

Pantheon Report

Generated at 2018-08-10 15:48:58 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

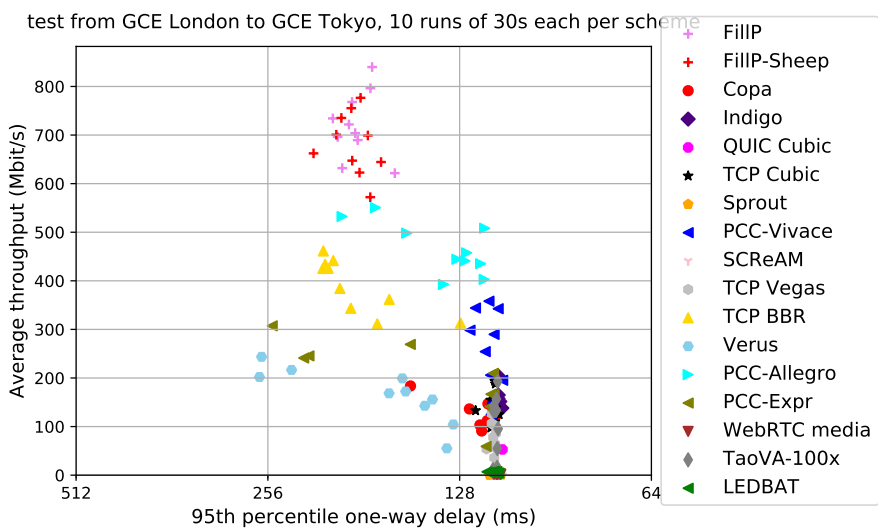
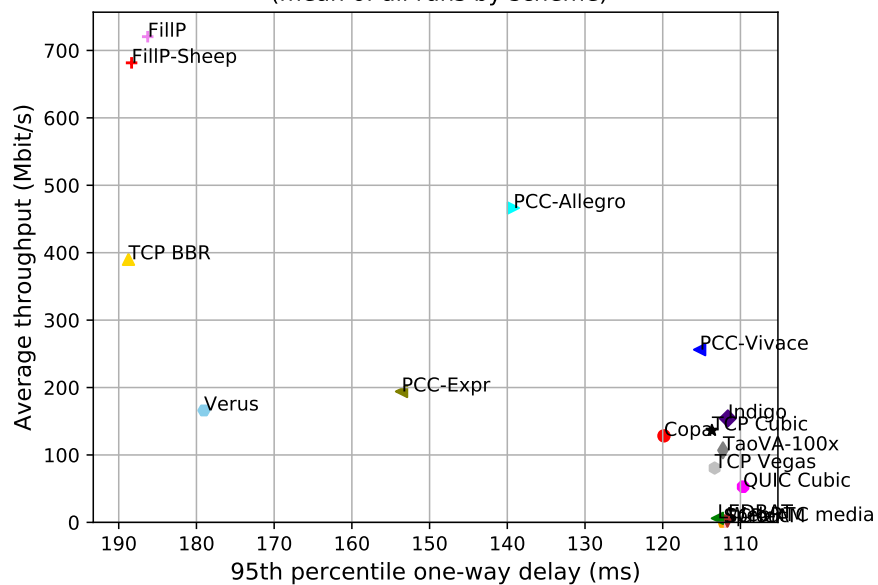
System info:

```
Linux 4.15.0-1014-gcp
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	390.22	188.75	2.41
Copa	10	128.34	119.84	0.43
TCP Cubic	10	136.36	113.67	0.93
FillP	10	720.39	186.27	4.51
FillP-Sheep	10	681.61	188.34	4.97
Indigo	10	154.23	111.62	0.77
LEDBAT	10	6.00	112.97	1.58
PCC-Allegro	10	466.28	139.22	1.56
PCC-Expr	10	194.13	153.61	1.49
QUIC Cubic	1	52.90	109.66	0.93
SCReAM	10	0.21	111.96	0.74
Sprout	10	0.20	112.17	0.53
TaoVA-100x	10	106.87	112.25	0.52
TCP Vegas	10	80.56	113.32	0.71
Verus	10	166.00	179.03	3.95
PCC-Vivace	10	256.18	115.25	0.88
WebRTC media	10	1.96	111.66	0.96

Run 1: Statistics of TCP BBR

Start at: 2018-08-10 10:38:14

End at: 2018-08-10 10:38:44

Local clock offset: 0.596 ms

Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-10 14:23:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.44 Mbit/s

95th percentile per-packet one-way delay: 172.377 ms

Loss rate: 1.32%

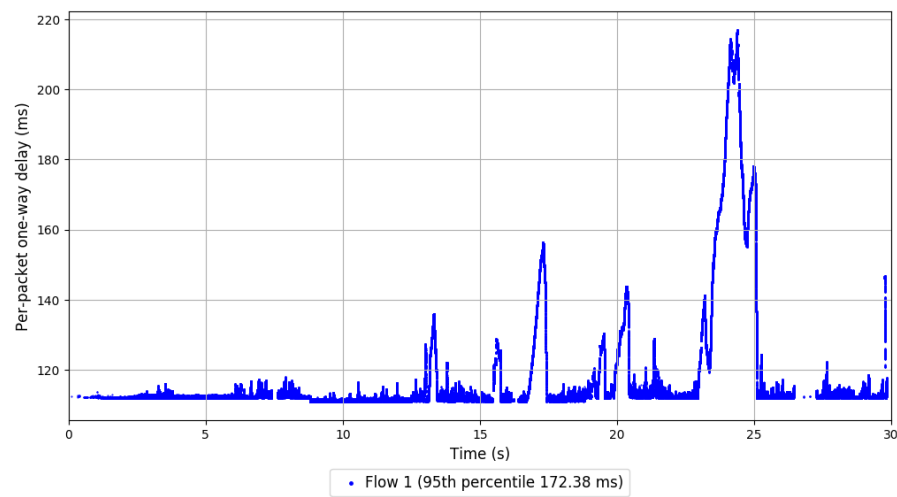
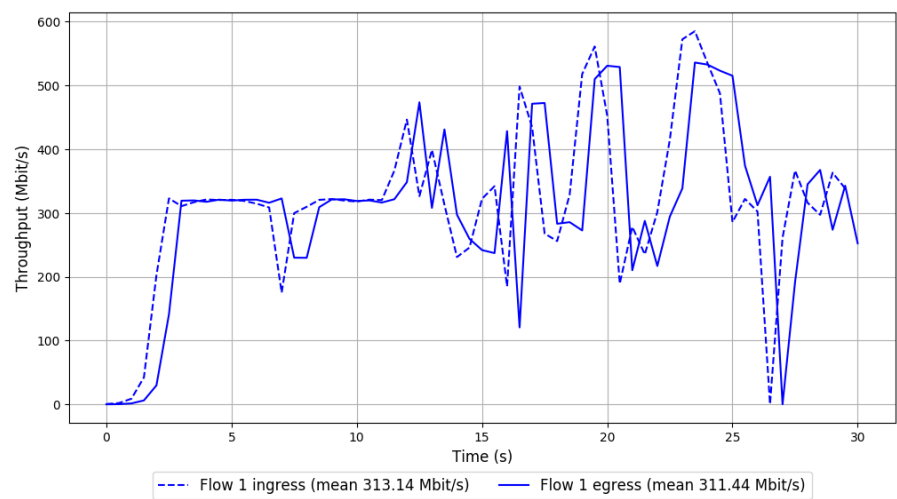
-- Flow 1:

Average throughput: 311.44 Mbit/s

95th percentile per-packet one-way delay: 172.377 ms

Loss rate: 1.32%

Run 1: Report of TCP BBR — Data Link

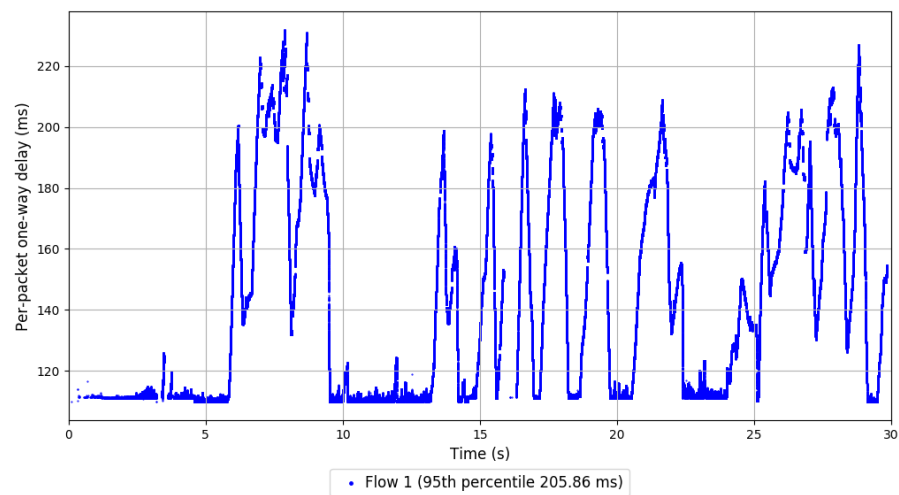
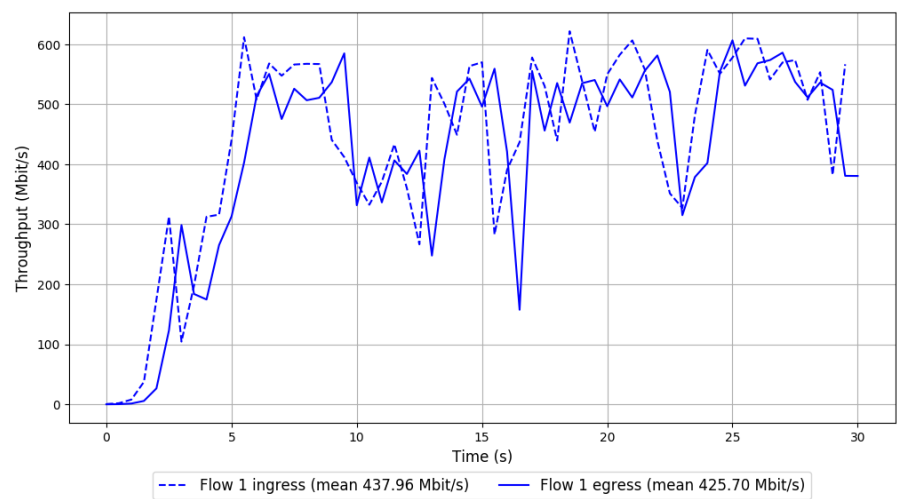


Run 2: Statistics of TCP BBR

Start at: 2018-08-10 11:00:18
End at: 2018-08-10 11:00:48
Local clock offset: -0.301 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-08-10 14:25:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 425.70 Mbit/s
95th percentile per-packet one-way delay: 205.863 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 425.70 Mbit/s
95th percentile per-packet one-way delay: 205.863 ms
Loss rate: 3.52%

Run 2: Report of TCP BBR — Data Link

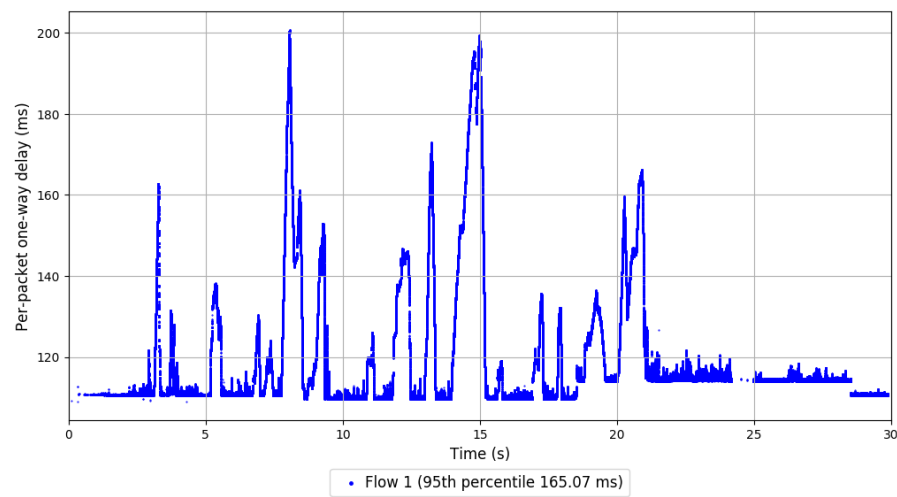
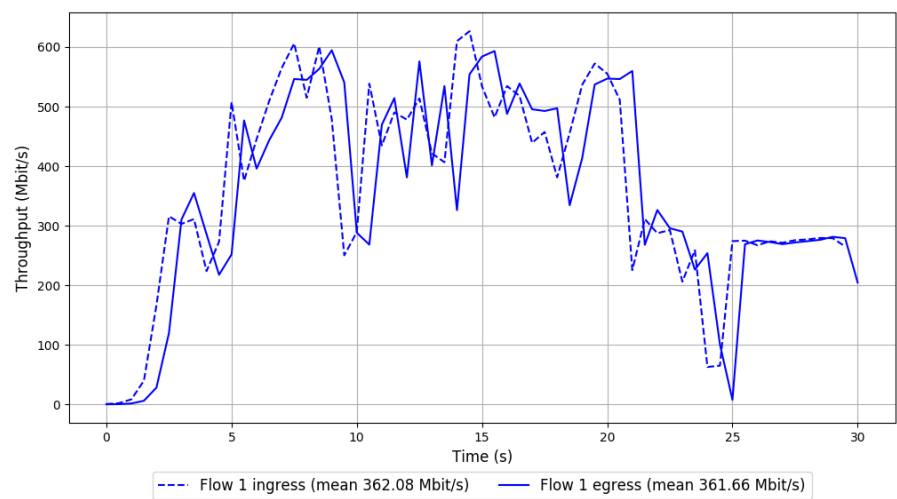


Run 3: Statistics of TCP BBR

Start at: 2018-08-10 11:22:44
End at: 2018-08-10 11:23:14
Local clock offset: -0.769 ms
Remote clock offset: -0.498 ms

Below is generated by plot.py at 2018-08-10 14:25:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.66 Mbit/s
95th percentile per-packet one-way delay: 165.069 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 361.66 Mbit/s
95th percentile per-packet one-way delay: 165.069 ms
Loss rate: 0.86%

Run 3: Report of TCP BBR — Data Link

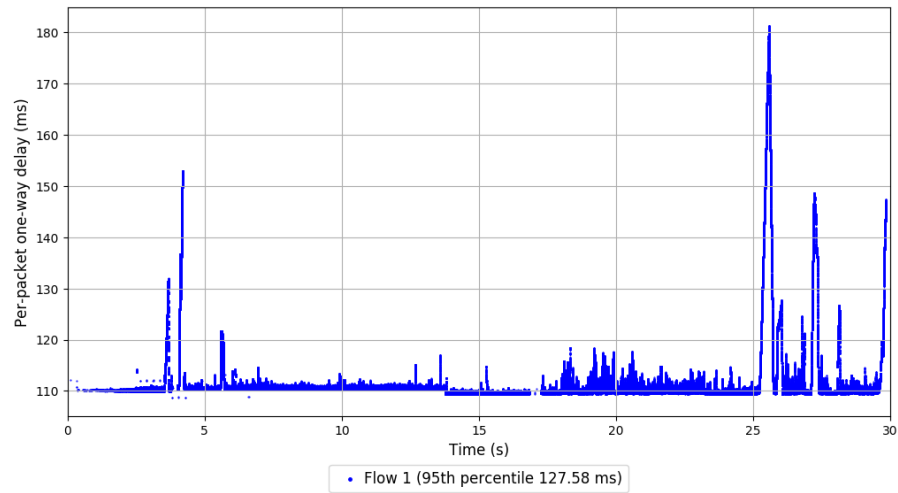
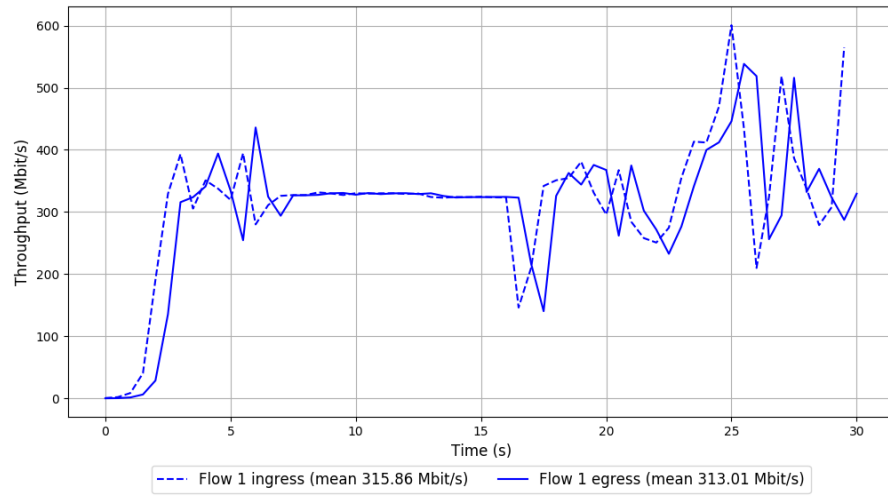


Run 4: Statistics of TCP BBR

Start at: 2018-08-10 11:44:49
End at: 2018-08-10 11:45:19
Local clock offset: -0.827 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-08-10 14:25:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 313.01 Mbit/s
95th percentile per-packet one-way delay: 127.579 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 313.01 Mbit/s
95th percentile per-packet one-way delay: 127.579 ms
Loss rate: 1.65%

Run 4: Report of TCP BBR — Data Link

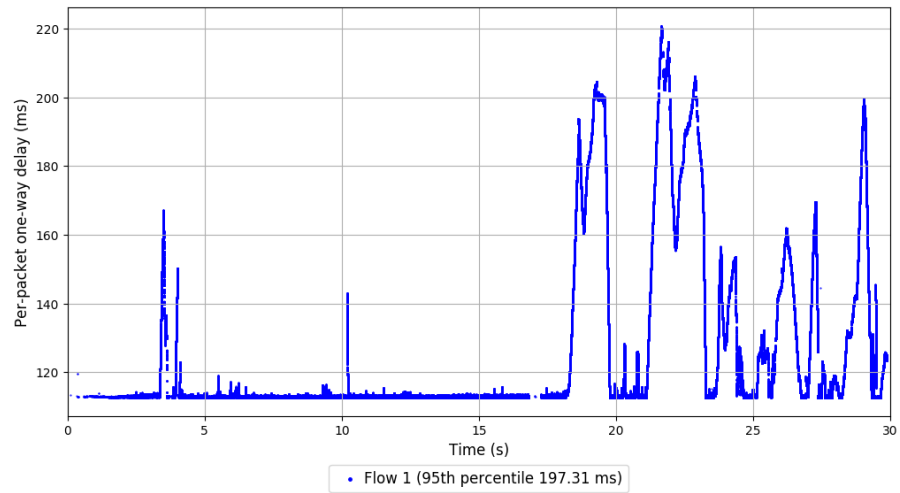
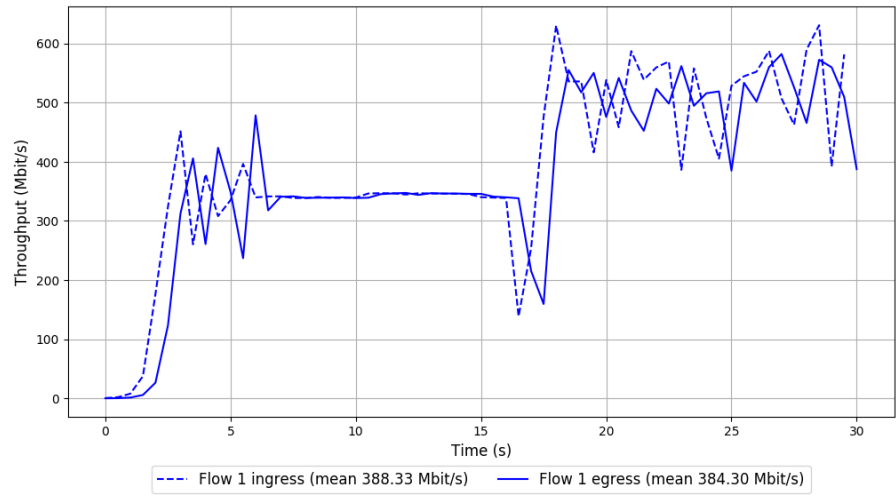


Run 5: Statistics of TCP BBR

Start at: 2018-08-10 12:07:25
End at: 2018-08-10 12:07:55
Local clock offset: 1.343 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-08-10 14:25:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 384.30 Mbit/s
95th percentile per-packet one-way delay: 197.308 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 384.30 Mbit/s
95th percentile per-packet one-way delay: 197.308 ms
Loss rate: 1.78%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-10 12:29:56

End at: 2018-08-10 12:30:26

Local clock offset: 0.331 ms

Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-08-10 14:25:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 441.63 Mbit/s

95th percentile per-packet one-way delay: 202.096 ms

Loss rate: 2.01%

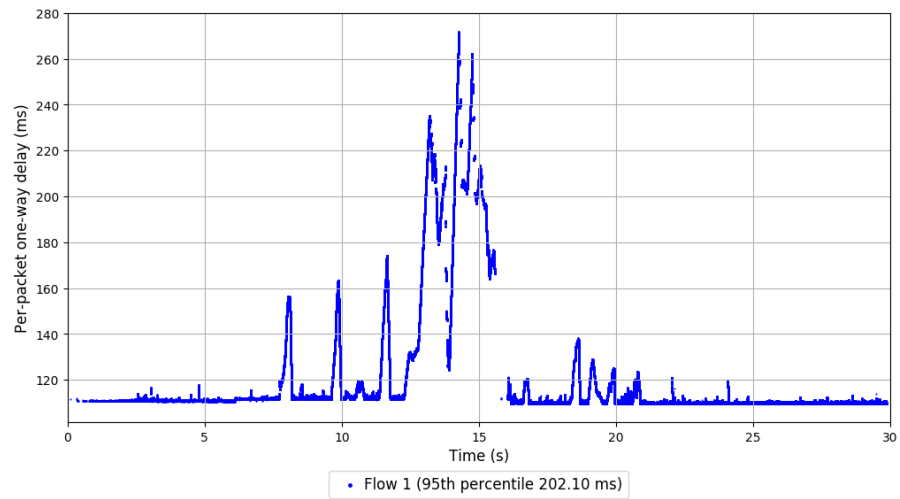
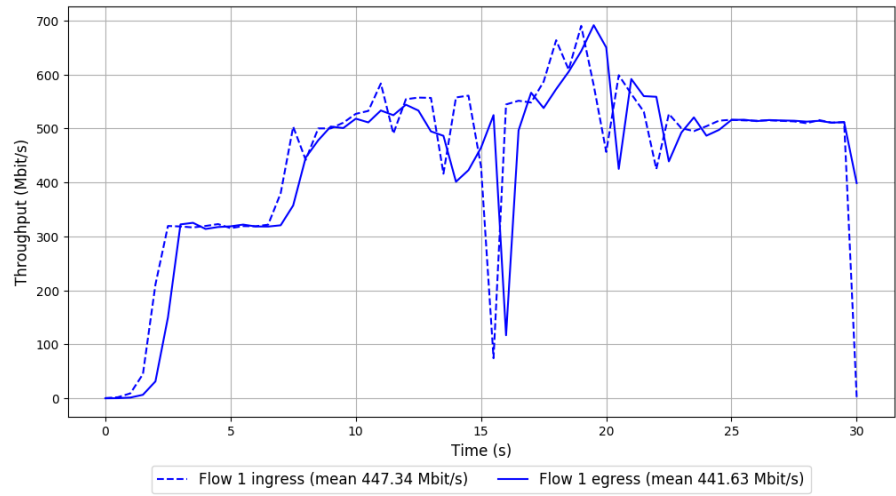
-- Flow 1:

Average throughput: 441.63 Mbit/s

95th percentile per-packet one-way delay: 202.096 ms

Loss rate: 2.01%

Run 6: Report of TCP BBR — Data Link

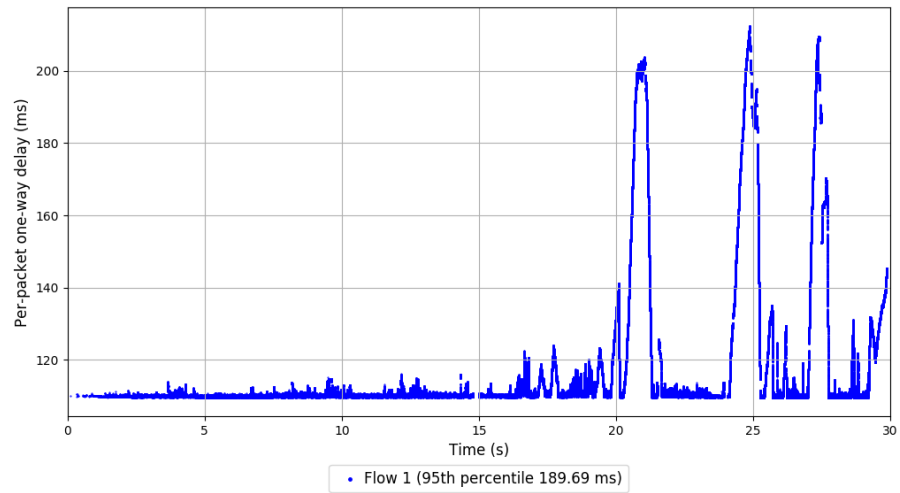
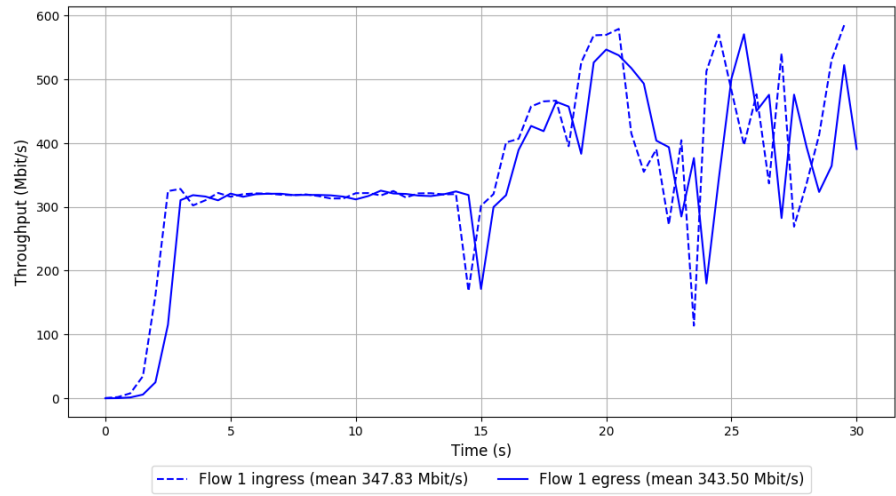


Run 7: Statistics of TCP BBR

Start at: 2018-08-10 12:52:48
End at: 2018-08-10 12:53:18
Local clock offset: -0.808 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-08-10 14:25:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 343.50 Mbit/s
95th percentile per-packet one-way delay: 189.692 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 343.50 Mbit/s
95th percentile per-packet one-way delay: 189.692 ms
Loss rate: 1.98%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-10 13:15:38

End at: 2018-08-10 13:16:08

Local clock offset: -0.28 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-10 14:25:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 461.44 Mbit/s

95th percentile per-packet one-way delay: 209.500 ms

Loss rate: 3.82%

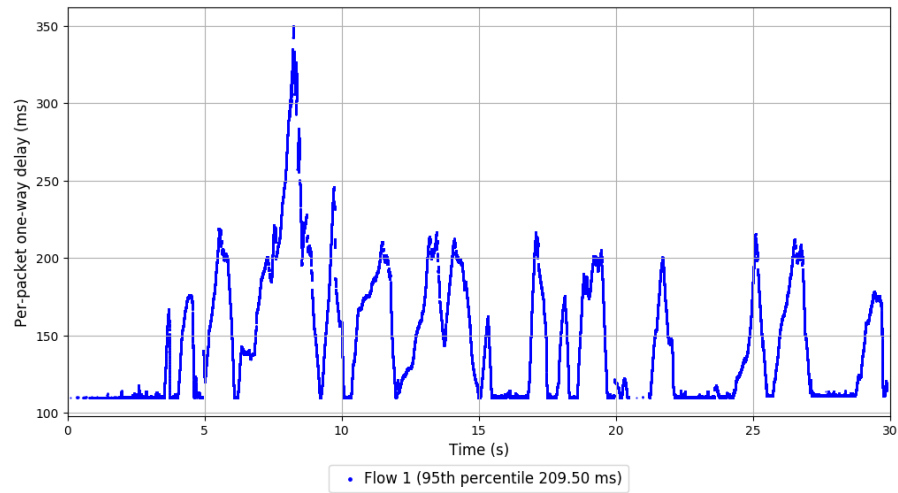
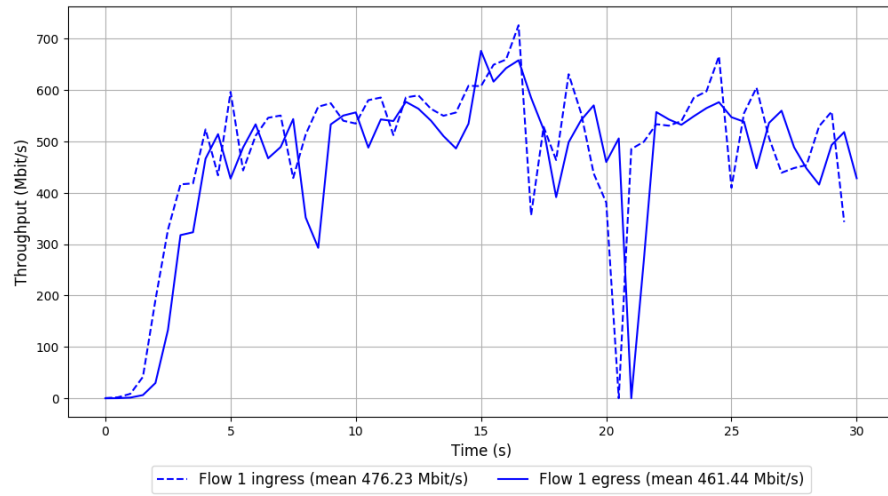
-- Flow 1:

Average throughput: 461.44 Mbit/s

95th percentile per-packet one-way delay: 209.500 ms

Loss rate: 3.82%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-10 13:38:57

End at: 2018-08-10 13:39:27

Local clock offset: 0.031 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-08-10 14:30:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 425.47 Mbit/s

95th percentile per-packet one-way delay: 209.843 ms

Loss rate: 4.53%

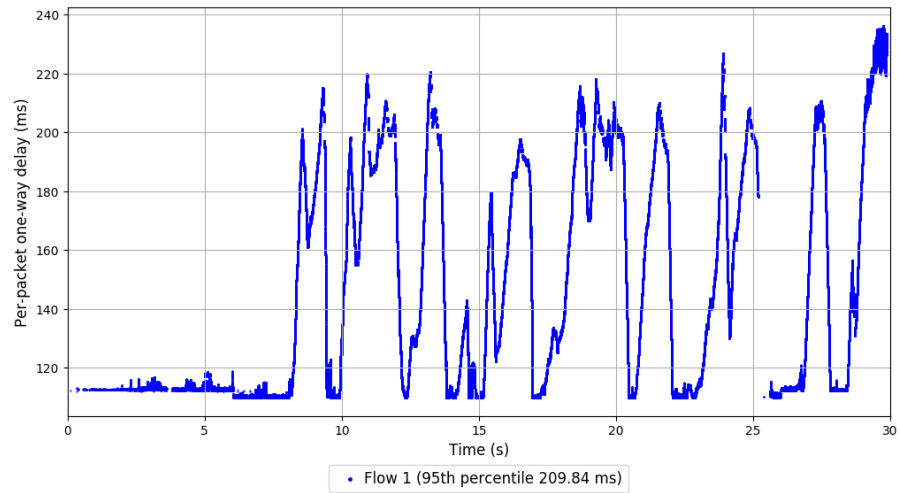
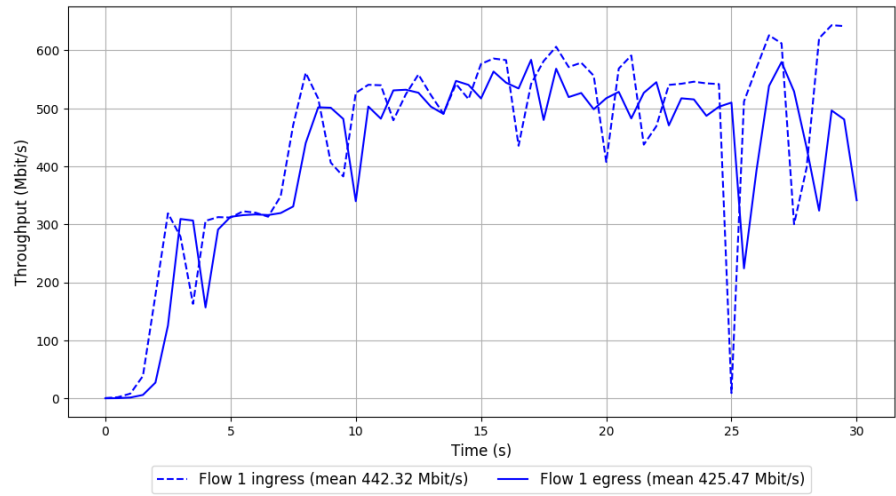
-- Flow 1:

Average throughput: 425.47 Mbit/s

95th percentile per-packet one-way delay: 209.843 ms

Loss rate: 4.53%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-10 14:01:57

End at: 2018-08-10 14:02:27

Local clock offset: 0.263 ms

Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-10 14:30:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 434.00 Mbit/s

95th percentile per-packet one-way delay: 208.124 ms

Loss rate: 2.61%

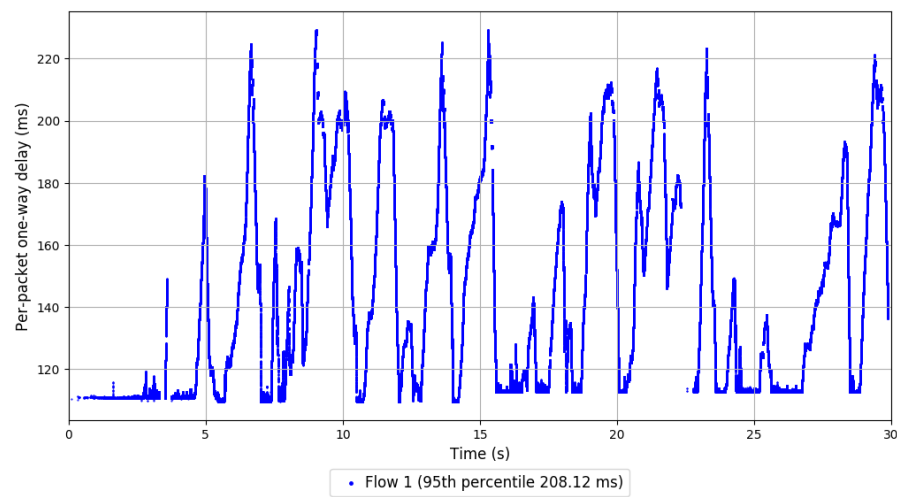
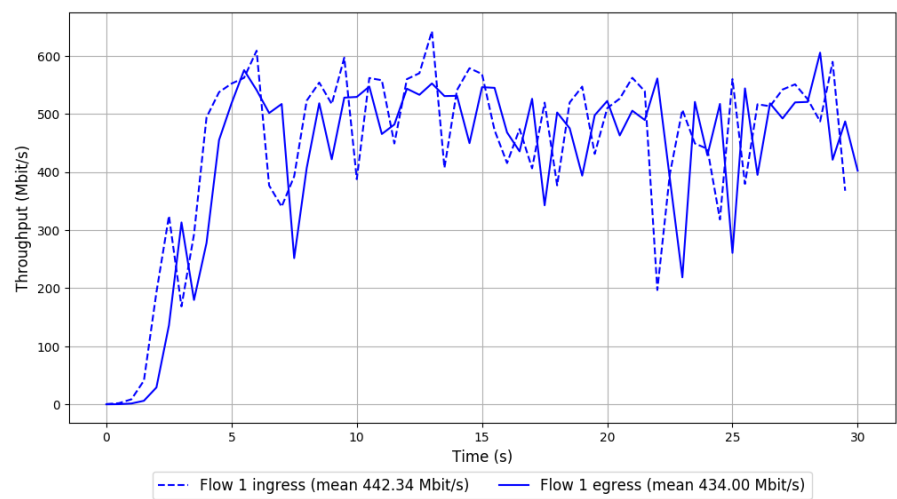
-- Flow 1:

Average throughput: 434.00 Mbit/s

95th percentile per-packet one-way delay: 208.124 ms

Loss rate: 2.61%

Run 10: Report of TCP BBR — Data Link

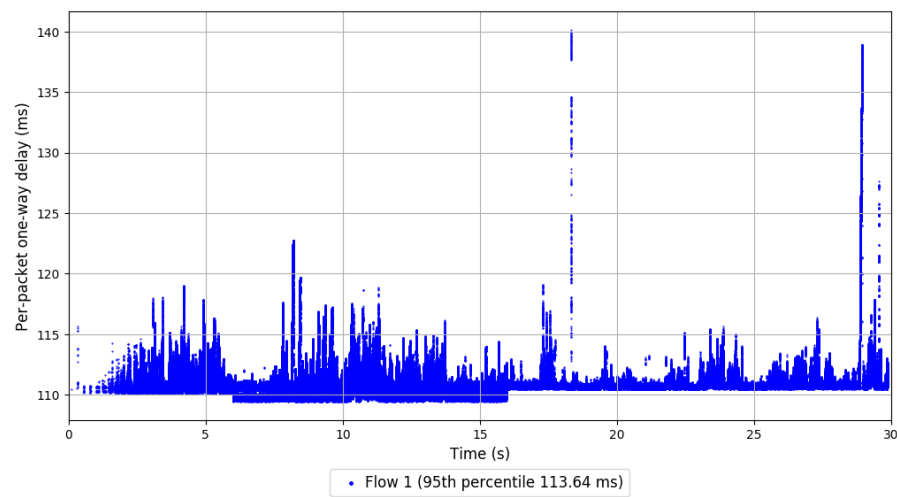
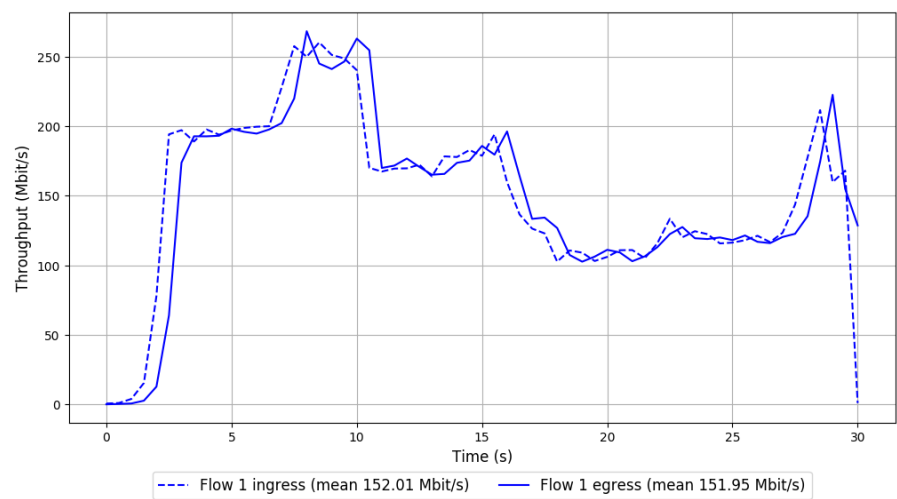


Run 1: Statistics of Copa

Start at: 2018-08-10 10:31:17
End at: 2018-08-10 10:31:47
Local clock offset: -0.743 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-10 14:30:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.95 Mbit/s
95th percentile per-packet one-way delay: 113.636 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 151.95 Mbit/s
95th percentile per-packet one-way delay: 113.636 ms
Loss rate: 0.79%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-10 10:53:28

End at: 2018-08-10 10:53:58

Local clock offset: -0.374 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-08-10 14:30:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.14 Mbit/s

95th percentile per-packet one-way delay: 115.850 ms

Loss rate: 0.00%

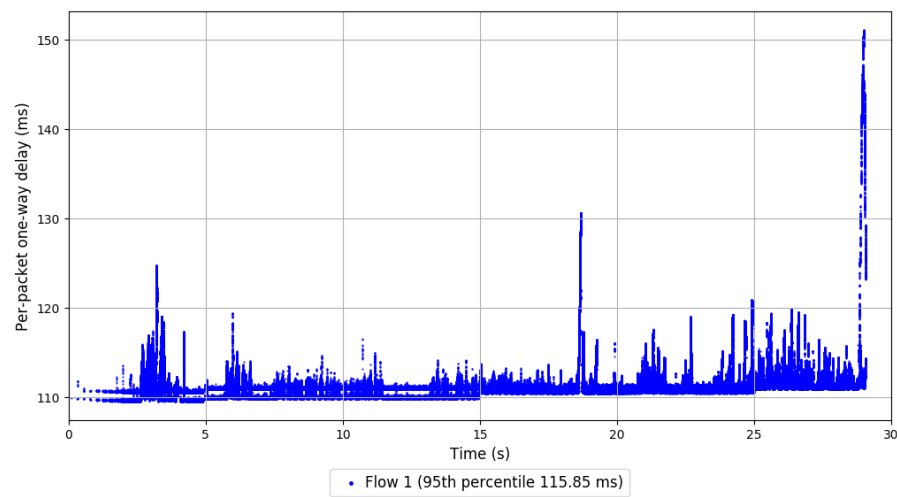
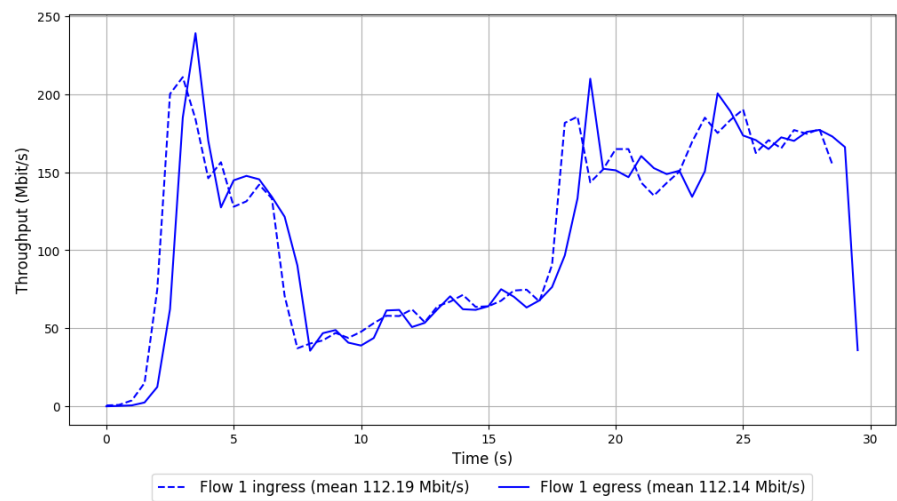
-- Flow 1:

Average throughput: 112.14 Mbit/s

95th percentile per-packet one-way delay: 115.850 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

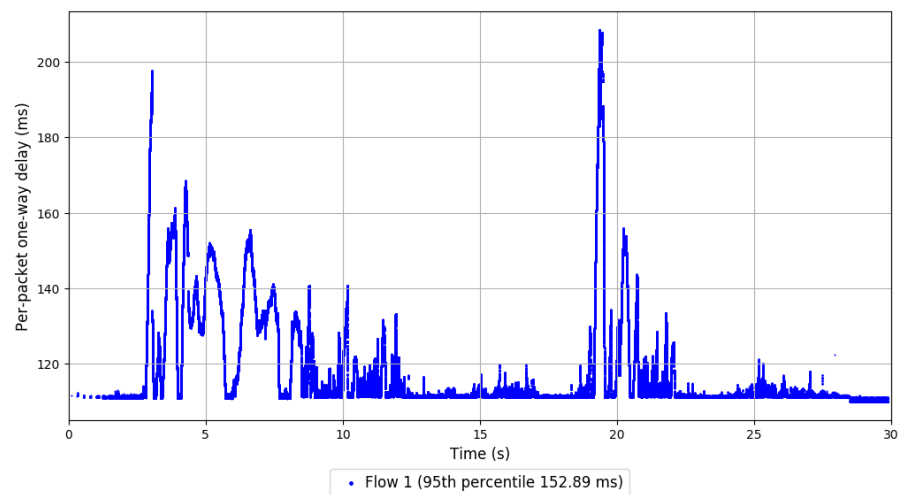
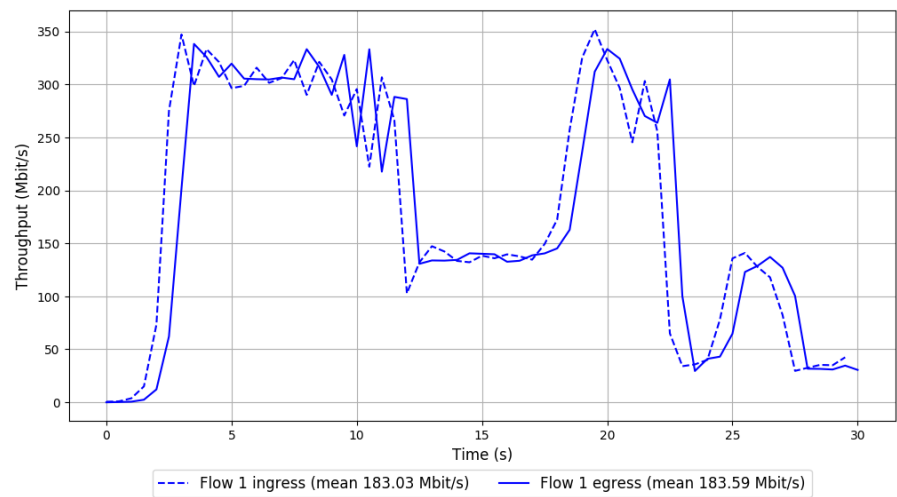


Run 3: Statistics of Copa

Start at: 2018-08-10 11:15:44
End at: 2018-08-10 11:16:14
Local clock offset: -0.145 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-08-10 14:30:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.59 Mbit/s
95th percentile per-packet one-way delay: 152.889 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 183.59 Mbit/s
95th percentile per-packet one-way delay: 152.889 ms
Loss rate: 0.41%

Run 3: Report of Copa — Data Link

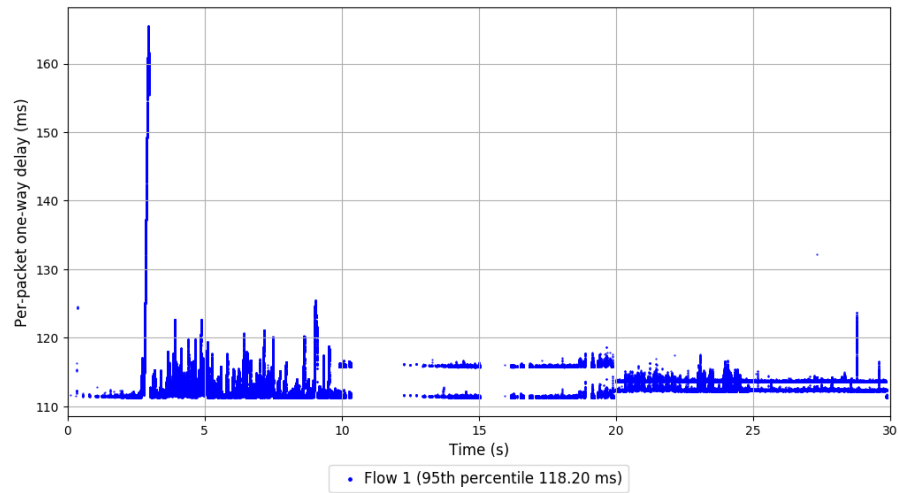
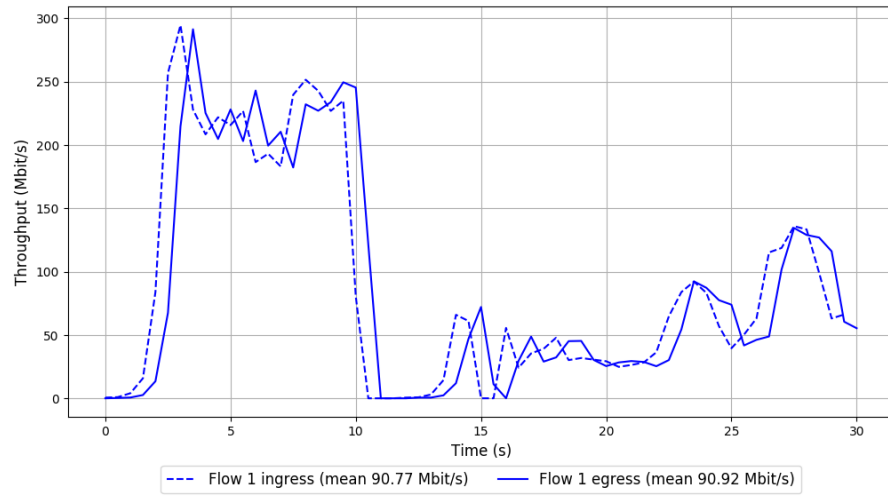


Run 4: Statistics of Copa

Start at: 2018-08-10 11:38:03
End at: 2018-08-10 11:38:33
Local clock offset: 1.271 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-08-10 14:30:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 118.197 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 118.197 ms
Loss rate: 0.58%

Run 4: Report of Copa — Data Link

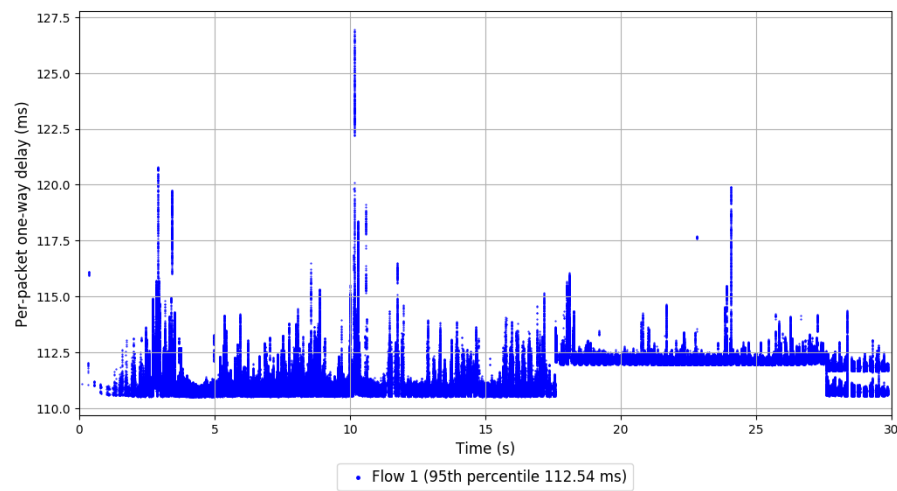
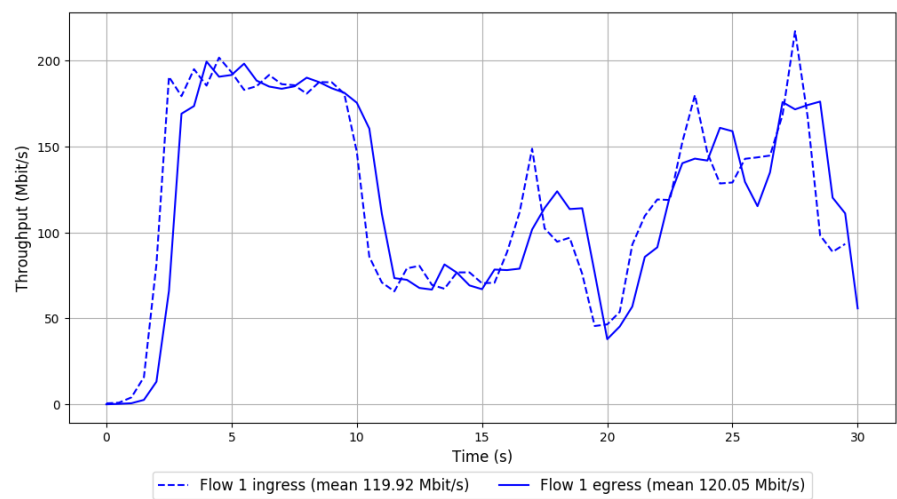


Run 5: Statistics of Copa

Start at: 2018-08-10 12:00:35
End at: 2018-08-10 12:01:05
Local clock offset: 0.745 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-08-10 14:30:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.05 Mbit/s
95th percentile per-packet one-way delay: 112.536 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 120.05 Mbit/s
95th percentile per-packet one-way delay: 112.536 ms
Loss rate: 0.63%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-10 12:23:05

End at: 2018-08-10 12:23:35

Local clock offset: 0.063 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-08-10 14:30:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.03 Mbit/s

95th percentile per-packet one-way delay: 113.350 ms

Loss rate: 0.37%

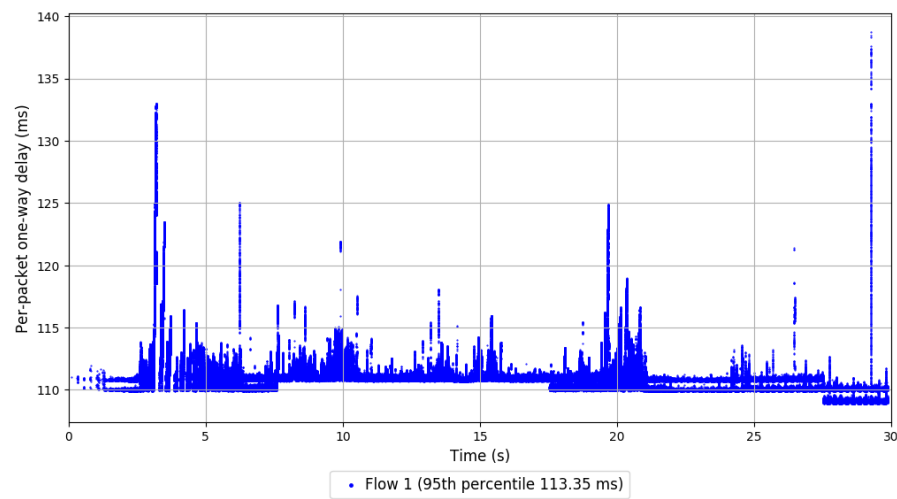
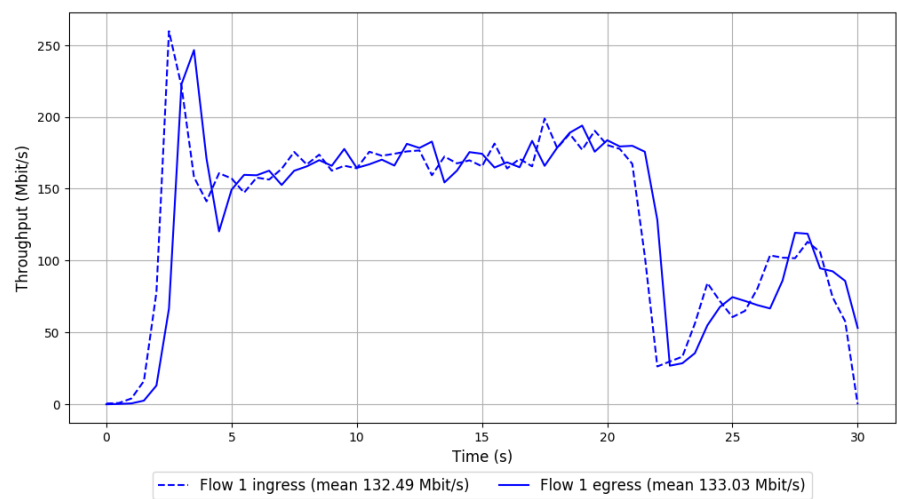
-- Flow 1:

Average throughput: 133.03 Mbit/s

95th percentile per-packet one-way delay: 113.350 ms

Loss rate: 0.37%

Run 6: Report of Copa — Data Link

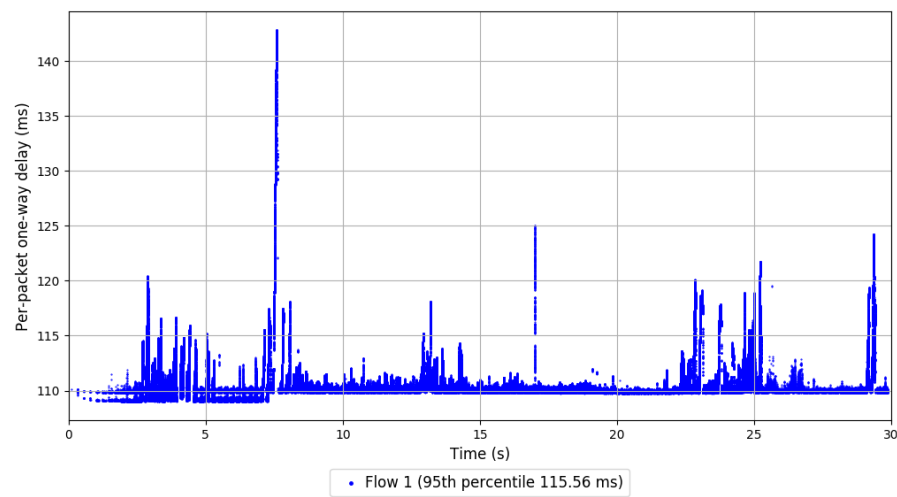
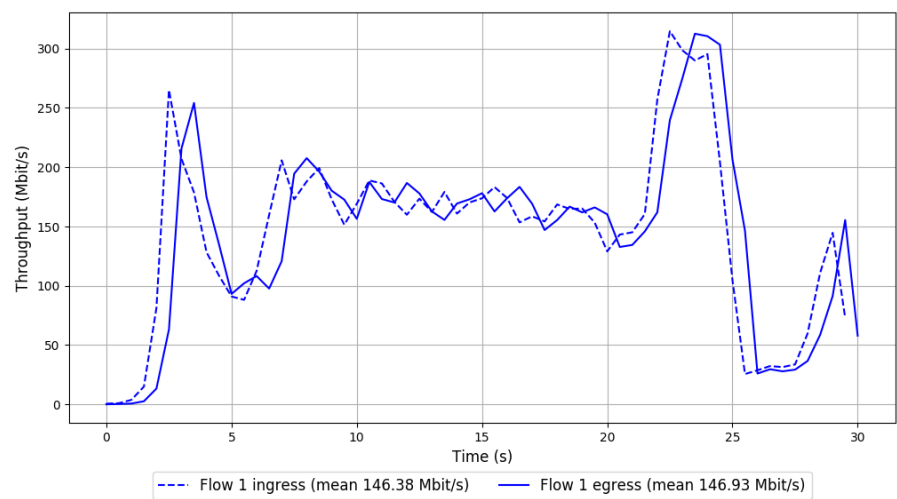


Run 7: Statistics of Copa

Start at: 2018-08-10 12:45:55
End at: 2018-08-10 12:46:25
Local clock offset: -1.43 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-08-10 14:32:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.93 Mbit/s
95th percentile per-packet one-way delay: 115.562 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 146.93 Mbit/s
95th percentile per-packet one-way delay: 115.562 ms
Loss rate: 0.37%

Run 7: Report of Copa — Data Link

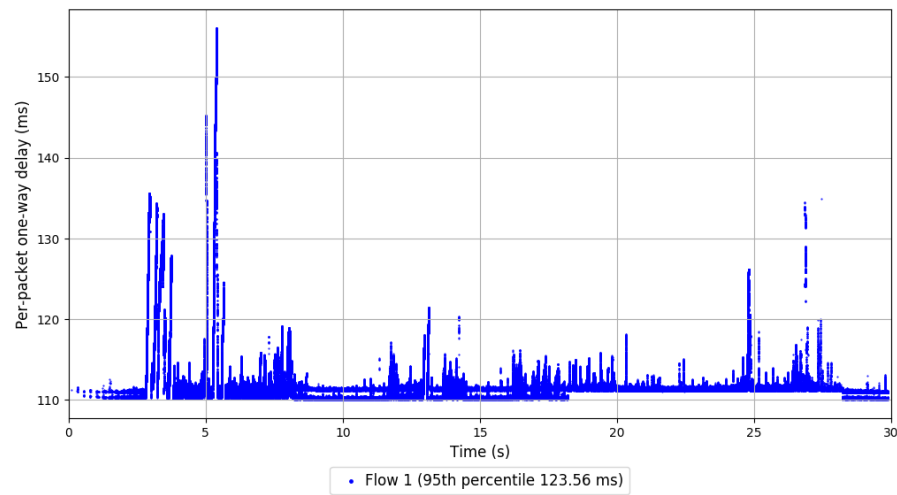
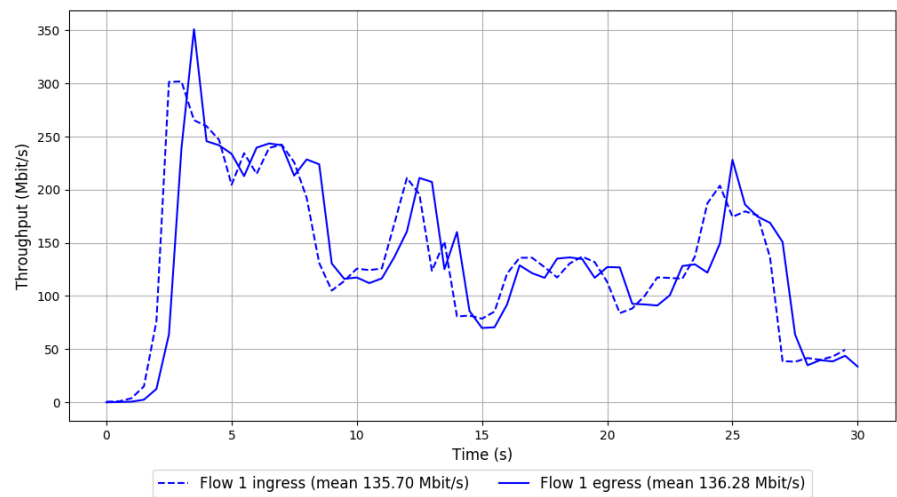


Run 8: Statistics of Copa

Start at: 2018-08-10 13:08:34
End at: 2018-08-10 13:09:04
Local clock offset: -0.141 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-08-10 14:32:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.28 Mbit/s
95th percentile per-packet one-way delay: 123.556 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 136.28 Mbit/s
95th percentile per-packet one-way delay: 123.556 ms
Loss rate: 0.31%

Run 8: Report of Copa — Data Link

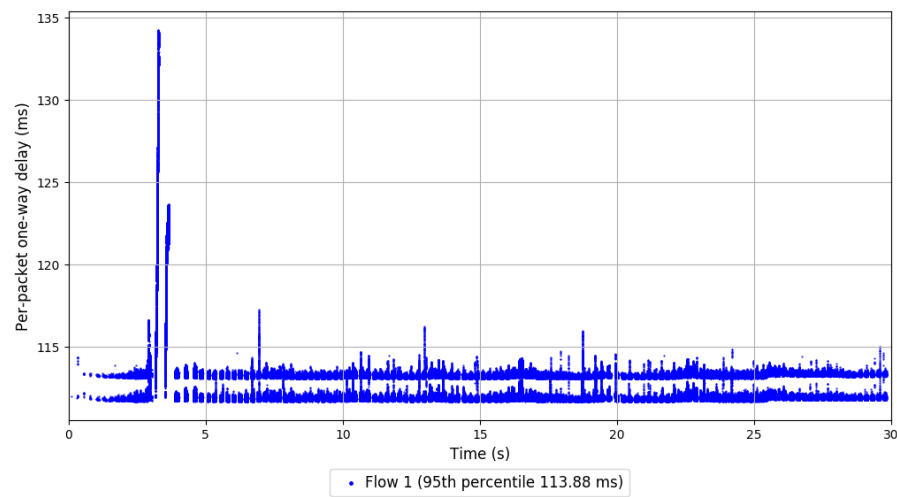
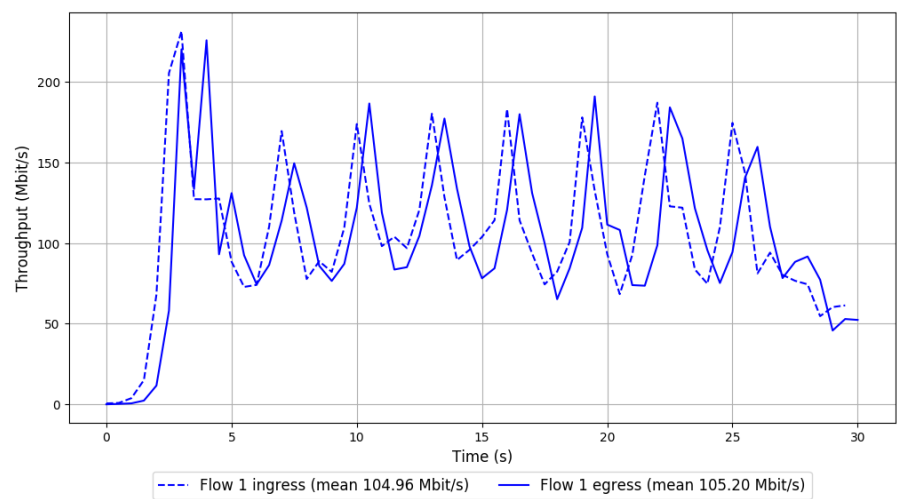


Run 9: Statistics of Copa

Start at: 2018-08-10 13:31:57
End at: 2018-08-10 13:32:27
Local clock offset: 0.136 ms
Remote clock offset: -0.512 ms

Below is generated by plot.py at 2018-08-10 14:32:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.20 Mbit/s
95th percentile per-packet one-way delay: 113.881 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 105.20 Mbit/s
95th percentile per-packet one-way delay: 113.881 ms
Loss rate: 0.52%

Run 9: Report of Copa — Data Link

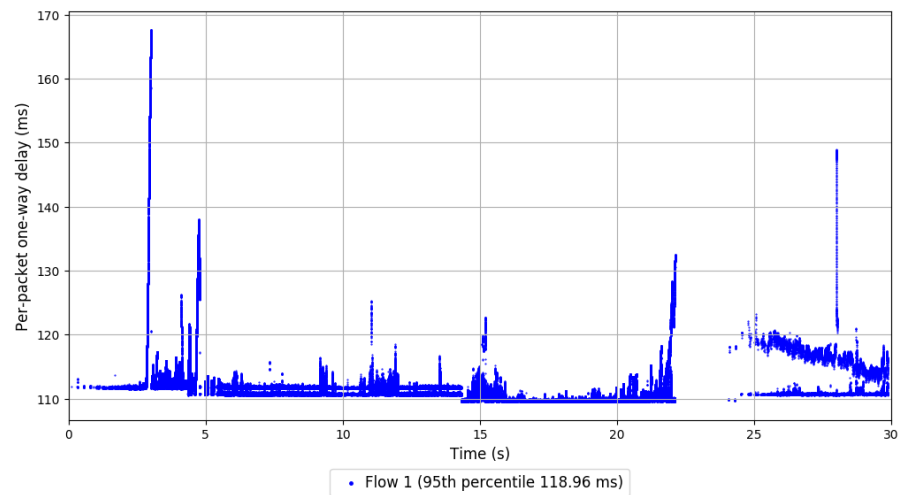
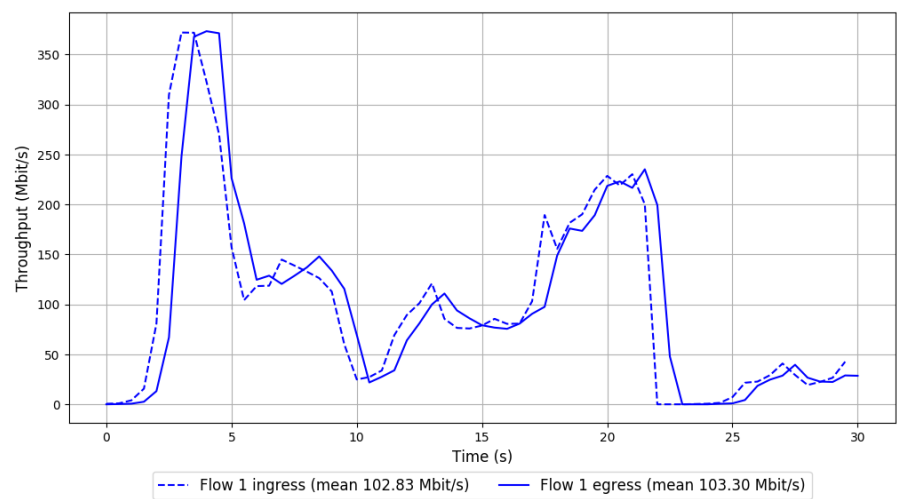


Run 10: Statistics of Copa

Start at: 2018-08-10 13:55:08
End at: 2018-08-10 13:55:38
Local clock offset: -0.616 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-08-10 14:32:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.30 Mbit/s
95th percentile per-packet one-way delay: 118.961 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 103.30 Mbit/s
95th percentile per-packet one-way delay: 118.961 ms
Loss rate: 0.29%

Run 10: Report of Copa — Data Link

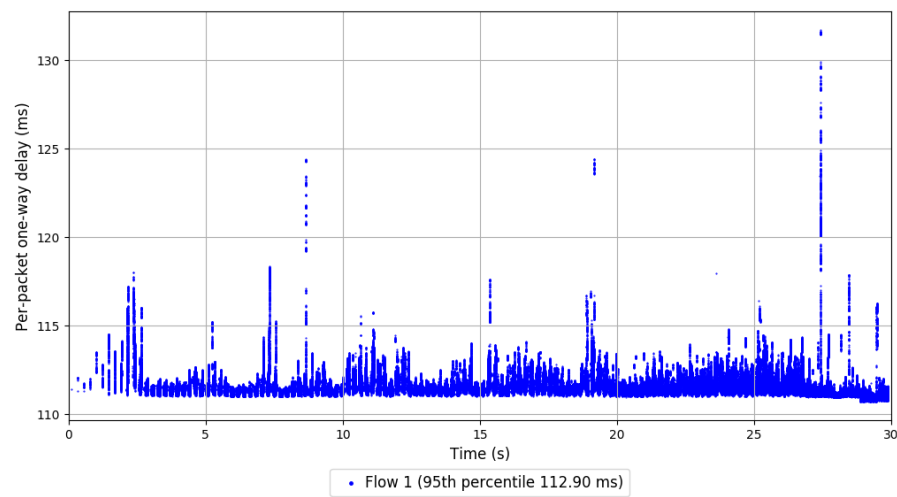
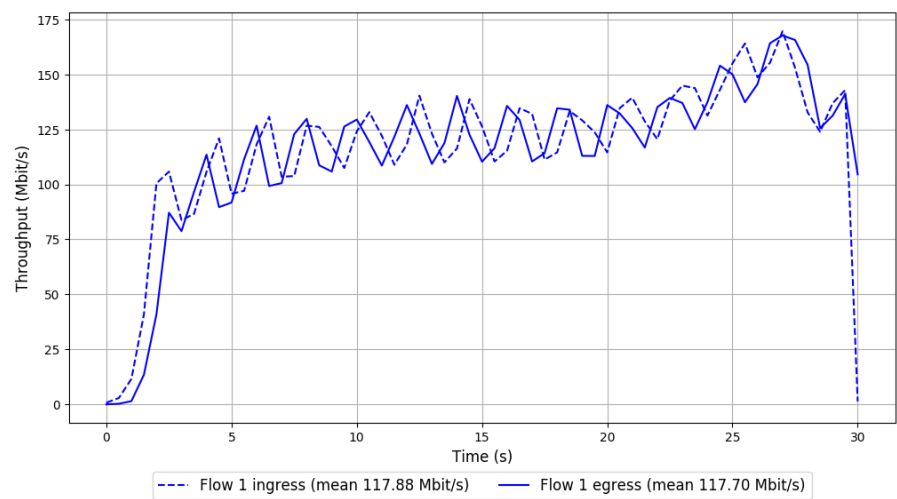


Run 1: Statistics of TCP Cubic

Start at: 2018-08-10 10:43:04
End at: 2018-08-10 10:43:34
Local clock offset: -0.242 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-08-10 14:32:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.70 Mbit/s
95th percentile per-packet one-way delay: 112.901 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 117.70 Mbit/s
95th percentile per-packet one-way delay: 112.901 ms
Loss rate: 0.89%

Run 1: Report of TCP Cubic — Data Link

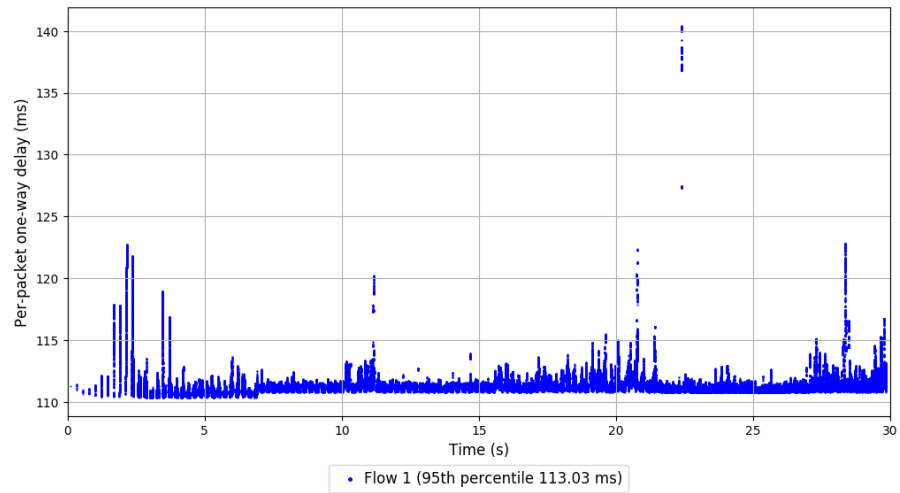
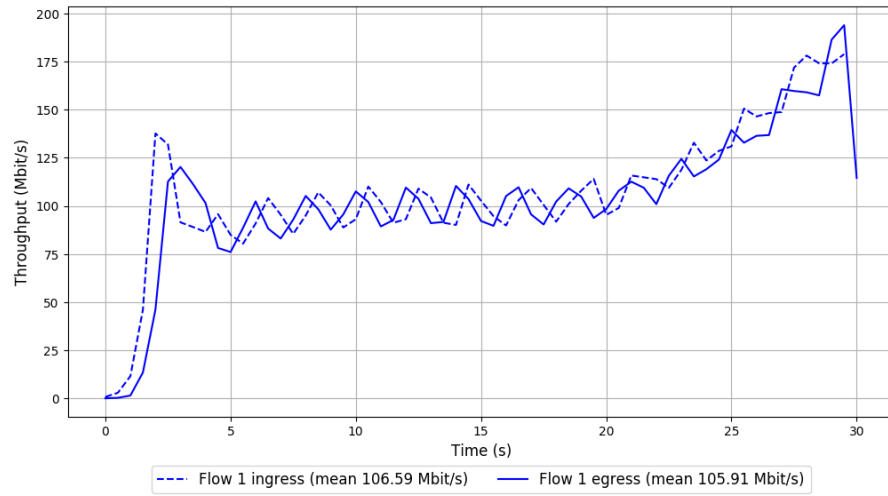


Run 2: Statistics of TCP Cubic

Start at: 2018-08-10 11:05:16
End at: 2018-08-10 11:05:46
Local clock offset: -0.614 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-10 14:32:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.91 Mbit/s
95th percentile per-packet one-way delay: 113.028 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 105.91 Mbit/s
95th percentile per-packet one-way delay: 113.028 ms
Loss rate: 1.37%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-10 11:27:38

End at: 2018-08-10 11:28:08

Local clock offset: -0.687 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-08-10 14:32:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 114.356 ms

Loss rate: 0.84%

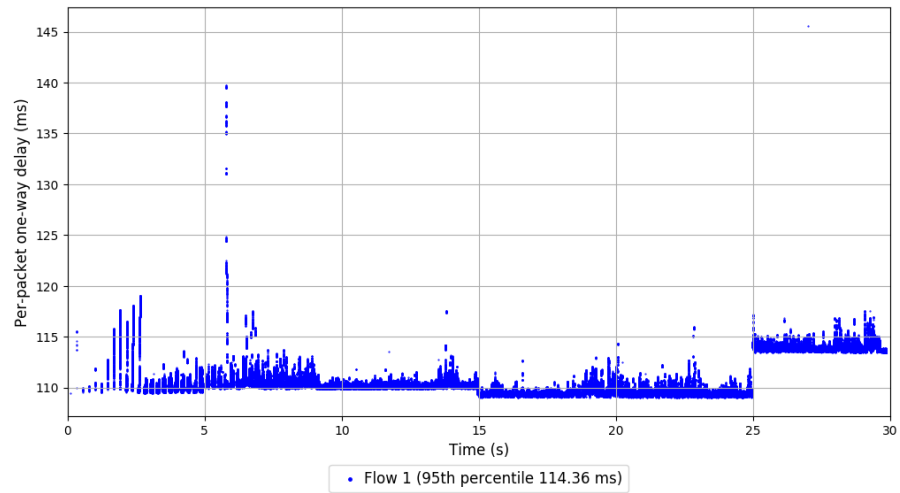
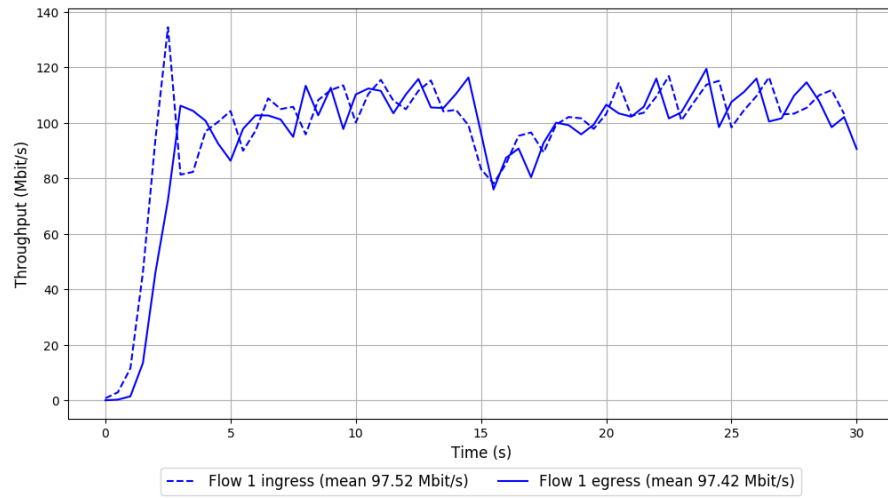
-- Flow 1:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 114.356 ms

Loss rate: 0.84%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-10 11:49:39

End at: 2018-08-10 11:50:09

Local clock offset: -0.657 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-08-10 14:33:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.96 Mbit/s

95th percentile per-packet one-way delay: 110.989 ms

Loss rate: 1.20%

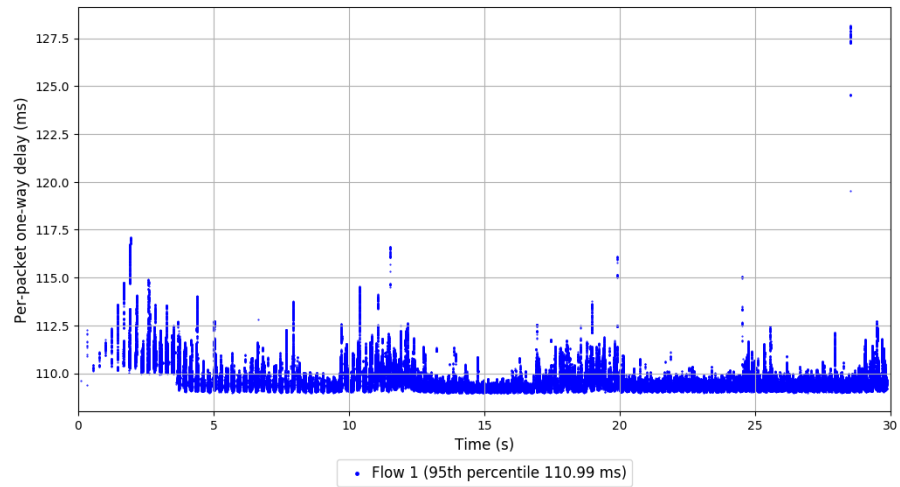
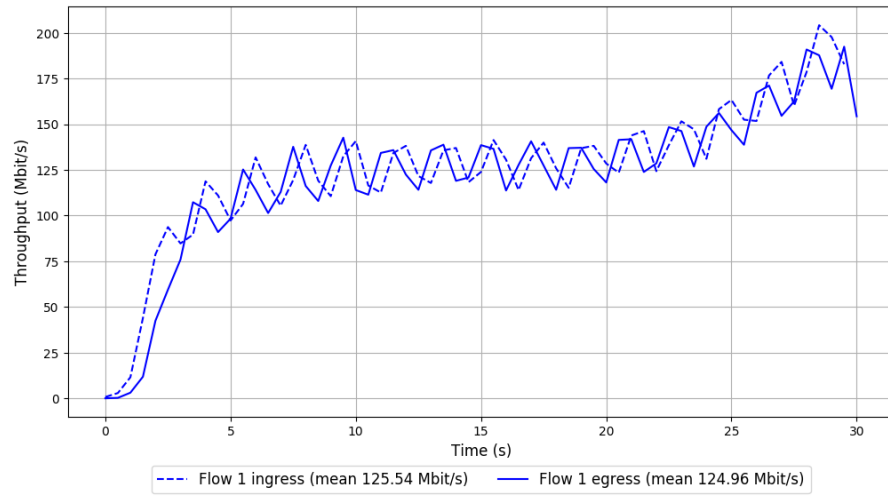
-- Flow 1:

Average throughput: 124.96 Mbit/s

95th percentile per-packet one-way delay: 110.989 ms

Loss rate: 1.20%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-10 12:12:19

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

Local clock offset: 0.071 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-08-10 14:34:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.69 Mbit/s

95th percentile per-packet one-way delay: 114.381 ms

Loss rate: 0.66%

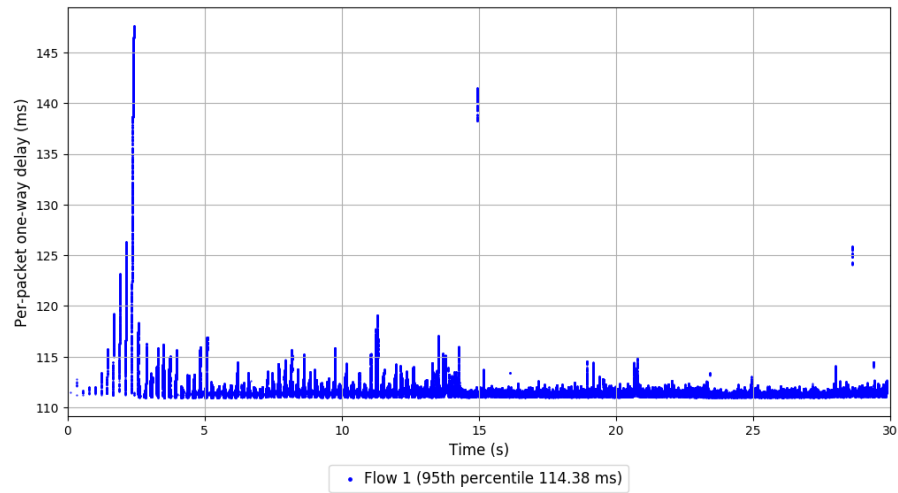
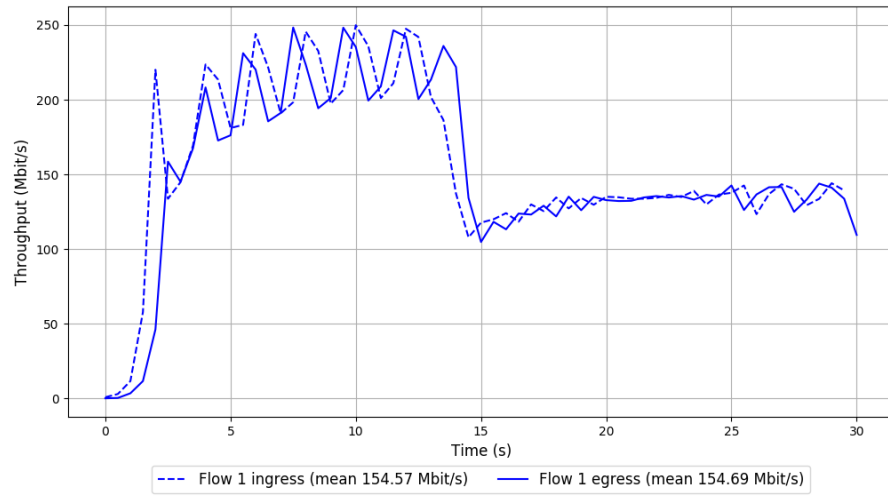
-- Flow 1:

Average throughput: 154.69 Mbit/s

95th percentile per-packet one-way delay: 114.381 ms

Loss rate: 0.66%

Run 5: Report of TCP Cubic — Data Link

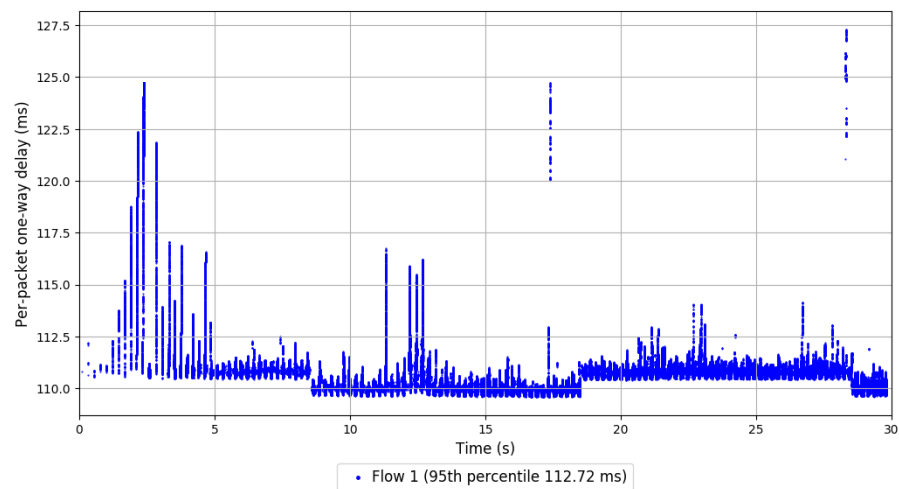
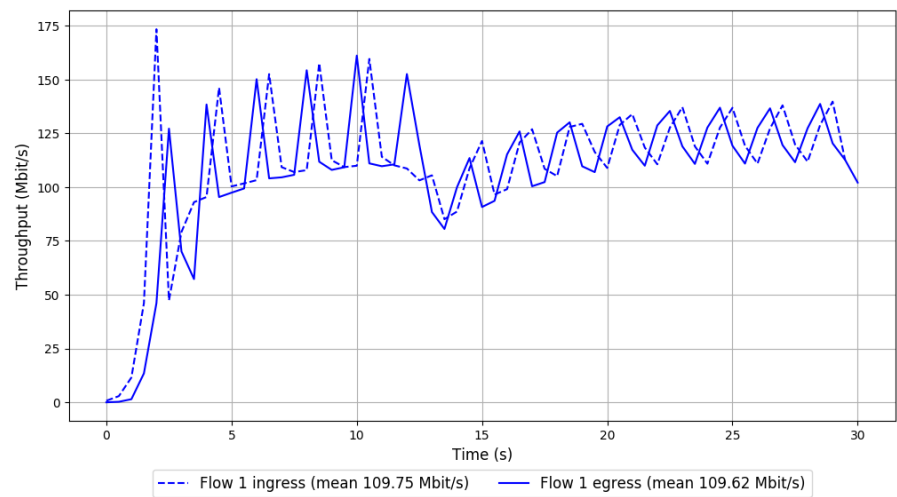


Run 6: Statistics of TCP Cubic

Start at: 2018-08-10 12:34:54
End at: 2018-08-10 12:35:24
Local clock offset: -0.738 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-08-10 14:34:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.62 Mbit/s
95th percentile per-packet one-way delay: 112.715 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 109.62 Mbit/s
95th percentile per-packet one-way delay: 112.715 ms
Loss rate: 0.86%

Run 6: Report of TCP Cubic — Data Link

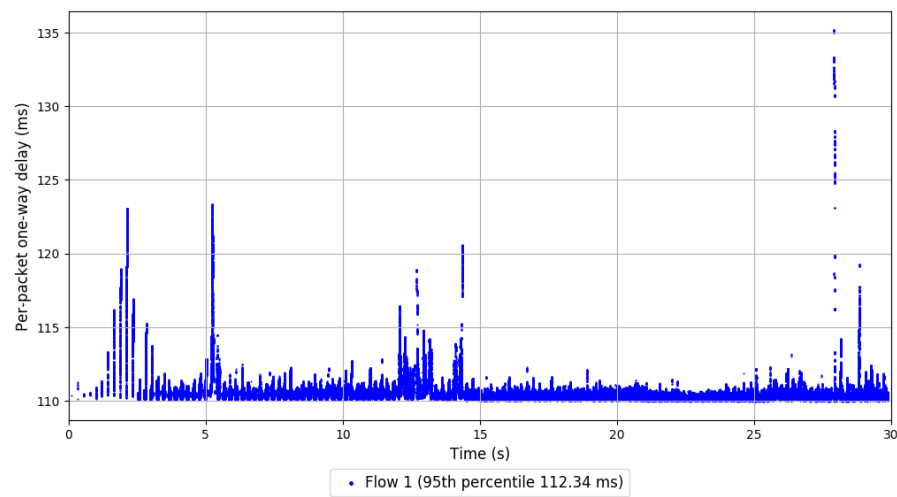
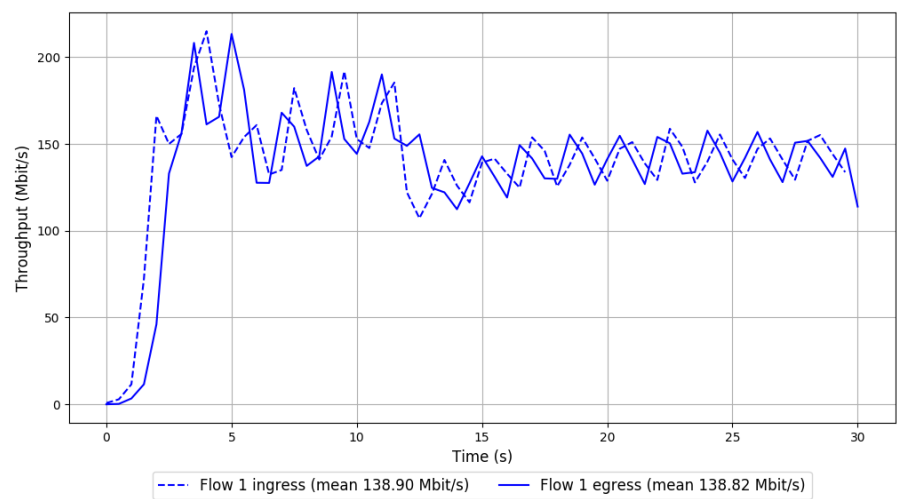


Run 7: Statistics of TCP Cubic

Start at: 2018-08-10 12:57:39
End at: 2018-08-10 12:58:09
Local clock offset: -0.646 ms
Remote clock offset: -0.591 ms

Below is generated by plot.py at 2018-08-10 14:34:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.82 Mbit/s
95th percentile per-packet one-way delay: 112.336 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 138.82 Mbit/s
95th percentile per-packet one-way delay: 112.336 ms
Loss rate: 0.79%

Run 7: Report of TCP Cubic — Data Link

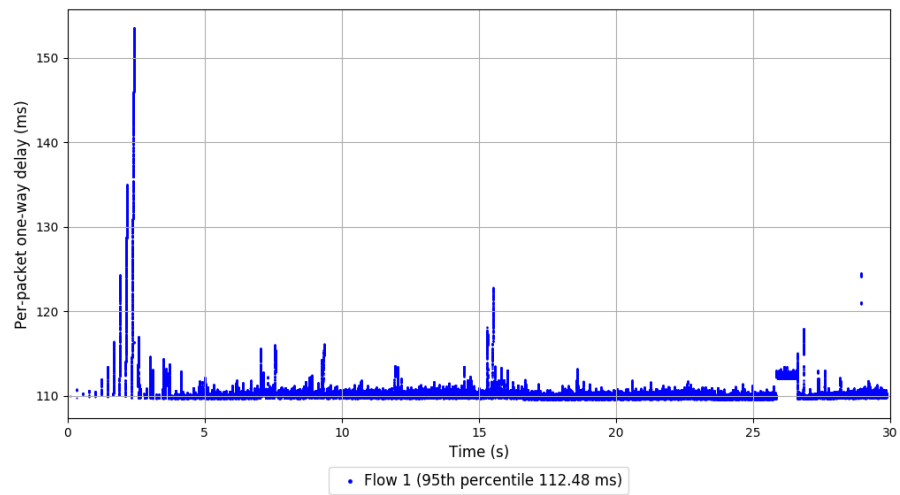
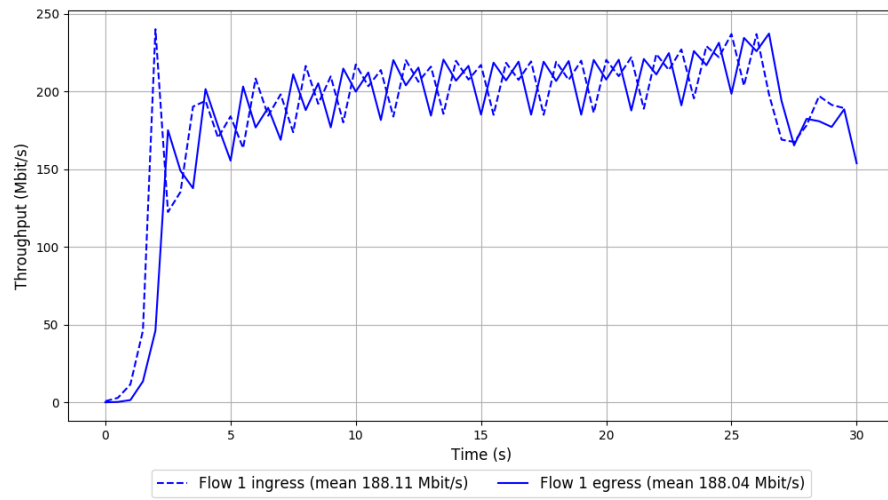


Run 8: Statistics of TCP Cubic

Start at: 2018-08-10 13:20:46
End at: 2018-08-10 13:21:16
Local clock offset: -0.689 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-08-10 14:35:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.04 Mbit/s
95th percentile per-packet one-way delay: 112.480 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 188.04 Mbit/s
95th percentile per-packet one-way delay: 112.480 ms
Loss rate: 0.78%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-10 13:43:54

End at: 2018-08-10 13:44:24

Local clock offset: -0.066 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-08-10 14:35:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.95 Mbit/s

95th percentile per-packet one-way delay: 120.818 ms

Loss rate: 0.89%

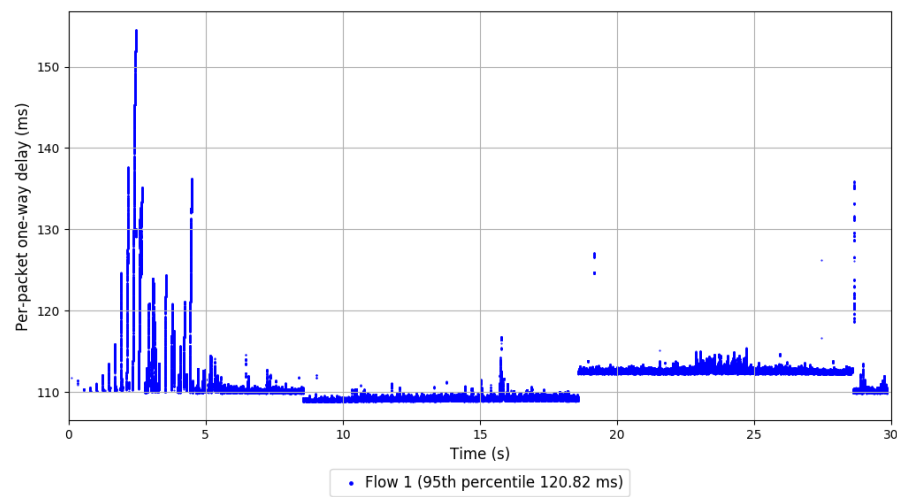
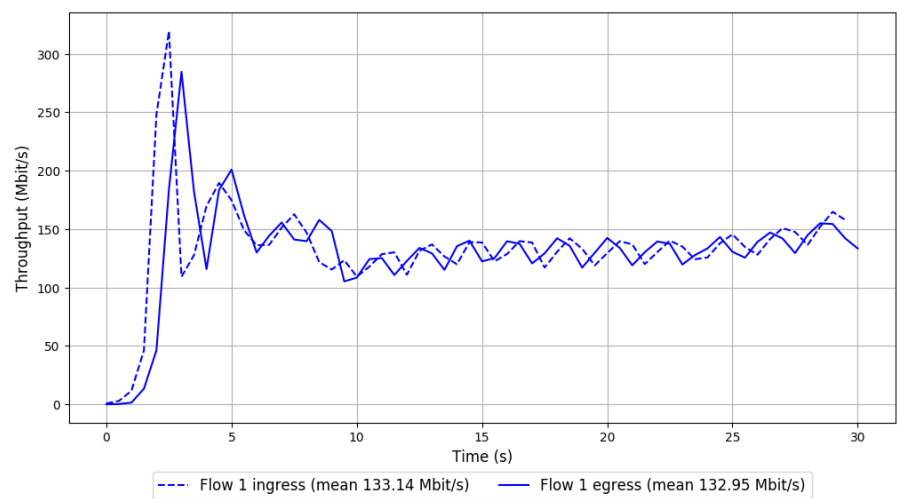
-- Flow 1:

Average throughput: 132.95 Mbit/s

95th percentile per-packet one-way delay: 120.818 ms

Loss rate: 0.89%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-10 14:06:55

End at: 2018-08-10 14:07:25

Local clock offset: -0.085 ms

Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-10 14:35:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.53 Mbit/s

95th percentile per-packet one-way delay: 112.729 ms

Loss rate: 1.00%

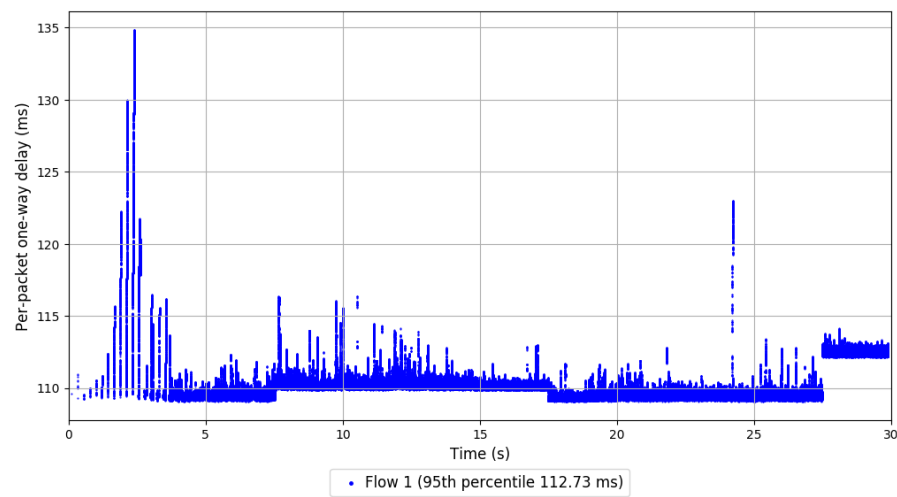
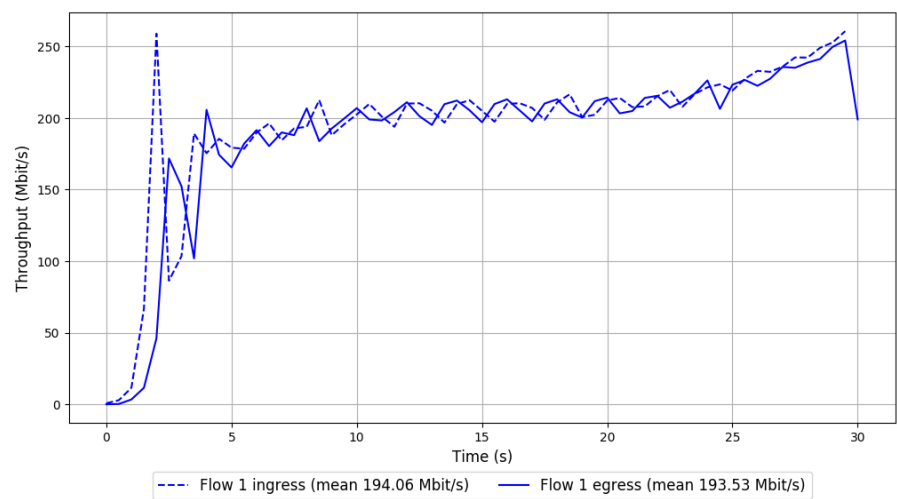
-- Flow 1:

Average throughput: 193.53 Mbit/s

95th percentile per-packet one-way delay: 112.729 ms

Loss rate: 1.00%

Run 10: Report of TCP Cubic — Data Link

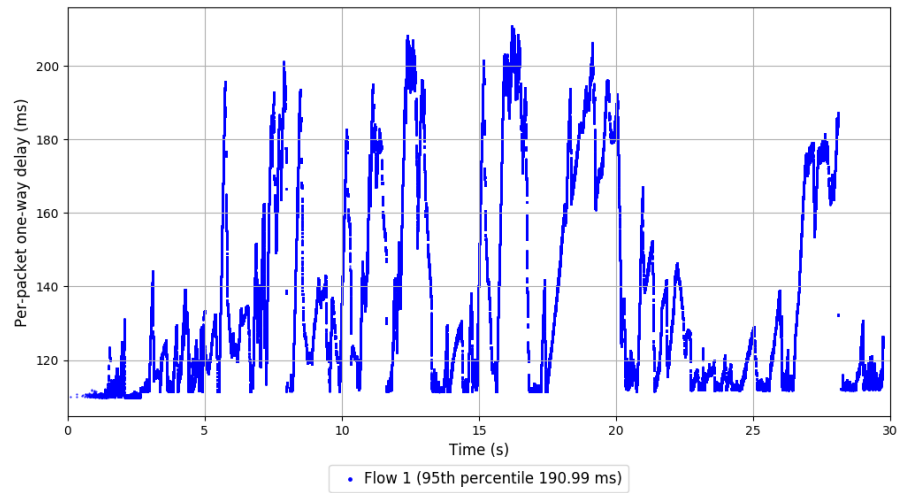
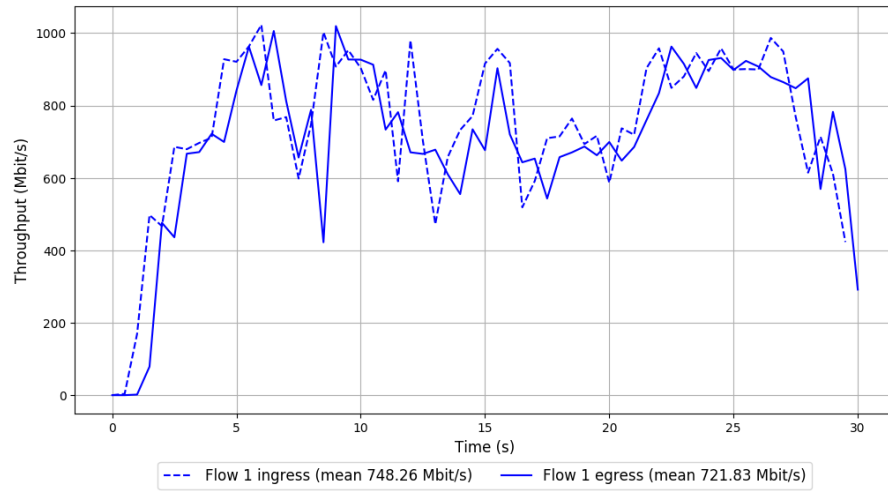


Run 1: Statistics of FillP

Start at: 2018-08-10 10:34:00
End at: 2018-08-10 10:34:30
Local clock offset: 0.456 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-08-10 14:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 721.83 Mbit/s
95th percentile per-packet one-way delay: 190.988 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 721.83 Mbit/s
95th percentile per-packet one-way delay: 190.988 ms
Loss rate: 4.24%

Run 1: Report of FillP — Data Link

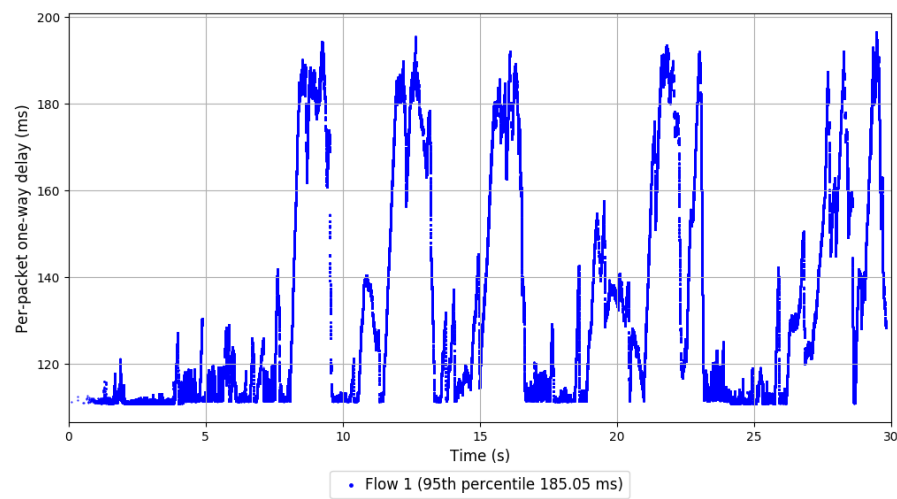
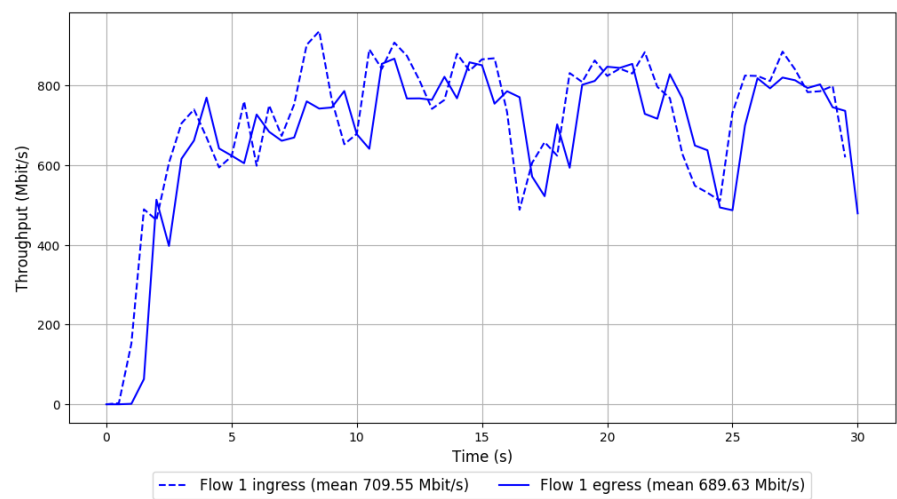


Run 2: Statistics of FillP

Start at: 2018-08-10 10:56:08
End at: 2018-08-10 10:56:38
Local clock offset: -0.5 ms
Remote clock offset: -0.554 ms

Below is generated by plot.py at 2018-08-10 14:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 689.63 Mbit/s
95th percentile per-packet one-way delay: 185.046 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 689.63 Mbit/s
95th percentile per-packet one-way delay: 185.046 ms
Loss rate: 3.53%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-10 11:18:33

End at: 2018-08-10 11:19:03

Local clock offset: -0.088 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-08-10 14:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 703.98 Mbit/s

95th percentile per-packet one-way delay: 186.717 ms

Loss rate: 4.13%

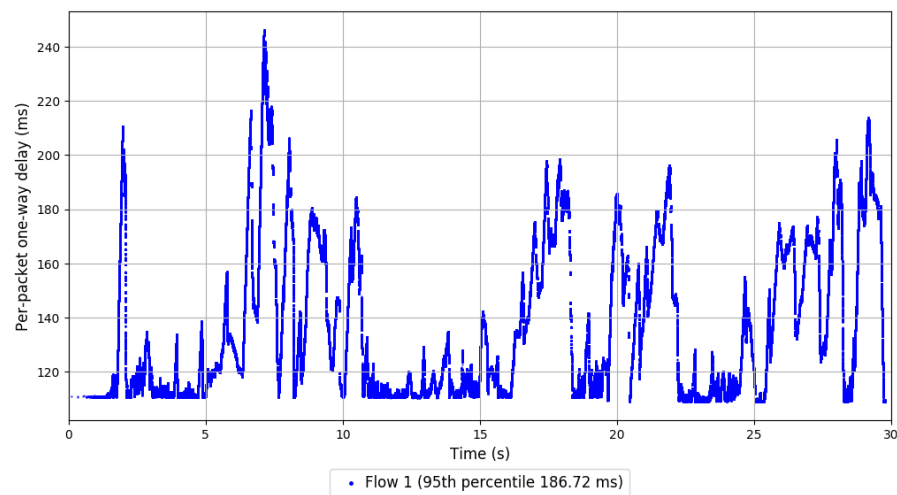
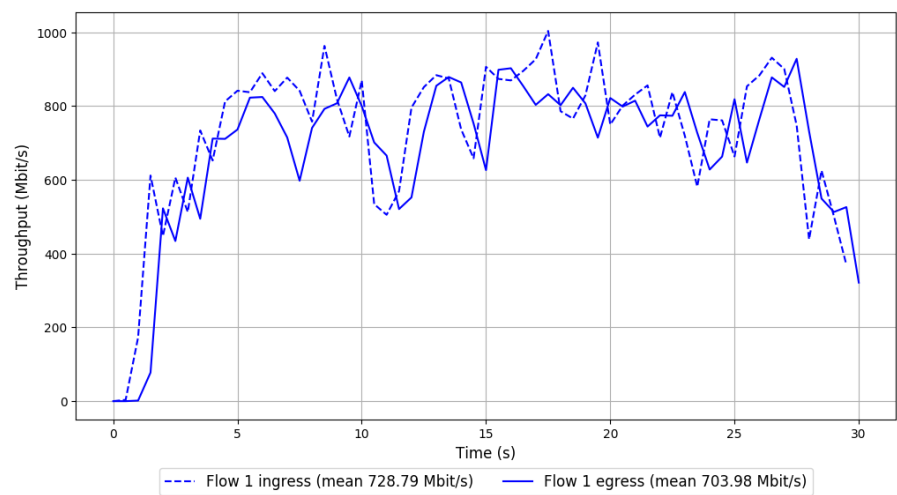
-- Flow 1:

Average throughput: 703.98 Mbit/s

95th percentile per-packet one-way delay: 186.717 ms

Loss rate: 4.13%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-10 11:40:41

End at: 2018-08-10 11:41:11

Local clock offset: 0.716 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-08-10 14:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 621.58 Mbit/s

95th percentile per-packet one-way delay: 161.801 ms

Loss rate: 1.25%

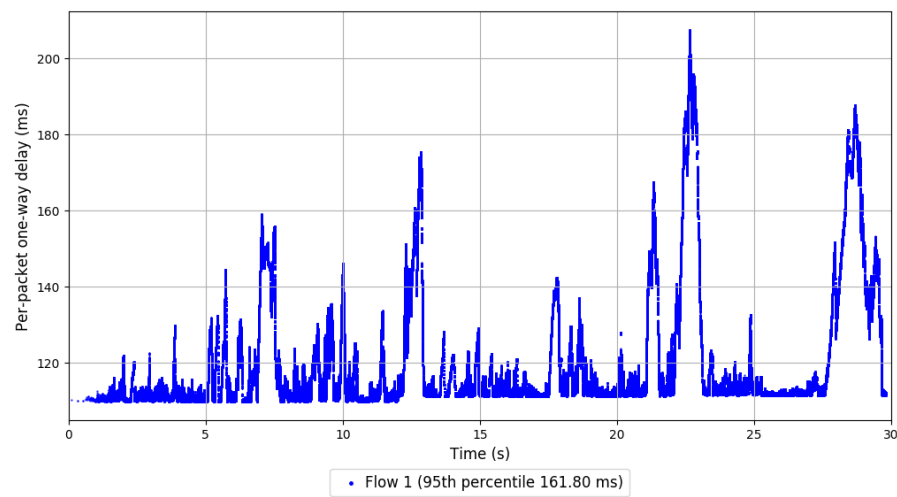
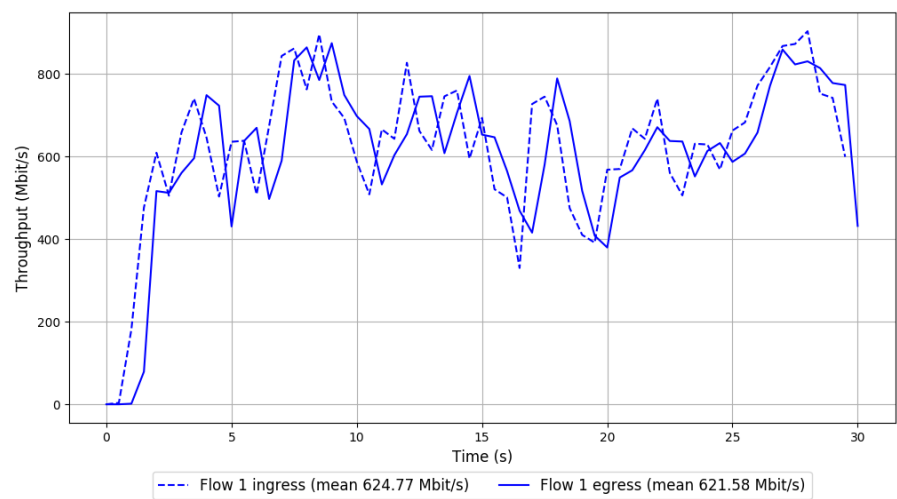
-- Flow 1:

Average throughput: 621.58 Mbit/s

95th percentile per-packet one-way delay: 161.801 ms

Loss rate: 1.25%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-10 12:03:08

End at: 2018-08-10 12:03:38

Local clock offset: 0.212 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-08-10 14:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 696.22 Mbit/s

95th percentile per-packet one-way delay: 198.908 ms

Loss rate: 7.65%

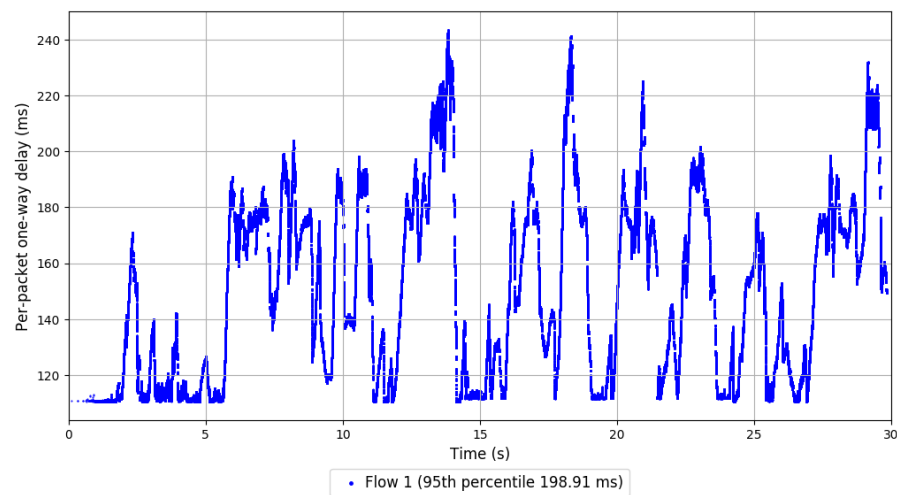
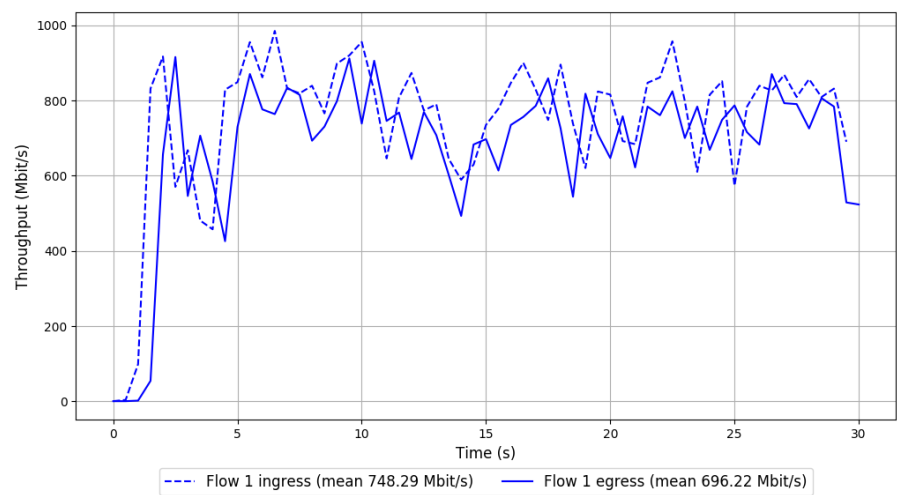
-- Flow 1:

Average throughput: 696.22 Mbit/s

95th percentile per-packet one-way delay: 198.908 ms

Loss rate: 7.65%

Run 5: Report of FillP — Data Link

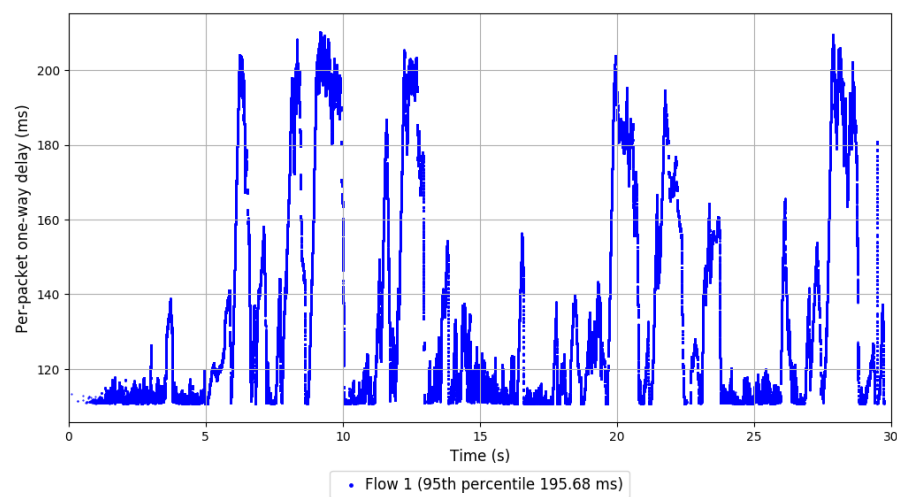
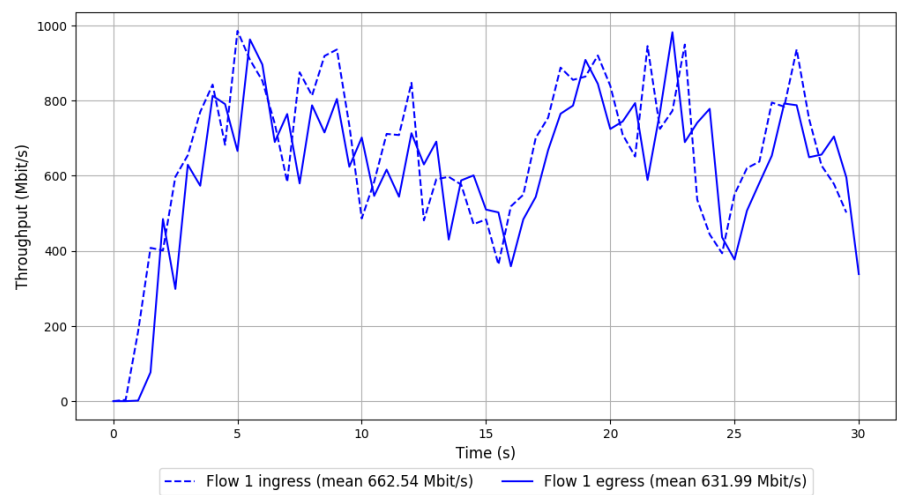


Run 6: Statistics of FillP

Start at: 2018-08-10 12:25:47
End at: 2018-08-10 12:26:17
Local clock offset: 0.411 ms
Remote clock offset: -0.556 ms

Below is generated by plot.py at 2018-08-10 14:49:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 631.99 Mbit/s
95th percentile per-packet one-way delay: 195.677 ms
Loss rate: 5.33%
-- Flow 1:
Average throughput: 631.99 Mbit/s
95th percentile per-packet one-way delay: 195.677 ms
Loss rate: 5.33%

Run 6: Report of FillP — Data Link

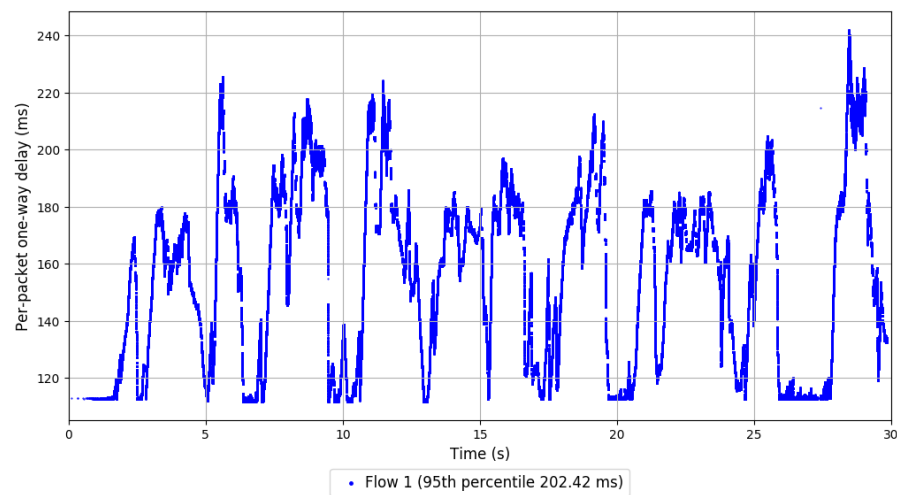
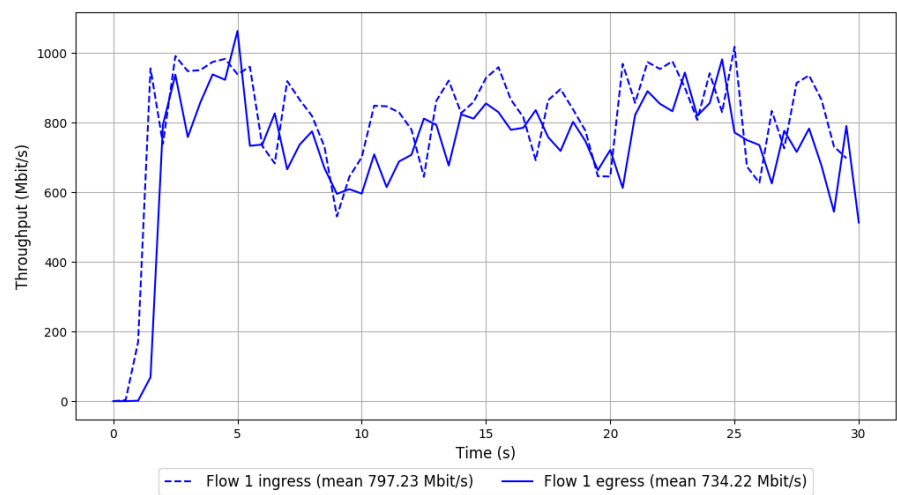


Run 7: Statistics of FillP

Start at: 2018-08-10 12:48:28
End at: 2018-08-10 12:48:58
Local clock offset: 1.119 ms
Remote clock offset: -0.591 ms

Below is generated by plot.py at 2018-08-10 14:50:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 734.22 Mbit/s
95th percentile per-packet one-way delay: 202.416 ms
Loss rate: 8.59%
-- Flow 1:
Average throughput: 734.22 Mbit/s
95th percentile per-packet one-way delay: 202.416 ms
Loss rate: 8.59%

Run 7: Report of FillP — Data Link

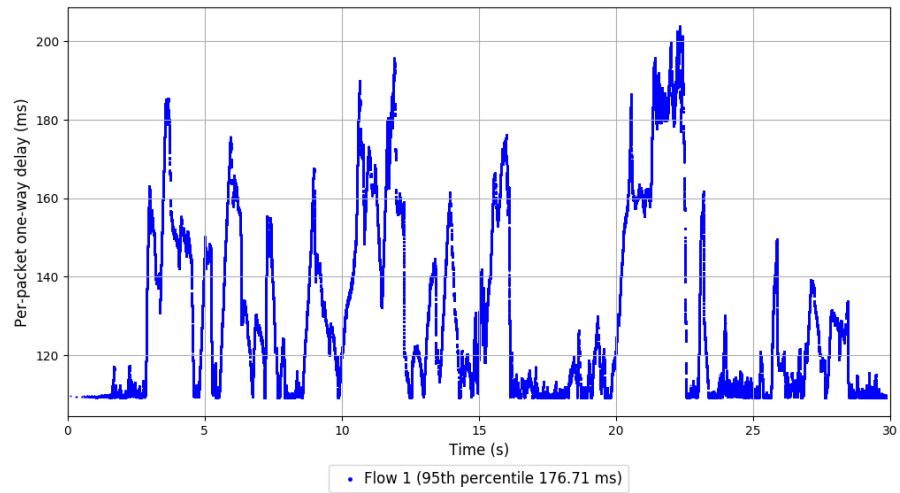
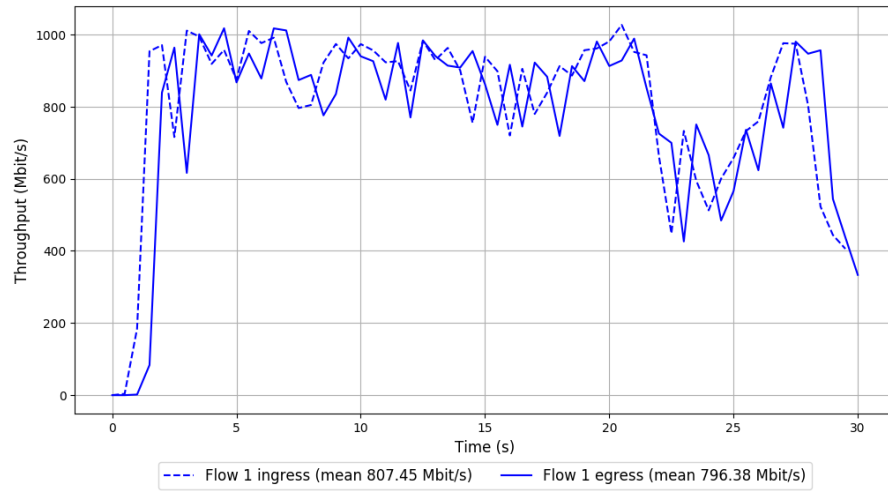


Run 8: Statistics of FillP

Start at: 2018-08-10 13:11:13
End at: 2018-08-10 13:11:43
Local clock offset: -1.309 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2018-08-10 14:51:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 796.38 Mbit/s
95th percentile per-packet one-way delay: 176.707 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 796.38 Mbit/s
95th percentile per-packet one-way delay: 176.707 ms
Loss rate: 2.10%

Run 8: Report of FillP — Data Link

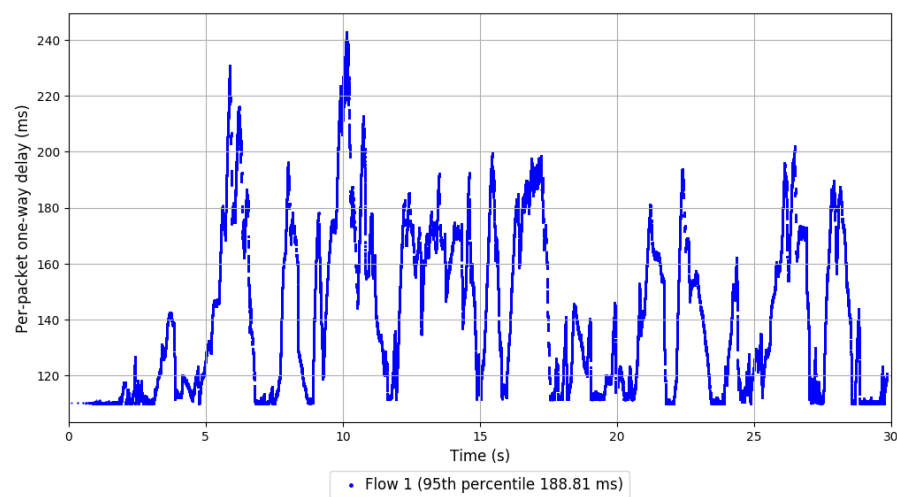
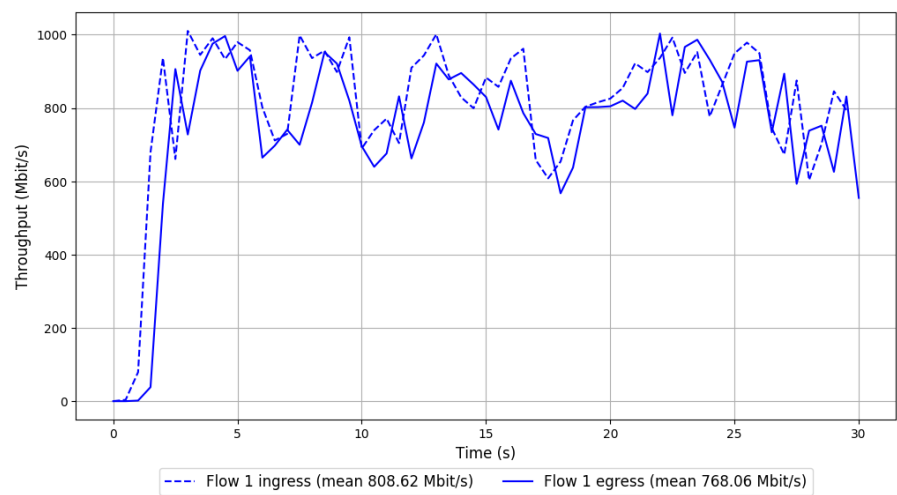


Run 9: Statistics of FillP

Start at: 2018-08-10 13:34:41
End at: 2018-08-10 13:35:11
Local clock offset: -0.086 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-08-10 15:03:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 768.06 Mbit/s
95th percentile per-packet one-way delay: 188.812 ms
Loss rate: 5.72%
-- Flow 1:
Average throughput: 768.06 Mbit/s
95th percentile per-packet one-way delay: 188.812 ms
Loss rate: 5.72%

Run 9: Report of FillP — Data Link

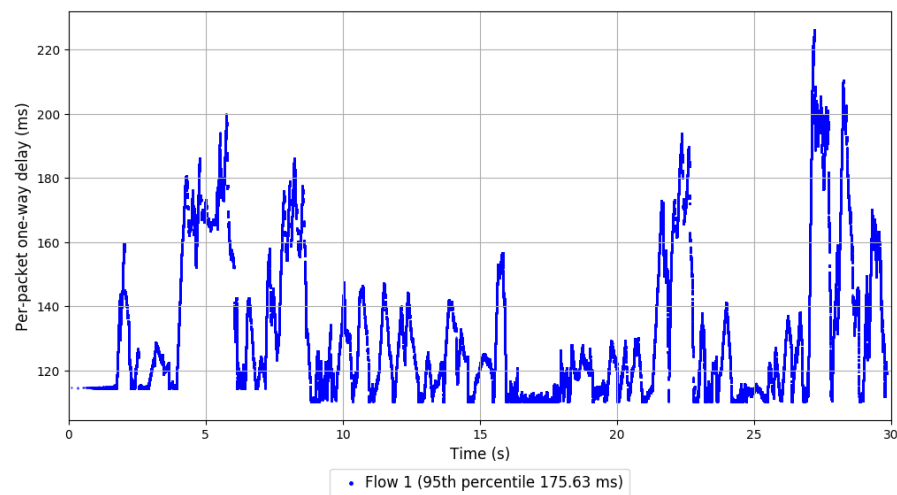
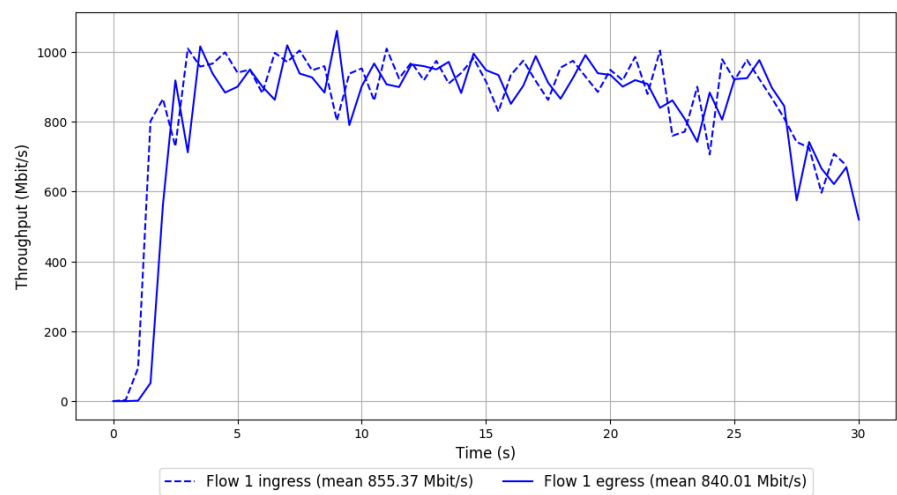


Run 10: Statistics of FillP

Start at: 2018-08-10 13:57:35
End at: 2018-08-10 13:58:05
Local clock offset: 0.12 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-10 15:04:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 840.01 Mbit/s
95th percentile per-packet one-way delay: 175.626 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 840.01 Mbit/s
95th percentile per-packet one-way delay: 175.626 ms
Loss rate: 2.54%

Run 10: Report of FillP — Data Link

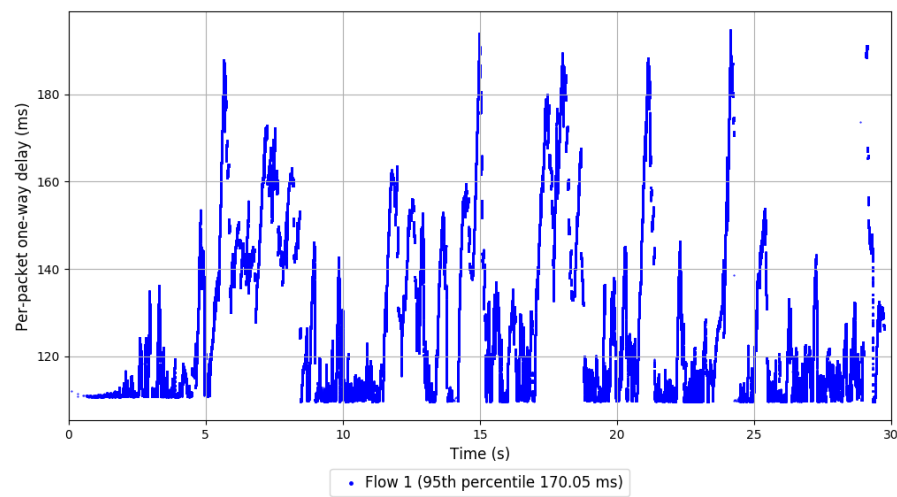
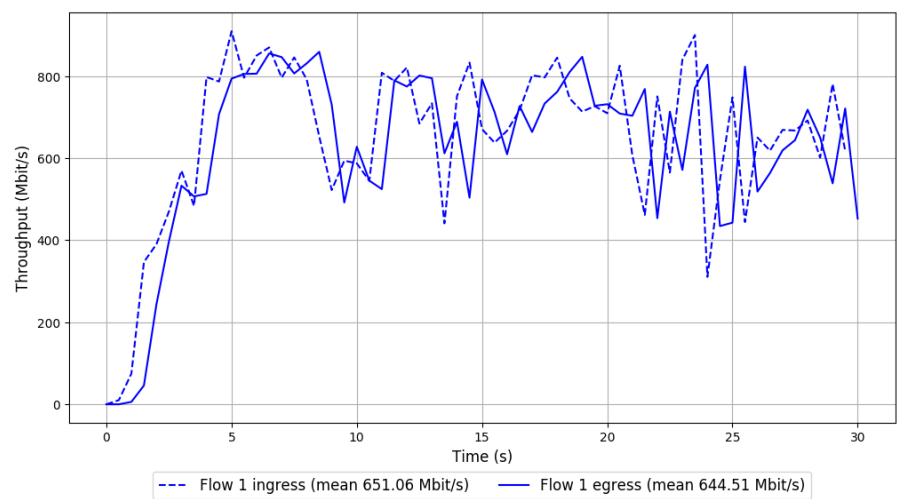


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-10 10:21:46
End at: 2018-08-10 10:22:16
Local clock offset: -0.692 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-08-10 15:04:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 644.51 Mbit/s
95th percentile per-packet one-way delay: 170.047 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 644.51 Mbit/s
95th percentile per-packet one-way delay: 170.047 ms
Loss rate: 1.75%

Run 1: Report of FillP-Sheep — Data Link

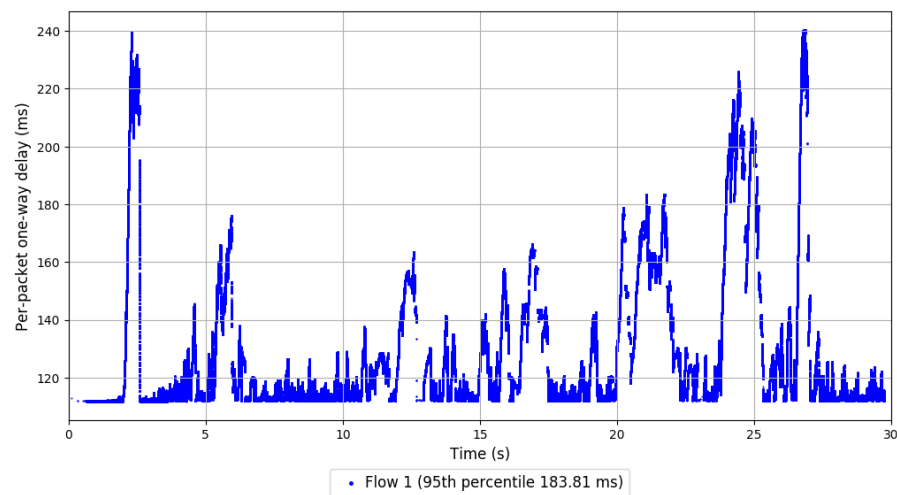
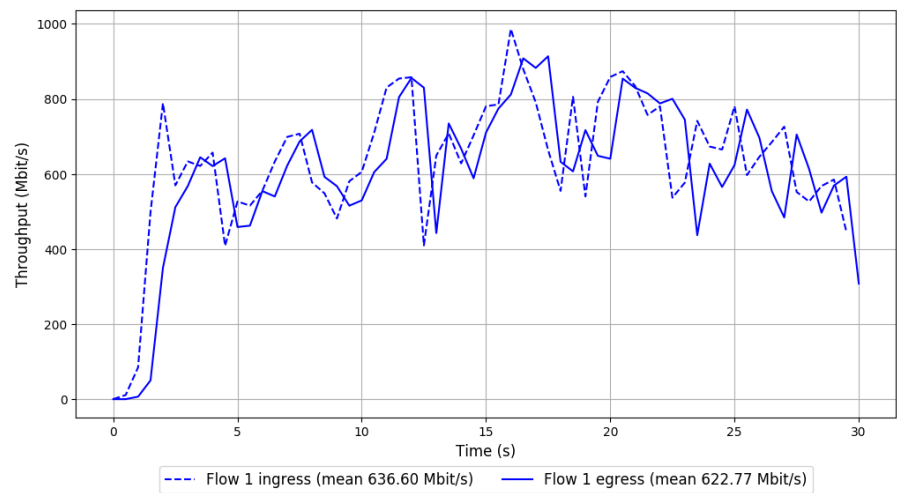


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-10 10:44:18
End at: 2018-08-10 10:44:48
Local clock offset: 0.66 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-08-10 15:04:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 622.77 Mbit/s
95th percentile per-packet one-way delay: 183.812 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 622.77 Mbit/s
95th percentile per-packet one-way delay: 183.812 ms
Loss rate: 2.92%

Run 2: Report of FillP-Sheep — Data Link

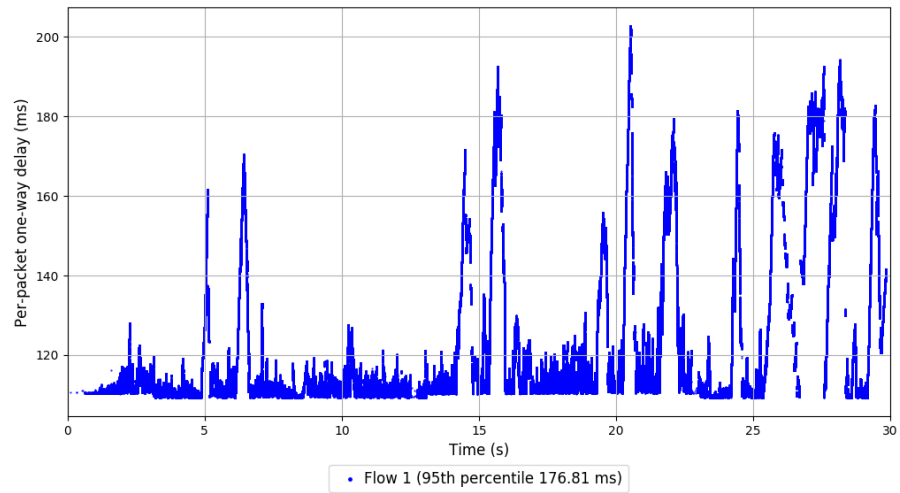
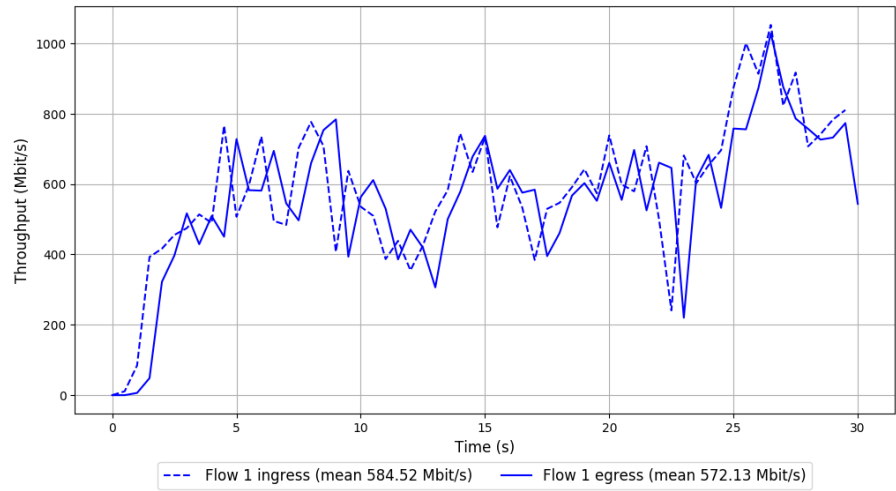


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-10 11:06:29
End at: 2018-08-10 11:06:59
Local clock offset: -0.832 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-08-10 15:04:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 572.13 Mbit/s
95th percentile per-packet one-way delay: 176.808 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 572.13 Mbit/s
95th percentile per-packet one-way delay: 176.808 ms
Loss rate: 2.85%

Run 3: Report of FillP-Sheep — Data Link

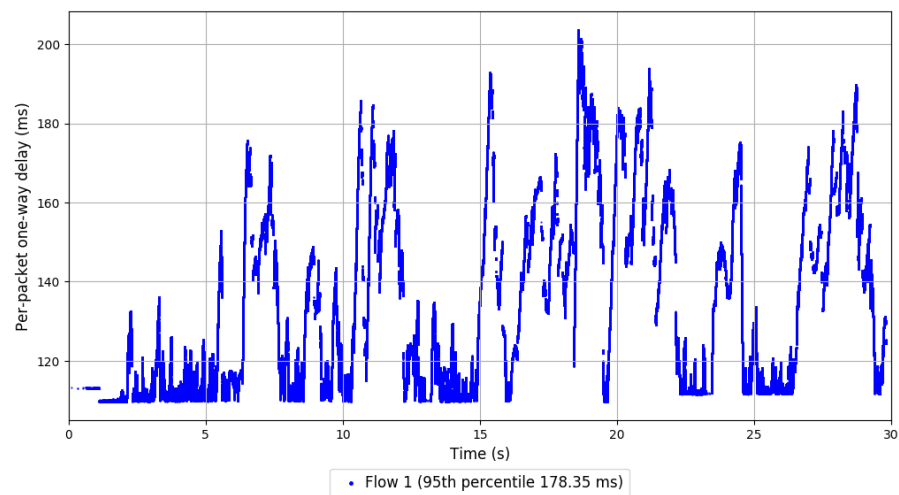
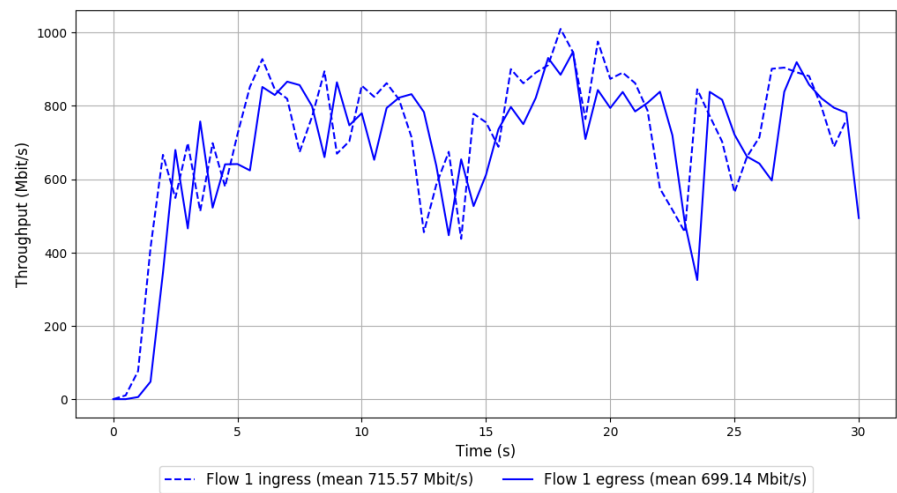


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-10 11:28:51
End at: 2018-08-10 11:29:21
Local clock offset: -0.031 ms
Remote clock offset: -0.486 ms

Below is generated by plot.py at 2018-08-10 15:04:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 699.14 Mbit/s
95th percentile per-packet one-way delay: 178.347 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 699.14 Mbit/s
95th percentile per-packet one-way delay: 178.347 ms
Loss rate: 3.03%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-10 11:50:54

End at: 2018-08-10 11:51:24

Local clock offset: 0.726 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-08-10 15:04:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 647.33 Mbit/s

95th percentile per-packet one-way delay: 188.730 ms

Loss rate: 3.48%

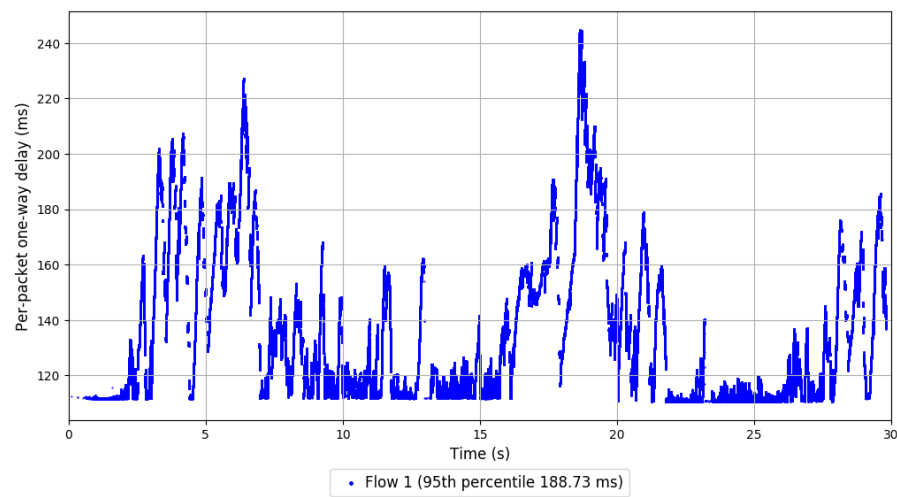
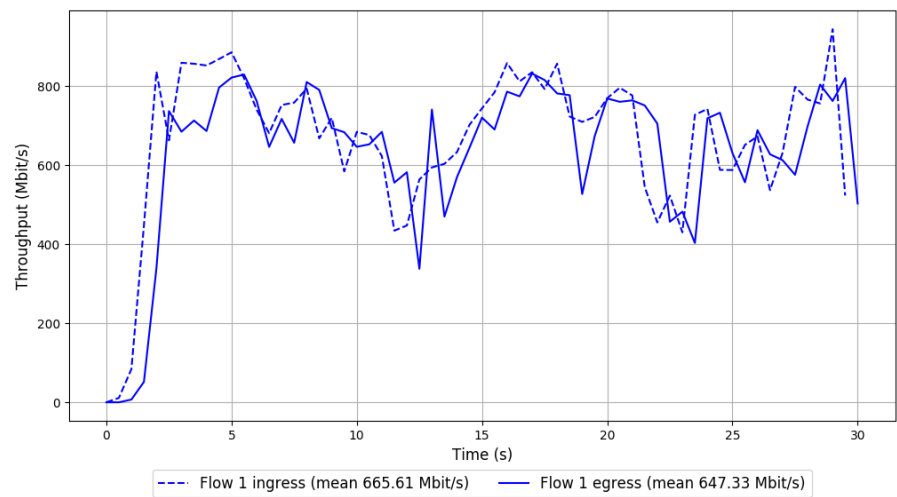
-- Flow 1:

Average throughput: 647.33 Mbit/s

95th percentile per-packet one-way delay: 188.730 ms

Loss rate: 3.48%

Run 5: Report of FillP-Sheep — Data Link

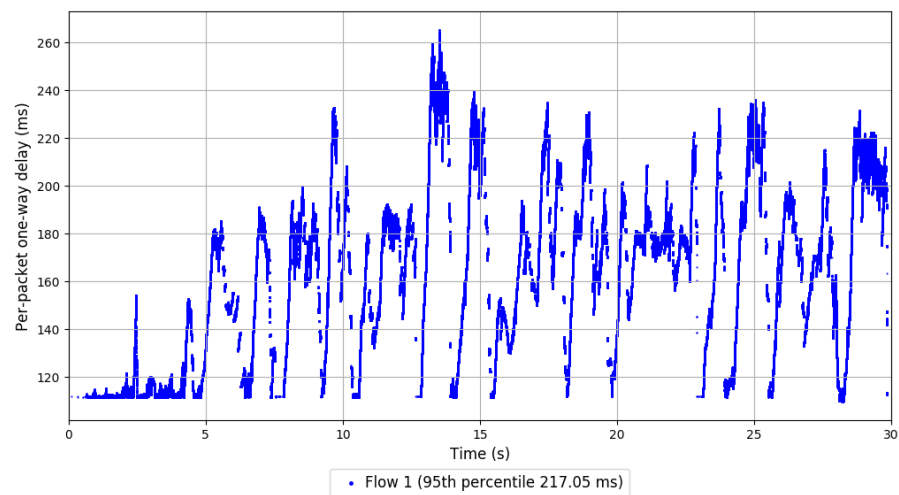
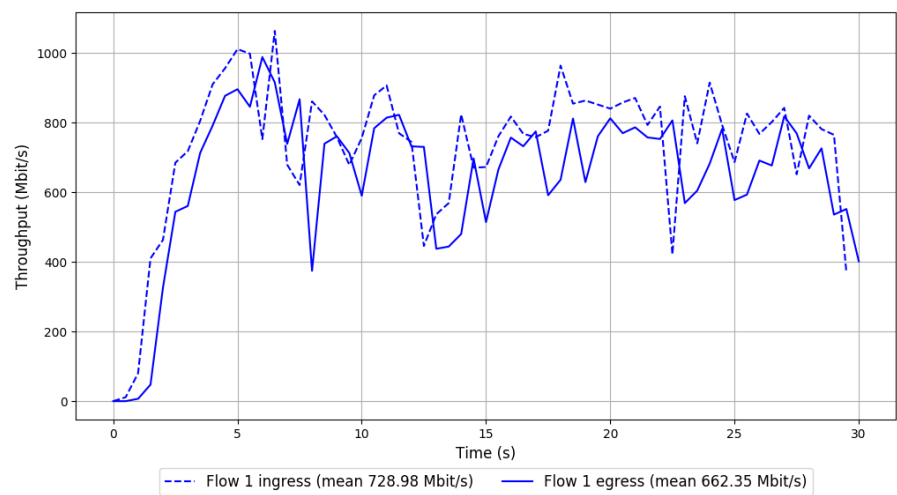


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-10 12:13:35
End at: 2018-08-10 12:14:05
Local clock offset: -0.144 ms
Remote clock offset: -0.484 ms

Below is generated by plot.py at 2018-08-10 15:06:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 662.35 Mbit/s
95th percentile per-packet one-way delay: 217.049 ms
Loss rate: 9.82%
-- Flow 1:
Average throughput: 662.35 Mbit/s
95th percentile per-packet one-way delay: 217.049 ms
Loss rate: 9.82%

Run 6: Report of FillP-Sheep — Data Link

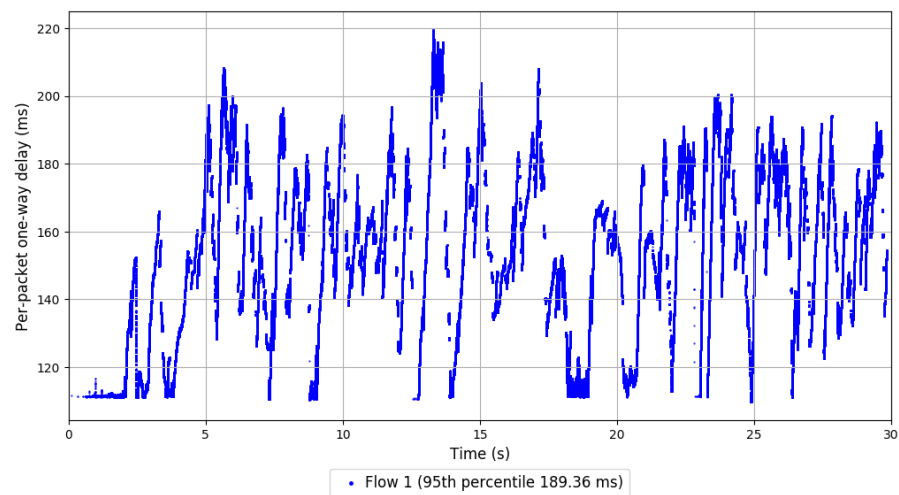
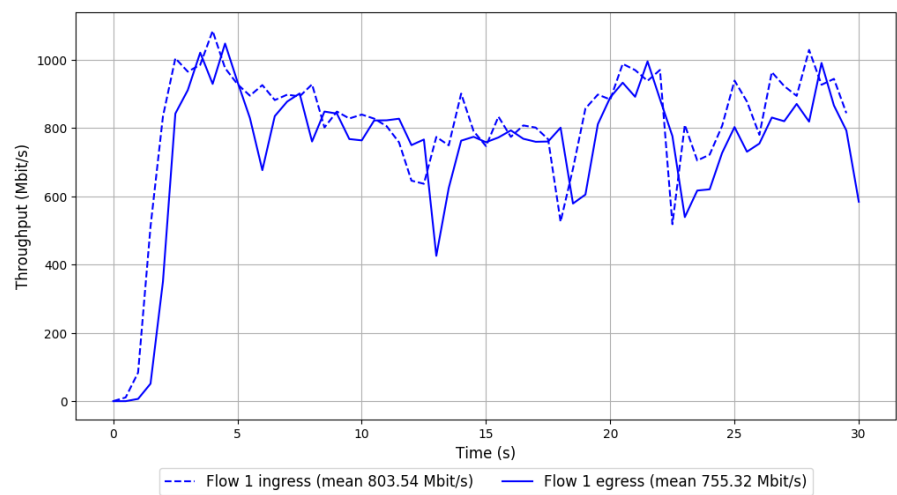


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-10 12:36:09
End at: 2018-08-10 12:36:39
Local clock offset: -0.194 ms
Remote clock offset: -0.609 ms

Below is generated by plot.py at 2018-08-10 15:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 755.32 Mbit/s
95th percentile per-packet one-way delay: 189.361 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 755.32 Mbit/s
95th percentile per-packet one-way delay: 189.361 ms
Loss rate: 6.68%

Run 7: Report of FillP-Sheep — Data Link

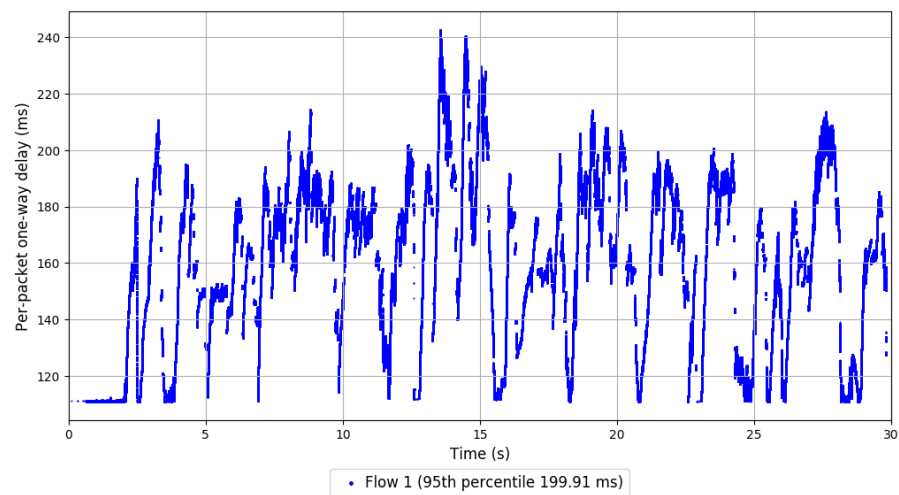
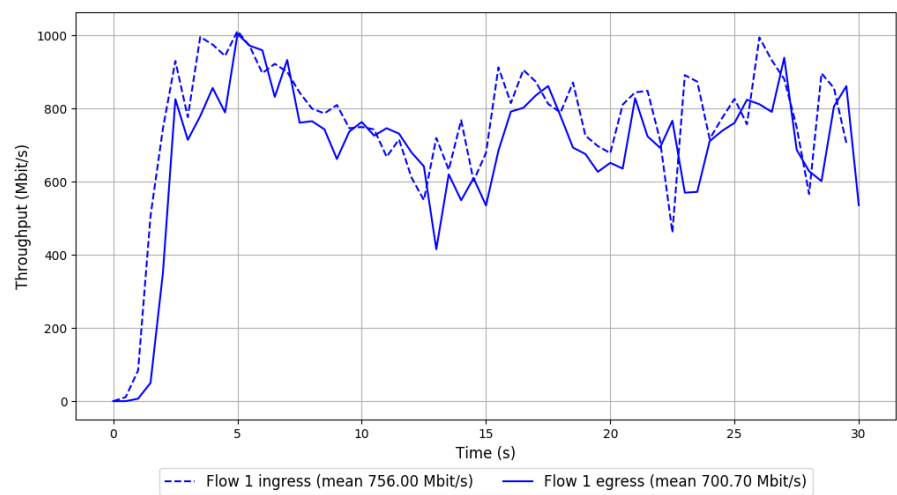


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-10 12:58:55
End at: 2018-08-10 12:59:25
Local clock offset: 0.171 ms
Remote clock offset: -0.574 ms

Below is generated by plot.py at 2018-08-10 15:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 700.70 Mbit/s
95th percentile per-packet one-way delay: 199.908 ms
Loss rate: 8.00%
-- Flow 1:
Average throughput: 700.70 Mbit/s
95th percentile per-packet one-way delay: 199.908 ms
Loss rate: 8.00%

Run 8: Report of FillP-Sheep — Data Link

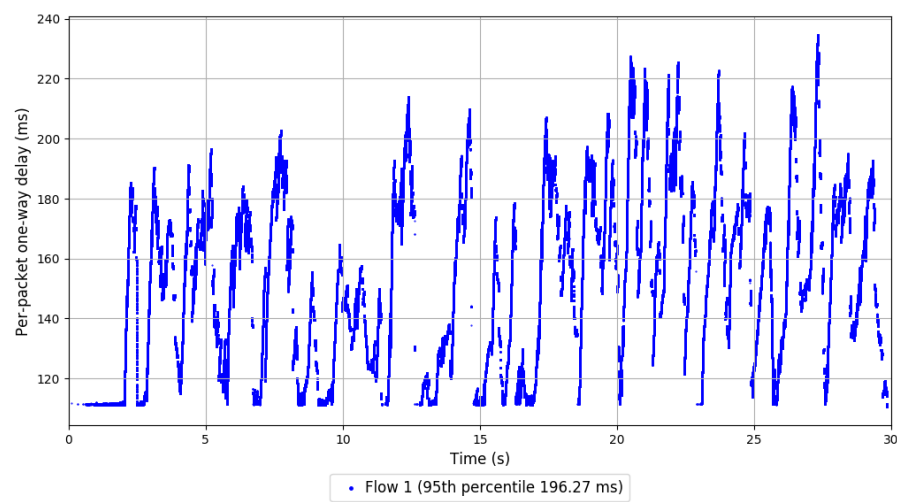
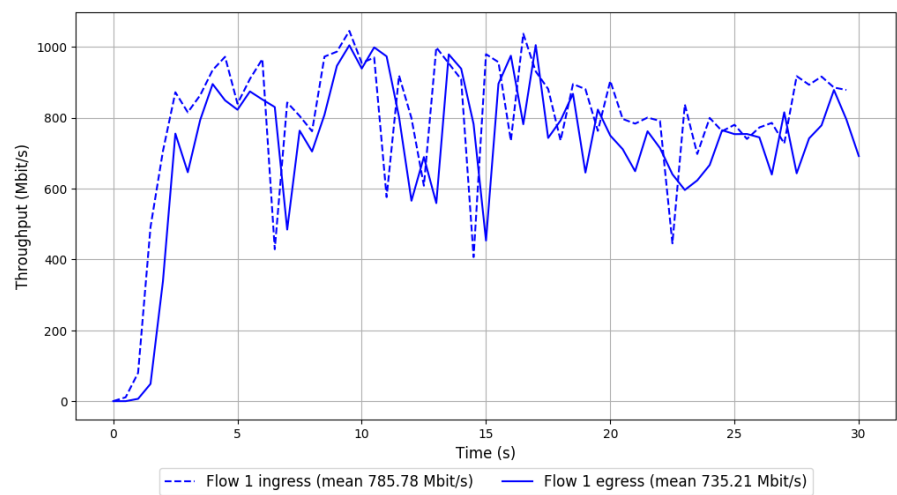


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-10 13:22:05
End at: 2018-08-10 13:22:35
Local clock offset: -0.147 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-10 15:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 735.21 Mbit/s
95th percentile per-packet one-way delay: 196.273 ms
Loss rate: 7.13%
-- Flow 1:
Average throughput: 735.21 Mbit/s
95th percentile per-packet one-way delay: 196.273 ms
Loss rate: 7.13%

Run 9: Report of FillP-Sheep — Data Link

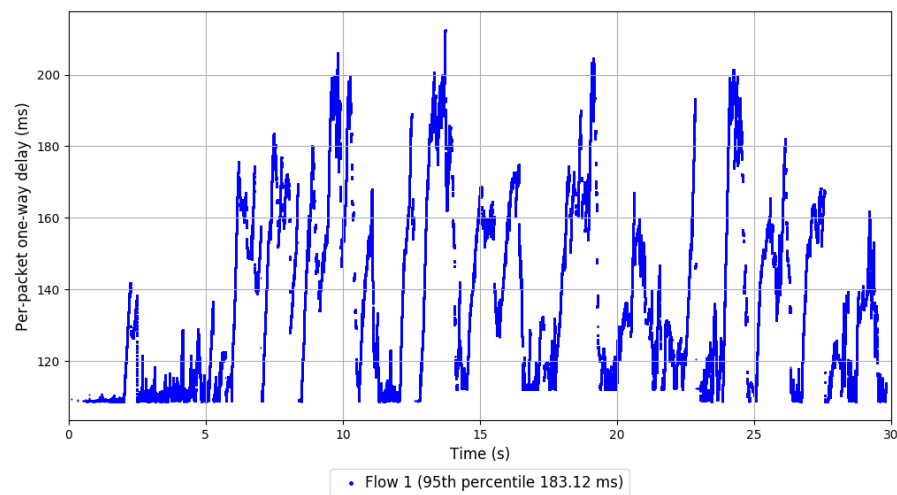
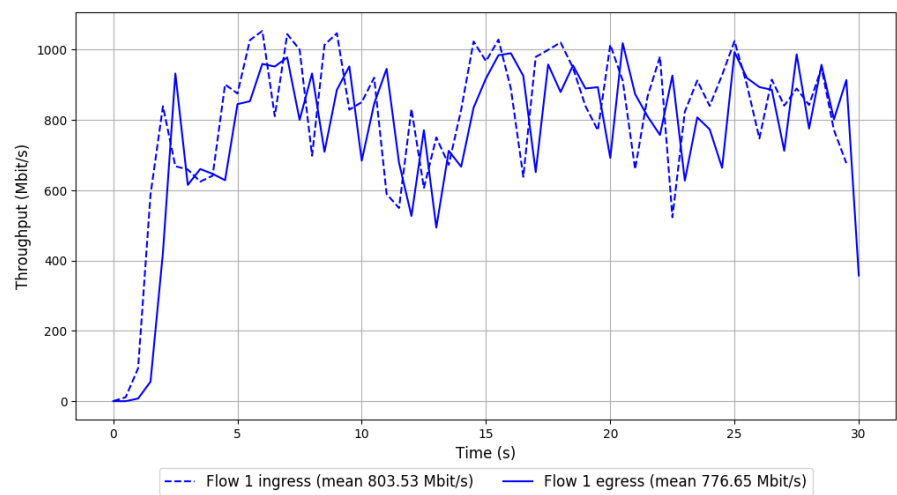


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-10 13:45:10
End at: 2018-08-10 13:45:40
Local clock offset: -0.621 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 776.65 Mbit/s
95th percentile per-packet one-way delay: 183.115 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 776.65 Mbit/s
95th percentile per-packet one-way delay: 183.115 ms
Loss rate: 4.06%

Run 10: Report of FillP-Sheep — Data Link

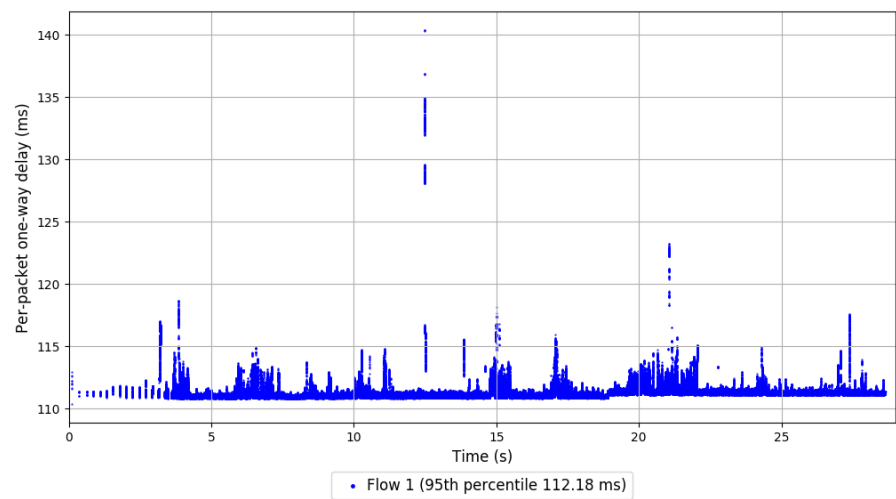
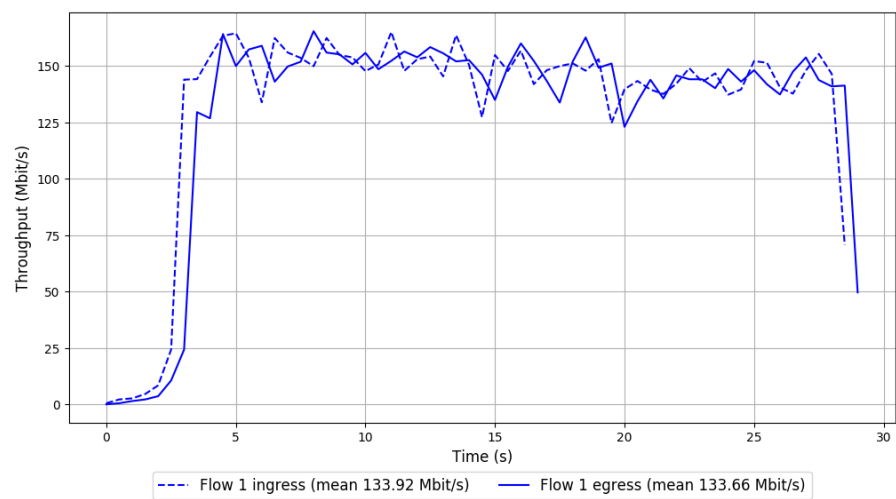


Run 1: Statistics of Indigo

Start at: 2018-08-10 10:23:22
End at: 2018-08-10 10:23:52
Local clock offset: -0.094 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.66 Mbit/s
95th percentile per-packet one-way delay: 112.176 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 133.66 Mbit/s
95th percentile per-packet one-way delay: 112.176 ms
Loss rate: 0.86%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-10 10:45:55

End at: 2018-08-10 10:46:25

Local clock offset: -0.386 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-08-10 15:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.49 Mbit/s

95th percentile per-packet one-way delay: 111.452 ms

Loss rate: 0.73%

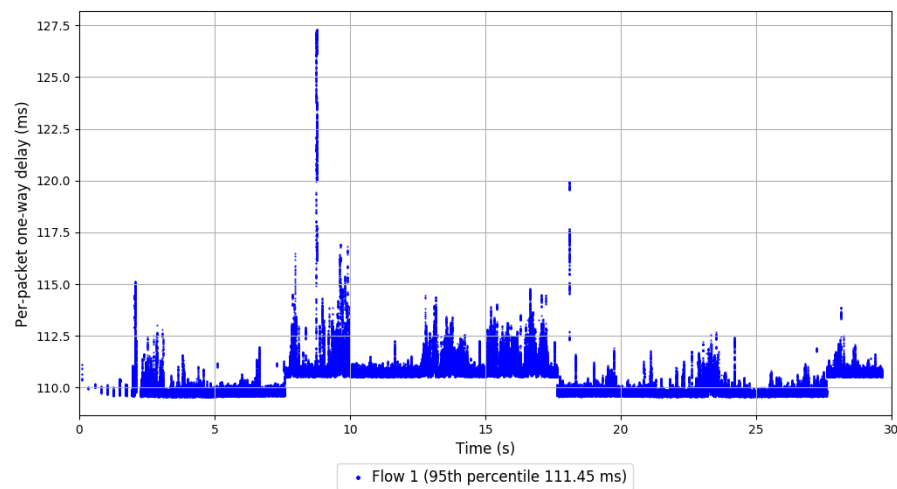
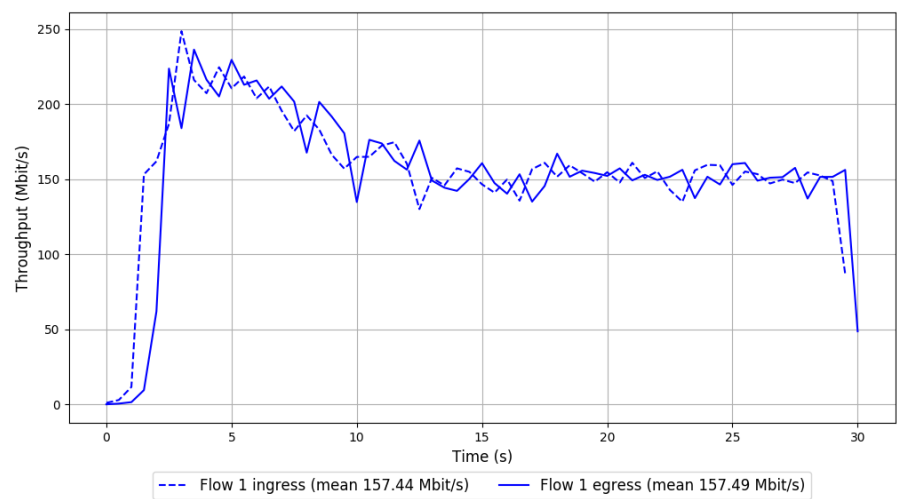
-- Flow 1:

Average throughput: 157.49 Mbit/s

95th percentile per-packet one-way delay: 111.452 ms

Loss rate: 0.73%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-10 11:08:03

End at: 2018-08-10 11:08:33

Local clock offset: -1.389 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-08-10 15:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.10 Mbit/s

95th percentile per-packet one-way delay: 109.906 ms

Loss rate: 0.78%

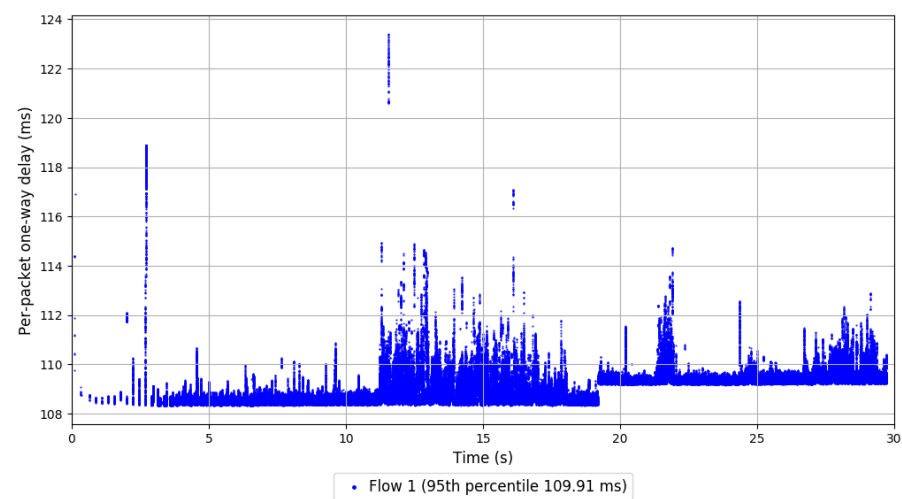
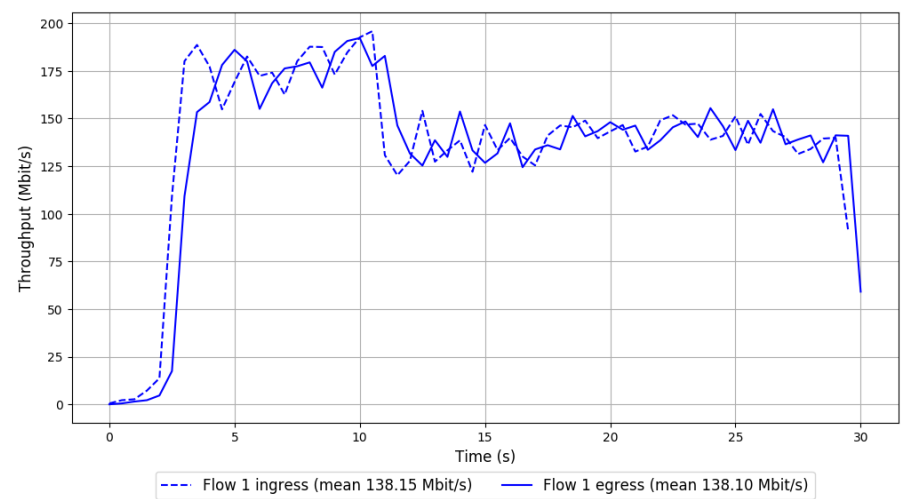
-- Flow 1:

Average throughput: 138.10 Mbit/s

95th percentile per-packet one-way delay: 109.906 ms

Loss rate: 0.78%

Run 3: Report of Indigo — Data Link

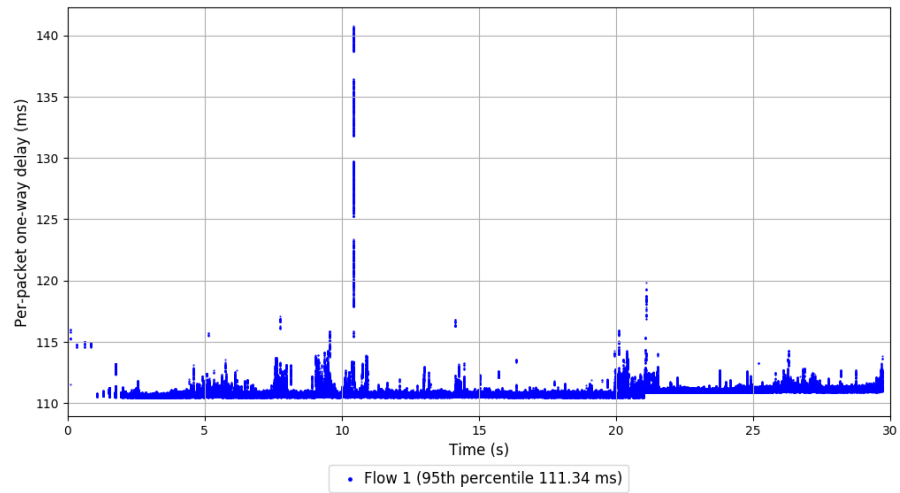
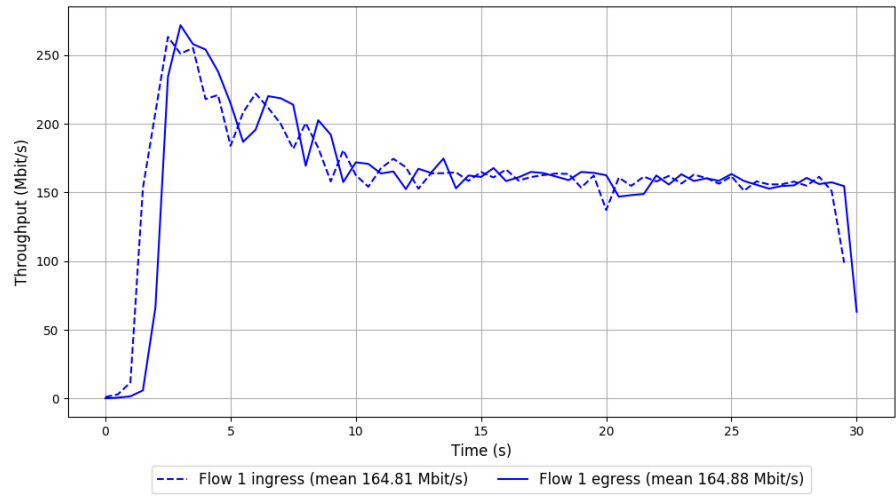


Run 4: Statistics of Indigo

Start at: 2018-08-10 11:30:31
End at: 2018-08-10 11:31:01
Local clock offset: 0.056 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.88 Mbit/s
95th percentile per-packet one-way delay: 111.336 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 164.88 Mbit/s
95th percentile per-packet one-way delay: 111.336 ms
Loss rate: 0.71%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-10 11:52:32

End at: 2018-08-10 11:53:02

Local clock offset: -0.03 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2018-08-10 15:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.34 Mbit/s

95th percentile per-packet one-way delay: 111.411 ms

Loss rate: 0.74%

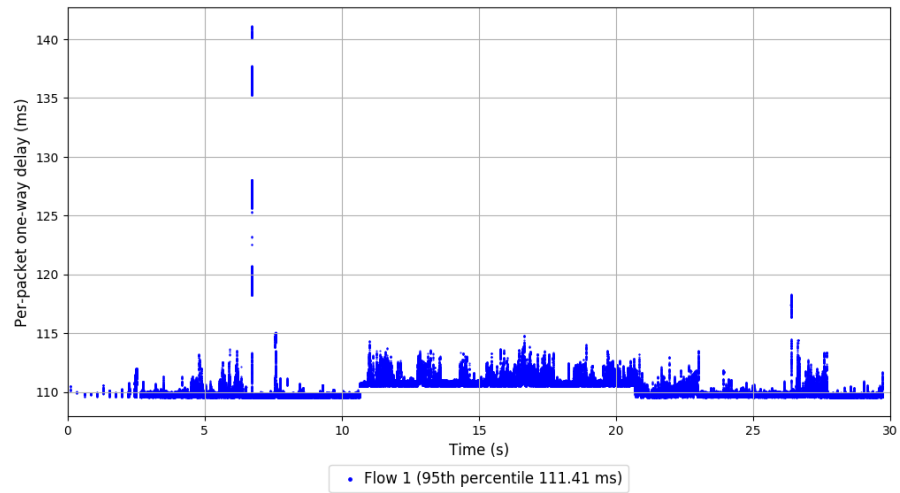
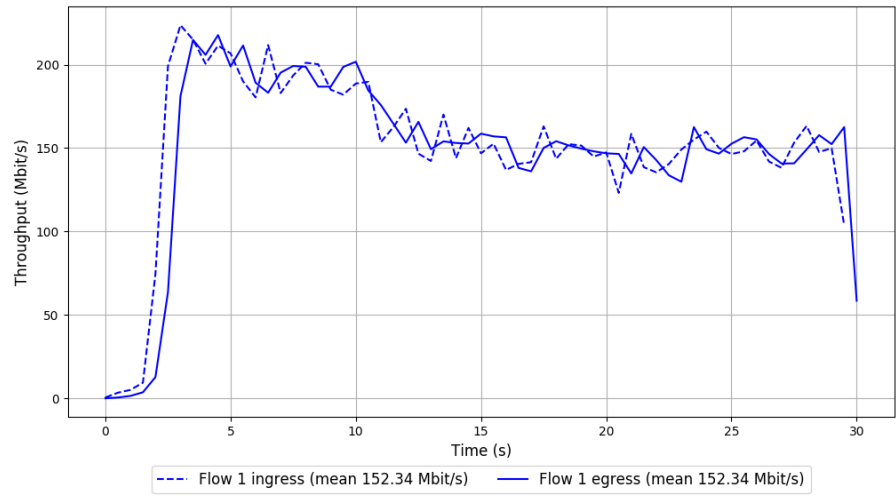
-- Flow 1:

Average throughput: 152.34 Mbit/s

95th percentile per-packet one-way delay: 111.411 ms

Loss rate: 0.74%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-10 12:15:15

End at: 2018-08-10 12:15:45

Local clock offset: 0.672 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-08-10 15:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.65 Mbit/s

95th percentile per-packet one-way delay: 112.839 ms

Loss rate: 0.76%

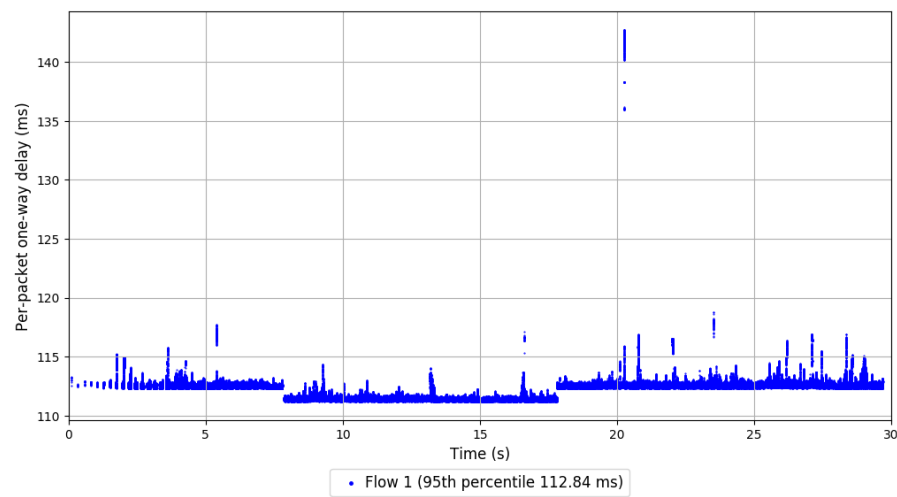
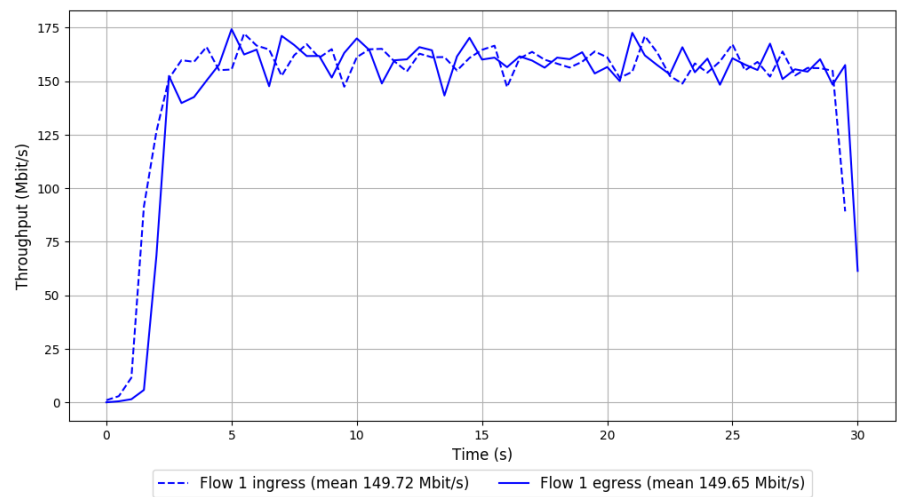
-- Flow 1:

Average throughput: 149.65 Mbit/s

95th percentile per-packet one-way delay: 112.839 ms

Loss rate: 0.76%

Run 6: Report of Indigo — Data Link

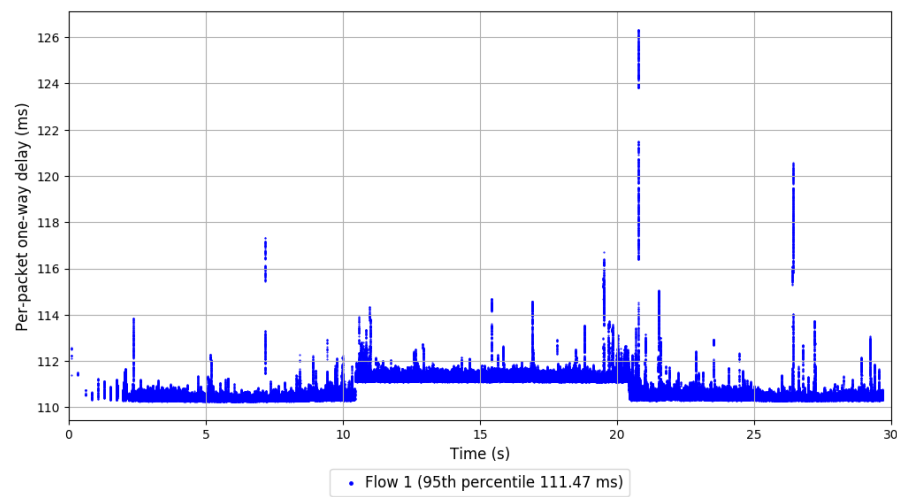
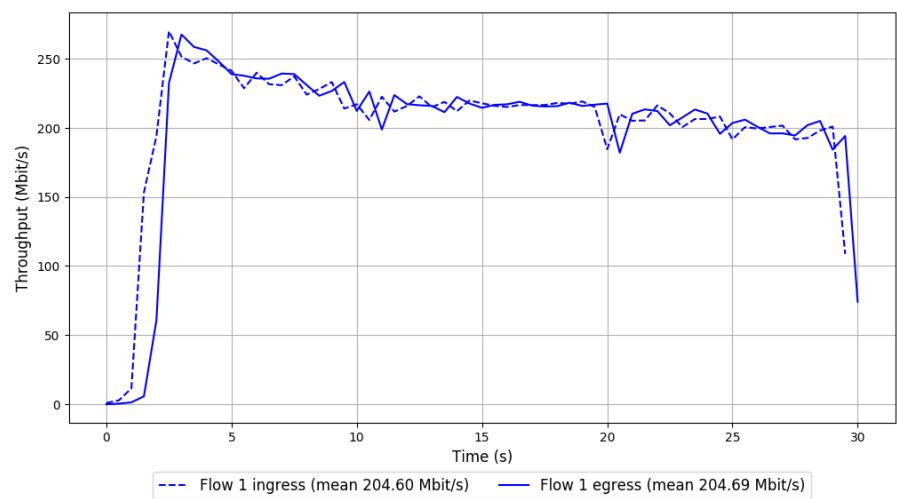


Run 7: Statistics of Indigo

Start at: 2018-08-10 12:37:52
End at: 2018-08-10 12:38:22
Local clock offset: 0.062 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.69 Mbit/s
95th percentile per-packet one-way delay: 111.469 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 204.69 Mbit/s
95th percentile per-packet one-way delay: 111.469 ms
Loss rate: 0.71%

Run 7: Report of Indigo — Data Link

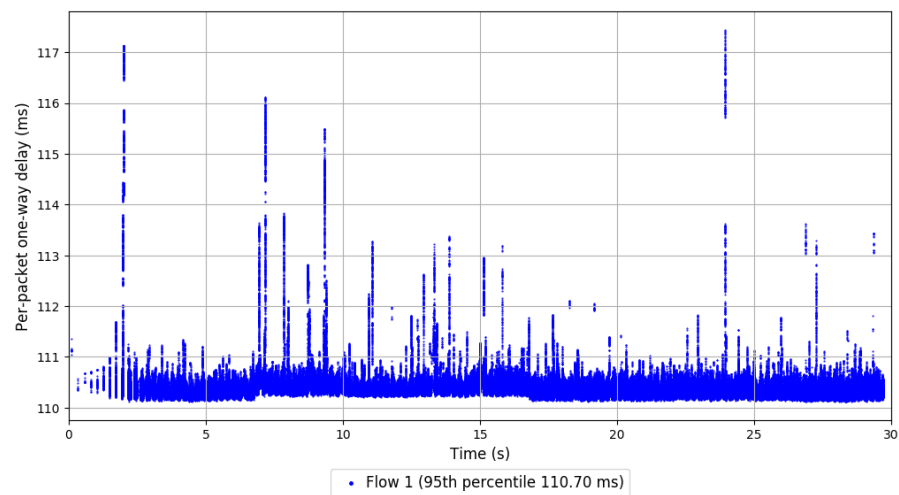
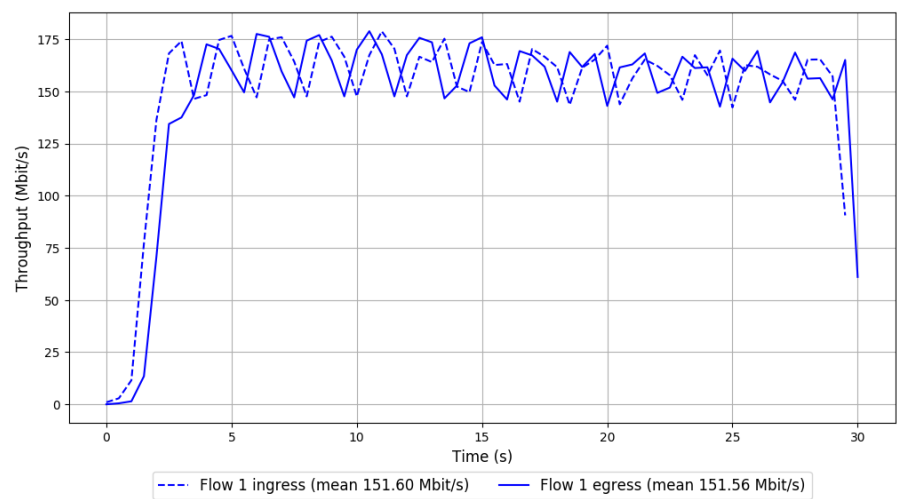


Run 8: Statistics of Indigo

Start at: 2018-08-10 13:00:36
End at: 2018-08-10 13:01:06
Local clock offset: -0.056 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.56 Mbit/s
95th percentile per-packet one-way delay: 110.700 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 151.56 Mbit/s
95th percentile per-packet one-way delay: 110.700 ms
Loss rate: 0.77%

Run 8: Report of Indigo — Data Link

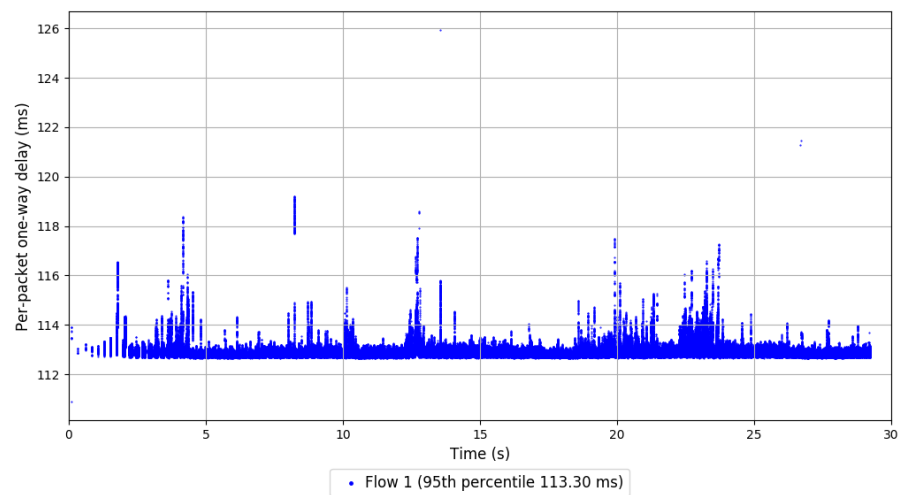
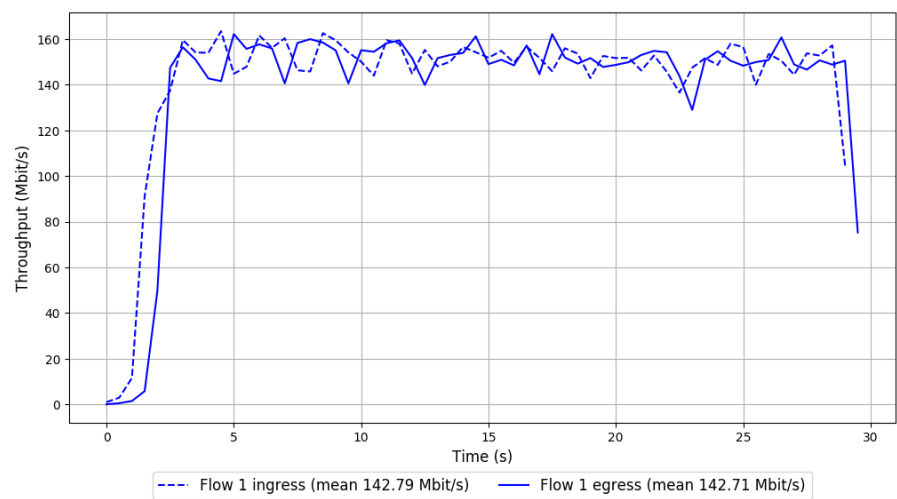


Run 9: Statistics of Indigo

Start at: 2018-08-10 13:23:53
End at: 2018-08-10 13:24:23
Local clock offset: -0.028 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.71 Mbit/s
95th percentile per-packet one-way delay: 113.304 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 142.71 Mbit/s
95th percentile per-packet one-way delay: 113.304 ms
Loss rate: 0.82%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-10 13:46:53

End at: 2018-08-10 13:47:23

Local clock offset: -1.374 ms

Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-10 15:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.19 Mbit/s

95th percentile per-packet one-way delay: 111.644 ms

Loss rate: 0.80%

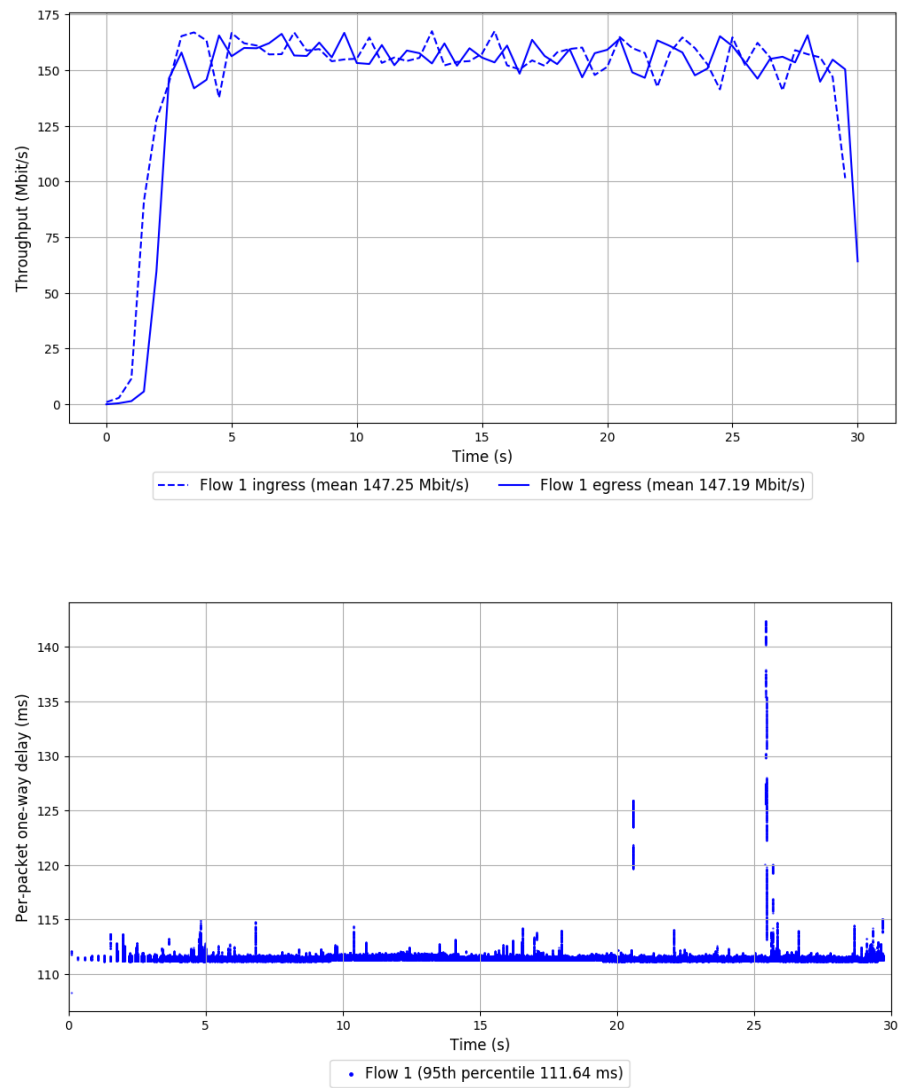
-- Flow 1:

Average throughput: 147.19 Mbit/s

95th percentile per-packet one-way delay: 111.644 ms

Loss rate: 0.80%

Run 10: Report of Indigo — Data Link

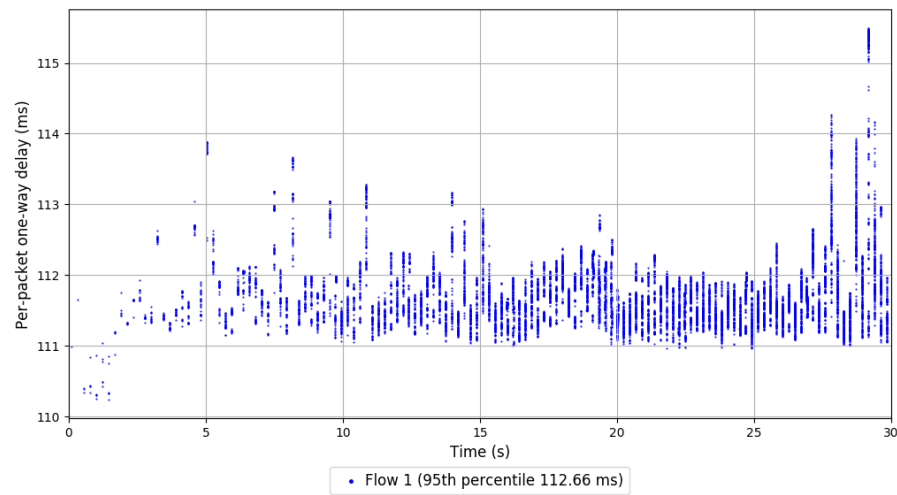
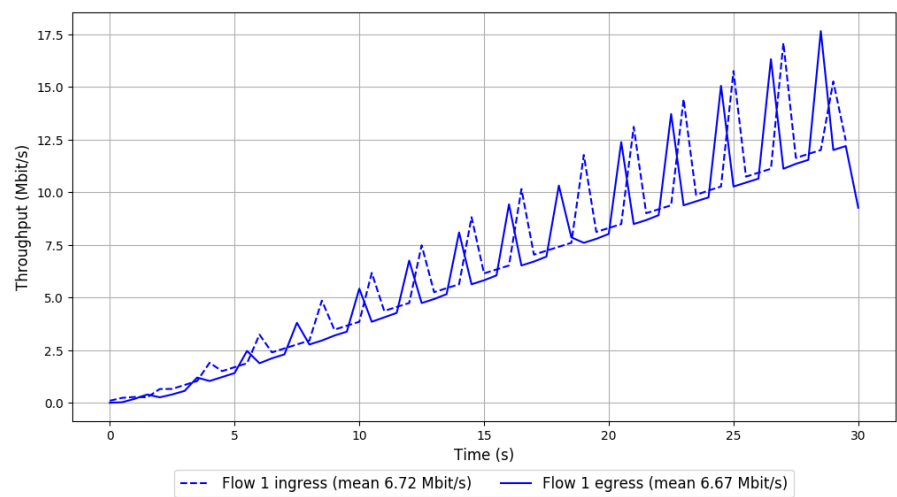


Run 1: Statistics of LEDBAT

Start at: 2018-08-10 10:39:41
End at: 2018-08-10 10:40:11
Local clock offset: -0.186 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 112.660 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 112.660 ms
Loss rate: 1.56%

Run 1: Report of LEDBAT — Data Link

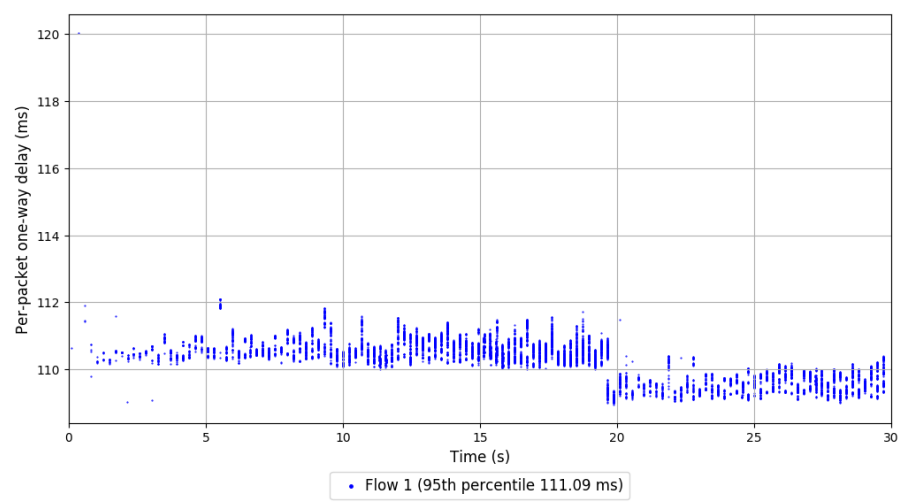
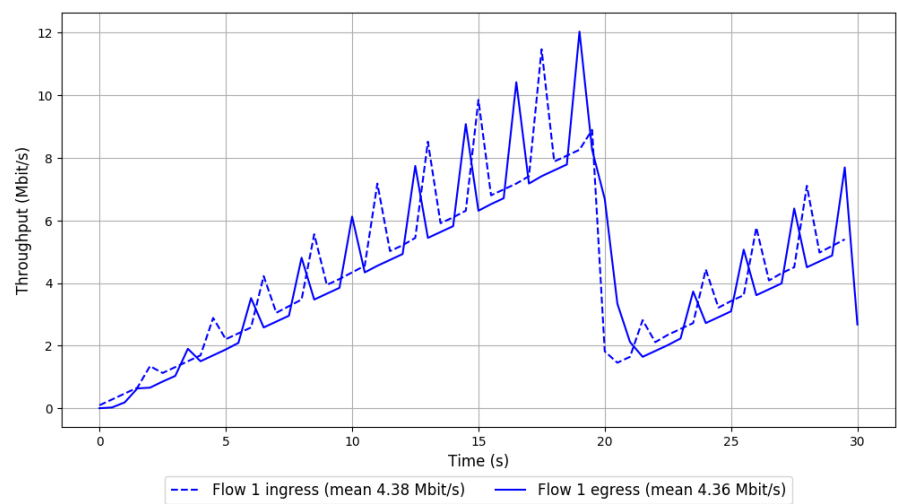


Run 2: Statistics of LEDBAT

Start at: 2018-08-10 11:01:53
End at: 2018-08-10 11:02:23
Local clock offset: -1.404 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 111.092 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 111.092 ms
Loss rate: 1.05%

Run 2: Report of LEDBAT — Data Link

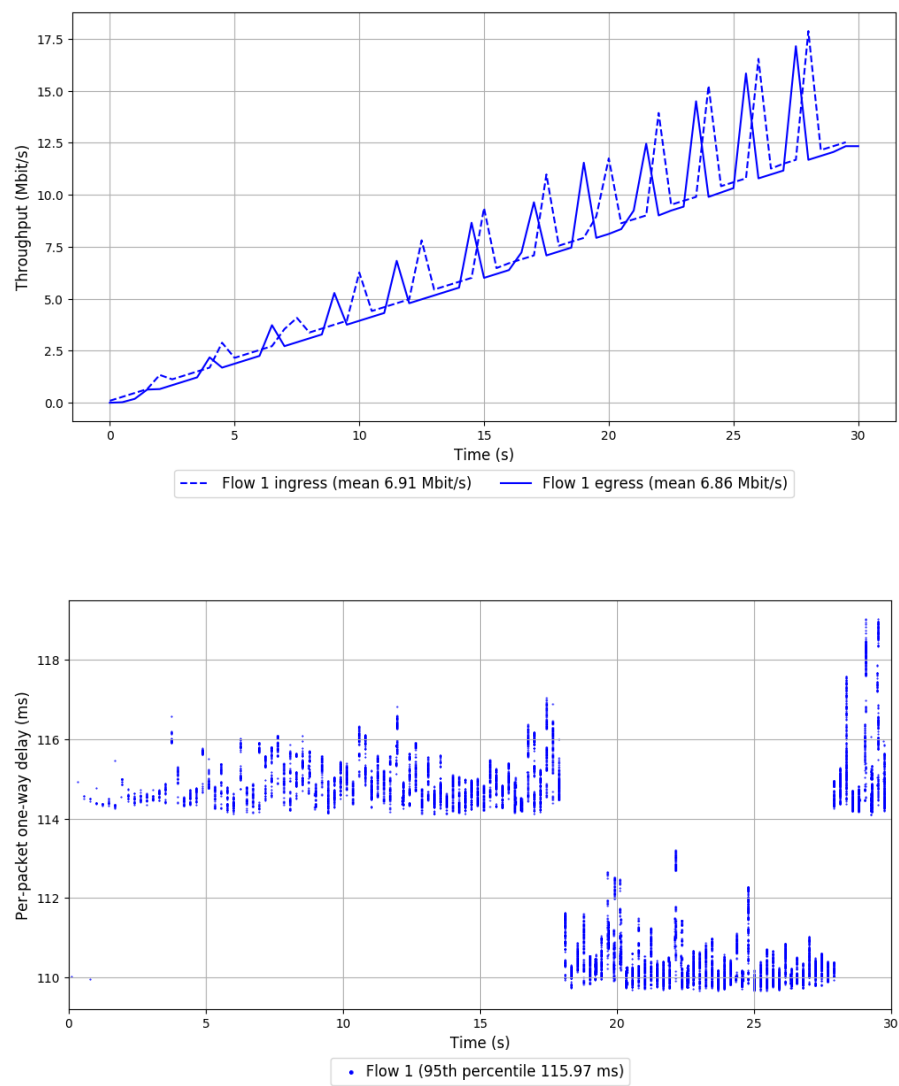


Run 3: Statistics of LEDBAT

Start at: 2018-08-10 11:24:15
End at: 2018-08-10 11:24:45
Local clock offset: -0.336 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 115.969 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 115.969 ms
Loss rate: 1.52%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-10 11:46:16

End at: 2018-08-10 11:46:46

Local clock offset: -0.272 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-08-10 15:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 114.680 ms

Loss rate: 1.63%

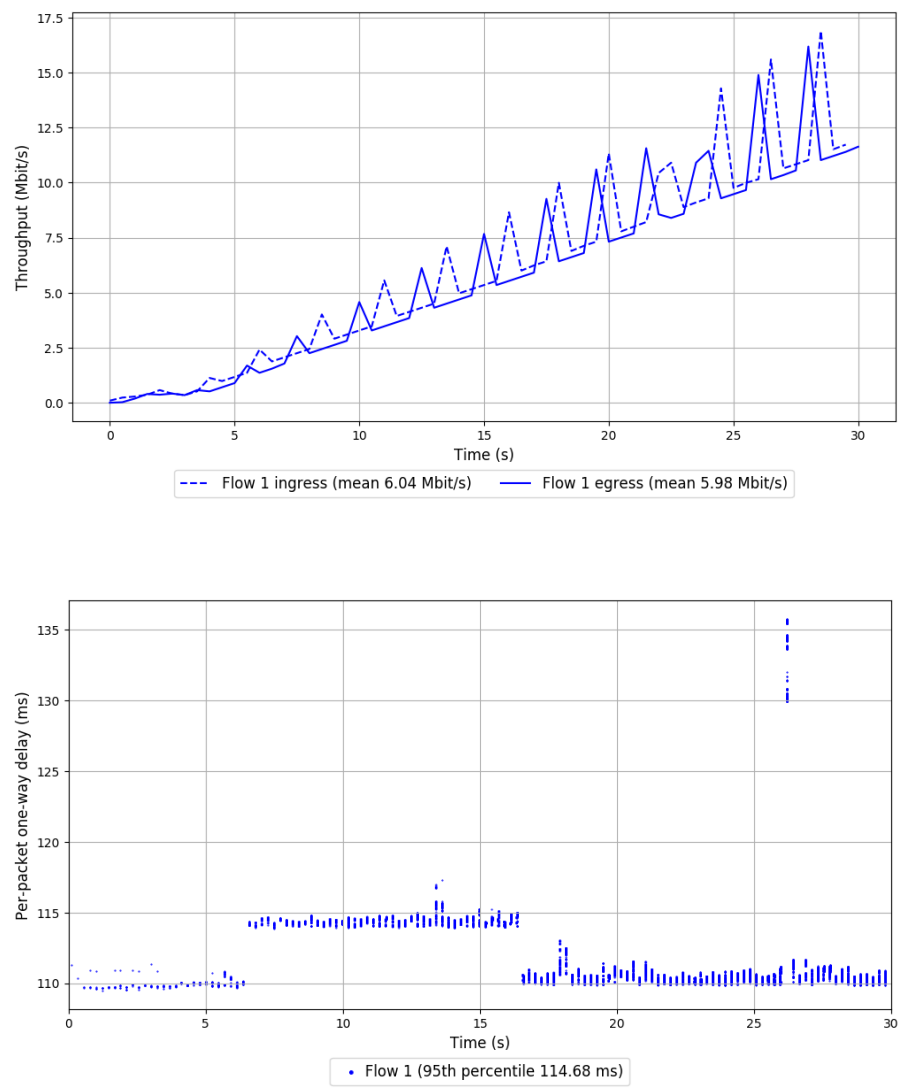
-- Flow 1:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 114.680 ms

Loss rate: 1.63%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-10 12:08:56

End at: 2018-08-10 12:09:26

Local clock offset: 0.1 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2018-08-10 15:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 112.183 ms

Loss rate: 2.01%

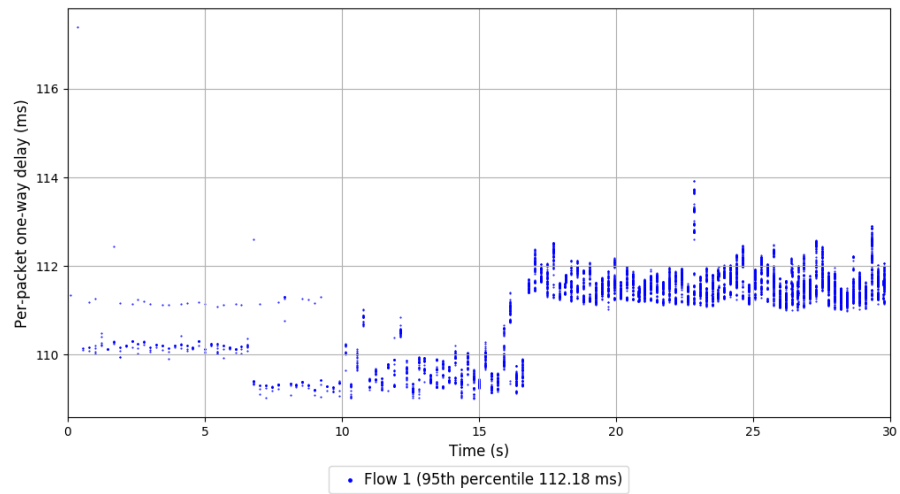
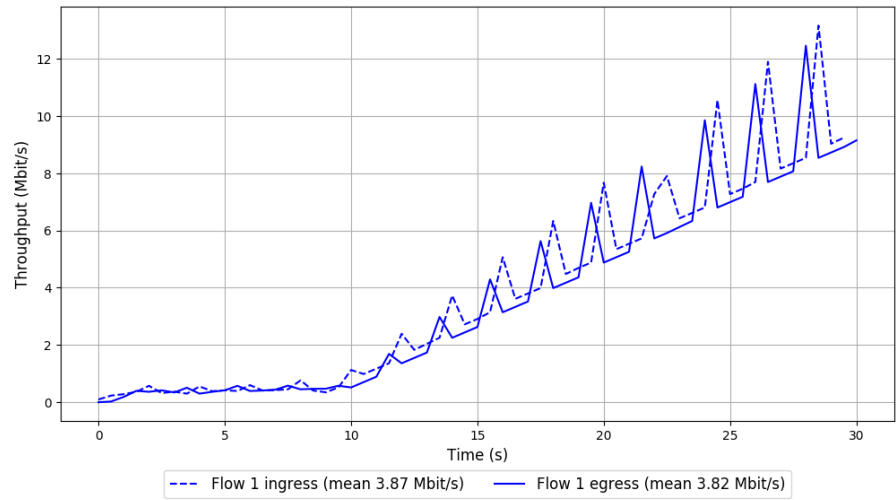
-- Flow 1:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 112.183 ms

Loss rate: 2.01%

Run 5: Report of LEDBAT — Data Link

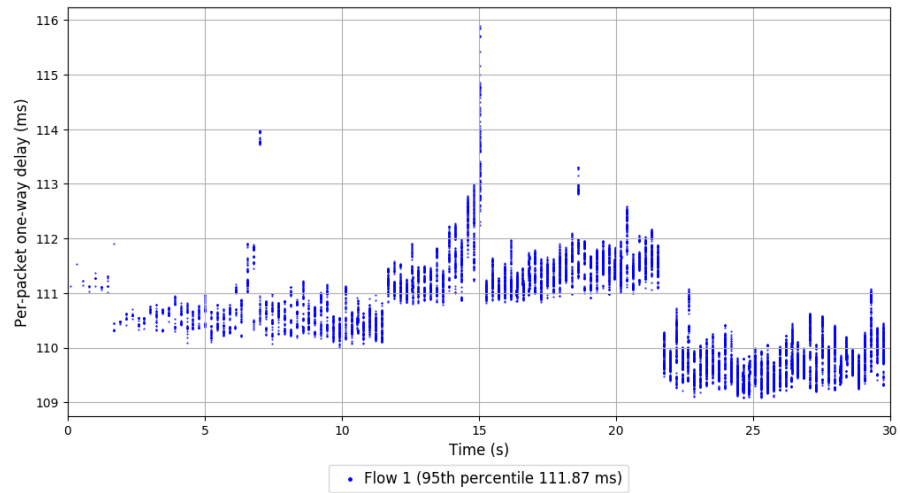
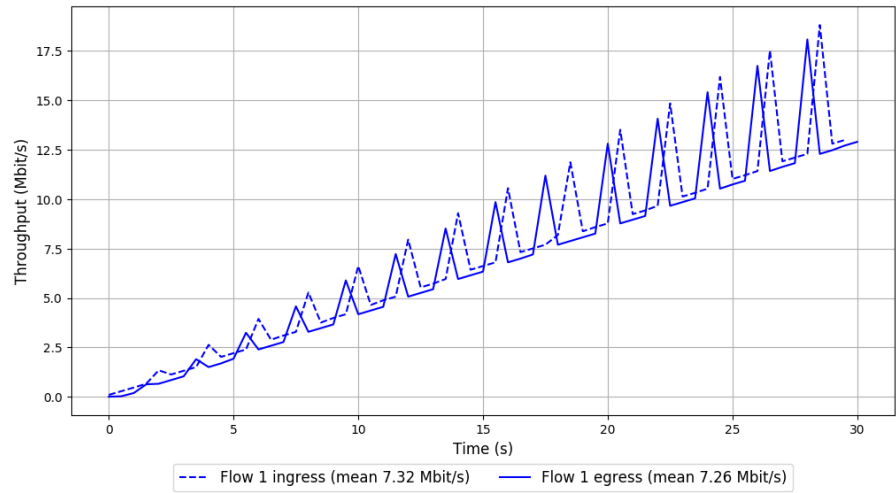


Run 6: Statistics of LEDBAT

Start at: 2018-08-10 12:31:31
End at: 2018-08-10 12:32:01
Local clock offset: -0.309 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 111.869 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 111.869 ms
Loss rate: 1.49%

Run 6: Report of LEDBAT — Data Link

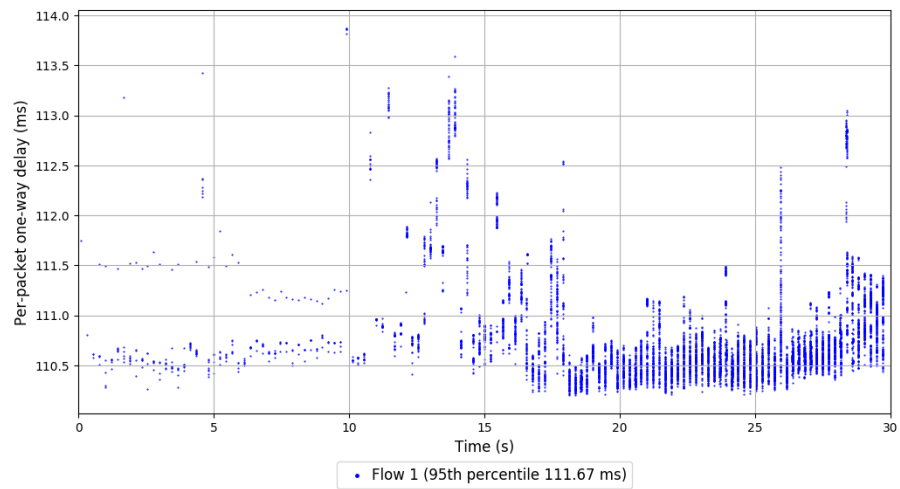
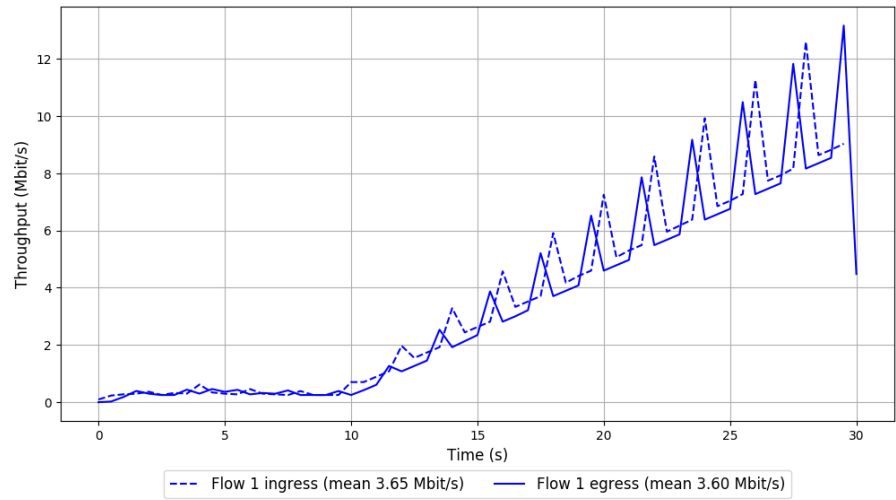


Run 7: Statistics of LEDBAT

Start at: 2018-08-10 12:54:16
End at: 2018-08-10 12:54:46
Local clock offset: -0.029 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 111.671 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 111.671 ms
Loss rate: 2.09%

Run 7: Report of LEDBAT — Data Link

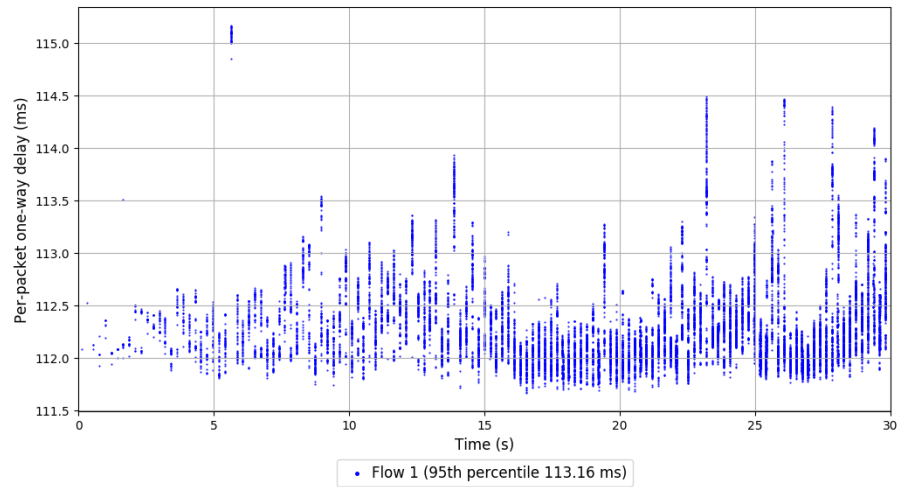
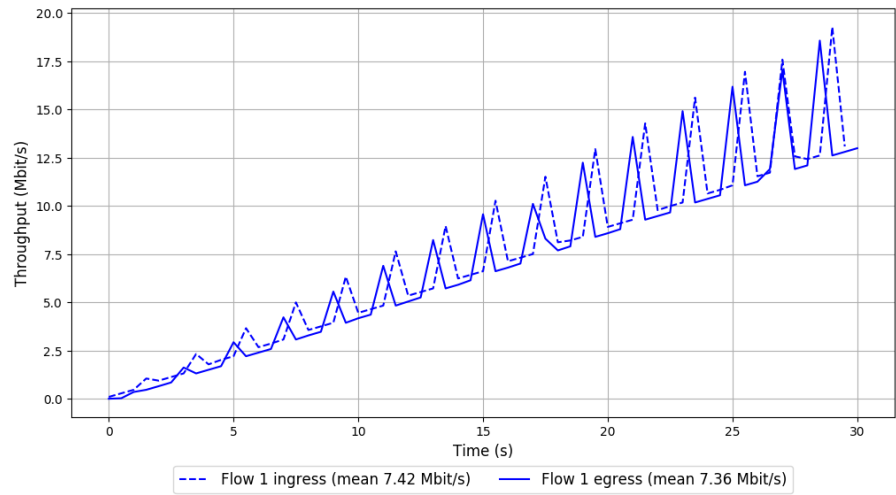


Run 8: Statistics of LEDBAT

Start at: 2018-08-10 13:17:19
End at: 2018-08-10 13:17:49
Local clock offset: 1.441 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-08-10 15:19:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 113.159 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 113.159 ms
Loss rate: 1.48%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-10 13:40:31

End at: 2018-08-10 13:41:01

Local clock offset: -0.773 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2018-08-10 15:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 112.872 ms

Loss rate: 1.50%

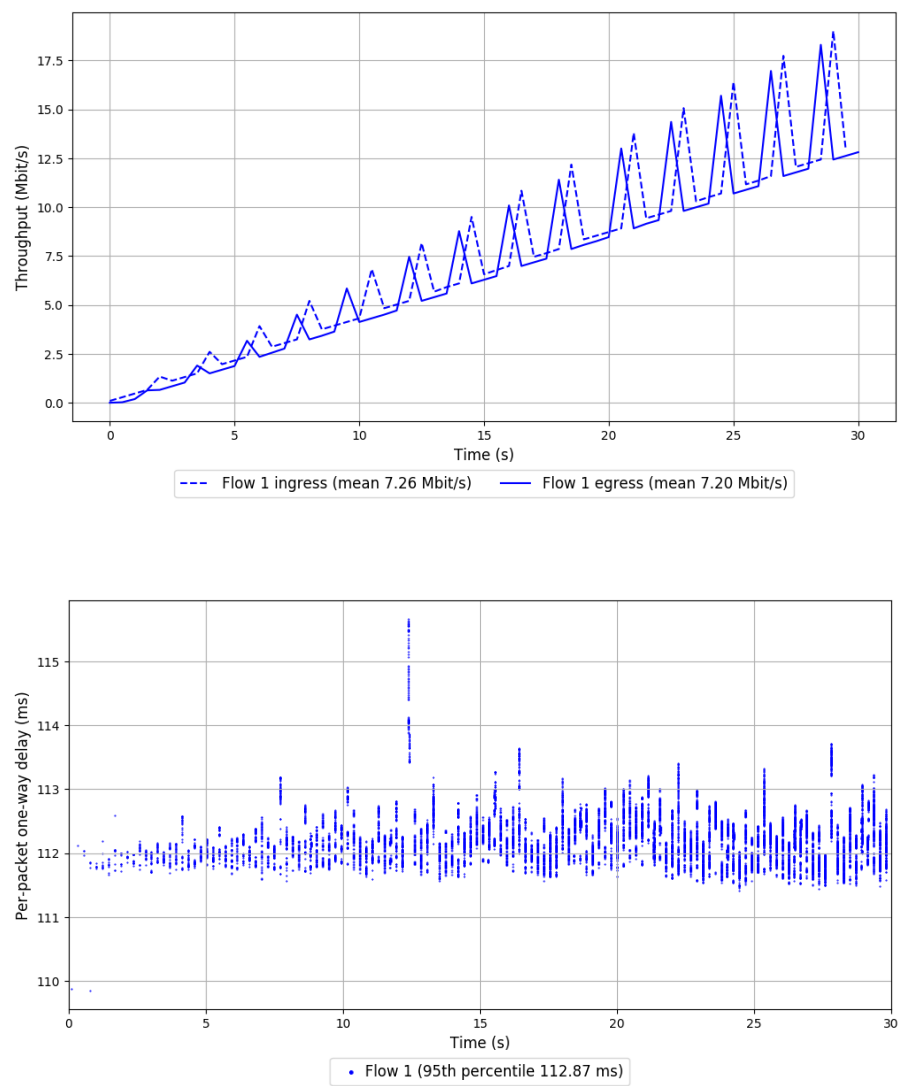
-- Flow 1:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 112.872 ms

Loss rate: 1.50%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-10 14:03:32

End at: 2018-08-10 14:04:02

Local clock offset: 0.221 ms

Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-08-10 15:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.94 Mbit/s

95th percentile per-packet one-way delay: 113.516 ms

Loss rate: 1.52%

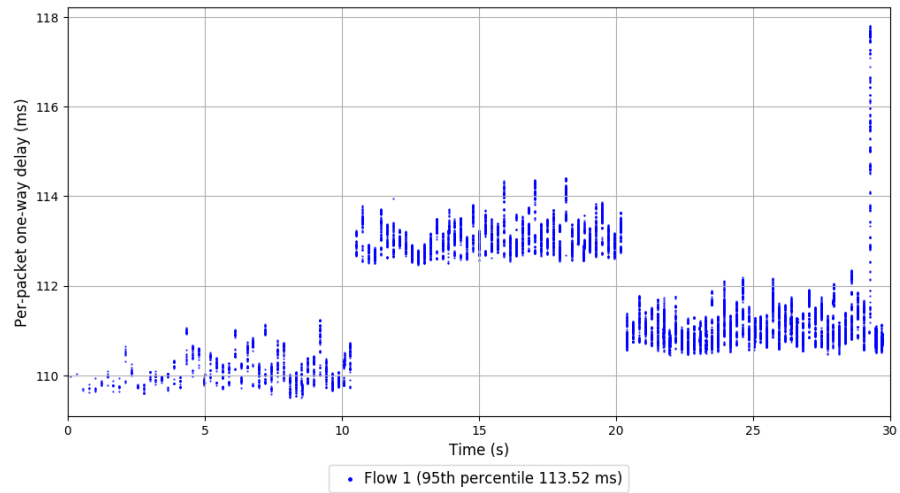
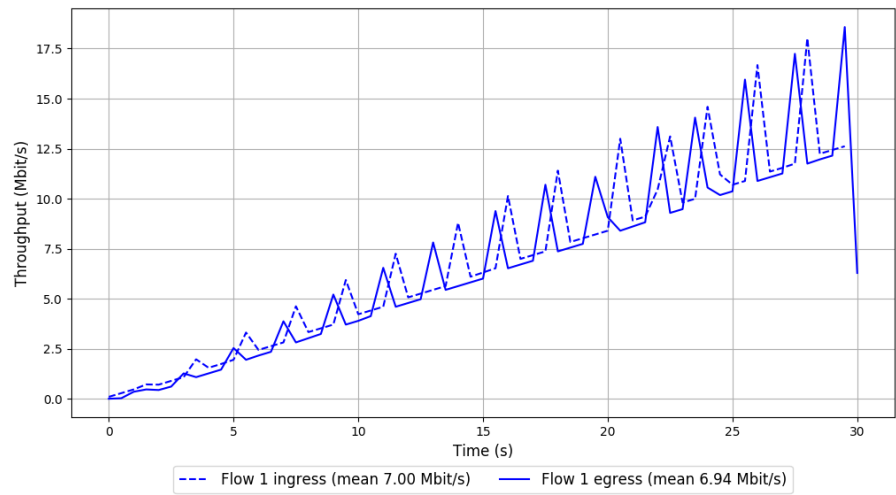
-- Flow 1:

Average throughput: 6.94 Mbit/s

95th percentile per-packet one-way delay: 113.516 ms

Loss rate: 1.52%

Run 10: Report of LEDBAT — Data Link

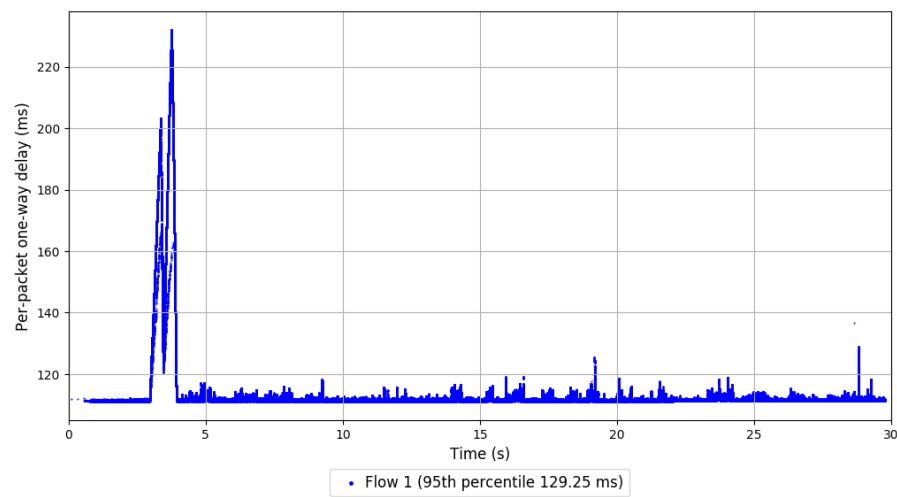
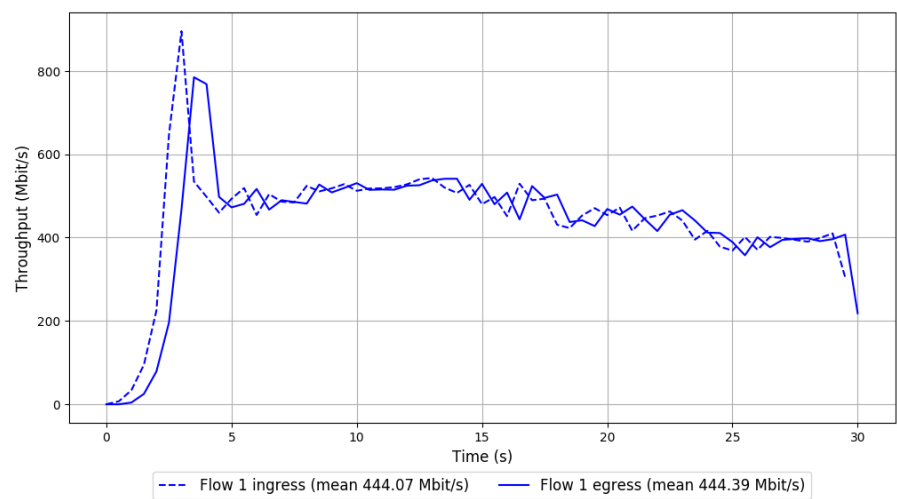


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-10 10:35:40
End at: 2018-08-10 10:36:10
Local clock offset: -0.202 ms
Remote clock offset: -0.451 ms

# Below is generated by plot.py at 2018-08-10 15:19:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 444.39 Mbit/s
95th percentile per-packet one-way delay: 129.255 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 444.39 Mbit/s
95th percentile per-packet one-way delay: 129.255 ms
Loss rate: 0.68%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-10 10:57:48

End at: 2018-08-10 10:58:18

Local clock offset: -0.871 ms

Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-10 15:19:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 392.51 Mbit/s

95th percentile per-packet one-way delay: 135.665 ms

Loss rate: 2.69%

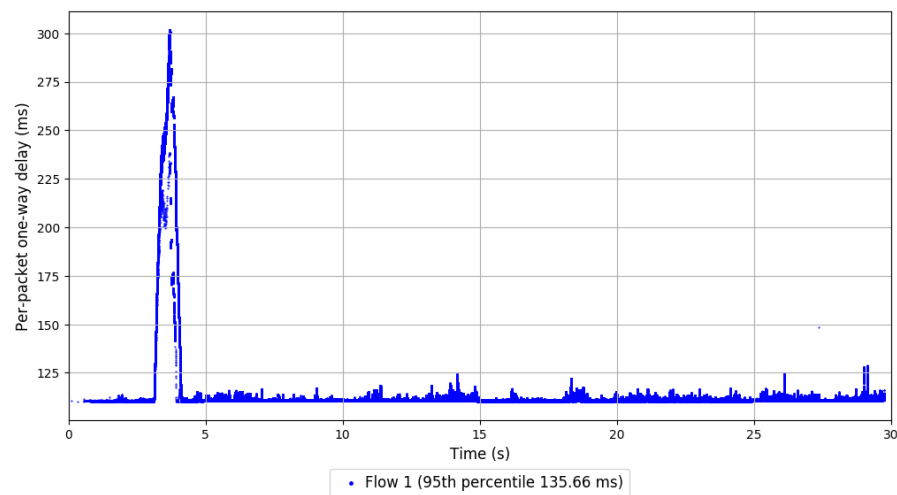
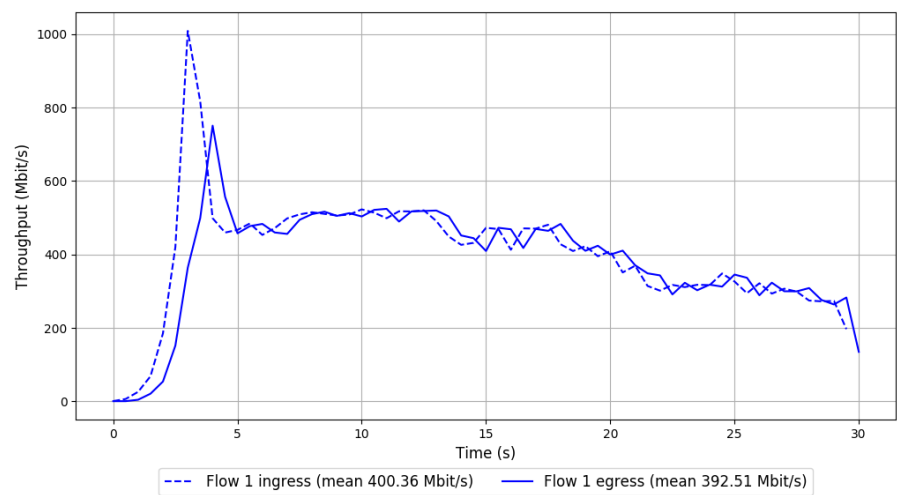
-- Flow 1:

Average throughput: 392.51 Mbit/s

95th percentile per-packet one-way delay: 135.665 ms

Loss rate: 2.69%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-10 11:20:14

End at: 2018-08-10 11:20:44

Local clock offset: -0.199 ms

Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-08-10 15:19:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.81 Mbit/s

95th percentile per-packet one-way delay: 117.114 ms

Loss rate: 0.61%

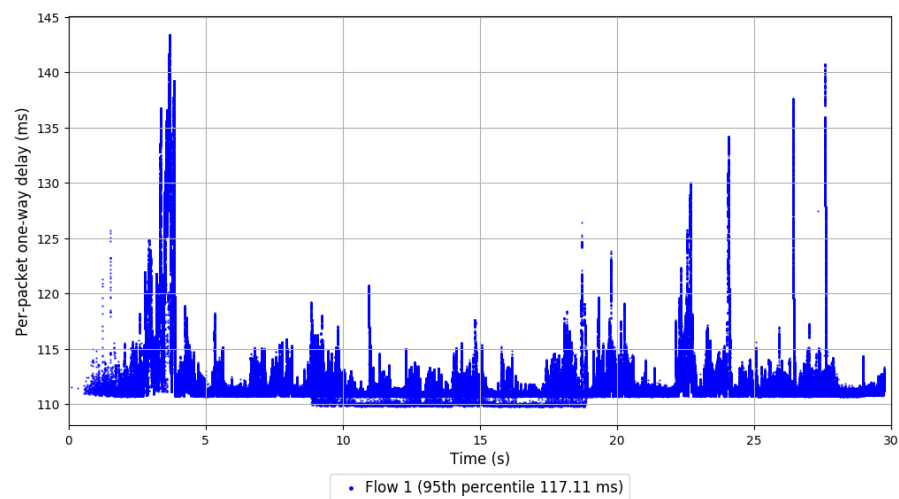
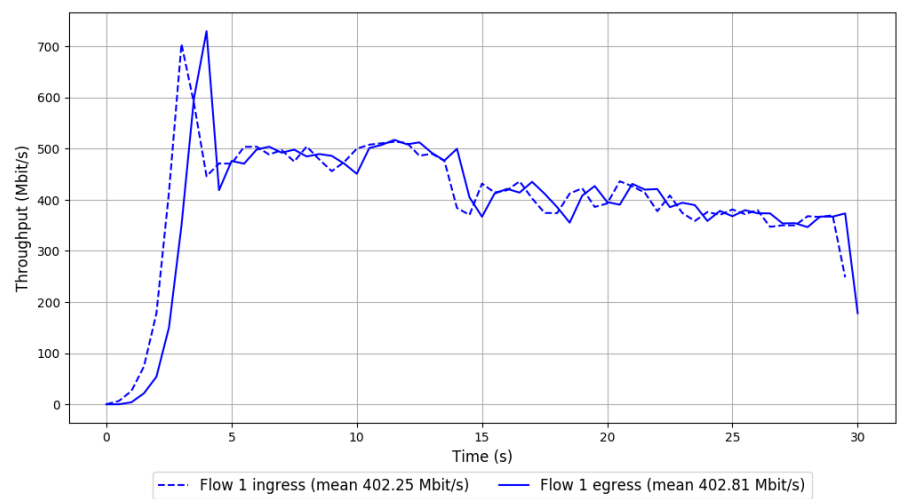
-- Flow 1:

Average throughput: 402.81 Mbit/s

95th percentile per-packet one-way delay: 117.114 ms

Loss rate: 0.61%

Run 3: Report of PCC-Allegro — Data Link

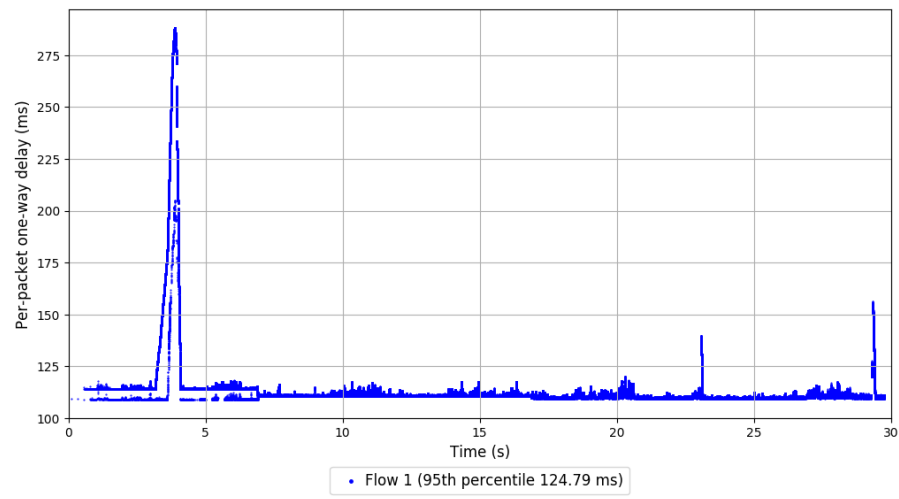
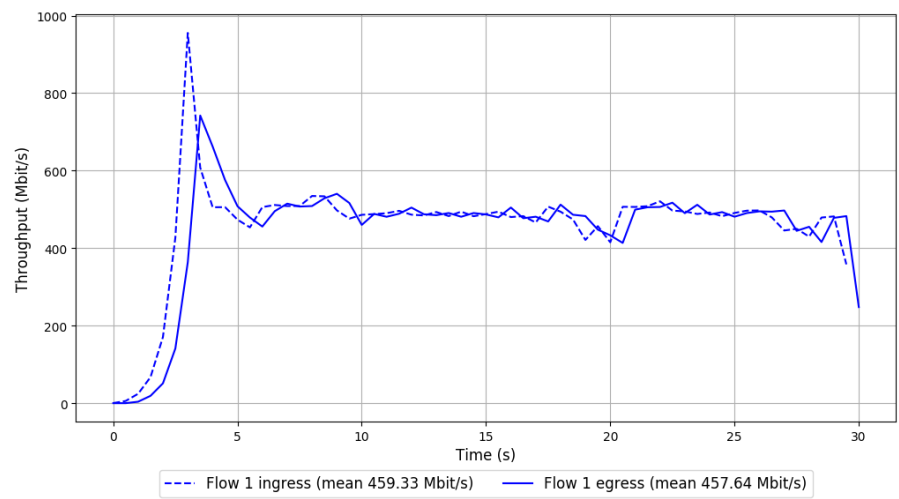


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-10 11:42:16
End at: 2018-08-10 11:42:46
Local clock offset: -0.508 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-08-10 15:20:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 457.64 Mbit/s
95th percentile per-packet one-way delay: 124.792 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 457.64 Mbit/s
95th percentile per-packet one-way delay: 124.792 ms
Loss rate: 1.11%

Run 4: Report of PCC-Allegro — Data Link

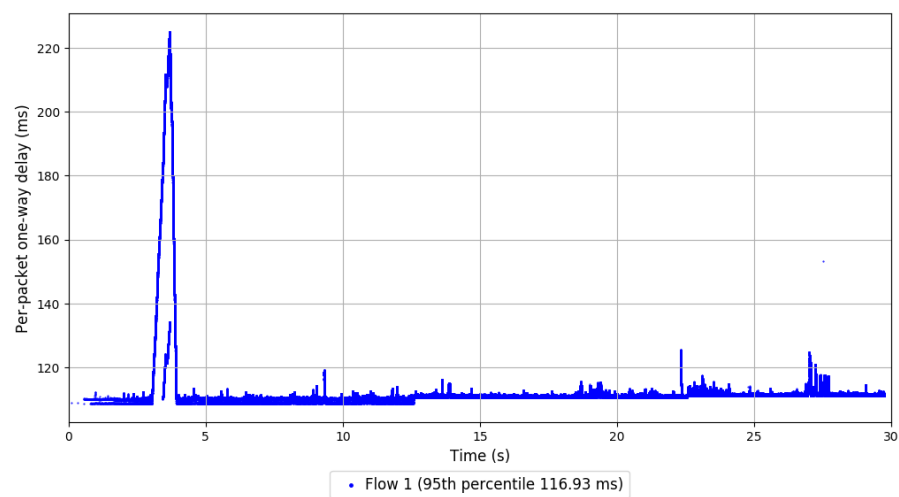
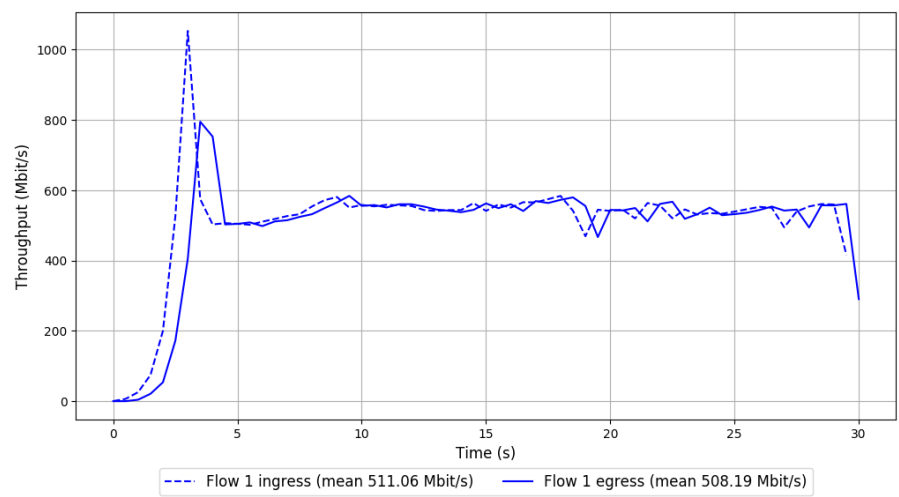


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-10 12:04:50
End at: 2018-08-10 12:05:20
Local clock offset: -0.561 ms
Remote clock offset: -0.514 ms

Below is generated by plot.py at 2018-08-10 15:23:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 508.19 Mbit/s
95th percentile per-packet one-way delay: 116.930 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 508.19 Mbit/s
95th percentile per-packet one-way delay: 116.930 ms
Loss rate: 1.30%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-10 12:27:24

End at: 2018-08-10 12:27:54

Local clock offset: 0.674 ms

Remote clock offset: -0.599 ms

Below is generated by plot.py at 2018-08-10 15:23:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 435.14 Mbit/s

95th percentile per-packet one-way delay: 118.663 ms

Loss rate: 0.78%

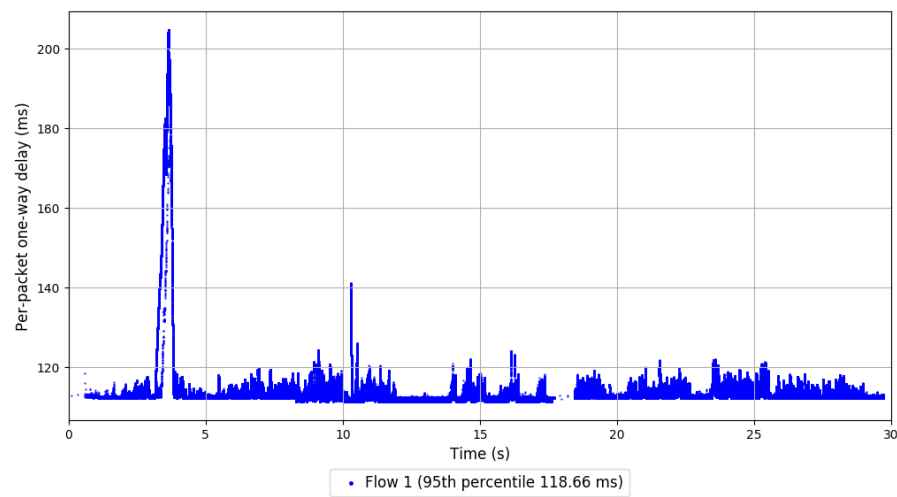
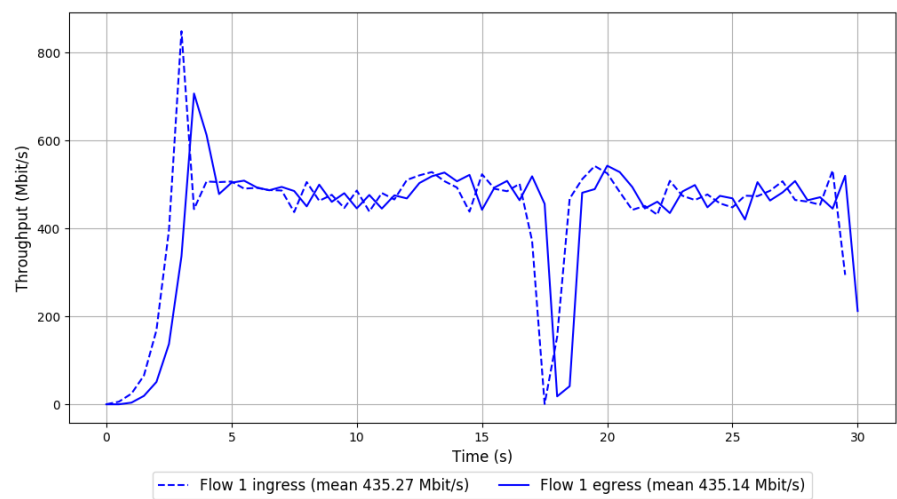
-- Flow 1:

Average throughput: 435.14 Mbit/s

95th percentile per-packet one-way delay: 118.663 ms

Loss rate: 0.78%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-10 12:50:10

End at: 2018-08-10 12:50:40

Local clock offset: 1.095 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-08-10 15:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 550.61 Mbit/s

95th percentile per-packet one-way delay: 173.496 ms

Loss rate: 2.30%

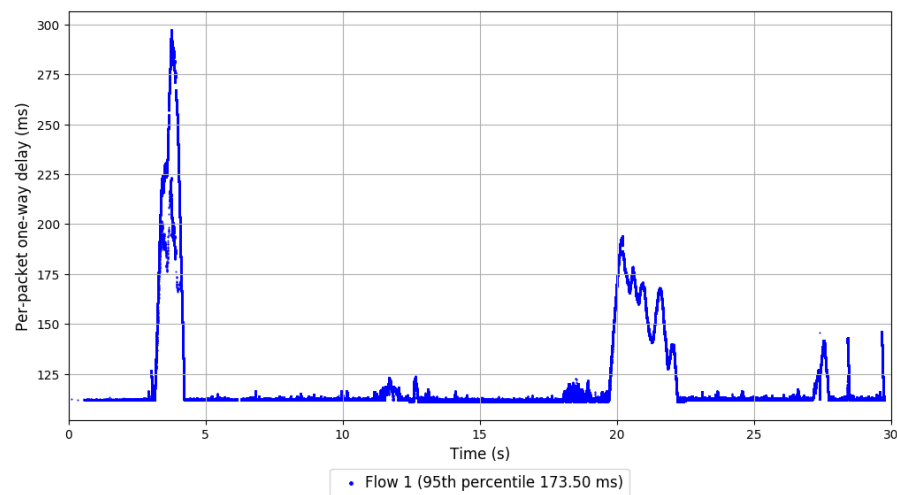
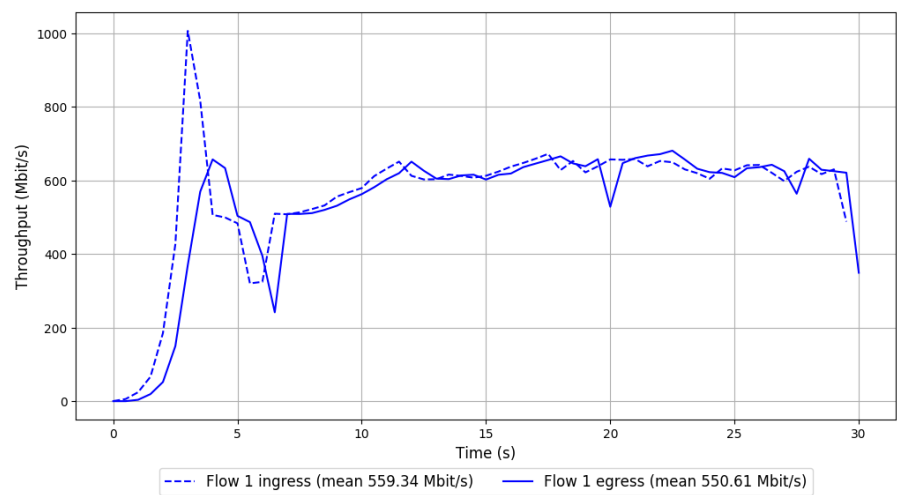
-- Flow 1:

Average throughput: 550.61 Mbit/s

95th percentile per-packet one-way delay: 173.496 ms

Loss rate: 2.30%

Run 7: Report of PCC-Allegro — Data Link

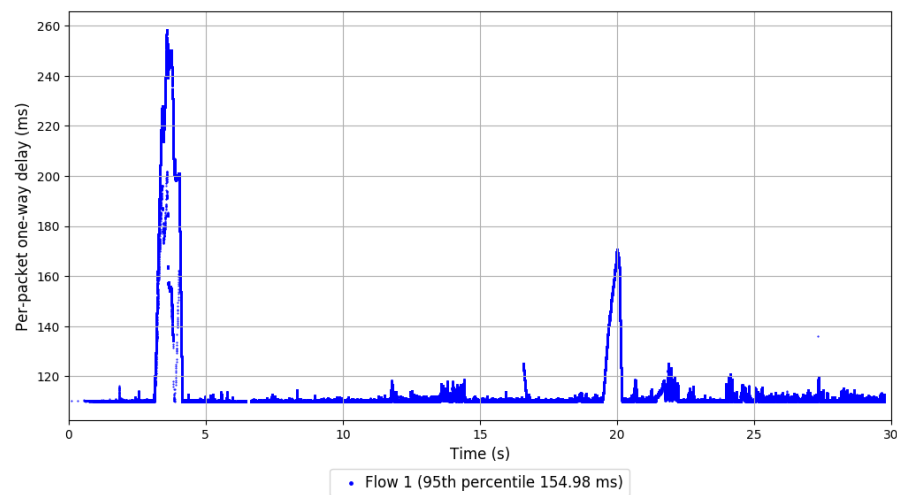
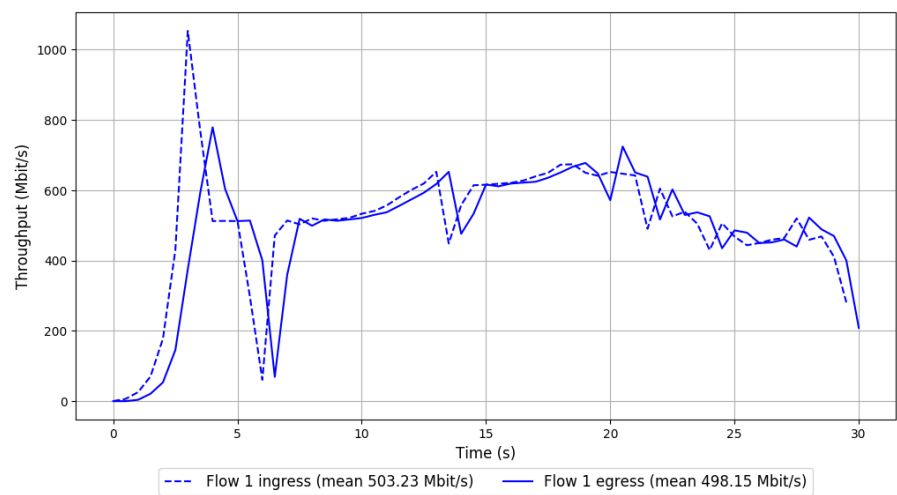


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-10 13:12:59
End at: 2018-08-10 13:13:29
Local clock offset: -0.266 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-08-10 15:27:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 498.15 Mbit/s
95th percentile per-packet one-way delay: 154.983 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 498.15 Mbit/s
95th percentile per-packet one-way delay: 154.983 ms
Loss rate: 1.75%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-10 13:36:24

End at: 2018-08-10 13:36:54

Local clock offset: -0.126 ms

Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-10 15:27:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 440.91 Mbit/s

95th percentile per-packet one-way delay: 125.550 ms

Loss rate: 1.94%

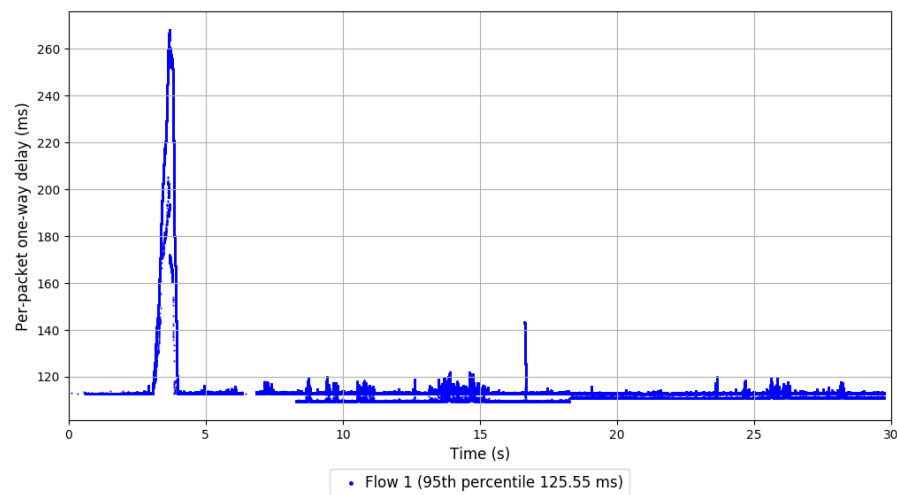
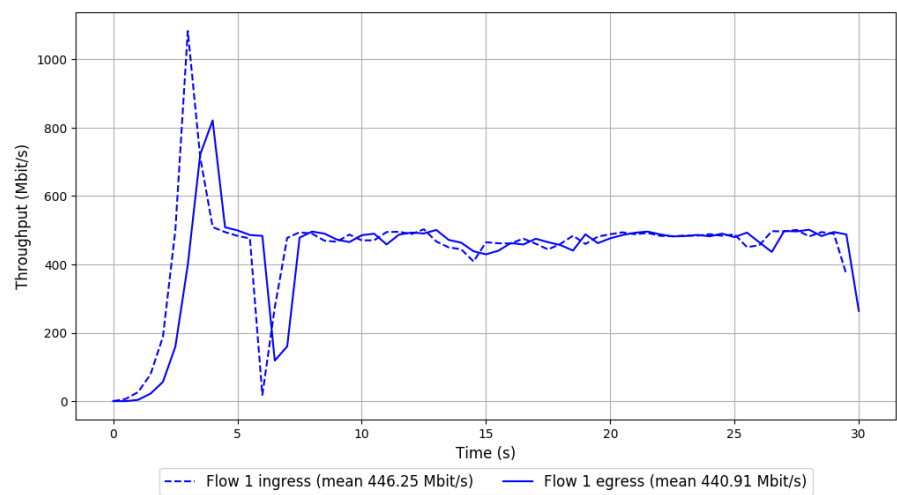
-- Flow 1:

Average throughput: 440.91 Mbit/s

95th percentile per-packet one-way delay: 125.550 ms

Loss rate: 1.94%

Run 9: Report of PCC-Allegro — Data Link

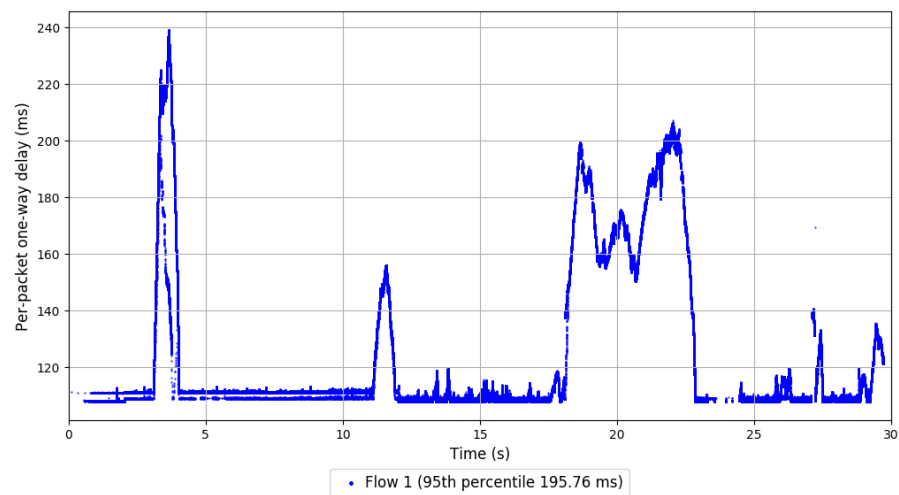
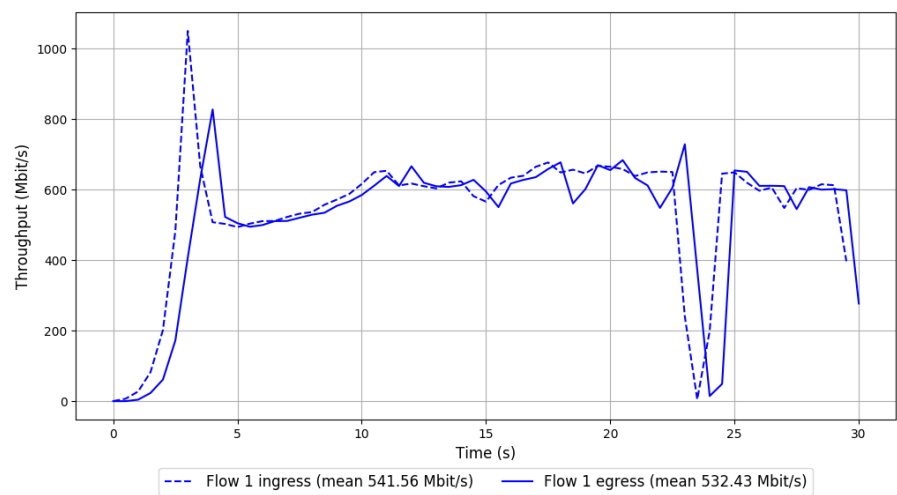


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-10 13:59:20
End at: 2018-08-10 13:59:50
Local clock offset: -1.246 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-10 15:28:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 532.43 Mbit/s
95th percentile per-packet one-way delay: 195.757 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 532.43 Mbit/s
95th percentile per-packet one-way delay: 195.757 ms
Loss rate: 2.42%

Run 10: Report of PCC-Allegro — Data Link

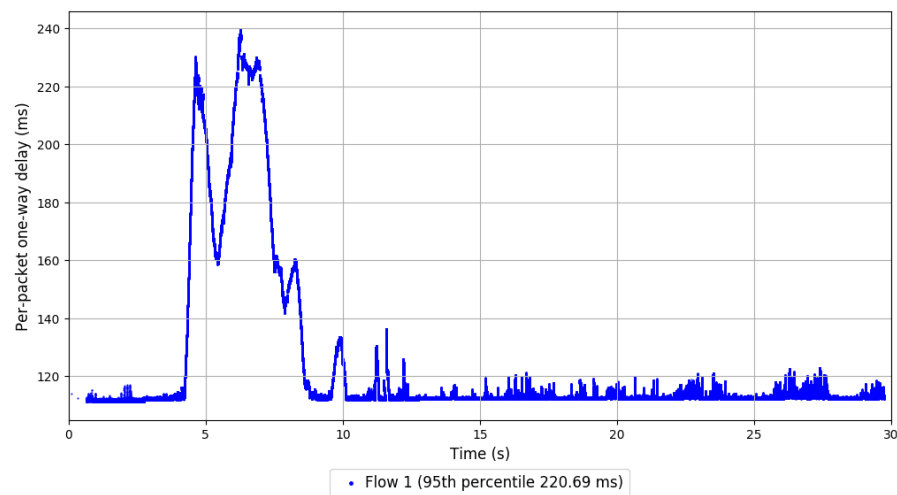
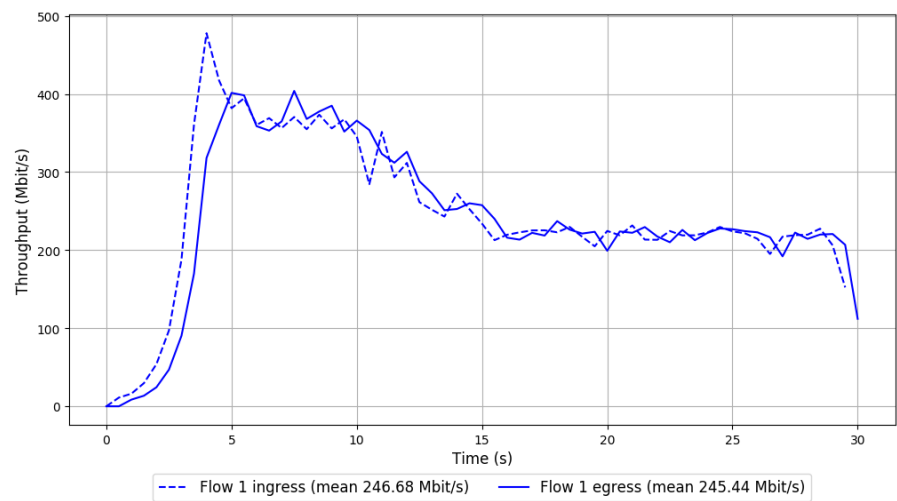


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-10 10:24:40
End at: 2018-08-10 10:25:10
Local clock offset: 0.615 ms
Remote clock offset: -0.525 ms

# Below is generated by plot.py at 2018-08-10 15:28:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 245.44 Mbit/s
95th percentile per-packet one-way delay: 220.689 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 245.44 Mbit/s
95th percentile per-packet one-way delay: 220.689 ms
Loss rate: 1.26%
```

Run 1: Report of PCC-Expr — Data Link

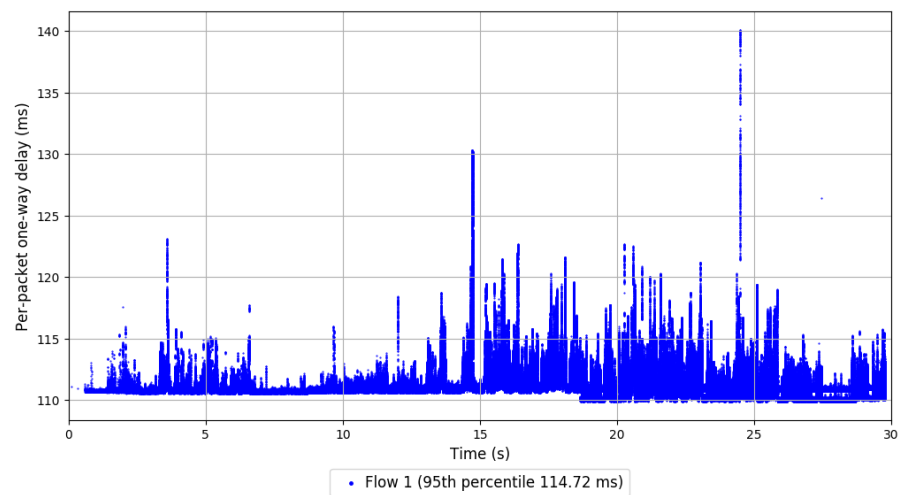
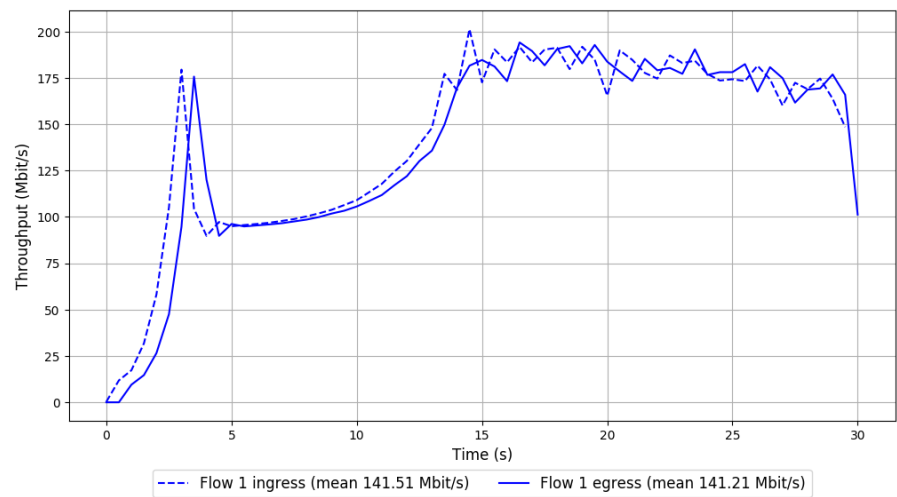


Run 2: Statistics of PCC-Expr

Start at: 2018-08-10 10:47:14
End at: 2018-08-10 10:47:44
Local clock offset: -0.312 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-08-10 15:28:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.21 Mbit/s
95th percentile per-packet one-way delay: 114.717 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 141.21 Mbit/s
95th percentile per-packet one-way delay: 114.717 ms
Loss rate: 0.97%

Run 2: Report of PCC-Expr — Data Link

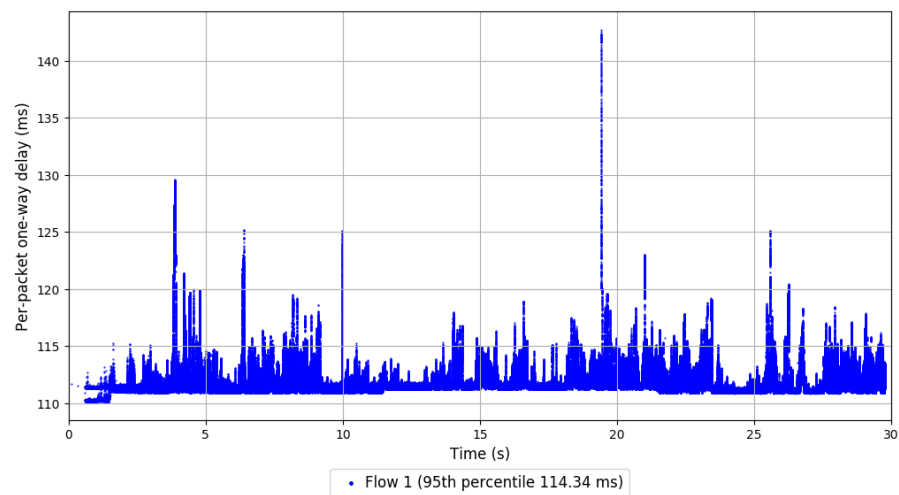
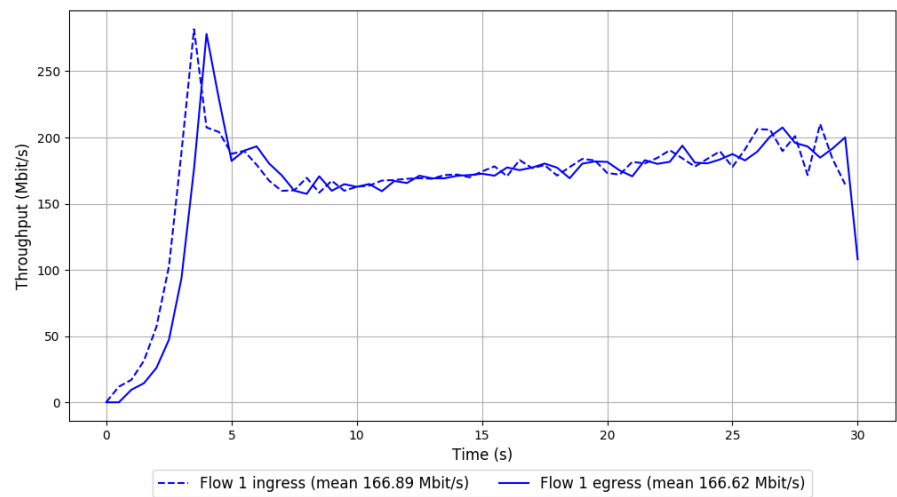


Run 3: Statistics of PCC-Expr

Start at: 2018-08-10 11:09:21
End at: 2018-08-10 11:09:51
Local clock offset: -0.023 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-10 15:29:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.62 Mbit/s
95th percentile per-packet one-way delay: 114.339 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 166.62 Mbit/s
95th percentile per-packet one-way delay: 114.339 ms
Loss rate: 0.91%

Run 3: Report of PCC-Expr — Data Link

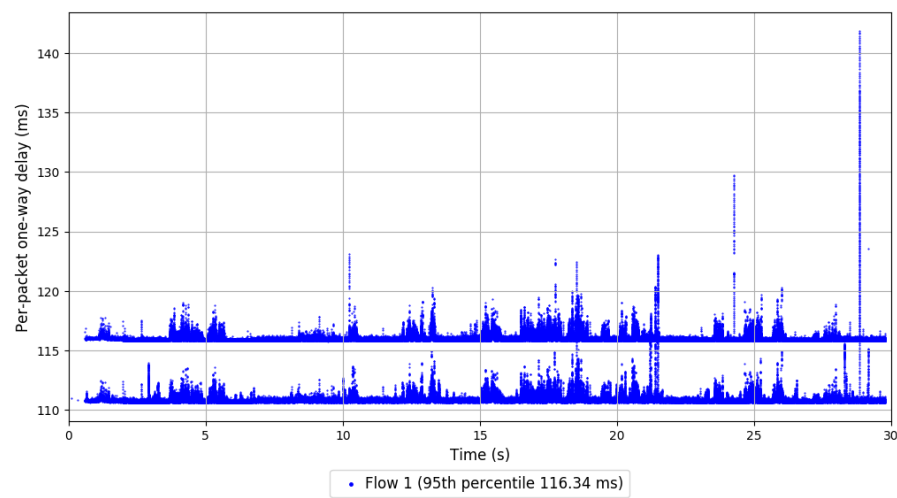
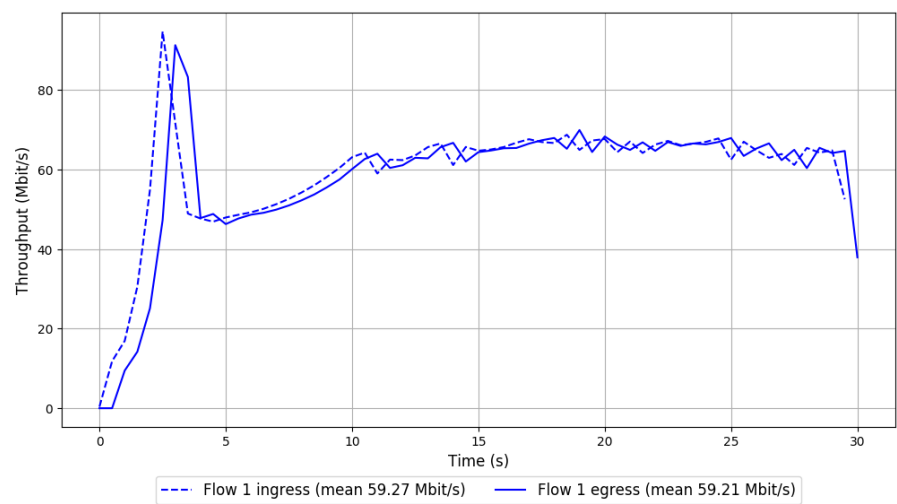


Run 4: Statistics of PCC-Expr

Start at: 2018-08-10 11:31:51
End at: 2018-08-10 11:32:21
Local clock offset: 1.409 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-10 15:29:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 116.344 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 116.344 ms
Loss rate: 0.83%

Run 4: Report of PCC-Expr — Data Link

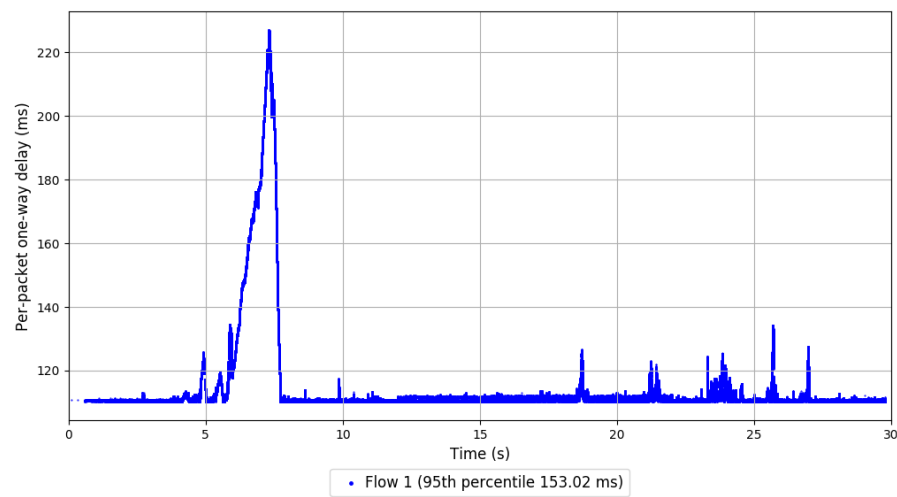
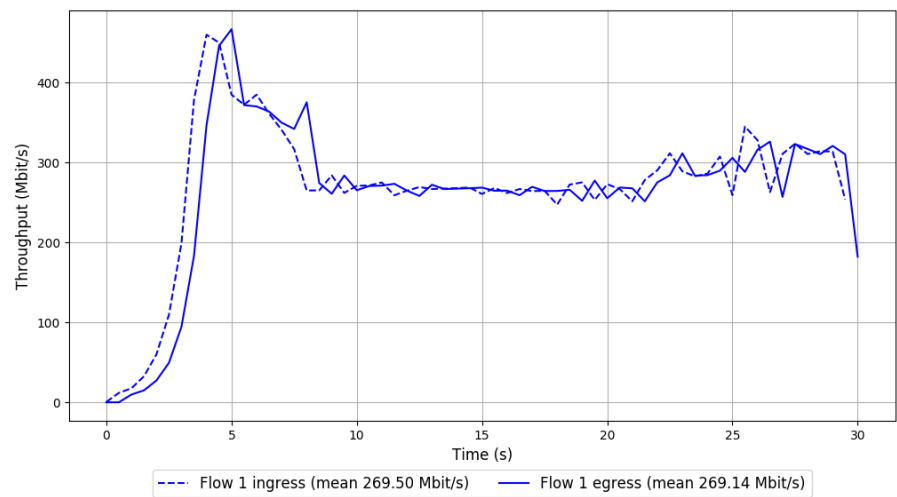


Run 5: Statistics of PCC-Expr

Start at: 2018-08-10 11:53:50
End at: 2018-08-10 11:54:20
Local clock offset: 0.104 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-08-10 15:33:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.14 Mbit/s
95th percentile per-packet one-way delay: 153.023 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 269.14 Mbit/s
95th percentile per-packet one-way delay: 153.023 ms
Loss rate: 0.88%

Run 5: Report of PCC-Expr — Data Link

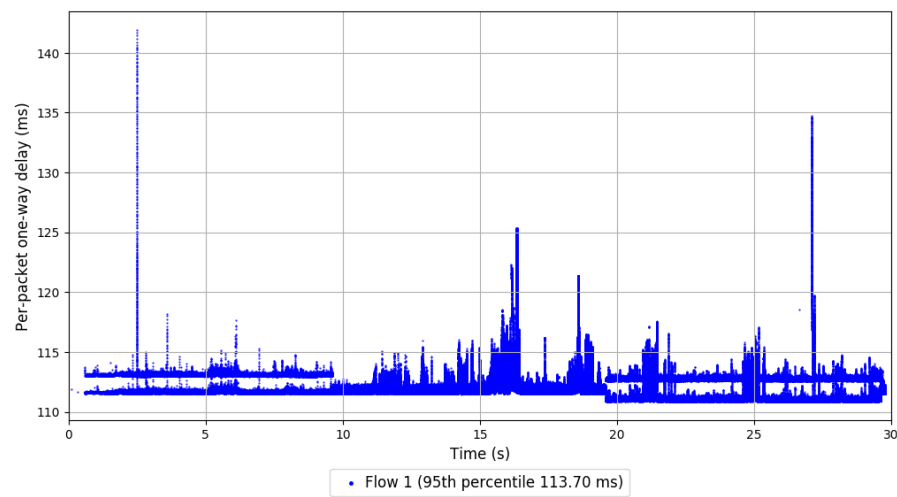
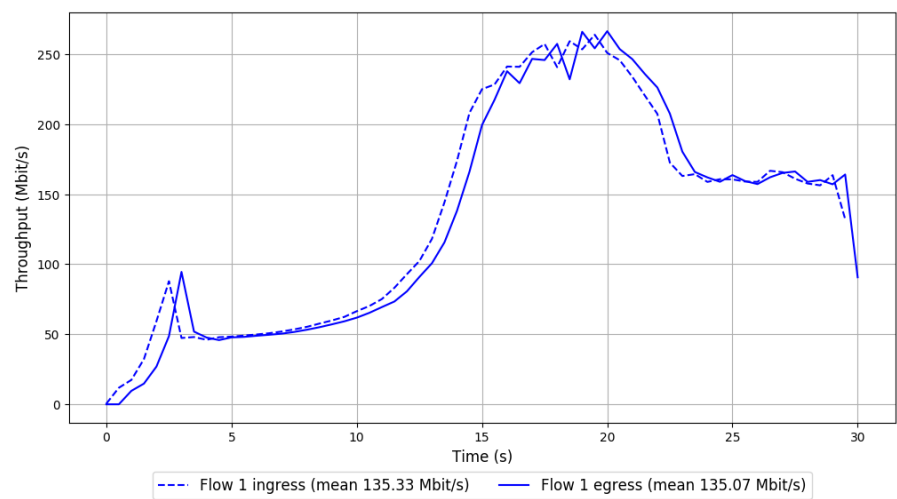


Run 6: Statistics of PCC-Expr

Start at: 2018-08-10 12:16:33
End at: 2018-08-10 12:17:03
Local clock offset: 1.36 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-08-10 15:33:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.07 Mbit/s
95th percentile per-packet one-way delay: 113.696 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 135.07 Mbit/s
95th percentile per-packet one-way delay: 113.696 ms
Loss rate: 0.93%

Run 6: Report of PCC-Expr — Data Link

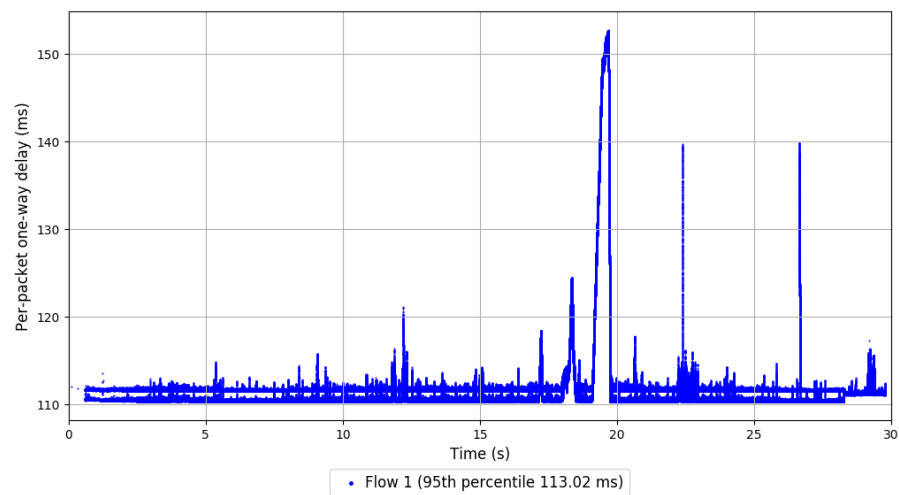
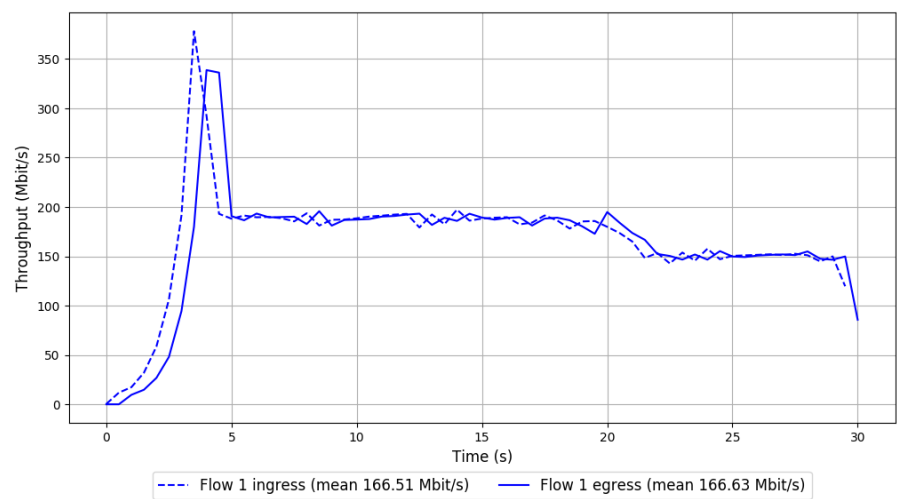


Run 7: Statistics of PCC-Expr

Start at: 2018-08-10 12:39:14
End at: 2018-08-10 12:39:44
Local clock offset: 0.003 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-08-10 15:33:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.63 Mbit/s
95th percentile per-packet one-way delay: 113.020 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 166.63 Mbit/s
95th percentile per-packet one-way delay: 113.020 ms
Loss rate: 0.68%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-10 13:01:54

End at: 2018-08-10 13:02:24

Local clock offset: -0.87 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-08-10 15:34:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.11 Mbit/s

95th percentile per-packet one-way delay: 224.956 ms

Loss rate: 1.83%

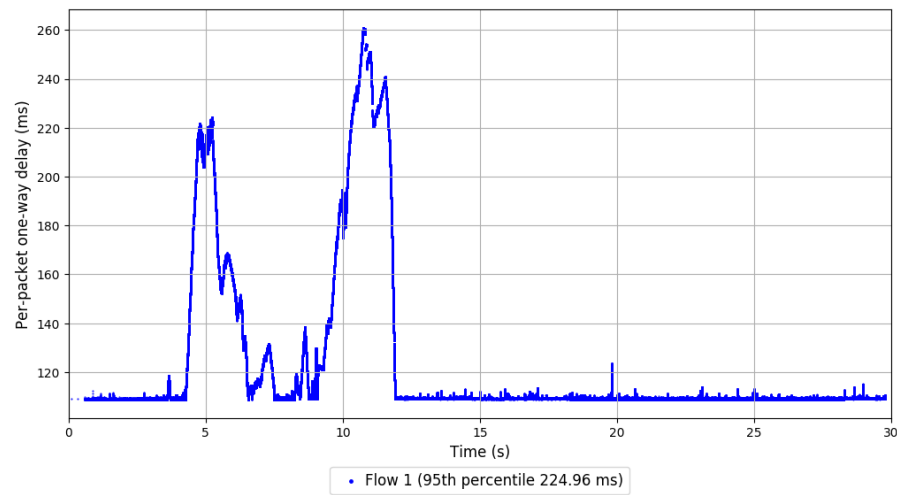
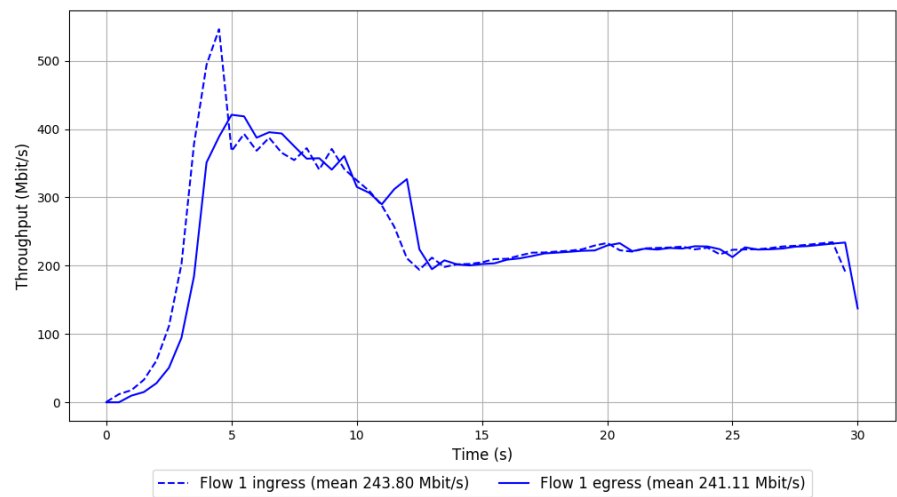
-- Flow 1:

Average throughput: 241.11 Mbit/s

95th percentile per-packet one-way delay: 224.956 ms

Loss rate: 1.83%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-10 13:25:15

End at: 2018-08-10 13:25:45

Local clock offset: -1.375 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2018-08-10 15:34:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.56 Mbit/s

95th percentile per-packet one-way delay: 113.271 ms

Loss rate: 1.13%

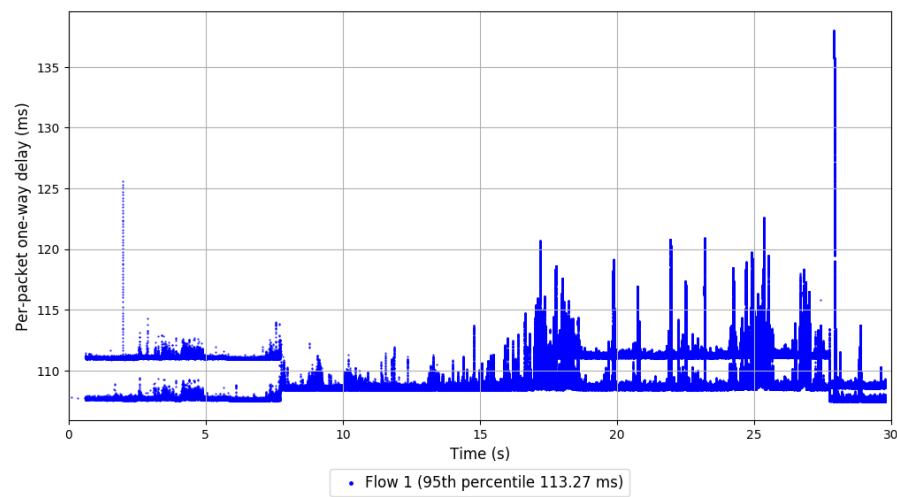
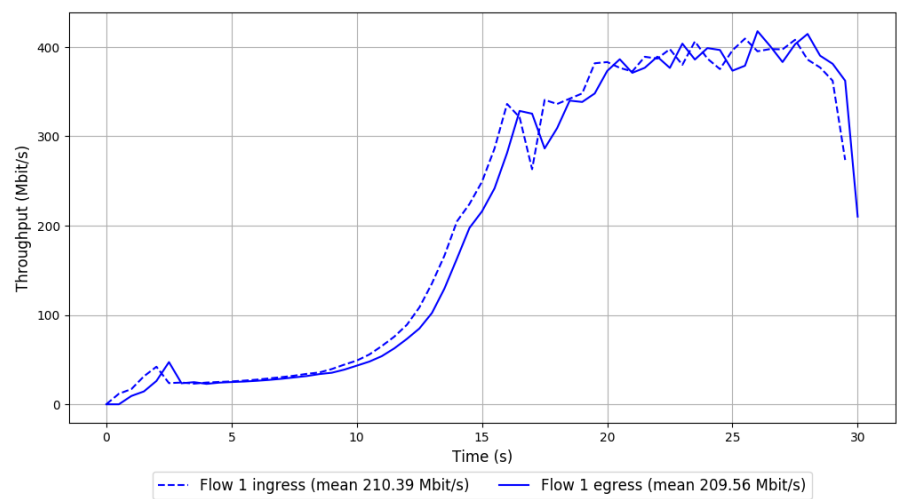
-- Flow 1:

Average throughput: 209.56 Mbit/s

95th percentile per-packet one-way delay: 113.271 ms

Loss rate: 1.13%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-10 13:48:11

End at: 2018-08-10 13:48:41

Local clock offset: 1.312 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-08-10 15:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.33 Mbit/s

95th percentile per-packet one-way delay: 252.044 ms

Loss rate: 5.45%

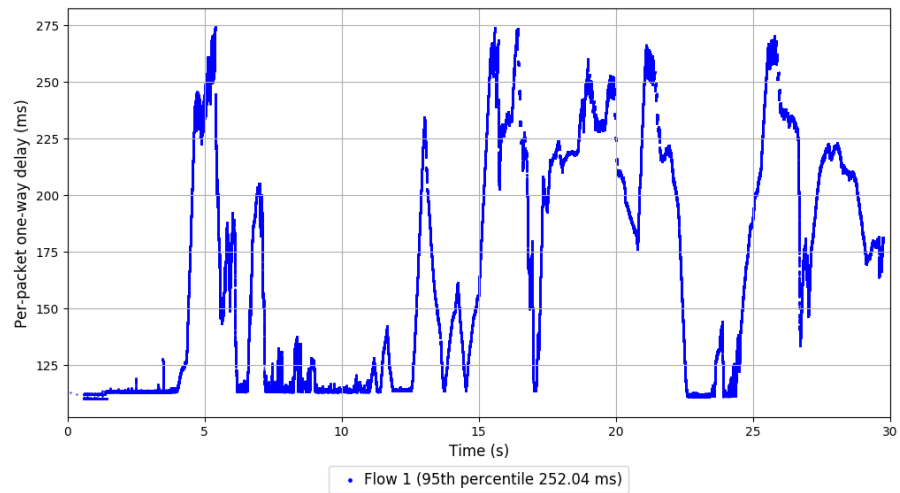
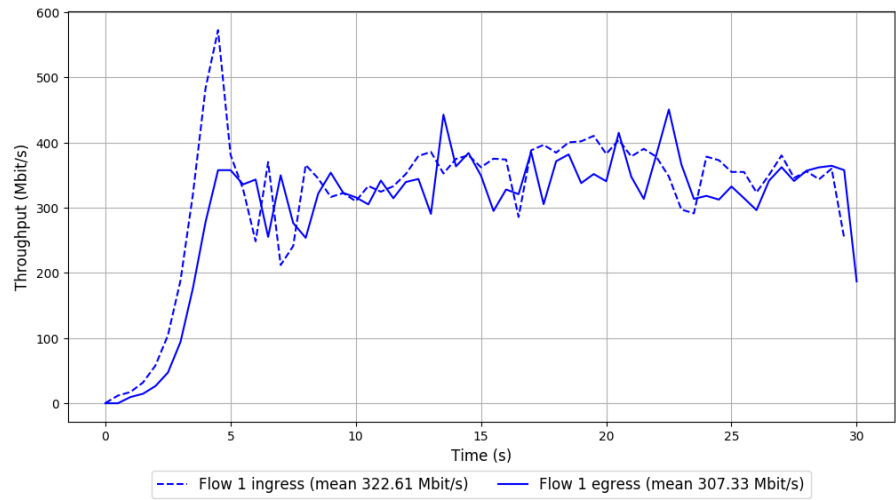
-- Flow 1:

Average throughput: 307.33 Mbit/s

95th percentile per-packet one-way delay: 252.044 ms

Loss rate: 5.45%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

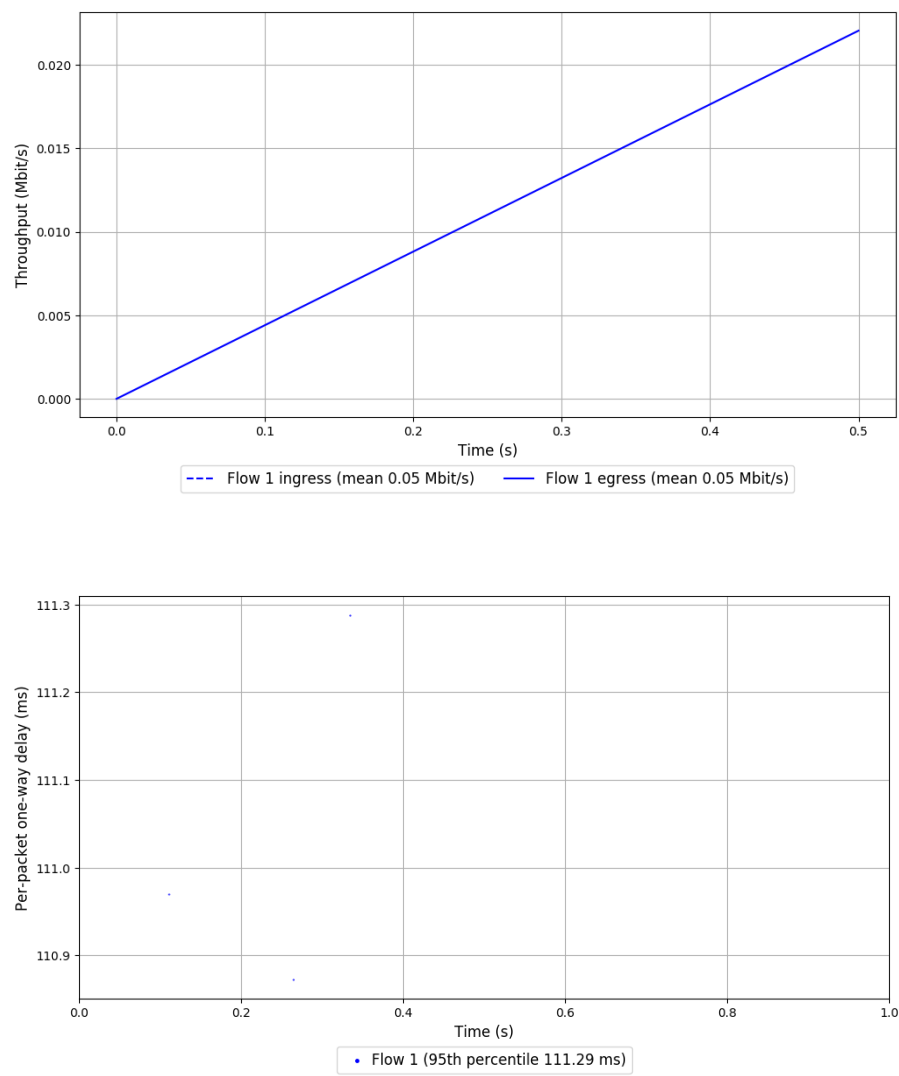
Start at: 2018-08-10 10:40:49

End at: 2018-08-10 10:41:19

Local clock offset: 0.038 ms

Remote clock offset: 0.201 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

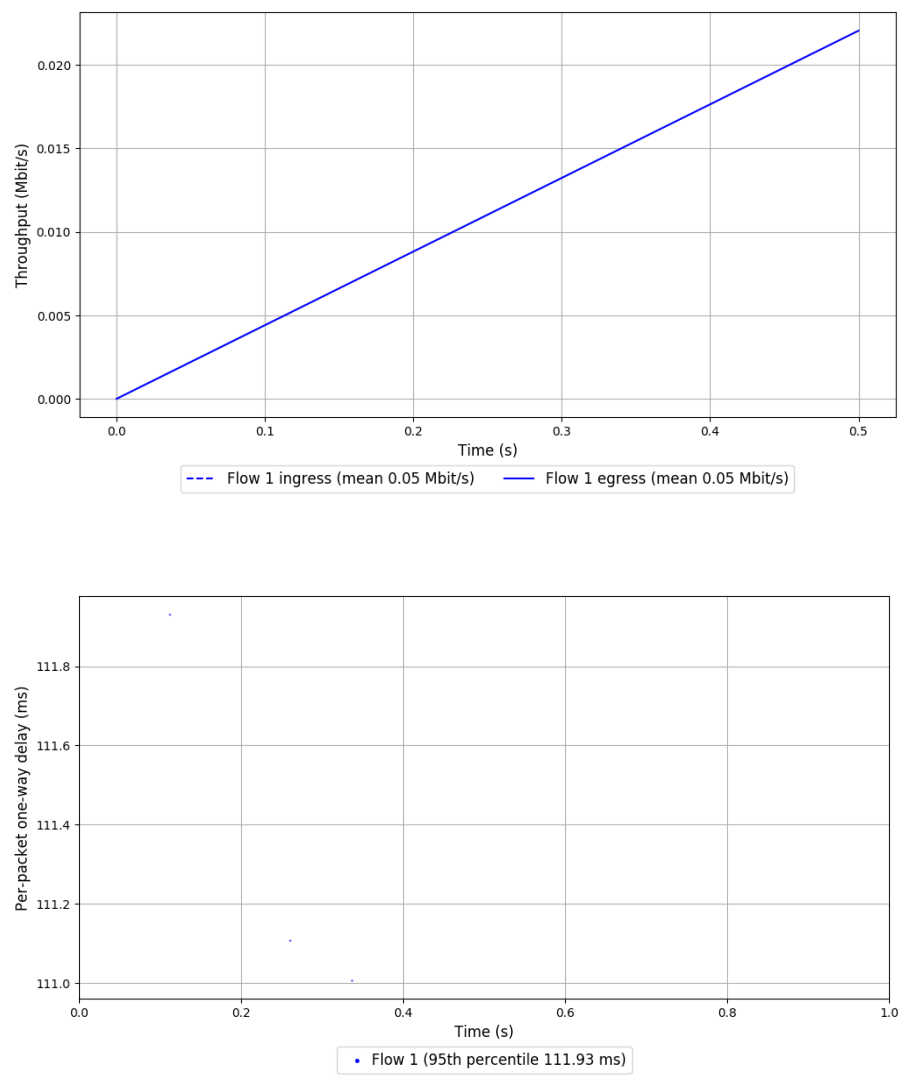
Start at: 2018-08-10 11:03:01

End at: 2018-08-10 11:03:31

Local clock offset: -0.65 ms

Remote clock offset: -0.136 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

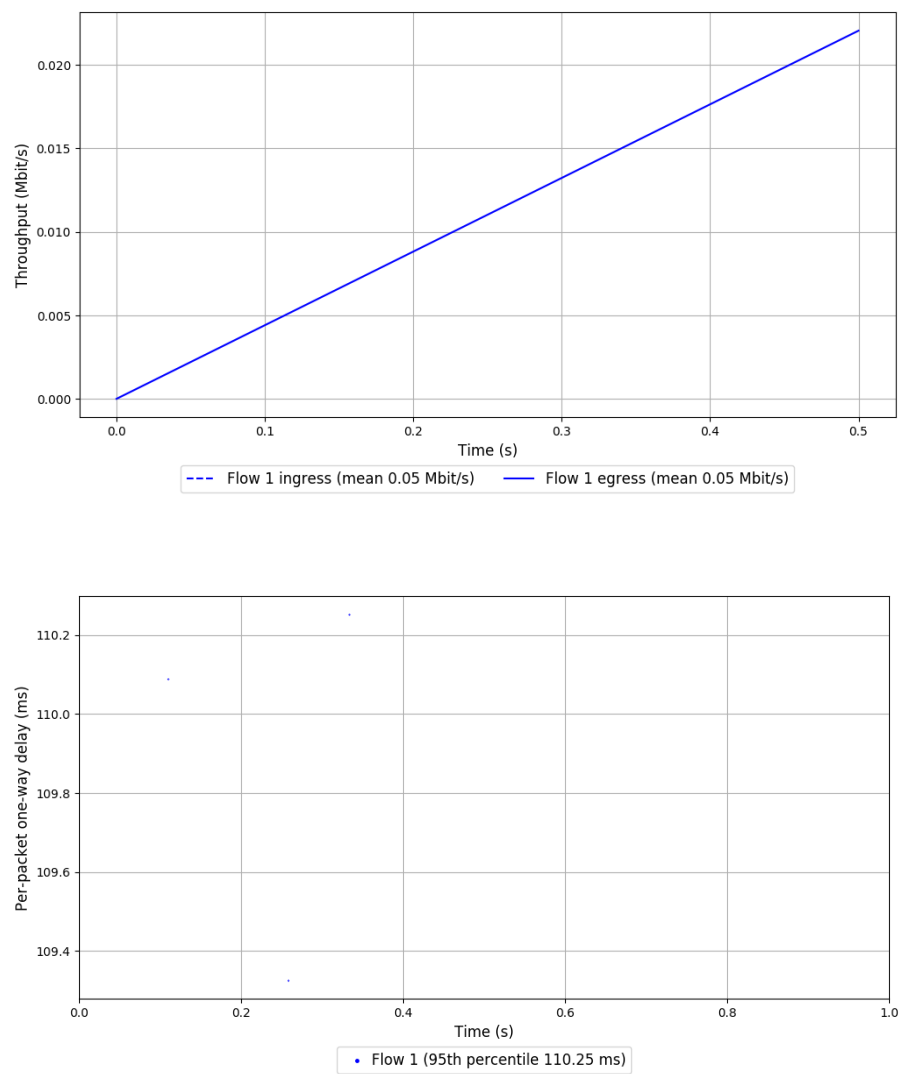
Start at: 2018-08-10 11:25:23

End at: 2018-08-10 11:25:53

Local clock offset: 0.017 ms

Remote clock offset: 0.071 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

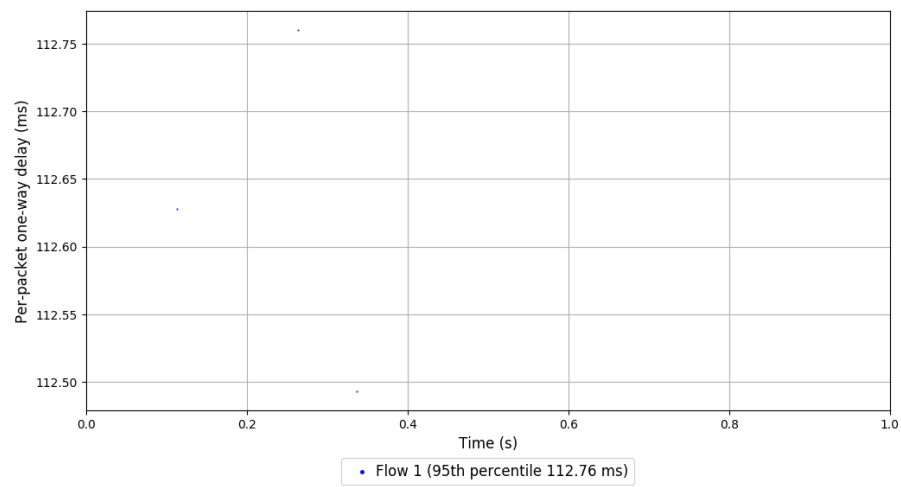
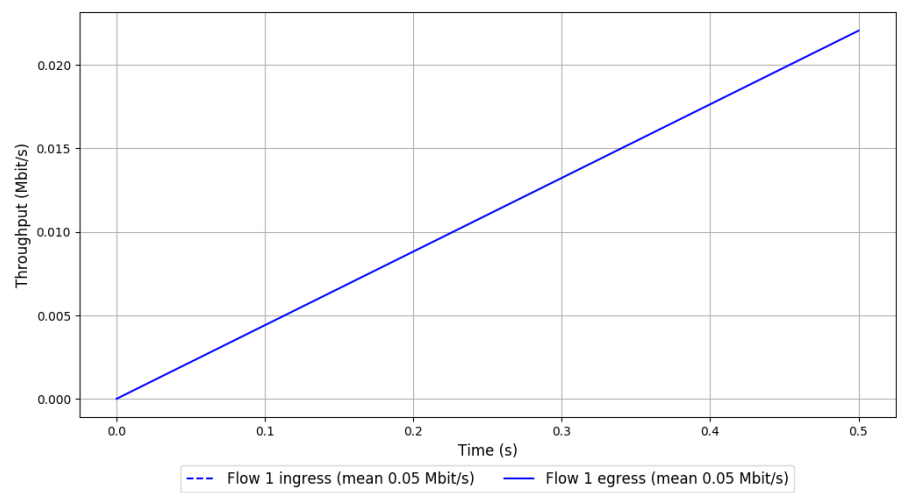
Start at: 2018-08-10 11:47:25

End at: 2018-08-10 11:47:55

Local clock offset: -0.433 ms

Remote clock offset: -0.553 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

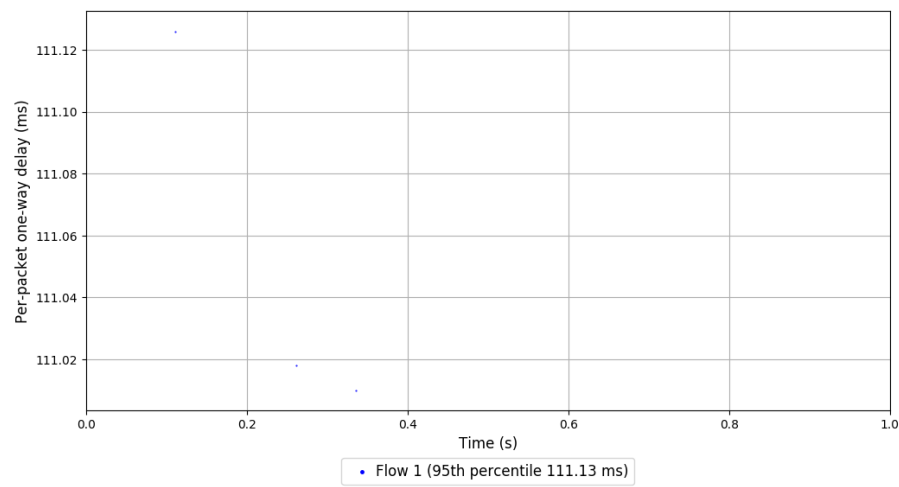
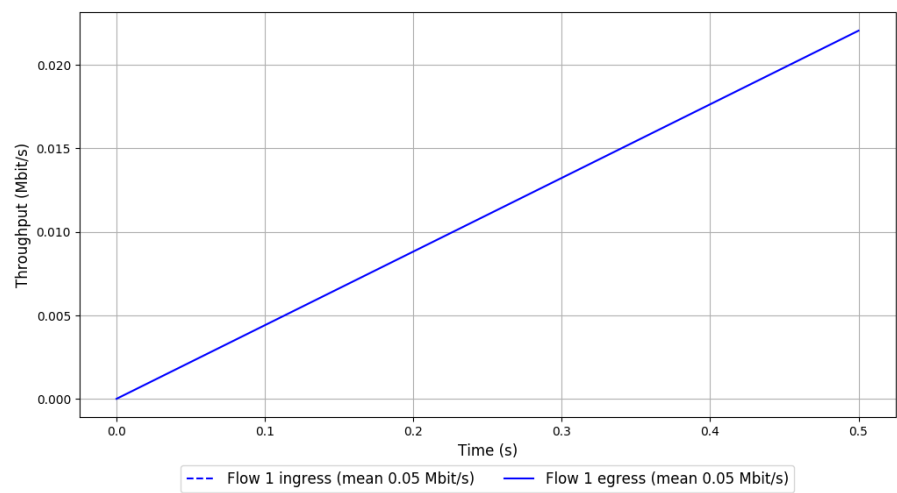
Start at: 2018-08-10 12:10:04

End at: 2018-08-10 12:10:34

Local clock offset: -0.406 ms

Remote clock offset: -0.103 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

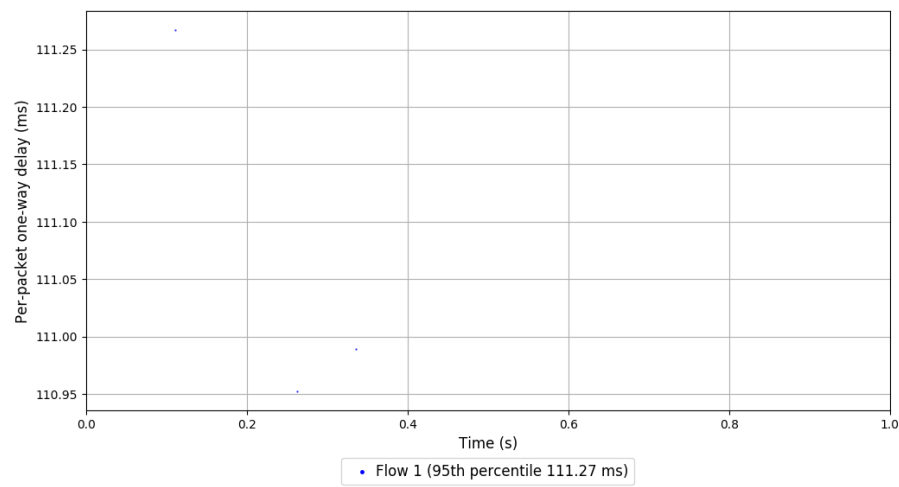
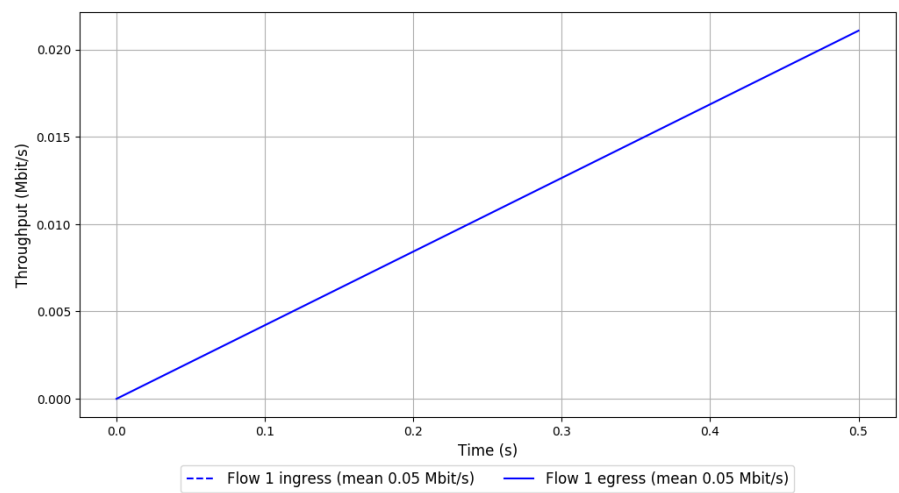
Start at: 2018-08-10 12:32:40

End at: 2018-08-10 12:33:10

Local clock offset: -0.011 ms

Remote clock offset: 0.157 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

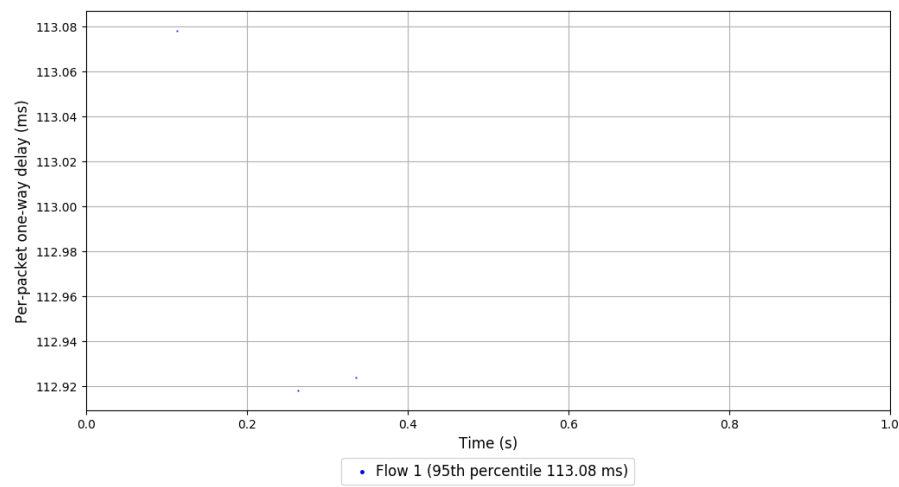
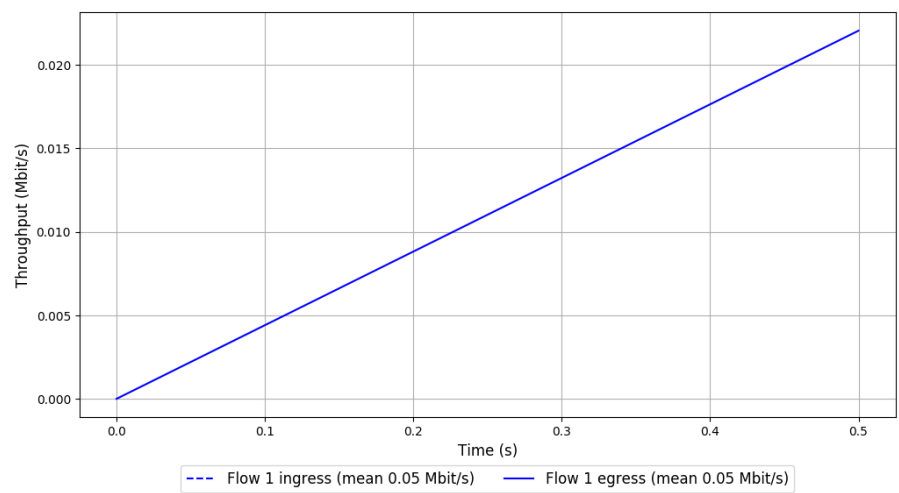
Start at: 2018-08-10 12:55:24

End at: 2018-08-10 12:55:54

Local clock offset: 1.255 ms

Remote clock offset: -0.222 ms

Run 7: Report of QUIC Cubic — Data Link

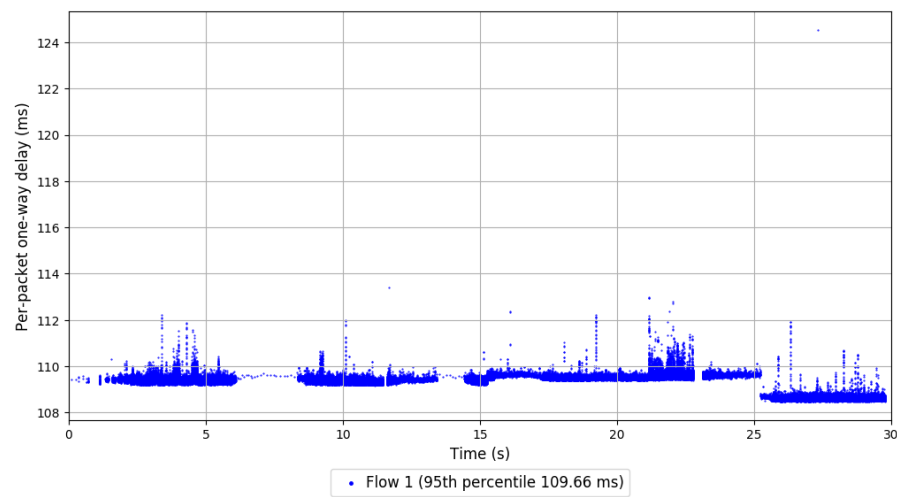
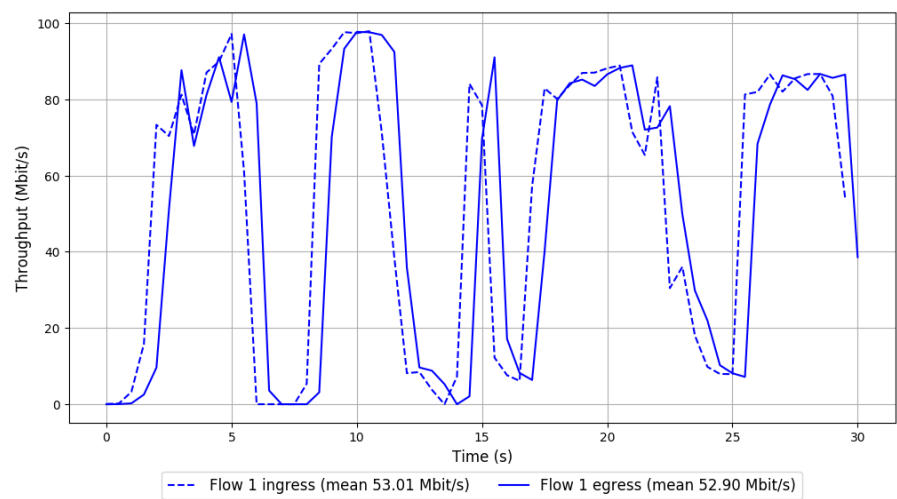


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-10 13:18:27
End at: 2018-08-10 13:18:57
Local clock offset: -0.729 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 109.657 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 109.657 ms
Loss rate: 0.93%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

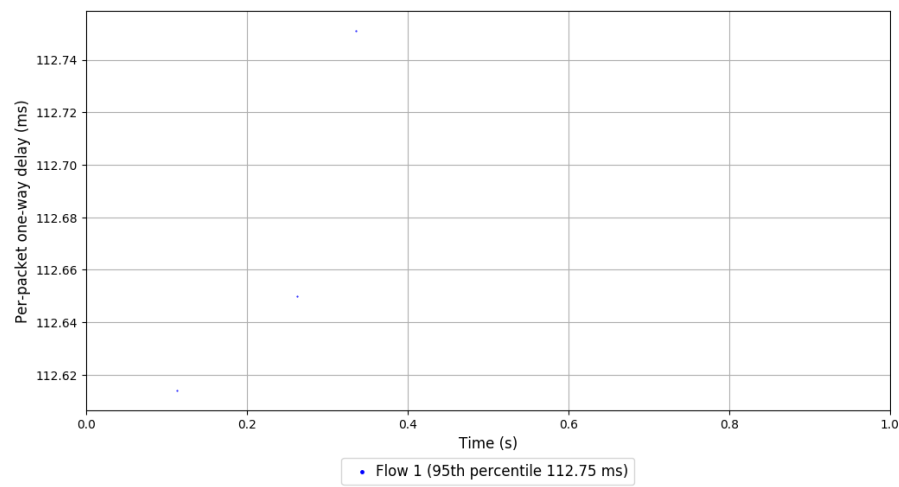
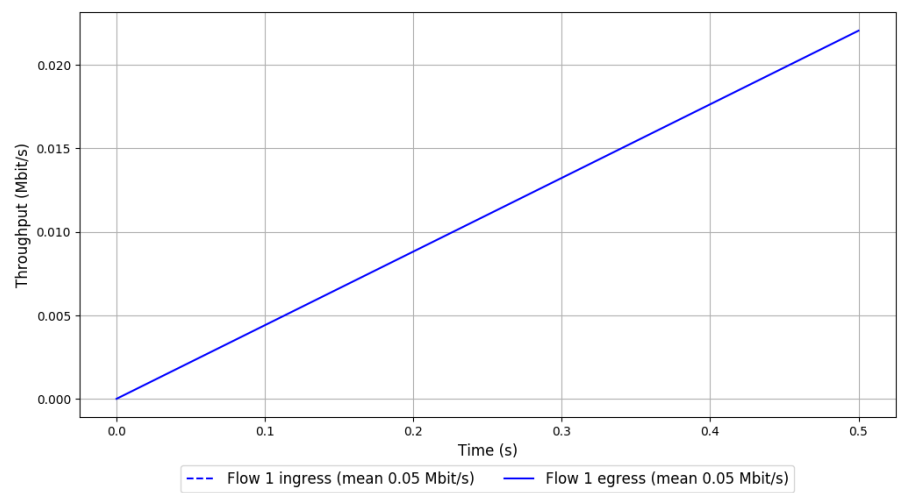
Start at: 2018-08-10 13:41:40

End at: 2018-08-10 13:42:10

Local clock offset: 0.158 ms

Remote clock offset: 0.248 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

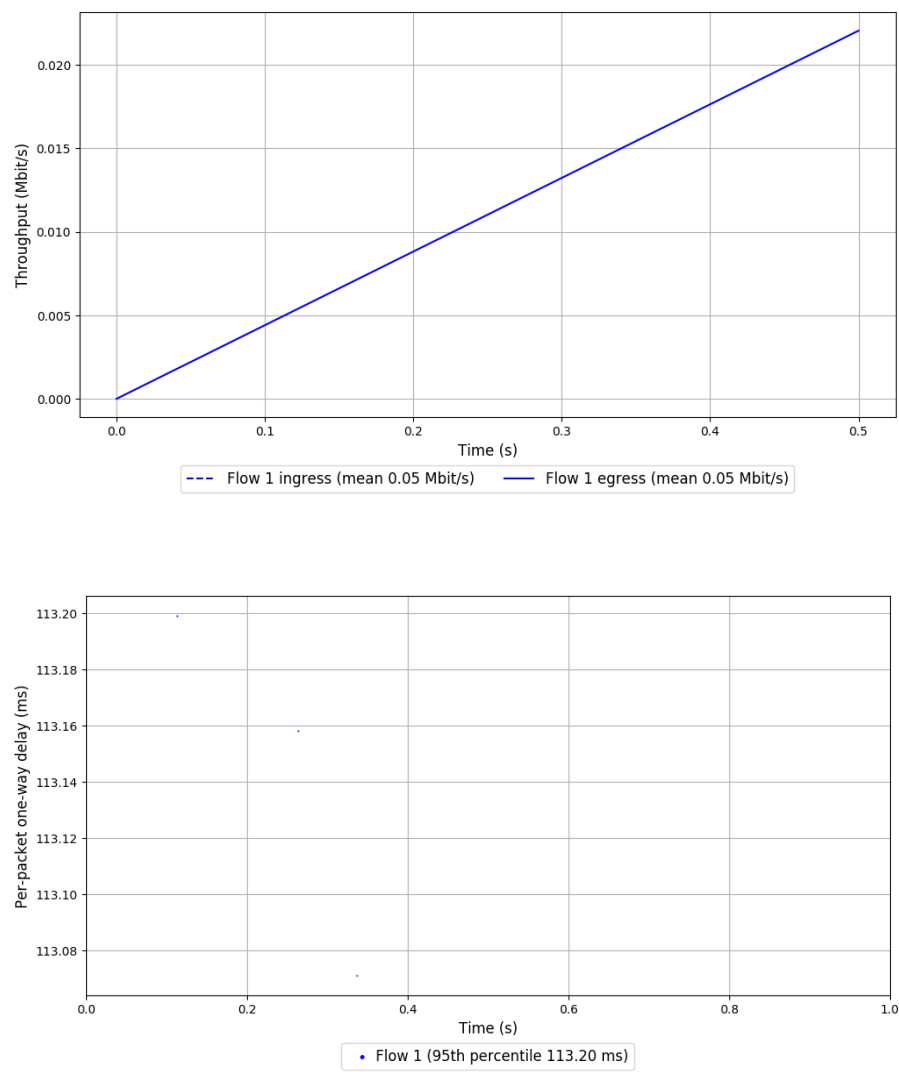
Start at: 2018-08-10 14:04:41

End at: 2018-08-10 14:05:11

Local clock offset: 0.72 ms

Remote clock offset: -0.103 ms

Run 10: Report of QUIC Cubic — Data Link

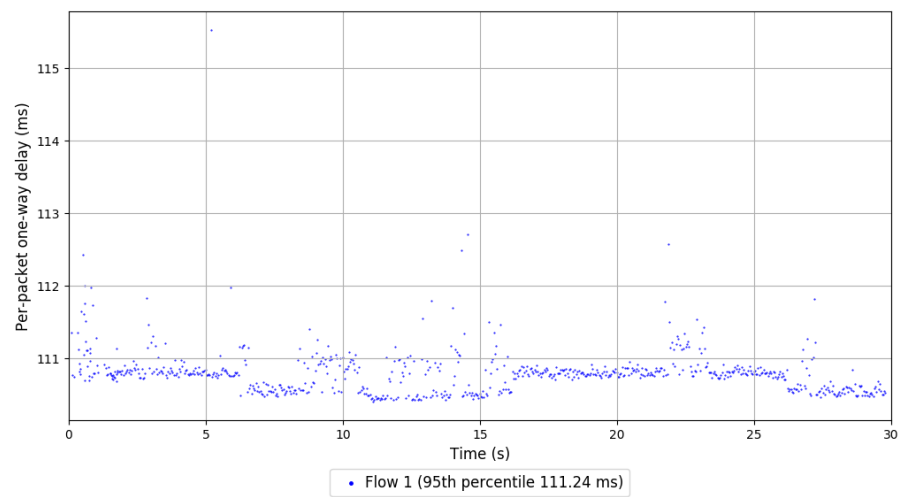
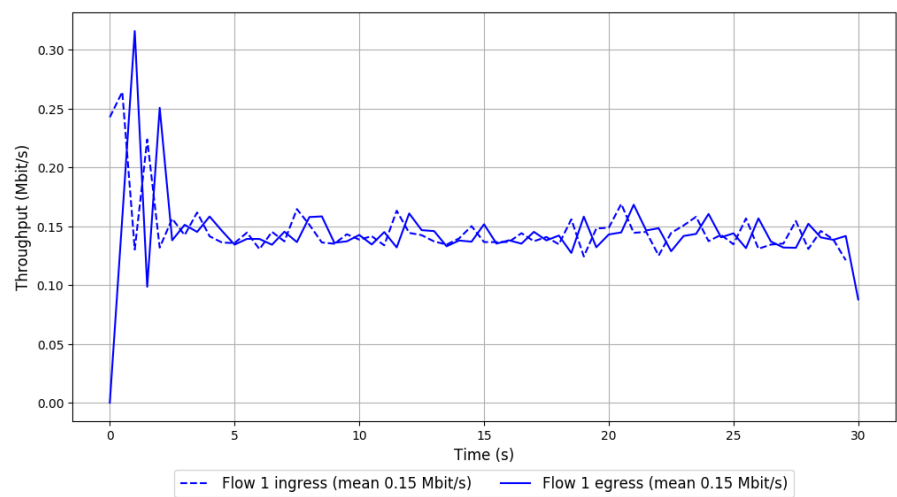


Run 1: Statistics of SCReAM

Start at: 2018-08-10 10:41:56
End at: 2018-08-10 10:42:26
Local clock offset: -0.736 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 111.240 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 111.240 ms
Loss rate: 0.75%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-08-10 11:04:08

End at: 2018-08-10 11:04:38

Local clock offset: -0.17 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-08-10 15:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.77%

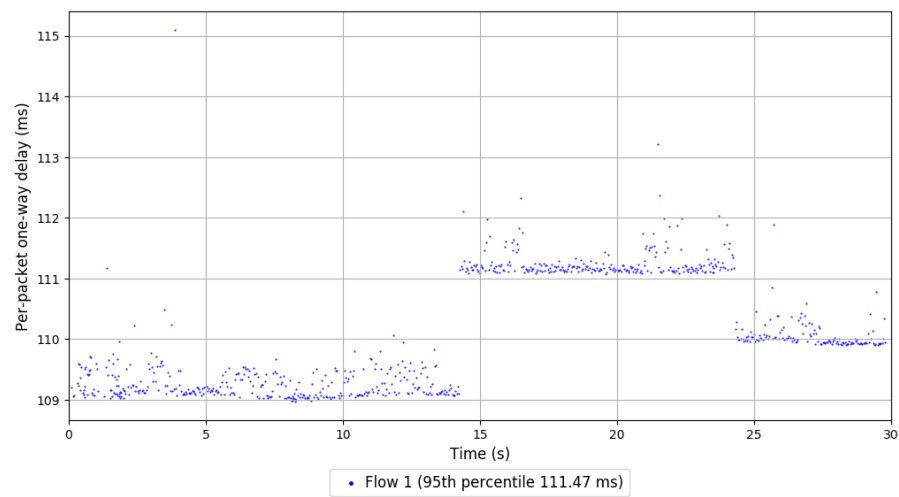
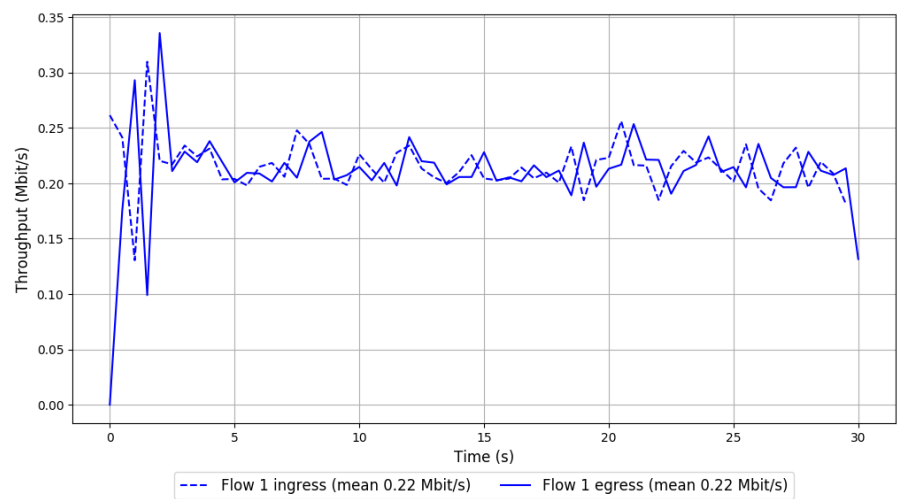
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.77%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-10 11:26:30

End at: 2018-08-10 11:27:00

Local clock offset: -0.024 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-08-10 15:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.327 ms

Loss rate: 0.76%

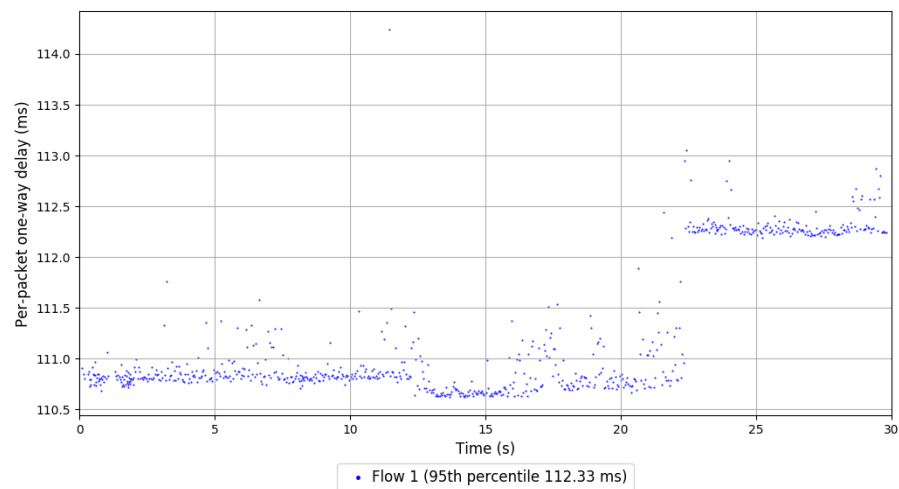
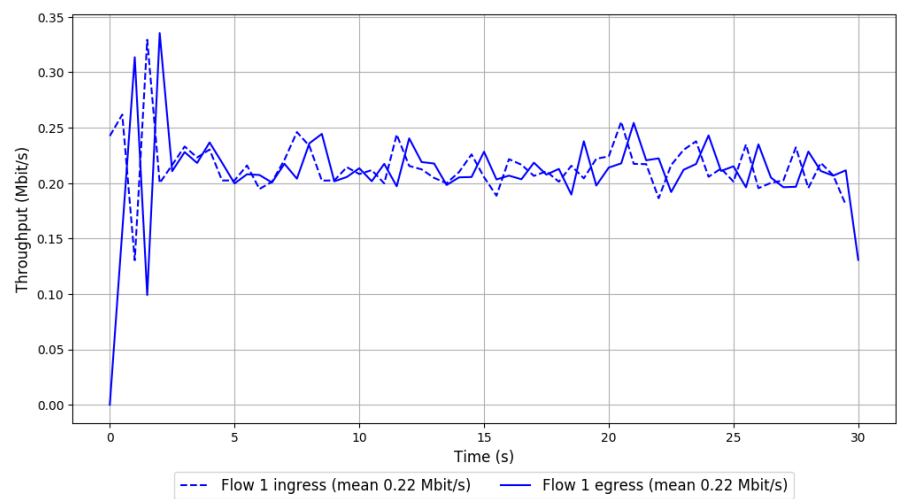
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.327 ms

Loss rate: 0.76%

Run 3: Report of SReAM — Data Link

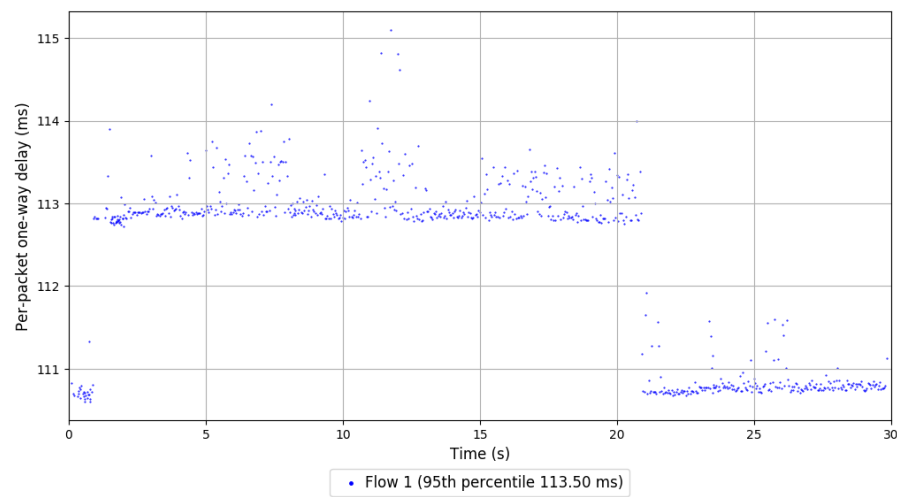
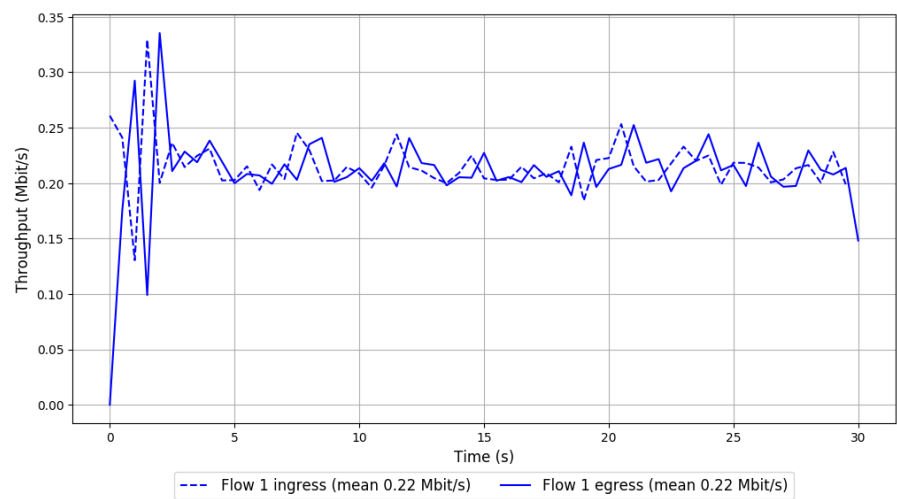


Run 4: Statistics of SCReAM

Start at: 2018-08-10 11:48:32
End at: 2018-08-10 11:49:02
Local clock offset: 1.297 ms
Remote clock offset: -0.516 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.500 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.500 ms
Loss rate: 0.77%

Run 4: Report of SReAM — Data Link

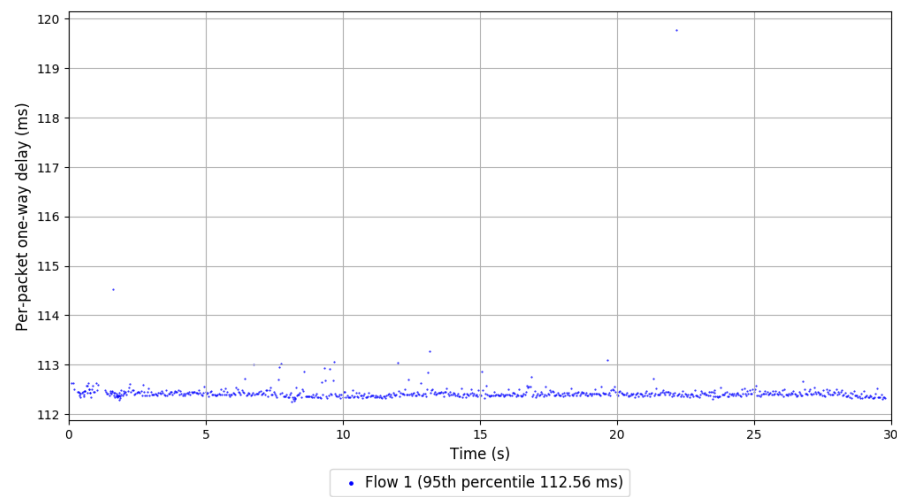
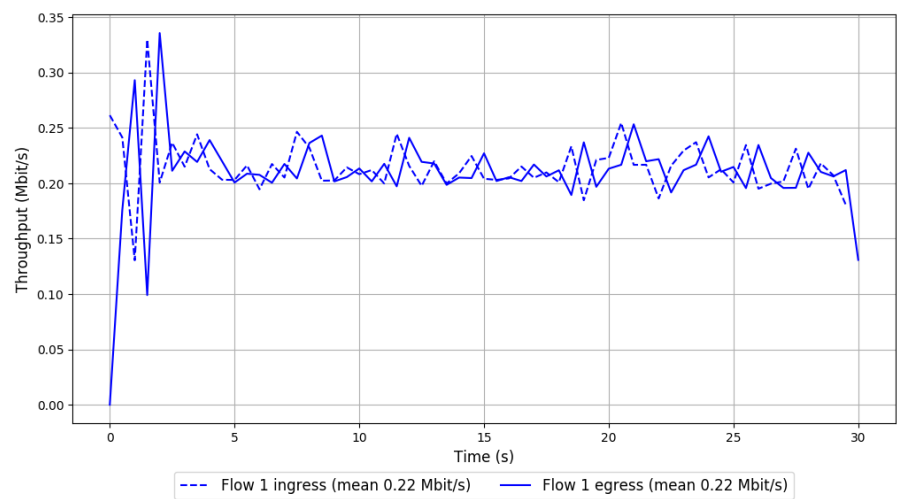


Run 5: Statistics of SCReAM

Start at: 2018-08-10 12:11:11
End at: 2018-08-10 12:11:41
Local clock offset: 0.788 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.560 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.560 ms
Loss rate: 0.76%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-10 12:33:47

End at: 2018-08-10 12:34:17

Local clock offset: 0.432 ms

Remote clock offset: -0.62 ms

Below is generated by plot.py at 2018-08-10 15:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.306 ms

Loss rate: 0.64%

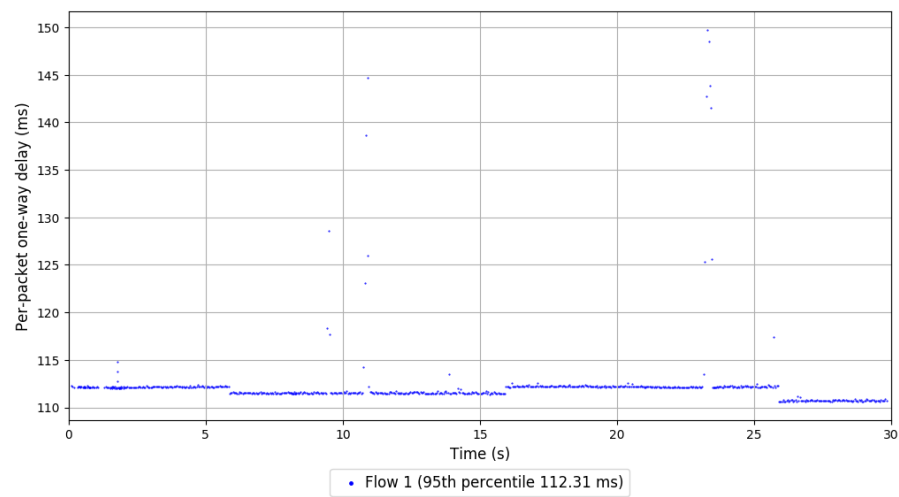
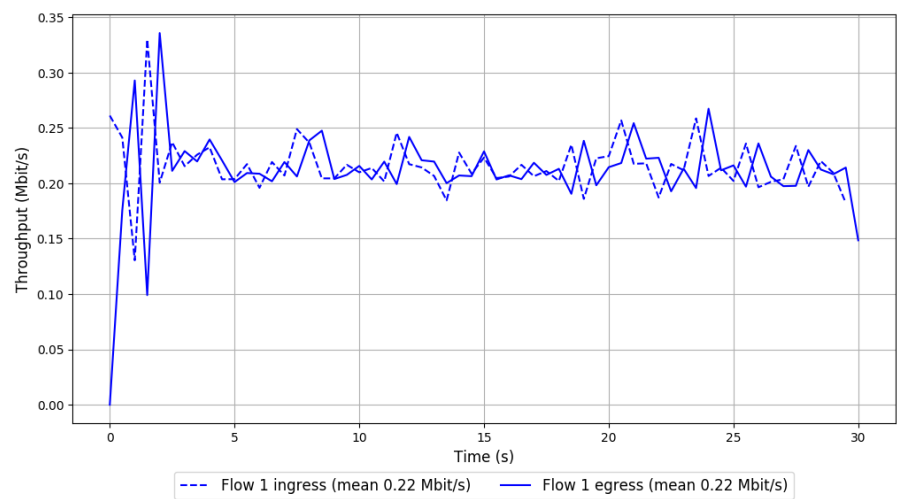
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.306 ms

Loss rate: 0.64%

Run 6: Report of SReAM — Data Link

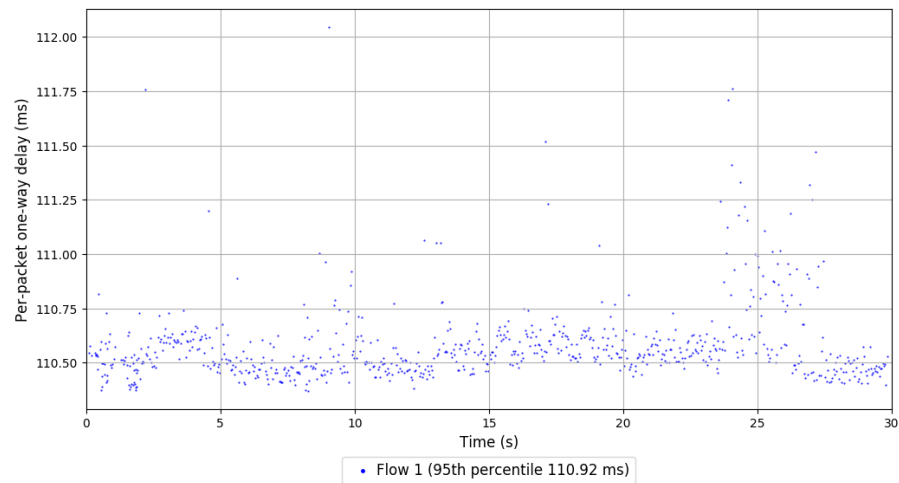
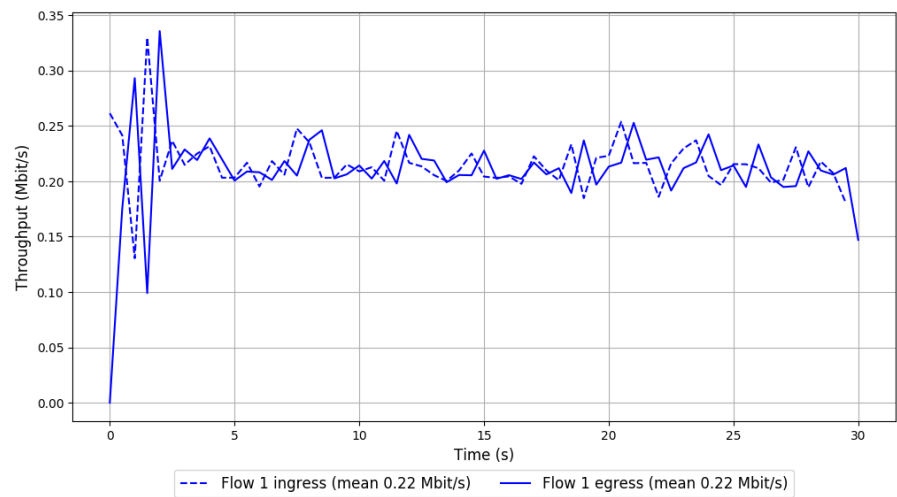


Run 7: Statistics of SCReAM

Start at: 2018-08-10 12:56:32
End at: 2018-08-10 12:57:02
Local clock offset: -0.817 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.921 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.921 ms
Loss rate: 0.64%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-10 13:19:39

End at: 2018-08-10 13:20:09

Local clock offset: -0.616 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-08-10 15:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.683 ms

Loss rate: 0.76%

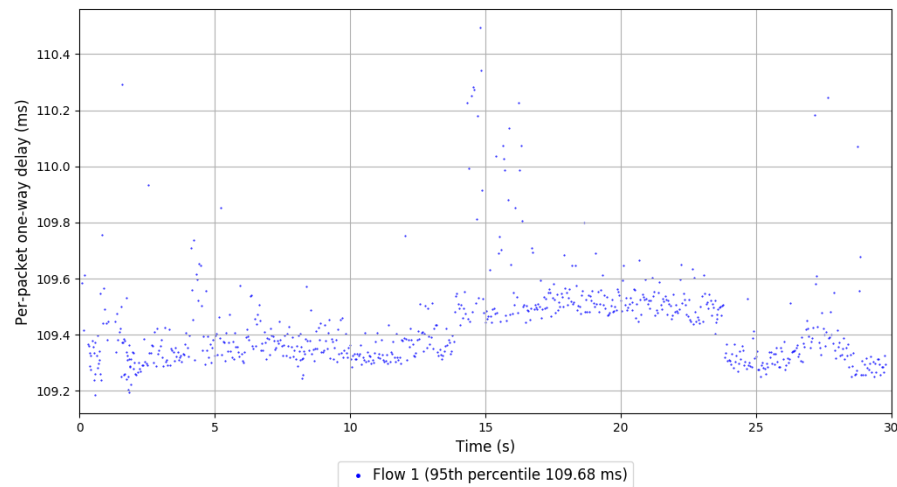
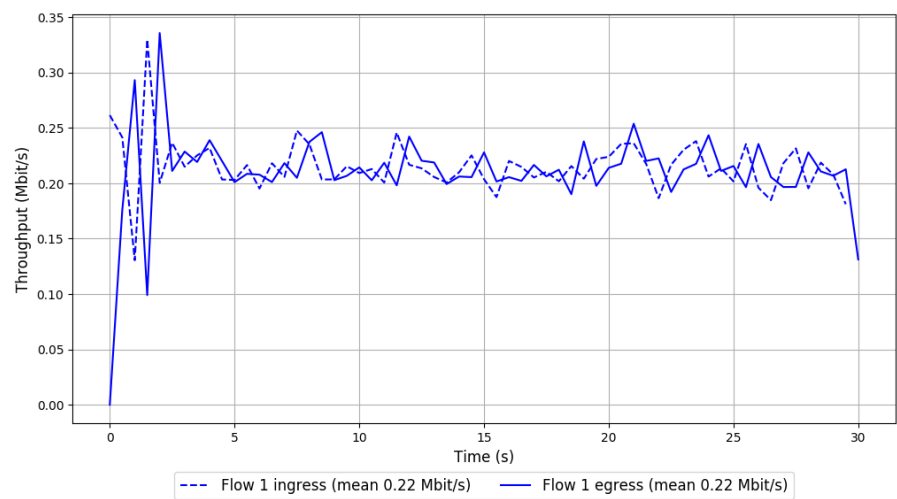
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.683 ms

Loss rate: 0.76%

Run 8: Report of SReAM — Data Link

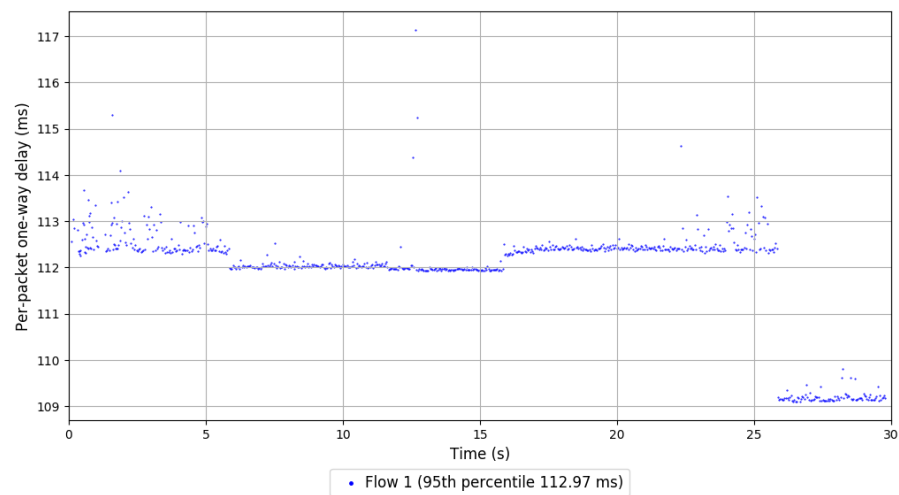
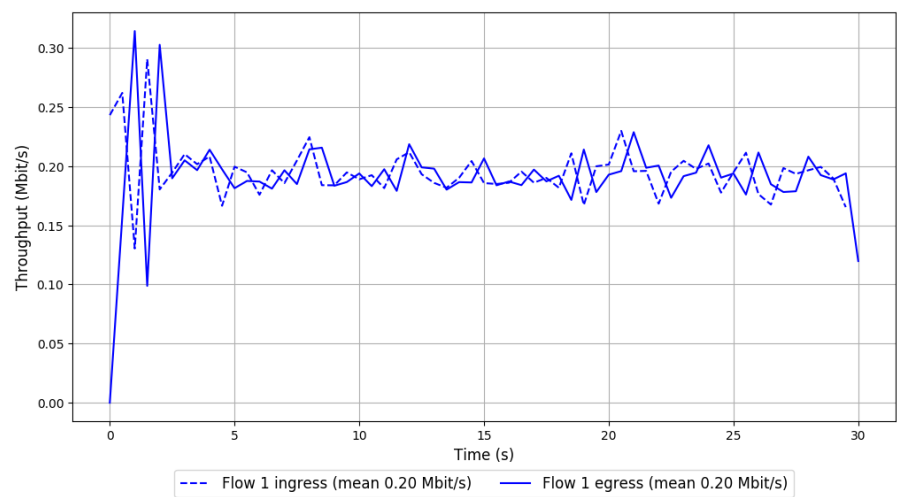


Run 9: Statistics of SCReAM

Start at: 2018-08-10 13:42:47
End at: 2018-08-10 13:43:17
Local clock offset: -0.893 ms
Remote clock offset: -0.483 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.967 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.967 ms
Loss rate: 0.77%

Run 9: Report of SReAM — Data Link

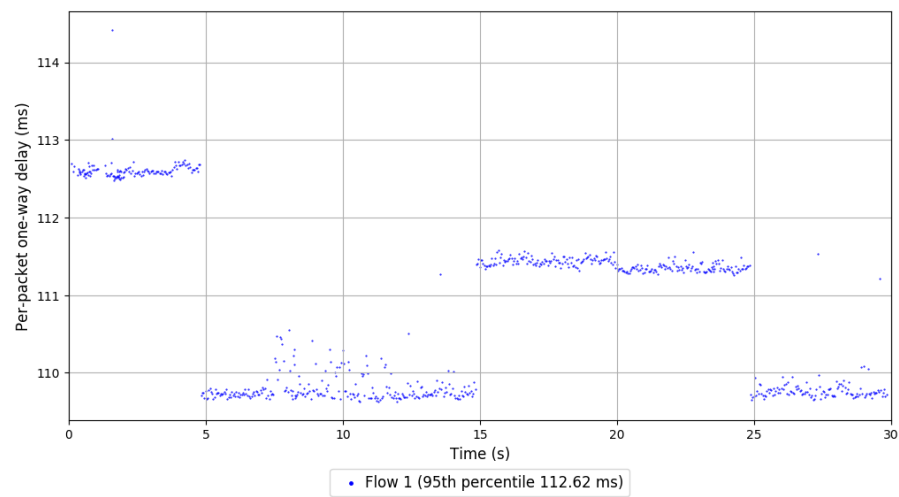
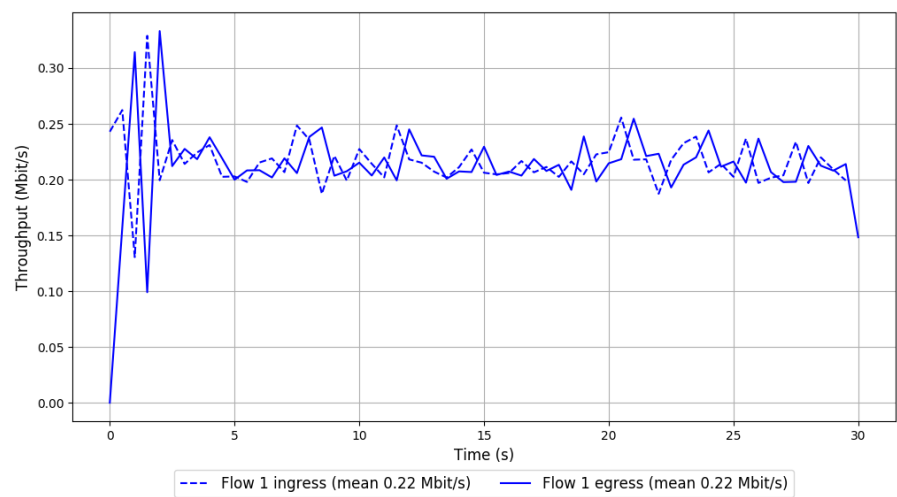


Run 10: Statistics of SReAM

Start at: 2018-08-10 14:05:48
End at: 2018-08-10 14:06:18
Local clock offset: -0.054 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.620 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.620 ms
Loss rate: 0.77%

Run 10: Report of SCReAM — Data Link

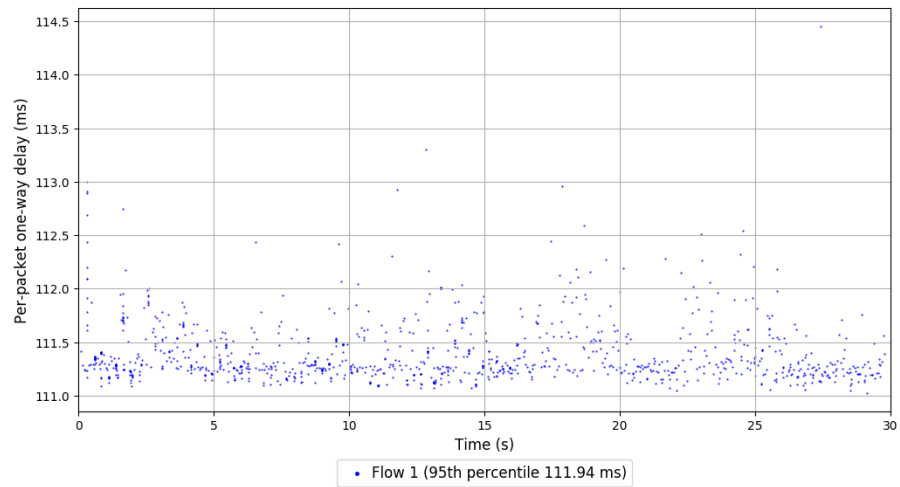
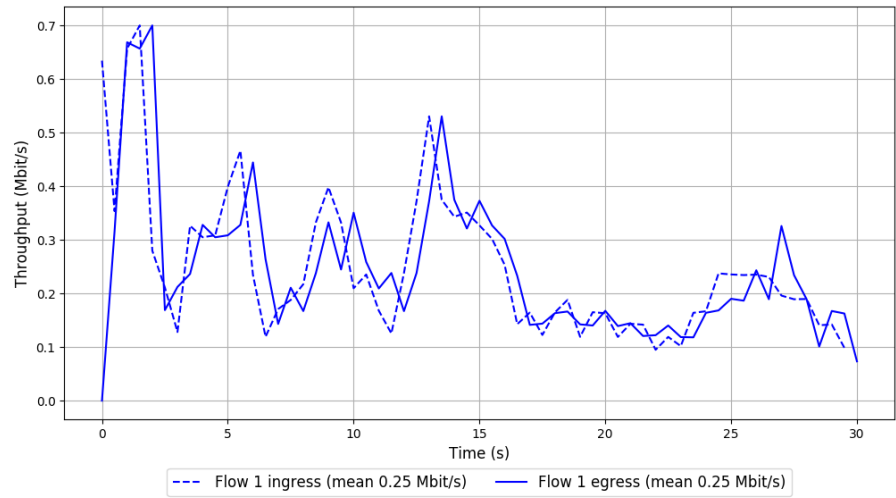


```
Run 1: Statistics of Sprout

Start at: 2018-08-10 10:37:06
End at: 2018-08-10 10:37:36
Local clock offset: 0.036 ms
Remote clock offset: 0.232 ms

# Below is generated by plot.py at 2018-08-10 15:38:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 0.47%
```

Run 1: Report of Sprout — Data Link

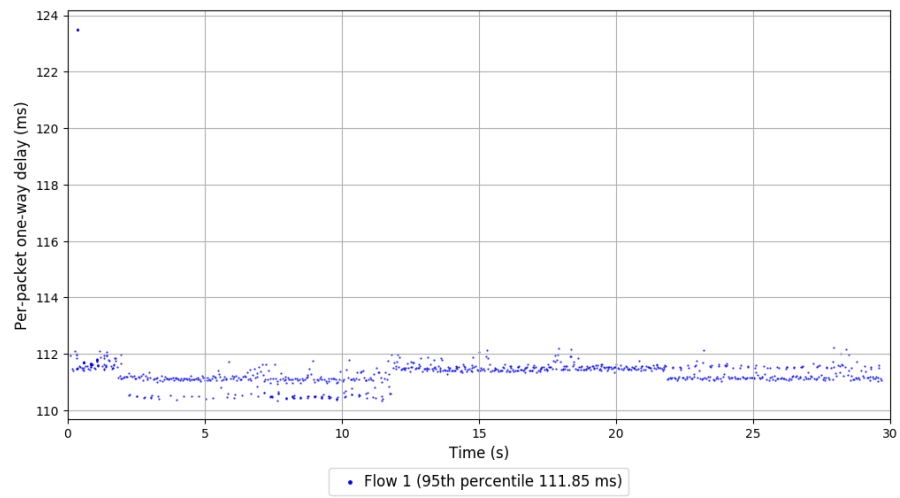
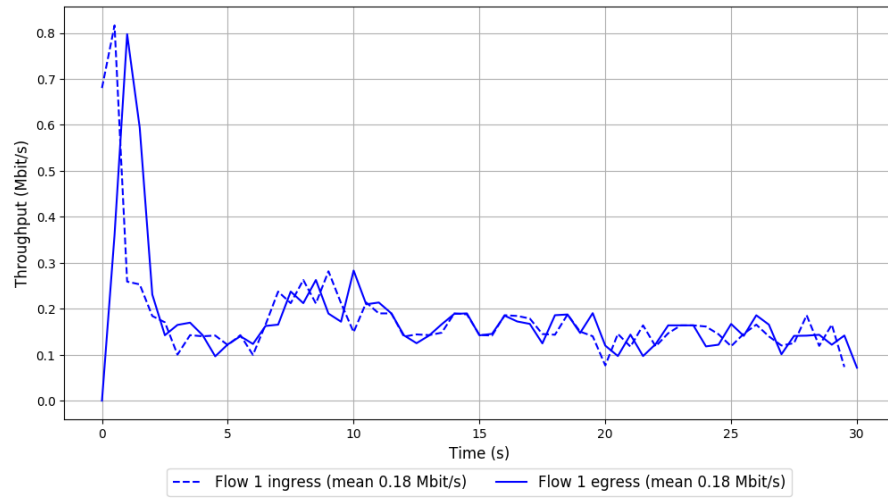


Run 2: Statistics of Sprout

Start at: 2018-08-10 10:59:11
End at: 2018-08-10 10:59:41
Local clock offset: -0.077 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.852 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.852 ms
Loss rate: 0.64%

Run 2: Report of Sprout — Data Link

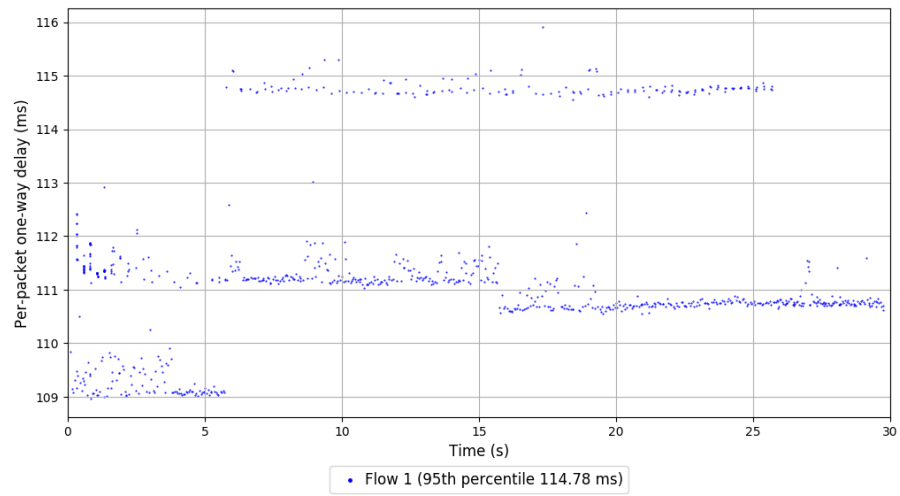
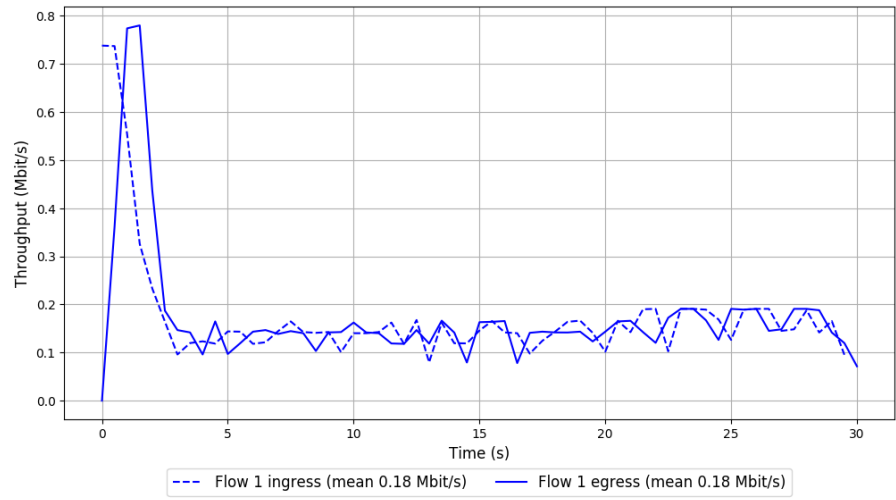


Run 3: Statistics of Sprout

Start at: 2018-08-10 11:21:37
End at: 2018-08-10 11:22:07
Local clock offset: 0.051 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 114.778 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 114.778 ms
Loss rate: 0.69%

Run 3: Report of Sprout — Data Link

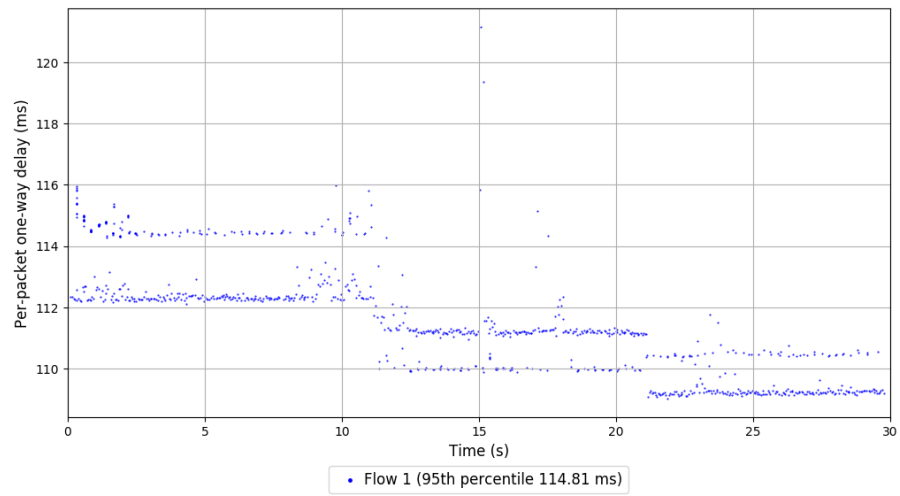
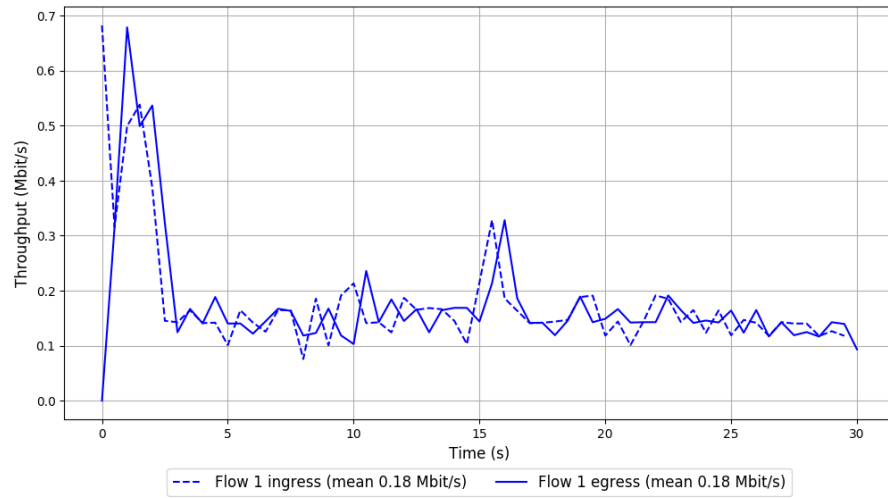


Run 4: Statistics of Sprout

Start at: 2018-08-10 11:43:41
End at: 2018-08-10 11:44:11
Local clock offset: -0.158 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 114.814 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 114.814 ms
Loss rate: 0.50%

Run 4: Report of Sprout — Data Link

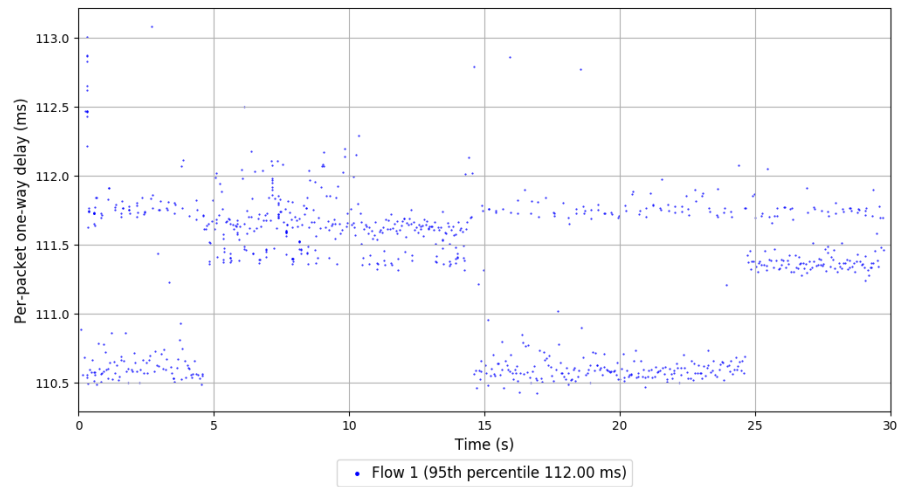
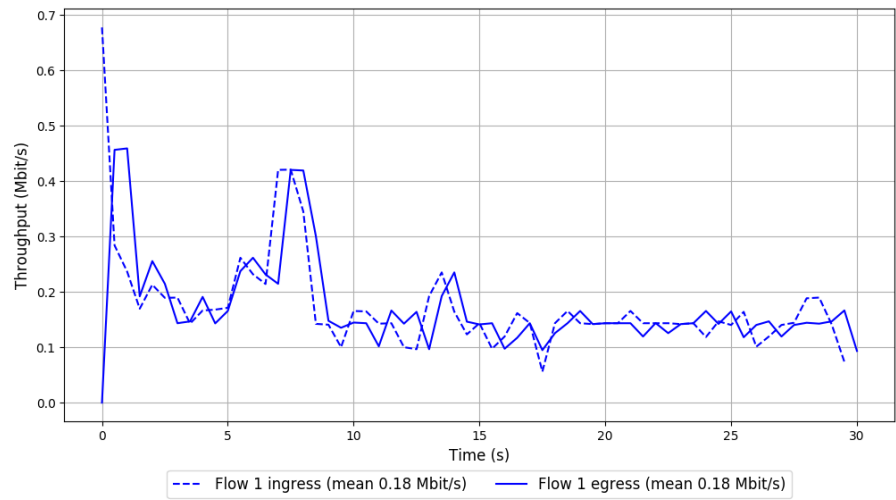


Run 5: Statistics of Sprout

Start at: 2018-08-10 12:06:18
End at: 2018-08-10 12:06:48
Local clock offset: -0.213 ms
Remote clock offset: -0.555 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.996 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.996 ms
Loss rate: 0.44%

Run 5: Report of Sprout — Data Link

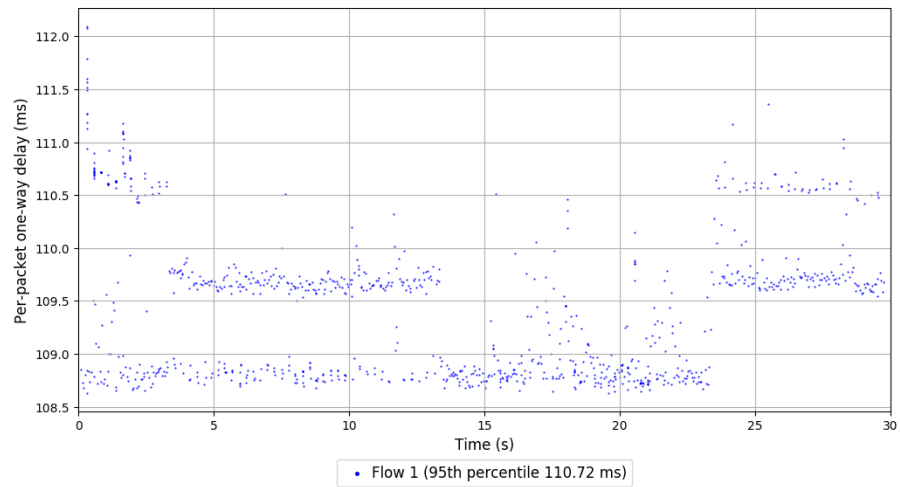
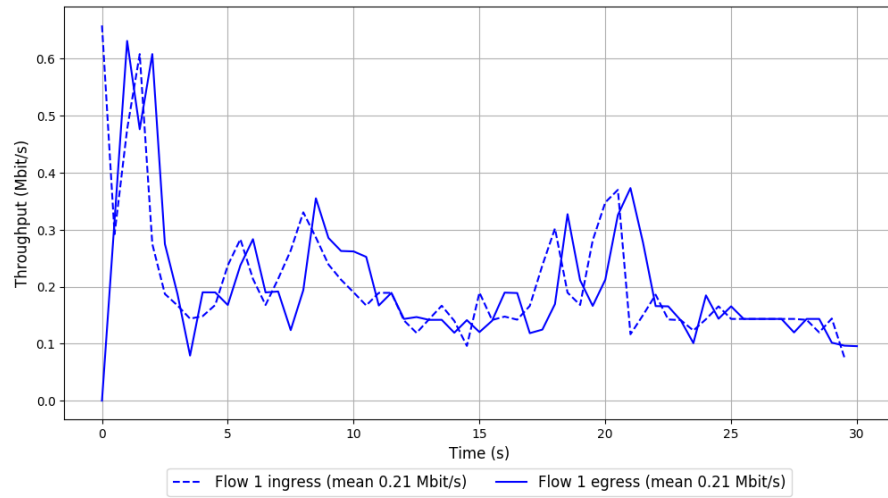


Run 6: Statistics of Sprout

Start at: 2018-08-10 12:28:49
End at: 2018-08-10 12:29:19
Local clock offset: -0.874 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.717 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.717 ms
Loss rate: 0.58%

Run 6: Report of Sprout — Data Link

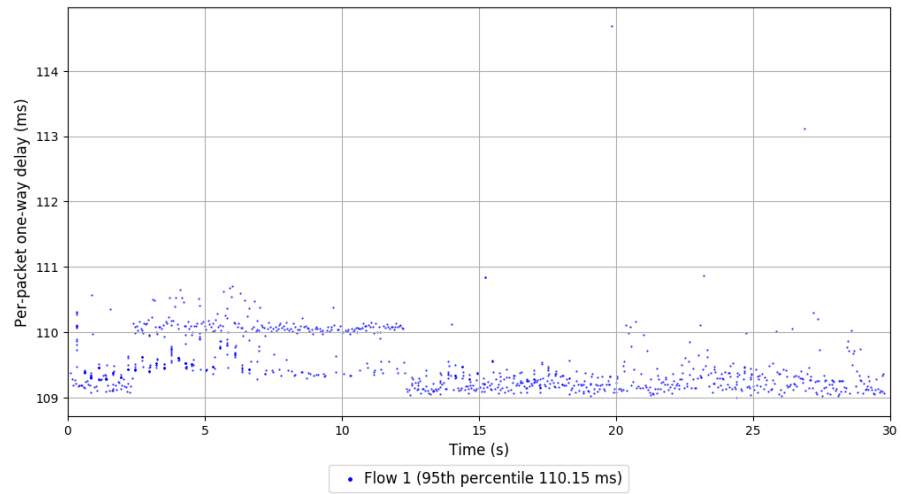
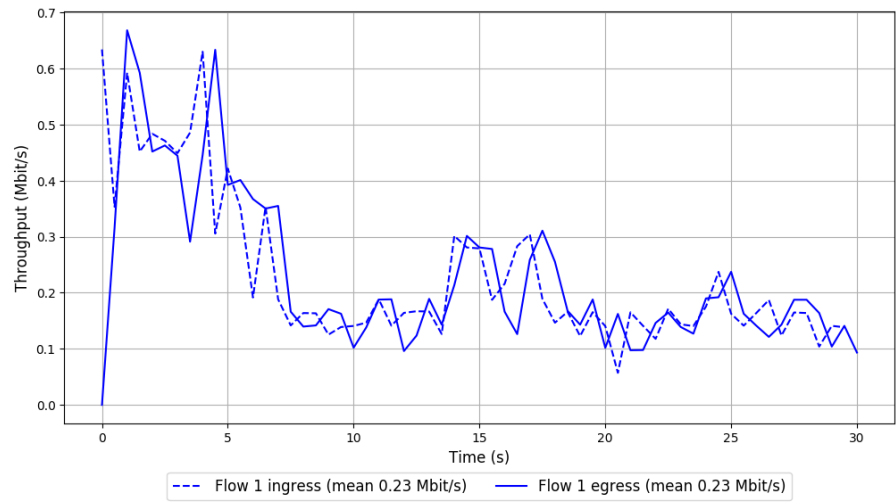


Run 7: Statistics of Sprout

Start at: 2018-08-10 12:51:40
End at: 2018-08-10 12:52:10
Local clock offset: -1.621 ms
Remote clock offset: -0.631 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 110.154 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 110.154 ms
Loss rate: 0.35%

Run 7: Report of Sprout — Data Link

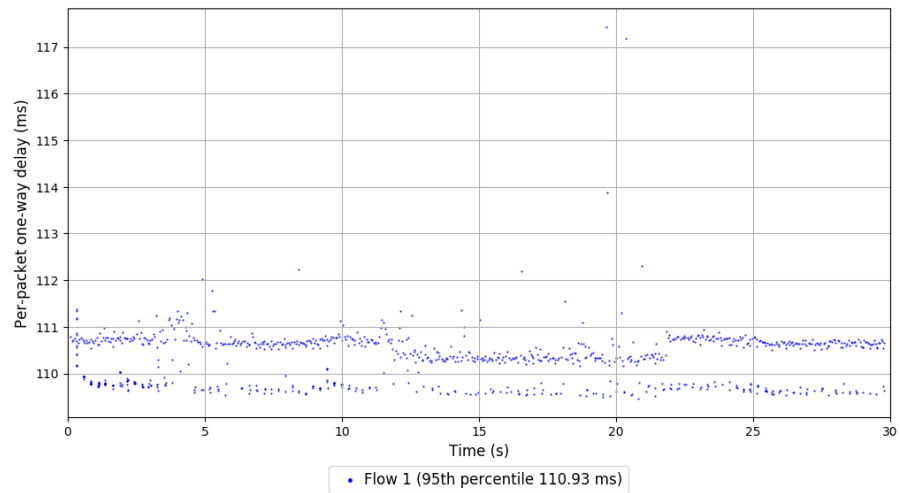
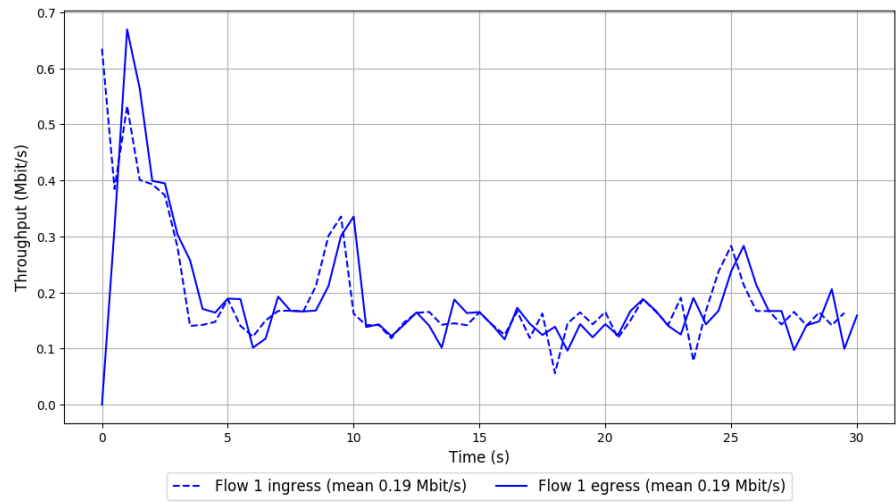


Run 8: Statistics of Sprout

Start at: 2018-08-10 13:14:31
End at: 2018-08-10 13:15:01
Local clock offset: -0.889 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.929 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.929 ms
Loss rate: 0.61%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-10 13:37:49

End at: 2018-08-10 13:38:19

Local clock offset: -0.597 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-08-10 15:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 112.326 ms

Loss rate: 0.40%

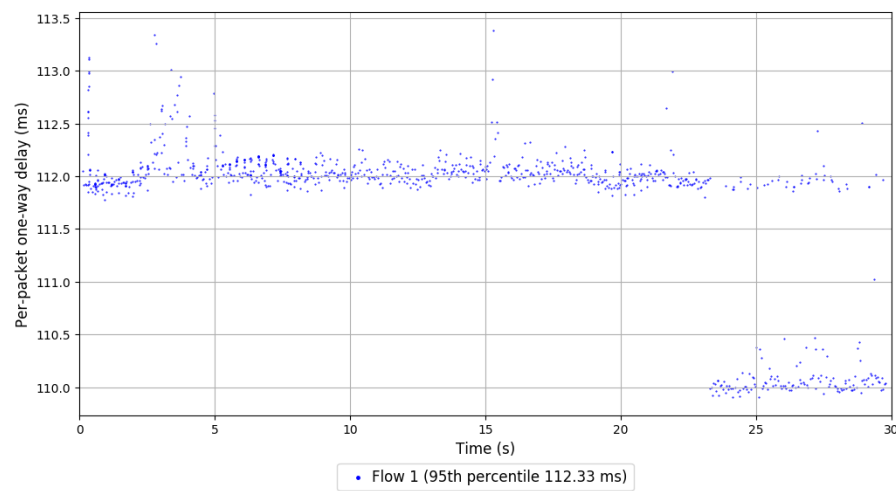
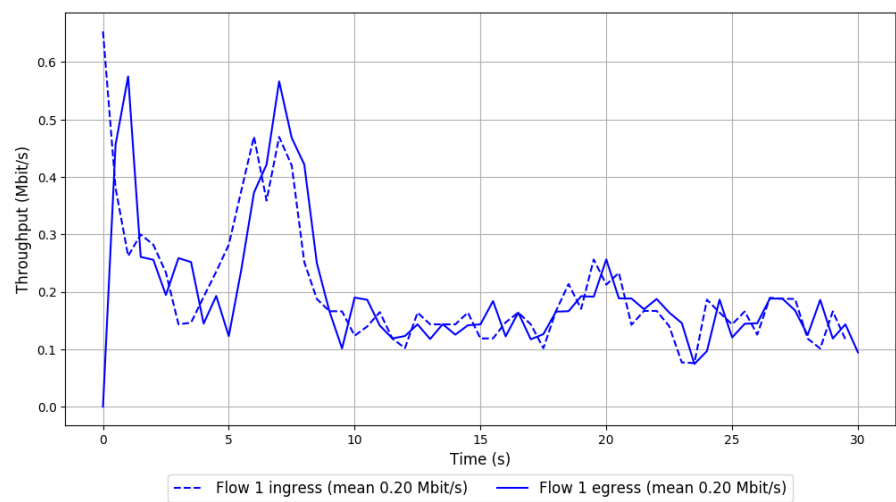
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 112.326 ms

Loss rate: 0.40%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-10 14:00:50

End at: 2018-08-10 14:01:20

Local clock offset: -0.098 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-08-10 15:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.214 ms

Loss rate: 0.58%

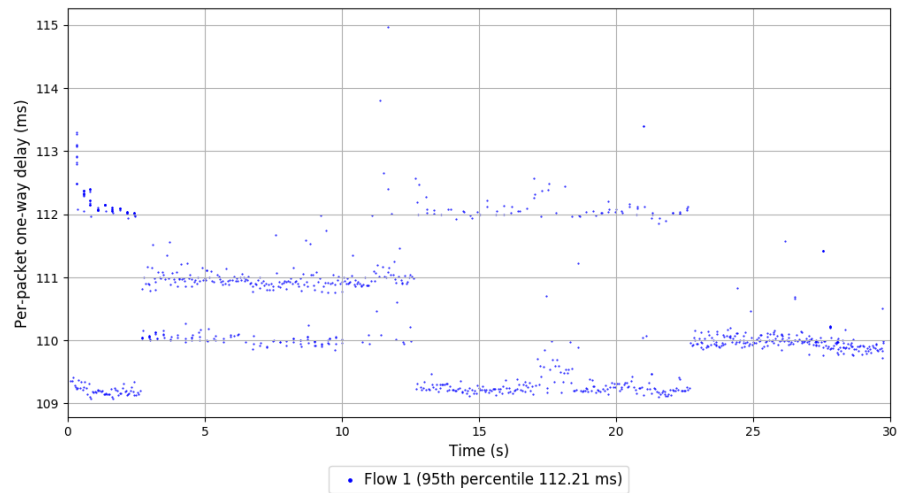
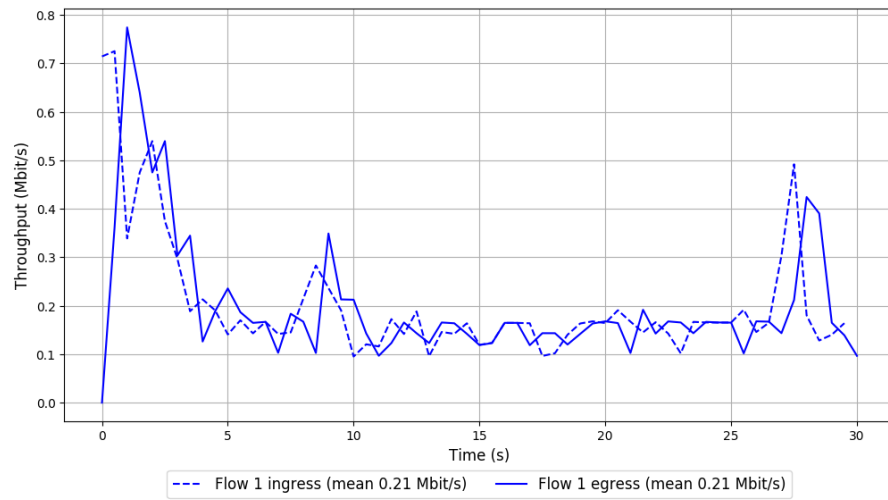
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.214 ms

Loss rate: 0.58%

Run 10: Report of Sprout — Data Link

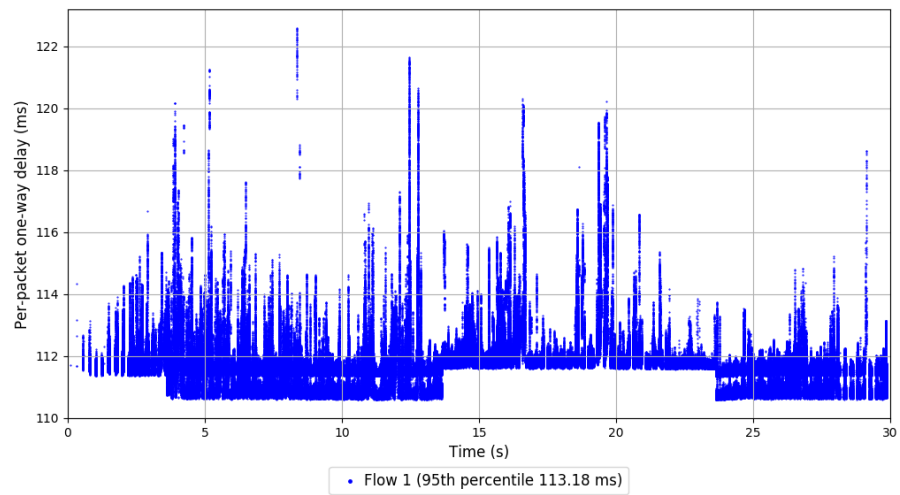
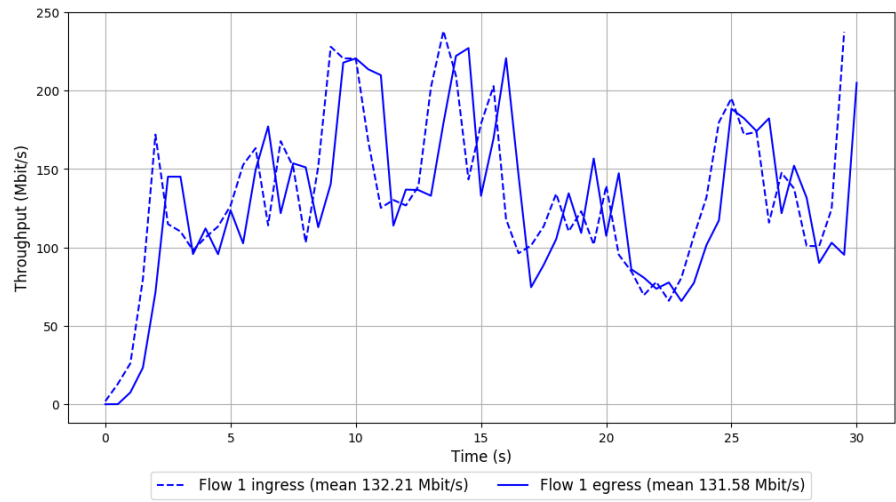


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-10 10:32:39
End at: 2018-08-10 10:33:09
Local clock offset: -0.277 ms
Remote clock offset: -0.804 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.58 Mbit/s
95th percentile per-packet one-way delay: 113.183 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 131.58 Mbit/s
95th percentile per-packet one-way delay: 113.183 ms
Loss rate: 1.22%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-10 10:54:46

End at: 2018-08-10 10:55:16

Local clock offset: 0.641 ms

Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-08-10 15:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.09 Mbit/s

95th percentile per-packet one-way delay: 113.107 ms

Loss rate: 0.59%

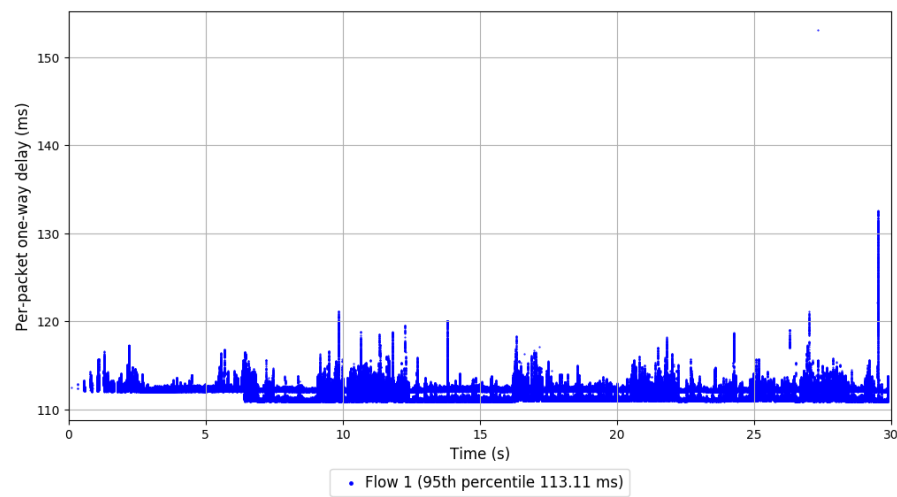
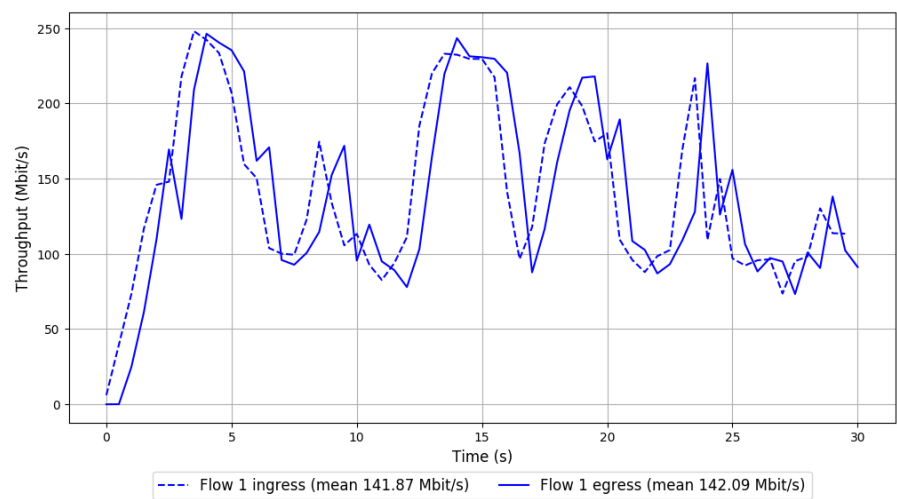
-- Flow 1:

Average throughput: 142.09 Mbit/s

95th percentile per-packet one-way delay: 113.107 ms

Loss rate: 0.59%

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

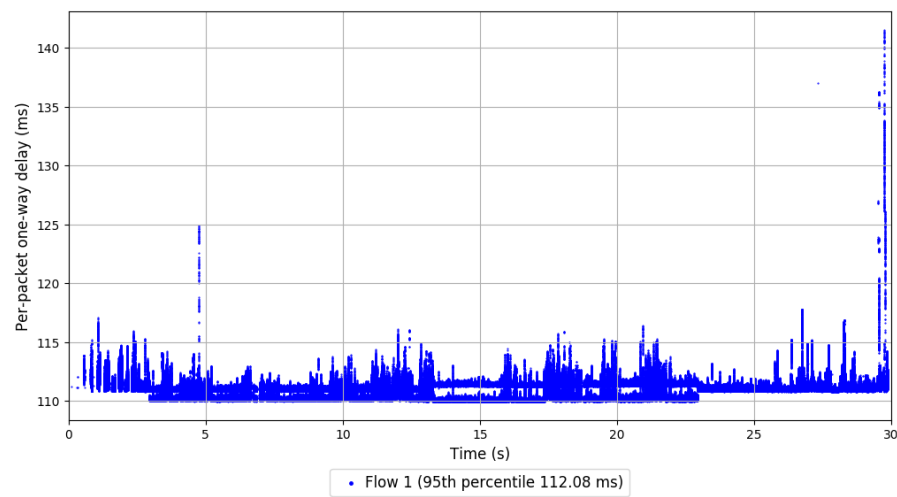
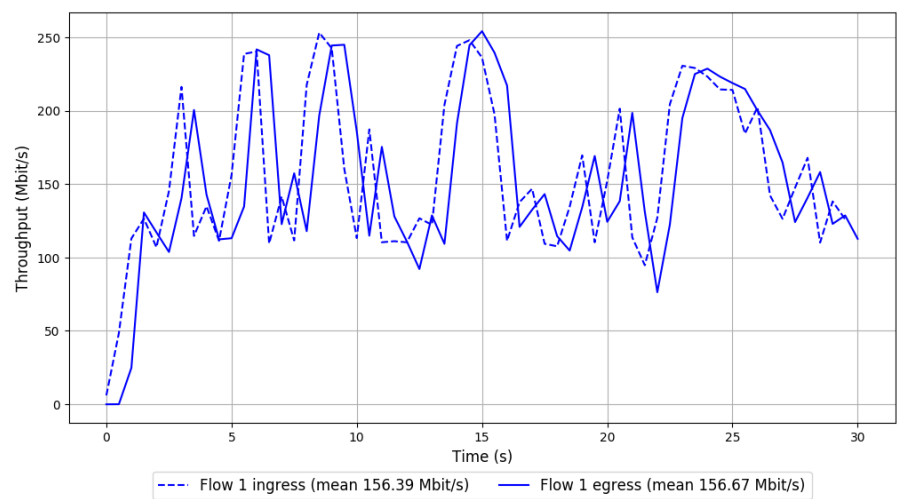


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-10 11:17:10
End at: 2018-08-10 11:17:40
Local clock offset: -0.045 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.67 Mbit/s
95th percentile per-packet one-way delay: 112.081 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 156.67 Mbit/s
95th percentile per-packet one-way delay: 112.081 ms
Loss rate: 0.57%

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

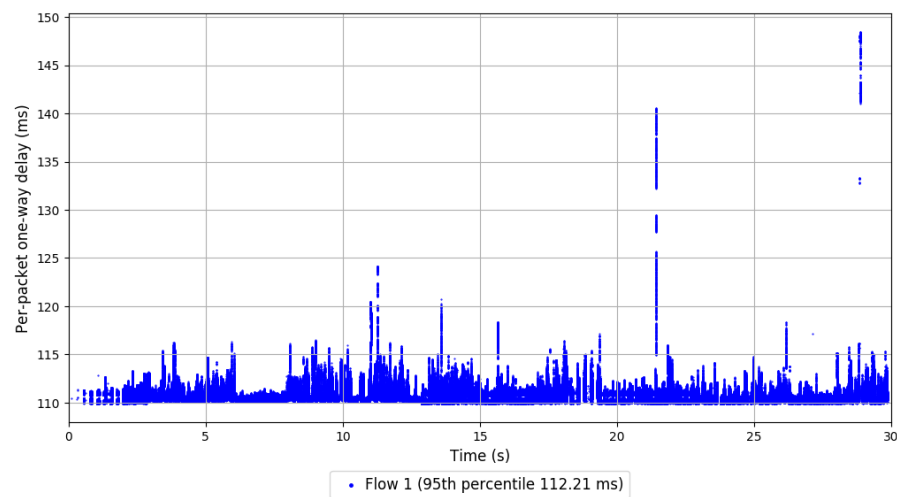
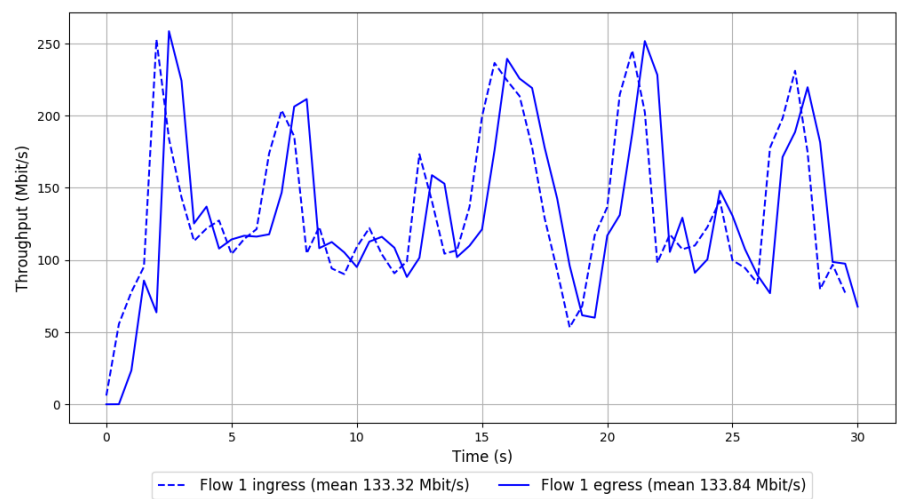


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-10 11:39:20
End at: 2018-08-10 11:39:50
Local clock offset: -0.163 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-08-10 15:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.84 Mbit/s
95th percentile per-packet one-way delay: 112.206 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 133.84 Mbit/s
95th percentile per-packet one-way delay: 112.206 ms
Loss rate: 0.42%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-10 12:01:55

End at: 2018-08-10 12:02:25

Local clock offset: 0.007 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-08-10 15:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.87 Mbit/s

95th percentile per-packet one-way delay: 111.698 ms

Loss rate: 0.22%

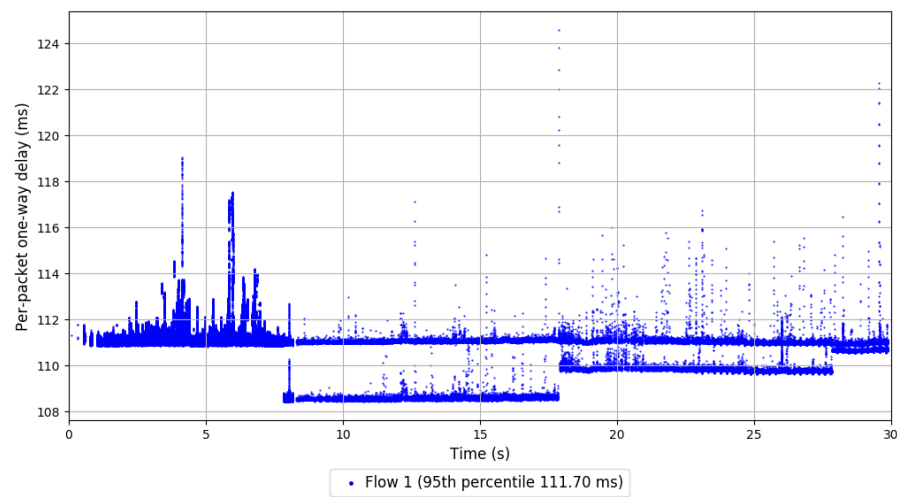
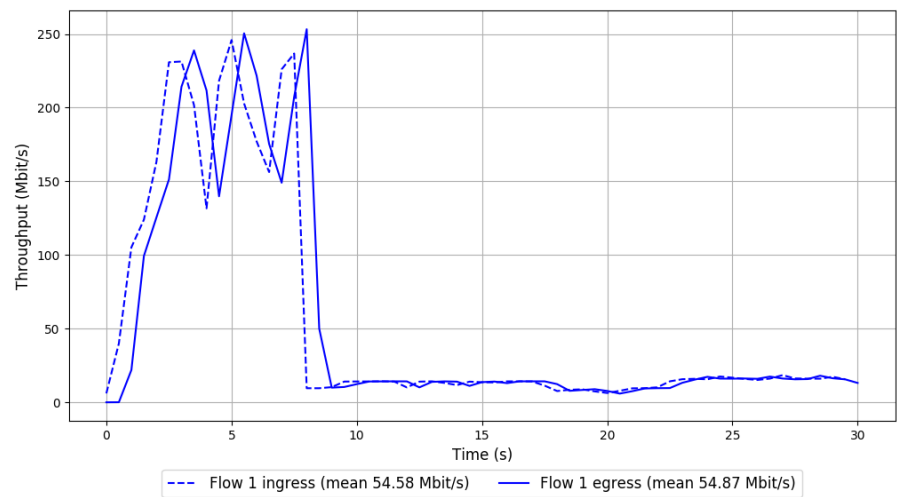
-- Flow 1:

Average throughput: 54.87 Mbit/s

95th percentile per-packet one-way delay: 111.698 ms

Loss rate: 0.22%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-10 12:24:26

End at: 2018-08-10 12:24:56

Local clock offset: -0.1 ms

Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-08-10 15:38:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.33 Mbit/s

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

Loss rate: 0.62%

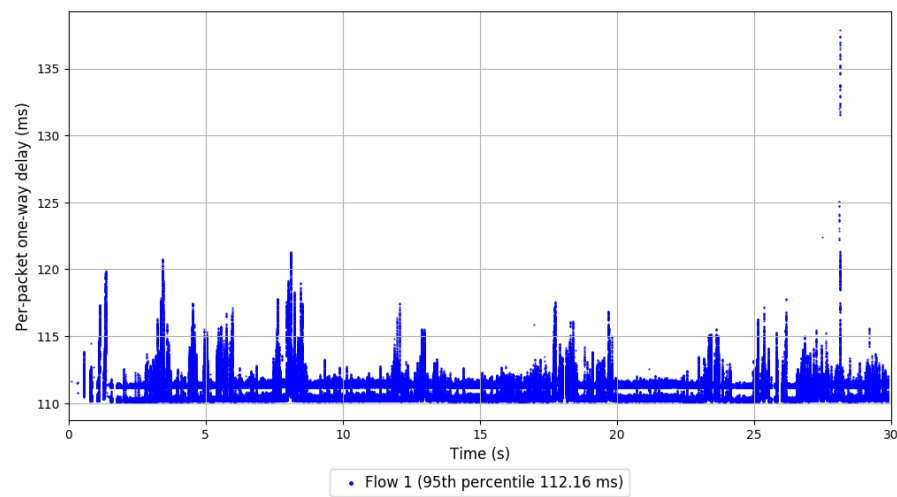
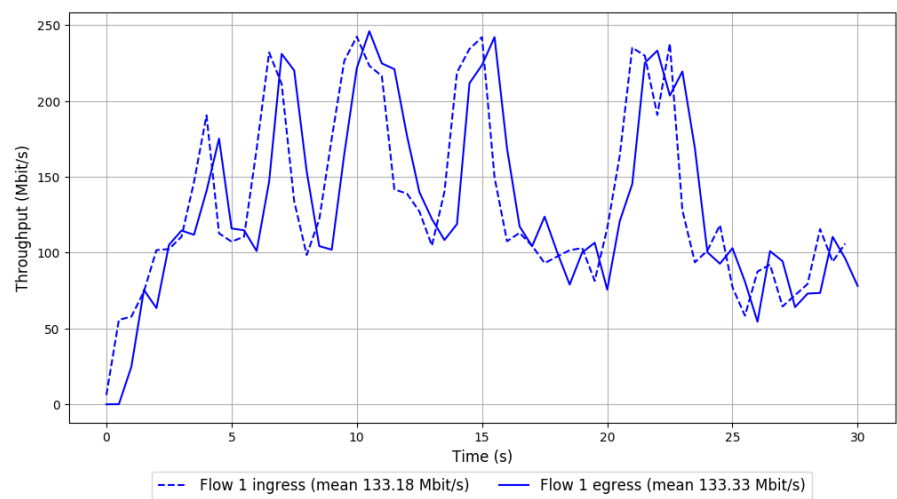
-- Flow 1:

Average throughput: 133.33 Mbit/s

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

Loss rate: 0.62%

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

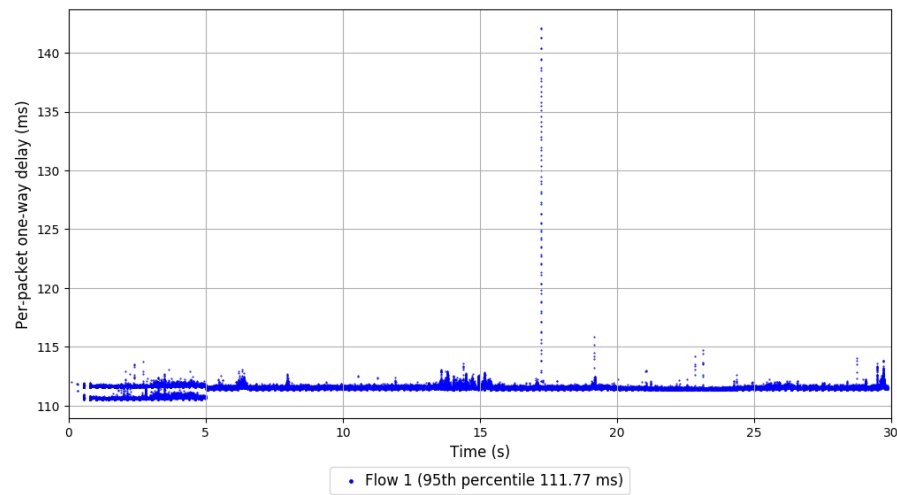
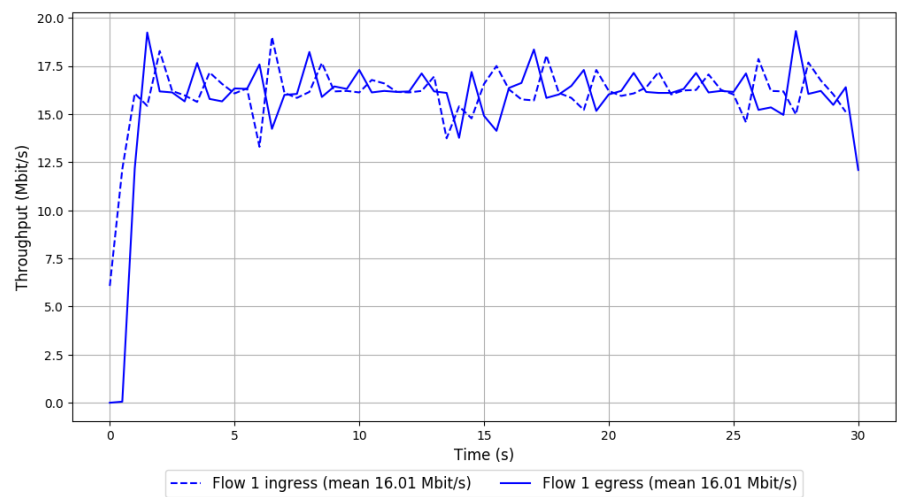


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-10 12:47:18
End at: 2018-08-10 12:47:48
Local clock offset: -0.172 ms
Remote clock offset: -0.623 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 111.774 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 111.774 ms
Loss rate: 0.77%

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

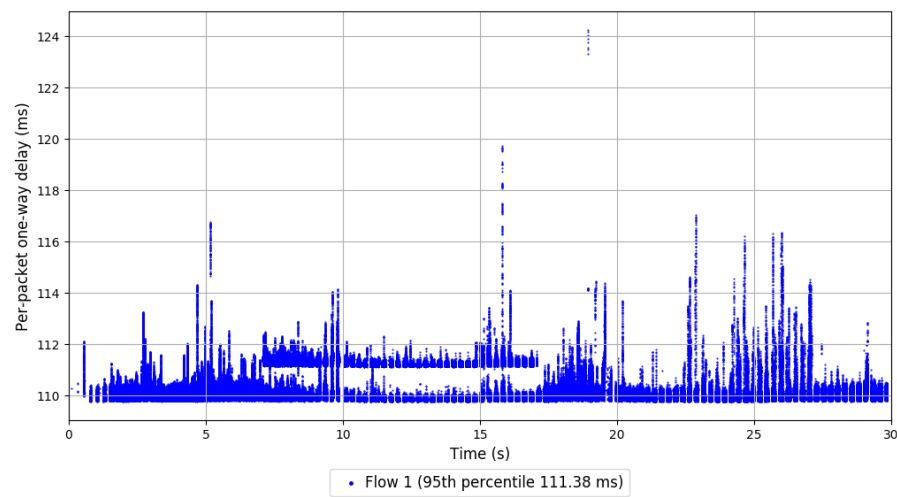
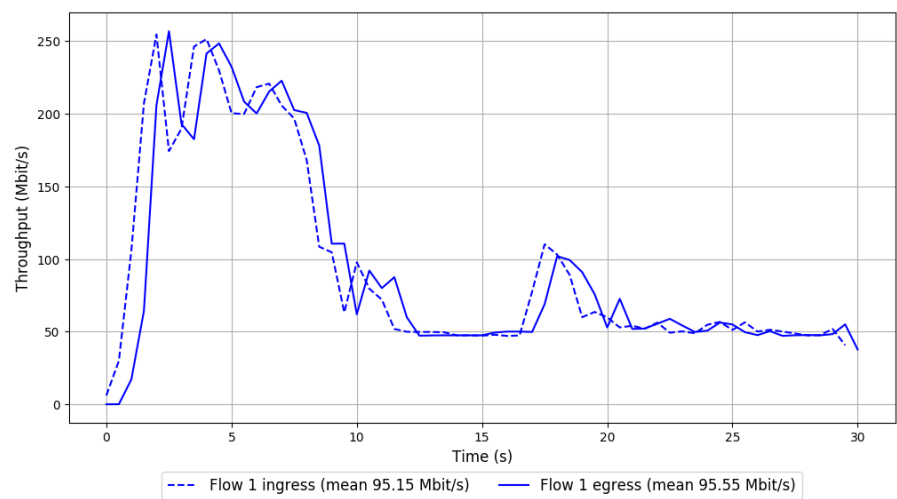


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-10 13:09:55
End at: 2018-08-10 13:10:25
Local clock offset: -0.254 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 111.382 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 111.382 ms
Loss rate: 0.33%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-10 13:33:14

End at: 2018-08-10 13:33:44

Local clock offset: 0.629 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2018-08-10 15:41:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.10 Mbit/s

95th percentile per-packet one-way delay: 111.534 ms

Loss rate: 0.06%

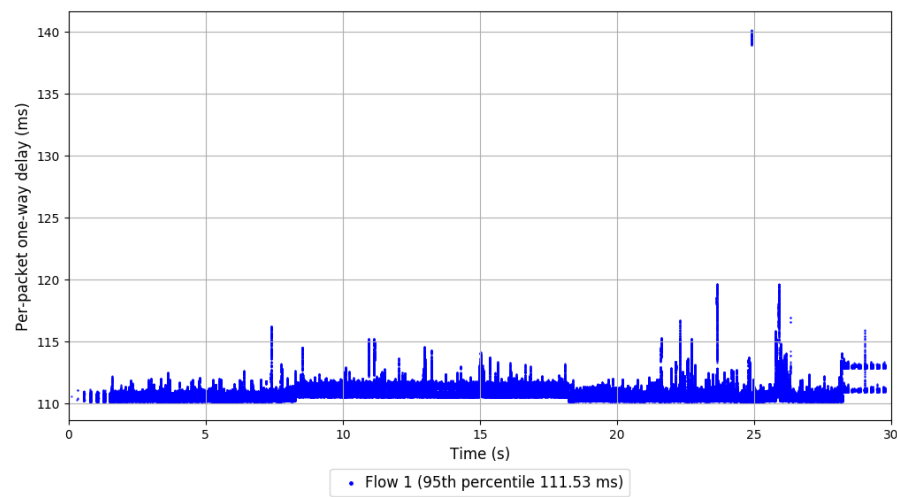
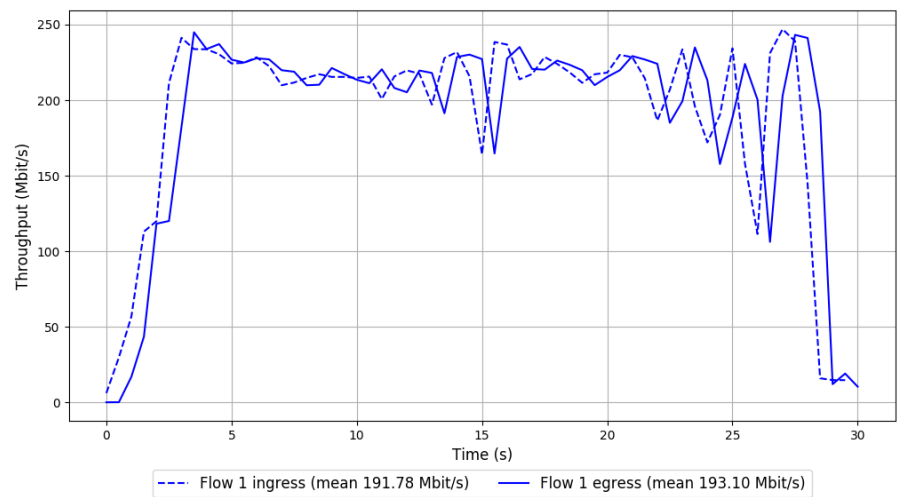
-- Flow 1:

Average throughput: 193.10 Mbit/s

95th percentile per-packet one-way delay: 111.534 ms

Loss rate: 0.06%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-10 13:56:26

End at: 2018-08-10 13:56:56

Local clock offset: 0.231 ms

Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-08-10 15:41:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 113.409 ms

Loss rate: 0.40%

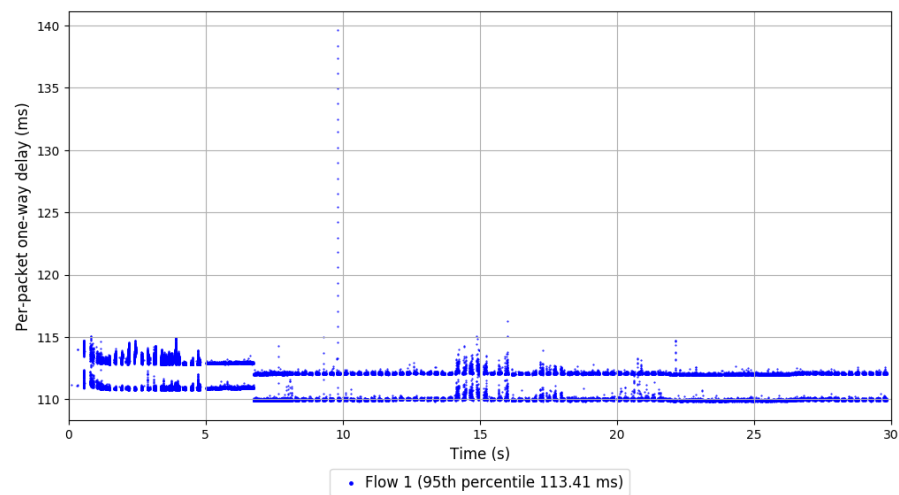
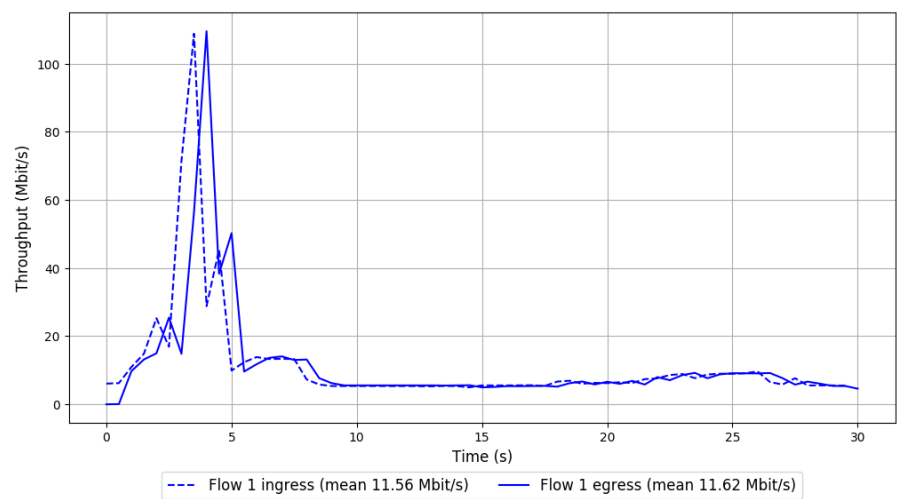
-- Flow 1:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 113.409 ms

Loss rate: 0.40%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-10 10:28:43

End at: 2018-08-10 10:29:13

Local clock offset: -0.574 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-08-10 15:41:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.54 Mbit/s

95th percentile per-packet one-way delay: 112.266 ms

Loss rate: 0.60%

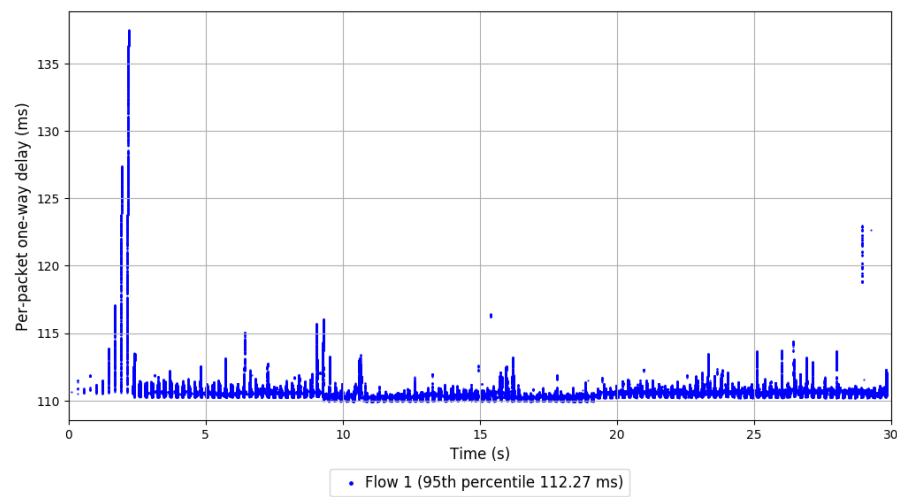
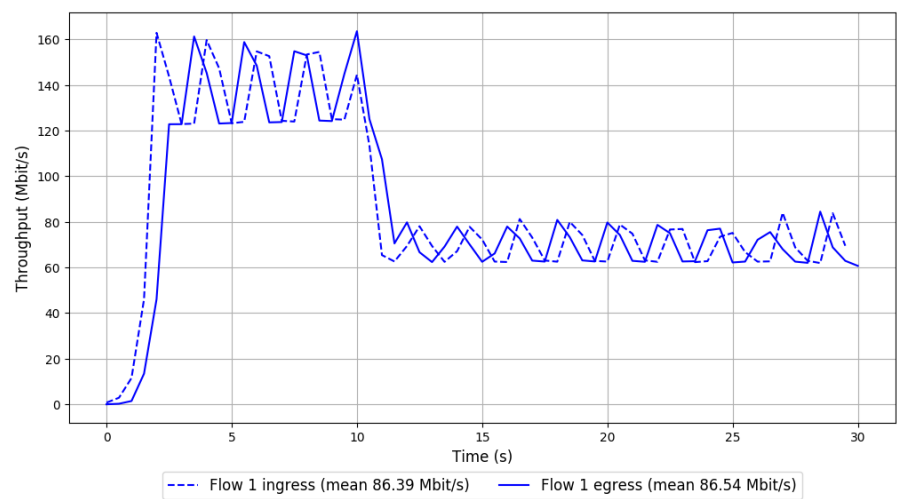
-- Flow 1:

Average throughput: 86.54 Mbit/s

95th percentile per-packet one-way delay: 112.266 ms

Loss rate: 0.60%

Run 1: Report of TCP Vegas — Data Link

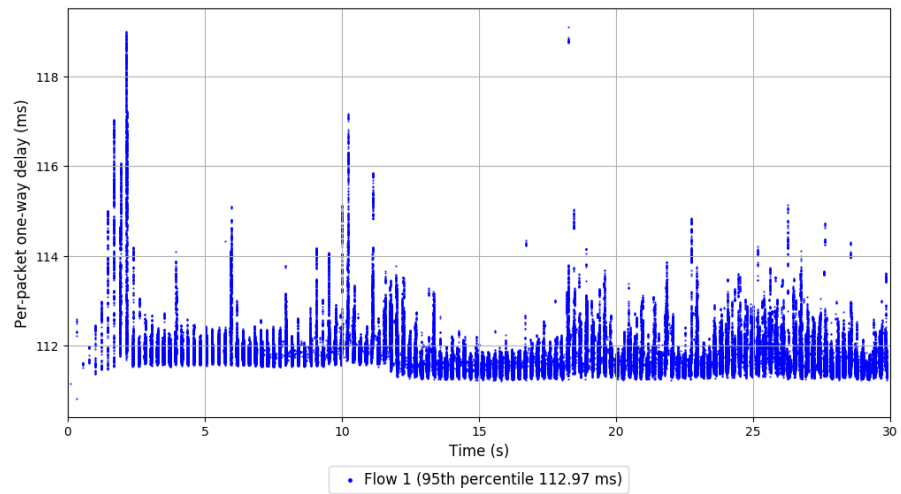
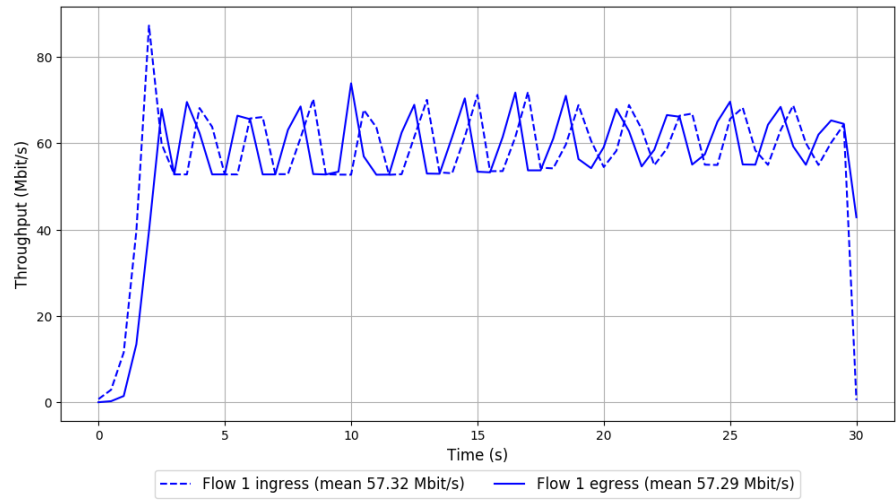


Run 2: Statistics of TCP Vegas

Start at: 2018-08-10 10:51:01
End at: 2018-08-10 10:51:31
Local clock offset: -0.056 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2018-08-10 15:41:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 112.967 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 112.967 ms
Loss rate: 0.80%

Run 2: Report of TCP Vegas — Data Link

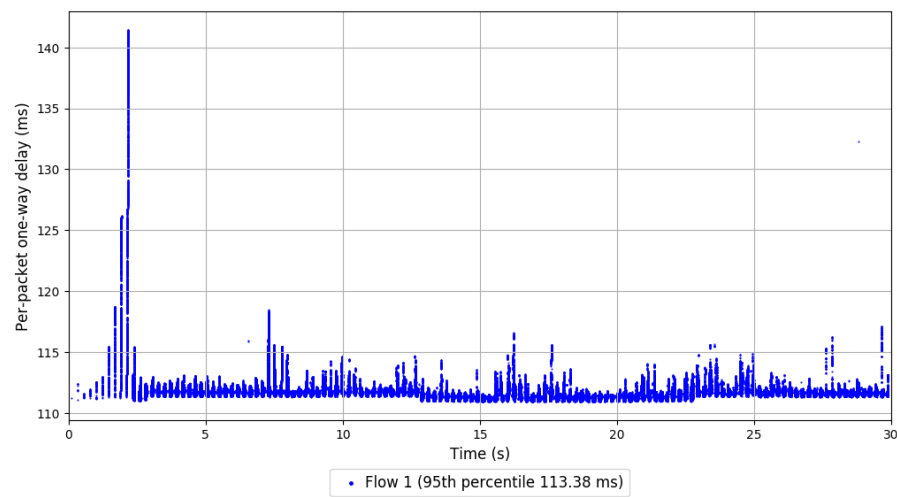
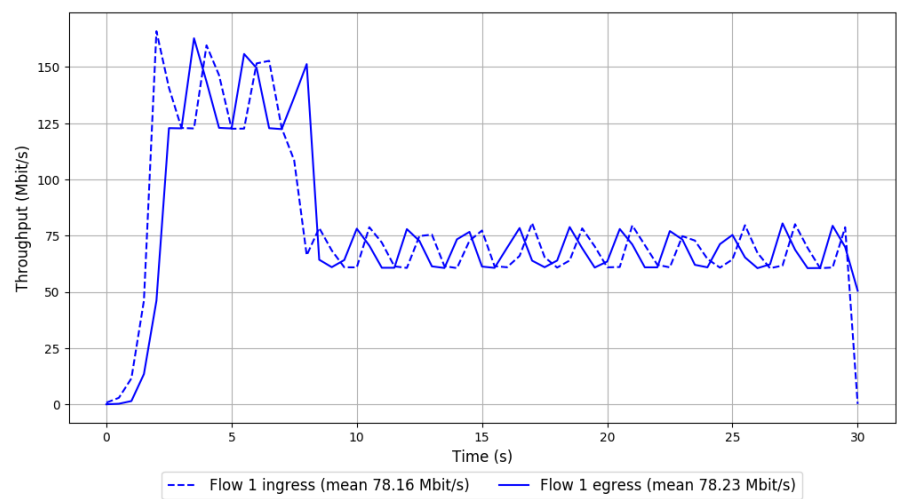


Run 3: Statistics of TCP Vegas

Start at: 2018-08-10 11:13:20
End at: 2018-08-10 11:13:50
Local clock offset: -0.308 ms
Remote clock offset: -0.532 ms

Below is generated by plot.py at 2018-08-10 15:41:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.23 Mbit/s
95th percentile per-packet one-way delay: 113.377 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 78.23 Mbit/s
95th percentile per-packet one-way delay: 113.377 ms
Loss rate: 0.64%

Run 3: Report of TCP Vegas — Data Link

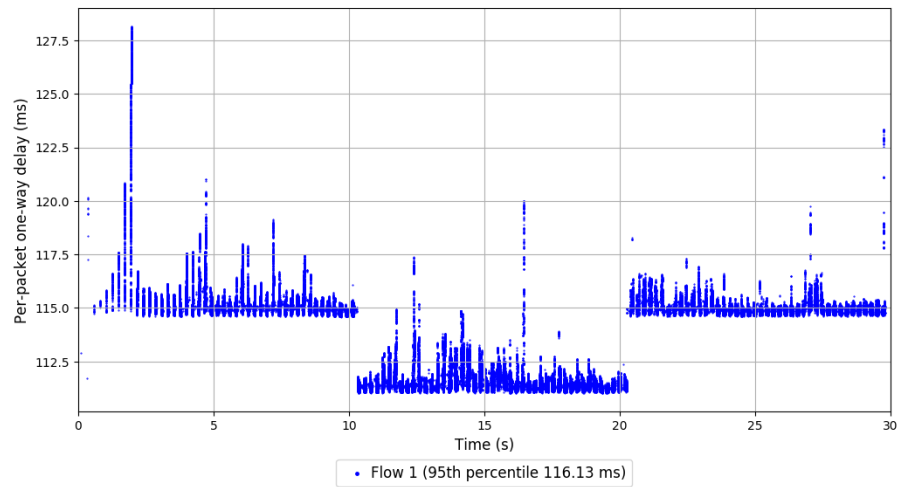
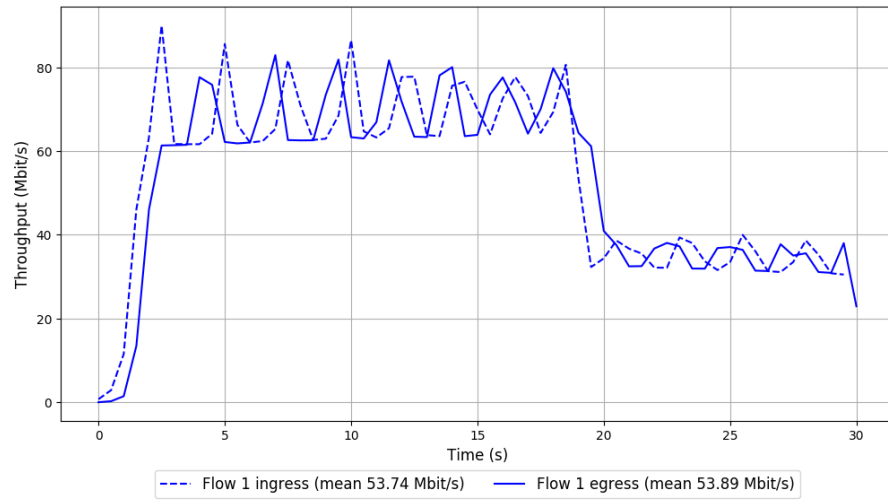


Run 4: Statistics of TCP Vegas

Start at: 2018-08-10 11:35:32
End at: 2018-08-10 11:36:02
Local clock offset: 0.074 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-08-10 15:41:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.89 Mbit/s
95th percentile per-packet one-way delay: 116.130 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 53.89 Mbit/s
95th percentile per-packet one-way delay: 116.130 ms
Loss rate: 0.47%

Run 4: Report of TCP Vegas — Data Link

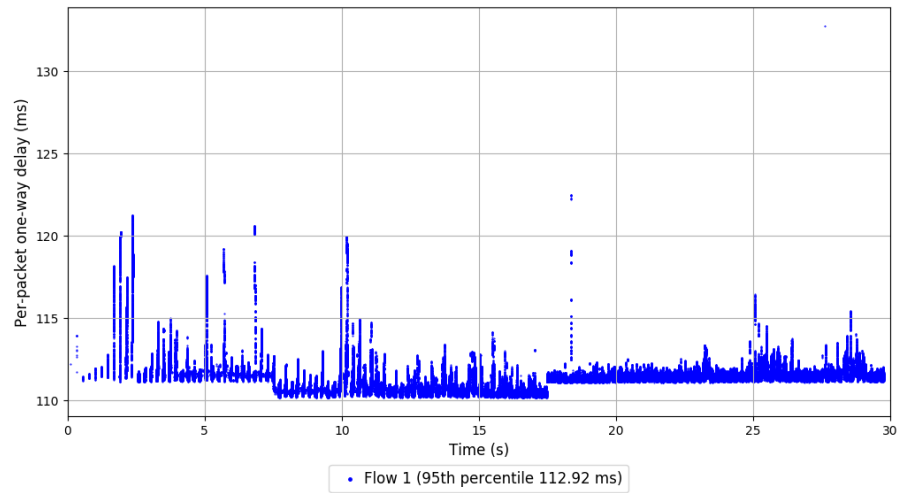
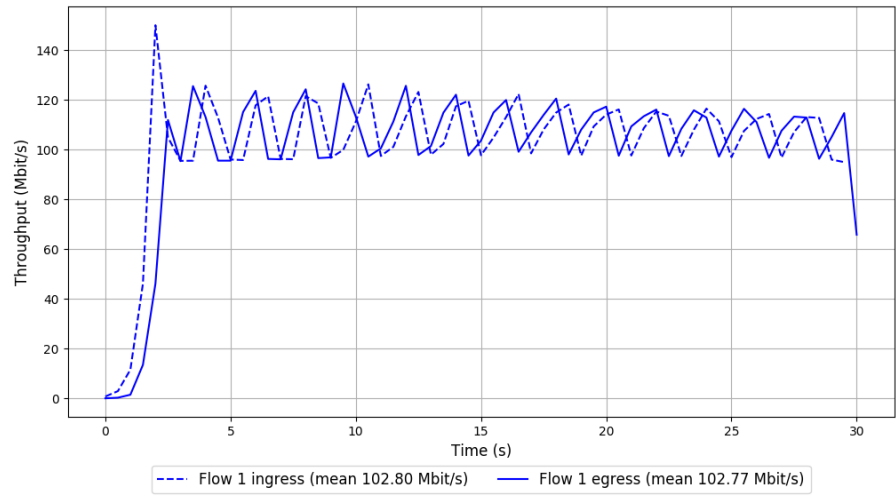


Run 5: Statistics of TCP Vegas

Start at: 2018-08-10 11:57:55
End at: 2018-08-10 11:58:25
Local clock offset: 0.184 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-08-10 15:41:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.77 Mbit/s
95th percentile per-packet one-way delay: 112.923 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 102.77 Mbit/s
95th percentile per-packet one-way delay: 112.923 ms
Loss rate: 0.77%

Run 5: Report of TCP Vegas — Data Link

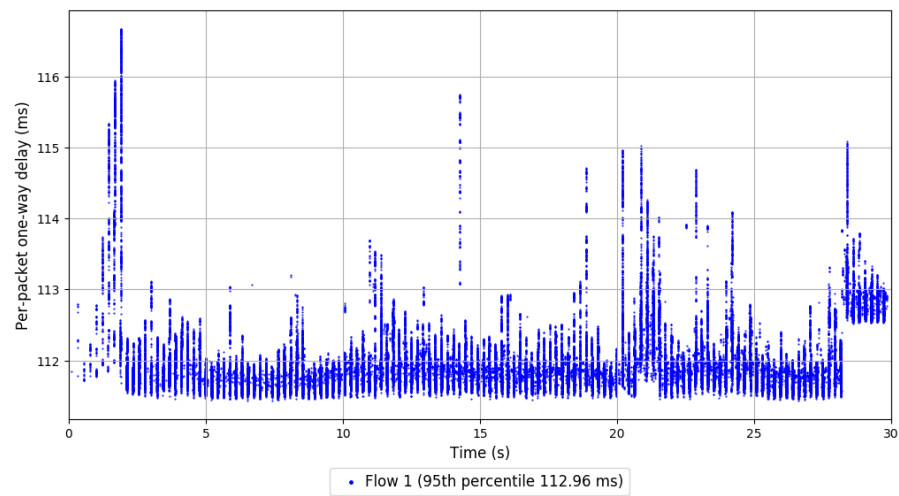
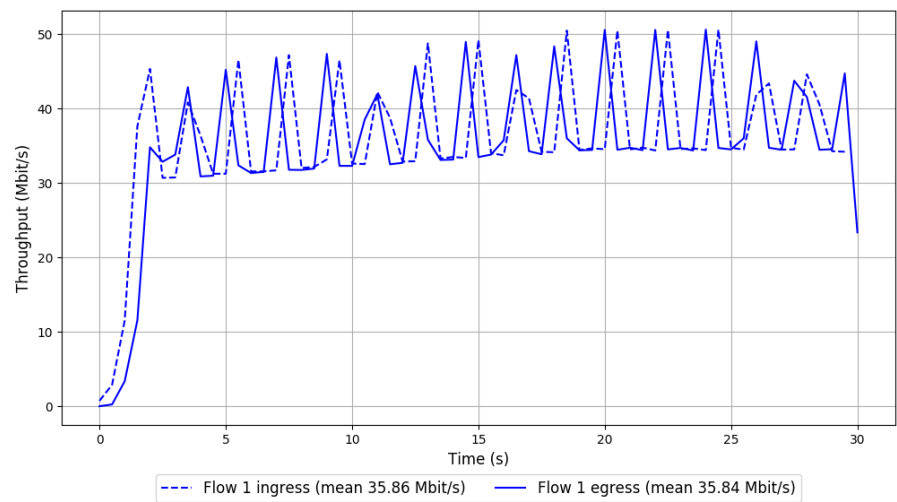


Run 6: Statistics of TCP Vegas

Start at: 2018-08-10 12:20:34
End at: 2018-08-10 12:21:04
Local clock offset: 1.314 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-10 15:41:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 112.962 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 112.962 ms
Loss rate: 0.79%

Run 6: Report of TCP Vegas — Data Link

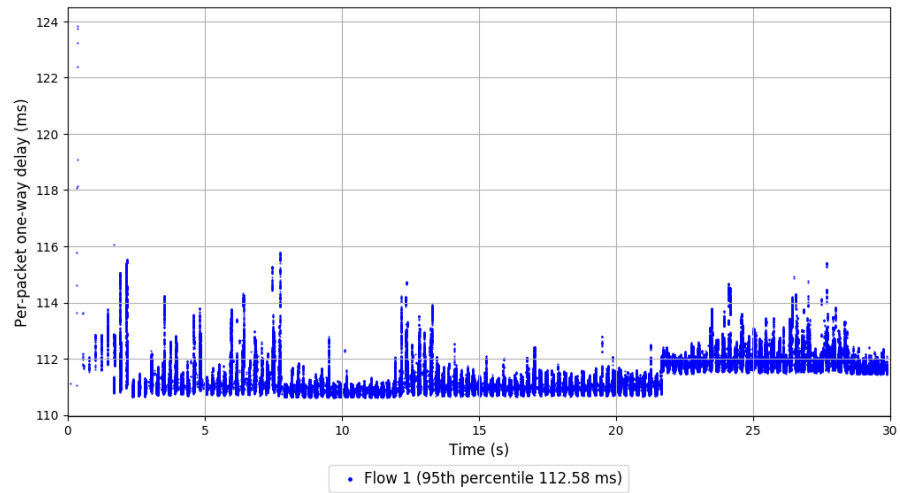
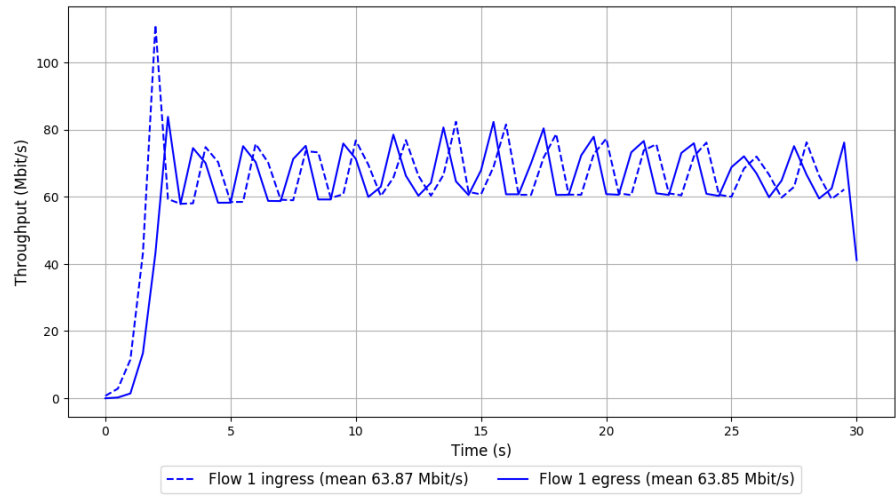


Run 7: Statistics of TCP Vegas

Start at: 2018-08-10 12:43:21
End at: 2018-08-10 12:43:51
Local clock offset: -0.039 ms
Remote clock offset: -0.606 ms

Below is generated by plot.py at 2018-08-10 15:41:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.85 Mbit/s
95th percentile per-packet one-way delay: 112.584 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 63.85 Mbit/s
95th percentile per-packet one-way delay: 112.584 ms
Loss rate: 0.76%

Run 7: Report of TCP Vegas — Data Link

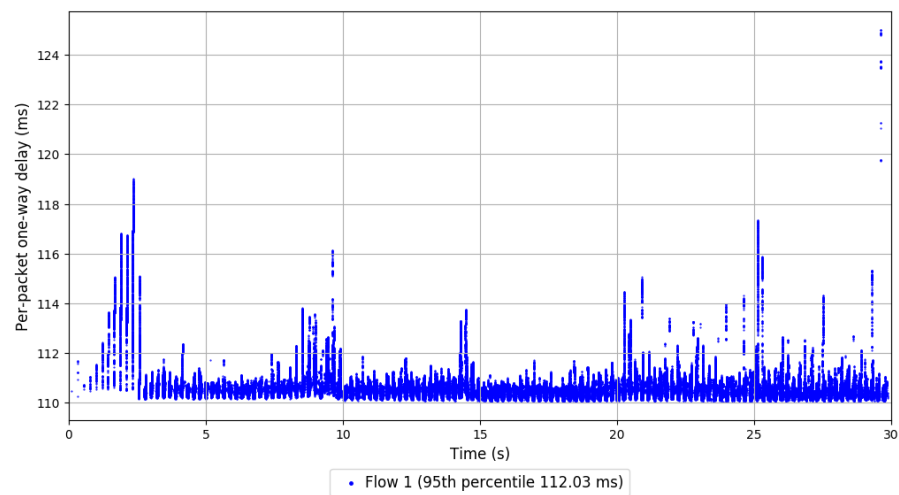
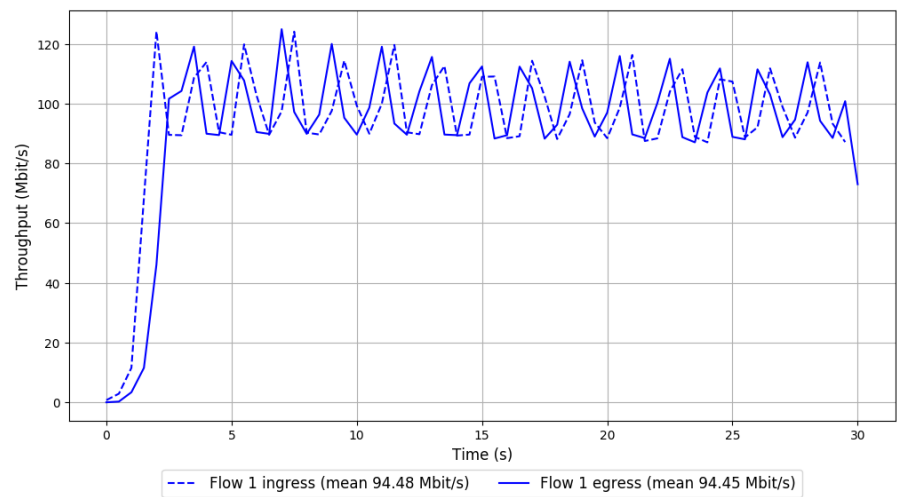


Run 8: Statistics of TCP Vegas

Start at: 2018-08-10 13:06:03
End at: 2018-08-10 13:06:33
Local clock offset: -0.105 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-08-10 15:41:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 112.025 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 112.025 ms
Loss rate: 0.77%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-10 13:29:20

End at: 2018-08-10 13:29:50

Local clock offset: -0.056 ms

Remote clock offset: 0.236 ms

Below is generated by plot.py at 2018-08-10 15:41:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.44 Mbit/s

95th percentile per-packet one-way delay: 113.967 ms

Loss rate: 0.77%

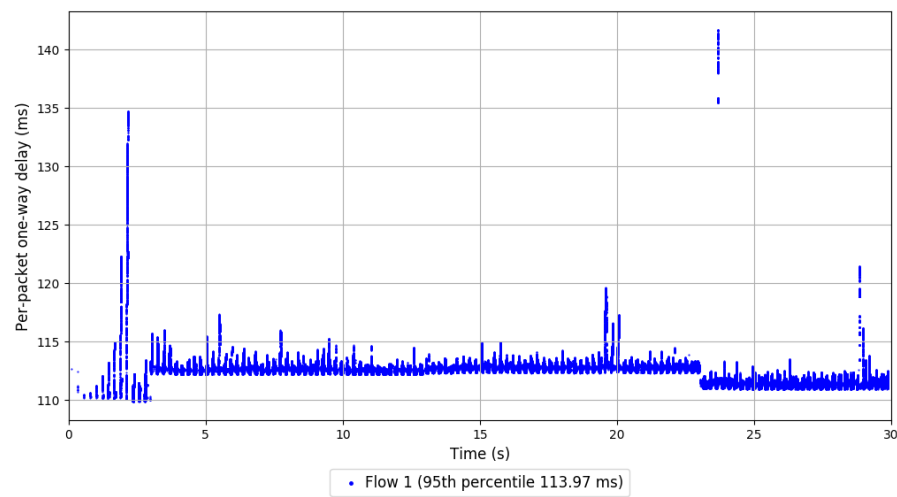
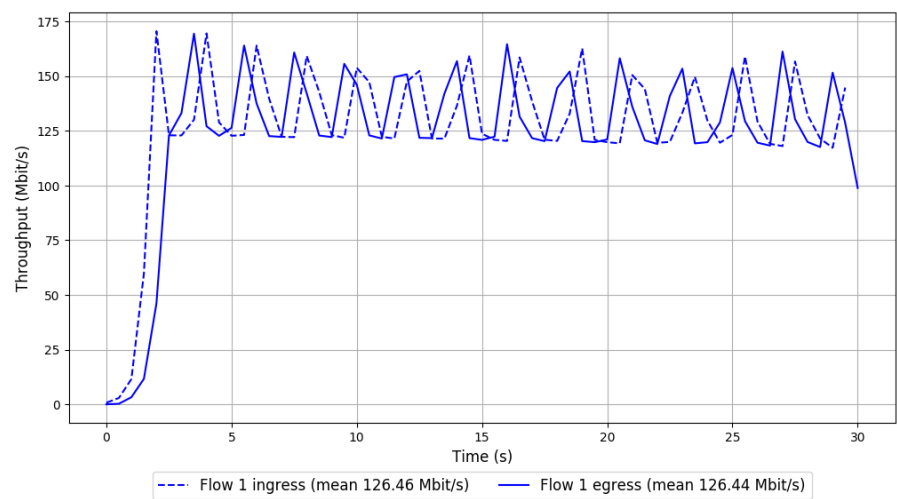
-- Flow 1:

Average throughput: 126.44 Mbit/s

95th percentile per-packet one-way delay: 113.967 ms

Loss rate: 0.77%

Run 9: Report of TCP Vegas — Data Link

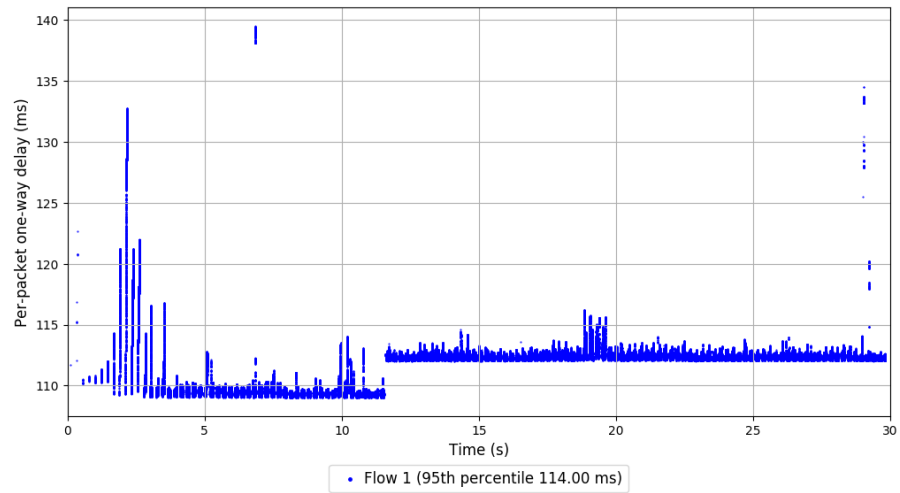
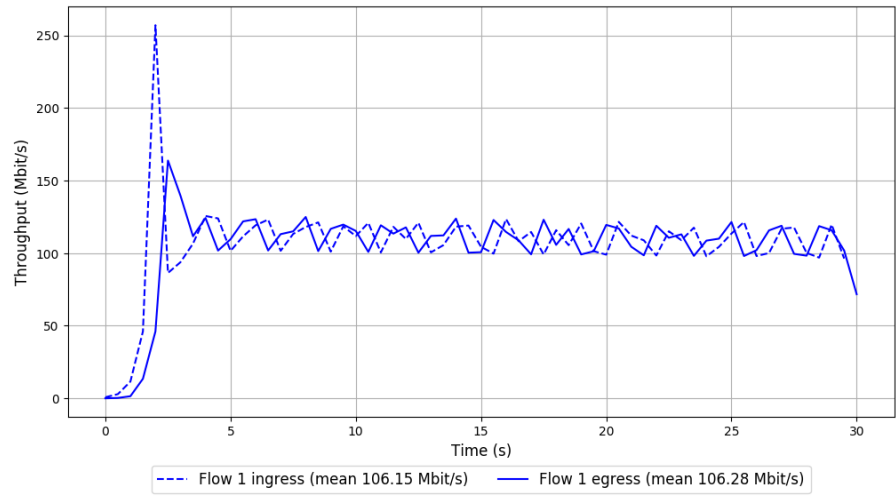


Run 10: Statistics of TCP Vegas

Start at: 2018-08-10 13:52:31
End at: 2018-08-10 13:53:01
Local clock offset: -0.178 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-08-10 15:41:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.28 Mbit/s
95th percentile per-packet one-way delay: 114.003 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 106.28 Mbit/s
95th percentile per-packet one-way delay: 114.003 ms
Loss rate: 0.76%

Run 10: Report of TCP Vegas — Data Link

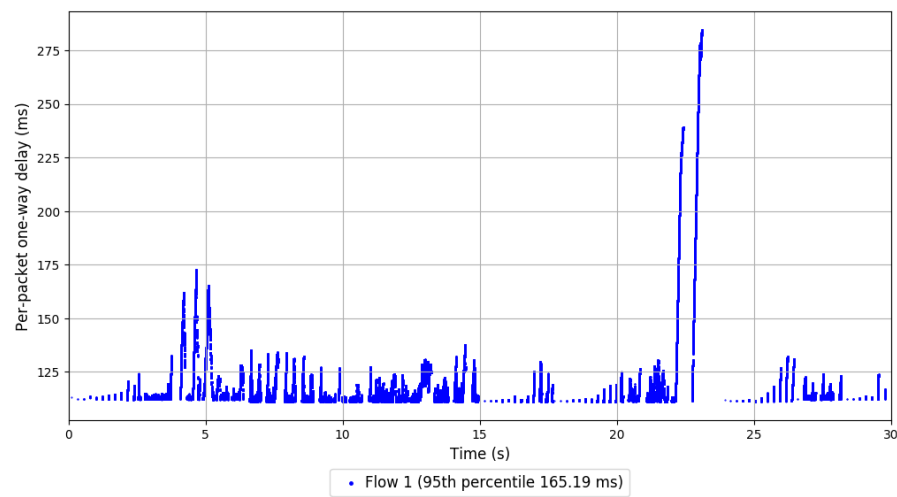
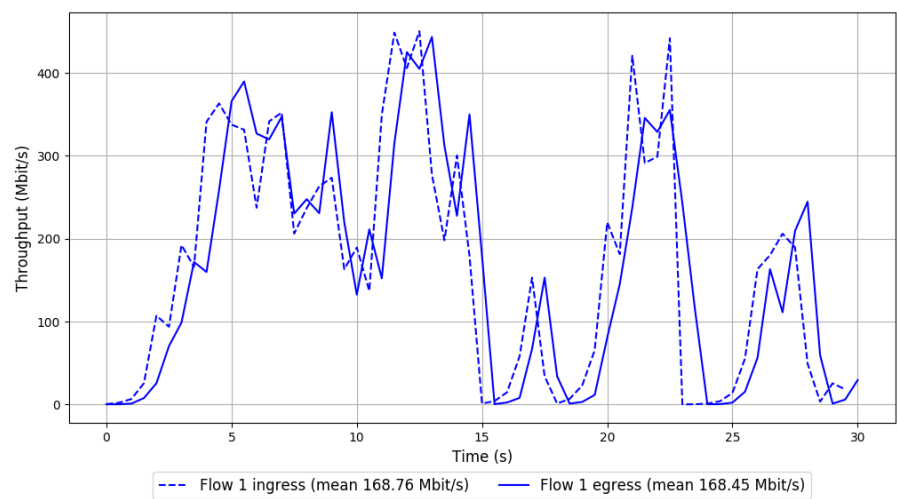


Run 1: Statistics of Verus

Start at: 2018-08-10 10:29:56
End at: 2018-08-10 10:30:26
Local clock offset: 0.518 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-08-10 15:41:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.45 Mbit/s
95th percentile per-packet one-way delay: 165.189 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 168.45 Mbit/s
95th percentile per-packet one-way delay: 165.189 ms
Loss rate: 0.93%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-10 10:52:12

End at: 2018-08-10 10:52:42

Local clock offset: 1.152 ms

Remote clock offset: -0.53 ms

Below is generated by plot.py at 2018-08-10 15:41:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.31 Mbit/s

95th percentile per-packet one-way delay: 130.965 ms

Loss rate: 1.23%

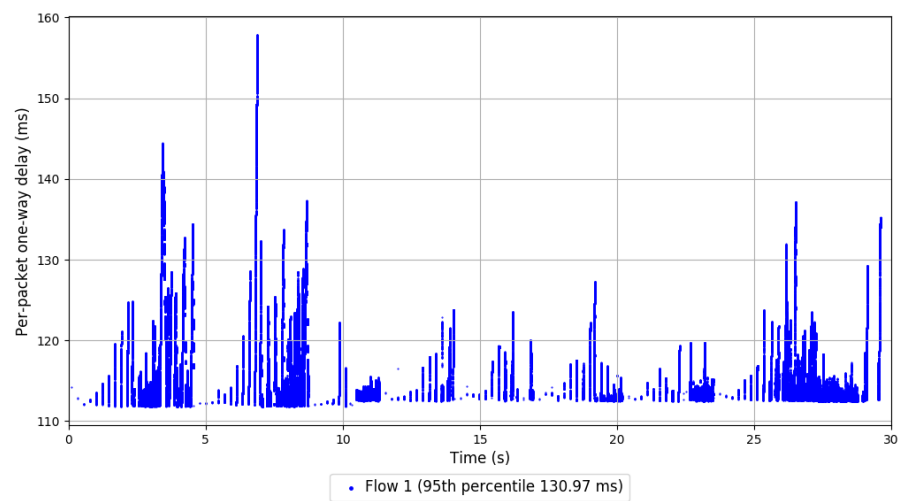
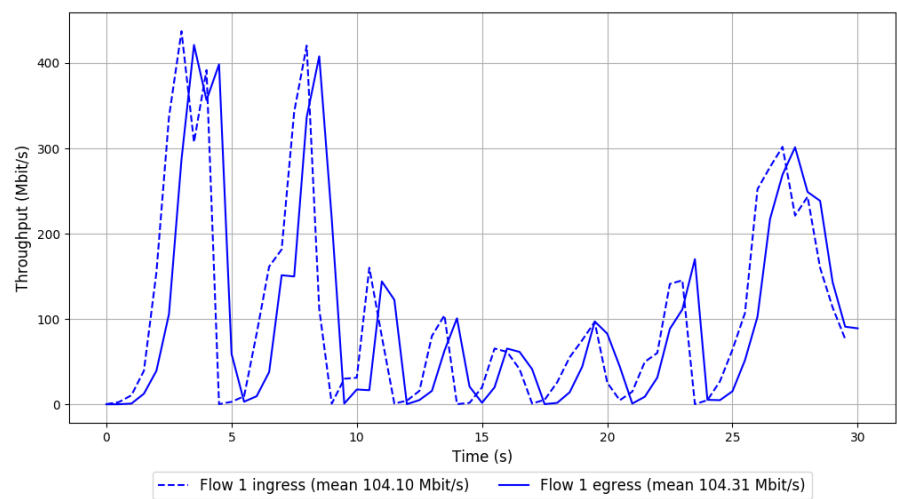
-- Flow 1:

Average throughput: 104.31 Mbit/s

95th percentile per-packet one-way delay: 130.965 ms

Loss rate: 1.23%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-10 11:14:32

End at: 2018-08-10 11:15:02

Local clock offset: -0.112 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2018-08-10 15:41:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.18 Mbit/s

95th percentile per-packet one-way delay: 134.061 ms

Loss rate: 0.28%

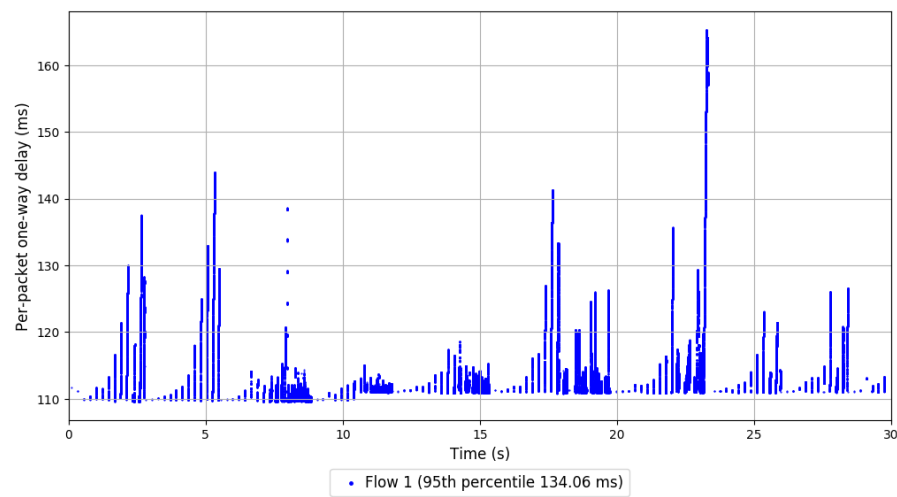
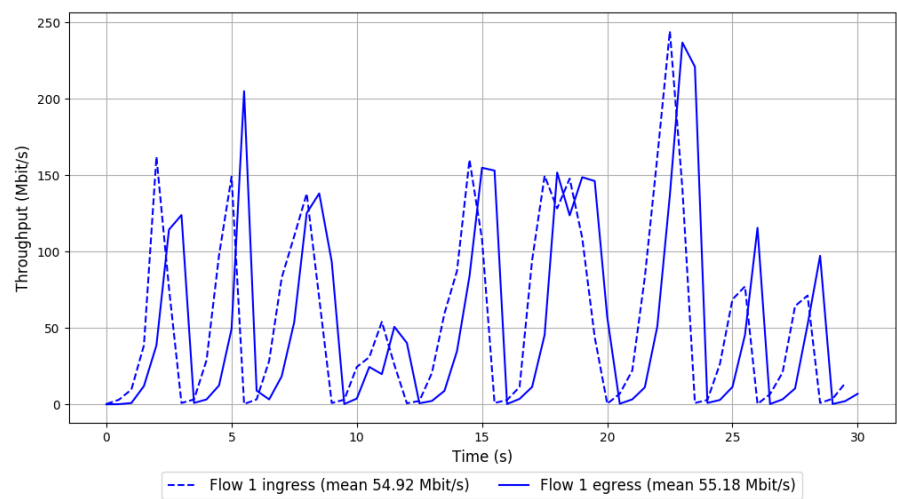
-- Flow 1:

Average throughput: 55.18 Mbit/s

95th percentile per-packet one-way delay: 134.061 ms

Loss rate: 0.28%

Run 3: Report of Verus — Data Link

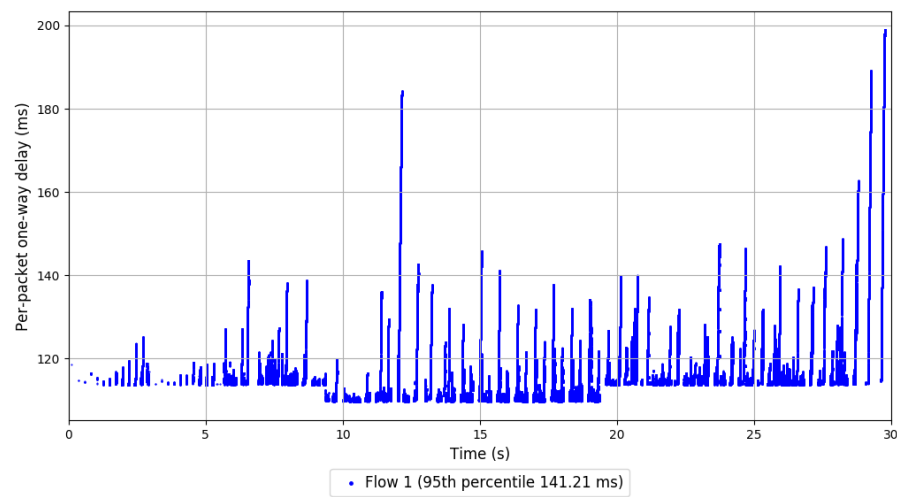
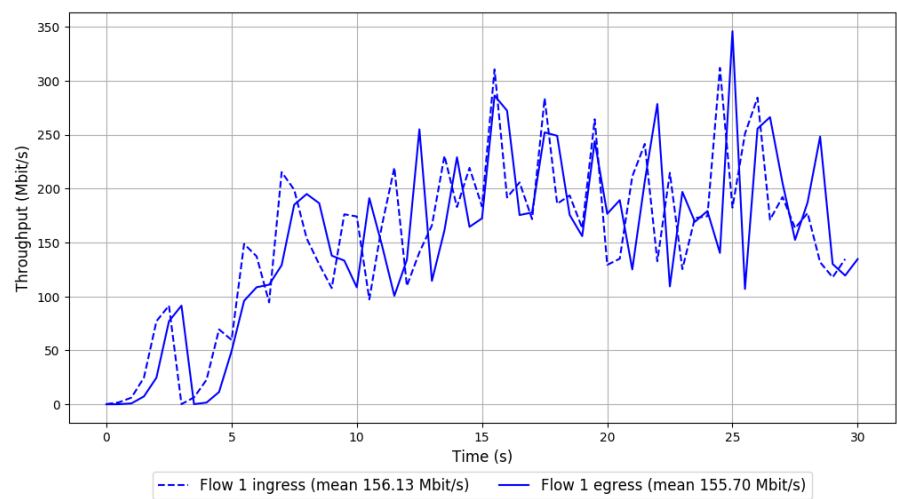


Run 4: Statistics of Verus

Start at: 2018-08-10 11:36:43
End at: 2018-08-10 11:37:13
Local clock offset: -1.268 ms
Remote clock offset: -0.603 ms

Below is generated by plot.py at 2018-08-10 15:41:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.70 Mbit/s
95th percentile per-packet one-way delay: 141.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.70 Mbit/s
95th percentile per-packet one-way delay: 141.209 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-10 11:59:09

End at: 2018-08-10 11:59:39

Local clock offset: 0.141 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-08-10 15:43:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.52 Mbit/s

95th percentile per-packet one-way delay: 261.865 ms

Loss rate: 18.26%

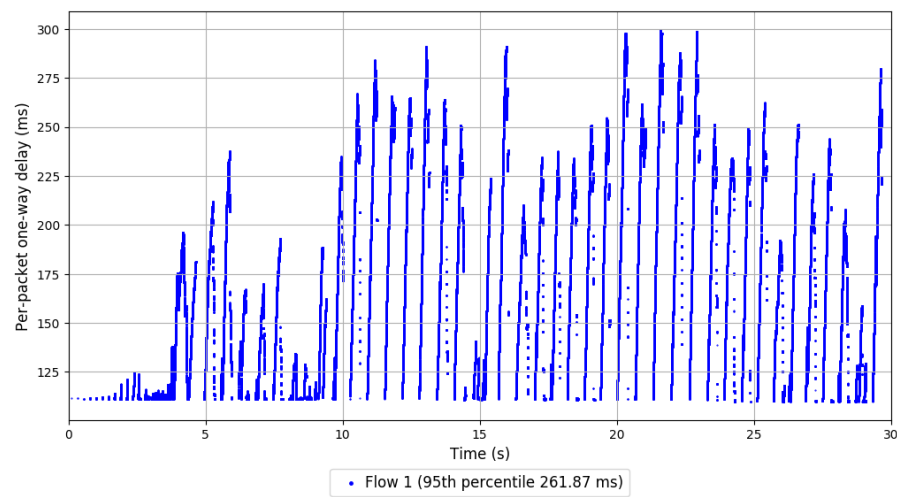
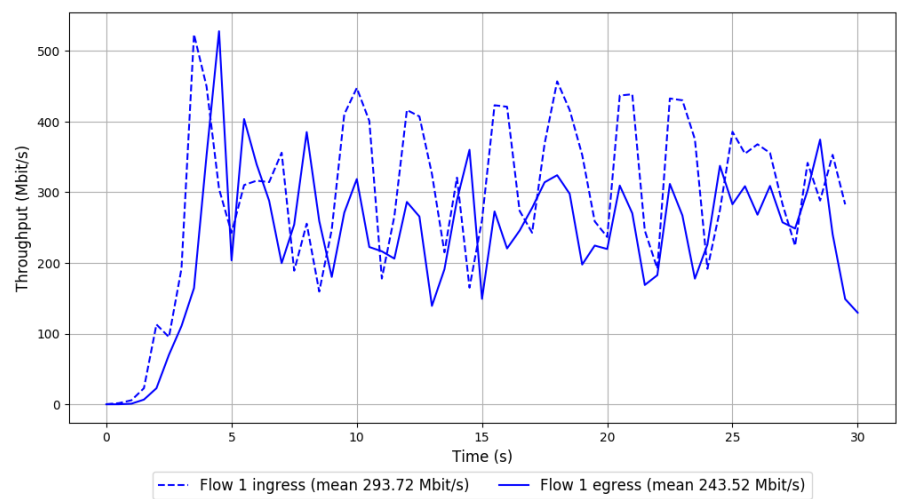
-- Flow 1:

Average throughput: 243.52 Mbit/s

95th percentile per-packet one-way delay: 261.865 ms

Loss rate: 18.26%

Run 5: Report of Verus — Data Link

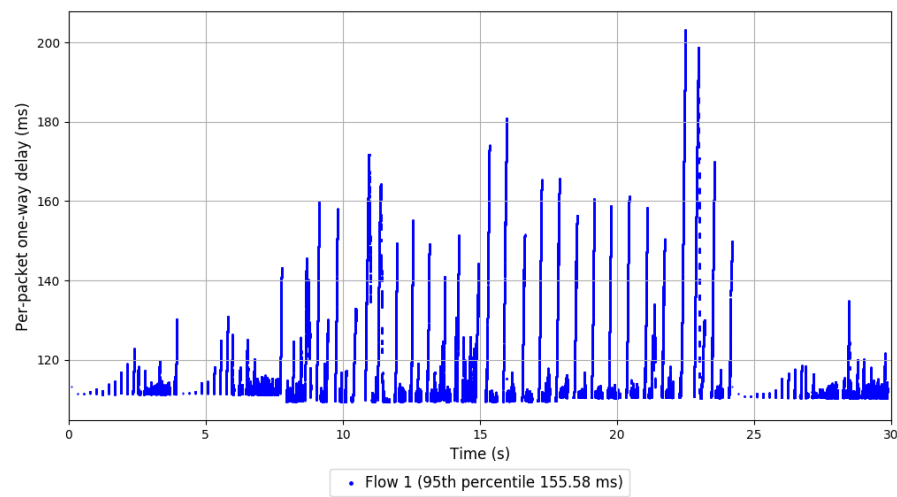
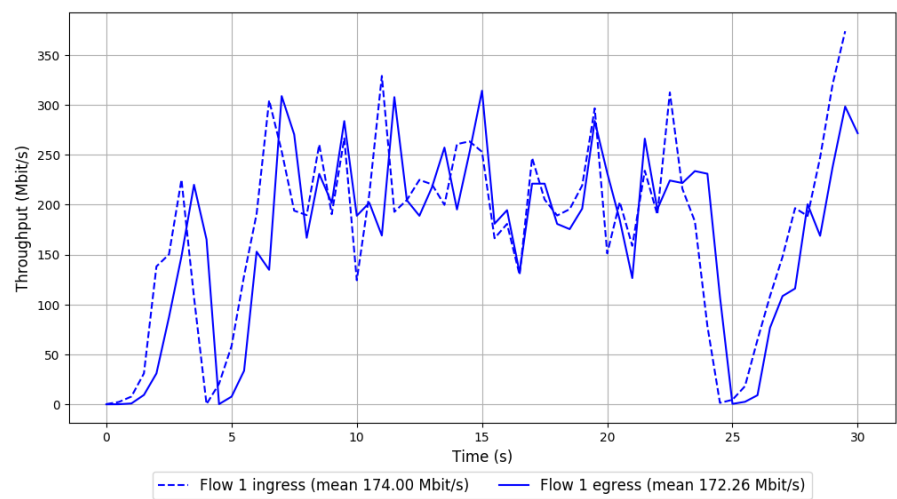


Run 6: Statistics of Verus

Start at: 2018-08-10 12:21:45
End at: 2018-08-10 12:22:15
Local clock offset: 0.165 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-08-10 15:43:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.26 Mbit/s
95th percentile per-packet one-way delay: 155.577 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 172.26 Mbit/s
95th percentile per-packet one-way delay: 155.577 ms
Loss rate: 1.74%

Run 6: Report of Verus — Data Link

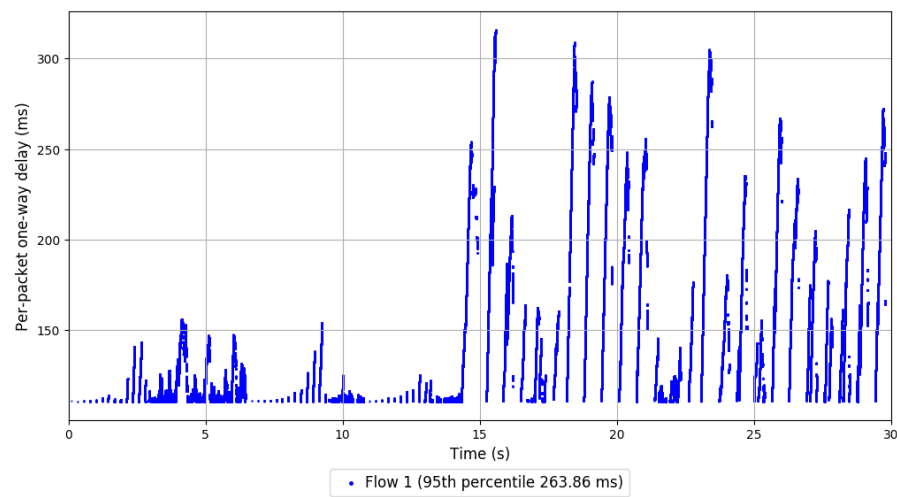
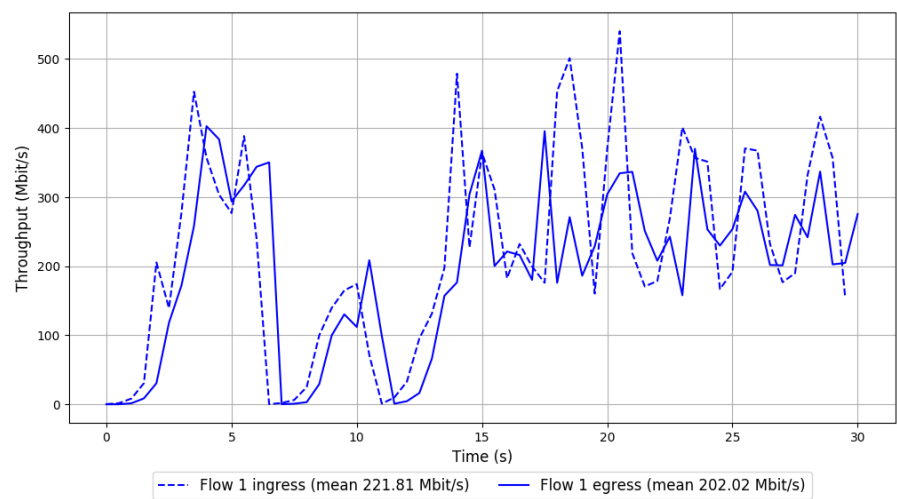


Run 7: Statistics of Verus

Start at: 2018-08-10 12:44:33
End at: 2018-08-10 12:45:03
Local clock offset: -0.127 ms
Remote clock offset: -0.599 ms

Below is generated by plot.py at 2018-08-10 15:43:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.02 Mbit/s
95th percentile per-packet one-way delay: 263.861 ms
Loss rate: 9.78%
-- Flow 1:
Average throughput: 202.02 Mbit/s
95th percentile per-packet one-way delay: 263.861 ms
Loss rate: 9.78%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-10 13:07:16

End at: 2018-08-10 13:07:46

Local clock offset: 0.006 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-08-10 15:43:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.80 Mbit/s

95th percentile per-packet one-way delay: 145.190 ms

Loss rate: 1.55%

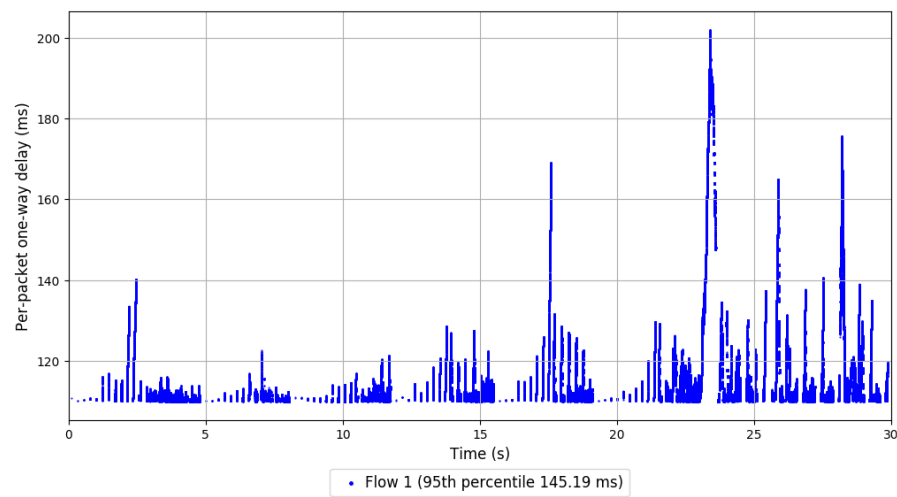
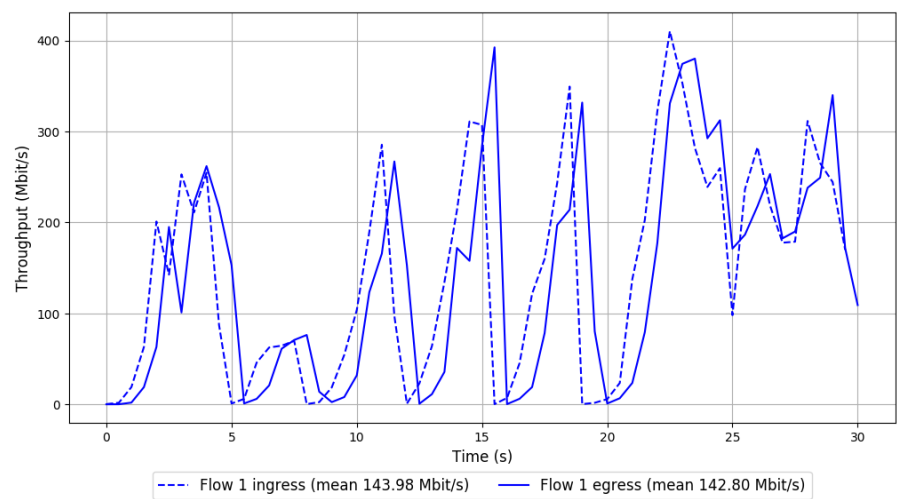
-- Flow 1:

Average throughput: 142.80 Mbit/s

95th percentile per-packet one-way delay: 145.190 ms

Loss rate: 1.55%

Run 8: Report of Verus — Data Link

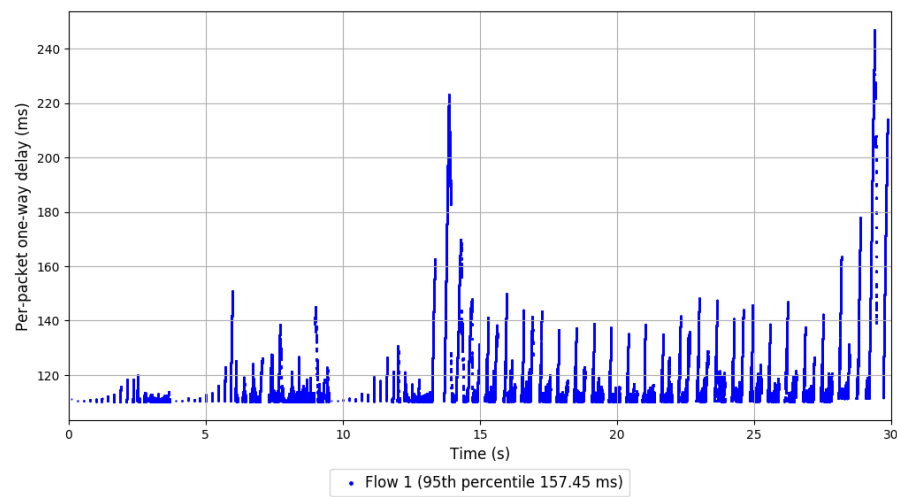
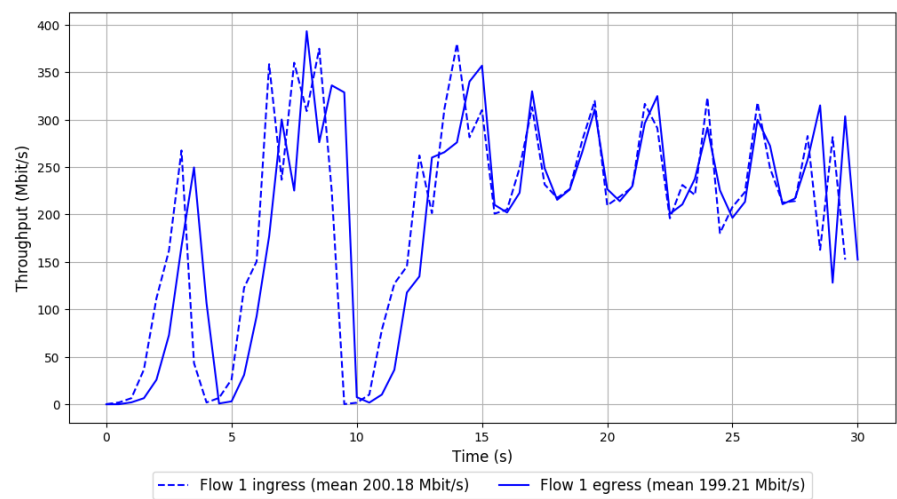


Run 9: Statistics of Verus

Start at: 2018-08-10 13:30:35
End at: 2018-08-10 13:31:05
Local clock offset: -0.108 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-10 15:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.21 Mbit/s
95th percentile per-packet one-way delay: 157.451 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 199.21 Mbit/s
95th percentile per-packet one-way delay: 157.451 ms
Loss rate: 0.14%

Run 9: Report of Verus — Data Link

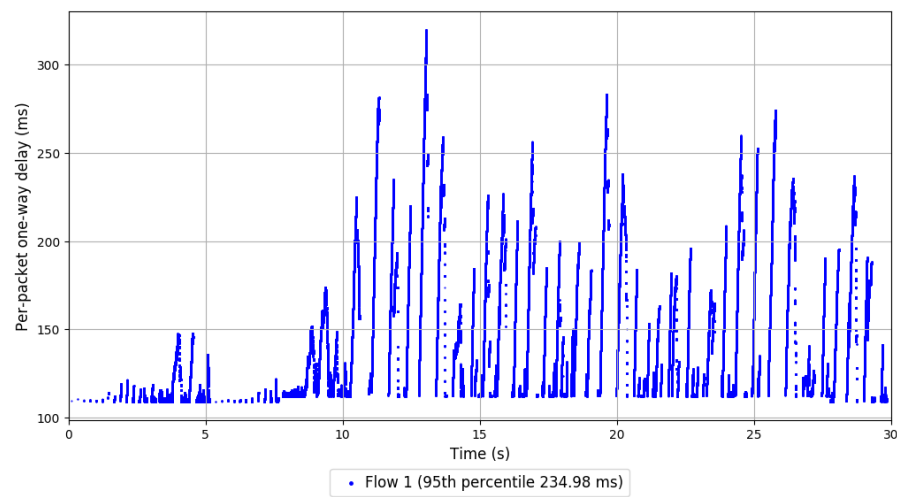
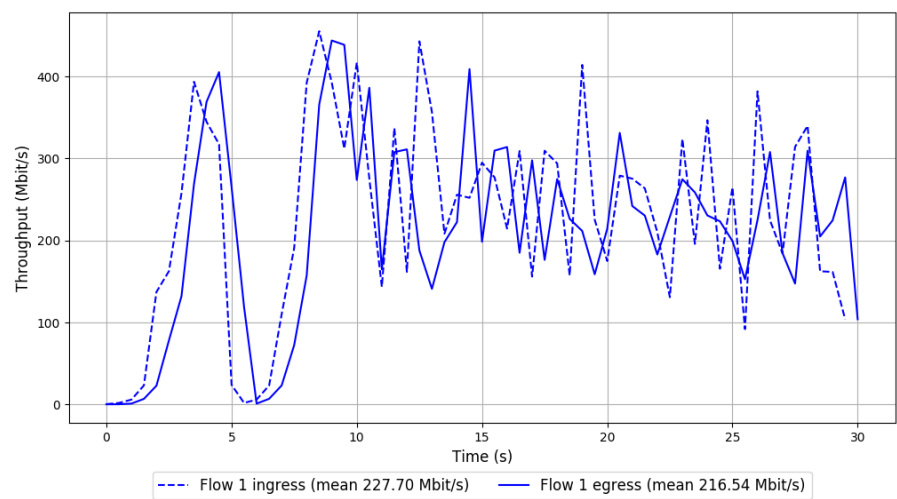


Run 10: Statistics of Verus

Start at: 2018-08-10 13:53:45
End at: 2018-08-10 13:54:15
Local clock offset: -0.11 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-08-10 15:45:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.54 Mbit/s
95th percentile per-packet one-way delay: 234.980 ms
Loss rate: 5.60%
-- Flow 1:
Average throughput: 216.54 Mbit/s
95th percentile per-packet one-way delay: 234.980 ms
Loss rate: 5.60%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-10 10:26:12

End at: 2018-08-10 10:26:42

Local clock offset: 0.785 ms

Remote clock offset: -0.475 ms

Below is generated by plot.py at 2018-08-10 15:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.93 Mbit/s

95th percentile per-packet one-way delay: 114.483 ms

Loss rate: 0.92%

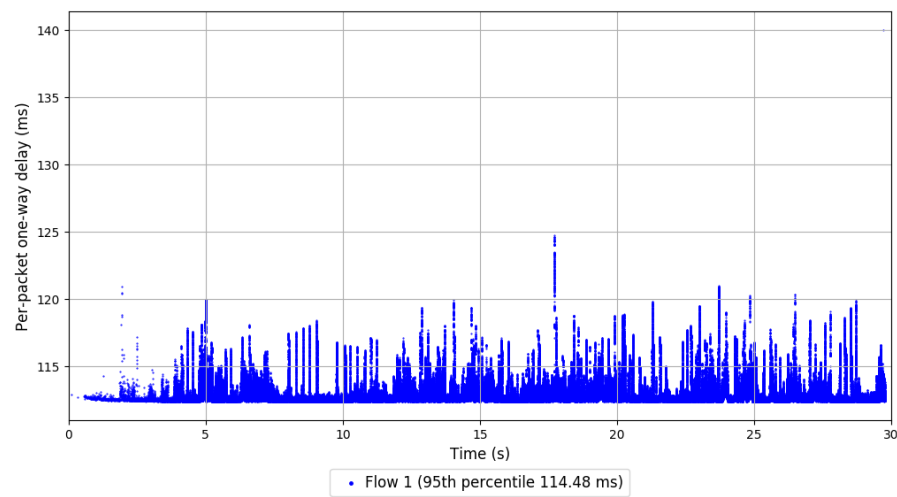
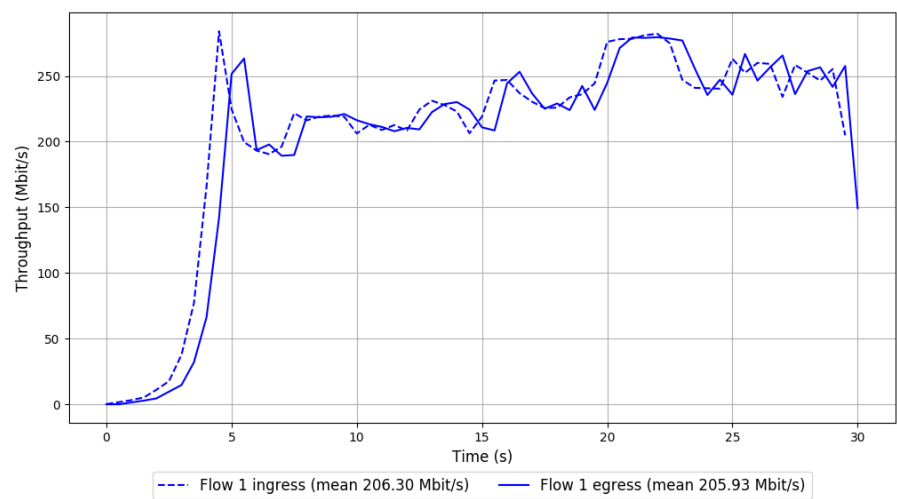
-- Flow 1:

Average throughput: 205.93 Mbit/s

95th percentile per-packet one-way delay: 114.483 ms

Loss rate: 0.92%

Run 1: Report of PCC-Vivace — Data Link

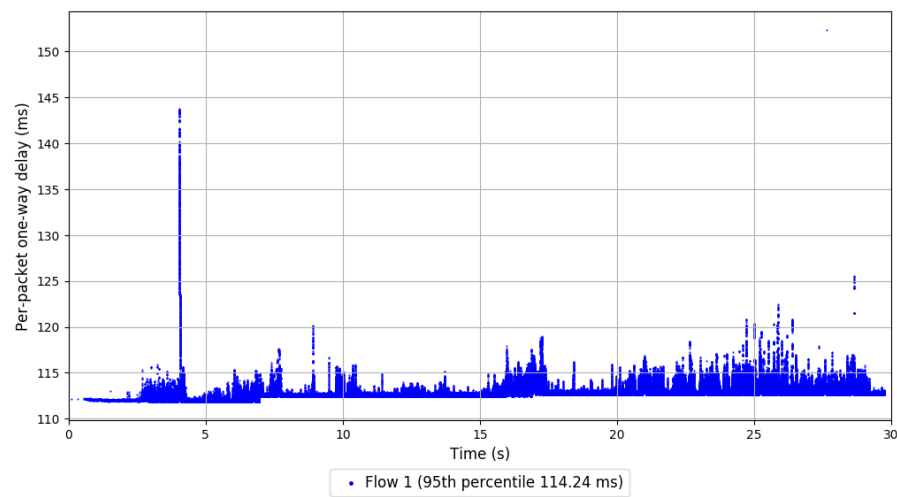
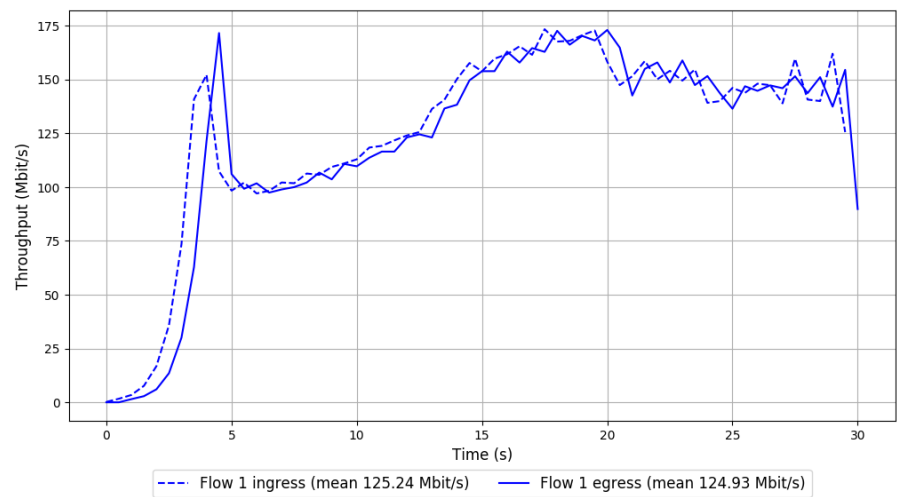


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-10 10:48:36
End at: 2018-08-10 10:49:06
Local clock offset: 1.155 ms
Remote clock offset: -0.536 ms

Below is generated by plot.py at 2018-08-10 15:45:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.93 Mbit/s
95th percentile per-packet one-way delay: 114.238 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 124.93 Mbit/s
95th percentile per-packet one-way delay: 114.238 ms
Loss rate: 0.99%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-10 11:10:45

End at: 2018-08-10 11:11:15

Local clock offset: -0.299 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-08-10 15:46:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.27 Mbit/s

95th percentile per-packet one-way delay: 116.714 ms

Loss rate: 0.64%

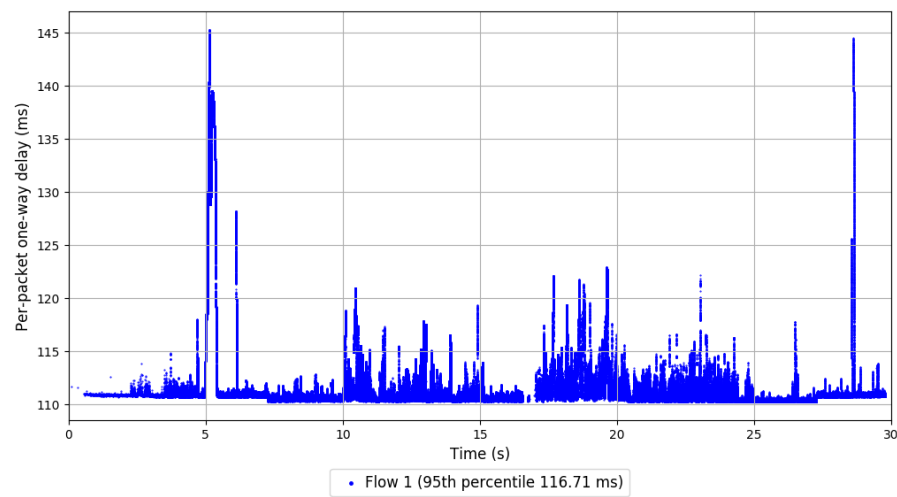
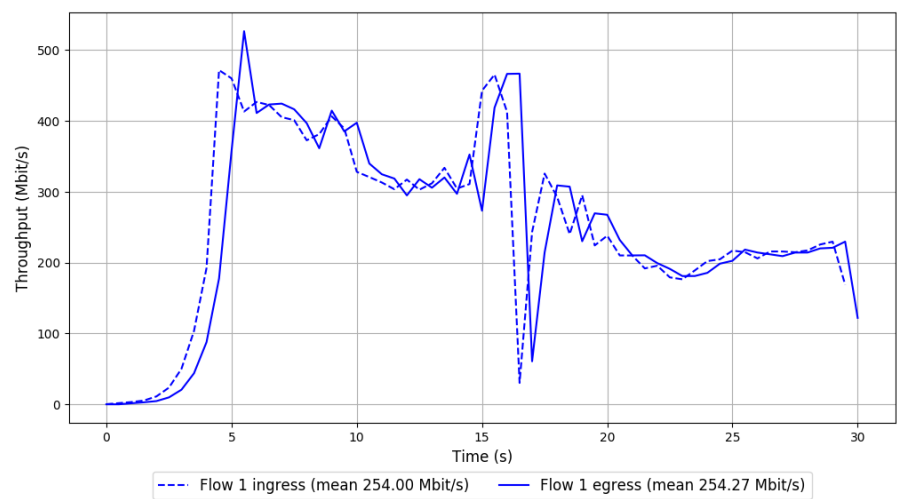
-- Flow 1:

Average throughput: 254.27 Mbit/s

95th percentile per-packet one-way delay: 116.714 ms

Loss rate: 0.64%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-10 11:33:05

End at: 2018-08-10 11:33:35

Local clock offset: 0.693 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-08-10 15:46:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.50 Mbit/s

95th percentile per-packet one-way delay: 113.743 ms

Loss rate: 0.95%

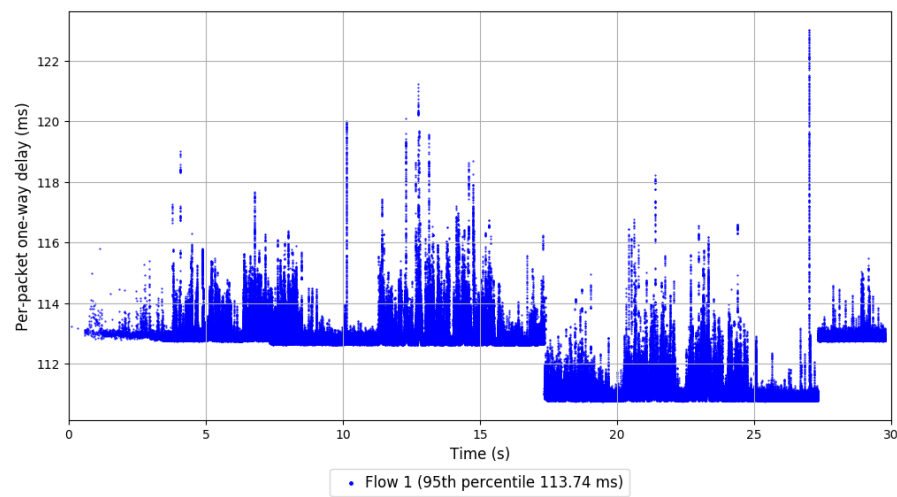
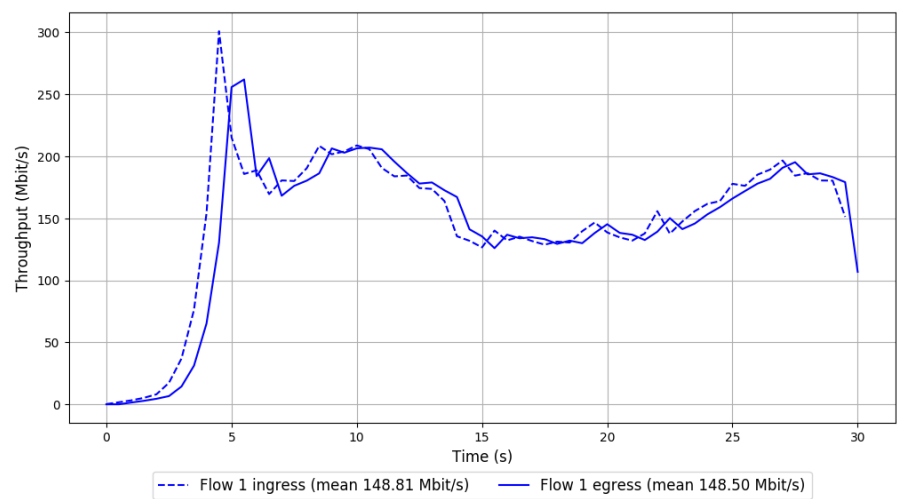
-- Flow 1:

Average throughput: 148.50 Mbit/s

95th percentile per-packet one-way delay: 113.743 ms

Loss rate: 0.95%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-10 11:55:25

End at: 2018-08-10 11:55:55

Local clock offset: -0.457 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-08-10 15:46:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.32 Mbit/s

95th percentile per-packet one-way delay: 109.566 ms

Loss rate: 0.96%

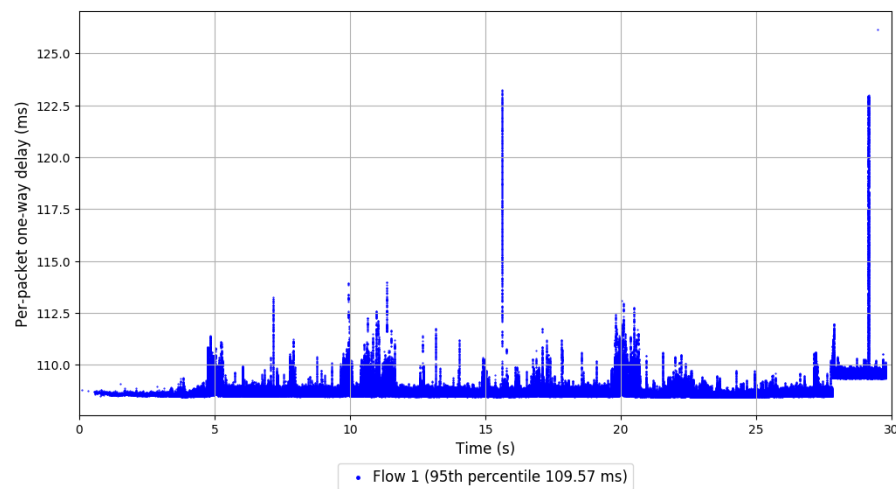
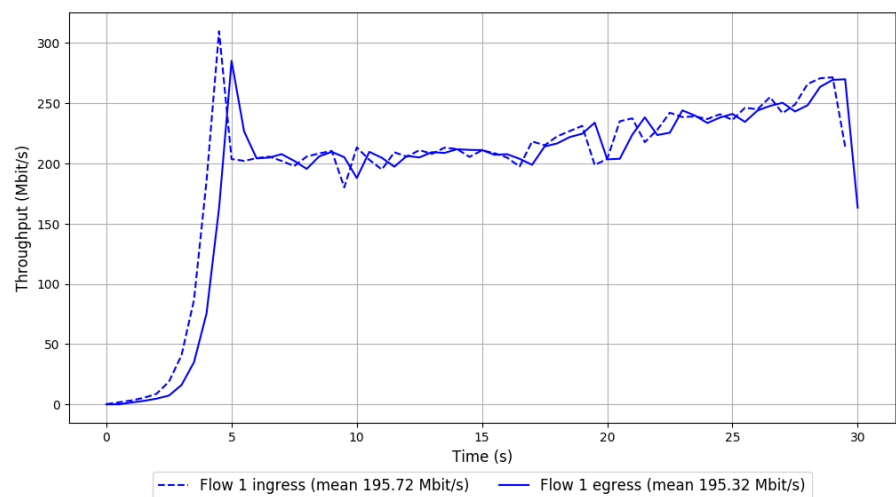
-- Flow 1:

Average throughput: 195.32 Mbit/s

95th percentile per-packet one-way delay: 109.566 ms

Loss rate: 0.96%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-10 12:17:54

End at: 2018-08-10 12:18:24

Local clock offset: 0.123 ms

Remote clock offset: -0.506 ms

Below is generated by plot.py at 2018-08-10 15:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 344.05 Mbit/s

95th percentile per-packet one-way delay: 120.902 ms

Loss rate: 0.91%

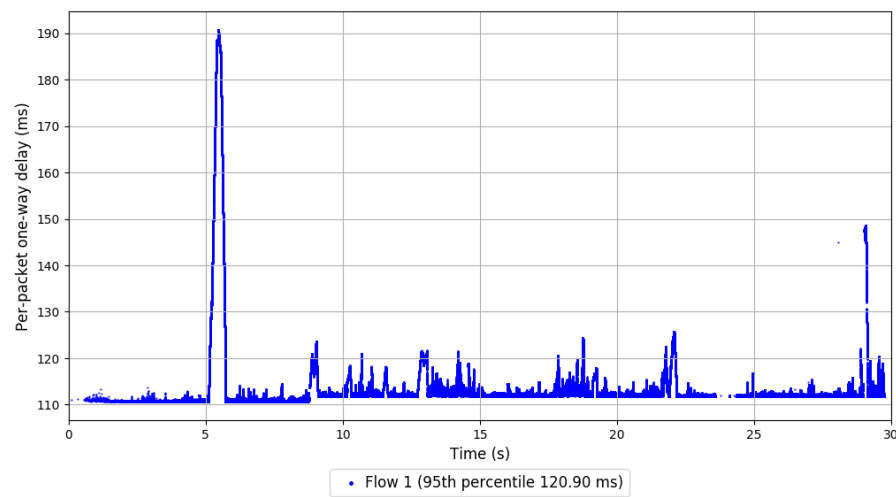
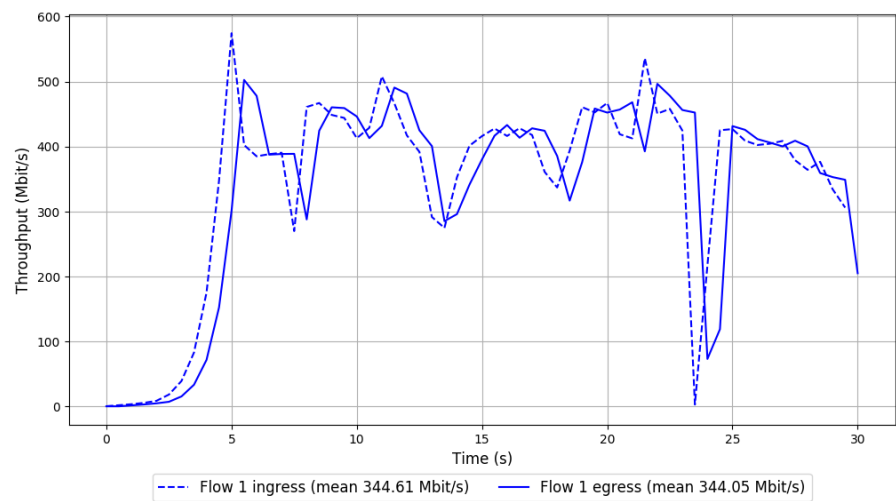
-- Flow 1:

Average throughput: 344.05 Mbit/s

95th percentile per-packet one-way delay: 120.902 ms

Loss rate: 0.91%

Run 6: Report of PCC-Vivace — Data Link

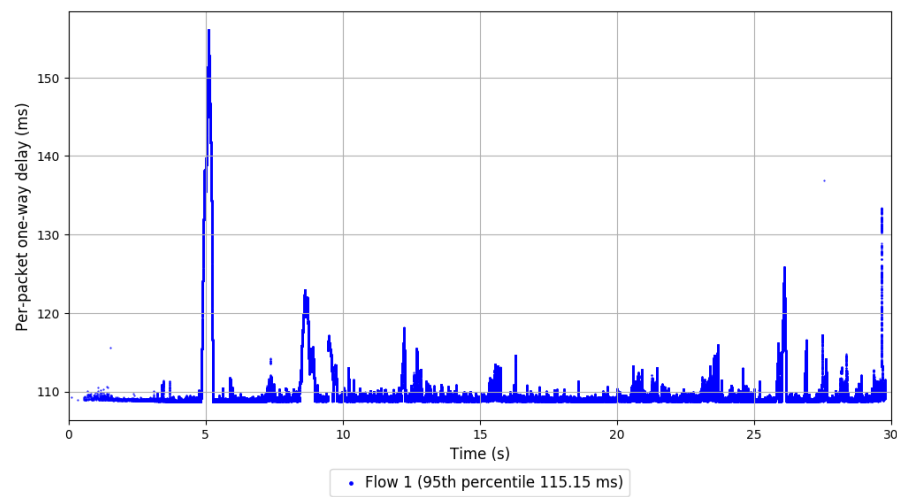
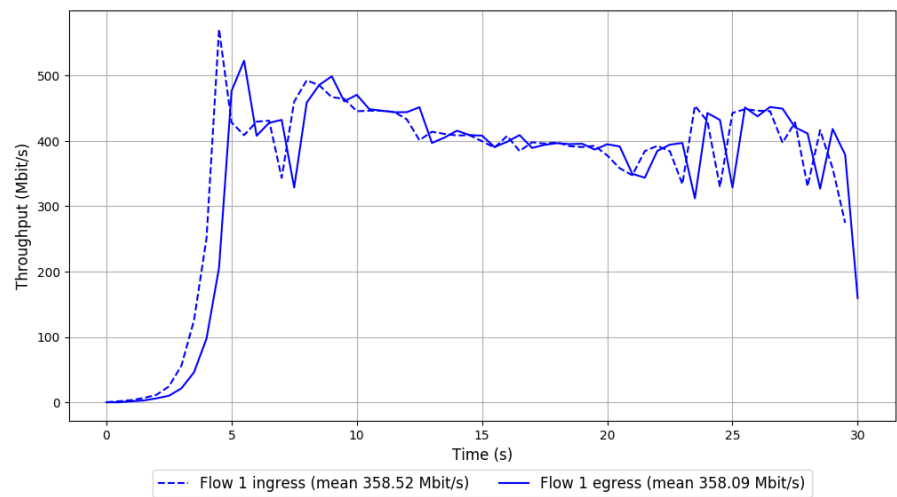


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-10 12:40:39
End at: 2018-08-10 12:41:09
Local clock offset: -0.758 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-08-10 15:48:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 358.09 Mbit/s
95th percentile per-packet one-way delay: 115.149 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 358.09 Mbit/s
95th percentile per-packet one-way delay: 115.149 ms
Loss rate: 0.86%

Run 7: Report of PCC-Vivace — Data Link

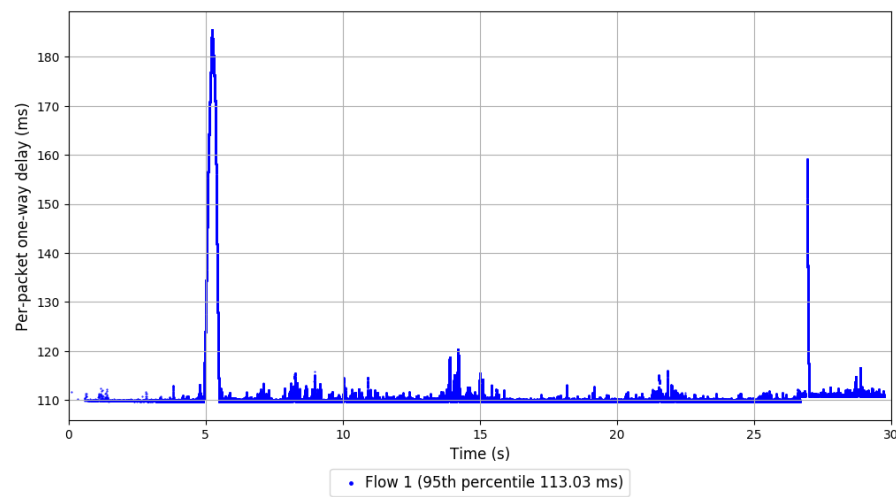
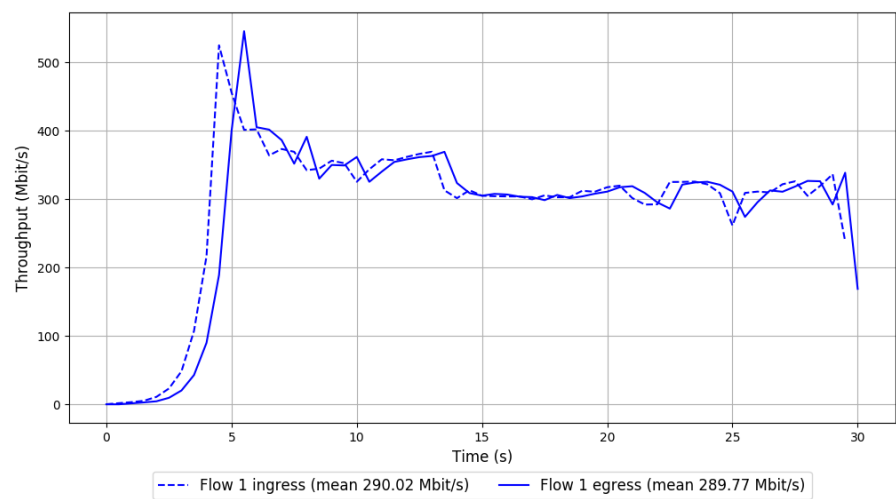


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-10 13:03:26
End at: 2018-08-10 13:03:56
Local clock offset: -0.901 ms
Remote clock offset: -0.567 ms

Below is generated by plot.py at 2018-08-10 15:48:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 289.77 Mbit/s
95th percentile per-packet one-way delay: 113.031 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 289.77 Mbit/s
95th percentile per-packet one-way delay: 113.031 ms
Loss rate: 0.83%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-10 13:26:41

End at: 2018-08-10 13:27:11

Local clock offset: 0.083 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-08-10 15:48:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.35 Mbit/s

95th percentile per-packet one-way delay: 123.305 ms

Loss rate: 0.74%

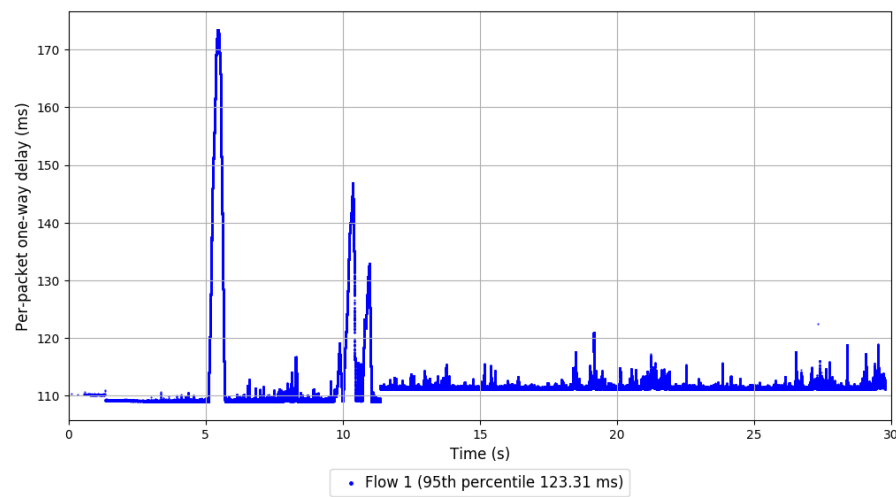
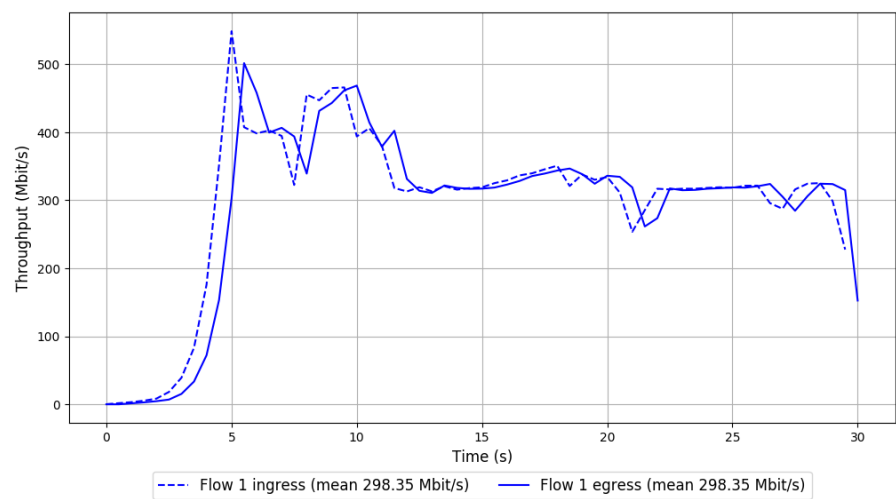
-- Flow 1:

Average throughput: 298.35 Mbit/s

95th percentile per-packet one-way delay: 123.305 ms

Loss rate: 0.74%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-10 13:49:50

End at: 2018-08-10 13:50:20

Local clock offset: -0.072 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-08-10 15:48:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.58 Mbit/s

95th percentile per-packet one-way delay: 111.376 ms

Loss rate: 0.95%

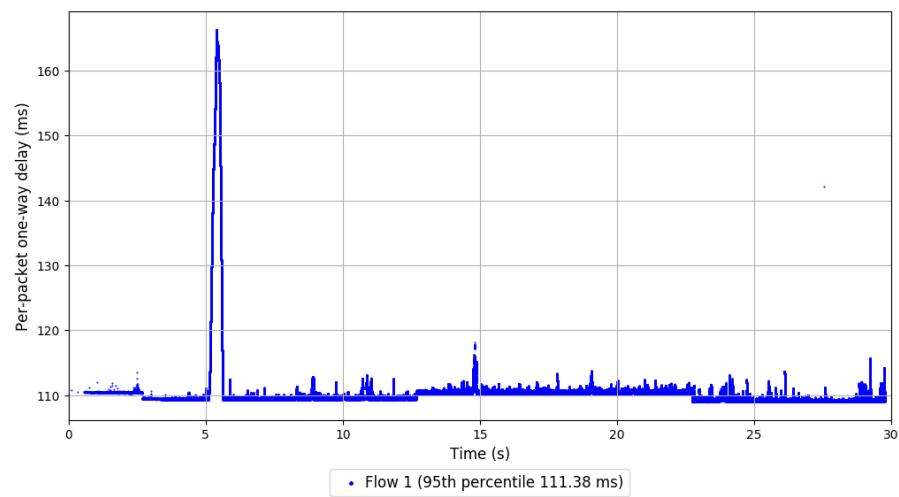
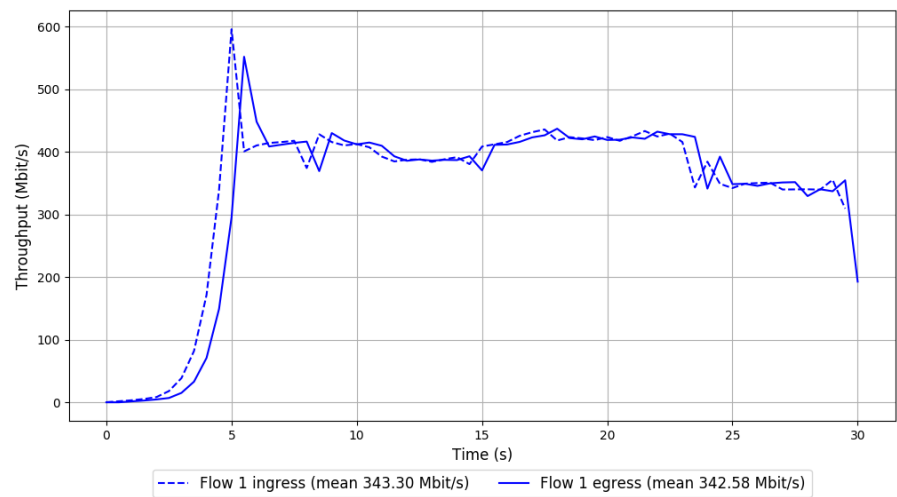
-- Flow 1:

Average throughput: 342.58 Mbit/s

95th percentile per-packet one-way delay: 111.376 ms

Loss rate: 0.95%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-10 10:27:35

End at: 2018-08-10 10:28:05

Local clock offset: -0.145 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-10 15:48:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 111.526 ms

Loss rate: 1.57%

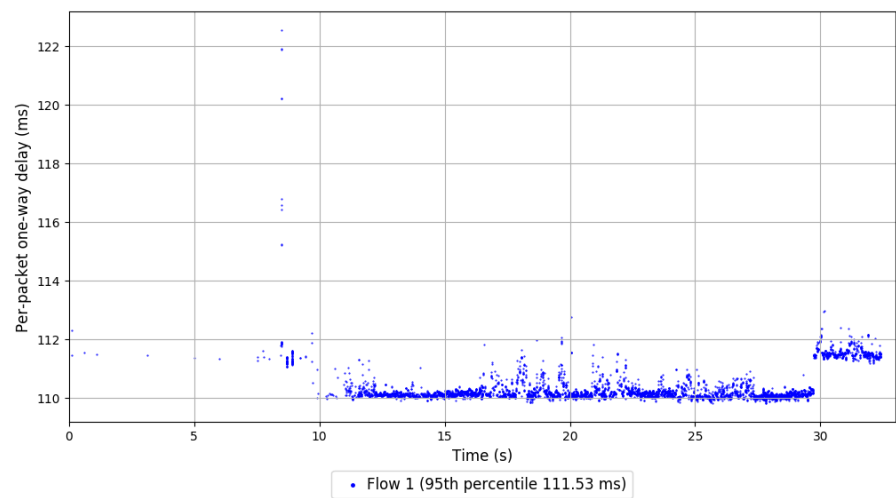
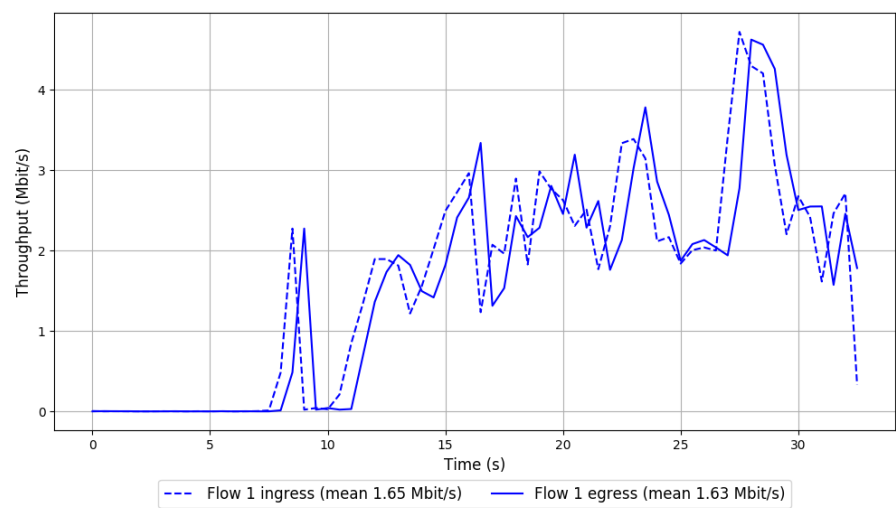
-- Flow 1:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 111.526 ms

Loss rate: 1.57%

Run 1: Report of WebRTC media — Data Link

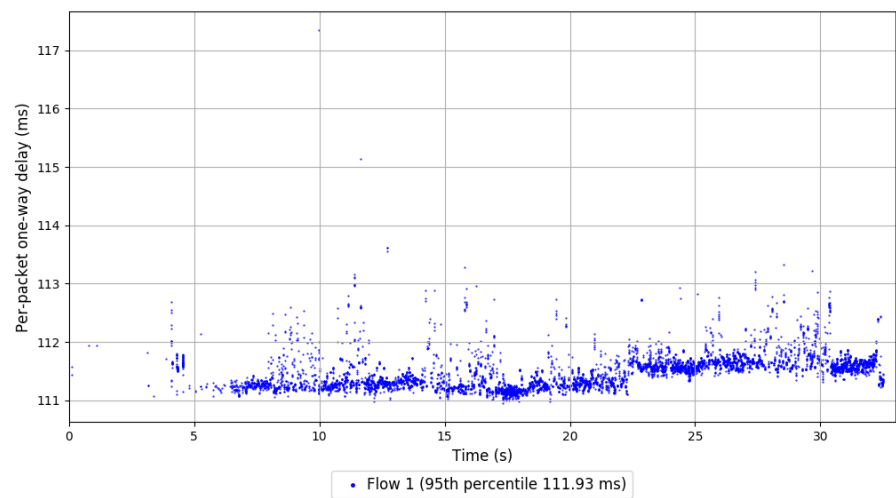
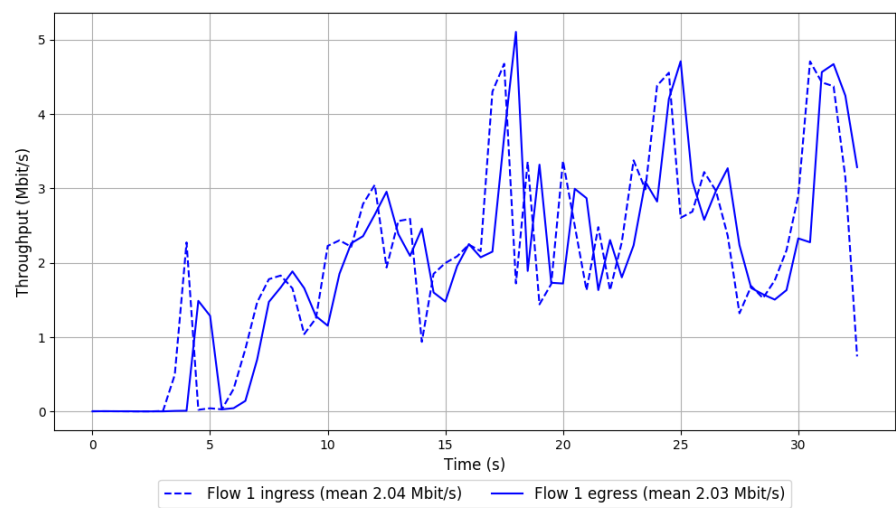


Run 2: Statistics of WebRTC media

Start at: 2018-08-10 10:49:53
End at: 2018-08-10 10:50:23
Local clock offset: 0.059 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-08-10 15:48:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 111.931 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 111.931 ms
Loss rate: 1.21%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-10 11:12:12

End at: 2018-08-10 11:12:42

Local clock offset: -0.378 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-08-10 15:48:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 111.498 ms

Loss rate: 0.68%

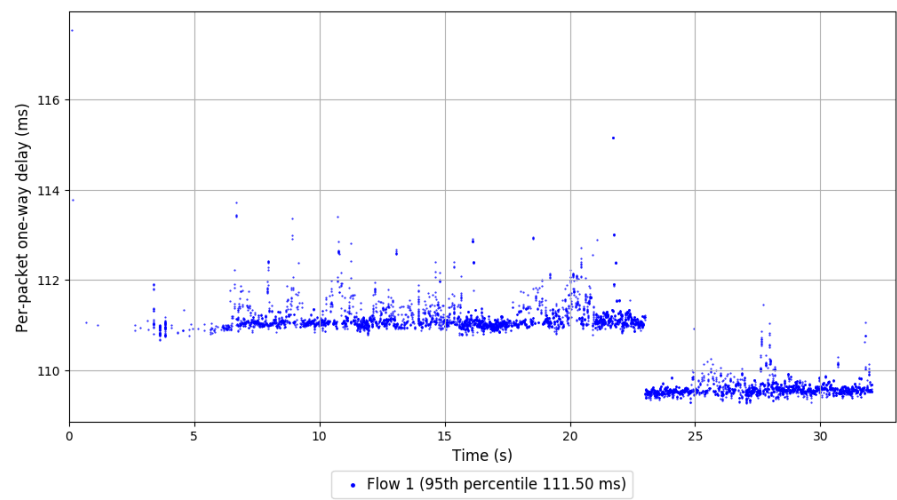
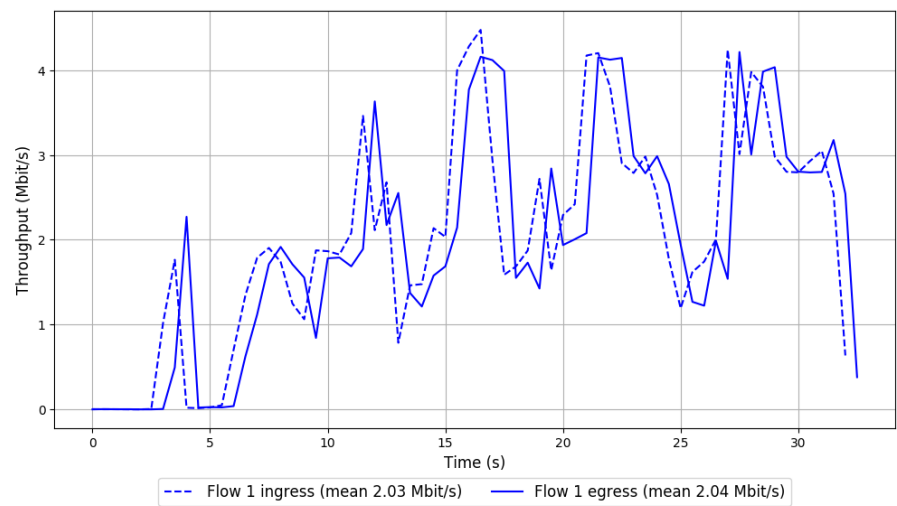
-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 111.498 ms

Loss rate: 0.68%

Run 3: Report of WebRTC media — Data Link

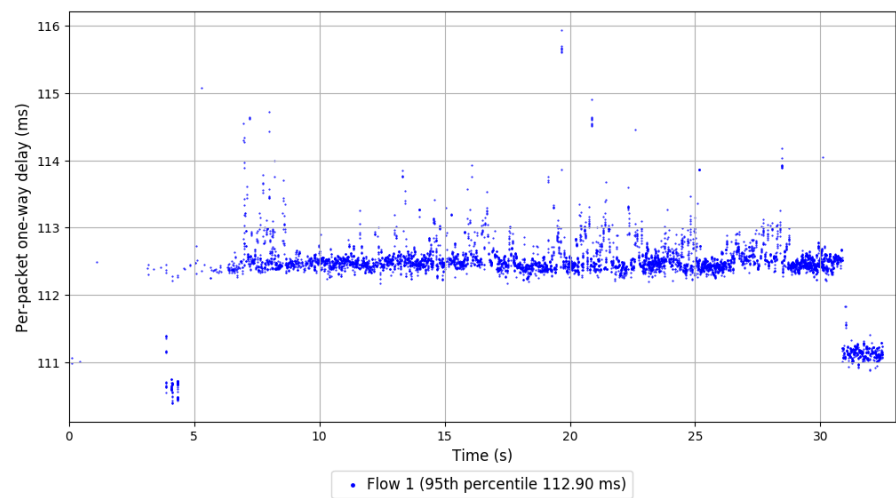
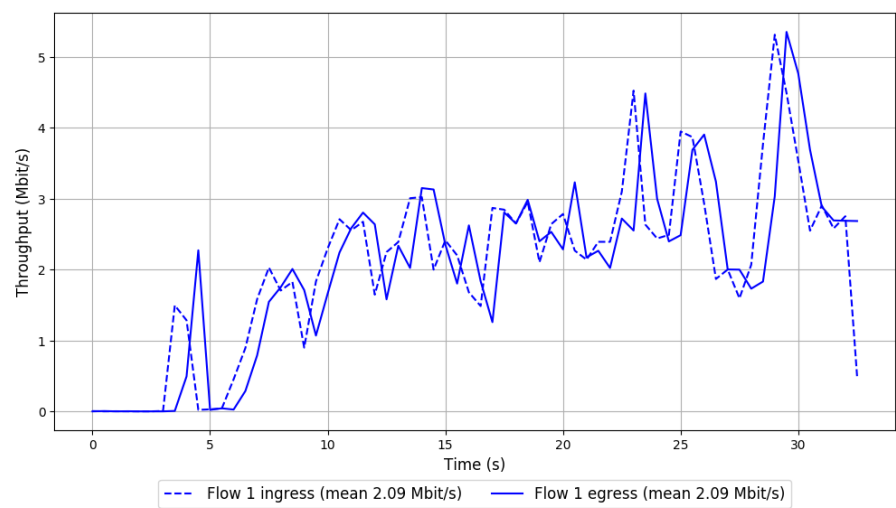


Run 4: Statistics of WebRTC media

Start at: 2018-08-10 11:34:24
End at: 2018-08-10 11:34:54
Local clock offset: -0.121 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-08-10 15:48:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 112.896 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 112.896 ms
Loss rate: 0.81%

Run 4: Report of WebRTC media — Data Link

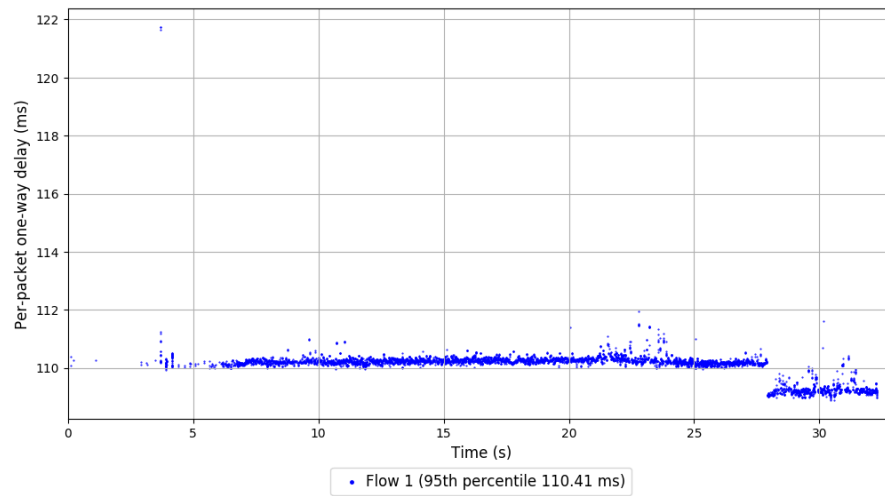
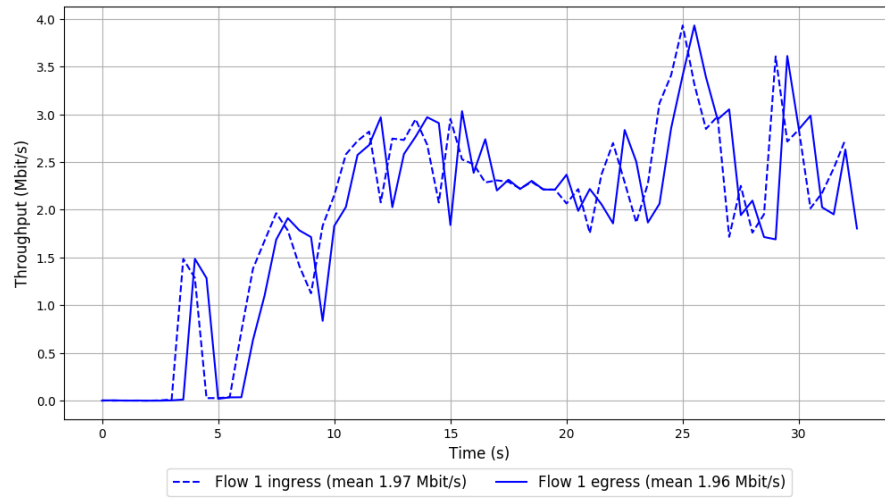


Run 5: Statistics of WebRTC media

Start at: 2018-08-10 11:56:47
End at: 2018-08-10 11:57:17
Local clock offset: -1.308 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-08-10 15:48:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 110.405 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 110.405 ms
Loss rate: 1.14%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-10 12:19:26

End at: 2018-08-10 12:19:57

Local clock offset: -0.804 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-08-10 15:48:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 110.649 ms

Loss rate: 0.97%

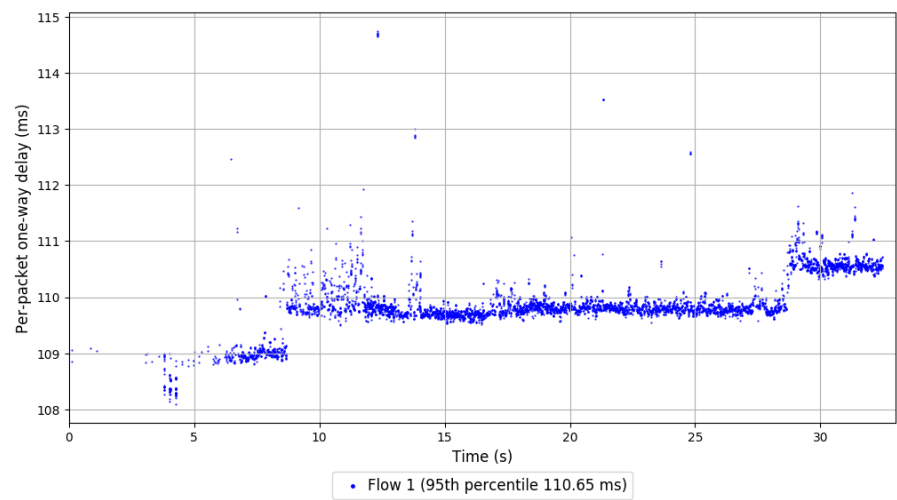
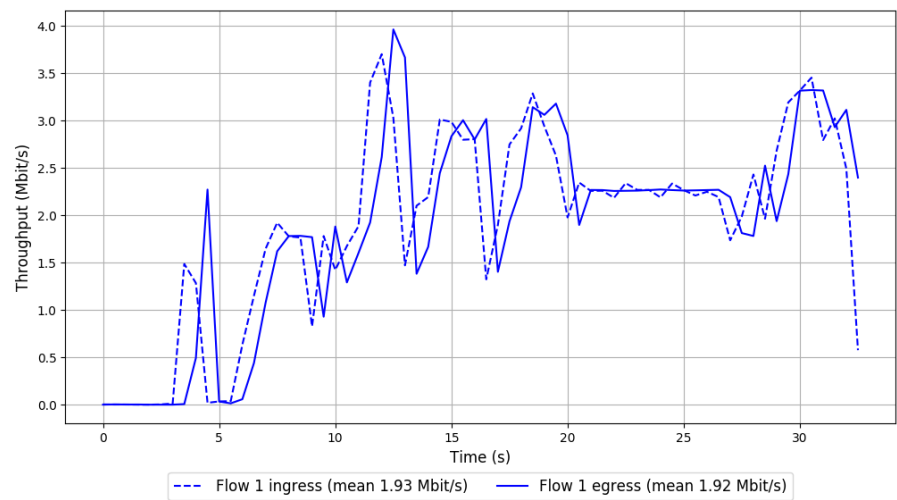
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 110.649 ms

Loss rate: 0.97%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-10 12:42:13

End at: 2018-08-10 12:42:43

Local clock offset: -0.114 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-08-10 15:48:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 110.320 ms

Loss rate: 1.02%

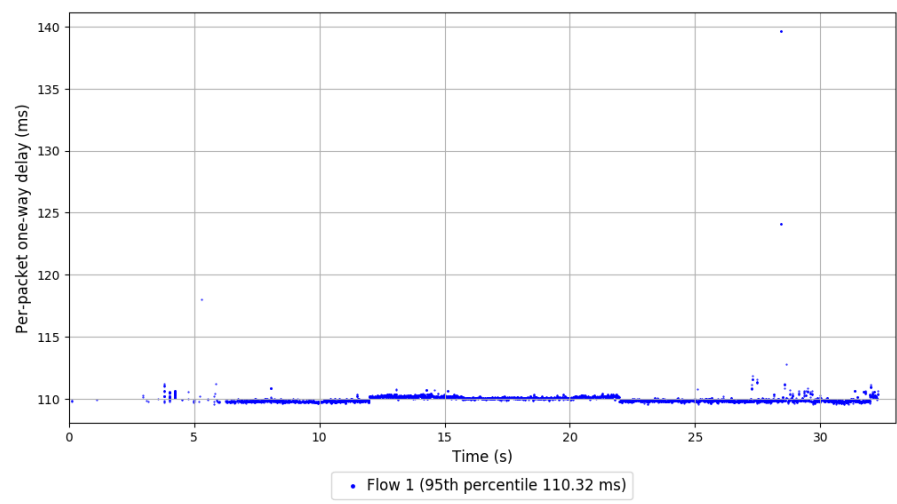
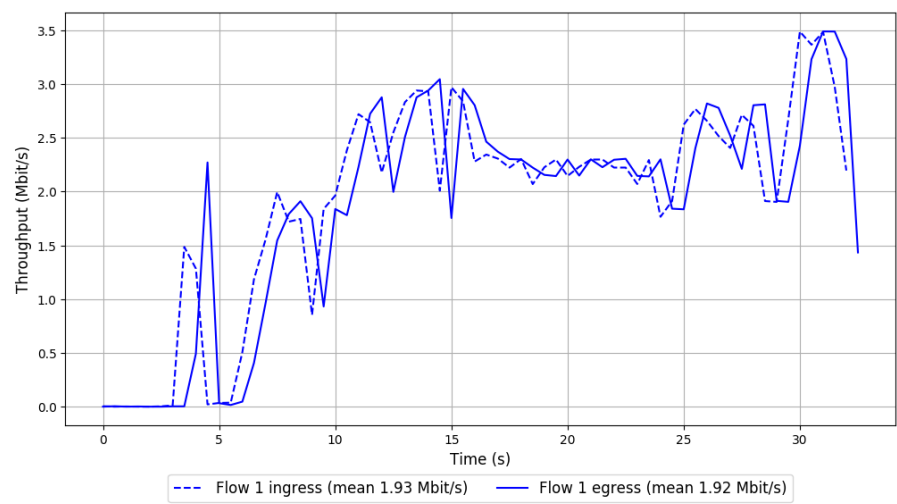
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 110.320 ms

Loss rate: 1.02%

Run 7: Report of WebRTC media — Data Link

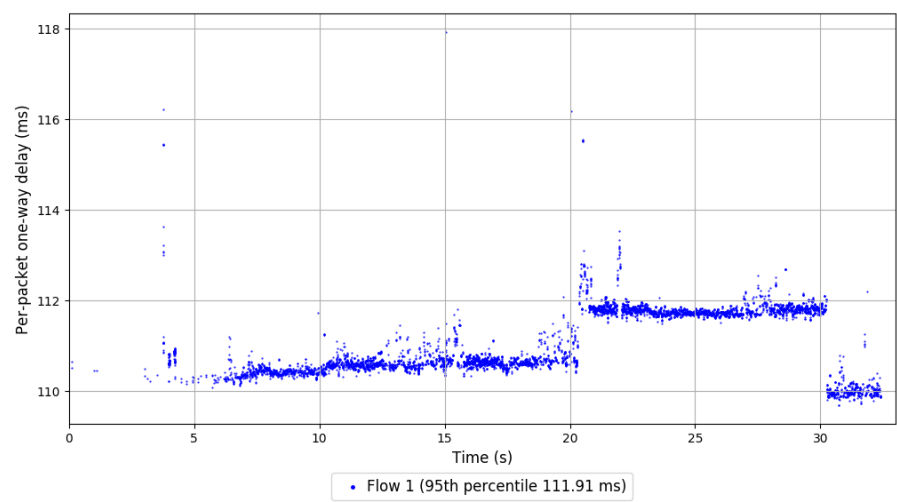
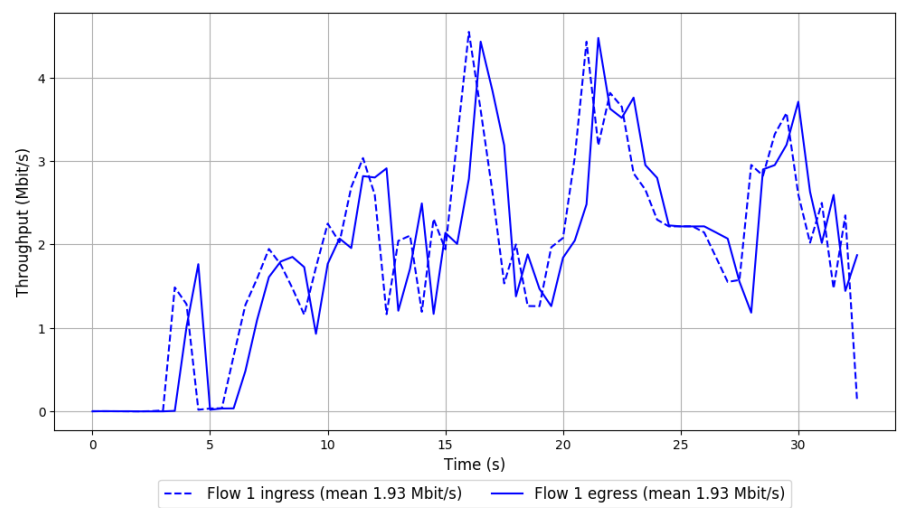


Run 8: Statistics of WebRTC media

Start at: 2018-08-10 13:04:55
End at: 2018-08-10 13:05:25
Local clock offset: -0.314 ms
Remote clock offset: -0.599 ms

Below is generated by plot.py at 2018-08-10 15:48:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 111.910 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 111.910 ms
Loss rate: 0.89%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-10 13:28:12

End at: 2018-08-10 13:28:42

Local clock offset: 1.281 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-08-10 15:48:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 113.267 ms

Loss rate: 0.87%

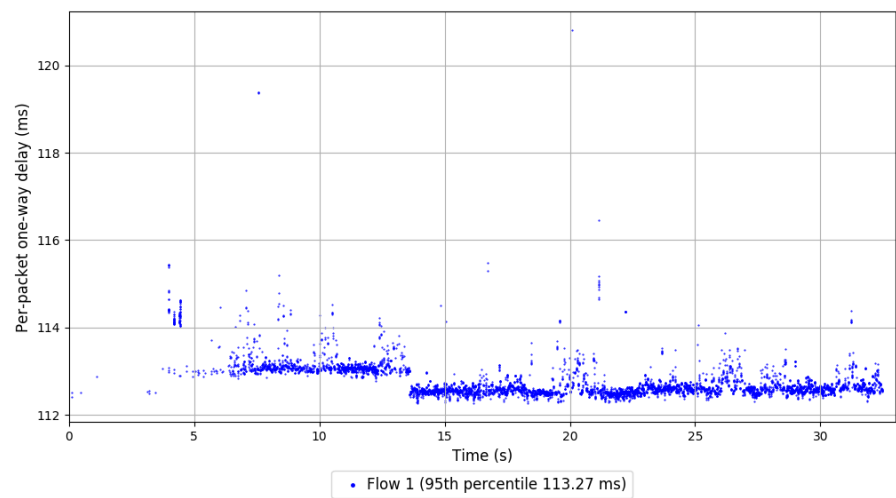
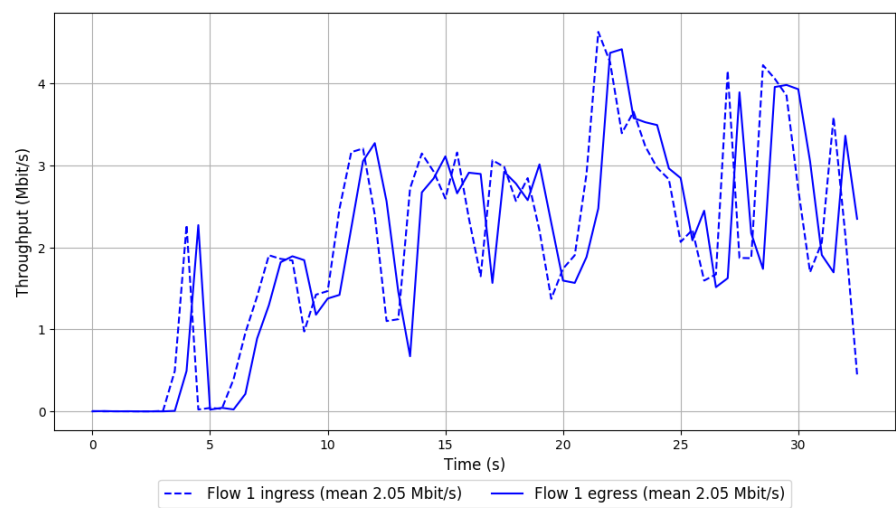
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 113.267 ms

Loss rate: 0.87%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-10 13:51:23

End at: 2018-08-10 13:51:53

Local clock offset: 0.135 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-08-10 15:48:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 112.238 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 112.238 ms

Loss rate: 0.40%

Run 10: Report of WebRTC media — Data Link

