

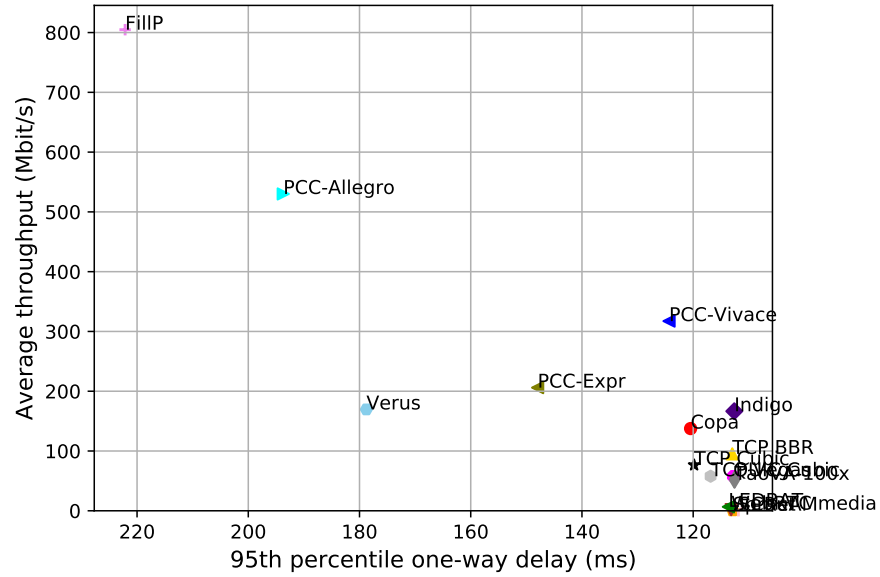
Pantheon Report

Generated at 2018-06-05 19:13:47 (UTC).
Data path: GCE London Ethernet (*remote*) → GCE Tokyo Ethernet (*local*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

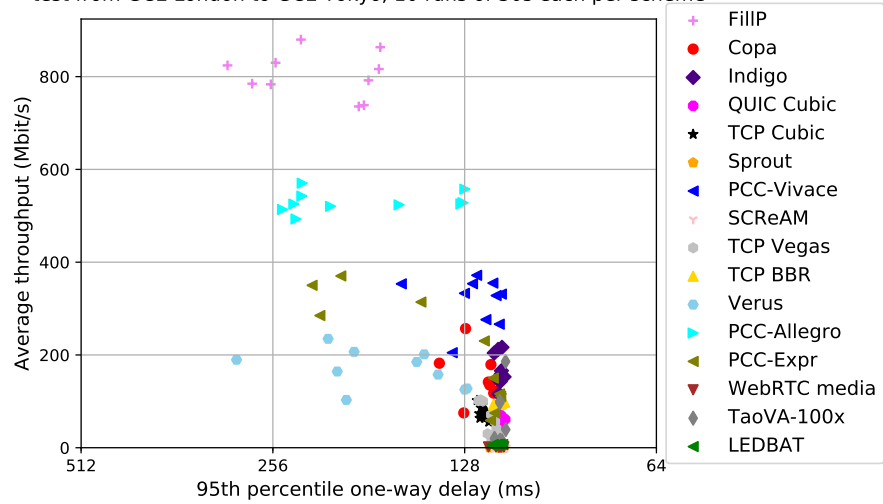
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from 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



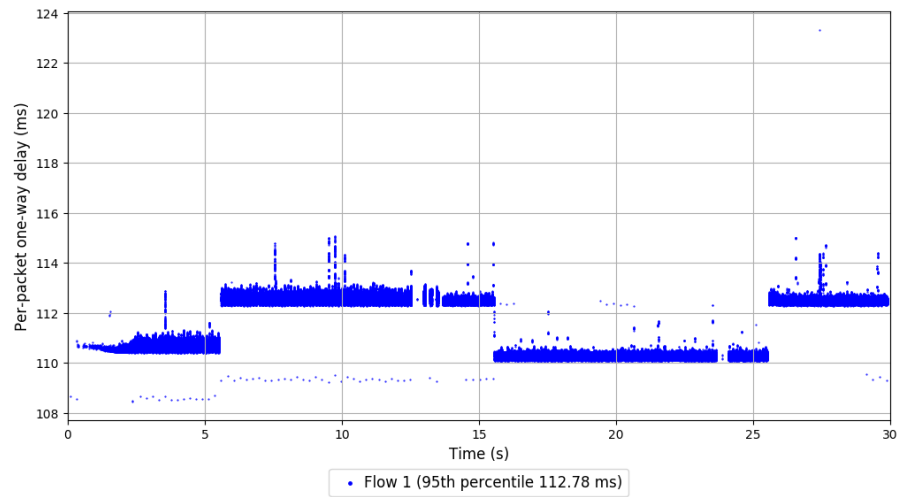
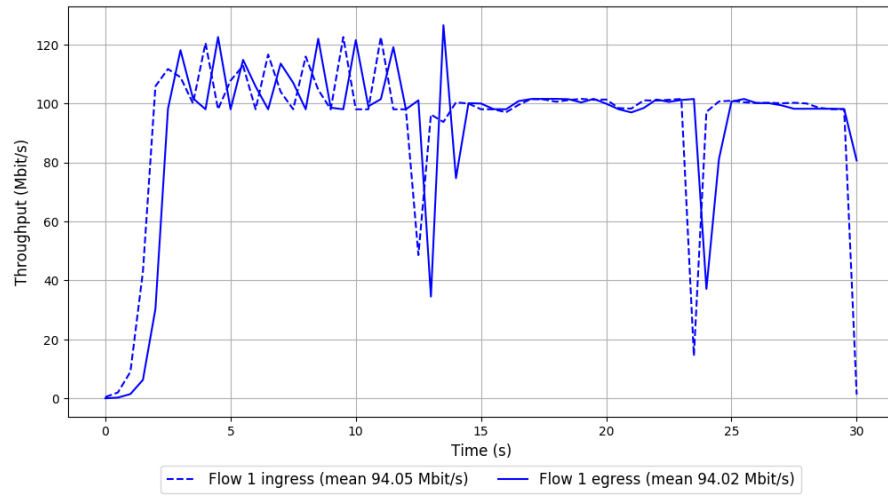
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.20	112.97	0.79
Copa	10	137.55	120.46	0.79
TCP Cubic	10	76.55	119.83	0.93
FillP	10	804.79	222.15	3.39
Indigo	10	166.54	112.61	0.81
LEDBAT	10	6.60	113.67	1.56
PCC-Allegro	10	530.00	193.71	2.13
PCC-Expr	10	206.02	147.97	1.65
QUIC Cubic	9	57.74	112.81	1.09
SCReAM	10	0.19	111.88	0.70
Sprout	10	0.18	112.89	0.71
TaoVA-100x	10	51.76	112.57	0.51
TCP Vegas	10	57.80	116.87	0.78
Verus	10	169.55	178.77	1.46
PCC-Vivace	10	317.30	124.35	1.19
WebRTC media	10	1.84	113.17	0.86

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 14:42:21
End at: 2018-06-05 14:42:51
Local clock offset: -0.538 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-05 18:04:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 112.782 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 112.782 ms
Loss rate: 0.76%

Run 1: Report of TCP BBR — Data Link

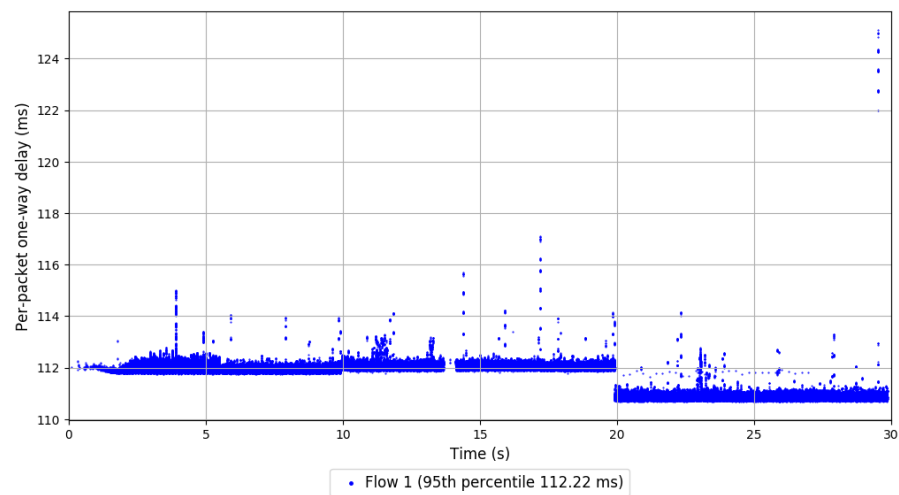
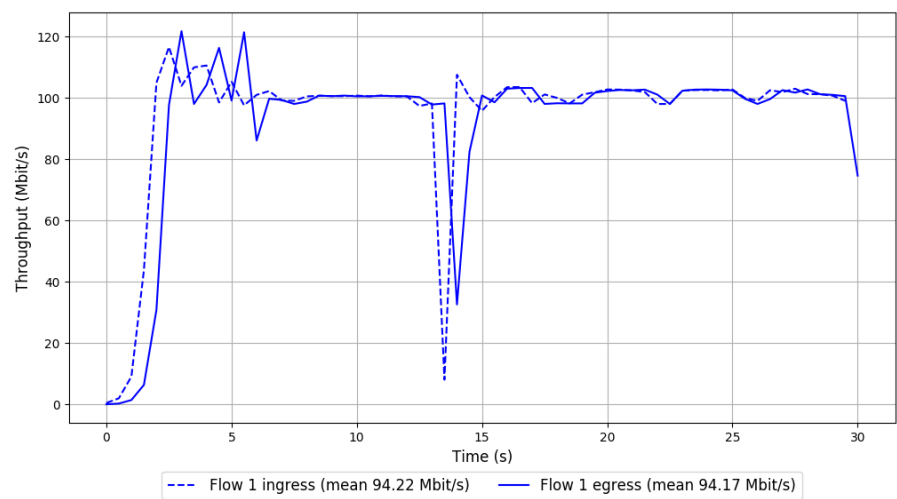


Run 2: Statistics of TCP BBR

Start at: 2018-06-05 15:03:07
End at: 2018-06-05 15:03:37
Local clock offset: -0.42 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-06-05 18:04:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 112.221 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 112.221 ms
Loss rate: 0.87%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-05 15:23:43

End at: 2018-06-05 15:24:13

Local clock offset: 0.013 ms

Remote clock offset: 0.363 ms

Below is generated by plot.py at 2018-06-05 18:04:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 112.570 ms

Loss rate: 0.86%

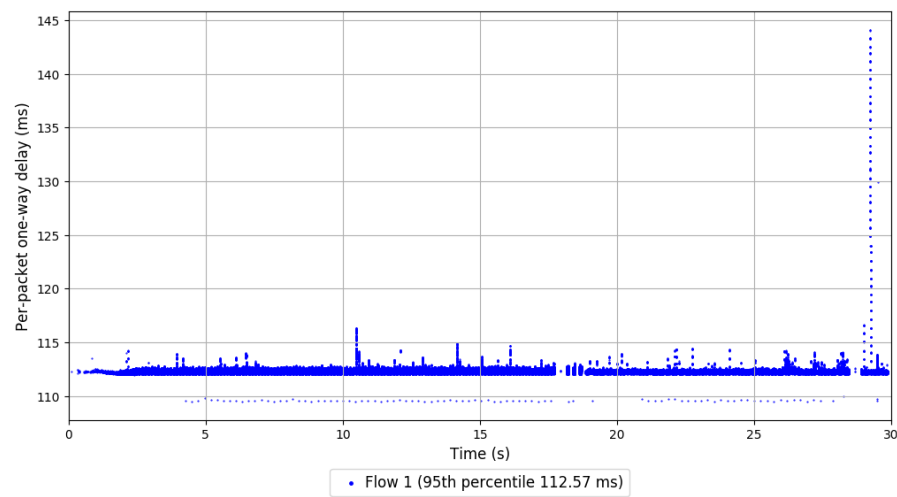
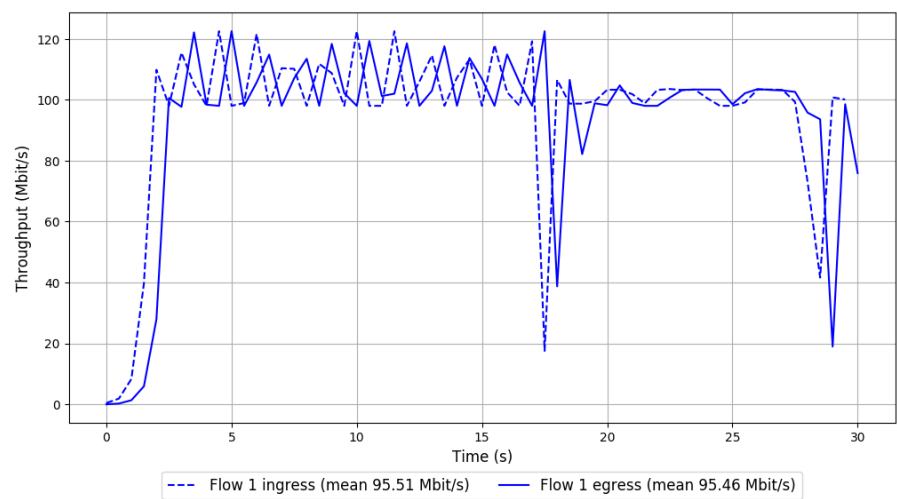
-- Flow 1:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 112.570 ms

Loss rate: 0.86%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-05 15:44:23

End at: 2018-06-05 15:44:53

Local clock offset: -0.013 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-05 18:04:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 112.820 ms

Loss rate: 0.75%

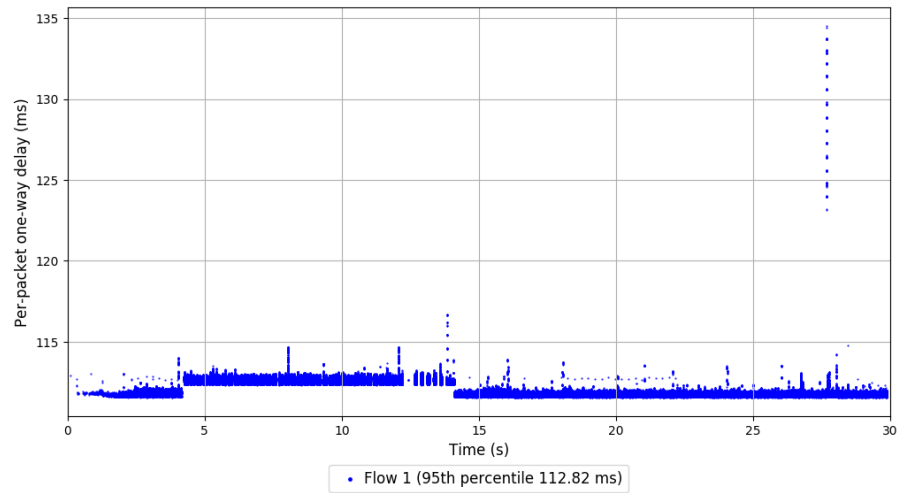
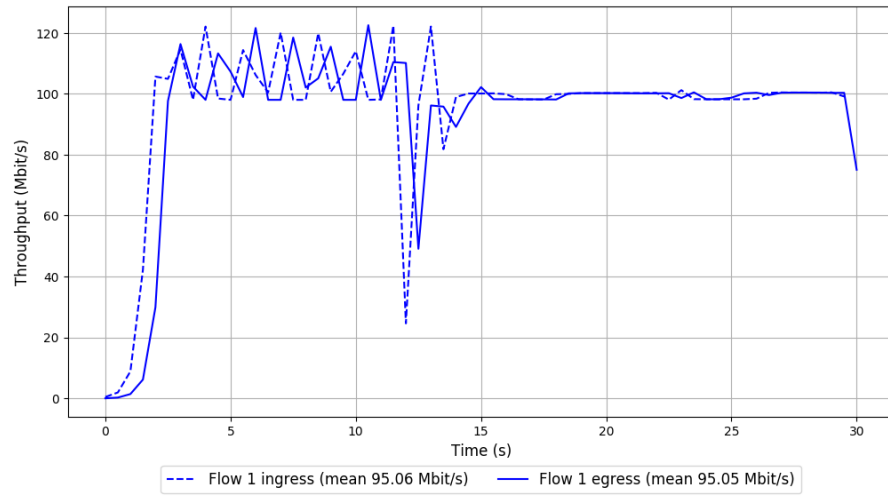
-- Flow 1:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 112.820 ms

Loss rate: 0.75%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-05 16:05:20

End at: 2018-06-05 16:05:50

Local clock offset: 0.227 ms

Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-05 18:04:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 115.312 ms

Loss rate: 0.81%

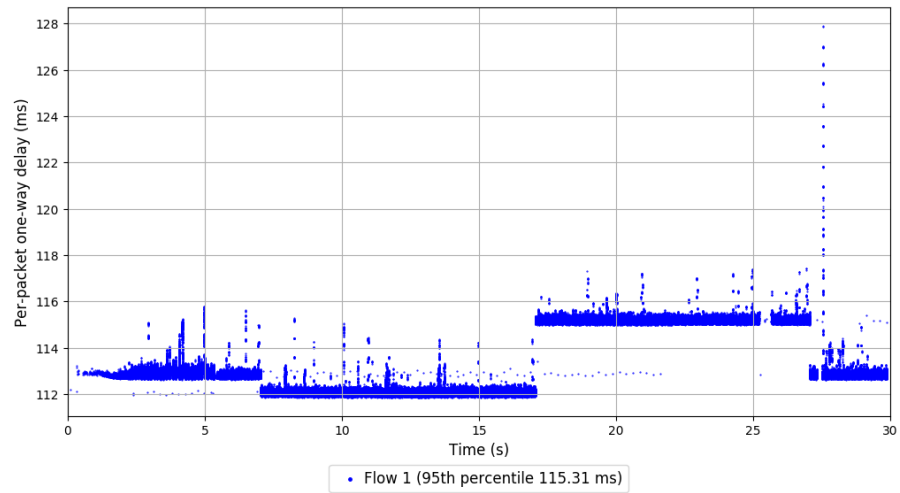
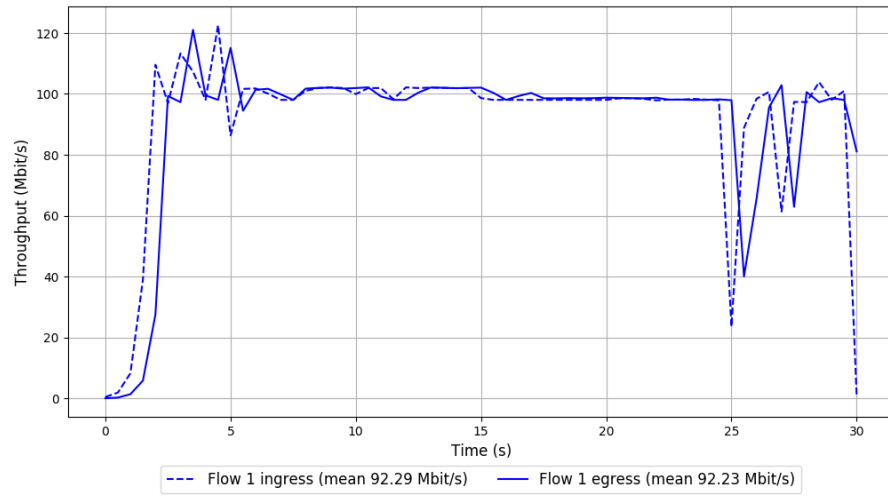
-- Flow 1:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 115.312 ms

Loss rate: 0.81%

Run 5: Report of TCP BBR — Data Link

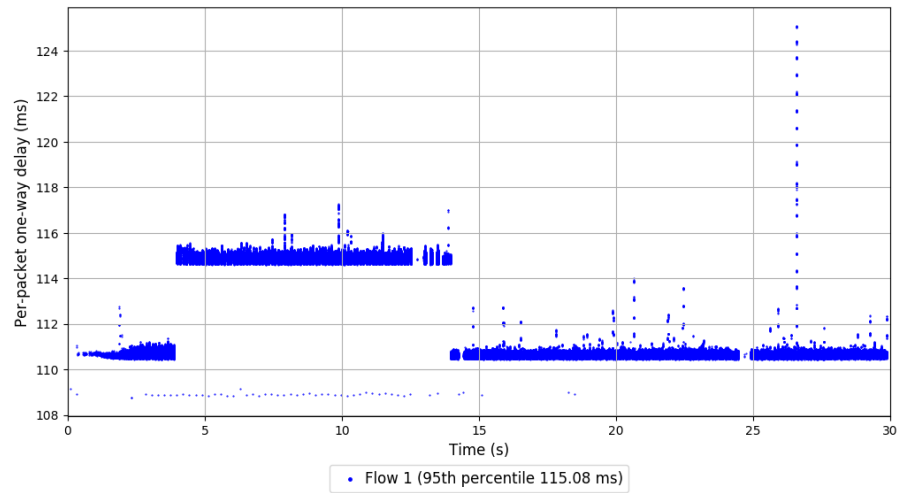
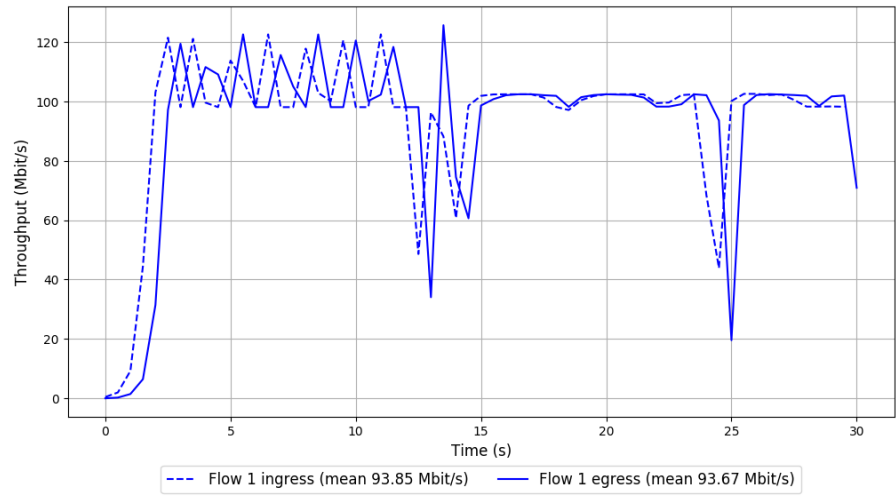


Run 6: Statistics of TCP BBR

Start at: 2018-06-05 16:26:13
End at: 2018-06-05 16:26:43
Local clock offset: -0.144 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-05 18:04:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 115.079 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 115.079 ms
Loss rate: 0.80%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-05 16:46:40

End at: 2018-06-05 16:47:10

Local clock offset: -0.21 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2018-06-05 18:04:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.91 Mbit/s

95th percentile per-packet one-way delay: 110.751 ms

Loss rate: 0.75%

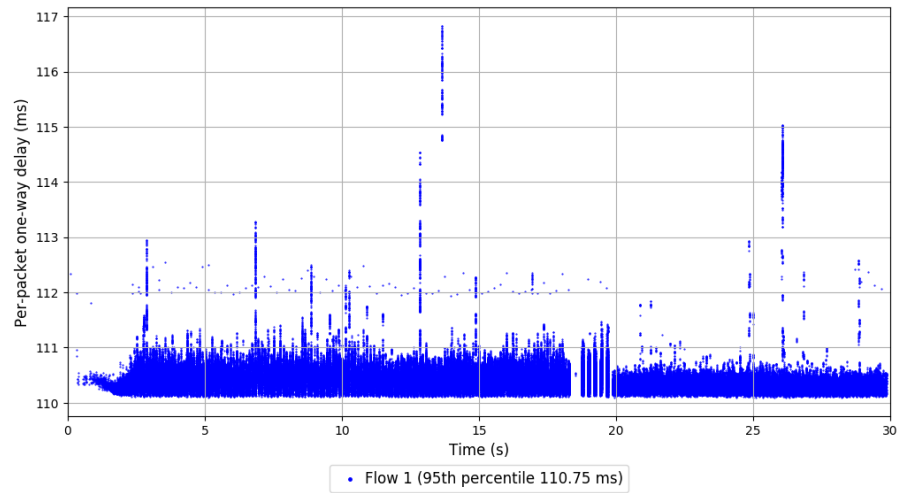
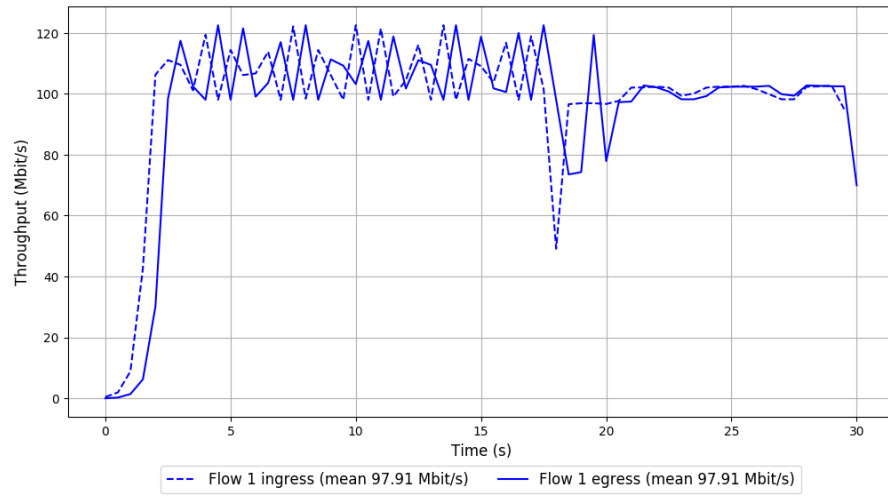
-- Flow 1:

Average throughput: 97.91 Mbit/s

95th percentile per-packet one-way delay: 110.751 ms

Loss rate: 0.75%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-05 17:07:25

End at: 2018-06-05 17:07:55

Local clock offset: -0.315 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-06-05 18:04:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 111.847 ms

Loss rate: 0.78%

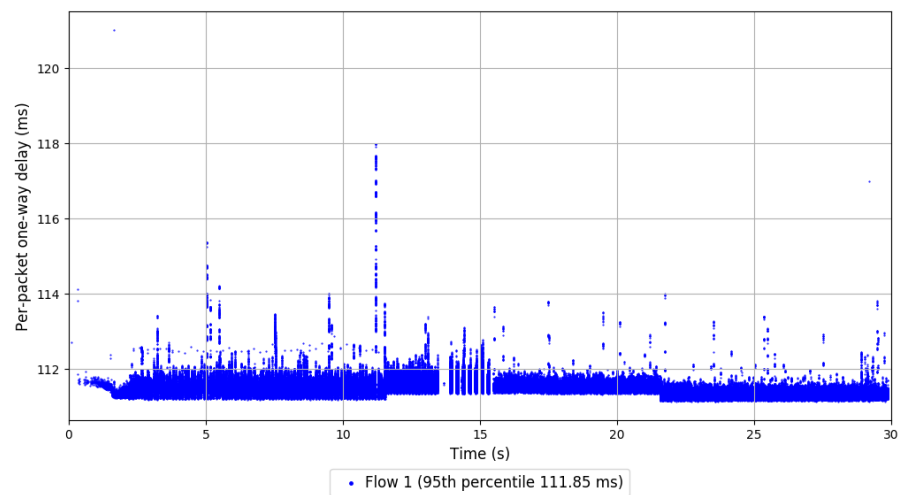
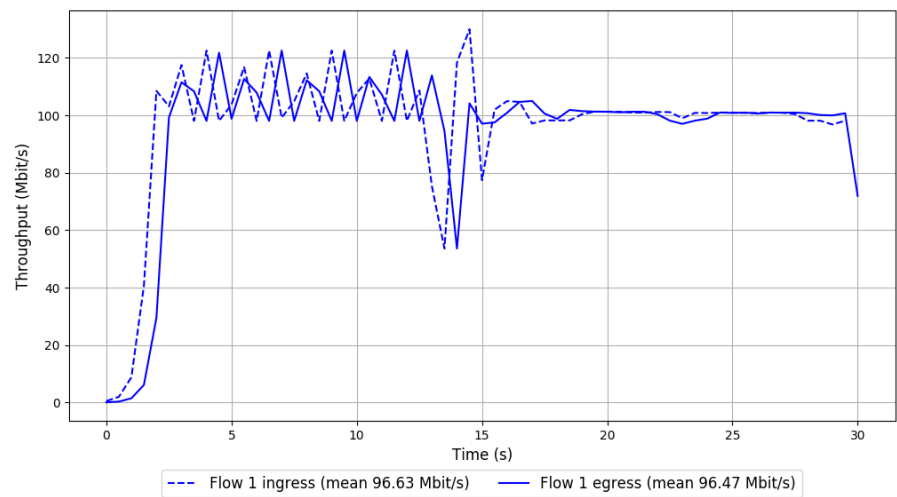
-- Flow 1:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 111.847 ms

Loss rate: 0.78%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-05 17:28:10

End at: 2018-06-05 17:28:40

Local clock offset: -0.123 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2018-06-05 18:06:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 112.873 ms

Loss rate: 0.79%

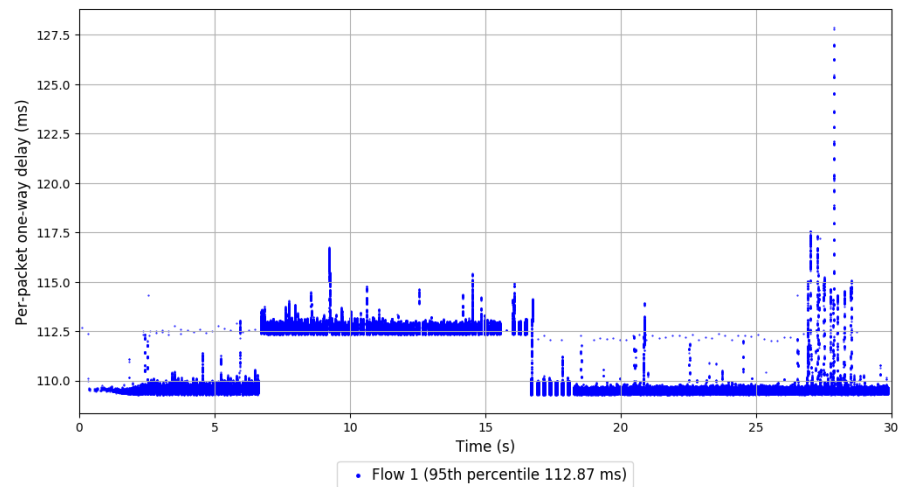
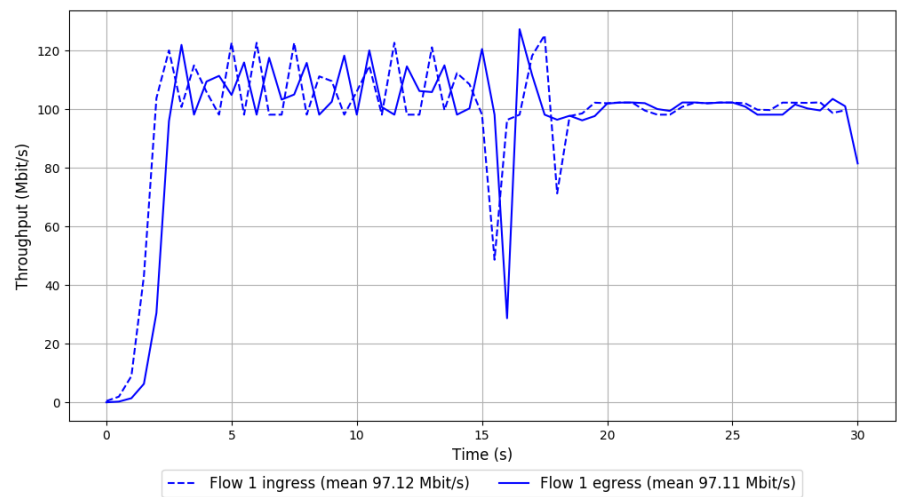
-- Flow 1:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 112.873 ms

Loss rate: 0.79%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-05 17:48:57

End at: 2018-06-05 17:49:27

Local clock offset: 0.046 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-06-05 18:06:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 113.448 ms

Loss rate: 0.76%

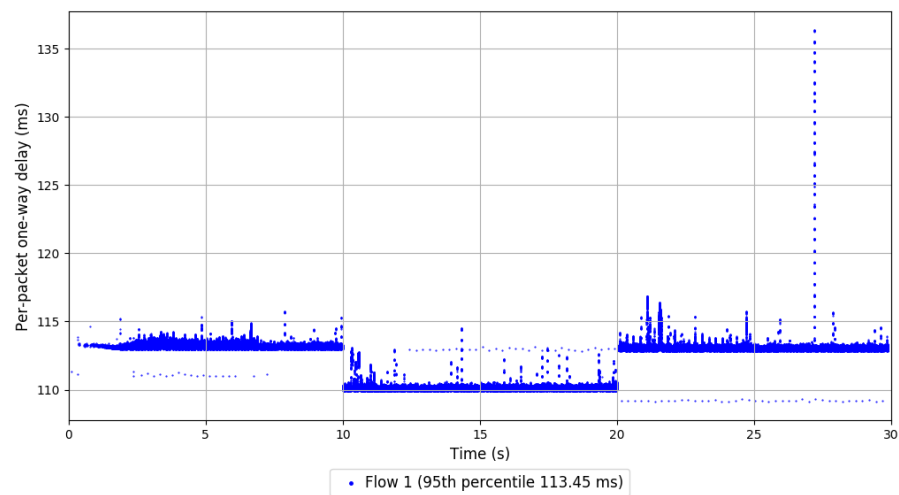
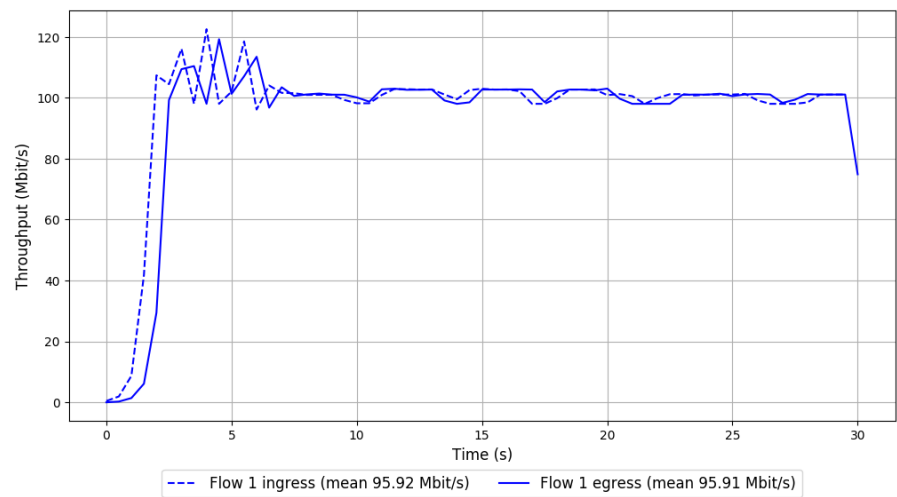
-- Flow 1:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 113.448 ms

Loss rate: 0.76%

Run 10: Report of TCP BBR — Data Link

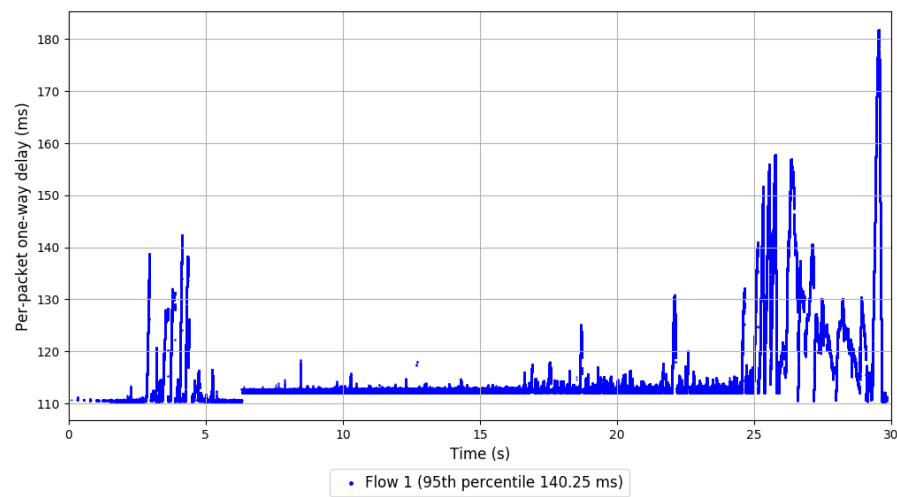
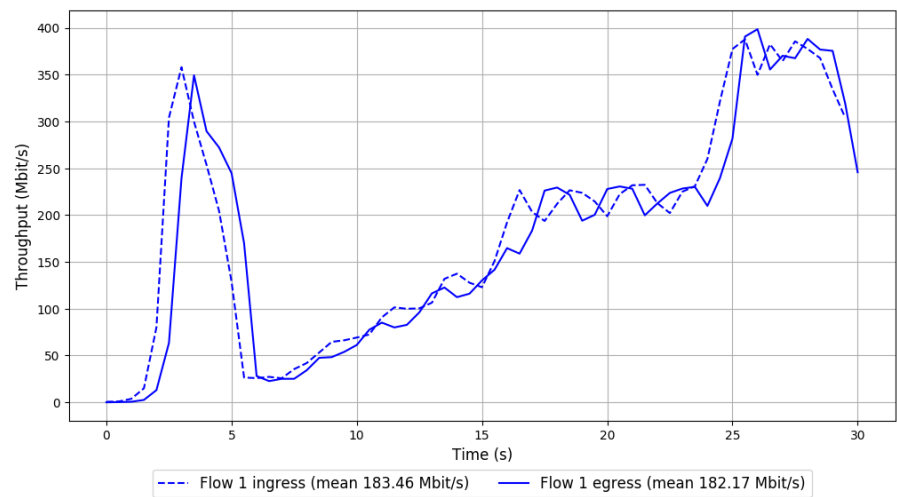


Run 1: Statistics of Copa

Start at: 2018-06-05 14:31:20
End at: 2018-06-05 14:31:50
Local clock offset: -0.362 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-06-05 18:10:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.17 Mbit/s
95th percentile per-packet one-way delay: 140.249 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 182.17 Mbit/s
95th percentile per-packet one-way delay: 140.249 ms
Loss rate: 1.44%

Run 1: Report of Copa — Data Link

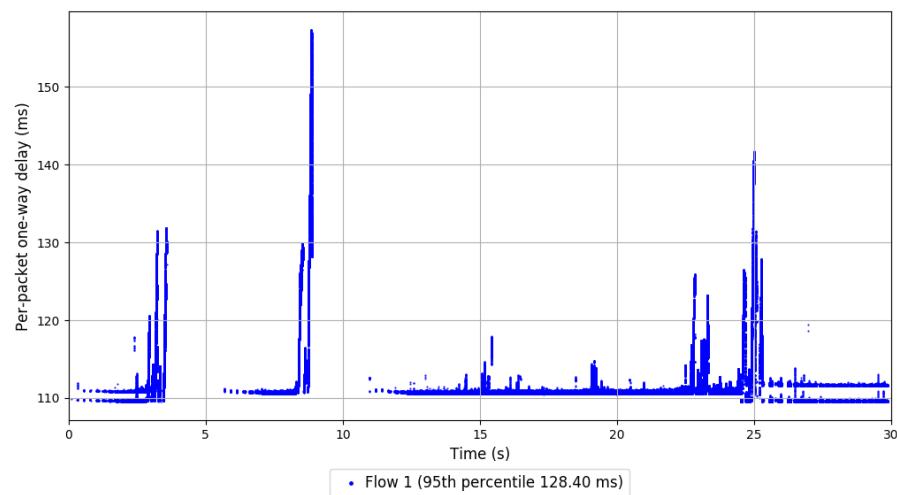
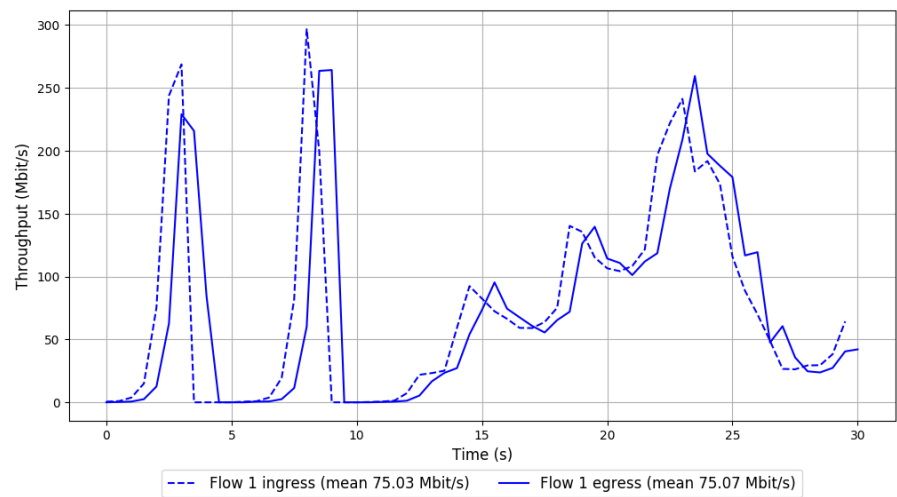


Run 2: Statistics of Copa

Start at: 2018-06-05 14:52:02
End at: 2018-06-05 14:52:32
Local clock offset: -0.258 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-06-05 18:10:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.07 Mbit/s
95th percentile per-packet one-way delay: 128.400 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 75.07 Mbit/s
95th percentile per-packet one-way delay: 128.400 ms
Loss rate: 0.69%

Run 2: Report of Copa — Data Link

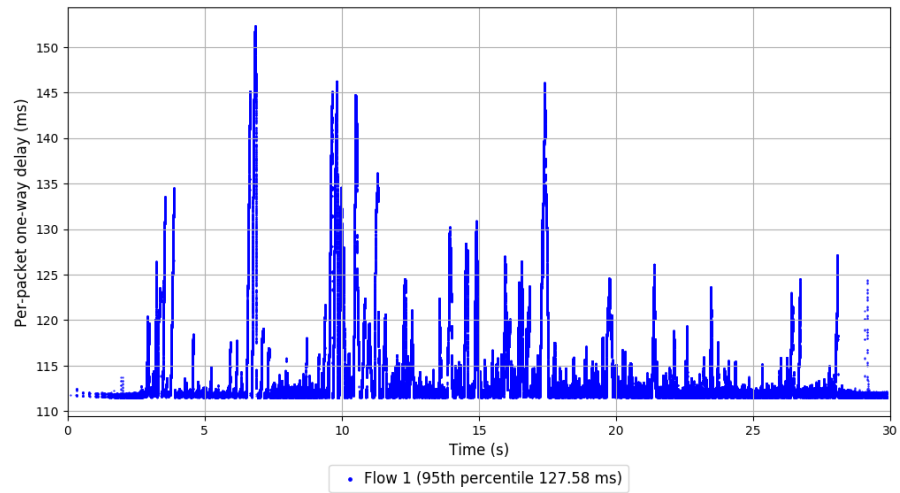
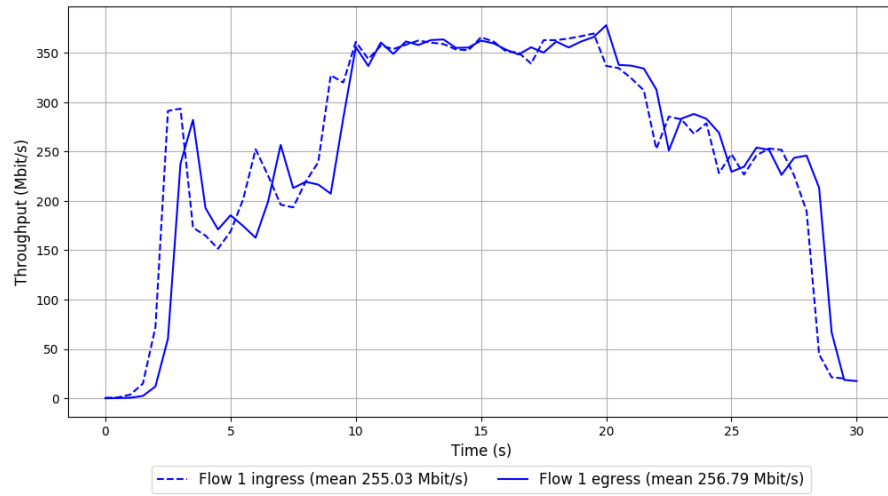


Run 3: Statistics of Copa

Start at: 2018-06-05 15:12:27
End at: 2018-06-05 15:12:57
Local clock offset: 0.057 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-05 18:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.79 Mbit/s
95th percentile per-packet one-way delay: 127.578 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 256.79 Mbit/s
95th percentile per-packet one-way delay: 127.578 ms
Loss rate: 0.06%

Run 3: Report of Copa — Data Link

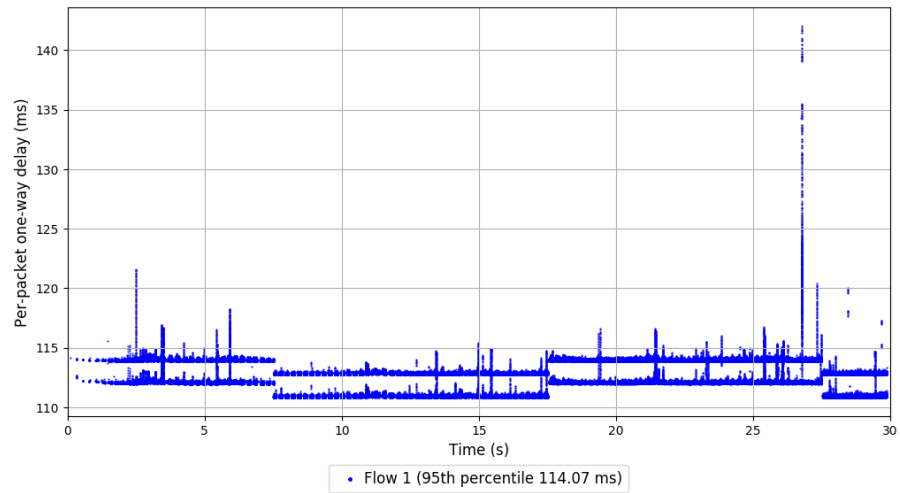
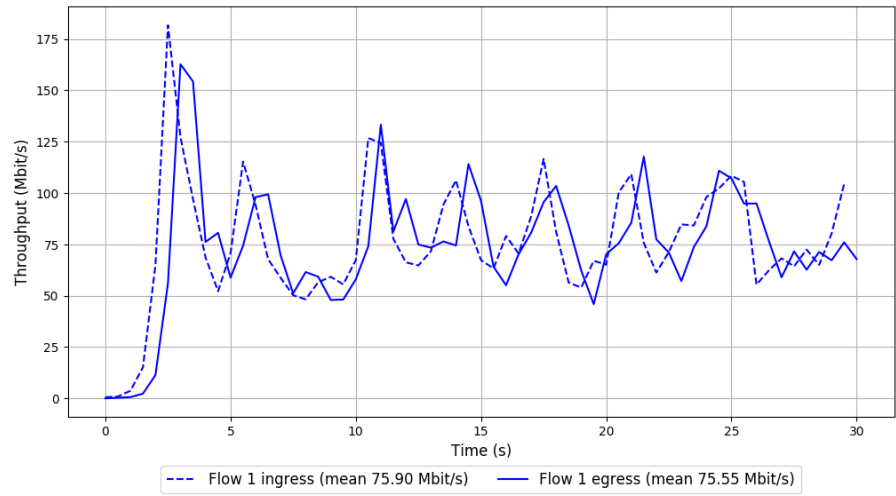


Run 4: Statistics of Copa

Start at: 2018-06-05 15:33:19
End at: 2018-06-05 15:33:49
Local clock offset: -0.028 ms
Remote clock offset: -0.396 ms

Below is generated by plot.py at 2018-06-05 18:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 114.068 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 114.068 ms
Loss rate: 1.21%

Run 4: Report of Copa — Data Link

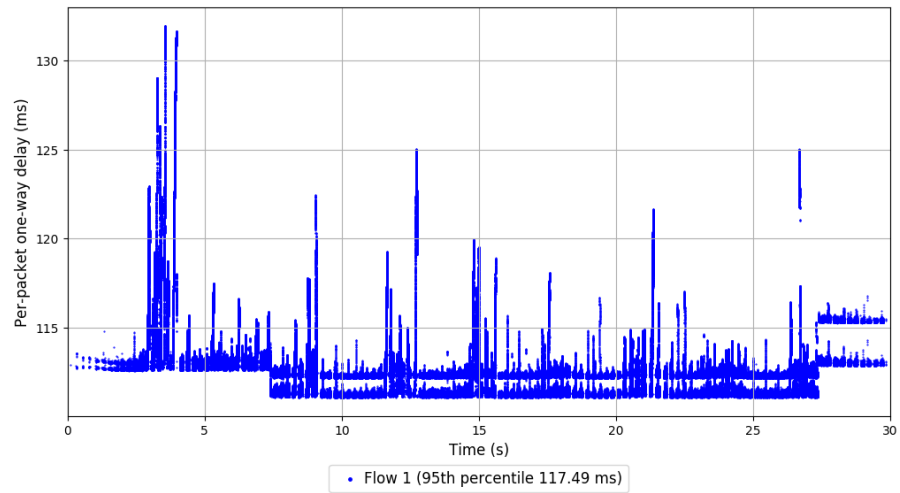
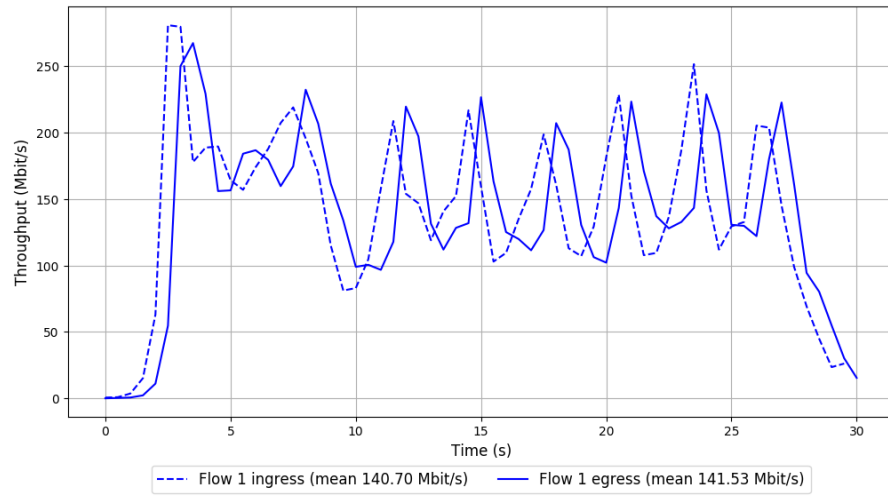


Run 5: Statistics of Copa

Start at: 2018-06-05 15:54:09
End at: 2018-06-05 15:54:39
Local clock offset: 0.17 ms
Remote clock offset: -0.375 ms

Below is generated by plot.py at 2018-06-05 18:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.53 Mbit/s
95th percentile per-packet one-way delay: 117.494 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 141.53 Mbit/s
95th percentile per-packet one-way delay: 117.494 ms
Loss rate: 0.16%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-05 16:15:00

End at: 2018-06-05 16:15:30

Local clock offset: -0.166 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.22 Mbit/s

95th percentile per-packet one-way delay: 116.403 ms

Loss rate: 0.37%

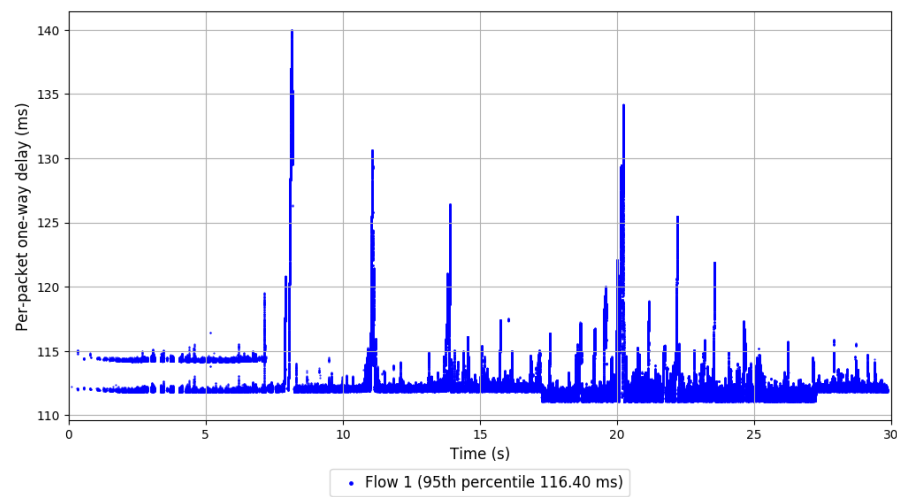
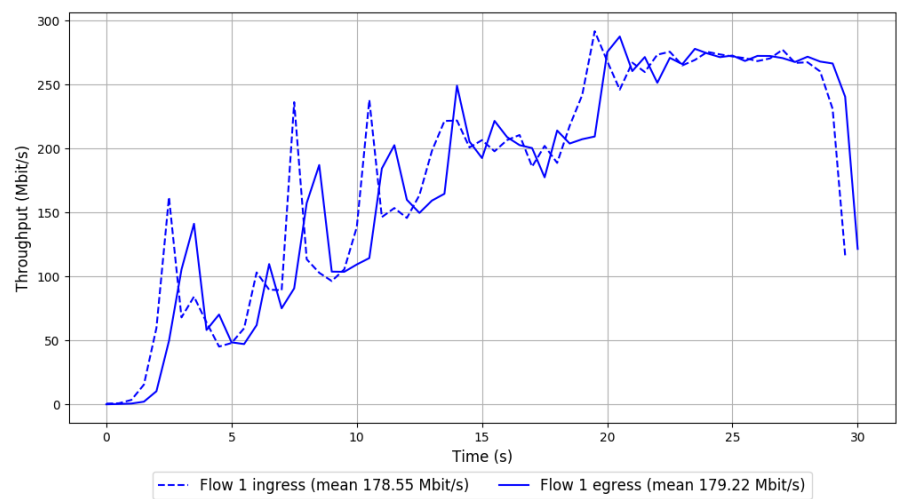
-- Flow 1:

Average throughput: 179.22 Mbit/s

95th percentile per-packet one-way delay: 116.403 ms

Loss rate: 0.37%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-05 16:35:34

End at: 2018-06-05 16:36:04

Local clock offset: -0.166 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.66 Mbit/s

95th percentile per-packet one-way delay: 115.241 ms

Loss rate: 1.46%

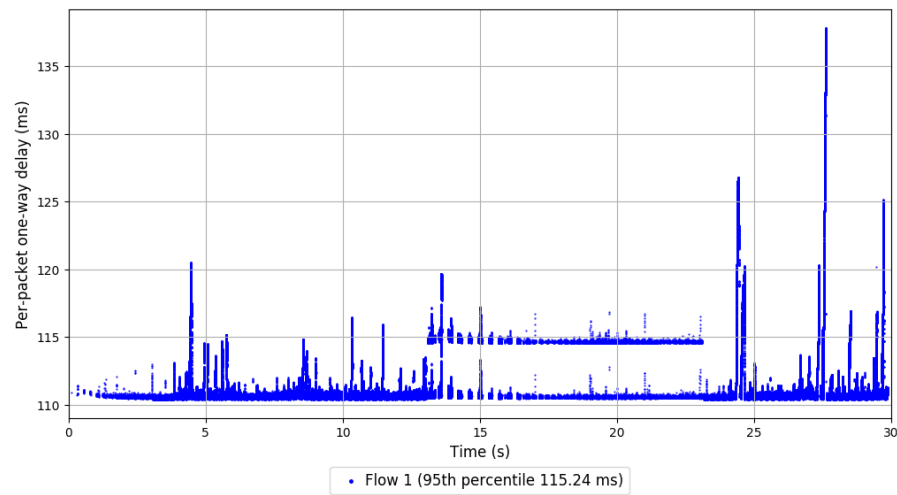
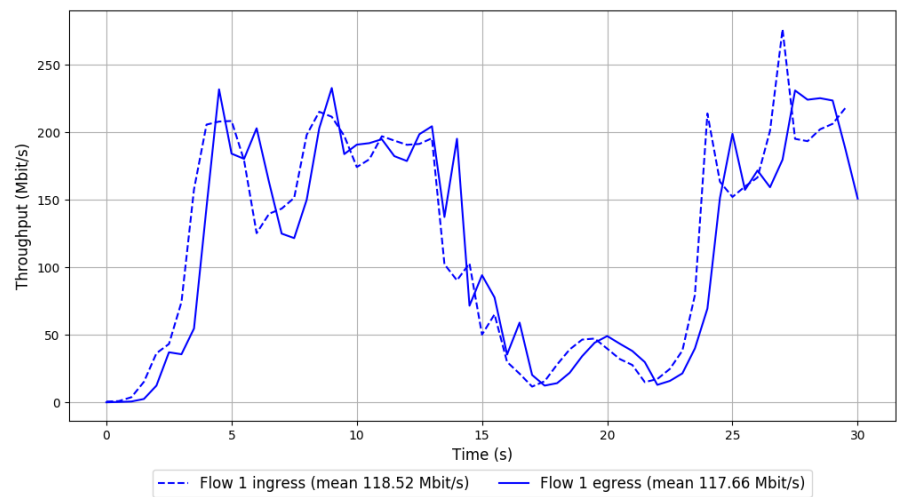
-- Flow 1:

Average throughput: 117.66 Mbit/s

95th percentile per-packet one-way delay: 115.241 ms

Loss rate: 1.46%

Run 7: Report of Copa — Data Link

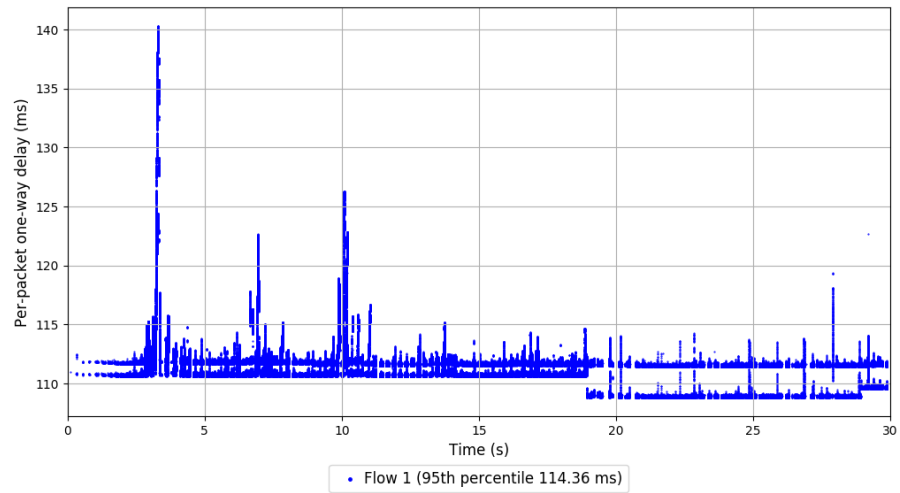
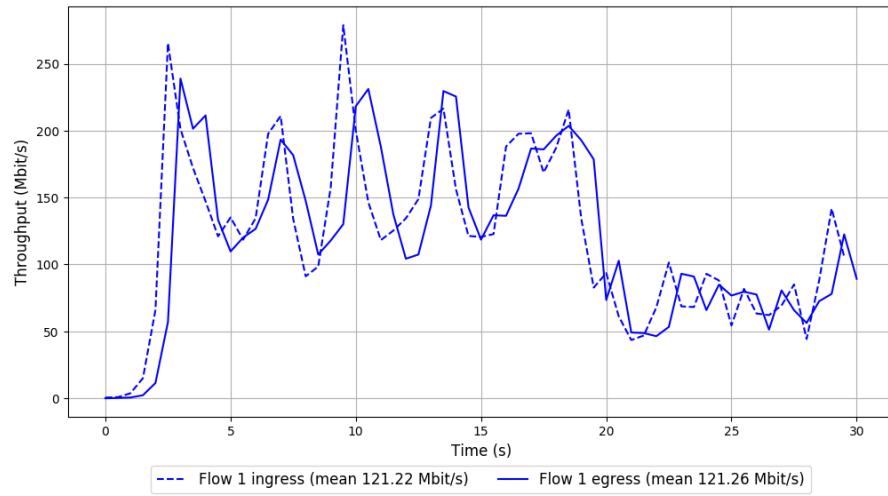


Run 8: Statistics of Copa

Start at: 2018-06-05 16:56:18
End at: 2018-06-05 16:56:48
Local clock offset: -0.029 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-05 18:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.26 Mbit/s
95th percentile per-packet one-way delay: 114.360 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 121.26 Mbit/s
95th percentile per-packet one-way delay: 114.360 ms
Loss rate: 0.72%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-05 17:17:09

End at: 2018-06-05 17:17:39

Local clock offset: 0.178 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.04 Mbit/s

95th percentile per-packet one-way delay: 116.878 ms

Loss rate: 0.69%

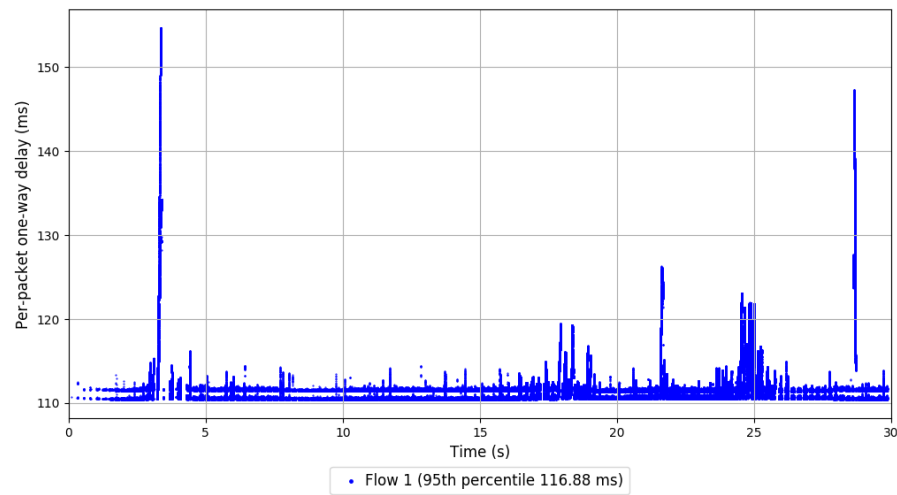
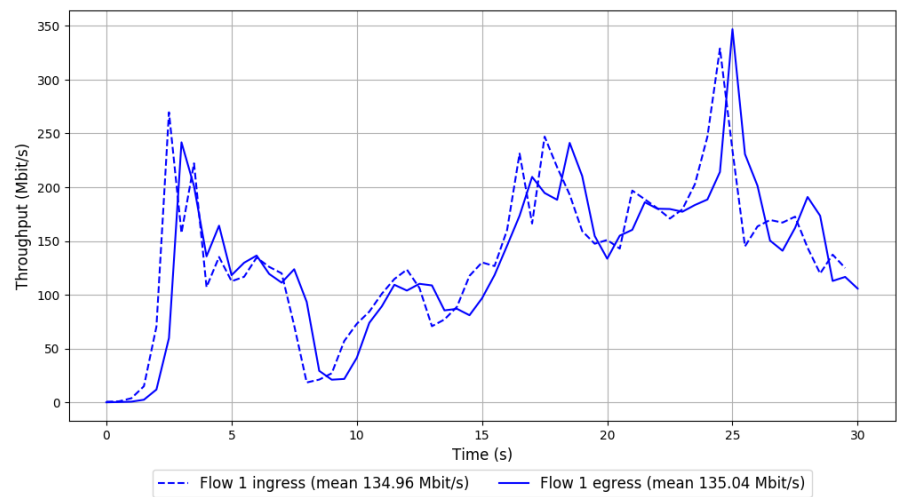
-- Flow 1:

Average throughput: 135.04 Mbit/s

95th percentile per-packet one-way delay: 116.878 ms

Loss rate: 0.69%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-05 17:37:52

End at: 2018-06-05 17:38:22

Local clock offset: 0.077 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.21 Mbit/s

95th percentile per-packet one-way delay: 113.976 ms

Loss rate: 1.14%

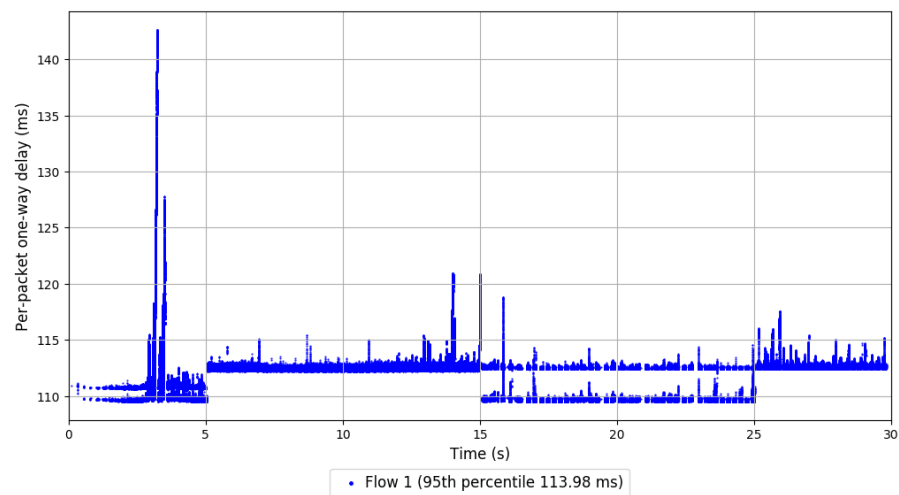
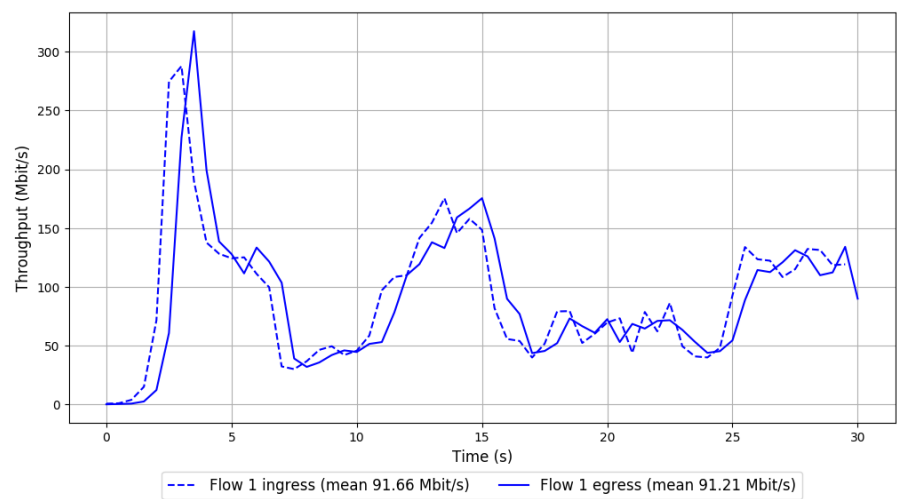
-- Flow 1:

Average throughput: 91.21 Mbit/s

95th percentile per-packet one-way delay: 113.976 ms

Loss rate: 1.14%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 14:32:46

End at: 2018-06-05 14:33:16

Local clock offset: -0.509 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.35 Mbit/s

95th percentile per-packet one-way delay: 118.520 ms

Loss rate: 0.79%

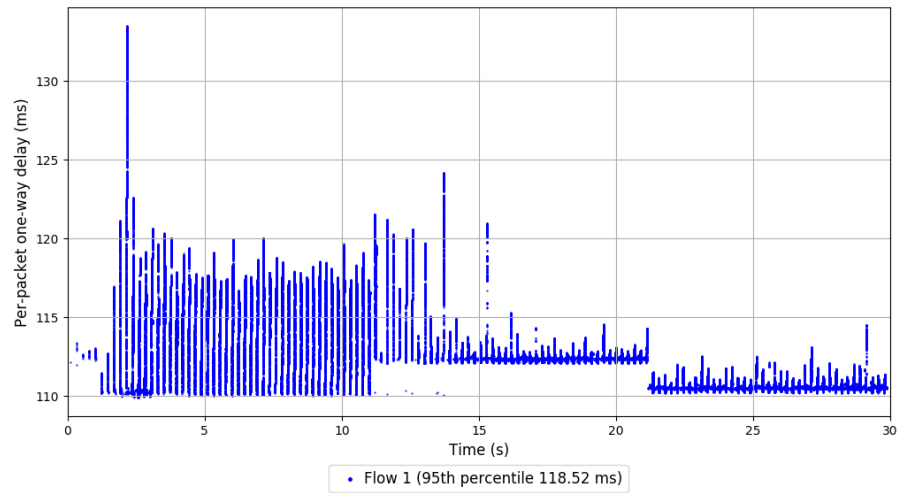
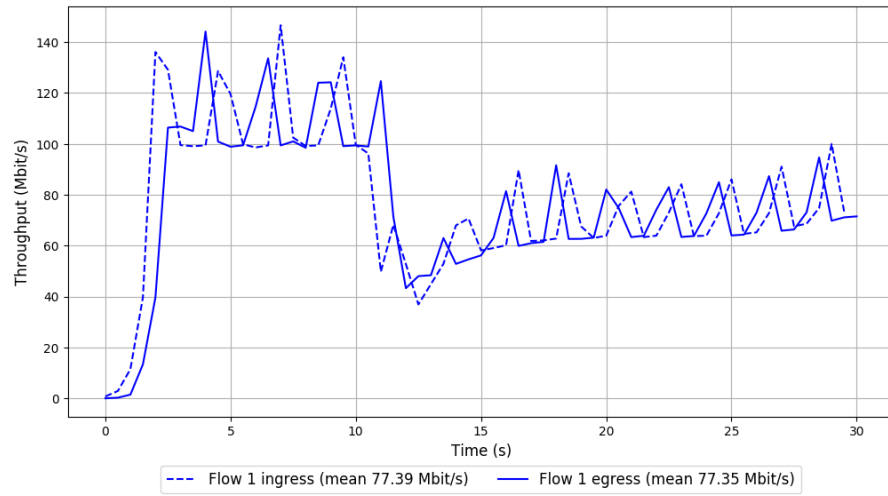
-- Flow 1:

Average throughput: 77.35 Mbit/s

95th percentile per-packet one-way delay: 118.520 ms

Loss rate: 0.79%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 14:53:17

End at: 2018-06-05 14:53:47

Local clock offset: -0.121 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.09 Mbit/s

95th percentile per-packet one-way delay: 119.583 ms

Loss rate: 1.08%

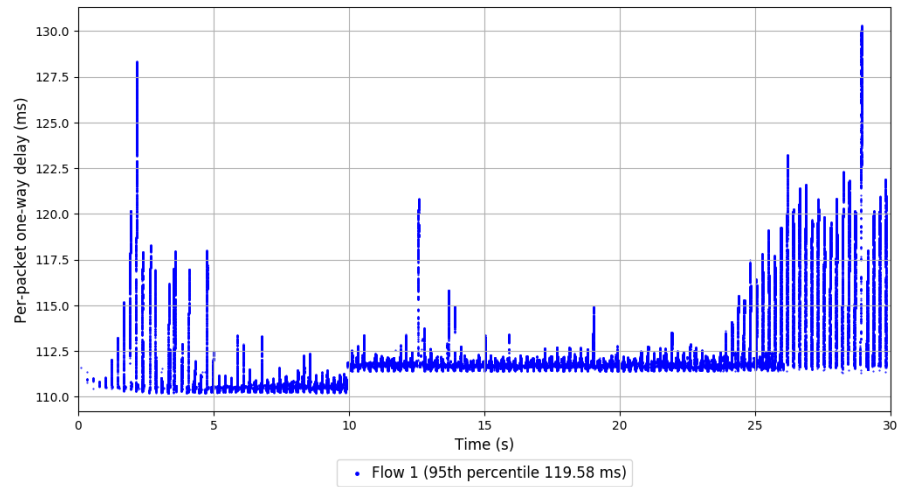
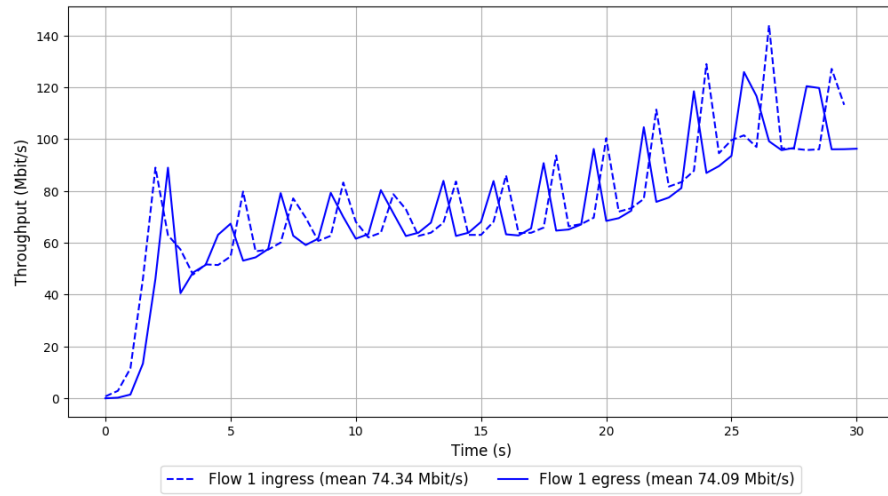
-- Flow 1:

Average throughput: 74.09 Mbit/s

95th percentile per-packet one-way delay: 119.583 ms

Loss rate: 1.08%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 15:13:59

End at: 2018-06-05 15:14:29

Local clock offset: -0.384 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.39 Mbit/s

95th percentile per-packet one-way delay: 117.293 ms

Loss rate: 0.56%

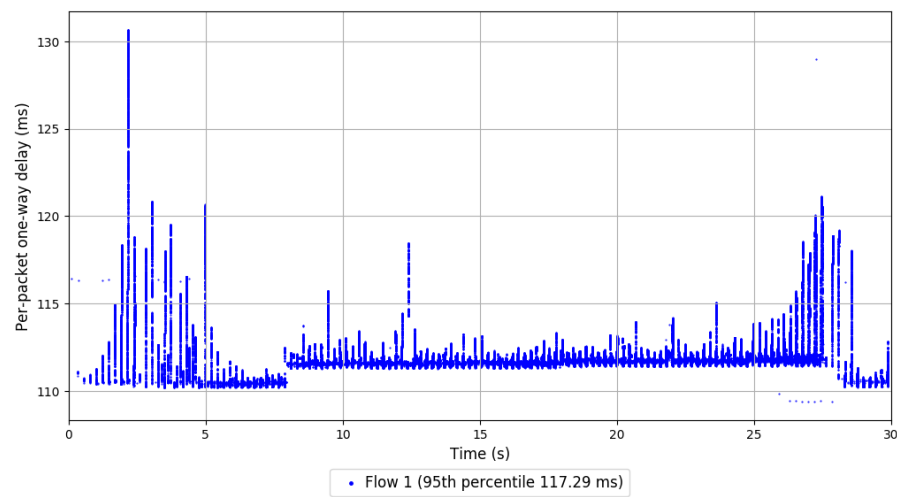
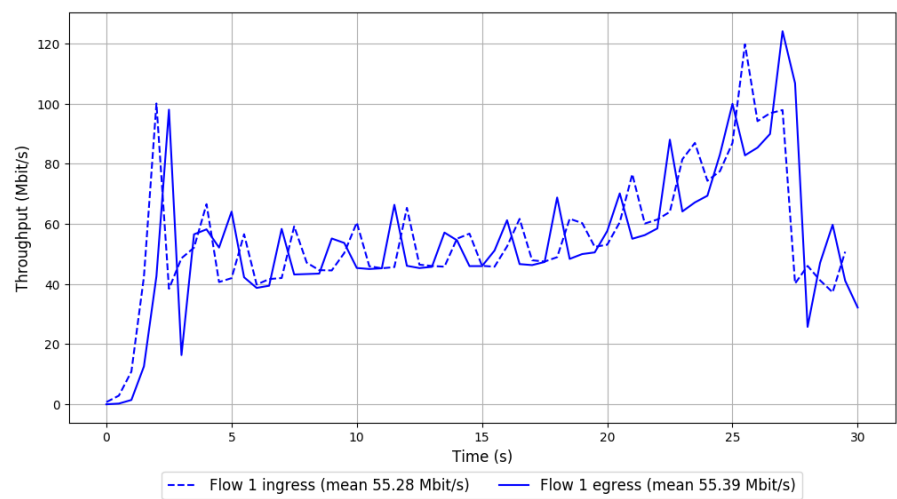
-- Flow 1:

Average throughput: 55.39 Mbit/s

95th percentile per-packet one-way delay: 117.293 ms

Loss rate: 0.56%

Run 3: Report of TCP Cubic — Data Link

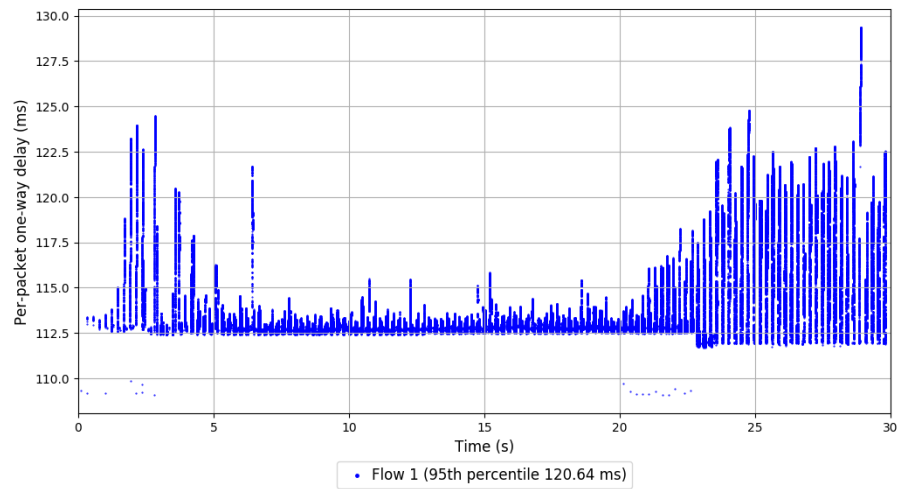
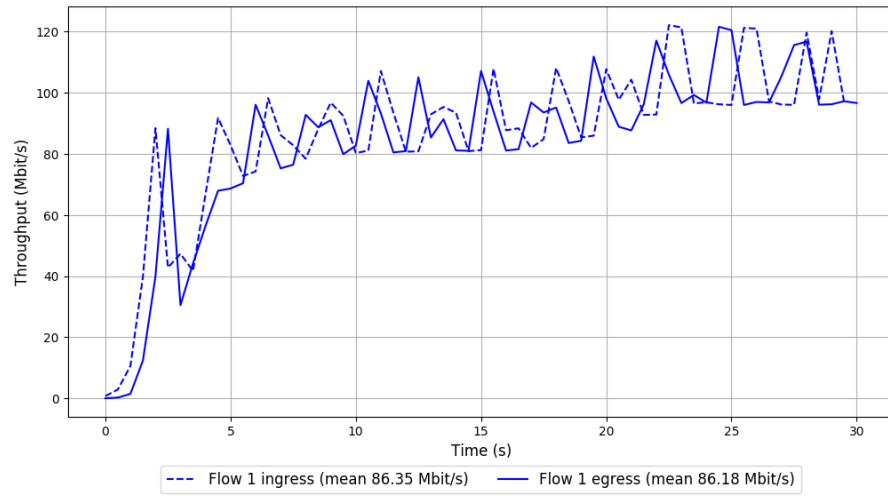


Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 15:34:34
End at: 2018-06-05 15:35:04
Local clock offset: -0.265 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-06-05 18:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 120.645 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 120.645 ms
Loss rate: 0.94%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 15:55:30

End at: 2018-06-05 15:56:00

Local clock offset: -0.169 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.58 Mbit/s

95th percentile per-packet one-way delay: 121.336 ms

Loss rate: 1.08%

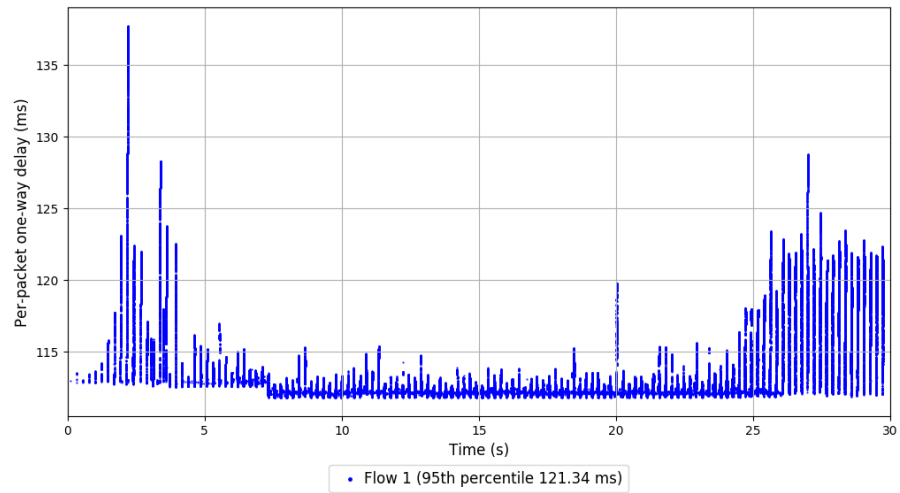
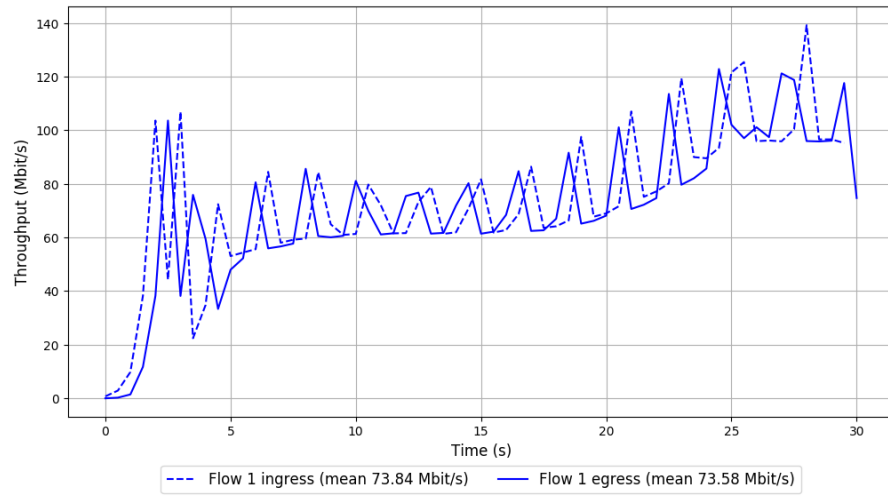
-- Flow 1:

Average throughput: 73.58 Mbit/s

95th percentile per-packet one-way delay: 121.336 ms

Loss rate: 1.08%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 16:16:24

End at: 2018-06-05 16:16:54

Local clock offset: 0.124 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.05 Mbit/s

95th percentile per-packet one-way delay: 122.339 ms

Loss rate: 0.81%

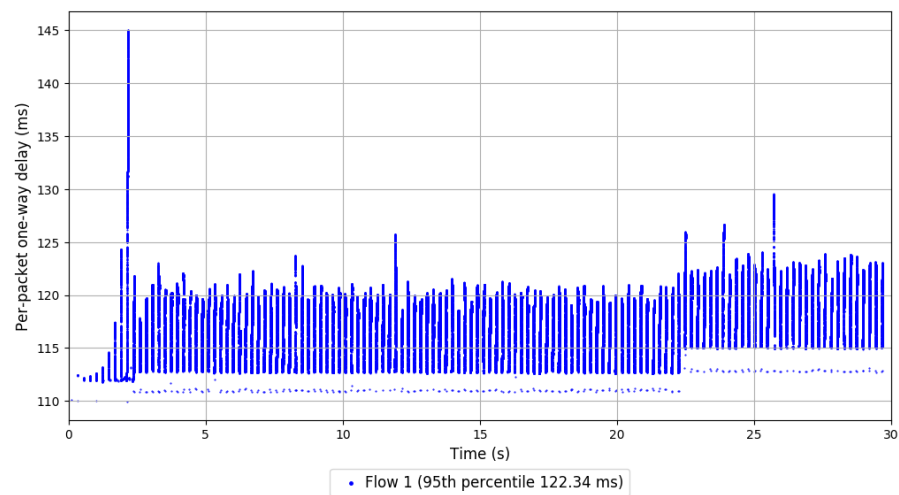
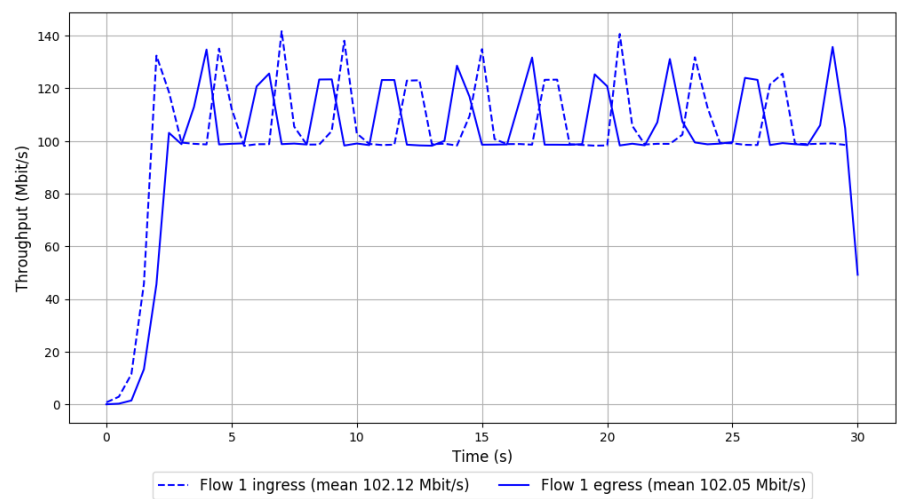
-- Flow 1:

Average throughput: 102.05 Mbit/s

95th percentile per-packet one-way delay: 122.339 ms

Loss rate: 0.81%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 16:36:53

End at: 2018-06-05 16:37:23

Local clock offset: -0.21 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.47 Mbit/s

95th percentile per-packet one-way delay: 118.292 ms

Loss rate: 1.14%

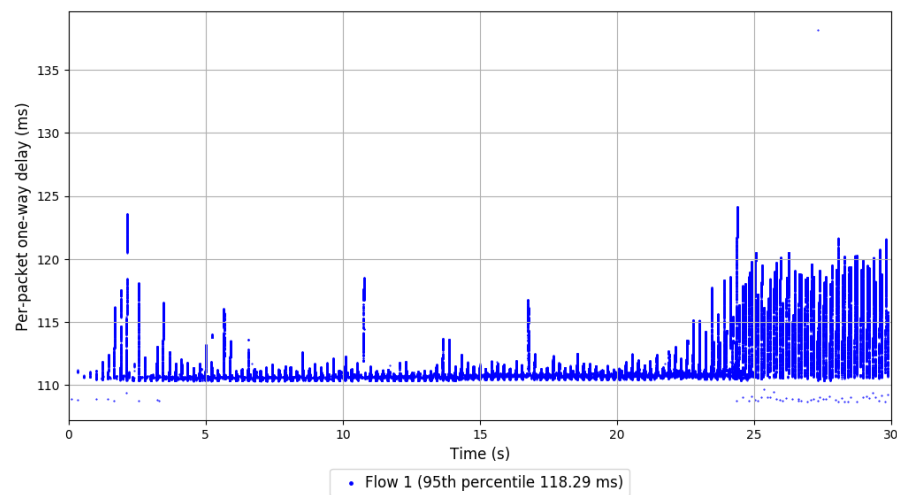
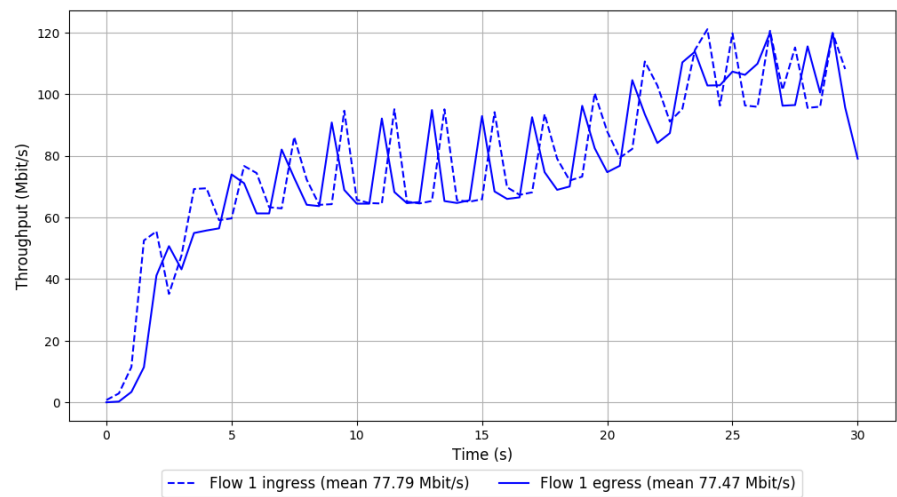
-- Flow 1:

Average throughput: 77.47 Mbit/s

95th percentile per-packet one-way delay: 118.292 ms

Loss rate: 1.14%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 16:57:36

End at: 2018-06-05 16:58:06

Local clock offset: -0.252 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.17 Mbit/s

95th percentile per-packet one-way delay: 119.121 ms

Loss rate: 0.73%

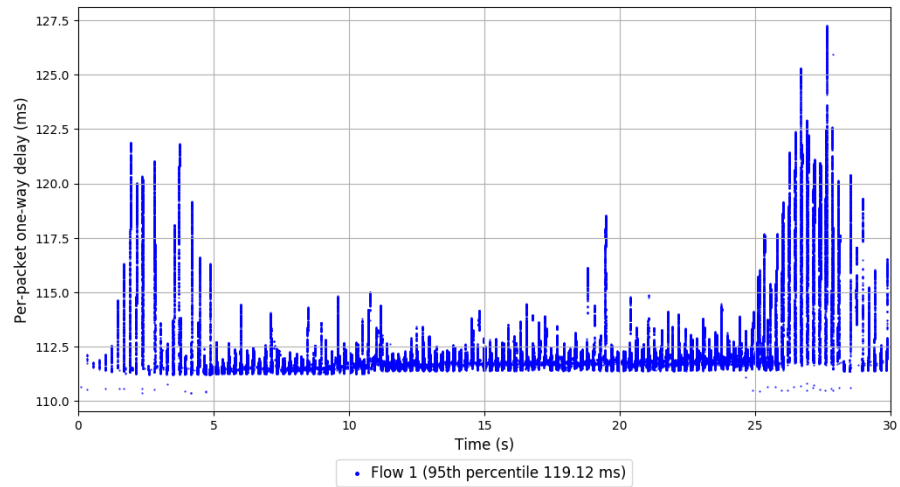
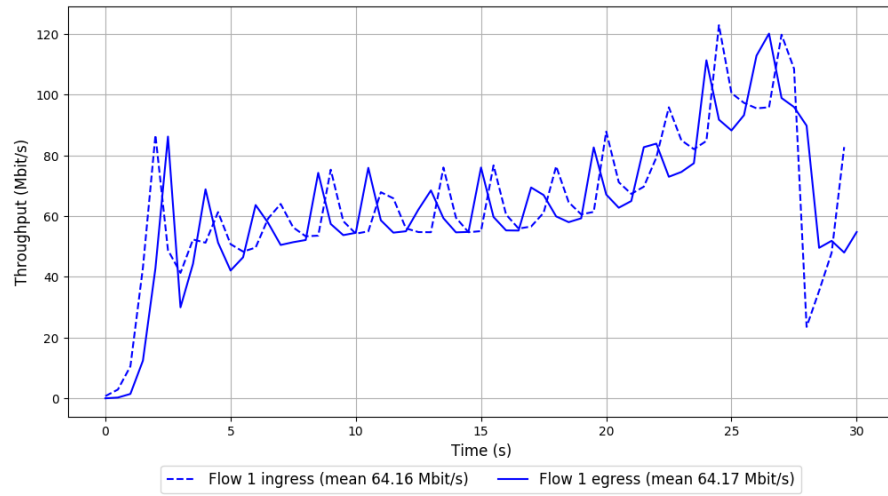
-- Flow 1:

Average throughput: 64.17 Mbit/s

95th percentile per-packet one-way delay: 119.121 ms

Loss rate: 0.73%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 17:18:29

End at: 2018-06-05 17:18:59

Local clock offset: -0.175 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.51 Mbit/s

95th percentile per-packet one-way delay: 120.087 ms

Loss rate: 0.87%

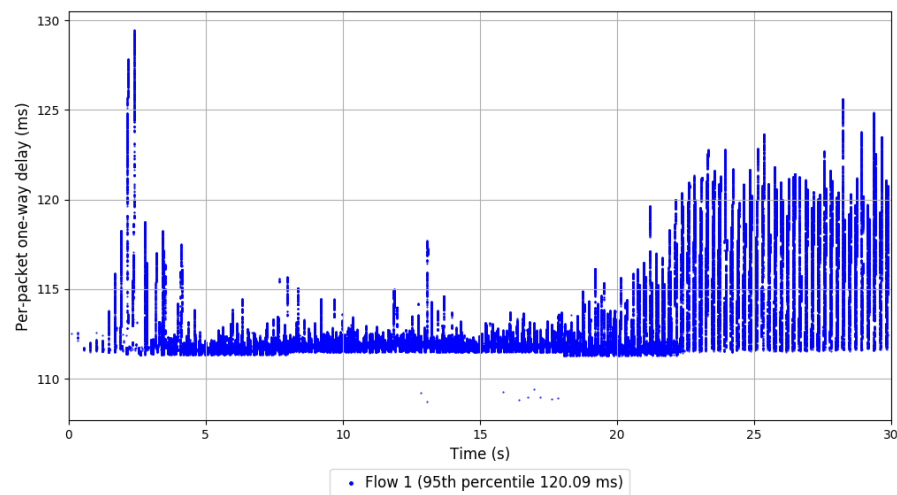
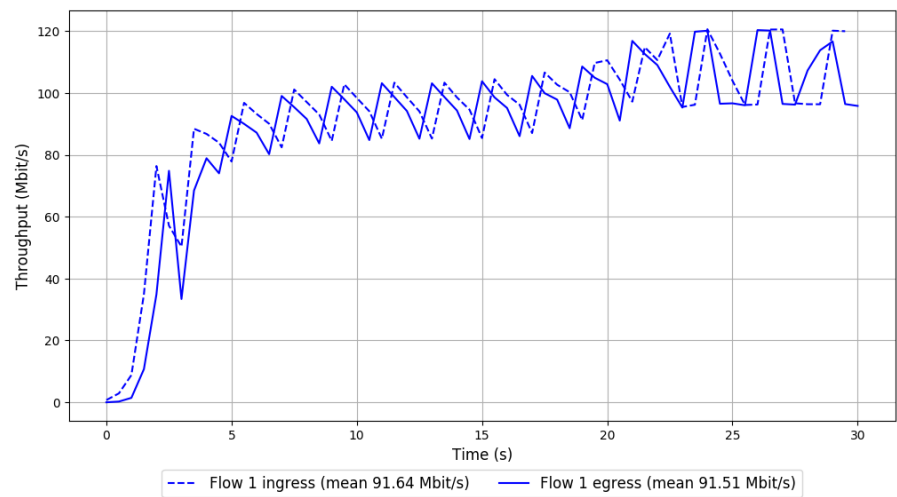
-- Flow 1:

Average throughput: 91.51 Mbit/s

95th percentile per-packet one-way delay: 120.087 ms

Loss rate: 0.87%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 17:39:08

End at: 2018-06-05 17:39:38

Local clock offset: -0.128 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-05 18:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.75 Mbit/s

95th percentile per-packet one-way delay: 121.111 ms

Loss rate: 1.32%

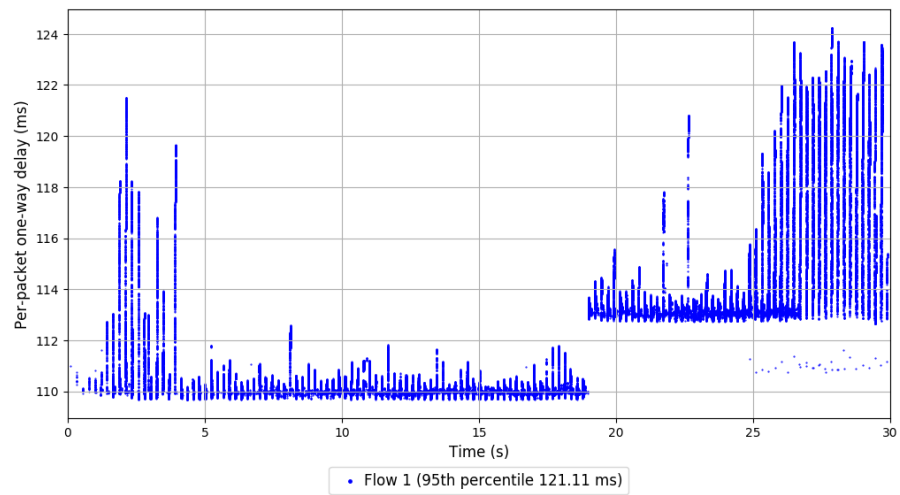
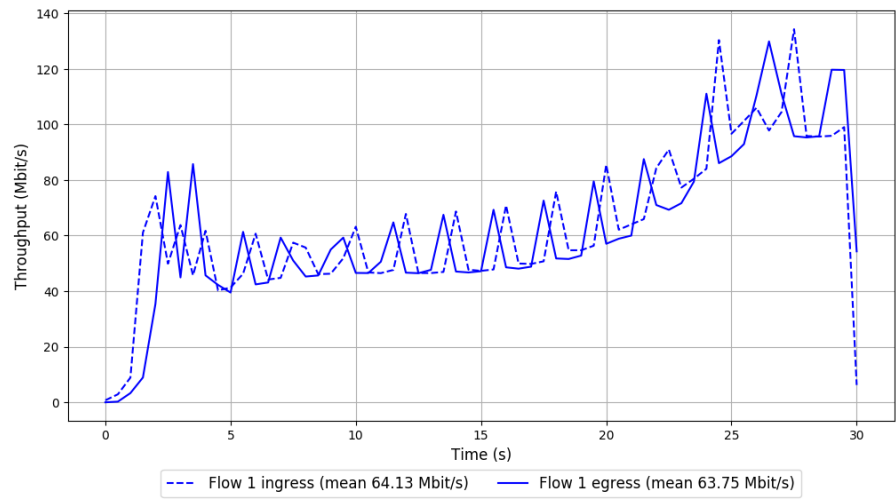
-- Flow 1:

Average throughput: 63.75 Mbit/s

95th percentile per-packet one-way delay: 121.111 ms

Loss rate: 1.32%

Run 10: Report of TCP Cubic — Data Link

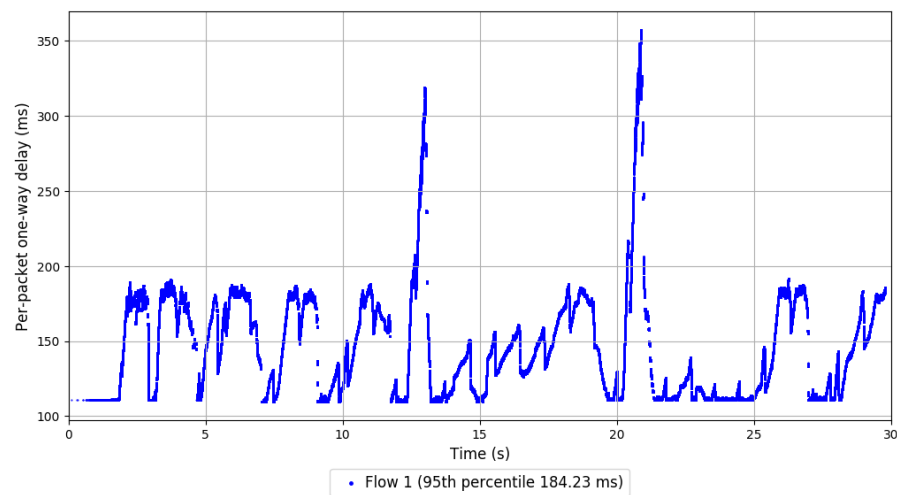
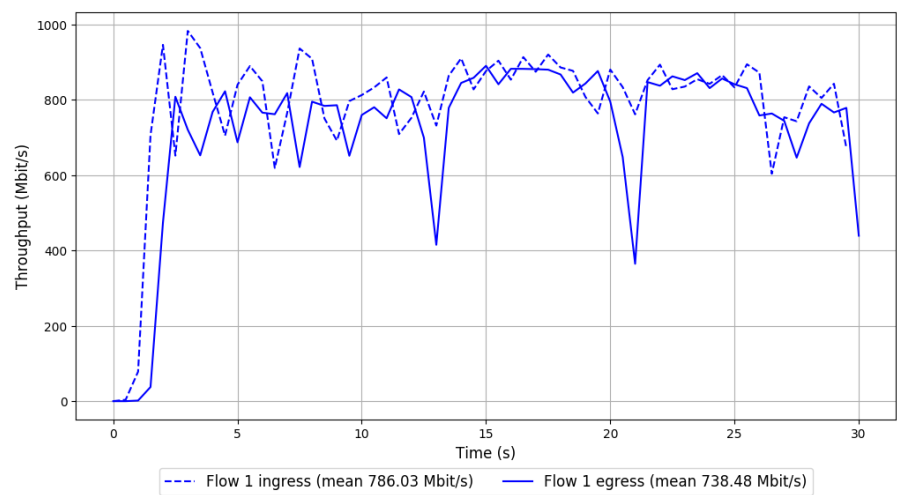


Run 1: Statistics of FillP

Start at: 2018-06-05 14:40:40
End at: 2018-06-05 14:41:10
Local clock offset: -0.235 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-05 18:28:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 738.48 Mbit/s
95th percentile per-packet one-way delay: 184.228 ms
Loss rate: 6.75%
-- Flow 1:
Average throughput: 738.48 Mbit/s
95th percentile per-packet one-way delay: 184.228 ms
Loss rate: 6.75%

Run 1: Report of FillP — Data Link

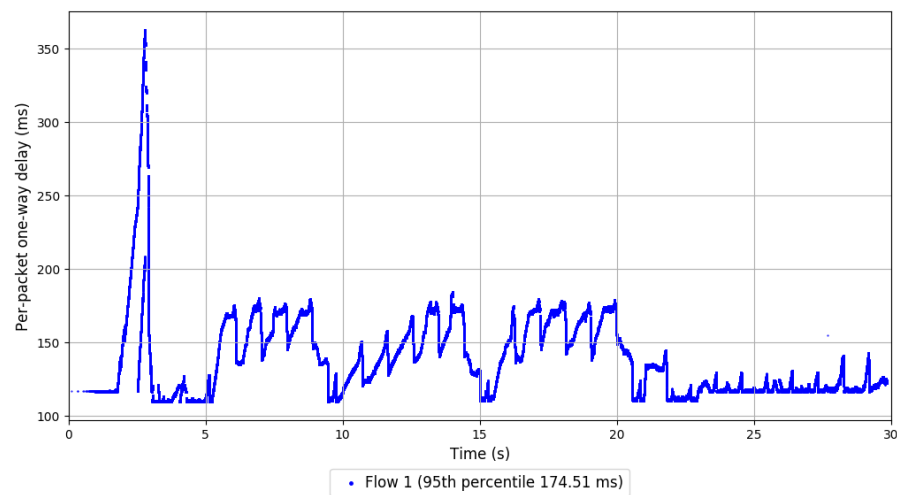
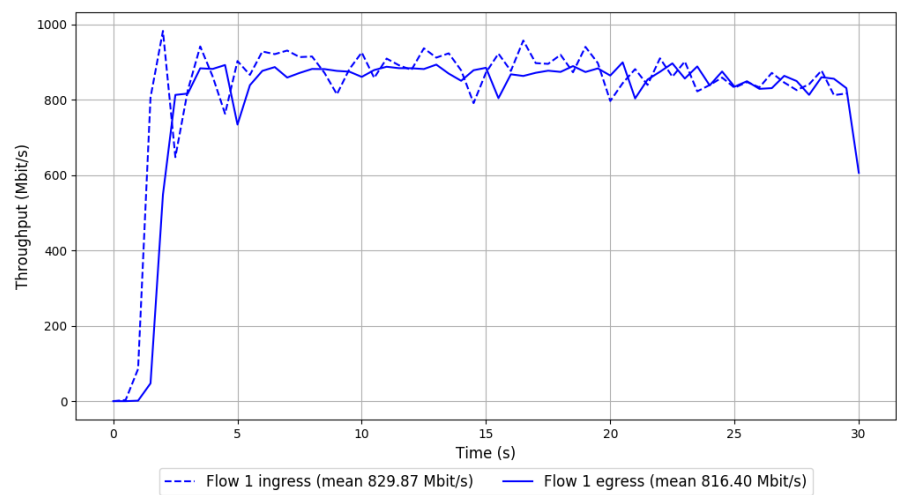


Run 2: Statistics of FillP

Start at: 2018-06-05 15:01:24
End at: 2018-06-05 15:01:54
Local clock offset: -0.088 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-06-05 18:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 816.40 Mbit/s
95th percentile per-packet one-way delay: 174.513 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 816.40 Mbit/s
95th percentile per-packet one-way delay: 174.513 ms
Loss rate: 2.37%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-05 15:22:01

End at: 2018-06-05 15:22:31

Local clock offset: 0.134 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2018-06-05 18:28:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 784.78 Mbit/s

95th percentile per-packet one-way delay: 275.911 ms

Loss rate: 2.73%

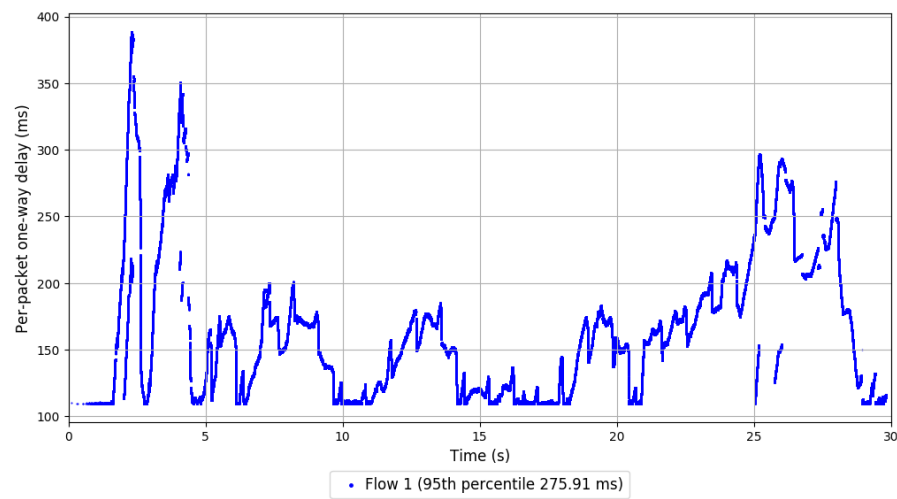
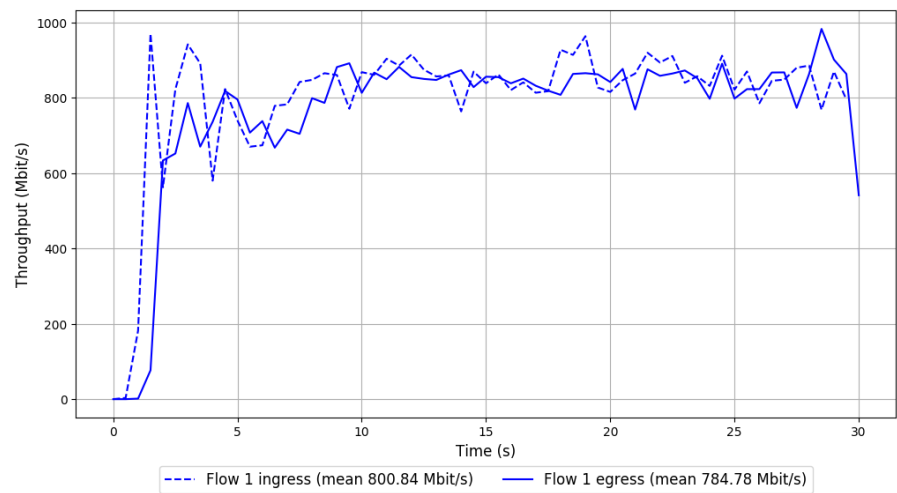
-- Flow 1:

Average throughput: 784.78 Mbit/s

95th percentile per-packet one-way delay: 275.911 ms

Loss rate: 2.73%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-05 15:42:31

End at: 2018-06-05 15:43:01

Local clock offset: -0.218 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2018-06-05 18:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 879.80 Mbit/s

95th percentile per-packet one-way delay: 231.312 ms

Loss rate: 0.97%

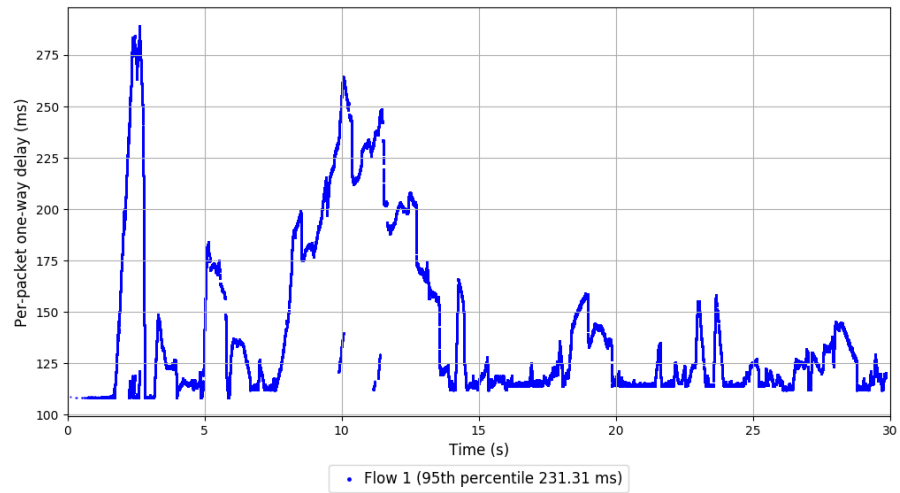
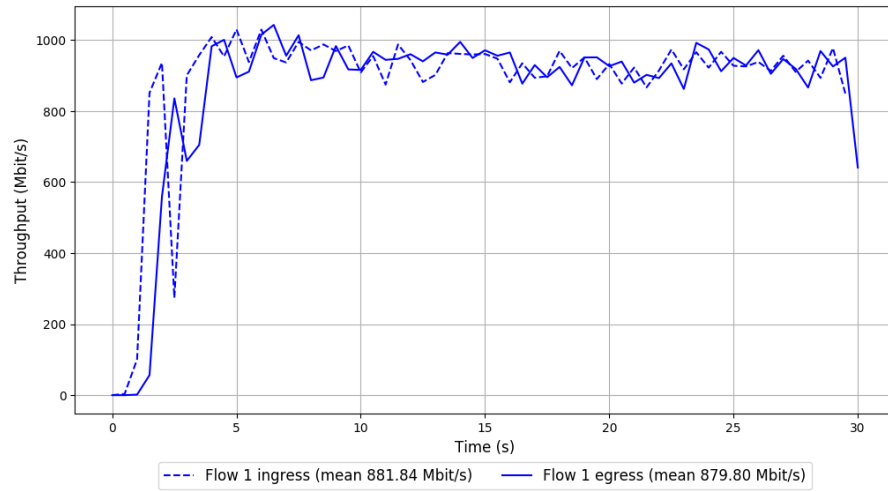
-- Flow 1:

Average throughput: 879.80 Mbit/s

95th percentile per-packet one-way delay: 231.312 ms

Loss rate: 0.97%

Run 4: Report of FillP — Data Link

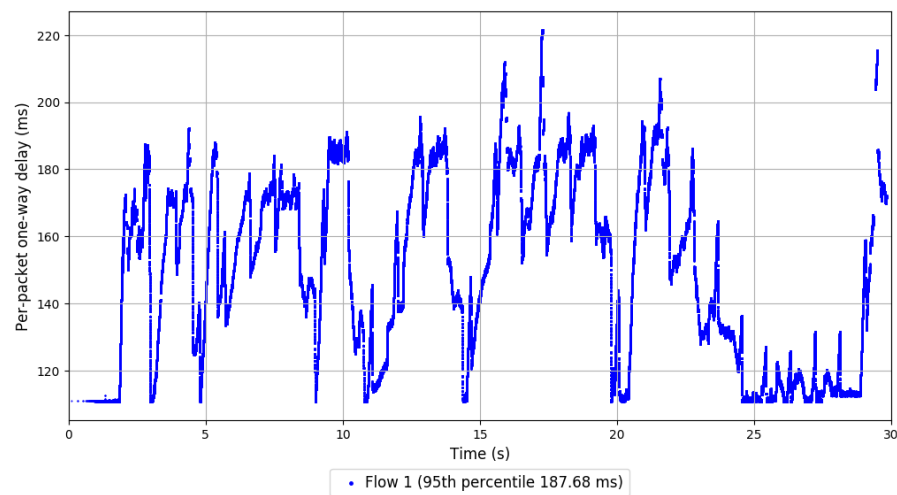
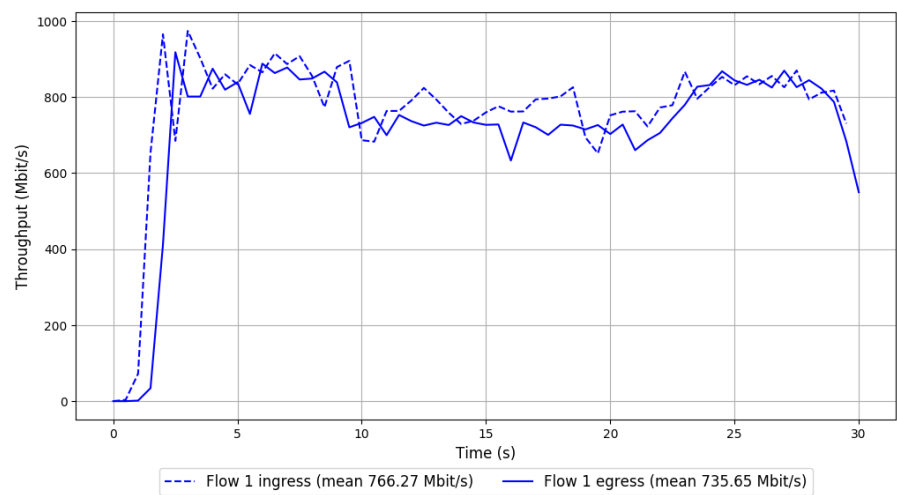


Run 5: Statistics of FillP

Start at: 2018-06-05 16:03:39
End at: 2018-06-05 16:04:09
Local clock offset: -0.12 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-05 18:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 735.65 Mbit/s
95th percentile per-packet one-way delay: 187.677 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 735.65 Mbit/s
95th percentile per-packet one-way delay: 187.677 ms
Loss rate: 4.71%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-05 16:24:28

End at: 2018-06-05 16:24:58

Local clock offset: -0.163 ms

Remote clock offset: 0.359 ms

Below is generated by plot.py at 2018-06-05 18:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 824.19 Mbit/s

95th percentile per-packet one-way delay: 301.585 ms

Loss rate: 2.57%

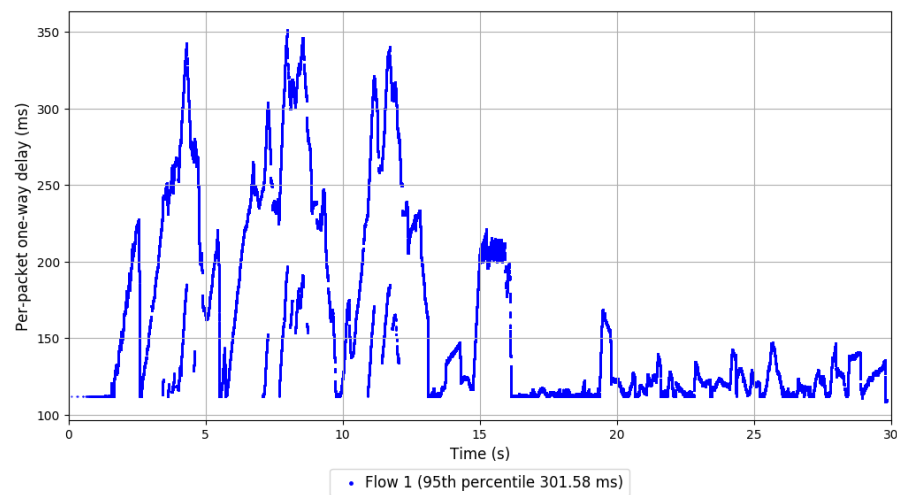
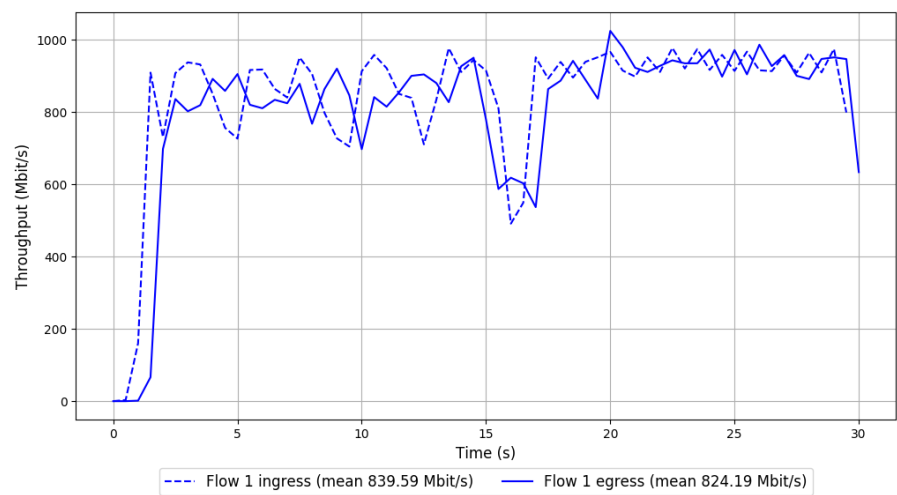
-- Flow 1:

Average throughput: 824.19 Mbit/s

95th percentile per-packet one-way delay: 301.585 ms

Loss rate: 2.57%

Run 6: Report of FillP — Data Link

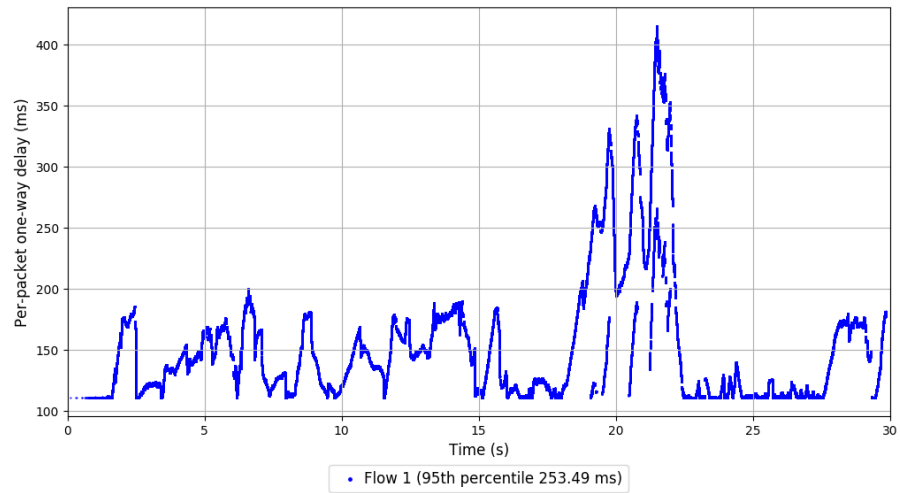
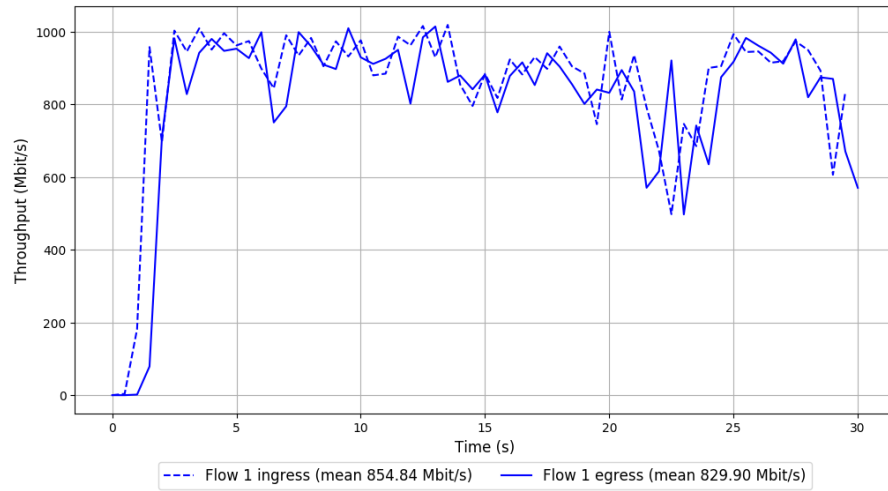


Run 7: Statistics of FillP

Start at: 2018-06-05 16:44:55
End at: 2018-06-05 16:45:25
Local clock offset: -0.111 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-05 18:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 829.90 Mbit/s
95th percentile per-packet one-way delay: 253.491 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 829.90 Mbit/s
95th percentile per-packet one-way delay: 253.491 ms
Loss rate: 3.63%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-05 17:05:41

End at: 2018-06-05 17:06:11

Local clock offset: -0.2 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-06-05 18:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 791.95 Mbit/s

95th percentile per-packet one-way delay: 181.206 ms

Loss rate: 4.59%

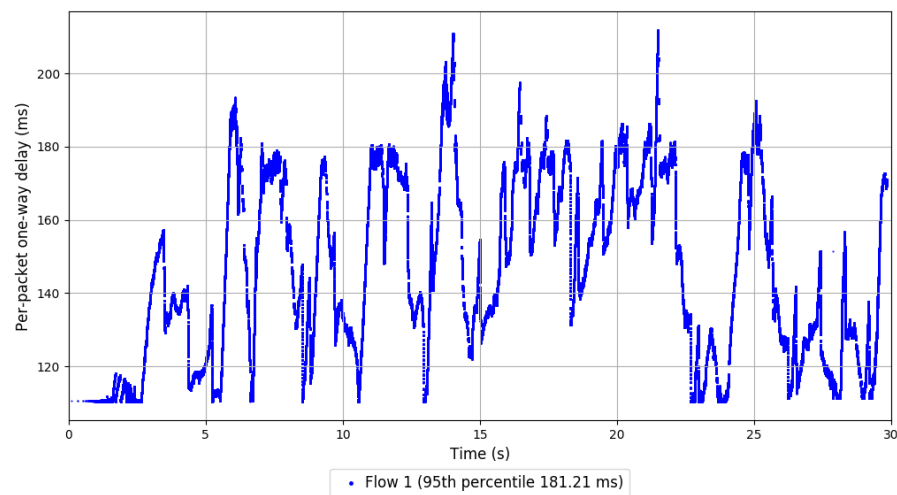
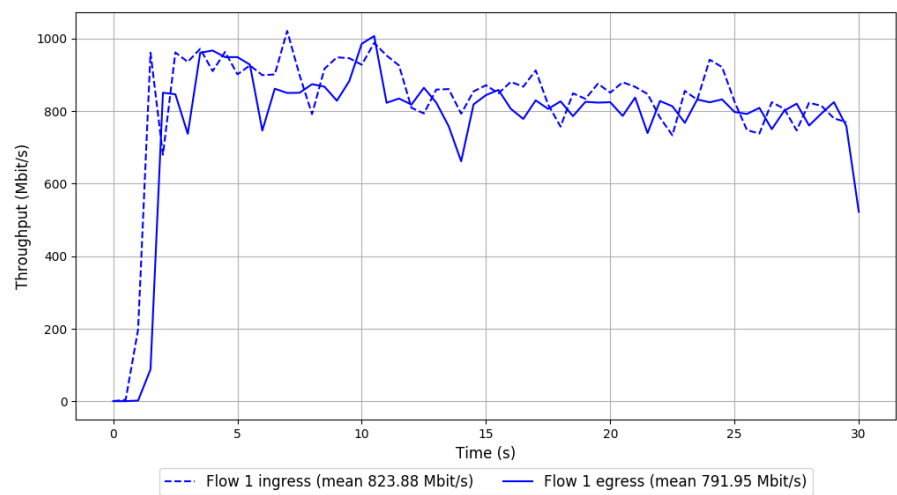
-- Flow 1:

Average throughput: 791.95 Mbit/s

95th percentile per-packet one-way delay: 181.206 ms

Loss rate: 4.59%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-05 17:26:28

End at: 2018-06-05 17:26:58

Local clock offset: 0.105 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-06-05 18:43:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 783.39 Mbit/s

95th percentile per-packet one-way delay: 257.907 ms

Loss rate: 3.60%

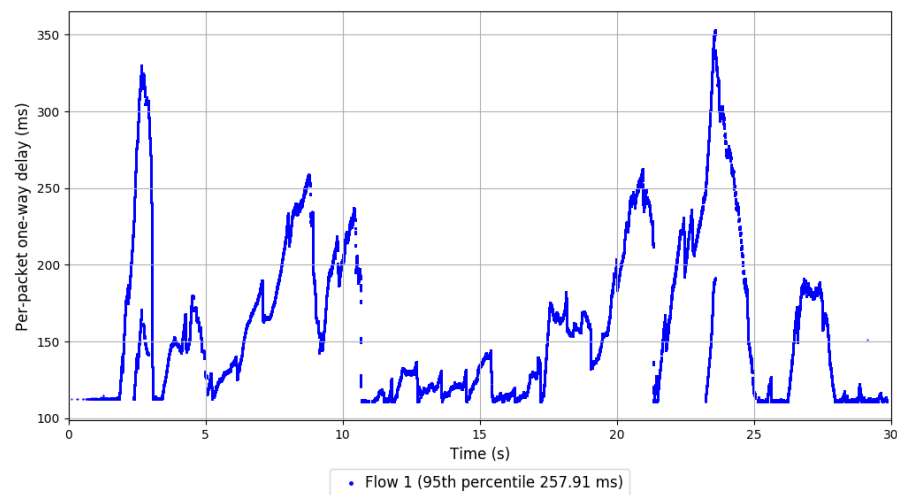
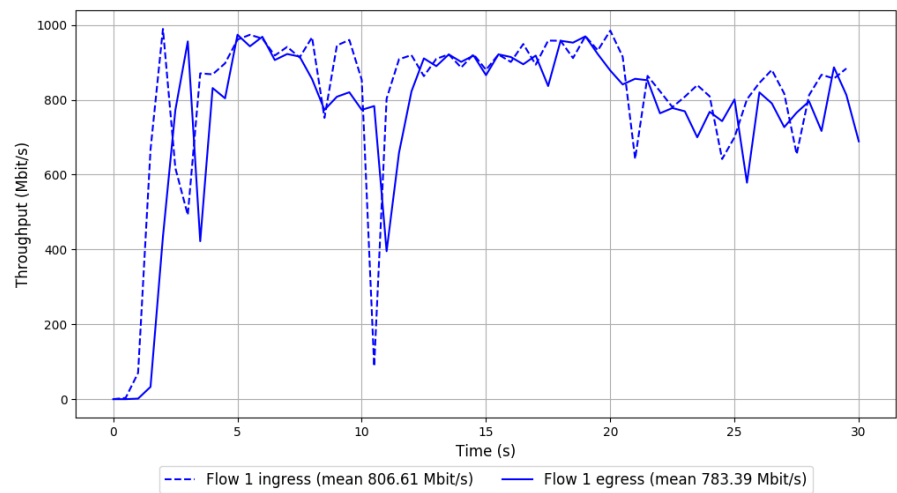
-- Flow 1:

Average throughput: 783.39 Mbit/s

95th percentile per-packet one-way delay: 257.907 ms

Loss rate: 3.60%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-05 17:47:11

End at: 2018-06-05 17:47:42

Local clock offset: -0.357 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 863.35 Mbit/s

95th percentile per-packet one-way delay: 173.635 ms

Loss rate: 2.00%

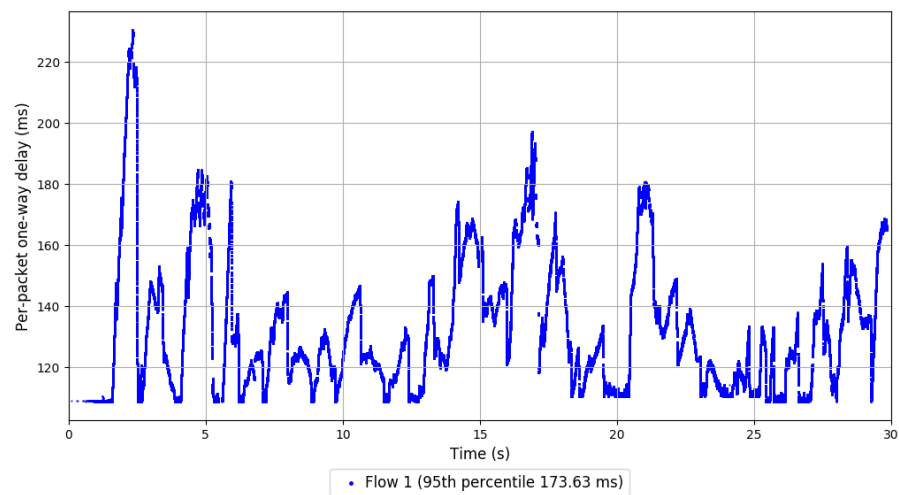
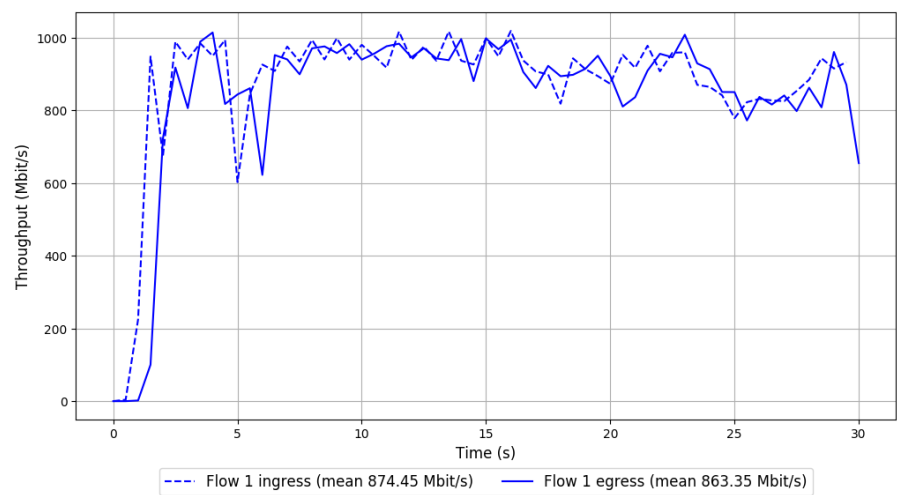
-- Flow 1:

Average throughput: 863.35 Mbit/s

95th percentile per-packet one-way delay: 173.635 ms

Loss rate: 2.00%

Run 10: Report of FillP — Data Link

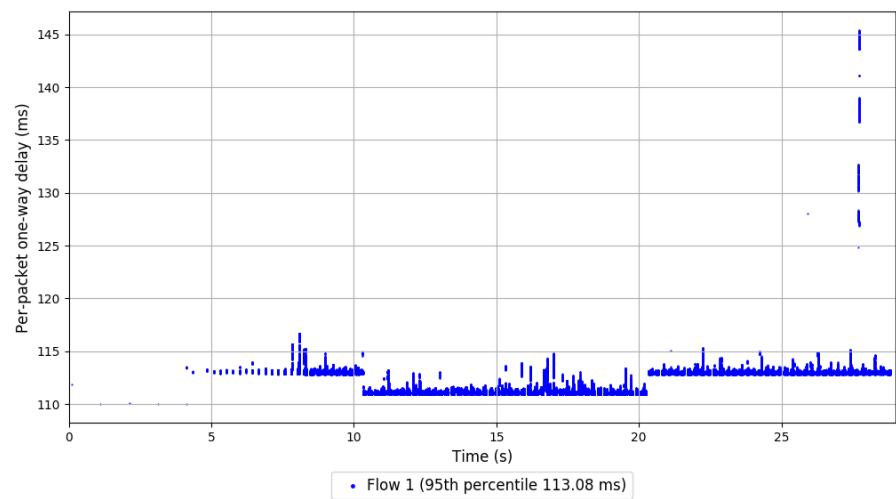
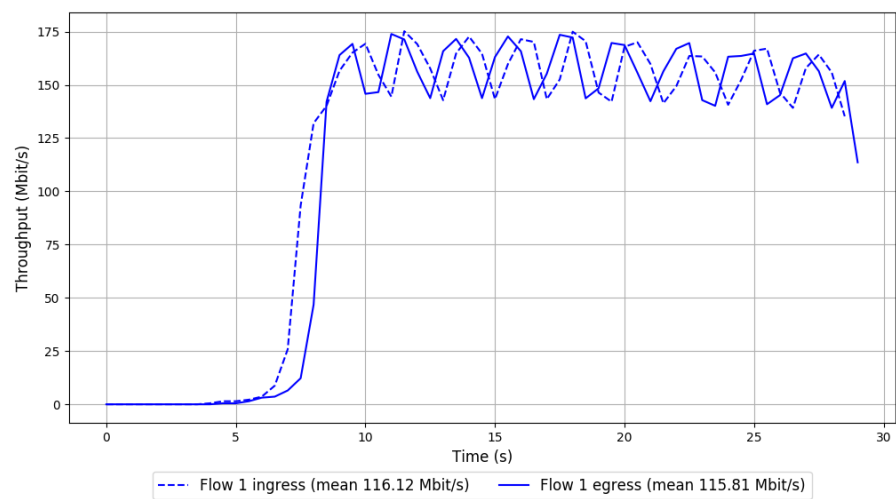


```
Run 1: Statistics of Indigo

Start at: 2018-06-05 14:38:05
End at: 2018-06-05 14:38:35
Local clock offset: -0.101 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-06-05 18:45:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 115.81 Mbit/s
95th percentile per-packet one-way delay: 113.084 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 115.81 Mbit/s
95th percentile per-packet one-way delay: 113.084 ms
Loss rate: 1.03%
```

Run 1: Report of Indigo — Data Link

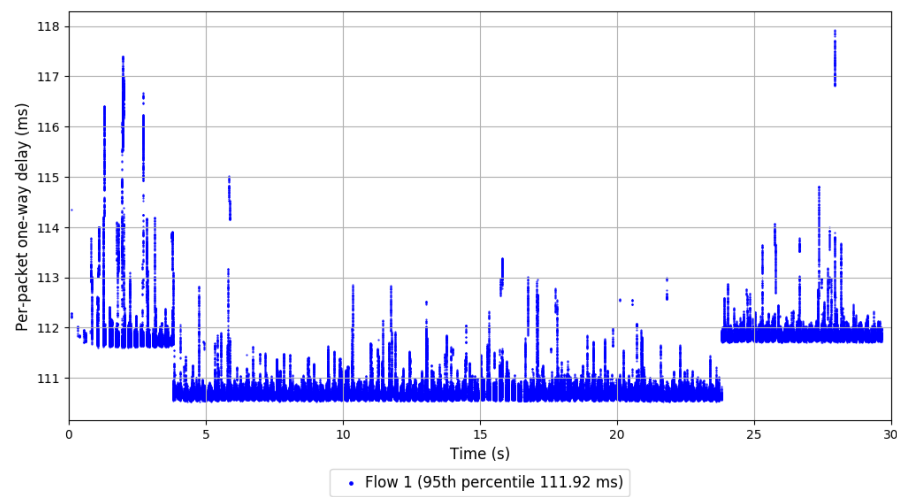
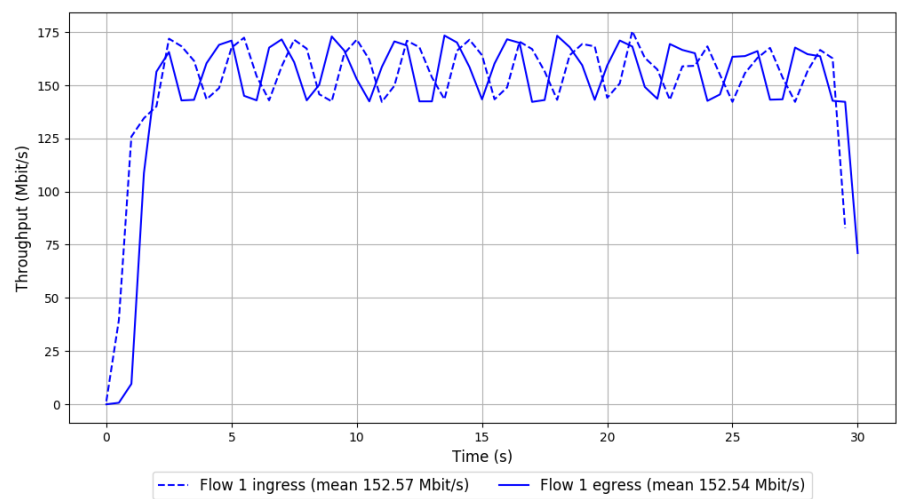


Run 2: Statistics of Indigo

Start at: 2018-06-05 14:58:43
End at: 2018-06-05 14:59:13
Local clock offset: -0.194 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-06-05 18:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.54 Mbit/s
95th percentile per-packet one-way delay: 111.924 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 152.54 Mbit/s
95th percentile per-packet one-way delay: 111.924 ms
Loss rate: 0.78%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-05 15:19:23

End at: 2018-06-05 15:19:53

Local clock offset: 0.238 ms

Remote clock offset: 0.355 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.48 Mbit/s

95th percentile per-packet one-way delay: 111.838 ms

Loss rate: 0.74%

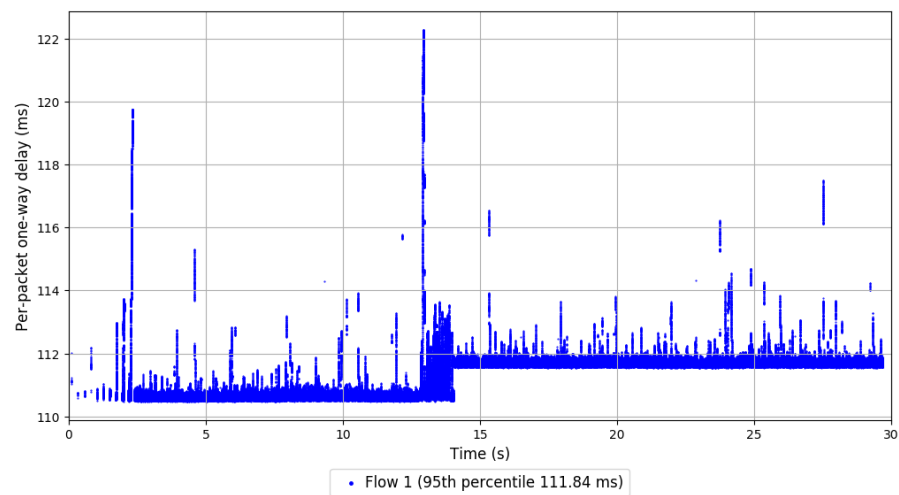
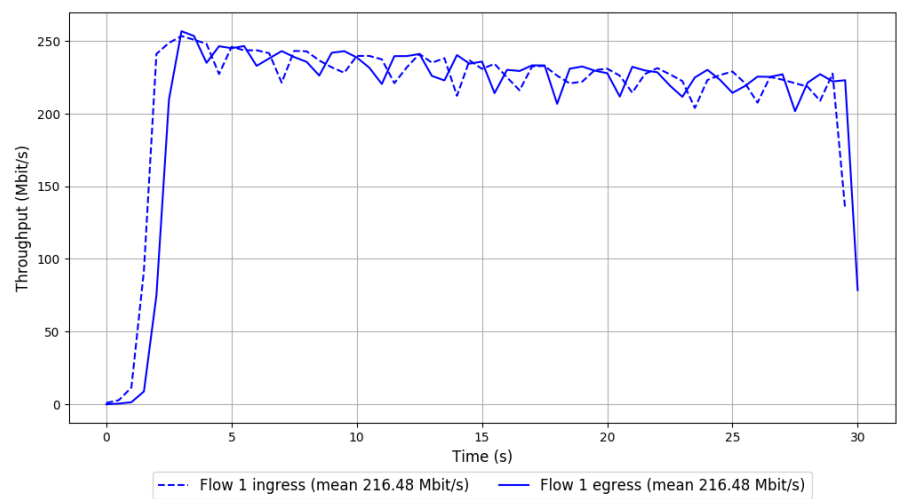
-- Flow 1:

Average throughput: 216.48 Mbit/s

95th percentile per-packet one-way delay: 111.838 ms

Loss rate: 0.74%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-05 15:39:51

End at: 2018-06-05 15:40:21

Local clock offset: -0.289 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.97 Mbit/s

95th percentile per-packet one-way delay: 112.502 ms

Loss rate: 0.80%

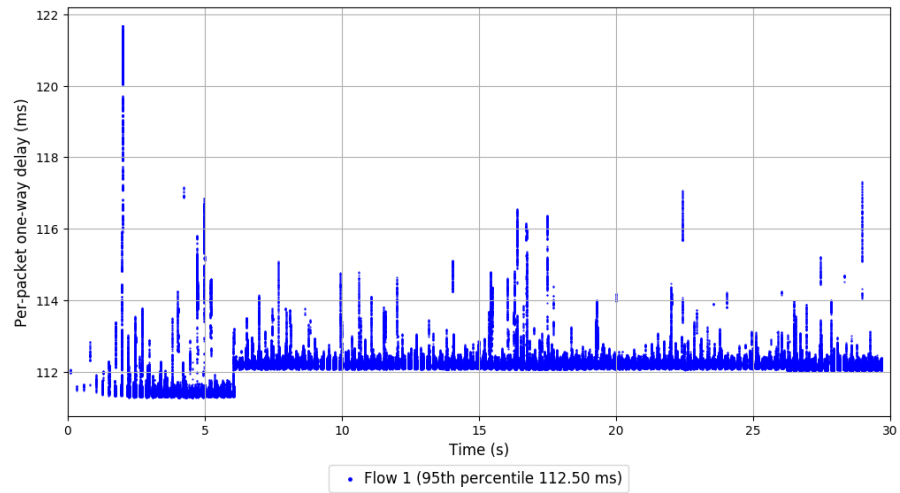
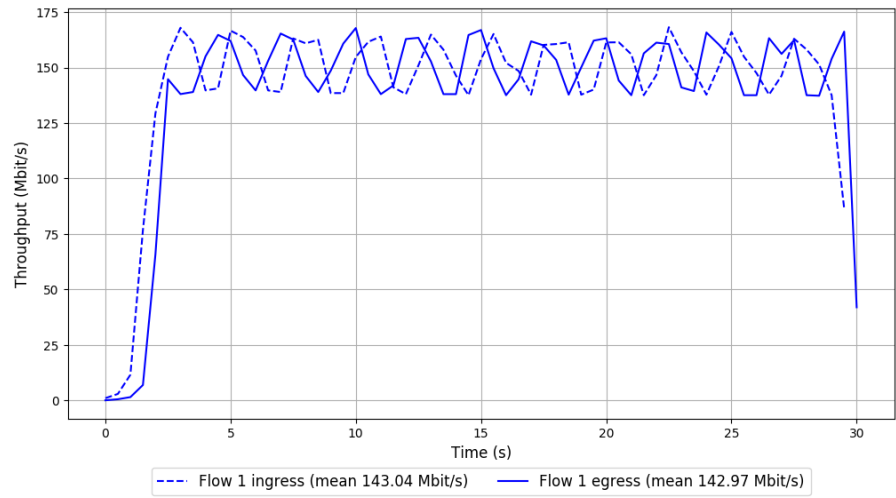
-- Flow 1:

Average throughput: 142.97 Mbit/s

95th percentile per-packet one-way delay: 112.502 ms

Loss rate: 0.80%

Run 4: Report of Indigo — Data Link

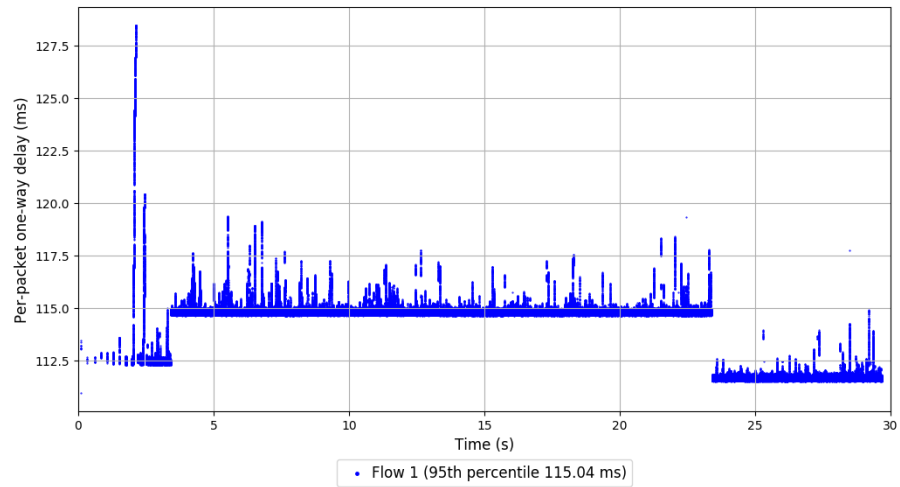
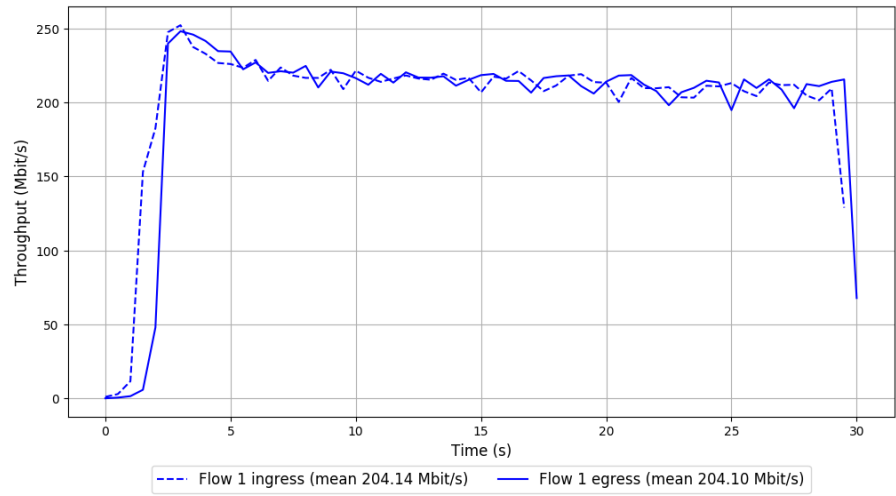


Run 5: Statistics of Indigo

Start at: 2018-06-05 16:00:53
End at: 2018-06-05 16:01:23
Local clock offset: -0.116 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-05 18:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.10 Mbit/s
95th percentile per-packet one-way delay: 115.038 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 204.10 Mbit/s
95th percentile per-packet one-way delay: 115.038 ms
Loss rate: 0.78%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-05 16:21:52

End at: 2018-06-05 16:22:22

Local clock offset: -0.023 ms

Remote clock offset: 0.379 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.14 Mbit/s

95th percentile per-packet one-way delay: 112.237 ms

Loss rate: 0.77%

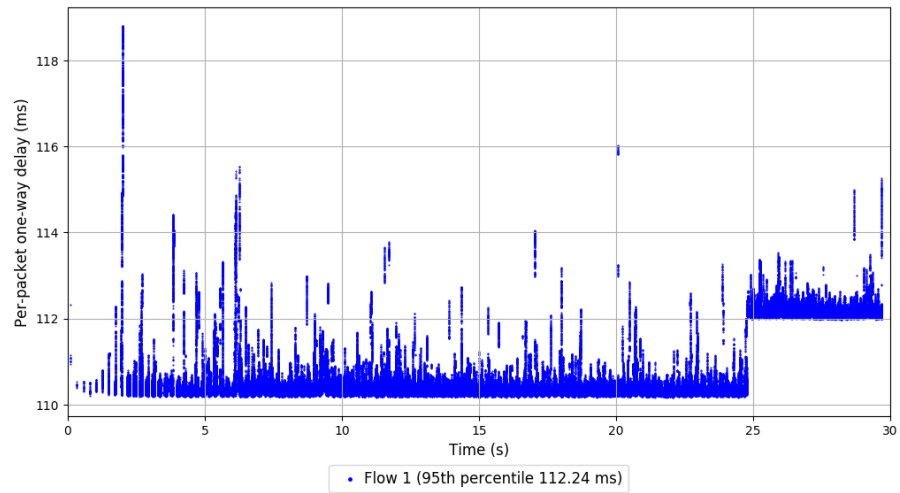
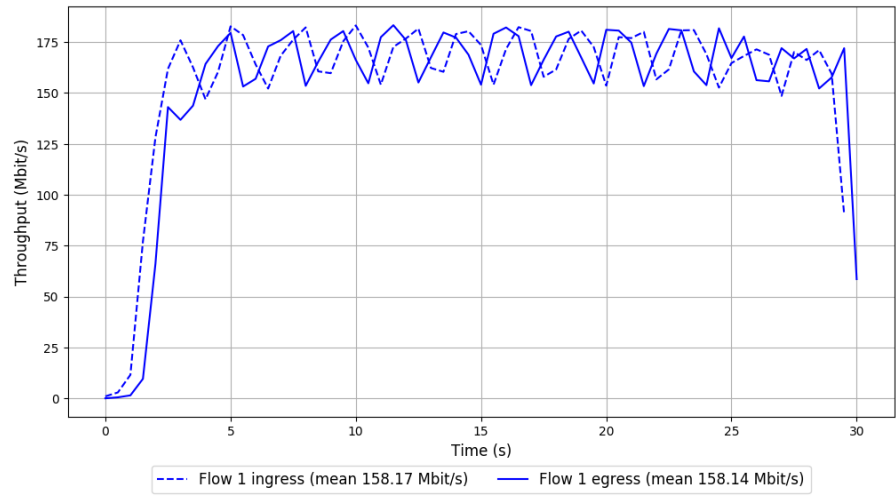
-- Flow 1:

Average throughput: 158.14 Mbit/s

95th percentile per-packet one-way delay: 112.237 ms

Loss rate: 0.77%

Run 6: Report of Indigo — Data Link

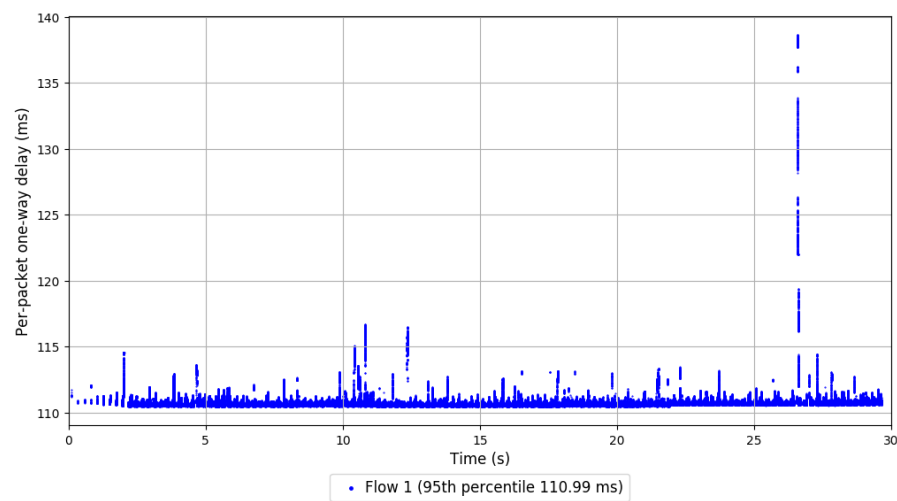
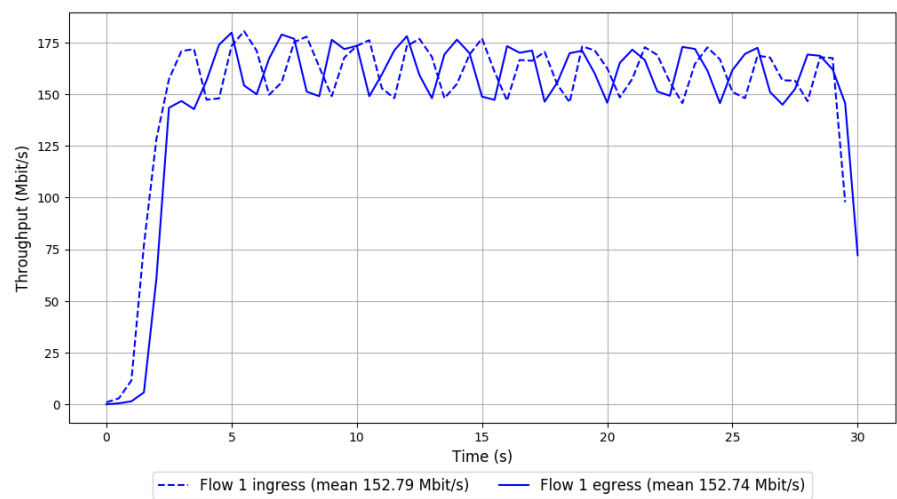


Run 7: Statistics of Indigo

Start at: 2018-06-05 16:42:15
End at: 2018-06-05 16:42:45
Local clock offset: -0.113 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-05 18:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.74 Mbit/s
95th percentile per-packet one-way delay: 110.992 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 152.74 Mbit/s
95th percentile per-packet one-way delay: 110.992 ms
Loss rate: 0.79%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-05 17:03:00

End at: 2018-06-05 17:03:30

Local clock offset: 0.111 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.96 Mbit/s

95th percentile per-packet one-way delay: 112.072 ms

Loss rate: 0.82%

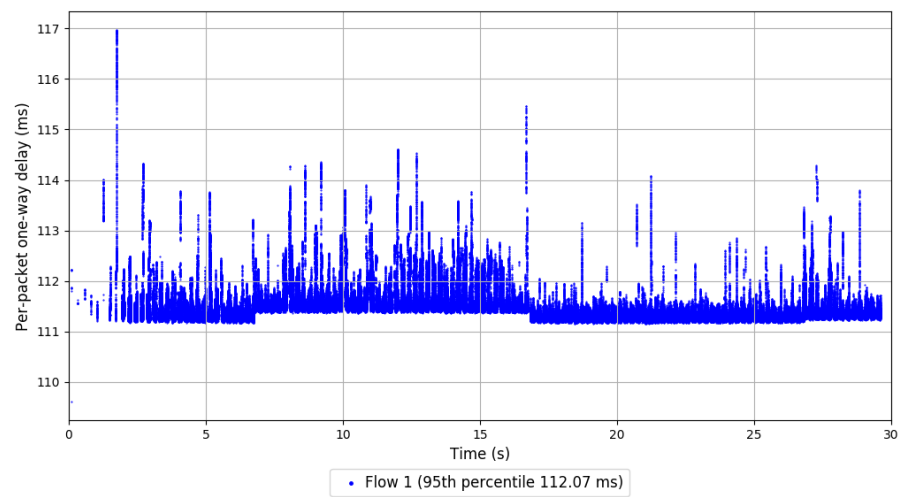
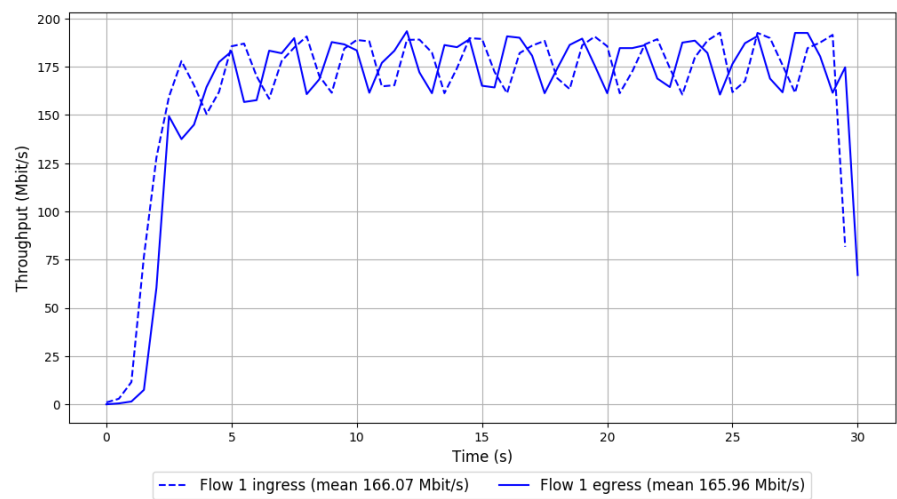
-- Flow 1:

Average throughput: 165.96 Mbit/s

95th percentile per-packet one-way delay: 112.072 ms

Loss rate: 0.82%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-05 17:23:50

End at: 2018-06-05 17:24:20

Local clock offset: -0.056 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.64 Mbit/s

95th percentile per-packet one-way delay: 113.011 ms

Loss rate: 0.80%

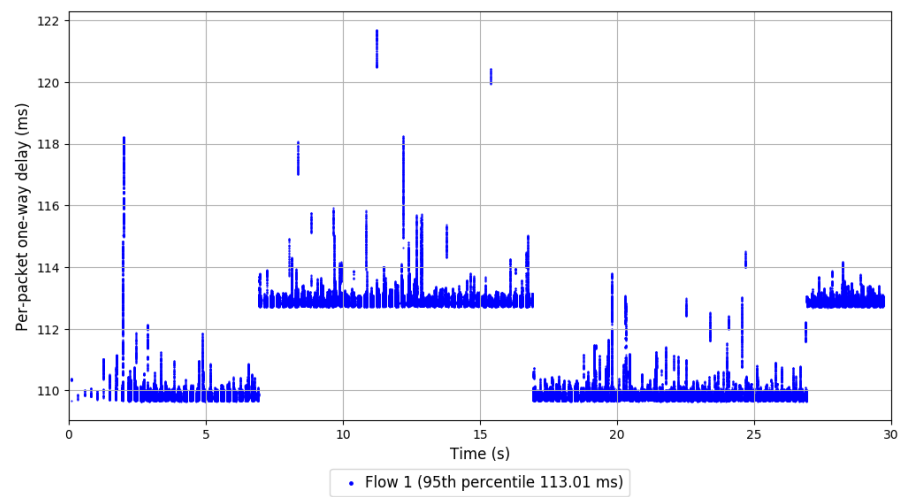
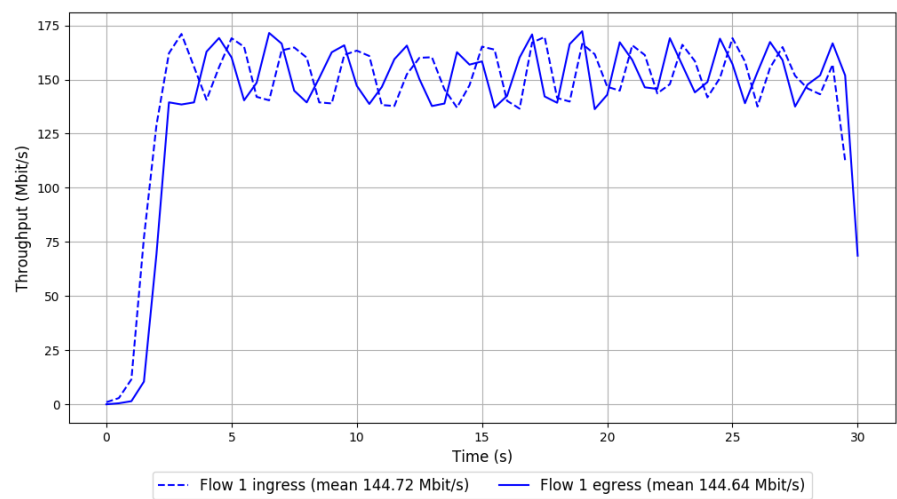
-- Flow 1:

Average throughput: 144.64 Mbit/s

95th percentile per-packet one-way delay: 113.011 ms

Loss rate: 0.80%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-05 17:44:32

End at: 2018-06-05 17:45:02

Local clock offset: 0.074 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.99 Mbit/s

95th percentile per-packet one-way delay: 113.411 ms

Loss rate: 0.76%

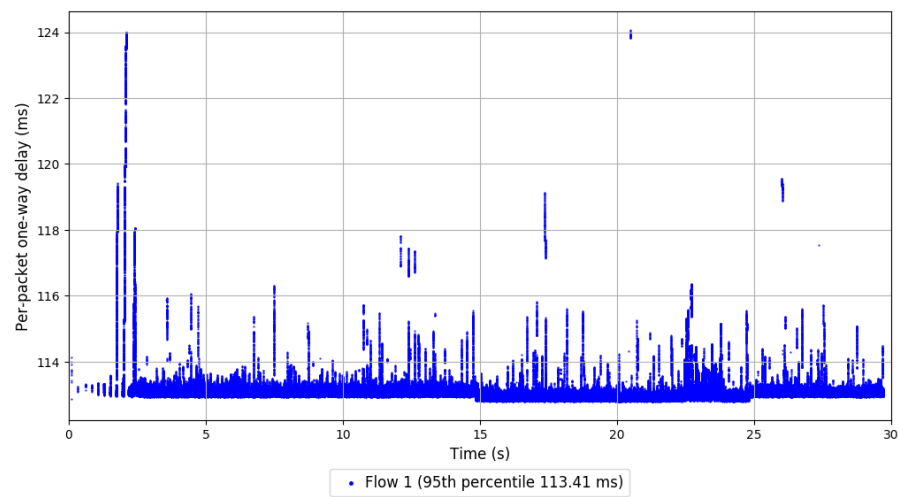
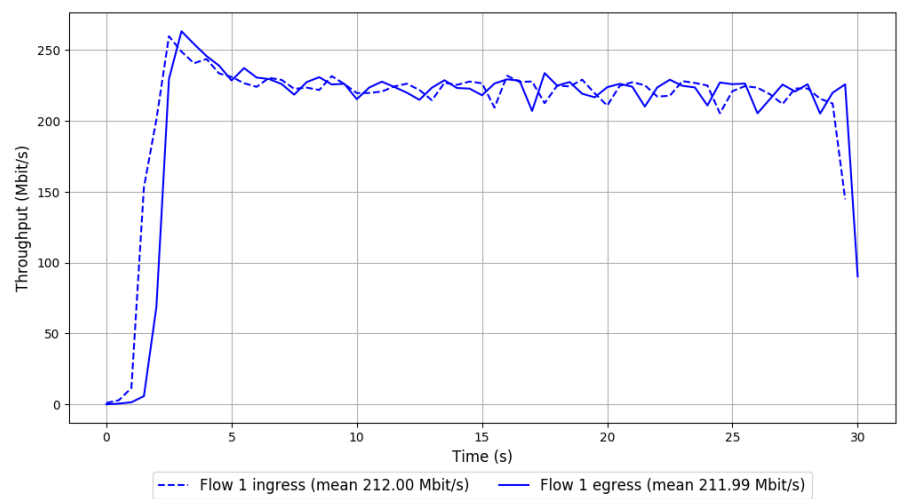
-- Flow 1:

Average throughput: 211.99 Mbit/s

95th percentile per-packet one-way delay: 113.411 ms

Loss rate: 0.76%

Run 10: Report of Indigo — Data Link

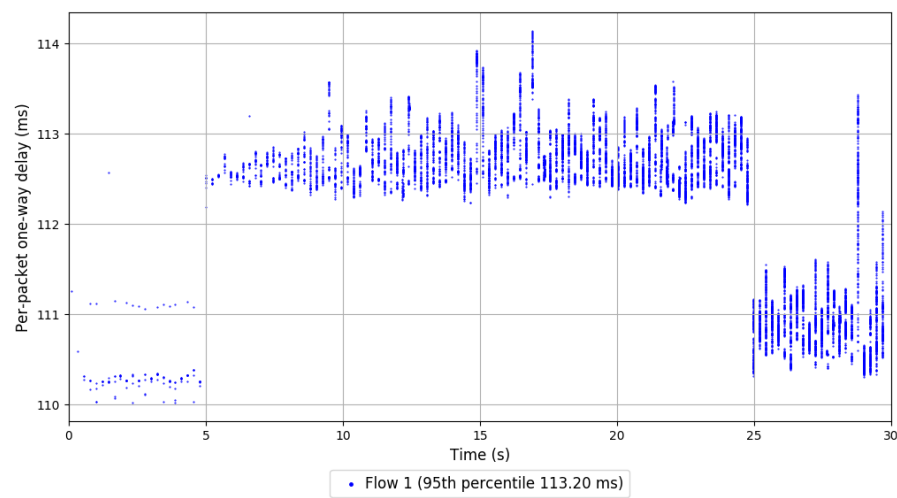
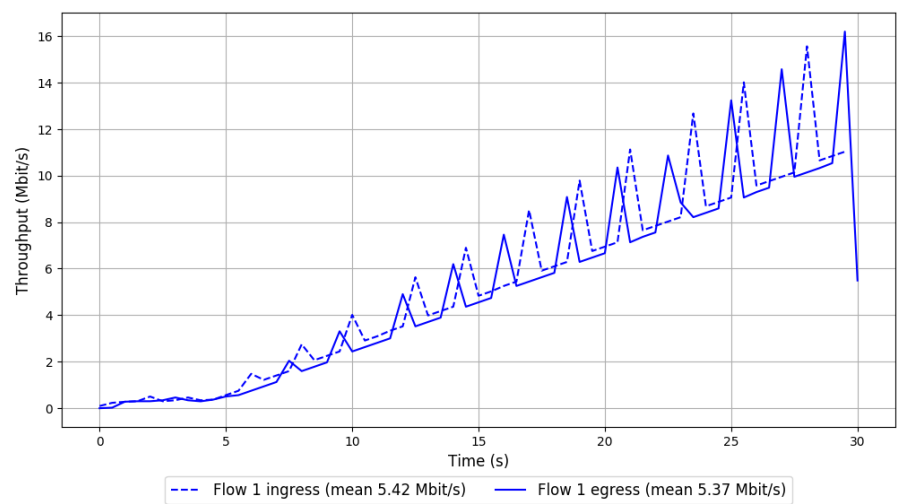


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-05 14:30:12
End at: 2018-06-05 14:30:42
Local clock offset: -0.42 ms
Remote clock offset: 0.212 ms

# Below is generated by plot.py at 2018-06-05 18:45:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 113.199 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 113.199 ms
Loss rate: 1.71%
```

Run 1: Report of LEDBAT — Data Link

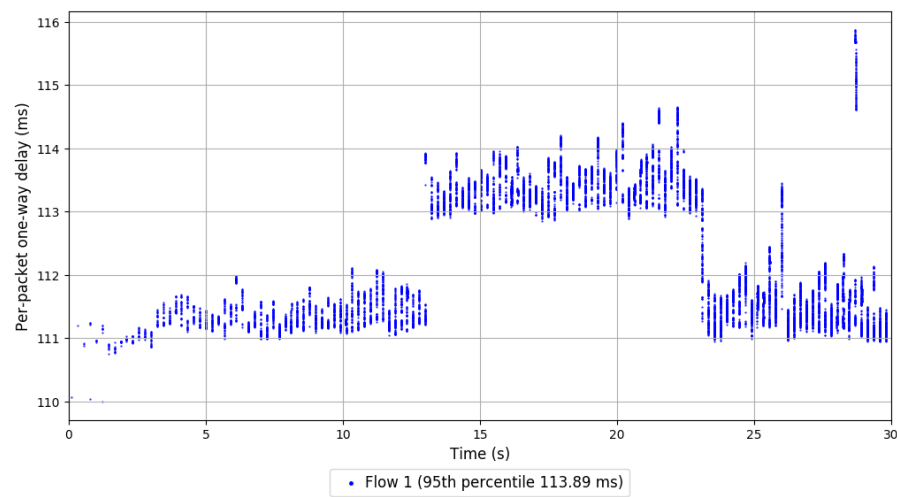
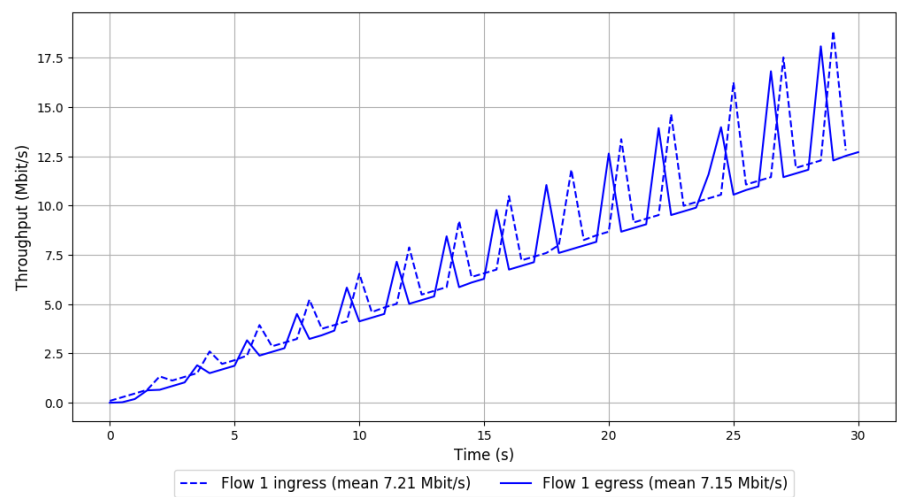


Run 2: Statistics of LEDBAT

Start at: 2018-06-05 14:50:54
End at: 2018-06-05 14:51:24
Local clock offset: -0.042 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-06-05 18:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 113.892 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 113.892 ms
Loss rate: 1.49%

Run 2: Report of LEDBAT — Data Link

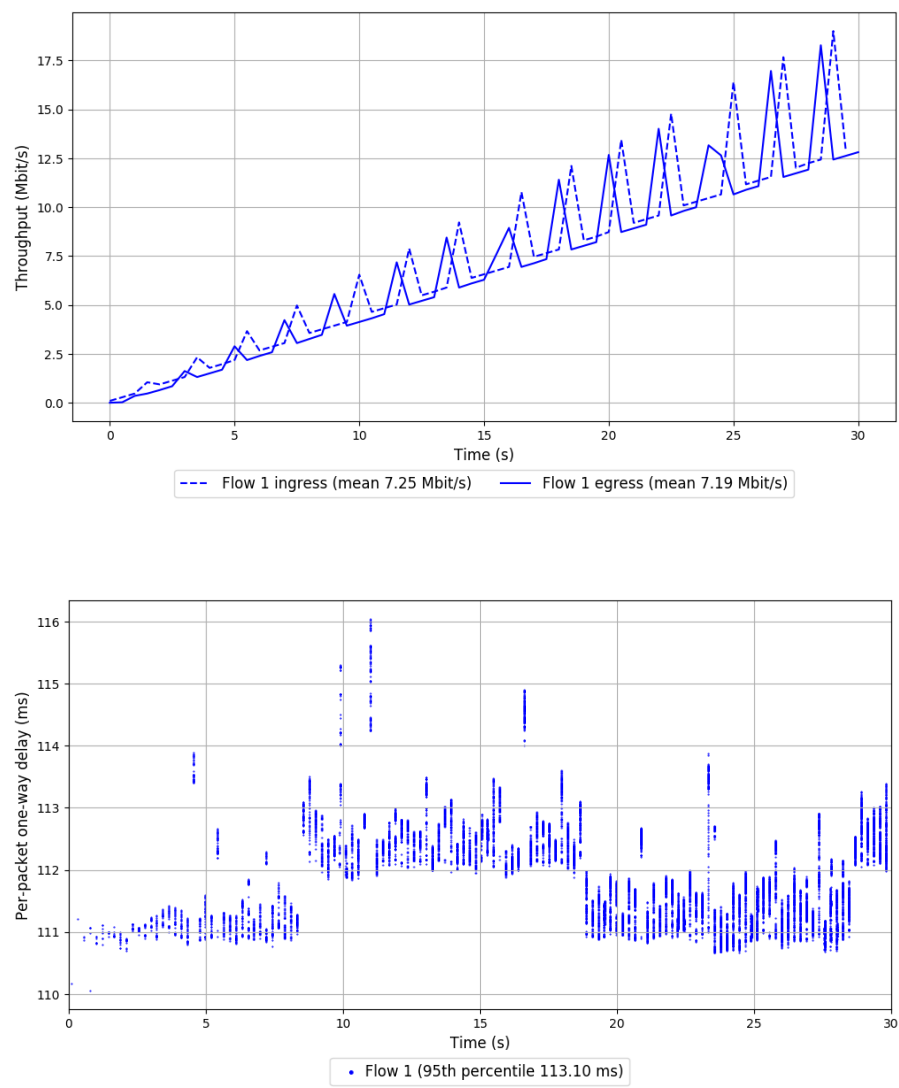


Run 3: Statistics of LEDBAT

Start at: 2018-06-05 15:11:18
End at: 2018-06-05 15:11:48
Local clock offset: -0.013 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-05 18:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 113.097 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 113.097 ms
Loss rate: 1.49%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-05 15:32:11

End at: 2018-06-05 15:32:41

Local clock offset: 0.095 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 113.776 ms

Loss rate: 1.50%

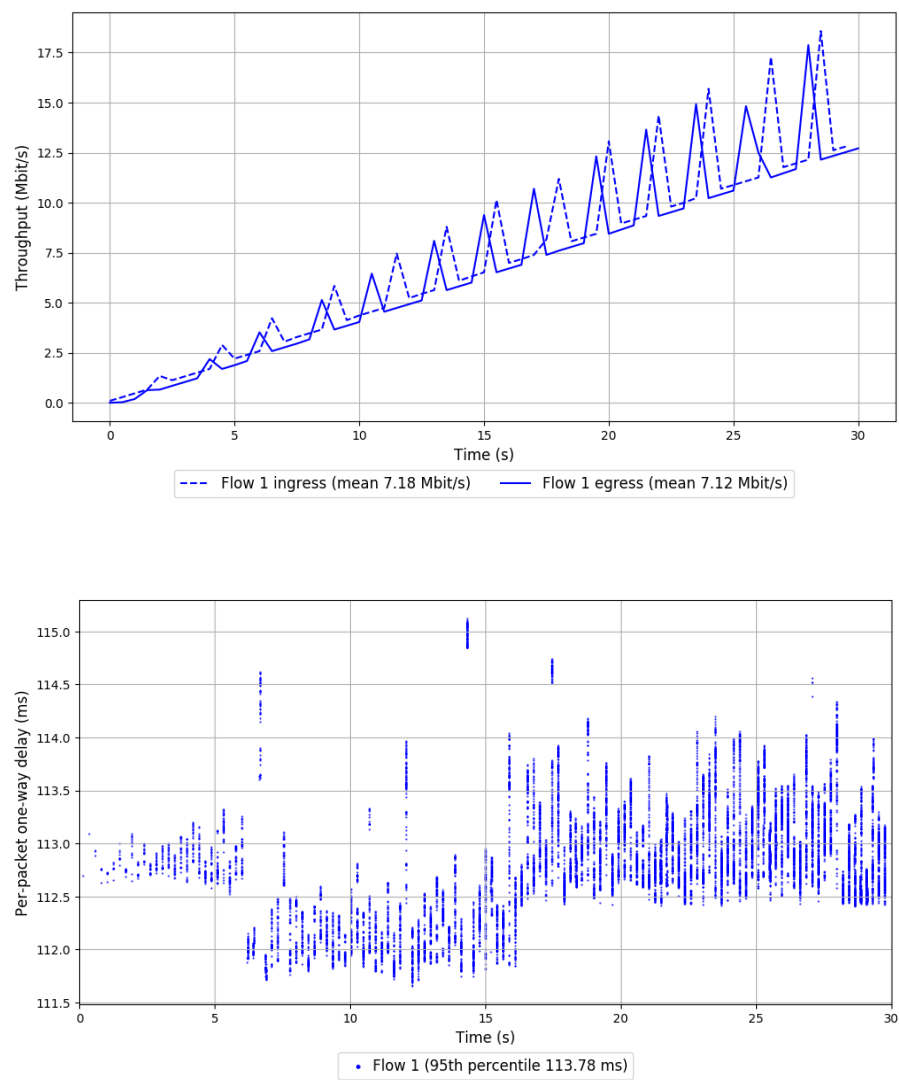
-- Flow 1:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 113.776 ms

Loss rate: 1.50%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-05 15:53:01

End at: 2018-06-05 15:53:31

Local clock offset: -0.042 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.97 Mbit/s

95th percentile per-packet one-way delay: 116.188 ms

Loss rate: 1.76%

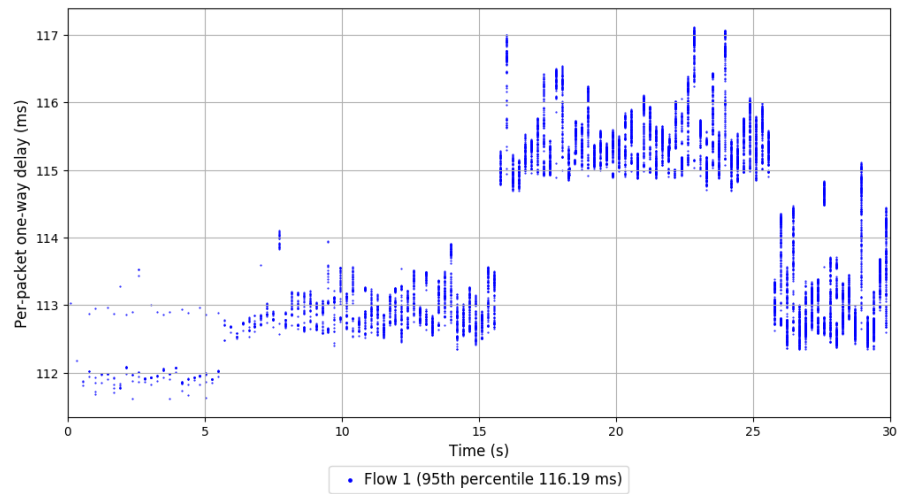
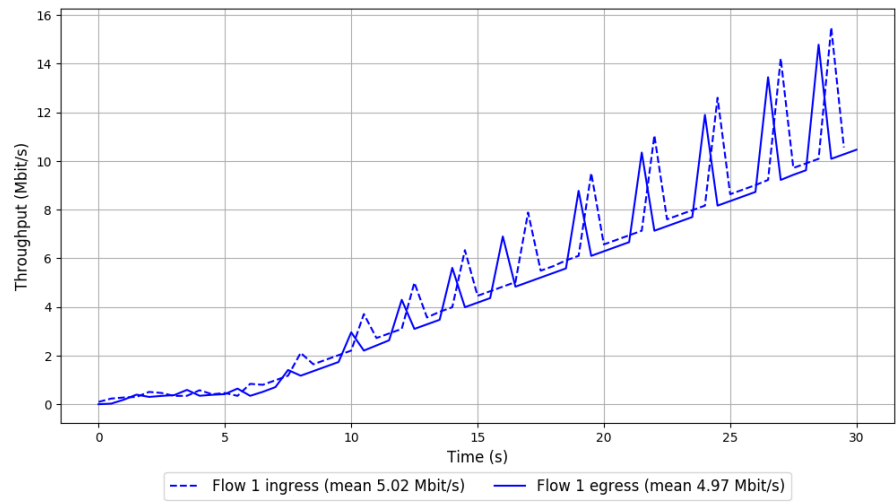
-- Flow 1:

Average throughput: 4.97 Mbit/s

95th percentile per-packet one-way delay: 116.188 ms

Loss rate: 1.76%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-05 16:13:51

End at: 2018-06-05 16:14:21

Local clock offset: -0.158 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 115.441 ms

Loss rate: 1.49%

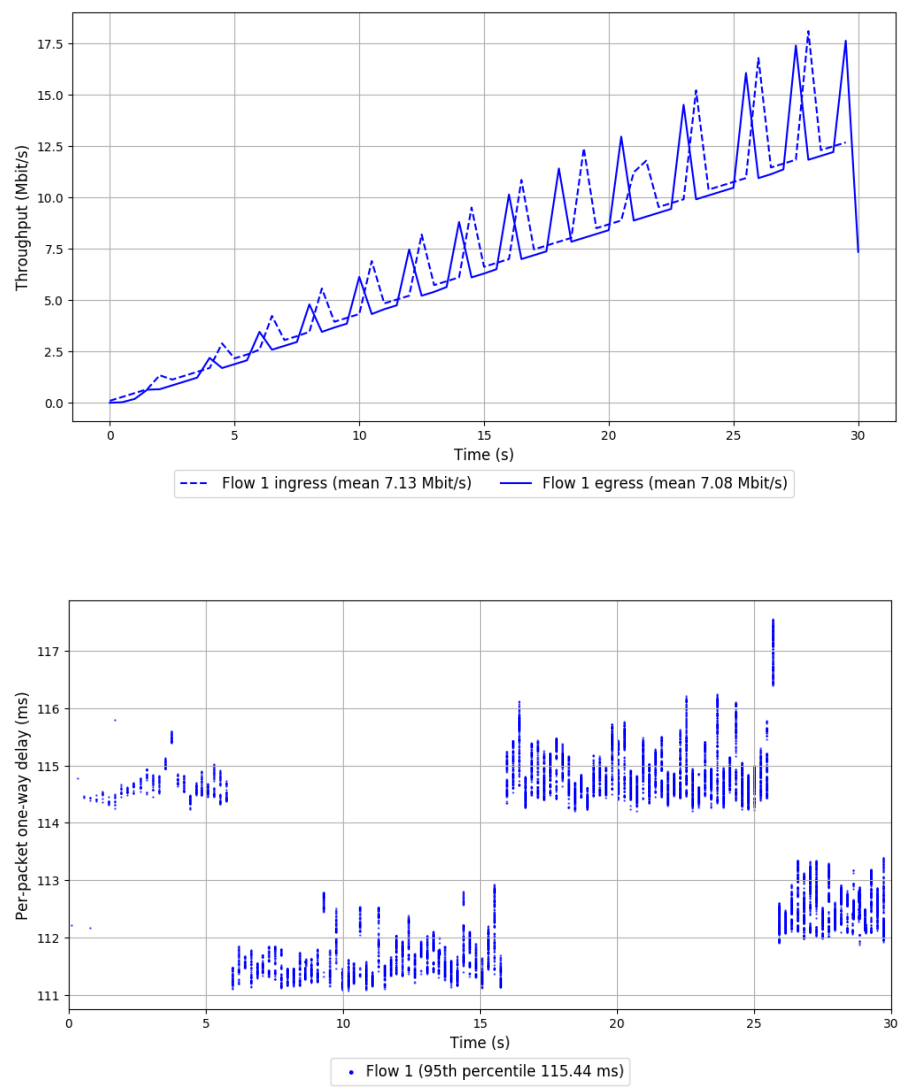
-- Flow 1:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 115.441 ms

Loss rate: 1.49%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-05 16:34:25

End at: 2018-06-05 16:34:55

Local clock offset: -0.087 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.91 Mbit/s

95th percentile per-packet one-way delay: 111.549 ms

Loss rate: 1.52%

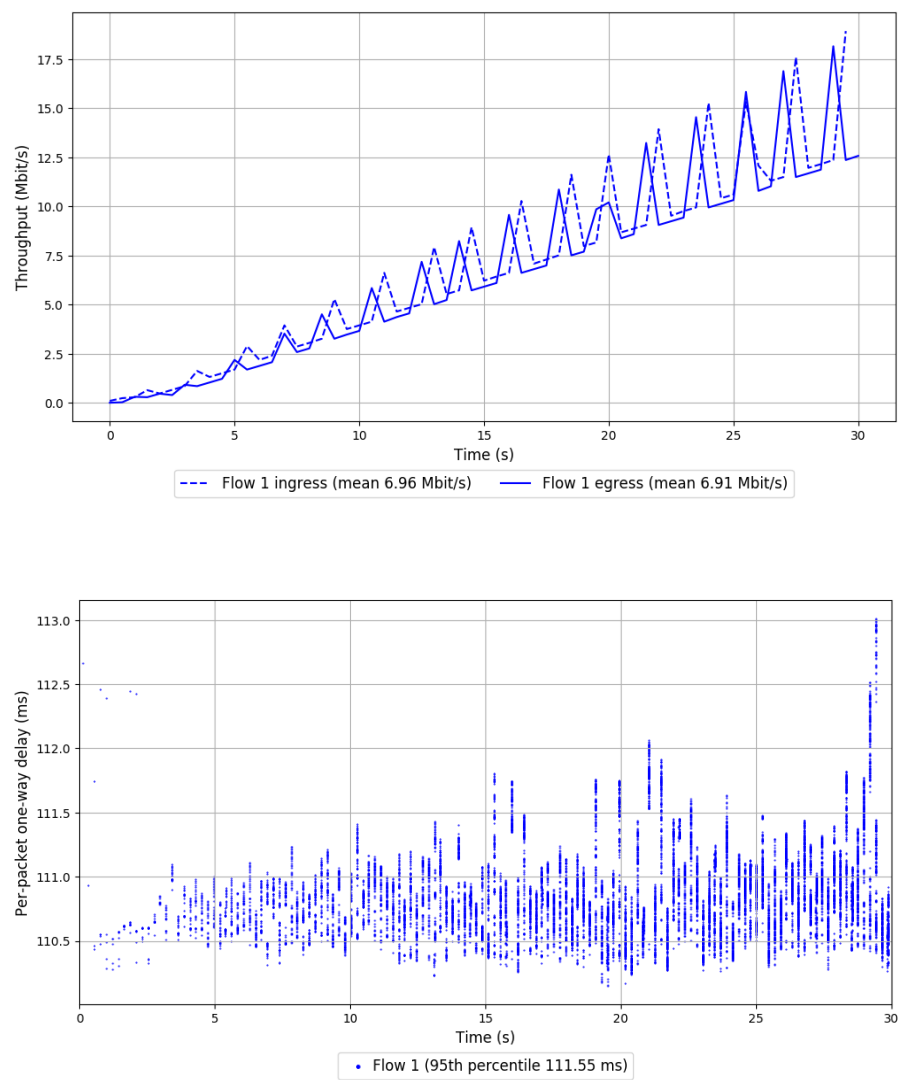
-- Flow 1:

Average throughput: 6.91 Mbit/s

95th percentile per-packet one-way delay: 111.549 ms

Loss rate: 1.52%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-05 16:55:09

End at: 2018-06-05 16:55:39

Local clock offset: -0.181 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 112.654 ms

Loss rate: 1.49%

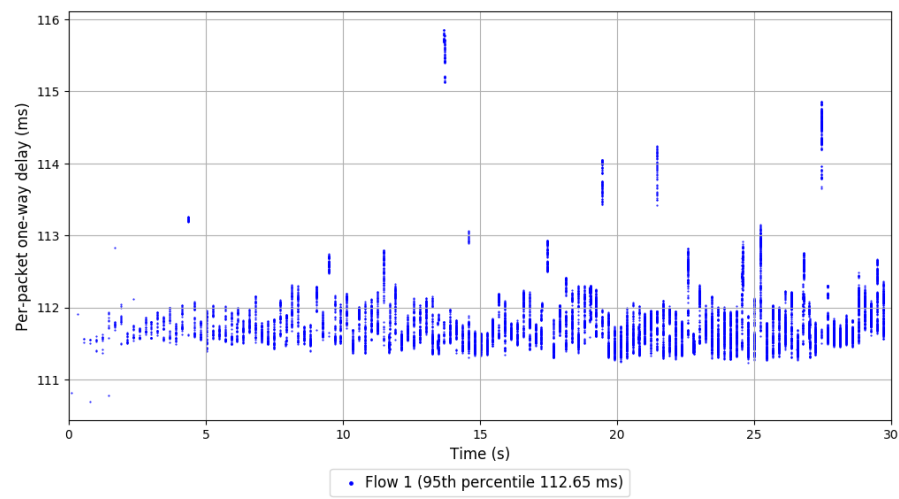
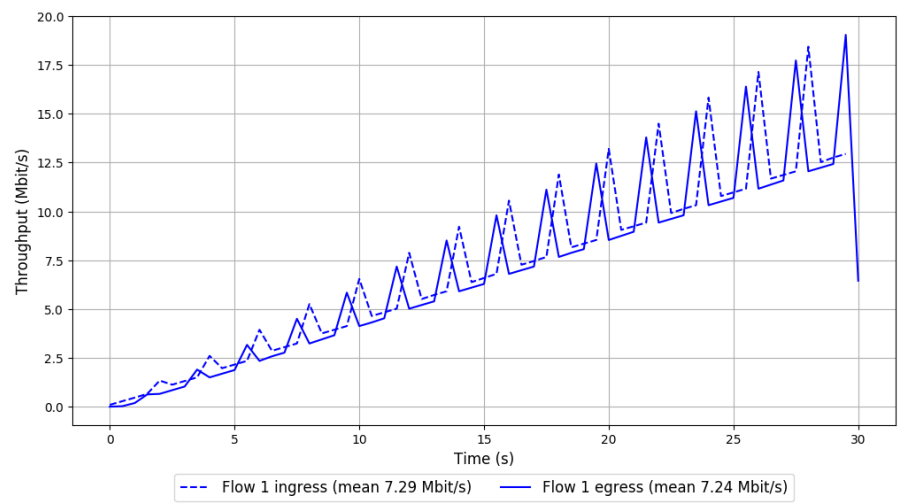
-- Flow 1:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 112.654 ms

Loss rate: 1.49%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-05 17:16:00

End at: 2018-06-05 17:16:30

Local clock offset: 0.079 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 112.865 ms

Loss rate: 1.49%

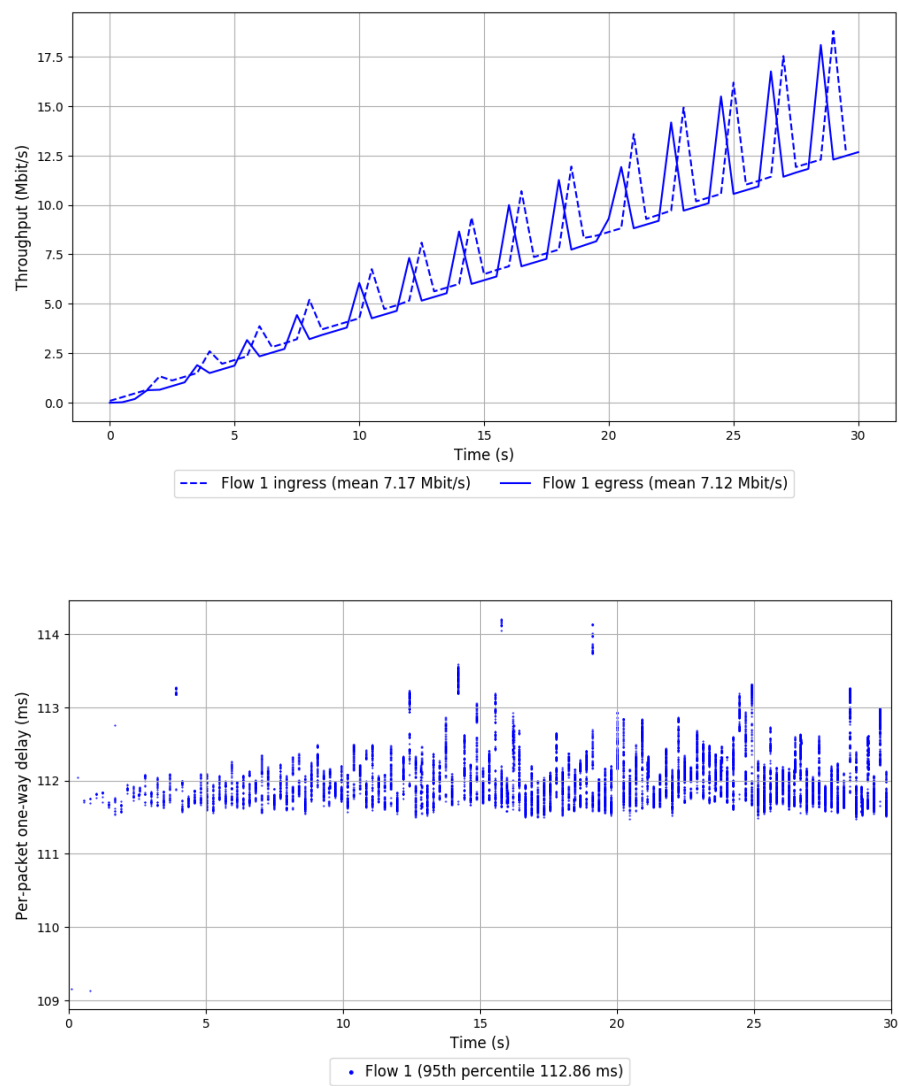
-- Flow 1:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 112.865 ms

Loss rate: 1.49%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-05 17:36:43

End at: 2018-06-05 17:37:14

Local clock offset: -0.119 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.84 Mbit/s

95th percentile per-packet one-way delay: 114.053 ms

Loss rate: 1.63%

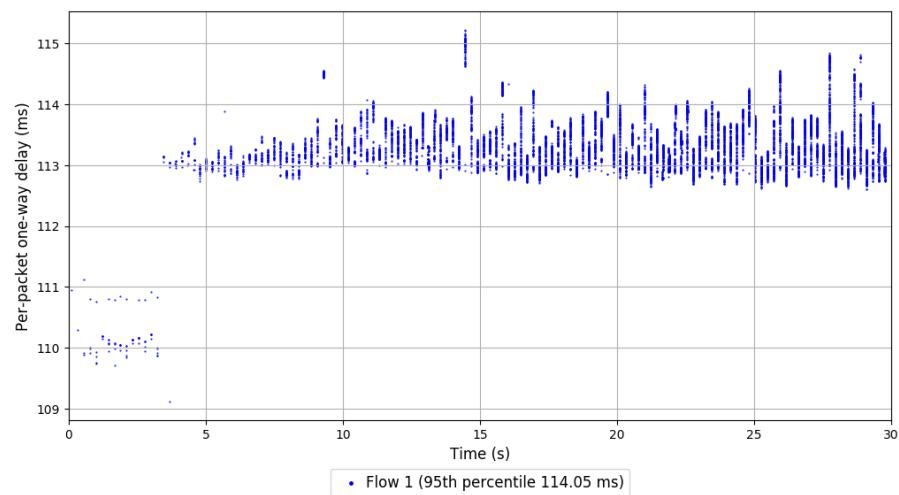
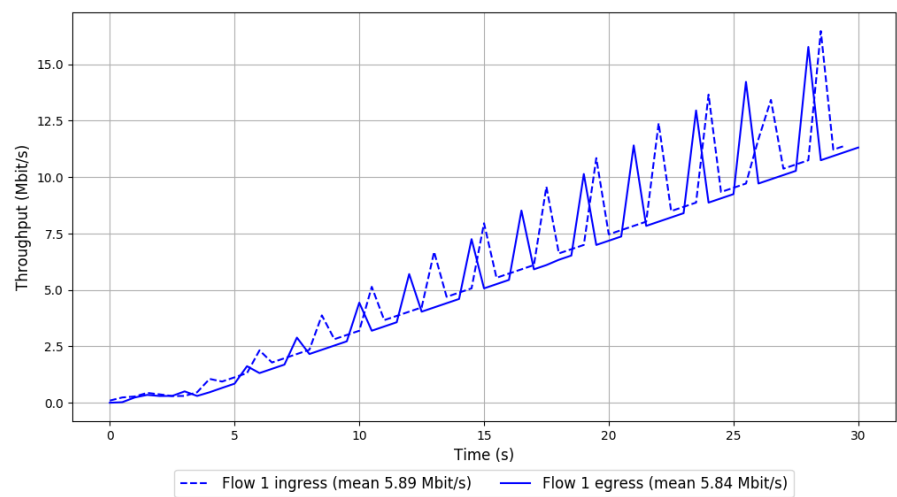
-- Flow 1:

Average throughput: 5.84 Mbit/s

95th percentile per-packet one-way delay: 114.053 ms

Loss rate: 1.63%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 14:36:37

End at: 2018-06-05 14:37:07

Local clock offset: -0.537 ms

Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.31 Mbit/s

95th percentile per-packet one-way delay: 237.257 ms

Loss rate: 2.52%

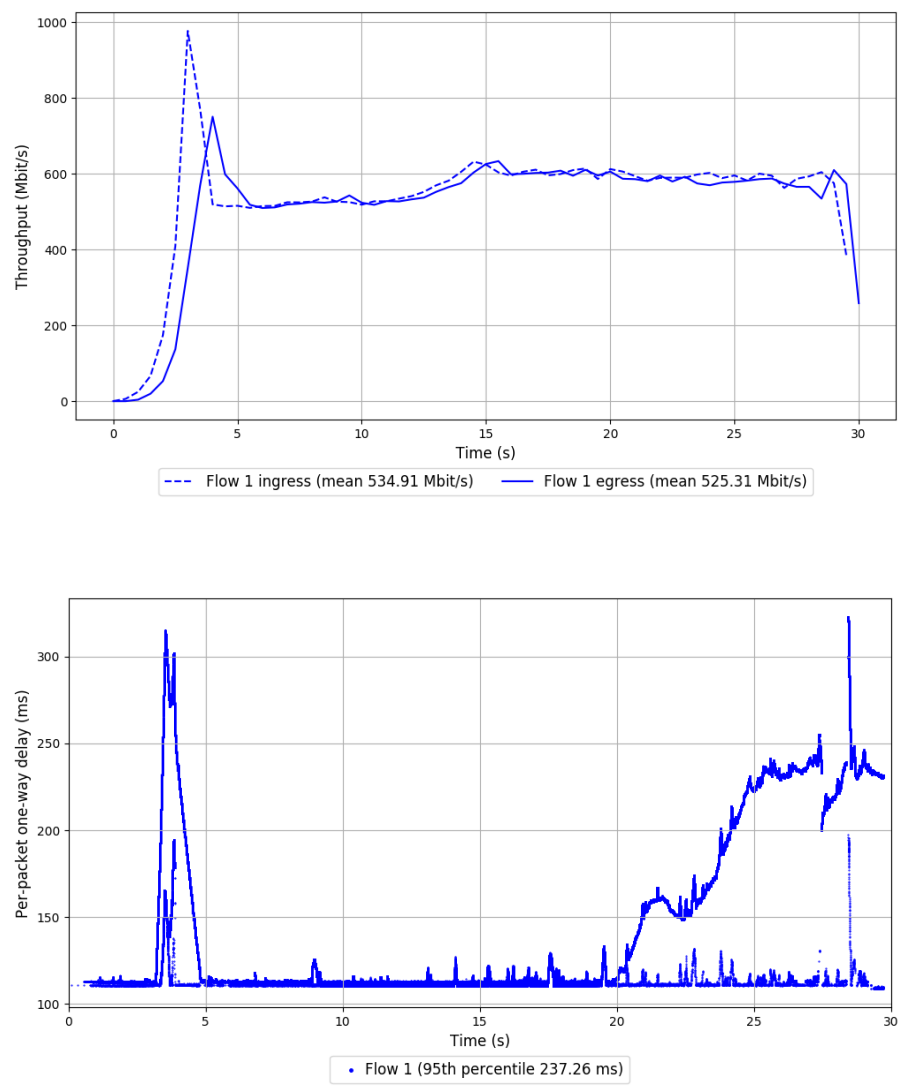
-- Flow 1:

Average throughput: 525.31 Mbit/s

95th percentile per-packet one-way delay: 237.257 ms

Loss rate: 2.52%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 14:57:15

End at: 2018-06-05 14:57:45

Local clock offset: -0.301 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.62 Mbit/s

95th percentile per-packet one-way delay: 162.208 ms

Loss rate: 1.70%

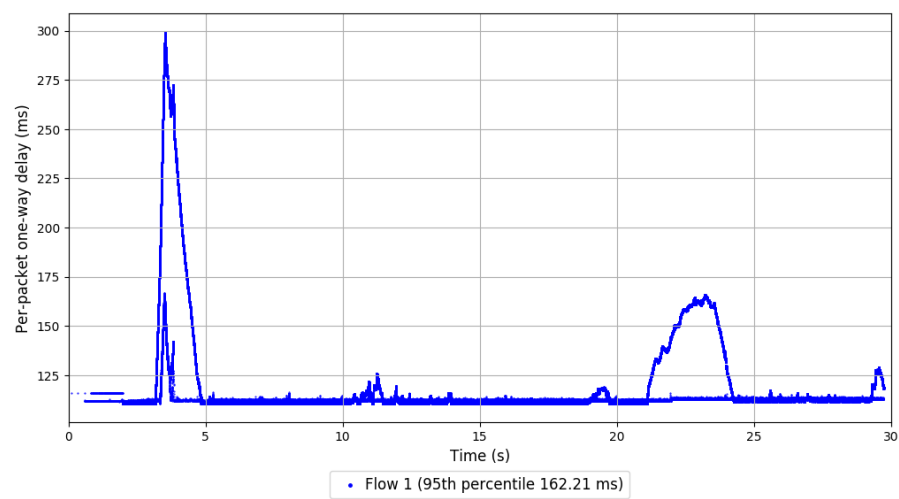
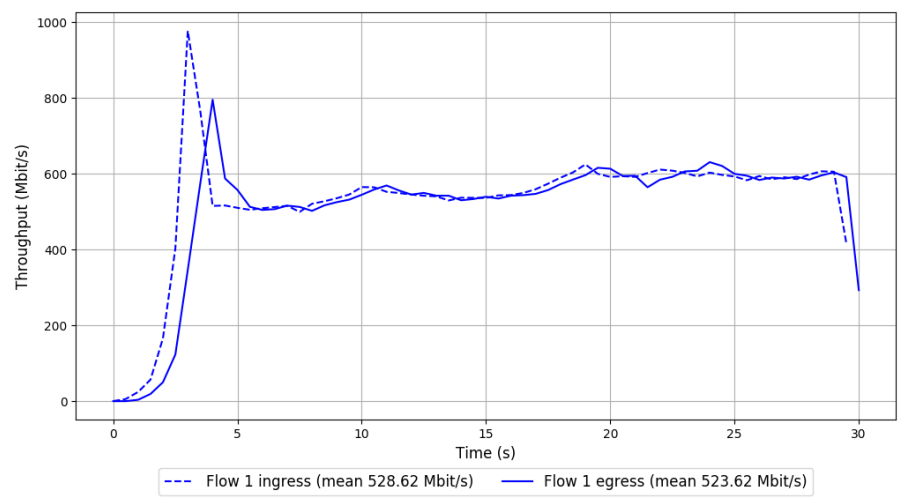
-- Flow 1:

Average throughput: 523.62 Mbit/s

95th percentile per-packet one-way delay: 162.208 ms

Loss rate: 1.70%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 15:17:54

End at: 2018-06-05 15:18:24

Local clock offset: -0.066 ms

Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 542.51 Mbit/s

95th percentile per-packet one-way delay: 230.518 ms

Loss rate: 1.68%

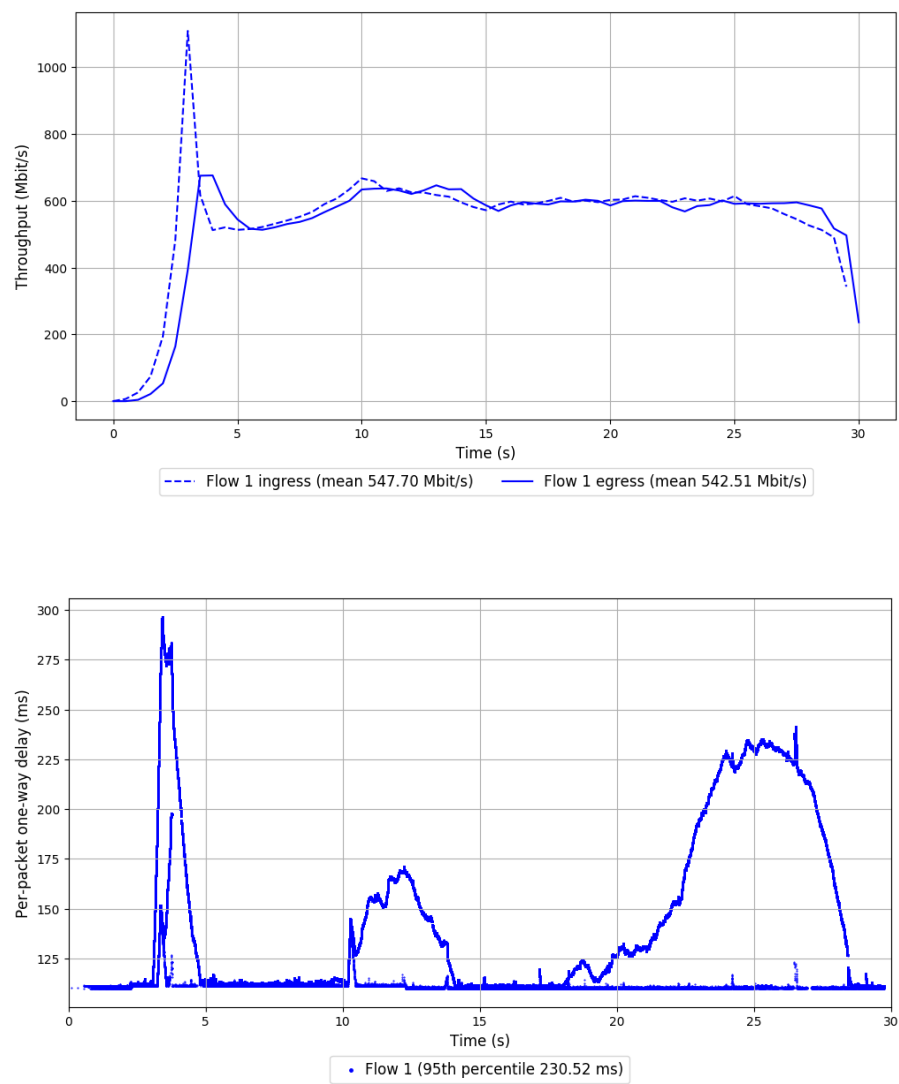
-- Flow 1:

Average throughput: 542.51 Mbit/s

95th percentile per-packet one-way delay: 230.518 ms

Loss rate: 1.68%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 15:38:22

End at: 2018-06-05 15:38:52

Local clock offset: -0.059 ms

Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.57 Mbit/s

95th percentile per-packet one-way delay: 129.741 ms

Loss rate: 1.36%

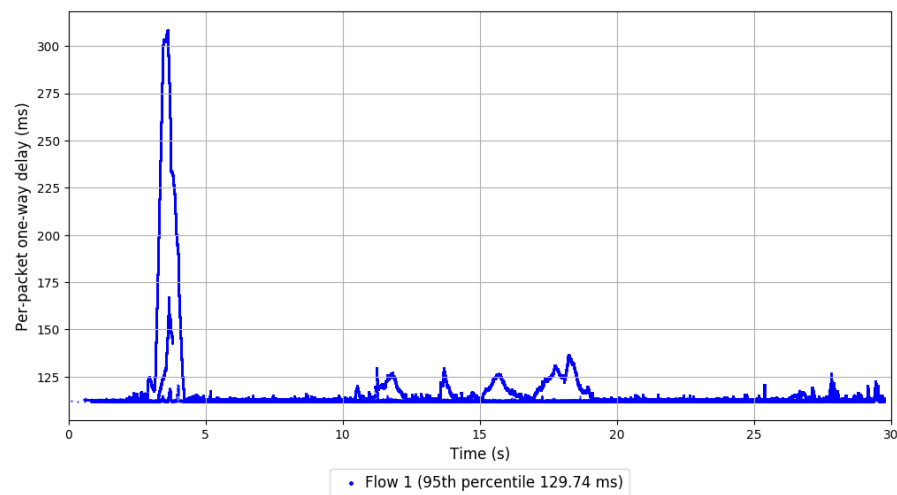
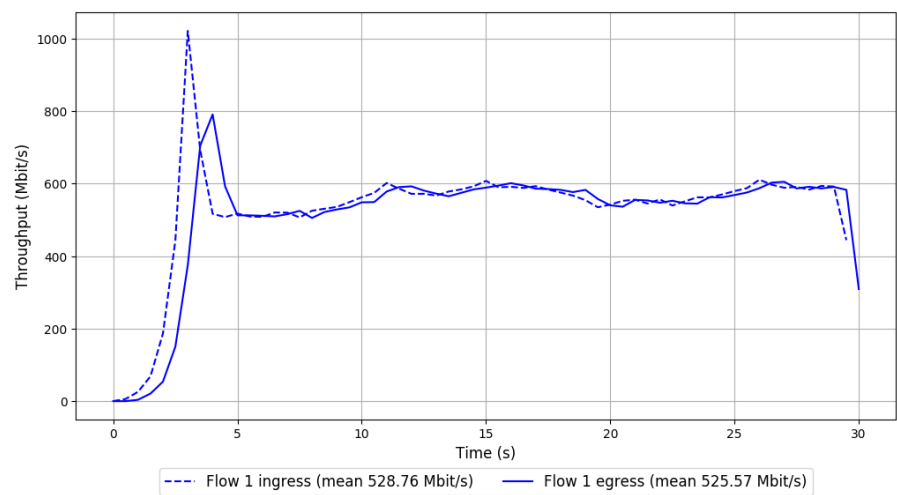
-- Flow 1:

Average throughput: 525.57 Mbit/s

95th percentile per-packet one-way delay: 129.741 ms

Loss rate: 1.36%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 15:59:26

End at: 2018-06-05 15:59:56

Local clock offset: -0.156 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-05 18:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.59 Mbit/s

95th percentile per-packet one-way delay: 247.209 ms

Loss rate: 3.03%

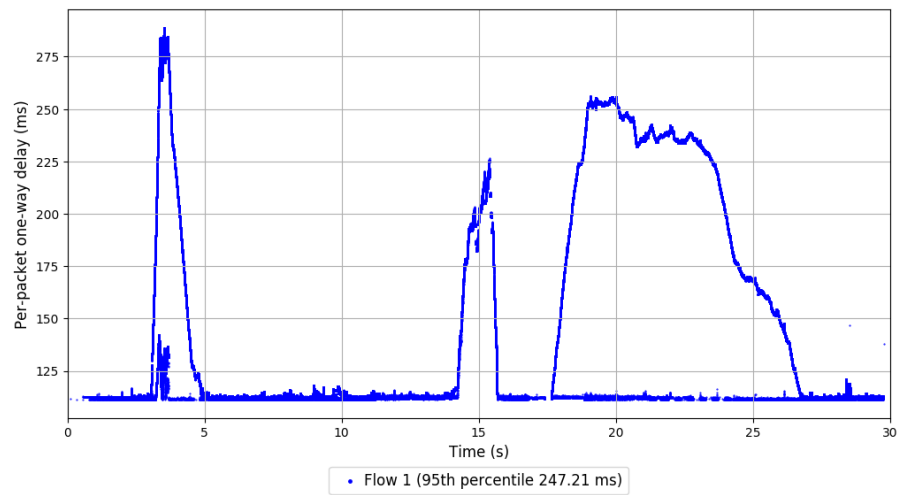
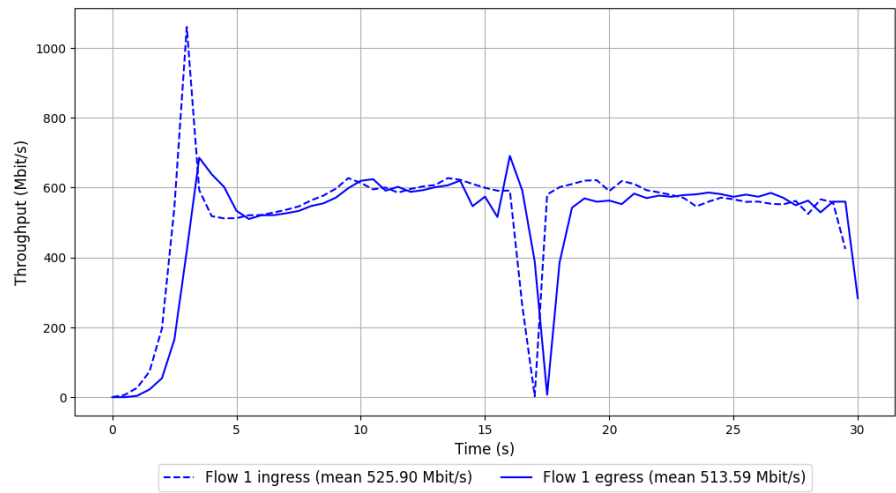
-- Flow 1:

Average throughput: 513.59 Mbit/s

95th percentile per-packet one-way delay: 247.209 ms

Loss rate: 3.03%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 16:20:22

End at: 2018-06-05 16:20:52

Local clock offset: 0.248 ms

Remote clock offset: -0.37 ms

Below is generated by plot.py at 2018-06-05 18:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 570.21 Mbit/s

95th percentile per-packet one-way delay: 230.238 ms

Loss rate: 3.01%

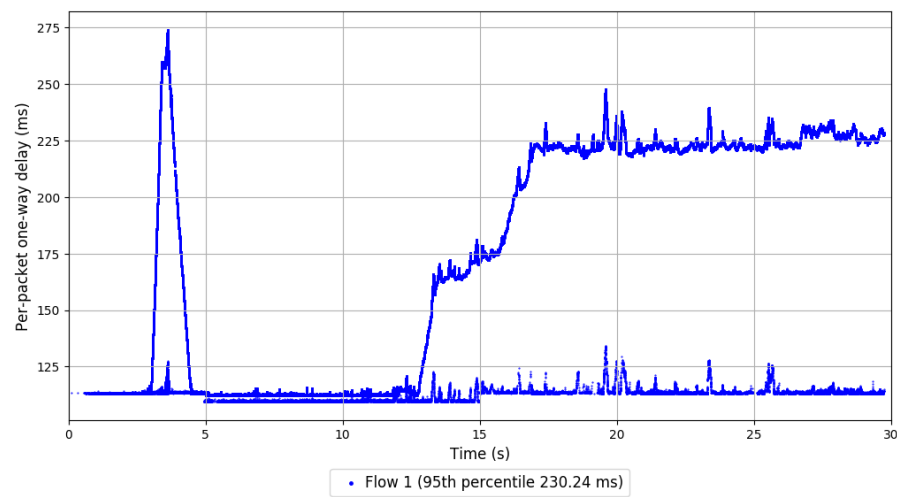
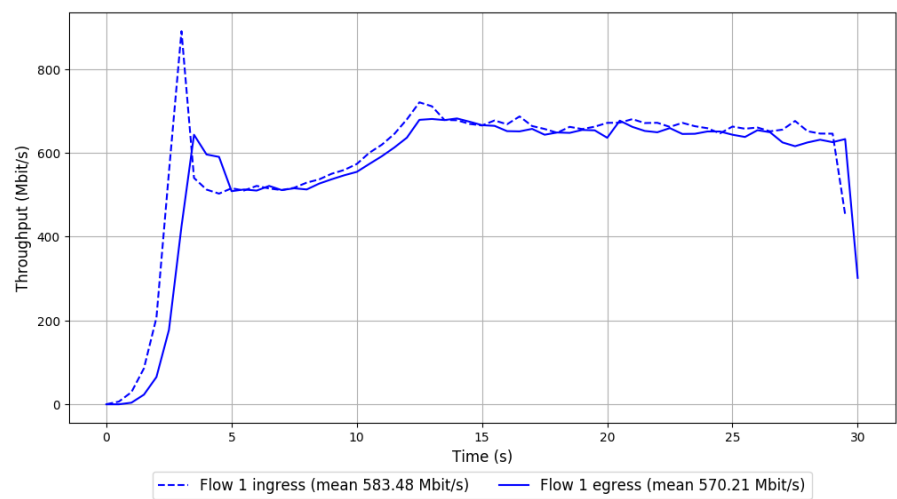
-- Flow 1:

Average throughput: 570.21 Mbit/s

95th percentile per-packet one-way delay: 230.238 ms

Loss rate: 3.01%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 16:40:45

End at: 2018-06-05 16:41:15

Local clock offset: -0.021 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at 2018-06-05 18:52:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 557.46 Mbit/s

95th percentile per-packet one-way delay: 127.882 ms

Loss rate: 1.52%

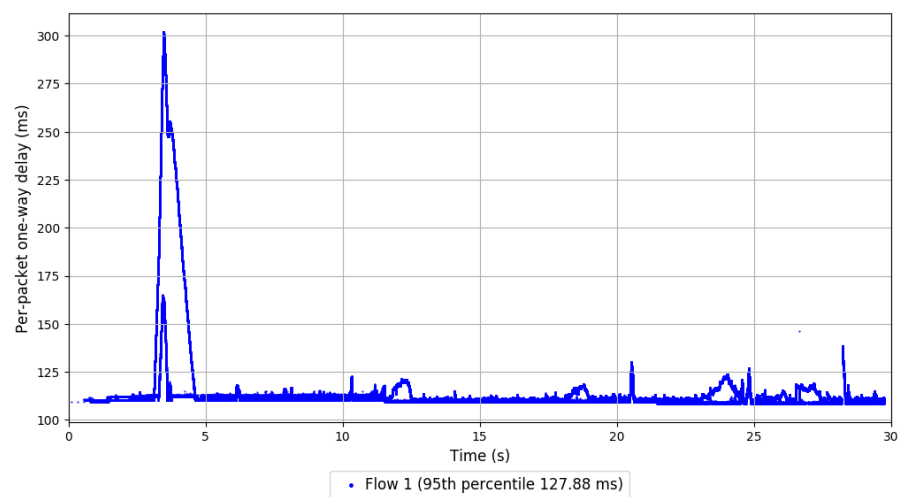
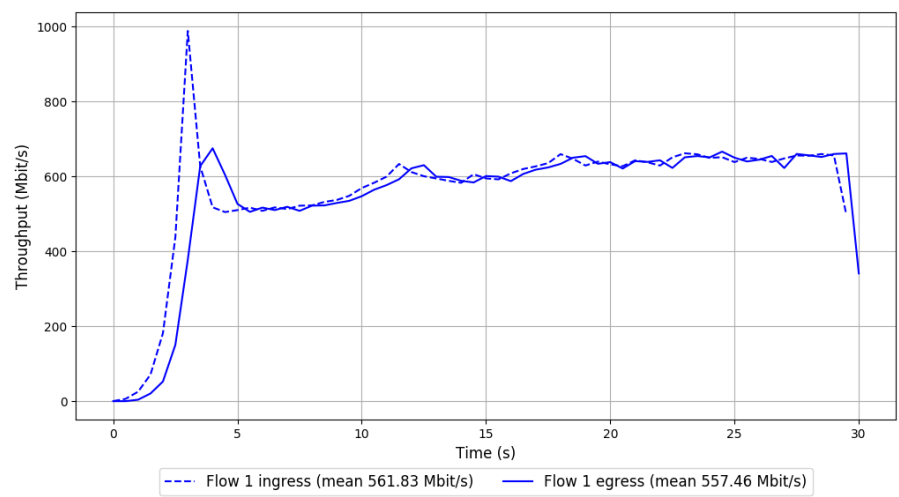
-- Flow 1:

Average throughput: 557.46 Mbit/s

95th percentile per-packet one-way delay: 127.882 ms

Loss rate: 1.52%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 17:01:32

End at: 2018-06-05 17:02:02

Local clock offset: -0.037 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-06-05 18:52:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.96 Mbit/s

95th percentile per-packet one-way delay: 235.447 ms

Loss rate: 2.83%

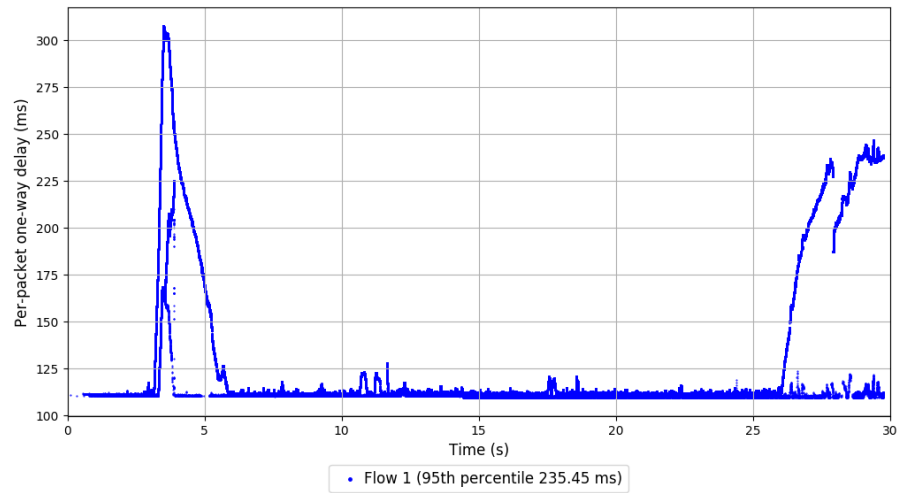
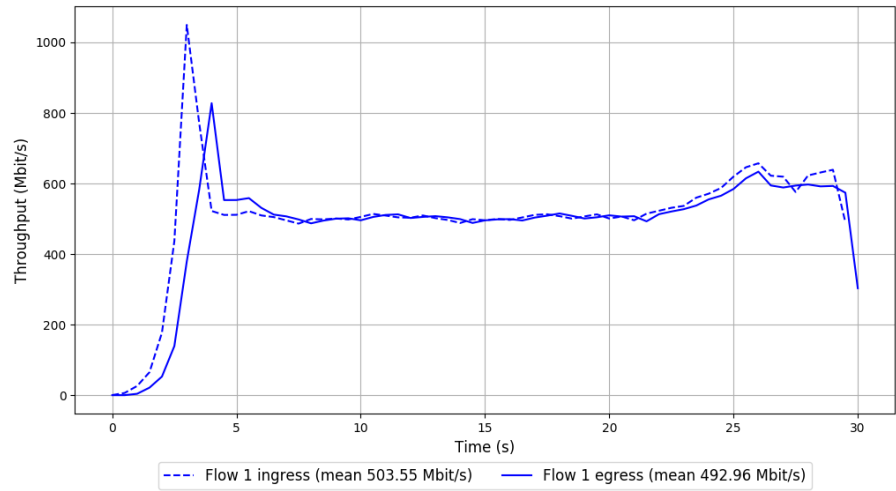
-- Flow 1:

Average throughput: 492.96 Mbit/s

95th percentile per-packet one-way delay: 235.447 ms

Loss rate: 2.83%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 17:22:21

End at: 2018-06-05 17:22:51

Local clock offset: -0.075 ms

Remote clock offset: 0.44 ms

Below is generated by plot.py at 2018-06-05 18:52:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 520.42 Mbit/s

95th percentile per-packet one-way delay: 207.822 ms

Loss rate: 2.18%

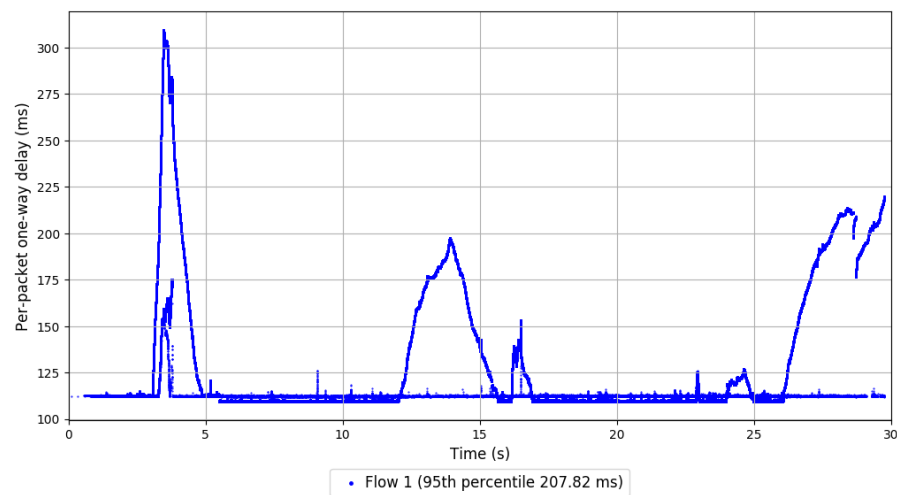
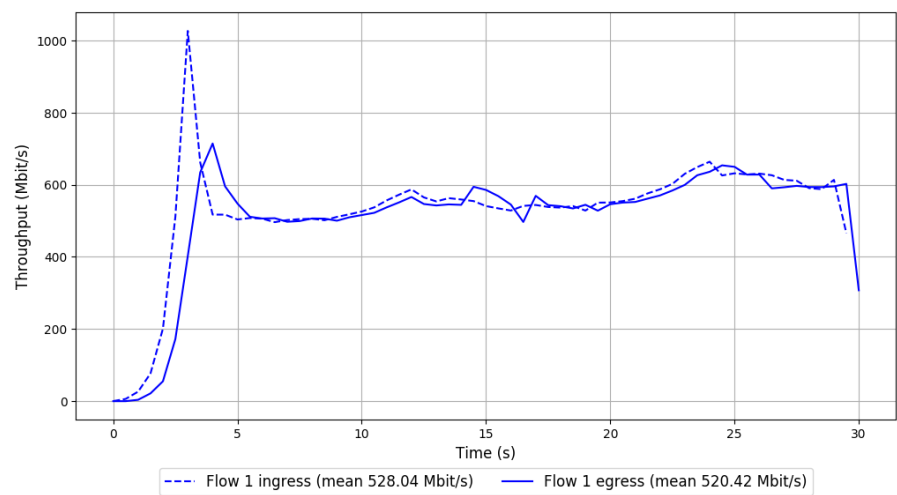
-- Flow 1:

Average throughput: 520.42 Mbit/s

95th percentile per-packet one-way delay: 207.822 ms

Loss rate: 2.18%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 17:43:04

End at: 2018-06-05 17:43:34

Local clock offset: -0.037 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-05 18:52:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.38 Mbit/s

95th percentile per-packet one-way delay: 128.786 ms

Loss rate: 1.51%

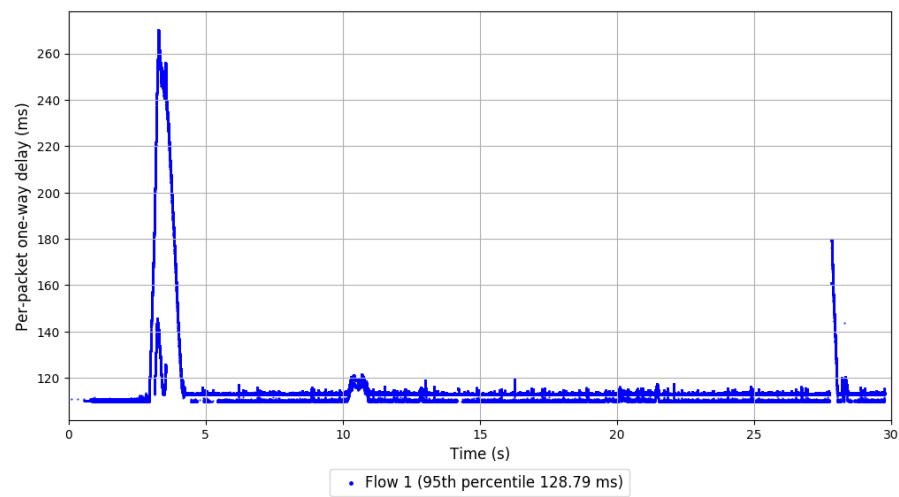
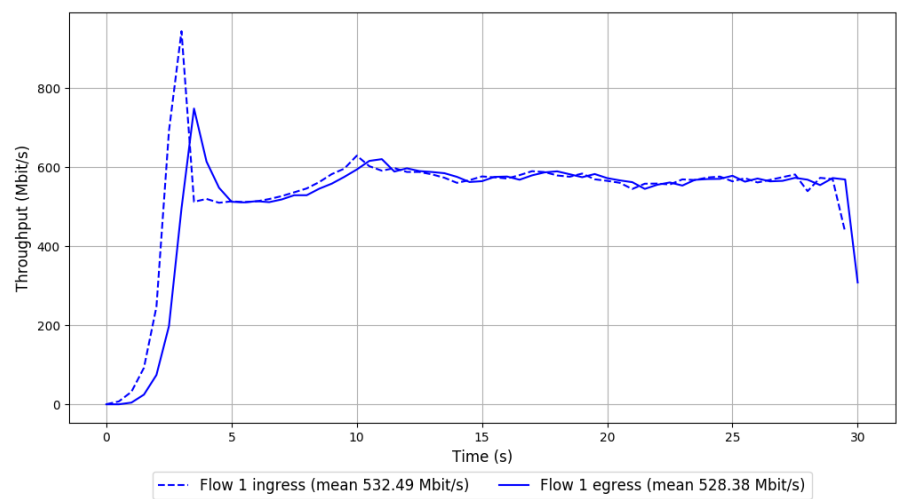
-- Flow 1:

Average throughput: 528.38 Mbit/s

95th percentile per-packet one-way delay: 128.786 ms

Loss rate: 1.51%

Run 10: Report of PCC-Allegro — Data Link

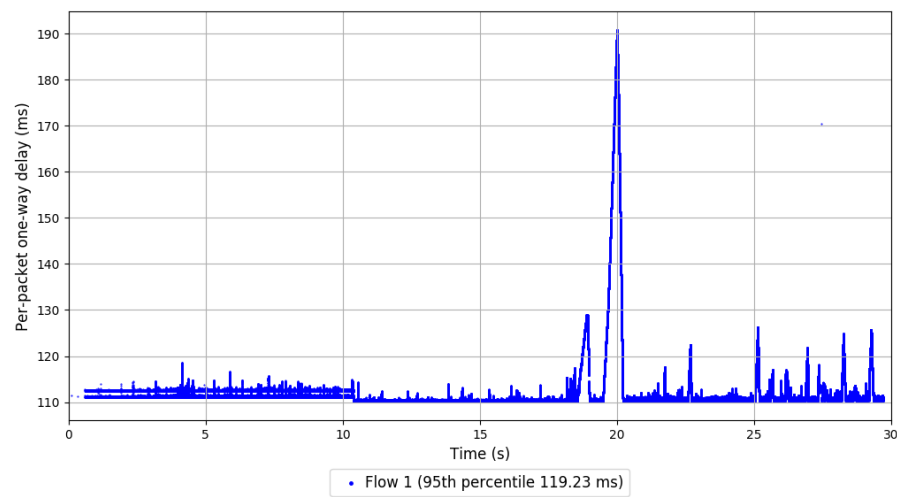
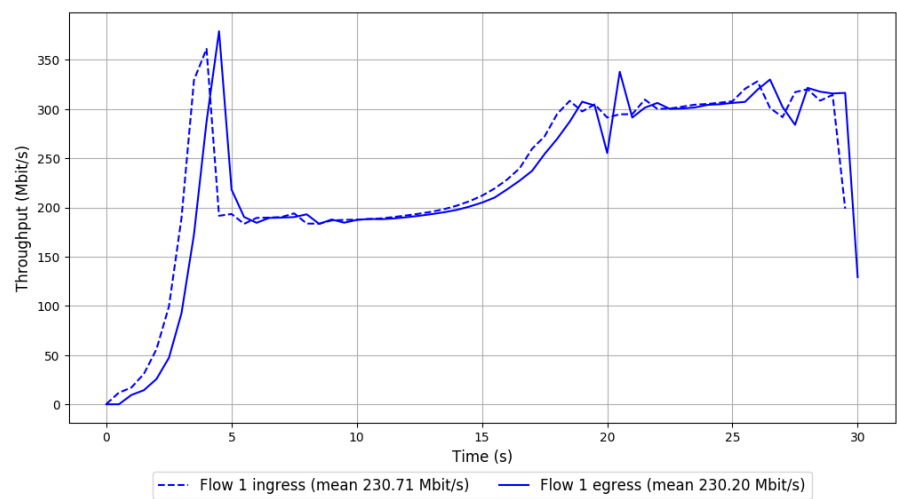


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 14:48:16
End at: 2018-06-05 14:48:46
Local clock offset: -0.459 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-06-05 18:52:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.20 Mbit/s
95th percentile per-packet one-way delay: 119.235 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 230.20 Mbit/s
95th percentile per-packet one-way delay: 119.235 ms
Loss rate: 0.97%
```

Run 1: Report of PCC-Expr — Data Link

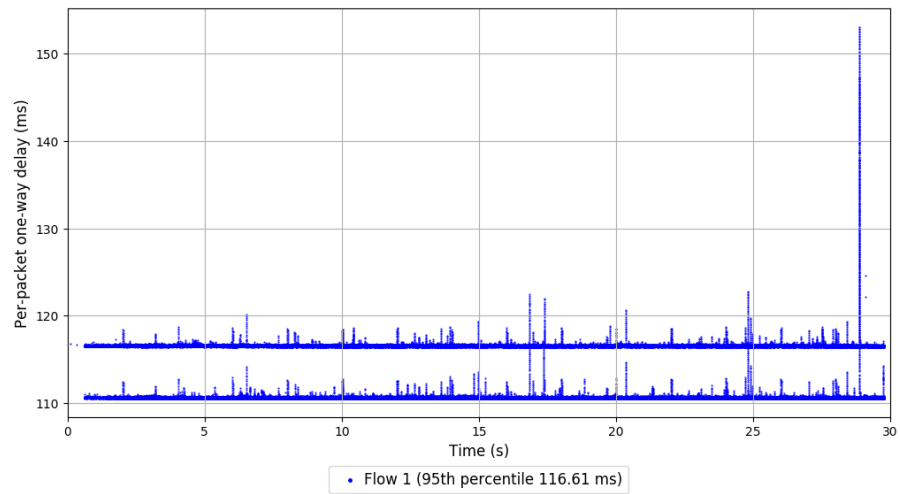
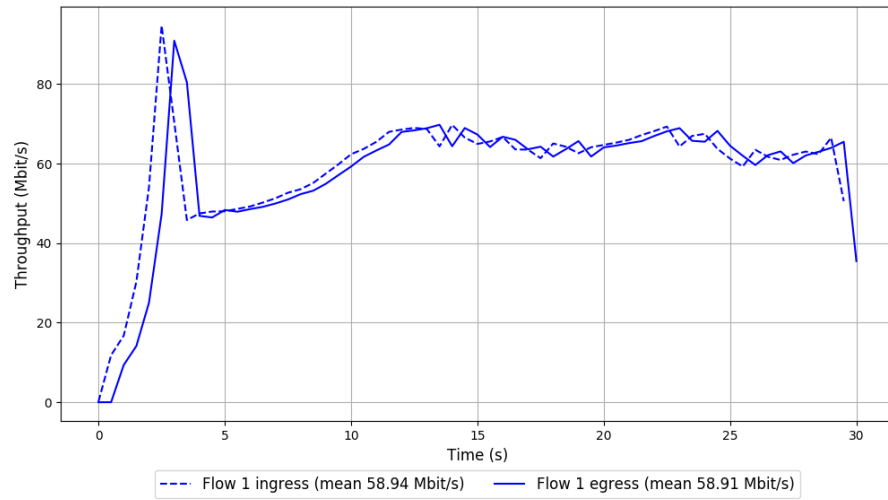


Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 15:08:57
End at: 2018-06-05 15:09:27
Local clock offset: -0.13 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-05 18:52:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 116.613 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 116.613 ms
Loss rate: 0.81%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 15:29:42

End at: 2018-06-05 15:30:12

Local clock offset: -0.032 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-05 18:52:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.21 Mbit/s

95th percentile per-packet one-way delay: 115.427 ms

Loss rate: 1.49%

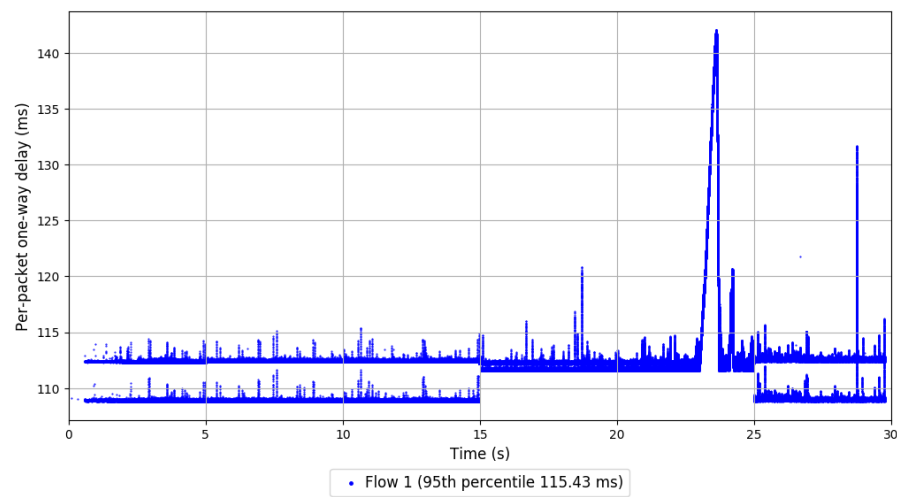
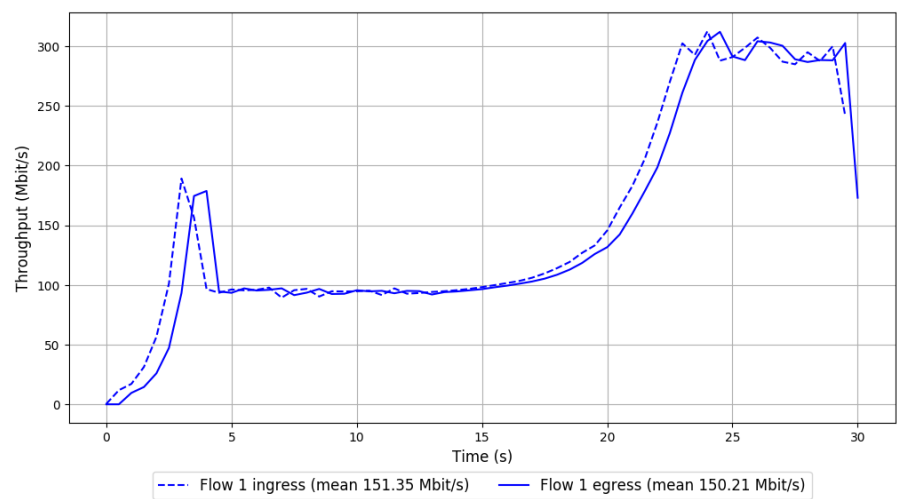
-- Flow 1:

Average throughput: 150.21 Mbit/s

95th percentile per-packet one-way delay: 115.427 ms

Loss rate: 1.49%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 15:50:10

End at: 2018-06-05 15:50:40

Local clock offset: 0.024 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-06-05 18:57:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.07 Mbit/s

95th percentile per-packet one-way delay: 222.199 ms

Loss rate: 2.76%

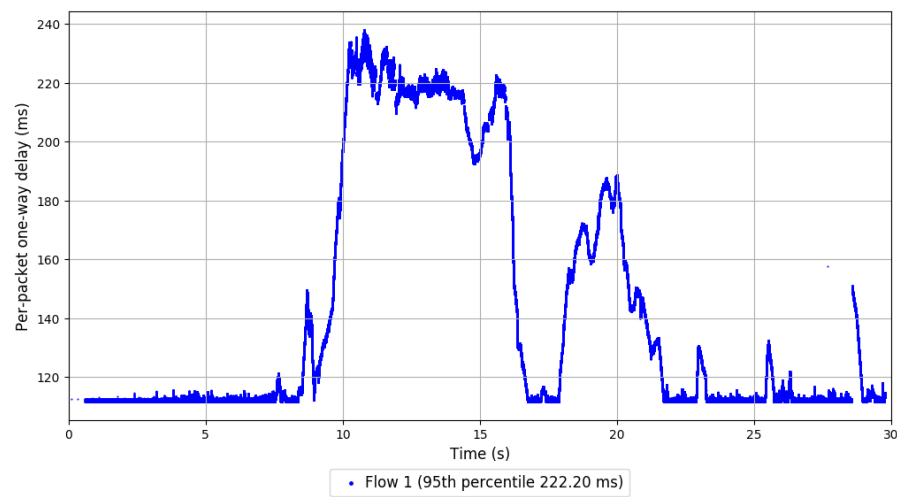
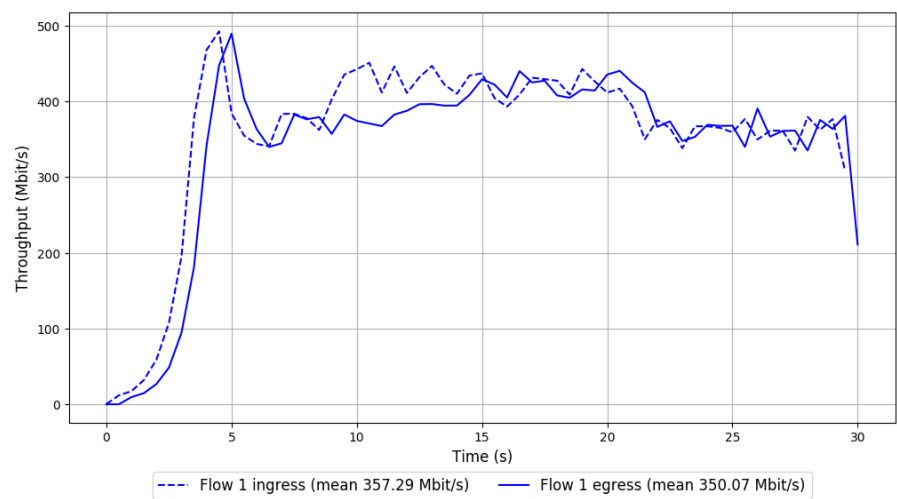
-- Flow 1:

Average throughput: 350.07 Mbit/s

95th percentile per-packet one-way delay: 222.199 ms

Loss rate: 2.76%

Run 4: Report of PCC-Expr — Data Link

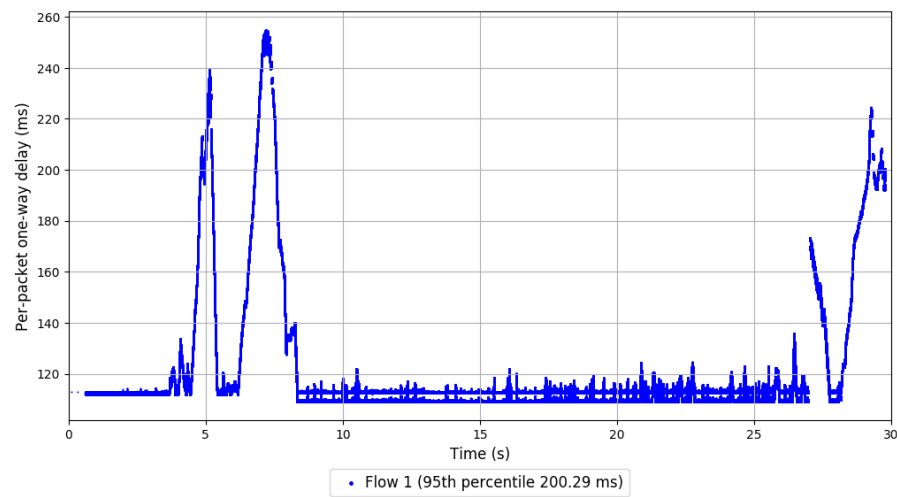
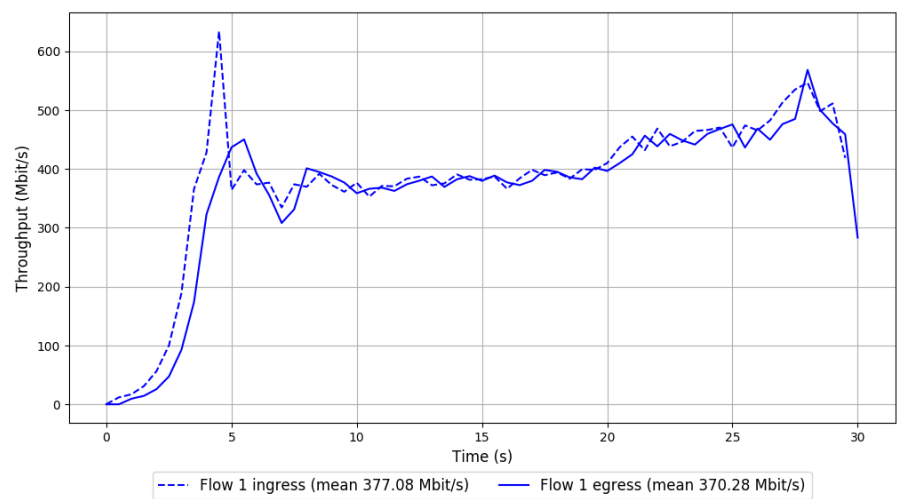


Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 16:11:09
End at: 2018-06-05 16:11:39
Local clock offset: -0.236 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-06-05 19:00:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 370.28 Mbit/s
95th percentile per-packet one-way delay: 200.293 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 370.28 Mbit/s
95th percentile per-packet one-way delay: 200.293 ms
Loss rate: 2.55%

Run 5: Report of PCC-Expr — Data Link

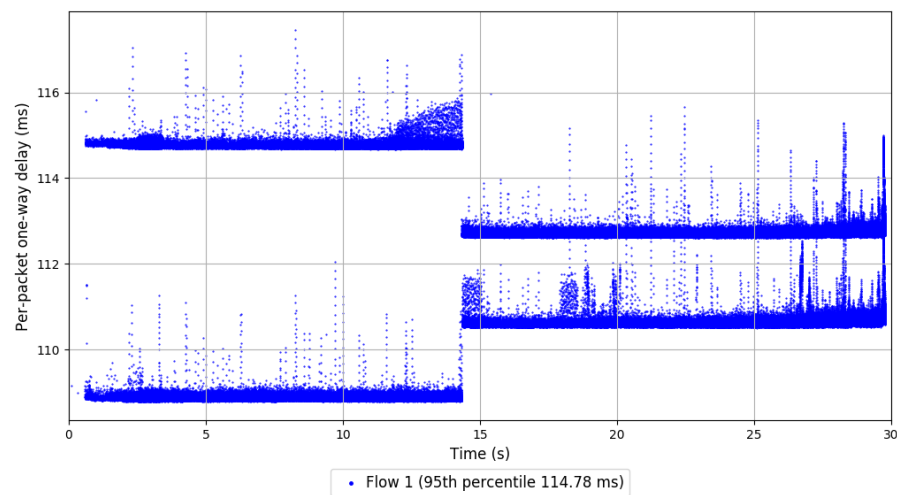
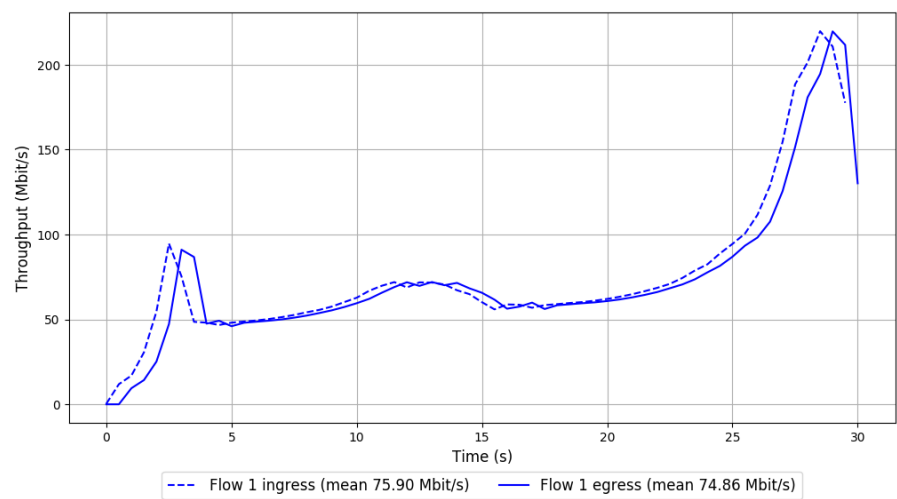


Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 16:32:02
End at: 2018-06-05 16:32:32
Local clock offset: -0.101 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-06-05 19:00:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.86 Mbit/s
95th percentile per-packet one-way delay: 114.785 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 74.86 Mbit/s
95th percentile per-packet one-way delay: 114.785 ms
Loss rate: 2.10%

Run 6: Report of PCC-Expr — Data Link

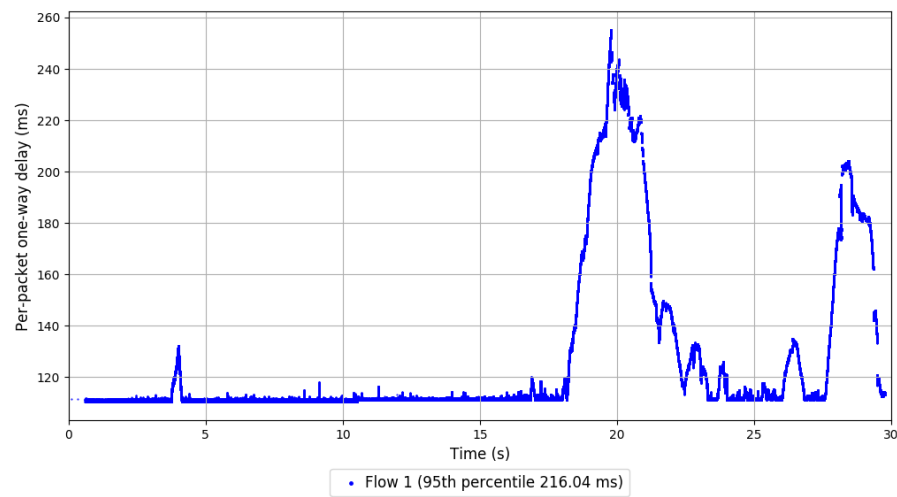
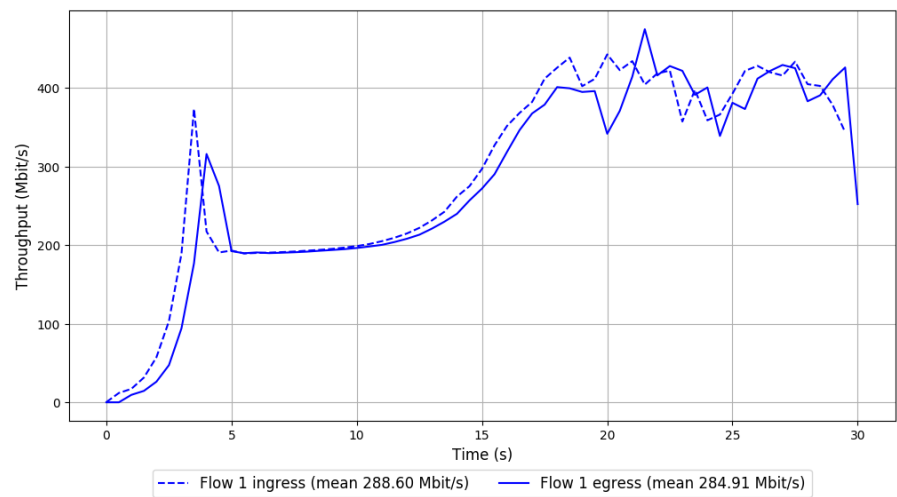


```
Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 16:52:26
End at: 2018-06-05 16:52:56
Local clock offset: -0.248 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-06-05 19:01:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 284.91 Mbit/s
95th percentile per-packet one-way delay: 216.043 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 284.91 Mbit/s
95th percentile per-packet one-way delay: 216.043 ms
Loss rate: 2.01%
```

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 17:13:17

End at: 2018-06-05 17:13:47

Local clock offset: -0.164 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.04 Mbit/s

95th percentile per-packet one-way delay: 149.933 ms

Loss rate: 2.19%

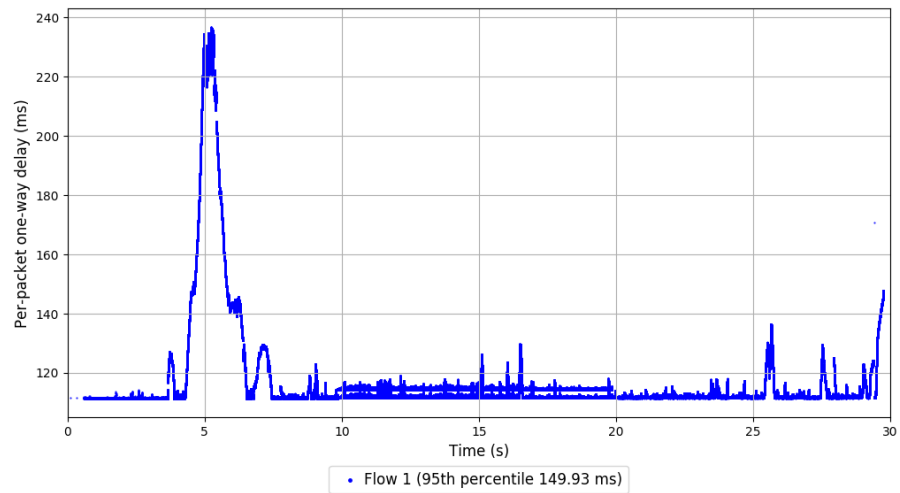
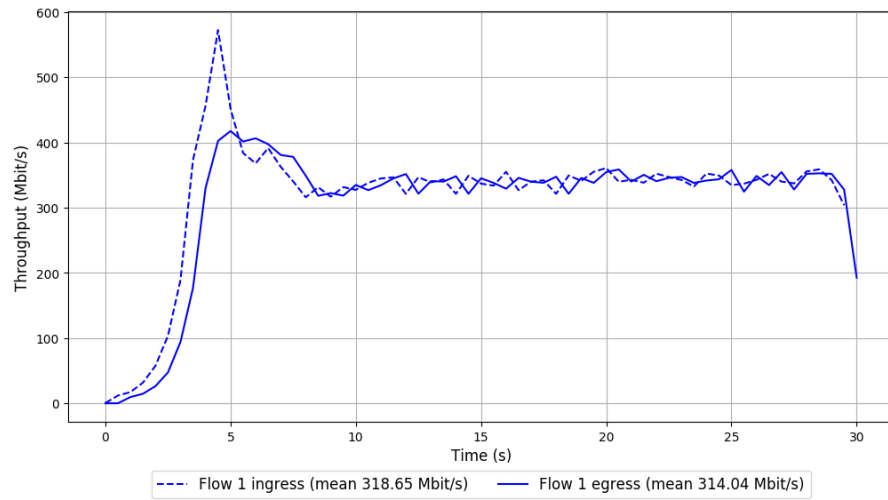
-- Flow 1:

Average throughput: 314.04 Mbit/s

95th percentile per-packet one-way delay: 149.933 ms

Loss rate: 2.19%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 17:34:17

End at: 2018-06-05 17:34:47

Local clock offset: -0.082 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.08 Mbit/s

95th percentile per-packet one-way delay: 112.822 ms

Loss rate: 0.72%

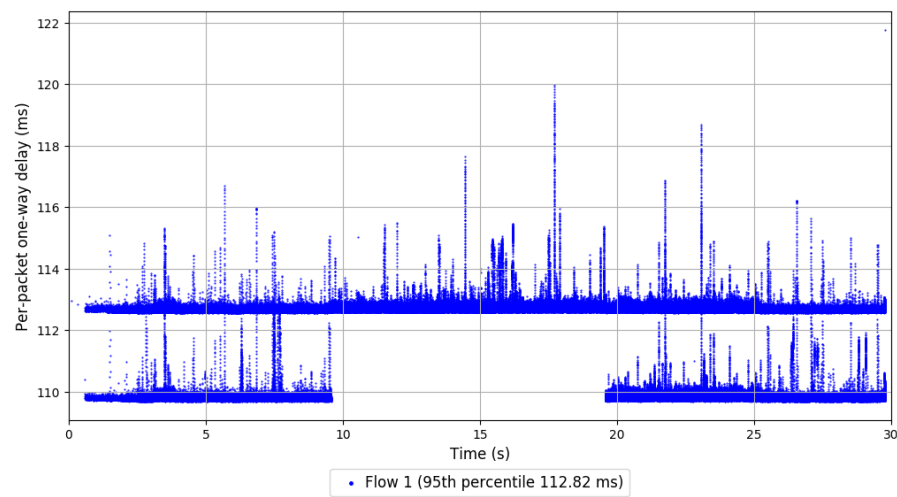
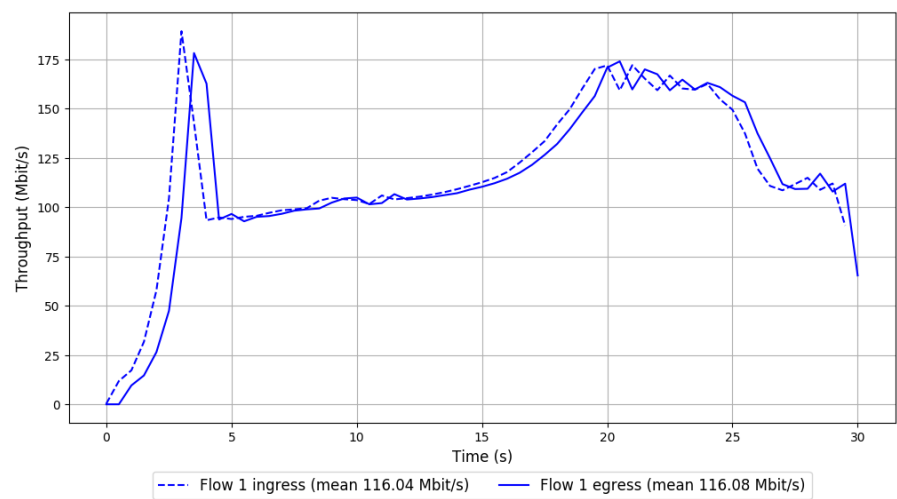
-- Flow 1:

Average throughput: 116.08 Mbit/s

95th percentile per-packet one-way delay: 112.822 ms

Loss rate: 0.72%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 17:54:45

End at: 2018-06-05 17:55:15

Local clock offset: -0.257 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.67 Mbit/s

95th percentile per-packet one-way delay: 112.371 ms

Loss rate: 0.90%

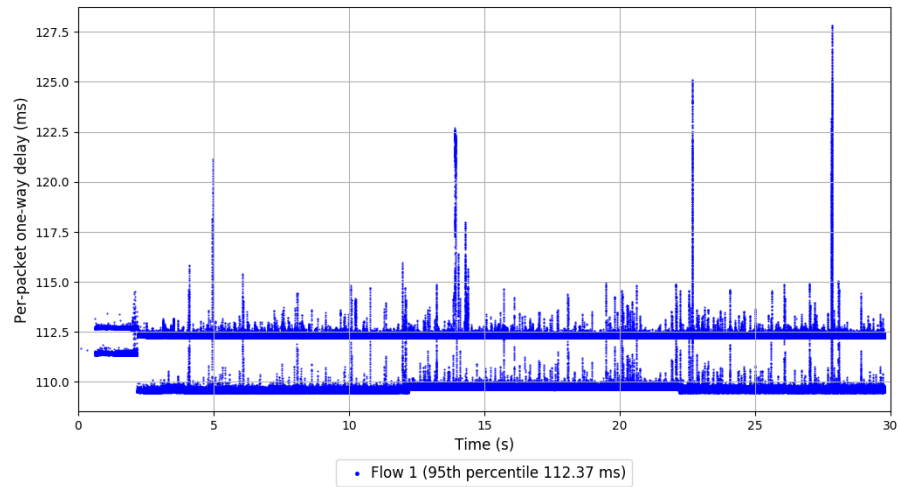
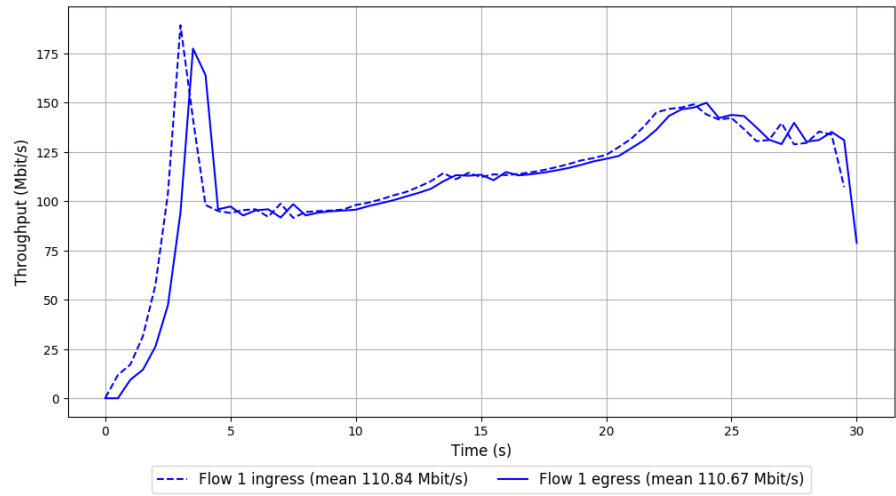
-- Flow 1:

Average throughput: 110.67 Mbit/s

95th percentile per-packet one-way delay: 112.371 ms

Loss rate: 0.90%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

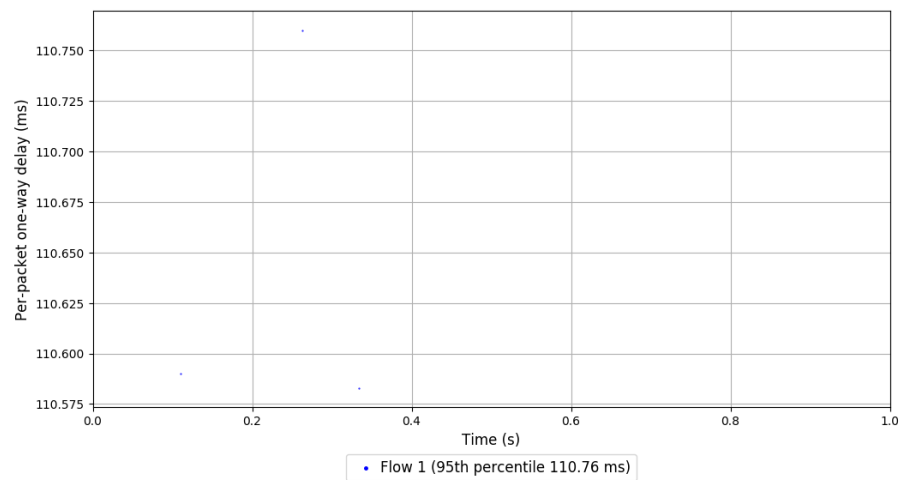
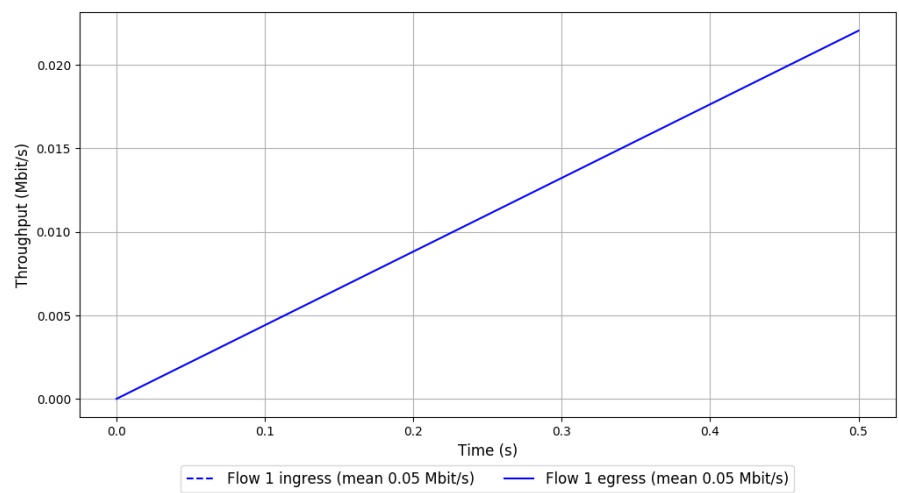
Start at: 2018-06-05 14:33:58

End at: 2018-06-05 14:34:28

Local clock offset: -0.491 ms

Remote clock offset: -0.154 ms

Run 1: Report of QUIC Cubic — Data Link

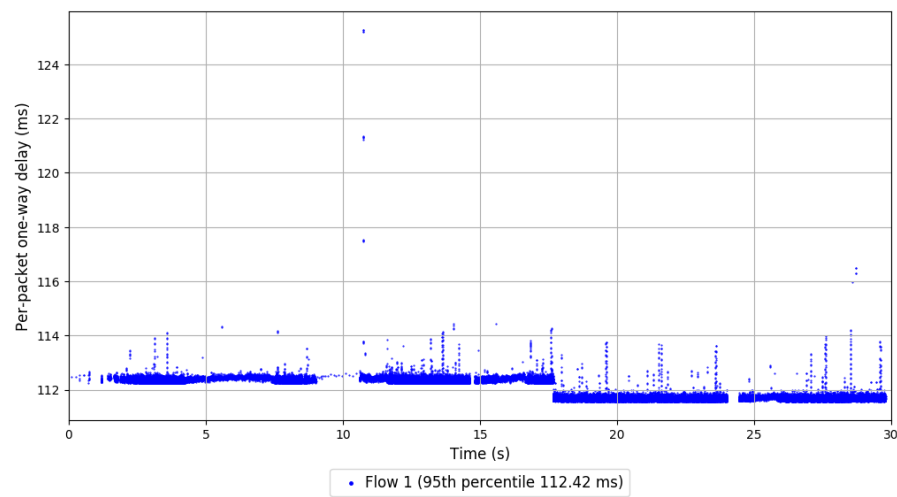
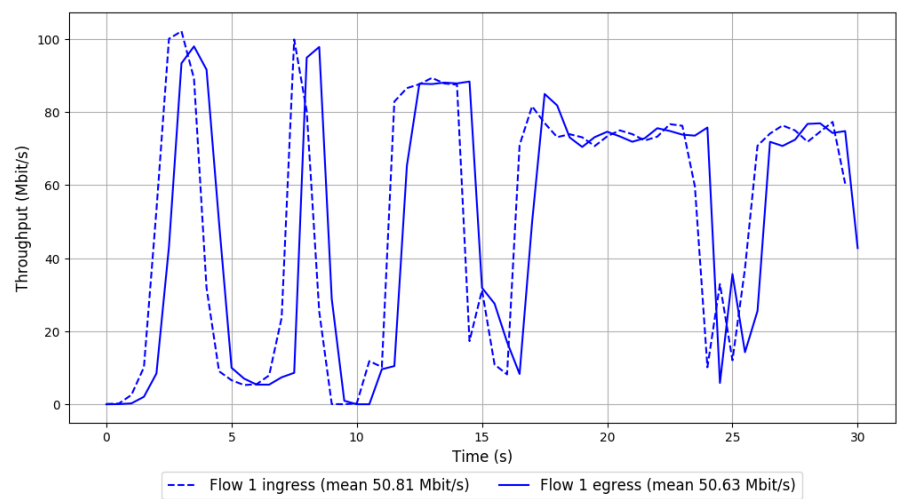


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 14:54:29
End at: 2018-06-05 14:54:59
Local clock offset: -0.466 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-06-05 19:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 112.425 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 112.425 ms
Loss rate: 1.11%

Run 2: Report of QUIC Cubic — Data Link

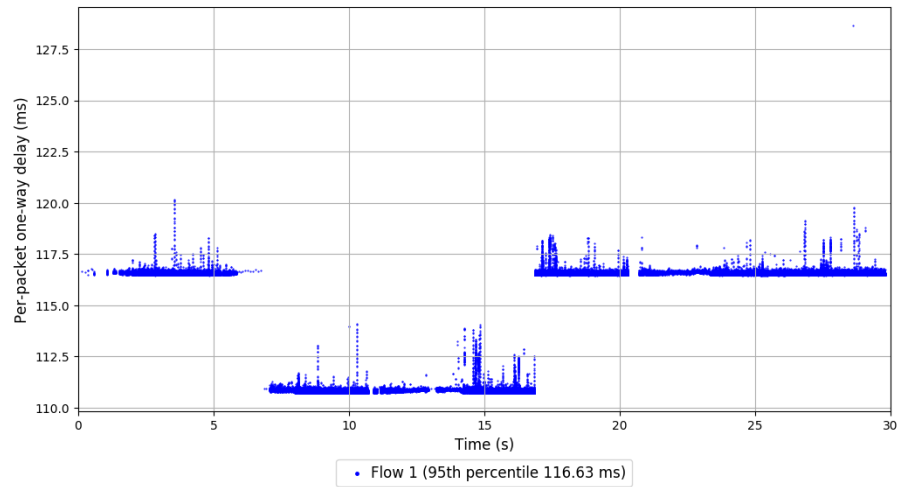
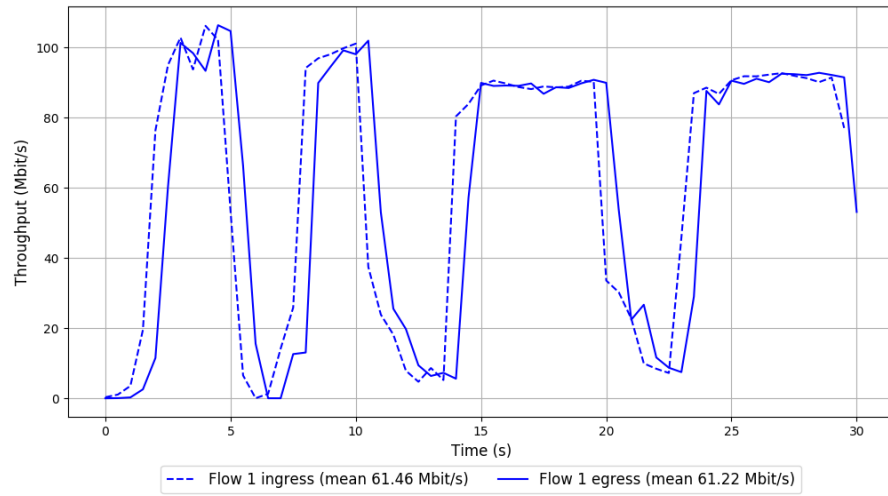


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 15:15:10
End at: 2018-06-05 15:15:40
Local clock offset: -0.092 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-05 19:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.22 Mbit/s
95th percentile per-packet one-way delay: 116.634 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 61.22 Mbit/s
95th percentile per-packet one-way delay: 116.634 ms
Loss rate: 1.15%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 15:35:47

End at: 2018-06-05 15:36:17

Local clock offset: -0.099 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 112.160 ms

Loss rate: 1.01%

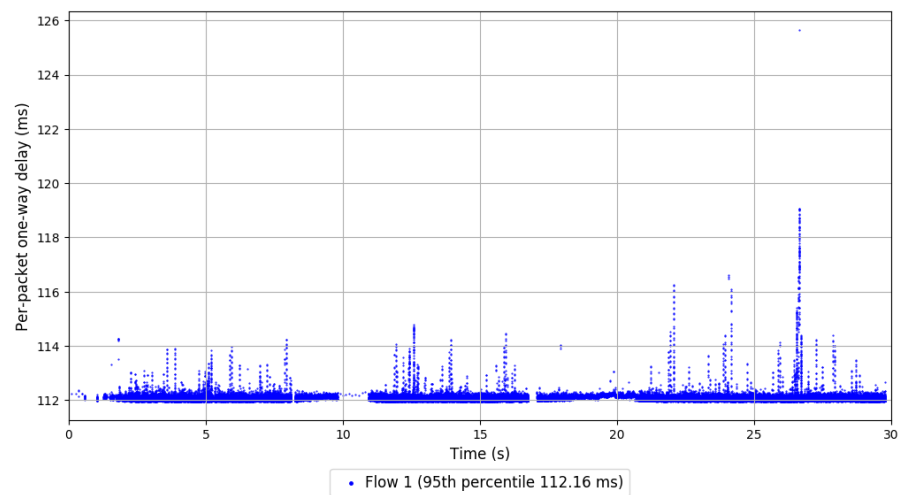
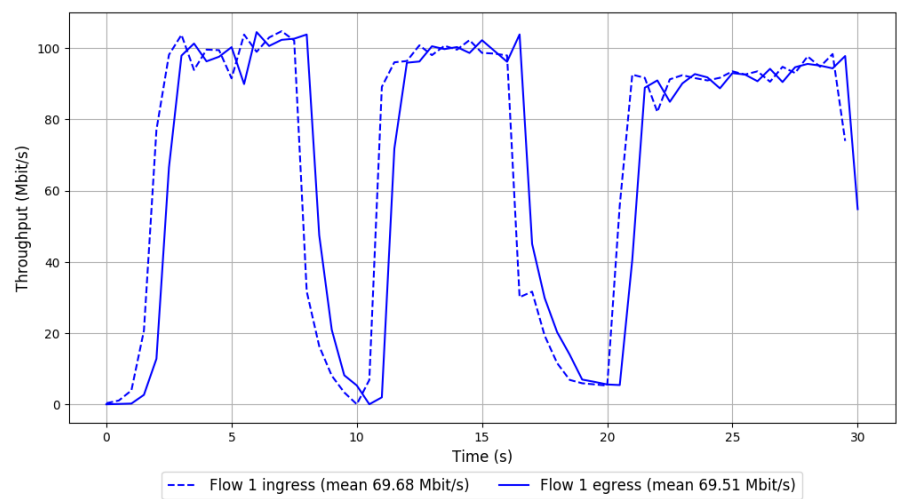
-- Flow 1:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 112.160 ms

Loss rate: 1.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 15:56:41

End at: 2018-06-05 15:57:12

Local clock offset: -0.193 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.17 Mbit/s

95th percentile per-packet one-way delay: 110.548 ms

Loss rate: 1.14%

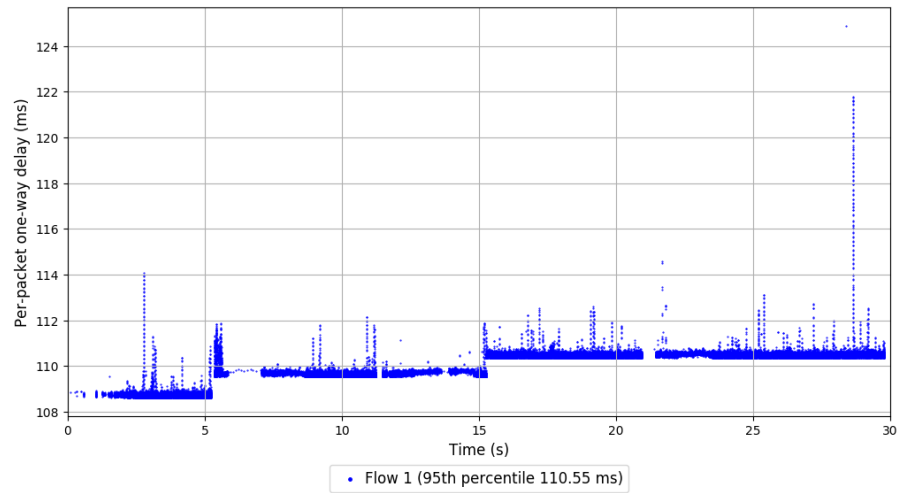
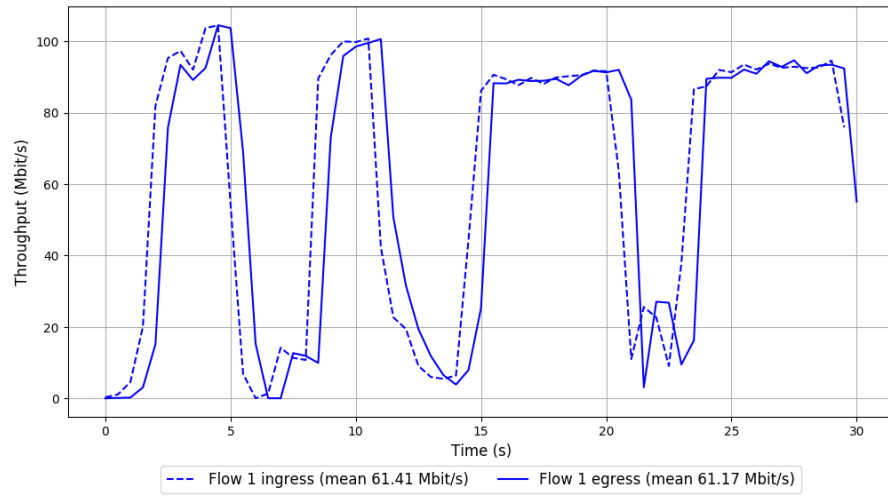
-- Flow 1:

Average throughput: 61.17 Mbit/s

95th percentile per-packet one-way delay: 110.548 ms

Loss rate: 1.14%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 16:17:38

End at: 2018-06-05 16:18:08

Local clock offset: -0.105 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.19 Mbit/s

95th percentile per-packet one-way delay: 112.699 ms

Loss rate: 1.00%

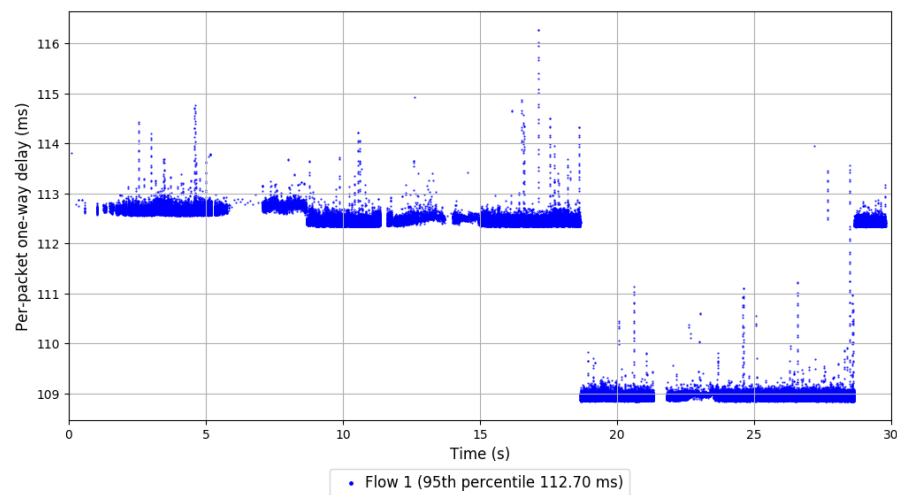
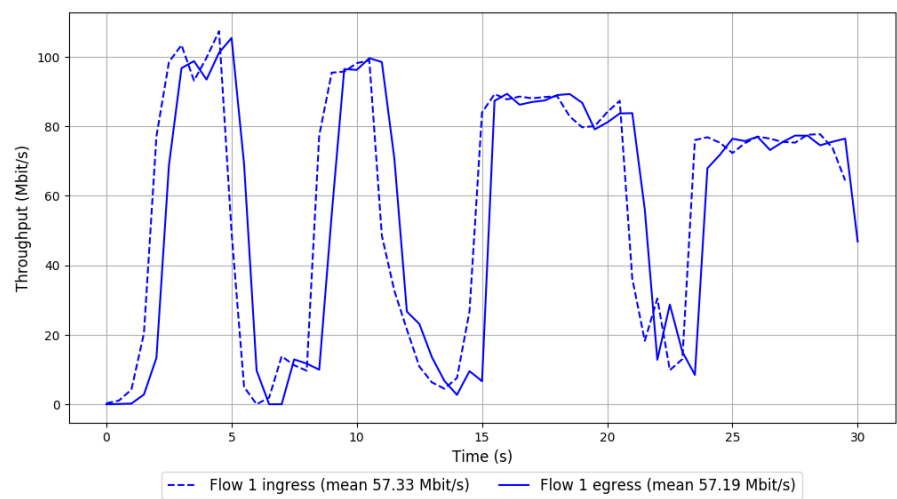
-- Flow 1:

Average throughput: 57.19 Mbit/s

95th percentile per-packet one-way delay: 112.699 ms

Loss rate: 1.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 16:38:05

End at: 2018-06-05 16:38:35

Local clock offset: -0.221 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.14 Mbit/s

95th percentile per-packet one-way delay: 112.717 ms

Loss rate: 1.11%

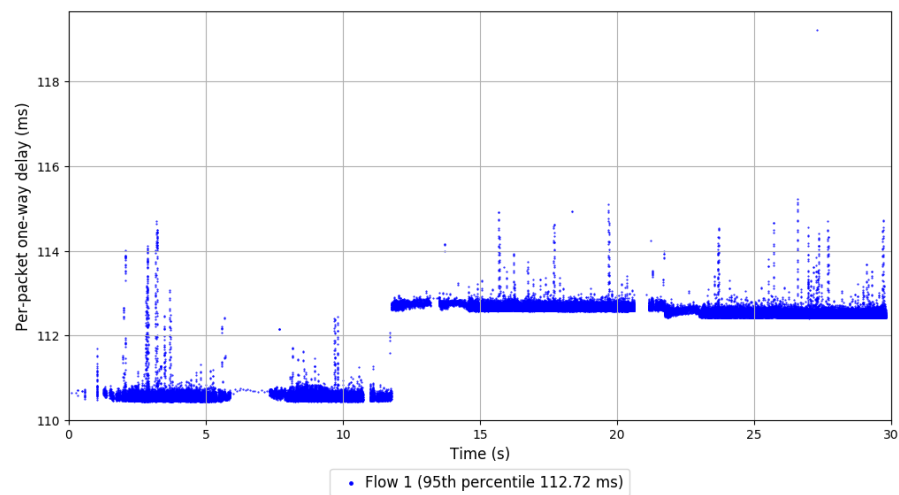
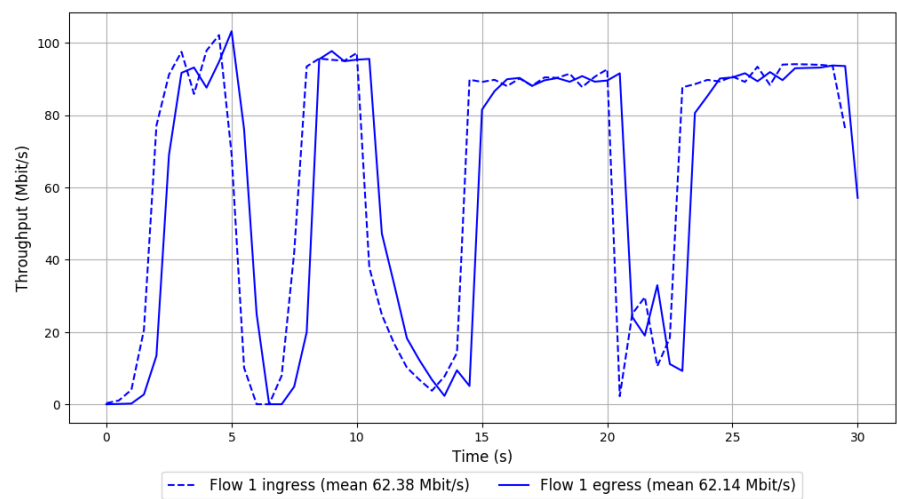
-- Flow 1:

Average throughput: 62.14 Mbit/s

95th percentile per-packet one-way delay: 112.717 ms

Loss rate: 1.11%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-05 16:58:48

End at: 2018-06-05 16:59:18

Local clock offset: -0.178 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.51 Mbit/s

95th percentile per-packet one-way delay: 112.371 ms

Loss rate: 1.03%

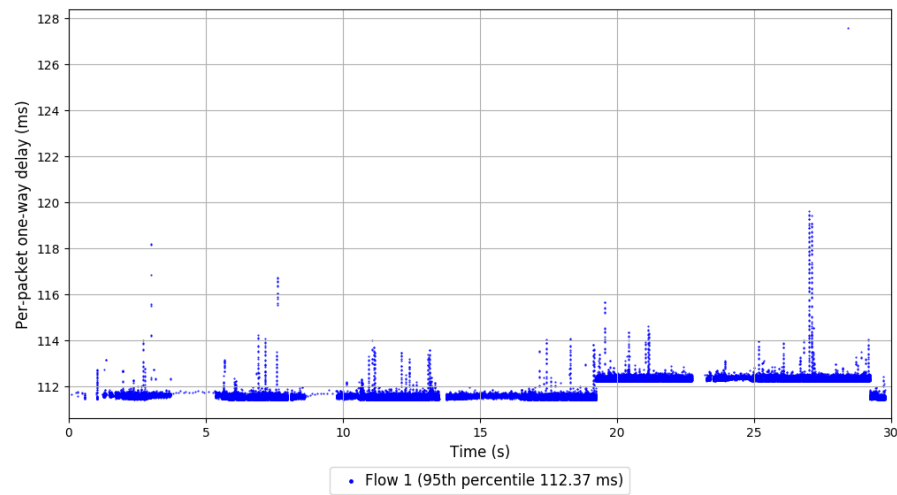
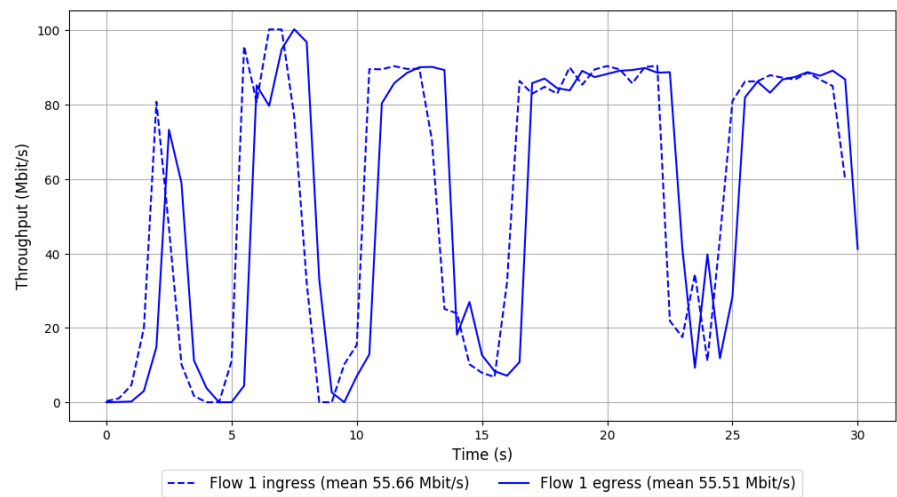
-- Flow 1:

Average throughput: 55.51 Mbit/s

95th percentile per-packet one-way delay: 112.371 ms

Loss rate: 1.03%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-05 17:19:42

End at: 2018-06-05 17:20:12

Local clock offset: -0.178 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.66 Mbit/s

95th percentile per-packet one-way delay: 112.624 ms

Loss rate: 1.15%

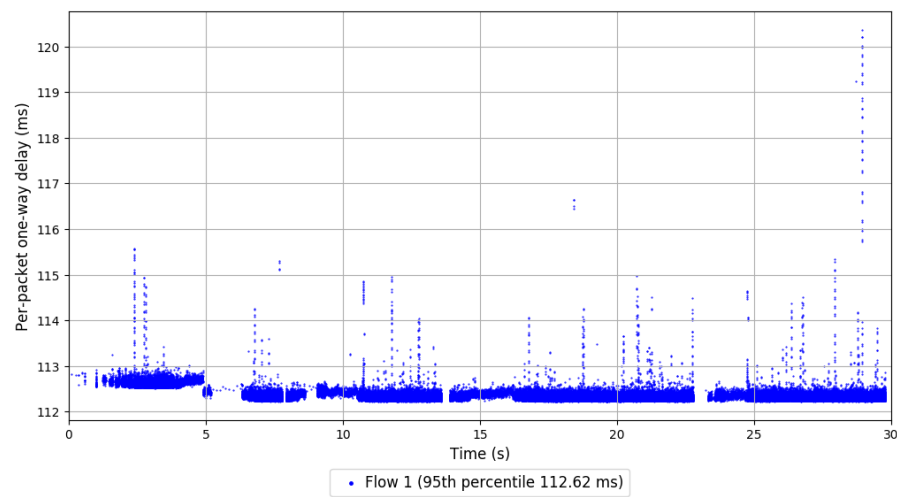
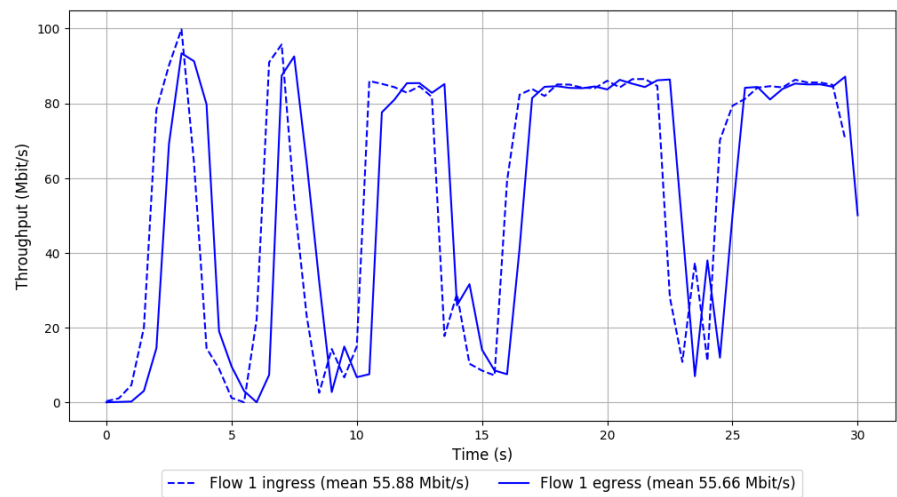
-- Flow 1:

Average throughput: 55.66 Mbit/s

95th percentile per-packet one-way delay: 112.624 ms

Loss rate: 1.15%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-05 17:40:19

End at: 2018-06-05 17:40:49

Local clock offset: 0.085 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.59 Mbit/s

95th percentile per-packet one-way delay: 113.092 ms

Loss rate: 1.15%

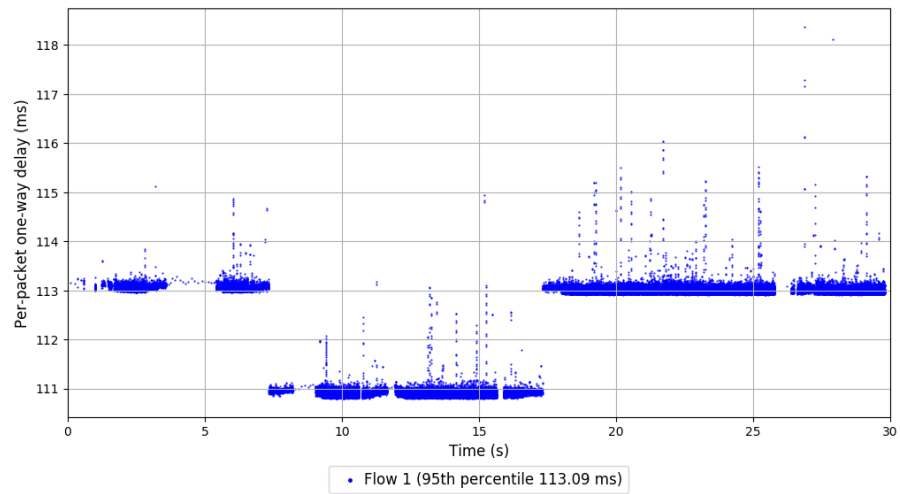
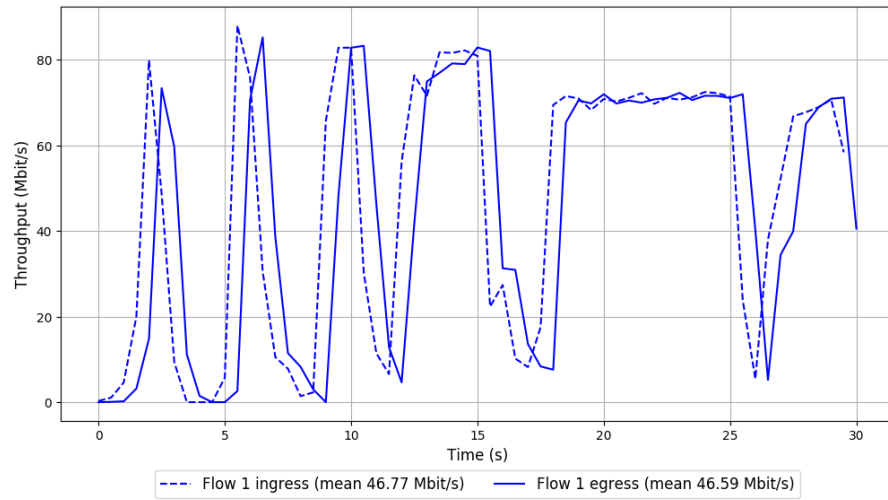
-- Flow 1:

Average throughput: 46.59 Mbit/s

95th percentile per-packet one-way delay: 113.092 ms

Loss rate: 1.15%

Run 10: Report of QUIC Cubic — Data Link

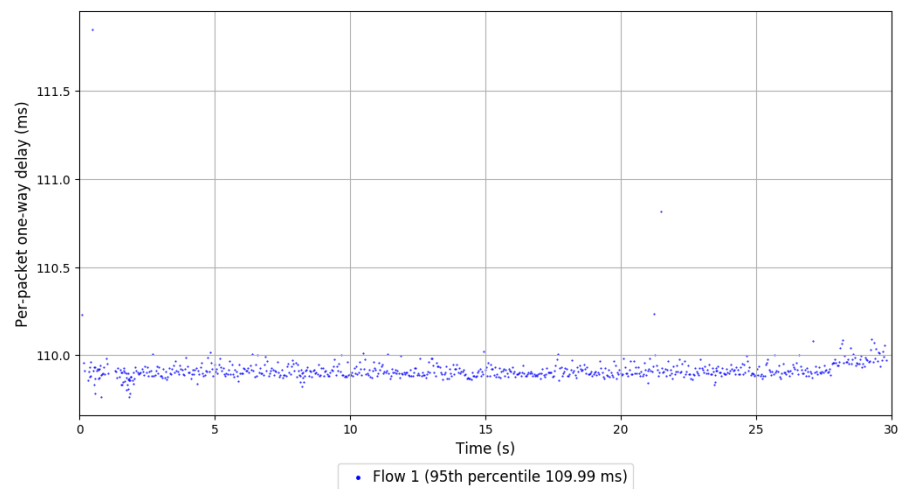
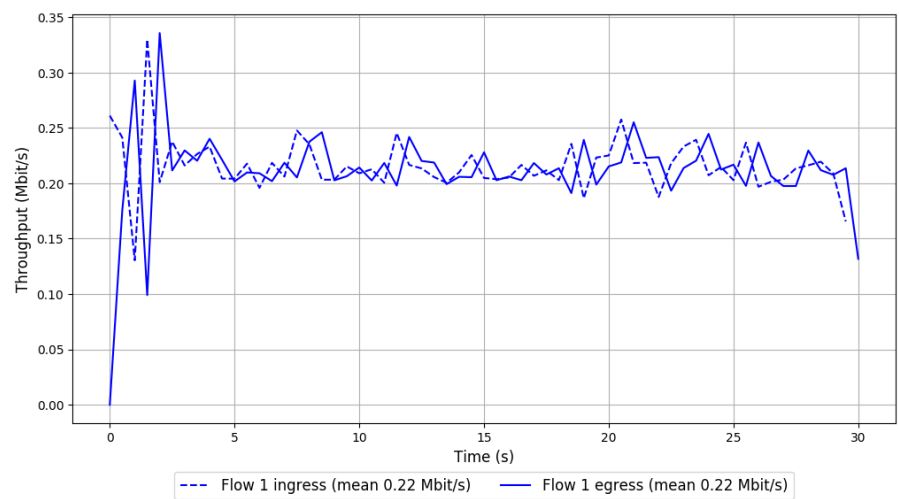


Run 1: Statistics of SCReAM

Start at: 2018-06-05 14:47:09
End at: 2018-06-05 14:47:39
Local clock offset: 0.004 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-05 19:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.987 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.987 ms
Loss rate: 0.64%

Run 1: Report of SReAM — Data Link

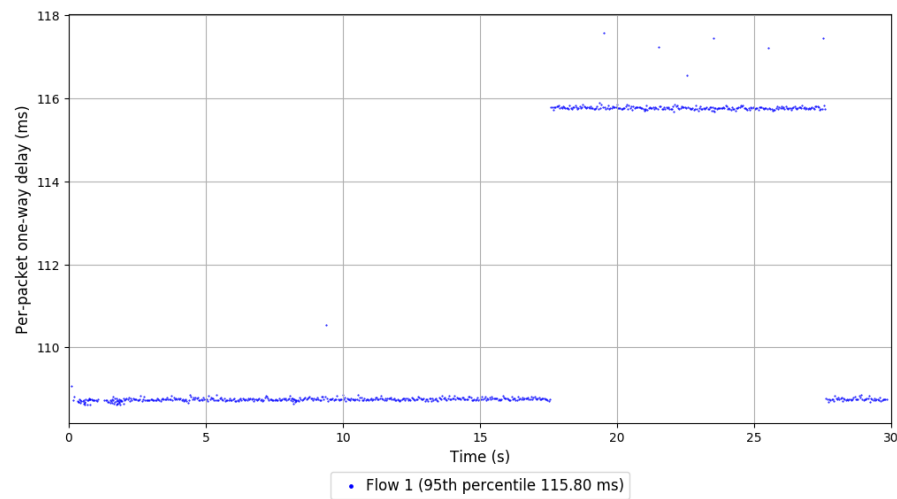
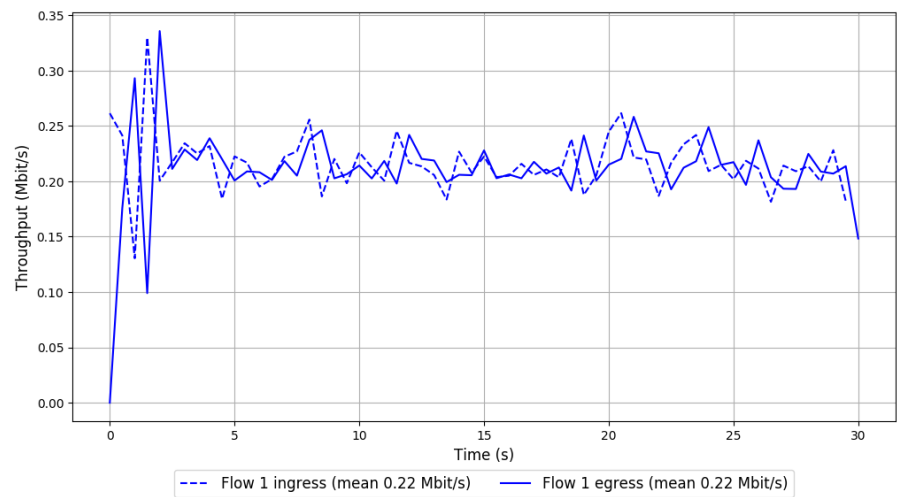


Run 2: Statistics of SCReAM

Start at: 2018-06-05 15:07:49
End at: 2018-06-05 15:08:19
Local clock offset: -0.434 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-05 19:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 115.802 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 115.802 ms
Loss rate: 0.64%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-05 15:28:34

End at: 2018-06-05 15:29:04

Local clock offset: 0.1 ms

Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.708 ms

Loss rate: 0.76%

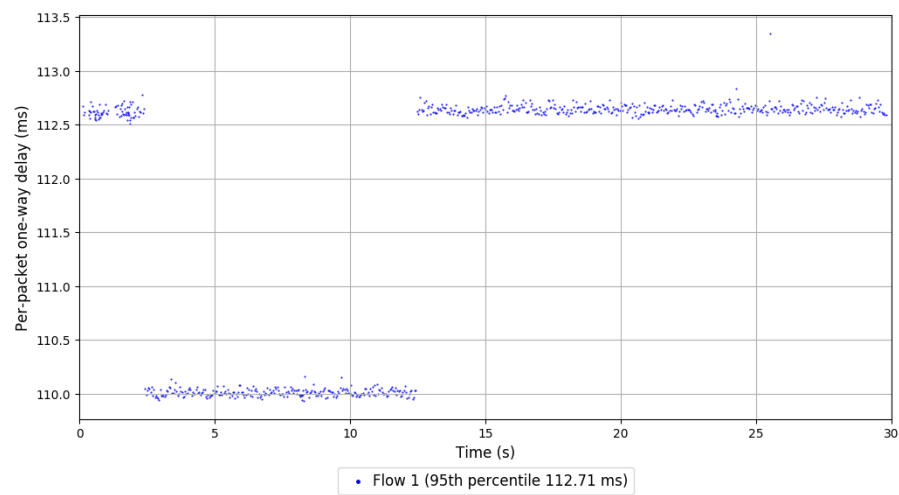
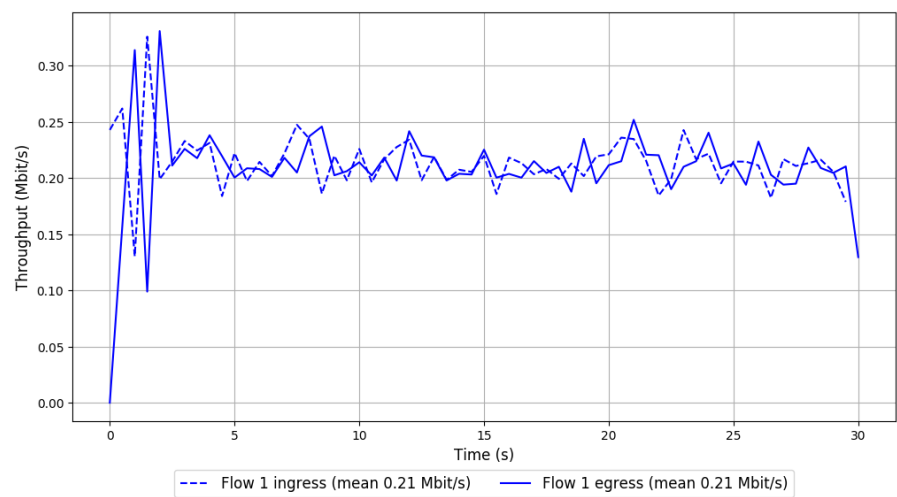
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.708 ms

Loss rate: 0.76%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-06-05 15:49:03

End at: 2018-06-05 15:49:33

Local clock offset: 0.073 ms

Remote clock offset: 0.434 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.368 ms

Loss rate: 0.76%

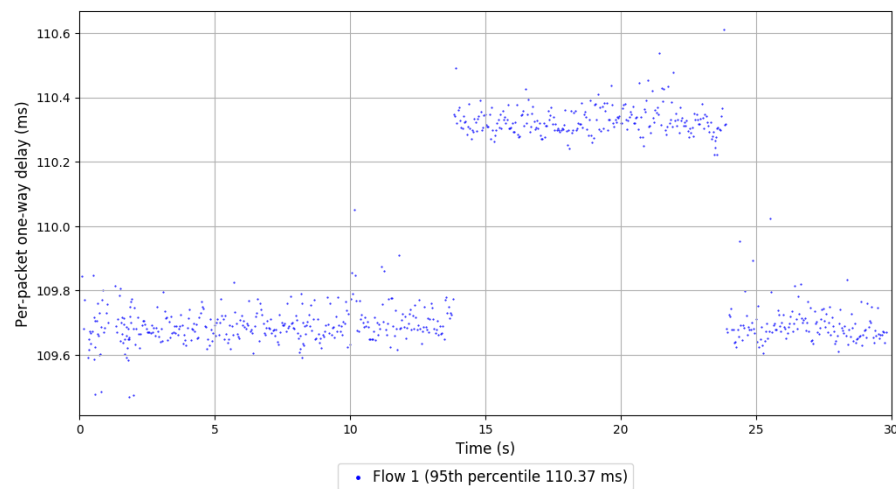
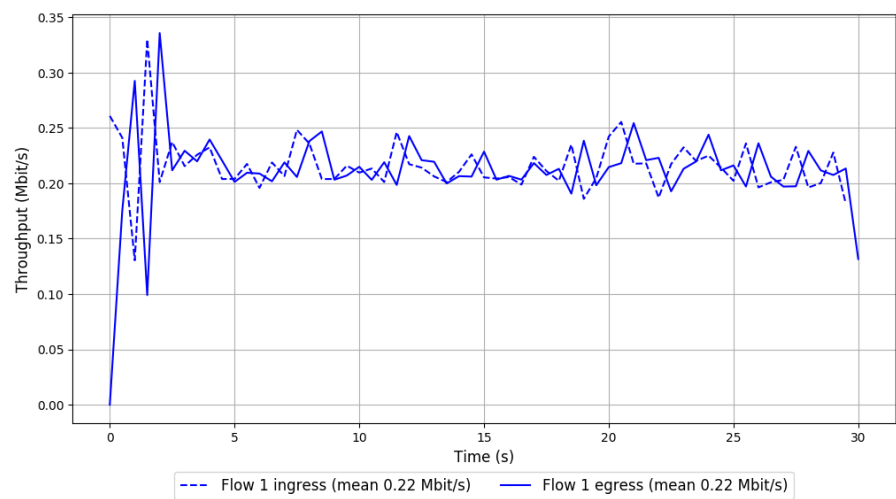
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.368 ms

Loss rate: 0.76%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-05 16:10:01

End at: 2018-06-05 16:10:31

Local clock offset: -0.021 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 112.350 ms

Loss rate: 0.61%

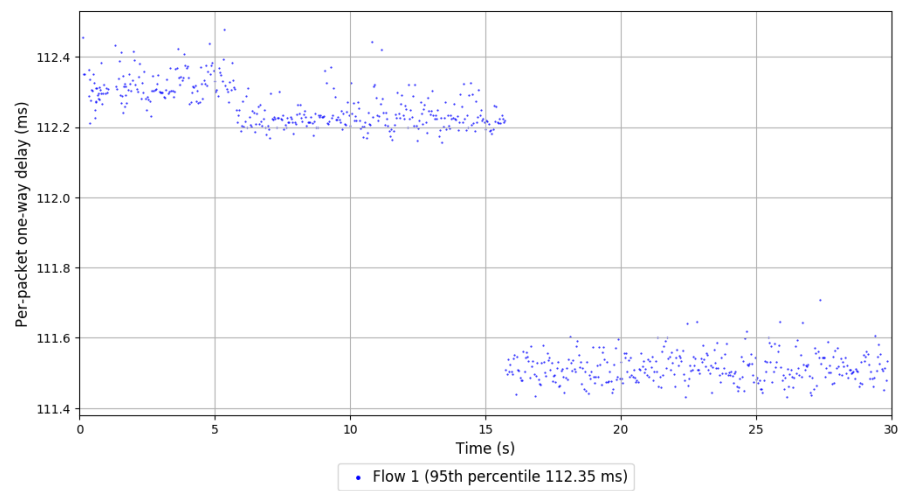
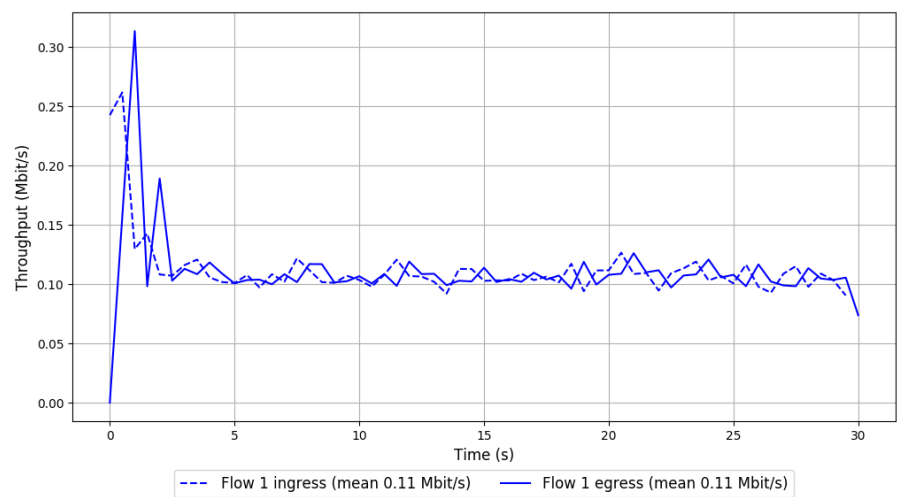
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 112.350 ms

Loss rate: 0.61%

Run 5: Report of SReAM — Data Link

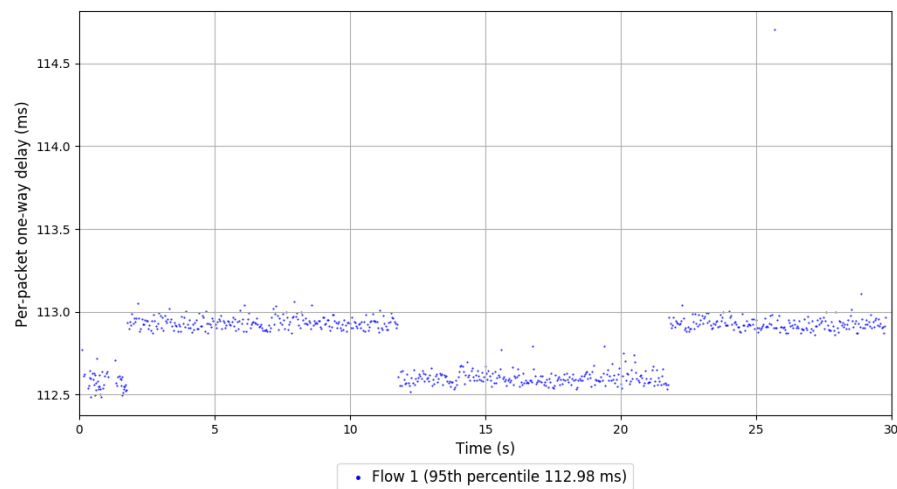
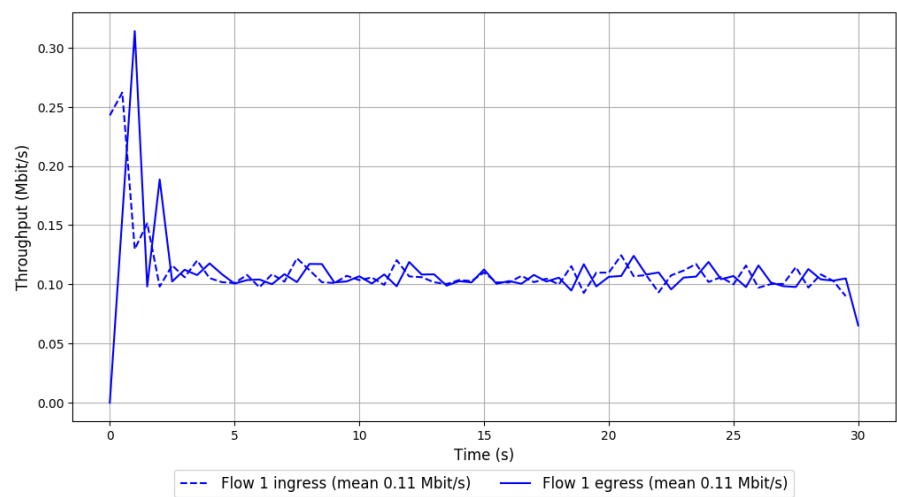


Run 6: Statistics of SCReAM

Start at: 2018-06-05 16:30:55
End at: 2018-06-05 16:31:25
Local clock offset: -0.086 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-06-05 19:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 112.983 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 112.983 ms
Loss rate: 0.73%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-05 16:51:19

End at: 2018-06-05 16:51:49

Local clock offset: -0.29 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.748 ms

Loss rate: 0.76%

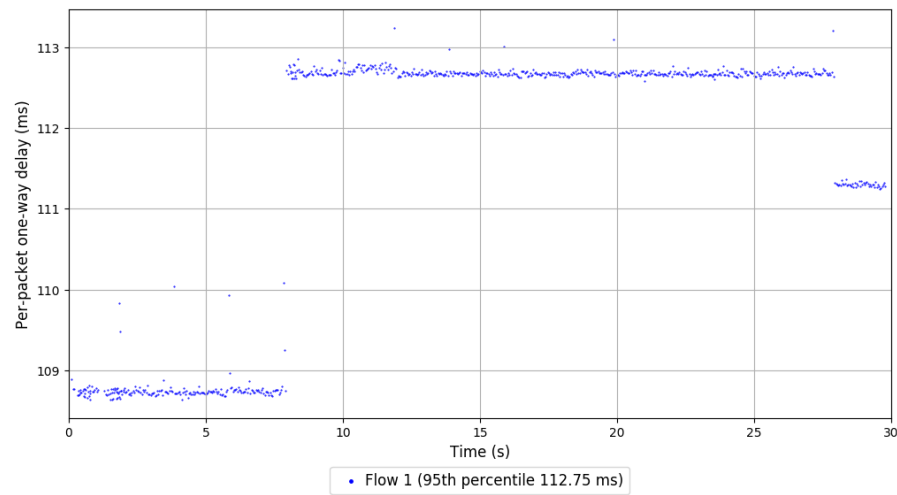
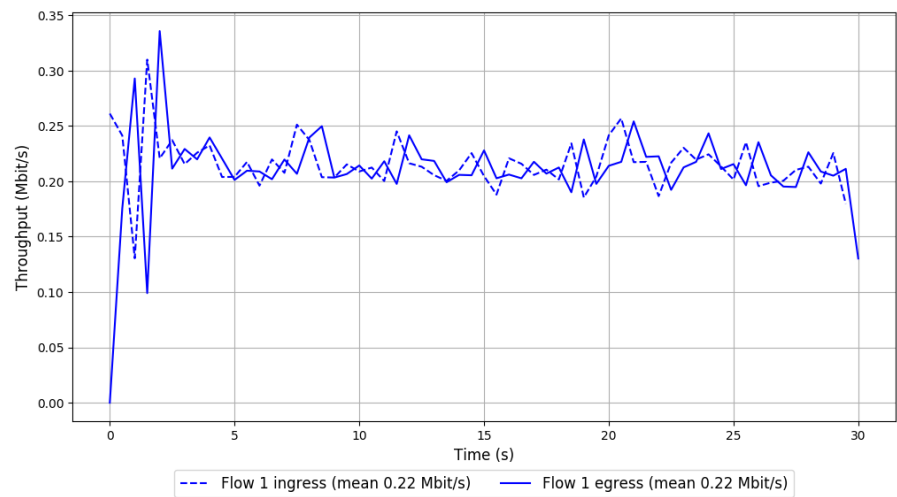
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.748 ms

Loss rate: 0.76%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-05 17:12:09

End at: 2018-06-05 17:12:39

Local clock offset: -0.21 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.463 ms

Loss rate: 0.63%

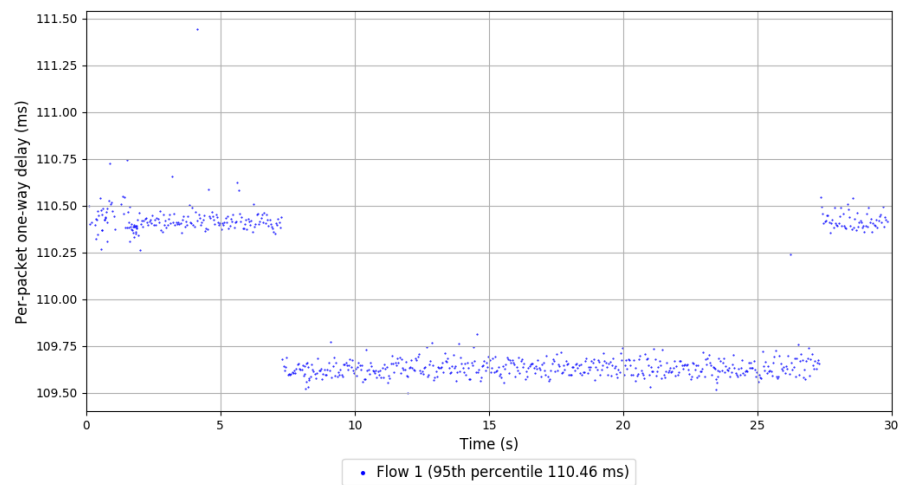
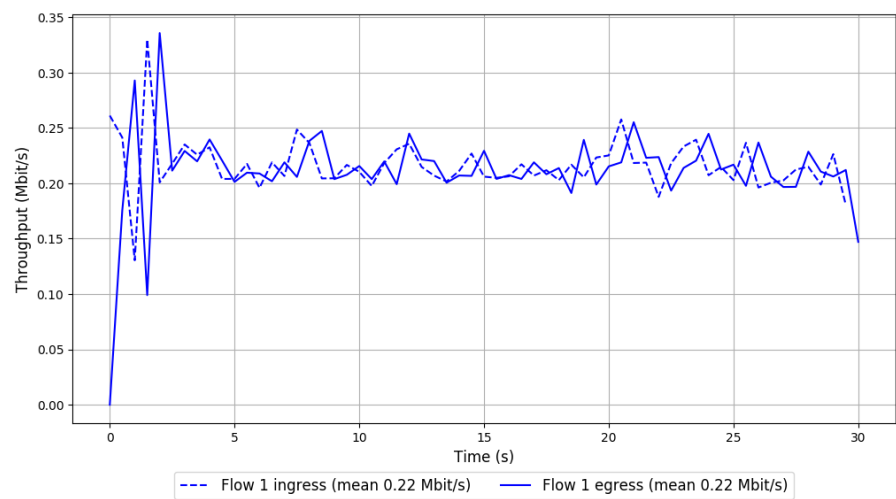
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.463 ms

Loss rate: 0.63%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-05 17:33:10

End at: 2018-06-05 17:33:40

Local clock offset: -0.254 ms

Remote clock offset: 0.391 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 110.500 ms

Loss rate: 0.73%

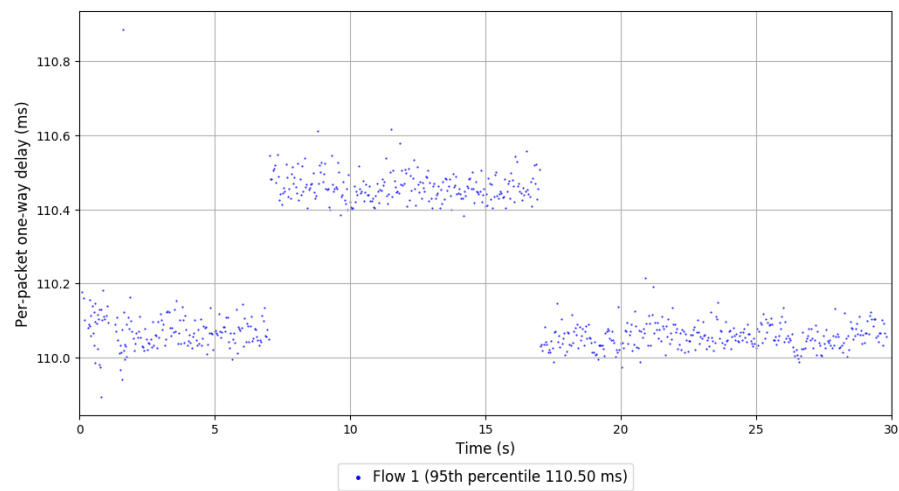
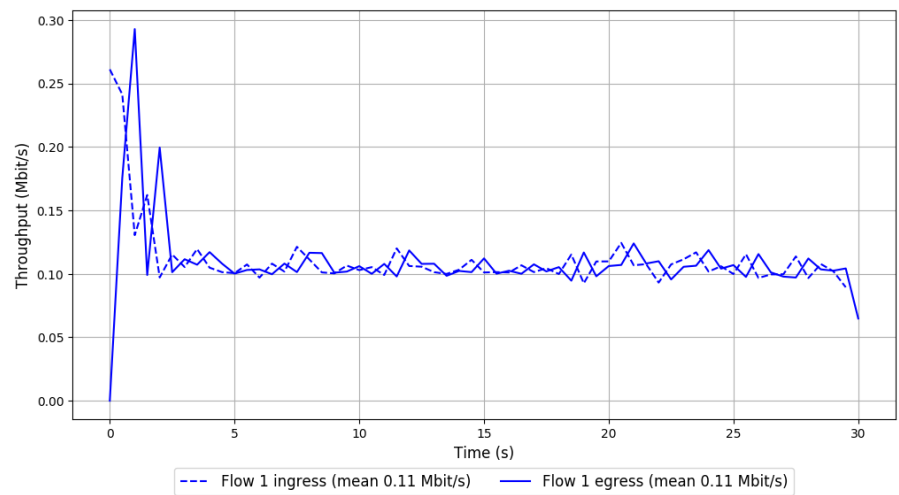
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 110.500 ms

Loss rate: 0.73%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-05 17:53:37

End at: 2018-06-05 17:54:07

Local clock offset: 0.049 ms

Remote clock offset: 0.392 ms

Below is generated by plot.py at 2018-06-05 19:02:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.848 ms

Loss rate: 0.77%

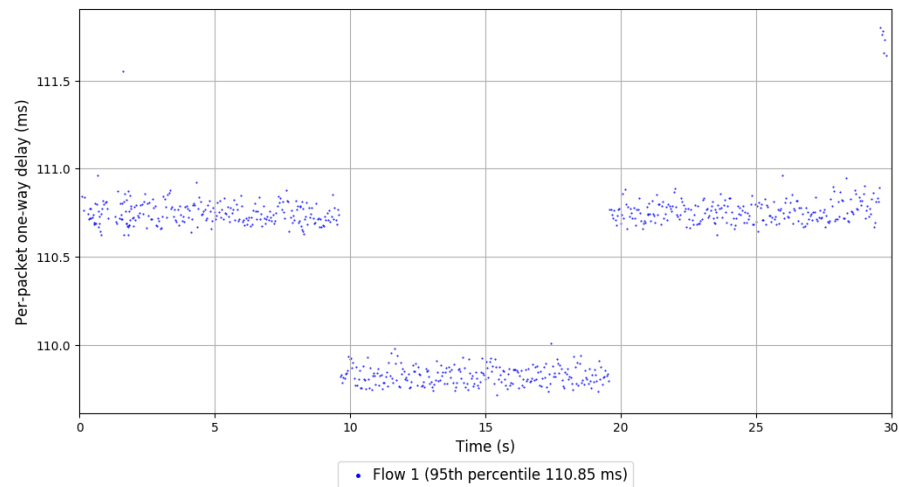
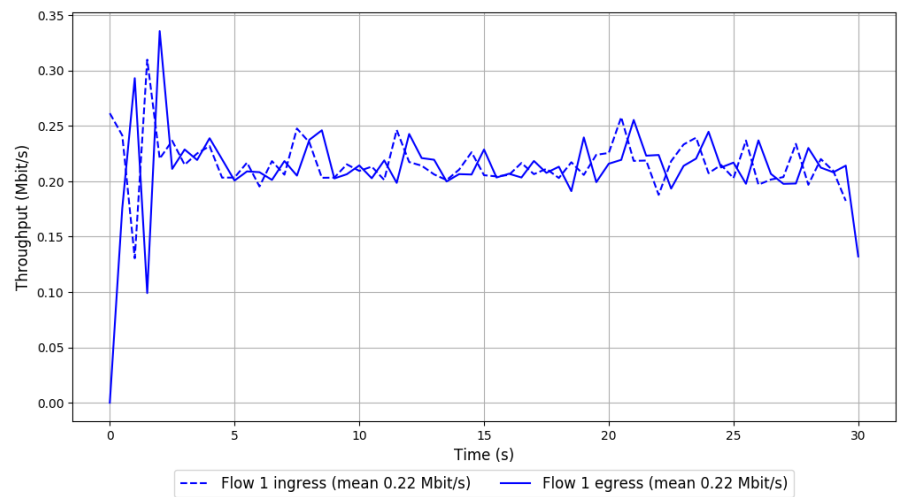
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.848 ms

Loss rate: 0.77%

Run 10: Report of SReAM — Data Link

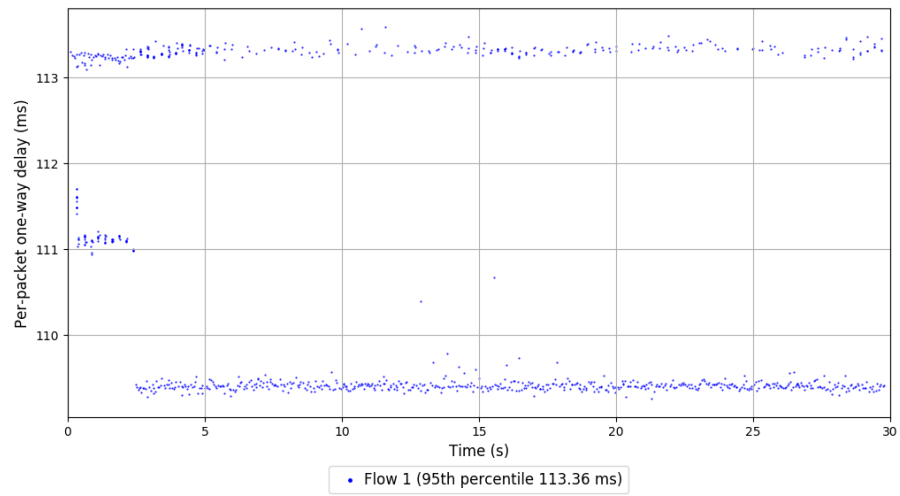
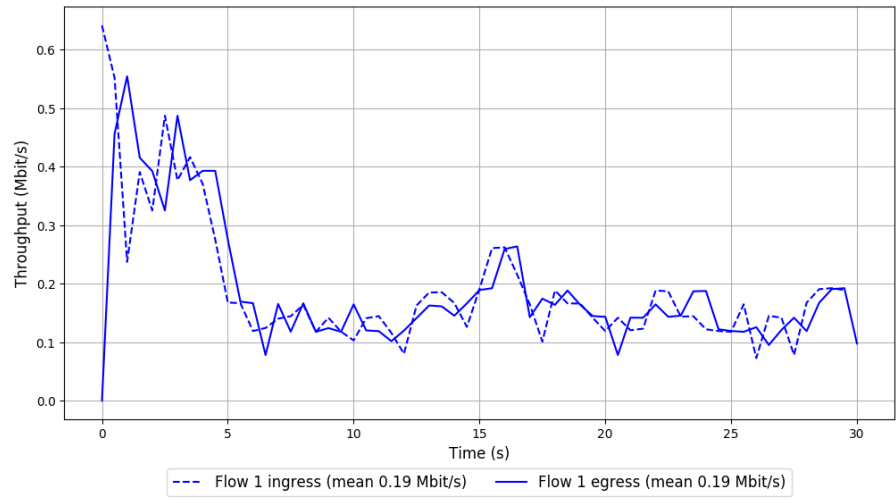


Run 1: Statistics of Sprout

Start at: 2018-06-05 14:43:34
End at: 2018-06-05 14:44:04
Local clock offset: -0.162 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-06-05 19:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 113.365 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 113.365 ms
Loss rate: 0.81%

Run 1: Report of Sprout — Data Link

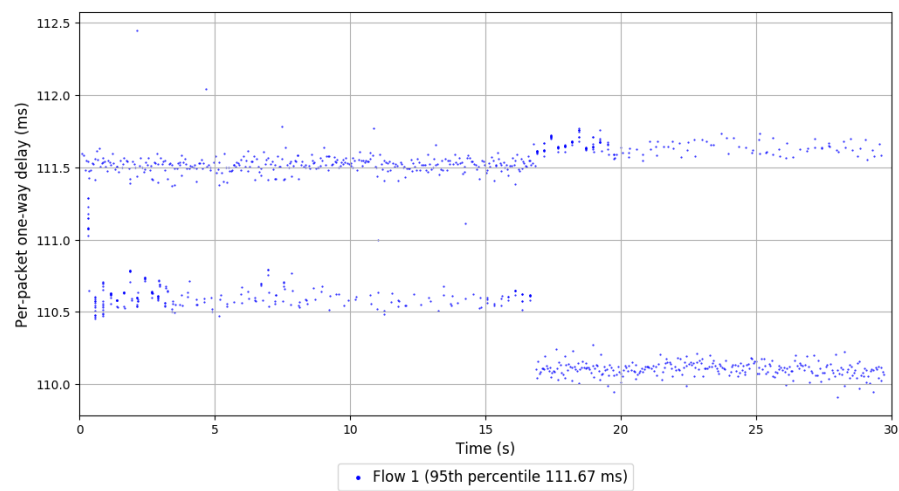
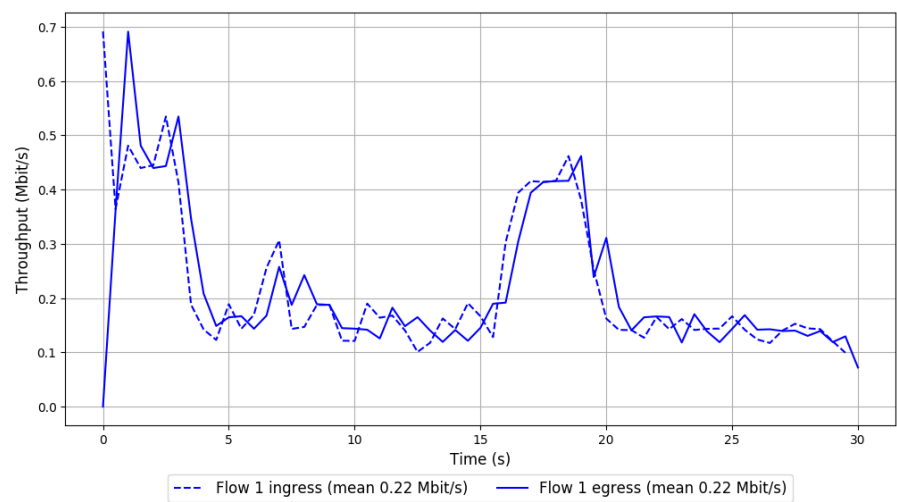


Run 2: Statistics of Sprout

Start at: 2018-06-05 15:04:20
End at: 2018-06-05 15:04:50
Local clock offset: -0.427 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-06-05 19:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.673 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.673 ms
Loss rate: 0.54%

Run 2: Report of Sprout — Data Link

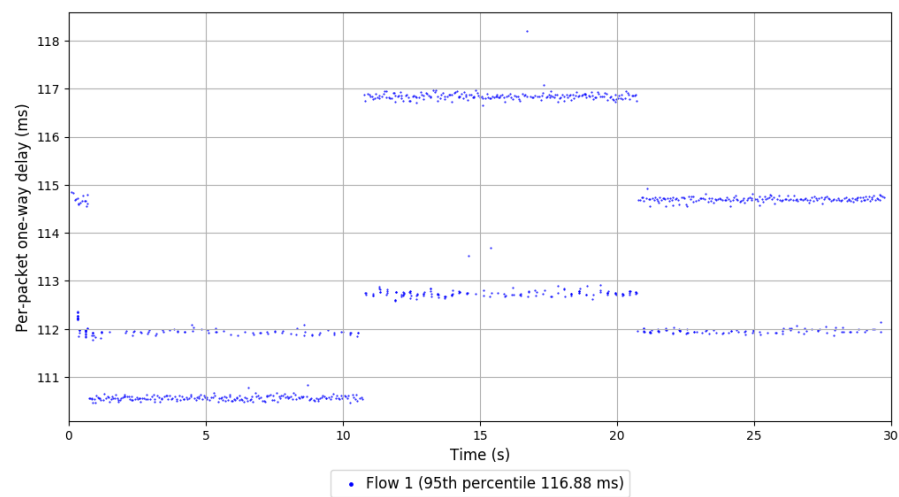
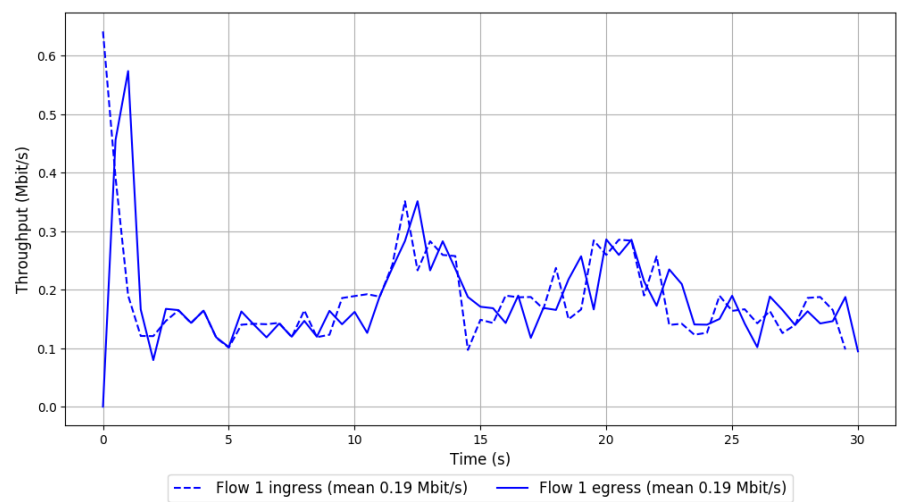


Run 3: Statistics of Sprout

Start at: 2018-06-05 15:24:56
End at: 2018-06-05 15:25:26
Local clock offset: 0.085 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-05 19:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 116.878 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 116.878 ms
Loss rate: 0.63%

Run 3: Report of Sprout — Data Link

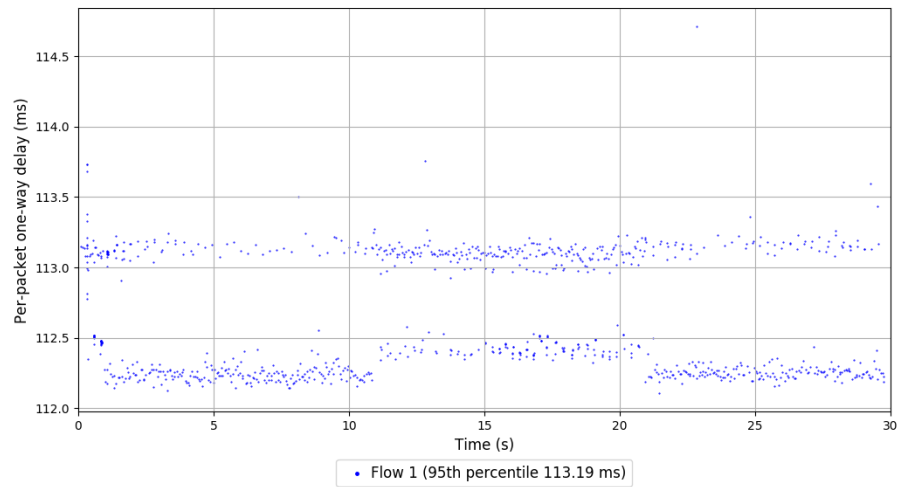
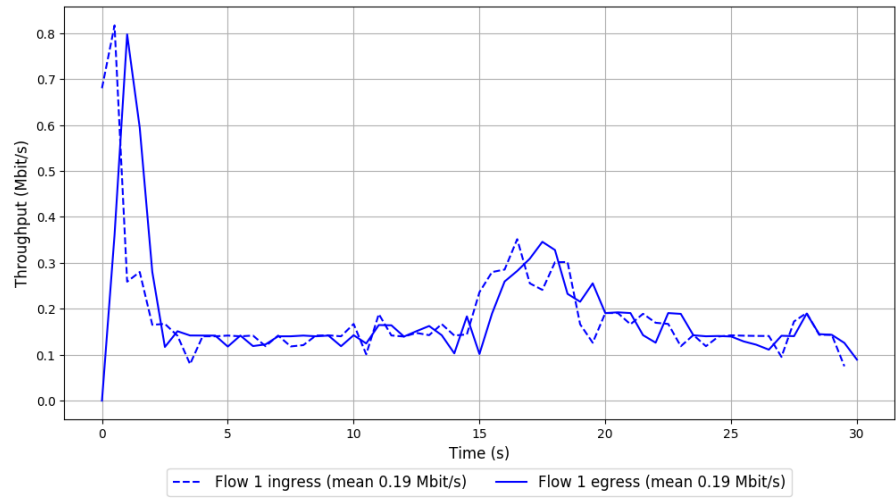


Run 4: Statistics of Sprout

Start at: 2018-06-05 15:45:36
End at: 2018-06-05 15:46:06
Local clock offset: 0.256 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-06-05 19:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 113.185 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 113.185 ms
Loss rate: 0.47%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-05 16:06:33

End at: 2018-06-05 16:07:03

Local clock offset: 0.26 ms

Remote clock offset: 0.418 ms

Below is generated by plot.py at 2018-06-05 19:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.601 ms

Loss rate: 1.02%

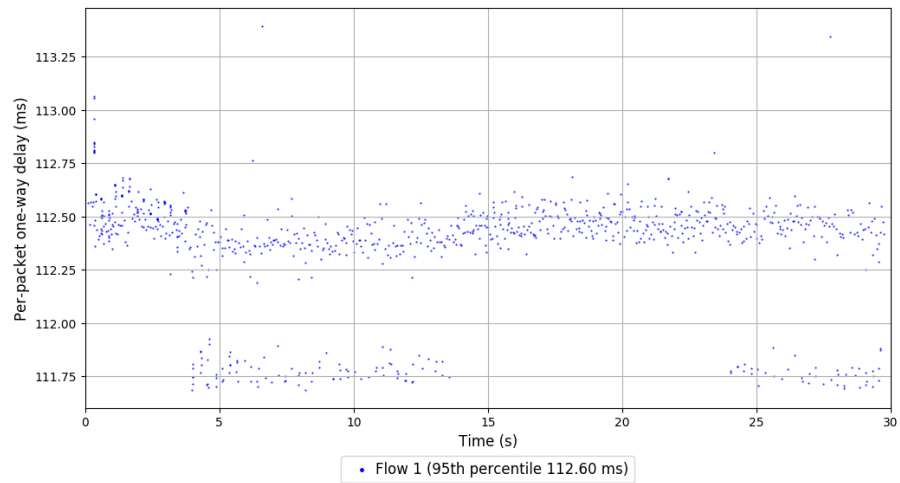
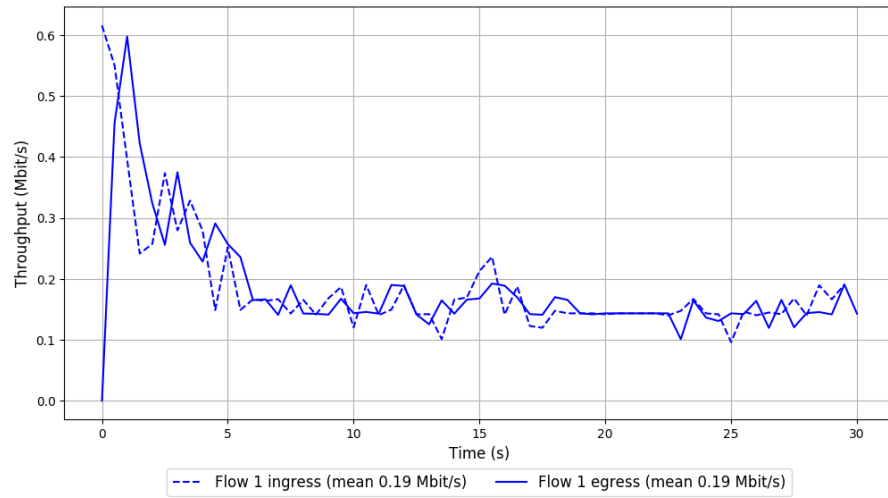
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.601 ms

Loss rate: 1.02%

Run 5: Report of Sprout — Data Link

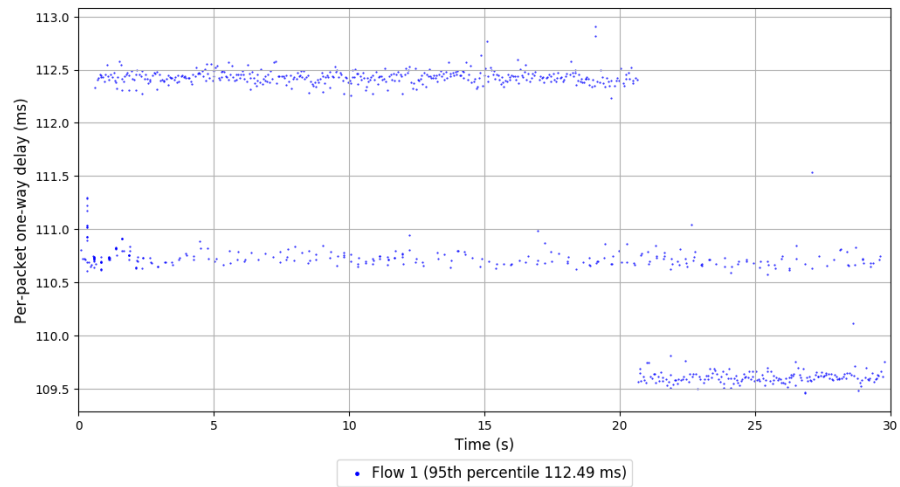
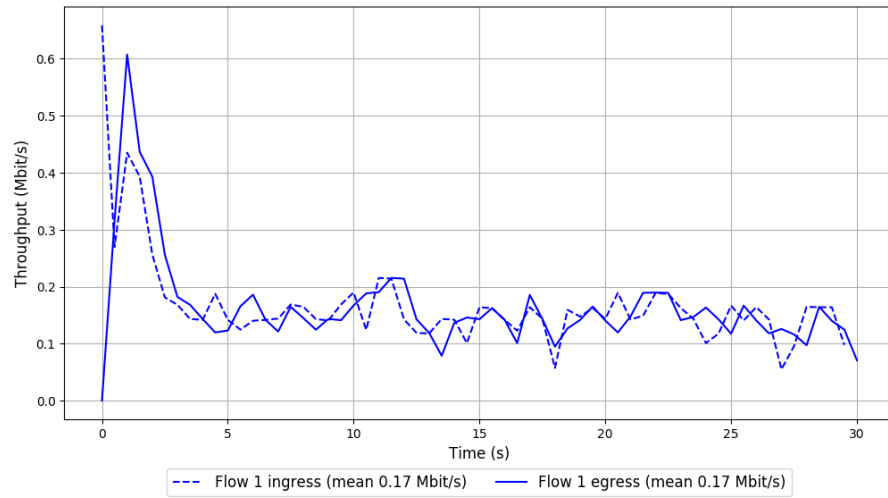


Run 6: Statistics of Sprout

Start at: 2018-06-05 16:27:26
End at: 2018-06-05 16:27:56
Local clock offset: -0.235 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-06-05 19:02:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 112.492 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 112.492 ms
Loss rate: 0.92%

Run 6: Report of Sprout — Data Link

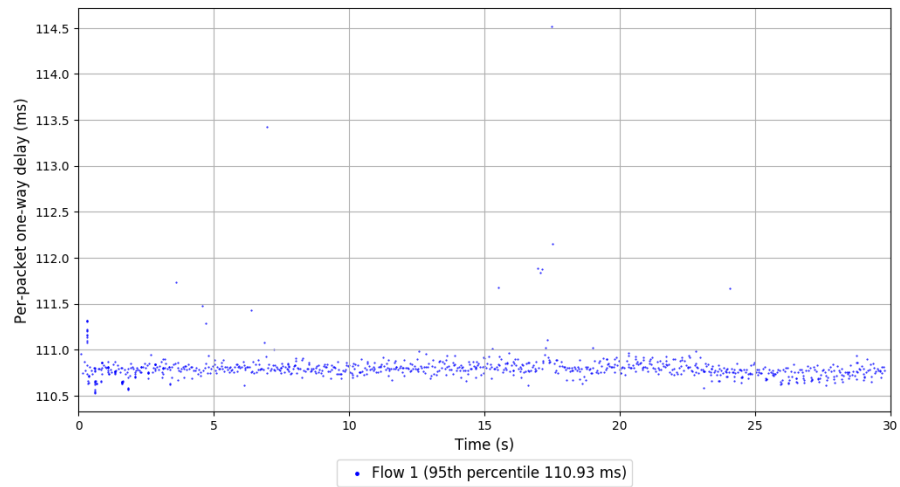
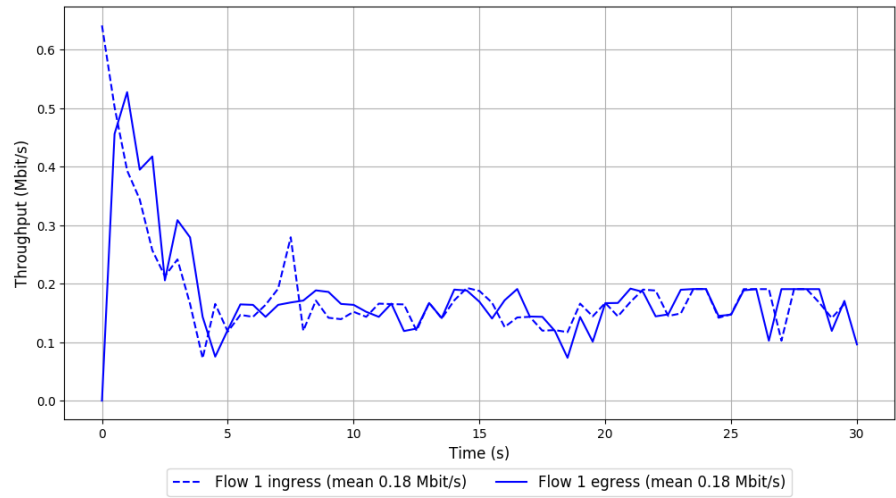


Run 7: Statistics of Sprout

Start at: 2018-06-05 16:47:53
End at: 2018-06-05 16:48:23
Local clock offset: -0.099 ms
Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-06-05 19:02:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 110.926 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 110.926 ms
Loss rate: 0.83%

Run 7: Report of Sprout — Data Link

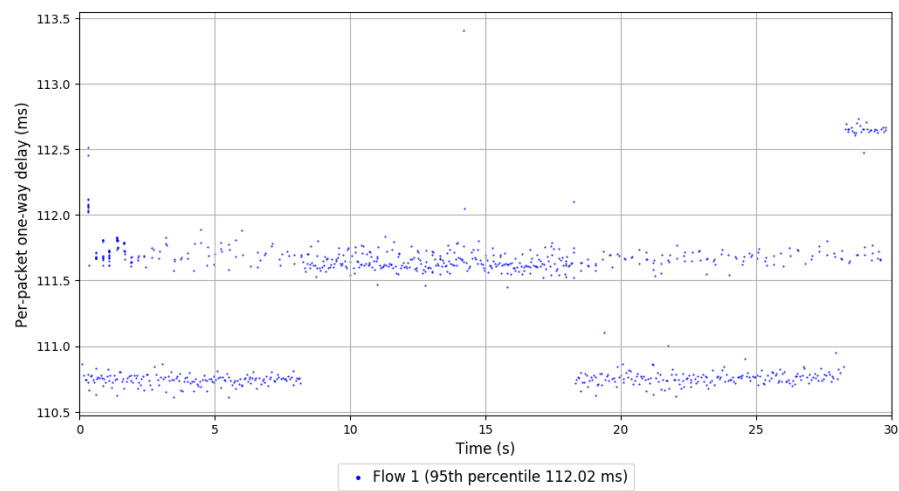
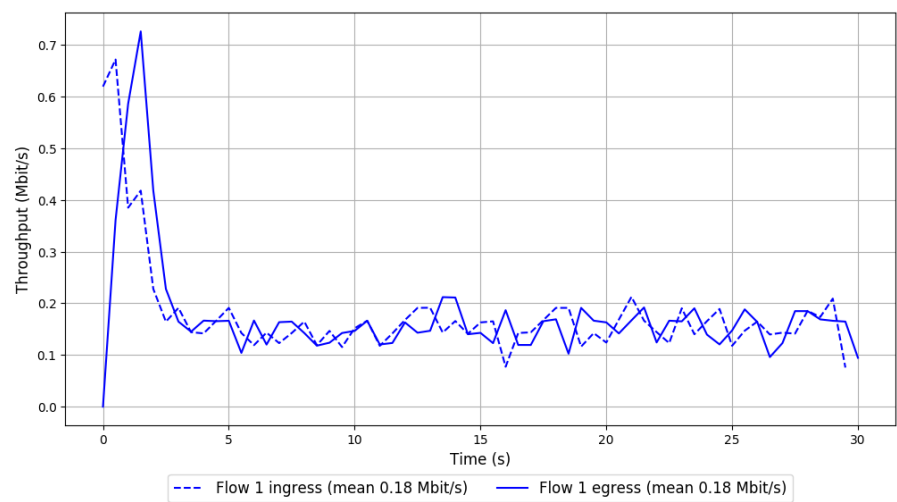


Run 8: Statistics of Sprout

Start at: 2018-06-05 17:08:39
End at: 2018-06-05 17:09:09
Local clock offset: -0.079 ms
Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-06-05 19:02:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.021 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.021 ms
Loss rate: 0.49%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-05 17:29:23

End at: 2018-06-05 17:29:53

Local clock offset: -0.162 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-06-05 19:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 112.918 ms

Loss rate: 0.69%

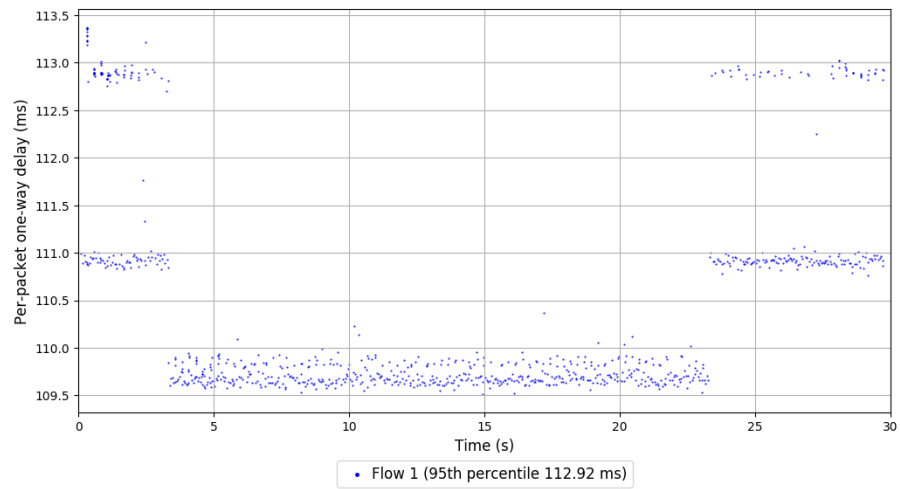
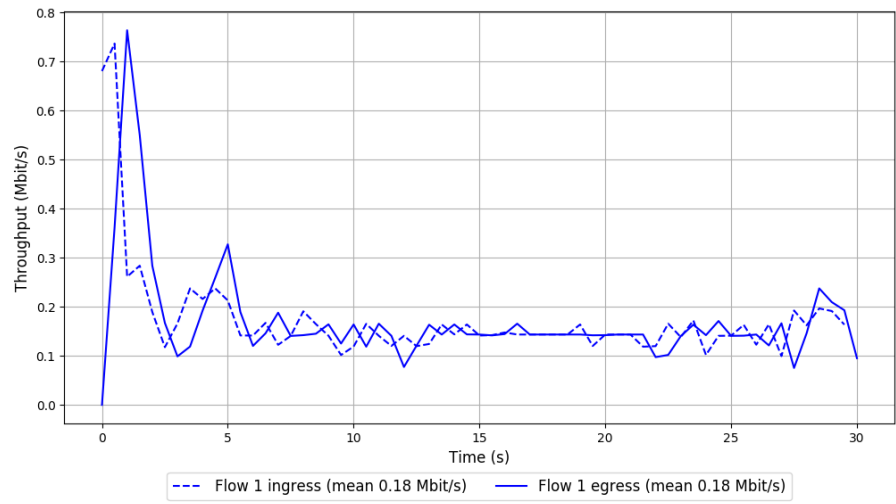
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 112.918 ms

Loss rate: 0.69%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-05 17:50:10

End at: 2018-06-05 17:50:40

Local clock offset: -0.33 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-06-05 19:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 112.880 ms

Loss rate: 0.74%

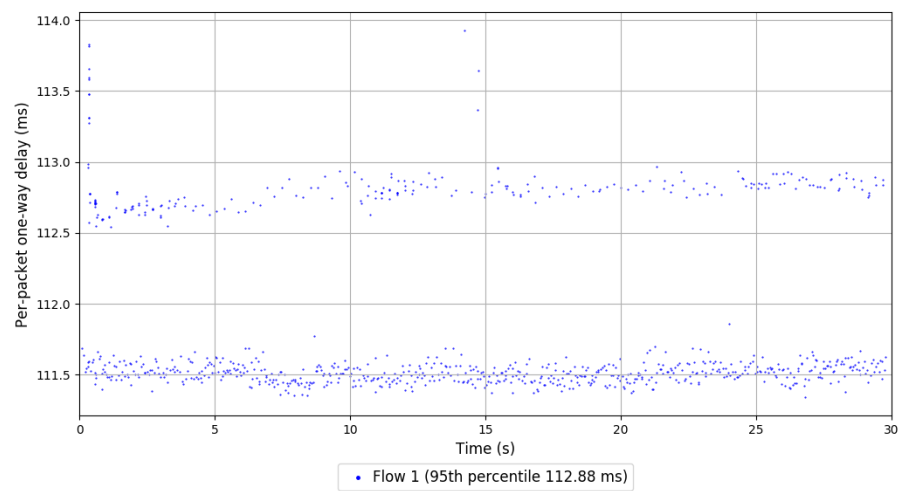
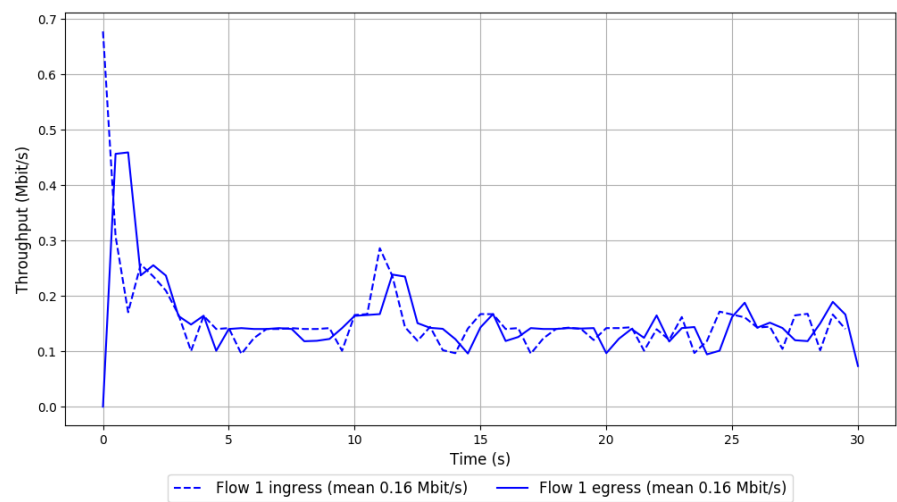
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 112.880 ms

Loss rate: 0.74%

Run 10: Report of Sprout — Data Link

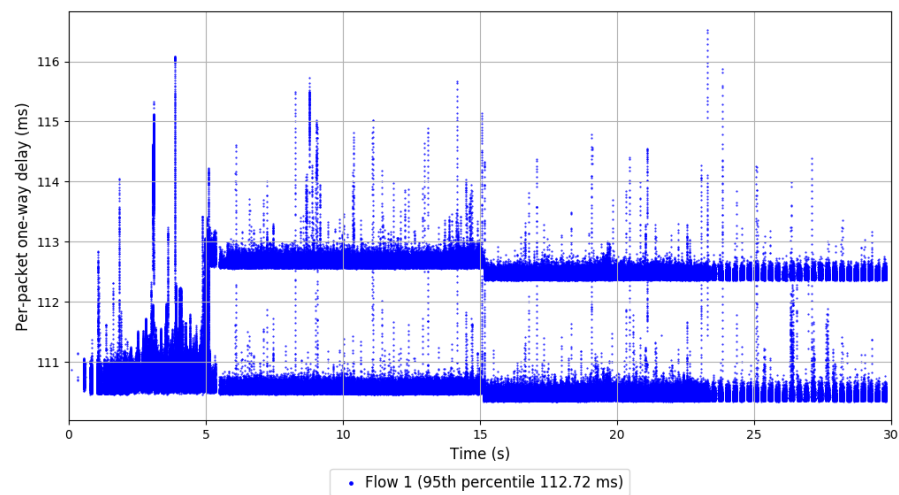
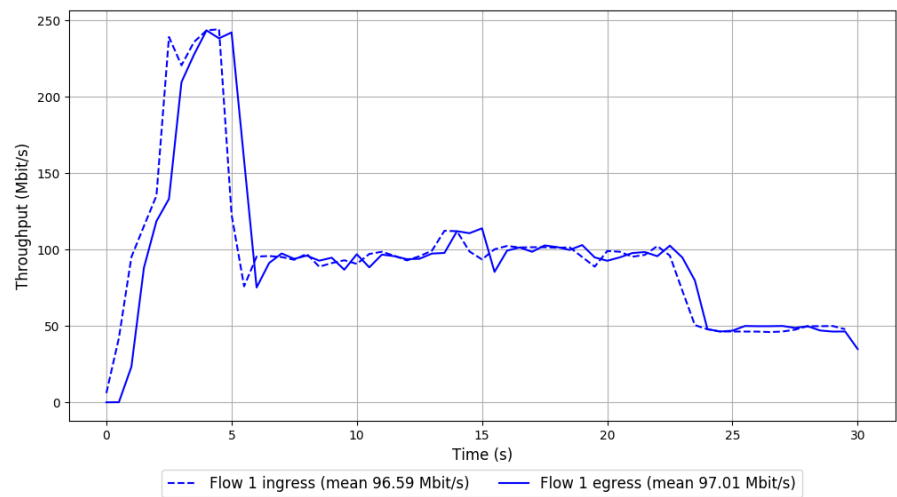


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 14:44:42
End at: 2018-06-05 14:45:12
Local clock offset: -0.331 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-06-05 19:02:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 112.715 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 112.715 ms
Loss rate: 0.40%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 15:05:27

End at: 2018-06-05 15:05:57

Local clock offset: -0.167 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2018-06-05 19:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.08 Mbit/s

95th percentile per-packet one-way delay: 110.327 ms

Loss rate: 0.97%

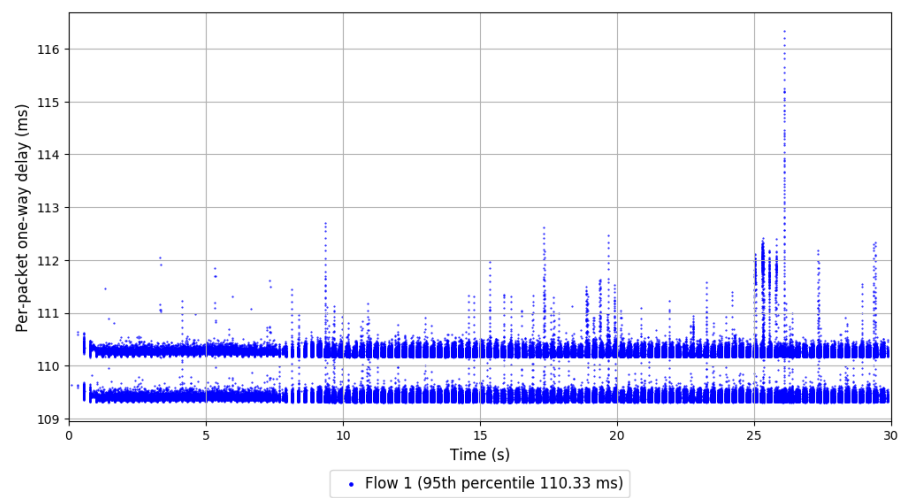
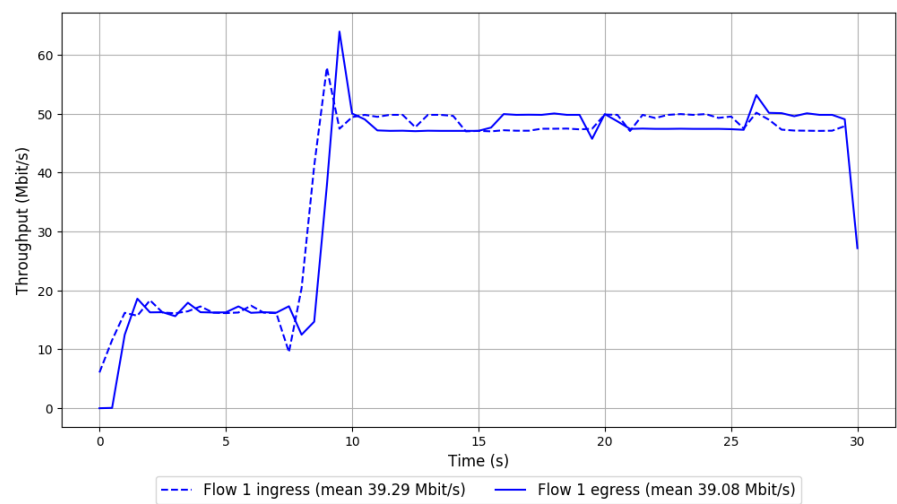
-- Flow 1:

Average throughput: 39.08 Mbit/s

95th percentile per-packet one-way delay: 110.327 ms

Loss rate: 0.97%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 15:26:03

End at: 2018-06-05 15:26:33

Local clock offset: 0.187 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-05 19:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.72 Mbit/s

95th percentile per-packet one-way delay: 112.711 ms

Loss rate: 0.12%

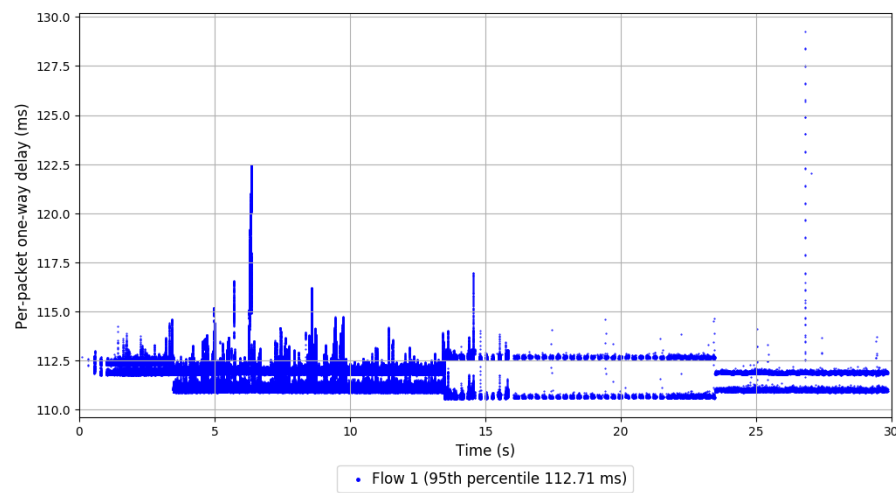
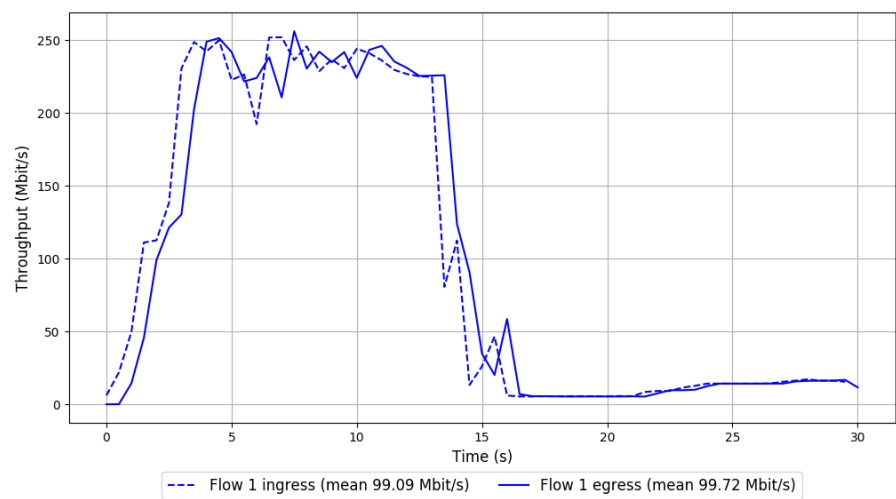
-- Flow 1:

Average throughput: 99.72 Mbit/s

95th percentile per-packet one-way delay: 112.711 ms

Loss rate: 0.12%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-05 15:46:43

End at: 2018-06-05 15:47:13

Local clock offset: 0.172 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-06-05 19:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.03 Mbit/s

95th percentile per-packet one-way delay: 112.627 ms

Loss rate: 0.76%

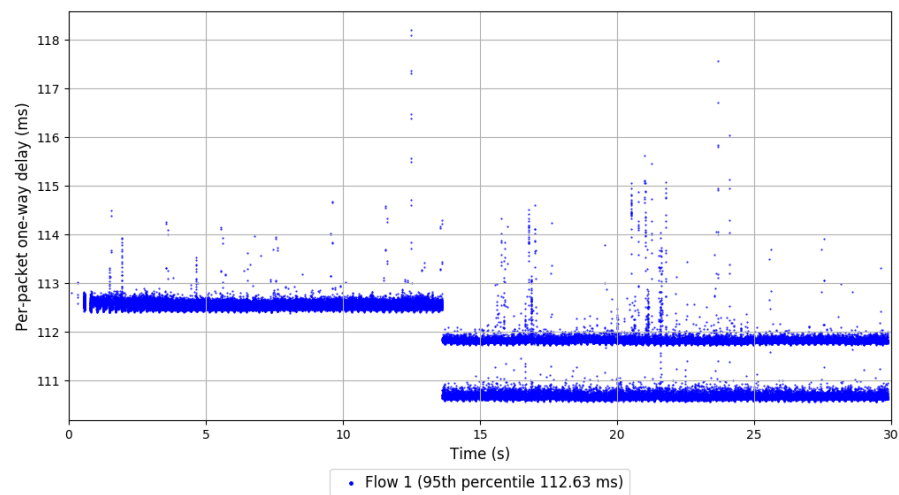
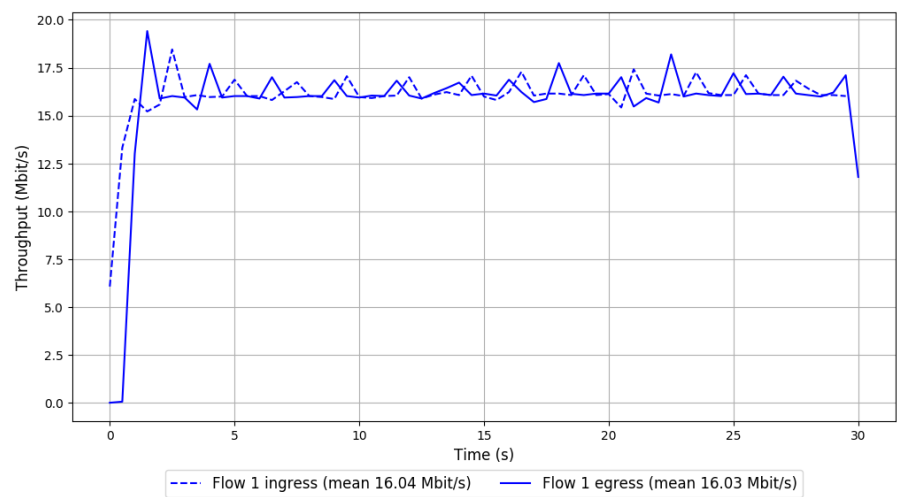
-- Flow 1:

Average throughput: 16.03 Mbit/s

95th percentile per-packet one-way delay: 112.627 ms

Loss rate: 0.76%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 16:07:40

End at: 2018-06-05 16:08:10

Local clock offset: -0.05 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-05 19:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.13 Mbit/s

95th percentile per-packet one-way delay: 114.913 ms

Loss rate: 0.23%

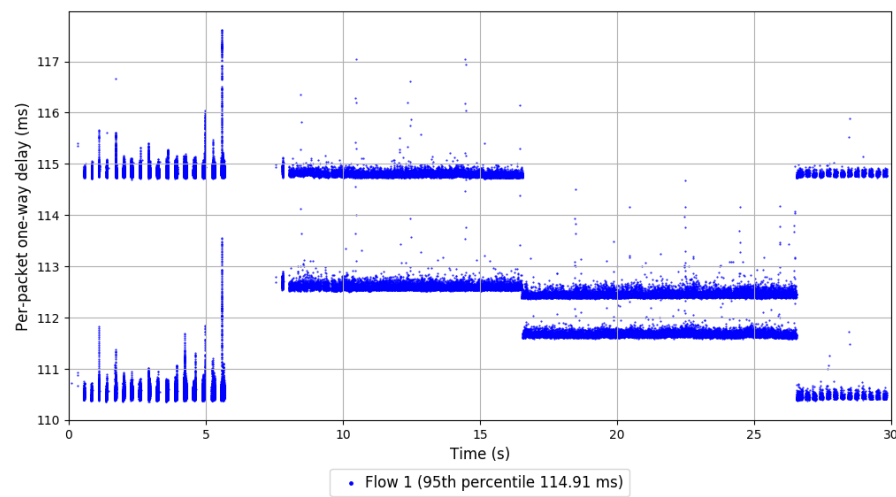
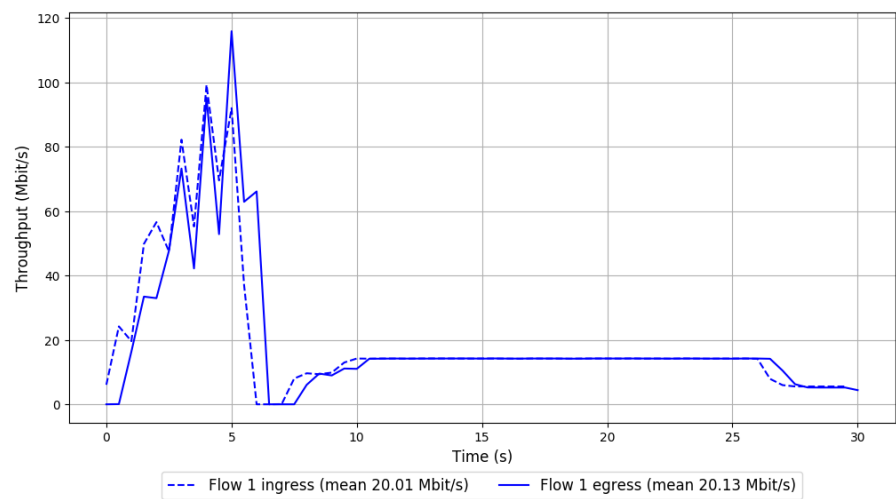
-- Flow 1:

Average throughput: 20.13 Mbit/s

95th percentile per-packet one-way delay: 114.913 ms

Loss rate: 0.23%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 16:28:33

End at: 2018-06-05 16:29:03

Local clock offset: -0.316 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-05 19:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.01 Mbit/s

95th percentile per-packet one-way delay: 114.743 ms

Loss rate: 0.60%

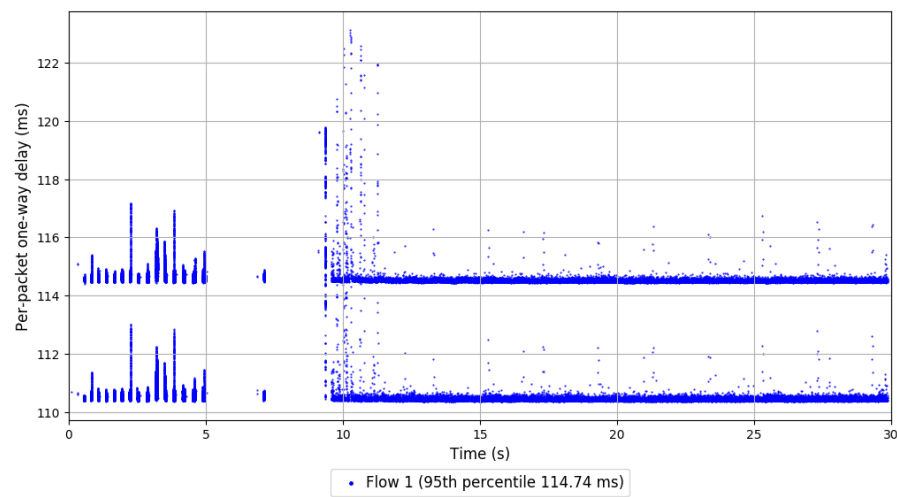
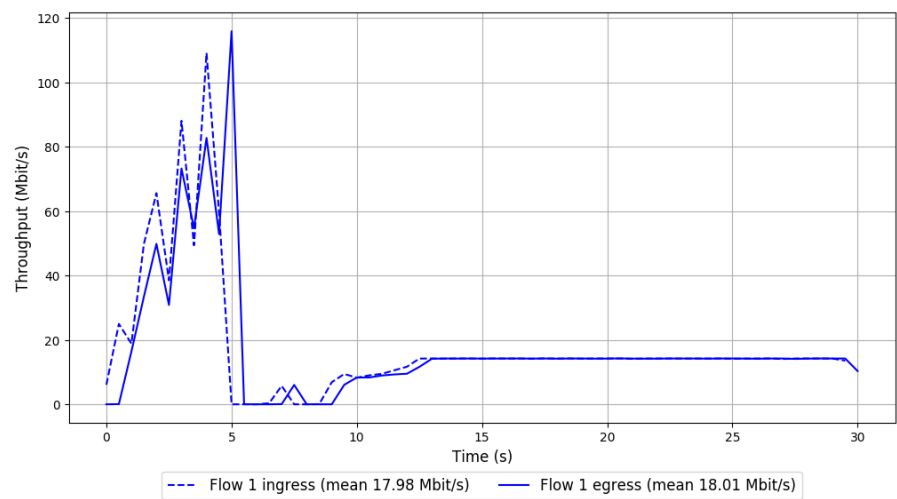
-- Flow 1:

Average throughput: 18.01 Mbit/s

95th percentile per-packet one-way delay: 114.743 ms

Loss rate: 0.60%

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

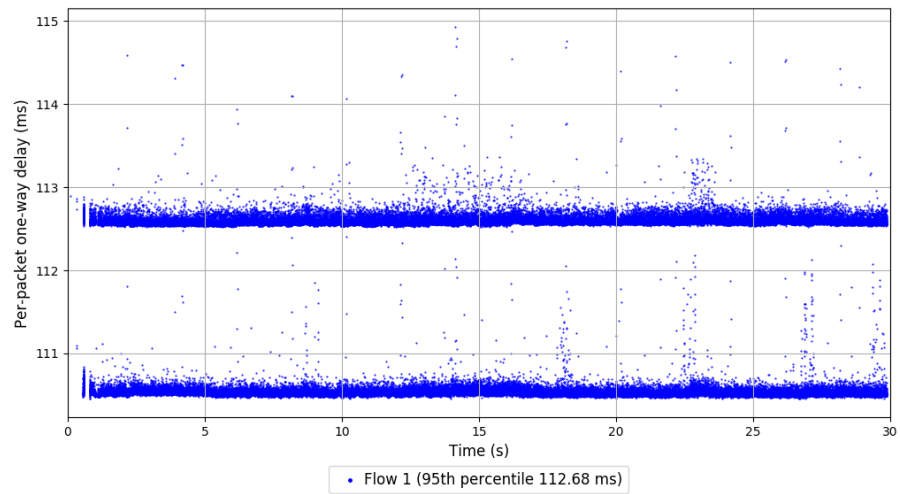
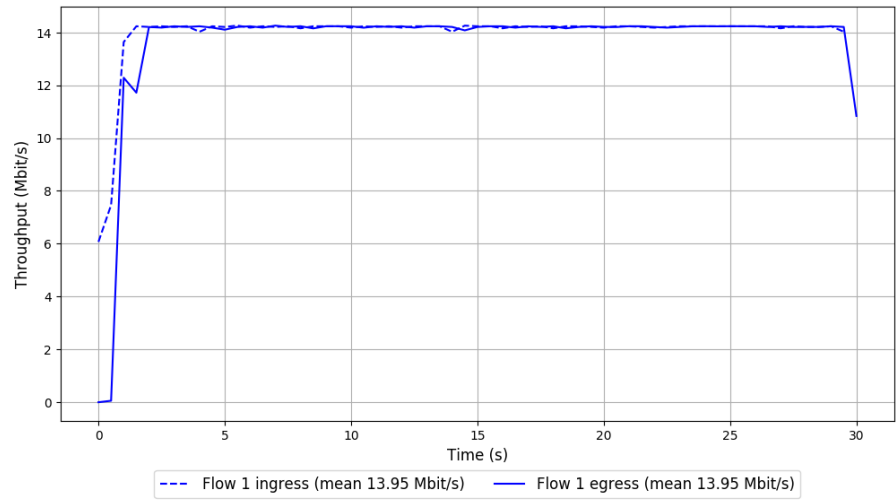


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 16:49:01
End at: 2018-06-05 16:49:31
Local clock offset: -0.133 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-06-05 19:02:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.95 Mbit/s
95th percentile per-packet one-way delay: 112.684 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 13.95 Mbit/s
95th percentile per-packet one-way delay: 112.684 ms
Loss rate: 0.76%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 17:09:46

End at: 2018-06-05 17:10:16

Local clock offset: 0.08 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-05 19:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 111.795 ms

Loss rate: 0.73%

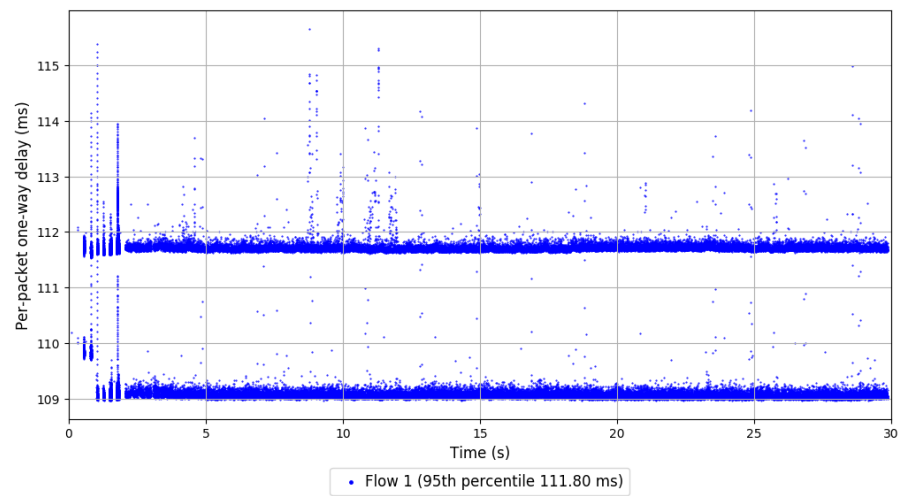
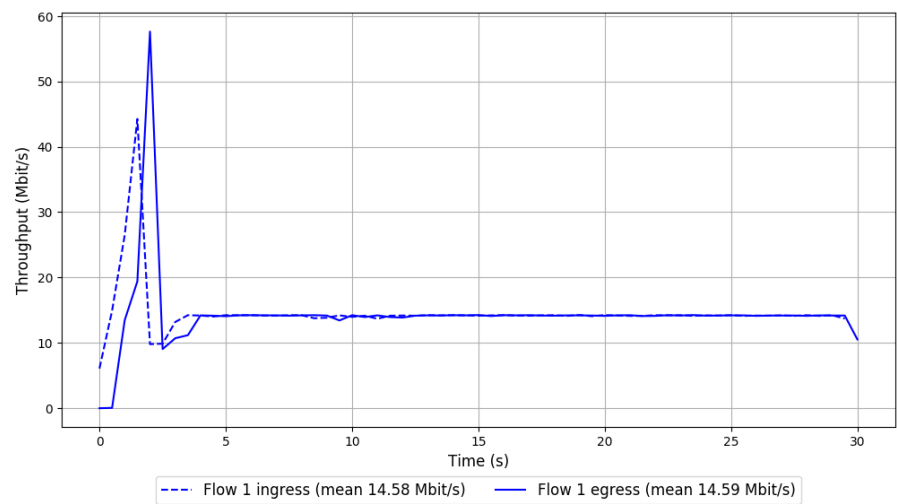
-- Flow 1:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 111.795 ms

Loss rate: 0.73%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 17:30:31

End at: 2018-06-05 17:31:01

Local clock offset: 0.12 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-05 19:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.90 Mbit/s

95th percentile per-packet one-way delay: 110.397 ms

Loss rate: 0.24%

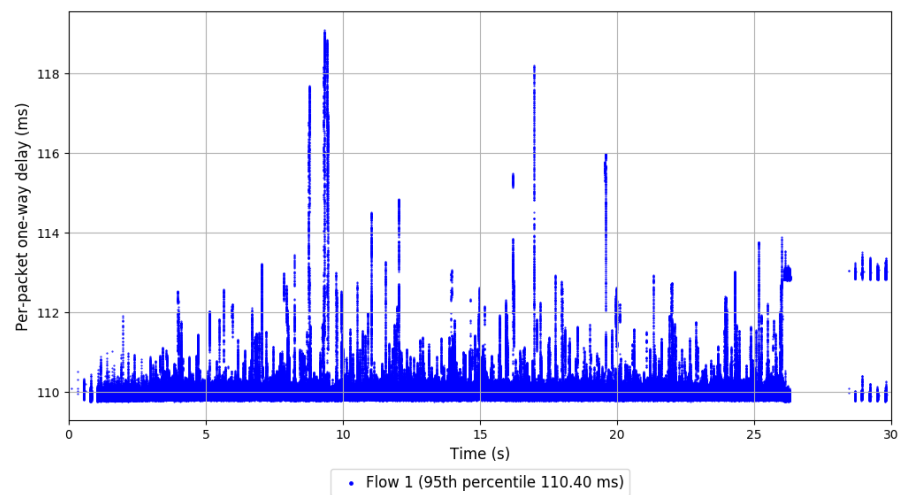
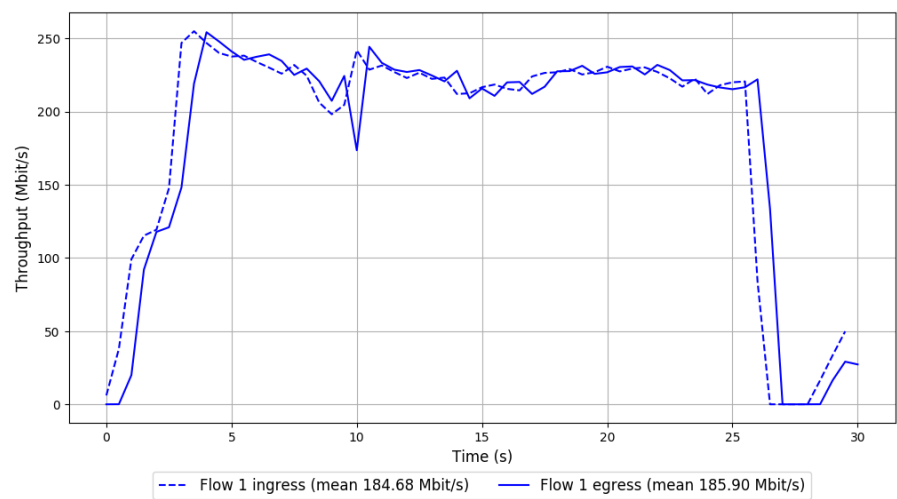
-- Flow 1:

Average throughput: 185.90 Mbit/s

95th percentile per-packet one-way delay: 110.397 ms

Loss rate: 0.24%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 17:51:17

End at: 2018-06-05 17:51:47

Local clock offset: -0.241 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-05 19:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 112.780 ms

Loss rate: 0.32%

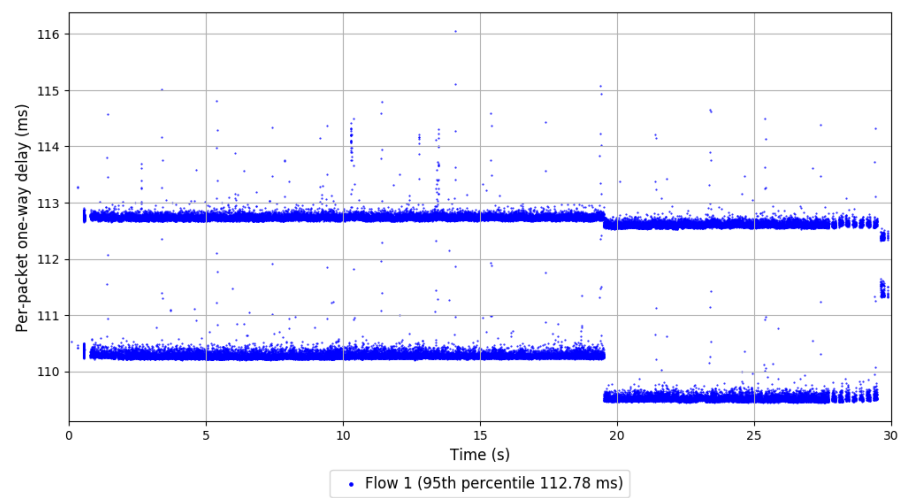
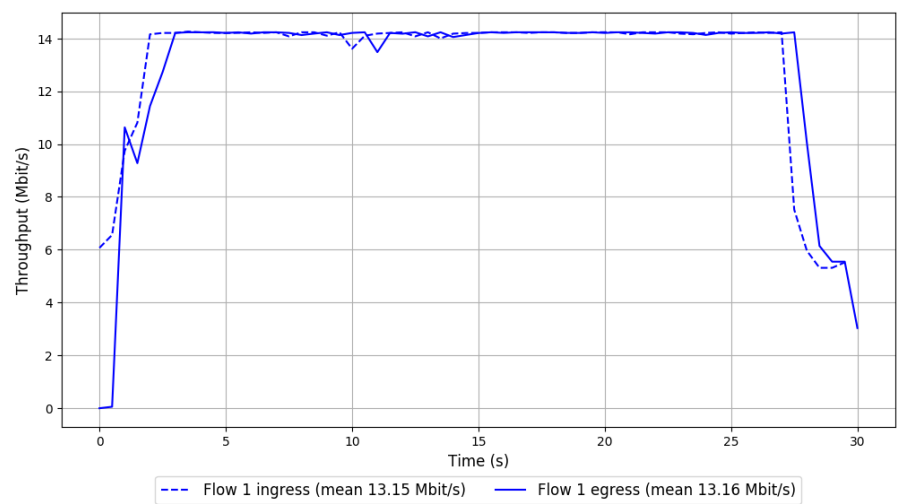
-- Flow 1:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 112.780 ms

Loss rate: 0.32%

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

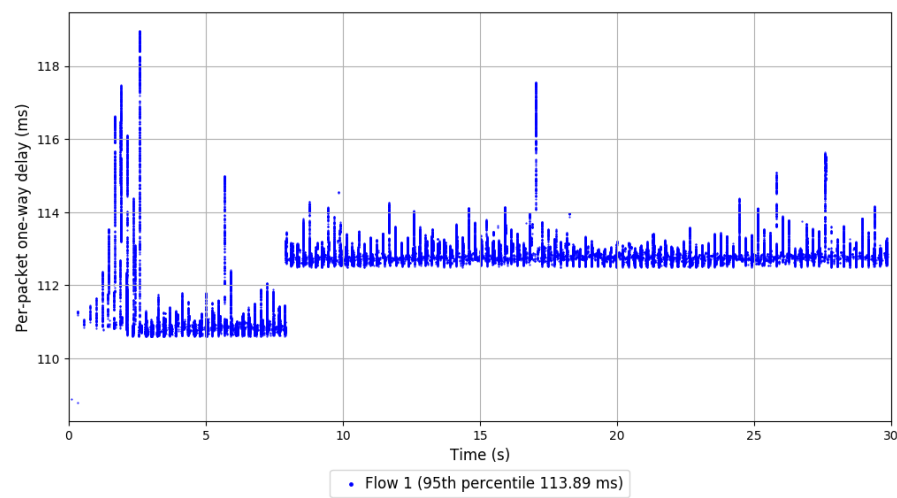
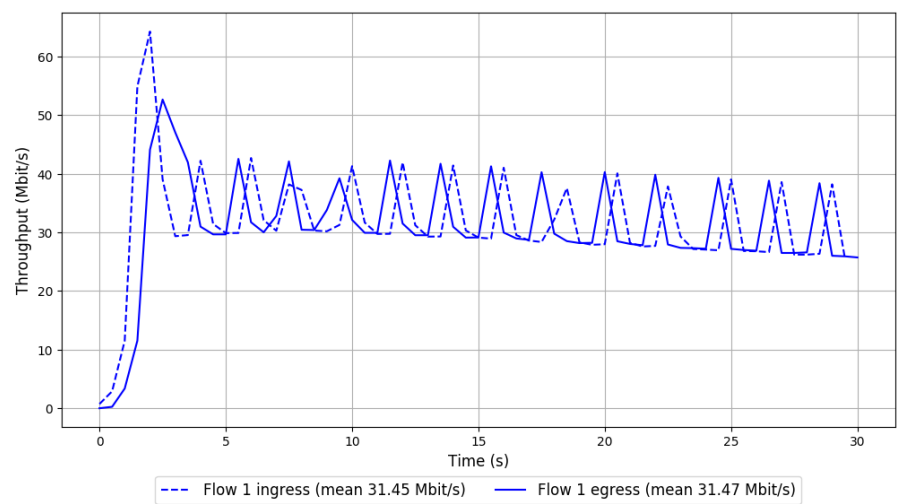


Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 14:45:59
End at: 2018-06-05 14:46:29
Local clock offset: -0.353 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-06-05 19:05:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 113.888 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 113.888 ms
Loss rate: 0.68%

Run 1: Report of TCP Vegas — Data Link

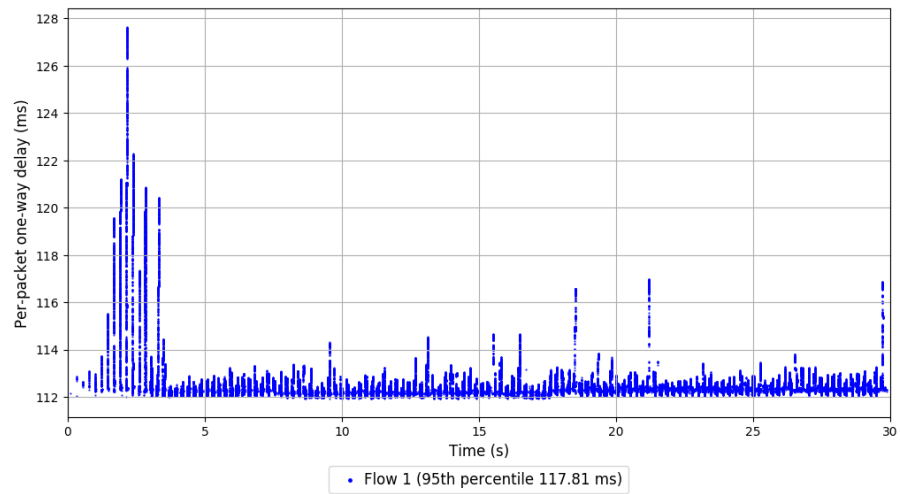
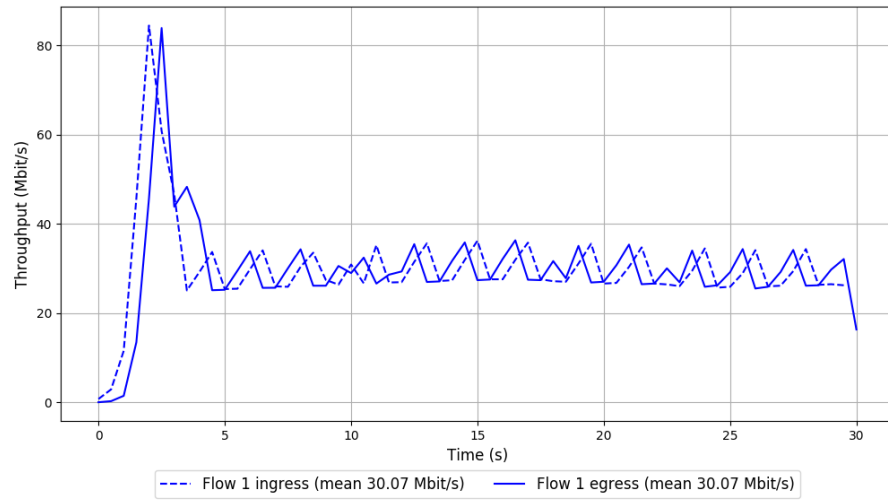


Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 15:06:39
End at: 2018-06-05 15:07:09
Local clock offset: 0.132 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-05 19:05:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 117.807 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 117.807 ms
Loss rate: 0.72%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 15:27:21

End at: 2018-06-05 15:27:51

Local clock offset: -0.104 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-05 19:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.38 Mbit/s

95th percentile per-packet one-way delay: 119.824 ms

Loss rate: 0.77%

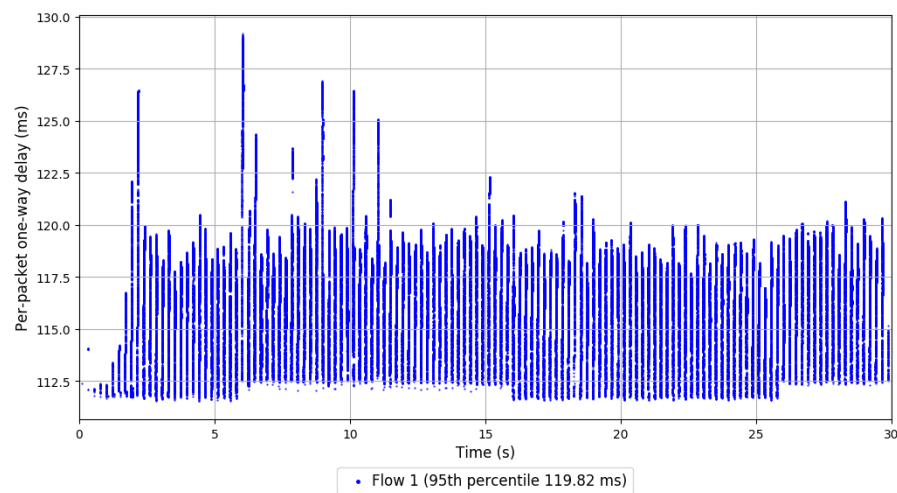
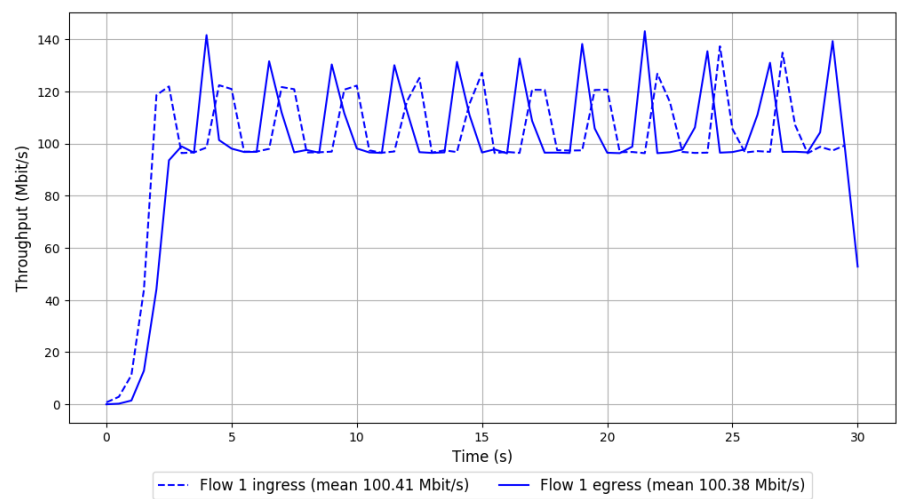
-- Flow 1:

Average throughput: 100.38 Mbit/s

95th percentile per-packet one-way delay: 119.824 ms

Loss rate: 0.77%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 15:47:53

End at: 2018-06-05 15:48:23

Local clock offset: 0.069 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-06-05 19:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.27 Mbit/s

95th percentile per-packet one-way delay: 113.307 ms

Loss rate: 0.69%

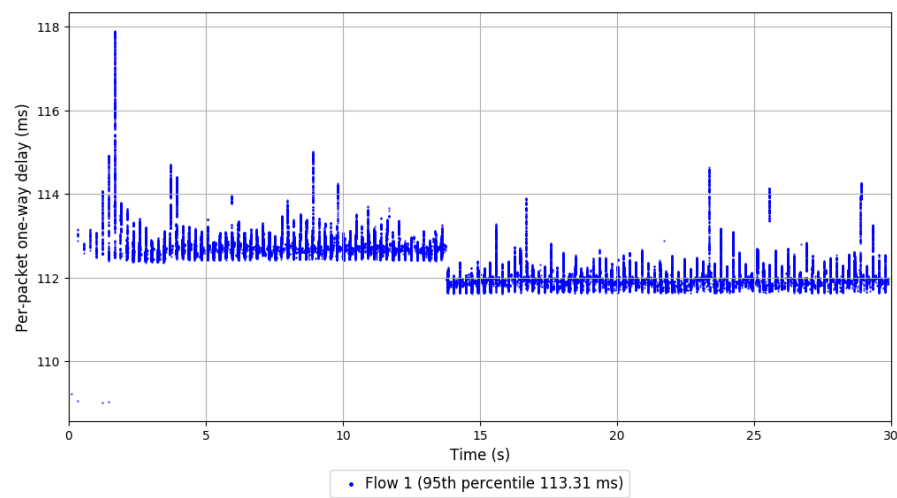
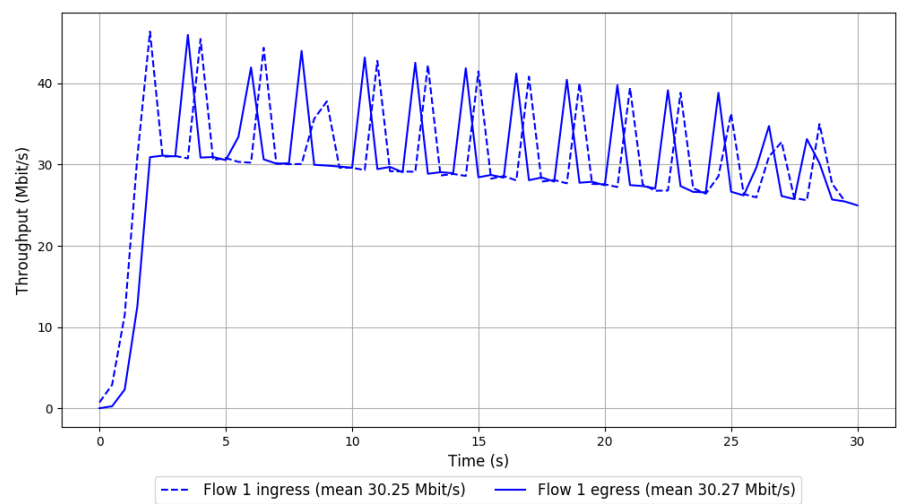
-- Flow 1:

Average throughput: 30.27 Mbit/s

95th percentile per-packet one-way delay: 113.307 ms

Loss rate: 0.69%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 16:08:50

End at: 2018-06-05 16:09:20

Local clock offset: -0.263 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-05 19:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.08 Mbit/s

95th percentile per-packet one-way delay: 114.653 ms

Loss rate: 0.79%

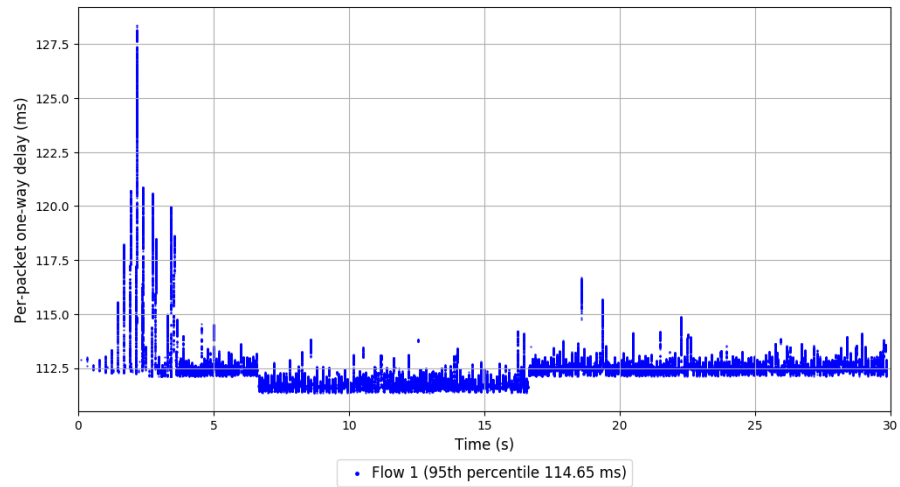
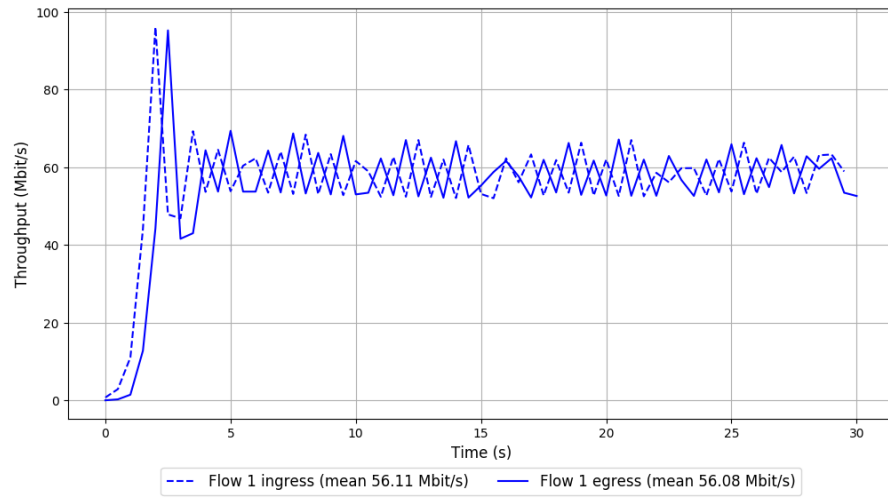
-- Flow 1:

Average throughput: 56.08 Mbit/s

95th percentile per-packet one-way delay: 114.653 ms

Loss rate: 0.79%

Run 5: Report of TCP Vegas — Data Link

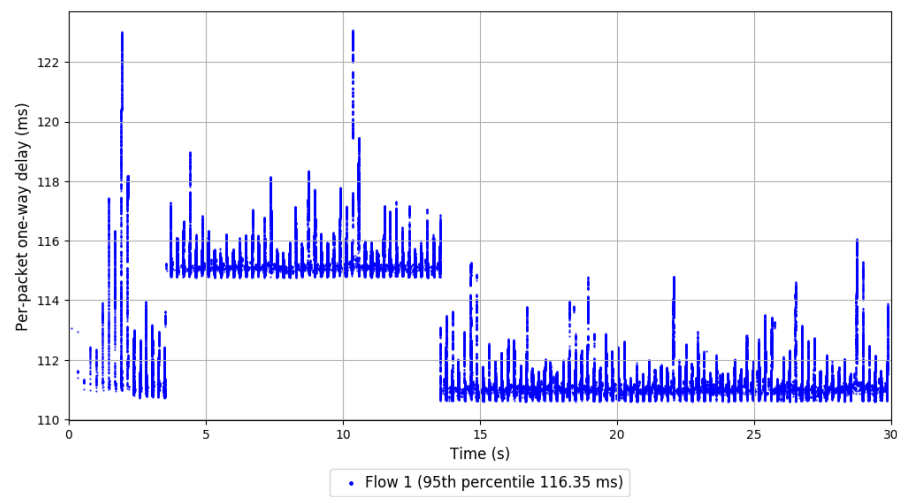
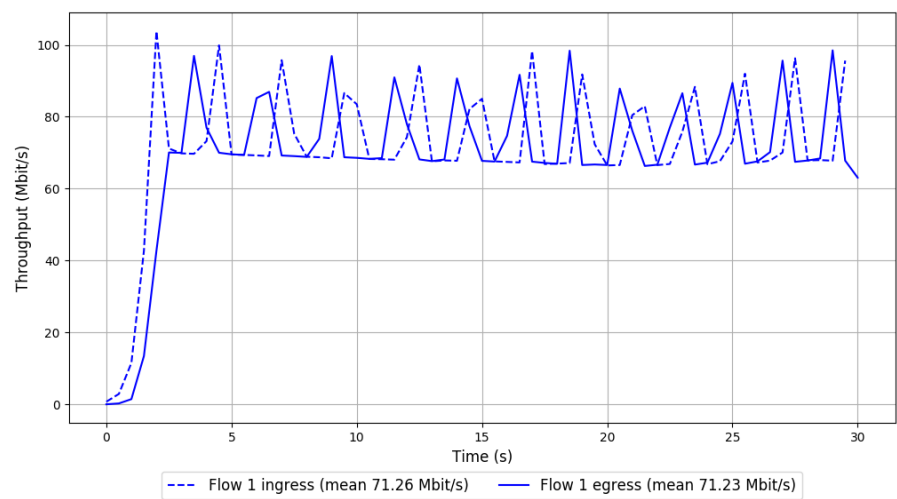


Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 16:29:43
End at: 2018-06-05 16:30:13
Local clock offset: 0.023 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-06-05 19:05:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.23 Mbit/s
95th percentile per-packet one-way delay: 116.354 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 71.23 Mbit/s
95th percentile per-packet one-way delay: 116.354 ms
Loss rate: 0.79%

Run 6: Report of TCP Vegas — Data Link

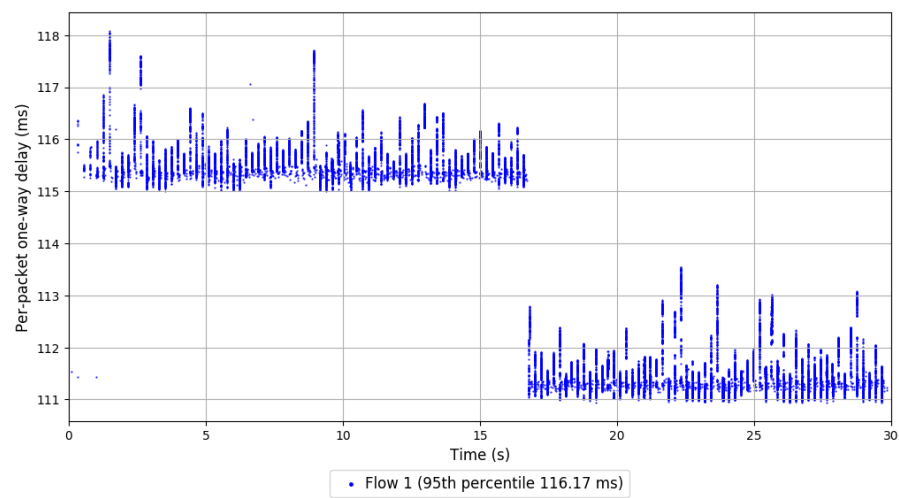
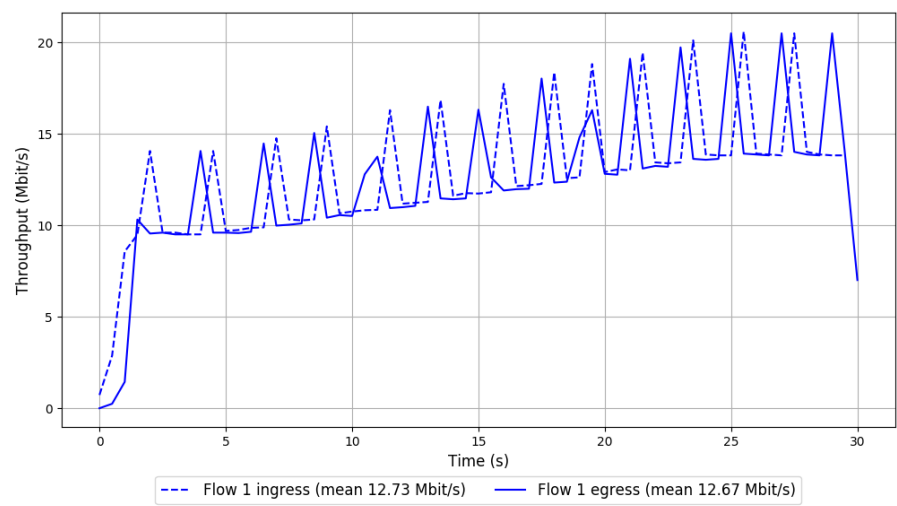


Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 16:50:10
End at: 2018-06-05 16:50:40
Local clock offset: -0.157 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-06-05 19:05:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 116.166 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 116.166 ms
Loss rate: 0.90%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 17:10:56

End at: 2018-06-05 17:11:26

Local clock offset: -0.048 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-05 19:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.44 Mbit/s

95th percentile per-packet one-way delay: 121.761 ms

Loss rate: 0.86%

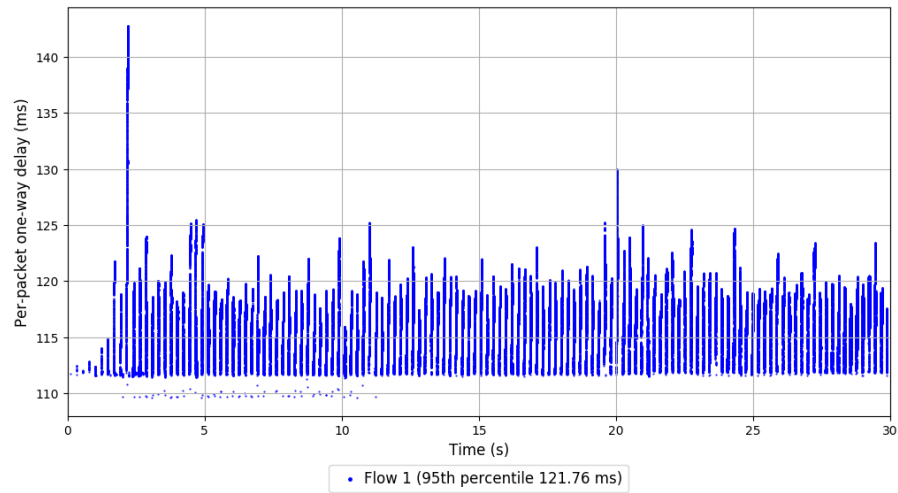
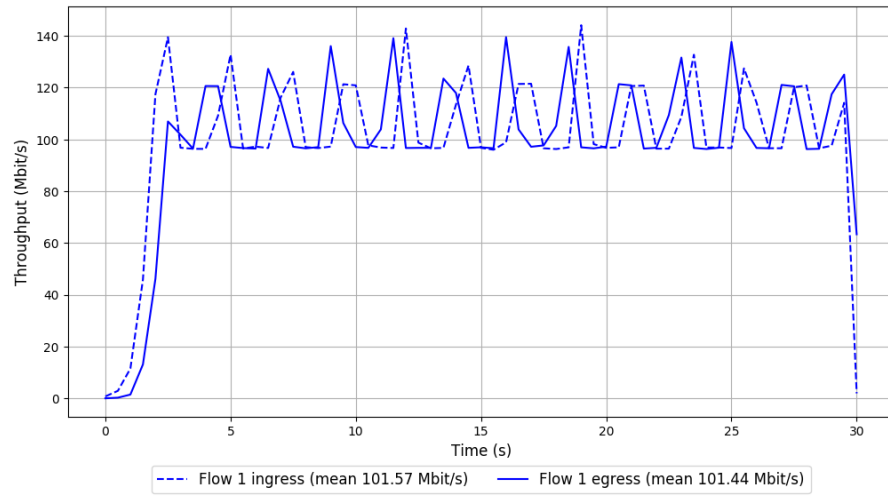
-- Flow 1:

Average throughput: 101.44 Mbit/s

95th percentile per-packet one-way delay: 121.761 ms

Loss rate: 0.86%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 17:31:56

End at: 2018-06-05 17:32:26

Local clock offset: -0.147 ms

Remote clock offset: 0.371 ms

Below is generated by plot.py at 2018-06-05 19:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.00 Mbit/s

95th percentile per-packet one-way delay: 120.808 ms

Loss rate: 0.75%

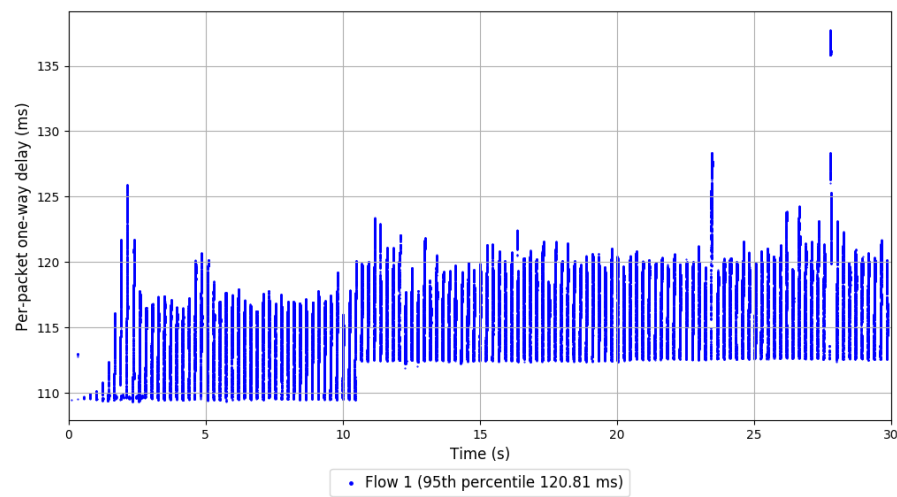
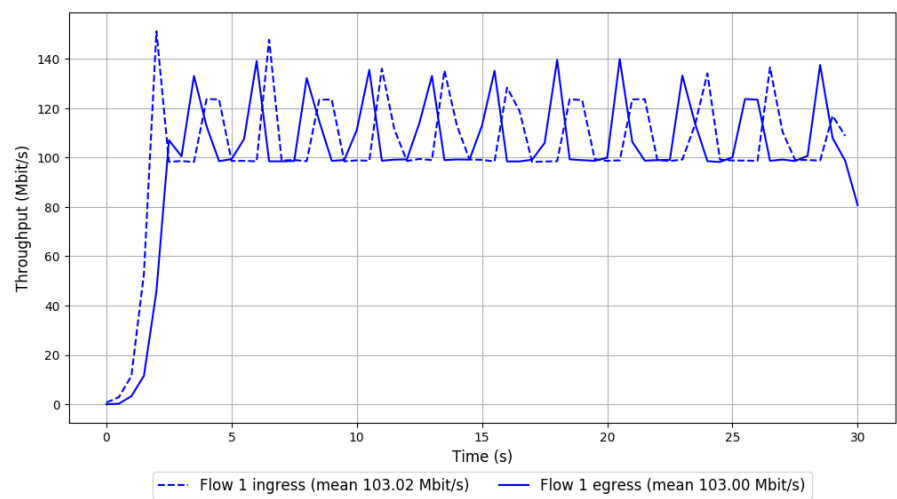
-- Flow 1:

Average throughput: 103.00 Mbit/s

95th percentile per-packet one-way delay: 120.808 ms

Loss rate: 0.75%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 17:52:27

End at: 2018-06-05 17:52:57

Local clock offset: 0.045 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-06-05 19:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.38 Mbit/s

95th percentile per-packet one-way delay: 114.112 ms

Loss rate: 0.84%

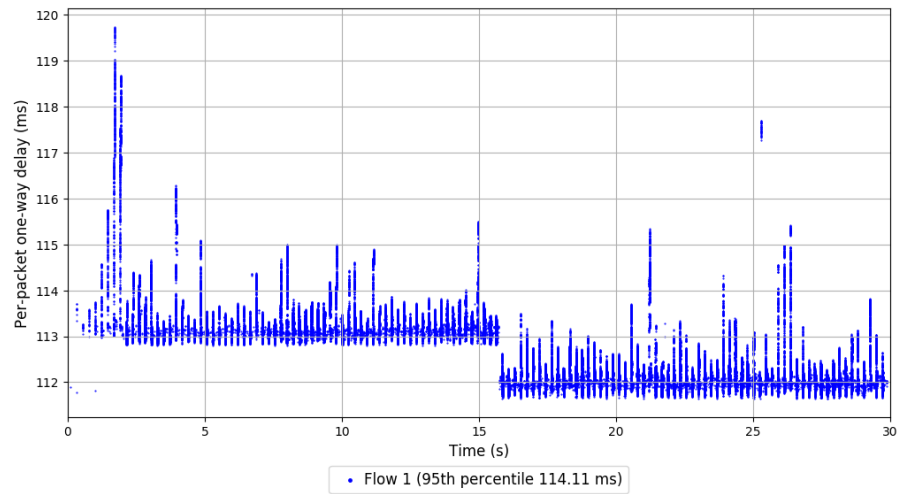
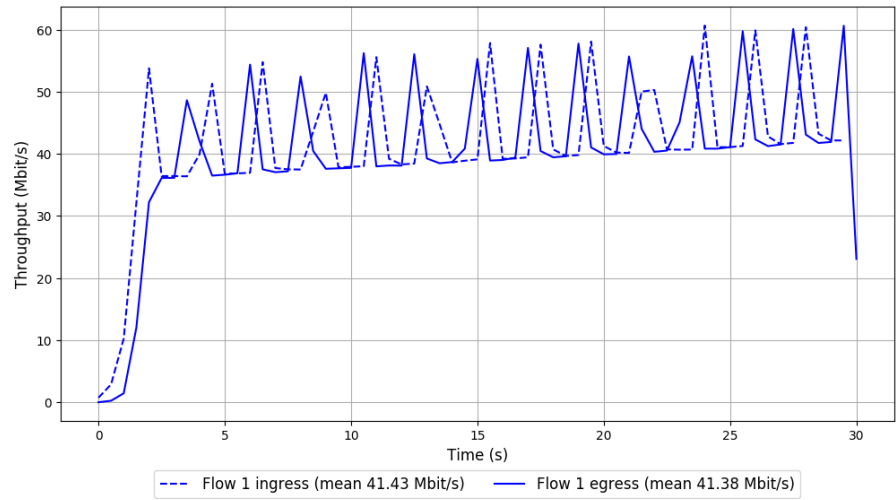
-- Flow 1:

Average throughput: 41.38 Mbit/s

95th percentile per-packet one-way delay: 114.112 ms

Loss rate: 0.84%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-05 14:39:21

End at: 2018-06-05 14:39:51

Local clock offset: -0.19 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-06-05 19:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.65 Mbit/s

95th percentile per-packet one-way delay: 140.896 ms

Loss rate: 1.48%

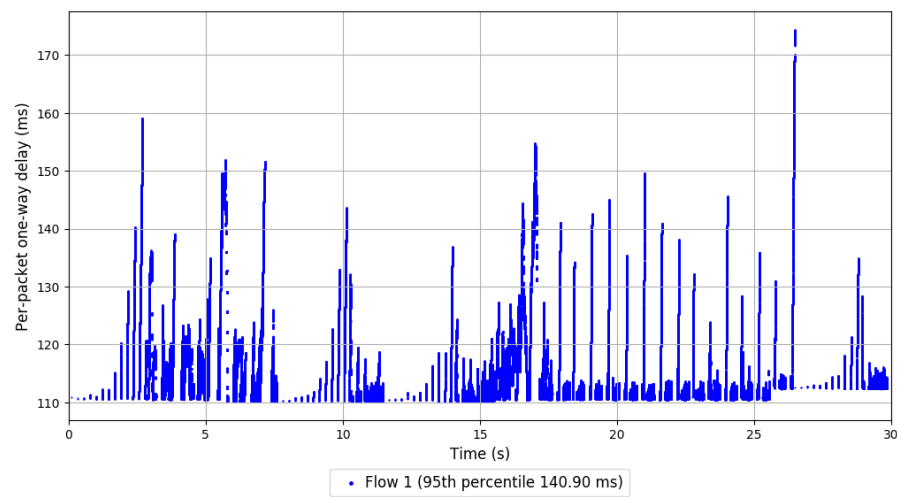
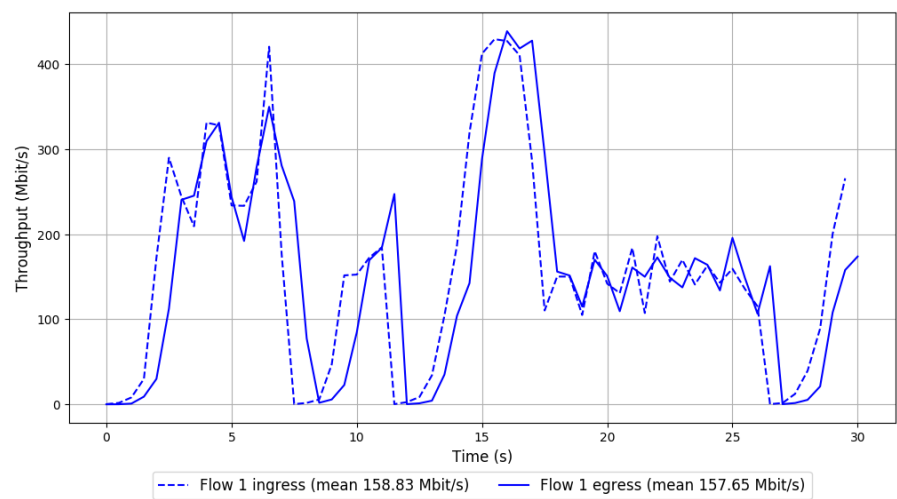
-- Flow 1:

Average throughput: 157.65 Mbit/s

95th percentile per-packet one-way delay: 140.896 ms

Loss rate: 1.48%

Run 1: Report of Verus — Data Link

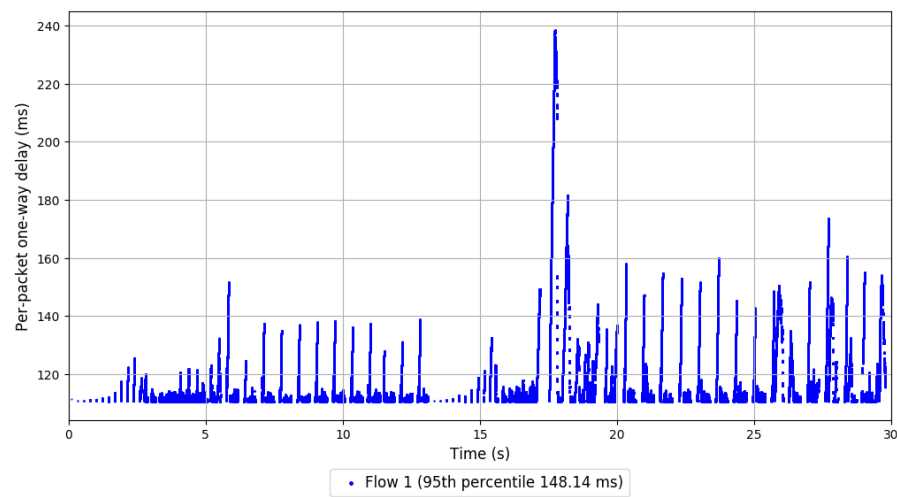
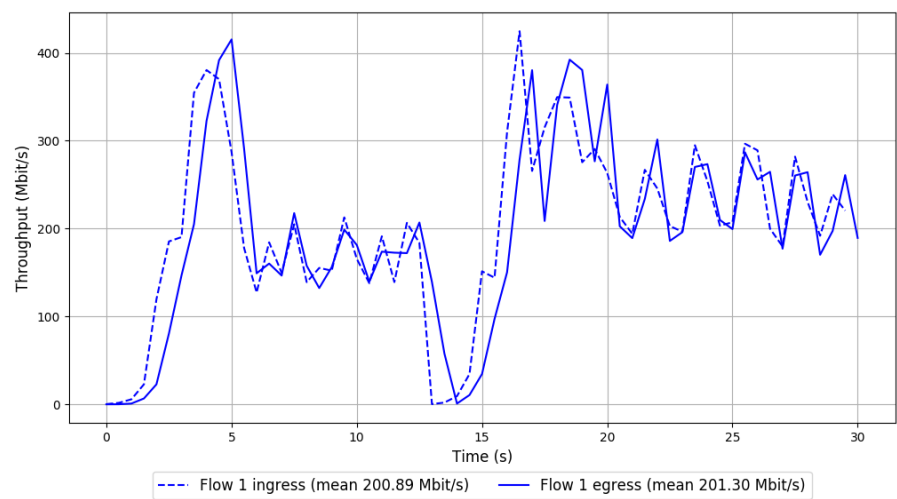


Run 2: Statistics of Verus

Start at: 2018-06-05 15:00:01
End at: 2018-06-05 15:00:31
Local clock offset: -0.221 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-06-05 19:05:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.30 Mbit/s
95th percentile per-packet one-way delay: 148.140 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 201.30 Mbit/s
95th percentile per-packet one-way delay: 148.140 ms
Loss rate: 0.74%

Run 2: Report of Verus — Data Link

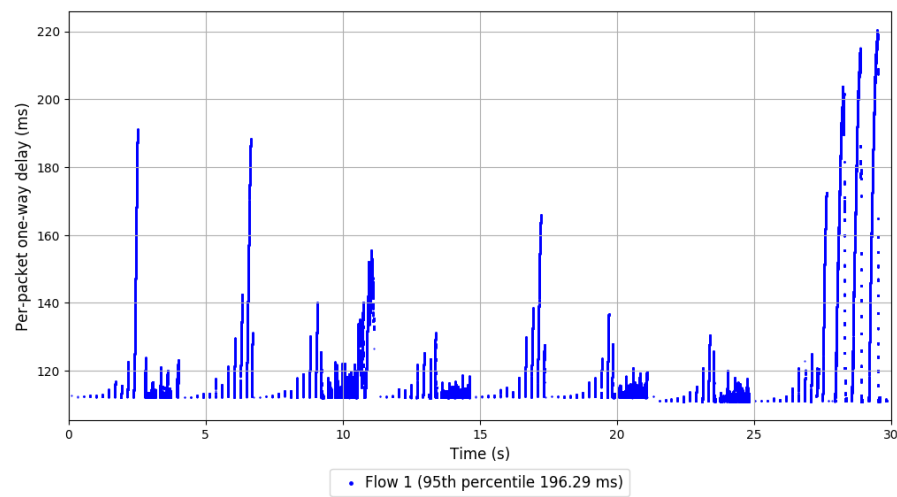
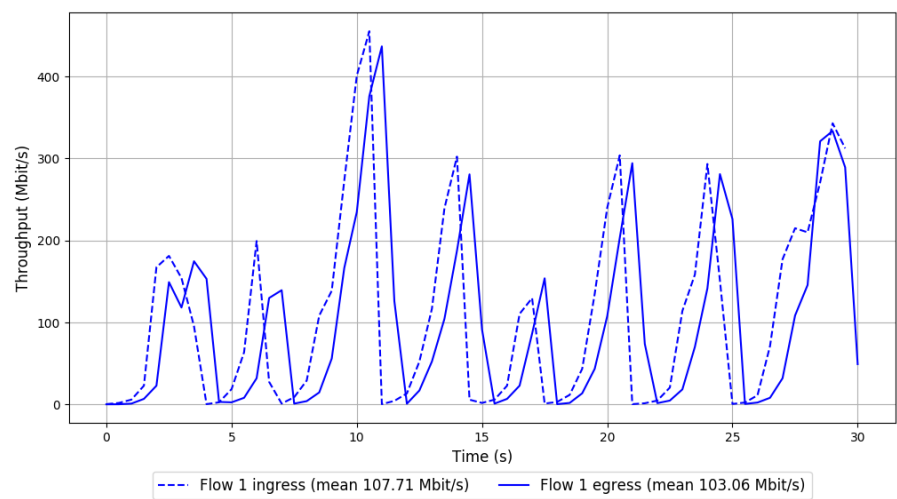


Run 3: Statistics of Verus

Start at: 2018-06-05 15:20:45
End at: 2018-06-05 15:21:15
Local clock offset: -0.164 ms
Remote clock offset: -0.396 ms

Below is generated by plot.py at 2018-06-05 19:05:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.06 Mbit/s
95th percentile per-packet one-way delay: 196.293 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 103.06 Mbit/s
95th percentile per-packet one-way delay: 196.293 ms
Loss rate: 5.02%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-05 15:41:08

End at: 2018-06-05 15:41:38

Local clock offset: 0.204 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-05 19:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.73 Mbit/s

95th percentile per-packet one-way delay: 190.858 ms

Loss rate: 1.35%

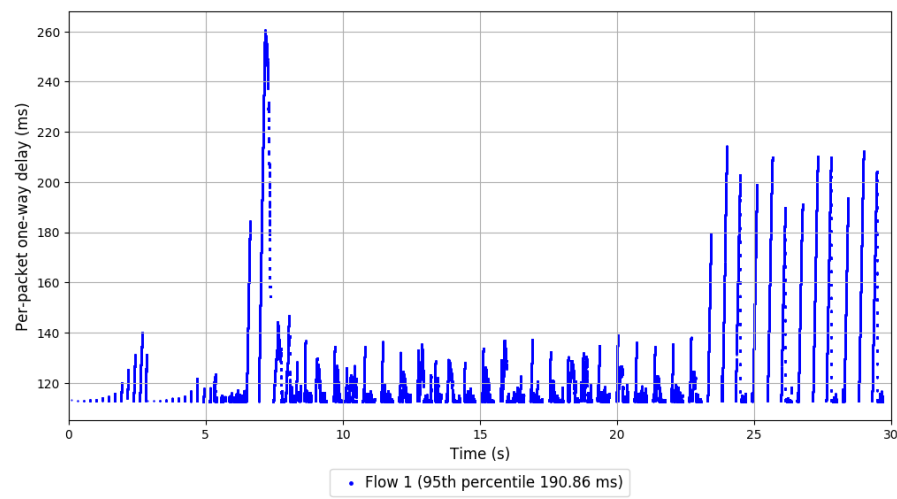
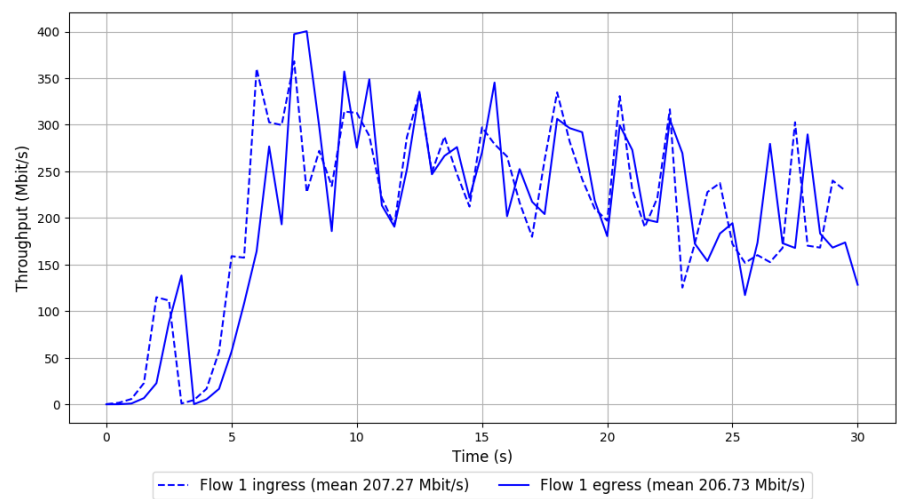
-- Flow 1:

Average throughput: 206.73 Mbit/s

95th percentile per-packet one-way delay: 190.858 ms

Loss rate: 1.35%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-05 16:02:15

End at: 2018-06-05 16:02:45

Local clock offset: -0.278 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-06-05 19:07:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.77 Mbit/s

95th percentile per-packet one-way delay: 209.682 ms

Loss rate: 1.10%

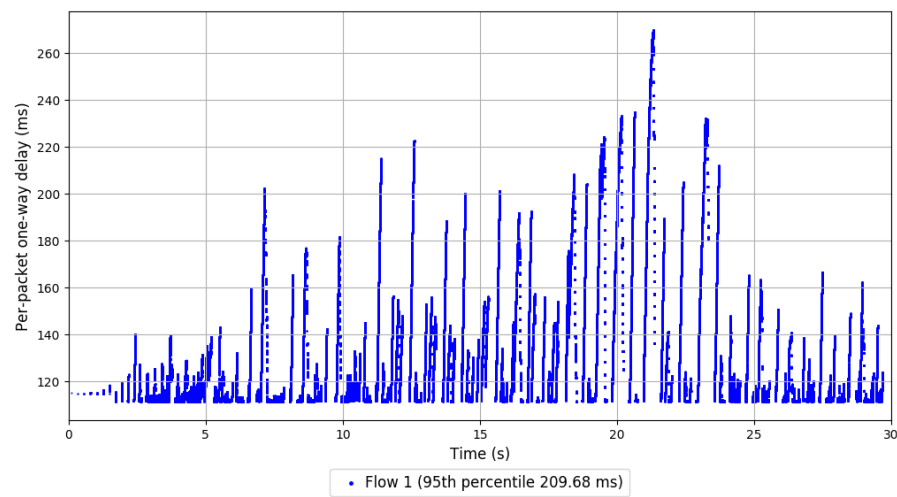
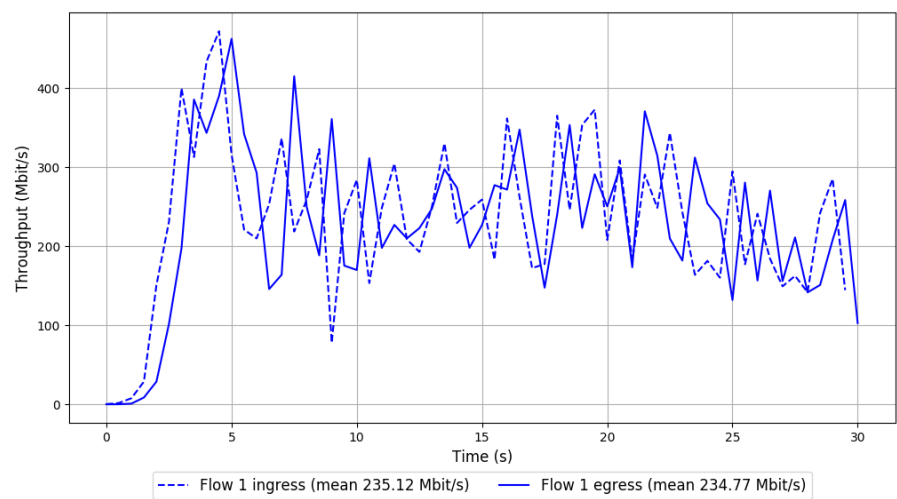
-- Flow 1:

Average throughput: 234.77 Mbit/s

95th percentile per-packet one-way delay: 209.682 ms

Loss rate: 1.10%

Run 5: Report of Verus — Data Link

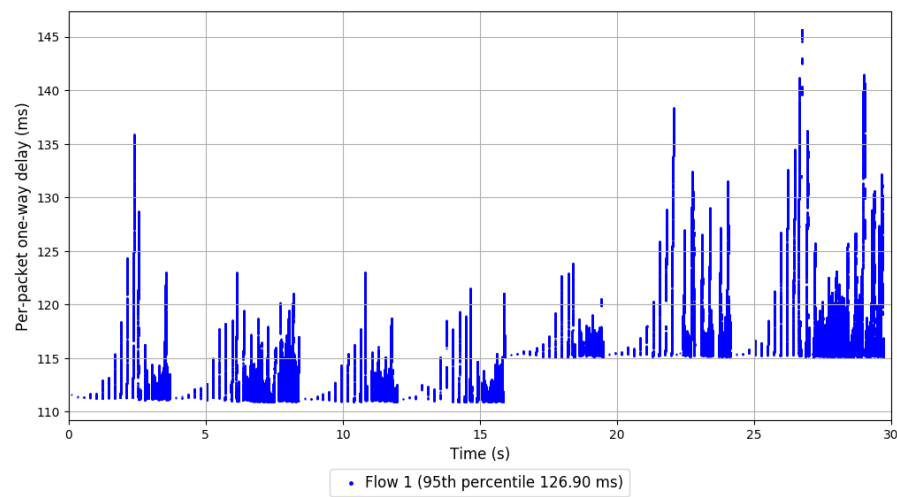
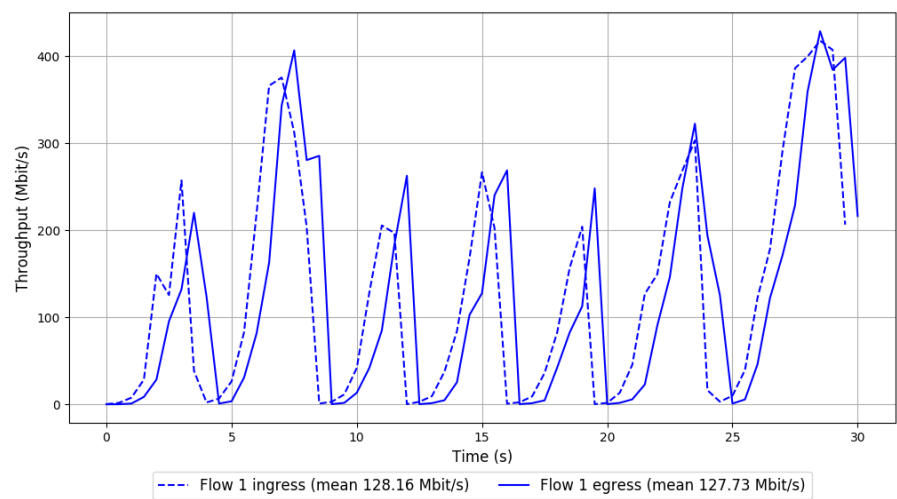


Run 6: Statistics of Verus

Start at: 2018-06-05 16:23:11
End at: 2018-06-05 16:23:41
Local clock offset: -0.059 ms
Remote clock offset: -0.408 ms

Below is generated by plot.py at 2018-06-05 19:07:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.73 Mbit/s
95th percentile per-packet one-way delay: 126.903 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 127.73 Mbit/s
95th percentile per-packet one-way delay: 126.903 ms
Loss rate: 1.31%

Run 6: Report of Verus — Data Link

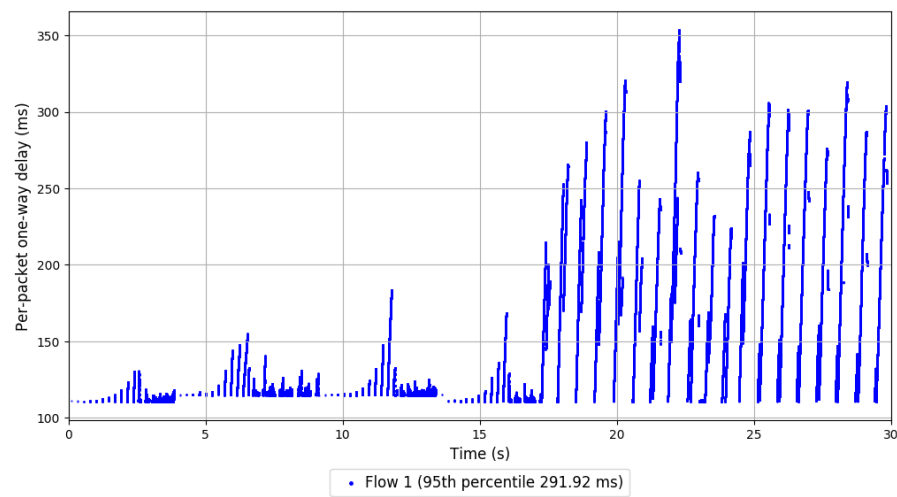
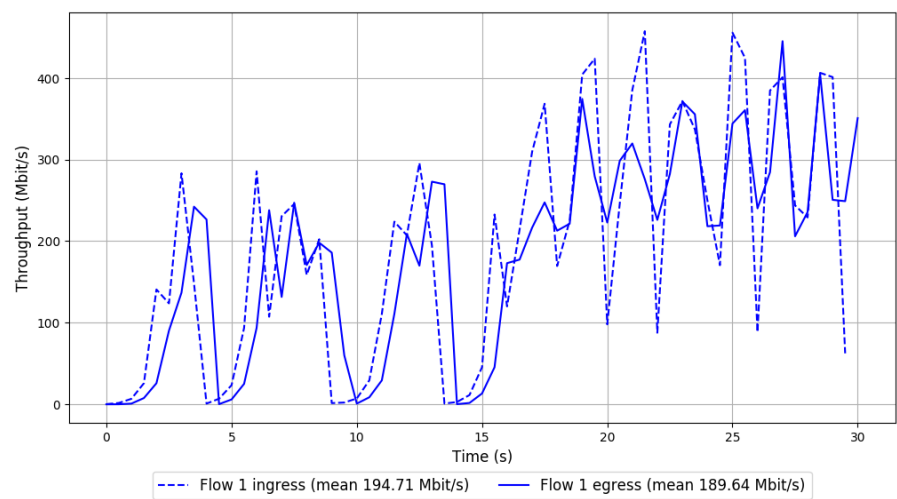


Run 7: Statistics of Verus

Start at: 2018-06-05 16:43:33
End at: 2018-06-05 16:44:03
Local clock offset: -0.21 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-06-05 19:07:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.64 Mbit/s
95th percentile per-packet one-way delay: 291.915 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 189.64 Mbit/s
95th percentile per-packet one-way delay: 291.915 ms
Loss rate: 2.14%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-05 17:04:19

End at: 2018-06-05 17:04:50

Local clock offset: 0.029 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-06-05 19:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.97 Mbit/s

95th percentile per-packet one-way delay: 152.191 ms

Loss rate: 0.57%

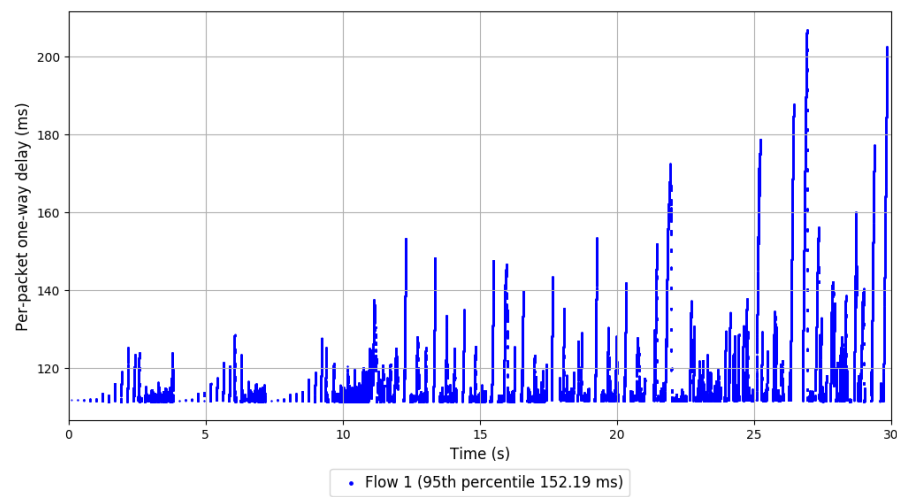
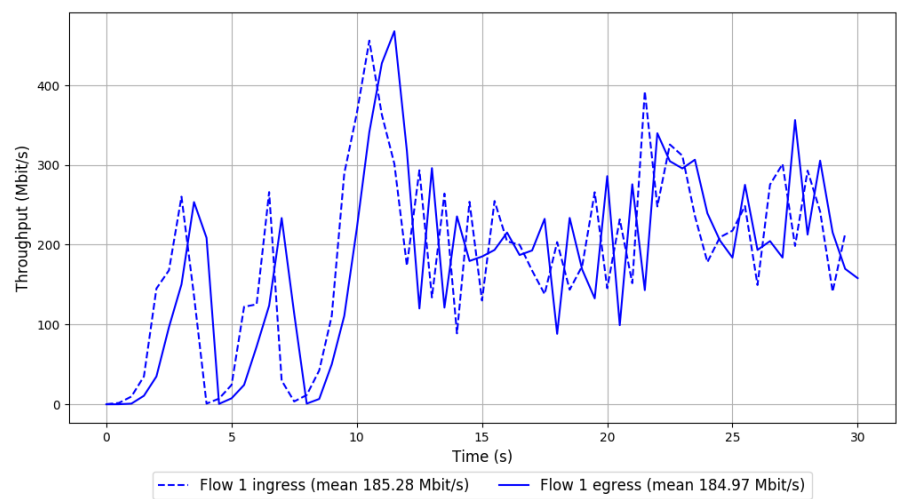
-- Flow 1:

Average throughput: 184.97 Mbit/s

95th percentile per-packet one-way delay: 152.191 ms

Loss rate: 0.57%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-05 17:25:08

End at: 2018-06-05 17:25:38

Local clock offset: -0.305 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-05 19:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.32 Mbit/s

95th percentile per-packet one-way delay: 202.858 ms

Loss rate: 0.90%

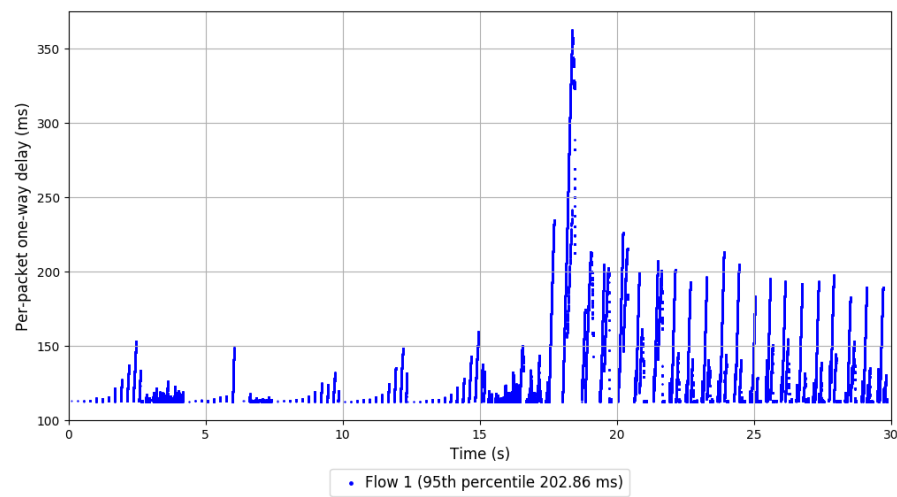
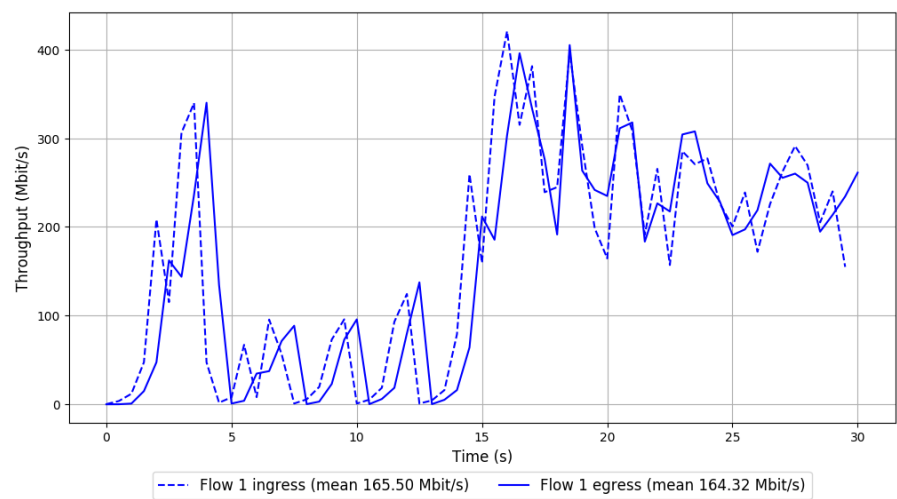
-- Flow 1:

Average throughput: 164.32 Mbit/s

95th percentile per-packet one-way delay: 202.858 ms

Loss rate: 0.90%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-05 17:45:54

End at: 2018-06-05 17:46:24

Local clock offset: -0.326 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-06-05 19:07:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.35 Mbit/s

95th percentile per-packet one-way delay: 127.947 ms

Loss rate: 0.00%

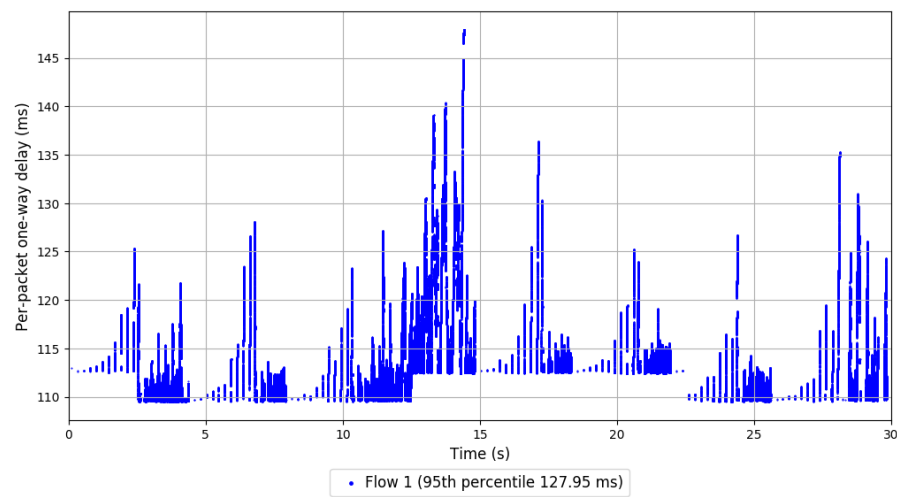
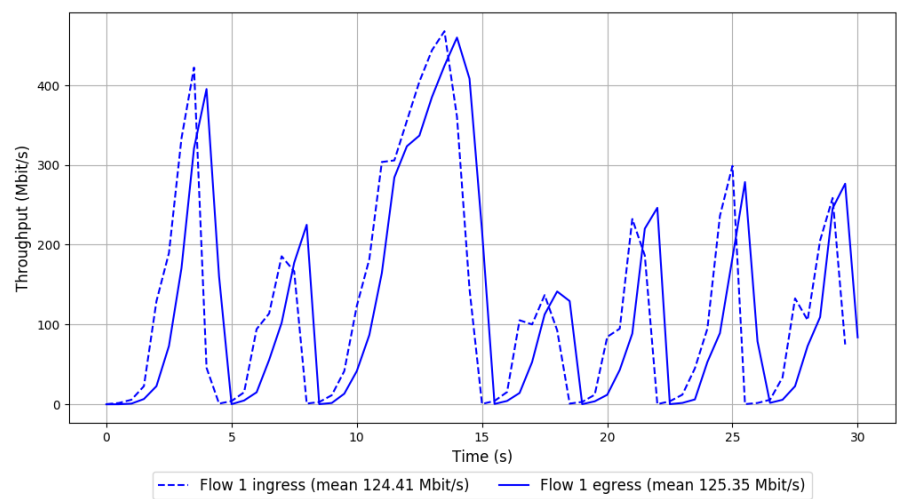
-- Flow 1:

Average throughput: 125.35 Mbit/s

95th percentile per-packet one-way delay: 127.947 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link

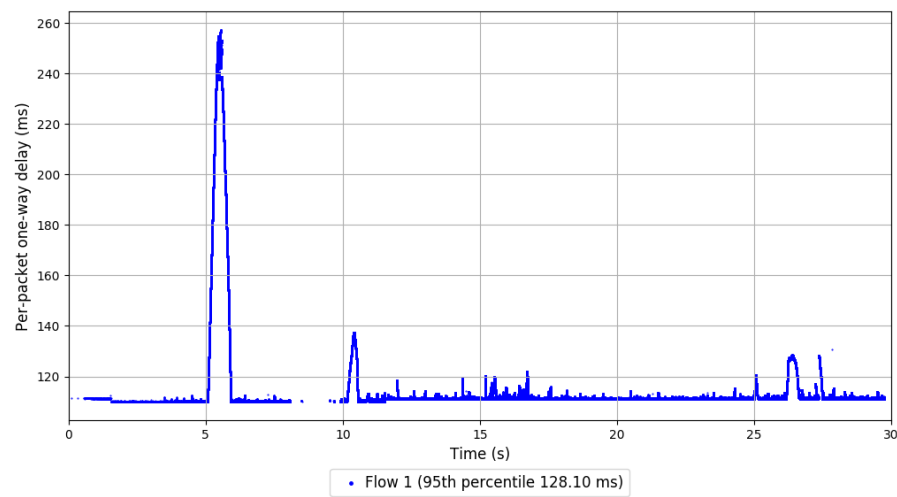
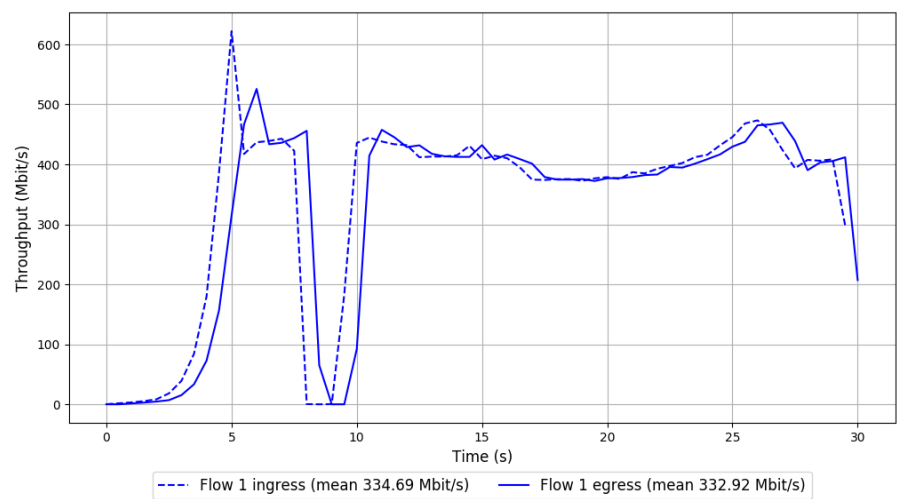


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 14:35:05
End at: 2018-06-05 14:35:35
Local clock offset: -0.151 ms
Remote clock offset: -0.509 ms

Below is generated by plot.py at 2018-06-05 19:11:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 332.92 Mbit/s
95th percentile per-packet one-way delay: 128.105 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 332.92 Mbit/s
95th percentile per-packet one-way delay: 128.105 ms
Loss rate: 1.27%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 14:55:40

End at: 2018-06-05 14:56:10

Local clock offset: 0.034 ms

Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-06-05 19:12:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 371.71 Mbit/s

95th percentile per-packet one-way delay: 122.576 ms

Loss rate: 0.86%

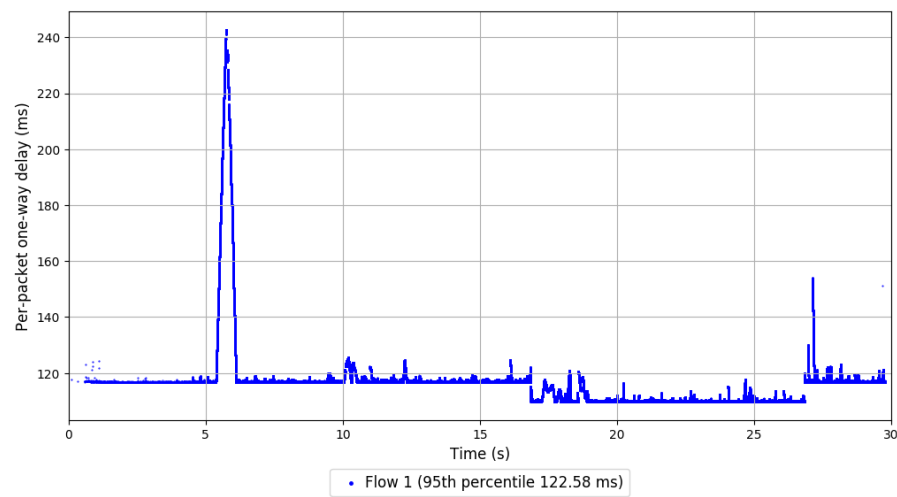
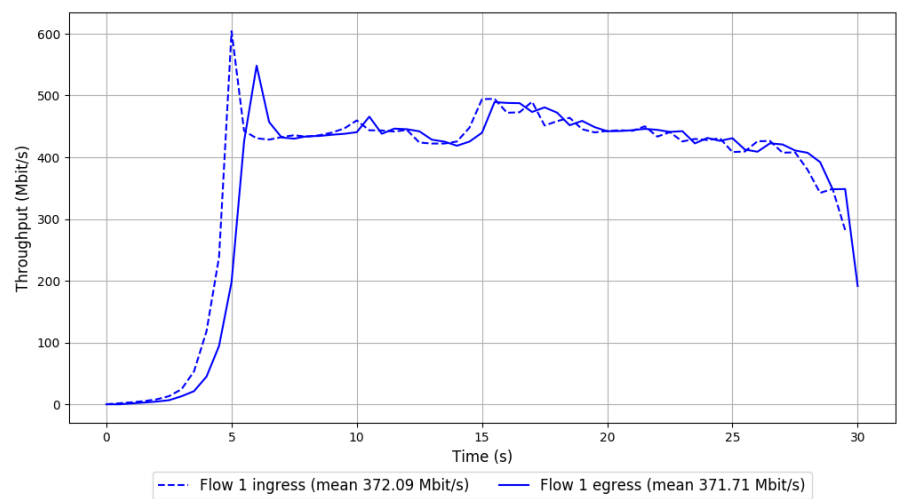
-- Flow 1:

Average throughput: 371.71 Mbit/s

95th percentile per-packet one-way delay: 122.576 ms

Loss rate: 0.86%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 15:16:21

End at: 2018-06-05 15:16:51

Local clock offset: -0.111 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-05 19:12:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.28 Mbit/s

95th percentile per-packet one-way delay: 160.965 ms

Loss rate: 0.79%

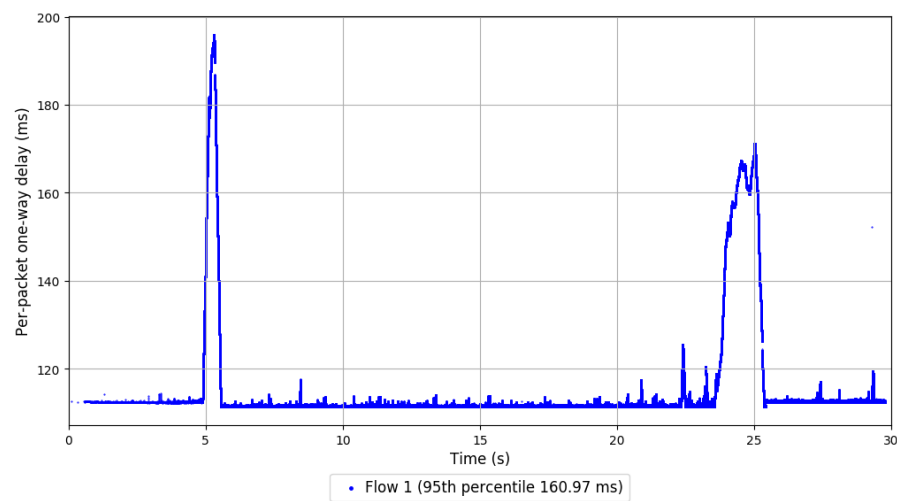
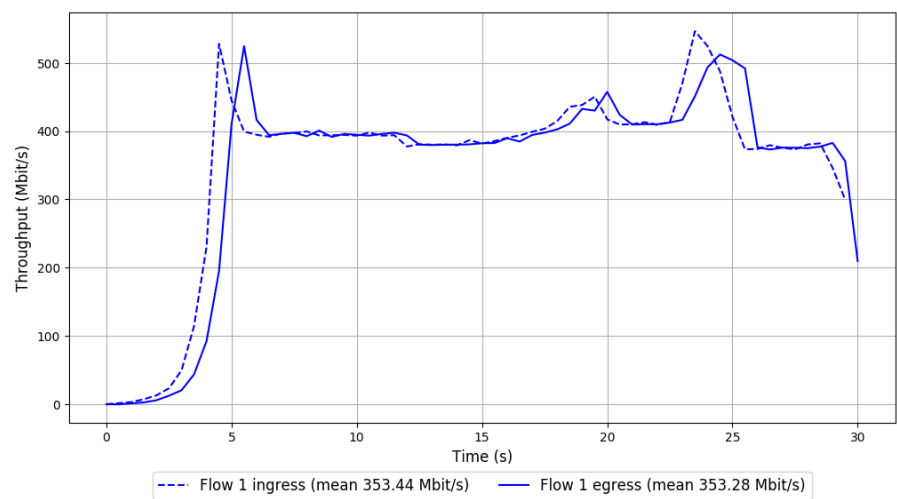
-- Flow 1:

Average throughput: 353.28 Mbit/s

95th percentile per-packet one-way delay: 160.965 ms

Loss rate: 0.79%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 15:36:59

End at: 2018-06-05 15:37:29

Local clock offset: 0.179 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-05 19:12:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.85 Mbit/s

95th percentile per-packet one-way delay: 133.897 ms

Loss rate: 1.66%

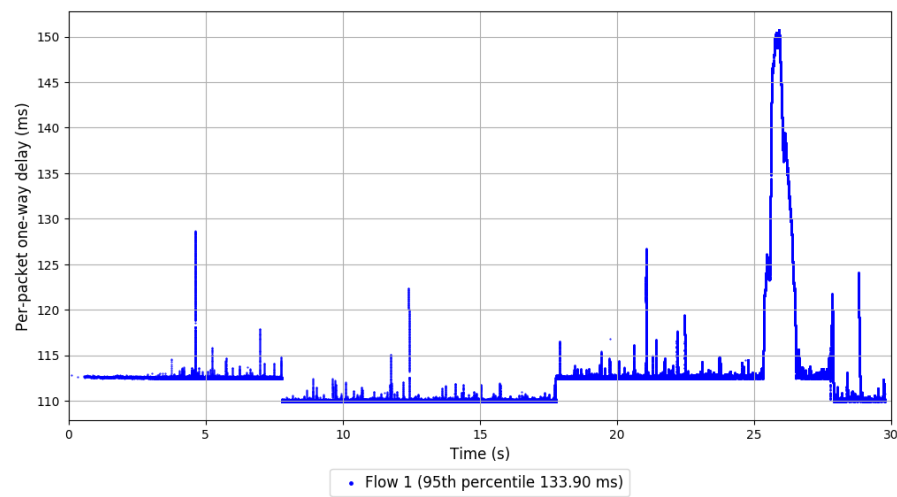
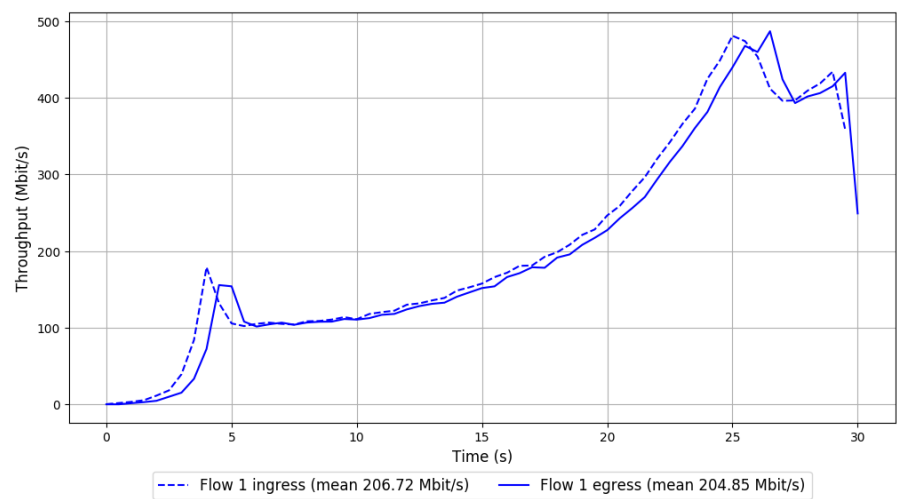
-- Flow 1:

Average throughput: 204.85 Mbit/s

95th percentile per-packet one-way delay: 133.897 ms

Loss rate: 1.66%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 15:57:53

End at: 2018-06-05 15:58:23

Local clock offset: 0.203 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-06-05 19:13:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.17 Mbit/s

95th percentile per-packet one-way delay: 112.106 ms

Loss rate: 0.89%

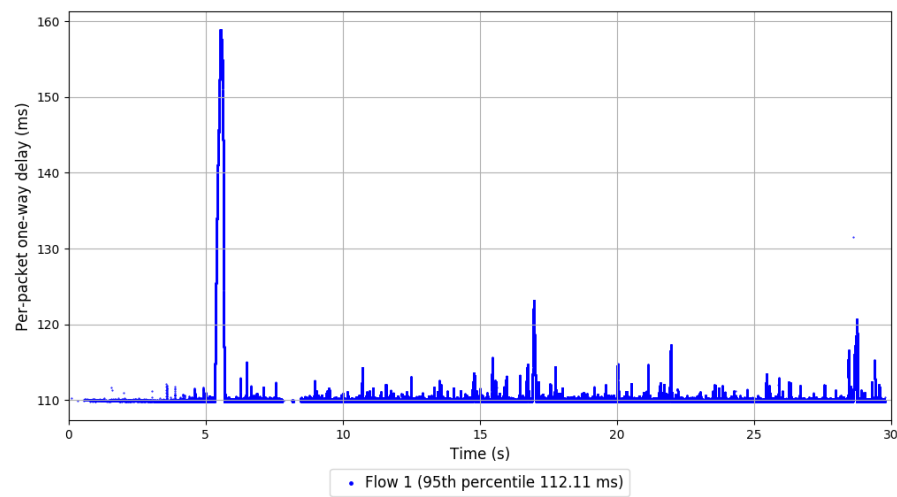
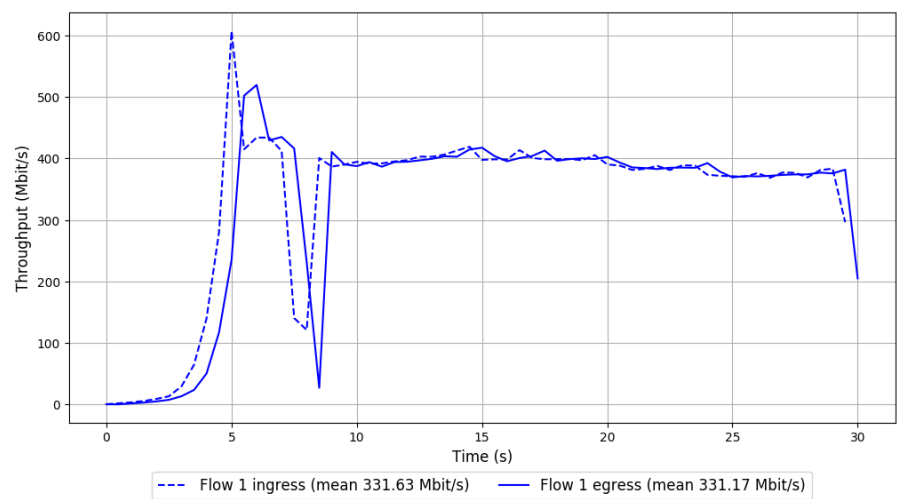
-- Flow 1:

Average throughput: 331.17 Mbit/s

95th percentile per-packet one-way delay: 112.106 ms

Loss rate: 0.89%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 16:18:50

End at: 2018-06-05 16:19:20

Local clock offset: -0.176 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-06-05 19:13:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.02 Mbit/s

95th percentile per-packet one-way delay: 114.249 ms

Loss rate: 0.95%

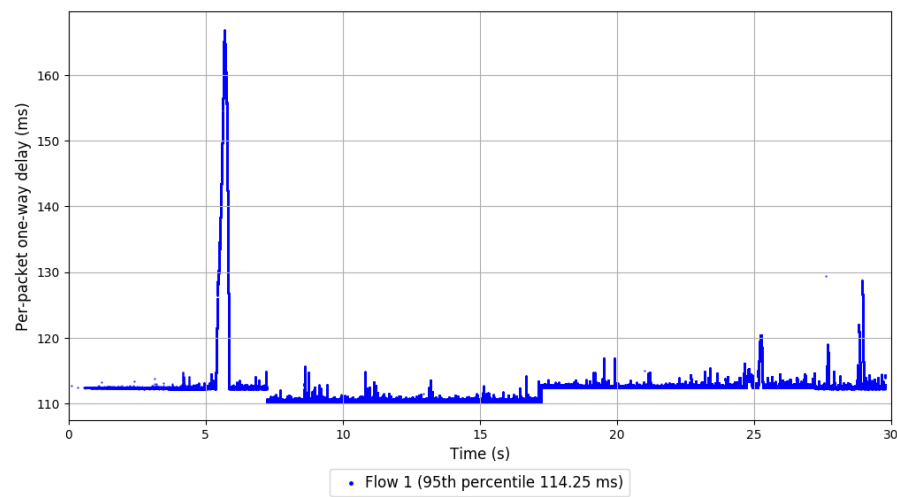
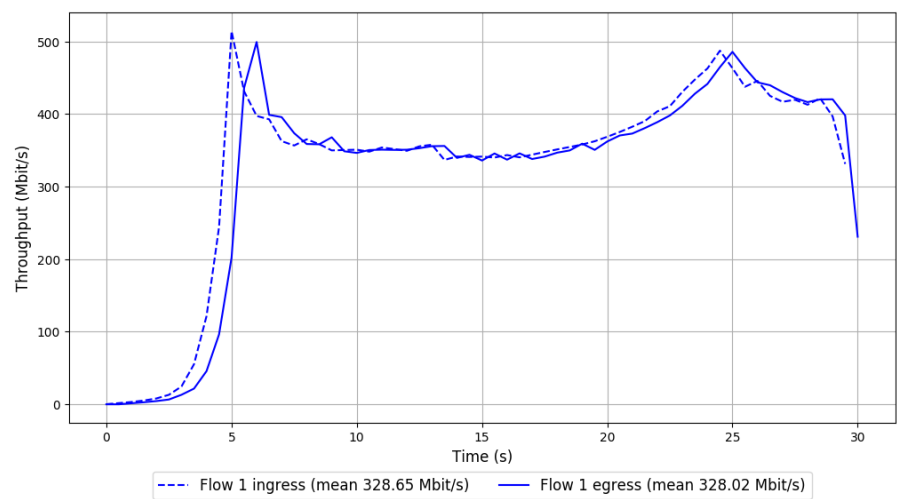
-- Flow 1:

Average throughput: 328.02 Mbit/s

95th percentile per-packet one-way delay: 114.249 ms

Loss rate: 0.95%

Run 6: Report of PCC-Vivace — Data Link

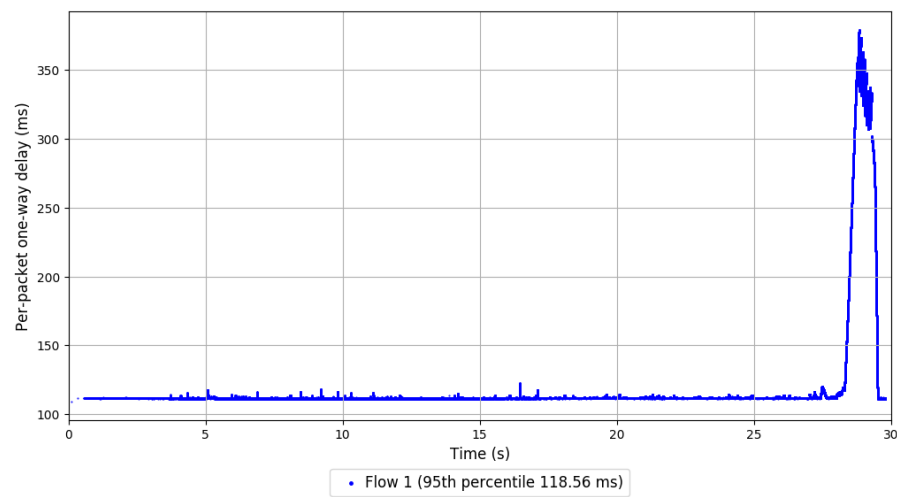
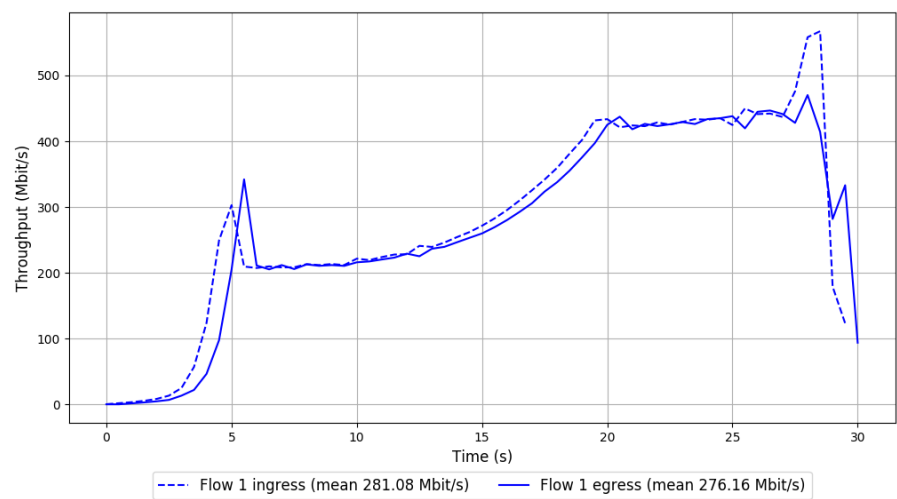


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 16:39:17
End at: 2018-06-05 16:39:47
Local clock offset: -0.09 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-05 19:13:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 276.16 Mbit/s
95th percentile per-packet one-way delay: 118.559 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 276.16 Mbit/s
95th percentile per-packet one-way delay: 118.559 ms
Loss rate: 2.47%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 16:59:59

End at: 2018-06-05 17:00:29

Local clock offset: -0.309 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-06-05 19:13:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.62 Mbit/s

95th percentile per-packet one-way delay: 124.426 ms

Loss rate: 0.81%

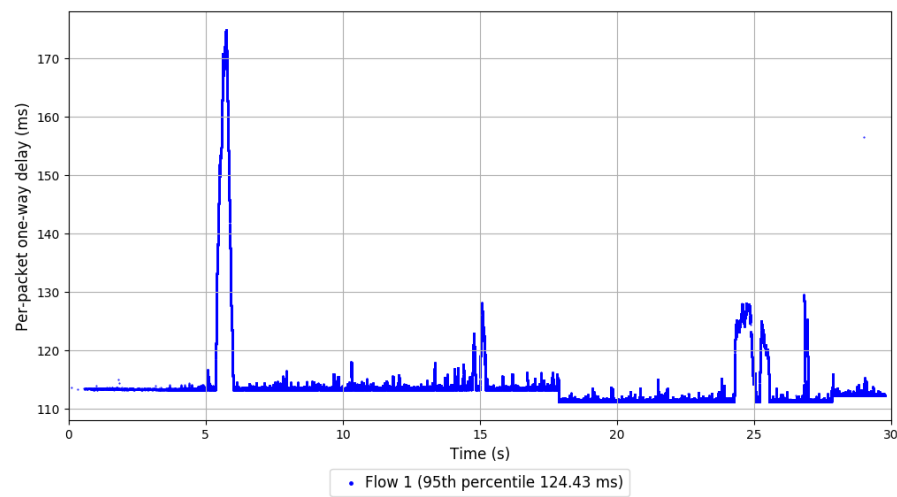
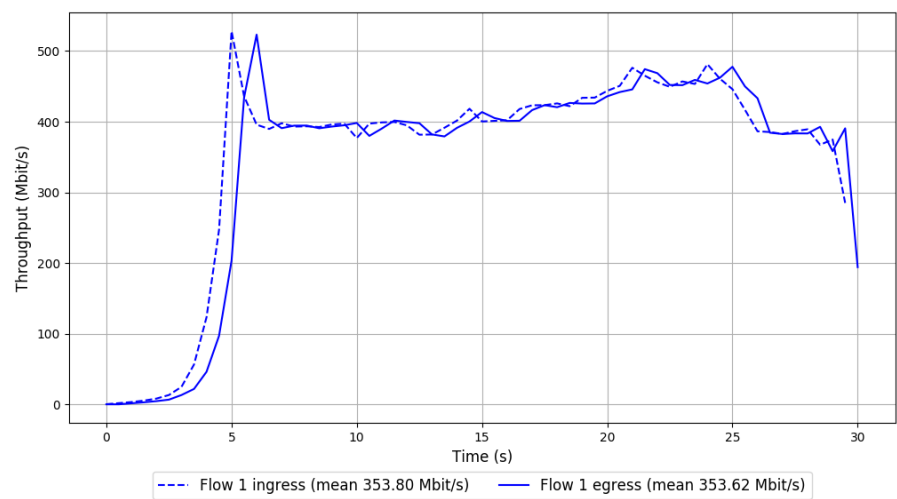
-- Flow 1:

Average throughput: 353.62 Mbit/s

95th percentile per-packet one-way delay: 124.426 ms

Loss rate: 0.81%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 17:20:53

End at: 2018-06-05 17:21:23

Local clock offset: 0.029 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-05 19:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.34 Mbit/s

95th percentile per-packet one-way delay: 112.972 ms

Loss rate: 1.35%

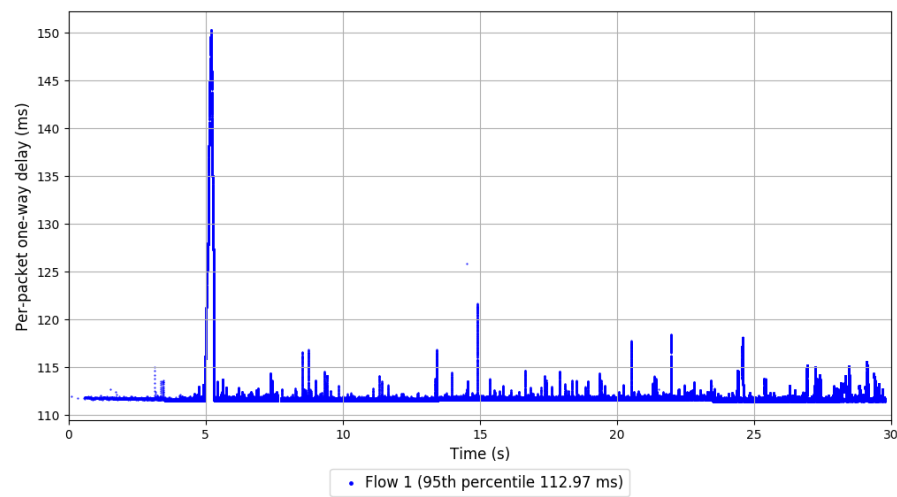
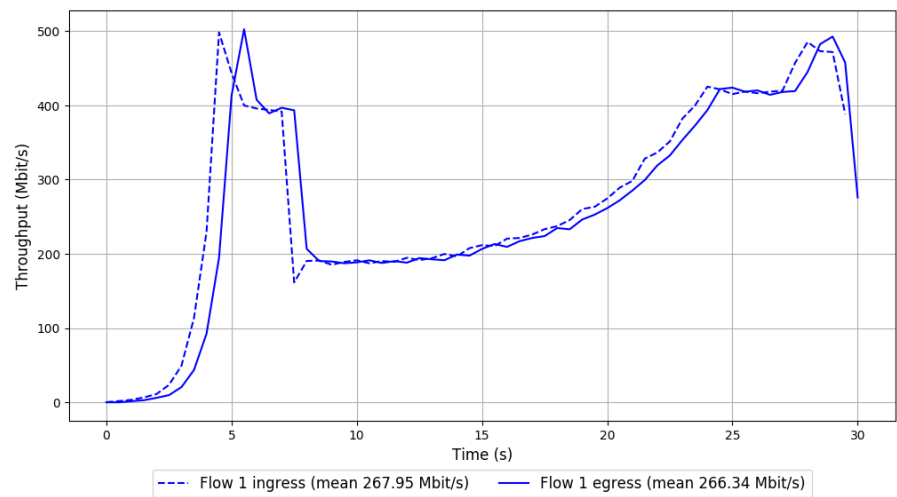
-- Flow 1:

Average throughput: 266.34 Mbit/s

95th percentile per-packet one-way delay: 112.972 ms

Loss rate: 1.35%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 17:41:30

End at: 2018-06-05 17:42:00

Local clock offset: -0.132 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-05 19:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.90 Mbit/s

95th percentile per-packet one-way delay: 115.602 ms

Loss rate: 0.82%

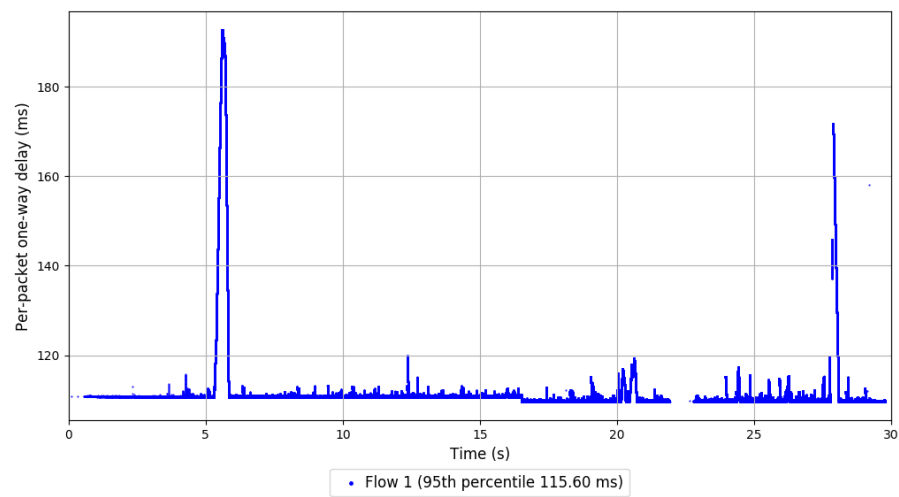
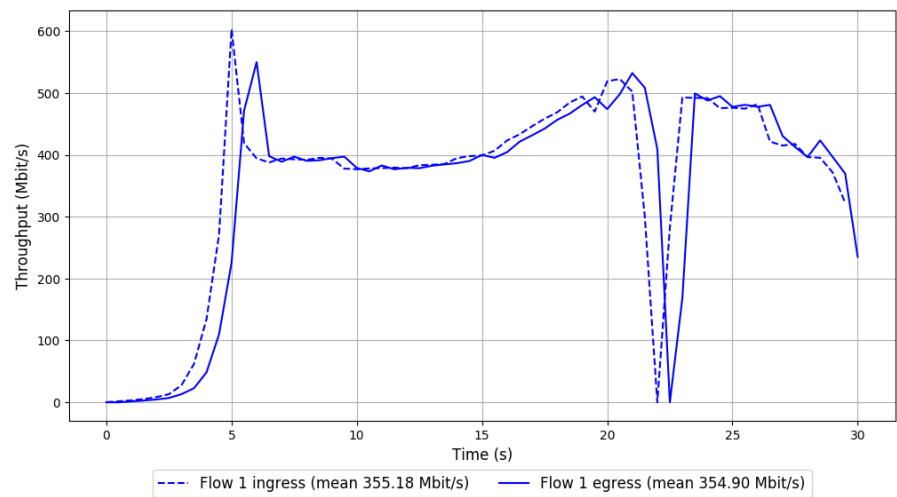
-- Flow 1:

Average throughput: 354.90 Mbit/s

95th percentile per-packet one-way delay: 115.602 ms

Loss rate: 0.82%

Run 10: Report of PCC-Vivace — Data Link

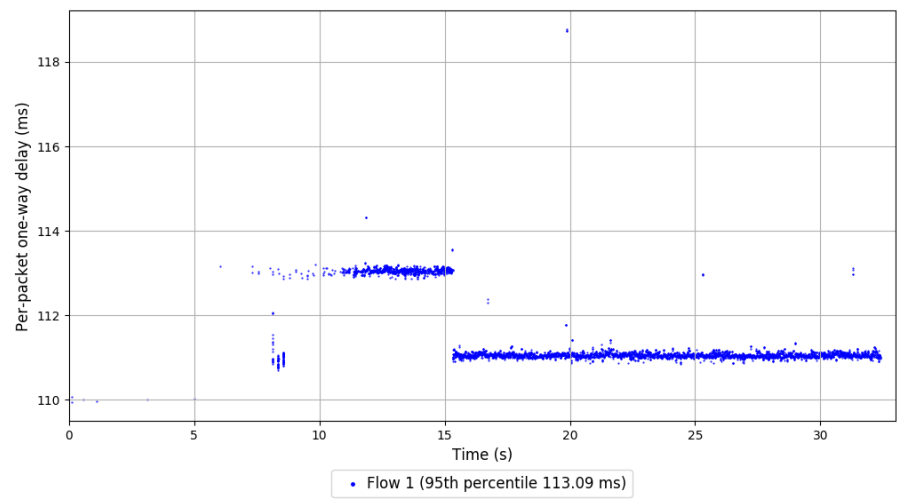
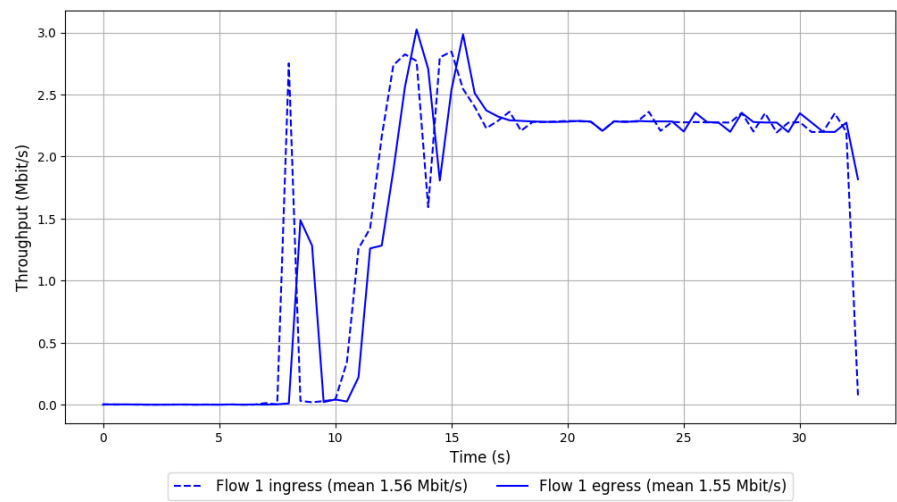


Run 1: Statistics of WebRTC media

Start at: 2018-06-05 14:29:04
End at: 2018-06-05 14:29:34
Local clock offset: -0.093 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-06-05 19:13:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 113.090 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 113.090 ms
Loss rate: 0.97%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-05 14:49:46

End at: 2018-06-05 14:50:16

Local clock offset: -0.362 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2018-06-05 19:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 112.511 ms

Loss rate: 0.81%

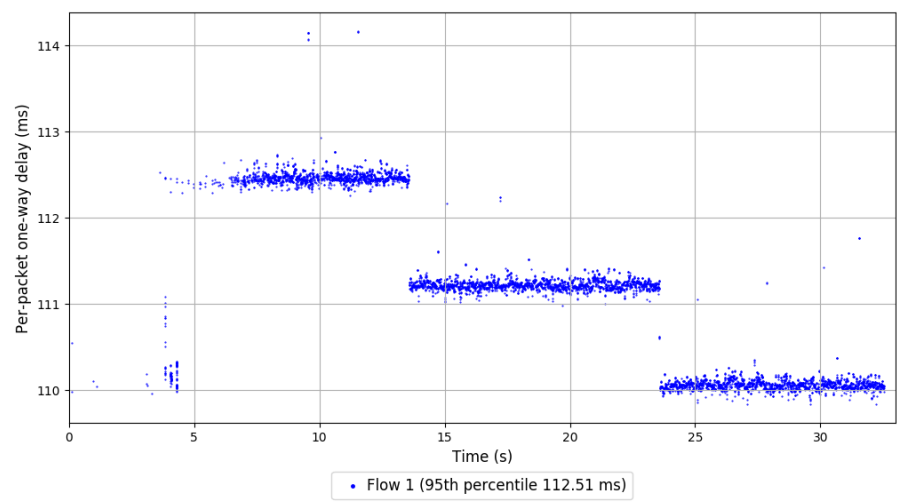
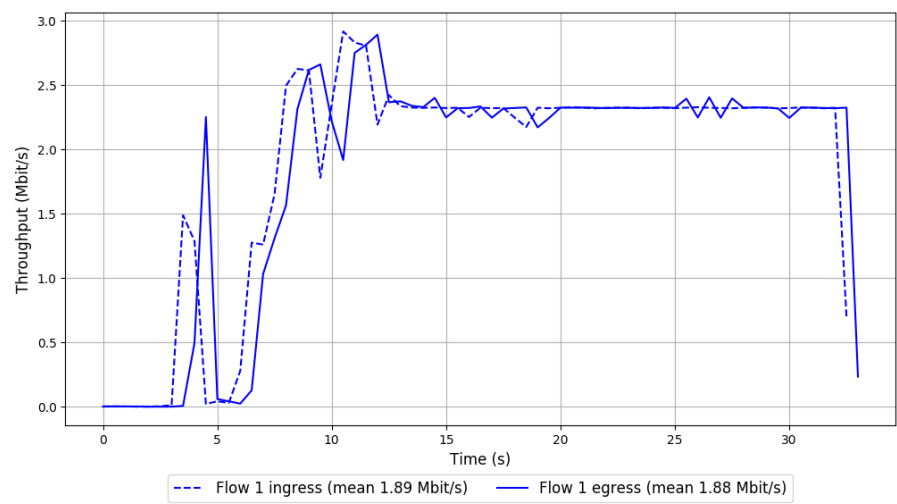
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 112.511 ms

Loss rate: 0.81%

Run 2: Report of WebRTC media — Data Link

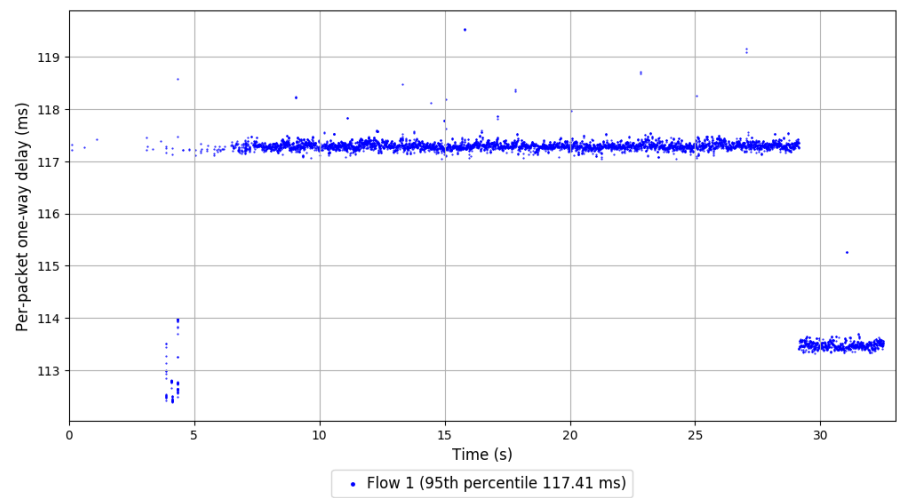
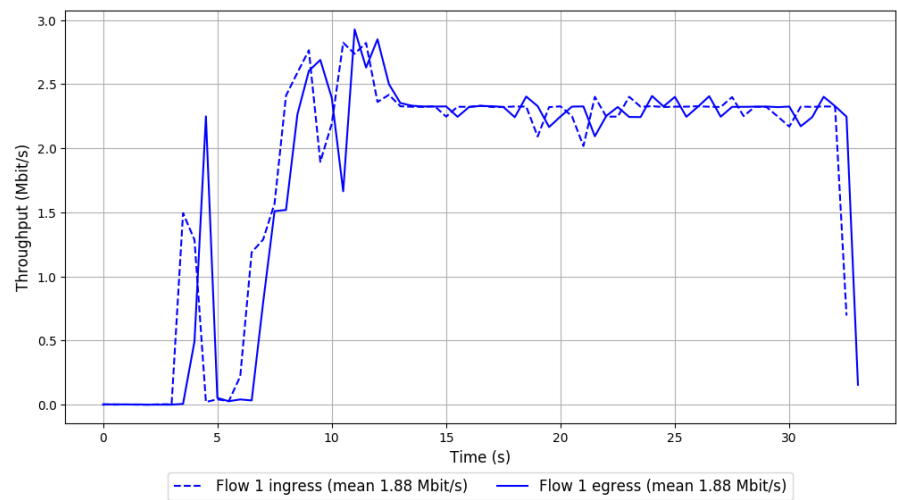


Run 3: Statistics of WebRTC media

Start at: 2018-06-05 15:10:10
End at: 2018-06-05 15:10:40
Local clock offset: -0.057 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-06-05 19:13:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 117.409 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 117.409 ms
Loss rate: 0.88%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-05 15:31:03

End at: 2018-06-05 15:31:33

Local clock offset: -0.181 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-06-05 19:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 112.202 ms

Loss rate: 0.88%

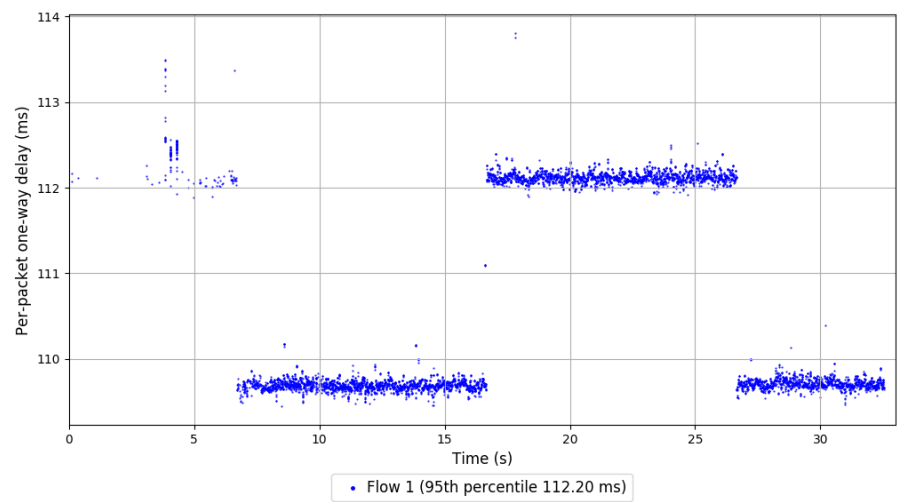
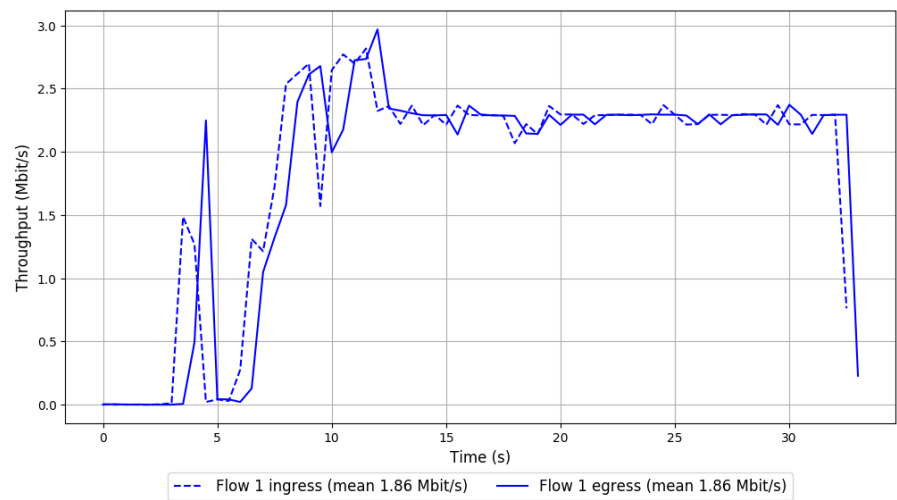
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 112.202 ms

Loss rate: 0.88%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-05 15:51:53

End at: 2018-06-05 15:52:23

Local clock offset: -0.093 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-06-05 19:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 112.139 ms

Loss rate: 0.88%

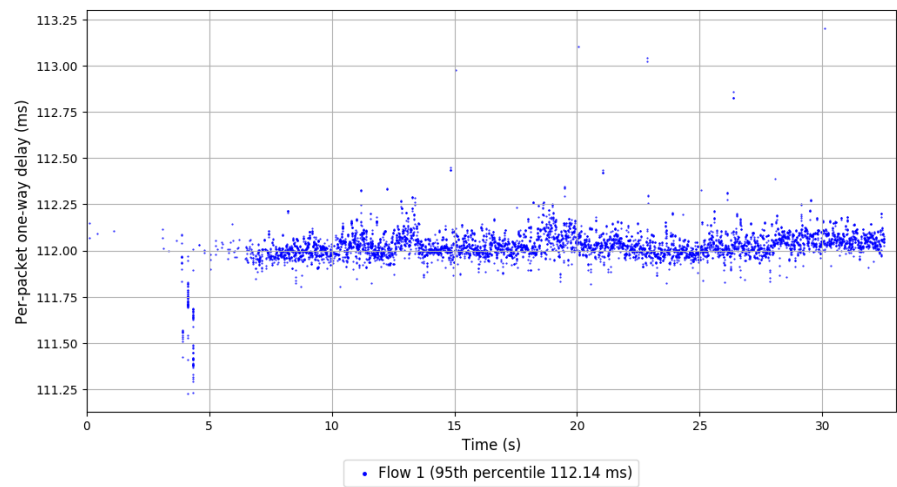
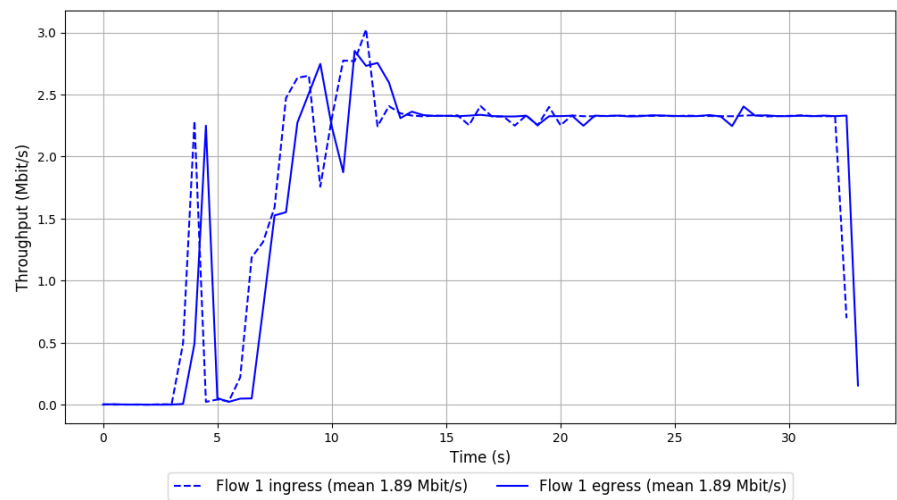
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 112.139 ms

Loss rate: 0.88%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-05 16:12:43

End at: 2018-06-05 16:13:13

Local clock offset: -0.047 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-05 19:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 113.130 ms

Loss rate: 0.81%

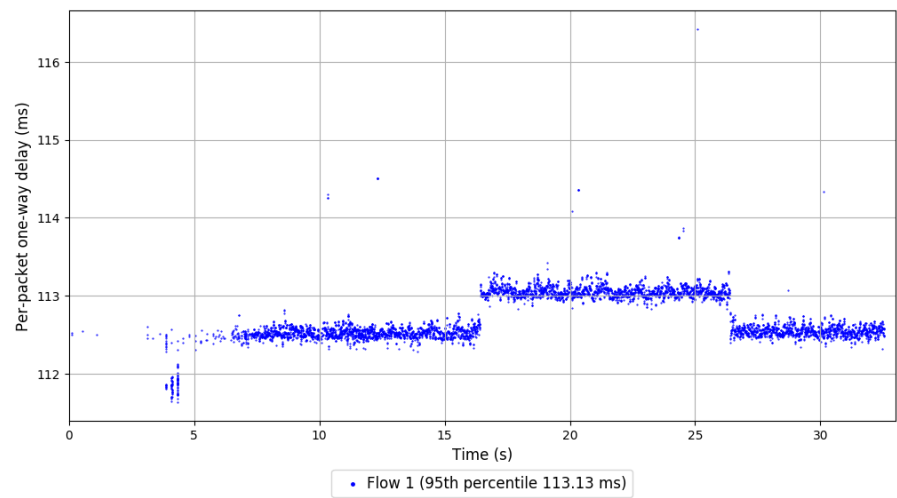
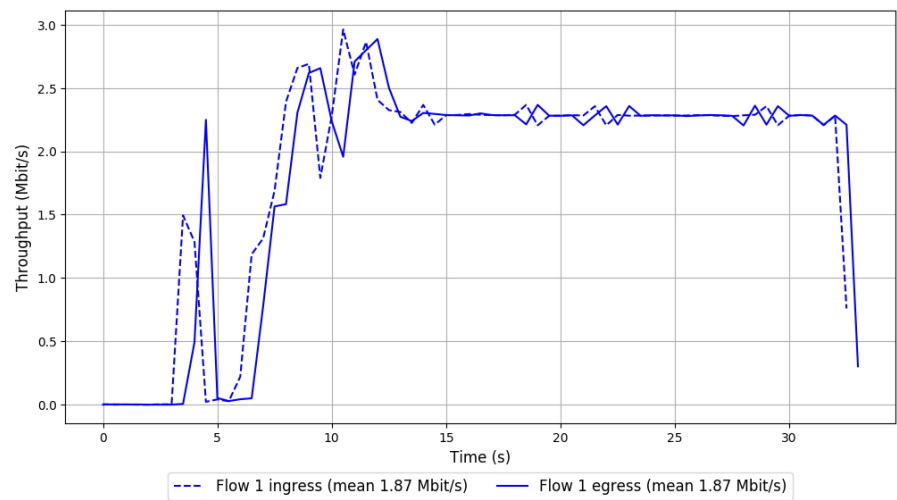
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 113.130 ms

Loss rate: 0.81%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-05 16:33:17

End at: 2018-06-05 16:33:48

Local clock offset: -0.026 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-06-05 19:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 112.769 ms

Loss rate: 0.88%

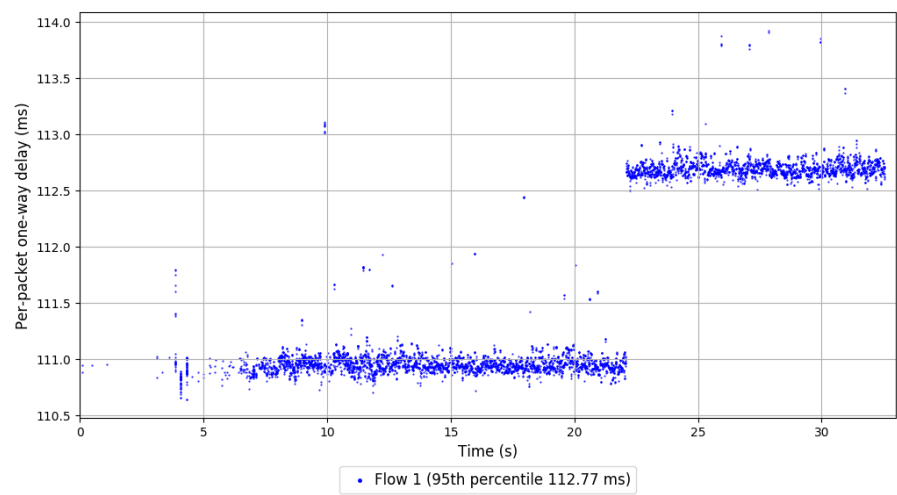
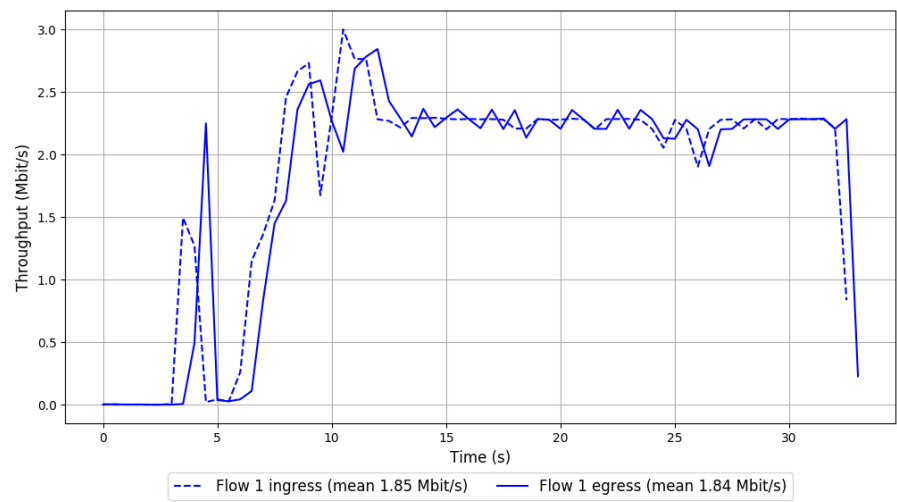
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 112.769 ms

Loss rate: 0.88%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-05 16:54:01

End at: 2018-06-05 16:54:31

Local clock offset: -0.128 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-06-05 19:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 111.091 ms

Loss rate: 0.81%

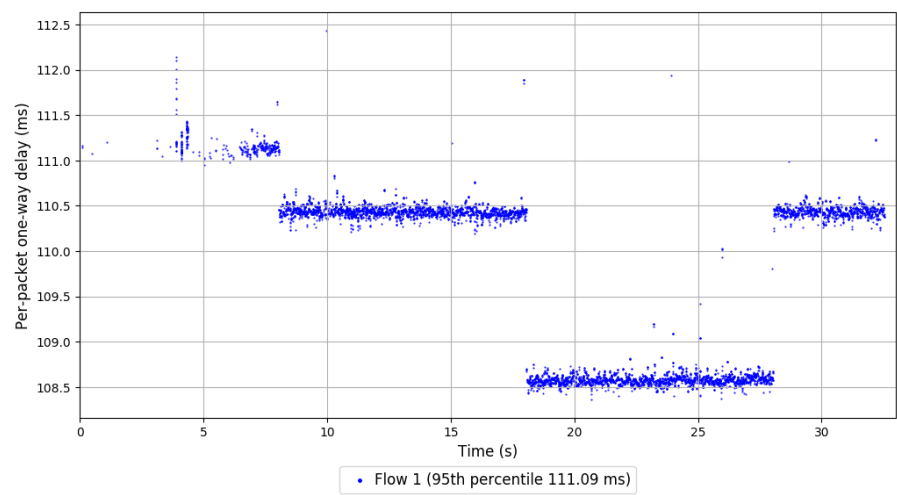
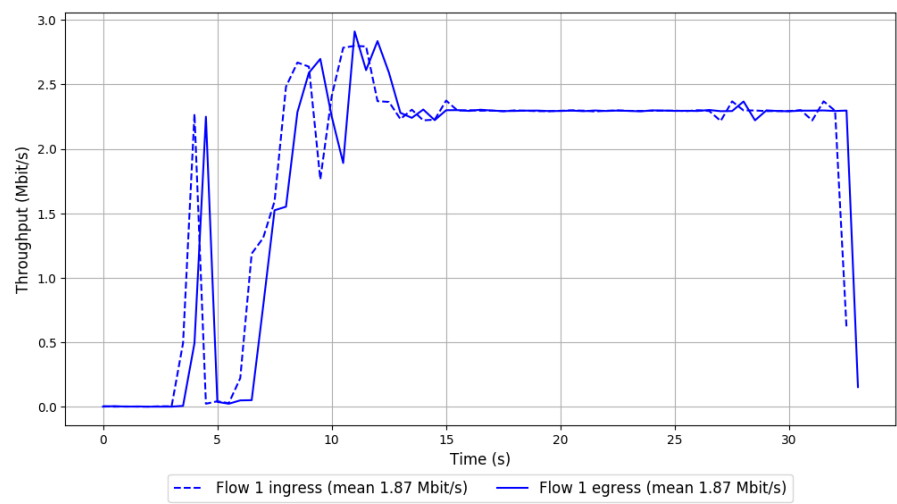
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 111.091 ms

Loss rate: 0.81%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-05 17:14:53

End at: 2018-06-05 17:15:23

Local clock offset: -0.049 ms

Remote clock offset: 0.401 ms

Below is generated by plot.py at 2018-06-05 19:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 114.303 ms

Loss rate: 0.81%

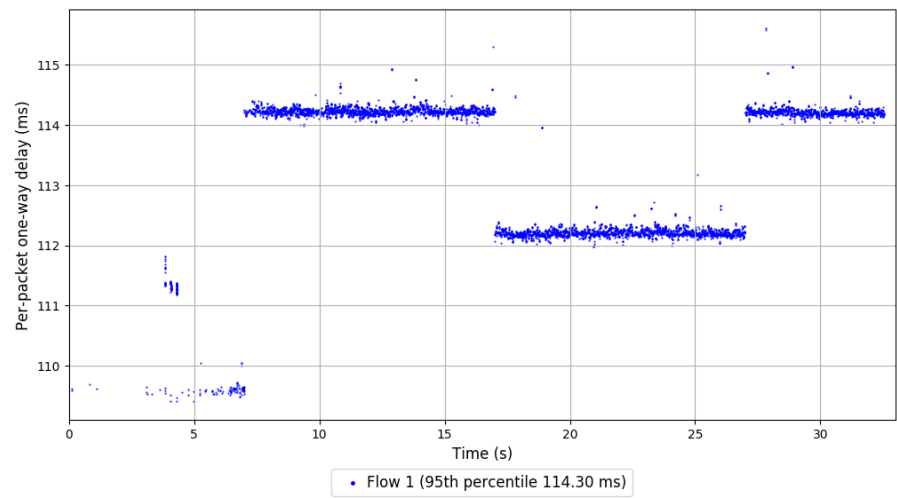
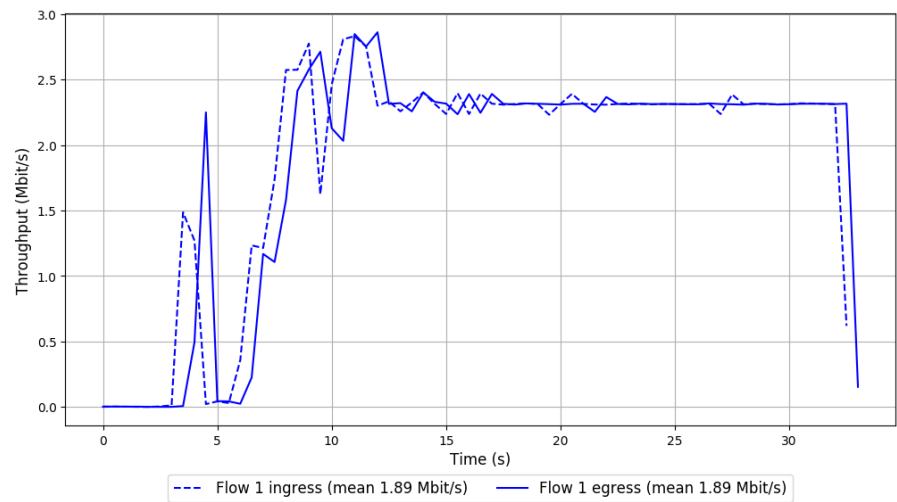
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 114.303 ms

Loss rate: 0.81%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 17:35:36

End at: 2018-06-05 17:36:06

Local clock offset: 0.01 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-05 19:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 113.099 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 113.099 ms

Loss rate: 0.86%

Run 10: Report of WebRTC media — Data Link

