

Pantheon Report

Generated at 2018-07-10 00:08:48 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

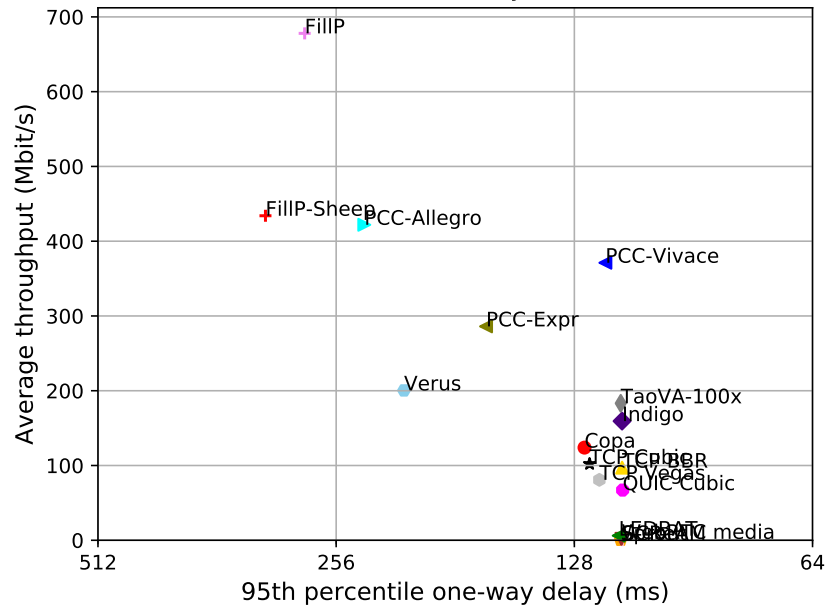
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

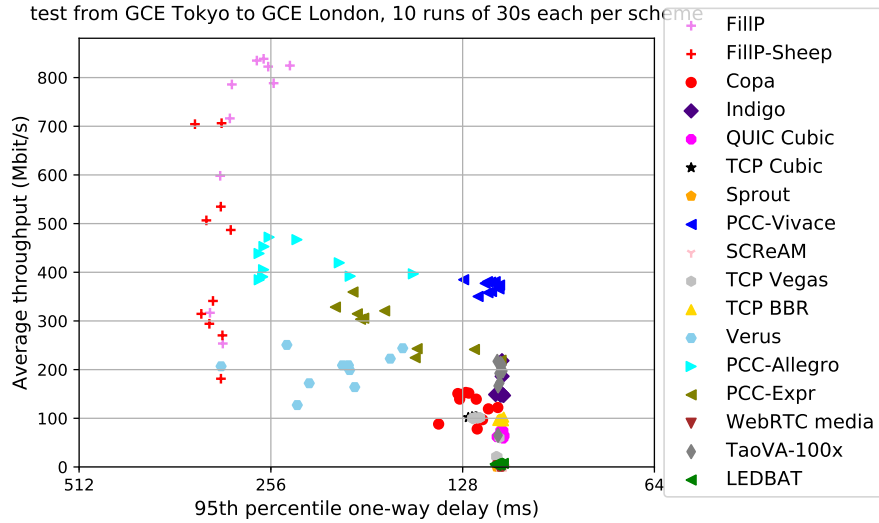
Git summary:

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	97.14	111.39	0.00
Copa	10	123.93	124.27	0.00
TCP Cubic	10	102.03	122.46	0.01
FillP	10	677.98	280.57	1.98
FillP-Sheep	10	434.03	314.47	6.48
Indigo	10	159.39	111.41	0.00
LEDBAT	10	6.15	112.51	0.00
PCC-Allegro	10	421.93	235.87	1.47
PCC-Expr	10	286.06	165.51	0.92
QUIC Cubic	9	67.11	111.22	0.00
SCReAM	10	0.22	111.31	0.00
Sprout	10	0.21	111.86	0.00
TaoVA-100x	10	183.16	111.84	0.00
TCP Vegas	10	80.82	119.02	0.01
Verus	10	200.41	210.14	1.35
PCC-Vivace	10	371.16	116.96	0.09
WebRTC media	10	1.88	111.61	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-09 19:01:27

End at: 2018-07-09 19:01:57

Local clock offset: -0.213 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-07-09 22:52:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.24 Mbit/s

95th percentile per-packet one-way delay: 112.111 ms

Loss rate: 0.00%

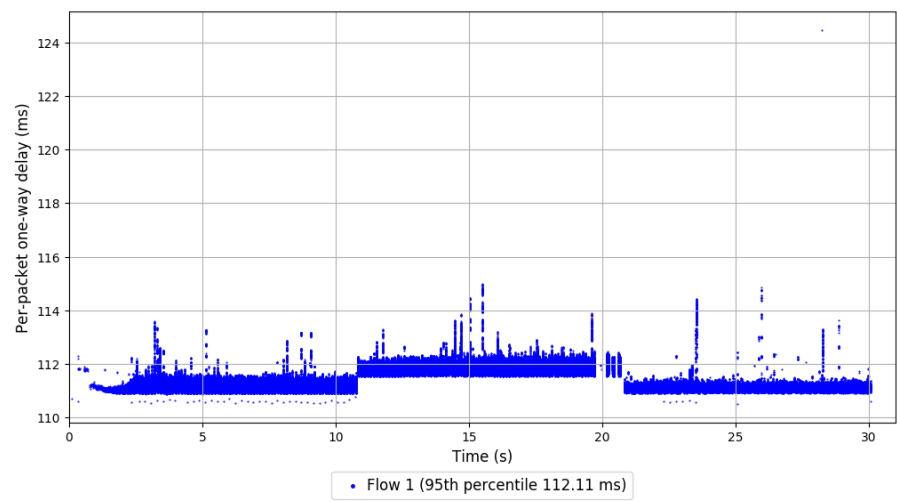
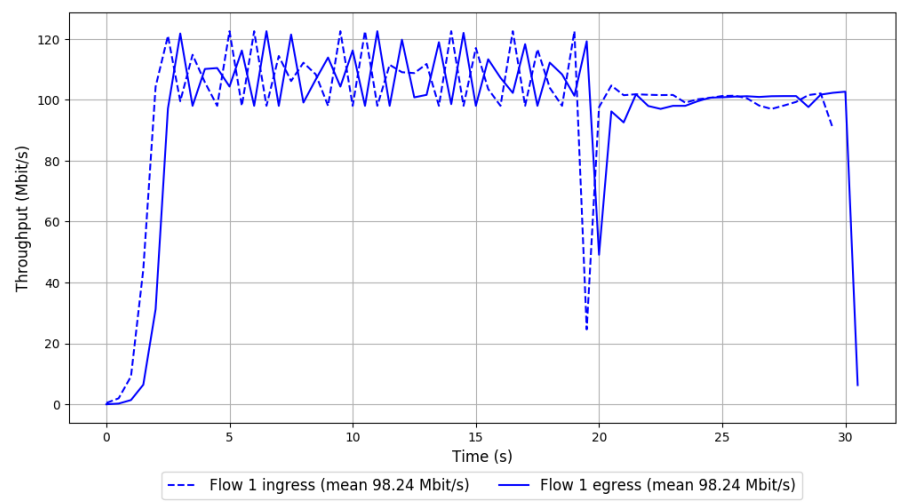
-- Flow 1:

Average throughput: 98.24 Mbit/s

95th percentile per-packet one-way delay: 112.111 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

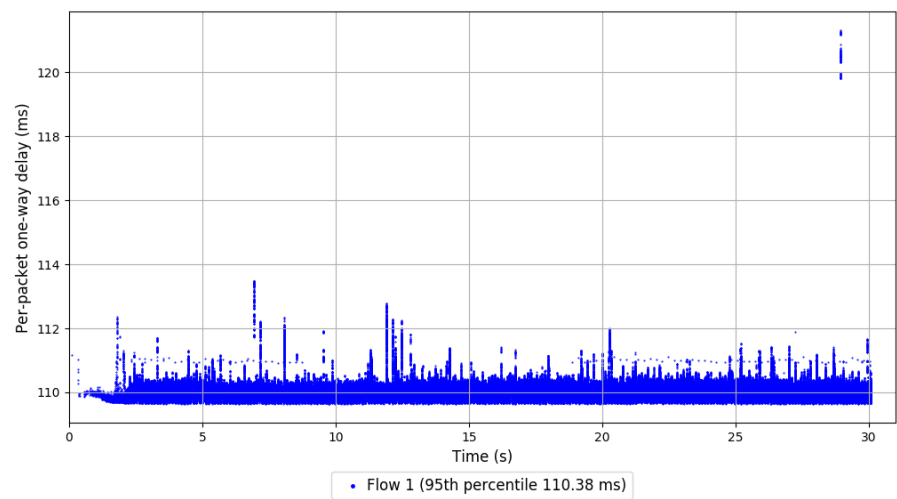
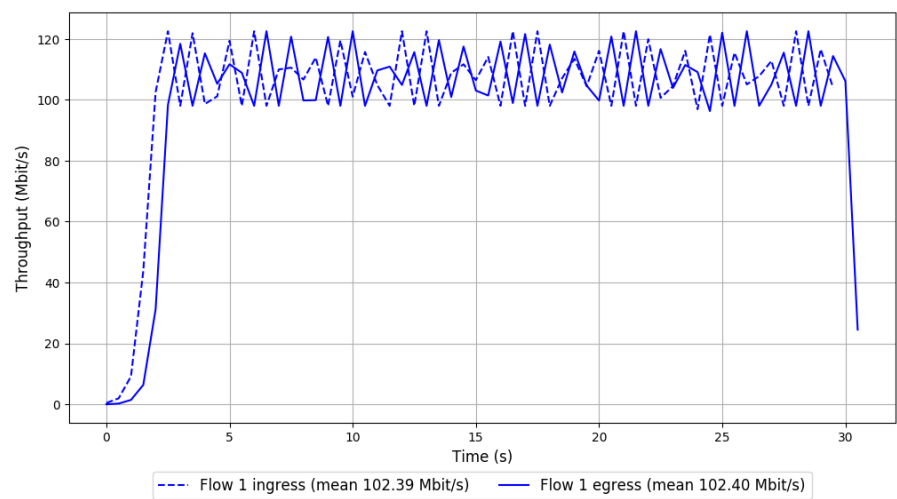


Run 2: Statistics of TCP BBR

Start at: 2018-07-09 19:23:49
End at: 2018-07-09 19:24:19
Local clock offset: 0.154 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-09 22:52:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.40 Mbit/s
95th percentile per-packet one-way delay: 110.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.40 Mbit/s
95th percentile per-packet one-way delay: 110.379 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

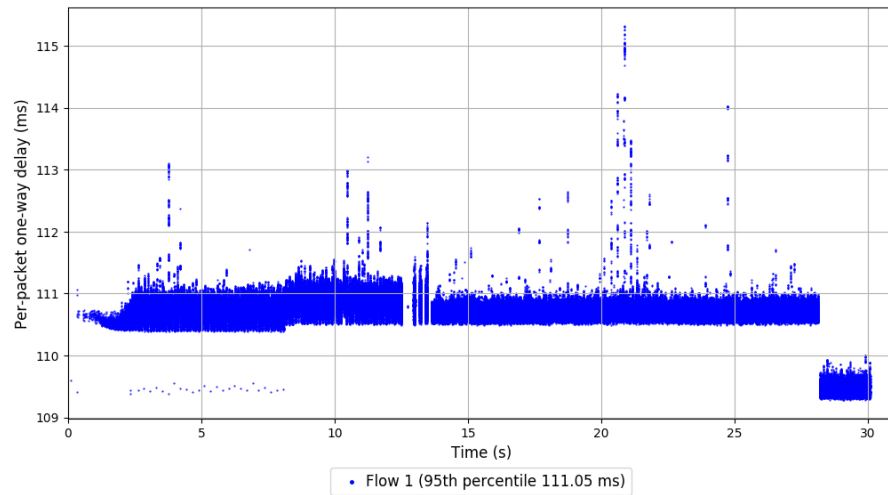
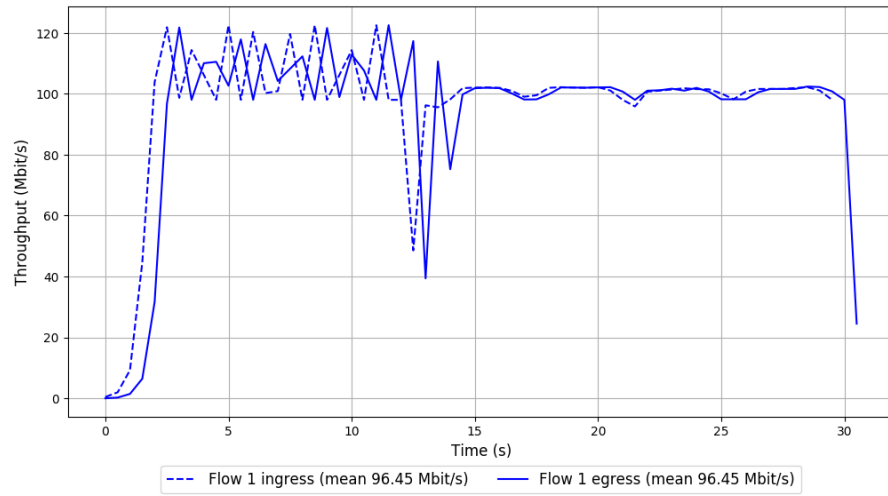


Run 3: Statistics of TCP BBR

Start at: 2018-07-09 19:46:20
End at: 2018-07-09 19:46:50
Local clock offset: 0.093 ms
Remote clock offset: -0.565 ms

Below is generated by plot.py at 2018-07-09 22:52:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 111.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 111.046 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-09 20:08:56

End at: 2018-07-09 20:09:26

Local clock offset: -0.22 ms

Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-09 22:52:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 111.774 ms

Loss rate: 0.00%

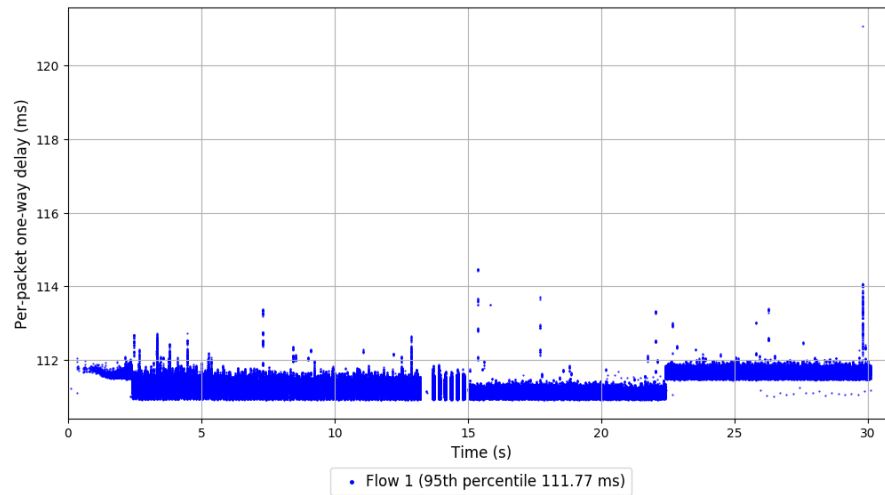
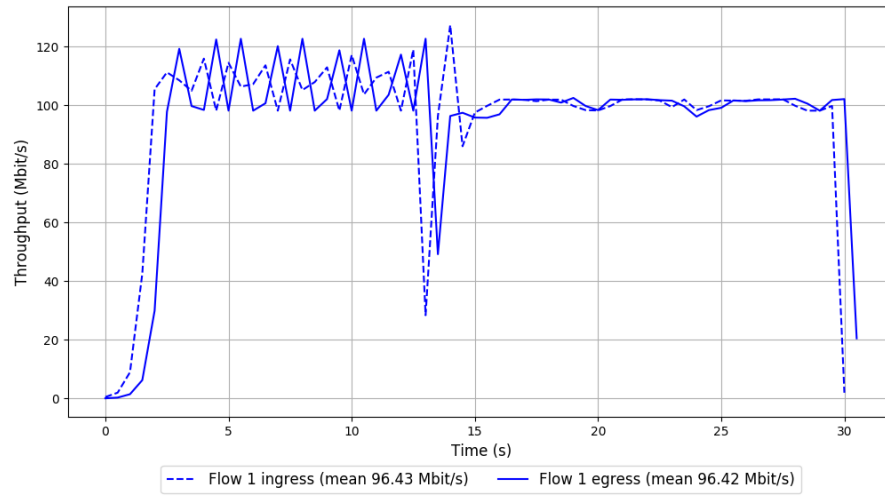
-- Flow 1:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 111.774 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

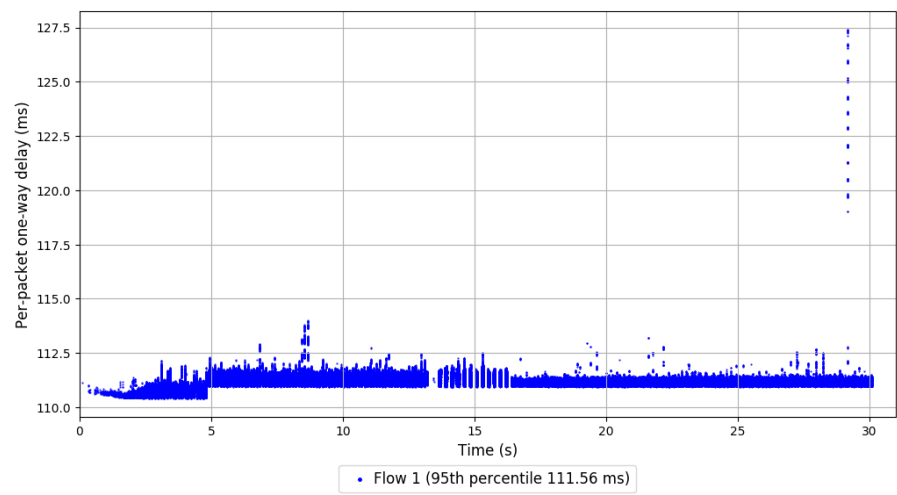
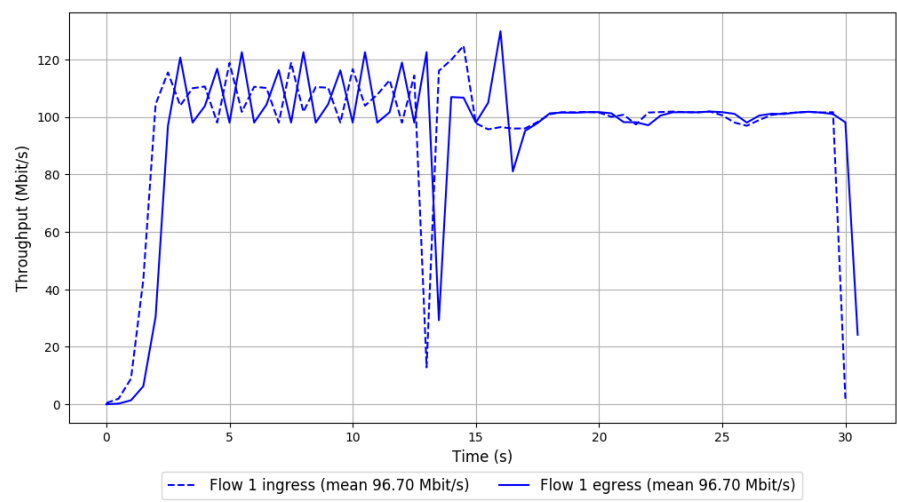


Run 5: Statistics of TCP BBR

Start at: 2018-07-09 20:31:33
End at: 2018-07-09 20:32:04
Local clock offset: -0.094 ms
Remote clock offset: -0.461 ms

Below is generated by plot.py at 2018-07-09 22:52:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 111.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 111.561 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

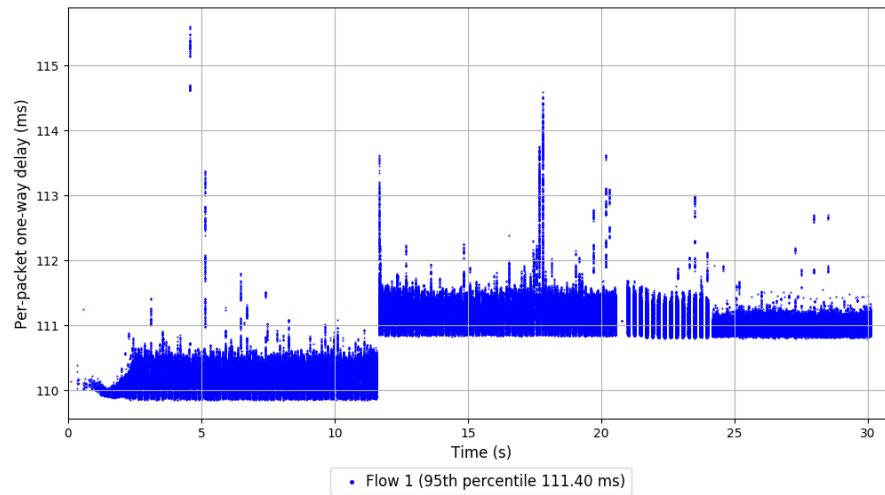
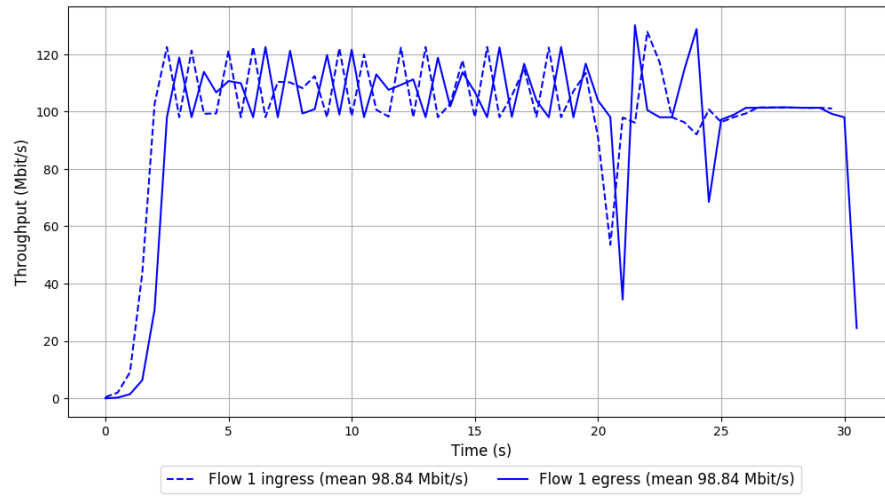


Run 6: Statistics of TCP BBR

Start at: 2018-07-09 20:53:57
End at: 2018-07-09 20:54:27
Local clock offset: -0.13 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-09 22:52:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.84 Mbit/s
95th percentile per-packet one-way delay: 111.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.84 Mbit/s
95th percentile per-packet one-way delay: 111.400 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

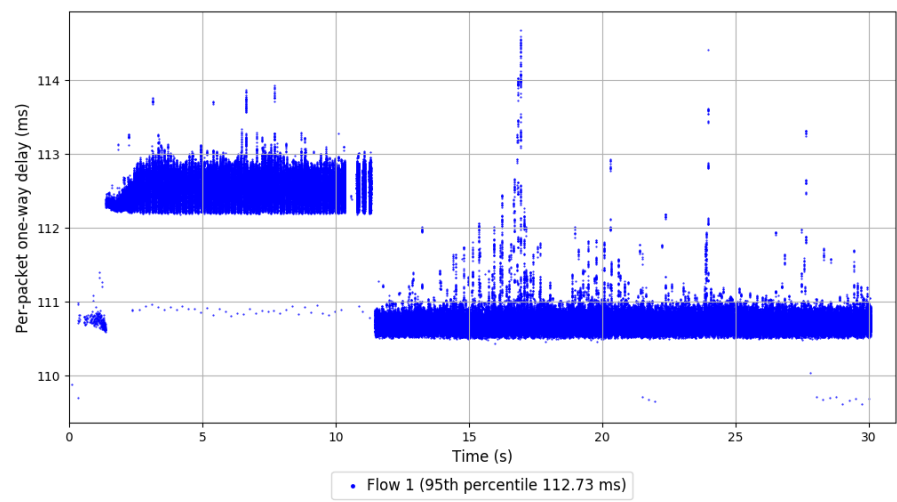
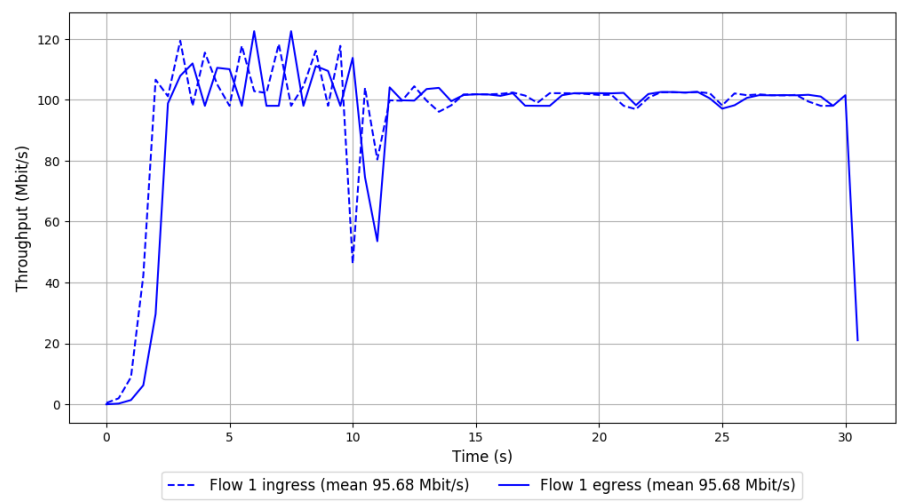


Run 7: Statistics of TCP BBR

Start at: 2018-07-09 21:16:47
End at: 2018-07-09 21:17:17
Local clock offset: 0.216 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-09 22:52:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 112.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 112.727 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

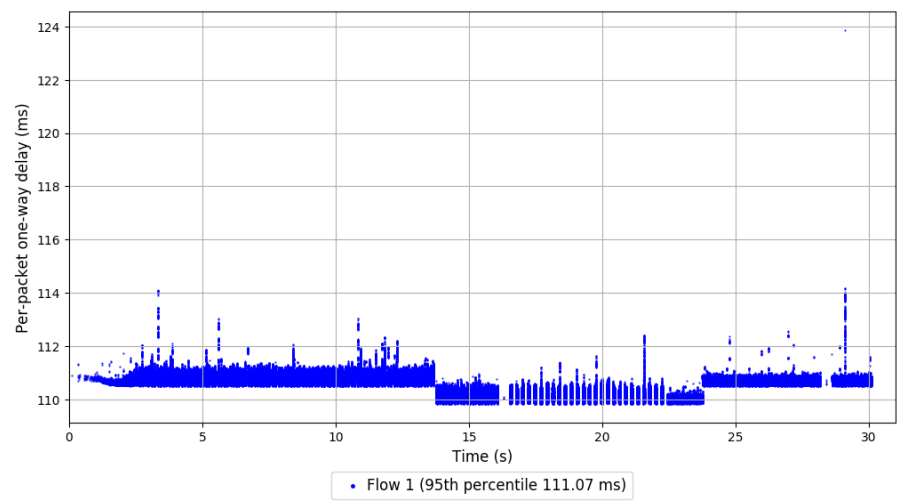
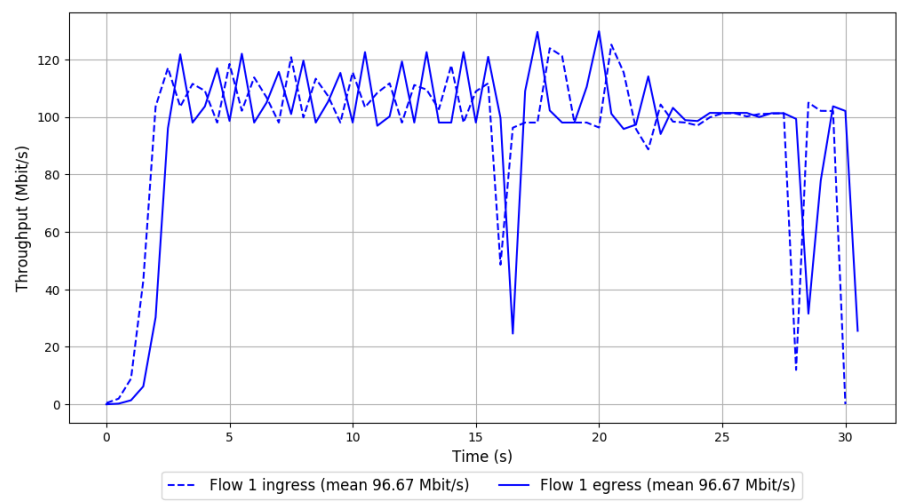


Run 8: Statistics of TCP BBR

Start at: 2018-07-09 21:39:25
End at: 2018-07-09 21:39:55
Local clock offset: 0.117 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-09 22:52:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 111.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 111.066 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

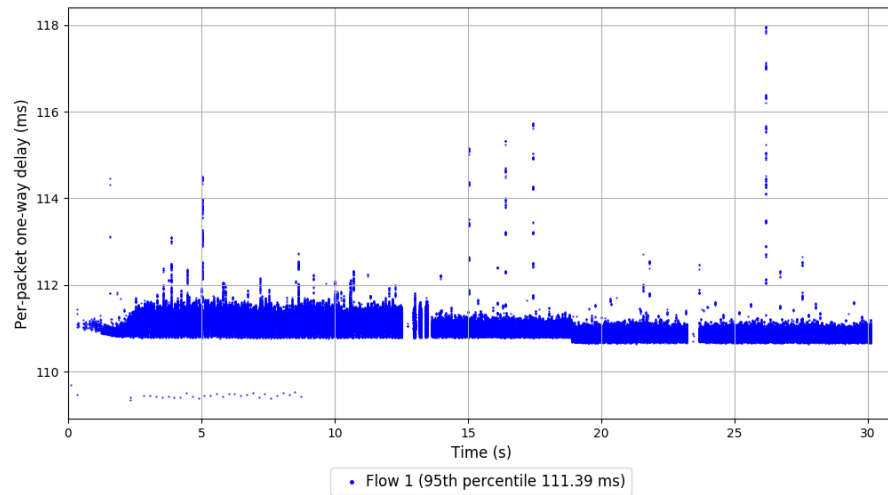
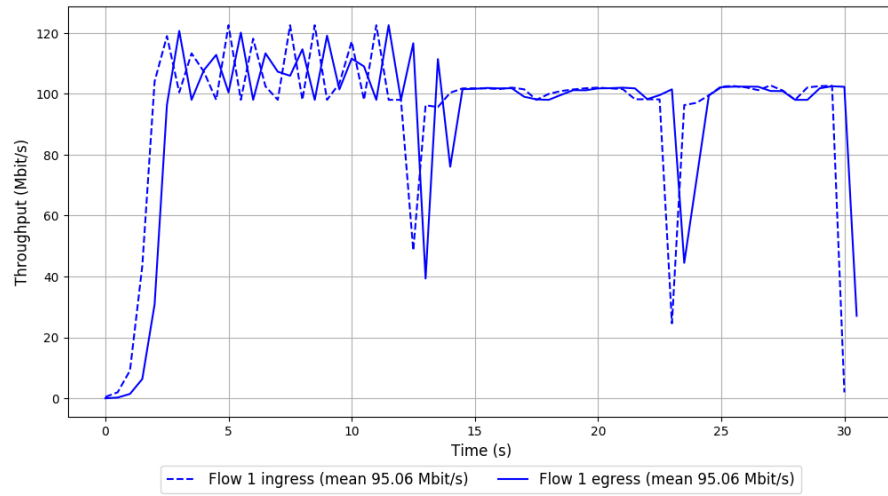


Run 9: Statistics of TCP BBR

Start at: 2018-07-09 22:01:19
End at: 2018-07-09 22:01:49
Local clock offset: -0.073 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-09 22:53:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 111.386 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 111.386 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-09 22:23:29

End at: 2018-07-09 22:23:59

Local clock offset: 0.951 ms

Remote clock offset: -0.406 ms

Below is generated by plot.py at 2018-07-09 22:53:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 110.440 ms

Loss rate: 0.00%

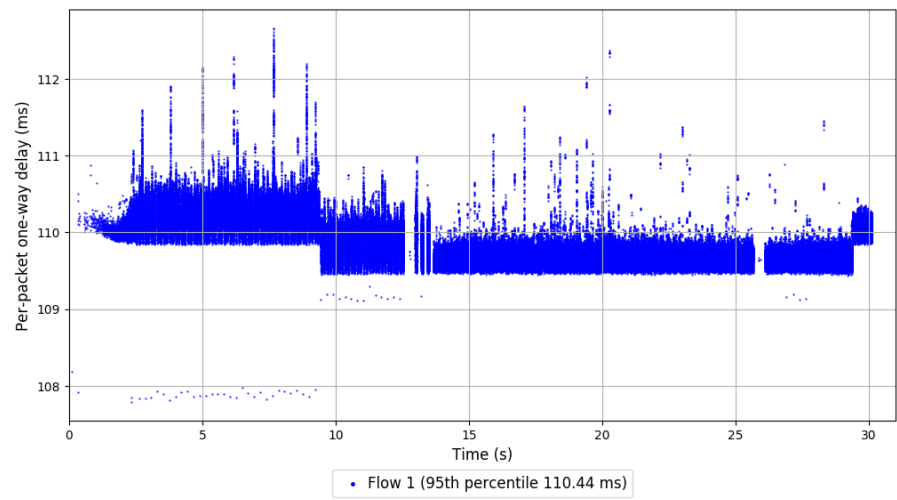
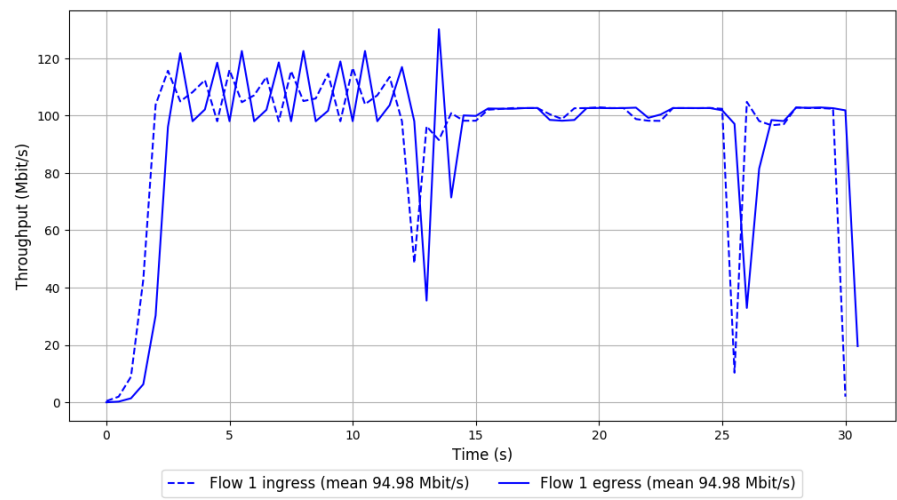
-- Flow 1:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 110.440 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-09 19:03:58

End at: 2018-07-09 19:04:28

Local clock offset: -0.133 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-09 22:56:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.36 Mbit/s

95th percentile per-packet one-way delay: 116.605 ms

Loss rate: 0.00%

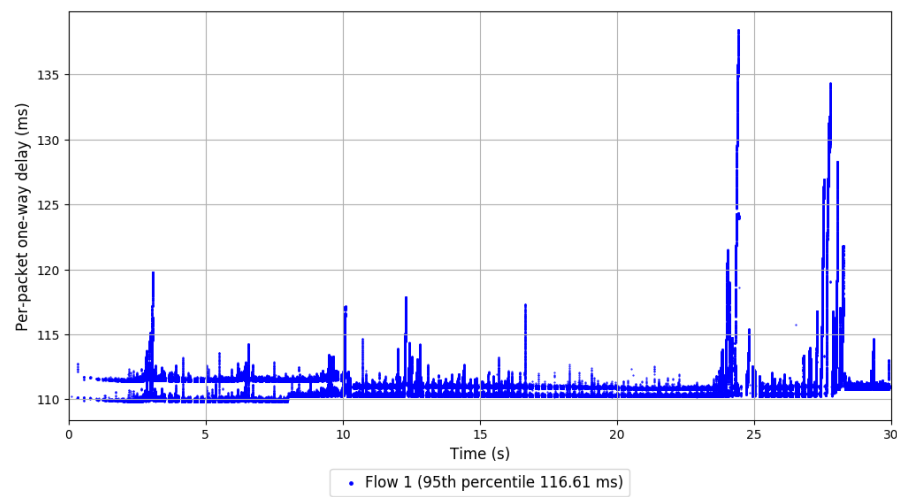
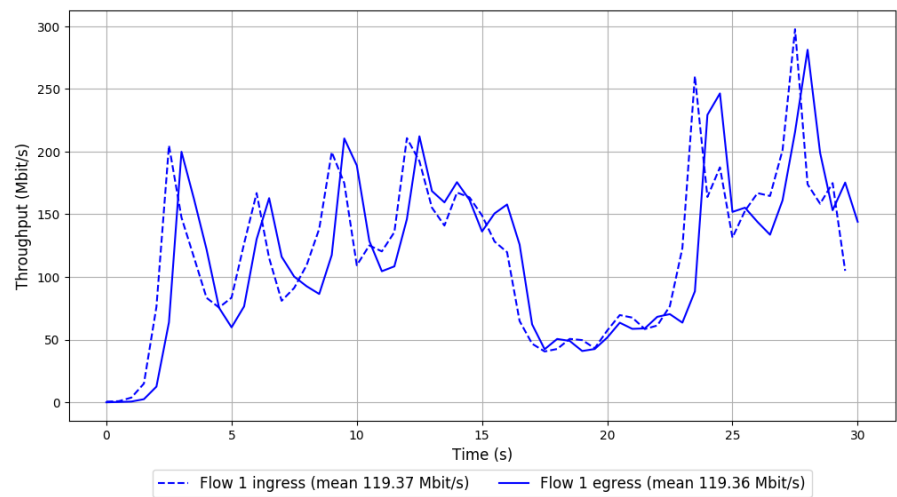
-- Flow 1:

Average throughput: 119.36 Mbit/s

95th percentile per-packet one-way delay: 116.605 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-09 19:26:23

End at: 2018-07-09 19:26:53

Local clock offset: 0.026 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-07-09 22:56:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.00 Mbit/s

95th percentile per-packet one-way delay: 126.562 ms

Loss rate: 0.00%

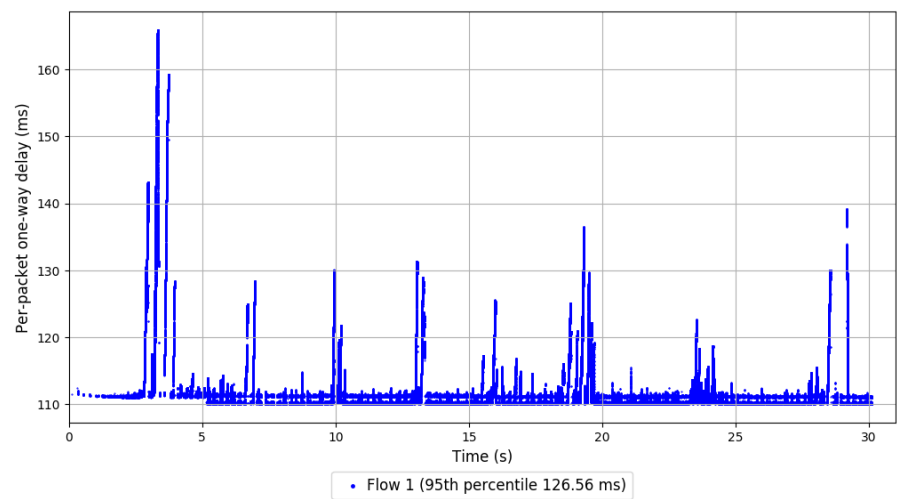
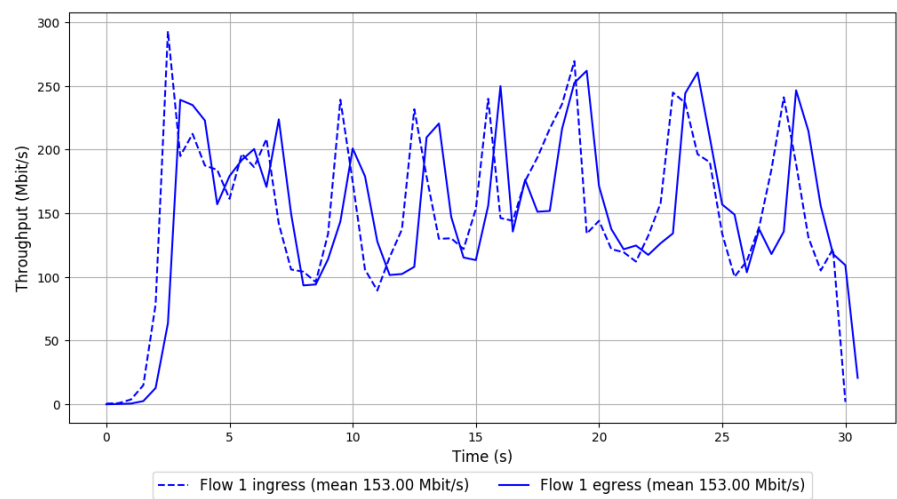
-- Flow 1:

Average throughput: 153.00 Mbit/s

95th percentile per-packet one-way delay: 126.562 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

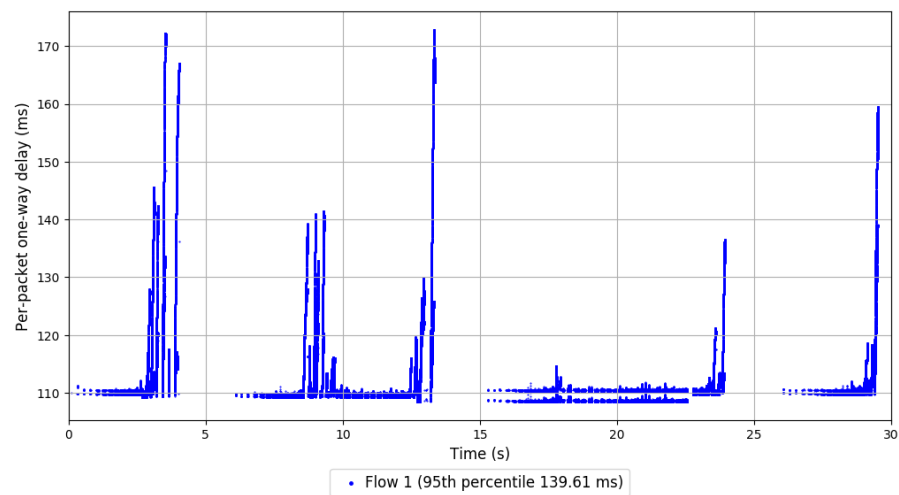
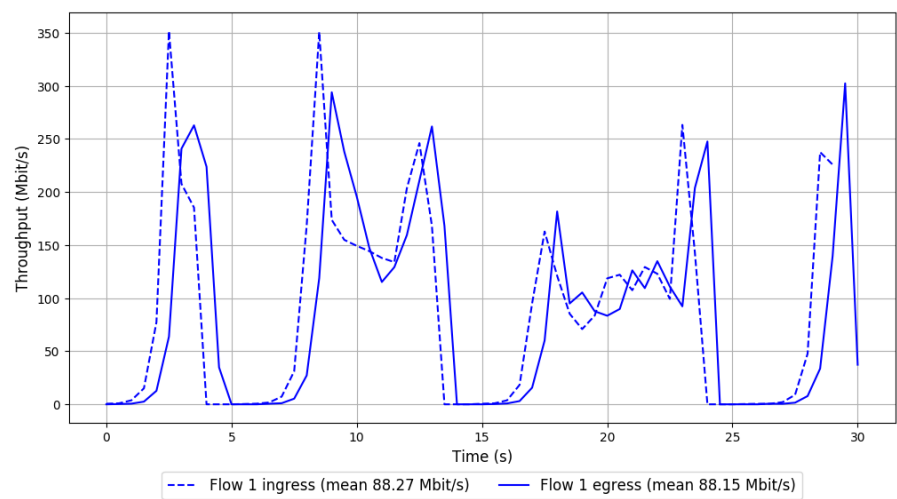


Run 3: Statistics of Copa

Start at: 2018-07-09 19:48:56
End at: 2018-07-09 19:49:26
Local clock offset: 0.186 ms
Remote clock offset: -0.587 ms

Below is generated by plot.py at 2018-07-09 22:56:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: 139.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: 139.607 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

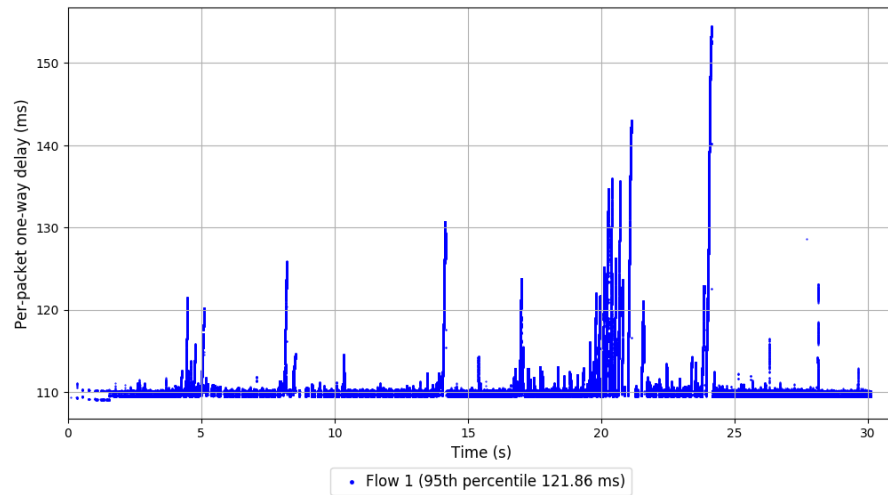
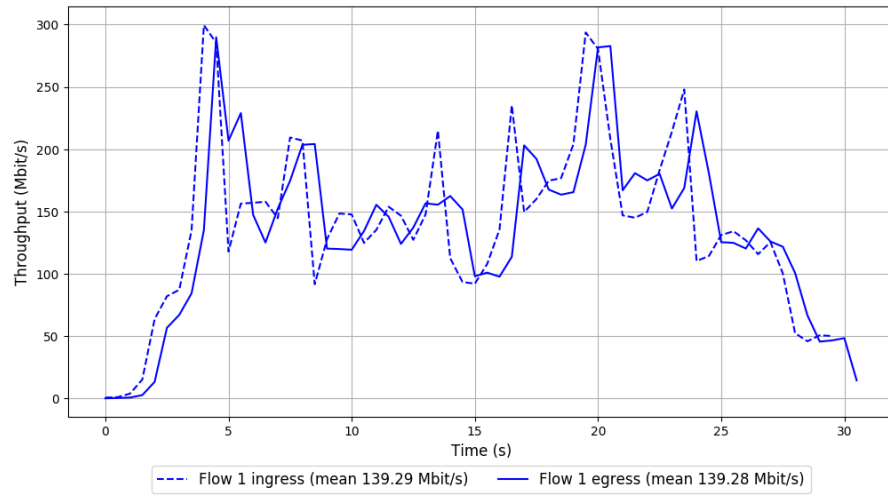


Run 4: Statistics of Copa

Start at: 2018-07-09 20:11:27
End at: 2018-07-09 20:11:57
Local clock offset: 1.189 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-09 22:56:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.28 Mbit/s
95th percentile per-packet one-way delay: 121.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.28 Mbit/s
95th percentile per-packet one-way delay: 121.857 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-09 20:34:04

End at: 2018-07-09 20:34:34

Local clock offset: -0.269 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-09 22:56:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.74 Mbit/s

95th percentile per-packet one-way delay: 125.178 ms

Loss rate: 0.00%

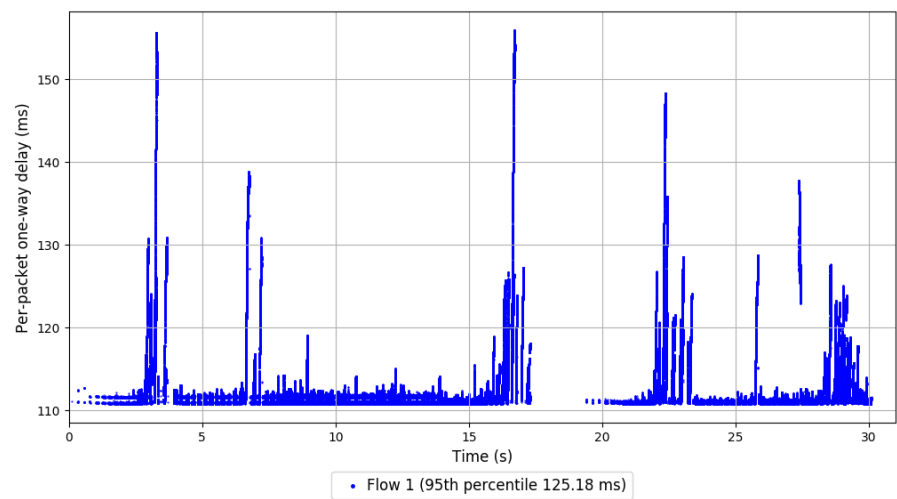
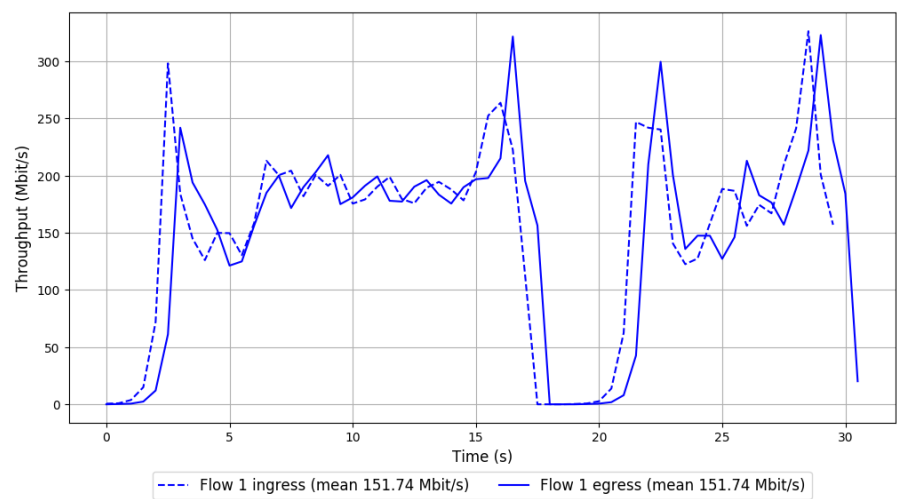
-- Flow 1:

Average throughput: 151.74 Mbit/s

95th percentile per-packet one-way delay: 125.178 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

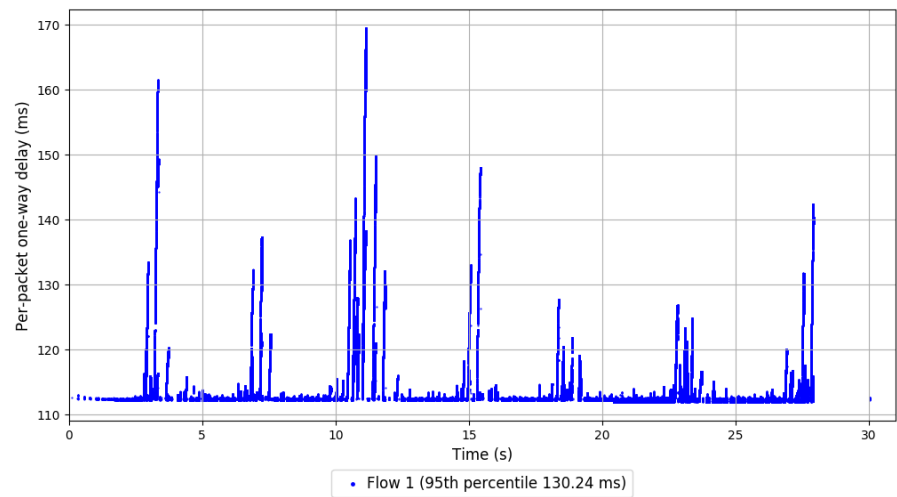
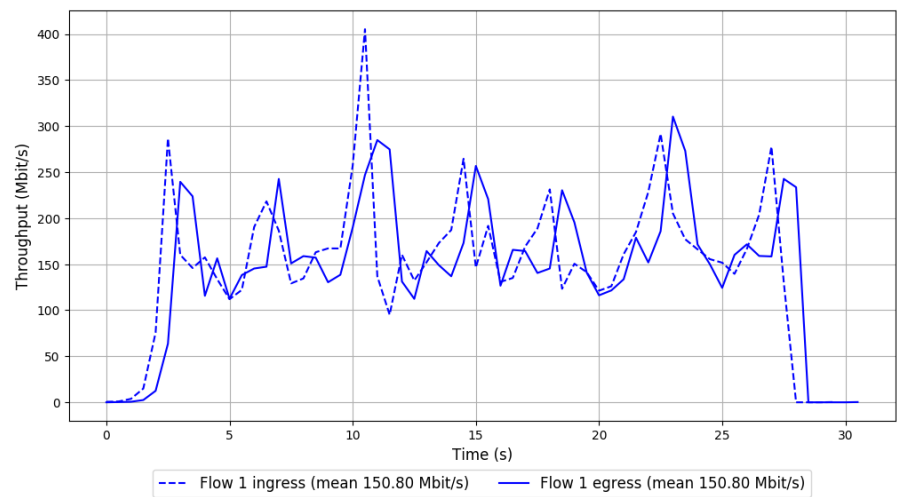


Run 6: Statistics of Copa

Start at: 2018-07-09 20:56:28
End at: 2018-07-09 20:56:58
Local clock offset: -1.585 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-09 22:56:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.80 Mbit/s
95th percentile per-packet one-way delay: 130.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.80 Mbit/s
95th percentile per-packet one-way delay: 130.236 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

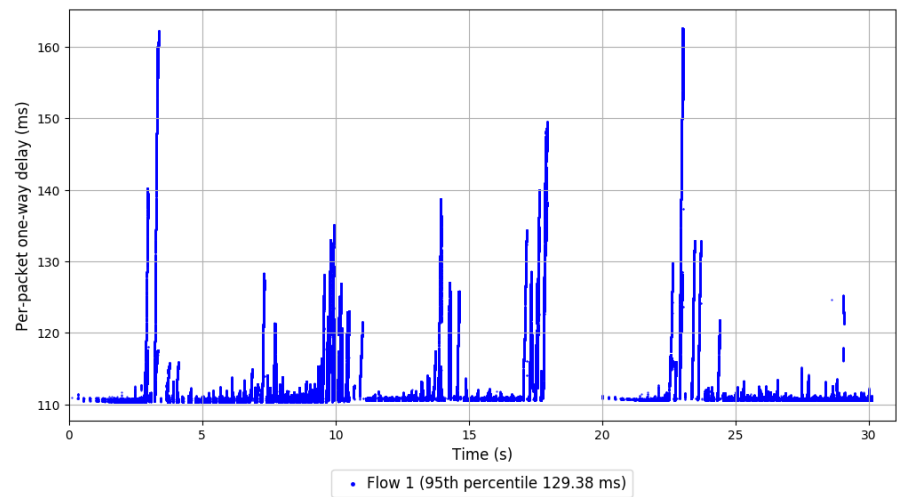
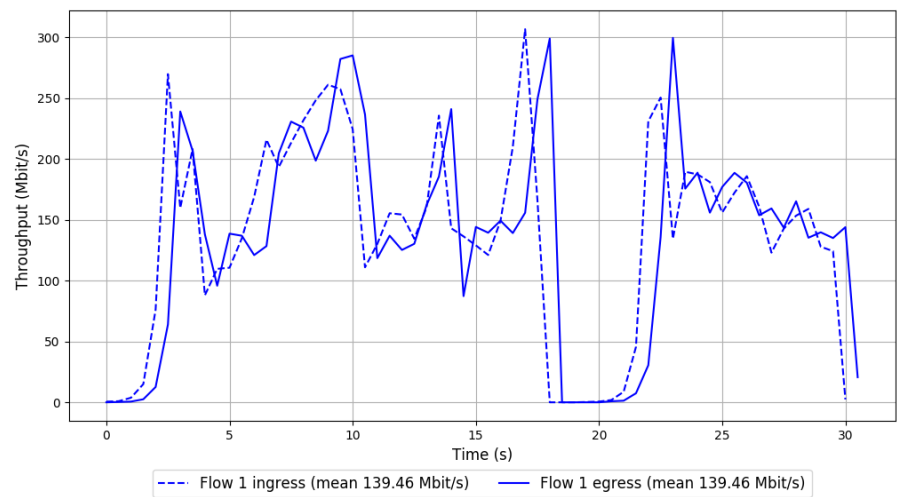


Run 7: Statistics of Copa

Start at: 2018-07-09 21:19:18
End at: 2018-07-09 21:19:48
Local clock offset: 0.053 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-09 22:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.46 Mbit/s
95th percentile per-packet one-way delay: 129.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.46 Mbit/s
95th percentile per-packet one-way delay: 129.385 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

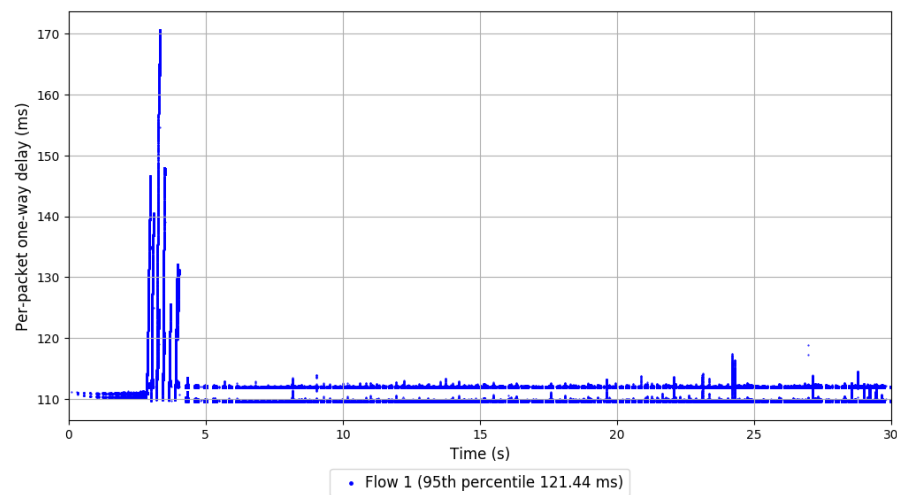
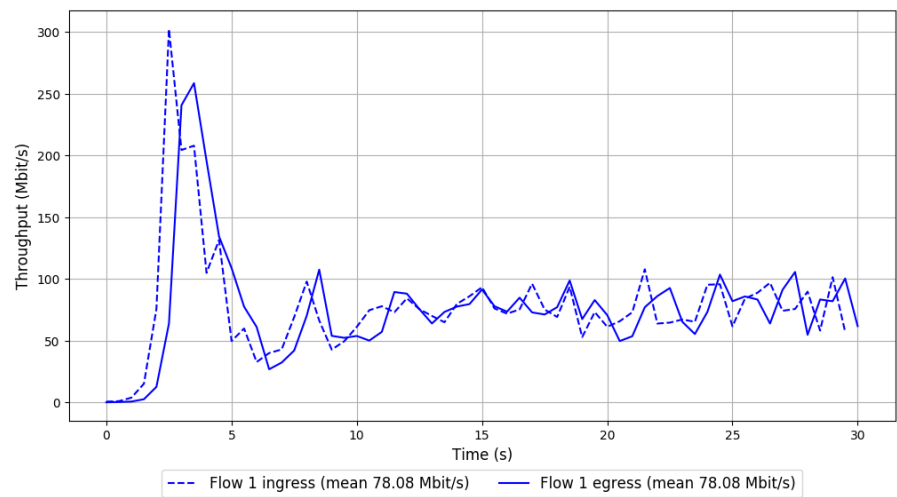


Run 8: Statistics of Copa

Start at: 2018-07-09 21:41:55
End at: 2018-07-09 21:42:25
Local clock offset: -0.021 ms
Remote clock offset: -0.539 ms

Below is generated by plot.py at 2018-07-09 22:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.08 Mbit/s
95th percentile per-packet one-way delay: 121.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.08 Mbit/s
95th percentile per-packet one-way delay: 121.435 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

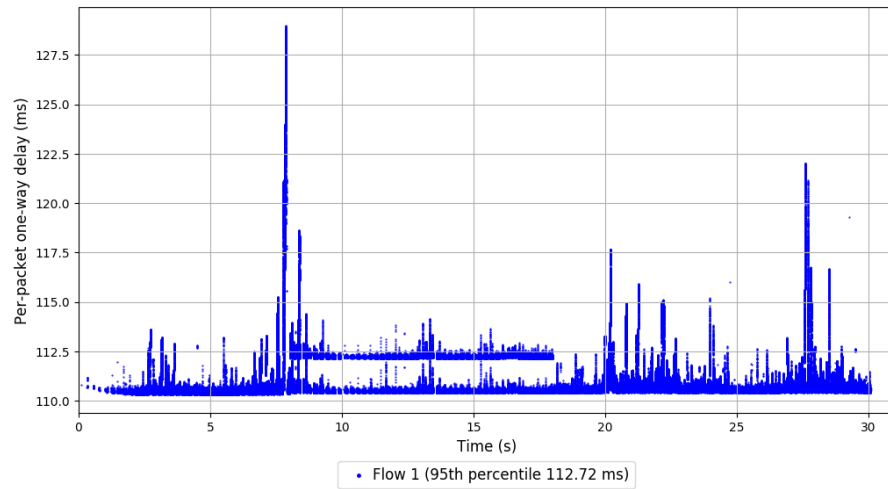
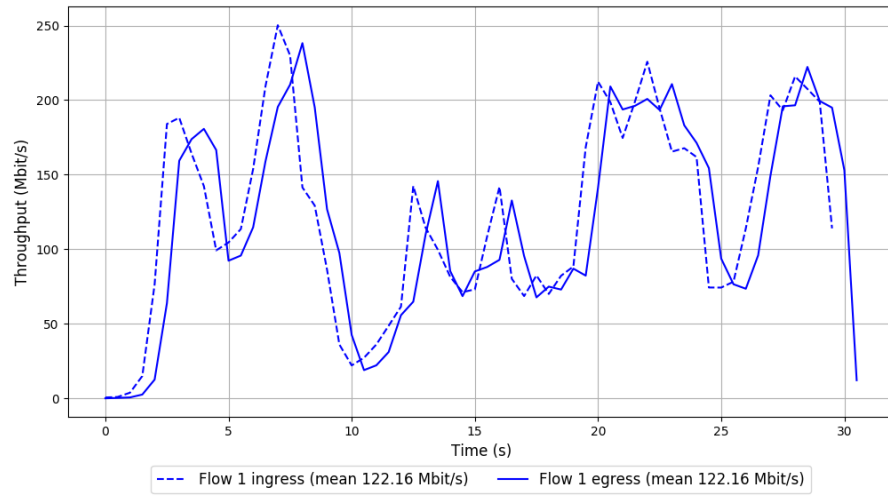


Run 9: Statistics of Copa

Start at: 2018-07-09 22:03:50
End at: 2018-07-09 22:04:20
Local clock offset: 0.285 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-09 22:58:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.16 Mbit/s
95th percentile per-packet one-way delay: 112.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.16 Mbit/s
95th percentile per-packet one-way delay: 112.723 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

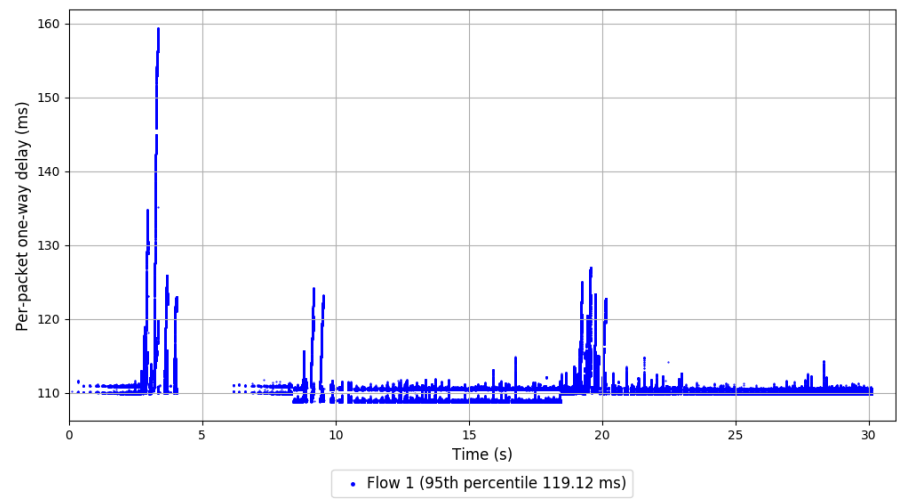
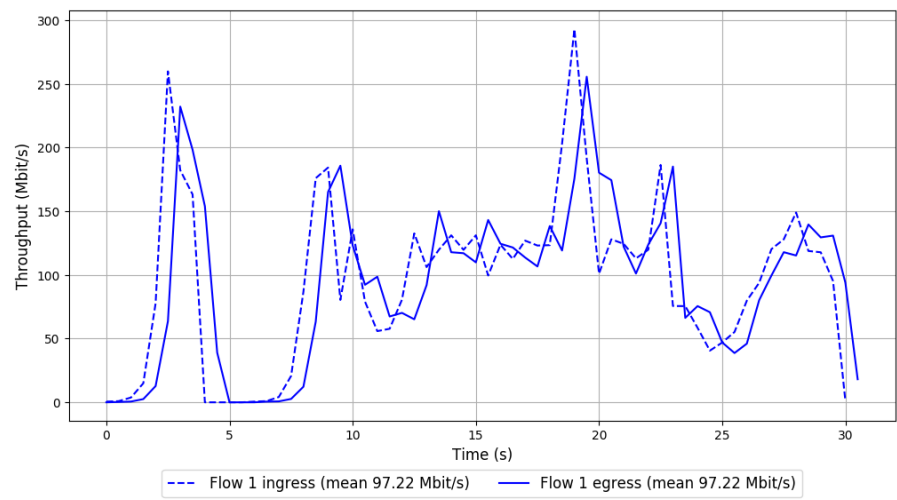


Run 10: Statistics of Copa

Start at: 2018-07-09 22:26:00
End at: 2018-07-09 22:26:30
Local clock offset: -0.041 ms
Remote clock offset: -0.475 ms

Below is generated by plot.py at 2018-07-09 22:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 119.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 119.122 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

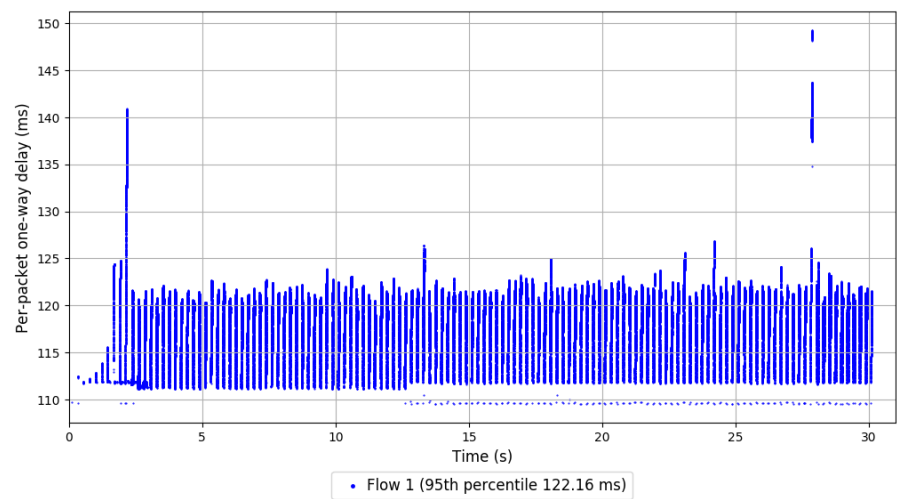
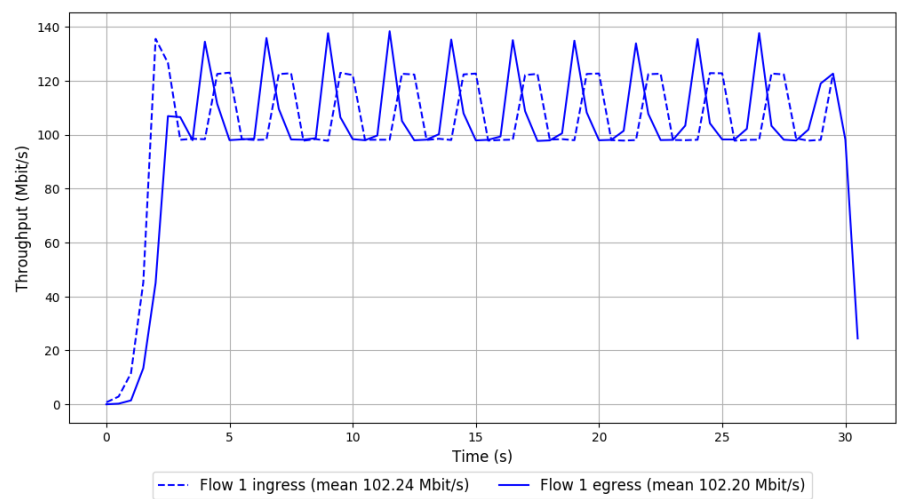


Run 1: Statistics of TCP Cubic

Start at: 2018-07-09 19:13:26
End at: 2018-07-09 19:13:56
Local clock offset: -0.222 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-09 22:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.20 Mbit/s
95th percentile per-packet one-way delay: 122.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.20 Mbit/s
95th percentile per-packet one-way delay: 122.164 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

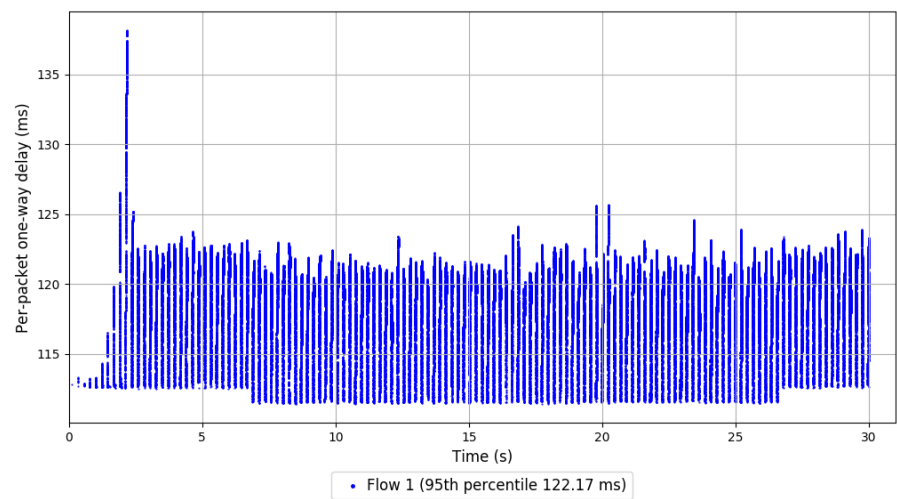
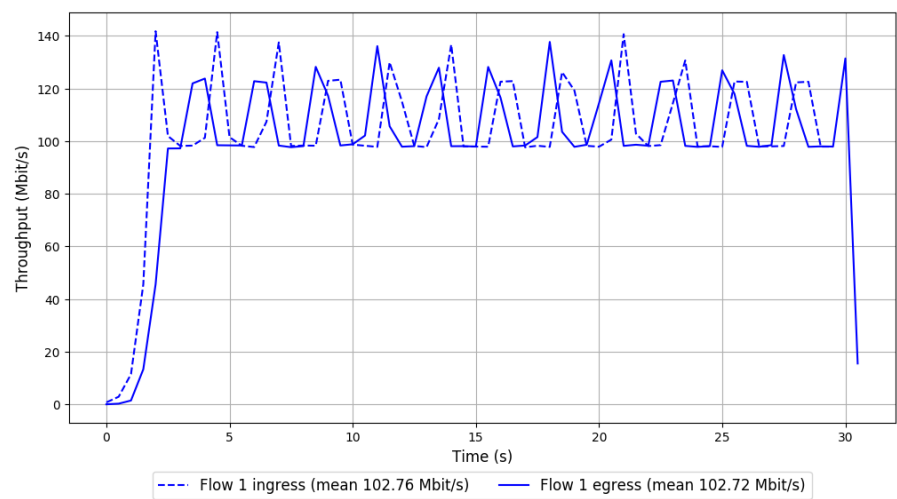


Run 2: Statistics of TCP Cubic

Start at: 2018-07-09 19:35:52
End at: 2018-07-09 19:36:22
Local clock offset: -1.551 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-07-09 22:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.72 Mbit/s
95th percentile per-packet one-way delay: 122.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.72 Mbit/s
95th percentile per-packet one-way delay: 122.171 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

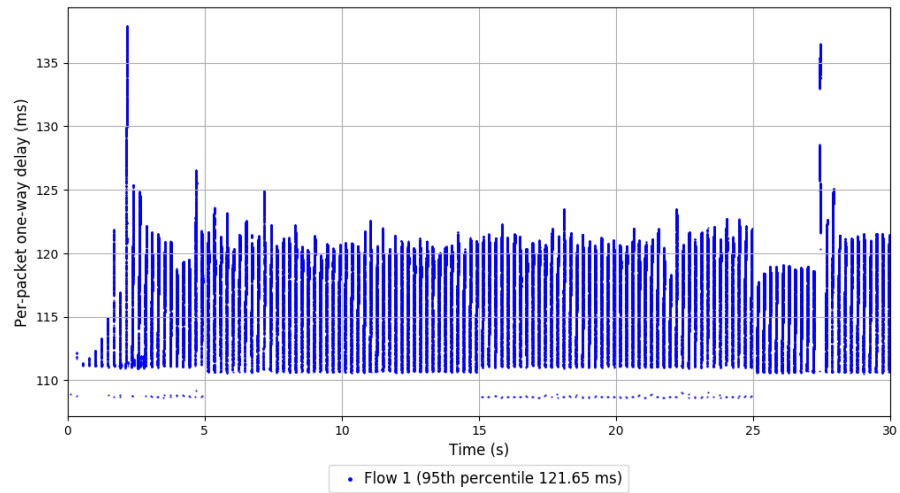
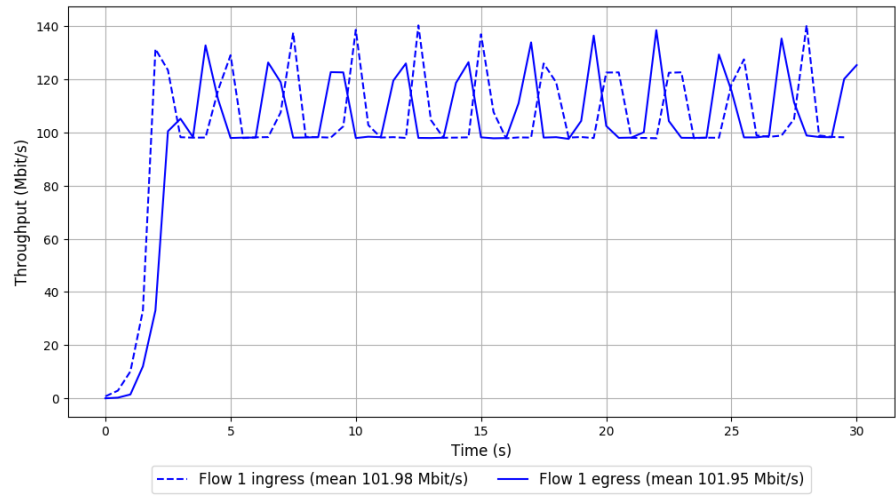


Run 3: Statistics of TCP Cubic

Start at: 2018-07-09 19:58:23
End at: 2018-07-09 19:58:53
Local clock offset: 0.019 ms
Remote clock offset: -0.567 ms

Below is generated by plot.py at 2018-07-09 22:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.95 Mbit/s
95th percentile per-packet one-way delay: 121.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.95 Mbit/s
95th percentile per-packet one-way delay: 121.647 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

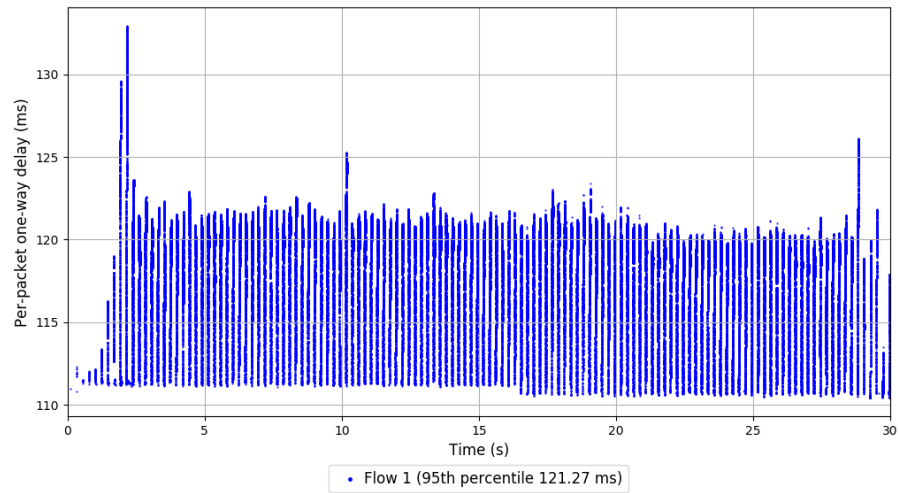
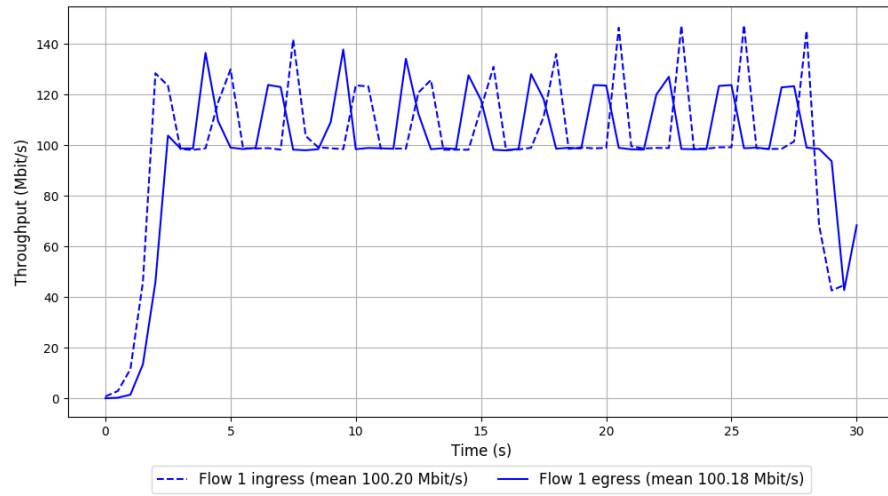


Run 4: Statistics of TCP Cubic

Start at: 2018-07-09 20:20:52
End at: 2018-07-09 20:21:22
Local clock offset: -0.089 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-07-09 22:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.18 Mbit/s
95th percentile per-packet one-way delay: 121.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.18 Mbit/s
95th percentile per-packet one-way delay: 121.273 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

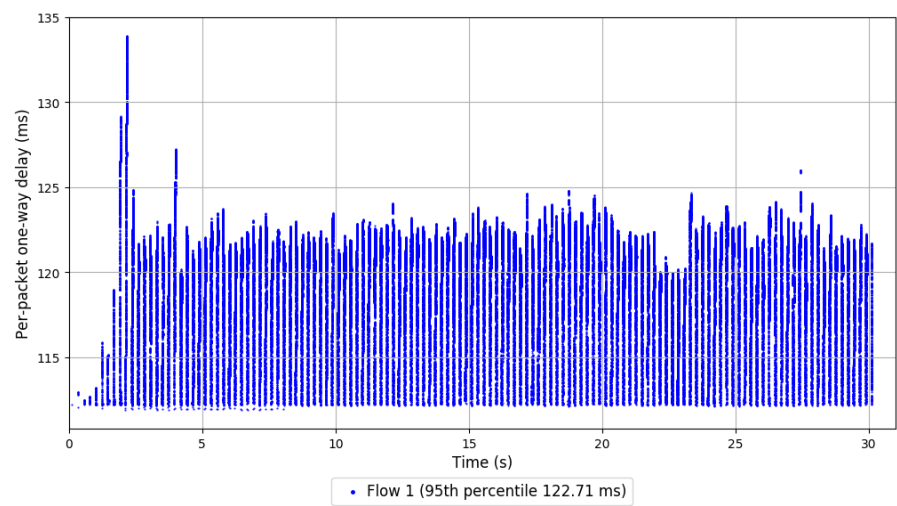
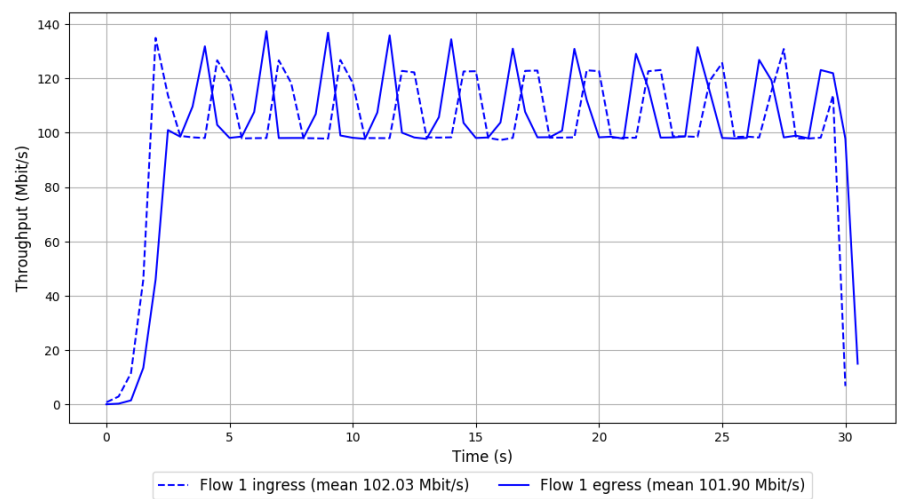


Run 5: Statistics of TCP Cubic

Start at: 2018-07-09 20:43:18
End at: 2018-07-09 20:43:48
Local clock offset: -1.388 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-09 22:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.90 Mbit/s
95th percentile per-packet one-way delay: 122.709 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 101.90 Mbit/s
95th percentile per-packet one-way delay: 122.709 ms
Loss rate: 0.13%

Run 5: Report of TCP Cubic — Data Link

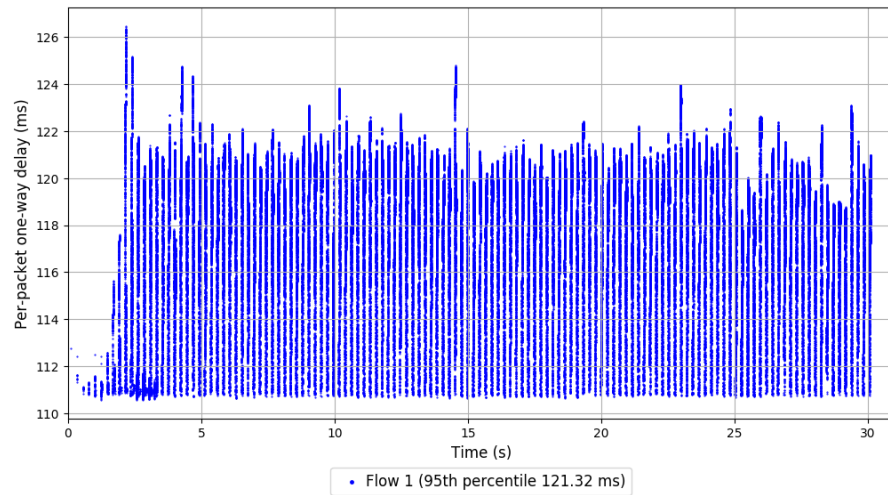
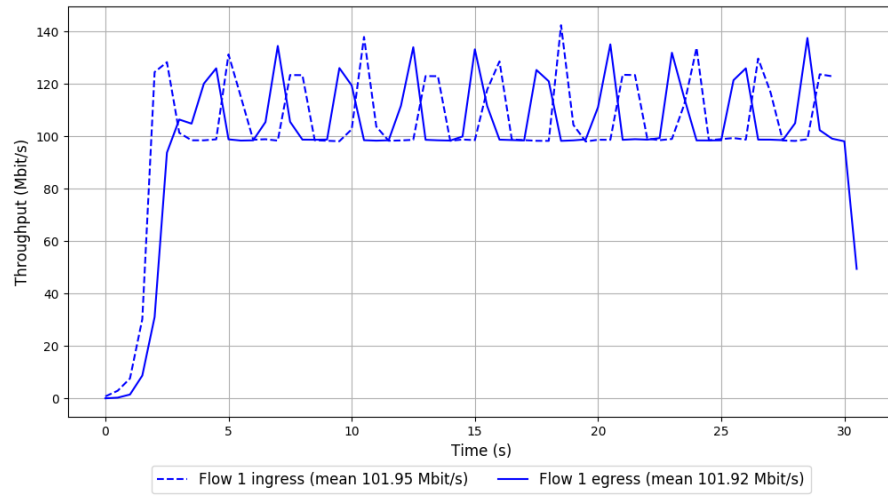


Run 6: Statistics of TCP Cubic

Start at: 2018-07-09 21:06:09
End at: 2018-07-09 21:06:39
Local clock offset: 0.14 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-09 22:59:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.92 Mbit/s
95th percentile per-packet one-way delay: 121.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.92 Mbit/s
95th percentile per-packet one-way delay: 121.324 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

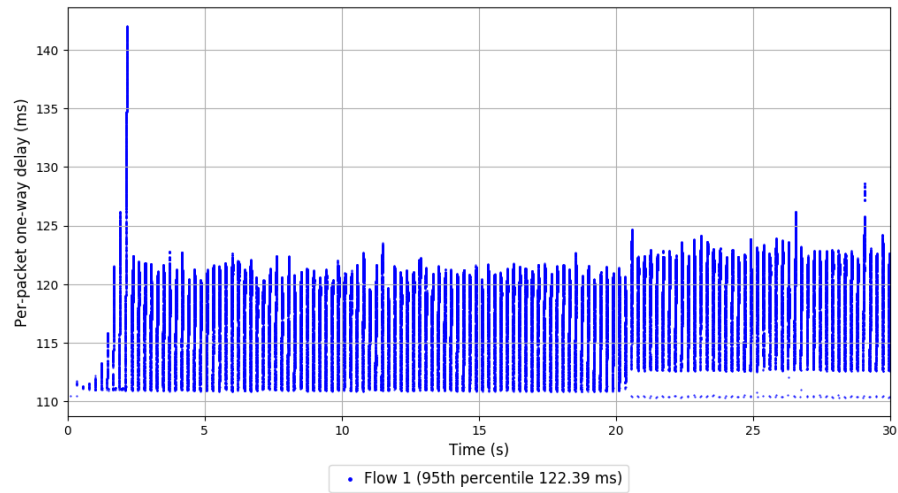
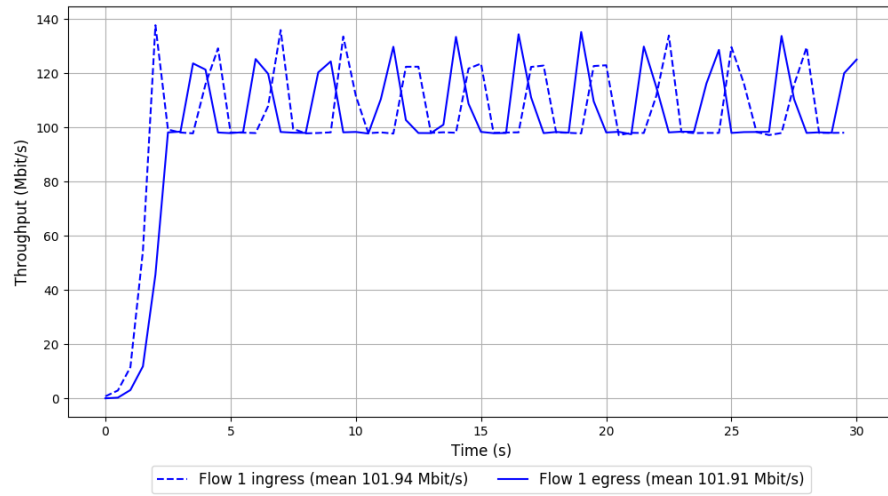


Run 7: Statistics of TCP Cubic

Start at: 2018-07-09 21:28:48
End at: 2018-07-09 21:29:18
Local clock offset: -0.1 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-09 22:59:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.91 Mbit/s
95th percentile per-packet one-way delay: 122.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.91 Mbit/s
95th percentile per-packet one-way delay: 122.388 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

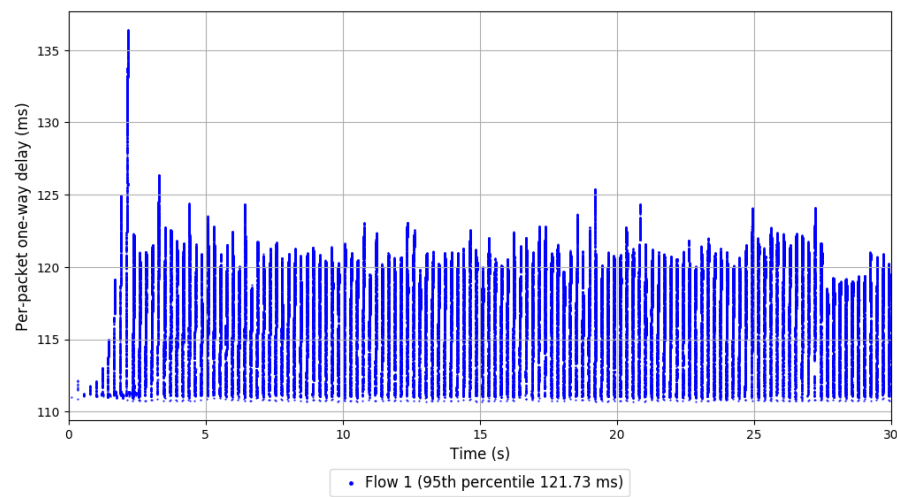
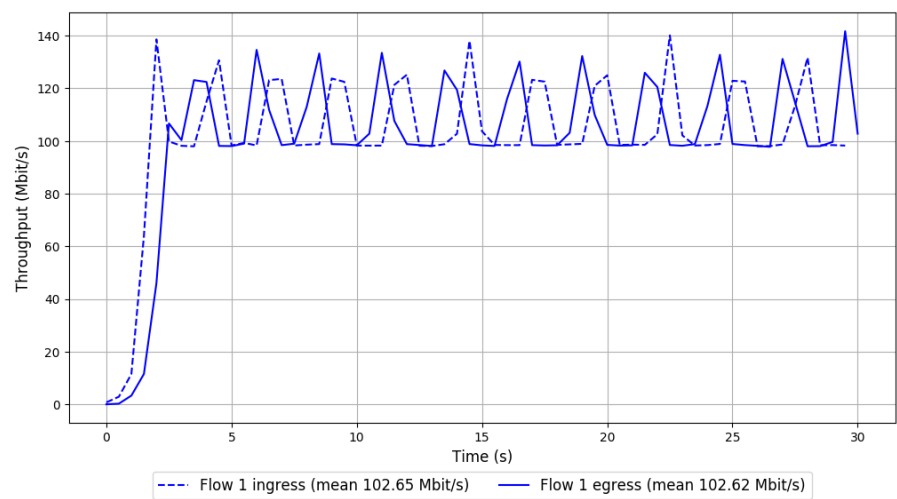


Run 8: Statistics of TCP Cubic

Start at: 2018-07-09 21:51:05
End at: 2018-07-09 21:51:35
Local clock offset: -0.083 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-09 22:59:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.62 Mbit/s
95th percentile per-packet one-way delay: 121.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.62 Mbit/s
95th percentile per-packet one-way delay: 121.734 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-09 22:13:00

End at: 2018-07-09 22:13:30

Local clock offset: -1.597 ms

Remote clock offset: 0.23 ms

Below is generated by plot.py at 2018-07-09 22:59:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.63 Mbit/s

95th percentile per-packet one-way delay: 125.422 ms

Loss rate: 0.01%

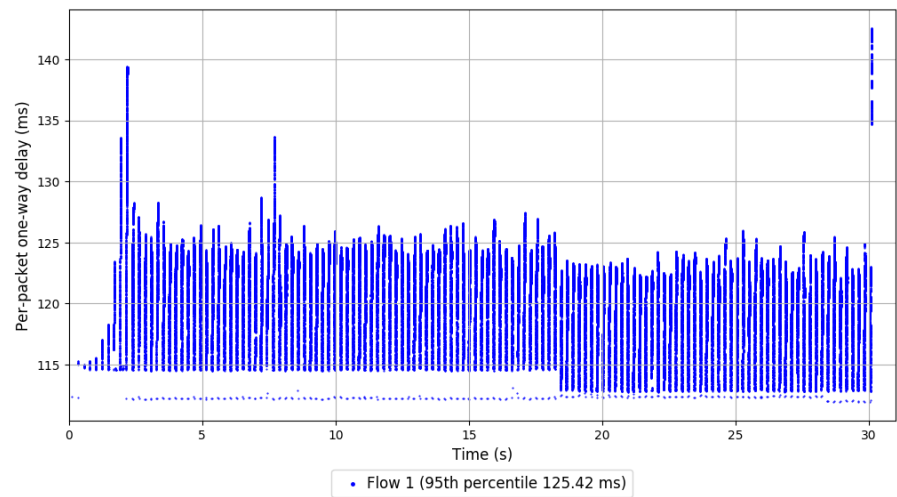
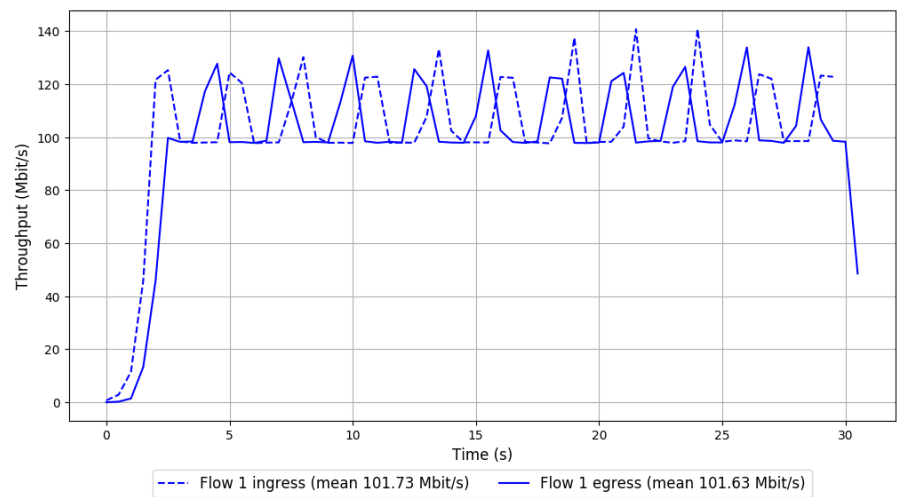
-- Flow 1:

Average throughput: 101.63 Mbit/s

95th percentile per-packet one-way delay: 125.422 ms

Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link

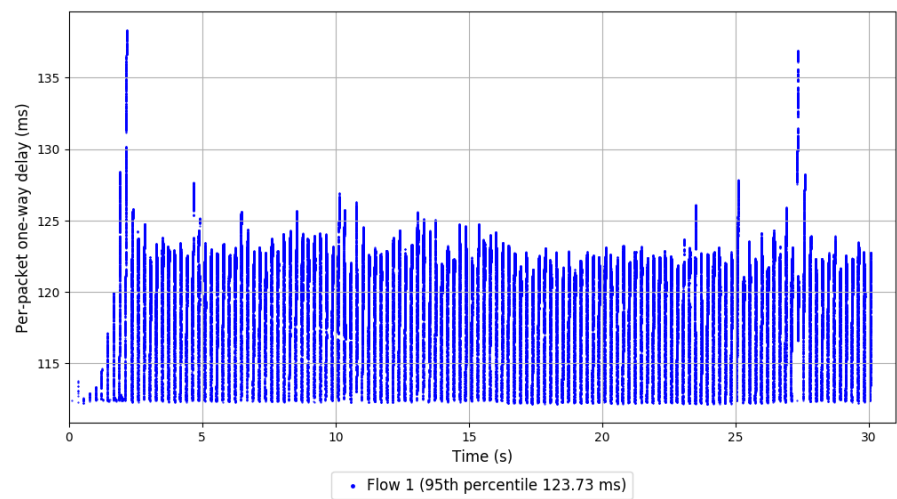
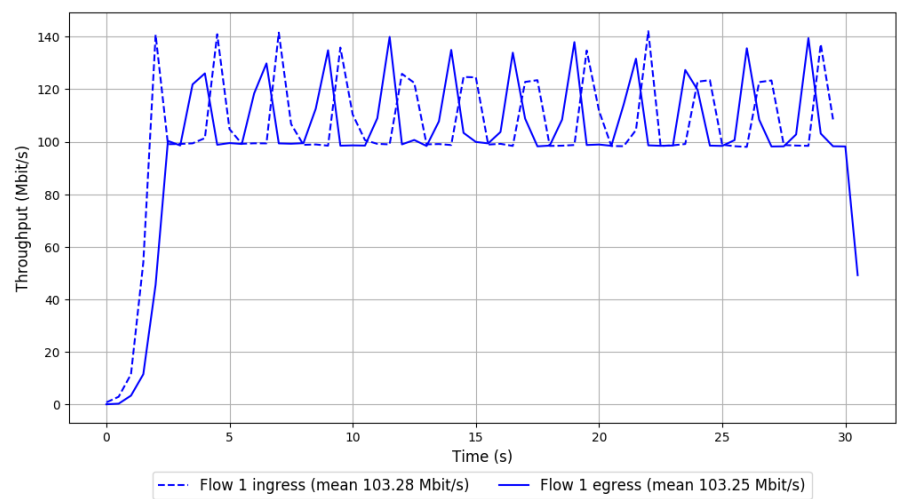


Run 10: Statistics of TCP Cubic

Start at: 2018-07-09 22:35:12
End at: 2018-07-09 22:35:42
Local clock offset: -1.353 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-09 22:59:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.25 Mbit/s
95th percentile per-packet one-way delay: 123.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.25 Mbit/s
95th percentile per-packet one-way delay: 123.726 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-09 18:57:50

End at: 2018-07-09 18:58:20

Local clock offset: -1.383 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2018-07-09 23:03:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.74 Mbit/s

95th percentile per-packet one-way delay: 319.027 ms

Loss rate: 3.94%

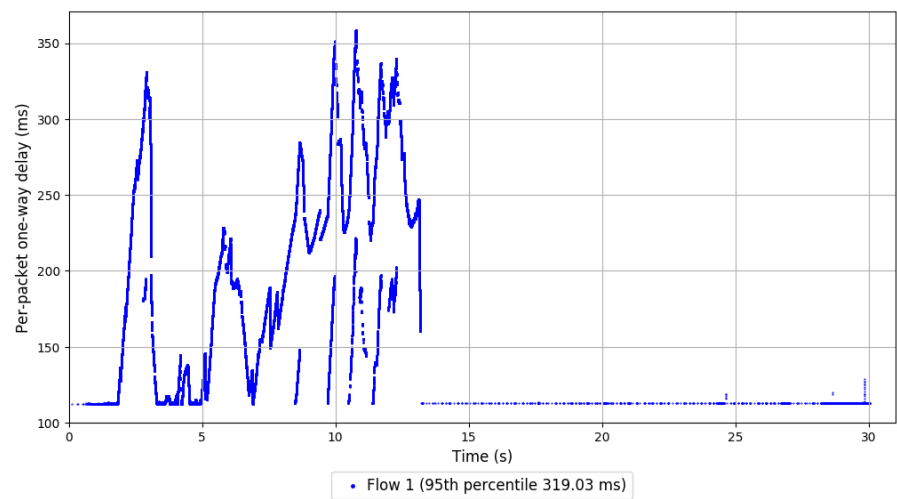
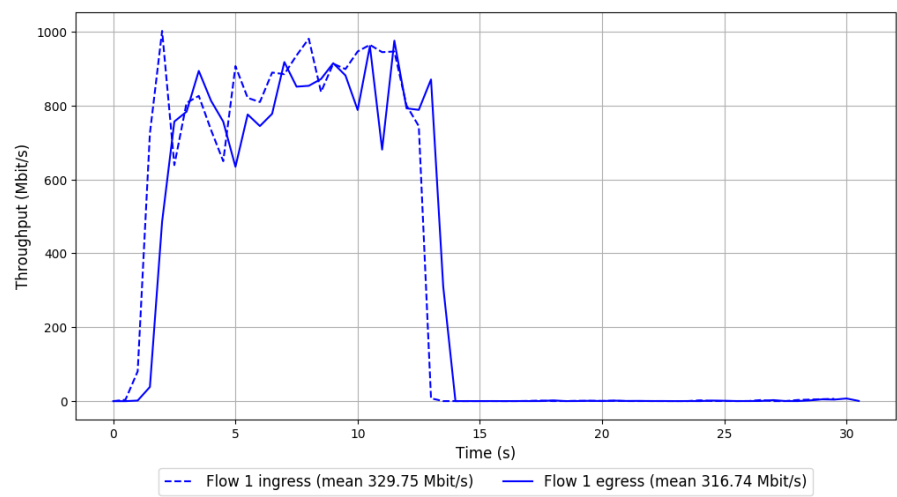
-- Flow 1:

Average throughput: 316.74 Mbit/s

95th percentile per-packet one-way delay: 319.027 ms

Loss rate: 3.94%

Run 1: Report of FillP — Data Link

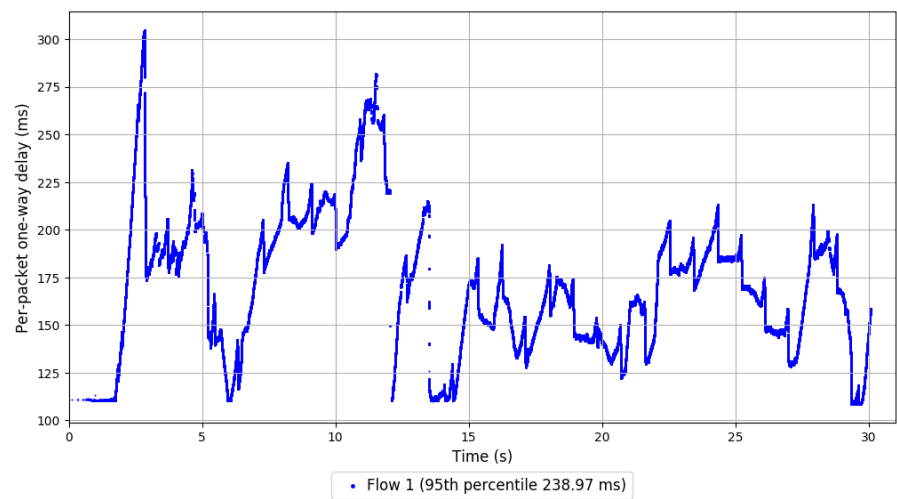
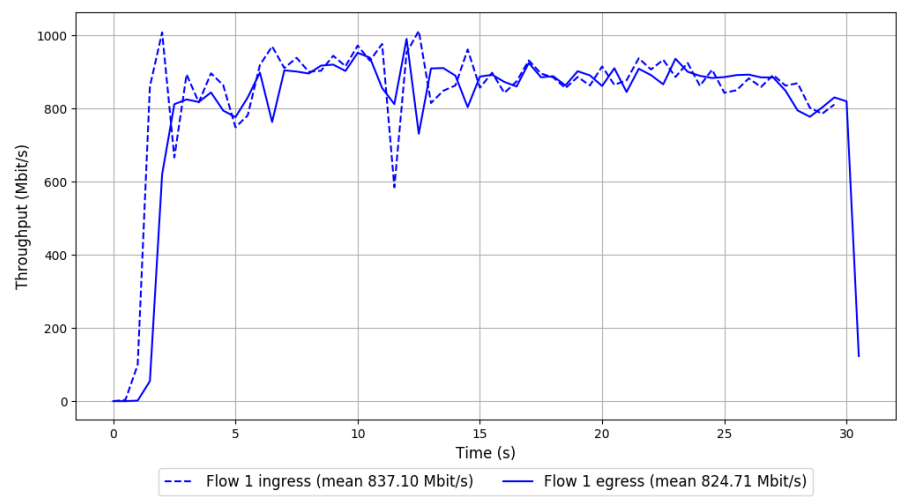


Run 2: Statistics of FillP

Start at: 2018-07-09 19:19:47
End at: 2018-07-09 19:20:17
Local clock offset: 0.093 ms
Remote clock offset: -0.545 ms

Below is generated by plot.py at 2018-07-09 23:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 824.71 Mbit/s
95th percentile per-packet one-way delay: 238.969 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 824.71 Mbit/s
95th percentile per-packet one-way delay: 238.969 ms
Loss rate: 1.48%

Run 2: Report of FillP — Data Link

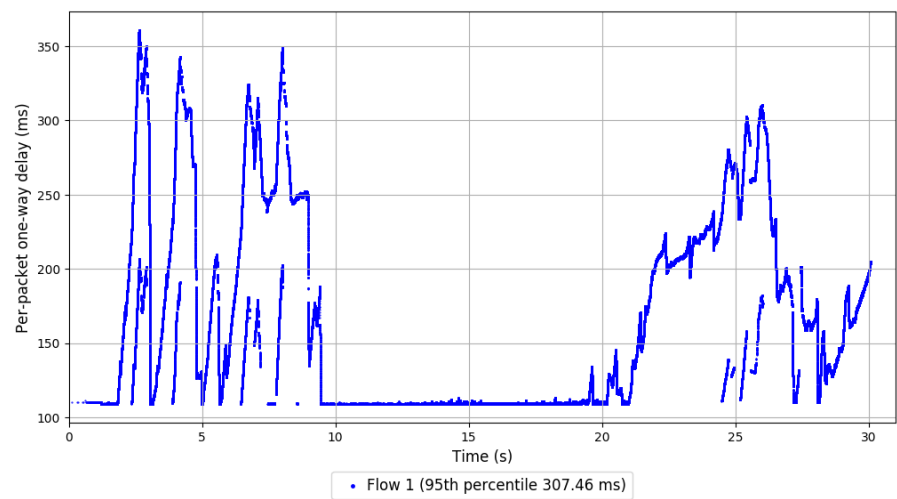
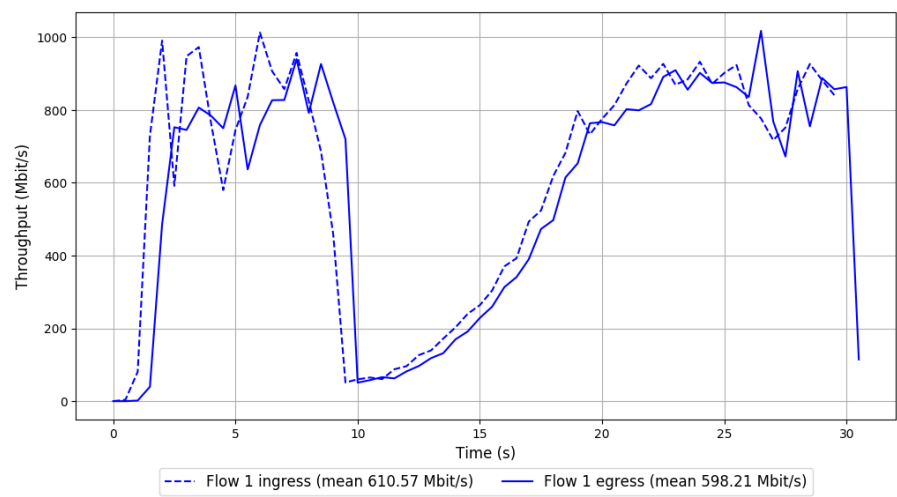


Run 3: Statistics of FillP

Start at: 2018-07-09 19:42:27
End at: 2018-07-09 19:42:57
Local clock offset: 0.128 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-07-09 23:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 598.21 Mbit/s
95th percentile per-packet one-way delay: 307.457 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 598.21 Mbit/s
95th percentile per-packet one-way delay: 307.457 ms
Loss rate: 2.02%

Run 3: Report of FillP — Data Link

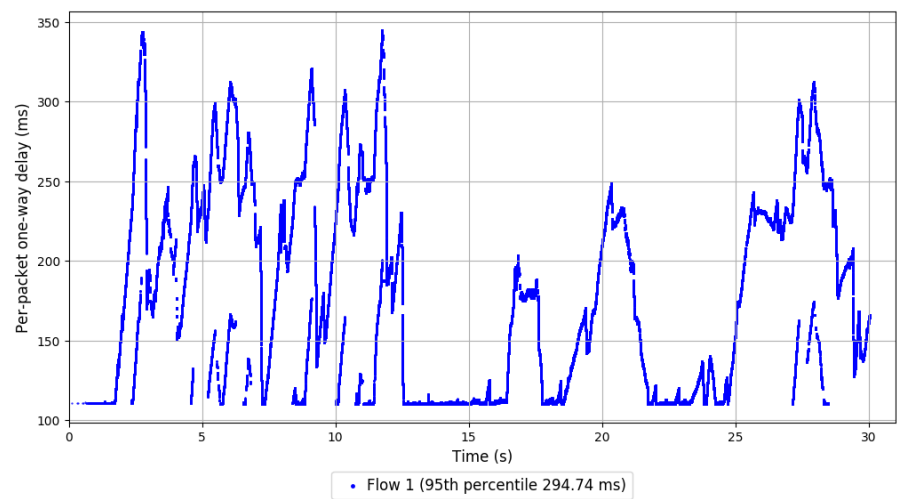
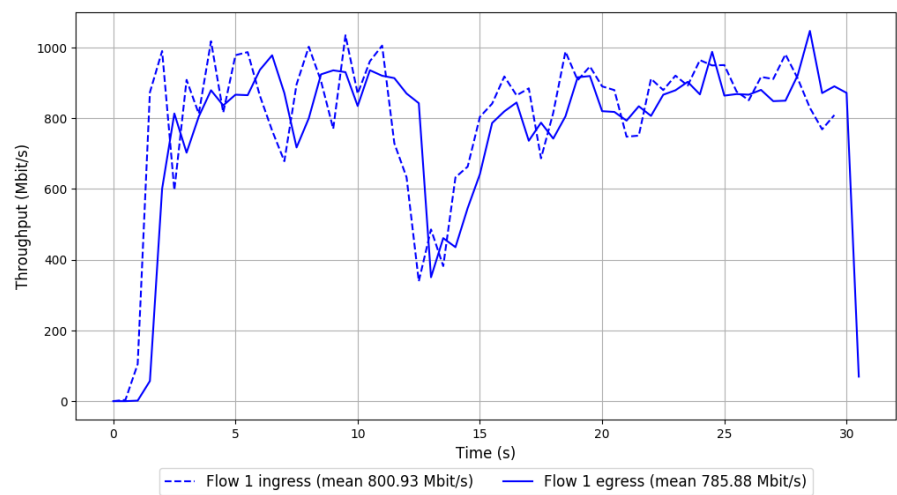


Run 4: Statistics of FillP

Start at: 2018-07-09 20:04:53
End at: 2018-07-09 20:05:23
Local clock offset: -0.052 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-09 23:13:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 785.88 Mbit/s
95th percentile per-packet one-way delay: 294.744 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 785.88 Mbit/s
95th percentile per-packet one-way delay: 294.744 ms
Loss rate: 1.88%

Run 4: Report of FillP — Data Link

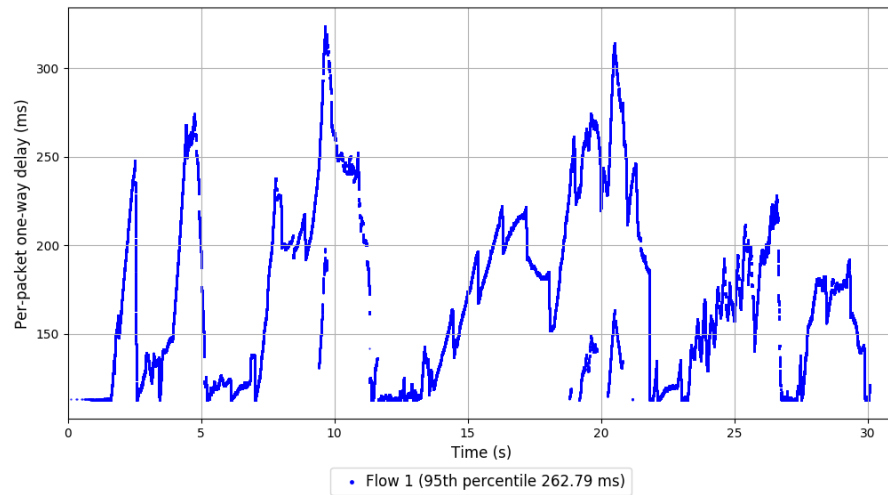
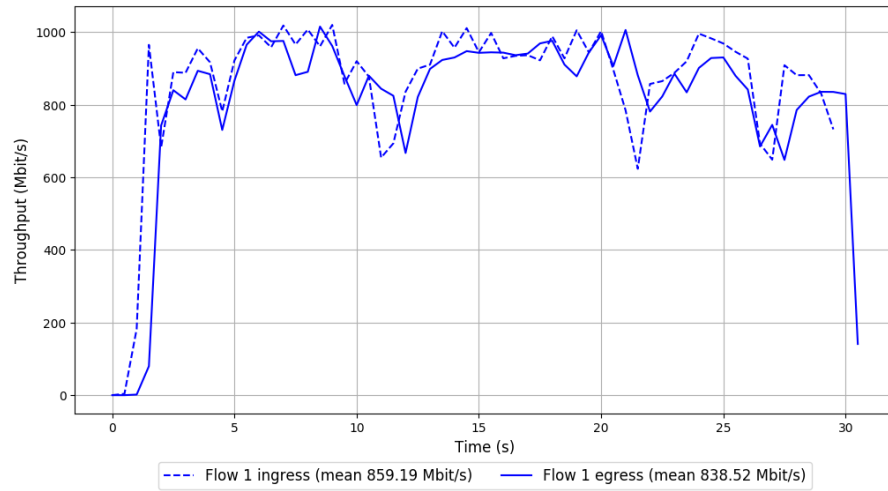


Run 5: Statistics of FillP

Start at: 2018-07-09 20:27:29
End at: 2018-07-09 20:27:59
Local clock offset: -1.612 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-09 23:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 838.52 Mbit/s
95th percentile per-packet one-way delay: 262.791 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 838.52 Mbit/s
95th percentile per-packet one-way delay: 262.791 ms
Loss rate: 2.40%

Run 5: Report of FillP — Data Link

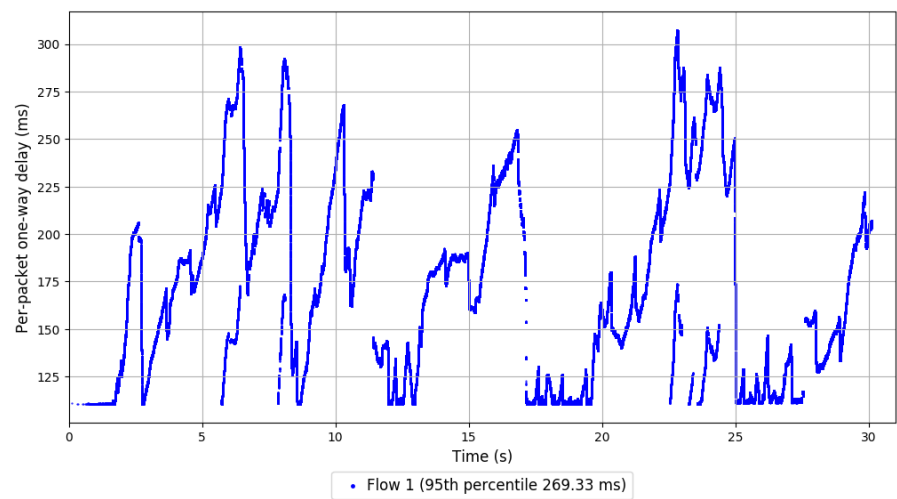
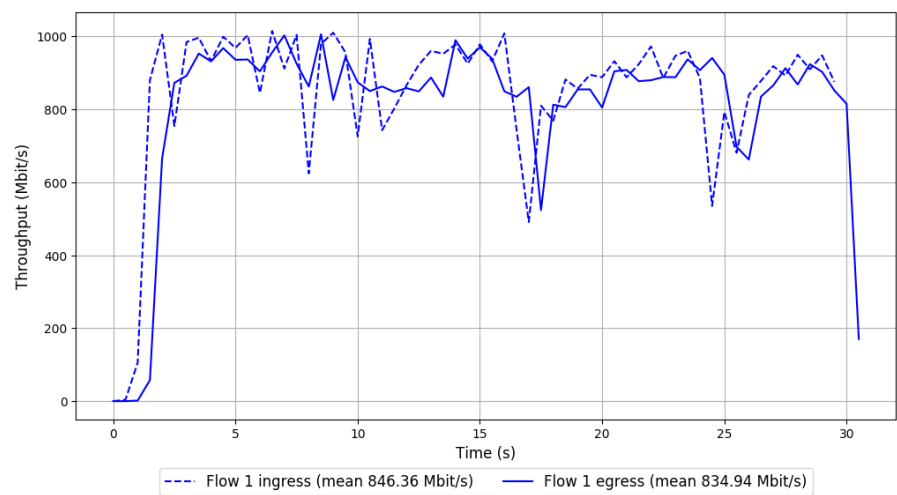


Run 6: Statistics of FillP

Start at: 2018-07-09 20:49:54
End at: 2018-07-09 20:50:24
Local clock offset: -0.184 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-07-09 23:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 834.94 Mbit/s
95th percentile per-packet one-way delay: 269.328 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 834.94 Mbit/s
95th percentile per-packet one-way delay: 269.328 ms
Loss rate: 1.27%

Run 6: Report of FillP — Data Link

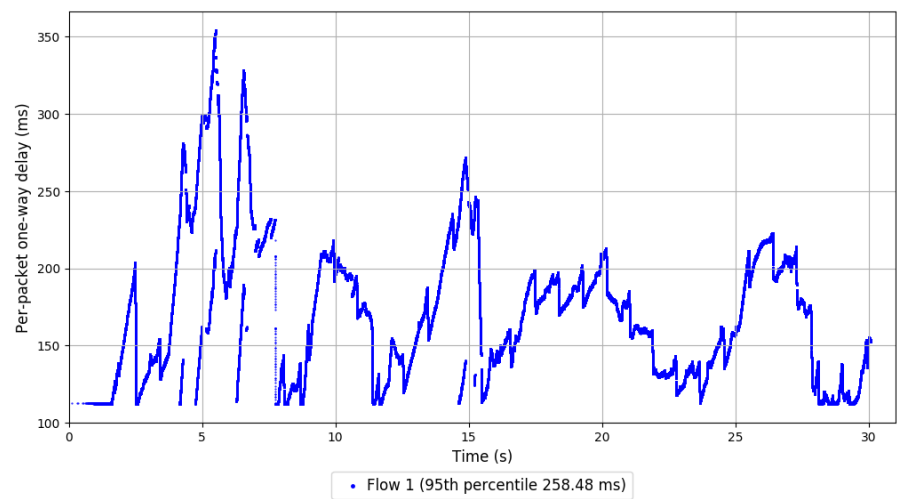
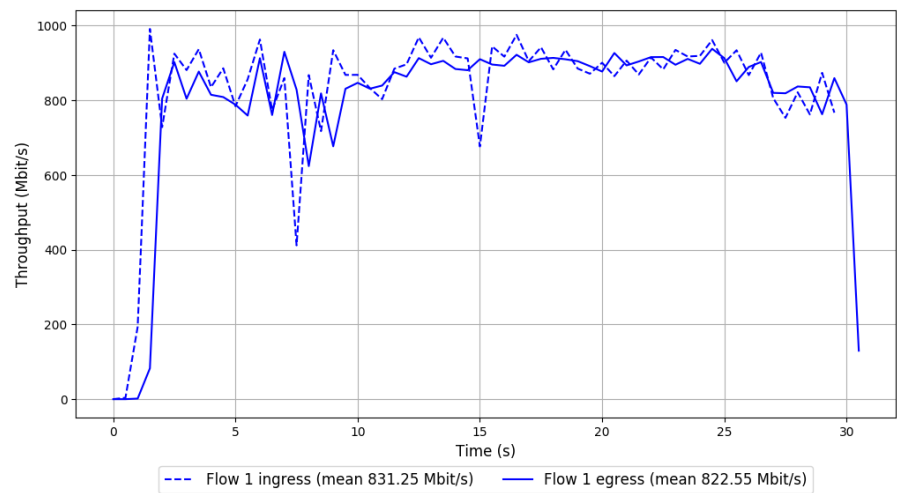


Run 7: Statistics of FillP

Start at: 2018-07-09 21:12:45
End at: 2018-07-09 21:13:15
Local clock offset: -1.578 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-09 23:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 822.55 Mbit/s
95th percentile per-packet one-way delay: 258.484 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 822.55 Mbit/s
95th percentile per-packet one-way delay: 258.484 ms
Loss rate: 1.01%

Run 7: Report of FillP — Data Link

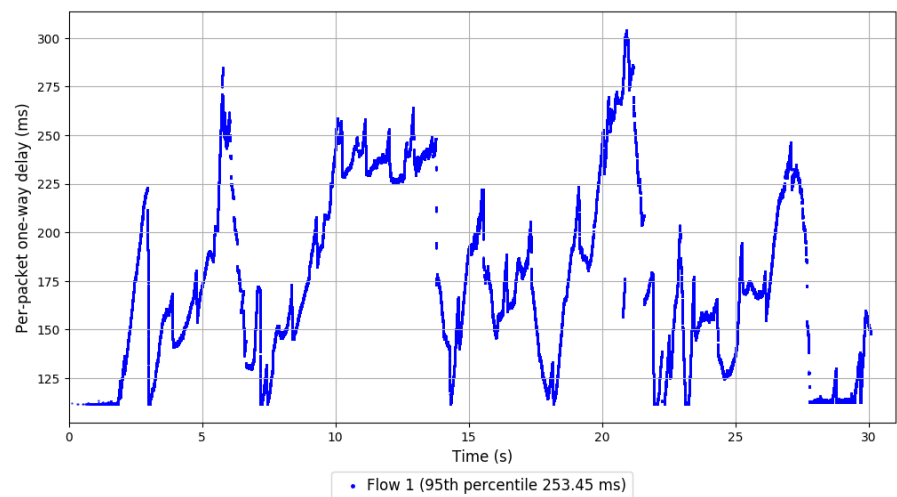
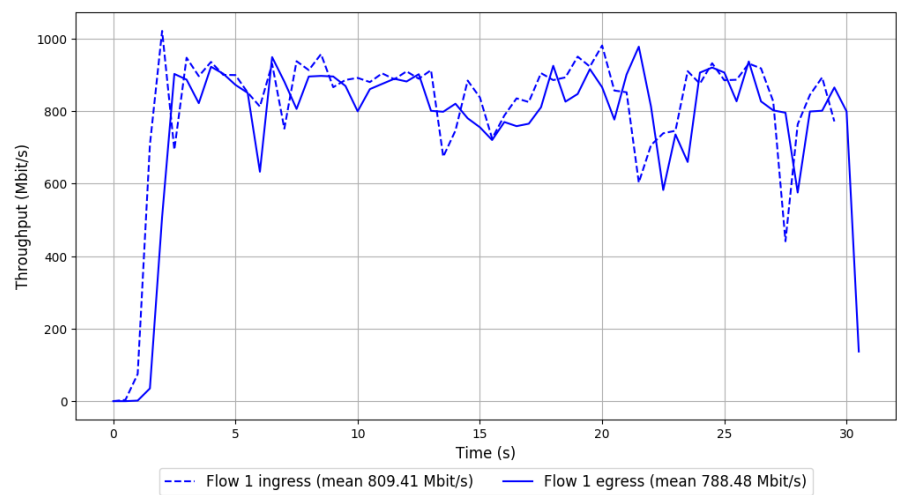


Run 8: Statistics of FillP

Start at: 2018-07-09 21:35:23
End at: 2018-07-09 21:35:53
Local clock offset: -1.35 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-07-09 23:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 788.48 Mbit/s
95th percentile per-packet one-way delay: 253.446 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 788.48 Mbit/s
95th percentile per-packet one-way delay: 253.446 ms
Loss rate: 2.58%

Run 8: Report of FillP — Data Link

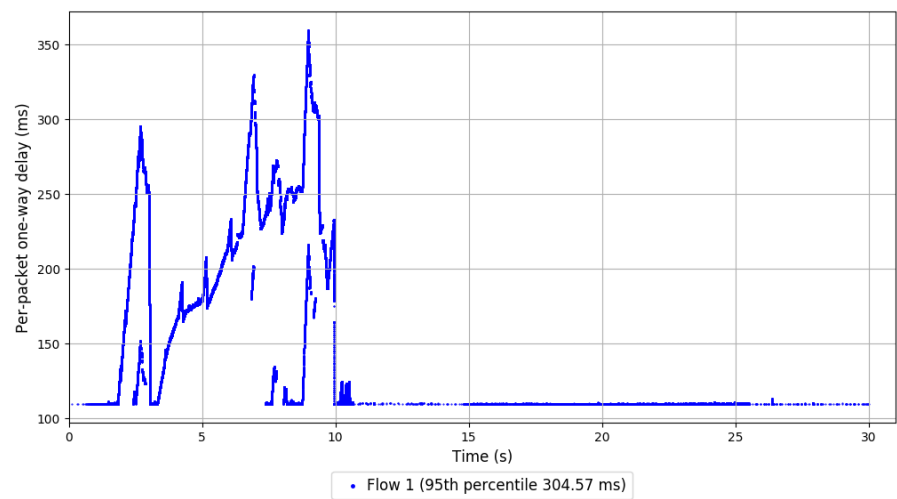
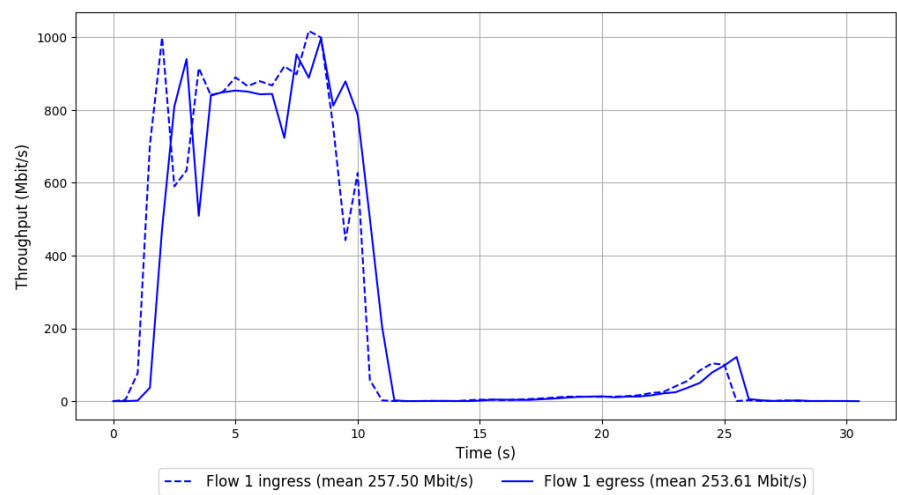


Run 9: Statistics of FillP

Start at: 2018-07-09 21:57:41
End at: 2018-07-09 21:58:11
Local clock offset: 1.117 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-09 23:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.61 Mbit/s
95th percentile per-packet one-way delay: 304.573 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 253.61 Mbit/s
95th percentile per-packet one-way delay: 304.573 ms
Loss rate: 1.51%

Run 9: Report of FillP — Data Link

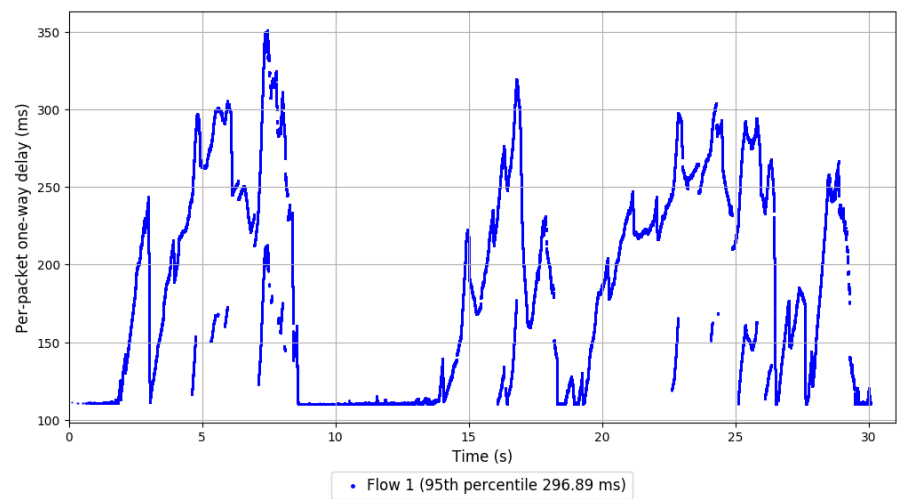
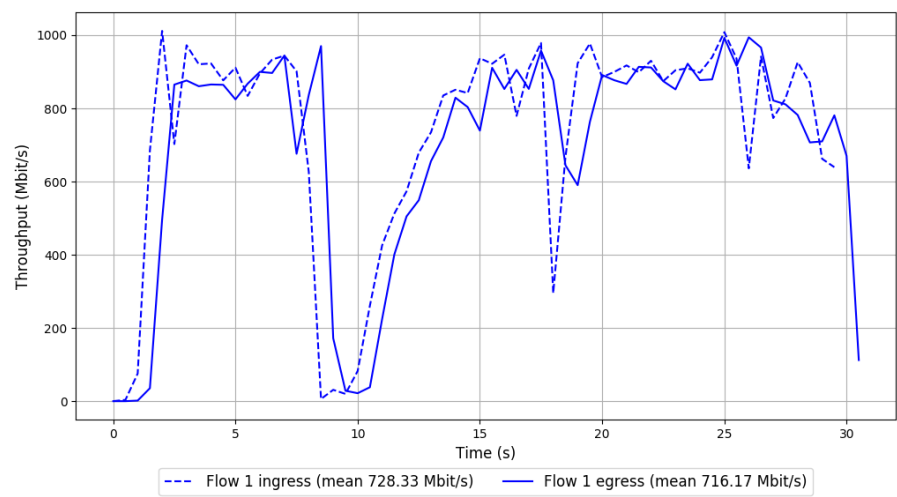


Run 10: Statistics of FillP

Start at: 2018-07-09 22:19:30
End at: 2018-07-09 22:20:00
Local clock offset: -0.088 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-09 23:22:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 716.17 Mbit/s
95th percentile per-packet one-way delay: 296.895 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 716.17 Mbit/s
95th percentile per-packet one-way delay: 296.895 ms
Loss rate: 1.67%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-09 19:11:57

End at: 2018-07-09 19:12:27

Local clock offset: 1.382 ms

Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-09 23:22:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 486.89 Mbit/s

95th percentile per-packet one-way delay: 295.939 ms

Loss rate: 4.33%

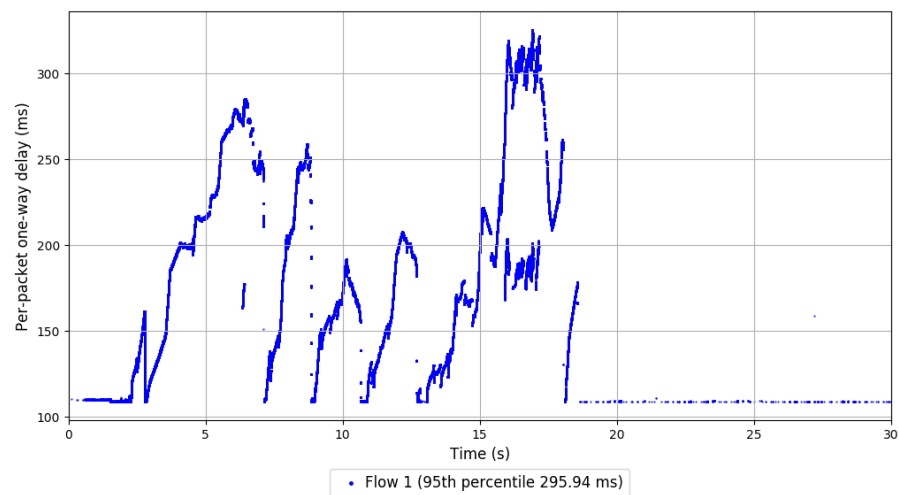
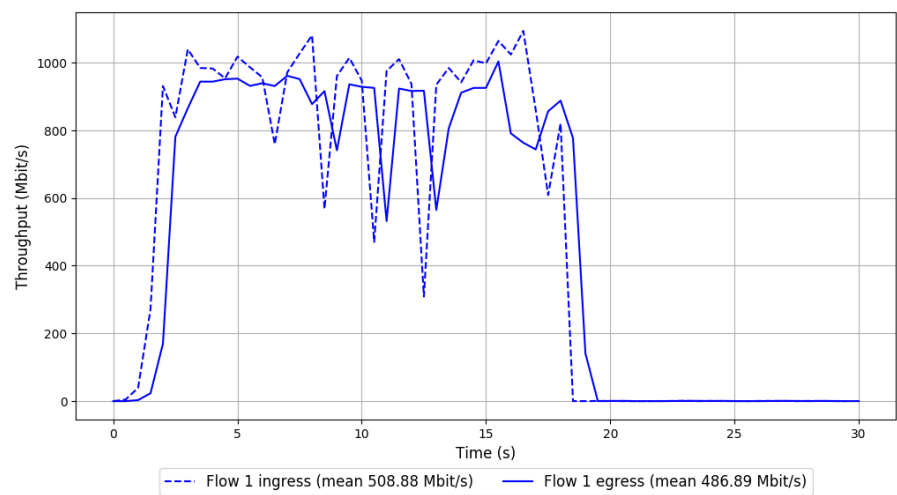
-- Flow 1:

Average throughput: 486.89 Mbit/s

95th percentile per-packet one-way delay: 295.939 ms

Loss rate: 4.33%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-09 19:34:09

End at: 2018-07-09 19:34:39

Local clock offset: -0.243 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2018-07-09 23:27:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 704.28 Mbit/s

95th percentile per-packet one-way delay: 336.815 ms

Loss rate: 12.43%

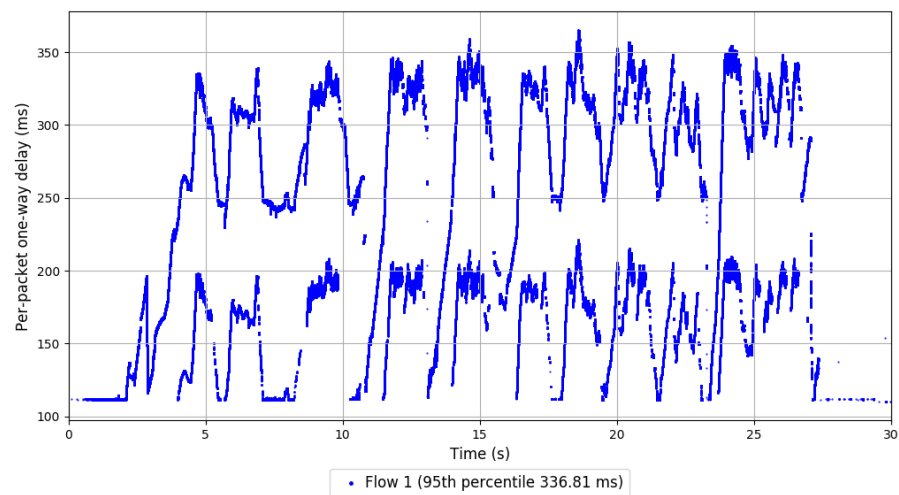
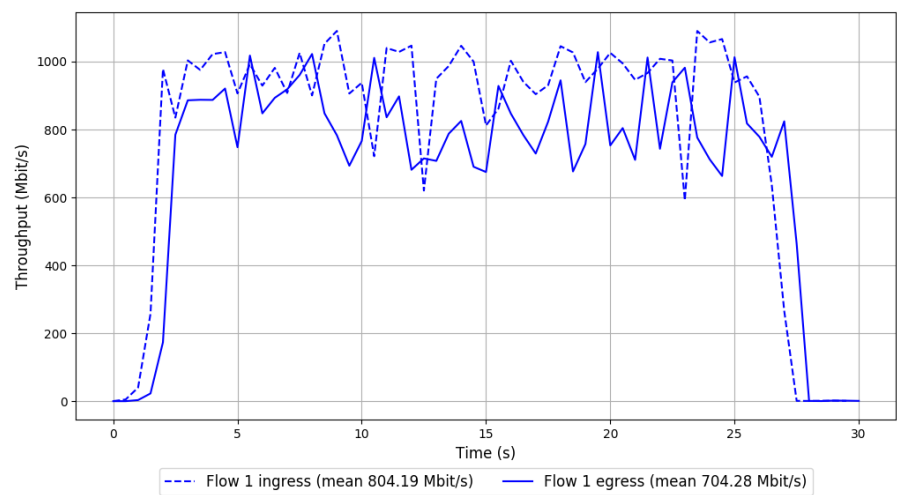
-- Flow 1:

Average throughput: 704.28 Mbit/s

95th percentile per-packet one-way delay: 336.815 ms

Loss rate: 12.43%

Run 2: Report of FillP-Sheep — Data Link

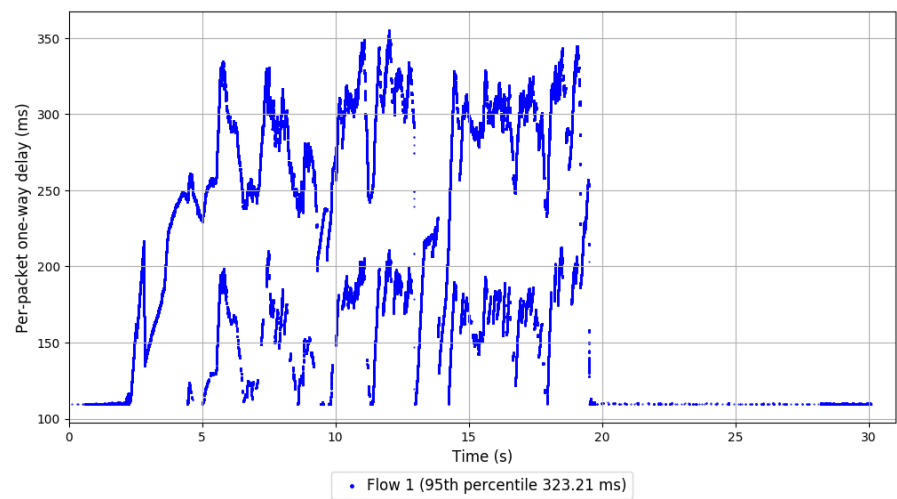
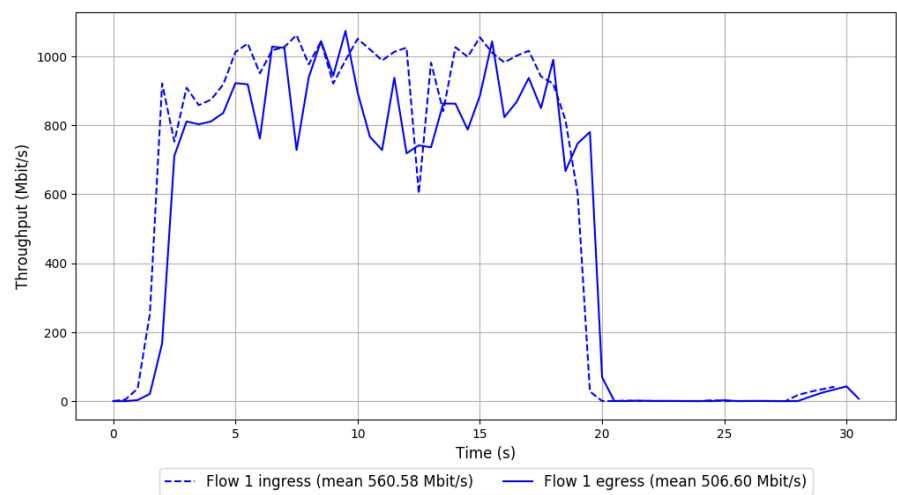


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-09 19:56:51
End at: 2018-07-09 19:57:21
Local clock offset: 0.928 ms
Remote clock offset: -0.559 ms

Below is generated by plot.py at 2018-07-09 23:27:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.60 Mbit/s
95th percentile per-packet one-way delay: 323.206 ms
Loss rate: 9.63%
-- Flow 1:
Average throughput: 506.60 Mbit/s
95th percentile per-packet one-way delay: 323.206 ms
Loss rate: 9.63%

Run 3: Report of FillP-Sheep — Data Link

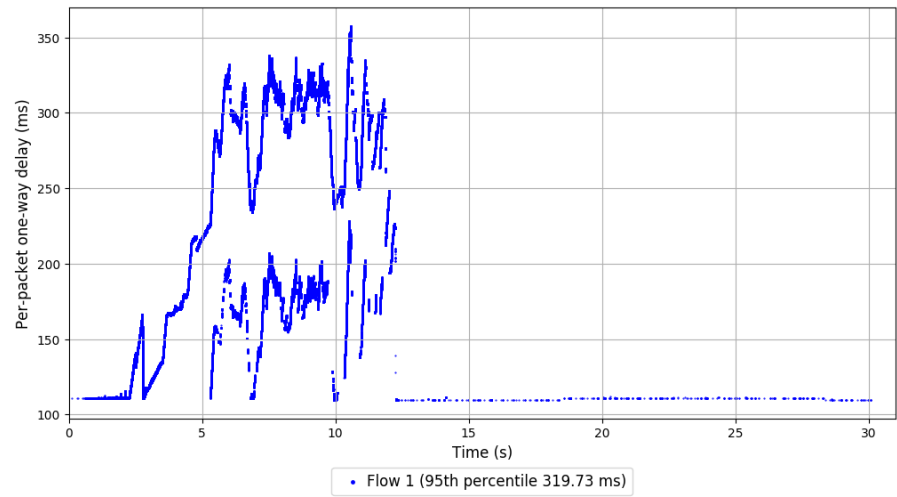
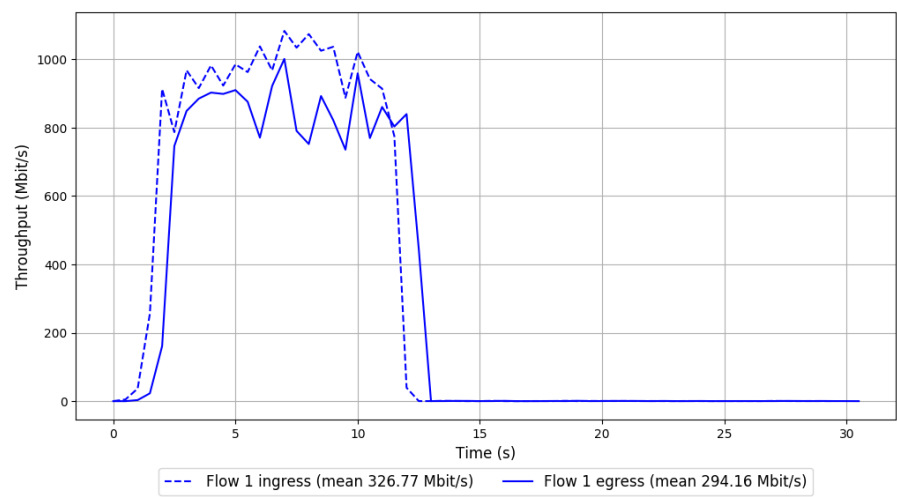


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-09 20:19:30
End at: 2018-07-09 20:20:00
Local clock offset: 0.001 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-09 23:27:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.16 Mbit/s
95th percentile per-packet one-way delay: 319.727 ms
Loss rate: 9.98%
-- Flow 1:
Average throughput: 294.16 Mbit/s
95th percentile per-packet one-way delay: 319.727 ms
Loss rate: 9.98%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-09 20:42:02

End at: 2018-07-09 20:42:32

Local clock offset: 1.154 ms

Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-09 23:27:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.32 Mbit/s

95th percentile per-packet one-way delay: 306.631 ms

Loss rate: 4.20%

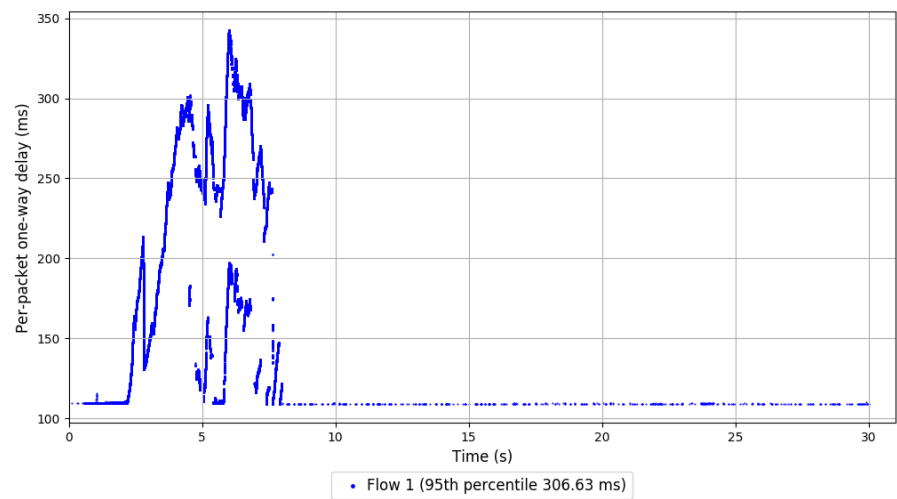
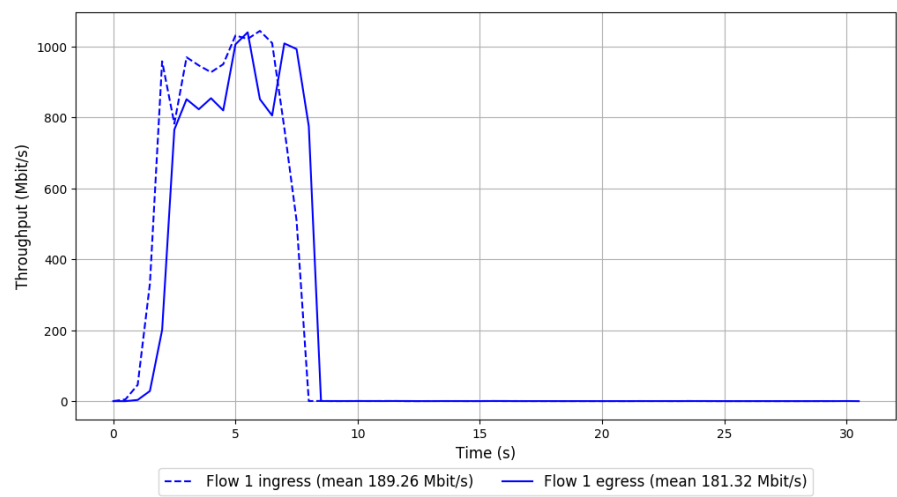
-- Flow 1:

Average throughput: 181.32 Mbit/s

95th percentile per-packet one-way delay: 306.631 ms

Loss rate: 4.20%

Run 5: Report of FillP-Sheep — Data Link

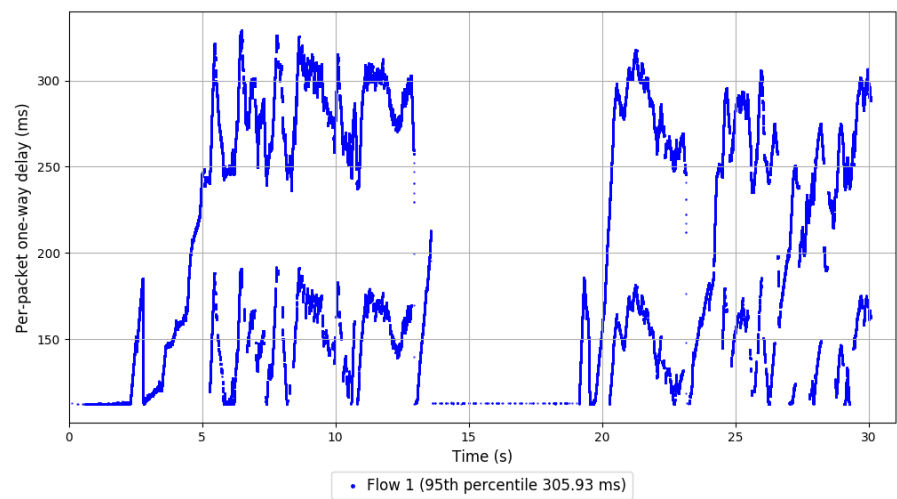
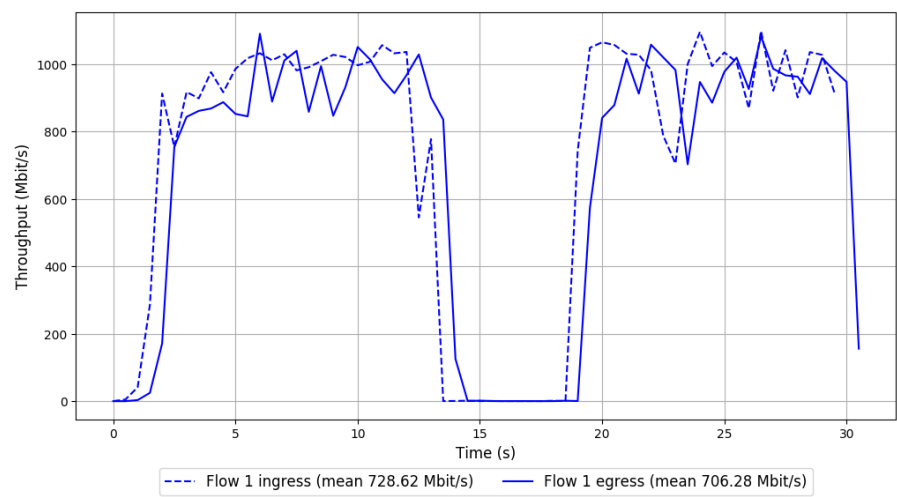


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-09 21:04:28
End at: 2018-07-09 21:04:58
Local clock offset: -1.329 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-07-09 23:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 706.28 Mbit/s
95th percentile per-packet one-way delay: 305.925 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 706.28 Mbit/s
95th percentile per-packet one-way delay: 305.925 ms
Loss rate: 3.06%

Run 6: Report of FillP-Sheep — Data Link

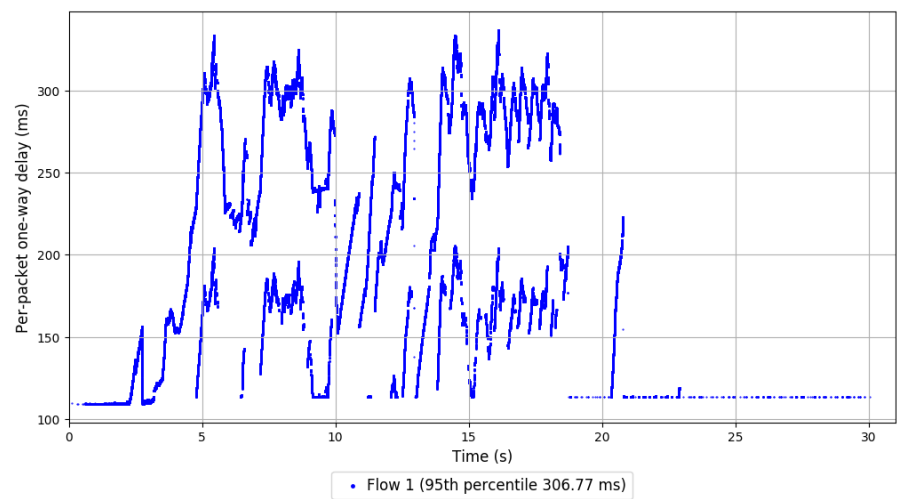
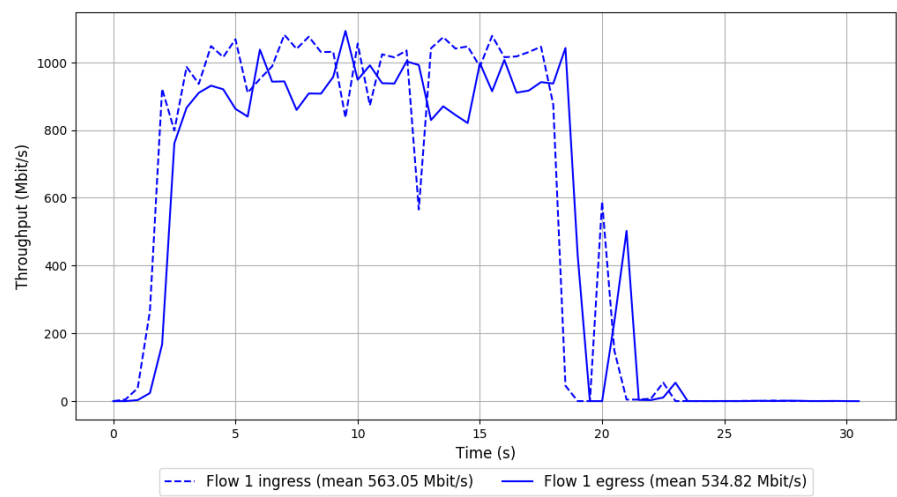


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-09 21:27:15
End at: 2018-07-09 21:27:45
Local clock offset: 1.282 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-09 23:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 534.82 Mbit/s
95th percentile per-packet one-way delay: 306.771 ms
Loss rate: 5.00%
-- Flow 1:
Average throughput: 534.82 Mbit/s
95th percentile per-packet one-way delay: 306.771 ms
Loss rate: 5.00%

Run 7: Report of FillP-Sheep — Data Link

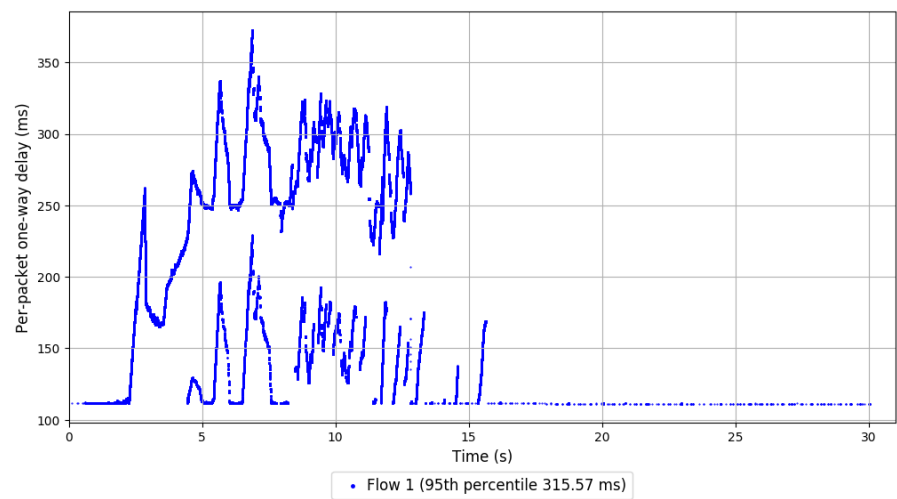
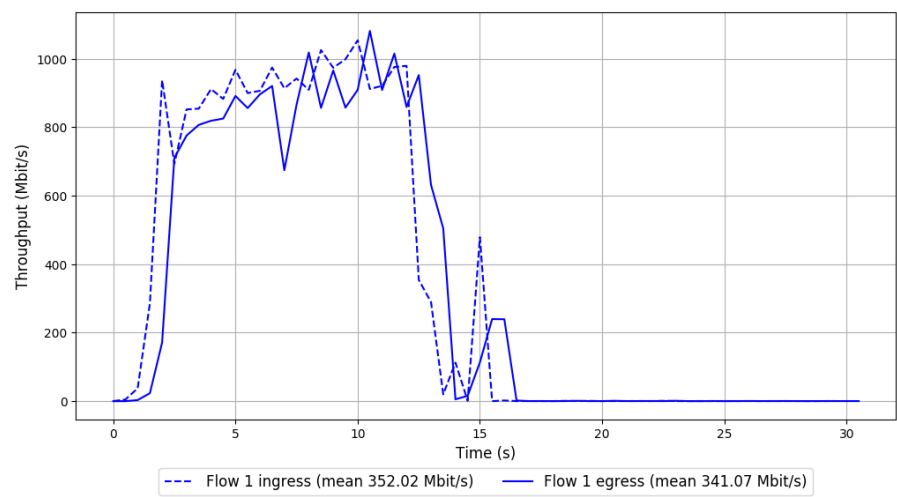


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-09 21:49:40
End at: 2018-07-09 21:50:10
Local clock offset: -0.097 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-09 23:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.07 Mbit/s
95th percentile per-packet one-way delay: 315.575 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 341.07 Mbit/s
95th percentile per-packet one-way delay: 315.575 ms
Loss rate: 3.11%

Run 8: Report of FillP-Sheep — Data Link

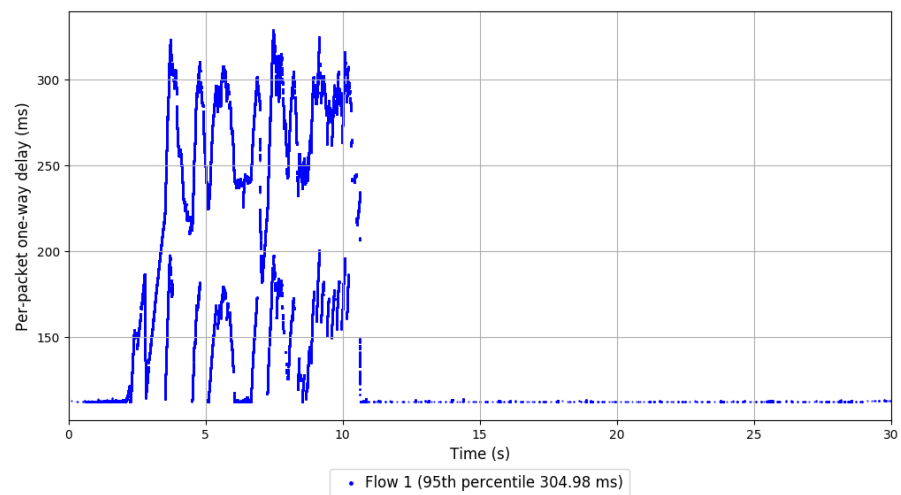
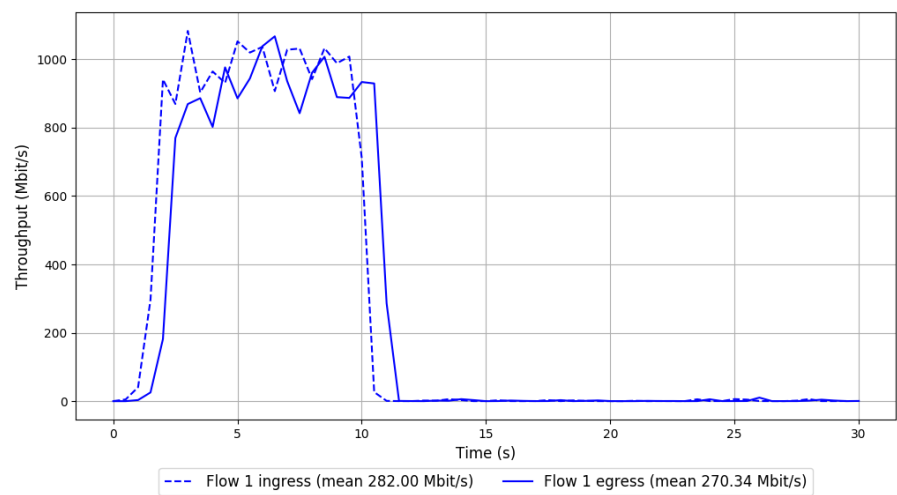


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-09 22:11:39
End at: 2018-07-09 22:12:09
Local clock offset: -1.19 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-09 23:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.34 Mbit/s
95th percentile per-packet one-way delay: 304.982 ms
Loss rate: 4.14%
-- Flow 1:
Average throughput: 270.34 Mbit/s
95th percentile per-packet one-way delay: 304.982 ms
Loss rate: 4.14%

Run 9: Report of FillP-Sheep — Data Link

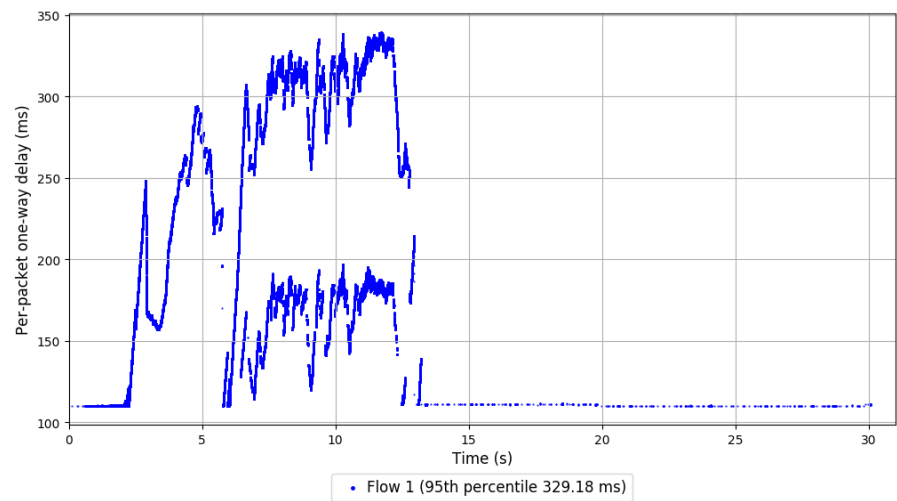
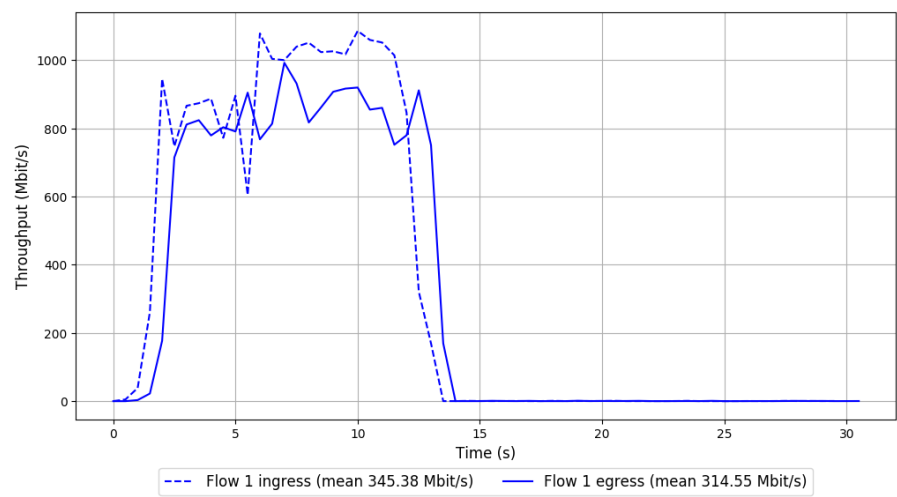


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-09 22:33:48
End at: 2018-07-09 22:34:18
Local clock offset: -0.146 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-07-09 23:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 314.55 Mbit/s
95th percentile per-packet one-way delay: 329.175 ms
Loss rate: 8.93%
-- Flow 1:
Average throughput: 314.55 Mbit/s
95th percentile per-packet one-way delay: 329.175 ms
Loss rate: 8.93%

Run 10: Report of FillP-Sheep — Data Link

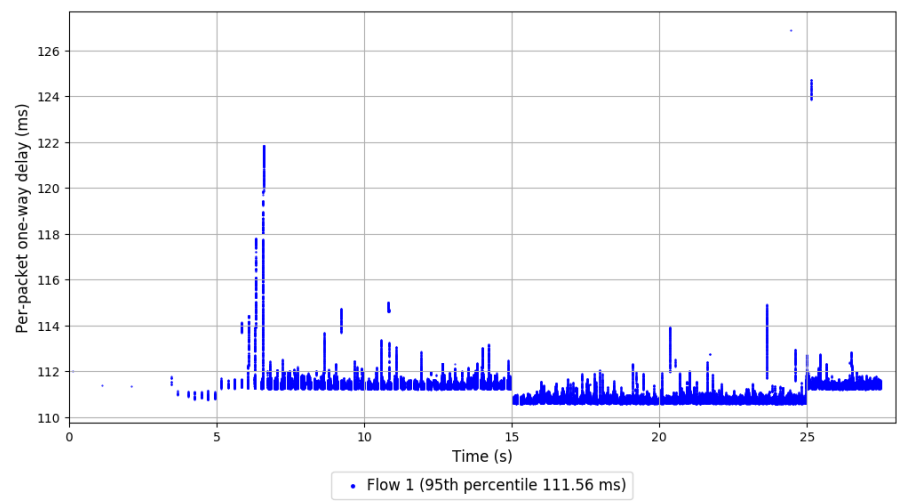
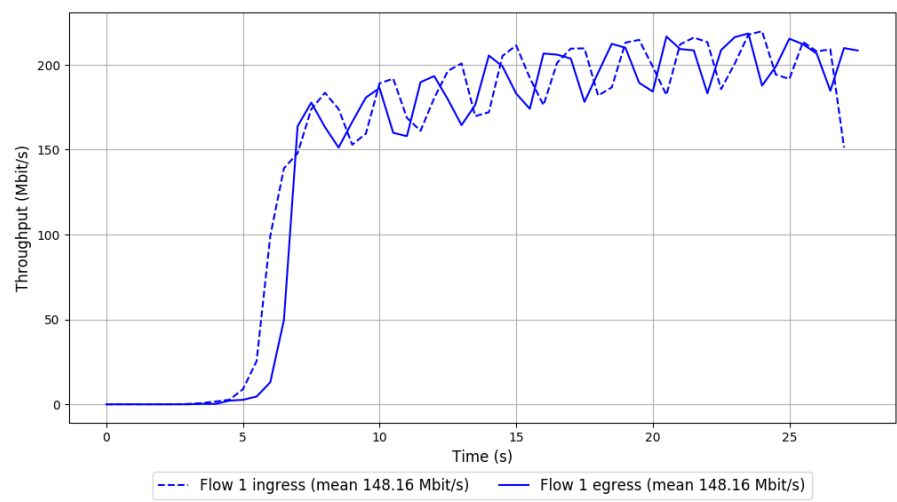


```
Run 1: Statistics of Indigo

Start at: 2018-07-09 19:02:41
End at: 2018-07-09 19:03:11
Local clock offset: 0.076 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2018-07-09 23:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.16 Mbit/s
95th percentile per-packet one-way delay: 111.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.16 Mbit/s
95th percentile per-packet one-way delay: 111.559 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

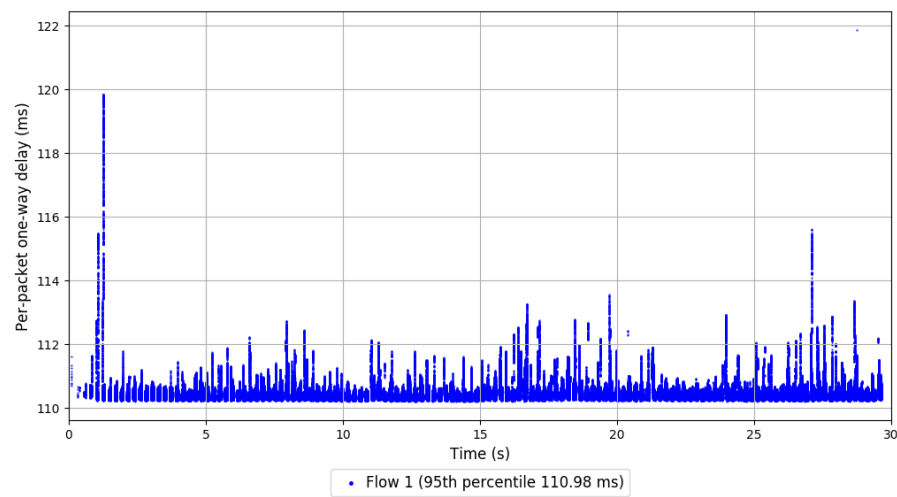
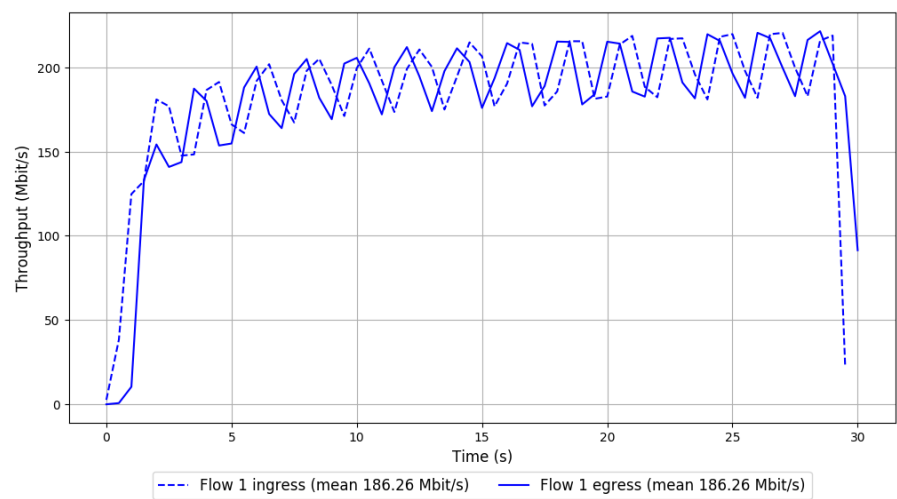


Run 2: Statistics of Indigo

Start at: 2018-07-09 19:25:03
End at: 2018-07-09 19:25:33
Local clock offset: -0.453 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-07-09 23:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.26 Mbit/s
95th percentile per-packet one-way delay: 110.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.26 Mbit/s
95th percentile per-packet one-way delay: 110.978 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-09 19:47:33

End at: 2018-07-09 19:48:03

Local clock offset: 0.008 ms

Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-07-09 23:28:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.41 Mbit/s

95th percentile per-packet one-way delay: 111.036 ms

Loss rate: 0.00%

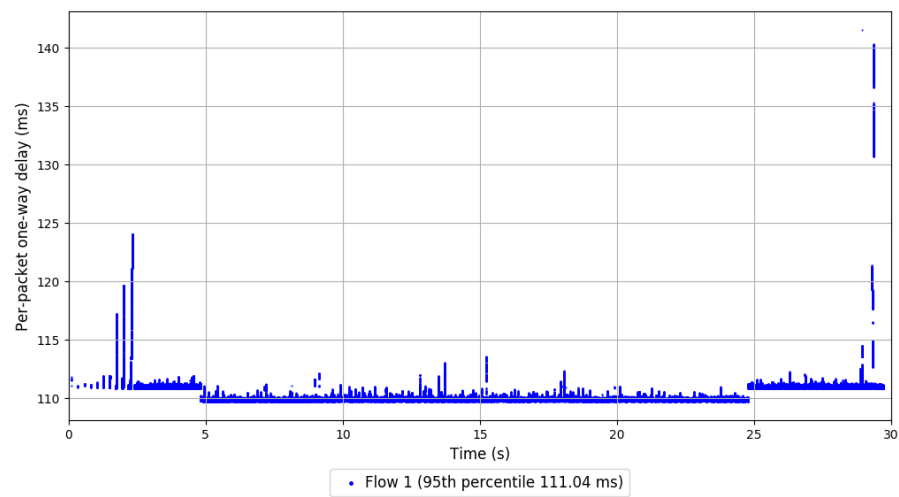
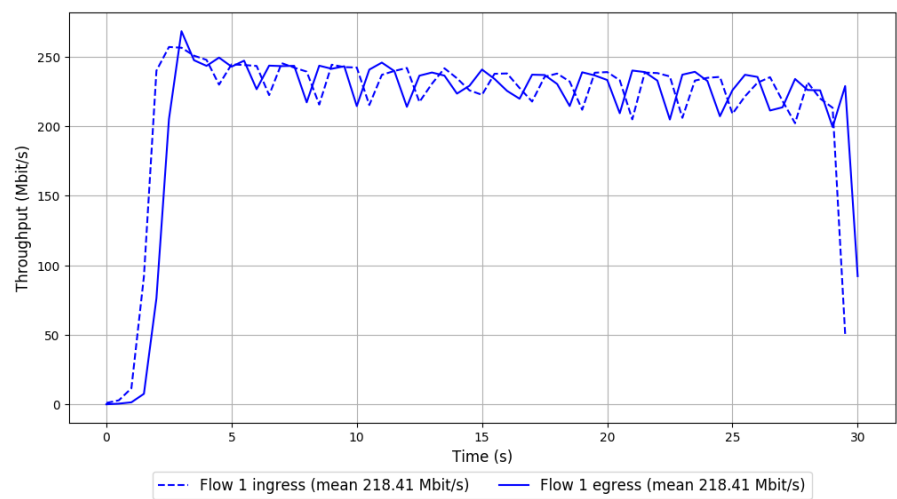
-- Flow 1:

Average throughput: 218.41 Mbit/s

95th percentile per-packet one-way delay: 111.036 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

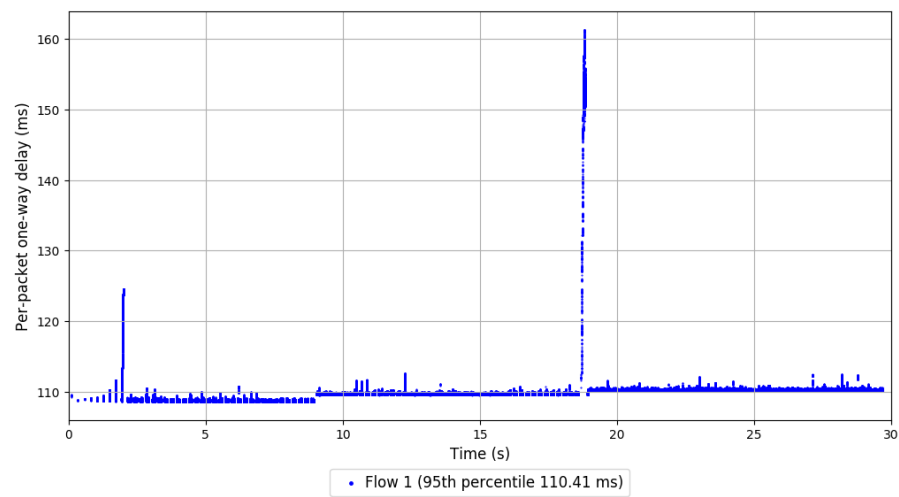
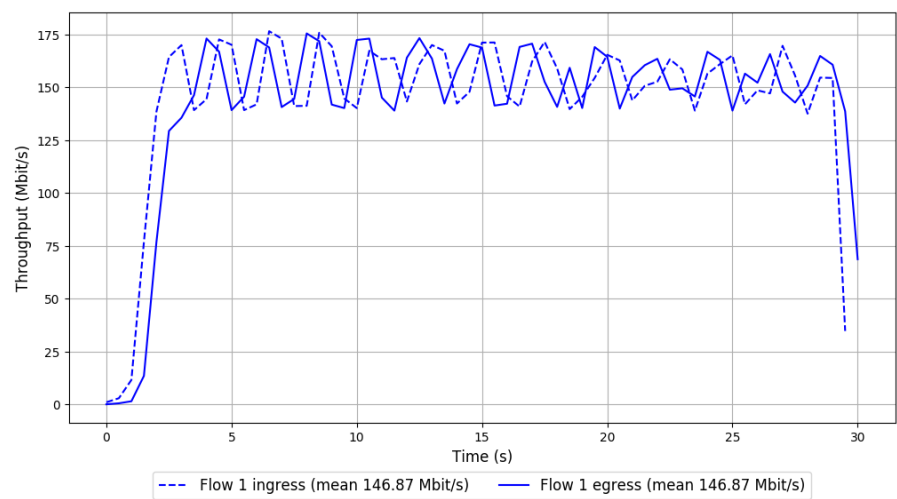


Run 4: Statistics of Indigo

Start at: 2018-07-09 20:10:09
End at: 2018-07-09 20:10:39
Local clock offset: 1.159 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-09 23:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.87 Mbit/s
95th percentile per-packet one-way delay: 110.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.87 Mbit/s
95th percentile per-packet one-way delay: 110.407 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

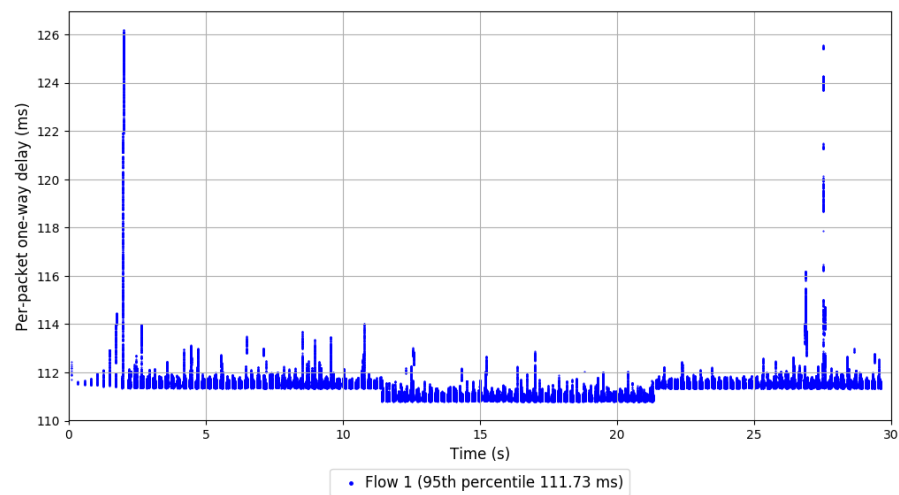
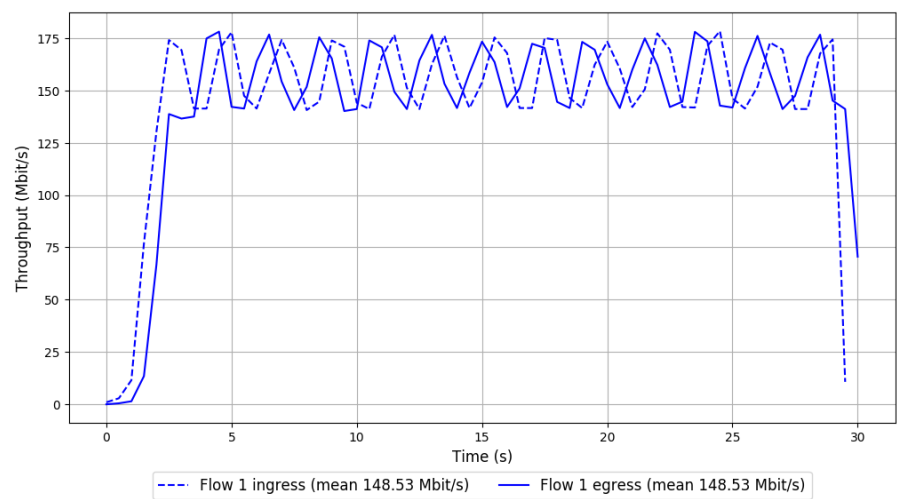


Run 5: Statistics of Indigo

Start at: 2018-07-09 20:32:46
End at: 2018-07-09 20:33:16
Local clock offset: -0.136 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-09 23:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.53 Mbit/s
95th percentile per-packet one-way delay: 111.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.53 Mbit/s
95th percentile per-packet one-way delay: 111.732 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

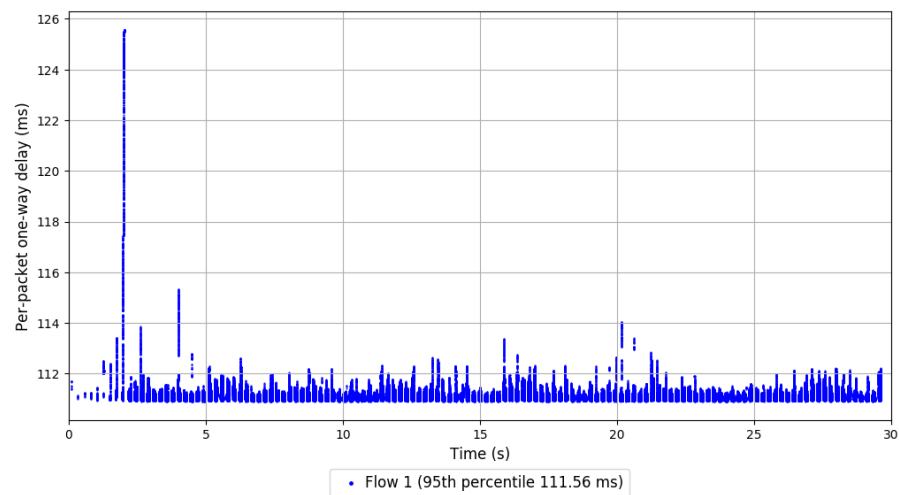
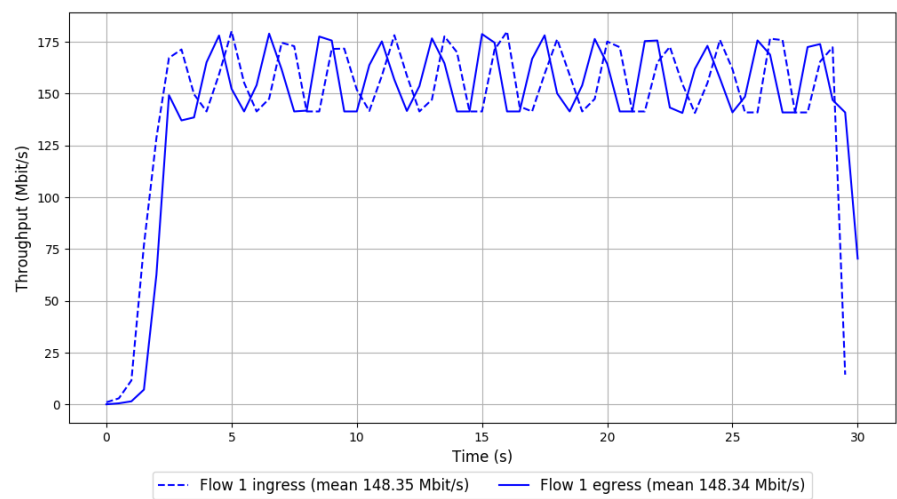


Run 6: Statistics of Indigo

Start at: 2018-07-09 20:55:10
End at: 2018-07-09 20:55:40
Local clock offset: -0.136 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-09 23:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.34 Mbit/s
95th percentile per-packet one-way delay: 111.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.34 Mbit/s
95th percentile per-packet one-way delay: 111.558 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

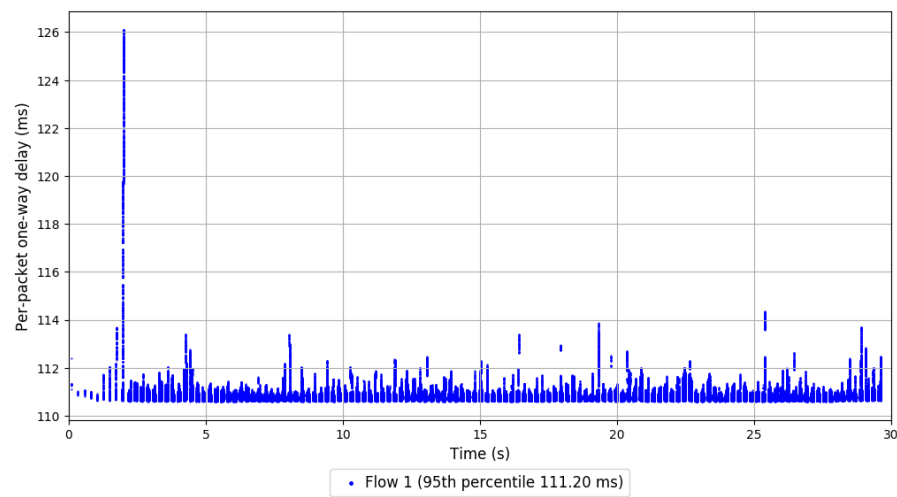
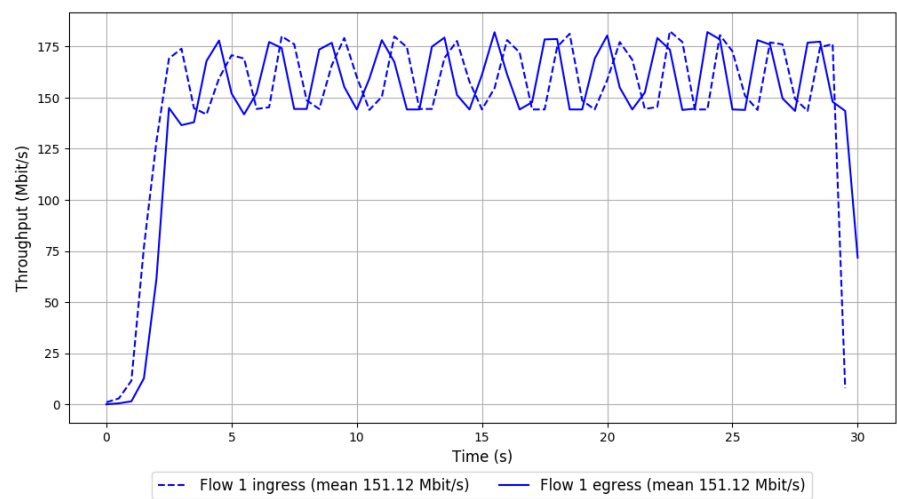


Run 7: Statistics of Indigo

Start at: 2018-07-09 21:18:00
End at: 2018-07-09 21:18:30
Local clock offset: 0.052 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-09 23:28:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.12 Mbit/s
95th percentile per-packet one-way delay: 111.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.12 Mbit/s
95th percentile per-packet one-way delay: 111.197 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

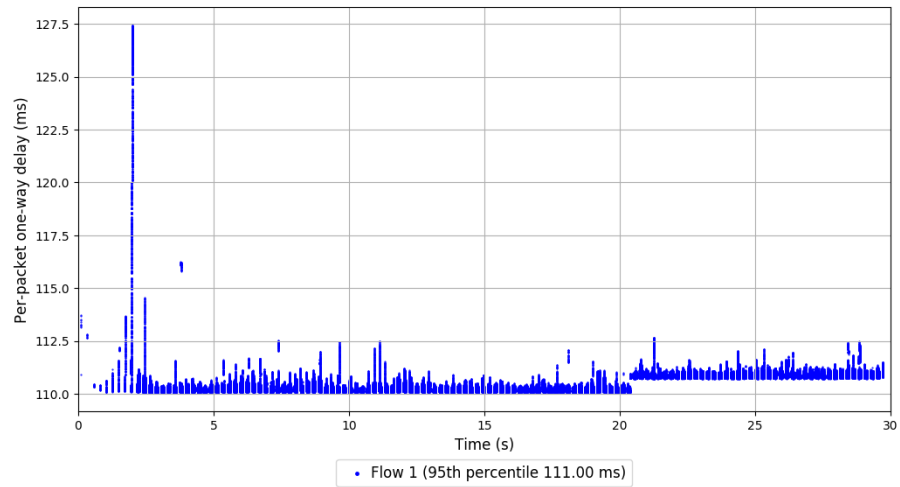
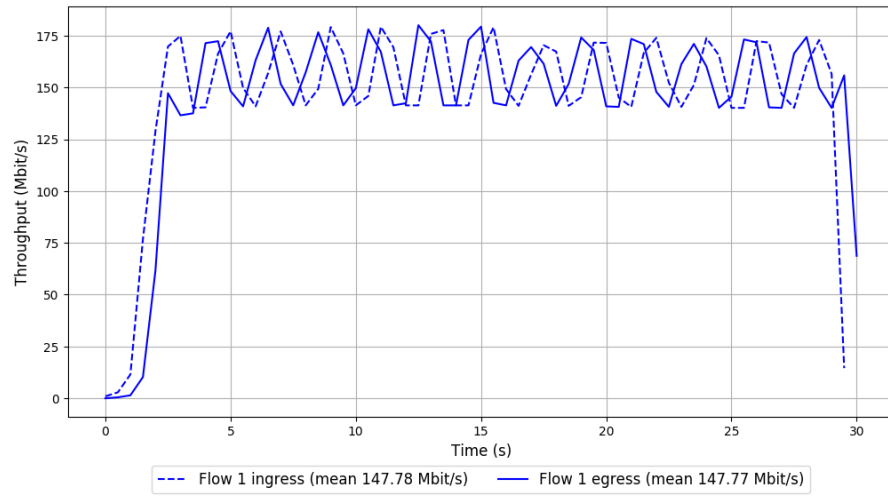


Run 8: Statistics of Indigo

Start at: 2018-07-09 21:40:38
End at: 2018-07-09 21:41:08
Local clock offset: -0.099 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-09 23:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.77 Mbit/s
95th percentile per-packet one-way delay: 110.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.77 Mbit/s
95th percentile per-packet one-way delay: 110.995 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-09 22:02:32

End at: 2018-07-09 22:03:02

Local clock offset: 0.098 ms

Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-09 23:29:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.69 Mbit/s

95th percentile per-packet one-way delay: 111.010 ms

Loss rate: 0.00%

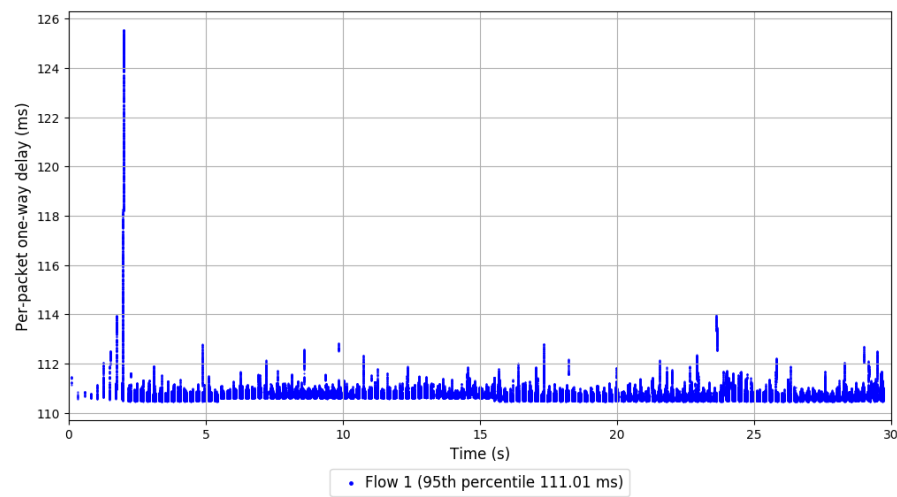
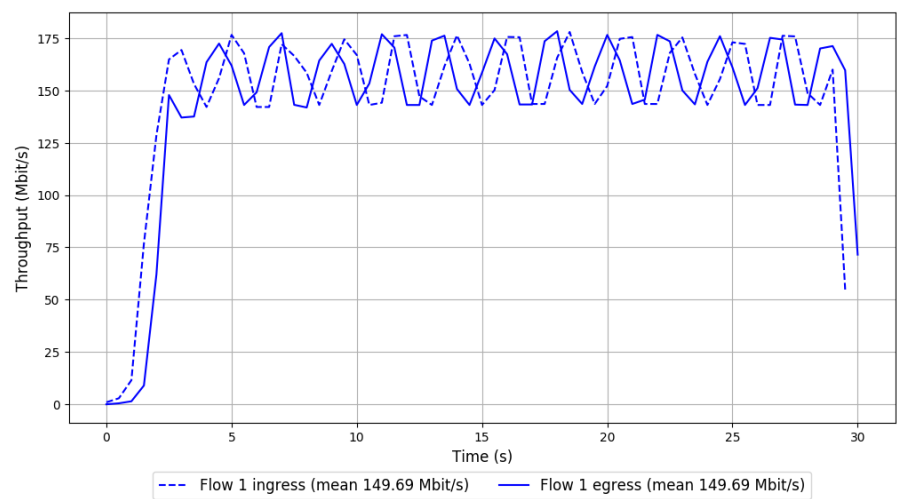
-- Flow 1:

Average throughput: 149.69 Mbit/s

95th percentile per-packet one-way delay: 111.010 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-09 22:24:42

End at: 2018-07-09 22:25:12

Local clock offset: -1.518 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-07-09 23:29:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.78 Mbit/s

95th percentile per-packet one-way delay: 113.621 ms

Loss rate: 0.00%

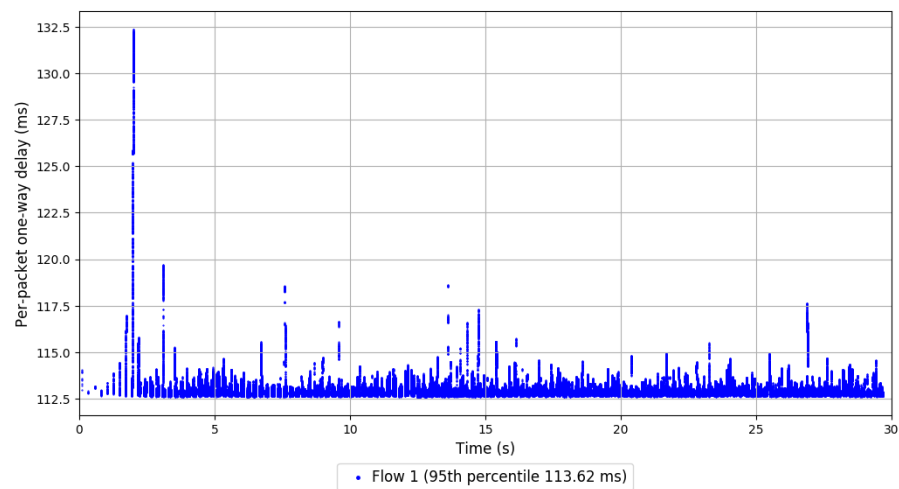
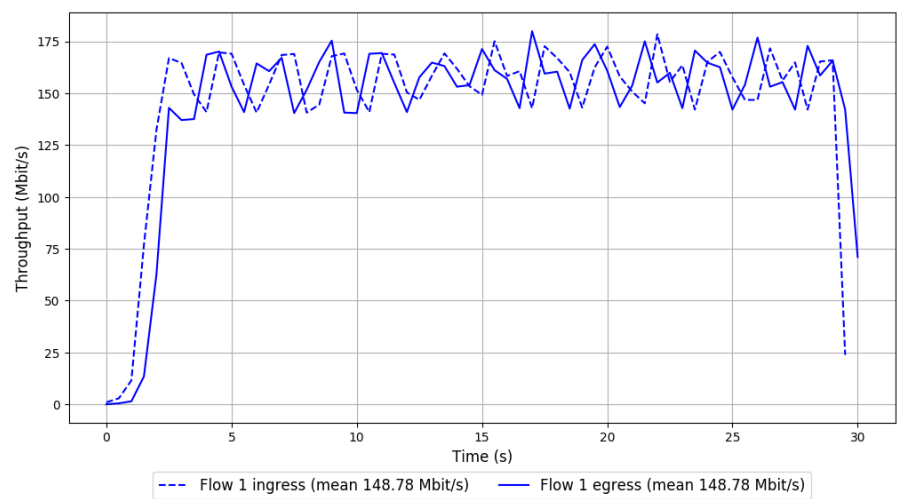
-- Flow 1:

Average throughput: 148.78 Mbit/s

95th percentile per-packet one-way delay: 113.621 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

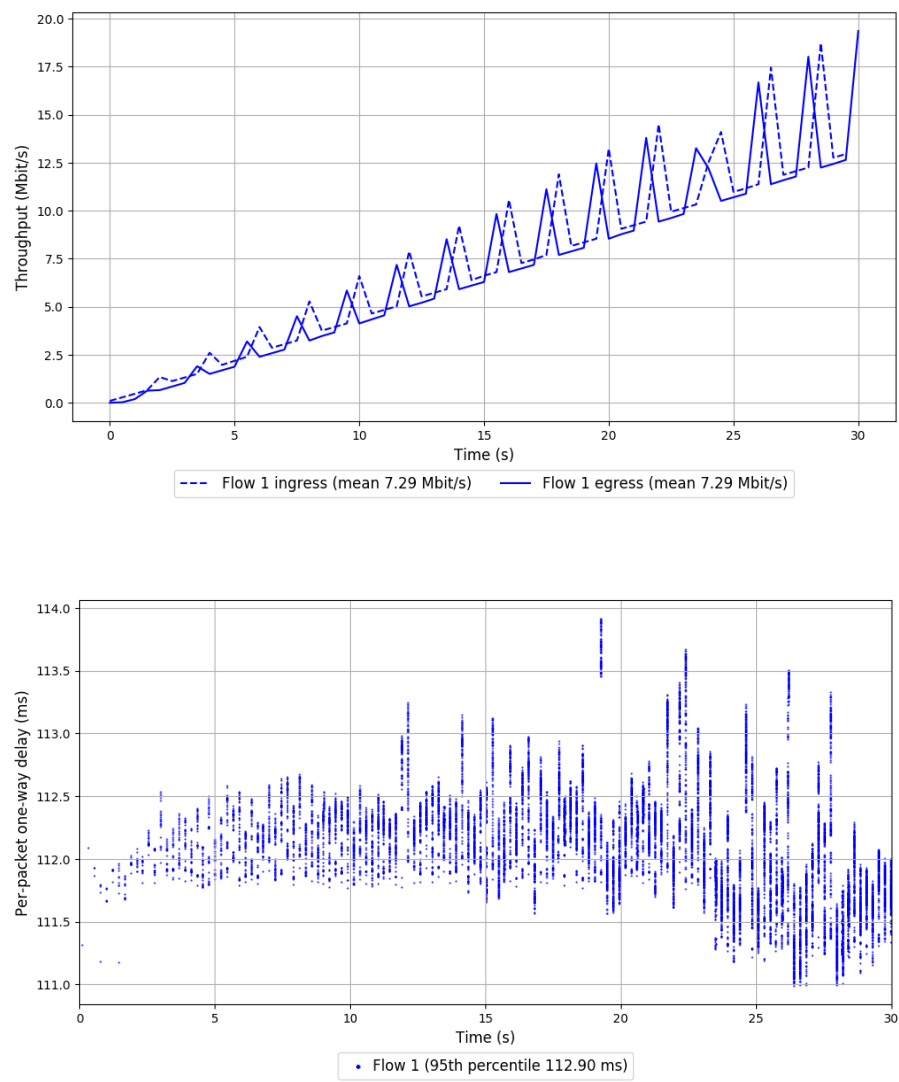


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-09 19:08:15
End at: 2018-07-09 19:08:45
Local clock offset: -0.178 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-07-09 23:29:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 112.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 112.901 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

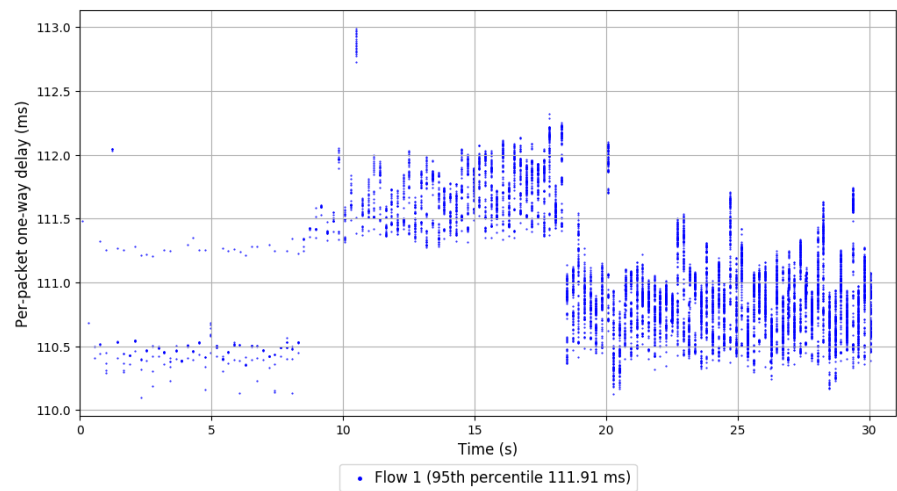
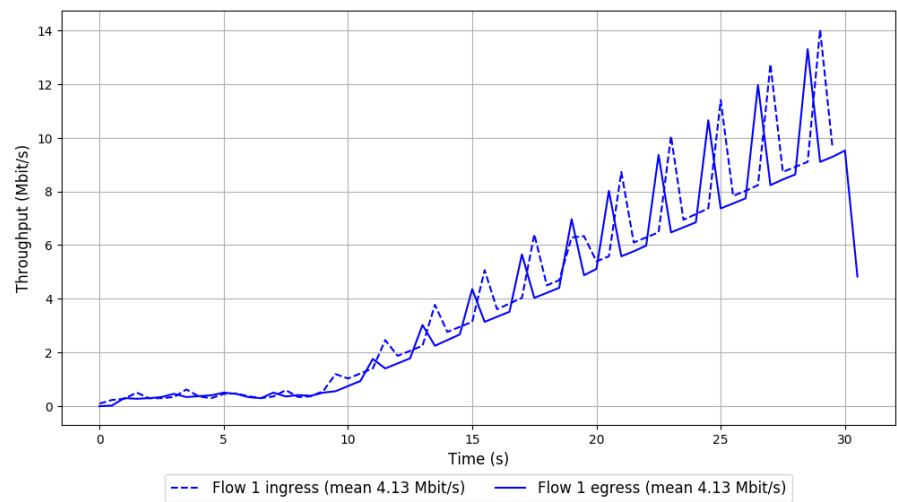


Run 2: Statistics of LEDBAT

Start at: 2018-07-09 19:30:30
End at: 2018-07-09 19:31:00
Local clock offset: -0.34 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-09 23:29:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 111.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 111.912 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

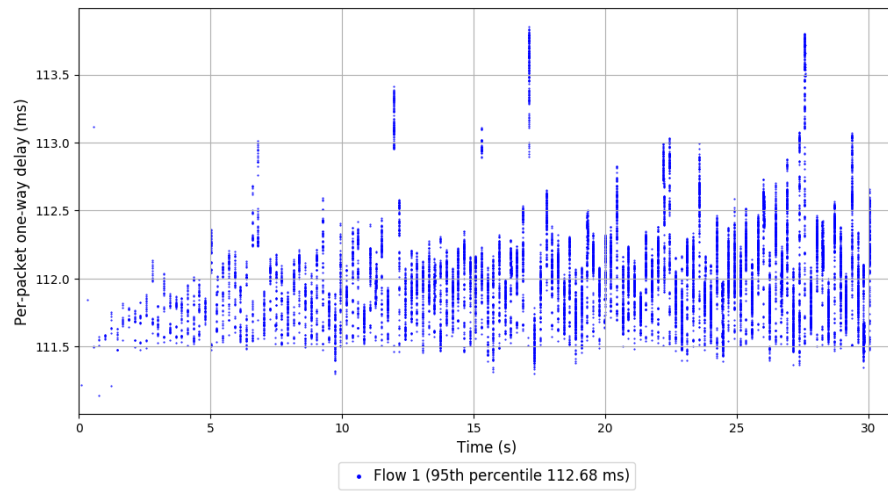
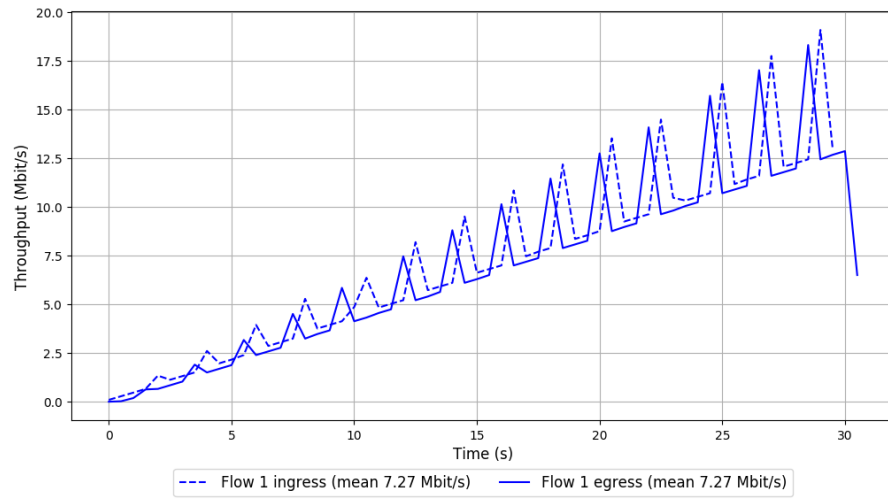


Run 3: Statistics of LEDBAT

Start at: 2018-07-09 19:53:11
End at: 2018-07-09 19:53:41
Local clock offset: -0.05 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-07-09 23:29:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 112.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 112.681 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

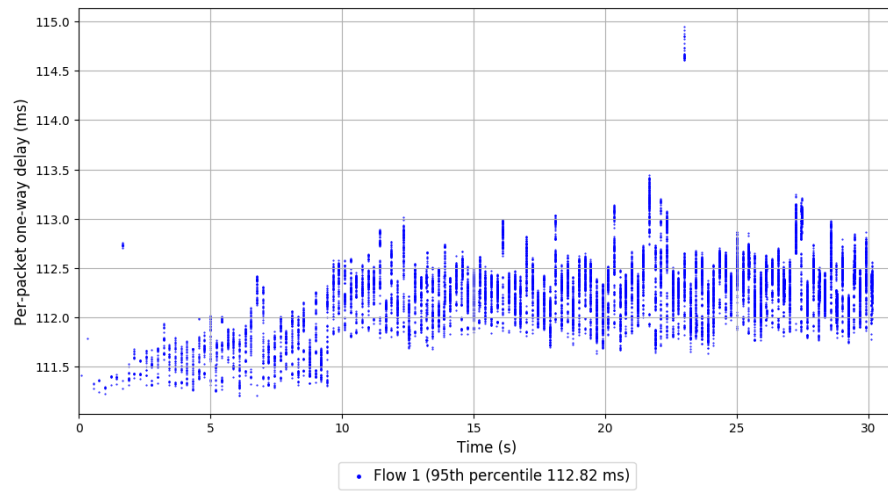
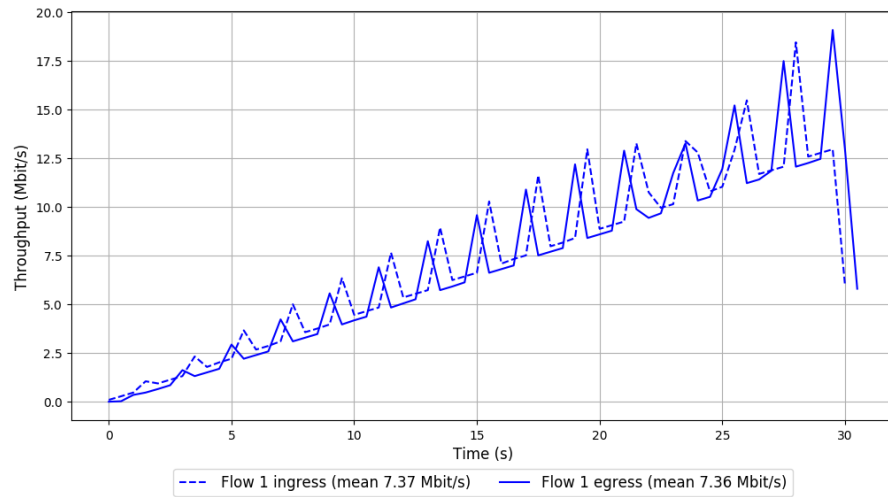


Run 4: Statistics of LEDBAT

Start at: 2018-07-09 20:15:49
End at: 2018-07-09 20:16:19
Local clock offset: -0.406 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-09 23:29:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 112.822 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 112.822 ms
Loss rate: 0.04%

Run 4: Report of LEDBAT — Data Link

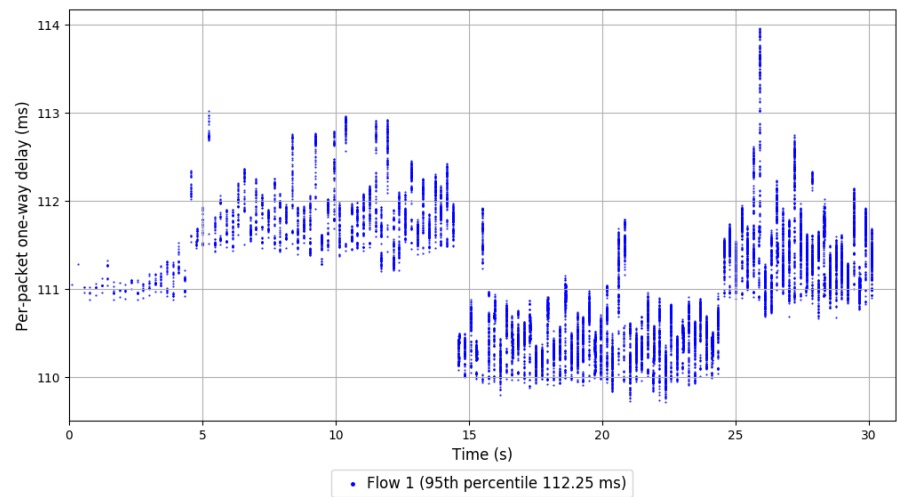
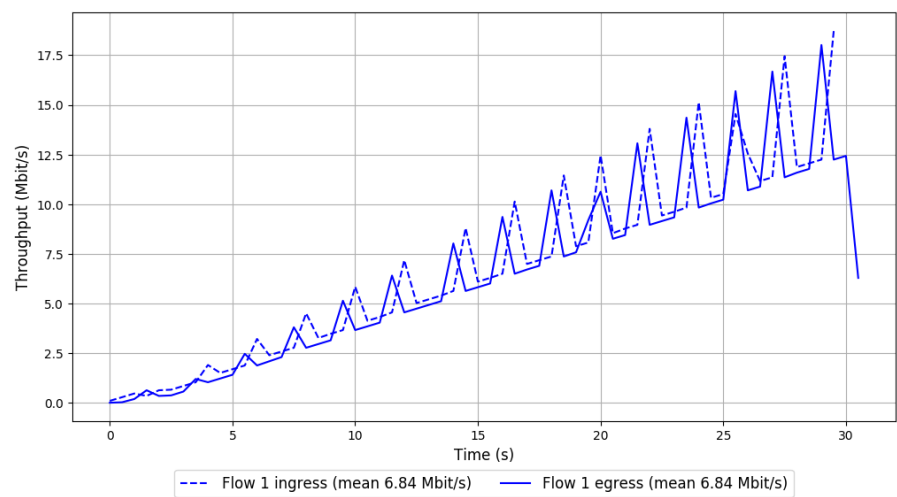


Run 5: Statistics of LEDBAT

Start at: 2018-07-09 20:38:24
End at: 2018-07-09 20:38:54
Local clock offset: -0.012 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-09 23:29:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 112.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 112.254 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

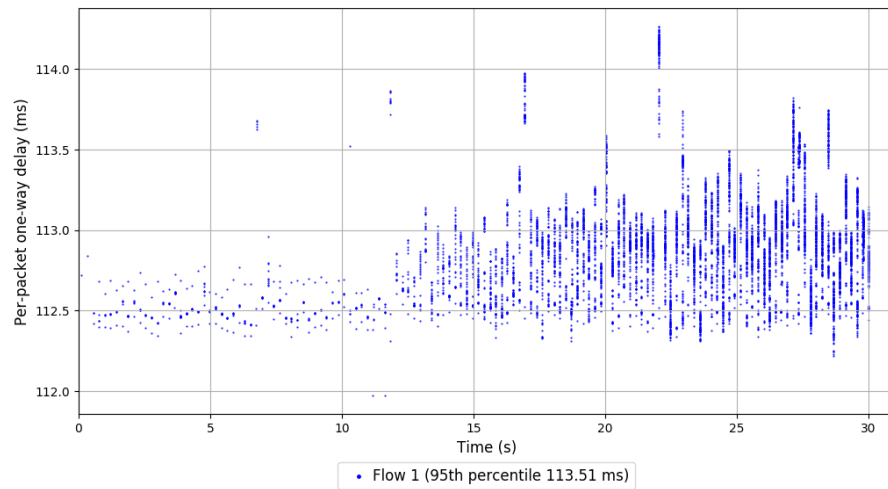
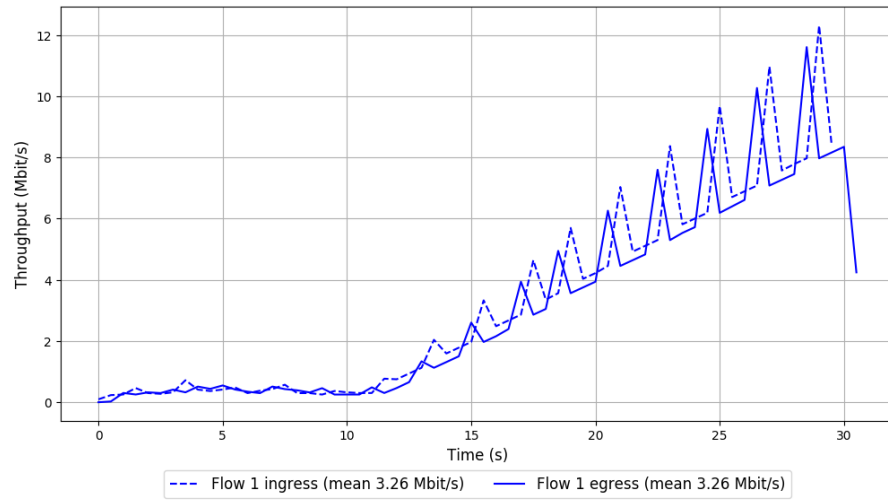


Run 6: Statistics of LEDBAT

Start at: 2018-07-09 21:00:47
End at: 2018-07-09 21:01:17
Local clock offset: -1.475 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-09 23:29:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 113.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 113.508 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-09 21:23:36

End at: 2018-07-09 21:24:06

Local clock offset: 1.206 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2018-07-09 23:29:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.38 Mbit/s

95th percentile per-packet one-way delay: 110.511 ms

Loss rate: 0.00%

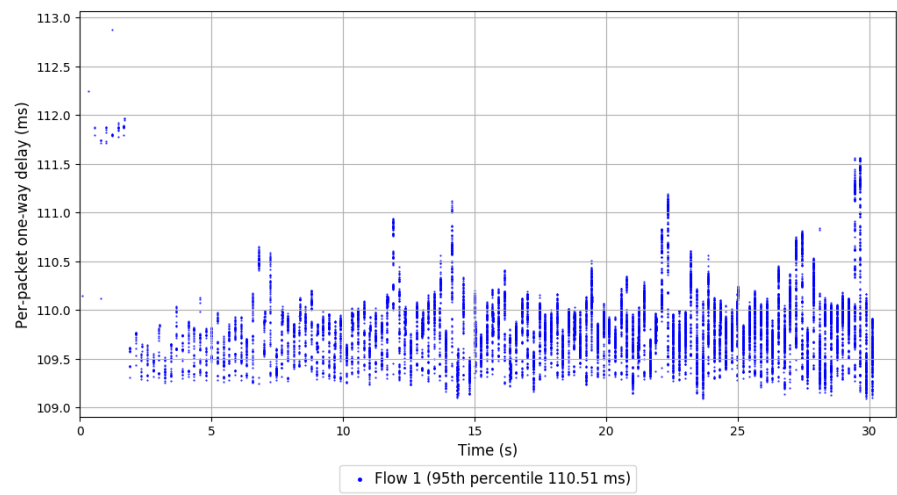
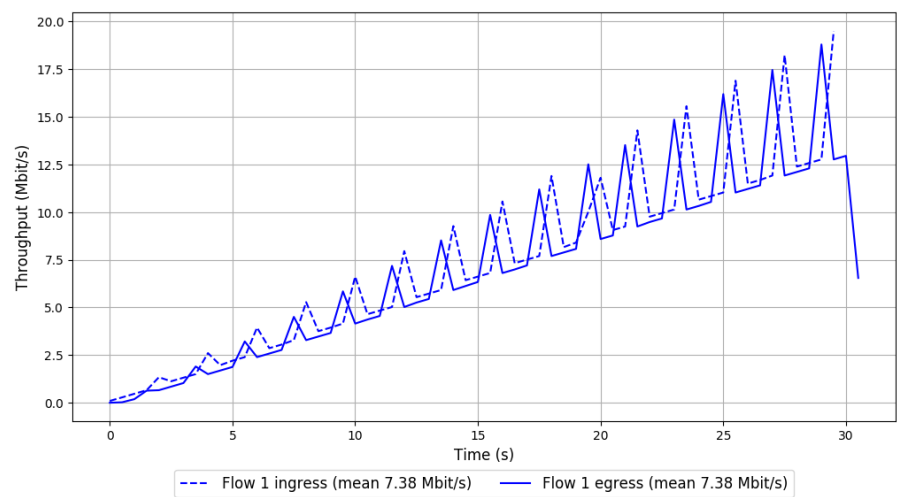
-- Flow 1:

Average throughput: 7.38 Mbit/s

95th percentile per-packet one-way delay: 110.511 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-09 21:46:00

End at: 2018-07-09 21:46:30

Local clock offset: -0.497 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-09 23:29:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 113.812 ms

Loss rate: 0.00%

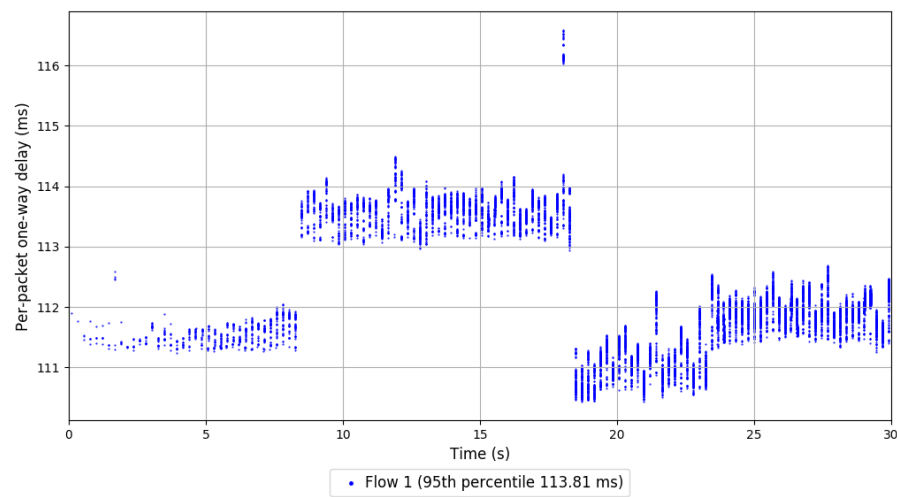
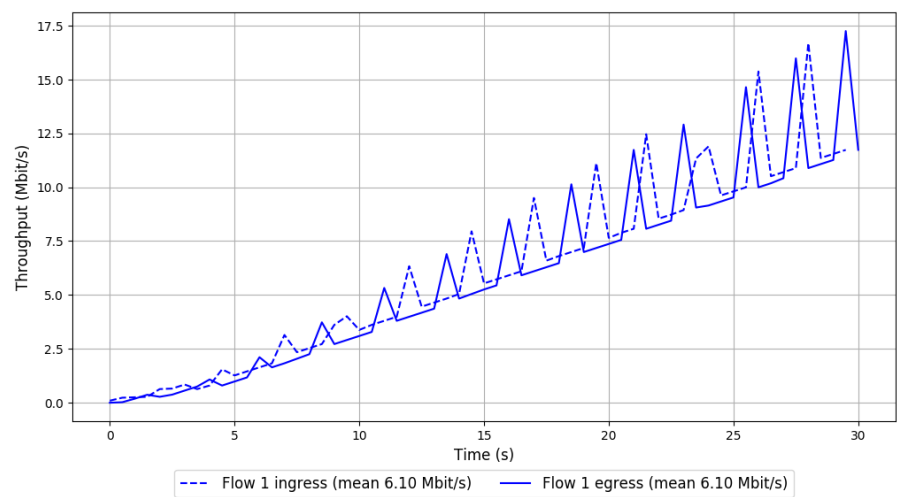
-- Flow 1:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 113.812 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

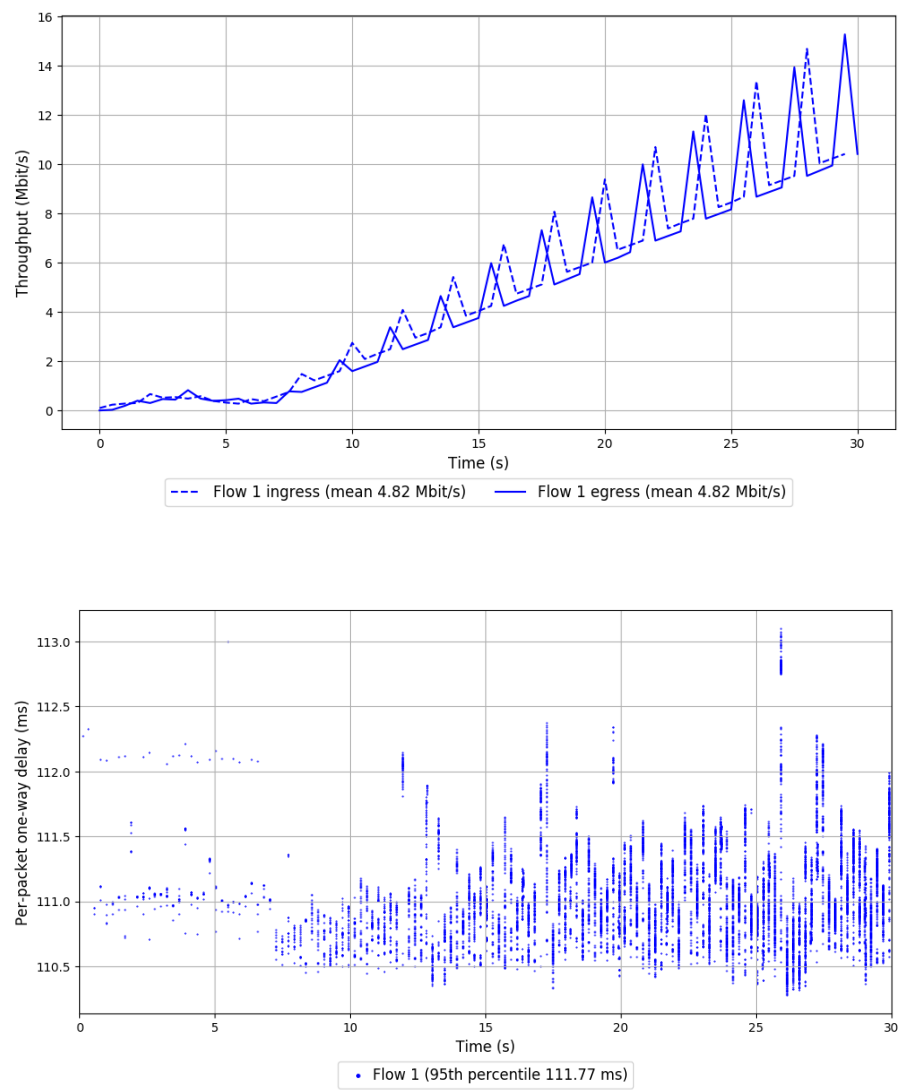


Run 9: Statistics of LEDBAT

Start at: 2018-07-09 22:08:01
End at: 2018-07-09 22:08:31
Local clock offset: 0.135 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-07-09 23:29:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 111.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 111.767 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

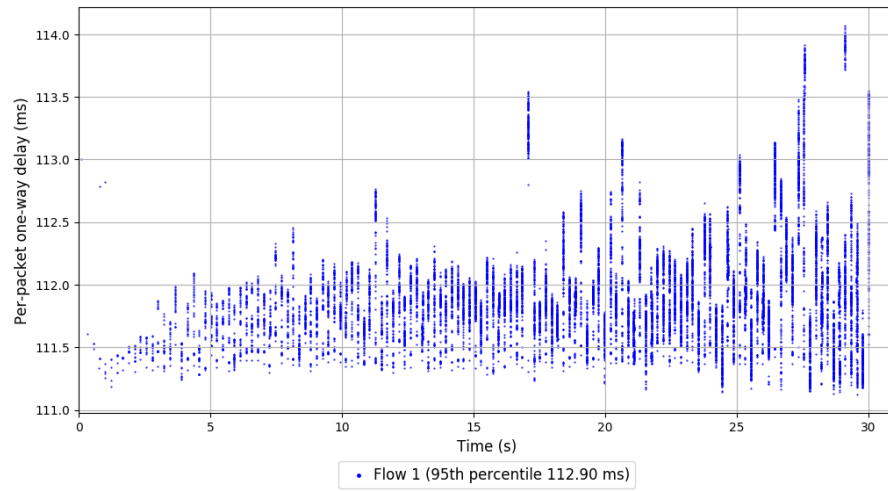
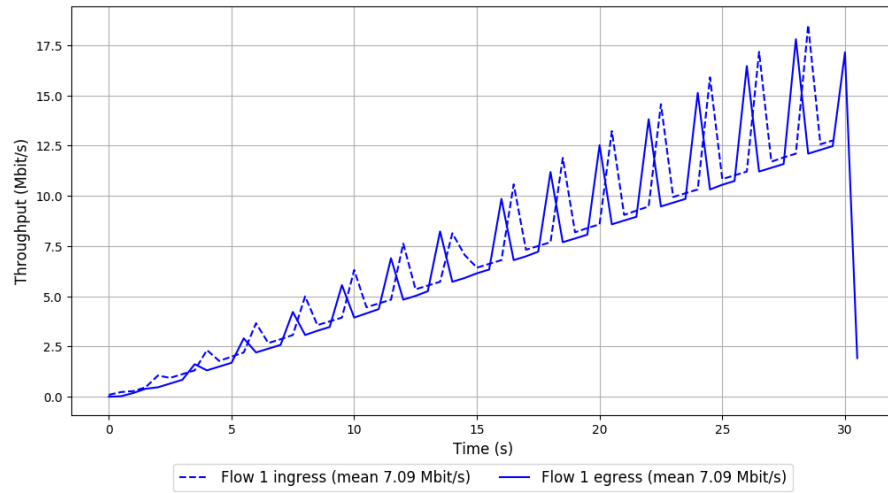


Run 10: Statistics of LEDBAT

Start at: 2018-07-09 22:30:10
End at: 2018-07-09 22:30:40
Local clock offset: -0.397 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-09 23:29:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 112.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 112.896 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

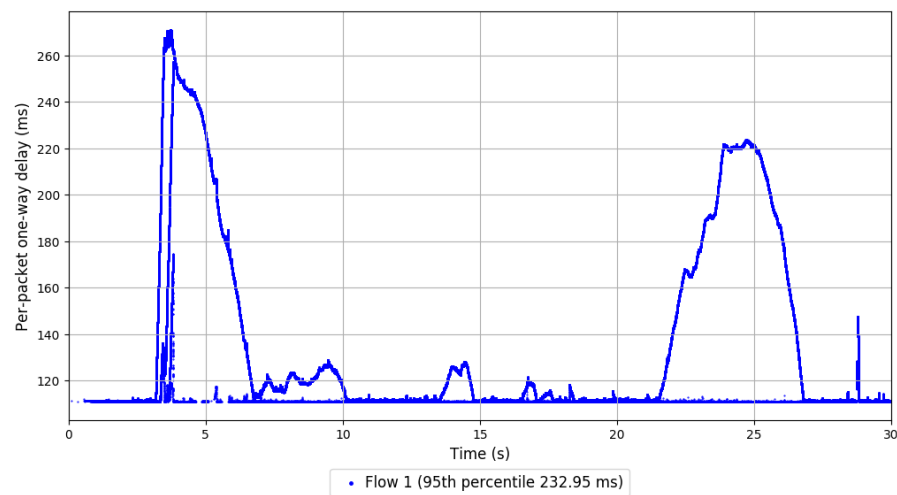
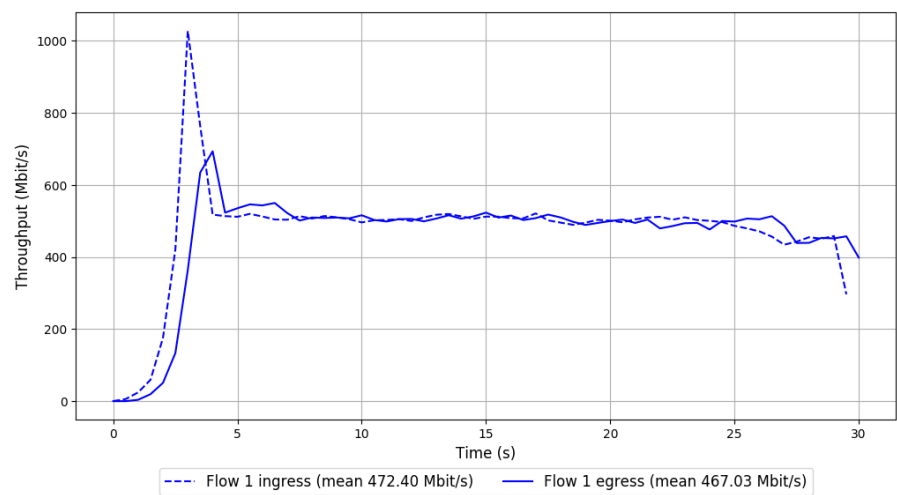


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-09 19:09:23
End at: 2018-07-09 19:09:54
Local clock offset: 0.205 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-07-09 23:35:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 467.03 Mbit/s
95th percentile per-packet one-way delay: 232.952 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 467.03 Mbit/s
95th percentile per-packet one-way delay: 232.952 ms
Loss rate: 1.14%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-09 19:31:38

End at: 2018-07-09 19:32:08

Local clock offset: 1.17 ms

Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-07-09 23:35:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.28 Mbit/s

95th percentile per-packet one-way delay: 262.835 ms

Loss rate: 2.78%

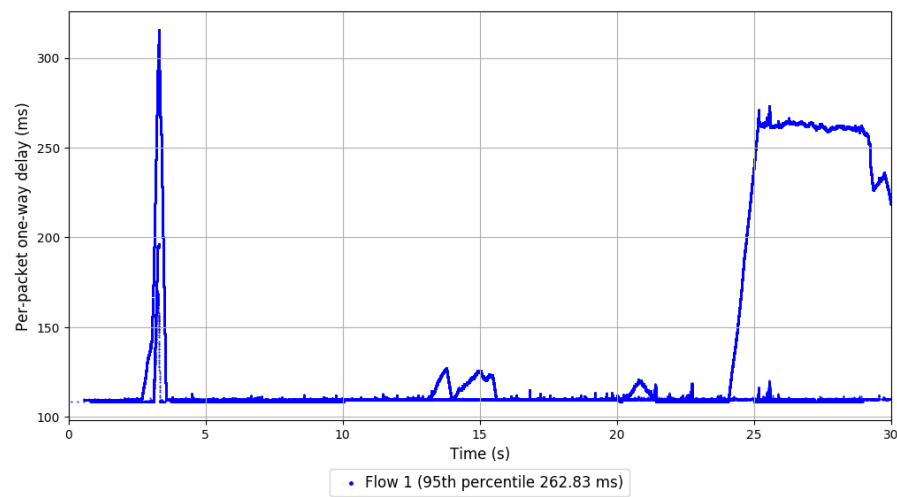
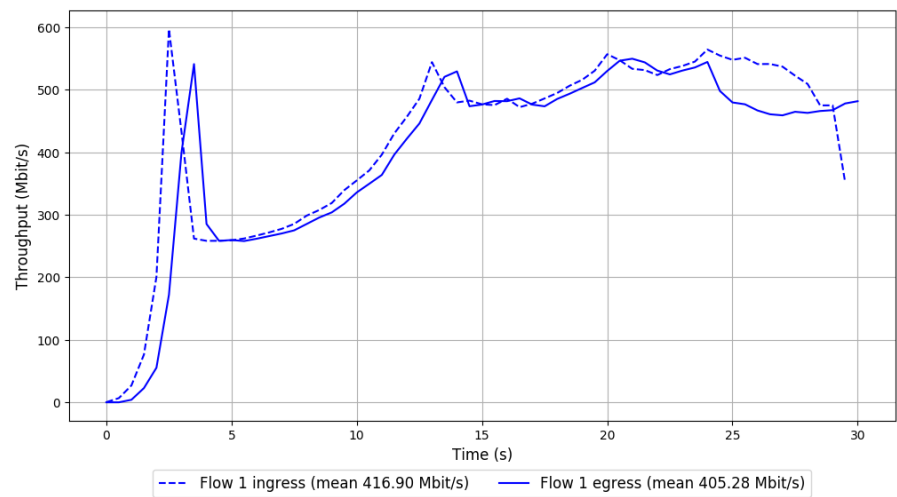
-- Flow 1:

Average throughput: 405.28 Mbit/s

95th percentile per-packet one-way delay: 262.835 ms

Loss rate: 2.78%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-09 19:54:20

End at: 2018-07-09 19:54:50

Local clock offset: 1.179 ms

Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-07-09 23:35:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 419.47 Mbit/s

95th percentile per-packet one-way delay: 199.910 ms

Loss rate: 0.12%

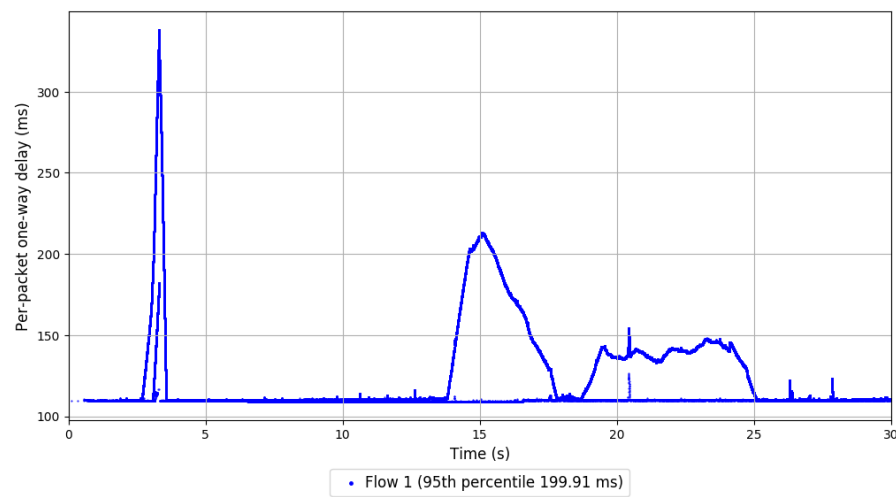
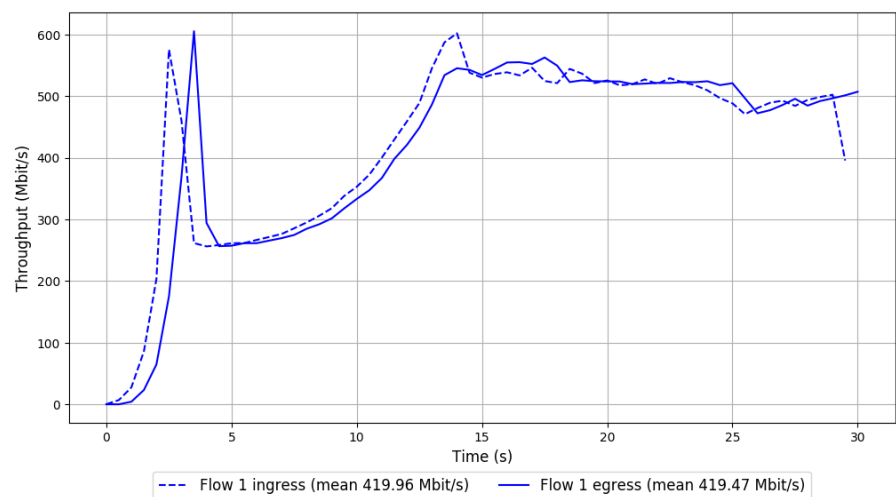
-- Flow 1:

Average throughput: 419.47 Mbit/s

95th percentile per-packet one-way delay: 199.910 ms

Loss rate: 0.12%

Run 3: Report of PCC-Allegro — Data Link

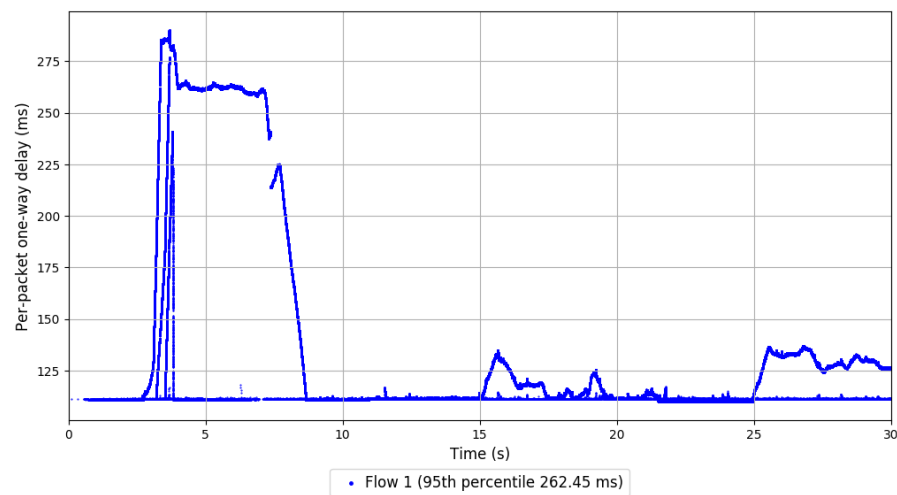
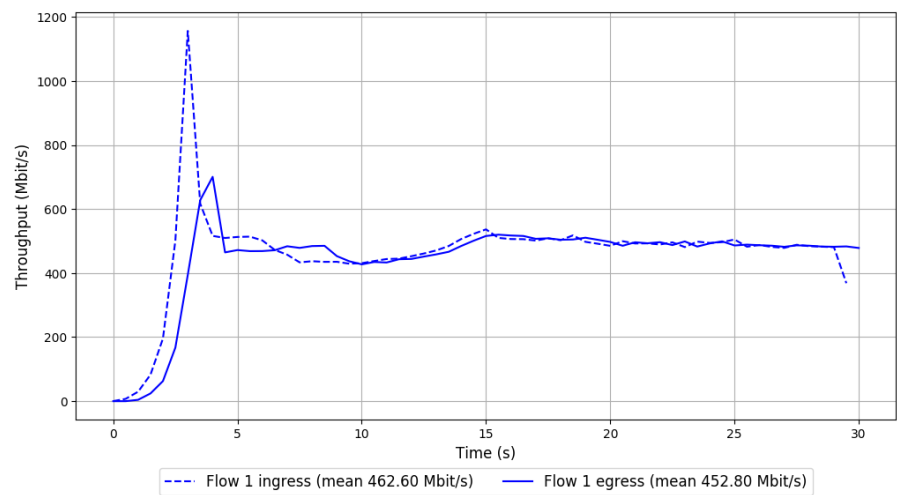


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-09 20:16:57
End at: 2018-07-09 20:17:27
Local clock offset: -0.109 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-09 23:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 452.80 Mbit/s
95th percentile per-packet one-way delay: 262.453 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 452.80 Mbit/s
95th percentile per-packet one-way delay: 262.453 ms
Loss rate: 2.11%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-09 20:39:32

End at: 2018-07-09 20:40:02

Local clock offset: 0.056 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-09 23:35:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.76 Mbit/s

95th percentile per-packet one-way delay: 263.672 ms

Loss rate: 1.24%

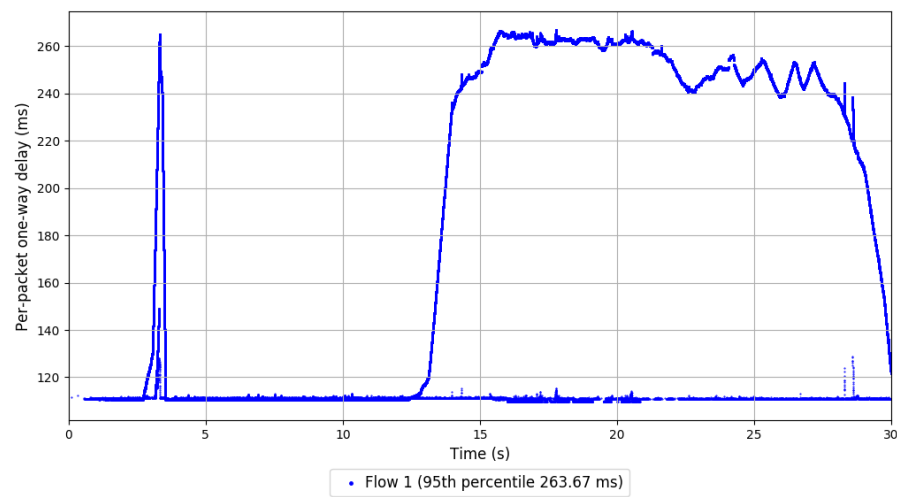
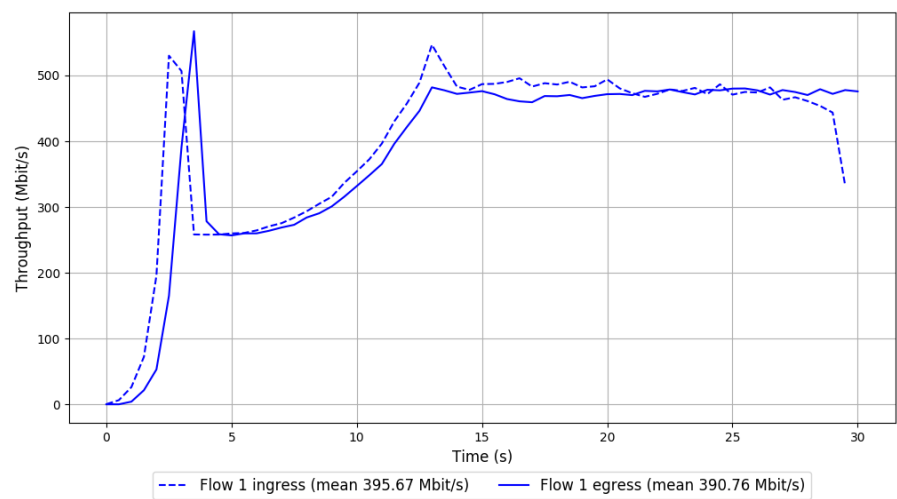
-- Flow 1:

Average throughput: 390.76 Mbit/s

95th percentile per-packet one-way delay: 263.672 ms

Loss rate: 1.24%

Run 5: Report of PCC-Allegro — Data Link

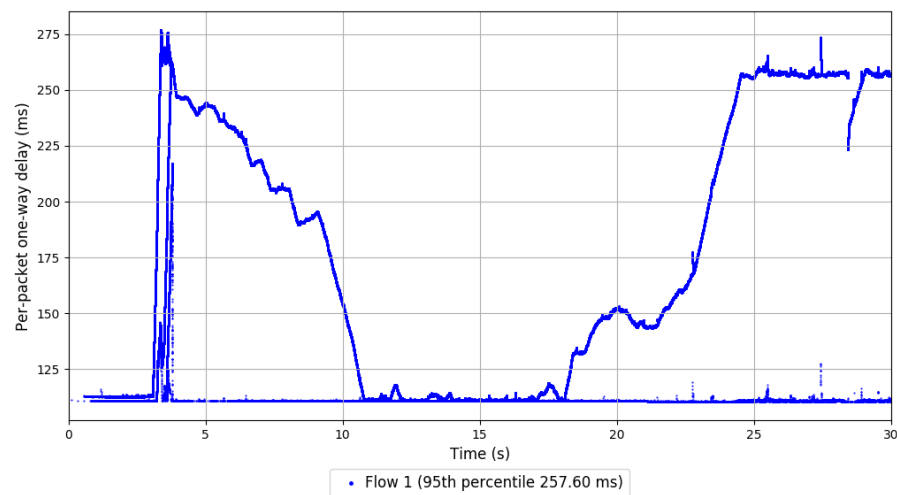
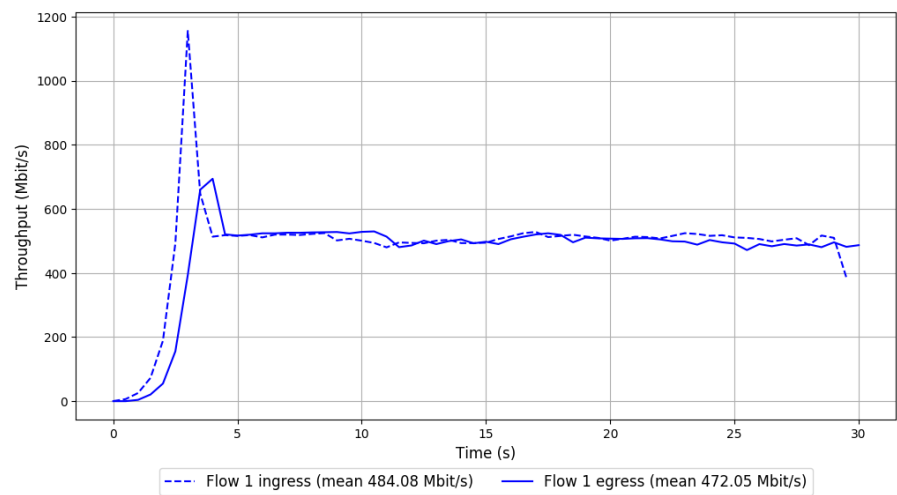


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-09 21:01:55
End at: 2018-07-09 21:02:25
Local clock offset: 0.082 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-09 23:36:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 472.05 Mbit/s
95th percentile per-packet one-way delay: 257.598 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 472.05 Mbit/s
95th percentile per-packet one-way delay: 257.598 ms
Loss rate: 2.48%

Run 6: Report of PCC-Allegro — Data Link

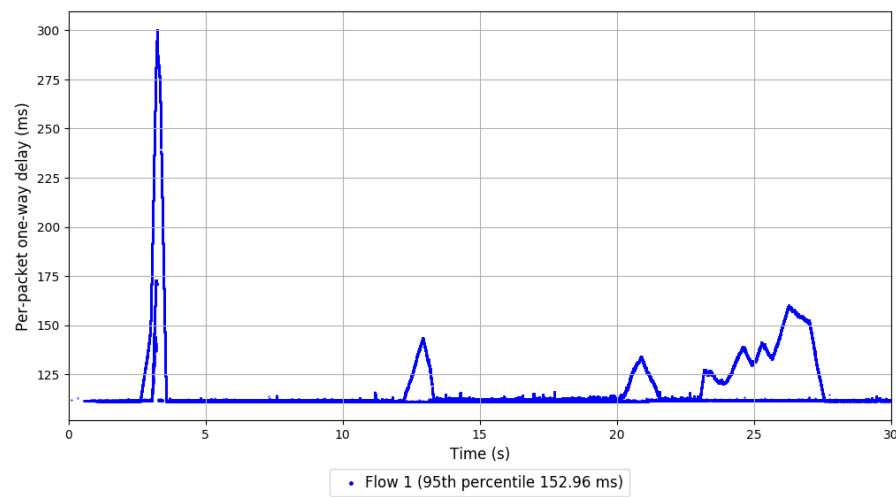
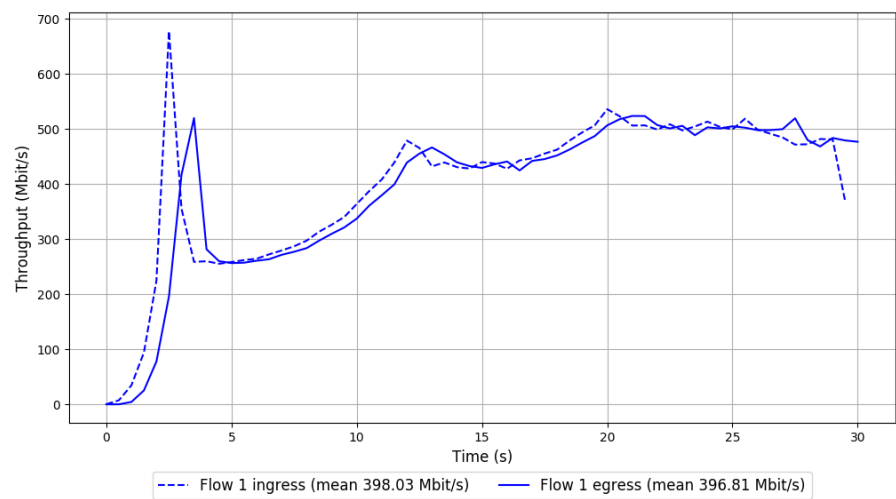


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-09 21:24:45
End at: 2018-07-09 21:25:15
Local clock offset: -1.385 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-09 23:36:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 396.81 Mbit/s
95th percentile per-packet one-way delay: 152.955 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 396.81 Mbit/s
95th percentile per-packet one-way delay: 152.955 ms
Loss rate: 0.31%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-09 21:47:08

End at: 2018-07-09 21:47:38

Local clock offset: 0.062 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-09 23:36:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 438.59 Mbit/s

95th percentile per-packet one-way delay: 267.126 ms

Loss rate: 2.66%

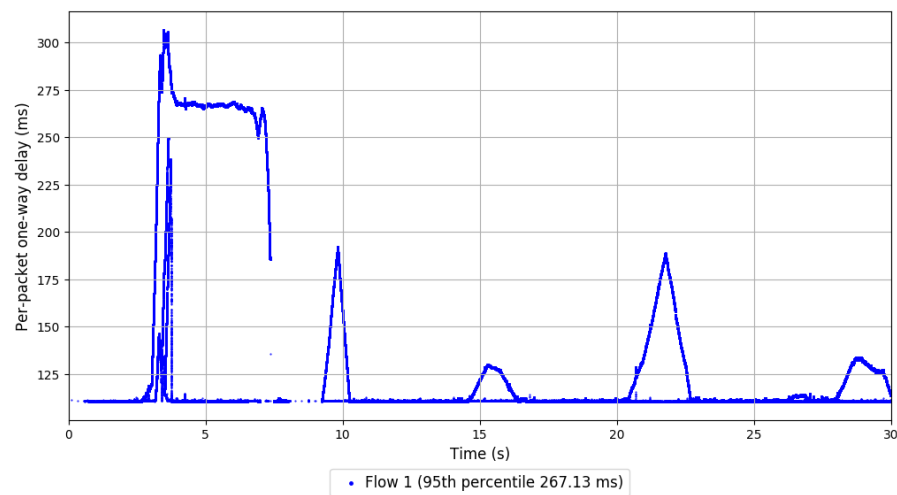
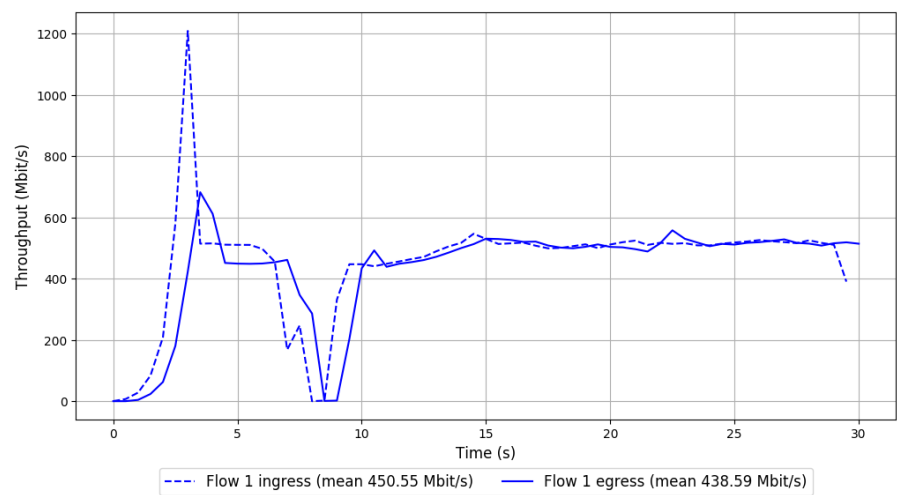
-- Flow 1:

Average throughput: 438.59 Mbit/s

95th percentile per-packet one-way delay: 267.126 ms

Loss rate: 2.66%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

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

End at: 2018-07-09 22:09:39

Local clock offset: 1.15 ms

Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-09 23:39:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.89 Mbit/s

95th percentile per-packet one-way delay: 192.179 ms

Loss rate: 0.32%

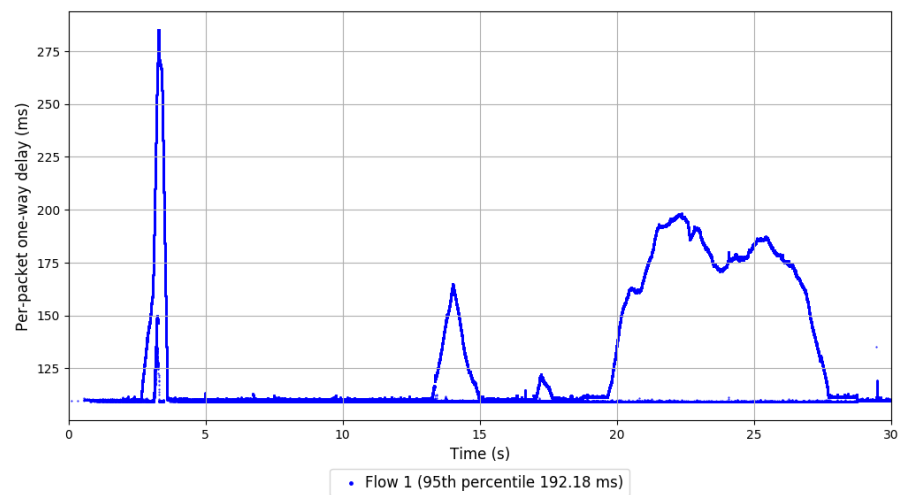
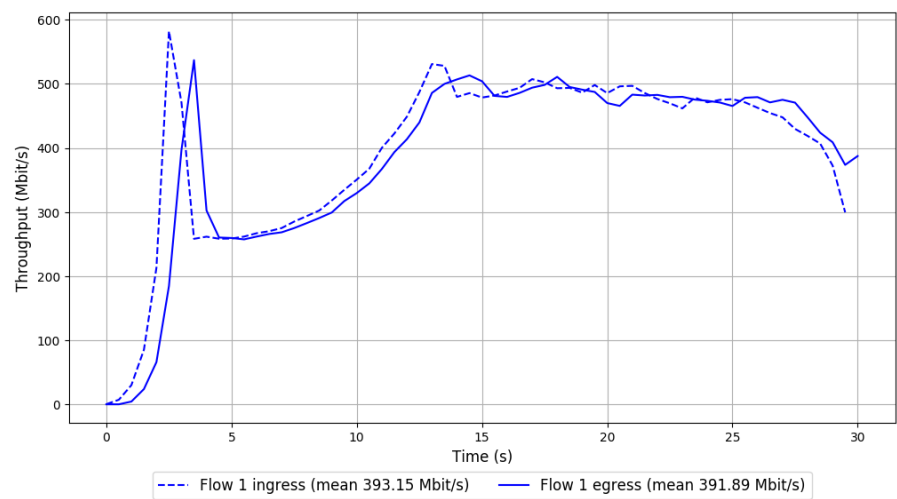
-- Flow 1:

Average throughput: 391.89 Mbit/s

95th percentile per-packet one-way delay: 192.179 ms

Loss rate: 0.32%

Run 9: Report of PCC-Allegro — Data Link

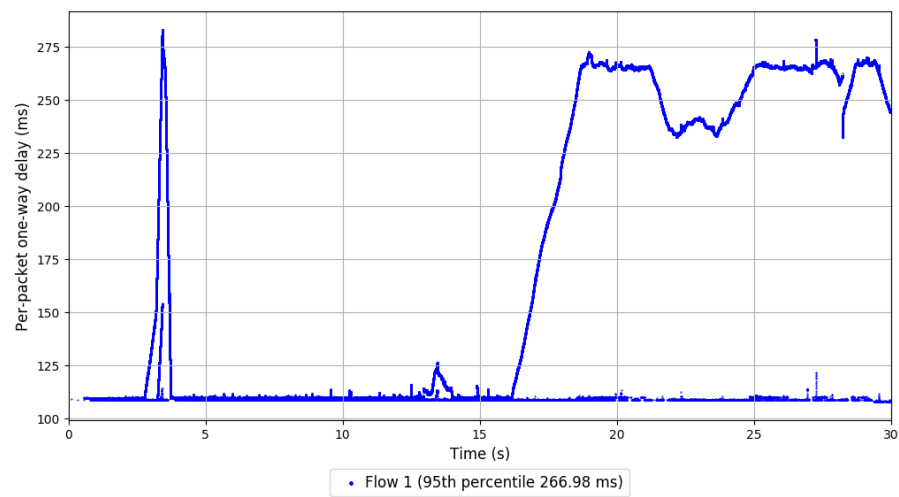
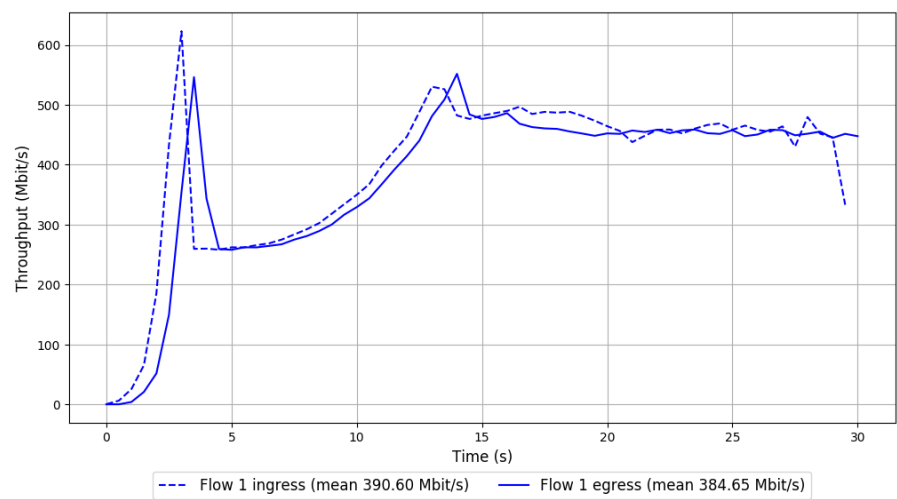


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-09 22:31:19
End at: 2018-07-09 22:31:49
Local clock offset: 1.14 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-09 23:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 384.65 Mbit/s
95th percentile per-packet one-way delay: 266.980 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 384.65 Mbit/s
95th percentile per-packet one-way delay: 266.980 ms
Loss rate: 1.52%

Run 10: Report of PCC-Allegro — Data Link

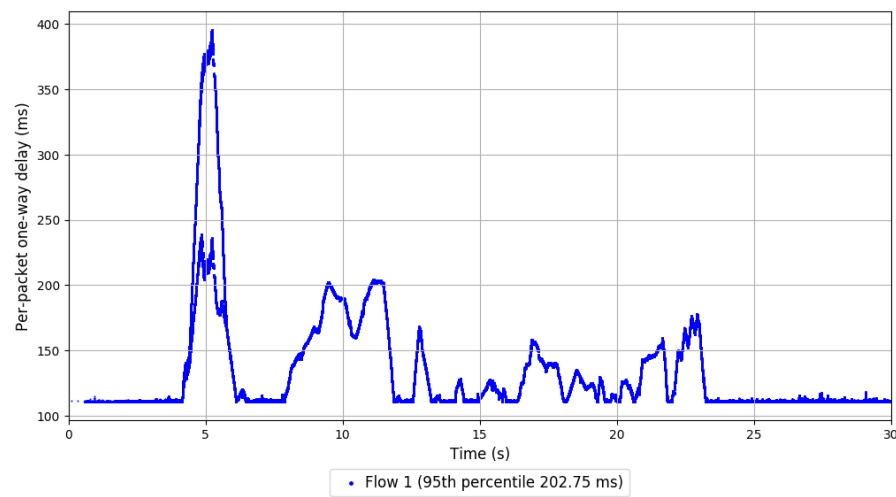
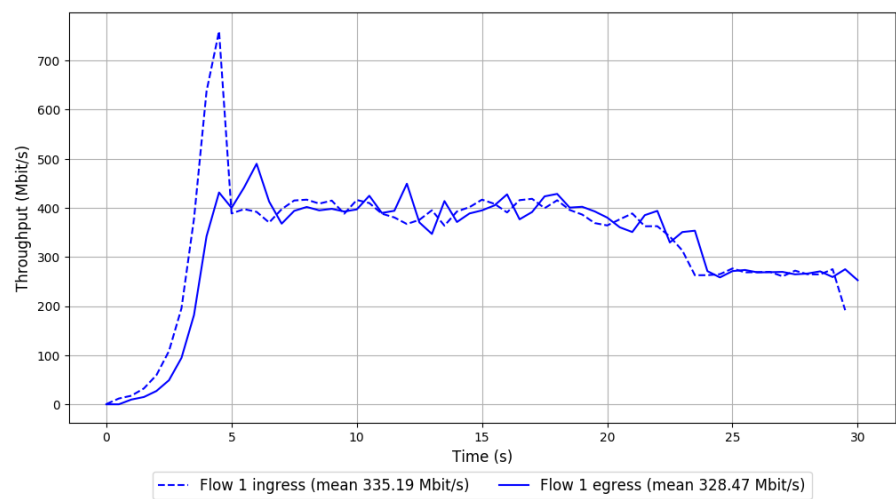


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-09 19:06:36
End at: 2018-07-09 19:07:06
Local clock offset: -0.026 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-07-09 23:44:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 328.47 Mbit/s
95th percentile per-packet one-way delay: 202.746 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 328.47 Mbit/s
95th percentile per-packet one-way delay: 202.746 ms
Loss rate: 2.01%
```


Run 1: Report of PCC-Expr — Data Link

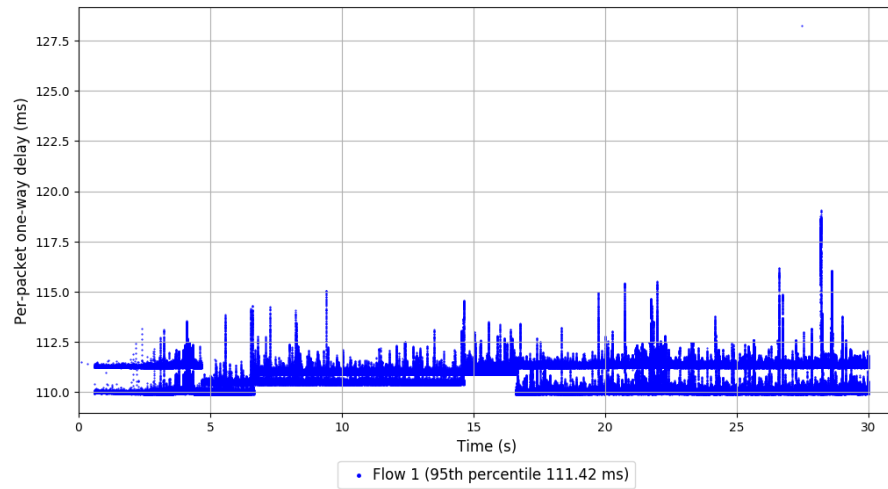
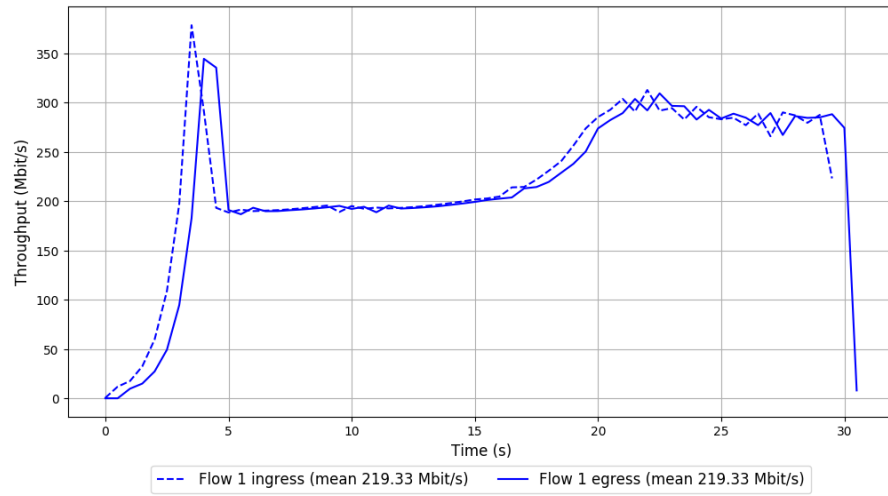


Run 2: Statistics of PCC-Expr

Start at: 2018-07-09 19:29:02
End at: 2018-07-09 19:29:32
Local clock offset: -0.196 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-07-09 23:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.33 Mbit/s
95th percentile per-packet one-way delay: 111.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.33 Mbit/s
95th percentile per-packet one-way delay: 111.425 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-09 19:51:30

End at: 2018-07-09 19:52:00

Local clock offset: -0.157 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-07-09 23:45:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.44 Mbit/s

95th percentile per-packet one-way delay: 190.257 ms

Loss rate: 1.25%

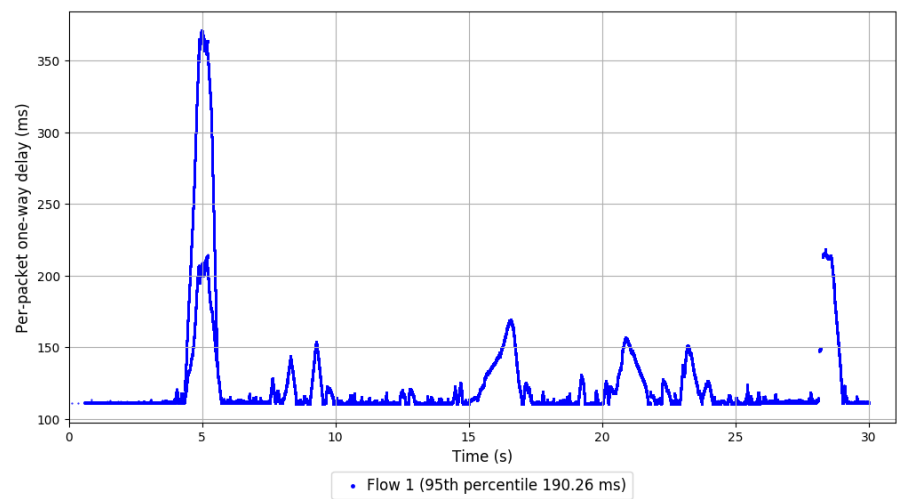
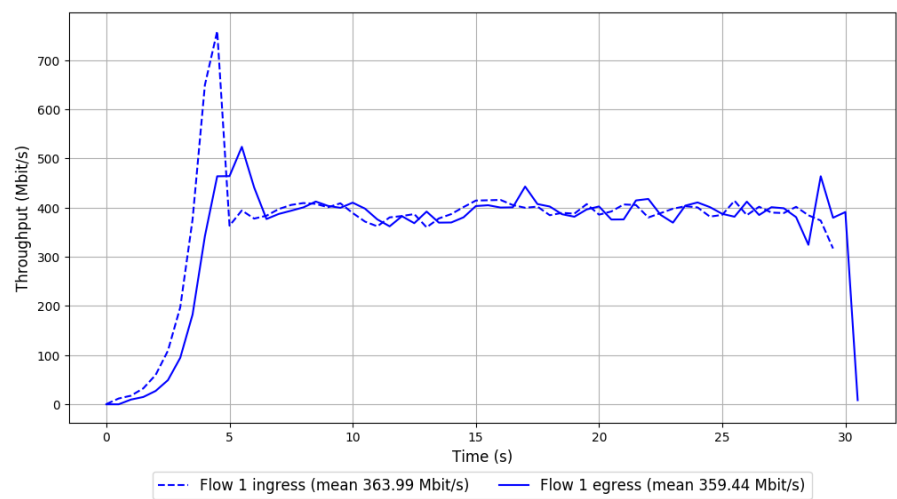
-- Flow 1:

Average throughput: 359.44 Mbit/s

95th percentile per-packet one-way delay: 190.257 ms

Loss rate: 1.25%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-09 20:14:11

End at: 2018-07-09 20:14:41

Local clock offset: -0.162 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-07-09 23:45:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.70 Mbit/s

95th percentile per-packet one-way delay: 169.693 ms

Loss rate: 1.08%

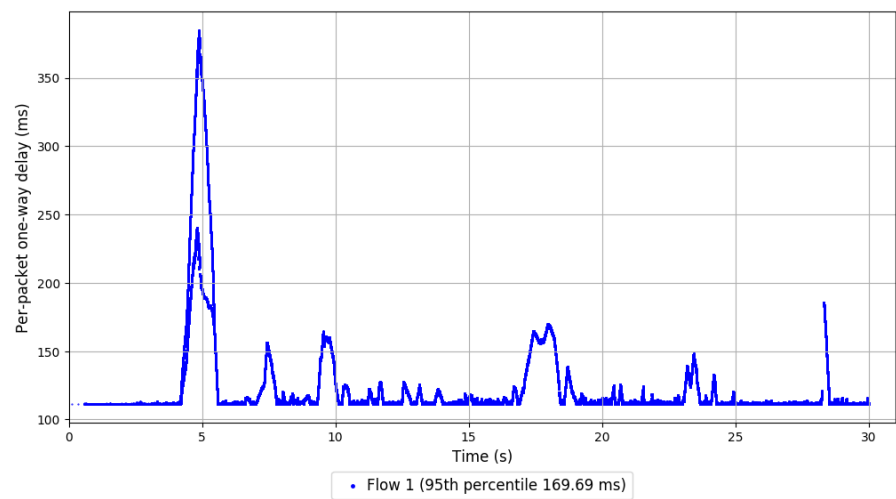
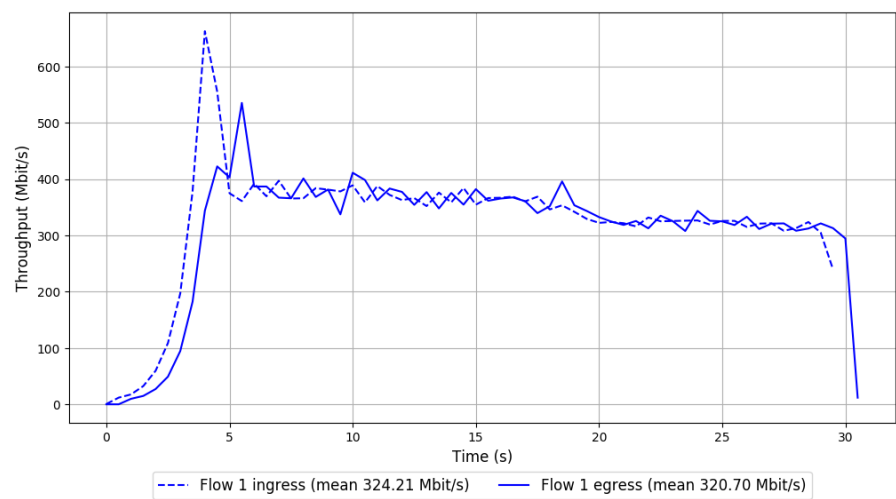
-- Flow 1:

Average throughput: 320.70 Mbit/s

95th percentile per-packet one-way delay: 169.693 ms

Loss rate: 1.08%

Run 4: Report of PCC-Expr — Data Link

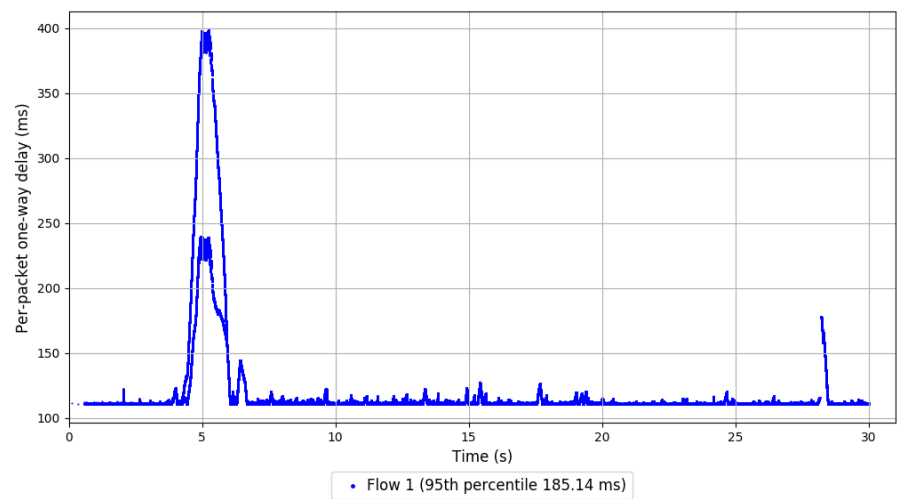
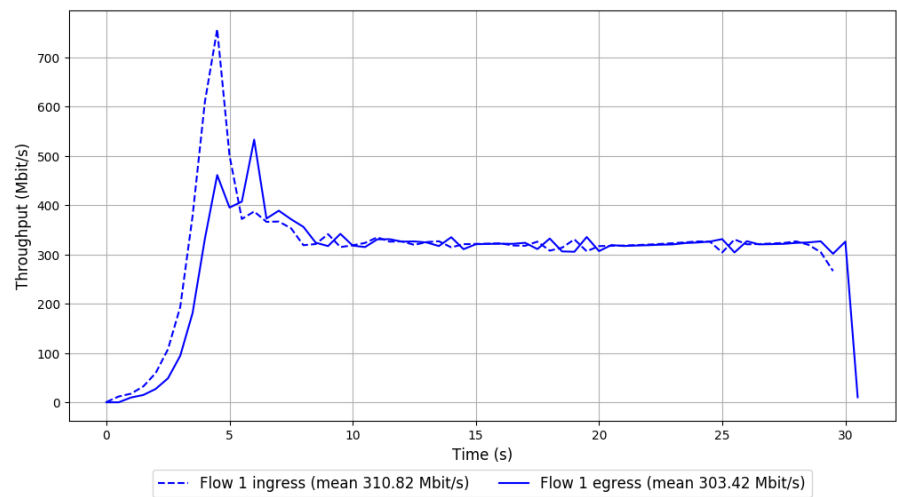


Run 5: Statistics of PCC-Expr

Start at: 2018-07-09 20:36:48
End at: 2018-07-09 20:37:18
Local clock offset: 0.083 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-09 23:45:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 303.42 Mbit/s
95th percentile per-packet one-way delay: 185.140 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 303.42 Mbit/s
95th percentile per-packet one-way delay: 185.140 ms
Loss rate: 2.38%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-09 20:59:14

End at: 2018-07-09 20:59:44

Local clock offset: 1.329 ms

Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-07-09 23:45:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.62 Mbit/s

95th percentile per-packet one-way delay: 183.015 ms

Loss rate: 1.37%

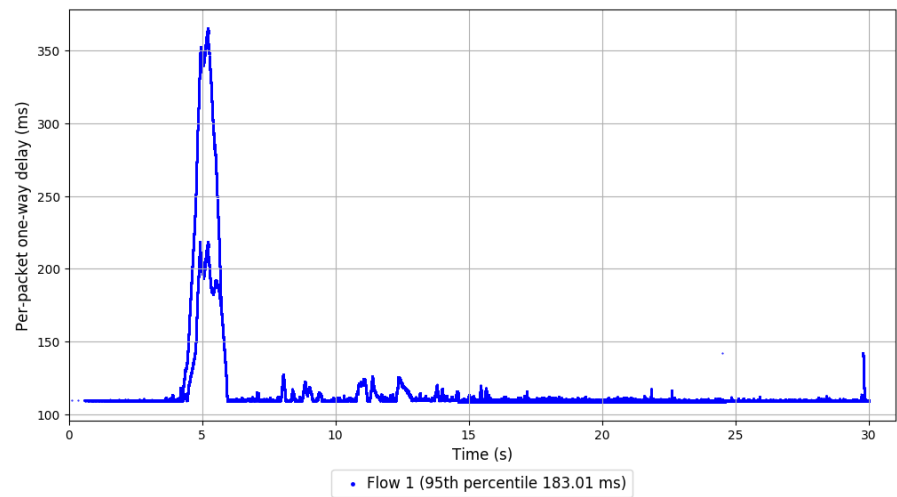
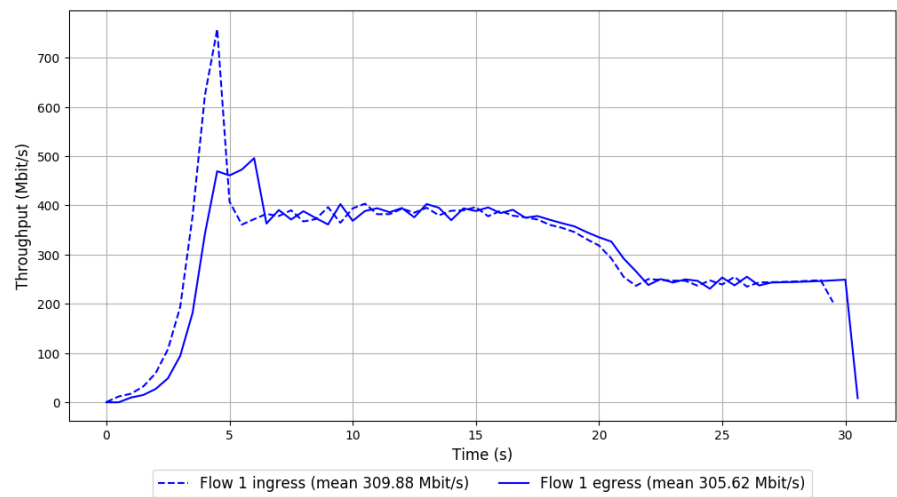
-- Flow 1:

Average throughput: 305.62 Mbit/s

95th percentile per-packet one-way delay: 183.015 ms

Loss rate: 1.37%

Run 6: Report of PCC-Expr — Data Link

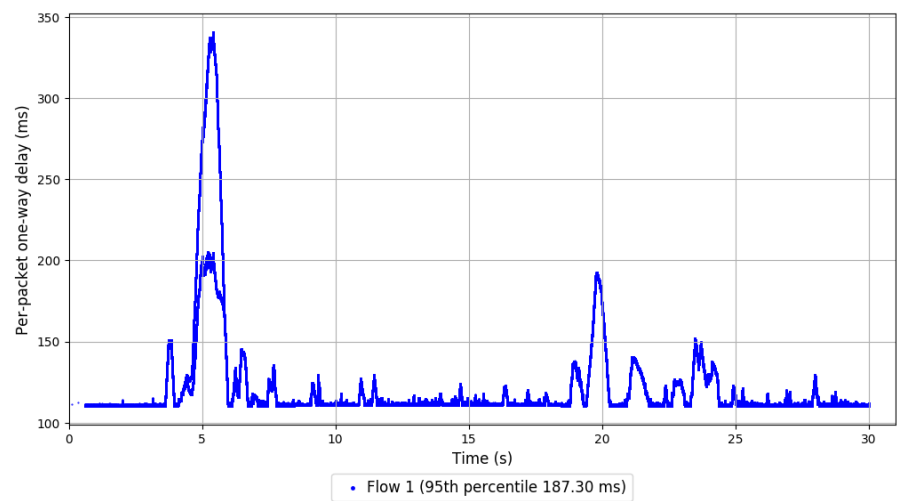
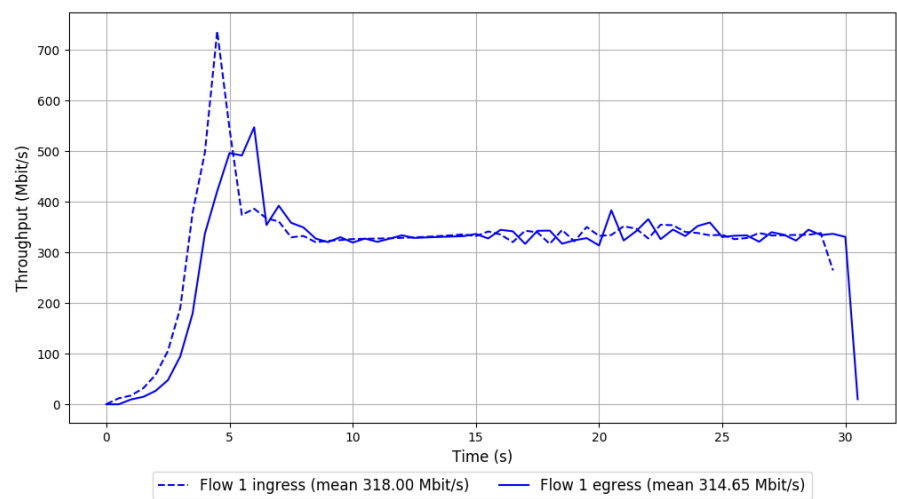


Run 7: Statistics of PCC-Expr

Start at: 2018-07-09 21:22:00
End at: 2018-07-09 21:22:30
Local clock offset: -0.299 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-09 23:50:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 314.65 Mbit/s
95th percentile per-packet one-way delay: 187.304 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 314.65 Mbit/s
95th percentile per-packet one-way delay: 187.304 ms
Loss rate: 1.06%

Run 7: Report of PCC-Expr — Data Link

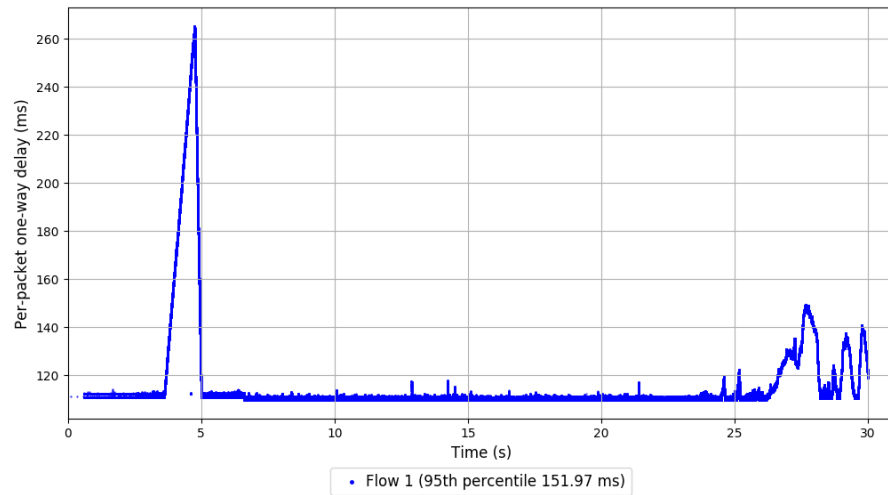
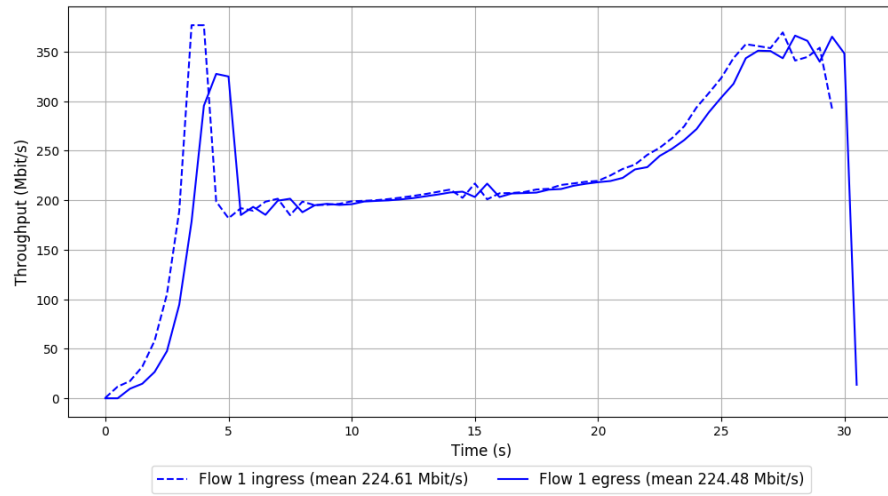


Run 8: Statistics of PCC-Expr

Start at: 2018-07-09 21:44:32
End at: 2018-07-09 21:45:02
Local clock offset: -0.144 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2018-07-09 23:50:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.48 Mbit/s
95th percentile per-packet one-way delay: 151.969 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 224.48 Mbit/s
95th percentile per-packet one-way delay: 151.969 ms
Loss rate: 0.05%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-09 22:06:31

End at: 2018-07-09 22:07:01

Local clock offset: -0.322 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-07-09 23:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.06 Mbit/s

95th percentile per-packet one-way delay: 150.910 ms

Loss rate: 0.01%

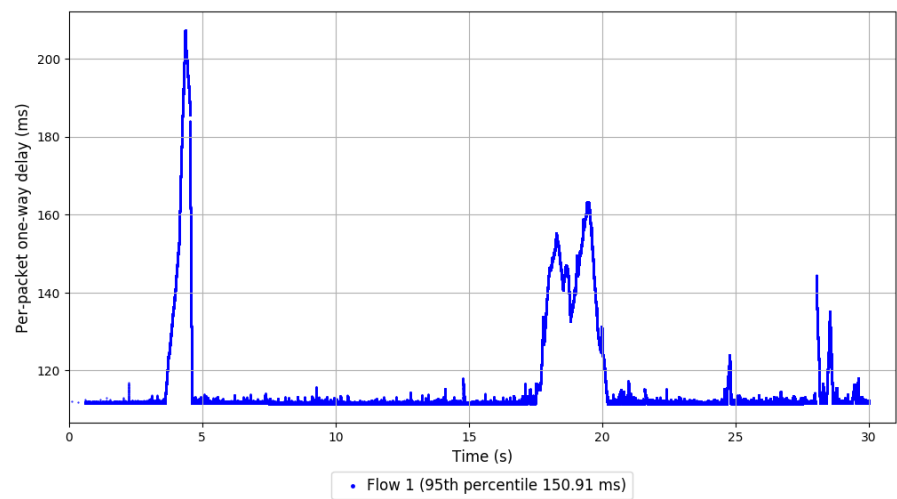
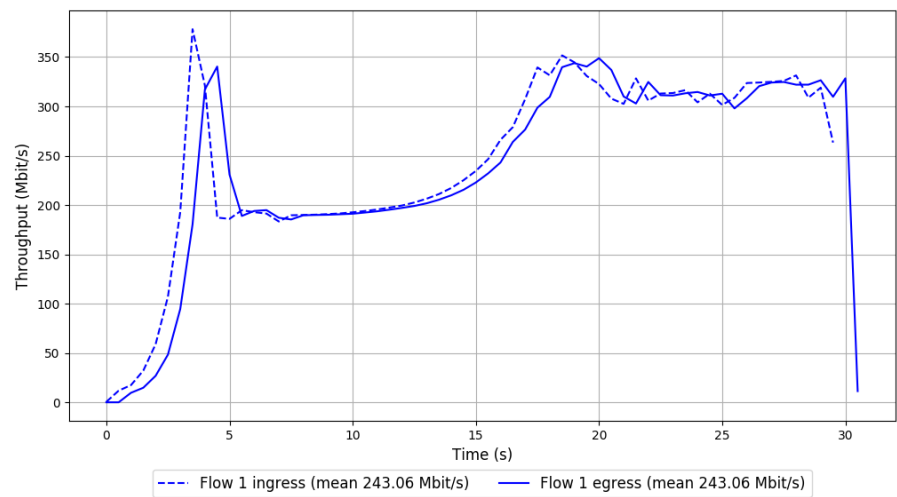
-- Flow 1:

Average throughput: 243.06 Mbit/s

95th percentile per-packet one-way delay: 150.910 ms

Loss rate: 0.01%

Run 9: Report of PCC-Expr — Data Link

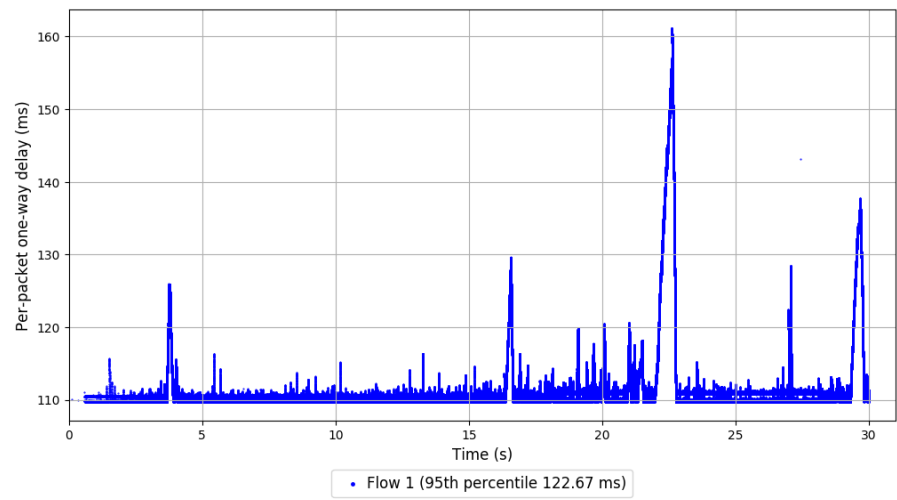
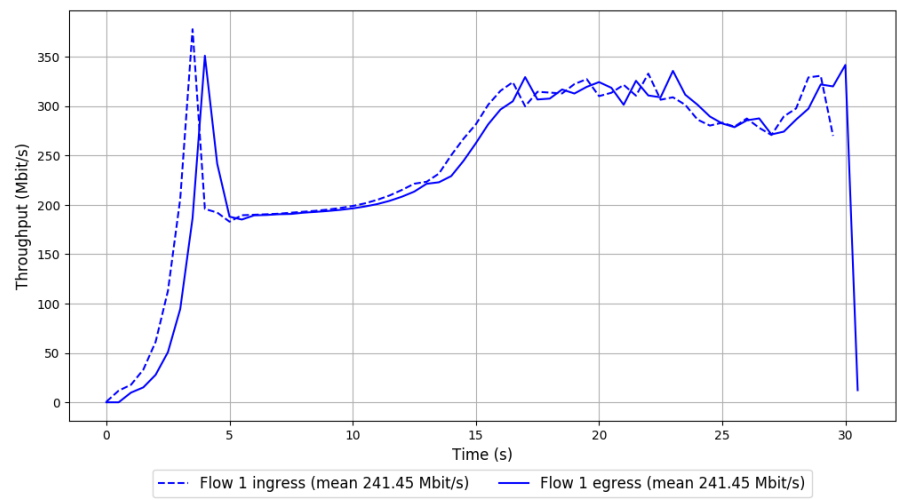


Run 10: Statistics of PCC-Expr

Start at: 2018-07-09 22:28:40
End at: 2018-07-09 22:29:10
Local clock offset: -0.007 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.45 Mbit/s
95th percentile per-packet one-way delay: 122.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.45 Mbit/s
95th percentile per-packet one-way delay: 122.670 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

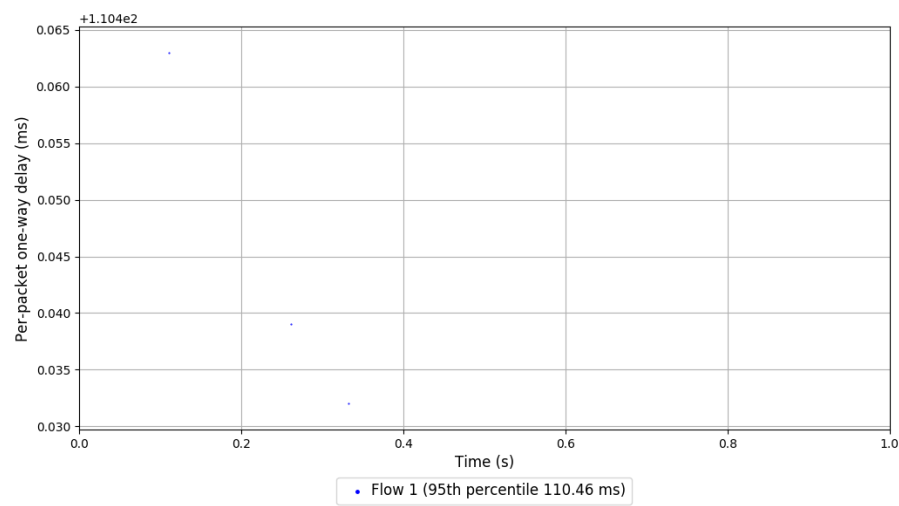
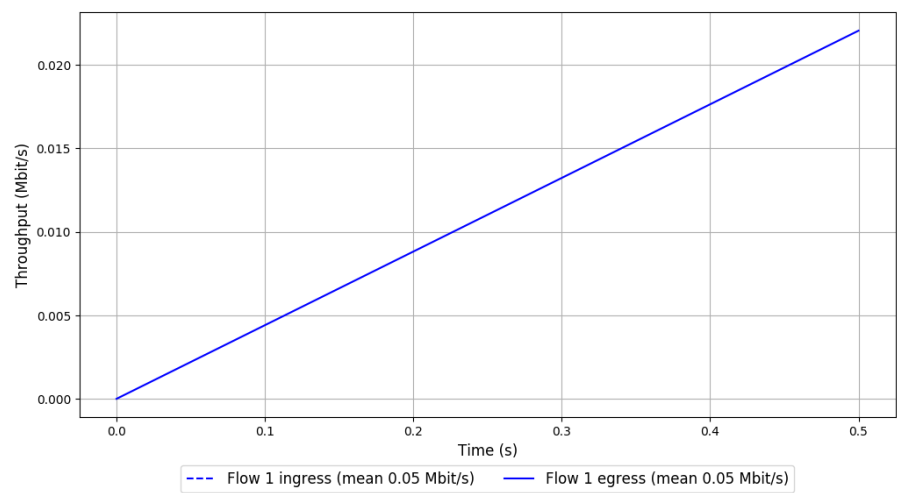
Start at: 2018-07-09 18:59:12

End at: 2018-07-09 18:59:43

Local clock offset: 0.115 ms

Remote clock offset: 0.145 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-09 19:21:30

End at: 2018-07-09 19:22:00

Local clock offset: 0.172 ms

Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.13 Mbit/s

95th percentile per-packet one-way delay: 110.126 ms

Loss rate: 0.00%

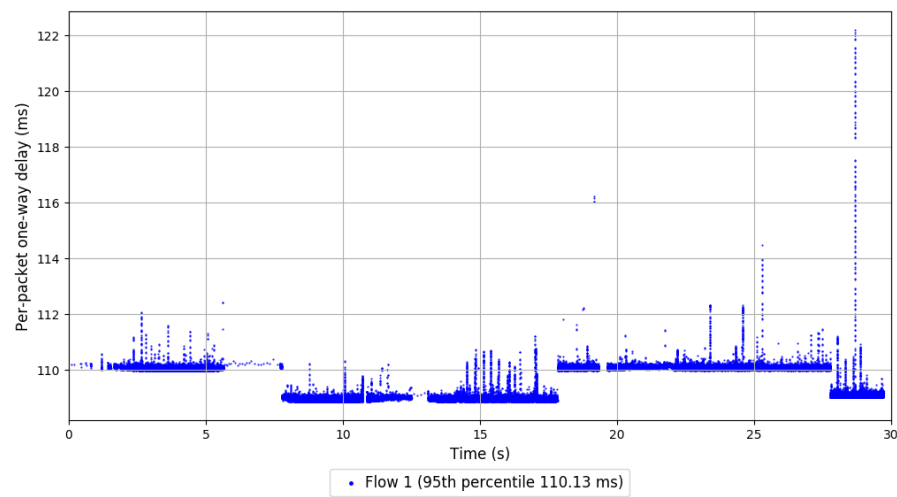
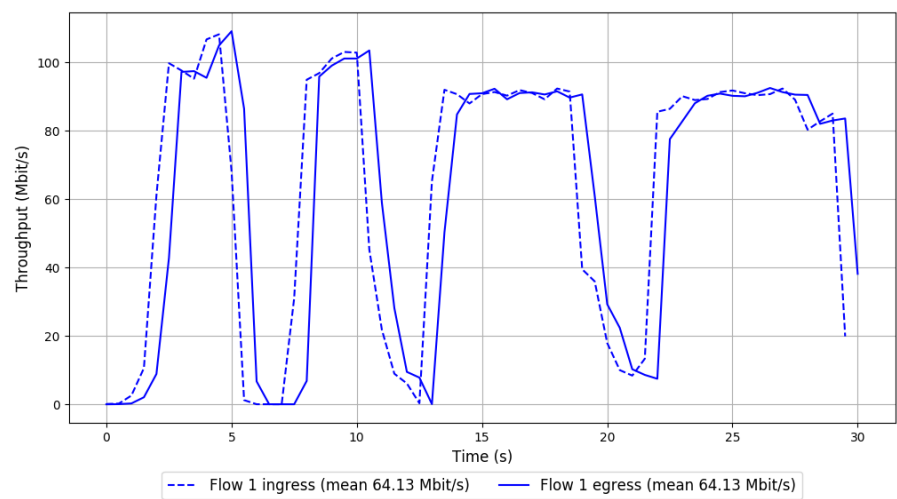
-- Flow 1:

Average throughput: 64.13 Mbit/s

95th percentile per-packet one-way delay: 110.126 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

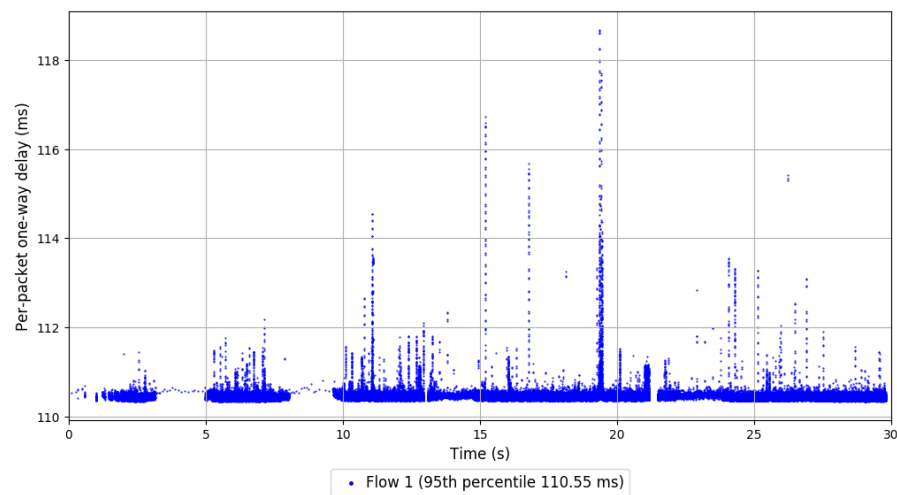
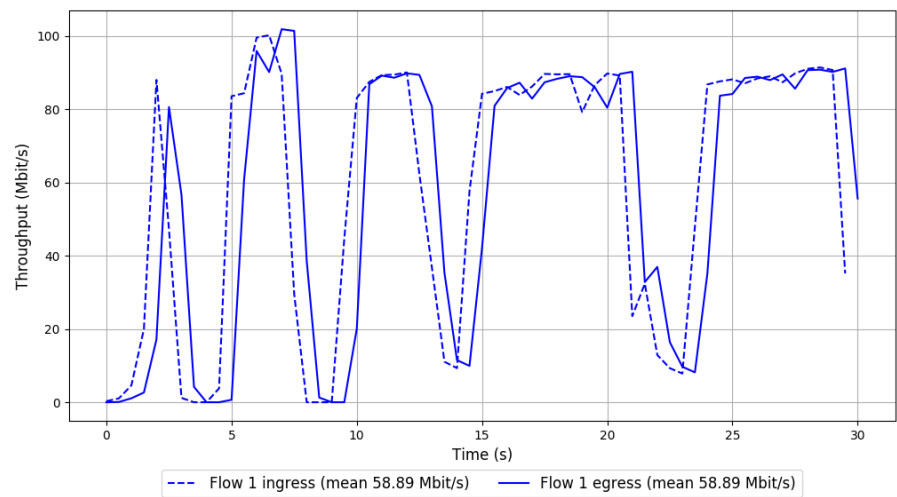


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-09 19:44:01
End at: 2018-07-09 19:44:31
Local clock offset: -0.082 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 110.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 110.545 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-09 20:06:36

End at: 2018-07-09 20:07:06

Local clock offset: 1.333 ms

Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.34 Mbit/s

95th percentile per-packet one-way delay: 110.574 ms

Loss rate: 0.00%

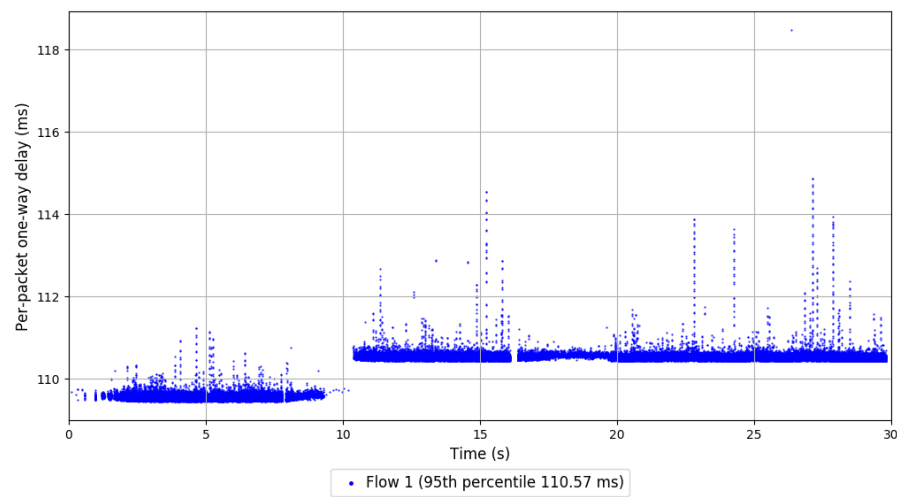
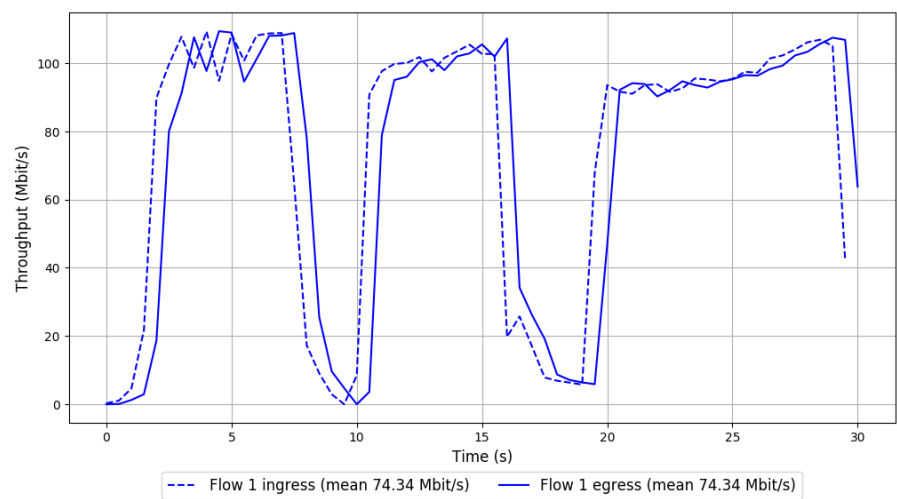
-- Flow 1:

Average throughput: 74.34 Mbit/s

95th percentile per-packet one-way delay: 110.574 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-09 20:29:13

End at: 2018-07-09 20:29:43

Local clock offset: -0.247 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.54 Mbit/s

95th percentile per-packet one-way delay: 111.588 ms

Loss rate: 0.00%

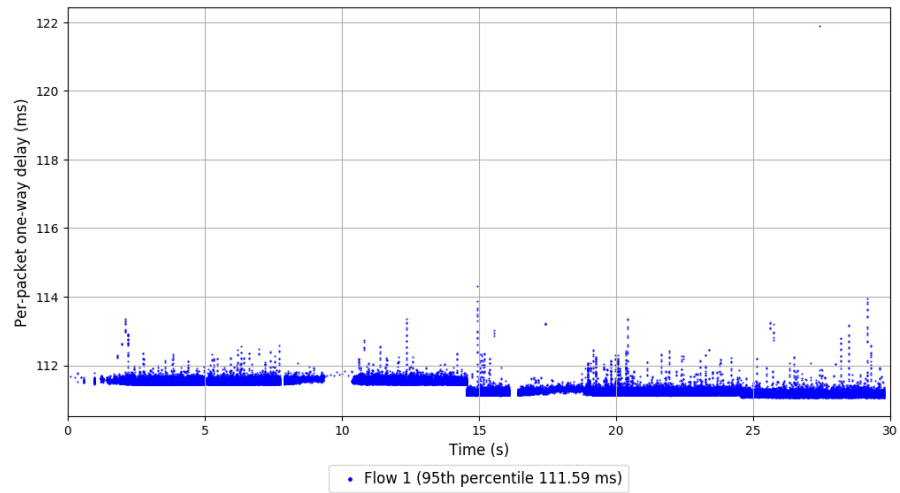
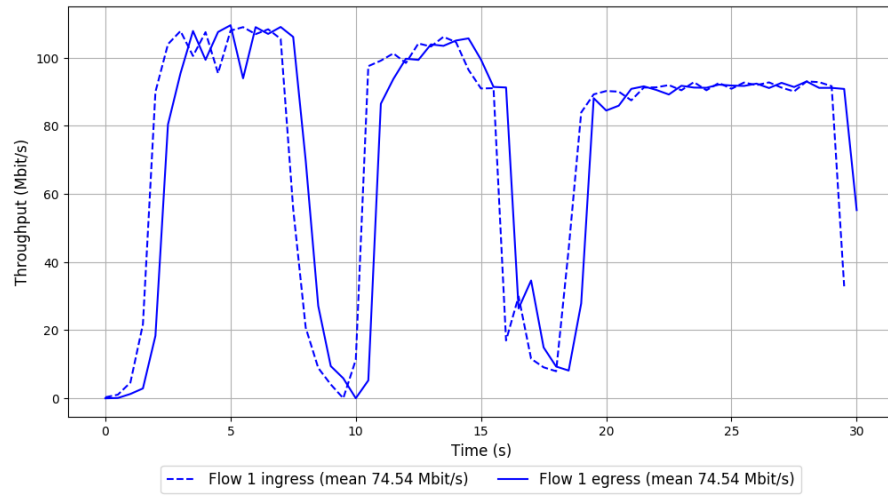
-- Flow 1:

Average throughput: 74.54 Mbit/s

95th percentile per-packet one-way delay: 111.588 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

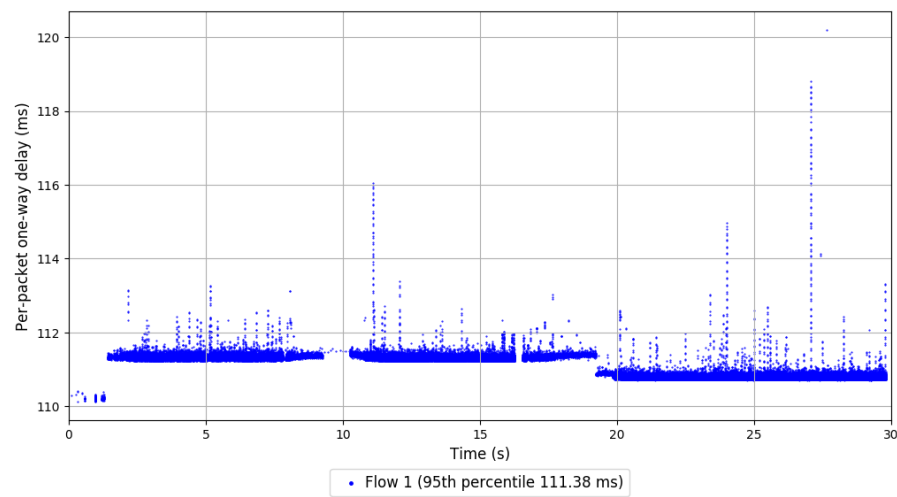
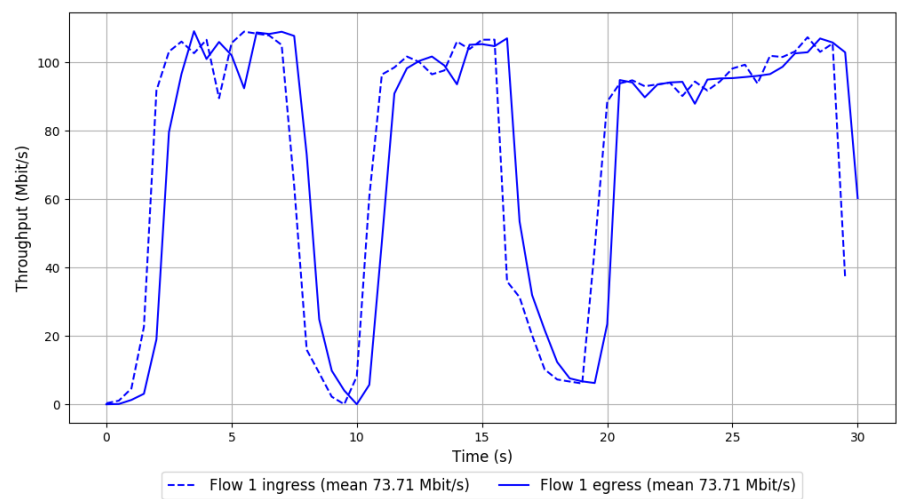


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-09 20:51:37
End at: 2018-07-09 20:52:07
Local clock offset: -0.067 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 111.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 111.383 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-09 21:14:28

End at: 2018-07-09 21:14:58

Local clock offset: -1.594 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.85 Mbit/s

95th percentile per-packet one-way delay: 113.088 ms

Loss rate: 0.00%

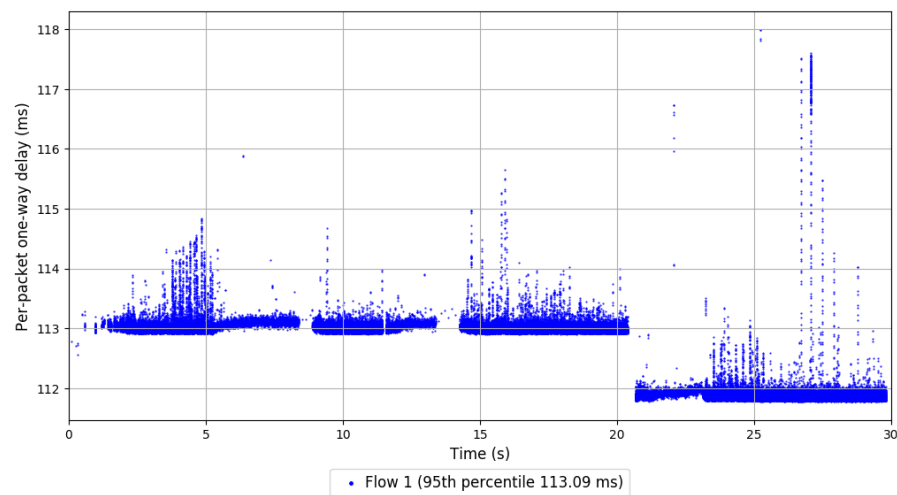
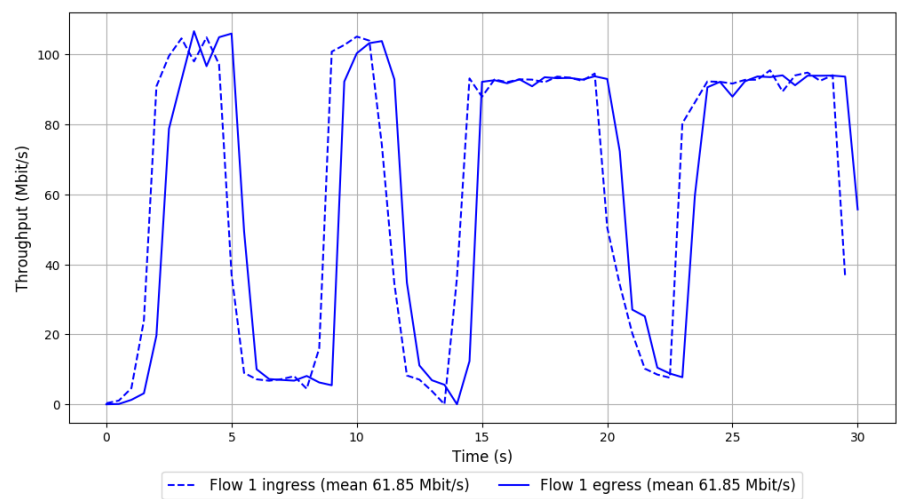
-- Flow 1:

Average throughput: 61.85 Mbit/s

95th percentile per-packet one-way delay: 113.088 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

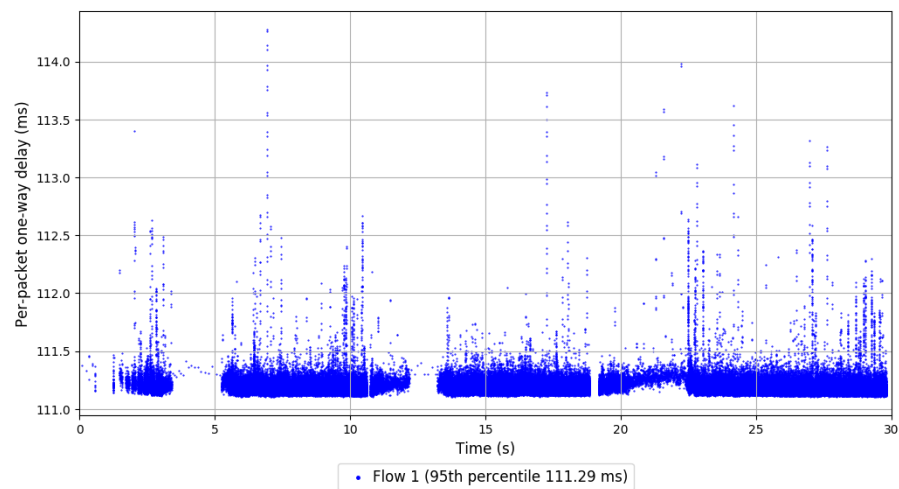
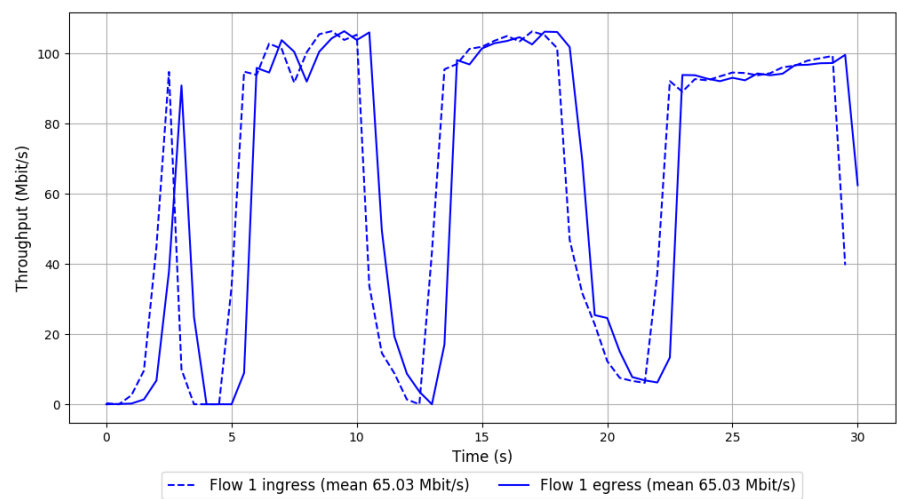


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-09 21:37:05
End at: 2018-07-09 21:37:35
Local clock offset: -0.072 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.03 Mbit/s
95th percentile per-packet one-way delay: 111.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.03 Mbit/s
95th percentile per-packet one-way delay: 111.294 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-09 21:59:00

End at: 2018-07-09 21:59:30

Local clock offset: -0.179 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.72 Mbit/s

95th percentile per-packet one-way delay: 111.609 ms

Loss rate: 0.00%

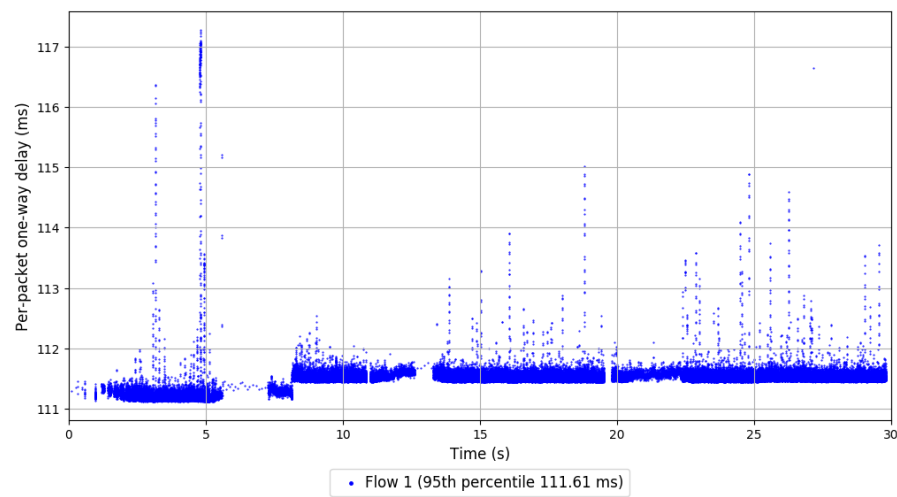
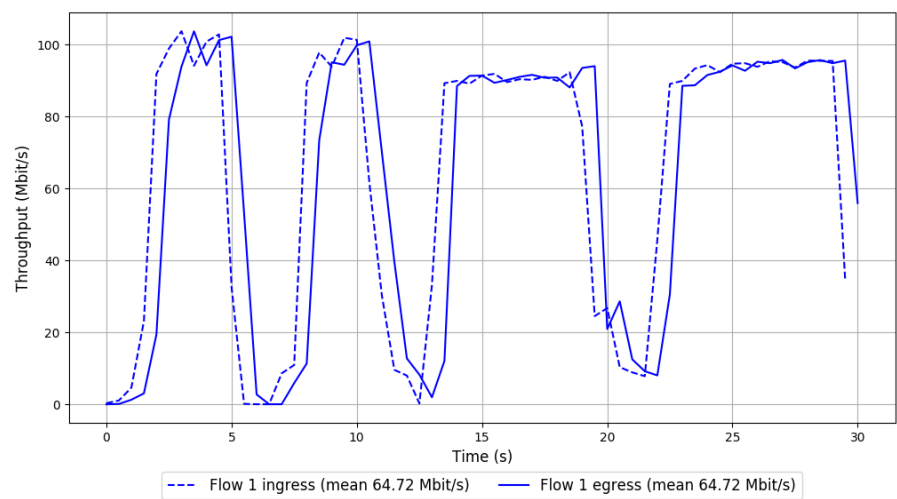
-- Flow 1:

Average throughput: 64.72 Mbit/s

95th percentile per-packet one-way delay: 111.609 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-09 22:21:09

End at: 2018-07-09 22:21:39

Local clock offset: 0.129 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.82 Mbit/s

95th percentile per-packet one-way delay: 110.783 ms

Loss rate: 0.00%

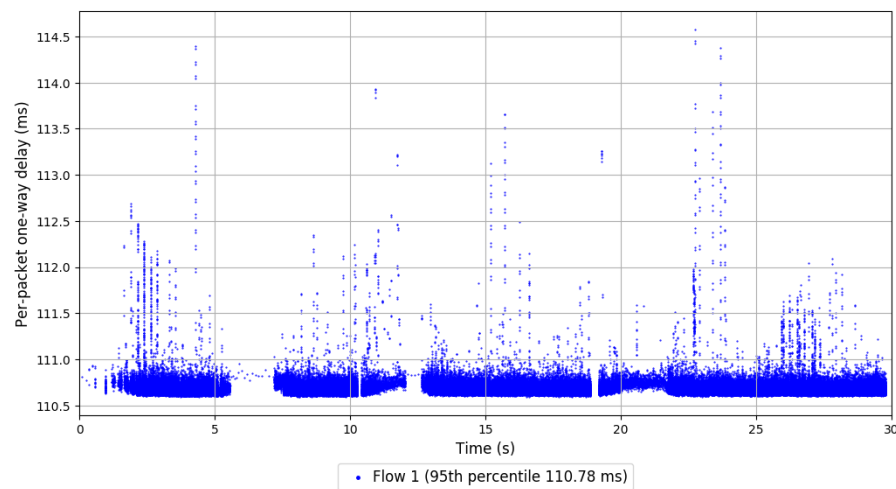
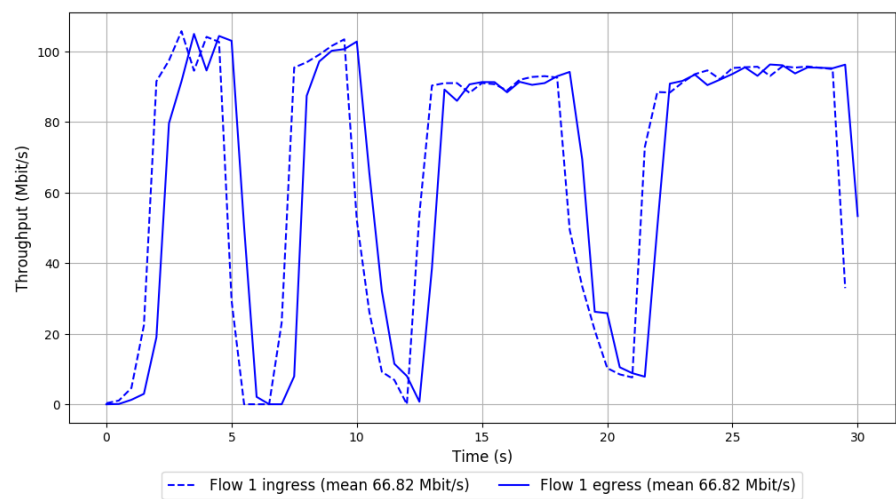
-- Flow 1:

Average throughput: 66.82 Mbit/s

95th percentile per-packet one-way delay: 110.783 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

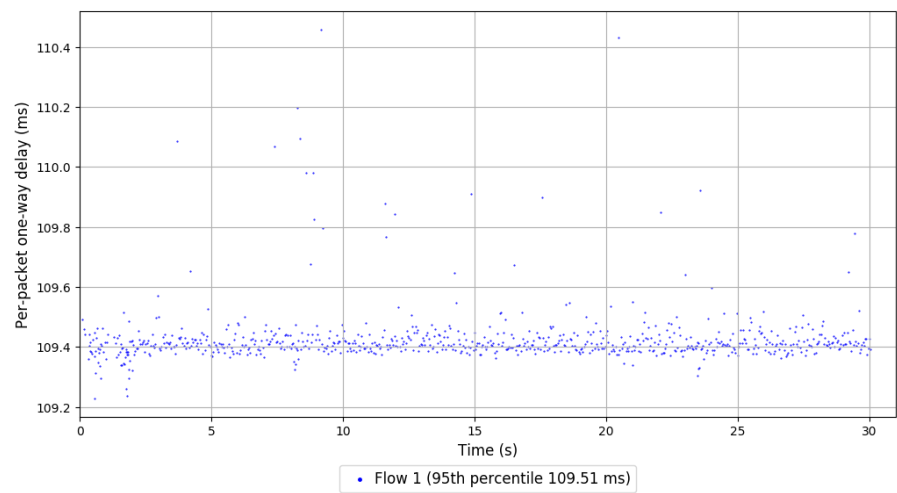
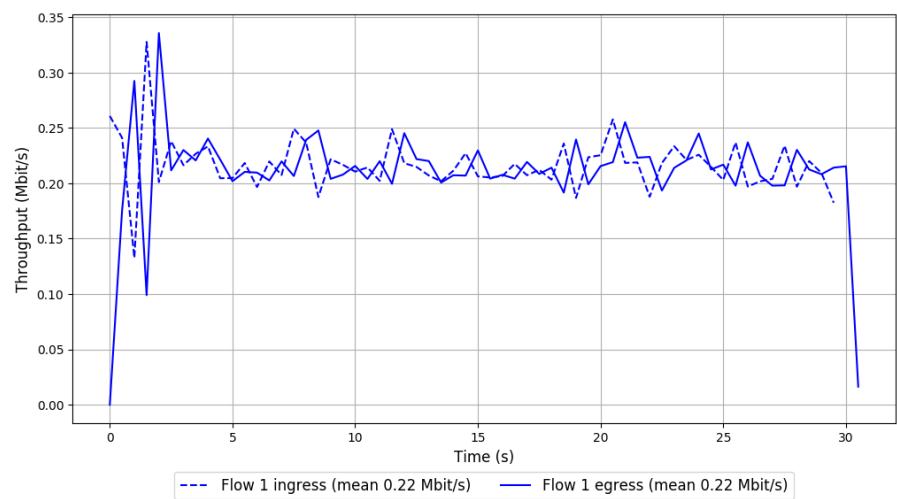


Run 1: Statistics of SCReAM

Start at: 2018-07-09 19:15:53
End at: 2018-07-09 19:16:24
Local clock offset: -0.095 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.513 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-09 19:38:33

End at: 2018-07-09 19:39:03

Local clock offset: -0.075 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.442 ms

Loss rate: 0.00%

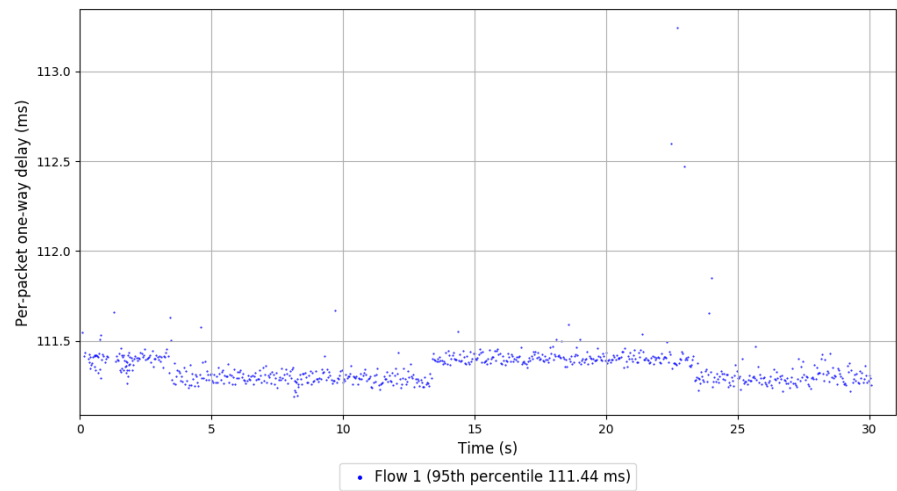
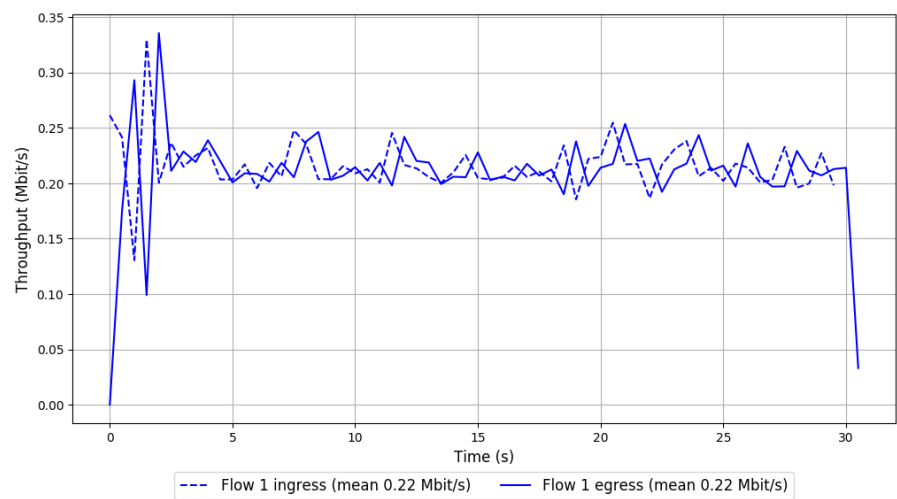
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.442 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

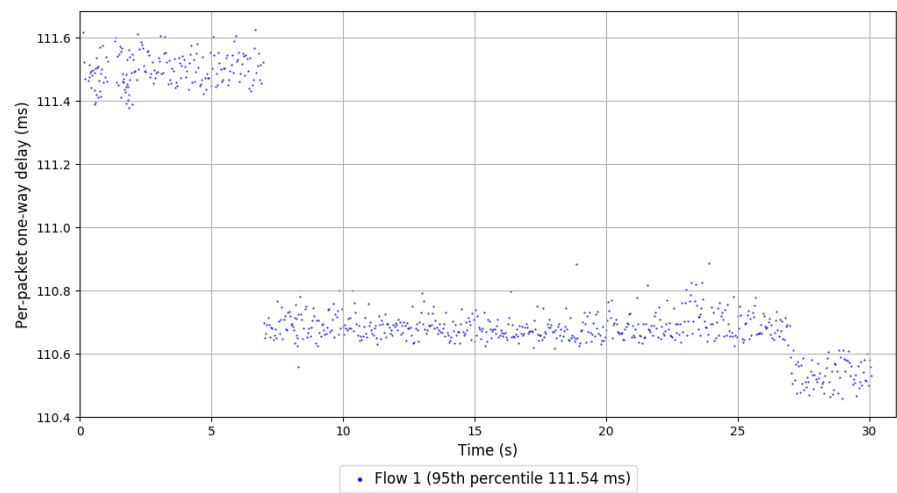
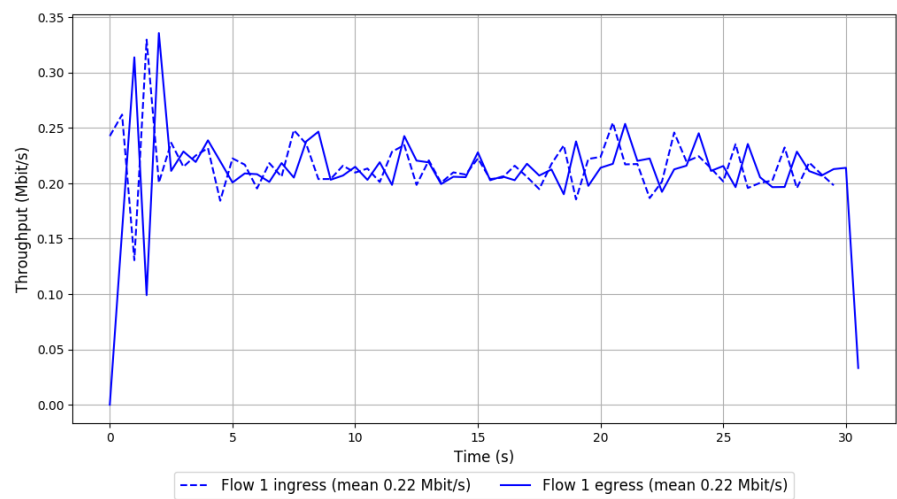


Run 3: Statistics of SCReAM

Start at: 2018-07-09 20:01:01
End at: 2018-07-09 20:01:31
Local clock offset: -0.319 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.543 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

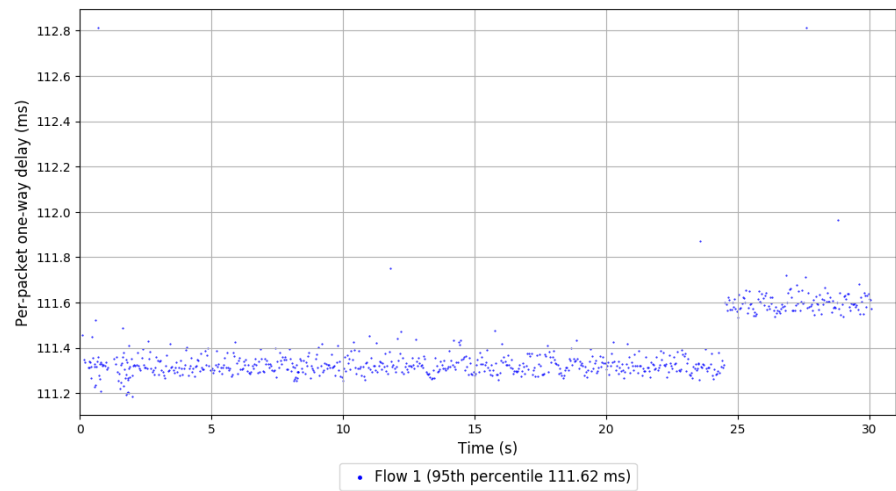
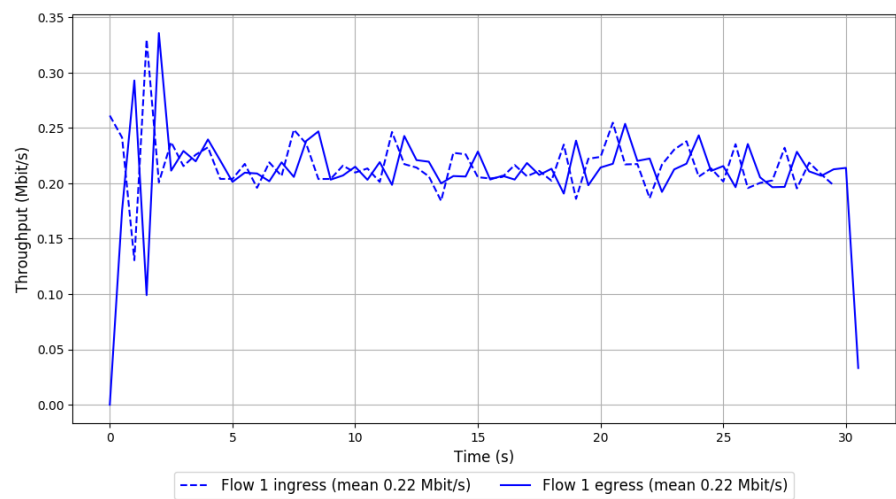


Run 4: Statistics of SCReAM

Start at: 2018-07-09 20:23:34
End at: 2018-07-09 20:24:04
Local clock offset: -0.156 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.622 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.622 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-09 20:45:58

End at: 2018-07-09 20:46:28

Local clock offset: -0.351 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.971 ms

Loss rate: 0.00%

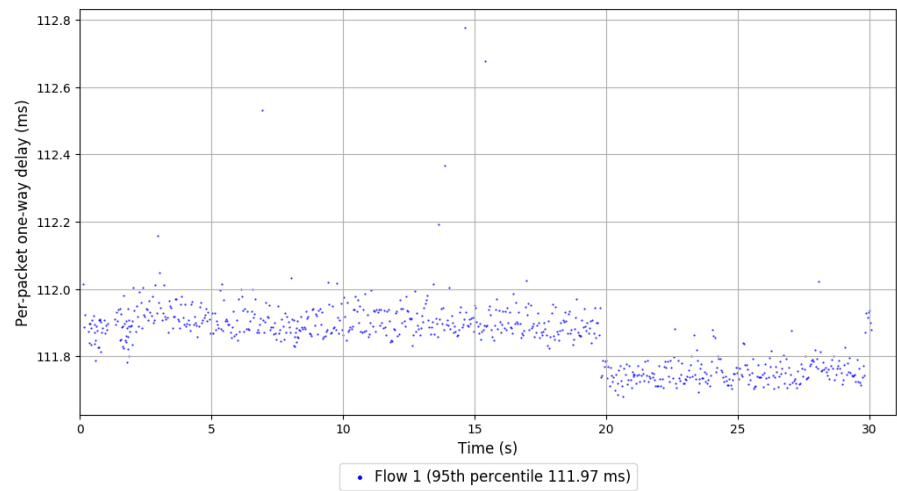
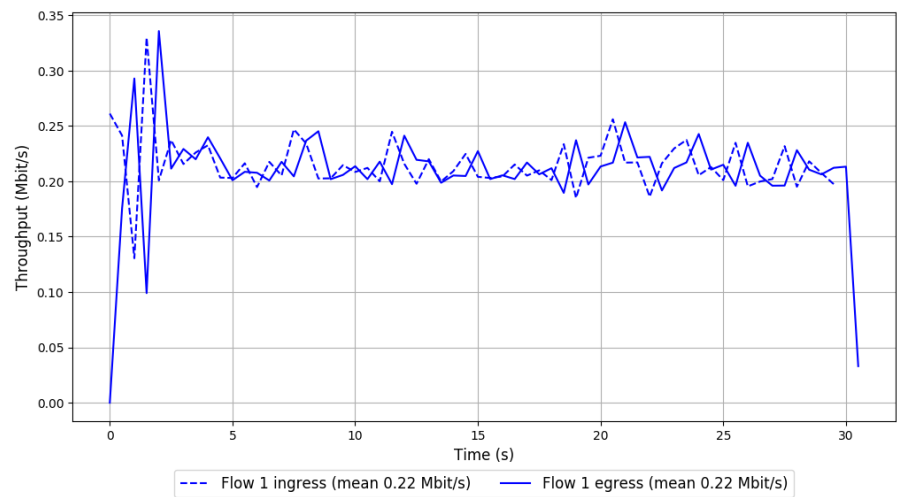
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.971 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

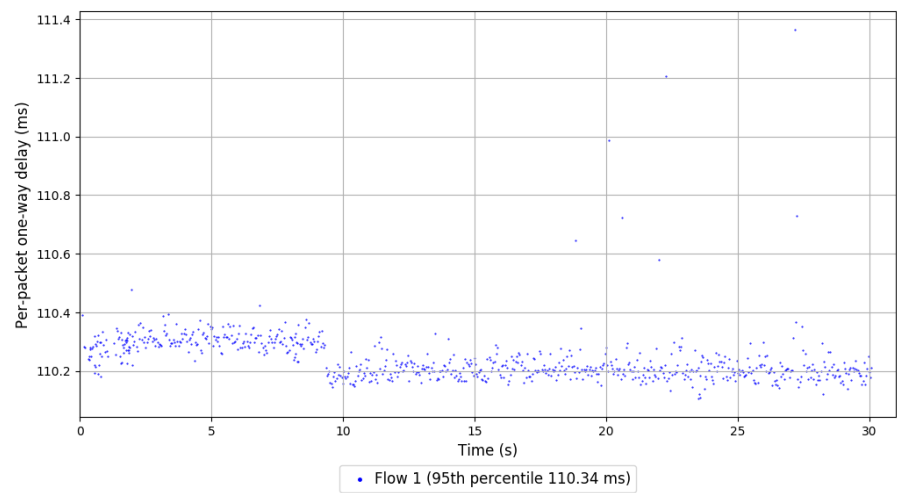
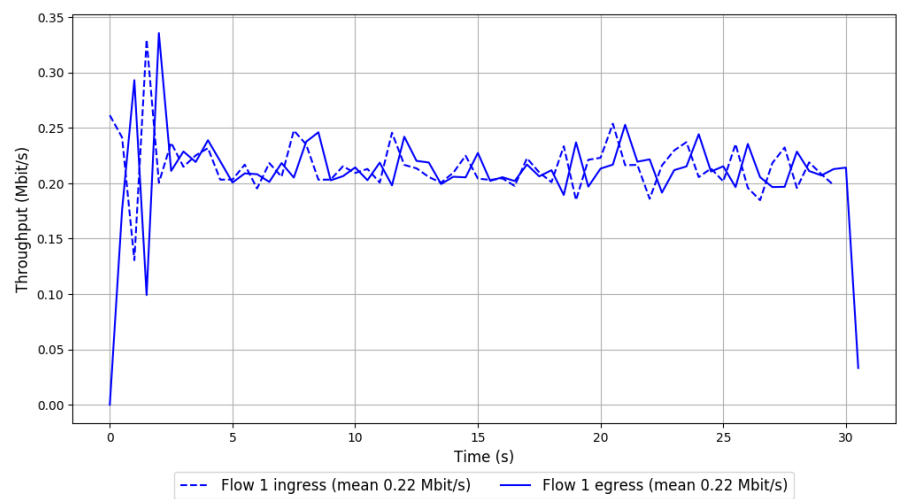


Run 6: Statistics of SCReAM

Start at: 2018-07-09 21:08:49
End at: 2018-07-09 21:09:19
Local clock offset: -0.223 ms
Remote clock offset: -0.506 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.342 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-09 21:31:28

End at: 2018-07-09 21:31:58

Local clock offset: -0.347 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.115 ms

Loss rate: 0.00%

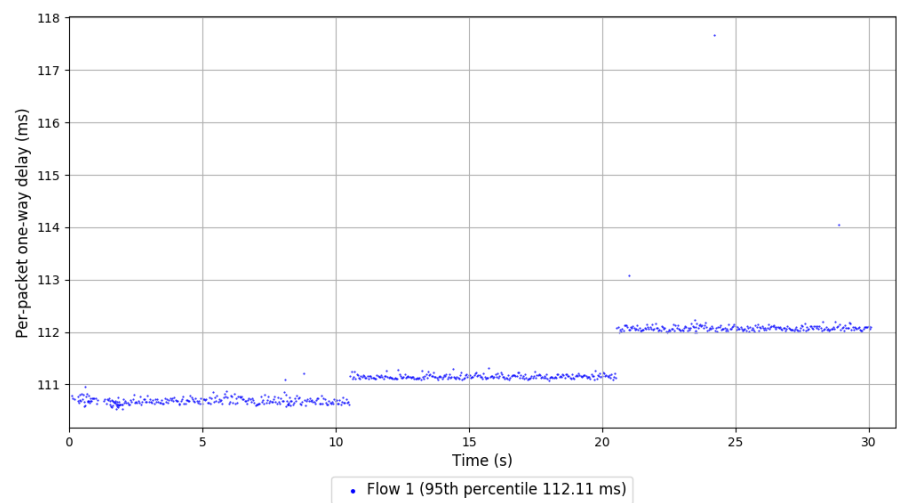
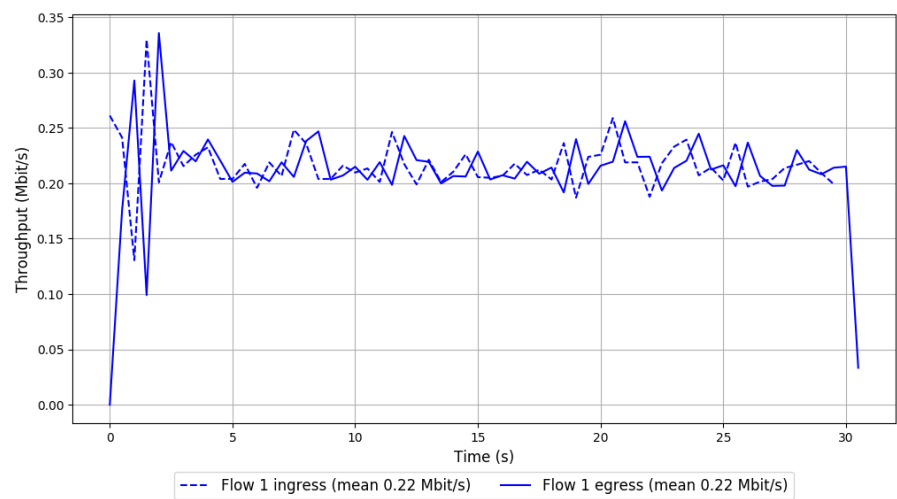
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.115 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

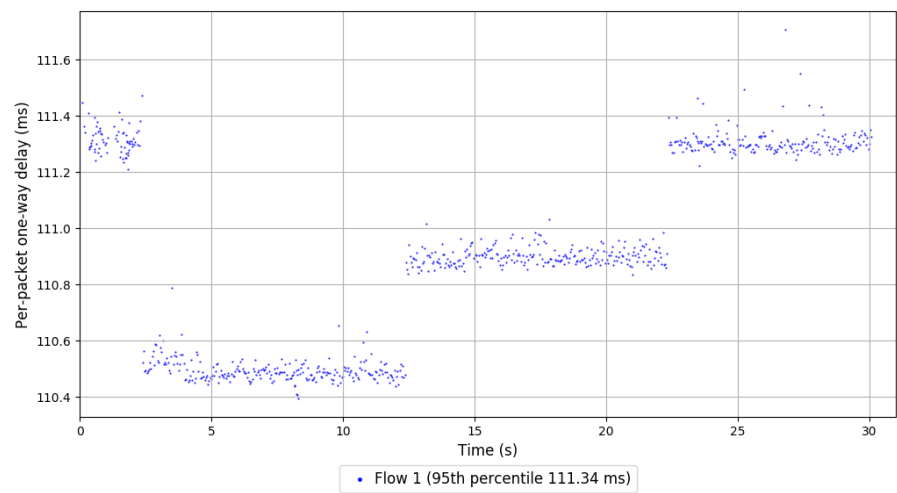
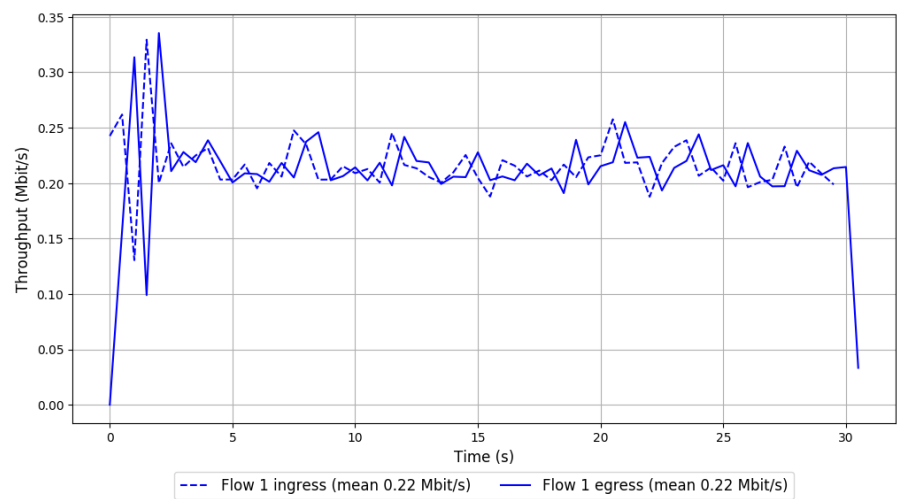


Run 8: Statistics of SCReAM

Start at: 2018-07-09 21:53:46
End at: 2018-07-09 21:54:16
Local clock offset: 0.01 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.341 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

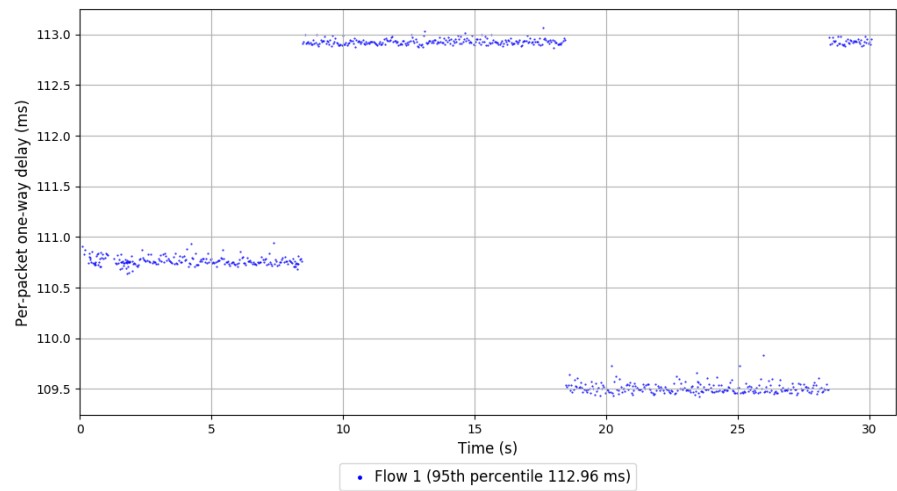
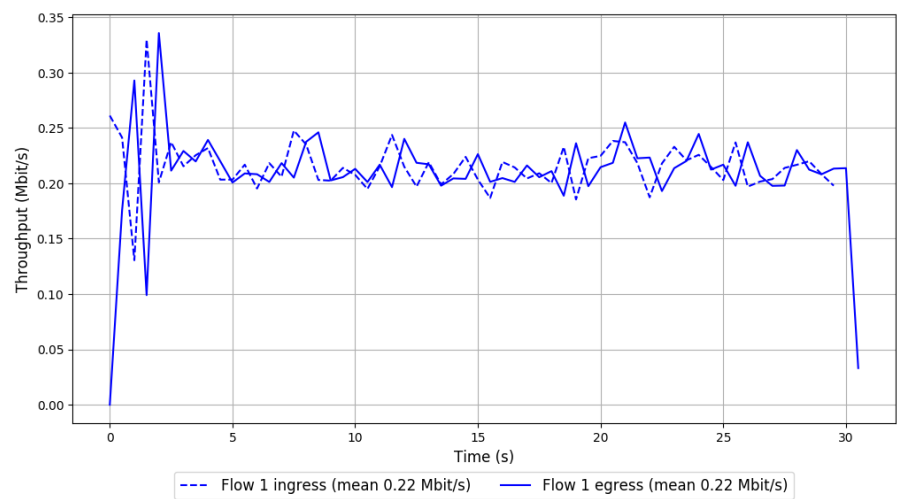


Run 9: Statistics of SCReAM

Start at: 2018-07-09 22:15:40
End at: 2018-07-09 22:16:10
Local clock offset: -0.317 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.956 ms
Loss rate: 0.00%

Run 9: Report of SCRaM — Data Link

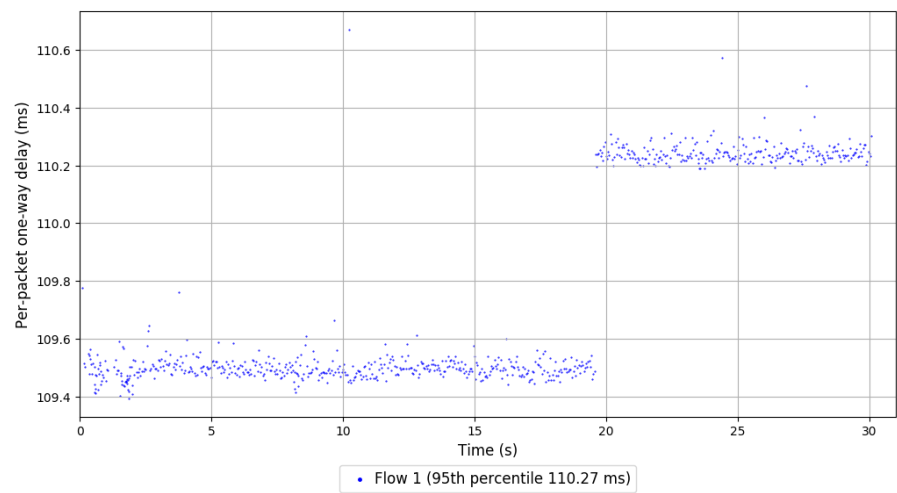
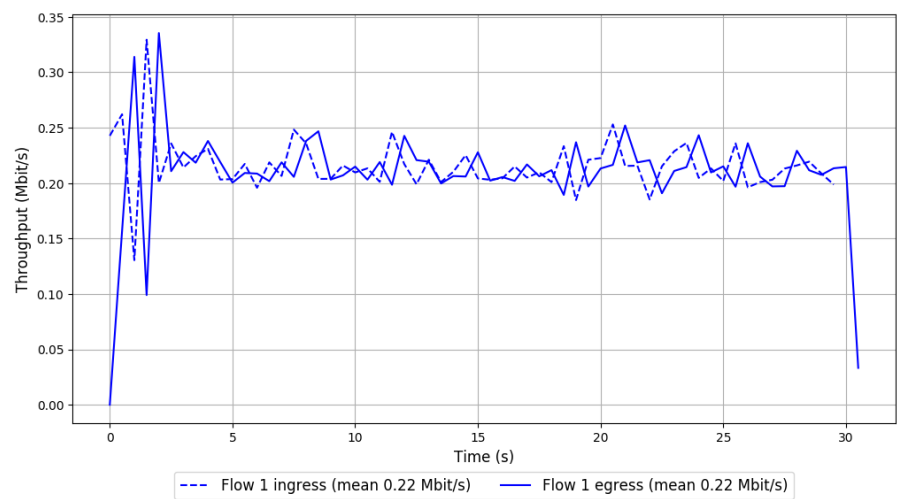


Run 10: Statistics of SCReAM

Start at: 2018-07-09 22:37:49
End at: 2018-07-09 22:38:19
Local clock offset: 1.296 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.272 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-09 19:10:49

End at: 2018-07-09 19:11:19

Local clock offset: -0.217 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 112.267 ms

Loss rate: 0.00%

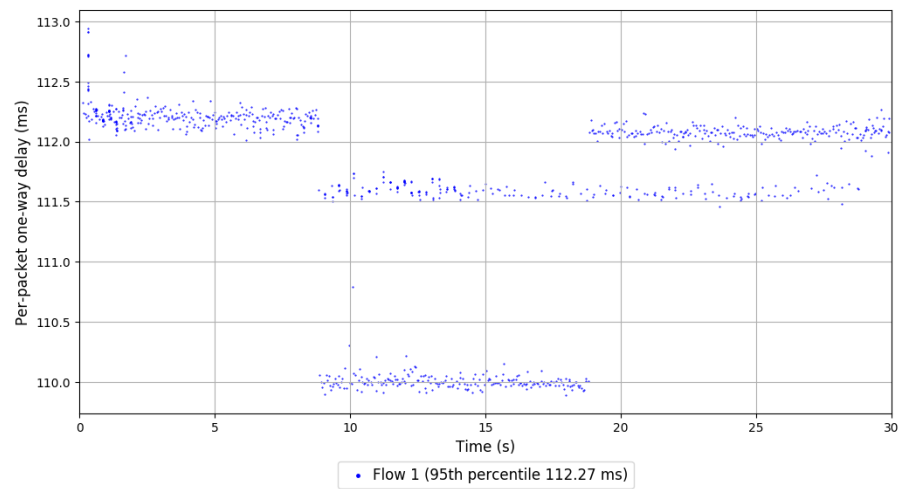
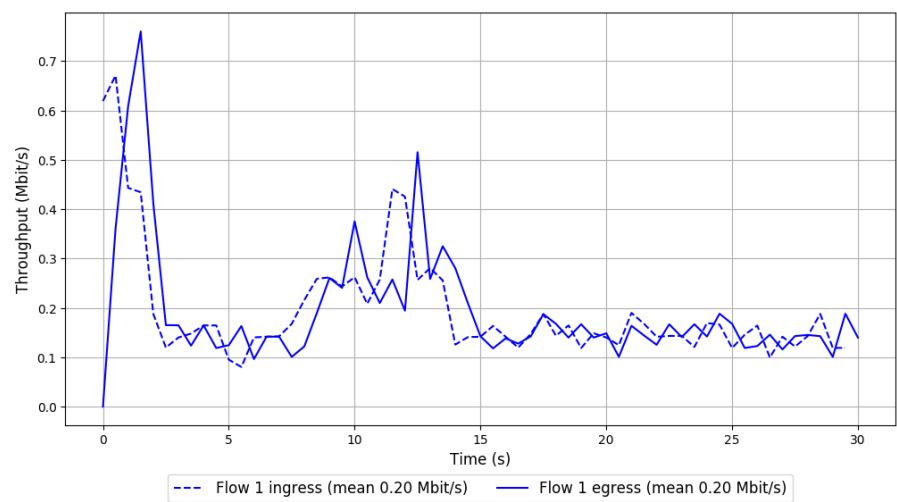
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 112.267 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

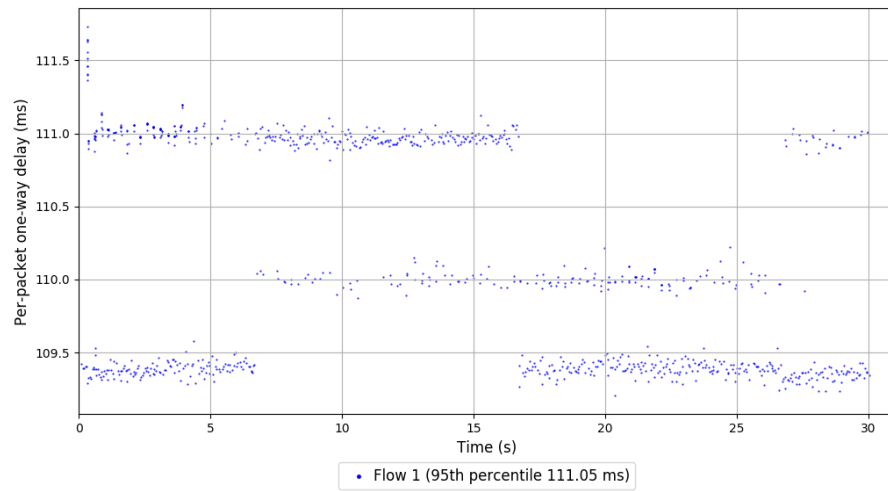
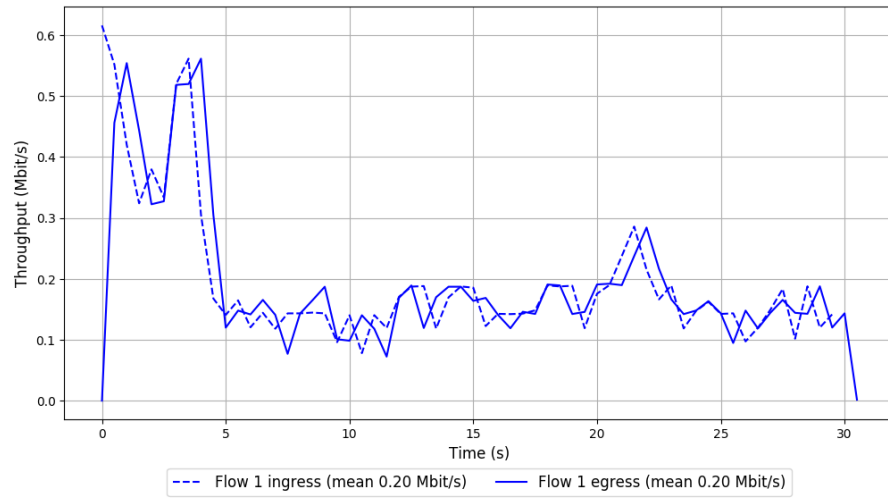


Run 2: Statistics of Sprout

Start at: 2018-07-09 19:33:01
End at: 2018-07-09 19:33:31
Local clock offset: -0.049 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.048 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

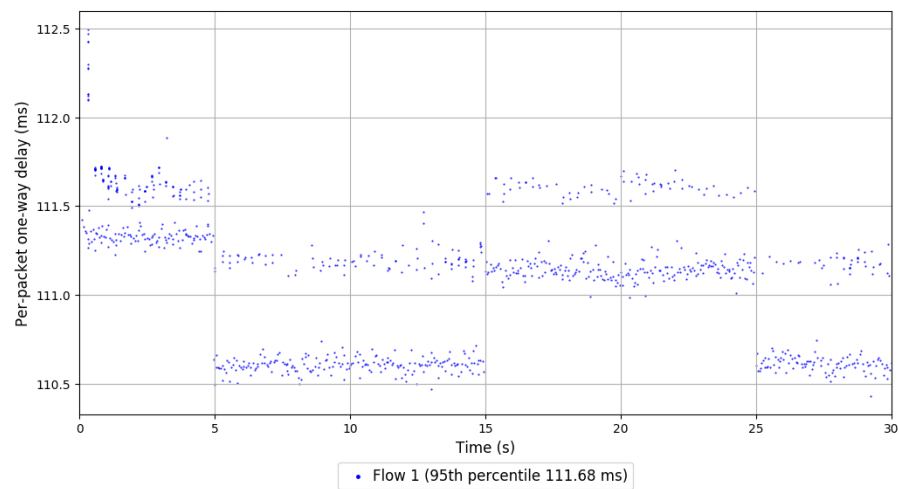
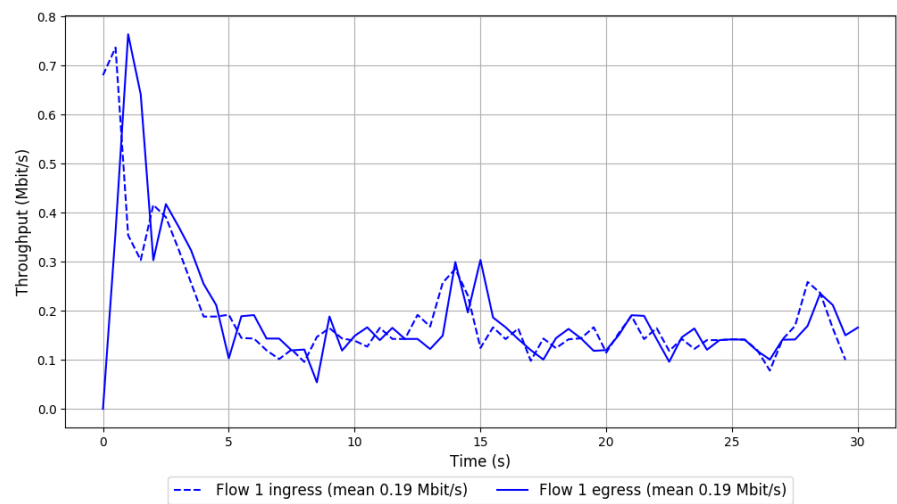


Run 3: Statistics of Sprout

Start at: 2018-07-09 19:55:43
End at: 2018-07-09 19:56:13
Local clock offset: -0.086 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.680 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

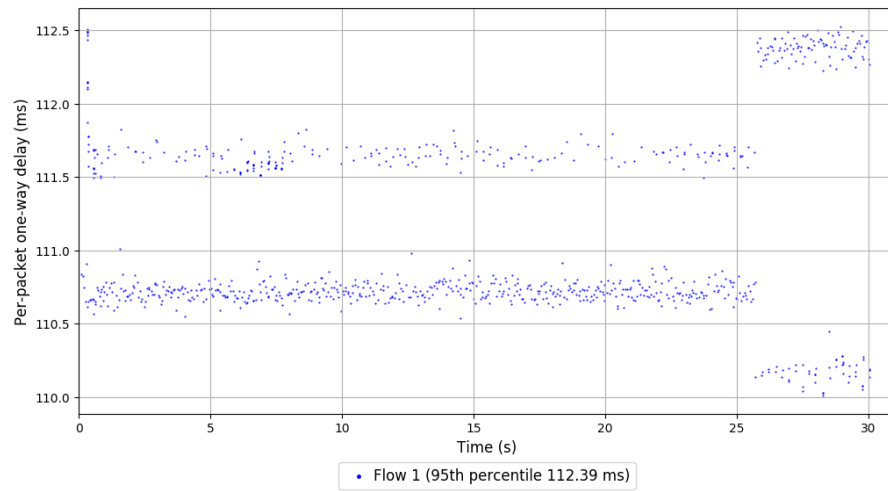
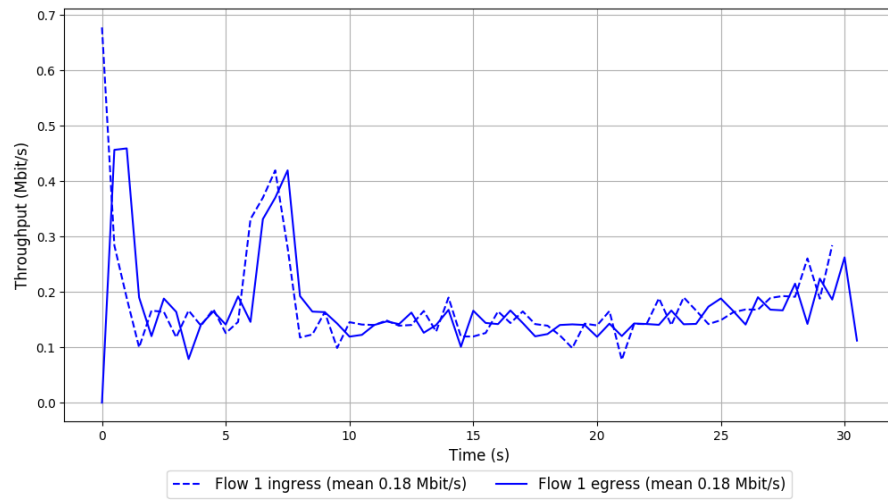


Run 4: Statistics of Sprout

Start at: 2018-07-09 20:18:22
End at: 2018-07-09 20:18:53
Local clock offset: -0.139 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.393 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-09 20:40:55

End at: 2018-07-09 20:41:25

Local clock offset: 0.125 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-09 23:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.417 ms

Loss rate: 0.00%

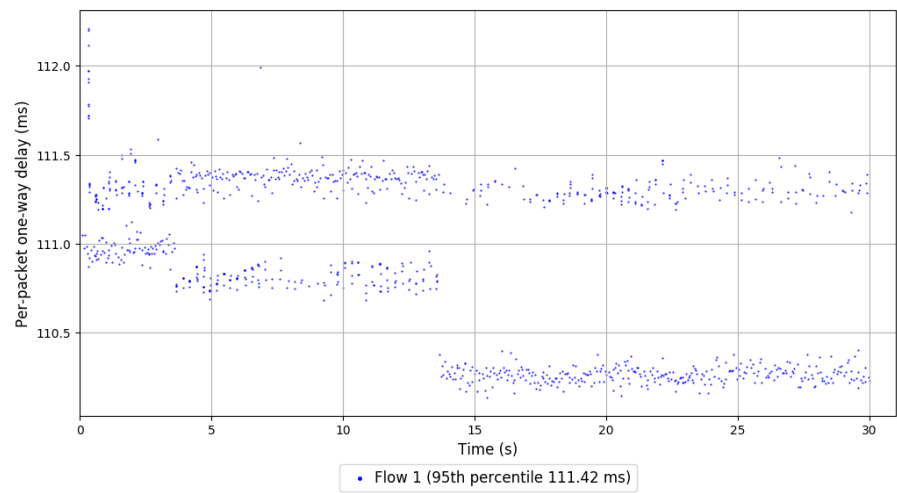
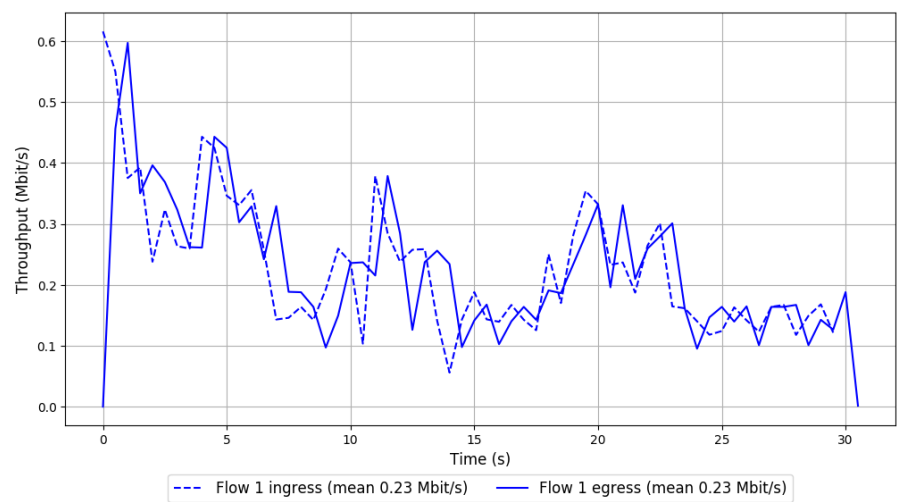
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.417 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

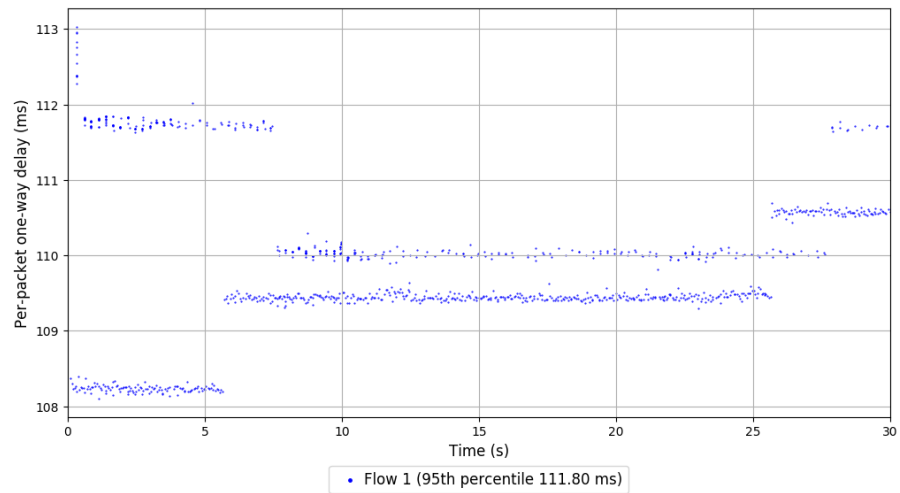
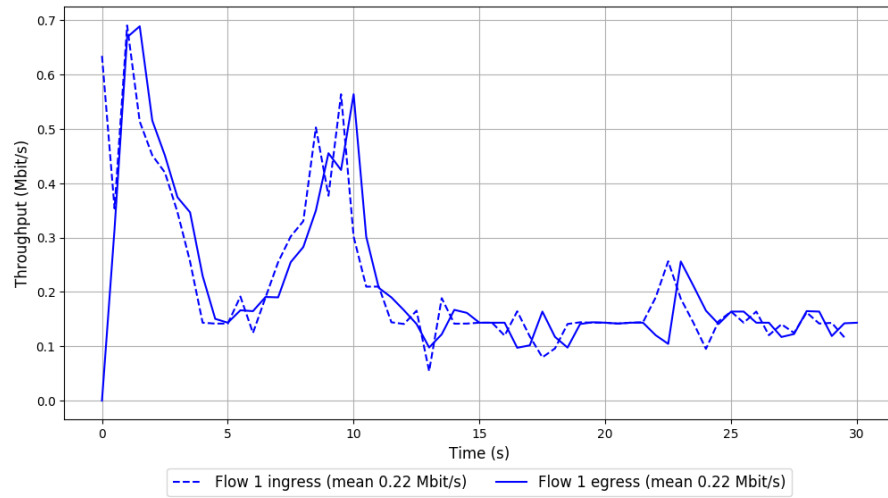


Run 6: Statistics of Sprout

Start at: 2018-07-09 21:03:21
End at: 2018-07-09 21:03:51
Local clock offset: 0.921 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.801 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

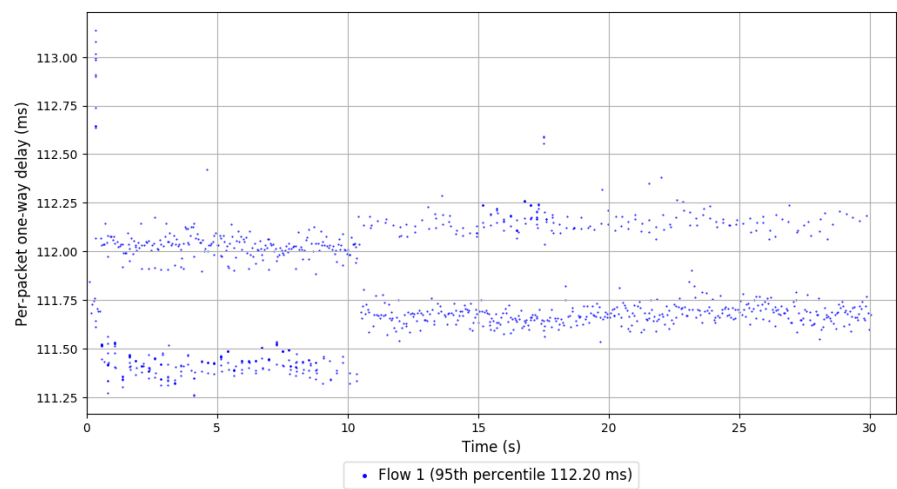
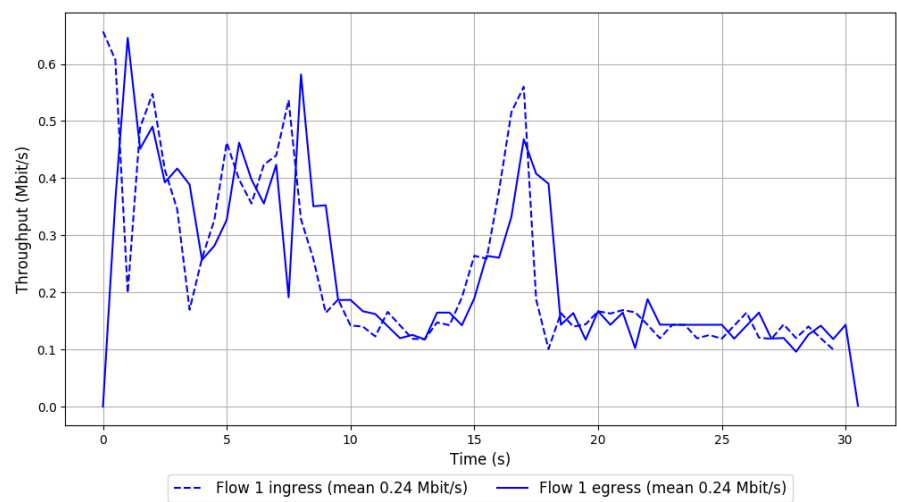


Run 7: Statistics of Sprout

Start at: 2018-07-09 21:26:08
End at: 2018-07-09 21:26:38
Local clock offset: -1.24 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-09 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.202 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

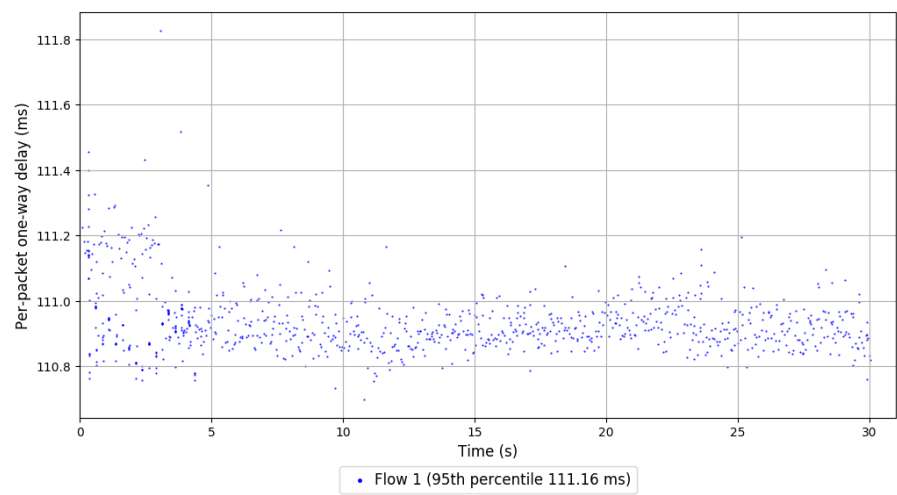
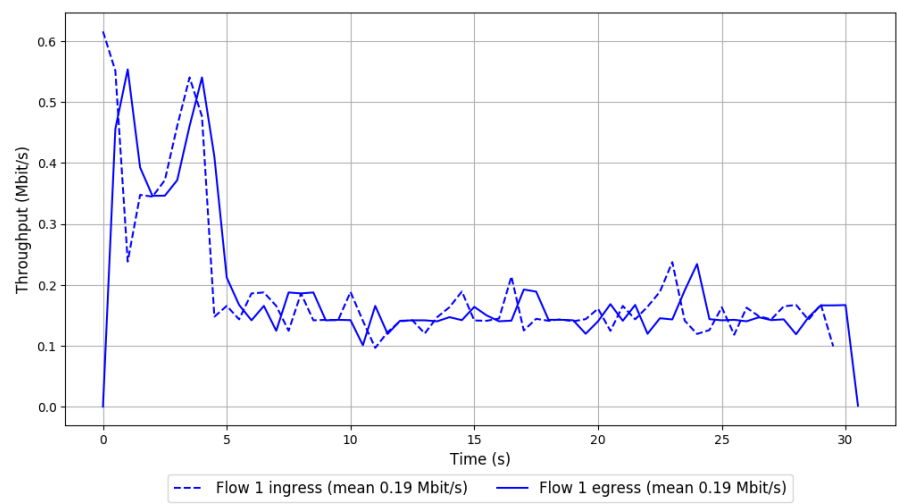


Run 8: Statistics of Sprout

Start at: 2018-07-09 21:48:33
End at: 2018-07-09 21:49:03
Local clock offset: 0.017 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-09 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.163 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

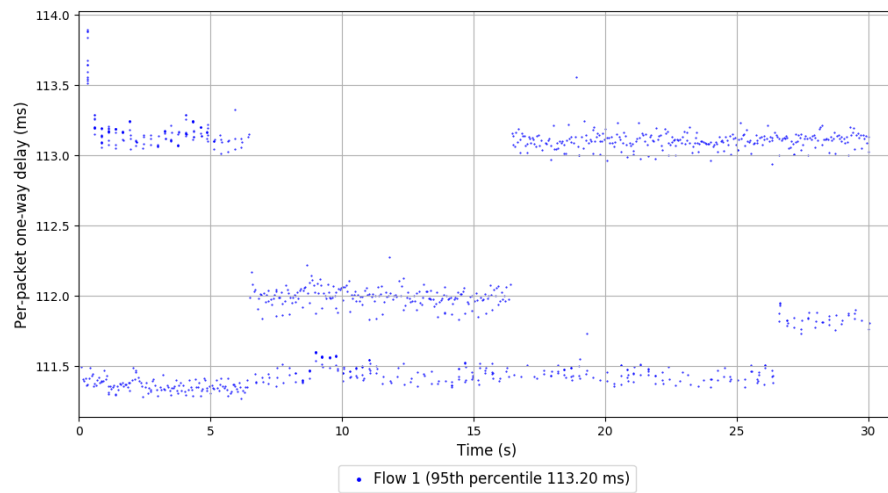
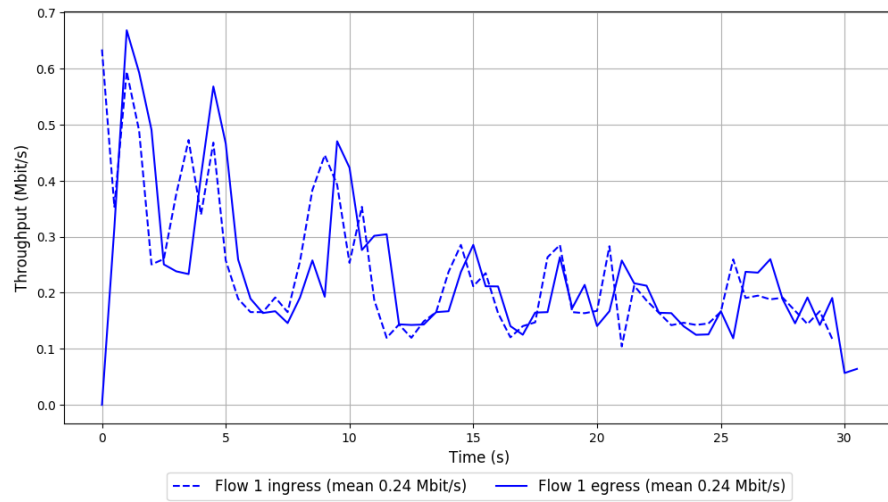


Run 9: Statistics of Sprout

Start at: 2018-07-09 22:10:32
End at: 2018-07-09 22:11:02
Local clock offset: -0.491 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-09 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 113.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 113.198 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

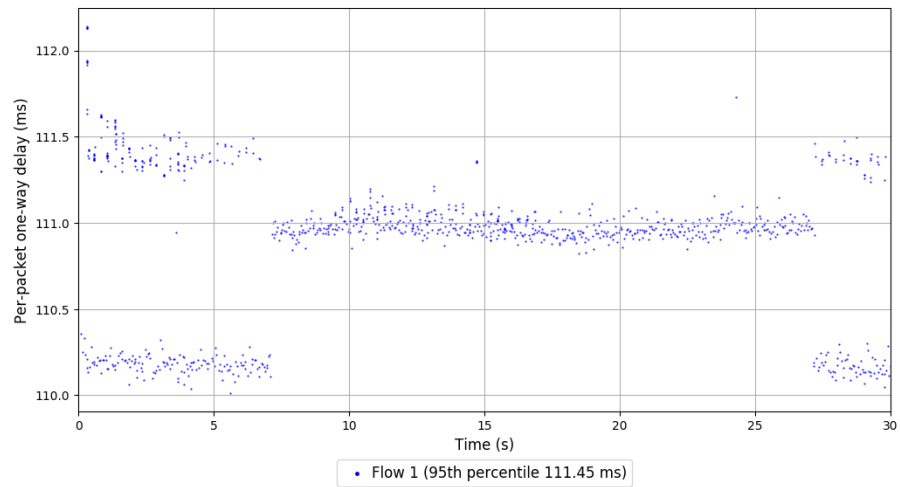
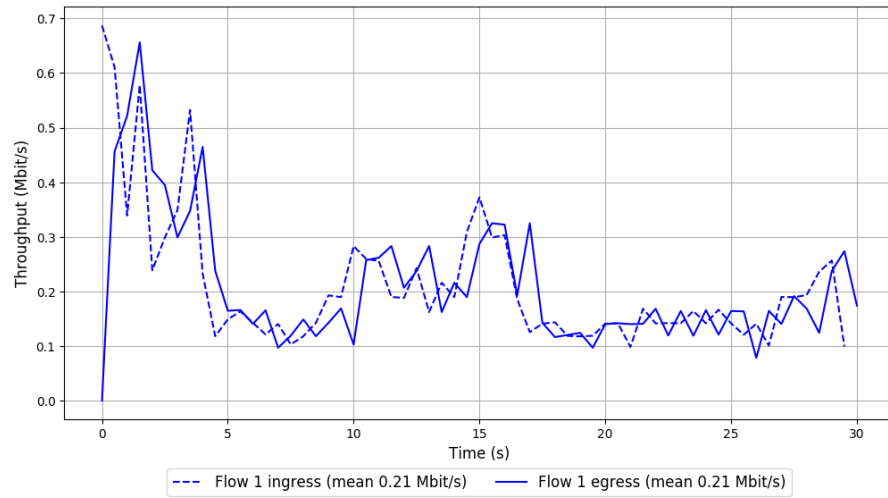


Run 10: Statistics of Sprout

Start at: 2018-07-09 22:32:41
End at: 2018-07-09 22:33:11
Local clock offset: -0.046 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-09 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.453 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

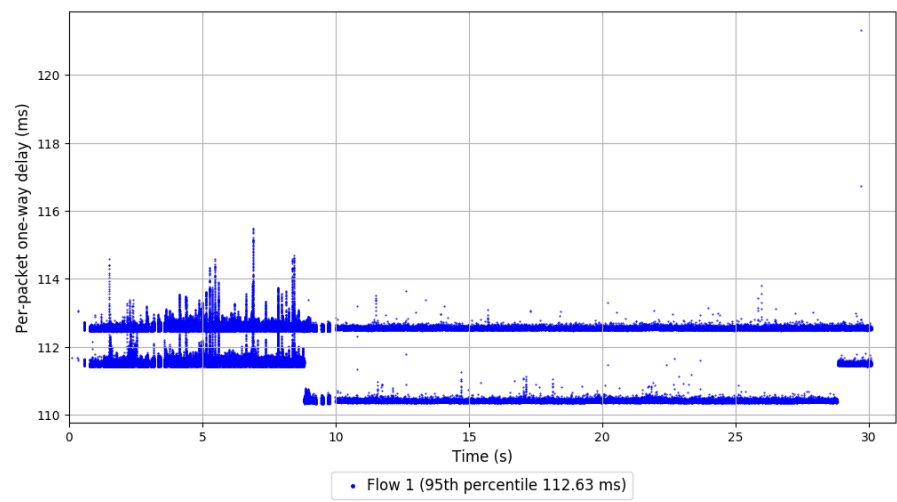
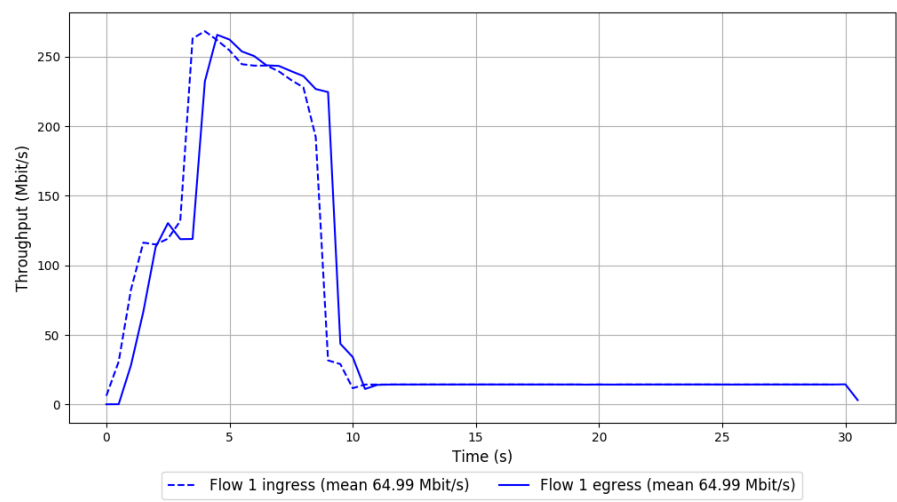


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-09 19:14:39
End at: 2018-07-09 19:15:09
Local clock offset: -1.209 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-09 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 112.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 112.627 ms
Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-09 19:37:05

End at: 2018-07-09 19:37:35

Local clock offset: 0.056 ms

Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-07-09 23:53:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.96 Mbit/s

95th percentile per-packet one-way delay: 111.085 ms

Loss rate: 0.00%

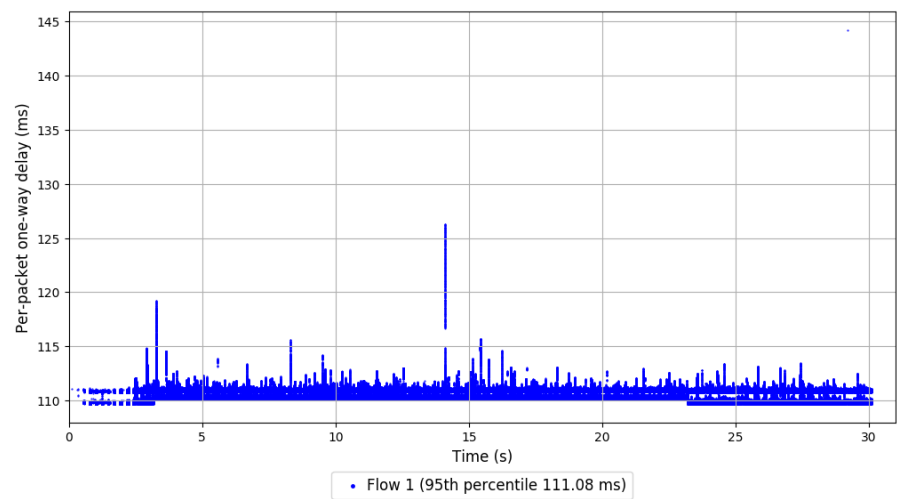
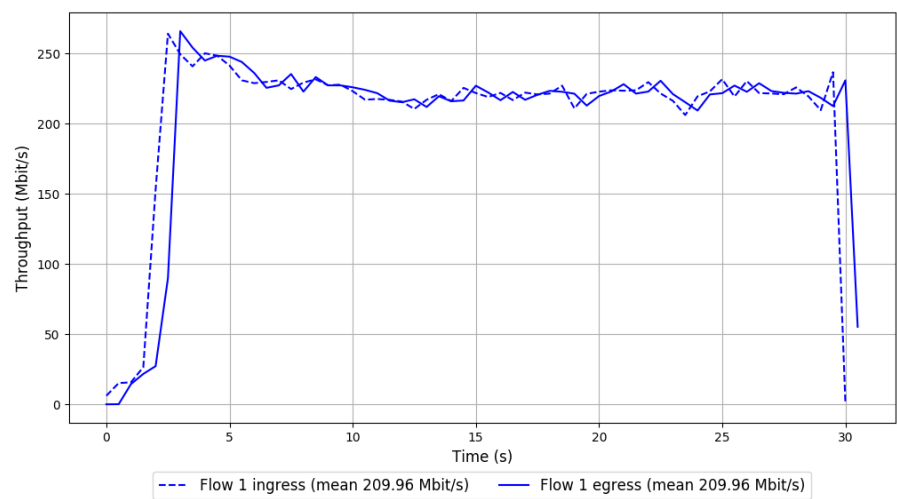
-- Flow 1:

Average throughput: 209.96 Mbit/s

95th percentile per-packet one-way delay: 111.085 ms

Loss rate: 0.00%

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

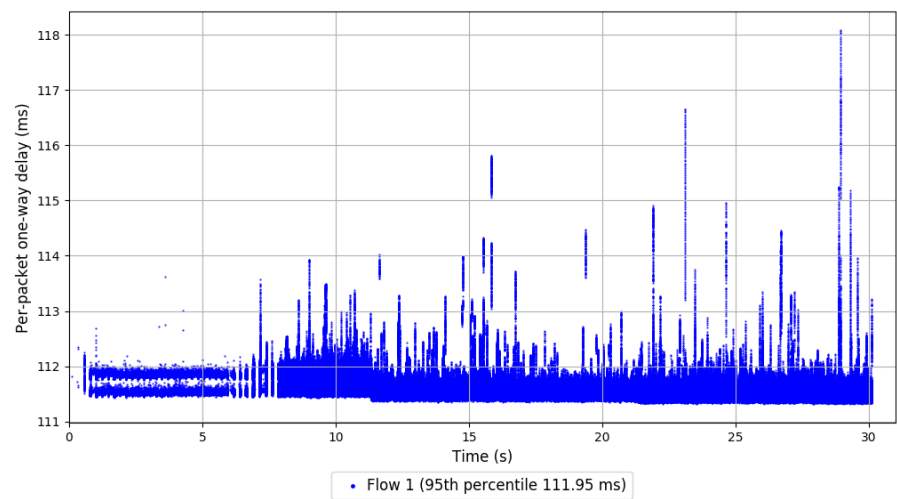
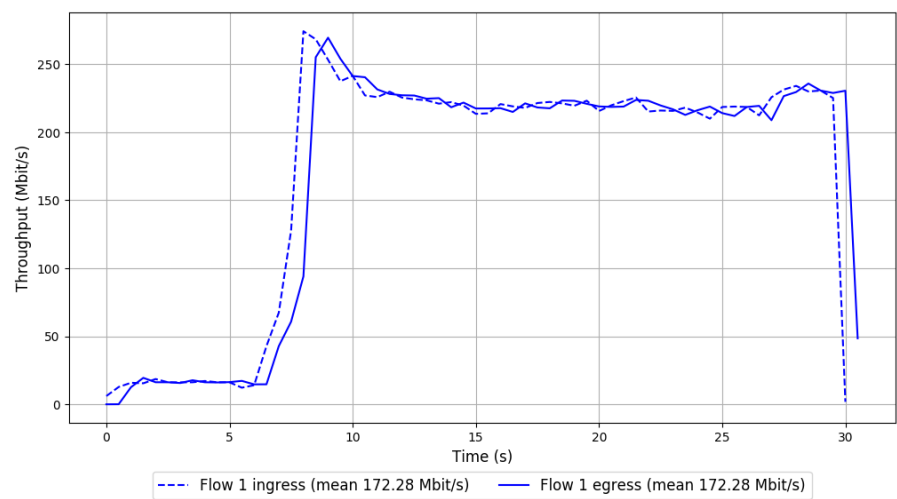


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-09 19:59:37
End at: 2018-07-09 20:00:07
Local clock offset: -0.517 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-09 23:53:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.28 Mbit/s
95th percentile per-packet one-way delay: 111.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.28 Mbit/s
95th percentile per-packet one-way delay: 111.948 ms
Loss rate: 0.00%

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

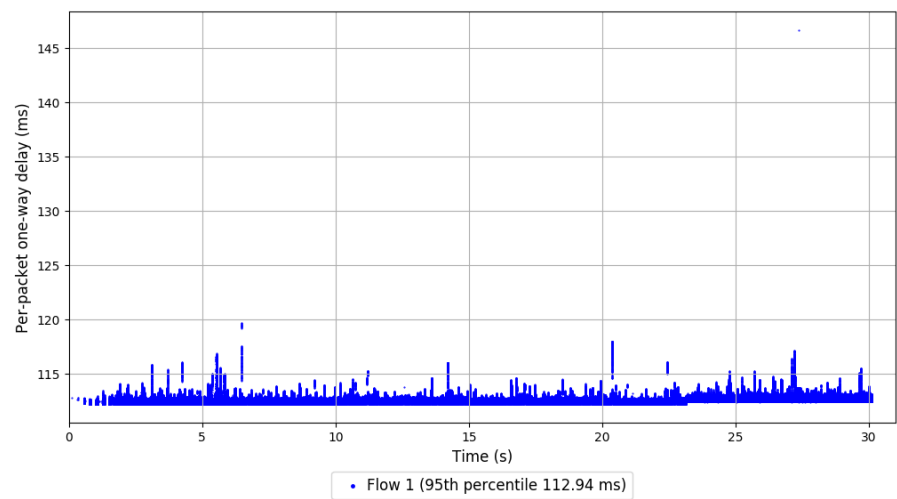
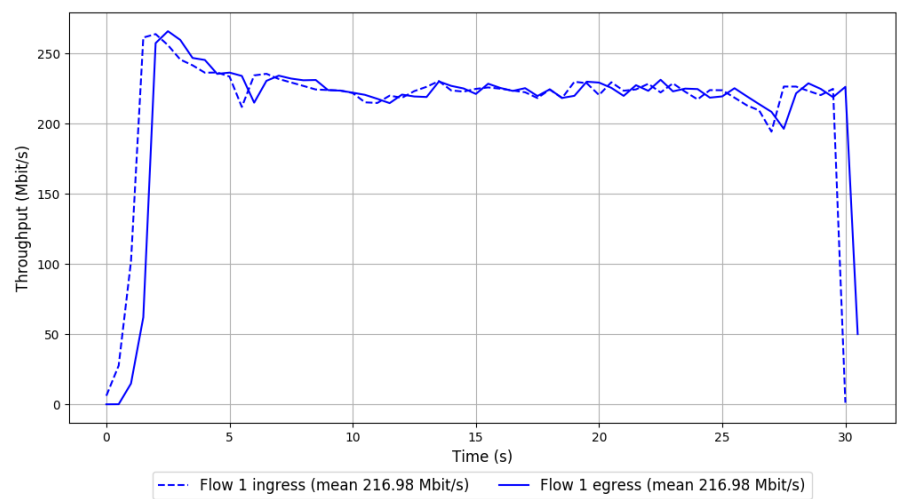


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-09 20:22:05
End at: 2018-07-09 20:22:35
Local clock offset: -1.603 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-09 23:54:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.98 Mbit/s
95th percentile per-packet one-way delay: 112.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.98 Mbit/s
95th percentile per-packet one-way delay: 112.941 ms
Loss rate: 0.00%

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

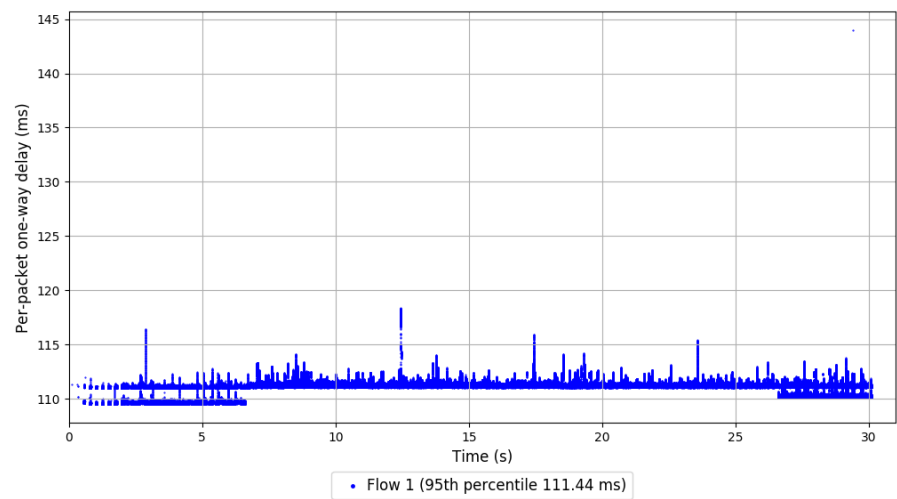
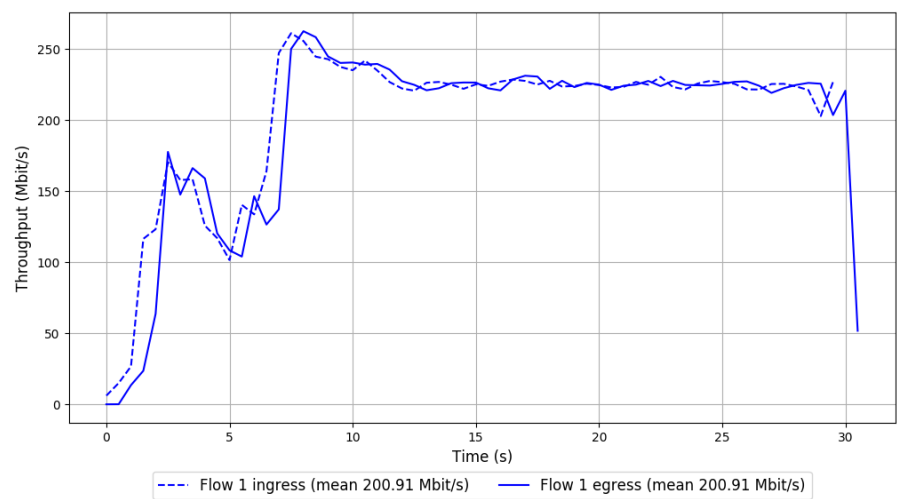


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-09 20:44:32
End at: 2018-07-09 20:45:02
Local clock offset: -0.124 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-07-09 23:54:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.91 Mbit/s
95th percentile per-packet one-way delay: 111.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.91 Mbit/s
95th percentile per-packet one-way delay: 111.435 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-09 21:07:22

End at: 2018-07-09 21:07:52

Local clock offset: -0.236 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-09 23:54:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.43 Mbit/s

95th percentile per-packet one-way delay: 111.255 ms

Loss rate: 0.00%

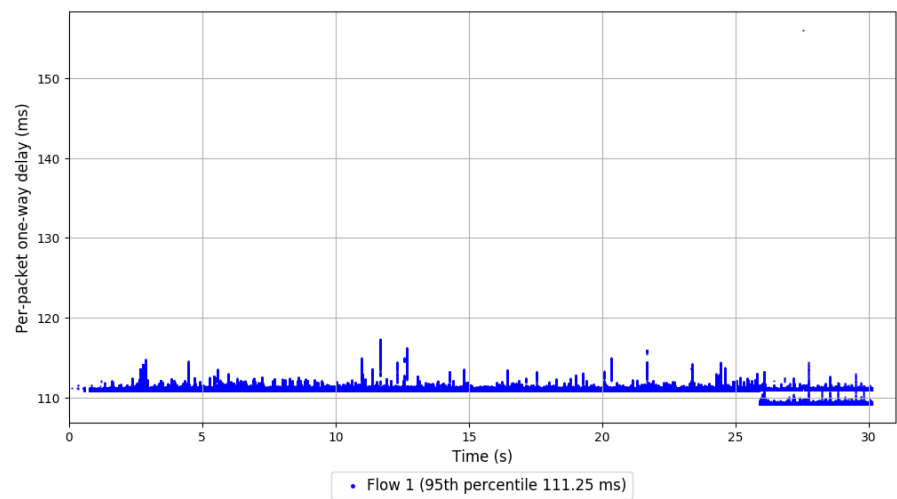
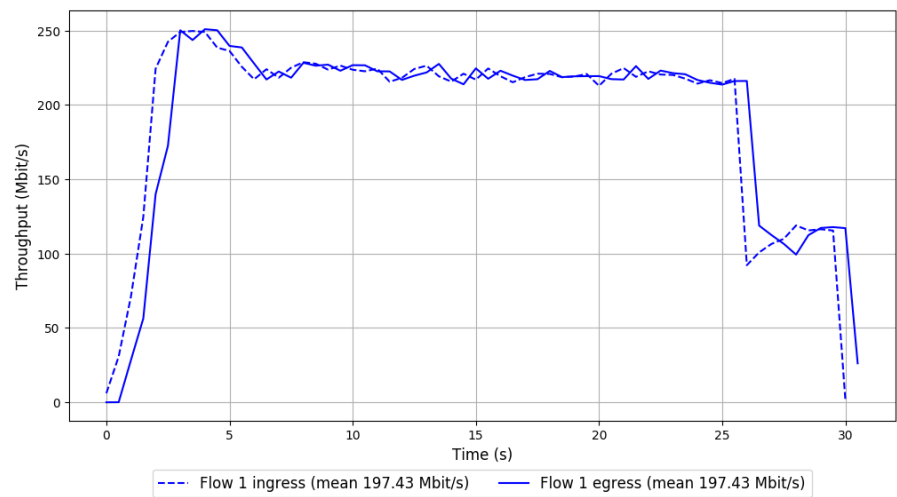
-- Flow 1:

Average throughput: 197.43 Mbit/s

95th percentile per-packet one-way delay: 111.255 ms

Loss rate: 0.00%

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

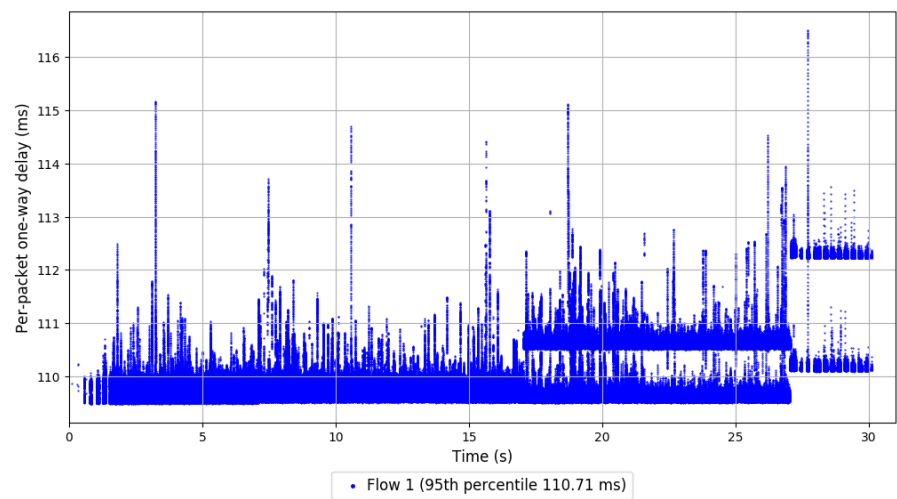
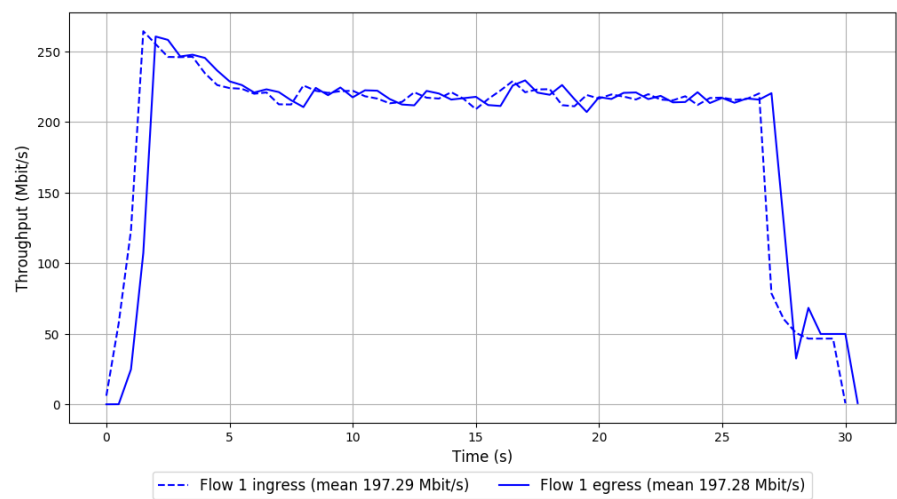


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-09 21:30:01
End at: 2018-07-09 21:30:31
Local clock offset: 0.151 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-09 23:55:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.28 Mbit/s
95th percentile per-packet one-way delay: 110.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.28 Mbit/s
95th percentile per-packet one-way delay: 110.706 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-09 21:52:18

End at: 2018-07-09 21:52:48

Local clock offset: 0.027 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-09 23:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.87 Mbit/s

95th percentile per-packet one-way delay: 111.610 ms

Loss rate: 0.00%

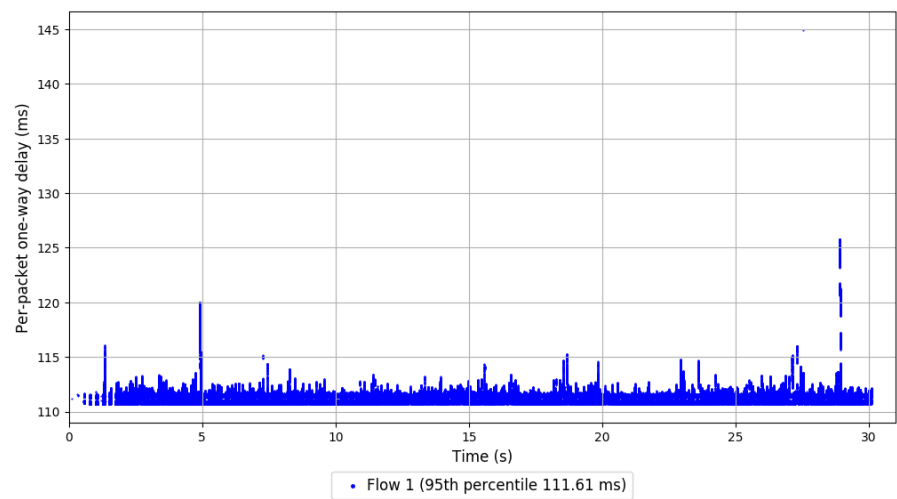
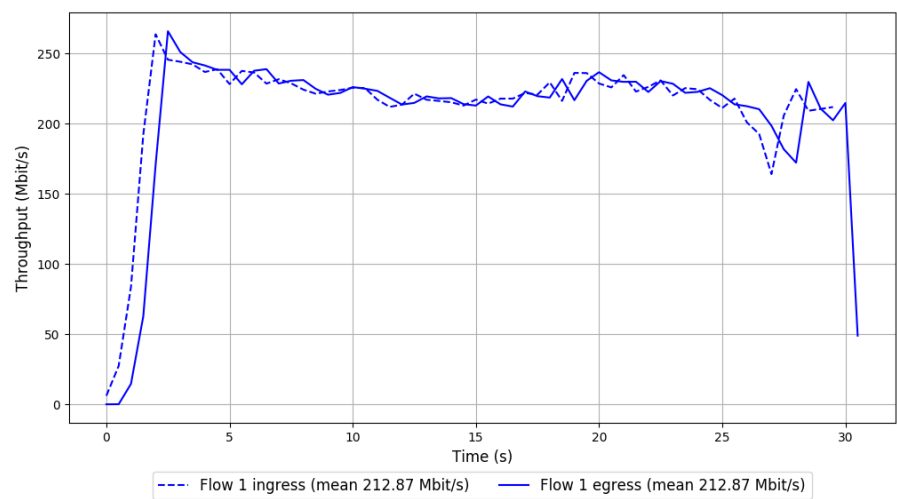
-- Flow 1:

Average throughput: 212.87 Mbit/s

95th percentile per-packet one-way delay: 111.610 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-09 22:14:14

End at: 2018-07-09 22:14:44

Local clock offset: -1.227 ms

Remote clock offset: -0.496 ms

Below is generated by plot.py at 2018-07-09 23:57:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.35 Mbit/s

95th percentile per-packet one-way delay: 112.187 ms

Loss rate: 0.01%

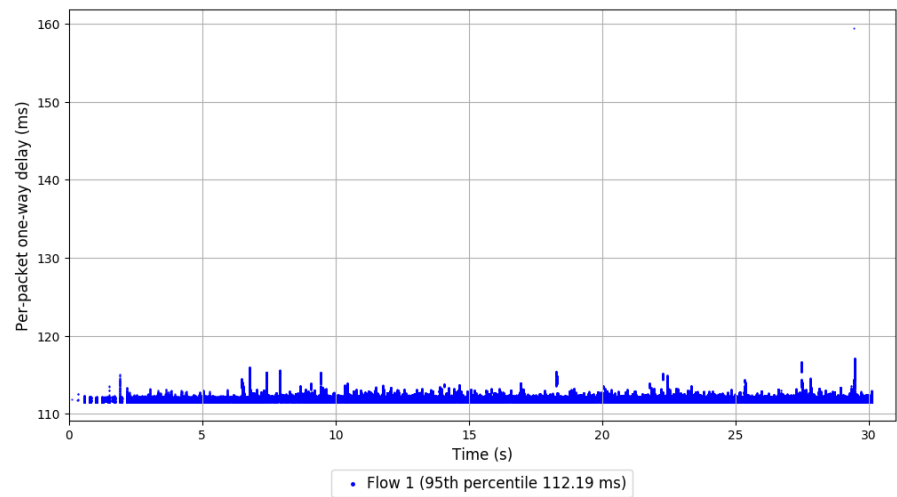
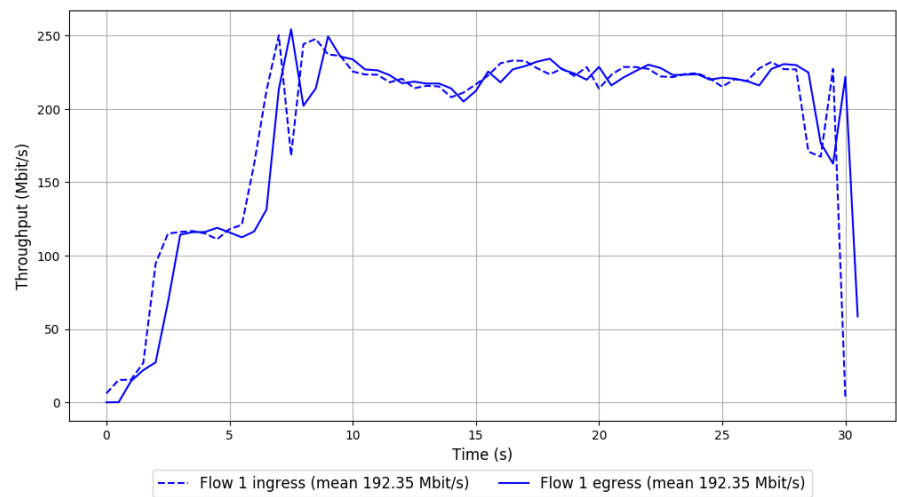
-- Flow 1:

Average throughput: 192.35 Mbit/s

95th percentile per-packet one-way delay: 112.187 ms

Loss rate: 0.01%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-09 22:36:25

End at: 2018-07-09 22:36:55

Local clock offset: -0.17 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-09 23:58:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.52 Mbit/s

95th percentile per-packet one-way delay: 112.586 ms

Loss rate: 0.00%

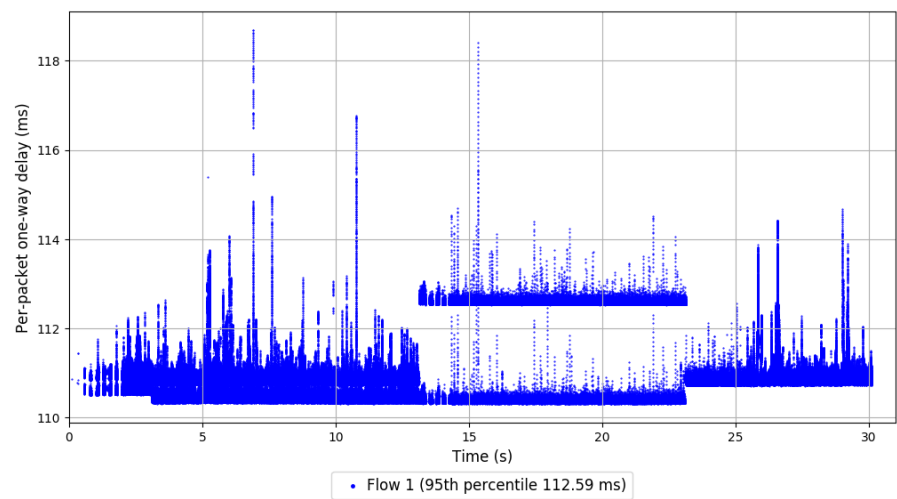
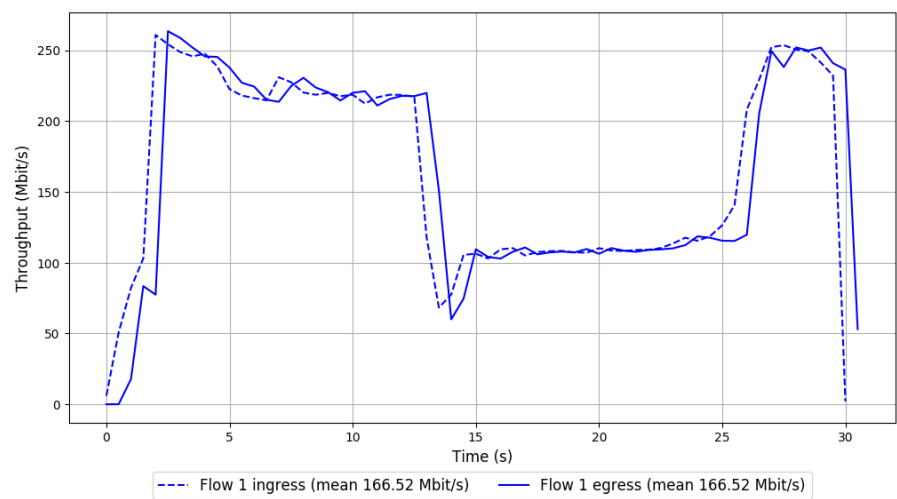
-- Flow 1:

Average throughput: 166.52 Mbit/s

95th percentile per-packet one-way delay: 112.586 ms

Loss rate: 0.00%

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

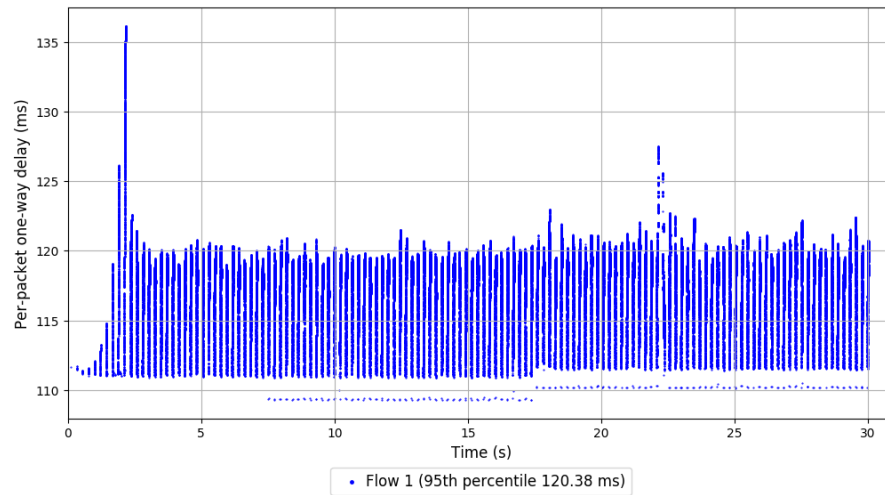
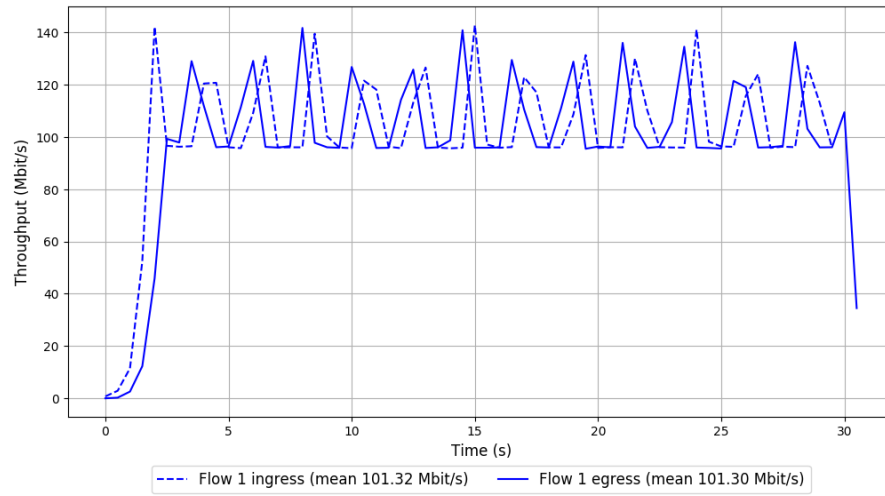


Run 1: Statistics of TCP Vegas

Start at: 2018-07-09 19:17:01
End at: 2018-07-09 19:17:31
Local clock offset: -0.104 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-09 23:58:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.30 Mbit/s
95th percentile per-packet one-way delay: 120.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.30 Mbit/s
95th percentile per-packet one-way delay: 120.377 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-09 19:39:40

End at: 2018-07-09 19:40:10

Local clock offset: -0.455 ms

Remote clock offset: -0.54 ms

Below is generated by plot.py at 2018-07-09 23:58:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.95 Mbit/s

95th percentile per-packet one-way delay: 112.017 ms

Loss rate: 0.00%

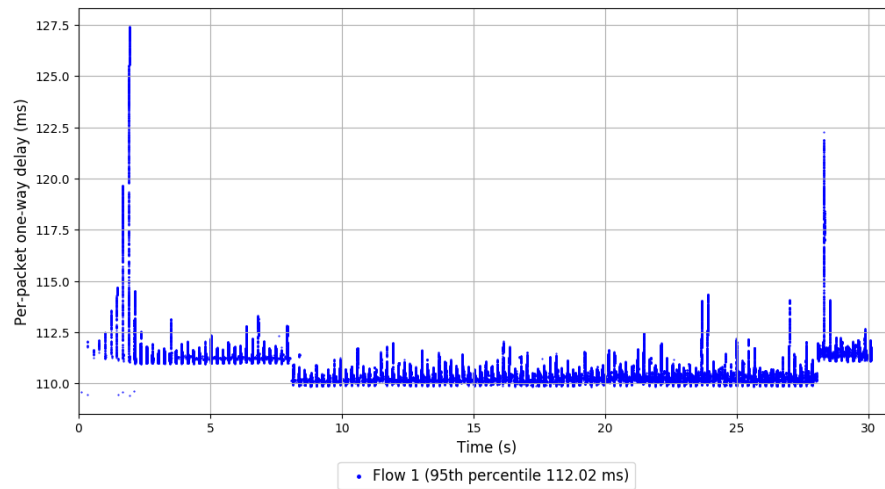
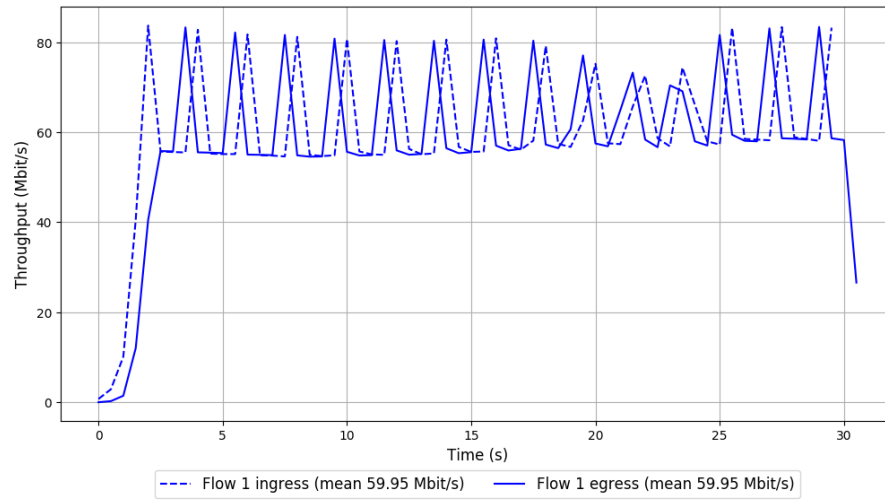
-- Flow 1:

Average throughput: 59.95 Mbit/s

95th percentile per-packet one-way delay: 112.017 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

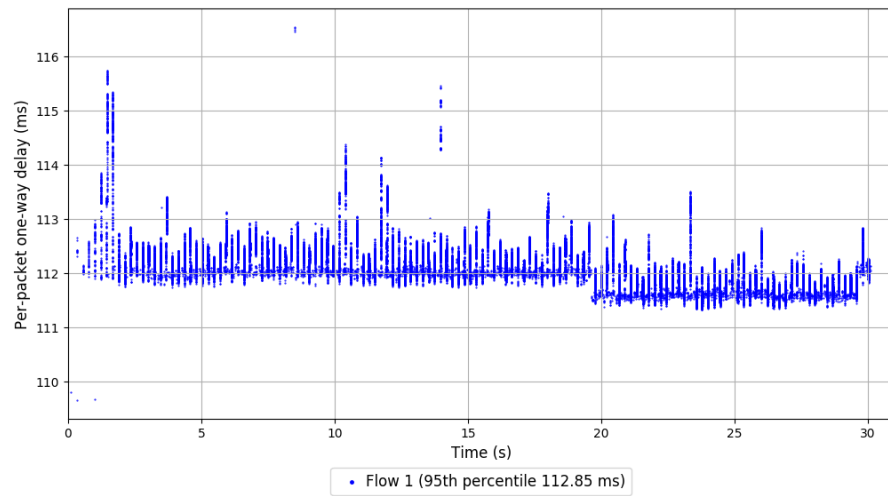
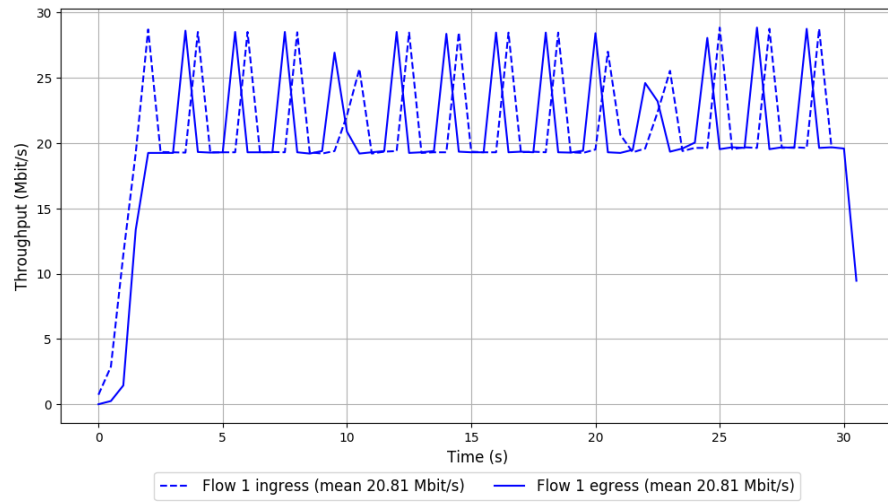


Run 3: Statistics of TCP Vegas

Start at: 2018-07-09 20:02:09
End at: 2018-07-09 20:02:39
Local clock offset: -0.475 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-09 23:58:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 112.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 112.850 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-09 20:24:41

End at: 2018-07-09 20:25:11

Local clock offset: -0.109 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2018-07-09 23:58:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.16 Mbit/s

95th percentile per-packet one-way delay: 123.716 ms

Loss rate: 0.00%

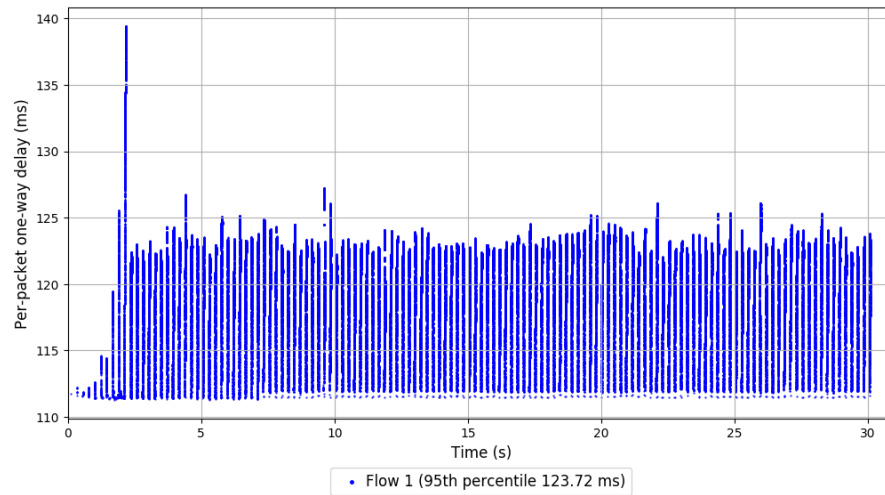
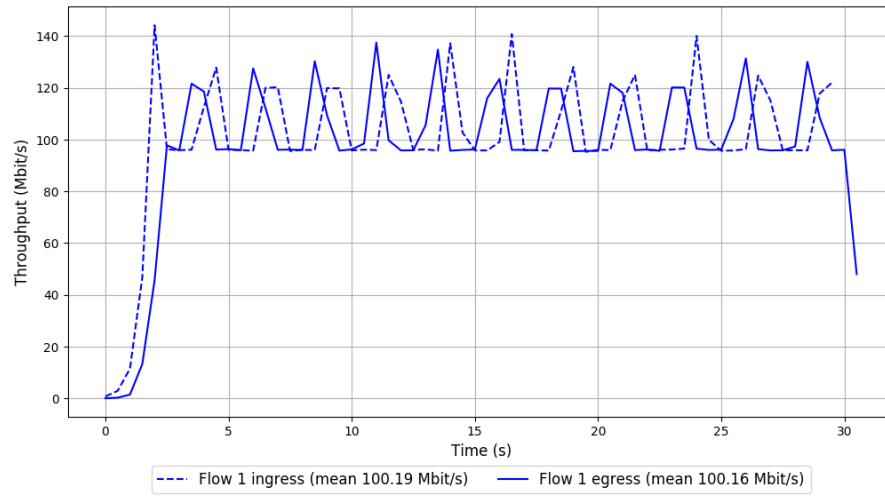
-- Flow 1:

Average throughput: 100.16 Mbit/s

95th percentile per-packet one-way delay: 123.716 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-09 20:47:06

End at: 2018-07-09 20:47:36

Local clock offset: -0.426 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-09 23:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.36 Mbit/s

95th percentile per-packet one-way delay: 120.846 ms

Loss rate: 0.00%

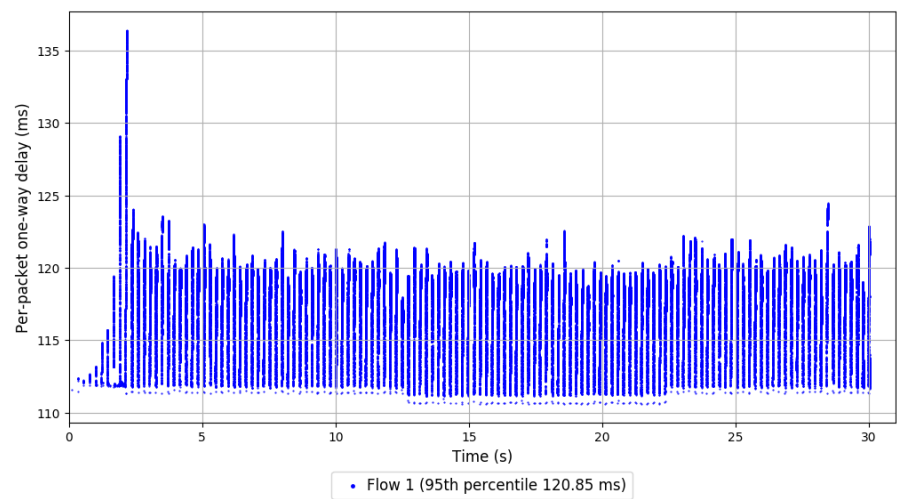
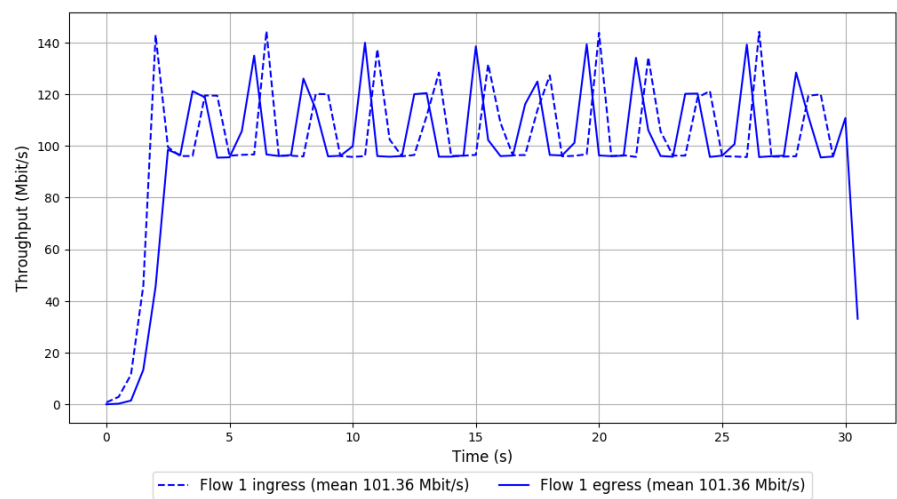
-- Flow 1:

Average throughput: 101.36 Mbit/s

95th percentile per-packet one-way delay: 120.846 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

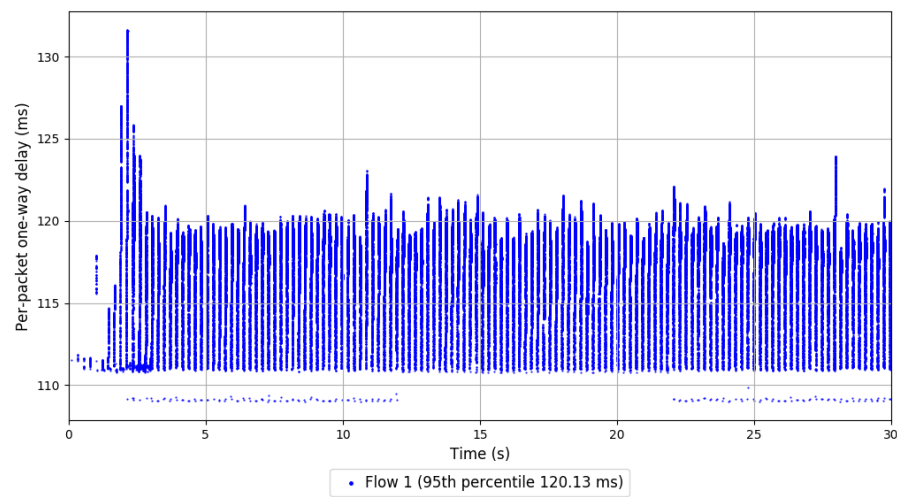
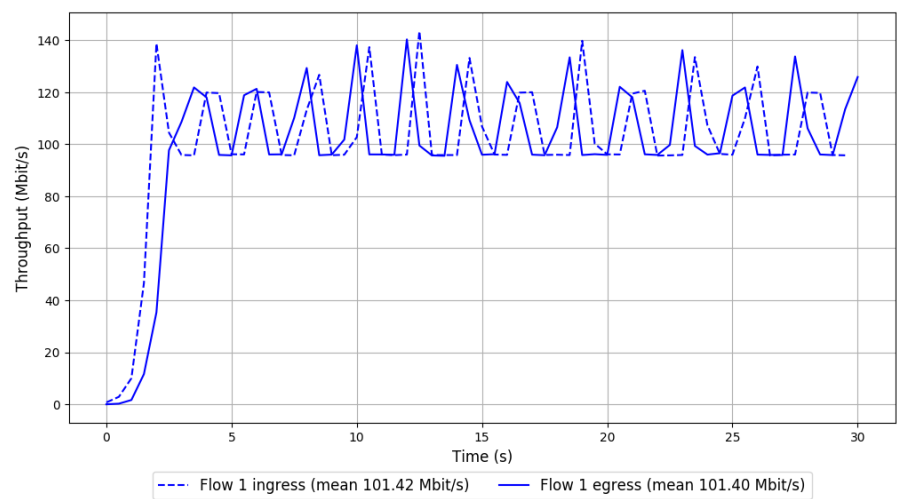


Run 6: Statistics of TCP Vegas

Start at: 2018-07-09 21:09:56
End at: 2018-07-09 21:10:26
Local clock offset: -0.062 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-09 23:58:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.40 Mbit/s
95th percentile per-packet one-way delay: 120.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.40 Mbit/s
95th percentile per-packet one-way delay: 120.127 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

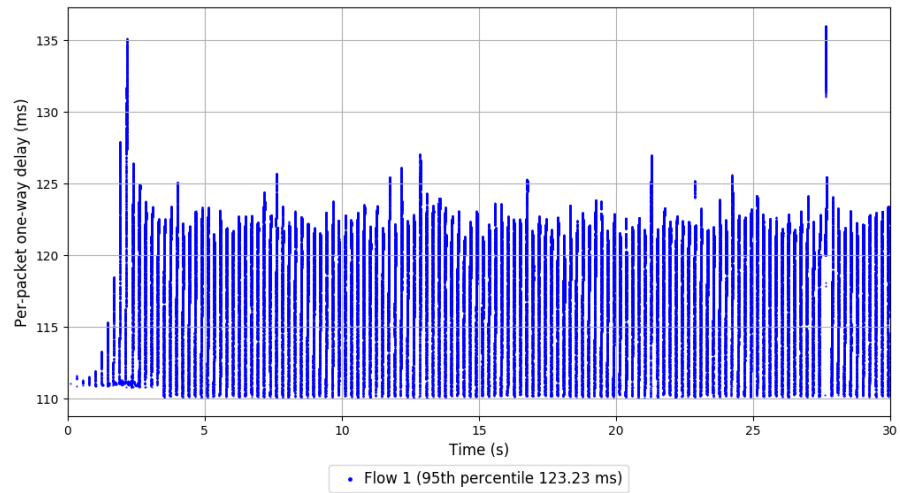
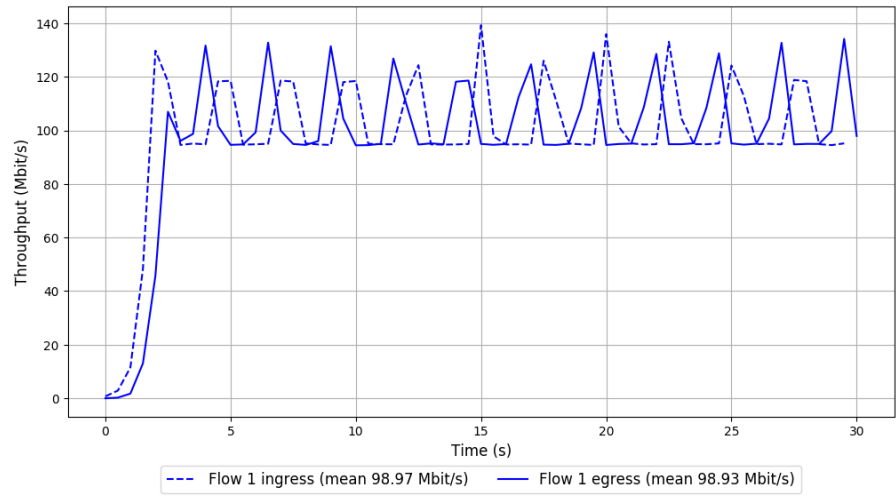


Run 7: Statistics of TCP Vegas

Start at: 2018-07-09 21:32:35
End at: 2018-07-09 21:33:05
Local clock offset: 0.003 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-09 23:58:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.93 Mbit/s
95th percentile per-packet one-way delay: 123.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.93 Mbit/s
95th percentile per-packet one-way delay: 123.230 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

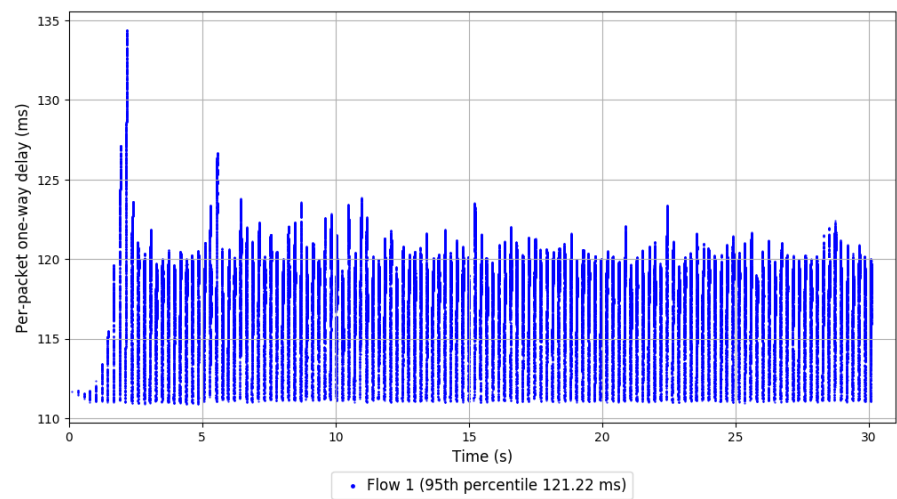
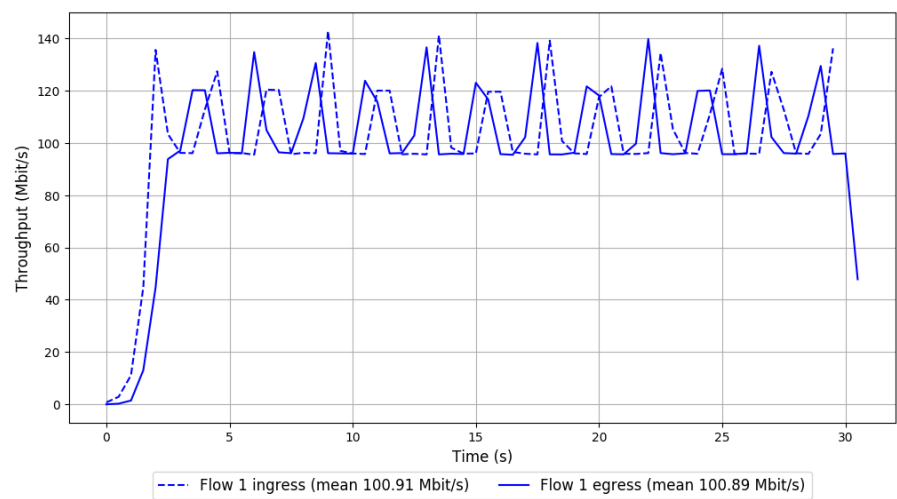


Run 8: Statistics of TCP Vegas

Start at: 2018-07-09 21:54:53
End at: 2018-07-09 21:55:23
Local clock offset: -0.15 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-09 23:58:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.89 Mbit/s
95th percentile per-packet one-way delay: 121.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.89 Mbit/s
95th percentile per-packet one-way delay: 121.224 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

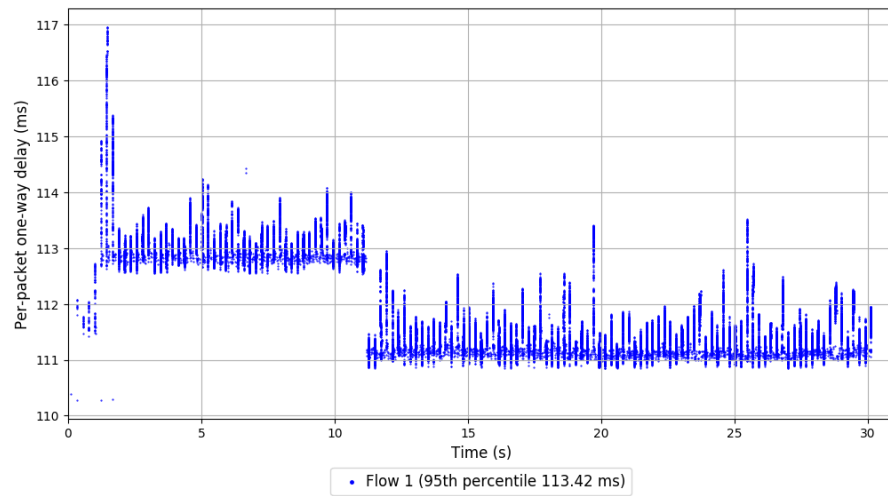
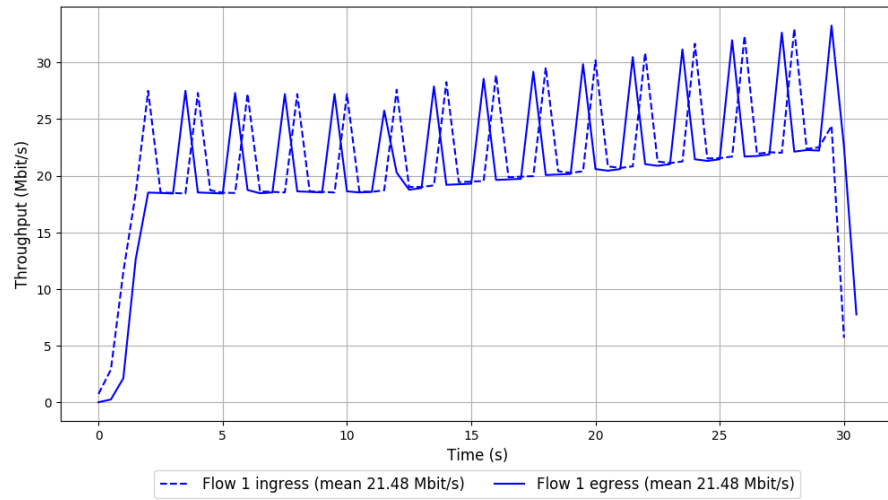


Run 9: Statistics of TCP Vegas

Start at: 2018-07-09 22:16:47
End at: 2018-07-09 22:17:17
Local clock offset: -0.112 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-09 23:58:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 113.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 113.421 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-09 22:38:56

End at: 2018-07-09 22:39:26

Local clock offset: -0.27 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-09 23:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.91 Mbit/s

95th percentile per-packet one-way delay: 122.367 ms

Loss rate: 0.13%

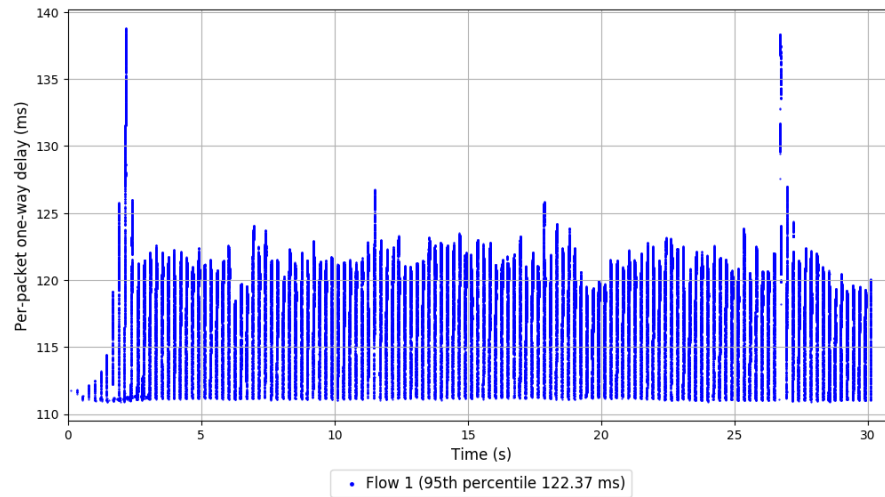
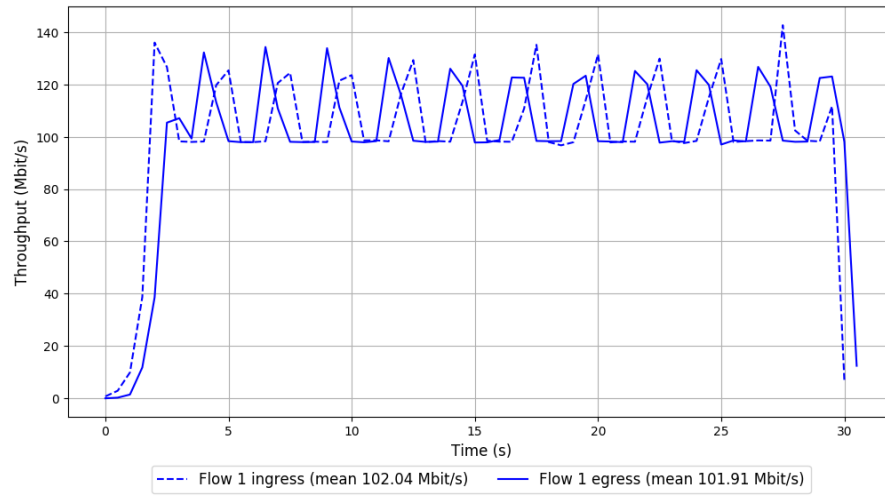
-- Flow 1:

Average throughput: 101.91 Mbit/s

95th percentile per-packet one-way delay: 122.367 ms

Loss rate: 0.13%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-09 19:05:16

End at: 2018-07-09 19:05:46

Local clock offset: -0.087 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-07-09 23:59:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.00 Mbit/s

95th percentile per-packet one-way delay: 222.839 ms

Loss rate: 2.21%

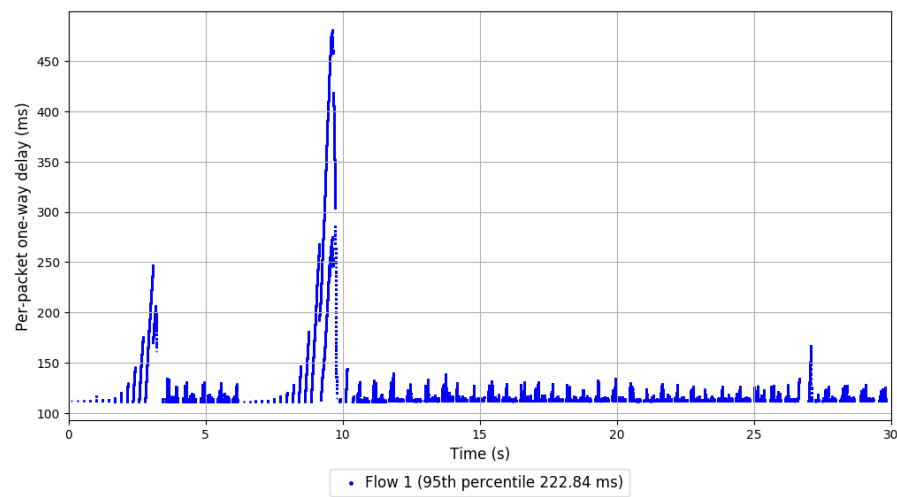
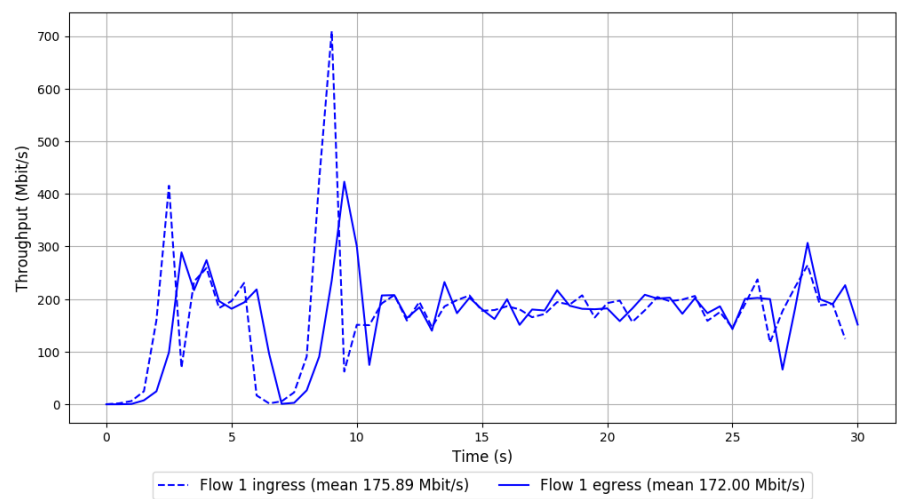
-- Flow 1:

Average throughput: 172.00 Mbit/s

95th percentile per-packet one-way delay: 222.839 ms

Loss rate: 2.21%

Run 1: Report of Verus — Data Link

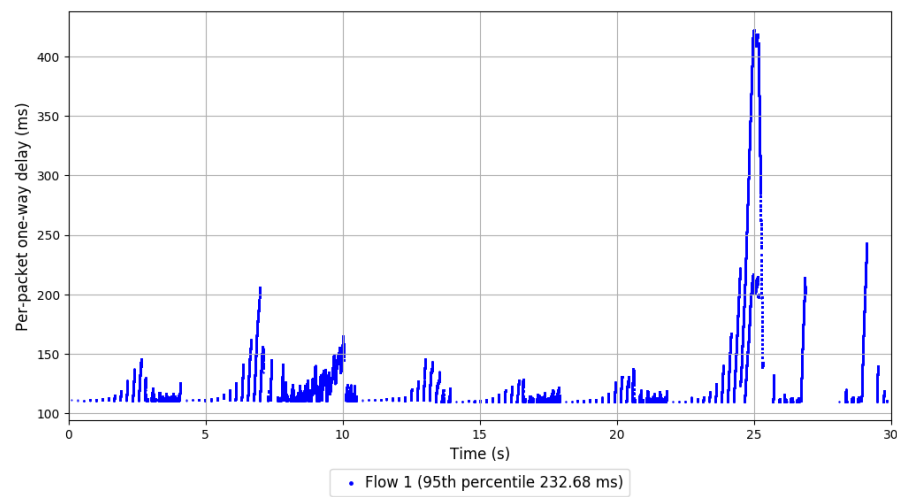
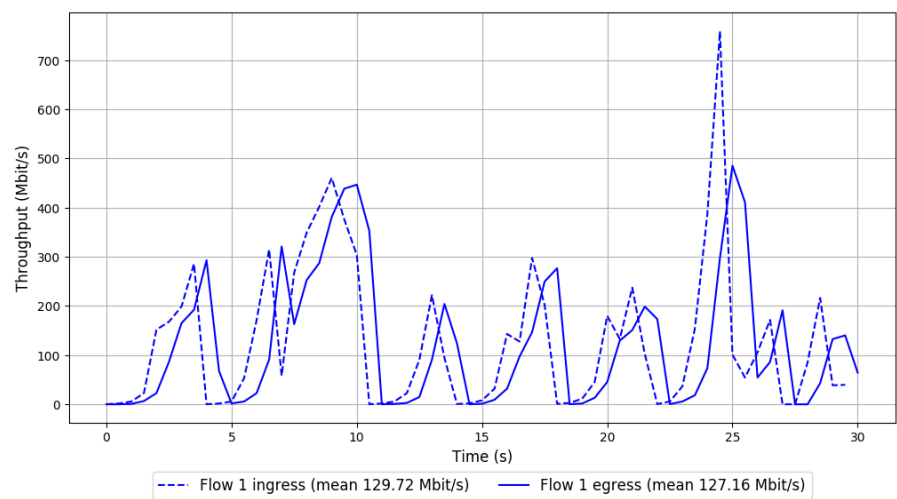


Run 2: Statistics of Verus

Start at: 2018-07-09 19:27:45
End at: 2018-07-09 19:28:15
Local clock offset: 0.136 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-09 23:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.16 Mbit/s
95th percentile per-packet one-way delay: 232.682 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 127.16 Mbit/s
95th percentile per-packet one-way delay: 232.682 ms
Loss rate: 1.98%

Run 2: Report of Verus — Data Link

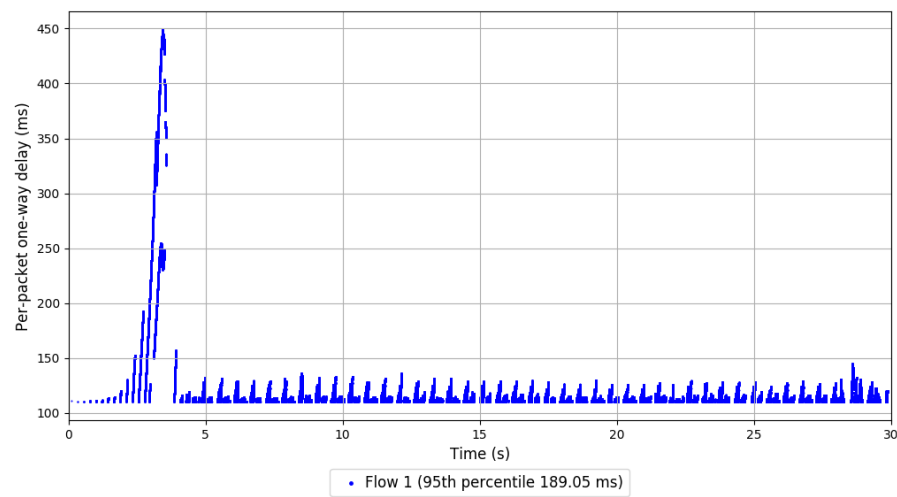
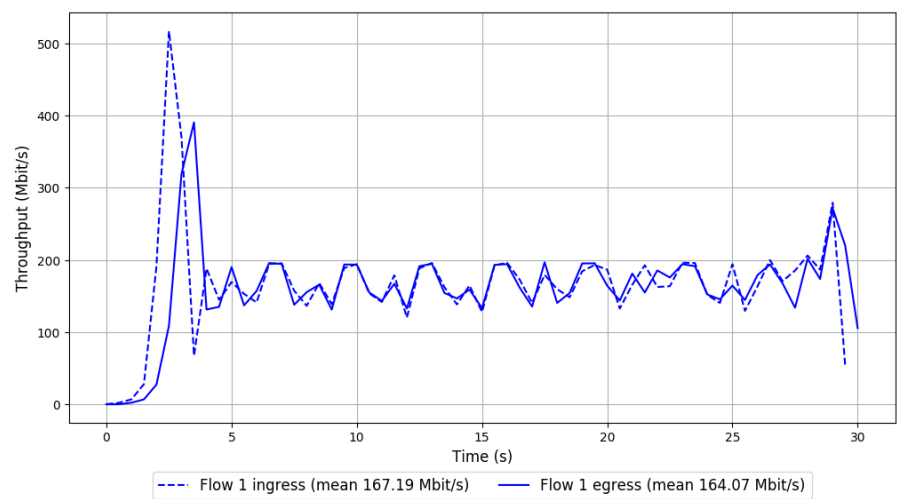


Run 3: Statistics of Verus

Start at: 2018-07-09 19:50:11
End at: 2018-07-09 19:50:41
Local clock offset: -0.221 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-09 23:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.07 Mbit/s
95th percentile per-packet one-way delay: 189.048 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 164.07 Mbit/s
95th percentile per-packet one-way delay: 189.048 ms
Loss rate: 1.86%

Run 3: Report of Verus — Data Link

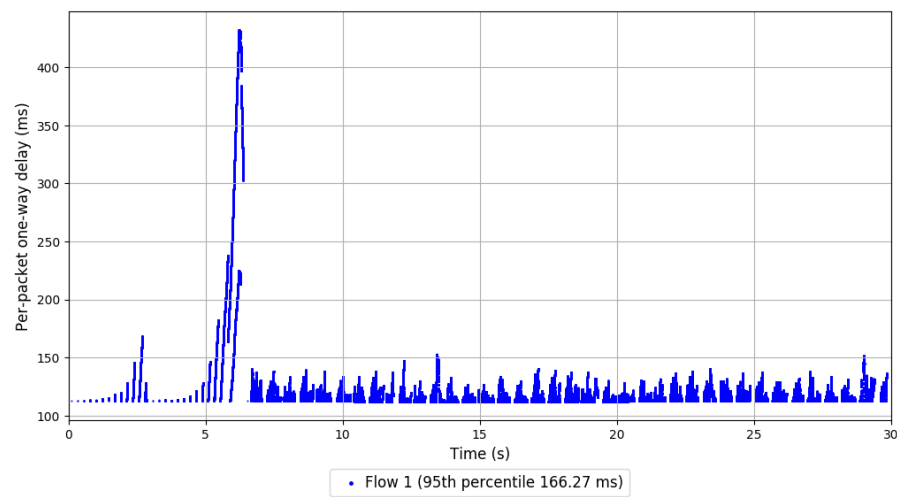
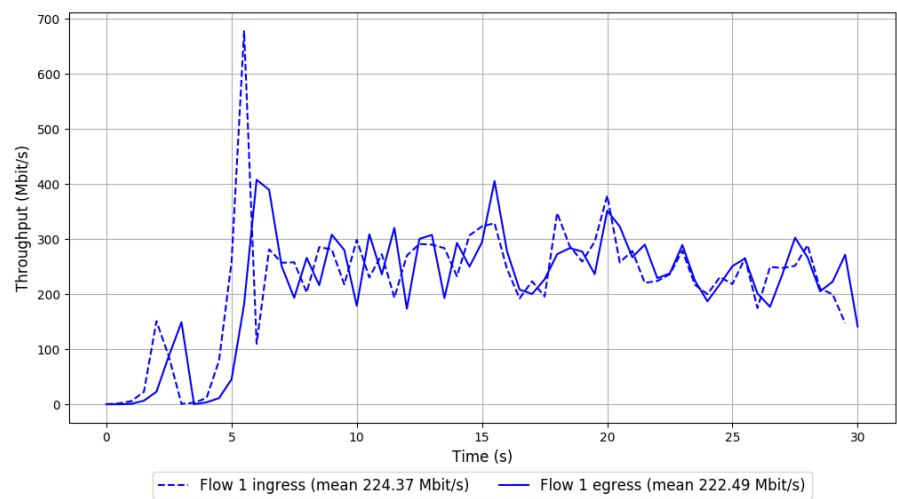


Run 4: Statistics of Verus

Start at: 2018-07-09 20:12:48
End at: 2018-07-09 20:13:18
Local clock offset: -1.333 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-10 00:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.49 Mbit/s
95th percentile per-packet one-way delay: 166.267 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 222.49 Mbit/s
95th percentile per-packet one-way delay: 166.267 ms
Loss rate: 0.83%

Run 4: Report of Verus — Data Link

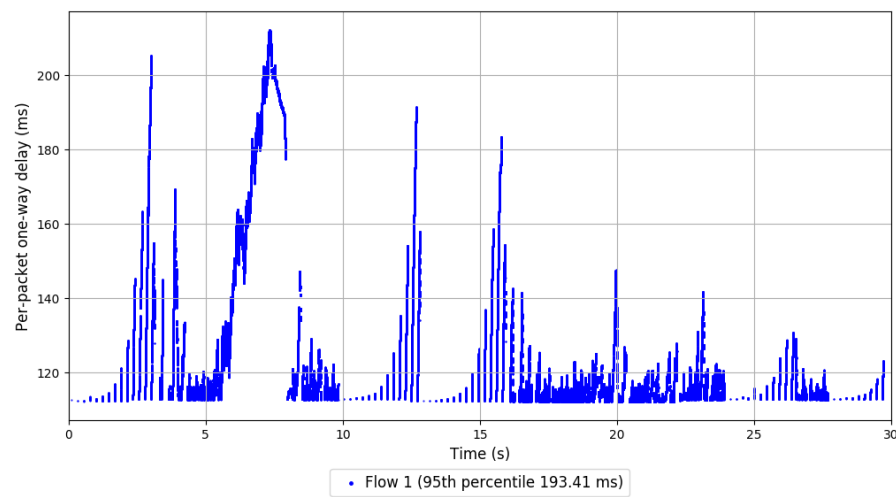
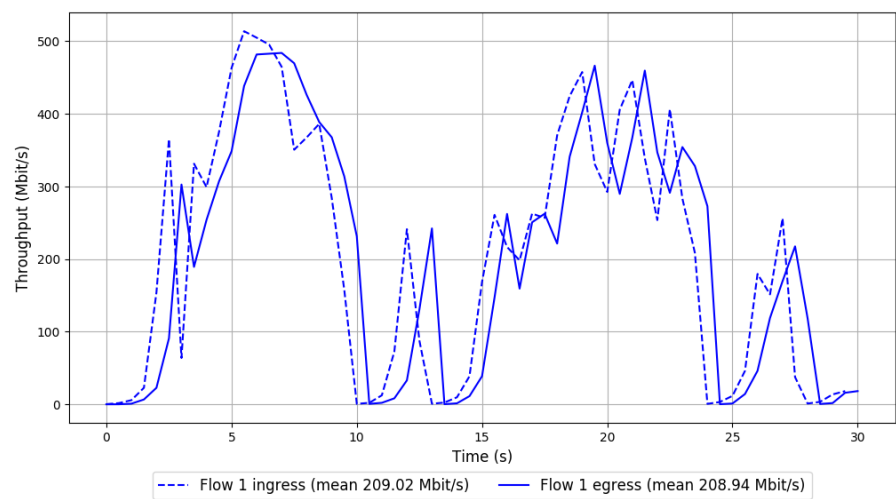


Run 5: Statistics of Verus

Start at: 2018-07-09 20:35:26
End at: 2018-07-09 20:35:56
Local clock offset: -1.537 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-10 00:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.94 Mbit/s
95th percentile per-packet one-way delay: 193.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.94 Mbit/s
95th percentile per-packet one-way delay: 193.412 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-09 20:57:49

End at: 2018-07-09 20:58:19

Local clock offset: -0.085 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-07-10 00:01:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.74 Mbit/s

95th percentile per-packet one-way delay: 241.622 ms

Loss rate: 0.19%

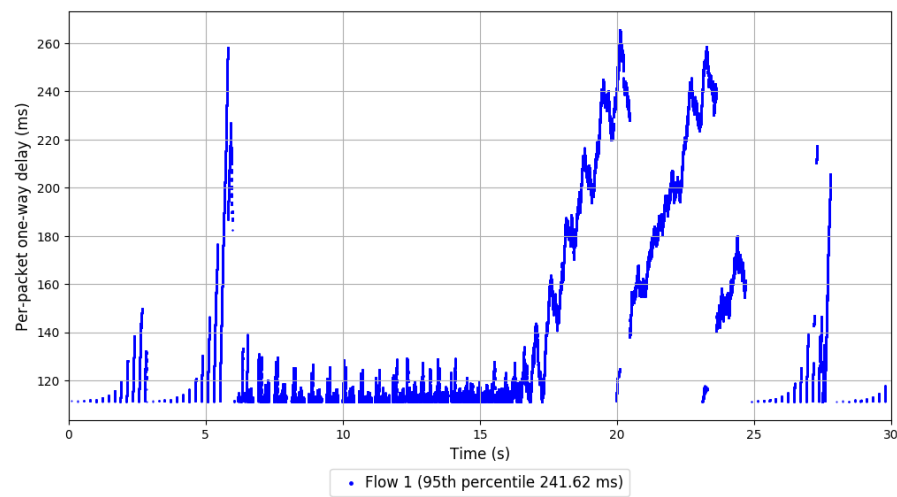
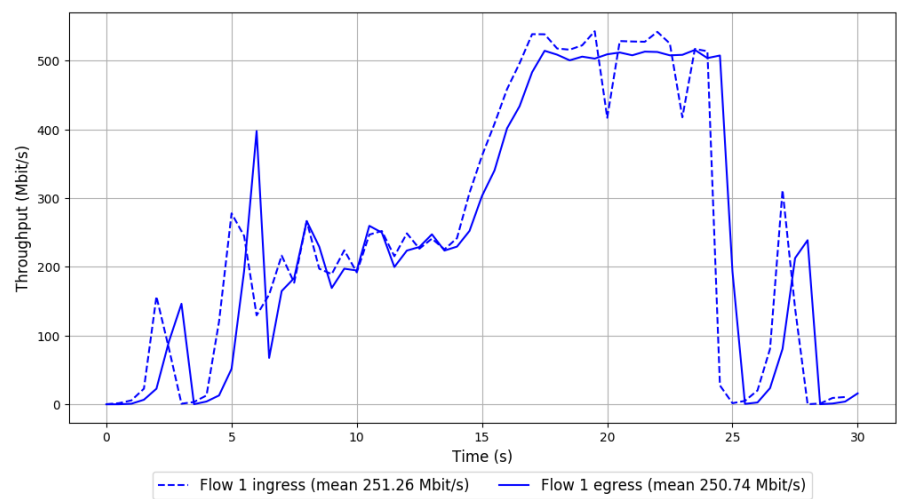
-- Flow 1:

Average throughput: 250.74 Mbit/s

95th percentile per-packet one-way delay: 241.622 ms

Loss rate: 0.19%

Run 6: Report of Verus — Data Link

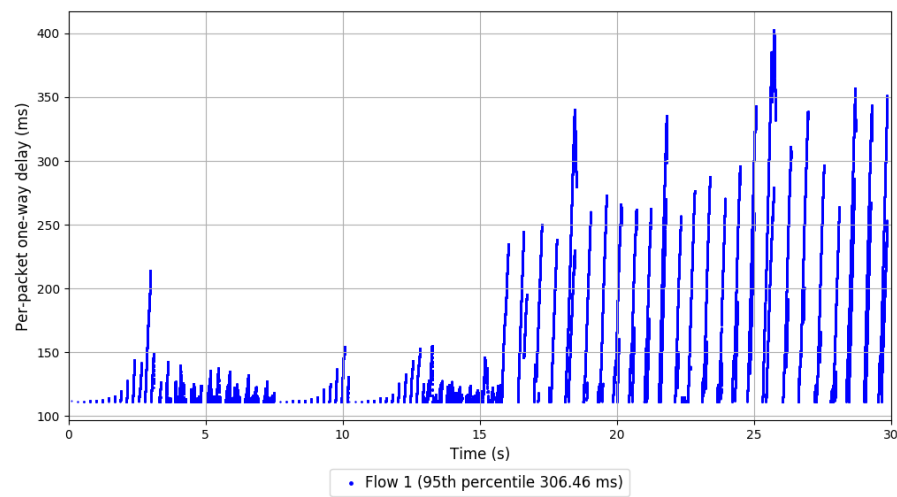
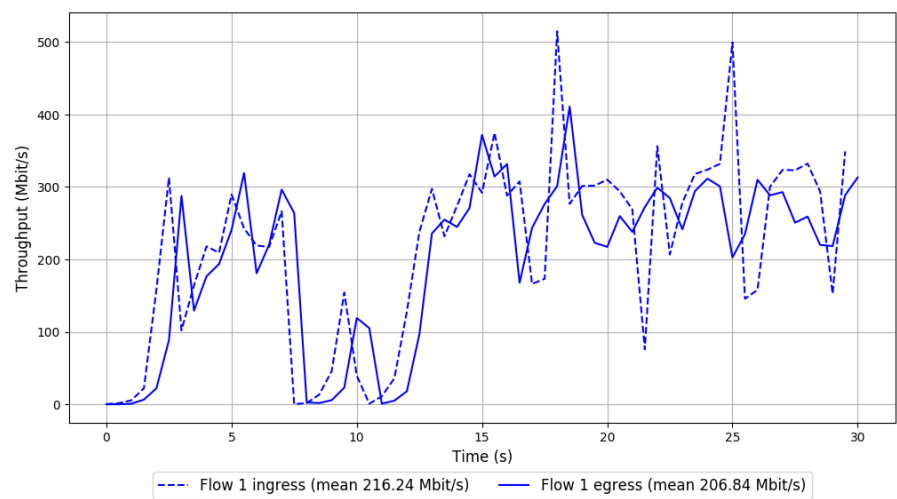


Run 7: Statistics of Verus

Start at: 2018-07-09 21:20:38
End at: 2018-07-09 21:21:08
Local clock offset: -0.101 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-10 00:01:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.84 Mbit/s
95th percentile per-packet one-way delay: 306.461 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 206.84 Mbit/s
95th percentile per-packet one-way delay: 306.461 ms
Loss rate: 4.25%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-09 21:43:10

End at: 2018-07-09 21:43:40

Local clock offset: -0.506 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-07-10 00:01:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.80 Mbit/s

95th percentile per-packet one-way delay: 197.588 ms

Loss rate: 0.01%

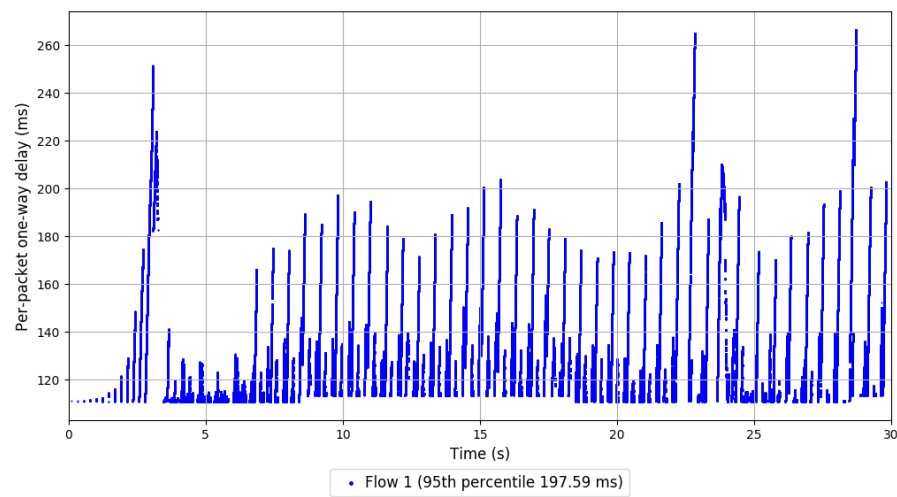
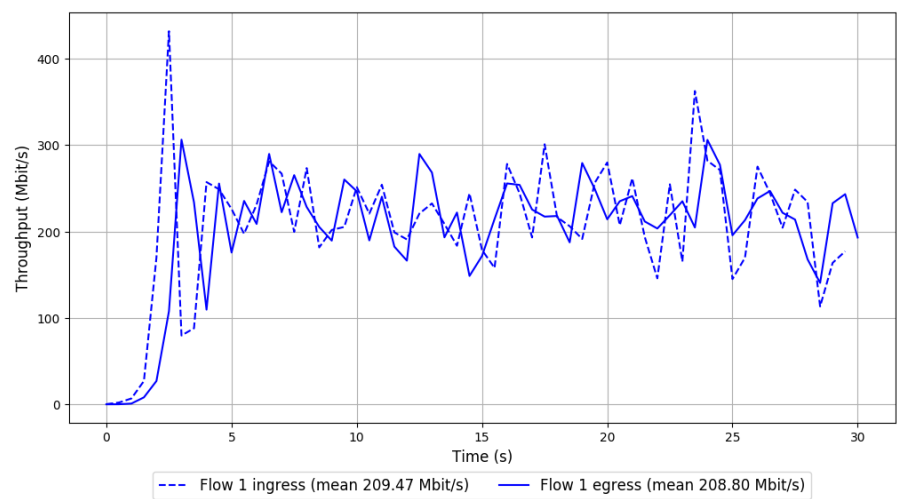
-- Flow 1:

Average throughput: 208.80 Mbit/s

95th percentile per-packet one-way delay: 197.588 ms

Loss rate: 0.01%

Run 8: Report of Verus — Data Link

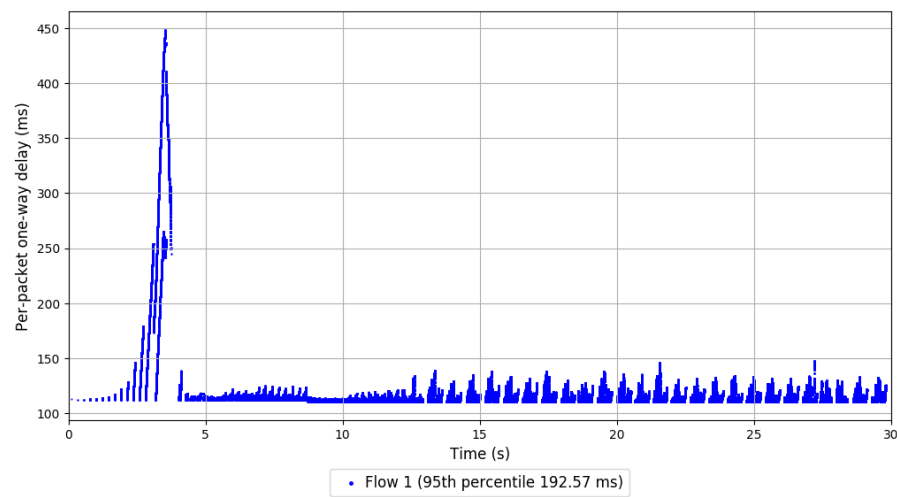
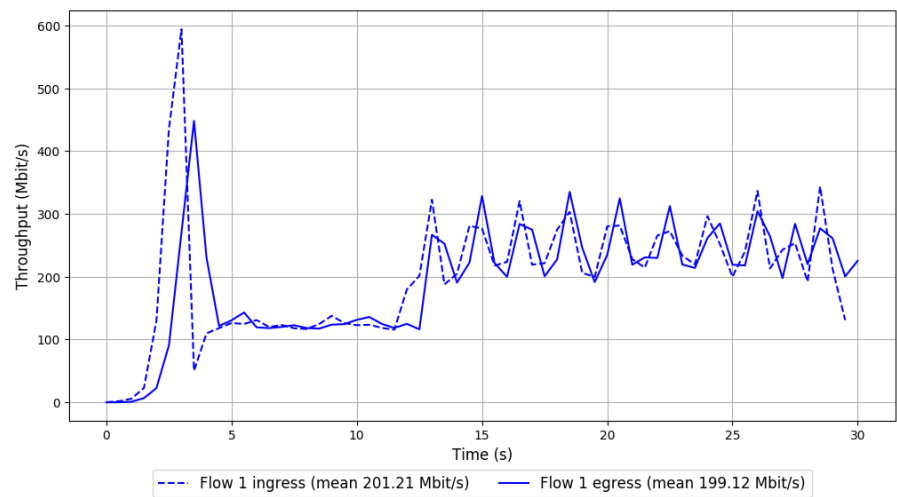


Run 9: Statistics of Verus

Start at: 2018-07-09 22:05:09
End at: 2018-07-09 22:05:39
Local clock offset: -0.004 ms
Remote clock offset: -0.446 ms

Below is generated by plot.py at 2018-07-10 00:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.12 Mbit/s
95th percentile per-packet one-way delay: 192.572 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 199.12 Mbit/s
95th percentile per-packet one-way delay: 192.572 ms
Loss rate: 1.01%

Run 9: Report of Verus — Data Link

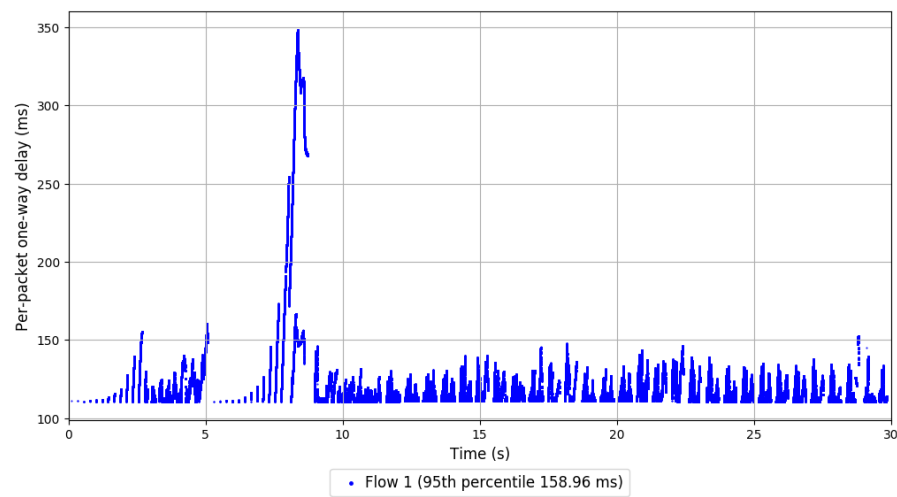
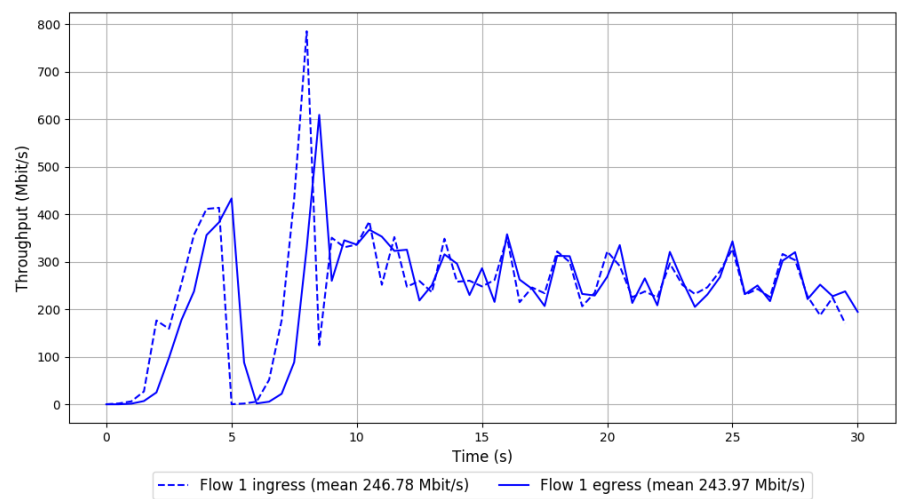


Run 10: Statistics of Verus

Start at: 2018-07-09 22:27:16
End at: 2018-07-09 22:27:46
Local clock offset: -0.271 ms
Remote clock offset: -0.476 ms

Below is generated by plot.py at 2018-07-10 00:02:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.97 Mbit/s
95th percentile per-packet one-way delay: 158.956 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 243.97 Mbit/s
95th percentile per-packet one-way delay: 158.956 ms
Loss rate: 1.14%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-09 19:18:14

End at: 2018-07-09 19:18:44

Local clock offset: -0.256 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-10 00:05:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.31 Mbit/s

95th percentile per-packet one-way delay: 121.059 ms

Loss rate: 0.33%

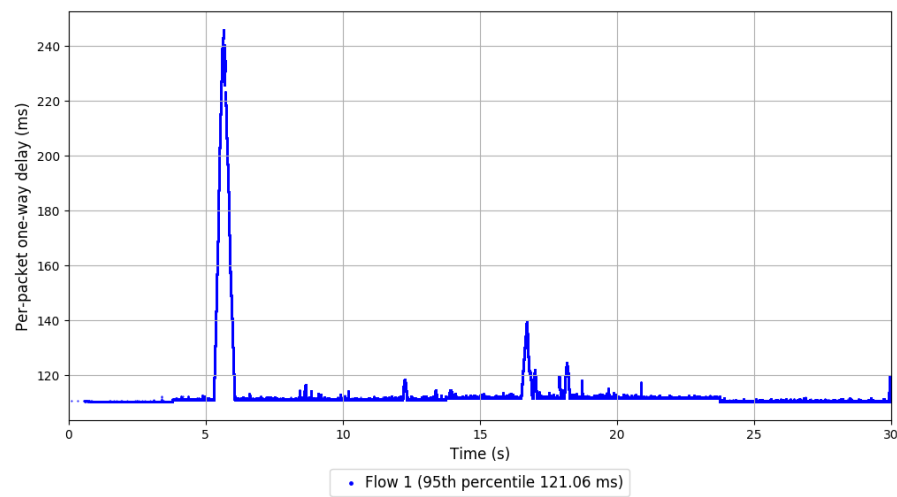
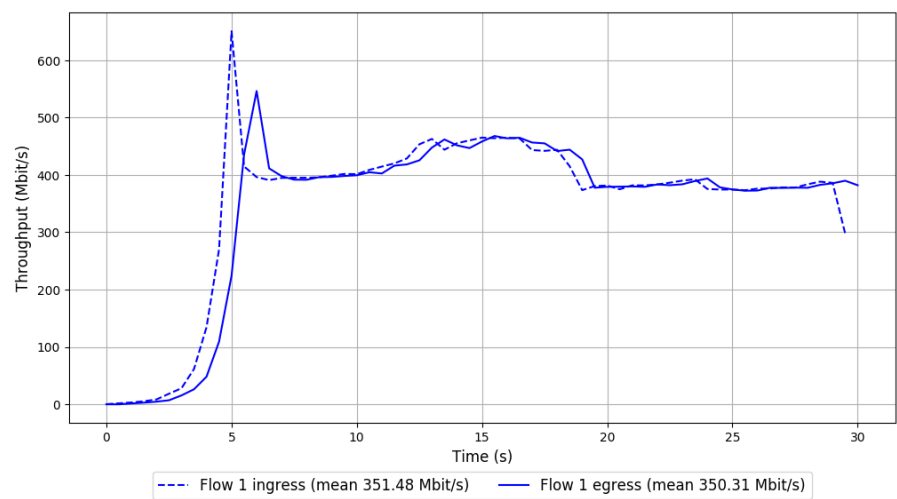
-- Flow 1:

Average throughput: 350.31 Mbit/s

95th percentile per-packet one-way delay: 121.059 ms

Loss rate: 0.33%

Run 1: Report of PCC-Vivace — Data Link

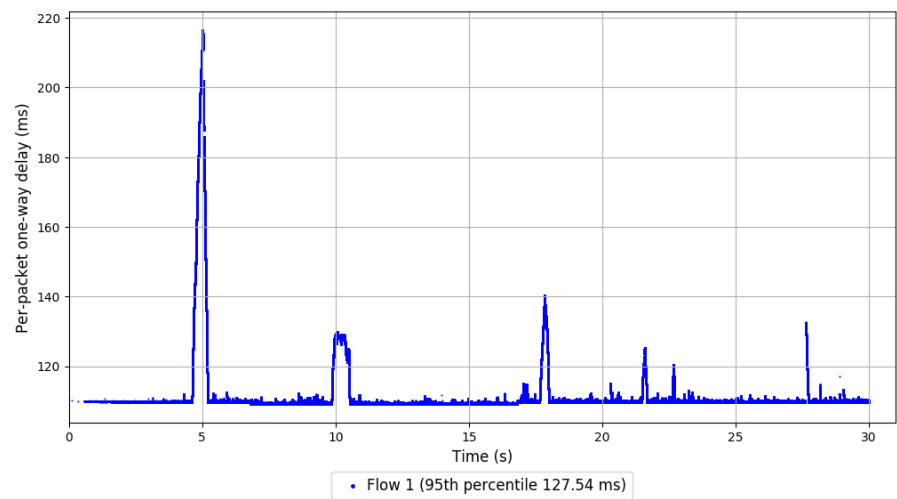
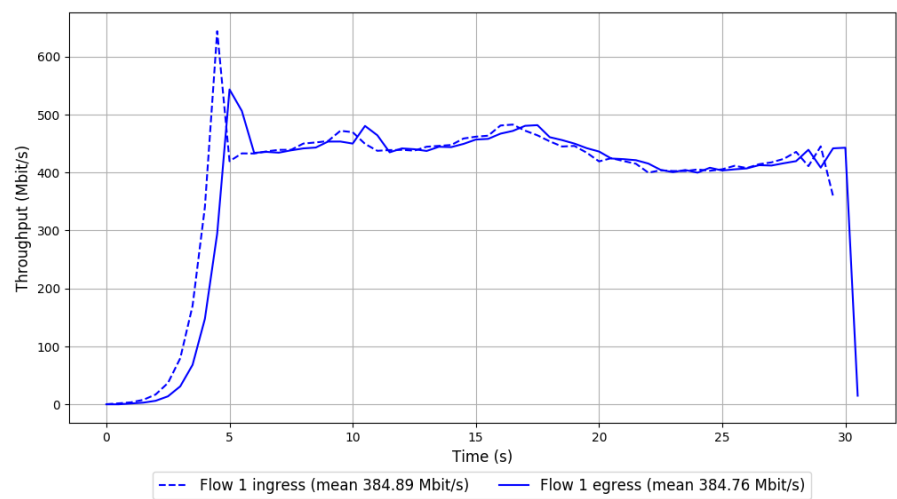


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-09 19:40:51
End at: 2018-07-09 19:41:21
Local clock offset: -0.019 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-10 00:07:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 384.76 Mbit/s
95th percentile per-packet one-way delay: 127.540 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 384.76 Mbit/s
95th percentile per-packet one-way delay: 127.540 ms
Loss rate: 0.03%

Run 2: Report of PCC-Vivace — Data Link

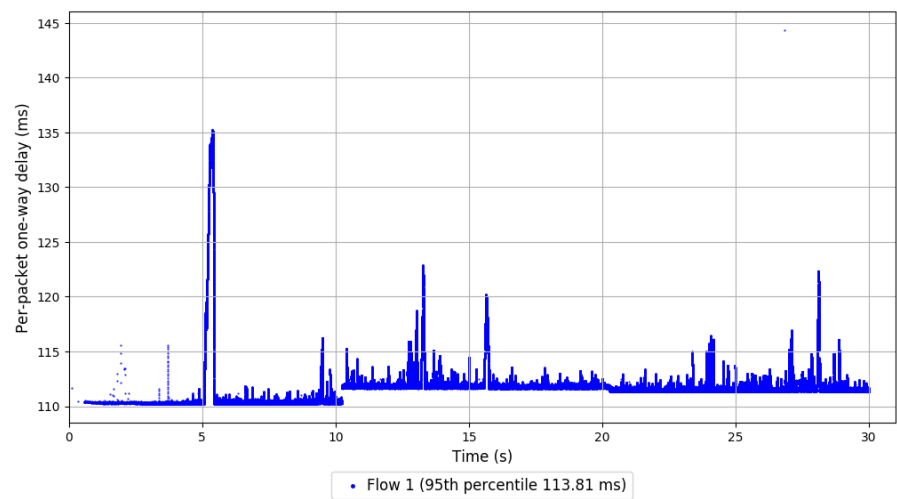
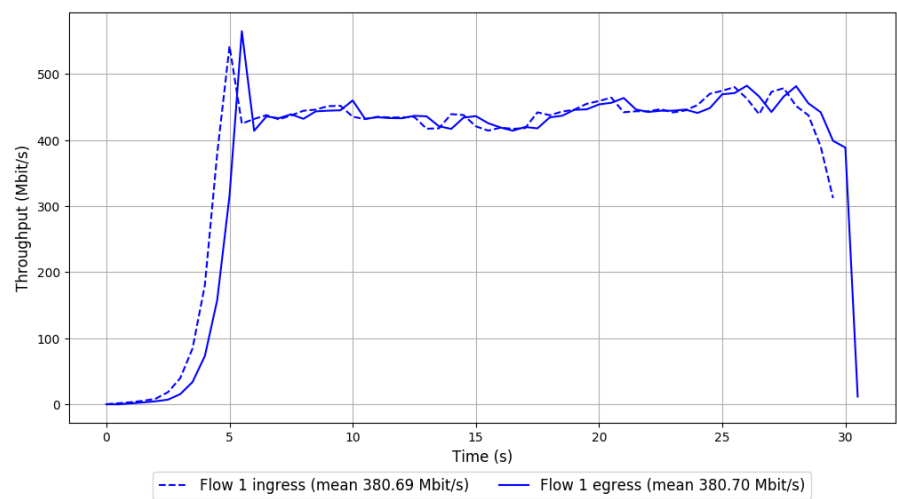


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-09 20:03:18
End at: 2018-07-09 20:03:48
Local clock offset: -0.249 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-10 00:07:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.70 Mbit/s
95th percentile per-packet one-way delay: 113.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 380.70 Mbit/s
95th percentile per-packet one-way delay: 113.813 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-09 20:25:55

End at: 2018-07-09 20:26:25

Local clock offset: 0.044 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-10 00:07:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.64 Mbit/s

95th percentile per-packet one-way delay: 115.714 ms

Loss rate: 0.23%

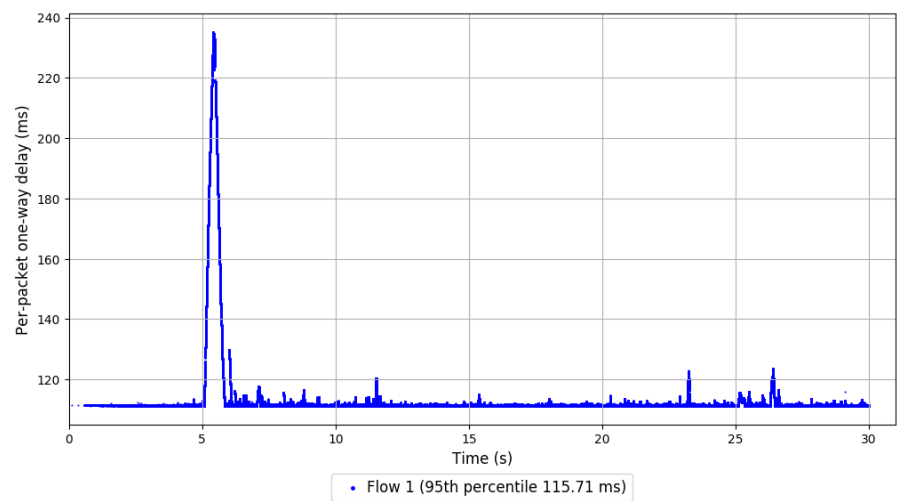
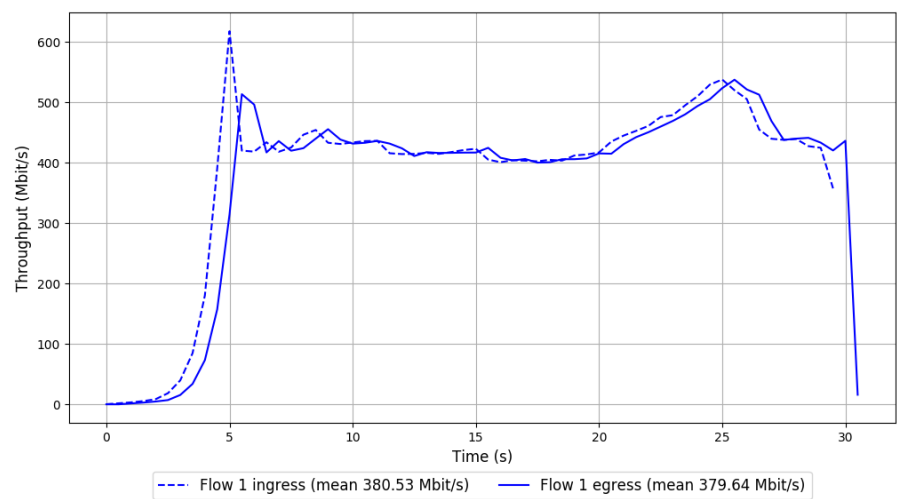
-- Flow 1:

Average throughput: 379.64 Mbit/s

95th percentile per-packet one-way delay: 115.714 ms

Loss rate: 0.23%

Run 4: Report of PCC-Vivace — Data Link

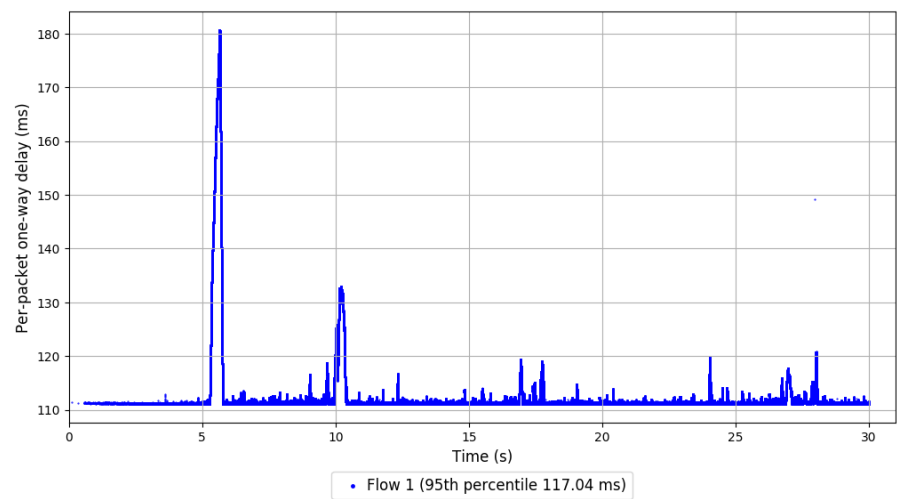
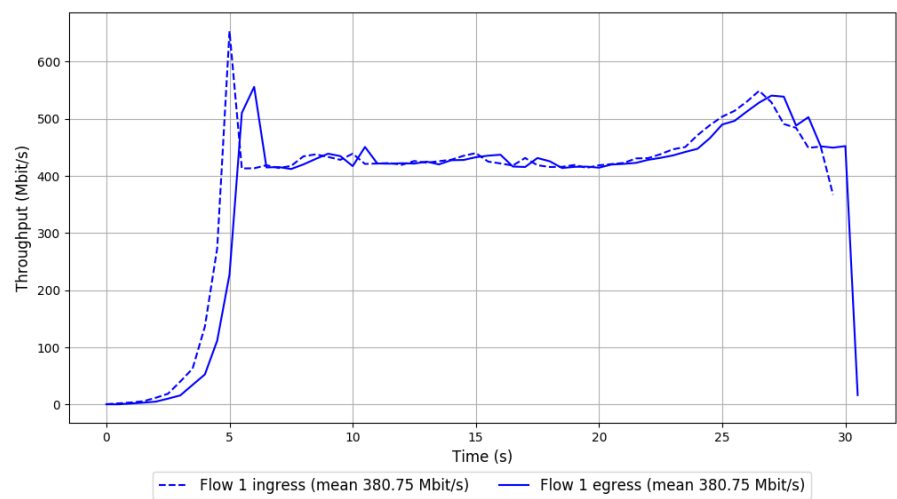


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-09 20:48:19
End at: 2018-07-09 20:48:49
Local clock offset: -0.199 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-07-10 00:07:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.75 Mbit/s
95th percentile per-packet one-way delay: 117.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 380.75 Mbit/s
95th percentile per-packet one-way delay: 117.044 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

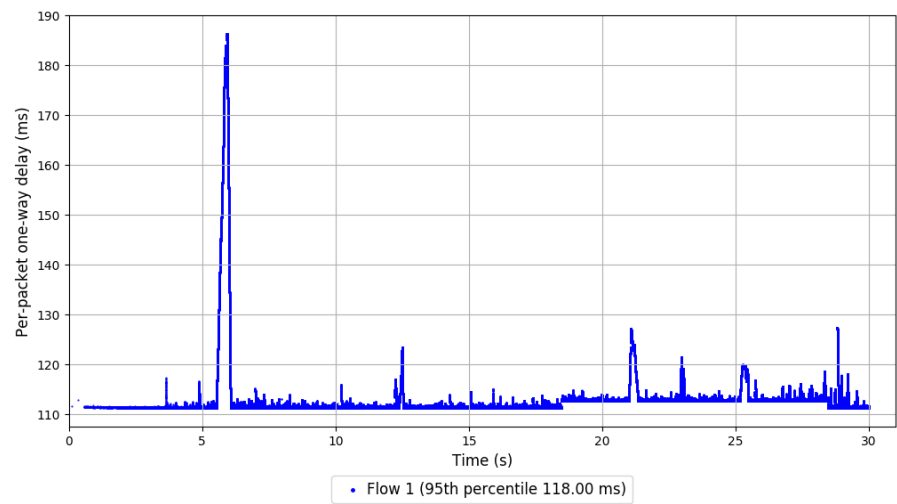
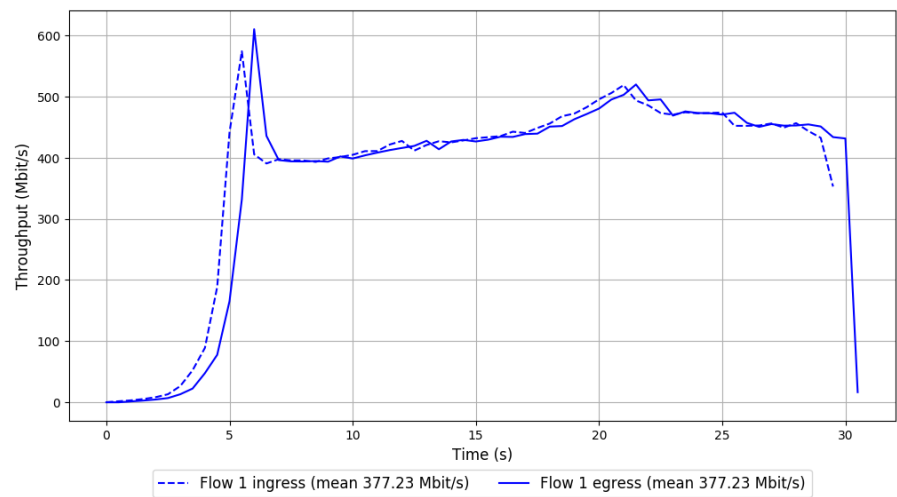


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-09 21:11:10
End at: 2018-07-09 21:11:40
Local clock offset: -0.274 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-10 00:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.23 Mbit/s
95th percentile per-packet one-way delay: 118.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 377.23 Mbit/s
95th percentile per-packet one-way delay: 118.003 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

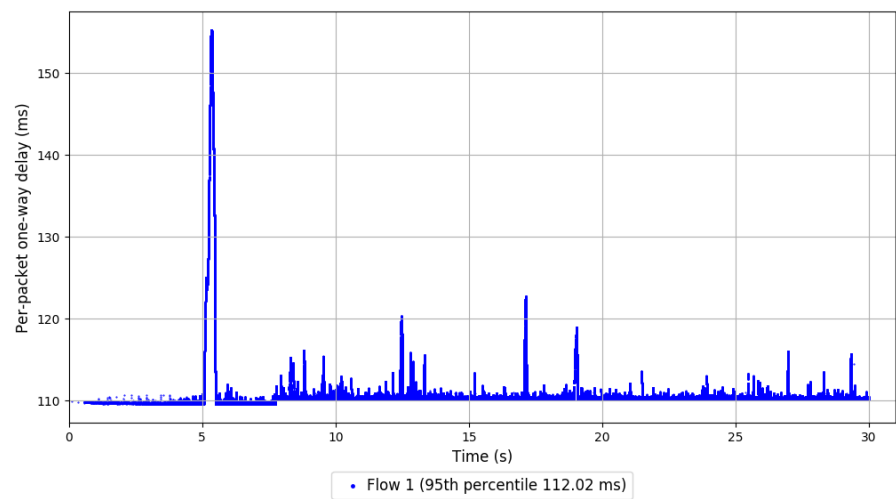
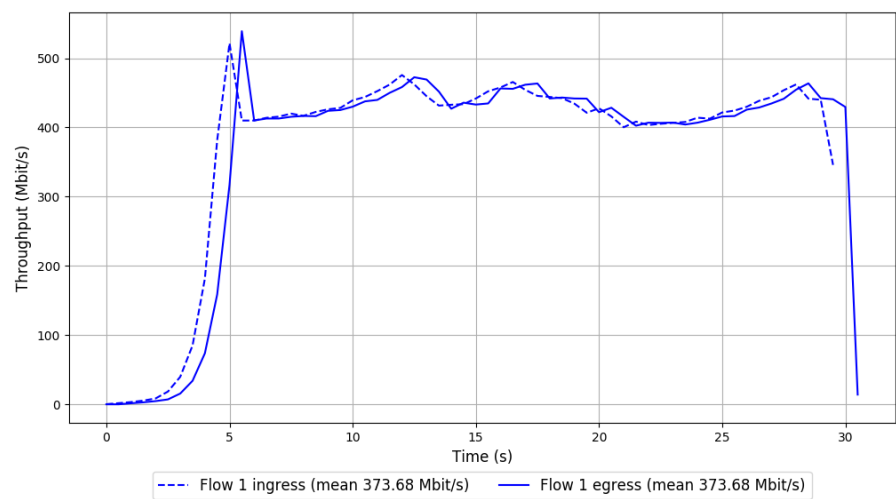


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-09 21:33:48
End at: 2018-07-09 21:34:18
Local clock offset: -0.269 ms
Remote clock offset: -0.527 ms

Below is generated by plot.py at 2018-07-10 00:07:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 373.68 Mbit/s
95th percentile per-packet one-way delay: 112.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 373.68 Mbit/s
95th percentile per-packet one-way delay: 112.018 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

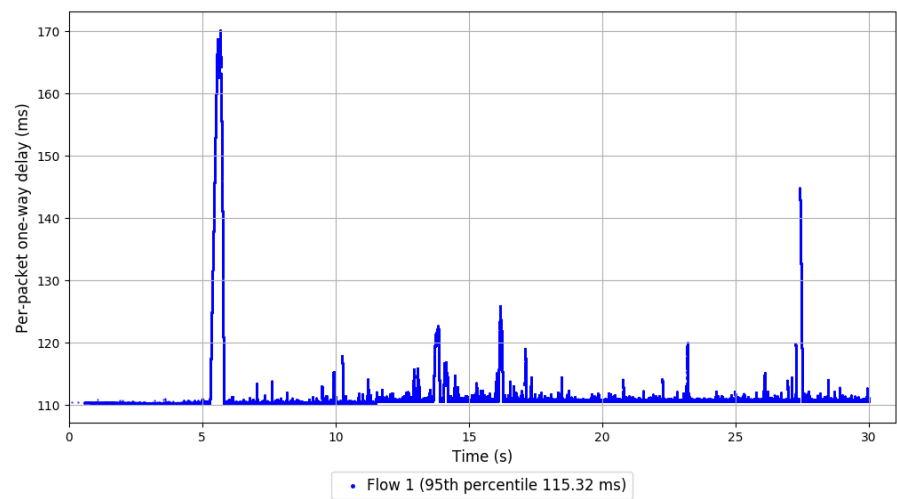
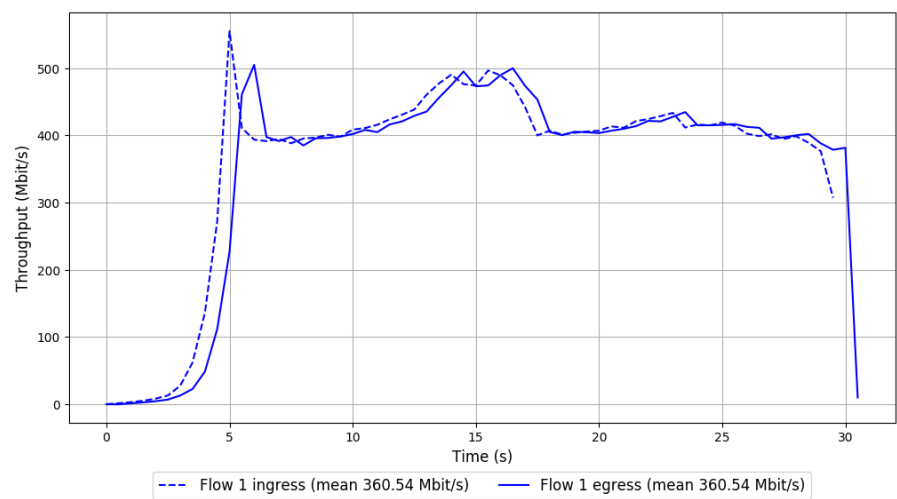


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-09 21:56:07
End at: 2018-07-09 21:56:37
Local clock offset: 0.164 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-10 00:08:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 360.54 Mbit/s
95th percentile per-packet one-way delay: 115.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 360.54 Mbit/s
95th percentile per-packet one-way delay: 115.323 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-09 22:17:56

End at: 2018-07-09 22:18:26

Local clock offset: 1.23 ms

Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-07-10 00:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 358.13 Mbit/s

95th percentile per-packet one-way delay: 116.800 ms

Loss rate: 0.11%

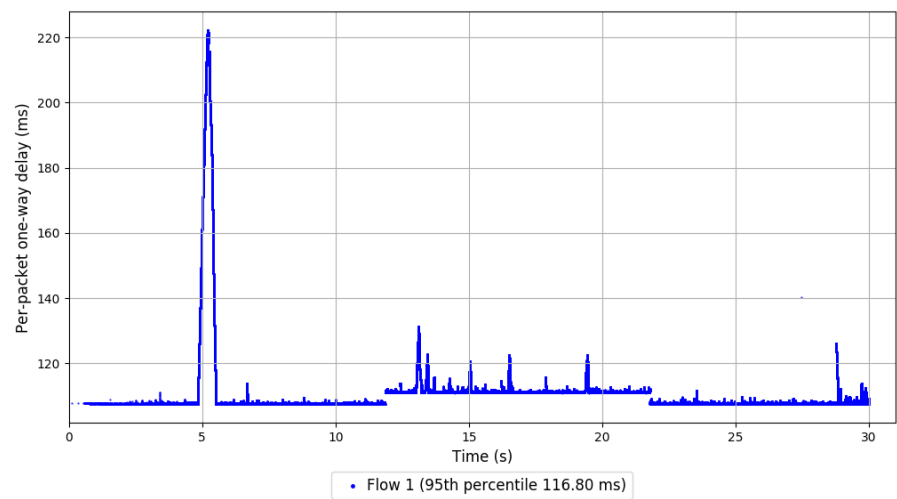
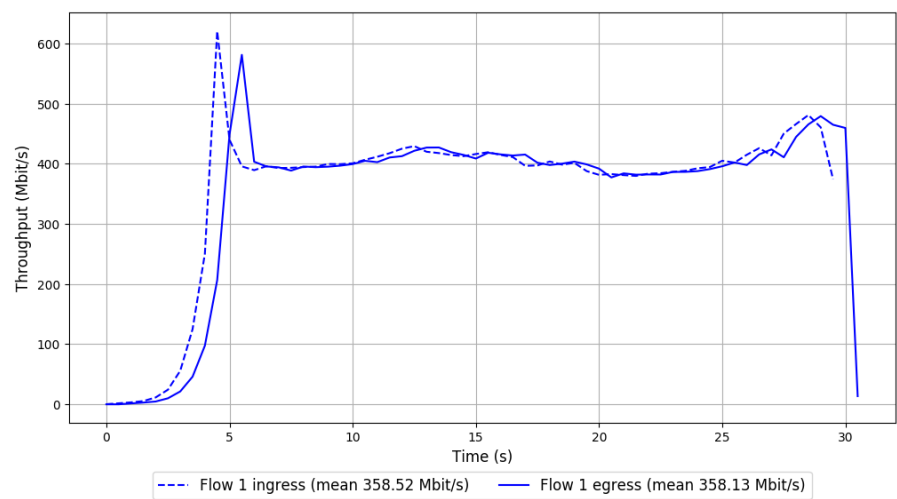
-- Flow 1:

Average throughput: 358.13 Mbit/s

95th percentile per-packet one-way delay: 116.800 ms

Loss rate: 0.11%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

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

End at: 2018-07-09 22:40:39

Local clock offset: -1.153 ms

Remote clock offset: -0.423 ms

Below is generated by plot.py at 2018-07-10 00:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 365.91 Mbit/s

95th percentile per-packet one-way delay: 112.241 ms

Loss rate: 0.19%

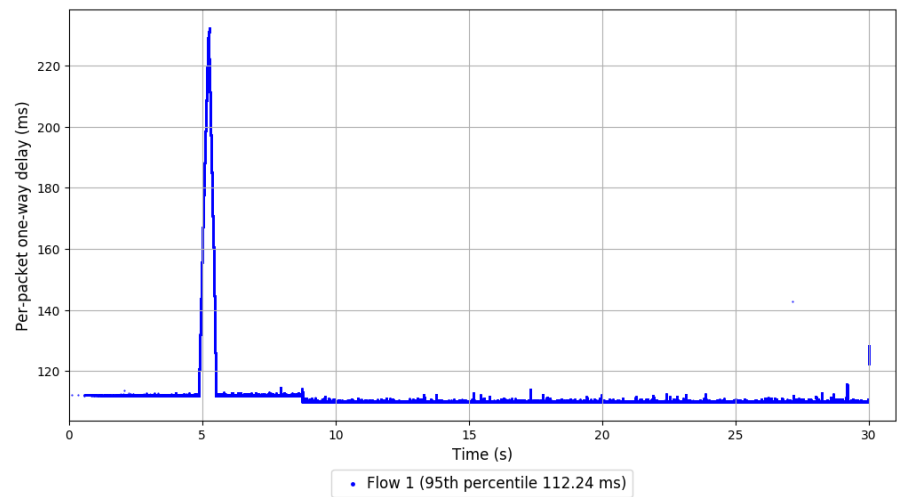
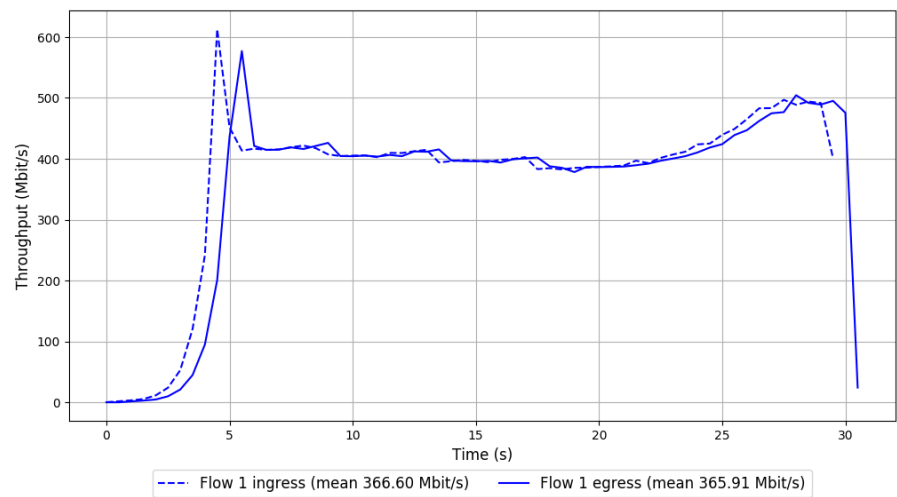
-- Flow 1:

Average throughput: 365.91 Mbit/s

95th percentile per-packet one-way delay: 112.241 ms

Loss rate: 0.19%

Run 10: Report of PCC-Vivace — Data Link

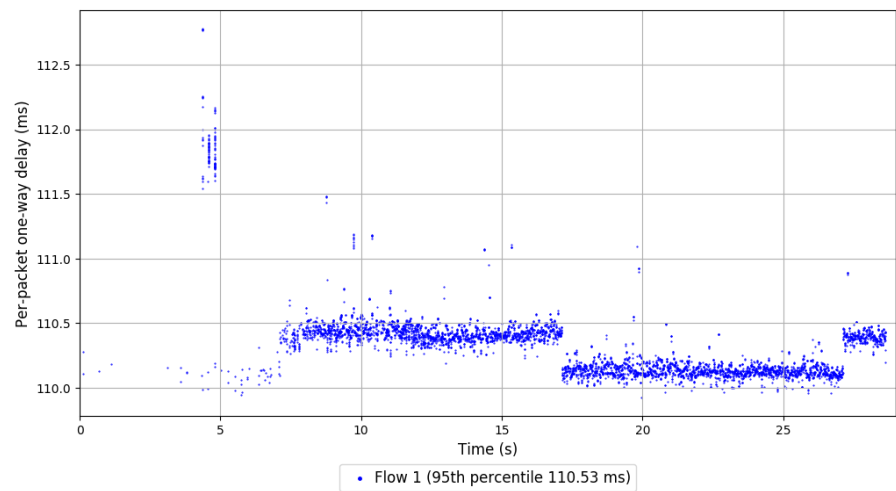
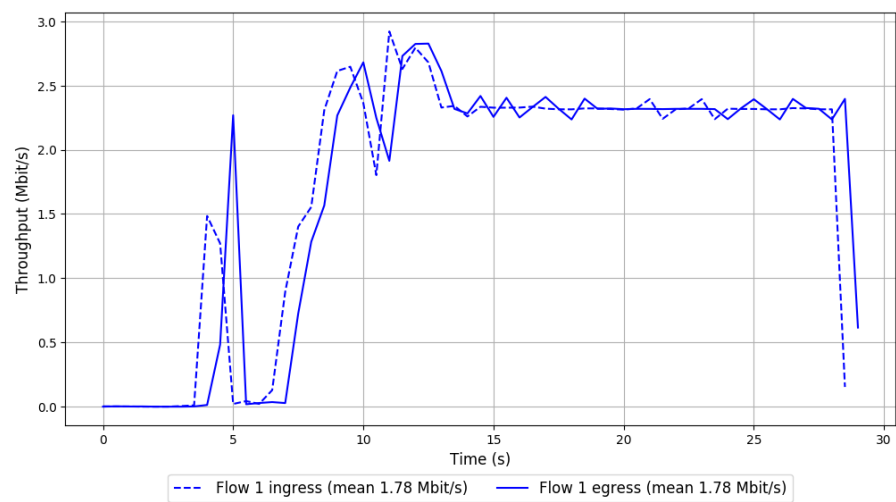


```
Run 1: Statistics of WebRTC media

Start at: 2018-07-09 19:00:20
End at: 2018-07-09 19:00:50
Local clock offset: -0.004 ms
Remote clock offset: 0.193 ms

# Below is generated by plot.py at 2018-07-10 00:08:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 110.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 110.525 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-09 19:22:42

End at: 2018-07-09 19:23:12

Local clock offset: -0.17 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-07-10 00:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

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

Loss rate: 0.00%

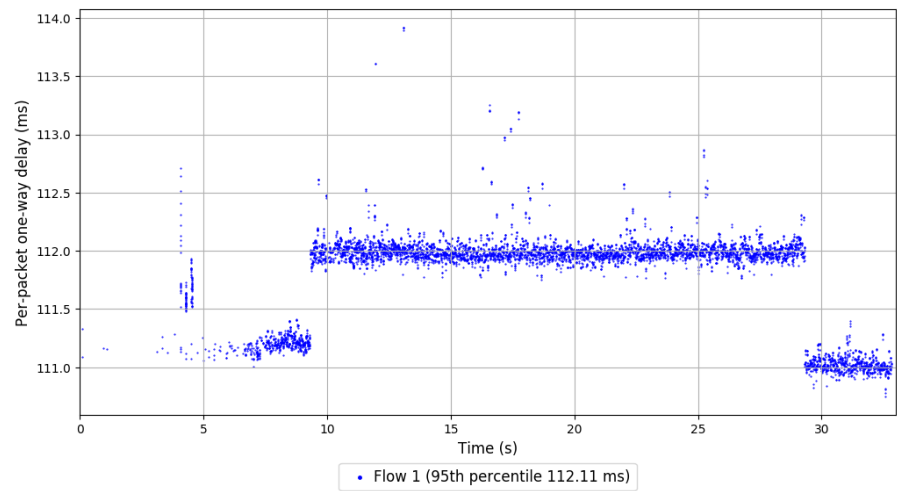
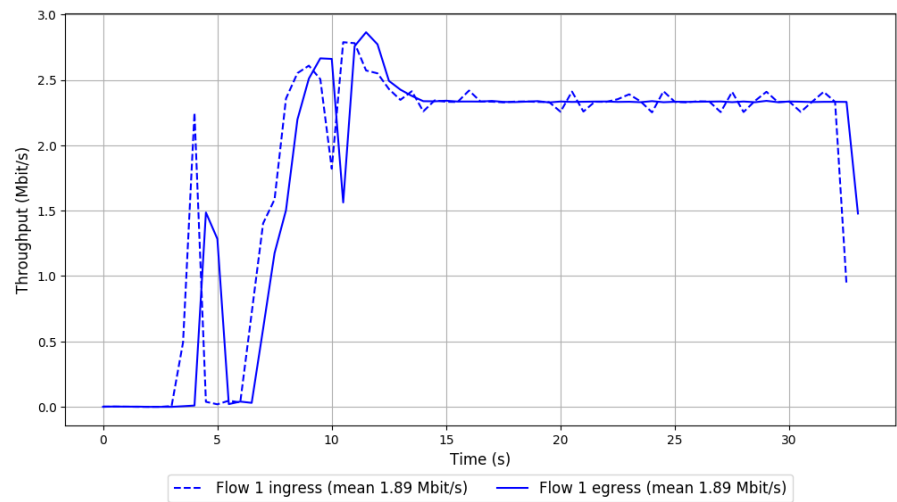
-- Flow 1:

Average throughput: 1.89 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

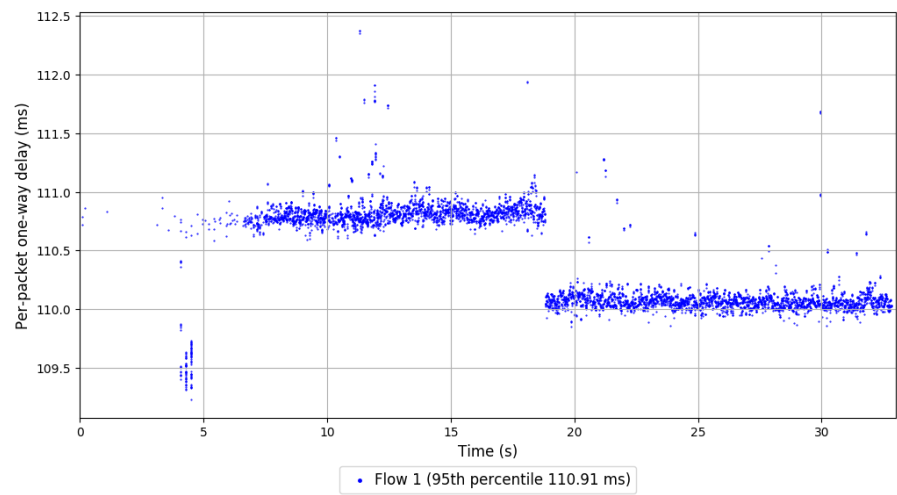
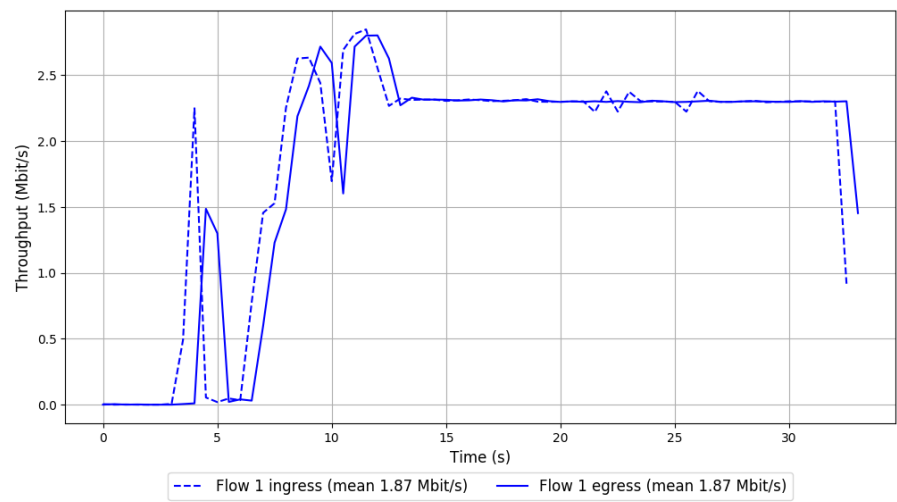


Run 3: Statistics of WebRTC media

Start at: 2018-07-09 19:45:12
End at: 2018-07-09 19:45:42
Local clock offset: 0.179 ms
Remote clock offset: -0.545 ms

Below is generated by plot.py at 2018-07-10 00:08:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 110.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 110.911 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

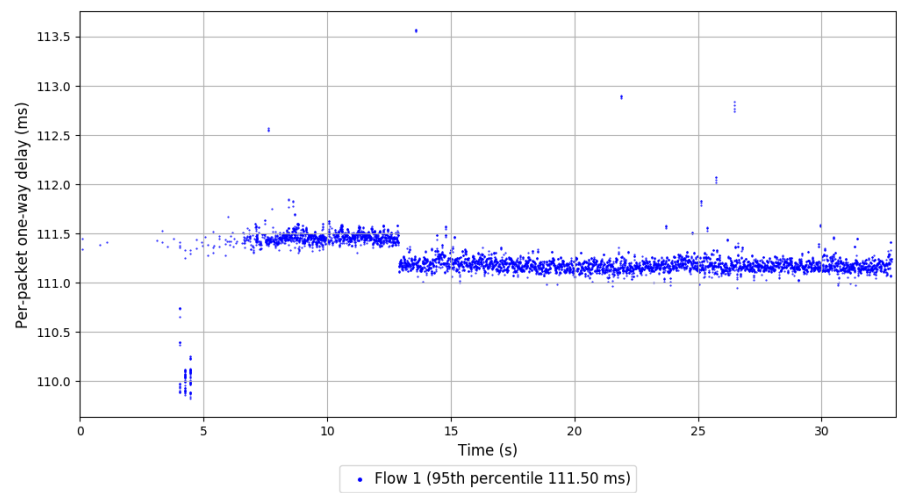
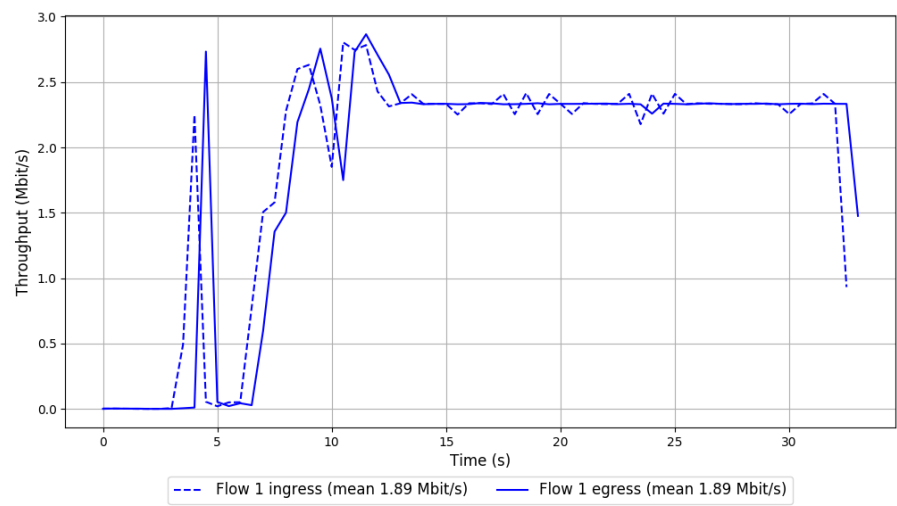


Run 4: Statistics of WebRTC media

Start at: 2018-07-09 20:07:48
End at: 2018-07-09 20:08:18
Local clock offset: -0.002 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-10 00:08:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 111.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 111.504 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-09 20:30:26

End at: 2018-07-09 20:30:56

Local clock offset: -0.131 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-10 00:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 111.316 ms

Loss rate: 0.00%

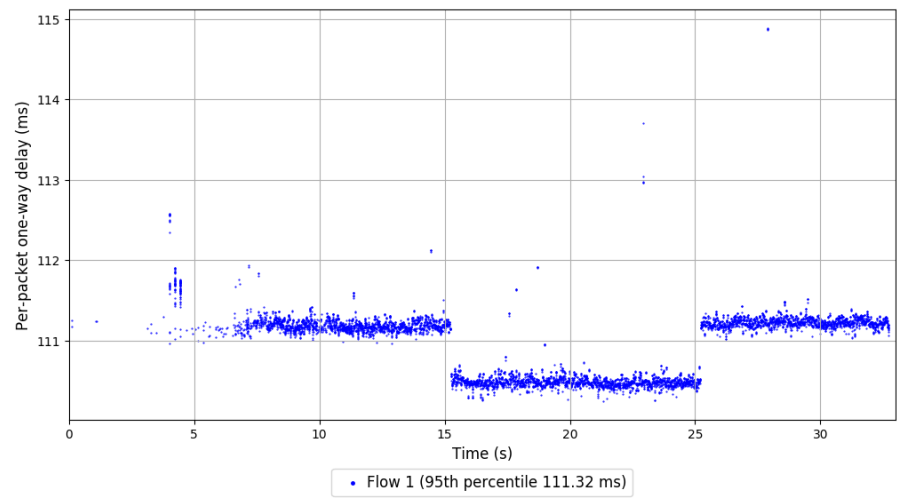
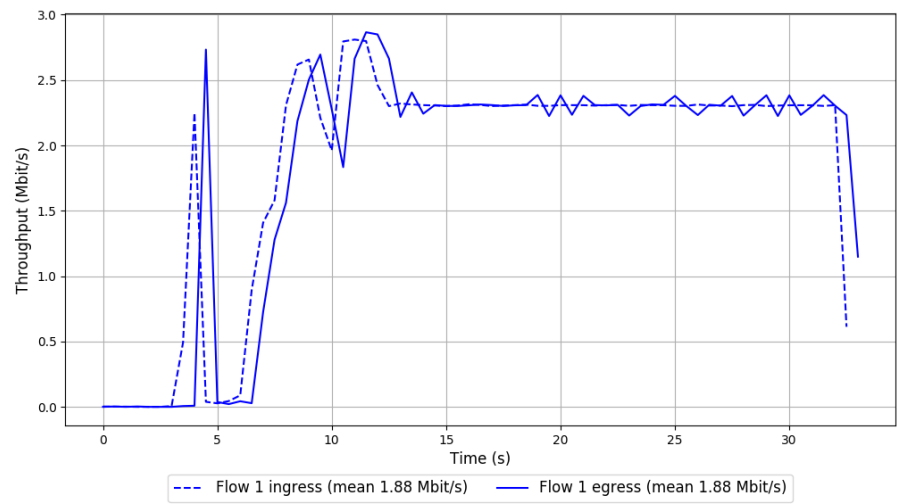
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 111.316 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

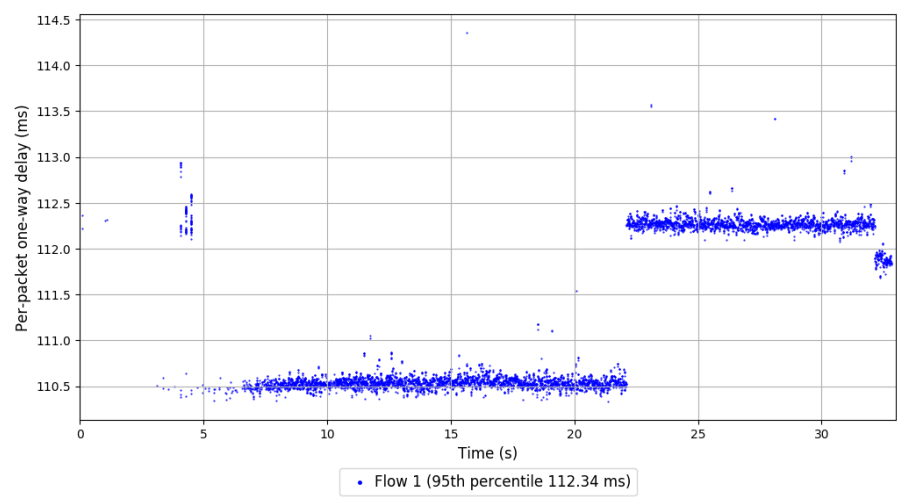
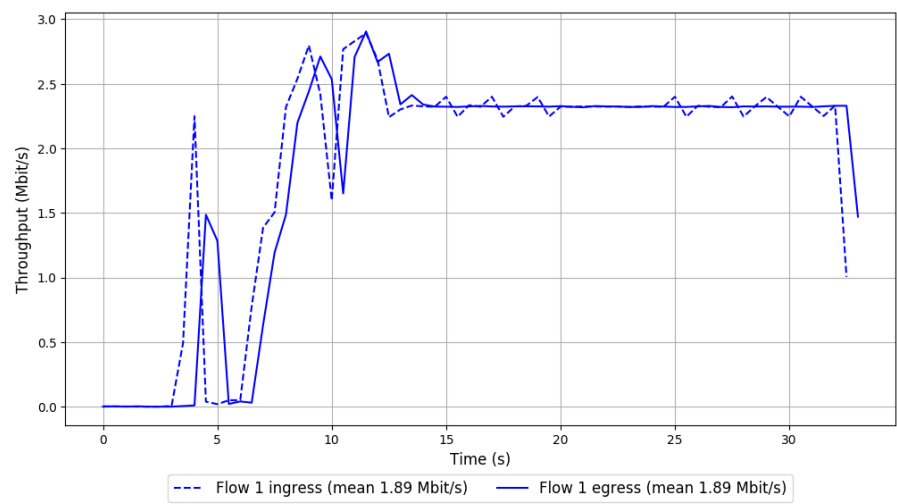


Run 6: Statistics of WebRTC media

Start at: 2018-07-09 20:52:49
End at: 2018-07-09 20:53:19
Local clock offset: -1.352 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-10 00:08:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 112.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 112.336 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

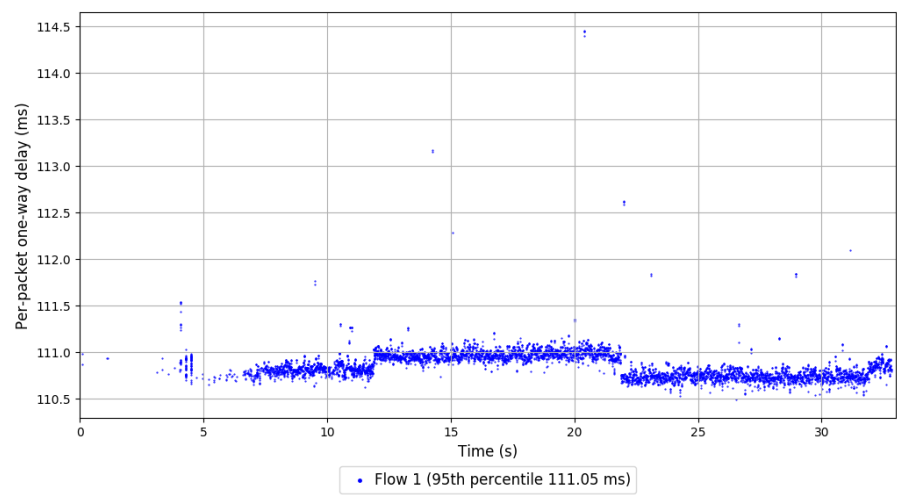
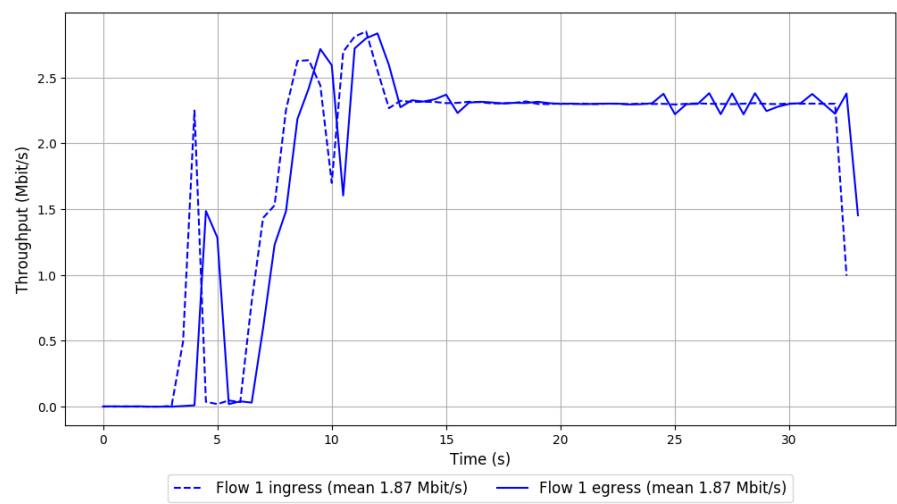


Run 7: Statistics of WebRTC media

Start at: 2018-07-09 21:15:39
End at: 2018-07-09 21:16:09
Local clock offset: -0.25 ms
Remote clock offset: -0.491 ms

Below is generated by plot.py at 2018-07-10 00:08:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 111.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 111.049 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

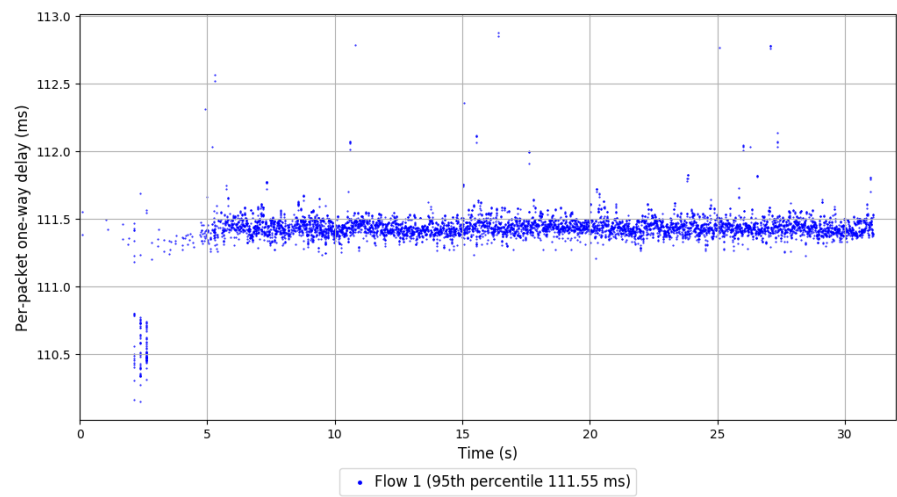
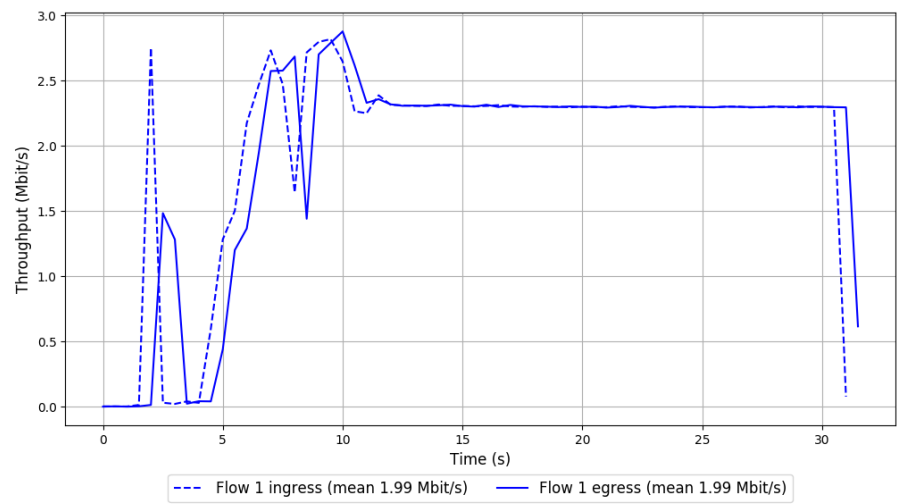


Run 8: Statistics of WebRTC media

Start at: 2018-07-09 21:38:17
End at: 2018-07-09 21:38:47
Local clock offset: -0.081 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-10 00:08:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 111.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 111.547 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

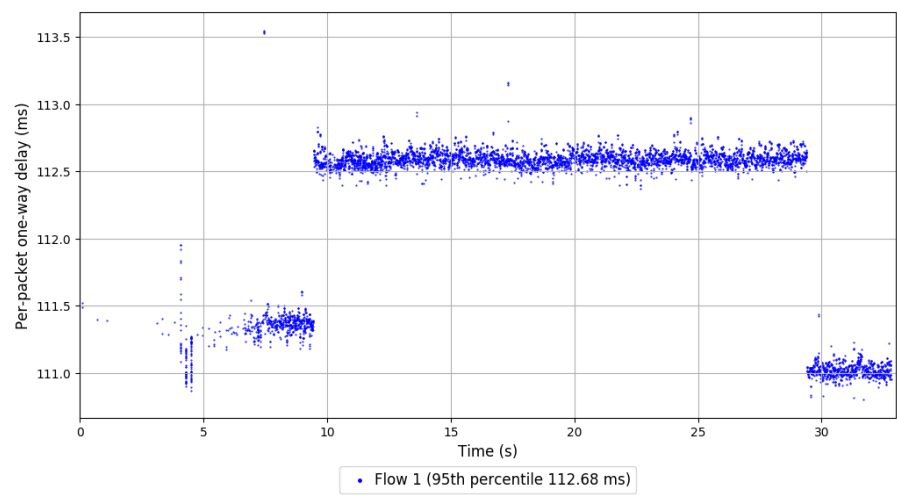
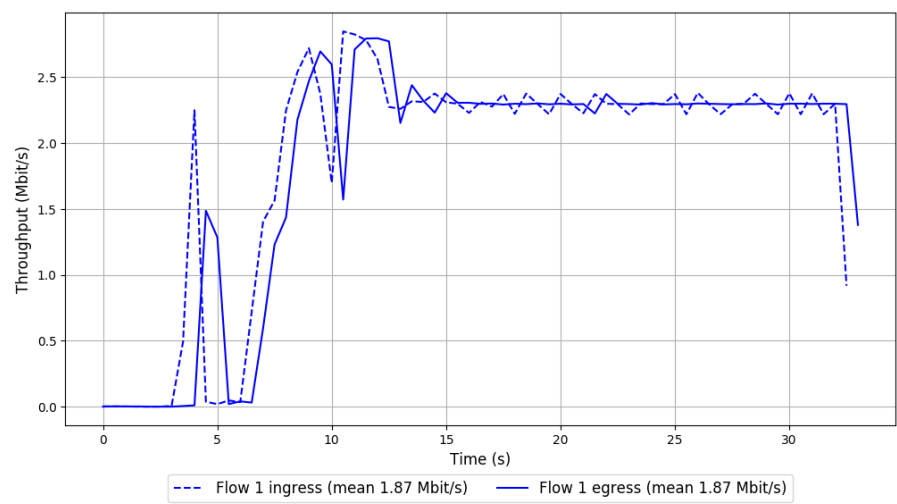


Run 9: Statistics of WebRTC media

Start at: 2018-07-09 22:00:12
End at: 2018-07-09 22:00:42
Local clock offset: -0.1 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-10 00:08:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 112.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 112.677 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-09 22:22:21

End at: 2018-07-09 22:22:51

Local clock offset: 0.121 ms

Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-07-10 00:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 112.103 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 112.103 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

