.96 Mbit/s

95th percentile per-packet one-way delay: 113.175 ms

Loss rate: 0.93%

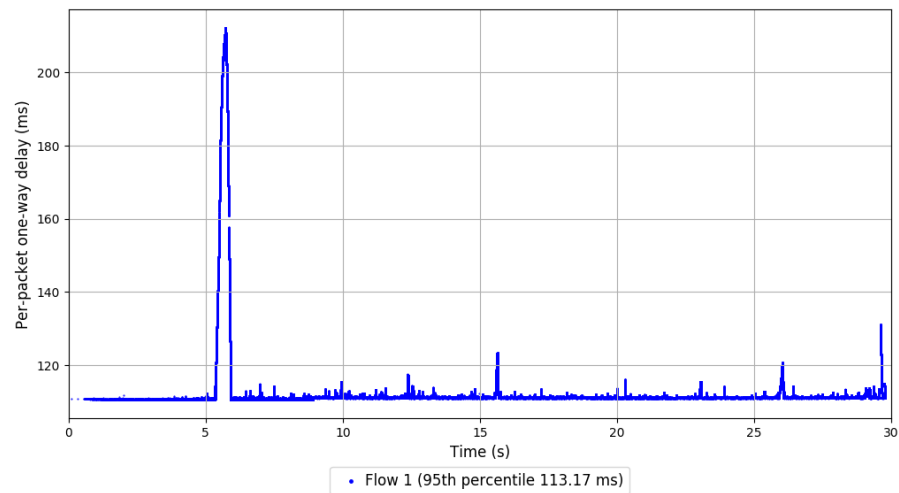
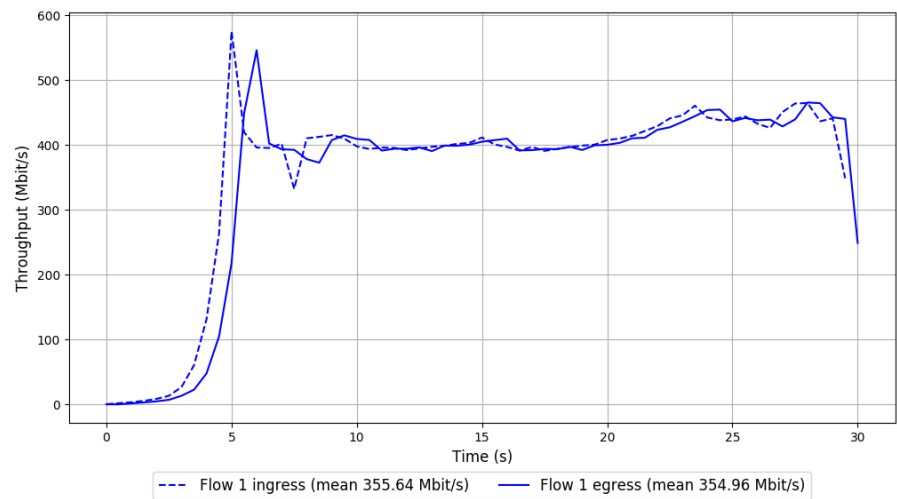
-- Flow 1:

Average throughput: 354.96 Mbit/s

95th percentile per-packet one-way delay: 113.175 ms

Loss rate: 0.93%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-18 10:35:54

End at: 2018-07-18 10:36:24

Local clock offset: -0.009 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2018-07-18 15:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 112.522 ms

Loss rate: 1.04%

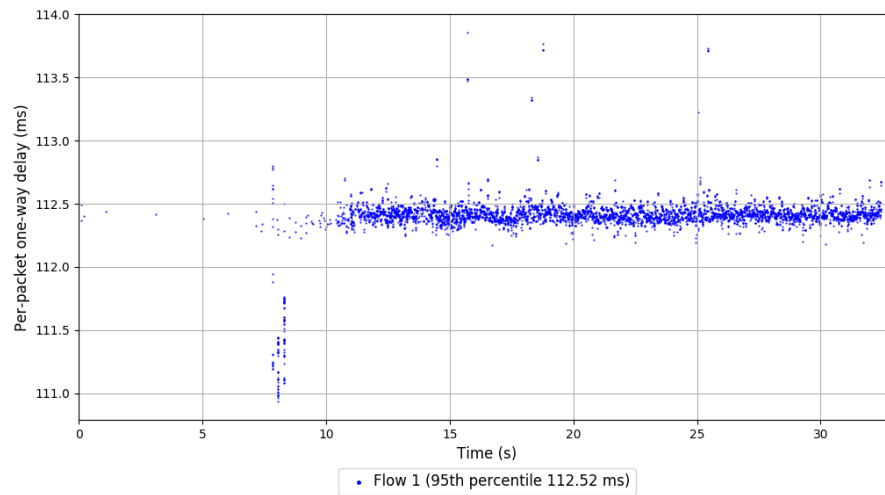
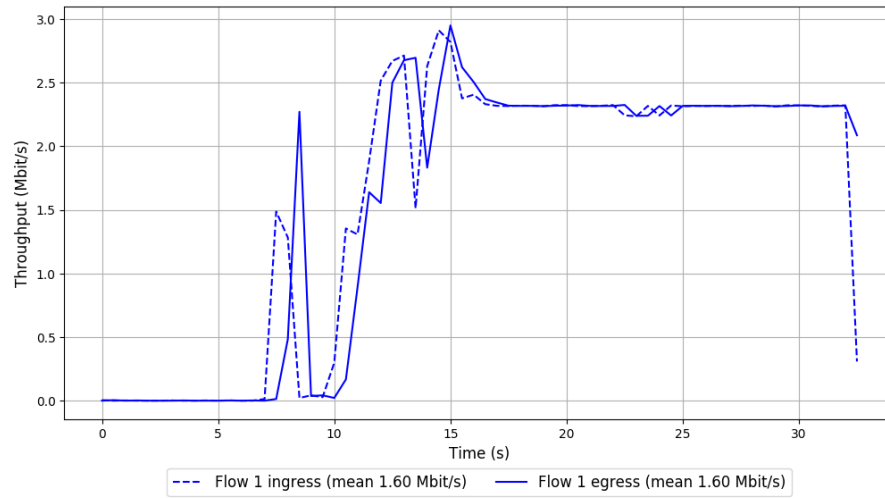
-- Flow 1:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 112.522 ms

Loss rate: 1.04%

Run 1: Report of WebRTC media — Data Link

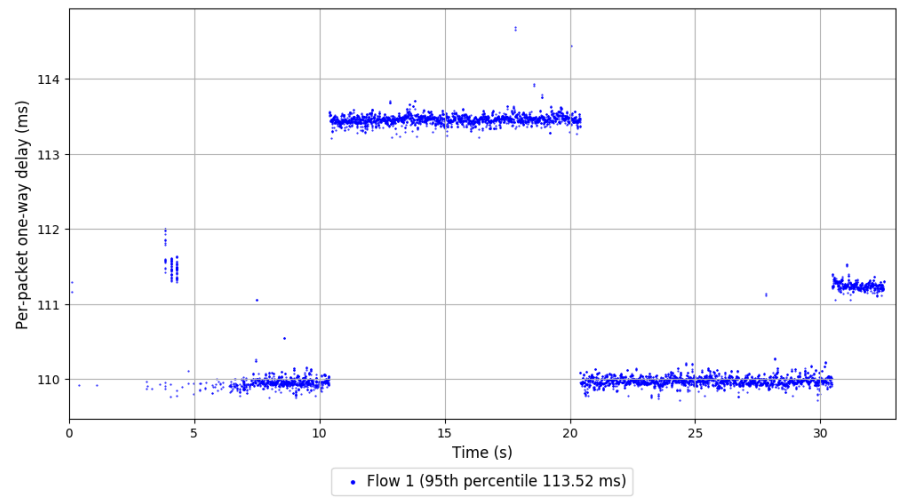
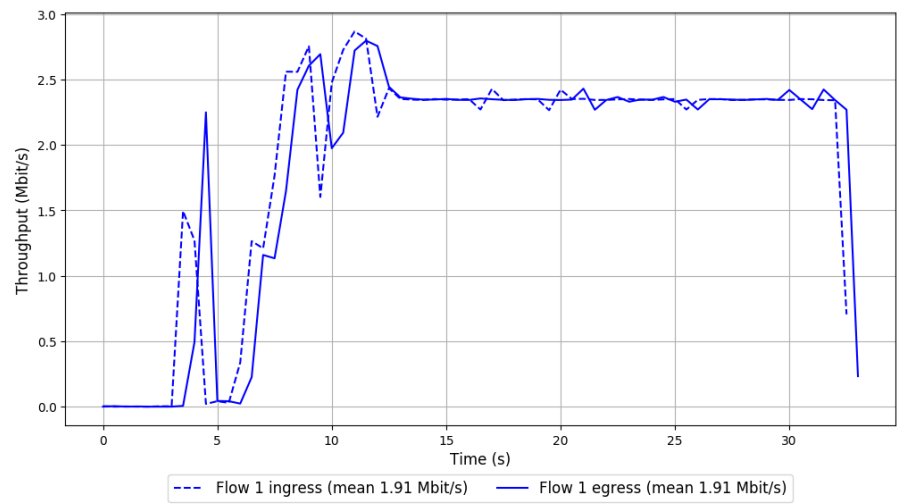


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 10:58:29
End at: 2018-07-18 10:58:59
Local clock offset: -0.483 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-07-18 15:46:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 113.519 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 113.519 ms
Loss rate: 0.82%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-18 11:21:04

End at: 2018-07-18 11:21:35

Local clock offset: 0.098 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-07-18 15:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 111.618 ms

Loss rate: 0.81%

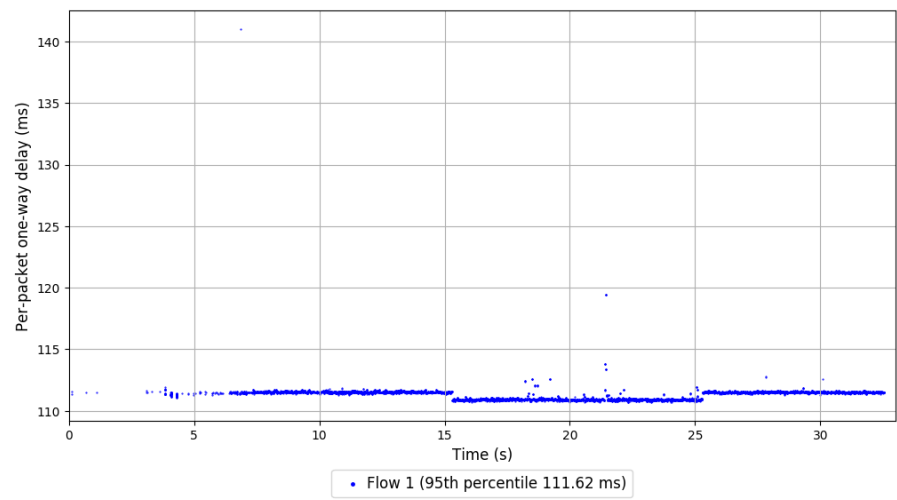
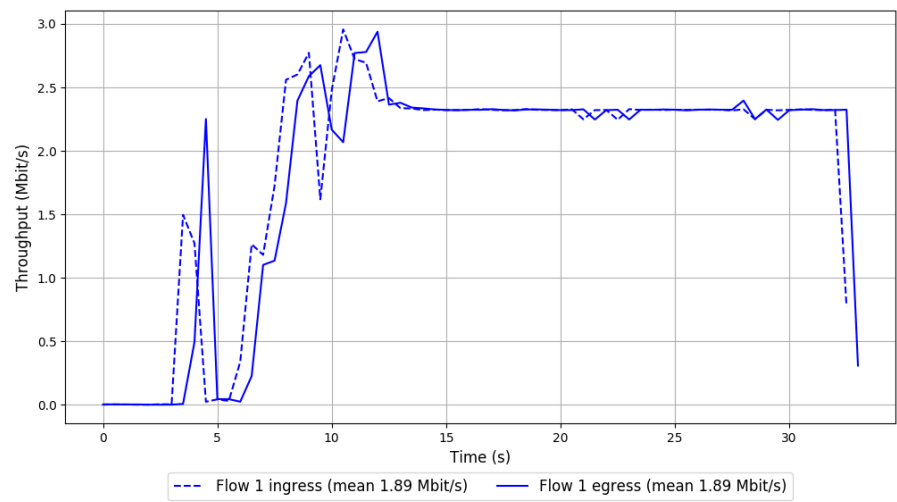
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 111.618 ms

Loss rate: 0.81%

Run 3: Report of WebRTC media — Data Link

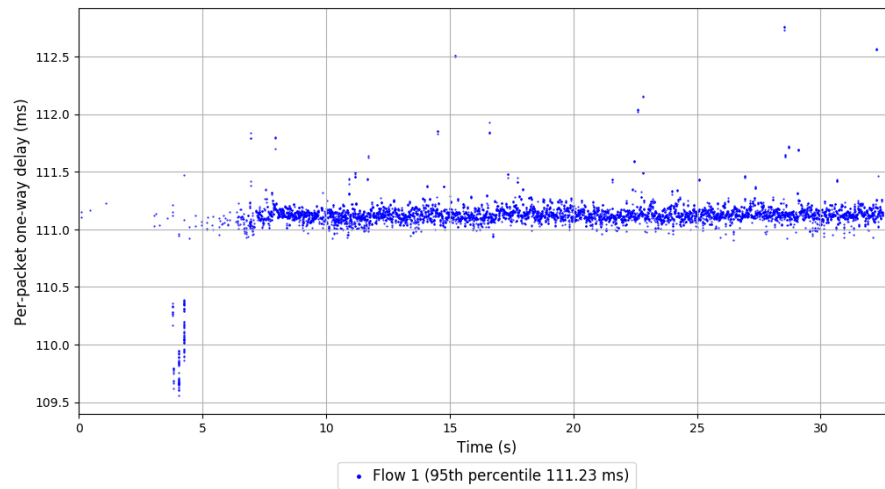
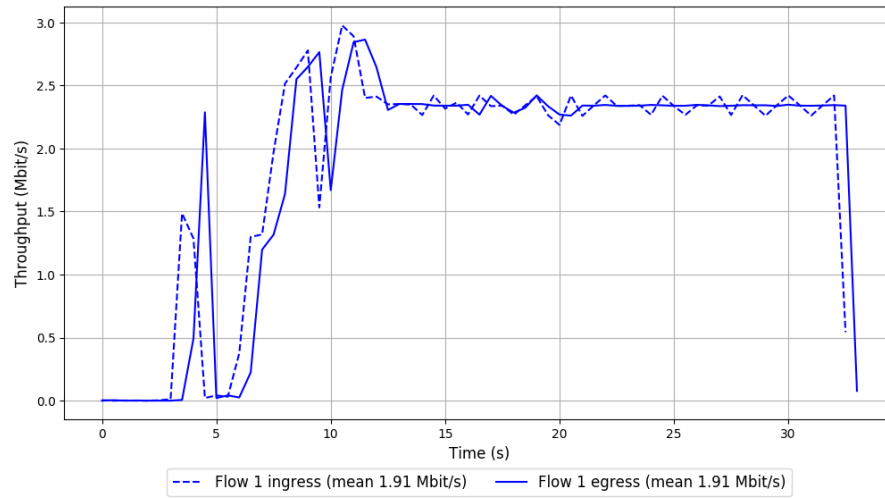


Run 4: Statistics of WebRTC media

Start at: 2018-07-18 11:43:36
End at: 2018-07-18 11:44:06
Local clock offset: -0.381 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-18 15:46:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 111.233 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 111.233 ms
Loss rate: 0.81%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-18 12:06:14

End at: 2018-07-18 12:06:44

Local clock offset: -1.374 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-18 15:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 110.300 ms

Loss rate: 0.87%

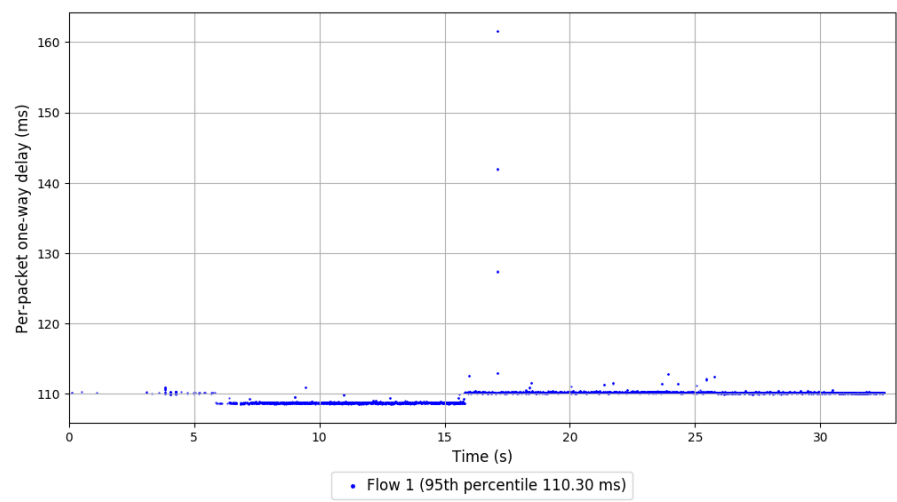
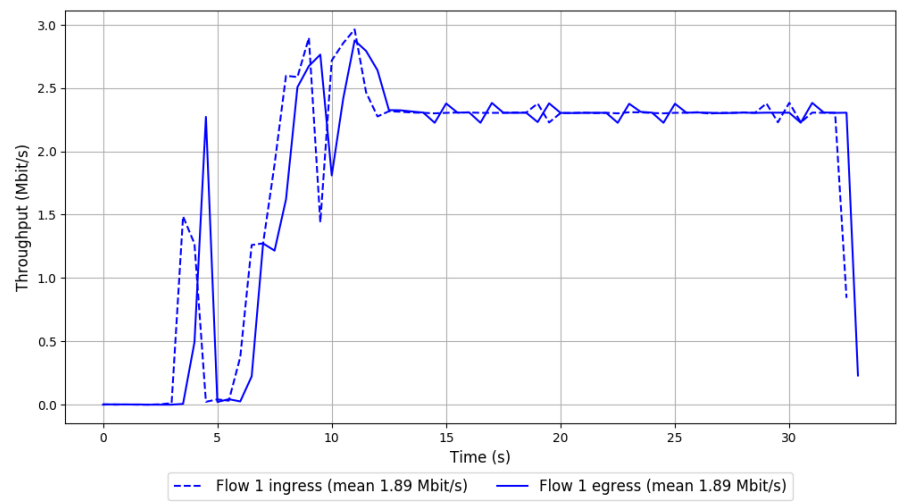
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 110.300 ms

Loss rate: 0.87%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-18 12:28:41

End at: 2018-07-18 12:29:11

Local clock offset: -0.117 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-07-18 15:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 111.467 ms

Loss rate: 0.88%

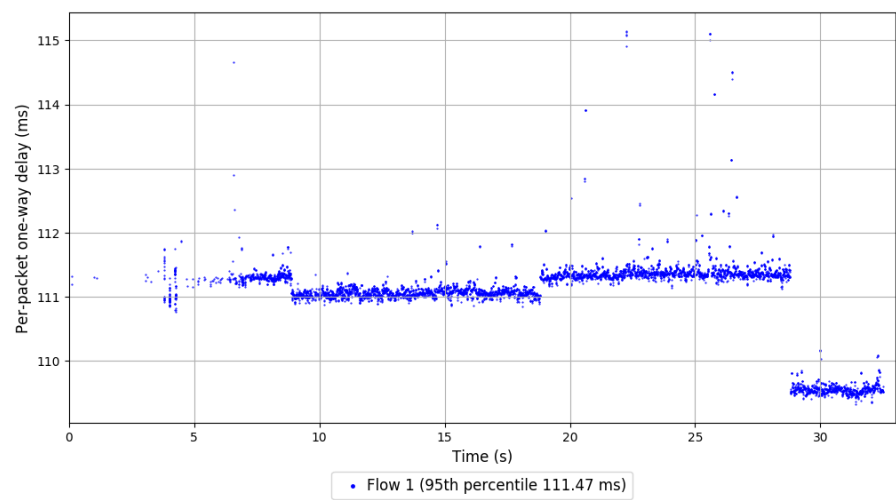
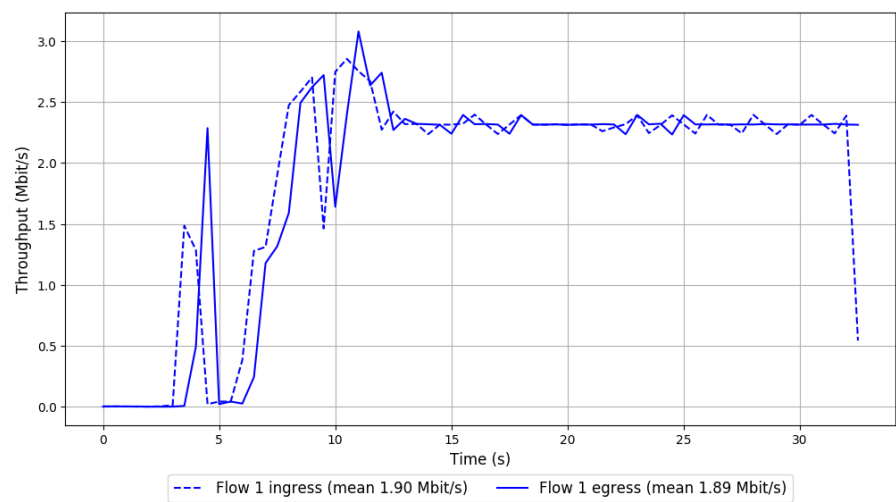
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 111.467 ms

Loss rate: 0.88%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-18 12:51:27

End at: 2018-07-18 12:51:57

Local clock offset: 0.012 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-07-18 15:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 111.600 ms

Loss rate: 0.81%

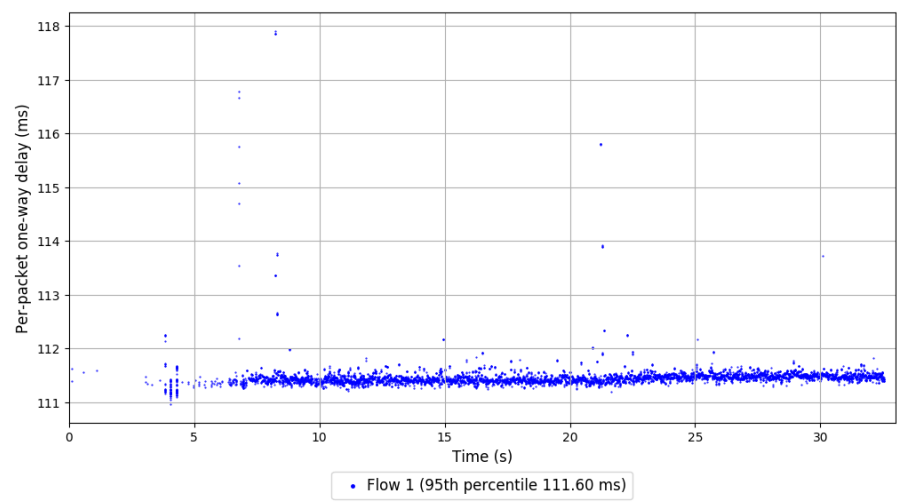
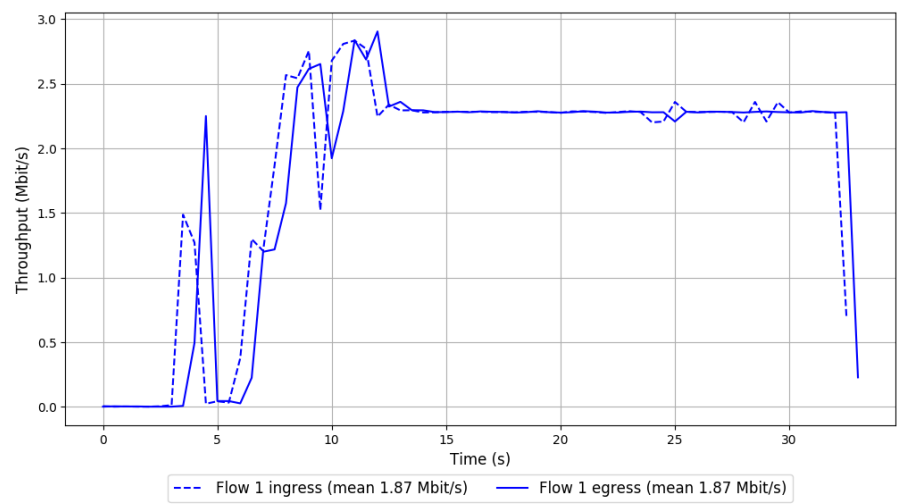
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 111.600 ms

Loss rate: 0.81%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-18 13:14:01

End at: 2018-07-18 13:14:31

Local clock offset: -0.258 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at 2018-07-18 15:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 111.213 ms

Loss rate: 0.88%

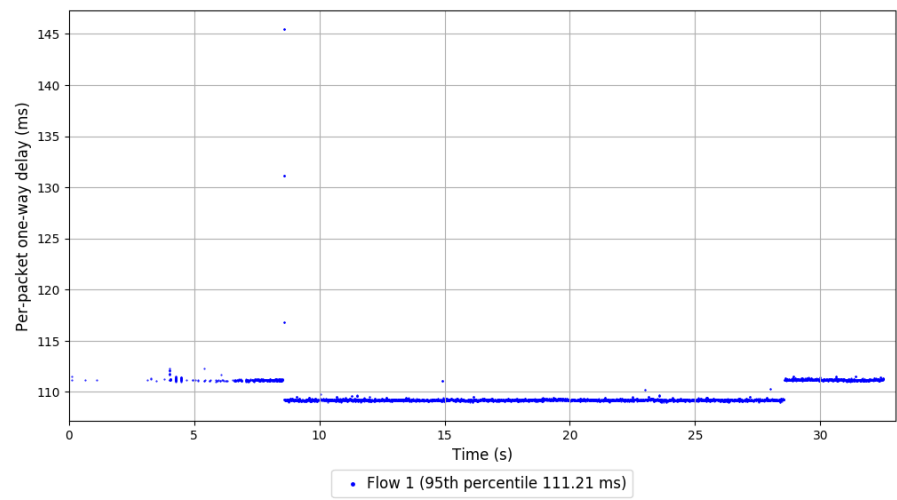
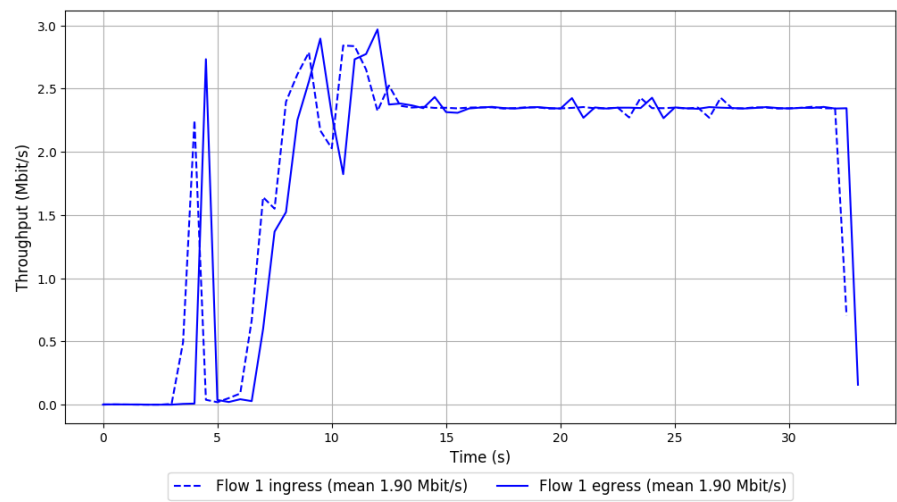
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 111.213 ms

Loss rate: 0.88%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-18 13:36:55

End at: 2018-07-18 13:37:25

Local clock offset: -1.09 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-18 15:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 111.859 ms

Loss rate: 0.87%

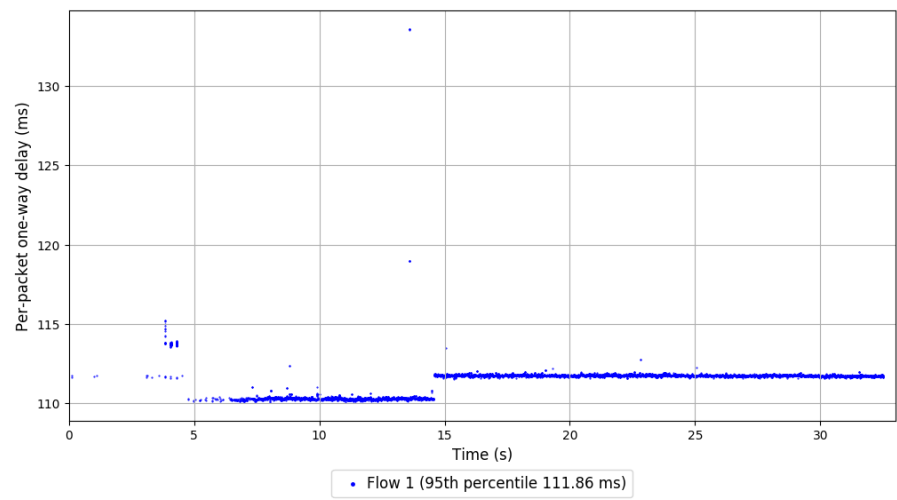
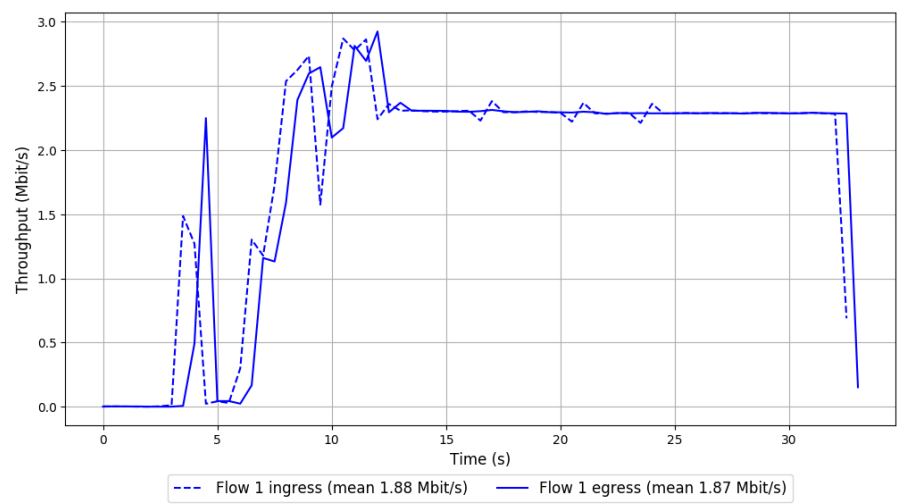
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 111.859 ms

Loss rate: 0.87%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 13:58:49
End at: 2018-07-18 13:59:19
Local clock offset: -0.431 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-18 15:46:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 112.784 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 112.784 ms
Loss rate: 0.81%

Run 10: Report of WebRTC media — Data Link

