

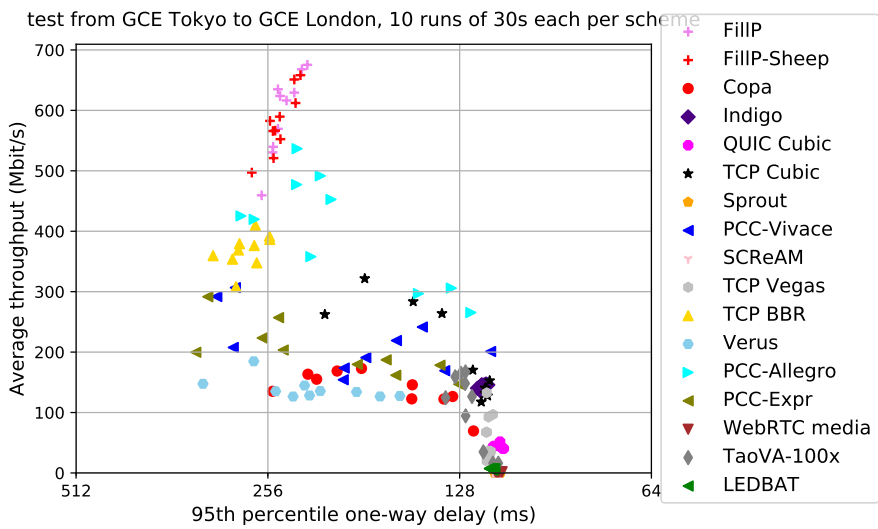
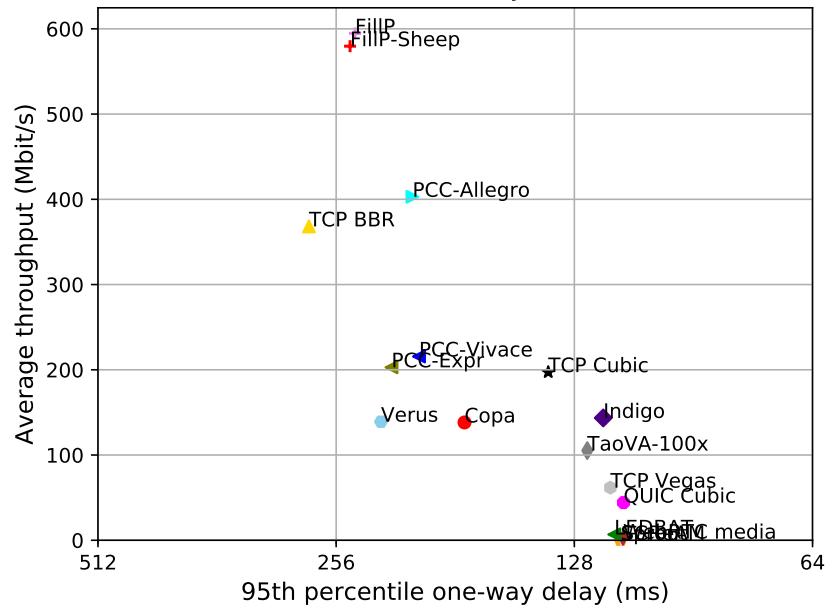
Pantheon Report

Generated at 2018-08-09 05:00:16 (UTC).
Data path: GCE Tokyo Ethernet (*local*) → GCE London Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



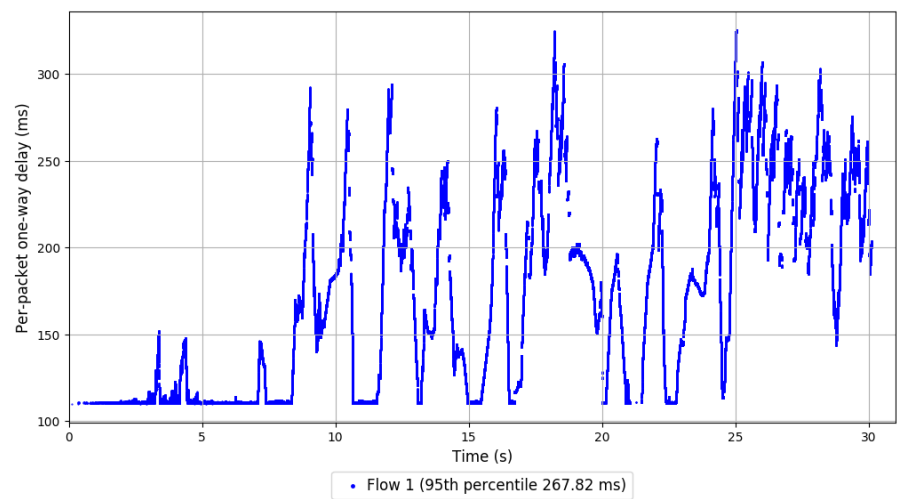
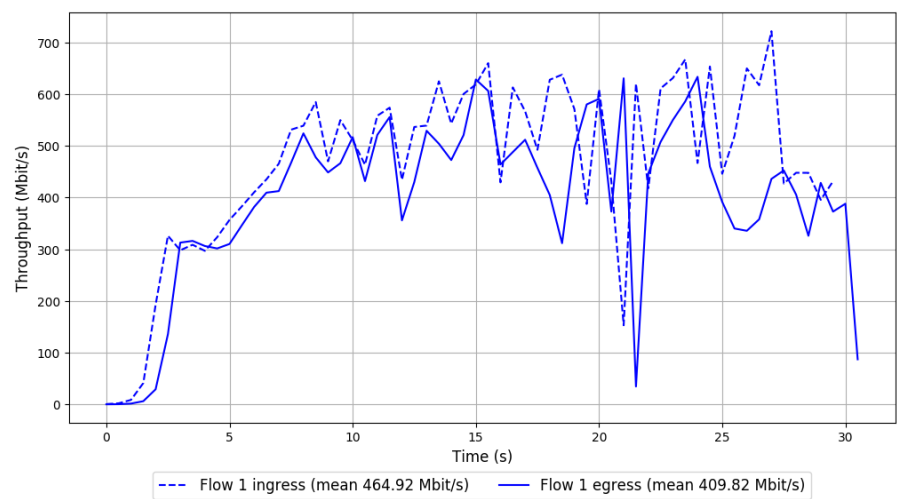
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	368.22	277.06	10.58
Copa	10	138.21	176.21	0.40
TCP Cubic	10	197.23	138.11	0.08
FillP	10	594.69	242.36	16.20
FillP-Sheep	10	579.64	245.86	20.73
Indigo	10	143.52	117.68	0.00
LEDBAT	10	6.83	113.97	0.00
PCC-Allegro	10	402.91	205.02	4.67
PCC-Expr	10	202.90	217.96	2.71
QUIC Cubic	7	44.17	110.94	0.00
SCReAM	10	0.21	111.65	0.00
Sprout	10	0.21	111.91	0.00
TaoVA-100x	10	105.20	123.28	0.00
TCP Vegas	10	61.73	115.26	0.01
Verus	10	139.06	224.71	3.71
PCC-Vivace	10	215.60	201.19	1.40
WebRTC media	10	1.86	111.11	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 00:02:13
End at: 2018-08-09 00:02:43
Local clock offset: 18.093 ms
Remote clock offset: 17.346 ms

Below is generated by plot.py at 2018-08-09 03:47:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 409.82 Mbit/s
95th percentile per-packet one-way delay: 267.819 ms
Loss rate: 11.85%
-- Flow 1:
Average throughput: 409.82 Mbit/s
95th percentile per-packet one-way delay: 267.819 ms
Loss rate: 11.85%

Run 1: Report of TCP BBR — Data Link

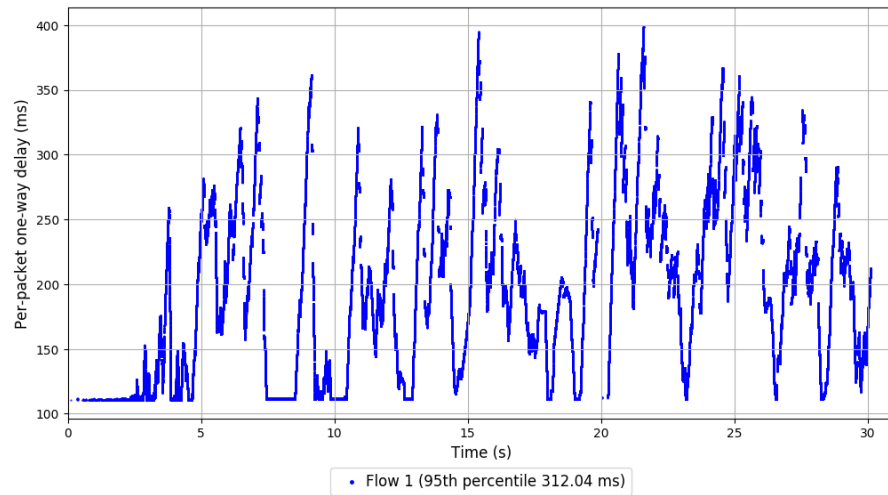
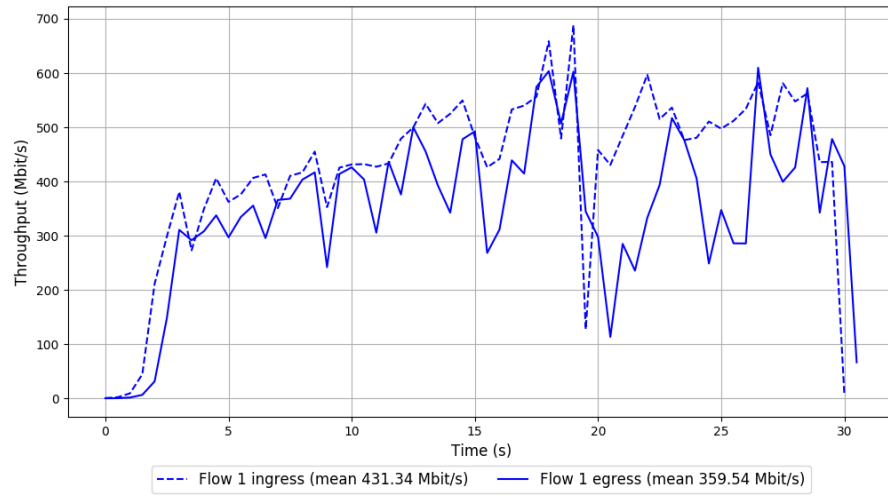


Run 2: Statistics of TCP BBR

Start at: 2018-08-09 00:24:45
End at: 2018-08-09 00:25:15
Local clock offset: 19.599 ms
Remote clock offset: 20.121 ms

Below is generated by plot.py at 2018-08-09 03:47:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 359.54 Mbit/s
95th percentile per-packet one-way delay: 312.035 ms
Loss rate: 16.64%
-- Flow 1:
Average throughput: 359.54 Mbit/s
95th percentile per-packet one-way delay: 312.035 ms
Loss rate: 16.64%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-09 00:46:58

End at: 2018-08-09 00:47:28

Local clock offset: 33.426 ms

Remote clock offset: 33.55 ms

Below is generated by plot.py at 2018-08-09 03:47:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.27 Mbit/s

95th percentile per-packet one-way delay: 287.218 ms

Loss rate: 10.02%

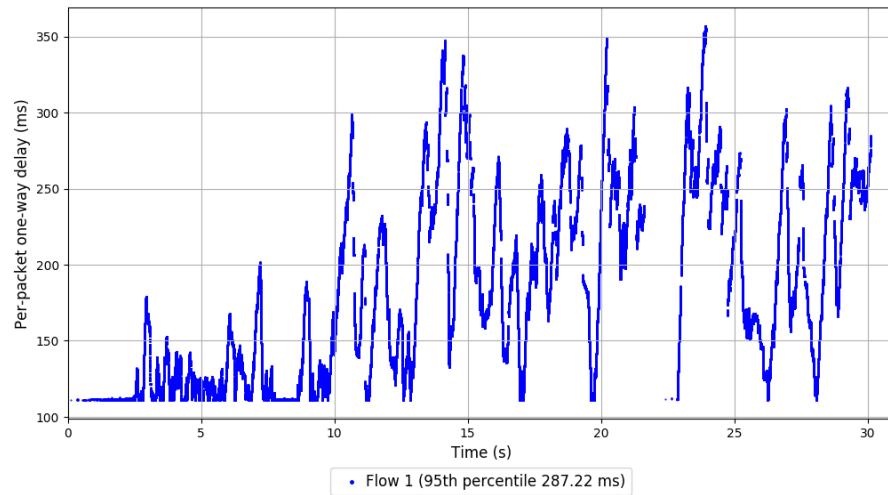
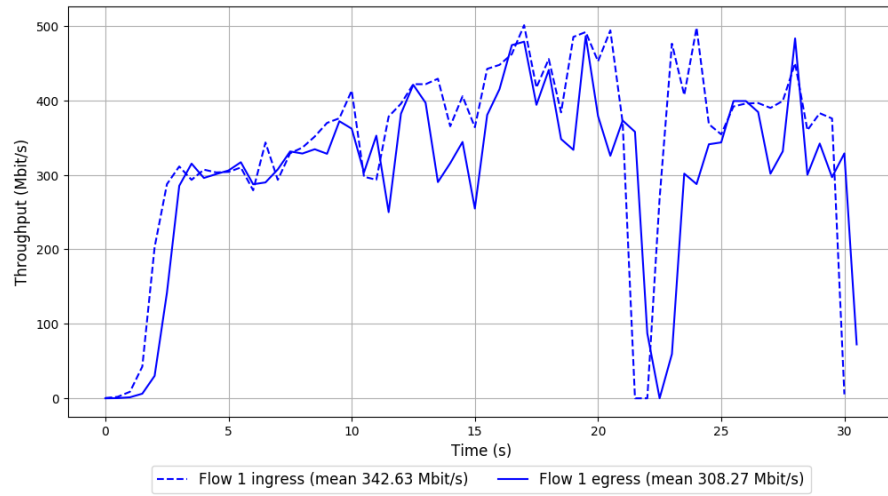
-- Flow 1:

Average throughput: 308.27 Mbit/s

95th percentile per-packet one-way delay: 287.218 ms

Loss rate: 10.02%

Run 3: Report of TCP BBR — Data Link

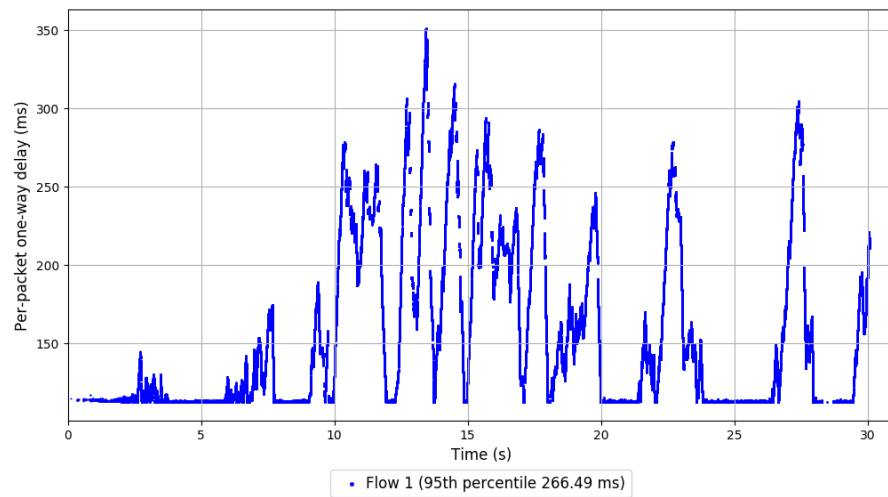
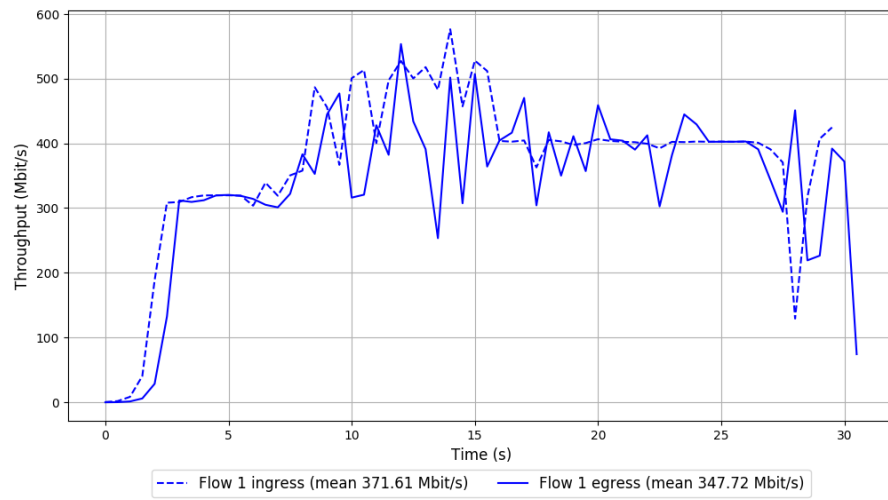


Run 4: Statistics of TCP BBR

Start at: 2018-08-09 01:09:01
End at: 2018-08-09 01:09:31
Local clock offset: 14.275 ms
Remote clock offset: 15.795 ms

Below is generated by plot.py at 2018-08-09 03:47:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.72 Mbit/s
95th percentile per-packet one-way delay: 266.488 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 347.72 Mbit/s
95th percentile per-packet one-way delay: 266.488 ms
Loss rate: 6.43%

Run 4: Report of TCP BBR — Data Link

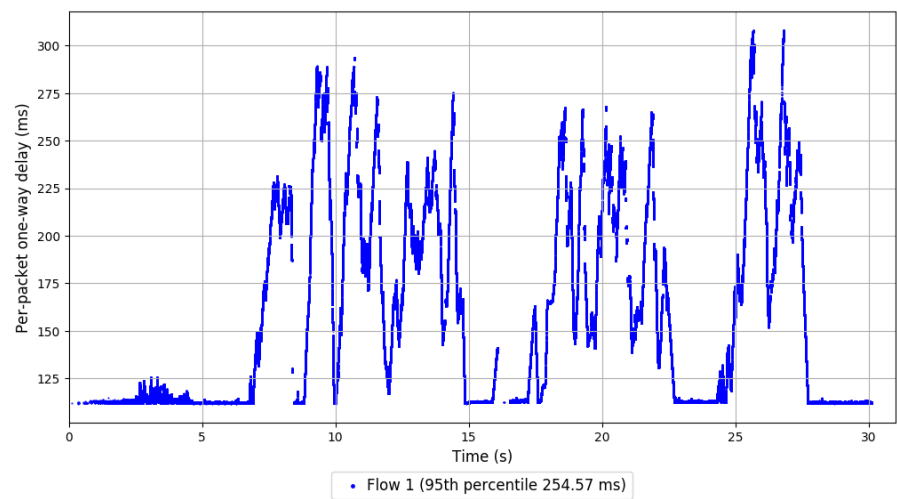
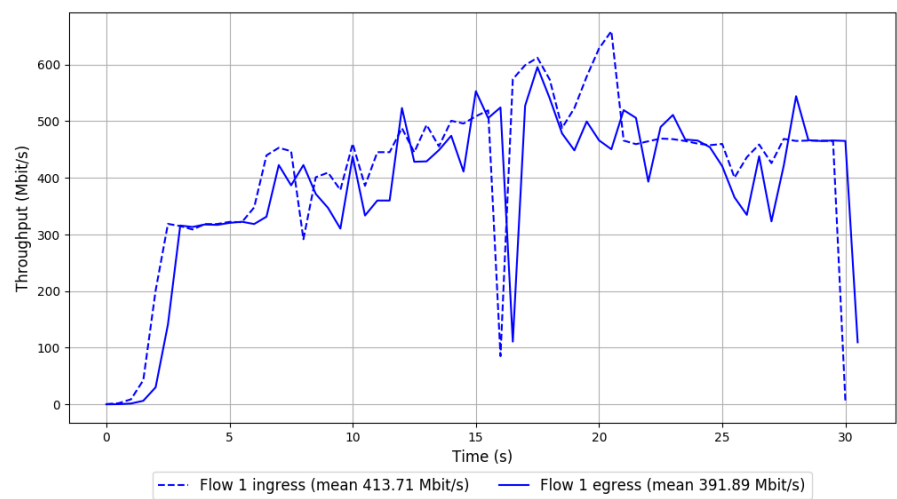


Run 5: Statistics of TCP BBR

Start at: 2018-08-09 01:31:18
End at: 2018-08-09 01:31:48
Local clock offset: 13.071 ms
Remote clock offset: 14.337 ms

Below is generated by plot.py at 2018-08-09 03:47:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 391.89 Mbit/s
95th percentile per-packet one-way delay: 254.568 ms
Loss rate: 5.28%
-- Flow 1:
Average throughput: 391.89 Mbit/s
95th percentile per-packet one-way delay: 254.568 ms
Loss rate: 5.28%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-09 01:53:44

End at: 2018-08-09 01:54:14

Local clock offset: 8.112 ms

Remote clock offset: 8.503 ms

Below is generated by plot.py at 2018-08-09 03:47:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.79 Mbit/s

95th percentile per-packet one-way delay: 290.937 ms

Loss rate: 14.96%

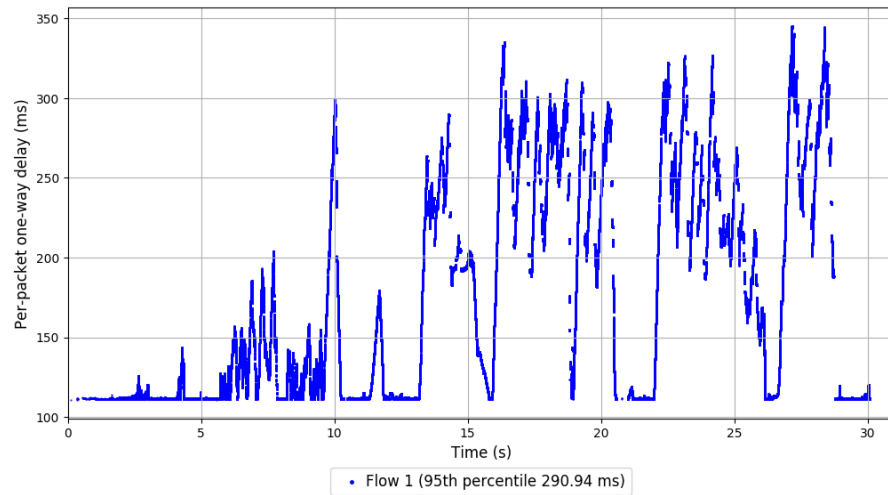
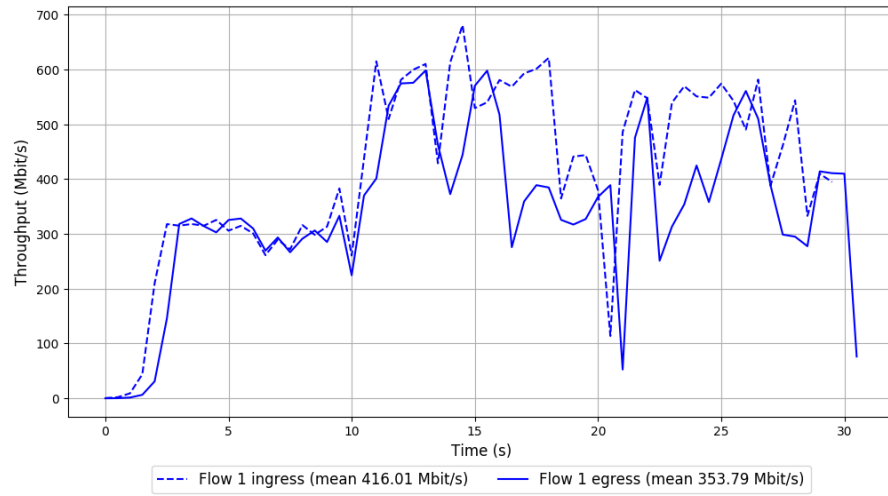
-- Flow 1:

Average throughput: 353.79 Mbit/s

95th percentile per-packet one-way delay: 290.937 ms

Loss rate: 14.96%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-09 02:15:58

End at: 2018-08-09 02:16:28

Local clock offset: 2.609 ms

Remote clock offset: 2.718 ms

Below is generated by plot.py at 2018-08-09 03:47:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.99 Mbit/s

95th percentile per-packet one-way delay: 284.727 ms

Loss rate: 12.60%

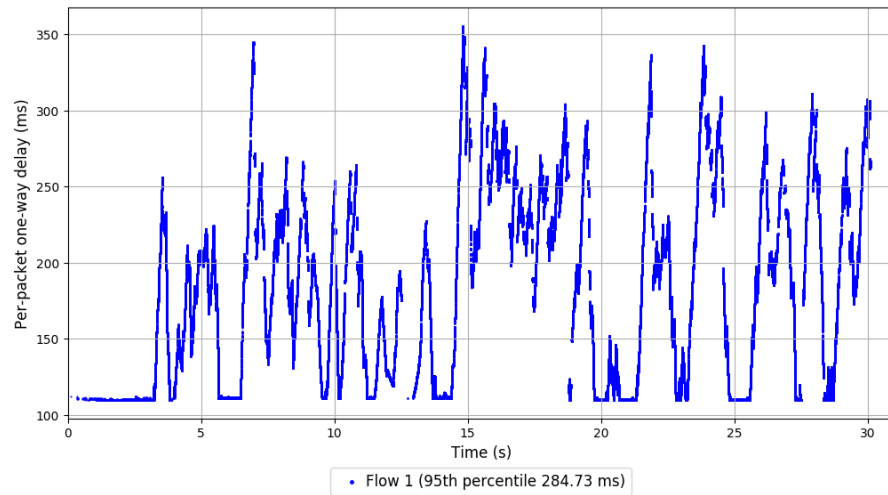
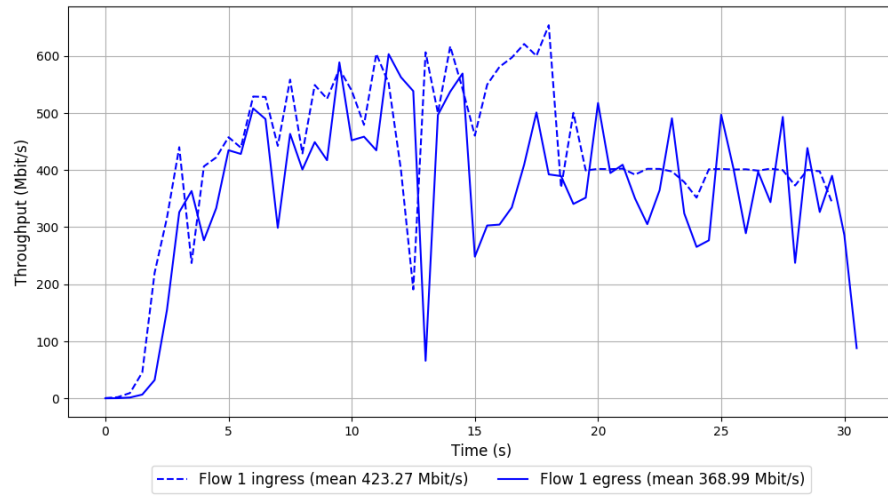
-- Flow 1:

Average throughput: 368.99 Mbit/s

95th percentile per-packet one-way delay: 284.727 ms

Loss rate: 12.60%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-09 02:38:20

End at: 2018-08-09 02:38:50

Local clock offset: 3.096 ms

Remote clock offset: 2.02 ms

Below is generated by plot.py at 2018-08-09 03:47:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.45 Mbit/s

95th percentile per-packet one-way delay: 254.244 ms

Loss rate: 6.67%

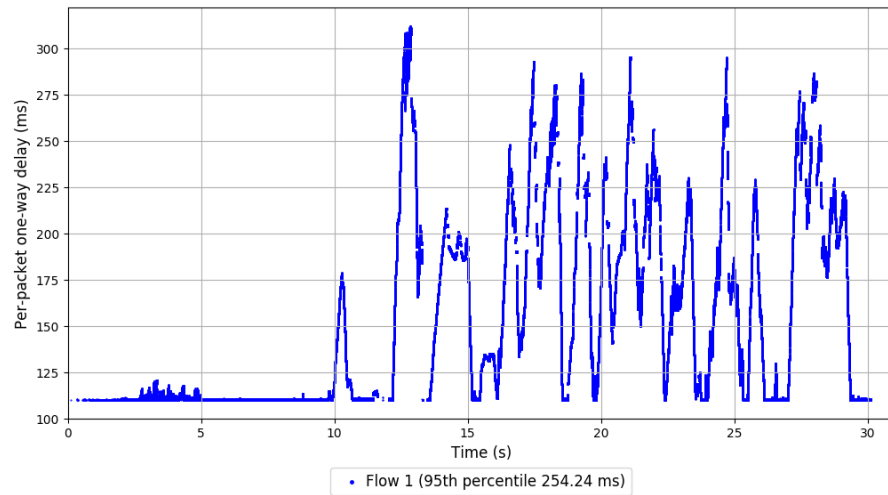
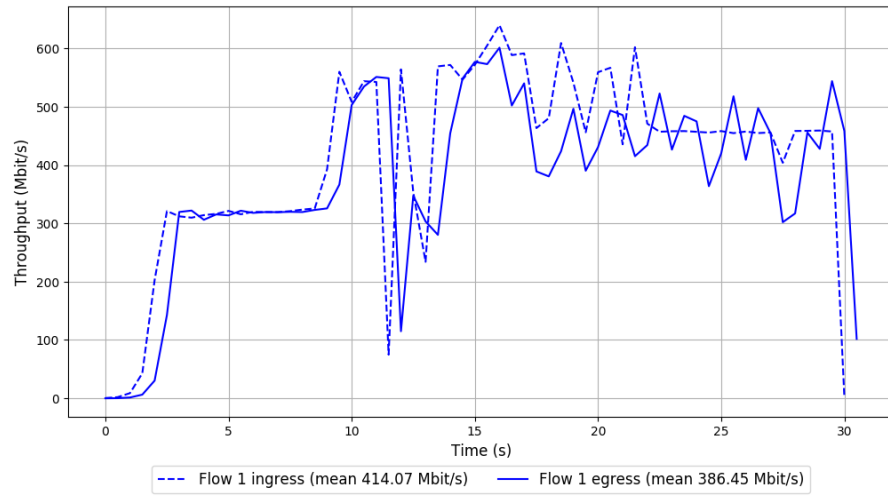
-- Flow 1:

Average throughput: 386.45 Mbit/s

95th percentile per-packet one-way delay: 254.244 ms

Loss rate: 6.67%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-09 03:00:48

End at: 2018-08-09 03:01:18

Local clock offset: 0.765 ms

Remote clock offset: 0.577 ms

Below is generated by plot.py at 2018-08-09 03:52:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.35 Mbit/s

95th percentile per-packet one-way delay: 268.873 ms

Loss rate: 7.71%

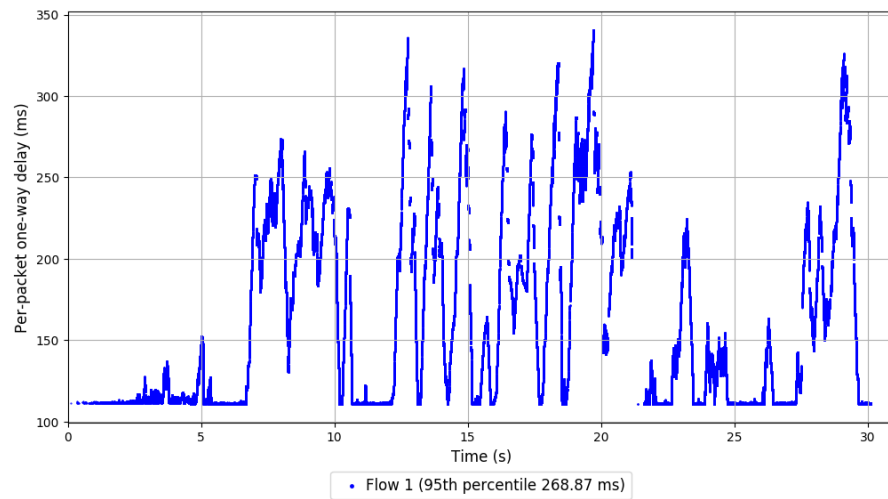
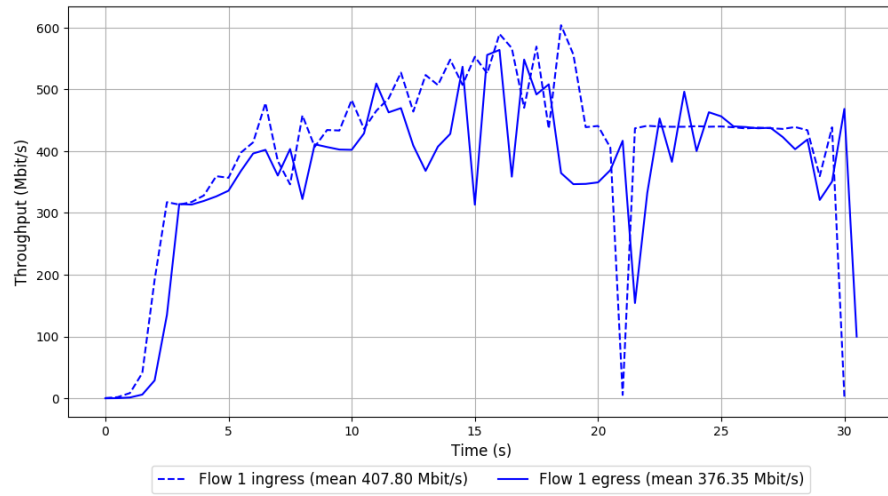
-- Flow 1:

Average throughput: 376.35 Mbit/s

95th percentile per-packet one-way delay: 268.873 ms

Loss rate: 7.71%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-09 03:22:54

End at: 2018-08-09 03:23:24

Local clock offset: 0.362 ms

Remote clock offset: 0.864 ms

Below is generated by plot.py at 2018-08-09 03:52:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.42 Mbit/s

95th percentile per-packet one-way delay: 283.675 ms

Loss rate: 13.67%

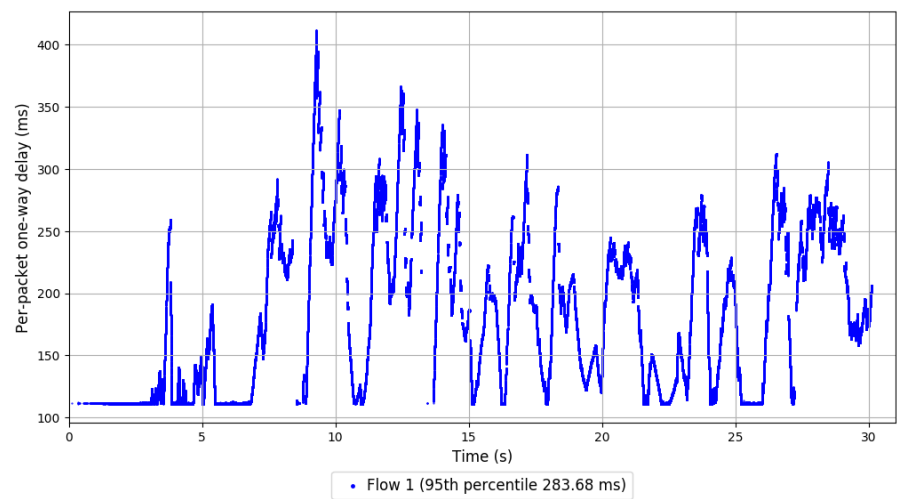
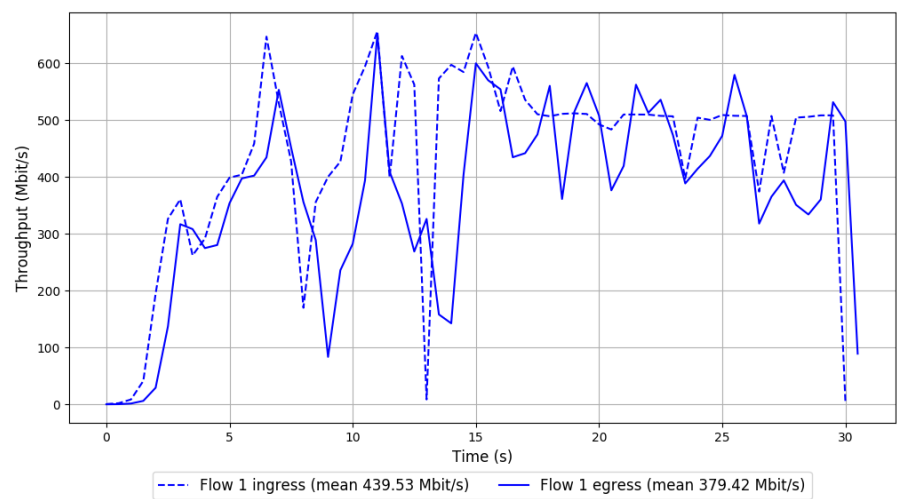
-- Flow 1:

Average throughput: 379.42 Mbit/s

95th percentile per-packet one-way delay: 283.675 ms

Loss rate: 13.67%

Run 10: Report of TCP BBR — Data Link

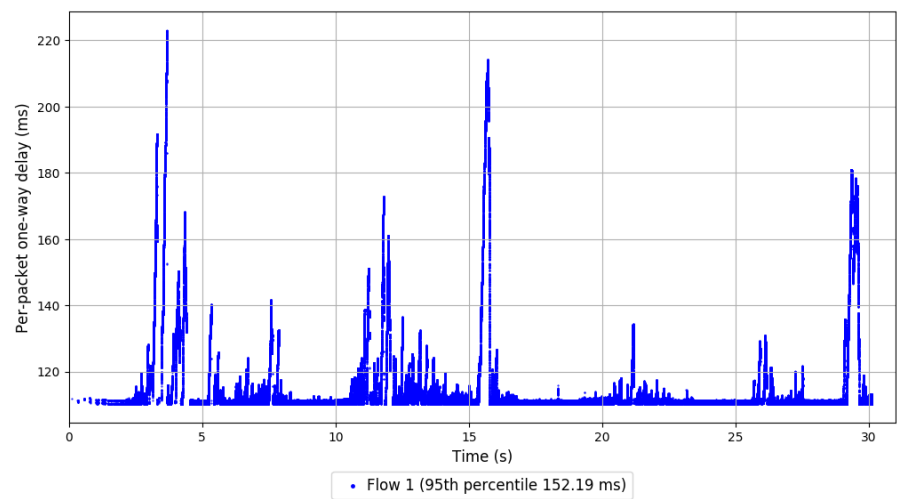
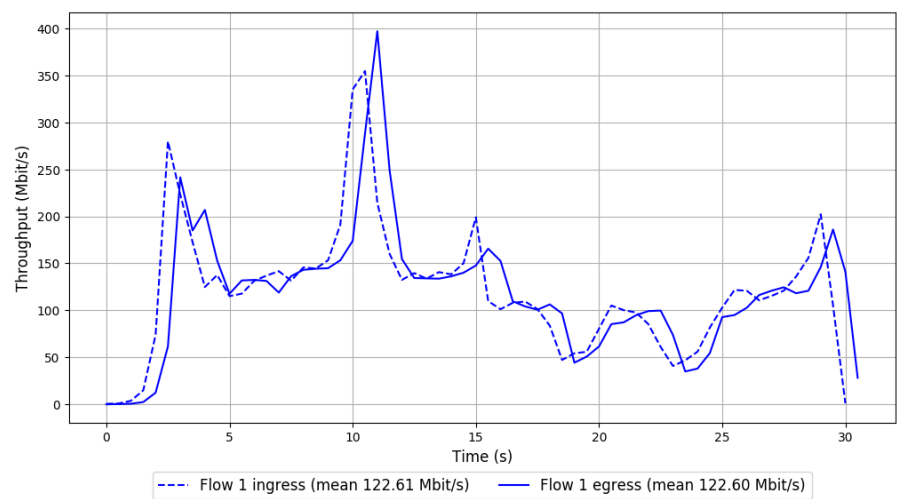


Run 1: Statistics of Copa

Start at: 2018-08-09 00:10:35
End at: 2018-08-09 00:11:05
Local clock offset: 15.648 ms
Remote clock offset: 15.936 ms

Below is generated by plot.py at 2018-08-09 03:52:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.60 Mbit/s
95th percentile per-packet one-way delay: 152.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.60 Mbit/s
95th percentile per-packet one-way delay: 152.194 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

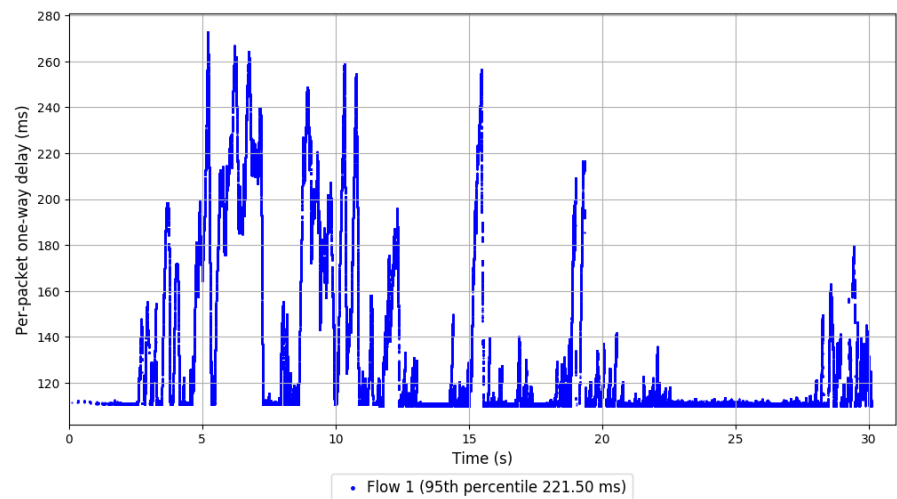
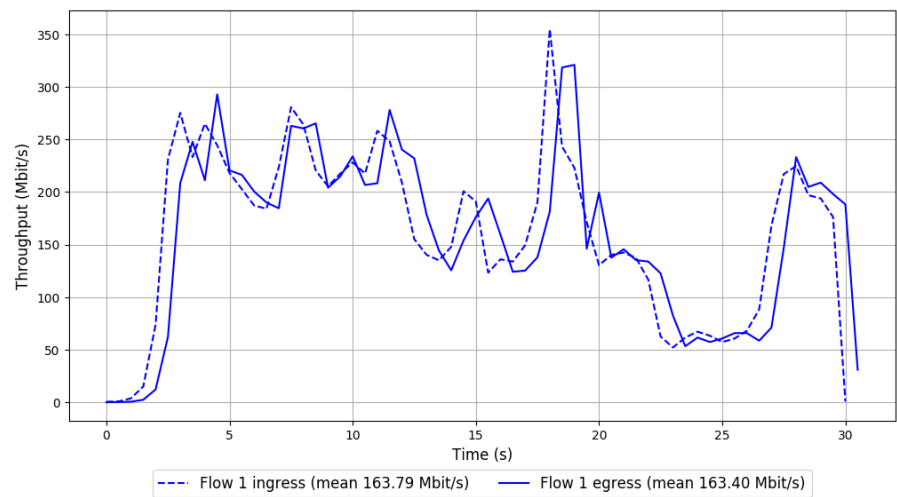


Run 2: Statistics of Copa

Start at: 2018-08-09 00:32:41
End at: 2018-08-09 00:33:11
Local clock offset: 21.414 ms
Remote clock offset: 21.345 ms

Below is generated by plot.py at 2018-08-09 03:52:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.40 Mbit/s
95th percentile per-packet one-way delay: 221.505 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 163.40 Mbit/s
95th percentile per-packet one-way delay: 221.505 ms
Loss rate: 0.24%

Run 2: Report of Copa — Data Link

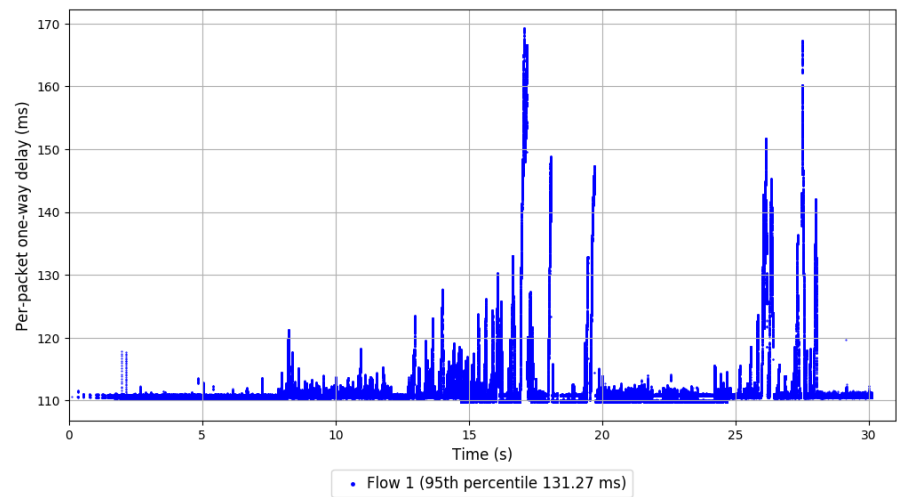
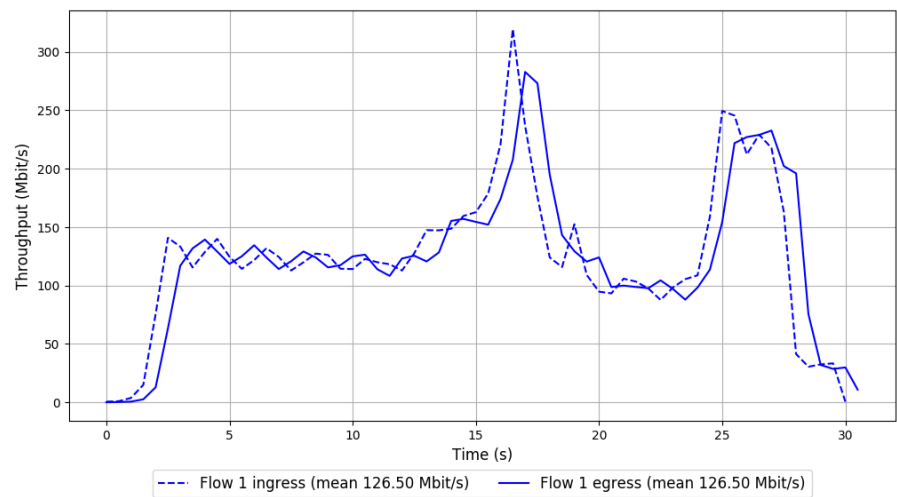


Run 3: Statistics of Copa

Start at: 2018-08-09 00:55:00
End at: 2018-08-09 00:55:30
Local clock offset: 33.204 ms
Remote clock offset: 33.638 ms

Below is generated by plot.py at 2018-08-09 03:52:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.50 Mbit/s
95th percentile per-packet one-way delay: 131.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.50 Mbit/s
95th percentile per-packet one-way delay: 131.274 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

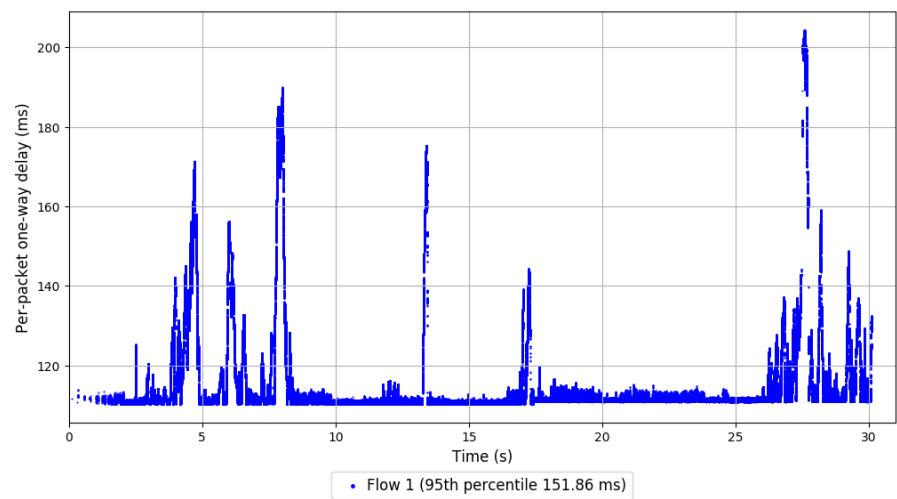
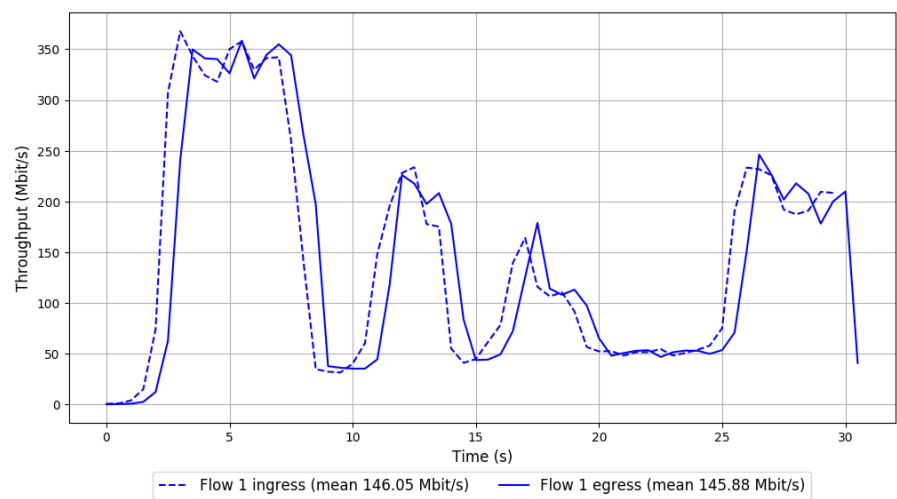


Run 4: Statistics of Copa

Start at: 2018-08-09 01:16:56
End at: 2018-08-09 01:17:26
Local clock offset: 15.995 ms
Remote clock offset: 16.109 ms

Below is generated by plot.py at 2018-08-09 03:52:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.88 Mbit/s
95th percentile per-packet one-way delay: 151.860 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 145.88 Mbit/s
95th percentile per-packet one-way delay: 151.860 ms
Loss rate: 0.12%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-09 01:39:33

End at: 2018-08-09 01:40:04

Local clock offset: 8.22 ms

Remote clock offset: 8.369 ms

Below is generated by plot.py at 2018-08-09 03:52:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.68 Mbit/s

95th percentile per-packet one-way delay: 199.313 ms

Loss rate: 0.90%

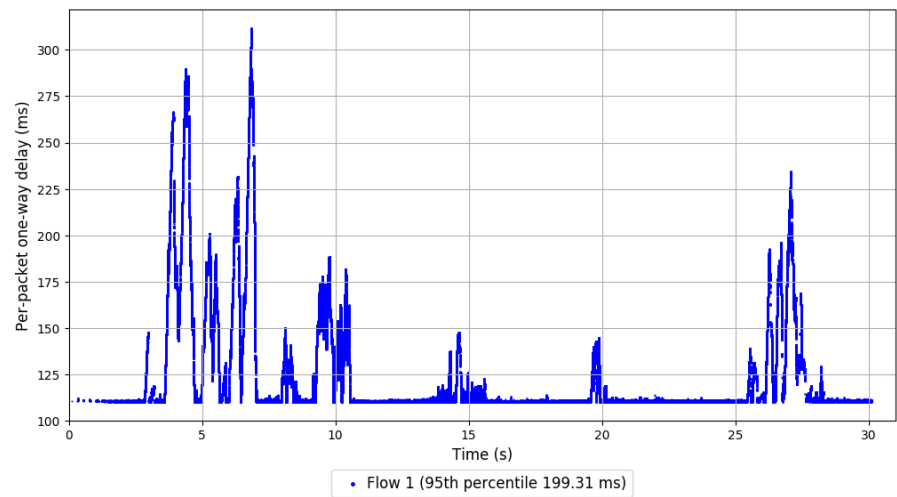
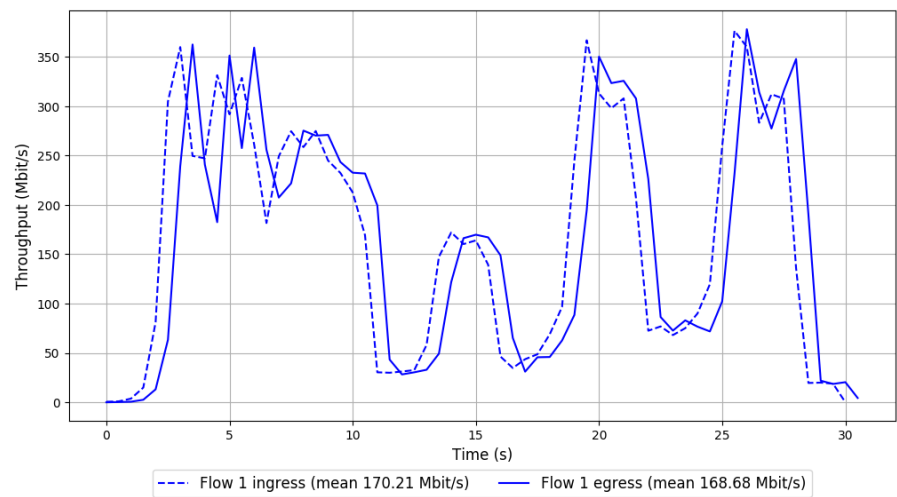
-- Flow 1:

Average throughput: 168.68 Mbit/s

95th percentile per-packet one-way delay: 199.313 ms

Loss rate: 0.90%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-09 02:01:50

End at: 2018-08-09 02:02:20

Local clock offset: 8.263 ms

Remote clock offset: 9.647 ms

Below is generated by plot.py at 2018-08-09 03:52:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.99 Mbit/s

95th percentile per-packet one-way delay: 182.499 ms

Loss rate: 0.47%

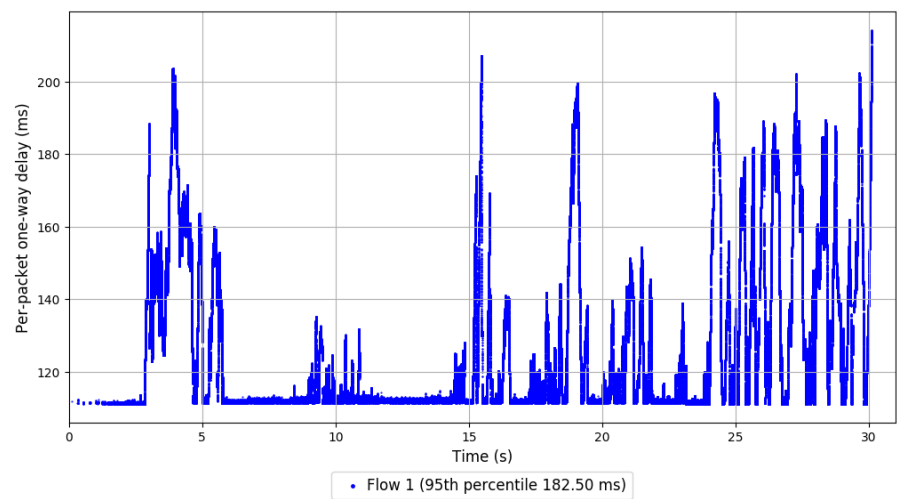
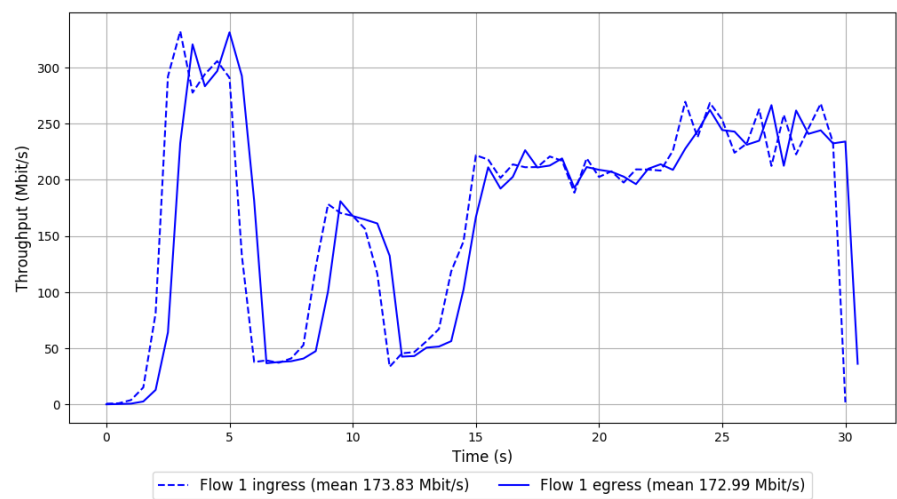
-- Flow 1:

Average throughput: 172.99 Mbit/s

95th percentile per-packet one-way delay: 182.499 ms

Loss rate: 0.47%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-09 02:23:57

End at: 2018-08-09 02:24:27

Local clock offset: 2.086 ms

Remote clock offset: 2.102 ms

Below is generated by plot.py at 2018-08-09 03:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.09 Mbit/s

95th percentile per-packet one-way delay: 251.654 ms

Loss rate: 1.67%

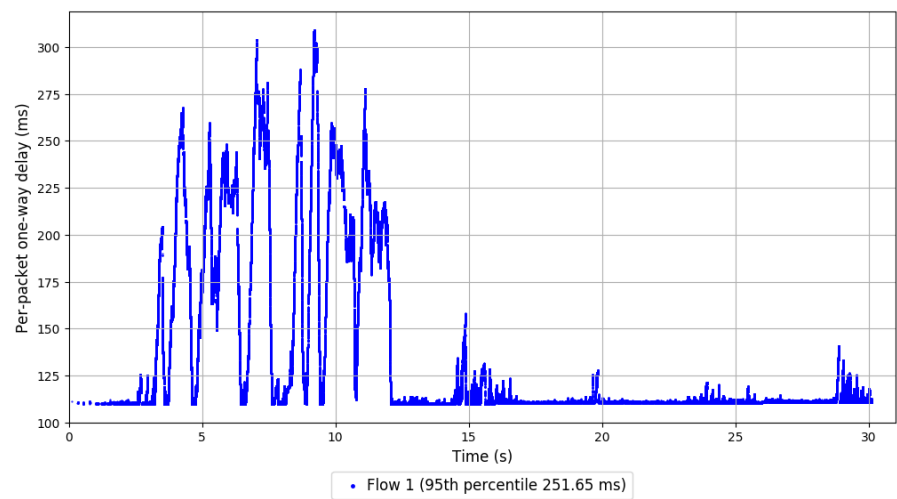
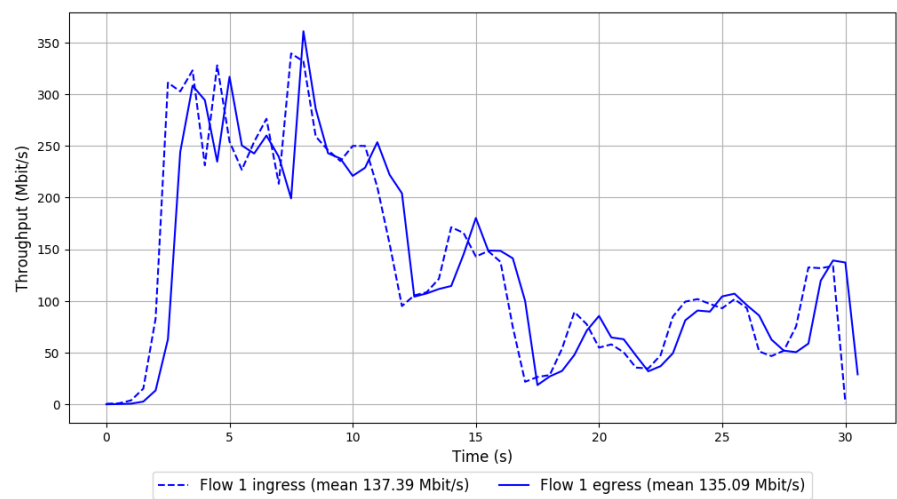
-- Flow 1:

Average throughput: 135.09 Mbit/s

95th percentile per-packet one-way delay: 251.654 ms

Loss rate: 1.67%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-09 02:46:40

End at: 2018-08-09 02:47:10

Local clock offset: 0.829 ms

Remote clock offset: 0.769 ms

Below is generated by plot.py at 2018-08-09 03:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.34 Mbit/s

95th percentile per-packet one-way delay: 135.490 ms

Loss rate: 0.00%

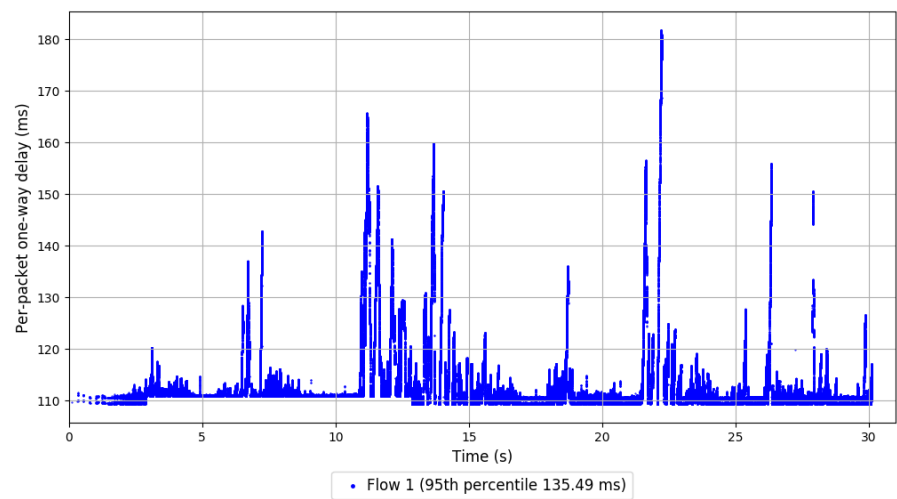
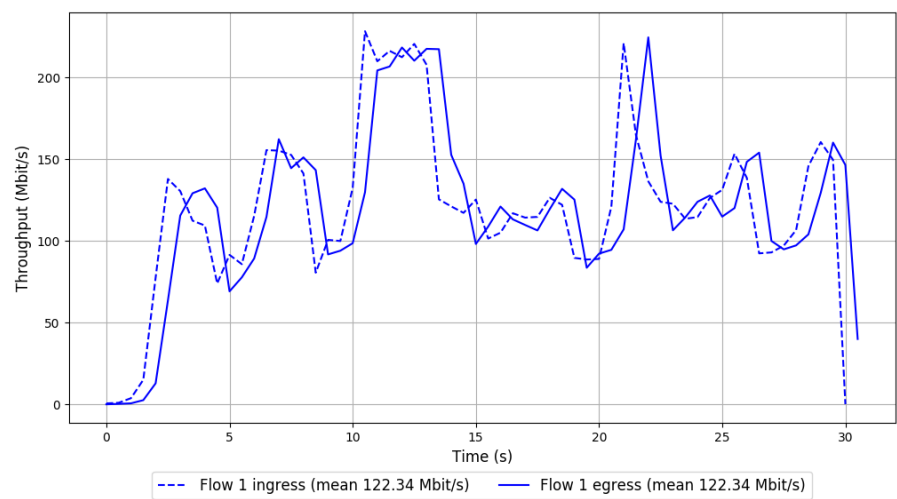
-- Flow 1:

Average throughput: 122.34 Mbit/s

95th percentile per-packet one-way delay: 135.490 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-09 03:08:53

End at: 2018-08-09 03:09:23

Local clock offset: -0.367 ms

Remote clock offset: 0.655 ms

Below is generated by plot.py at 2018-08-09 03:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.12 Mbit/s

95th percentile per-packet one-way delay: 214.616 ms

Loss rate: 0.63%

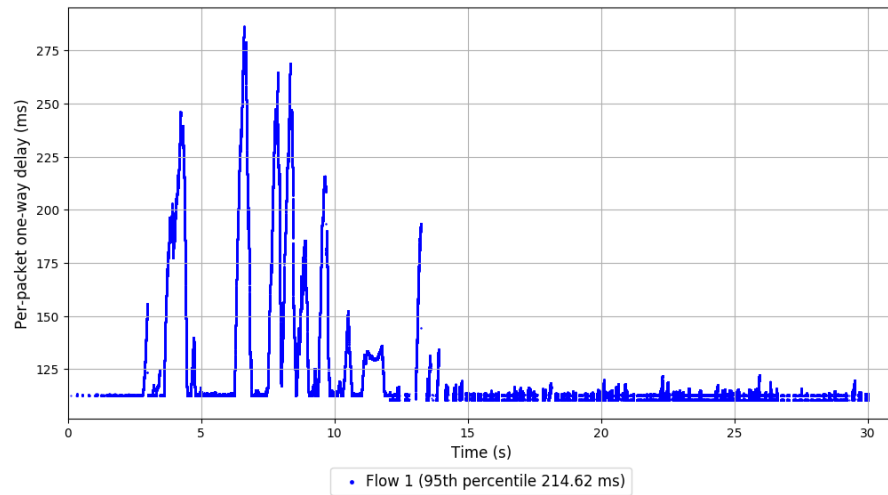
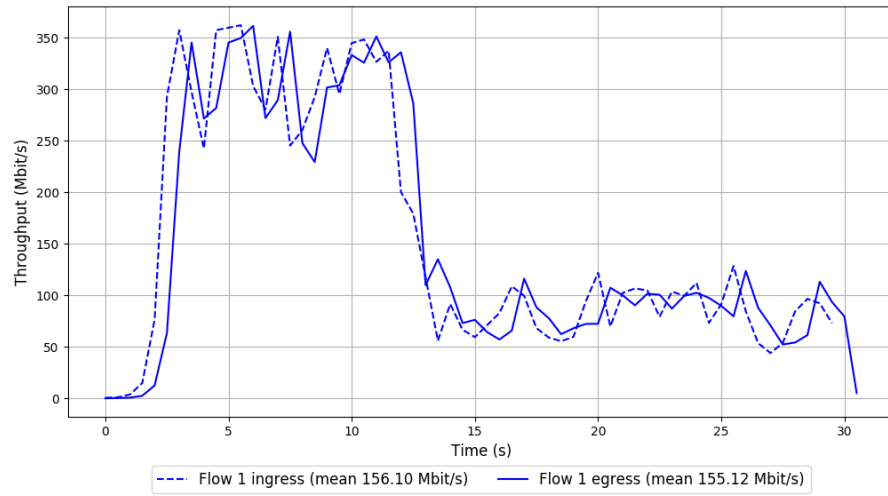
-- Flow 1:

Average throughput: 155.12 Mbit/s

95th percentile per-packet one-way delay: 214.616 ms

Loss rate: 0.63%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-09 03:31:01

End at: 2018-08-09 03:31:31

Local clock offset: 0.325 ms

Remote clock offset: 1.14 ms

Below is generated by plot.py at 2018-08-09 03:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.50 Mbit/s

95th percentile per-packet one-way delay: 121.741 ms

Loss rate: 0.00%

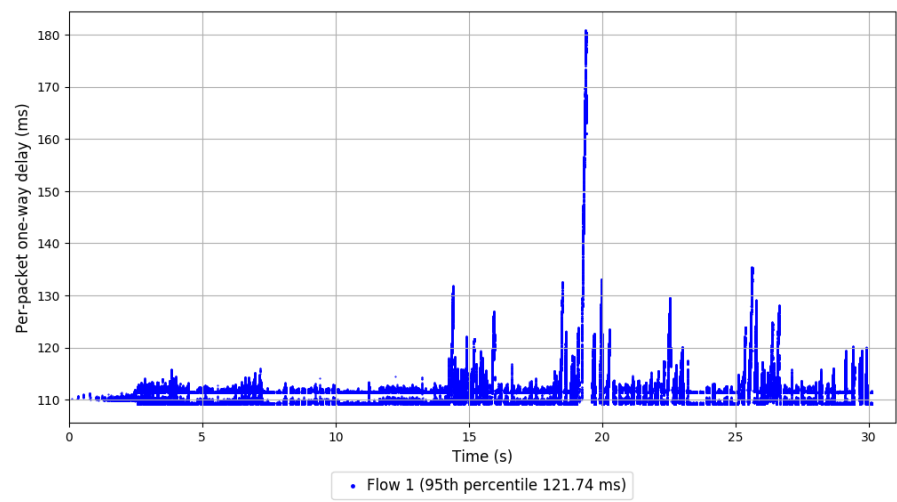
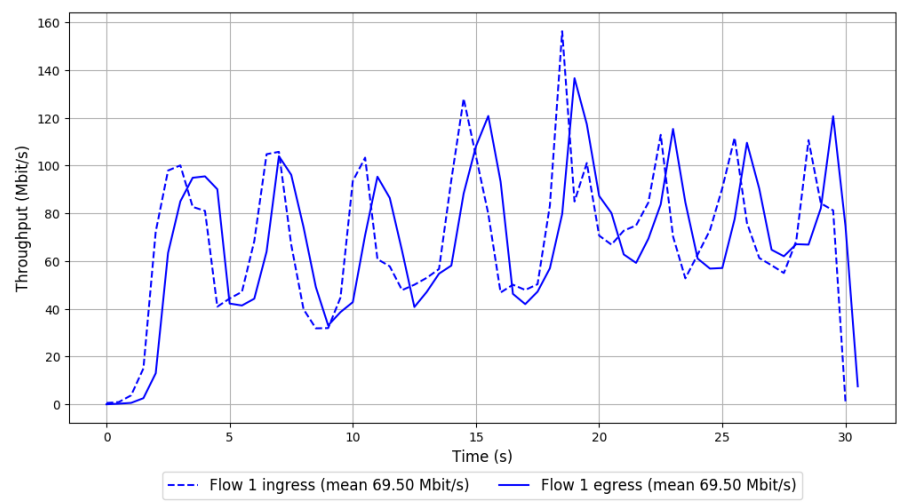
-- Flow 1:

Average throughput: 69.50 Mbit/s

95th percentile per-packet one-way delay: 121.741 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

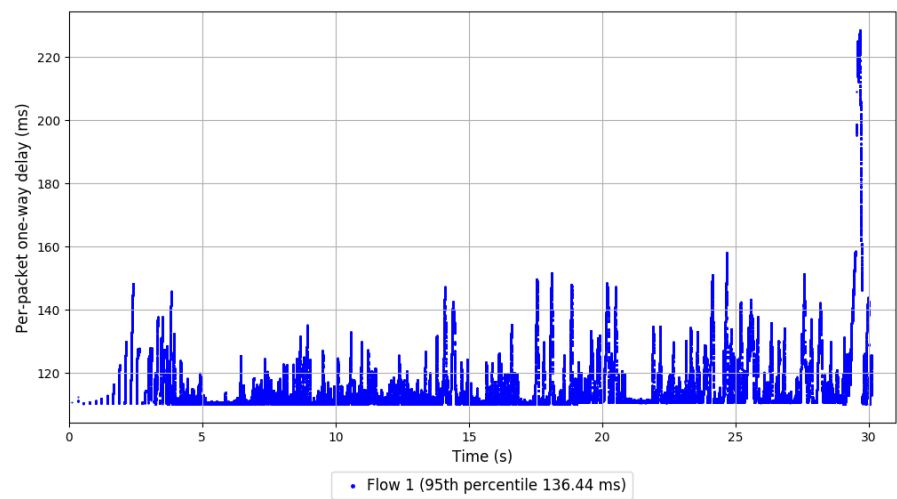
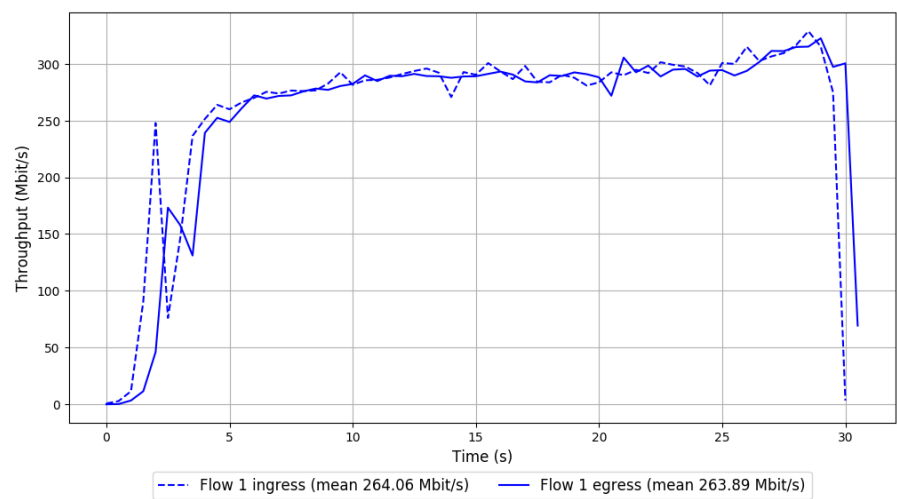


Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 00:09:14
End at: 2018-08-09 00:09:44
Local clock offset: 14.408 ms
Remote clock offset: 14.628 ms

Below is generated by plot.py at 2018-08-09 03:56:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.89 Mbit/s
95th percentile per-packet one-way delay: 136.442 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 263.89 Mbit/s
95th percentile per-packet one-way delay: 136.442 ms
Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link

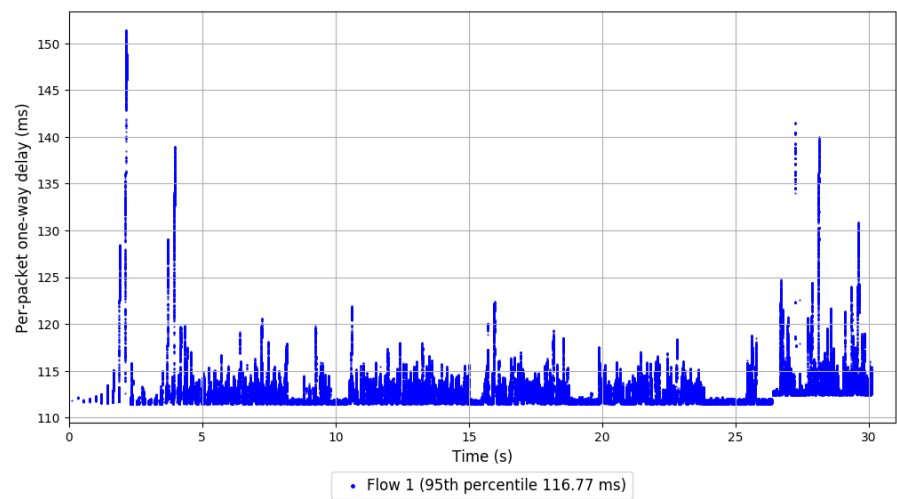
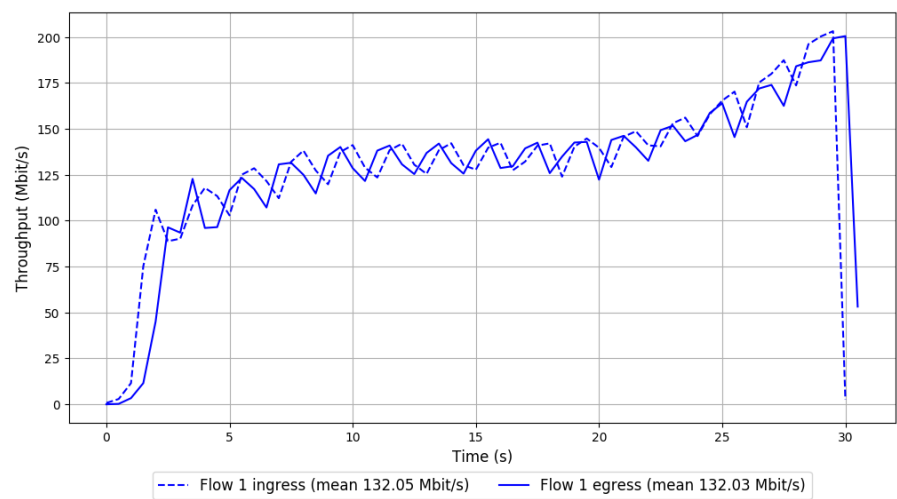


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 00:31:27
End at: 2018-08-09 00:31:57
Local clock offset: 19.627 ms
Remote clock offset: 21.179 ms

Below is generated by plot.py at 2018-08-09 03:56:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.03 Mbit/s
95th percentile per-packet one-way delay: 116.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.03 Mbit/s
95th percentile per-packet one-way delay: 116.765 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 00:53:39

End at: 2018-08-09 00:54:09

Local clock offset: 37.905 ms

Remote clock offset: 39.2 ms

Below is generated by plot.py at 2018-08-09 03:57:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.26 Mbit/s

95th percentile per-packet one-way delay: 208.347 ms

Loss rate: 0.55%

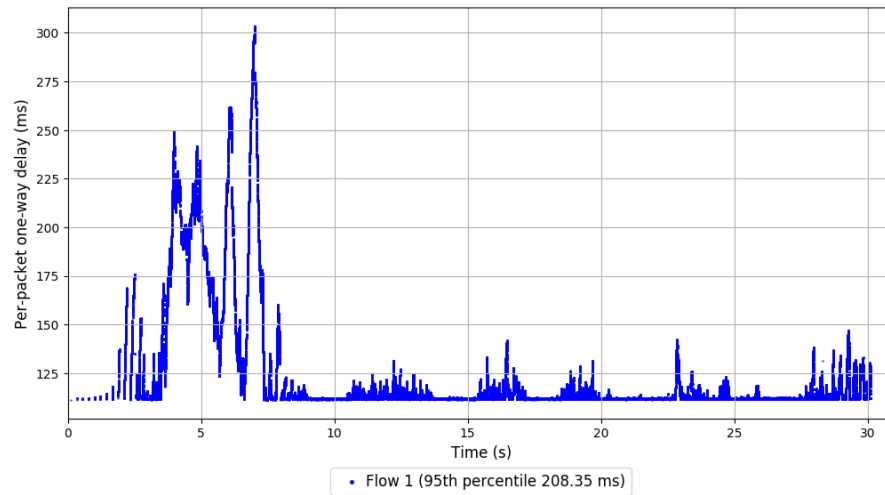
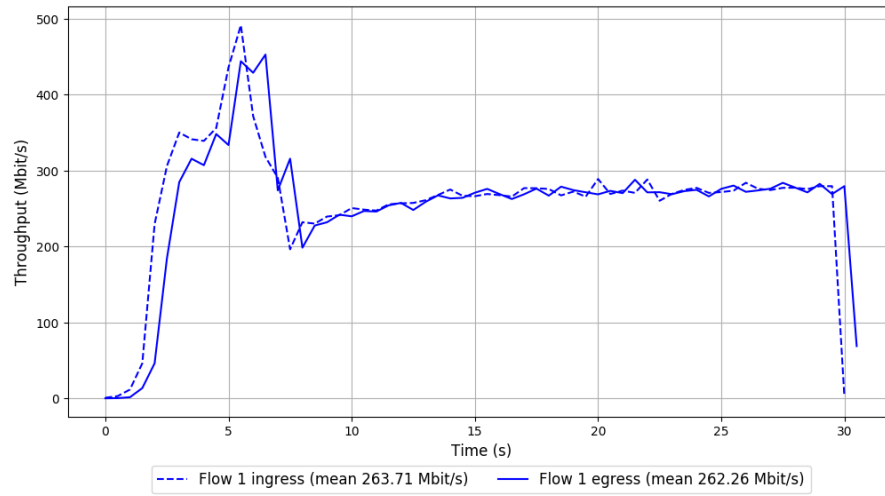
-- Flow 1:

Average throughput: 262.26 Mbit/s

95th percentile per-packet one-way delay: 208.347 ms

Loss rate: 0.55%

Run 3: Report of TCP Cubic — Data Link

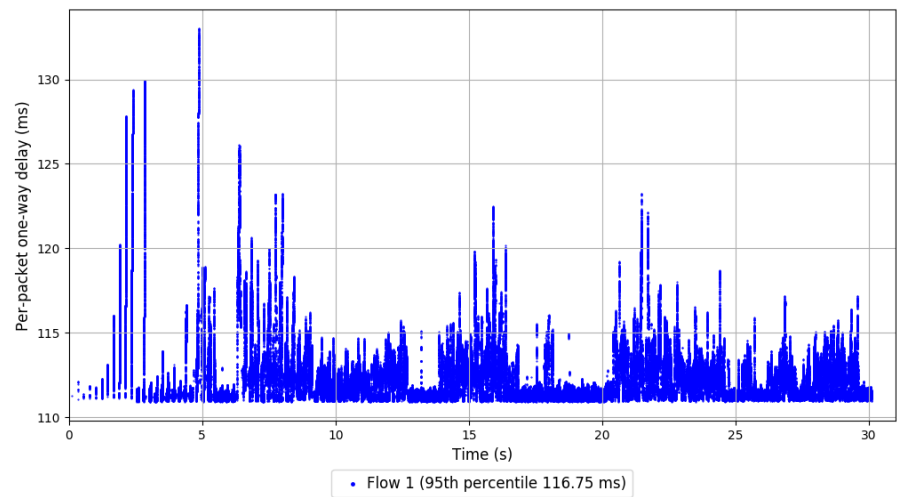
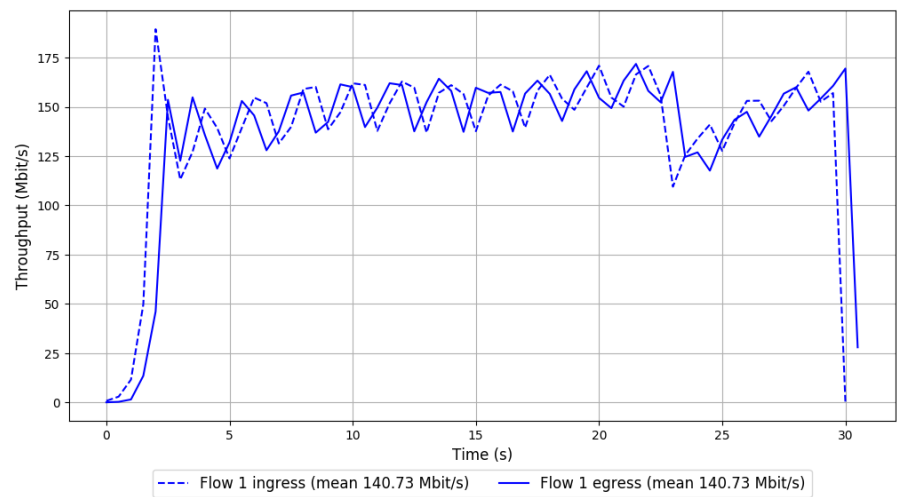


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 01:15:40
End at: 2018-08-09 01:16:10
Local clock offset: 15.757 ms
Remote clock offset: 15.884 ms

Below is generated by plot.py at 2018-08-09 03:57:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.73 Mbit/s
95th percentile per-packet one-way delay: 116.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.73 Mbit/s
95th percentile per-packet one-way delay: 116.747 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 01:38:09

End at: 2018-08-09 01:38:39

Local clock offset: 8.709 ms

Remote clock offset: 8.848 ms

Below is generated by plot.py at 2018-08-09 03:58:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.67 Mbit/s

95th percentile per-packet one-way delay: 180.361 ms

Loss rate: 0.22%

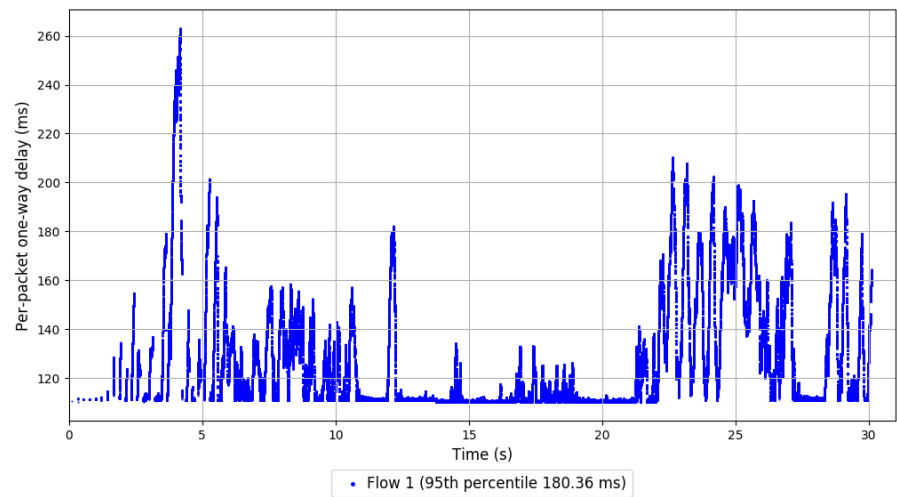
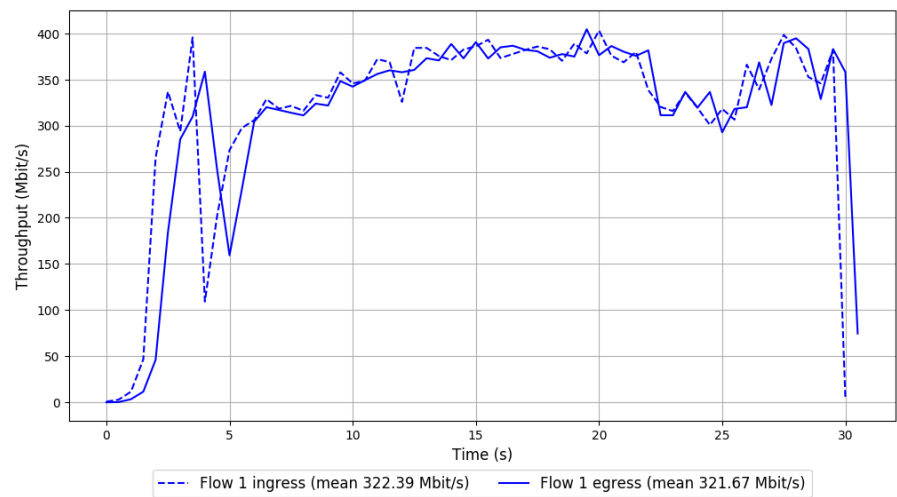
-- Flow 1:

Average throughput: 321.67 Mbit/s

95th percentile per-packet one-way delay: 180.361 ms

Loss rate: 0.22%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 02:00:35

End at: 2018-08-09 02:01:05

Local clock offset: 9.497 ms

Remote clock offset: 9.84 ms

Below is generated by plot.py at 2018-08-09 03:58:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.61 Mbit/s

95th percentile per-packet one-way delay: 115.707 ms

Loss rate: 0.00%

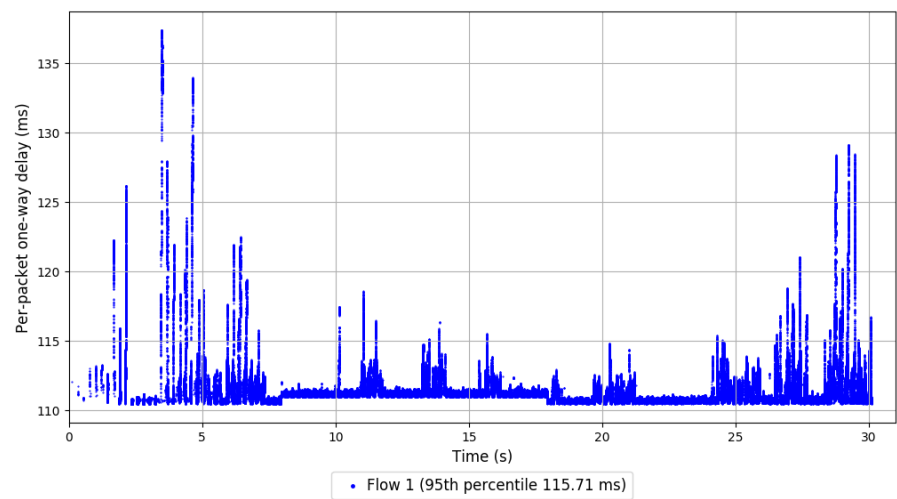
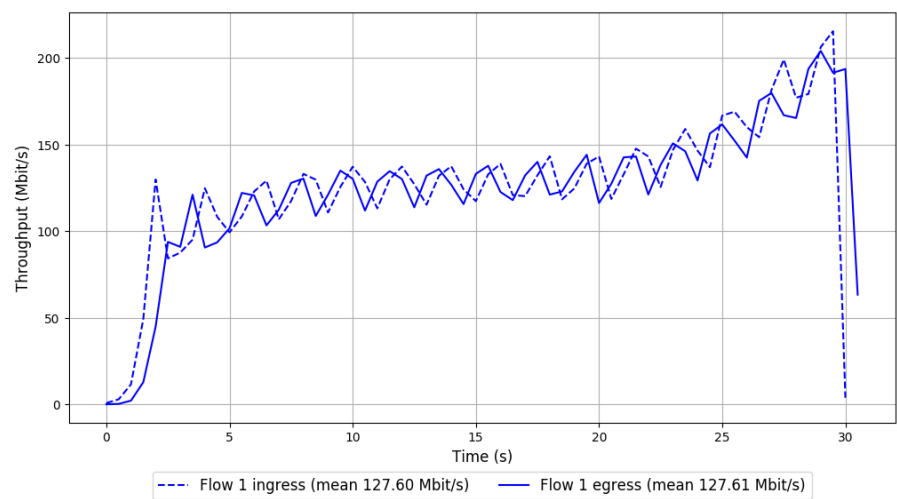
-- Flow 1:

Average throughput: 127.61 Mbit/s

95th percentile per-packet one-way delay: 115.707 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 02:22:43

End at: 2018-08-09 02:23:13

Local clock offset: 1.956 ms

Remote clock offset: 2.508 ms

Below is generated by plot.py at 2018-08-09 03:58:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.60 Mbit/s

95th percentile per-packet one-way delay: 118.391 ms

Loss rate: 0.00%

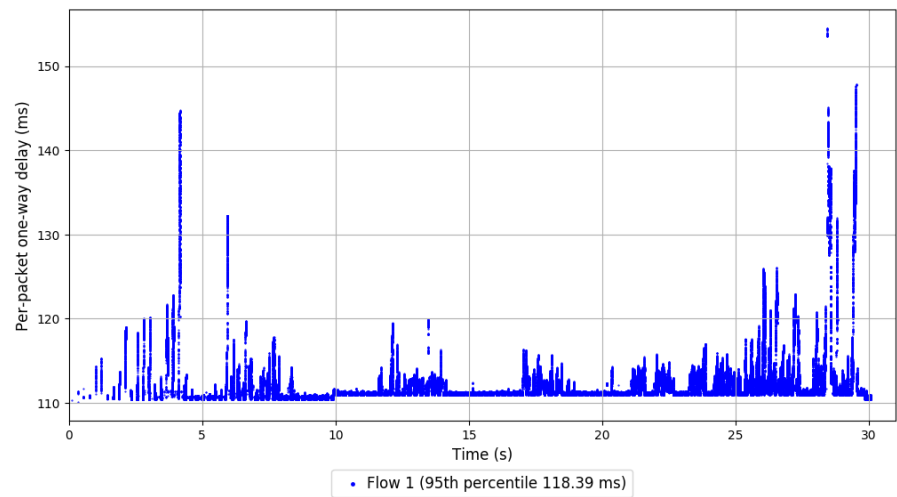
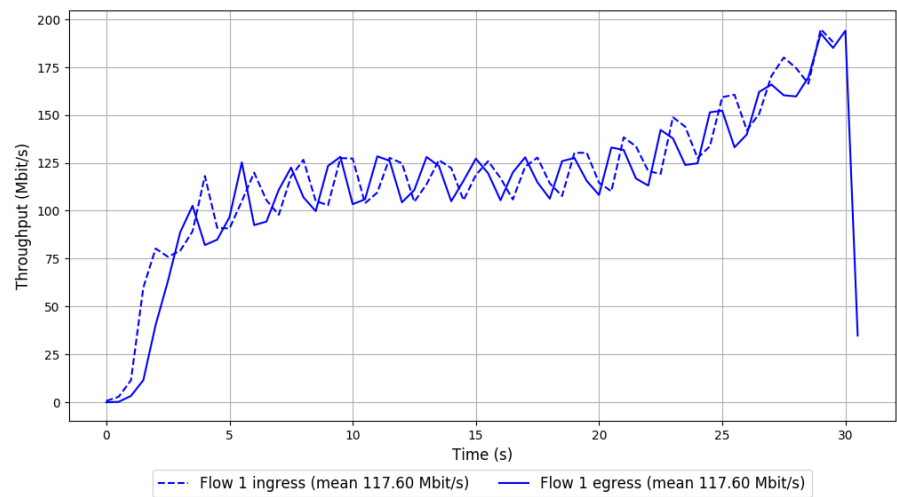
-- Flow 1:

Average throughput: 117.60 Mbit/s

95th percentile per-packet one-way delay: 118.391 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 02:45:18

End at: 2018-08-09 02:45:48

Local clock offset: 1.002 ms

Remote clock offset: 0.815 ms

Below is generated by plot.py at 2018-08-09 03:58:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.58 Mbit/s

95th percentile per-packet one-way delay: 151.399 ms

Loss rate: 0.00%

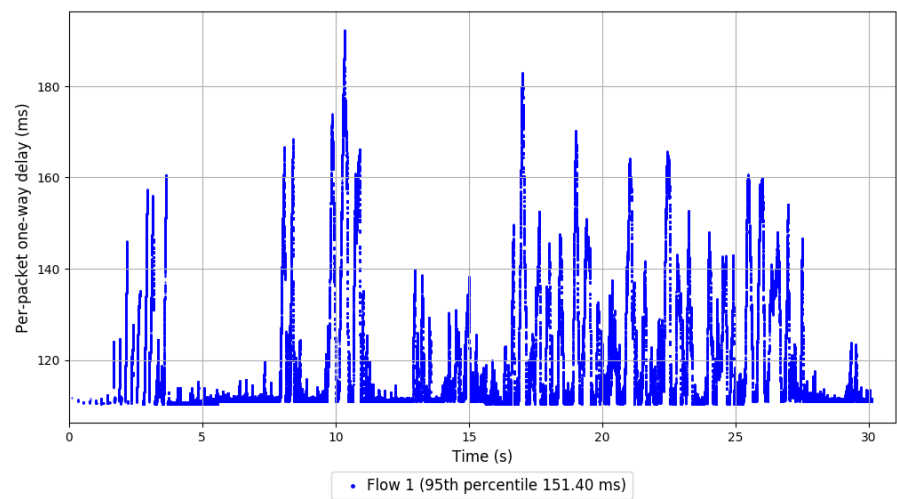
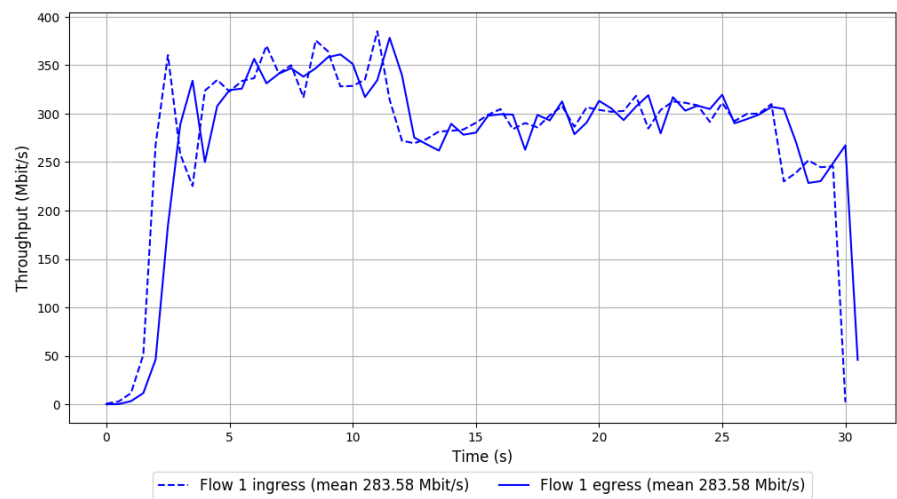
-- Flow 1:

Average throughput: 283.58 Mbit/s

95th percentile per-packet one-way delay: 151.399 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 03:07:37

End at: 2018-08-09 03:08:07

Local clock offset: 0.814 ms

Remote clock offset: 0.649 ms

Below is generated by plot.py at 2018-08-09 03:58:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.68 Mbit/s

95th percentile per-packet one-way delay: 114.847 ms

Loss rate: 0.00%

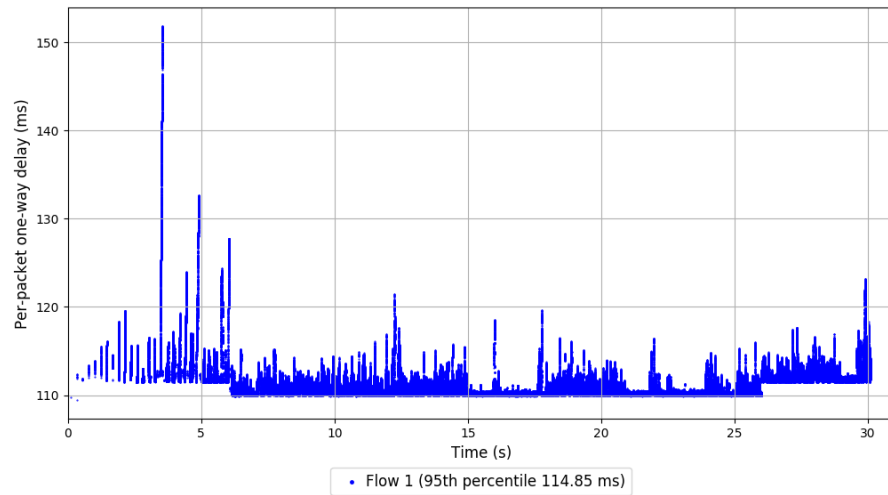
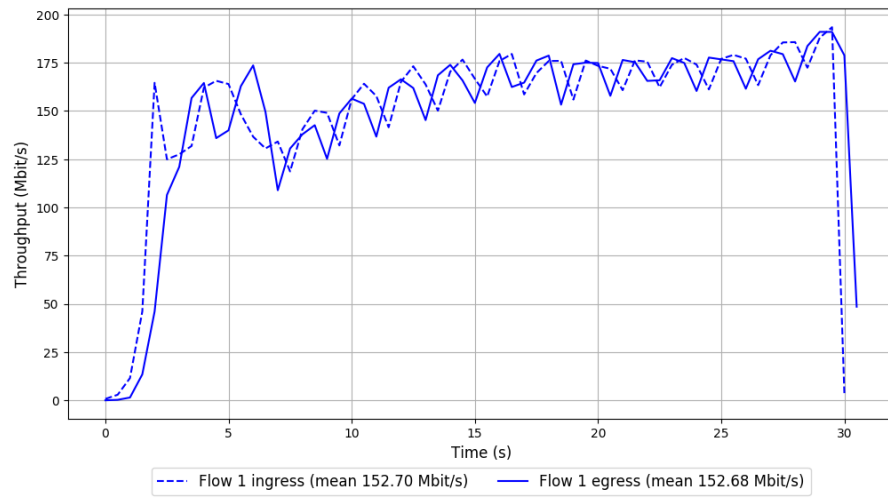
-- Flow 1:

Average throughput: 152.68 Mbit/s

95th percentile per-packet one-way delay: 114.847 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 03:29:44

End at: 2018-08-09 03:30:14

Local clock offset: 0.188 ms

Remote clock offset: 1.366 ms

Below is generated by plot.py at 2018-08-09 03:58:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.30 Mbit/s

95th percentile per-packet one-way delay: 122.059 ms

Loss rate: 0.00%

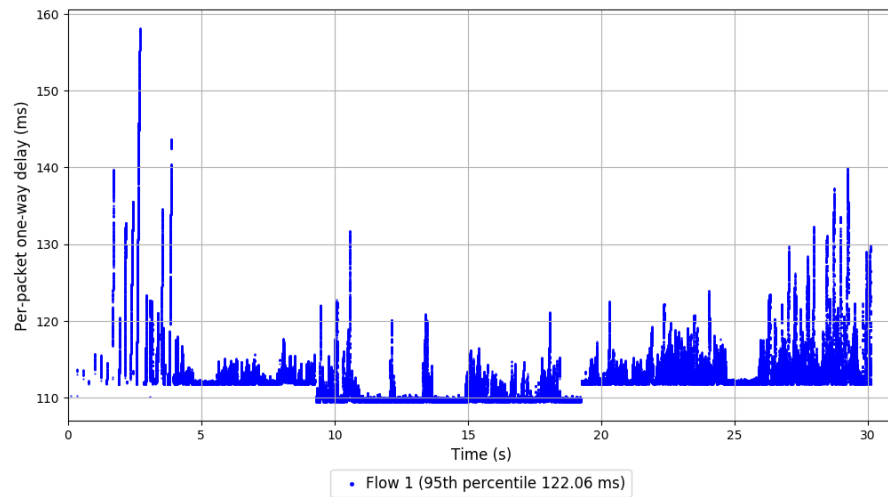
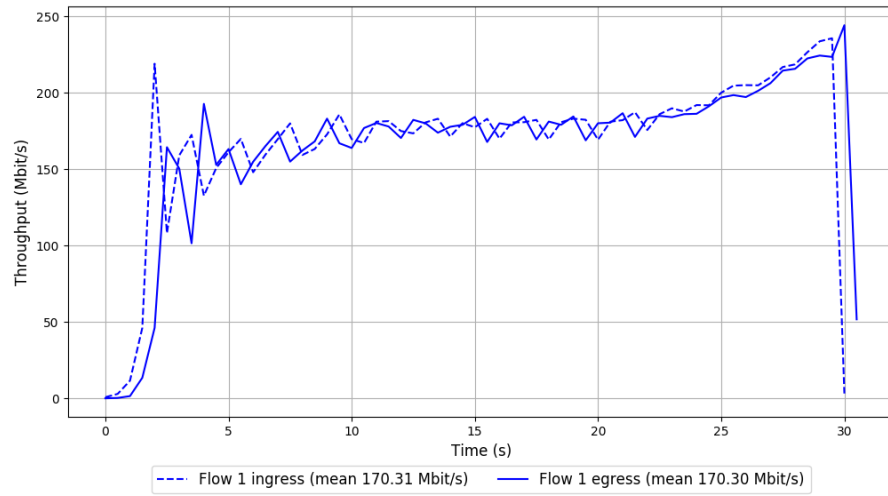
-- Flow 1:

Average throughput: 170.30 Mbit/s

95th percentile per-packet one-way delay: 122.059 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

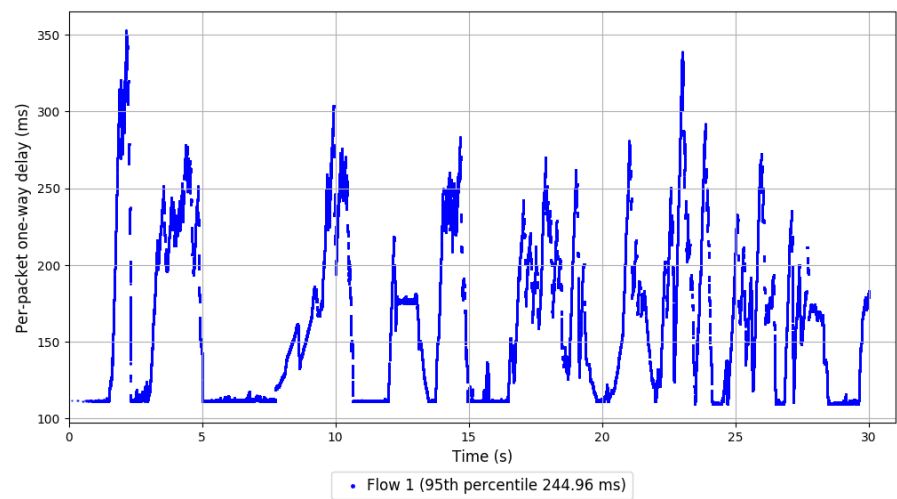
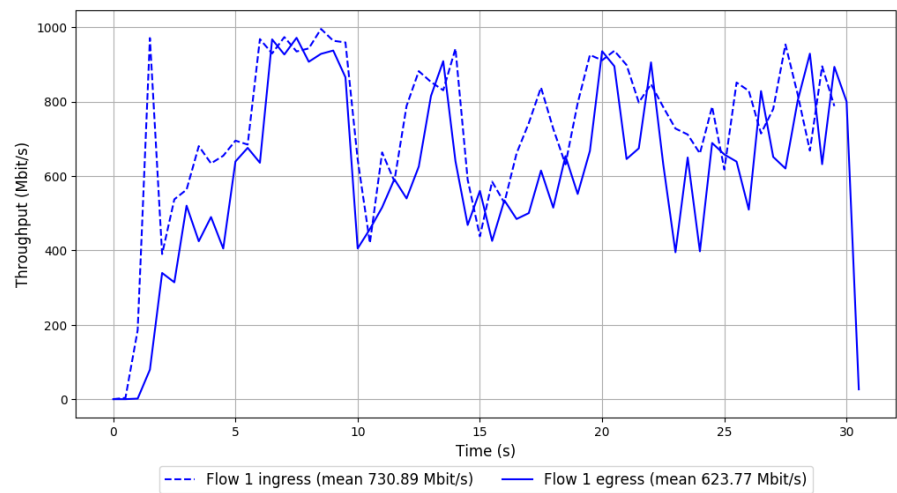


Run 1: Statistics of FillP

Start at: 2018-08-08 23:59:02
End at: 2018-08-08 23:59:32
Local clock offset: 12.713 ms
Remote clock offset: 12.459 ms

Below is generated by plot.py at 2018-08-09 04:08:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 623.77 Mbit/s
95th percentile per-packet one-way delay: 244.960 ms
Loss rate: 14.66%
-- Flow 1:
Average throughput: 623.77 Mbit/s
95th percentile per-packet one-way delay: 244.960 ms
Loss rate: 14.66%

Run 1: Report of FillP — Data Link

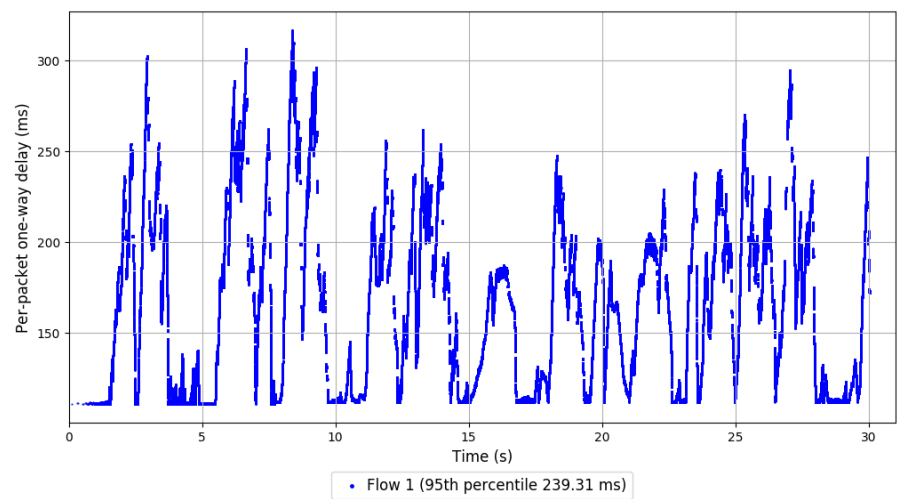
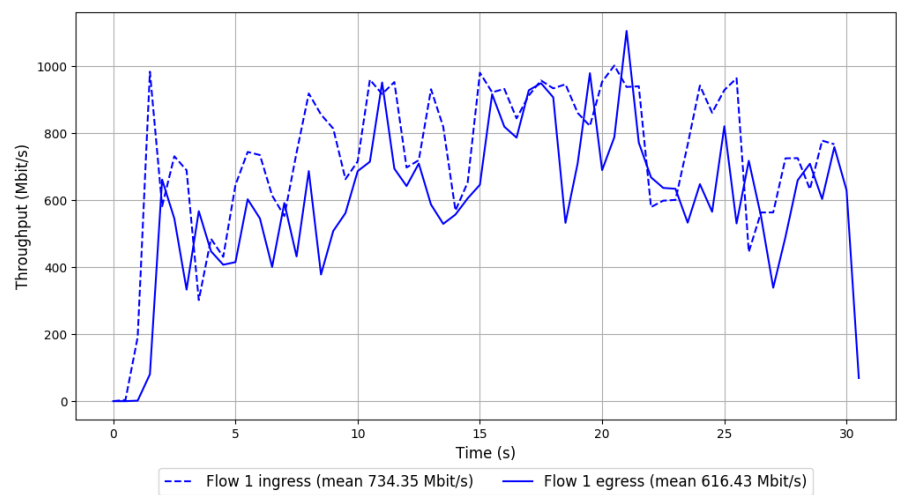


Run 2: Statistics of FillP

Start at: 2018-08-09 00:21:45
End at: 2018-08-09 00:22:15
Local clock offset: 21.718 ms
Remote clock offset: 22.962 ms

Below is generated by plot.py at 2018-08-09 04:09:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 616.43 Mbit/s
95th percentile per-packet one-way delay: 239.306 ms
Loss rate: 16.06%
-- Flow 1:
Average throughput: 616.43 Mbit/s
95th percentile per-packet one-way delay: 239.306 ms
Loss rate: 16.06%

Run 2: Report of FillP — Data Link

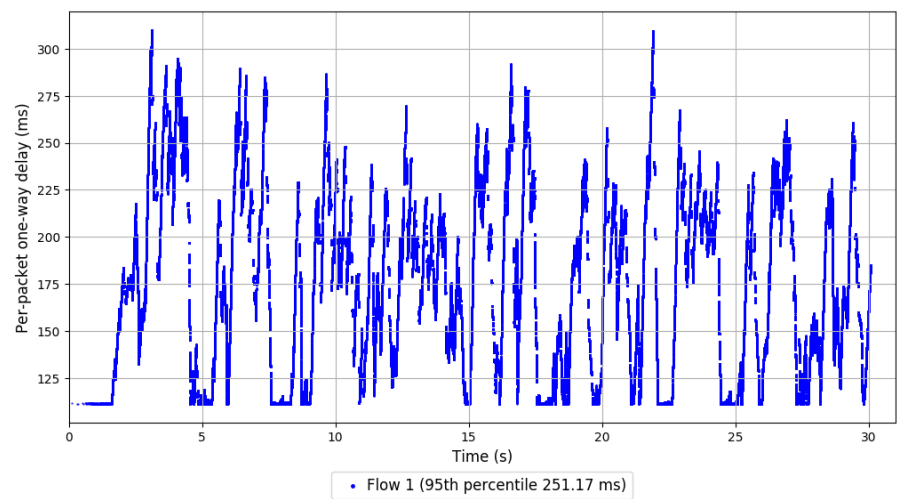
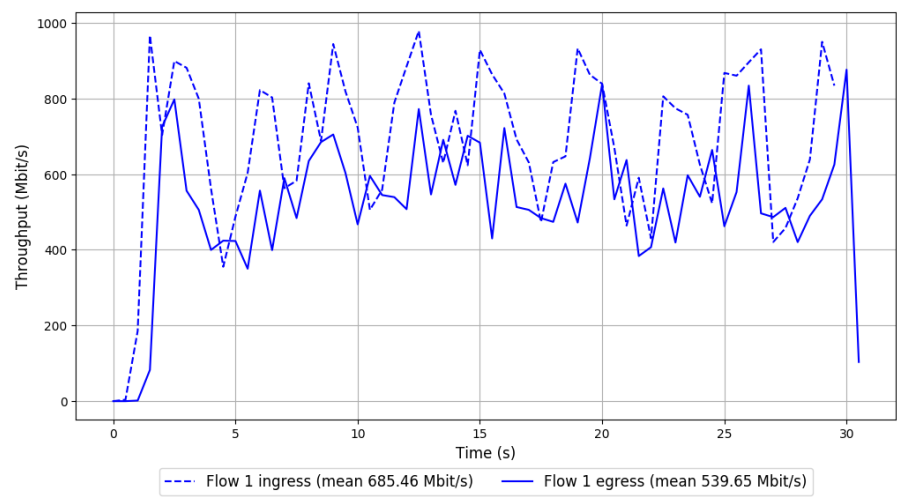


Run 3: Statistics of FillP

Start at: 2018-08-09 00:44:00
End at: 2018-08-09 00:44:30
Local clock offset: 30.428 ms
Remote clock offset: 30.625 ms

Below is generated by plot.py at 2018-08-09 04:09:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 539.65 Mbit/s
95th percentile per-packet one-way delay: 251.170 ms
Loss rate: 21.27%
-- Flow 1:
Average throughput: 539.65 Mbit/s
95th percentile per-packet one-way delay: 251.170 ms
Loss rate: 21.27%

Run 3: Report of FillP — Data Link

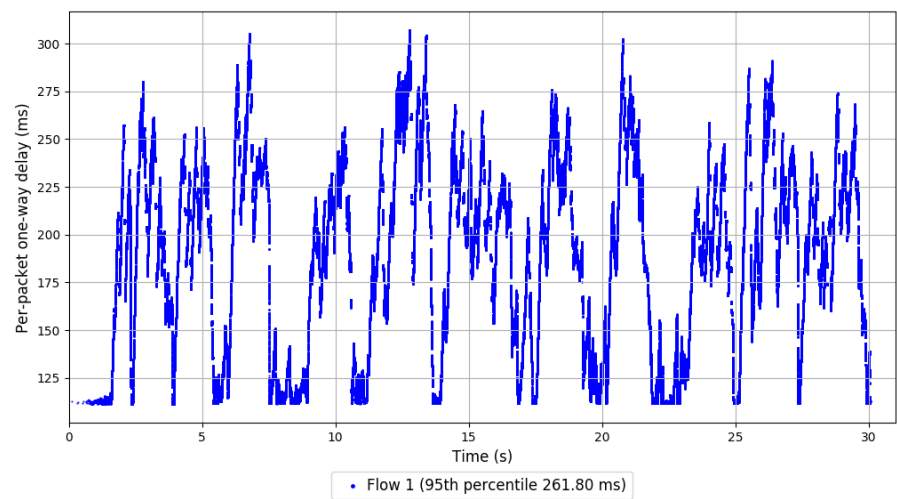
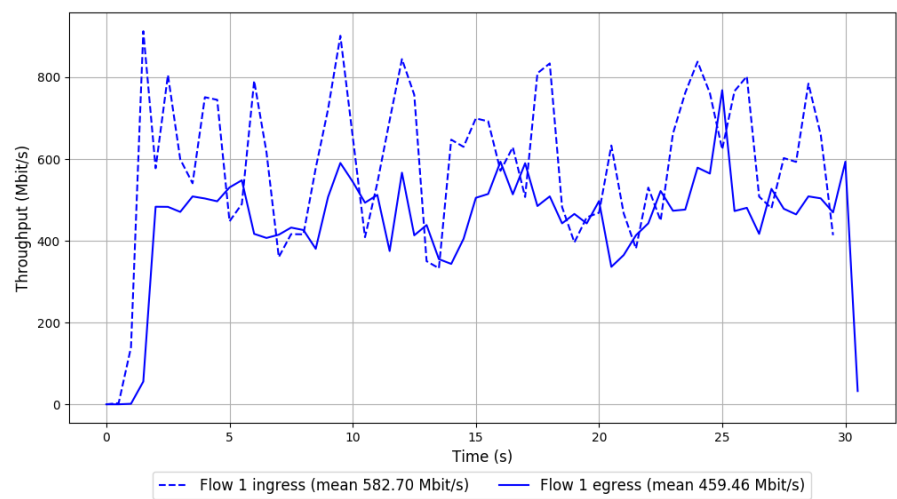


Run 4: Statistics of FillP

Start at: 2018-08-09 01:06:08
End at: 2018-08-09 01:06:38
Local clock offset: 15.055 ms
Remote clock offset: 16.353 ms

Below is generated by plot.py at 2018-08-09 04:09:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 459.46 Mbit/s
95th percentile per-packet one-way delay: 261.803 ms
Loss rate: 21.15%
-- Flow 1:
Average throughput: 459.46 Mbit/s
95th percentile per-packet one-way delay: 261.803 ms
Loss rate: 21.15%

Run 4: Report of FillP — Data Link

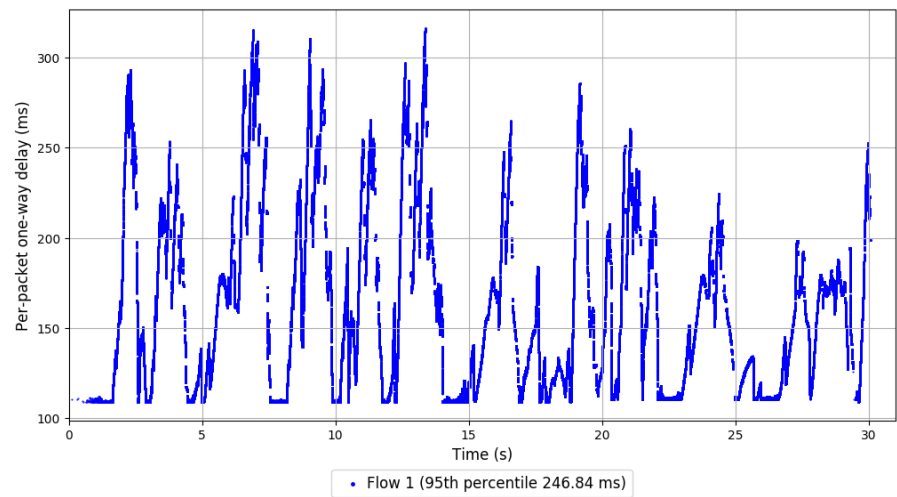
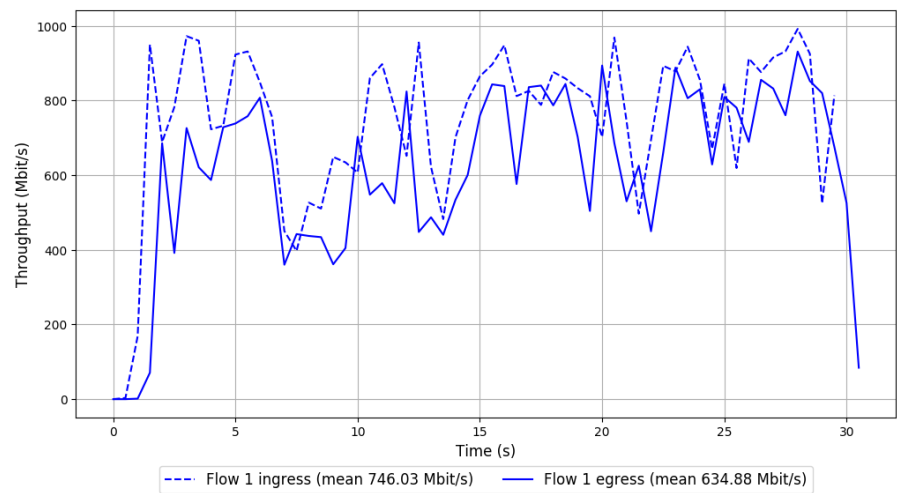


Run 5: Statistics of FillP

Start at: 2018-08-09 01:28:13
End at: 2018-08-09 01:28:43
Local clock offset: 19.006 ms
Remote clock offset: 18.974 ms

Below is generated by plot.py at 2018-08-09 04:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 634.88 Mbit/s
95th percentile per-packet one-way delay: 246.839 ms
Loss rate: 14.90%
-- Flow 1:
Average throughput: 634.88 Mbit/s
95th percentile per-packet one-way delay: 246.839 ms
Loss rate: 14.90%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-09 01:50:40

End at: 2018-08-09 01:51:10

Local clock offset: 7.844 ms

Remote clock offset: 7.921 ms

Below is generated by plot.py at 2018-08-09 04:11:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 675.35 Mbit/s

95th percentile per-packet one-way delay: 221.948 ms

Loss rate: 11.95%

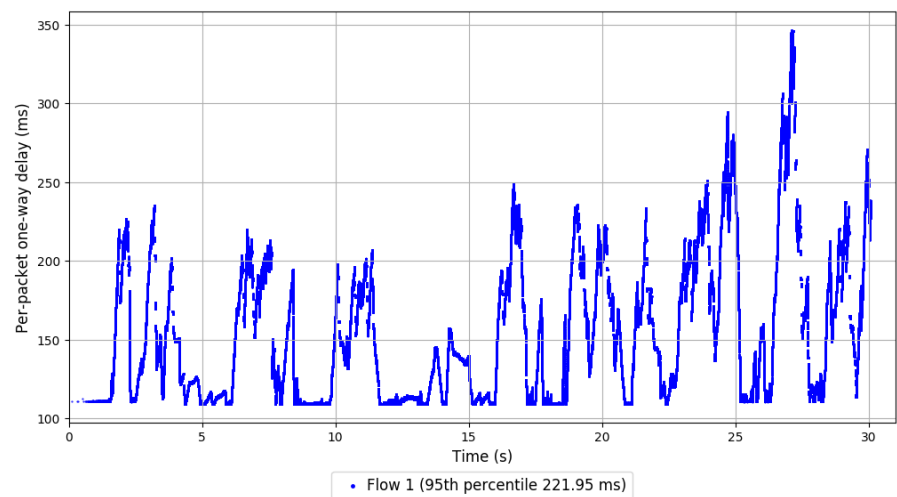
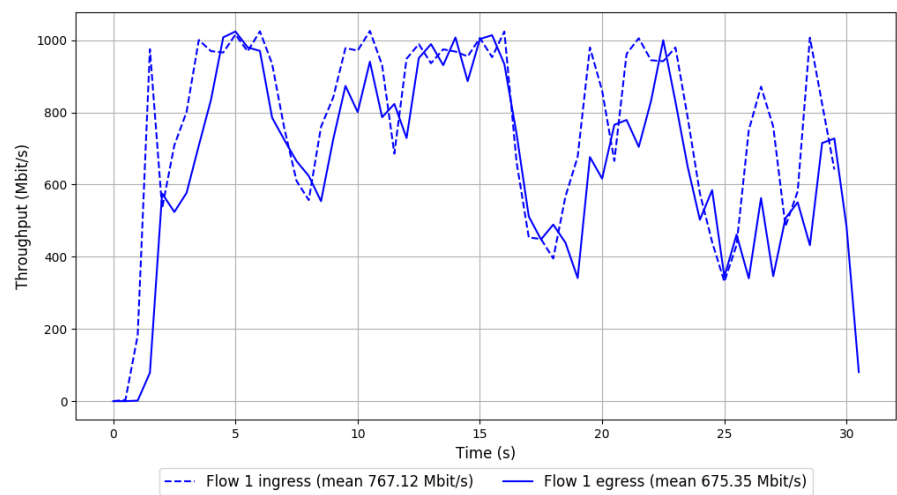
-- Flow 1:

Average throughput: 675.35 Mbit/s

95th percentile per-packet one-way delay: 221.948 ms

Loss rate: 11.95%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-09 02:13:05

End at: 2018-08-09 02:13:35

Local clock offset: 4.483 ms

Remote clock offset: 3.242 ms

Below is generated by plot.py at 2018-08-09 04:11:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 530.49 Mbit/s

95th percentile per-packet one-way delay: 251.695 ms

Loss rate: 18.60%

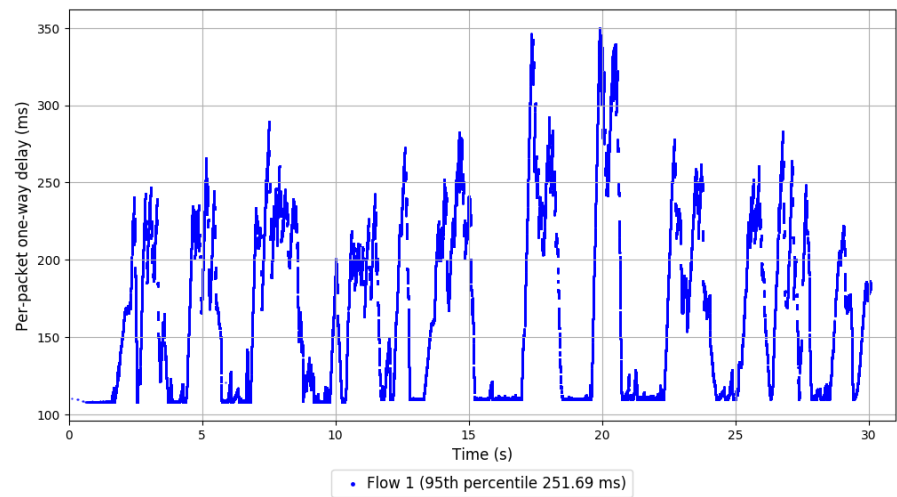
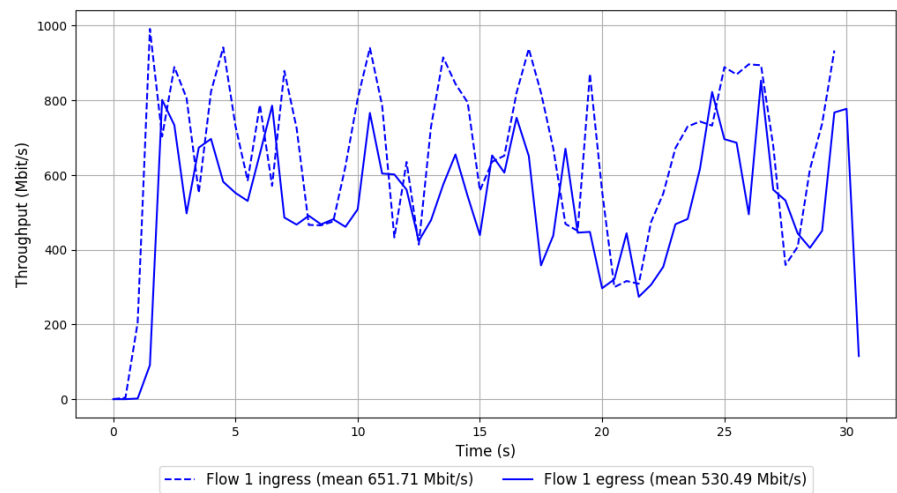
-- Flow 1:

Average throughput: 530.49 Mbit/s

95th percentile per-packet one-way delay: 251.695 ms

Loss rate: 18.60%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-09 02:35:12

End at: 2018-08-09 02:35:42

Local clock offset: 2.305 ms

Remote clock offset: 1.881 ms

Below is generated by plot.py at 2018-08-09 04:11:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 668.00 Mbit/s

95th percentile per-packet one-way delay: 226.363 ms

Loss rate: 12.34%

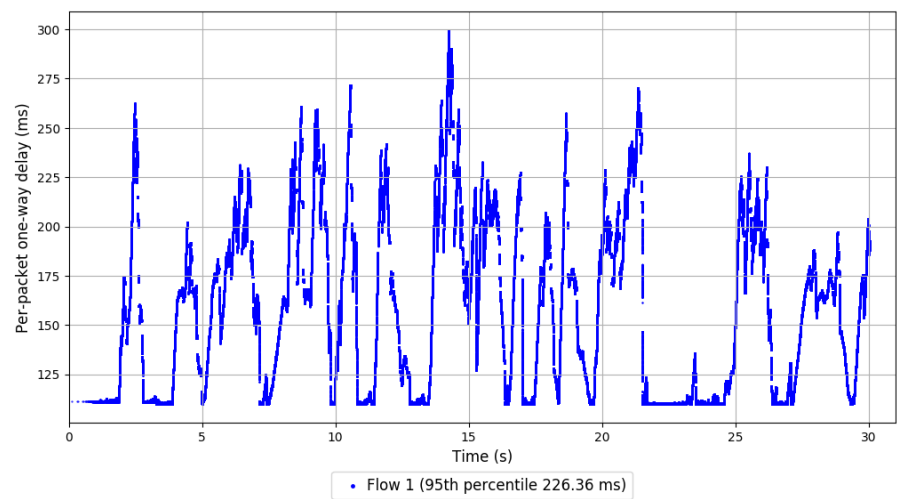
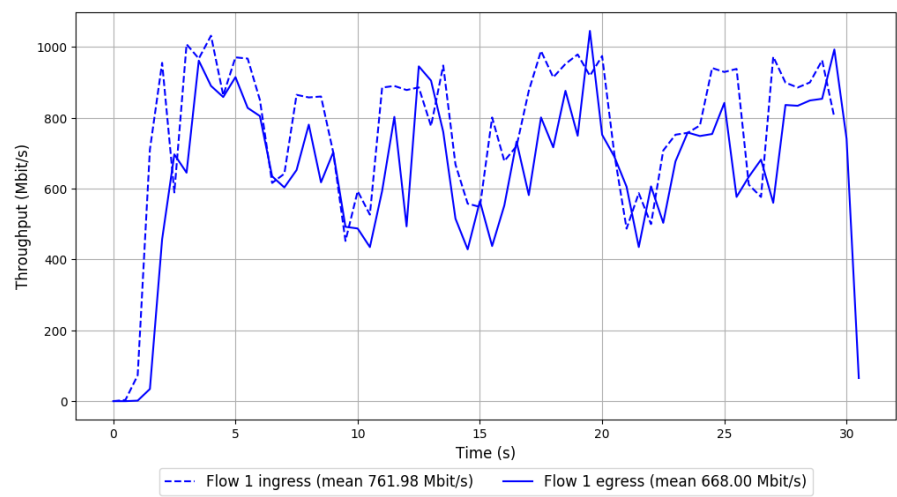
-- Flow 1:

Average throughput: 668.00 Mbit/s

95th percentile per-packet one-way delay: 226.363 ms

Loss rate: 12.34%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-09 02:57:50

End at: 2018-08-09 02:58:20

Local clock offset: 0.65 ms

Remote clock offset: 0.565 ms

Below is generated by plot.py at 2018-08-09 04:17:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 569.48 Mbit/s

95th percentile per-packet one-way delay: 246.821 ms

Loss rate: 15.63%

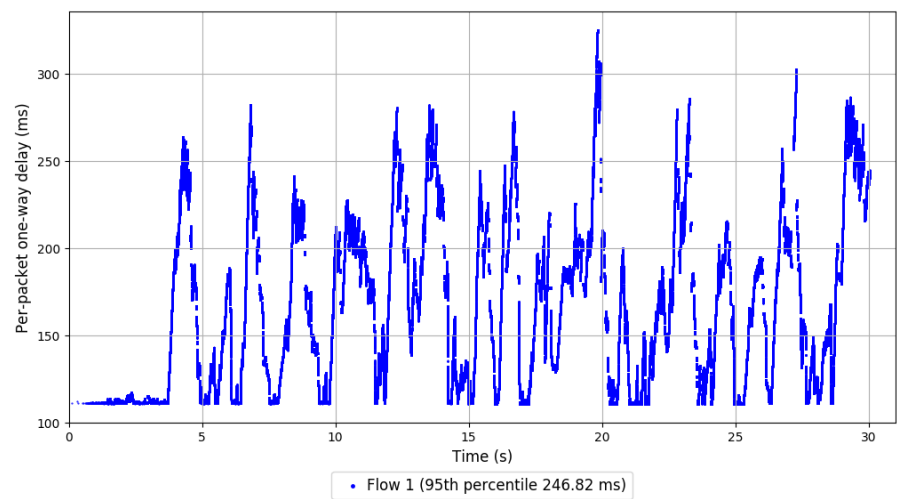
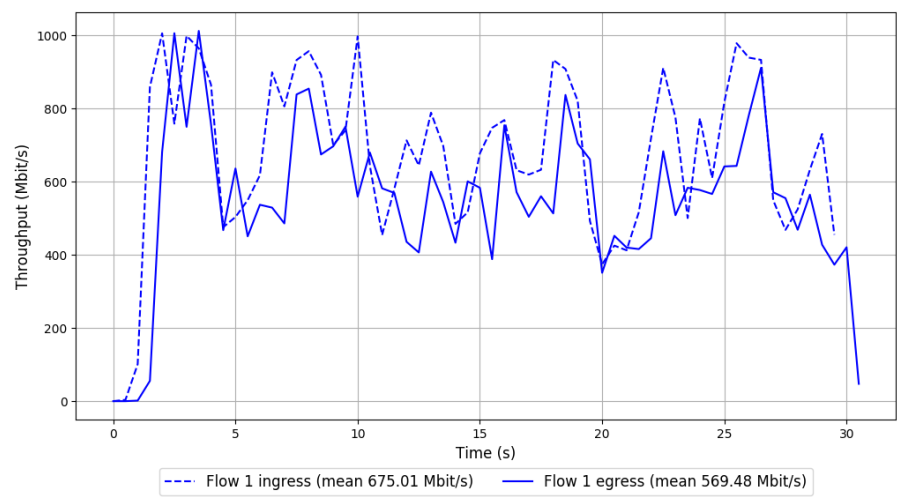
-- Flow 1:

Average throughput: 569.48 Mbit/s

95th percentile per-packet one-way delay: 246.821 ms

Loss rate: 15.63%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-09 03:19:51

End at: 2018-08-09 03:20:21

Local clock offset: 0.317 ms

Remote clock offset: 0.614 ms

Below is generated by plot.py at 2018-08-09 04:19:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 629.36 Mbit/s

95th percentile per-packet one-way delay: 232.685 ms

Loss rate: 15.40%

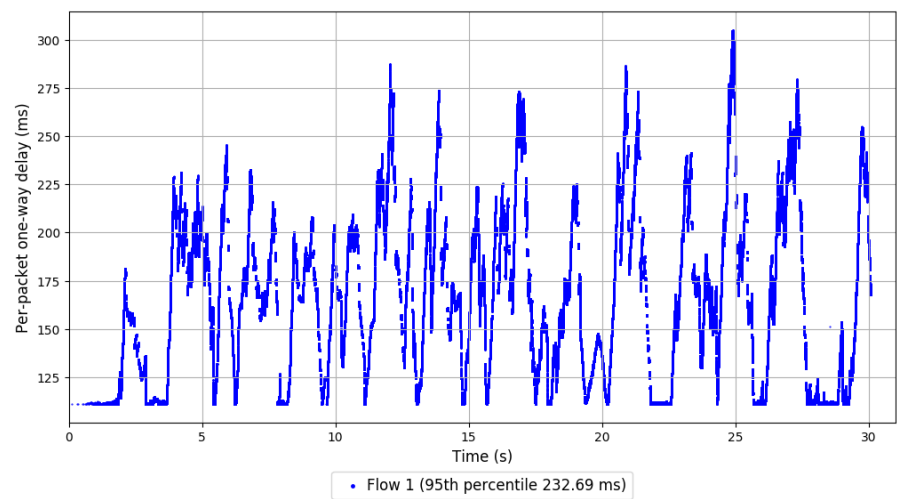
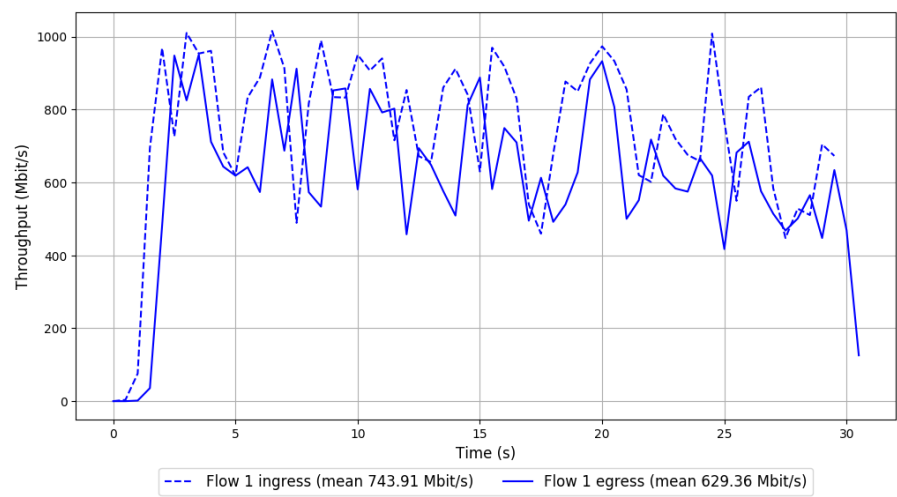
-- Flow 1:

Average throughput: 629.36 Mbit/s

95th percentile per-packet one-way delay: 232.685 ms

Loss rate: 15.40%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 00:07:39

End at: 2018-08-09 00:08:09

Local clock offset: 13.664 ms

Remote clock offset: 13.196 ms

Below is generated by plot.py at 2018-08-09 04:19:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 589.63 Mbit/s

95th percentile per-packet one-way delay: 245.242 ms

Loss rate: 20.51%

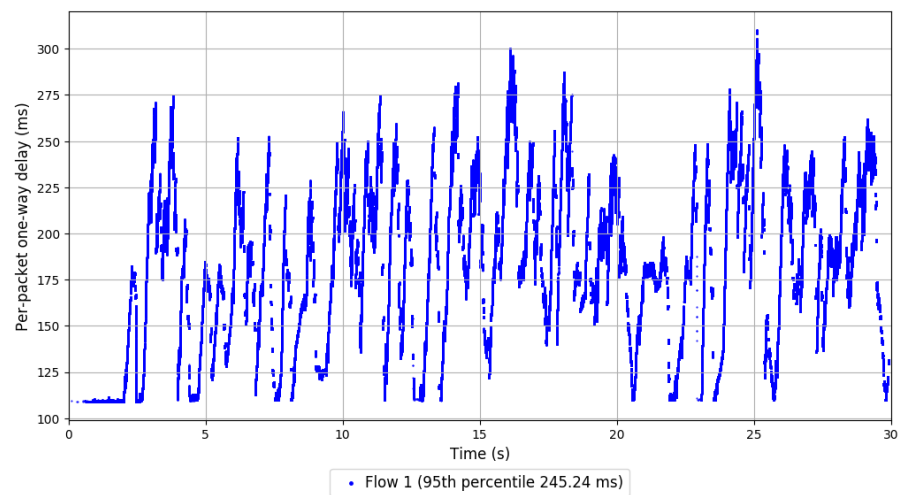
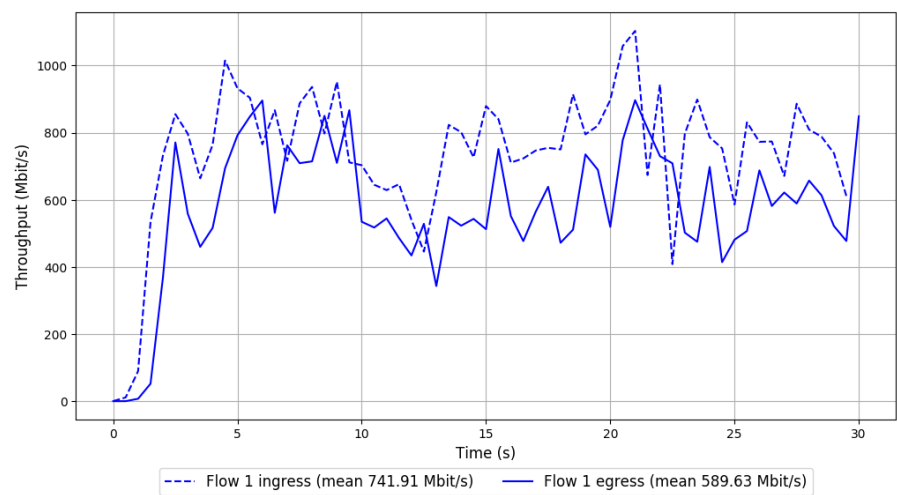
-- Flow 1:

Average throughput: 589.63 Mbit/s

95th percentile per-packet one-way delay: 245.242 ms

Loss rate: 20.51%

Run 1: Report of FillP-Sheep — Data Link

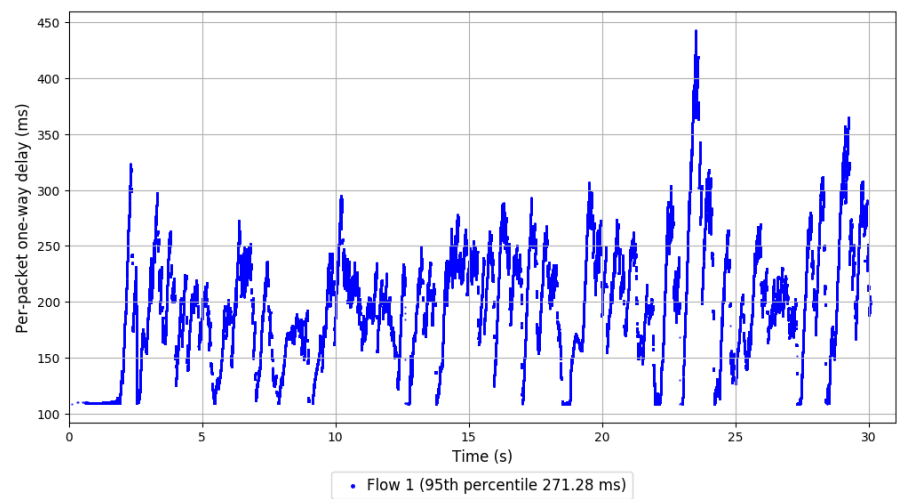
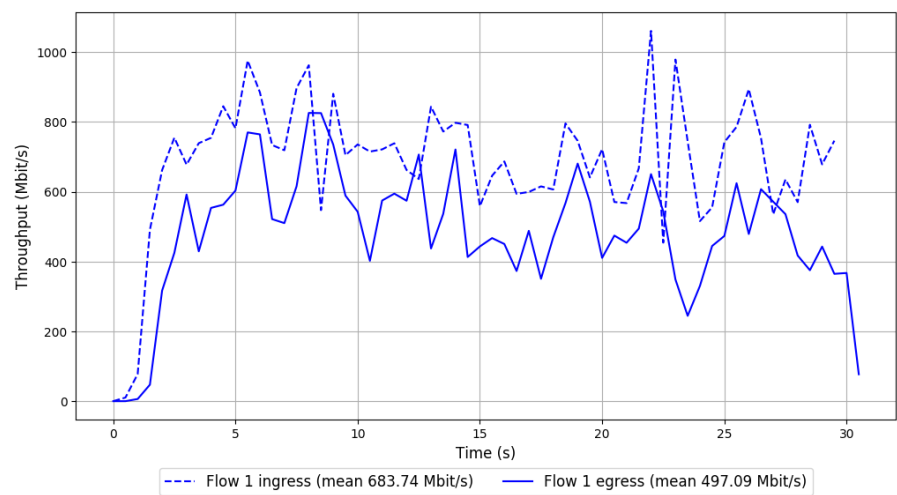


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 00:29:55
End at: 2018-08-09 00:30:25
Local clock offset: 21.294 ms
Remote clock offset: 19.681 ms

Below is generated by plot.py at 2018-08-09 04:19:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 497.09 Mbit/s
95th percentile per-packet one-way delay: 271.284 ms
Loss rate: 27.29%
-- Flow 1:
Average throughput: 497.09 Mbit/s
95th percentile per-packet one-way delay: 271.284 ms
Loss rate: 27.29%

Run 2: Report of FillP-Sheep — Data Link

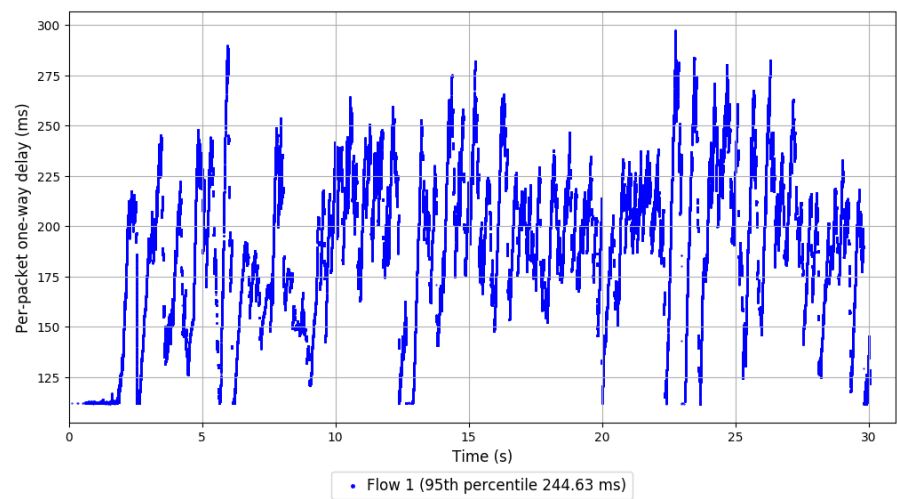
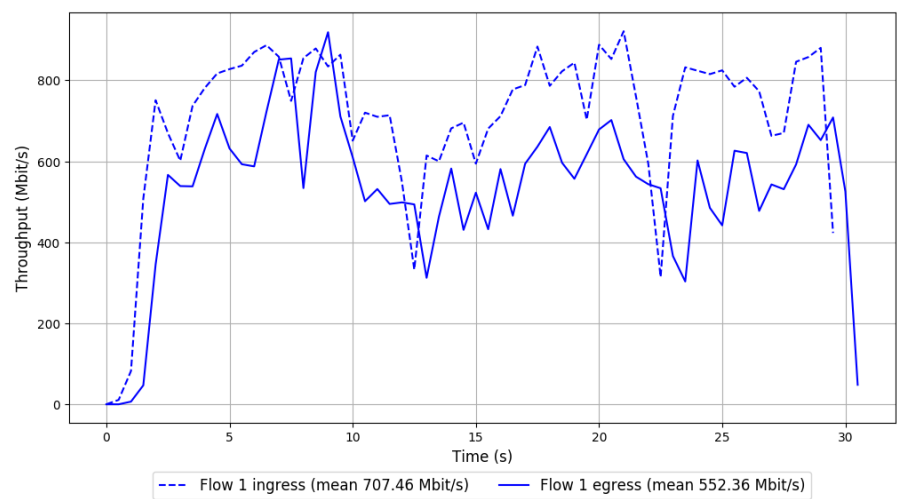


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 00:52:05
End at: 2018-08-09 00:52:35
Local clock offset: 37.999 ms
Remote clock offset: 38.974 ms

Below is generated by plot.py at 2018-08-09 04:20:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 552.36 Mbit/s
95th percentile per-packet one-way delay: 244.627 ms
Loss rate: 21.88%
-- Flow 1:
Average throughput: 552.36 Mbit/s
95th percentile per-packet one-way delay: 244.627 ms
Loss rate: 21.88%

Run 3: Report of FillP-Sheep — Data Link

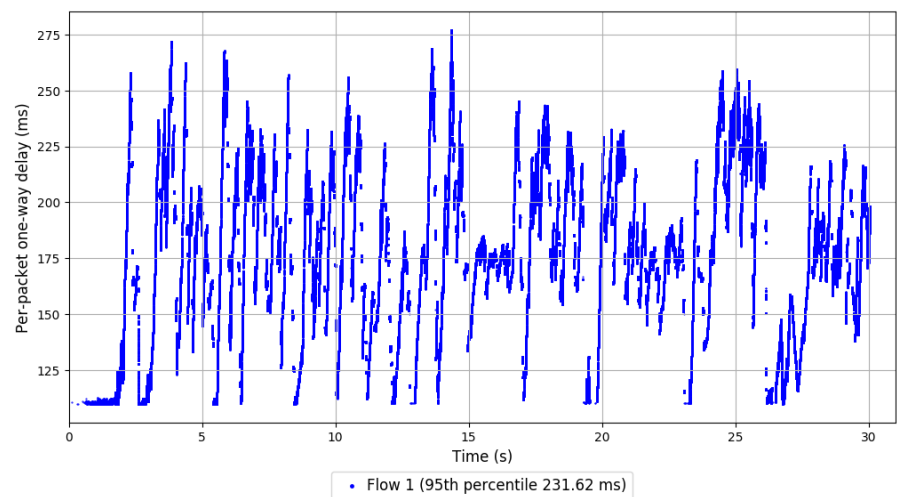
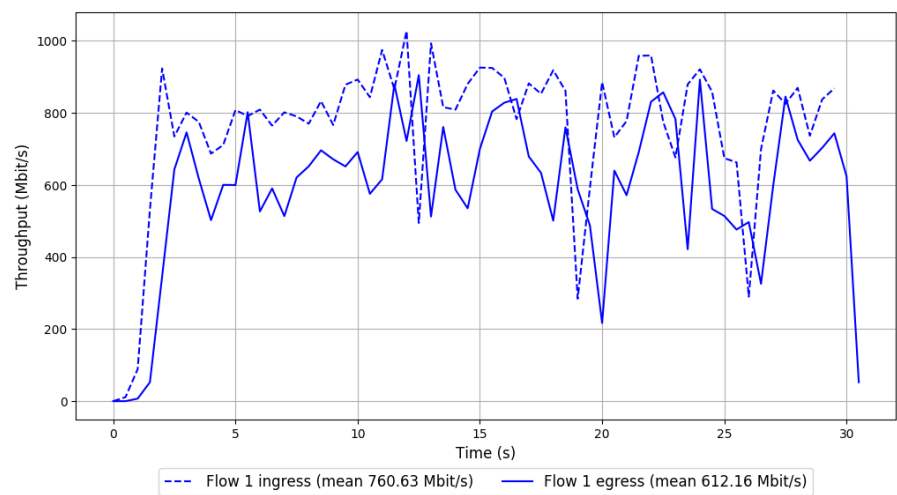


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 01:14:04
End at: 2018-08-09 01:14:34
Local clock offset: 15.448 ms
Remote clock offset: 15.167 ms

Below is generated by plot.py at 2018-08-09 04:22:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 612.16 Mbit/s
95th percentile per-packet one-way delay: 231.623 ms
Loss rate: 19.52%
-- Flow 1:
Average throughput: 612.16 Mbit/s
95th percentile per-packet one-way delay: 231.623 ms
Loss rate: 19.52%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 01:36:32

End at: 2018-08-09 01:37:02

Local clock offset: 9.503 ms

Remote clock offset: 9.534 ms

Below is generated by plot.py at 2018-08-09 04:24:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 658.20 Mbit/s

95th percentile per-packet one-way delay: 227.565 ms

Loss rate: 15.30%

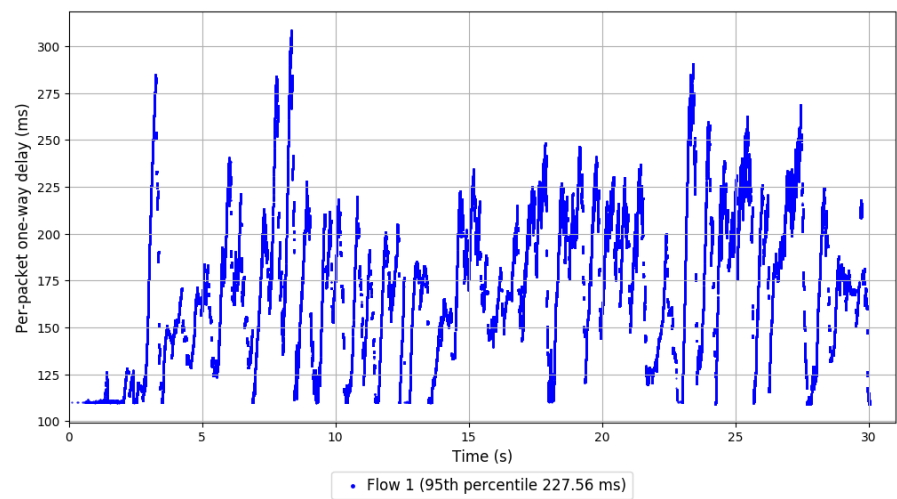
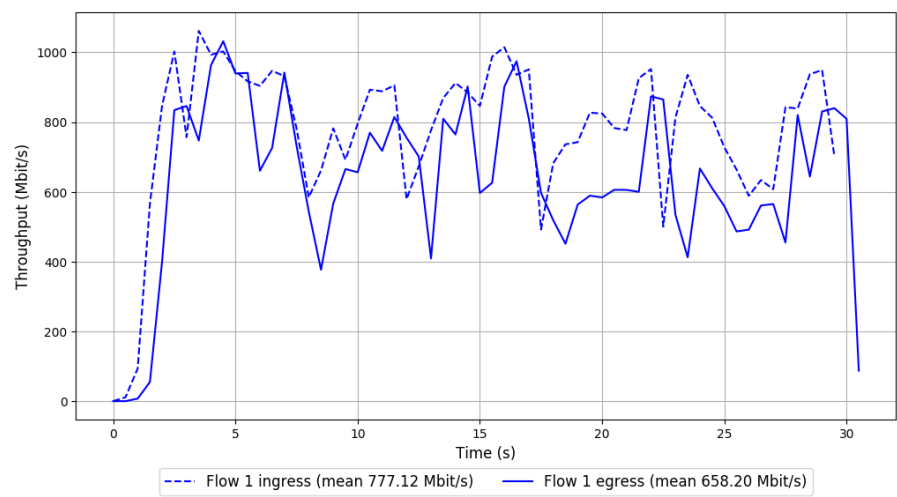
-- Flow 1:

Average throughput: 658.20 Mbit/s

95th percentile per-packet one-way delay: 227.565 ms

Loss rate: 15.30%

Run 5: Report of FillP-Sheep — Data Link

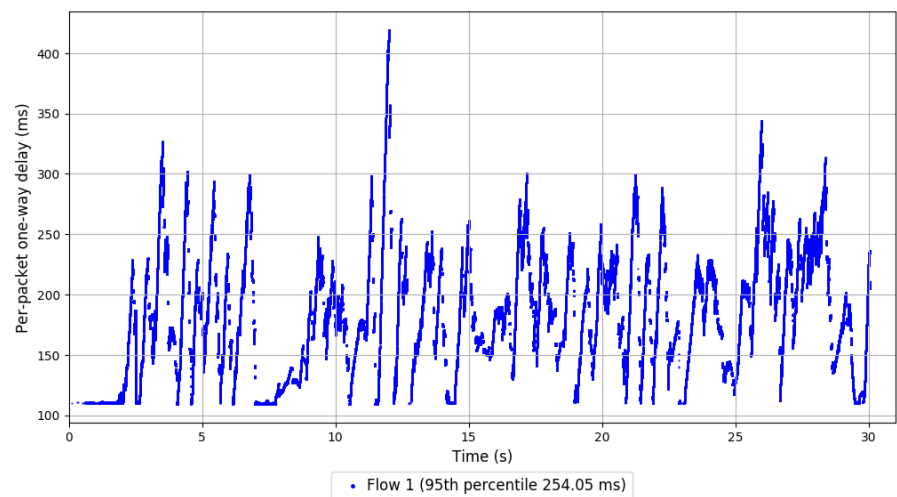
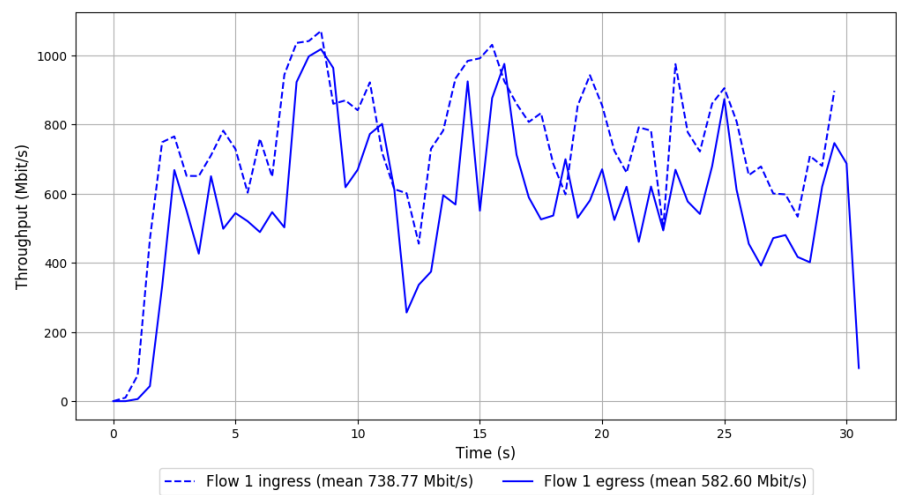


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 01:59:00
End at: 2018-08-09 01:59:30
Local clock offset: 10.497 ms
Remote clock offset: 9.068 ms

Below is generated by plot.py at 2018-08-09 04:24:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 582.60 Mbit/s
95th percentile per-packet one-way delay: 254.047 ms
Loss rate: 21.14%
-- Flow 1:
Average throughput: 582.60 Mbit/s
95th percentile per-packet one-way delay: 254.047 ms
Loss rate: 21.14%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 02:21:08

End at: 2018-08-09 02:21:38

Local clock offset: 2.08 ms

Remote clock offset: 2.572 ms

Below is generated by plot.py at 2018-08-09 04:30:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.46 Mbit/s

95th percentile per-packet one-way delay: 249.341 ms

Loss rate: 23.79%

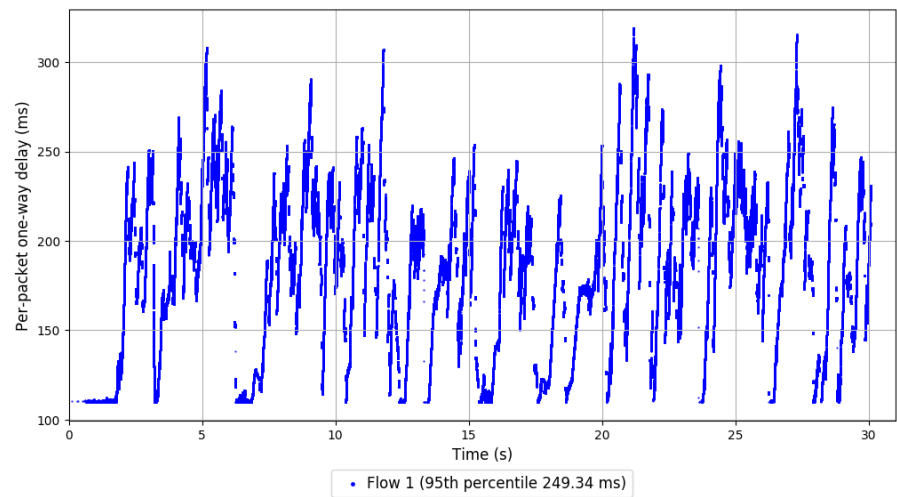
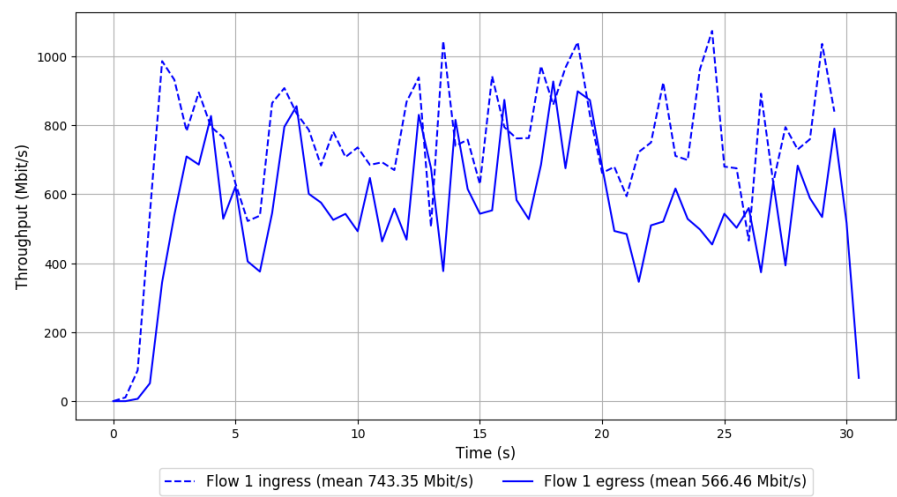
-- Flow 1:

Average throughput: 566.46 Mbit/s

95th percentile per-packet one-way delay: 249.341 ms

Loss rate: 23.79%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 02:43:40

End at: 2018-08-09 02:44:10

Local clock offset: 1.096 ms

Remote clock offset: 0.613 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 651.12 Mbit/s

95th percentile per-packet one-way delay: 232.679 ms

Loss rate: 13.67%

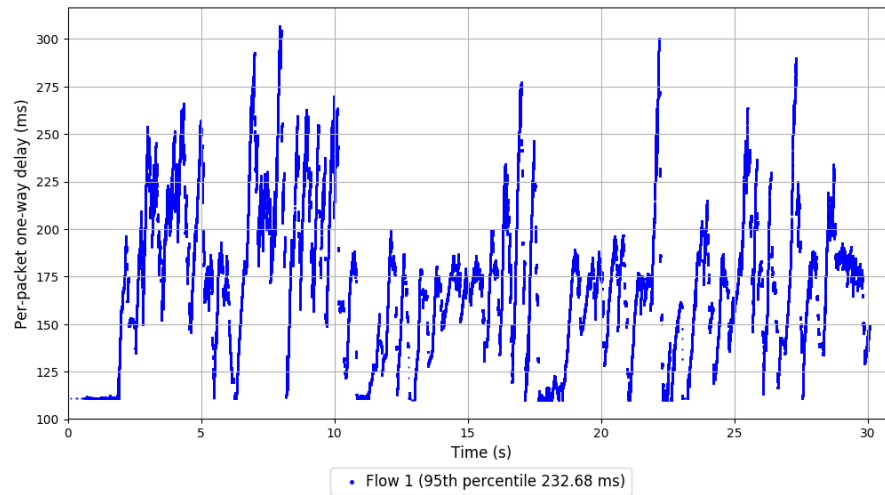
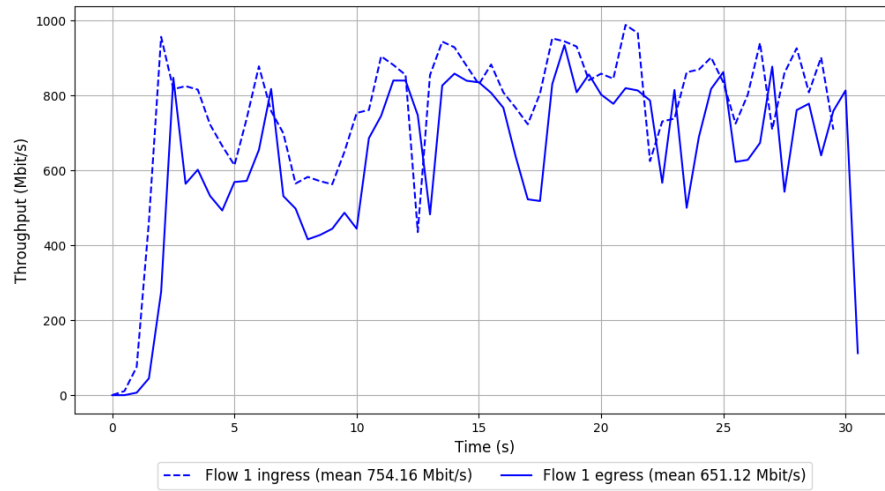
-- Flow 1:

Average throughput: 651.12 Mbit/s

95th percentile per-packet one-way delay: 232.679 ms

Loss rate: 13.67%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 03:06:03

End at: 2018-08-09 03:06:33

Local clock offset: 1.018 ms

Remote clock offset: 0.667 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.83 Mbit/s

95th percentile per-packet one-way delay: 251.375 ms

Loss rate: 20.28%

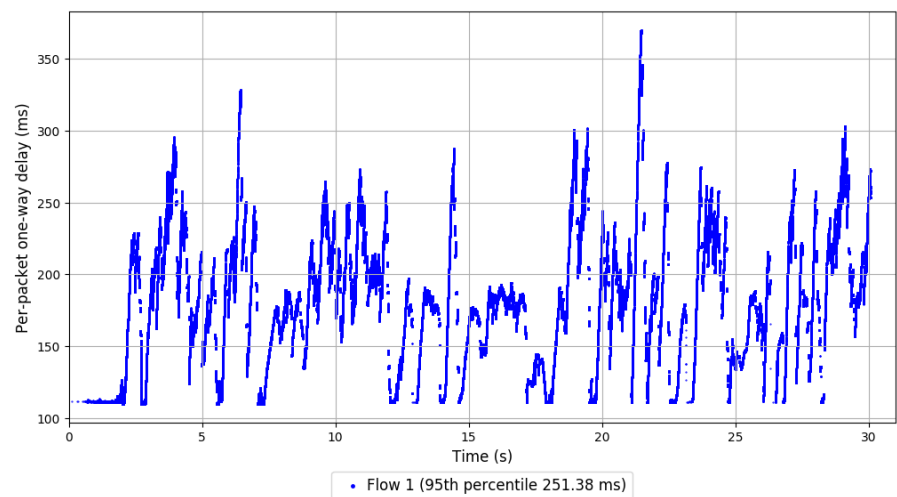
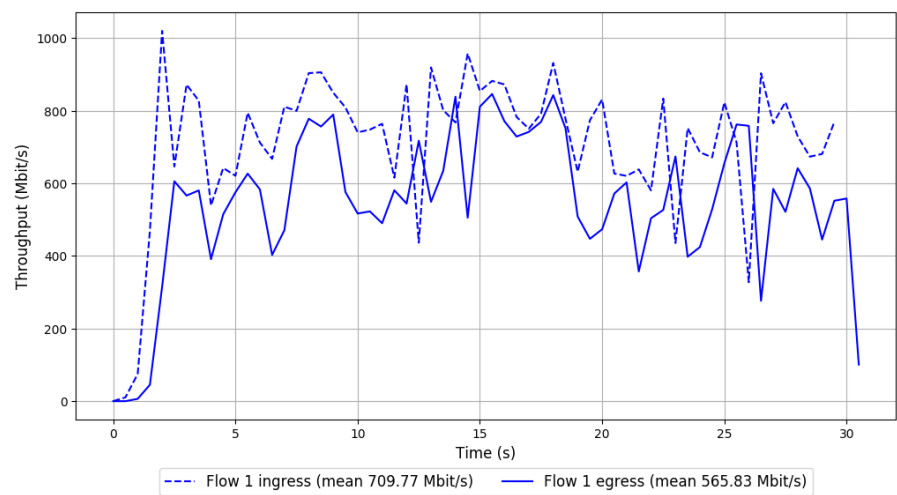
-- Flow 1:

Average throughput: 565.83 Mbit/s

95th percentile per-packet one-way delay: 251.375 ms

Loss rate: 20.28%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 03:28:12

End at: 2018-08-09 03:28:42

Local clock offset: 0.394 ms

Remote clock offset: 1.007 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.00 Mbit/s

95th percentile per-packet one-way delay: 250.797 ms

Loss rate: 23.94%

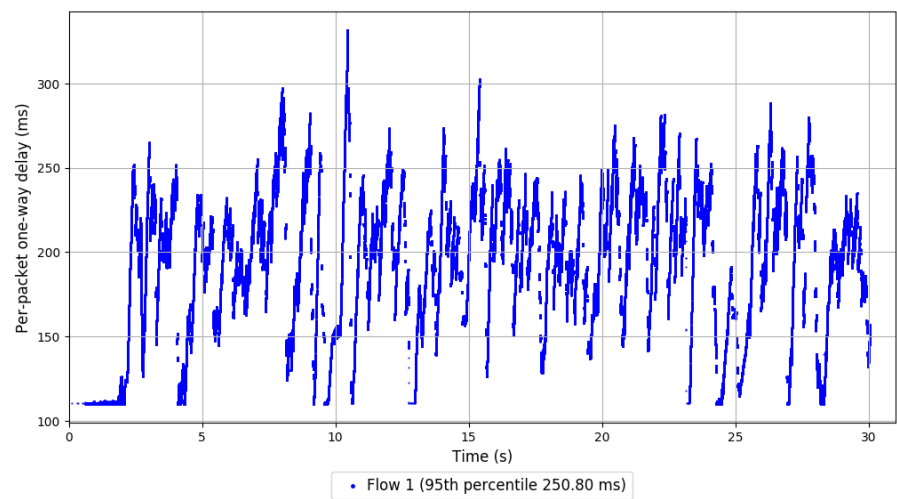
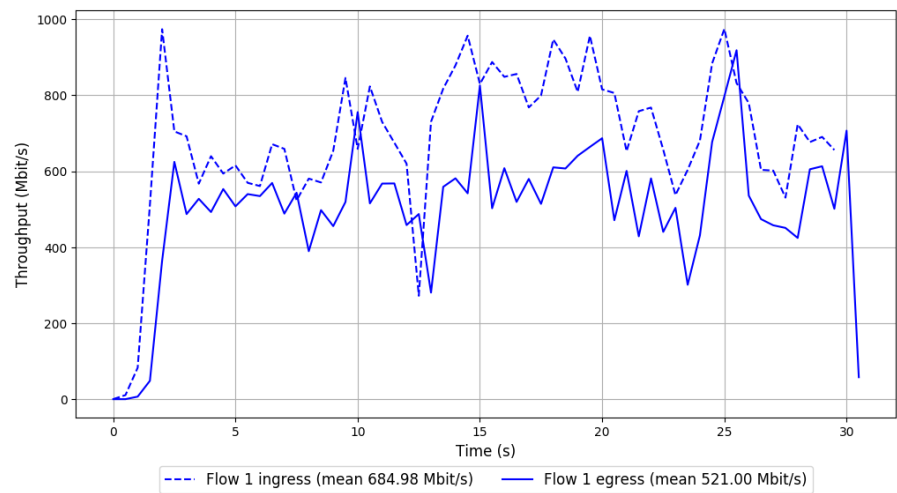
-- Flow 1:

Average throughput: 521.00 Mbit/s

95th percentile per-packet one-way delay: 250.797 ms

Loss rate: 23.94%

Run 10: Report of FillP-Sheep — Data Link

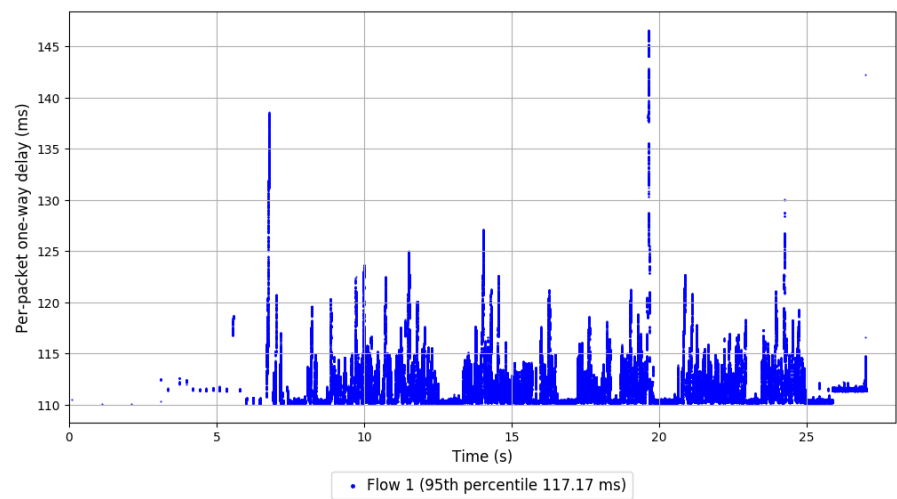
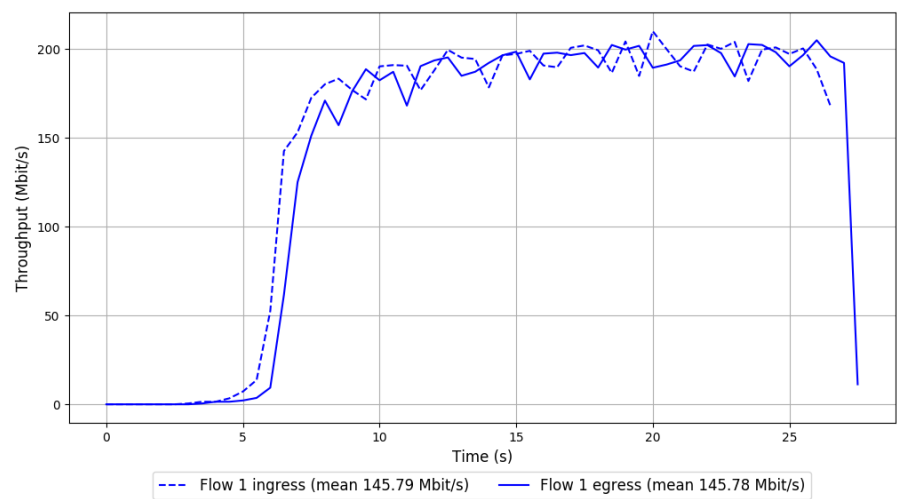


```
Run 1: Statistics of Indigo

Start at: 2018-08-08 23:56:24
End at: 2018-08-08 23:56:54
Local clock offset: 9.328 ms
Remote clock offset: 9.075 ms

# Below is generated by plot.py at 2018-08-09 04:31:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 145.78 Mbit/s
95th percentile per-packet one-way delay: 117.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.78 Mbit/s
95th percentile per-packet one-way delay: 117.172 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

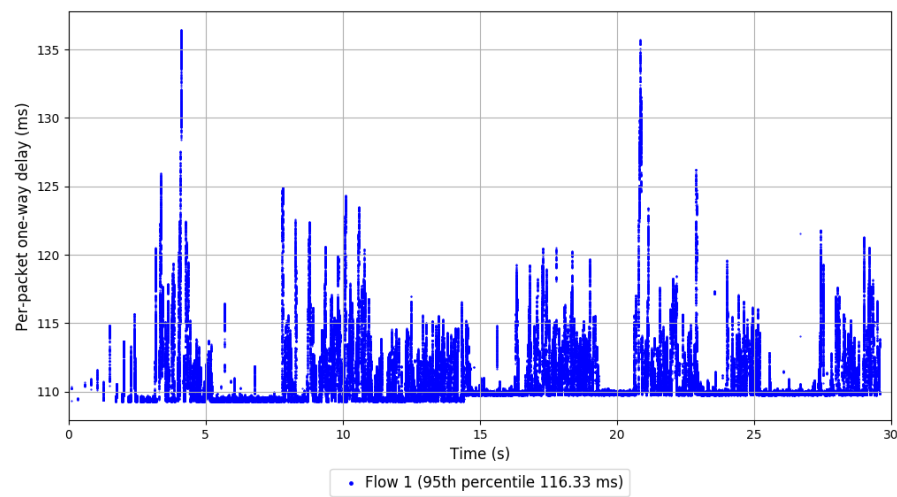
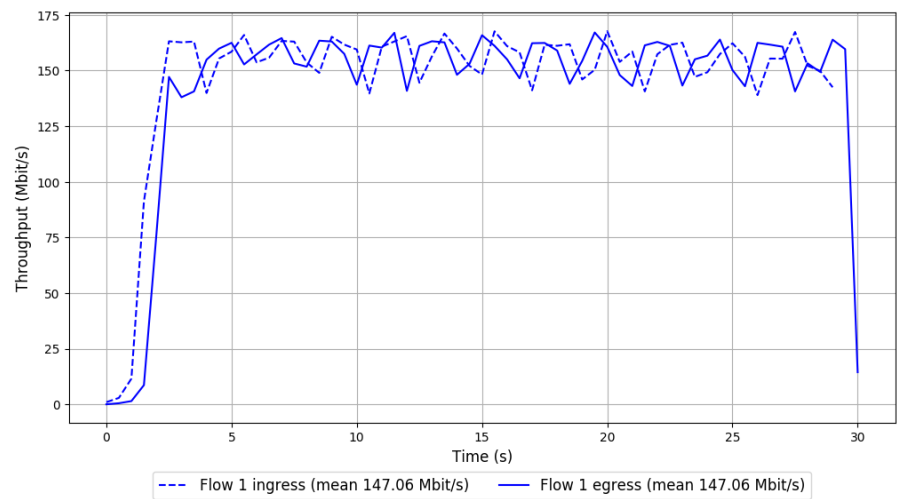


Run 2: Statistics of Indigo

Start at: 2018-08-09 00:18:58
End at: 2018-08-09 00:19:28
Local clock offset: 26.77 ms
Remote clock offset: 26.647 ms

Below is generated by plot.py at 2018-08-09 04:31:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.06 Mbit/s
95th percentile per-packet one-way delay: 116.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.06 Mbit/s
95th percentile per-packet one-way delay: 116.325 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

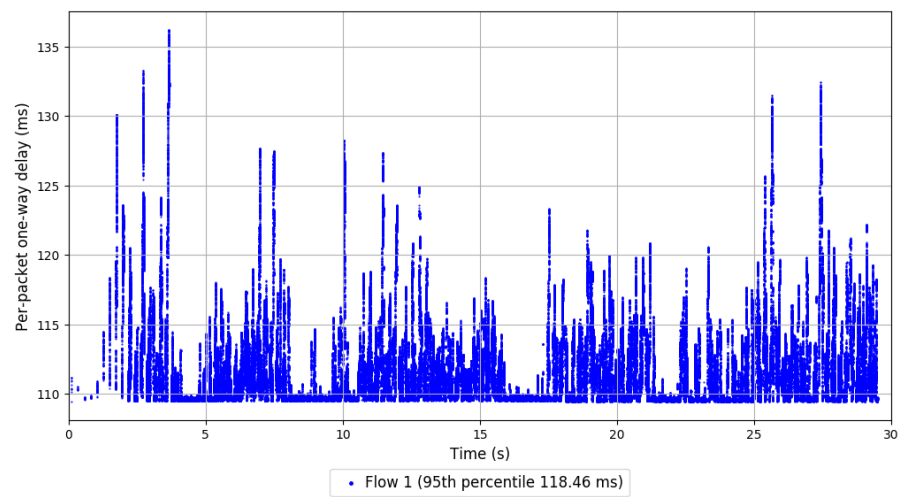
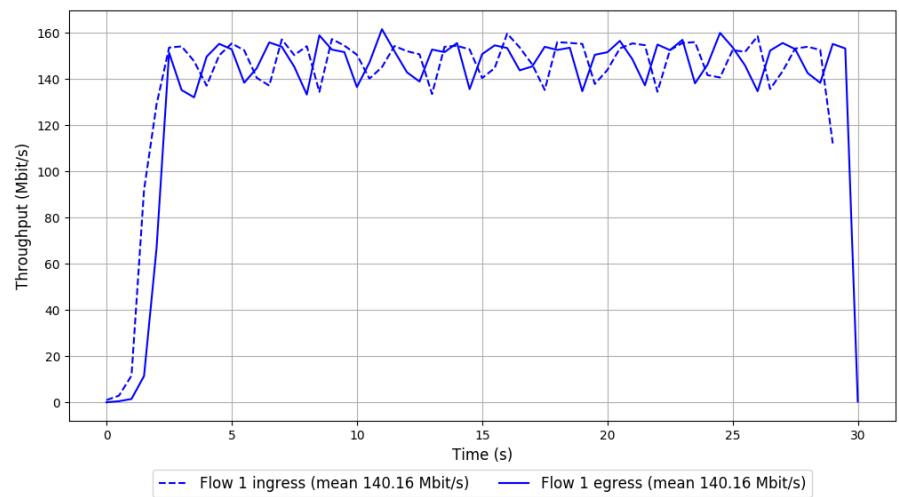


Run 3: Statistics of Indigo

Start at: 2018-08-09 00:41:14
End at: 2018-08-09 00:41:44
Local clock offset: 29.171 ms
Remote clock offset: 27.736 ms

Below is generated by plot.py at 2018-08-09 04:31:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.16 Mbit/s
95th percentile per-packet one-way delay: 118.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.16 Mbit/s
95th percentile per-packet one-way delay: 118.456 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

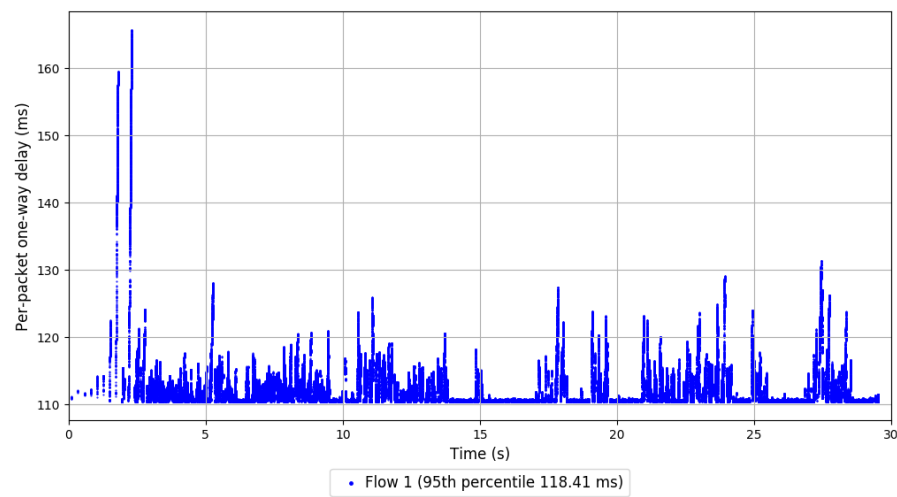
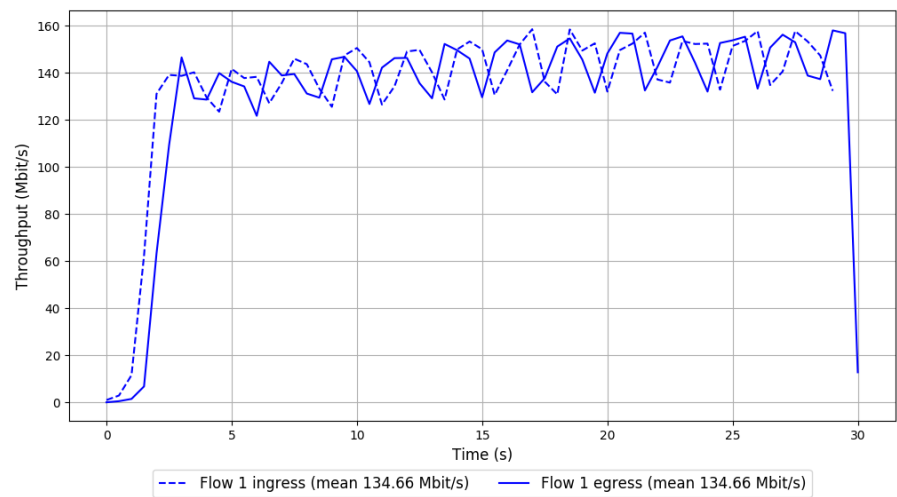


Run 4: Statistics of Indigo

Start at: 2018-08-09 01:03:31
End at: 2018-08-09 01:04:01
Local clock offset: 18.028 ms
Remote clock offset: 17.764 ms

Below is generated by plot.py at 2018-08-09 04:31:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.66 Mbit/s
95th percentile per-packet one-way delay: 118.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.66 Mbit/s
95th percentile per-packet one-way delay: 118.413 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

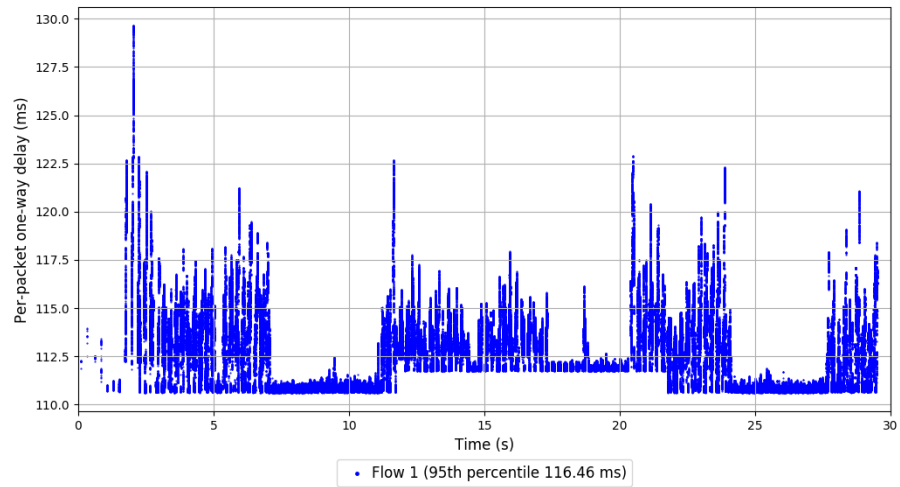
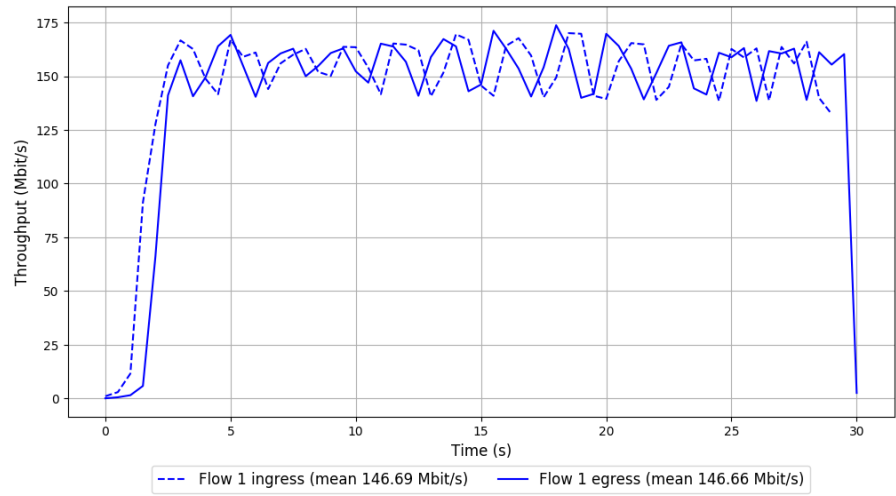


Run 5: Statistics of Indigo

Start at: 2018-08-09 01:25:31
End at: 2018-08-09 01:26:01
Local clock offset: 19.503 ms
Remote clock offset: 19.947 ms

Below is generated by plot.py at 2018-08-09 04:31:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.66 Mbit/s
95th percentile per-packet one-way delay: 116.459 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 146.66 Mbit/s
95th percentile per-packet one-way delay: 116.459 ms
Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-09 01:47:59

End at: 2018-08-09 01:48:29

Local clock offset: 7.397 ms

Remote clock offset: 7.745 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.62 Mbit/s

95th percentile per-packet one-way delay: 118.398 ms

Loss rate: 0.01%

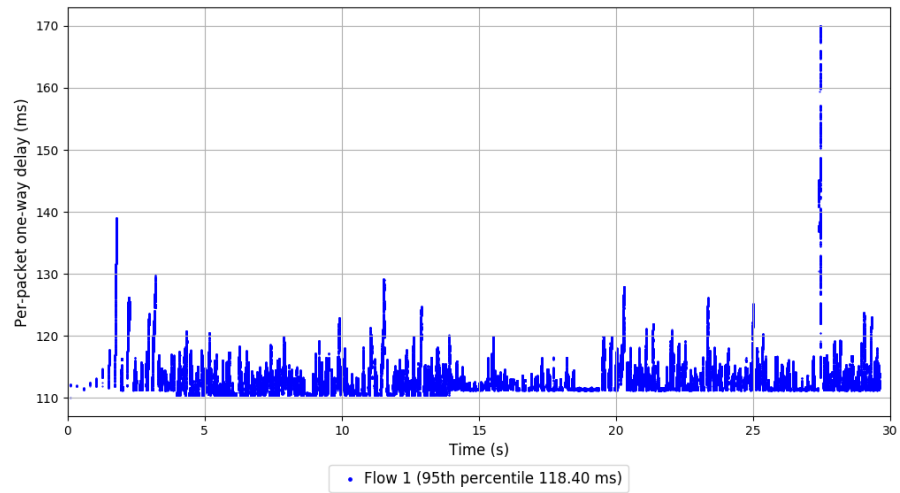
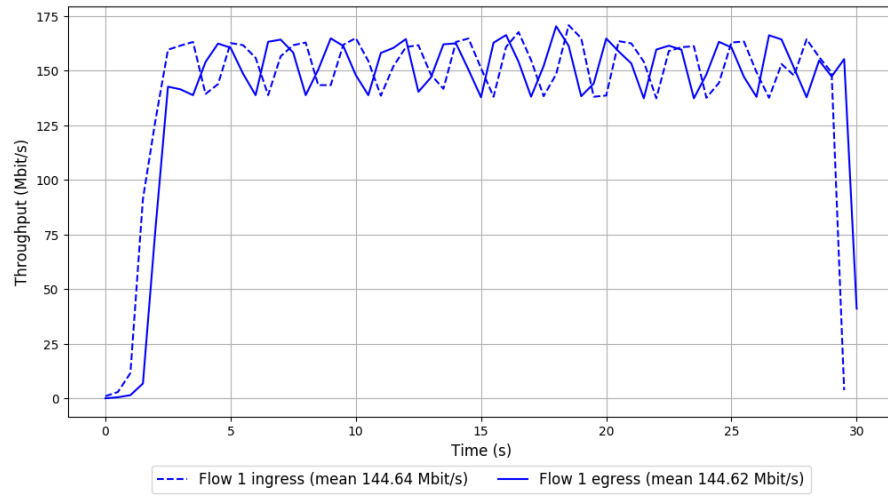
-- Flow 1:

Average throughput: 144.62 Mbit/s

95th percentile per-packet one-way delay: 118.398 ms

Loss rate: 0.01%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-09 02:10:28

End at: 2018-08-09 02:10:58

Local clock offset: 2.6 ms

Remote clock offset: 4.064 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.20 Mbit/s

95th percentile per-packet one-way delay: 120.011 ms

Loss rate: 0.00%

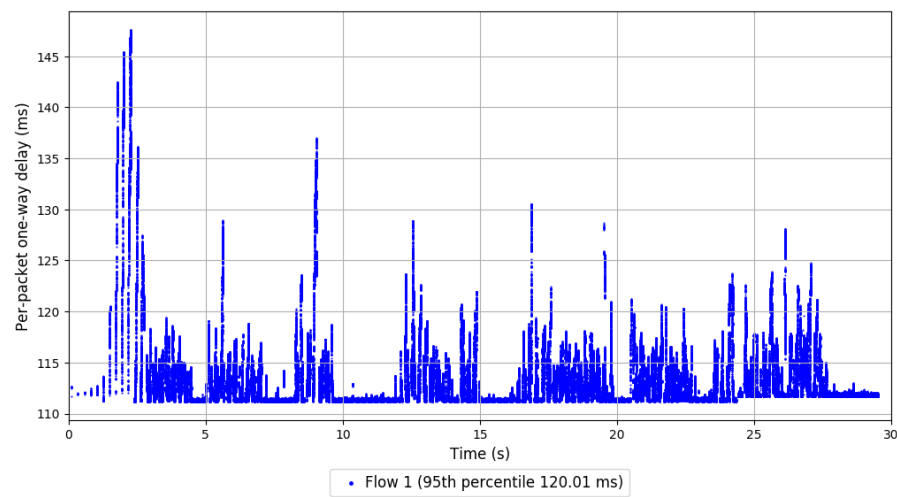
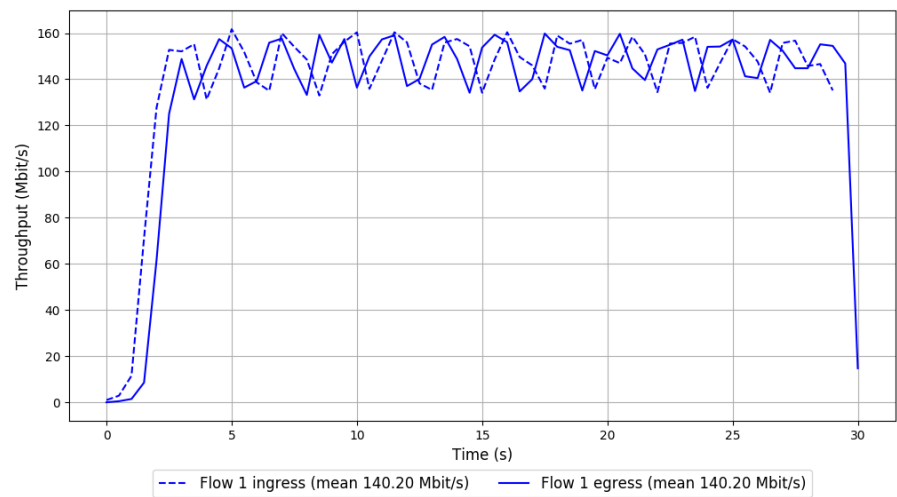
-- Flow 1:

Average throughput: 140.20 Mbit/s

95th percentile per-packet one-way delay: 120.011 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-09 02:32:32

End at: 2018-08-09 02:33:02

Local clock offset: 0.862 ms

Remote clock offset: 2.128 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.35 Mbit/s

95th percentile per-packet one-way delay: 117.735 ms

Loss rate: 0.00%

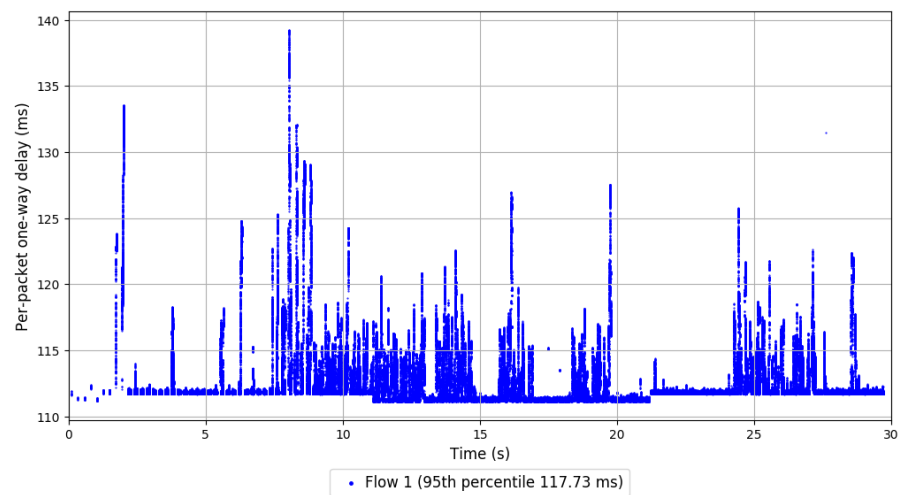
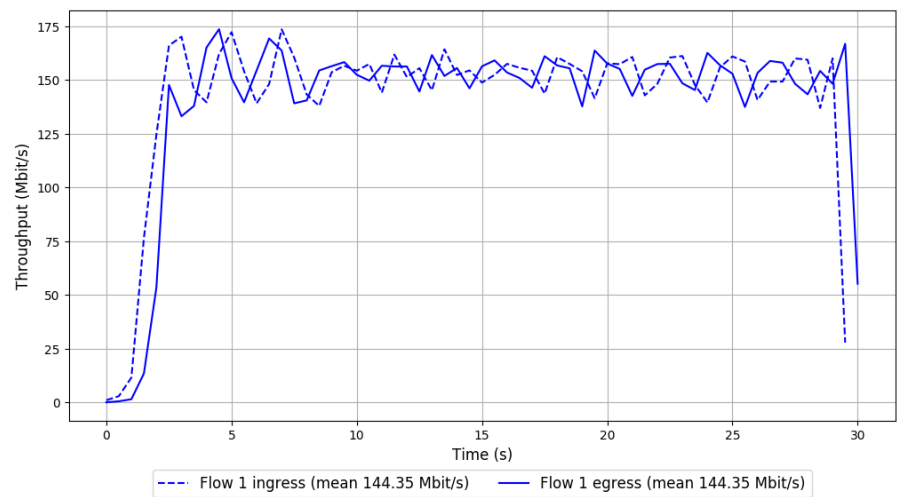
-- Flow 1:

Average throughput: 144.35 Mbit/s

95th percentile per-packet one-way delay: 117.735 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-09 02:55:09

End at: 2018-08-09 02:55:39

Local clock offset: 1.077 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.78 Mbit/s

95th percentile per-packet one-way delay: 115.614 ms

Loss rate: 0.00%

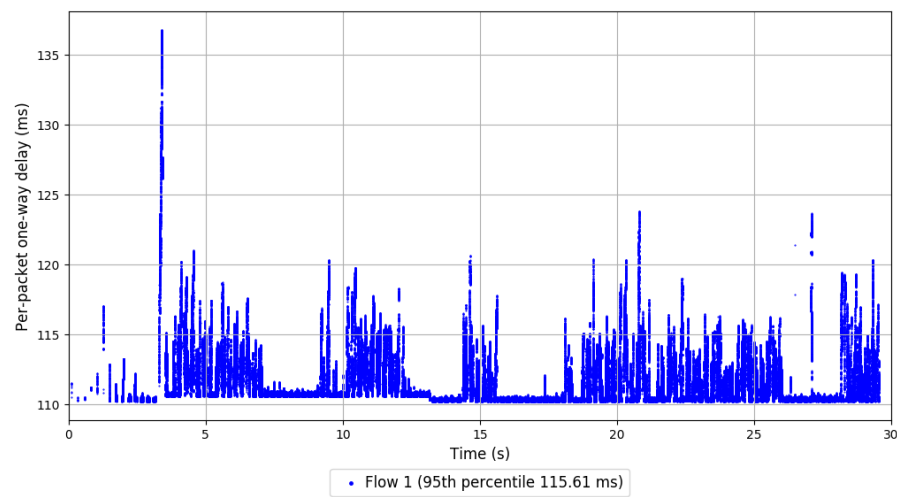
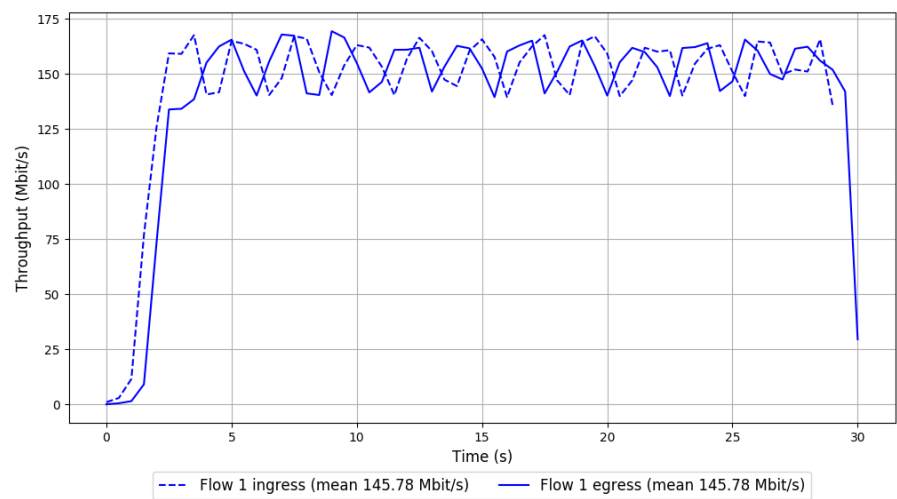
-- Flow 1:

Average throughput: 145.78 Mbit/s

95th percentile per-packet one-way delay: 115.614 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-09 03:17:13

End at: 2018-08-09 03:17:43

Local clock offset: -0.776 ms

Remote clock offset: 0.53 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.92 Mbit/s

95th percentile per-packet one-way delay: 118.168 ms

Loss rate: 0.00%

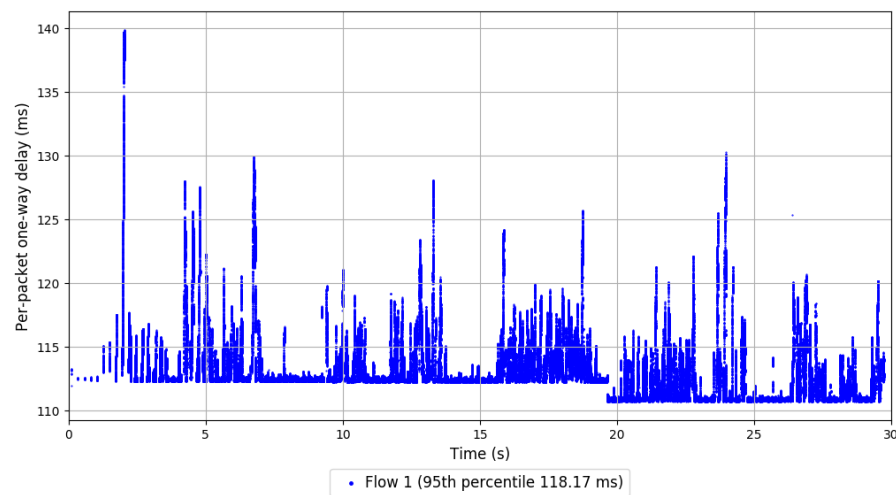
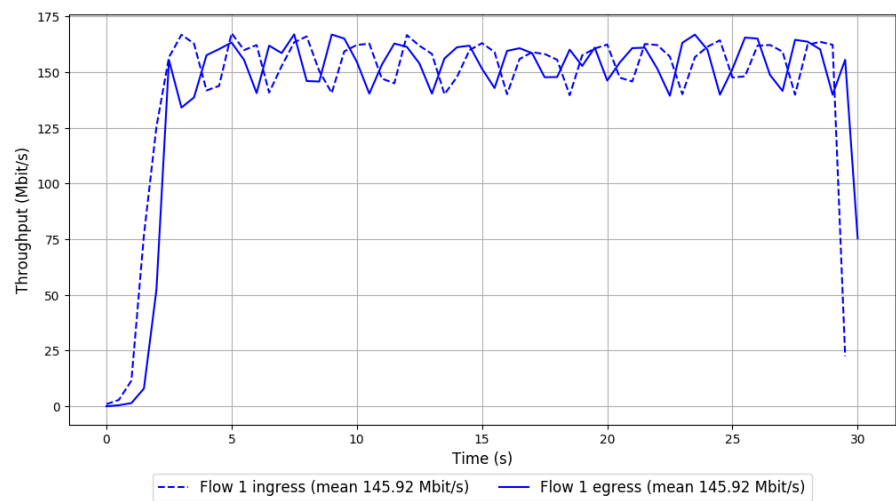
-- Flow 1:

Average throughput: 145.92 Mbit/s

95th percentile per-packet one-way delay: 118.168 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

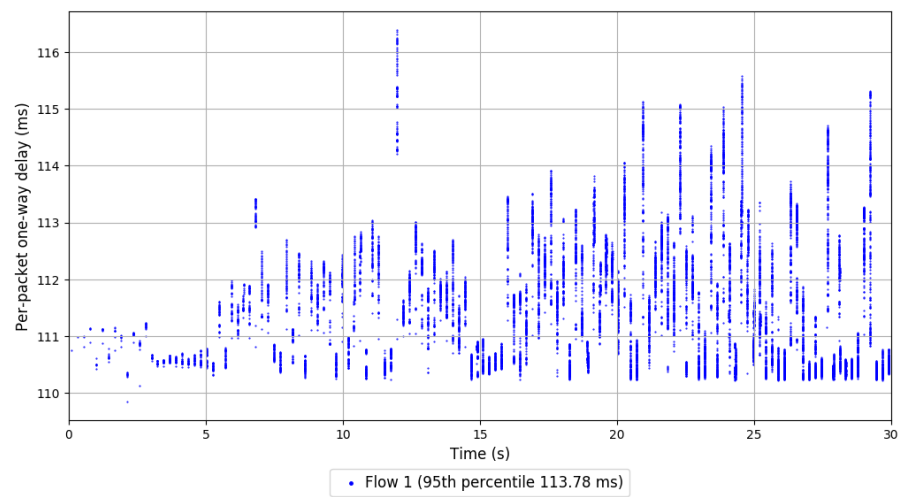
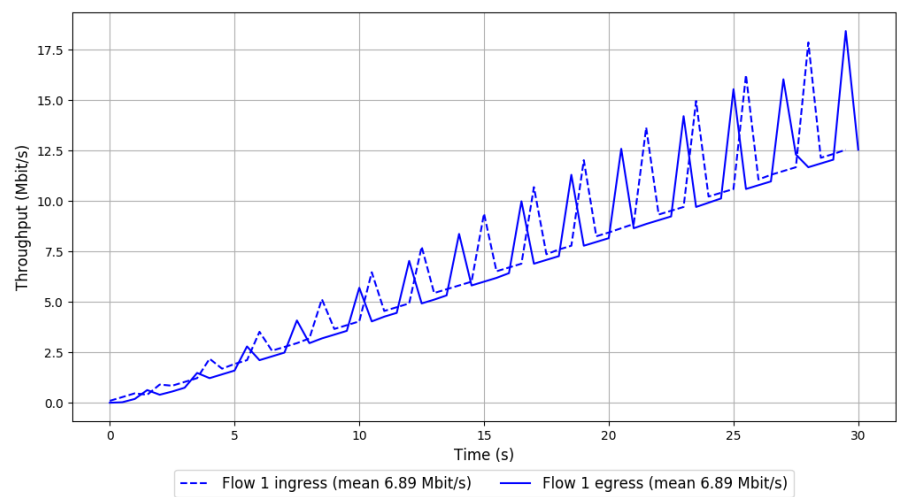


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-08 23:51:33
End at: 2018-08-08 23:52:03
Local clock offset: 8.406 ms
Remote clock offset: 7.014 ms

# Below is generated by plot.py at 2018-08-09 04:31:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 113.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 113.778 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

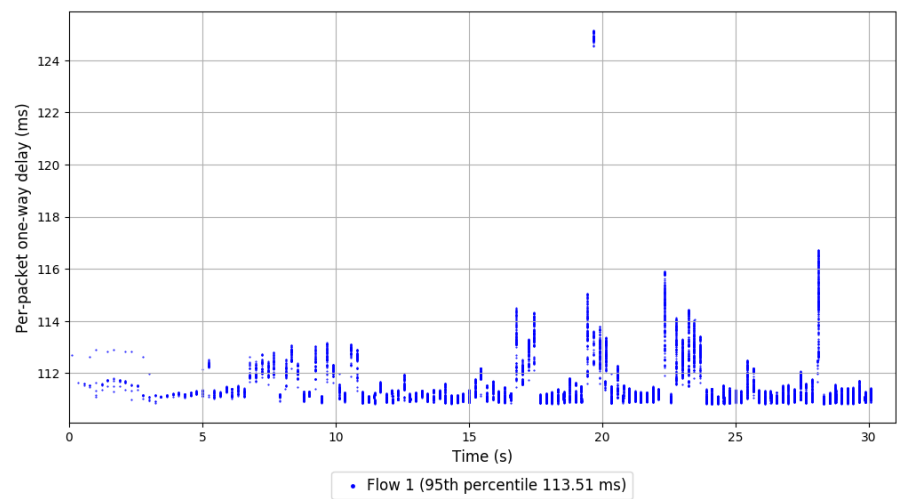
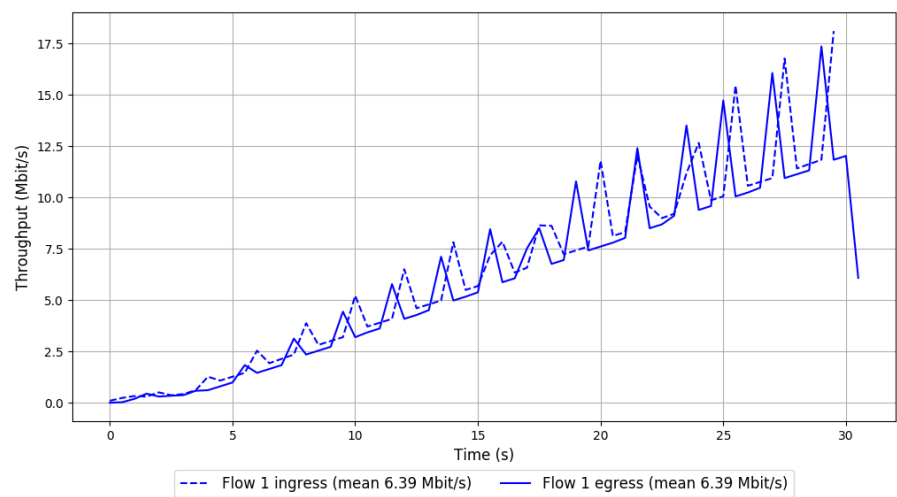


Run 2: Statistics of LEDBAT

Start at: 2018-08-09 00:14:12
End at: 2018-08-09 00:14:42
Local clock offset: 19.708 ms
Remote clock offset: 20.617 ms

Below is generated by plot.py at 2018-08-09 04:31:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 113.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 113.508 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

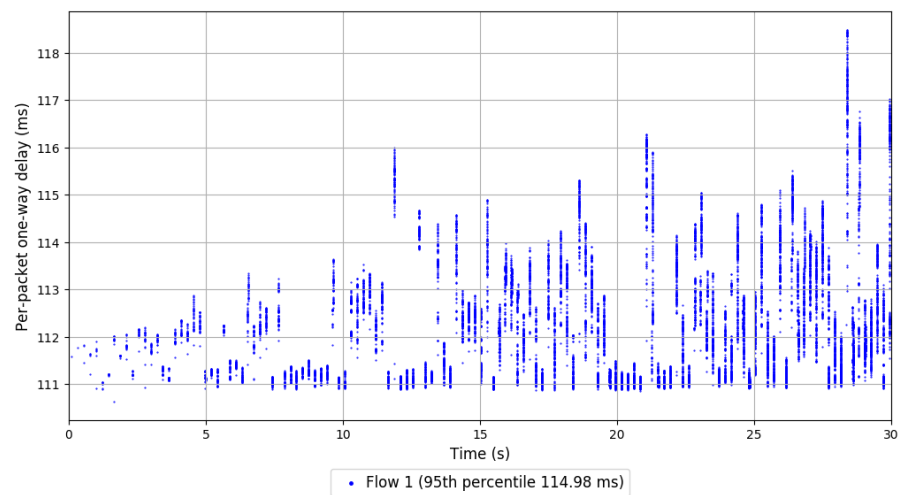
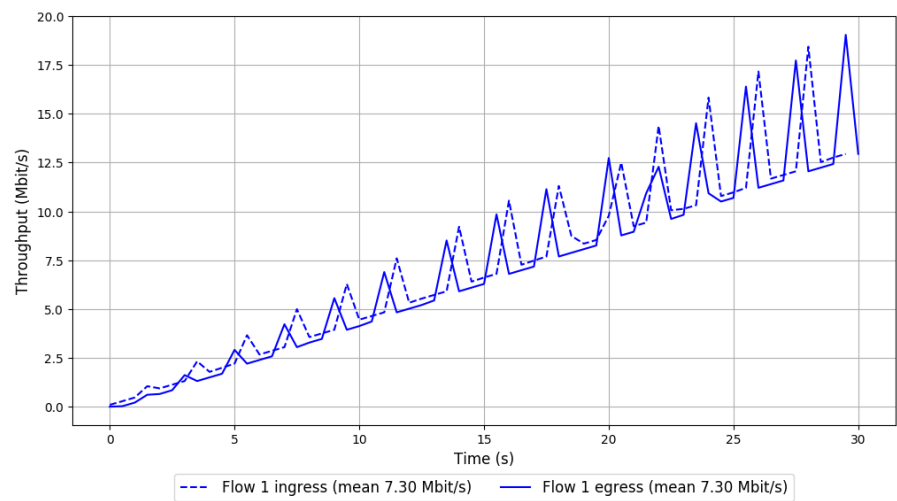


Run 3: Statistics of LEDBAT

Start at: 2018-08-09 00:36:22
End at: 2018-08-09 00:36:52
Local clock offset: 23.775 ms
Remote clock offset: 23.748 ms

Below is generated by plot.py at 2018-08-09 04:31:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 114.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 114.983 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

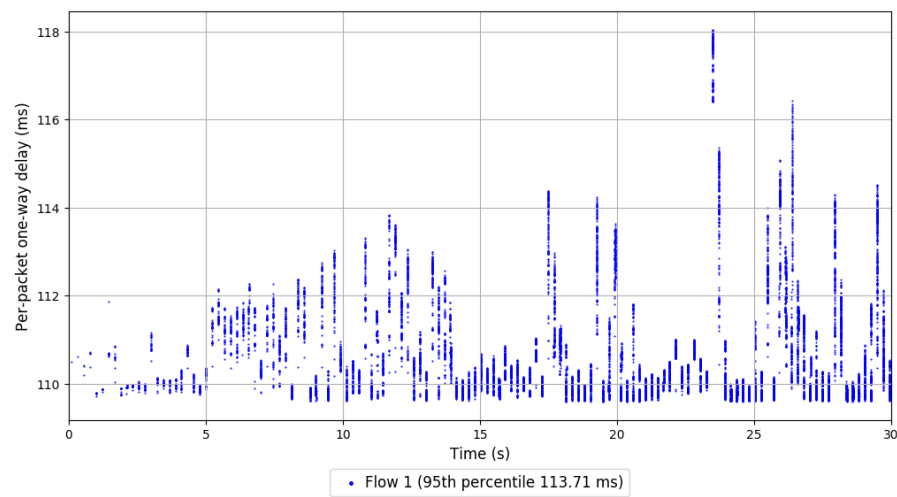
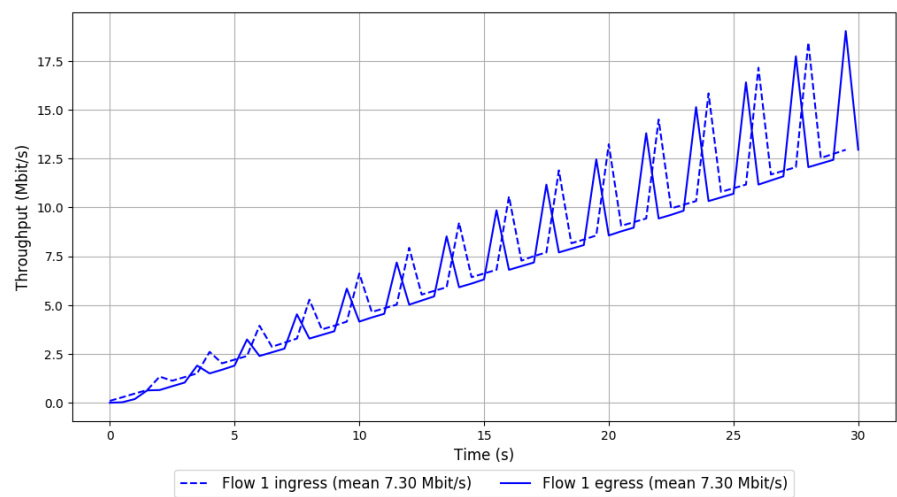


Run 4: Statistics of LEDBAT

Start at: 2018-08-09 00:58:38
End at: 2018-08-09 00:59:08
Local clock offset: 25.863 ms
Remote clock offset: 24.965 ms

Below is generated by plot.py at 2018-08-09 04:31:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 113.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 113.706 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

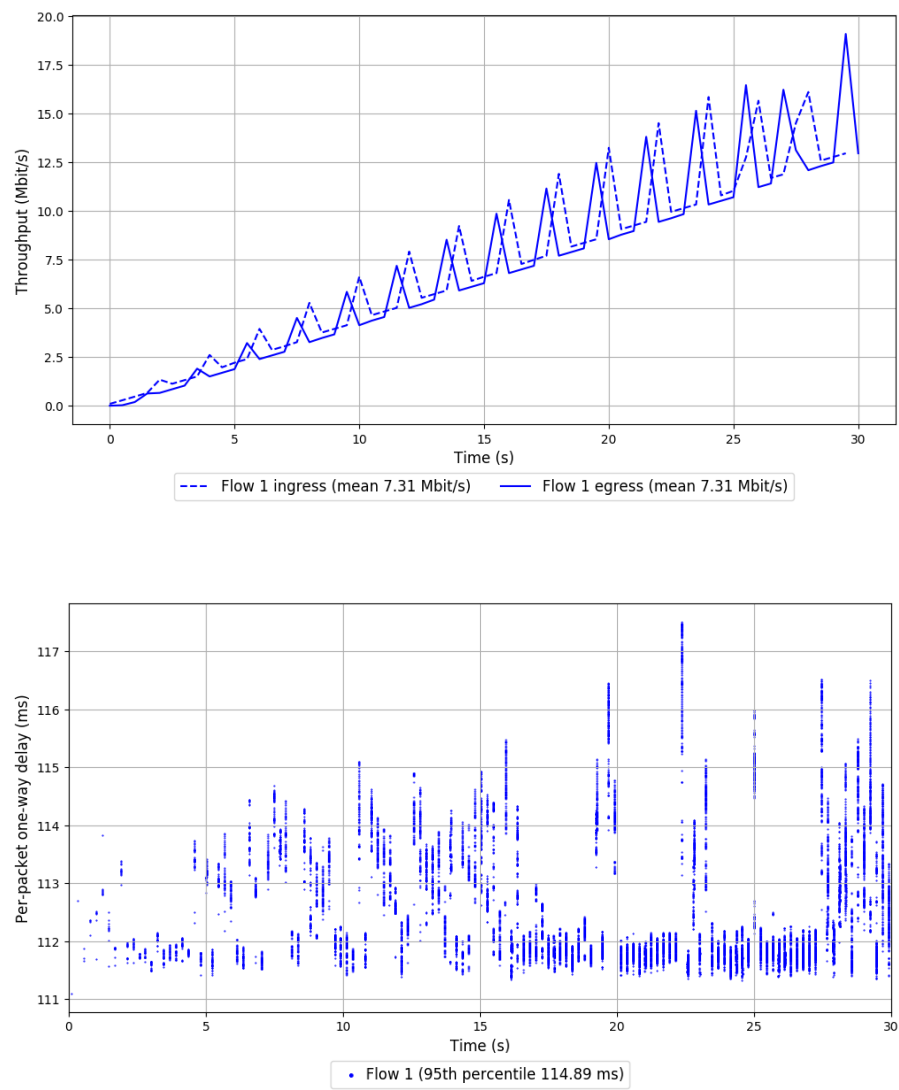


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 01:20:35
End at: 2018-08-09 01:21:05
Local clock offset: 17.093 ms
Remote clock offset: 17.654 ms

Below is generated by plot.py at 2018-08-09 04:31:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 114.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 114.889 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-09 01:43:15

End at: 2018-08-09 01:43:45

Local clock offset: 8.546 ms

Remote clock offset: 8.004 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 114.327 ms

Loss rate: 0.00%

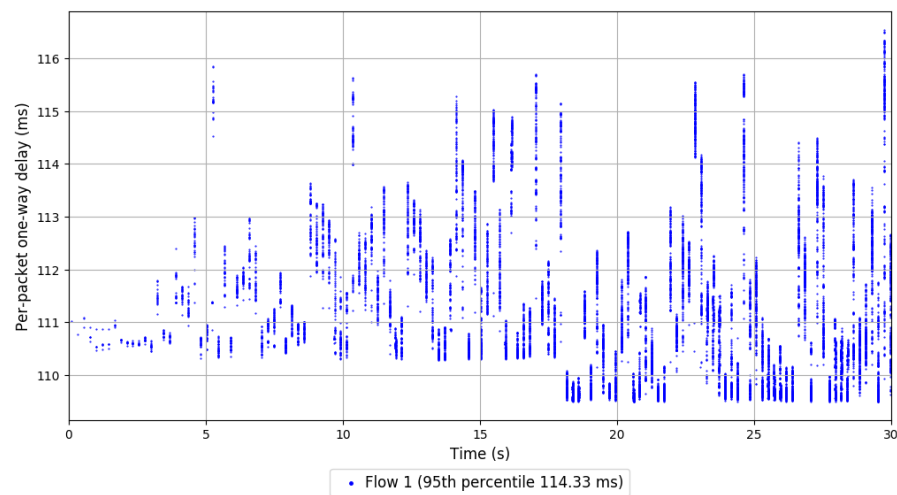
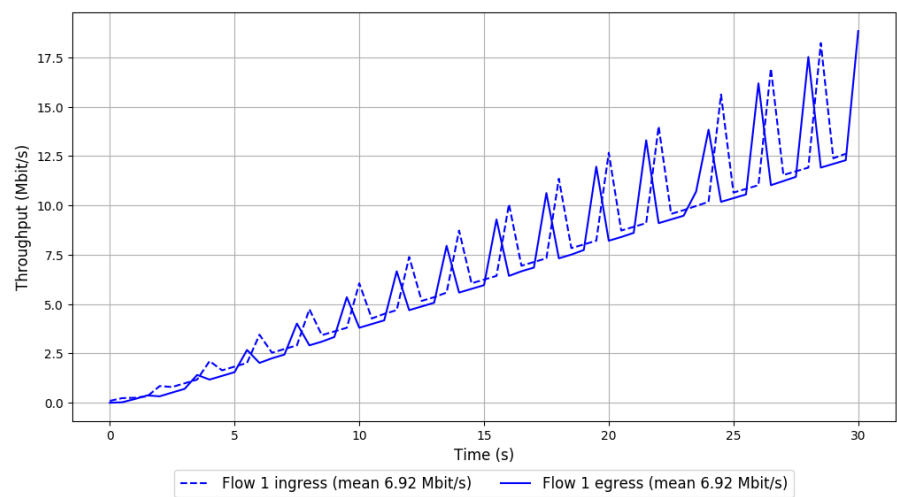
-- Flow 1:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 114.327 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-09 02:05:32

End at: 2018-08-09 02:06:02

Local clock offset: 6.369 ms

Remote clock offset: 6.924 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 113.462 ms

Loss rate: 0.00%

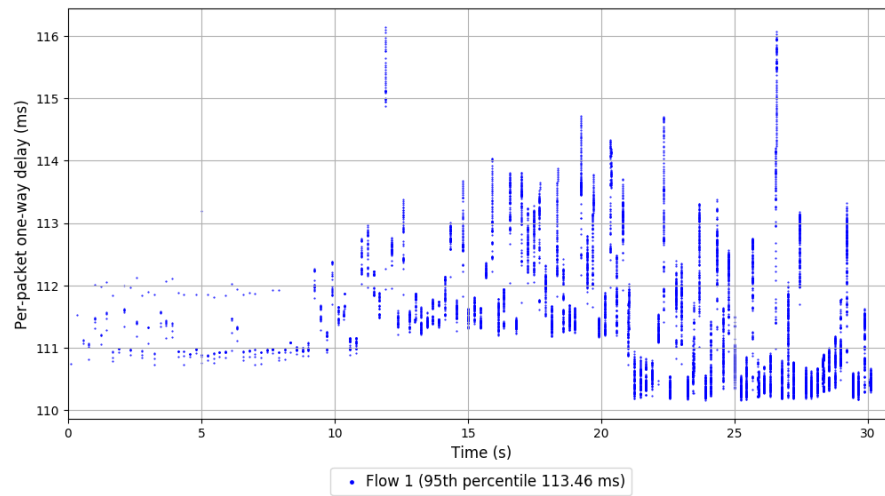
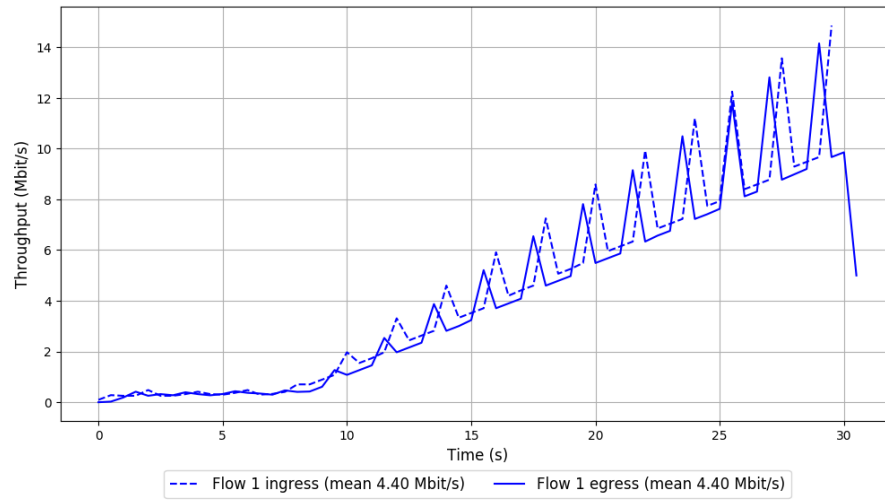
-- Flow 1:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 113.462 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-09 02:27:36

End at: 2018-08-09 02:28:06

Local clock offset: 2.051 ms

Remote clock offset: 2.036 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 113.507 ms

Loss rate: 0.00%

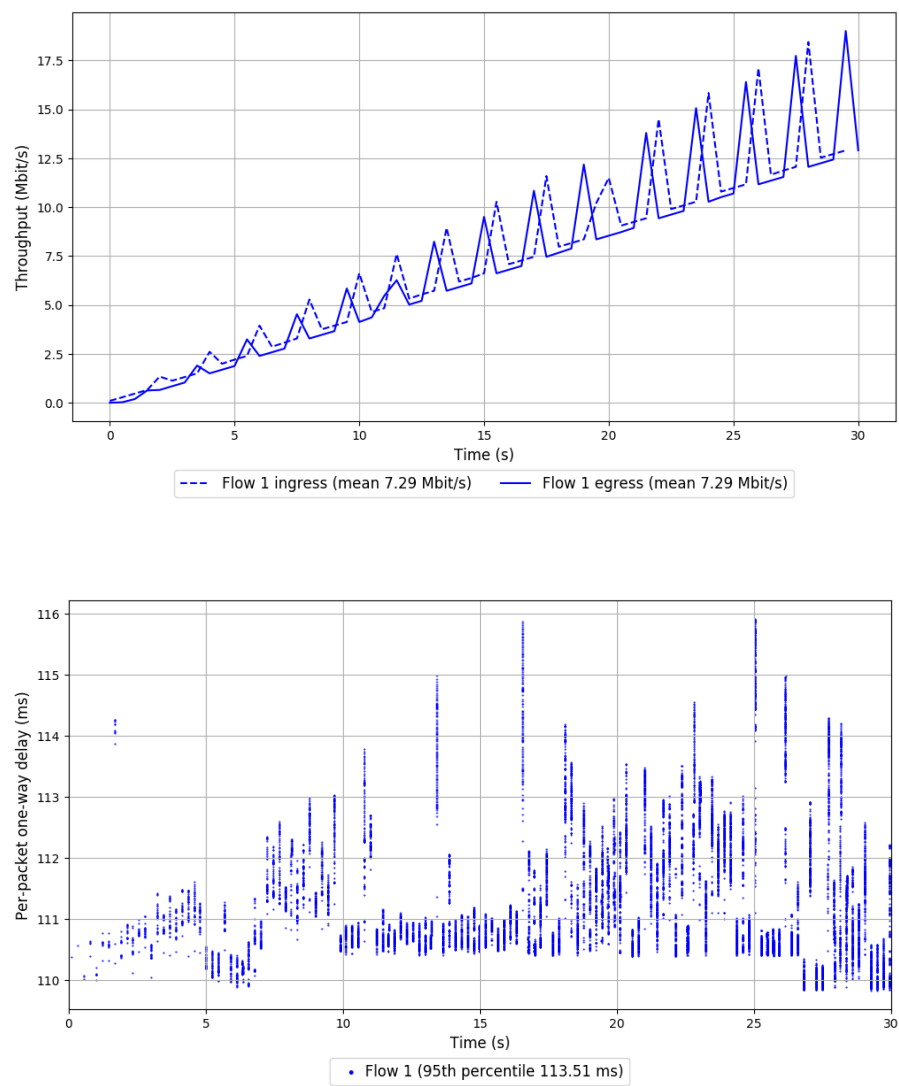
-- Flow 1:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 113.507 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-09 02:50:14

End at: 2018-08-09 02:50:44

Local clock offset: 1.885 ms

Remote clock offset: 0.597 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 112.702 ms

Loss rate: 0.00%

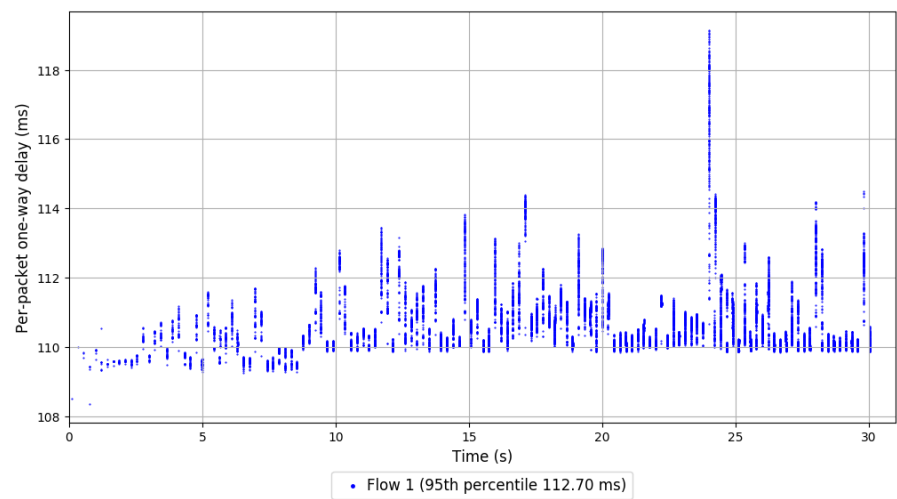
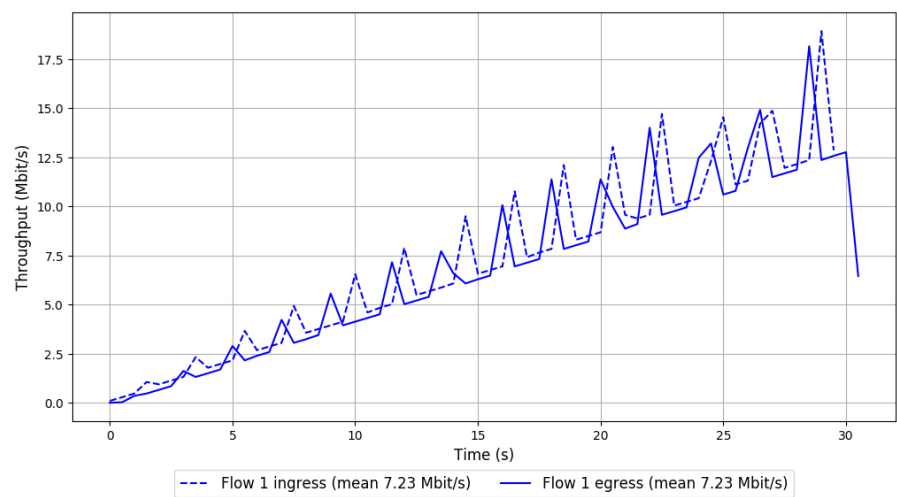
-- Flow 1:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 112.702 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-09 03:12:29

End at: 2018-08-09 03:12:59

Local clock offset: 0.426 ms

Remote clock offset: 1.11 ms

Below is generated by plot.py at 2018-08-09 04:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 114.887 ms

Loss rate: 0.00%

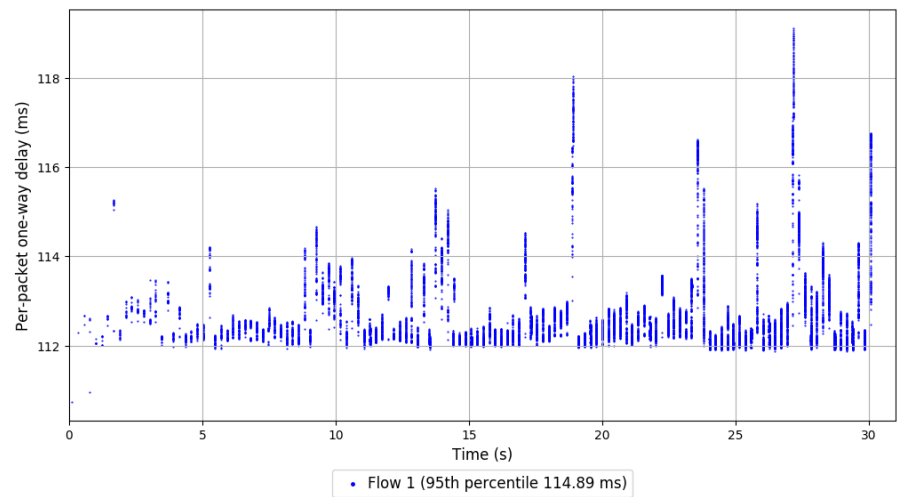
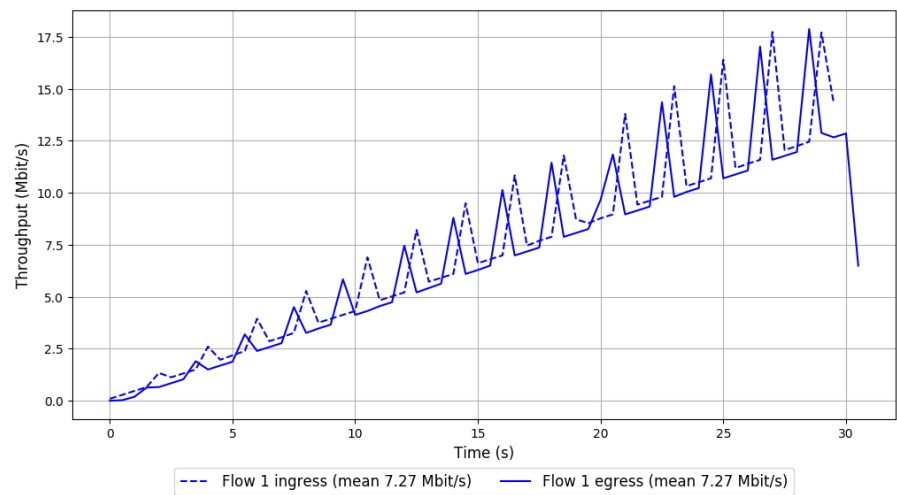
-- Flow 1:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 114.887 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

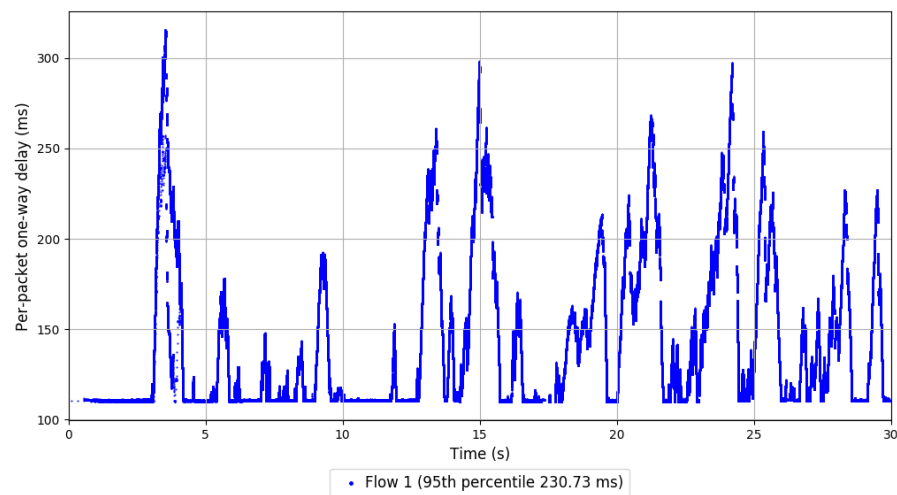
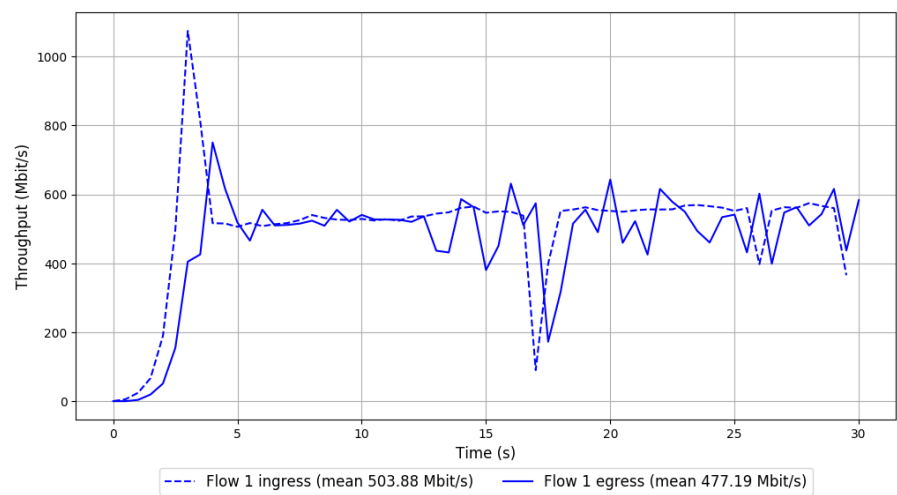


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 00:04:59
End at: 2018-08-09 00:05:29
Local clock offset: 13.756 ms
Remote clock offset: 13.621 ms

# Below is generated by plot.py at 2018-08-09 04:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 477.19 Mbit/s
95th percentile per-packet one-way delay: 230.729 ms
Loss rate: 5.30%
-- Flow 1:
Average throughput: 477.19 Mbit/s
95th percentile per-packet one-way delay: 230.729 ms
Loss rate: 5.30%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 00:27:24

End at: 2018-08-09 00:27:54

Local clock offset: 21.097 ms

Remote clock offset: 19.929 ms

Below is generated by plot.py at 2018-08-09 04:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.93 Mbit/s

95th percentile per-packet one-way delay: 219.132 ms

Loss rate: 2.24%

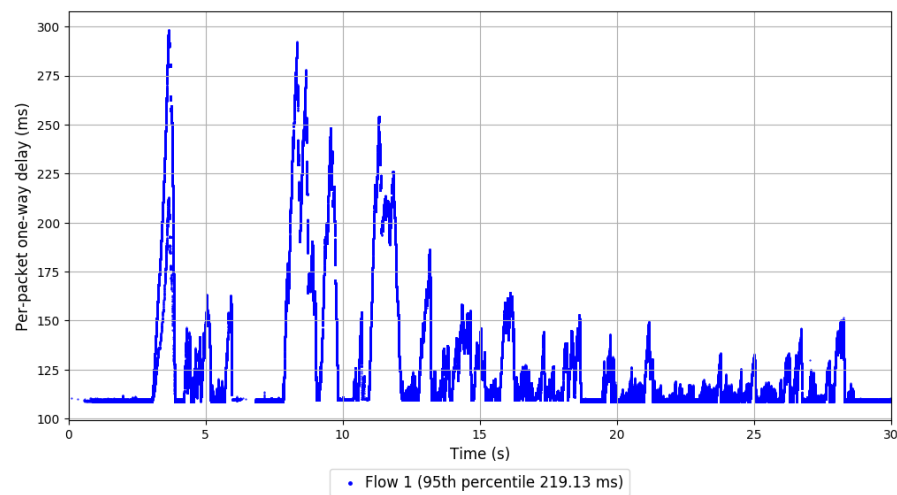
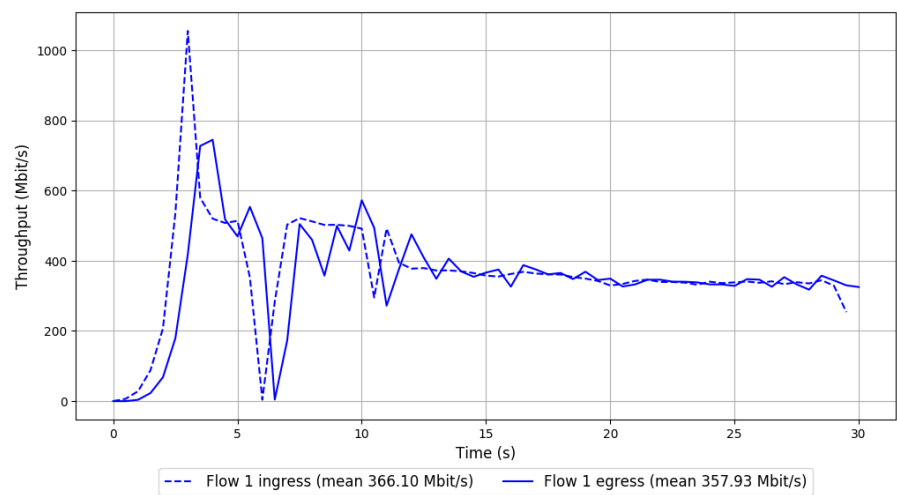
-- Flow 1:

Average throughput: 357.93 Mbit/s

95th percentile per-packet one-way delay: 219.132 ms

Loss rate: 2.24%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 00:49:33

End at: 2018-08-09 00:50:03

Local clock offset: 36.269 ms

Remote clock offset: 36.402 ms

Below is generated by plot.py at 2018-08-09 04:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.92 Mbit/s

95th percentile per-packet one-way delay: 131.904 ms

Loss rate: 1.06%

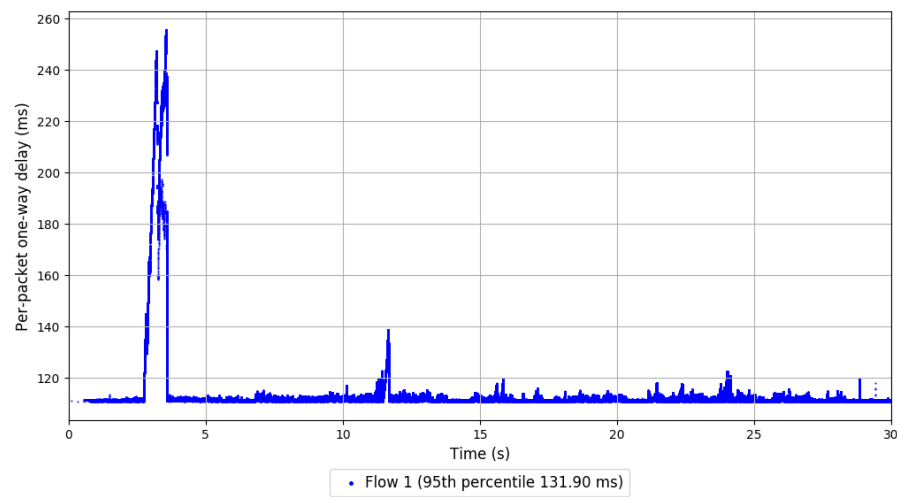
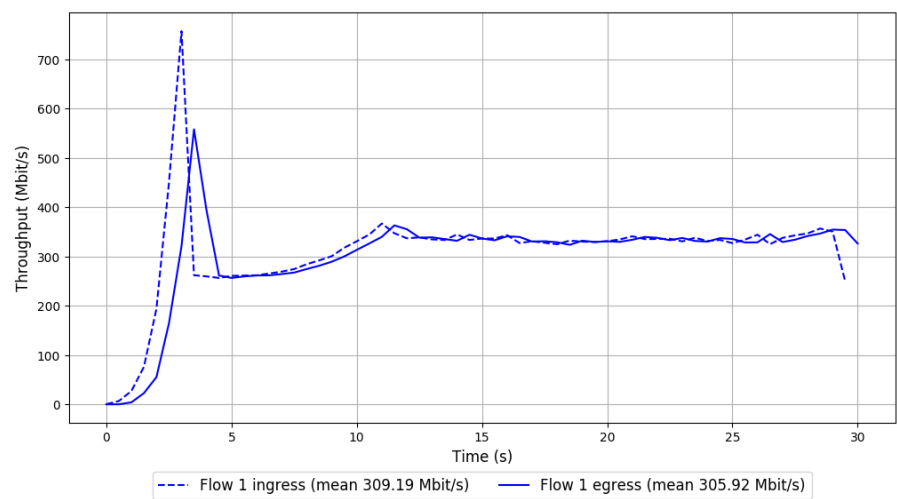
-- Flow 1:

Average throughput: 305.92 Mbit/s

95th percentile per-packet one-way delay: 131.904 ms

Loss rate: 1.06%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 01:11:36

End at: 2018-08-09 01:12:06

Local clock offset: 14.079 ms

Remote clock offset: 15.378 ms

Below is generated by plot.py at 2018-08-09 04:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.43 Mbit/s

95th percentile per-packet one-way delay: 122.911 ms

Loss rate: 2.74%

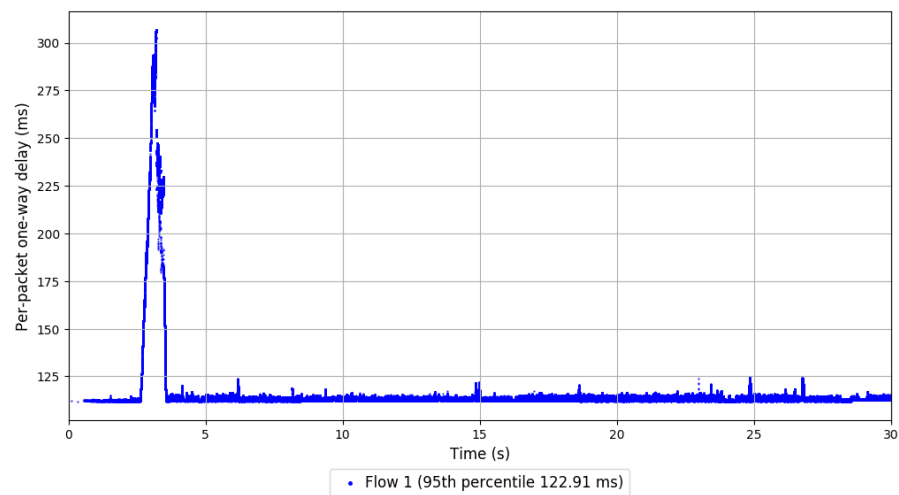
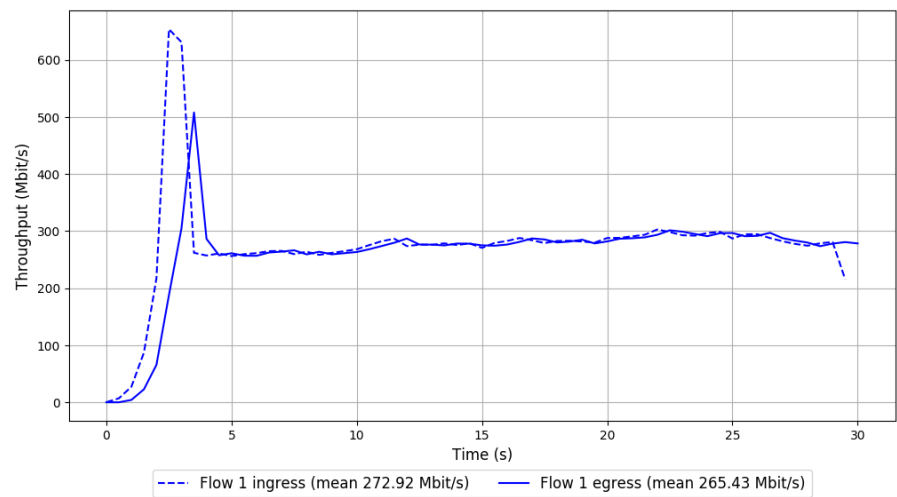
-- Flow 1:

Average throughput: 265.43 Mbit/s

95th percentile per-packet one-way delay: 122.911 ms

Loss rate: 2.74%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 01:33:56

End at: 2018-08-09 01:34:26

Local clock offset: 10.086 ms

Remote clock offset: 11.401 ms

Below is generated by plot.py at 2018-08-09 04:37:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 491.67 Mbit/s

95th percentile per-packet one-way delay: 211.790 ms

Loss rate: 2.68%

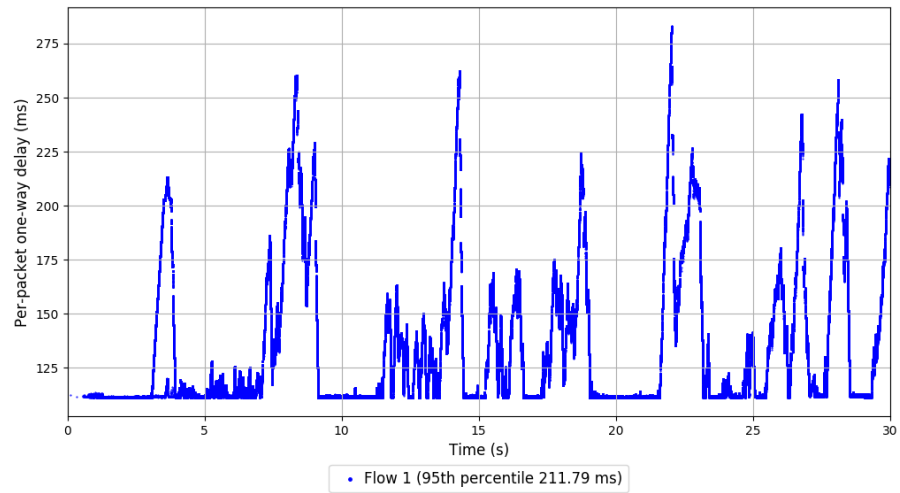
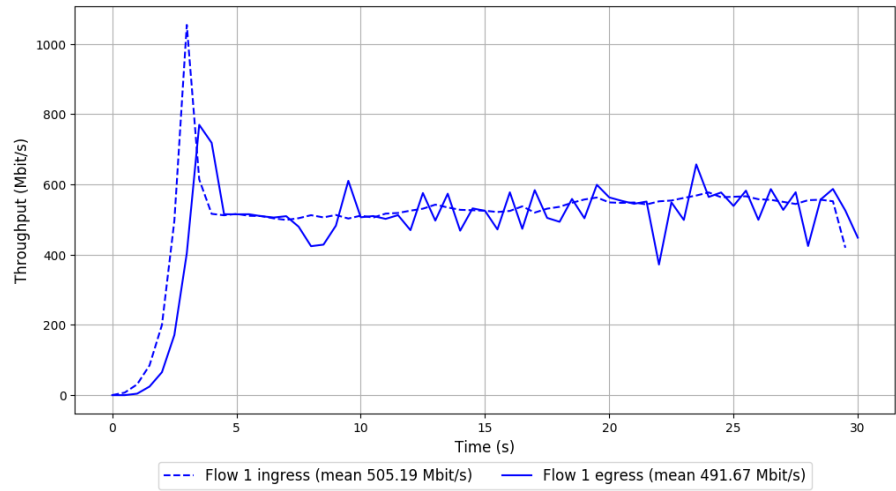
-- Flow 1:

Average throughput: 491.67 Mbit/s

95th percentile per-packet one-way delay: 211.790 ms

Loss rate: 2.68%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 01:56:26

End at: 2018-08-09 01:56:56

Local clock offset: 8.459 ms

Remote clock offset: 8.906 ms

Below is generated by plot.py at 2018-08-09 04:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 425.25 Mbit/s

95th percentile per-packet one-way delay: 282.093 ms

Loss rate: 10.30%

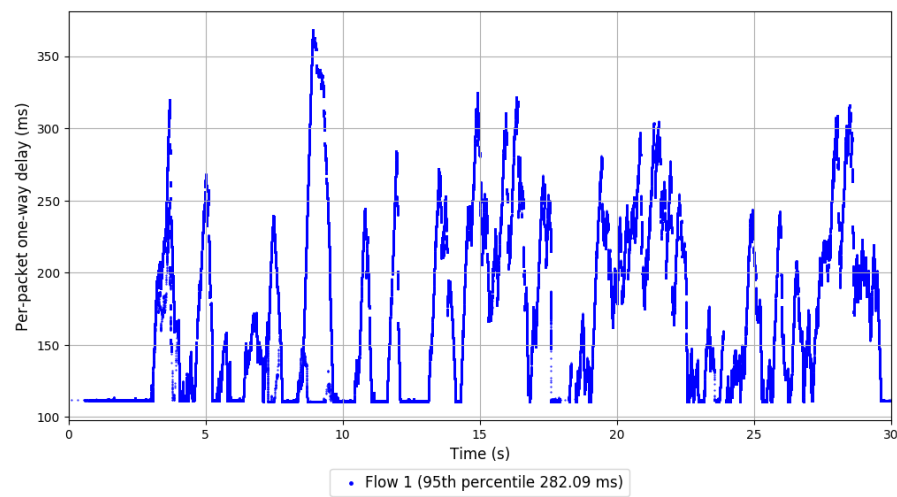
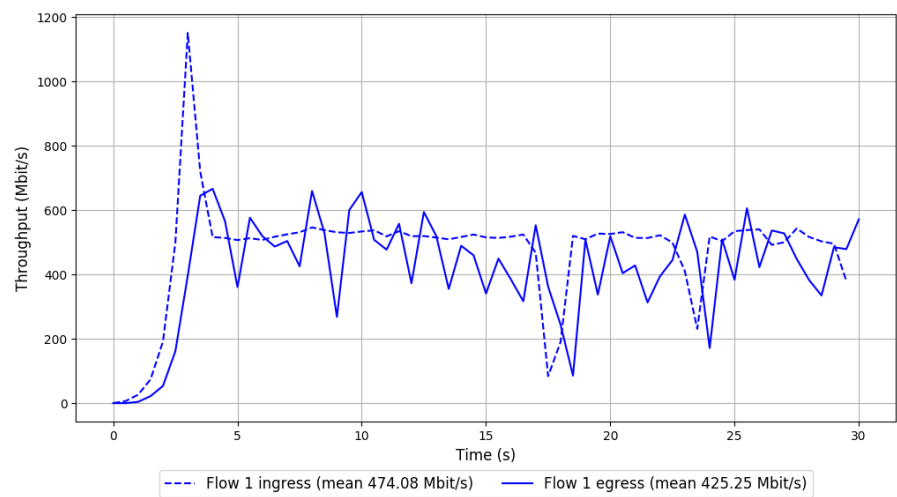
-- Flow 1:

Average throughput: 425.25 Mbit/s

95th percentile per-packet one-way delay: 282.093 ms

Loss rate: 10.30%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 02:18:36

End at: 2018-08-09 02:19:06

Local clock offset: 2.685 ms

Remote clock offset: 2.324 ms

Below is generated by plot.py at 2018-08-09 04:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 296.79 Mbit/s

95th percentile per-packet one-way delay: 148.558 ms

Loss rate: 2.12%

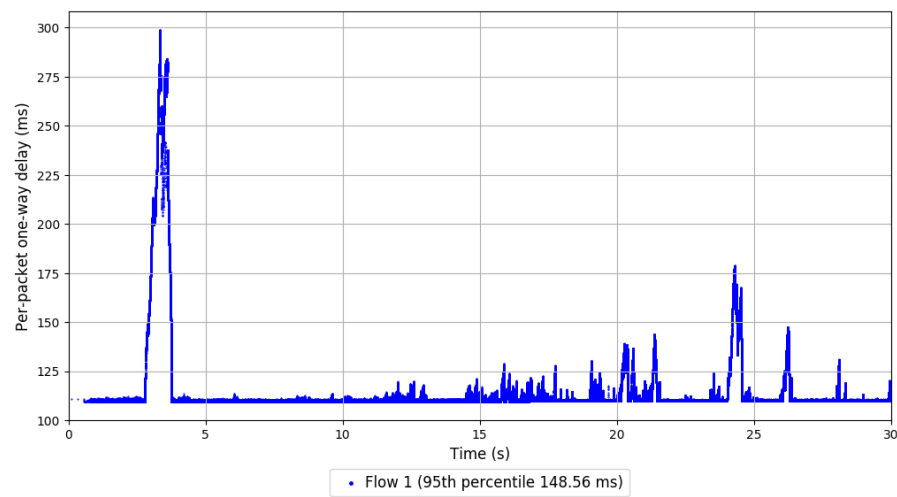
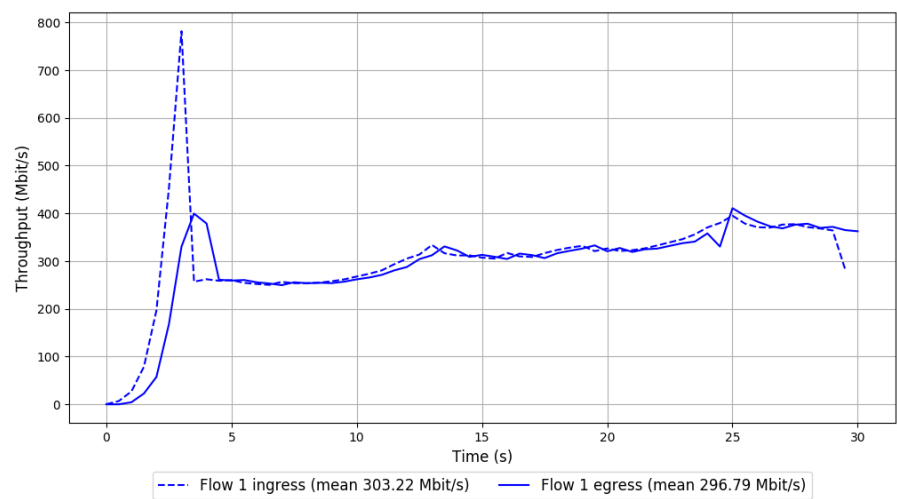
-- Flow 1:

Average throughput: 296.79 Mbit/s

95th percentile per-packet one-way delay: 148.558 ms

Loss rate: 2.12%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 02:41:00

End at: 2018-08-09 02:41:30

Local clock offset: 1.354 ms

Remote clock offset: 1.229 ms

Below is generated by plot.py at 2018-08-09 04:40:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 536.60 Mbit/s

95th percentile per-packet one-way delay: 230.334 ms

Loss rate: 7.88%

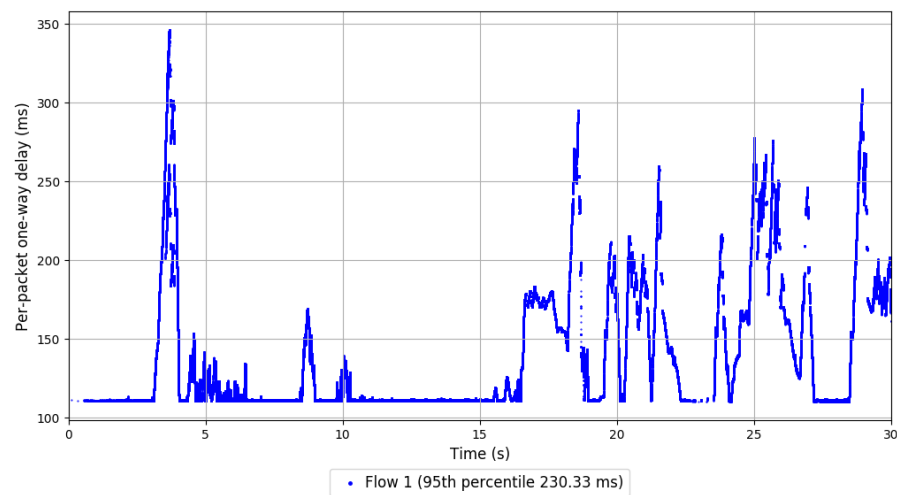
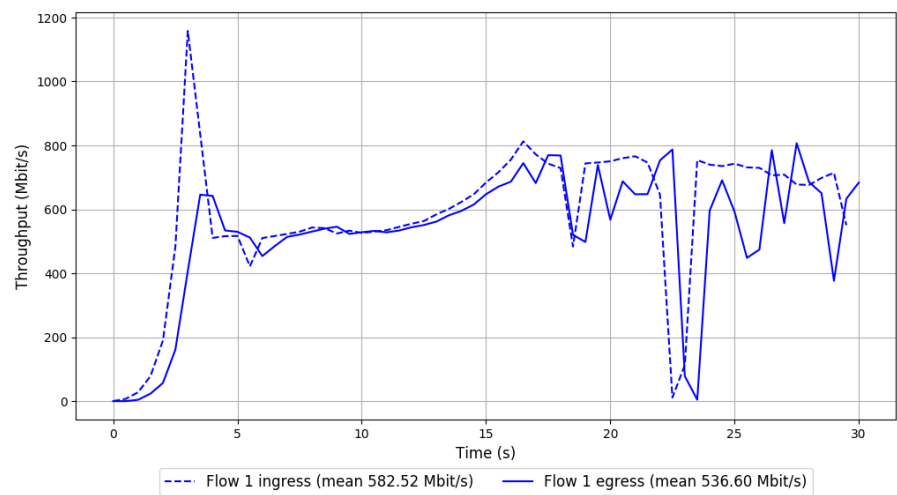
-- Flow 1:

Average throughput: 536.60 Mbit/s

95th percentile per-packet one-way delay: 230.334 ms

Loss rate: 7.88%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 03:03:26

End at: 2018-08-09 03:03:56

Local clock offset: 0.794 ms

Remote clock offset: 0.612 ms

Below is generated by plot.py at 2018-08-09 04:40:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 452.58 Mbit/s

95th percentile per-packet one-way delay: 203.757 ms

Loss rate: 2.18%

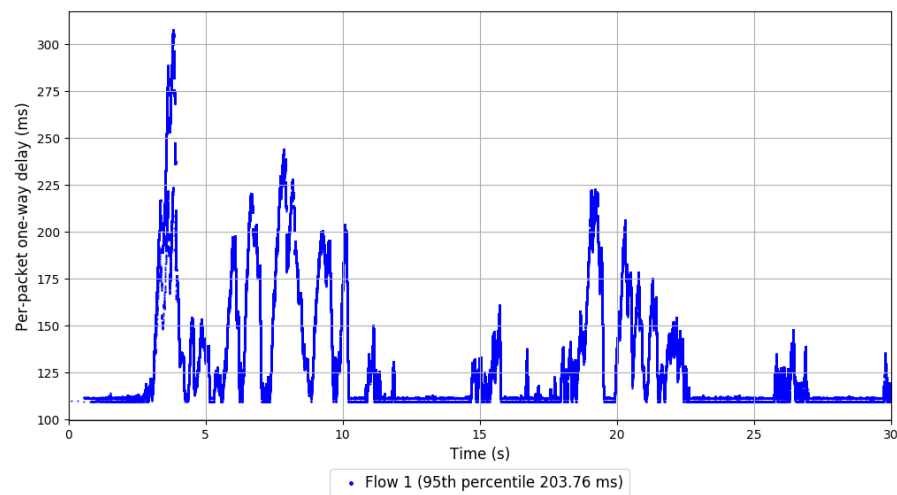
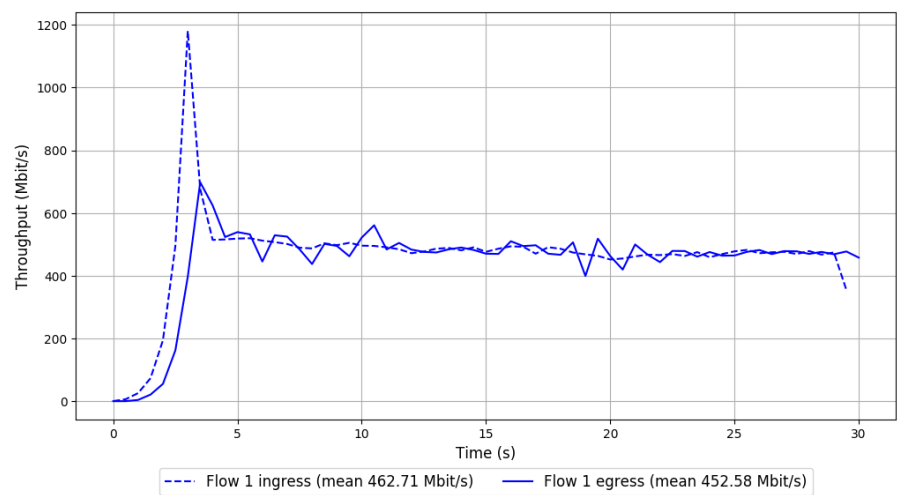
-- Flow 1:

Average throughput: 452.58 Mbit/s

95th percentile per-packet one-way delay: 203.757 ms

Loss rate: 2.18%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 03:25:35

End at: 2018-08-09 03:26:05

Local clock offset: -0.676 ms

Remote clock offset: 0.887 ms

Below is generated by plot.py at 2018-08-09 04:41:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 419.72 Mbit/s

95th percentile per-packet one-way delay: 268.996 ms

Loss rate: 10.17%

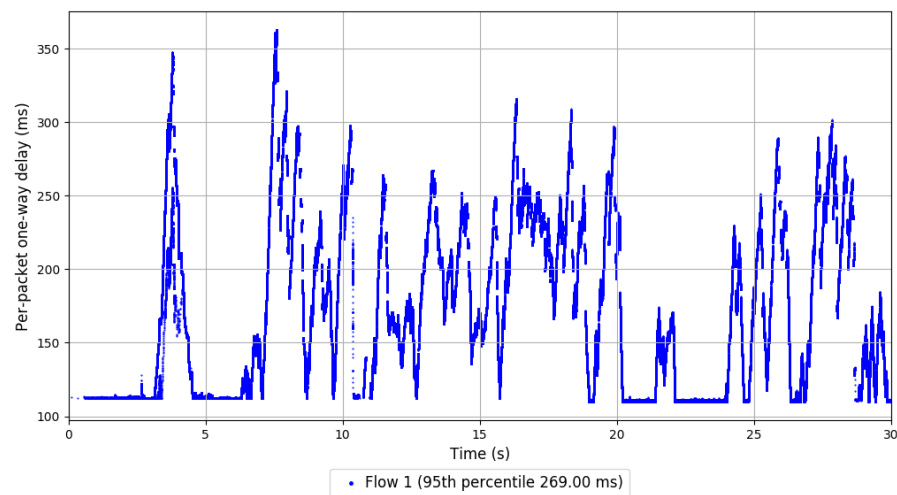
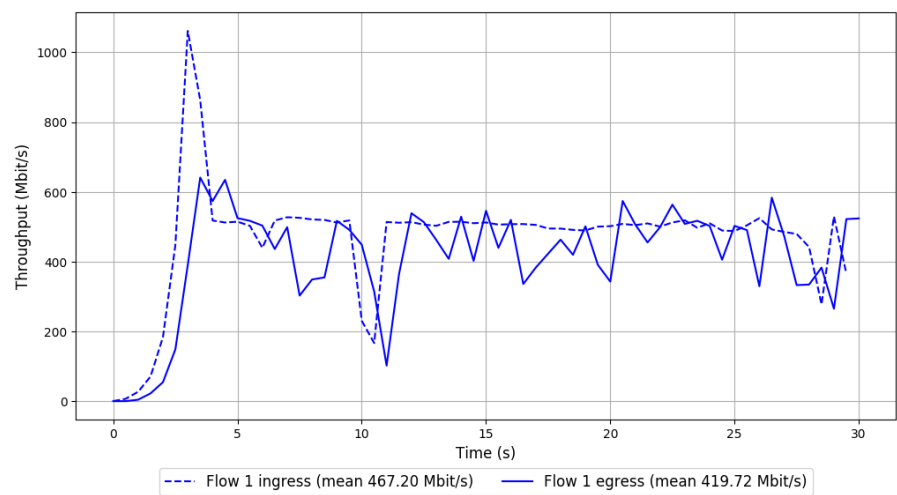
-- Flow 1:

Average throughput: 419.72 Mbit/s

95th percentile per-packet one-way delay: 268.996 ms

Loss rate: 10.17%

Run 10: Report of PCC-Allegro — Data Link

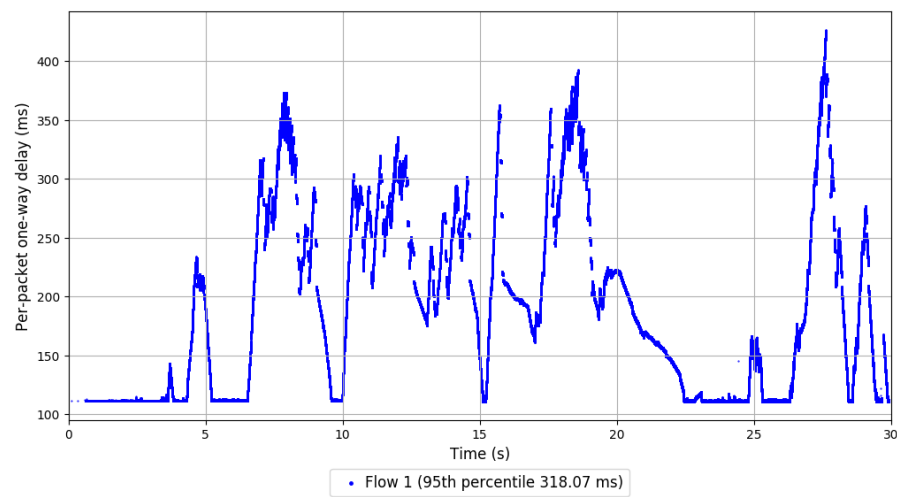
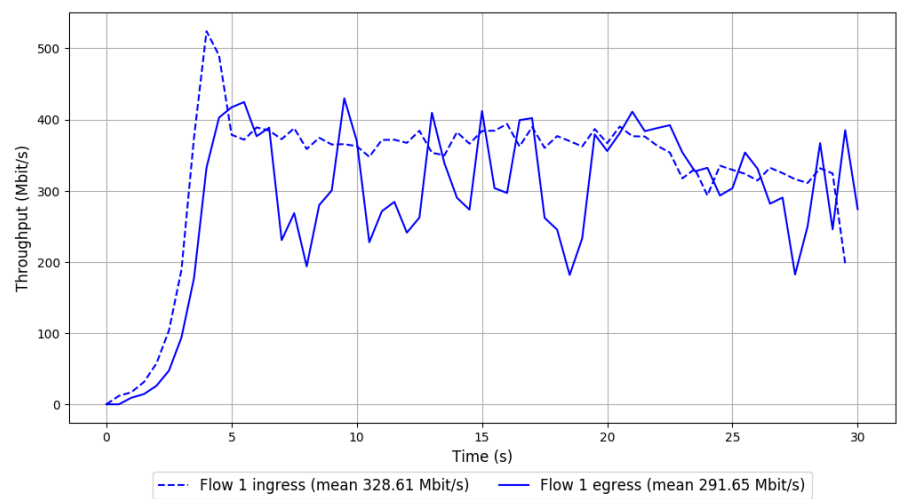


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 00:00:38
End at: 2018-08-09 00:01:08
Local clock offset: 15.184 ms
Remote clock offset: 15.37 ms

# Below is generated by plot.py at 2018-08-09 04:43:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 291.65 Mbit/s
95th percentile per-packet one-way delay: 318.074 ms
Loss rate: 11.25%
-- Flow 1:
Average throughput: 291.65 Mbit/s
95th percentile per-packet one-way delay: 318.074 ms
Loss rate: 11.25%
```

Run 1: Report of PCC-Expr — Data Link

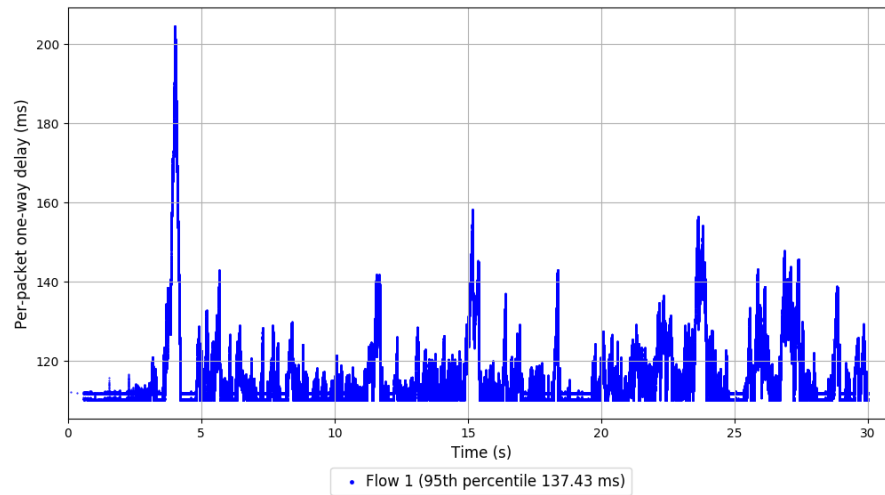
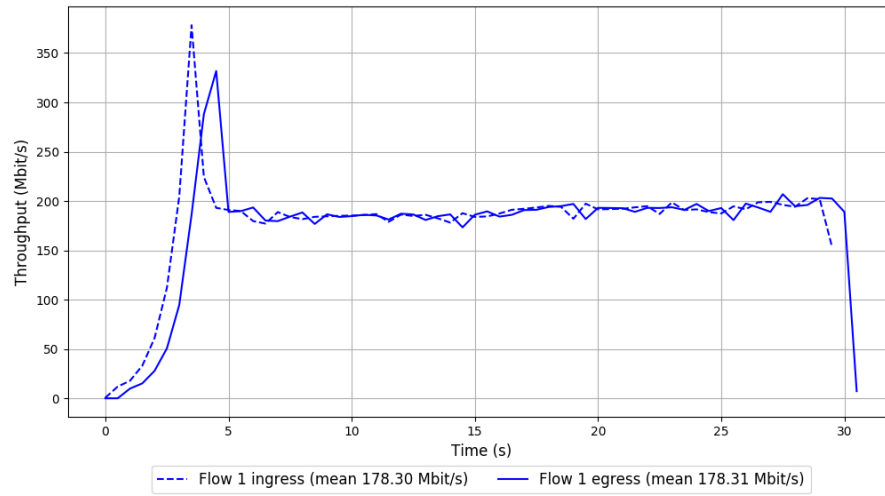


Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 00:23:20
End at: 2018-08-09 00:23:50
Local clock offset: 21.364 ms
Remote clock offset: 21.697 ms

Below is generated by plot.py at 2018-08-09 04:43:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.31 Mbit/s
95th percentile per-packet one-way delay: 137.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.31 Mbit/s
95th percentile per-packet one-way delay: 137.432 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

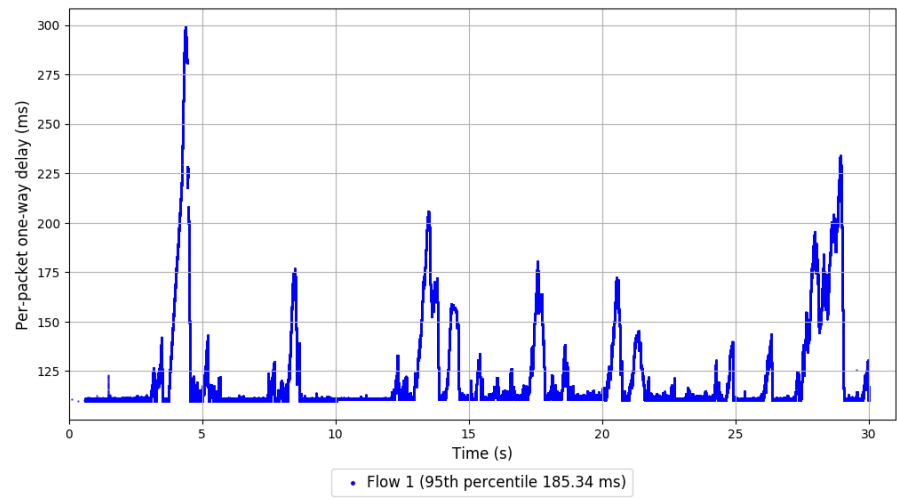
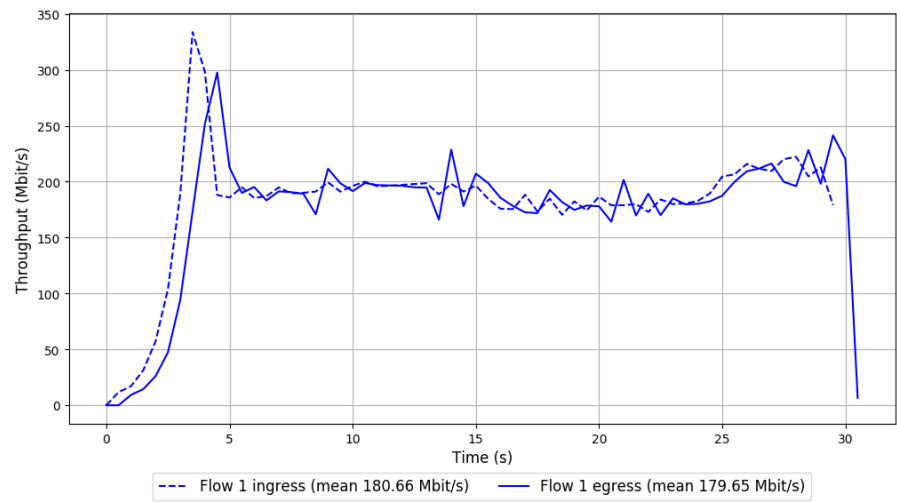


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 00:45:33
End at: 2018-08-09 00:46:03
Local clock offset: 32.255 ms
Remote clock offset: 32.141 ms

Below is generated by plot.py at 2018-08-09 04:43:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.65 Mbit/s
95th percentile per-packet one-way delay: 185.343 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 179.65 Mbit/s
95th percentile per-packet one-way delay: 185.343 ms
Loss rate: 0.56%

Run 3: Report of PCC-Expr — Data Link

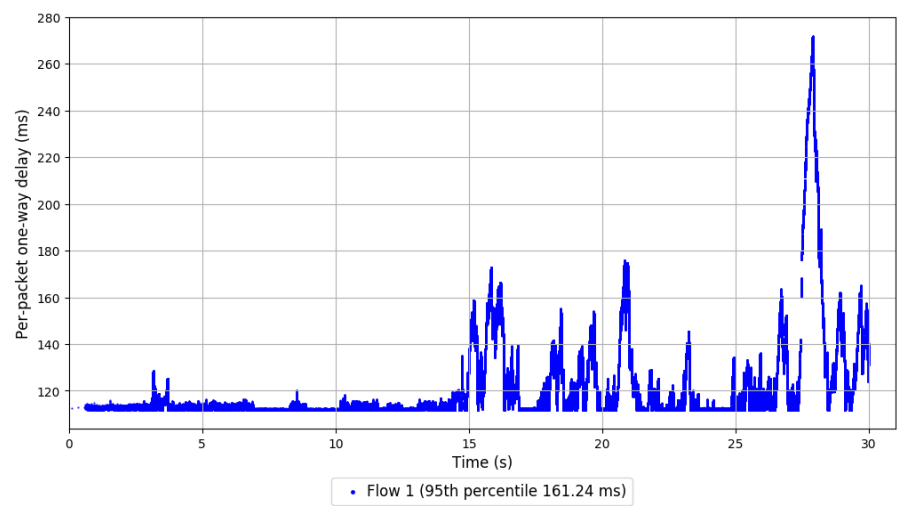
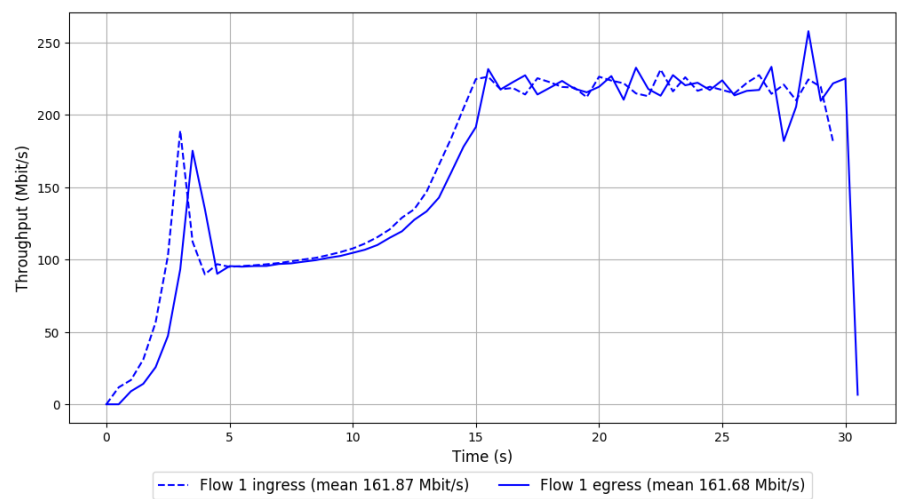


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 01:07:38
End at: 2018-08-09 01:08:08
Local clock offset: 14.518 ms
Remote clock offset: 15.577 ms

Below is generated by plot.py at 2018-08-09 04:43:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.68 Mbit/s
95th percentile per-packet one-way delay: 161.242 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 161.68 Mbit/s
95th percentile per-packet one-way delay: 161.242 ms
Loss rate: 0.11%

Run 4: Report of PCC-Expr — Data Link

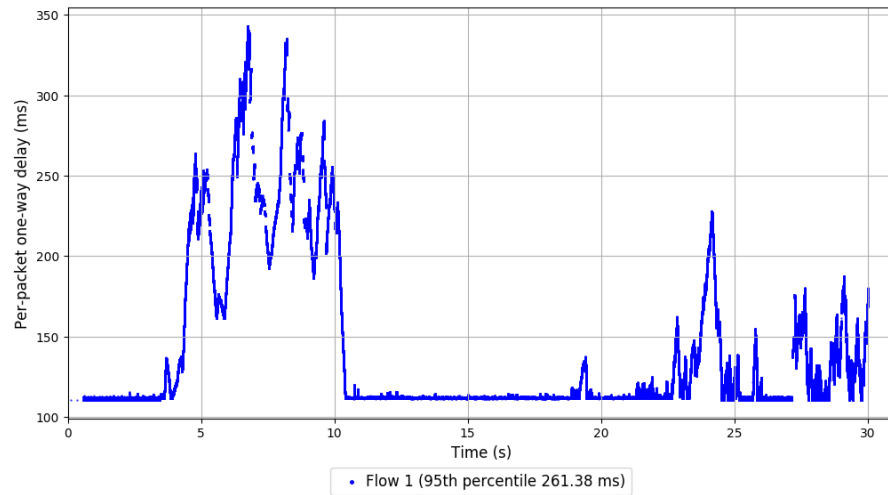
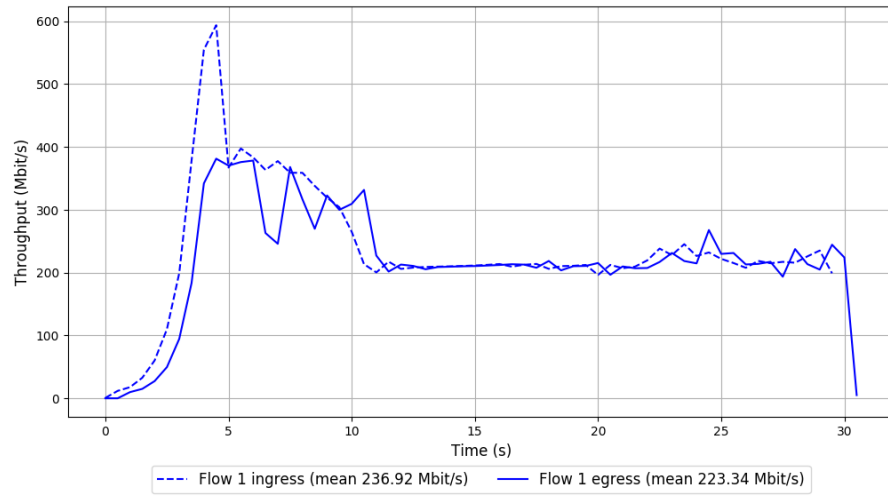


Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 01:29:49
End at: 2018-08-09 01:30:19
Local clock offset: 14.528 ms
Remote clock offset: 16.045 ms

Below is generated by plot.py at 2018-08-09 04:45:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.34 Mbit/s
95th percentile per-packet one-way delay: 261.376 ms
Loss rate: 5.72%
-- Flow 1:
Average throughput: 223.34 Mbit/s
95th percentile per-packet one-way delay: 261.376 ms
Loss rate: 5.72%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 01:52:17

End at: 2018-08-09 01:52:47

Local clock offset: 6.412 ms

Remote clock offset: 8.525 ms

Below is generated by plot.py at 2018-08-09 04:47:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.70 Mbit/s

95th percentile per-packet one-way delay: 332.144 ms

Loss rate: 4.78%

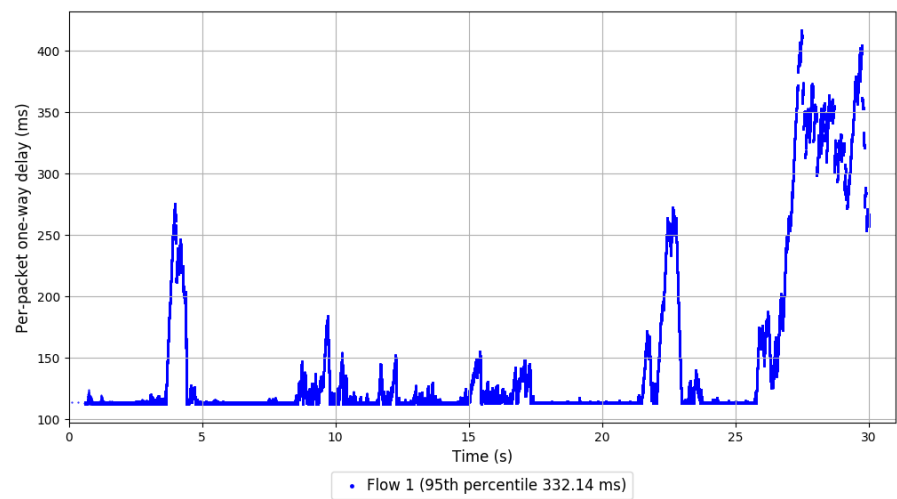
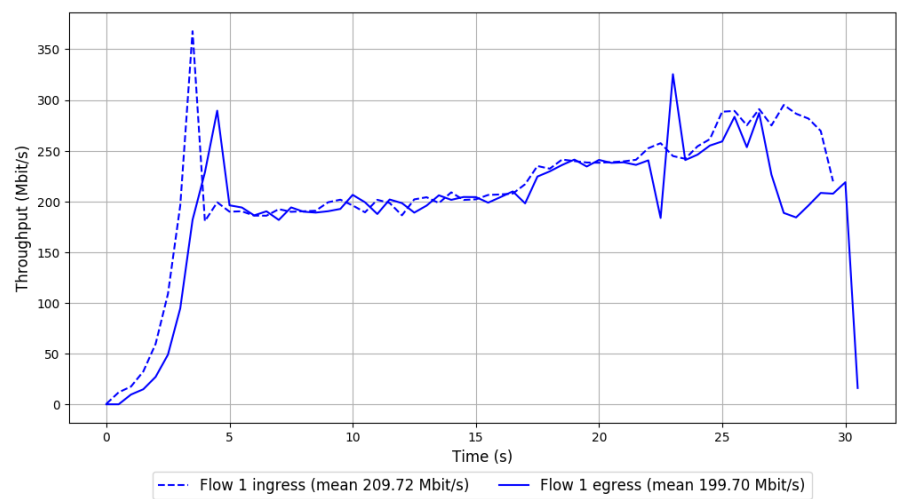
-- Flow 1:

Average throughput: 199.70 Mbit/s

95th percentile per-packet one-way delay: 332.144 ms

Loss rate: 4.78%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 02:14:36

End at: 2018-08-09 02:15:07

Local clock offset: 3.247 ms

Remote clock offset: 3.204 ms

Below is generated by plot.py at 2018-08-09 04:47:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.97 Mbit/s

95th percentile per-packet one-way delay: 128.489 ms

Loss rate: 0.00%

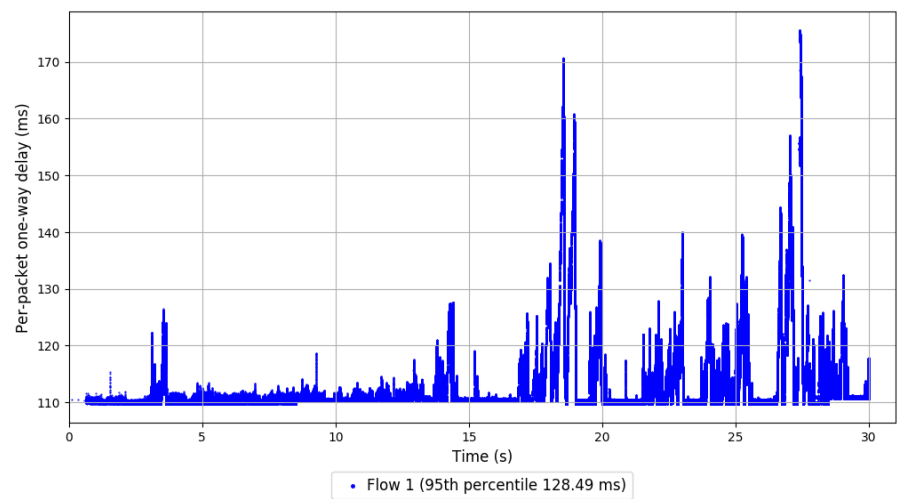
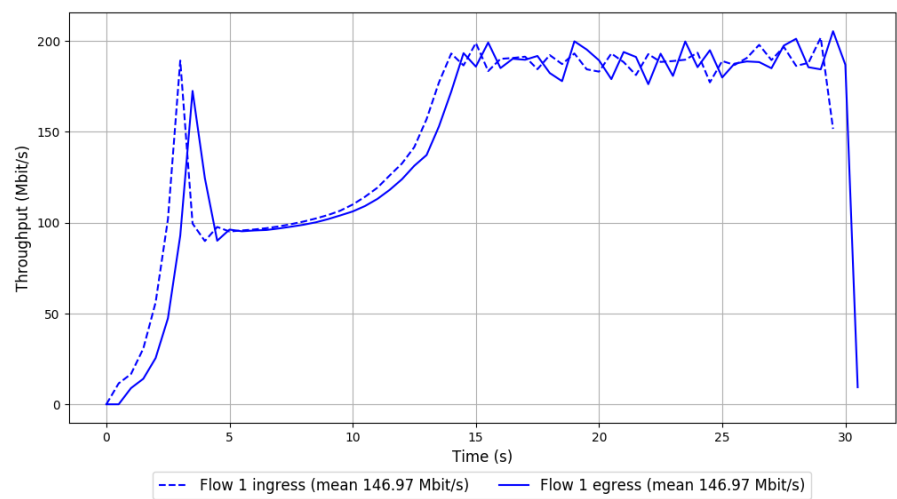
-- Flow 1:

Average throughput: 146.97 Mbit/s

95th percentile per-packet one-way delay: 128.489 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 02:36:49

End at: 2018-08-09 02:37:19

Local clock offset: 2.322 ms

Remote clock offset: 1.619 ms

Below is generated by plot.py at 2018-08-09 04:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.07 Mbit/s

95th percentile per-packet one-way delay: 246.314 ms

Loss rate: 3.09%

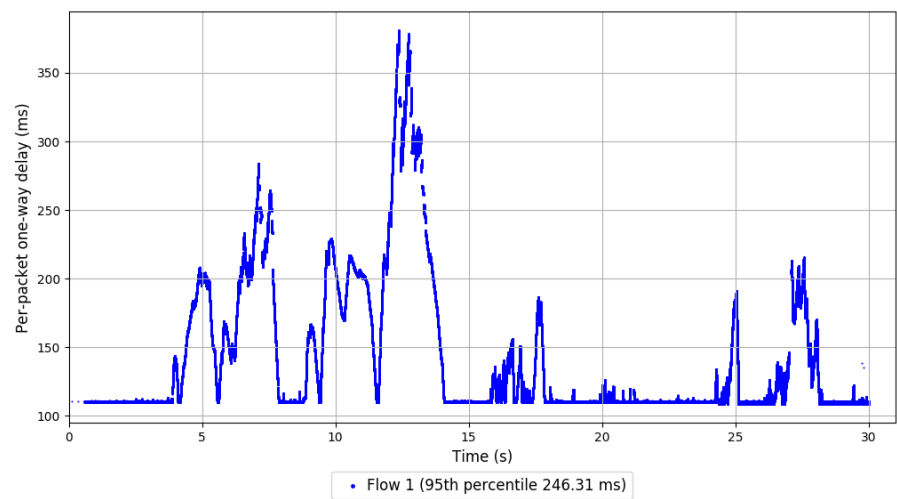
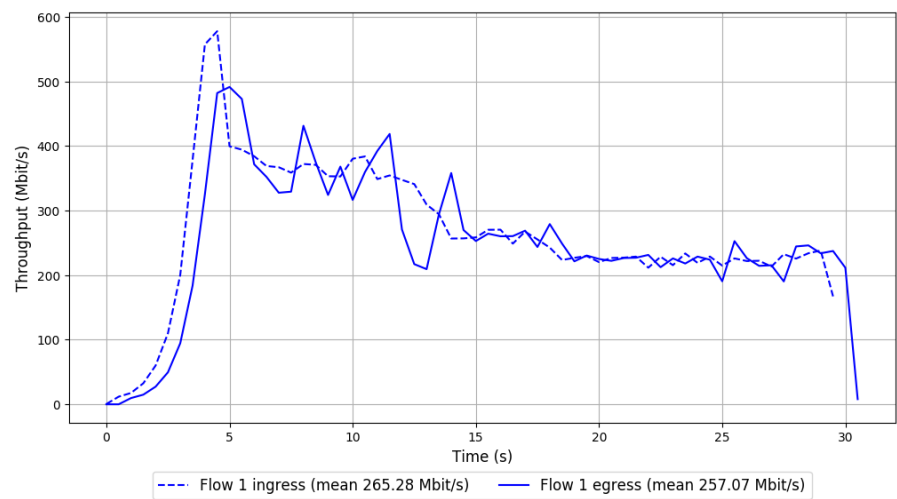
-- Flow 1:

Average throughput: 257.07 Mbit/s

95th percentile per-packet one-way delay: 246.314 ms

Loss rate: 3.09%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 02:59:23

End at: 2018-08-09 02:59:53

Local clock offset: 0.703 ms

Remote clock offset: 0.514 ms

Below is generated by plot.py at 2018-08-09 04:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.19 Mbit/s

95th percentile per-packet one-way delay: 166.947 ms

Loss rate: 0.57%

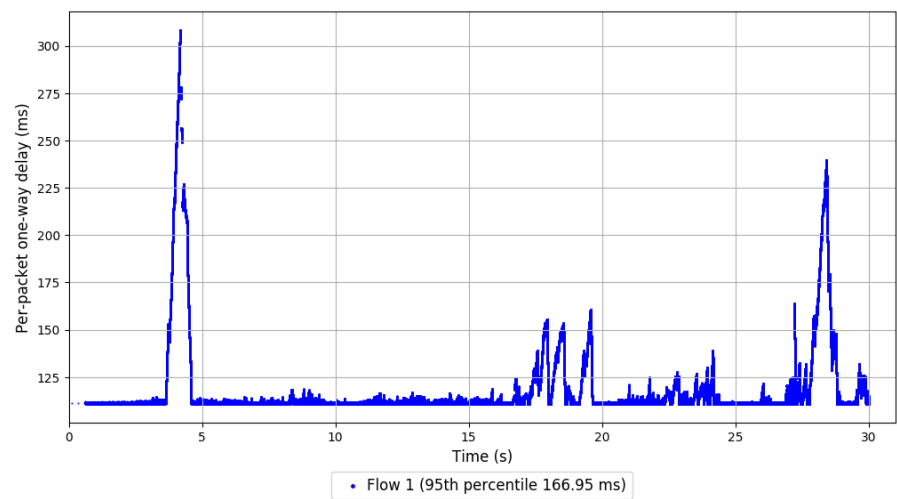
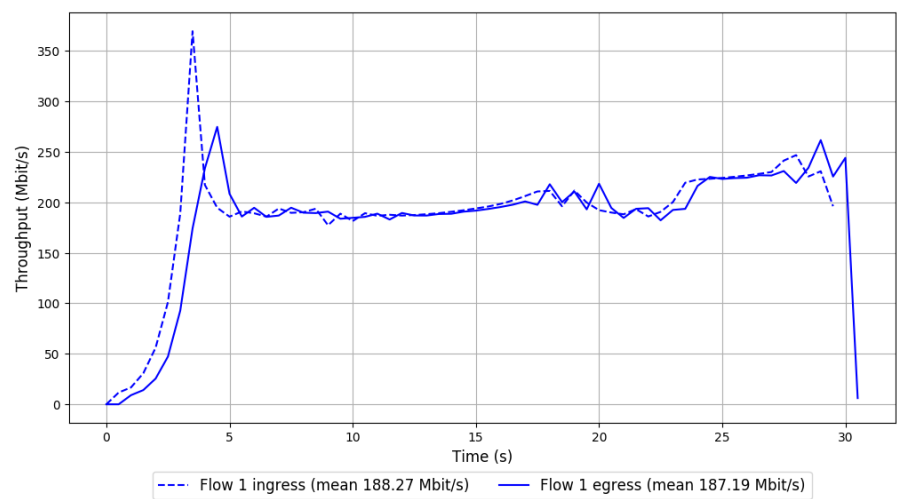
-- Flow 1:

Average throughput: 187.19 Mbit/s

95th percentile per-packet one-way delay: 166.947 ms

Loss rate: 0.57%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 03:21:27

End at: 2018-08-09 03:21:57

Local clock offset: 0.338 ms

Remote clock offset: 0.97 ms

Below is generated by plot.py at 2018-08-09 04:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.43 Mbit/s

95th percentile per-packet one-way delay: 242.208 ms

Loss rate: 1.01%

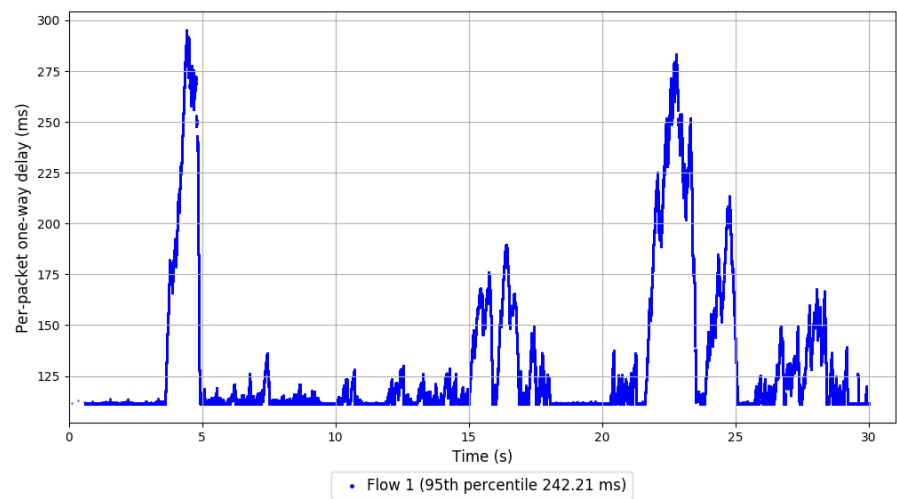
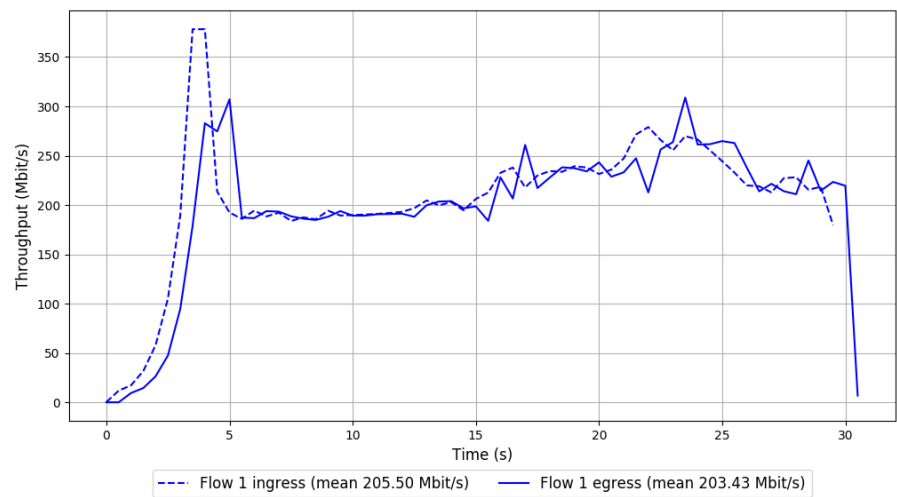
-- Flow 1:

Average throughput: 203.43 Mbit/s

95th percentile per-packet one-way delay: 242.208 ms

Loss rate: 1.01%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

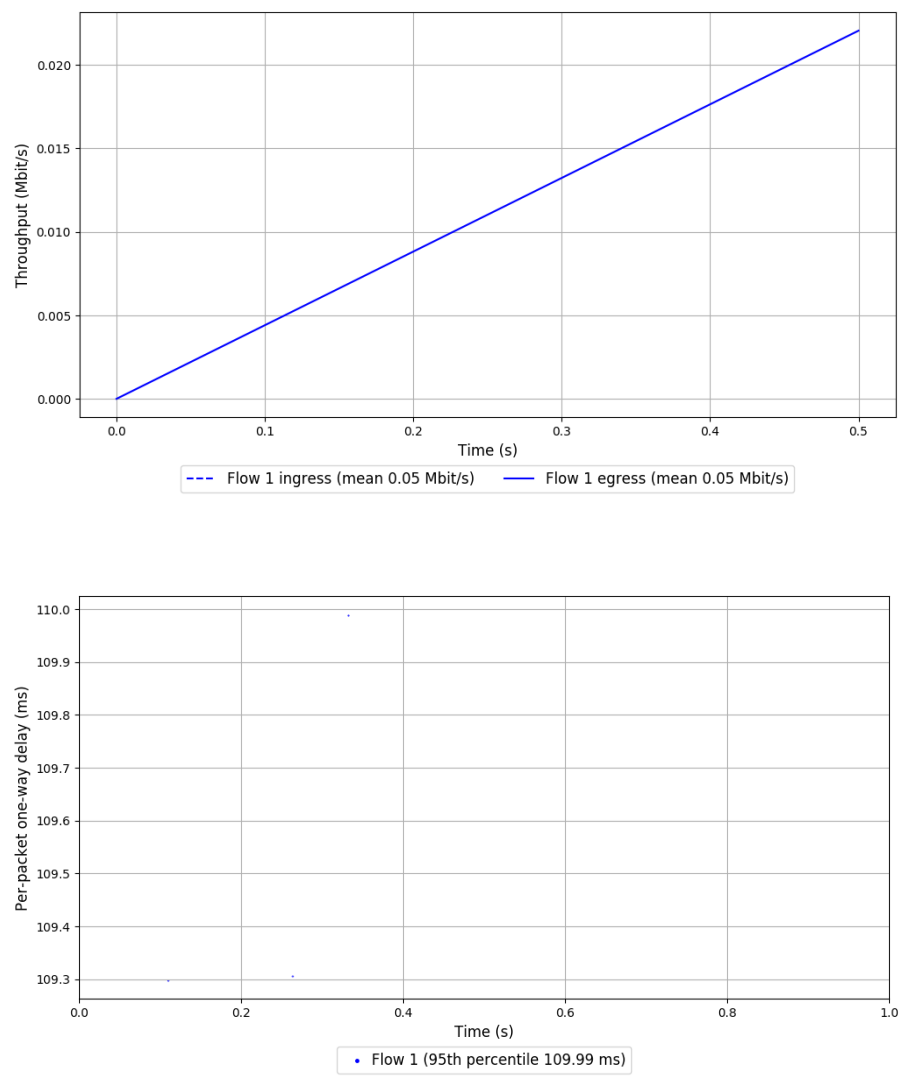
Start at: 2018-08-08 23:49:18

End at: 2018-08-08 23:49:48

Local clock offset: 8.206 ms

Remote clock offset: 6.9 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 00:11:54

End at: 2018-08-09 00:12:24

Local clock offset: 16.863 ms

Remote clock offset: 17.346 ms

Below is generated by plot.py at 2018-08-09 04:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.83 Mbit/s

95th percentile per-packet one-way delay: 110.603 ms

Loss rate: 0.00%

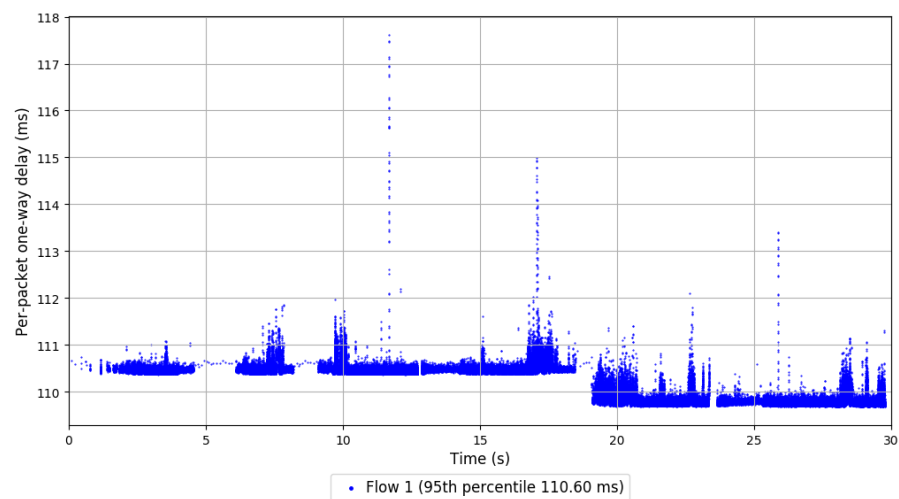
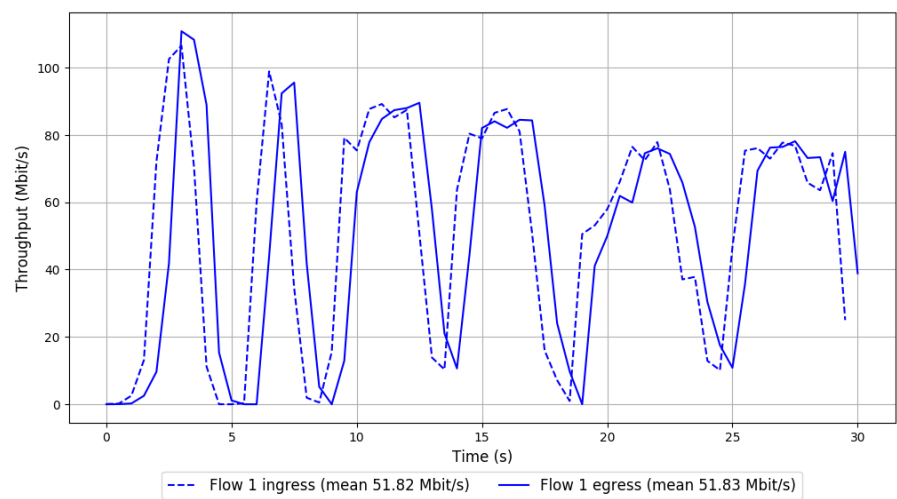
-- Flow 1:

Average throughput: 51.83 Mbit/s

95th percentile per-packet one-way delay: 110.603 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 00:34:04

End at: 2018-08-09 00:34:34

Local clock offset: 20.983 ms

Remote clock offset: 22.496 ms

Below is generated by plot.py at 2018-08-09 04:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.65 Mbit/s

95th percentile per-packet one-way delay: 113.447 ms

Loss rate: 0.01%

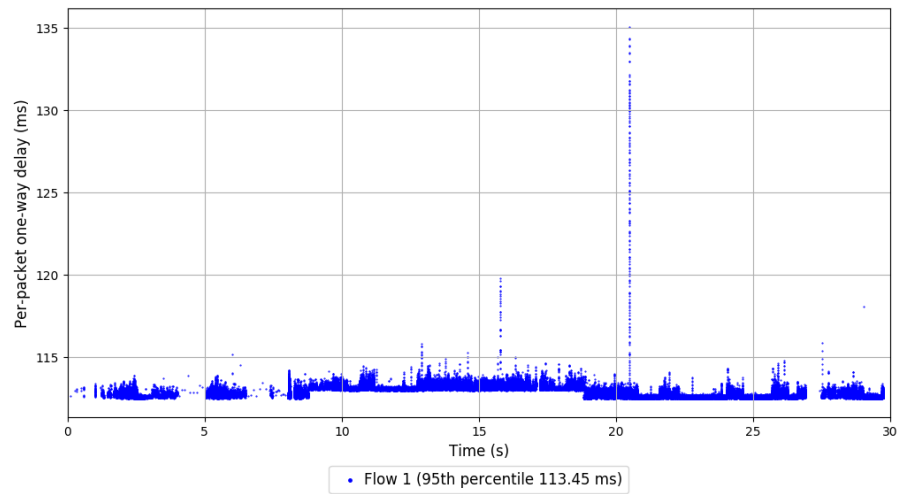
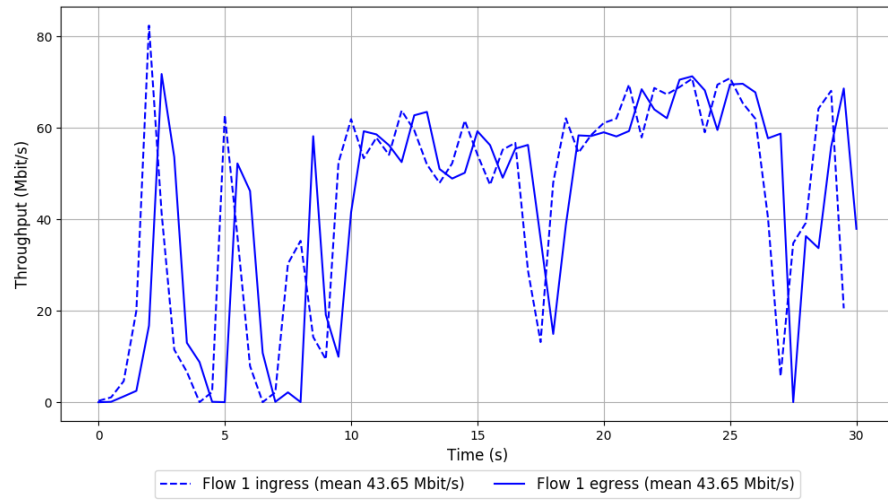
-- Flow 1:

Average throughput: 43.65 Mbit/s

95th percentile per-packet one-way delay: 113.447 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link

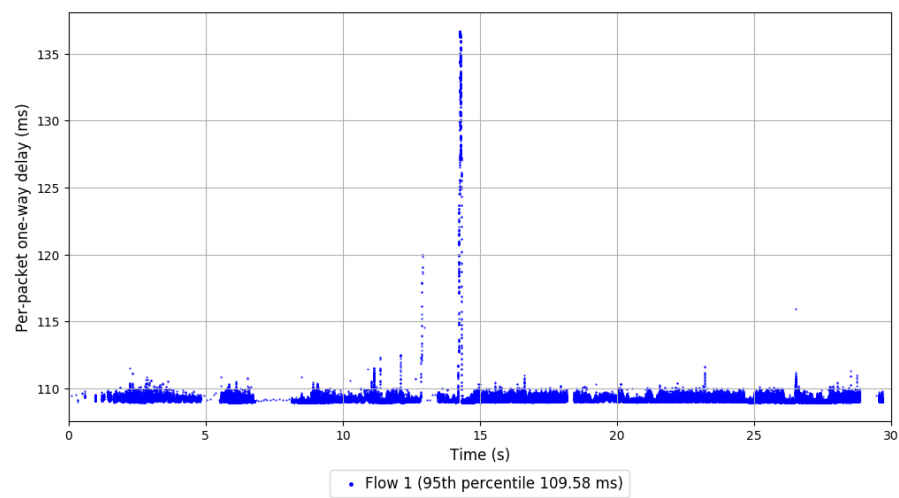
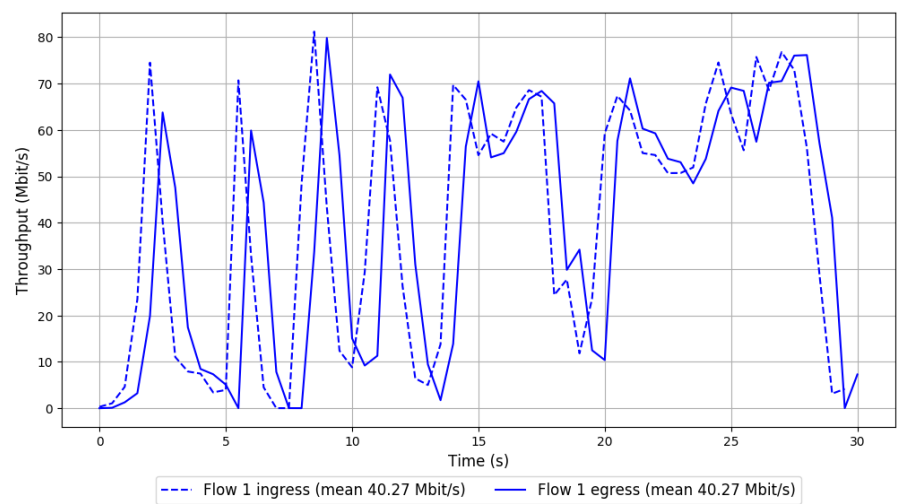


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 00:56:20
End at: 2018-08-09 00:56:50
Local clock offset: 31.457 ms
Remote clock offset: 30.08 ms

Below is generated by plot.py at 2018-08-09 04:49:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 109.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 109.582 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

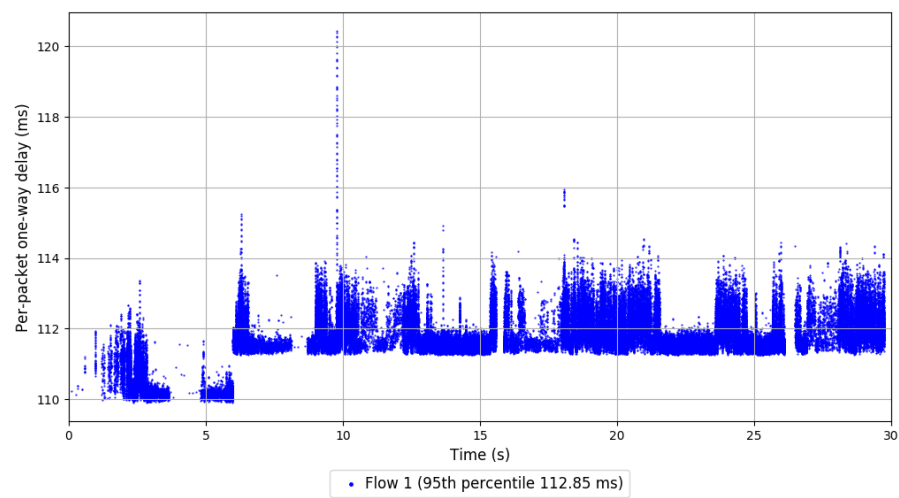
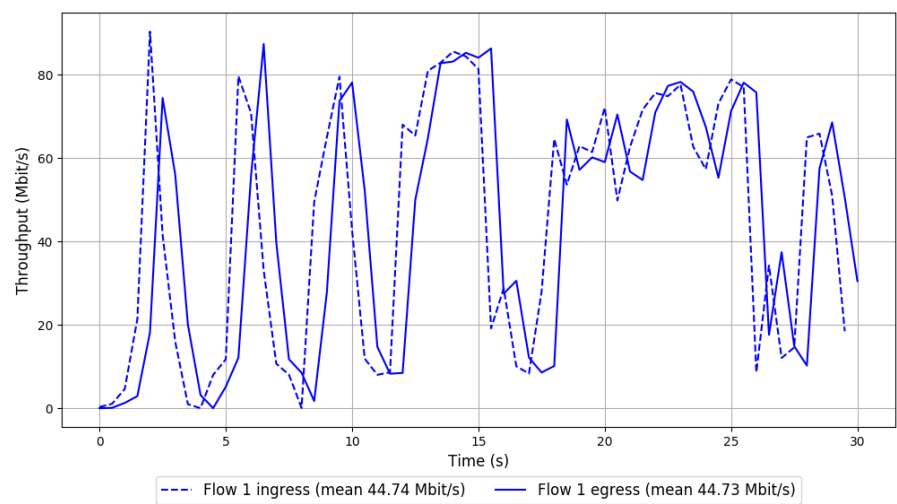


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 01:18:17
End at: 2018-08-09 01:18:47
Local clock offset: 16.805 ms
Remote clock offset: 16.649 ms

Below is generated by plot.py at 2018-08-09 04:49:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.73 Mbit/s
95th percentile per-packet one-way delay: 112.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.73 Mbit/s
95th percentile per-packet one-way delay: 112.853 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 01:40:57

End at: 2018-08-09 01:41:27

Local clock offset: 9.14 ms

Remote clock offset: 7.62 ms

Below is generated by plot.py at 2018-08-09 04:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.33 Mbit/s

95th percentile per-packet one-way delay: 109.118 ms

Loss rate: 0.00%

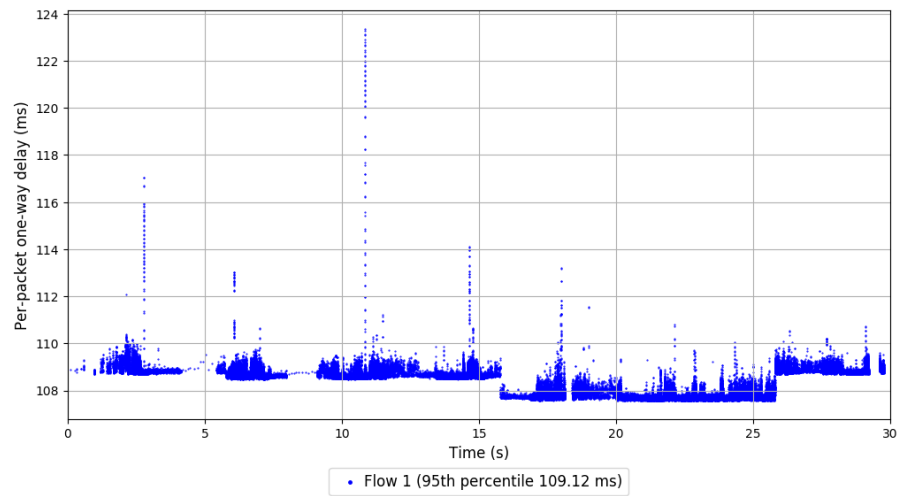
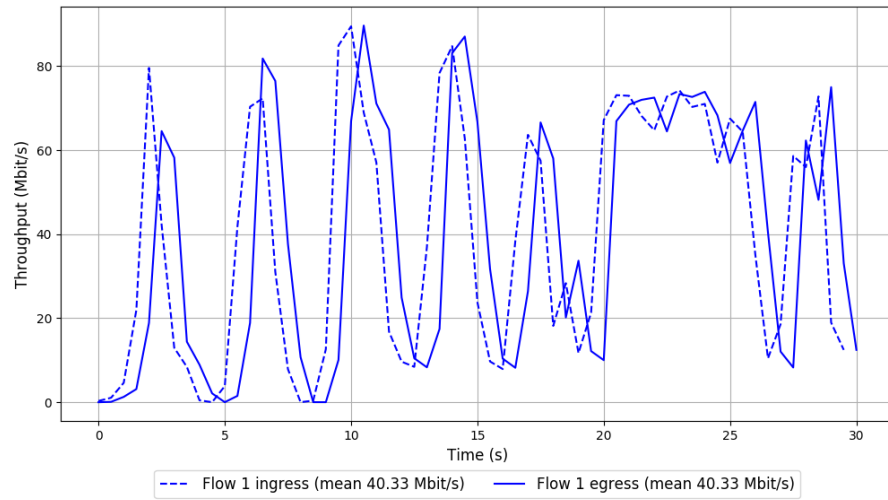
-- Flow 1:

Average throughput: 40.33 Mbit/s

95th percentile per-packet one-way delay: 109.118 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 02:03:14

End at: 2018-08-09 02:03:44

Local clock offset: 8.488 ms

Remote clock offset: 7.904 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.22 Mbit/s

95th percentile per-packet one-way delay: 110.489 ms

Loss rate: 0.00%

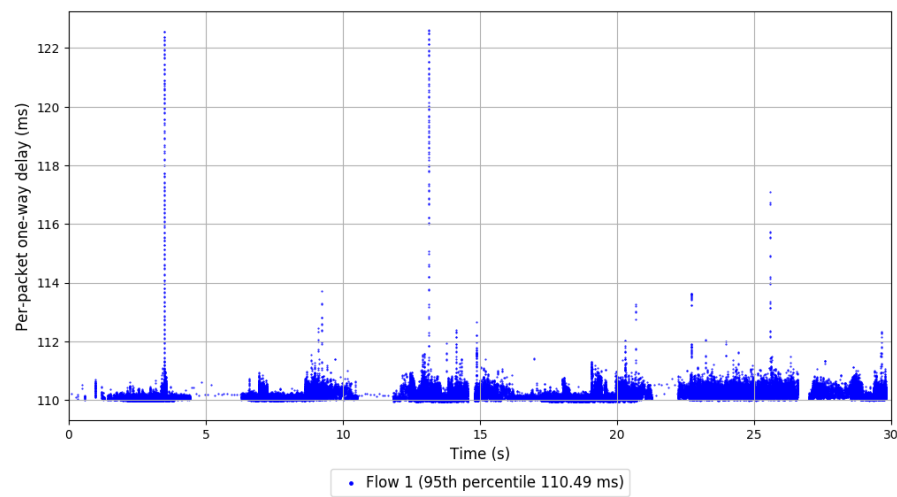
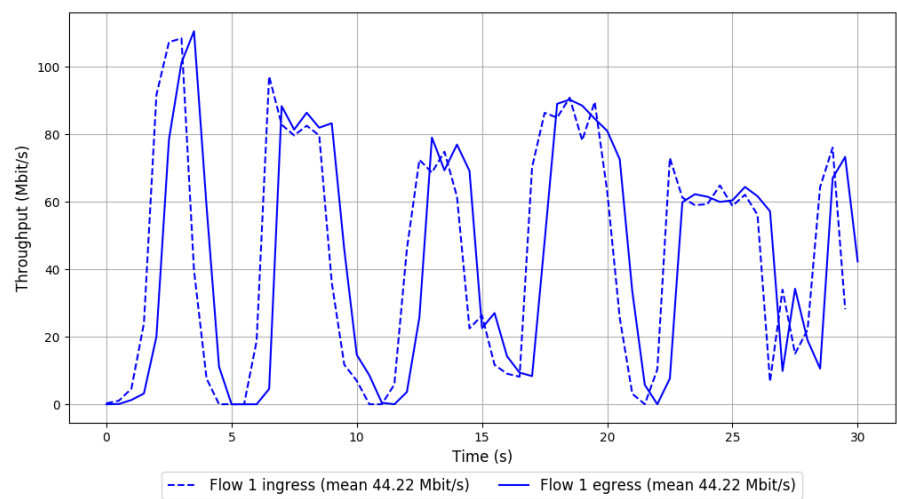
-- Flow 1:

Average throughput: 44.22 Mbit/s

95th percentile per-packet one-way delay: 110.489 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 02:25:18

End at: 2018-08-09 02:25:48

Local clock offset: 2.295 ms

Remote clock offset: 2.274 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.16 Mbit/s

95th percentile per-packet one-way delay: 110.476 ms

Loss rate: 0.00%

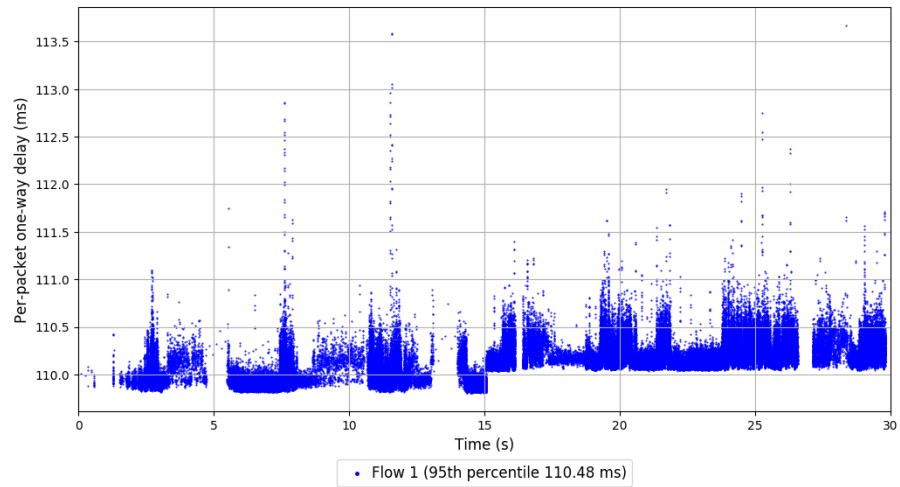
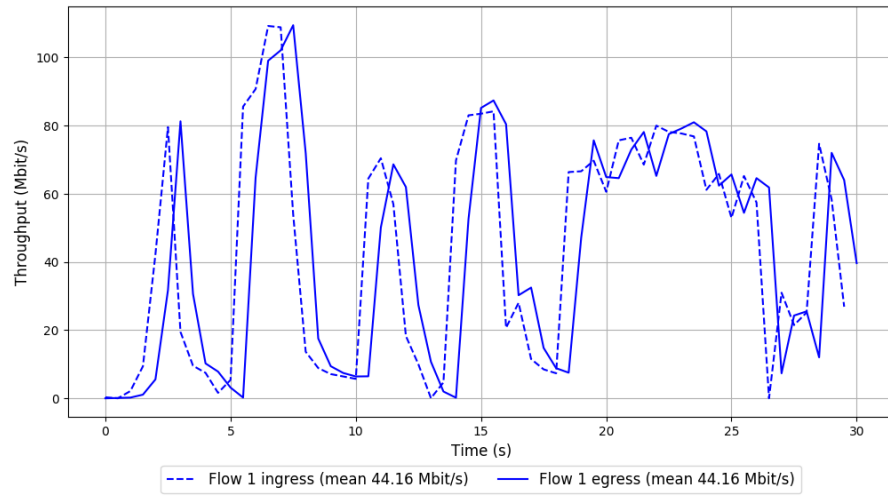
-- Flow 1:

Average throughput: 44.16 Mbit/s

95th percentile per-packet one-way delay: 110.476 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

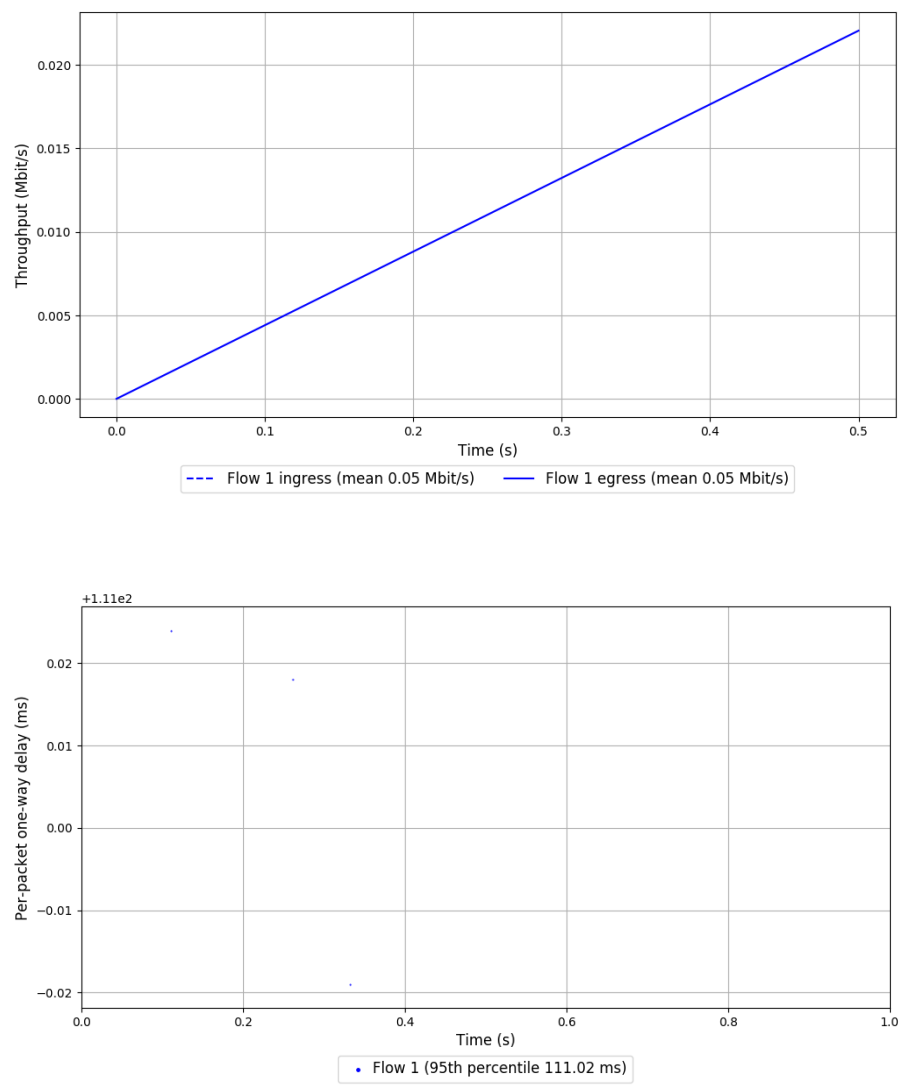
Start at: 2018-08-09 02:47:59

End at: 2018-08-09 02:48:29

Local clock offset: 0.785 ms

Remote clock offset: 0.688 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

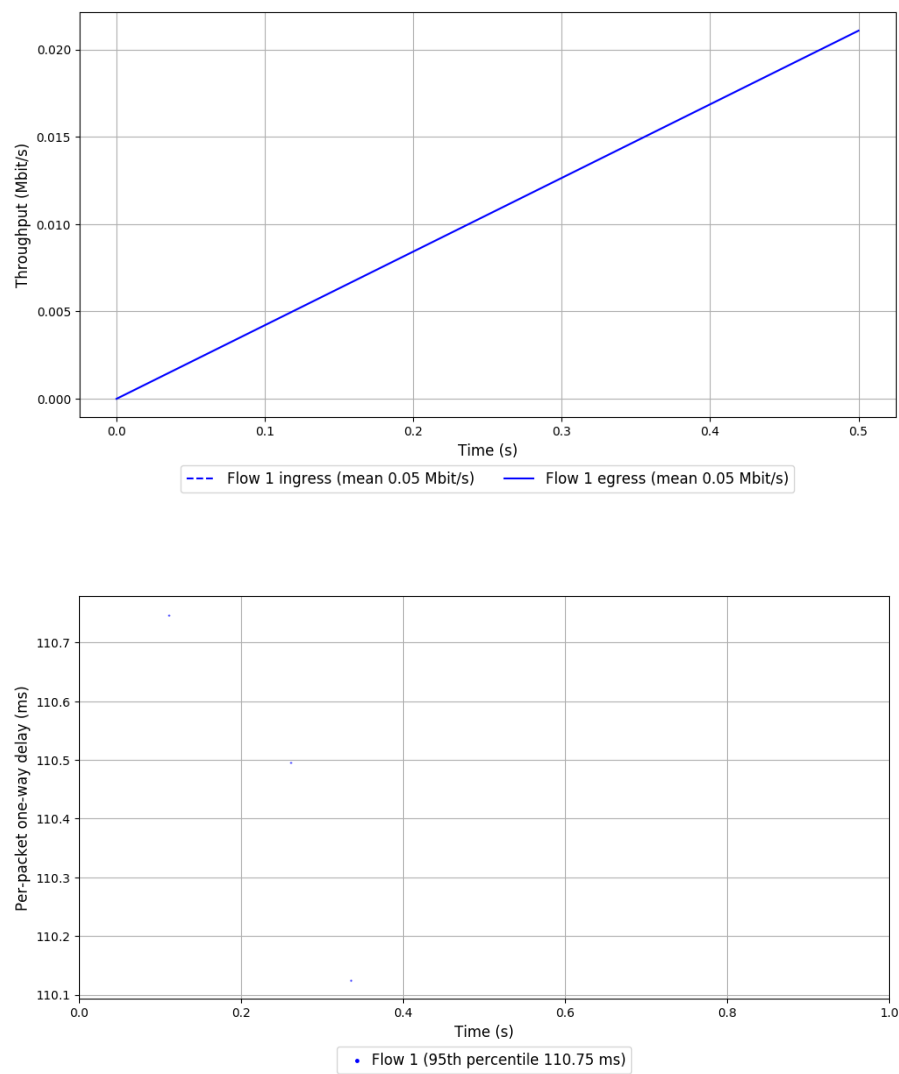
Start at: 2018-08-09 03:10:14

End at: 2018-08-09 03:10:44

Local clock offset: 2.057 ms

Remote clock offset: 1.082 ms

Run 10: Report of QUIC Cubic — Data Link

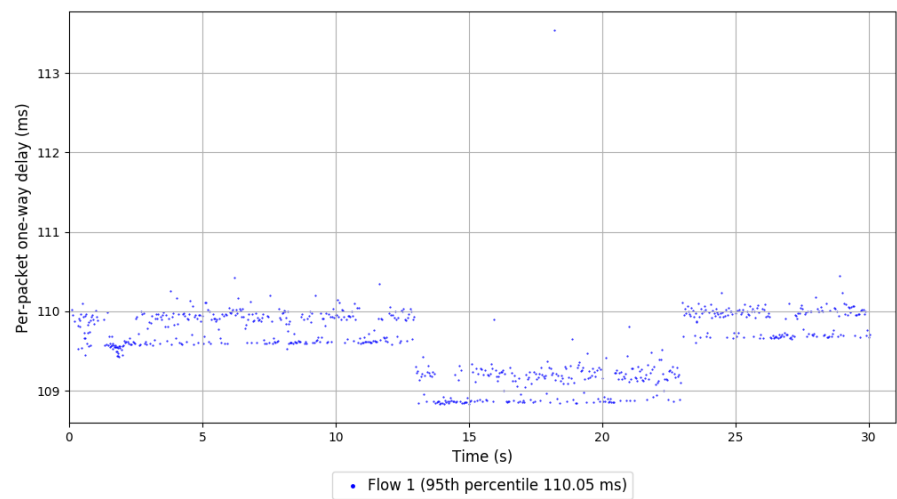
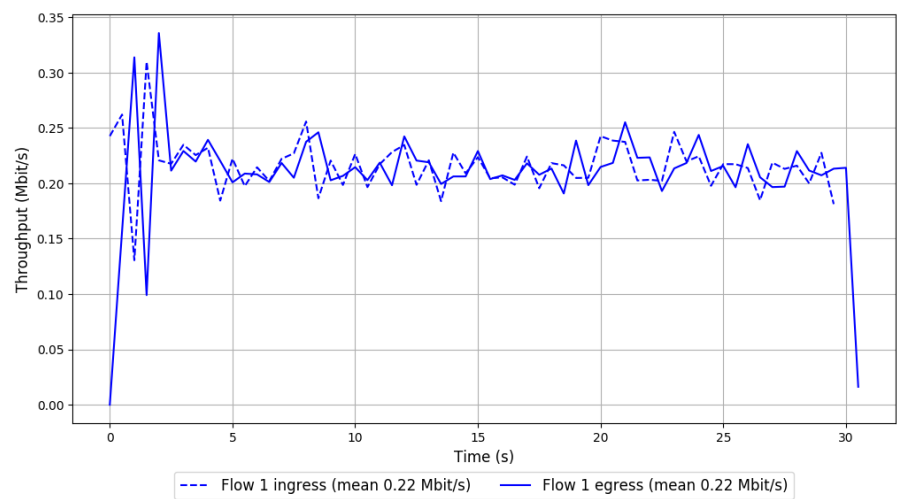


```
Run 1: Statistics of SCReAM

Start at: 2018-08-08 23:54:00
End at: 2018-08-08 23:54:30
Local clock offset: 10.588 ms
Remote clock offset: 10.274 ms

# Below is generated by plot.py at 2018-08-09 04:49:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.052 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

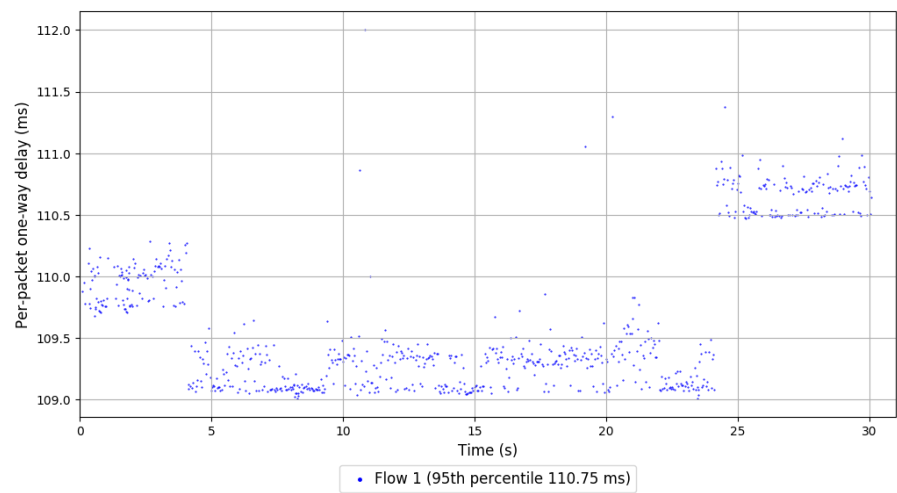
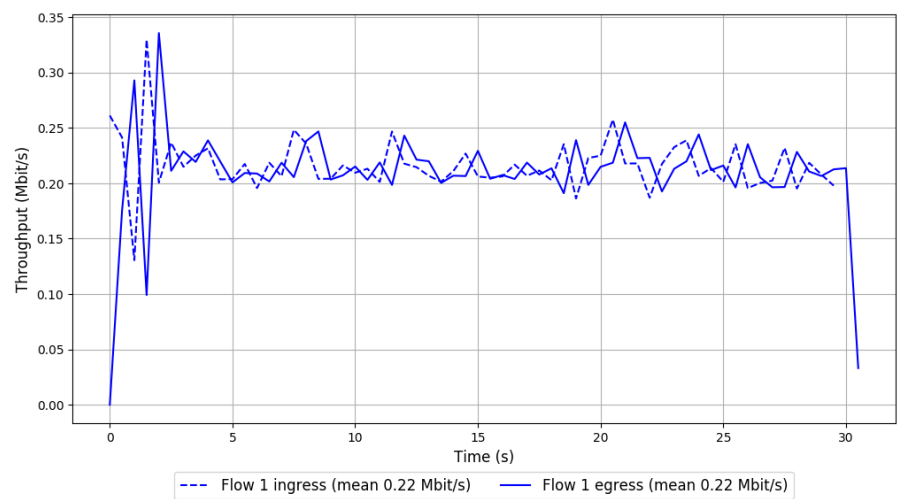


```
Run 2: Statistics of SCReAM

Start at: 2018-08-09 00:16:41
End at: 2018-08-09 00:17:11
Local clock offset: 23.649 ms
Remote clock offset: 23.093 ms

# Below is generated by plot.py at 2018-08-09 04:49:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.755 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

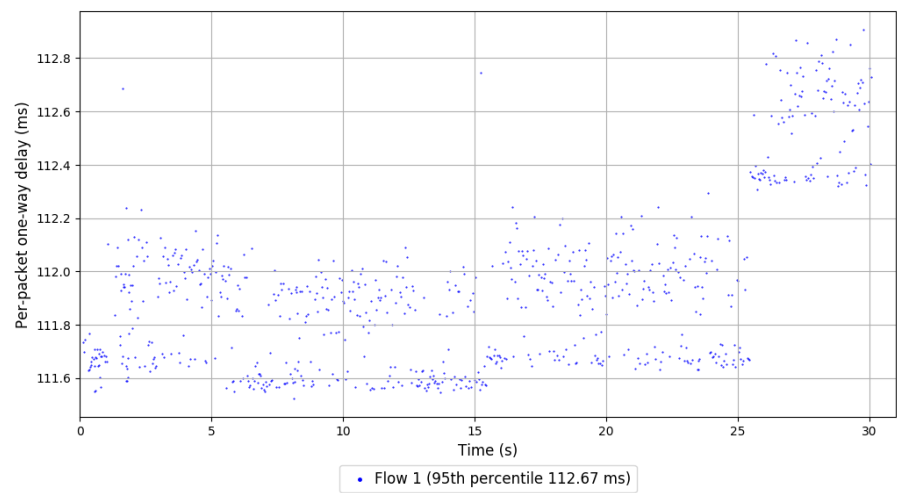
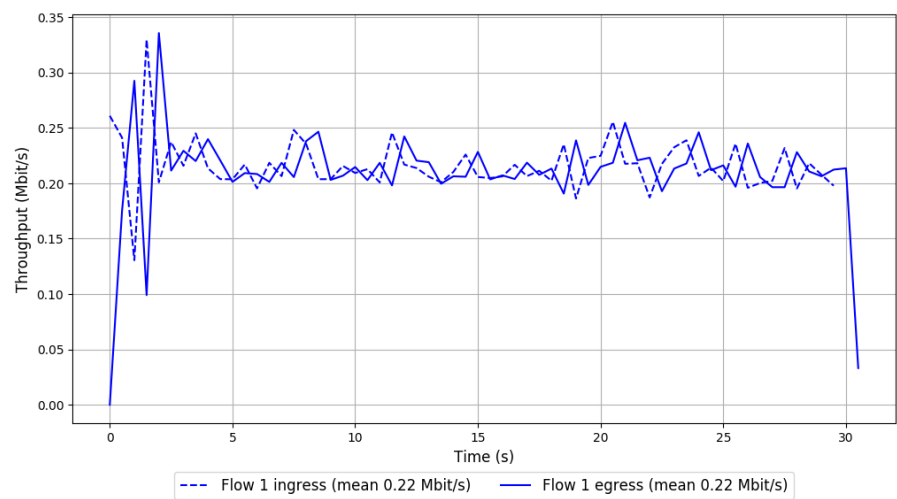


Run 3: Statistics of SCReAM

Start at: 2018-08-09 00:38:47
End at: 2018-08-09 00:39:17
Local clock offset: 25.666 ms
Remote clock offset: 26.143 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.666 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.666 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

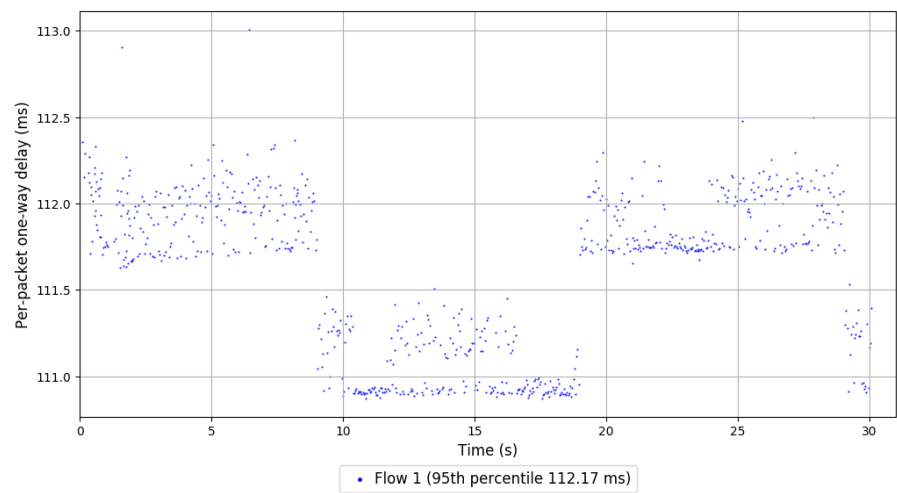
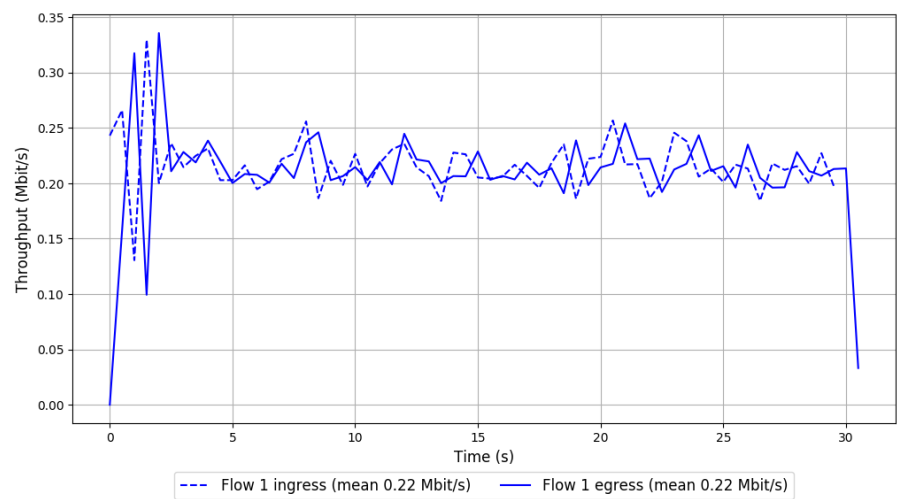


Run 4: Statistics of SCReAM

Start at: 2018-08-09 01:01:04
End at: 2018-08-09 01:01:34
Local clock offset: 20.673 ms
Remote clock offset: 21.135 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.168 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

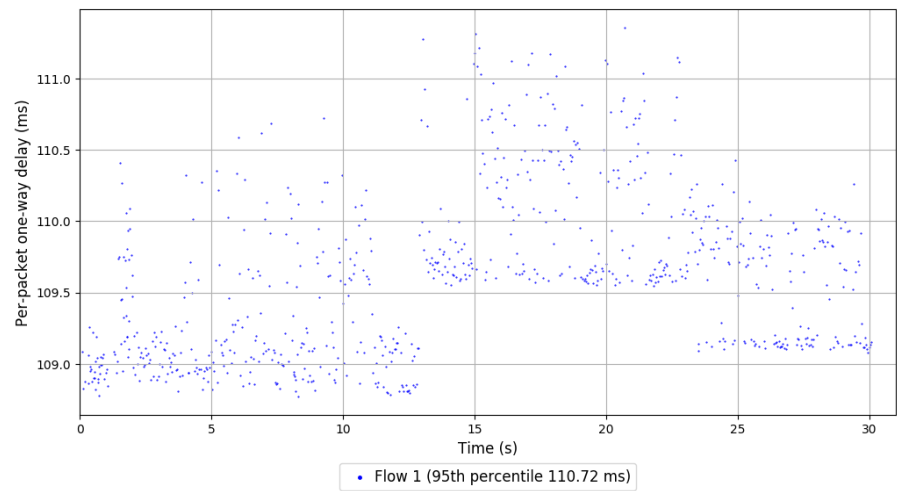
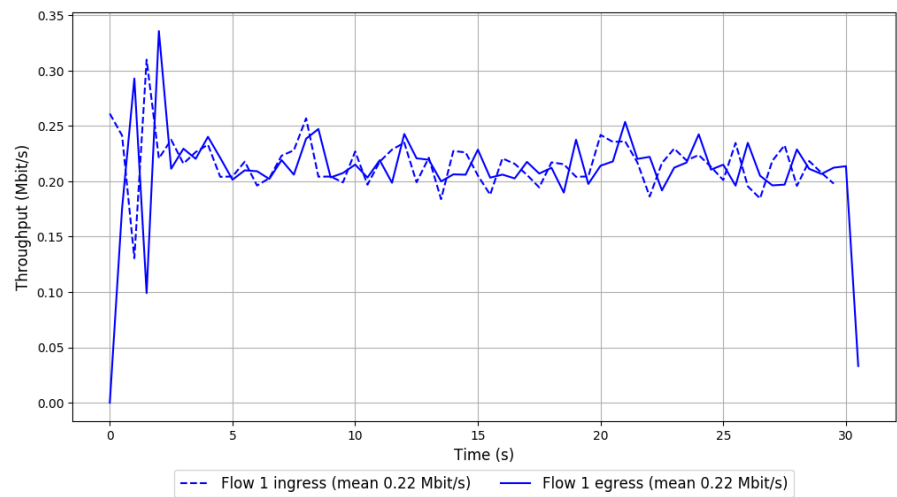


Run 5: Statistics of SCReAM

Start at: 2018-08-09 01:23:00
End at: 2018-08-09 01:23:30
Local clock offset: 19.521 ms
Remote clock offset: 18.159 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.722 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-09 01:45:40

End at: 2018-08-09 01:46:10

Local clock offset: 7.118 ms

Remote clock offset: 7.651 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.787 ms

Loss rate: 0.00%

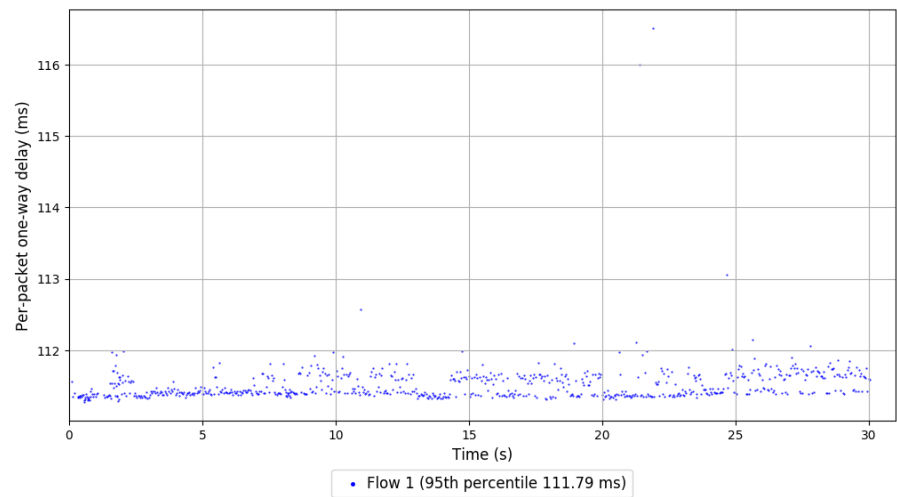
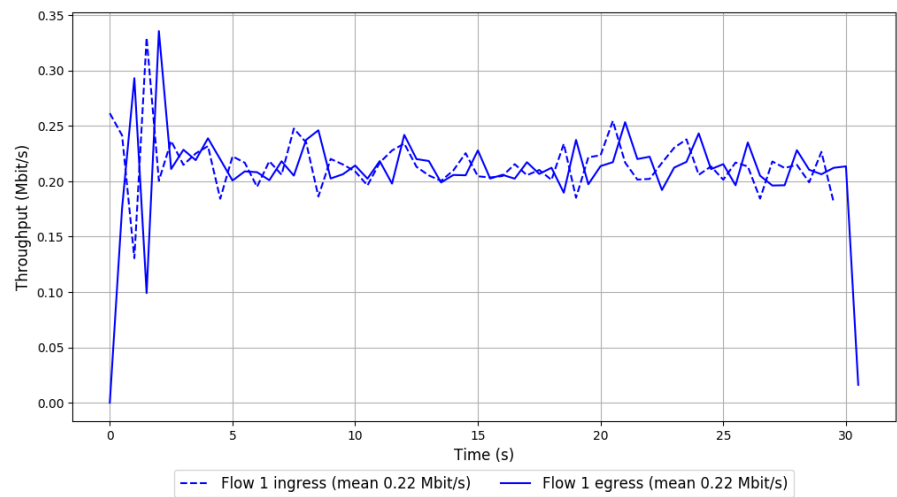
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.787 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-08-09 02:07:58

End at: 2018-08-09 02:08:28

Local clock offset: 3.967 ms

Remote clock offset: 5.565 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.447 ms

Loss rate: 0.00%

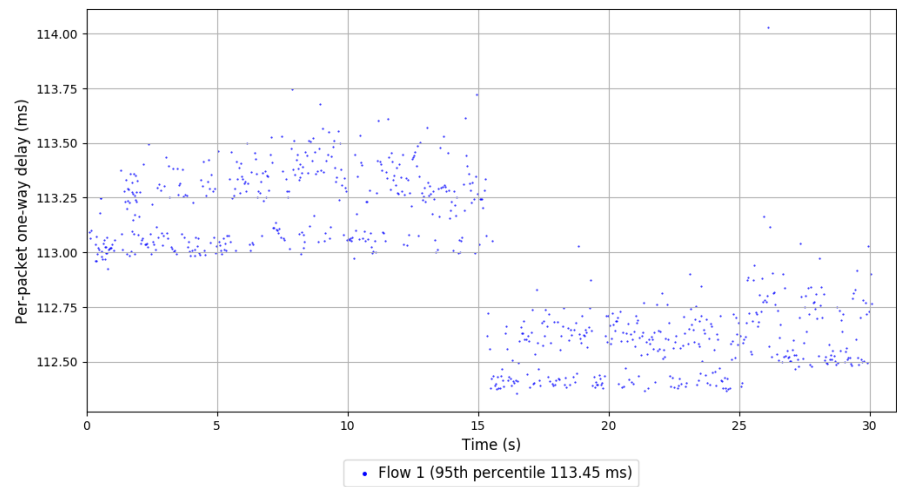
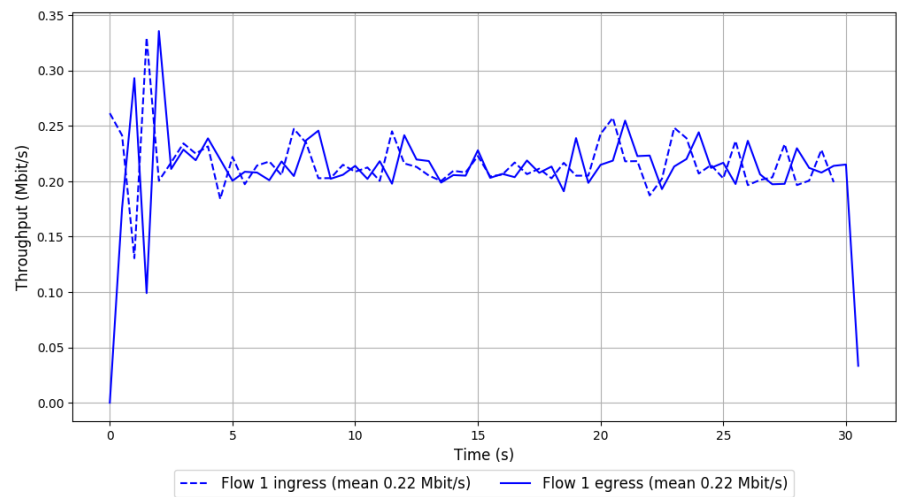
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.447 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-09 02:30:01

End at: 2018-08-09 02:30:31

Local clock offset: 2.127 ms

Remote clock offset: 1.734 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 111.363 ms

Loss rate: 0.00%

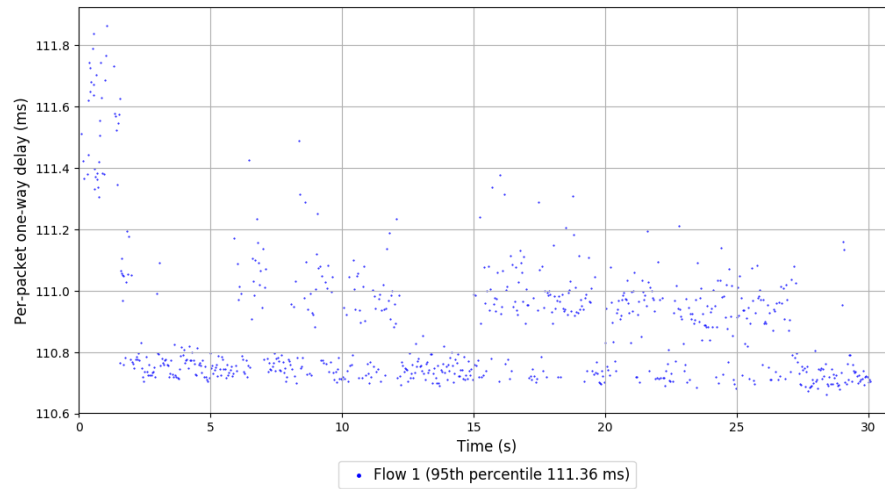
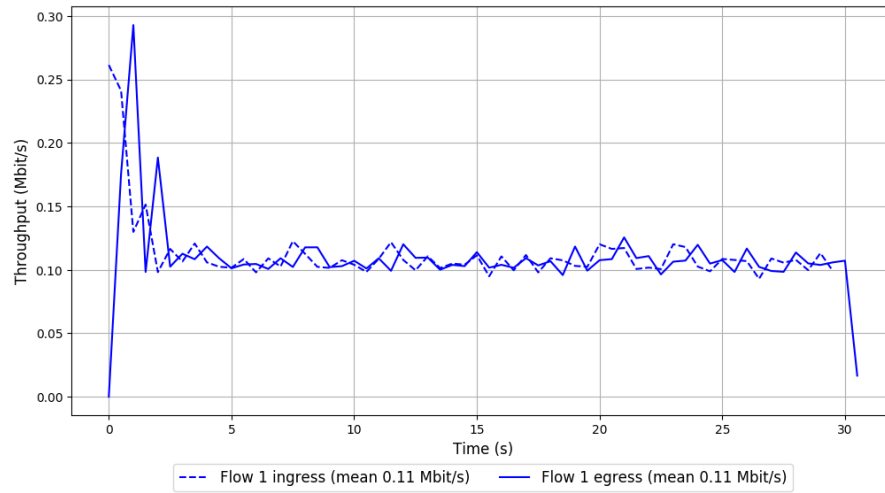
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 111.363 ms

Loss rate: 0.00%

Run 8: Report of SCReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-09 02:52:40

End at: 2018-08-09 02:53:10

Local clock offset: 0.863 ms

Remote clock offset: 0.557 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.518 ms

Loss rate: 0.00%

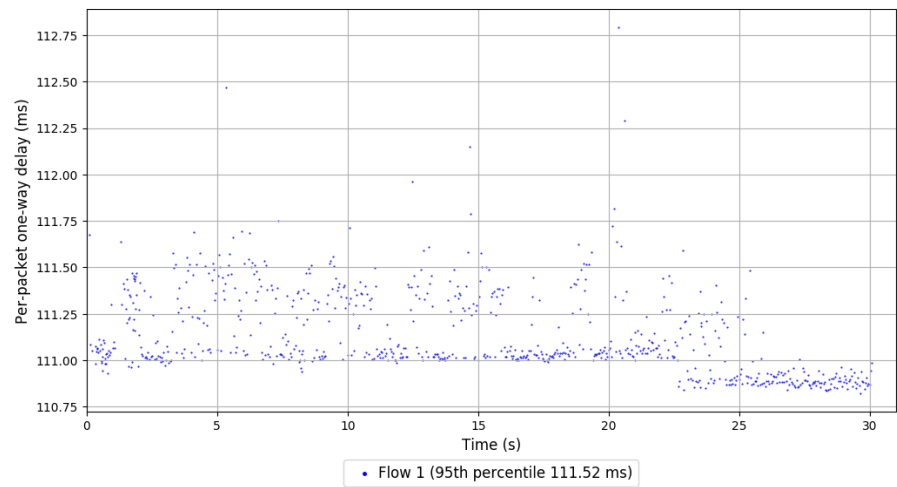
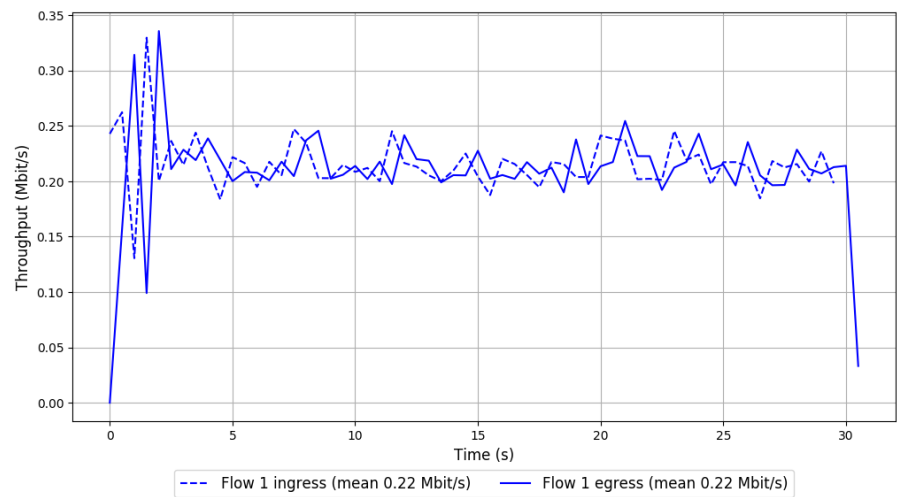
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.518 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-09 03:14:56

End at: 2018-08-09 03:15:26

Local clock offset: 0.825 ms

Remote clock offset: 1.174 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.011 ms

Loss rate: 0.00%

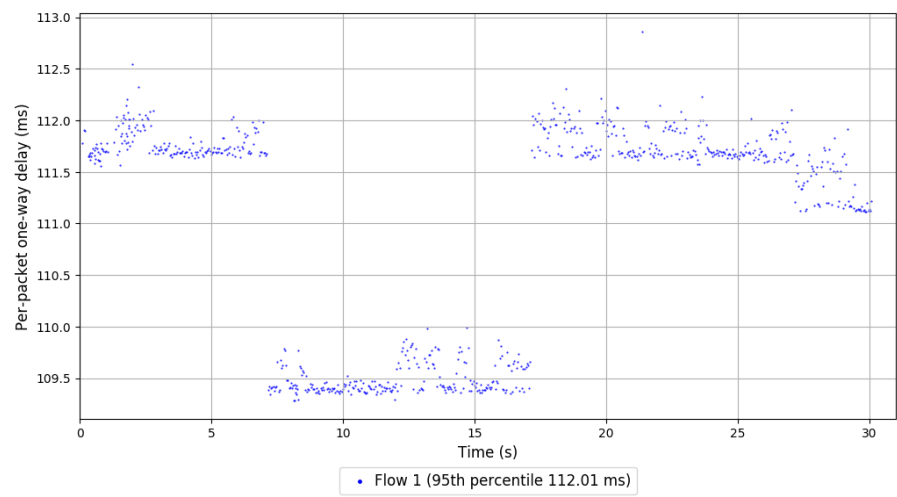
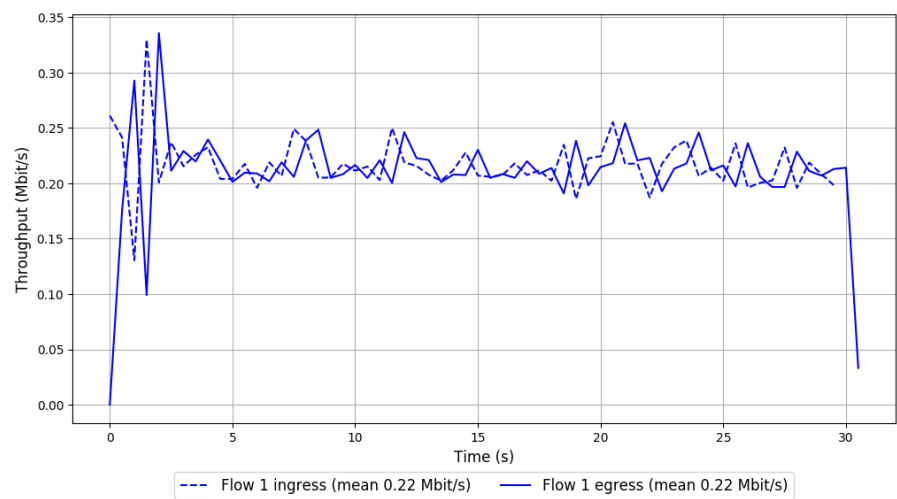
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.011 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

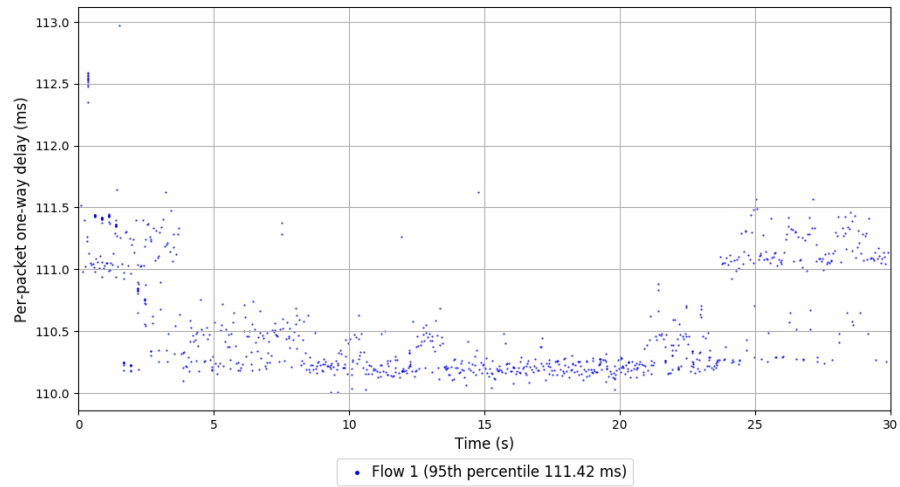
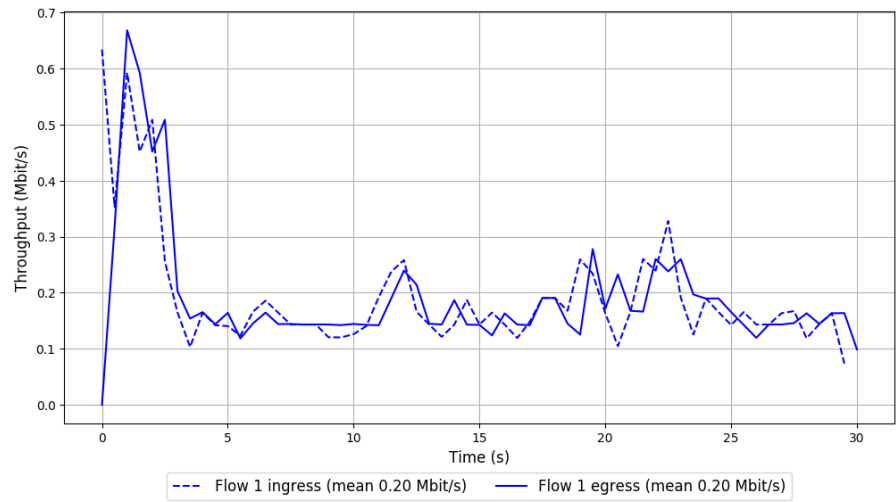


Run 1: Statistics of Sprout

Start at: 2018-08-09 00:03:51
End at: 2018-08-09 00:04:21
Local clock offset: 14.798 ms
Remote clock offset: 14.681 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.422 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

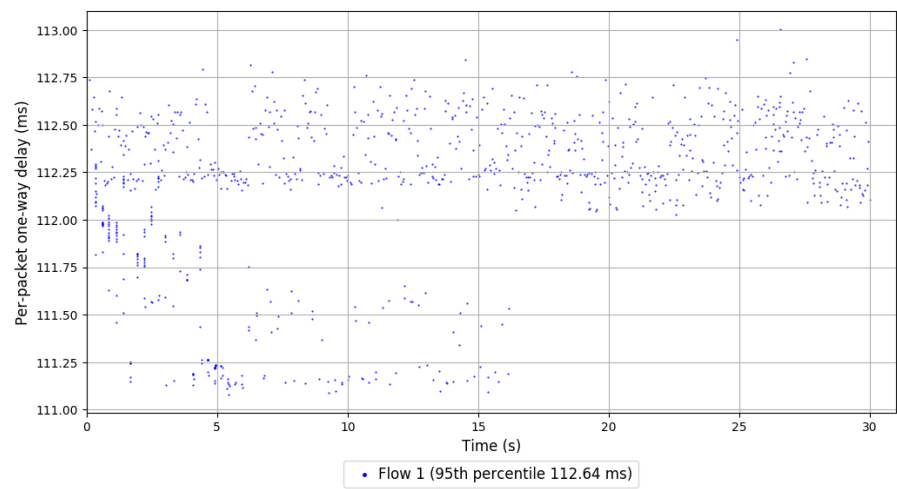
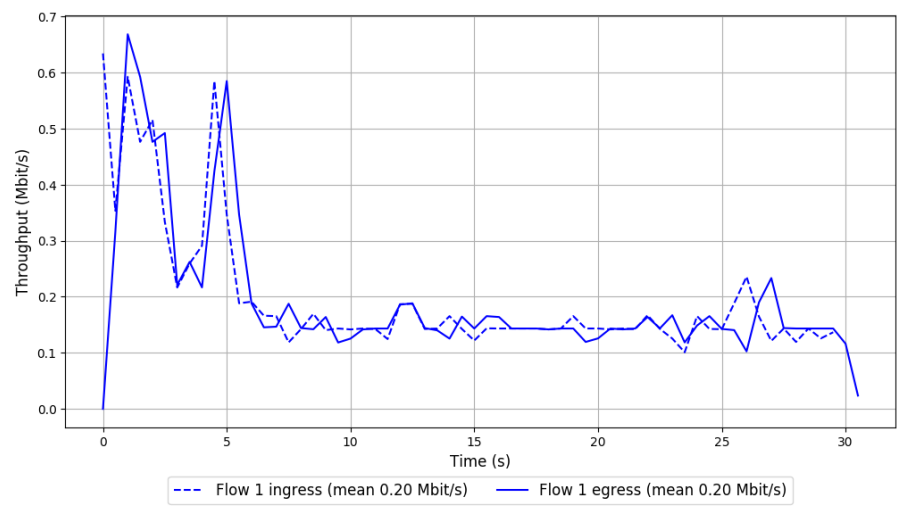


Run 2: Statistics of Sprout

Start at: 2018-08-09 00:26:17
End at: 2018-08-09 00:26:47
Local clock offset: 18.956 ms
Remote clock offset: 20.083 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.645 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

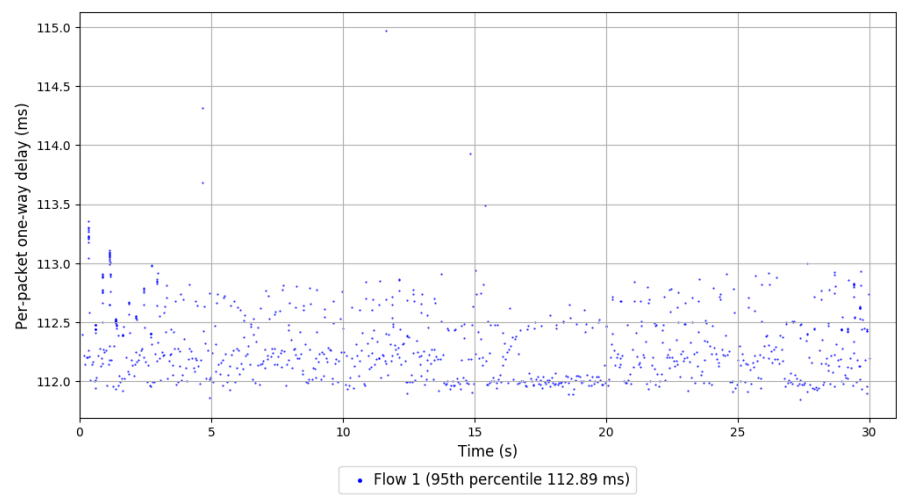
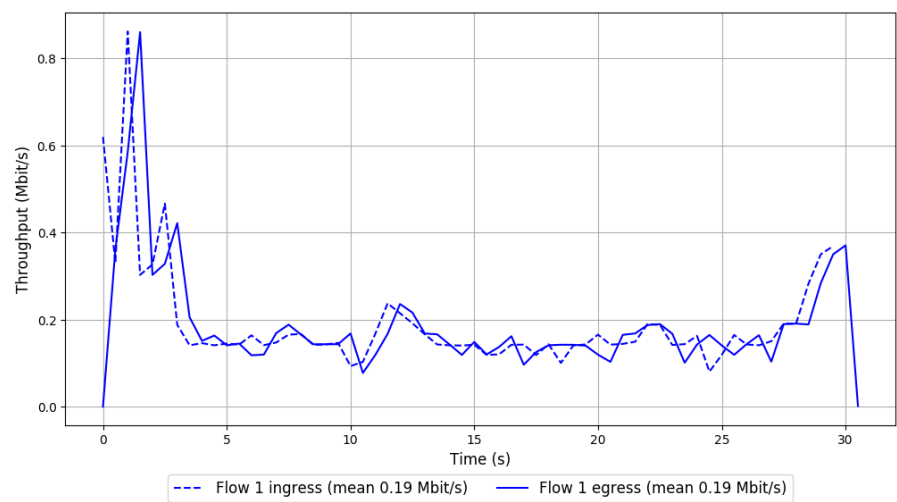


Run 3: Statistics of Sprout

Start at: 2018-08-09 00:48:26
End at: 2018-08-09 00:48:56
Local clock offset: 33.95 ms
Remote clock offset: 35.308 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.885 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

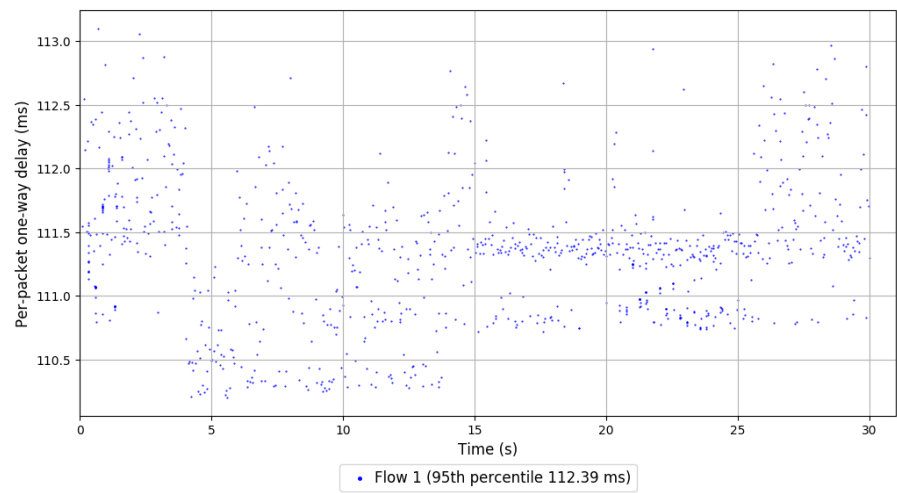
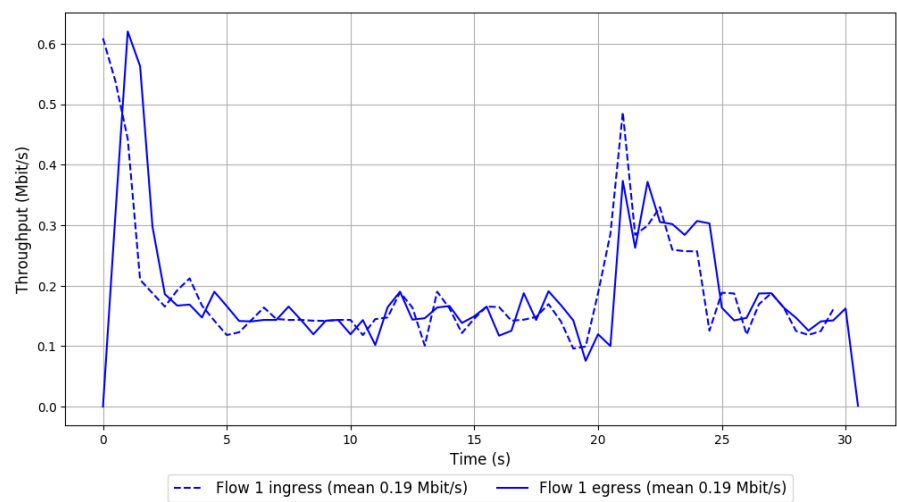


Run 4: Statistics of Sprout

Start at: 2018-08-09 01:10:29
End at: 2018-08-09 01:10:59
Local clock offset: 15.341 ms
Remote clock offset: 15.149 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.387 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

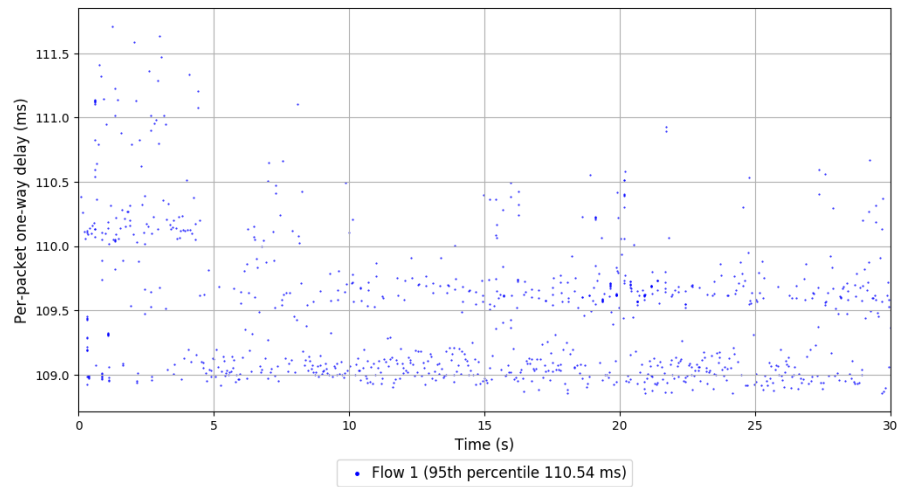
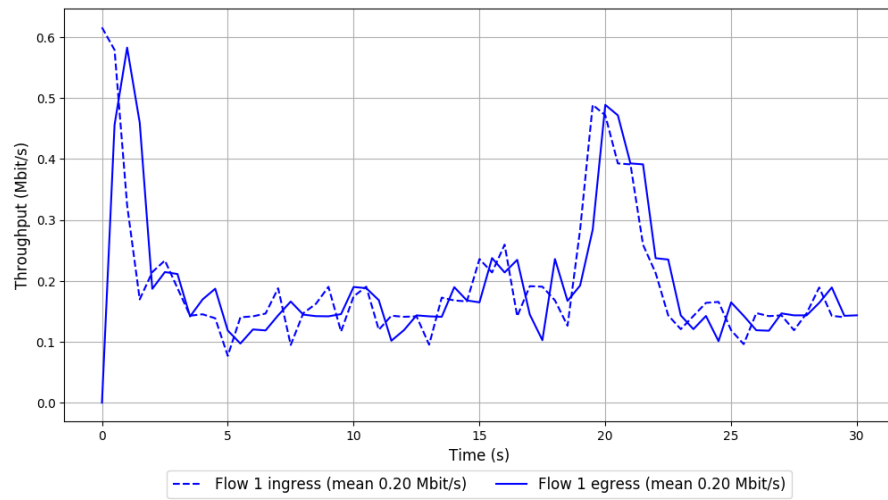


Run 5: Statistics of Sprout

Start at: 2018-08-09 01:32:48
End at: 2018-08-09 01:33:18
Local clock offset: 13.49 ms
Remote clock offset: 12.278 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.542 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-09 01:55:18

End at: 2018-08-09 01:55:48

Local clock offset: 8.332 ms

Remote clock offset: 9.016 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 112.423 ms

Loss rate: 0.00%

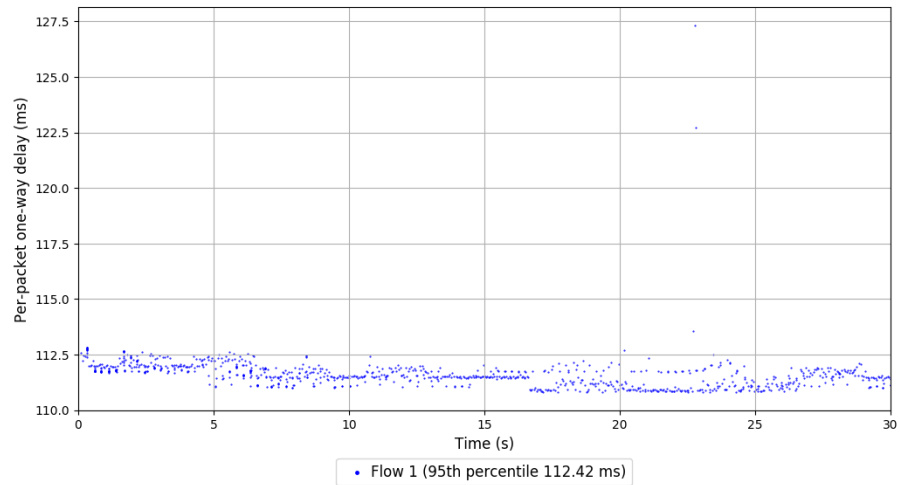
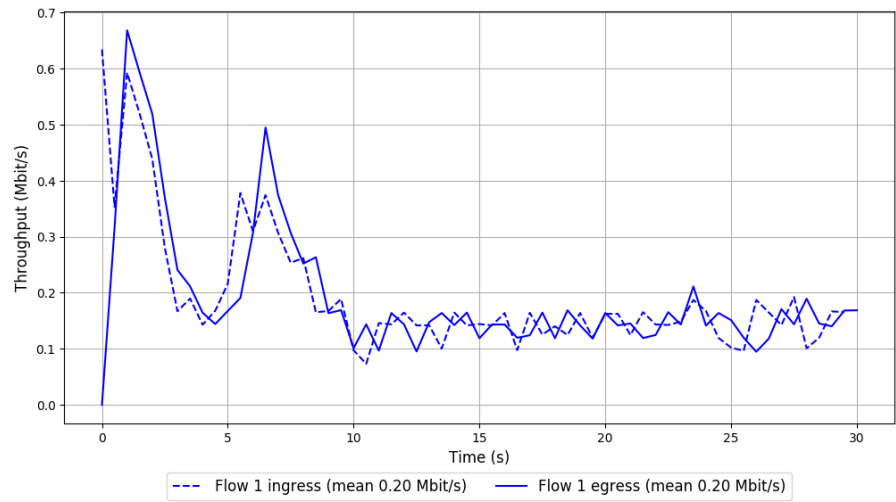
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 112.423 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-08-09 02:17:29

End at: 2018-08-09 02:17:59

Local clock offset: 2.666 ms

Remote clock offset: 2.482 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 111.812 ms

Loss rate: 0.00%

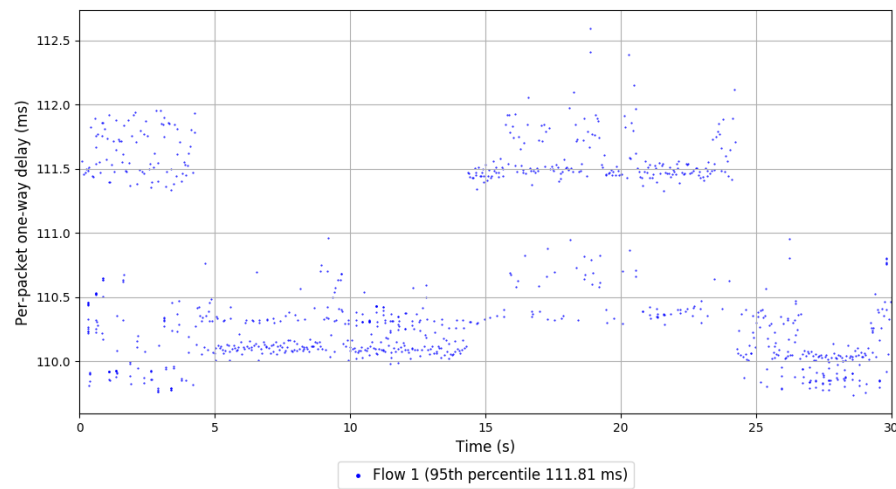
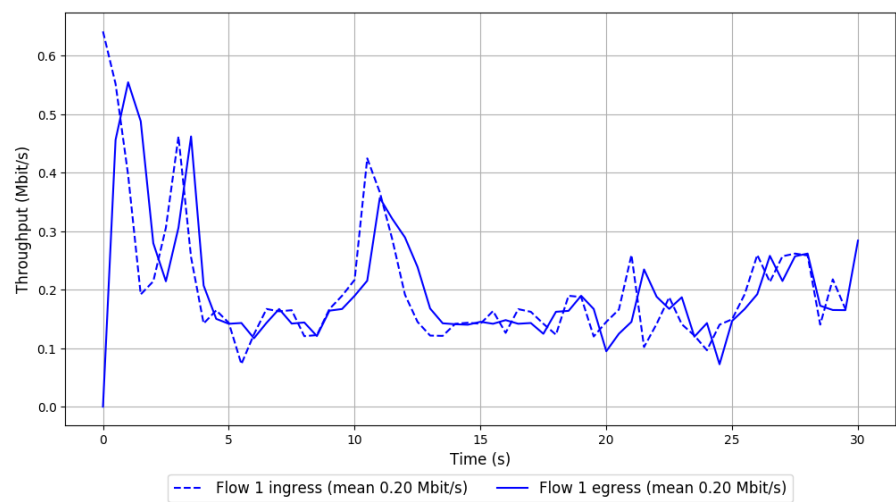
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 111.812 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

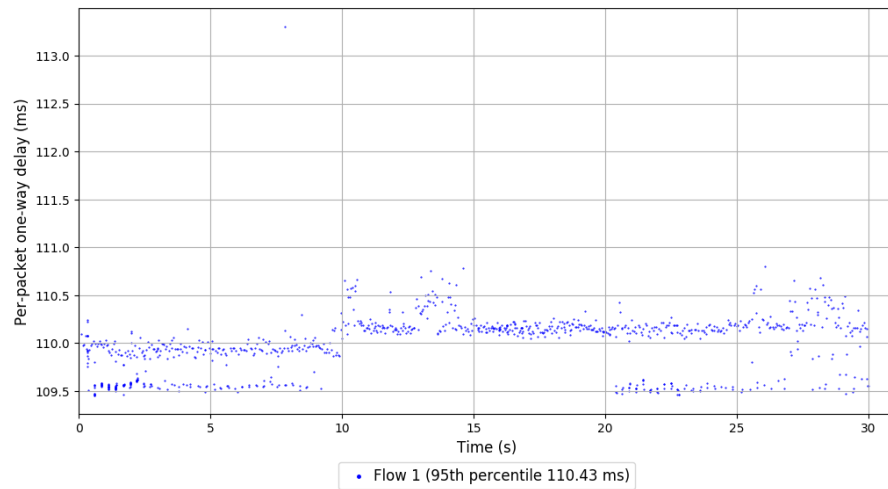
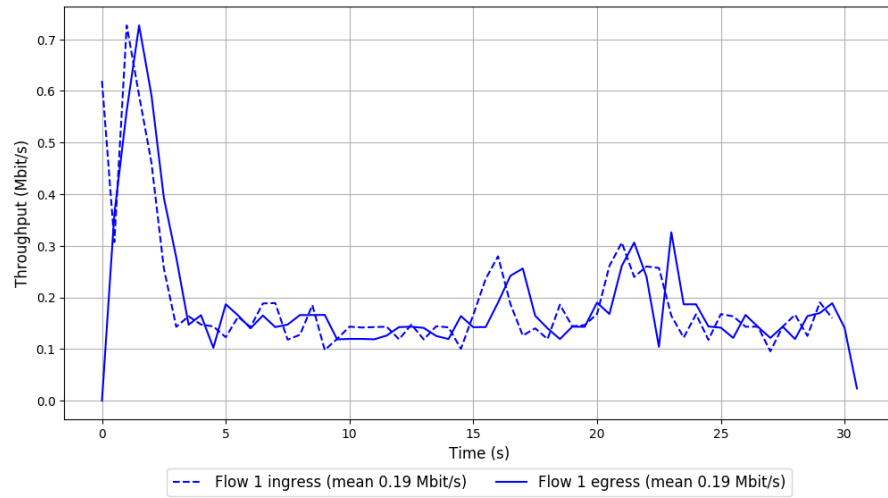


Run 8: Statistics of Sprout

Start at: 2018-08-09 02:39:53
End at: 2018-08-09 02:40:23
Local clock offset: 2.803 ms
Remote clock offset: 1.664 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.428 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-09 03:02:19

End at: 2018-08-09 03:02:49

Local clock offset: 0.571 ms

Remote clock offset: 0.931 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 112.516 ms

Loss rate: 0.00%

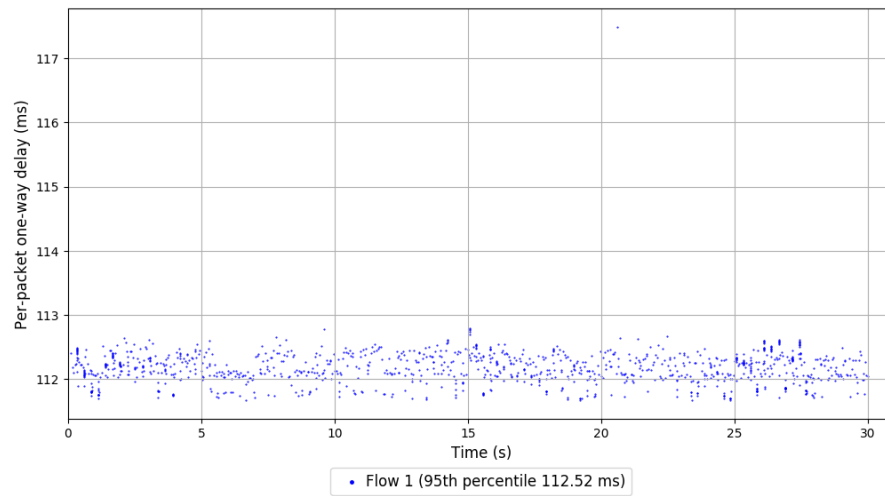
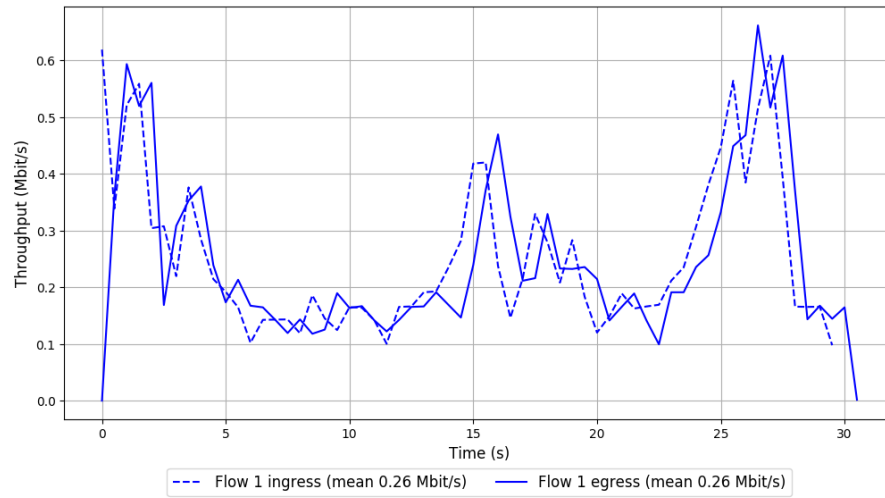
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 112.516 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-09 03:24:28

End at: 2018-08-09 03:24:58

Local clock offset: 0.223 ms

Remote clock offset: 0.714 ms

Below is generated by plot.py at 2018-08-09 04:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 112.036 ms

Loss rate: 0.00%

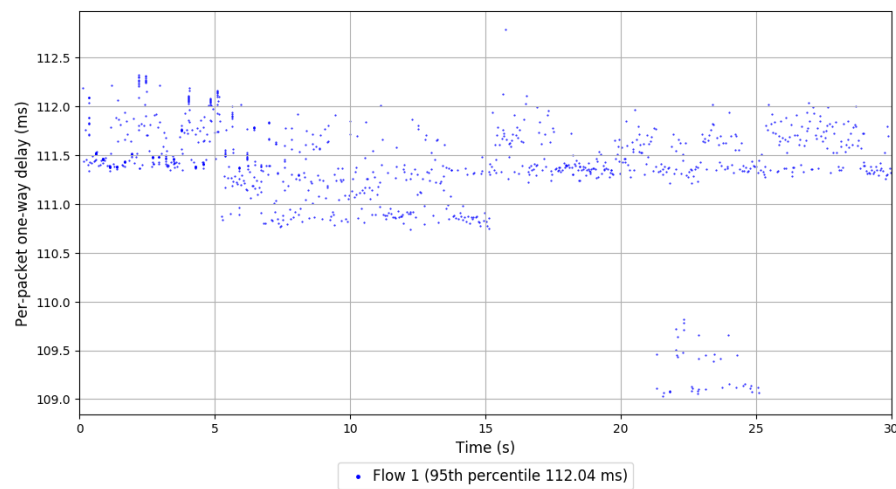
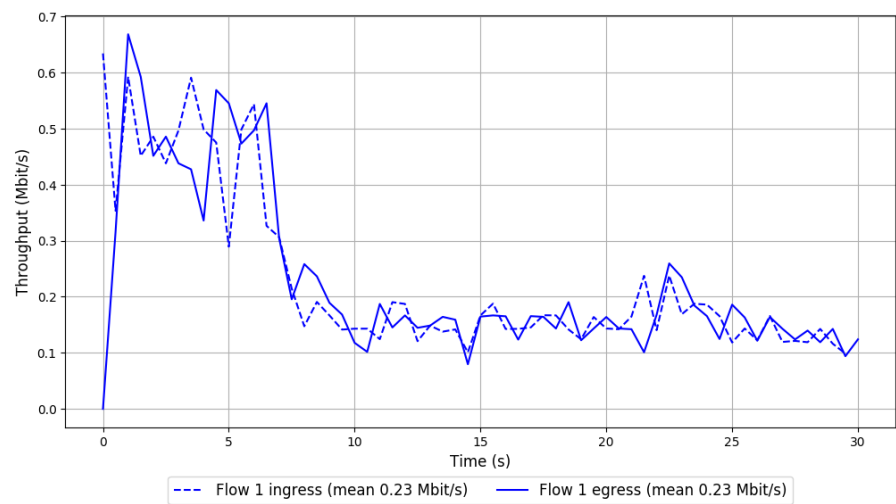
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 112.036 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

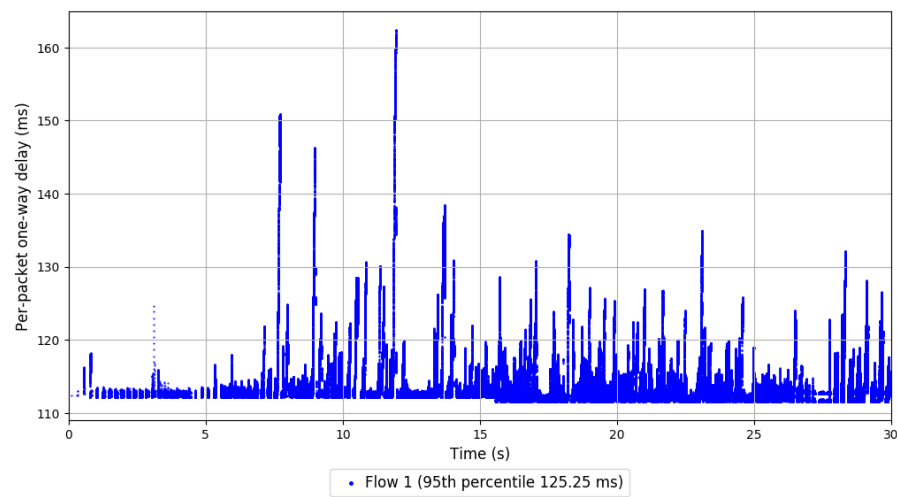
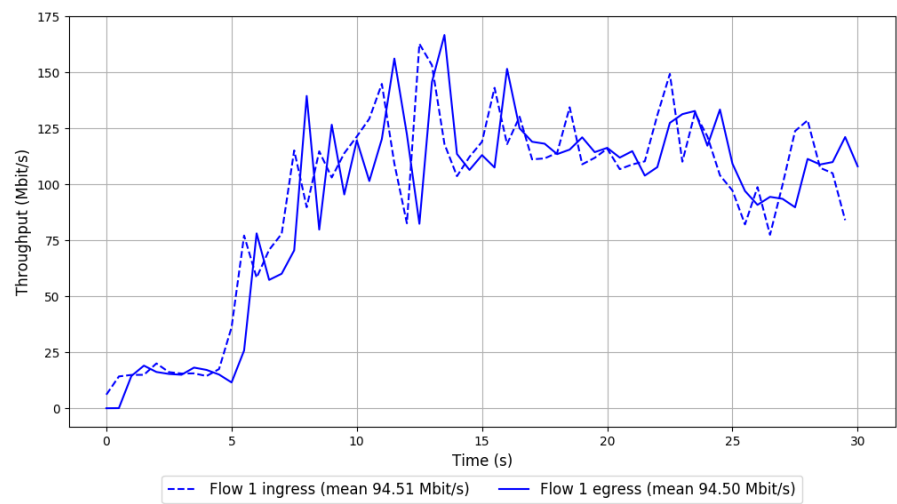


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-08 23:55:07
End at: 2018-08-08 23:55:37
Local clock offset: 7.669 ms
Remote clock offset: 8.924 ms

# Below is generated by plot.py at 2018-08-09 04:49:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 125.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 125.252 ms
Loss rate: 0.00%
```

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

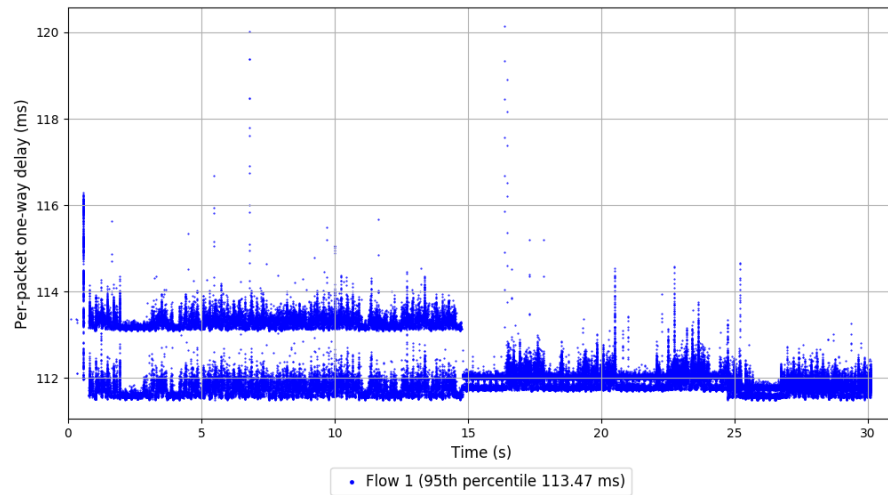
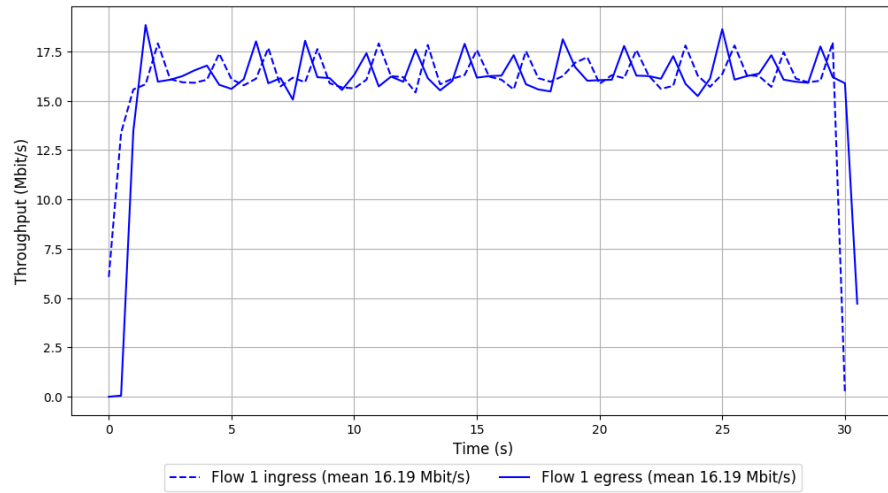


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 00:17:48
End at: 2018-08-09 00:18:18
Local clock offset: 23.526 ms
Remote clock offset: 25.139 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.19 Mbit/s
95th percentile per-packet one-way delay: 113.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.19 Mbit/s
95th percentile per-packet one-way delay: 113.466 ms
Loss rate: 0.00%

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

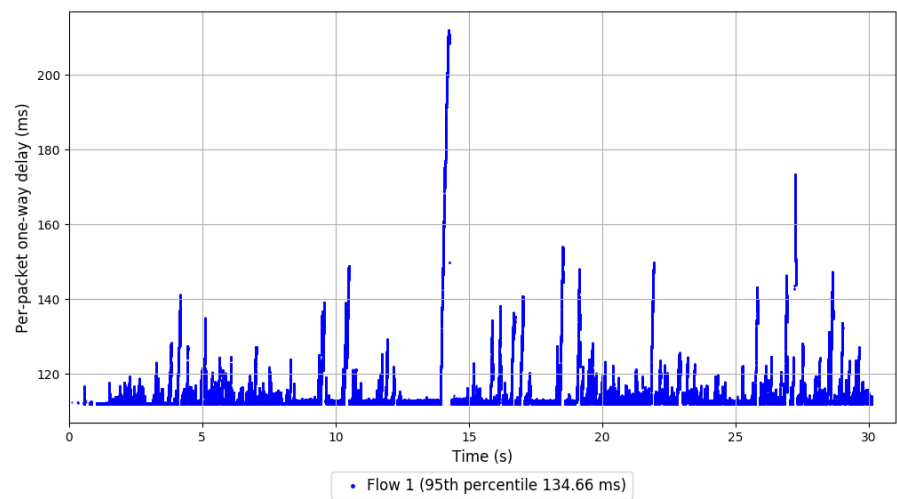
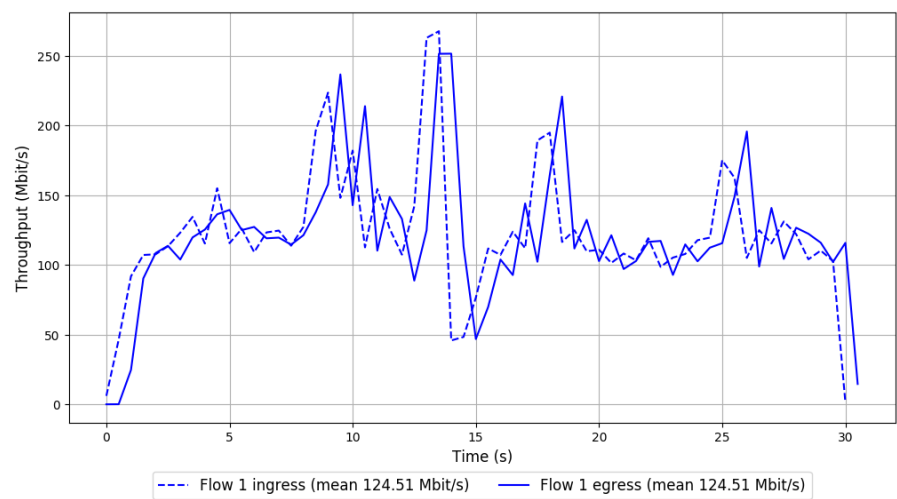


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 00:39:55
End at: 2018-08-09 00:40:25
Local clock offset: 25.715 ms
Remote clock offset: 26.799 ms

Below is generated by plot.py at 2018-08-09 04:50:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.51 Mbit/s
95th percentile per-packet one-way delay: 134.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.51 Mbit/s
95th percentile per-packet one-way delay: 134.662 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 01:02:11

End at: 2018-08-09 01:02:41

Local clock offset: 19.525 ms

Remote clock offset: 19.04 ms

Below is generated by plot.py at 2018-08-09 04:50:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.51 Mbit/s

95th percentile per-packet one-way delay: 122.411 ms

Loss rate: 0.00%

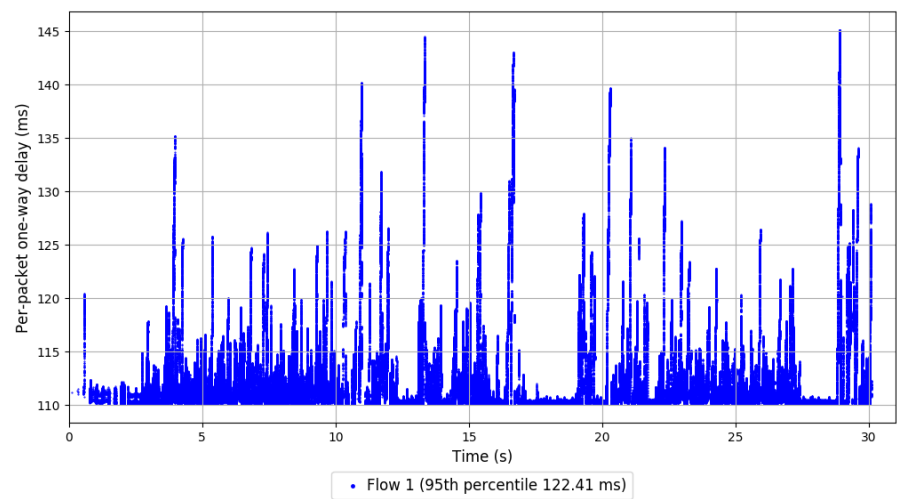
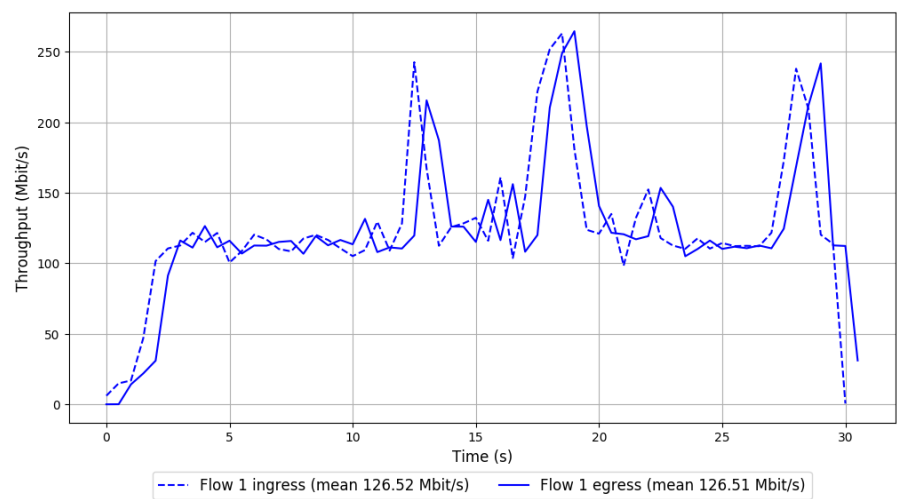
-- Flow 1:

Average throughput: 126.51 Mbit/s

95th percentile per-packet one-way delay: 122.411 ms

Loss rate: 0.00%

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

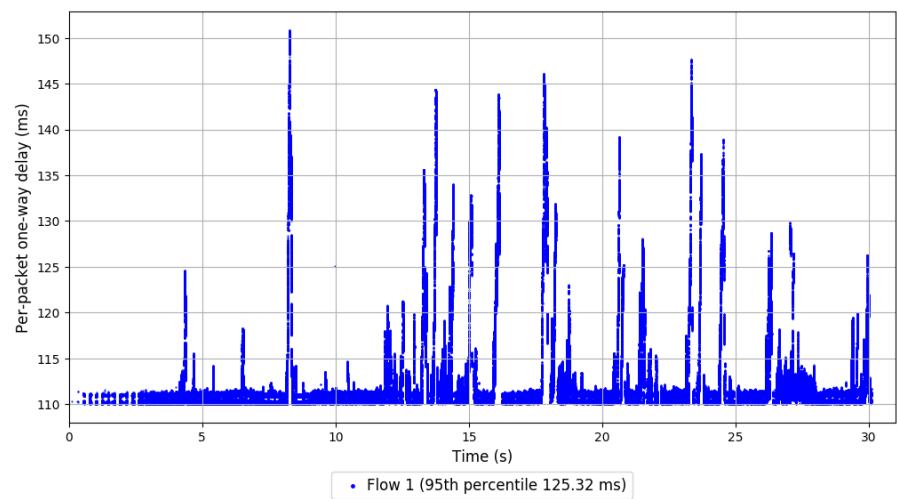
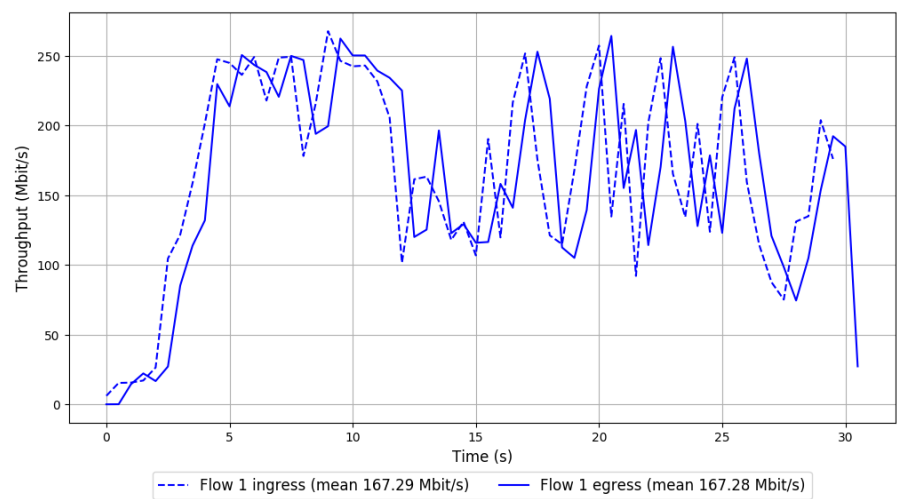


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 01:24:07
End at: 2018-08-09 01:24:37
Local clock offset: 18.904 ms
Remote clock offset: 18.968 ms

Below is generated by plot.py at 2018-08-09 04:51:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.28 Mbit/s
95th percentile per-packet one-way delay: 125.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.28 Mbit/s
95th percentile per-packet one-way delay: 125.323 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 01:46:47

End at: 2018-08-09 01:47:17

Local clock offset: 6.153 ms

Remote clock offset: 7.19 ms

Below is generated by plot.py at 2018-08-09 04:51:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.85 Mbit/s

95th percentile per-packet one-way delay: 117.489 ms

Loss rate: 0.00%

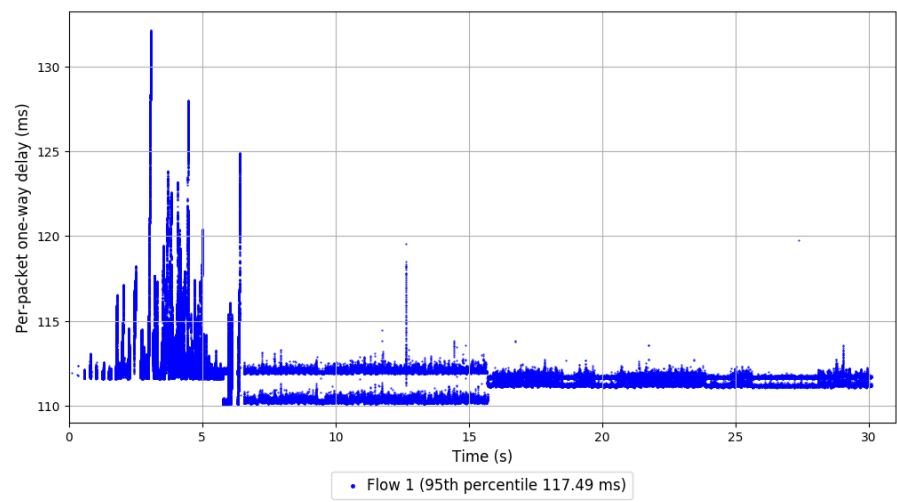
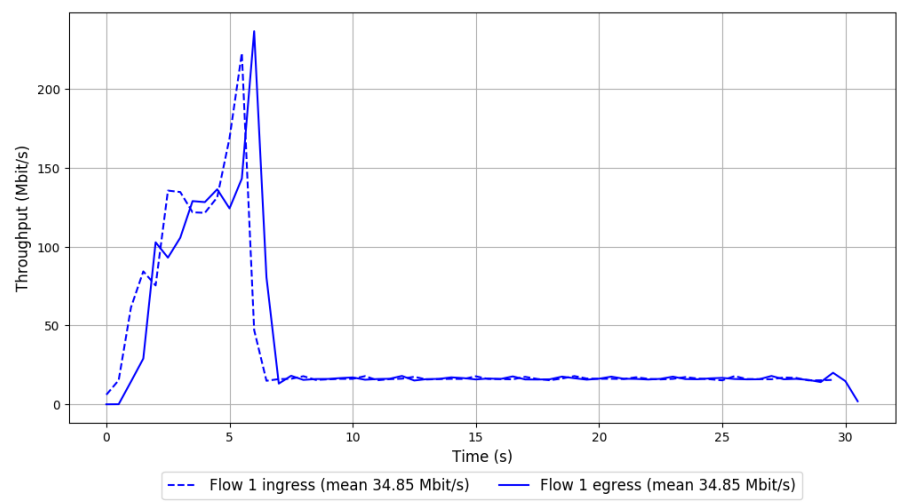
-- Flow 1:

Average throughput: 34.85 Mbit/s

95th percentile per-packet one-way delay: 117.489 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 02:09:05

End at: 2018-08-09 02:09:35

Local clock offset: 4.299 ms

Remote clock offset: 4.615 ms

Below is generated by plot.py at 2018-08-09 04:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.81 Mbit/s

95th percentile per-packet one-way delay: 127.382 ms

Loss rate: 0.00%

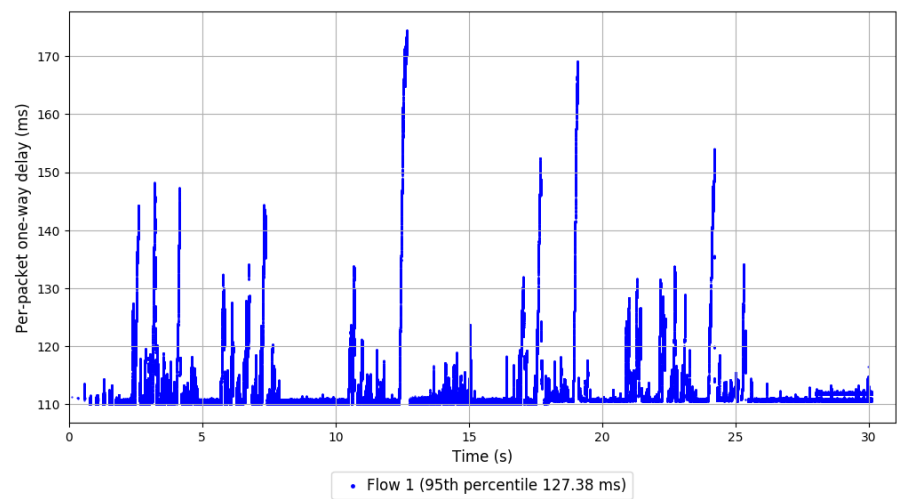
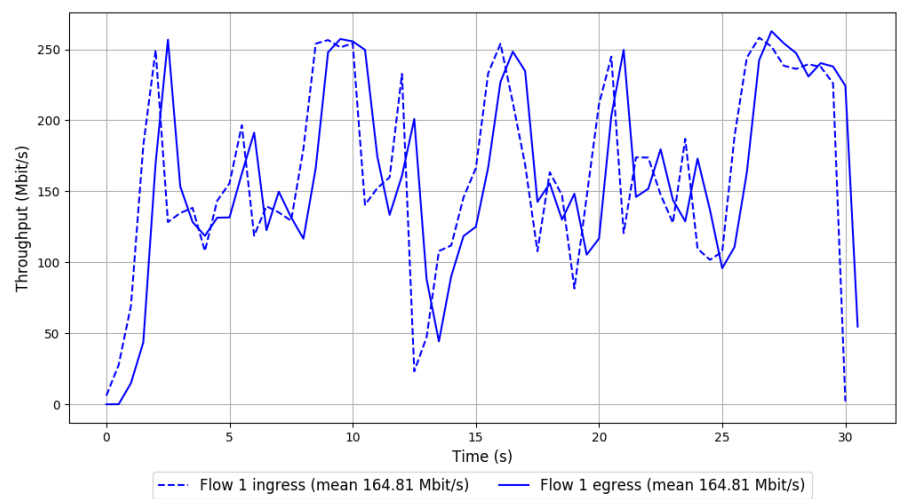
-- Flow 1:

Average throughput: 164.81 Mbit/s

95th percentile per-packet one-way delay: 127.382 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 02:31:09

End at: 2018-08-09 02:31:39

Local clock offset: 0.952 ms

Remote clock offset: 2.506 ms

Below is generated by plot.py at 2018-08-09 04:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.13 Mbit/s

95th percentile per-packet one-way delay: 130.053 ms

Loss rate: 0.00%

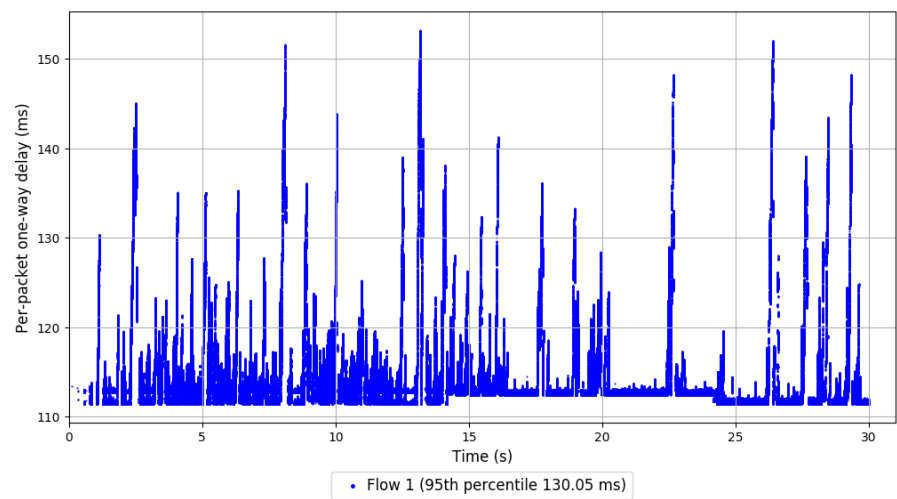
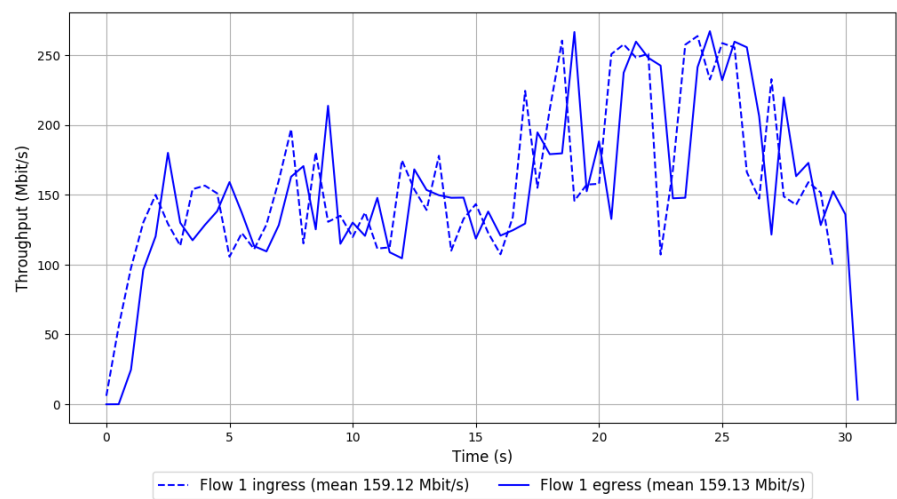
-- Flow 1:

Average throughput: 159.13 Mbit/s

95th percentile per-packet one-way delay: 130.053 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 02:53:48

End at: 2018-08-09 02:54:18

Local clock offset: 0.745 ms

Remote clock offset: 0.968 ms

Below is generated by plot.py at 2018-08-09 04:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.10 Mbit/s

95th percentile per-packet one-way delay: 125.474 ms

Loss rate: 0.00%

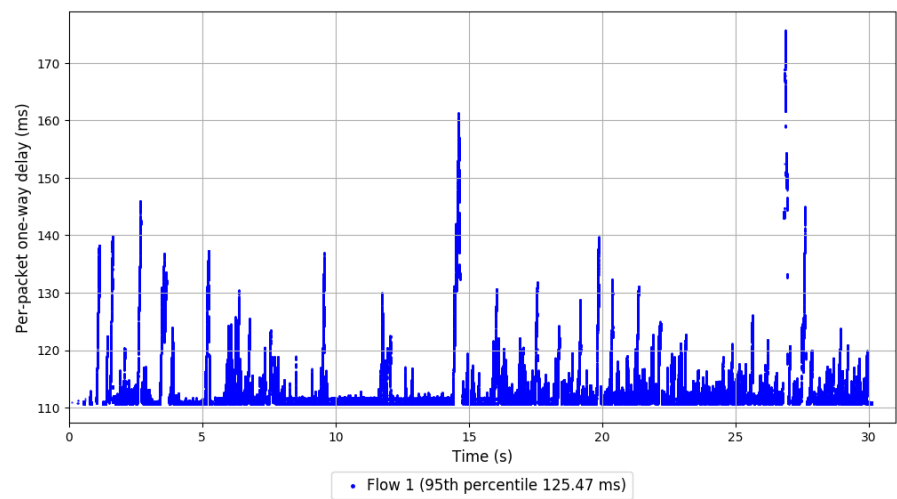
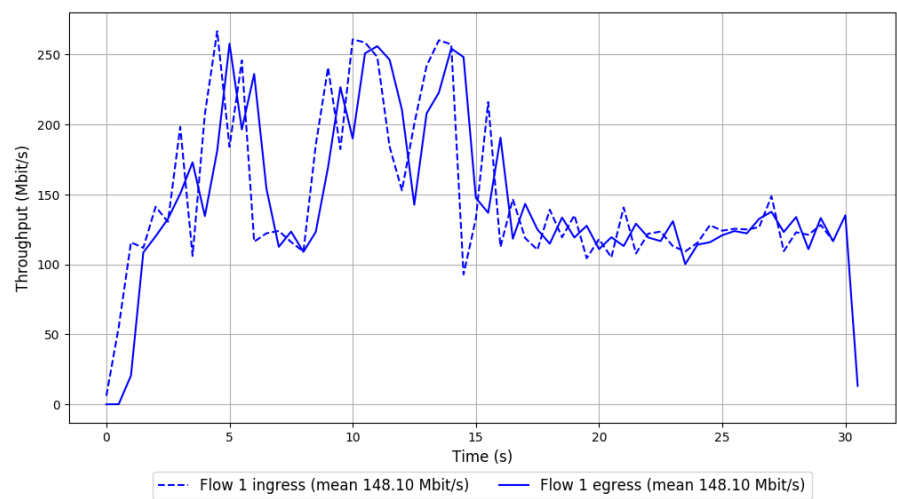
-- Flow 1:

Average throughput: 148.10 Mbit/s

95th percentile per-packet one-way delay: 125.474 ms

Loss rate: 0.00%

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

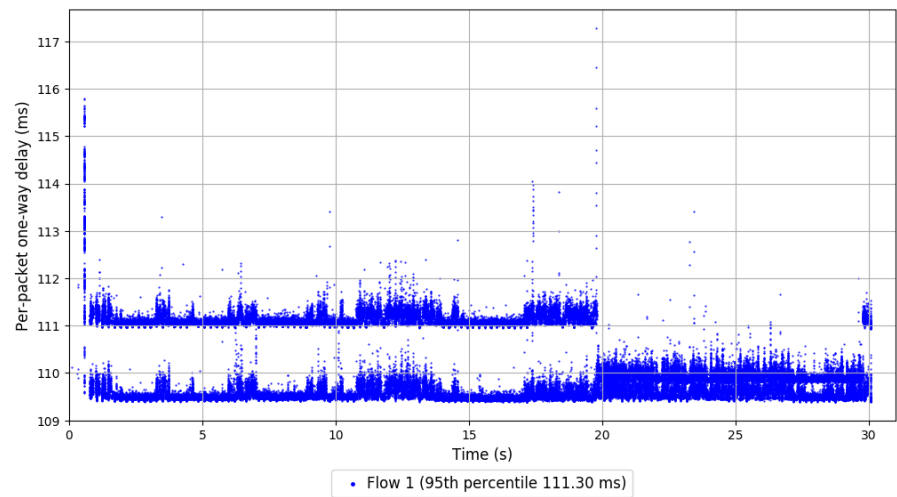
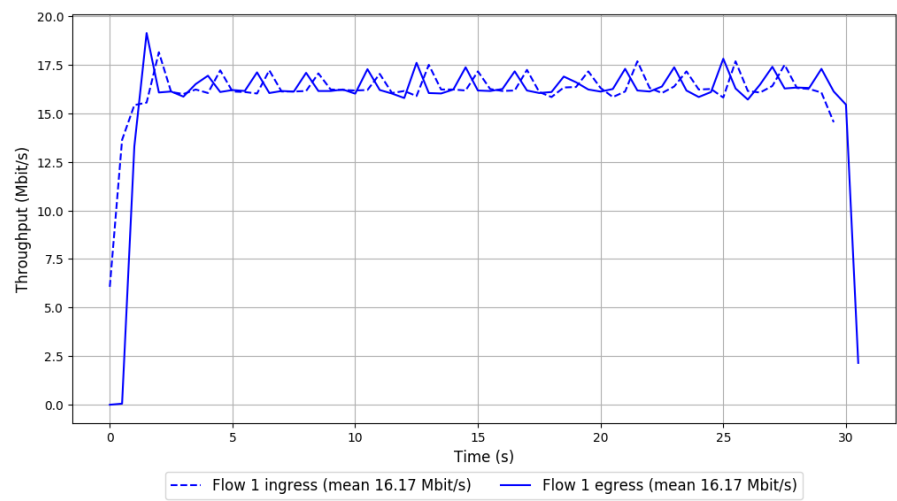


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 03:16:03
End at: 2018-08-09 03:16:33
Local clock offset: 0.593 ms
Remote clock offset: 0.525 ms

# Below is generated by plot.py at 2018-08-09 04:53:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 111.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 111.298 ms
Loss rate: 0.00%
```

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

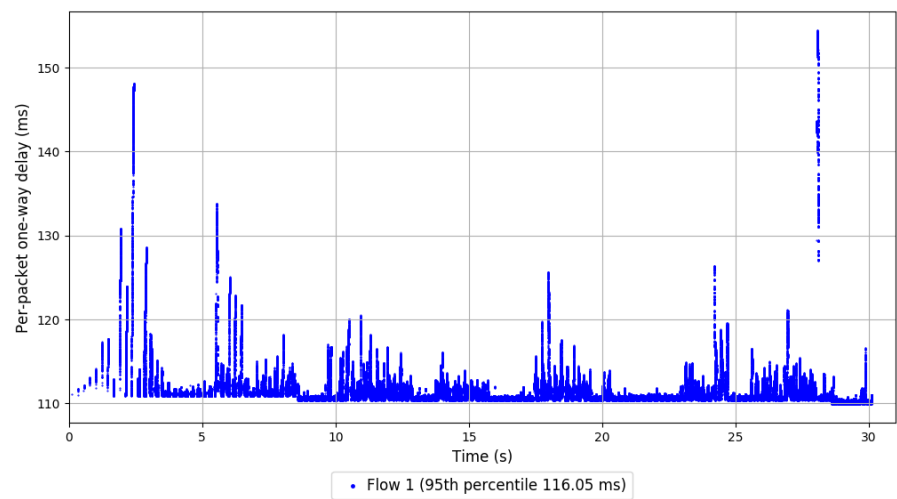
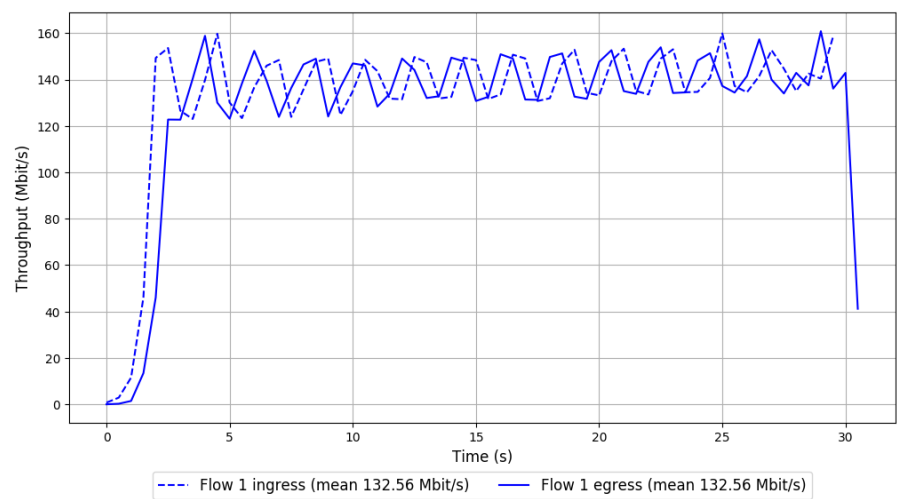


Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 00:06:24
End at: 2018-08-09 00:06:54
Local clock offset: 13.288 ms
Remote clock offset: 13.376 ms

Below is generated by plot.py at 2018-08-09 04:53:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.56 Mbit/s
95th percentile per-packet one-way delay: 116.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.56 Mbit/s
95th percentile per-packet one-way delay: 116.052 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

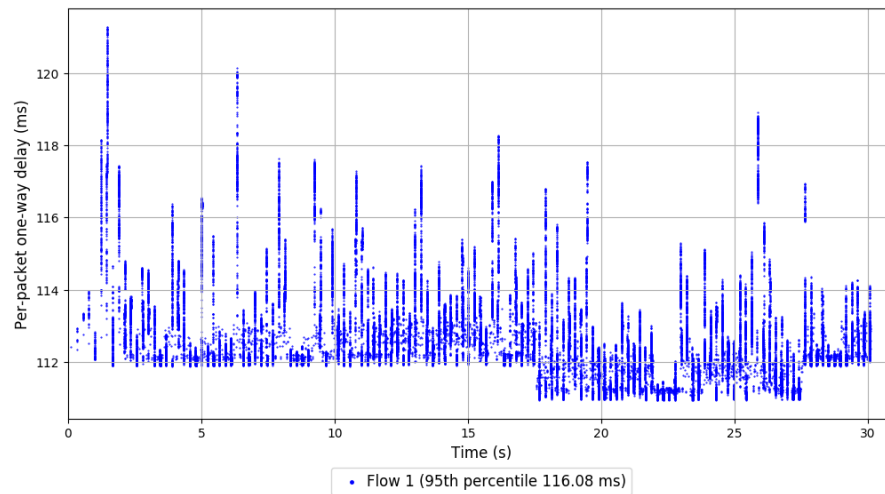
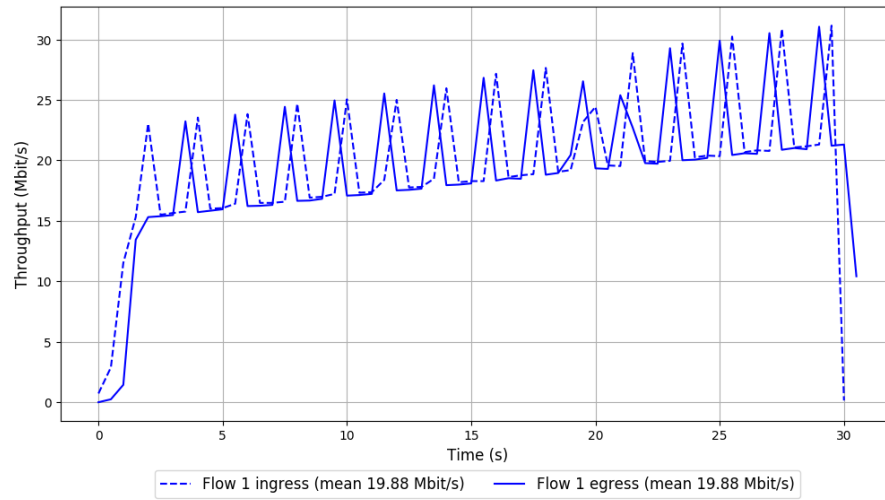


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 00:28:45
End at: 2018-08-09 00:29:15
Local clock offset: 18.934 ms
Remote clock offset: 20.018 ms

Below is generated by plot.py at 2018-08-09 04:53:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 116.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 116.082 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

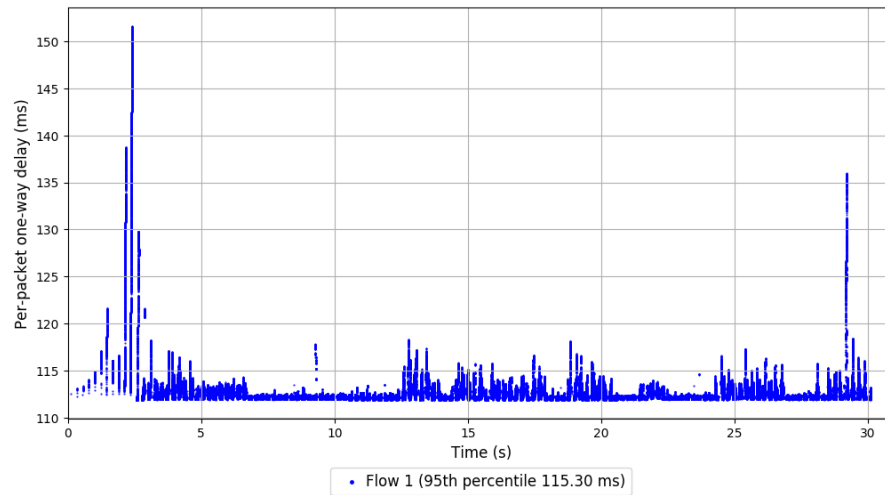
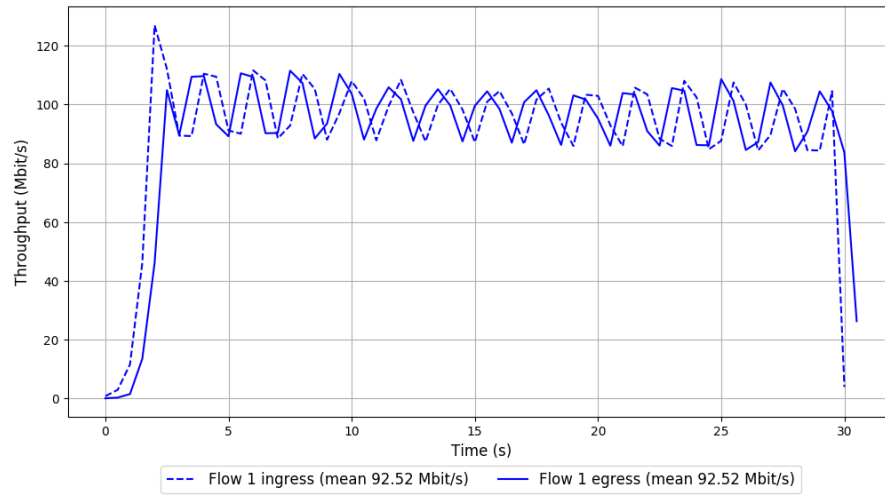


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 00:50:52
End at: 2018-08-09 00:51:22
Local clock offset: 36.62 ms
Remote clock offset: 37.661 ms

Below is generated by plot.py at 2018-08-09 04:53:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 115.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 115.297 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

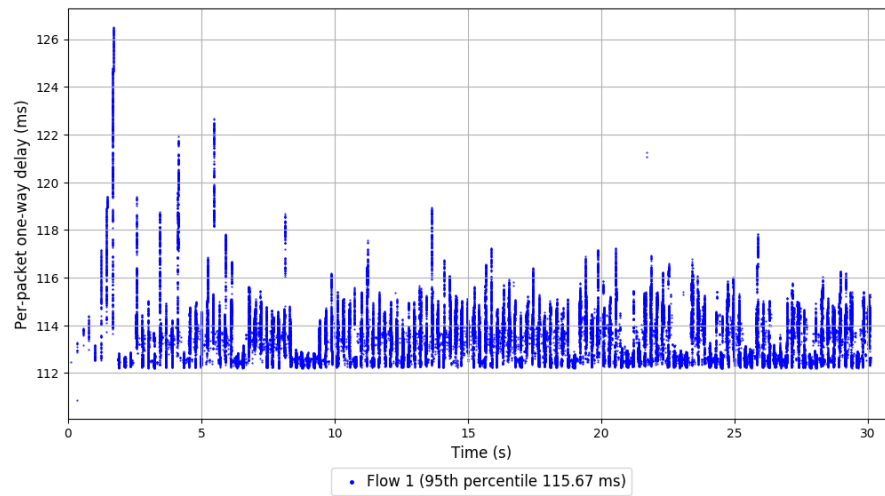
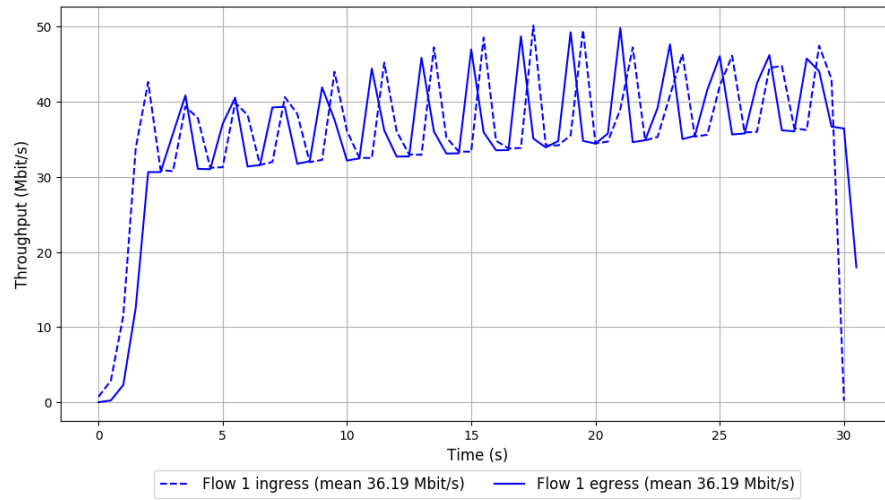


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 01:12:54
End at: 2018-08-09 01:13:24
Local clock offset: 13.861 ms
Remote clock offset: 15.313 ms

Below is generated by plot.py at 2018-08-09 04:53:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 115.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 115.671 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 01:35:22

End at: 2018-08-09 01:35:52

Local clock offset: 10.071 ms

Remote clock offset: 9.999 ms

Below is generated by plot.py at 2018-08-09 04:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.62 Mbit/s

95th percentile per-packet one-way delay: 114.692 ms

Loss rate: 0.02%

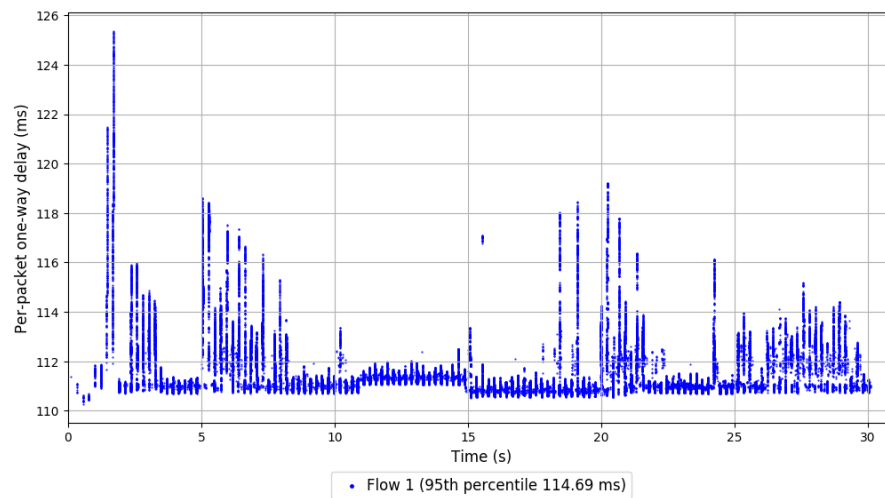
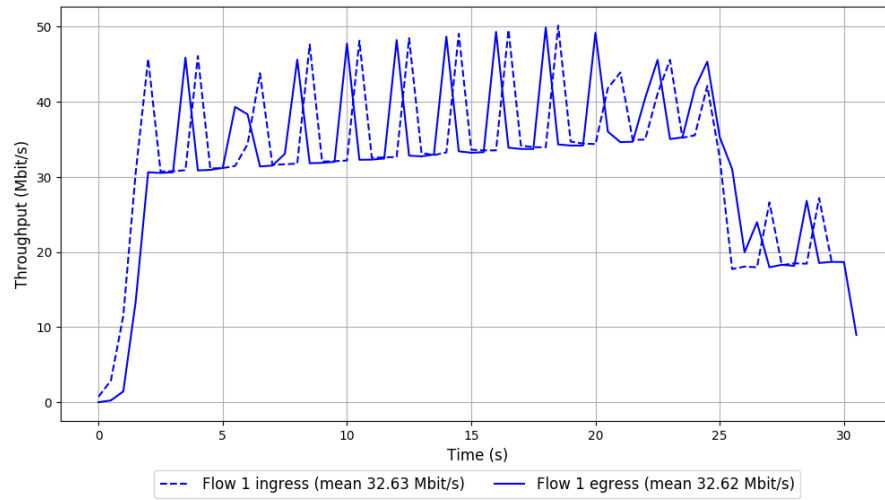
-- Flow 1:

Average throughput: 32.62 Mbit/s

95th percentile per-packet one-way delay: 114.692 ms

Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 01:57:50

End at: 2018-08-09 01:58:20

Local clock offset: 8.908 ms

Remote clock offset: 9.179 ms

Below is generated by plot.py at 2018-08-09 04:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.73 Mbit/s

95th percentile per-packet one-way delay: 114.360 ms

Loss rate: 0.03%

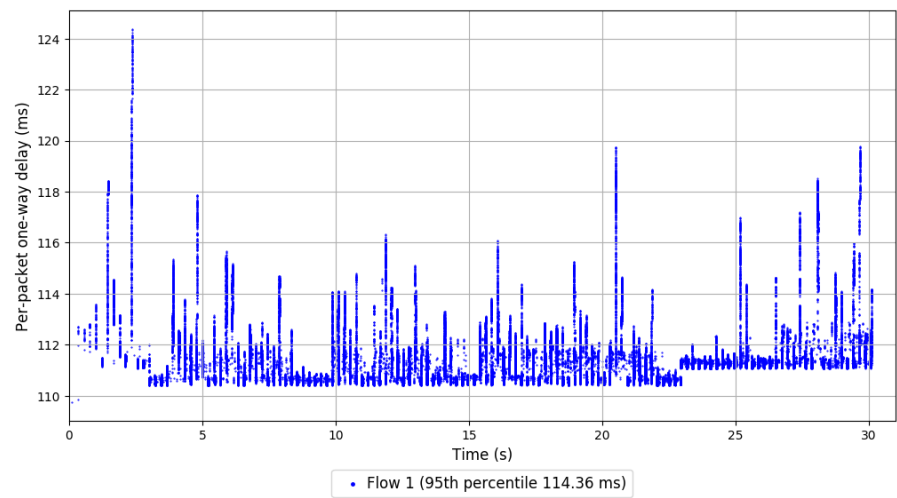
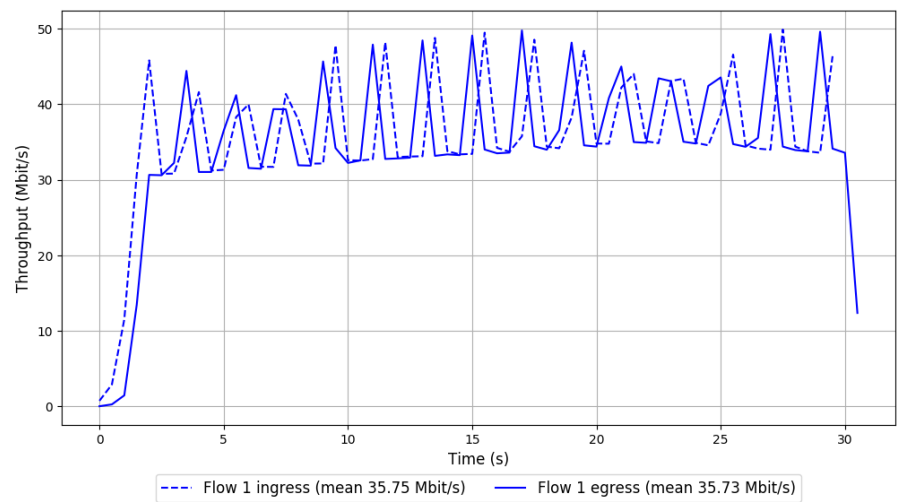
-- Flow 1:

Average throughput: 35.73 Mbit/s

95th percentile per-packet one-way delay: 114.360 ms

Loss rate: 0.03%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 02:19:55

End at: 2018-08-09 02:20:25

Local clock offset: 2.492 ms

Remote clock offset: 1.921 ms

Below is generated by plot.py at 2018-08-09 04:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.79 Mbit/s

95th percentile per-packet one-way delay: 113.486 ms

Loss rate: 0.01%

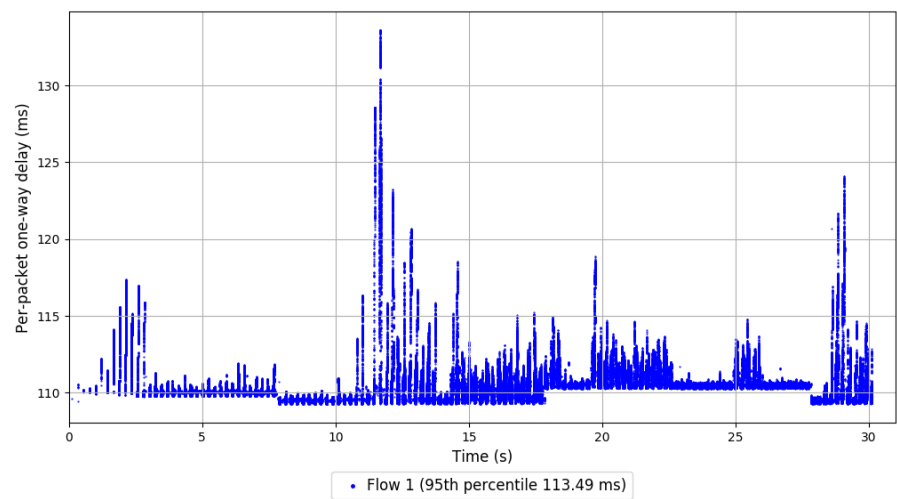
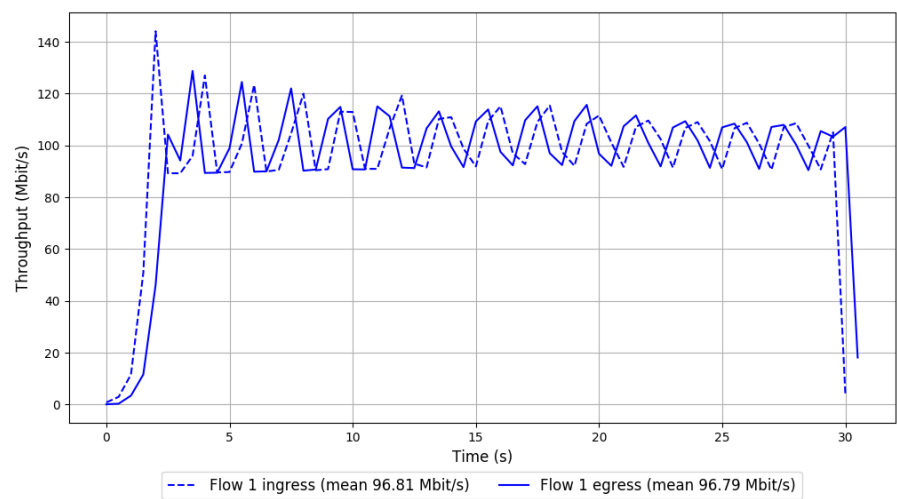
-- Flow 1:

Average throughput: 96.79 Mbit/s

95th percentile per-packet one-way delay: 113.486 ms

Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 02:42:30

End at: 2018-08-09 02:43:00

Local clock offset: 1.24 ms

Remote clock offset: 1.077 ms

Below is generated by plot.py at 2018-08-09 04:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.02 Mbit/s

95th percentile per-packet one-way delay: 114.638 ms

Loss rate: 0.00%

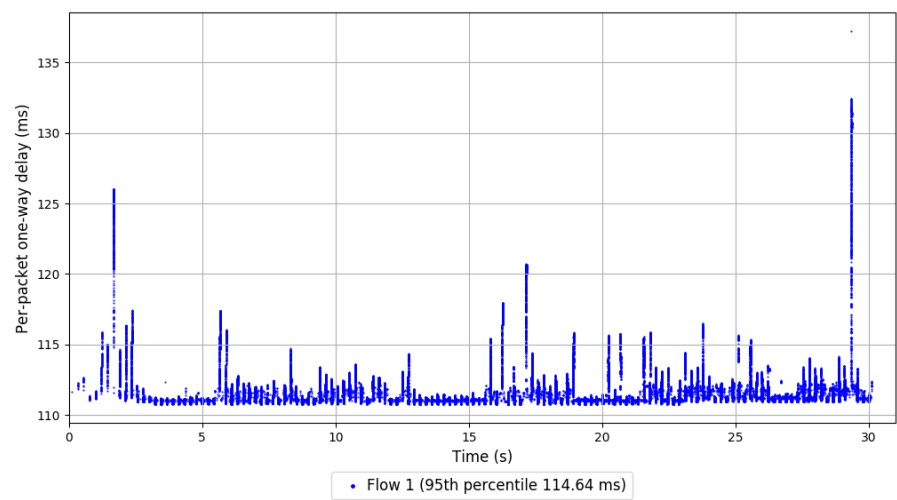
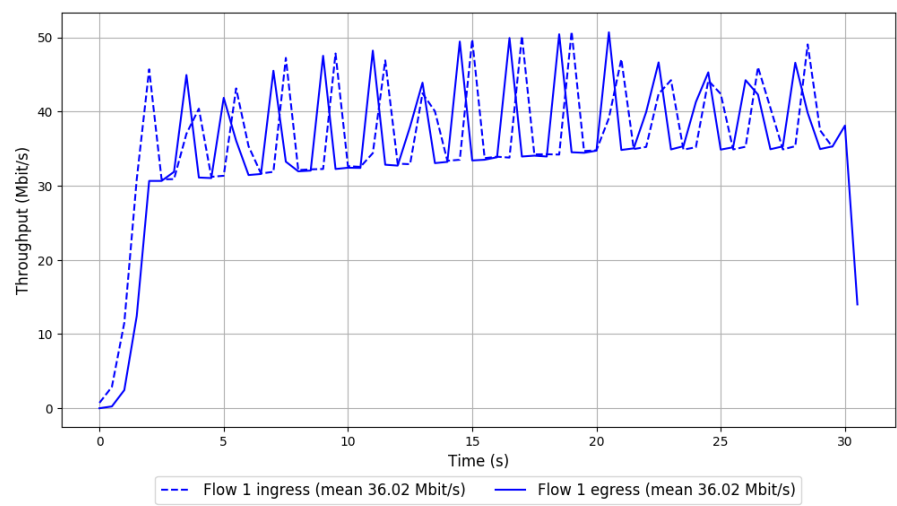
-- Flow 1:

Average throughput: 36.02 Mbit/s

95th percentile per-packet one-way delay: 114.638 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 03:04:52

End at: 2018-08-09 03:05:22

Local clock offset: 0.7 ms

Remote clock offset: 0.951 ms

Below is generated by plot.py at 2018-08-09 04:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.48 Mbit/s

95th percentile per-packet one-way delay: 115.985 ms

Loss rate: 0.00%

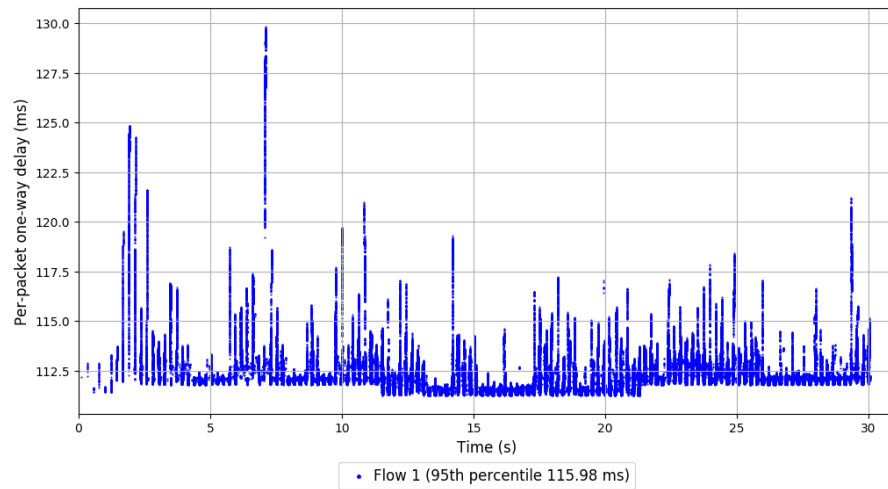
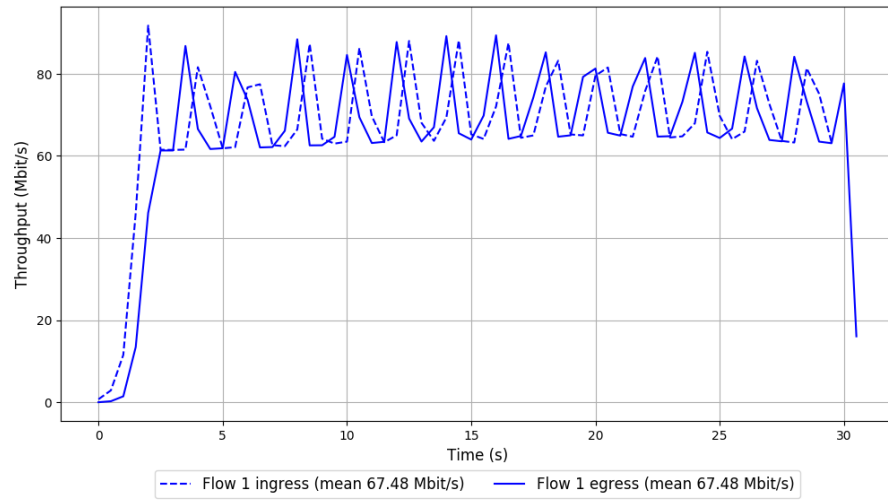
-- Flow 1:

Average throughput: 67.48 Mbit/s

95th percentile per-packet one-way delay: 115.985 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 03:27:00

End at: 2018-08-09 03:27:30

Local clock offset: -0.81 ms

Remote clock offset: 1.485 ms

Below is generated by plot.py at 2018-08-09 04:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.46 Mbit/s

95th percentile per-packet one-way delay: 116.351 ms

Loss rate: 0.00%

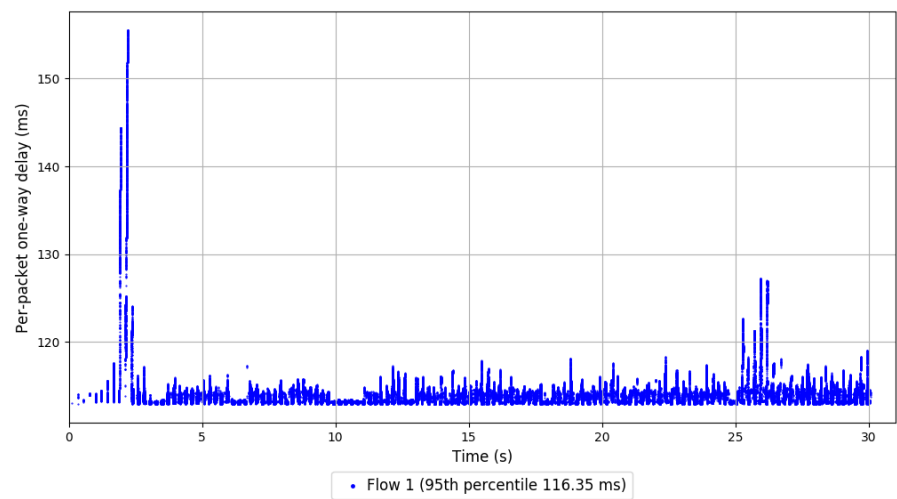
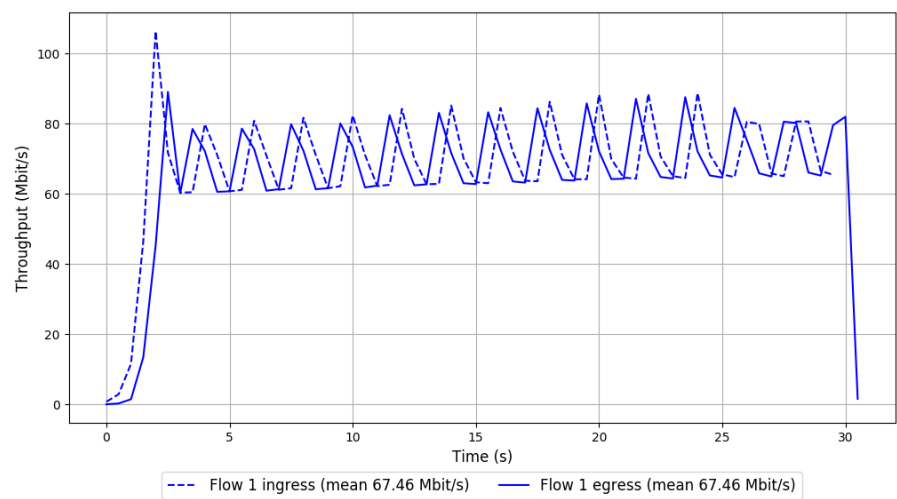
-- Flow 1:

Average throughput: 67.46 Mbit/s

95th percentile per-packet one-way delay: 116.351 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-08 23:52:41

End at: 2018-08-08 23:53:11

Local clock offset: 9.256 ms

Remote clock offset: 9.338 ms

Below is generated by plot.py at 2018-08-09 04:54:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.54 Mbit/s

95th percentile per-packet one-way delay: 323.676 ms

Loss rate: 15.84%

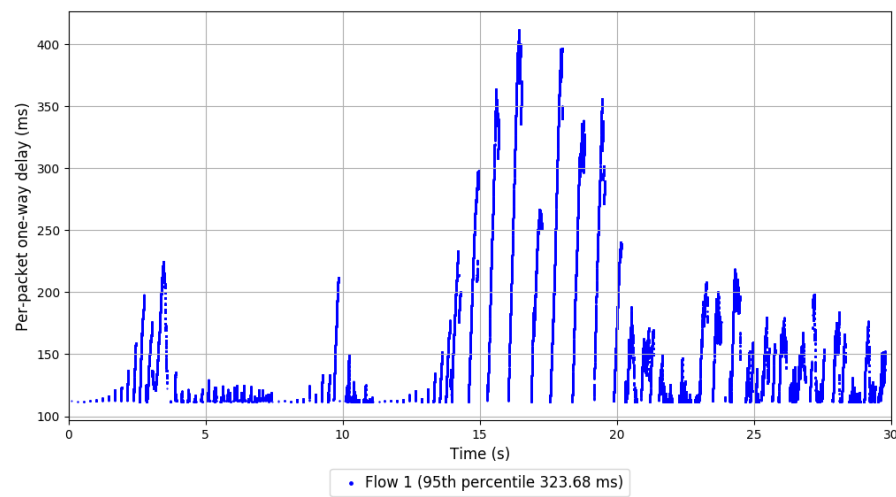
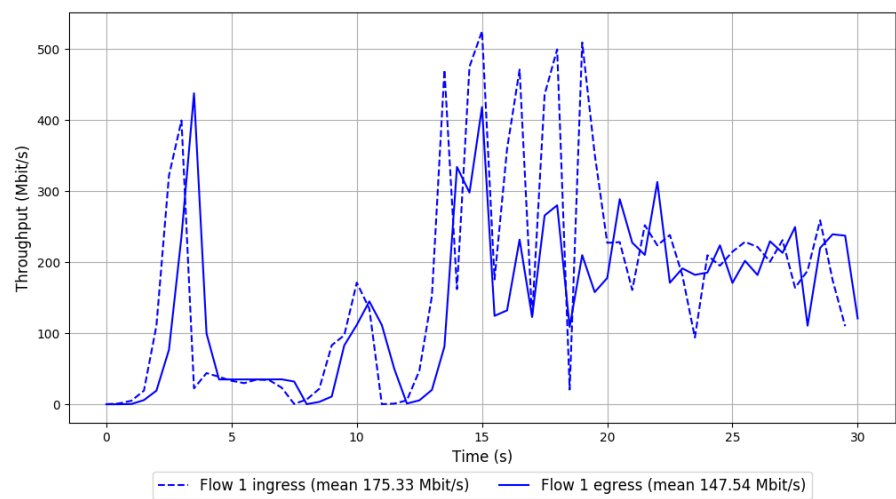
-- Flow 1:

Average throughput: 147.54 Mbit/s

95th percentile per-packet one-way delay: 323.676 ms

Loss rate: 15.84%

Run 1: Report of Verus — Data Link

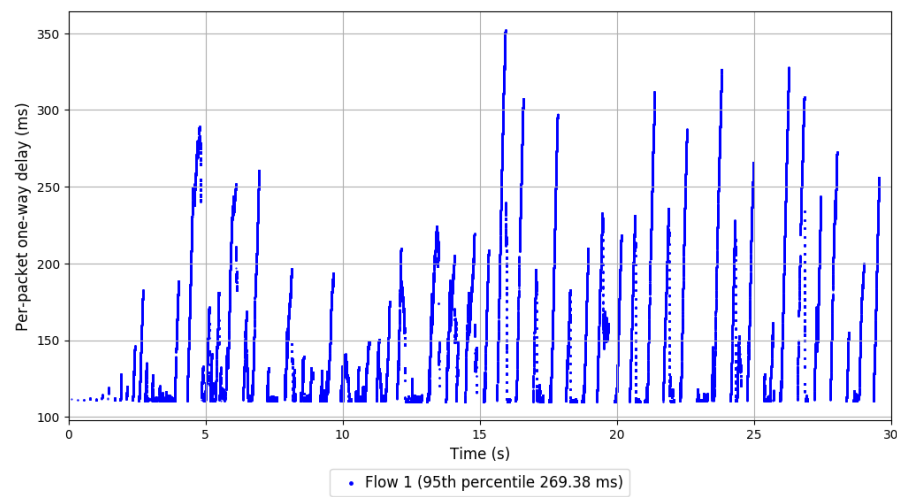
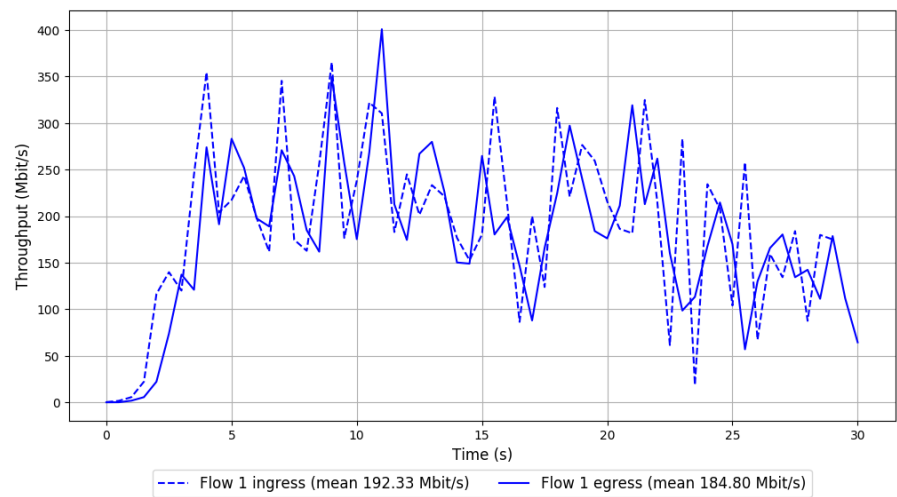


Run 2: Statistics of Verus

Start at: 2018-08-09 00:15:21
End at: 2018-08-09 00:15:51
Local clock offset: 21.356 ms
Remote clock offset: 21.322 ms

Below is generated by plot.py at 2018-08-09 04:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.80 Mbit/s
95th percentile per-packet one-way delay: 269.380 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 184.80 Mbit/s
95th percentile per-packet one-way delay: 269.380 ms
Loss rate: 3.44%

Run 2: Report of Verus — Data Link

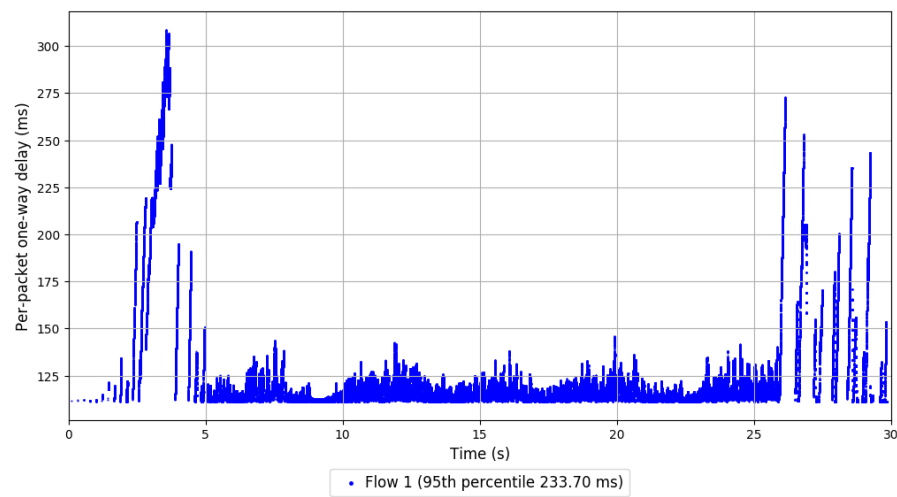
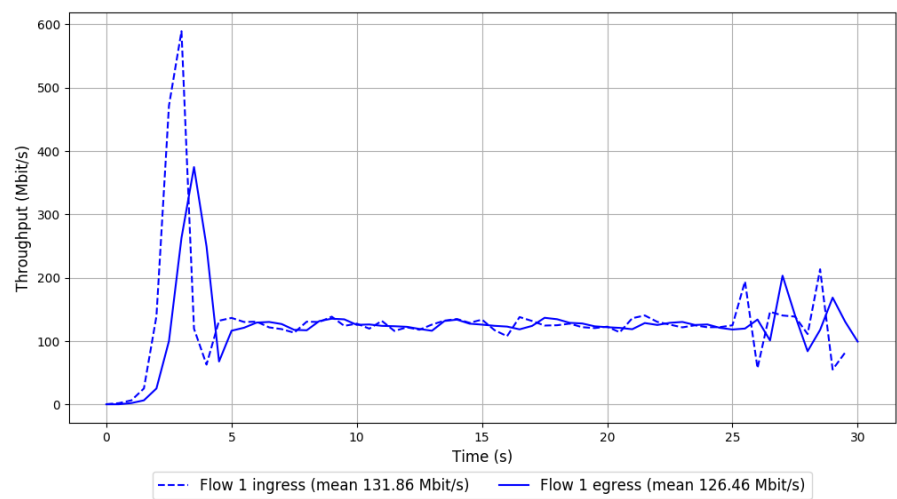


Run 3: Statistics of Verus

Start at: 2018-08-09 00:37:31
End at: 2018-08-09 00:38:01
Local clock offset: 24.545 ms
Remote clock offset: 24.796 ms

Below is generated by plot.py at 2018-08-09 04:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.46 Mbit/s
95th percentile per-packet one-way delay: 233.701 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 126.46 Mbit/s
95th percentile per-packet one-way delay: 233.701 ms
Loss rate: 4.10%

Run 3: Report of Verus — Data Link

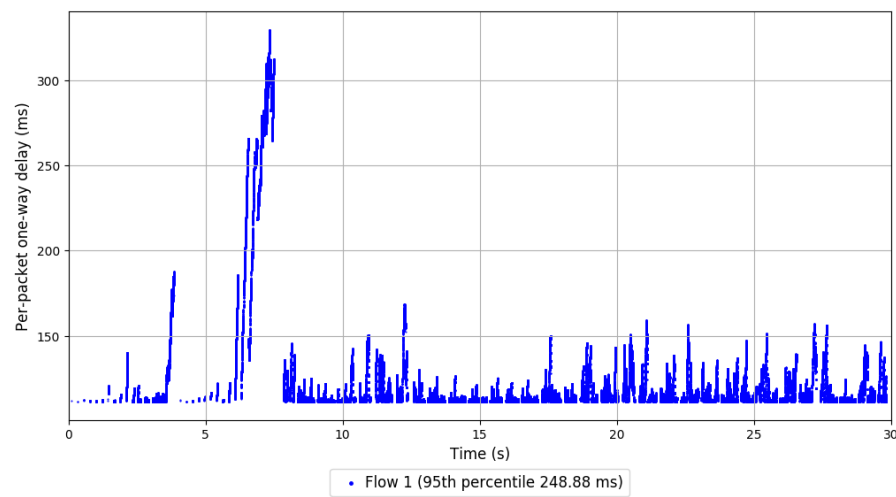
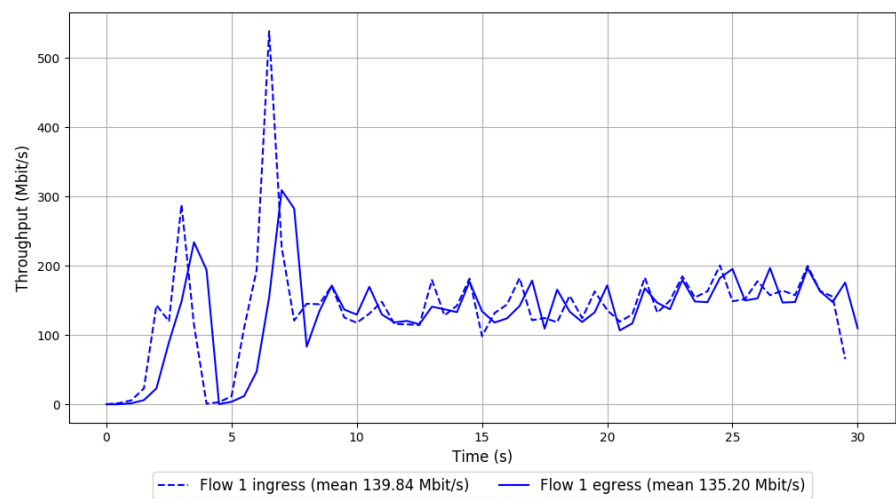


Run 4: Statistics of Verus

Start at: 2018-08-09 00:59:47
End at: 2018-08-09 01:00:17
Local clock offset: 21.814 ms
Remote clock offset: 22.636 ms

Below is generated by plot.py at 2018-08-09 04:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.20 Mbit/s
95th percentile per-packet one-way delay: 248.878 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 135.20 Mbit/s
95th percentile per-packet one-way delay: 248.878 ms
Loss rate: 3.32%

Run 4: Report of Verus — Data Link

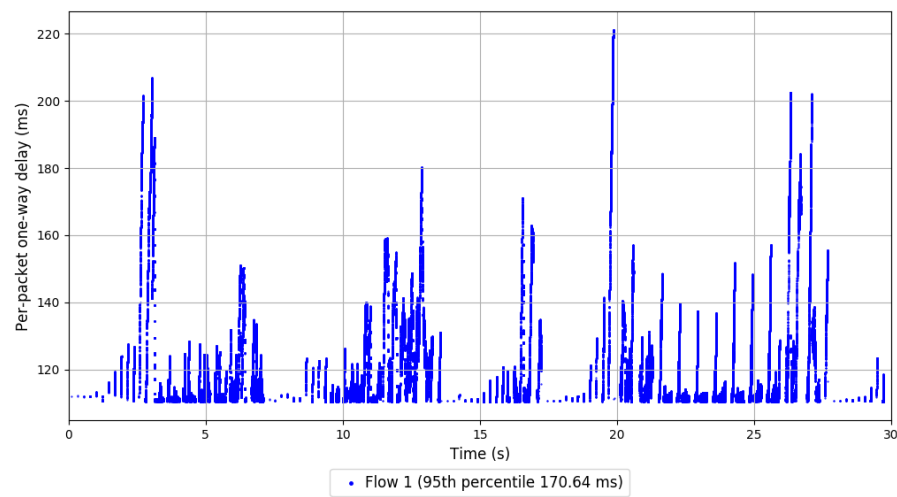
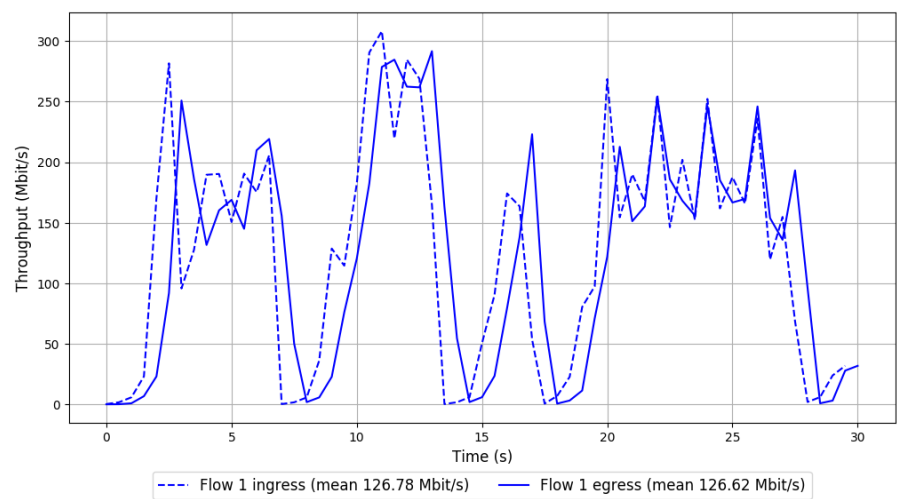


Run 5: Statistics of Verus

Start at: 2018-08-09 01:21:44
End at: 2018-08-09 01:22:14
Local clock offset: 18.088 ms
Remote clock offset: 17.713 ms

Below is generated by plot.py at 2018-08-09 04:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.62 Mbit/s
95th percentile per-packet one-way delay: 170.644 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 126.62 Mbit/s
95th percentile per-packet one-way delay: 170.644 ms
Loss rate: 0.10%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-09 01:44:23

End at: 2018-08-09 01:44:53

Local clock offset: 8.651 ms

Remote clock offset: 7.923 ms

Below is generated by plot.py at 2018-08-09 04:55:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.41 Mbit/s

95th percentile per-packet one-way delay: 158.860 ms

Loss rate: 1.34%

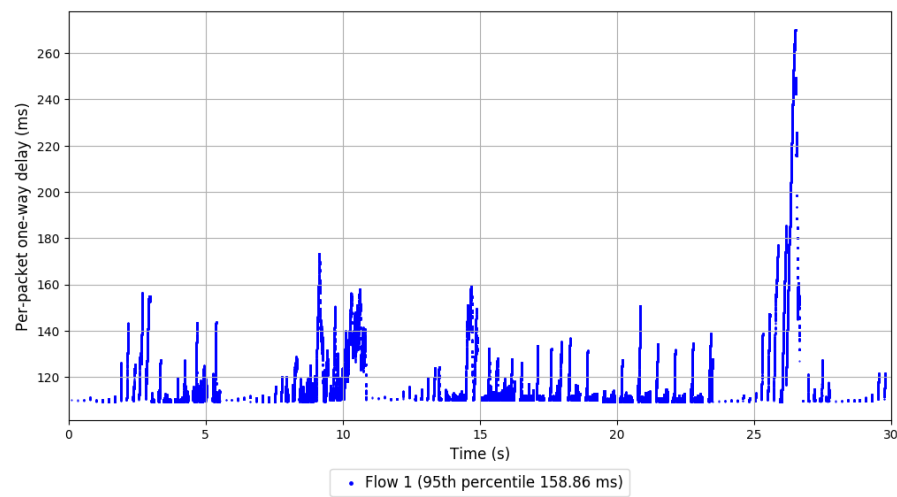
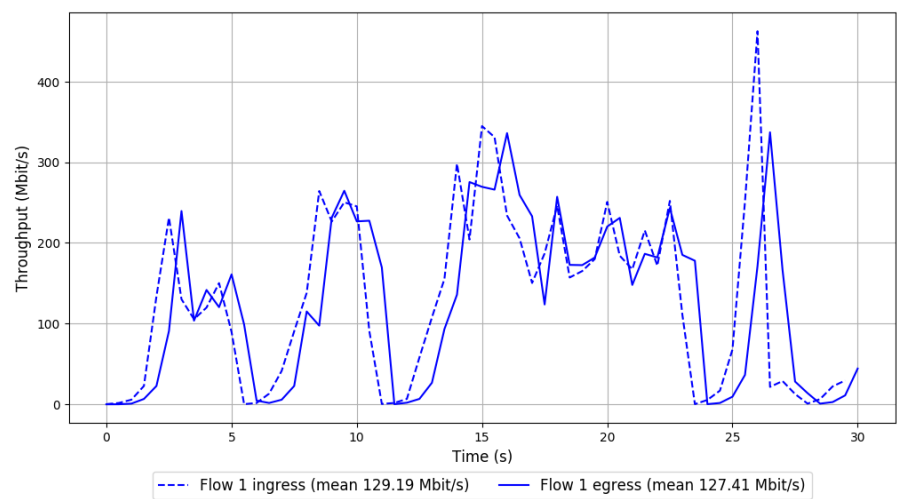
-- Flow 1:

Average throughput: 127.41 Mbit/s

95th percentile per-packet one-way delay: 158.860 ms

Loss rate: 1.34%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-09 02:06:40

End at: 2018-08-09 02:07:10

Local clock offset: 7.01 ms

Remote clock offset: 5.723 ms

Below is generated by plot.py at 2018-08-09 04:55:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.03 Mbit/s

95th percentile per-packet one-way delay: 185.808 ms

Loss rate: 0.48%

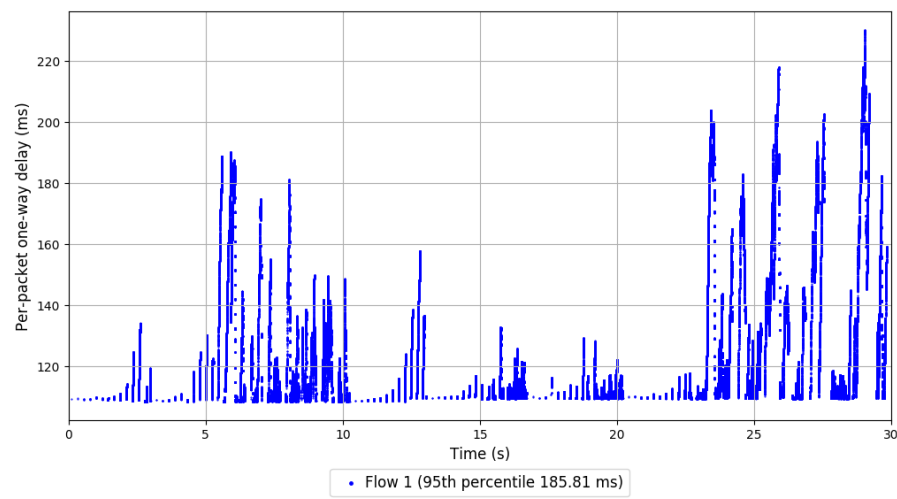
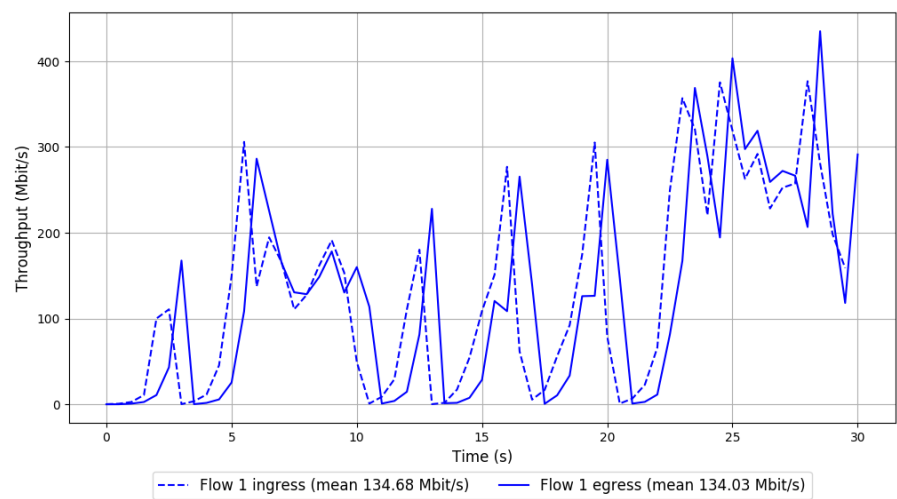
-- Flow 1:

Average throughput: 134.03 Mbit/s

95th percentile per-packet one-way delay: 185.808 ms

Loss rate: 0.48%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-09 02:28:45

End at: 2018-08-09 02:29:15

Local clock offset: 2.159 ms

Remote clock offset: 1.668 ms

Below is generated by plot.py at 2018-08-09 04:55:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.23 Mbit/s

95th percentile per-packet one-way delay: 220.184 ms

Loss rate: 4.67%

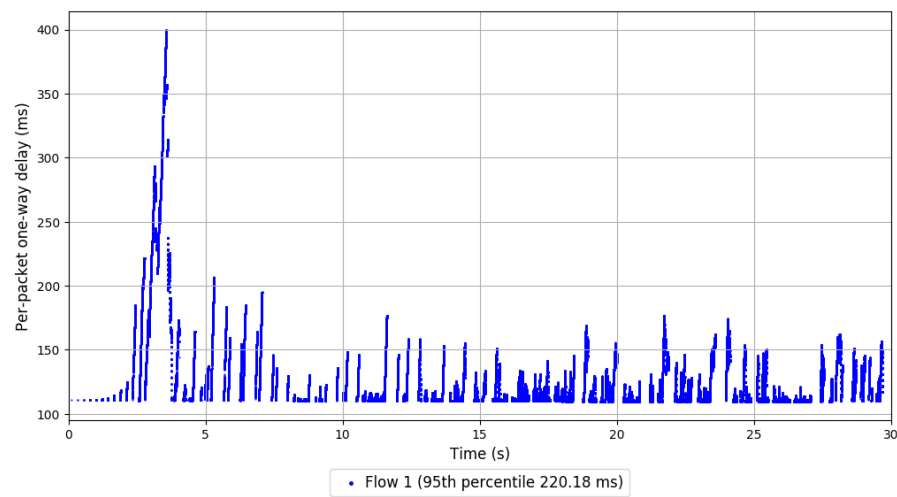
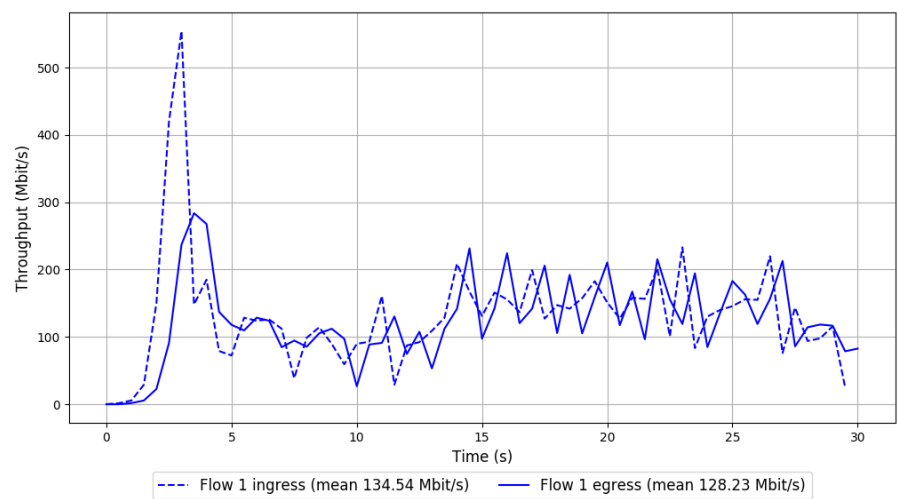
-- Flow 1:

Average throughput: 128.23 Mbit/s

95th percentile per-packet one-way delay: 220.184 ms

Loss rate: 4.67%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-09 02:51:23

End at: 2018-08-09 02:51:53

Local clock offset: 2.073 ms

Remote clock offset: 0.899 ms

Below is generated by plot.py at 2018-08-09 04:56:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.58 Mbit/s

95th percentile per-packet one-way delay: 211.814 ms

Loss rate: 2.57%

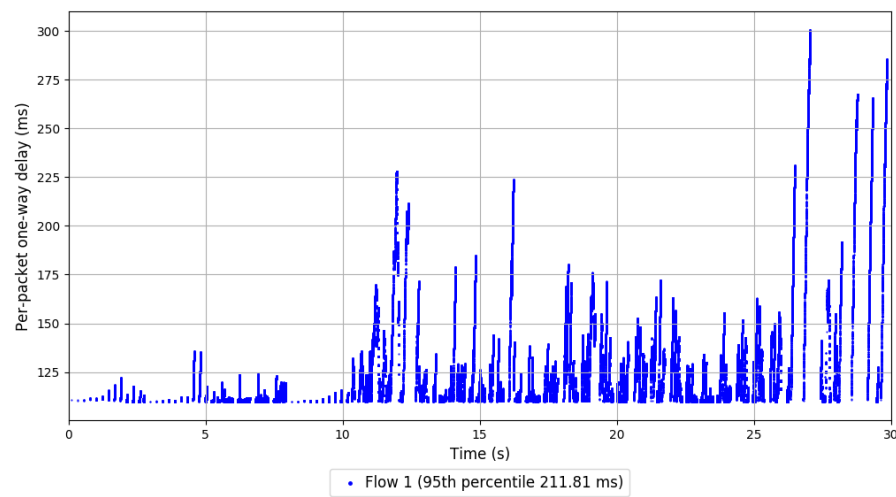
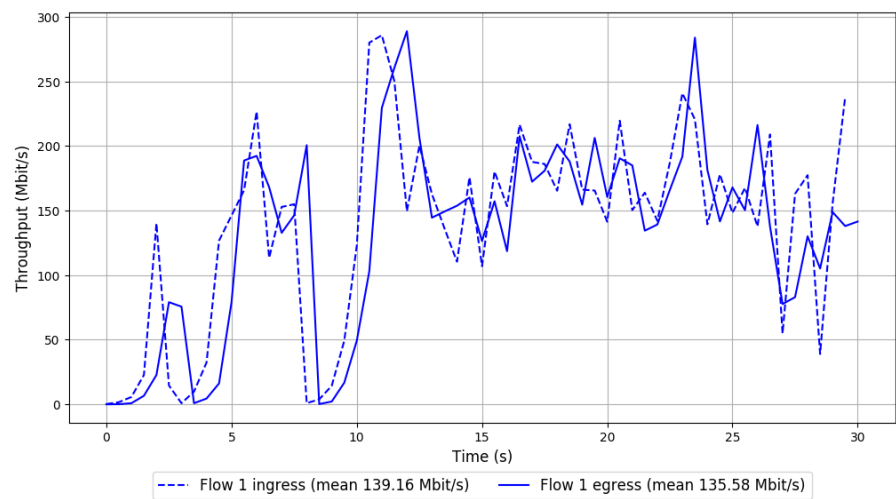
-- Flow 1:

Average throughput: 135.58 Mbit/s

95th percentile per-packet one-way delay: 211.814 ms

Loss rate: 2.57%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-09 03:13:38

End at: 2018-08-09 03:14:08

Local clock offset: 2.055 ms

Remote clock offset: 0.43 ms

Below is generated by plot.py at 2018-08-09 04:56:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.69 Mbit/s

95th percentile per-packet one-way delay: 224.175 ms

Loss rate: 1.25%

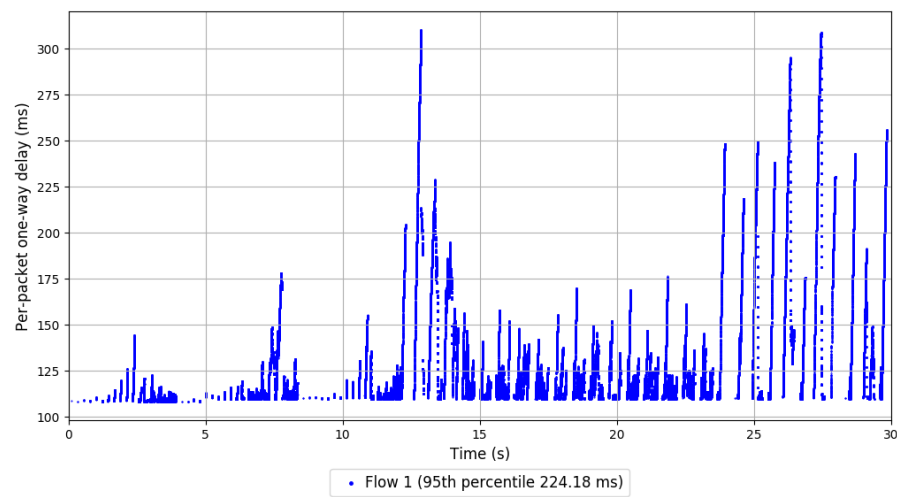
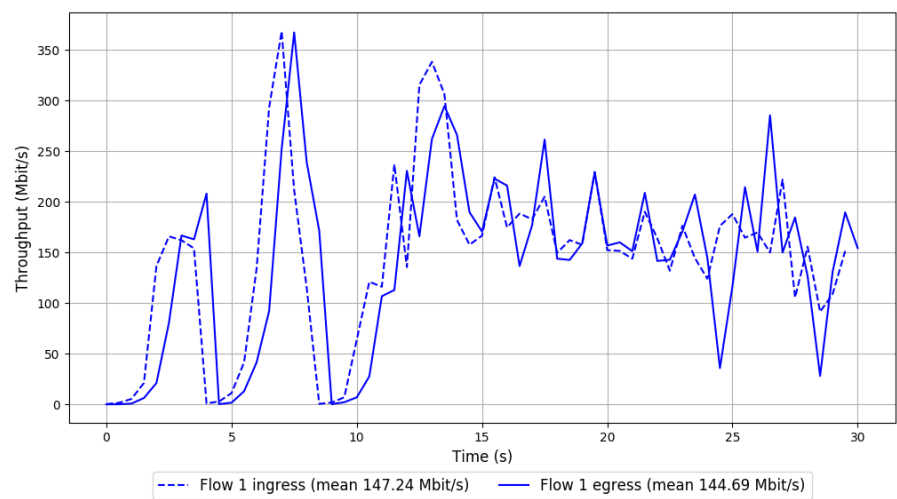
-- Flow 1:

Average throughput: 144.69 Mbit/s

95th percentile per-packet one-way delay: 224.175 ms

Loss rate: 1.25%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-08 23:57:41

End at: 2018-08-08 23:58:11

Local clock offset: 10.427 ms

Remote clock offset: 9.901 ms

Below is generated by plot.py at 2018-08-09 04:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.90 Mbit/s

95th percentile per-packet one-way delay: 179.694 ms

Loss rate: 0.00%

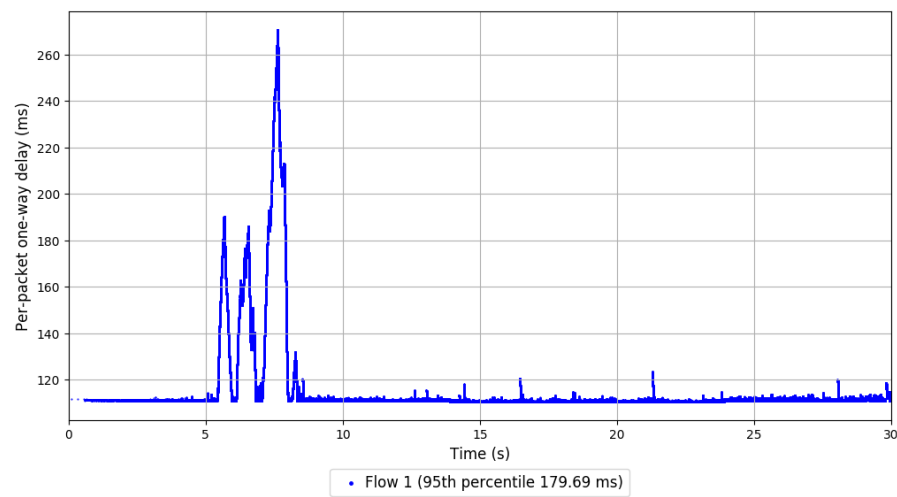
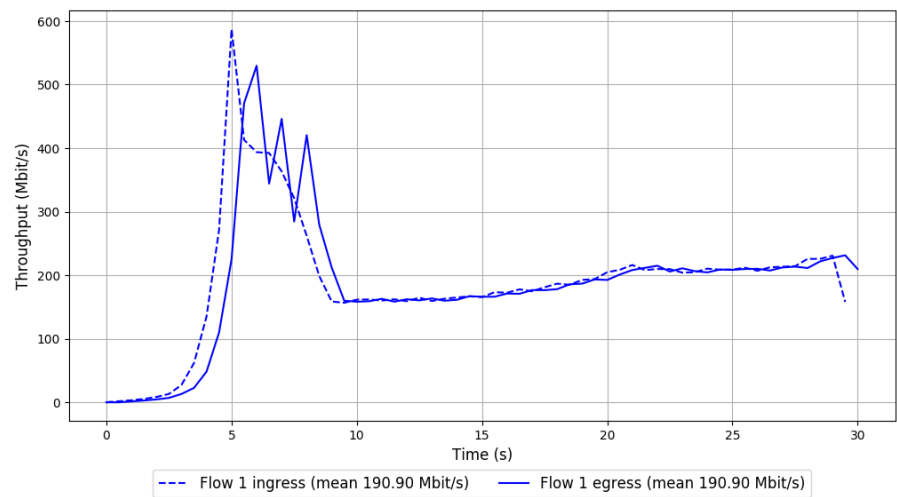
-- Flow 1:

Average throughput: 190.90 Mbit/s

95th percentile per-packet one-way delay: 179.694 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 00:20:16

End at: 2018-08-09 00:20:46

Local clock offset: 25.379 ms

Remote clock offset: 25.19 ms

Below is generated by plot.py at 2018-08-09 04:59:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.71 Mbit/s

95th percentile per-packet one-way delay: 287.960 ms

Loss rate: 1.37%

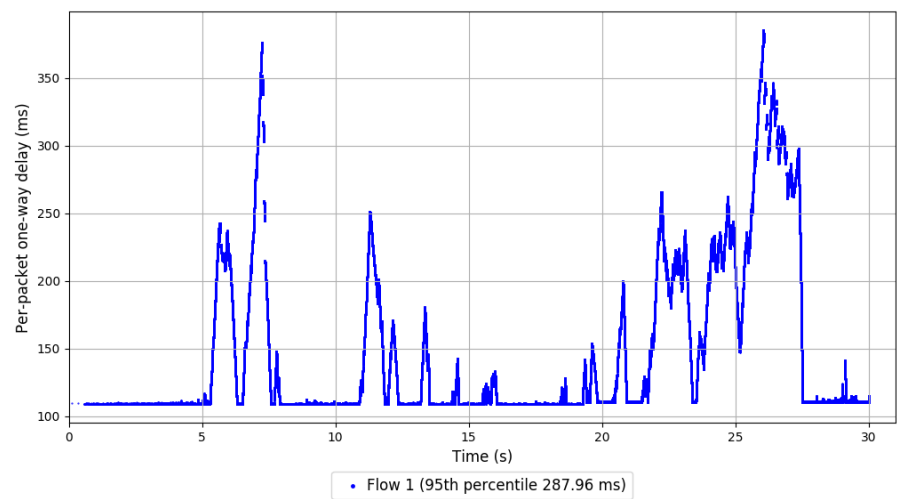
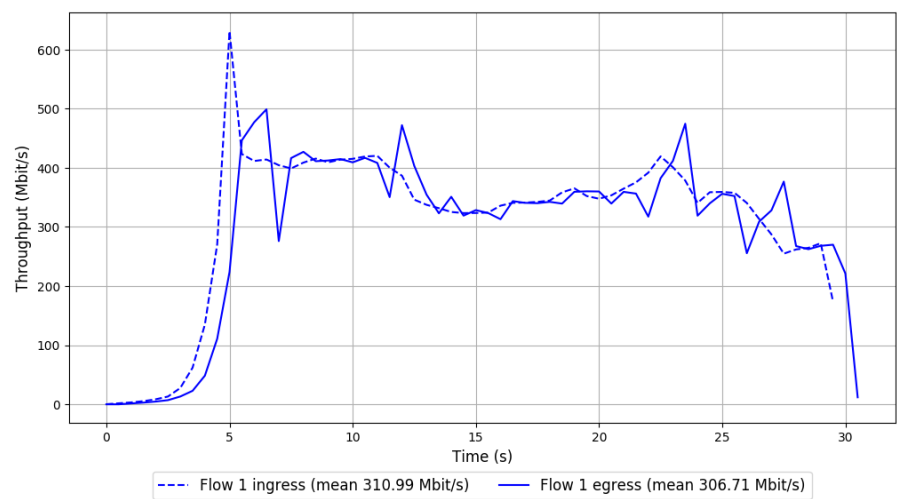
-- Flow 1:

Average throughput: 306.71 Mbit/s

95th percentile per-packet one-way delay: 287.960 ms

Loss rate: 1.37%

Run 2: Report of PCC-Vivace — Data Link

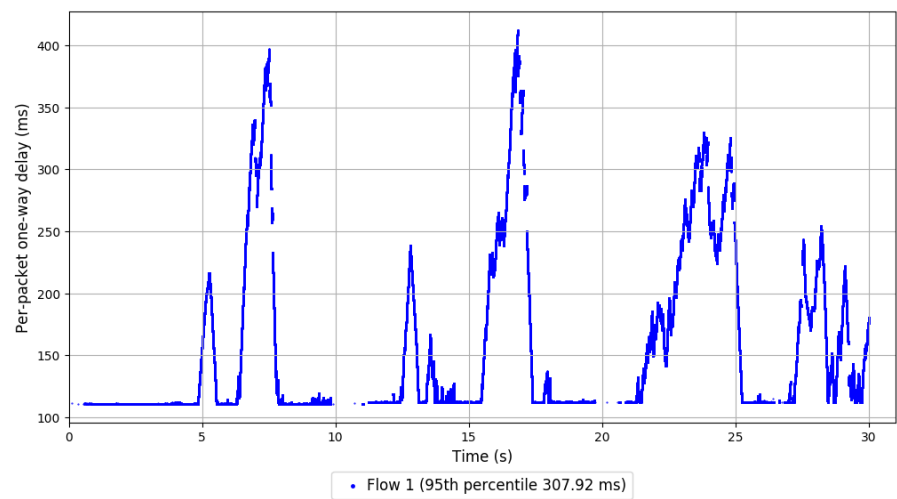
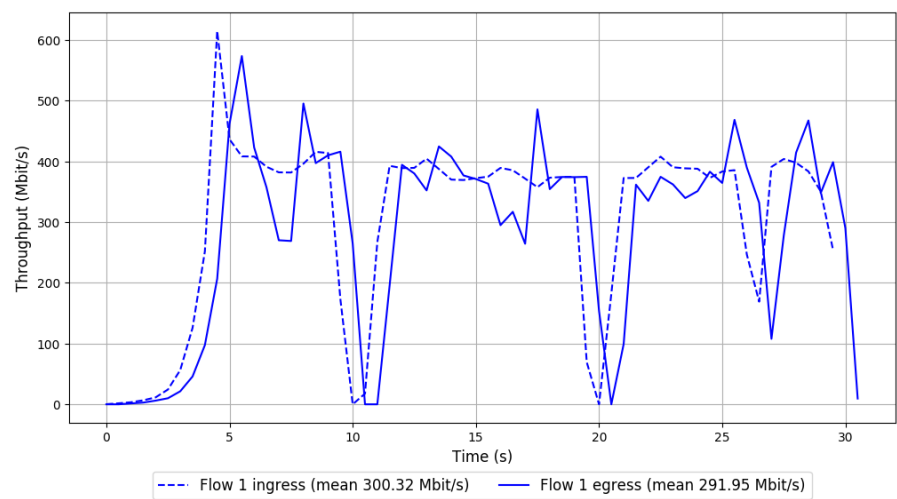


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 00:42:32
End at: 2018-08-09 00:43:02
Local clock offset: 28.798 ms
Remote clock offset: 29.463 ms

Below is generated by plot.py at 2018-08-09 04:59:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.95 Mbit/s
95th percentile per-packet one-way delay: 307.921 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 291.95 Mbit/s
95th percentile per-packet one-way delay: 307.921 ms
Loss rate: 2.78%

Run 3: Report of PCC-Vivace — Data Link

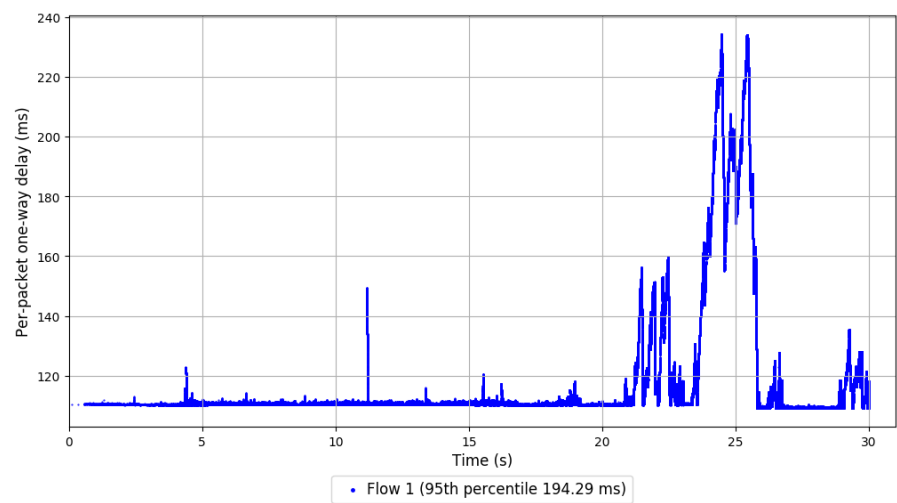
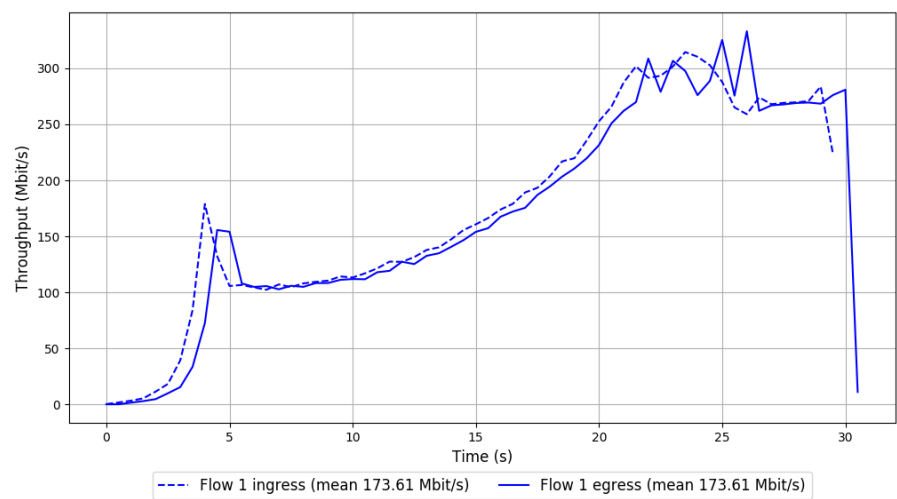


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 01:04:48
End at: 2018-08-09 01:05:18
Local clock offset: 17.121 ms
Remote clock offset: 17.173 ms

Below is generated by plot.py at 2018-08-09 04:59:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.61 Mbit/s
95th percentile per-packet one-way delay: 194.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.61 Mbit/s
95th percentile per-packet one-way delay: 194.295 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

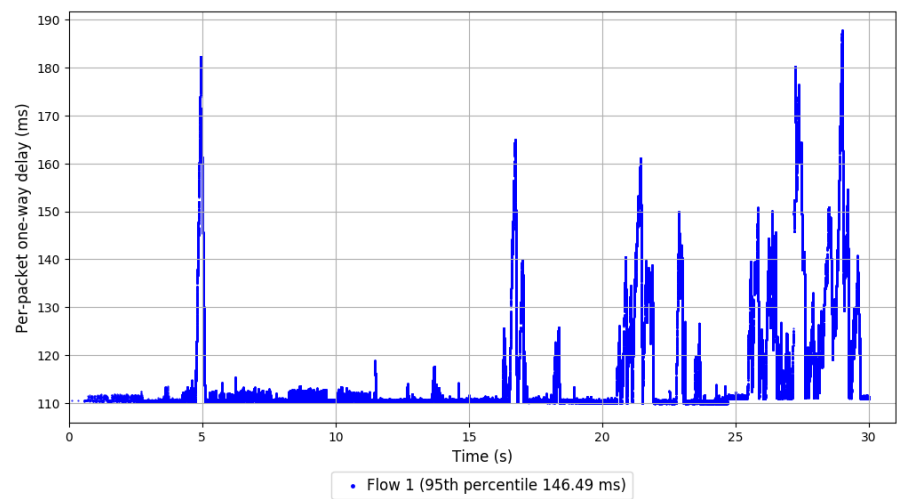
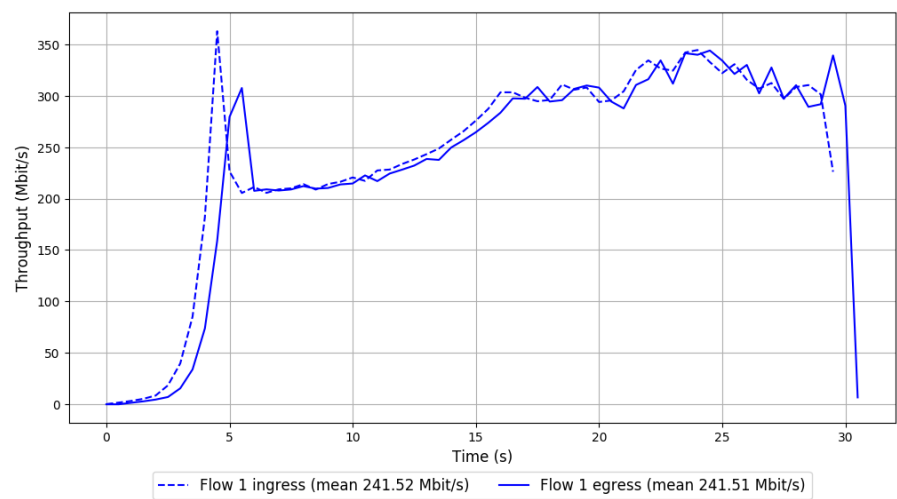


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 01:26:48
End at: 2018-08-09 01:27:18
Local clock offset: 20.235 ms
Remote clock offset: 20.222 ms

Below is generated by plot.py at 2018-08-09 04:59:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.51 Mbit/s
95th percentile per-packet one-way delay: 146.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.51 Mbit/s
95th percentile per-packet one-way delay: 146.485 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 01:49:16

End at: 2018-08-09 01:49:46

Local clock offset: 8.808 ms

Remote clock offset: 7.657 ms

Below is generated by plot.py at 2018-08-09 04:59:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.13 Mbit/s

95th percentile per-packet one-way delay: 160.863 ms

Loss rate: 1.25%

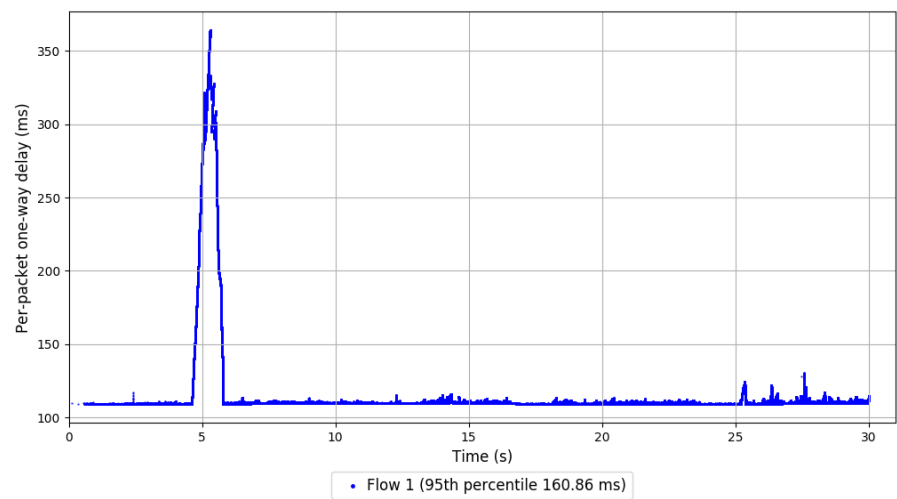
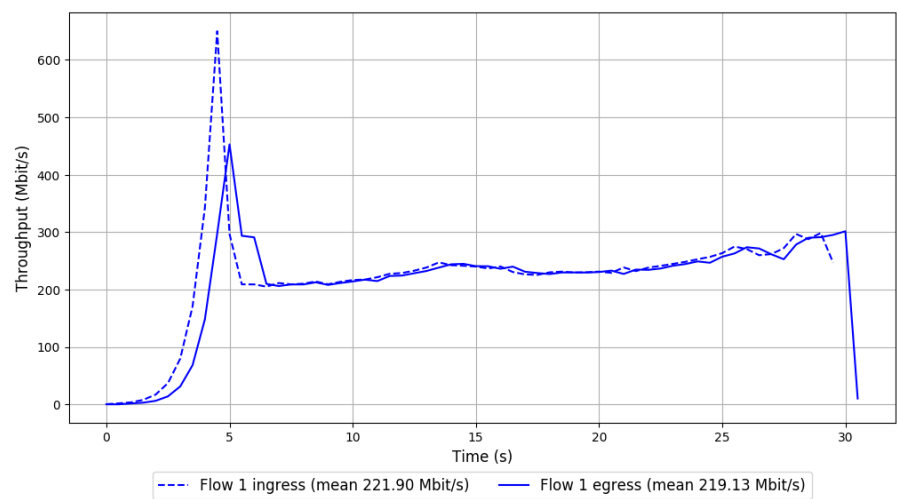
-- Flow 1:

Average throughput: 219.13 Mbit/s

95th percentile per-packet one-way delay: 160.863 ms

Loss rate: 1.25%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 02:11:45

End at: 2018-08-09 02:12:15

Local clock offset: 3.895 ms

Remote clock offset: 4.024 ms

Below is generated by plot.py at 2018-08-09 04:59:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.23 Mbit/s

95th percentile per-packet one-way delay: 194.971 ms

Loss rate: 5.98%

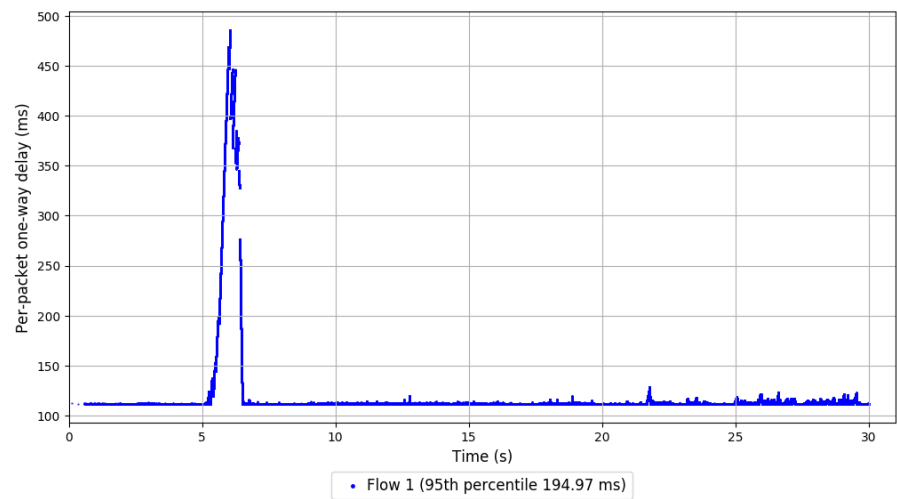
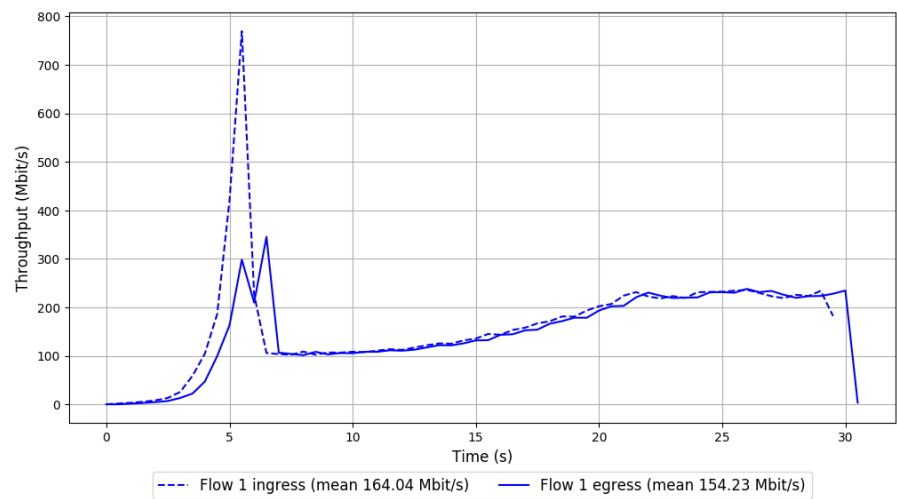
-- Flow 1:

Average throughput: 154.23 Mbit/s

95th percentile per-packet one-way delay: 194.971 ms

Loss rate: 5.98%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 02:33:49

End at: 2018-08-09 02:34:19

Local clock offset: 2.517 ms

Remote clock offset: 2.193 ms

Below is generated by plot.py at 2018-08-09 05:00:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.66 Mbit/s

95th percentile per-packet one-way delay: 290.142 ms

Loss rate: 2.63%

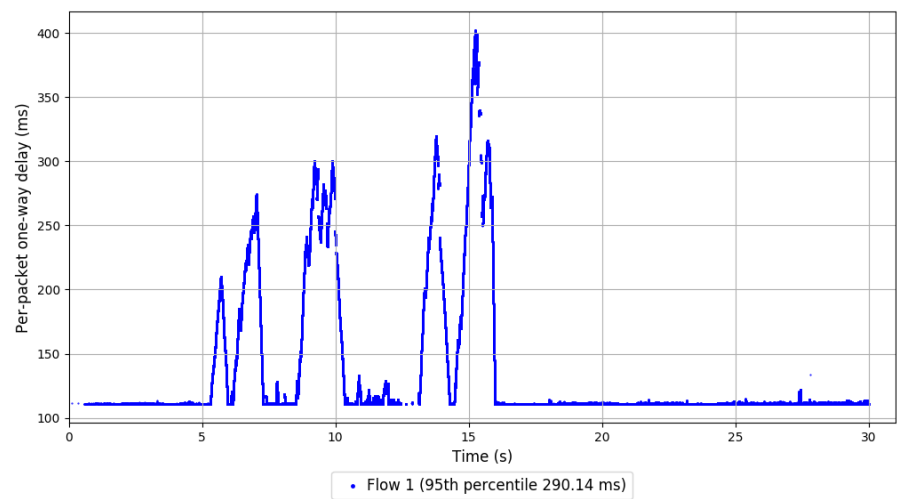
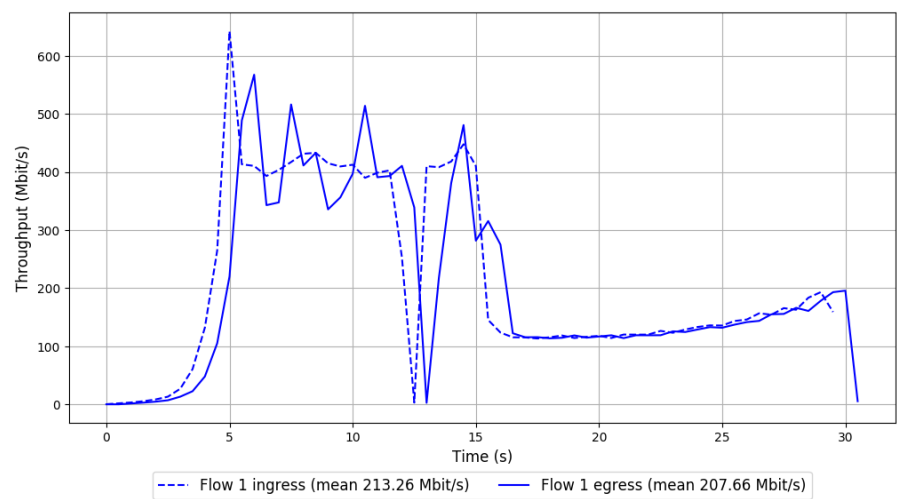
-- Flow 1:

Average throughput: 207.66 Mbit/s

95th percentile per-packet one-way delay: 290.142 ms

Loss rate: 2.63%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 02:56:27

End at: 2018-08-09 02:56:57

Local clock offset: 0.809 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-08-09 05:00:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.01 Mbit/s

95th percentile per-packet one-way delay: 114.450 ms

Loss rate: 0.00%

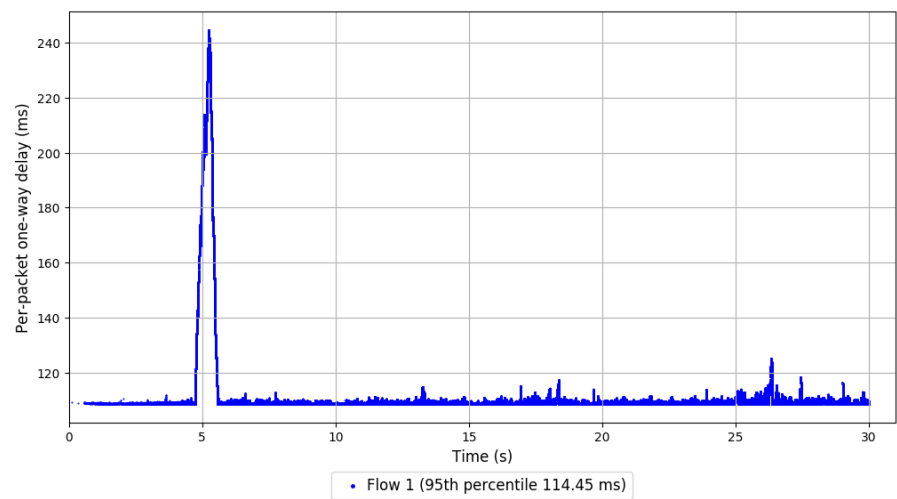
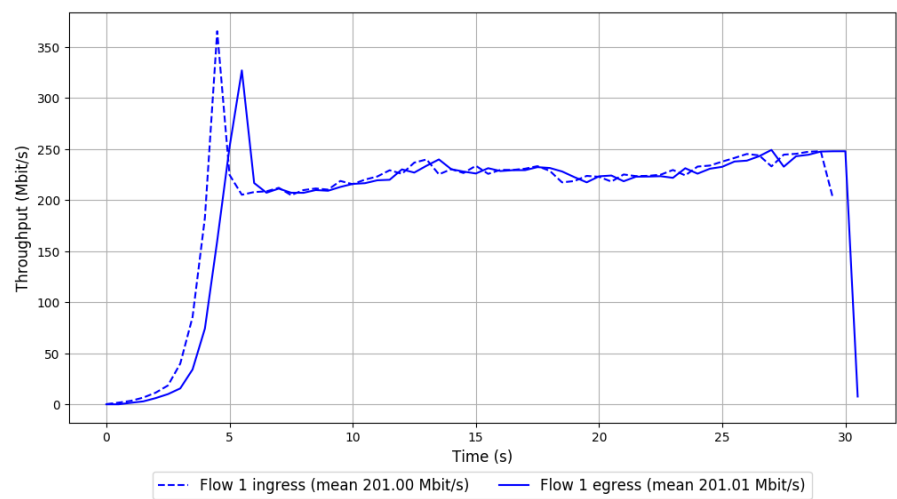
-- Flow 1:

Average throughput: 201.01 Mbit/s

95th percentile per-packet one-way delay: 114.450 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 03:18:31

End at: 2018-08-09 03:19:01

Local clock offset: 0.383 ms

Remote clock offset: 0.942 ms

Below is generated by plot.py at 2018-08-09 05:00:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.28 Mbit/s

95th percentile per-packet one-way delay: 135.105 ms

Loss rate: 0.00%

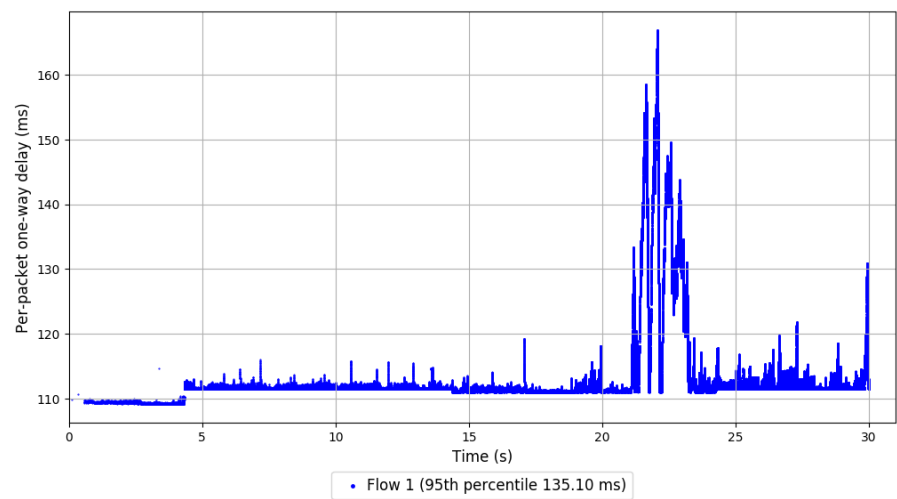
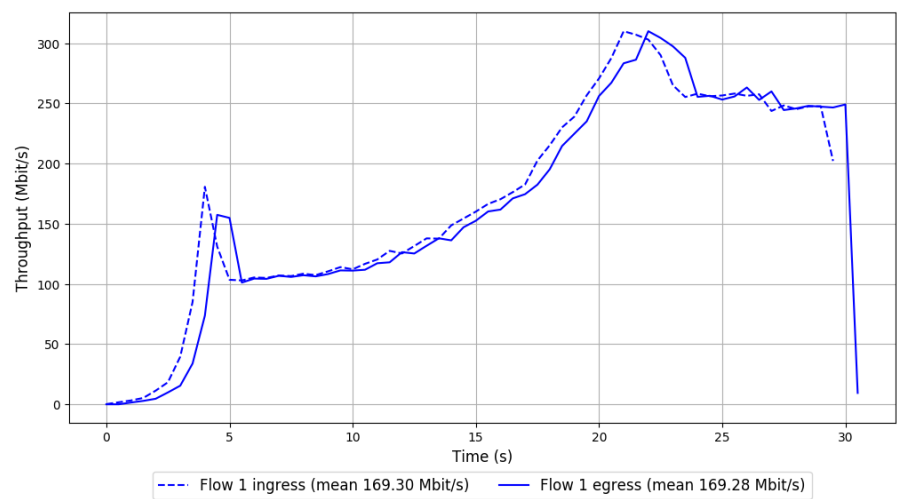
-- Flow 1:

Average throughput: 169.28 Mbit/s

95th percentile per-packet one-way delay: 135.105 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

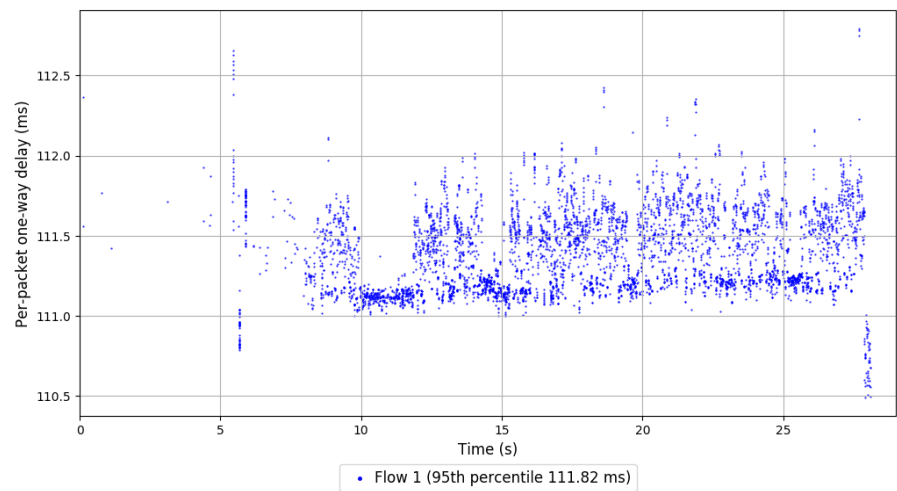
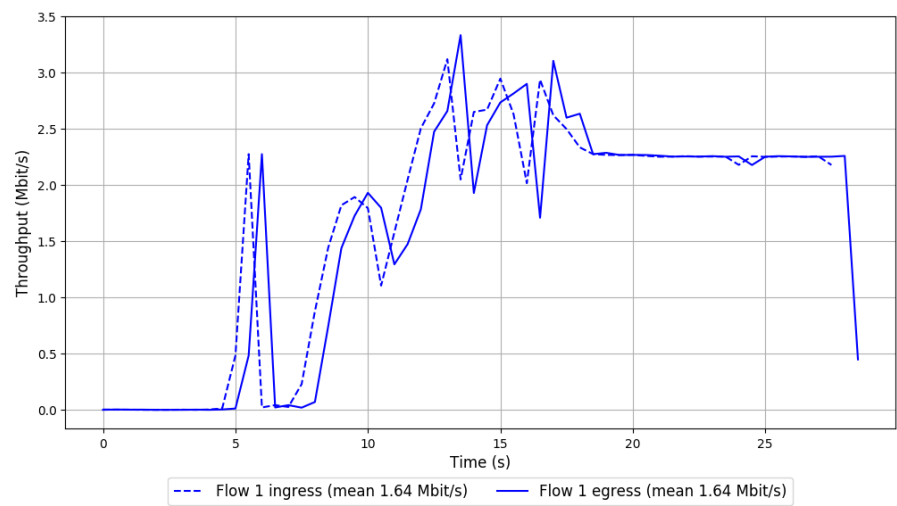


```
Run 1: Statistics of WebRTC media

Start at: 2018-08-08 23:50:25
End at: 2018-08-08 23:50:55
Local clock offset: 5.943 ms
Remote clock offset: 5.77 ms

# Below is generated by plot.py at 2018-08-09 05:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 111.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 111.817 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

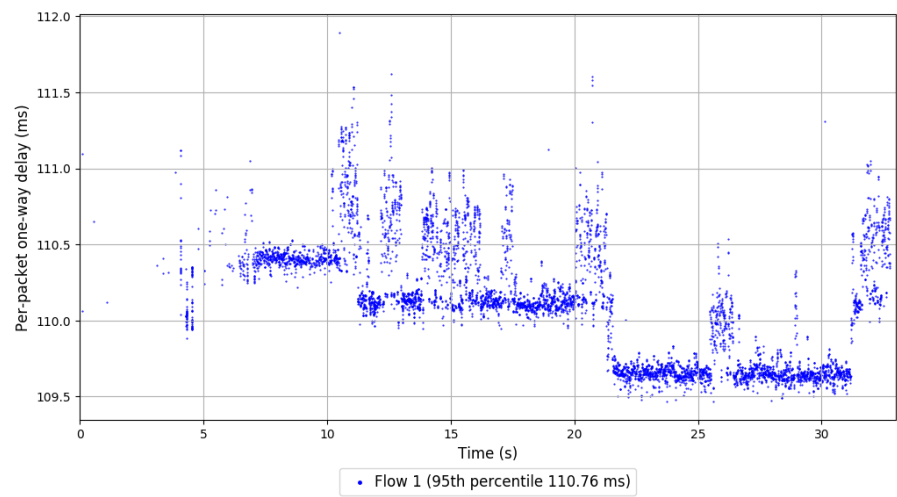
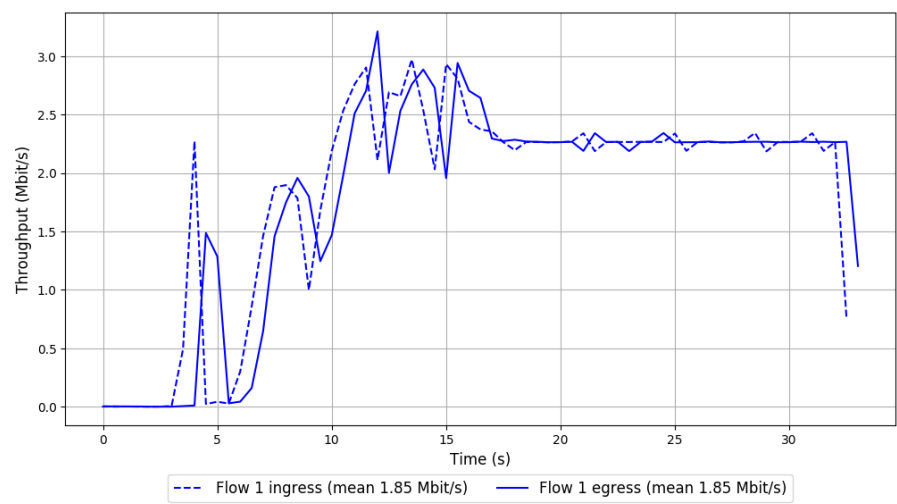


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 00:13:04
End at: 2018-08-09 00:13:34
Local clock offset: 18.522 ms
Remote clock offset: 18.487 ms

Below is generated by plot.py at 2018-08-09 05:00:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 110.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 110.763 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

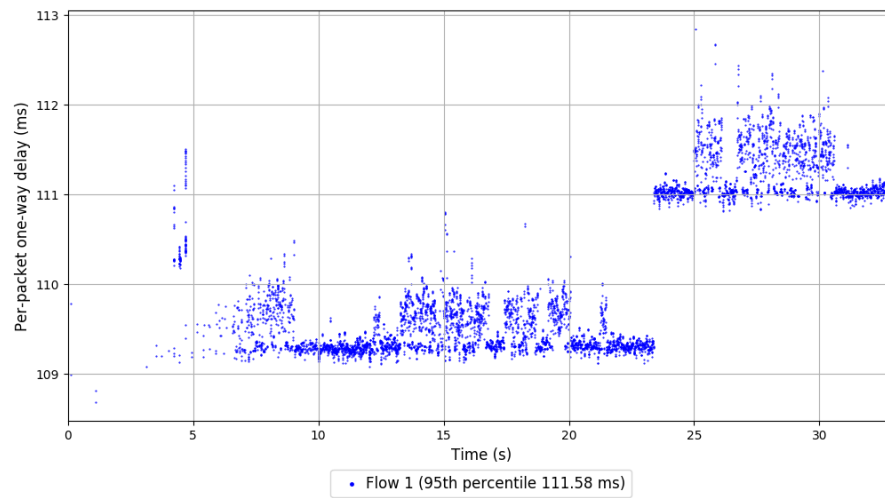
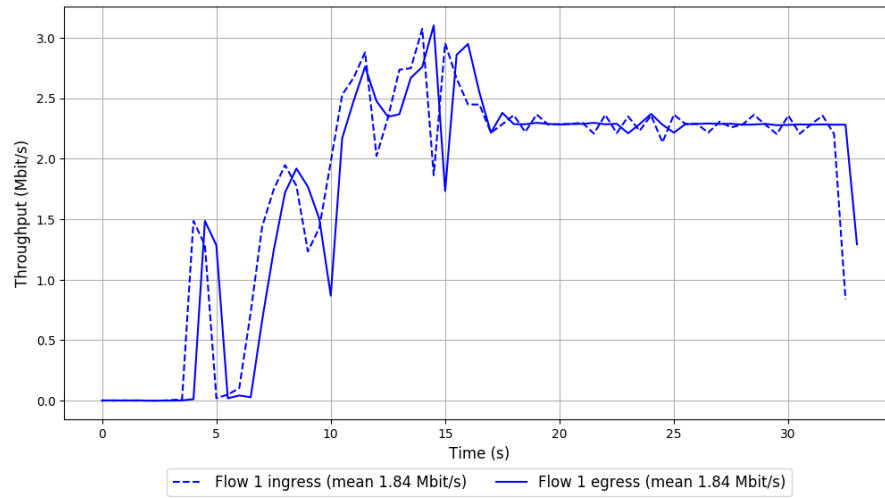


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 00:35:14
End at: 2018-08-09 00:35:44
Local clock offset: 23.813 ms
Remote clock offset: 22.959 ms

Below is generated by plot.py at 2018-08-09 05:00:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 111.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 111.585 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

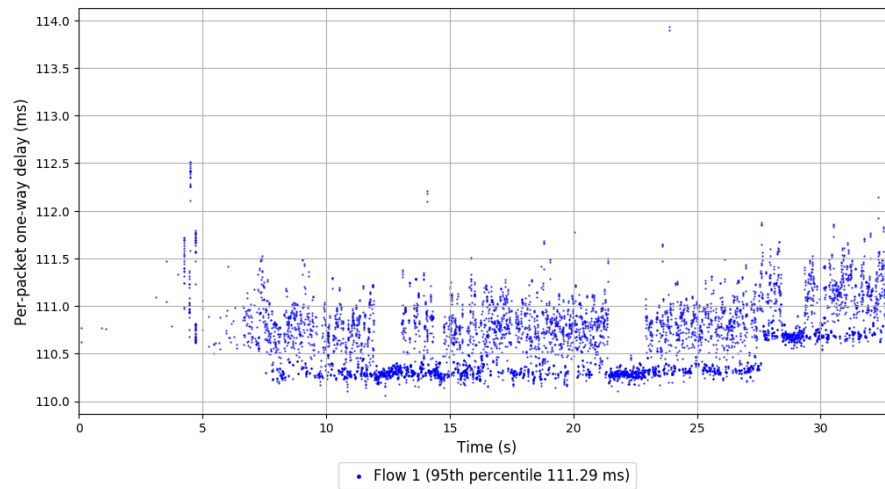
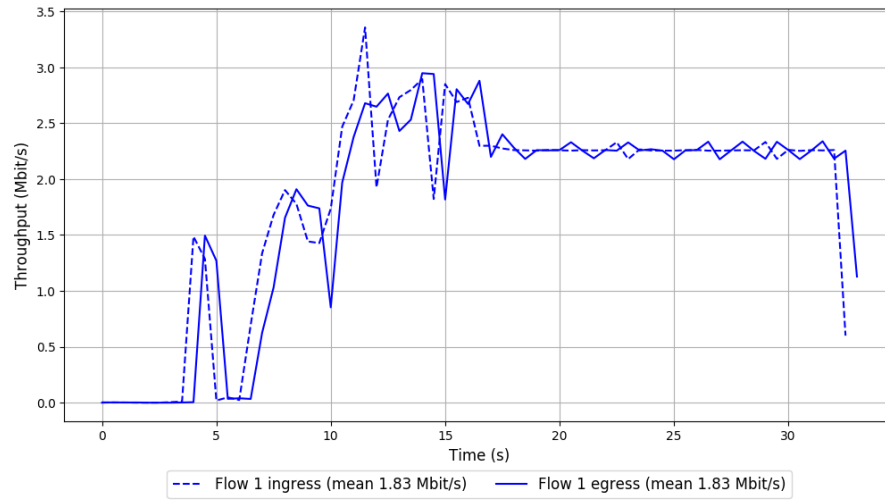


Run 4: Statistics of WebRTC media

Start at: 2018-08-09 00:57:30
End at: 2018-08-09 00:58:00
Local clock offset: 27.196 ms
Remote clock offset: 27.177 ms

Below is generated by plot.py at 2018-08-09 05:00:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 111.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 111.292 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

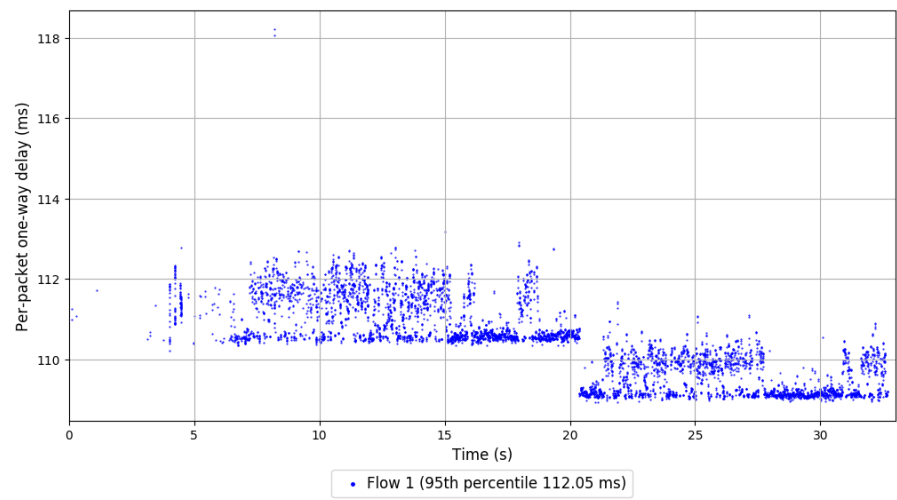
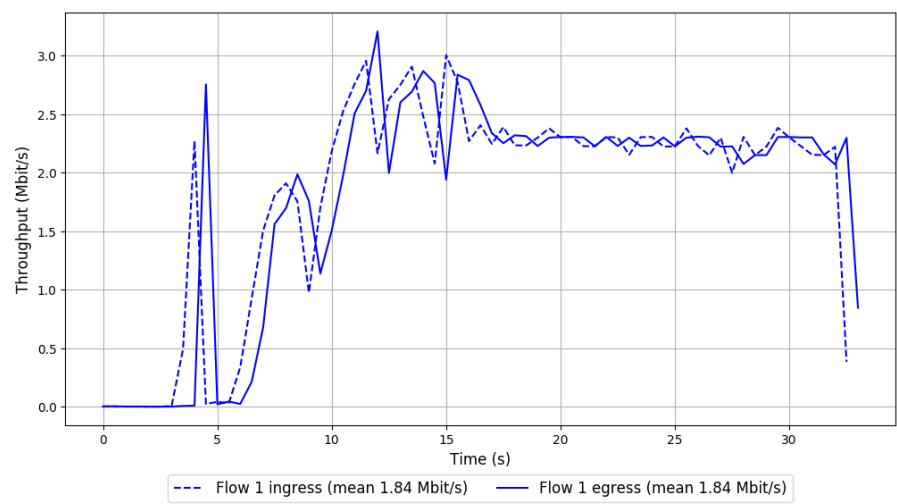


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 01:19:27
End at: 2018-08-09 01:19:57
Local clock offset: 18.262 ms
Remote clock offset: 17.138 ms

Below is generated by plot.py at 2018-08-09 05:00:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 112.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 112.050 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-09 01:42:07

End at: 2018-08-09 01:42:37

Local clock offset: 7.9 ms

Remote clock offset: 7.445 ms

Below is generated by plot.py at 2018-08-09 05:00:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 111.227 ms

Loss rate: 0.00%

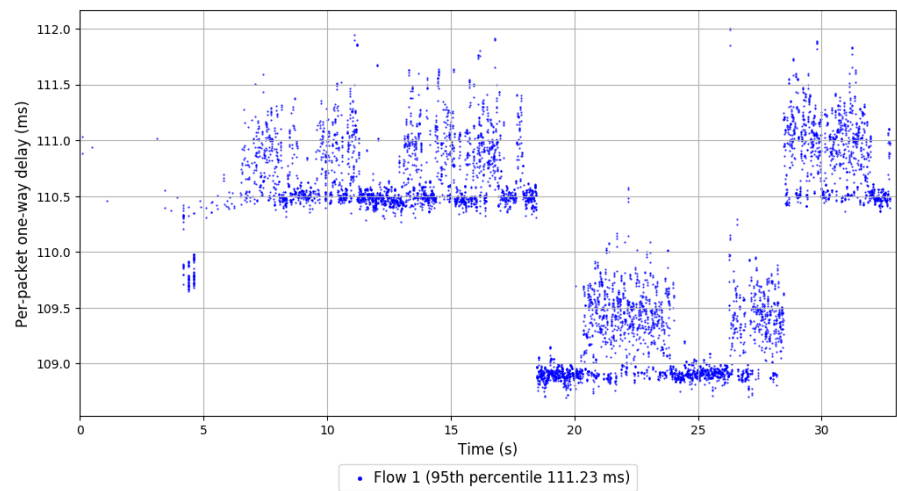
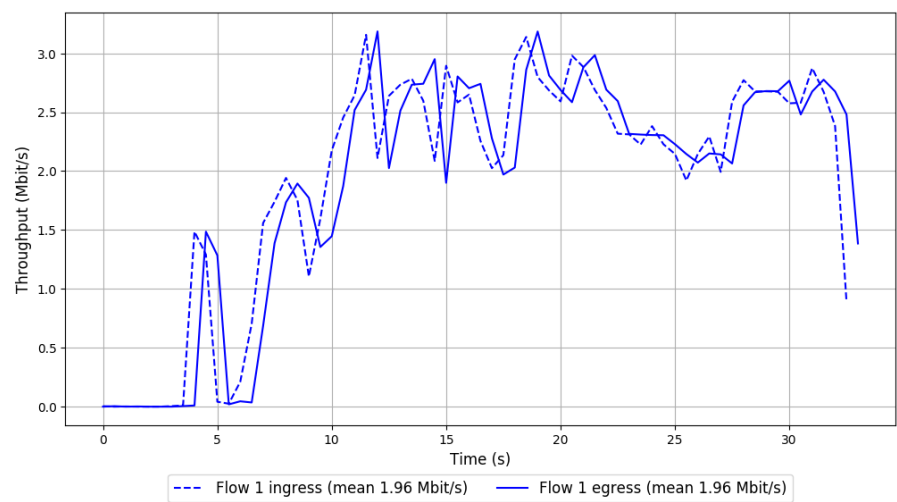
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 111.227 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-09 02:04:24

End at: 2018-08-09 02:04:54

Local clock offset: 7.101 ms

Remote clock offset: 7.385 ms

Below is generated by plot.py at 2018-08-09 05:00:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 112.414 ms

Loss rate: 0.00%

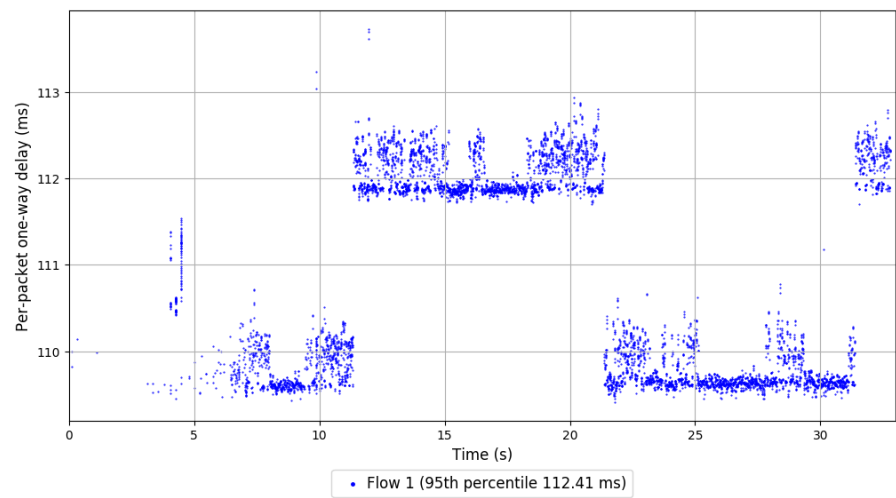
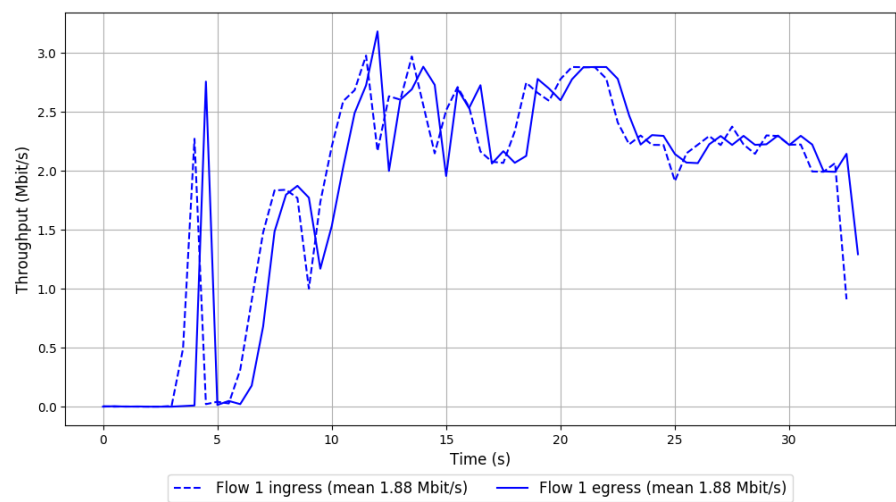
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 112.414 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-09 02:26:28

End at: 2018-08-09 02:26:58

Local clock offset: 2.181 ms

Remote clock offset: 1.723 ms

Below is generated by plot.py at 2018-08-09 05:00:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 109.779 ms

Loss rate: 0.00%

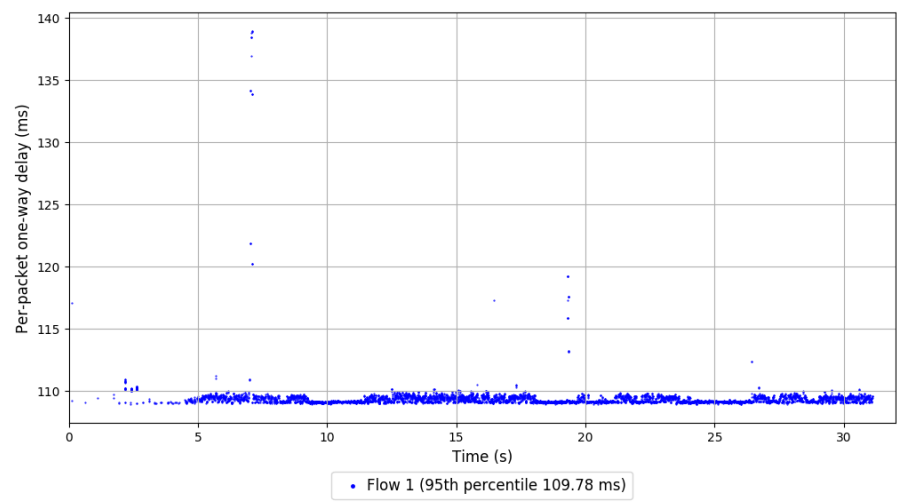
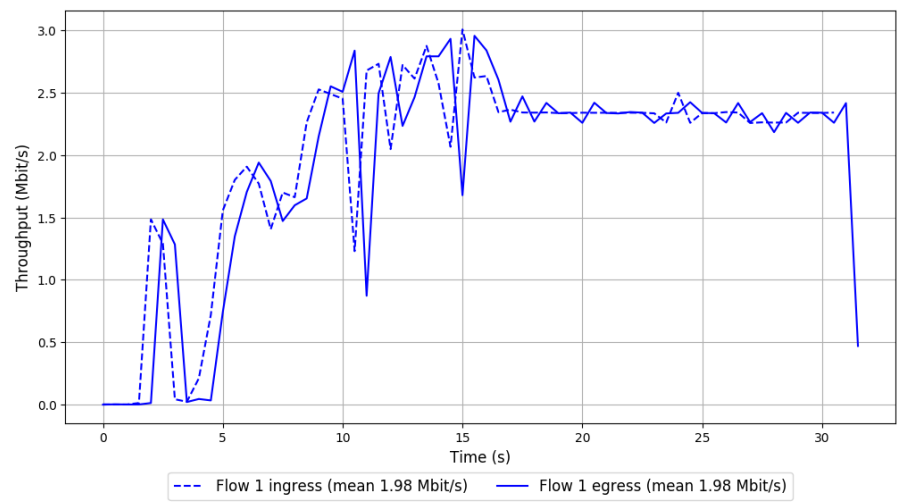
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 109.779 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-09 02:49:07

End at: 2018-08-09 02:49:37

Local clock offset: 2.118 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-08-09 05:00:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 110.090 ms

Loss rate: 0.00%

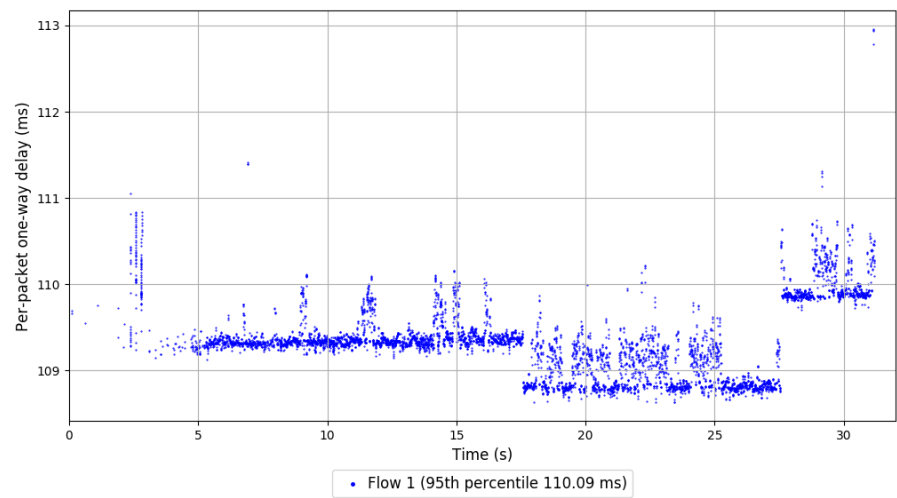
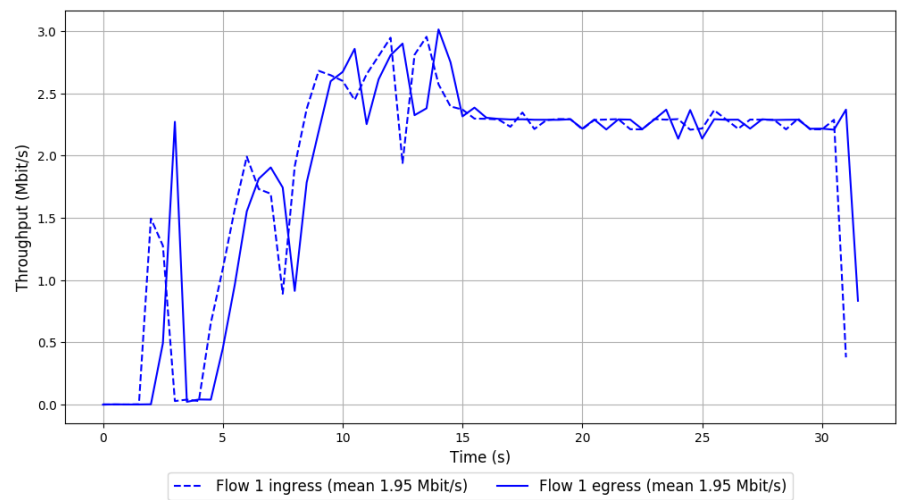
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 110.090 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 03:11:22

End at: 2018-08-09 03:11:52

Local clock offset: 2.047 ms

Remote clock offset: 0.414 ms

Below is generated by plot.py at 2018-08-09 05:00:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 110.063 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 110.063 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

