

Pantheon Report

Generated at 2018-06-18 12:22:23 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

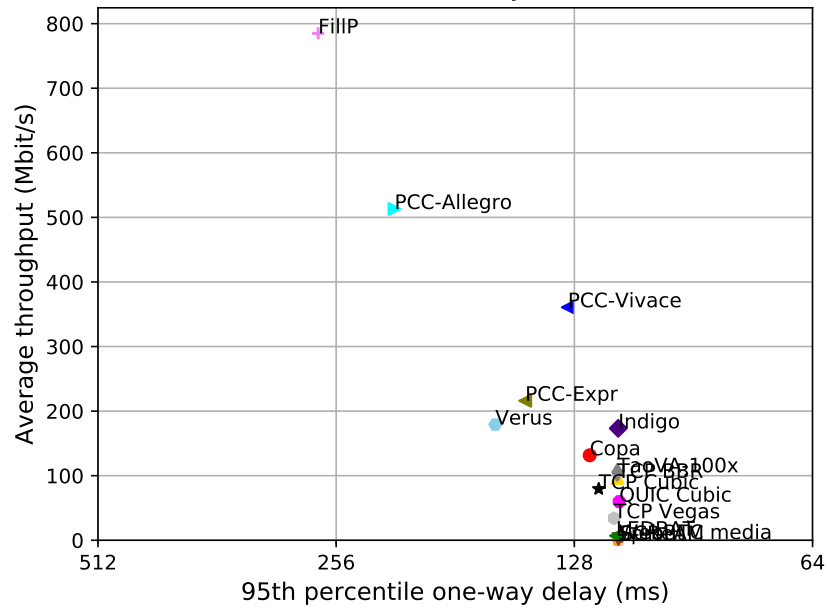
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

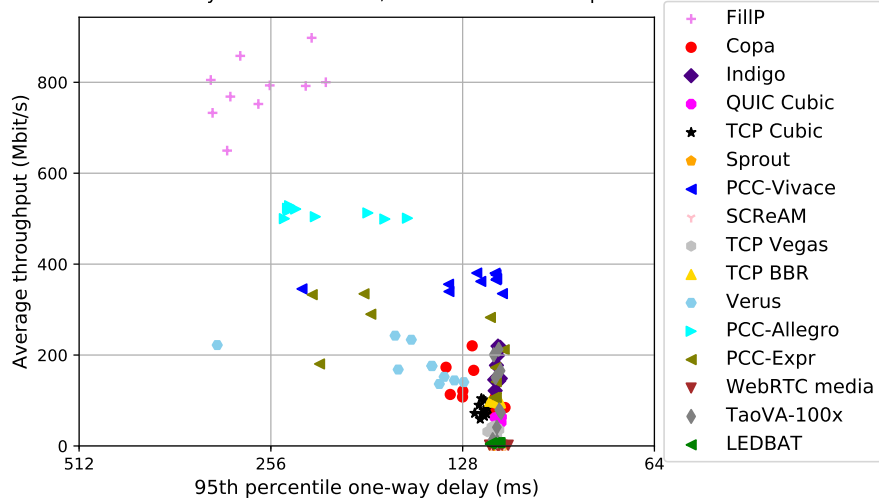
Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.58	112.92	0.00
Copa	10	131.61	122.42	0.00
TCP Cubic	10	79.51	119.24	0.00
FillP	10	784.97	269.76	2.70
Indigo	10	173.30	112.65	0.00
LEDBAT	10	6.93	113.41	0.00
PCC-Allegro	10	512.97	216.02	1.77
PCC-Expr	10	215.97	147.70	0.29
QUIC Cubic	9	59.81	112.32	0.00
SCReAM	10	0.22	111.96	0.01
Sprout	10	0.22	112.70	0.00
TaoVA-100x	9	105.19	112.95	0.00
TCP Vegas	10	34.11	114.01	0.00
Verus	10	179.16	161.13	0.89
PCC-Vivace	10	360.84	130.45	0.13
WebRTC media	10	1.87	112.55	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-18 07:40:30

End at: 2018-06-18 07:41:00

Local clock offset: 37.273 ms

Remote clock offset: 28.908 ms

Below is generated by plot.py at 2018-06-18 11:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.27 Mbit/s

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

Loss rate: 0.00%

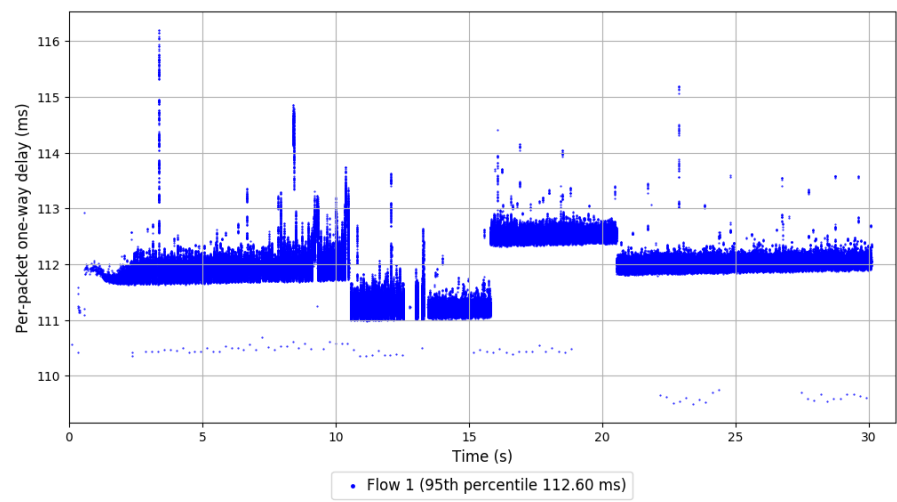
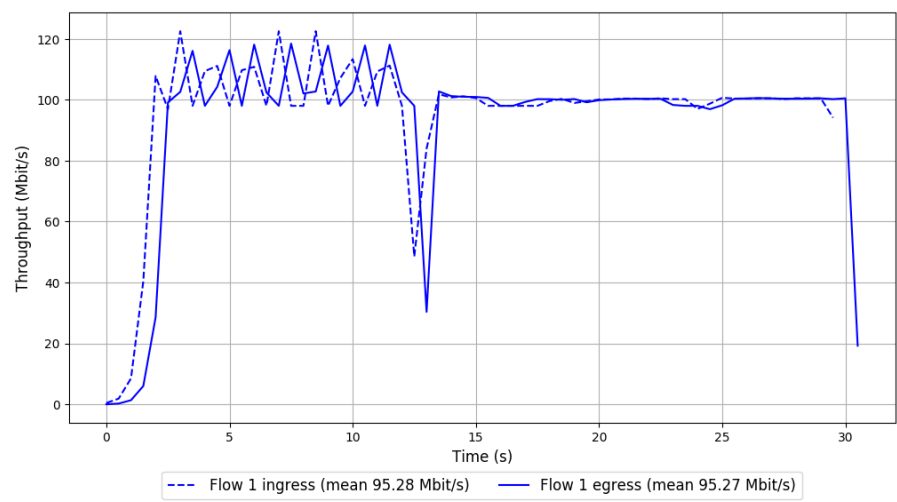
-- Flow 1:

Average throughput: 95.27 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

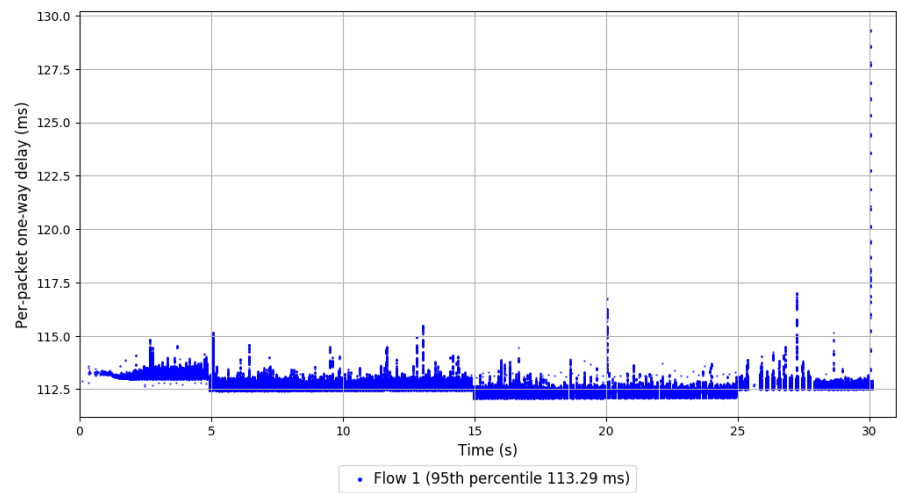
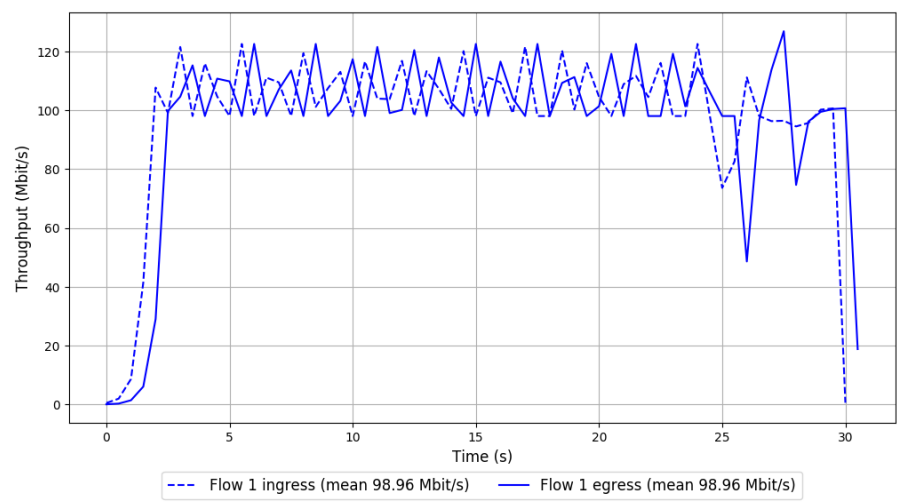


Run 2: Statistics of TCP BBR

Start at: 2018-06-18 08:00:56
End at: 2018-06-18 08:01:26
Local clock offset: 23.226 ms
Remote clock offset: 33.293 ms

Below is generated by plot.py at 2018-06-18 11:16:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.96 Mbit/s
95th percentile per-packet one-way delay: 113.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.96 Mbit/s
95th percentile per-packet one-way delay: 113.290 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

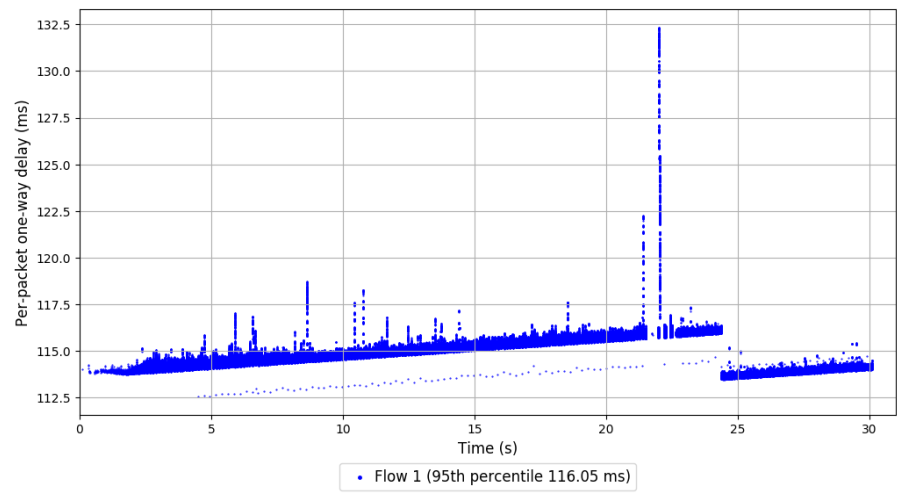
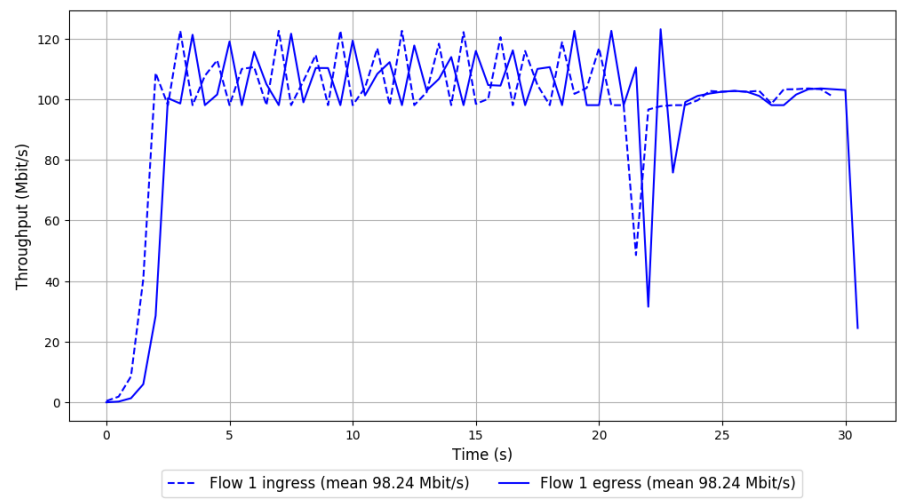


Run 3: Statistics of TCP BBR

Start at: 2018-06-18 08:21:47
End at: 2018-06-18 08:22:17
Local clock offset: 23.419 ms
Remote clock offset: 54.375 ms

Below is generated by plot.py at 2018-06-18 11:16:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.24 Mbit/s
95th percentile per-packet one-way delay: 116.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.24 Mbit/s
95th percentile per-packet one-way delay: 116.053 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

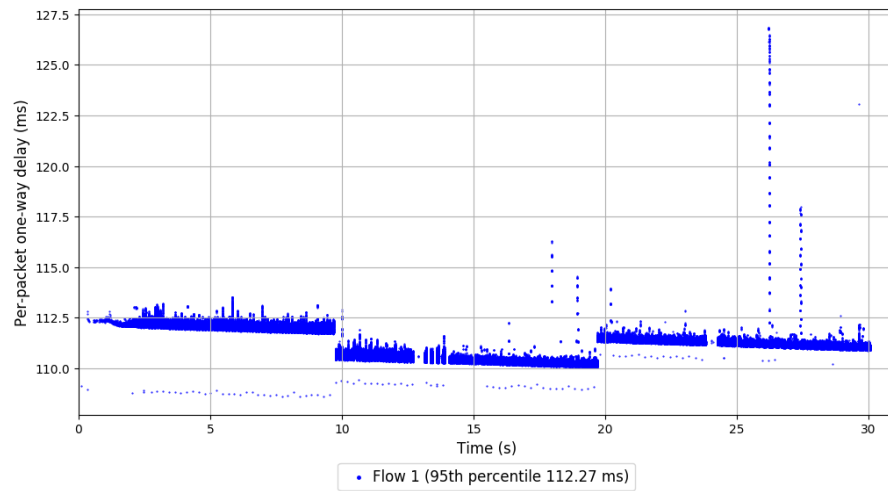
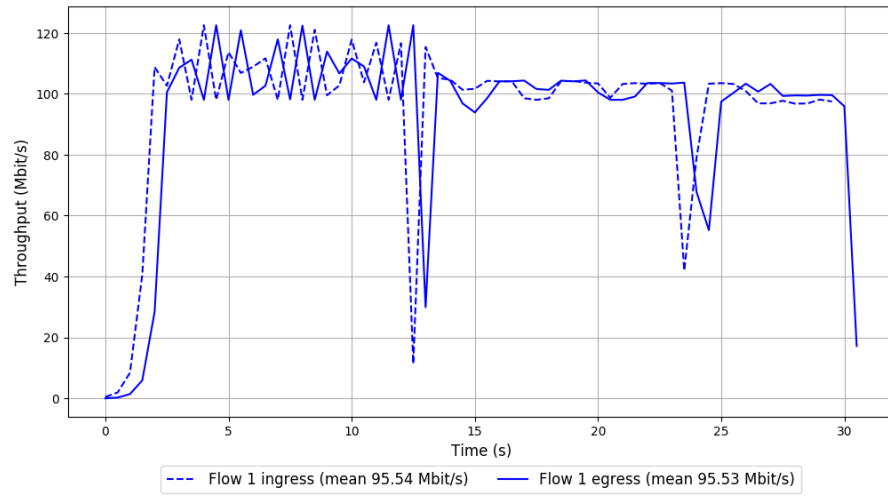


Run 4: Statistics of TCP BBR

Start at: 2018-06-18 08:42:41
End at: 2018-06-18 08:43:11
Local clock offset: 21.917 ms
Remote clock offset: 24.075 ms

Below is generated by plot.py at 2018-06-18 11:16:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 112.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 112.269 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-18 09:03:42

End at: 2018-06-18 09:04:12

Local clock offset: 8.548 ms

Remote clock offset: 12.493 ms

Below is generated by plot.py at 2018-06-18 11:16:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 111.879 ms

Loss rate: 0.00%

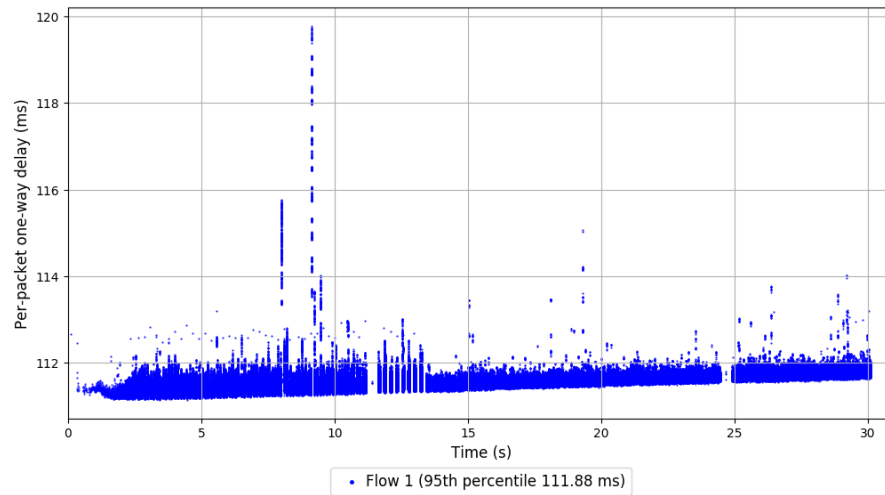
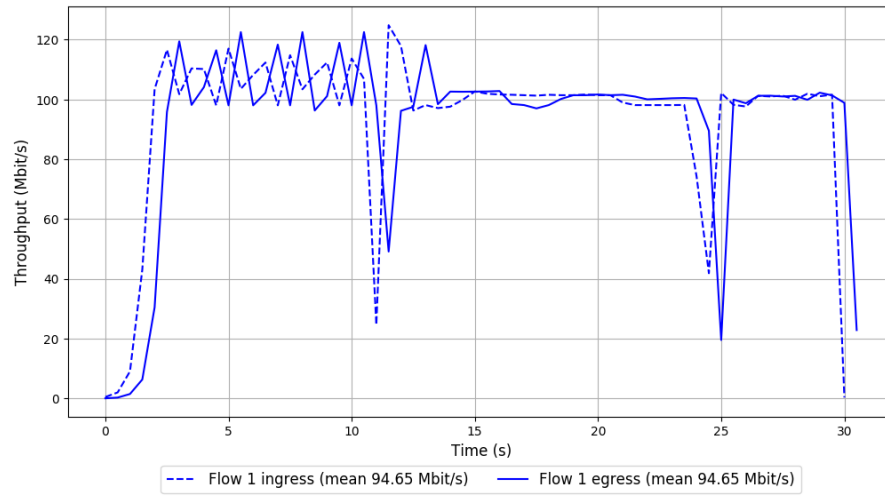
-- Flow 1:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 111.879 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-18 09:24:19

End at: 2018-06-18 09:24:49

Local clock offset: 3.809 ms

Remote clock offset: 6.955 ms

Below is generated by plot.py at 2018-06-18 11:16:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 113.444 ms

Loss rate: 0.00%

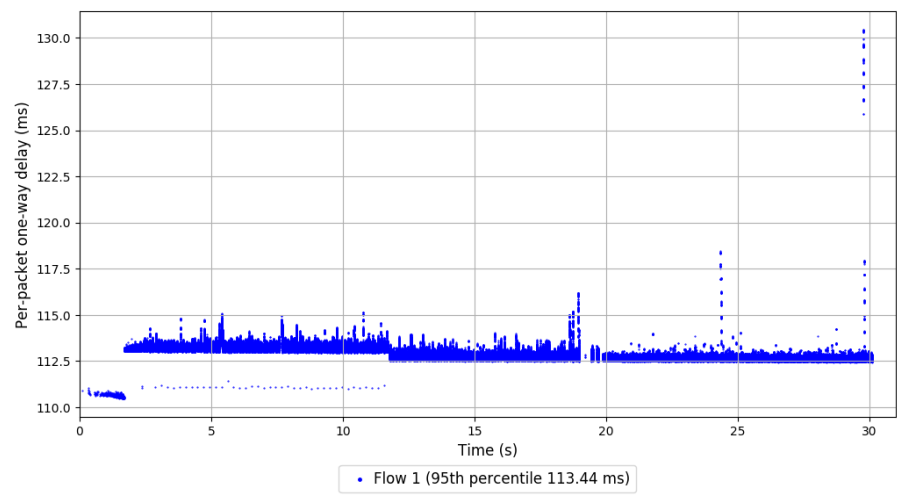
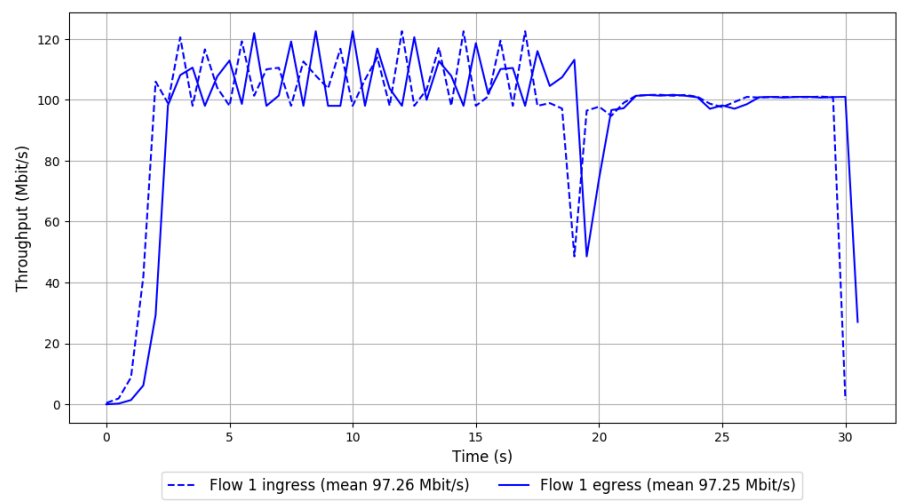
-- Flow 1:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 113.444 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-18 09:45:07

End at: 2018-06-18 09:45:37

Local clock offset: 4.425 ms

Remote clock offset: 2.453 ms

Below is generated by plot.py at 2018-06-18 11:16:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 111.647 ms

Loss rate: 0.00%

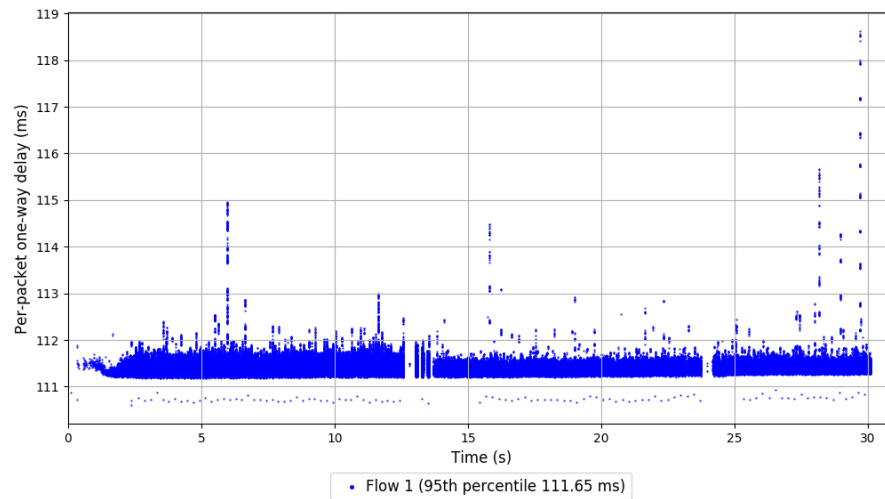
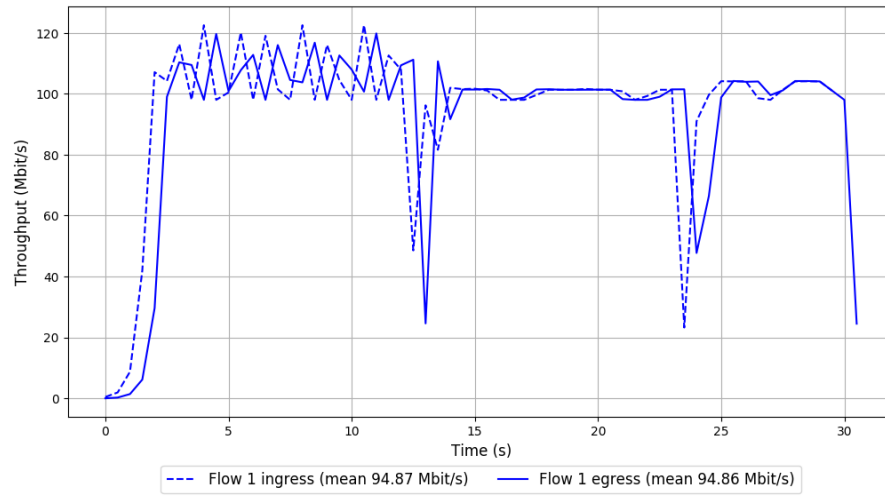
-- Flow 1:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 111.647 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-18 10:05:47

End at: 2018-06-18 10:06:17

Local clock offset: 1.292 ms

Remote clock offset: 2.345 ms

Below is generated by plot.py at 2018-06-18 11:16:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.99 Mbit/s

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

Loss rate: 0.00%

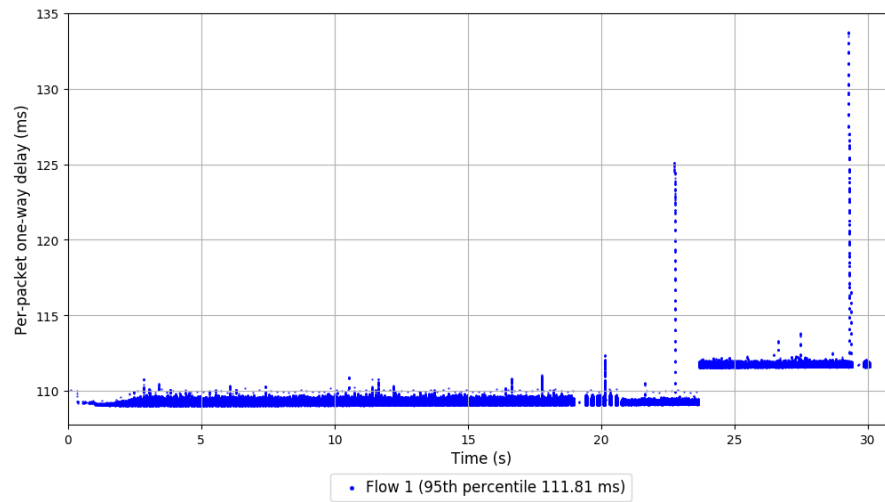
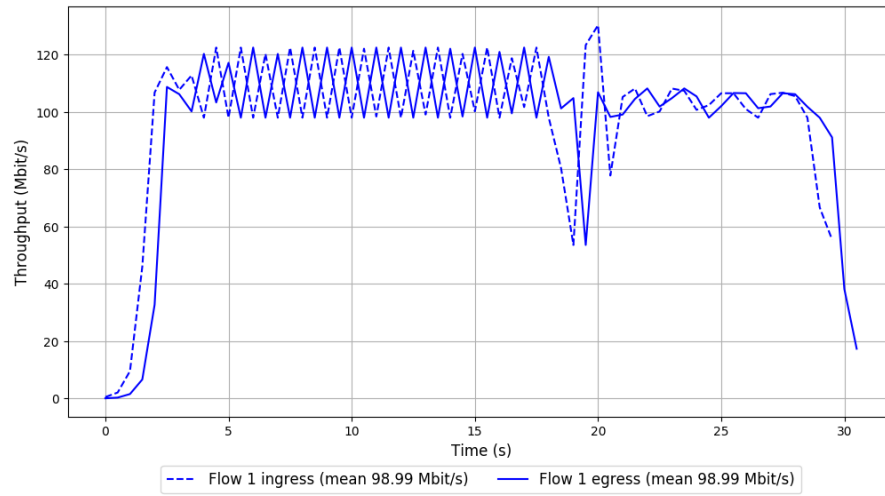
-- Flow 1:

Average throughput: 98.99 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-18 10:26:38

End at: 2018-06-18 10:27:08

Local clock offset: 0.027 ms

Remote clock offset: 1.186 ms

Below is generated by plot.py at 2018-06-18 11:17:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 113.966 ms

Loss rate: 0.01%

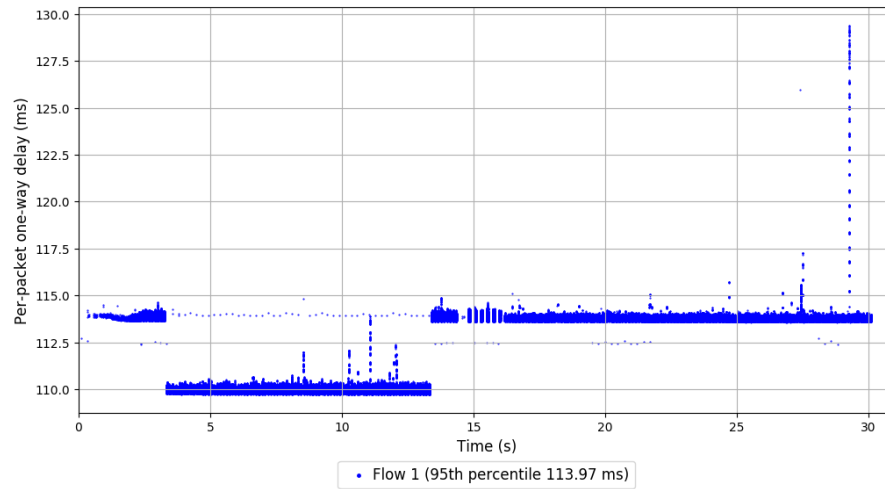
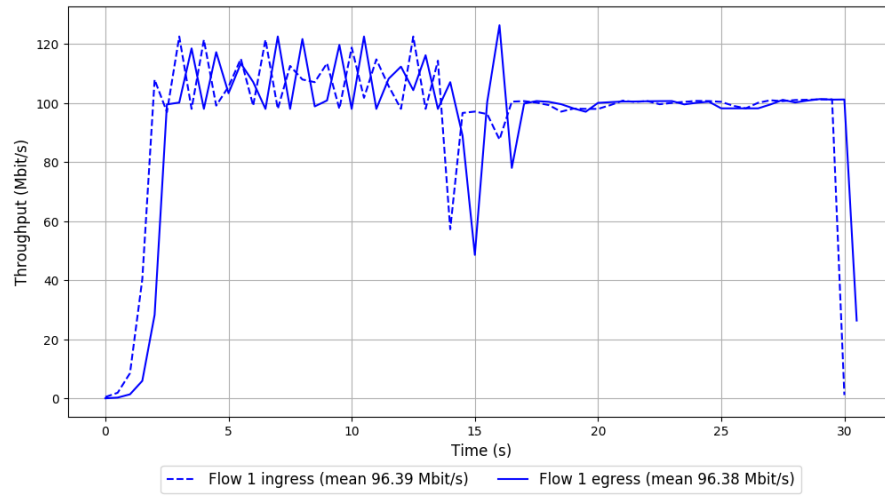
-- Flow 1:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 113.966 ms

Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-18 10:47:23

End at: 2018-06-18 10:47:53

Local clock offset: 1.064 ms

Remote clock offset: 0.618 ms

Below is generated by plot.py at 2018-06-18 11:17:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 112.197 ms

Loss rate: 0.00%

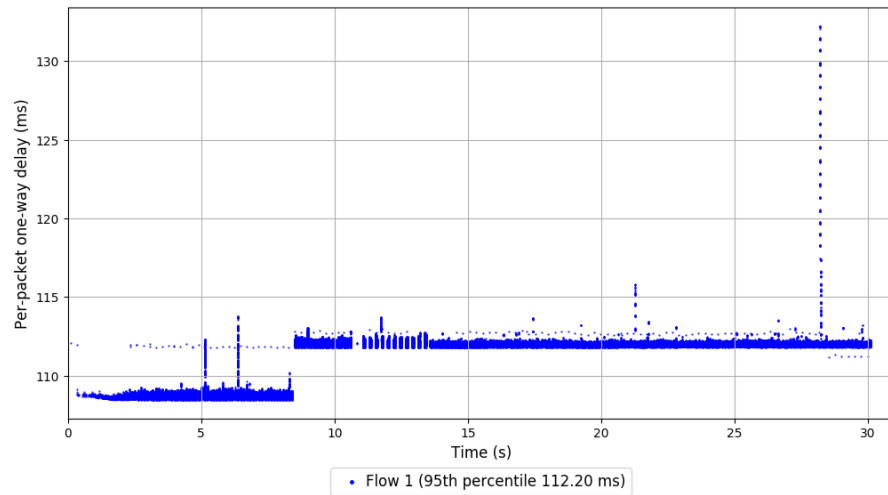
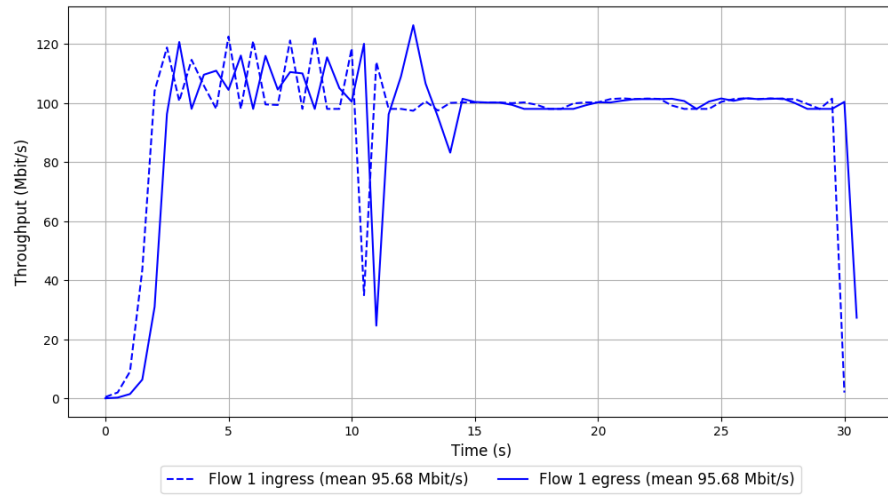
-- Flow 1:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 112.197 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

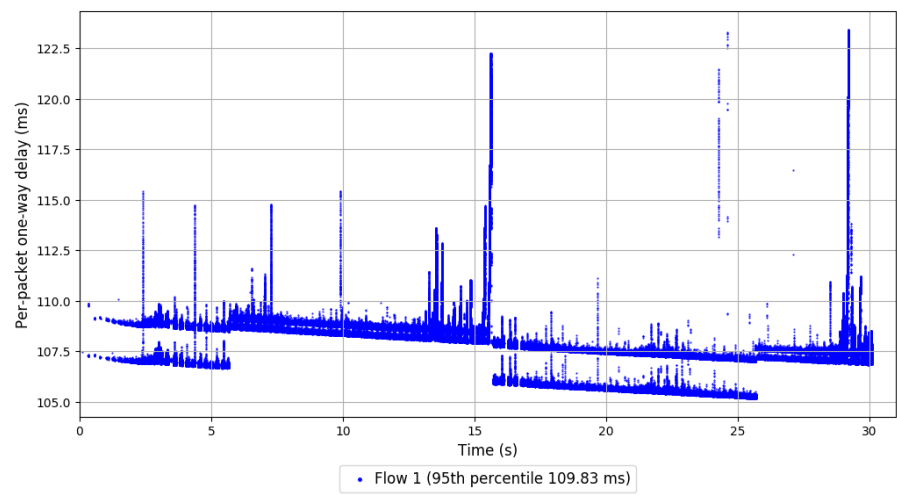
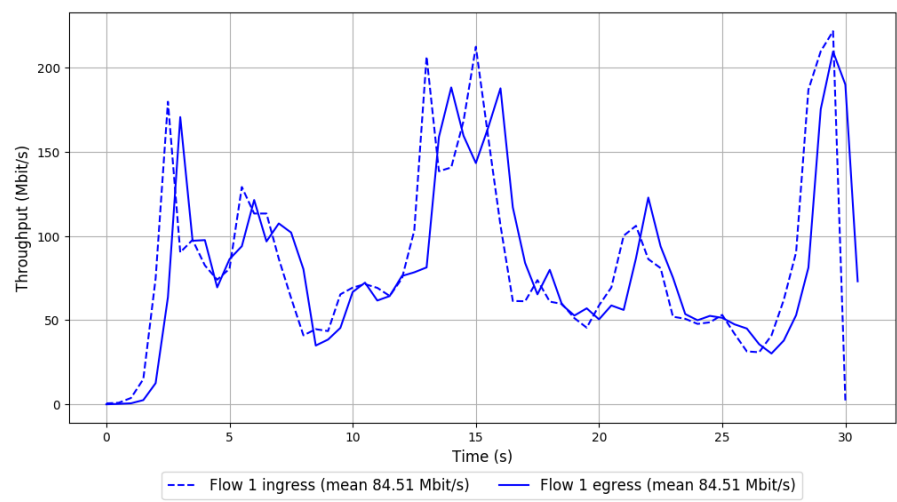


Run 1: Statistics of Copa

Start at: 2018-06-18 07:47:45
End at: 2018-06-18 07:48:15
Local clock offset: 41.974 ms
Remote clock offset: 37.096 ms

Below is generated by plot.py at 2018-06-18 11:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 109.825 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 109.825 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

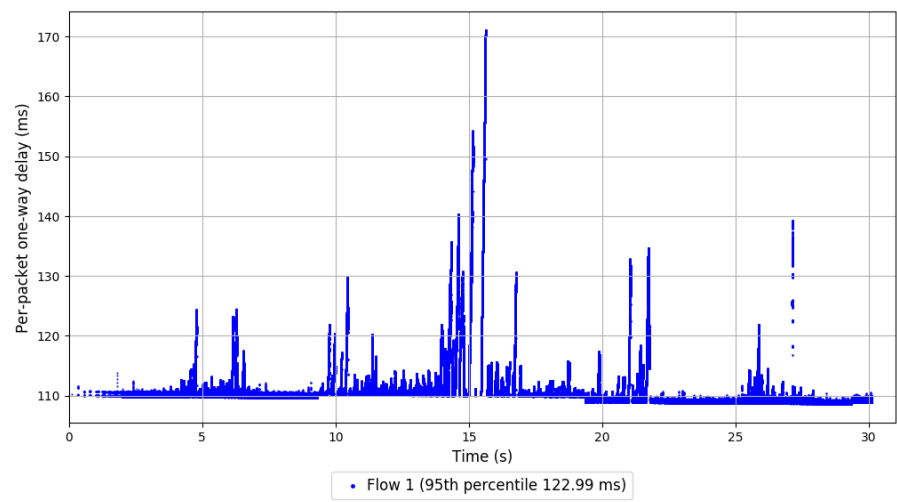
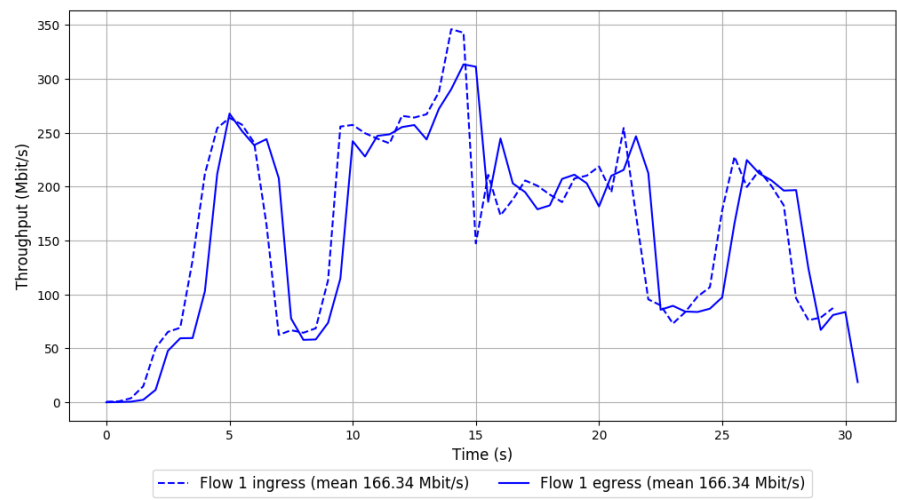


Run 2: Statistics of Copa

Start at: 2018-06-18 08:08:22
End at: 2018-06-18 08:08:52
Local clock offset: 22.014 ms
Remote clock offset: 42.094 ms

Below is generated by plot.py at 2018-06-18 11:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.34 Mbit/s
95th percentile per-packet one-way delay: 122.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.34 Mbit/s
95th percentile per-packet one-way delay: 122.992 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

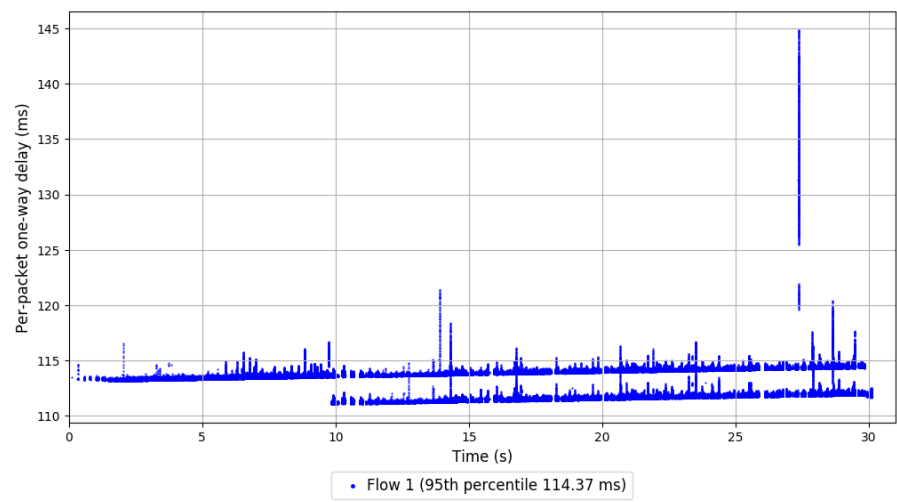
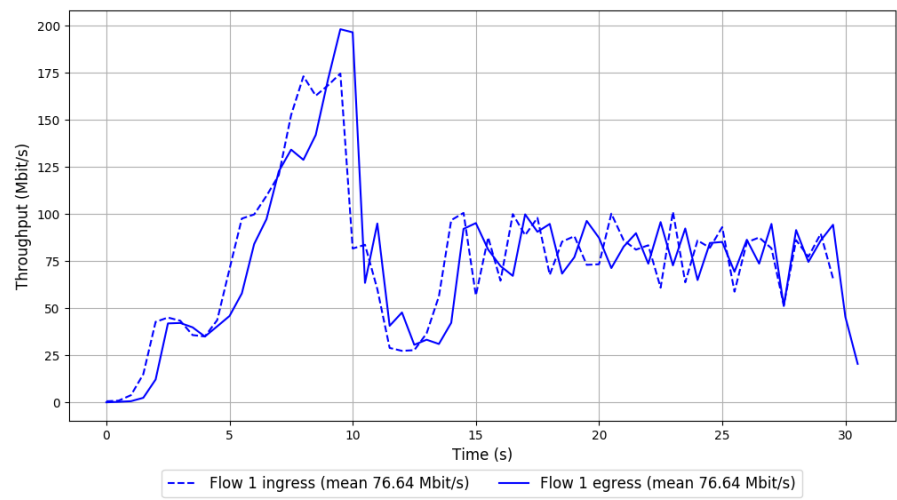


Run 3: Statistics of Copa

Start at: 2018-06-18 08:29:21
End at: 2018-06-18 08:29:51
Local clock offset: 29.638 ms
Remote clock offset: 29.671 ms

Below is generated by plot.py at 2018-06-18 11:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 114.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 114.368 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

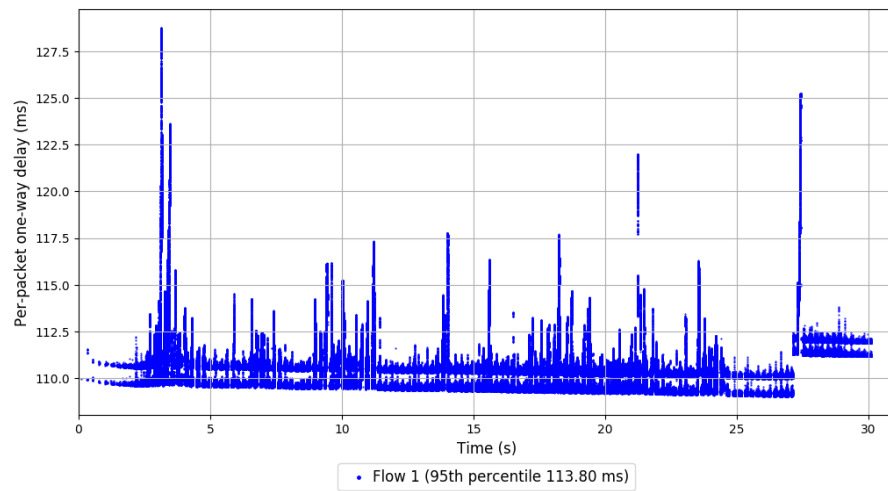
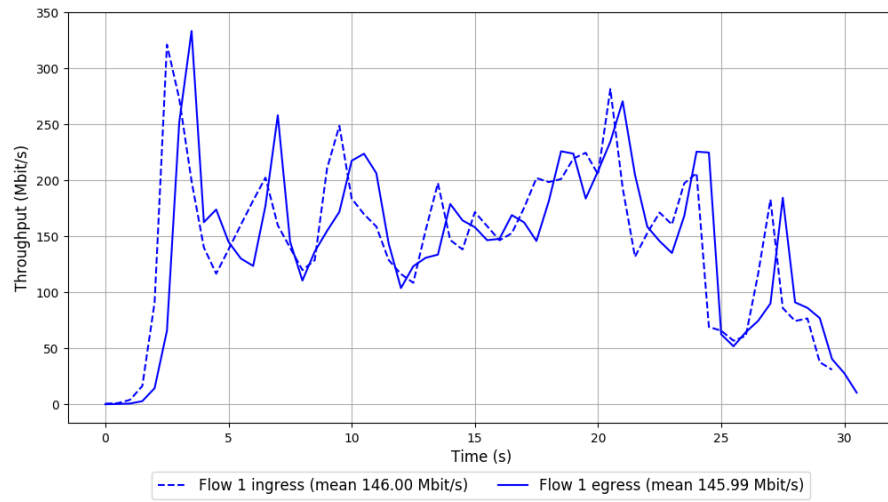


Run 4: Statistics of Copa

Start at: 2018-06-18 08:50:14
End at: 2018-06-18 08:50:44
Local clock offset: 12.294 ms
Remote clock offset: 28.375 ms

Below is generated by plot.py at 2018-06-18 11:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.99 Mbit/s
95th percentile per-packet one-way delay: 113.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.99 Mbit/s
95th percentile per-packet one-way delay: 113.800 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-18 09:11:06

End at: 2018-06-18 09:11:36

Local clock offset: 8.146 ms

Remote clock offset: 7.591 ms

Below is generated by plot.py at 2018-06-18 11:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.12 Mbit/s

95th percentile per-packet one-way delay: 135.928 ms

Loss rate: 0.01%

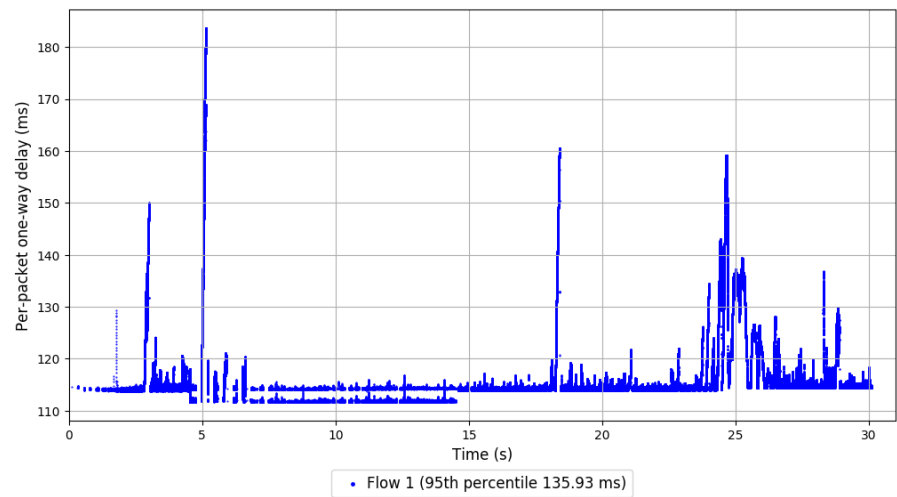
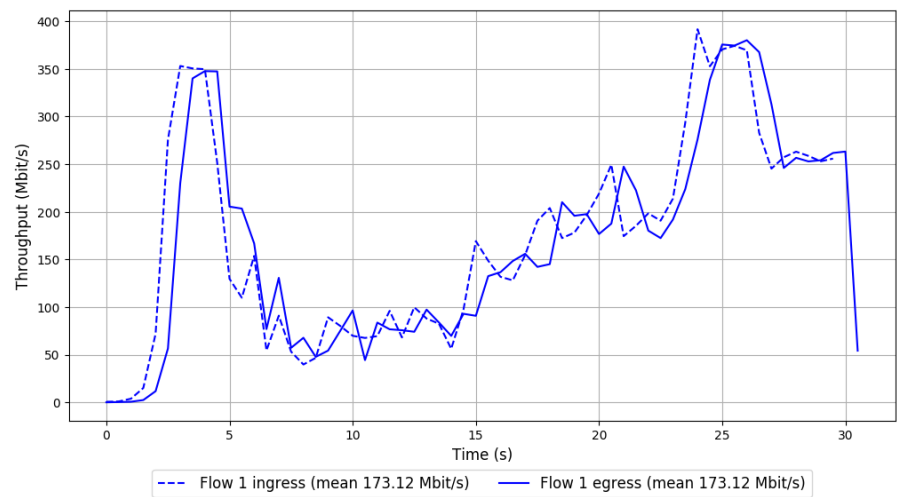
-- Flow 1:

Average throughput: 173.12 Mbit/s

95th percentile per-packet one-way delay: 135.928 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-18 09:31:42

End at: 2018-06-18 09:32:12

Local clock offset: 4.582 ms

Remote clock offset: 5.319 ms

Below is generated by plot.py at 2018-06-18 11:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.30 Mbit/s

95th percentile per-packet one-way delay: 133.860 ms

Loss rate: 0.00%

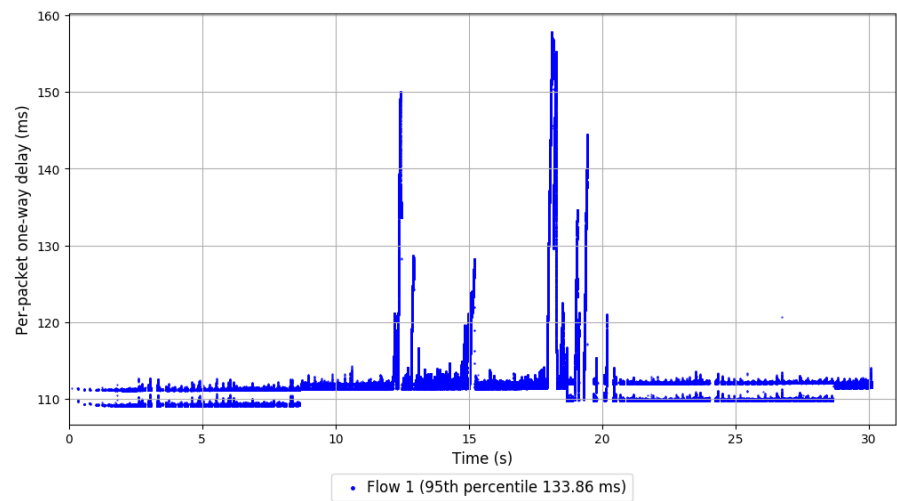
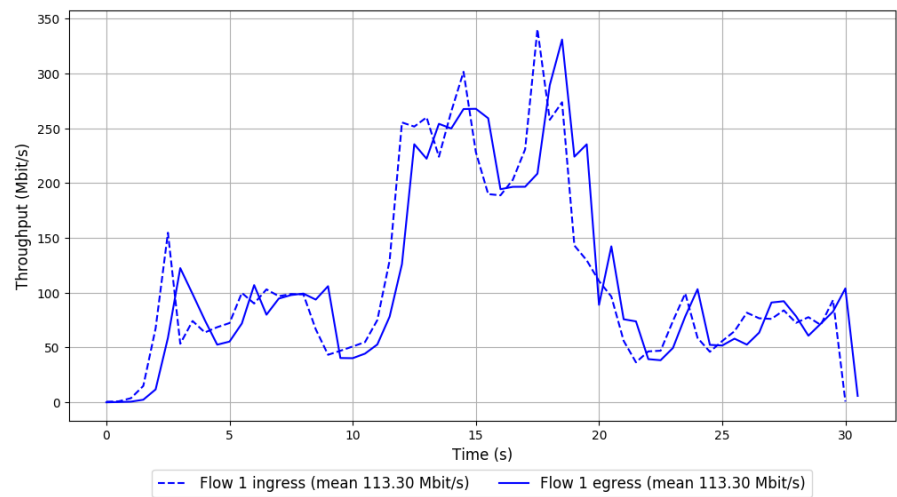
-- Flow 1:

Average throughput: 113.30 Mbit/s

95th percentile per-packet one-way delay: 133.860 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

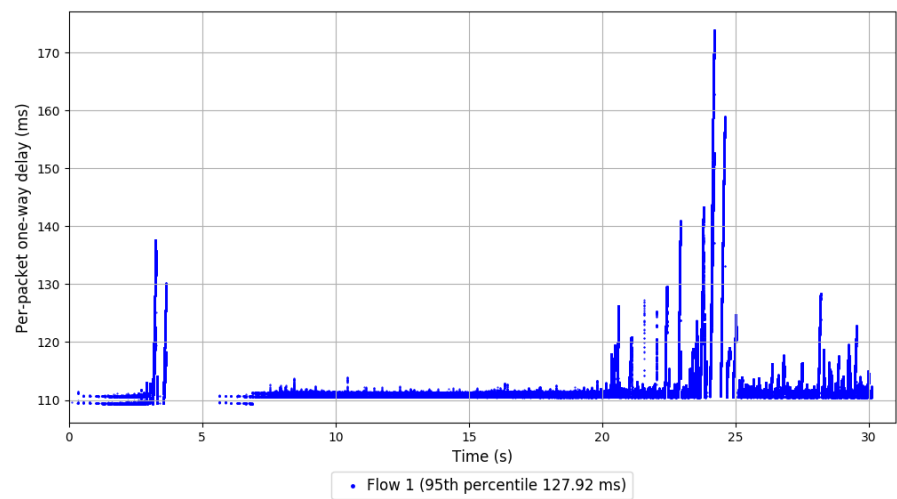
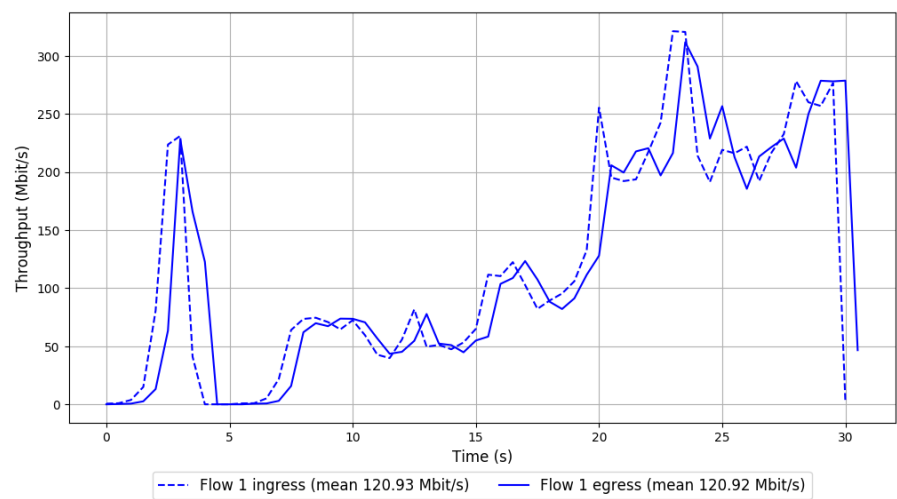


Run 7: Statistics of Copa

Start at: 2018-06-18 09:52:44
End at: 2018-06-18 09:53:14
Local clock offset: 2.355 ms
Remote clock offset: 2.532 ms

Below is generated by plot.py at 2018-06-18 11:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.92 Mbit/s
95th percentile per-packet one-way delay: 127.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.92 Mbit/s
95th percentile per-packet one-way delay: 127.921 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-18 10:13:04

End at: 2018-06-18 10:13:34

Local clock offset: 1.592 ms

Remote clock offset: 1.08 ms

Below is generated by plot.py at 2018-06-18 11:24:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.27 Mbit/s

95th percentile per-packet one-way delay: 123.667 ms

Loss rate: 0.00%

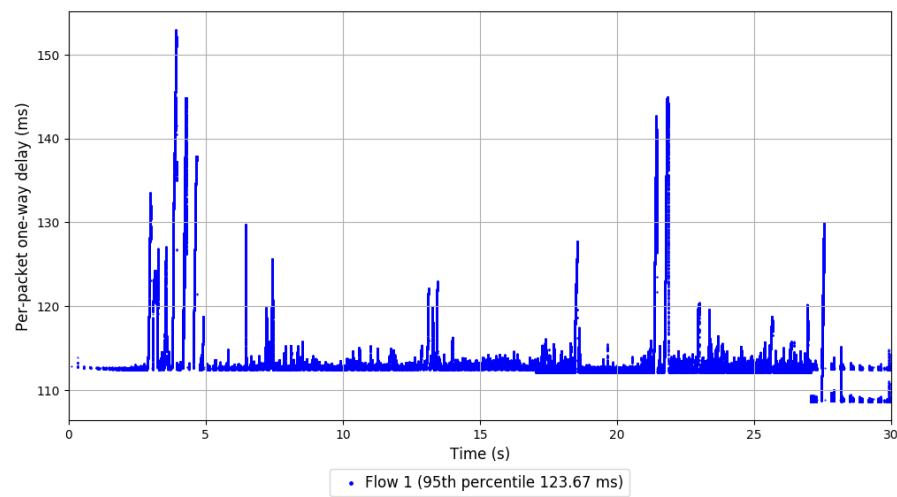
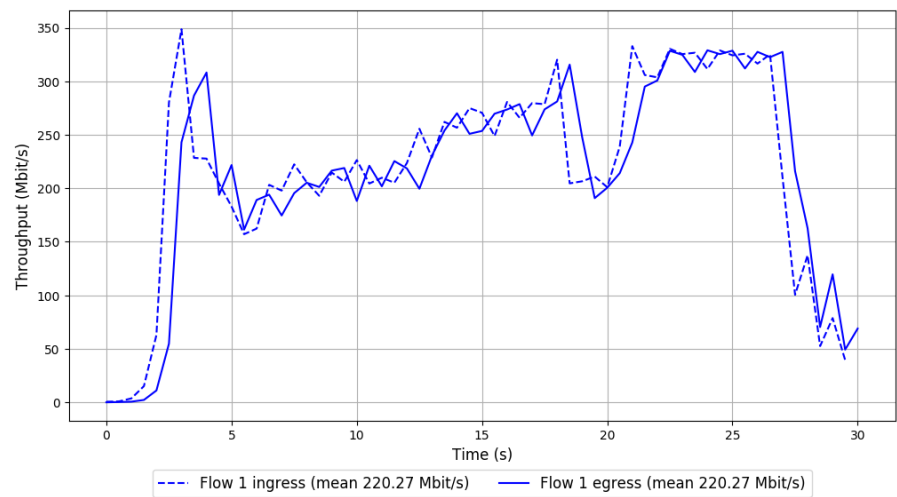
-- Flow 1:

Average throughput: 220.27 Mbit/s

95th percentile per-packet one-way delay: 123.667 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-18 10:34:11

End at: 2018-06-18 10:34:41

Local clock offset: 1.013 ms

Remote clock offset: 1.784 ms

Below is generated by plot.py at 2018-06-18 11:24:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.71 Mbit/s

95th percentile per-packet one-way delay: 128.049 ms

Loss rate: 0.00%

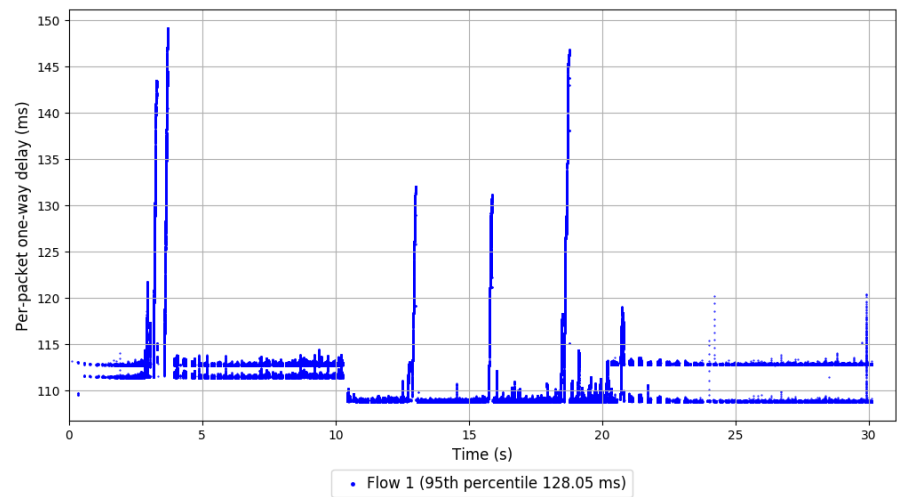
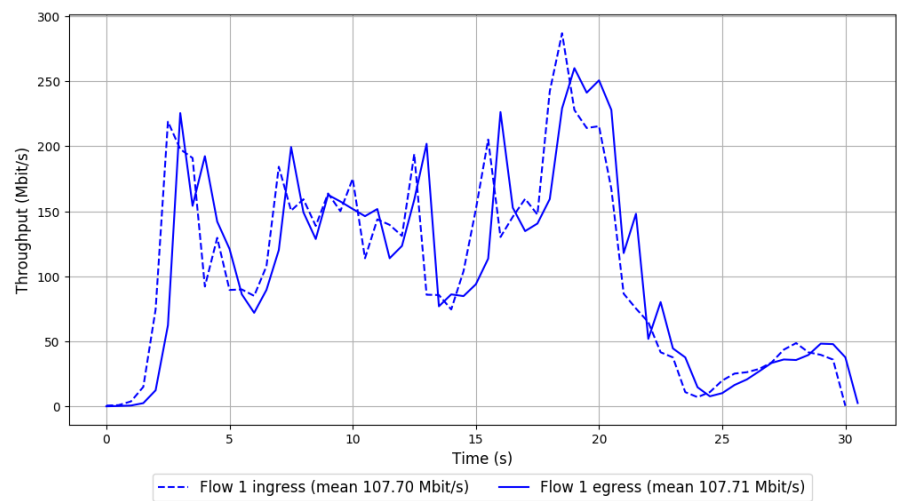
-- Flow 1:

Average throughput: 107.71 Mbit/s

95th percentile per-packet one-way delay: 128.049 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-18 10:55:02

End at: 2018-06-18 10:55:32

Local clock offset: 2.061 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-06-18 11:24:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.27 Mbit/s

95th percentile per-packet one-way delay: 113.787 ms

Loss rate: 0.00%

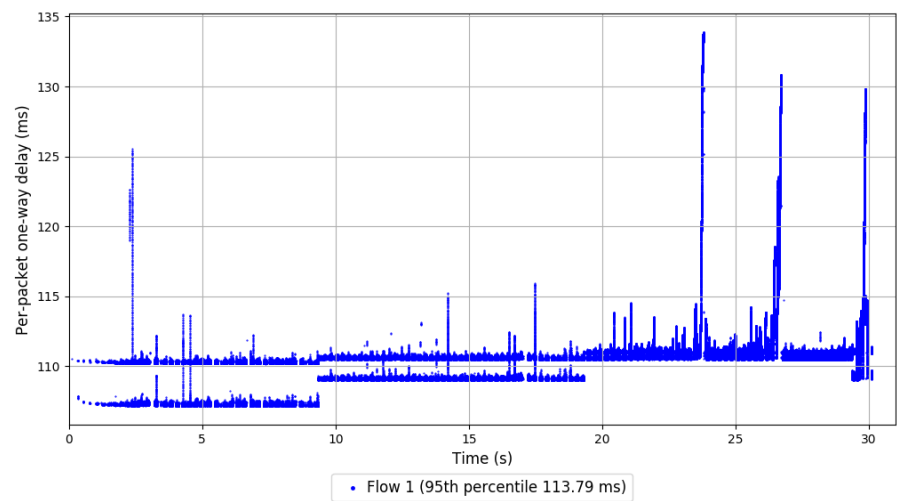
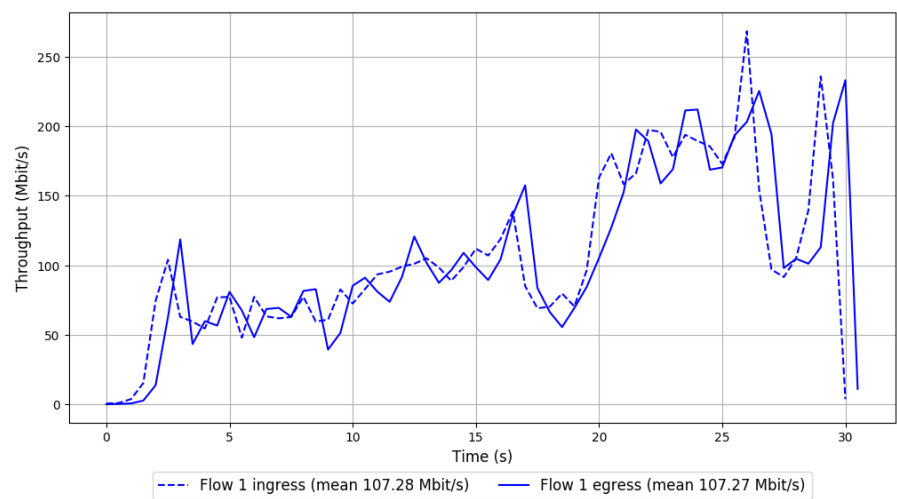
-- Flow 1:

Average throughput: 107.27 Mbit/s

95th percentile per-packet one-way delay: 113.787 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

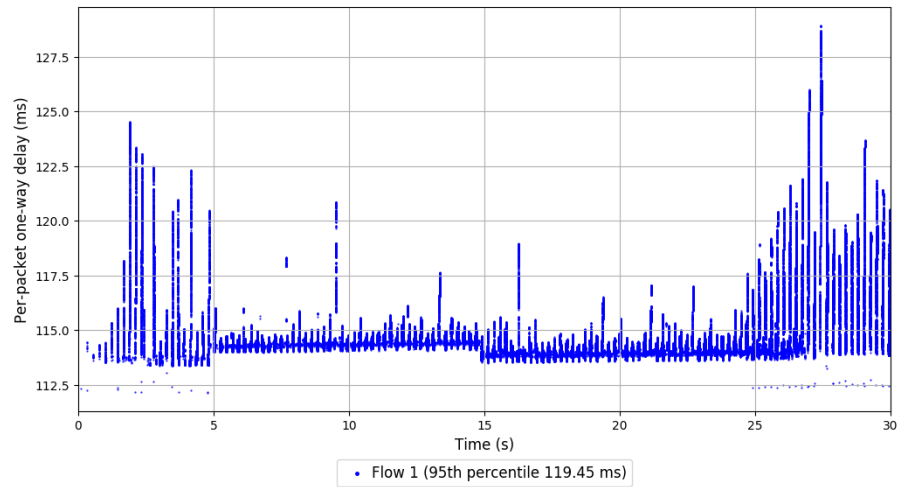
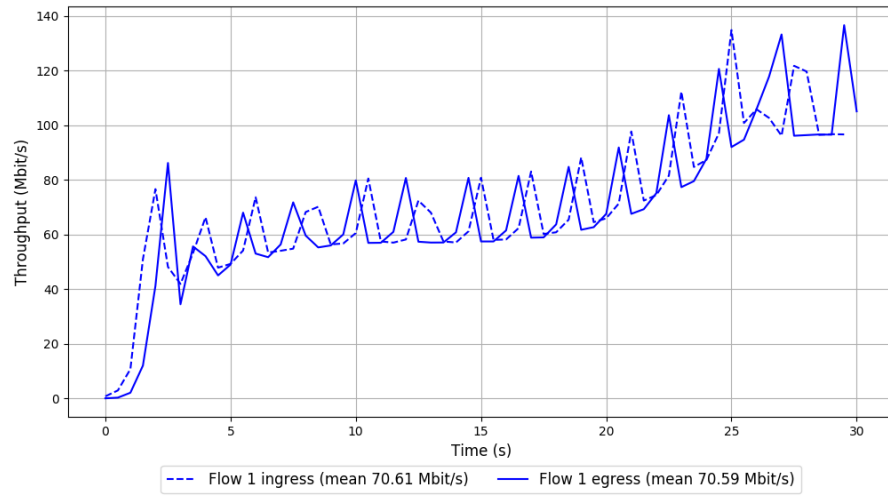


Run 1: Statistics of TCP Cubic

Start at: 2018-06-18 07:45:26
End at: 2018-06-18 07:45:56
Local clock offset: 48.897 ms
Remote clock offset: 39.346 ms

Below is generated by plot.py at 2018-06-18 11:24:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 119.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 119.455 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

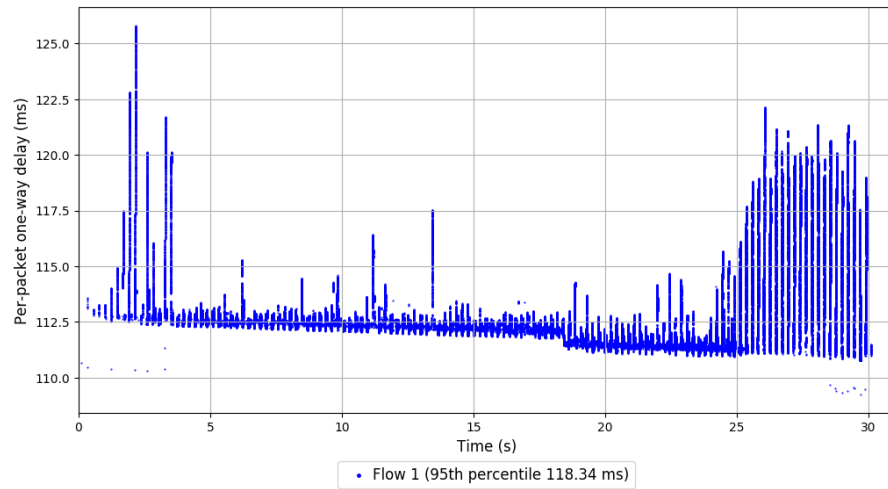
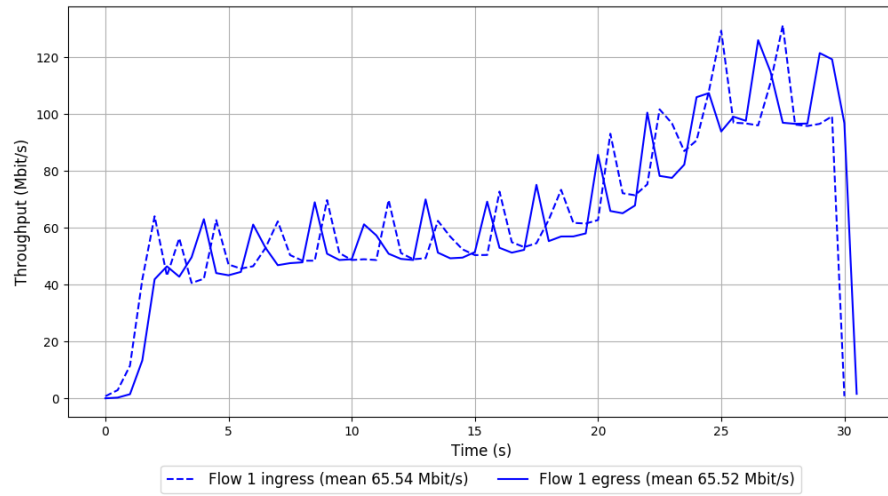


Run 2: Statistics of TCP Cubic

Start at: 2018-06-18 08:06:02
End at: 2018-06-18 08:06:33
Local clock offset: 22.588 ms
Remote clock offset: 39.449 ms

Below is generated by plot.py at 2018-06-18 11:24:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.52 Mbit/s
95th percentile per-packet one-way delay: 118.345 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.52 Mbit/s
95th percentile per-packet one-way delay: 118.345 ms
Loss rate: 0.04%

Run 2: Report of TCP Cubic — Data Link

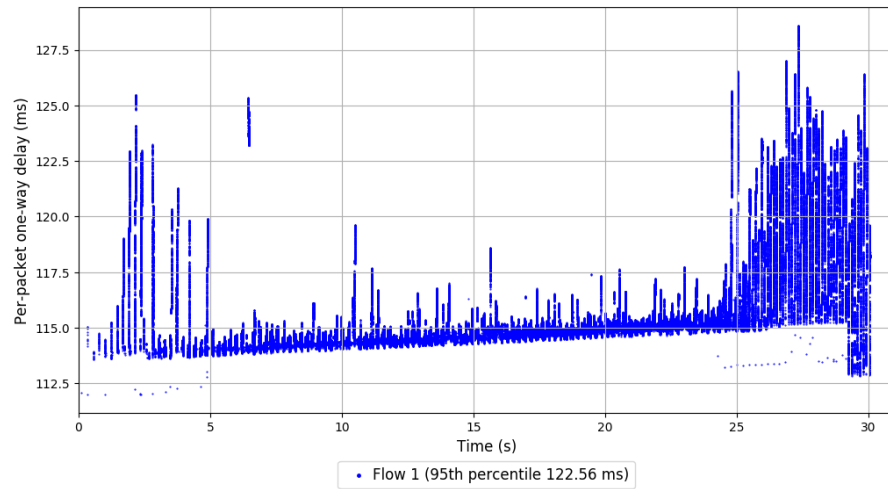
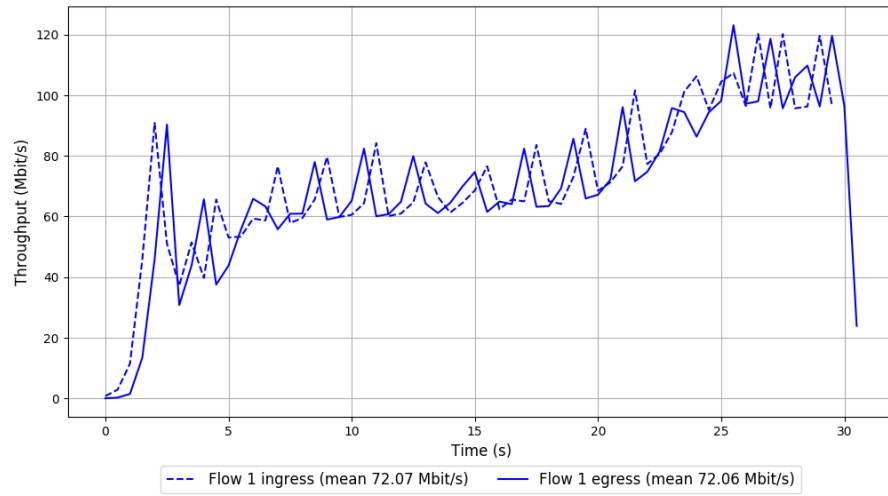


Run 3: Statistics of TCP Cubic

Start at: 2018-06-18 08:27:02
End at: 2018-06-18 08:27:32
Local clock offset: 27.658 ms
Remote clock offset: 34.886 ms

Below is generated by plot.py at 2018-06-18 11:24:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.06 Mbit/s
95th percentile per-packet one-way delay: 122.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.06 Mbit/s
95th percentile per-packet one-way delay: 122.558 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-18 08:47:55

End at: 2018-06-18 08:48:25

Local clock offset: 13.383 ms

Remote clock offset: 26.66 ms

Below is generated by plot.py at 2018-06-18 11:24:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.79 Mbit/s

95th percentile per-packet one-way delay: 117.446 ms

Loss rate: 0.00%

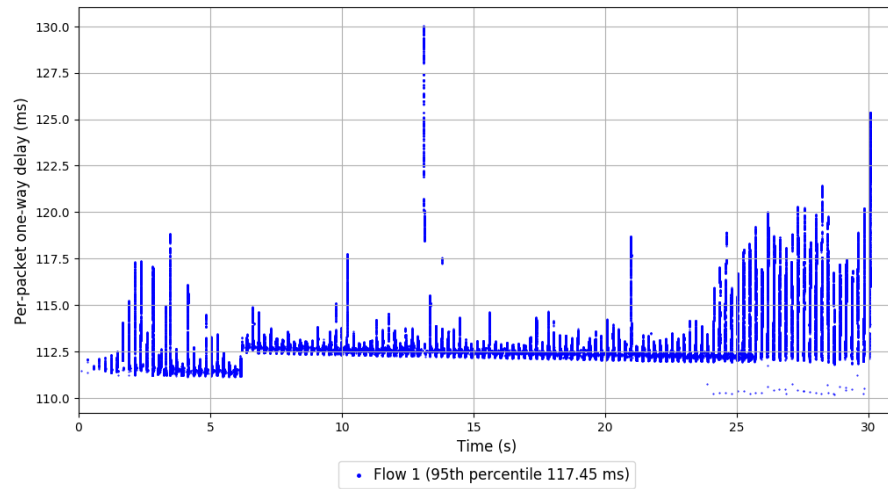
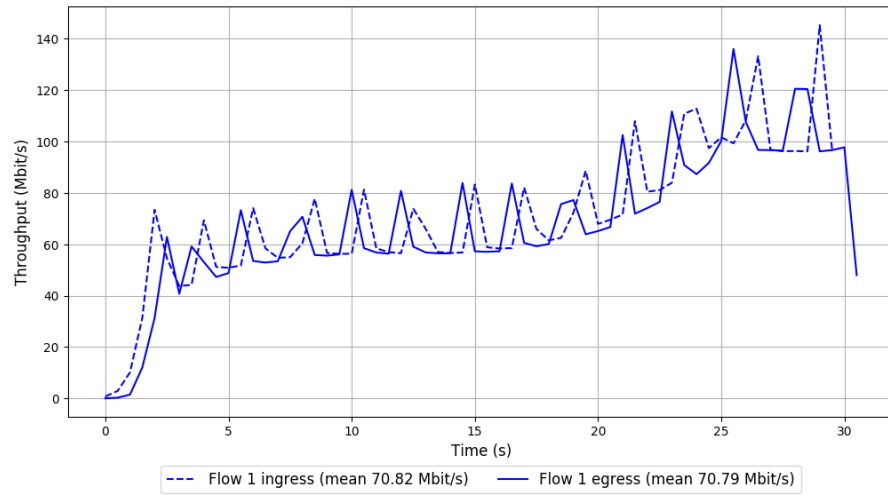
-- Flow 1:

Average throughput: 70.79 Mbit/s

95th percentile per-packet one-way delay: 117.446 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-18 09:08:46

End at: 2018-06-18 09:09:16

Local clock offset: 9.152 ms

Remote clock offset: 9.035 ms

Below is generated by plot.py at 2018-06-18 11:24:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 120.691 ms

Loss rate: 0.00%

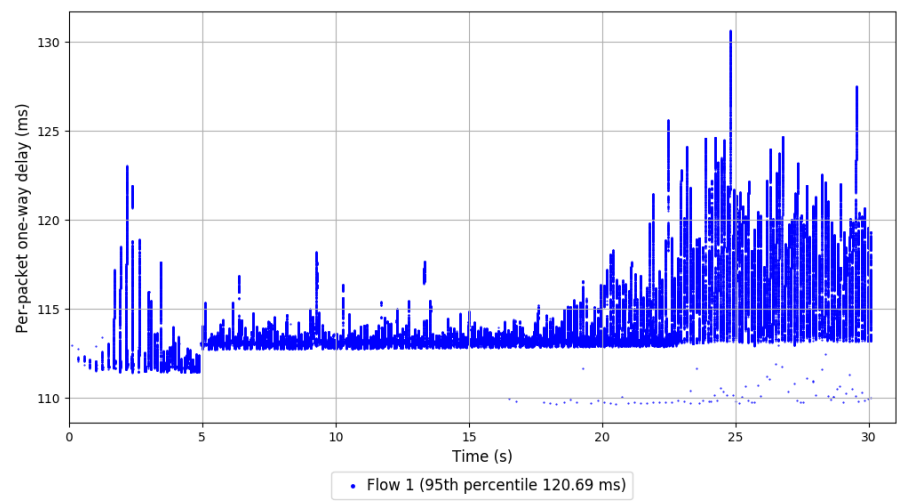
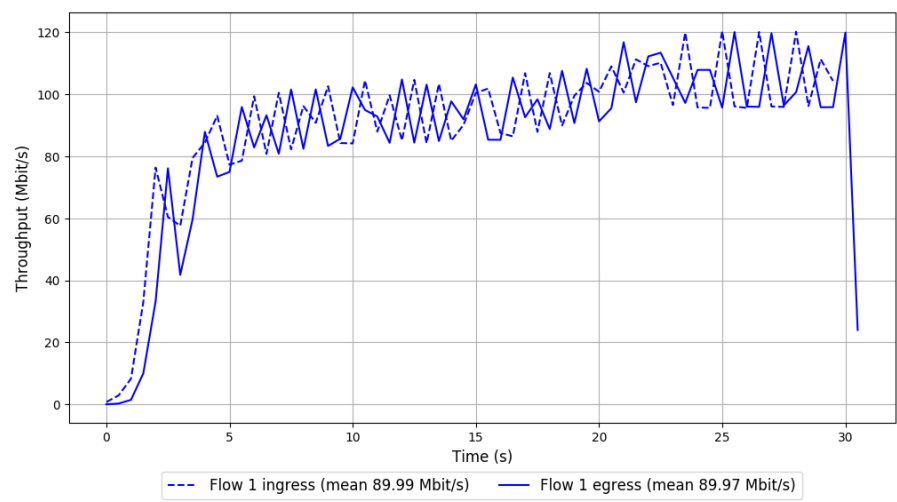
-- Flow 1:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 120.691 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-18 09:29:24

End at: 2018-06-18 09:29:54

Local clock offset: 3.207 ms

Remote clock offset: 7.03 ms

Below is generated by plot.py at 2018-06-18 11:24:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.30 Mbit/s

95th percentile per-packet one-way delay: 120.124 ms

Loss rate: 0.00%

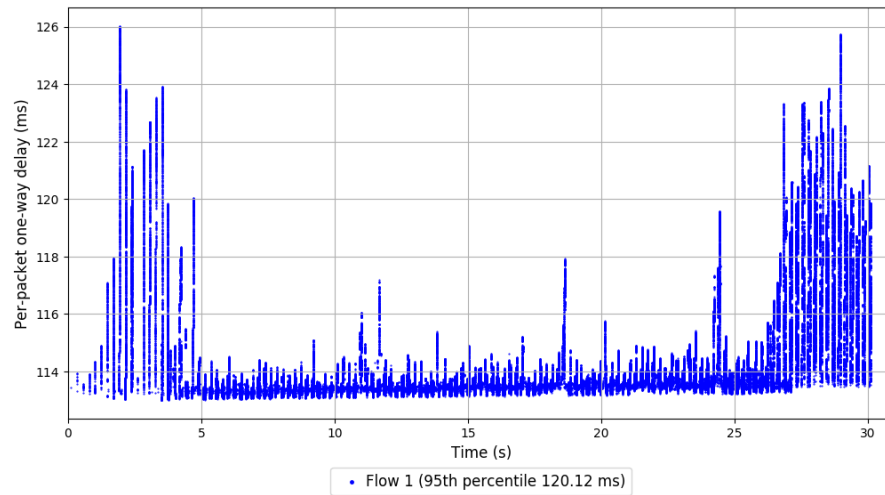
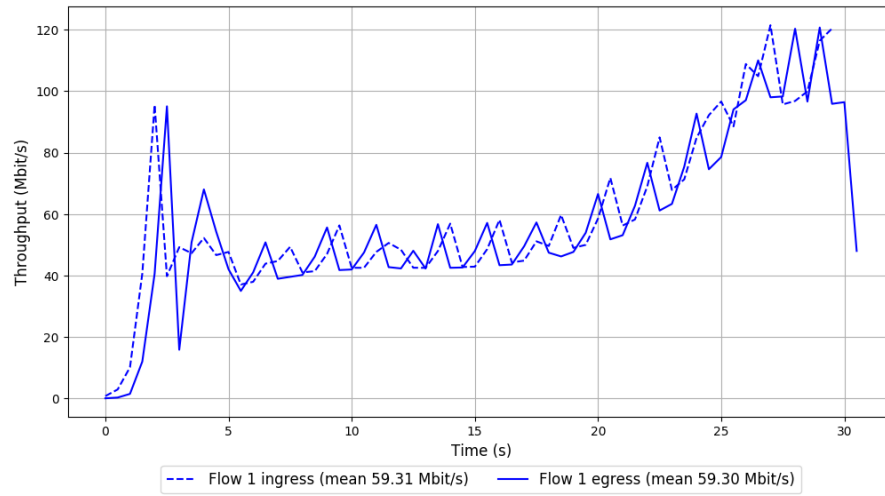
-- Flow 1:

Average throughput: 59.30 Mbit/s

95th percentile per-packet one-way delay: 120.124 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-18 09:50:23

End at: 2018-06-18 09:50:53

Local clock offset: 3.053 ms

Remote clock offset: 2.838 ms

Below is generated by plot.py at 2018-06-18 11:24:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.52 Mbit/s

95th percentile per-packet one-way delay: 118.643 ms

Loss rate: 0.00%

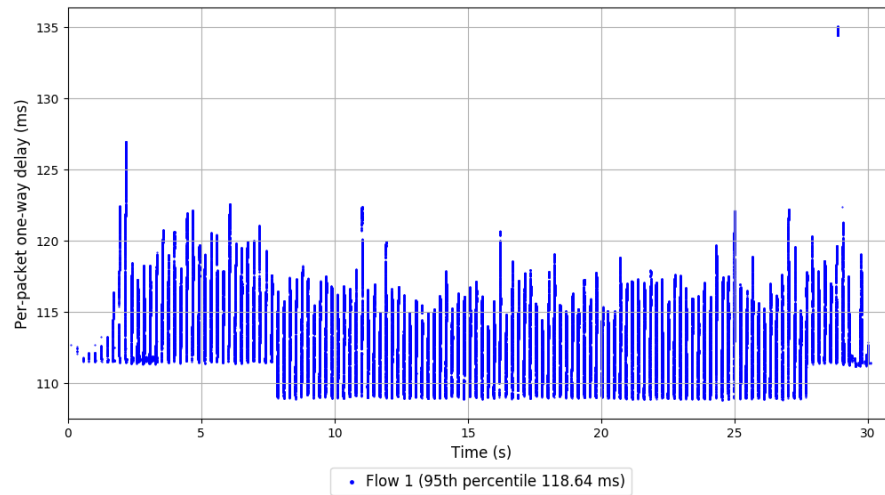
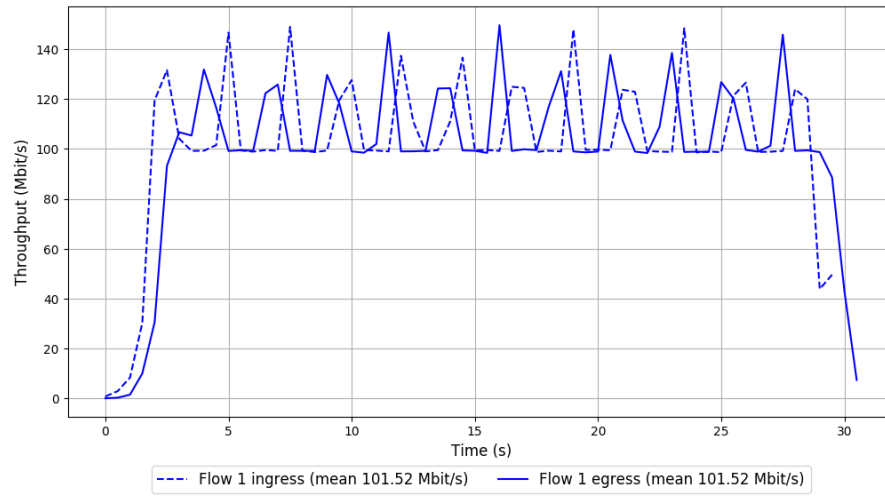
-- Flow 1:

Average throughput: 101.52 Mbit/s

95th percentile per-packet one-way delay: 118.643 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-18 10:10:44

End at: 2018-06-18 10:11:14

Local clock offset: 2.727 ms

Remote clock offset: 1.592 ms

Below is generated by plot.py at 2018-06-18 11:24:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.07 Mbit/s

95th percentile per-packet one-way delay: 118.558 ms

Loss rate: 0.00%

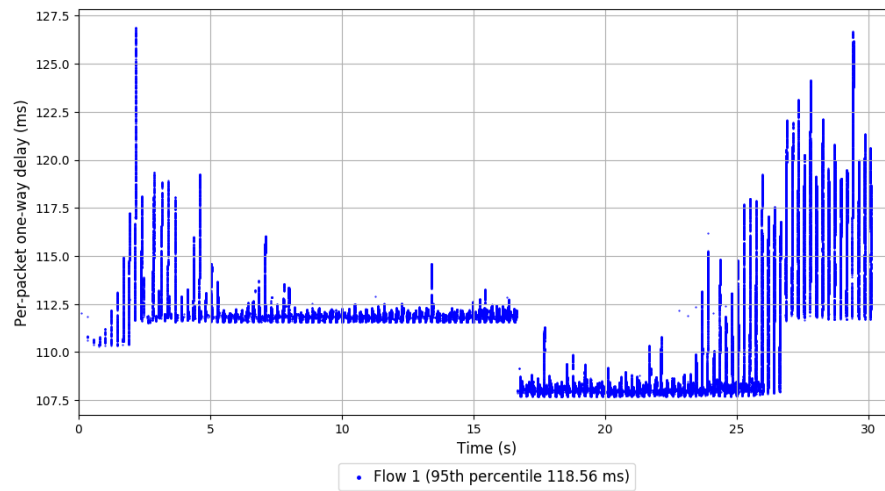
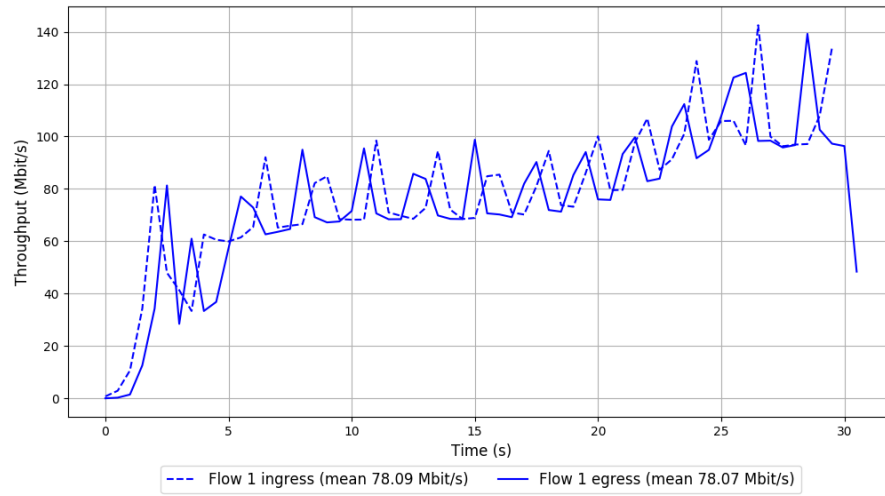
-- Flow 1:

Average throughput: 78.07 Mbit/s

95th percentile per-packet one-way delay: 118.558 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-18 10:31:51

End at: 2018-06-18 10:32:21

Local clock offset: 1.025 ms

Remote clock offset: 1.664 ms

Below is generated by plot.py at 2018-06-18 11:24:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 116.969 ms

Loss rate: 0.00%

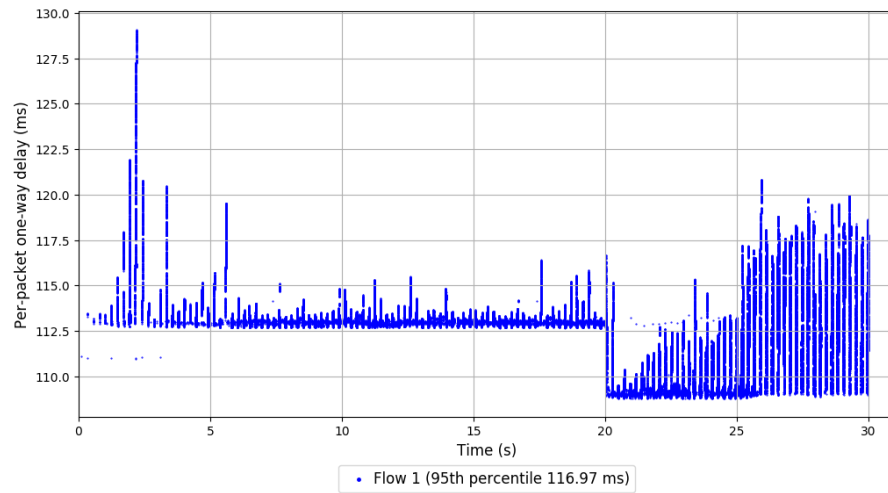
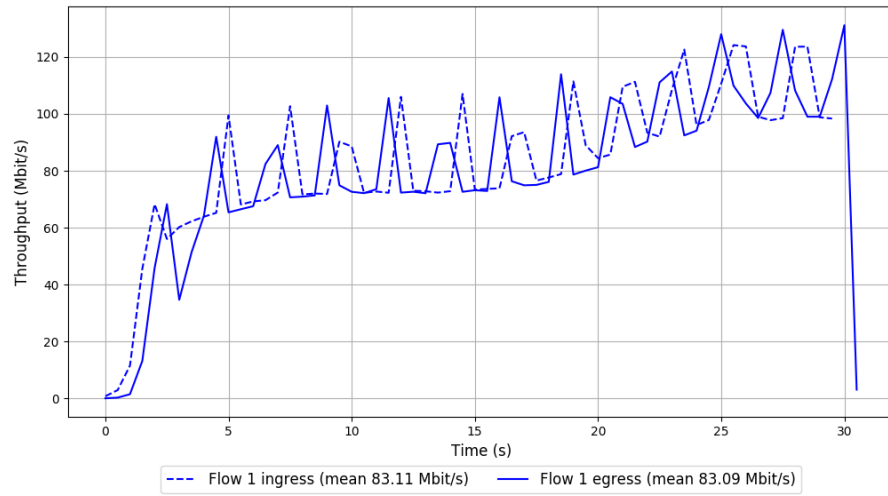
-- Flow 1:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 116.969 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-18 10:52:41

End at: 2018-06-18 10:53:11

Local clock offset: 1.01 ms

Remote clock offset: 0.532 ms

Below is generated by plot.py at 2018-06-18 11:24:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.18 Mbit/s

95th percentile per-packet one-way delay: 119.598 ms

Loss rate: 0.00%

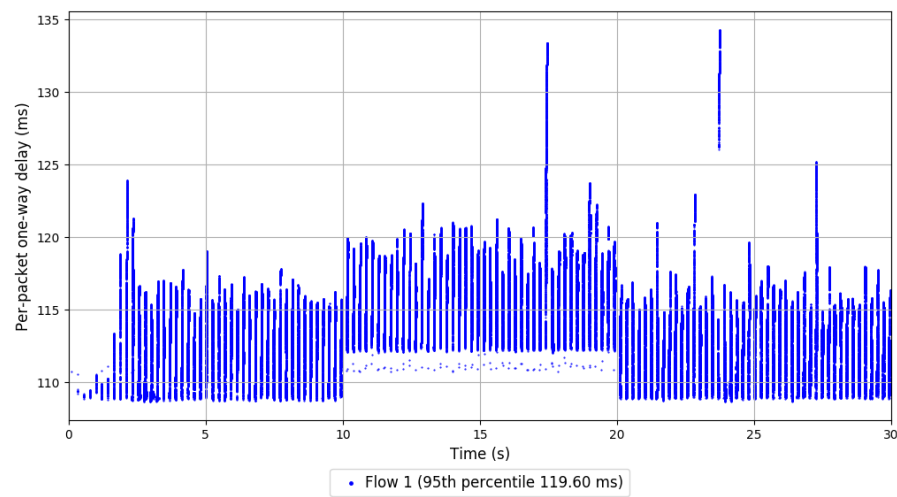
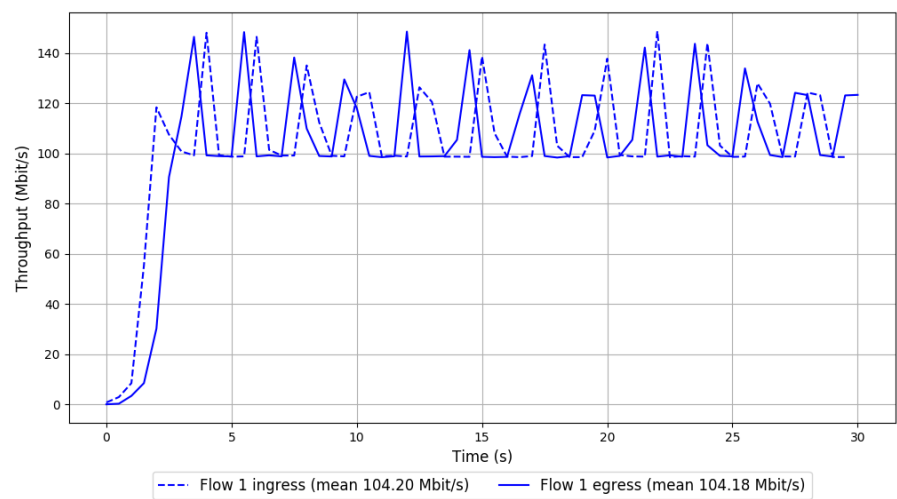
-- Flow 1:

Average throughput: 104.18 Mbit/s

95th percentile per-packet one-way delay: 119.598 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

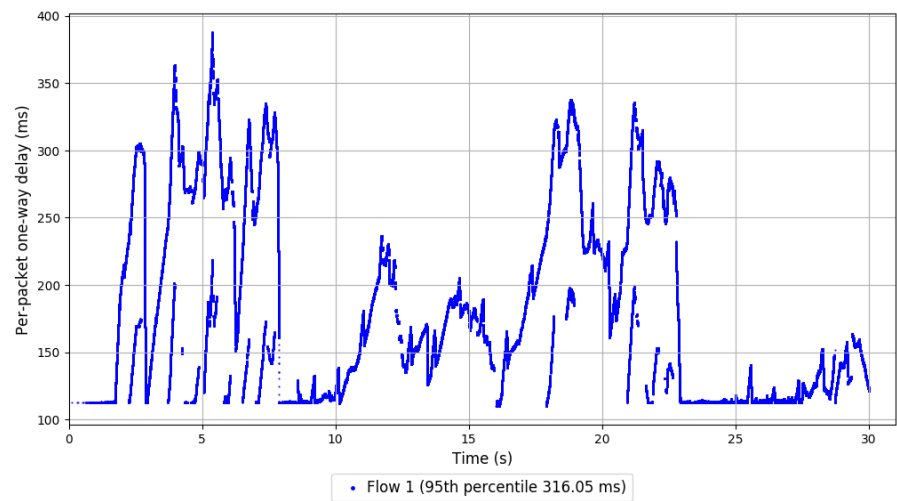
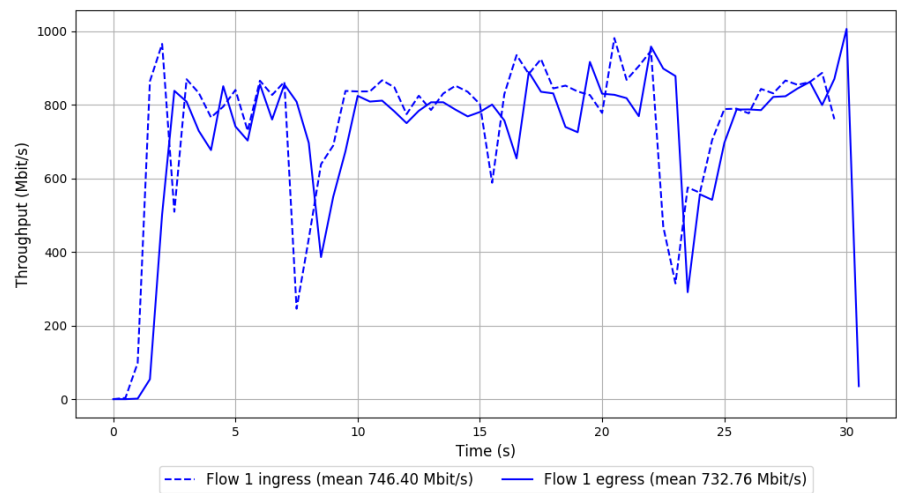


Run 1: Statistics of FillP

Start at: 2018-06-18 07:55:01
End at: 2018-06-18 07:55:31
Local clock offset: 19.967 ms
Remote clock offset: 30.742 ms

Below is generated by plot.py at 2018-06-18 11:37:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 732.76 Mbit/s
95th percentile per-packet one-way delay: 316.050 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 732.76 Mbit/s
95th percentile per-packet one-way delay: 316.050 ms
Loss rate: 1.82%

Run 1: Report of FillP — Data Link

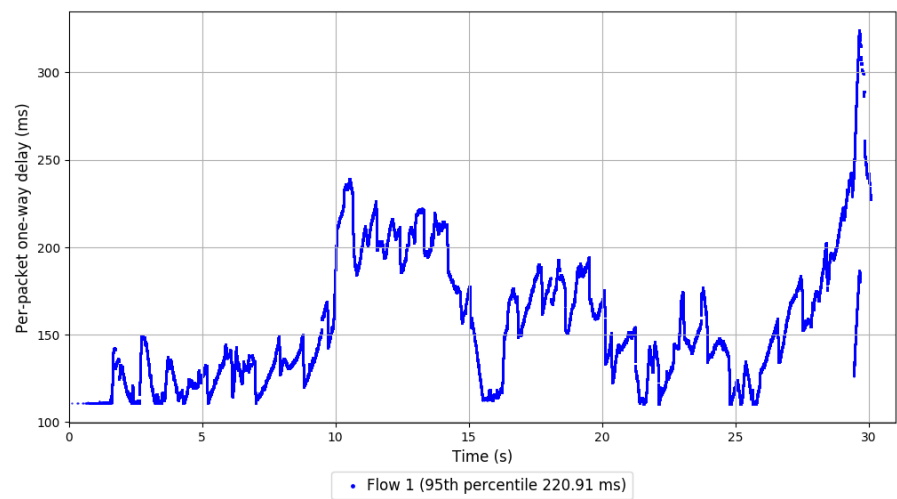
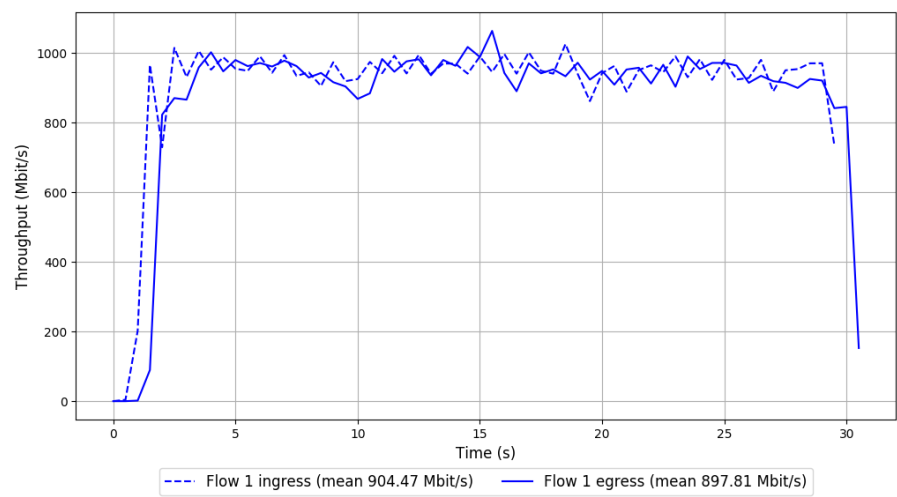


Run 2: Statistics of FillP

Start at: 2018-06-18 08:15:50
End at: 2018-06-18 08:16:20
Local clock offset: 19.43 ms
Remote clock offset: 53.594 ms

Below is generated by plot.py at 2018-06-18 11:39:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 897.81 Mbit/s
95th percentile per-packet one-way delay: 220.915 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 897.81 Mbit/s
95th percentile per-packet one-way delay: 220.915 ms
Loss rate: 0.73%

Run 2: Report of FillP — Data Link

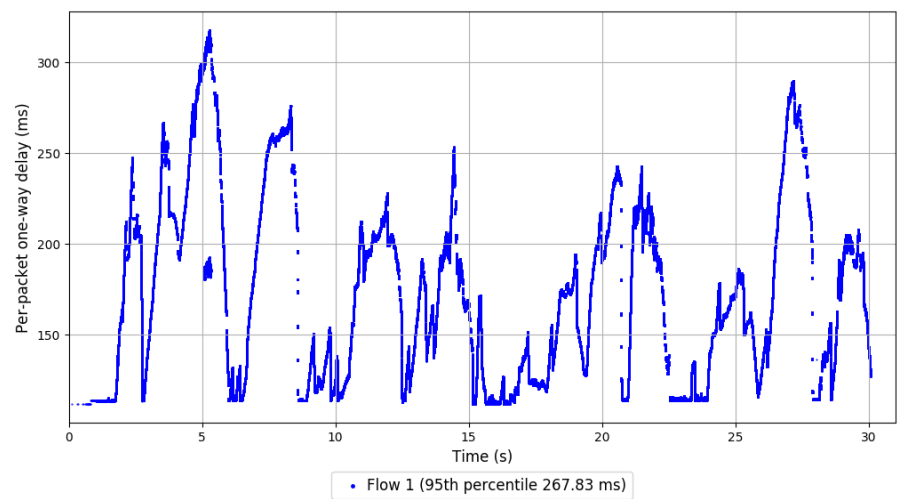
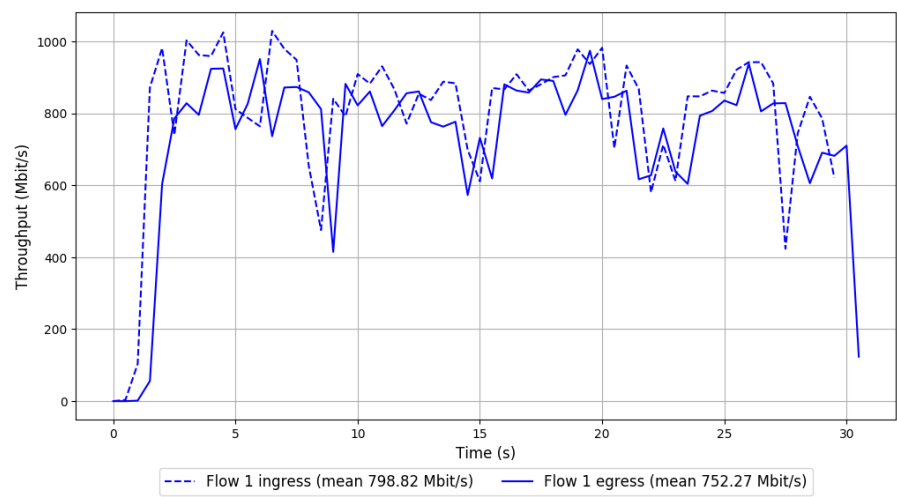


Run 3: Statistics of FillP

Start at: 2018-06-18 08:36:40
End at: 2018-06-18 08:37:10
Local clock offset: 36.165 ms
Remote clock offset: 23.877 ms

Below is generated by plot.py at 2018-06-18 11:39:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 752.27 Mbit/s
95th percentile per-packet one-way delay: 267.832 ms
Loss rate: 5.82%
-- Flow 1:
Average throughput: 752.27 Mbit/s
95th percentile per-packet one-way delay: 267.832 ms
Loss rate: 5.82%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-18 08:57:40

End at: 2018-06-18 08:58:10

Local clock offset: 7.94 ms

Remote clock offset: 22.42 ms

Below is generated by plot.py at 2018-06-18 11:39:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 792.01 Mbit/s

95th percentile per-packet one-way delay: 225.700 ms

Loss rate: 2.81%

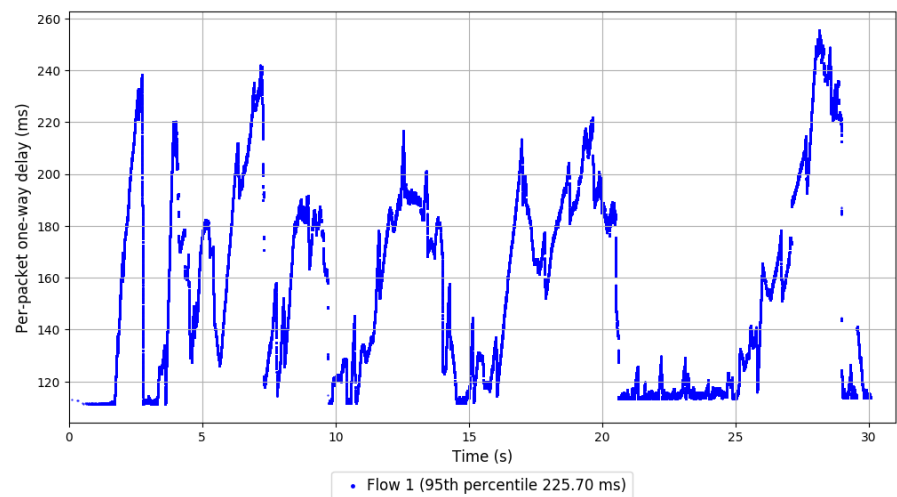
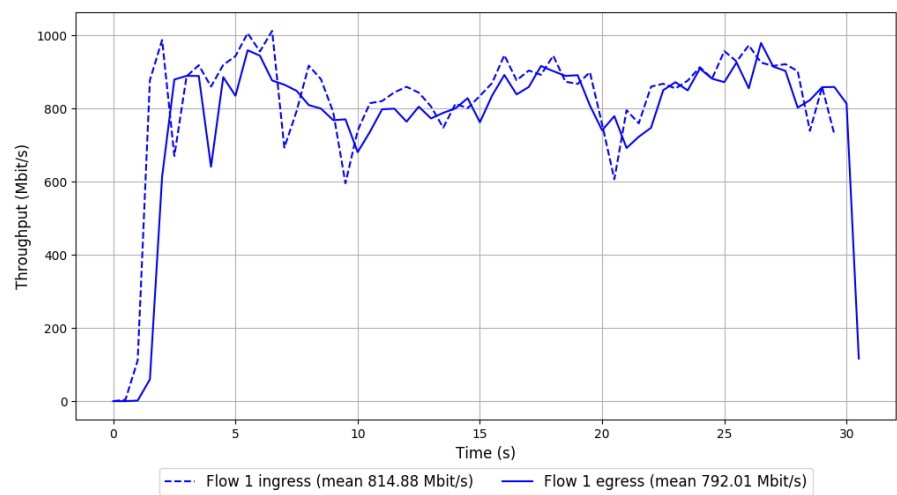
-- Flow 1:

Average throughput: 792.01 Mbit/s

95th percentile per-packet one-way delay: 225.700 ms

Loss rate: 2.81%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-18 09:18:35

End at: 2018-06-18 09:19:05

Local clock offset: 5.132 ms

Remote clock offset: 6.418 ms

Below is generated by plot.py at 2018-06-18 11:39:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 805.10 Mbit/s

95th percentile per-packet one-way delay: 318.086 ms

Loss rate: 2.40%

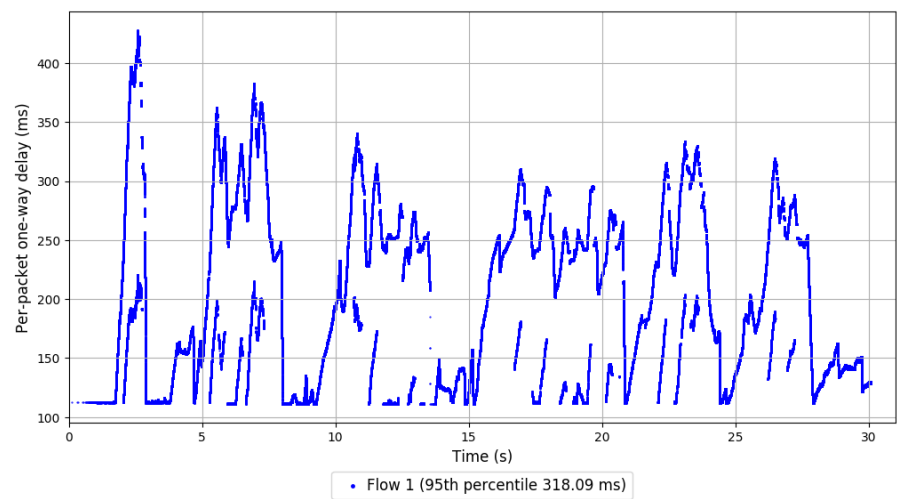
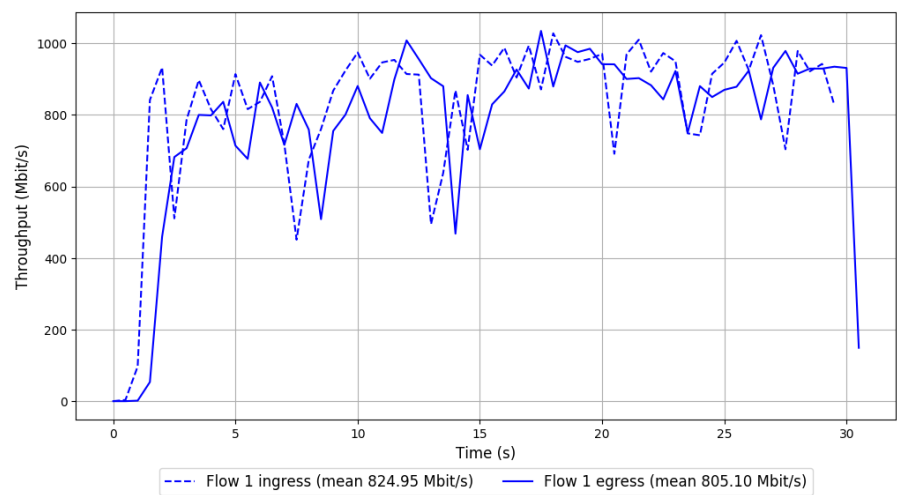
-- Flow 1:

Average throughput: 805.10 Mbit/s

95th percentile per-packet one-way delay: 318.086 ms

Loss rate: 2.40%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-18 09:39:05

End at: 2018-06-18 09:39:35

Local clock offset: 4.918 ms

Remote clock offset: 3.415 ms

Below is generated by plot.py at 2018-06-18 11:39:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 858.11 Mbit/s

95th percentile per-packet one-way delay: 285.954 ms

Loss rate: 1.20%

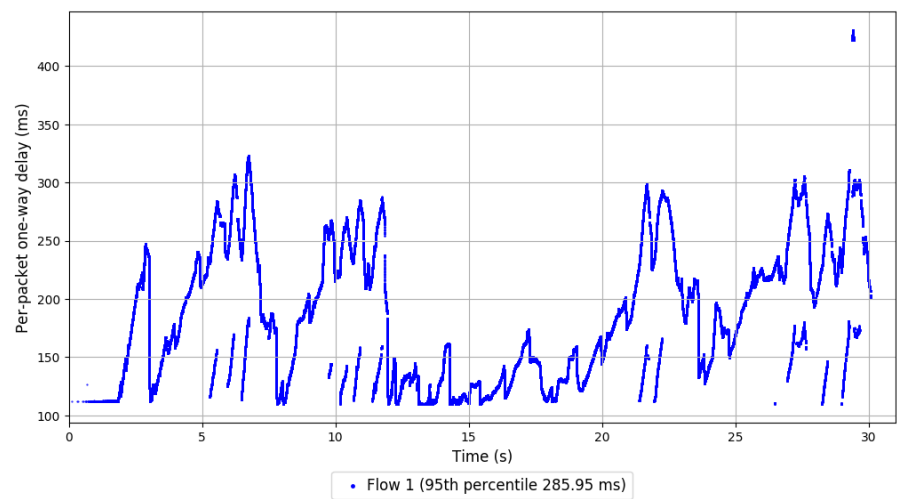
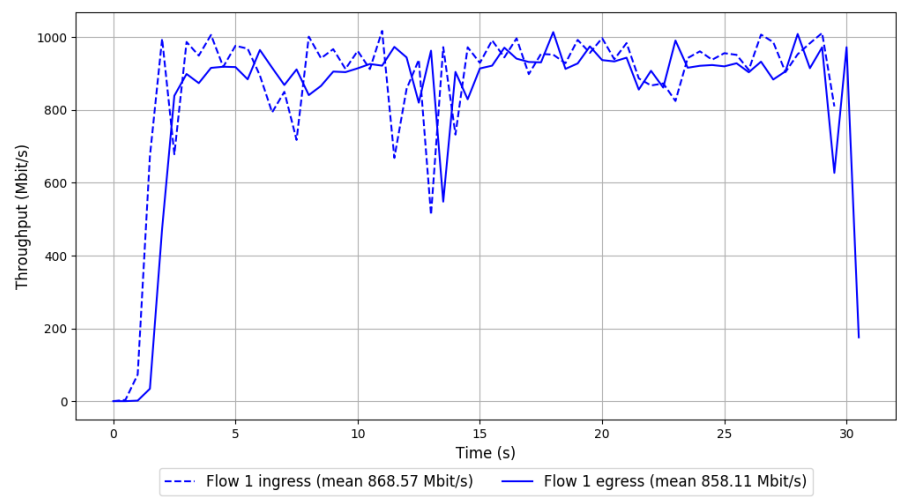
-- Flow 1:

Average throughput: 858.11 Mbit/s

95th percentile per-packet one-way delay: 285.954 ms

Loss rate: 1.20%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-18 10:00:08

End at: 2018-06-18 10:00:38

Local clock offset: 1.663 ms

Remote clock offset: 2.902 ms

Below is generated by plot.py at 2018-06-18 11:39:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 649.76 Mbit/s

95th percentile per-packet one-way delay: 299.822 ms

Loss rate: 2.80%

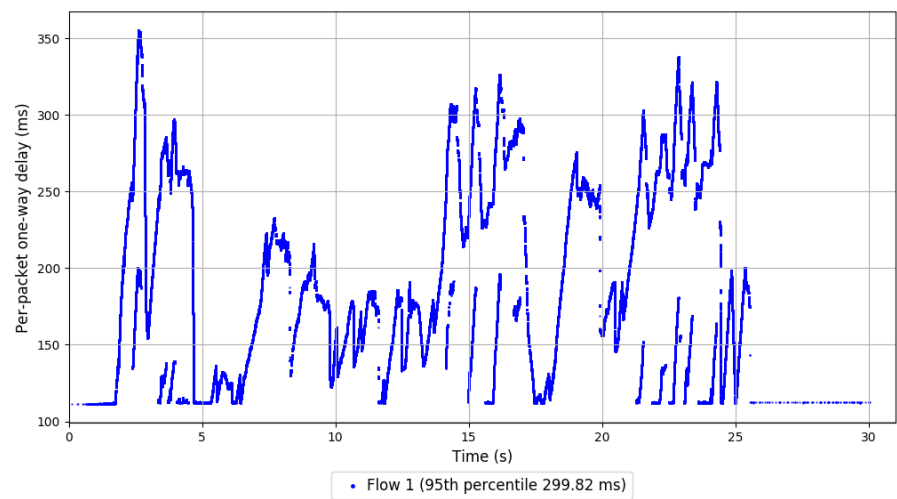
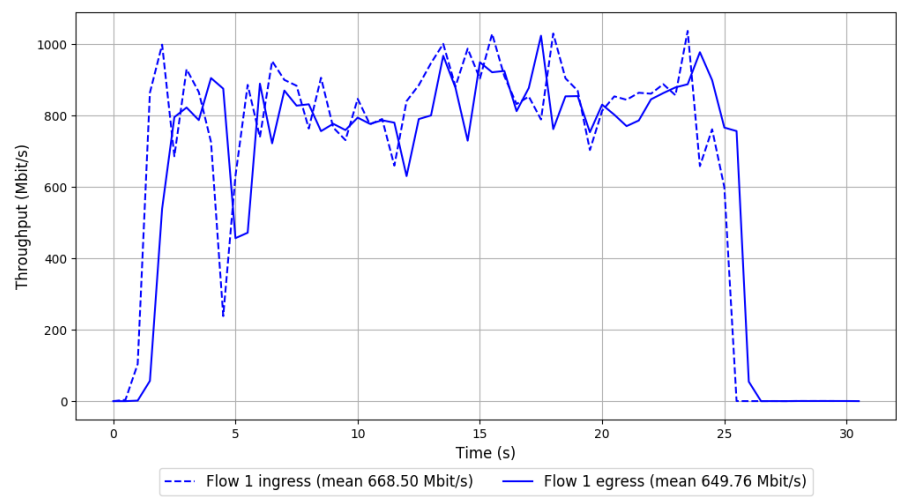
-- Flow 1:

Average throughput: 649.76 Mbit/s

95th percentile per-packet one-way delay: 299.822 ms

Loss rate: 2.80%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-18 10:20:36

End at: 2018-06-18 10:21:06

Local clock offset: 1.997 ms

Remote clock offset: 1.208 ms

Below is generated by plot.py at 2018-06-18 11:40:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 793.18 Mbit/s

95th percentile per-packet one-way delay: 257.023 ms

Loss rate: 3.66%

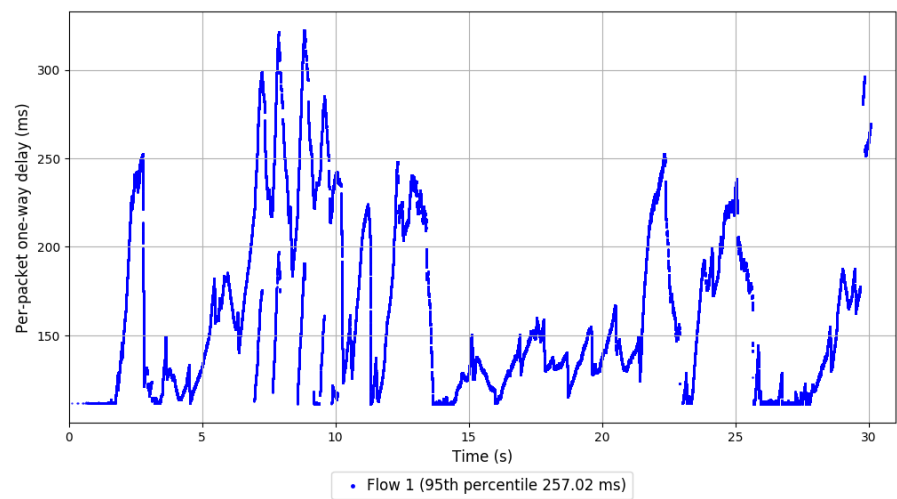
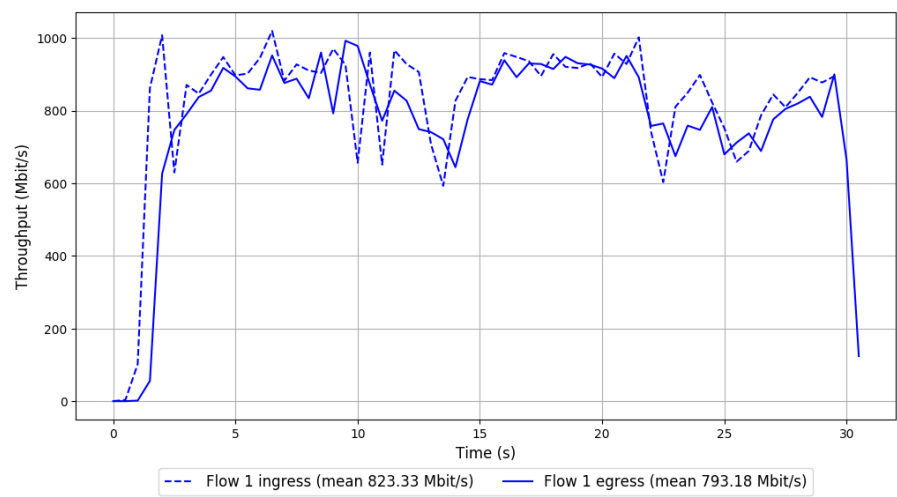
-- Flow 1:

Average throughput: 793.18 Mbit/s

95th percentile per-packet one-way delay: 257.023 ms

Loss rate: 3.66%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-18 10:41:33

End at: 2018-06-18 10:42:03

Local clock offset: 0.5 ms

Remote clock offset: 0.633 ms

Below is generated by plot.py at 2018-06-18 11:51:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 768.52 Mbit/s

95th percentile per-packet one-way delay: 296.370 ms

Loss rate: 1.59%

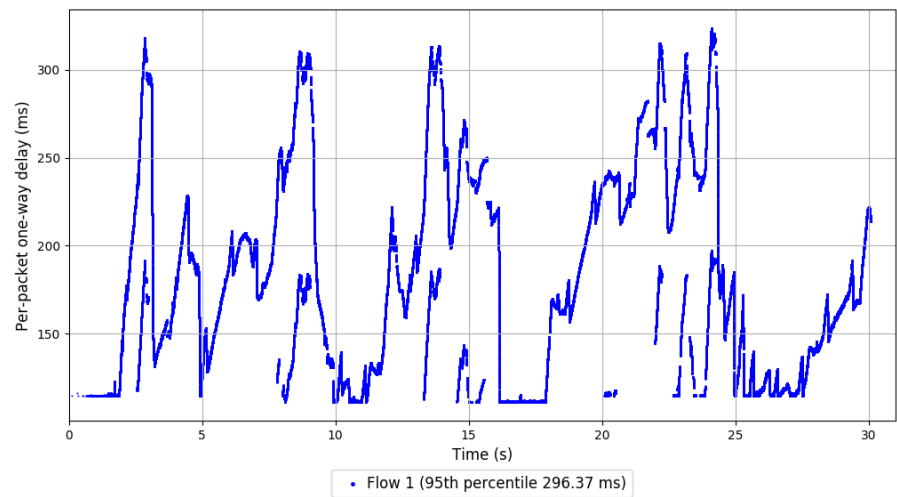
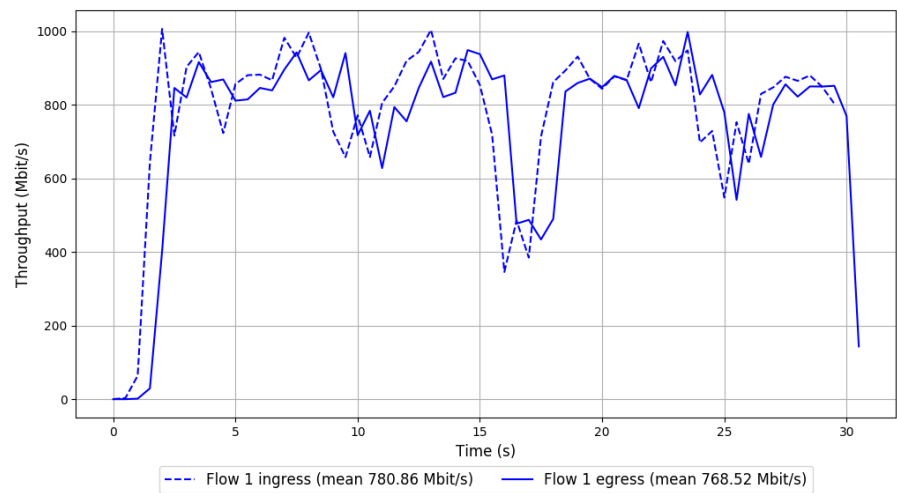
-- Flow 1:

Average throughput: 768.52 Mbit/s

95th percentile per-packet one-way delay: 296.370 ms

Loss rate: 1.59%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-18 11:02:23

End at: 2018-06-18 11:02:53

Local clock offset: 0.361 ms

Remote clock offset: 0.617 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 800.15 Mbit/s

95th percentile per-packet one-way delay: 209.884 ms

Loss rate: 4.17%

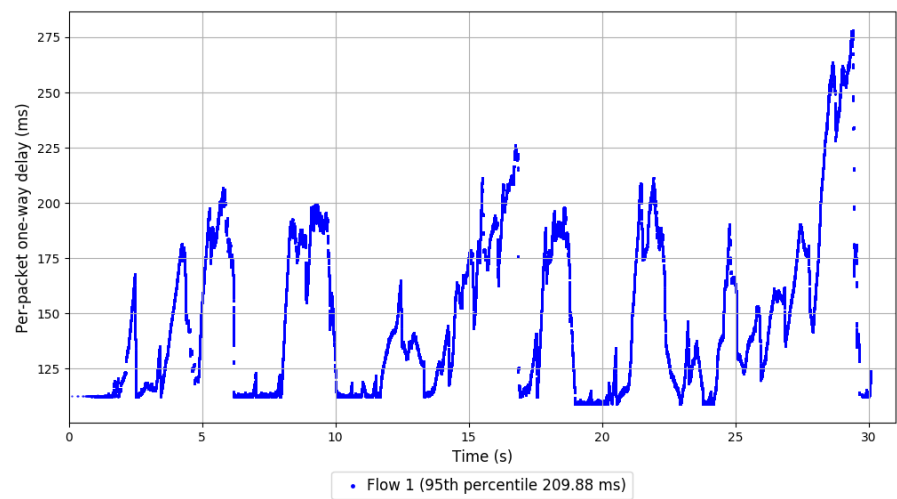
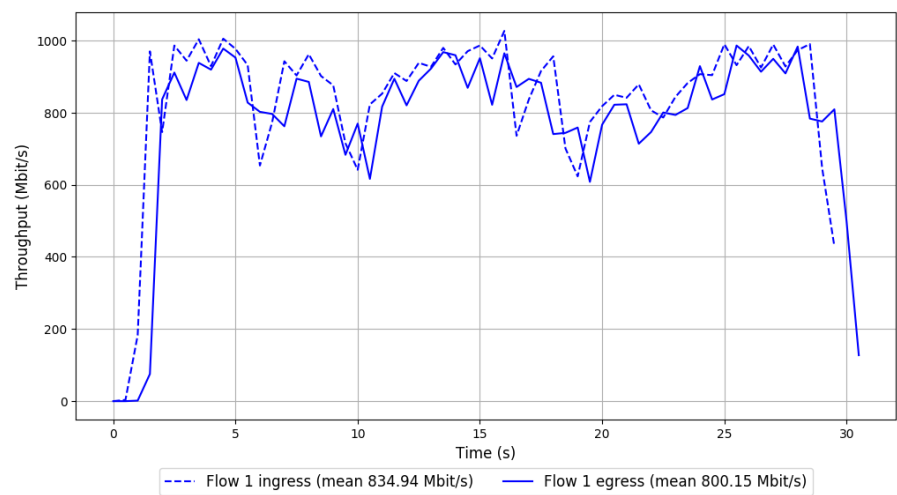
-- Flow 1:

Average throughput: 800.15 Mbit/s

95th percentile per-packet one-way delay: 209.884 ms

Loss rate: 4.17%

Run 10: Report of FillP — Data Link

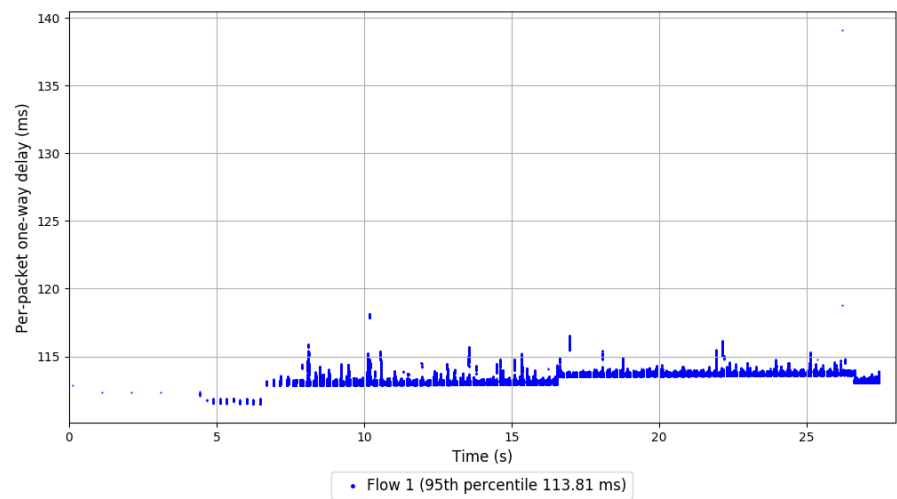
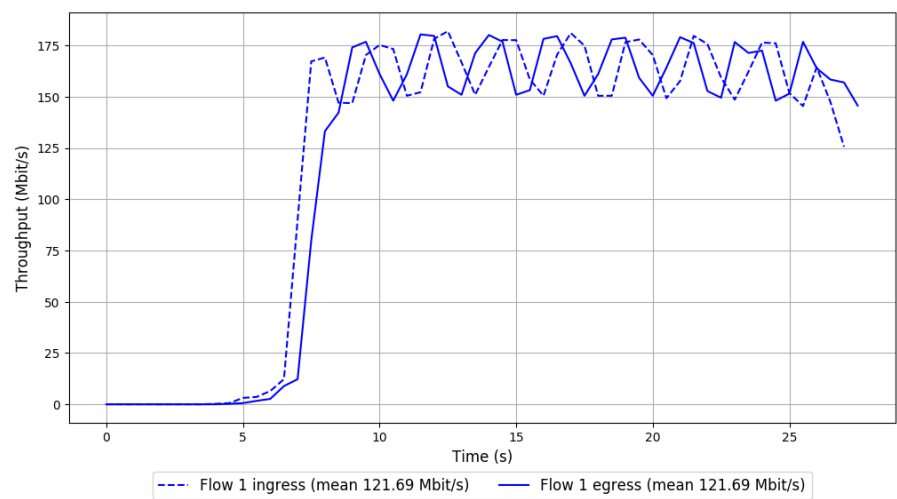


Run 1: Statistics of Indigo

Start at: 2018-06-18 07:43:02
End at: 2018-06-18 07:43:32
Local clock offset: 42.425 ms
Remote clock offset: 33.739 ms

Below is generated by plot.py at 2018-06-18 11:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.69 Mbit/s
95th percentile per-packet one-way delay: 113.805 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.69 Mbit/s
95th percentile per-packet one-way delay: 113.805 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

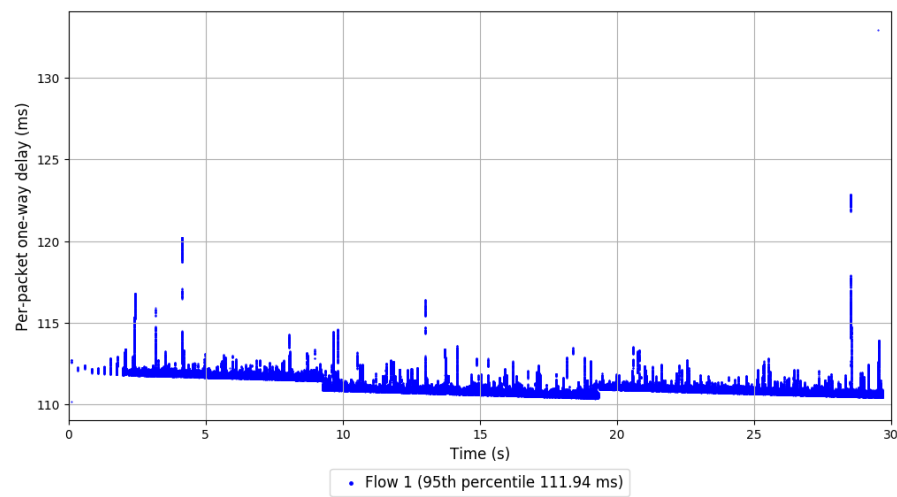
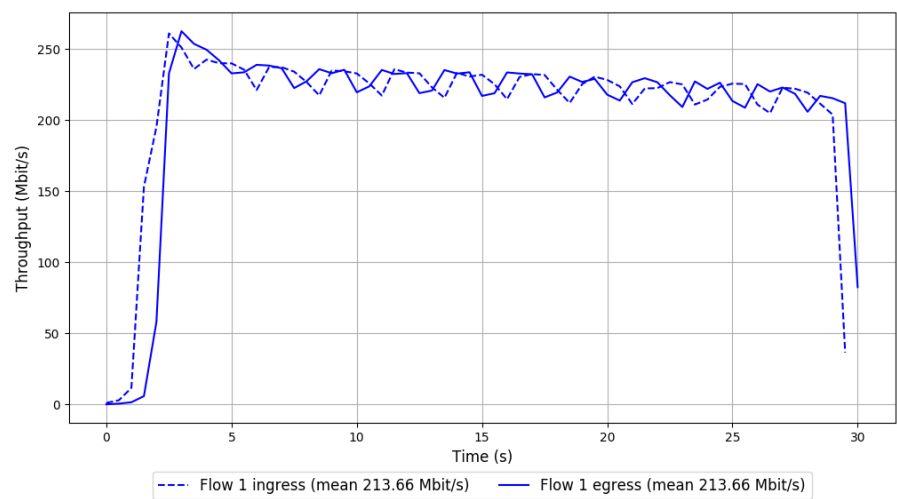


Run 2: Statistics of Indigo

Start at: 2018-06-18 08:03:31
End at: 2018-06-18 08:04:01
Local clock offset: 26.53 ms
Remote clock offset: 35.919 ms

Below is generated by plot.py at 2018-06-18 11:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.66 Mbit/s
95th percentile per-packet one-way delay: 111.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.66 Mbit/s
95th percentile per-packet one-way delay: 111.937 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

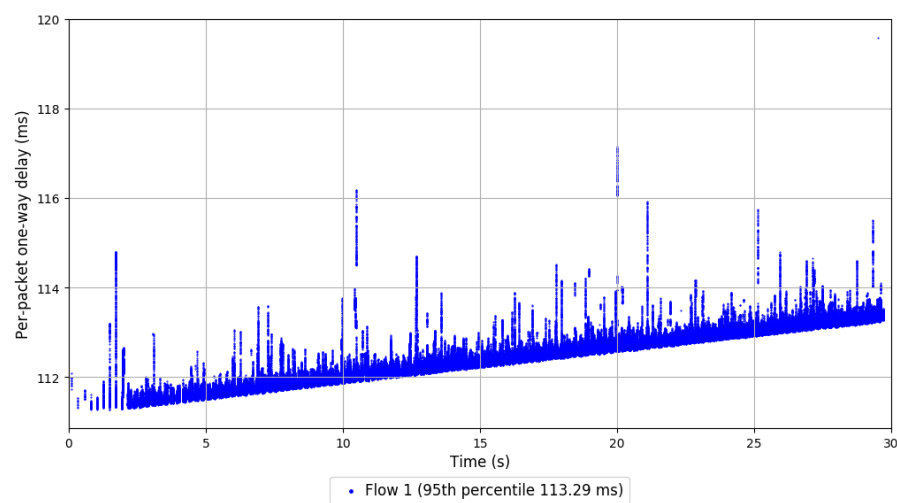
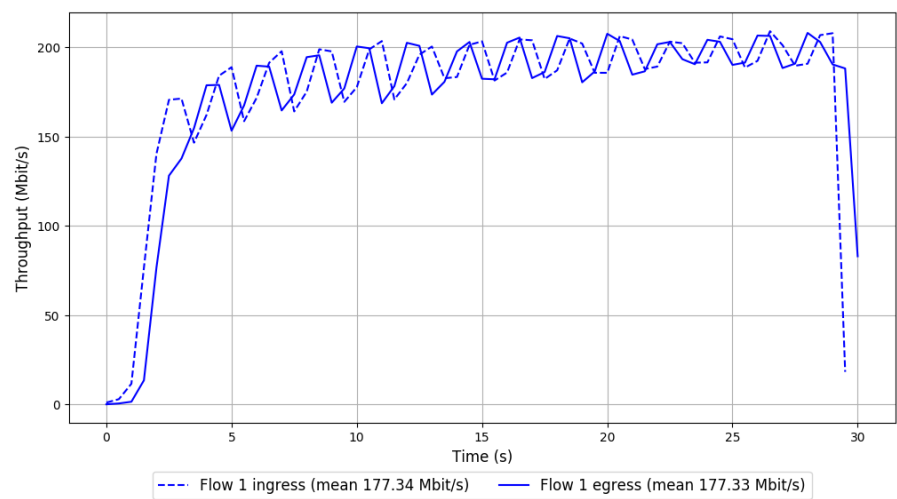


Run 3: Statistics of Indigo

Start at: 2018-06-18 08:24:33
End at: 2018-06-18 08:25:03
Local clock offset: 25.221 ms
Remote clock offset: 42.006 ms

Below is generated by plot.py at 2018-06-18 11:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.33 Mbit/s
95th percentile per-packet one-way delay: 113.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.33 Mbit/s
95th percentile per-packet one-way delay: 113.291 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

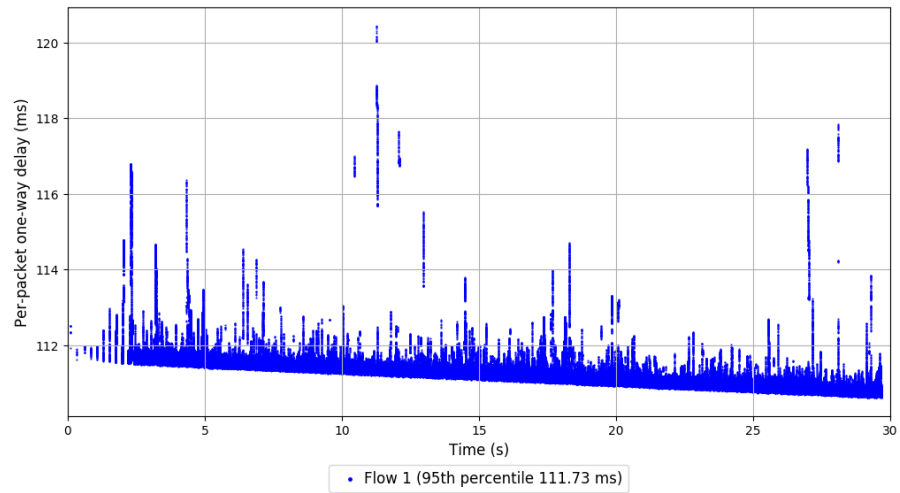
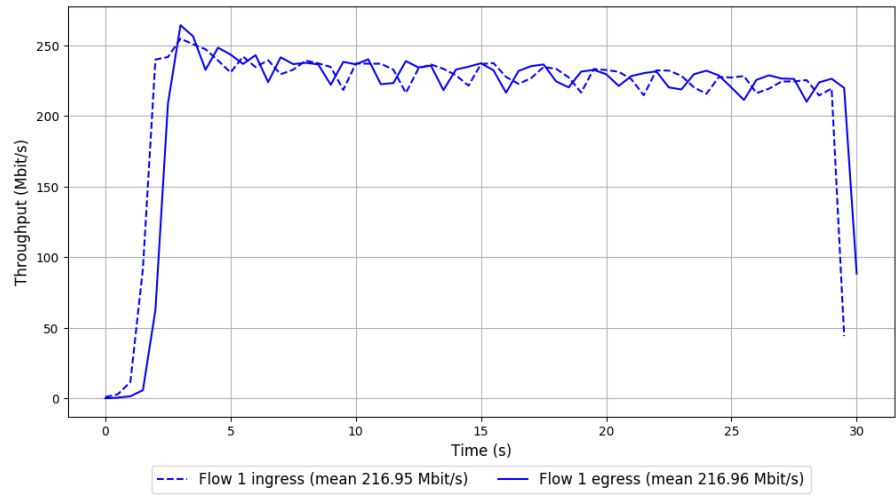


Run 4: Statistics of Indigo

Start at: 2018-06-18 08:45:23
End at: 2018-06-18 08:45:53
Local clock offset: 17.545 ms
Remote clock offset: 25.268 ms

Below is generated by plot.py at 2018-06-18 11:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.96 Mbit/s
95th percentile per-packet one-way delay: 111.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.96 Mbit/s
95th percentile per-packet one-way delay: 111.732 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

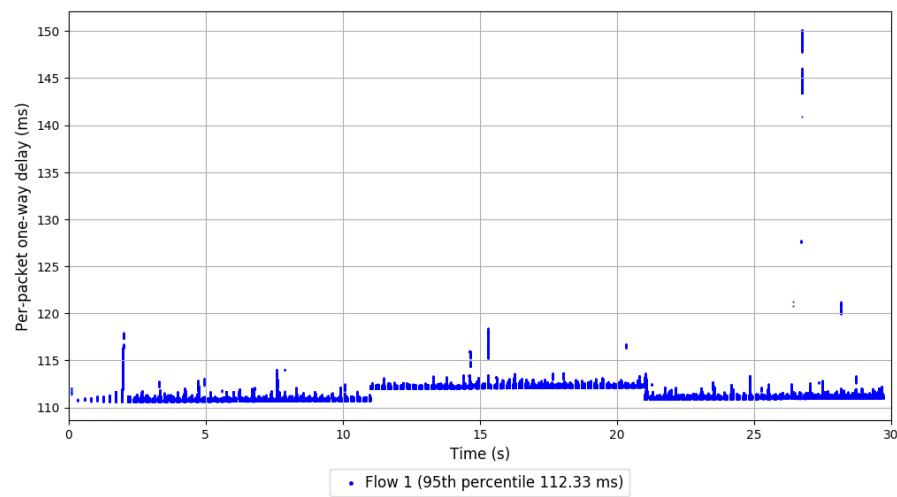
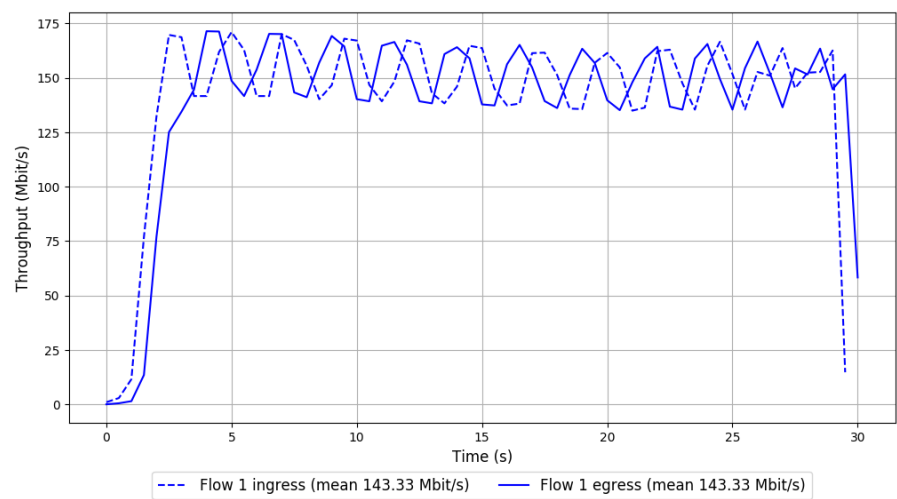


Run 5: Statistics of Indigo

Start at: 2018-06-18 09:06:19
End at: 2018-06-18 09:06:50
Local clock offset: 9.135 ms
Remote clock offset: 10.049 ms

Below is generated by plot.py at 2018-06-18 11:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.33 Mbit/s
95th percentile per-packet one-way delay: 112.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.33 Mbit/s
95th percentile per-packet one-way delay: 112.332 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-18 09:26:57

End at: 2018-06-18 09:27:27

Local clock offset: 3.815 ms

Remote clock offset: 6.889 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.22 Mbit/s

95th percentile per-packet one-way delay: 112.248 ms

Loss rate: 0.00%

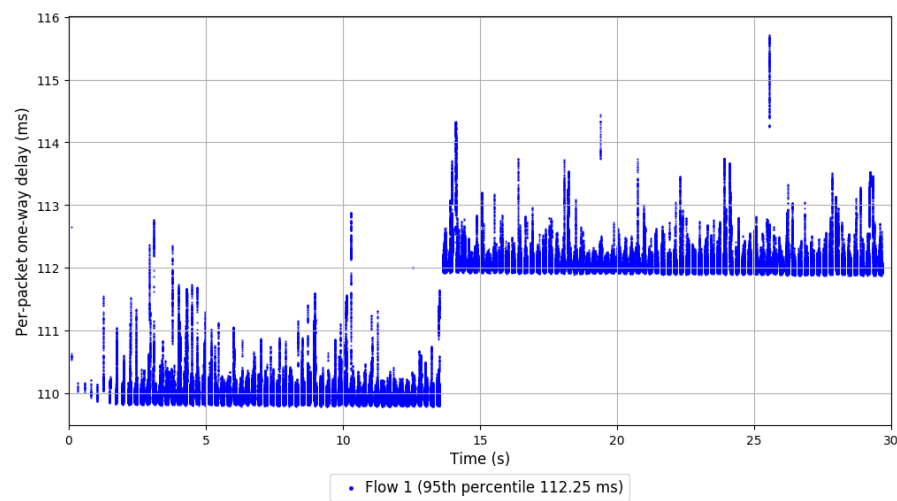
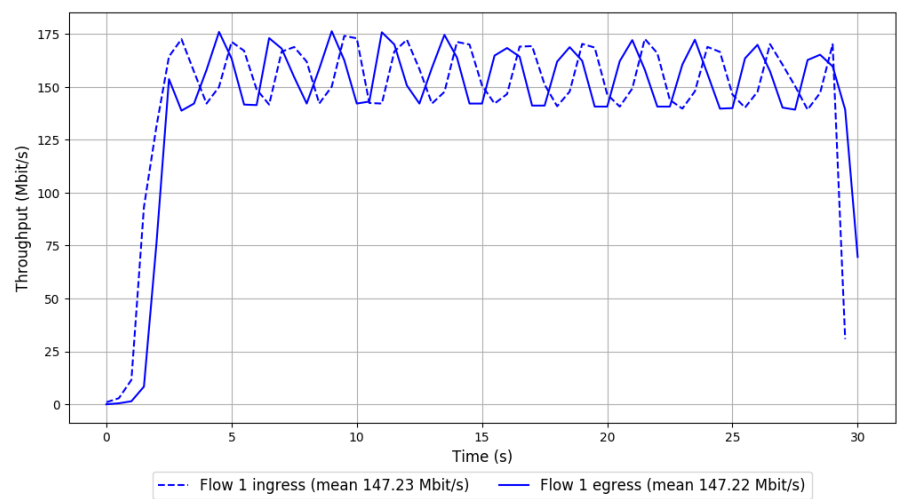
-- Flow 1:

Average throughput: 147.22 Mbit/s

95th percentile per-packet one-way delay: 112.248 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-18 09:47:57

End at: 2018-06-18 09:48:27

Local clock offset: 3.46 ms

Remote clock offset: 2.455 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.54 Mbit/s

95th percentile per-packet one-way delay: 111.709 ms

Loss rate: 0.00%

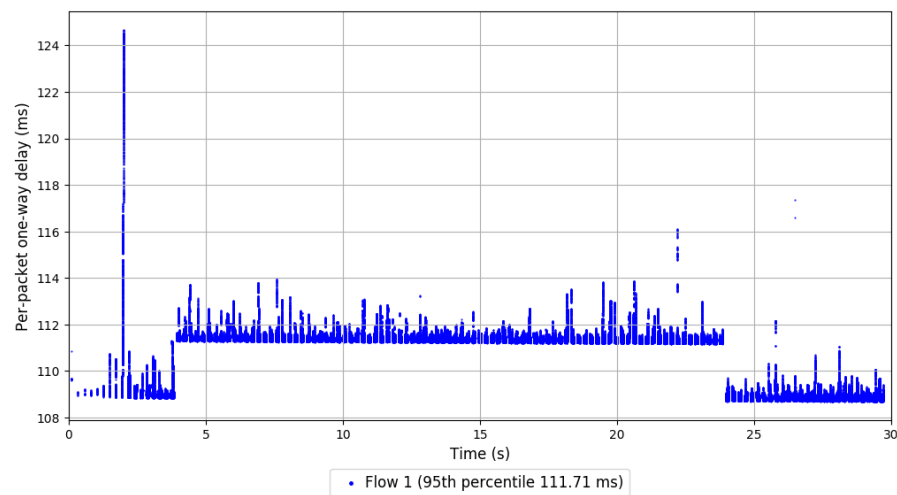
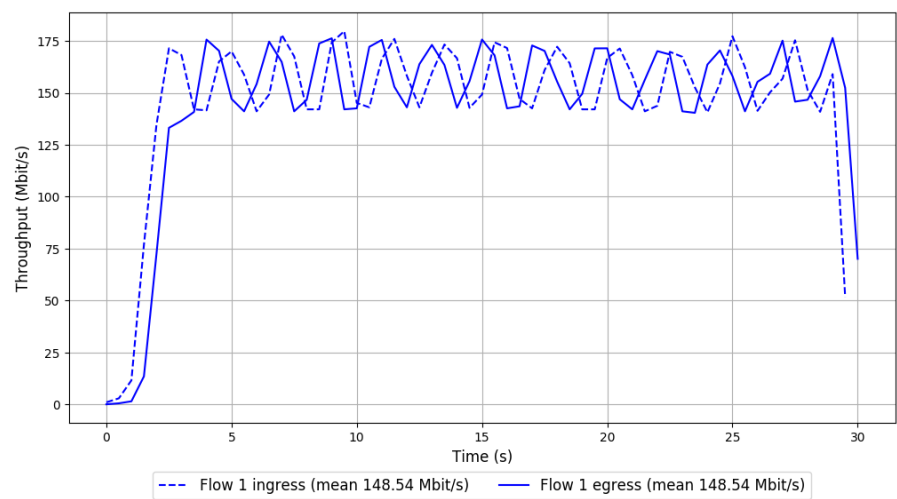
-- Flow 1:

Average throughput: 148.54 Mbit/s

95th percentile per-packet one-way delay: 111.709 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-18 10:08:18

End at: 2018-06-18 10:08:48

Local clock offset: 0.297 ms

Remote clock offset: 1.901 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.63 Mbit/s

95th percentile per-packet one-way delay: 113.990 ms

Loss rate: 0.00%

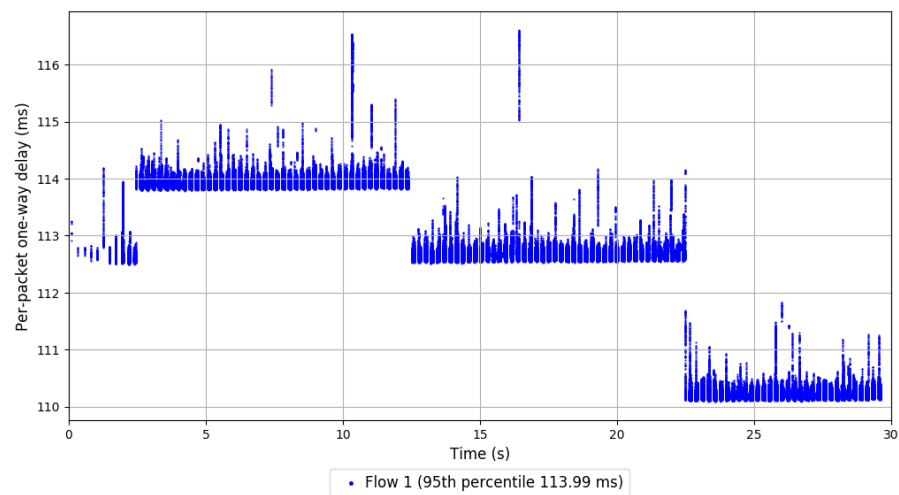
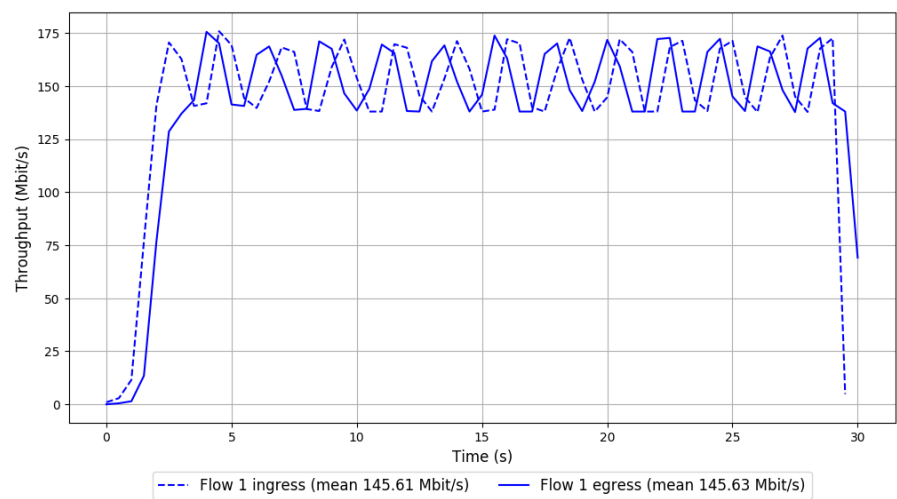
-- Flow 1:

Average throughput: 145.63 Mbit/s

95th percentile per-packet one-way delay: 113.990 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-18 10:29:21

End at: 2018-06-18 10:29:51

Local clock offset: 0.882 ms

Remote clock offset: 1.291 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.93 Mbit/s

95th percentile per-packet one-way delay: 112.855 ms

Loss rate: 0.00%

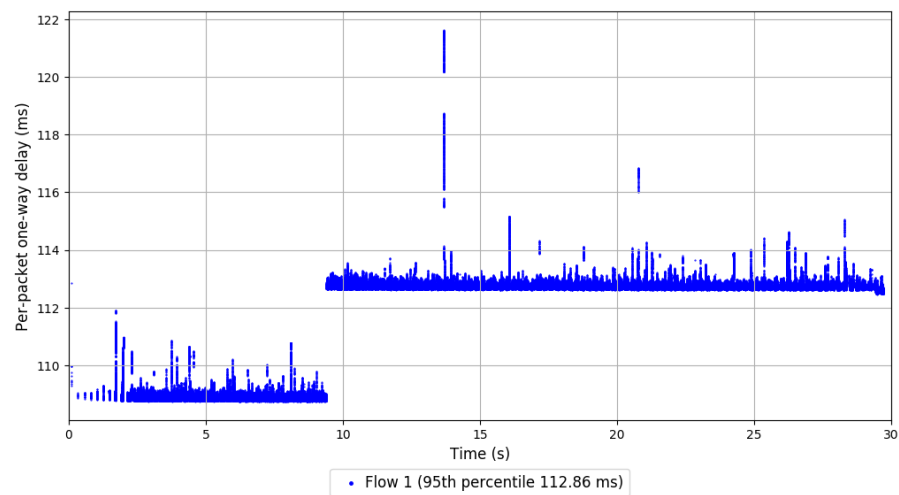
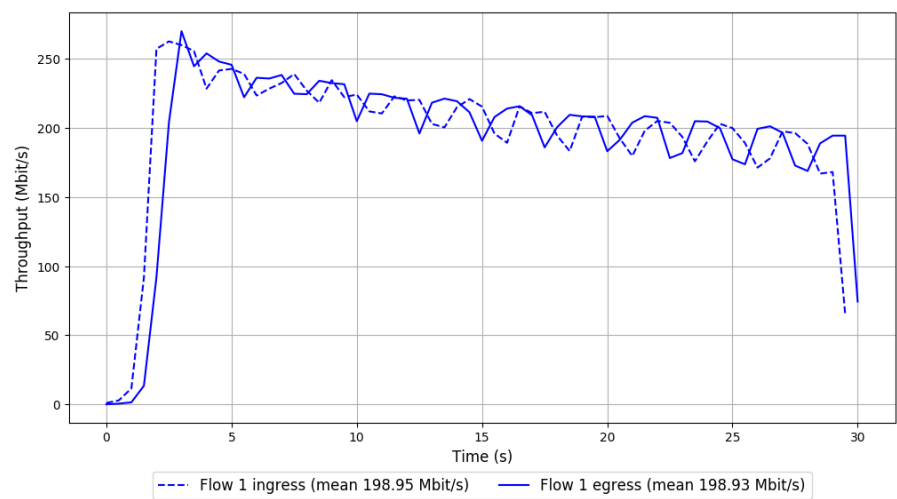
-- Flow 1:

Average throughput: 198.93 Mbit/s

95th percentile per-packet one-way delay: 112.855 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-18 10:50:10

End at: 2018-06-18 10:50:40

Local clock offset: 0.947 ms

Remote clock offset: 0.965 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.71 Mbit/s

95th percentile per-packet one-way delay: 112.642 ms

Loss rate: 0.00%

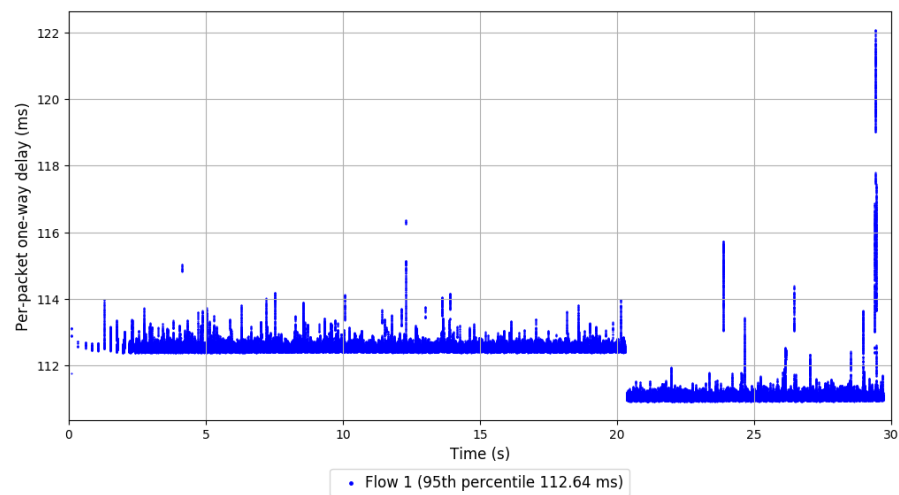
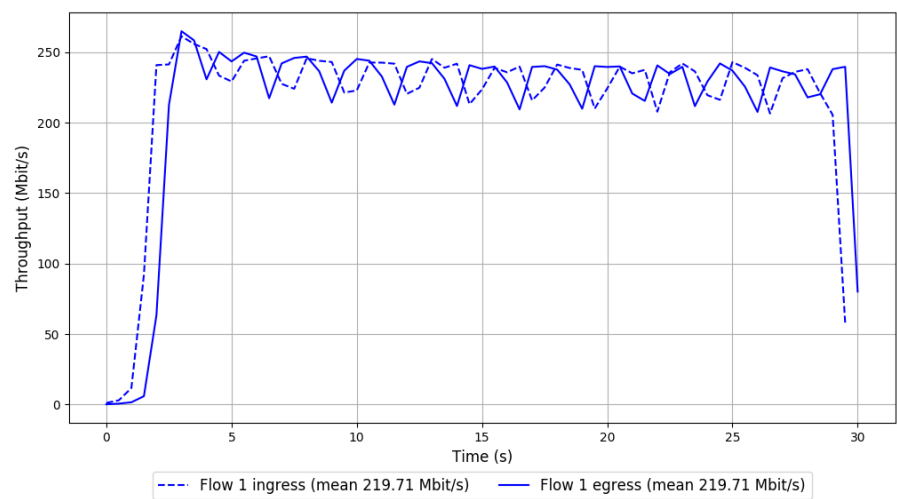
-- Flow 1:

Average throughput: 219.71 Mbit/s

95th percentile per-packet one-way delay: 112.642 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

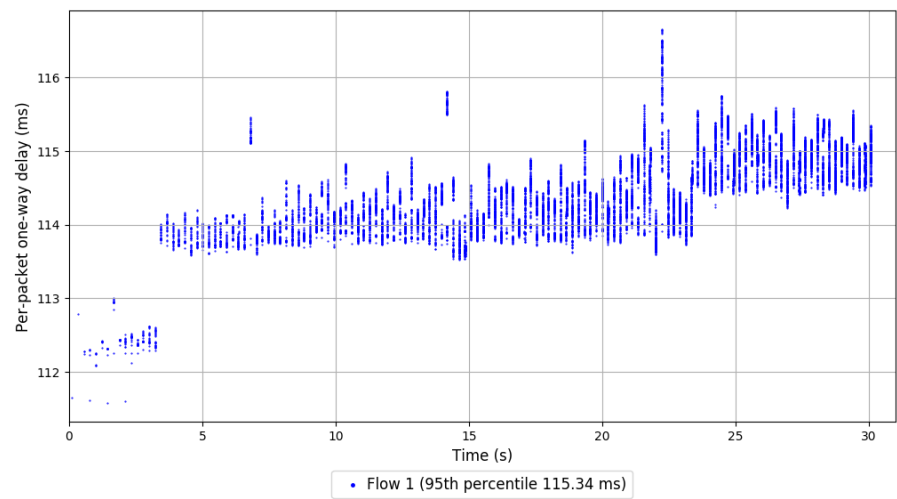
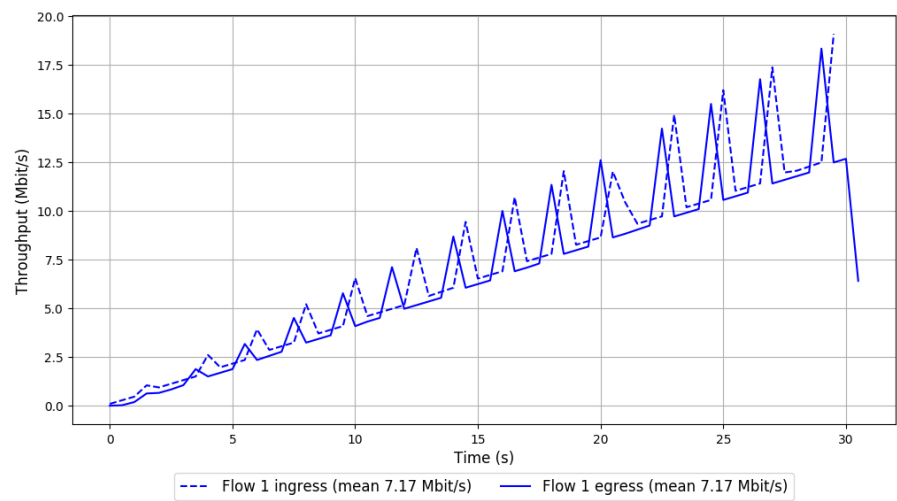


Run 1: Statistics of LEDBAT

Start at: 2018-06-18 07:44:17
End at: 2018-06-18 07:44:47
Local clock offset: 45.218 ms
Remote clock offset: 36.388 ms

Below is generated by plot.py at 2018-06-18 11:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 115.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 115.340 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

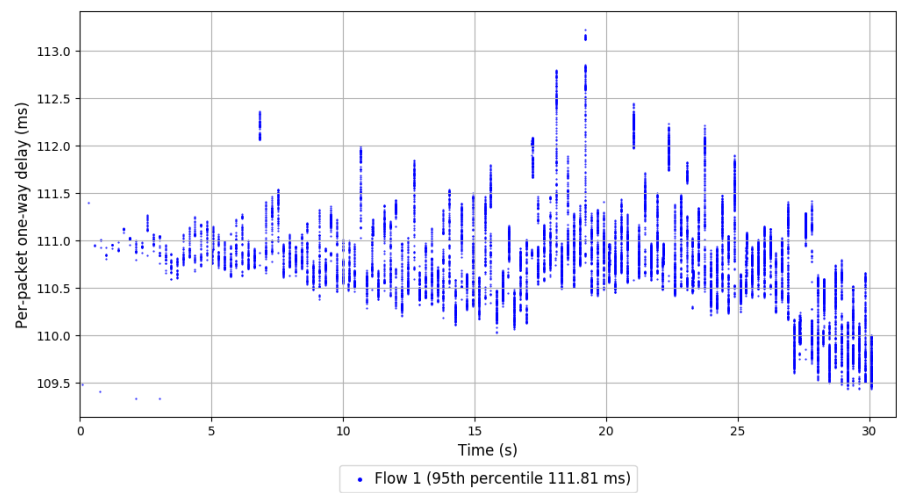
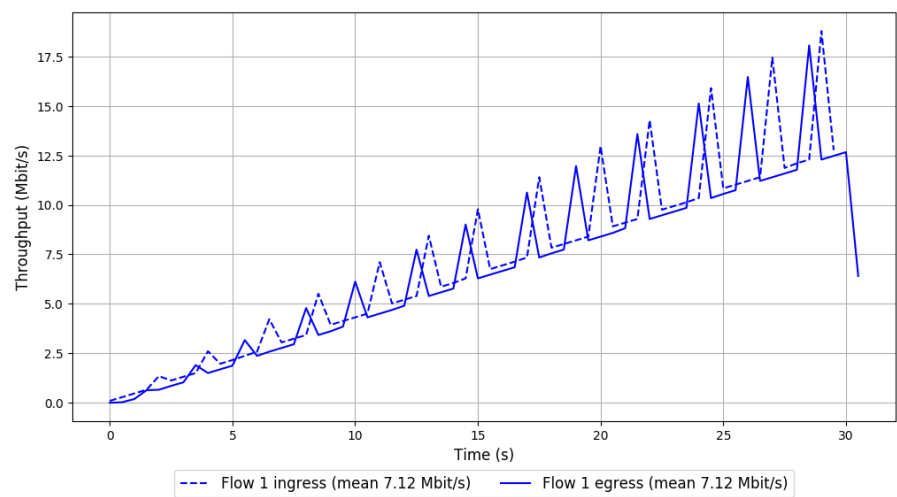


Run 2: Statistics of LEDBAT

Start at: 2018-06-18 08:04:54
End at: 2018-06-18 08:05:24
Local clock offset: 24.801 ms
Remote clock offset: 37.503 ms

Below is generated by plot.py at 2018-06-18 11:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 111.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 111.815 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-18 08:25:53

End at: 2018-06-18 08:26:23

Local clock offset: 26.578 ms

Remote clock offset: 37.72 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 115.838 ms

Loss rate: 0.01%

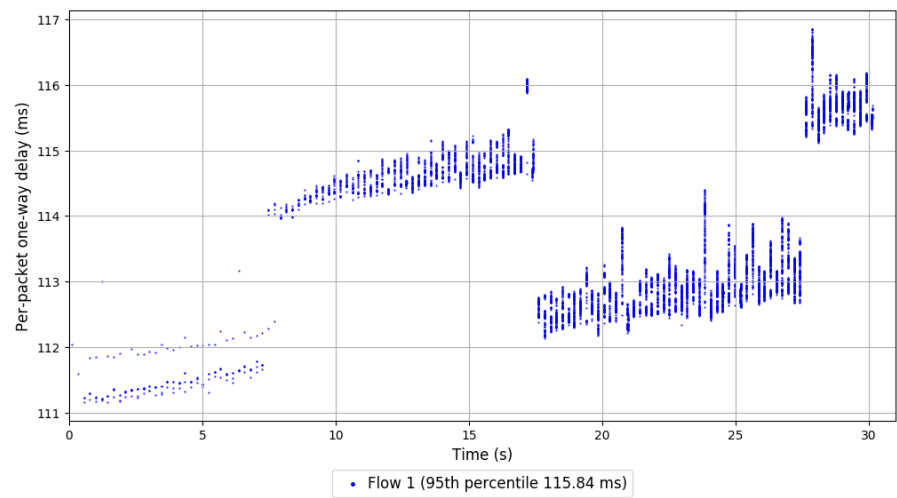
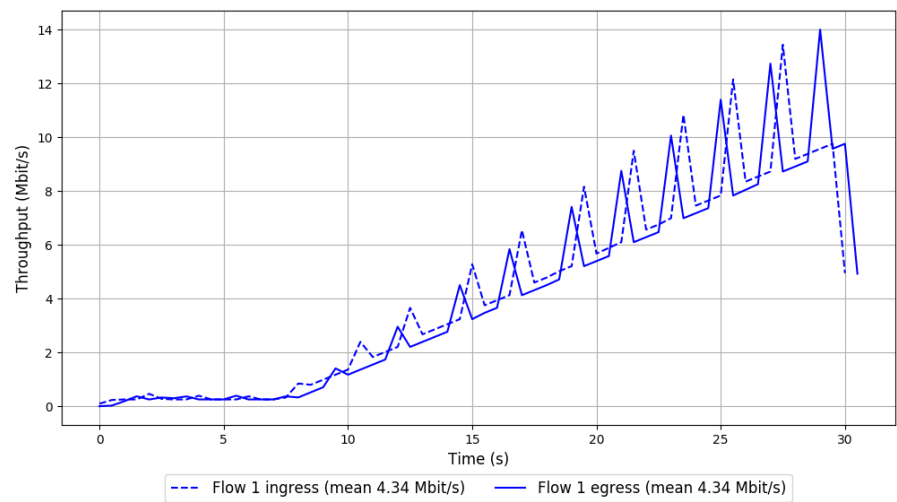
-- Flow 1:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 115.838 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

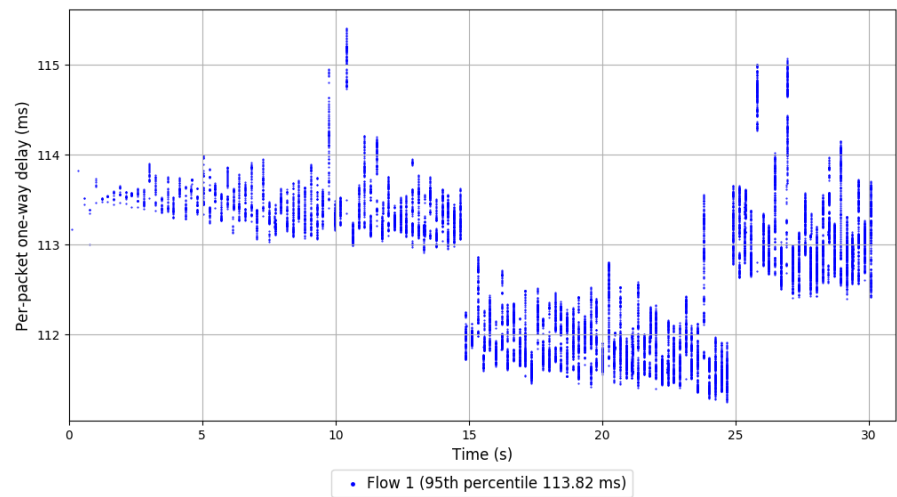
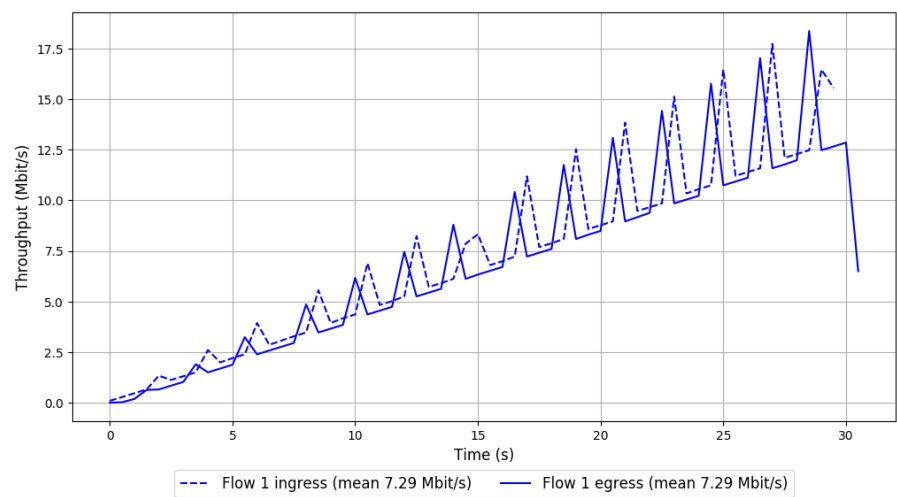


Run 4: Statistics of LEDBAT

Start at: 2018-06-18 08:46:46
End at: 2018-06-18 08:47:16
Local clock offset: 14.337 ms
Remote clock offset: 26.291 ms

Below is generated by plot.py at 2018-06-18 11:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 113.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 113.821 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-18 09:07:37

End at: 2018-06-18 09:08:07

Local clock offset: 8.859 ms

Remote clock offset: 9.249 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 112.883 ms

Loss rate: 0.00%

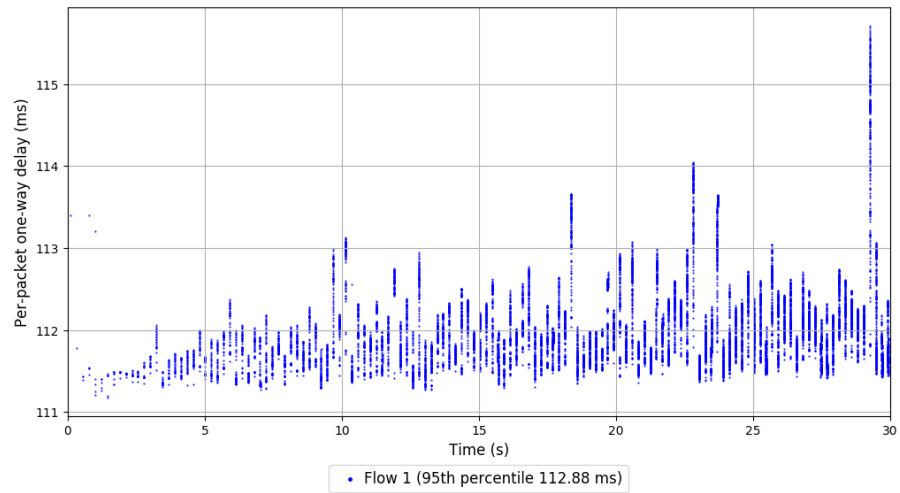
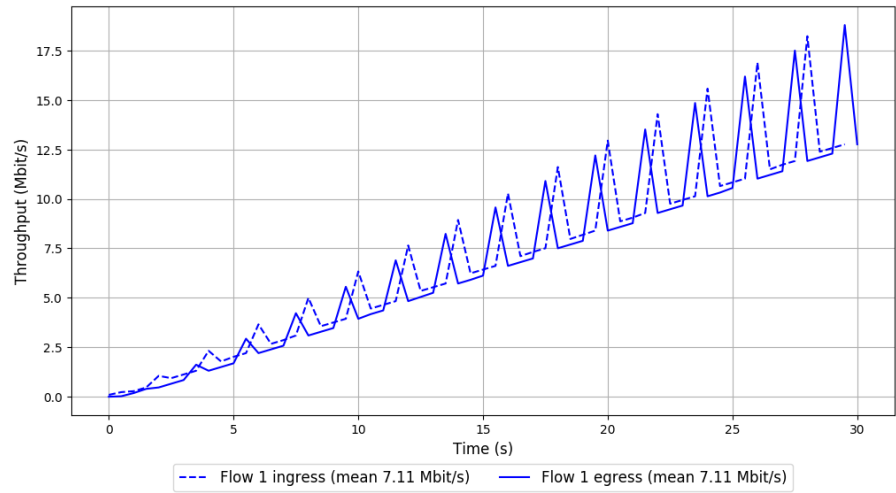
-- Flow 1:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 112.883 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-18 09:28:15

End at: 2018-06-18 09:28:45

Local clock offset: 3.351 ms

Remote clock offset: 7.052 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 113.917 ms

Loss rate: 0.00%

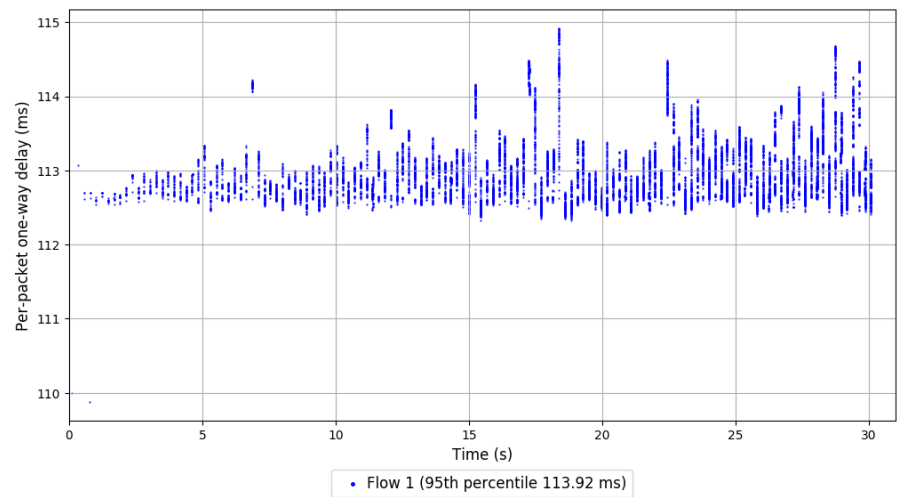
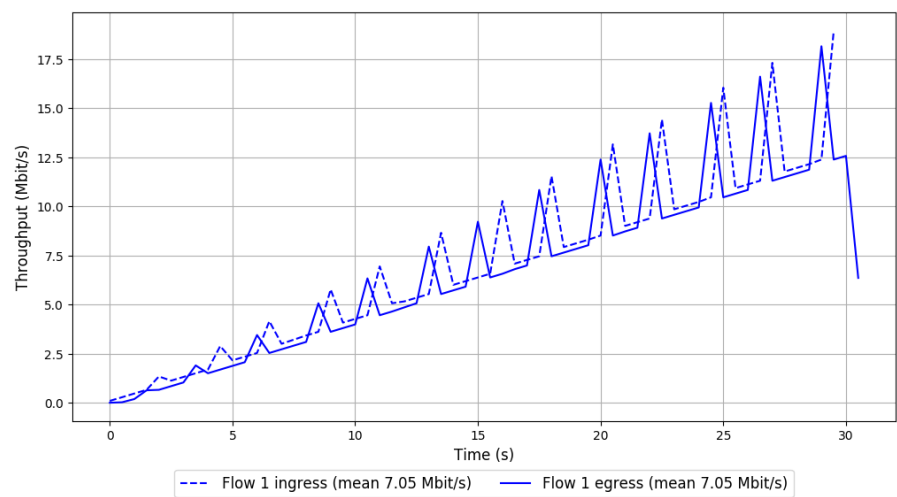
-- Flow 1:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 113.917 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-18 09:49:15

End at: 2018-06-18 09:49:45

Local clock offset: 3.123 ms

Remote clock offset: 2.463 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 112.145 ms

Loss rate: 0.00%

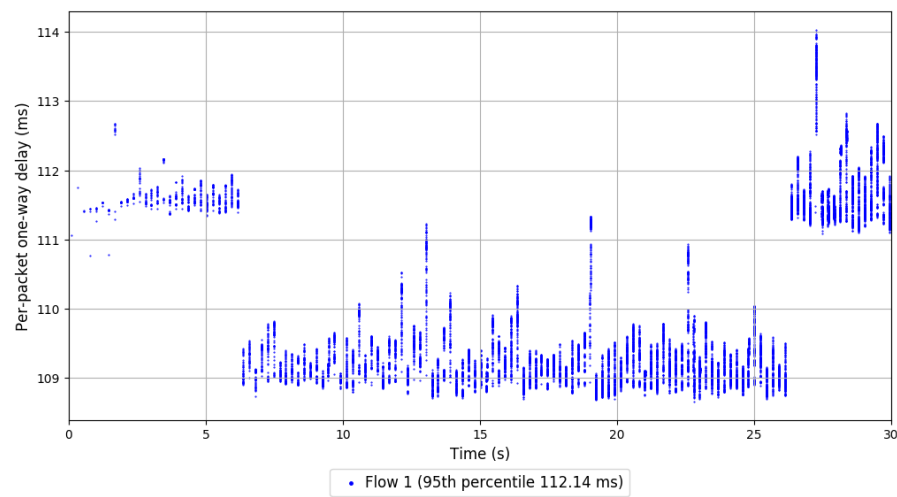
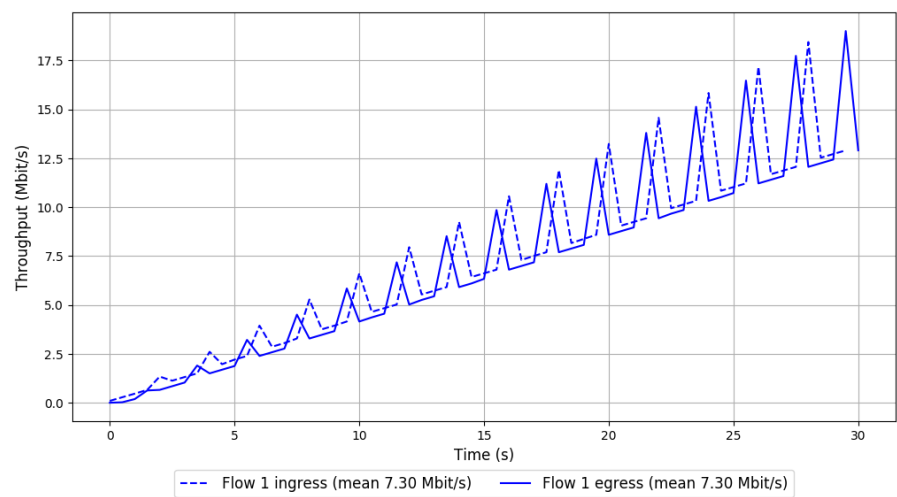
-- Flow 1:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 112.145 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-18 10:09:36

End at: 2018-06-18 10:10:06

Local clock offset: 1.626 ms

Remote clock offset: 1.746 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 112.286 ms

Loss rate: 0.00%

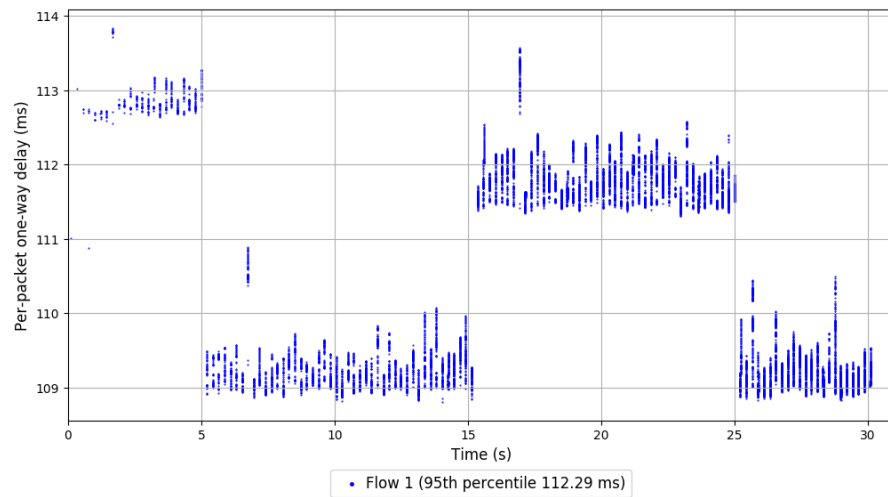
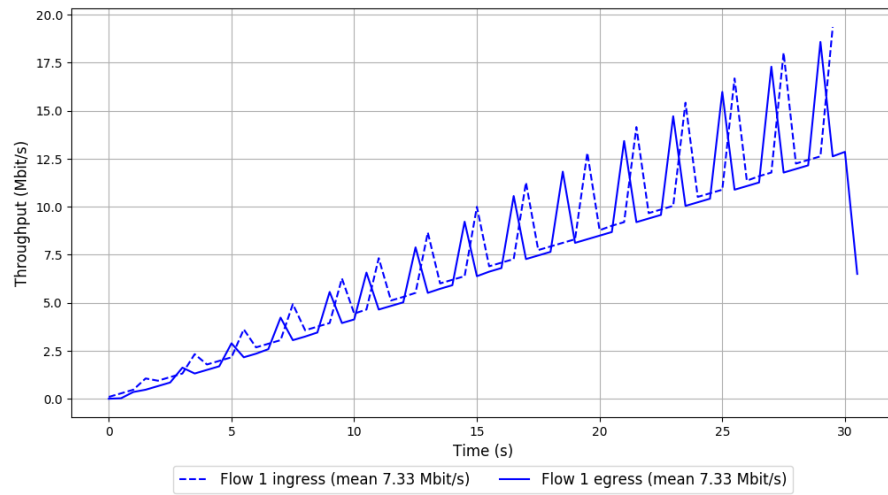
-- Flow 1:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 112.286 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-18 10:30:42

End at: 2018-06-18 10:31:12

Local clock offset: 1.076 ms

Remote clock offset: 1.313 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 112.692 ms

Loss rate: 0.00%

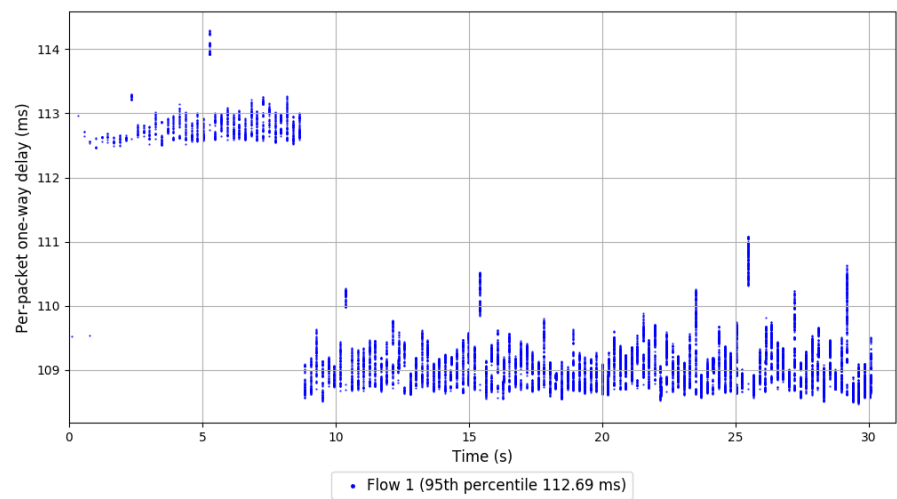
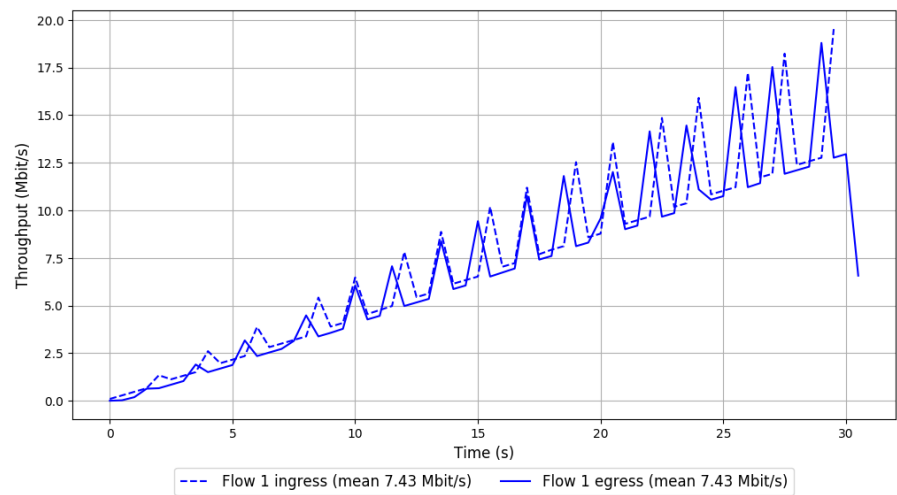
-- Flow 1:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 112.692 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-18 10:51:32

End at: 2018-06-18 10:52:02

Local clock offset: 0.819 ms

Remote clock offset: 0.528 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 113.382 ms

Loss rate: 0.00%

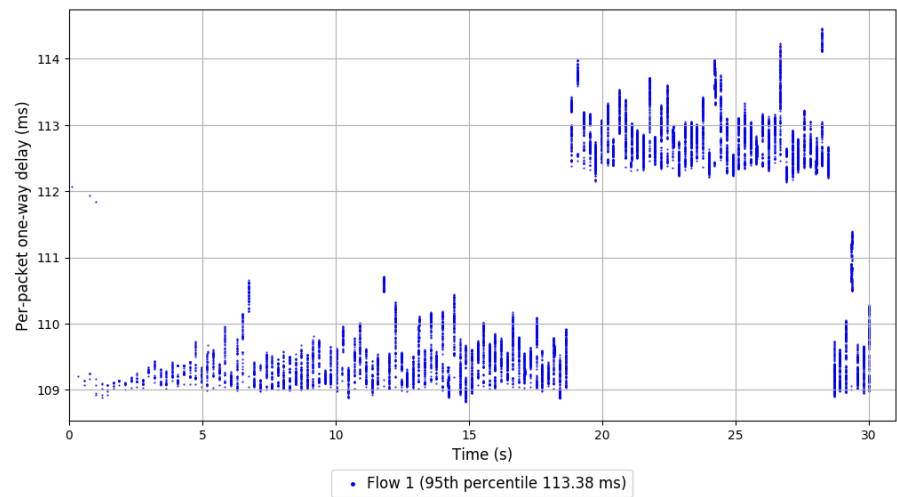
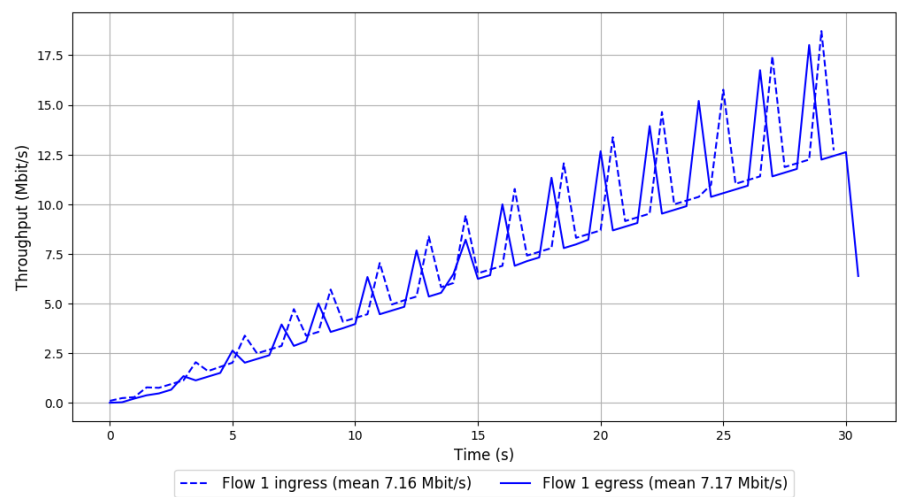
-- Flow 1:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 113.382 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

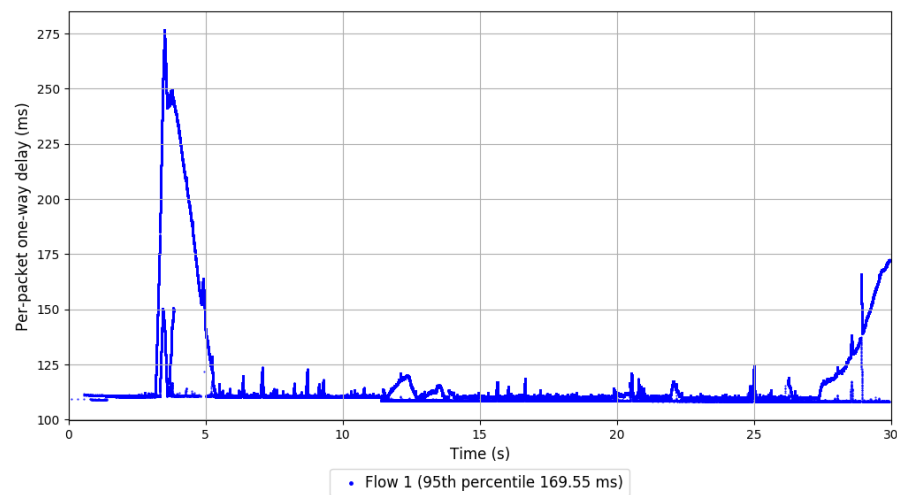
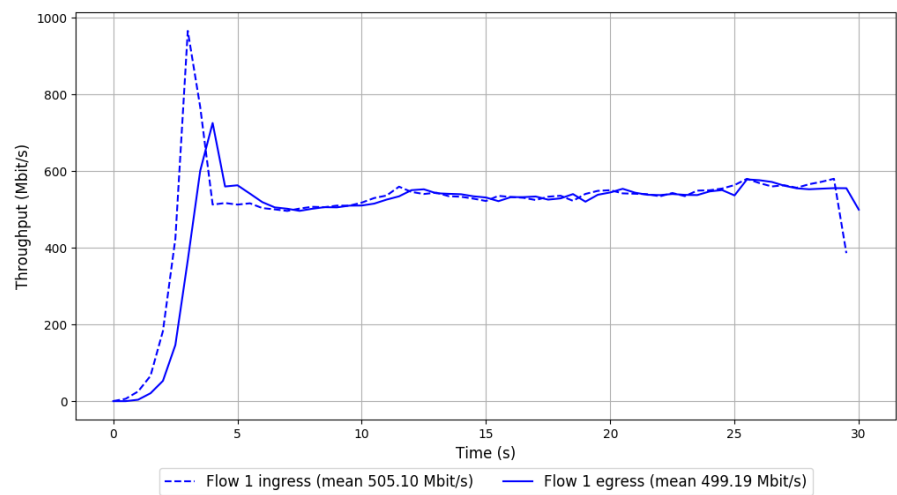


Run 1: Statistics of PCC-Allegro

Start at: 2018-06-18 07:50:09
End at: 2018-06-18 07:50:39
Local clock offset: 28.673 ms
Remote clock offset: 33.292 ms

Below is generated by plot.py at 2018-06-18 11:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 499.19 Mbit/s
95th percentile per-packet one-way delay: 169.547 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 499.19 Mbit/s
95th percentile per-packet one-way delay: 169.547 ms
Loss rate: 1.17%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-18 08:10:54

End at: 2018-06-18 08:11:24

Local clock offset: 19.242 ms

Remote clock offset: 45.776 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 512.63 Mbit/s

95th percentile per-packet one-way delay: 180.276 ms

Loss rate: 1.17%

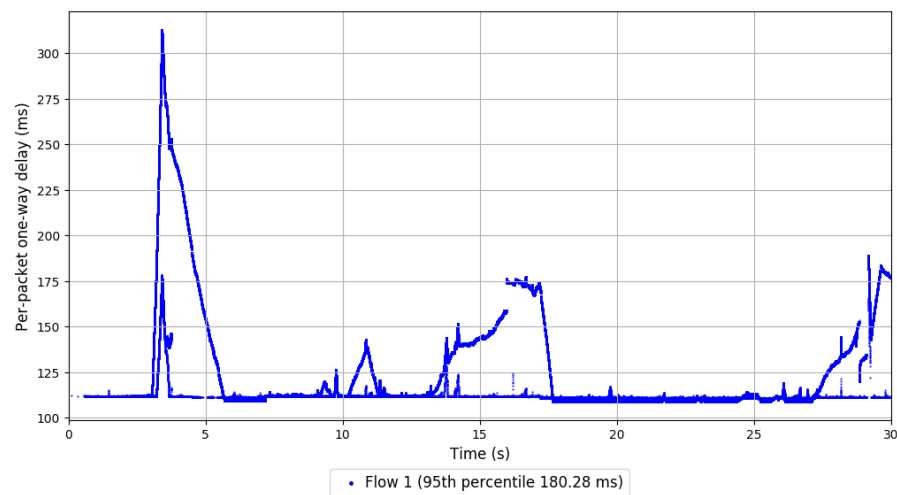
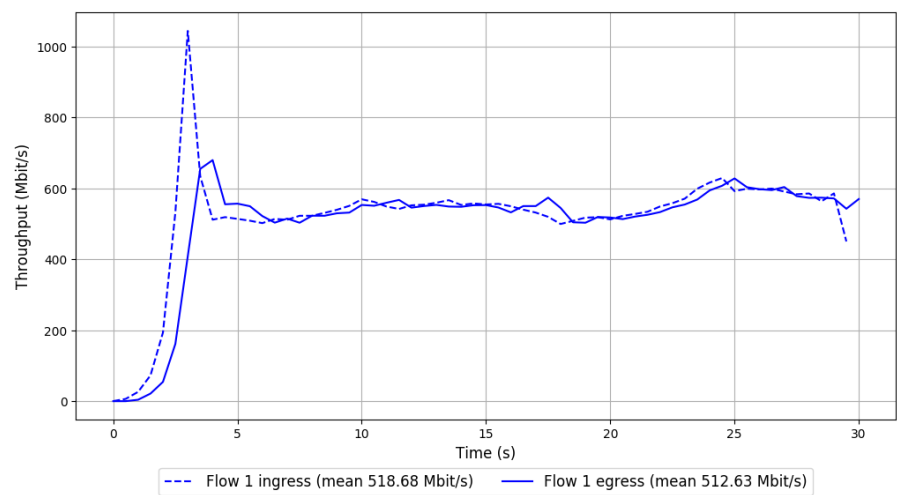
-- Flow 1:

Average throughput: 512.63 Mbit/s

95th percentile per-packet one-way delay: 180.276 ms

Loss rate: 1.17%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-18 08:31:44

End at: 2018-06-18 08:32:14

Local clock offset: 32.256 ms

Remote clock offset: 26.457 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.05 Mbit/s

95th percentile per-packet one-way delay: 156.260 ms

Loss rate: 0.77%

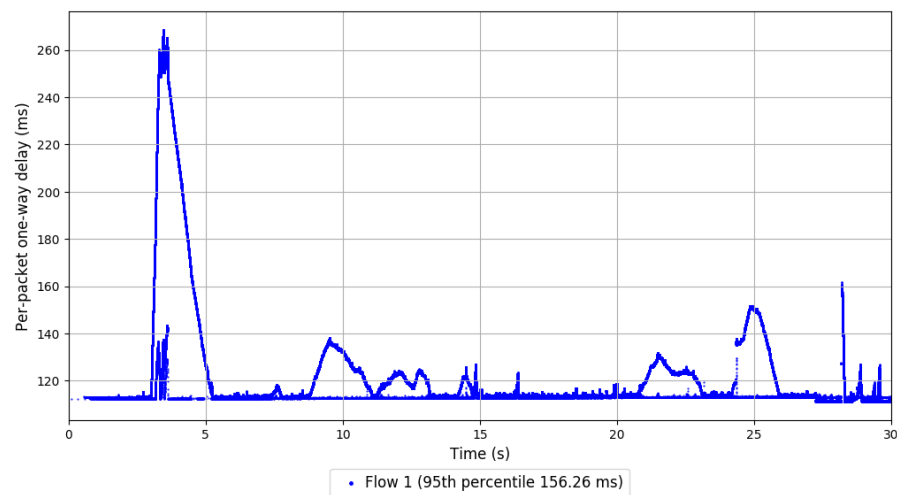
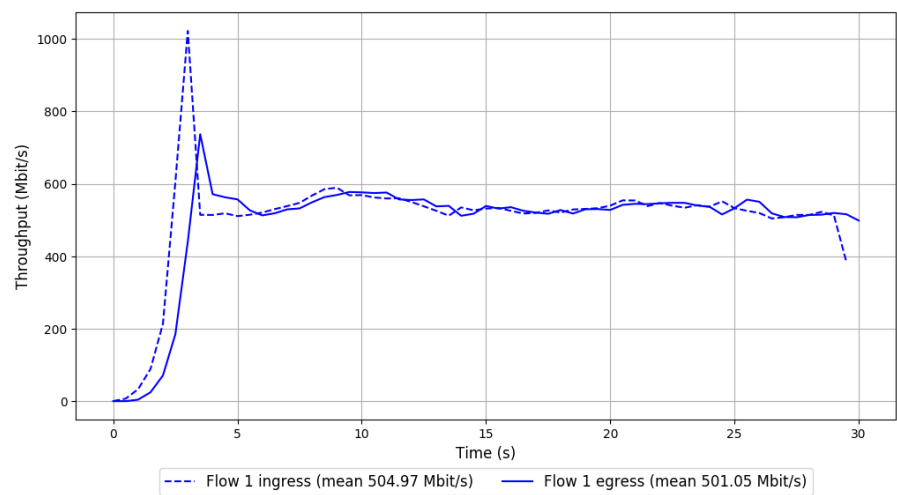
-- Flow 1:

Average throughput: 501.05 Mbit/s

95th percentile per-packet one-way delay: 156.260 ms

Loss rate: 0.77%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-18 08:52:43

End at: 2018-06-18 08:53:13

Local clock offset: 10.612 ms

Remote clock offset: 29.731 ms

Below is generated by plot.py at 2018-06-18 11:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 522.85 Mbit/s

95th percentile per-packet one-way delay: 240.995 ms

Loss rate: 1.72%

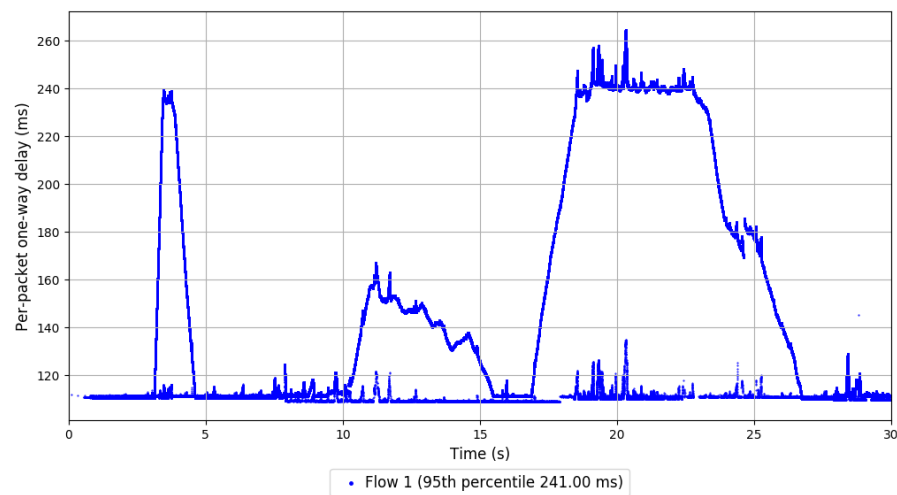
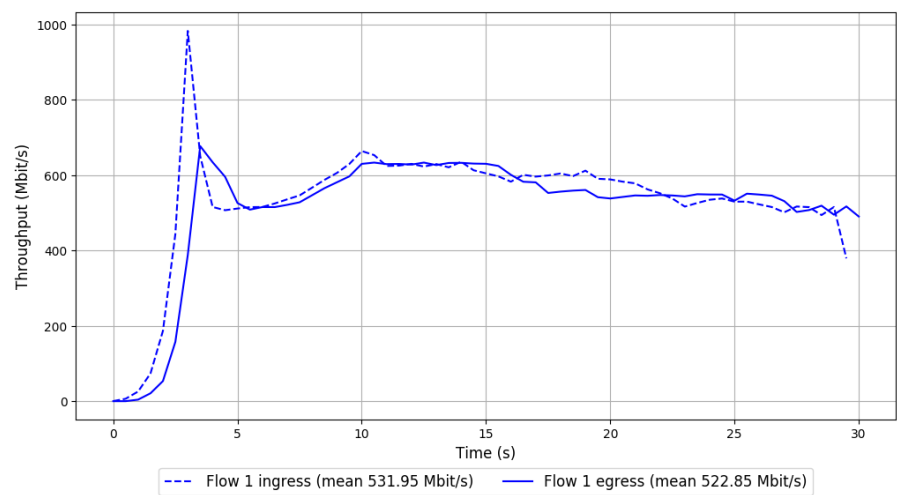
-- Flow 1:

Average throughput: 522.85 Mbit/s

95th percentile per-packet one-way delay: 240.995 ms

Loss rate: 1.72%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-18 09:13:38

End at: 2018-06-18 09:14:08

Local clock offset: 8.046 ms

Remote clock offset: 7.003 ms

Below is generated by plot.py at 2018-06-18 11:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 500.06 Mbit/s

95th percentile per-packet one-way delay: 243.824 ms

Loss rate: 3.71%

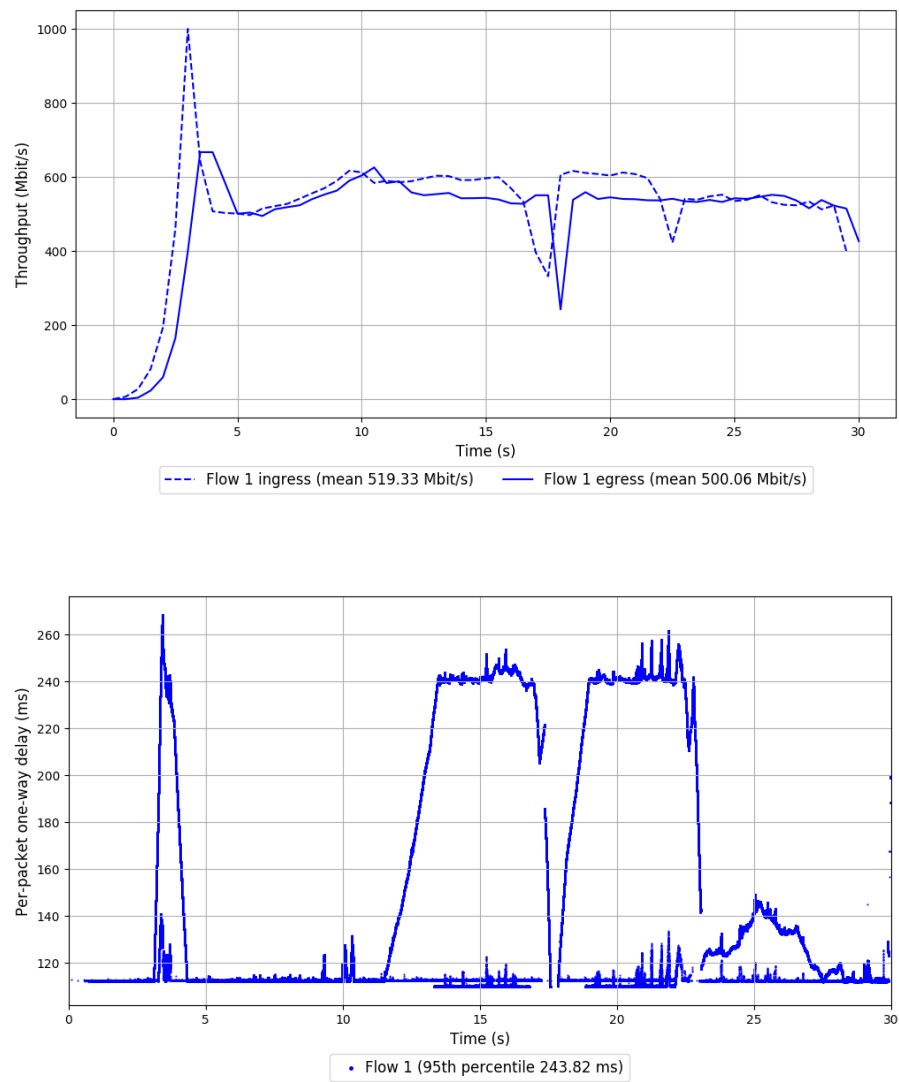
-- Flow 1:

Average throughput: 500.06 Mbit/s

95th percentile per-packet one-way delay: 243.824 ms

Loss rate: 3.71%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-18 09:34:08

End at: 2018-06-18 09:34:39

Local clock offset: 3.705 ms

Remote clock offset: 4.285 ms

Below is generated by plot.py at 2018-06-18 11:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.75 Mbit/s

95th percentile per-packet one-way delay: 240.312 ms

Loss rate: 2.68%

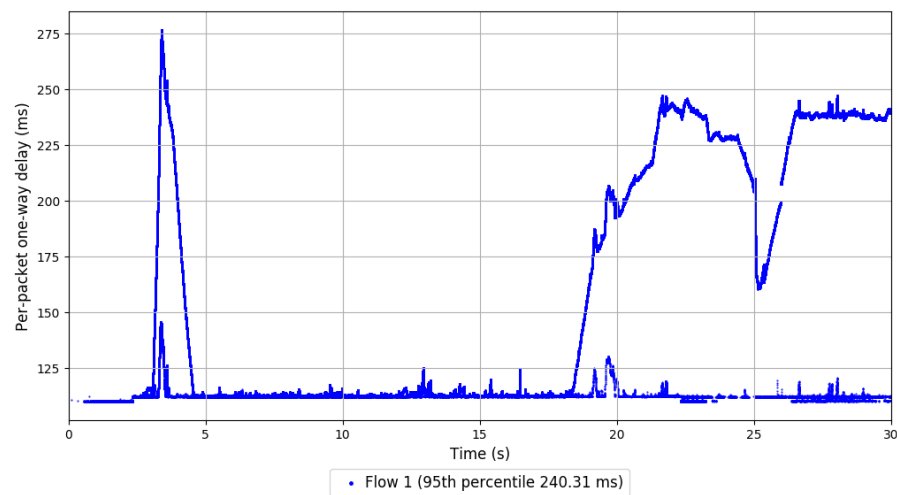
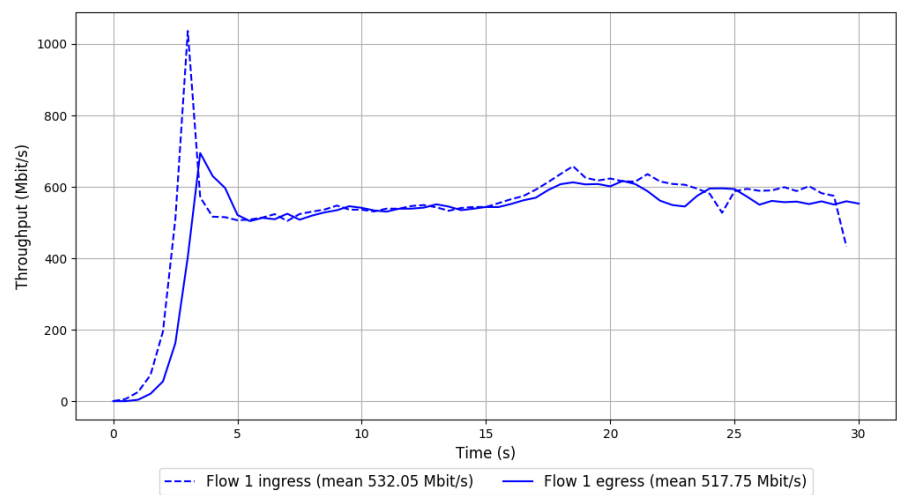
-- Flow 1:

Average throughput: 517.75 Mbit/s

95th percentile per-packet one-way delay: 240.312 ms

Loss rate: 2.68%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-18 09:55:11

End at: 2018-06-18 09:55:41

Local clock offset: 1.893 ms

Remote clock offset: 2.68 ms

Below is generated by plot.py at 2018-06-18 12:00:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.45 Mbit/s

95th percentile per-packet one-way delay: 239.239 ms

Loss rate: 1.35%

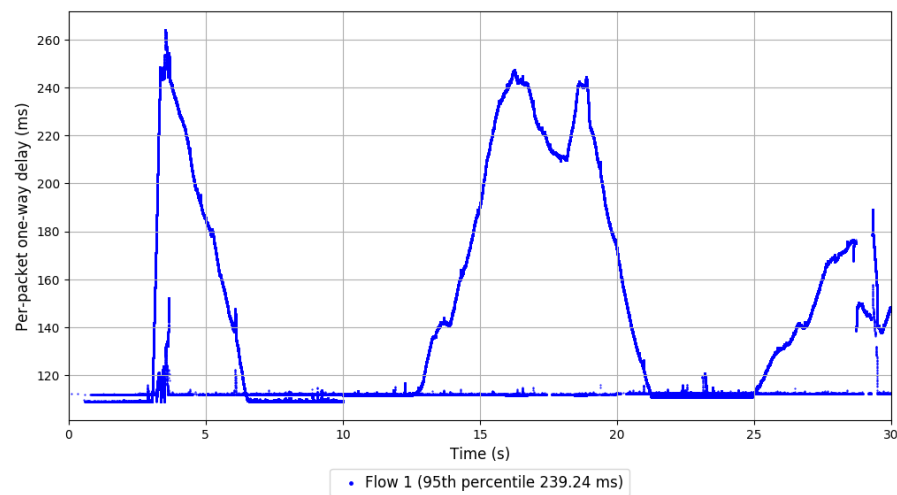
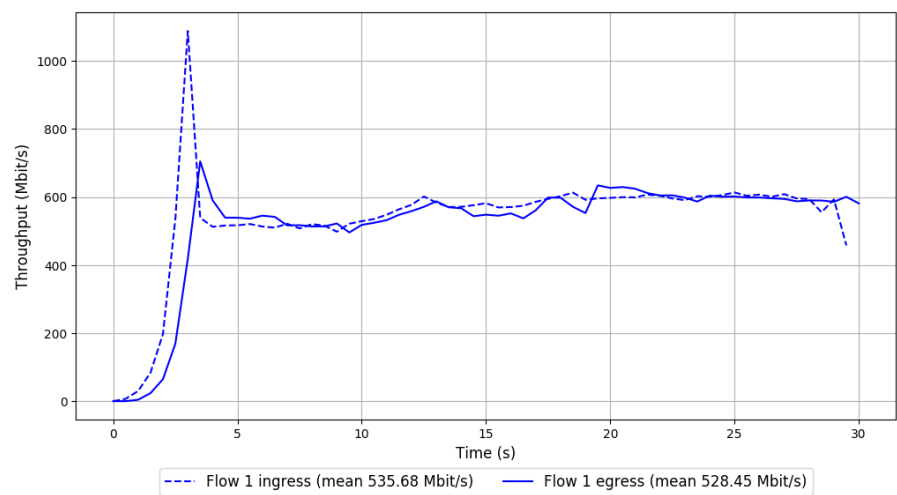
-- Flow 1:

Average throughput: 528.45 Mbit/s

95th percentile per-packet one-way delay: 239.239 ms

Loss rate: 1.35%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-18 10:15:40

End at: 2018-06-18 10:16:10

Local clock offset: 1.718 ms

Remote clock offset: 1.268 ms

Below is generated by plot.py at 2018-06-18 12:00:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.36 Mbit/s

95th percentile per-packet one-way delay: 217.986 ms

Loss rate: 0.92%

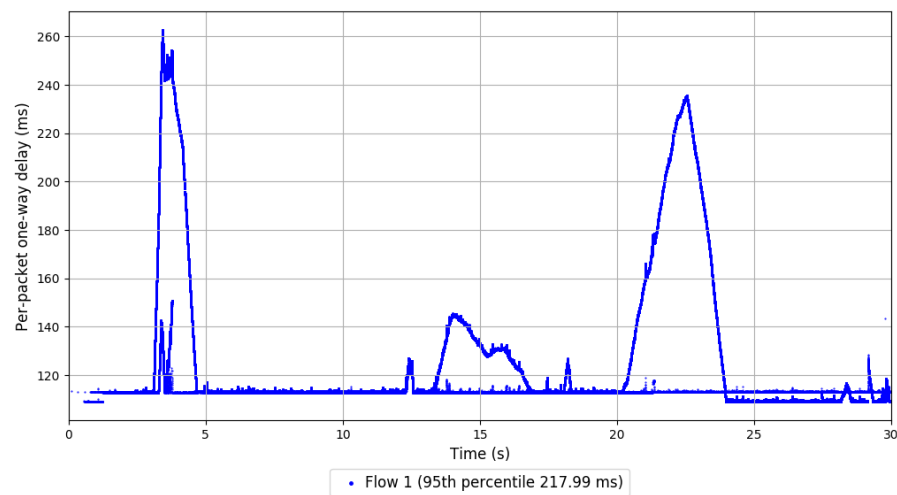
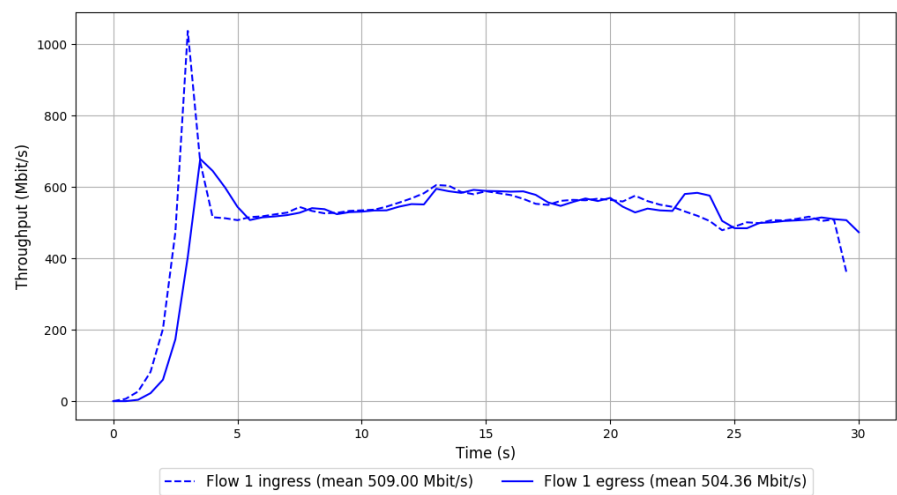
-- Flow 1:

Average throughput: 504.36 Mbit/s

95th percentile per-packet one-way delay: 217.986 ms

Loss rate: 0.92%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-18 10:36:36

End at: 2018-06-18 10:37:06

Local clock offset: -0.545 ms

Remote clock offset: 1.824 ms

Below is generated by plot.py at 2018-06-18 12:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.17 Mbit/s

95th percentile per-packet one-way delay: 234.032 ms

Loss rate: 2.14%

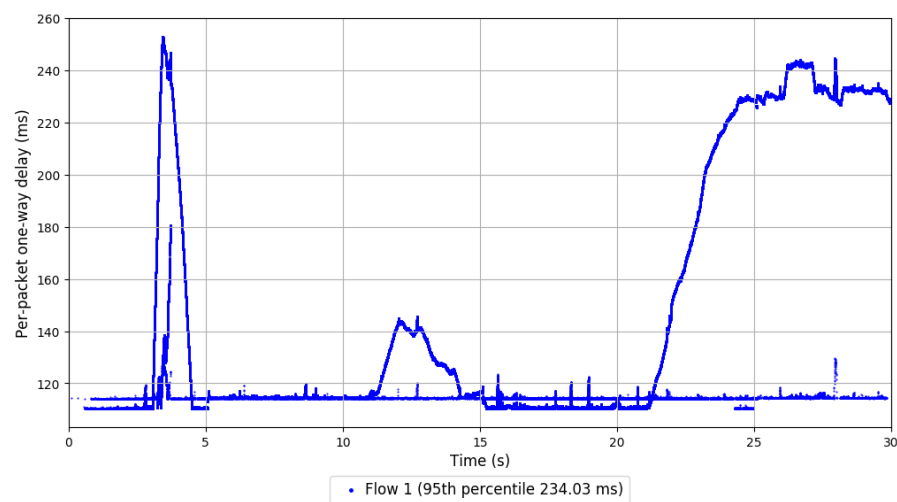
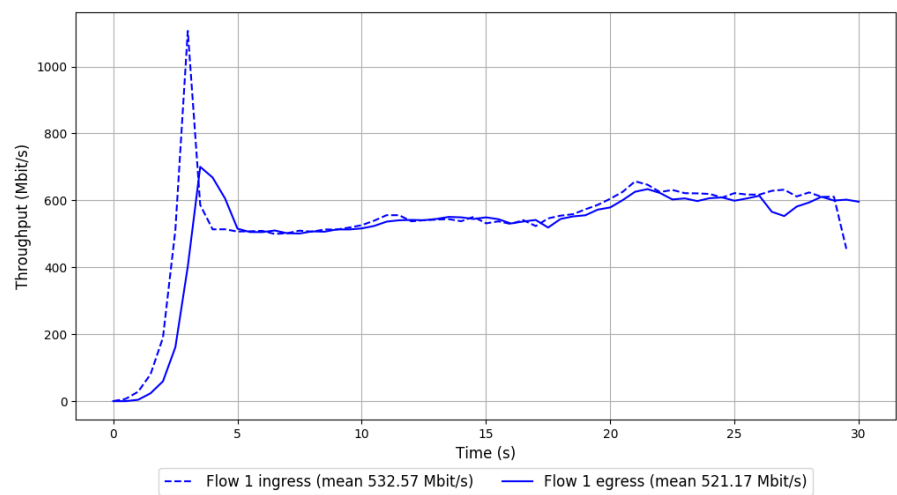
-- Flow 1:

Average throughput: 521.17 Mbit/s

95th percentile per-packet one-way delay: 234.032 ms

Loss rate: 2.14%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-18 10:57:27

End at: 2018-06-18 10:57:57

Local clock offset: 0.75 ms

Remote clock offset: 0.883 ms

Below is generated by plot.py at 2018-06-18 12:00:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 522.20 Mbit/s

95th percentile per-packet one-way delay: 237.696 ms

Loss rate: 2.04%

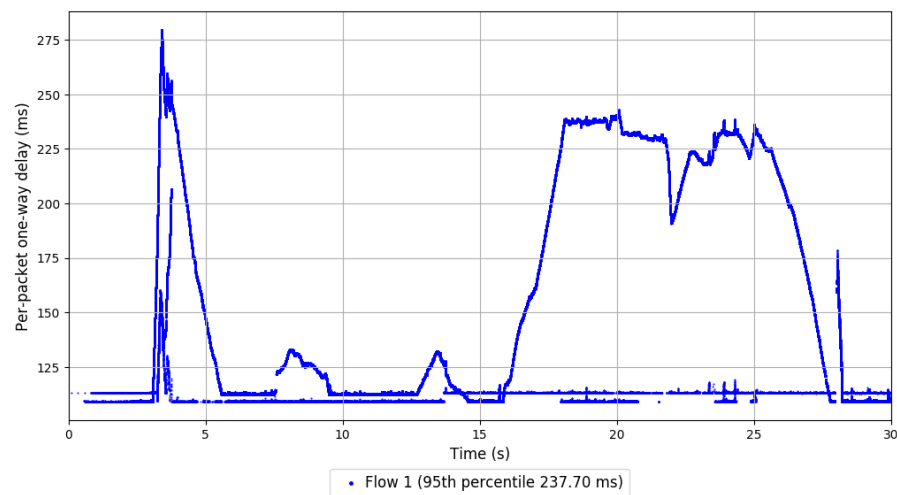
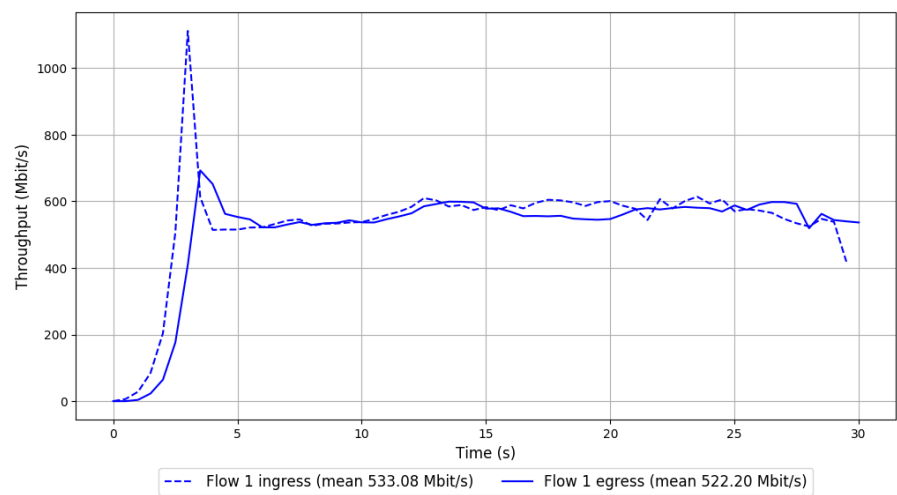
-- Flow 1:

Average throughput: 522.20 Mbit/s

95th percentile per-packet one-way delay: 237.696 ms

Loss rate: 2.04%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-06-18 07:41:44

End at: 2018-06-18 07:42:14

Local clock offset: 38.85 ms

Remote clock offset: 31.454 ms

Below is generated by plot.py at 2018-06-18 12:00:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.77 Mbit/s

95th percentile per-packet one-way delay: 114.185 ms

Loss rate: 0.00%

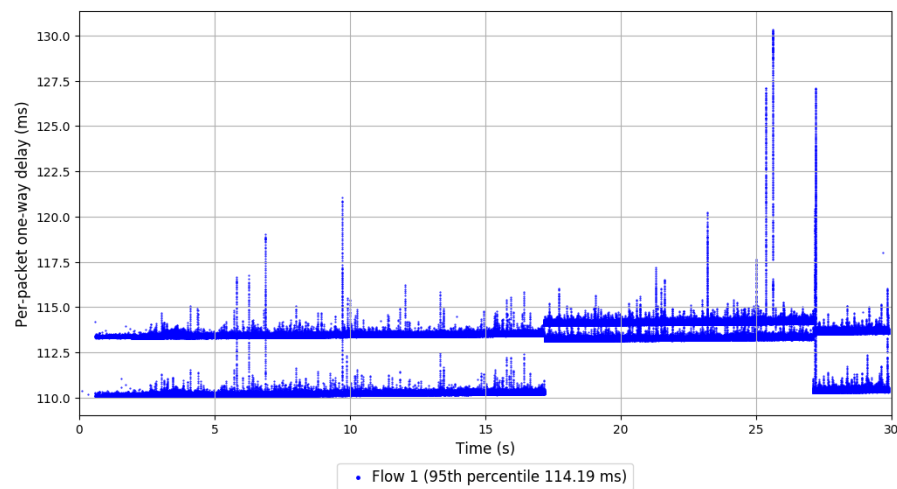
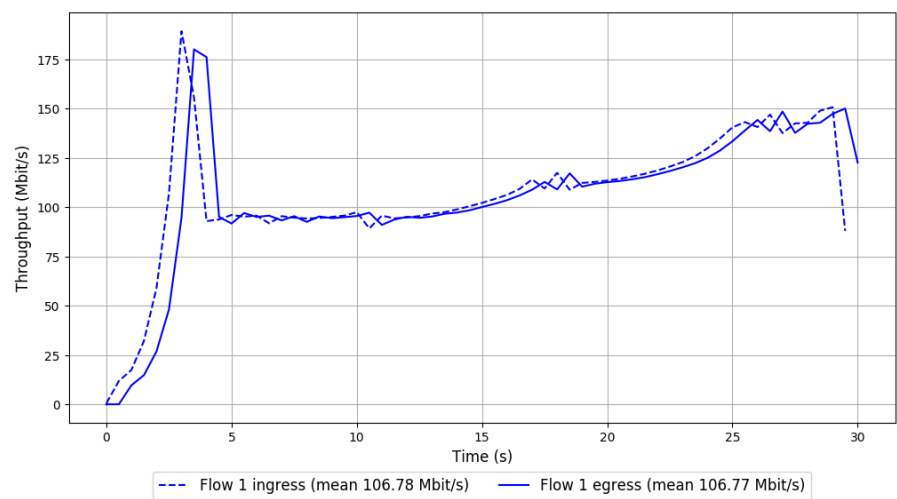
-- Flow 1:

Average throughput: 106.77 Mbit/s

95th percentile per-packet one-way delay: 114.185 ms

Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link

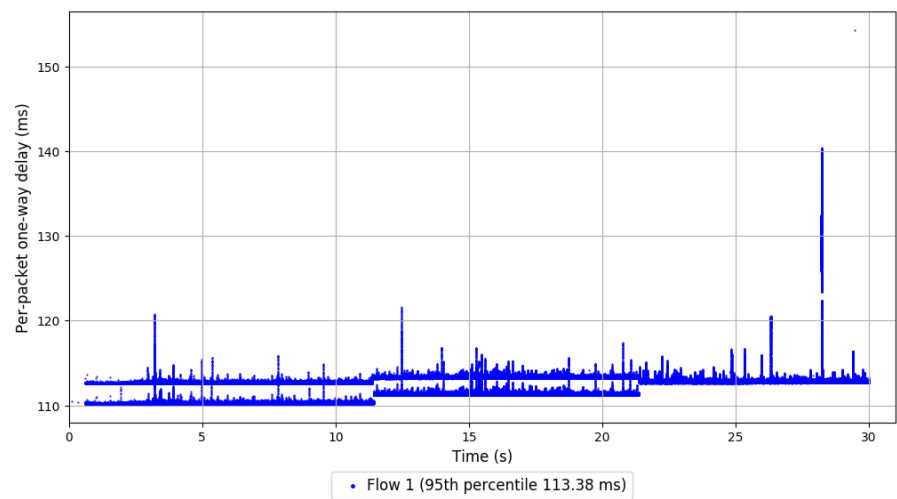
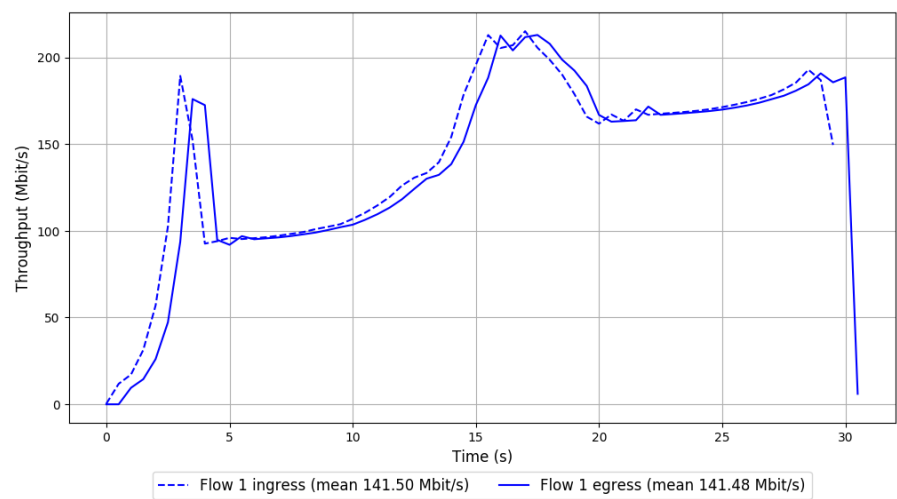


Run 2: Statistics of PCC-Expr

Start at: 2018-06-18 08:02:09
End at: 2018-06-18 08:02:39
Local clock offset: 24.417 ms
Remote clock offset: 34.433 ms

Below is generated by plot.py at 2018-06-18 12:00:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.48 Mbit/s
95th percentile per-packet one-way delay: 113.377 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 141.48 Mbit/s
95th percentile per-packet one-way delay: 113.377 ms
Loss rate: 0.01%

Run 2: Report of PCC-Expr — Data Link

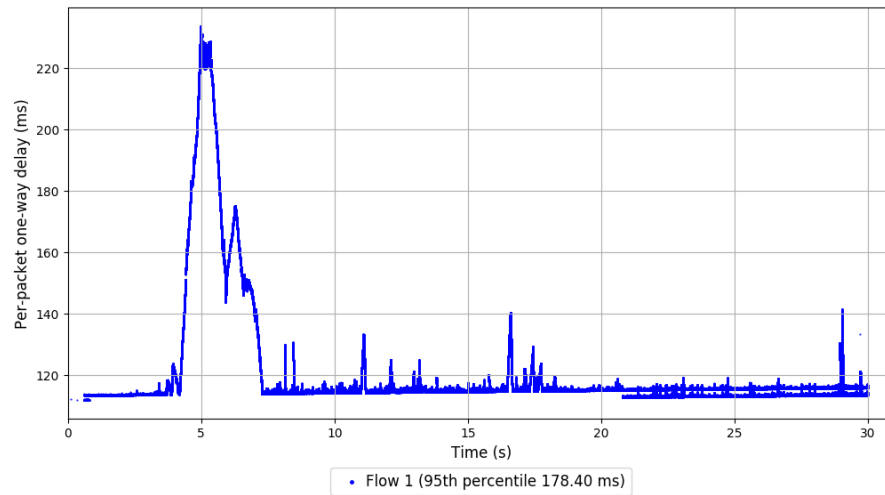
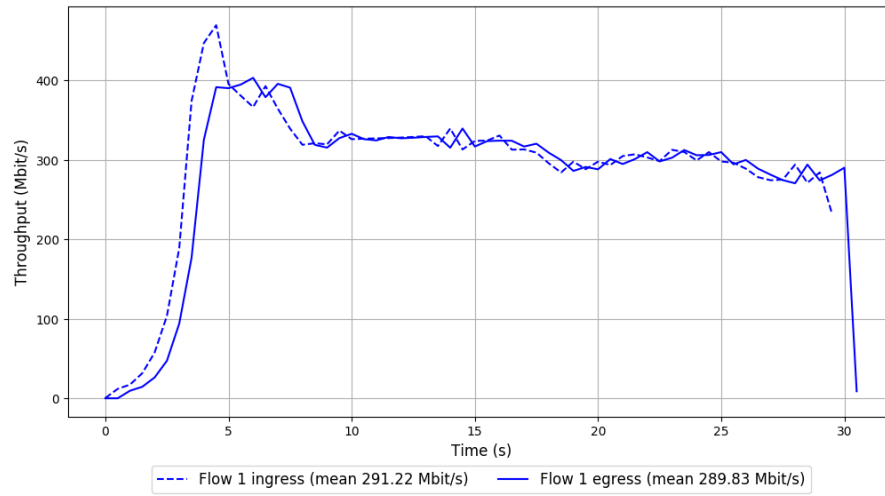


Run 3: Statistics of PCC-Expr

Start at: 2018-06-18 08:23:00
End at: 2018-06-18 08:23:30
Local clock offset: 24.222 ms
Remote clock offset: 48.294 ms

Below is generated by plot.py at 2018-06-18 12:02:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 289.83 Mbit/s
95th percentile per-packet one-way delay: 178.399 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 289.83 Mbit/s
95th percentile per-packet one-way delay: 178.399 ms
Loss rate: 0.46%

Run 3: Report of PCC-Expr — Data Link

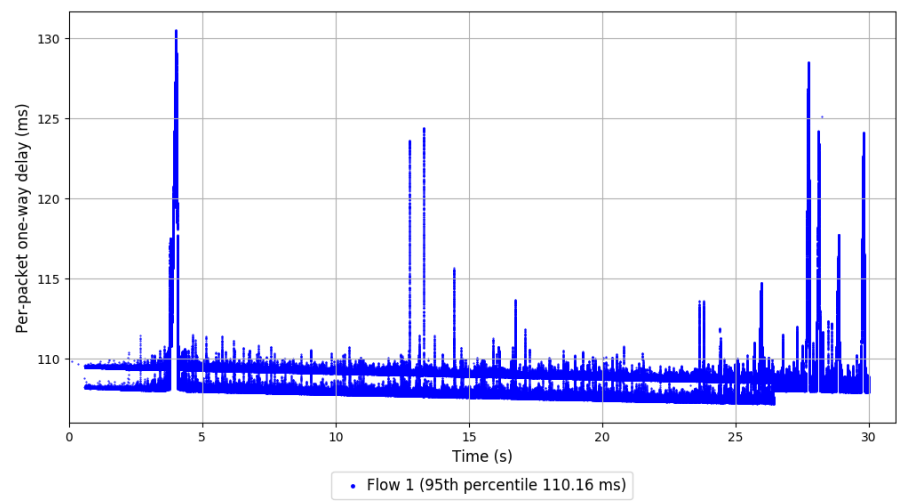
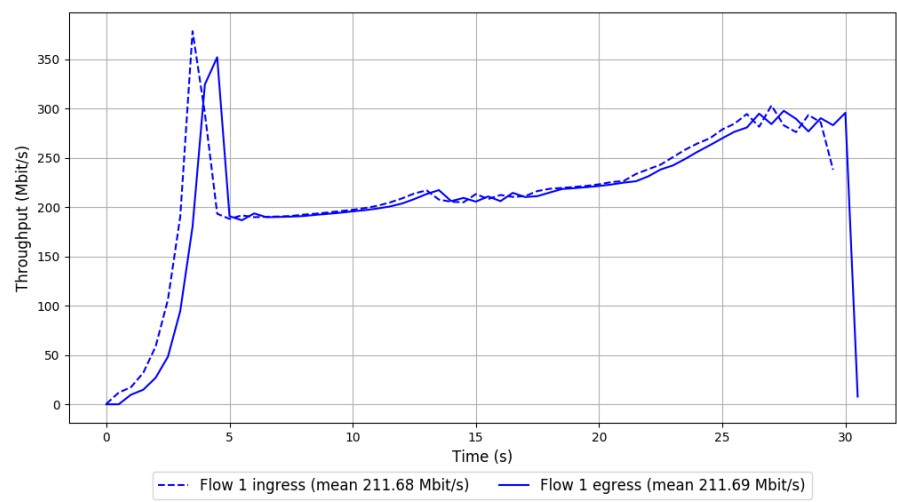


Run 4: Statistics of PCC-Expr

Start at: 2018-06-18 08:43:54
End at: 2018-06-18 08:44:24
Local clock offset: 21.819 ms
Remote clock offset: 24.194 ms

Below is generated by plot.py at 2018-06-18 12:02:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.69 Mbit/s
95th percentile per-packet one-way delay: 110.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.69 Mbit/s
95th percentile per-packet one-way delay: 110.164 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

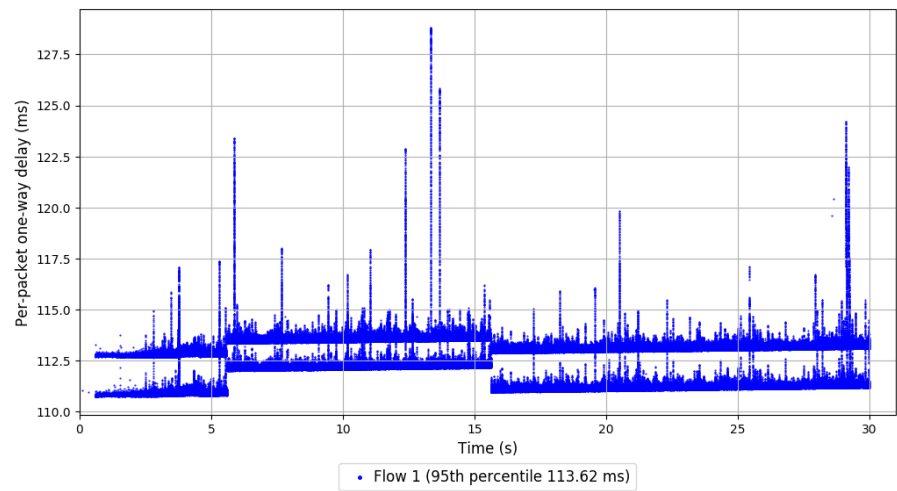
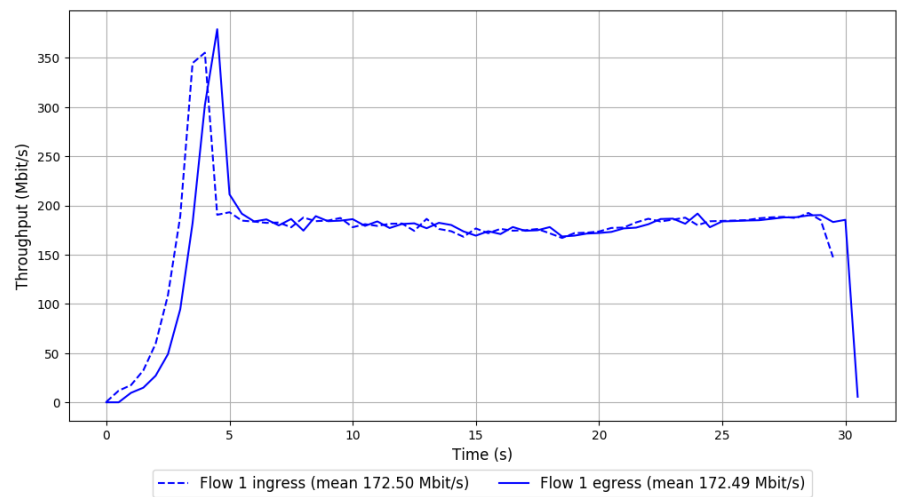


Run 5: Statistics of PCC-Expr

Start at: 2018-06-18 09:04:55
End at: 2018-06-18 09:05:25
Local clock offset: 8.424 ms
Remote clock offset: 11.376 ms

Below is generated by plot.py at 2018-06-18 12:02:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.49 Mbit/s
95th percentile per-packet one-way delay: 113.620 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 172.49 Mbit/s
95th percentile per-packet one-way delay: 113.620 ms
Loss rate: 0.01%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-18 09:25:33

End at: 2018-06-18 09:26:03

Local clock offset: 3.634 ms

Remote clock offset: 7.095 ms

Below is generated by plot.py at 2018-06-18 12:02:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.40 Mbit/s

95th percentile per-packet one-way delay: 214.716 ms

Loss rate: 1.13%

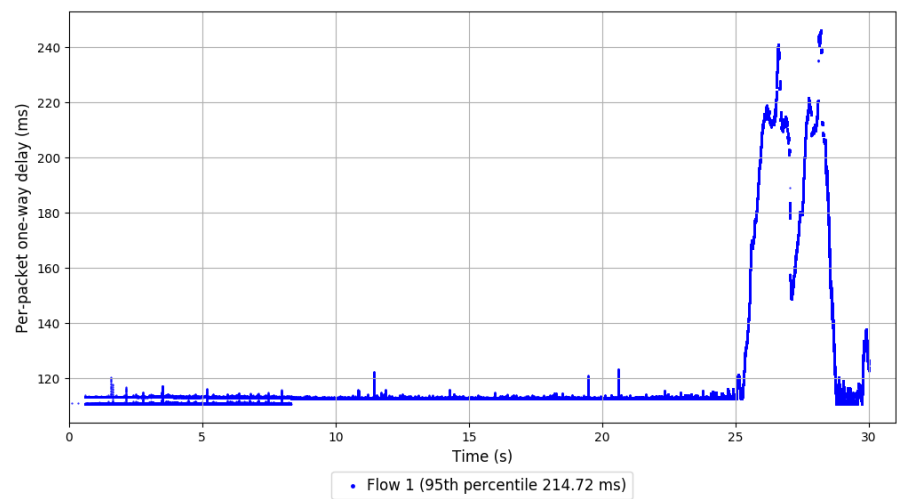
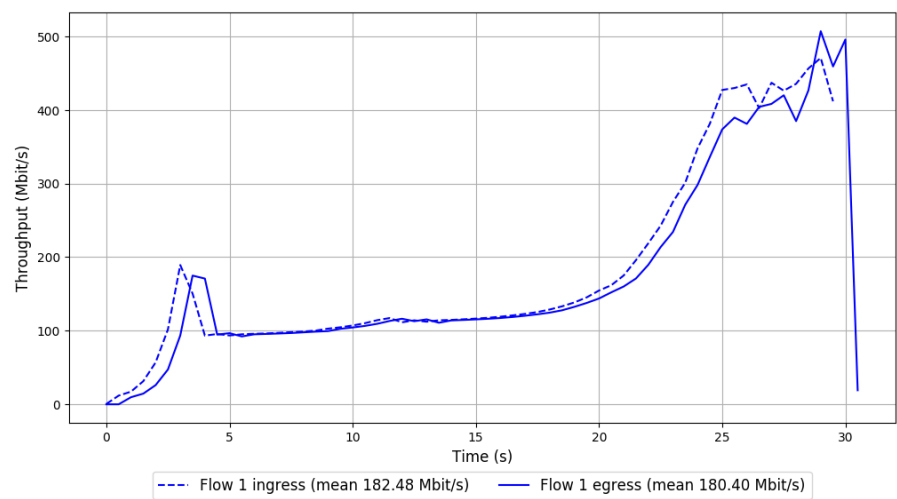
-- Flow 1:

Average throughput: 180.40 Mbit/s

95th percentile per-packet one-way delay: 214.716 ms

Loss rate: 1.13%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-18 09:46:20

End at: 2018-06-18 09:46:50

Local clock offset: 4.697 ms

Remote clock offset: 2.048 ms

Below is generated by plot.py at 2018-06-18 12:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.71 Mbit/s

95th percentile per-packet one-way delay: 182.849 ms

Loss rate: 0.51%

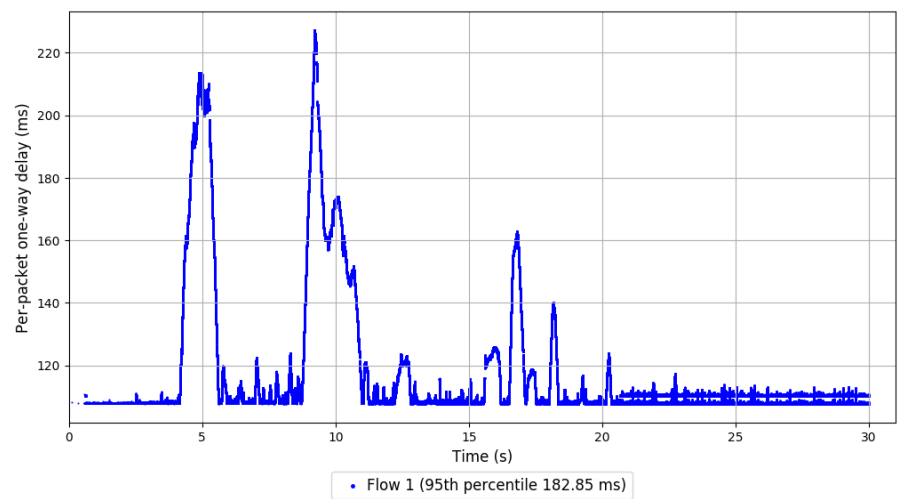
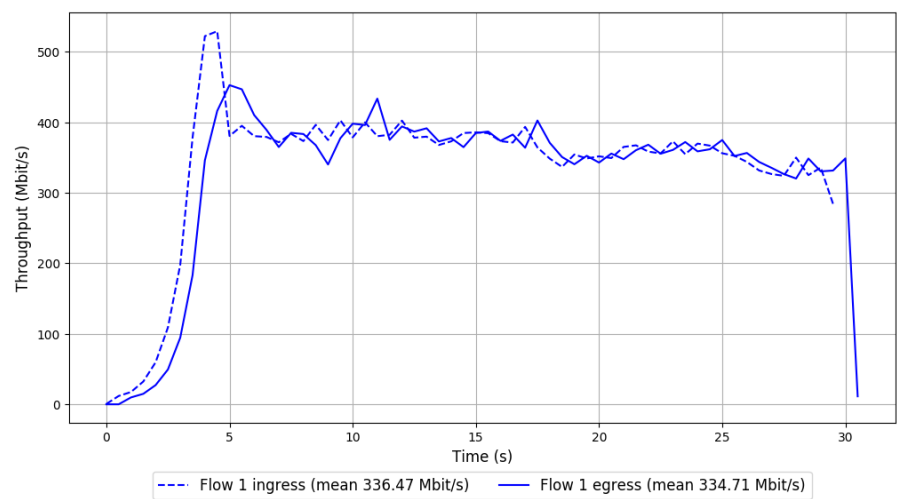
-- Flow 1:

Average throughput: 334.71 Mbit/s

95th percentile per-packet one-way delay: 182.849 ms

Loss rate: 0.51%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-18 10:07:01

End at: 2018-06-18 10:07:31

Local clock offset: 1.631 ms

Remote clock offset: 2.504 ms

Below is generated by plot.py at 2018-06-18 12:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.76 Mbit/s

95th percentile per-packet one-way delay: 113.367 ms

Loss rate: 0.00%

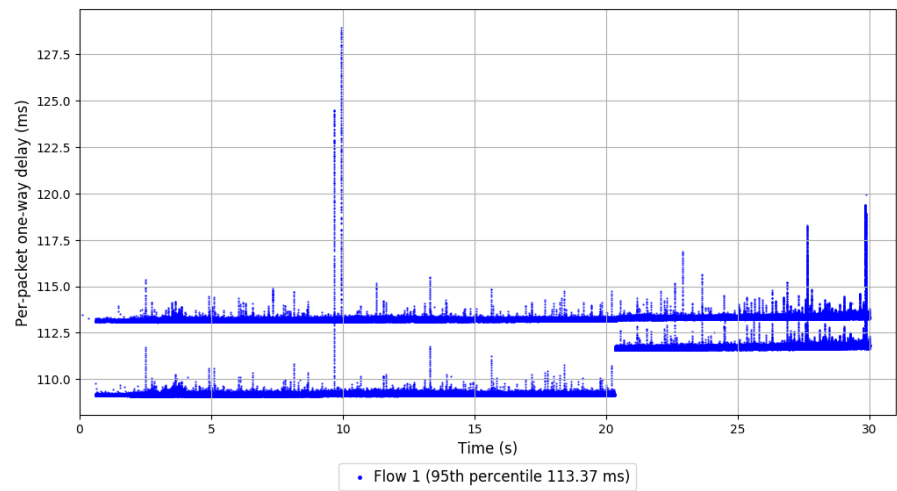
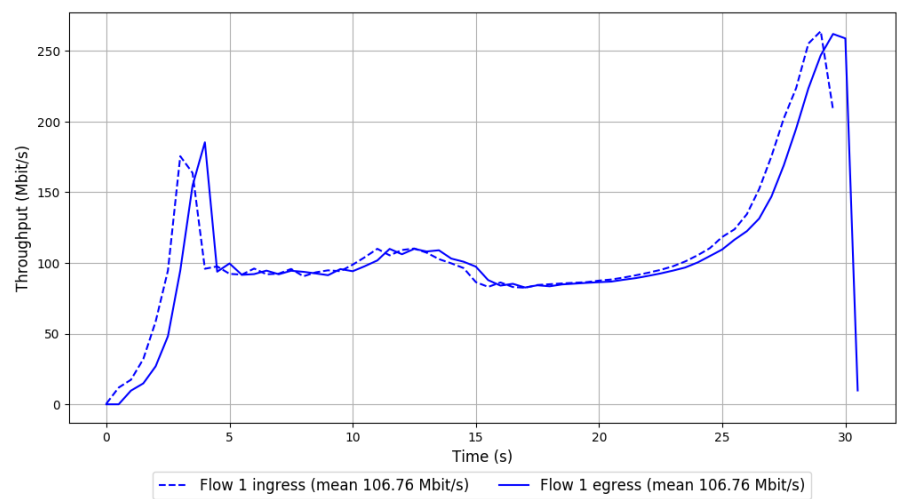
-- Flow 1:

Average throughput: 106.76 Mbit/s

95th percentile per-packet one-way delay: 113.367 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-18 10:27:51

End at: 2018-06-18 10:28:21

Local clock offset: 2.409 ms

Remote clock offset: 1.276 ms

Below is generated by plot.py at 2018-06-18 12:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.71 Mbit/s

95th percentile per-packet one-way delay: 115.802 ms

Loss rate: 0.00%

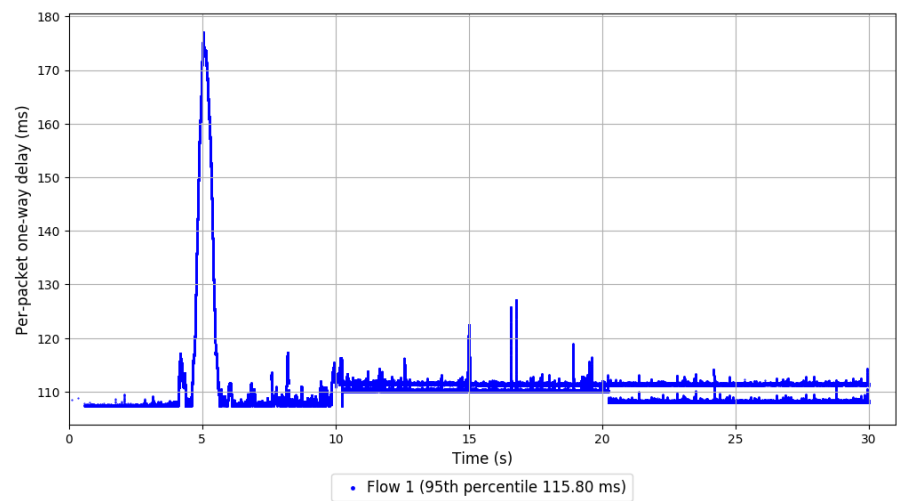
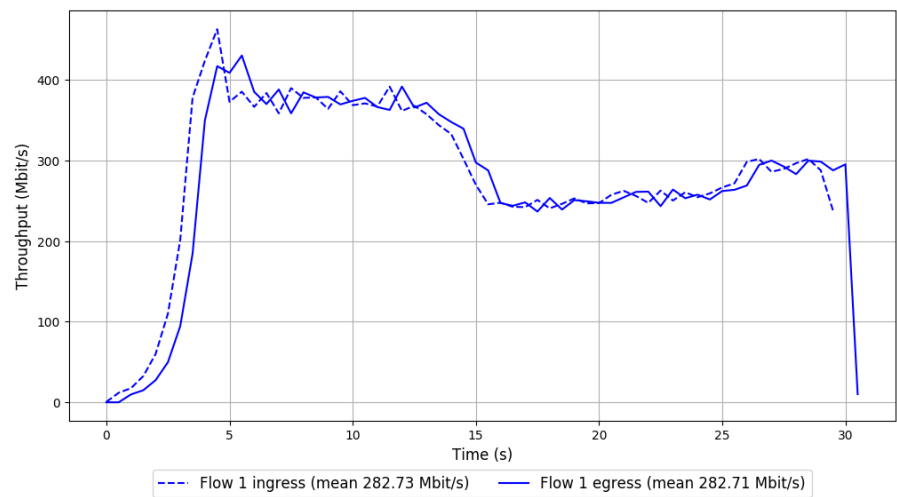
-- Flow 1:

Average throughput: 282.71 Mbit/s

95th percentile per-packet one-way delay: 115.802 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-18 10:48:36

End at: 2018-06-18 10:49:06

Local clock offset: 0.837 ms

Remote clock offset: 0.998 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.81 Mbit/s

95th percentile per-packet one-way delay: 220.505 ms

Loss rate: 0.77%

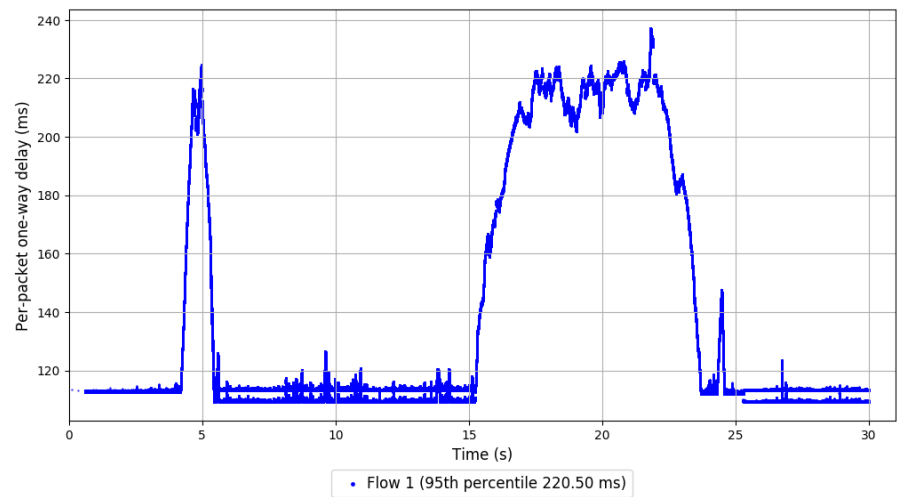
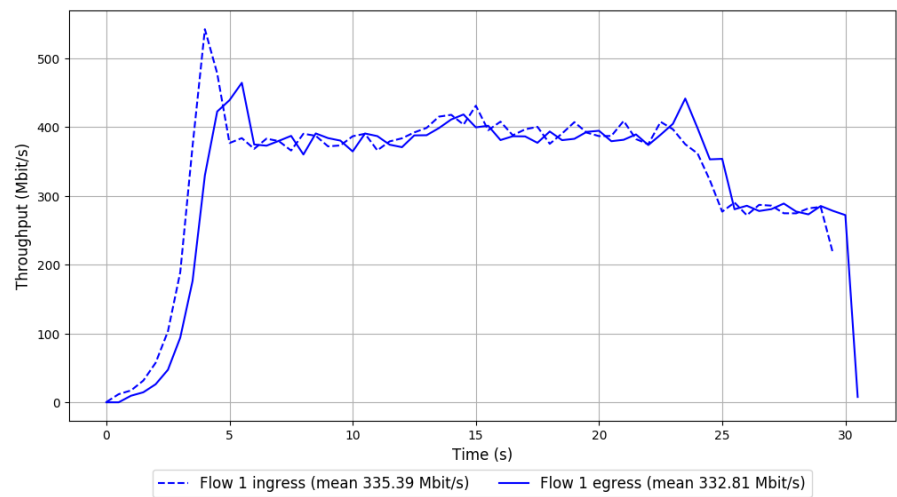
-- Flow 1:

Average throughput: 332.81 Mbit/s

95th percentile per-packet one-way delay: 220.505 ms

Loss rate: 0.77%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

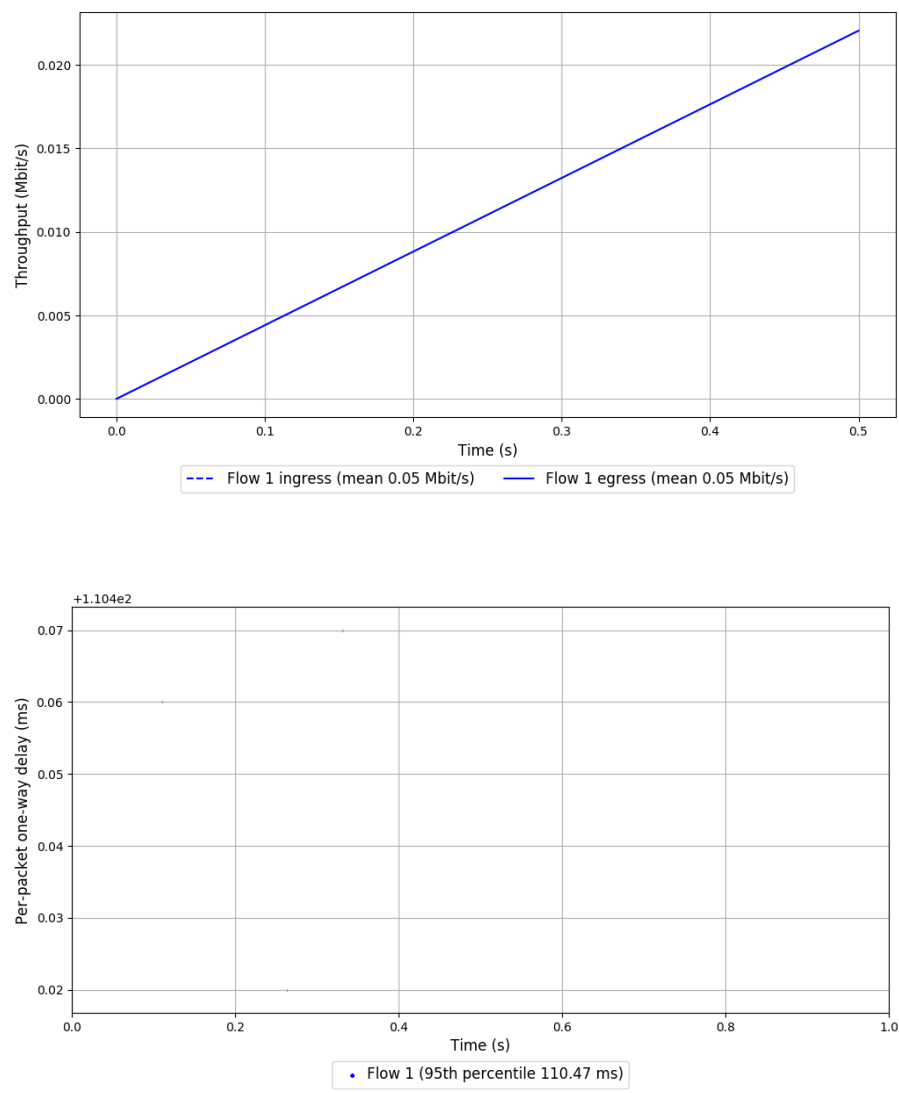
Start at: 2018-06-18 07:52:45

End at: 2018-06-18 07:53:15

Local clock offset: 21.657 ms

Remote clock offset: 30.937 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-18 08:13:29

End at: 2018-06-18 08:13:59

Local clock offset: 19.301 ms

Remote clock offset: 49.841 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 111.329 ms

Loss rate: 0.00%

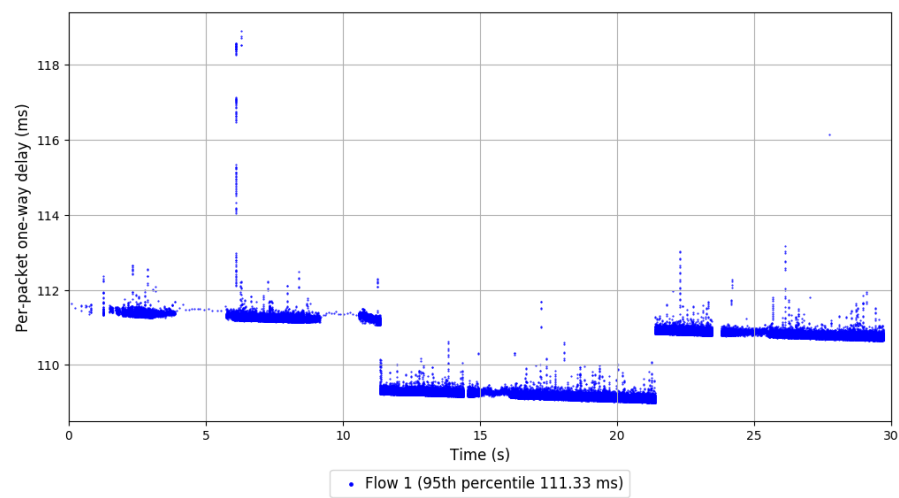
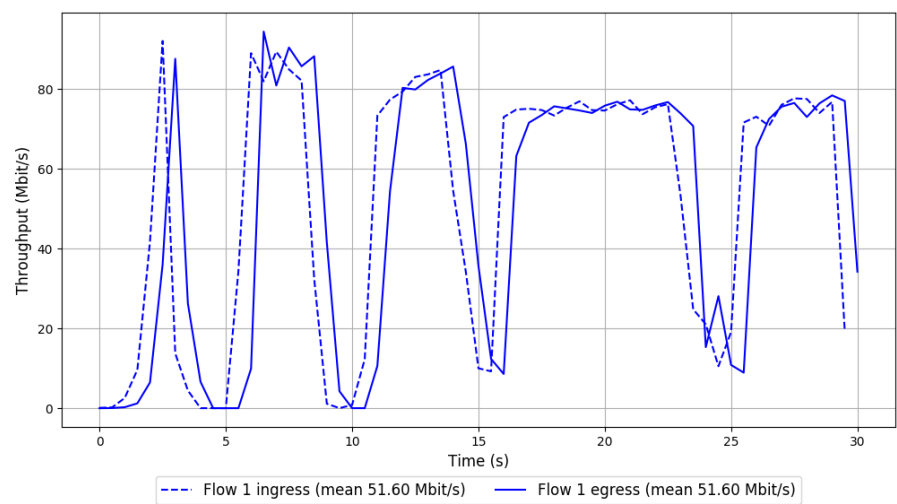
-- Flow 1:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 111.329 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

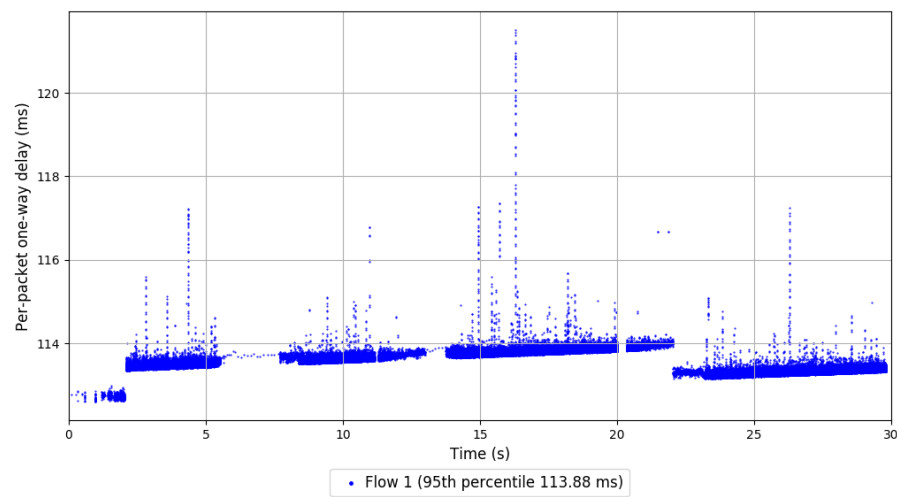
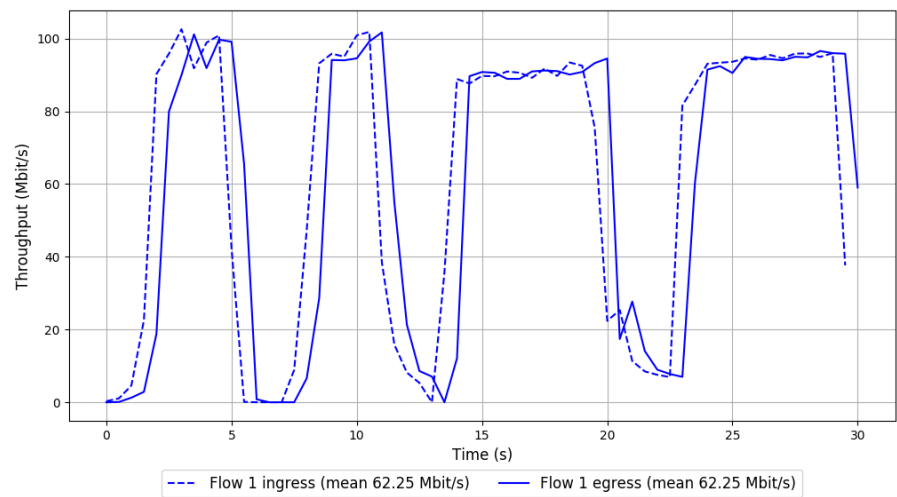


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-18 08:34:19
End at: 2018-06-18 08:34:49
Local clock offset: 34.174 ms
Remote clock offset: 24.291 ms

Below is generated by plot.py at 2018-06-18 12:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 113.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 113.880 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-18 08:55:19

End at: 2018-06-18 08:55:49

Local clock offset: 10.629 ms

Remote clock offset: 29.22 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.33 Mbit/s

95th percentile per-packet one-way delay: 112.643 ms

Loss rate: 0.01%

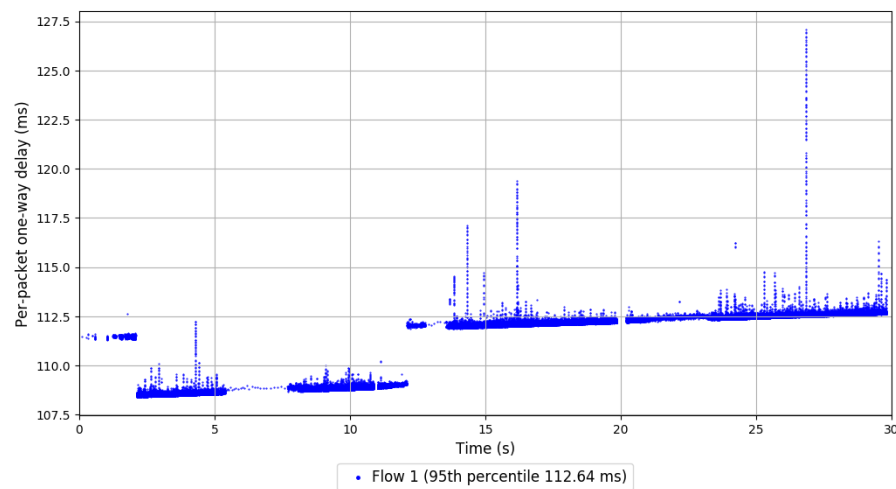
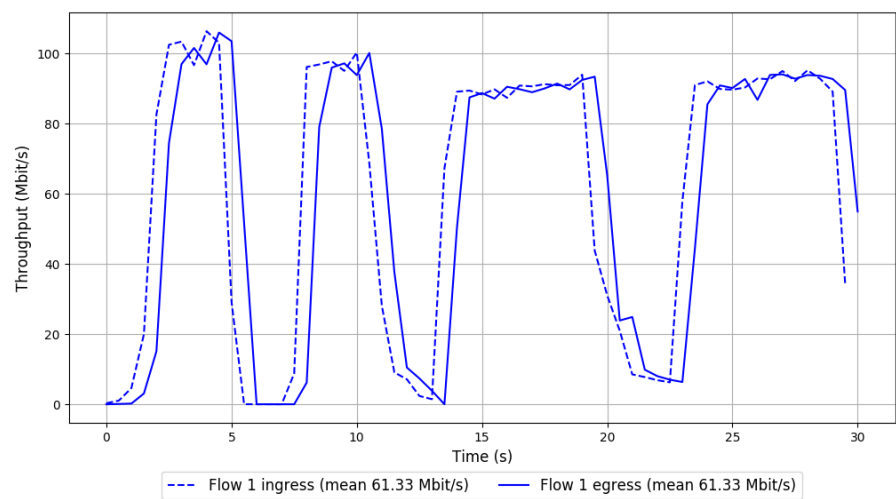
-- Flow 1:

Average throughput: 61.33 Mbit/s

95th percentile per-packet one-way delay: 112.643 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-18 09:16:14

End at: 2018-06-18 09:16:44

Local clock offset: 6.36 ms

Remote clock offset: 6.956 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.41 Mbit/s

95th percentile per-packet one-way delay: 112.976 ms

Loss rate: 0.00%

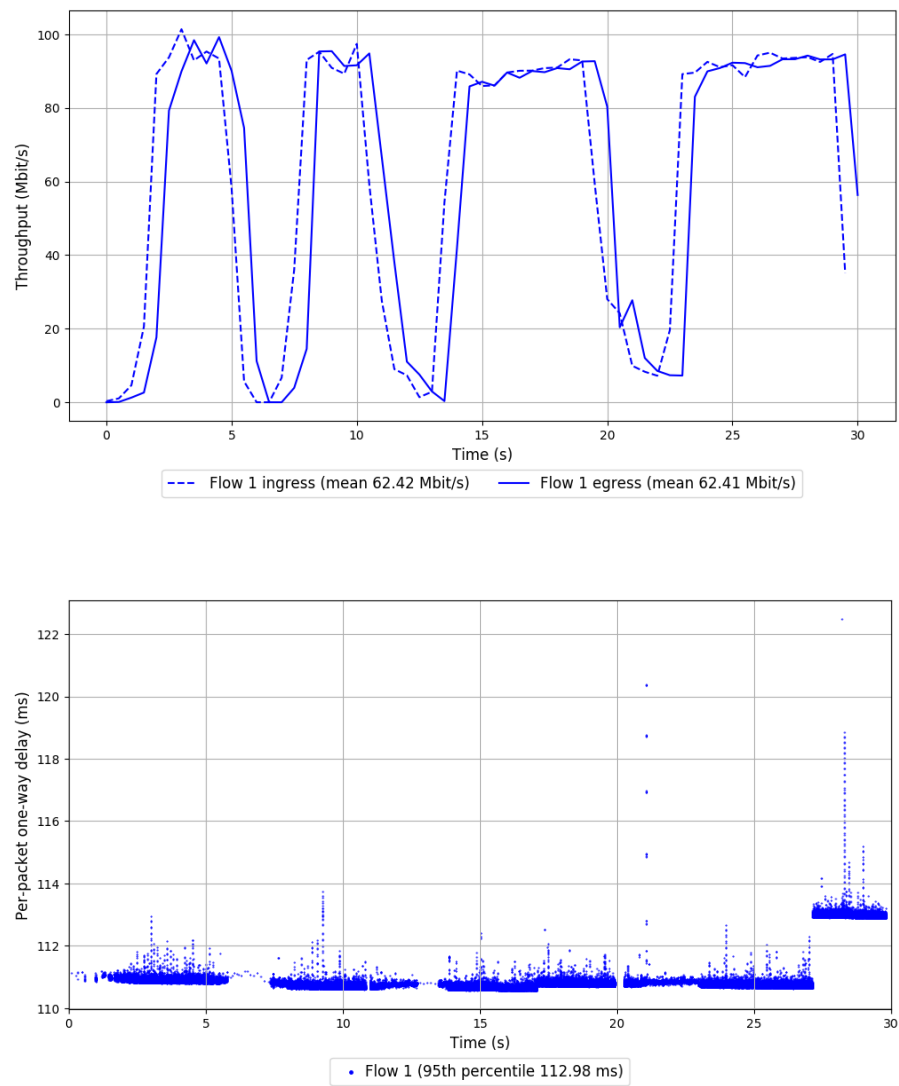
-- Flow 1:

Average throughput: 62.41 Mbit/s

95th percentile per-packet one-way delay: 112.976 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-18 09:36:44

End at: 2018-06-18 09:37:14

Local clock offset: 3.619 ms

Remote clock offset: 3.844 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.20 Mbit/s

95th percentile per-packet one-way delay: 112.807 ms

Loss rate: 0.00%

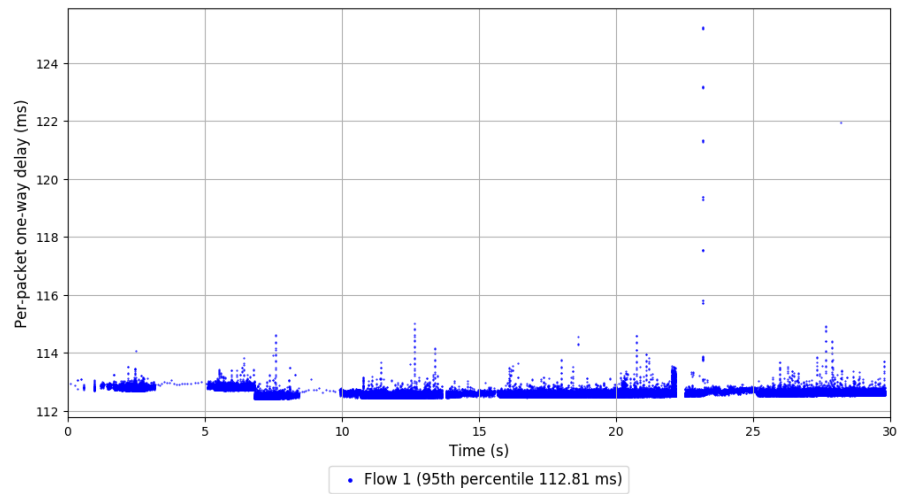
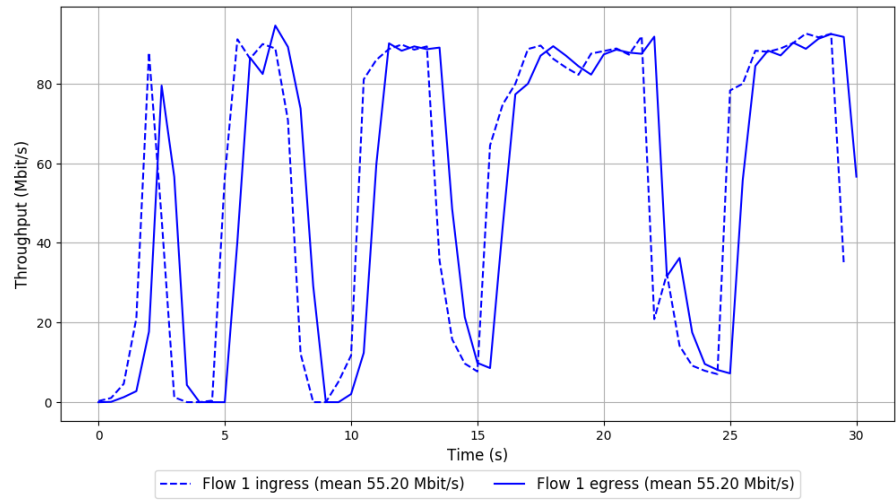
-- Flow 1:

Average throughput: 55.20 Mbit/s

95th percentile per-packet one-way delay: 112.807 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-18 09:57:47

End at: 2018-06-18 09:58:17

Local clock offset: 1.667 ms

Remote clock offset: 2.757 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.00 Mbit/s

95th percentile per-packet one-way delay: 111.533 ms

Loss rate: 0.00%

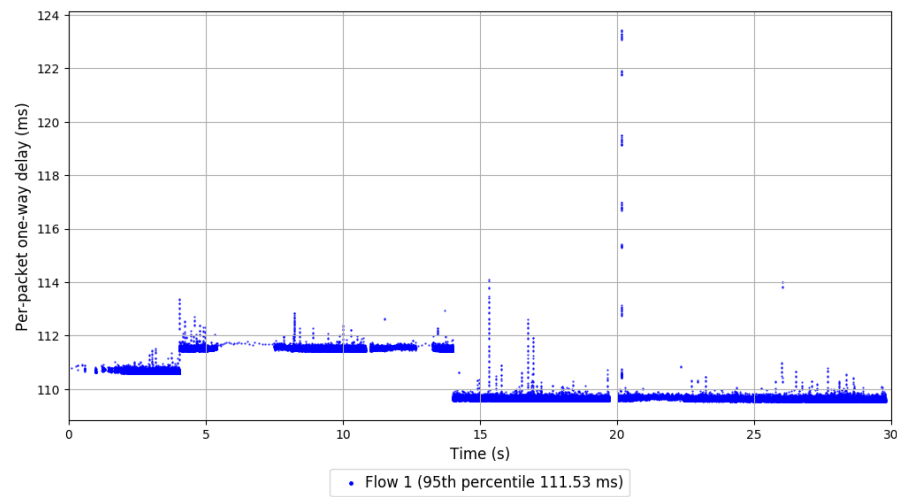
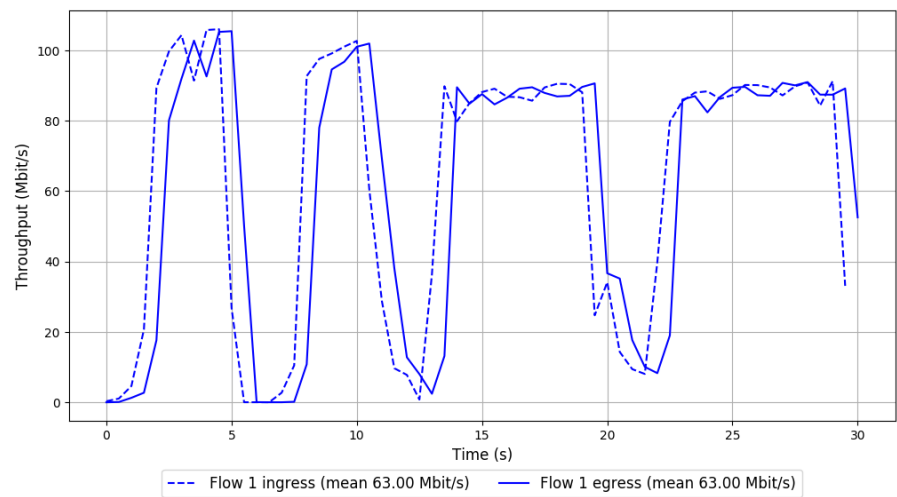
-- Flow 1:

Average throughput: 63.00 Mbit/s

95th percentile per-packet one-way delay: 111.533 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-18 10:18:14

End at: 2018-06-18 10:18:44

Local clock offset: 3.068 ms

Remote clock offset: 0.85 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 111.194 ms

Loss rate: 0.00%

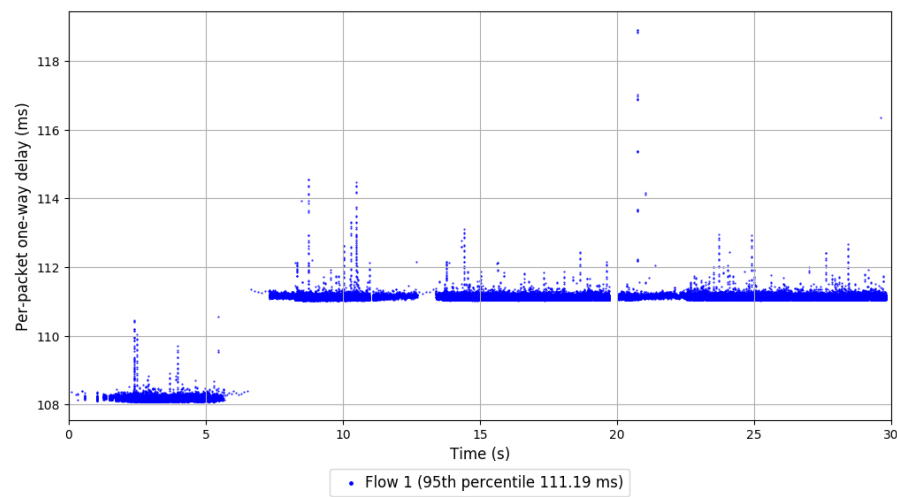
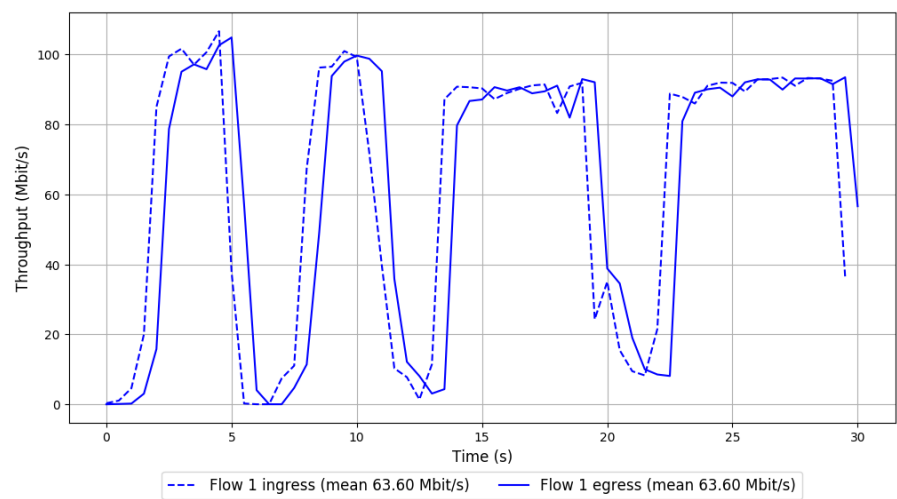
-- Flow 1:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 111.194 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-18 10:39:11

End at: 2018-06-18 10:39:41

Local clock offset: 0.55 ms

Remote clock offset: 1.22 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.11 Mbit/s

95th percentile per-packet one-way delay: 112.981 ms

Loss rate: 0.00%

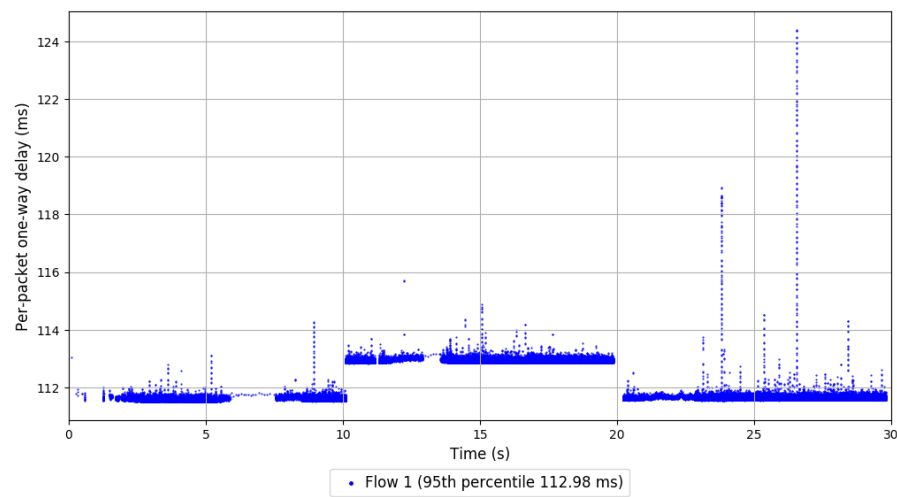
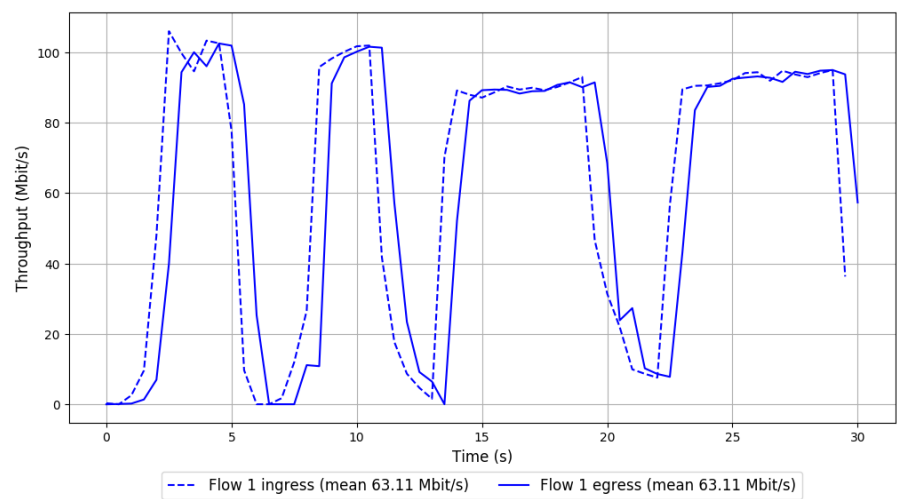
-- Flow 1:

Average throughput: 63.11 Mbit/s

95th percentile per-packet one-way delay: 112.981 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-18 11:00:02

End at: 2018-06-18 11:00:32

Local clock offset: 1.798 ms

Remote clock offset: 0.575 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.77 Mbit/s

95th percentile per-packet one-way delay: 111.565 ms

Loss rate: 0.00%

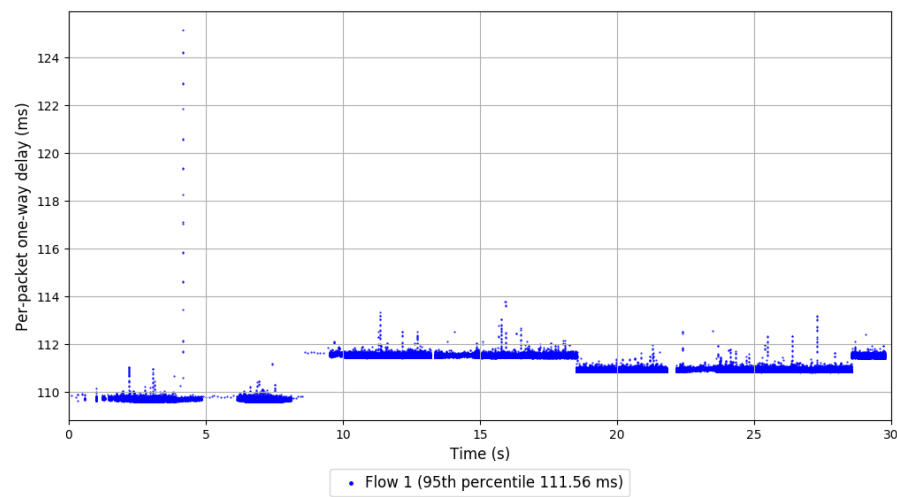
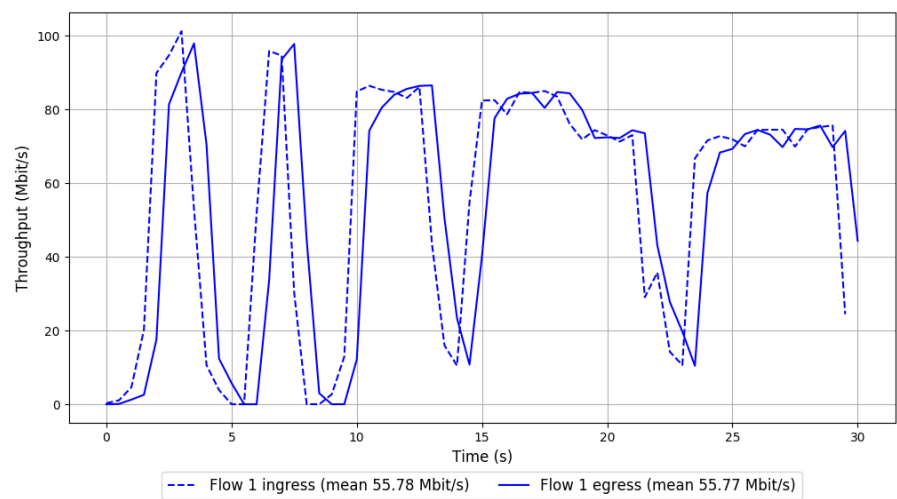
-- Flow 1:

Average throughput: 55.77 Mbit/s

95th percentile per-packet one-way delay: 111.565 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

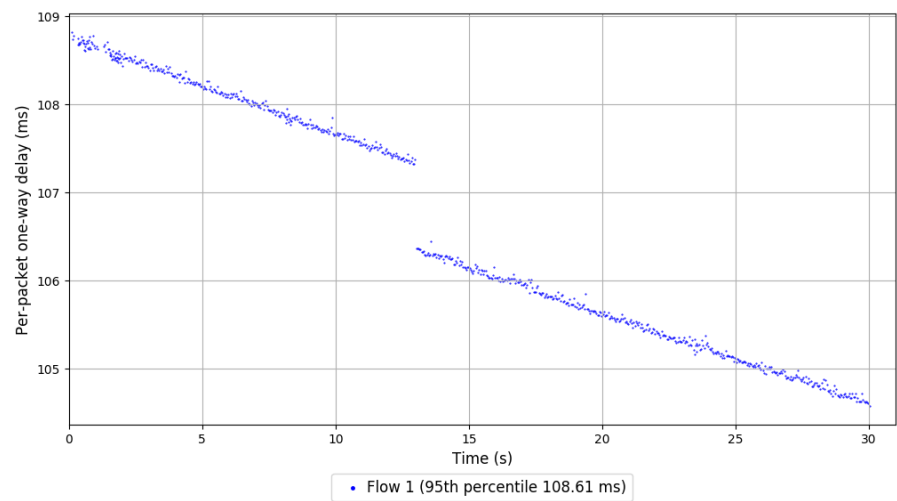
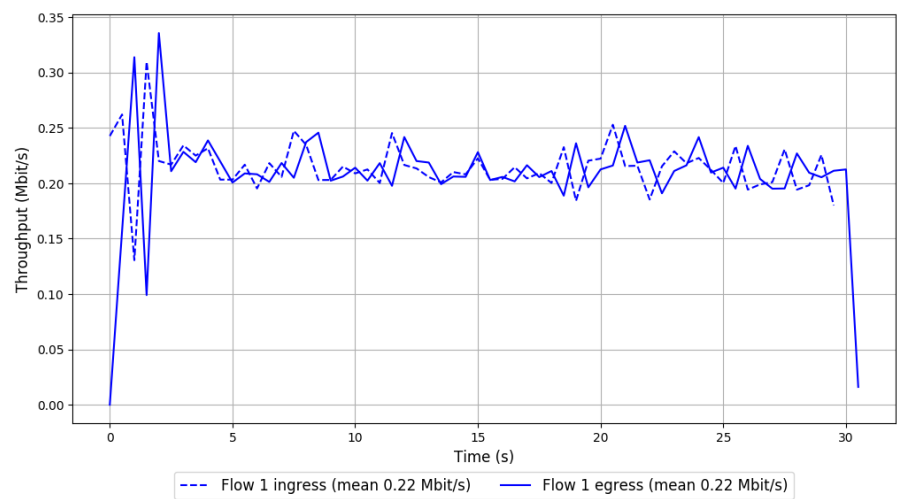


Run 1: Statistics of SCReAM

Start at: 2018-06-18 07:46:38
End at: 2018-06-18 07:47:08
Local clock offset: 52.612 ms
Remote clock offset: 40.423 ms

Below is generated by plot.py at 2018-06-18 12:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.605 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

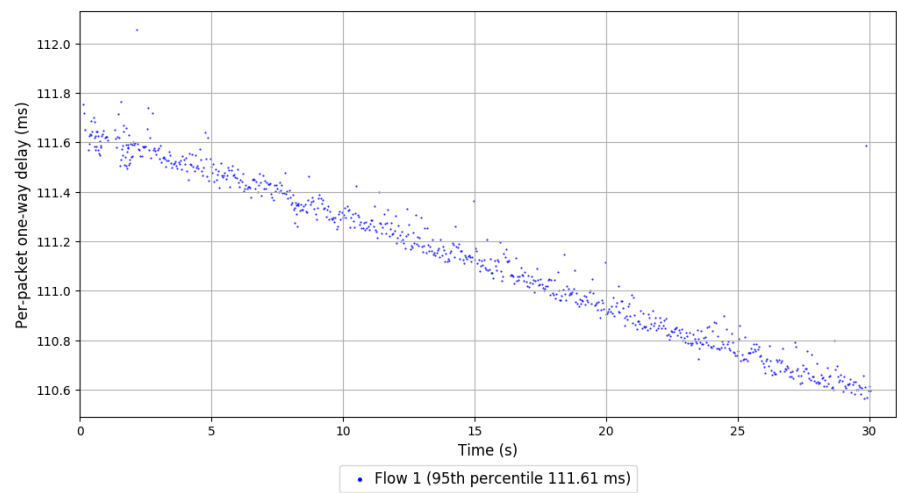
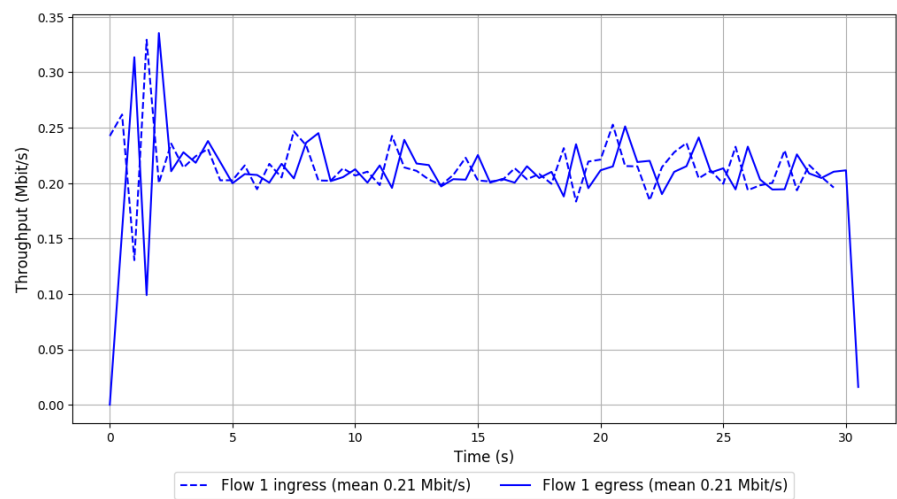


Run 2: Statistics of SCReAM

Start at: 2018-06-18 08:07:14
End at: 2018-06-18 08:07:44
Local clock offset: 21.392 ms
Remote clock offset: 40.174 ms

Below is generated by plot.py at 2018-06-18 12:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.605 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.605 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

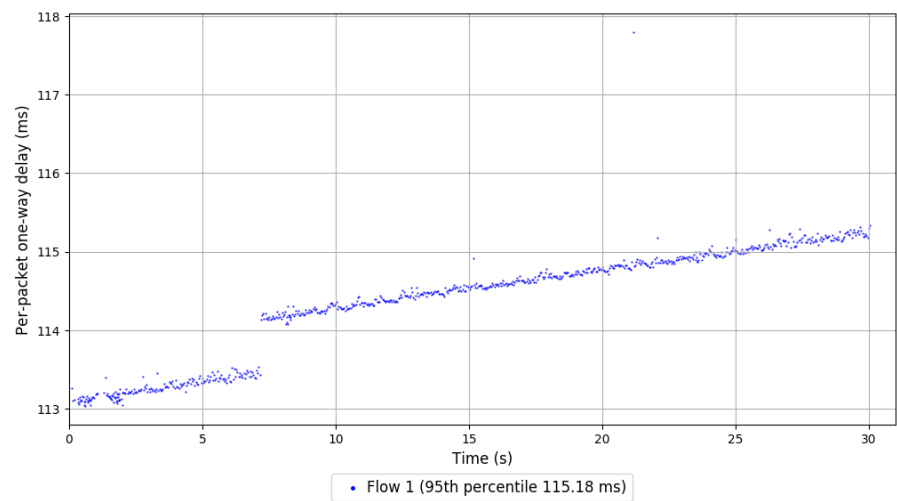
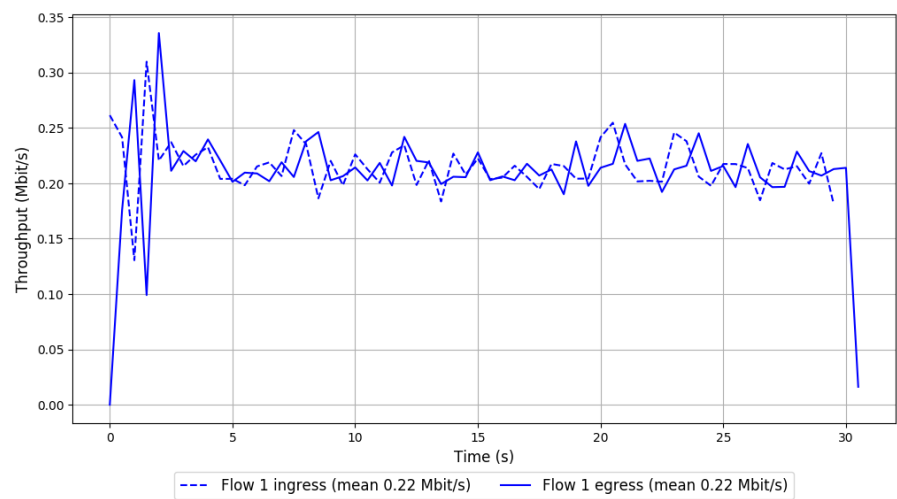


Run 3: Statistics of SCReAM

Start at: 2018-06-18 08:28:14
End at: 2018-06-18 08:28:44
Local clock offset: 28.521 ms
Remote clock offset: 31.993 ms

Below is generated by plot.py at 2018-06-18 12:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 115.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 115.183 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

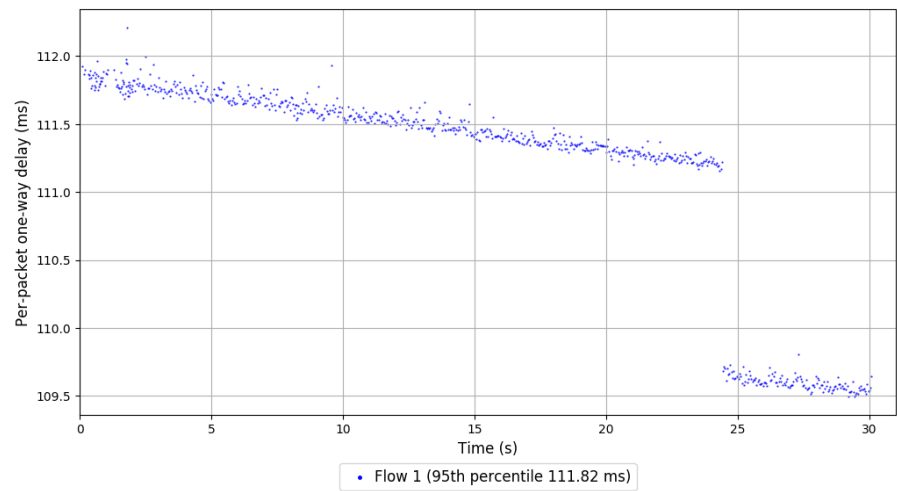
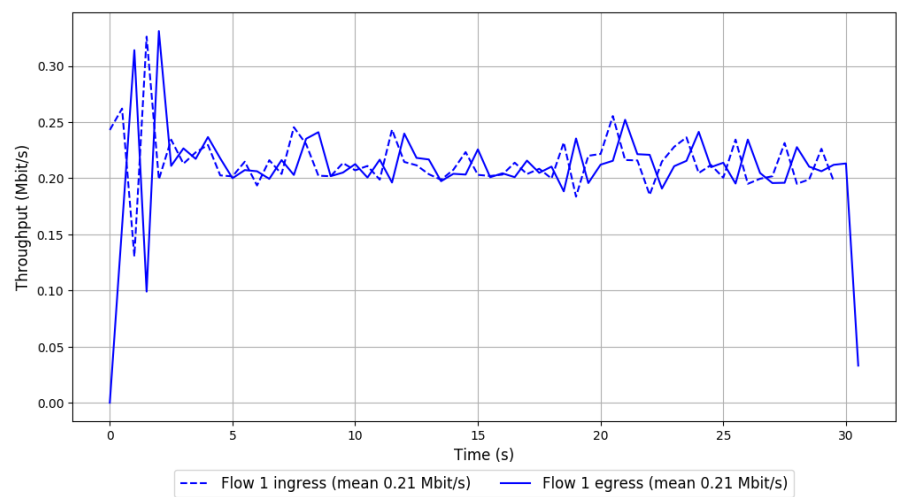


Run 4: Statistics of SCReAM

Start at: 2018-06-18 08:49:06
End at: 2018-06-18 08:49:36
Local clock offset: 13.202 ms
Remote clock offset: 27.266 ms

Below is generated by plot.py at 2018-06-18 12:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.818 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-18 09:09:59

End at: 2018-06-18 09:10:29

Local clock offset: 9.248 ms

Remote clock offset: 8.433 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.306 ms

Loss rate: 0.00%

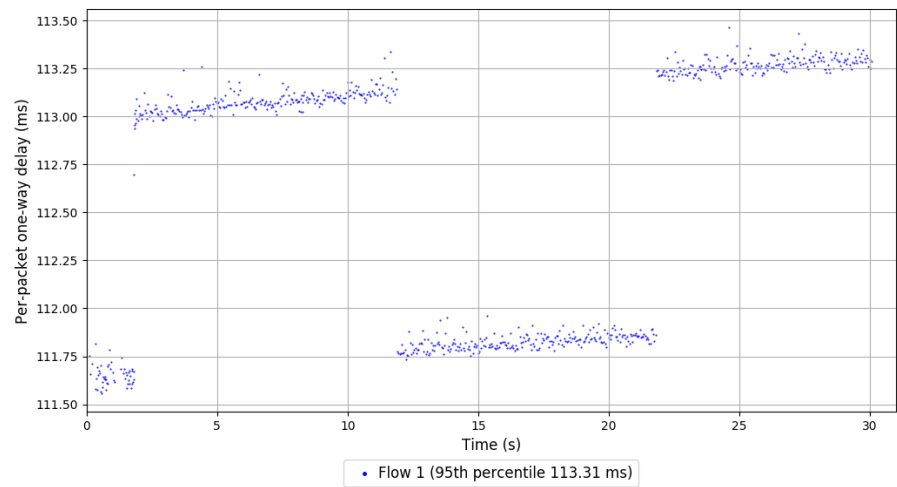
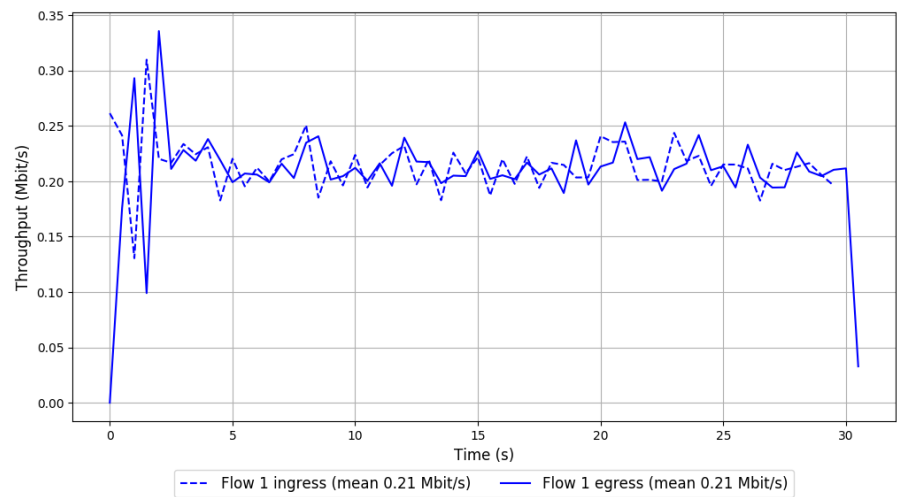
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.306 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-06-18 09:30:35

End at: 2018-06-18 09:31:05

Local clock offset: 3.127 ms

Remote clock offset: 6.176 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.051 ms

Loss rate: 0.00%

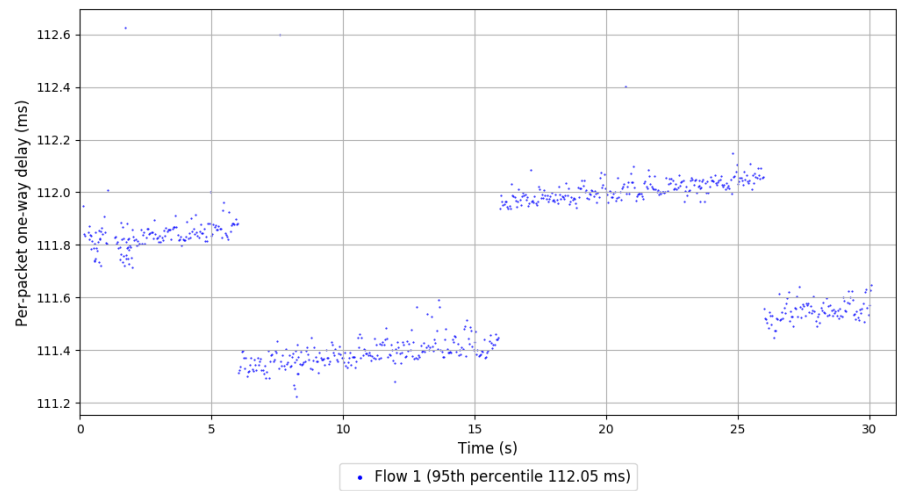
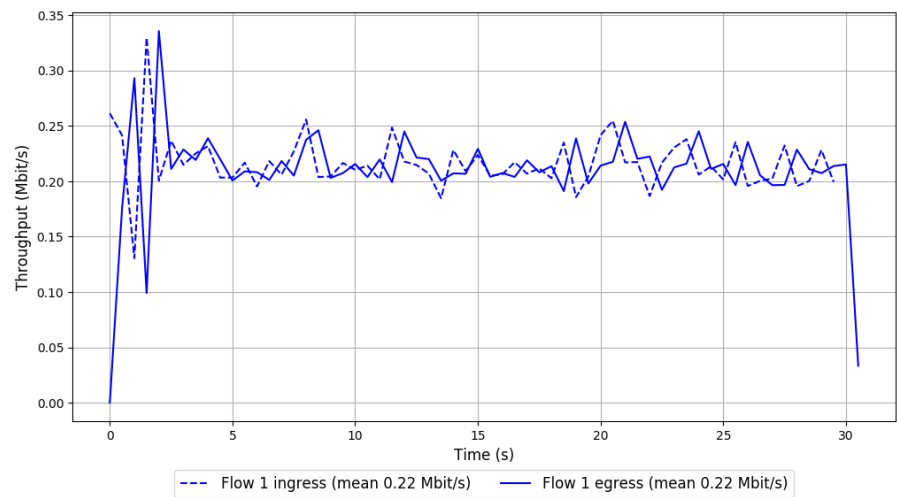
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.051 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-18 09:51:37

End at: 2018-06-18 09:52:07

Local clock offset: 2.552 ms

Remote clock offset: 2.537 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.637 ms

Loss rate: 0.00%

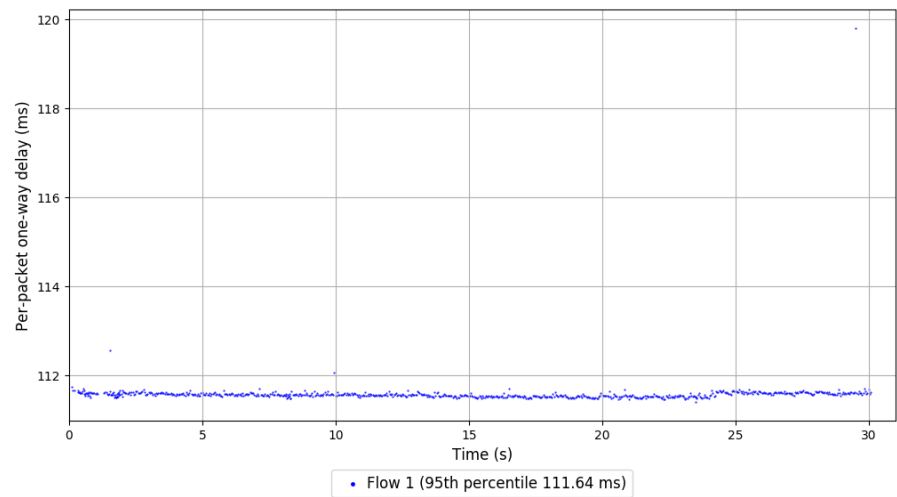
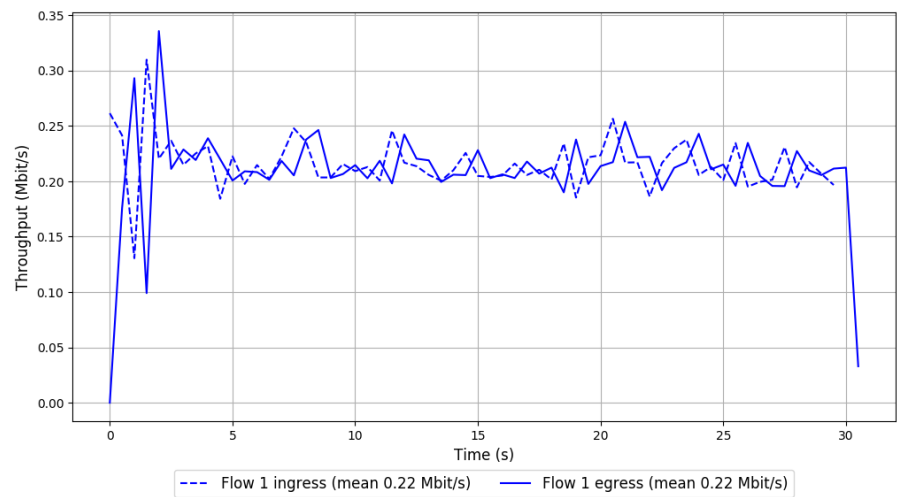
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.637 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-18 10:11:57

End at: 2018-06-18 10:12:27

Local clock offset: 1.748 ms

Remote clock offset: 1.483 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.086 ms

Loss rate: 0.00%

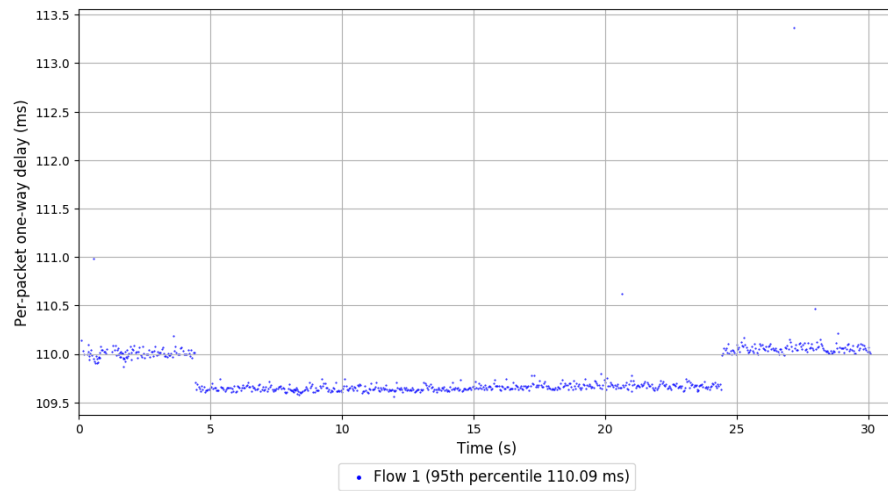
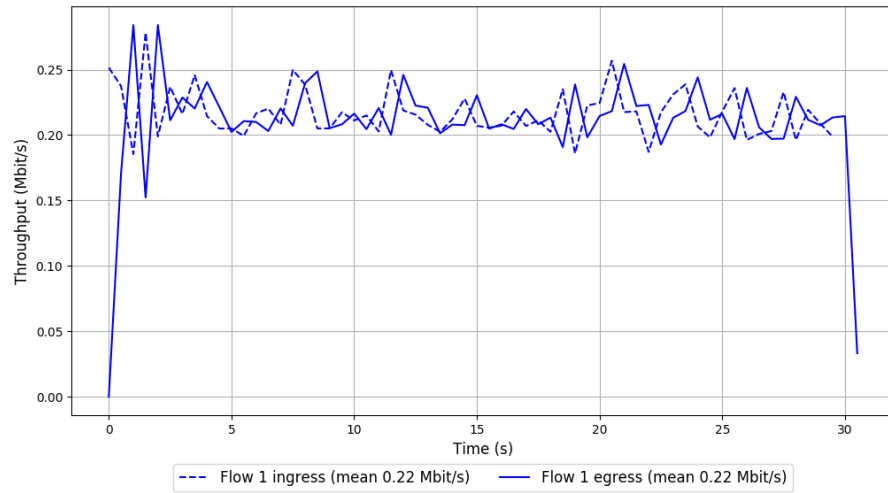
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.086 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-18 10:33:03

End at: 2018-06-18 10:33:33

Local clock offset: 0.676 ms

Remote clock offset: 1.362 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.078 ms

Loss rate: 0.00%

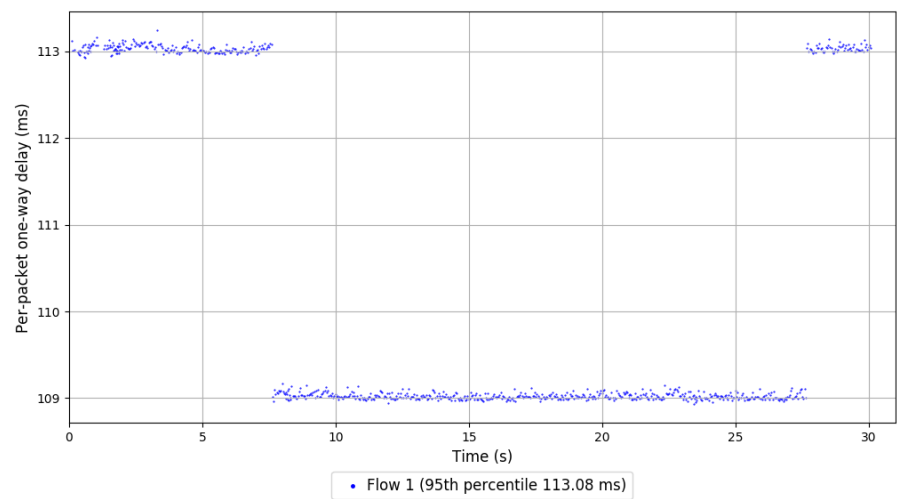
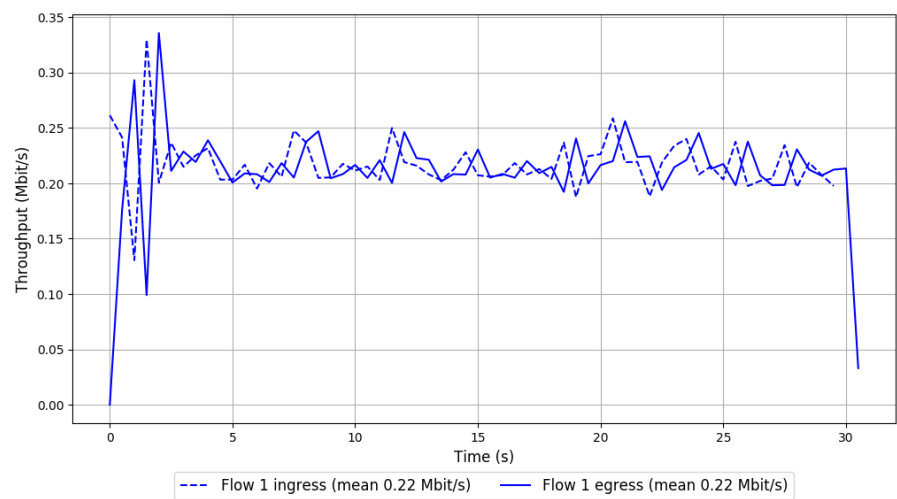
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.078 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-18 10:53:54

End at: 2018-06-18 10:54:24

Local clock offset: 1.054 ms

Remote clock offset: 0.509 ms

Below is generated by plot.py at 2018-06-18 12:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.216 ms

Loss rate: 0.00%

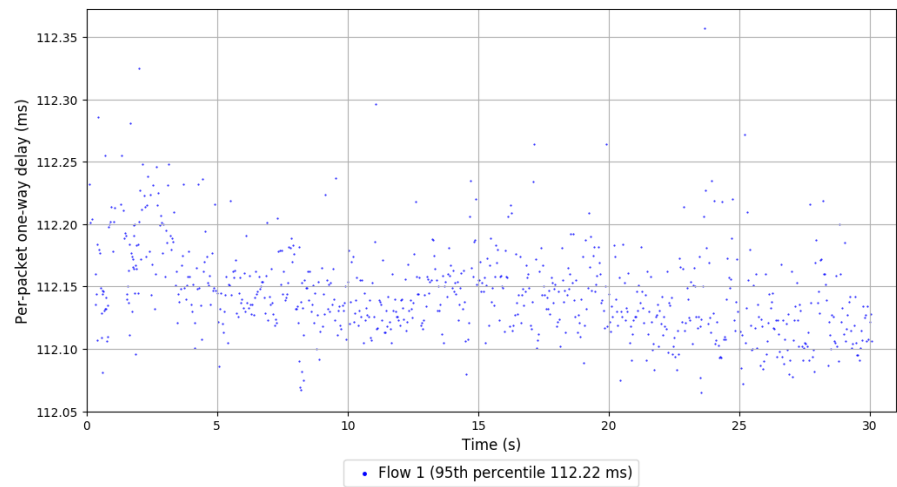
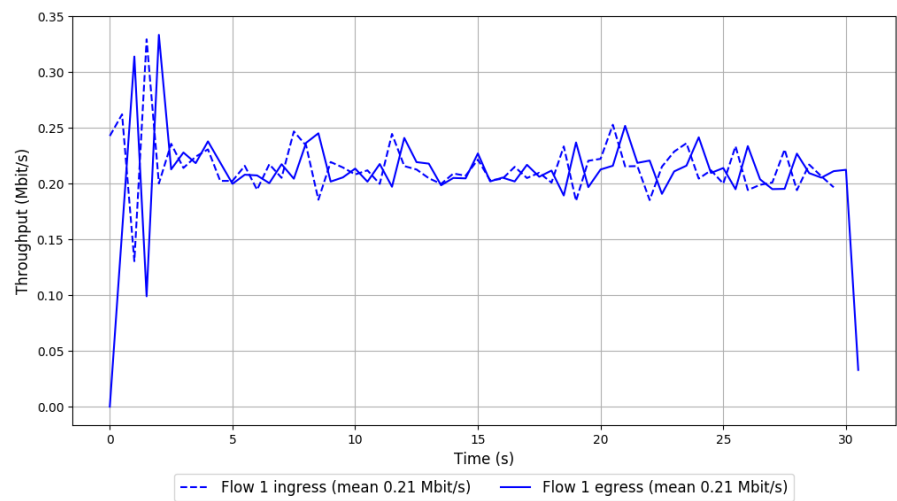
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.216 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

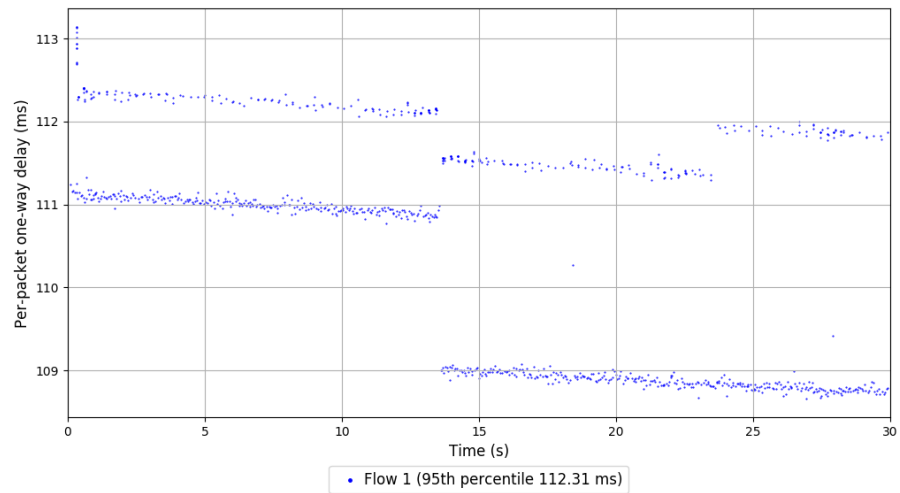
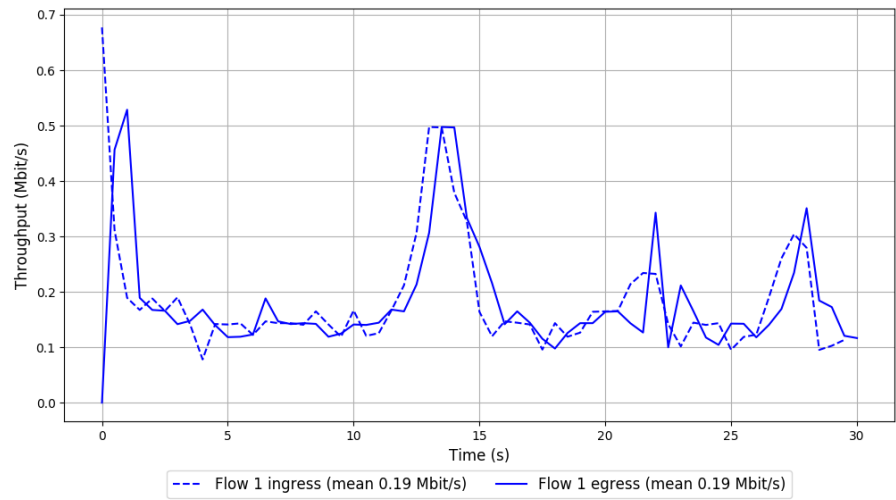


Run 1: Statistics of Sprout

Start at: 2018-06-18 07:51:37
End at: 2018-06-18 07:52:07
Local clock offset: 23.579 ms
Remote clock offset: 31.676 ms

Below is generated by plot.py at 2018-06-18 12:11:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.311 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-18 08:12:22

End at: 2018-06-18 08:12:52

Local clock offset: 19.1 ms

Remote clock offset: 47.69 ms

Below is generated by plot.py at 2018-06-18 12:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.888 ms

Loss rate: 0.00%

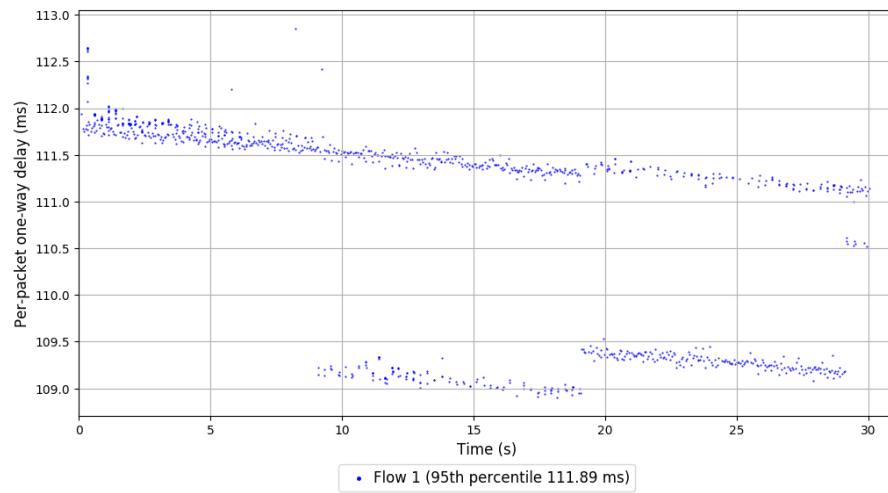
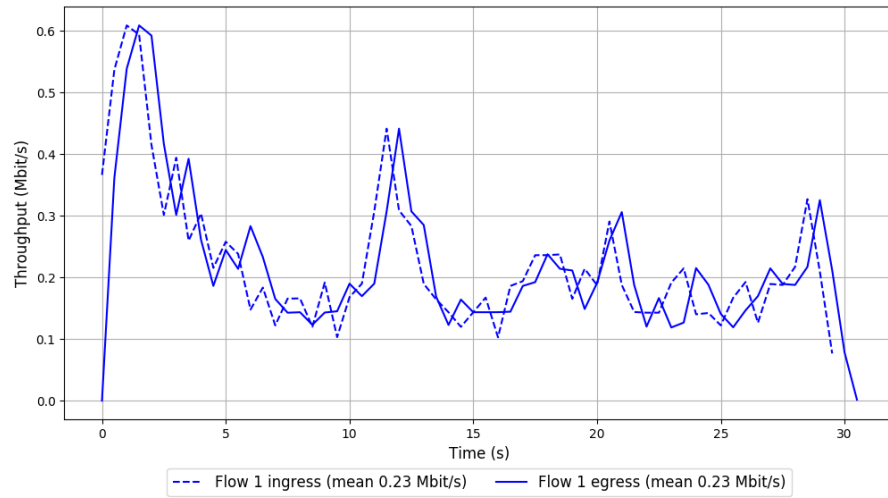
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.888 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

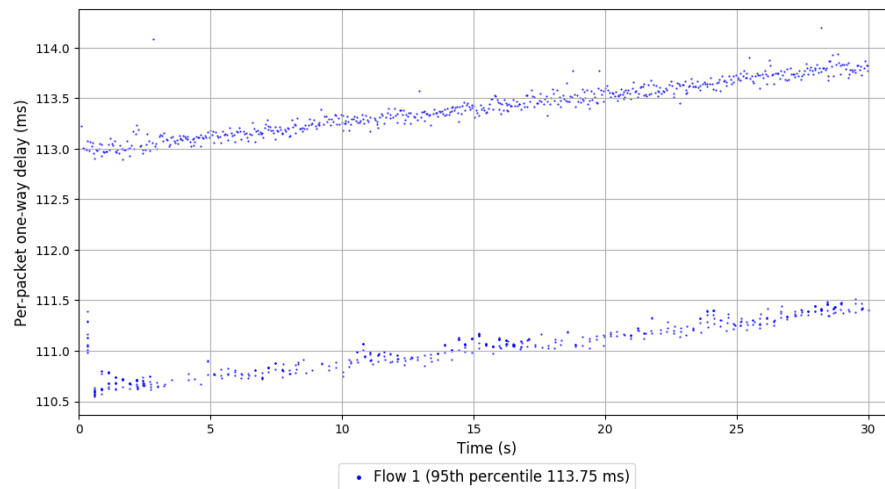
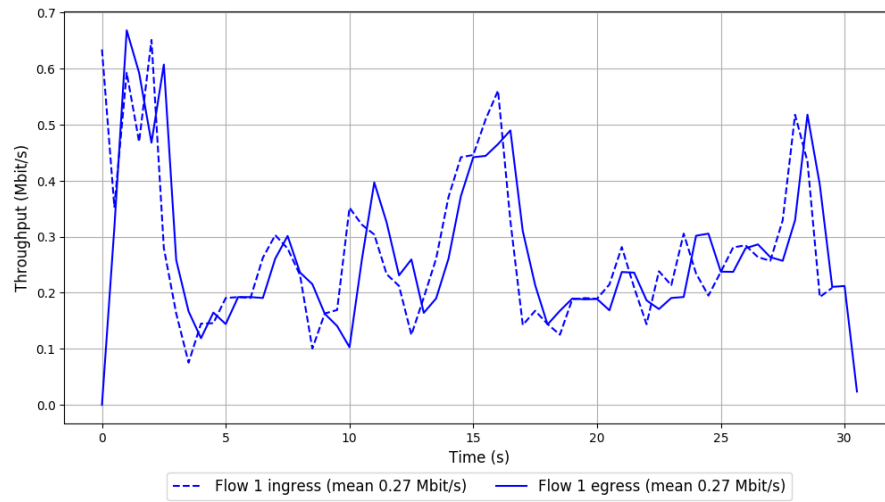


Run 3: Statistics of Sprout

Start at: 2018-06-18 08:33:11
End at: 2018-06-18 08:33:41
Local clock offset: 33.434 ms
Remote clock offset: 25.005 ms

Below is generated by plot.py at 2018-06-18 12:11:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 113.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 113.747 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-06-18 08:54:11

End at: 2018-06-18 08:54:41

Local clock offset: 8.571 ms

Remote clock offset: 30.76 ms

Below is generated by plot.py at 2018-06-18 12:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

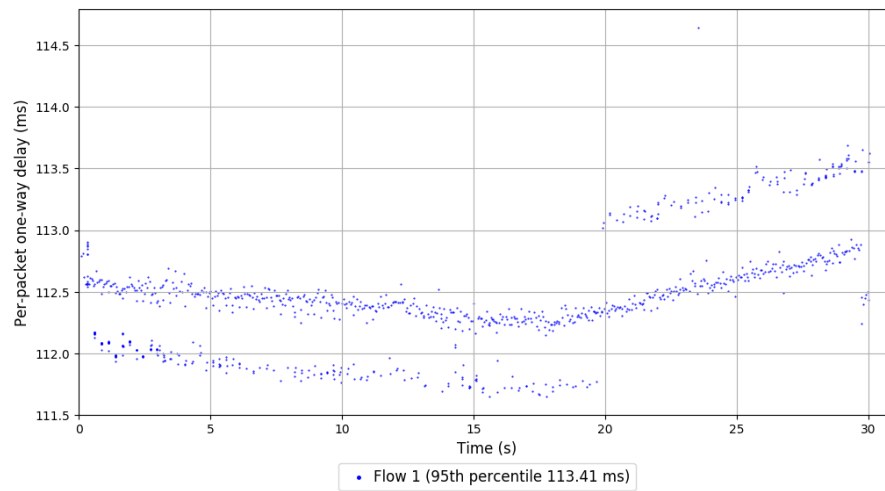
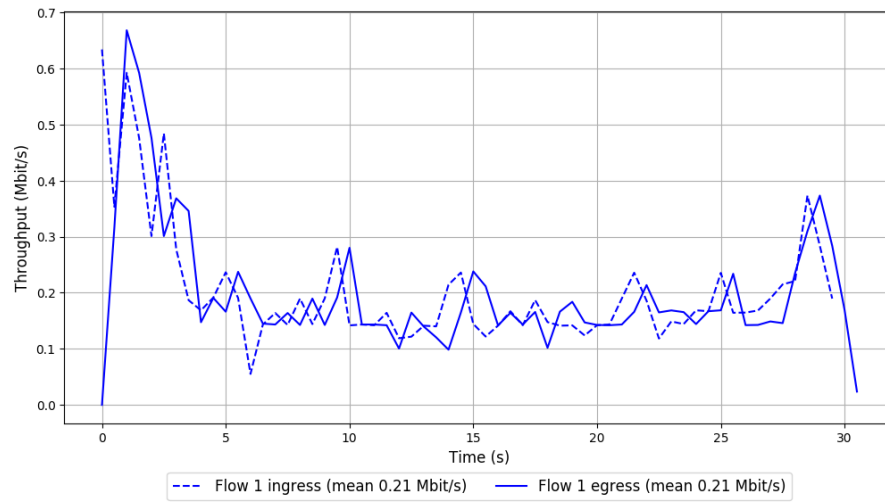
-- Flow 1:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-18 09:15:06

End at: 2018-06-18 09:15:36

Local clock offset: 7.066 ms

Remote clock offset: 6.721 ms

Below is generated by plot.py at 2018-06-18 12:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 112.392 ms

Loss rate: 0.00%

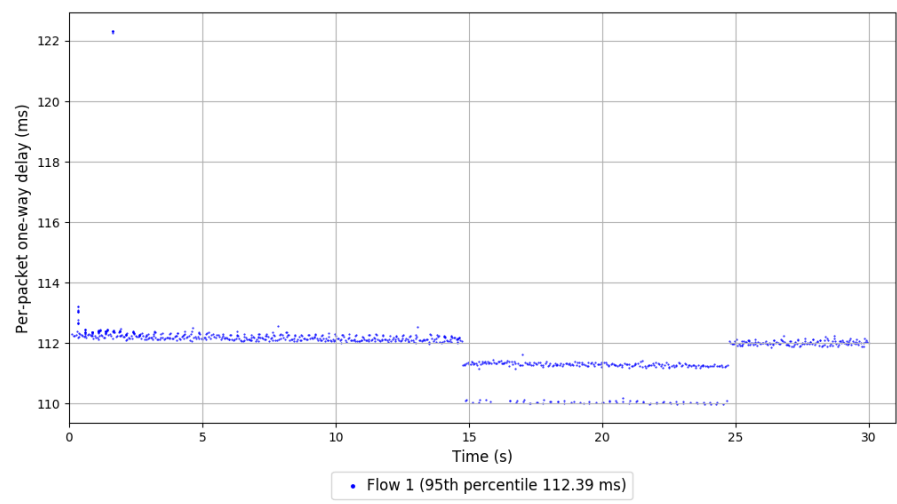
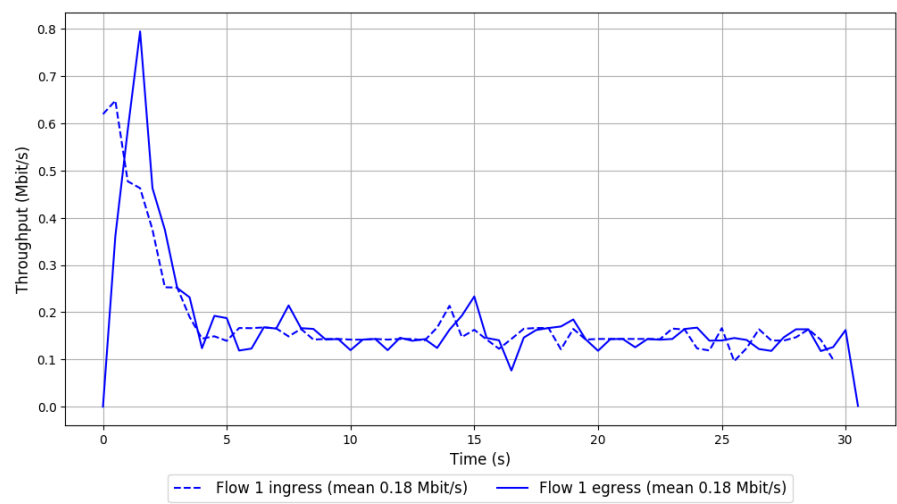
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 112.392 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-18 09:35:36

End at: 2018-06-18 09:36:06

Local clock offset: 3.575 ms

Remote clock offset: 3.763 ms

Below is generated by plot.py at 2018-06-18 12:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 110.628 ms

Loss rate: 0.00%

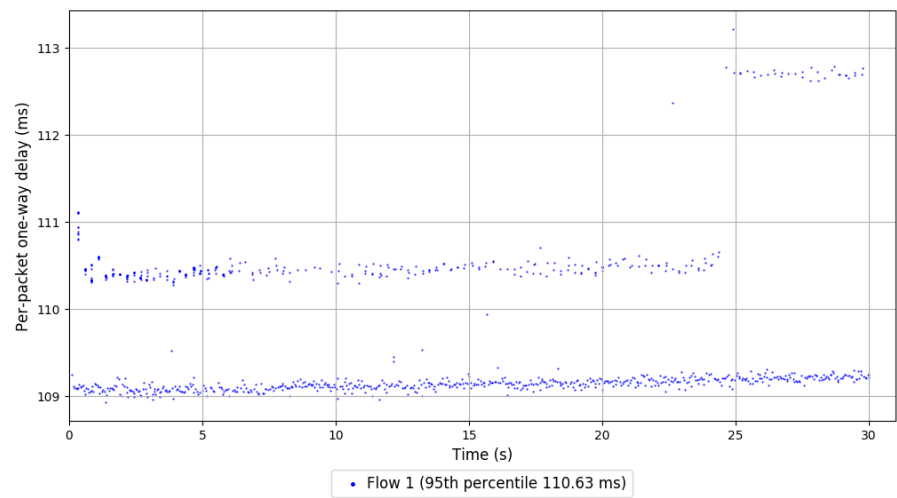
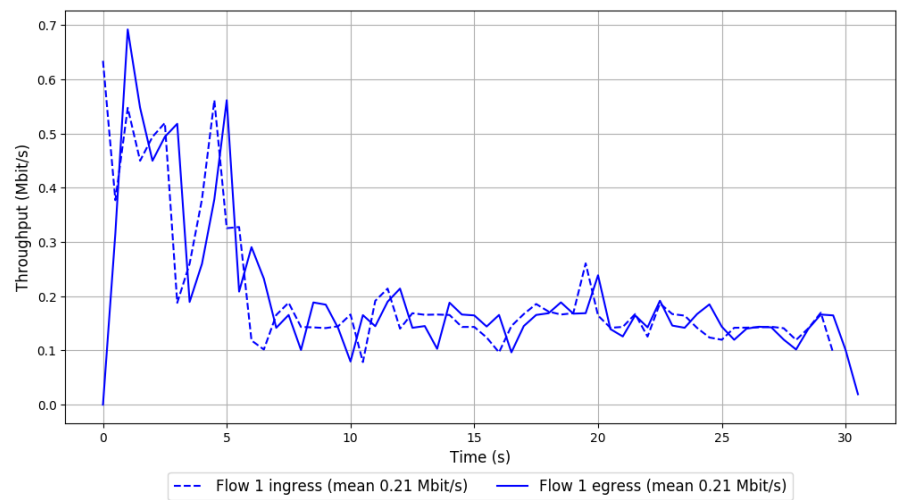
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 110.628 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-06-18 09:56:39

End at: 2018-06-18 09:57:09

Local clock offset: 1.623 ms

Remote clock offset: 2.706 ms

Below is generated by plot.py at 2018-06-18 12:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 111.043 ms

Loss rate: 0.00%

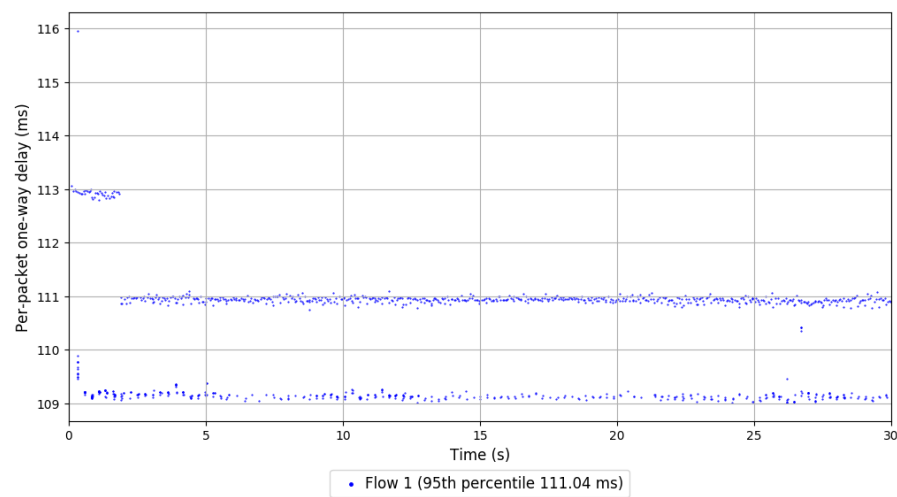
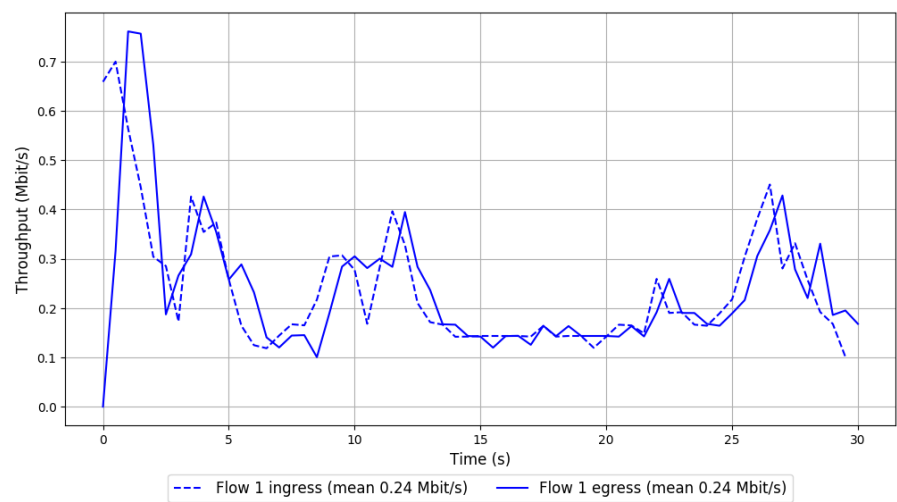
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 111.043 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-18 10:17:07

End at: 2018-06-18 10:17:37

Local clock offset: 1.787 ms

Remote clock offset: 1.241 ms

Below is generated by plot.py at 2018-06-18 12:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 113.207 ms

Loss rate: 0.00%

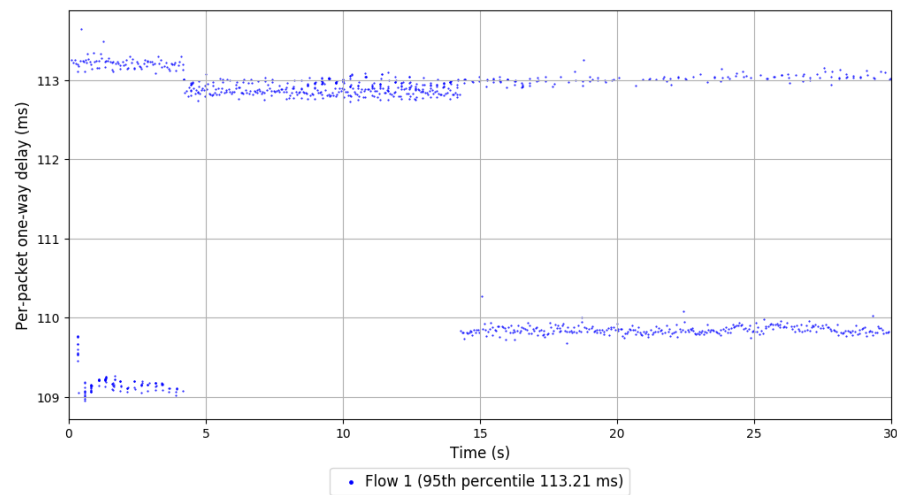
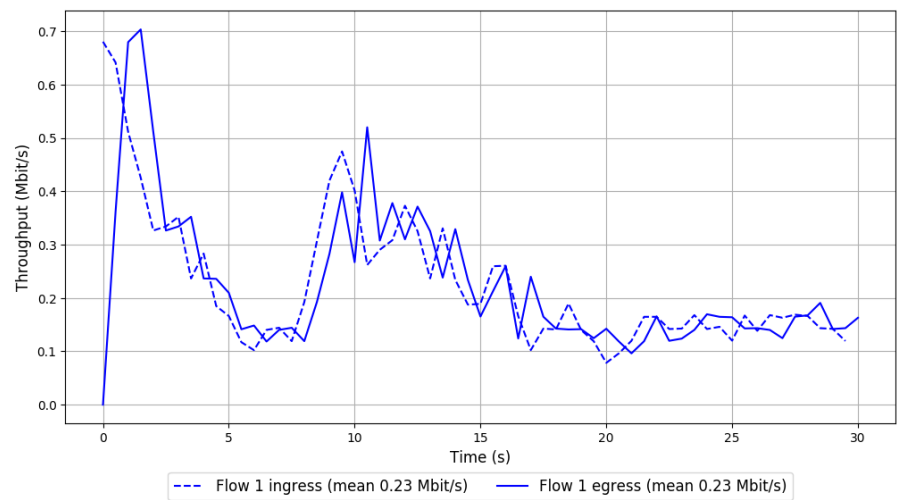
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 113.207 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-18 10:38:03

End at: 2018-06-18 10:38:33

Local clock offset: 0.756 ms

Remote clock offset: 1.789 ms

Below is generated by plot.py at 2018-06-18 12:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 113.351 ms

Loss rate: 0.00%

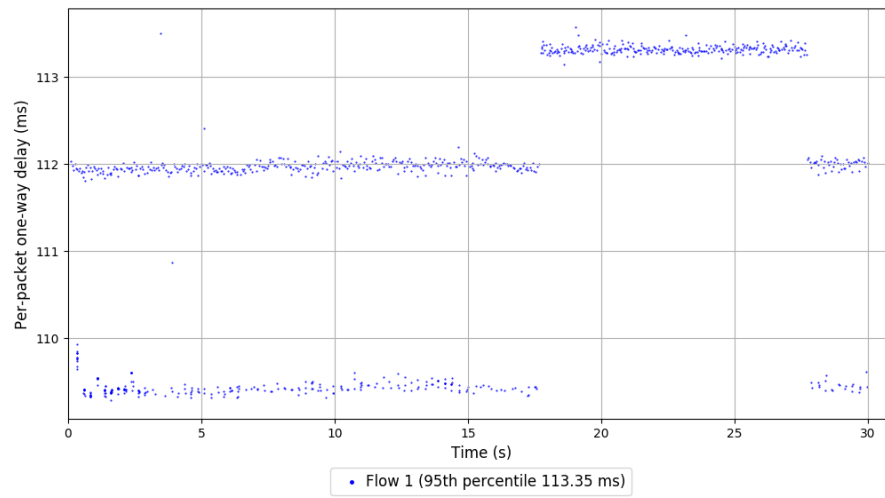
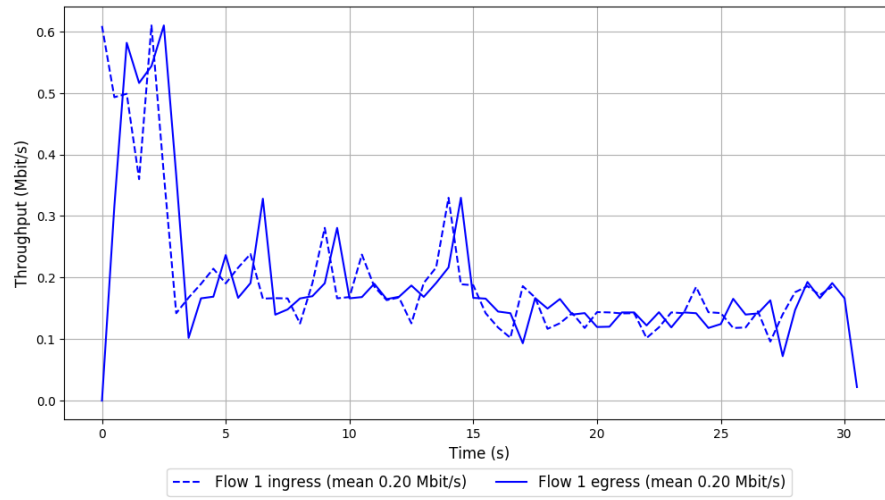
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 113.351 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-18 10:58:55

End at: 2018-06-18 10:59:25

Local clock offset: 0.62 ms

Remote clock offset: 0.534 ms

Below is generated by plot.py at 2018-06-18 12:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 115.028 ms

Loss rate: 0.00%

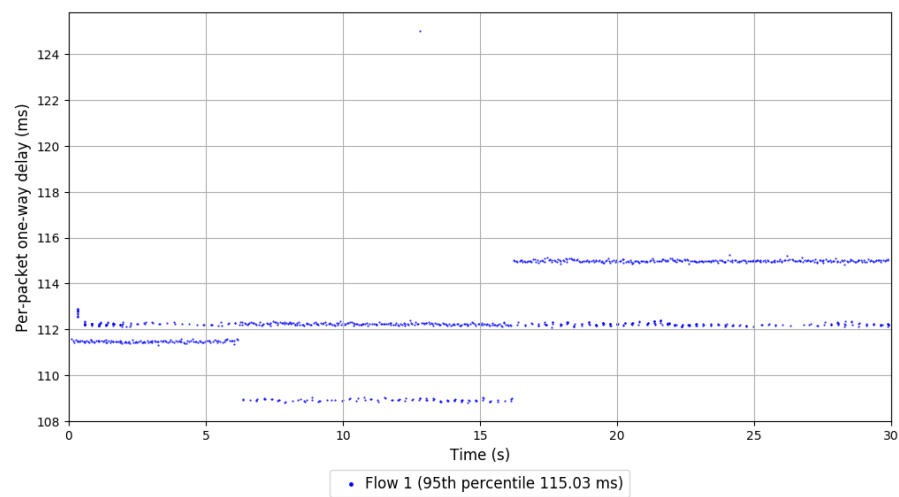
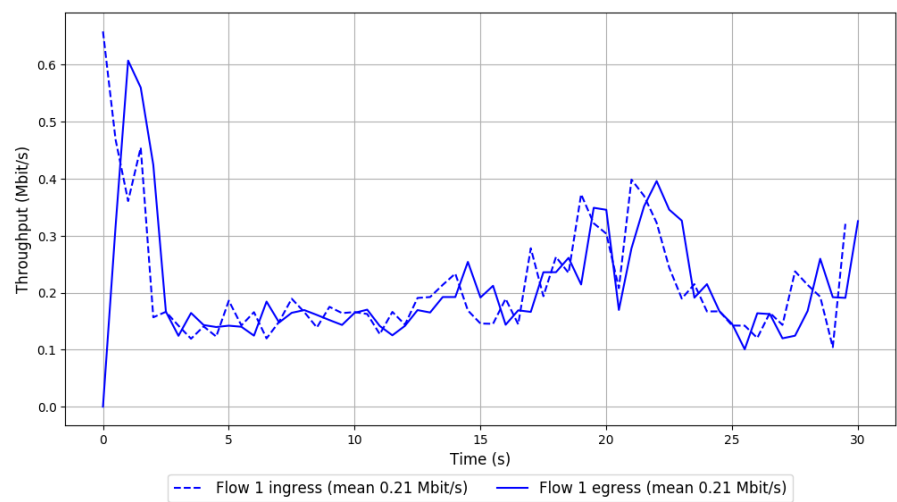
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 115.028 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-18 07:39:18

End at: 2018-06-18 07:39:48

Local clock offset: 33.081 ms

Remote clock offset: 26.511 ms

Below is generated by plot.py at 2018-06-18 12:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.06 Mbit/s

95th percentile per-packet one-way delay: 113.101 ms

Loss rate: 0.00%

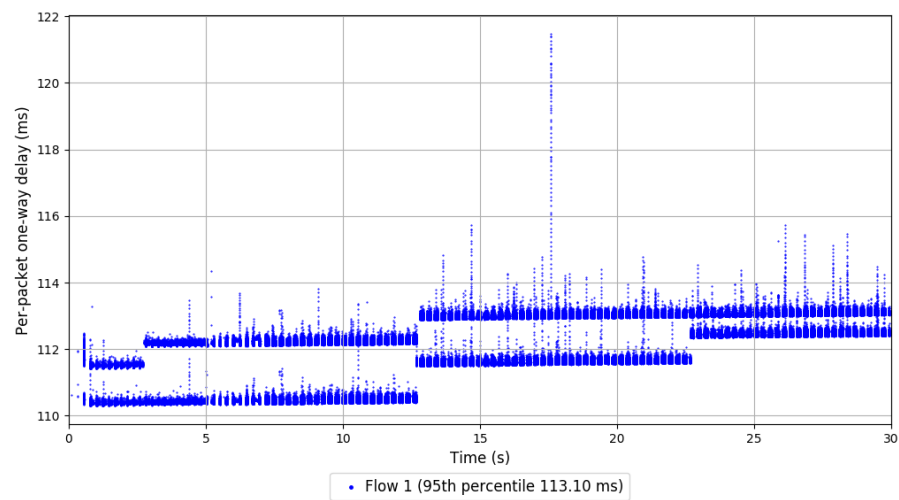
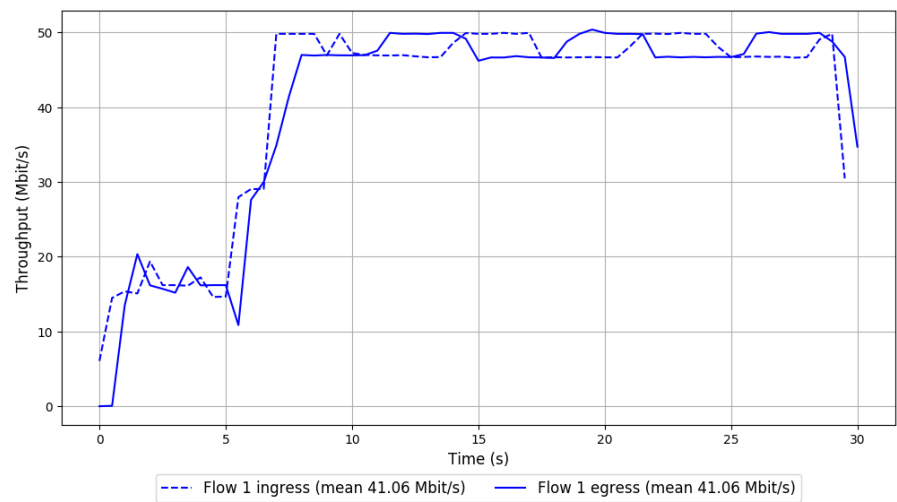
-- Flow 1:

Average throughput: 41.06 Mbit/s

95th percentile per-packet one-way delay: 113.101 ms

Loss rate: 0.00%

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

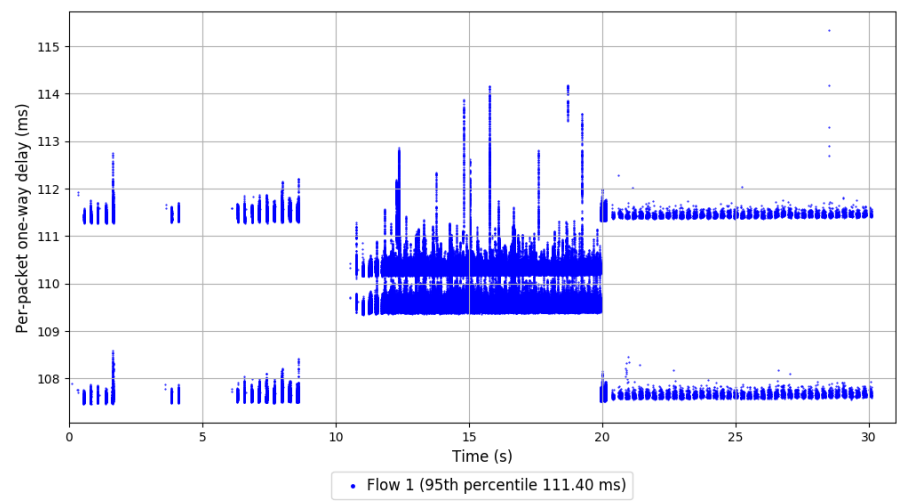
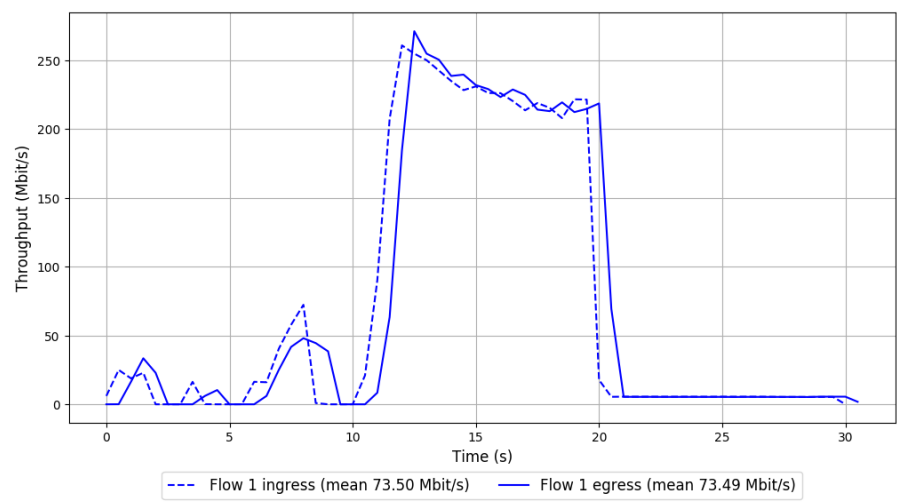


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-18 07:59:41
End at: 2018-06-18 08:00:11
Local clock offset: 23.343 ms
Remote clock offset: 31.961 ms

Below is generated by plot.py at 2018-06-18 12:11:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.49 Mbit/s
95th percentile per-packet one-way delay: 111.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.49 Mbit/s
95th percentile per-packet one-way delay: 111.403 ms
Loss rate: 0.00%

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

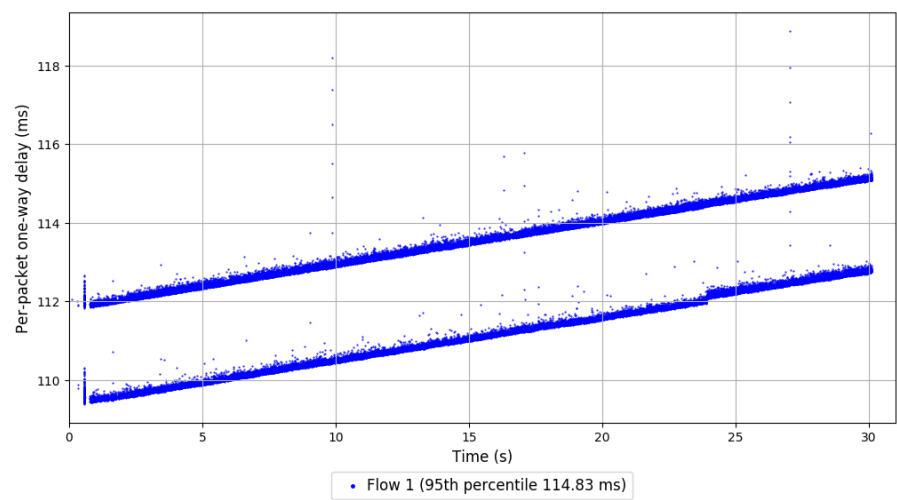
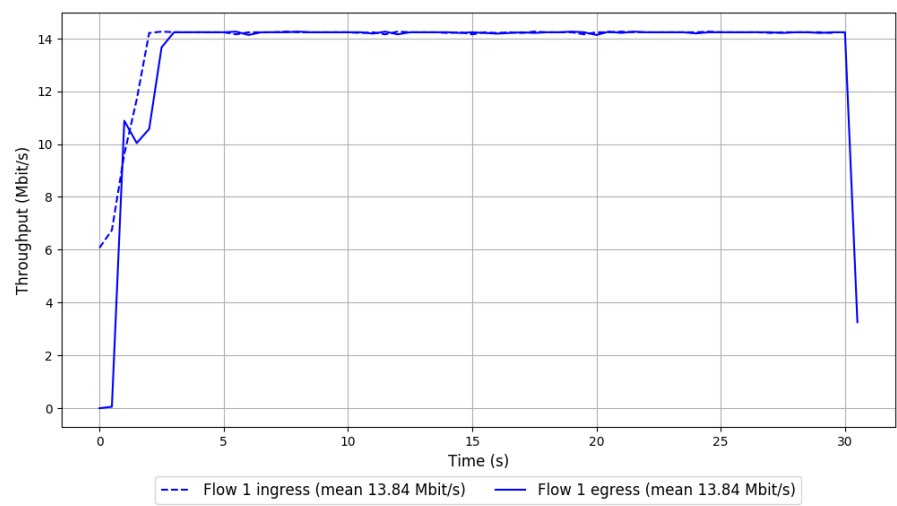


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-18 08:20:37
End at: 2018-06-18 08:21:07
Local clock offset: 23.623 ms
Remote clock offset: 60.125 ms

Below is generated by plot.py at 2018-06-18 12:11:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 114.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 114.830 ms
Loss rate: 0.00%

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

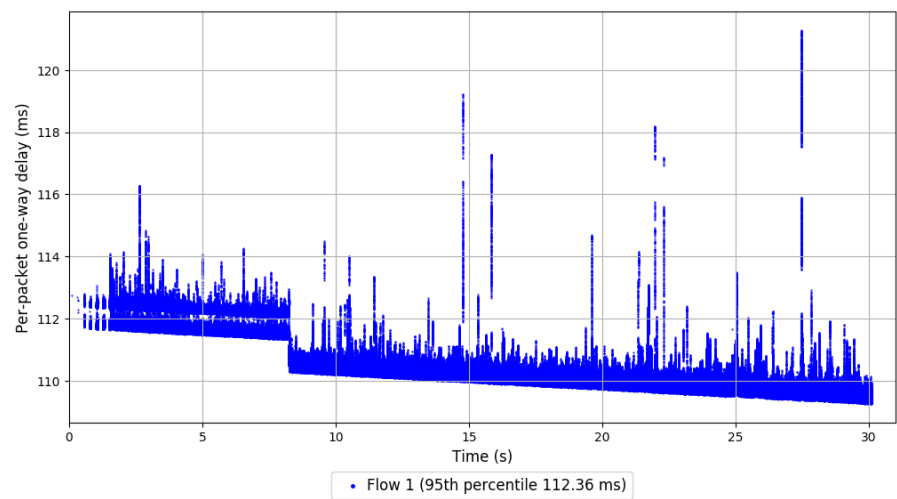
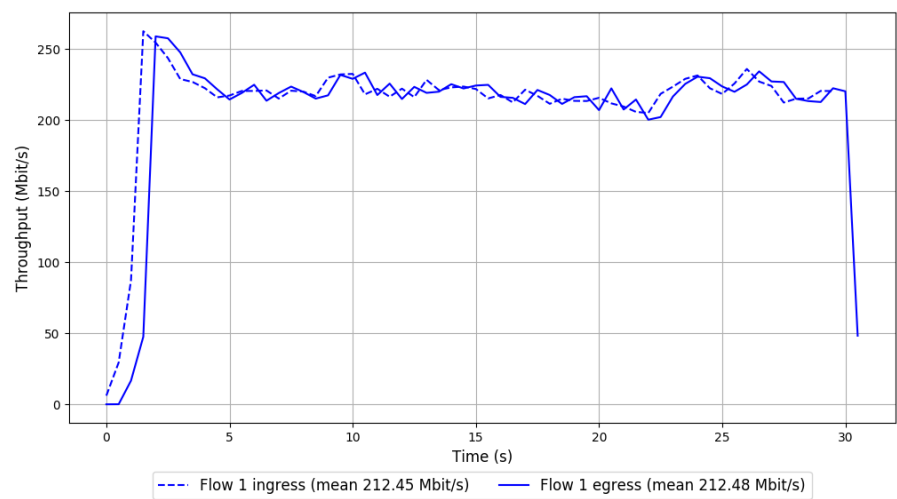


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-18 08:41:13
End at: 2018-06-18 08:41:43
Local clock offset: 25.453 ms
Remote clock offset: 23.681 ms

Below is generated by plot.py at 2018-06-18 12:11:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.48 Mbit/s
95th percentile per-packet one-way delay: 112.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.48 Mbit/s
95th percentile per-packet one-way delay: 112.357 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-18 09:02:15

End at: 2018-06-18 09:02:45

Local clock offset: 8.21 ms

Remote clock offset: 14.29 ms

Below is generated by plot.py at 2018-06-18 12:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.57 Mbit/s

95th percentile per-packet one-way delay: 114.399 ms

Loss rate: 0.01%

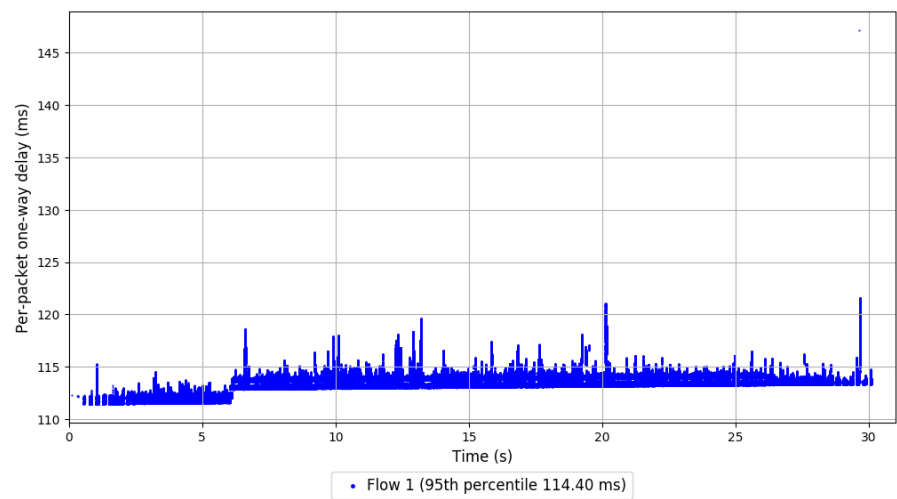
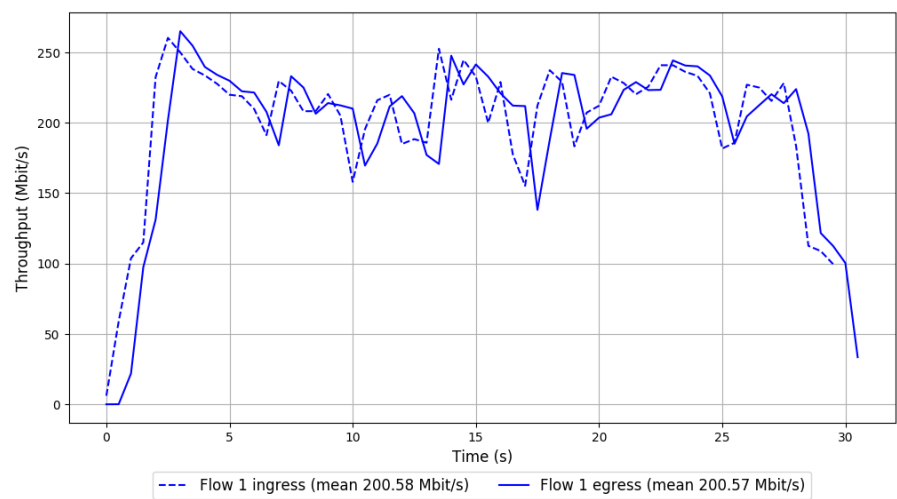
-- Flow 1:

Average throughput: 200.57 Mbit/s

95th percentile per-packet one-way delay: 114.399 ms

Loss rate: 0.01%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-18 09:23:10

End at: 2018-06-18 09:23:40

Local clock offset: 3.982 ms

Remote clock offset: 6.879 ms

Below is generated by plot.py at 2018-06-18 12:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.35 Mbit/s

95th percentile per-packet one-way delay: 113.045 ms

Loss rate: 0.00%

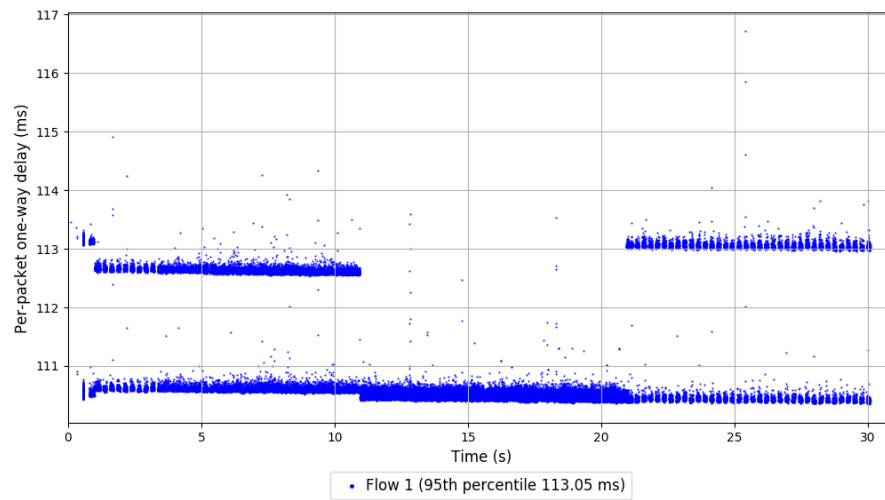
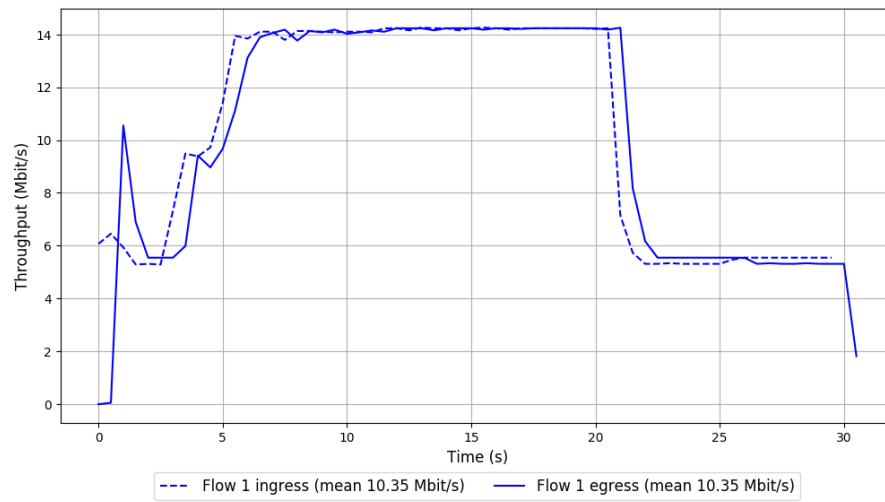
-- Flow 1:

Average throughput: 10.35 Mbit/s

95th percentile per-packet one-way delay: 113.045 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-18 09:43:44

End at: 2018-06-18 09:44:14

Local clock offset: 4.168 ms

Remote clock offset: 2.522 ms

Below is generated by plot.py at 2018-06-18 12:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.49 Mbit/s

95th percentile per-packet one-way delay: 111.599 ms

Loss rate: 0.00%

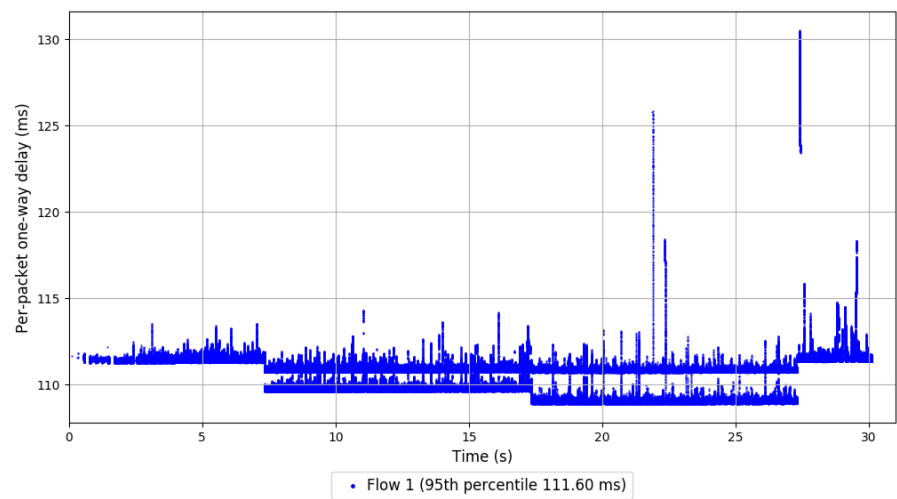
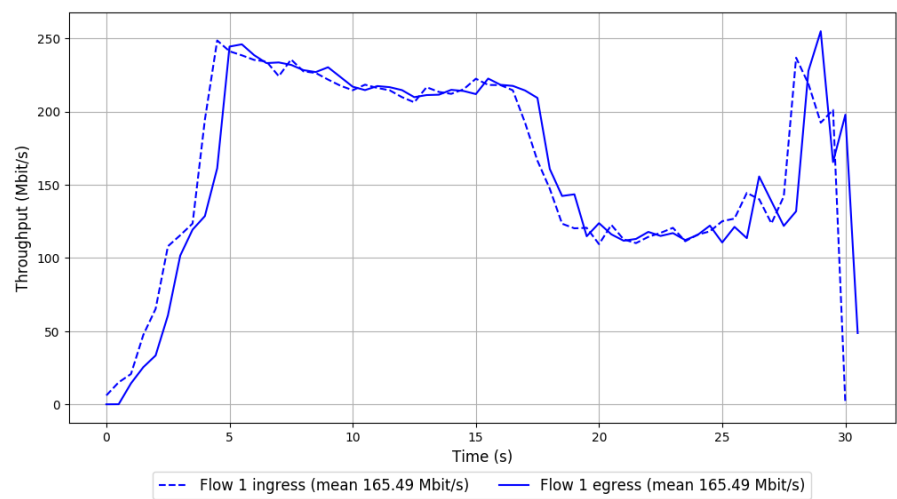
-- Flow 1:

Average throughput: 165.49 Mbit/s

95th percentile per-packet one-way delay: 111.599 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

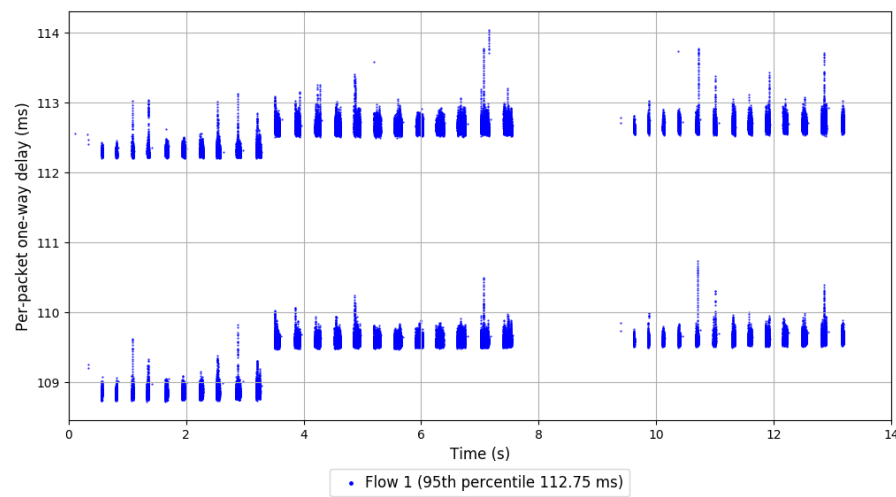
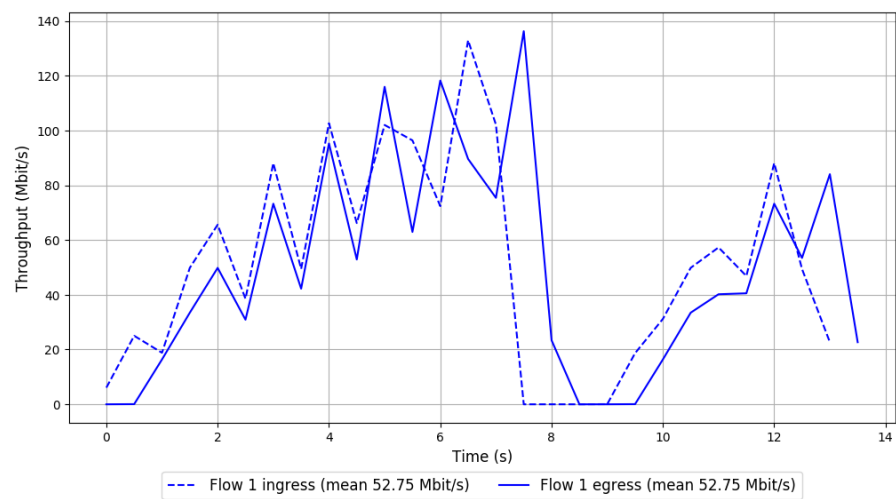
Start at: 2018-06-18 10:04:37

End at: 2018-06-18 10:05:08

Local clock offset: 1.583 ms

Remote clock offset: 2.623 ms

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-18 10:25:16

End at: 2018-06-18 10:25:46

Local clock offset: 0.034 ms

Remote clock offset: 0.802 ms

Below is generated by plot.py at 2018-06-18 12:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.47 Mbit/s

95th percentile per-packet one-way delay: 113.667 ms

Loss rate: 0.00%

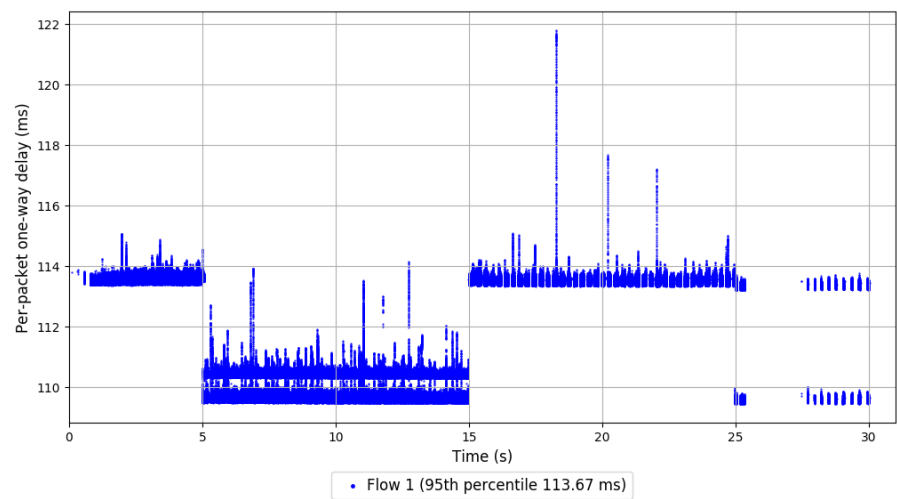
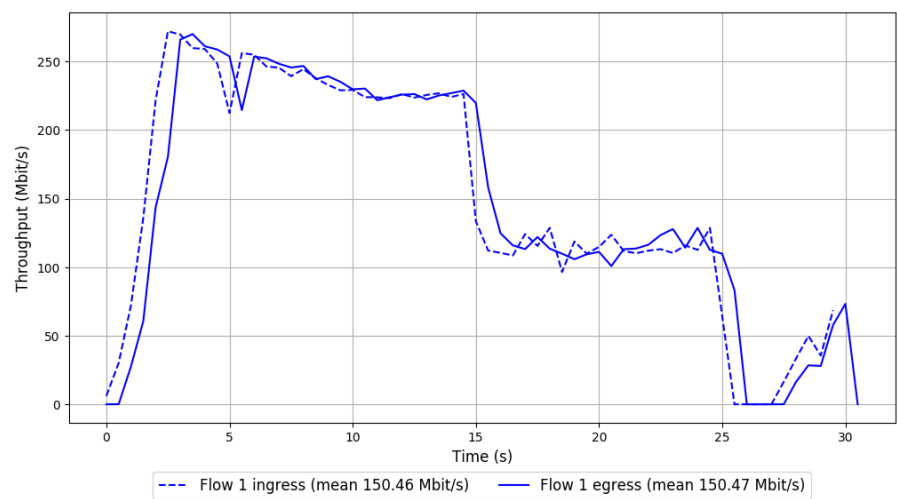
-- Flow 1:

Average throughput: 150.47 Mbit/s

95th percentile per-packet one-way delay: 113.667 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-18 10:46:07

End at: 2018-06-18 10:46:37

Local clock offset: 0.824 ms

Remote clock offset: 0.709 ms

Below is generated by plot.py at 2018-06-18 12:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 112.129 ms

Loss rate: 0.00%

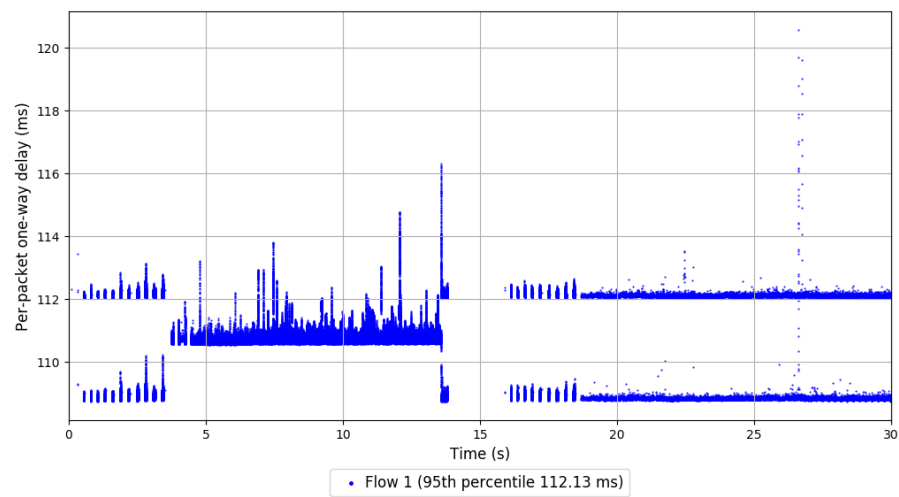
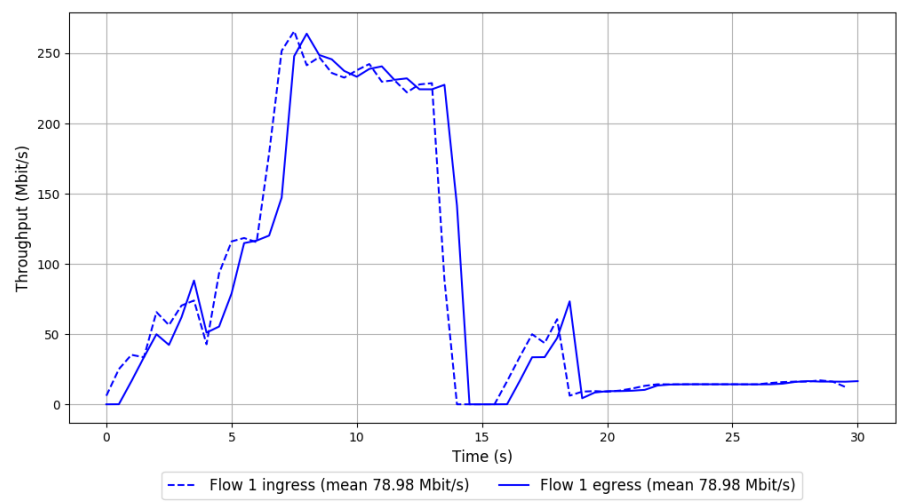
-- Flow 1:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 112.129 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-18 07:53:52

End at: 2018-06-18 07:54:22

Local clock offset: 20.58 ms

Remote clock offset: 30.106 ms

Below is generated by plot.py at 2018-06-18 12:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 112.986 ms

Loss rate: 0.00%

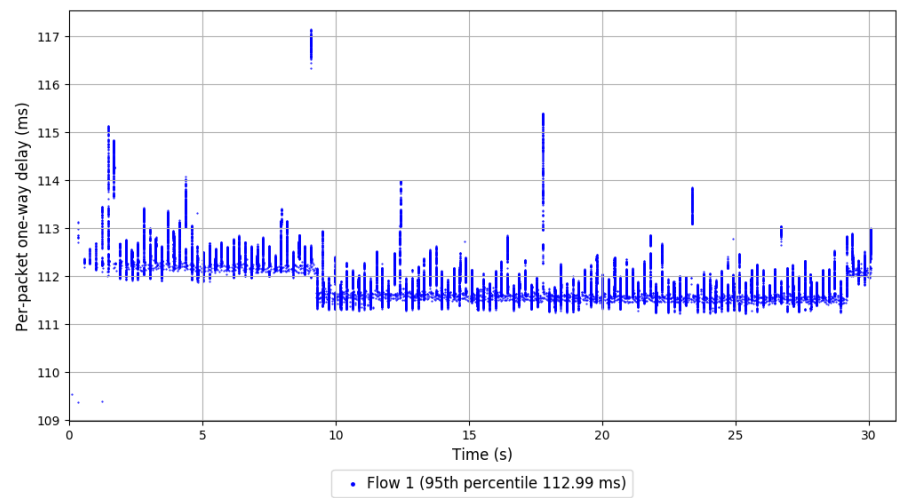
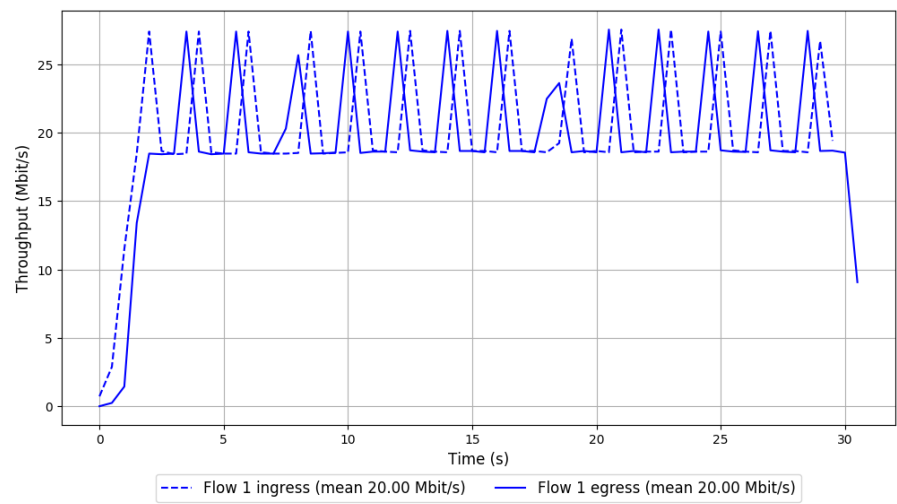
-- Flow 1:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 112.986 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

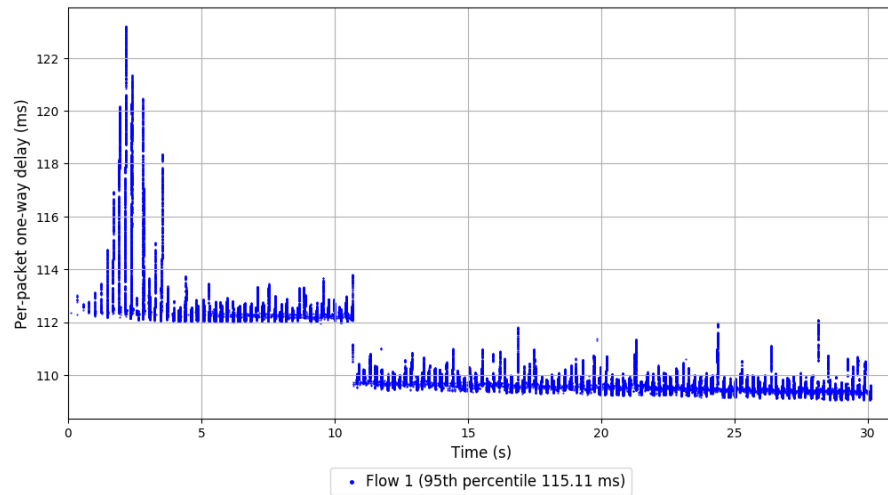
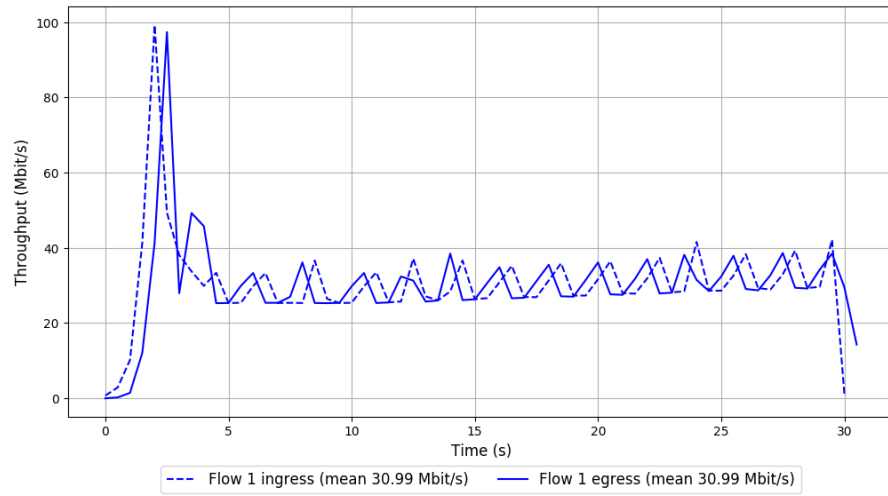


Run 2: Statistics of TCP Vegas

Start at: 2018-06-18 08:14:40
End at: 2018-06-18 08:15:10
Local clock offset: 19.371 ms
Remote clock offset: 51.719 ms

Below is generated by plot.py at 2018-06-18 12:11:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 115.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 115.105 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

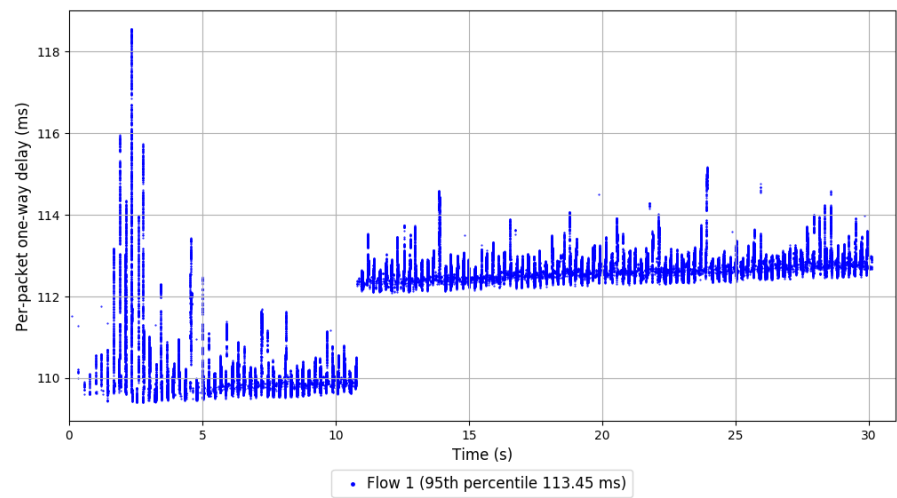
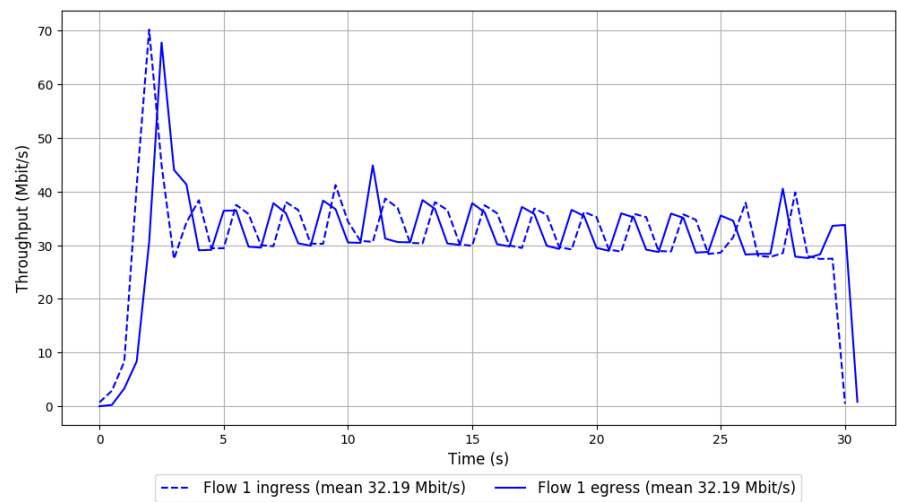


Run 3: Statistics of TCP Vegas

Start at: 2018-06-18 08:35:30
End at: 2018-06-18 08:36:00
Local clock offset: 37.171 ms
Remote clock offset: 24.183 ms

Below is generated by plot.py at 2018-06-18 12:11:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 113.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 113.446 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

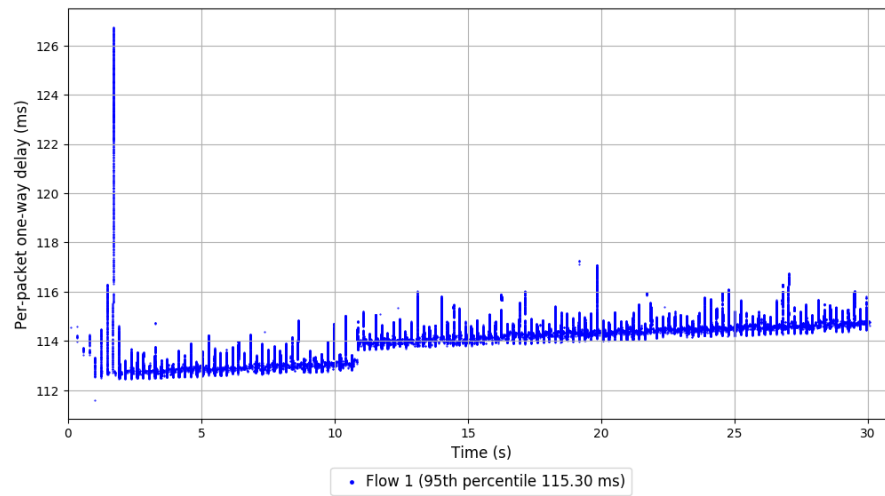
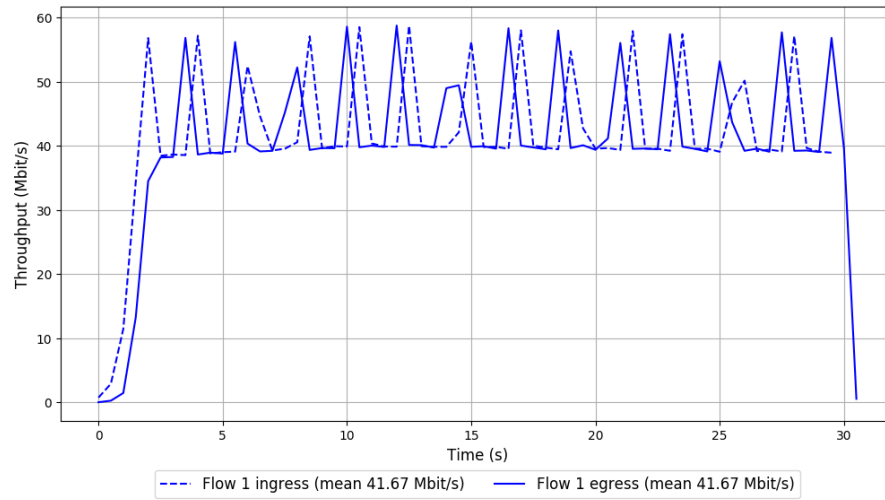


Run 4: Statistics of TCP Vegas

Start at: 2018-06-18 08:56:30
End at: 2018-06-18 08:57:00
Local clock offset: 7.974 ms
Remote clock offset: 25.453 ms

Below is generated by plot.py at 2018-06-18 12:11:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.67 Mbit/s
95th percentile per-packet one-way delay: 115.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.67 Mbit/s
95th percentile per-packet one-way delay: 115.297 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-18 09:17:25

End at: 2018-06-18 09:17:55

Local clock offset: 7.225 ms

Remote clock offset: 6.866 ms

Below is generated by plot.py at 2018-06-18 12:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.55 Mbit/s

95th percentile per-packet one-way delay: 112.130 ms

Loss rate: 0.00%

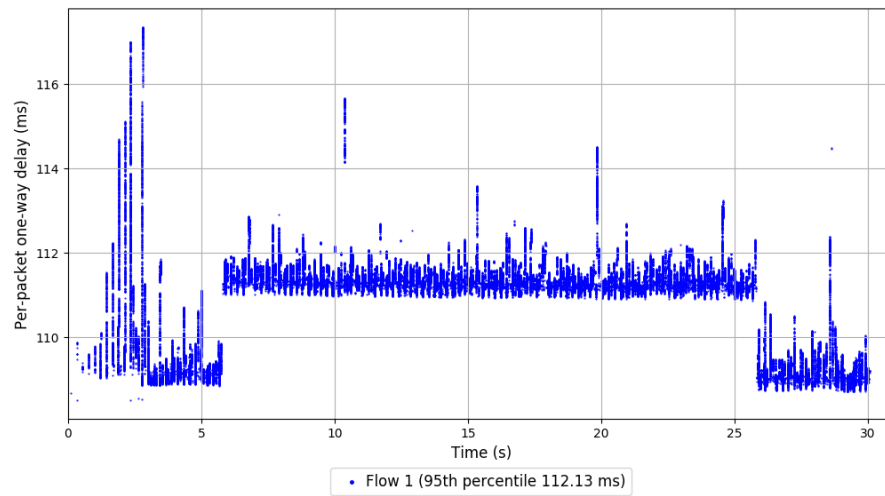
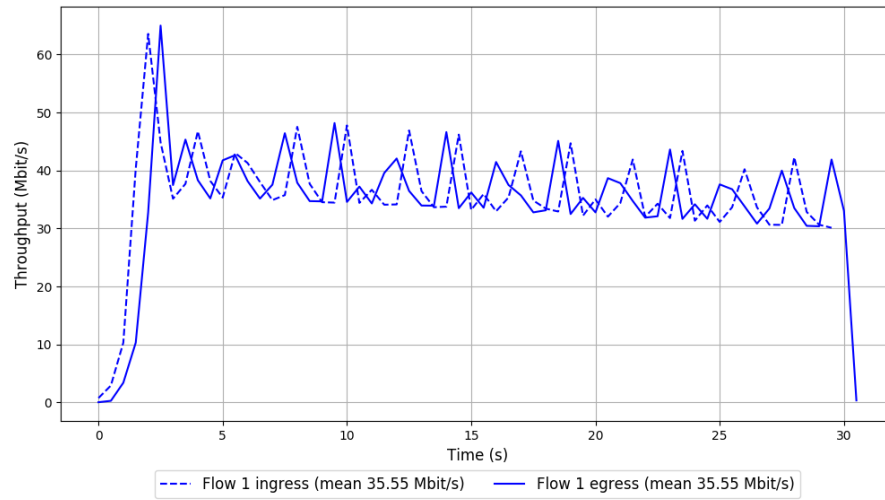
-- Flow 1:

Average throughput: 35.55 Mbit/s

95th percentile per-packet one-way delay: 112.130 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-18 09:37:55

End at: 2018-06-18 09:38:25

Local clock offset: 3.581 ms

Remote clock offset: 3.229 ms

Below is generated by plot.py at 2018-06-18 12:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.93 Mbit/s

95th percentile per-packet one-way delay: 113.487 ms

Loss rate: 0.00%

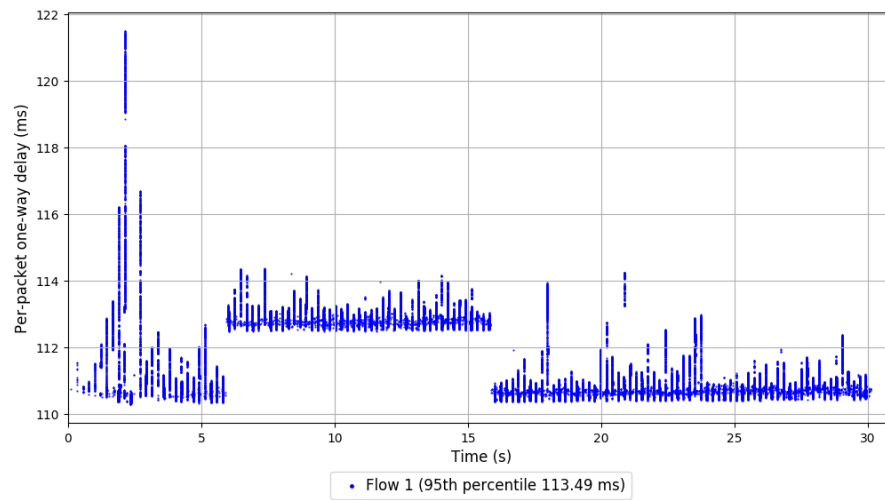
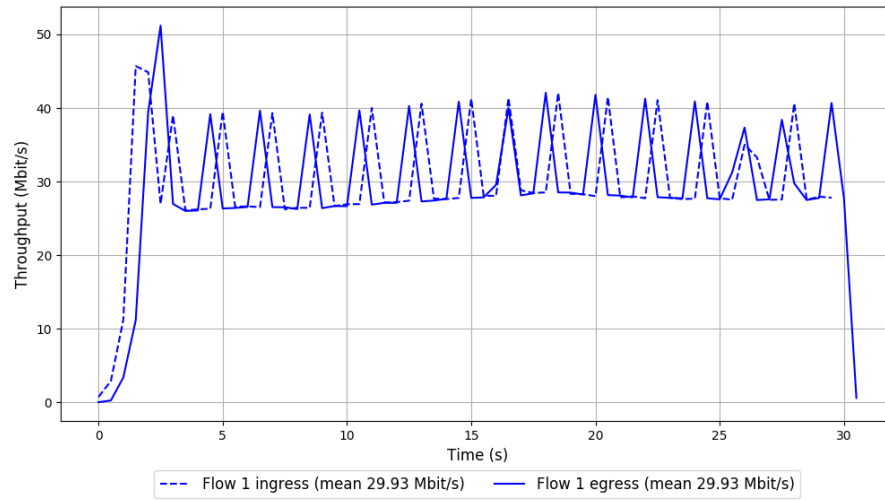
-- Flow 1:

Average throughput: 29.93 Mbit/s

95th percentile per-packet one-way delay: 113.487 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-18 09:58:58

End at: 2018-06-18 09:59:28

Local clock offset: 1.223 ms

Remote clock offset: 2.516 ms

Below is generated by plot.py at 2018-06-18 12:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.49 Mbit/s

95th percentile per-packet one-way delay: 112.967 ms

Loss rate: 0.00%

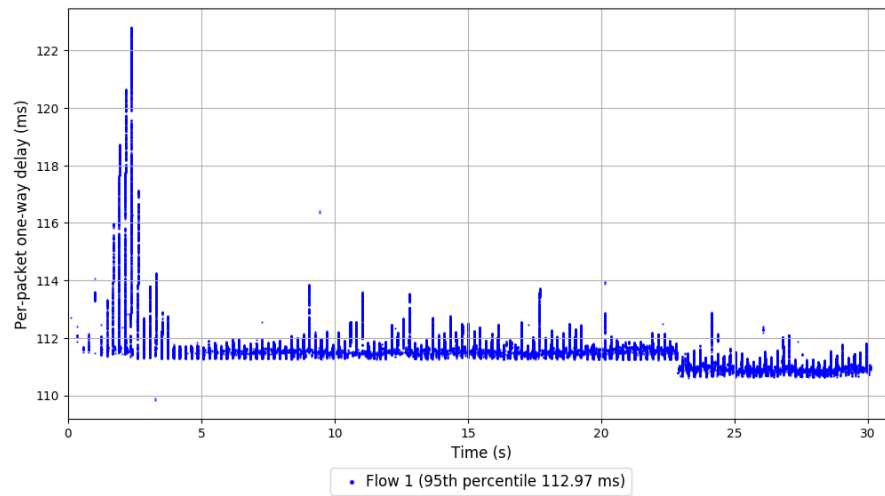
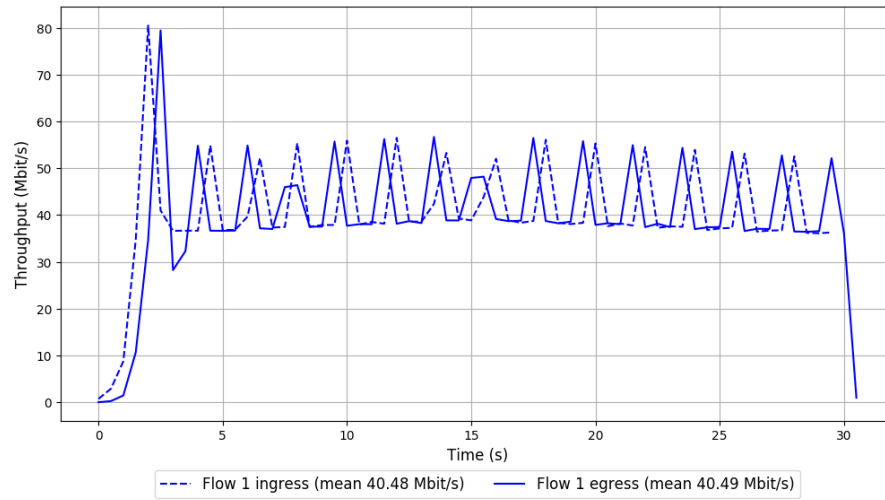
-- Flow 1:

Average throughput: 40.49 Mbit/s

95th percentile per-packet one-way delay: 112.967 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-18 10:19:26

End at: 2018-06-18 10:19:56

Local clock offset: 1.961 ms

Remote clock offset: 1.147 ms

Below is generated by plot.py at 2018-06-18 12:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.17 Mbit/s

95th percentile per-packet one-way delay: 113.511 ms

Loss rate: 0.00%

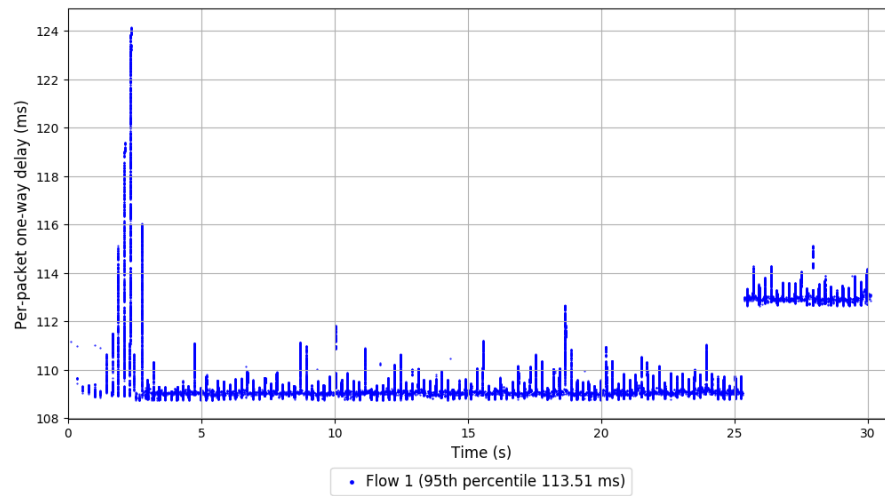
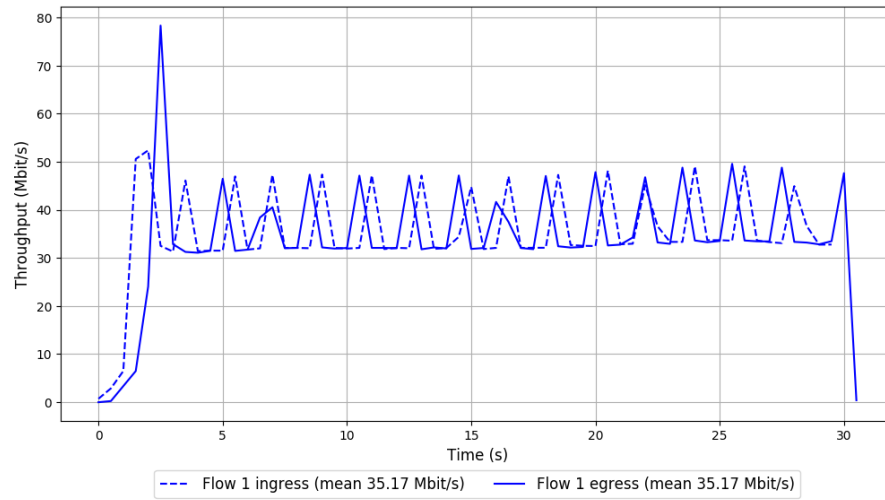
-- Flow 1:

Average throughput: 35.17 Mbit/s

95th percentile per-packet one-way delay: 113.511 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-18 10:40:22

End at: 2018-06-18 10:40:52

Local clock offset: 0.646 ms

Remote clock offset: 1.094 ms

Below is generated by plot.py at 2018-06-18 12:11:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 114.087 ms

Loss rate: 0.00%

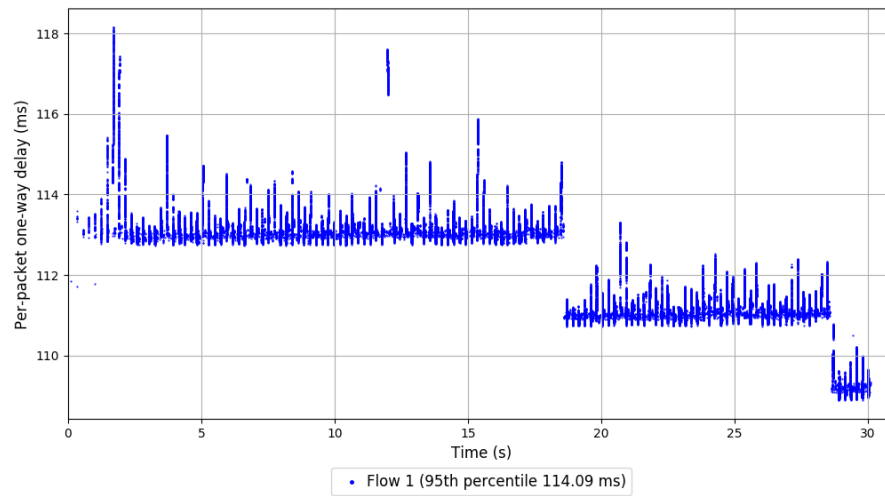
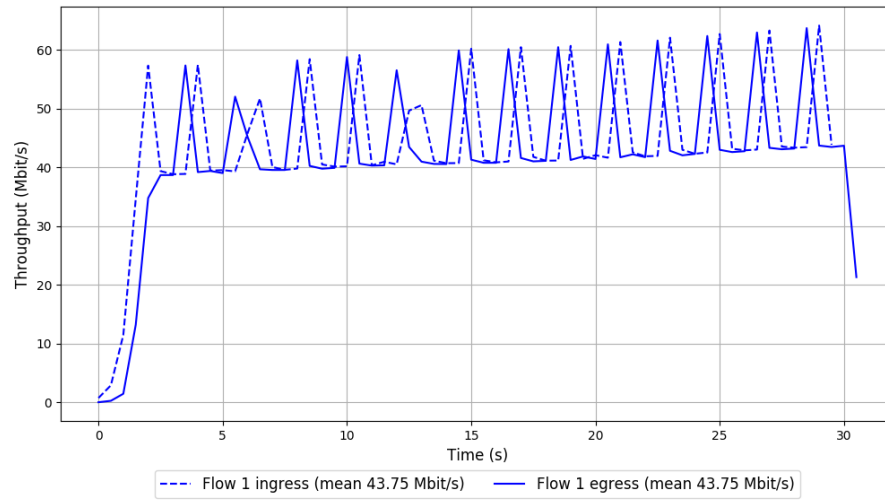
-- Flow 1:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 114.087 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-18 11:01:13

End at: 2018-06-18 11:01:43

Local clock offset: 0.366 ms

Remote clock offset: 0.896 ms

Below is generated by plot.py at 2018-06-18 12:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 117.057 ms

Loss rate: 0.00%

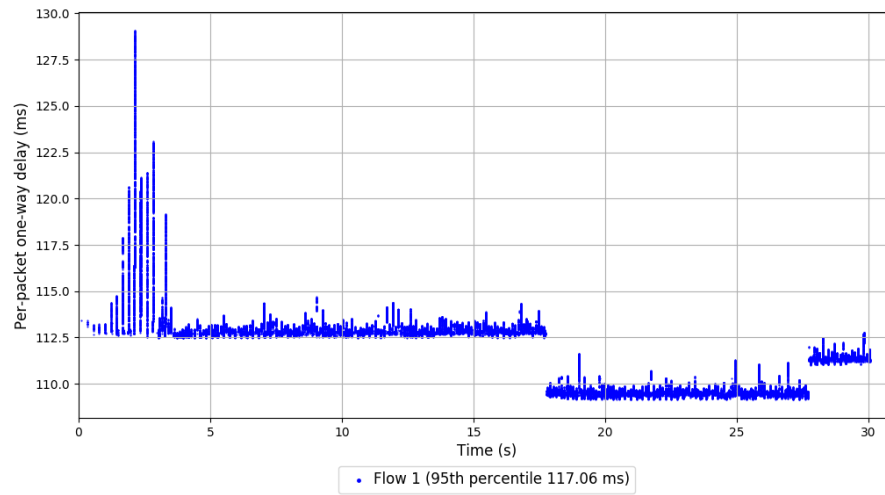
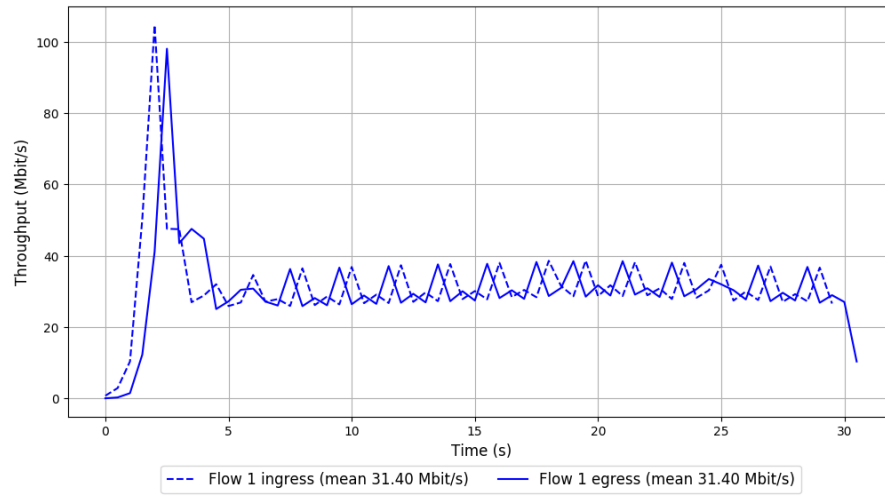
-- Flow 1:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 117.057 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

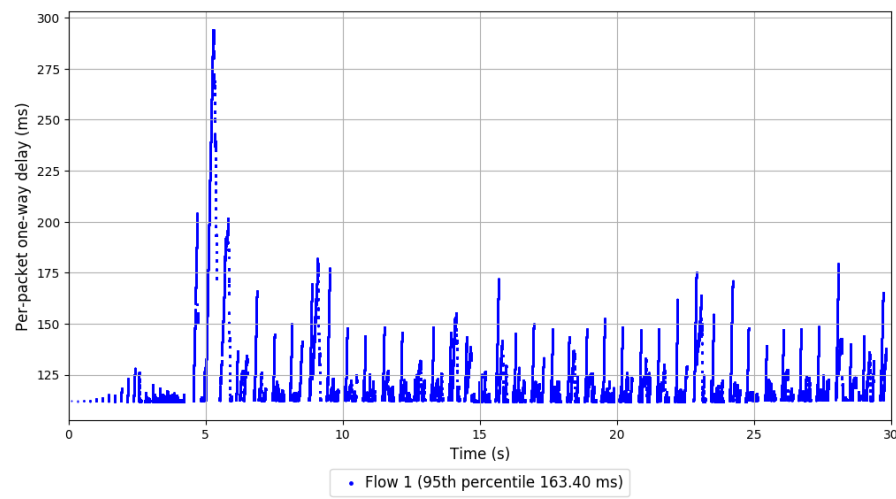
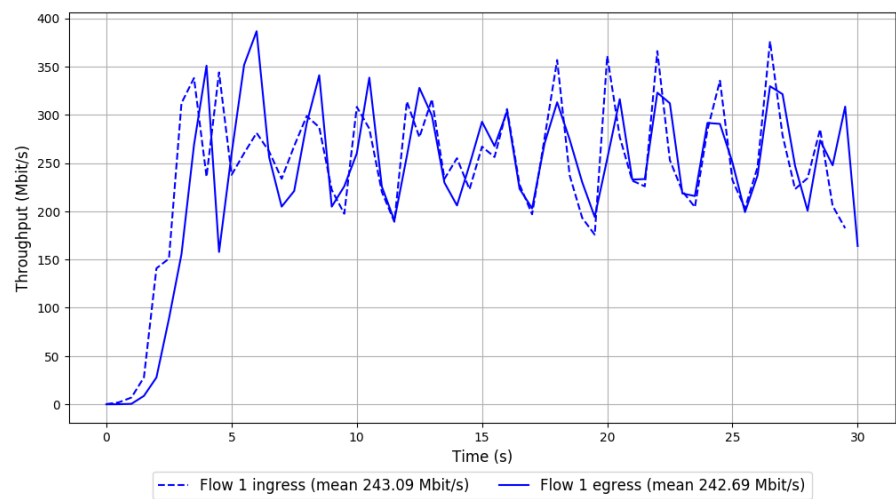


Run 1: Statistics of Verus

Start at: 2018-06-18 07:58:16
End at: 2018-06-18 07:58:46
Local clock offset: 21.07 ms
Remote clock offset: 31.037 ms

Below is generated by plot.py at 2018-06-18 12:14:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.69 Mbit/s
95th percentile per-packet one-way delay: 163.396 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 242.69 Mbit/s
95th percentile per-packet one-way delay: 163.396 ms
Loss rate: 0.16%

Run 1: Report of Verus — Data Link

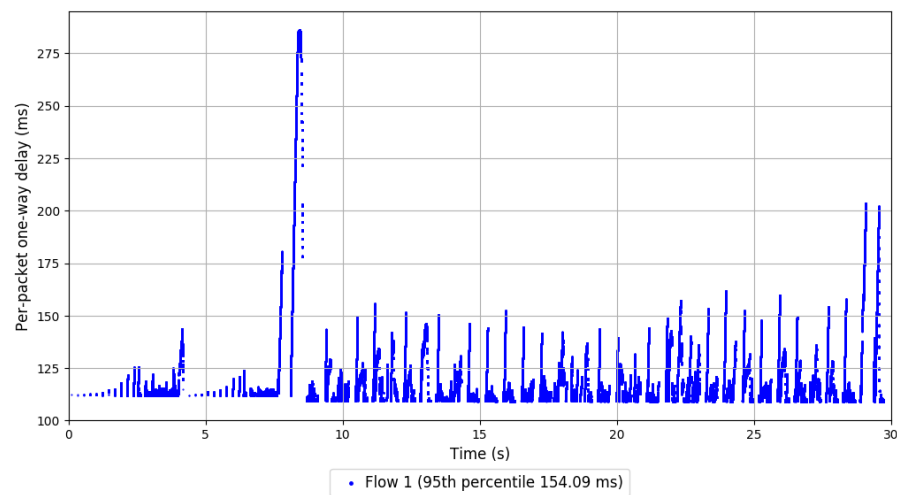
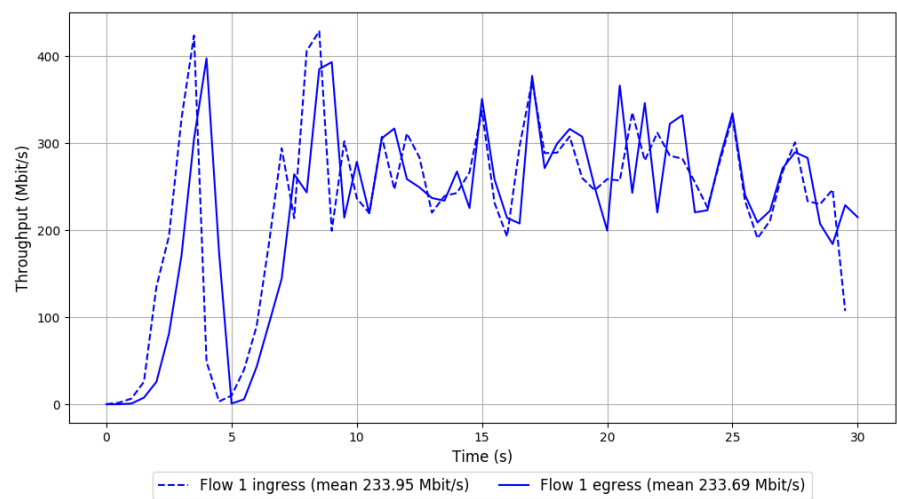


Run 2: Statistics of Verus

Start at: 2018-06-18 08:19:13
End at: 2018-06-18 08:19:43
Local clock offset: 21.603 ms
Remote clock offset: 59.055 ms

Below is generated by plot.py at 2018-06-18 12:14:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.69 Mbit/s
95th percentile per-packet one-way delay: 154.094 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 233.69 Mbit/s
95th percentile per-packet one-way delay: 154.094 ms
Loss rate: 0.12%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-18 08:39:54

End at: 2018-06-18 08:40:24

Local clock offset: 29.377 ms

Remote clock offset: 23.04 ms

Below is generated by plot.py at 2018-06-18 12:14:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.22 Mbit/s

95th percentile per-packet one-way delay: 131.861 ms

Loss rate: 0.00%

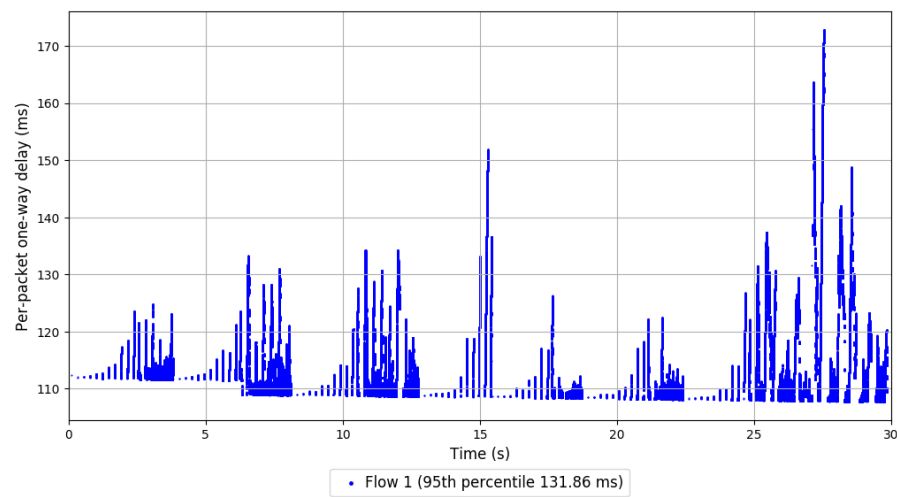
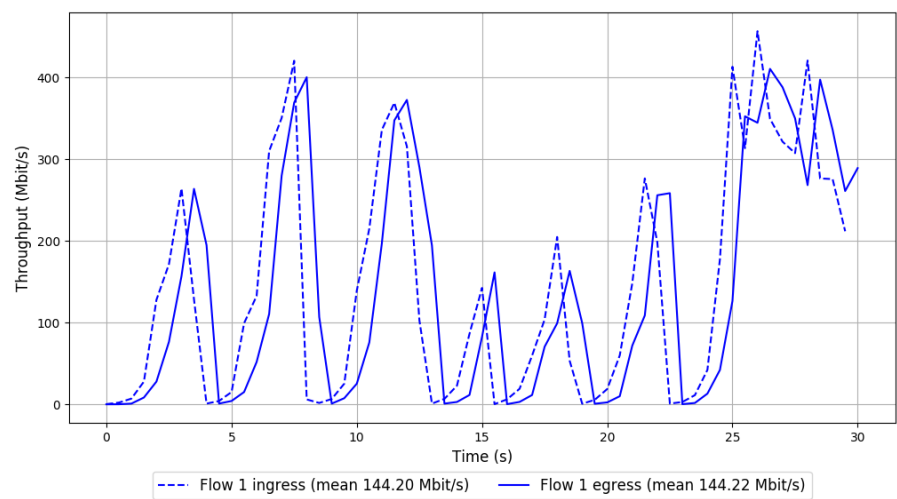
-- Flow 1:

Average throughput: 144.22 Mbit/s

95th percentile per-packet one-way delay: 131.861 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link

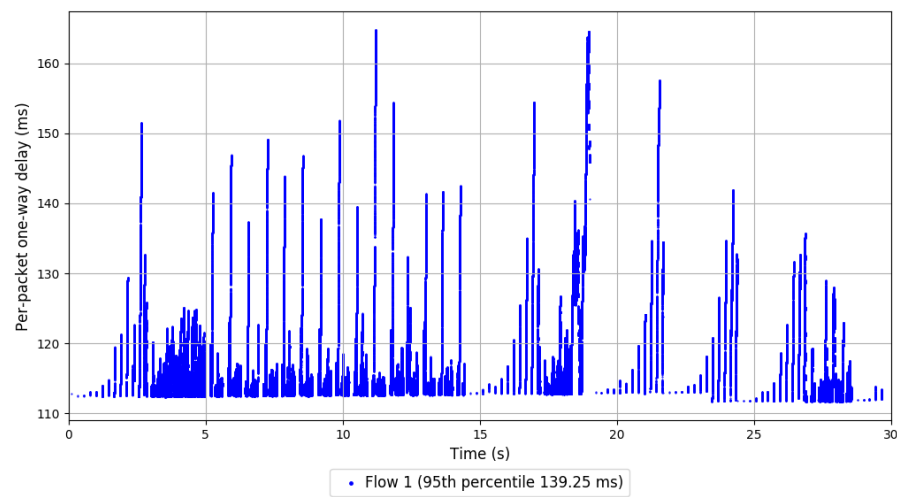
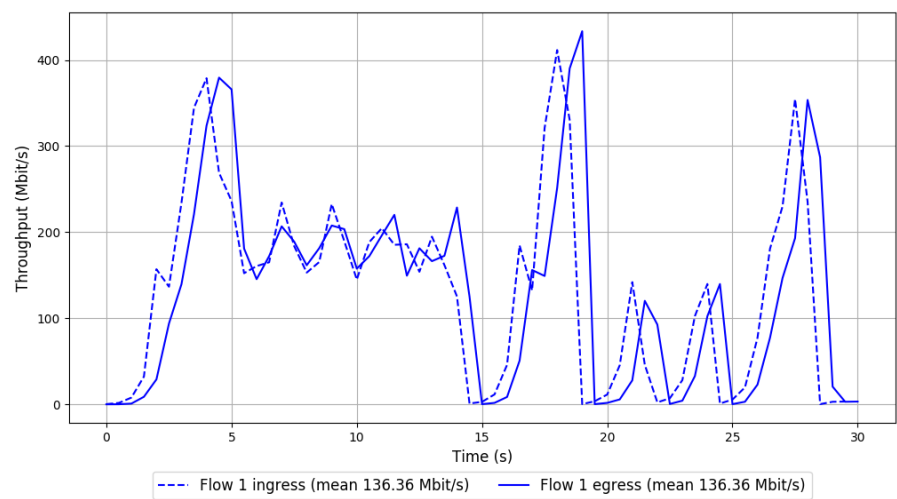


Run 4: Statistics of Verus

Start at: 2018-06-18 09:00:57
End at: 2018-06-18 09:01:27
Local clock offset: 8.615 ms
Remote clock offset: 15.946 ms

Below is generated by plot.py at 2018-06-18 12:14:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.36 Mbit/s
95th percentile per-packet one-way delay: 139.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.36 Mbit/s
95th percentile per-packet one-way delay: 139.252 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-18 09:21:51

End at: 2018-06-18 09:22:22

Local clock offset: 4.157 ms

Remote clock offset: 6.443 ms

Below is generated by plot.py at 2018-06-18 12:14:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.05 Mbit/s

95th percentile per-packet one-way delay: 136.847 ms

Loss rate: 0.00%

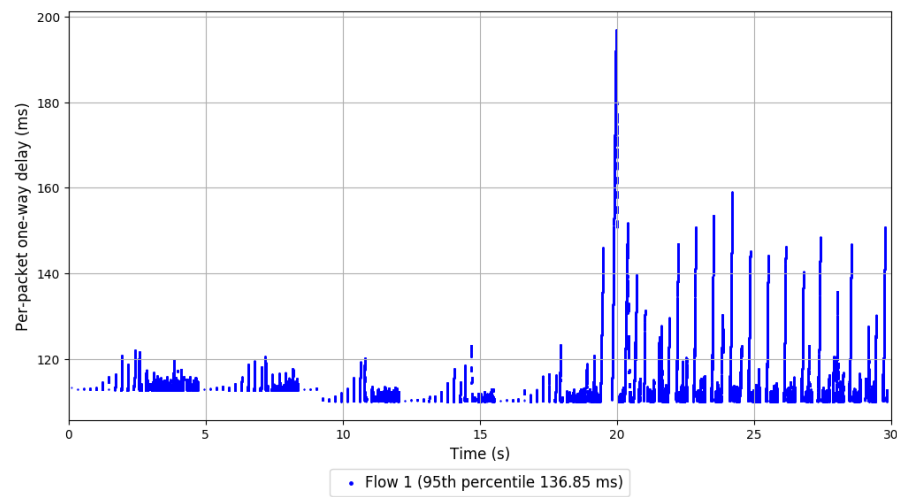
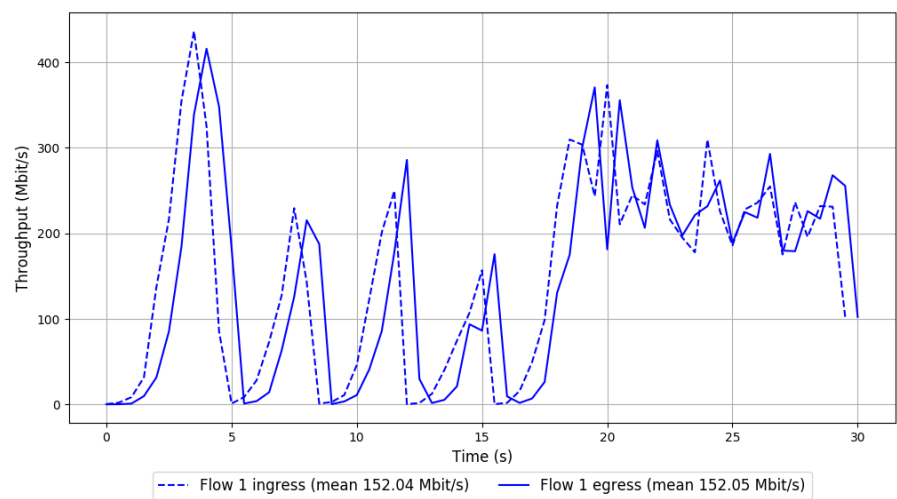
-- Flow 1:

Average throughput: 152.05 Mbit/s

95th percentile per-packet one-way delay: 136.847 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-18 09:42:26

End at: 2018-06-18 09:42:56

Local clock offset: 4.265 ms

Remote clock offset: 2.217 ms

Below is generated by plot.py at 2018-06-18 12:14:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.46 Mbit/s

95th percentile per-packet one-way delay: 127.478 ms

Loss rate: 0.00%

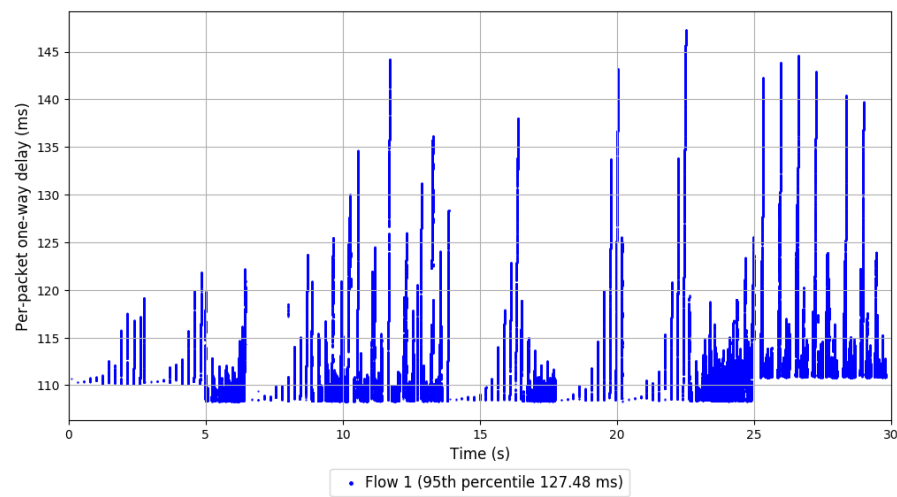
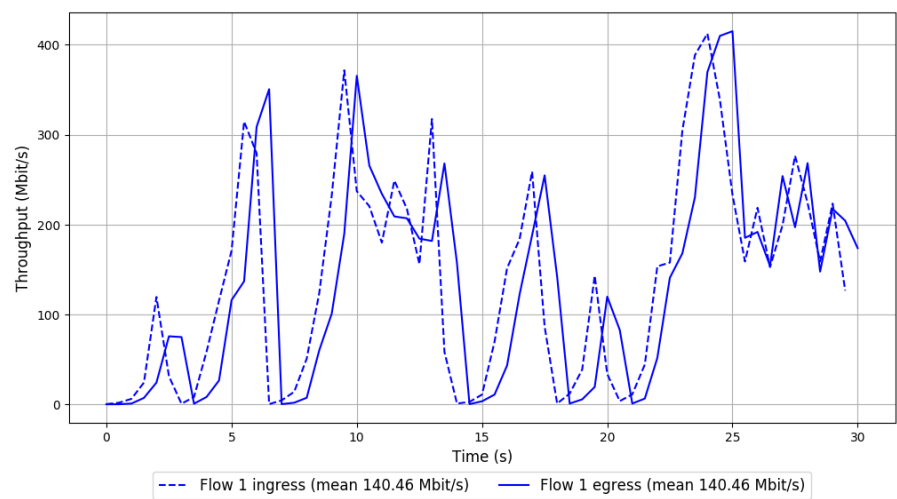
-- Flow 1:

Average throughput: 140.46 Mbit/s

95th percentile per-packet one-way delay: 127.478 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-18 10:03:18

End at: 2018-06-18 10:03:48

Local clock offset: 1.499 ms

Remote clock offset: 2.644 ms

Below is generated by plot.py at 2018-06-18 12:14:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.56 Mbit/s

95th percentile per-packet one-way delay: 142.999 ms

Loss rate: 0.19%

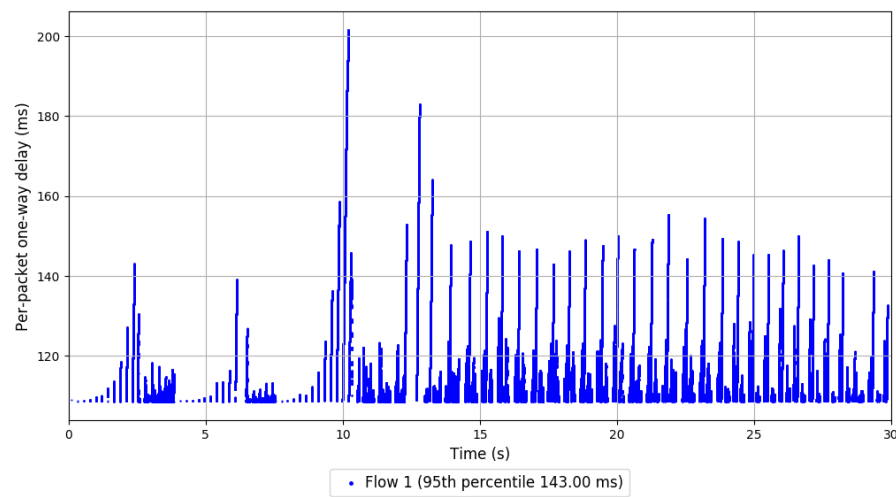
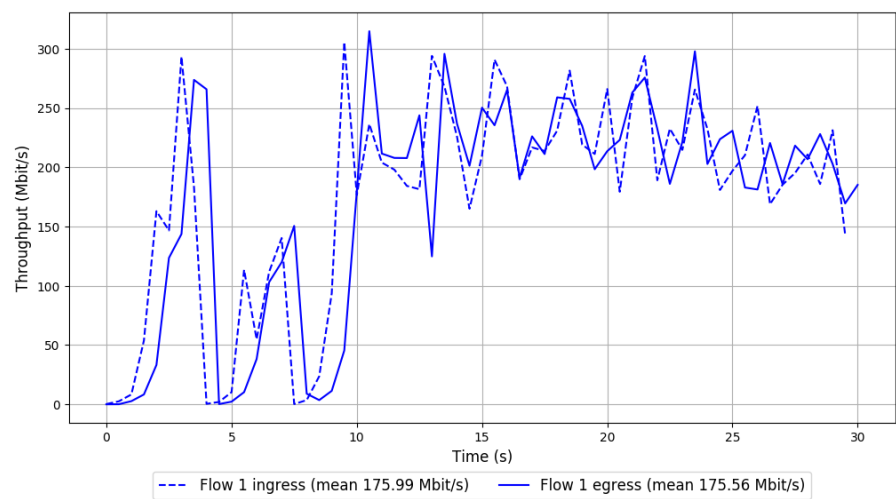
-- Flow 1:

Average throughput: 175.56 Mbit/s

95th percentile per-packet one-way delay: 142.999 ms

Loss rate: 0.19%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-18 10:23:53

End at: 2018-06-18 10:24:23

Local clock offset: 0.203 ms

Remote clock offset: 1.179 ms

Below is generated by plot.py at 2018-06-18 12:14:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.96 Mbit/s

95th percentile per-packet one-way delay: 310.757 ms

Loss rate: 8.41%

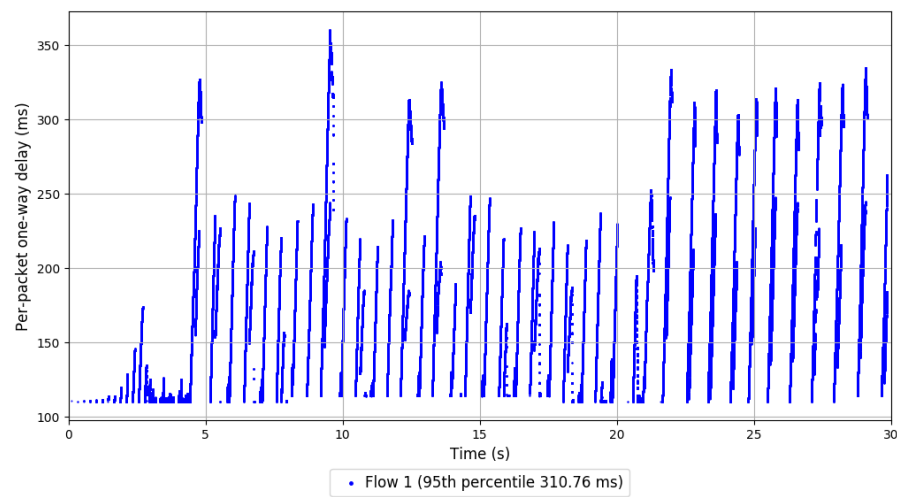
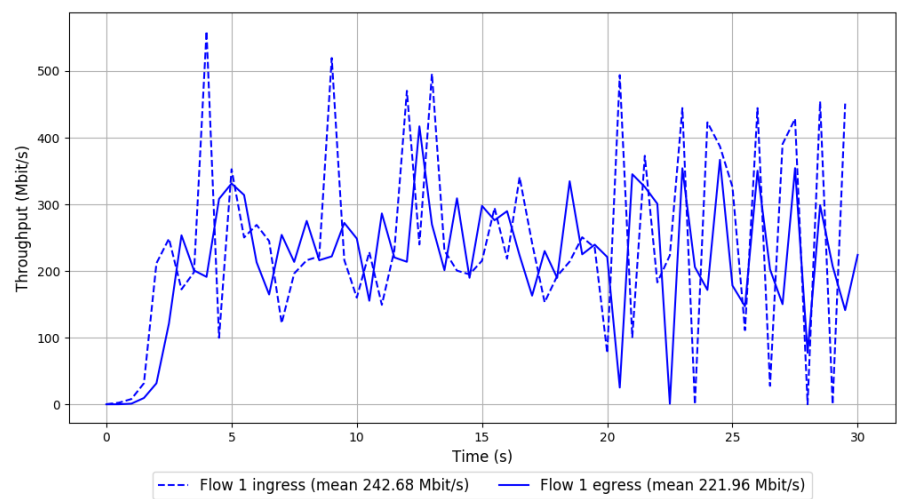
-- Flow 1:

Average throughput: 221.96 Mbit/s

95th percentile per-packet one-way delay: 310.757 ms

Loss rate: 8.41%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-18 10:44:48

End at: 2018-06-18 10:45:18

Local clock offset: -0.35 ms

Remote clock offset: 0.39 ms

Below is generated by plot.py at 2018-06-18 12:15:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.12 Mbit/s

95th percentile per-packet one-way delay: 161.568 ms

Loss rate: 0.00%

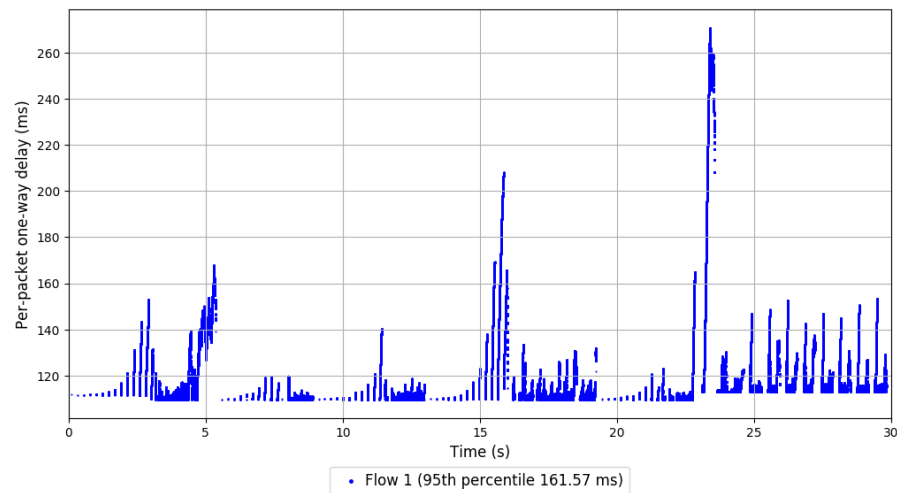
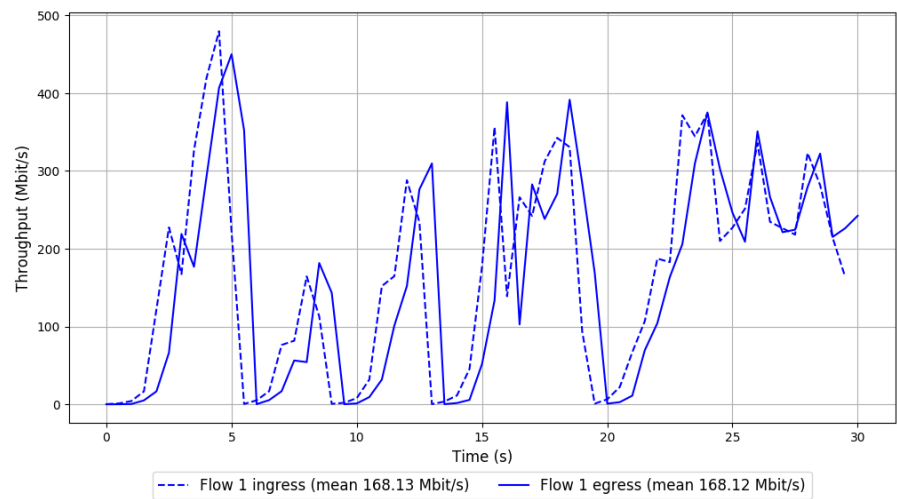
-- Flow 1:

Average throughput: 168.12 Mbit/s

95th percentile per-packet one-way delay: 161.568 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-18 11:05:40

End at: 2018-06-18 11:06:10

Local clock offset: 0.239 ms

Remote clock offset: 0.986 ms

Below is generated by plot.py at 2018-06-18 12:15:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.44 Mbit/s

95th percentile per-packet one-way delay: 143.095 ms

Loss rate: 0.05%

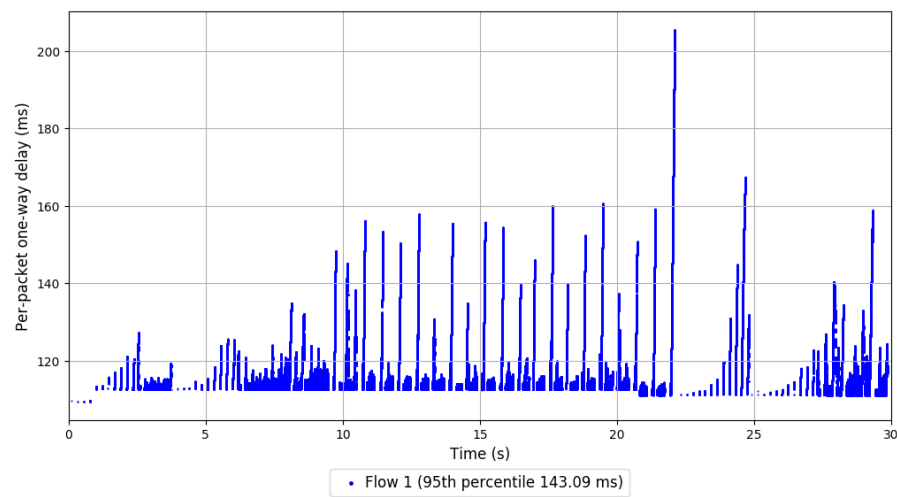
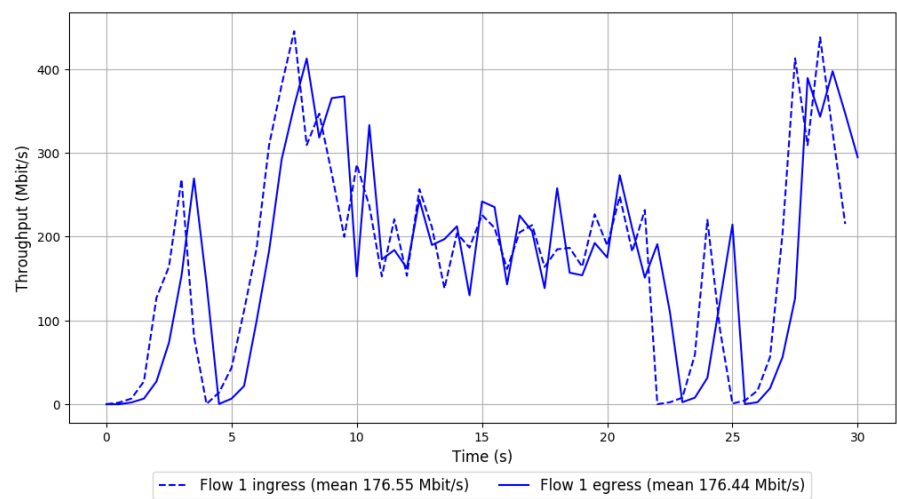
-- Flow 1:

Average throughput: 176.44 Mbit/s

95th percentile per-packet one-way delay: 143.095 ms

Loss rate: 0.05%

Run 10: Report of Verus — Data Link

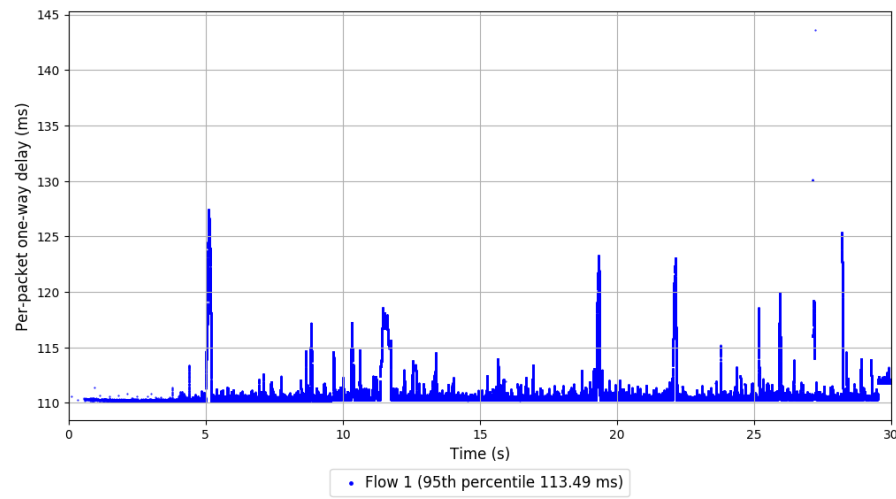
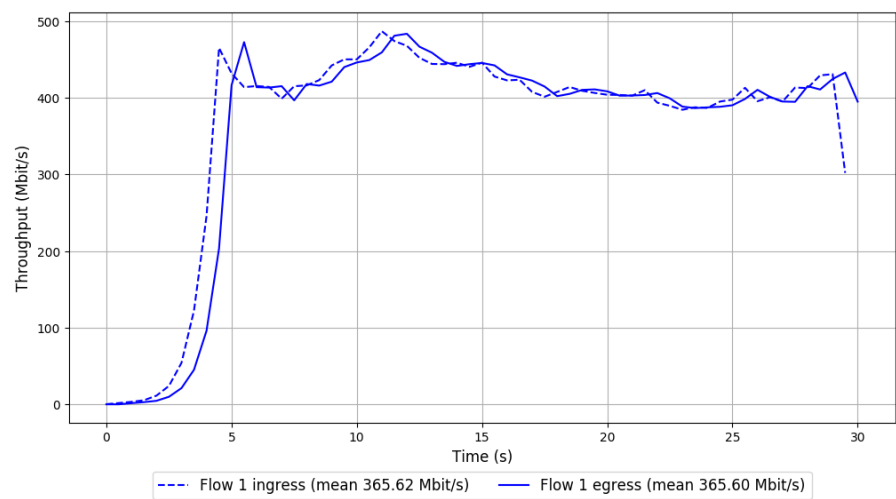


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-18 07:56:41
End at: 2018-06-18 07:57:11
Local clock offset: 20.185 ms
Remote clock offset: 30.219 ms

Below is generated by plot.py at 2018-06-18 12:19:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 365.60 Mbit/s
95th percentile per-packet one-way delay: 113.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 365.60 Mbit/s
95th percentile per-packet one-way delay: 113.489 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

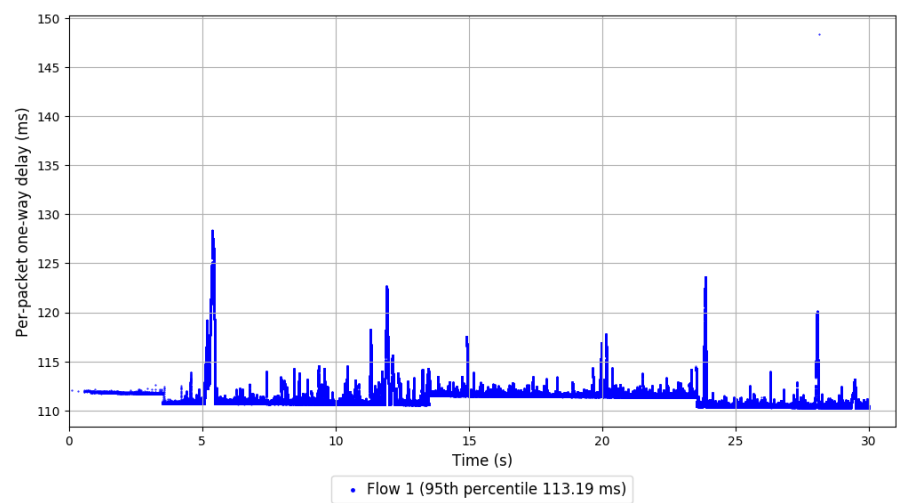
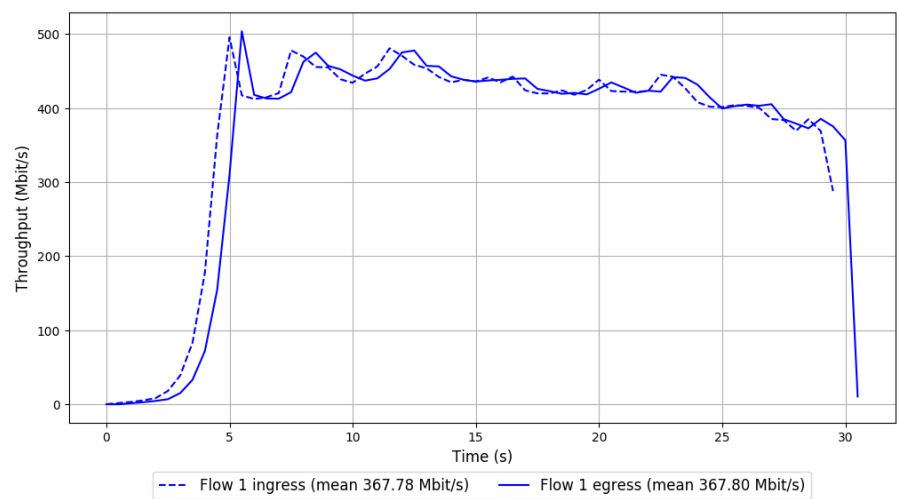


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-18 08:17:37
End at: 2018-06-18 08:18:07
Local clock offset: 20.613 ms
Remote clock offset: 56.721 ms

Below is generated by plot.py at 2018-06-18 12:19:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 367.80 Mbit/s
95th percentile per-packet one-way delay: 113.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 367.80 Mbit/s
95th percentile per-packet one-way delay: 113.194 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

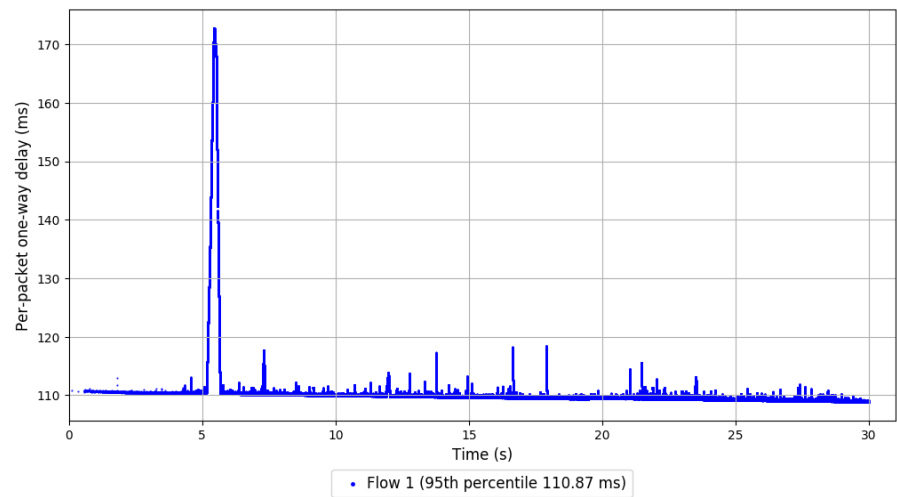
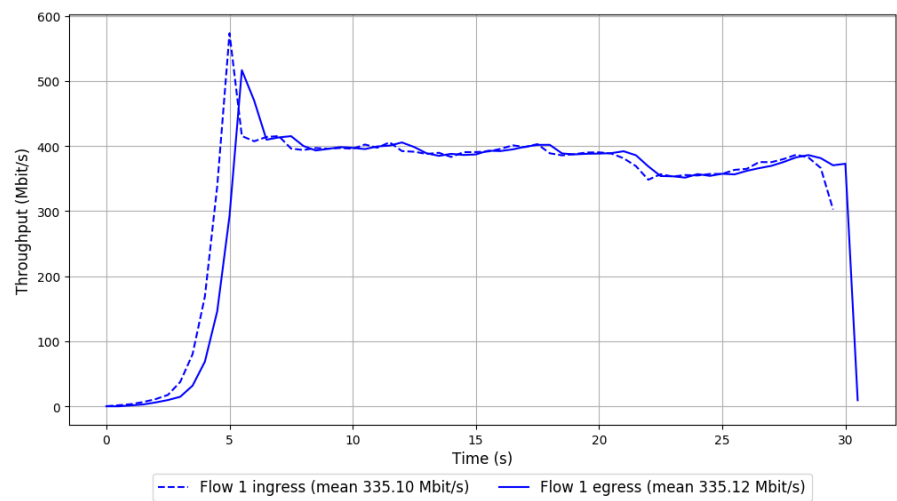


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-18 08:38:21
End at: 2018-06-18 08:38:51
Local clock offset: 36.283 ms
Remote clock offset: 23.329 ms

Below is generated by plot.py at 2018-06-18 12:19:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 335.12 Mbit/s
95th percentile per-packet one-way delay: 110.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 335.12 Mbit/s
95th percentile per-packet one-way delay: 110.873 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-18 08:59:23

End at: 2018-06-18 08:59:53

Local clock offset: 7.361 ms

Remote clock offset: 18.784 ms

Below is generated by plot.py at 2018-06-18 12:20:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.75 Mbit/s

95th percentile per-packet one-way delay: 134.692 ms

Loss rate: 0.01%

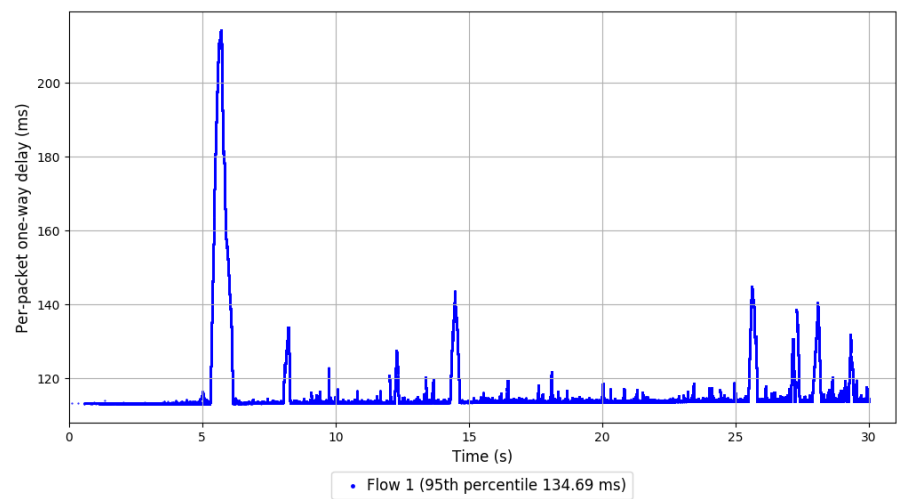
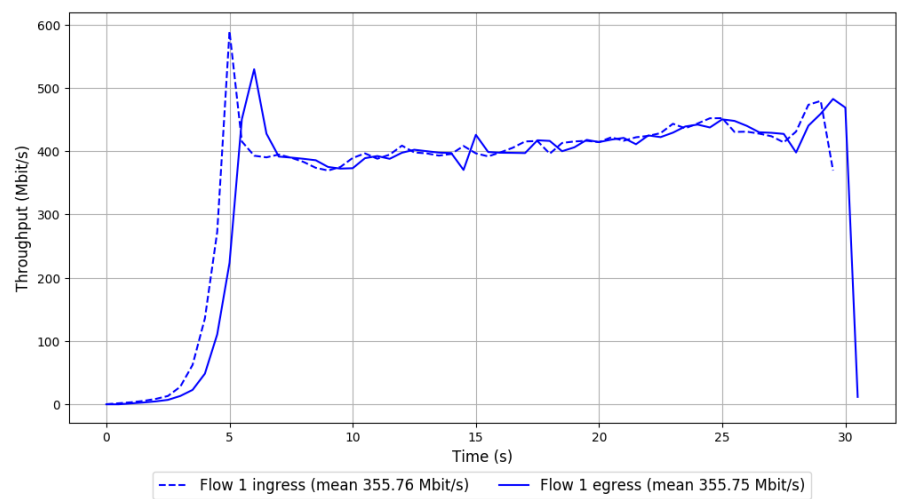
-- Flow 1:

Average throughput: 355.75 Mbit/s

95th percentile per-packet one-way delay: 134.692 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-18 09:20:19

End at: 2018-06-18 09:20:49

Local clock offset: 6.105 ms

Remote clock offset: 6.829 ms

Below is generated by plot.py at 2018-06-18 12:20:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.71 Mbit/s

95th percentile per-packet one-way delay: 134.532 ms

Loss rate: 0.00%

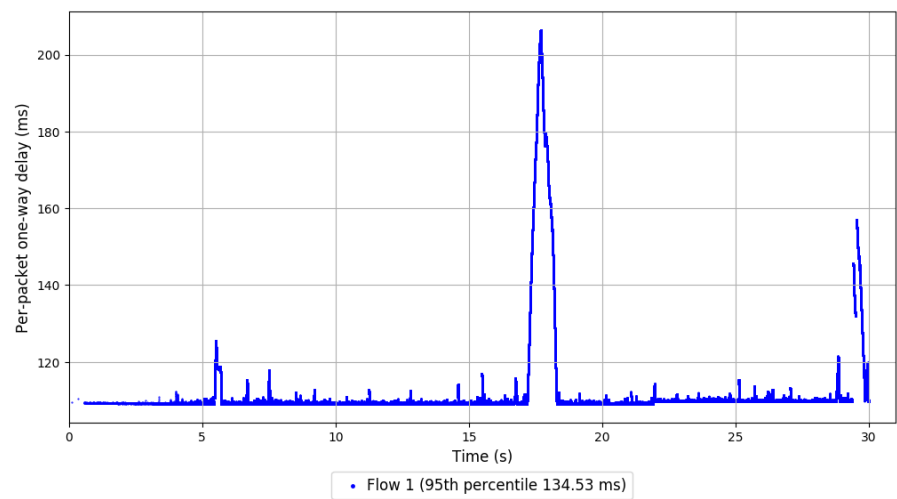
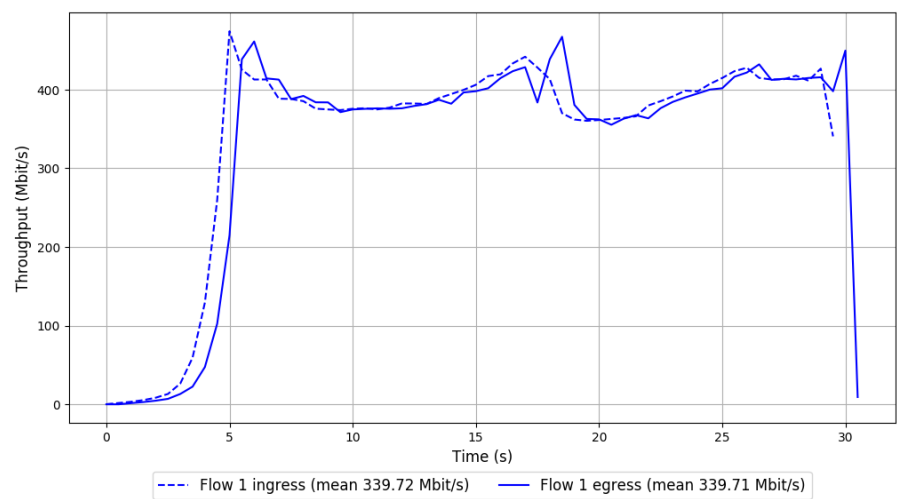
-- Flow 1:

Average throughput: 339.71 Mbit/s

95th percentile per-packet one-way delay: 134.532 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-18 09:40:51

End at: 2018-06-18 09:41:21

Local clock offset: 2.68 ms

Remote clock offset: 2.348 ms

Below is generated by plot.py at 2018-06-18 12:21:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.42 Mbit/s

95th percentile per-packet one-way delay: 121.656 ms

Loss rate: 0.00%

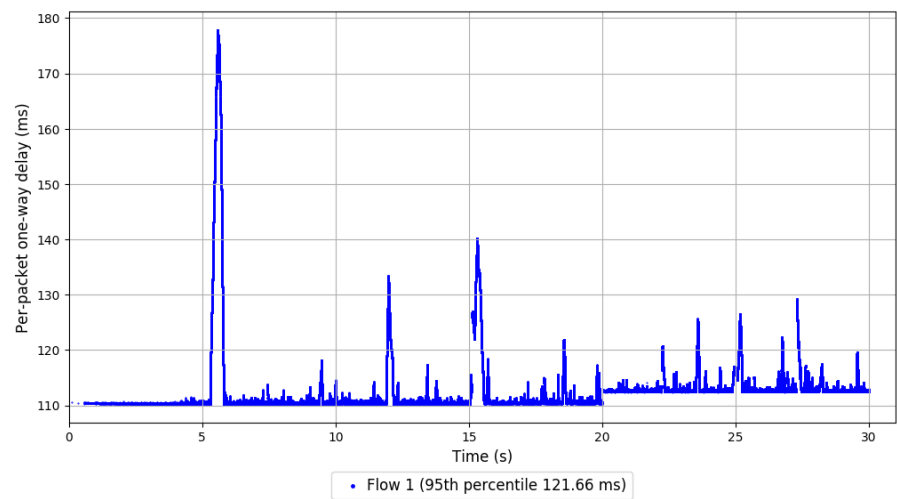
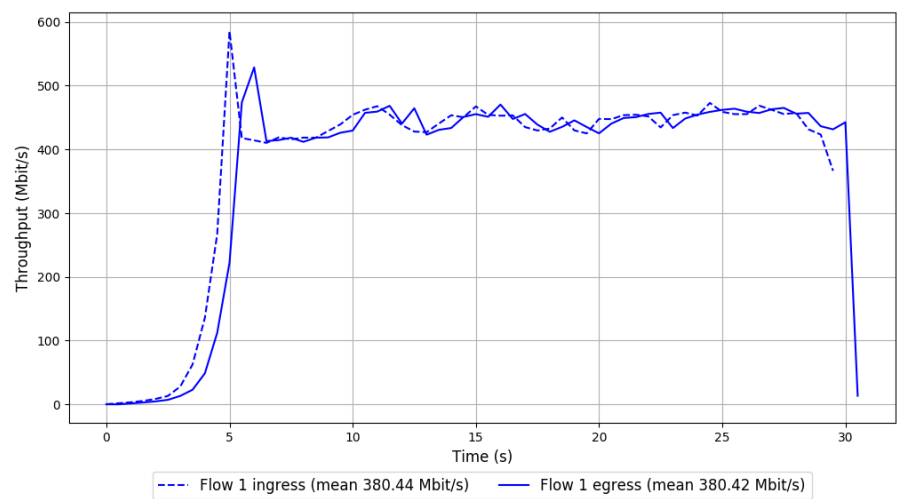
-- Flow 1:

Average throughput: 380.42 Mbit/s

95th percentile per-packet one-way delay: 121.656 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-18 10:01:45

End at: 2018-06-18 10:02:15

Local clock offset: 0.493 ms

Remote clock offset: 2.714 ms

Below is generated by plot.py at 2018-06-18 12:21:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.51 Mbit/s

95th percentile per-packet one-way delay: 228.815 ms

Loss rate: 0.70%

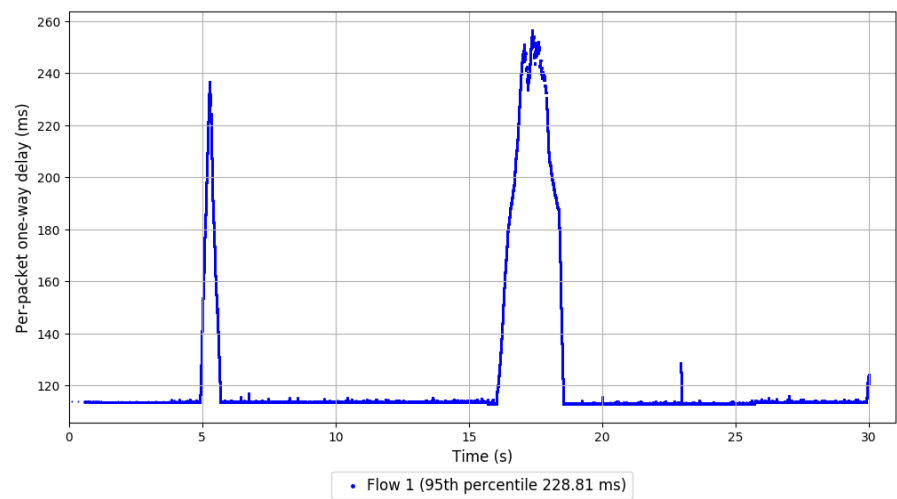
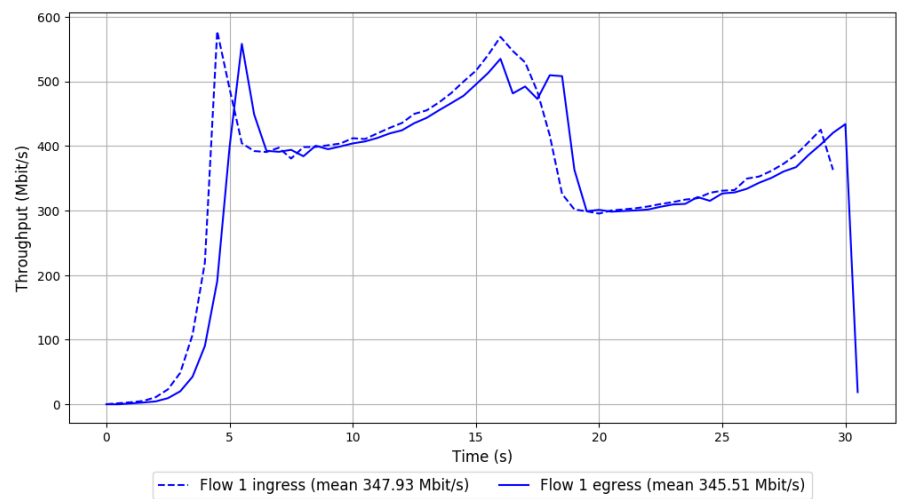
-- Flow 1:

Average throughput: 345.51 Mbit/s

95th percentile per-packet one-way delay: 228.815 ms

Loss rate: 0.70%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-18 10:22:18

End at: 2018-06-18 10:22:48

Local clock offset: 1.369 ms

Remote clock offset: 0.804 ms

Below is generated by plot.py at 2018-06-18 12:21:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.51 Mbit/s

95th percentile per-packet one-way delay: 113.481 ms

Loss rate: 0.03%

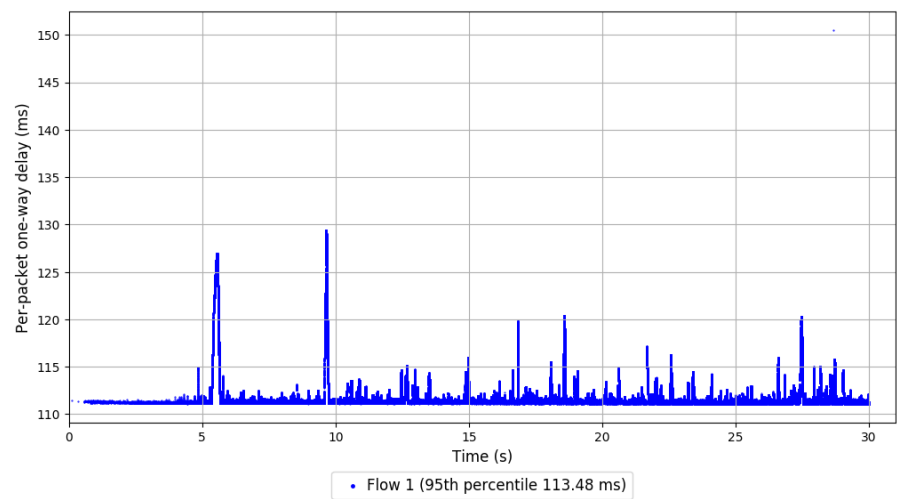
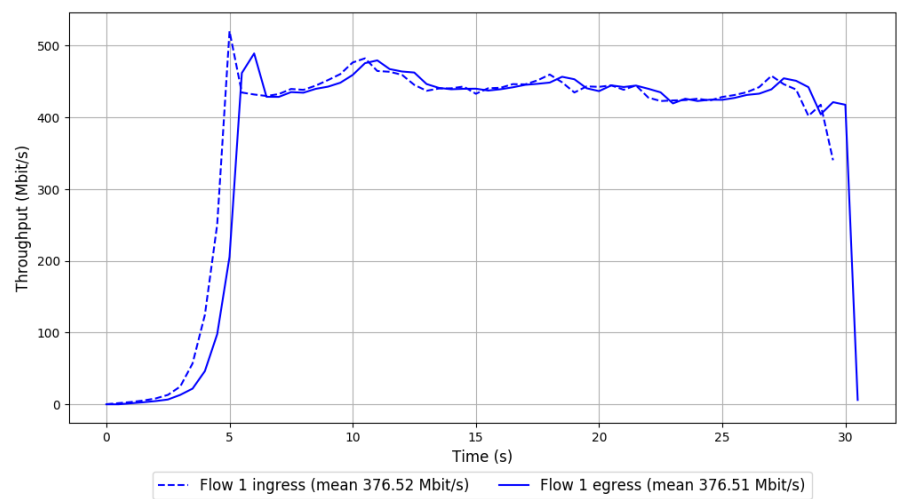
-- Flow 1:

Average throughput: 376.51 Mbit/s

95th percentile per-packet one-way delay: 113.481 ms

Loss rate: 0.03%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-18 10:43:14

End at: 2018-06-18 10:43:44

Local clock offset: 0.685 ms

Remote clock offset: 1.219 ms

Below is generated by plot.py at 2018-06-18 12:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.99 Mbit/s

95th percentile per-packet one-way delay: 119.893 ms

Loss rate: 0.20%

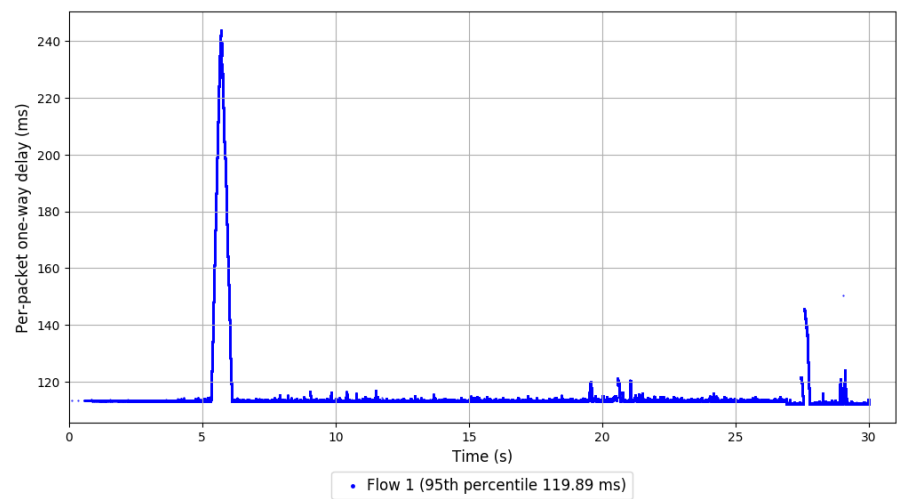
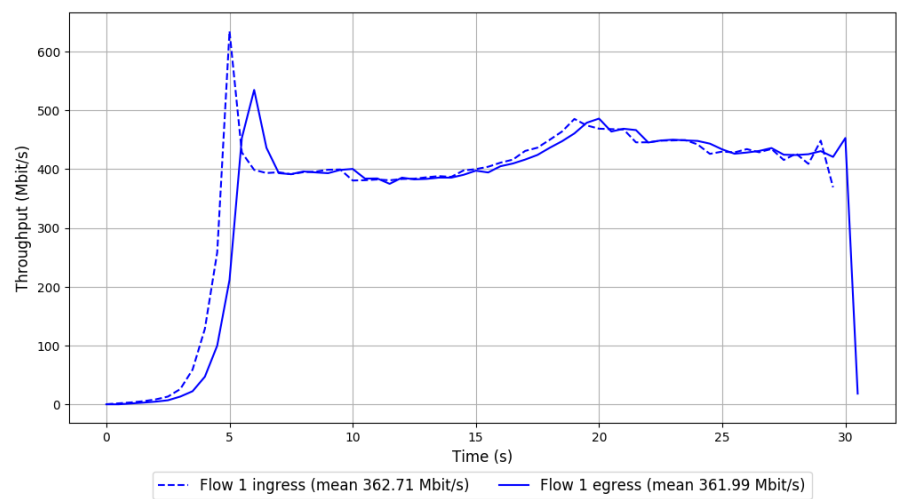
-- Flow 1:

Average throughput: 361.99 Mbit/s

95th percentile per-packet one-way delay: 119.893 ms

Loss rate: 0.20%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-18 11:04:05

End at: 2018-06-18 11:04:35

Local clock offset: 1.714 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-06-18 12:22:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.01 Mbit/s

95th percentile per-packet one-way delay: 113.856 ms

Loss rate: 0.36%

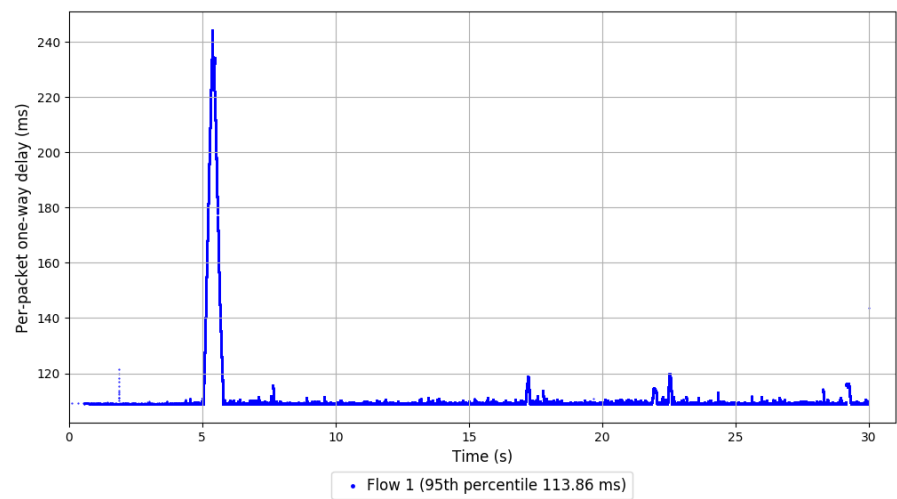
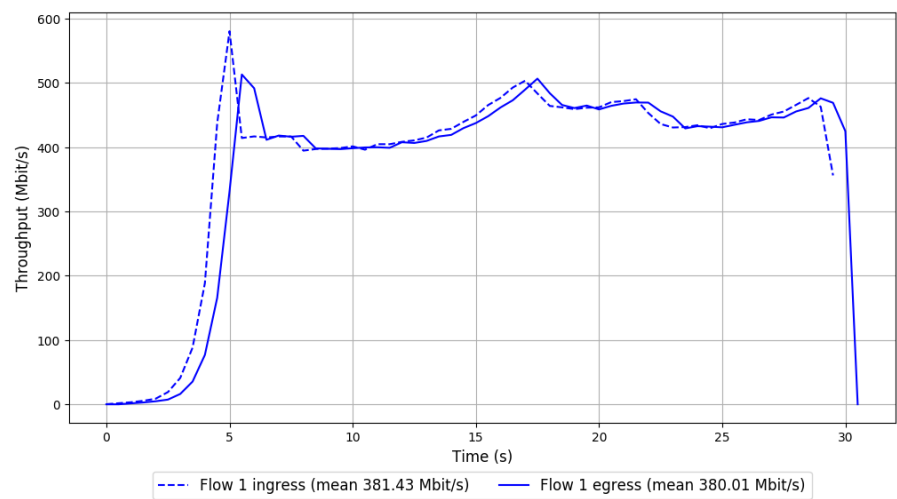
-- Flow 1:

Average throughput: 380.01 Mbit/s

95th percentile per-packet one-way delay: 113.856 ms

Loss rate: 0.36%

Run 10: Report of PCC-Vivace — Data Link

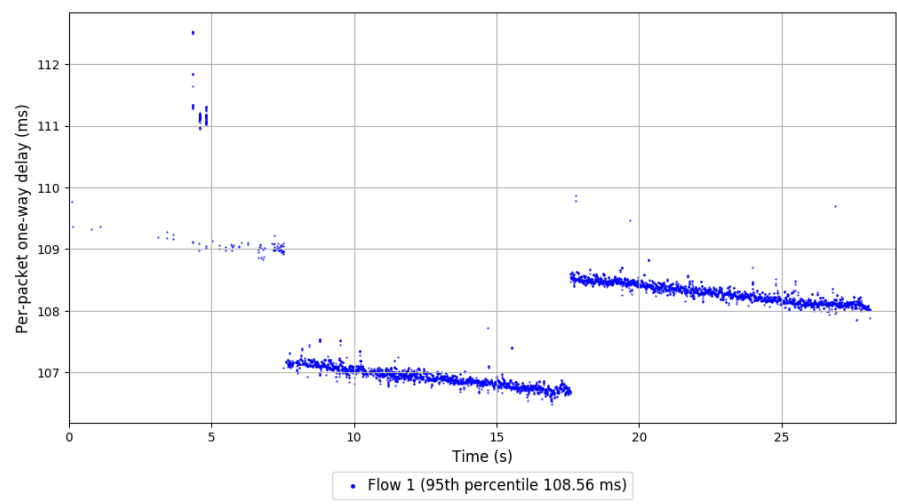
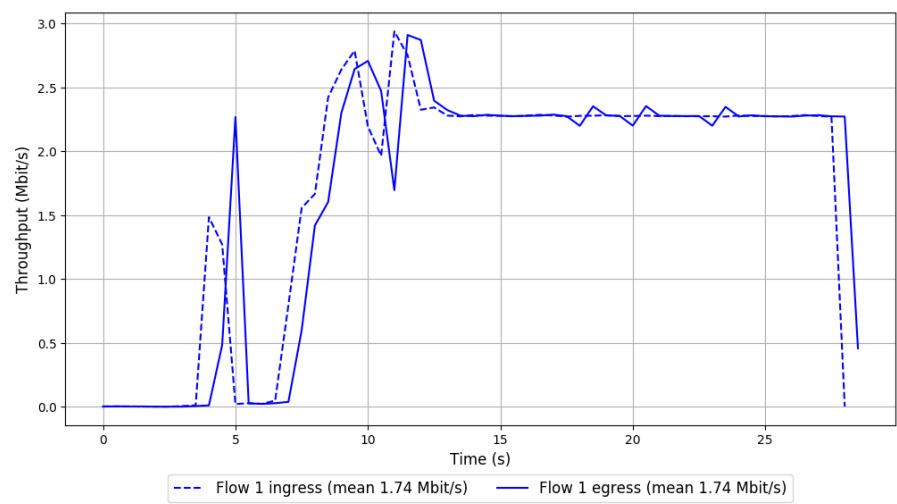


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-18 07:49:01
End at: 2018-06-18 07:49:31
Local clock offset: 32.8 ms
Remote clock offset: 34.686 ms

# Below is generated by plot.py at 2018-06-18 12:22:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 108.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 108.556 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

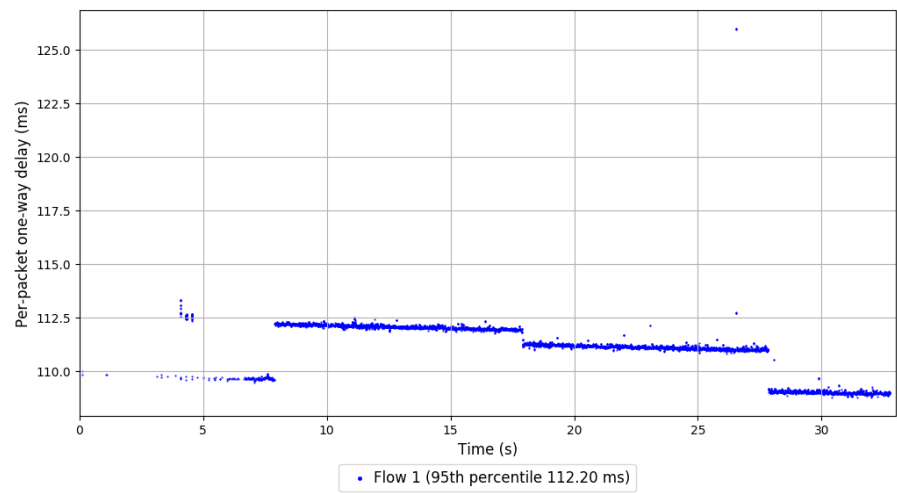
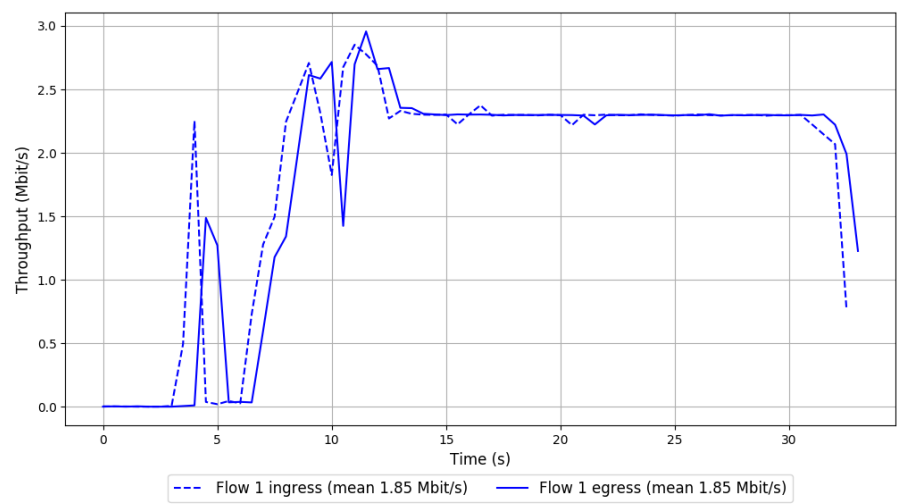


Run 2: Statistics of WebRTC media

Start at: 2018-06-18 08:09:46
End at: 2018-06-18 08:10:16
Local clock offset: 19.759 ms
Remote clock offset: 44.334 ms

Below is generated by plot.py at 2018-06-18 12:22:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 112.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 112.196 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

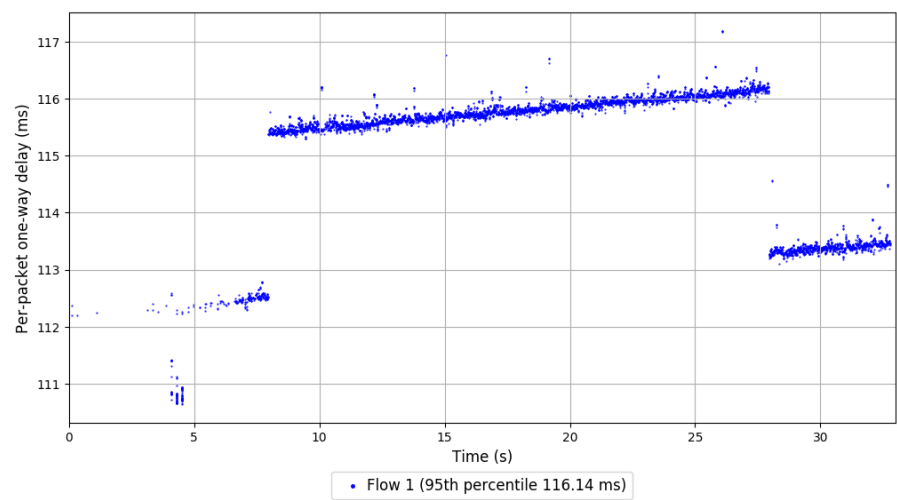
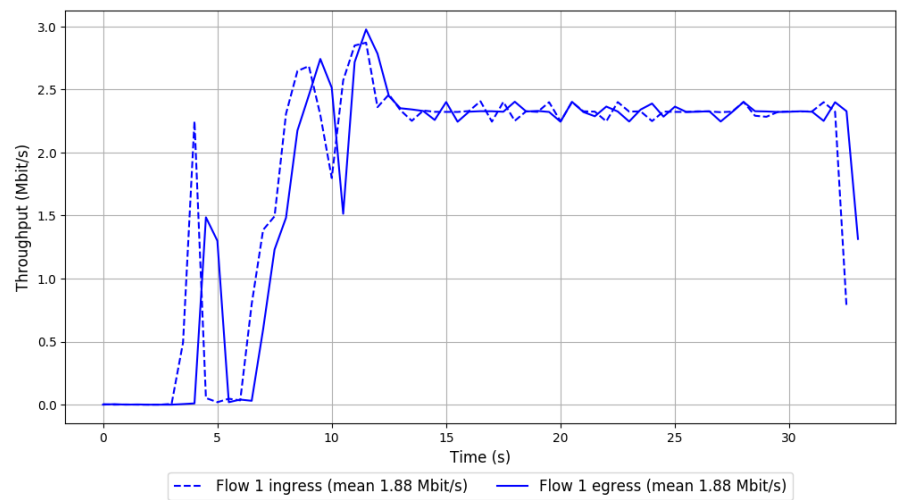


Run 3: Statistics of WebRTC media

Start at: 2018-06-18 08:30:36
End at: 2018-06-18 08:31:06
Local clock offset: 31.154 ms
Remote clock offset: 27.986 ms

Below is generated by plot.py at 2018-06-18 12:22:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 116.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 116.136 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

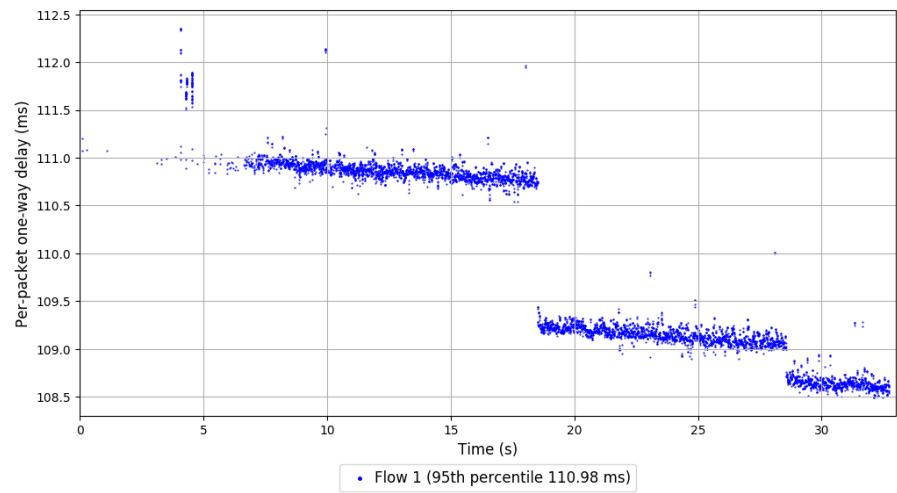
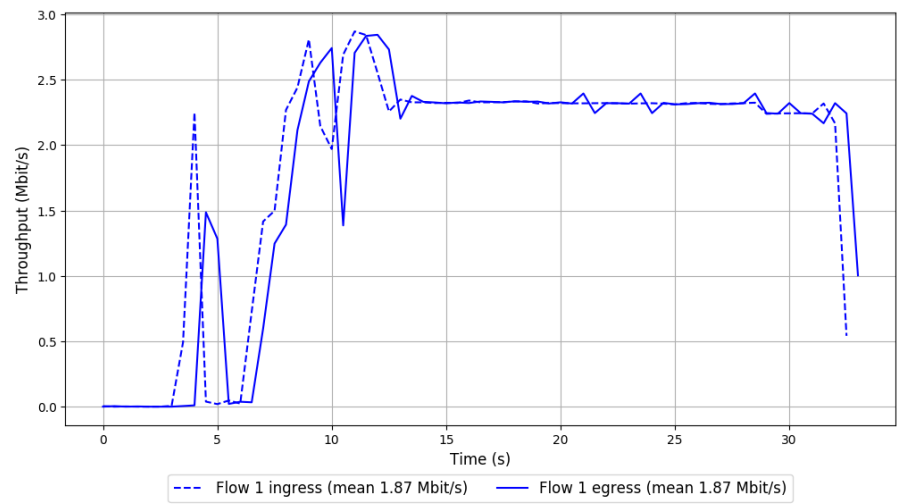


Run 4: Statistics of WebRTC media

Start at: 2018-06-18 08:51:35
End at: 2018-06-18 08:52:05
Local clock offset: 11.127 ms
Remote clock offset: 28.641 ms

Below is generated by plot.py at 2018-06-18 12:22:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 110.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 110.979 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-18 09:12:30

End at: 2018-06-18 09:13:00

Local clock offset: 9.25 ms

Remote clock offset: 7.235 ms

Below is generated by plot.py at 2018-06-18 12:22:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 112.568 ms

Loss rate: 0.00%

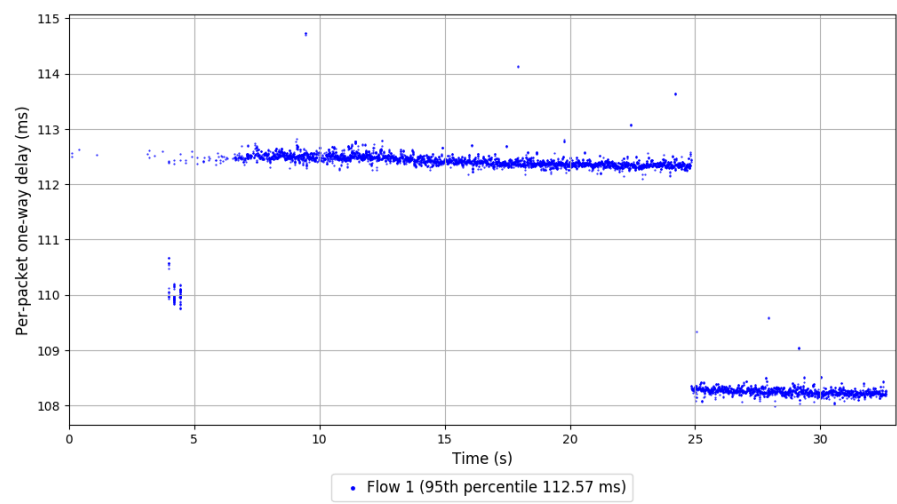
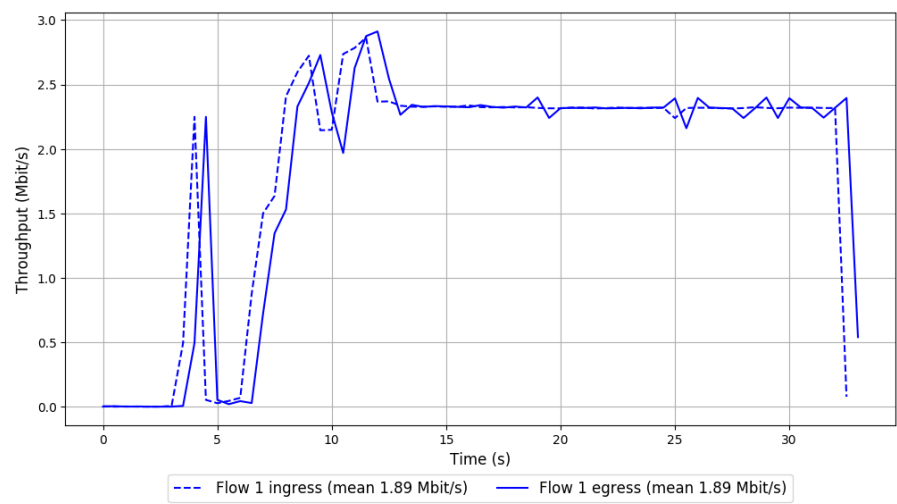
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 112.568 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-18 09:33:01

End at: 2018-06-18 09:33:31

Local clock offset: 3.457 ms

Remote clock offset: 4.339 ms

Below is generated by plot.py at 2018-06-18 12:22:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 112.850 ms

Loss rate: 0.00%

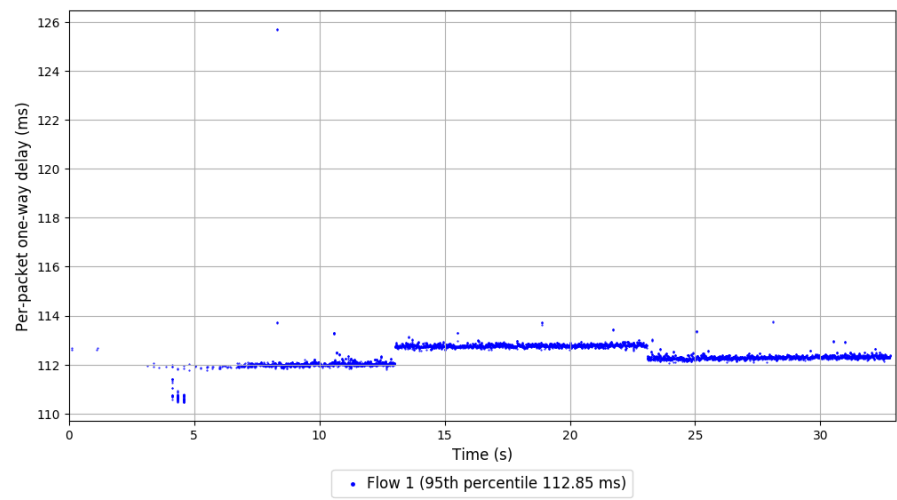
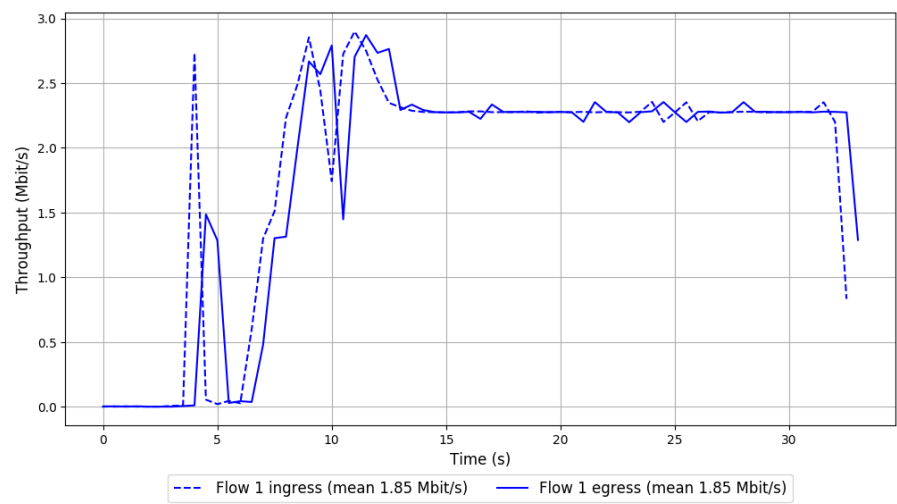
-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 112.850 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-18 09:54:03

End at: 2018-06-18 09:54:33

Local clock offset: 2.156 ms

Remote clock offset: 2.213 ms

Below is generated by plot.py at 2018-06-18 12:22:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 112.051 ms

Loss rate: 0.02%

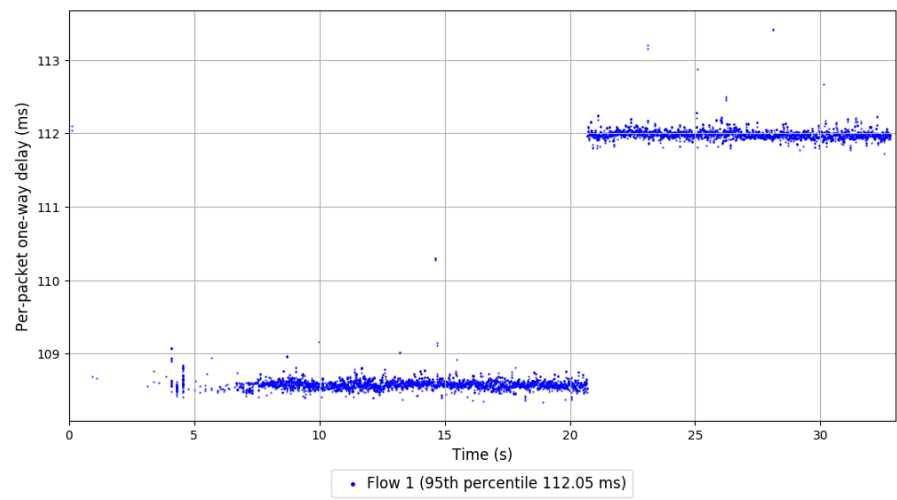
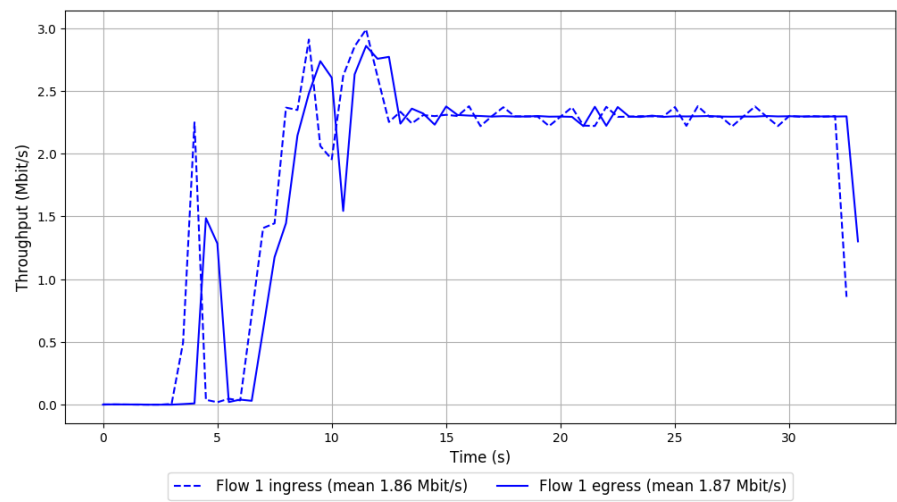
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 112.051 ms

Loss rate: 0.02%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-18 10:14:32

End at: 2018-06-18 10:15:02

Local clock offset: 0.315 ms

Remote clock offset: 1.345 ms

Below is generated by plot.py at 2018-06-18 12:22:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 114.678 ms

Loss rate: 0.00%

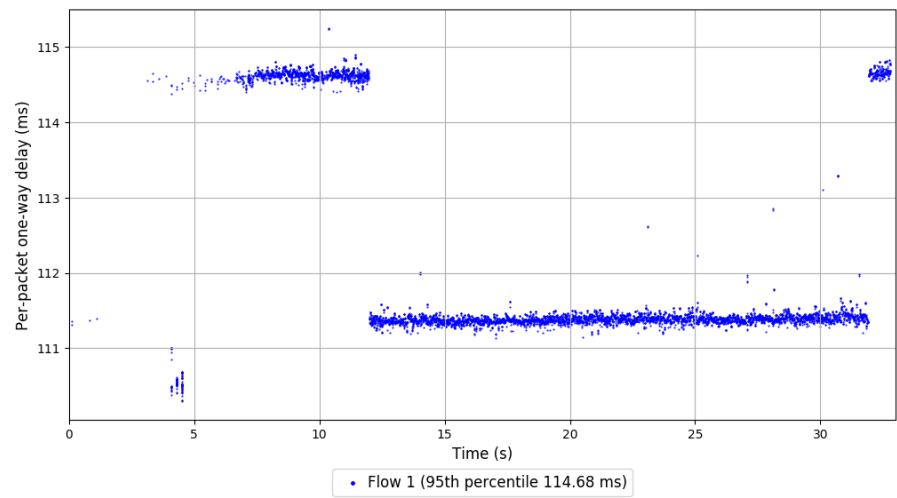
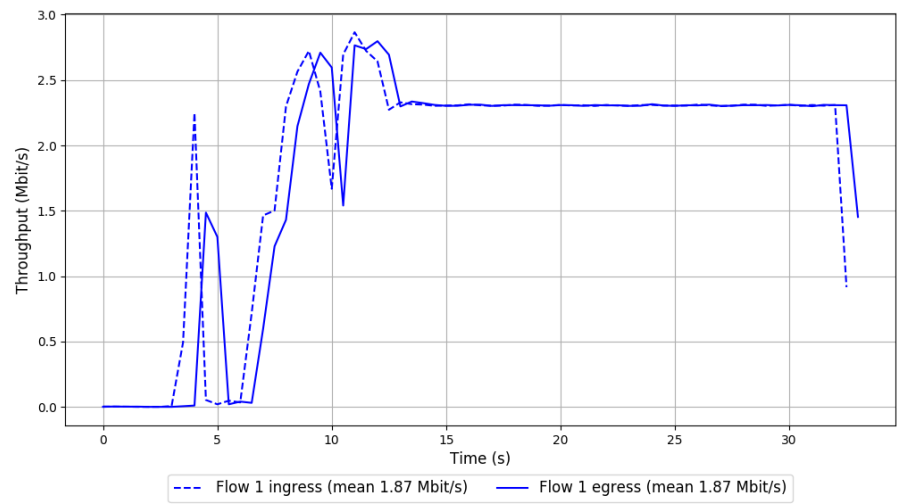
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 114.678 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-18 10:35:28

End at: 2018-06-18 10:35:58

Local clock offset: 0.571 ms

Remote clock offset: 1.11 ms

Below is generated by plot.py at 2018-06-18 12:22:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 112.857 ms

Loss rate: 0.00%

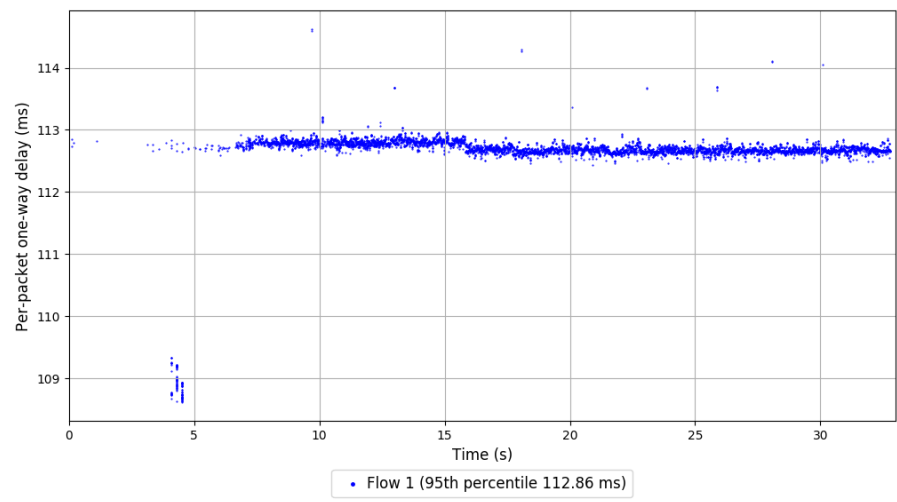
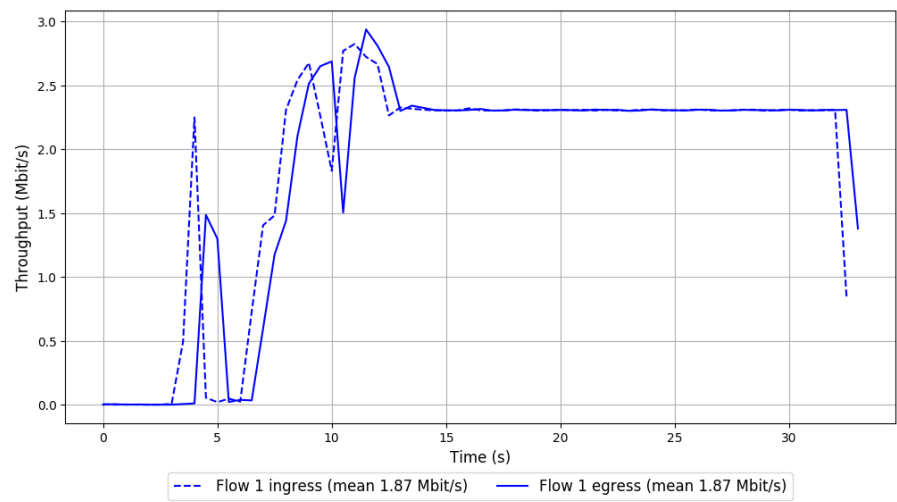
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 112.857 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-18 10:56:19

End at: 2018-06-18 10:56:49

Local clock offset: -0.185 ms

Remote clock offset: 0.528 ms

Below is generated by plot.py at 2018-06-18 12:22:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 112.598 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 112.598 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

