

Pantheon Report

Generated at 2018-07-10 13:06:23 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

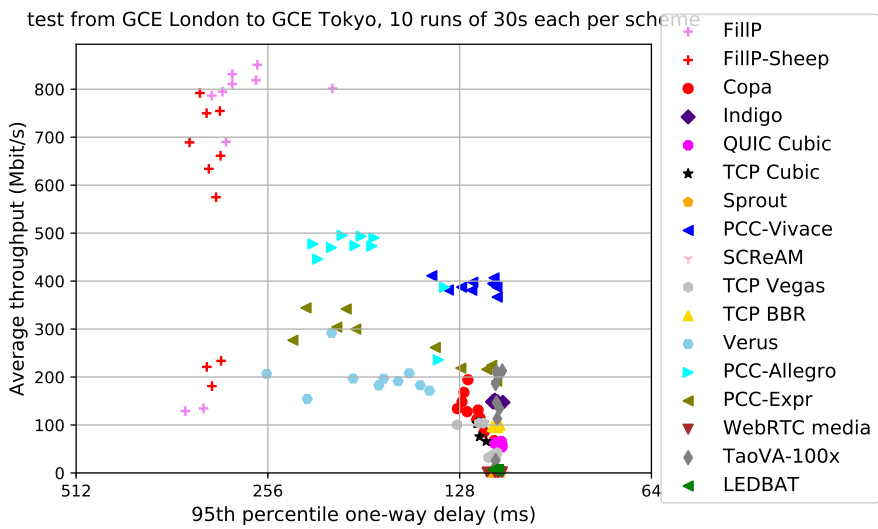
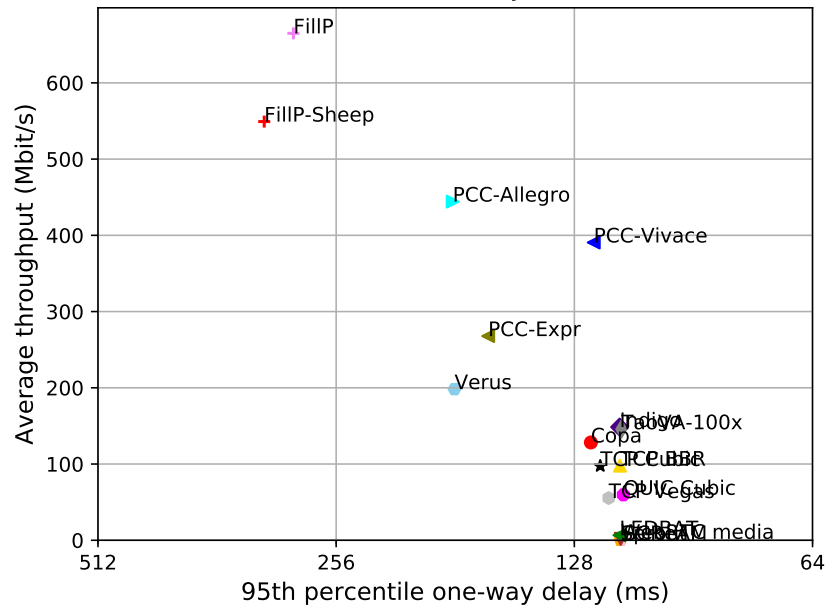
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



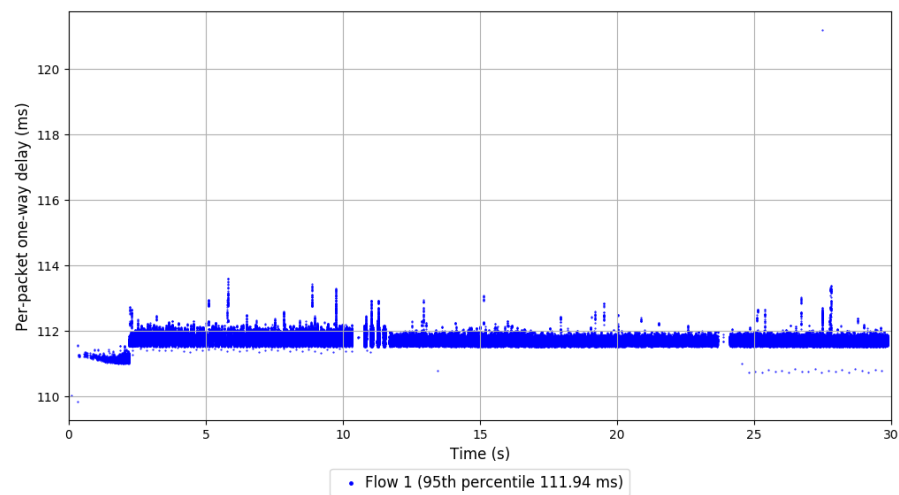
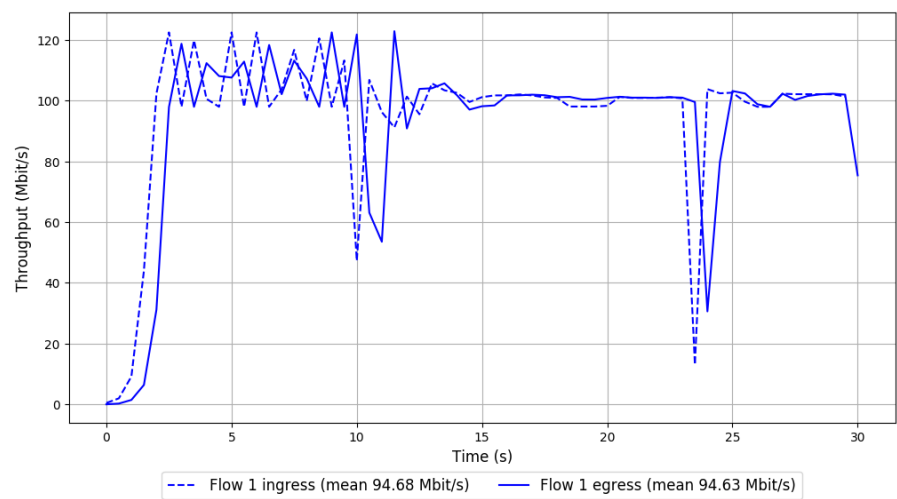
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	97.85	112.09	0.80
Copa	10	128.27	121.99	0.69
TCP Cubic	10	97.46	118.71	0.81
FillP	10	664.93	289.92	2.26
FillP-Sheep	10	549.20	315.61	6.02
Indigo	10	148.52	112.21	0.81
LEDBAT	10	6.55	112.26	1.57
PCC-Allegro	10	444.22	182.37	1.87
PCC-Expr	10	267.82	164.50	1.85
QUIC Cubic	8	59.63	110.99	1.06
SCReAM	10	0.22	110.94	0.70
Sprout	10	0.20	111.90	0.50
TaoVA-100x	10	145.62	111.66	0.86
TCP Vegas	10	55.36	115.83	0.77
Verus	10	198.24	181.43	0.94
PCC-Vivace	10	390.60	120.99	0.99
WebRTC media	10	1.85	111.84	0.83

Run 1: Statistics of TCP BBR

Start at: 2018-07-10 07:50:31
End at: 2018-07-10 07:51:01
Local clock offset: -0.108 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-07-10 11:45:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 111.936 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 111.936 ms
Loss rate: 0.86%

Run 1: Report of TCP BBR — Data Link

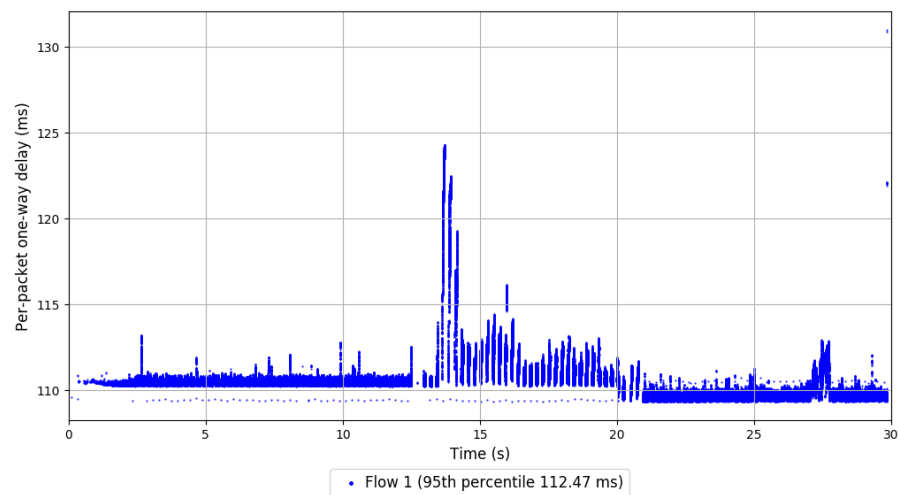
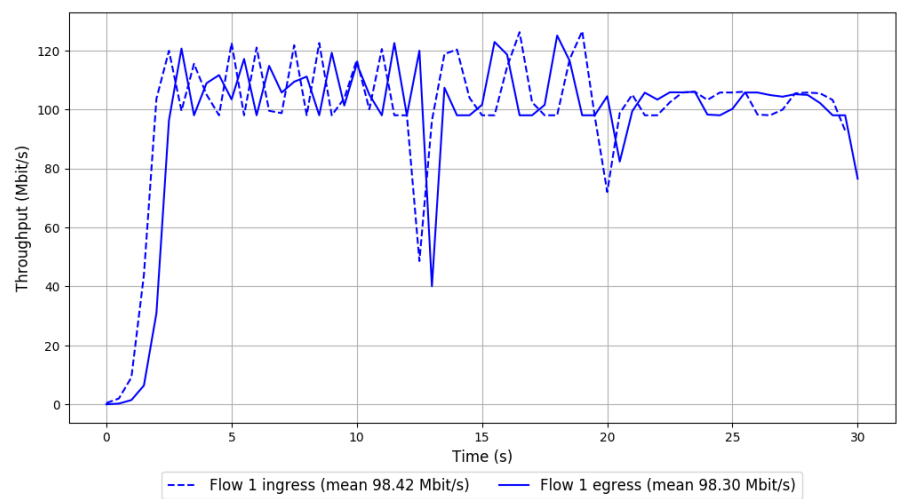


Run 2: Statistics of TCP BBR

Start at: 2018-07-10 08:13:13
End at: 2018-07-10 08:13:43
Local clock offset: -1.493 ms
Remote clock offset: -0.416 ms

Below is generated by plot.py at 2018-07-10 11:45:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.30 Mbit/s
95th percentile per-packet one-way delay: 112.470 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 98.30 Mbit/s
95th percentile per-packet one-way delay: 112.470 ms
Loss rate: 0.78%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-10 08:35:00

End at: 2018-07-10 08:35:30

Local clock offset: -0.01 ms

Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-10 11:46:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.32 Mbit/s

95th percentile per-packet one-way delay: 112.148 ms

Loss rate: 0.80%

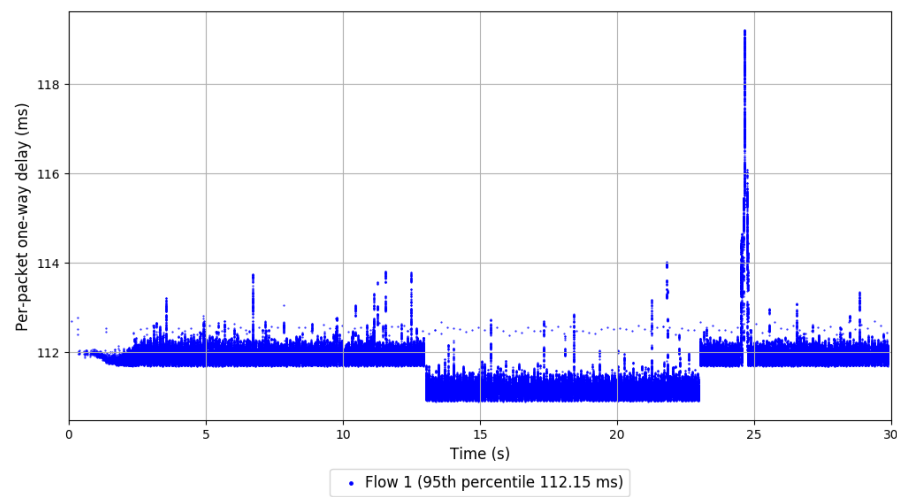
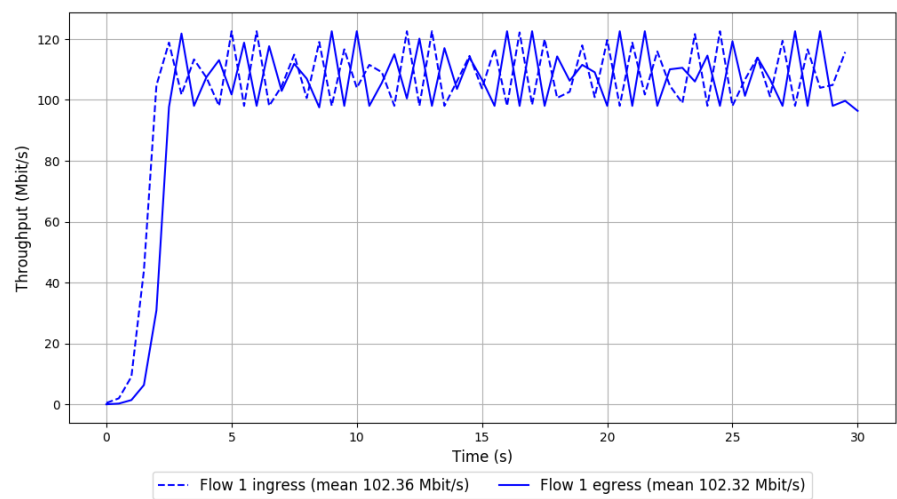
-- Flow 1:

Average throughput: 102.32 Mbit/s

95th percentile per-packet one-way delay: 112.148 ms

Loss rate: 0.80%

Run 3: Report of TCP BBR — Data Link

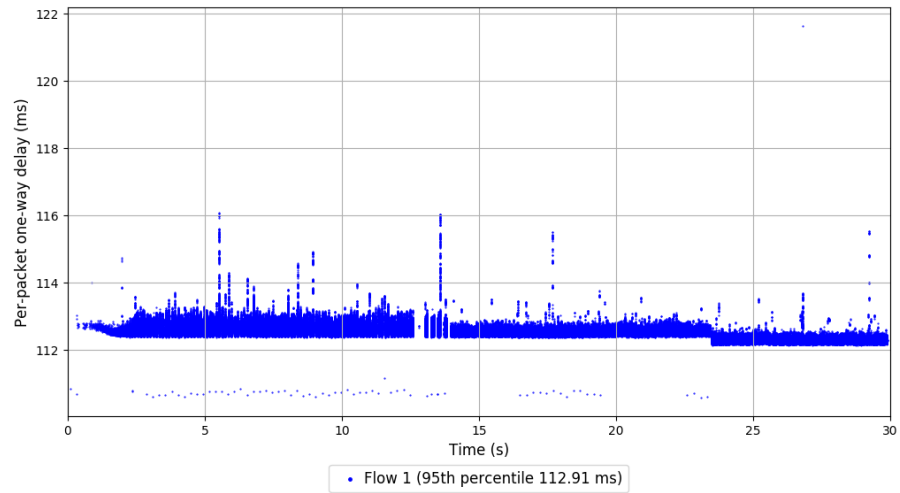
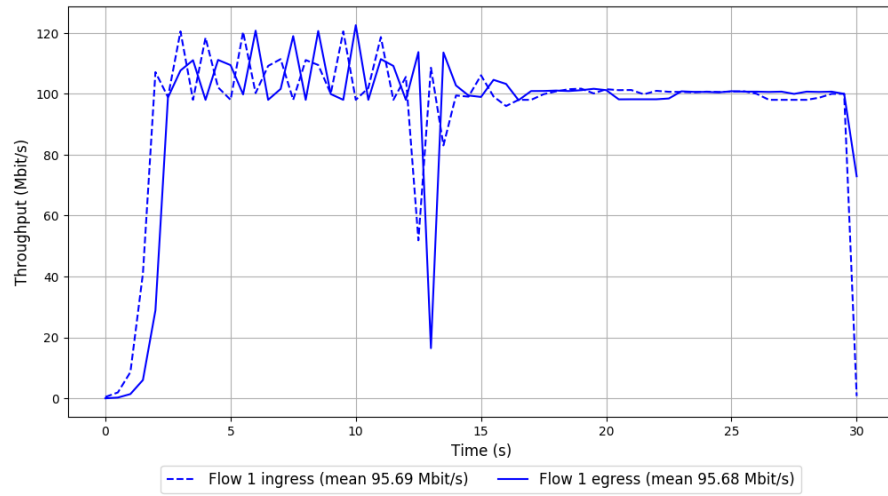


Run 4: Statistics of TCP BBR

Start at: 2018-07-10 08:57:39
End at: 2018-07-10 08:58:10
Local clock offset: 0.074 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-10 11:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 112.908 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 112.908 ms
Loss rate: 0.76%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-10 09:20:23

End at: 2018-07-10 09:20:53

Local clock offset: 1.172 ms

Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-10 11:46:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.75 Mbit/s

95th percentile per-packet one-way delay: 113.792 ms

Loss rate: 0.84%

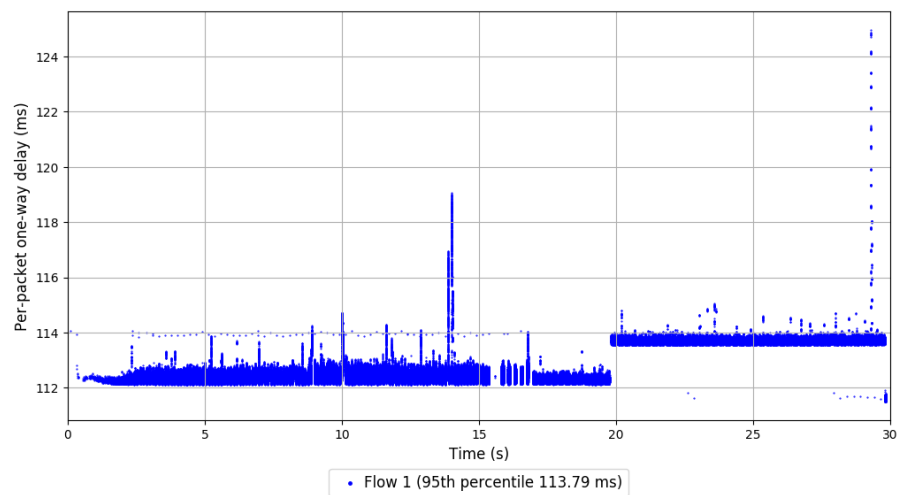
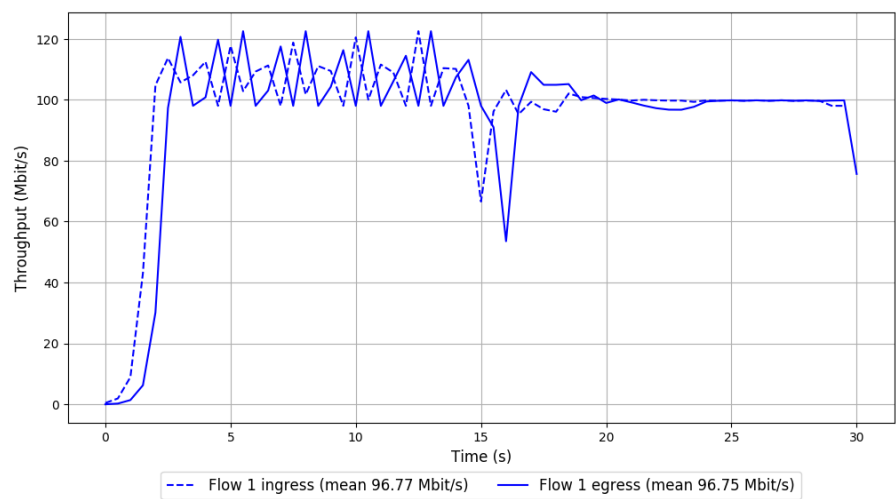
-- Flow 1:

Average throughput: 96.75 Mbit/s

95th percentile per-packet one-way delay: 113.792 ms

Loss rate: 0.84%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-10 09:42:43

End at: 2018-07-10 09:43:13

Local clock offset: -1.479 ms

Remote clock offset: -0.44 ms

Below is generated by plot.py at 2018-07-10 11:46:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 111.721 ms

Loss rate: 0.84%

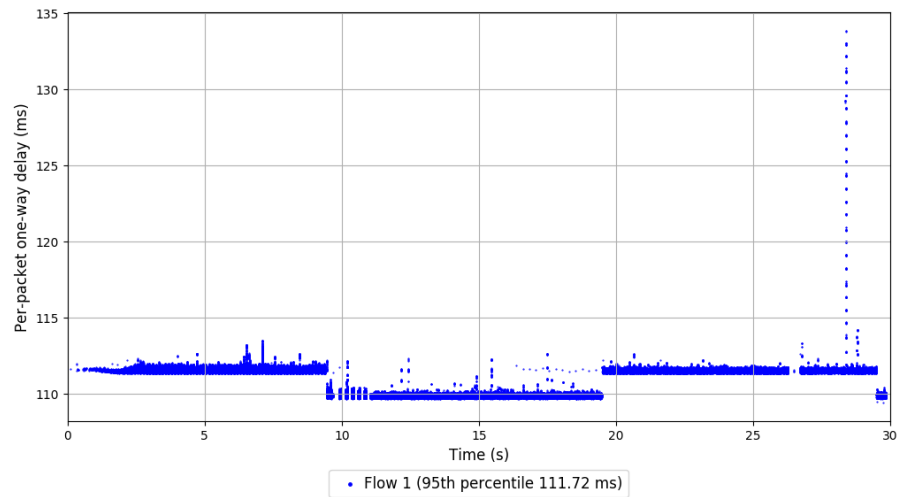
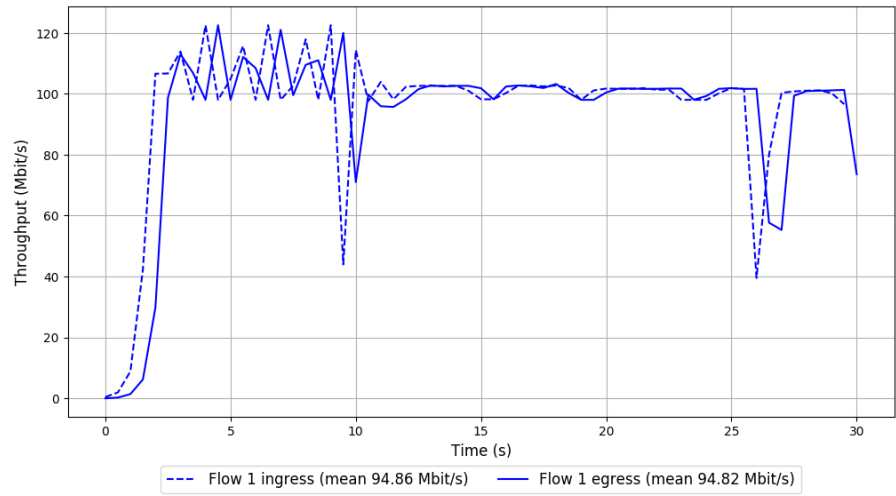
-- Flow 1:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 111.721 ms

Loss rate: 0.84%

Run 6: Report of TCP BBR — Data Link

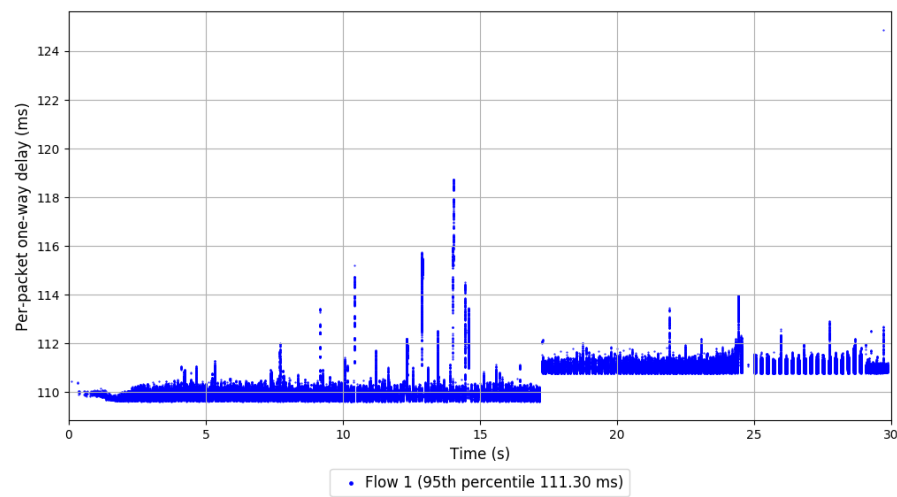
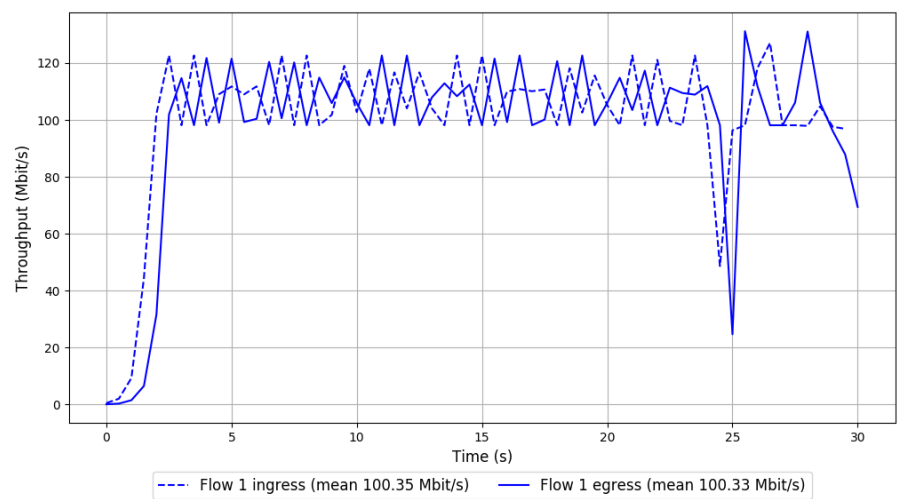


Run 7: Statistics of TCP BBR

Start at: 2018-07-10 10:05:36
End at: 2018-07-10 10:06:06
Local clock offset: 0.01 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-10 11:46:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.33 Mbit/s
95th percentile per-packet one-way delay: 111.300 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 100.33 Mbit/s
95th percentile per-packet one-way delay: 111.300 ms
Loss rate: 0.76%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-10 10:28:08

End at: 2018-07-10 10:28:39

Local clock offset: -0.445 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-07-10 11:46:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.46 Mbit/s

95th percentile per-packet one-way delay: 110.591 ms

Loss rate: 0.83%

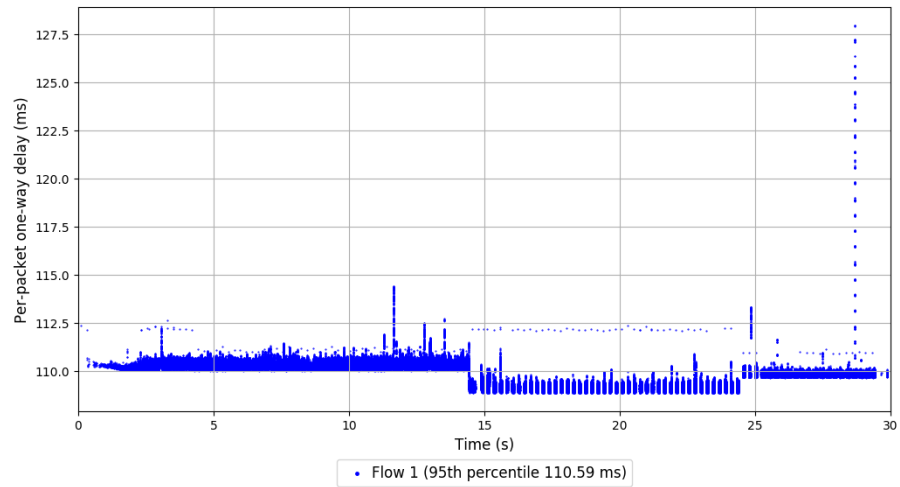
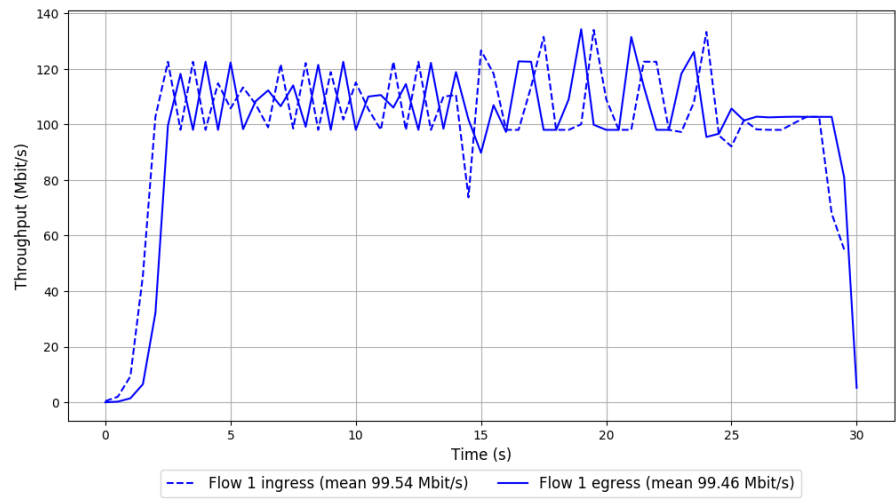
-- Flow 1:

Average throughput: 99.46 Mbit/s

95th percentile per-packet one-way delay: 110.591 ms

Loss rate: 0.83%

Run 8: Report of TCP BBR — Data Link

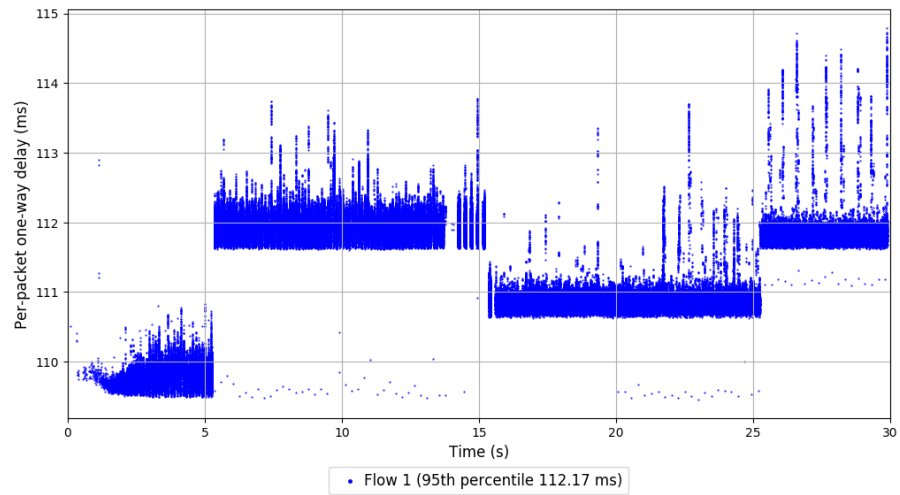
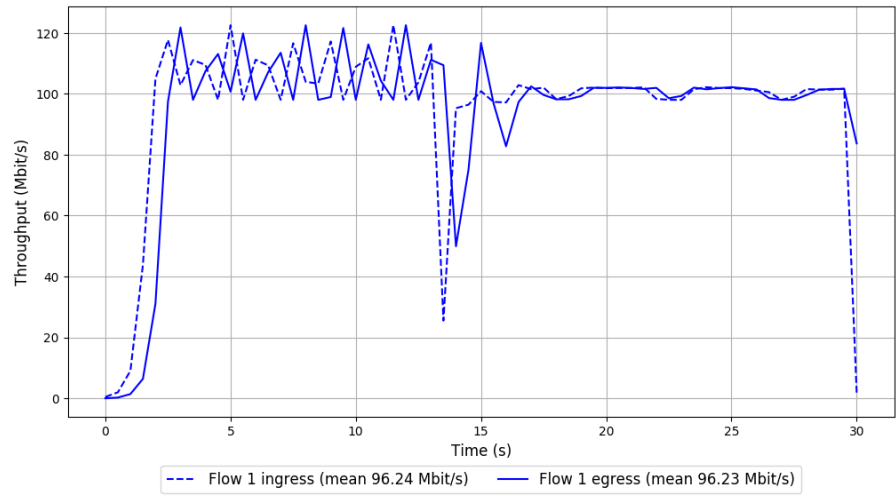


Run 9: Statistics of TCP BBR

Start at: 2018-07-10 10:50:48
End at: 2018-07-10 10:51:18
Local clock offset: -0.111 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-10 11:47:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 112.166 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 112.166 ms
Loss rate: 0.75%

Run 9: Report of TCP BBR — Data Link

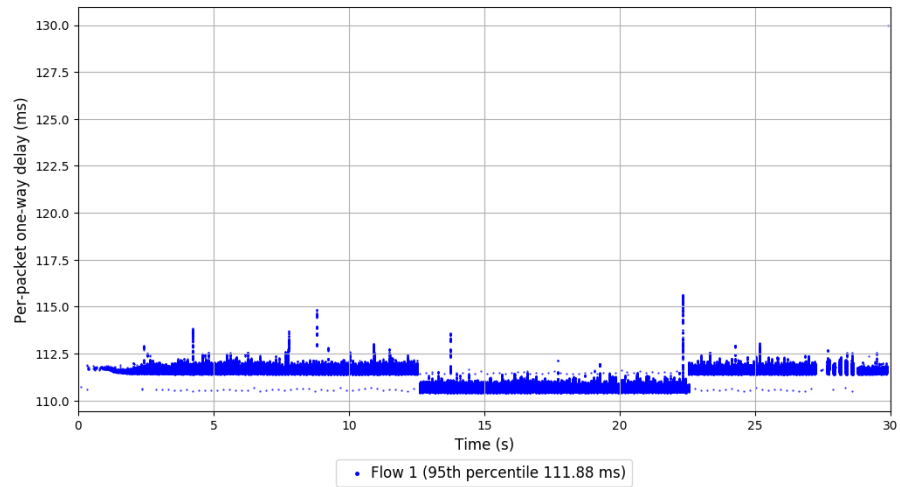
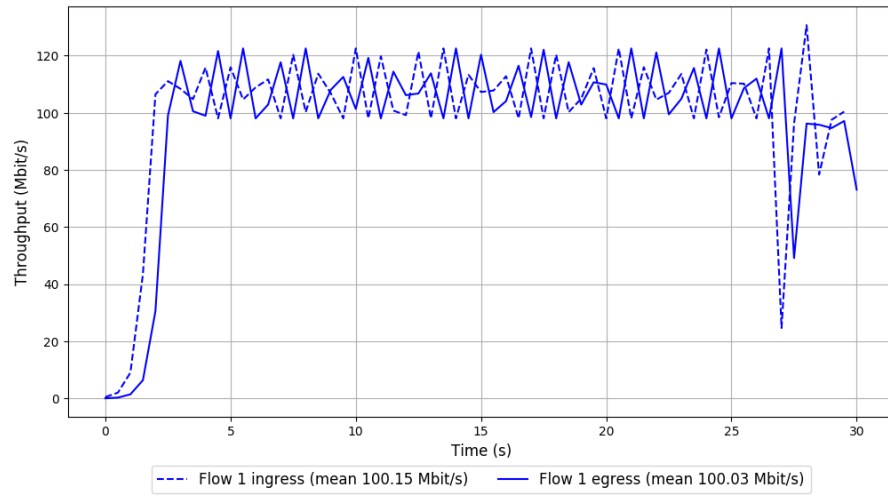


Run 10: Statistics of TCP BBR

Start at: 2018-07-10 11:12:40
End at: 2018-07-10 11:13:10
Local clock offset: -0.362 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-10 11:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.03 Mbit/s
95th percentile per-packet one-way delay: 111.879 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 100.03 Mbit/s
95th percentile per-packet one-way delay: 111.879 ms
Loss rate: 0.77%

Run 10: Report of TCP BBR — Data Link

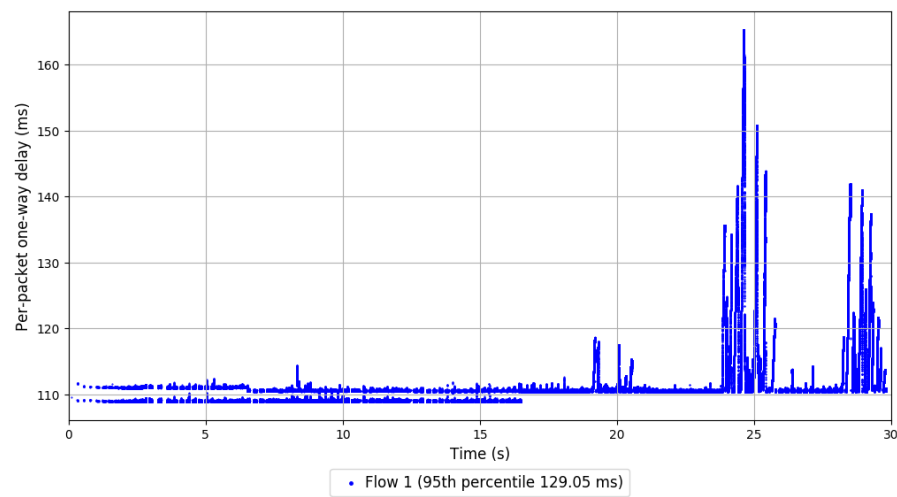
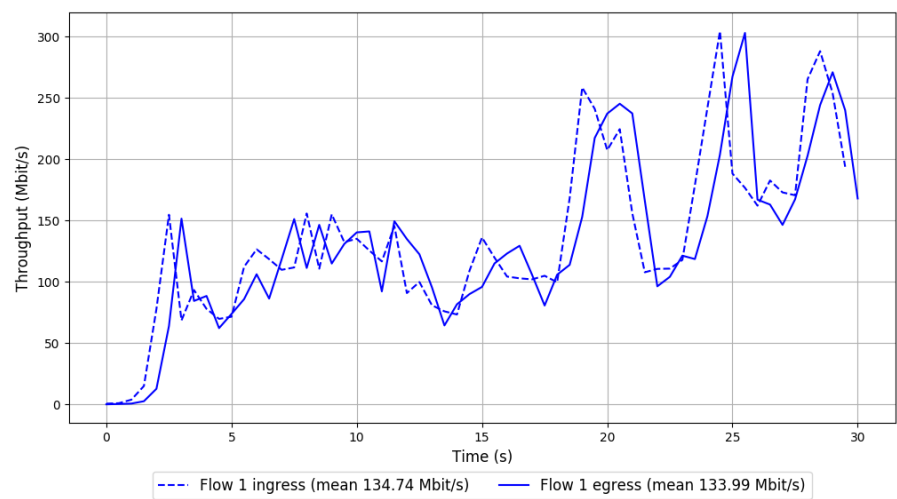


Run 1: Statistics of Copa

Start at: 2018-07-10 07:55:56
End at: 2018-07-10 07:56:26
Local clock offset: -0.316 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-10 11:49:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.99 Mbit/s
95th percentile per-packet one-way delay: 129.046 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 133.99 Mbit/s
95th percentile per-packet one-way delay: 129.046 ms
Loss rate: 1.29%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-10 08:18:38

End at: 2018-07-10 08:19:08

Local clock offset: -1.407 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-10 11:49:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 117.179 ms

Loss rate: 0.55%

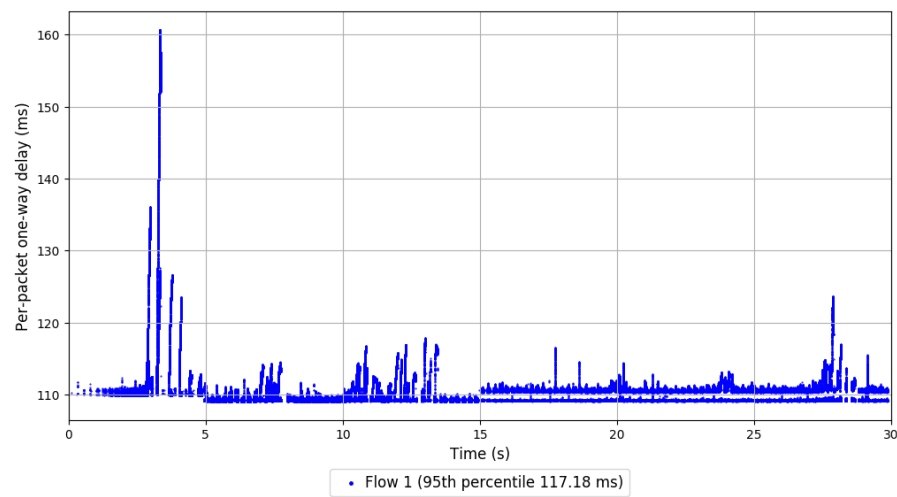
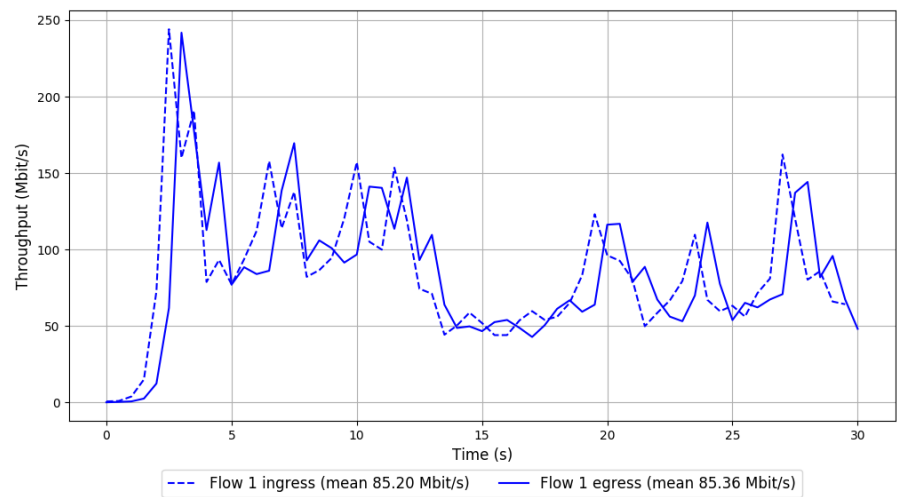
-- Flow 1:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 117.179 ms

Loss rate: 0.55%

Run 2: Report of Copa — Data Link

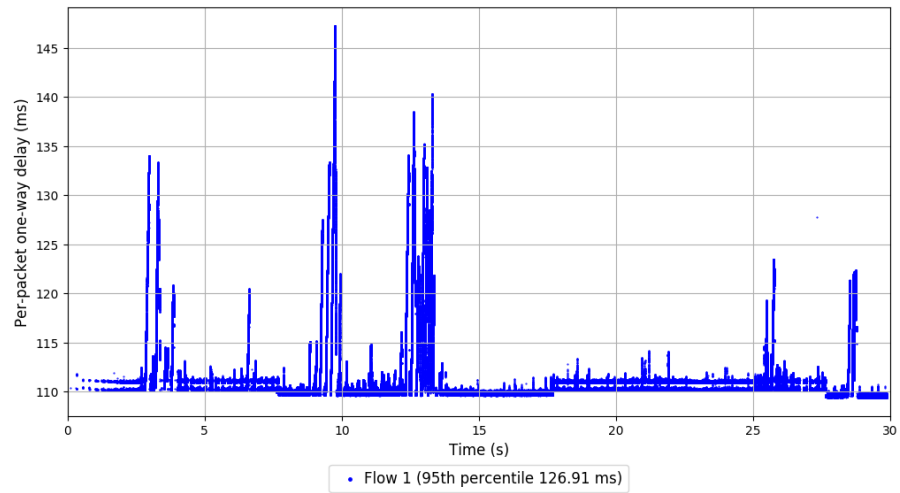
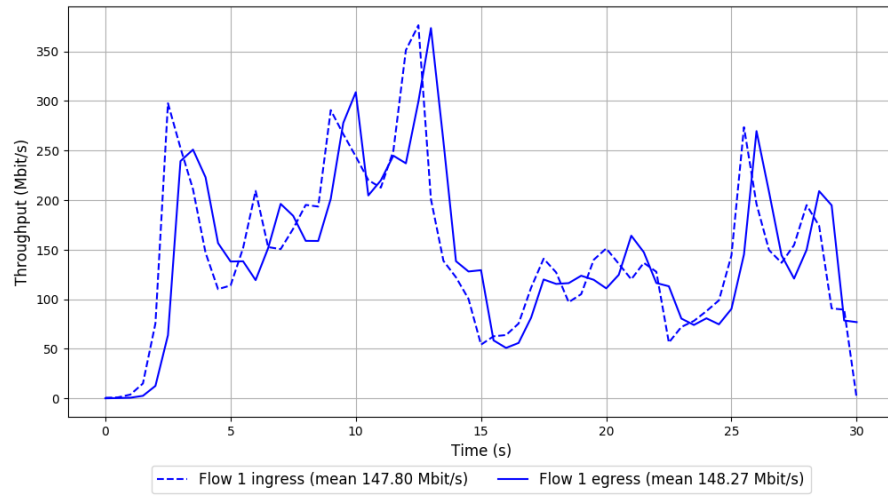


Run 3: Statistics of Copa

Start at: 2018-07-10 08:40:35
End at: 2018-07-10 08:41:05
Local clock offset: -1.124 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-07-10 11:50:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.27 Mbit/s
95th percentile per-packet one-way delay: 126.909 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 148.27 Mbit/s
95th percentile per-packet one-way delay: 126.909 ms
Loss rate: 0.45%

Run 3: Report of Copa — Data Link

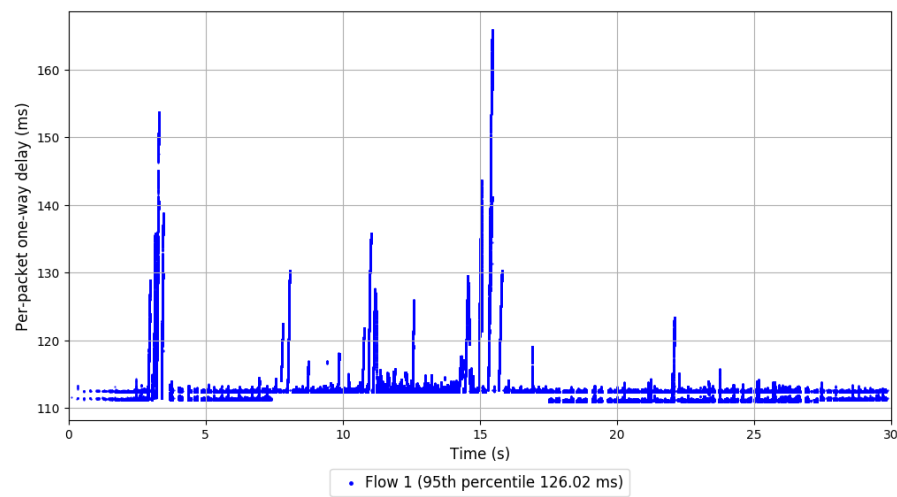
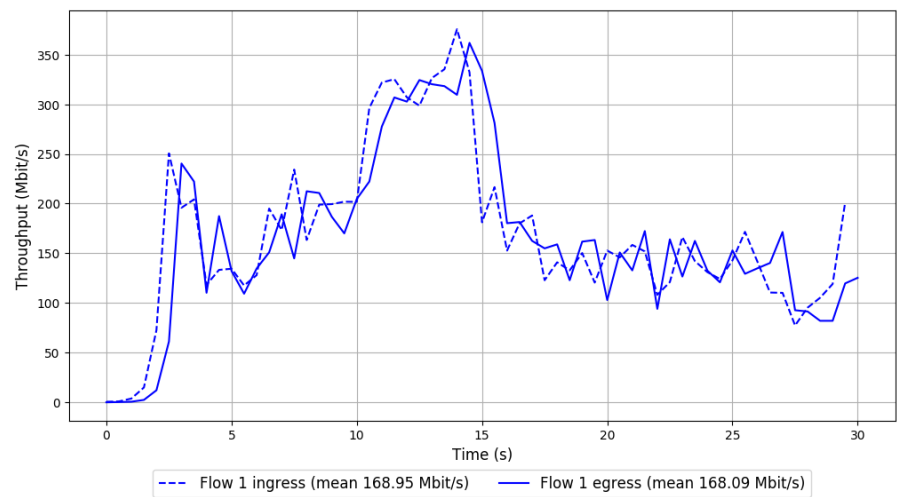


Run 4: Statistics of Copa

Start at: 2018-07-10 09:03:05
End at: 2018-07-10 09:03:35
Local clock offset: -0.009 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-10 11:50:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.09 Mbit/s
95th percentile per-packet one-way delay: 126.019 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 168.09 Mbit/s
95th percentile per-packet one-way delay: 126.019 ms
Loss rate: 1.14%

Run 4: Report of Copa — Data Link

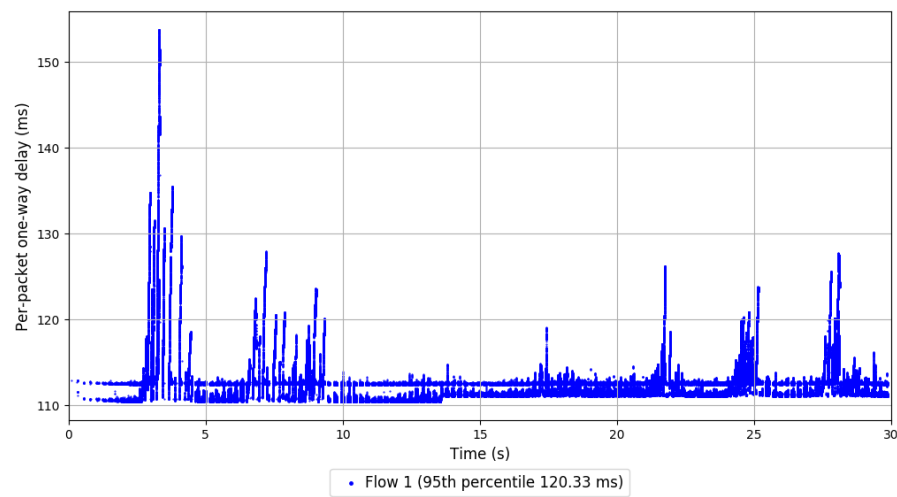
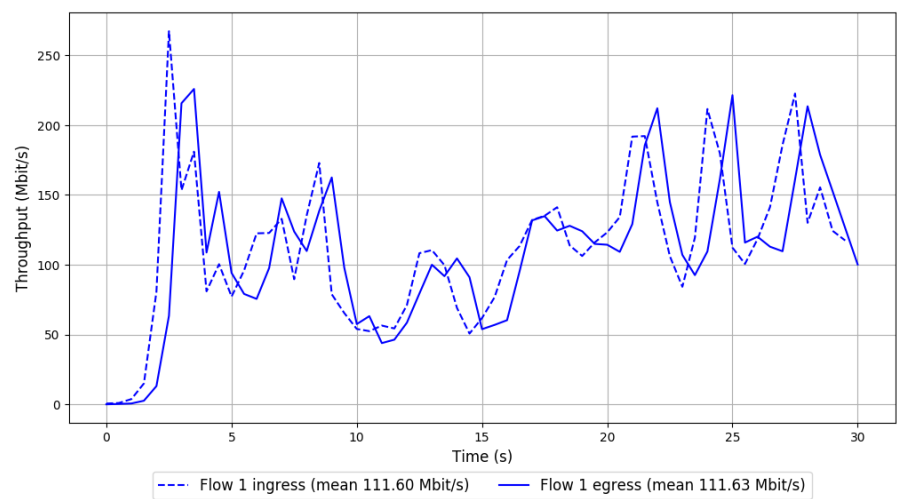


Run 5: Statistics of Copa

Start at: 2018-07-10 09:25:49
End at: 2018-07-10 09:26:19
Local clock offset: 0.063 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-10 11:50:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 111.63 Mbit/s
95th percentile per-packet one-way delay: 120.330 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 111.63 Mbit/s
95th percentile per-packet one-way delay: 120.330 ms
Loss rate: 0.76%

Run 5: Report of Copa — Data Link

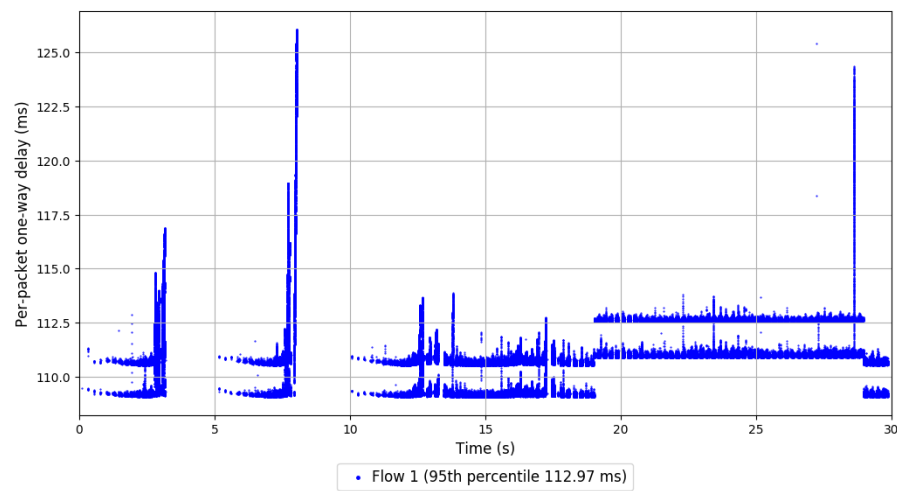
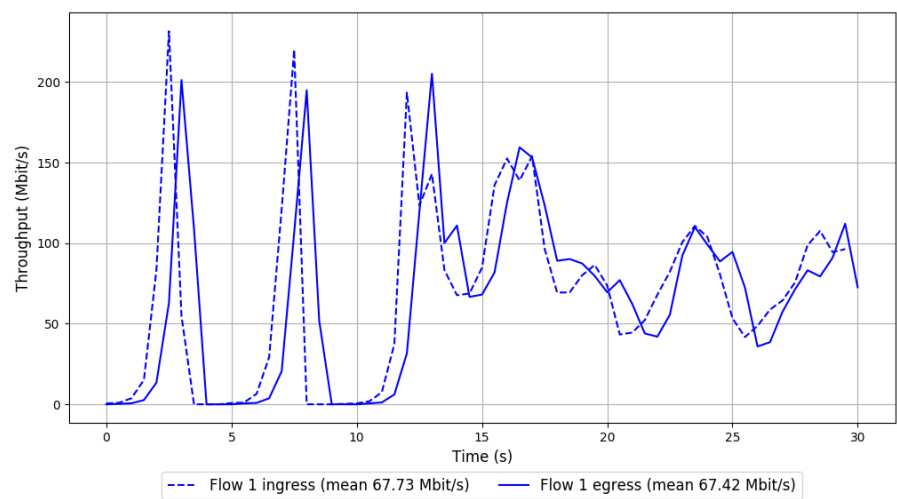


Run 6: Statistics of Copa

Start at: 2018-07-10 09:48:24
End at: 2018-07-10 09:48:54
Local clock offset: 0.132 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-10 11:50:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.42 Mbit/s
95th percentile per-packet one-way delay: 112.972 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 67.42 Mbit/s
95th percentile per-packet one-way delay: 112.972 ms
Loss rate: 1.14%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

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

End at: 2018-07-10 10:11:37

Local clock offset: -0.179 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2018-07-10 11:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.35 Mbit/s

95th percentile per-packet one-way delay: 124.224 ms

Loss rate: 0.21%

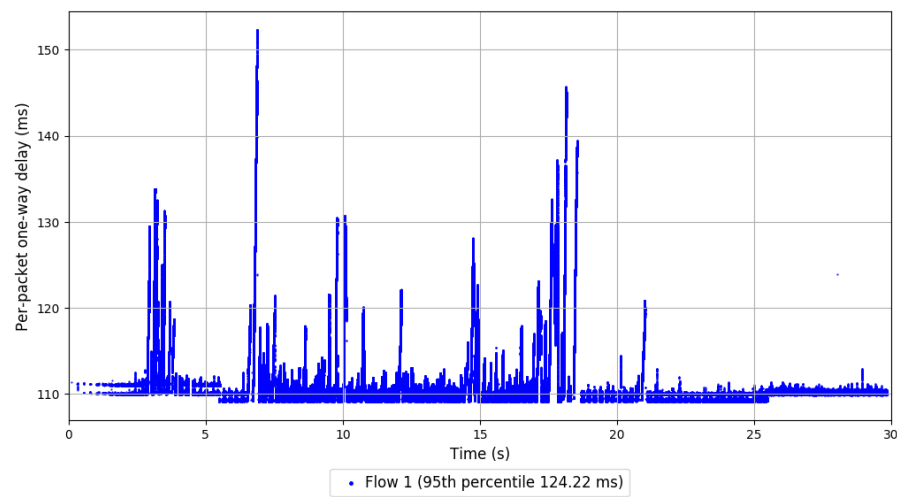
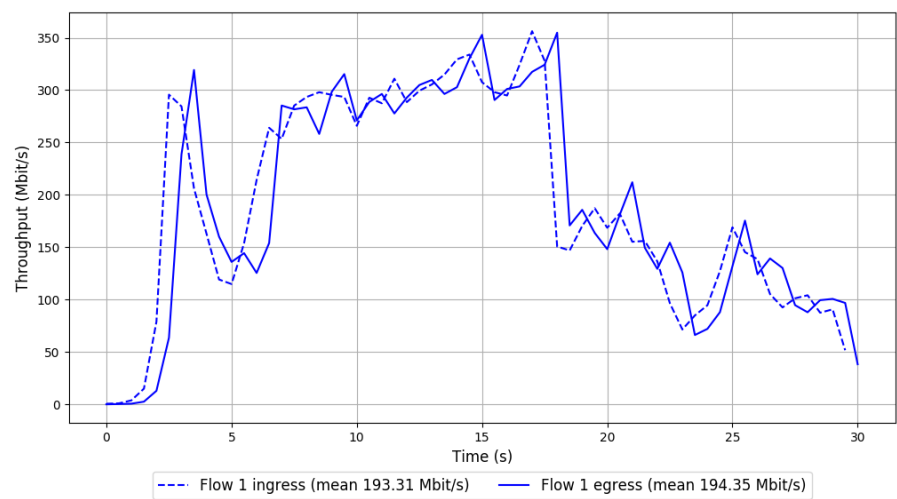
-- Flow 1:

Average throughput: 194.35 Mbit/s

95th percentile per-packet one-way delay: 124.224 ms

Loss rate: 0.21%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-10 10:33:41

End at: 2018-07-10 10:34:11

Local clock offset: -0.492 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-10 11:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.73 Mbit/s

95th percentile per-packet one-way delay: 124.596 ms

Loss rate: 0.31%

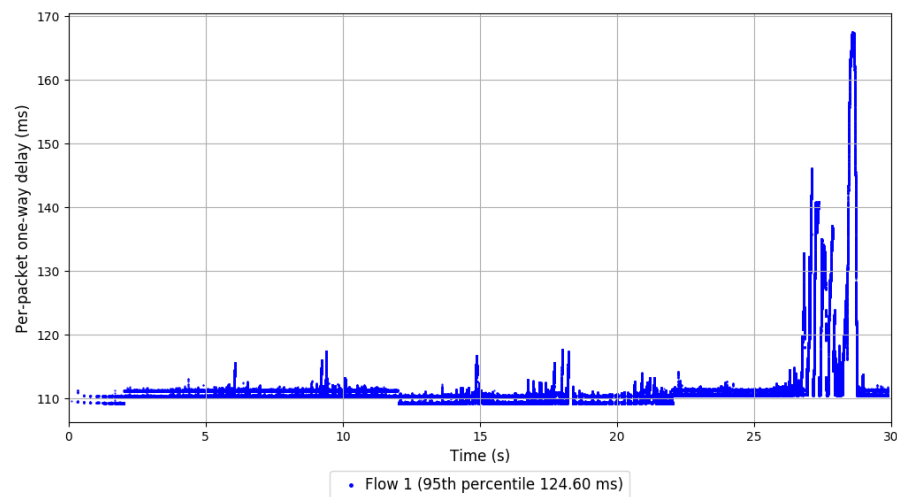
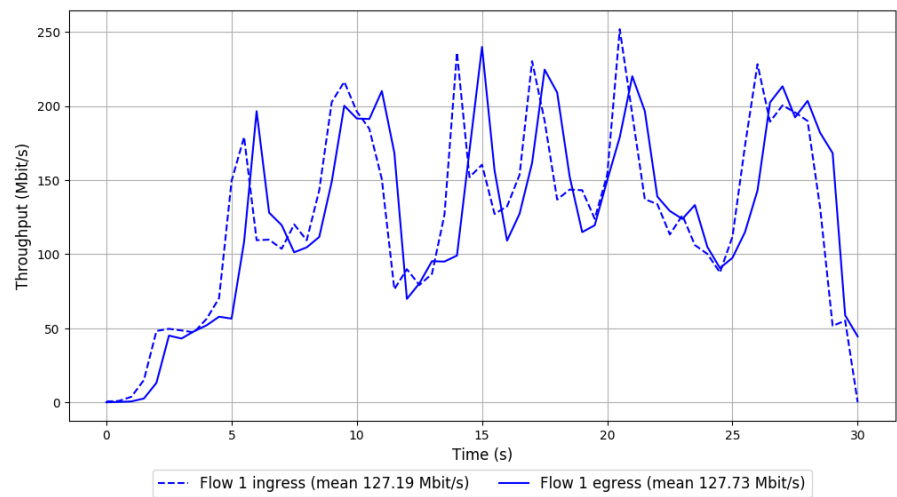
-- Flow 1:

Average throughput: 127.73 Mbit/s

95th percentile per-packet one-way delay: 124.596 ms

Loss rate: 0.31%

Run 8: Report of Copa — Data Link

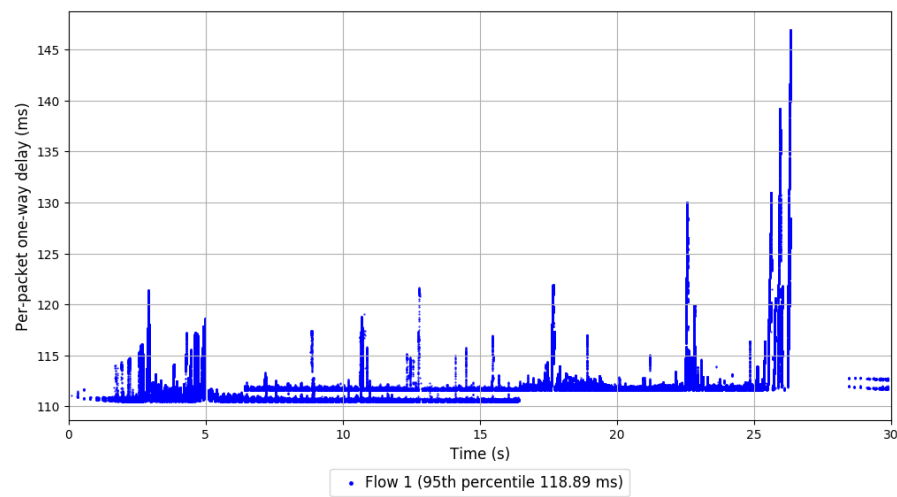
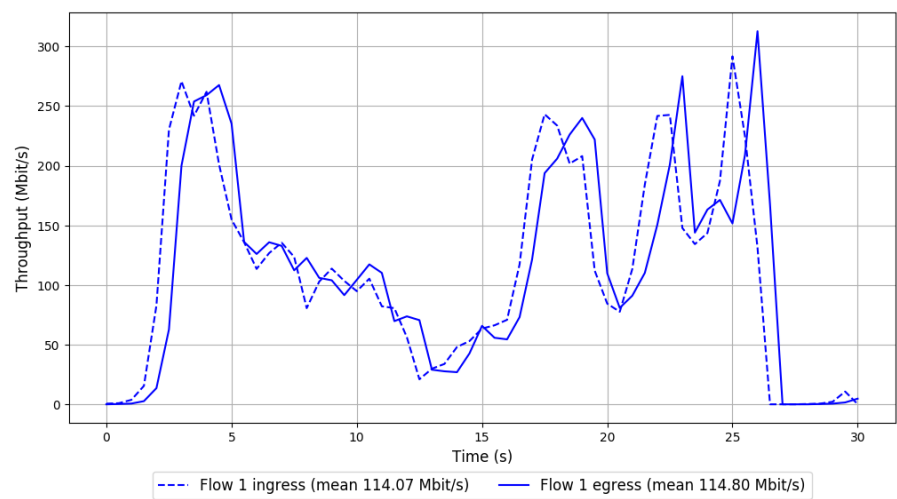


Run 9: Statistics of Copa

Start at: 2018-07-10 10:56:27
End at: 2018-07-10 10:56:57
Local clock offset: 0.895 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-10 11:53:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.80 Mbit/s
95th percentile per-packet one-way delay: 118.885 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 114.80 Mbit/s
95th percentile per-packet one-way delay: 118.885 ms
Loss rate: 0.10%

Run 9: Report of Copa — Data Link

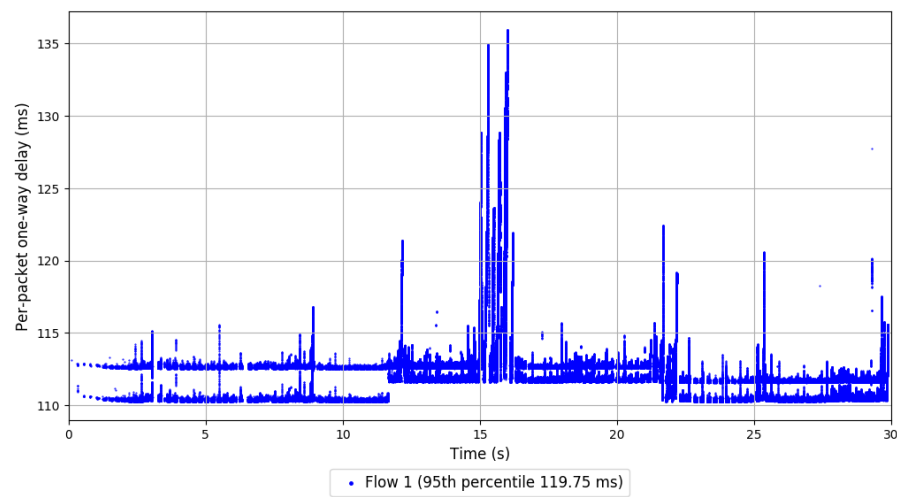
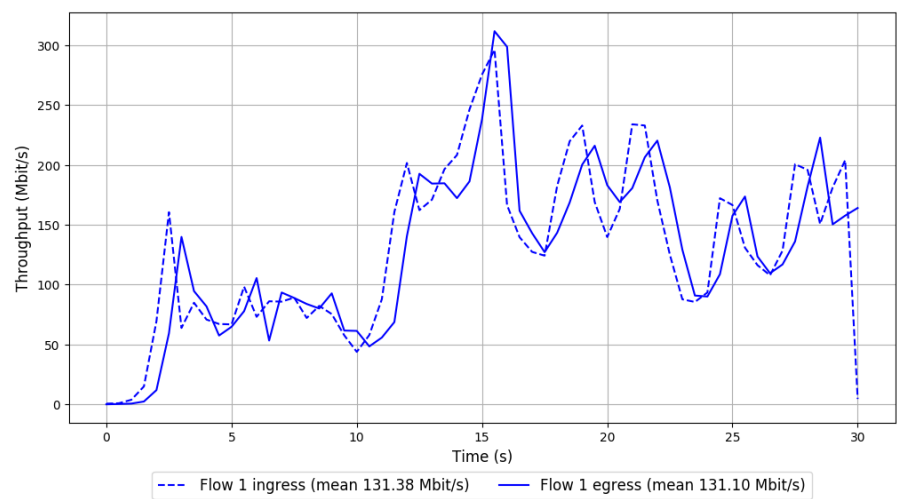


Run 10: Statistics of Copa

Start at: 2018-07-10 11:18:11
End at: 2018-07-10 11:18:41
Local clock offset: -0.072 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-10 11:53:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.10 Mbit/s
95th percentile per-packet one-way delay: 119.752 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 131.10 Mbit/s
95th percentile per-packet one-way delay: 119.752 ms
Loss rate: 0.97%

Run 10: Report of Copa — Data Link

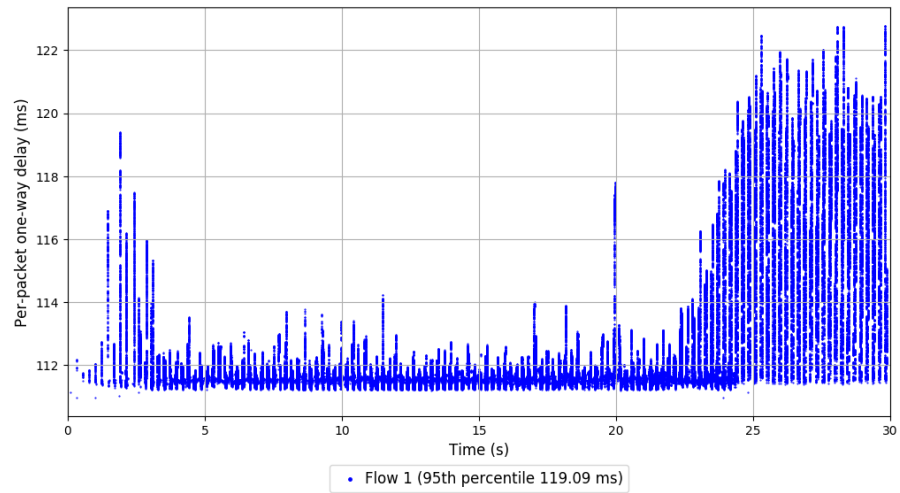
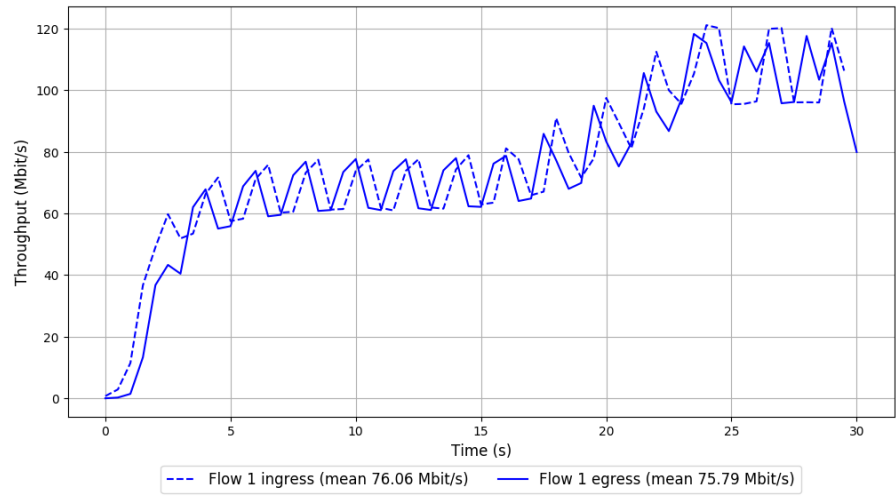


Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 08:10:53
End at: 2018-07-10 08:11:23
Local clock offset: -0.114 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-10 11:53:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 119.093 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 119.093 ms
Loss rate: 1.10%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 08:32:39

End at: 2018-07-10 08:33:09

Local clock offset: -0.127 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-10 11:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.06 Mbit/s

95th percentile per-packet one-way delay: 119.318 ms

Loss rate: 0.80%

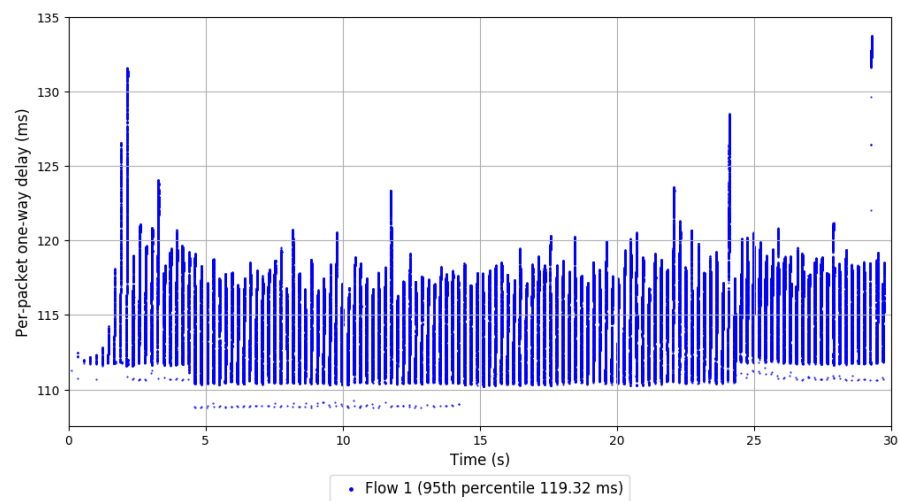
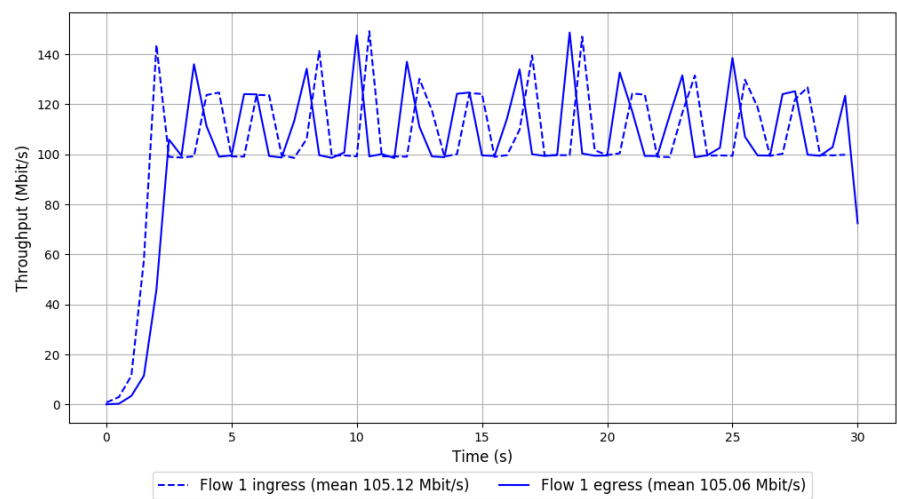
-- Flow 1:

Average throughput: 105.06 Mbit/s

95th percentile per-packet one-way delay: 119.318 ms

Loss rate: 0.80%

Run 2: Report of TCP Cubic — Data Link

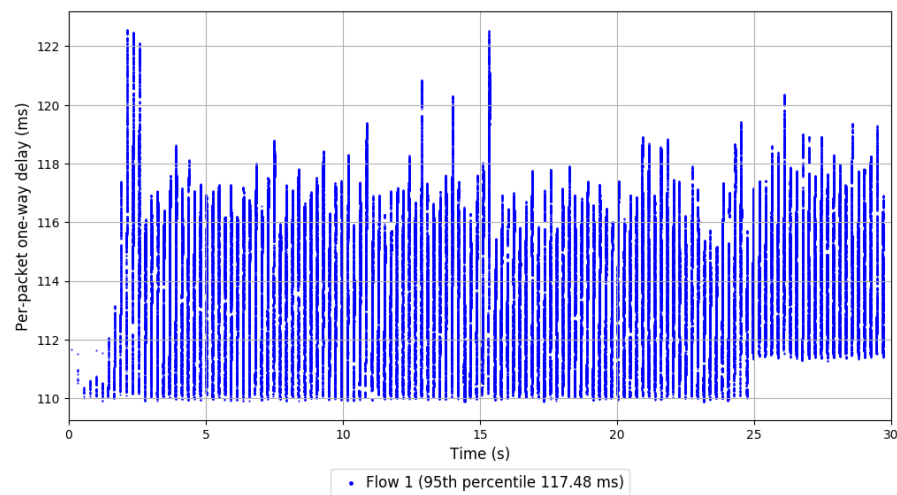
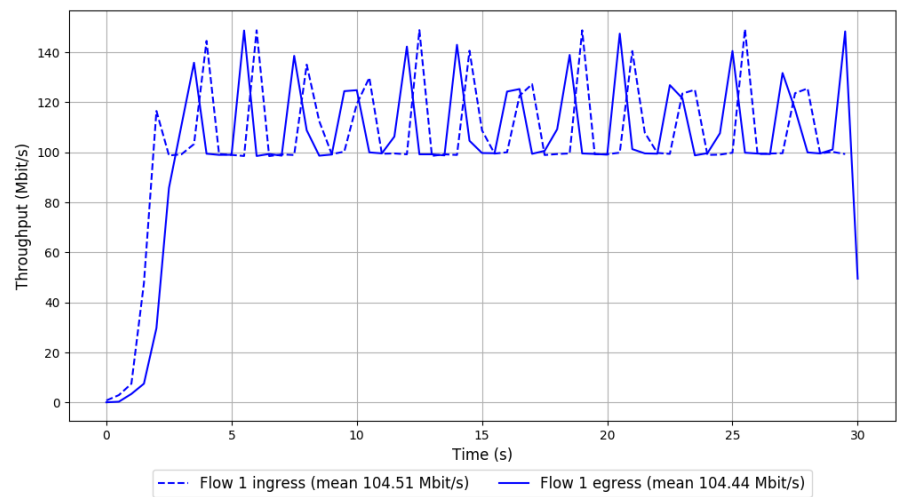


Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 08:55:18
End at: 2018-07-10 08:55:48
Local clock offset: -1.455 ms
Remote clock offset: -0.417 ms

Below is generated by plot.py at 2018-07-10 11:53:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.44 Mbit/s
95th percentile per-packet one-way delay: 117.483 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 104.44 Mbit/s
95th percentile per-packet one-way delay: 117.483 ms
Loss rate: 0.80%

Run 3: Report of TCP Cubic — Data Link

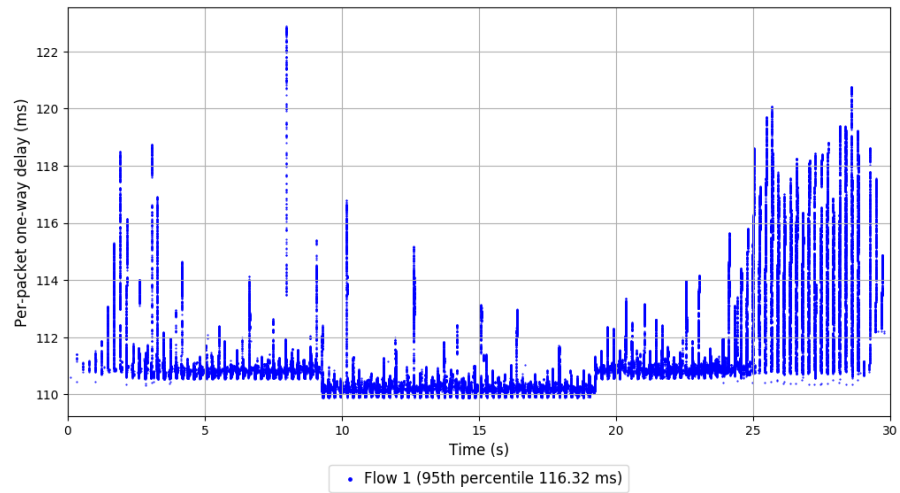
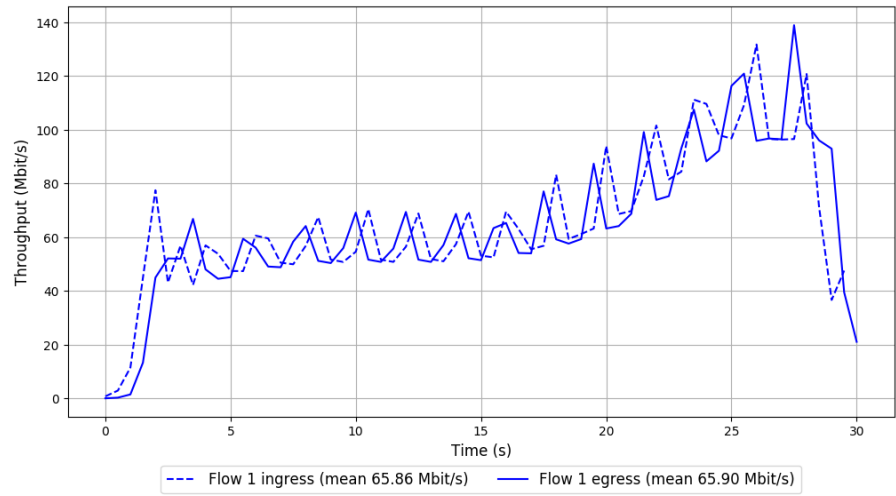


Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 09:18:04
End at: 2018-07-10 09:18:34
Local clock offset: -0.446 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-10 11:53:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 116.320 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 116.320 ms
Loss rate: 0.67%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 09:40:22

End at: 2018-07-10 09:40:52

Local clock offset: -0.319 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-10 11:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.51 Mbit/s

95th percentile per-packet one-way delay: 120.220 ms

Loss rate: 0.80%

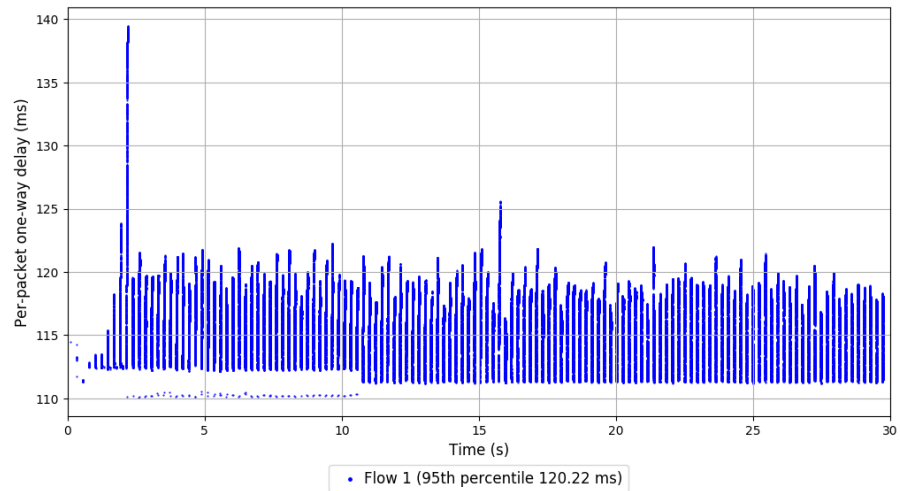
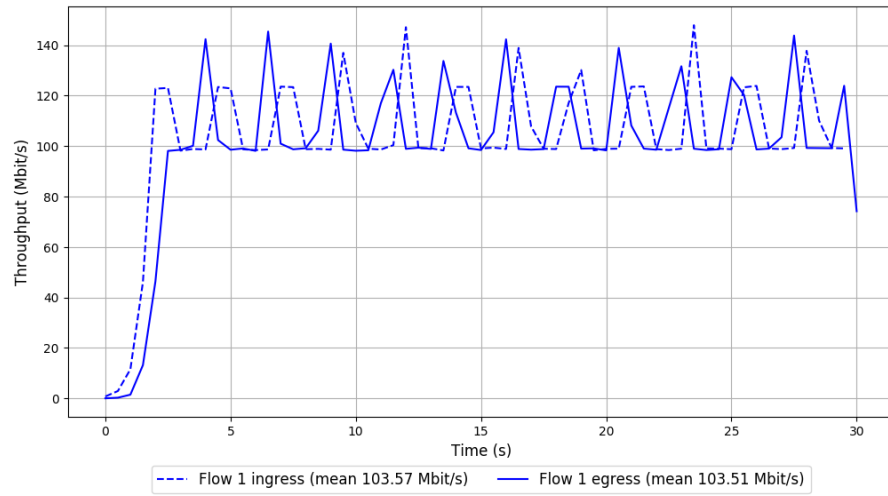
-- Flow 1:

Average throughput: 103.51 Mbit/s

95th percentile per-packet one-way delay: 120.220 ms

Loss rate: 0.80%

Run 5: Report of TCP Cubic — Data Link

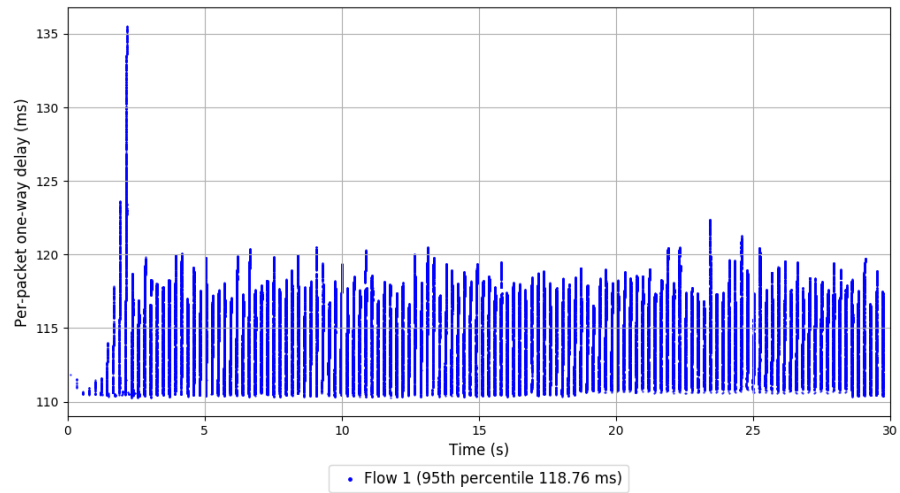
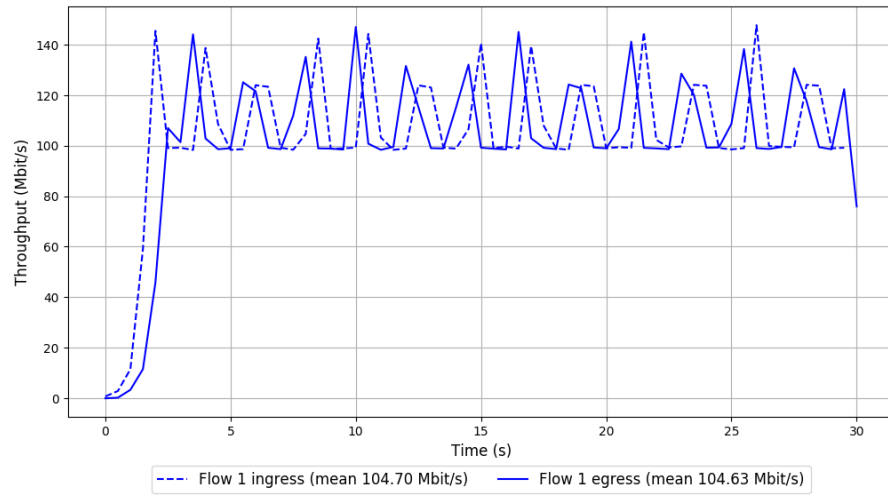


Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 10:03:14
End at: 2018-07-10 10:03:44
Local clock offset: -0.157 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-10 11:53:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.63 Mbit/s
95th percentile per-packet one-way delay: 118.763 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 104.63 Mbit/s
95th percentile per-packet one-way delay: 118.763 ms
Loss rate: 0.79%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 10:25:47

End at: 2018-07-10 10:26:17

Local clock offset: -0.205 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2018-07-10 11:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.96 Mbit/s

95th percentile per-packet one-way delay: 118.933 ms

Loss rate: 0.79%

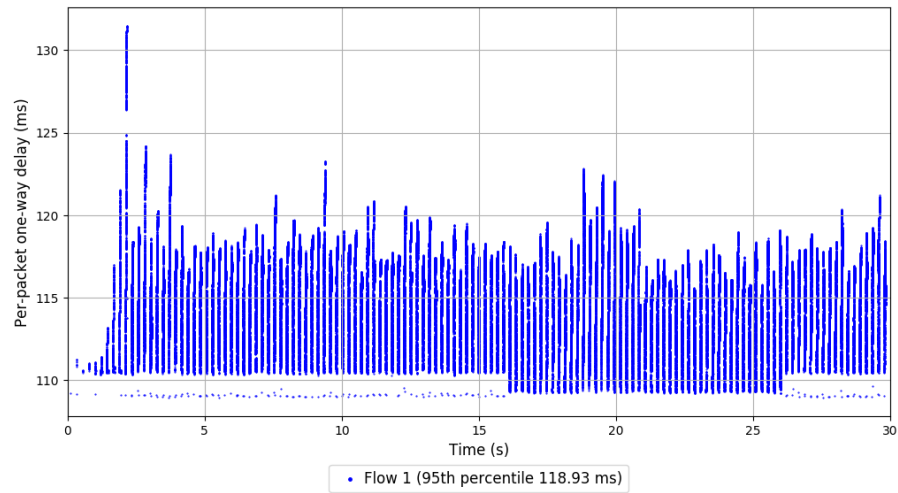
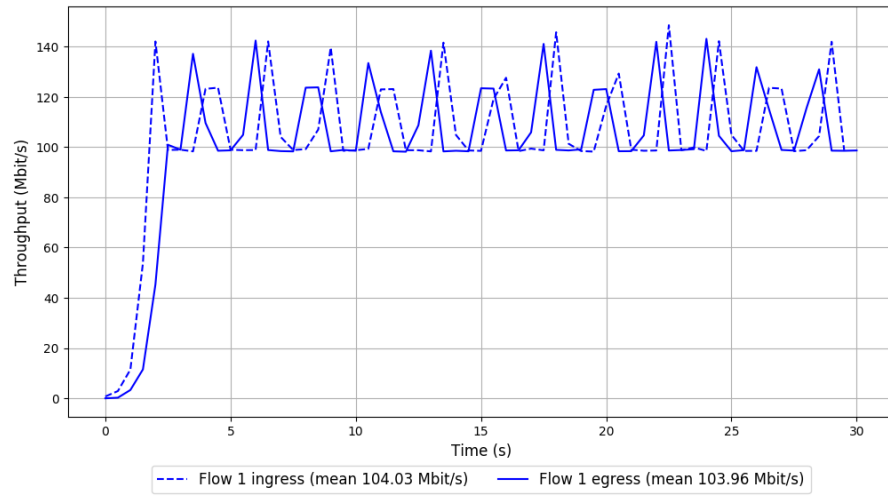
-- Flow 1:

Average throughput: 103.96 Mbit/s

95th percentile per-packet one-way delay: 118.933 ms

Loss rate: 0.79%

Run 7: Report of TCP Cubic — Data Link

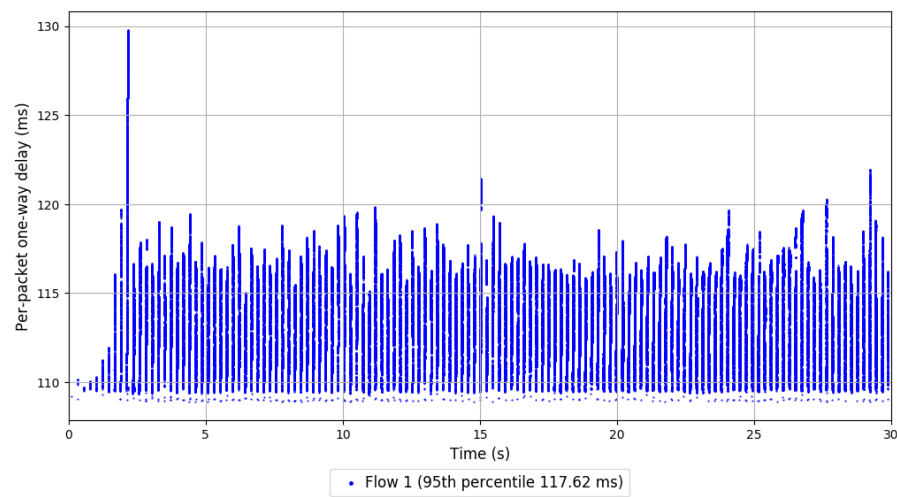
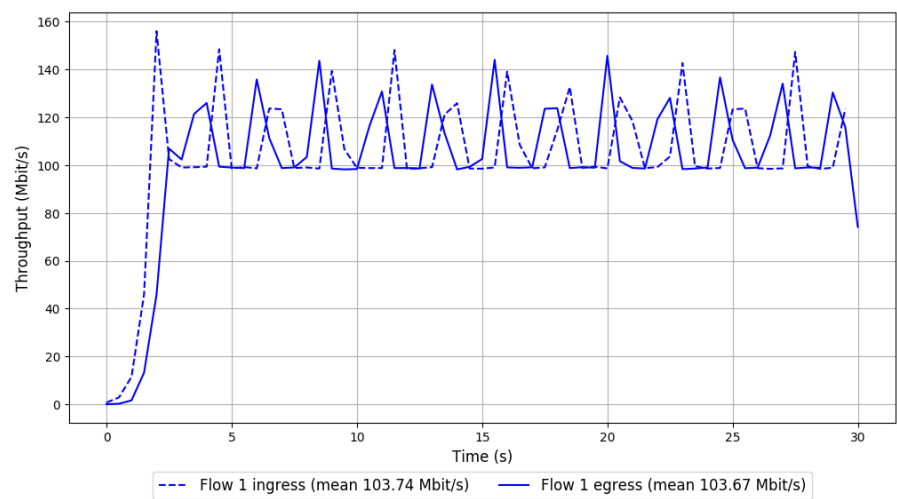


Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 10:48:26
End at: 2018-07-10 10:48:56
Local clock offset: -1.518 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-10 11:53:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.67 Mbit/s
95th percentile per-packet one-way delay: 117.620 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 103.67 Mbit/s
95th percentile per-packet one-way delay: 117.620 ms
Loss rate: 0.79%

Run 8: Report of TCP Cubic — Data Link

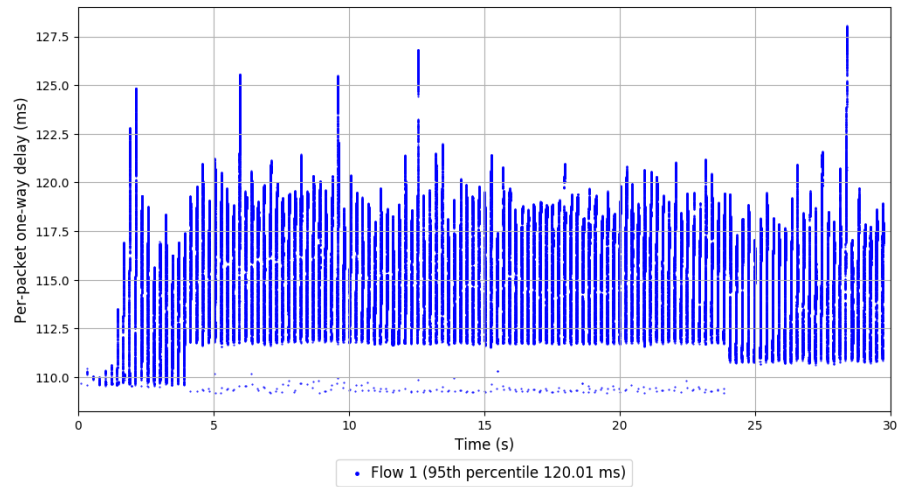
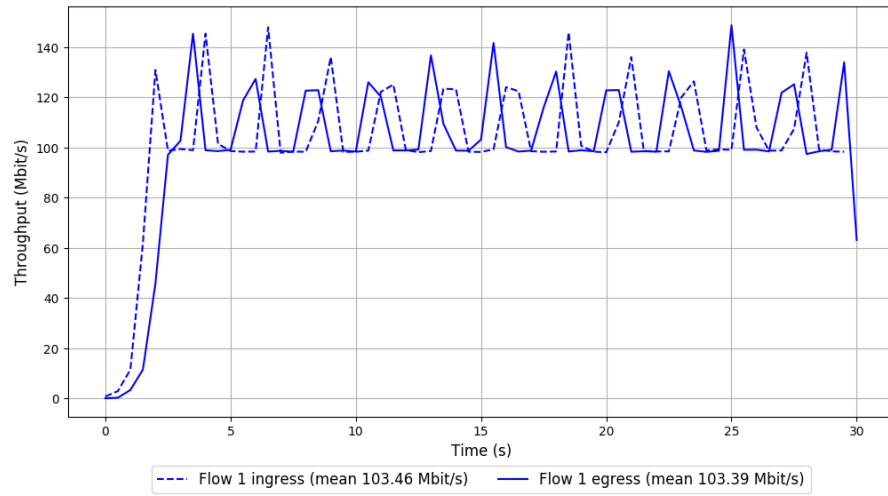


Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 11:10:19
End at: 2018-07-10 11:10:49
Local clock offset: -0.245 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-10 11:53:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.39 Mbit/s
95th percentile per-packet one-way delay: 120.008 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 103.39 Mbit/s
95th percentile per-packet one-way delay: 120.008 ms
Loss rate: 0.80%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 11:32:33

End at: 2018-07-10 11:33:03

Local clock offset: 0.028 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-10 11:53:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.21 Mbit/s

95th percentile per-packet one-way delay: 119.343 ms

Loss rate: 0.79%

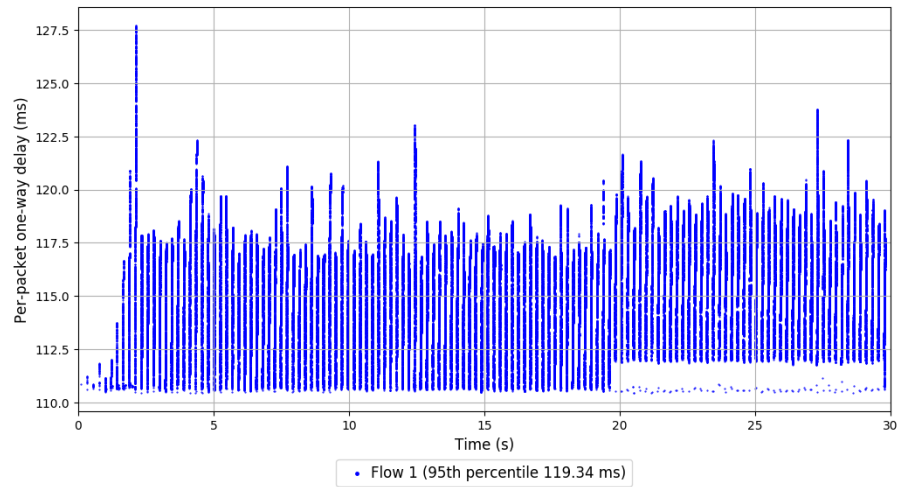
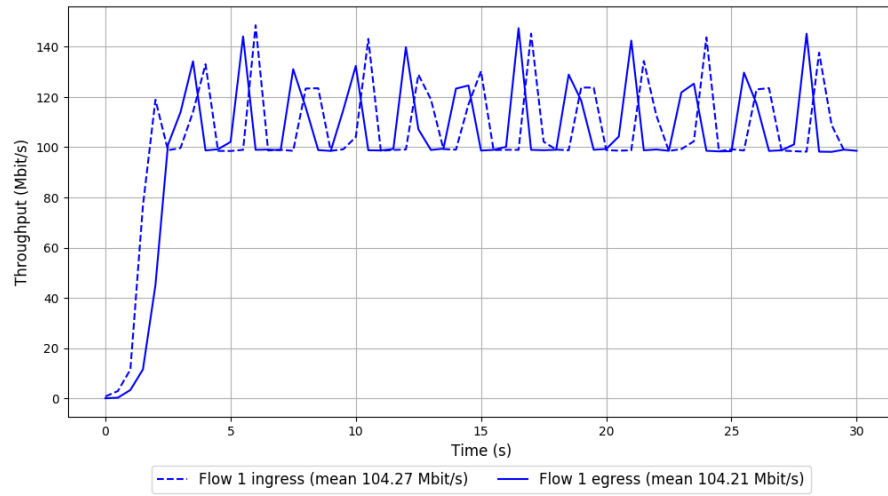
-- Flow 1:

Average throughput: 104.21 Mbit/s

95th percentile per-packet one-way delay: 119.343 ms

Loss rate: 0.79%

Run 10: Report of TCP Cubic — Data Link

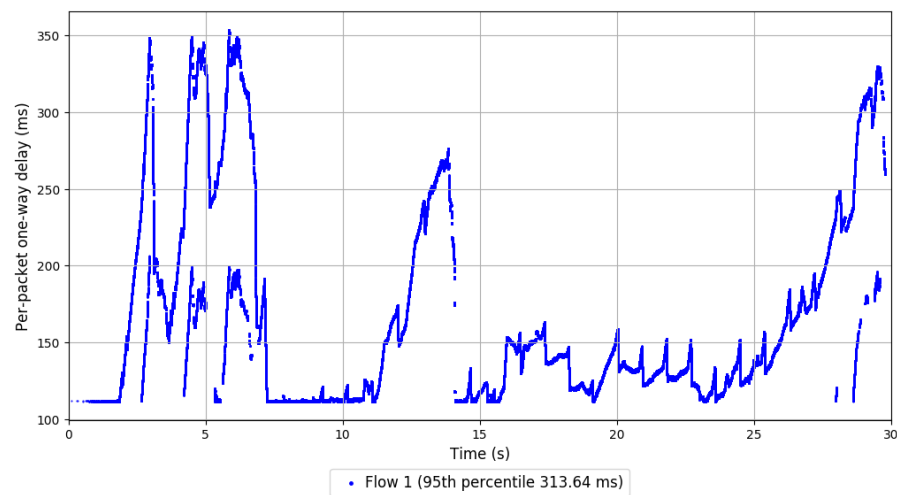
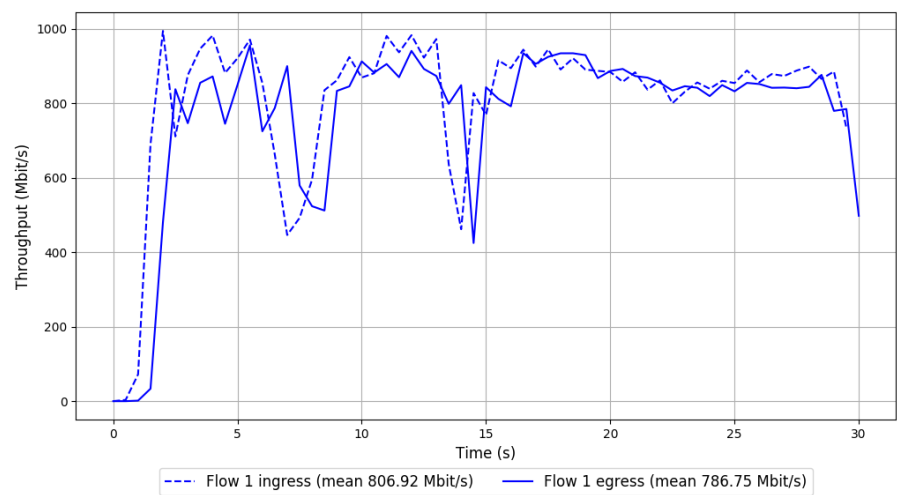


Run 1: Statistics of FillP

Start at: 2018-07-10 08:00:48
End at: 2018-07-10 08:01:18
Local clock offset: -0.035 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-07-10 12:07:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 786.75 Mbit/s
95th percentile per-packet one-way delay: 313.642 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 786.75 Mbit/s
95th percentile per-packet one-way delay: 313.642 ms
Loss rate: 3.23%

Run 1: Report of FillP — Data Link

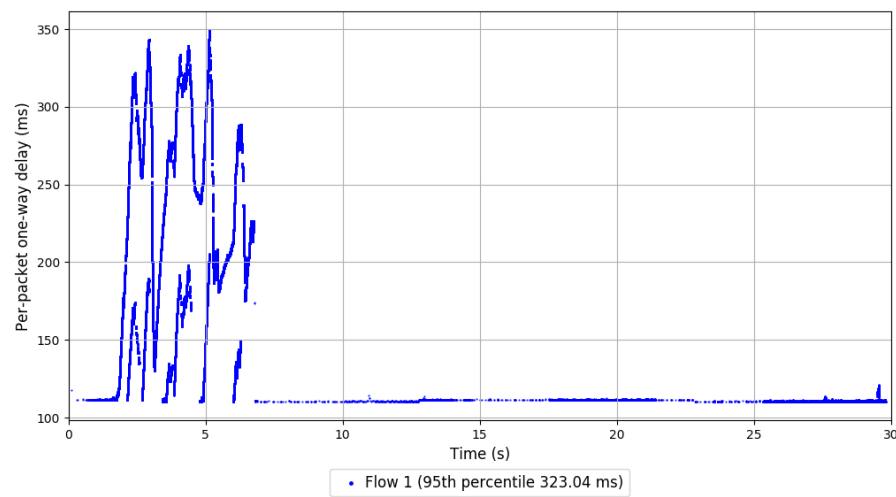
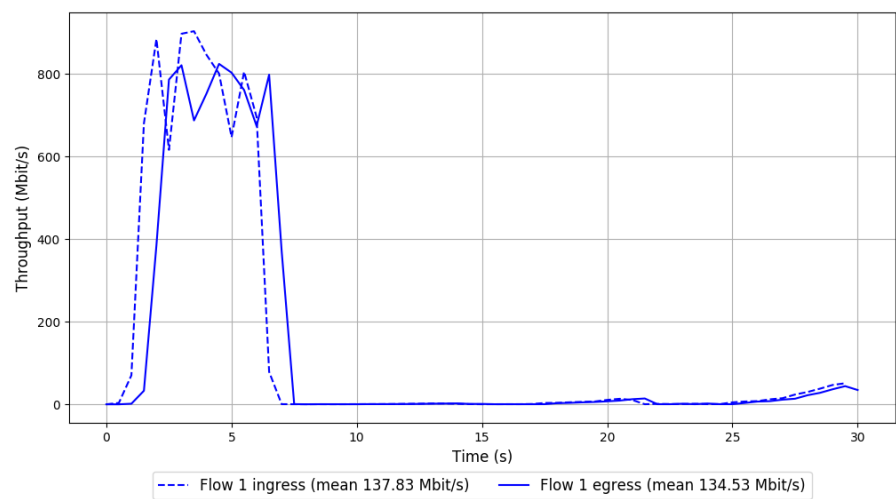


Run 2: Statistics of FillP

Start at: 2018-07-10 08:23:30
End at: 2018-07-10 08:24:00
Local clock offset: 0.024 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-10 12:07:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.53 Mbit/s
95th percentile per-packet one-way delay: 323.040 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 134.53 Mbit/s
95th percentile per-packet one-way delay: 323.040 ms
Loss rate: 3.14%

Run 2: Report of FillP — Data Link

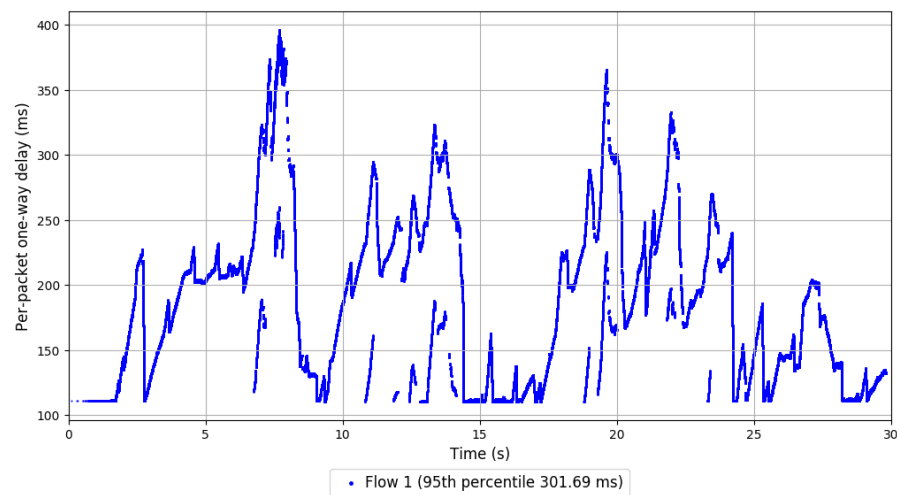
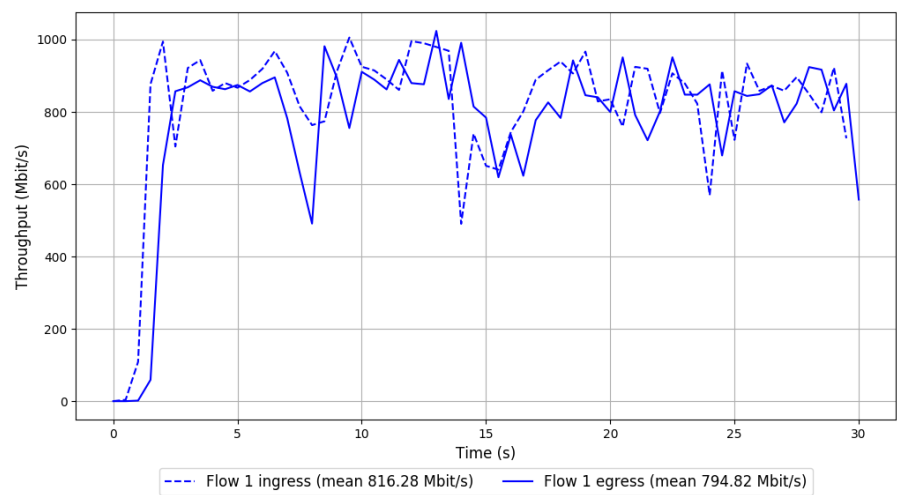


Run 3: Statistics of FillP

Start at: 2018-07-10 08:45:34
End at: 2018-07-10 08:46:04
Local clock offset: -0.191 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-10 12:08:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 794.82 Mbit/s
95th percentile per-packet one-way delay: 301.688 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 794.82 Mbit/s
95th percentile per-packet one-way delay: 301.688 ms
Loss rate: 3.35%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-10 09:08:05

End at: 2018-07-10 09:08:35

Local clock offset: -0.293 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-10 12:09:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 831.49 Mbit/s

95th percentile per-packet one-way delay: 291.083 ms

Loss rate: 1.57%

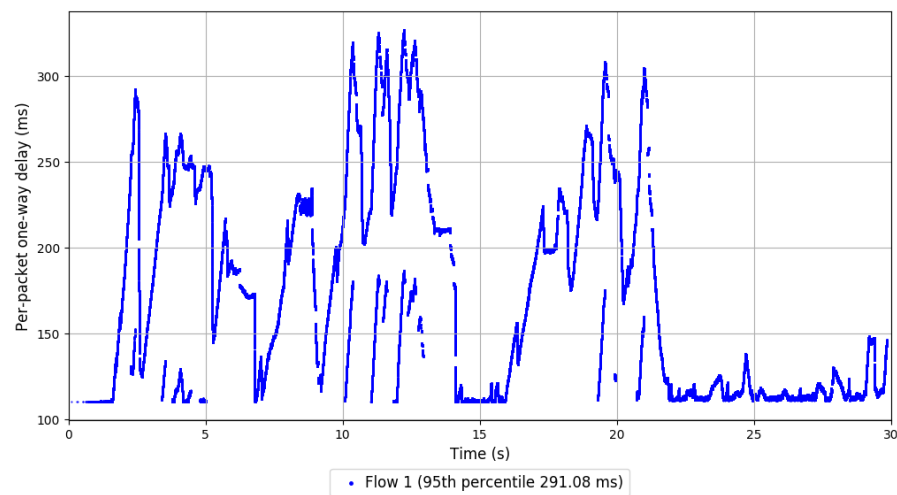
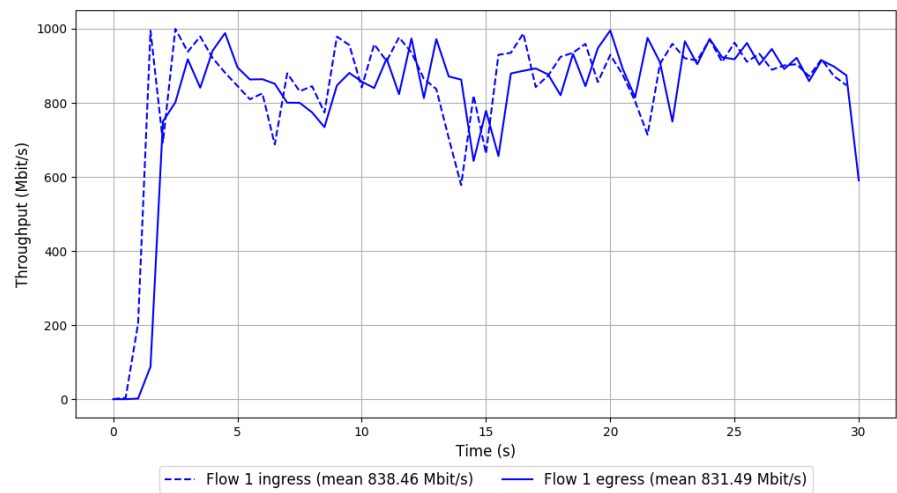
-- Flow 1:

Average throughput: 831.49 Mbit/s

95th percentile per-packet one-way delay: 291.083 ms

Loss rate: 1.57%

Run 4: Report of FillP — Data Link

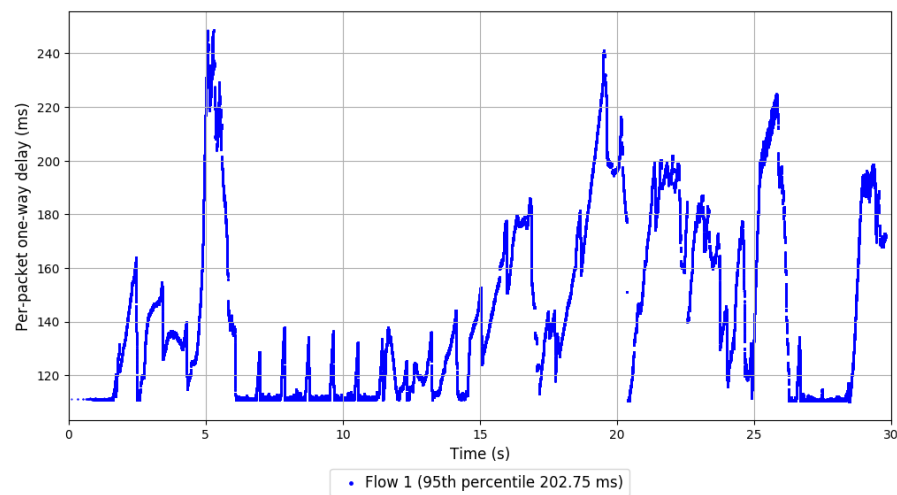
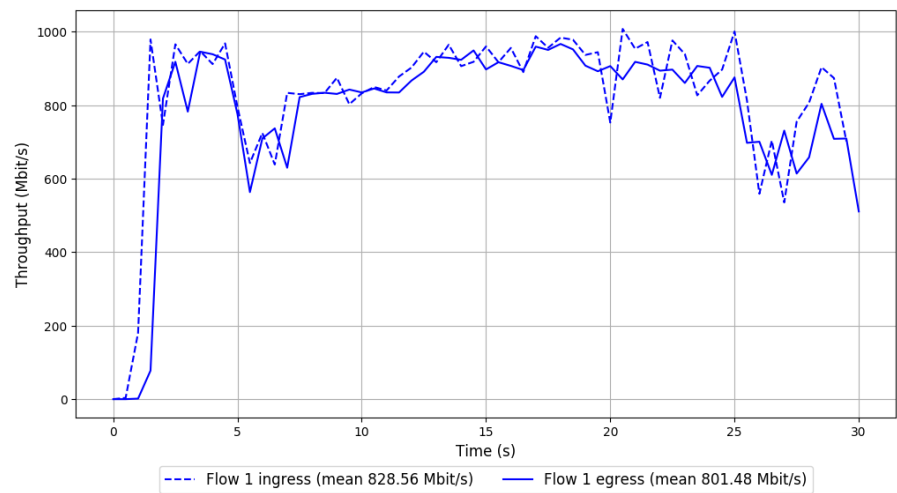


Run 5: Statistics of FillP

Start at: 2018-07-10 09:30:44
End at: 2018-07-10 09:31:14
Local clock offset: -0.34 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-10 12:09:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 801.48 Mbit/s
95th percentile per-packet one-way delay: 202.746 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 801.48 Mbit/s
95th percentile per-packet one-way delay: 202.746 ms
Loss rate: 3.99%

Run 5: Report of FillP — Data Link

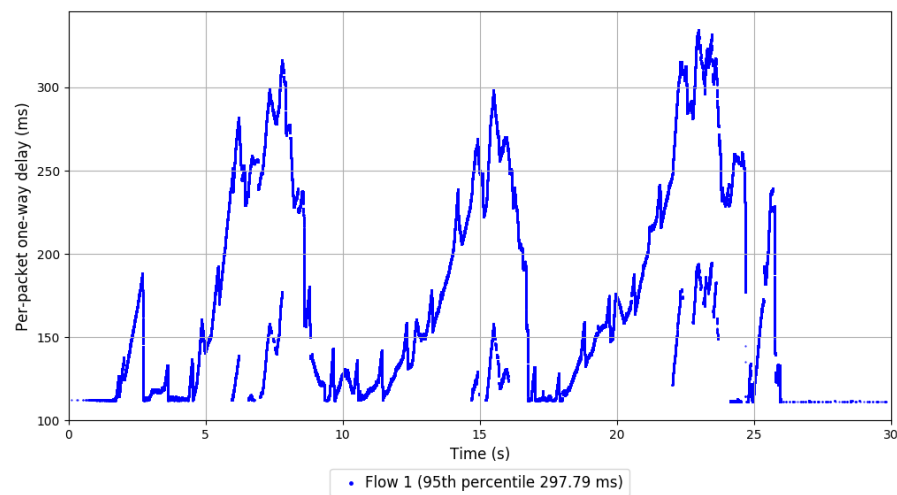
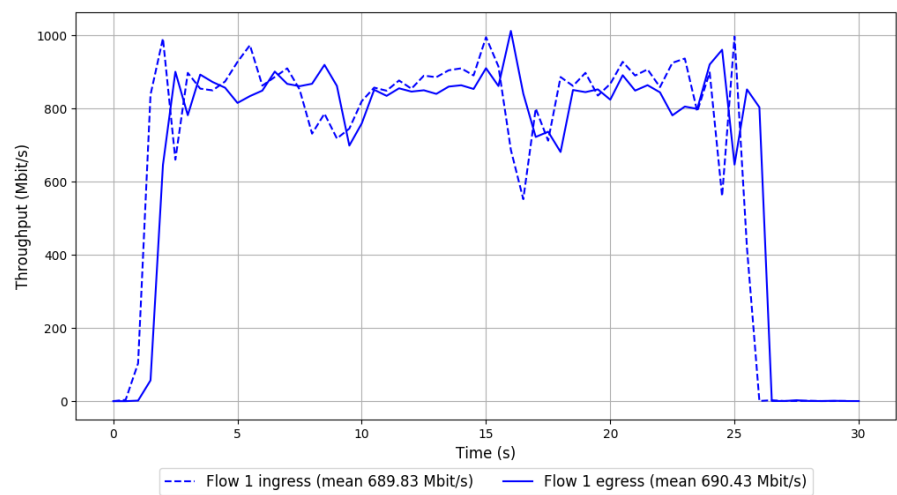


Run 6: Statistics of FillP

Start at: 2018-07-10 09:53:15
End at: 2018-07-10 09:53:45
Local clock offset: -0.405 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-10 12:09:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 690.43 Mbit/s
95th percentile per-packet one-way delay: 297.793 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 690.43 Mbit/s
95th percentile per-packet one-way delay: 297.793 ms
Loss rate: 0.66%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-10 10:16:11

End at: 2018-07-10 10:16:41

Local clock offset: -0.37 ms

Remote clock offset: 0.333 ms

Below is generated by plot.py at 2018-07-10 12:09:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 810.91 Mbit/s

95th percentile per-packet one-way delay: 291.085 ms

Loss rate: 1.91%

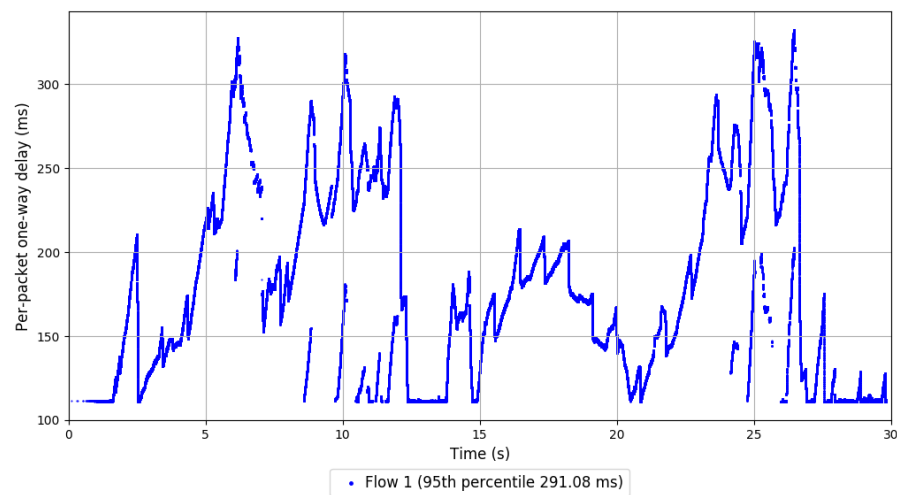
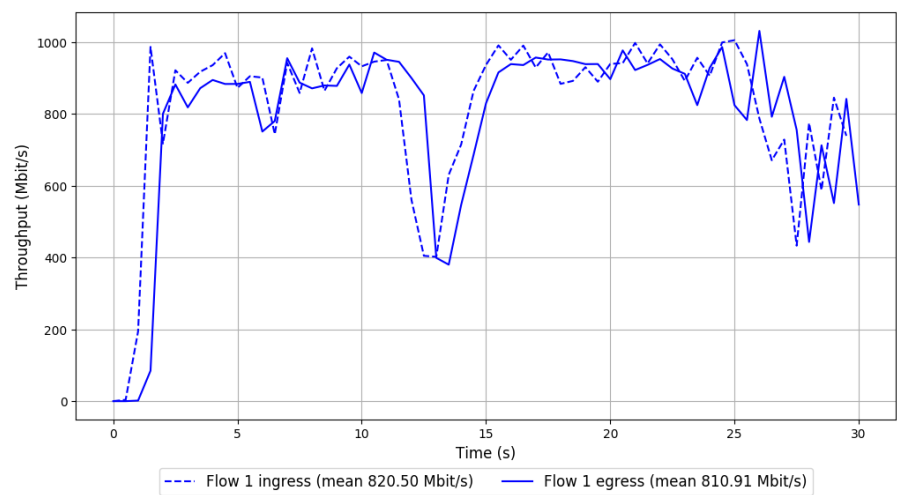
-- Flow 1:

Average throughput: 810.91 Mbit/s

95th percentile per-packet one-way delay: 291.085 ms

Loss rate: 1.91%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-10 10:38:38

End at: 2018-07-10 10:39:08

Local clock offset: -1.395 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-10 12:10:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 850.84 Mbit/s

95th percentile per-packet one-way delay: 265.992 ms

Loss rate: 1.02%

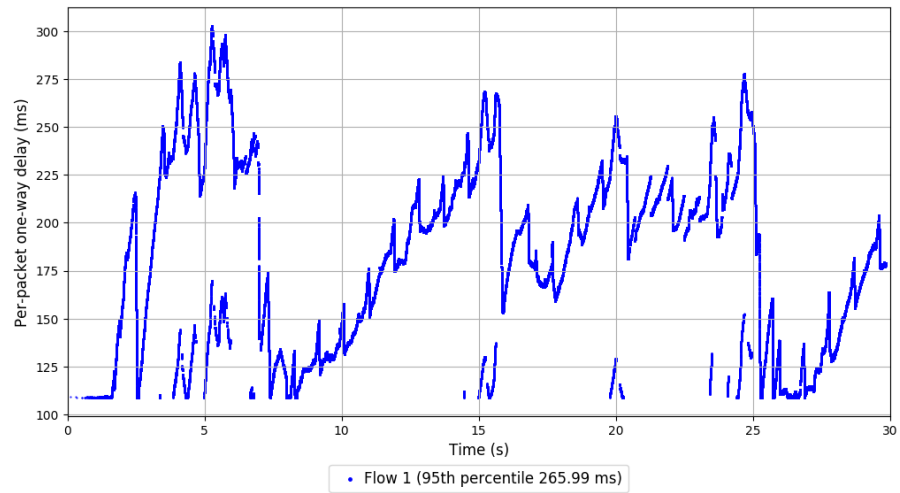
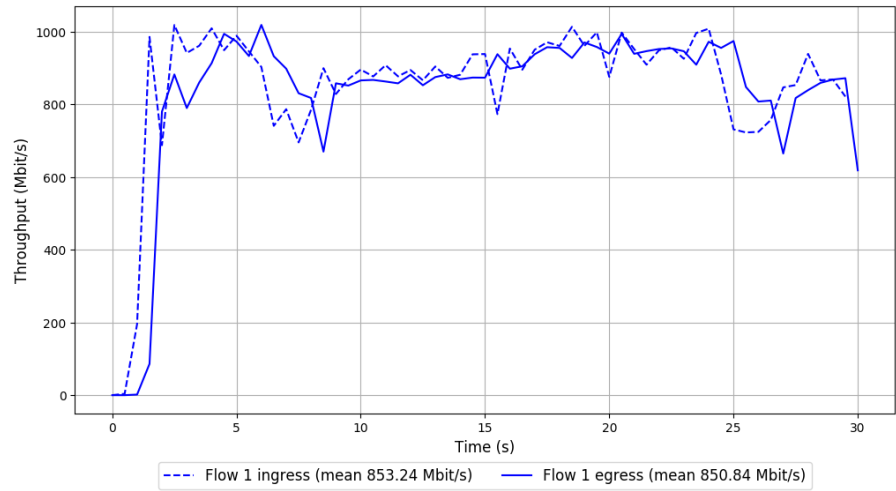
-- Flow 1:

Average throughput: 850.84 Mbit/s

95th percentile per-packet one-way delay: 265.992 ms

Loss rate: 1.02%

Run 8: Report of FillP — Data Link

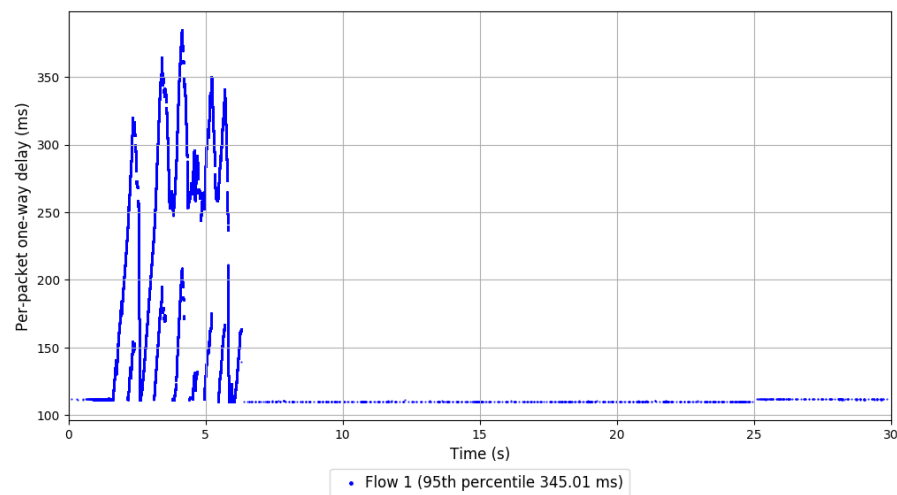
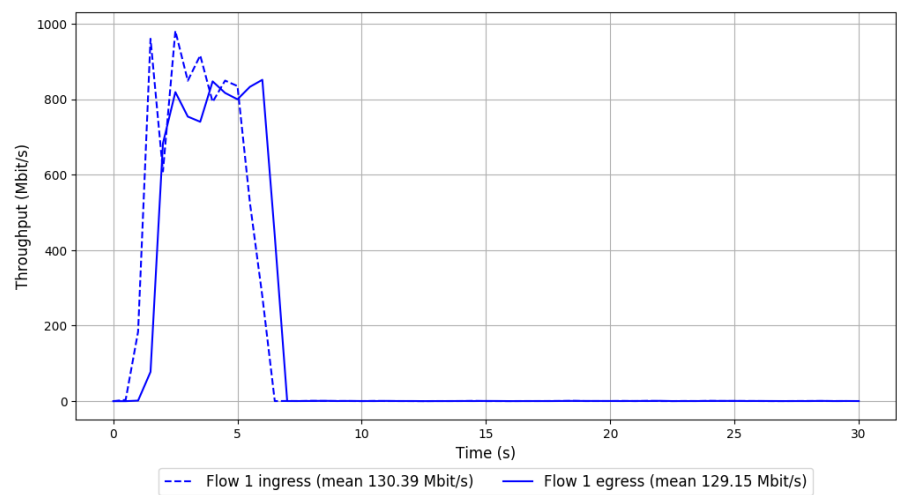


Run 9: Statistics of FillP

Start at: 2018-07-10 11:01:18
End at: 2018-07-10 11:01:48
Local clock offset: -0.044 ms
Remote clock offset: -0.459 ms

Below is generated by plot.py at 2018-07-10 12:10:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.15 Mbit/s
95th percentile per-packet one-way delay: 345.009 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 129.15 Mbit/s
95th percentile per-packet one-way delay: 345.009 ms
Loss rate: 1.56%

Run 9: Report of FillP — Data Link

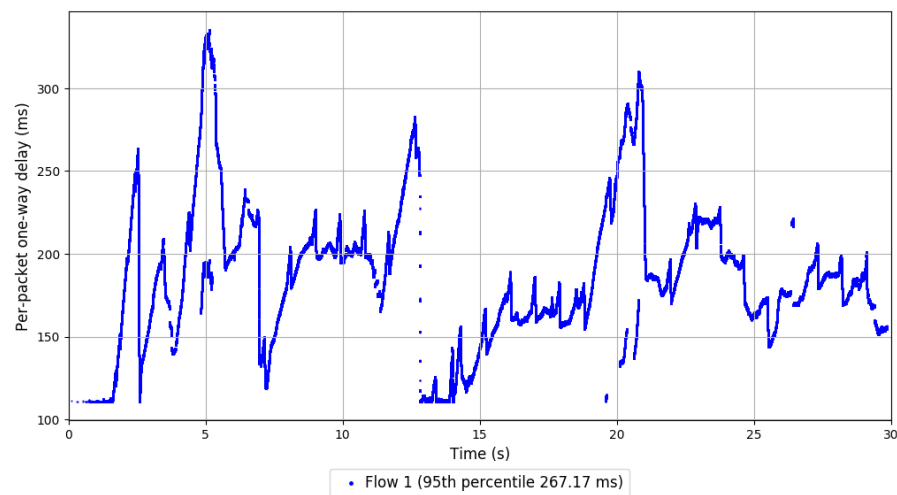
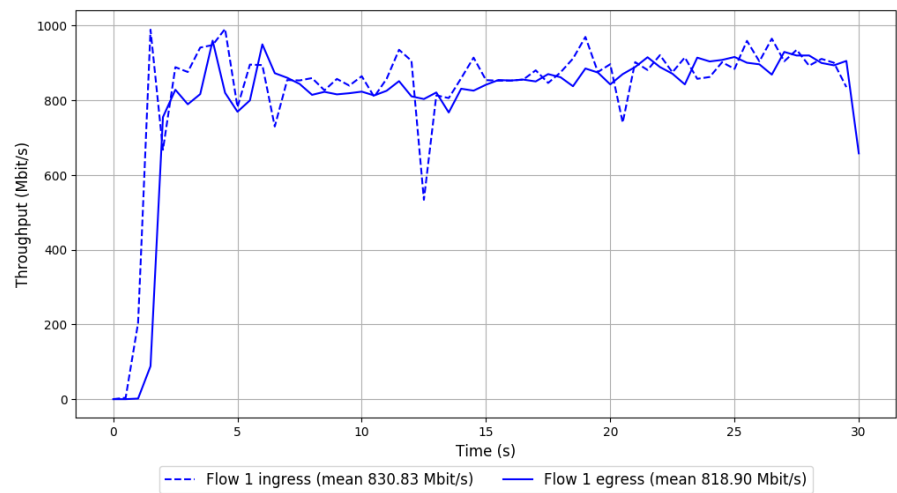


Run 10: Statistics of FillP

Start at: 2018-07-10 11:23:07
End at: 2018-07-10 11:23:37
Local clock offset: -0.288 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-10 12:13:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 818.90 Mbit/s
95th percentile per-packet one-way delay: 267.165 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 818.90 Mbit/s
95th percentile per-packet one-way delay: 267.165 ms
Loss rate: 2.17%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 08:07:42

End at: 2018-07-10 08:08:12

Local clock offset: 0.094 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2018-07-10 12:21:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 689.21 Mbit/s

95th percentile per-packet one-way delay: 339.778 ms

Loss rate: 13.13%

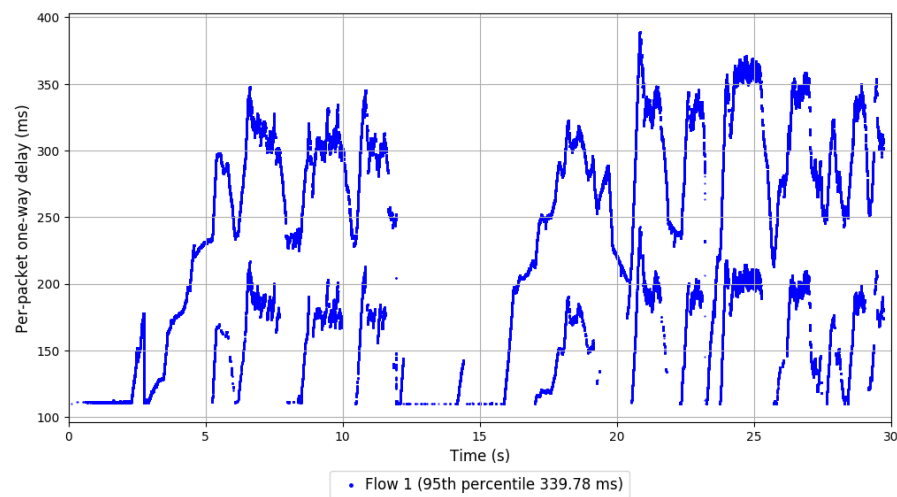
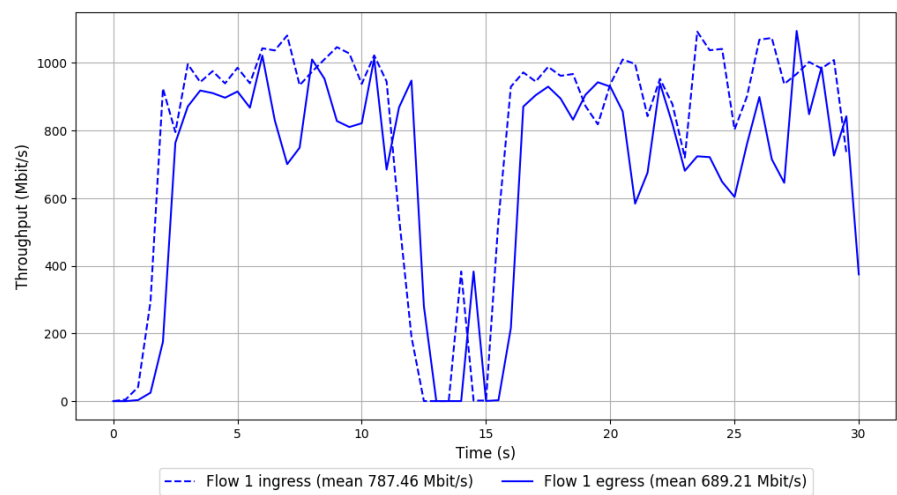
-- Flow 1:

Average throughput: 689.21 Mbit/s

95th percentile per-packet one-way delay: 339.778 ms

Loss rate: 13.13%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 08:29:32

End at: 2018-07-10 08:30:02

Local clock offset: -0.005 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-10 12:22:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 754.61 Mbit/s

95th percentile per-packet one-way delay: 304.432 ms

Loss rate: 2.01%

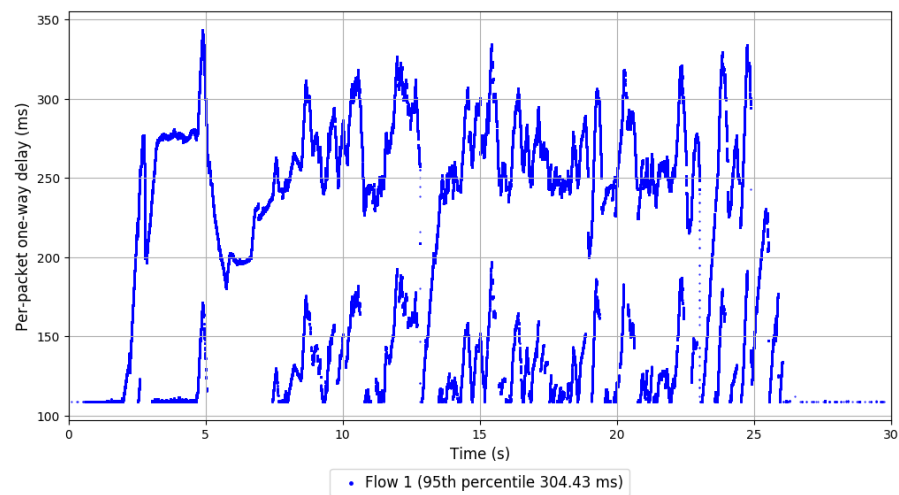
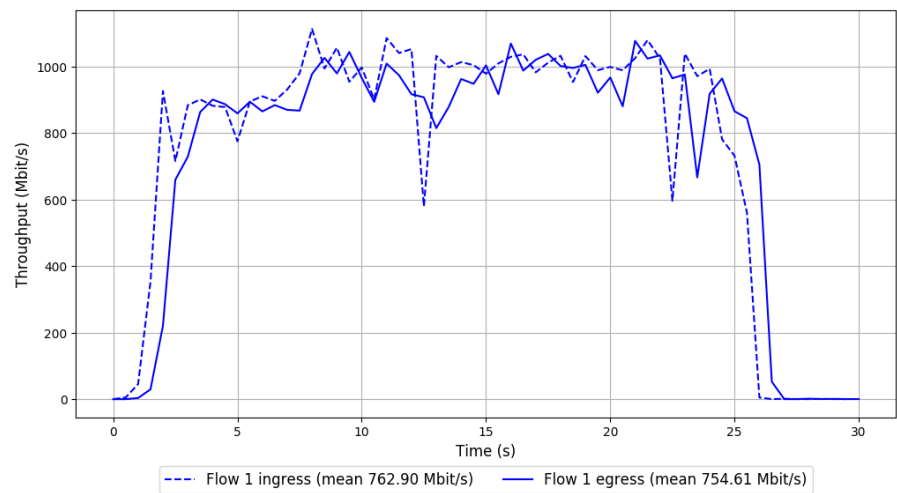
-- Flow 1:

Average throughput: 754.61 Mbit/s

95th percentile per-packet one-way delay: 304.432 ms

Loss rate: 2.01%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 08:52:25

End at: 2018-07-10 08:52:55

Local clock offset: -1.451 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-10 12:22:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.81 Mbit/s

95th percentile per-packet one-way delay: 308.688 ms

Loss rate: 4.38%

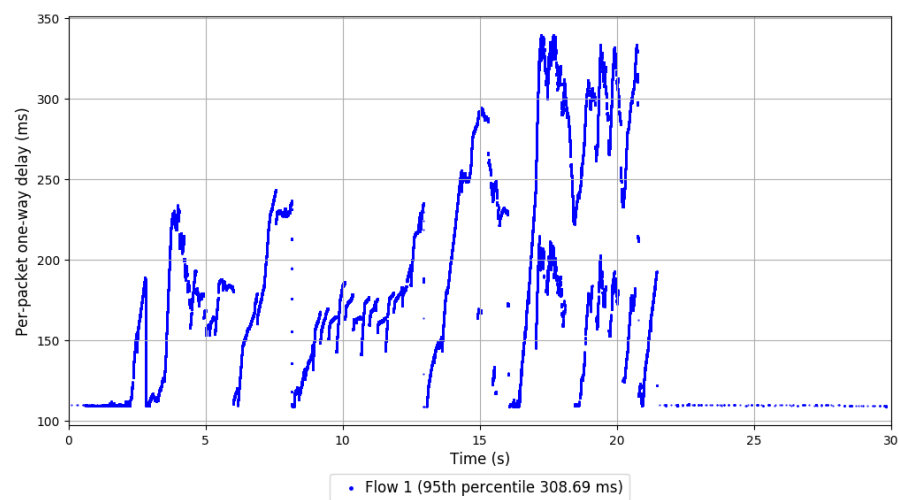
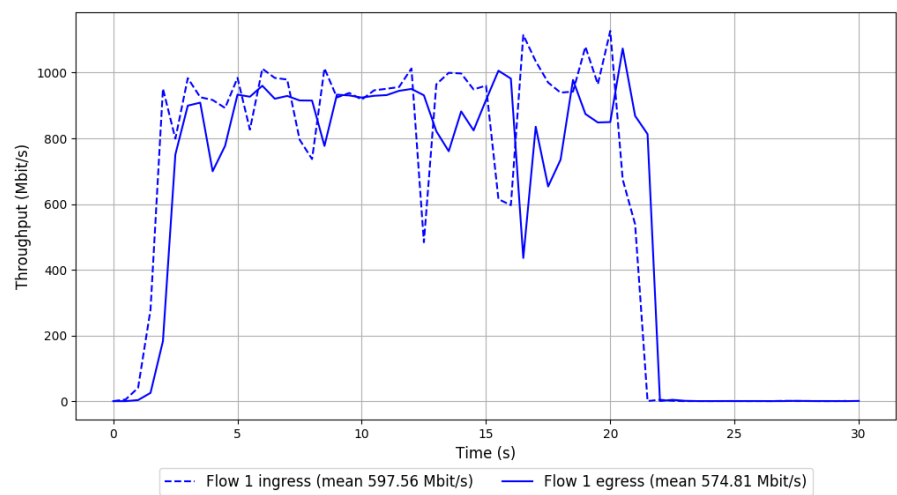
-- Flow 1:

Average throughput: 574.81 Mbit/s

95th percentile per-packet one-way delay: 308.688 ms

Loss rate: 4.38%

Run 3: Report of FillP-Sheep — Data Link

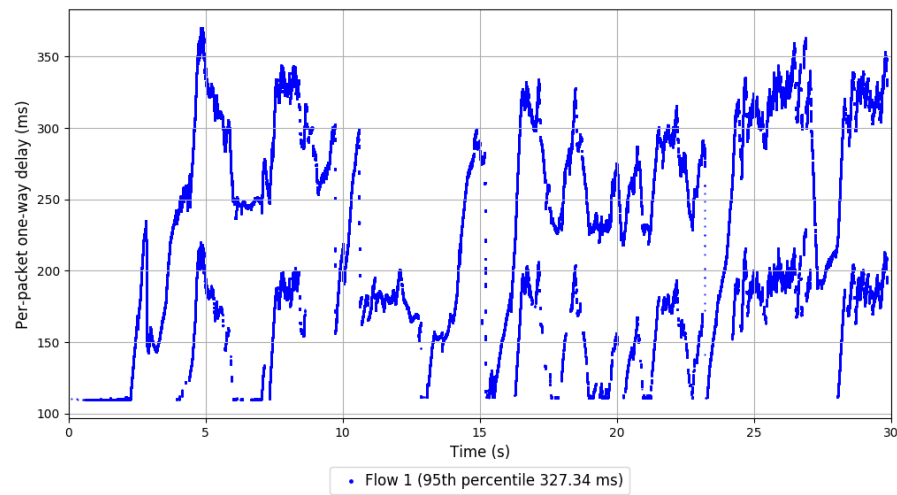
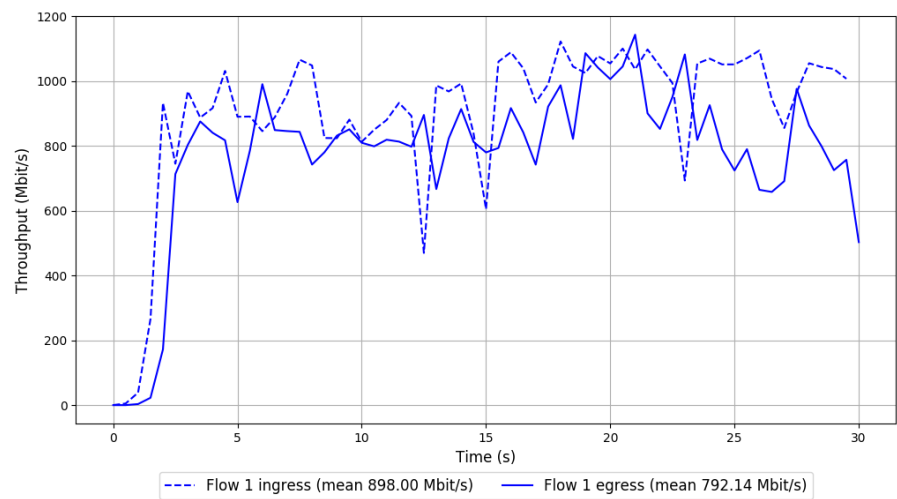


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 09:14:55
End at: 2018-07-10 09:15:25
Local clock offset: -1.322 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-10 12:25:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 792.14 Mbit/s
95th percentile per-packet one-way delay: 327.338 ms
Loss rate: 12.45%
-- Flow 1:
Average throughput: 792.14 Mbit/s
95th percentile per-packet one-way delay: 327.338 ms
Loss rate: 12.45%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 09:37:22

End at: 2018-07-10 09:37:52

Local clock offset: 0.071 ms

Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-10 12:25:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 661.33 Mbit/s

95th percentile per-packet one-way delay: 303.744 ms

Loss rate: 3.18%

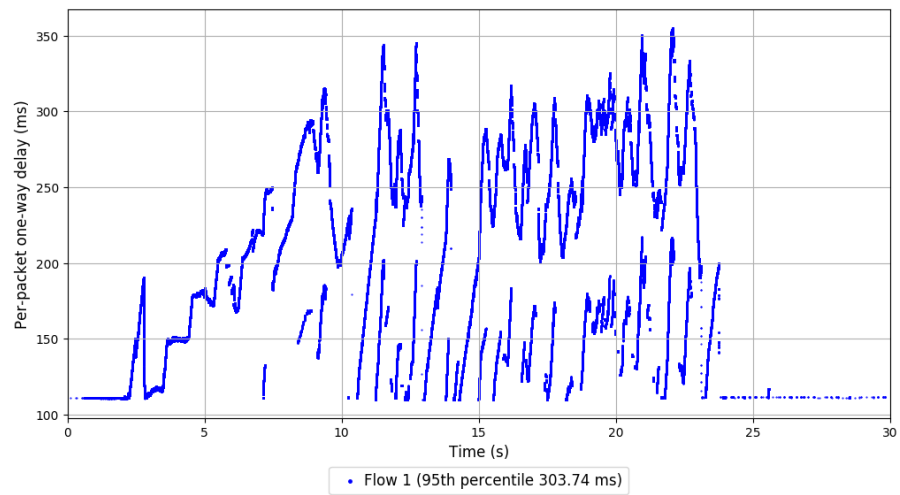
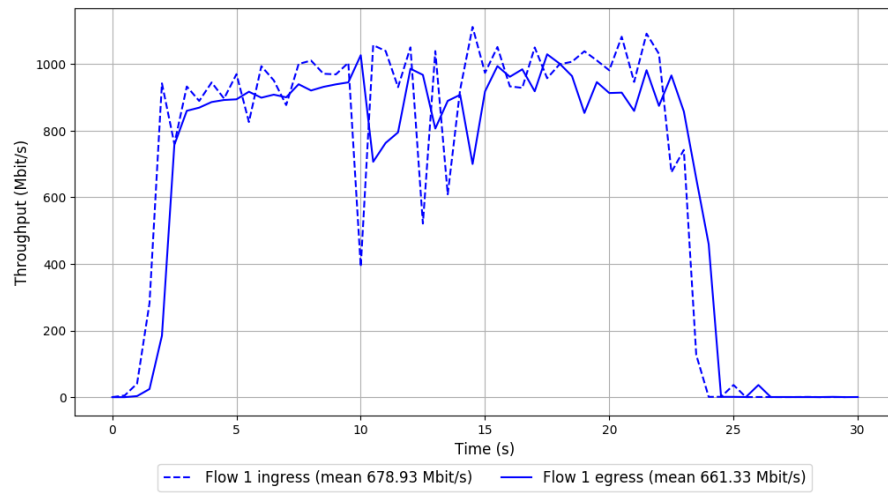
-- Flow 1:

Average throughput: 661.33 Mbit/s

95th percentile per-packet one-way delay: 303.744 ms

Loss rate: 3.18%

Run 5: Report of FillP-Sheep — Data Link

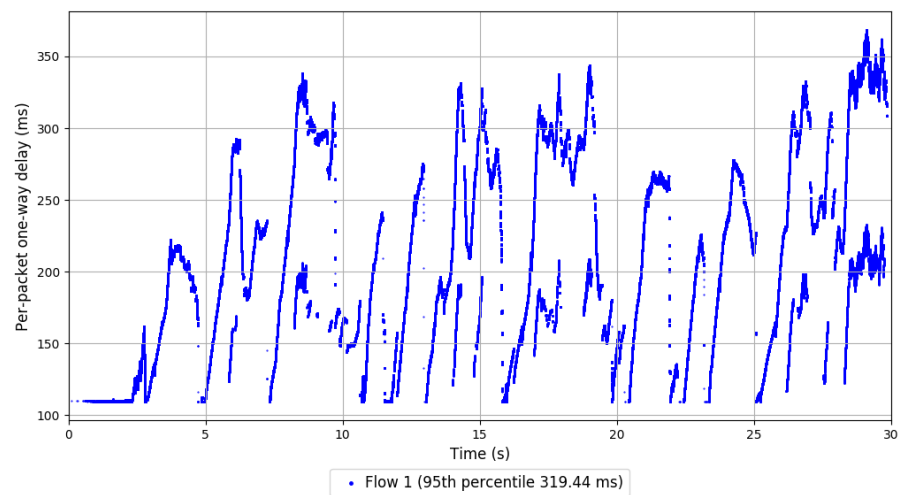
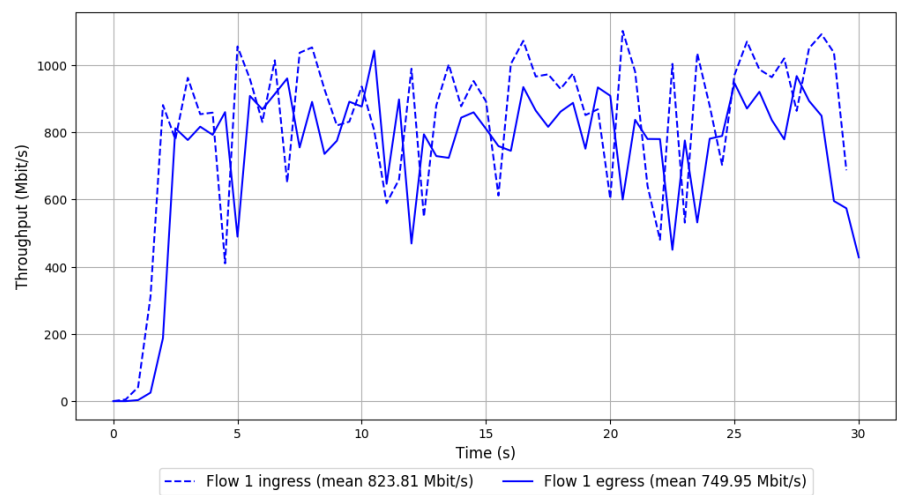


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 10:00:08
End at: 2018-07-10 10:00:38
Local clock offset: -1.545 ms
Remote clock offset: 0.336 ms

Below is generated by plot.py at 2018-07-10 12:25:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 749.95 Mbit/s
95th percentile per-packet one-way delay: 319.441 ms
Loss rate: 9.64%
-- Flow 1:
Average throughput: 749.95 Mbit/s
95th percentile per-packet one-way delay: 319.441 ms
Loss rate: 9.64%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

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

End at: 2018-07-10 10:23:37

Local clock offset: -0.045 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2018-07-10 12:25:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.71 Mbit/s

95th percentile per-packet one-way delay: 303.169 ms

Loss rate: 3.50%

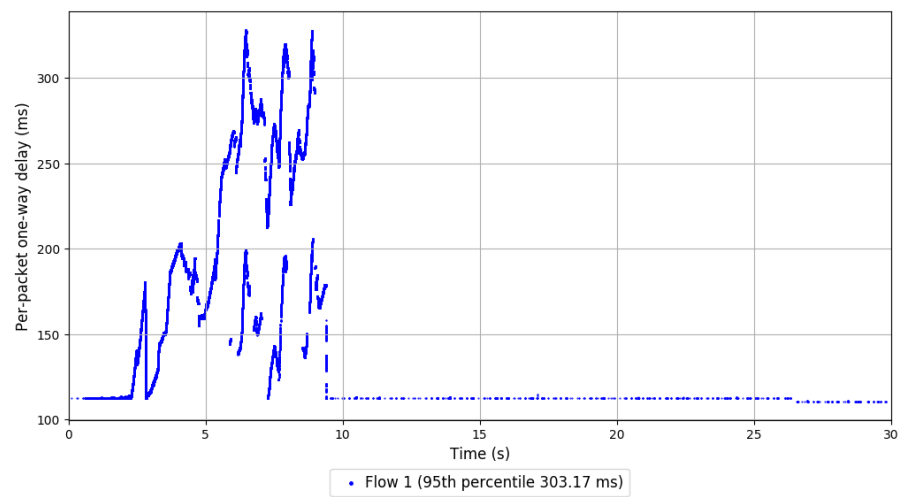
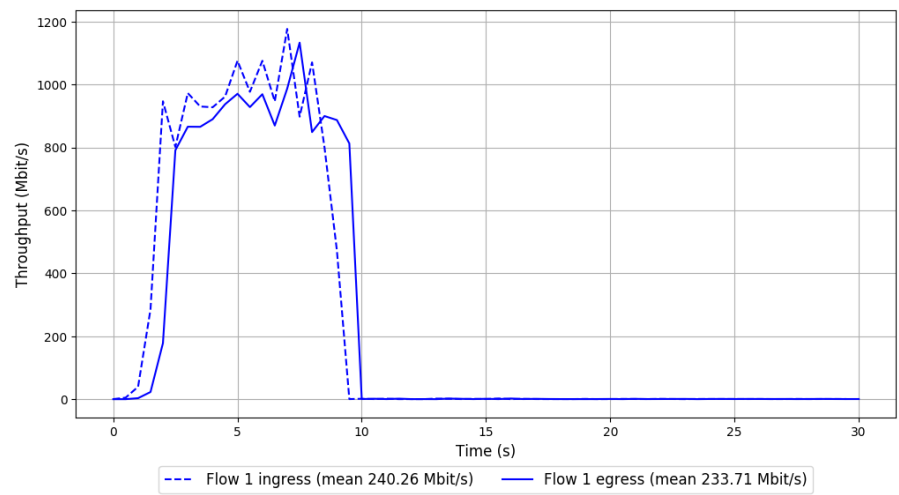
-- Flow 1:

Average throughput: 233.71 Mbit/s

95th percentile per-packet one-way delay: 303.169 ms

Loss rate: 3.50%

Run 7: Report of FillP-Sheep — Data Link

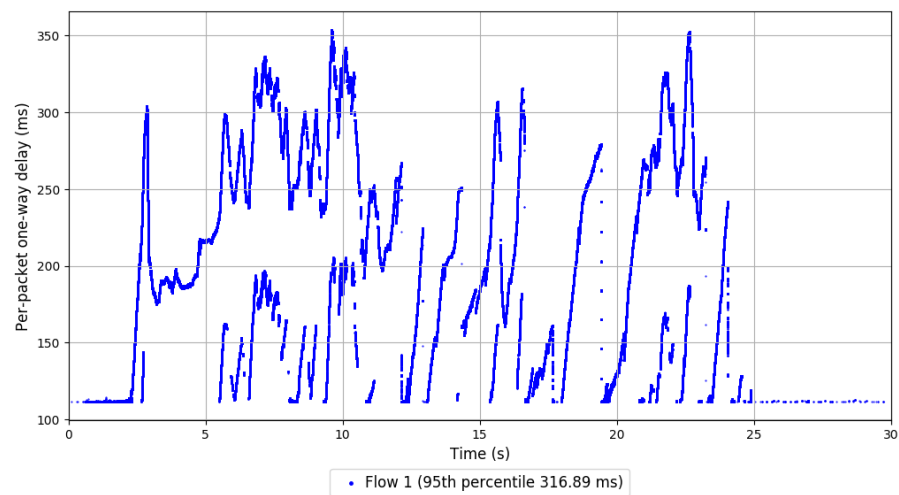
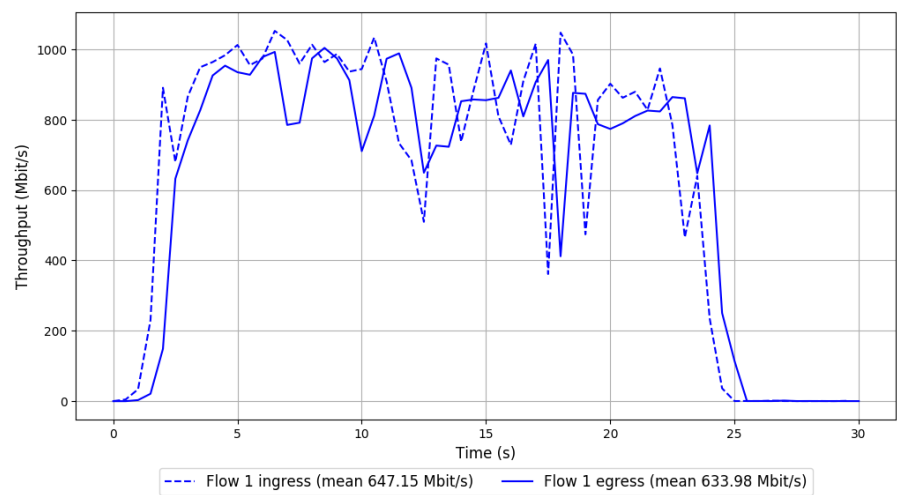


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 10:45:27
End at: 2018-07-10 10:45:58
Local clock offset: 0.18 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-10 12:28:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 633.98 Mbit/s
95th percentile per-packet one-way delay: 316.895 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 633.98 Mbit/s
95th percentile per-packet one-way delay: 316.895 ms
Loss rate: 2.81%

Run 8: Report of FillP-Sheep — Data Link

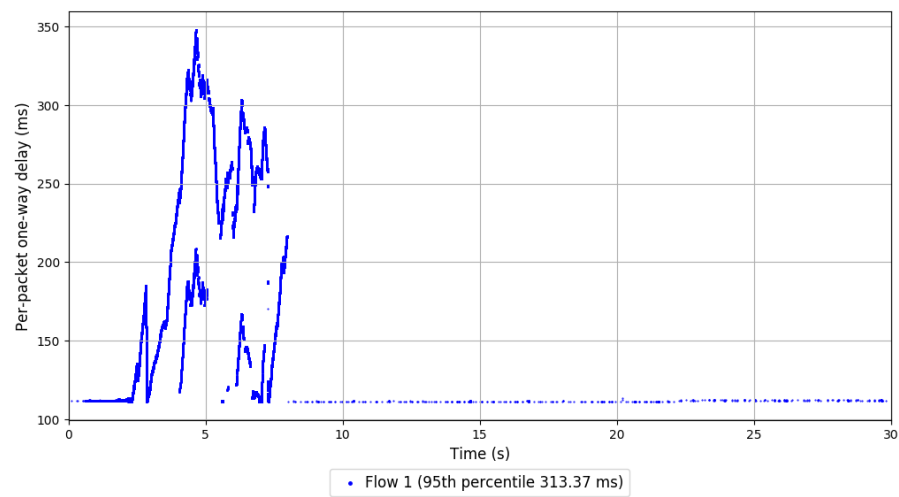
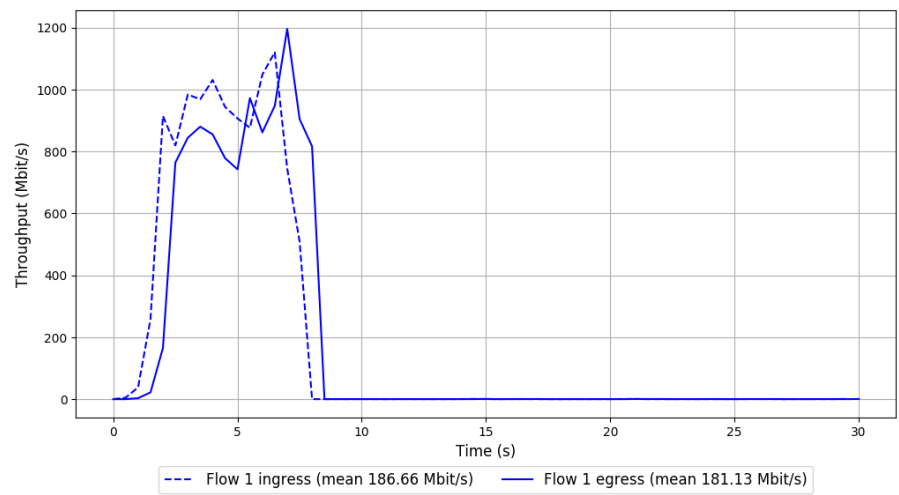


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 11:07:41
End at: 2018-07-10 11:08:11
Local clock offset: -0.378 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-07-10 12:28:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.13 Mbit/s
95th percentile per-packet one-way delay: 313.373 ms
Loss rate: 3.71%
-- Flow 1:
Average throughput: 181.13 Mbit/s
95th percentile per-packet one-way delay: 313.373 ms
Loss rate: 3.71%

Run 9: Report of FillP-Sheep — Data Link

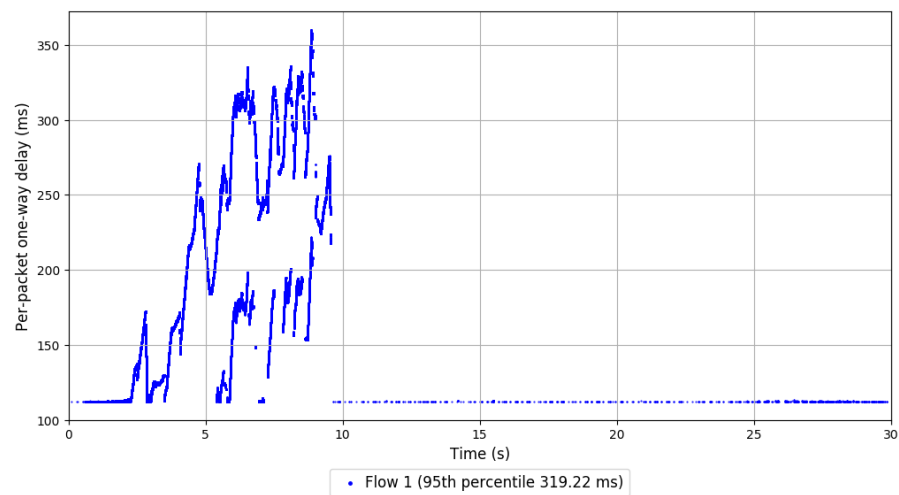
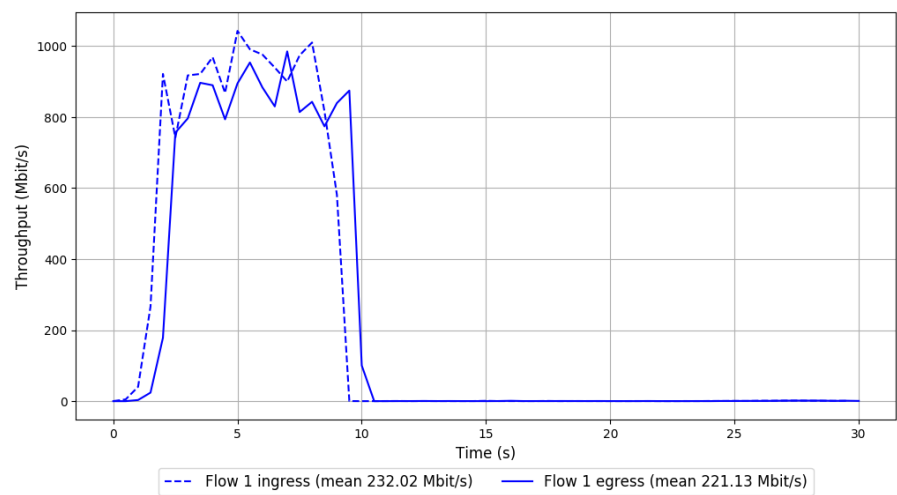


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 11:29:56
End at: 2018-07-10 11:30:26
Local clock offset: -0.029 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-10 12:28:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: 319.223 ms
Loss rate: 5.41%
-- Flow 1:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: 319.223 ms
Loss rate: 5.41%

Run 10: Report of FillP-Sheep — Data Link

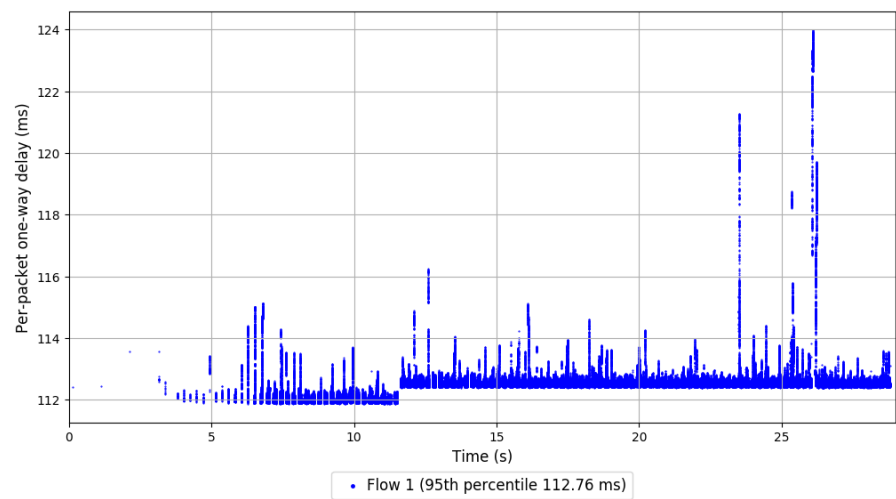
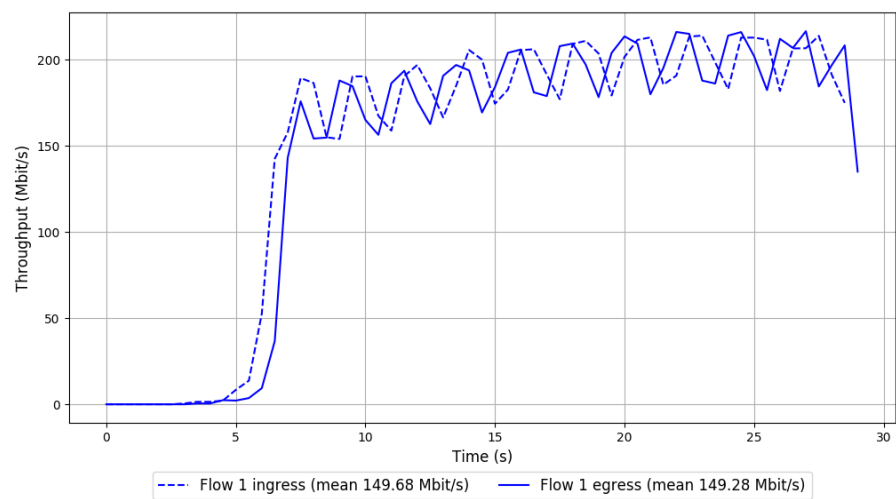


```
Run 1: Statistics of Indigo

Start at: 2018-07-10 07:59:30
End at: 2018-07-10 08:00:00
Local clock offset: 1.102 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-07-10 12:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.28 Mbit/s
95th percentile per-packet one-way delay: 112.764 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 149.28 Mbit/s
95th percentile per-packet one-way delay: 112.764 ms
Loss rate: 1.03%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-10 08:22:12

End at: 2018-07-10 08:22:42

Local clock offset: 1.074 ms

Remote clock offset: -0.41 ms

Below is generated by plot.py at 2018-07-10 12:28:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.45 Mbit/s

95th percentile per-packet one-way delay: 113.648 ms

Loss rate: 0.79%

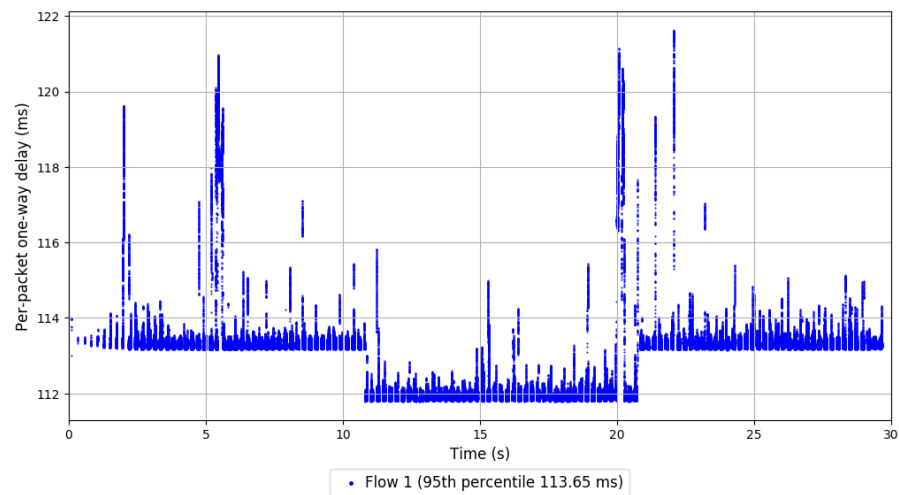
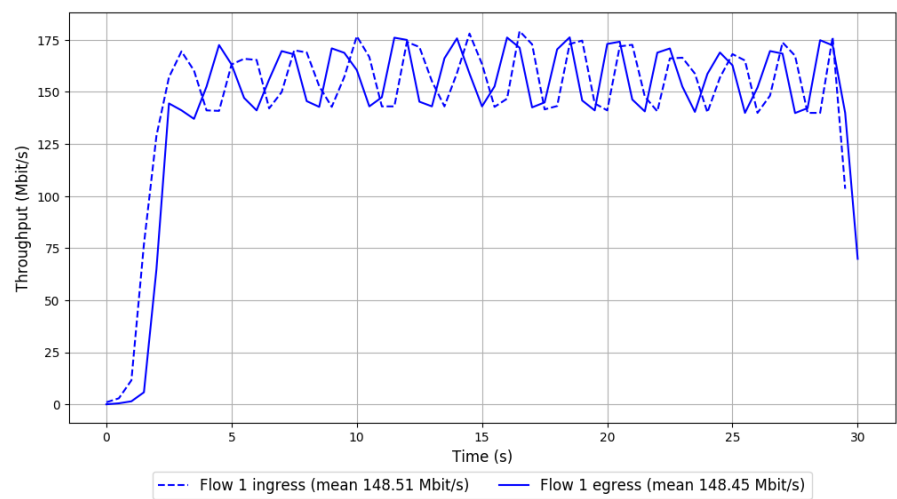
-- Flow 1:

Average throughput: 148.45 Mbit/s

95th percentile per-packet one-way delay: 113.648 ms

Loss rate: 0.79%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-10 08:44:16

End at: 2018-07-10 08:44:46

Local clock offset: -0.04 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-10 12:28:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.66 Mbit/s

95th percentile per-packet one-way delay: 112.442 ms

Loss rate: 0.79%

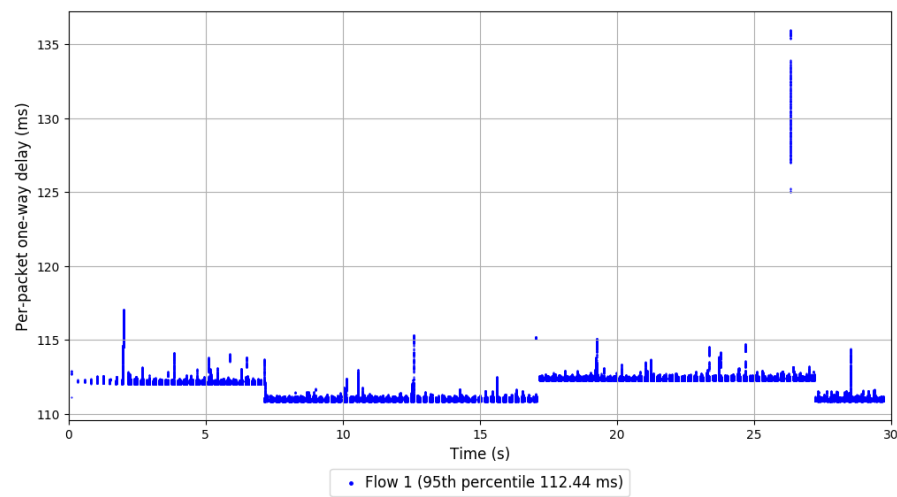
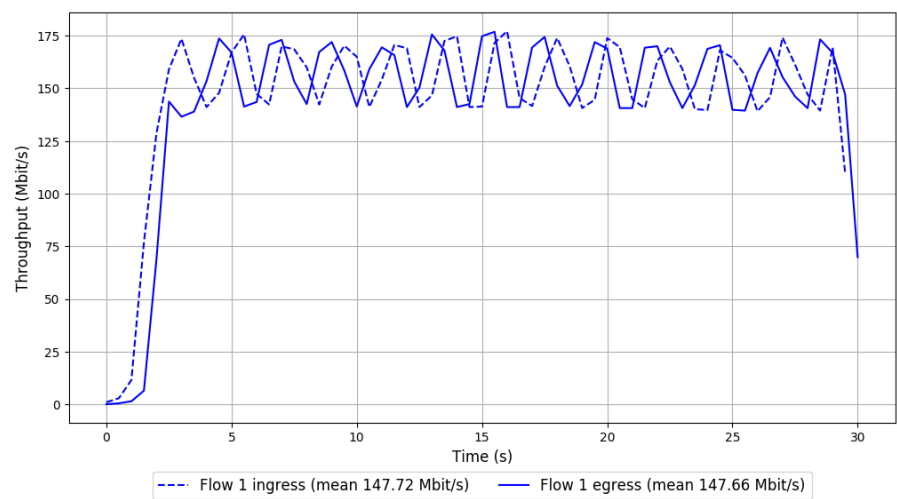
-- Flow 1:

Average throughput: 147.66 Mbit/s

95th percentile per-packet one-way delay: 112.442 ms

Loss rate: 0.79%

Run 3: Report of Indigo — Data Link

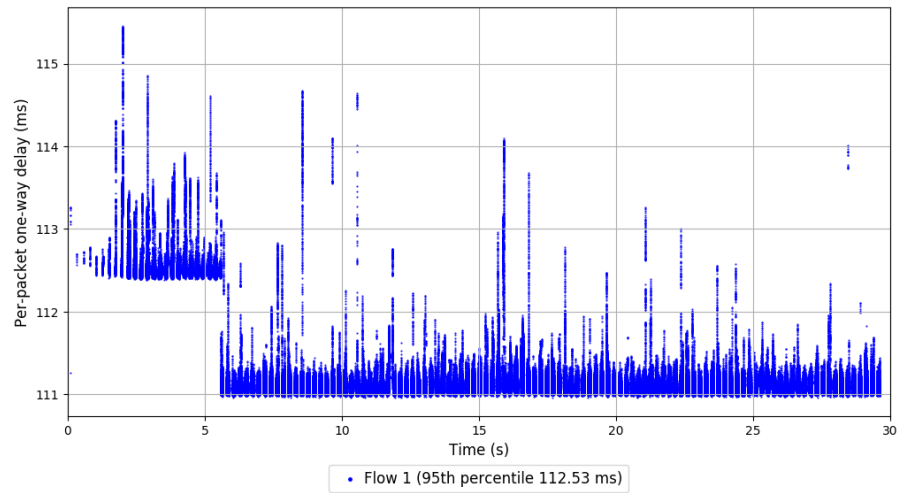
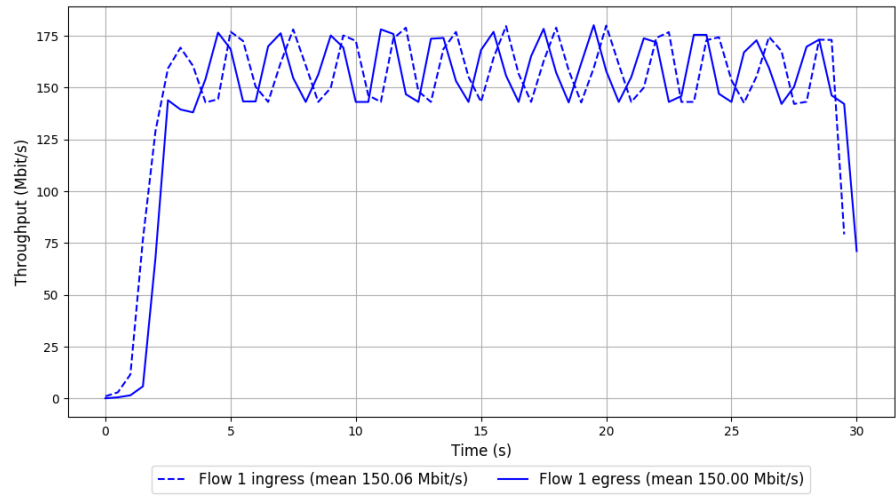


Run 4: Statistics of Indigo

Start at: 2018-07-10 09:06:47
End at: 2018-07-10 09:07:17
Local clock offset: 0.026 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-10 12:28:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.00 Mbit/s
95th percentile per-packet one-way delay: 112.534 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 150.00 Mbit/s
95th percentile per-packet one-way delay: 112.534 ms
Loss rate: 0.80%

Run 4: Report of Indigo — Data Link

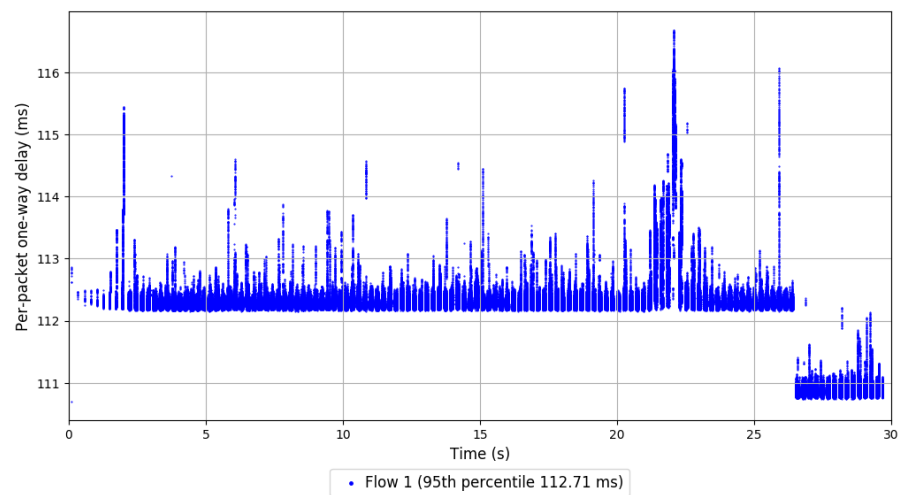
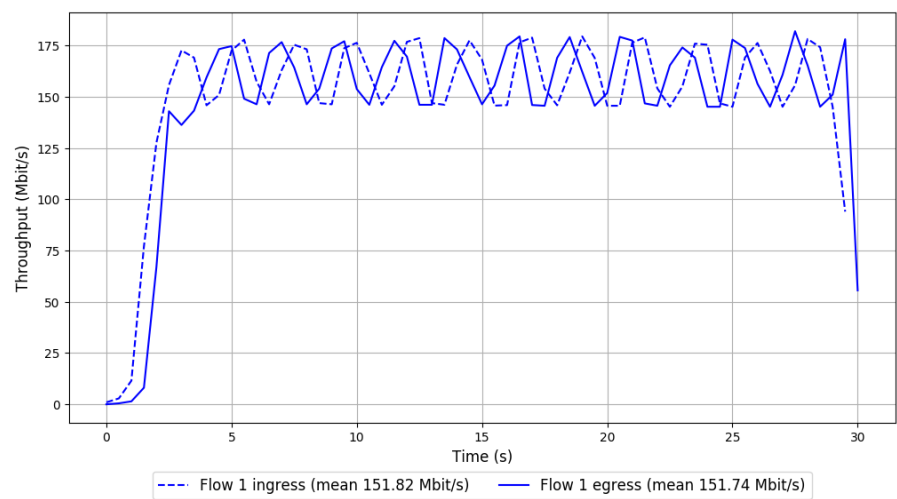


Run 5: Statistics of Indigo

Start at: 2018-07-10 09:29:26
End at: 2018-07-10 09:29:56
Local clock offset: -0.273 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-10 12:28:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.74 Mbit/s
95th percentile per-packet one-way delay: 112.707 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 151.74 Mbit/s
95th percentile per-packet one-way delay: 112.707 ms
Loss rate: 0.80%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-10 09:51:57

End at: 2018-07-10 09:52:27

Local clock offset: -0.08 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-10 12:28:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.26 Mbit/s

95th percentile per-packet one-way delay: 111.589 ms

Loss rate: 0.76%

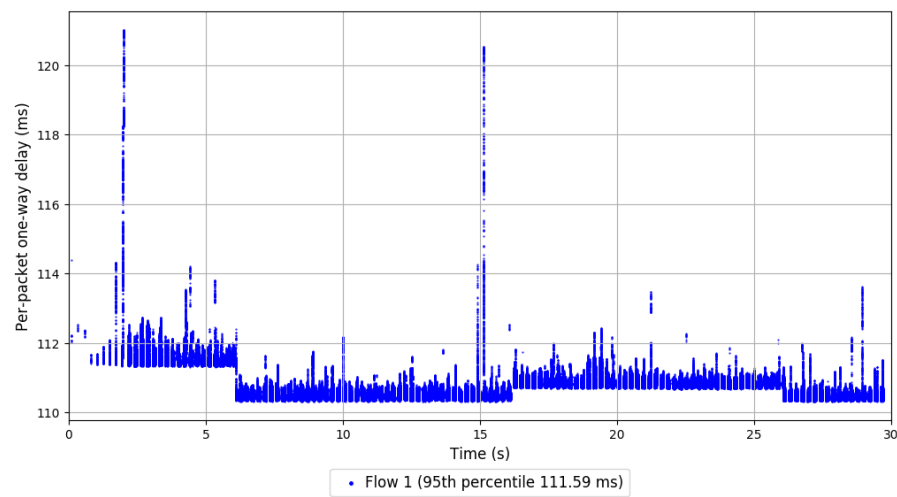
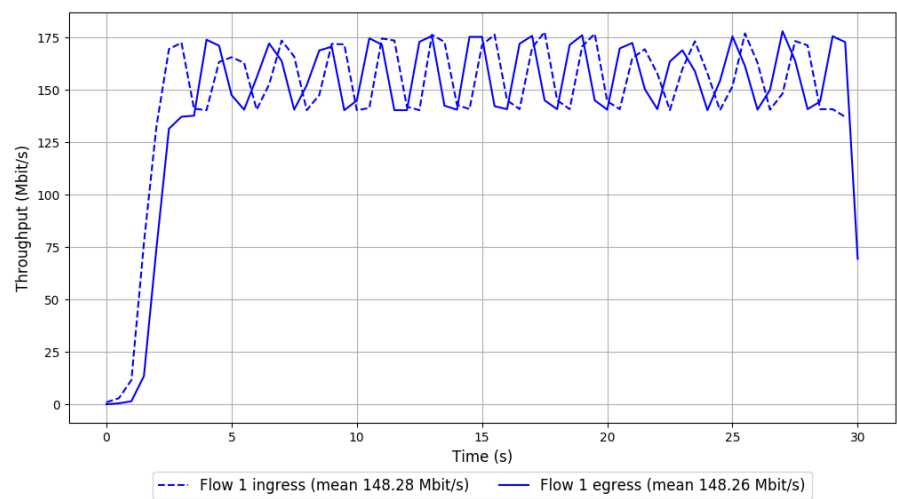
-- Flow 1:

Average throughput: 148.26 Mbit/s

95th percentile per-packet one-way delay: 111.589 ms

Loss rate: 0.76%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-10 10:14:53

End at: 2018-07-10 10:15:23

Local clock offset: -1.511 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-07-10 12:28:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.15 Mbit/s

95th percentile per-packet one-way delay: 109.450 ms

Loss rate: 0.77%

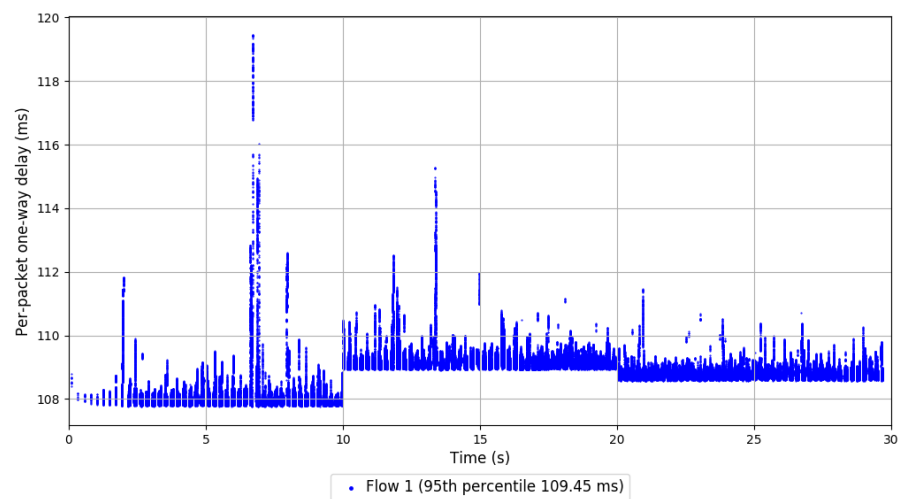
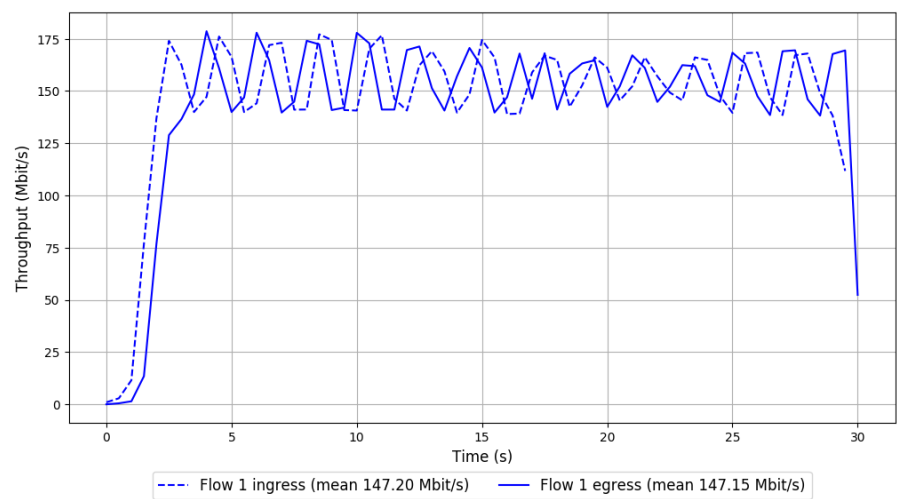
-- Flow 1:

Average throughput: 147.15 Mbit/s

95th percentile per-packet one-way delay: 109.450 ms

Loss rate: 0.77%

Run 7: Report of Indigo — Data Link

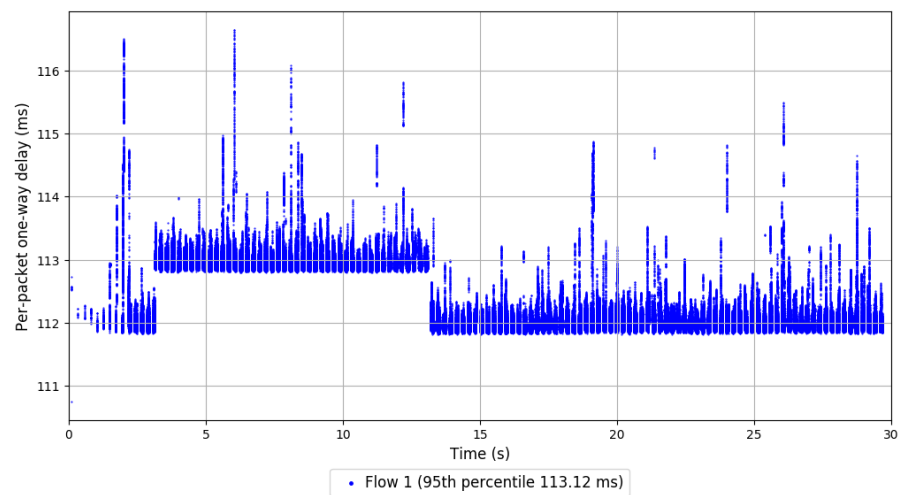
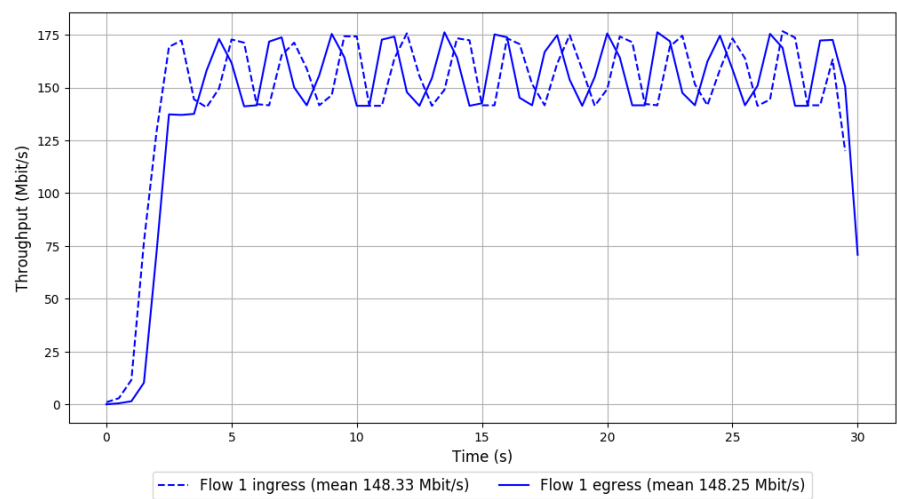


Run 8: Statistics of Indigo

Start at: 2018-07-10 10:37:20
End at: 2018-07-10 10:37:50
Local clock offset: 1.078 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-10 12:28:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.25 Mbit/s
95th percentile per-packet one-way delay: 113.117 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 148.25 Mbit/s
95th percentile per-packet one-way delay: 113.117 ms
Loss rate: 0.80%

Run 8: Report of Indigo — Data Link

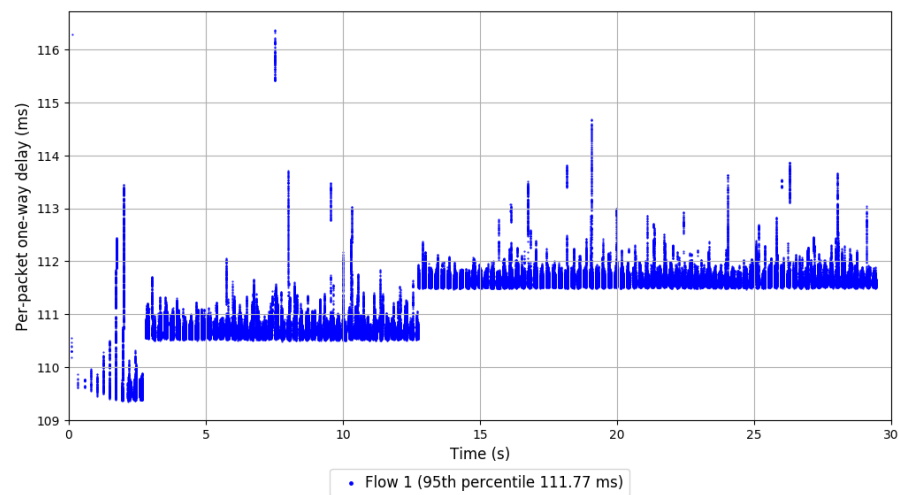
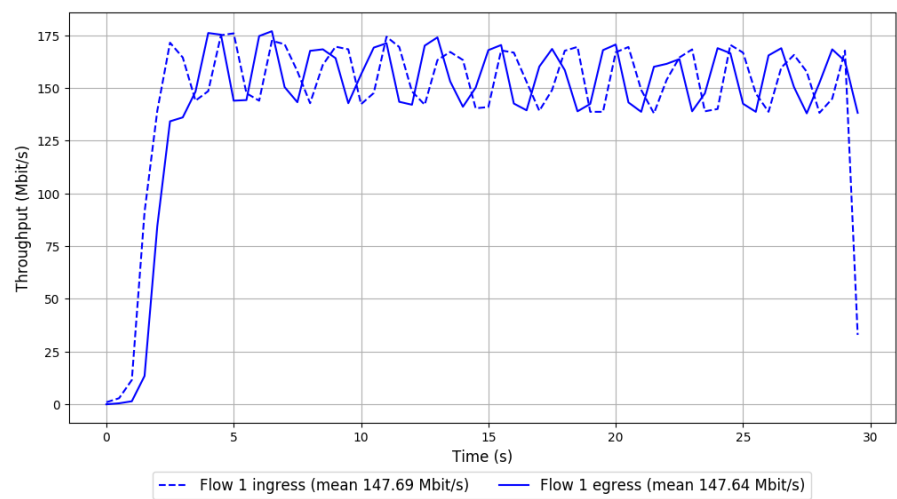


Run 9: Statistics of Indigo

Start at: 2018-07-10 11:00:00
End at: 2018-07-10 11:00:30
Local clock offset: -0.193 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-10 12:28:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.64 Mbit/s
95th percentile per-packet one-way delay: 111.770 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 147.64 Mbit/s
95th percentile per-packet one-way delay: 111.770 ms
Loss rate: 0.79%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-10 11:21:49

End at: 2018-07-10 11:22:19

Local clock offset: 0.106 ms

Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-10 12:28:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.73 Mbit/s

95th percentile per-packet one-way delay: 112.084 ms

Loss rate: 0.80%

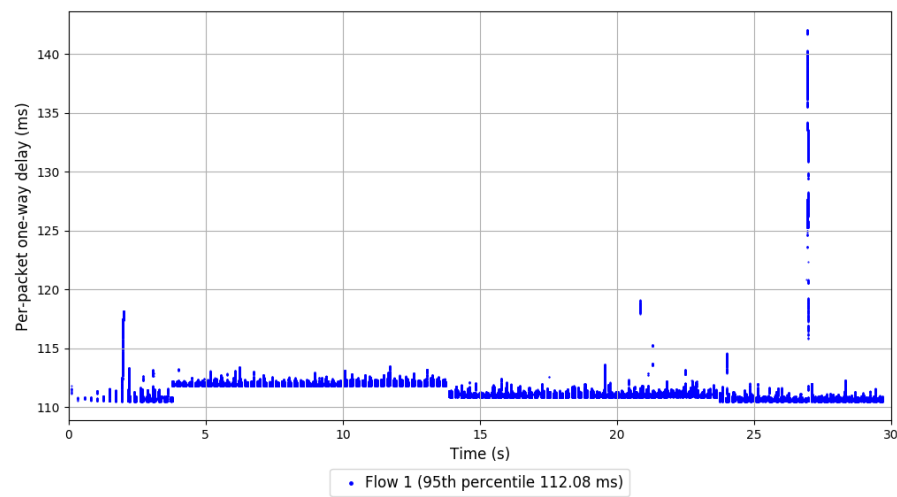
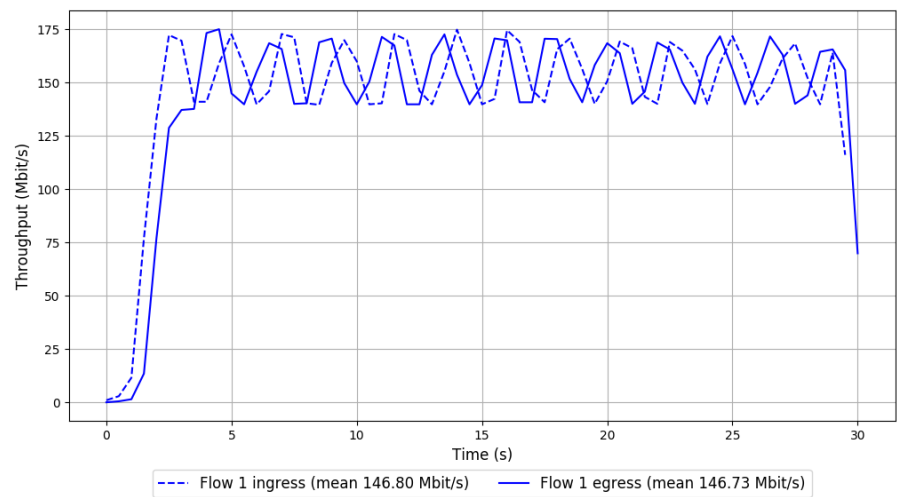
-- Flow 1:

Average throughput: 146.73 Mbit/s

95th percentile per-packet one-way delay: 112.084 ms

Loss rate: 0.80%

Run 10: Report of Indigo — Data Link

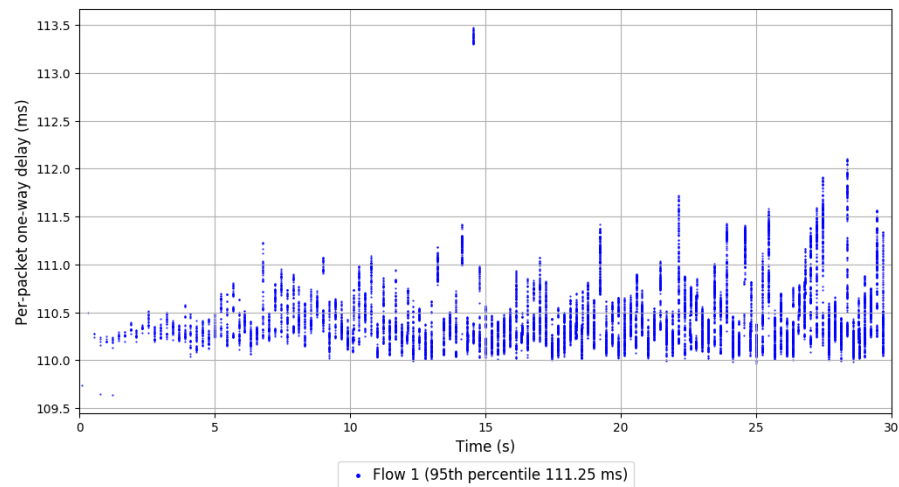
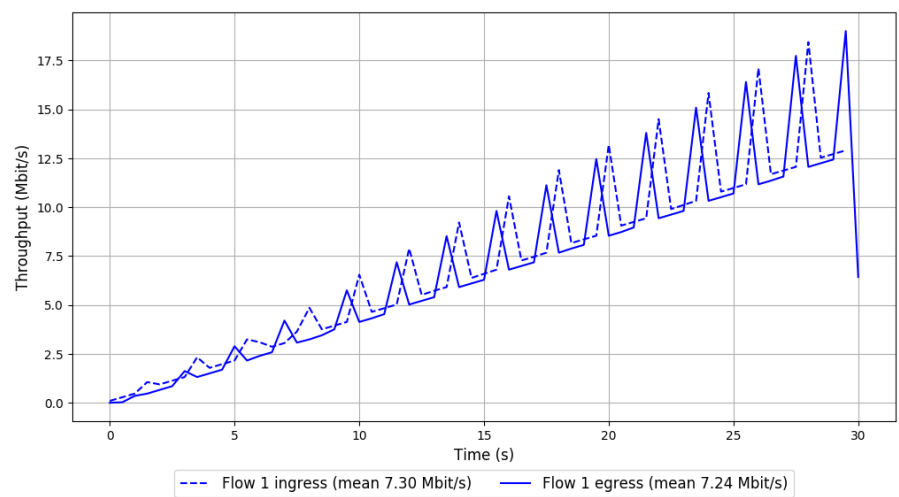


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-10 07:51:44
End at: 2018-07-10 07:52:14
Local clock offset: -1.371 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-07-10 12:28:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 111.255 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 111.255 ms
Loss rate: 1.49%
```


Run 1: Report of LEDBAT — Data Link

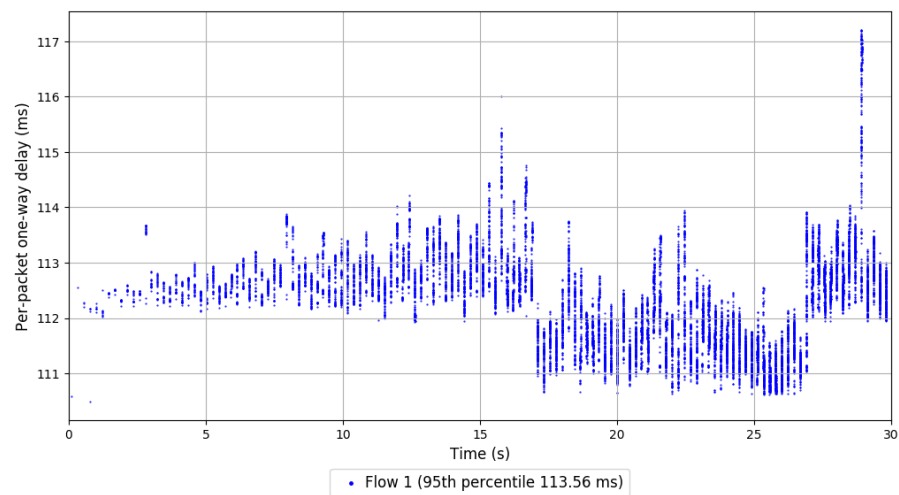
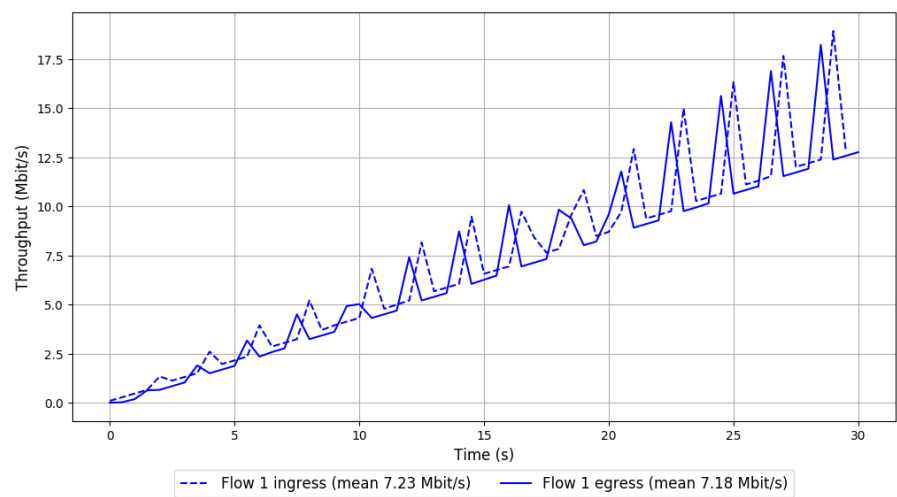


Run 2: Statistics of LEDBAT

Start at: 2018-07-10 08:14:26
End at: 2018-07-10 08:14:56
Local clock offset: 0.164 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-10 12:28:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 113.556 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 113.556 ms
Loss rate: 1.49%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-10 08:36:13

End at: 2018-07-10 08:36:43

Local clock offset: -0.063 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-10 12:28:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 112.092 ms

Loss rate: 1.49%

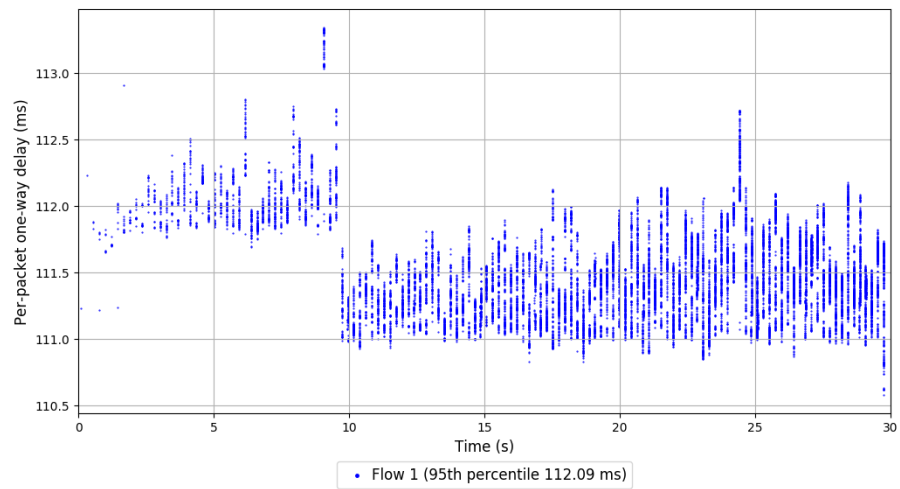
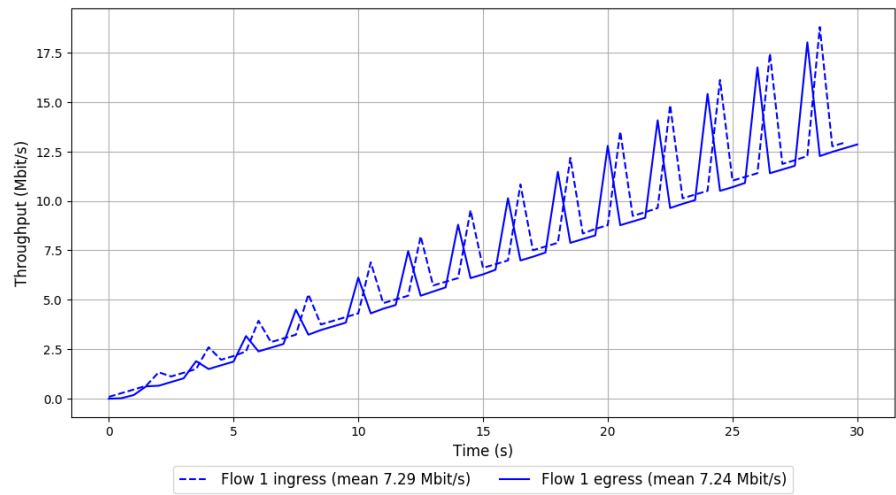
-- Flow 1:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 112.092 ms

Loss rate: 1.49%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-10 08:58:53

End at: 2018-07-10 08:59:23

Local clock offset: -0.083 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-10 12:28:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.52 Mbit/s

95th percentile per-packet one-way delay: 112.745 ms

Loss rate: 1.70%

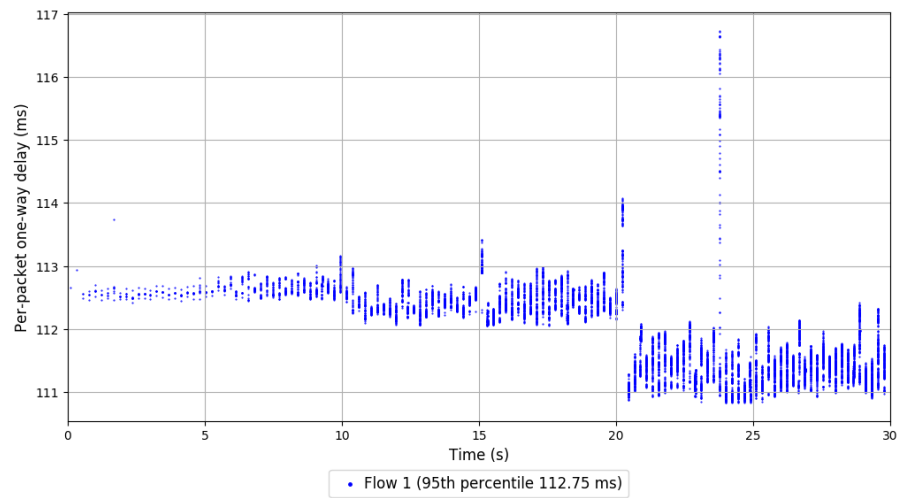
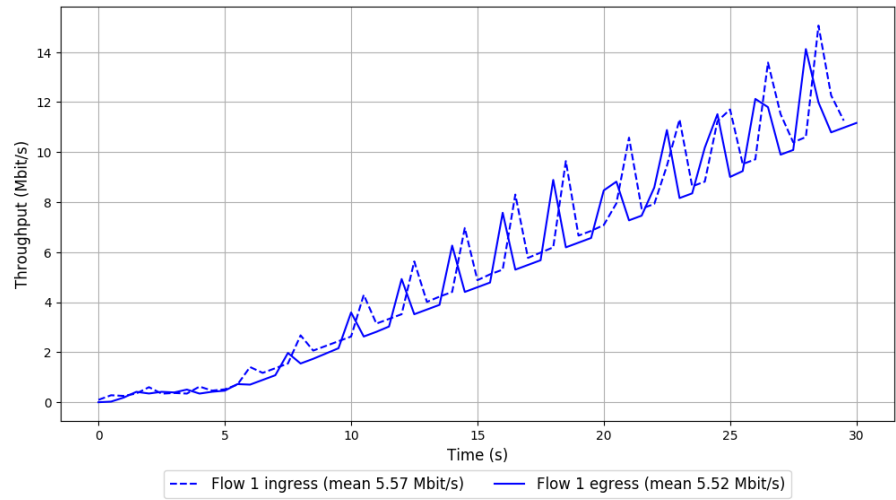
-- Flow 1:

Average throughput: 5.52 Mbit/s

95th percentile per-packet one-way delay: 112.745 ms

Loss rate: 1.70%

Run 4: Report of LEDBAT — Data Link

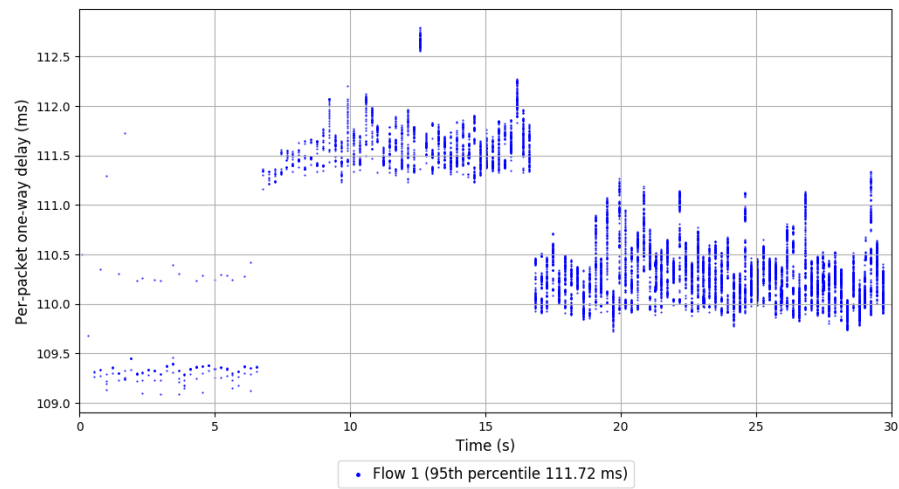
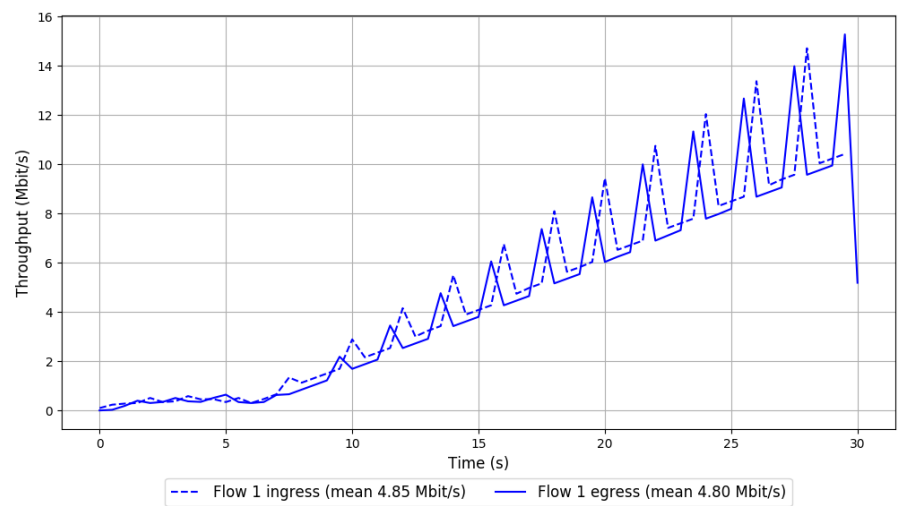


Run 5: Statistics of LEDBAT

Start at: 2018-07-10 09:21:36
End at: 2018-07-10 09:22:06
Local clock offset: -1.277 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-10 12:28:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 111.721 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 111.721 ms
Loss rate: 1.81%

Run 5: Report of LEDBAT — Data Link

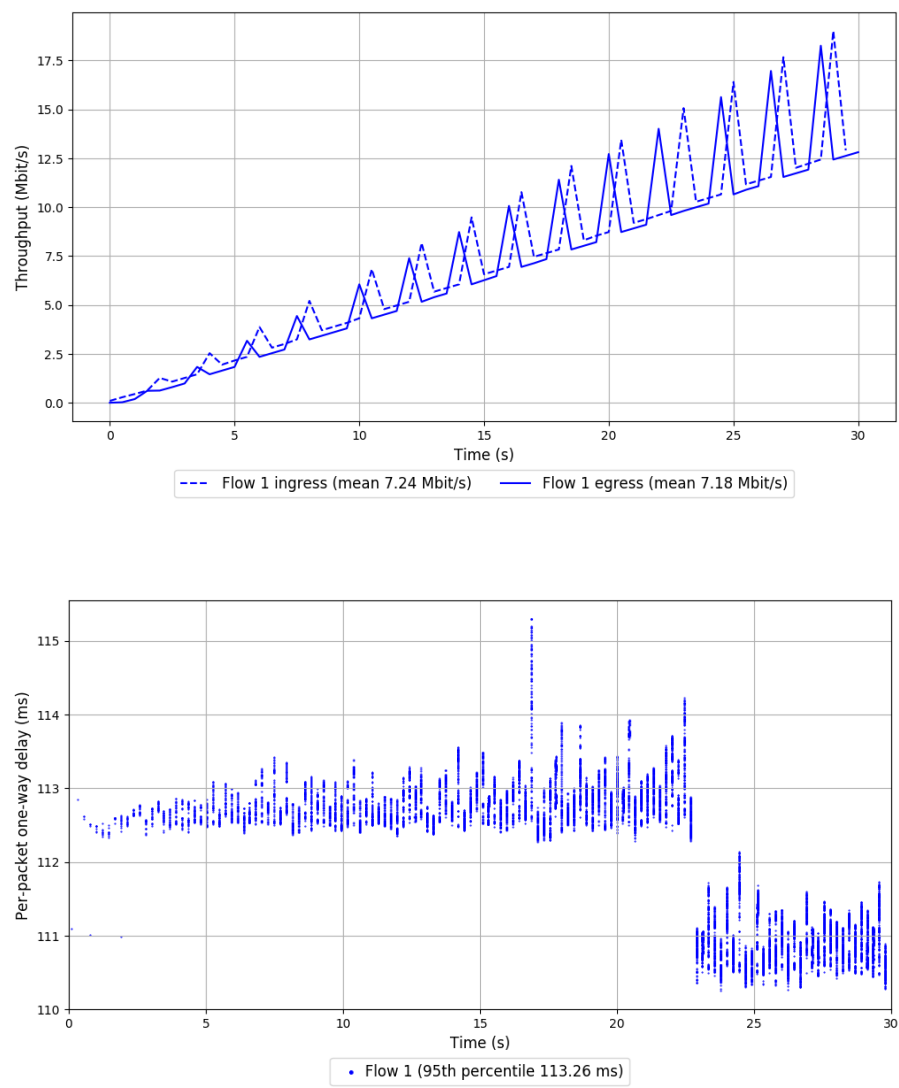


Run 6: Statistics of LEDBAT

Start at: 2018-07-10 09:43:56
End at: 2018-07-10 09:44:26
Local clock offset: -0.163 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-10 12:28:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 113.264 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 113.264 ms
Loss rate: 1.50%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-10 10:06:49

End at: 2018-07-10 10:07:19

Local clock offset: -0.205 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-07-10 12:28:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 111.191 ms

Loss rate: 1.70%

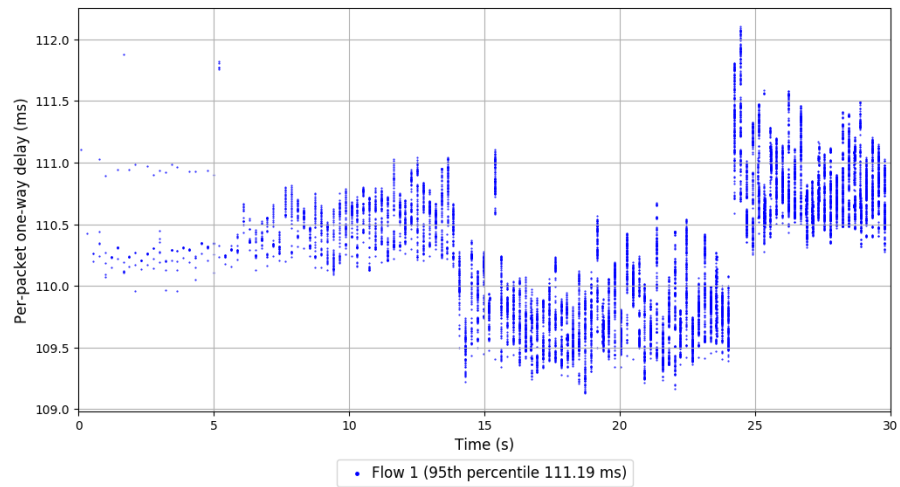
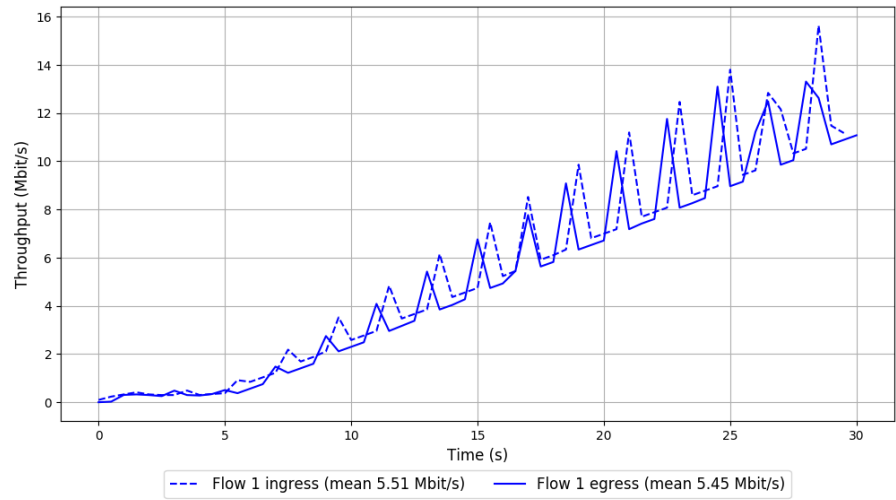
-- Flow 1:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 111.191 ms

Loss rate: 1.70%

Run 7: Report of LEDBAT — Data Link

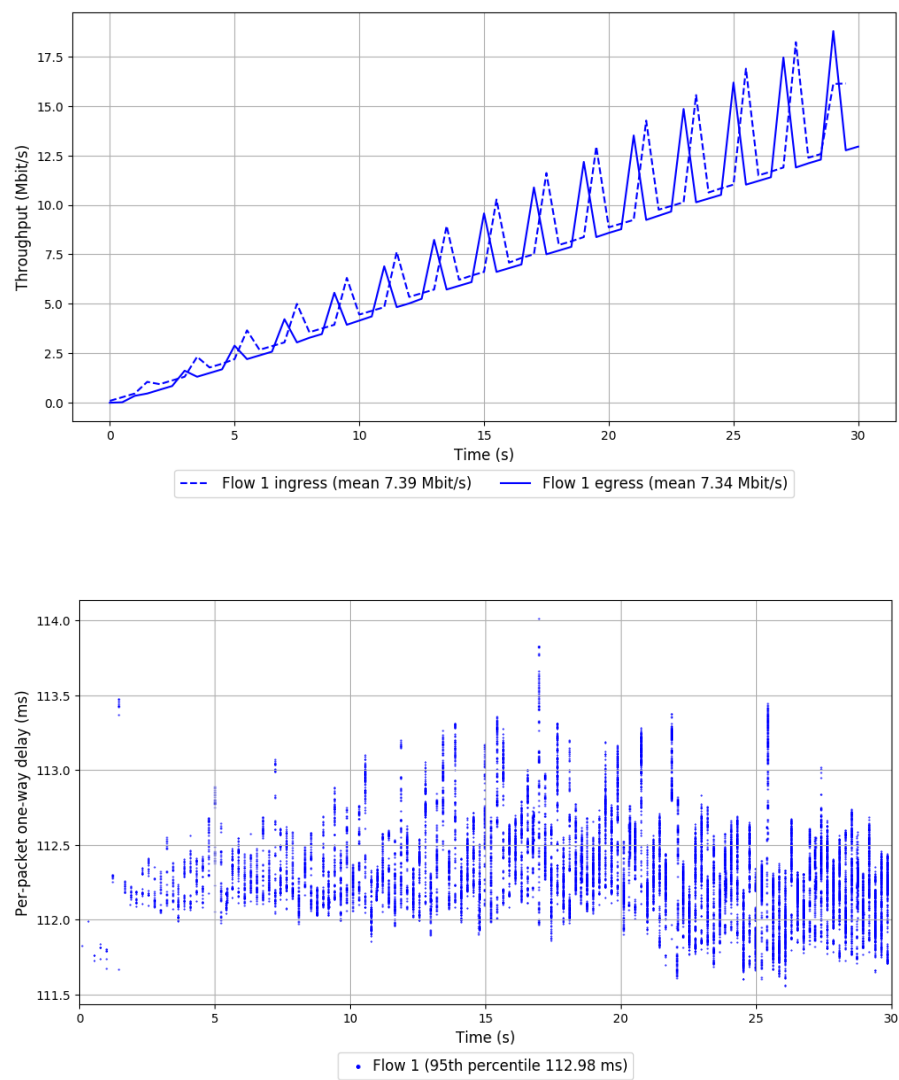


Run 8: Statistics of LEDBAT

Start at: 2018-07-10 10:29:22
End at: 2018-07-10 10:29:52
Local clock offset: 1.124 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-10 12:28:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 112.977 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 112.977 ms
Loss rate: 1.48%

Run 8: Report of LEDBAT — Data Link

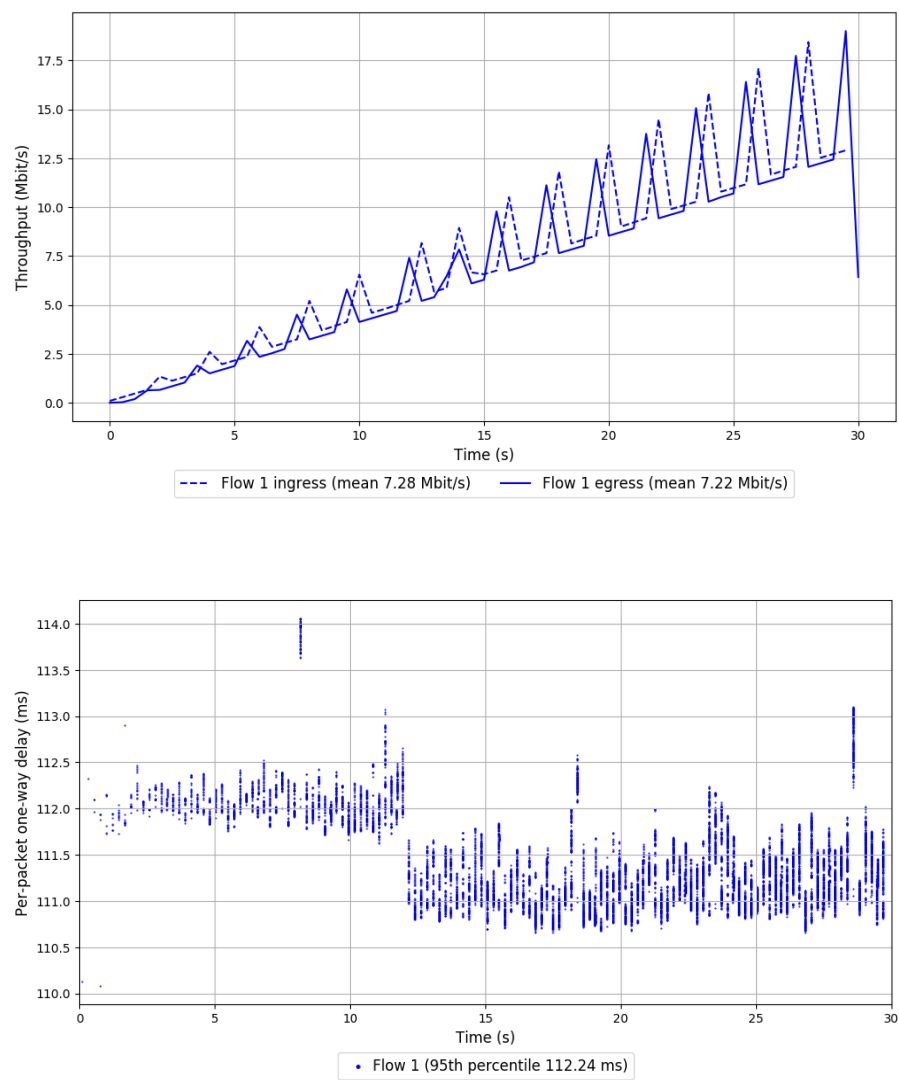


Run 9: Statistics of LEDBAT

Start at: 2018-07-10 10:52:01
End at: 2018-07-10 10:52:31
Local clock offset: -0.143 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-10 12:28:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 112.236 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 112.236 ms
Loss rate: 1.49%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-10 11:13:54

End at: 2018-07-10 11:14:24

Local clock offset: -1.381 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-10 12:28:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.35 Mbit/s

95th percentile per-packet one-way delay: 111.613 ms

Loss rate: 1.58%

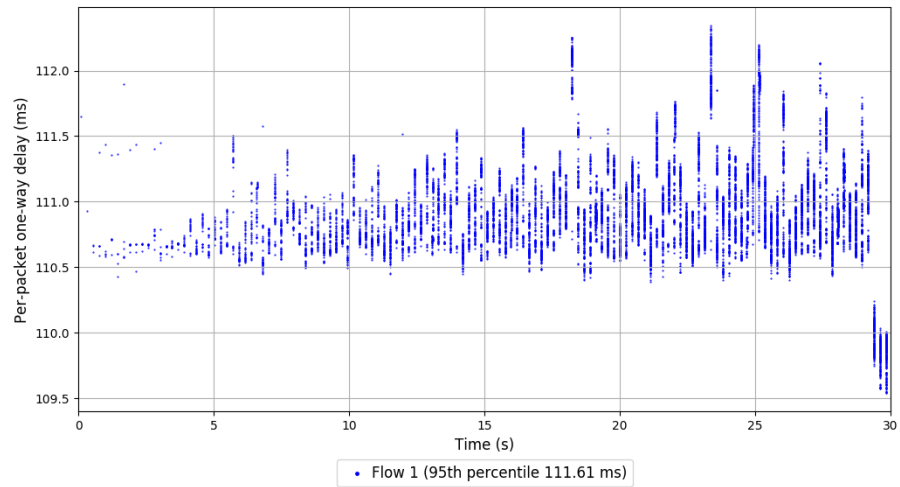
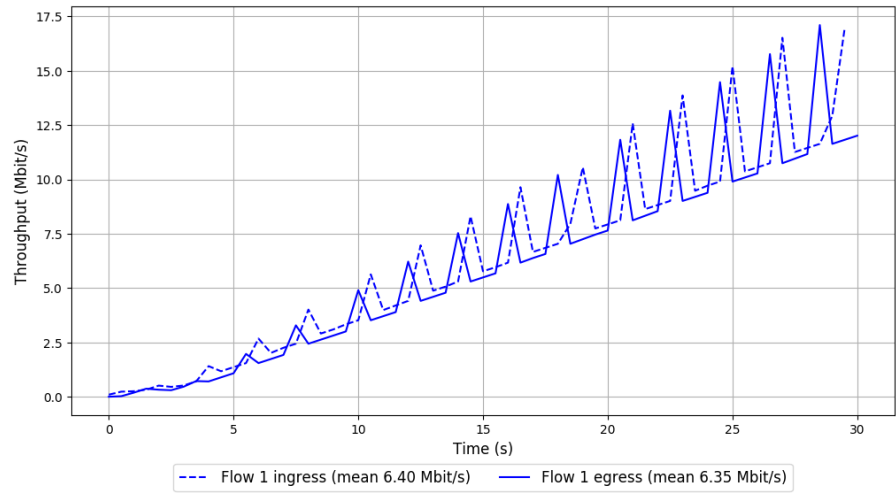
-- Flow 1:

Average throughput: 6.35 Mbit/s

95th percentile per-packet one-way delay: 111.613 ms

Loss rate: 1.58%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 08:05:05

End at: 2018-07-10 08:05:35

Local clock offset: 0.203 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-10 12:34:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.61 Mbit/s

95th percentile per-packet one-way delay: 182.742 ms

Loss rate: 2.08%

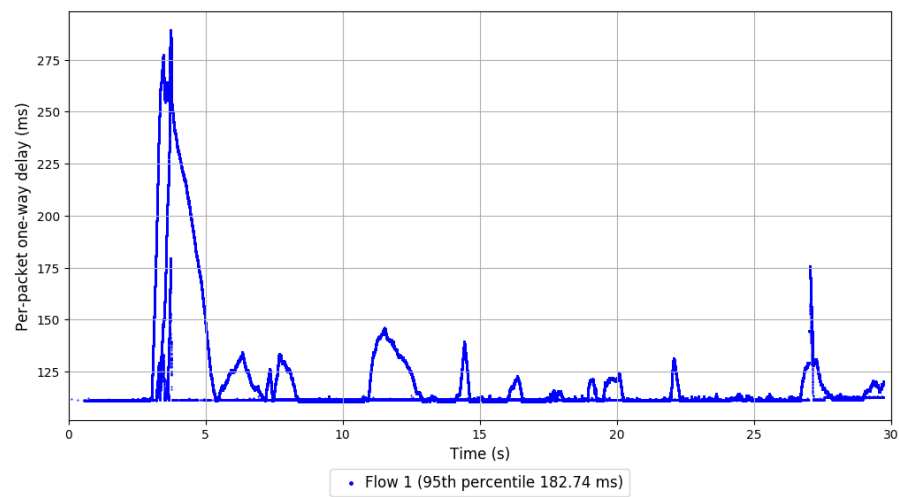
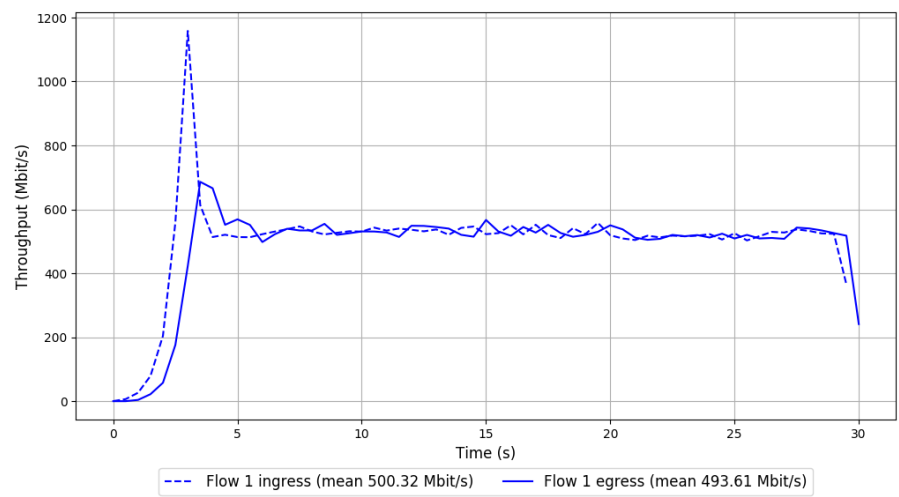
-- Flow 1:

Average throughput: 493.61 Mbit/s

95th percentile per-packet one-way delay: 182.742 ms

Loss rate: 2.08%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 08:27:01

End at: 2018-07-10 08:27:31

Local clock offset: -0.16 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-10 12:34:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.72 Mbit/s

95th percentile per-packet one-way delay: 138.168 ms

Loss rate: 1.53%

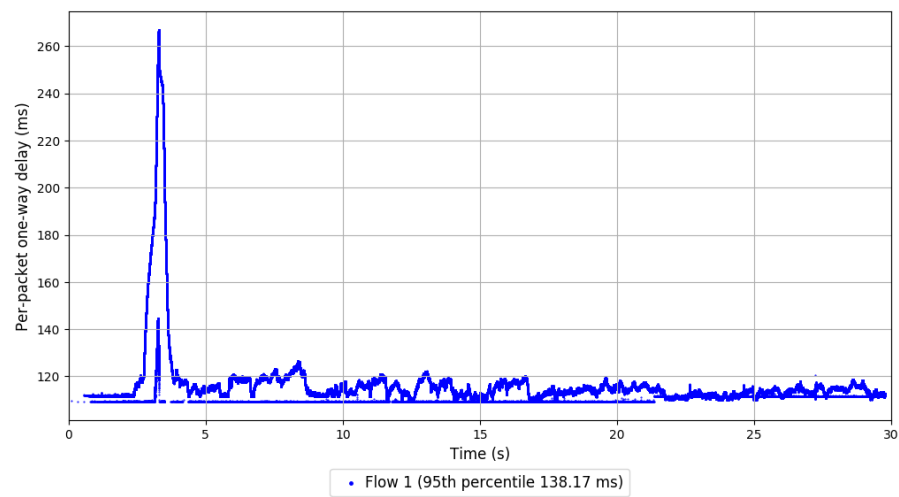
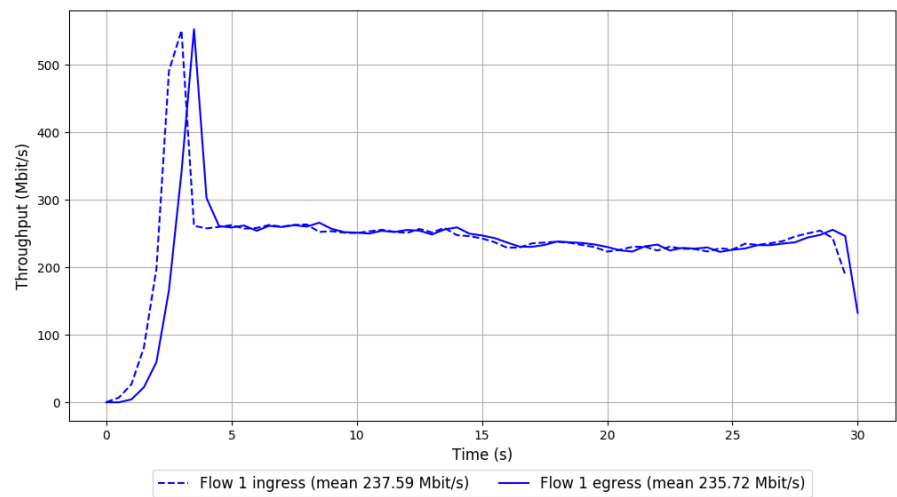
-- Flow 1:

Average throughput: 235.72 Mbit/s

95th percentile per-packet one-way delay: 138.168 ms

Loss rate: 1.53%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 08:49:49

End at: 2018-07-10 08:50:19

Local clock offset: -0.028 ms

Remote clock offset: 0.326 ms

Below is generated by plot.py at 2018-07-10 12:34:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 472.88 Mbit/s

95th percentile per-packet one-way delay: 175.804 ms

Loss rate: 1.93%

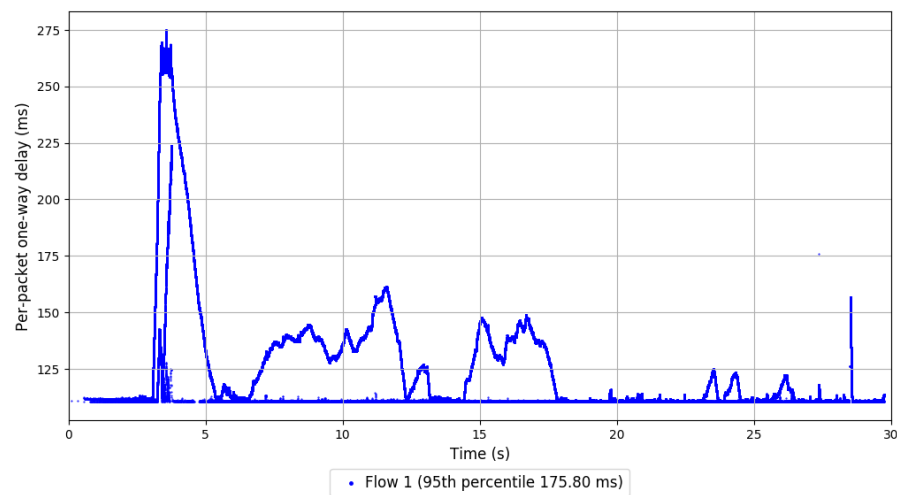
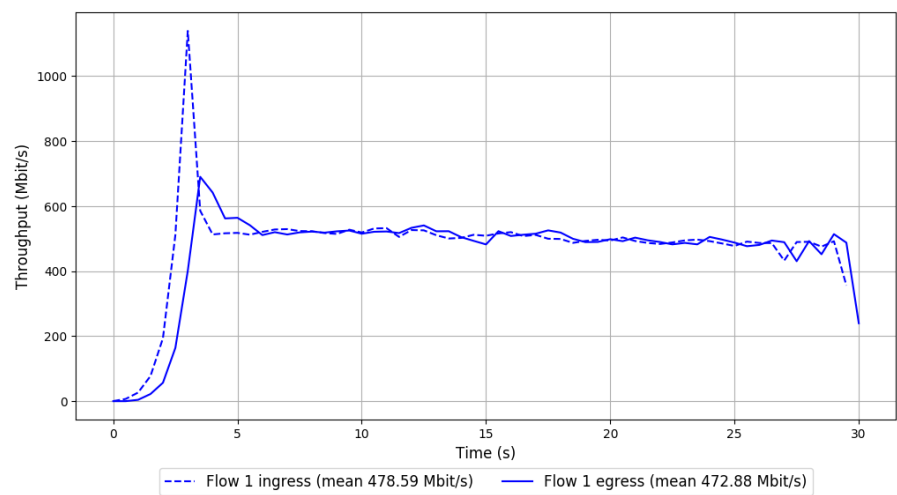
-- Flow 1:

Average throughput: 472.88 Mbit/s

95th percentile per-packet one-way delay: 175.804 ms

Loss rate: 1.93%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 09:12:16

End at: 2018-07-10 09:12:46

Local clock offset: 0.307 ms

Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-07-10 12:34:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.89 Mbit/s

95th percentile per-packet one-way delay: 186.860 ms

Loss rate: 1.85%

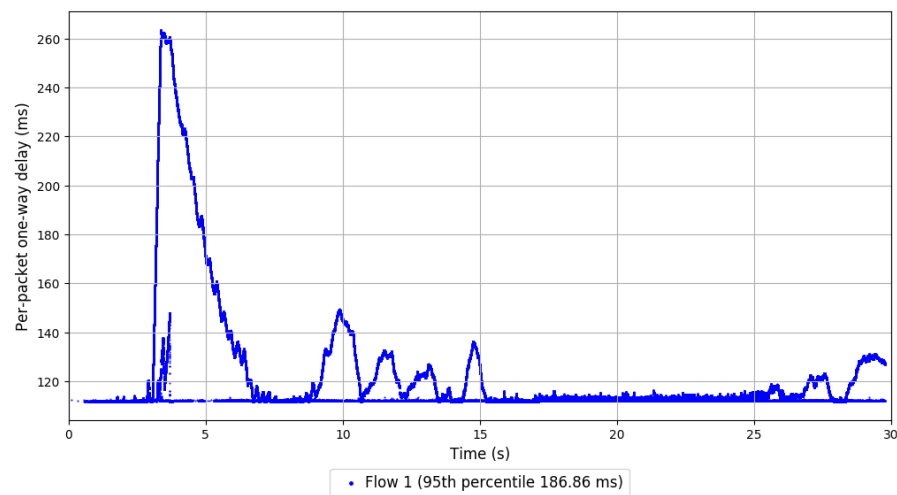
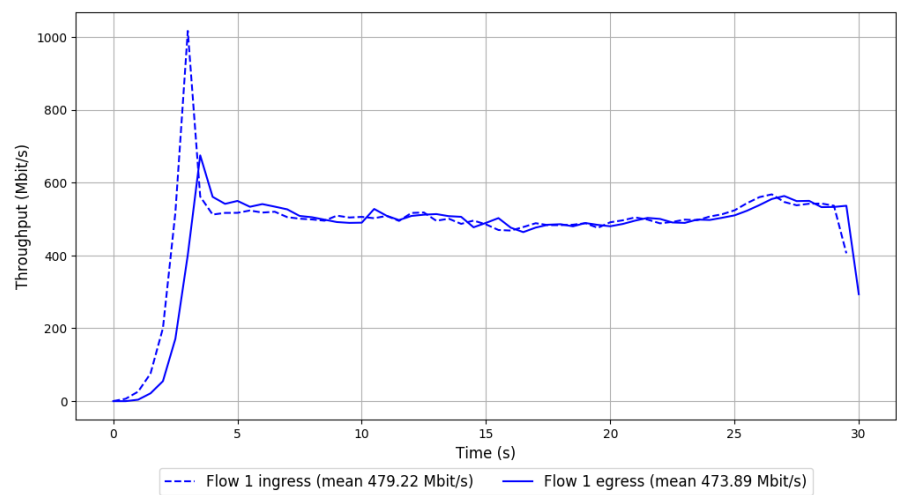
-- Flow 1:

Average throughput: 473.89 Mbit/s

95th percentile per-packet one-way delay: 186.860 ms

Loss rate: 1.85%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 09:34:46

End at: 2018-07-10 09:35:16

Local clock offset: -1.363 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-10 12:35:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.36 Mbit/s

95th percentile per-packet one-way delay: 174.412 ms

Loss rate: 1.96%

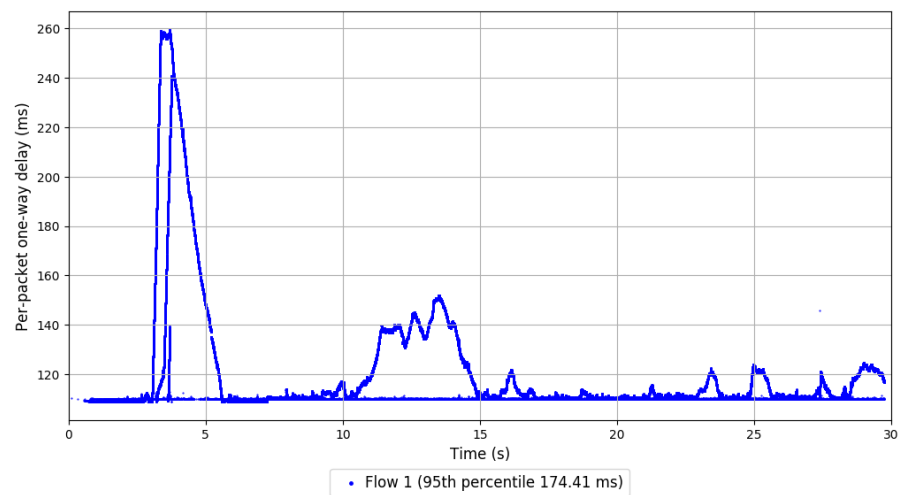
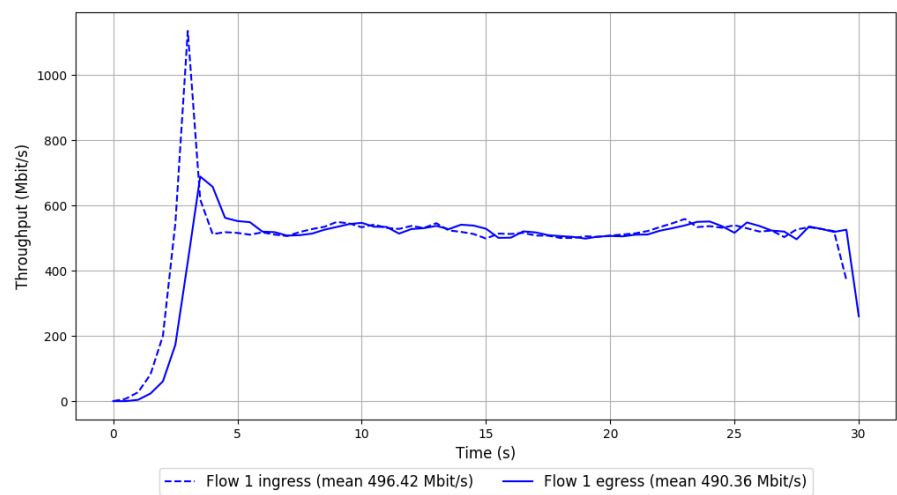
-- Flow 1:

Average throughput: 490.36 Mbit/s

95th percentile per-packet one-way delay: 174.412 ms

Loss rate: 1.96%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 09:57:28

End at: 2018-07-10 09:57:58

Local clock offset: -0.199 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-07-10 12:35:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.38 Mbit/s

95th percentile per-packet one-way delay: 195.676 ms

Loss rate: 2.46%

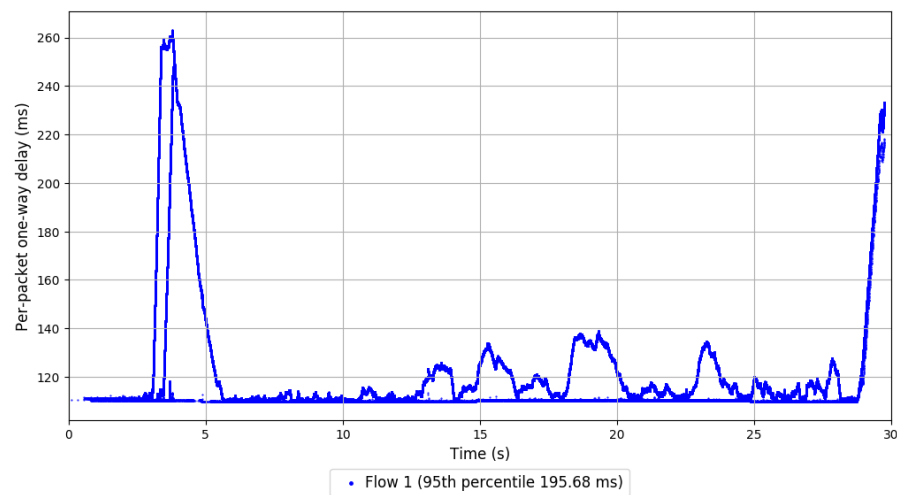
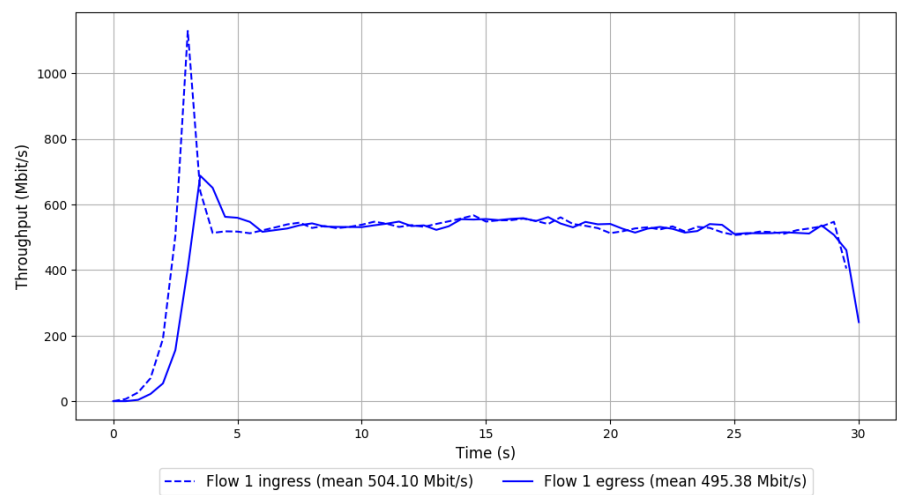
-- Flow 1:

Average throughput: 495.38 Mbit/s

95th percentile per-packet one-way delay: 195.676 ms

Loss rate: 2.46%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 10:20:30

End at: 2018-07-10 10:21:00

Local clock offset: -0.138 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-10 12:35:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 477.45 Mbit/s

95th percentile per-packet one-way delay: 217.578 ms

Loss rate: 1.89%

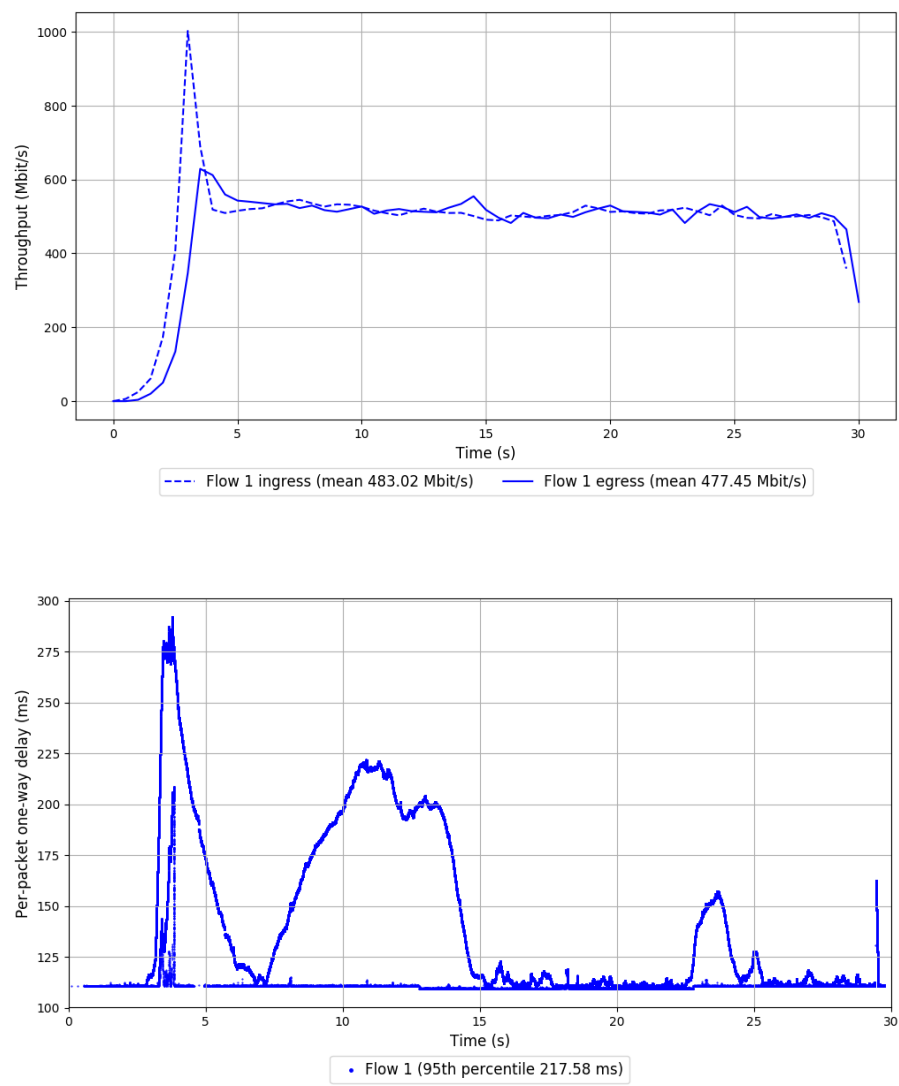
-- Flow 1:

Average throughput: 477.45 Mbit/s

95th percentile per-packet one-way delay: 217.578 ms

Loss rate: 1.89%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 10:42:52

End at: 2018-07-10 10:43:22

Local clock offset: -0.303 ms

Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-10 12:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 445.80 Mbit/s

95th percentile per-packet one-way delay: 213.891 ms

Loss rate: 1.84%

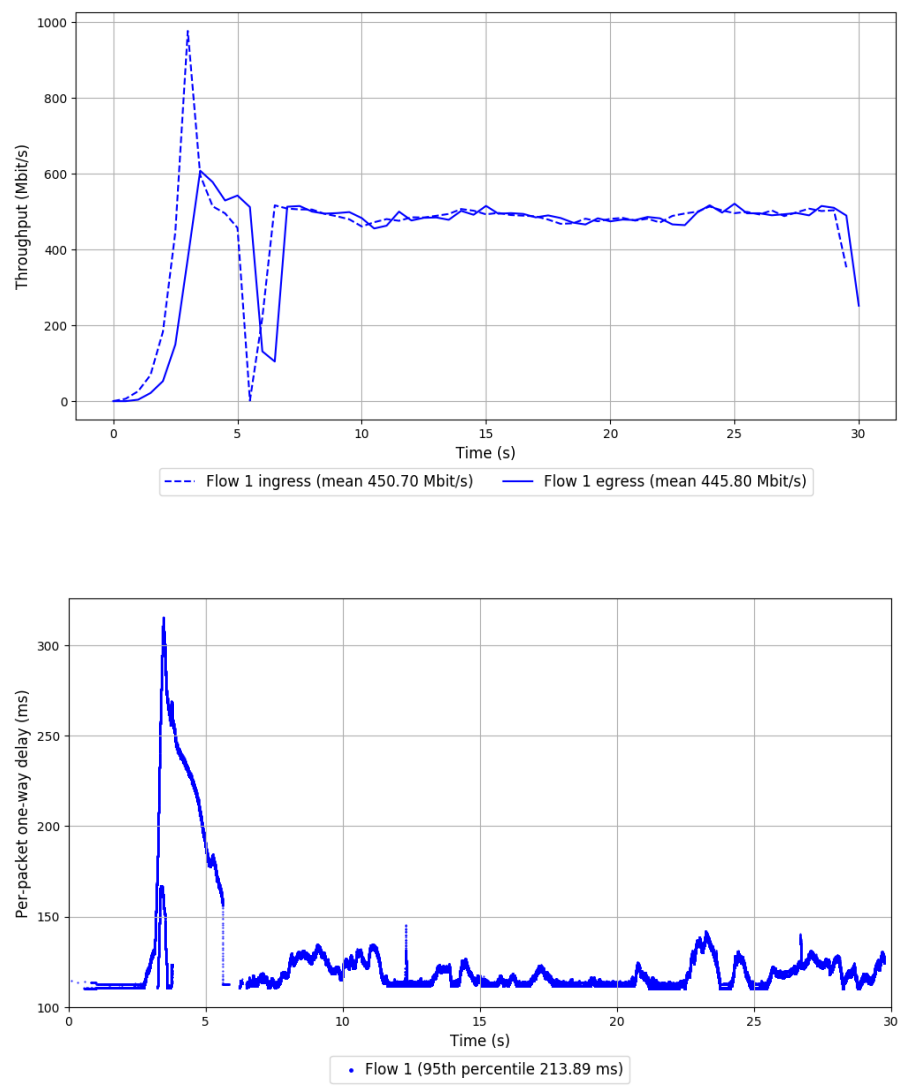
-- Flow 1:

Average throughput: 445.80 Mbit/s

95th percentile per-packet one-way delay: 213.891 ms

Loss rate: 1.84%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 11:05:08

End at: 2018-07-10 11:05:38

Local clock offset: 0.027 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-10 12:36:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.15 Mbit/s

95th percentile per-packet one-way delay: 135.177 ms

Loss rate: 1.25%

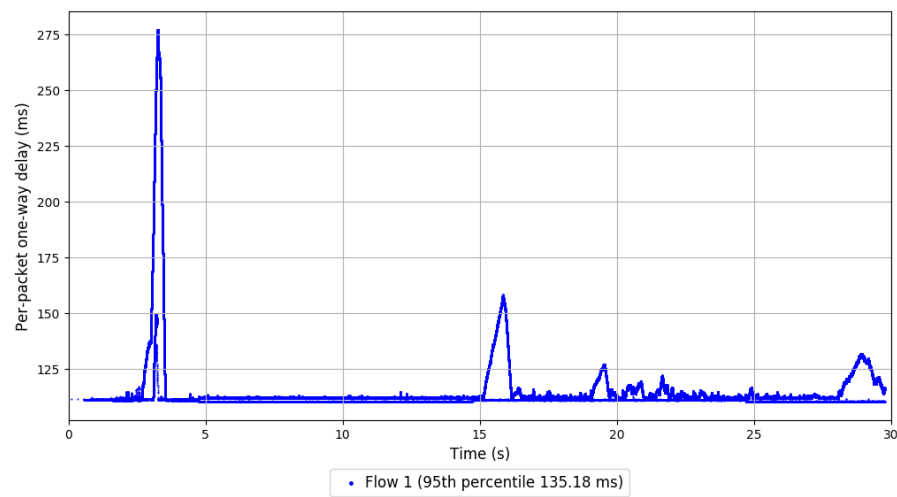
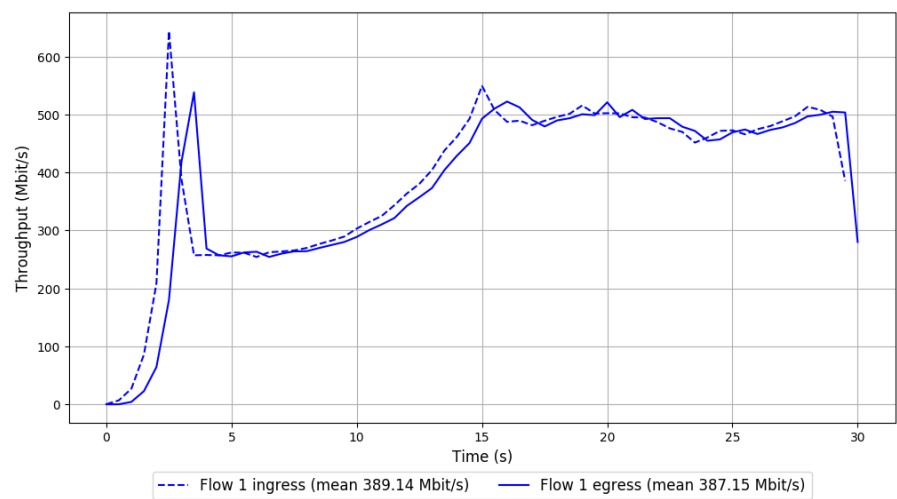
-- Flow 1:

Average throughput: 387.15 Mbit/s

95th percentile per-packet one-way delay: 135.177 ms

Loss rate: 1.25%

Run 9: Report of PCC-Allegro — Data Link

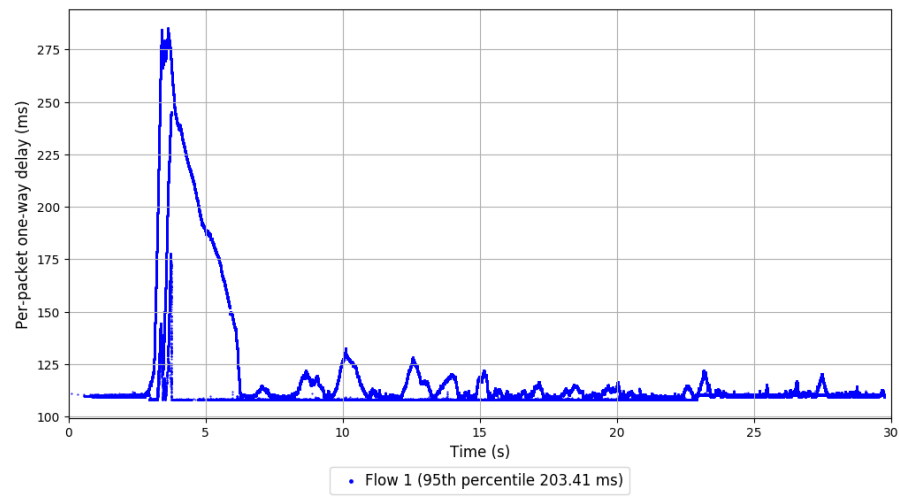
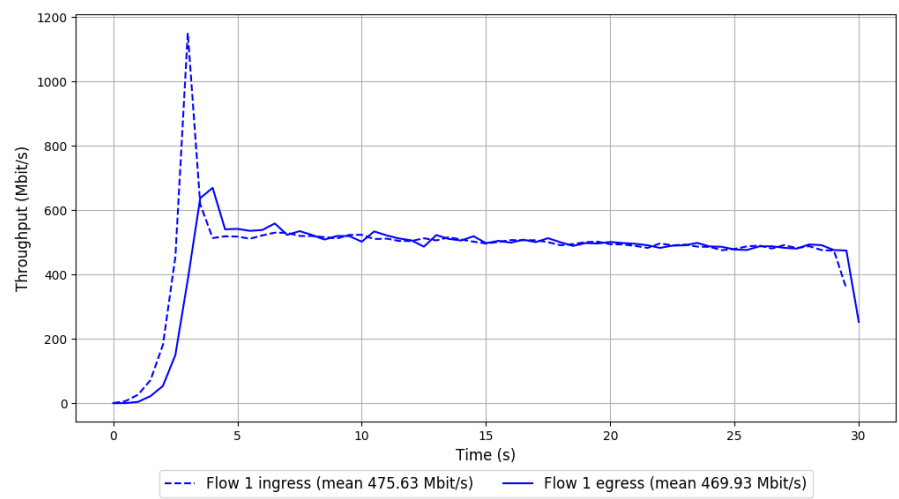


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 11:27:20
End at: 2018-07-10 11:27:50
Local clock offset: -1.286 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-10 12:40:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.93 Mbit/s
95th percentile per-packet one-way delay: 203.412 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 469.93 Mbit/s
95th percentile per-packet one-way delay: 203.412 ms
Loss rate: 1.94%

Run 10: Report of PCC-Allegro — Data Link

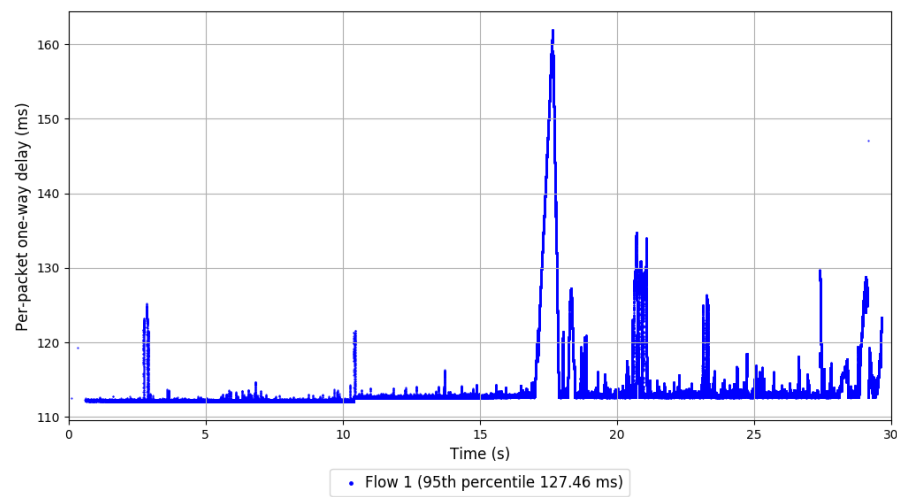
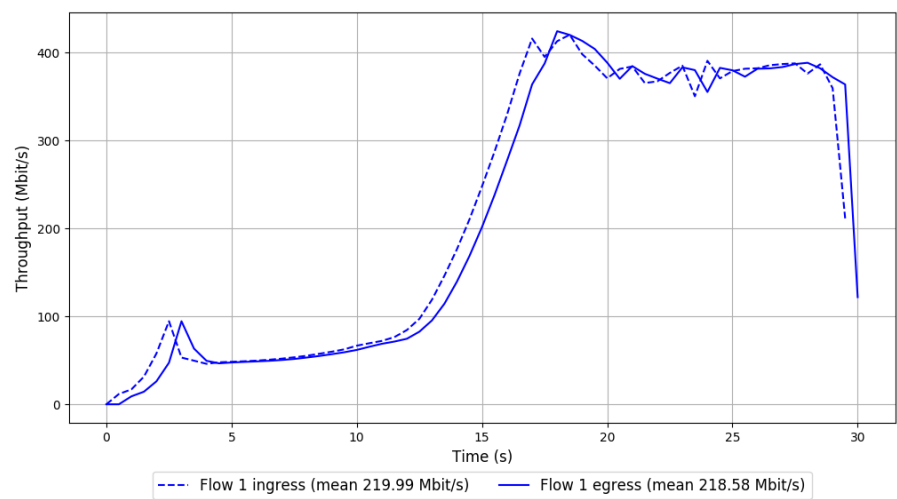


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 07:52:52
End at: 2018-07-10 07:53:22
Local clock offset: 1.233 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-07-10 12:40:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.58 Mbit/s
95th percentile per-packet one-way delay: 127.457 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 218.58 Mbit/s
95th percentile per-packet one-way delay: 127.457 ms
Loss rate: 1.38%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 08:15:35

End at: 2018-07-10 08:16:05

Local clock offset: 0.12 ms

Remote clock offset: 0.355 ms

Below is generated by plot.py at 2018-07-10 12:40:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.31 Mbit/s

95th percentile per-packet one-way delay: 111.973 ms

Loss rate: 0.88%

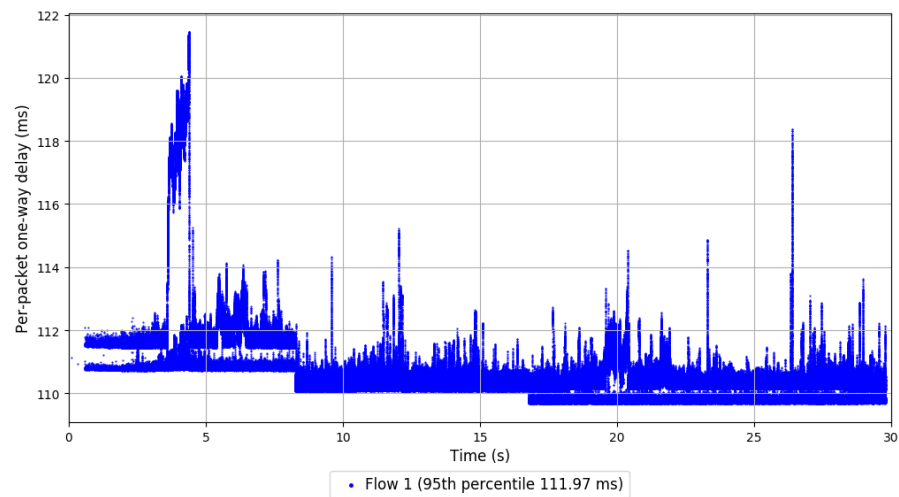
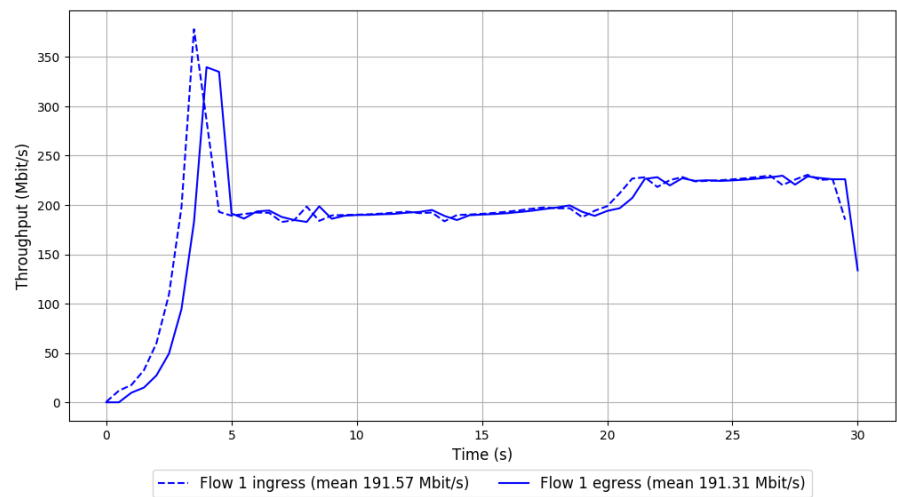
-- Flow 1:

Average throughput: 191.31 Mbit/s

95th percentile per-packet one-way delay: 111.973 ms

Loss rate: 0.88%

Run 2: Report of PCC-Expr — Data Link

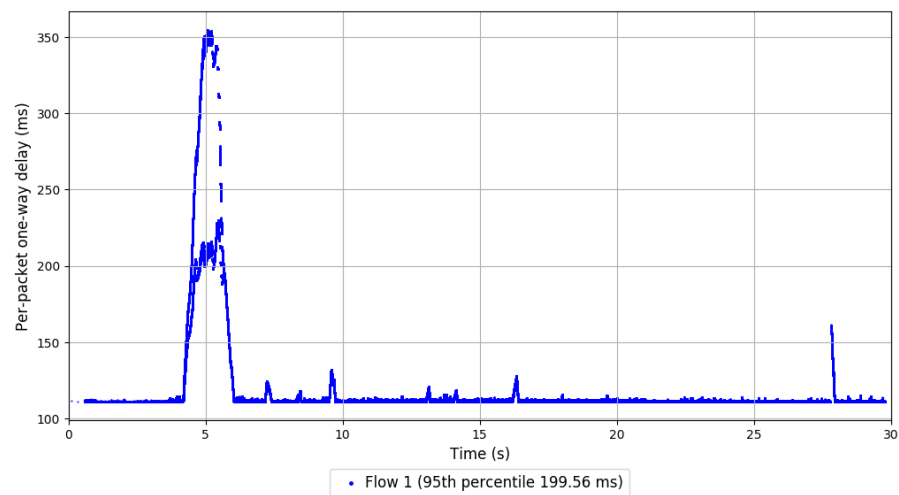
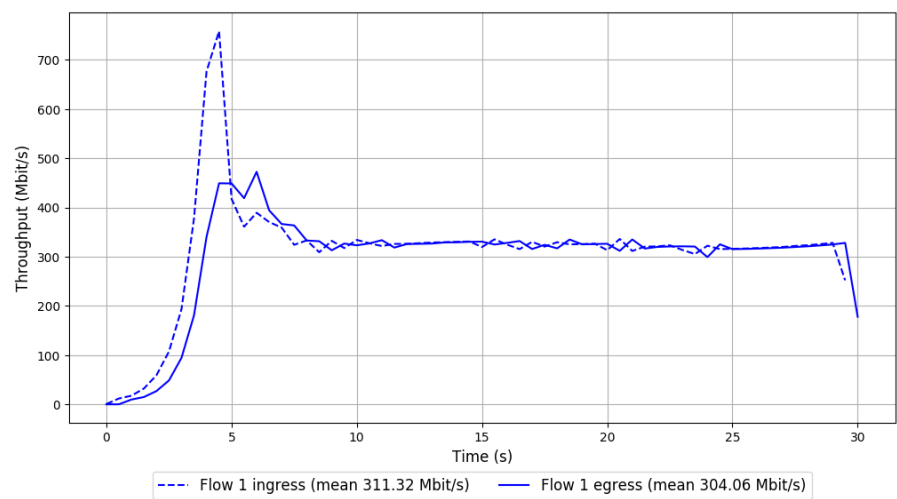


Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 08:37:22
End at: 2018-07-10 08:37:52
Local clock offset: -0.116 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-10 12:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.06 Mbit/s
95th percentile per-packet one-way delay: 199.558 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 304.06 Mbit/s
95th percentile per-packet one-way delay: 199.558 ms
Loss rate: 3.06%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 09:00:01

End at: 2018-07-10 09:00:31

Local clock offset: -1.251 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-07-10 12:44:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.86 Mbit/s

95th percentile per-packet one-way delay: 116.084 ms

Loss rate: 0.87%

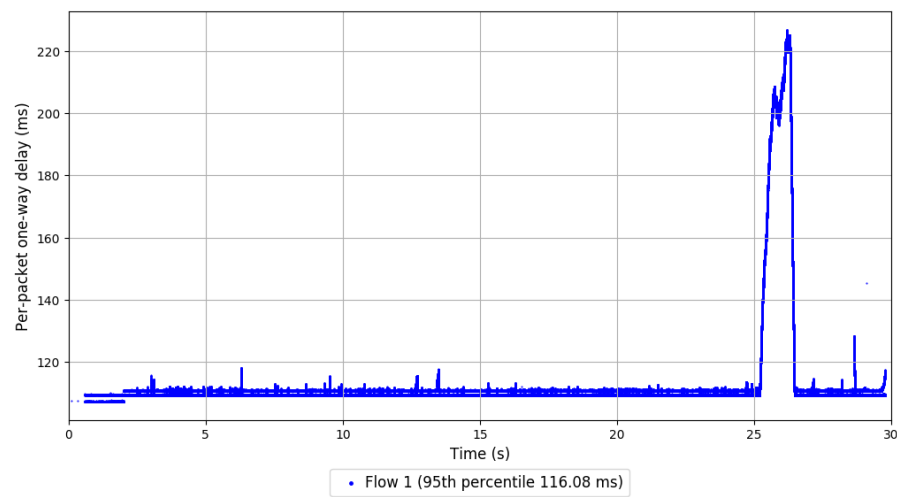
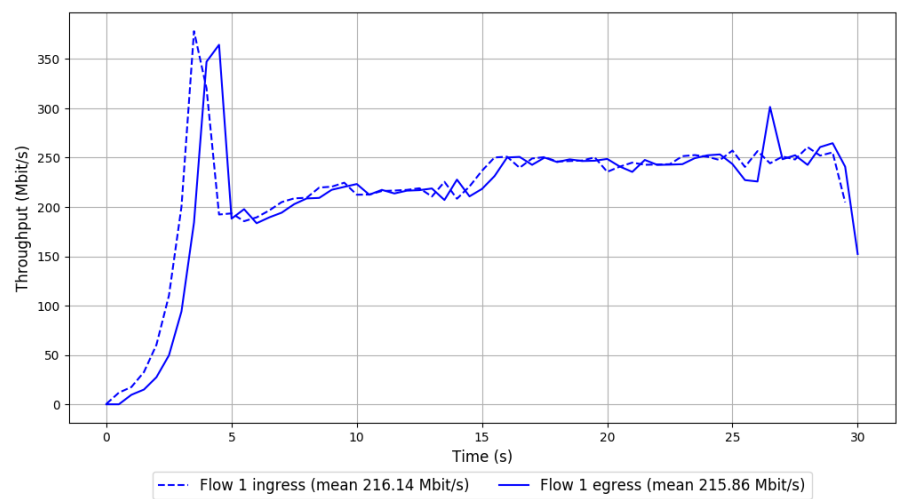
-- Flow 1:

Average throughput: 215.86 Mbit/s

95th percentile per-packet one-way delay: 116.084 ms

Loss rate: 0.87%

Run 4: Report of PCC-Expr — Data Link

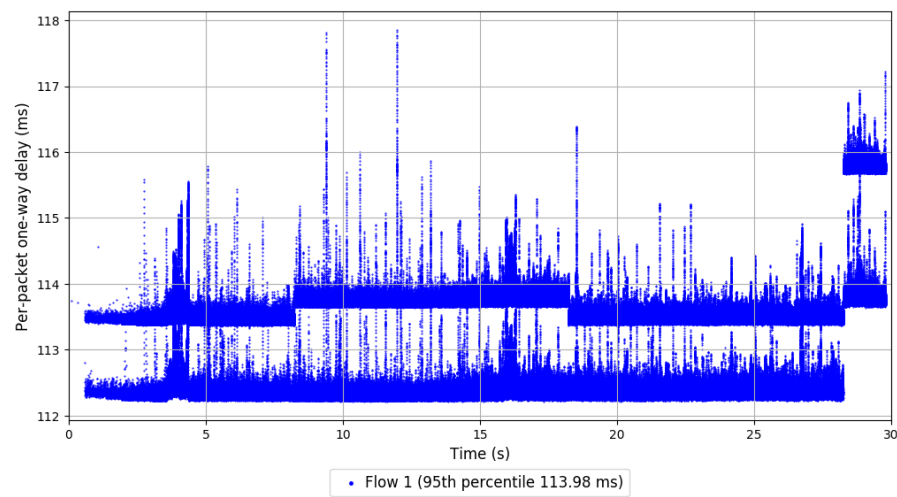
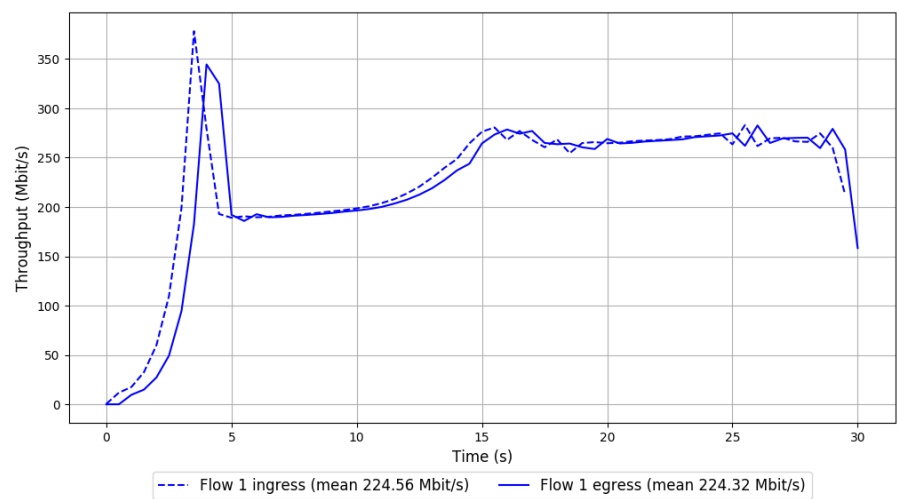


Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 09:22:45
End at: 2018-07-10 09:23:15
Local clock offset: 1.263 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-10 12:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.32 Mbit/s
95th percentile per-packet one-way delay: 113.977 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 224.32 Mbit/s
95th percentile per-packet one-way delay: 113.977 ms
Loss rate: 0.85%

Run 5: Report of PCC-Expr — Data Link

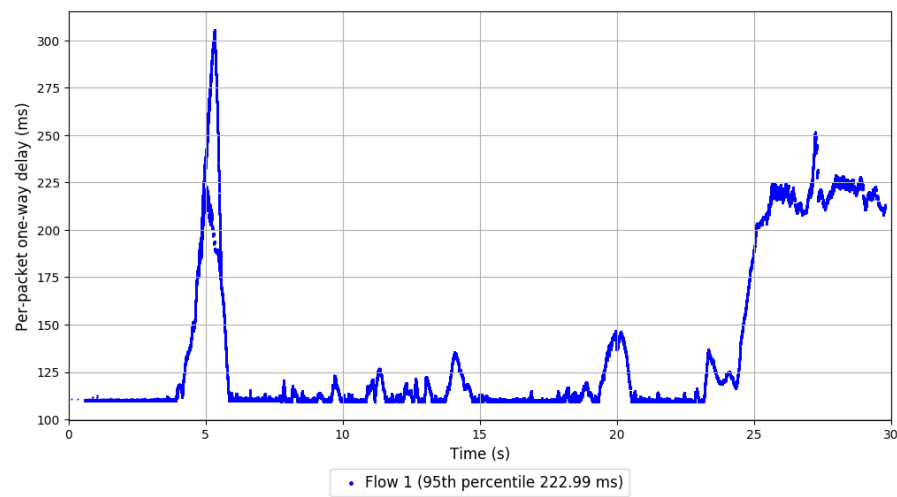
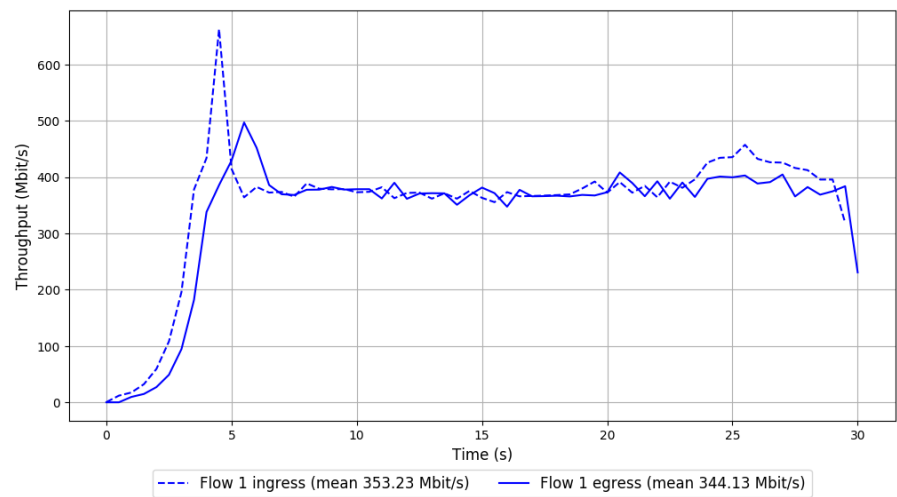


Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 09:45:05
End at: 2018-07-10 09:45:35
Local clock offset: -1.467 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-07-10 12:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.13 Mbit/s
95th percentile per-packet one-way delay: 222.991 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 344.13 Mbit/s
95th percentile per-packet one-way delay: 222.991 ms
Loss rate: 3.30%

Run 6: Report of PCC-Expr — Data Link

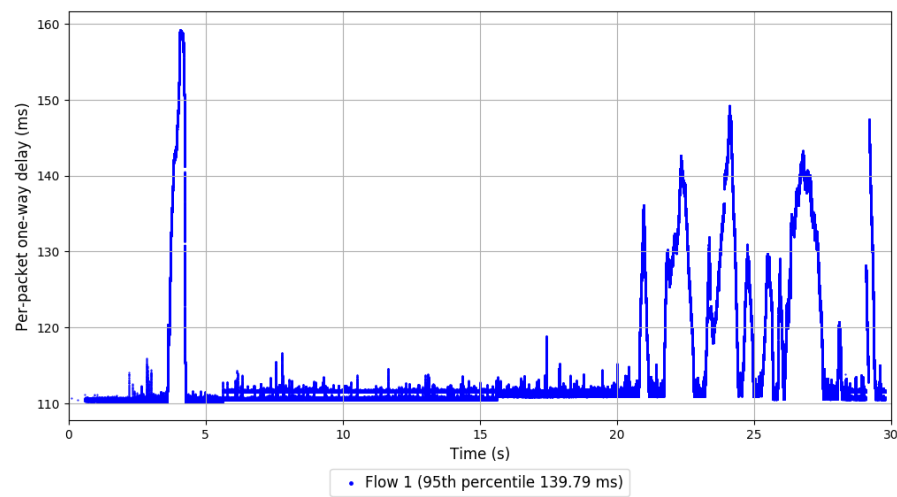
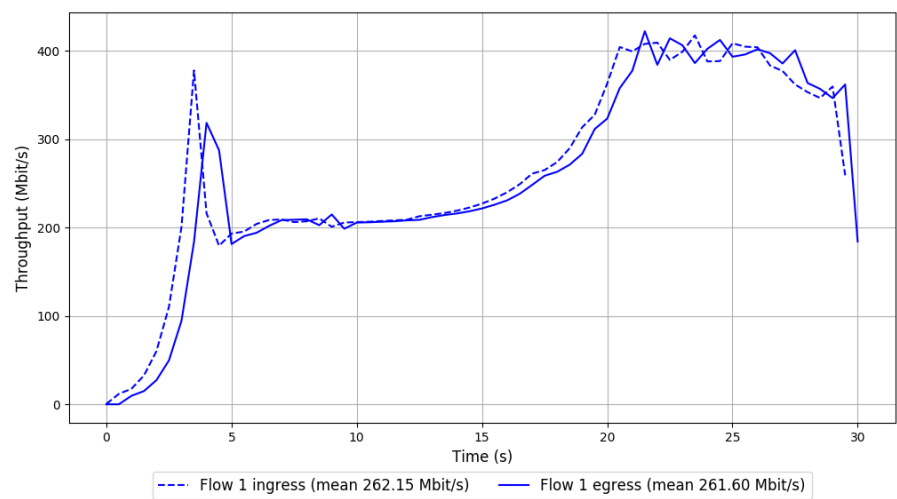


Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 10:07:57
End at: 2018-07-10 10:08:27
Local clock offset: 0.098 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-10 12:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.60 Mbit/s
95th percentile per-packet one-way delay: 139.791 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 261.60 Mbit/s
95th percentile per-packet one-way delay: 139.791 ms
Loss rate: 0.95%

Run 7: Report of PCC-Expr — Data Link

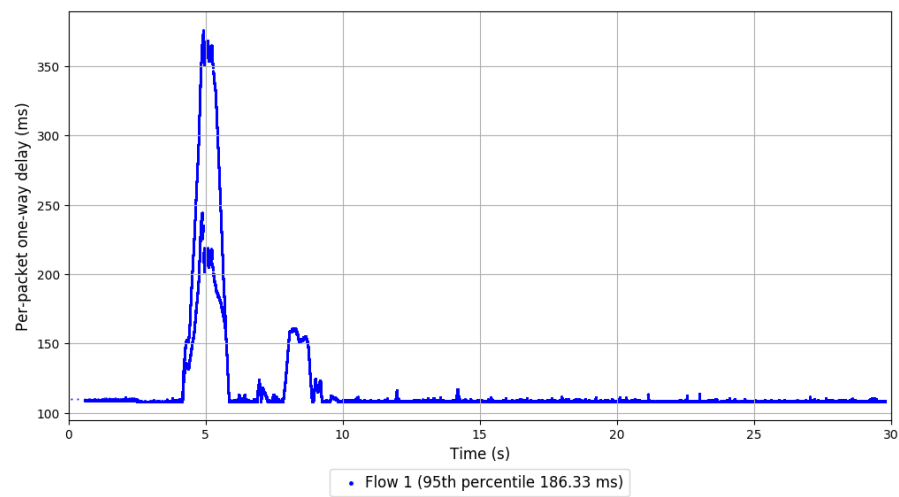
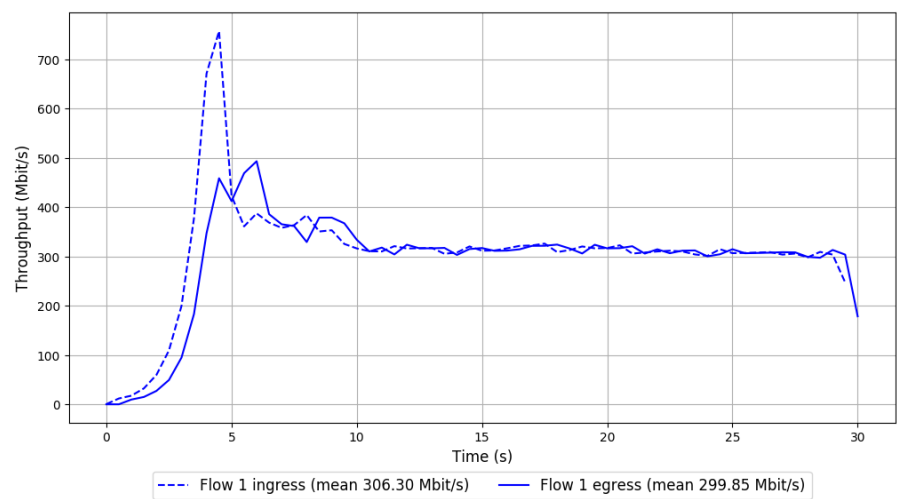


Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 10:30:30
End at: 2018-07-10 10:31:00
Local clock offset: -1.442 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-10 12:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 299.85 Mbit/s
95th percentile per-packet one-way delay: 186.332 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 299.85 Mbit/s
95th percentile per-packet one-way delay: 186.332 ms
Loss rate: 2.83%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 10:53:09

End at: 2018-07-10 10:53:39

Local clock offset: -0.254 ms

Remote clock offset: 0.347 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.85 Mbit/s

95th percentile per-packet one-way delay: 192.910 ms

Loss rate: 2.08%

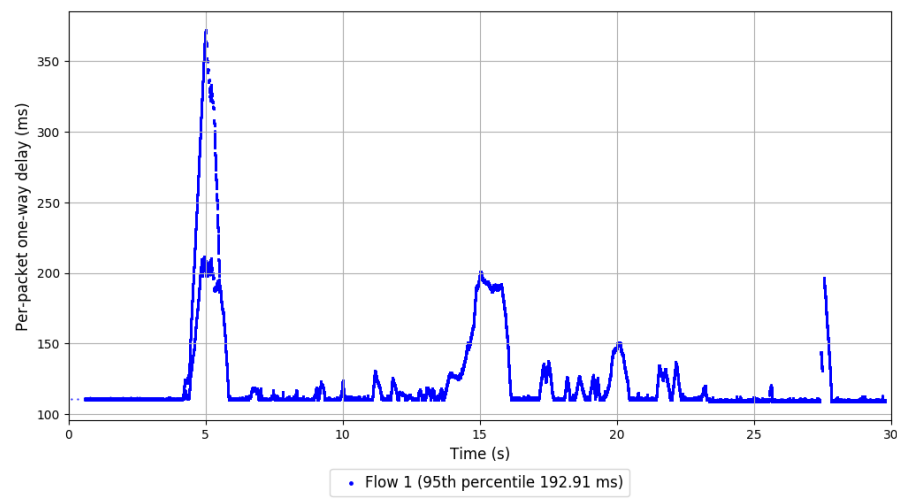
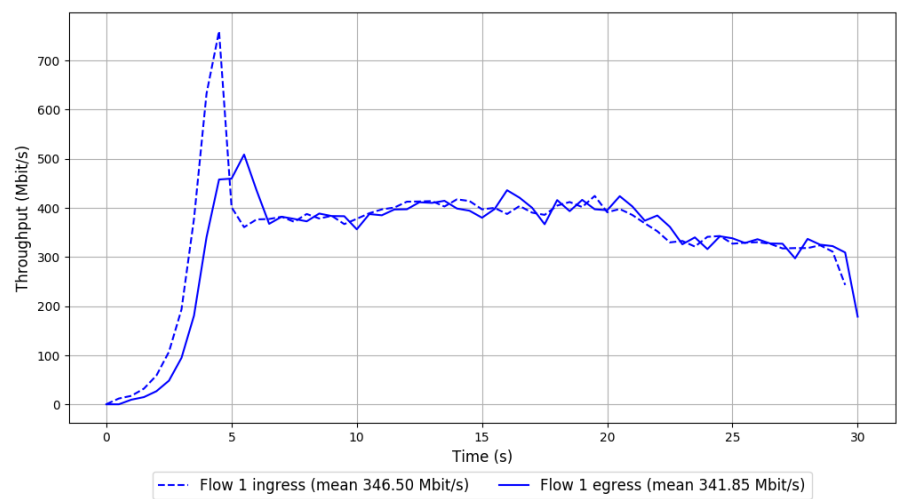
-- Flow 1:

Average throughput: 341.85 Mbit/s

95th percentile per-packet one-way delay: 192.910 ms

Loss rate: 2.08%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 11:15:02

End at: 2018-07-10 11:15:32

Local clock offset: 0.822 ms

Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.65 Mbit/s

95th percentile per-packet one-way delay: 233.893 ms

Loss rate: 2.35%

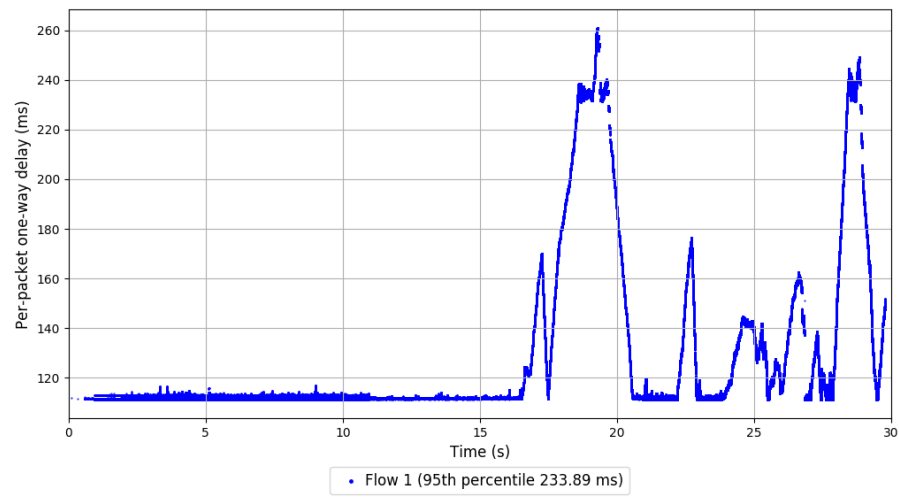
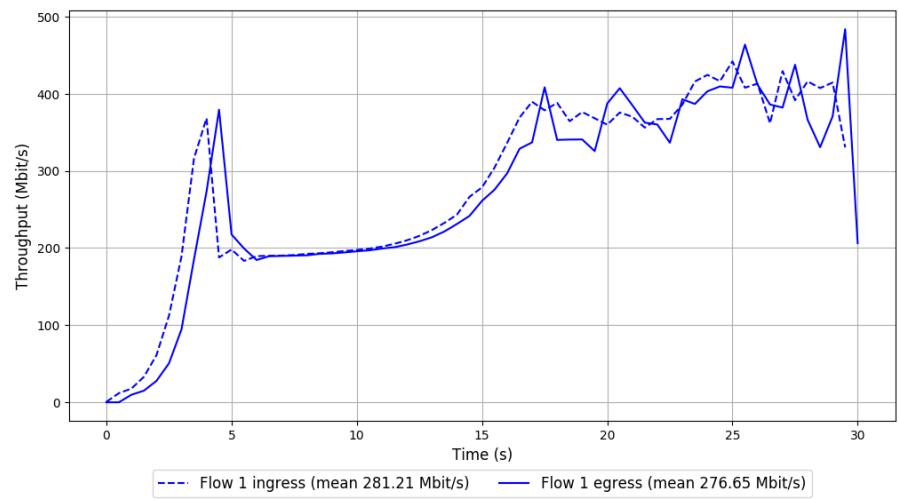
-- Flow 1:

Average throughput: 276.65 Mbit/s

95th percentile per-packet one-way delay: 233.893 ms

Loss rate: 2.35%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

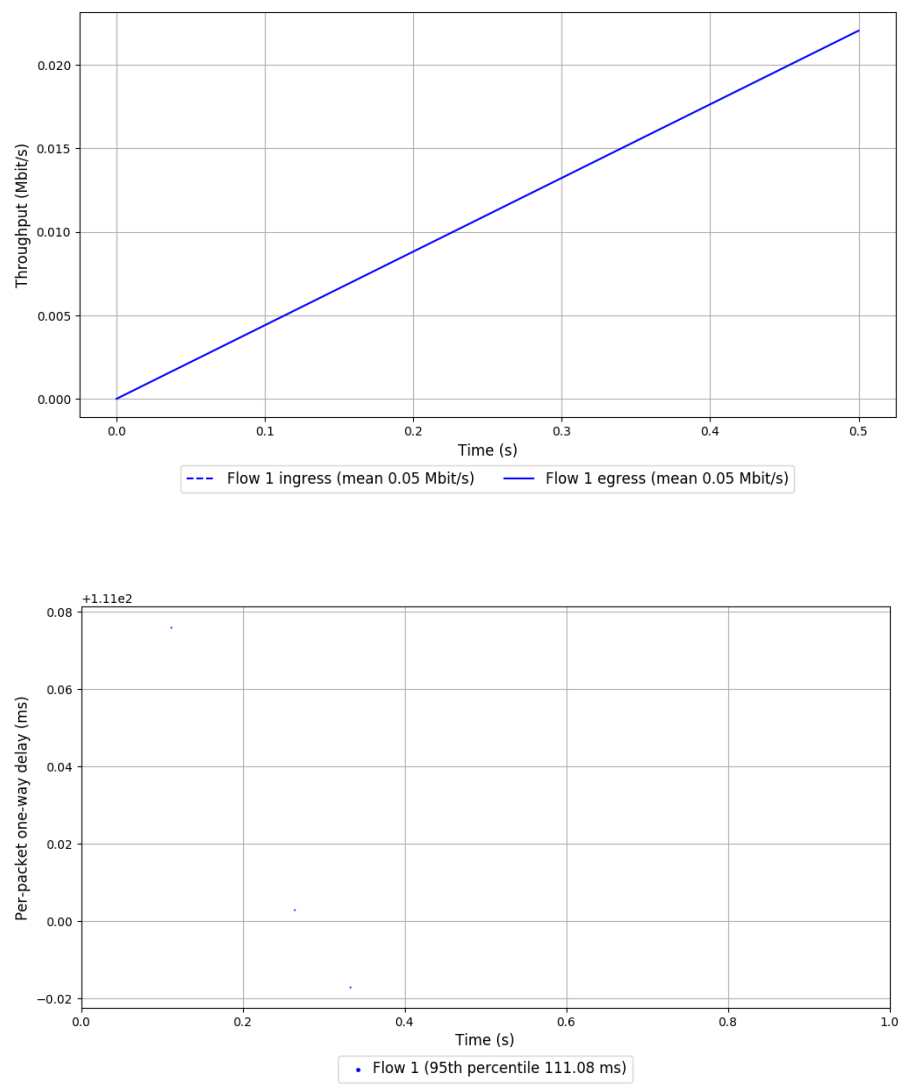
Start at: 2018-07-10 07:57:16

End at: 2018-07-10 07:57:46

Local clock offset: 0.025 ms

Remote clock offset: -0.061 ms

Run 1: Report of QUIC Cubic — Data Link

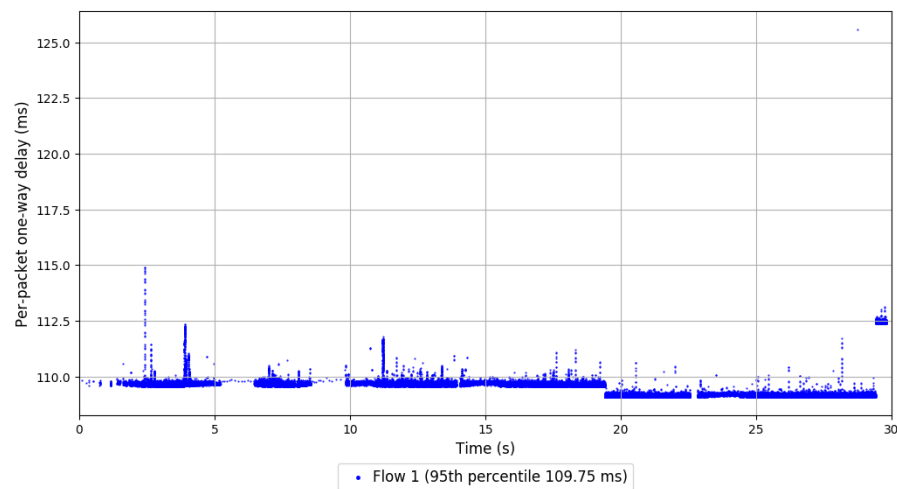
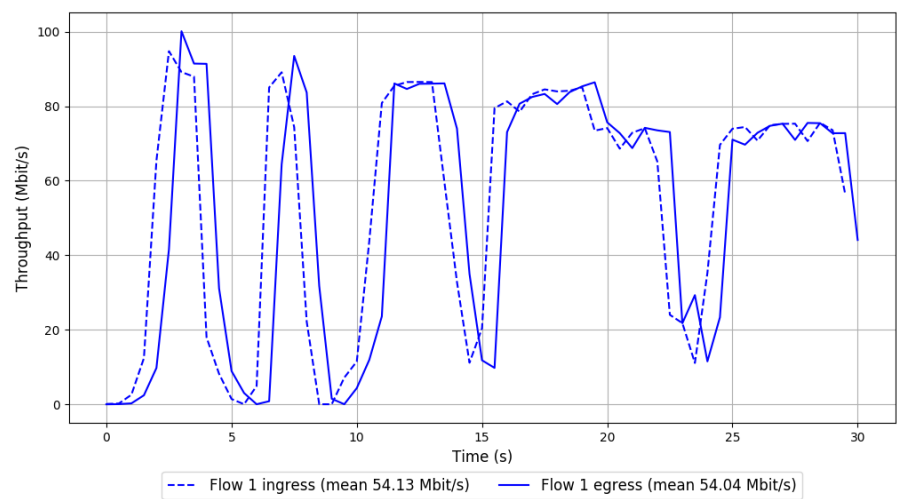


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 08:19:53
End at: 2018-07-10 08:20:23
Local clock offset: -0.148 ms
Remote clock offset: -0.365 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.04 Mbit/s
95th percentile per-packet one-way delay: 109.753 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 54.04 Mbit/s
95th percentile per-packet one-way delay: 109.753 ms
Loss rate: 0.91%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 08:41:57

End at: 2018-07-10 08:42:27

Local clock offset: -0.06 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.22 Mbit/s

95th percentile per-packet one-way delay: 110.619 ms

Loss rate: 0.95%

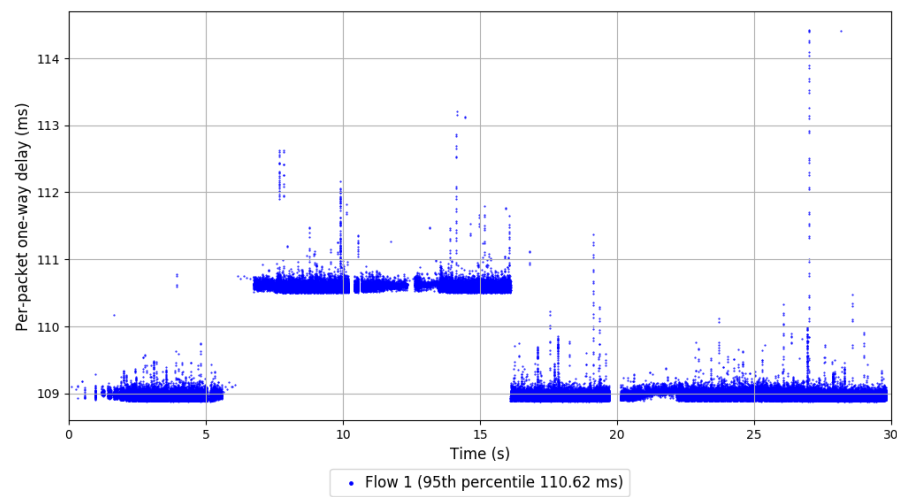
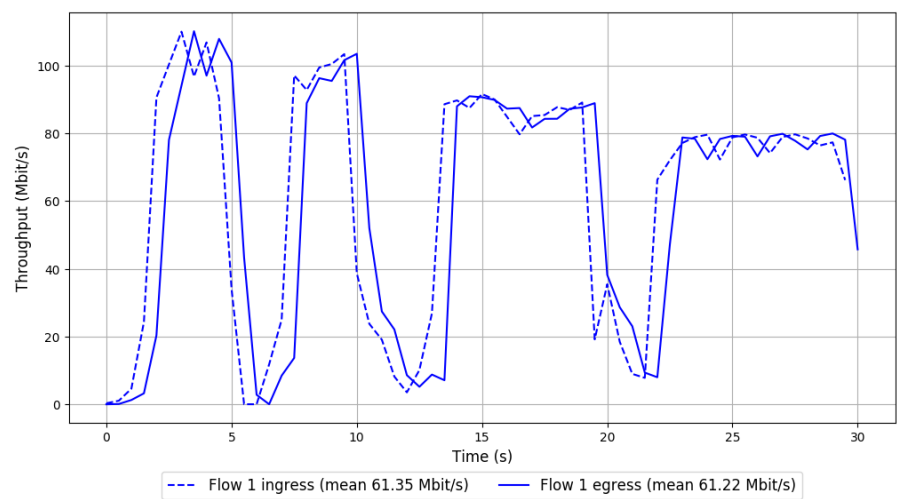
-- Flow 1:

Average throughput: 61.22 Mbit/s

95th percentile per-packet one-way delay: 110.619 ms

Loss rate: 0.95%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 09:04:28

End at: 2018-07-10 09:04:58

Local clock offset: -0.096 ms

Remote clock offset: 0.284 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.68 Mbit/s

95th percentile per-packet one-way delay: 113.181 ms

Loss rate: 1.08%

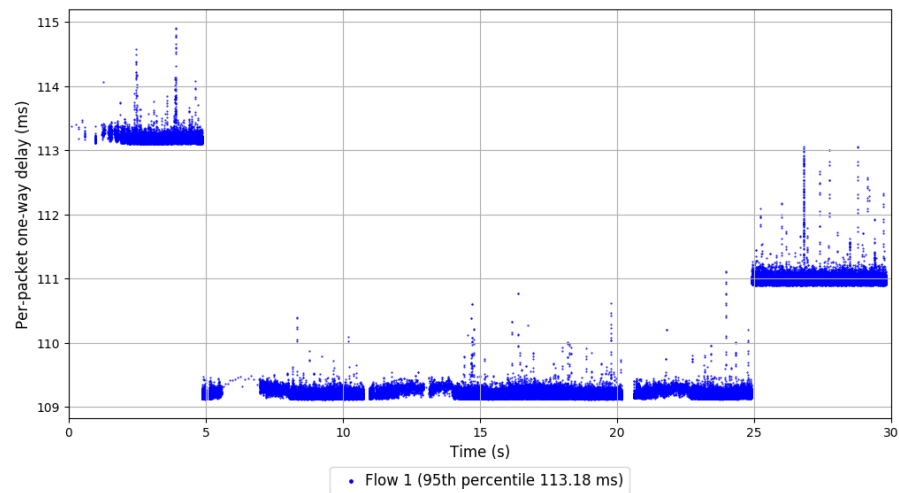
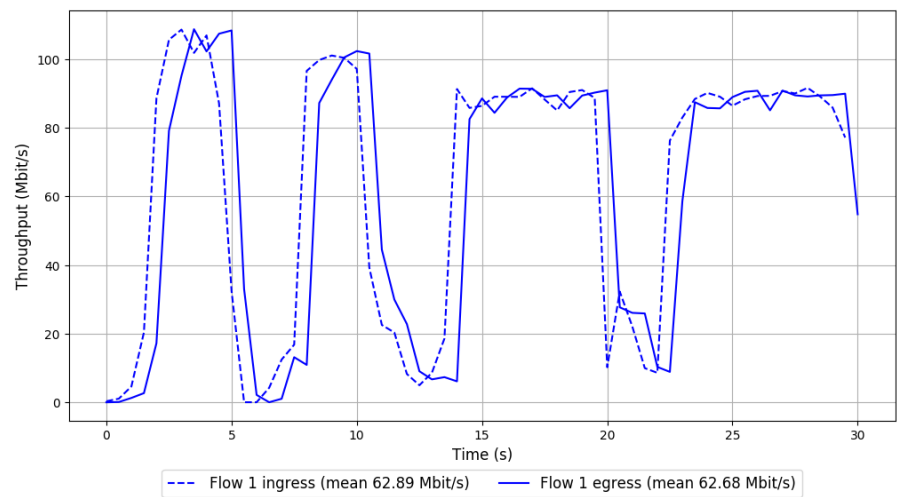
-- Flow 1:

Average throughput: 62.68 Mbit/s

95th percentile per-packet one-way delay: 113.181 ms

Loss rate: 1.08%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 09:27:07

End at: 2018-07-10 09:27:37

Local clock offset: -0.274 ms

Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.54 Mbit/s

95th percentile per-packet one-way delay: 111.992 ms

Loss rate: 1.02%

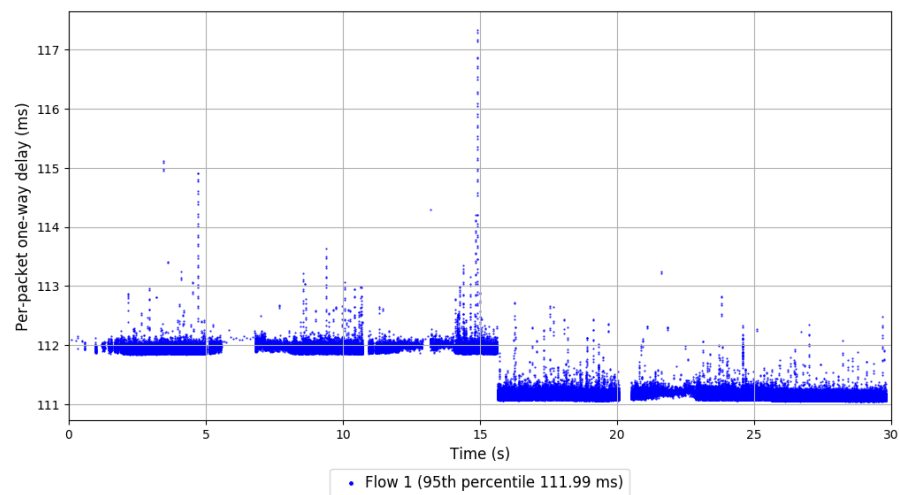
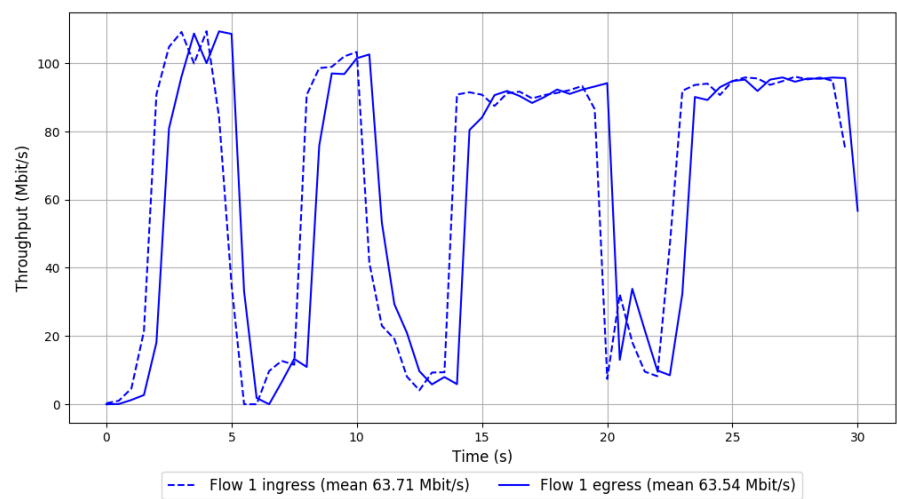
-- Flow 1:

Average throughput: 63.54 Mbit/s

95th percentile per-packet one-way delay: 111.992 ms

Loss rate: 1.02%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 09:49:38

End at: 2018-07-10 09:50:08

Local clock offset: -1.392 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.53 Mbit/s

95th percentile per-packet one-way delay: 111.136 ms

Loss rate: 1.13%

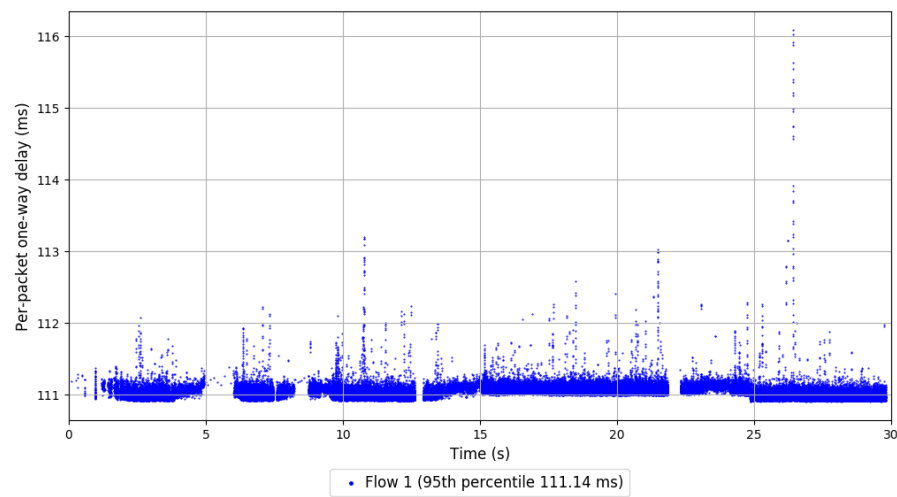
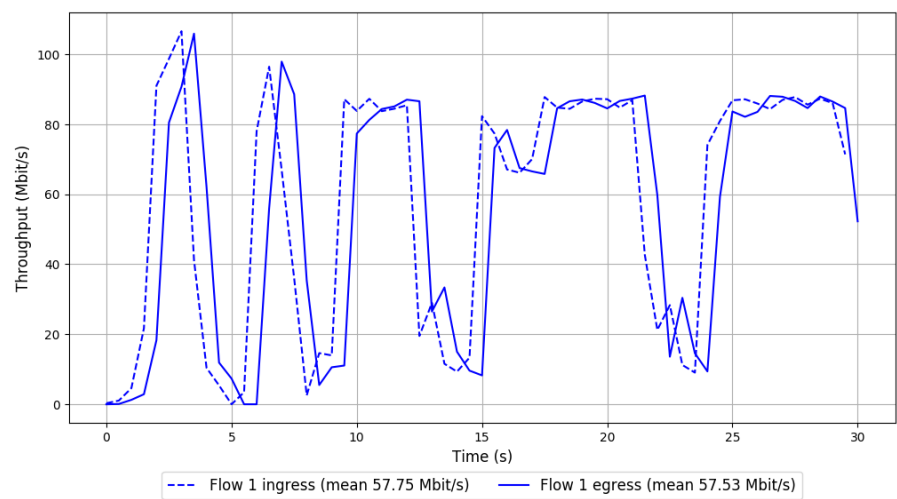
-- Flow 1:

Average throughput: 57.53 Mbit/s

95th percentile per-packet one-way delay: 111.136 ms

Loss rate: 1.13%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 10:12:34

End at: 2018-07-10 10:13:04

Local clock offset: -0.274 ms

Remote clock offset: 0.304 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.09 Mbit/s

95th percentile per-packet one-way delay: 110.026 ms

Loss rate: 1.04%

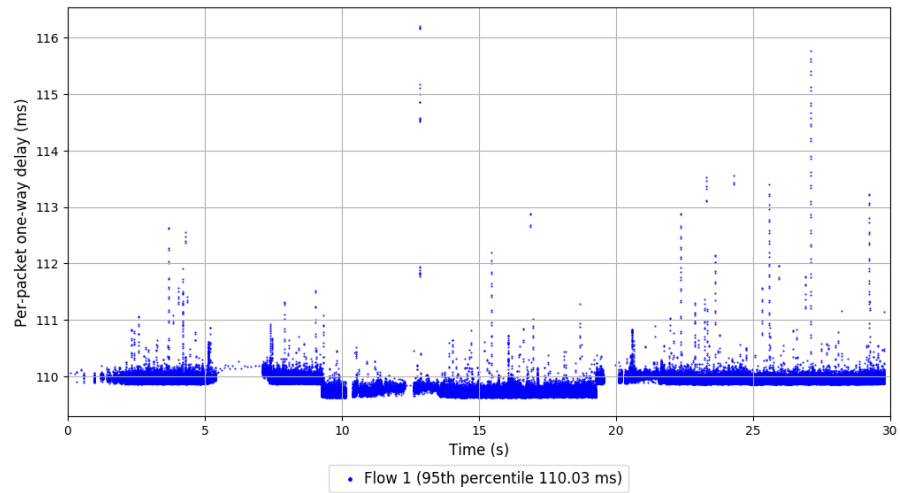
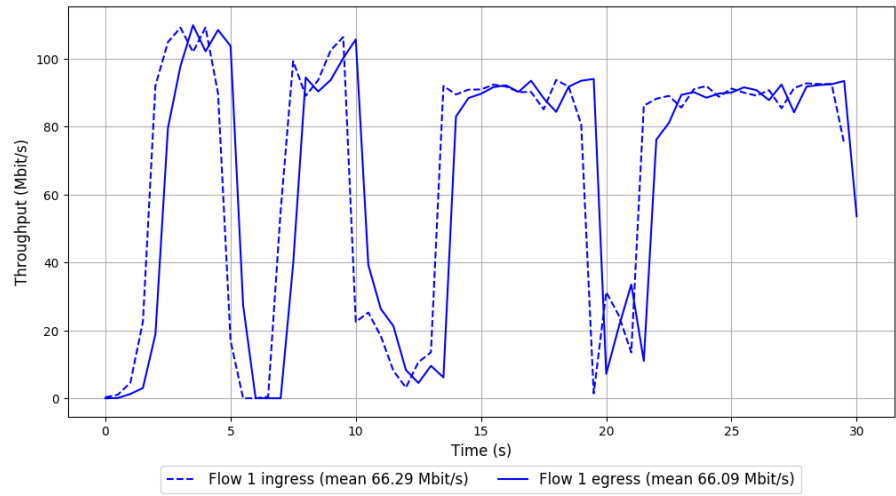
-- Flow 1:

Average throughput: 66.09 Mbit/s

95th percentile per-packet one-way delay: 110.026 ms

Loss rate: 1.04%

Run 7: Report of QUIC Cubic — Data Link

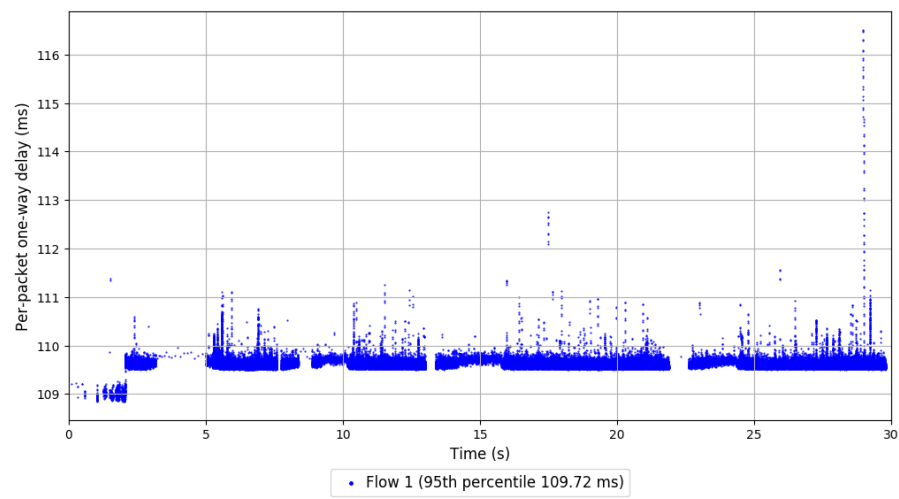
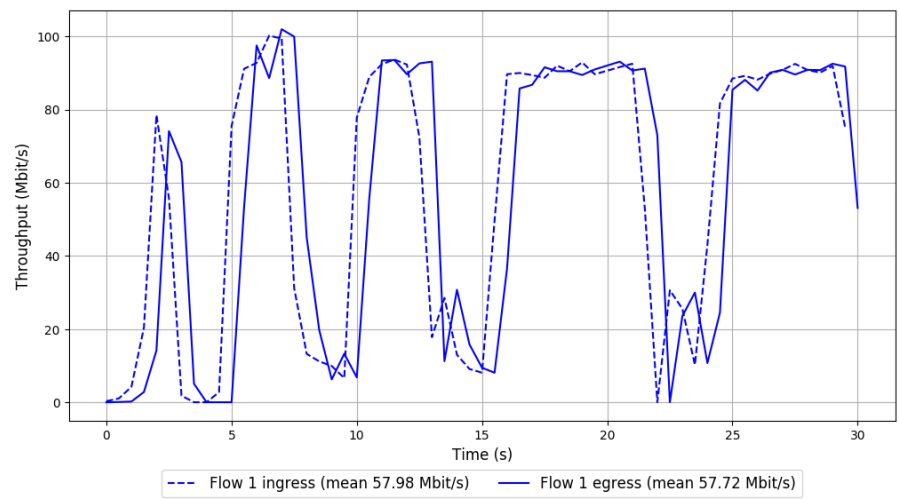


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 10:35:01
End at: 2018-07-10 10:35:31
Local clock offset: -1.513 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 109.725 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 109.725 ms
Loss rate: 1.18%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

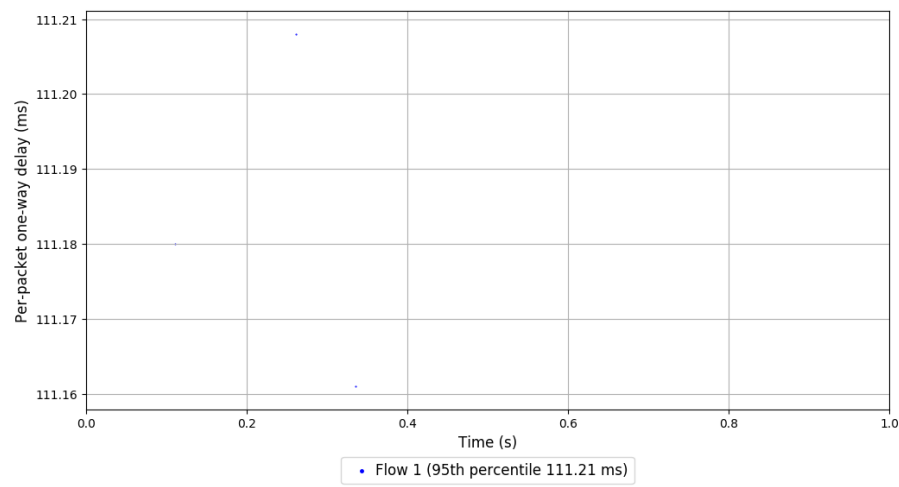
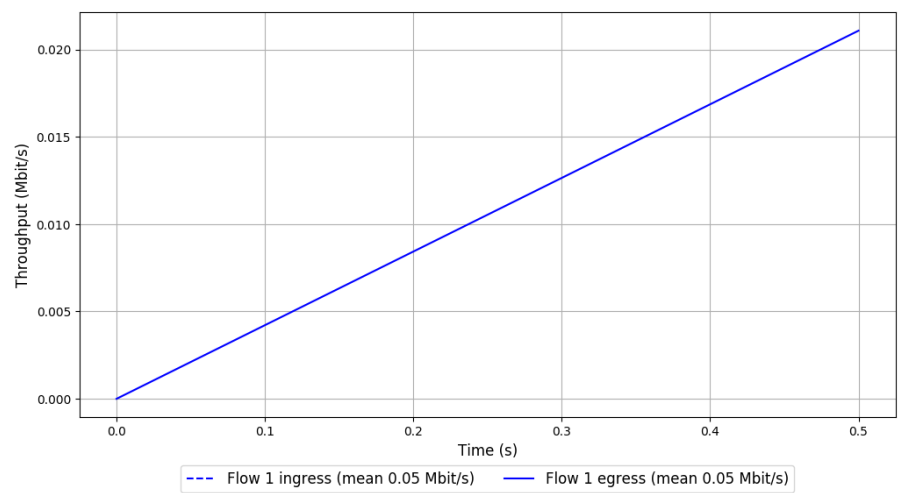
Start at: 2018-07-10 10:57:45

End at: 2018-07-10 10:58:15

Local clock offset: 0.001 ms

Remote clock offset: -0.007 ms

Run 9: Report of QUIC Cubic — Data Link

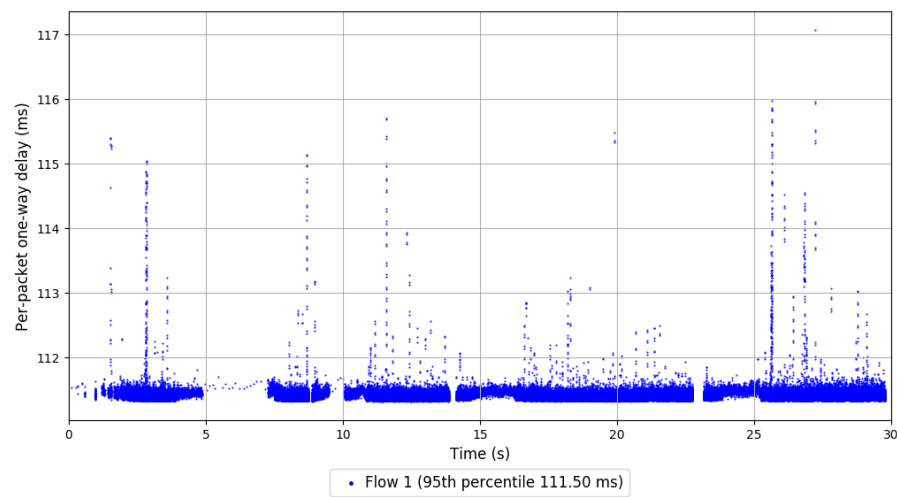
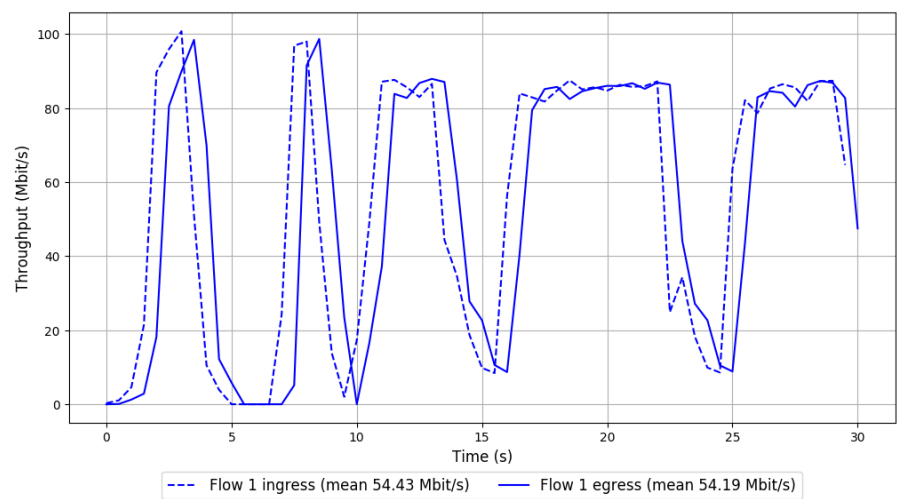


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 11:19:31
End at: 2018-07-10 11:20:01
Local clock offset: -1.424 ms
Remote clock offset: -0.432 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.19 Mbit/s
95th percentile per-packet one-way delay: 111.499 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 54.19 Mbit/s
95th percentile per-packet one-way delay: 111.499 ms
Loss rate: 1.18%

Run 10: Report of QUIC Cubic — Data Link

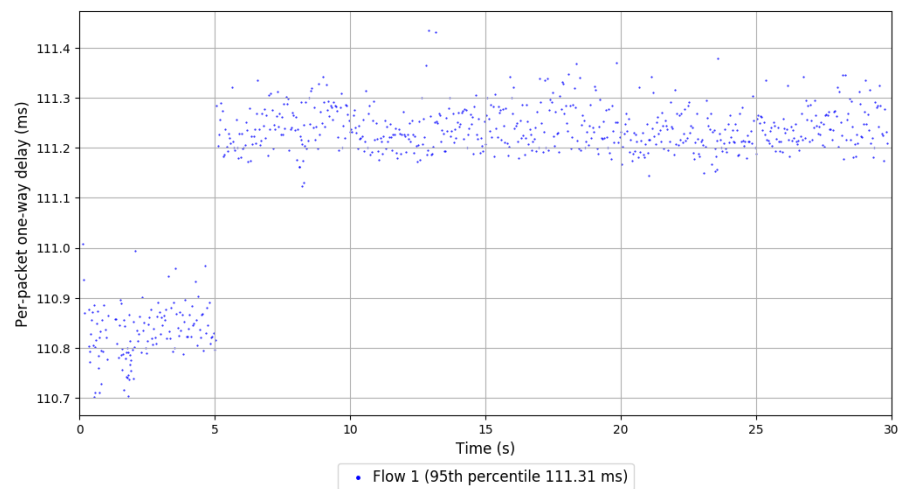
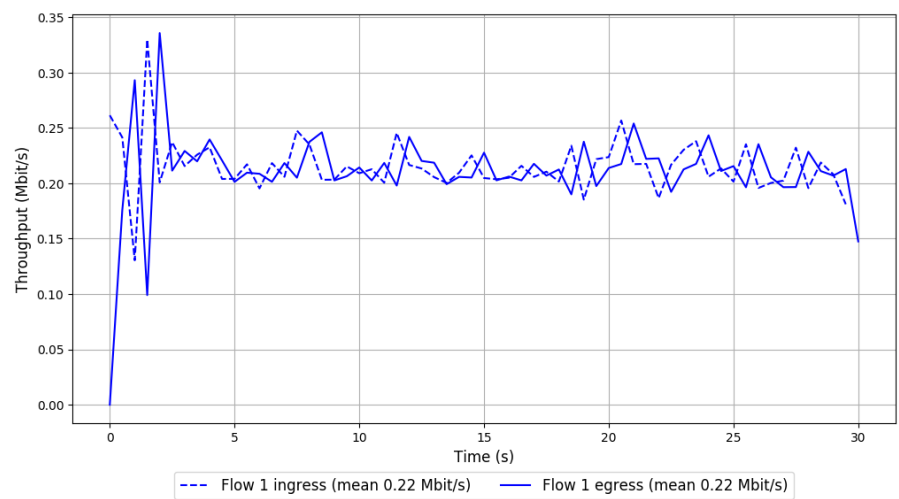


```
Run 1: Statistics of SCReAM

Start at: 2018-07-10 08:03:58
End at: 2018-07-10 08:04:28
Local clock offset: -0.425 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-07-10 12:51:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.312 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.312 ms
Loss rate: 0.64%
```


Run 1: Report of SReAM — Data Link

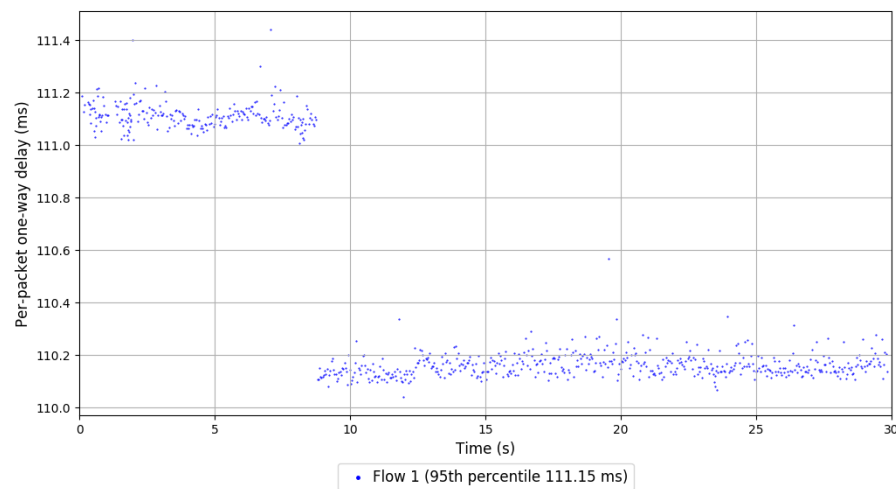
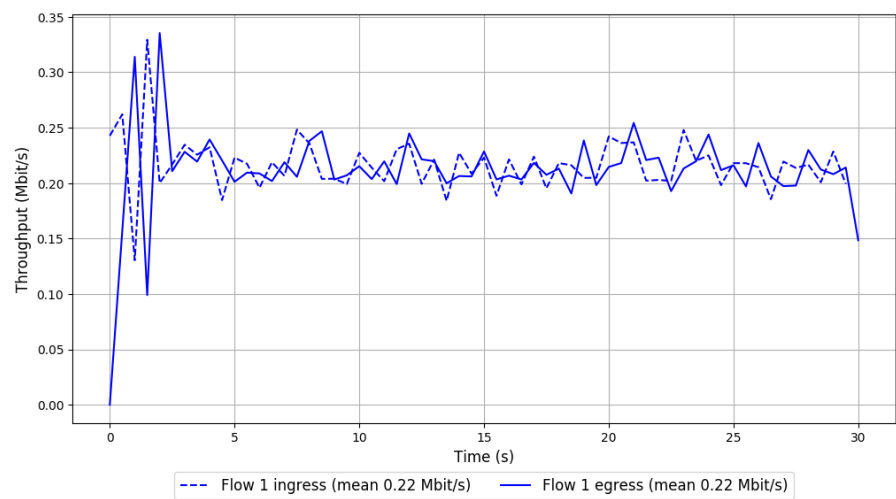


```
Run 2: Statistics of SCReAM

Start at: 2018-07-10 08:25:54
End at: 2018-07-10 08:26:24
Local clock offset: -0.335 ms
Remote clock offset: 0.074 ms

# Below is generated by plot.py at 2018-07-10 12:51:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.152 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.152 ms
Loss rate: 0.77%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-10 08:48:42

End at: 2018-07-10 08:49:12

Local clock offset: -1.473 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.201 ms

Loss rate: 0.76%

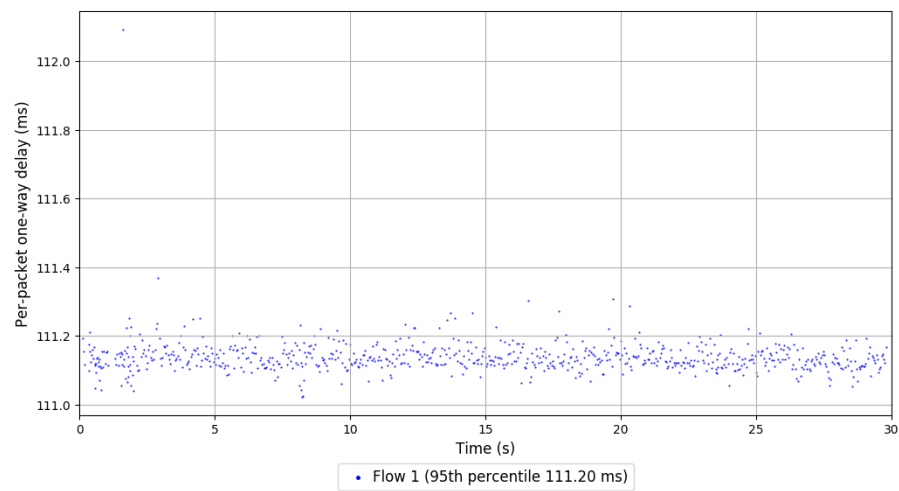
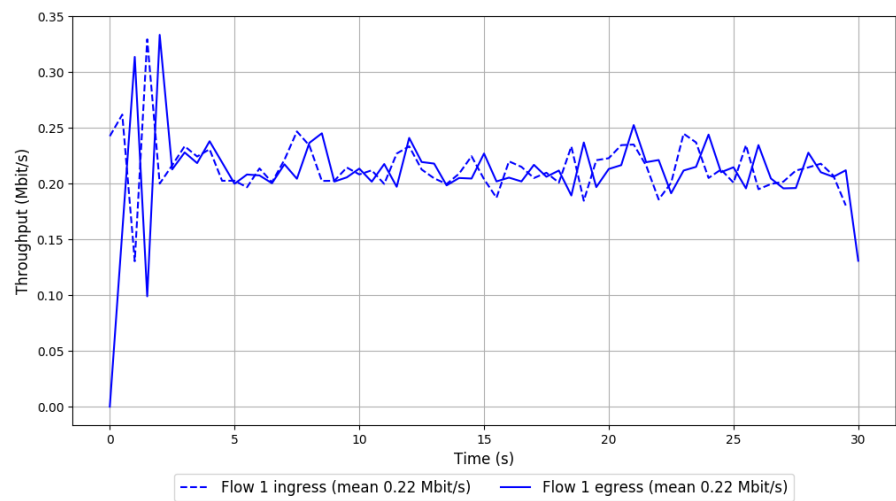
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.201 ms

Loss rate: 0.76%

Run 3: Report of SReAM — Data Link

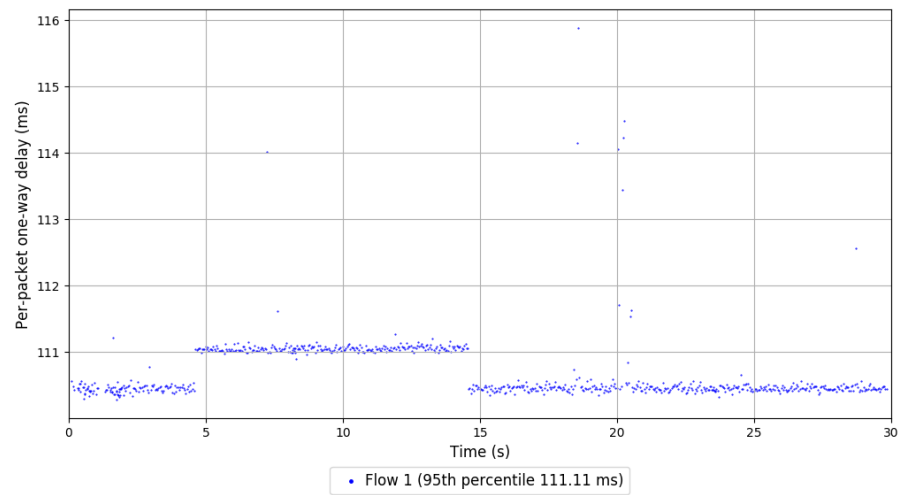
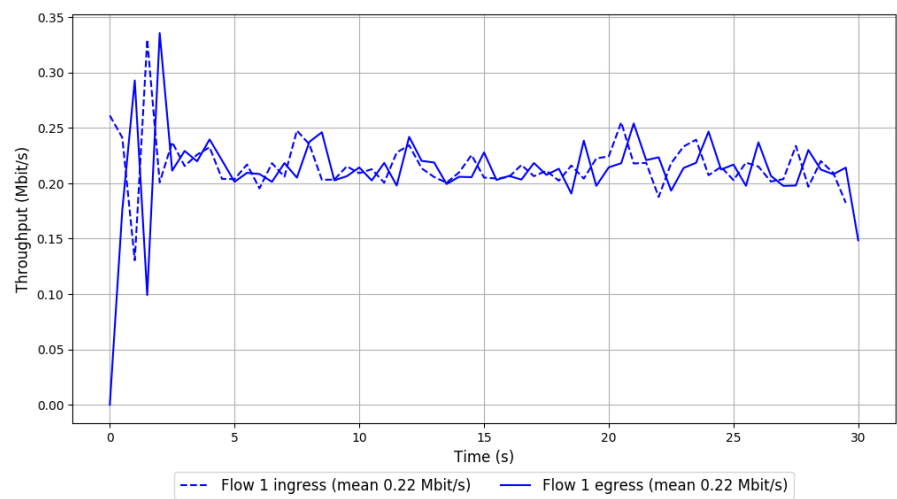


Run 4: Statistics of SCReAM

Start at: 2018-07-10 09:11:08
End at: 2018-07-10 09:11:38
Local clock offset: -0.263 ms
Remote clock offset: -0.427 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.105 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.105 ms
Loss rate: 0.64%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-10 09:33:38

End at: 2018-07-10 09:34:08

Local clock offset: -0.274 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.247 ms

Loss rate: 0.77%

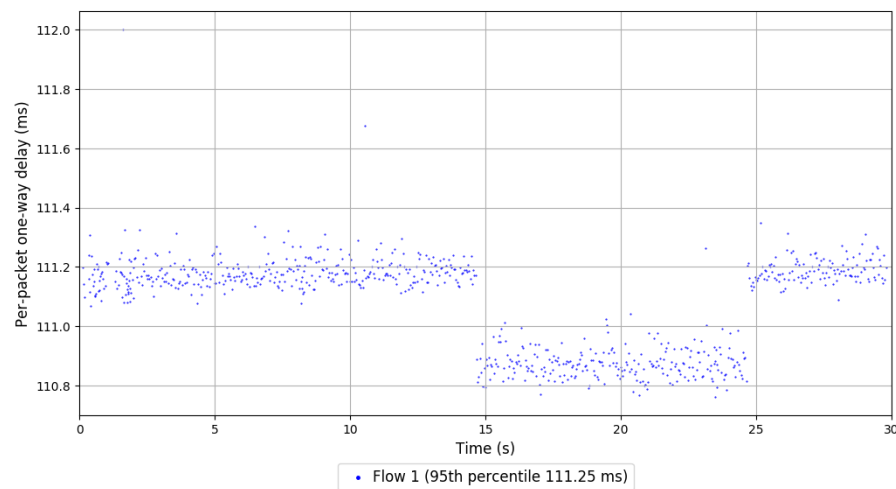
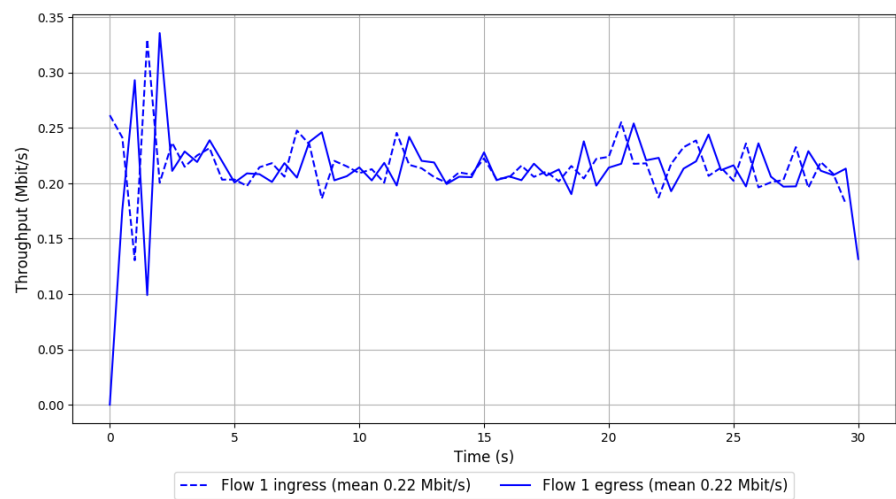
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.247 ms

Loss rate: 0.77%

Run 5: Report of SCRaM — Data Link

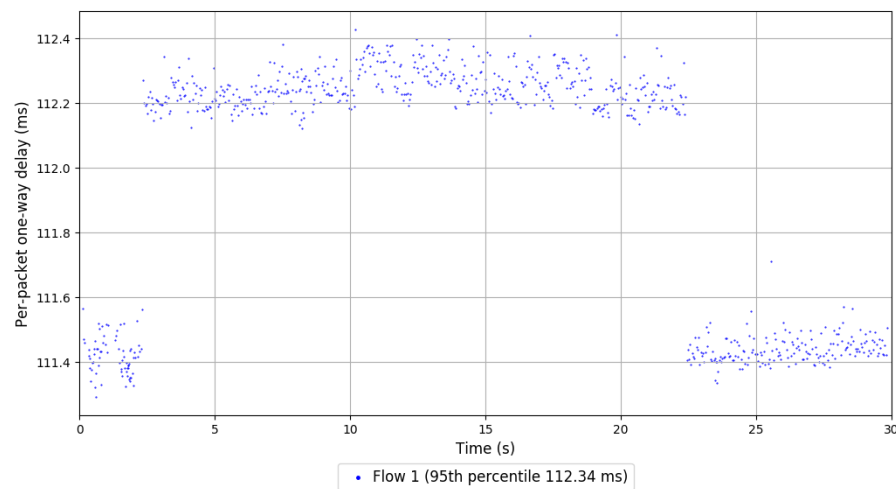
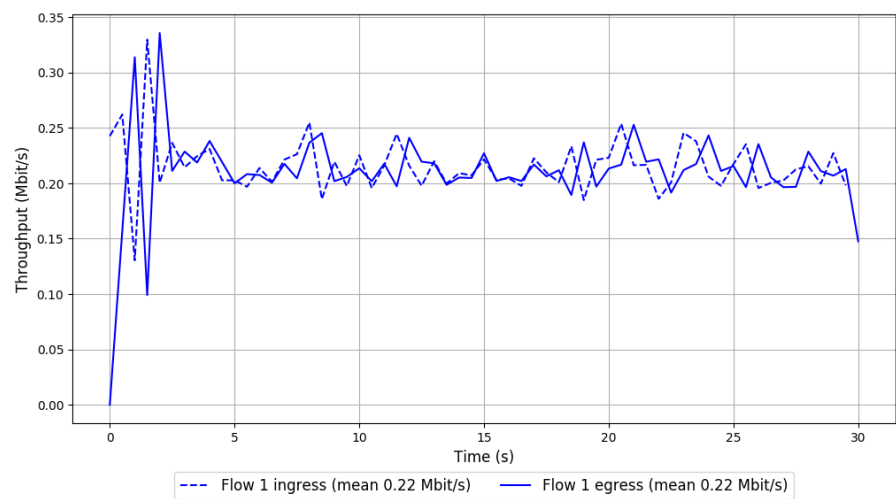


Run 6: Statistics of SCReAM

Start at: 2018-07-10 09:56:21
End at: 2018-07-10 09:56:51
Local clock offset: -0.399 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.344 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.344 ms
Loss rate: 0.77%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-10 10:19:23

End at: 2018-07-10 10:19:53

Local clock offset: -1.447 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 108.856 ms

Loss rate: 0.64%

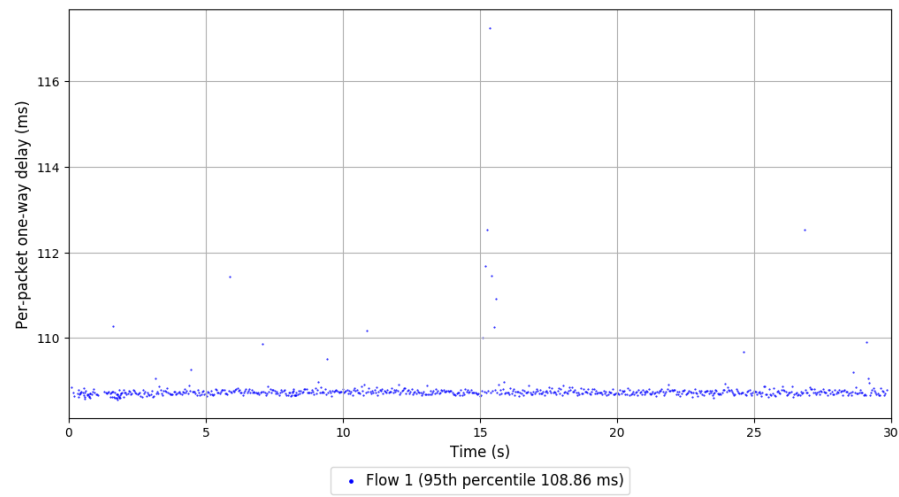
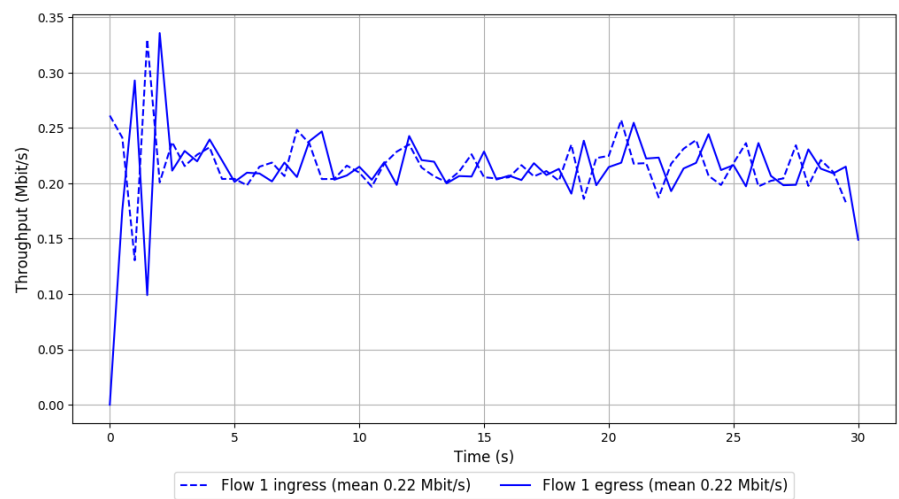
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 108.856 ms

Loss rate: 0.64%

Run 7: Report of SReAM — Data Link

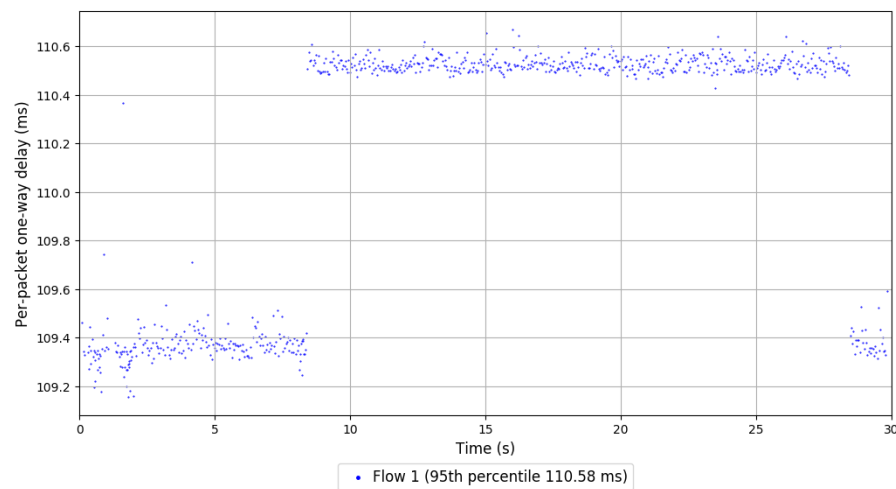
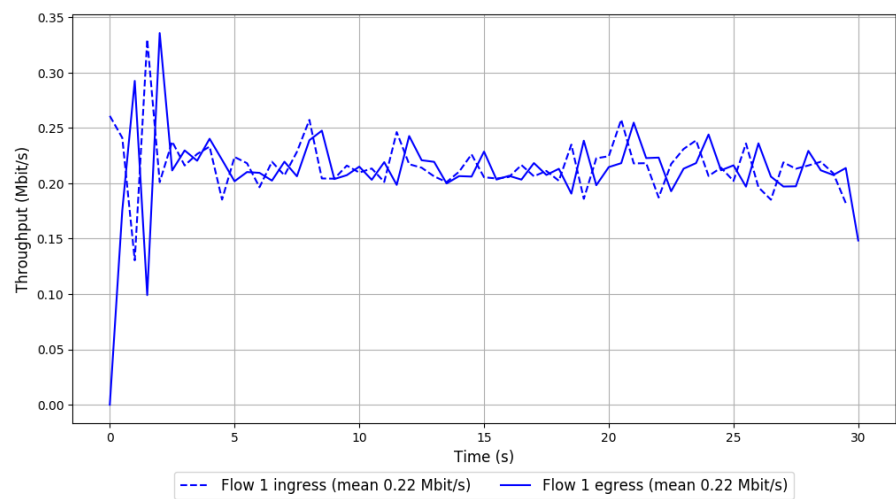


Run 8: Statistics of SCReAM

Start at: 2018-07-10 10:41:44
End at: 2018-07-10 10:42:14
Local clock offset: -0.287 ms
Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.575 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.575 ms
Loss rate: 0.64%

Run 8: Report of SReAM — Data Link

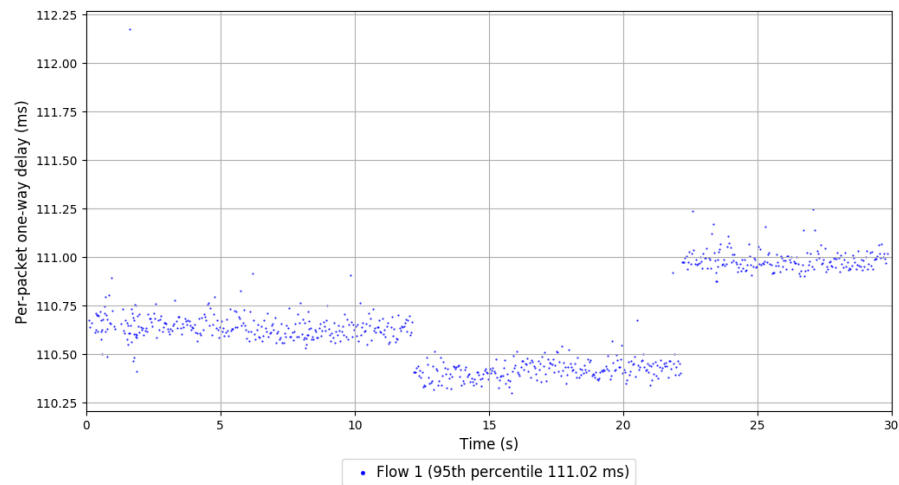
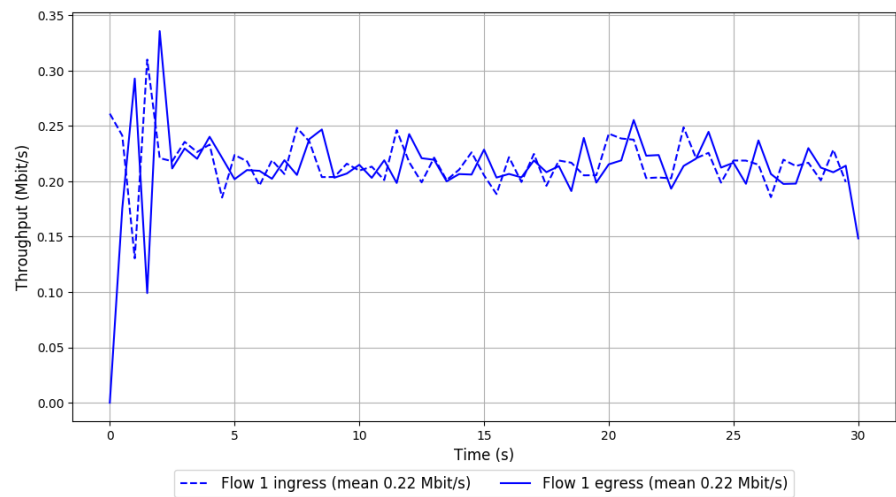


Run 9: Statistics of SCReAM

Start at: 2018-07-10 11:04:01
End at: 2018-07-10 11:04:31
Local clock offset: -0.387 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.019 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.019 ms
Loss rate: 0.77%

Run 9: Report of SReAM — Data Link

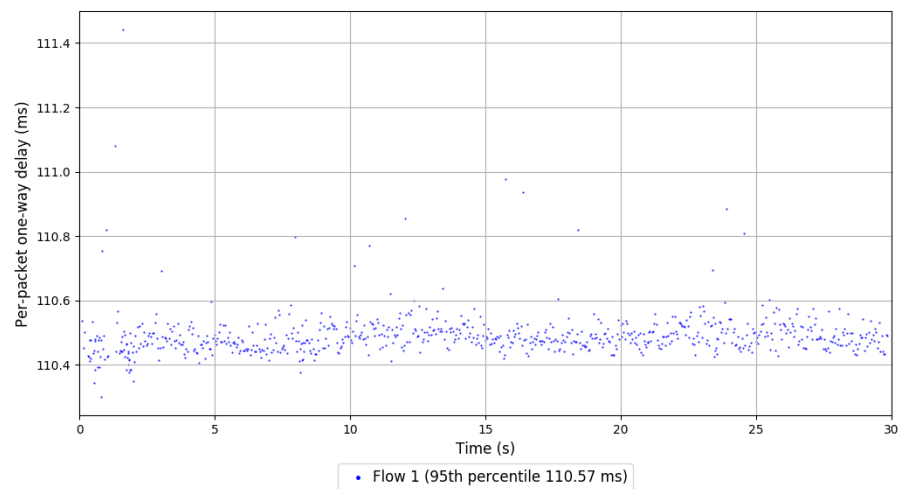
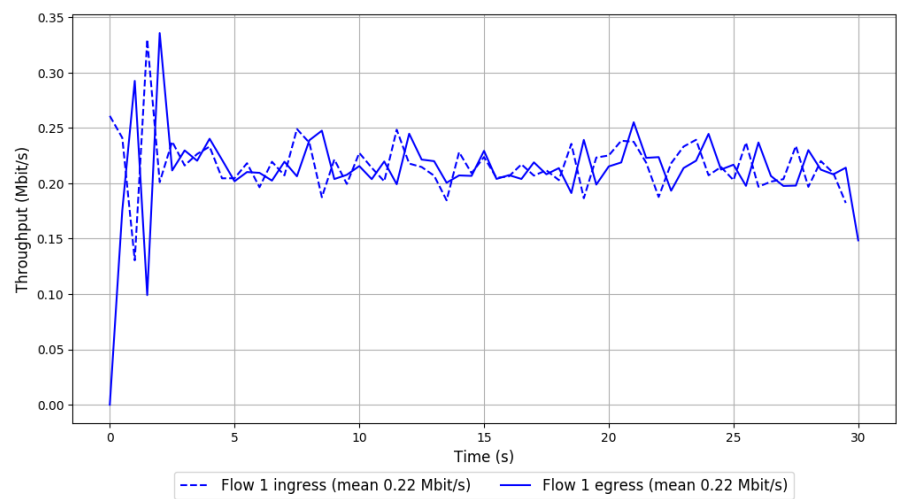


Run 10: Statistics of SCReAM

Start at: 2018-07-10 11:26:12
End at: 2018-07-10 11:26:42
Local clock offset: -0.319 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.567 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.567 ms
Loss rate: 0.64%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-10 07:58:23

End at: 2018-07-10 07:58:53

Local clock offset: -0.223 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 111.361 ms

Loss rate: 0.49%

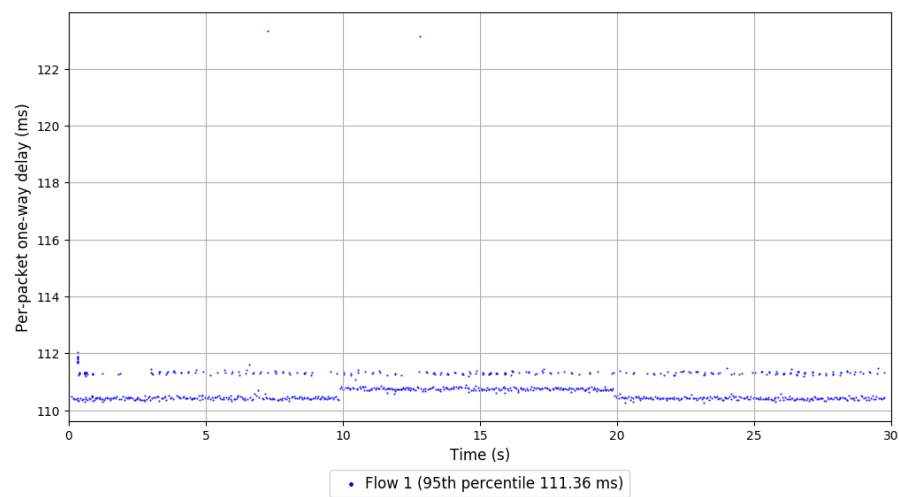
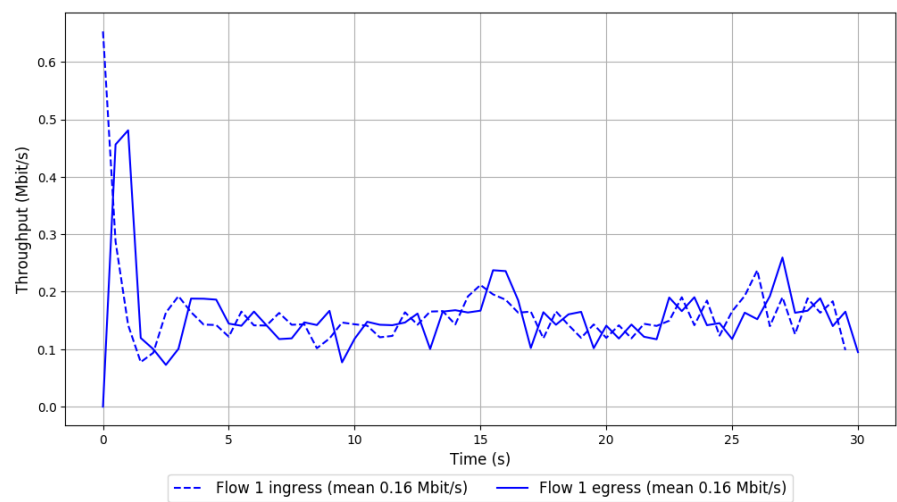
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 111.361 ms

Loss rate: 0.49%

Run 1: Report of Sprout — Data Link

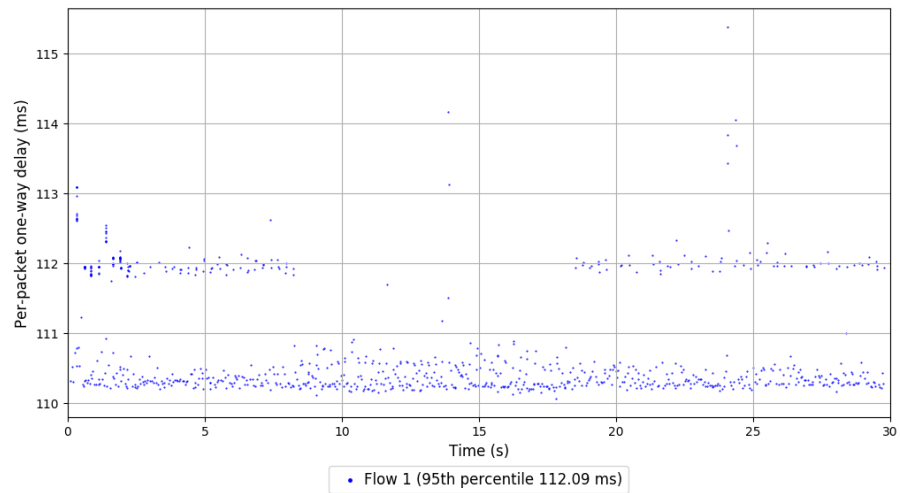
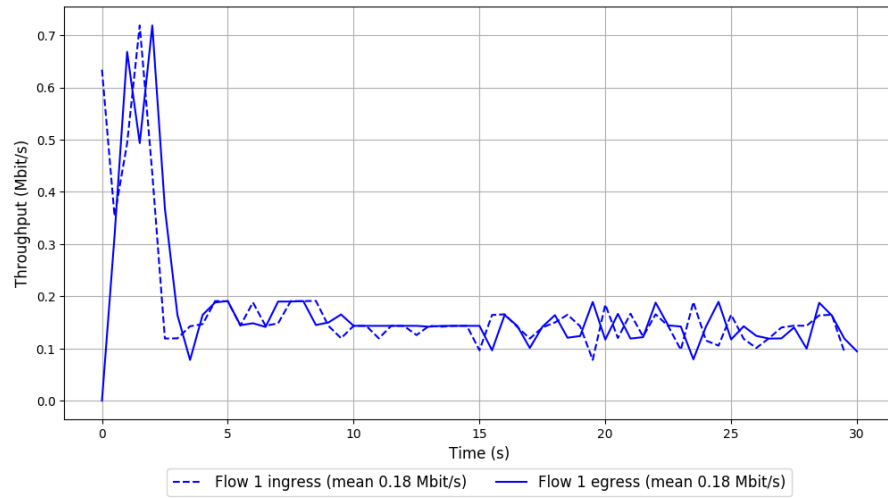


Run 2: Statistics of Sprout

Start at: 2018-07-10 08:21:05
End at: 2018-07-10 08:21:35
Local clock offset: -0.04 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.089 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.089 ms
Loss rate: 0.46%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-10 08:43:08

End at: 2018-07-10 08:43:38

Local clock offset: 1.354 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 114.067 ms

Loss rate: 1.38%

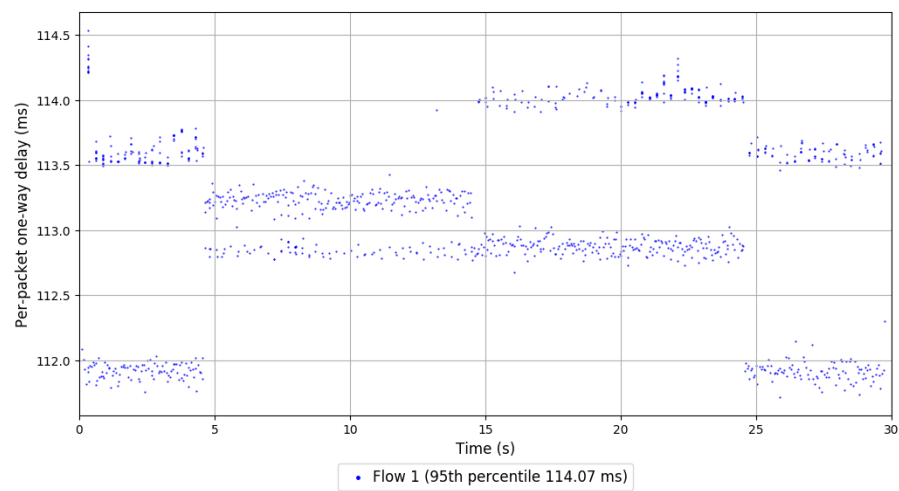
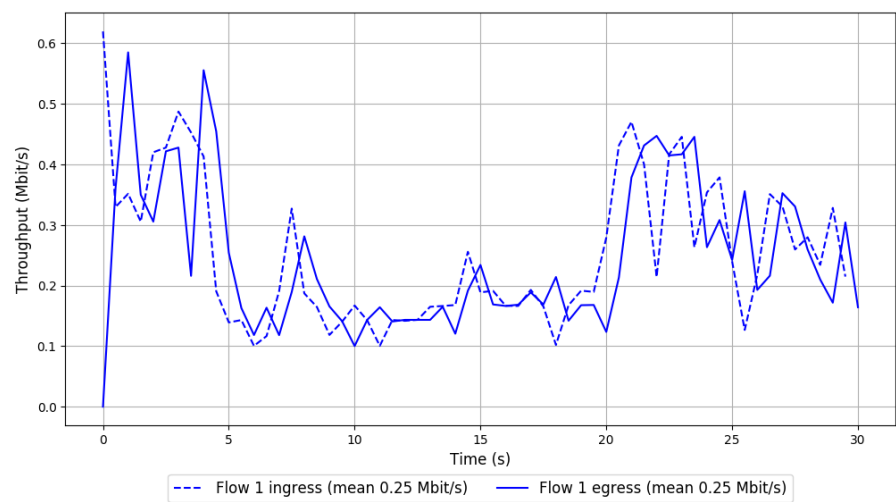
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 114.067 ms

Loss rate: 1.38%

Run 3: Report of Sprout — Data Link

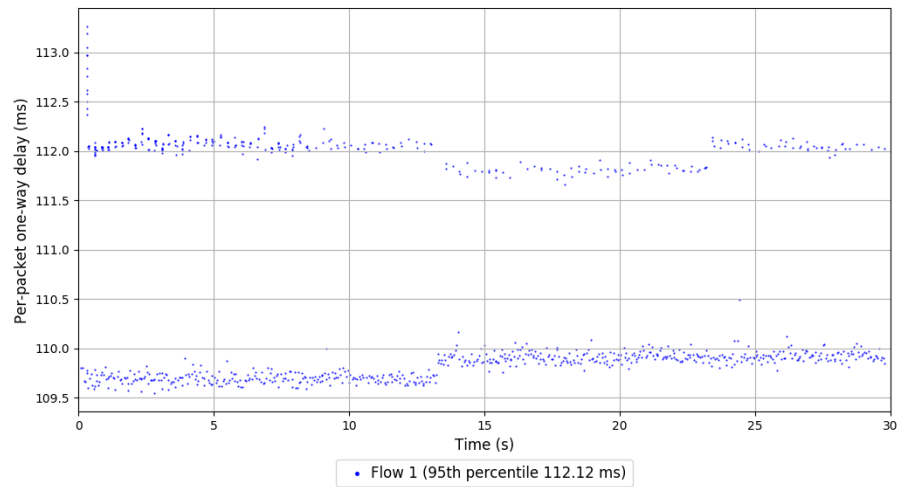
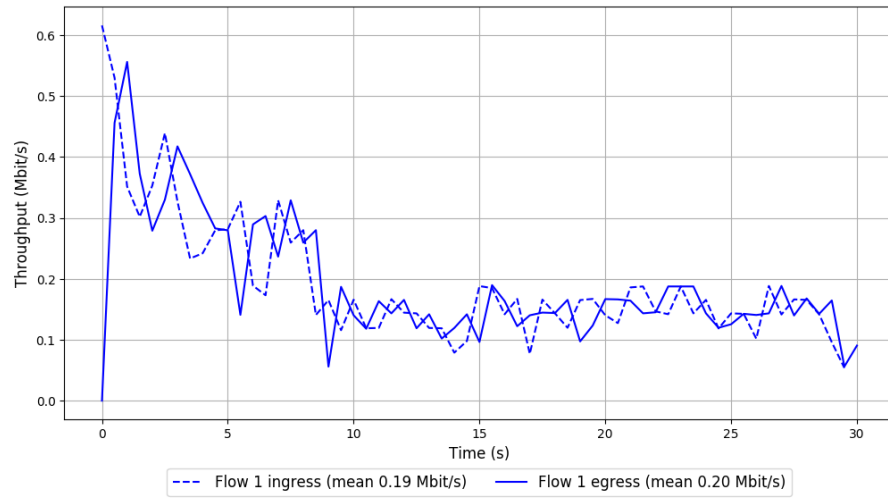


Run 4: Statistics of Sprout

Start at: 2018-07-10 09:05:40
End at: 2018-07-10 09:06:10
Local clock offset: -0.219 ms
Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.121 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.121 ms
Loss rate: 0.06%

Run 4: Report of Sprout — Data Link

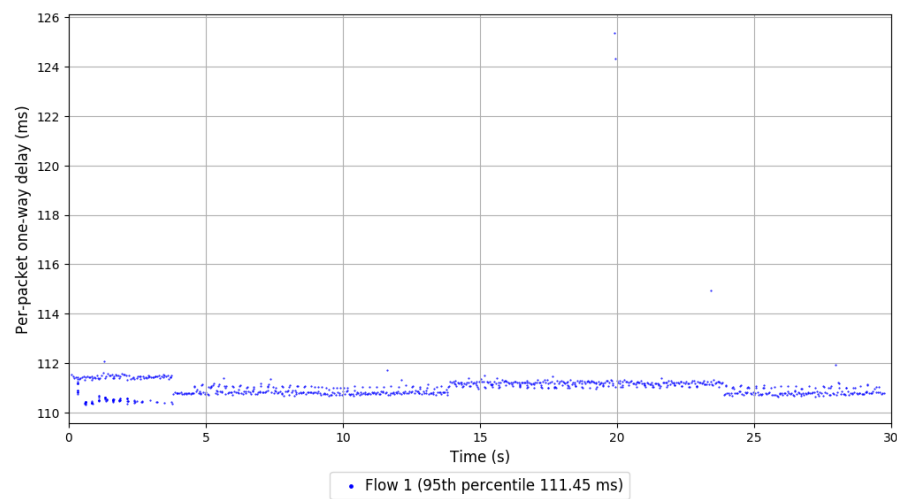
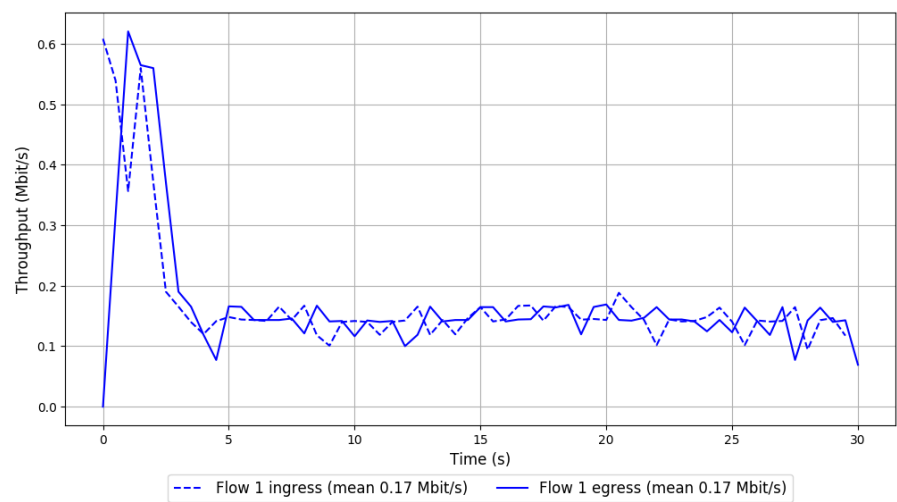


Run 5: Statistics of Sprout

Start at: 2018-07-10 09:28:19
End at: 2018-07-10 09:28:49
Local clock offset: -0.152 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 111.455 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 111.455 ms
Loss rate: 0.73%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-10 09:50:49

End at: 2018-07-10 09:51:19

Local clock offset: -0.06 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.104 ms

Loss rate: 0.44%

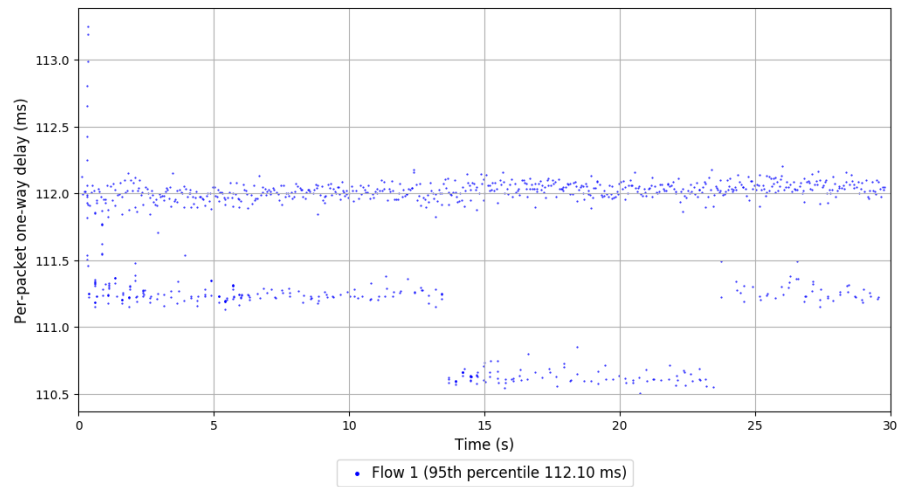
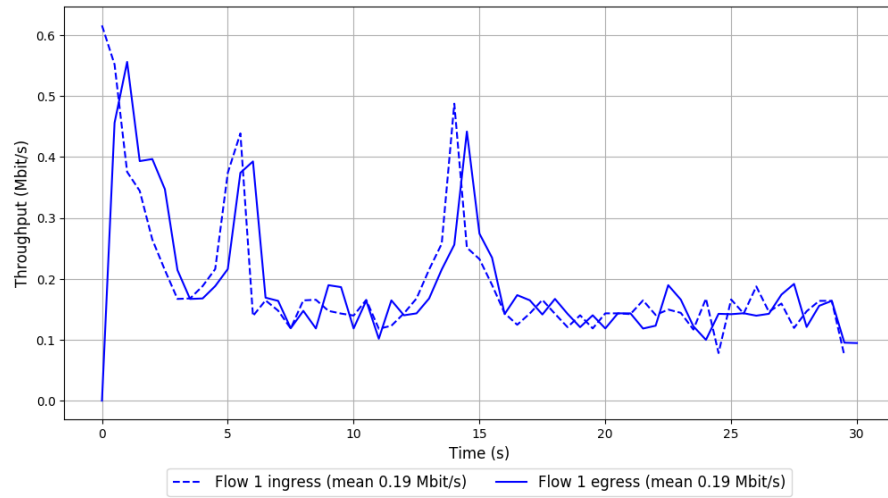
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.104 ms

Loss rate: 0.44%

Run 6: Report of Sprout — Data Link

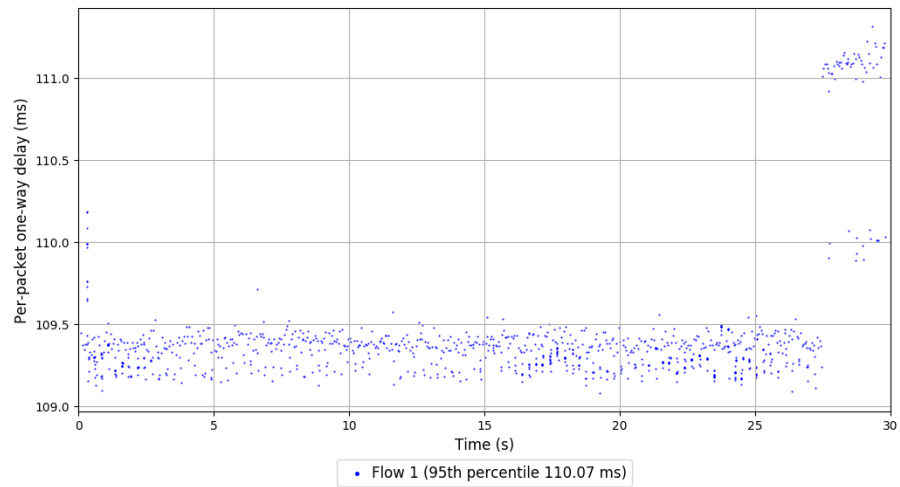
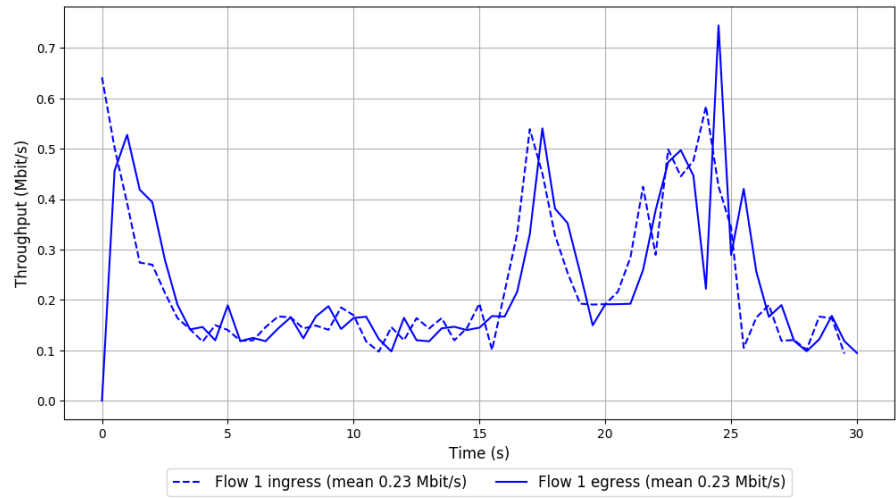


Run 7: Statistics of Sprout

Start at: 2018-07-10 10:13:45
End at: 2018-07-10 10:14:15
Local clock offset: -0.341 ms
Remote clock offset: 0.297 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 110.073 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 110.073 ms
Loss rate: 0.34%

Run 7: Report of Sprout — Data Link

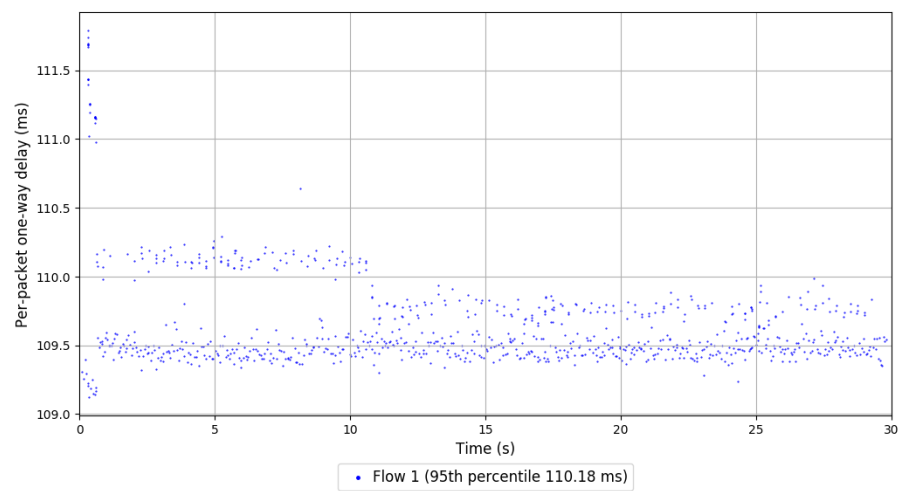
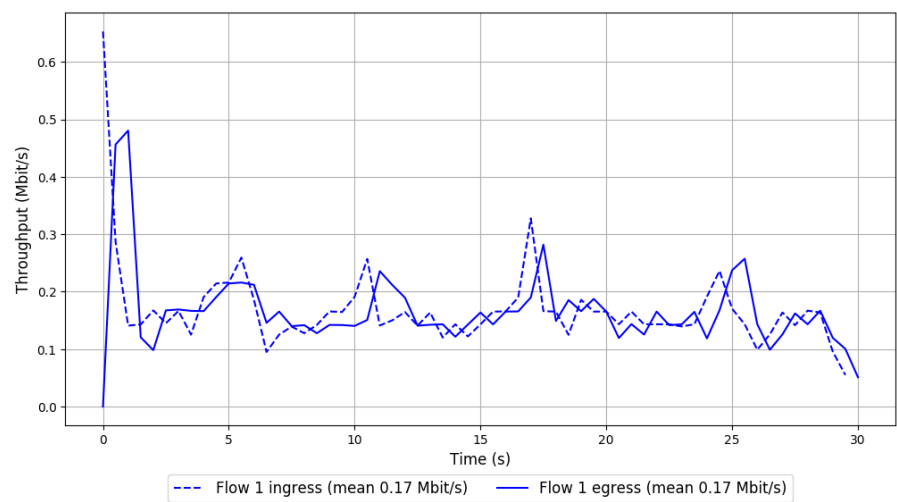


Run 8: Statistics of Sprout

Start at: 2018-07-10 10:36:12
End at: 2018-07-10 10:36:42
Local clock offset: -0.553 ms
Remote clock offset: 0.347 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 110.178 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 110.178 ms
Loss rate: 0.46%

Run 8: Report of Sprout — Data Link

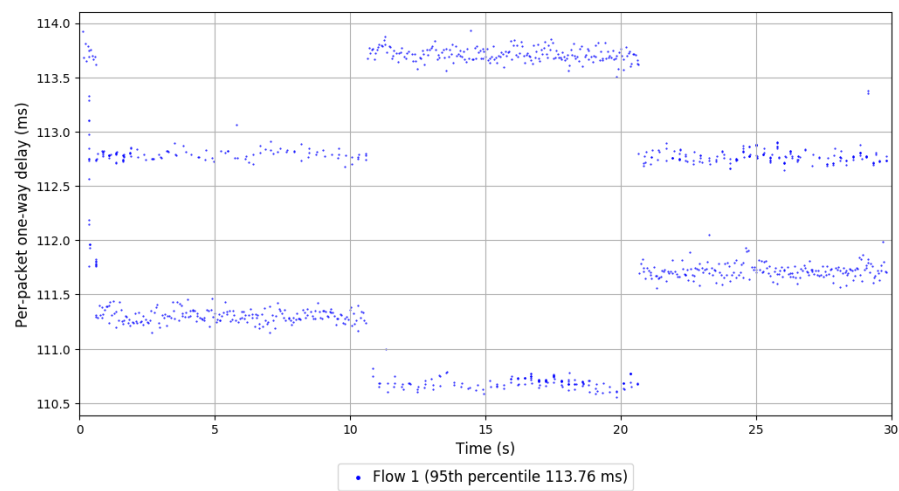
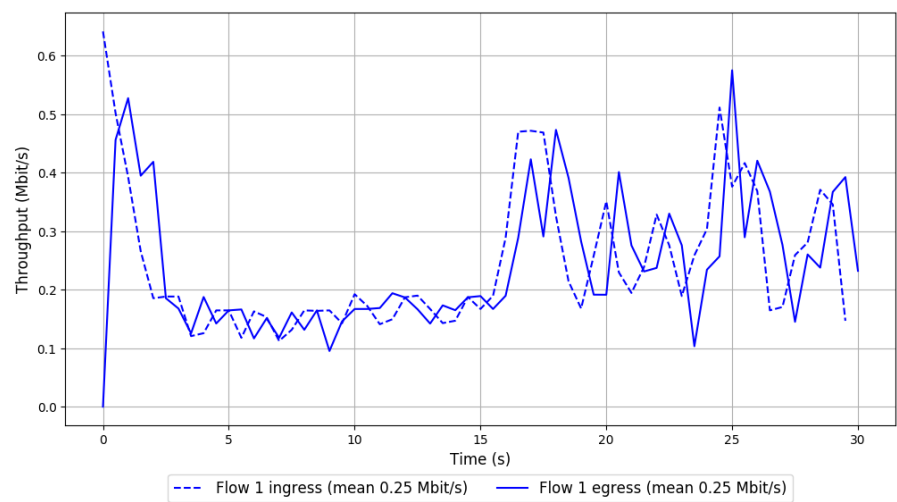


Run 9: Statistics of Sprout

Start at: 2018-07-10 10:58:52
End at: 2018-07-10 10:59:22
Local clock offset: 0.822 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-10 12:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 113.757 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 113.757 ms
Loss rate: 0.04%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-10 11:20:42

End at: 2018-07-10 11:21:12

Local clock offset: -0.152 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-10 12:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

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

Loss rate: 0.63%

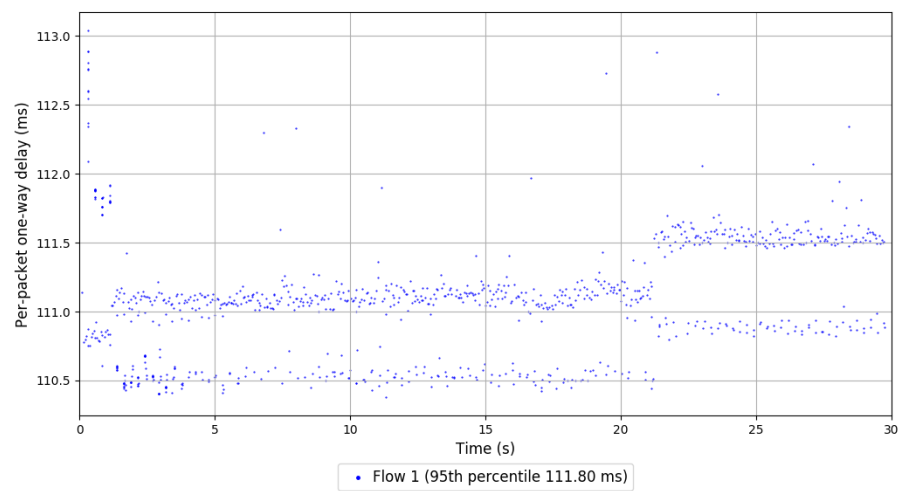
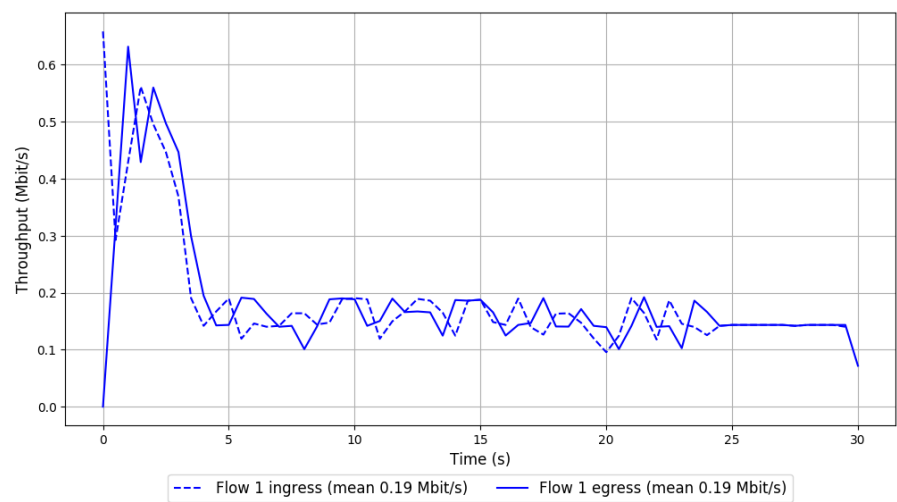
-- Flow 1:

Average throughput: 0.19 Mbit/s

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

Loss rate: 0.63%

Run 10: Report of Sprout — Data Link

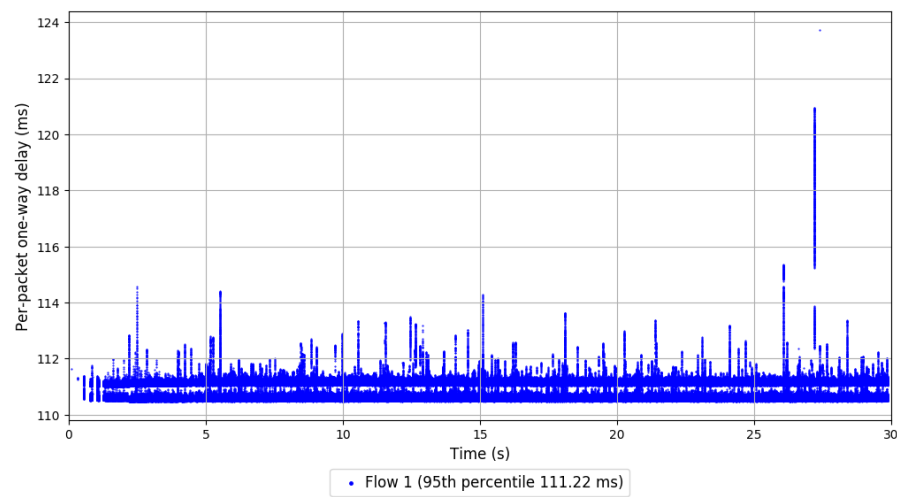
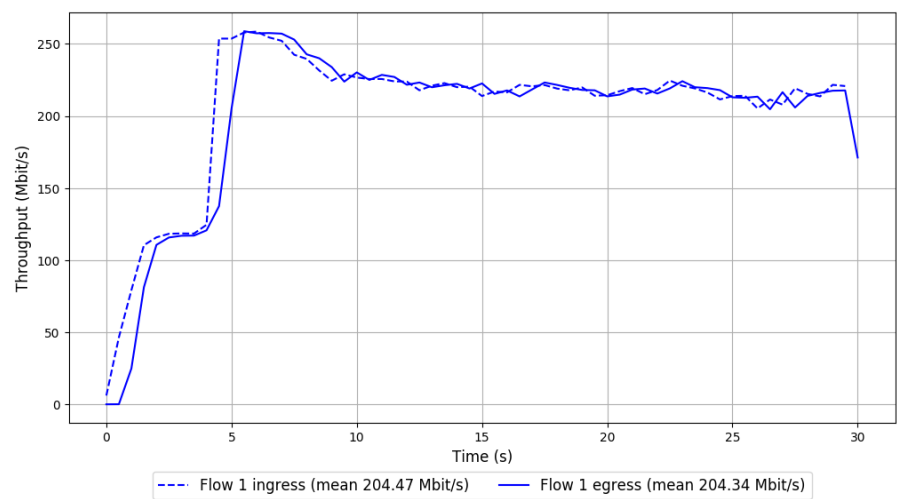


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 08:02:31
End at: 2018-07-10 08:03:01
Local clock offset: 0.082 ms
Remote clock offset: 0.314 ms

# Below is generated by plot.py at 2018-07-10 12:51:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.34 Mbit/s
95th percentile per-packet one-way delay: 111.221 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 204.34 Mbit/s
95th percentile per-packet one-way delay: 111.221 ms
Loss rate: 0.81%
```


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

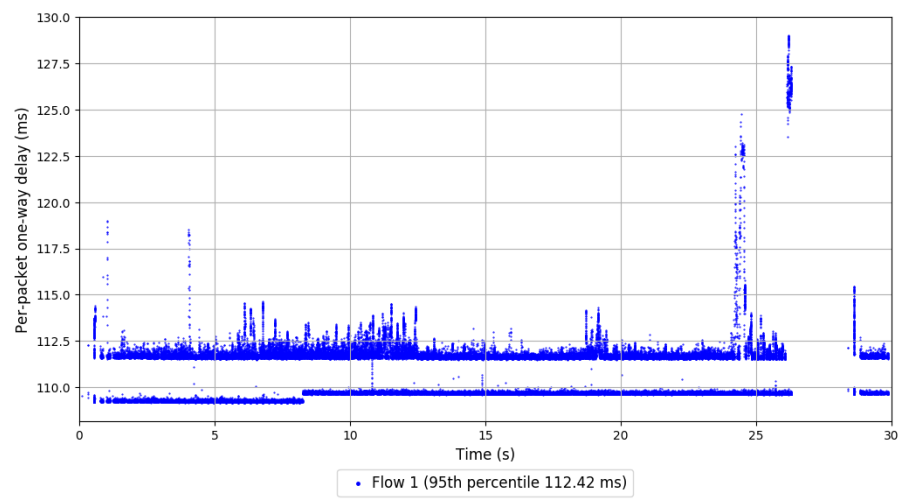
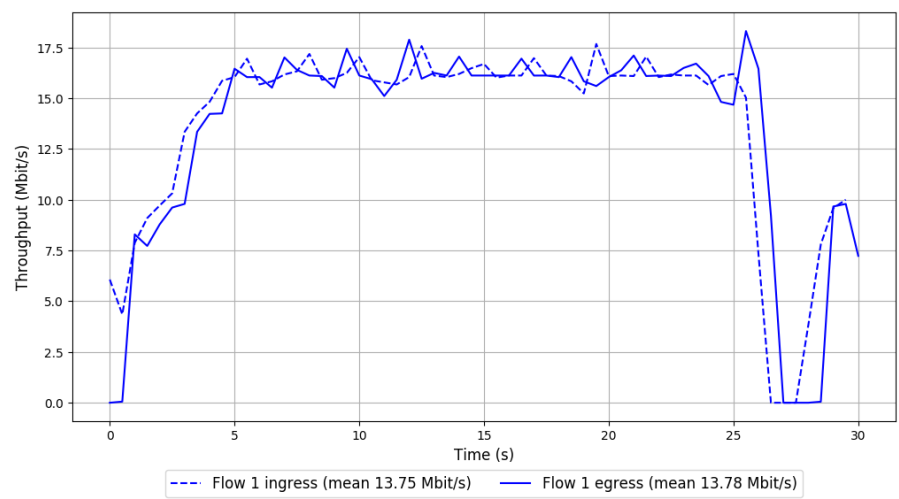


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 08:24:45
End at: 2018-07-10 08:25:15
Local clock offset: -0.197 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-10 12:51:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 112.421 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 112.421 ms
Loss rate: 0.54%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 08:47:16

End at: 2018-07-10 08:47:46

Local clock offset: -0.121 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-10 12:51:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.23 Mbit/s

95th percentile per-packet one-way delay: 112.403 ms

Loss rate: 0.85%

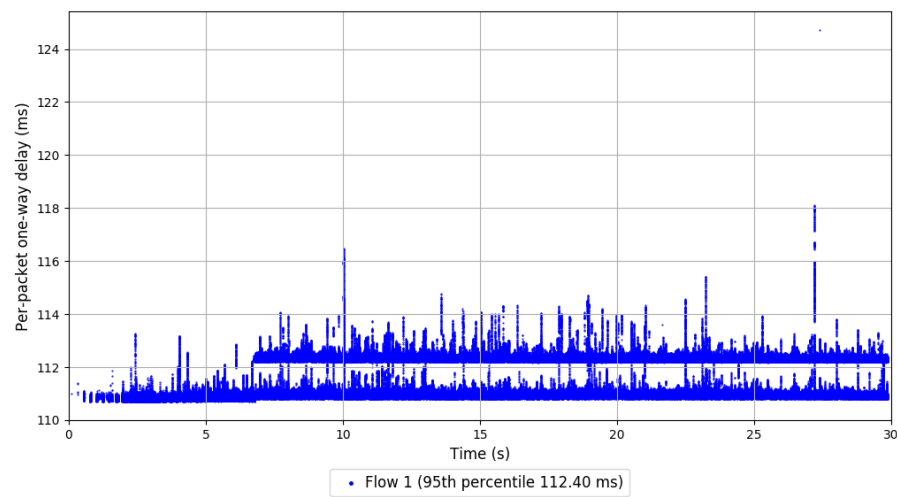
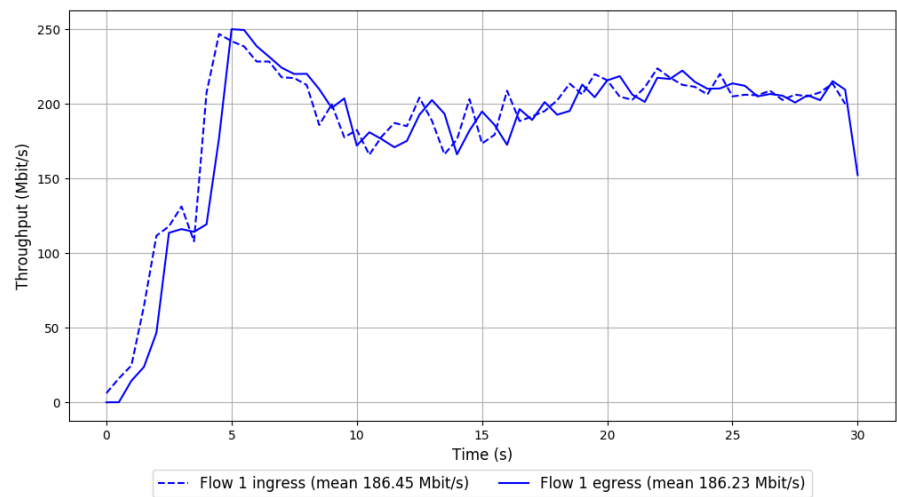
-- Flow 1:

Average throughput: 186.23 Mbit/s

95th percentile per-packet one-way delay: 112.403 ms

Loss rate: 0.85%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 09:09:50

End at: 2018-07-10 09:10:20

Local clock offset: -1.251 ms

Remote clock offset: -0.44 ms

Below is generated by plot.py at 2018-07-10 12:51:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.16 Mbit/s

95th percentile per-packet one-way delay: 111.722 ms

Loss rate: 0.69%

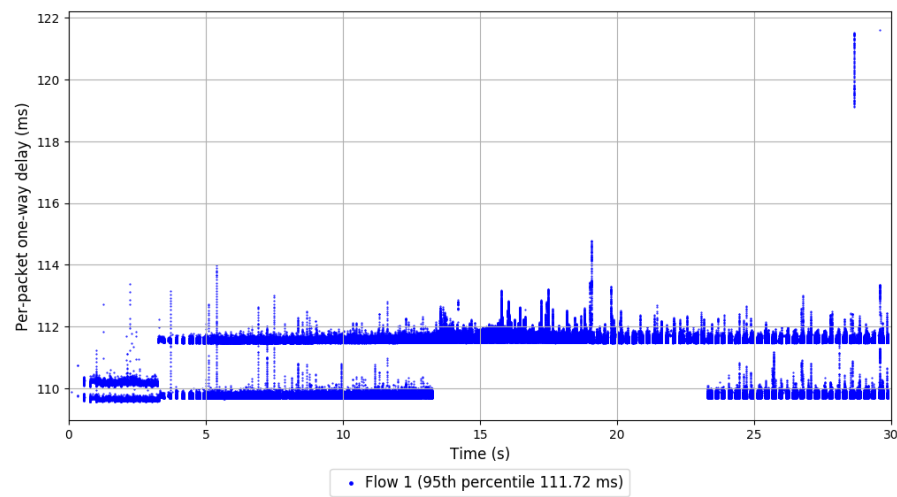
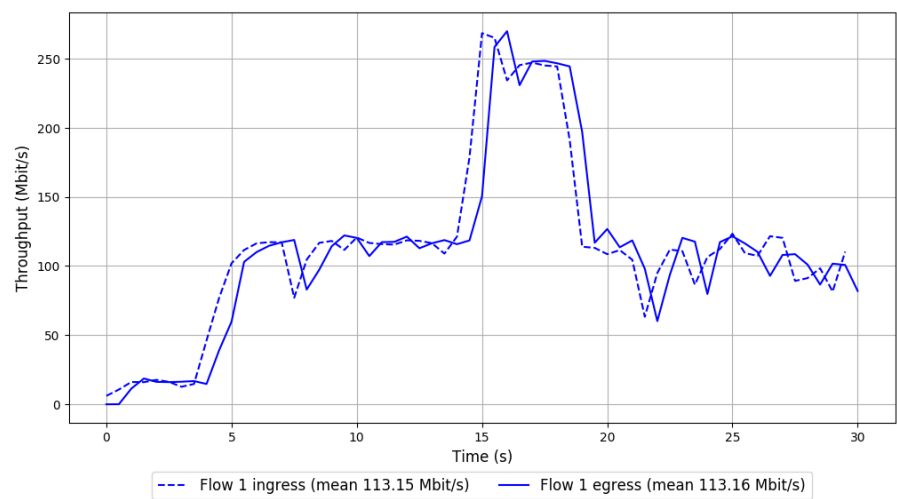
-- Flow 1:

Average throughput: 113.16 Mbit/s

95th percentile per-packet one-way delay: 111.722 ms

Loss rate: 0.69%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 09:32:28

End at: 2018-07-10 09:32:58

Local clock offset: -0.199 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-10 12:51:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.23 Mbit/s

95th percentile per-packet one-way delay: 112.383 ms

Loss rate: 3.19%

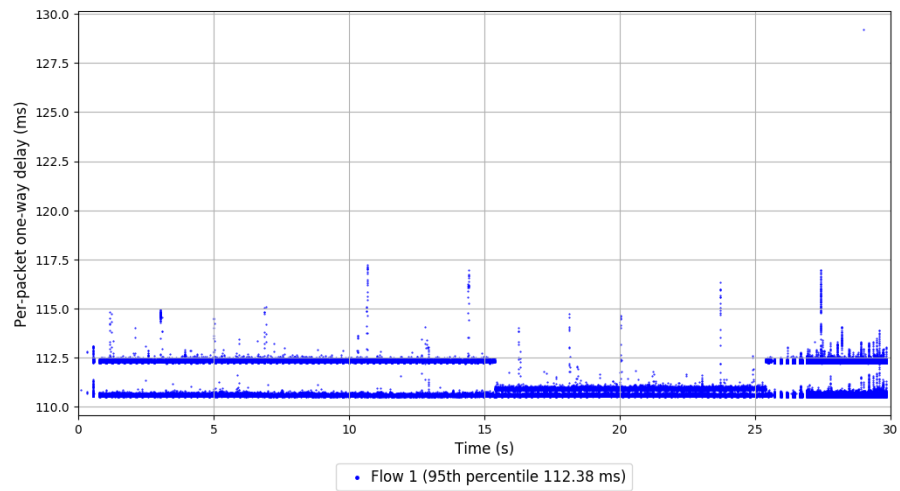
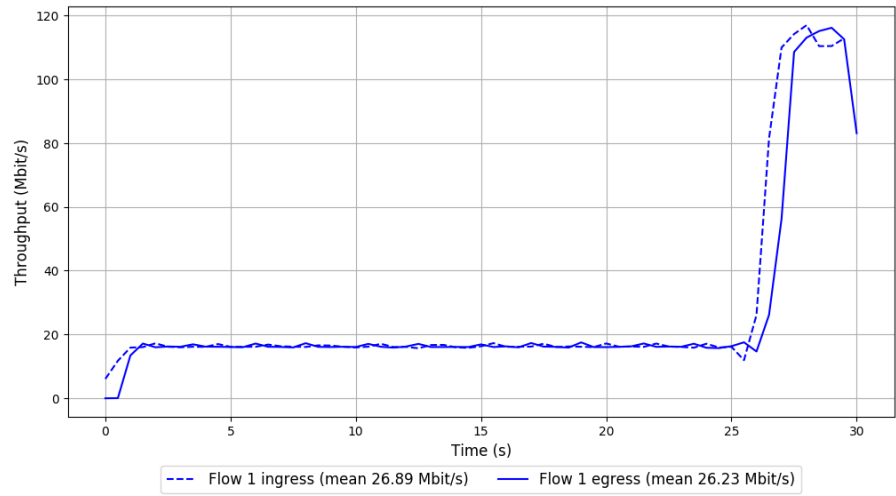
-- Flow 1:

Average throughput: 26.23 Mbit/s

95th percentile per-packet one-way delay: 112.383 ms

Loss rate: 3.19%

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

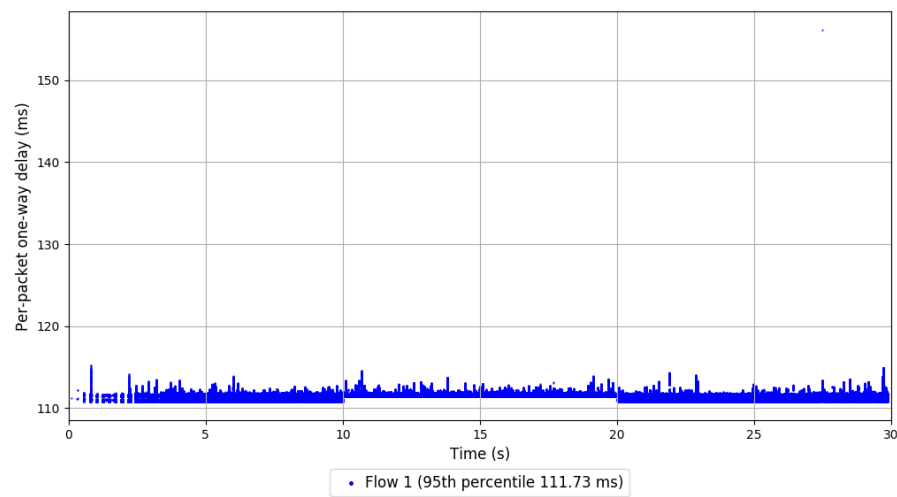
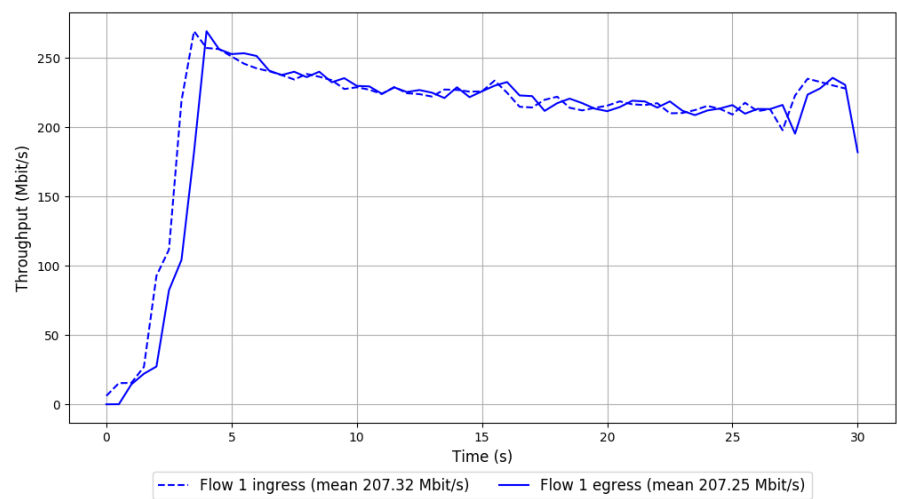


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-10 09:54:53
End at: 2018-07-10 09:55:23
Local clock offset: -0.048 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-10 12:52:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.25 Mbit/s
95th percentile per-packet one-way delay: 111.728 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 207.25 Mbit/s
95th percentile per-packet one-way delay: 111.728 ms
Loss rate: 0.78%

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

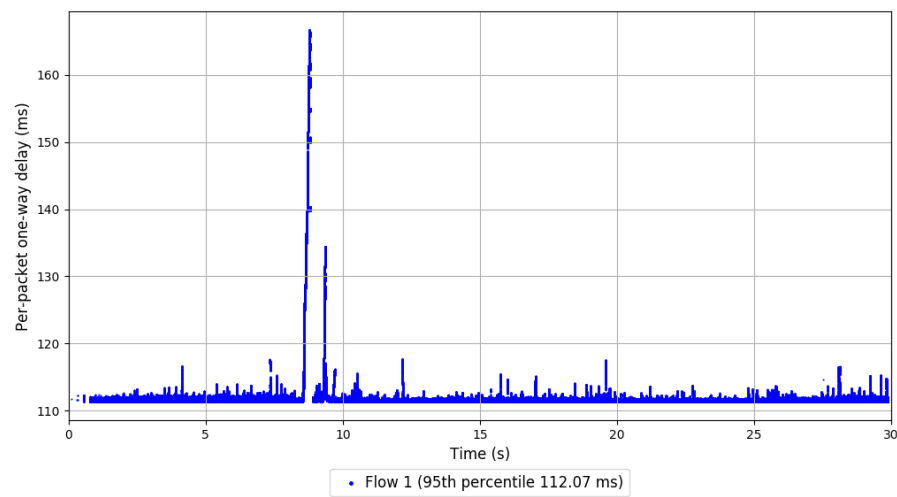
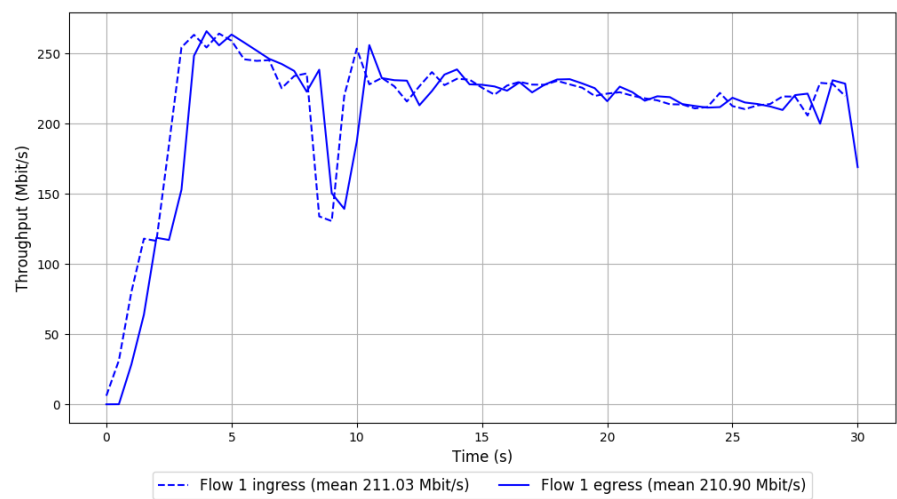


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 10:17:55
End at: 2018-07-10 10:18:25
Local clock offset: 0.987 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-10 12:53:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.90 Mbit/s
95th percentile per-packet one-way delay: 112.072 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 210.90 Mbit/s
95th percentile per-packet one-way delay: 112.072 ms
Loss rate: 0.80%

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

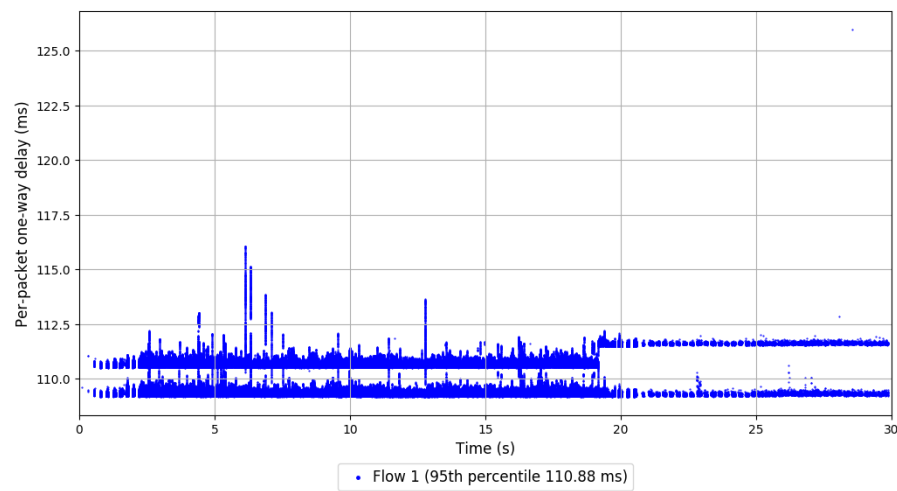
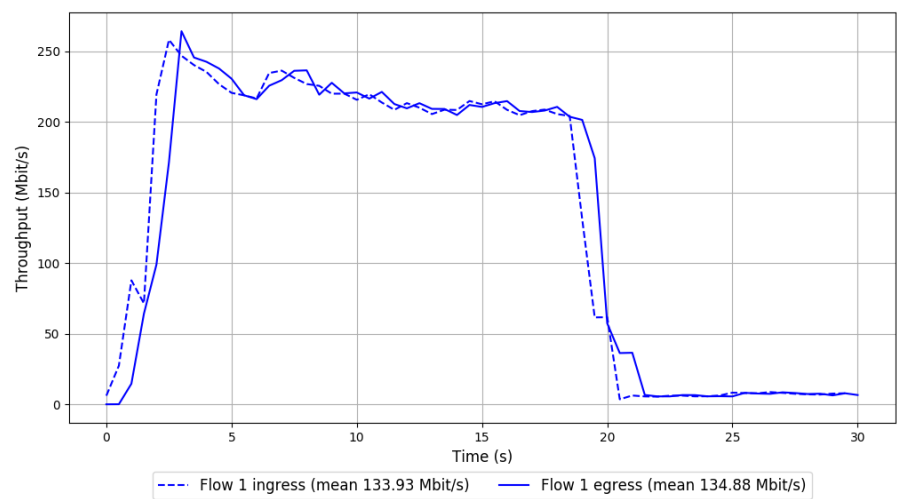


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 10:40:24
End at: 2018-07-10 10:40:54
Local clock offset: -0.251 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-10 12:53:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.88 Mbit/s
95th percentile per-packet one-way delay: 110.882 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 134.88 Mbit/s
95th percentile per-packet one-way delay: 110.882 ms
Loss rate: 0.04%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-10 11:02:32

End at: 2018-07-10 11:03:02

Local clock offset: -1.425 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-07-10 12:56:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.75 Mbit/s

95th percentile per-packet one-way delay: 109.729 ms

Loss rate: 0.65%

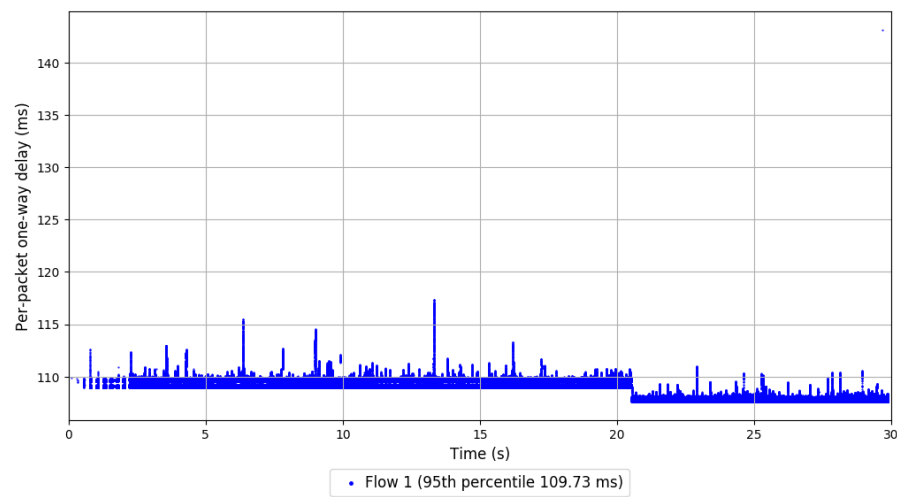
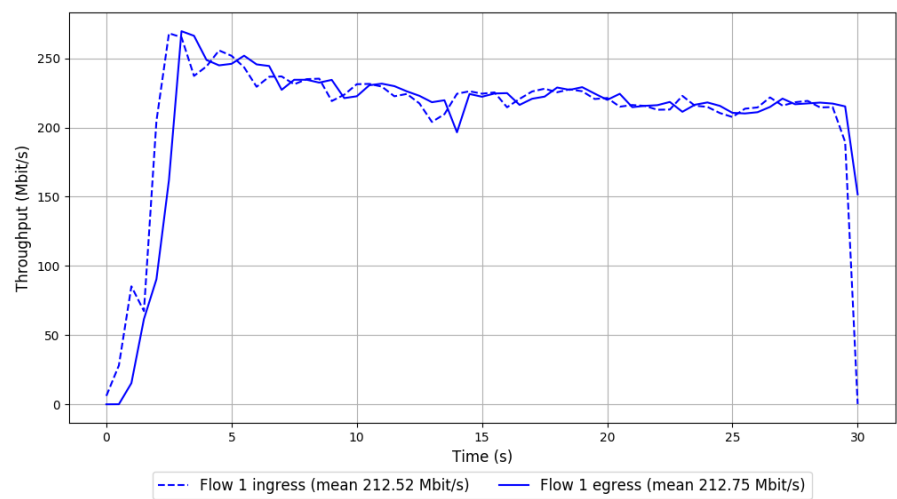
-- Flow 1:

Average throughput: 212.75 Mbit/s

95th percentile per-packet one-way delay: 109.729 ms

Loss rate: 0.65%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-10 11:24:51

End at: 2018-07-10 11:25:21

Local clock offset: 0.174 ms

Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-10 12:56:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.63 Mbit/s

95th percentile per-packet one-way delay: 112.040 ms

Loss rate: 0.29%

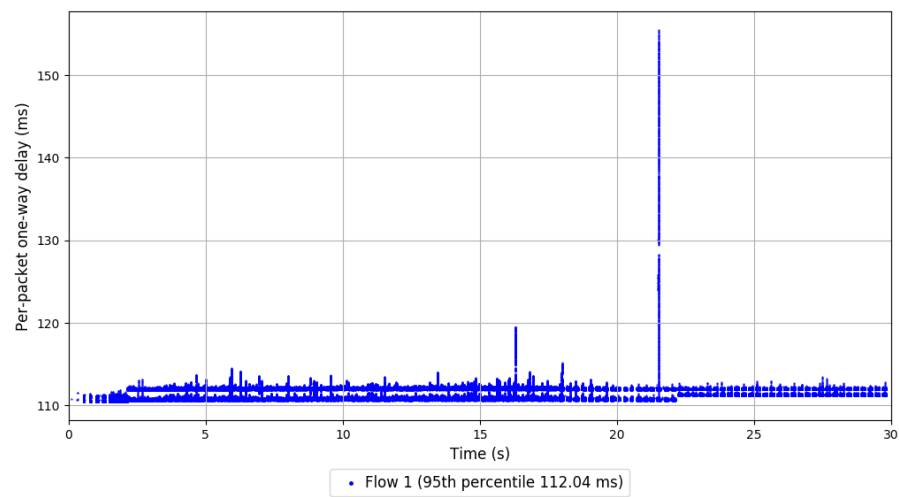
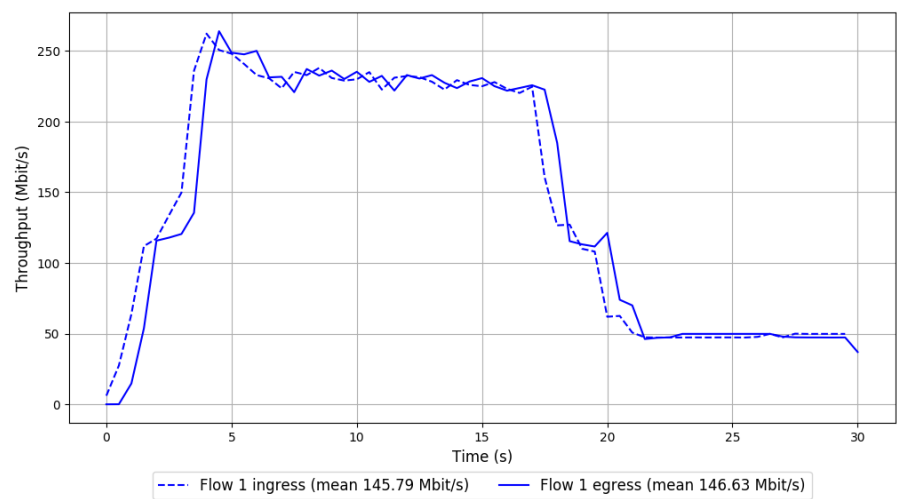
-- Flow 1:

Average throughput: 146.63 Mbit/s

95th percentile per-packet one-way delay: 112.040 ms

Loss rate: 0.29%

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

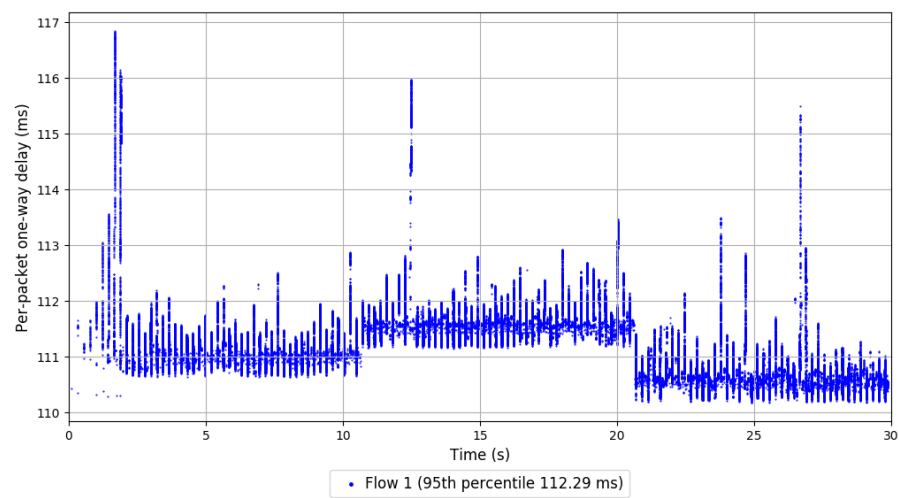
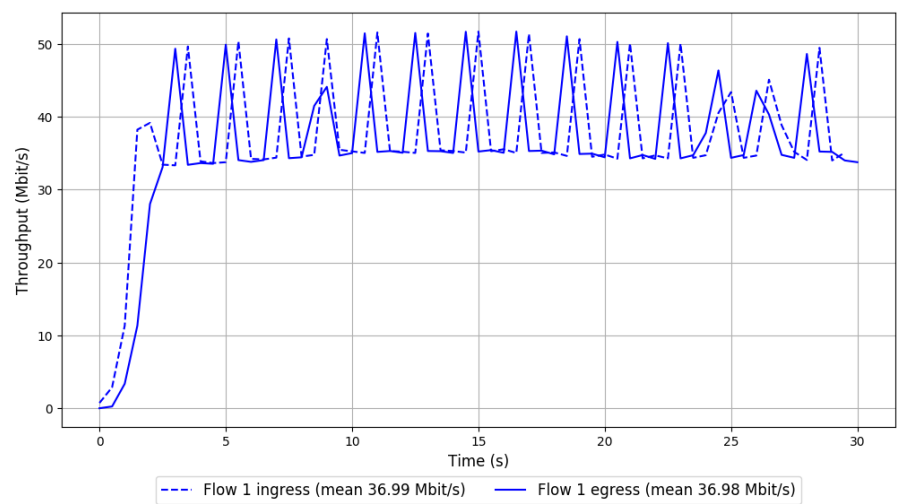


Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 08:06:32
End at: 2018-07-10 08:07:02
Local clock offset: -0.129 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-10 12:56:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 112.294 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 112.294 ms
Loss rate: 0.76%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 08:28:19

End at: 2018-07-10 08:28:49

Local clock offset: 1.223 ms

Remote clock offset: 0.369 ms

Below is generated by plot.py at 2018-07-10 12:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.48 Mbit/s

95th percentile per-packet one-way delay: 129.214 ms

Loss rate: 0.88%

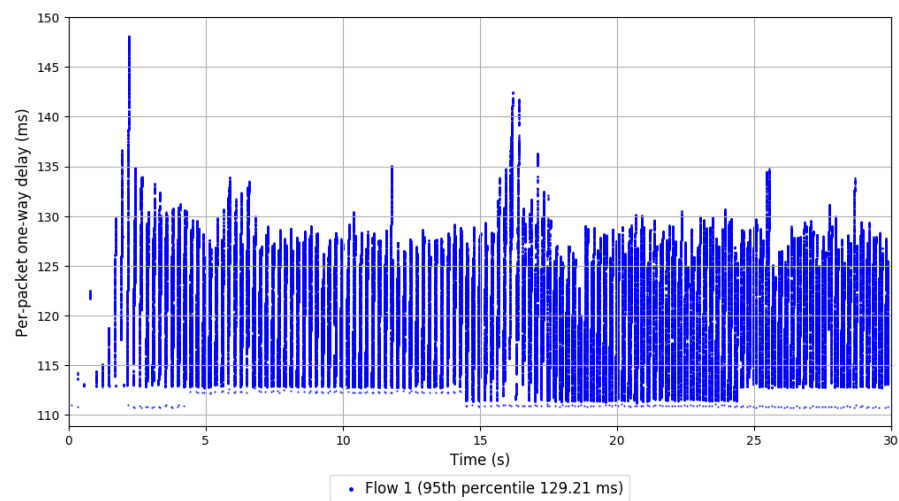
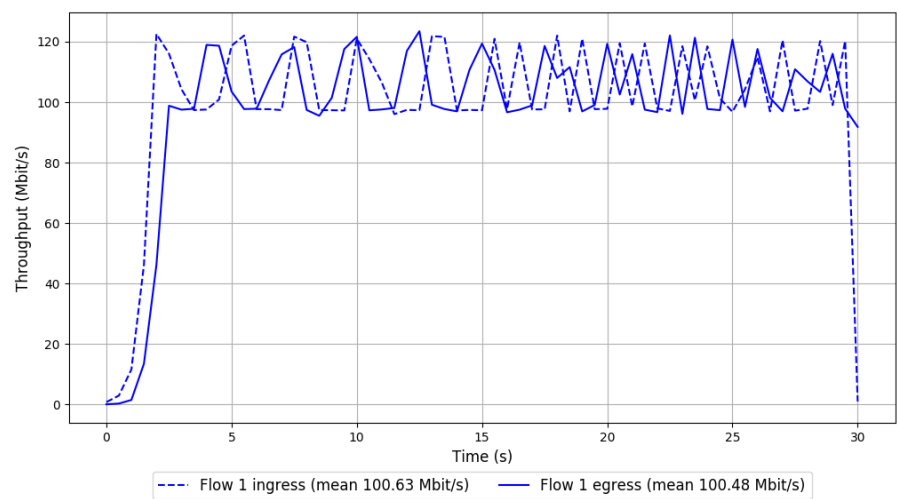
-- Flow 1:

Average throughput: 100.48 Mbit/s

95th percentile per-packet one-way delay: 129.214 ms

Loss rate: 0.88%

Run 2: Report of TCP Vegas — Data Link

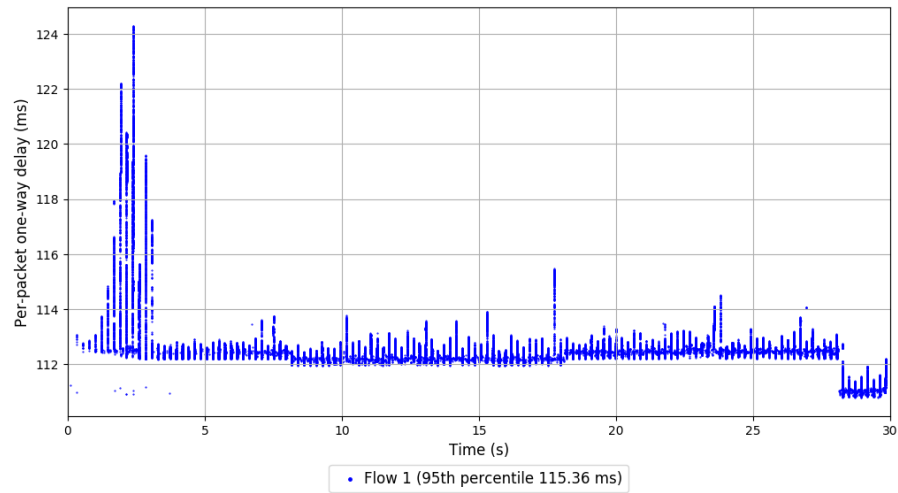
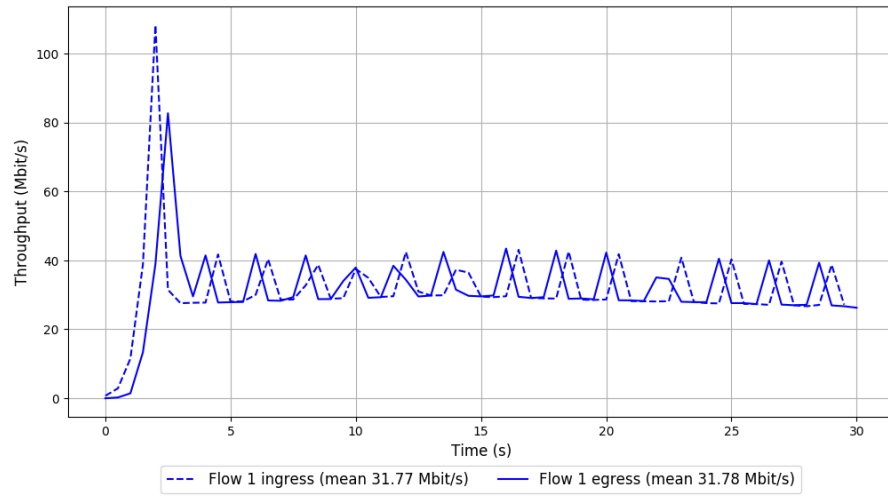


Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 08:51:15
End at: 2018-07-10 08:51:45
Local clock offset: -0.137 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-10 12:56:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 115.356 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 115.356 ms
Loss rate: 0.70%

Run 3: Report of TCP Vegas — Data Link

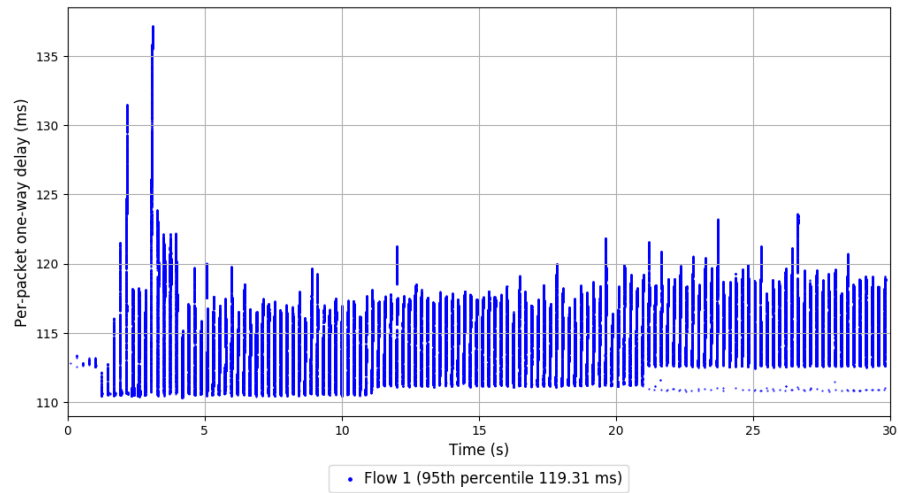
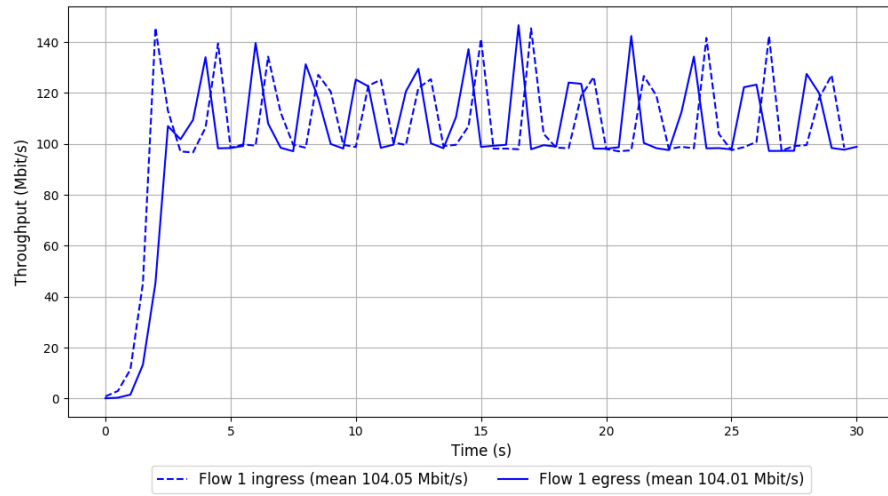


Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 09:13:42
End at: 2018-07-10 09:14:12
Local clock offset: -0.019 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-10 12:56:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.01 Mbit/s
95th percentile per-packet one-way delay: 119.310 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 104.01 Mbit/s
95th percentile per-packet one-way delay: 119.310 ms
Loss rate: 0.78%

Run 4: Report of TCP Vegas — Data Link

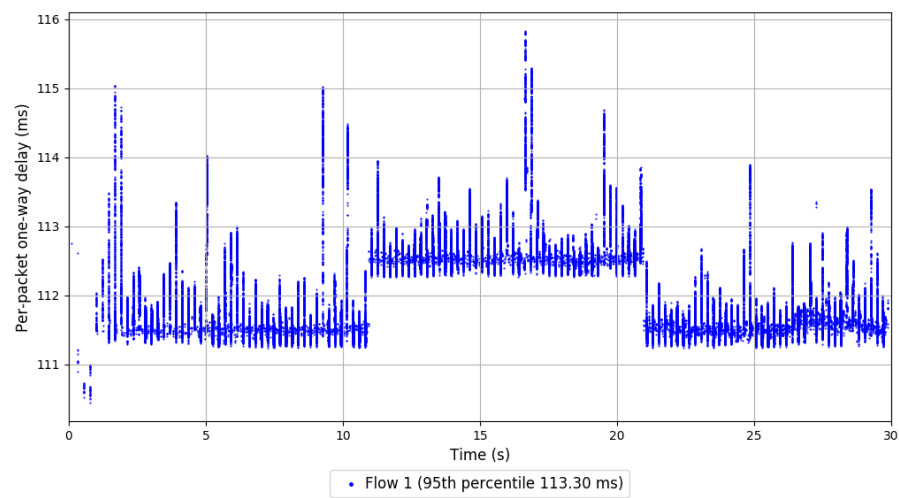
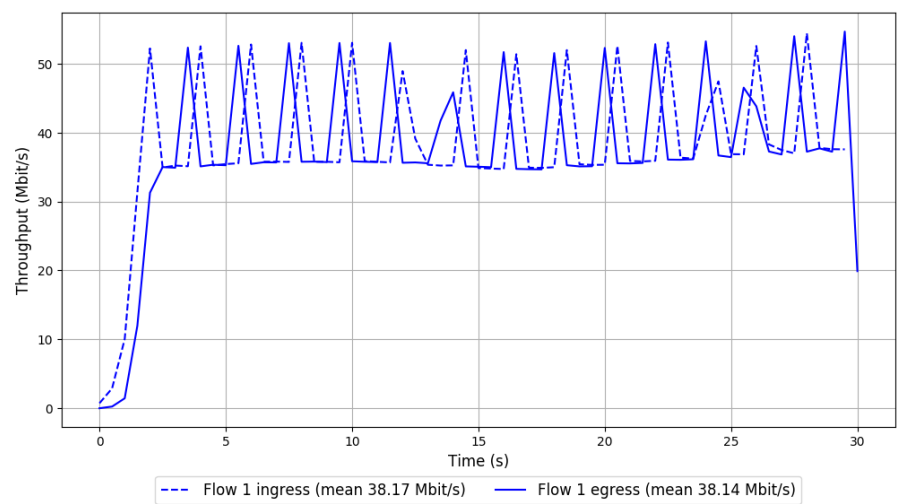


Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 09:36:12
End at: 2018-07-10 09:36:42
Local clock offset: -0.212 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-10 12:56:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 113.301 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 113.301 ms
Loss rate: 0.82%

Run 5: Report of TCP Vegas — Data Link

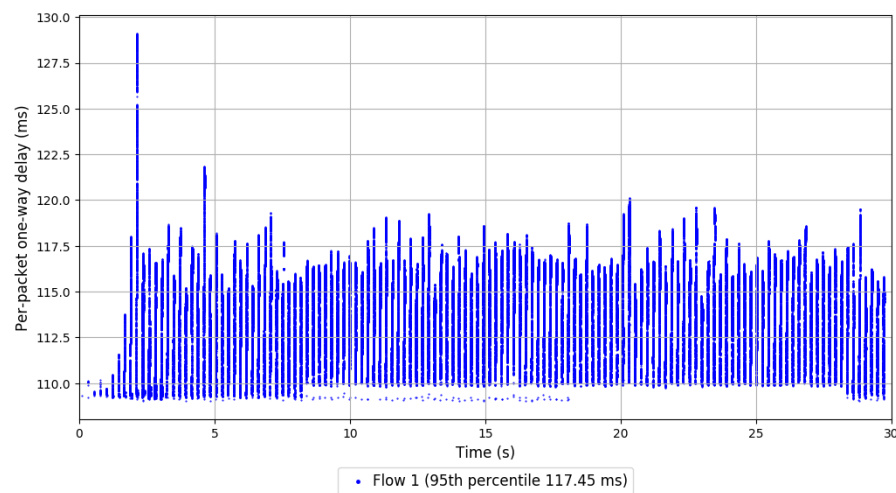
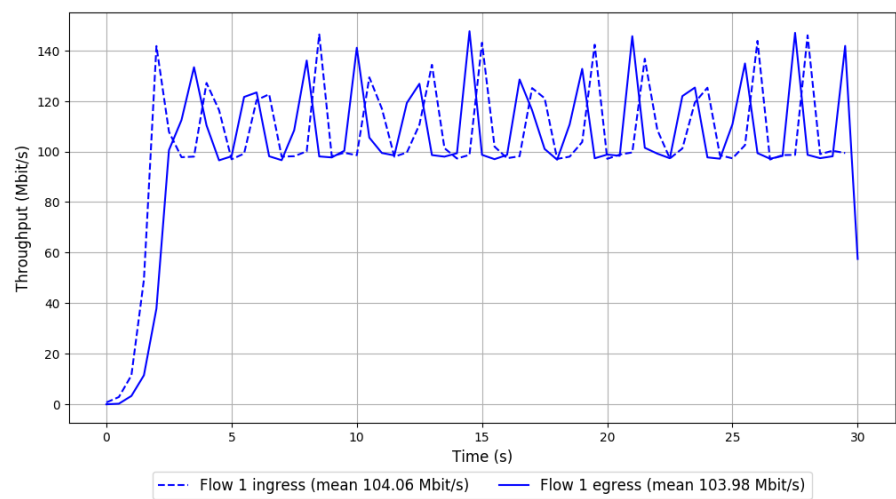


Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 09:58:55
End at: 2018-07-10 09:59:25
Local clock offset: -1.357 ms
Remote clock offset: 0.304 ms

Below is generated by plot.py at 2018-07-10 12:56:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.98 Mbit/s
95th percentile per-packet one-way delay: 117.446 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 103.98 Mbit/s
95th percentile per-packet one-way delay: 117.446 ms
Loss rate: 0.80%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 10:21:57

End at: 2018-07-10 10:22:27

Local clock offset: -1.589 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-10 12:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.51 Mbit/s

95th percentile per-packet one-way delay: 113.048 ms

Loss rate: 0.67%

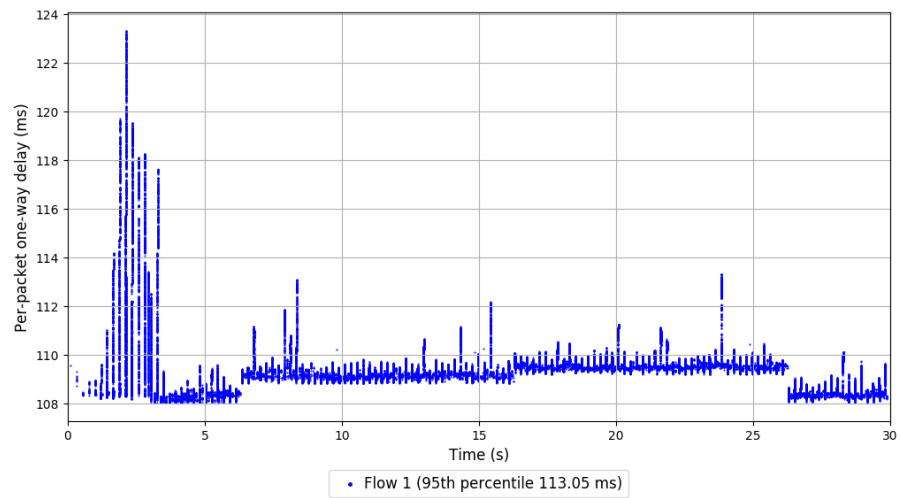
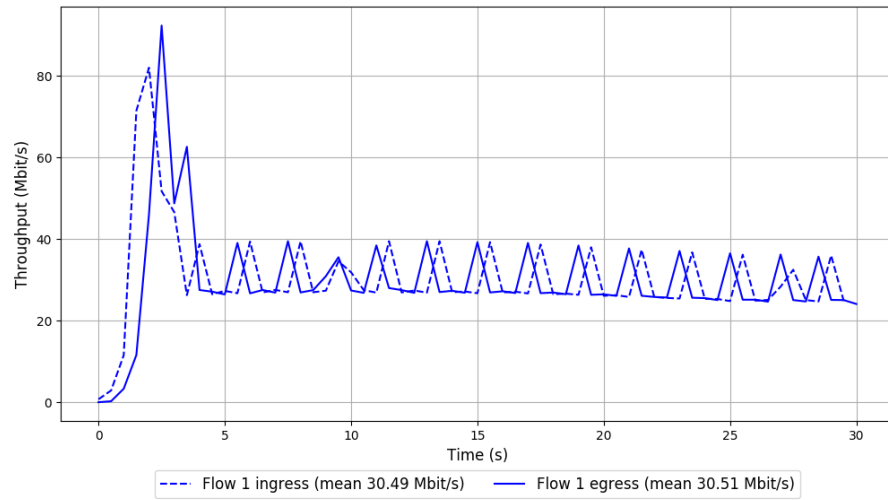
-- Flow 1:

Average throughput: 30.51 Mbit/s

95th percentile per-packet one-way delay: 113.048 ms

Loss rate: 0.67%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 10:44:17

End at: 2018-07-10 10:44:47

Local clock offset: 0.033 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2018-07-10 12:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.25 Mbit/s

95th percentile per-packet one-way delay: 111.785 ms

Loss rate: 0.78%

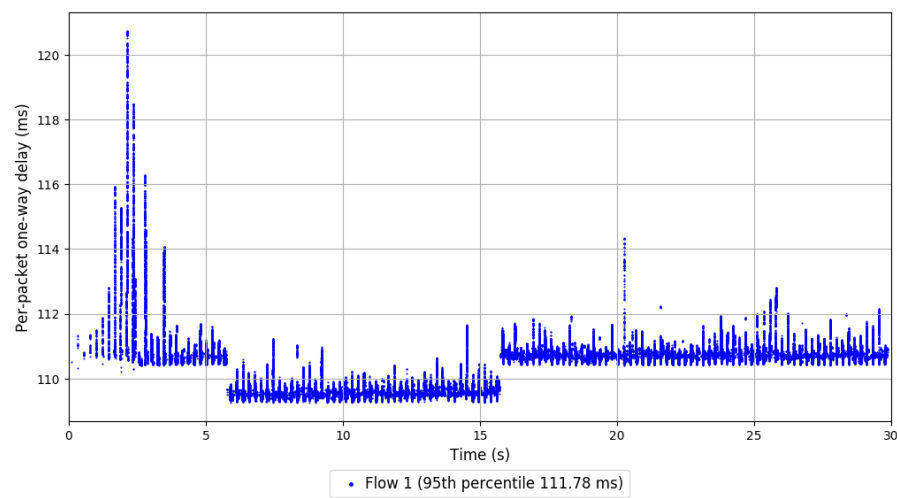
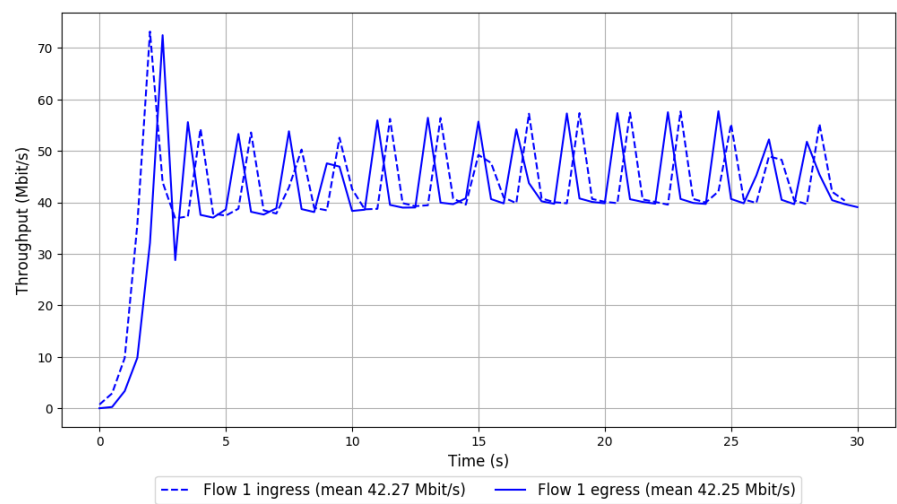
-- Flow 1:

Average throughput: 42.25 Mbit/s

95th percentile per-packet one-way delay: 111.785 ms

Loss rate: 0.78%

Run 8: Report of TCP Vegas — Data Link

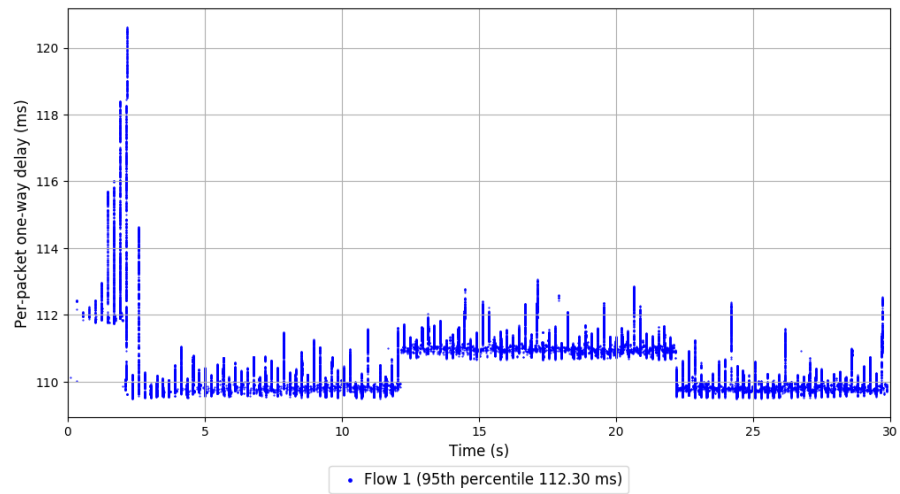
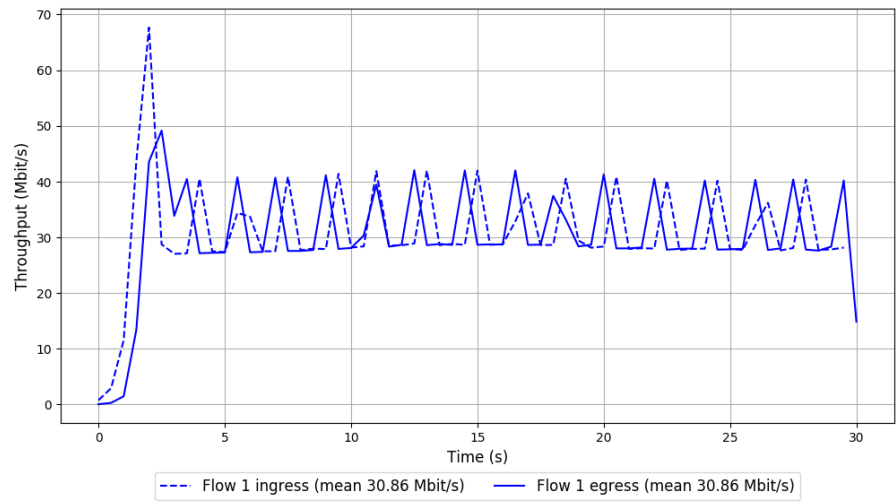


Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 11:06:31
End at: 2018-07-10 11:07:01
Local clock offset: -0.095 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-10 12:56:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 112.295 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 112.295 ms
Loss rate: 0.74%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 11:28:46

End at: 2018-07-10 11:29:16

Local clock offset: 1.238 ms

Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-10 12:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.65 Mbit/s

95th percentile per-packet one-way delay: 114.250 ms

Loss rate: 0.77%

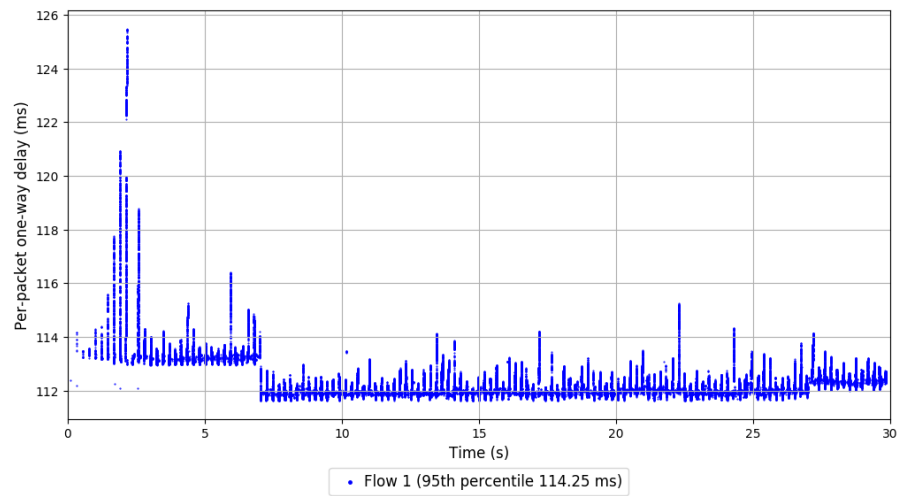
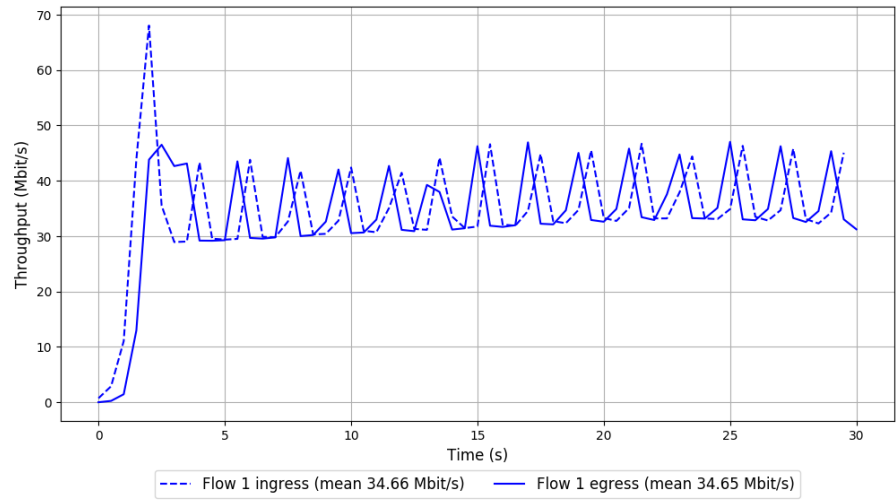
-- Flow 1:

Average throughput: 34.65 Mbit/s

95th percentile per-packet one-way delay: 114.250 ms

Loss rate: 0.77%

Run 10: Report of TCP Vegas — Data Link

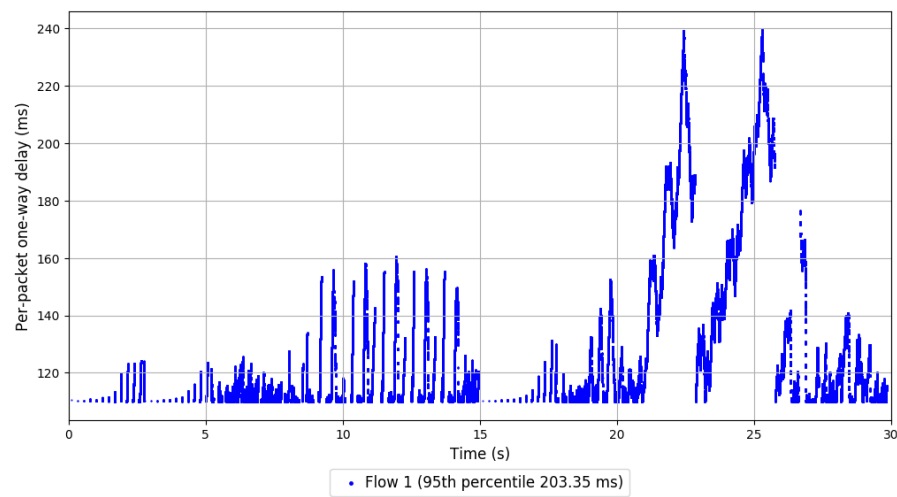
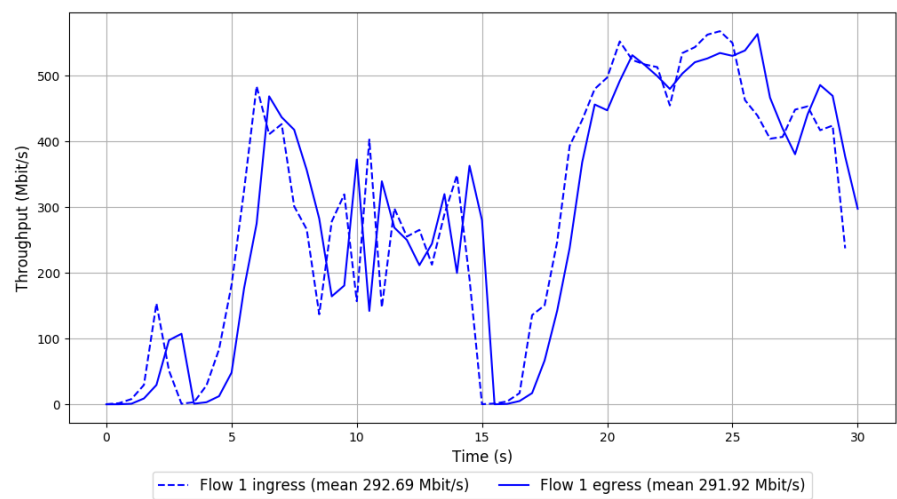


Run 1: Statistics of Verus

Start at: 2018-07-10 08:09:25
End at: 2018-07-10 08:09:55
Local clock offset: -1.414 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-10 12:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.92 Mbit/s
95th percentile per-packet one-way delay: 203.353 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 291.92 Mbit/s
95th percentile per-packet one-way delay: 203.353 ms
Loss rate: 0.33%

Run 1: Report of Verus — Data Link

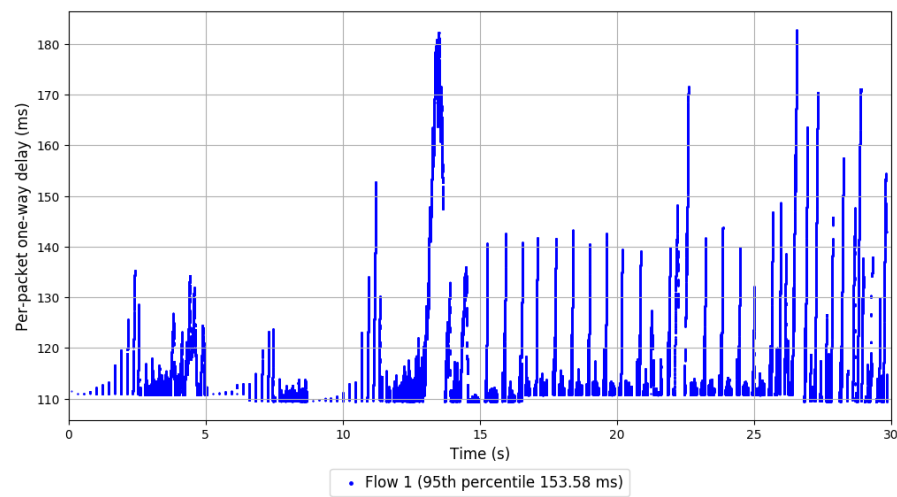
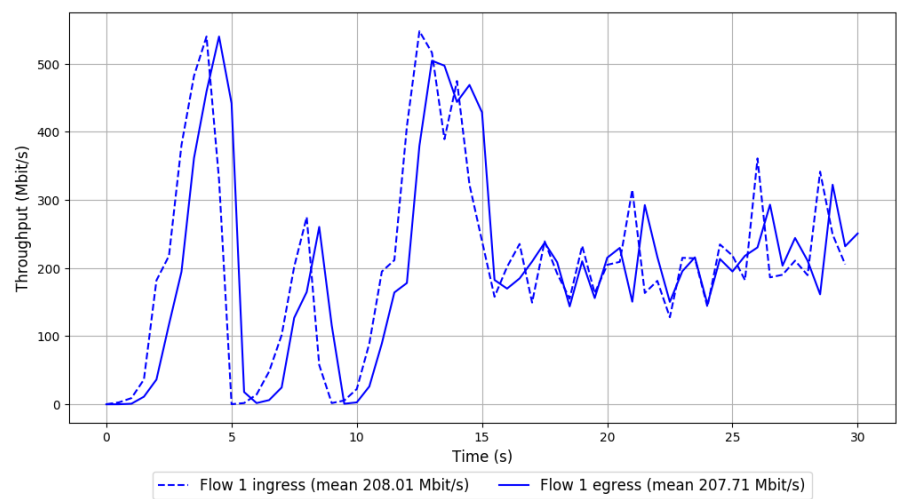


Run 2: Statistics of Verus

Start at: 2018-07-10 08:31:16
End at: 2018-07-10 08:31:46
Local clock offset: -1.344 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-07-10 12:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.71 Mbit/s
95th percentile per-packet one-way delay: 153.576 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 207.71 Mbit/s
95th percentile per-packet one-way delay: 153.576 ms
Loss rate: 0.16%

Run 2: Report of Verus — Data Link

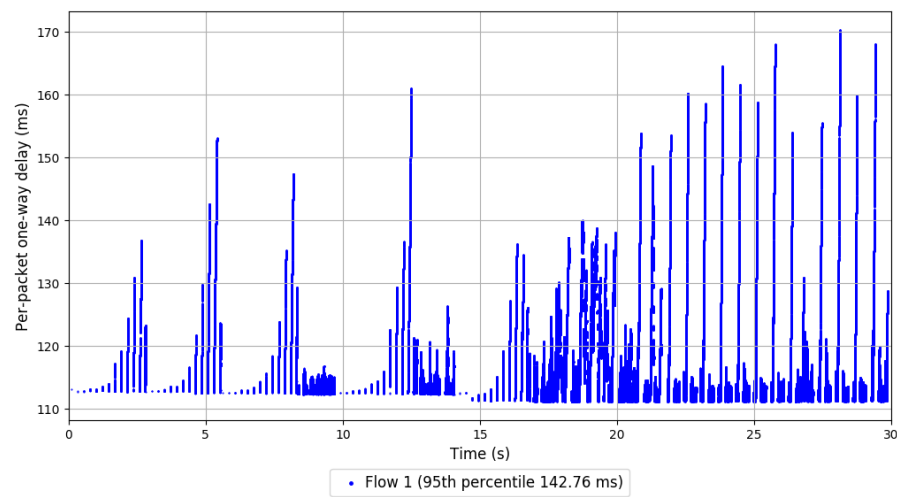
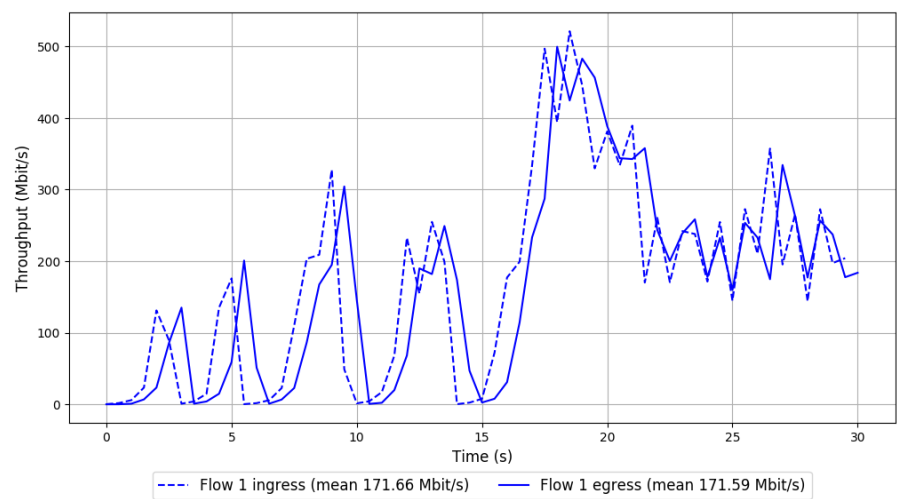


Run 3: Statistics of Verus

Start at: 2018-07-10 08:53:58
End at: 2018-07-10 08:54:28
Local clock offset: -0.183 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-07-10 12:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.59 Mbit/s
95th percentile per-packet one-way delay: 142.756 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 171.59 Mbit/s
95th percentile per-packet one-way delay: 142.756 ms
Loss rate: 0.79%

Run 3: Report of Verus — Data Link

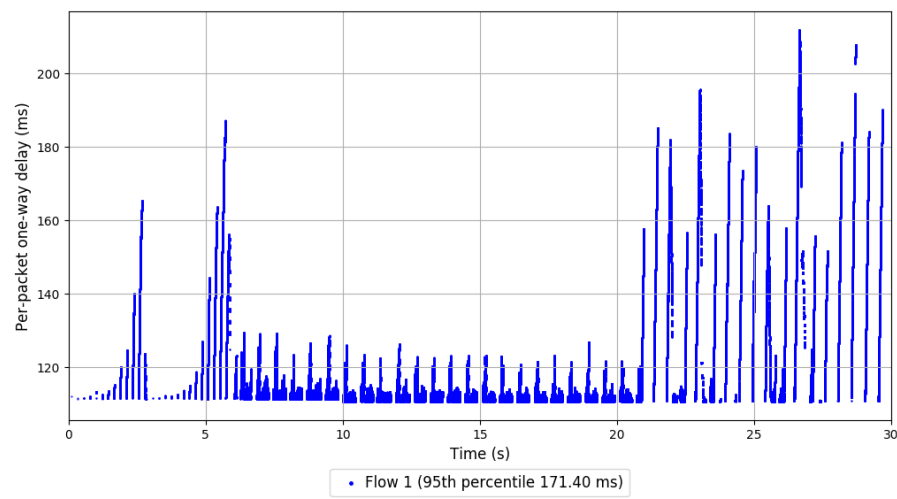
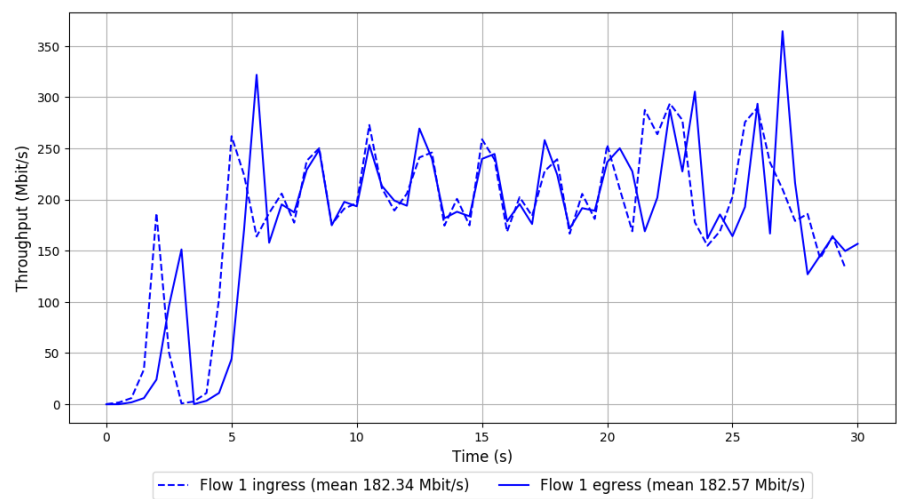


Run 4: Statistics of Verus

Start at: 2018-07-10 09:16:43
End at: 2018-07-10 09:17:13
Local clock offset: 0.151 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-10 12:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.57 Mbit/s
95th percentile per-packet one-way delay: 171.404 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 182.57 Mbit/s
95th percentile per-packet one-way delay: 171.404 ms
Loss rate: 1.22%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-10 09:39:01

End at: 2018-07-10 09:39:31

Local clock offset: -0.06 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-10 12:58:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.90 Mbit/s

95th percentile per-packet one-way delay: 147.598 ms

Loss rate: 0.75%

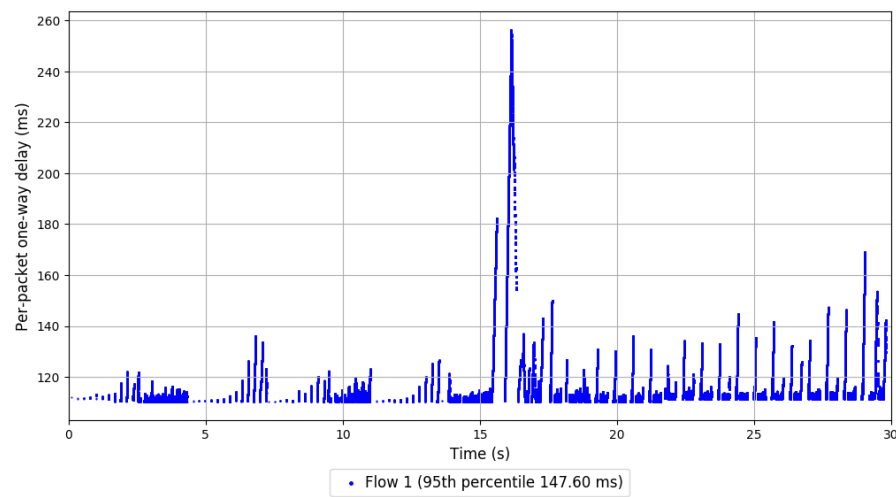
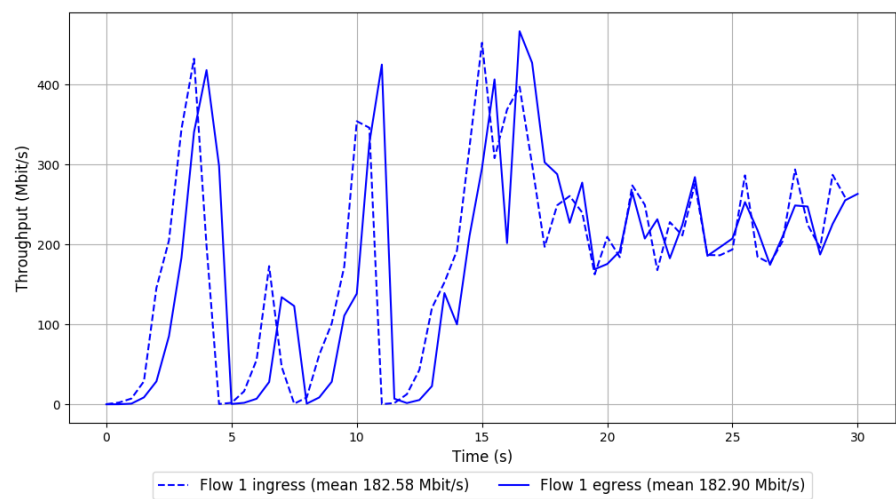
-- Flow 1:

Average throughput: 182.90 Mbit/s

95th percentile per-packet one-way delay: 147.598 ms

Loss rate: 0.75%

Run 5: Report of Verus — Data Link

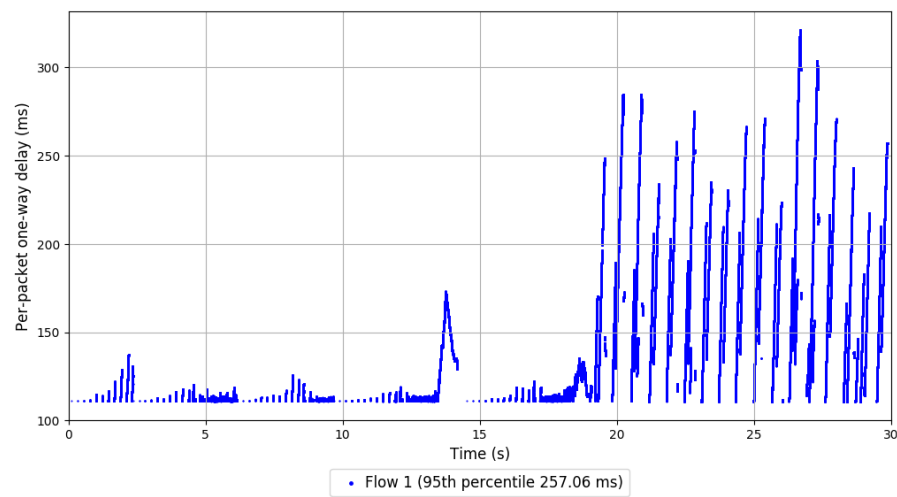
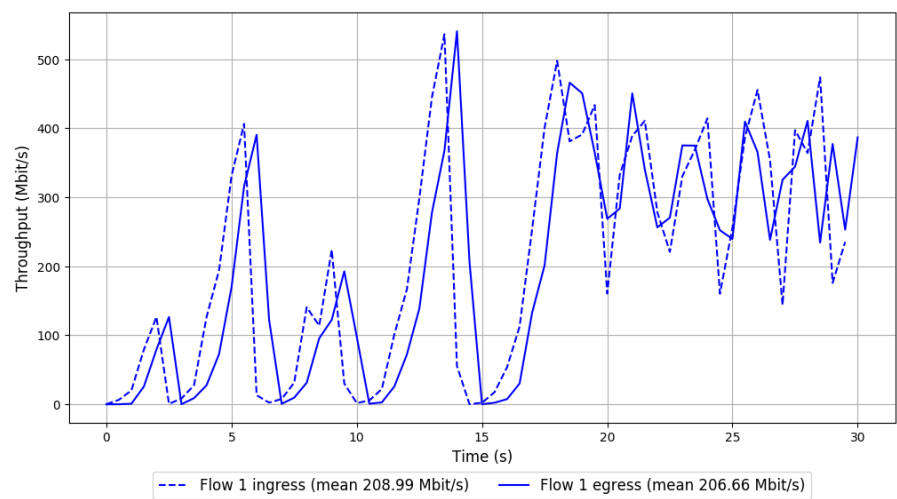


Run 6: Statistics of Verus

Start at: 2018-07-10 10:01:52
End at: 2018-07-10 10:02:22
Local clock offset: 0.163 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-10 12:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.66 Mbit/s
95th percentile per-packet one-way delay: 257.065 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 206.66 Mbit/s
95th percentile per-packet one-way delay: 257.065 ms
Loss rate: 0.63%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-10 10:24:25

End at: 2018-07-10 10:24:55

Local clock offset: -1.199 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-10 12:58:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.57 Mbit/s

95th percentile per-packet one-way delay: 168.439 ms

Loss rate: 1.07%

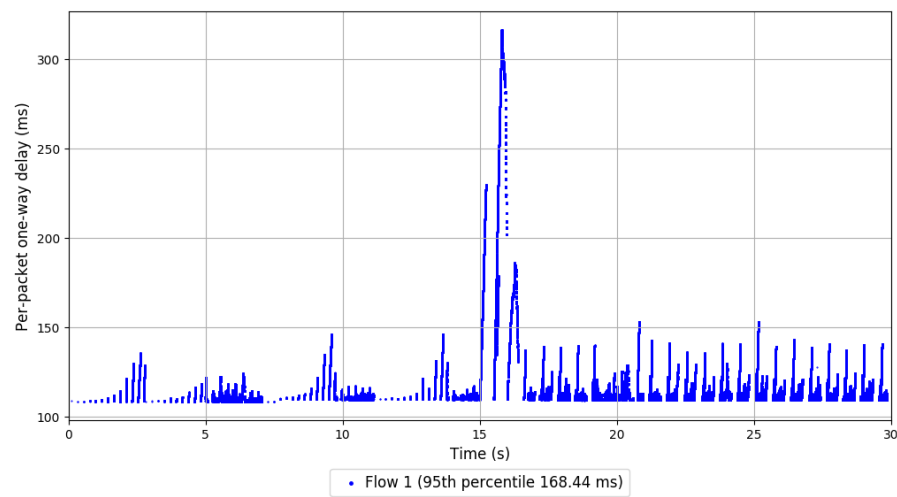
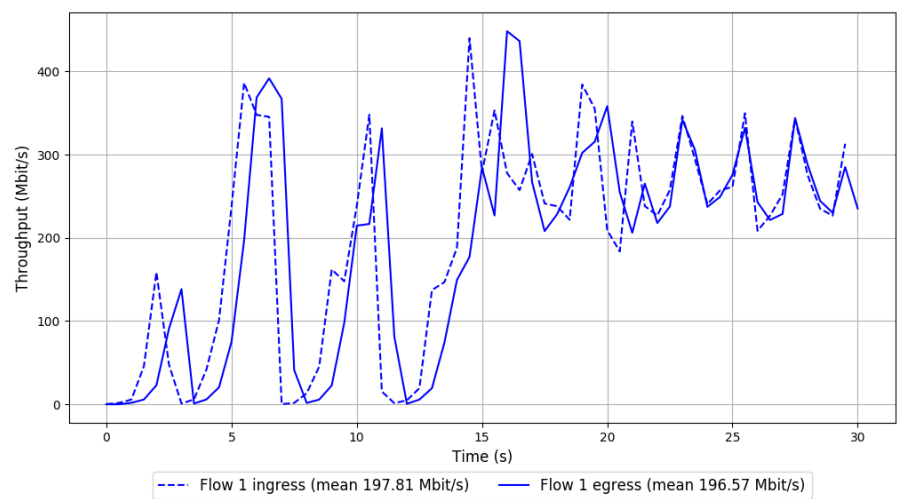
-- Flow 1:

Average throughput: 196.57 Mbit/s

95th percentile per-packet one-way delay: 168.439 ms

Loss rate: 1.07%

Run 7: Report of Verus — Data Link

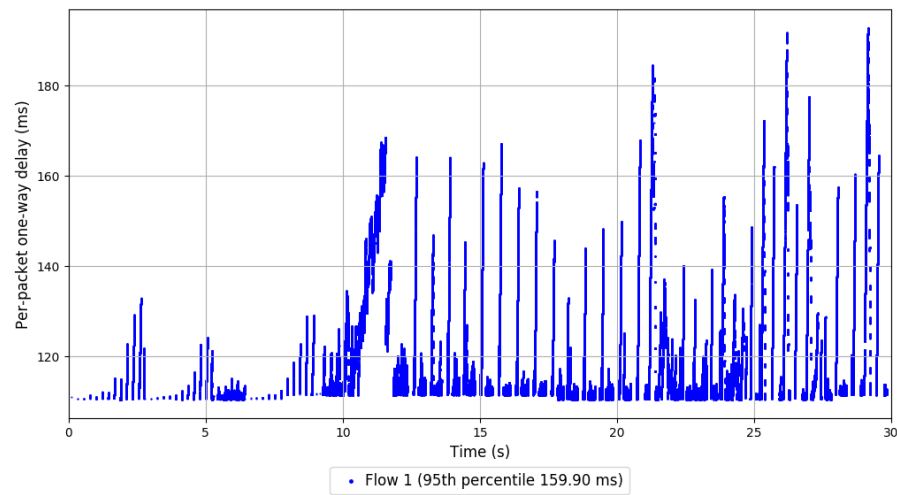
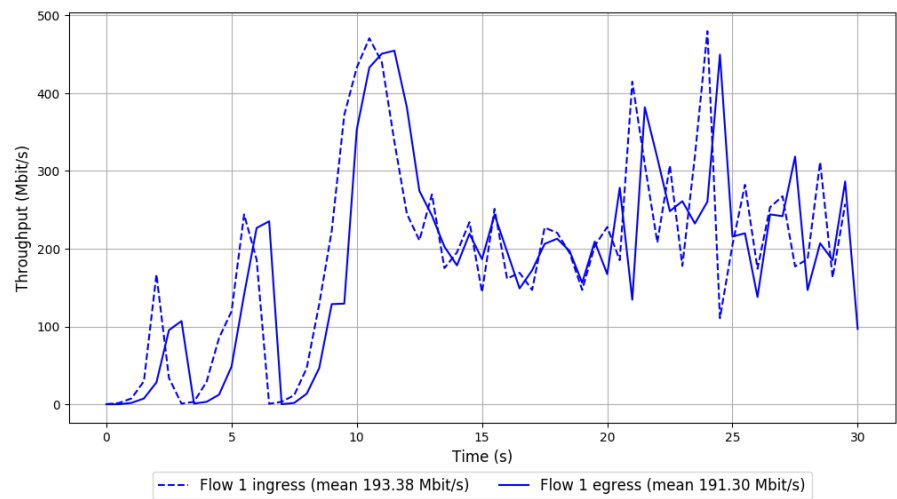


Run 8: Statistics of Verus

Start at: 2018-07-10 10:47:05
End at: 2018-07-10 10:47:35
Local clock offset: -0.303 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-10 12:59:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 159.904 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 159.904 ms
Loss rate: 1.80%

Run 8: Report of Verus — Data Link

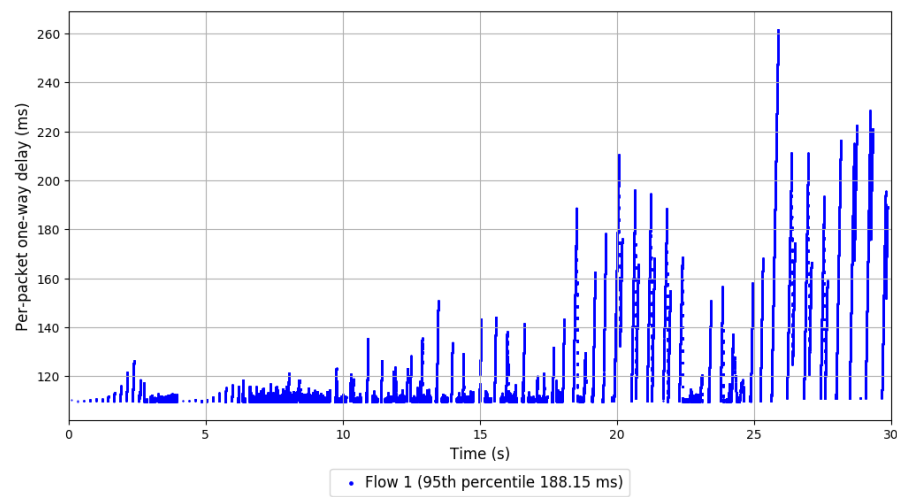
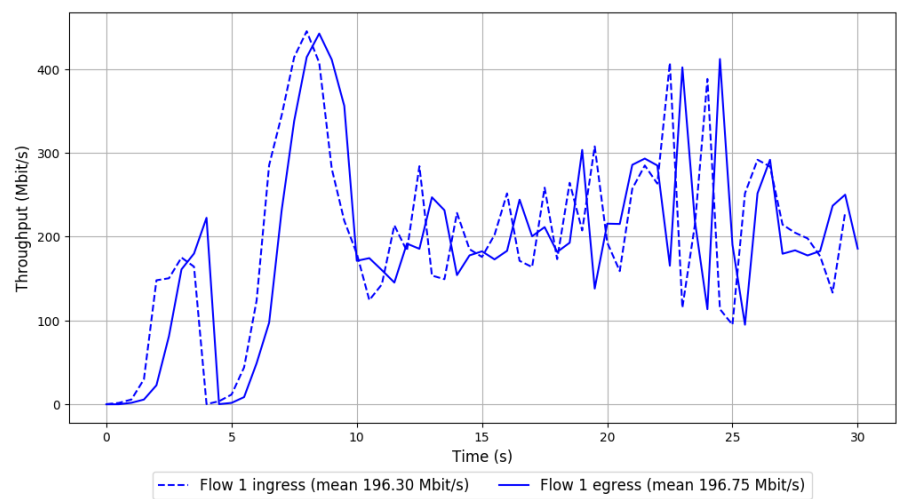


Run 9: Statistics of Verus

Start at: 2018-07-10 11:08:57
End at: 2018-07-10 11:09:27
Local clock offset: 0.03 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-10 12:59:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.75 Mbit/s
95th percentile per-packet one-way delay: 188.149 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 196.75 Mbit/s
95th percentile per-packet one-way delay: 188.149 ms
Loss rate: 0.37%

Run 9: Report of Verus — Data Link

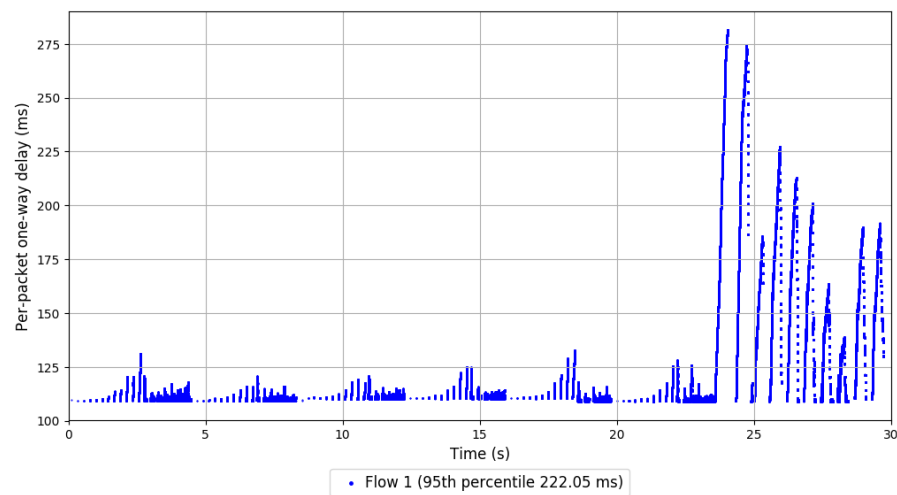
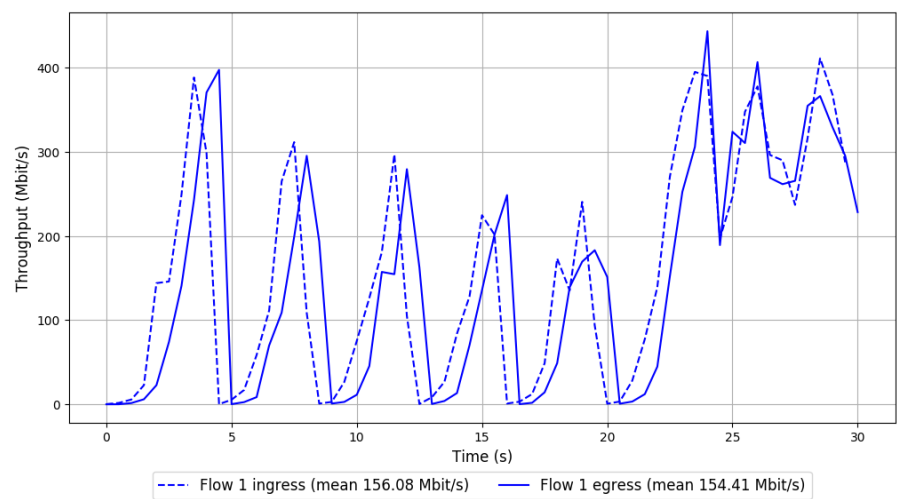


Run 10: Statistics of Verus

Start at: 2018-07-10 11:31:14
End at: 2018-07-10 11:31:44
Local clock offset: -1.538 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-10 12:59:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.41 Mbit/s
95th percentile per-packet one-way delay: 222.050 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 154.41 Mbit/s
95th percentile per-packet one-way delay: 222.050 ms
Loss rate: 2.28%

Run 10: Report of Verus — Data Link

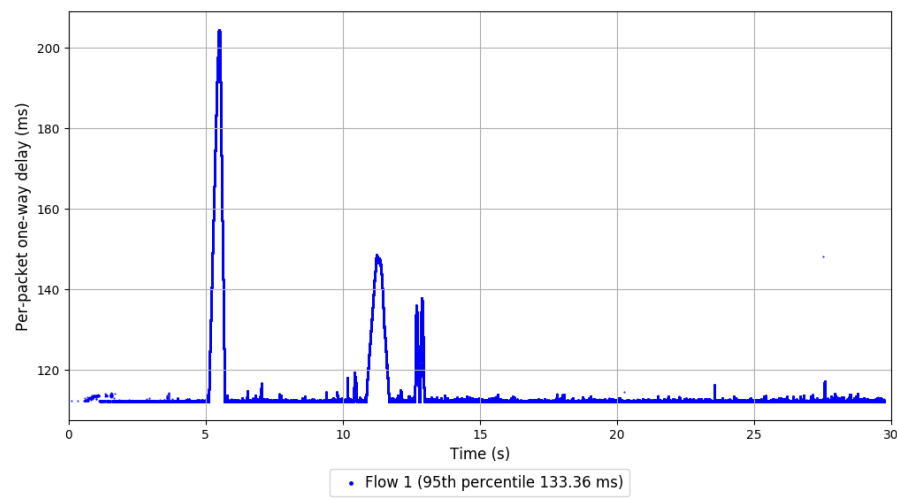
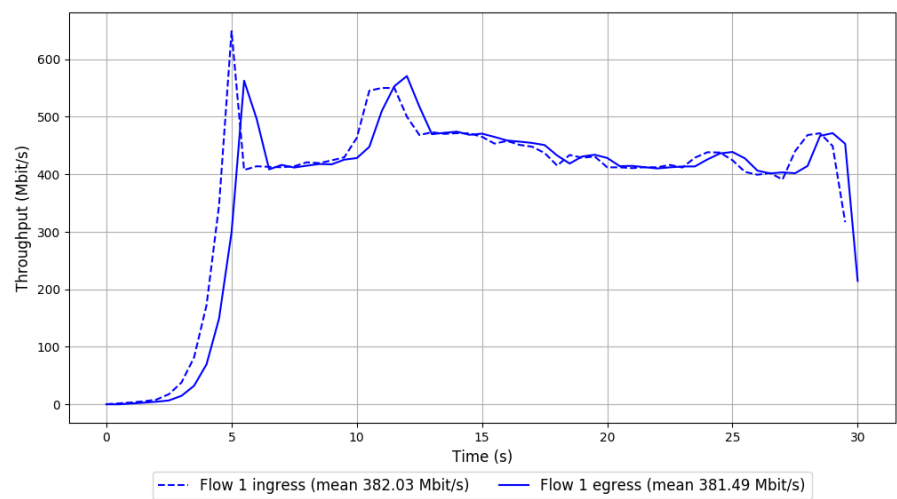


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 07:54:21
End at: 2018-07-10 07:54:51
Local clock offset: -0.218 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-10 13:03:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 381.49 Mbit/s
95th percentile per-packet one-way delay: 133.358 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 381.49 Mbit/s
95th percentile per-packet one-way delay: 133.358 ms
Loss rate: 0.89%

Run 1: Report of PCC-Vivace — Data Link

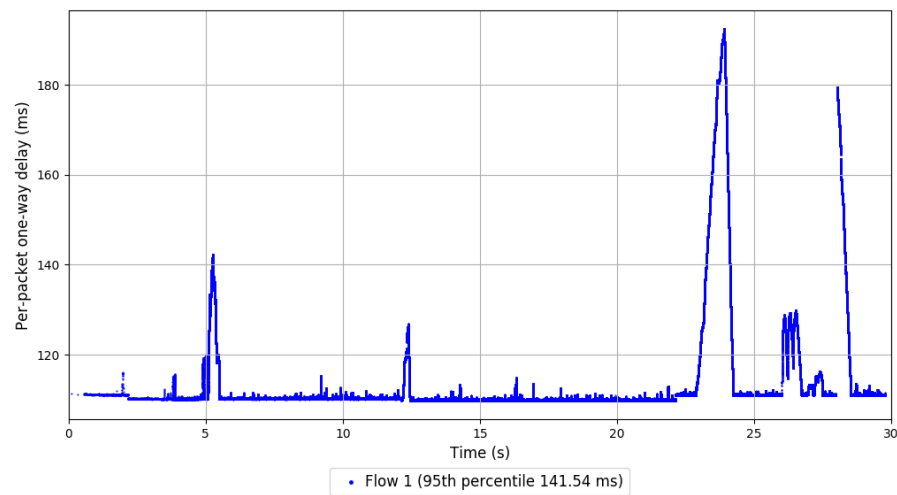
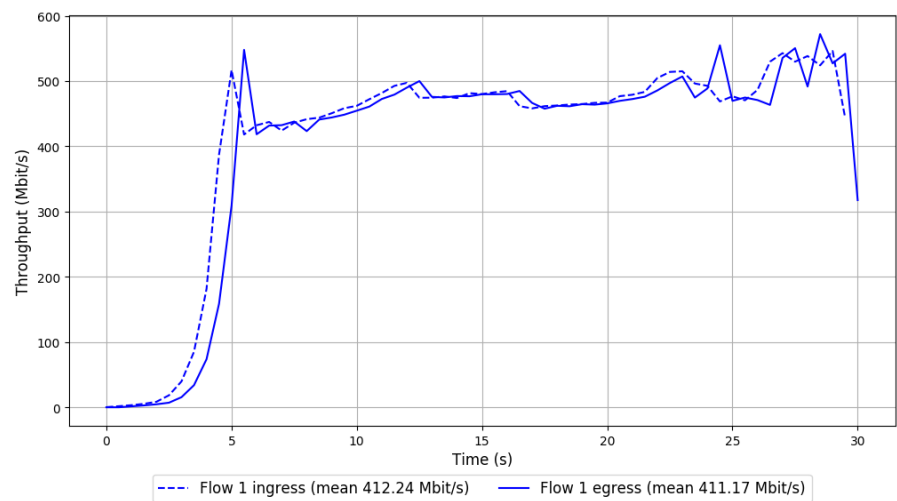


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 08:17:01
End at: 2018-07-10 08:17:31
Local clock offset: -1.299 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-10 13:03:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 411.17 Mbit/s
95th percentile per-packet one-way delay: 141.544 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 411.17 Mbit/s
95th percentile per-packet one-way delay: 141.544 ms
Loss rate: 1.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 08:38:59

End at: 2018-07-10 08:39:29

Local clock offset: 0.022 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-10 13:04:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 394.90 Mbit/s

95th percentile per-packet one-way delay: 113.597 ms

Loss rate: 1.29%

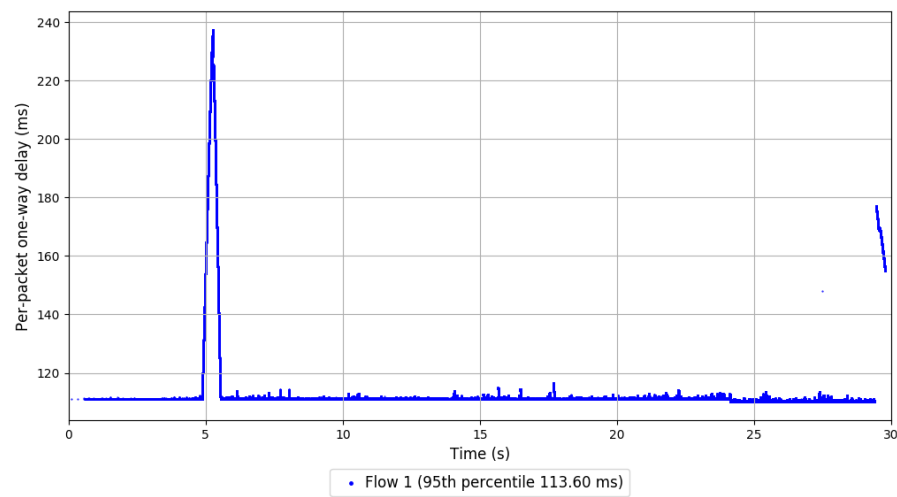
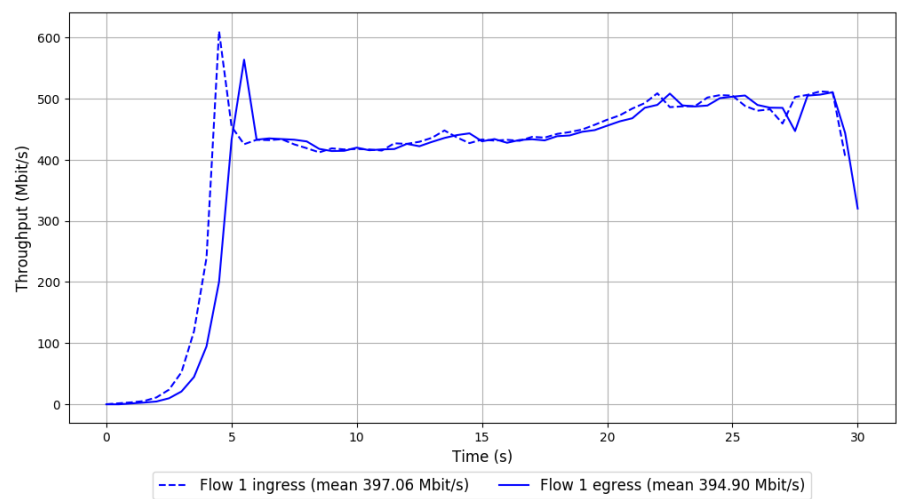
-- Flow 1:

Average throughput: 394.90 Mbit/s

95th percentile per-packet one-way delay: 113.597 ms

Loss rate: 1.29%

Run 3: Report of PCC-Vivace — Data Link

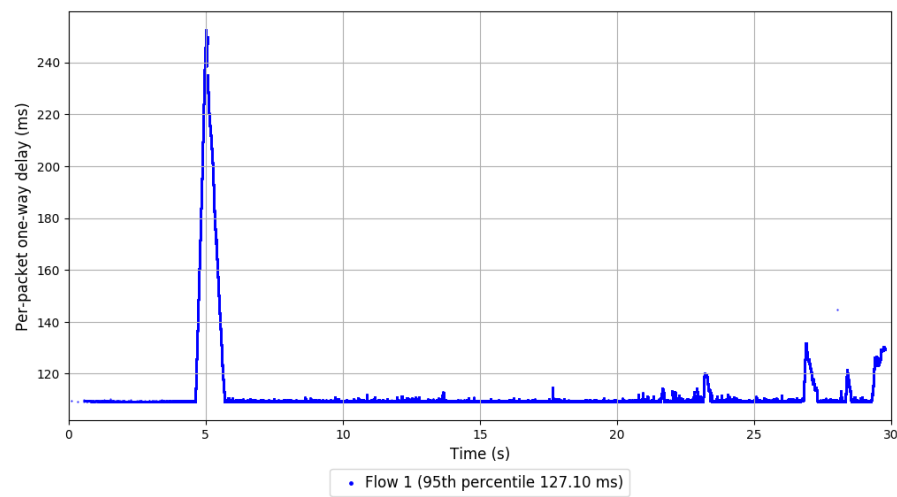
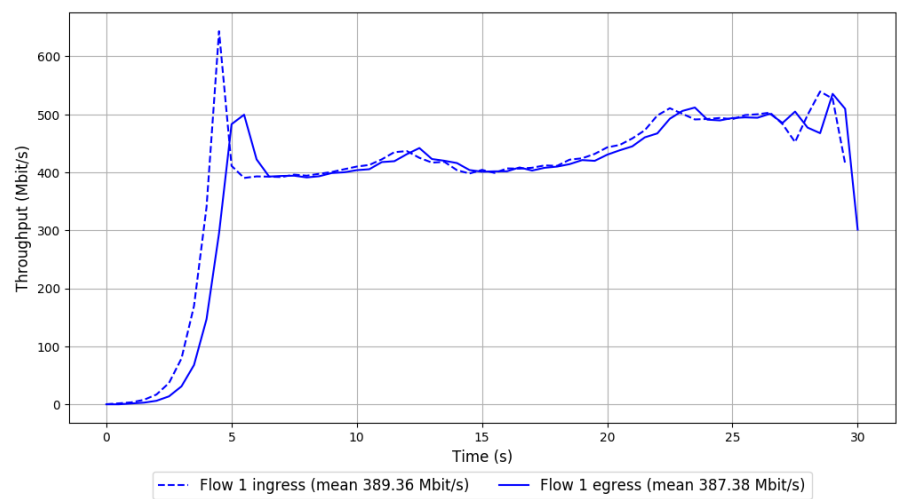


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 09:01:29
End at: 2018-07-10 09:01:59
Local clock offset: -1.521 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-10 13:04:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.38 Mbit/s
95th percentile per-packet one-way delay: 127.100 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 387.38 Mbit/s
95th percentile per-packet one-way delay: 127.100 ms
Loss rate: 1.25%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 09:24:13

End at: 2018-07-10 09:24:43

Local clock offset: -1.278 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-07-10 13:05:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 392.20 Mbit/s

95th percentile per-packet one-way delay: 112.996 ms

Loss rate: 0.89%

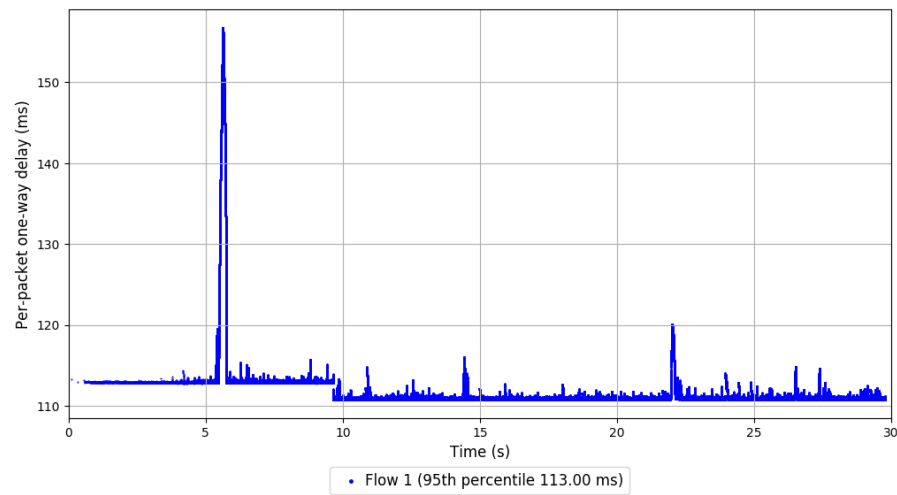
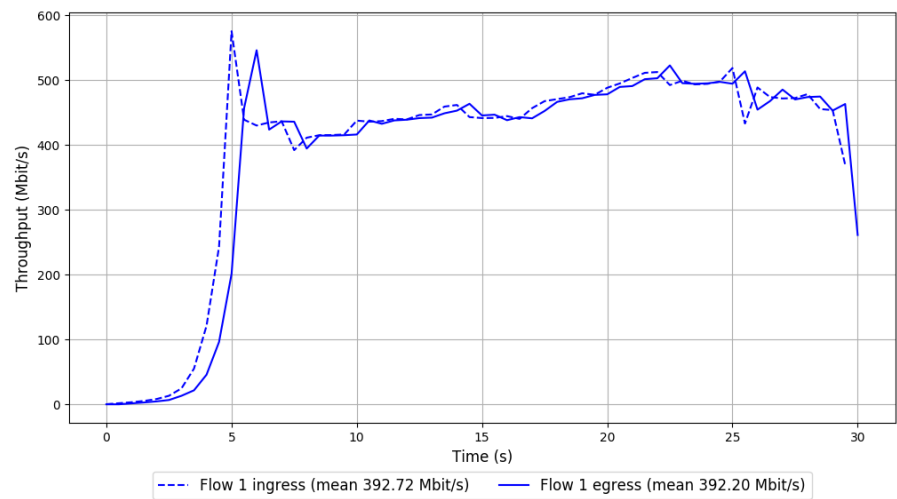
-- Flow 1:

Average throughput: 392.20 Mbit/s

95th percentile per-packet one-way delay: 112.996 ms

Loss rate: 0.89%

Run 5: Report of PCC-Vivace — Data Link

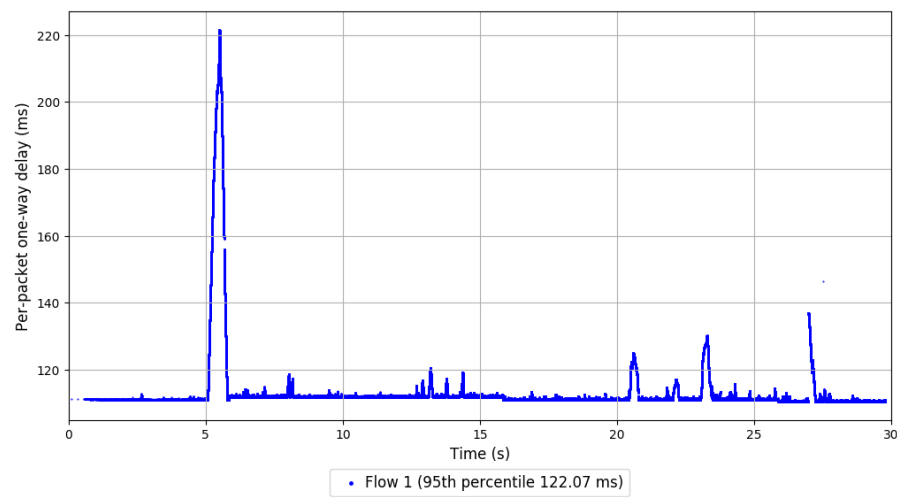
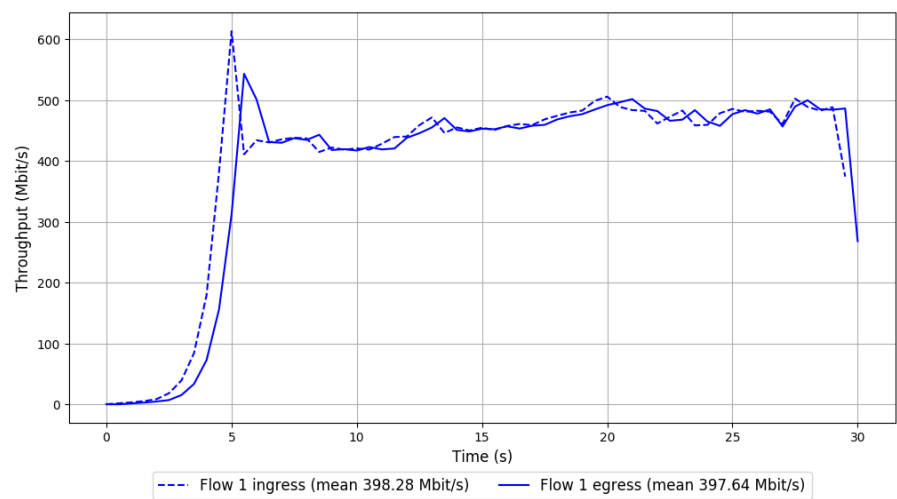


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 09:46:47
End at: 2018-07-10 09:47:17
Local clock offset: -0.646 ms
Remote clock offset: -0.447 ms

Below is generated by plot.py at 2018-07-10 13:05:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 397.64 Mbit/s
95th percentile per-packet one-way delay: 122.069 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 397.64 Mbit/s
95th percentile per-packet one-way delay: 122.069 ms
Loss rate: 0.91%

Run 6: Report of PCC-Vivace — Data Link

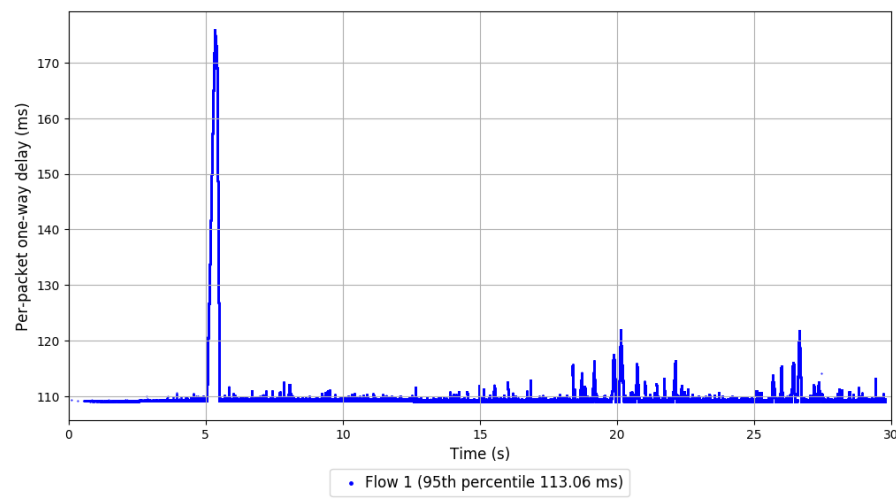
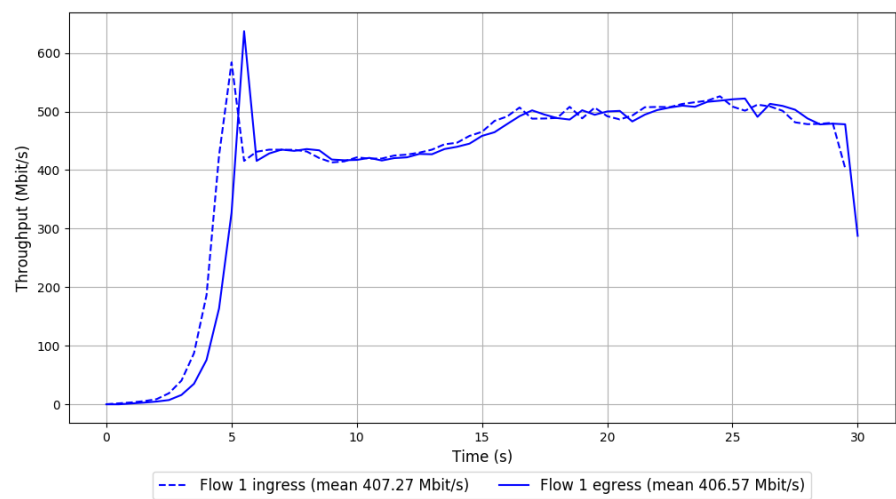


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 10:09:30
End at: 2018-07-10 10:10:00
Local clock offset: -0.619 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-10 13:05:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 406.57 Mbit/s
95th percentile per-packet one-way delay: 113.061 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 406.57 Mbit/s
95th percentile per-packet one-way delay: 113.061 ms
Loss rate: 0.91%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 10:32:07

End at: 2018-07-10 10:32:37

Local clock offset: -0.147 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-10 13:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.64 Mbit/s

95th percentile per-packet one-way delay: 111.765 ms

Loss rate: 0.91%

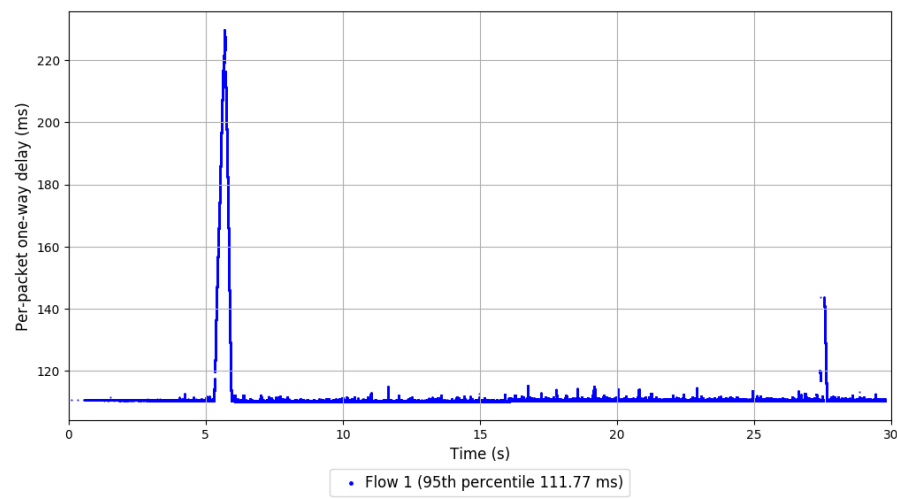
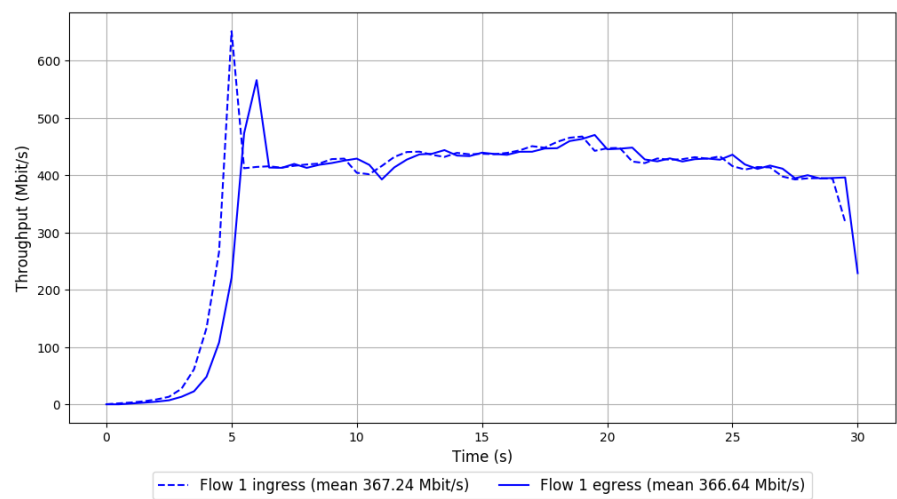
-- Flow 1:

Average throughput: 366.64 Mbit/s

95th percentile per-packet one-way delay: 111.765 ms

Loss rate: 0.91%

Run 8: Report of PCC-Vivace — Data Link

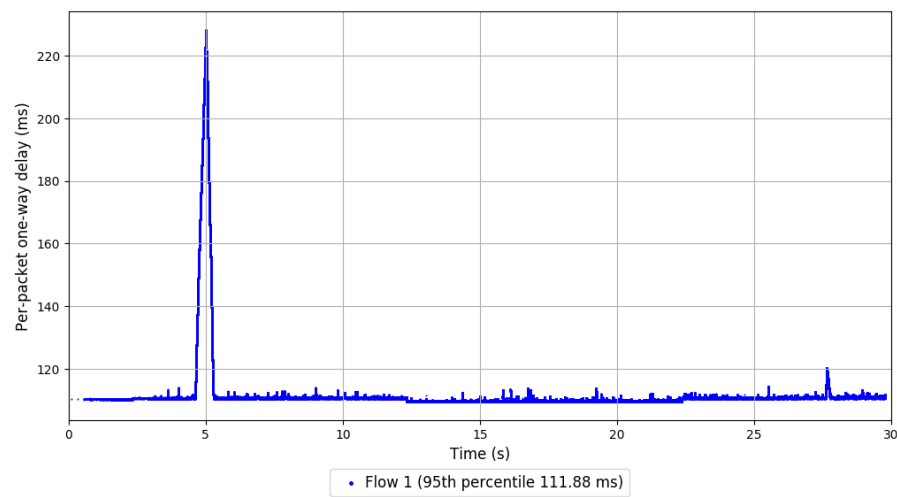
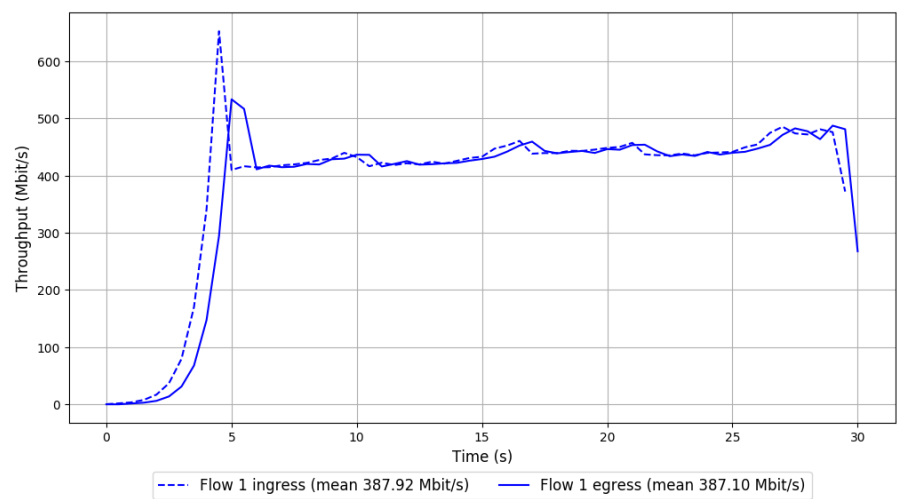


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 10:54:50
End at: 2018-07-10 10:55:21
Local clock offset: -0.166 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-10 13:06:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.10 Mbit/s
95th percentile per-packet one-way delay: 111.876 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 387.10 Mbit/s
95th percentile per-packet one-way delay: 111.876 ms
Loss rate: 0.95%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 11:16:36

End at: 2018-07-10 11:17:06

Local clock offset: -0.326 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-07-10 13:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.94 Mbit/s

95th percentile per-packet one-way delay: 122.511 ms

Loss rate: 0.94%

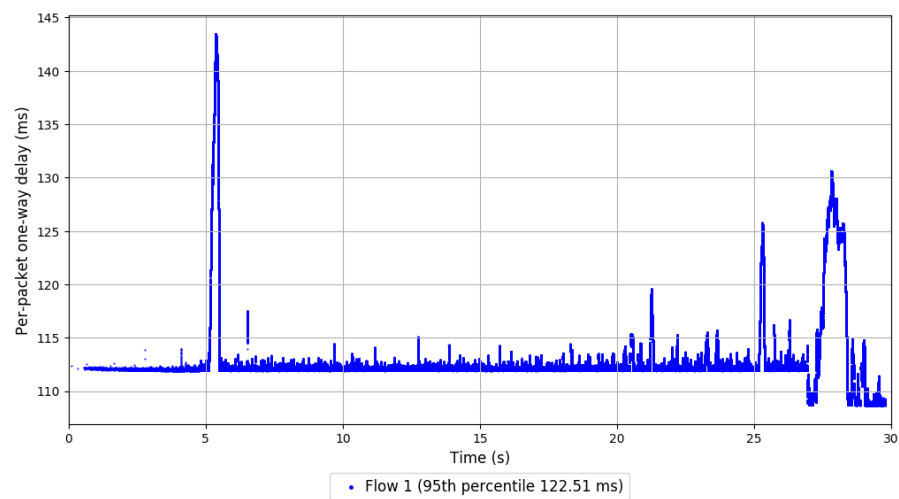
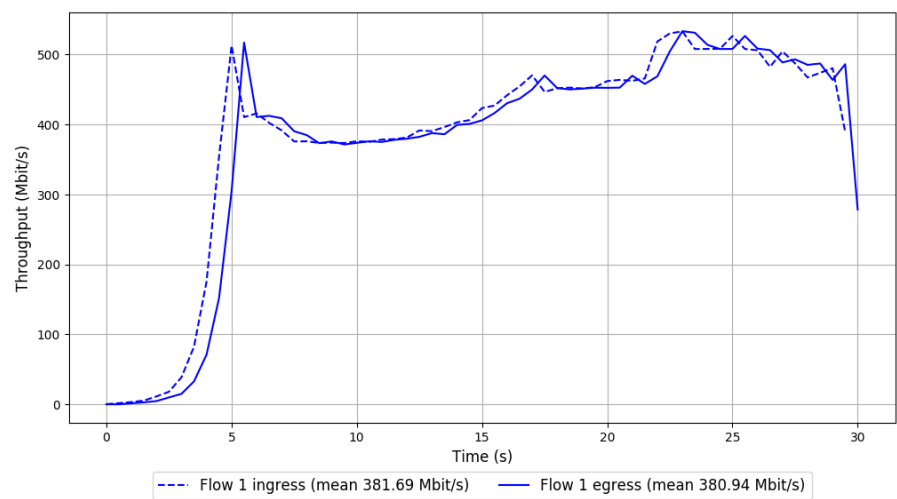
-- Flow 1:

Average throughput: 380.94 Mbit/s

95th percentile per-packet one-way delay: 122.511 ms

Loss rate: 0.94%

Run 10: Report of PCC-Vivace — Data Link

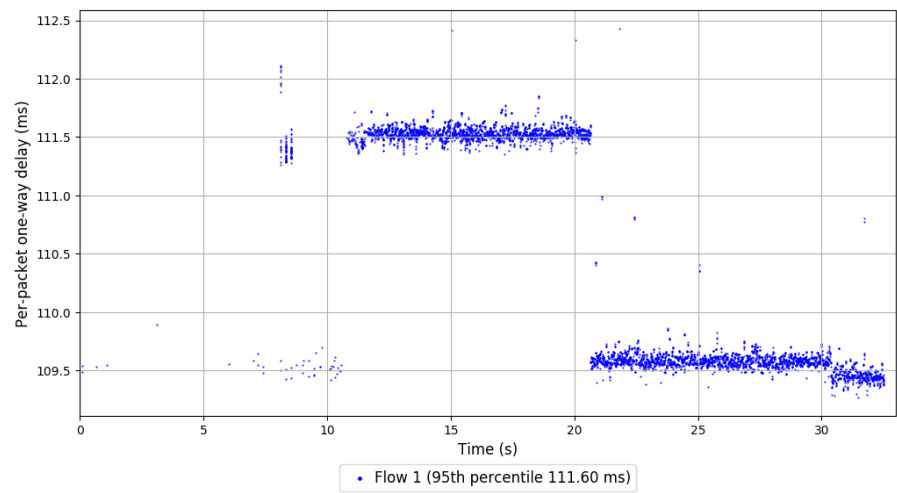
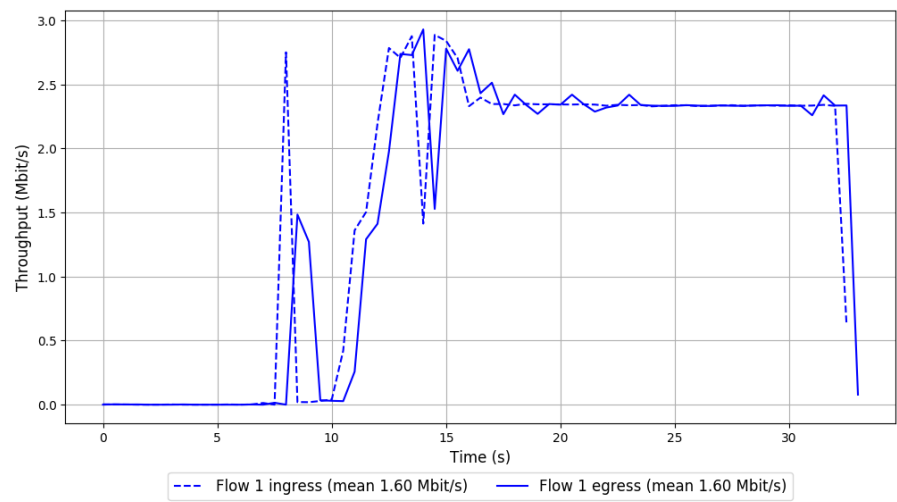


Run 1: Statistics of WebRTC media

Start at: 2018-07-10 08:12:05
End at: 2018-07-10 08:12:35
Local clock offset: -0.154 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-10 13:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 111.598 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 111.598 ms
Loss rate: 0.97%

Run 1: Report of WebRTC media — Data Link

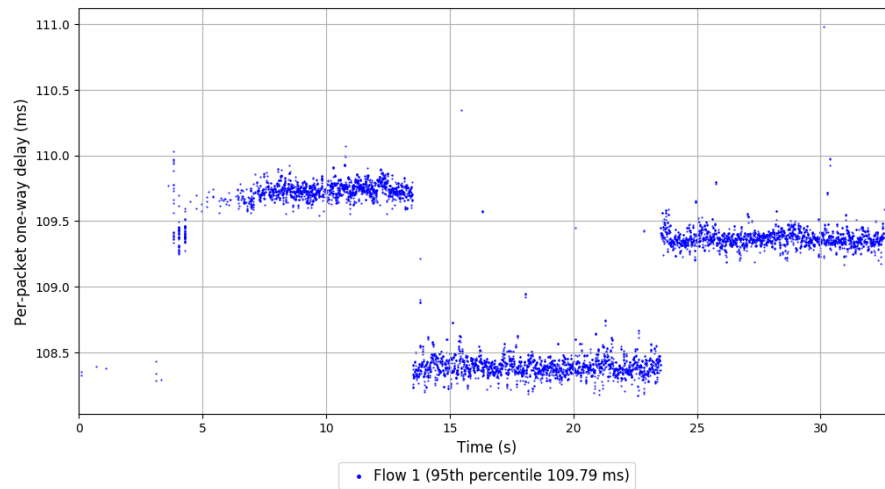
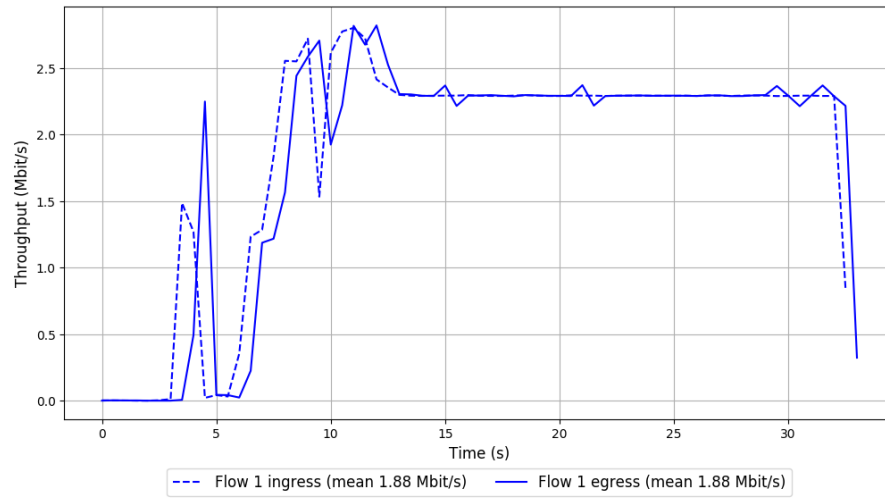


Run 2: Statistics of WebRTC media

Start at: 2018-07-10 08:33:52
End at: 2018-07-10 08:34:22
Local clock offset: -1.26 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-10 13:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 109.787 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 109.787 ms
Loss rate: 0.86%

Run 2: Report of WebRTC media — Data Link

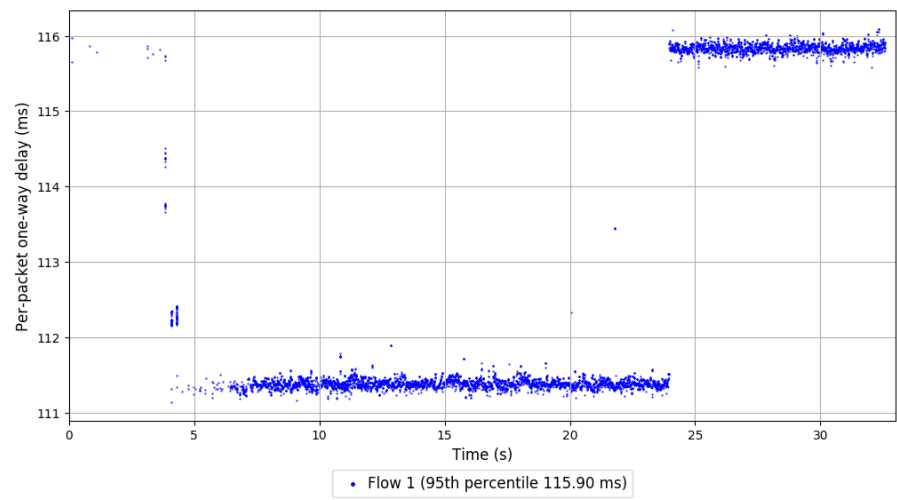
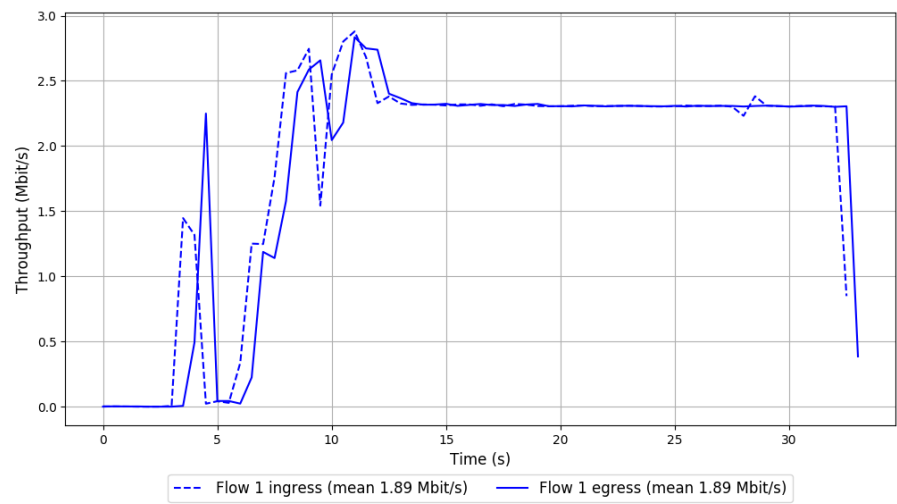


Run 3: Statistics of WebRTC media

Start at: 2018-07-10 08:56:32
End at: 2018-07-10 08:57:02
Local clock offset: 1.159 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-10 13:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 115.897 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 115.897 ms
Loss rate: 0.81%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-10 09:19:15

End at: 2018-07-10 09:19:45

Local clock offset: 0.284 ms

Remote clock offset: 0.316 ms

Below is generated by plot.py at 2018-07-10 13:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 112.671 ms

Loss rate: 0.81%

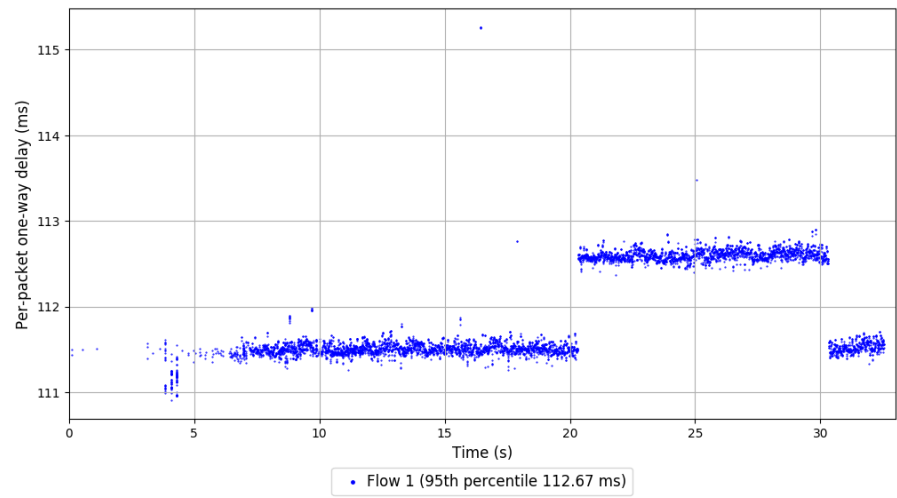
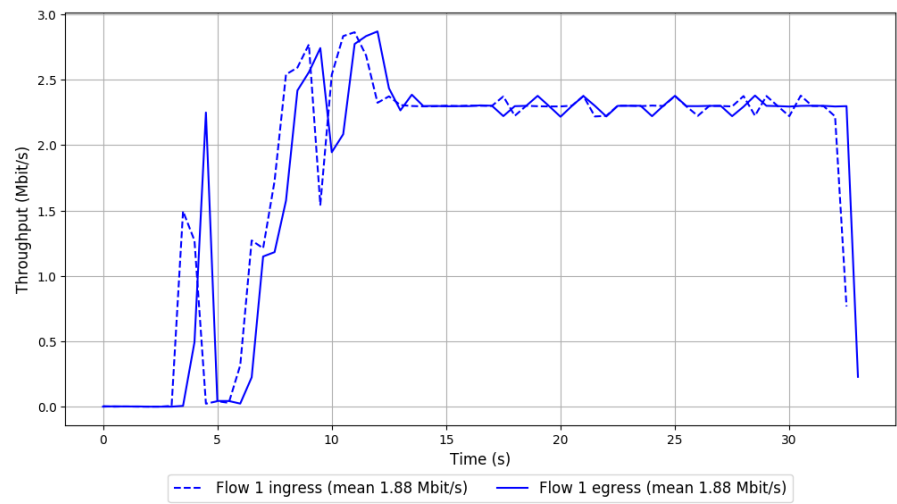
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 112.671 ms

Loss rate: 0.81%

Run 4: Report of WebRTC media — Data Link

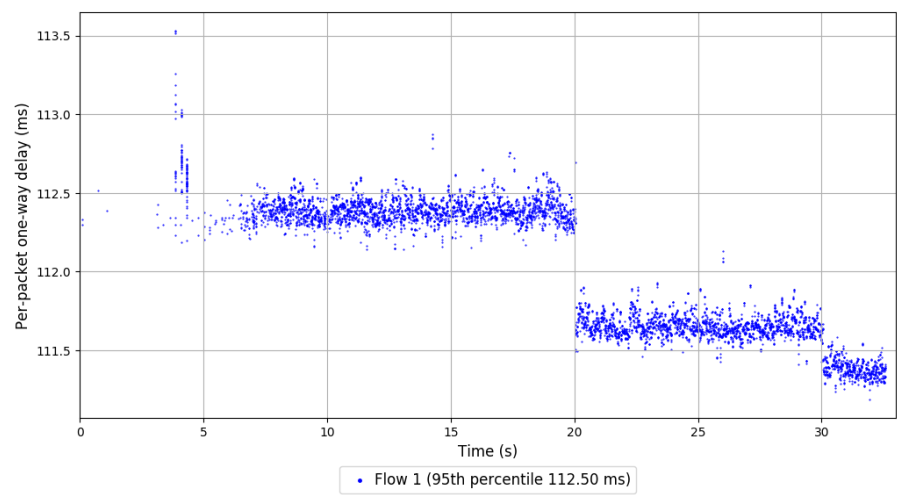
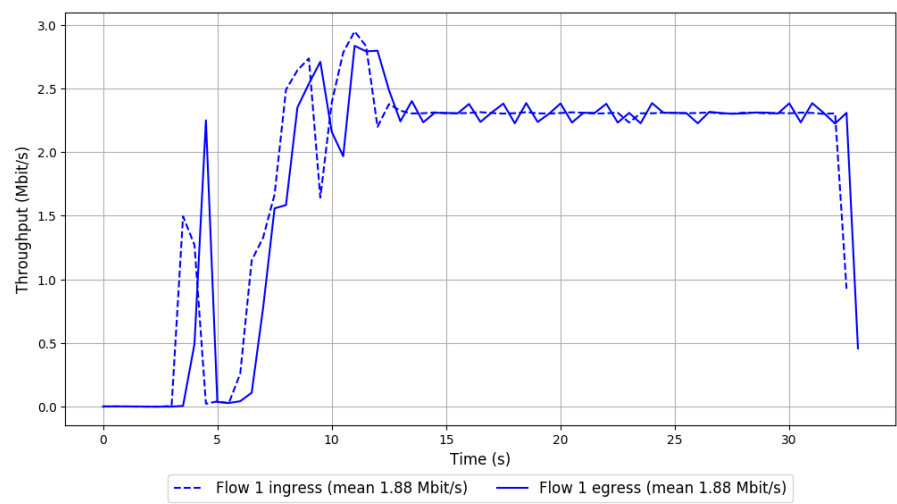


Run 5: Statistics of WebRTC media

Start at: 2018-07-10 09:41:36
End at: 2018-07-10 09:42:06
Local clock offset: -0.126 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-10 13:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 112.497 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 112.497 ms
Loss rate: 0.81%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-10 10:04:28

End at: 2018-07-10 10:04:58

Local clock offset: -1.492 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2018-07-10 13:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 110.774 ms

Loss rate: 0.81%

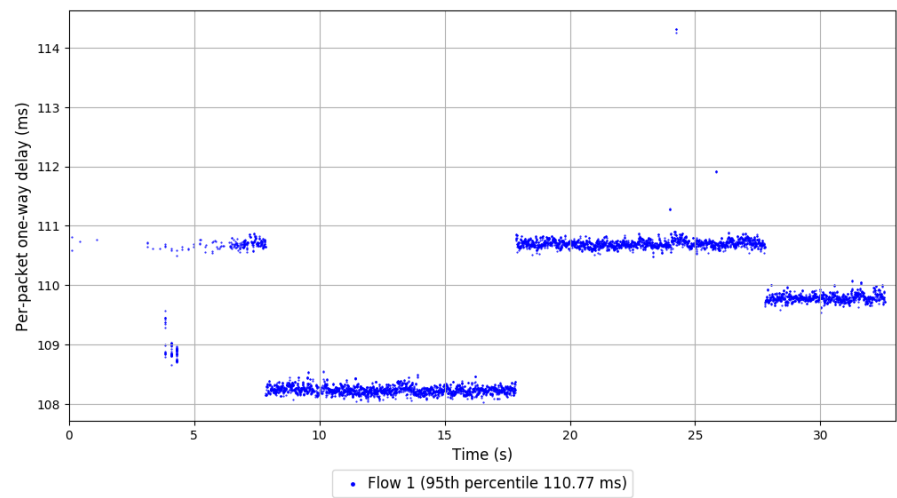
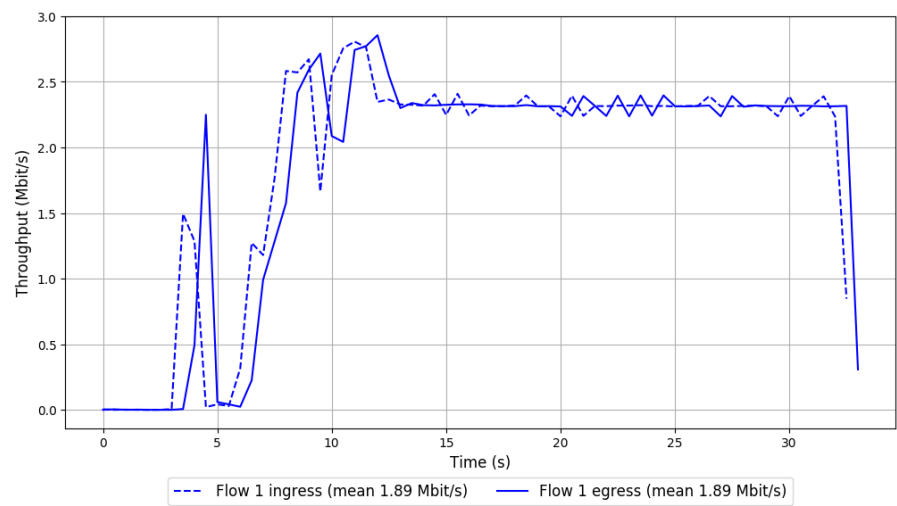
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 110.774 ms

Loss rate: 0.81%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-10 10:27:01

End at: 2018-07-10 10:27:31

Local clock offset: -0.256 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-10 13:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 109.728 ms

Loss rate: 0.81%

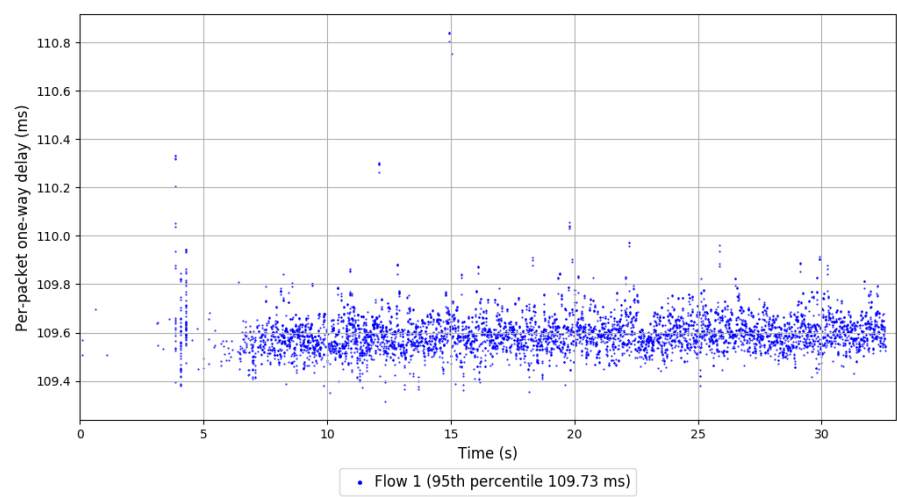
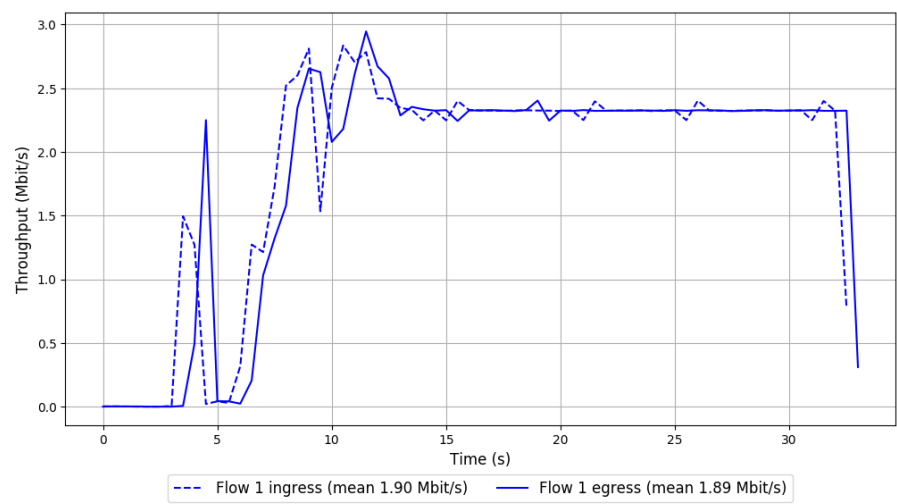
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 109.728 ms

Loss rate: 0.81%

Run 7: Report of WebRTC media — Data Link

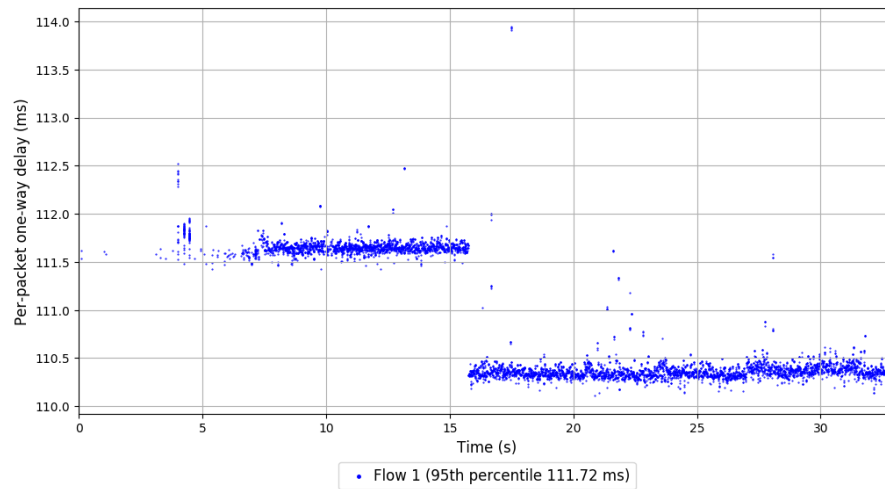
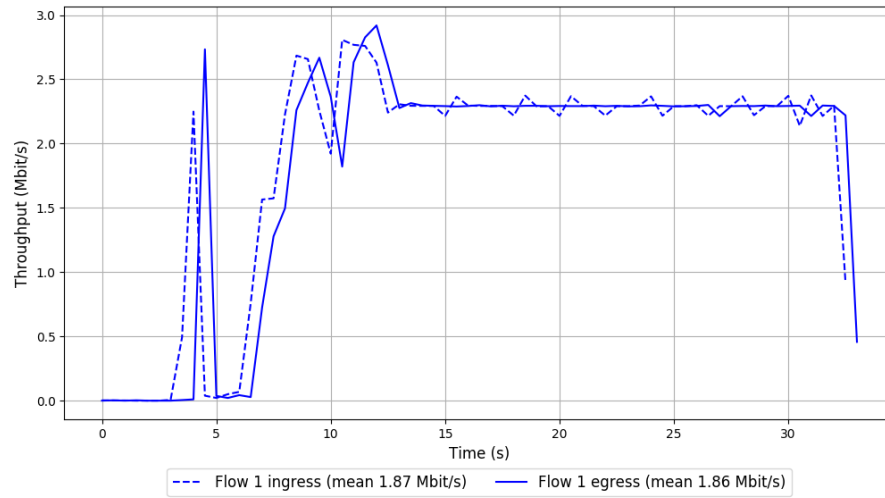


Run 8: Statistics of WebRTC media

Start at: 2018-07-10 10:49:40
End at: 2018-07-10 10:50:10
Local clock offset: -0.156 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-10 13:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 111.715 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 111.715 ms
Loss rate: 0.81%

Run 8: Report of WebRTC media — Data Link

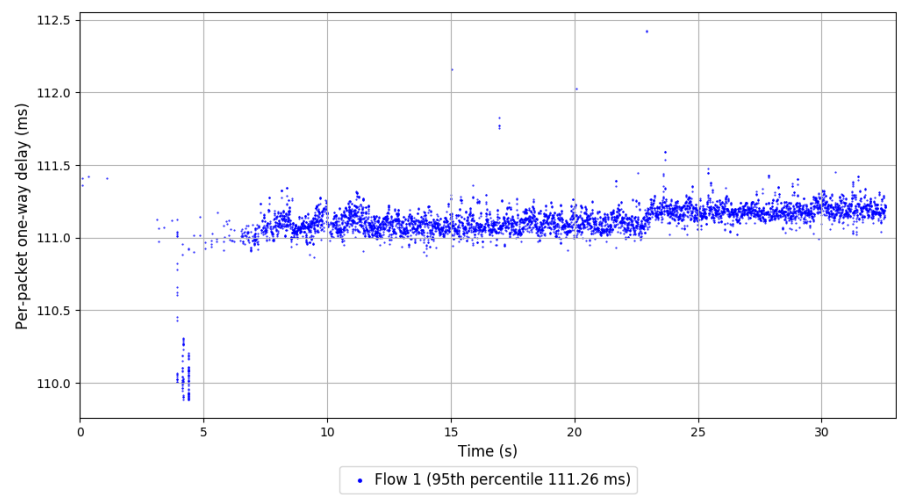
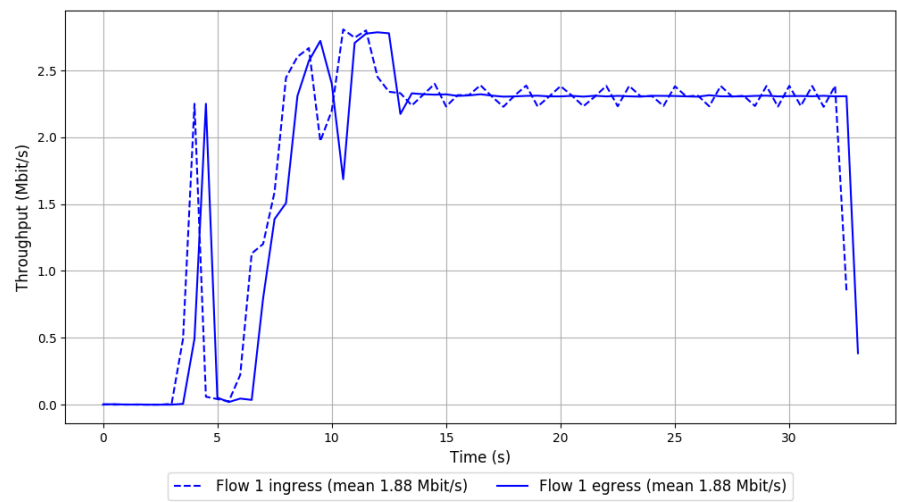


Run 9: Statistics of WebRTC media

Start at: 2018-07-10 11:11:33
End at: 2018-07-10 11:12:03
Local clock offset: -0.199 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-07-10 13:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 111.256 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 111.256 ms
Loss rate: 0.81%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-10 11:33:47
End at: 2018-07-10 11:34:17
Local clock offset: -0.194 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-10 13:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 112.468 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 112.468 ms
Loss rate: 0.82%

Run 10: Report of WebRTC media — Data Link

