

Pantheon Report

Generated at 2018-07-18 02:45:01 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

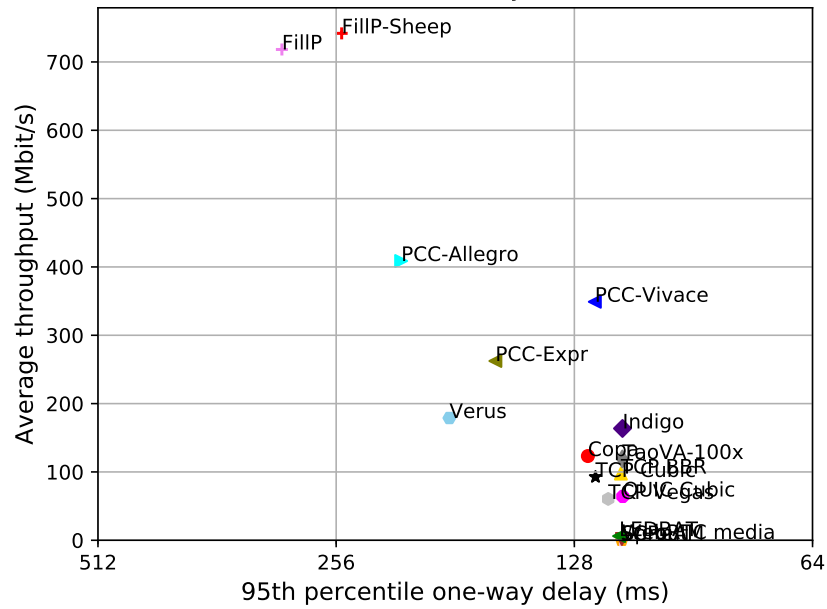
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

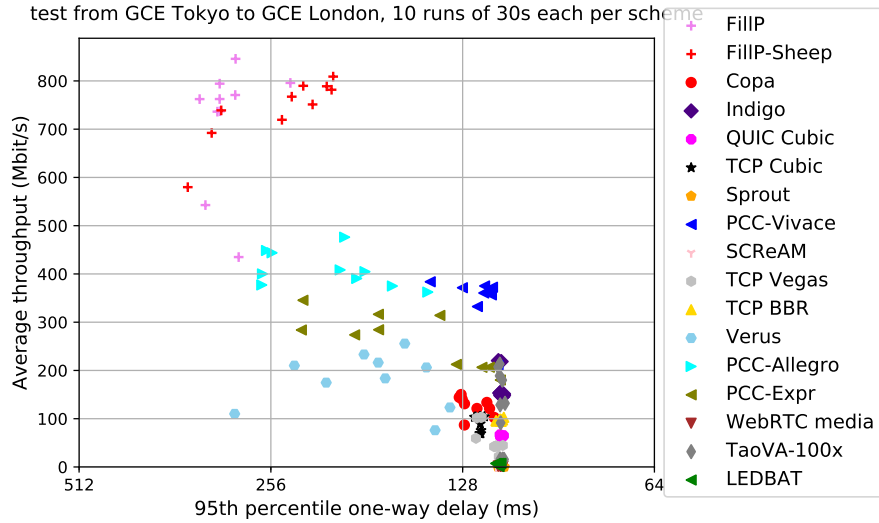
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



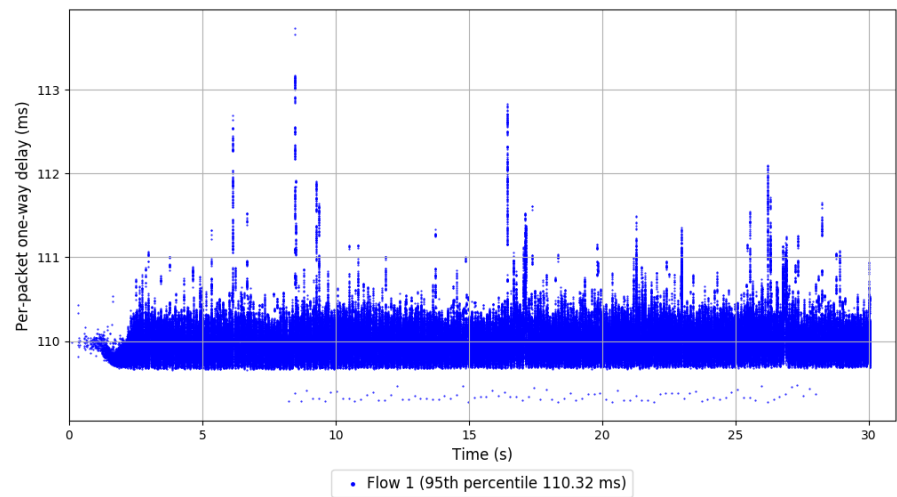
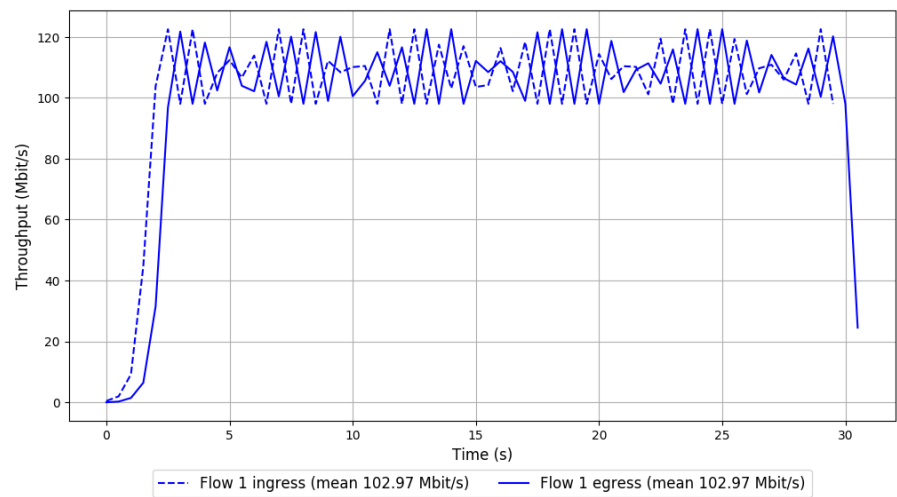
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	97.60	111.79	0.01
Copa	10	123.25	123.06	0.00
TCP Cubic	10	92.66	120.37	0.00
FillP	10	718.26	299.80	3.04
FillP-Sheep	10	741.85	251.94	2.69
Indigo	10	163.62	111.27	0.00
LEDBAT	10	6.12	112.38	0.00
PCC-Allegro	10	408.69	211.87	1.14
PCC-Expr	10	262.36	161.08	0.70
QUIC Cubic	9	64.10	111.18	0.00
SCReAM	10	0.22	111.93	0.00
Sprout	10	0.19	111.53	0.00
TaoVA-100x	10	118.94	111.32	0.00
TCP Vegas	10	60.47	115.99	0.00
Verus	10	178.92	184.14	0.37
PCC-Vivace	10	349.01	120.61	0.08
WebRTC media	10	1.87	111.47	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-17 21:37:14
End at: 2018-07-17 21:37:44
Local clock offset: 13.415 ms
Remote clock offset: 11.966 ms

Below is generated by plot.py at 2018-07-18 01:23:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.97 Mbit/s
95th percentile per-packet one-way delay: 110.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.97 Mbit/s
95th percentile per-packet one-way delay: 110.323 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

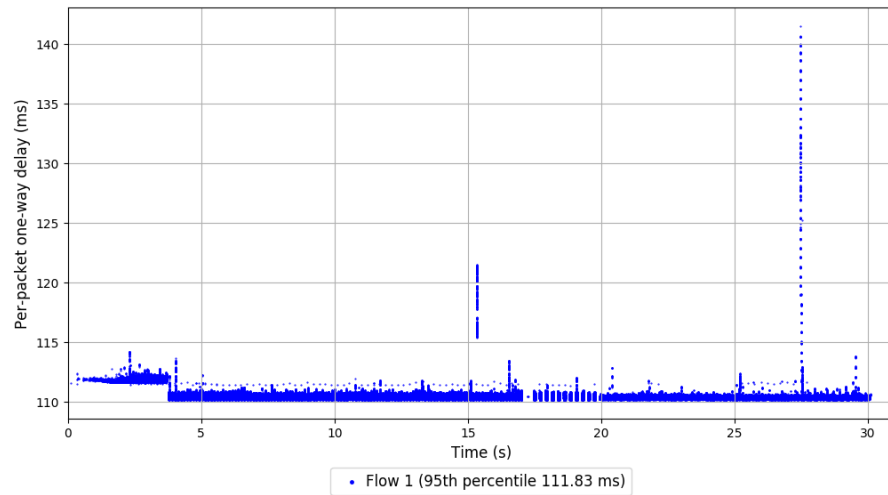
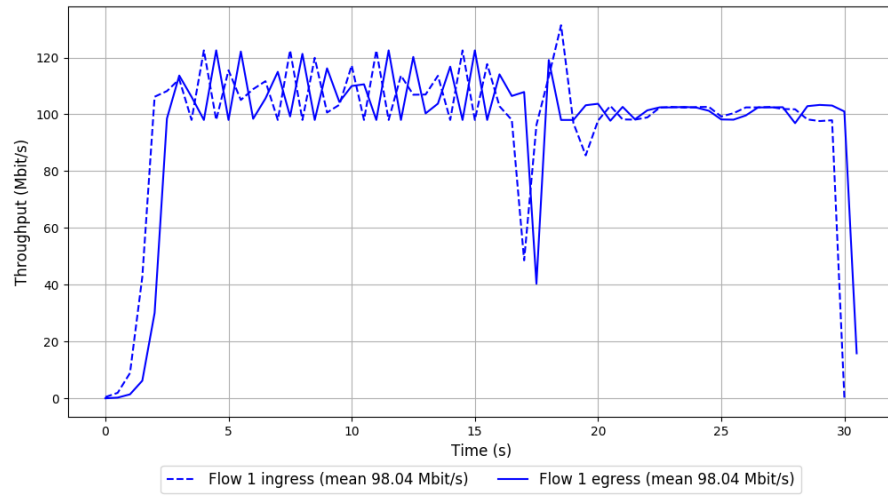


Run 2: Statistics of TCP BBR

Start at: 2018-07-17 21:59:19
End at: 2018-07-17 21:59:49
Local clock offset: 19.874 ms
Remote clock offset: 18.314 ms

Below is generated by plot.py at 2018-07-18 01:23:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.04 Mbit/s
95th percentile per-packet one-way delay: 111.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.04 Mbit/s
95th percentile per-packet one-way delay: 111.829 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

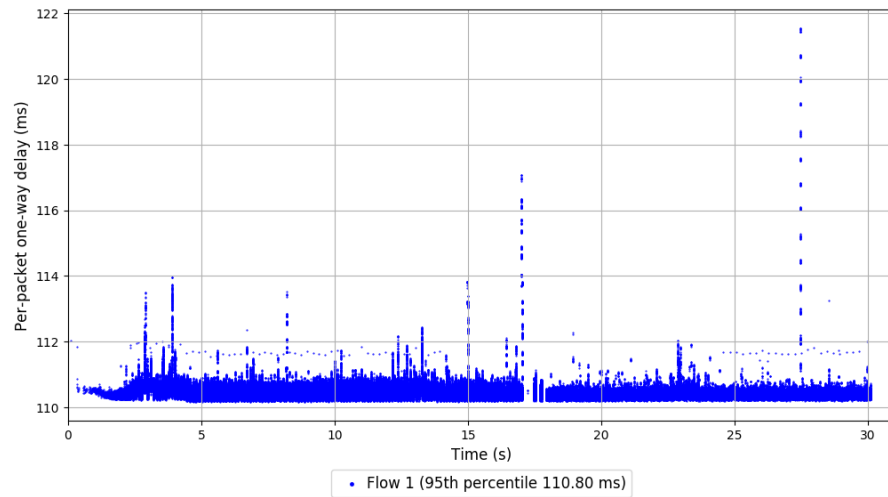
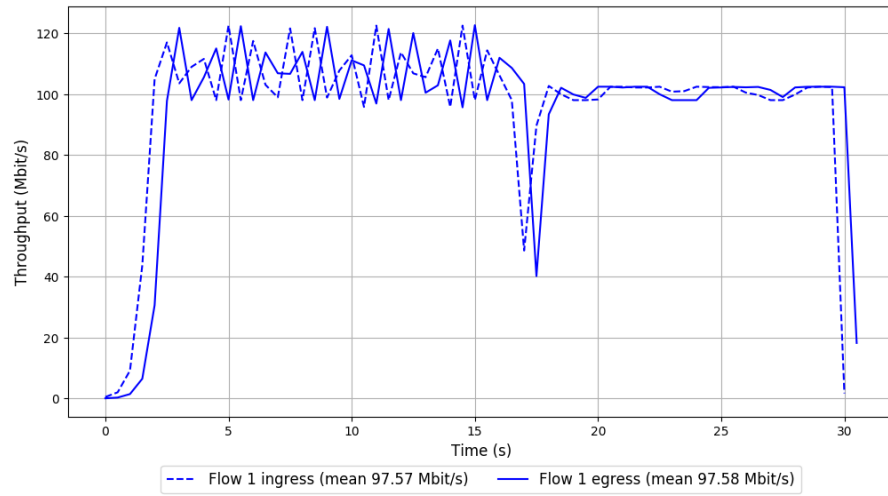


Run 3: Statistics of TCP BBR

Start at: 2018-07-17 22:21:48
End at: 2018-07-17 22:22:18
Local clock offset: 37.599 ms
Remote clock offset: 34.415 ms

Below is generated by plot.py at 2018-07-18 01:23:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.58 Mbit/s
95th percentile per-packet one-way delay: 110.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.58 Mbit/s
95th percentile per-packet one-way delay: 110.795 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

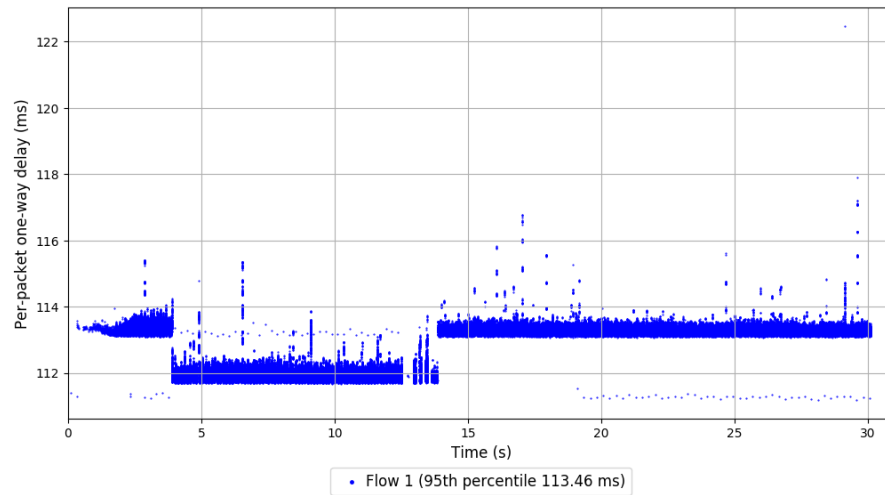
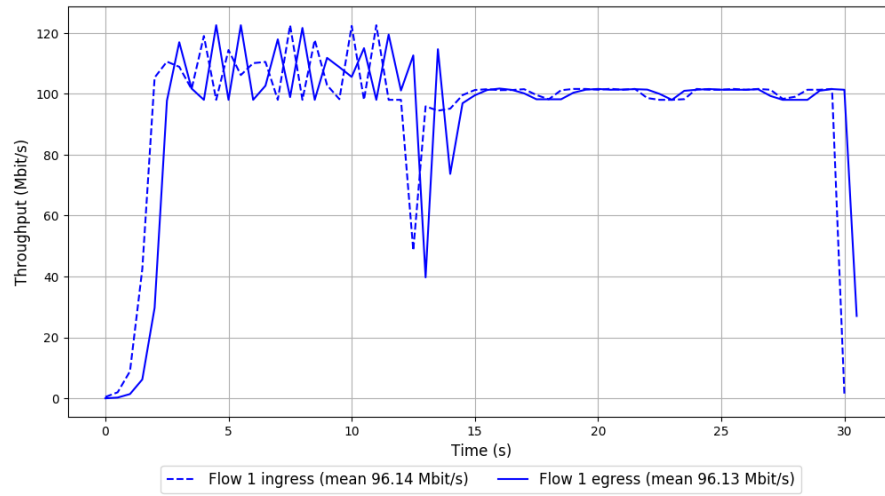


Run 4: Statistics of TCP BBR

Start at: 2018-07-17 22:44:19
End at: 2018-07-17 22:44:49
Local clock offset: 13.85 ms
Remote clock offset: 14.226 ms

Below is generated by plot.py at 2018-07-18 01:23:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 113.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 113.456 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-17 23:06:59

End at: 2018-07-17 23:07:29

Local clock offset: 8.276 ms

Remote clock offset: 8.61 ms

Below is generated by plot.py at 2018-07-18 01:23:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.10 Mbit/s

95th percentile per-packet one-way delay: 111.649 ms

Loss rate: 0.01%

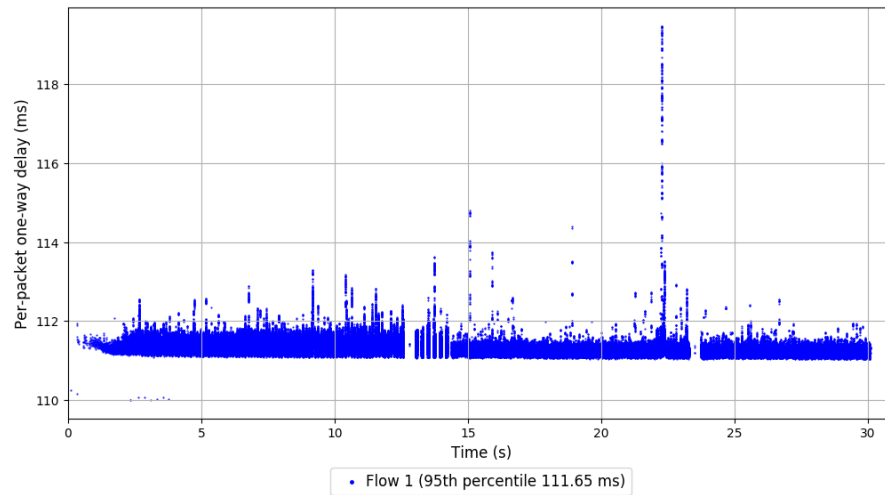
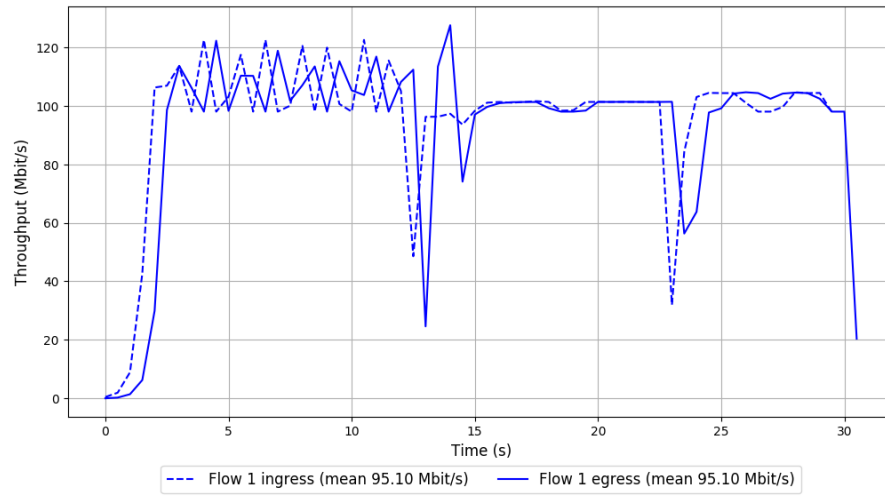
-- Flow 1:

Average throughput: 95.10 Mbit/s

95th percentile per-packet one-way delay: 111.649 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-17 23:29:10

End at: 2018-07-17 23:29:40

Local clock offset: 4.047 ms

Remote clock offset: 7.876 ms

Below is generated by plot.py at 2018-07-18 01:23:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 111.354 ms

Loss rate: 0.00%

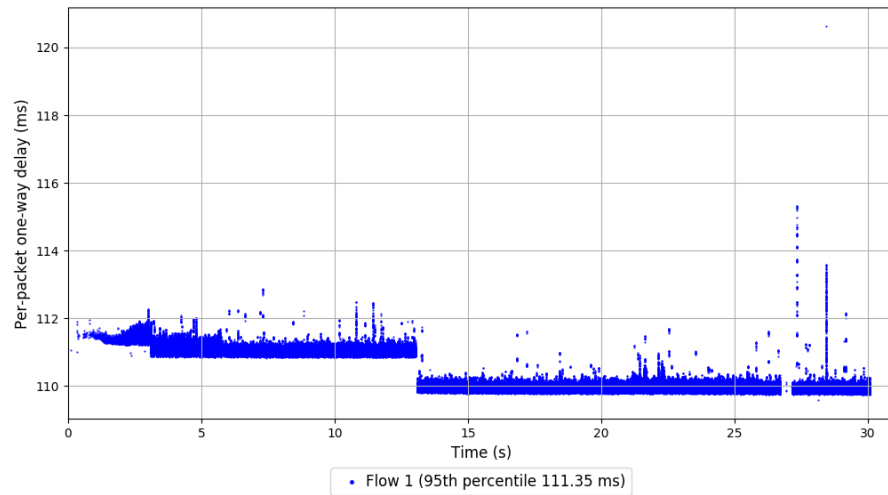
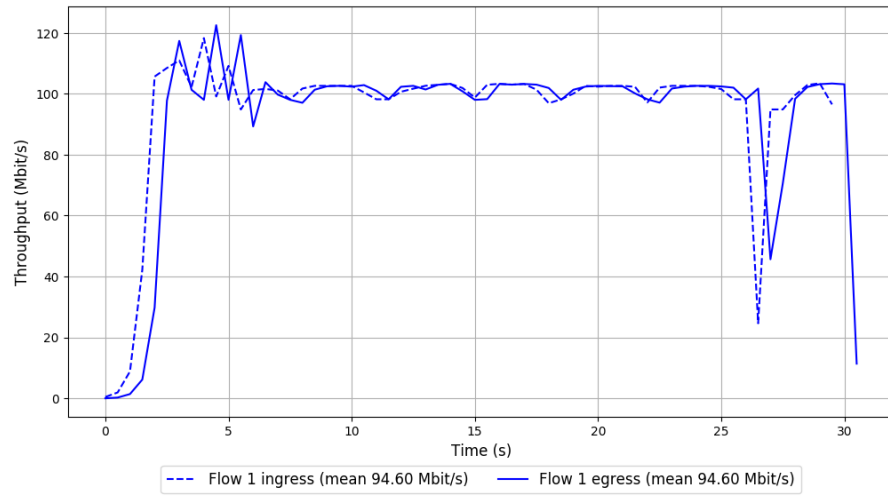
-- Flow 1:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 111.354 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-17 23:51:40

End at: 2018-07-17 23:52:10

Local clock offset: 0.095 ms

Remote clock offset: 3.493 ms

Below is generated by plot.py at 2018-07-18 01:23:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 113.316 ms

Loss rate: 0.00%

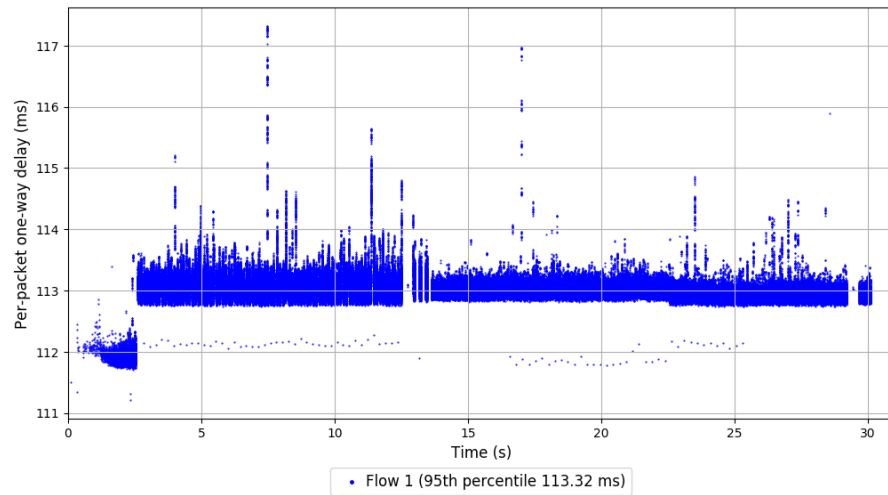
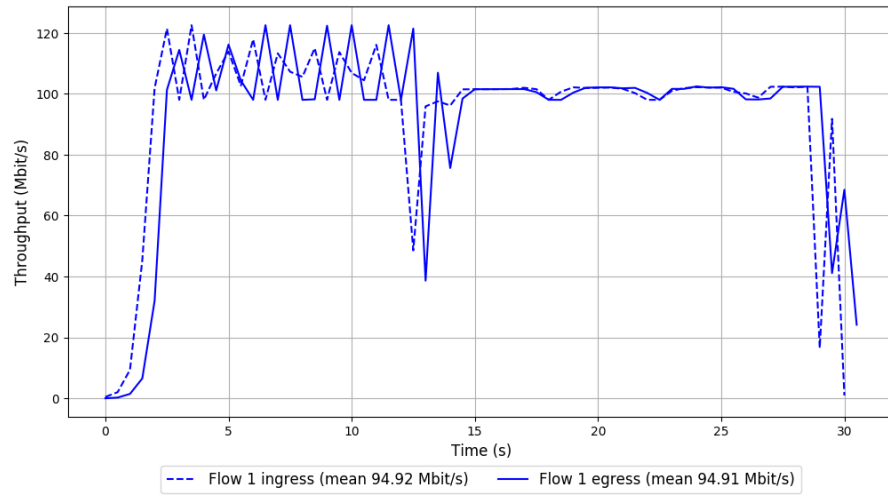
-- Flow 1:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 113.316 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-18 00:14:03

End at: 2018-07-18 00:14:33

Local clock offset: 1.152 ms

Remote clock offset: 1.817 ms

Below is generated by plot.py at 2018-07-18 01:23:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.71 Mbit/s

95th percentile per-packet one-way delay: 111.540 ms

Loss rate: 0.00%

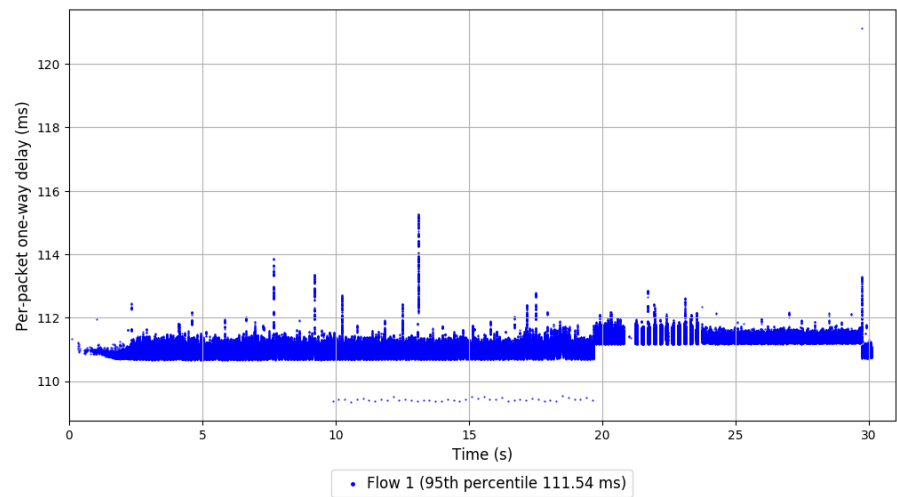
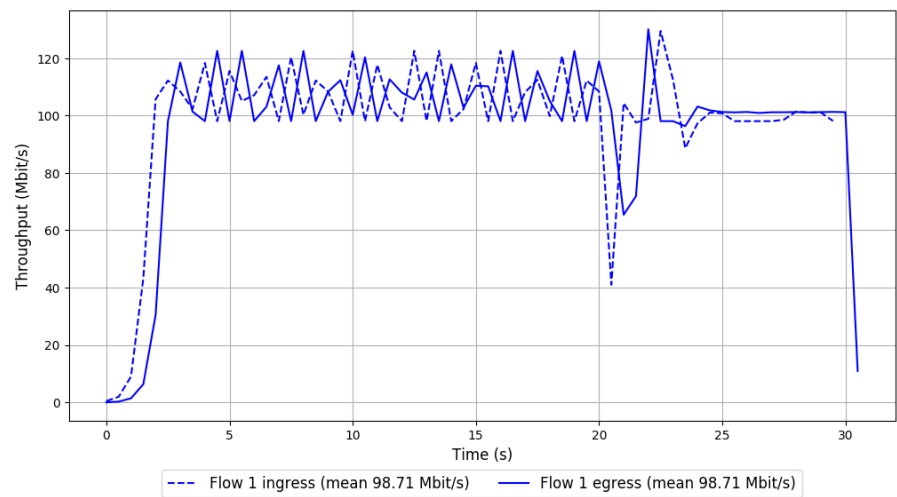
-- Flow 1:

Average throughput: 98.71 Mbit/s

95th percentile per-packet one-way delay: 111.540 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-18 00:36:23

End at: 2018-07-18 00:36:53

Local clock offset: 0.689 ms

Remote clock offset: 1.154 ms

Below is generated by plot.py at 2018-07-18 01:24:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.73 Mbit/s

95th percentile per-packet one-way delay: 112.020 ms

Loss rate: 0.07%

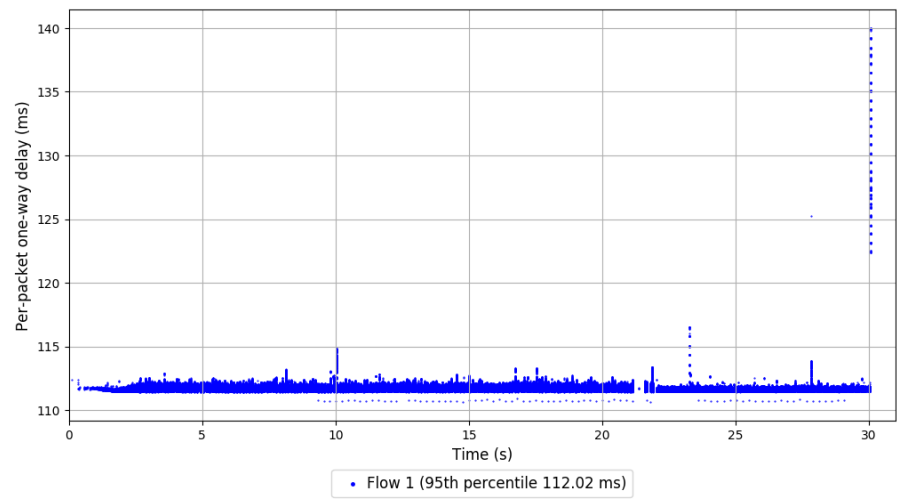
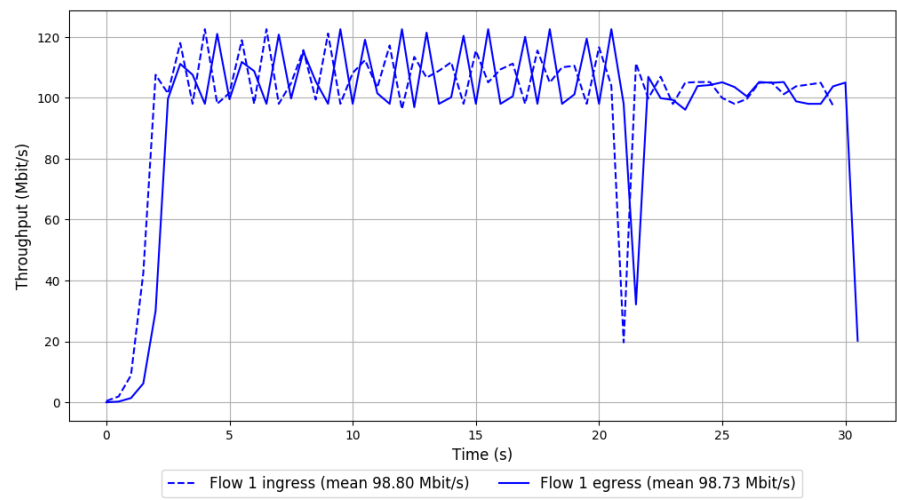
-- Flow 1:

Average throughput: 98.73 Mbit/s

95th percentile per-packet one-way delay: 112.020 ms

Loss rate: 0.07%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-18 00:58:48

End at: 2018-07-18 00:59:18

Local clock offset: 0.154 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-07-18 01:24:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.21 Mbit/s

95th percentile per-packet one-way delay: 111.618 ms

Loss rate: 0.00%

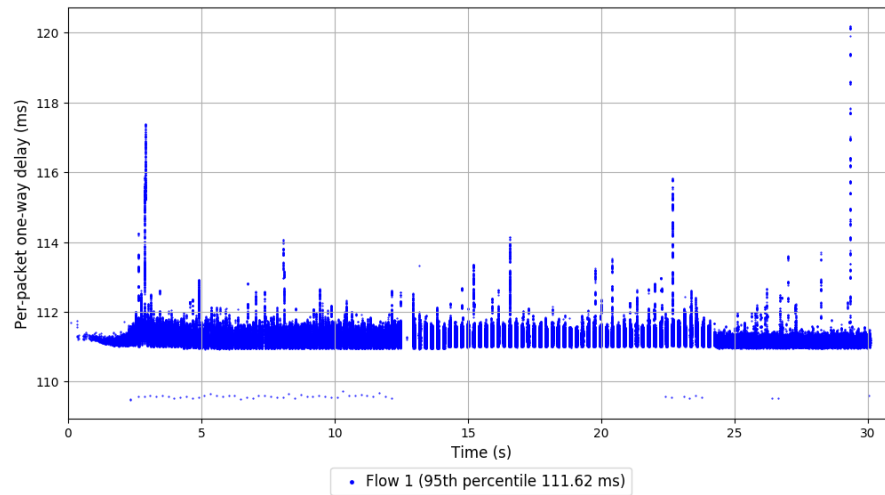
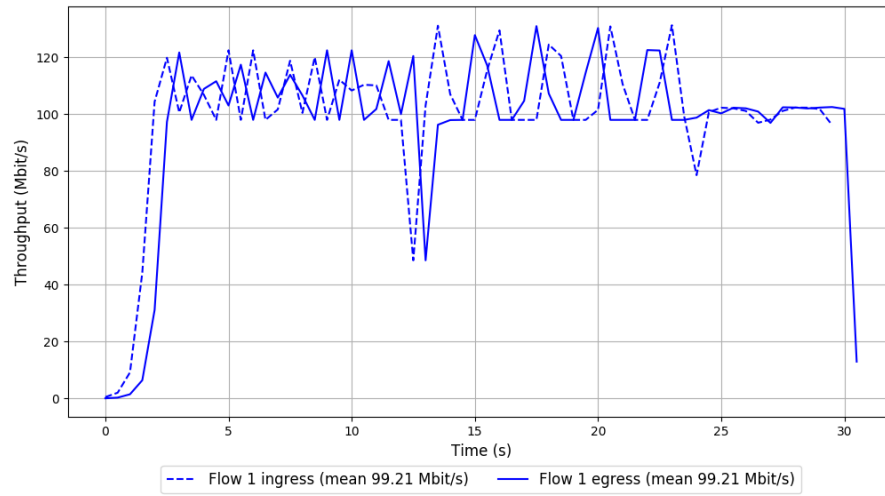
-- Flow 1:

Average throughput: 99.21 Mbit/s

95th percentile per-packet one-way delay: 111.618 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

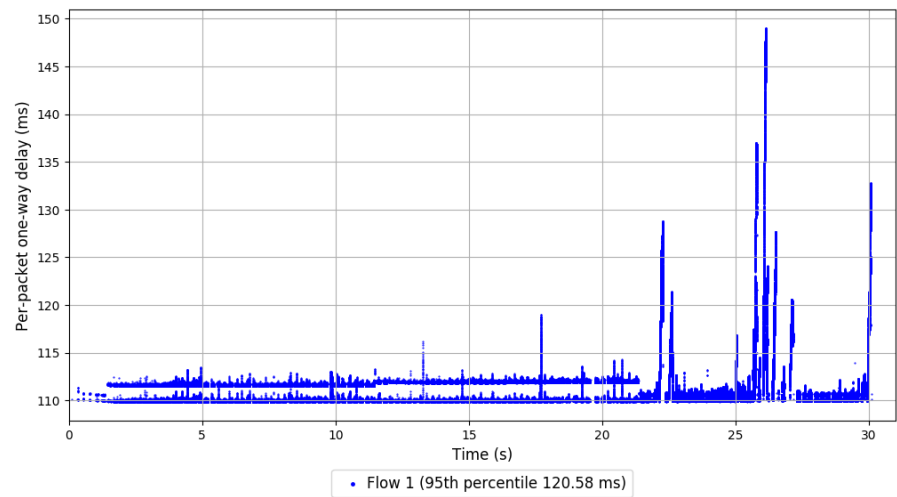
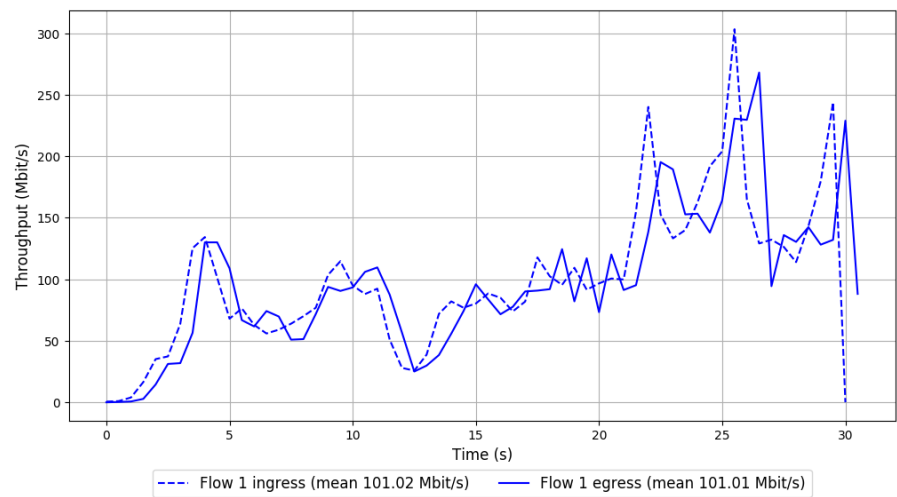


Run 1: Statistics of Copa

Start at: 2018-07-17 21:46:11
End at: 2018-07-17 21:46:41
Local clock offset: 21.356 ms
Remote clock offset: 19.782 ms

Below is generated by plot.py at 2018-07-18 01:25:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.01 Mbit/s
95th percentile per-packet one-way delay: 120.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.01 Mbit/s
95th percentile per-packet one-way delay: 120.583 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

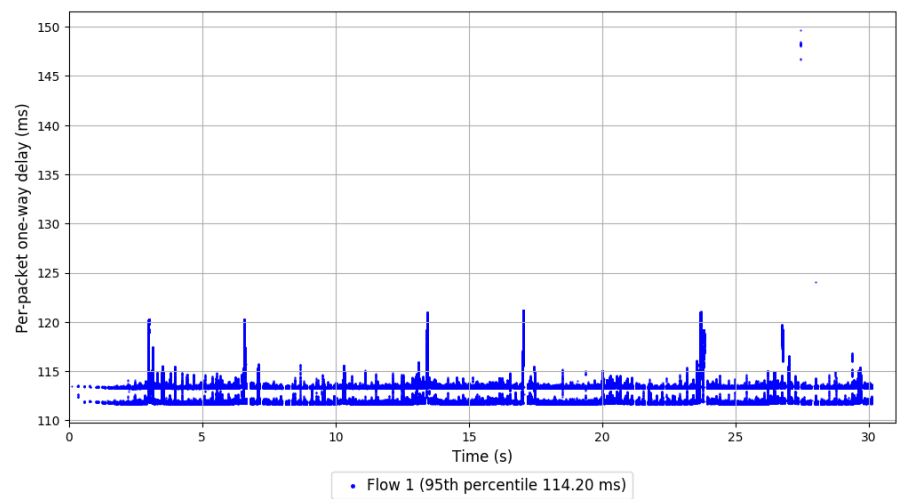
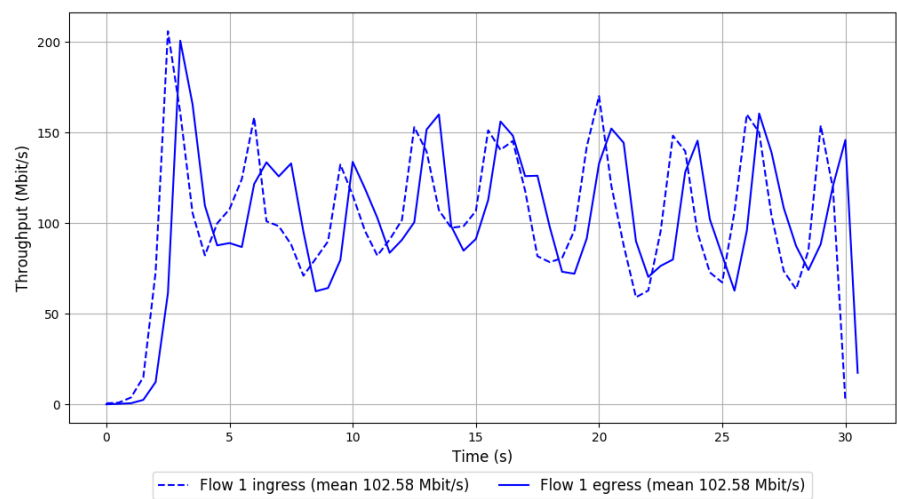


Run 2: Statistics of Copa

Start at: 2018-07-17 22:08:19
End at: 2018-07-17 22:08:49
Local clock offset: 23.103 ms
Remote clock offset: 22.621 ms

Below is generated by plot.py at 2018-07-18 01:25:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.58 Mbit/s
95th percentile per-packet one-way delay: 114.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.58 Mbit/s
95th percentile per-packet one-way delay: 114.198 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

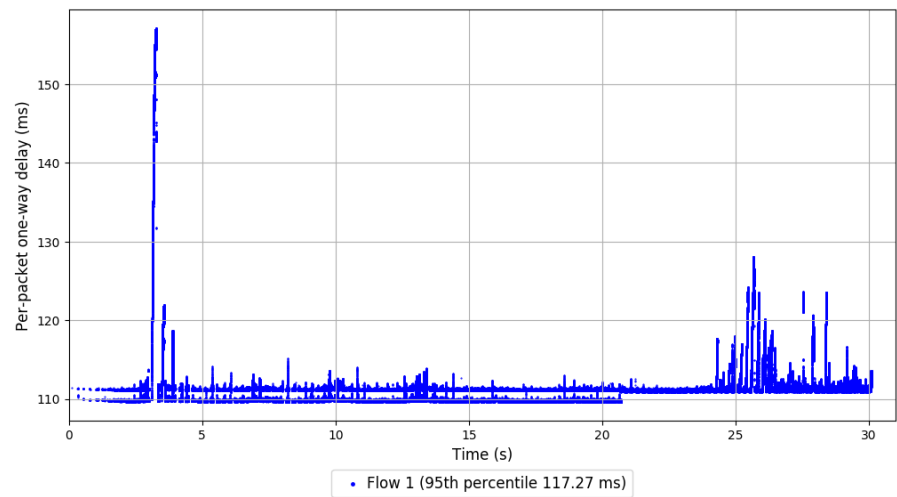
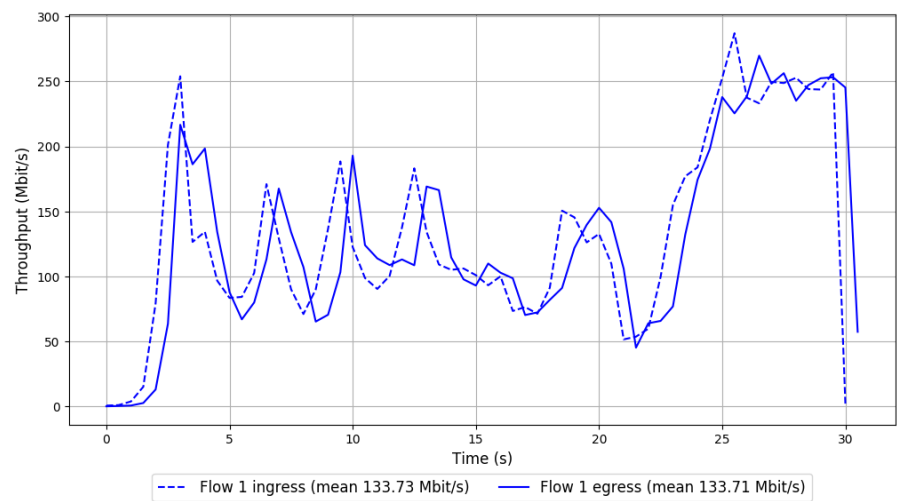


Run 3: Statistics of Copa

Start at: 2018-07-17 22:30:52
End at: 2018-07-17 22:31:22
Local clock offset: 21.993 ms
Remote clock offset: 19.778 ms

Below is generated by plot.py at 2018-07-18 01:26:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.71 Mbit/s
95th percentile per-packet one-way delay: 117.270 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 133.71 Mbit/s
95th percentile per-packet one-way delay: 117.270 ms
Loss rate: 0.01%

Run 3: Report of Copa — Data Link

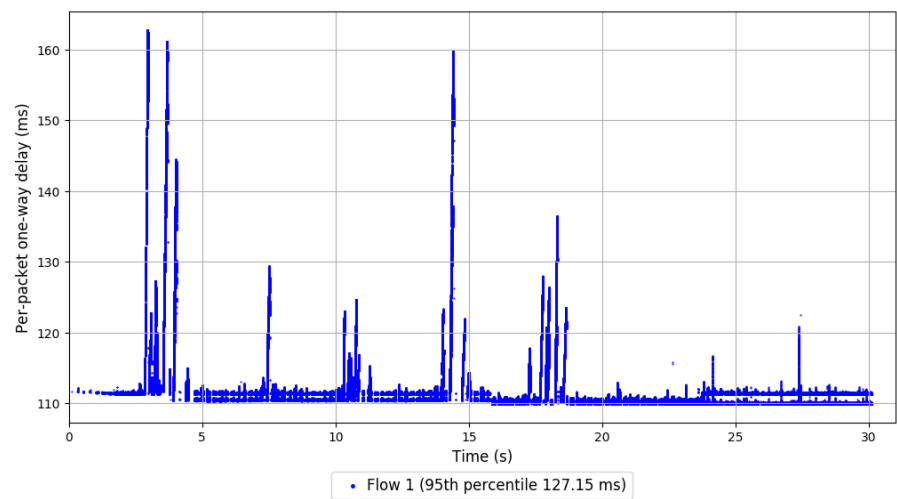
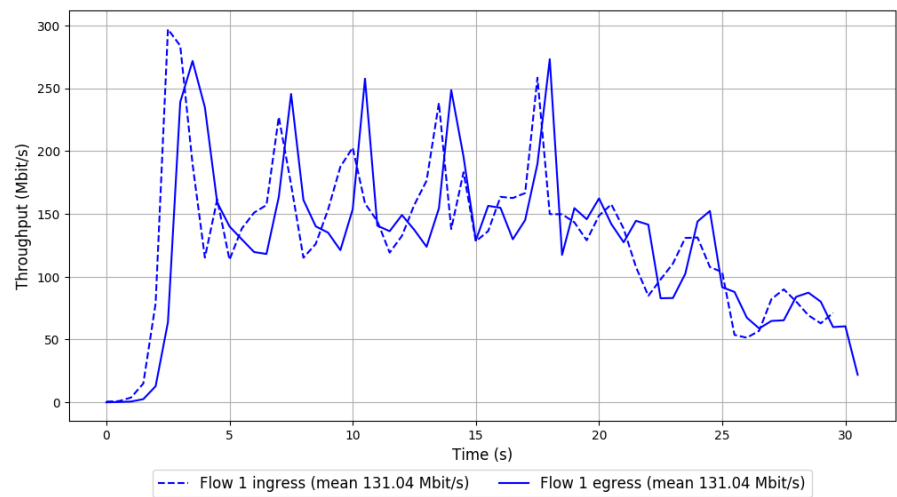


Run 4: Statistics of Copa

Start at: 2018-07-17 22:53:27
End at: 2018-07-17 22:53:57
Local clock offset: 18.204 ms
Remote clock offset: 16.536 ms

Below is generated by plot.py at 2018-07-18 01:26:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.04 Mbit/s
95th percentile per-packet one-way delay: 127.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.04 Mbit/s
95th percentile per-packet one-way delay: 127.148 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-17 23:16:08

End at: 2018-07-17 23:16:38

Local clock offset: 4.606 ms

Remote clock offset: 7.084 ms

Below is generated by plot.py at 2018-07-18 01:26:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.20 Mbit/s

95th percentile per-packet one-way delay: 121.541 ms

Loss rate: 0.00%

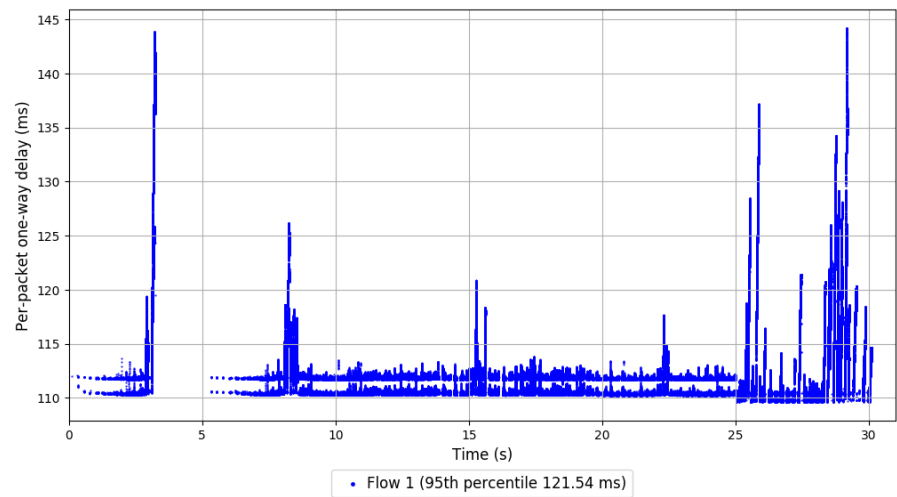
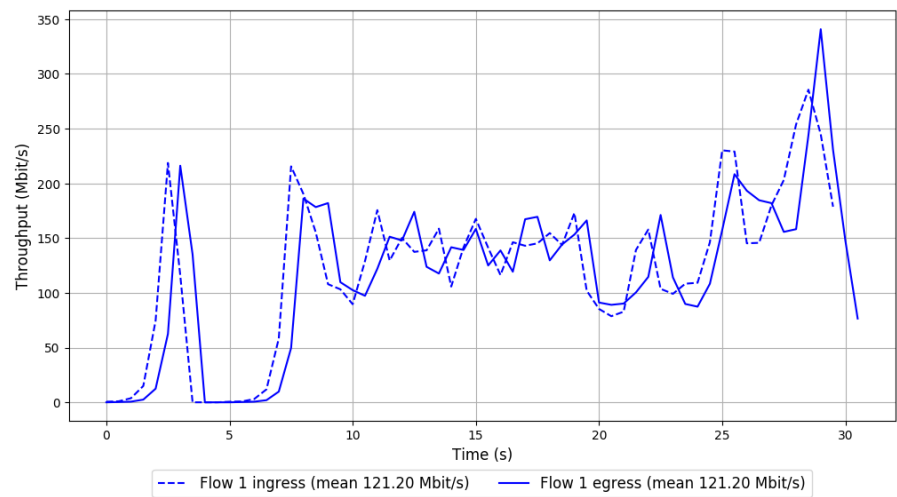
-- Flow 1:

Average throughput: 121.20 Mbit/s

95th percentile per-packet one-way delay: 121.541 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-17 23:38:20

End at: 2018-07-17 23:38:50

Local clock offset: 2.56 ms

Remote clock offset: 5.371 ms

Below is generated by plot.py at 2018-07-18 01:27:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.36 Mbit/s

95th percentile per-packet one-way delay: 128.204 ms

Loss rate: 0.00%

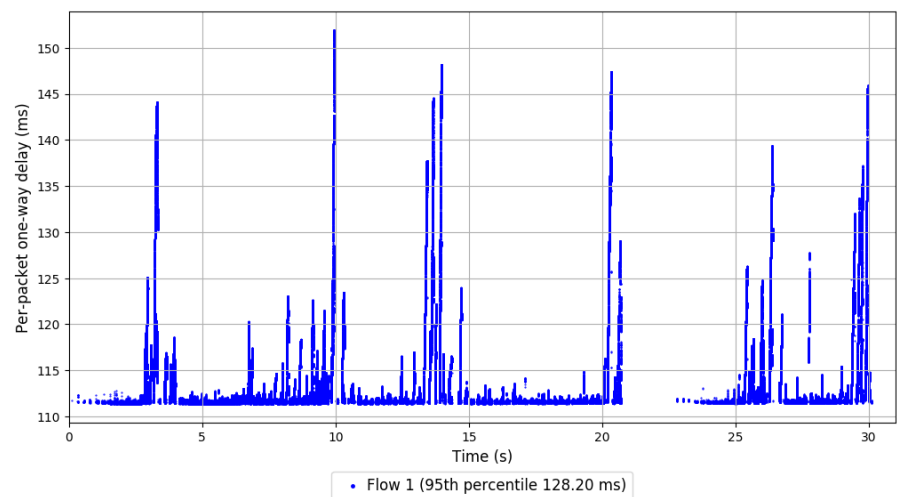
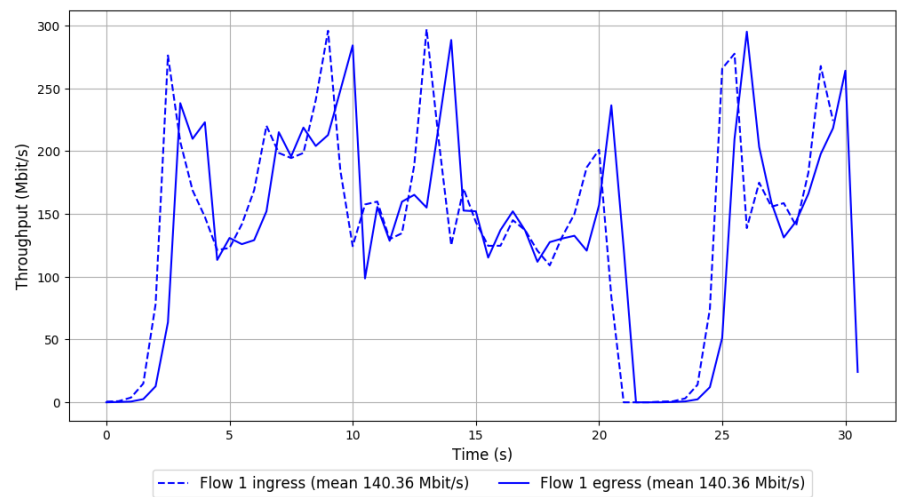
-- Flow 1:

Average throughput: 140.36 Mbit/s

95th percentile per-packet one-way delay: 128.204 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-18 00:00:46

End at: 2018-07-18 00:01:16

Local clock offset: 1.685 ms

Remote clock offset: 3.623 ms

Below is generated by plot.py at 2018-07-18 01:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.06 Mbit/s

95th percentile per-packet one-way delay: 116.134 ms

Loss rate: 0.00%

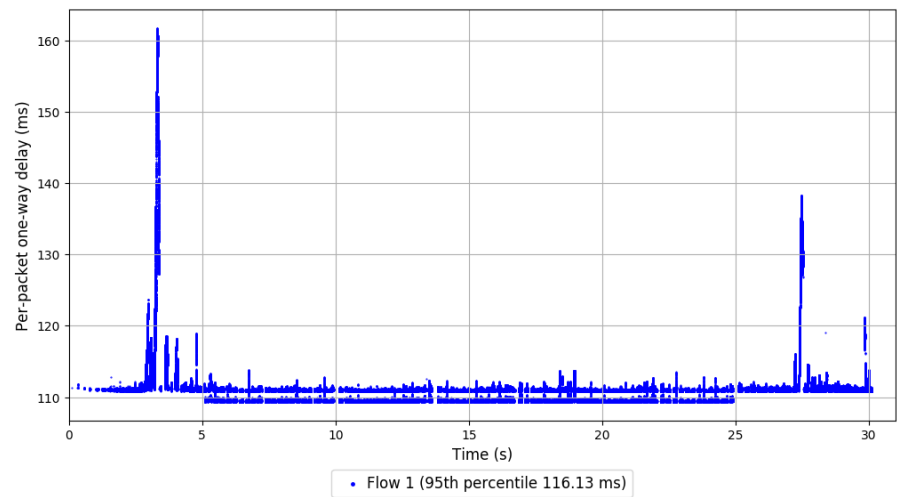
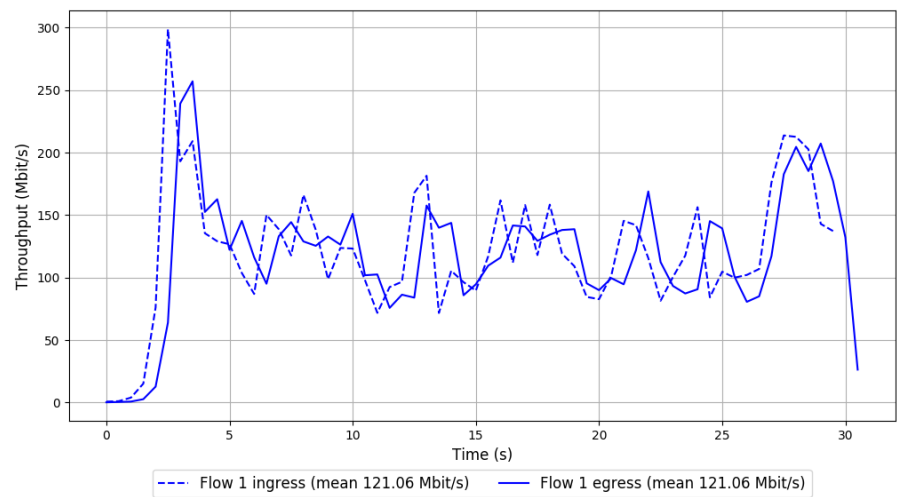
-- Flow 1:

Average throughput: 121.06 Mbit/s

95th percentile per-packet one-way delay: 116.134 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-18 00:23:04

End at: 2018-07-18 00:23:34

Local clock offset: 0.57 ms

Remote clock offset: 0.863 ms

Below is generated by plot.py at 2018-07-18 01:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.39 Mbit/s

95th percentile per-packet one-way delay: 129.573 ms

Loss rate: 0.00%

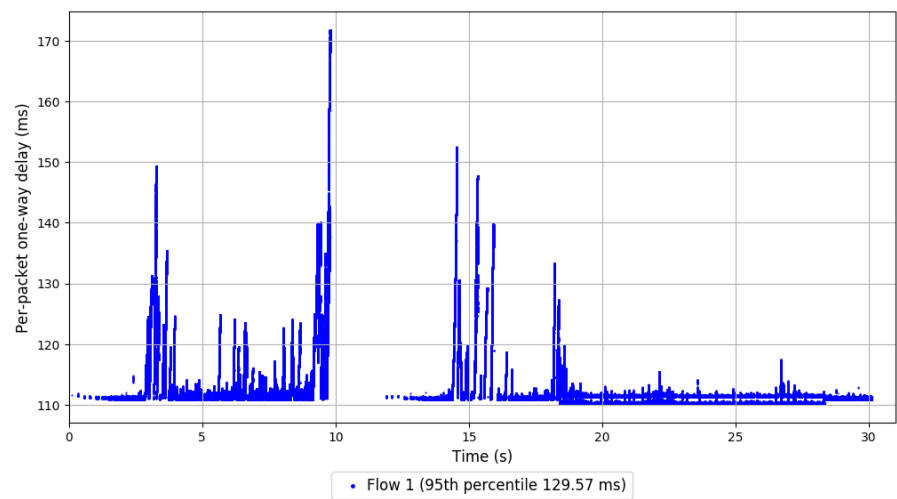
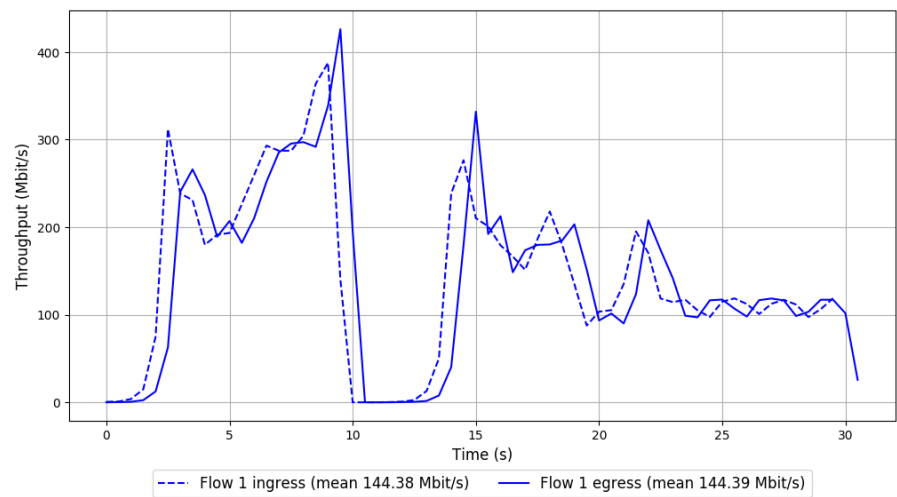
-- Flow 1:

Average throughput: 144.39 Mbit/s

95th percentile per-packet one-way delay: 129.573 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-18 00:45:22

End at: 2018-07-18 00:45:52

Local clock offset: 0.095 ms

Remote clock offset: 0.487 ms

Below is generated by plot.py at 2018-07-18 01:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.00 Mbit/s

95th percentile per-packet one-way delay: 127.205 ms

Loss rate: 0.00%

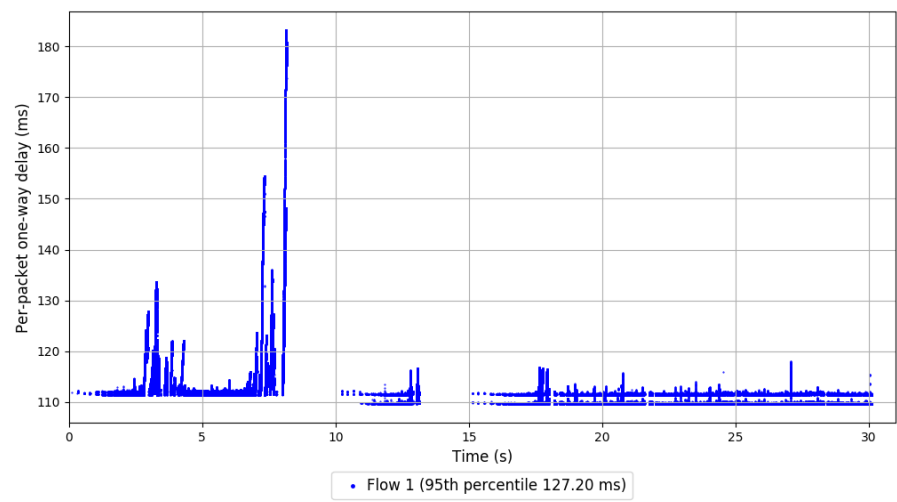
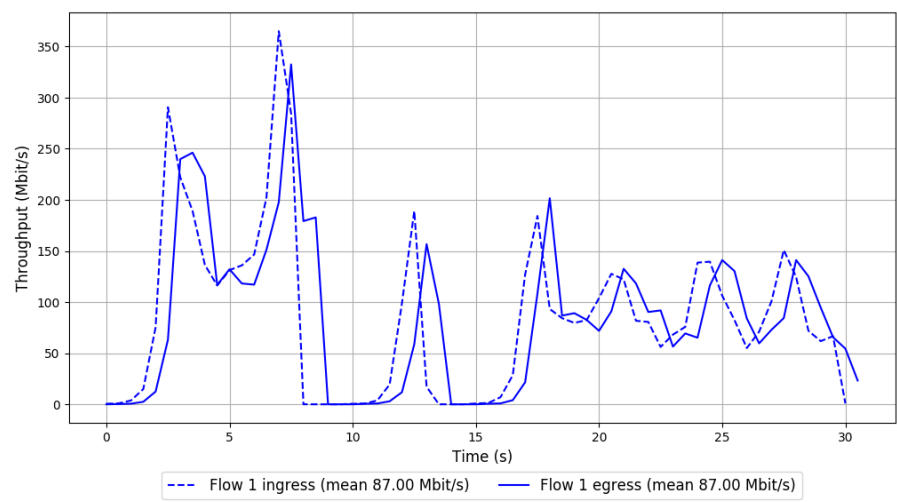
-- Flow 1:

Average throughput: 87.00 Mbit/s

95th percentile per-packet one-way delay: 127.205 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-18 01:07:49

End at: 2018-07-18 01:08:19

Local clock offset: 0.32 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-07-18 01:30:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.12 Mbit/s

95th percentile per-packet one-way delay: 128.712 ms

Loss rate: 0.00%

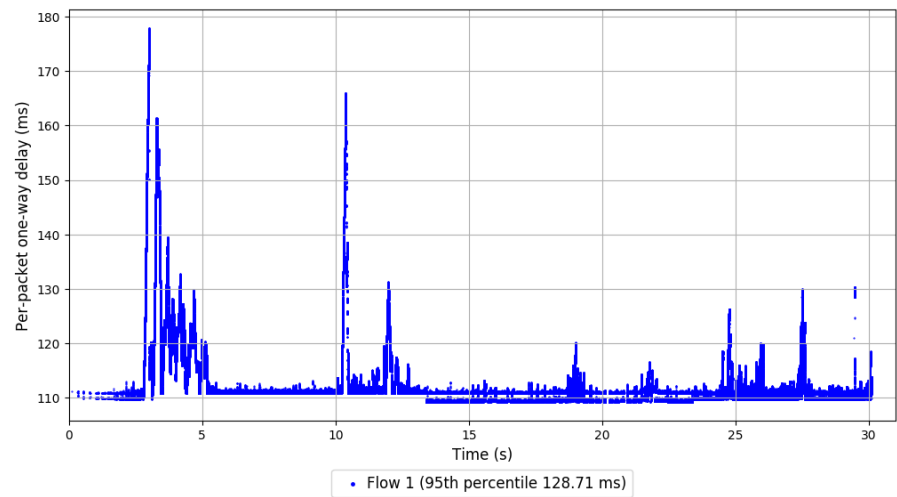
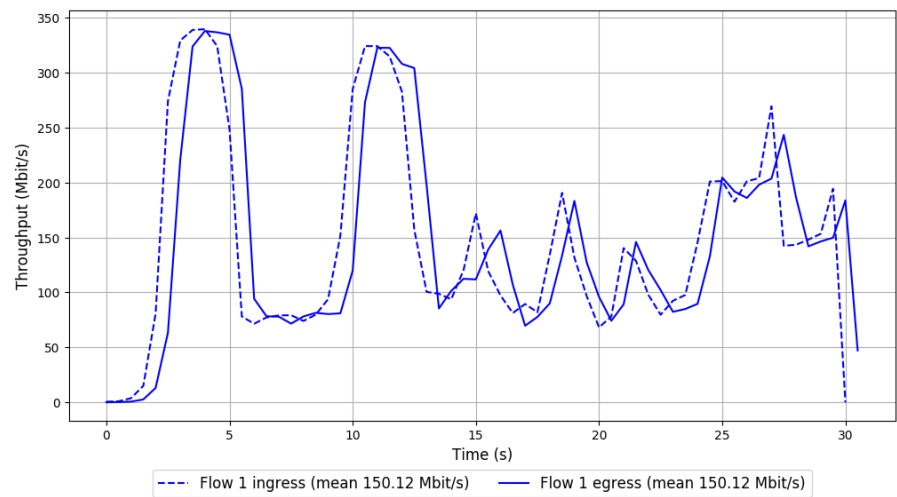
-- Flow 1:

Average throughput: 150.12 Mbit/s

95th percentile per-packet one-way delay: 128.712 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

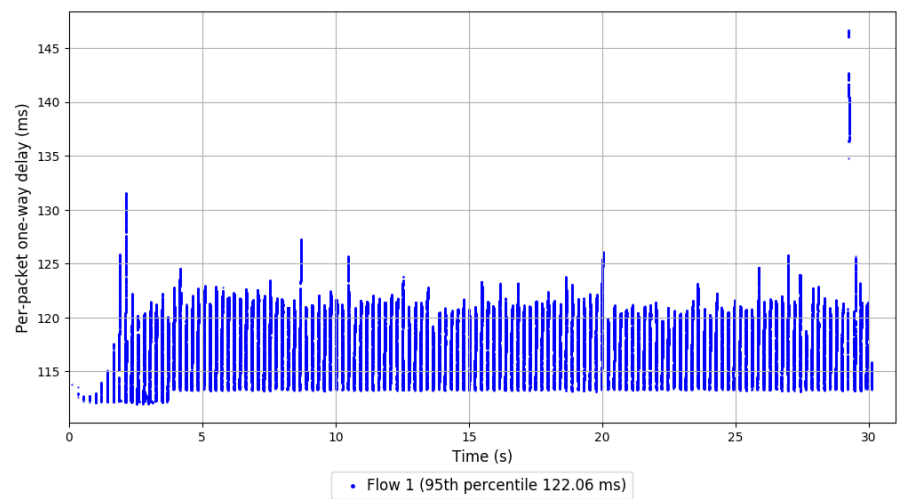
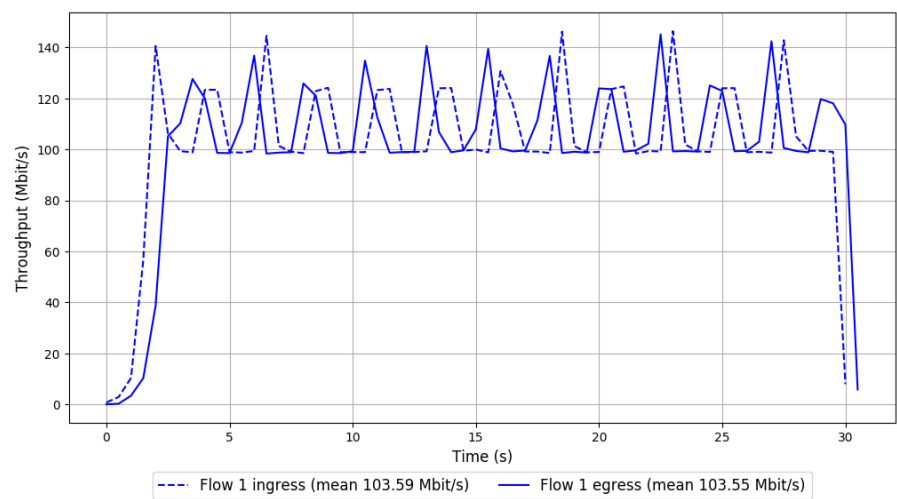


Run 1: Statistics of TCP Cubic

Start at: 2018-07-17 21:49:09
End at: 2018-07-17 21:49:39
Local clock offset: 24.36 ms
Remote clock offset: 23.908 ms

Below is generated by plot.py at 2018-07-18 01:30:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.55 Mbit/s
95th percentile per-packet one-way delay: 122.058 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 103.55 Mbit/s
95th percentile per-packet one-way delay: 122.058 ms
Loss rate: 0.03%

Run 1: Report of TCP Cubic — Data Link

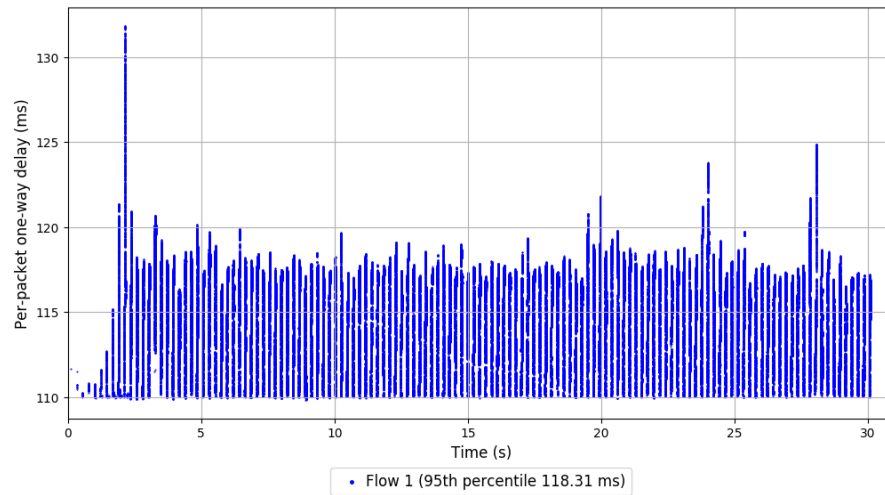
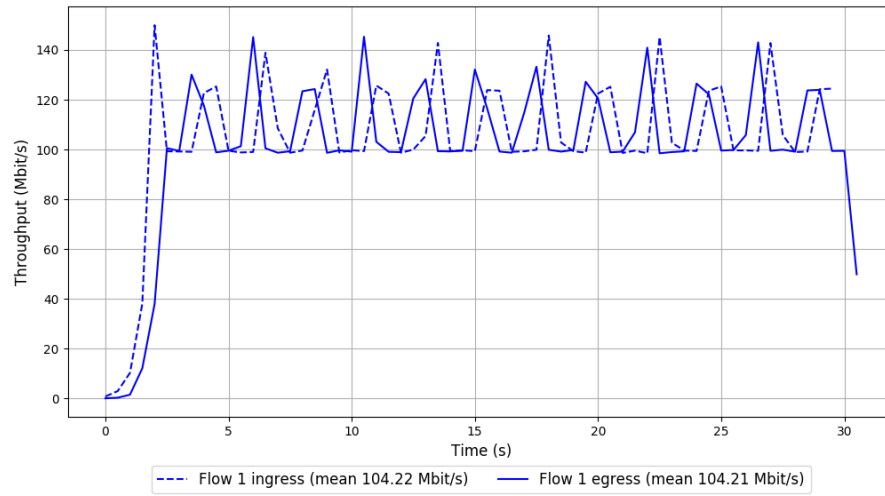


Run 2: Statistics of TCP Cubic

Start at: 2018-07-17 22:11:18
End at: 2018-07-17 22:11:48
Local clock offset: 27.01 ms
Remote clock offset: 24.379 ms

Below is generated by plot.py at 2018-07-18 01:30:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.21 Mbit/s
95th percentile per-packet one-way delay: 118.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.21 Mbit/s
95th percentile per-packet one-way delay: 118.312 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

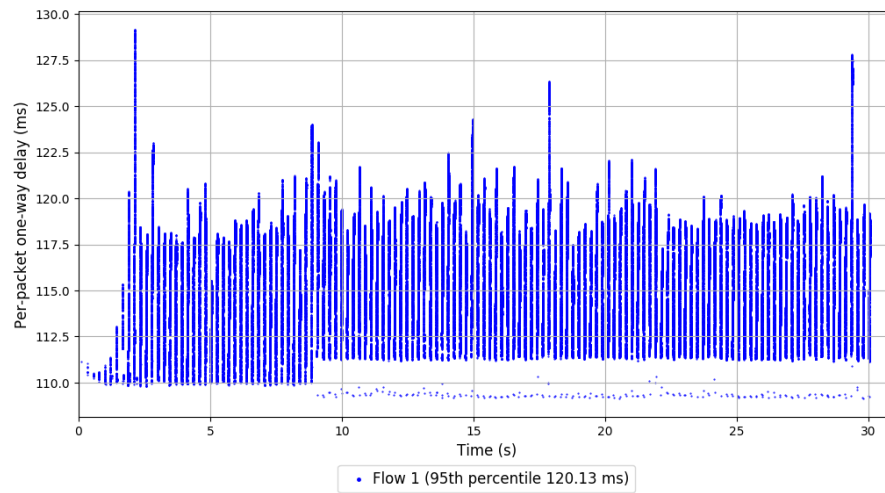
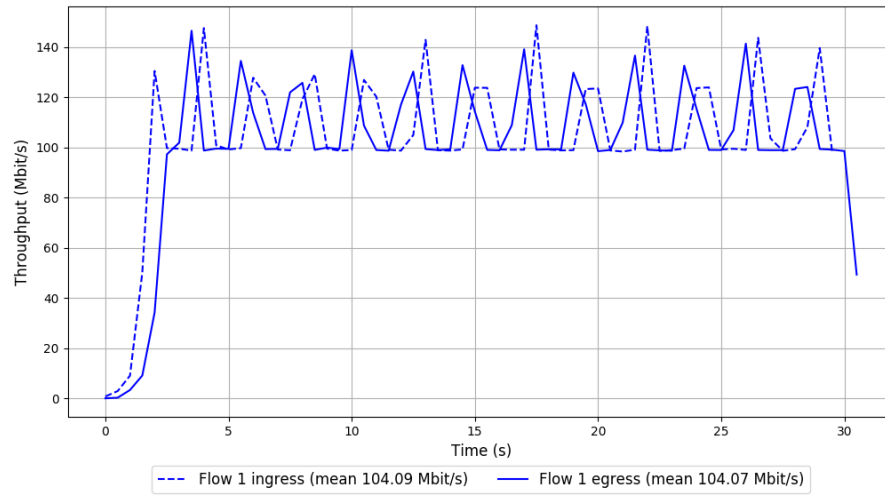


Run 3: Statistics of TCP Cubic

Start at: 2018-07-17 22:33:54
End at: 2018-07-17 22:34:24
Local clock offset: 18.254 ms
Remote clock offset: 16.413 ms

Below is generated by plot.py at 2018-07-18 01:30:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.07 Mbit/s
95th percentile per-packet one-way delay: 120.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.07 Mbit/s
95th percentile per-packet one-way delay: 120.129 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

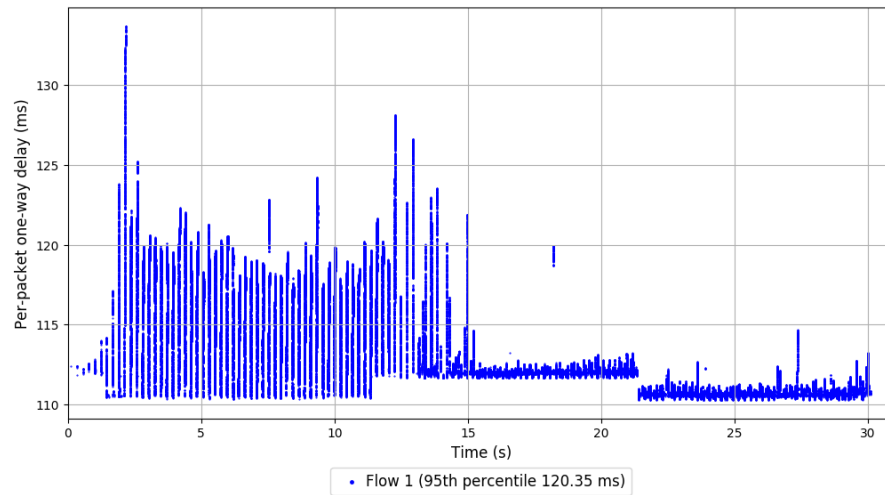
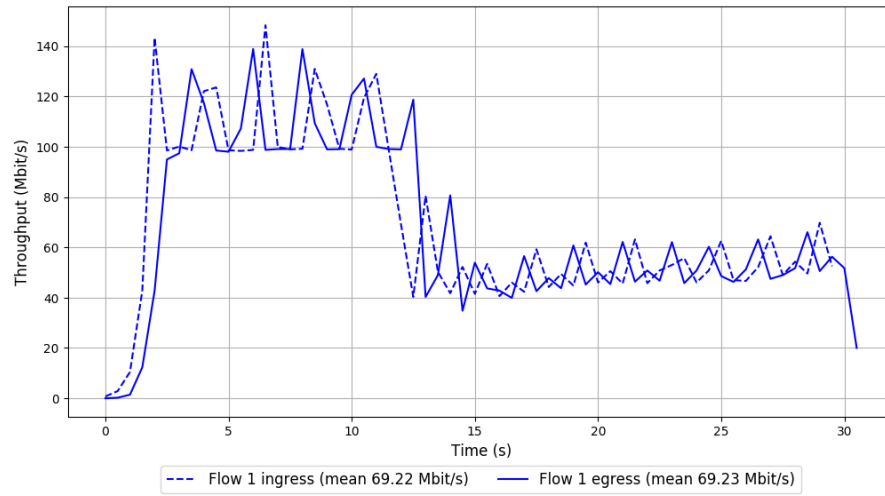


Run 4: Statistics of TCP Cubic

Start at: 2018-07-17 22:56:31
End at: 2018-07-17 22:57:01
Local clock offset: 19.549 ms
Remote clock offset: 18.132 ms

Below is generated by plot.py at 2018-07-18 01:30:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.23 Mbit/s
95th percentile per-packet one-way delay: 120.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.23 Mbit/s
95th percentile per-packet one-way delay: 120.351 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-17 23:19:06

End at: 2018-07-17 23:19:36

Local clock offset: 4.254 ms

Remote clock offset: 6.779 ms

Below is generated by plot.py at 2018-07-18 01:30:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.52 Mbit/s

95th percentile per-packet one-way delay: 119.776 ms

Loss rate: 0.00%

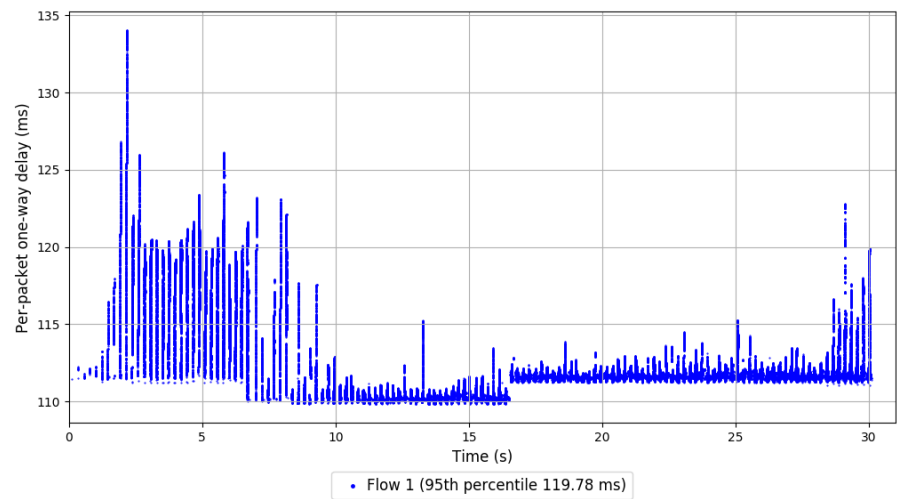
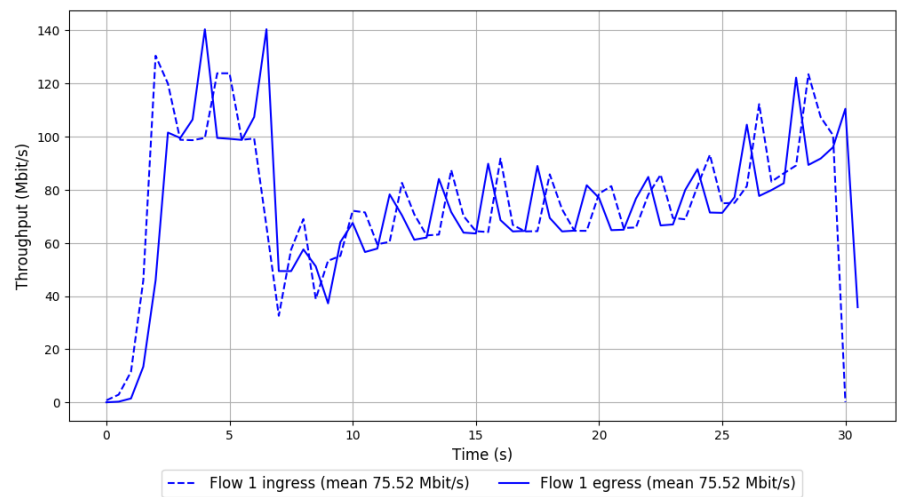
-- Flow 1:

Average throughput: 75.52 Mbit/s

95th percentile per-packet one-way delay: 119.776 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-17 23:41:13

End at: 2018-07-17 23:41:43

Local clock offset: 1.978 ms

Remote clock offset: 4.036 ms

Below is generated by plot.py at 2018-07-18 01:30:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.81 Mbit/s

95th percentile per-packet one-way delay: 120.450 ms

Loss rate: 0.00%

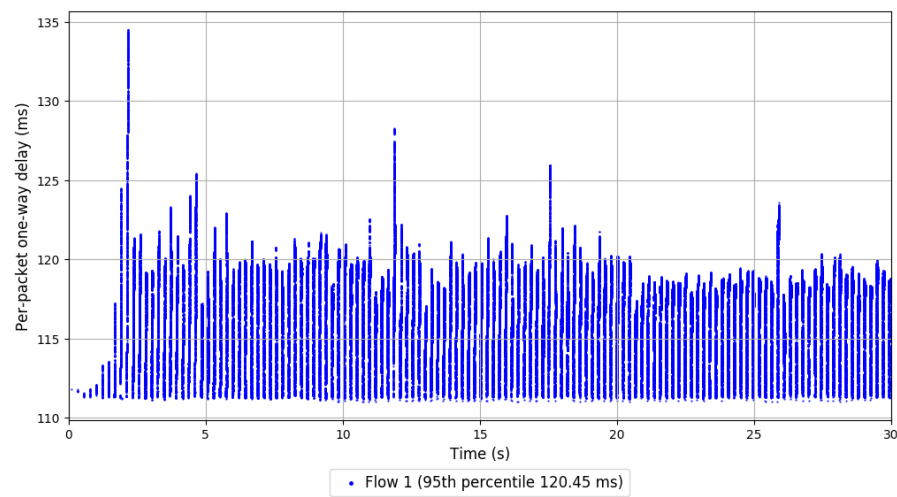
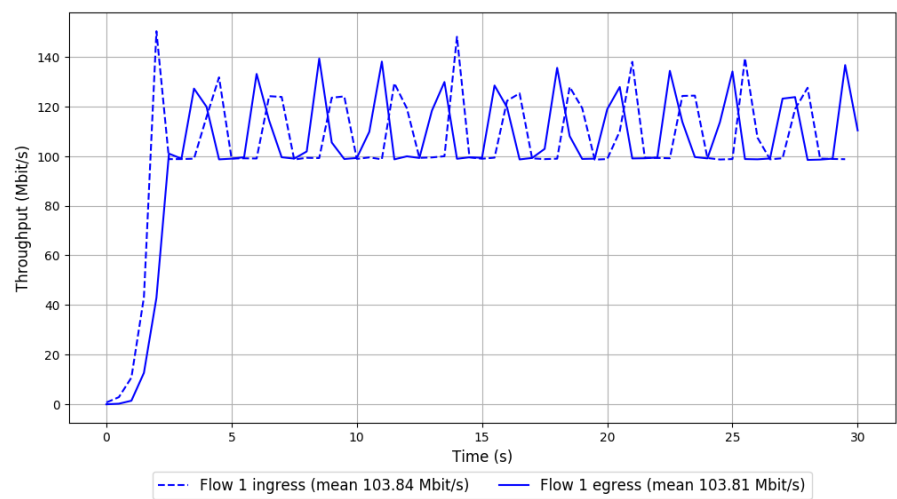
-- Flow 1:

Average throughput: 103.81 Mbit/s

95th percentile per-packet one-way delay: 120.450 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 00:03:45

End at: 2018-07-18 00:04:15

Local clock offset: 1.56 ms

Remote clock offset: 3.872 ms

Below is generated by plot.py at 2018-07-18 01:30:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.26 Mbit/s

95th percentile per-packet one-way delay: 120.022 ms

Loss rate: 0.00%

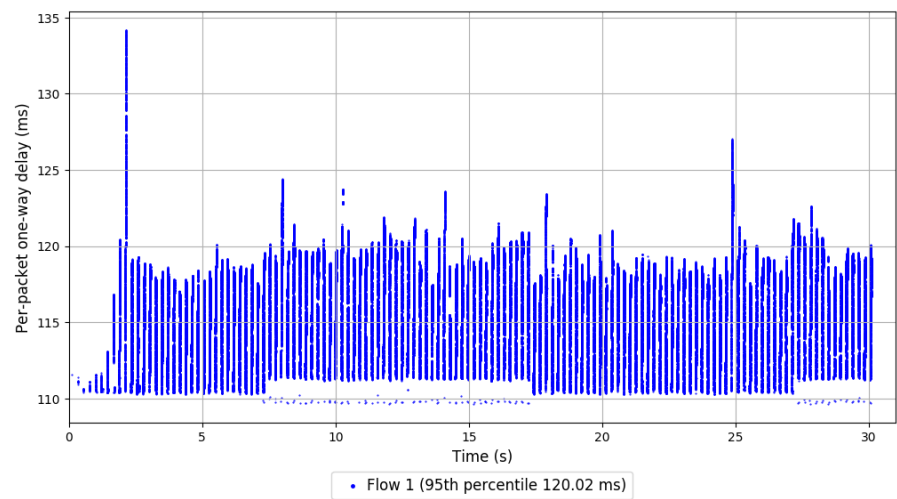
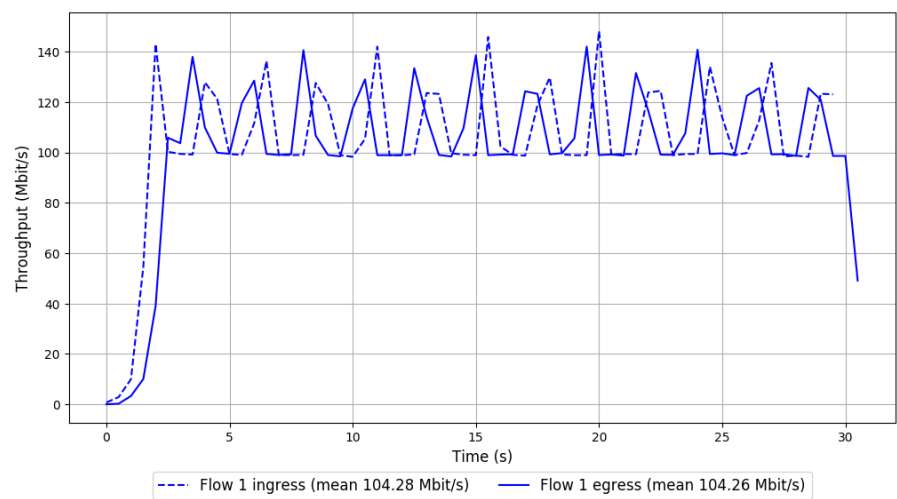
-- Flow 1:

Average throughput: 104.26 Mbit/s

95th percentile per-packet one-way delay: 120.022 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 00:25:52

End at: 2018-07-18 00:26:22

Local clock offset: 0.407 ms

Remote clock offset: 0.774 ms

Below is generated by plot.py at 2018-07-18 01:30:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.54 Mbit/s

95th percentile per-packet one-way delay: 120.091 ms

Loss rate: 0.00%

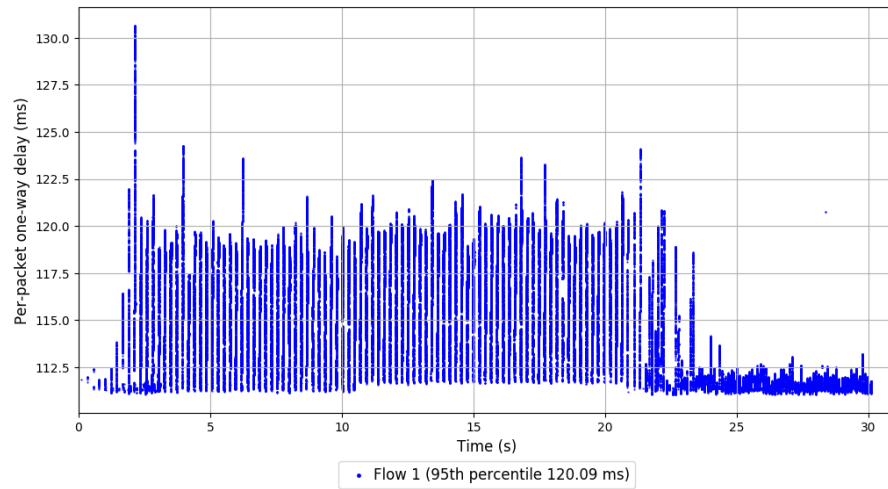
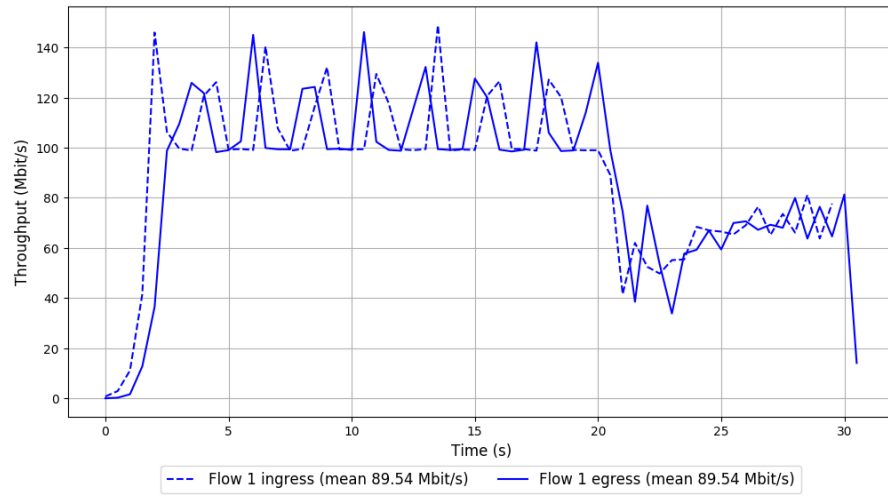
-- Flow 1:

Average throughput: 89.54 Mbit/s

95th percentile per-packet one-way delay: 120.091 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 00:48:17

End at: 2018-07-18 00:48:48

Local clock offset: -1.029 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-07-18 01:30:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.26 Mbit/s

95th percentile per-packet one-way delay: 122.653 ms

Loss rate: 0.00%

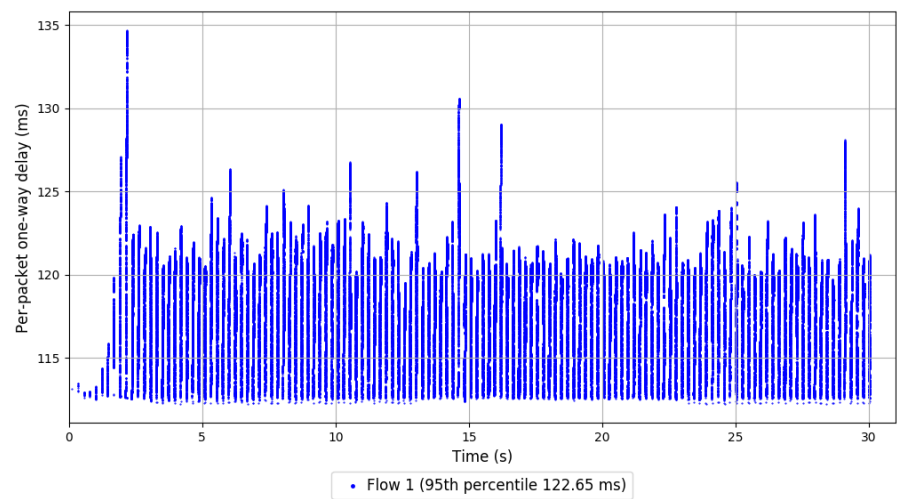
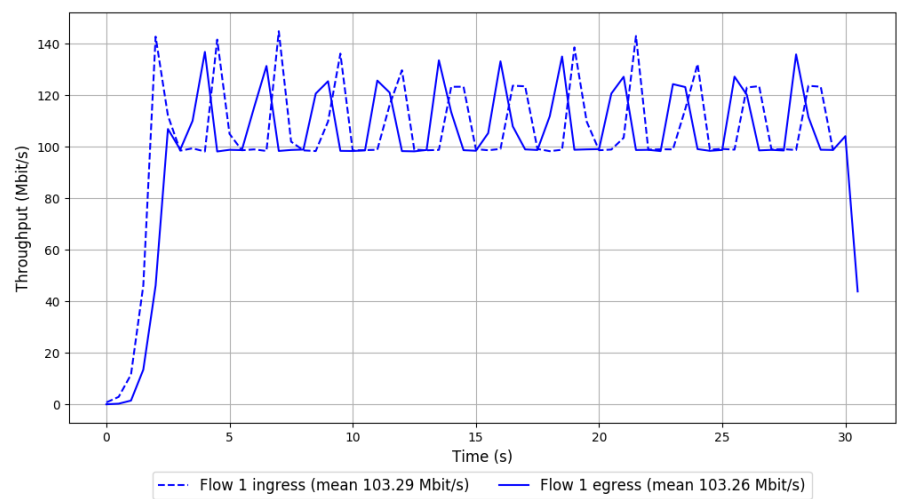
-- Flow 1:

Average throughput: 103.26 Mbit/s

95th percentile per-packet one-way delay: 122.653 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 01:10:53

End at: 2018-07-18 01:11:23

Local clock offset: 0.285 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-07-18 01:30:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.13 Mbit/s

95th percentile per-packet one-way delay: 119.830 ms

Loss rate: 0.00%

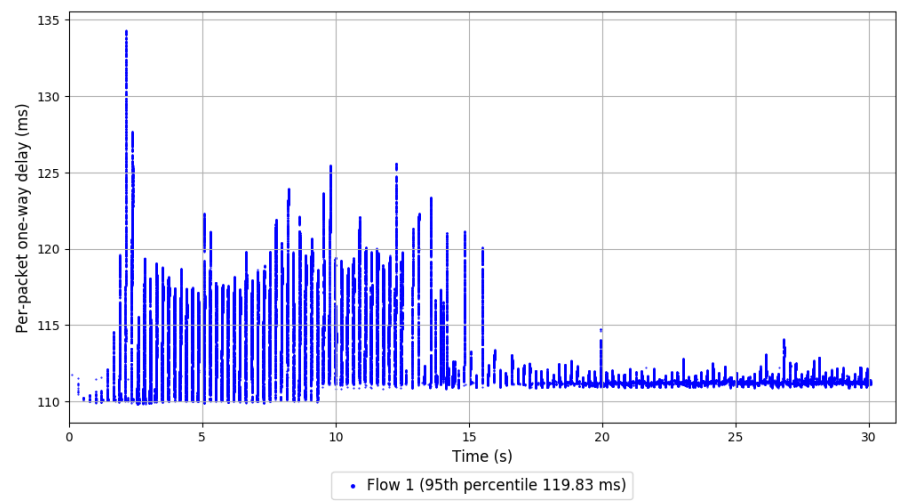
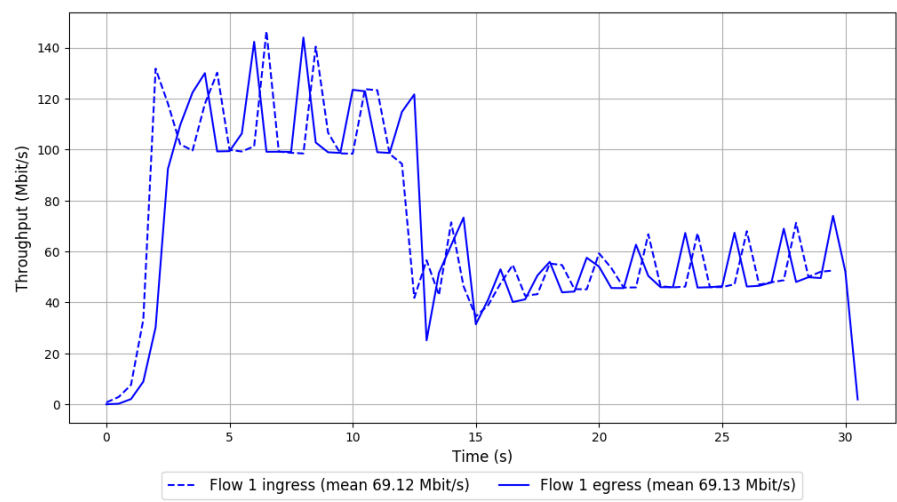
-- Flow 1:

Average throughput: 69.13 Mbit/s

95th percentile per-packet one-way delay: 119.830 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

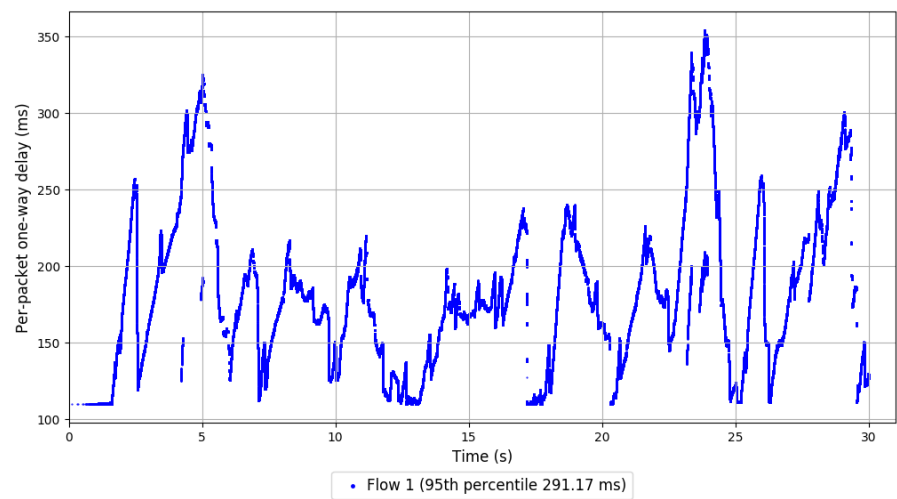
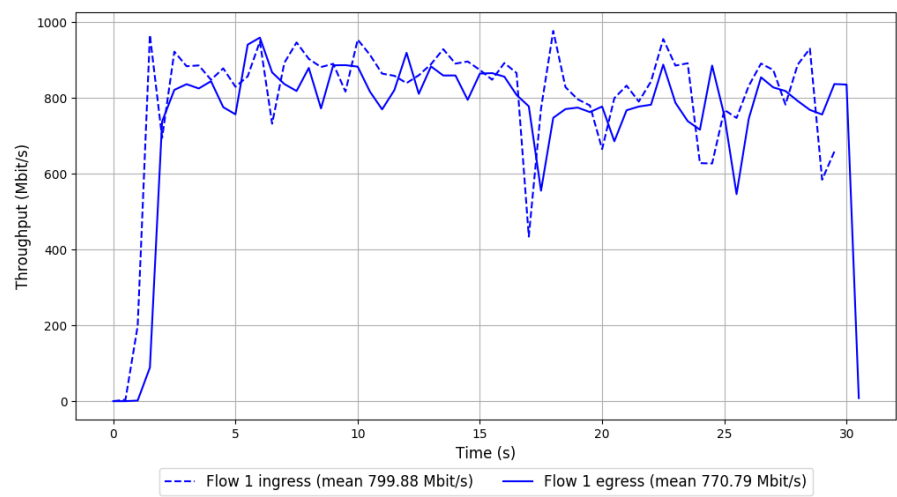


Run 1: Statistics of FillP

Start at: 2018-07-17 21:47:28
End at: 2018-07-17 21:47:58
Local clock offset: 22.9 ms
Remote clock offset: 21.229 ms

Below is generated by plot.py at 2018-07-18 01:43:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 770.79 Mbit/s
95th percentile per-packet one-way delay: 291.166 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 770.79 Mbit/s
95th percentile per-packet one-way delay: 291.166 ms
Loss rate: 3.63%

Run 1: Report of FillP — Data Link

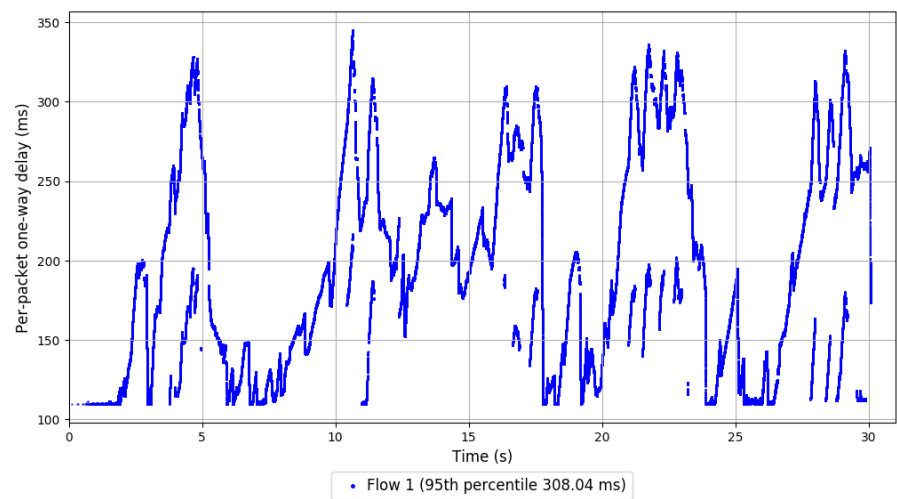
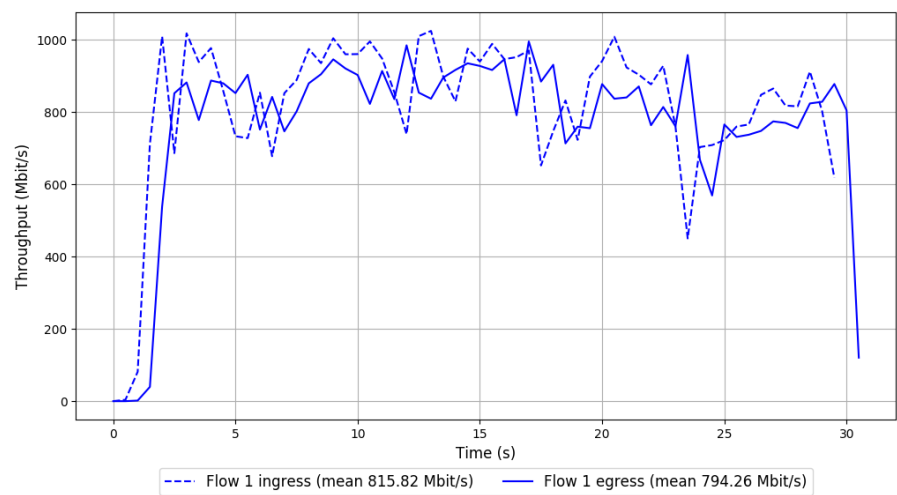


Run 2: Statistics of FillP

Start at: 2018-07-17 22:09:36
End at: 2018-07-17 22:10:06
Local clock offset: 25.648 ms
Remote clock offset: 23.626 ms

Below is generated by plot.py at 2018-07-18 01:43:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 794.26 Mbit/s
95th percentile per-packet one-way delay: 308.036 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 794.26 Mbit/s
95th percentile per-packet one-way delay: 308.036 ms
Loss rate: 2.64%

Run 2: Report of FillP — Data Link

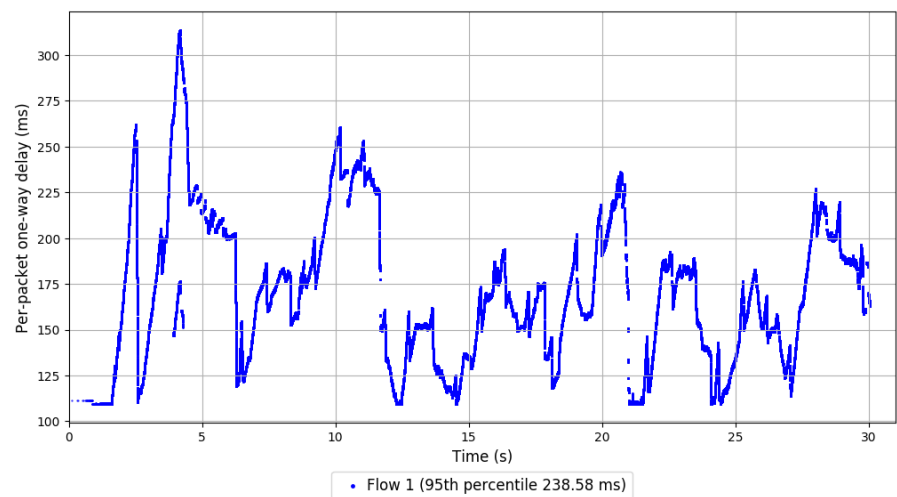
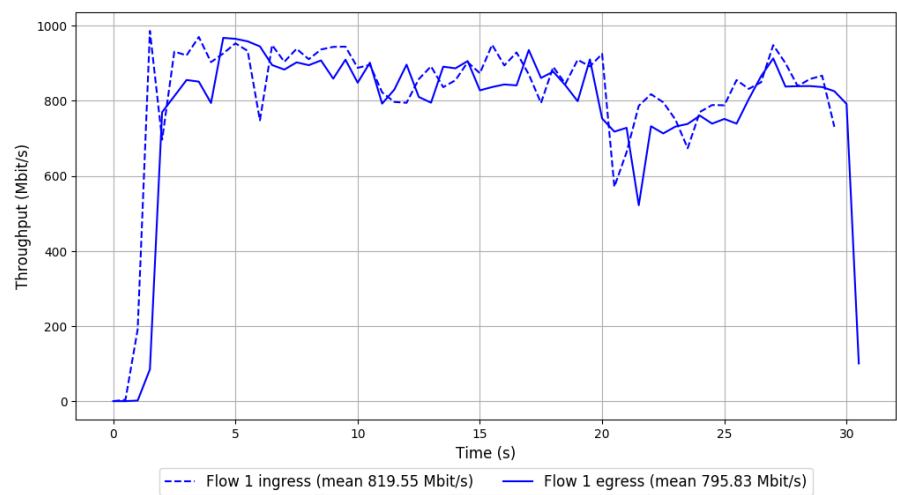


Run 3: Statistics of FillP

Start at: 2018-07-17 22:32:12
End at: 2018-07-17 22:32:42
Local clock offset: 20.291 ms
Remote clock offset: 18.537 ms

Below is generated by plot.py at 2018-07-18 01:44:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 795.83 Mbit/s
95th percentile per-packet one-way delay: 238.581 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 795.83 Mbit/s
95th percentile per-packet one-way delay: 238.581 ms
Loss rate: 2.89%

Run 3: Report of FillP — Data Link

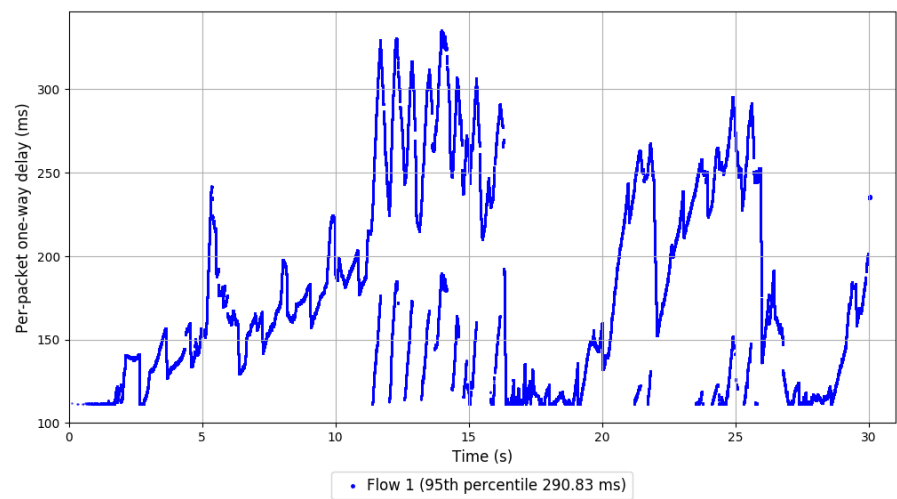
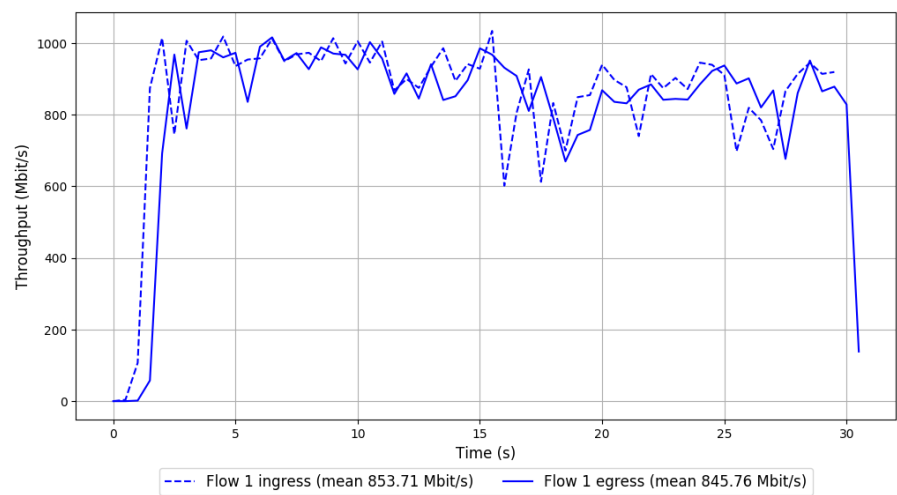


Run 4: Statistics of FillP

Start at: 2018-07-17 22:54:46
End at: 2018-07-17 22:55:16
Local clock offset: 18.844 ms
Remote clock offset: 17.072 ms

Below is generated by plot.py at 2018-07-18 01:45:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 845.76 Mbit/s
95th percentile per-packet one-way delay: 290.830 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 845.76 Mbit/s
95th percentile per-packet one-way delay: 290.830 ms
Loss rate: 0.94%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-17 23:17:25

End at: 2018-07-17 23:17:55

Local clock offset: 4.492 ms

Remote clock offset: 6.719 ms

Below is generated by plot.py at 2018-07-18 01:45:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 737.22 Mbit/s

95th percentile per-packet one-way delay: 307.620 ms

Loss rate: 3.38%

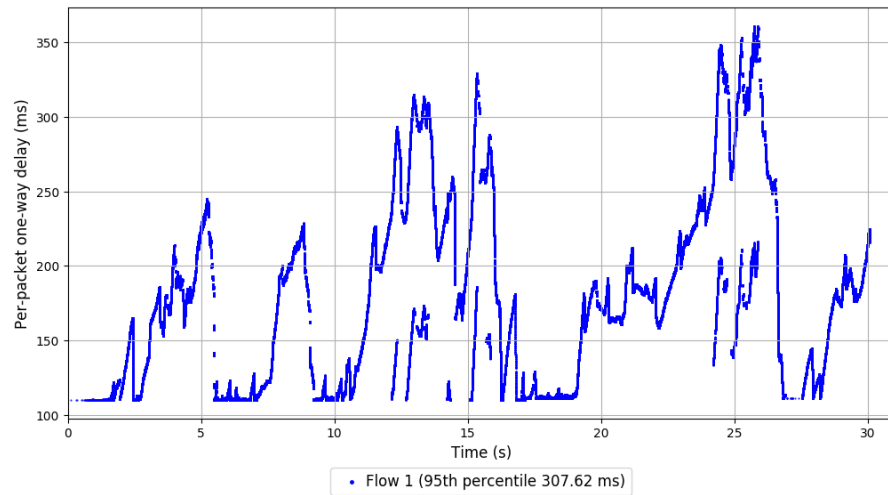
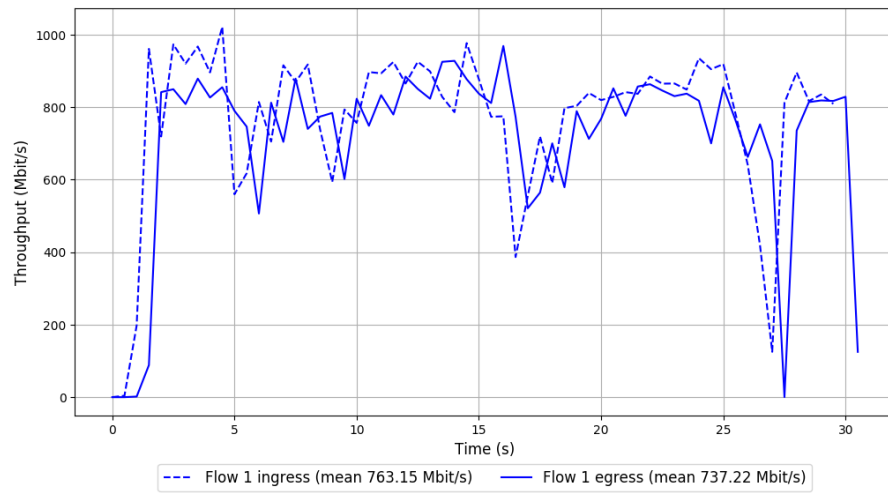
-- Flow 1:

Average throughput: 737.22 Mbit/s

95th percentile per-packet one-way delay: 307.620 ms

Loss rate: 3.38%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-17 23:39:41

End at: 2018-07-17 23:40:11

Local clock offset: 2.27 ms

Remote clock offset: 4.781 ms

Below is generated by plot.py at 2018-07-18 01:45:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 542.71 Mbit/s

95th percentile per-packet one-way delay: 324.304 ms

Loss rate: 2.50%

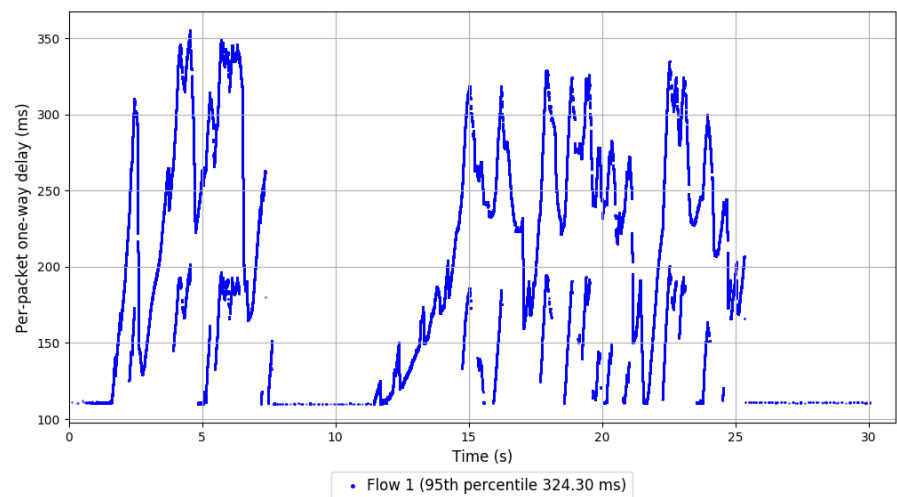
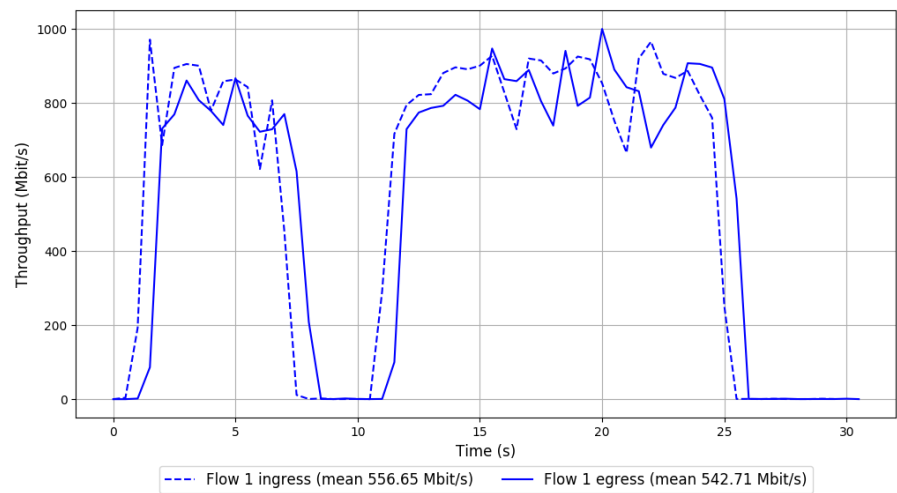
-- Flow 1:

Average throughput: 542.71 Mbit/s

95th percentile per-packet one-way delay: 324.304 ms

Loss rate: 2.50%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-18 00:02:04

End at: 2018-07-18 00:02:34

Local clock offset: 0.507 ms

Remote clock offset: 3.729 ms

Below is generated by plot.py at 2018-07-18 01:45:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 762.44 Mbit/s

95th percentile per-packet one-way delay: 308.069 ms

Loss rate: 4.08%

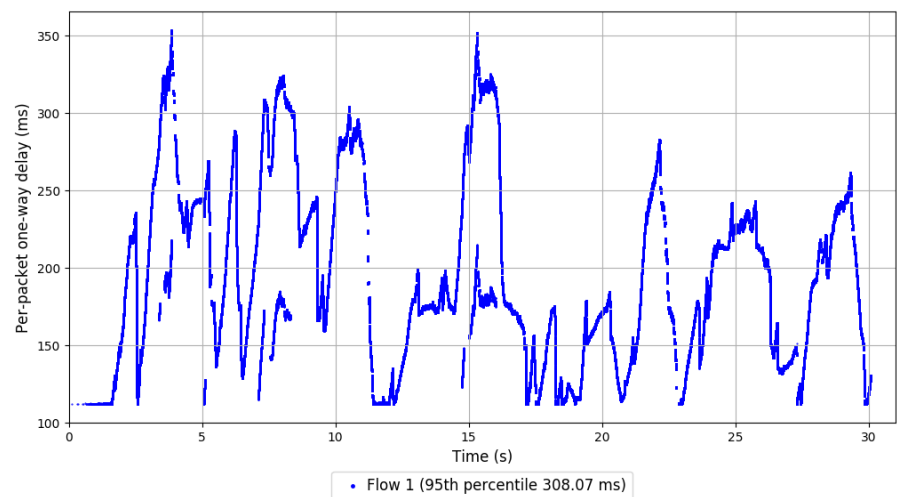
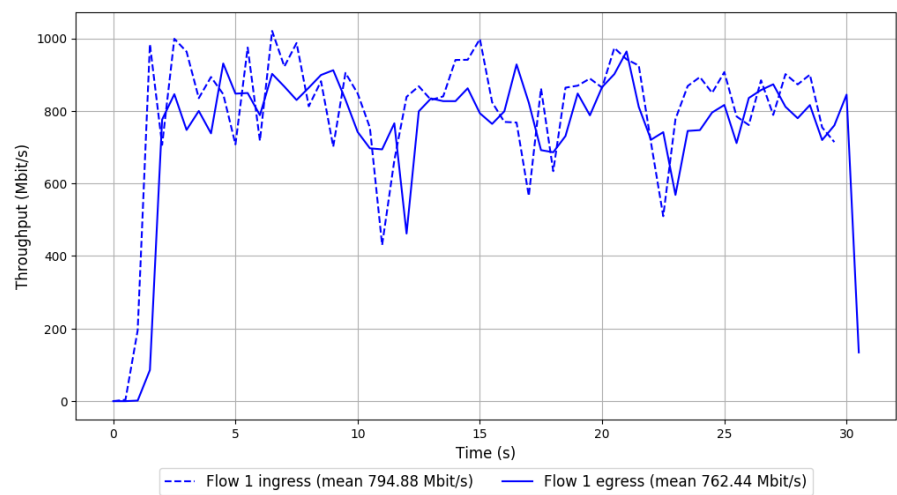
-- Flow 1:

Average throughput: 762.44 Mbit/s

95th percentile per-packet one-way delay: 308.069 ms

Loss rate: 4.08%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-18 00:24:25

End at: 2018-07-18 00:24:55

Local clock offset: -0.686 ms

Remote clock offset: 0.879 ms

Below is generated by plot.py at 2018-07-18 01:45:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 434.96 Mbit/s

95th percentile per-packet one-way delay: 287.596 ms

Loss rate: 2.12%

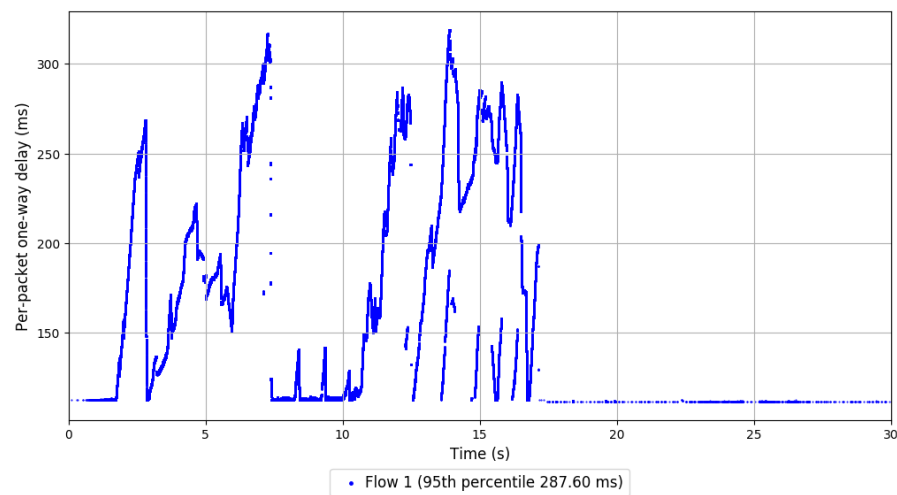
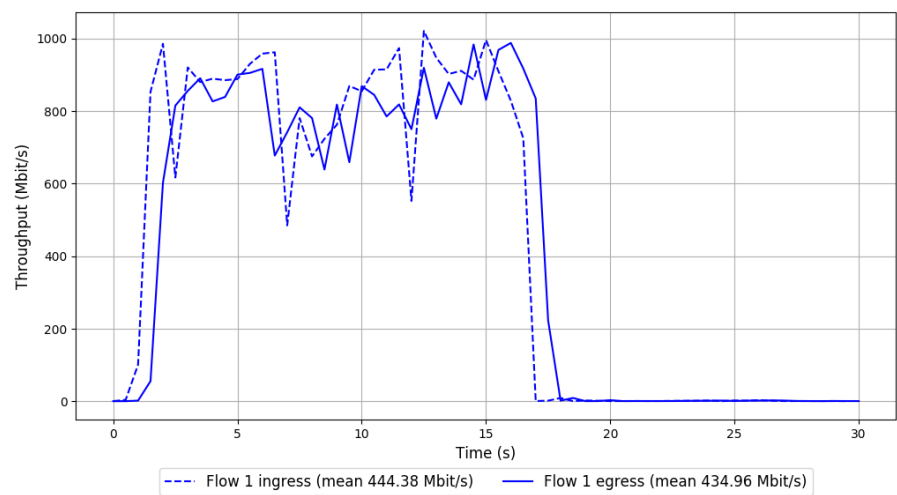
-- Flow 1:

Average throughput: 434.96 Mbit/s

95th percentile per-packet one-way delay: 287.596 ms

Loss rate: 2.12%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-18 00:46:37

End at: 2018-07-18 00:47:07

Local clock offset: 0.438 ms

Remote clock offset: 0.759 ms

Below is generated by plot.py at 2018-07-18 01:52:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 736.31 Mbit/s

95th percentile per-packet one-way delay: 310.605 ms

Loss rate: 5.75%

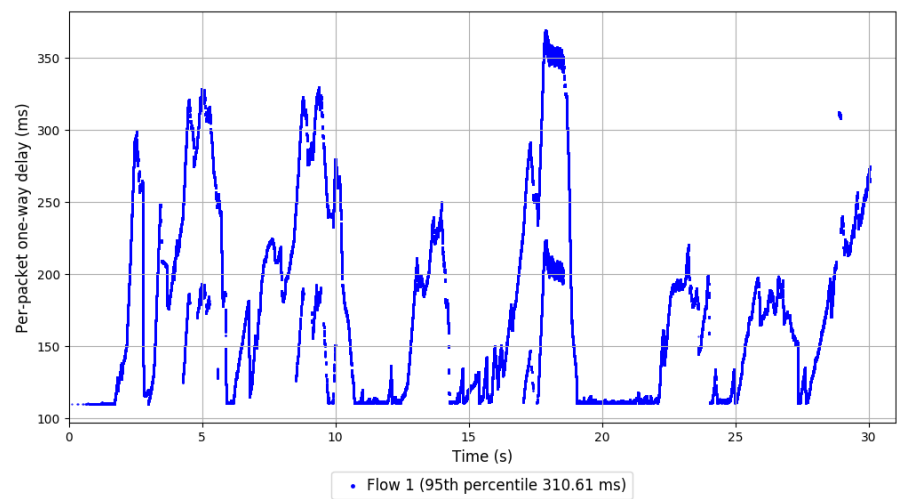
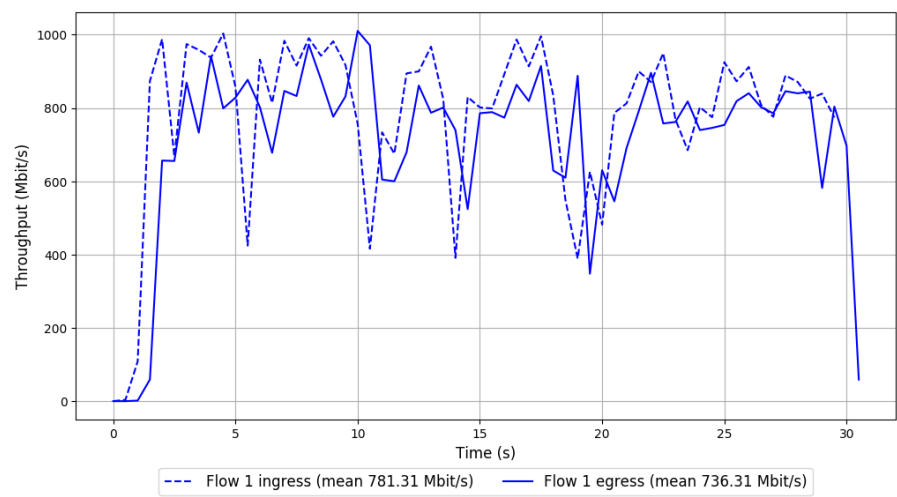
-- Flow 1:

Average throughput: 736.31 Mbit/s

95th percentile per-packet one-way delay: 310.605 ms

Loss rate: 5.75%

Run 9: Report of FillP — Data Link

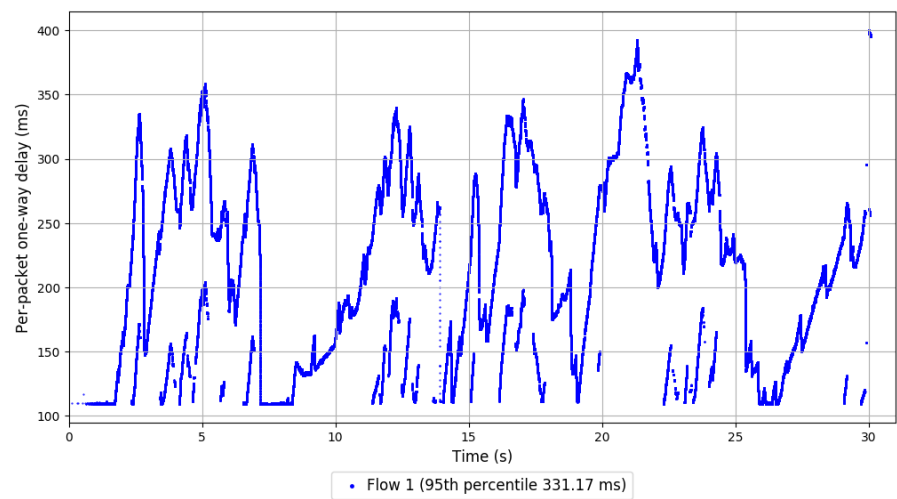
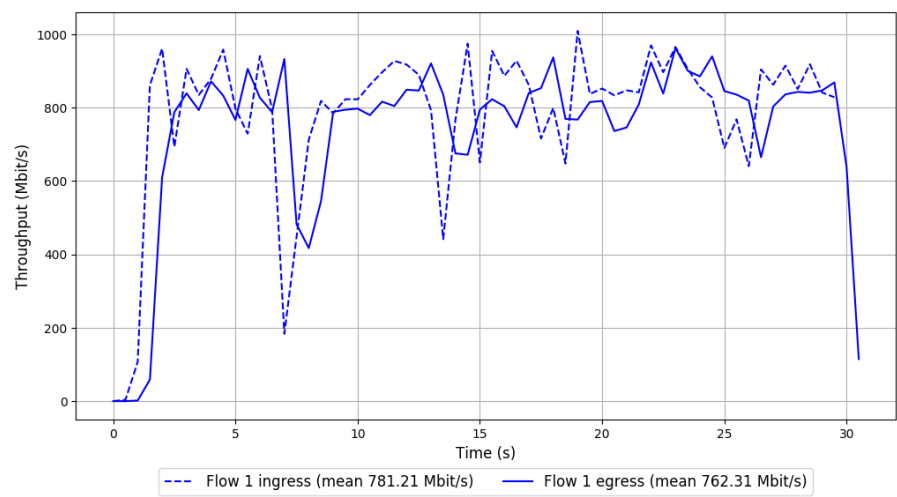


Run 10: Statistics of FillP

Start at: 2018-07-18 01:09:11
End at: 2018-07-18 01:09:41
Local clock offset: 0.189 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-07-18 01:55:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 762.31 Mbit/s
95th percentile per-packet one-way delay: 331.172 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 762.31 Mbit/s
95th percentile per-packet one-way delay: 331.172 ms
Loss rate: 2.42%

Run 10: Report of FillP — Data Link

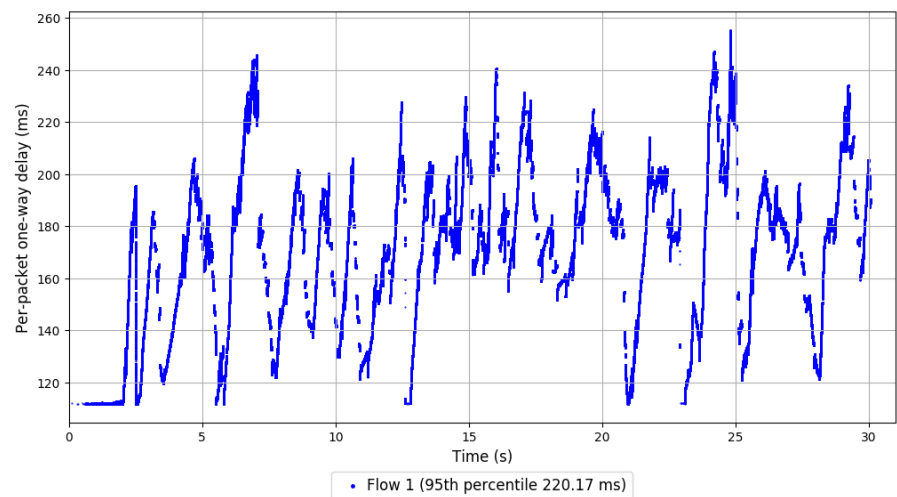
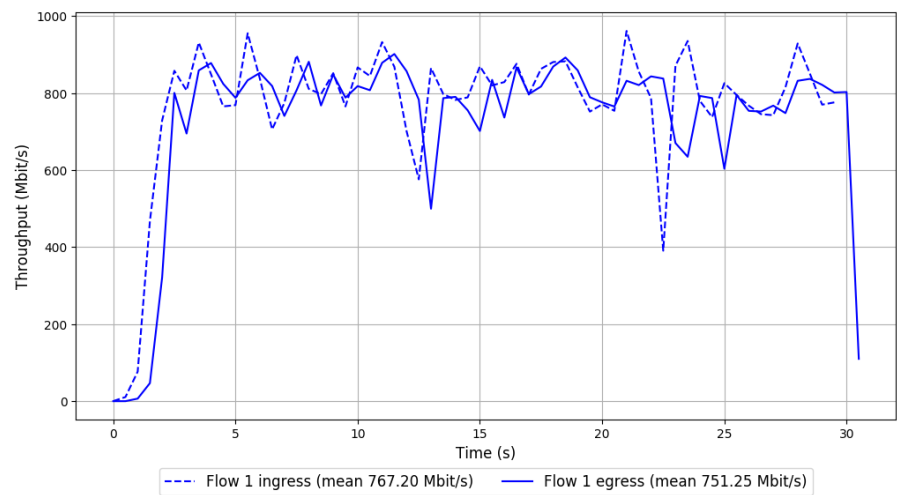


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-17 21:38:28
End at: 2018-07-17 21:38:58
Local clock offset: 13.319 ms
Remote clock offset: 12.254 ms

Below is generated by plot.py at 2018-07-18 01:57:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 751.25 Mbit/s
95th percentile per-packet one-way delay: 220.169 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 751.25 Mbit/s
95th percentile per-packet one-way delay: 220.169 ms
Loss rate: 2.06%

Run 1: Report of FillP-Sheep — Data Link

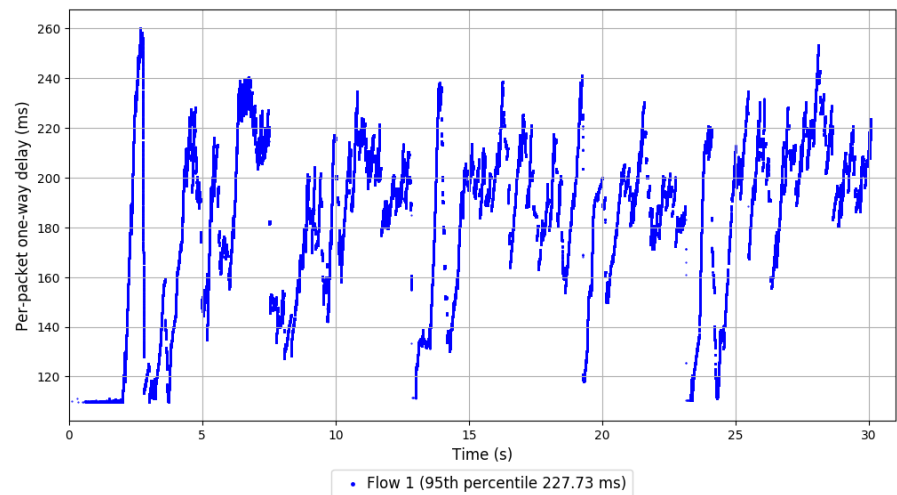
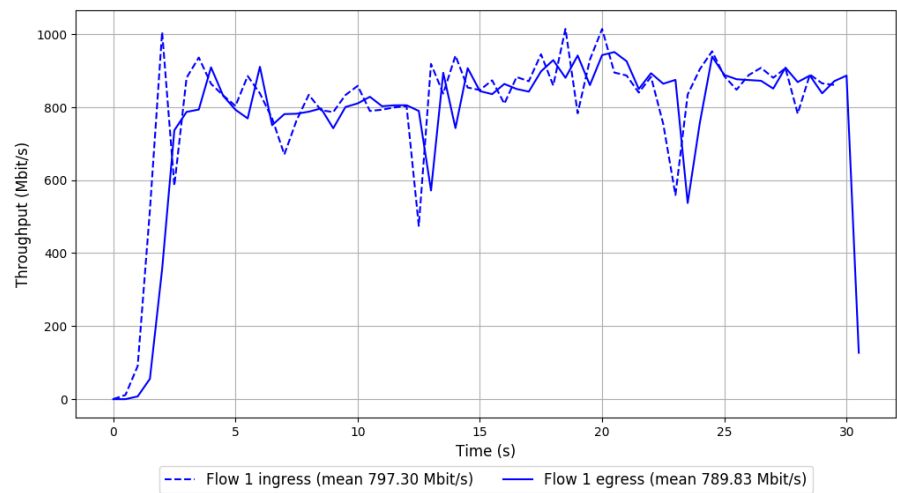


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-17 22:00:32
End at: 2018-07-17 22:01:02
Local clock offset: 20.133 ms
Remote clock offset: 18.162 ms

Below is generated by plot.py at 2018-07-18 01:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 789.83 Mbit/s
95th percentile per-packet one-way delay: 227.726 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 789.83 Mbit/s
95th percentile per-packet one-way delay: 227.726 ms
Loss rate: 0.93%

Run 2: Report of FillP-Sheep — Data Link

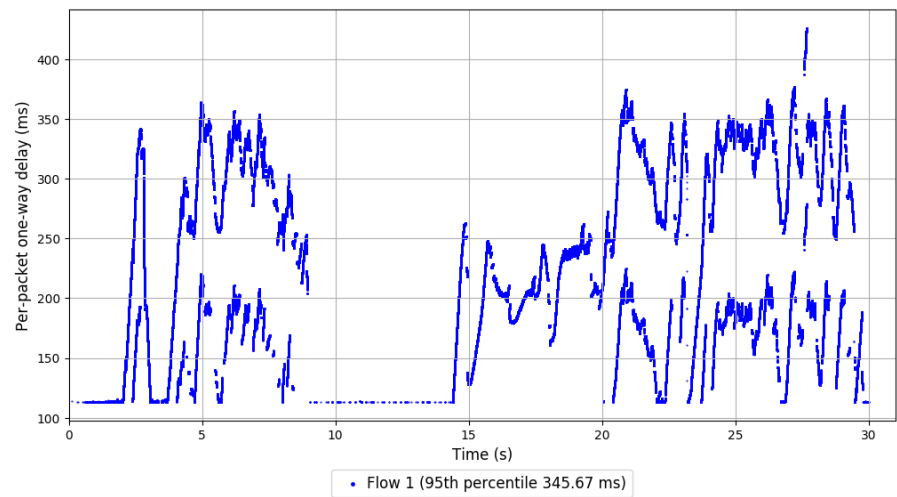
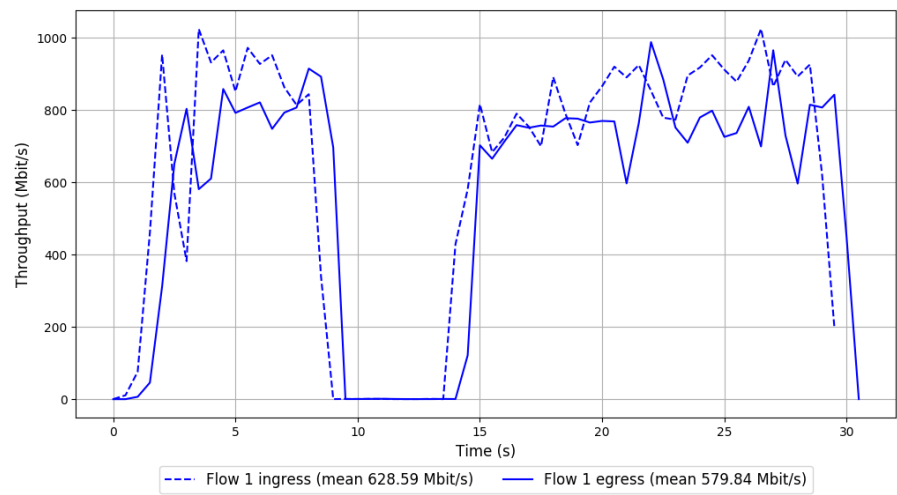


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-17 22:23:01
End at: 2018-07-17 22:23:31
Local clock offset: 37.348 ms
Remote clock offset: 35.605 ms

Below is generated by plot.py at 2018-07-18 01:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 579.84 Mbit/s
95th percentile per-packet one-way delay: 345.673 ms
Loss rate: 7.76%
-- Flow 1:
Average throughput: 579.84 Mbit/s
95th percentile per-packet one-way delay: 345.673 ms
Loss rate: 7.76%

Run 3: Report of FillP-Sheep — Data Link

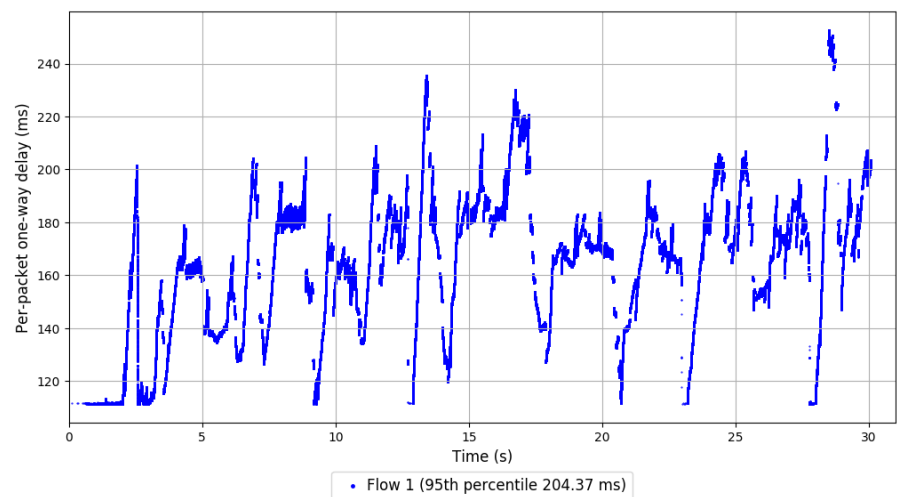
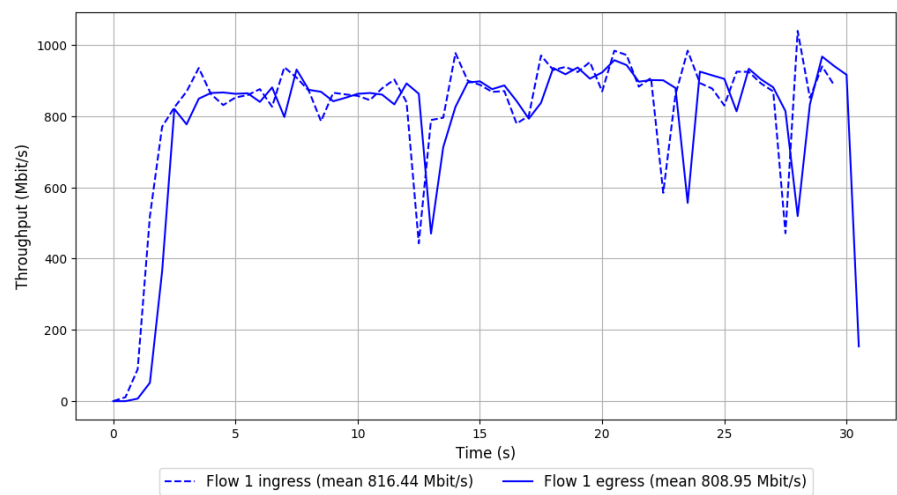


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-17 22:45:32
End at: 2018-07-17 22:46:02
Local clock offset: 15.562 ms
Remote clock offset: 14.141 ms

Below is generated by plot.py at 2018-07-18 01:59:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 808.95 Mbit/s
95th percentile per-packet one-way delay: 204.370 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 808.95 Mbit/s
95th percentile per-packet one-way delay: 204.370 ms
Loss rate: 0.92%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-17 23:08:12

End at: 2018-07-17 23:08:42

Local clock offset: 7.501 ms

Remote clock offset: 8.133 ms

Below is generated by plot.py at 2018-07-18 01:59:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 781.75 Mbit/s

95th percentile per-packet one-way delay: 205.561 ms

Loss rate: 0.74%

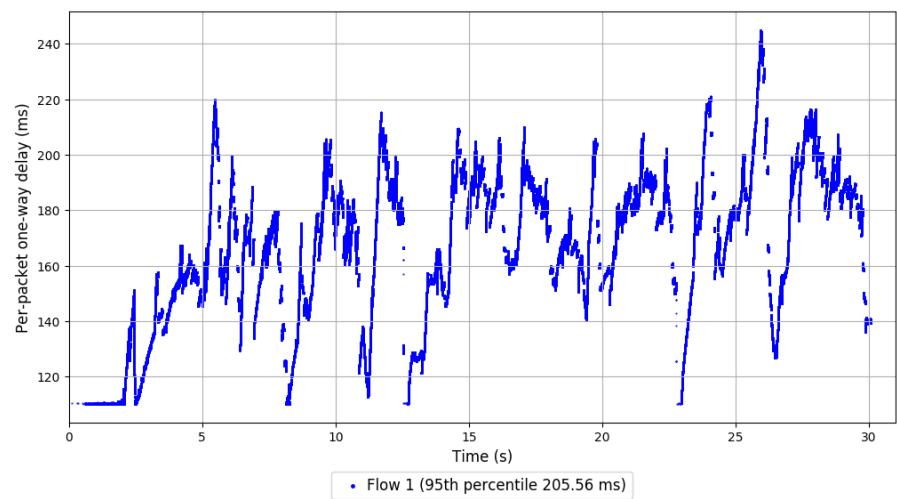
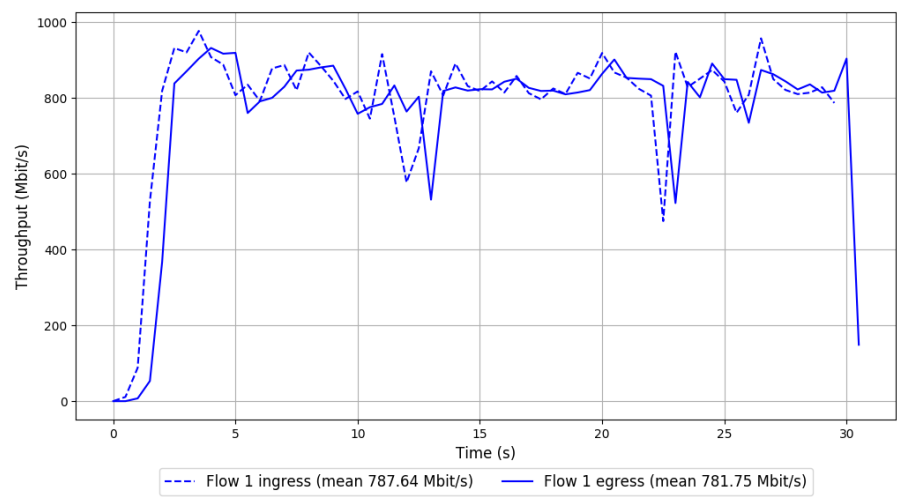
-- Flow 1:

Average throughput: 781.75 Mbit/s

95th percentile per-packet one-way delay: 205.561 ms

Loss rate: 0.74%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-17 23:30:23

End at: 2018-07-17 23:30:53

Local clock offset: 5.731 ms

Remote clock offset: 8.559 ms

Below is generated by plot.py at 2018-07-18 02:00:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 788.90 Mbit/s

95th percentile per-packet one-way delay: 209.189 ms

Loss rate: 1.85%

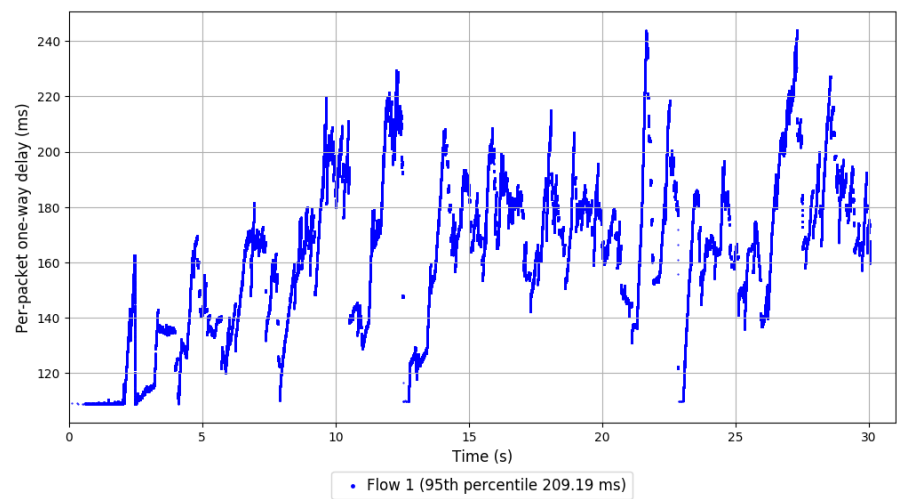
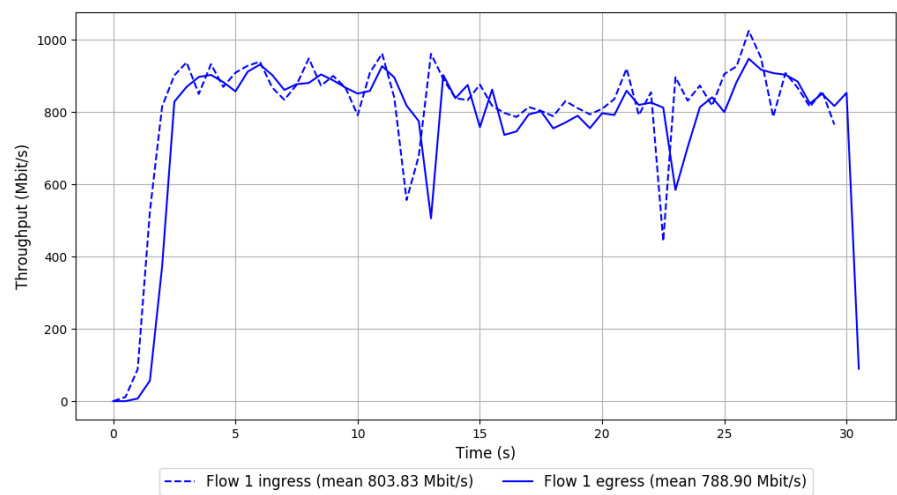
-- Flow 1:

Average throughput: 788.90 Mbit/s

95th percentile per-packet one-way delay: 209.189 ms

Loss rate: 1.85%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-17 23:52:53

End at: 2018-07-17 23:53:23

Local clock offset: 1.438 ms

Remote clock offset: 3.127 ms

Below is generated by plot.py at 2018-07-18 02:08:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 738.95 Mbit/s

95th percentile per-packet one-way delay: 306.286 ms

Loss rate: 4.84%

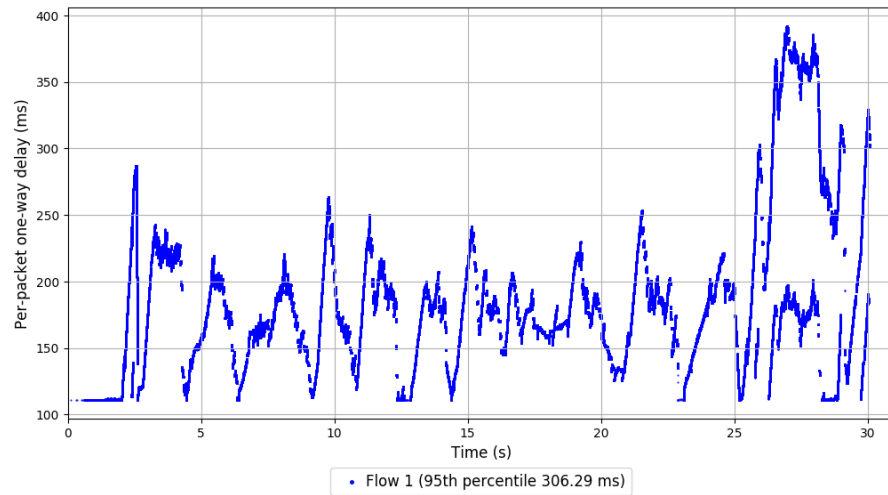
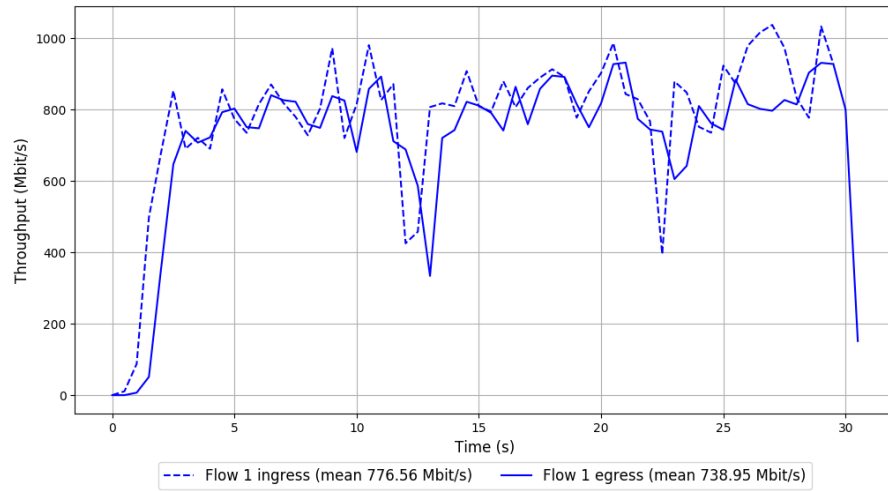
-- Flow 1:

Average throughput: 738.95 Mbit/s

95th percentile per-packet one-way delay: 306.286 ms

Loss rate: 4.84%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 00:15:16

End at: 2018-07-18 00:15:46

Local clock offset: 0.883 ms

Remote clock offset: 1.982 ms

Below is generated by plot.py at 2018-07-18 02:10:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 767.34 Mbit/s

95th percentile per-packet one-way delay: 237.392 ms

Loss rate: 2.90%

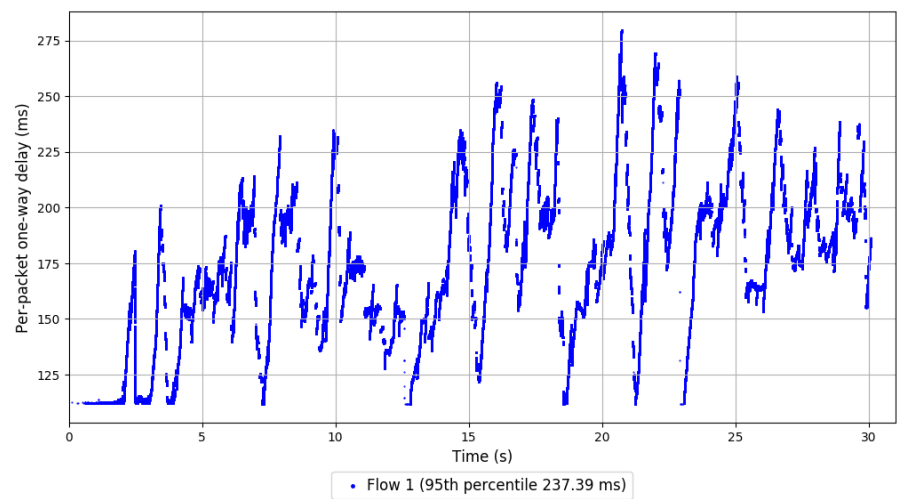
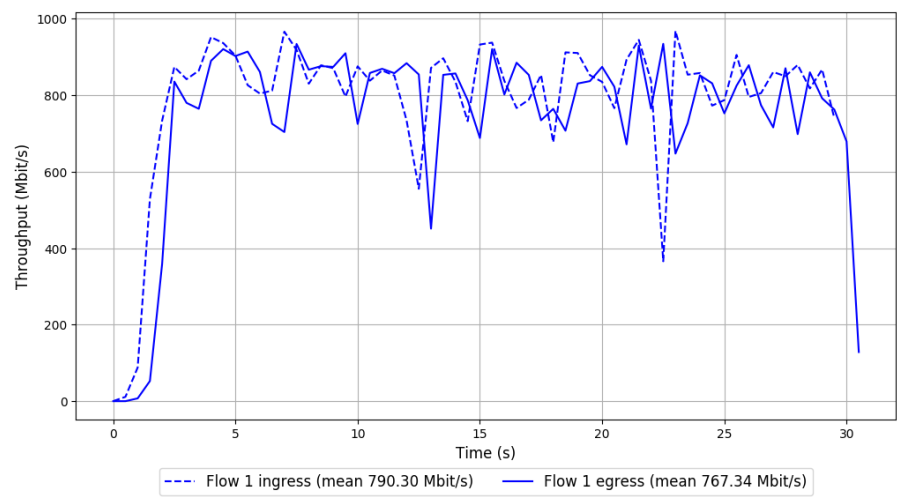
-- Flow 1:

Average throughput: 767.34 Mbit/s

95th percentile per-packet one-way delay: 237.392 ms

Loss rate: 2.90%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 00:37:37

End at: 2018-07-18 00:38:07

Local clock offset: -0.501 ms

Remote clock offset: 0.798 ms

Below is generated by plot.py at 2018-07-18 02:10:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 719.44 Mbit/s

95th percentile per-packet one-way delay: 245.949 ms

Loss rate: 1.07%

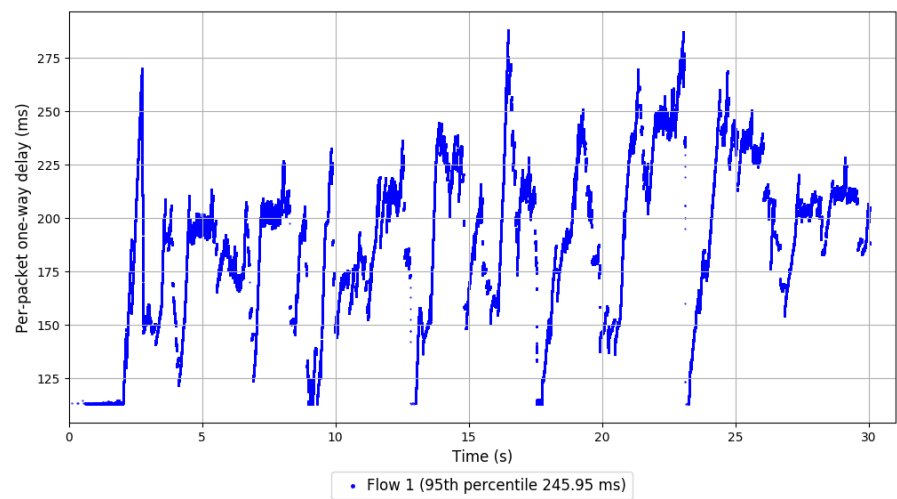
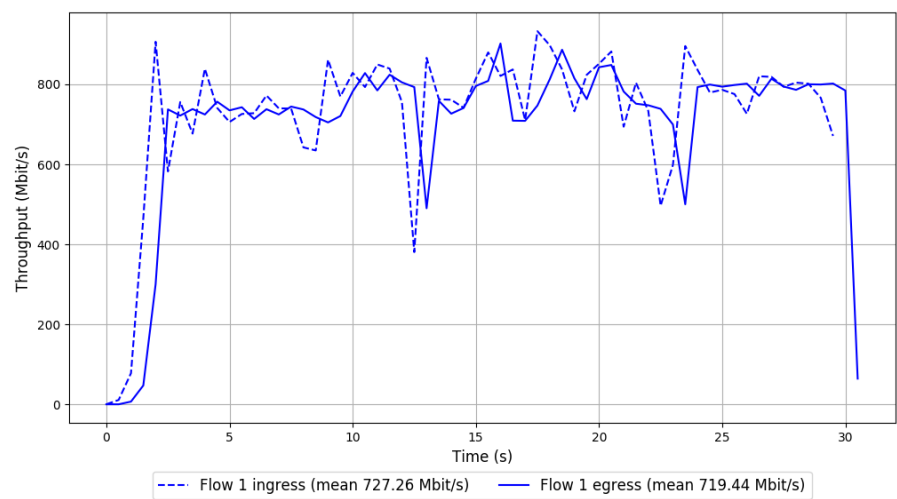
-- Flow 1:

Average throughput: 719.44 Mbit/s

95th percentile per-packet one-way delay: 245.949 ms

Loss rate: 1.07%

Run 9: Report of FillP-Sheep — Data Link

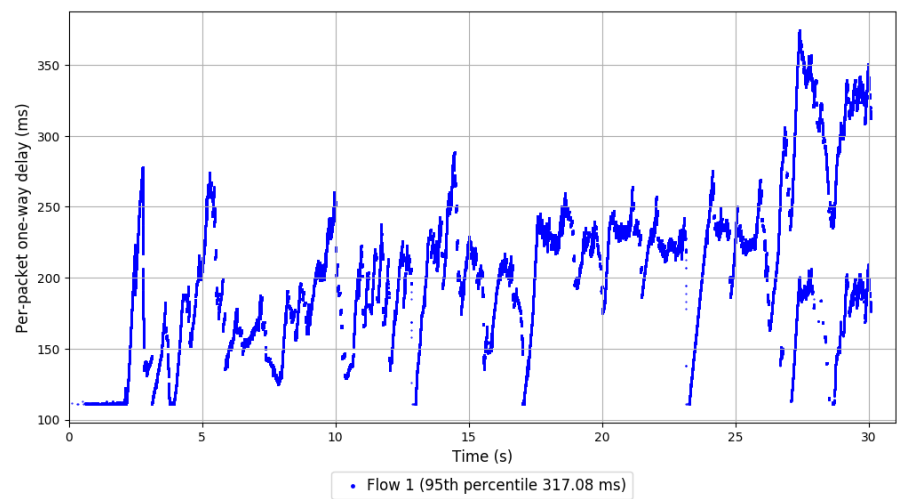
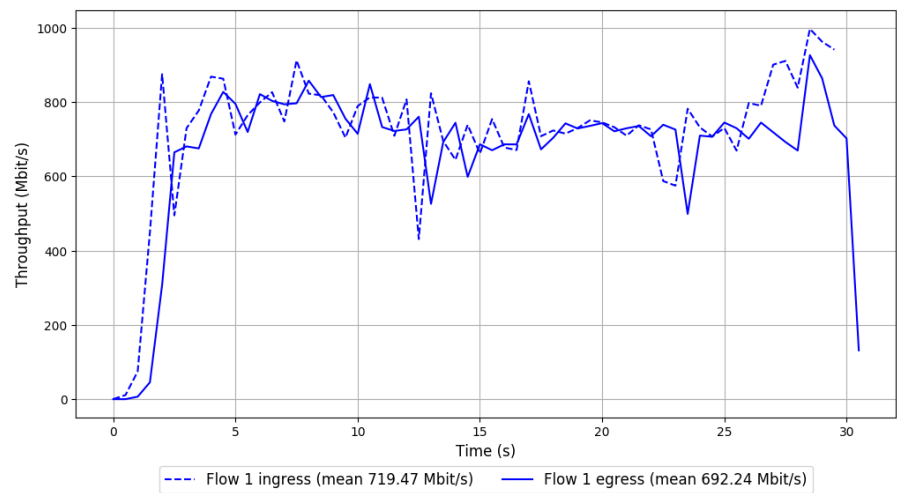


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 01:00:02
End at: 2018-07-18 01:00:32
Local clock offset: 0.335 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-18 02:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 692.24 Mbit/s
95th percentile per-packet one-way delay: 317.080 ms
Loss rate: 3.78%
-- Flow 1:
Average throughput: 692.24 Mbit/s
95th percentile per-packet one-way delay: 317.080 ms
Loss rate: 3.78%

Run 10: Report of FillP-Sheep — Data Link

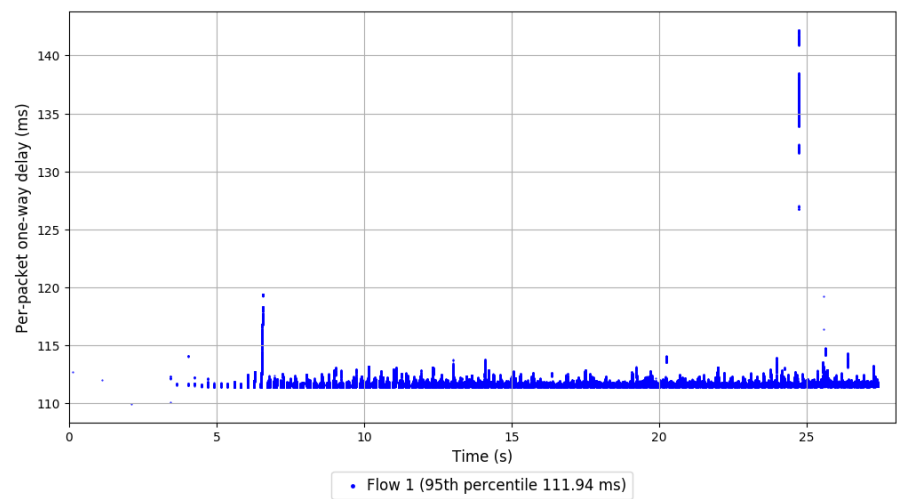
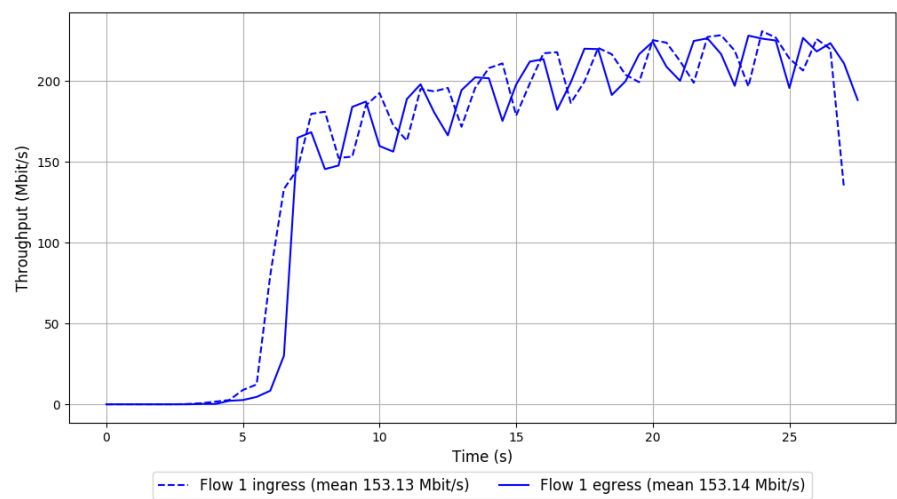


Run 1: Statistics of Indigo

Start at: 2018-07-17 21:30:28
End at: 2018-07-17 21:30:58
Local clock offset: 13.302 ms
Remote clock offset: 12.563 ms

Below is generated by plot.py at 2018-07-18 02:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 153.14 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.14 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

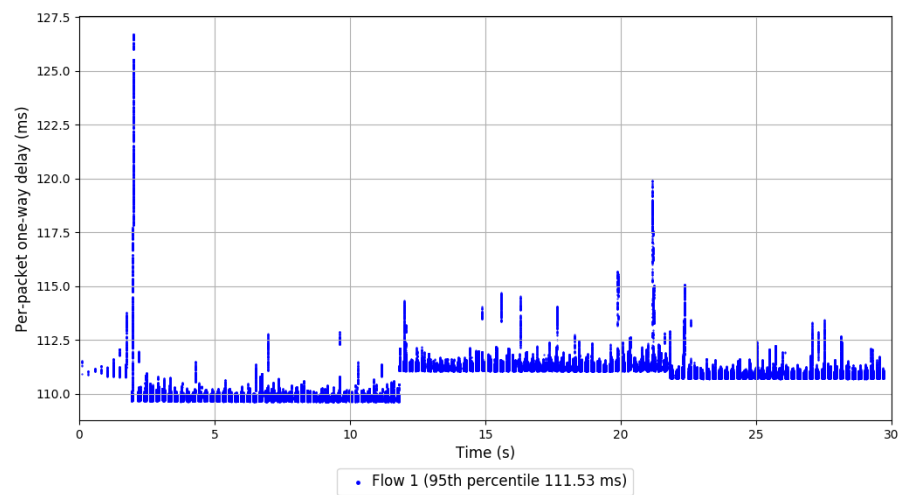
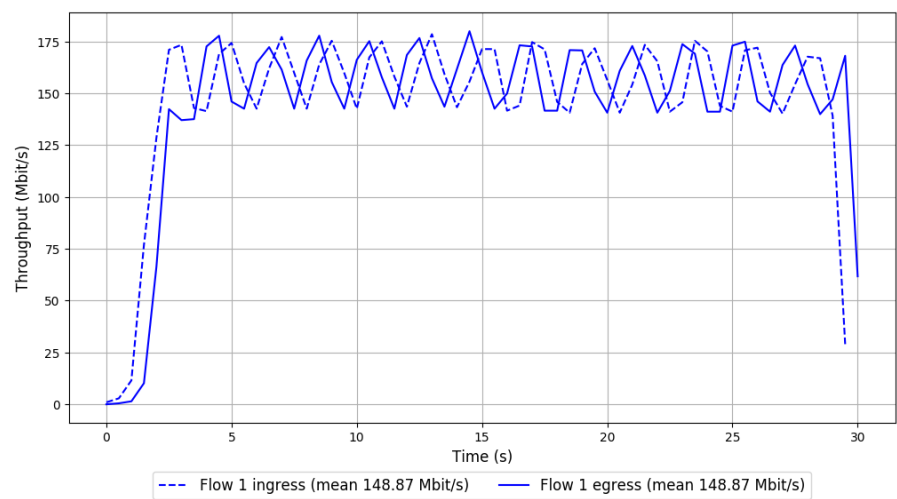


Run 2: Statistics of Indigo

Start at: 2018-07-17 21:52:40
End at: 2018-07-17 21:53:10
Local clock offset: 22.745 ms
Remote clock offset: 20.419 ms

Below is generated by plot.py at 2018-07-18 02:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.87 Mbit/s
95th percentile per-packet one-way delay: 111.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.87 Mbit/s
95th percentile per-packet one-way delay: 111.525 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

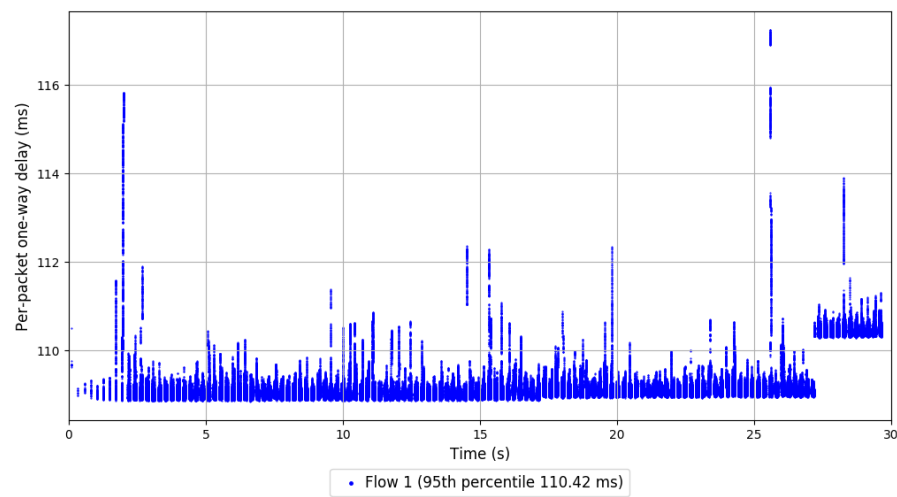
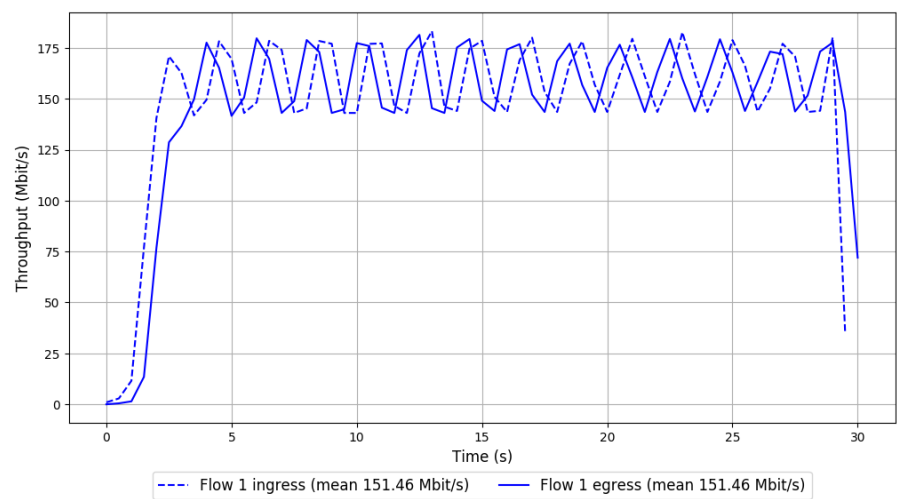


Run 3: Statistics of Indigo

Start at: 2018-07-17 22:15:05
End at: 2018-07-17 22:15:35
Local clock offset: 31.54 ms
Remote clock offset: 27.675 ms

Below is generated by plot.py at 2018-07-18 02:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.46 Mbit/s
95th percentile per-packet one-way delay: 110.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.46 Mbit/s
95th percentile per-packet one-way delay: 110.425 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-17 22:37:40

End at: 2018-07-17 22:38:10

Local clock offset: 15.76 ms

Remote clock offset: 14.0 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.76 Mbit/s

95th percentile per-packet one-way delay: 111.386 ms

Loss rate: 0.00%

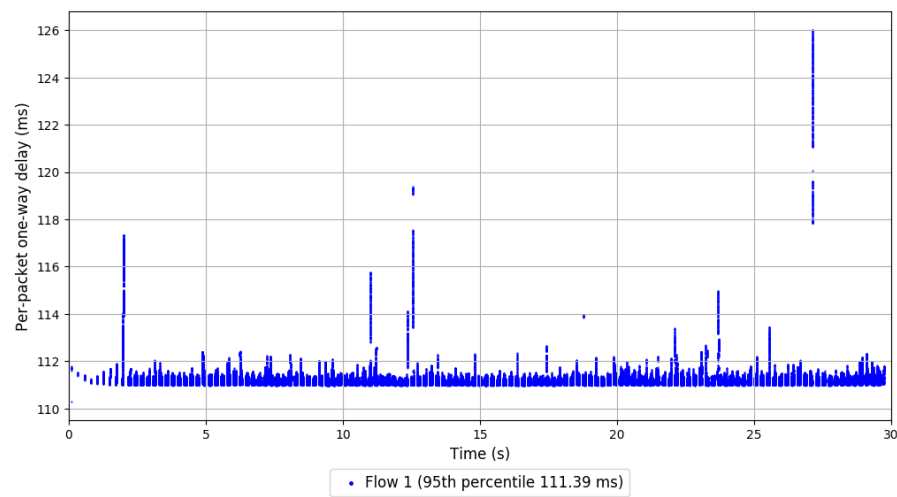
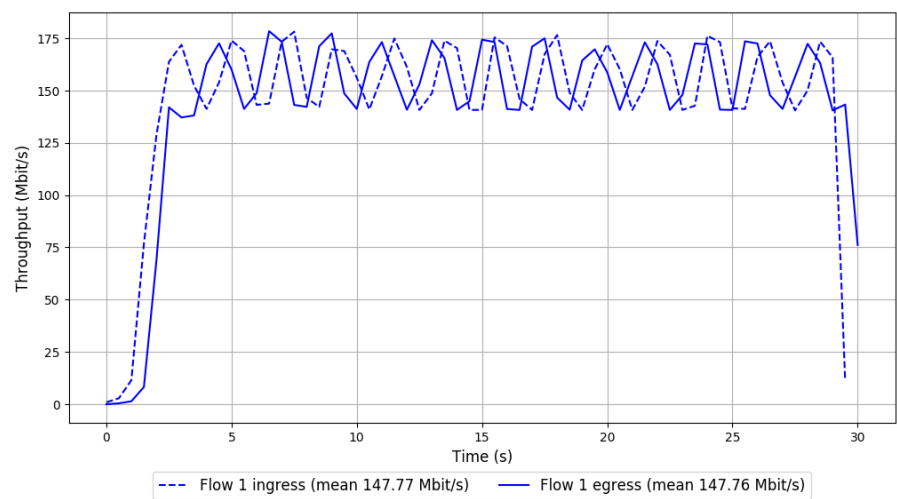
-- Flow 1:

Average throughput: 147.76 Mbit/s

95th percentile per-packet one-way delay: 111.386 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

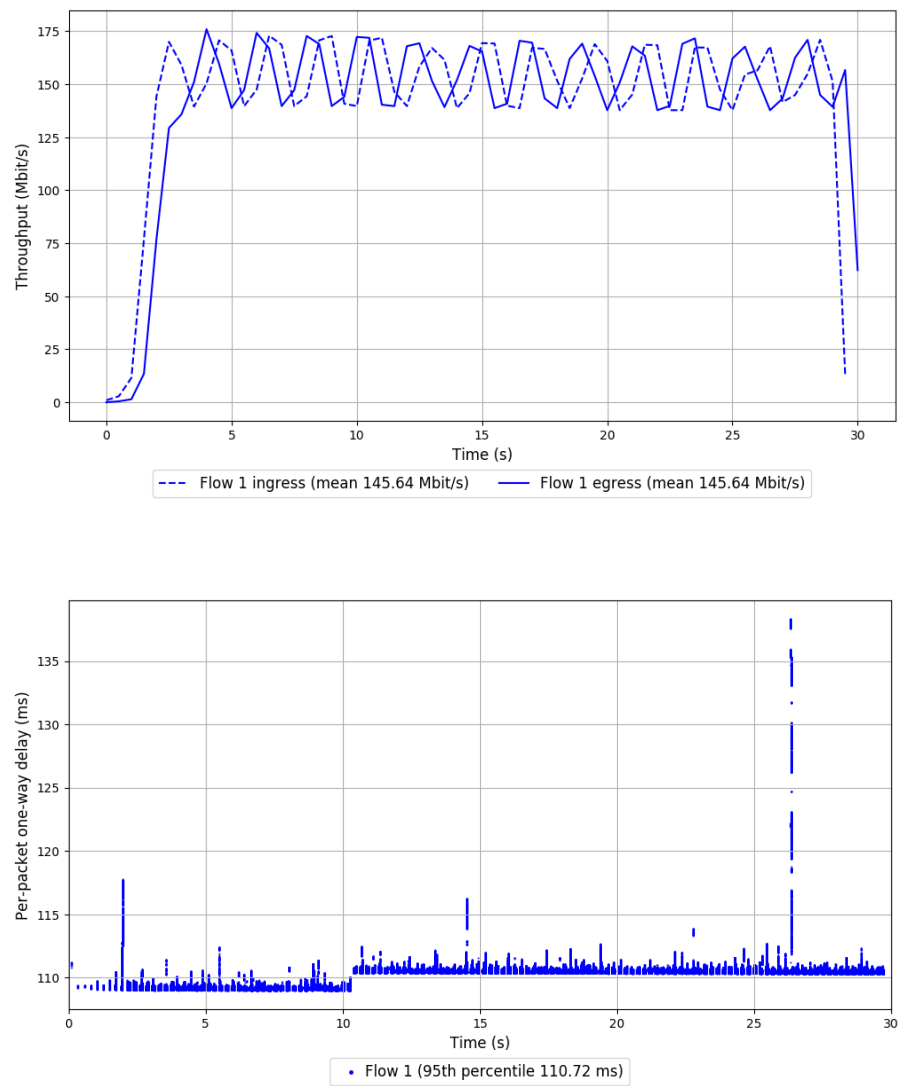


Run 5: Statistics of Indigo

Start at: 2018-07-17 23:00:12
End at: 2018-07-17 23:00:42
Local clock offset: 16.669 ms
Remote clock offset: 14.661 ms

Below is generated by plot.py at 2018-07-18 02:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.64 Mbit/s
95th percentile per-packet one-way delay: 110.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.64 Mbit/s
95th percentile per-packet one-way delay: 110.718 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-17 23:22:36

End at: 2018-07-17 23:23:06

Local clock offset: 4.171 ms

Remote clock offset: 7.168 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.27 Mbit/s

95th percentile per-packet one-way delay: 111.710 ms

Loss rate: 0.00%

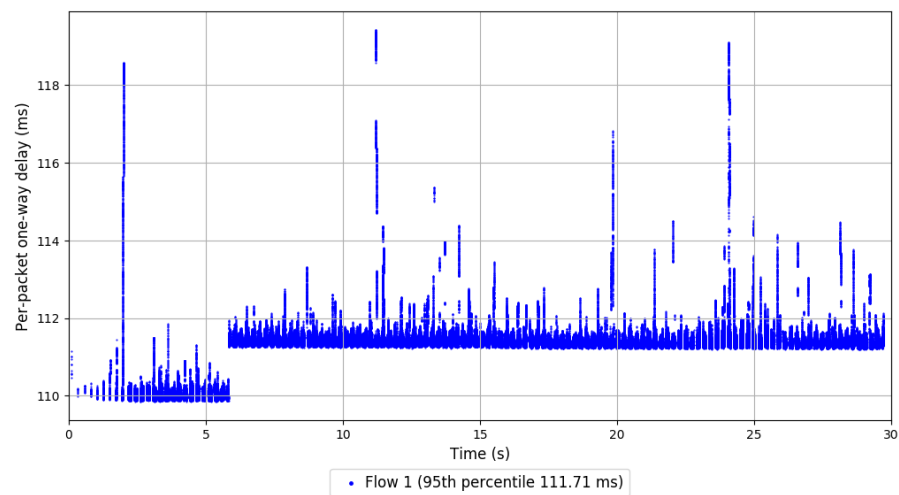
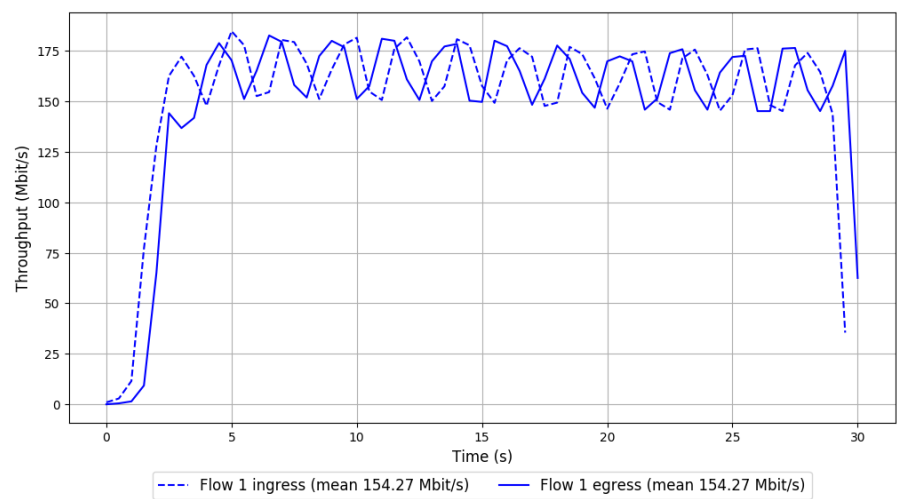
-- Flow 1:

Average throughput: 154.27 Mbit/s

95th percentile per-packet one-way delay: 111.710 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-17 23:44:52

End at: 2018-07-17 23:45:22

Local clock offset: 1.751 ms

Remote clock offset: 3.419 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.79 Mbit/s

95th percentile per-packet one-way delay: 110.382 ms

Loss rate: 0.00%

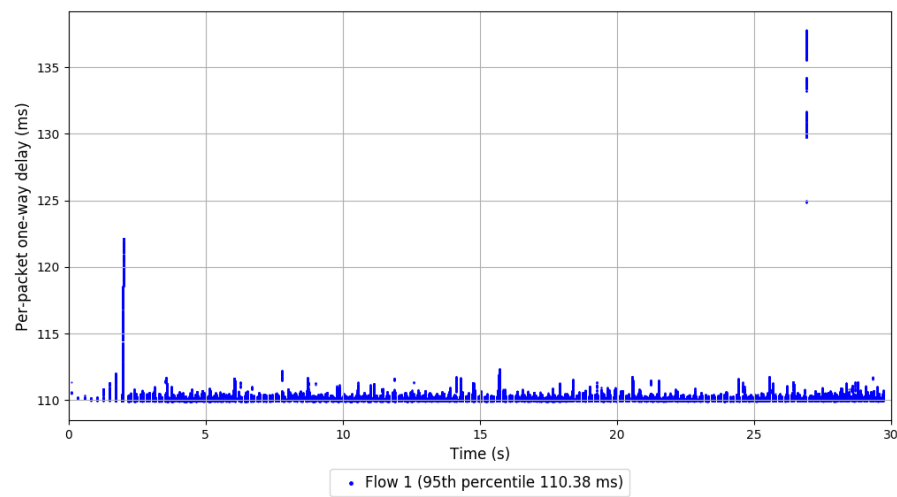
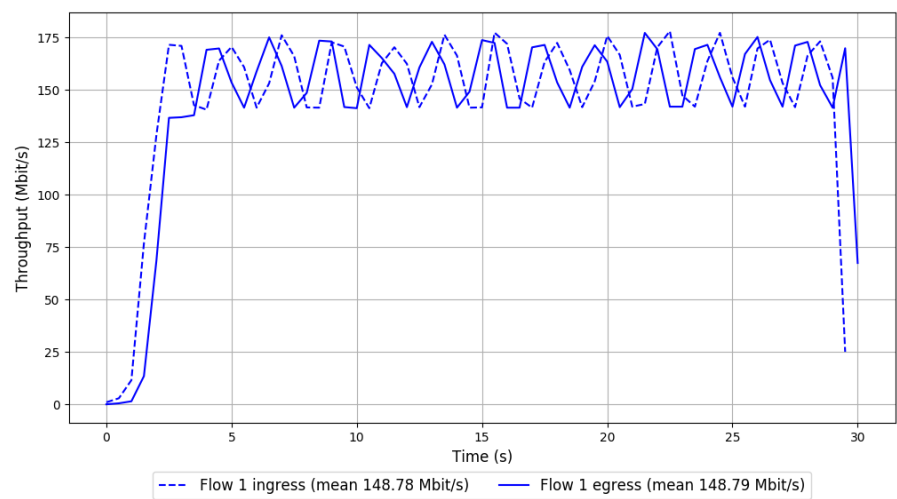
-- Flow 1:

Average throughput: 148.79 Mbit/s

95th percentile per-packet one-way delay: 110.382 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-18 00:07:17

End at: 2018-07-18 00:07:47

Local clock offset: 3.183 ms

Remote clock offset: 4.065 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.37 Mbit/s

95th percentile per-packet one-way delay: 110.797 ms

Loss rate: 0.00%

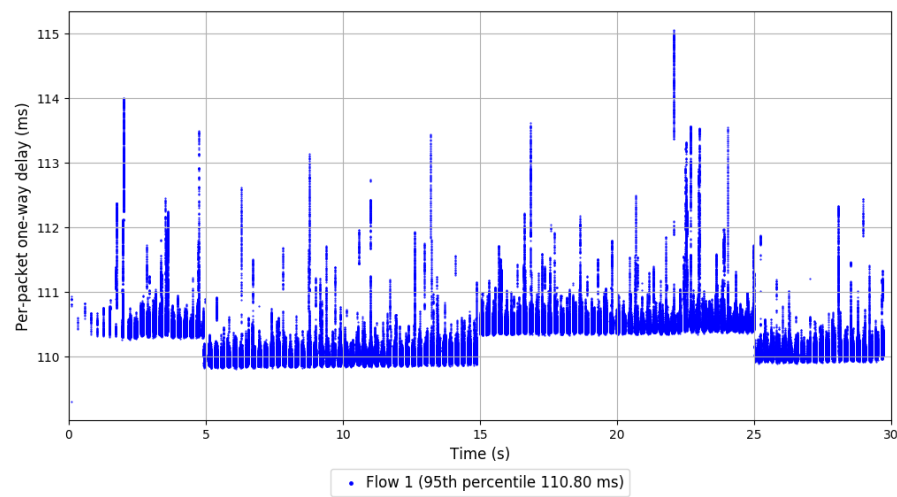
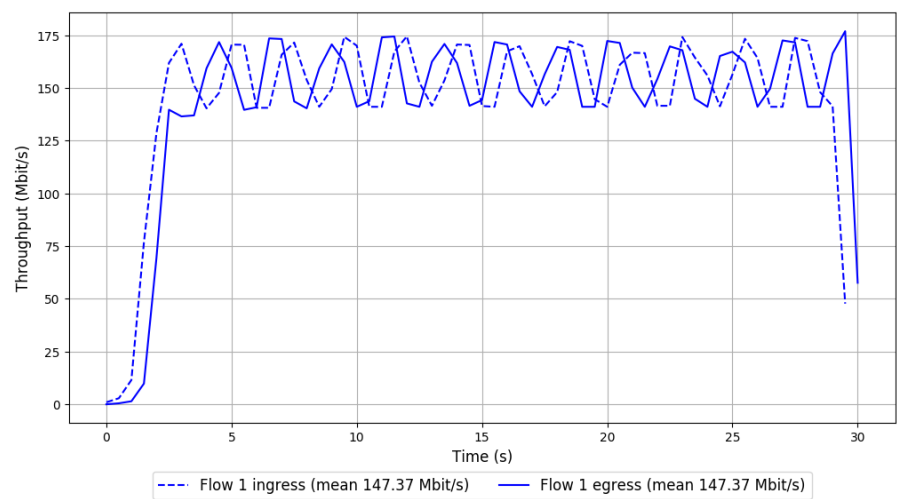
-- Flow 1:

Average throughput: 147.37 Mbit/s

95th percentile per-packet one-way delay: 110.797 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-18 00:29:41

End at: 2018-07-18 00:30:11

Local clock offset: 0.634 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.51 Mbit/s

95th percentile per-packet one-way delay: 111.353 ms

Loss rate: 0.00%

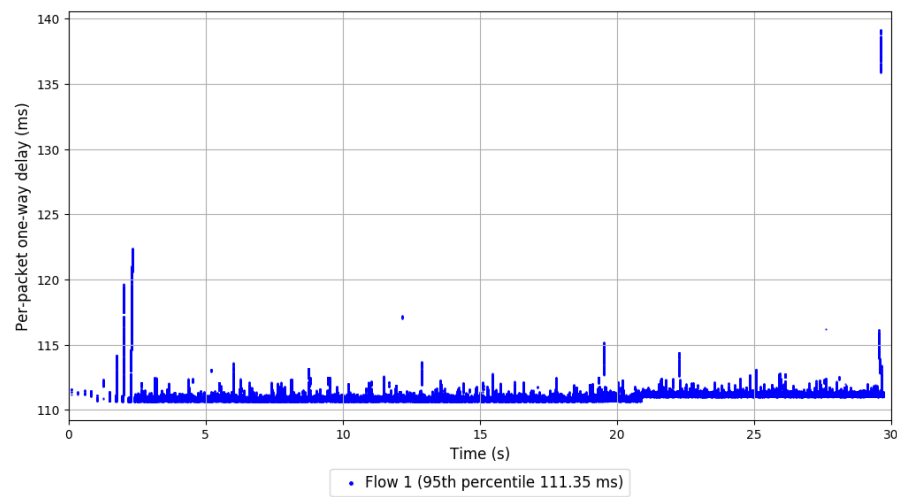
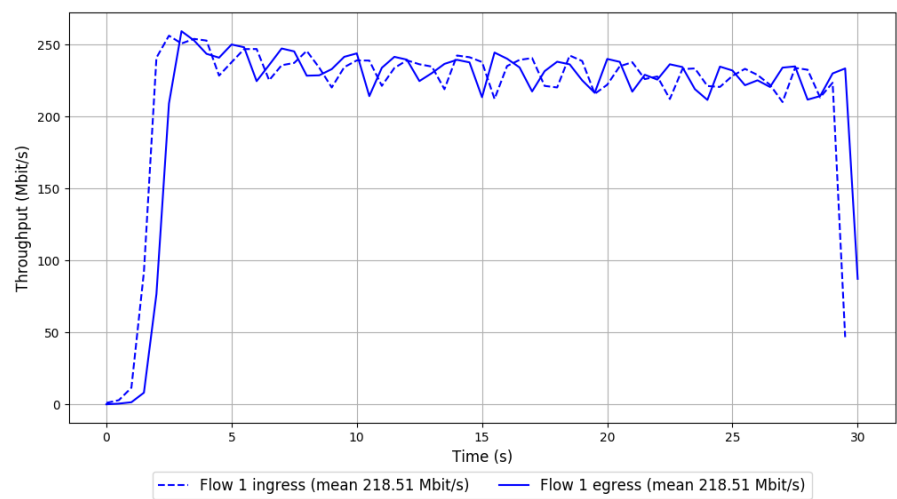
-- Flow 1:

Average throughput: 218.51 Mbit/s

95th percentile per-packet one-way delay: 111.353 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-18 00:51:58

End at: 2018-07-18 00:52:28

Local clock offset: -1.014 ms

Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.40 Mbit/s

95th percentile per-packet one-way delay: 112.487 ms

Loss rate: 0.00%

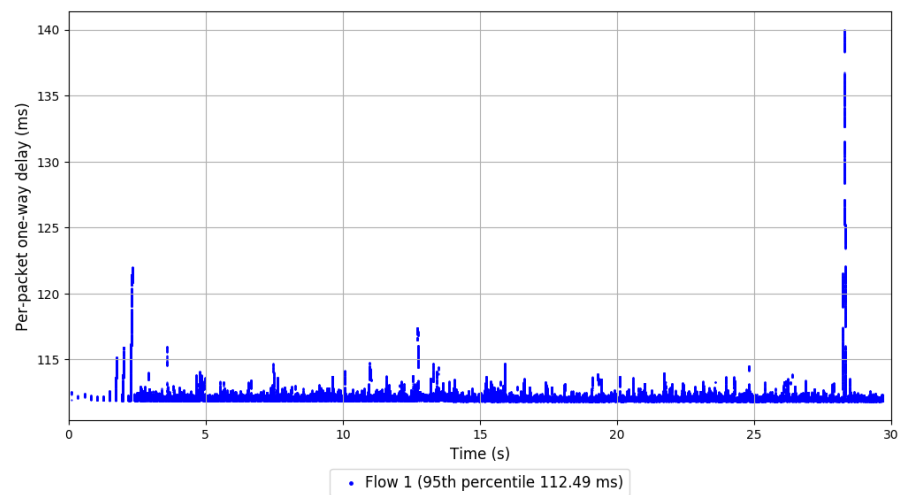
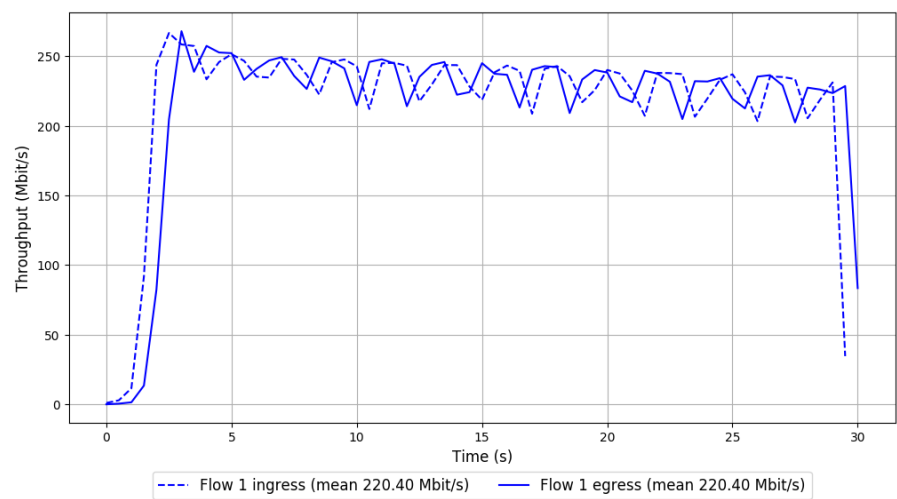
-- Flow 1:

Average throughput: 220.40 Mbit/s

95th percentile per-packet one-way delay: 112.487 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

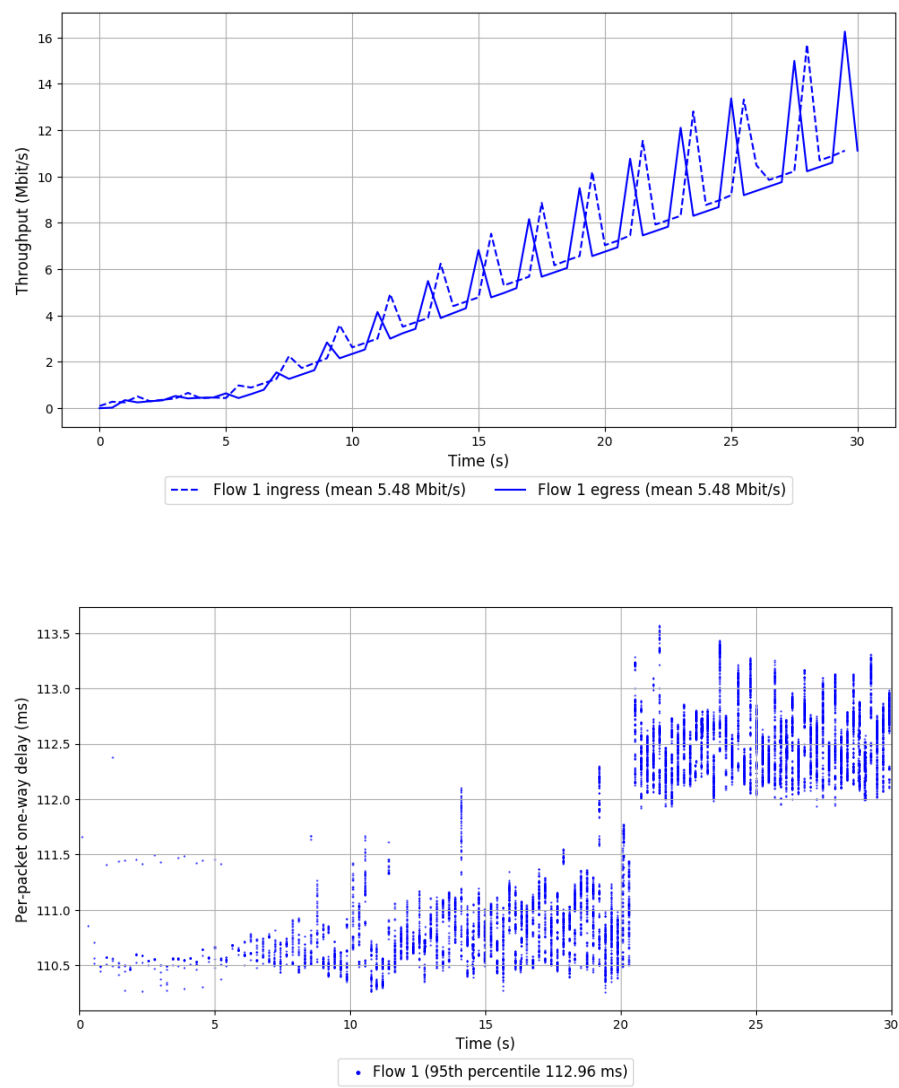


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-17 21:27:52
End at: 2018-07-17 21:28:22
Local clock offset: 9.431 ms
Remote clock offset: 9.067 ms

# Below is generated by plot.py at 2018-07-18 02:11:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 112.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 112.964 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

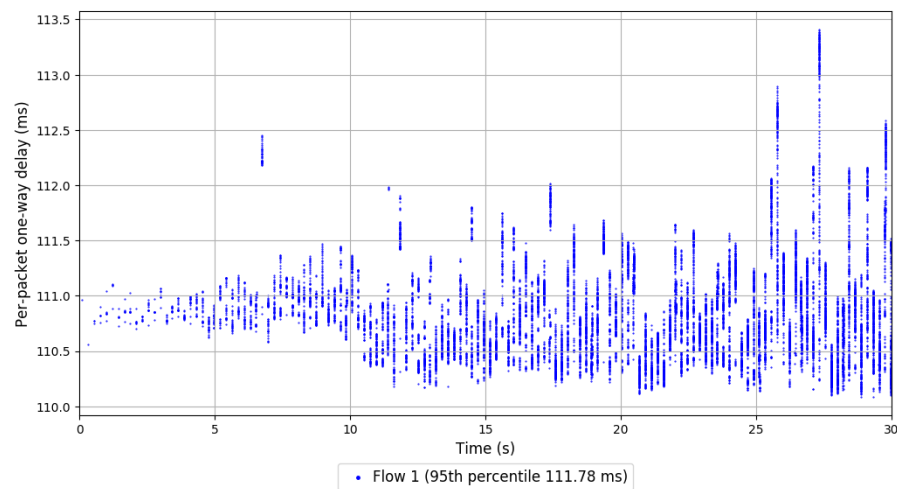
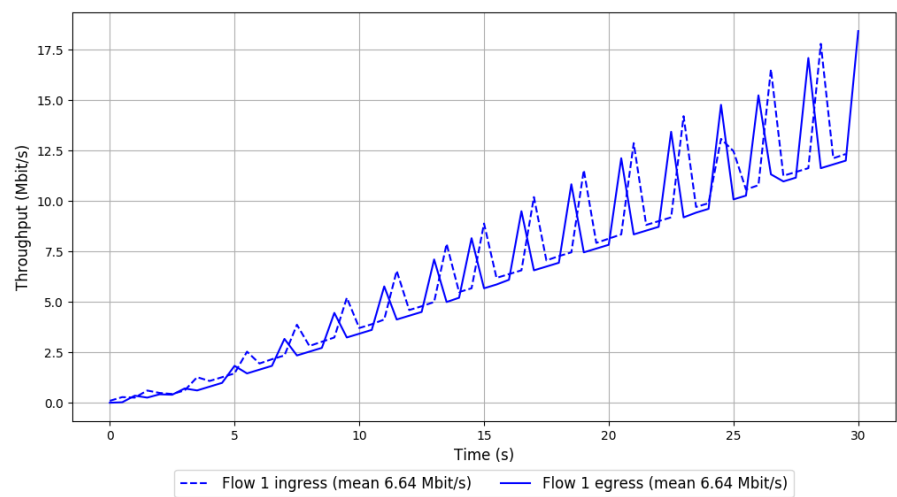


Run 2: Statistics of LEDBAT

Start at: 2018-07-17 21:50:22
End at: 2018-07-17 21:50:52
Local clock offset: 26.454 ms
Remote clock offset: 23.247 ms

Below is generated by plot.py at 2018-07-18 02:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 111.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 111.778 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

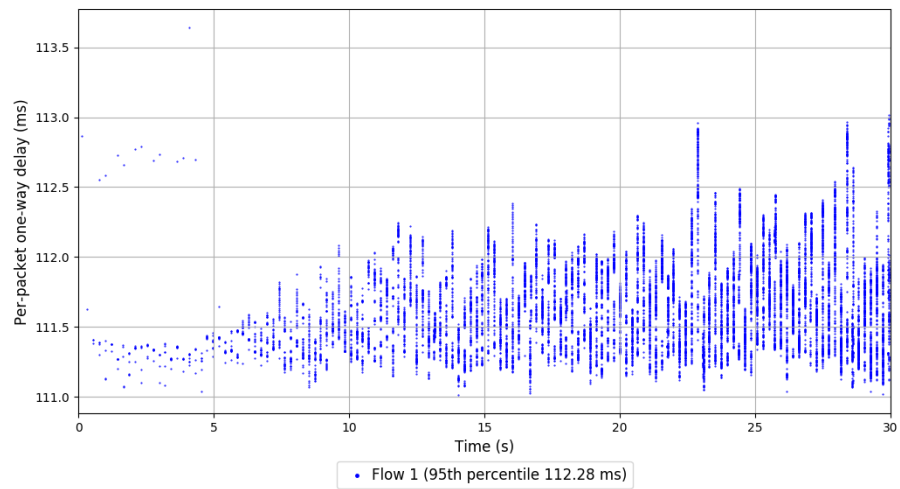
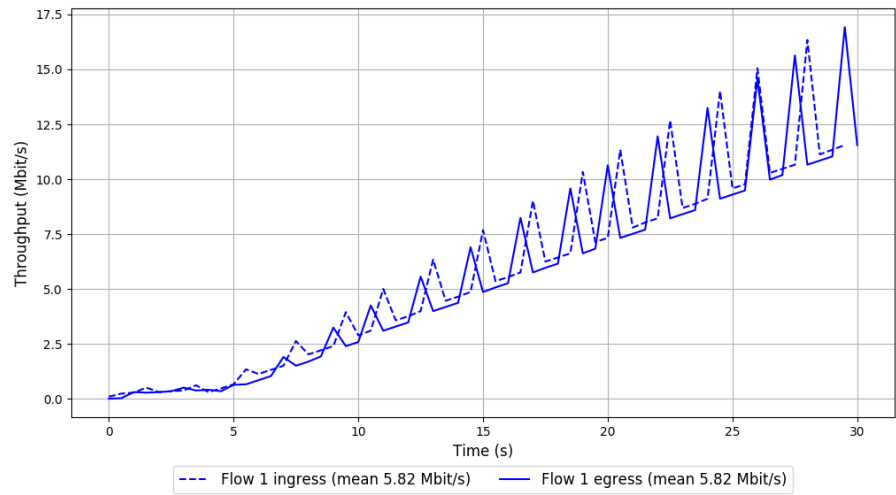


Run 3: Statistics of LEDBAT

Start at: 2018-07-17 22:12:31
End at: 2018-07-17 22:13:01
Local clock offset: 26.754 ms
Remote clock offset: 25.244 ms

Below is generated by plot.py at 2018-07-18 02:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 112.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 112.283 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

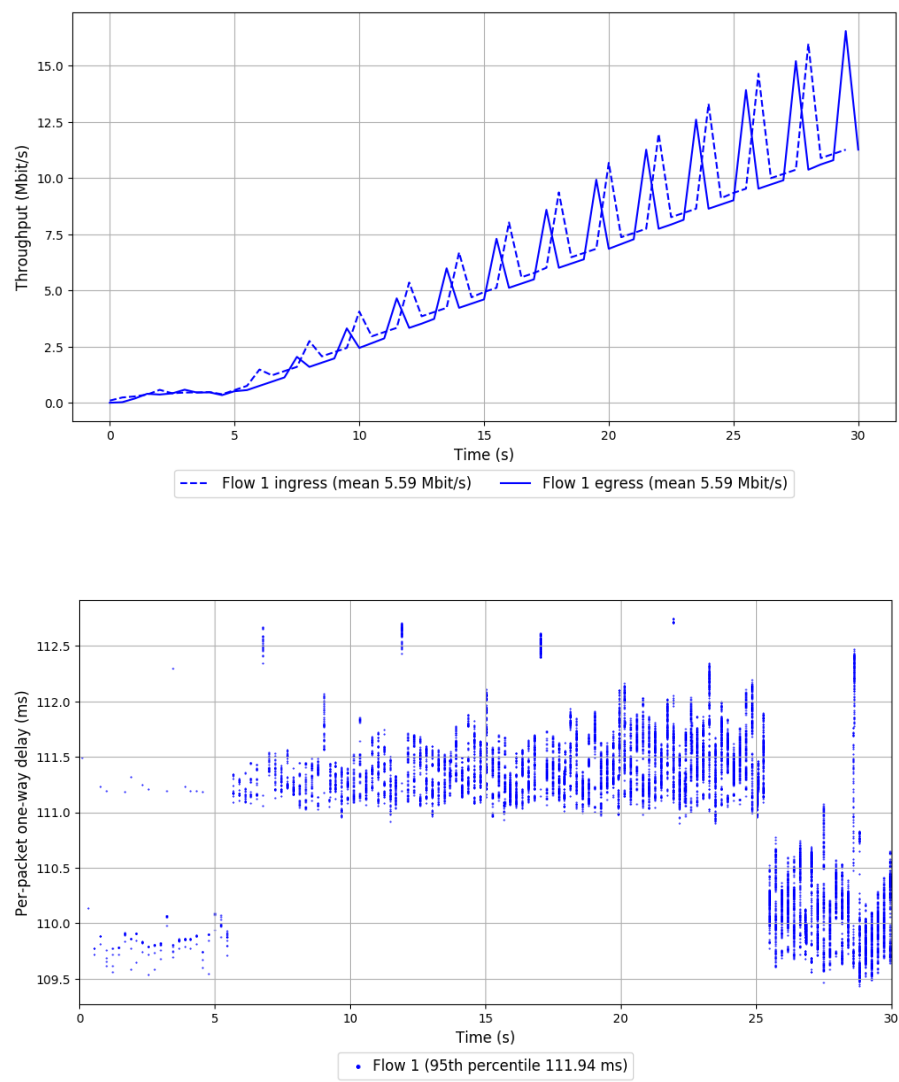


Run 4: Statistics of LEDBAT

Start at: 2018-07-17 22:35:07
End at: 2018-07-17 22:35:37
Local clock offset: 17.568 ms
Remote clock offset: 15.562 ms

Below is generated by plot.py at 2018-07-18 02:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

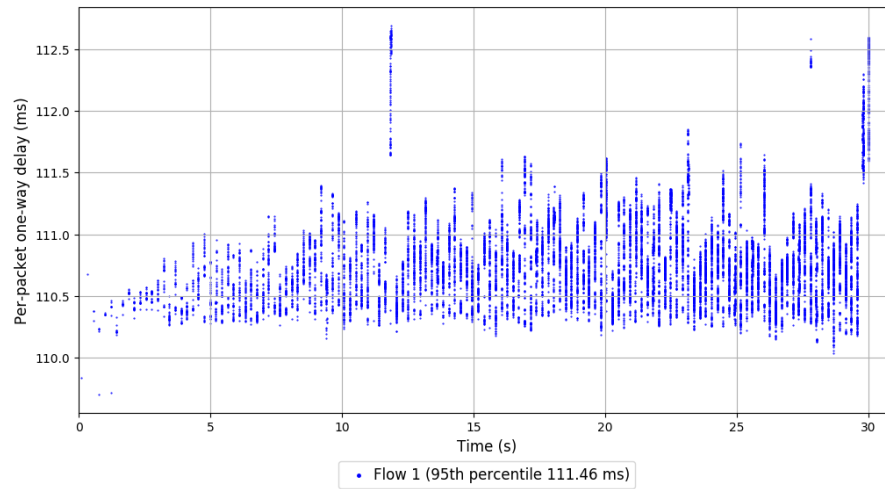
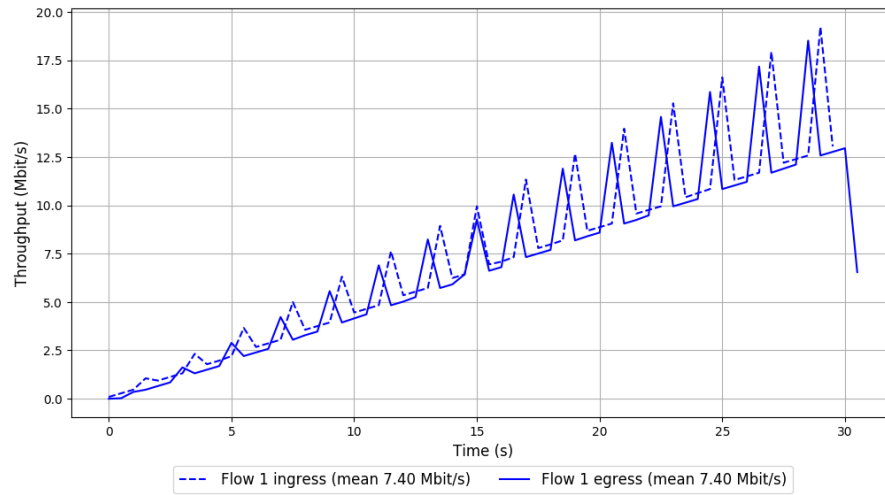


Run 5: Statistics of LEDBAT

Start at: 2018-07-17 22:57:43
End at: 2018-07-17 22:58:13
Local clock offset: 20.316 ms
Remote clock offset: 18.648 ms

Below is generated by plot.py at 2018-07-18 02:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 111.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 111.456 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-17 23:20:18

End at: 2018-07-17 23:20:48

Local clock offset: 4.103 ms

Remote clock offset: 7.253 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 112.992 ms

Loss rate: 0.00%

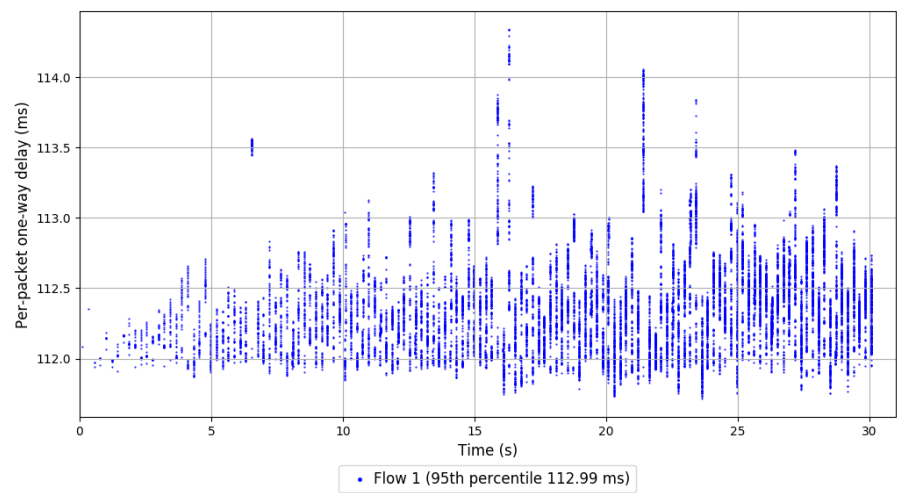
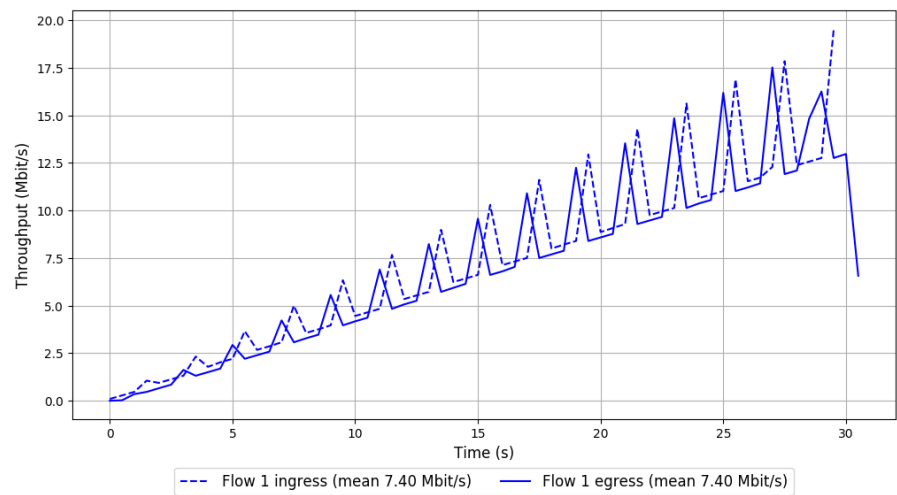
-- Flow 1:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 112.992 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-17 23:42:27

End at: 2018-07-17 23:42:57

Local clock offset: 1.92 ms

Remote clock offset: 3.775 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 112.128 ms

Loss rate: 0.00%

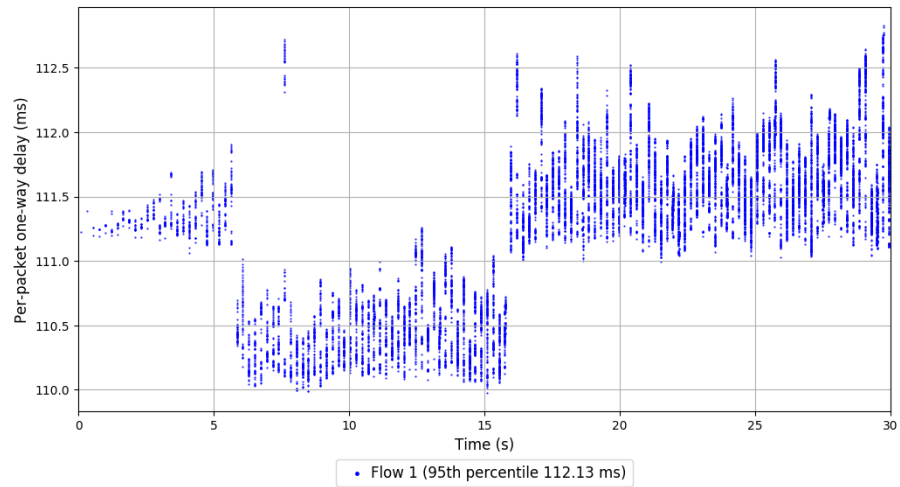
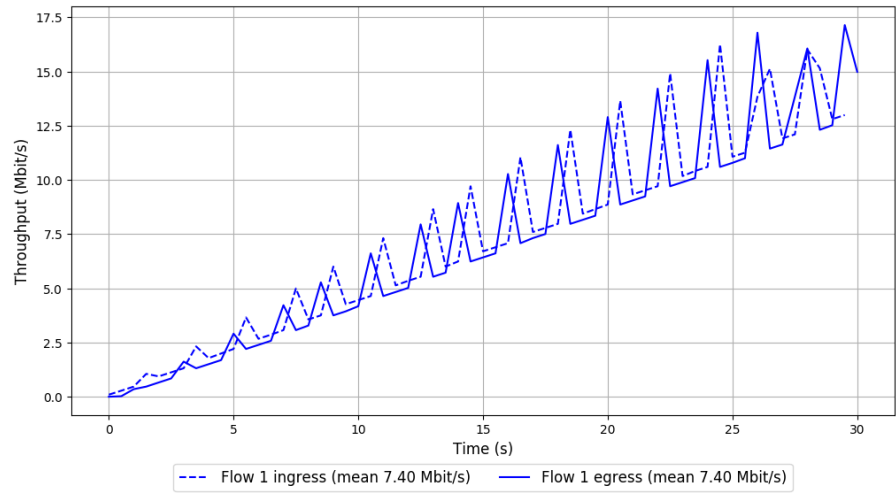
-- Flow 1:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 112.128 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-18 00:04:59

End at: 2018-07-18 00:05:29

Local clock offset: 0.486 ms

Remote clock offset: 3.925 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 113.623 ms

Loss rate: 0.00%

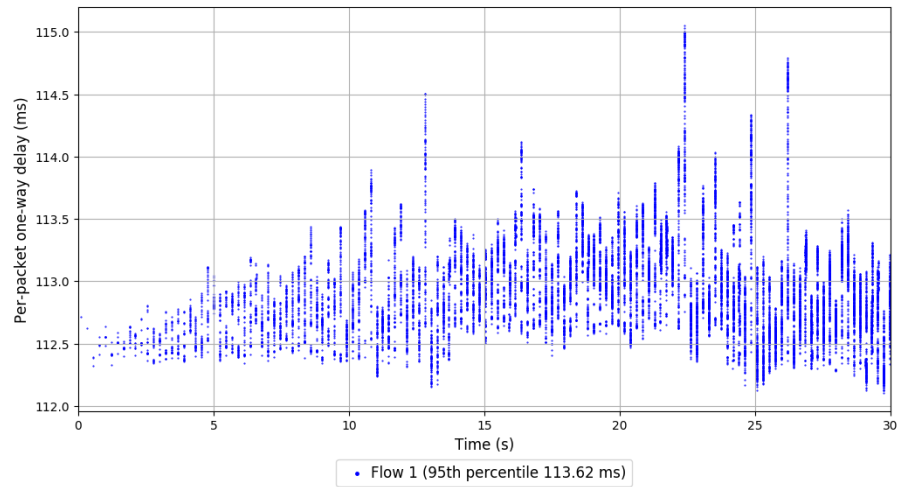
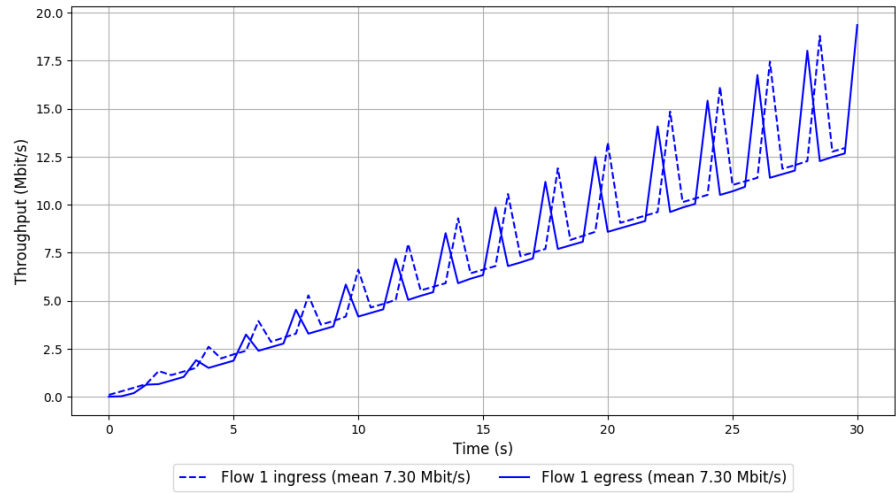
-- Flow 1:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 113.623 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-18 00:27:05

End at: 2018-07-18 00:27:35

Local clock offset: 0.911 ms

Remote clock offset: 0.786 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 112.389 ms

Loss rate: 0.00%

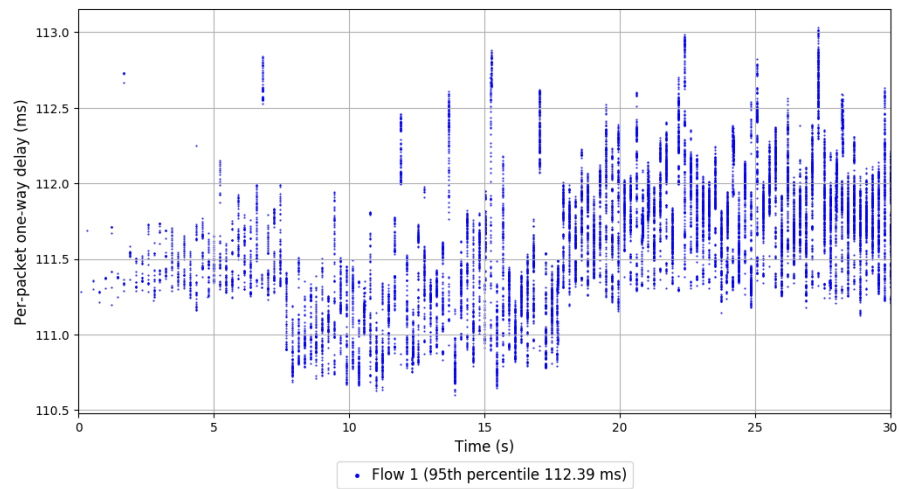
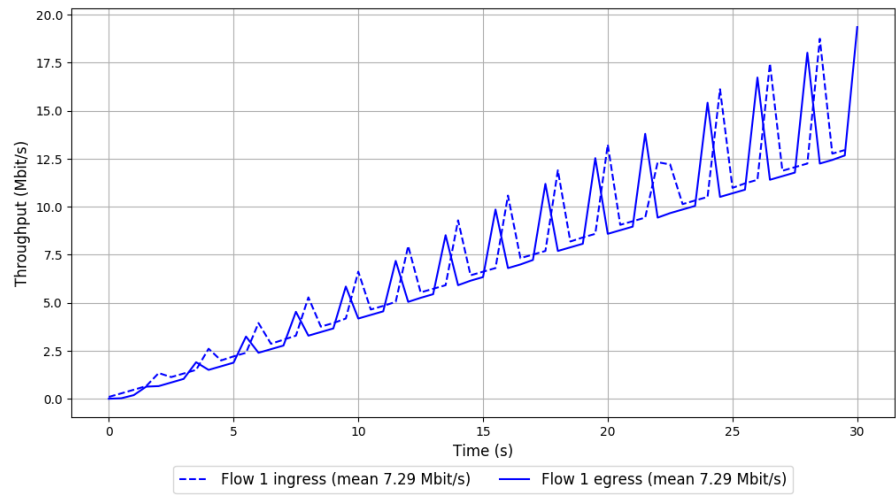
-- Flow 1:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 112.389 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-18 00:49:31

End at: 2018-07-18 00:50:01

Local clock offset: 0.122 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-07-18 02:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: 112.206 ms

Loss rate: 0.00%

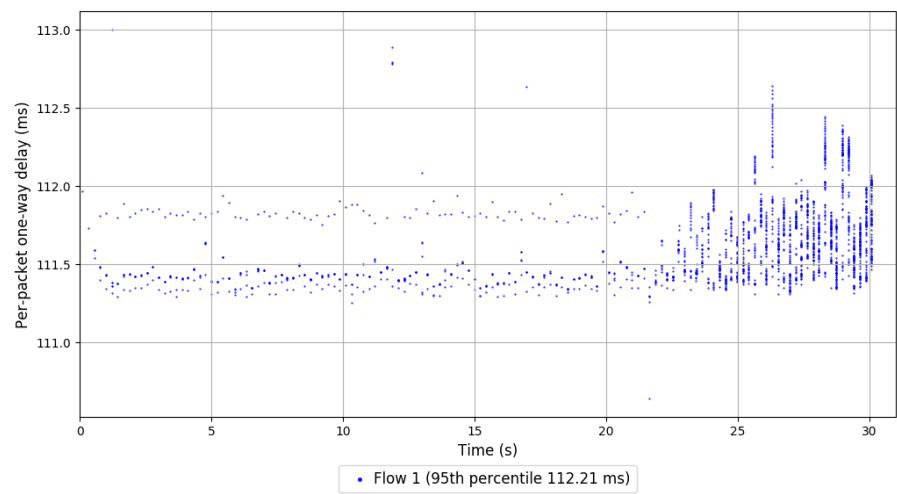
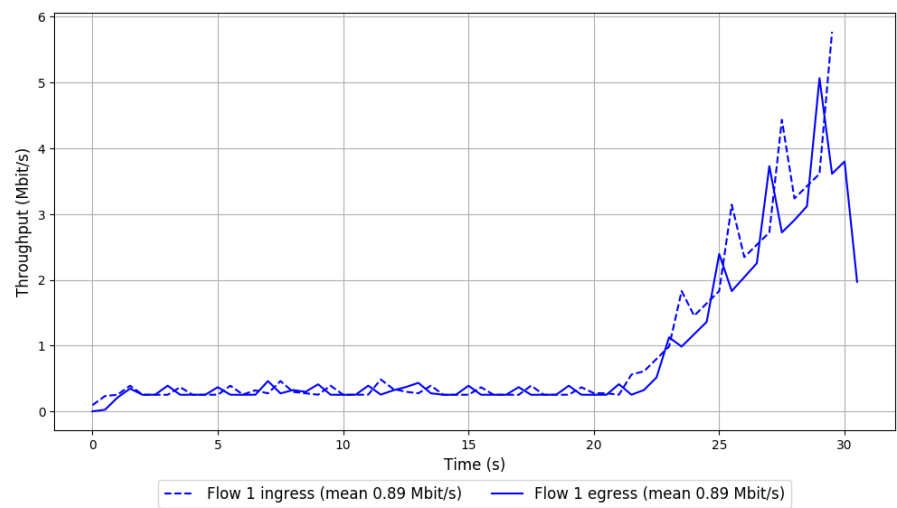
-- Flow 1:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: 112.206 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

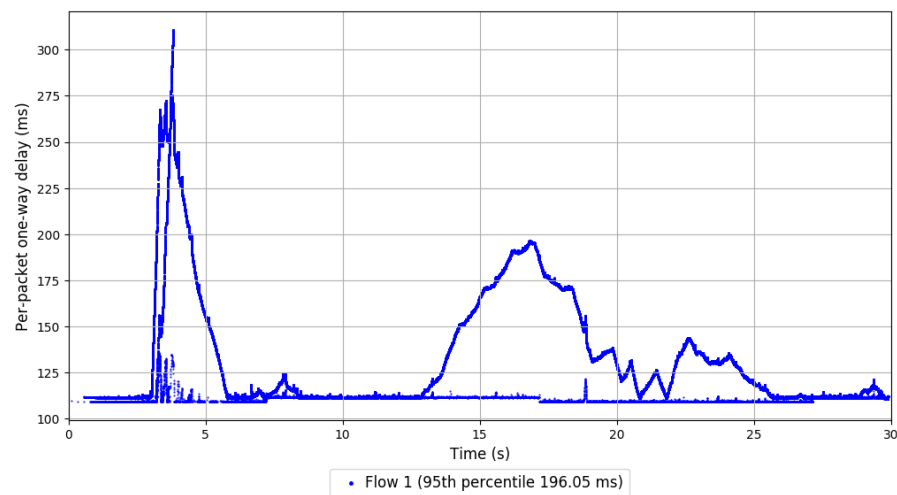
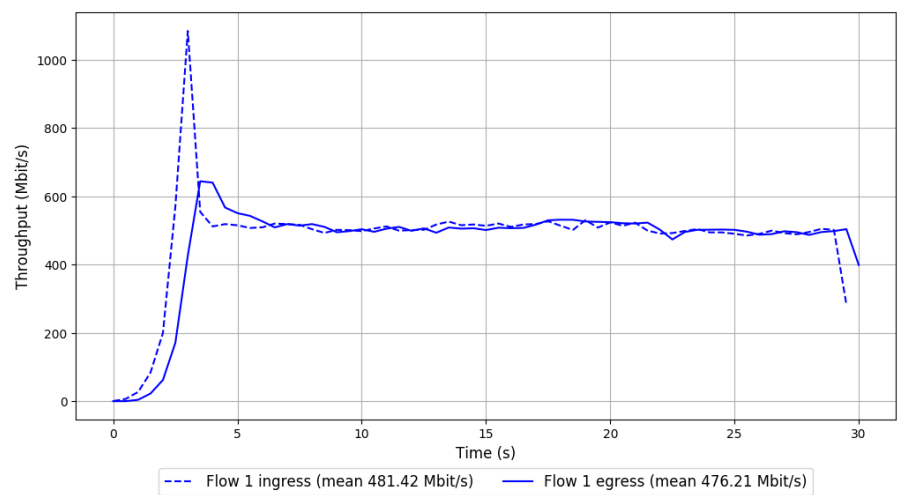


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-17 21:32:53
End at: 2018-07-17 21:33:23
Local clock offset: 17.554 ms
Remote clock offset: 16.094 ms

# Below is generated by plot.py at 2018-07-18 02:13:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 476.21 Mbit/s
95th percentile per-packet one-way delay: 196.052 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 476.21 Mbit/s
95th percentile per-packet one-way delay: 196.052 ms
Loss rate: 1.07%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-17 21:55:06

End at: 2018-07-17 21:55:36

Local clock offset: 19.425 ms

Remote clock offset: 18.312 ms

Below is generated by plot.py at 2018-07-18 02:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.38 Mbit/s

95th percentile per-packet one-way delay: 199.283 ms

Loss rate: 0.43%

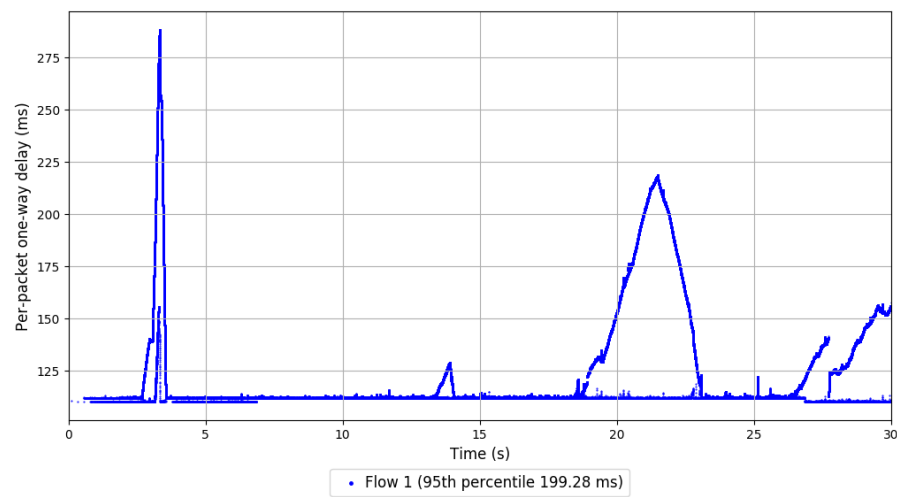
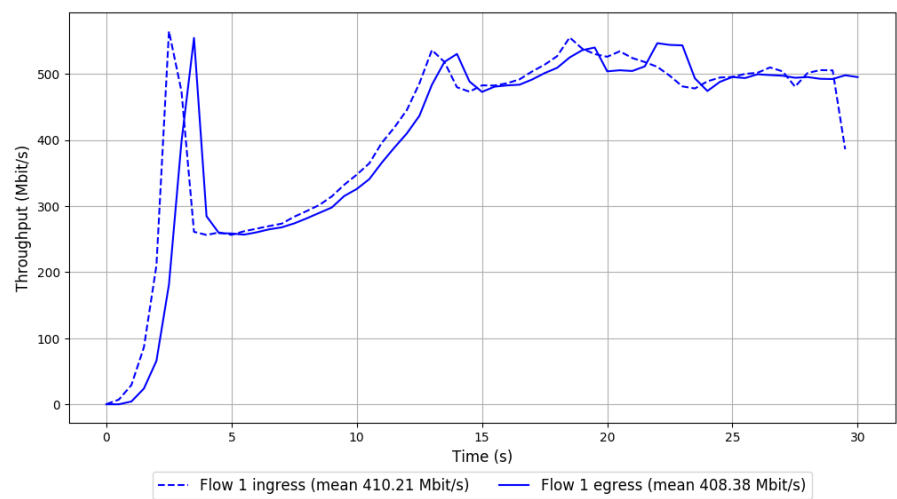
-- Flow 1:

Average throughput: 408.38 Mbit/s

95th percentile per-packet one-way delay: 199.283 ms

Loss rate: 0.43%

Run 2: Report of PCC-Allegro — Data Link

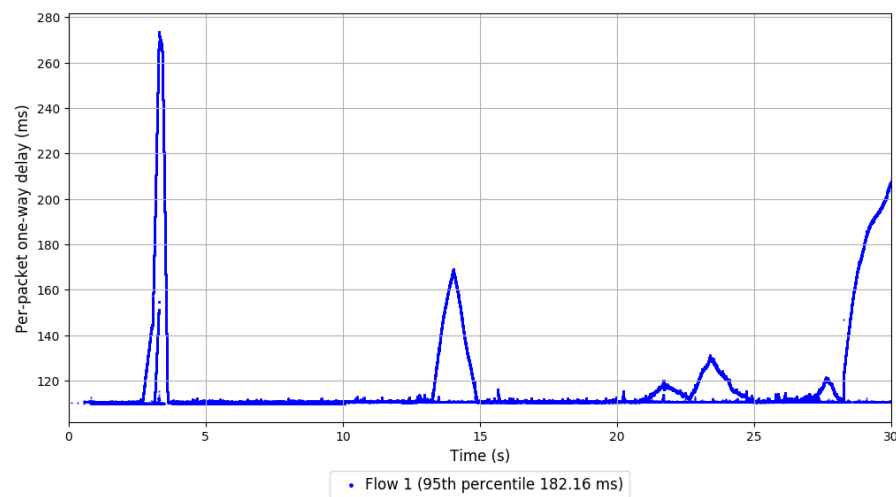
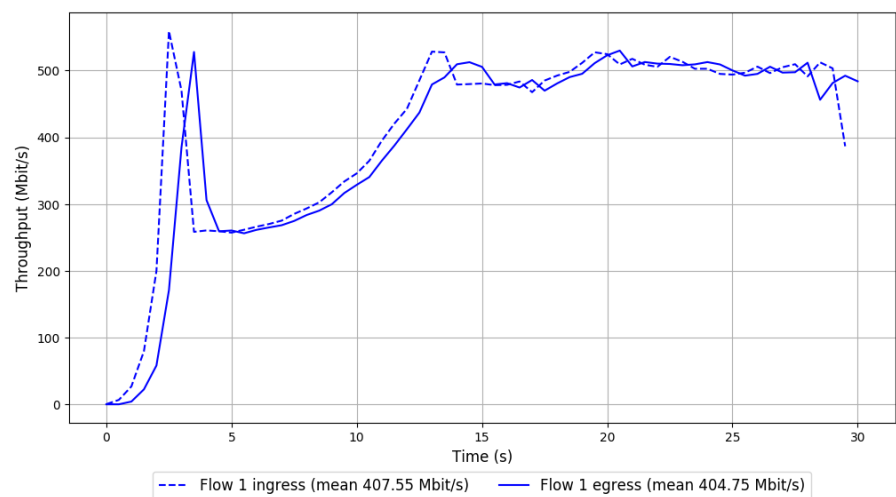


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-17 22:17:30
End at: 2018-07-17 22:18:00
Local clock offset: 32.804 ms
Remote clock offset: 30.286 ms

Below is generated by plot.py at 2018-07-18 02:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 404.75 Mbit/s
95th percentile per-packet one-way delay: 182.160 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 404.75 Mbit/s
95th percentile per-packet one-way delay: 182.160 ms
Loss rate: 0.68%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-17 22:40:06

End at: 2018-07-17 22:40:36

Local clock offset: 15.224 ms

Remote clock offset: 13.476 ms

Below is generated by plot.py at 2018-07-18 02:13:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.39 Mbit/s

95th percentile per-packet one-way delay: 145.168 ms

Loss rate: 0.30%

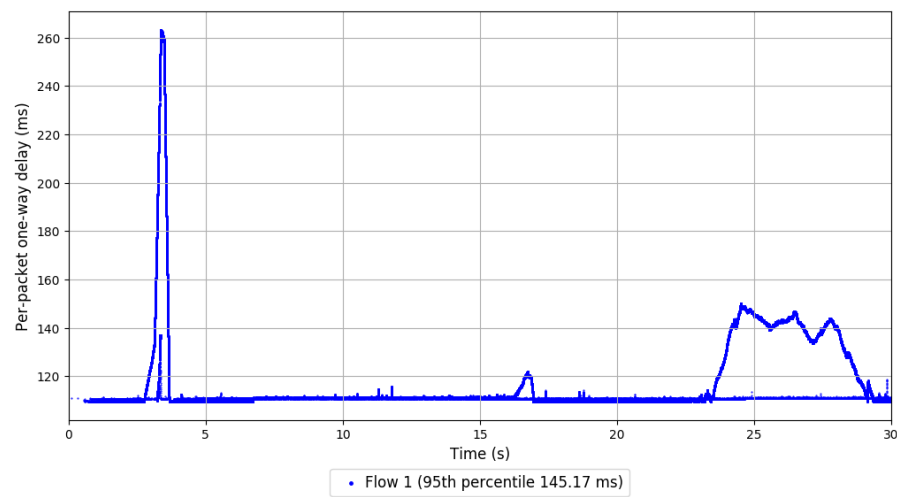
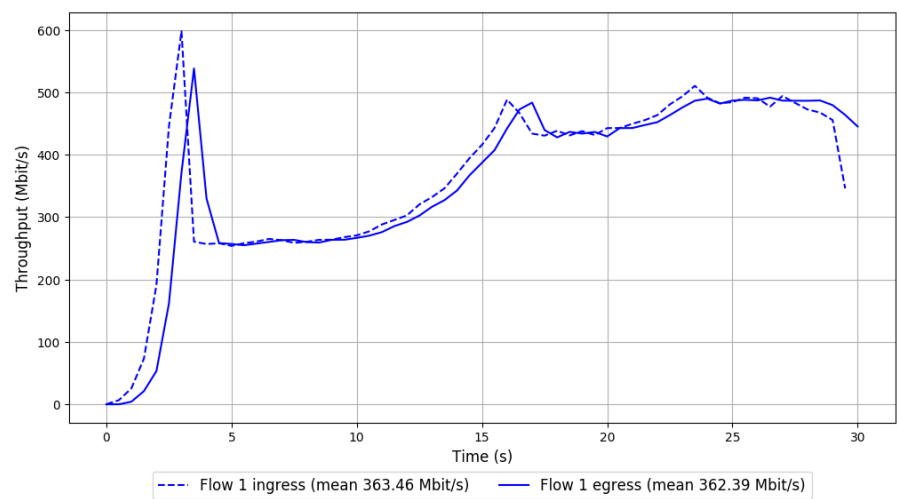
-- Flow 1:

Average throughput: 362.39 Mbit/s

95th percentile per-packet one-way delay: 145.168 ms

Loss rate: 0.30%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-17 23:02:37

End at: 2018-07-17 23:03:07

Local clock offset: 11.66 ms

Remote clock offset: 12.26 ms

Below is generated by plot.py at 2018-07-18 02:15:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 443.80 Mbit/s

95th percentile per-packet one-way delay: 254.884 ms

Loss rate: 1.74%

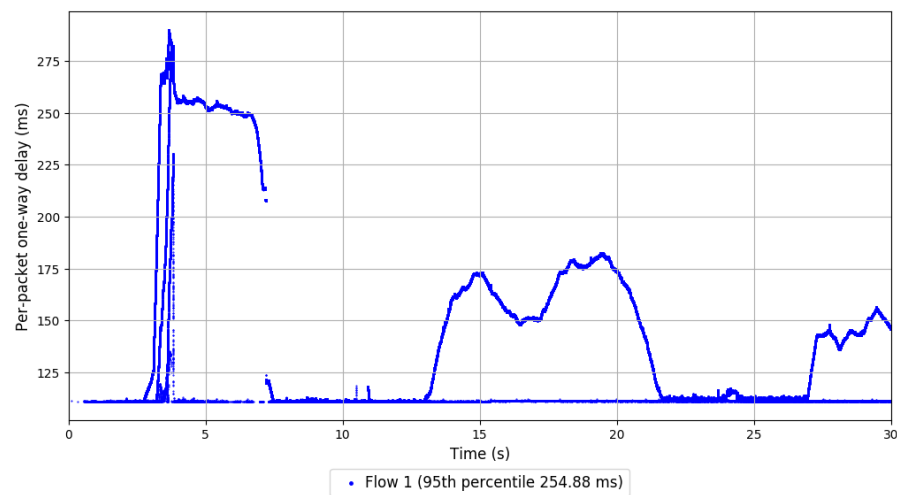
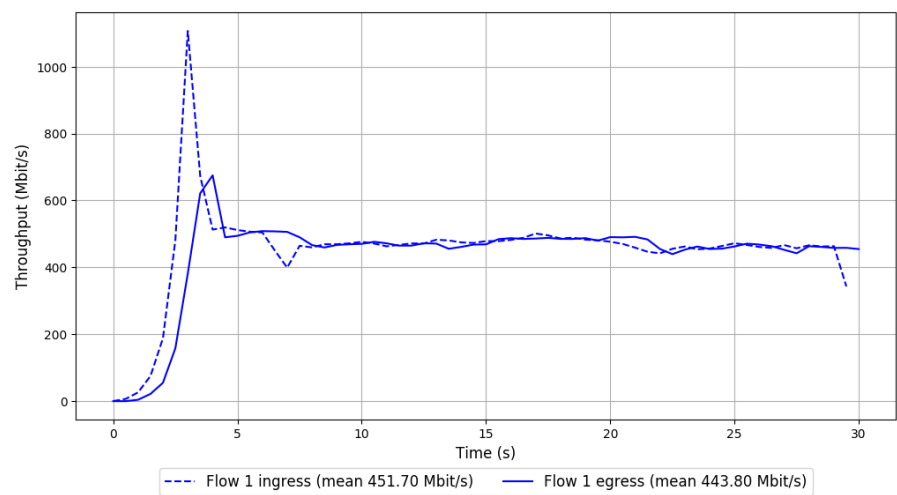
-- Flow 1:

Average throughput: 443.80 Mbit/s

95th percentile per-packet one-way delay: 254.884 ms

Loss rate: 1.74%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-17 23:25:02

End at: 2018-07-17 23:25:32

Local clock offset: 3.964 ms

Remote clock offset: 7.532 ms

Below is generated by plot.py at 2018-07-18 02:15:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.96 Mbit/s

95th percentile per-packet one-way delay: 164.990 ms

Loss rate: 0.35%

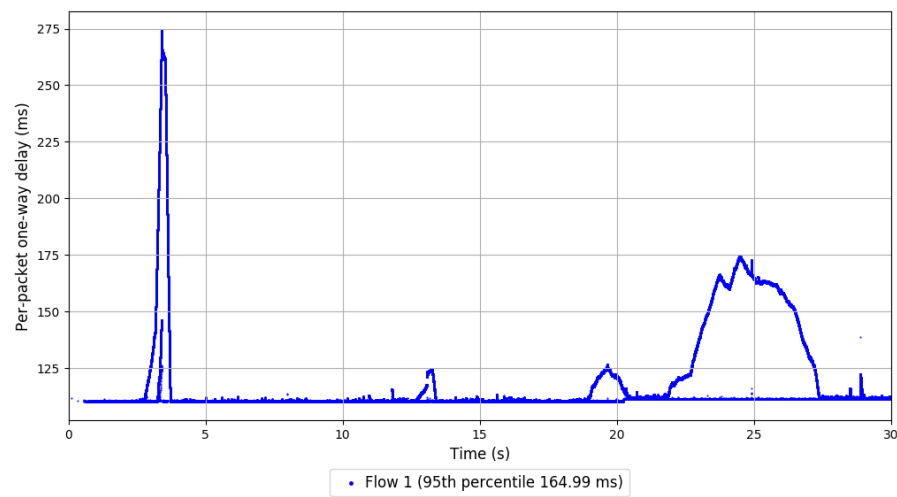
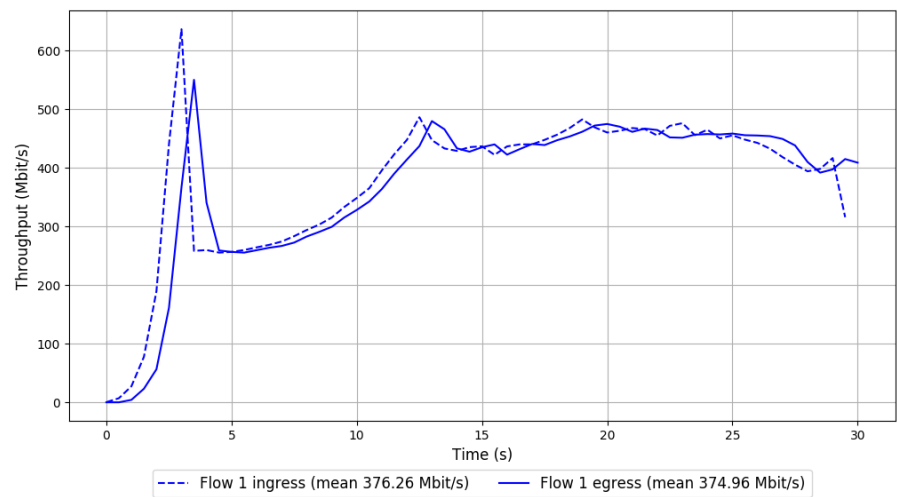
-- Flow 1:

Average throughput: 374.96 Mbit/s

95th percentile per-packet one-way delay: 164.990 ms

Loss rate: 0.35%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-17 23:47:18

End at: 2018-07-17 23:47:48

Local clock offset: 1.422 ms

Remote clock offset: 3.531 ms

Below is generated by plot.py at 2018-07-18 02:16:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 400.05 Mbit/s

95th percentile per-packet one-way delay: 263.878 ms

Loss rate: 3.60%

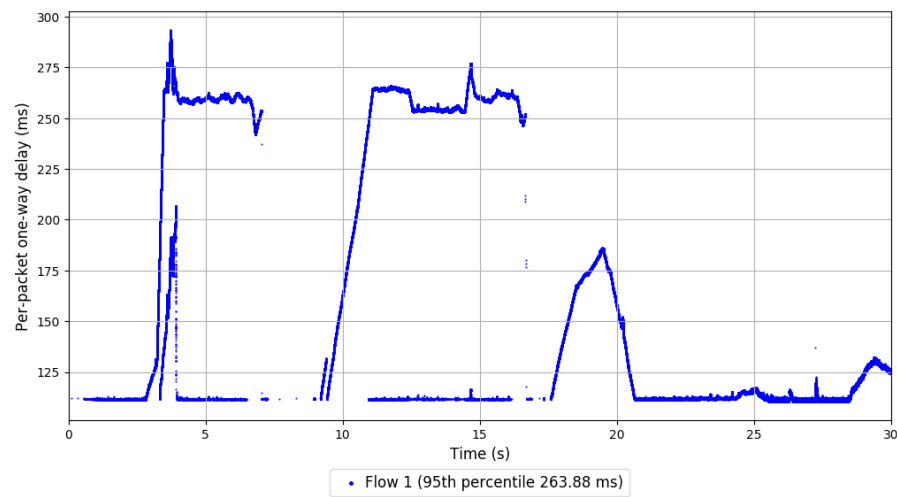
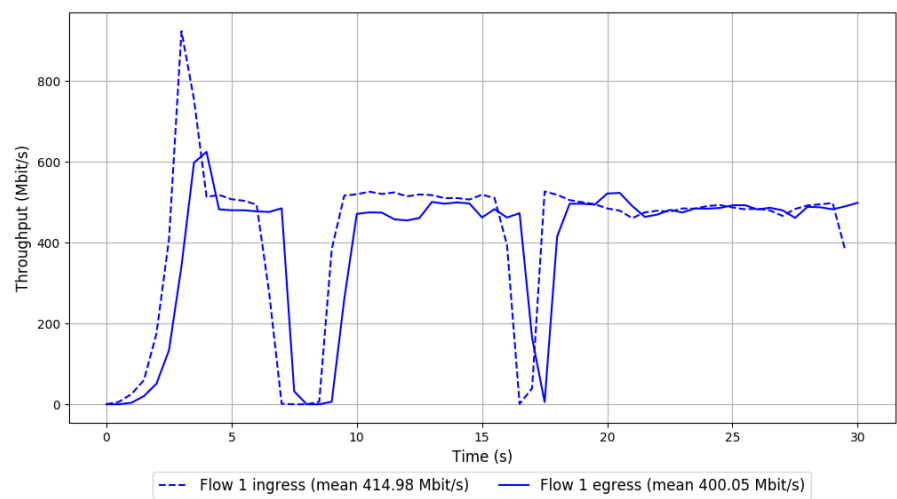
-- Flow 1:

Average throughput: 400.05 Mbit/s

95th percentile per-packet one-way delay: 263.878 ms

Loss rate: 3.60%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 00:09:43

End at: 2018-07-18 00:10:13

Local clock offset: 2.789 ms

Remote clock offset: 3.18 ms

Below is generated by plot.py at 2018-07-18 02:18:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.65 Mbit/s

95th percentile per-packet one-way delay: 187.687 ms

Loss rate: 0.75%

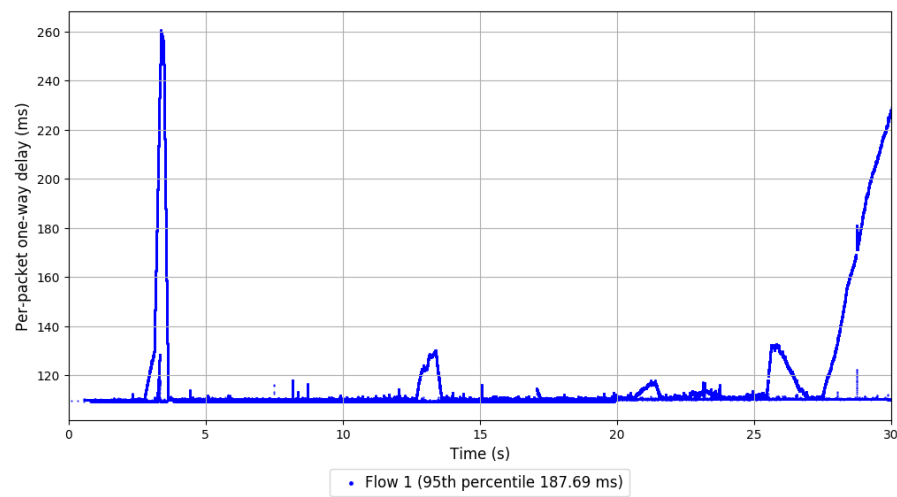
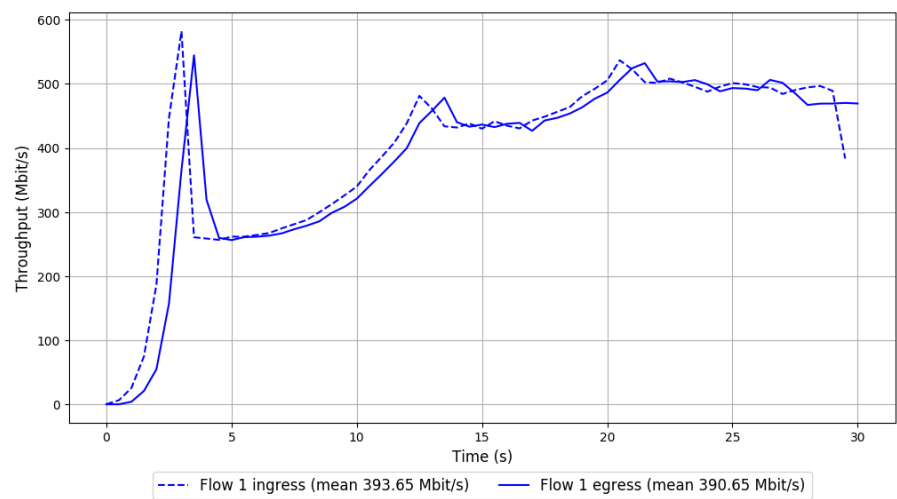
-- Flow 1:

Average throughput: 390.65 Mbit/s

95th percentile per-packet one-way delay: 187.687 ms

Loss rate: 0.75%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 00:32:11

End at: 2018-07-18 00:32:41

Local clock offset: -0.735 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2018-07-18 02:19:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 448.58 Mbit/s

95th percentile per-packet one-way delay: 260.087 ms

Loss rate: 1.89%

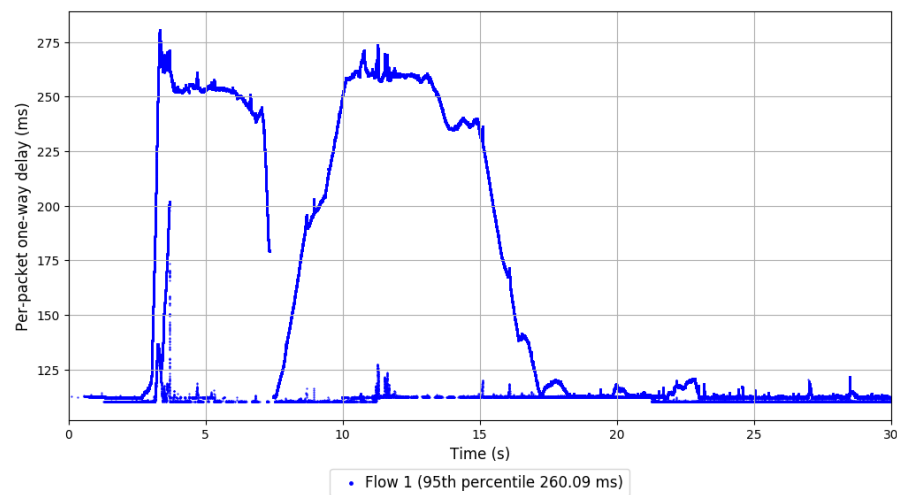
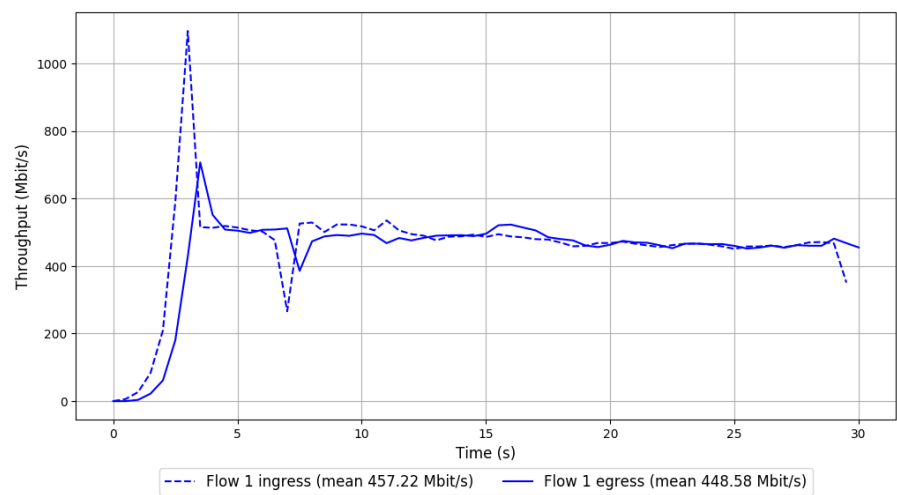
-- Flow 1:

Average throughput: 448.58 Mbit/s

95th percentile per-packet one-way delay: 260.087 ms

Loss rate: 1.89%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 00:54:28

End at: 2018-07-18 00:54:58

Local clock offset: 0.1 ms

Remote clock offset: 0.595 ms

Below is generated by plot.py at 2018-07-18 02:19:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.16 Mbit/s

95th percentile per-packet one-way delay: 264.534 ms

Loss rate: 0.54%

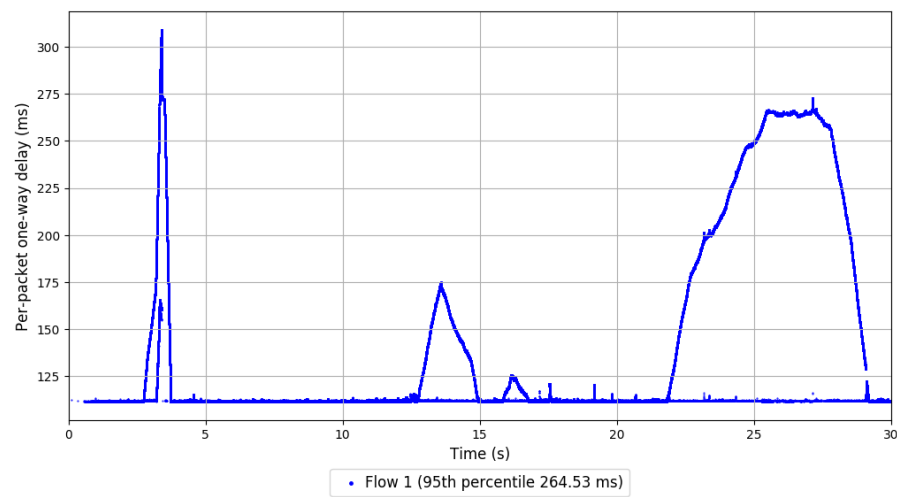
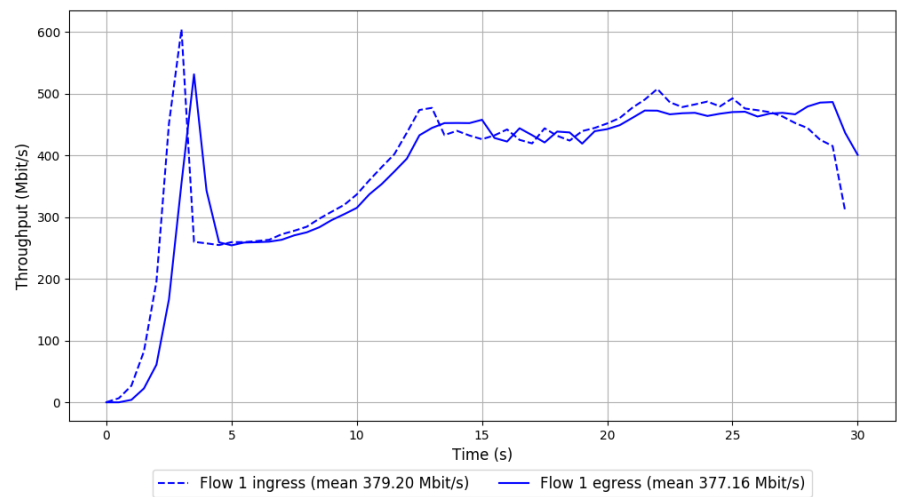
-- Flow 1:

Average throughput: 377.16 Mbit/s

95th percentile per-packet one-way delay: 264.534 ms

Loss rate: 0.54%

Run 10: Report of PCC-Allegro — Data Link

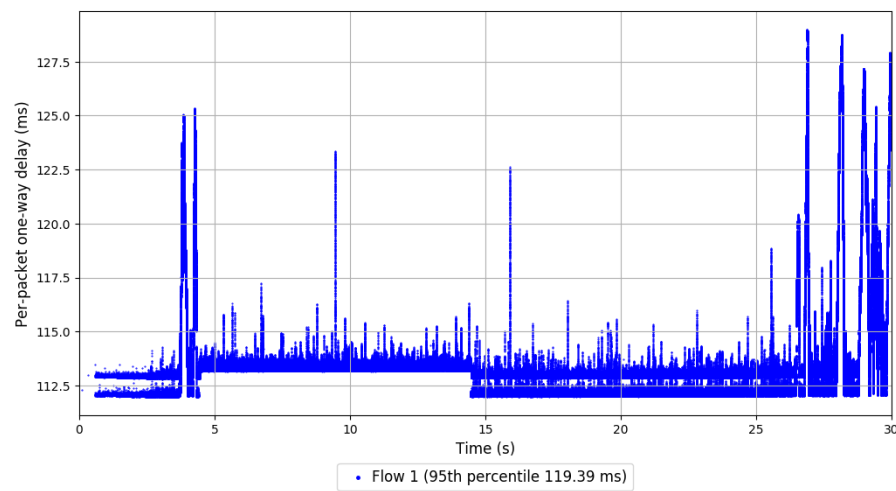
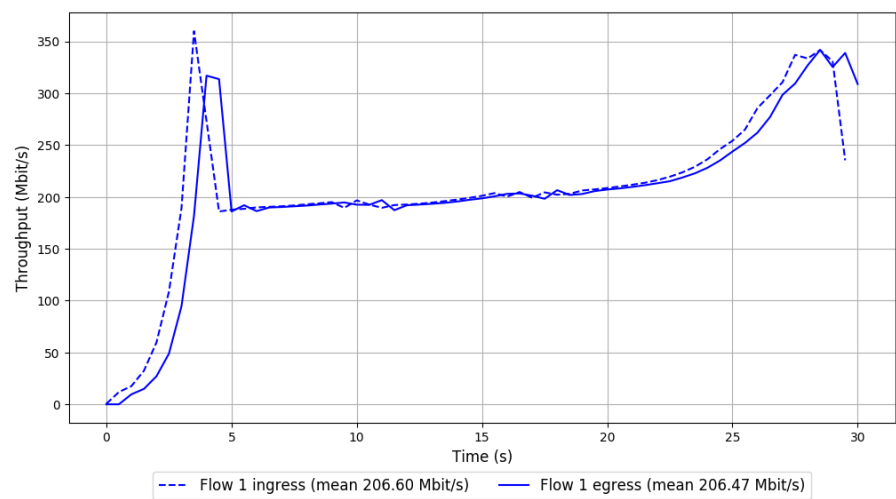


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-17 21:40:08
End at: 2018-07-17 21:40:38
Local clock offset: 13.145 ms
Remote clock offset: 13.602 ms

# Below is generated by plot.py at 2018-07-18 02:19:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.47 Mbit/s
95th percentile per-packet one-way delay: 119.385 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 206.47 Mbit/s
95th percentile per-packet one-way delay: 119.385 ms
Loss rate: 0.06%
```

Run 1: Report of PCC-Expr — Data Link

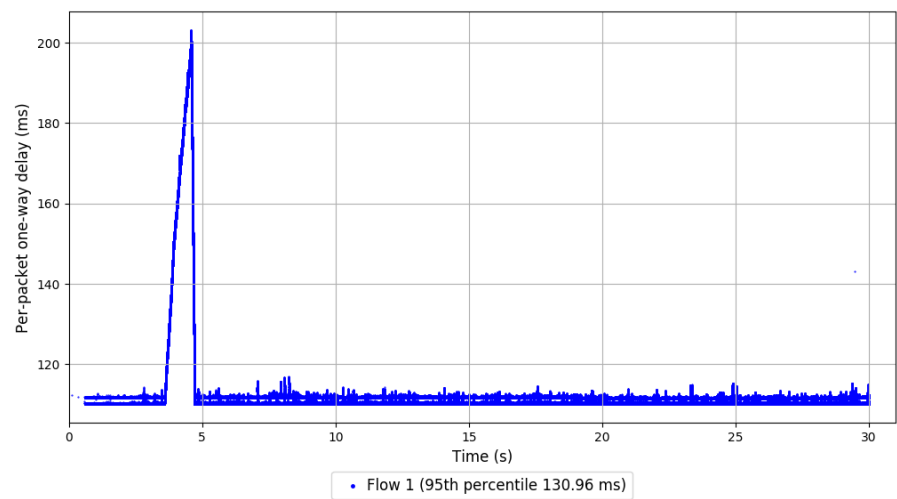
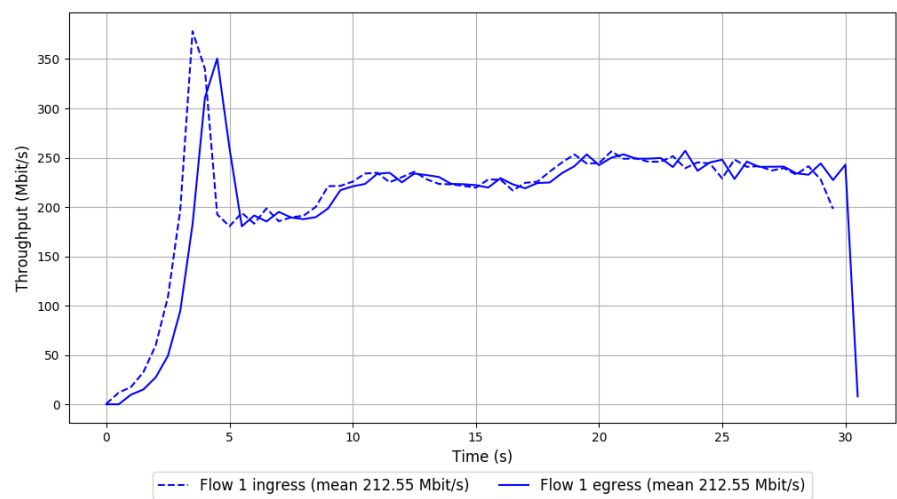


Run 2: Statistics of PCC-Expr

Start at: 2018-07-17 22:02:13
End at: 2018-07-17 22:02:43
Local clock offset: 20.521 ms
Remote clock offset: 18.706 ms

Below is generated by plot.py at 2018-07-18 02:19:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.55 Mbit/s
95th percentile per-packet one-way delay: 130.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.55 Mbit/s
95th percentile per-packet one-way delay: 130.964 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

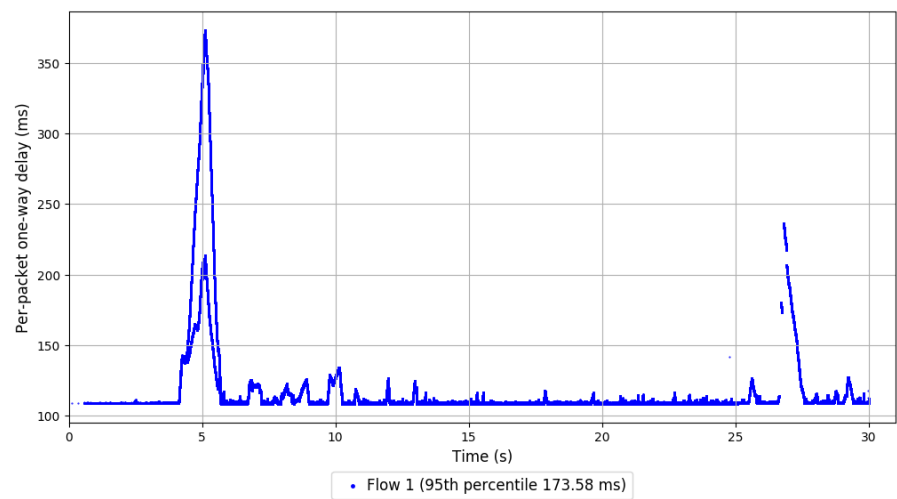
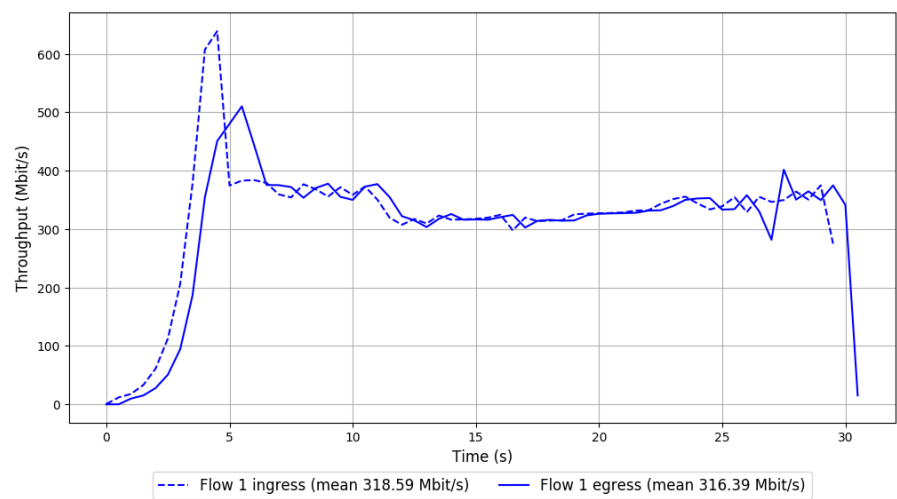


Run 3: Statistics of PCC-Expr

Start at: 2018-07-17 22:24:37
End at: 2018-07-17 22:25:07
Local clock offset: 38.308 ms
Remote clock offset: 34.091 ms

Below is generated by plot.py at 2018-07-18 02:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 316.39 Mbit/s
95th percentile per-packet one-way delay: 173.583 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 316.39 Mbit/s
95th percentile per-packet one-way delay: 173.583 ms
Loss rate: 0.69%

Run 3: Report of PCC-Expr — Data Link

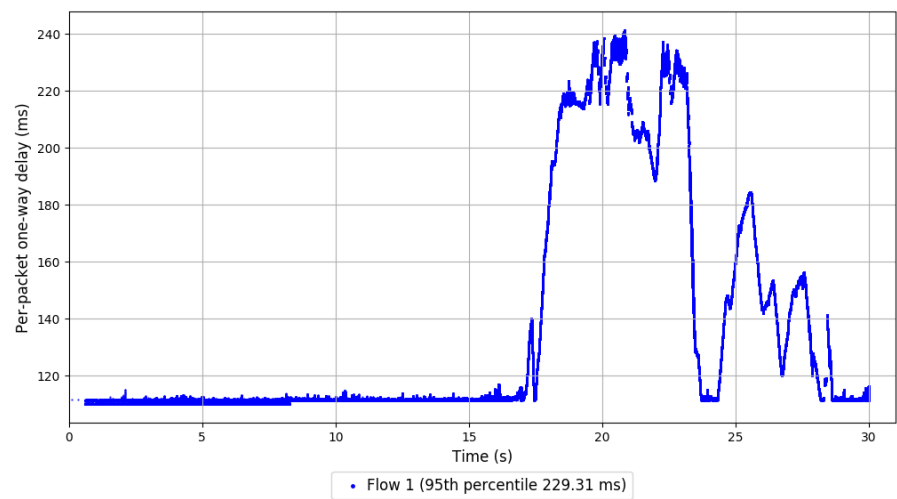
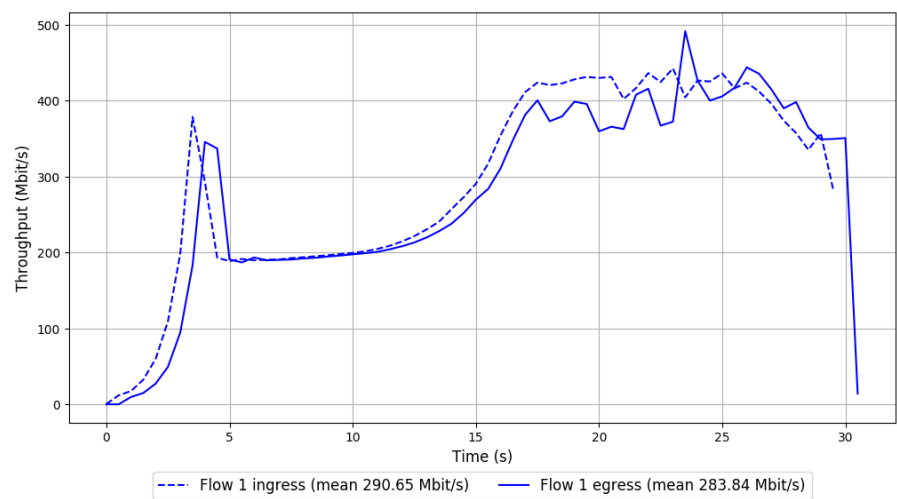


Run 4: Statistics of PCC-Expr

Start at: 2018-07-17 22:47:14
End at: 2018-07-17 22:47:44
Local clock offset: 15.961 ms
Remote clock offset: 14.584 ms

Below is generated by plot.py at 2018-07-18 02:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.84 Mbit/s
95th percentile per-packet one-way delay: 229.310 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 283.84 Mbit/s
95th percentile per-packet one-way delay: 229.310 ms
Loss rate: 2.34%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-17 23:09:53

End at: 2018-07-17 23:10:23

Local clock offset: 6.32 ms

Remote clock offset: 7.202 ms

Below is generated by plot.py at 2018-07-18 02:27:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.07 Mbit/s

95th percentile per-packet one-way delay: 138.996 ms

Loss rate: 0.04%

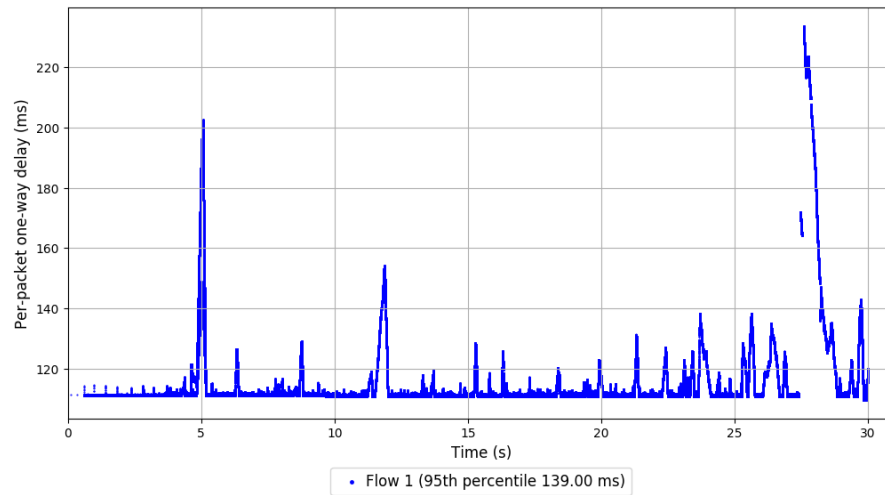
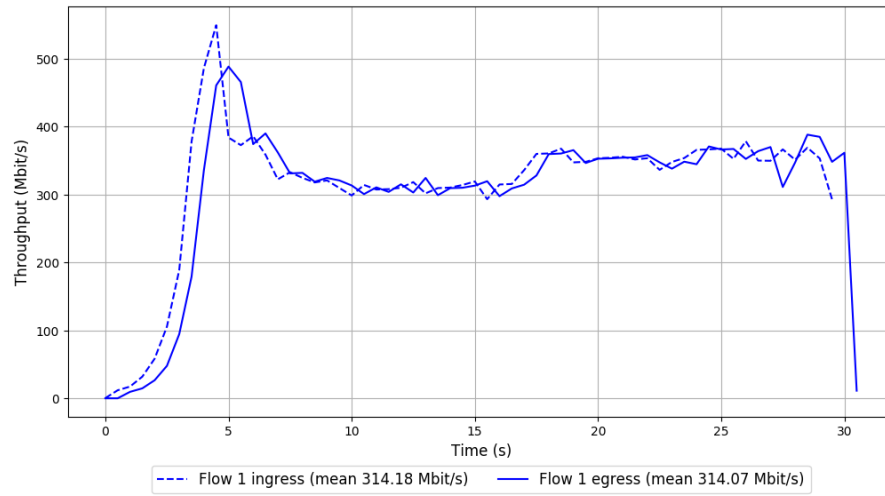
-- Flow 1:

Average throughput: 314.07 Mbit/s

95th percentile per-packet one-way delay: 138.996 ms

Loss rate: 0.04%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-17 23:32:04

End at: 2018-07-17 23:32:34

Local clock offset: 4.342 ms

Remote clock offset: 8.93 ms

Below is generated by plot.py at 2018-07-18 02:29:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.44 Mbit/s

95th percentile per-packet one-way delay: 228.000 ms

Loss rate: 2.17%

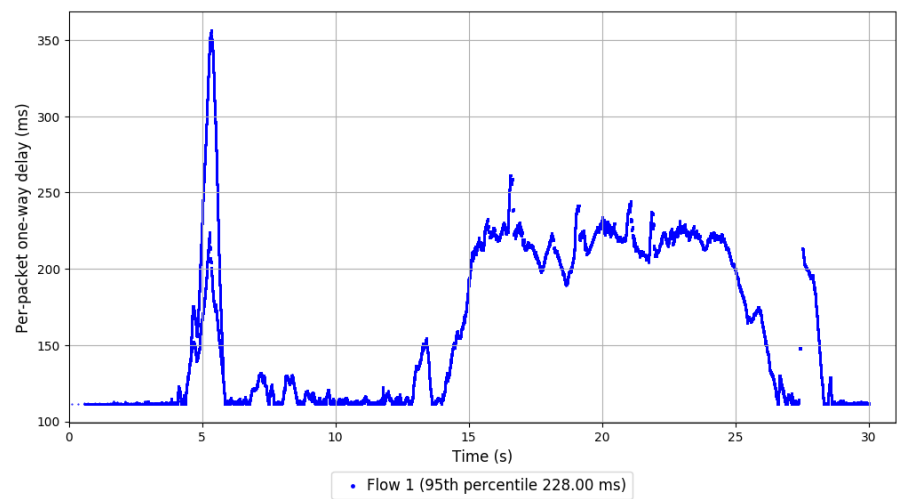
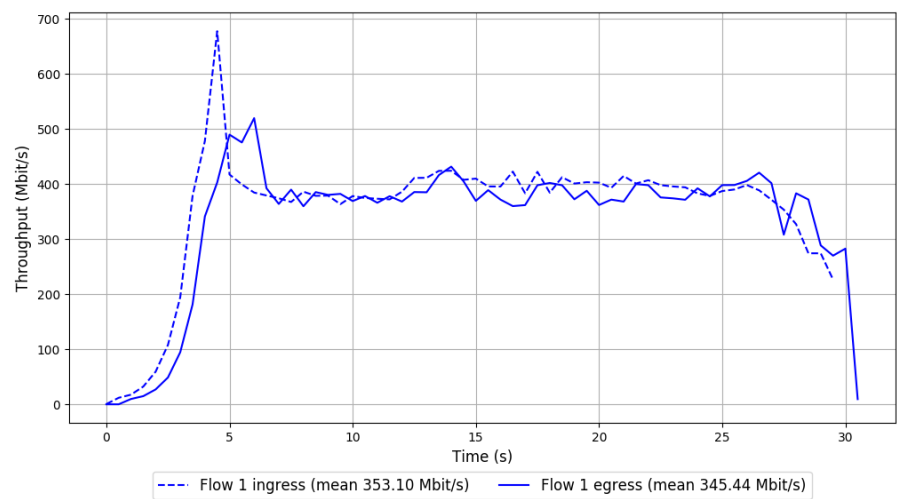
-- Flow 1:

Average throughput: 345.44 Mbit/s

95th percentile per-packet one-way delay: 228.000 ms

Loss rate: 2.17%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-17 23:54:34

End at: 2018-07-17 23:55:04

Local clock offset: 2.779 ms

Remote clock offset: 3.178 ms

Below is generated by plot.py at 2018-07-18 02:29:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.72 Mbit/s

95th percentile per-packet one-way delay: 189.145 ms

Loss rate: 1.63%

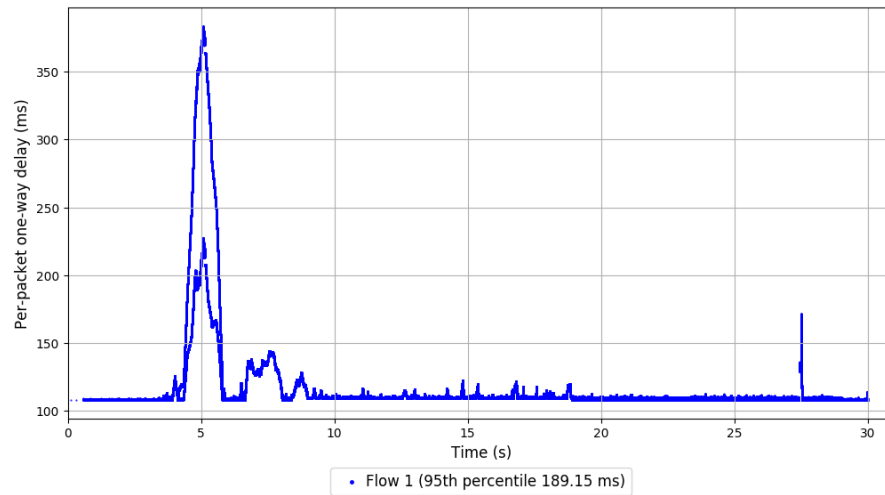
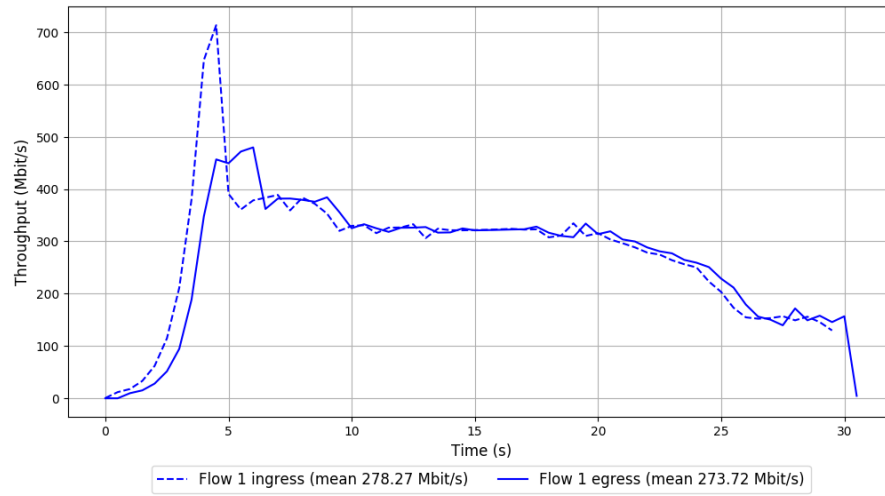
-- Flow 1:

Average throughput: 273.72 Mbit/s

95th percentile per-packet one-way delay: 189.145 ms

Loss rate: 1.63%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 00:16:59

End at: 2018-07-18 00:17:29

Local clock offset: 0.618 ms

Remote clock offset: 1.374 ms

Below is generated by plot.py at 2018-07-18 02:29:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.66 Mbit/s

95th percentile per-packet one-way delay: 116.242 ms

Loss rate: 0.01%

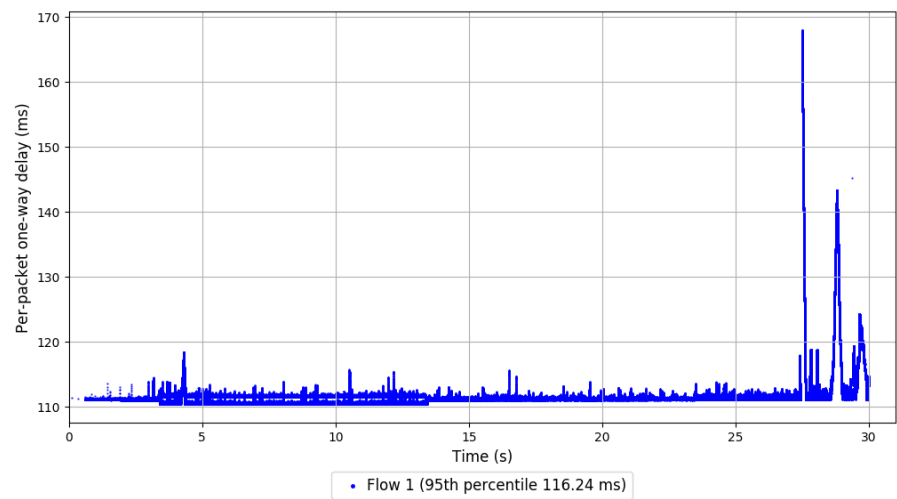
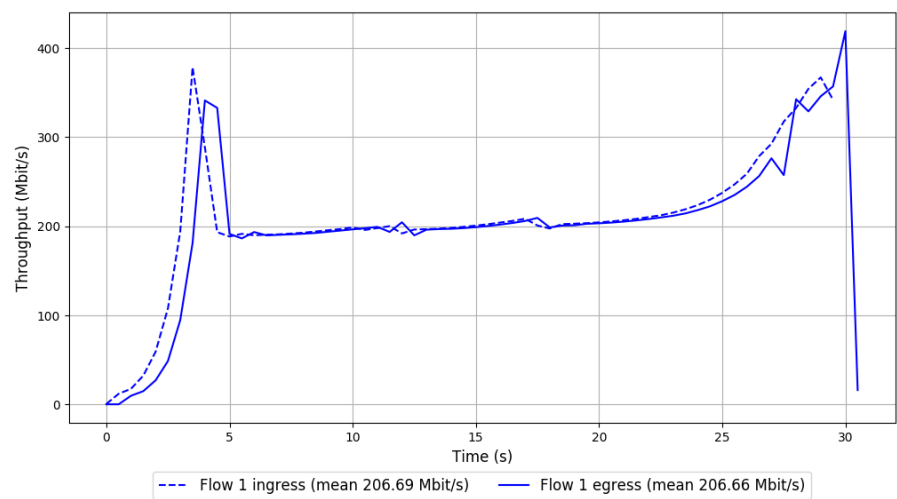
-- Flow 1:

Average throughput: 206.66 Mbit/s

95th percentile per-packet one-way delay: 116.242 ms

Loss rate: 0.01%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 00:39:17

End at: 2018-07-18 00:39:47

Local clock offset: 0.67 ms

Remote clock offset: 0.829 ms

Below is generated by plot.py at 2018-07-18 02:29:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.18 Mbit/s

95th percentile per-packet one-way delay: 111.726 ms

Loss rate: 0.00%

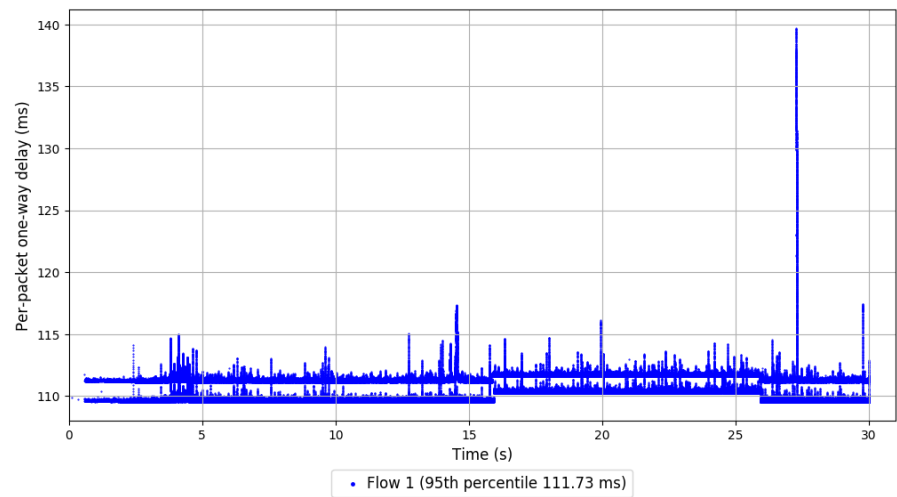
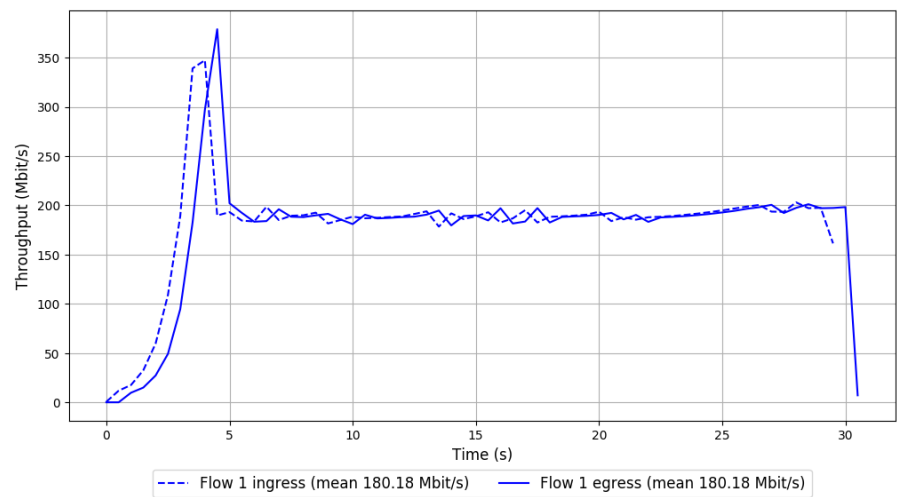
-- Flow 1:

Average throughput: 180.18 Mbit/s

95th percentile per-packet one-way delay: 111.726 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 01:01:41

End at: 2018-07-18 01:02:11

Local clock offset: -0.081 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-07-18 02:29:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.31 Mbit/s

95th percentile per-packet one-way delay: 173.463 ms

Loss rate: 0.07%

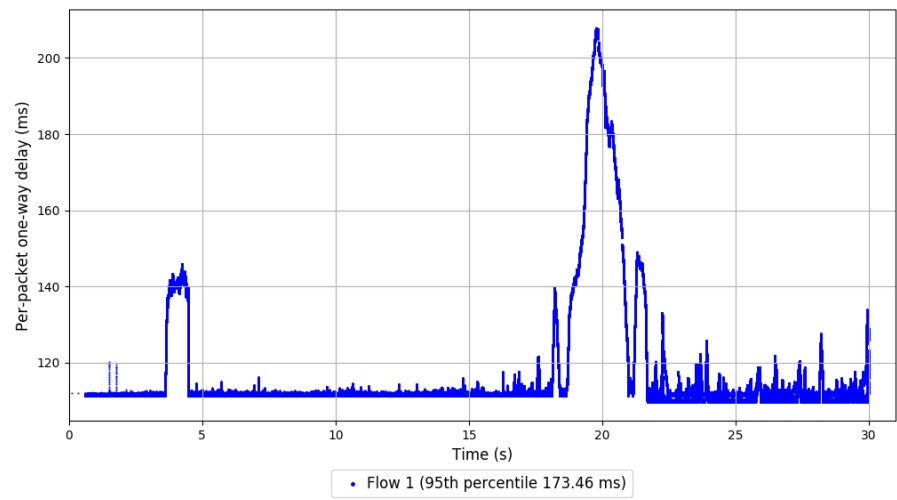
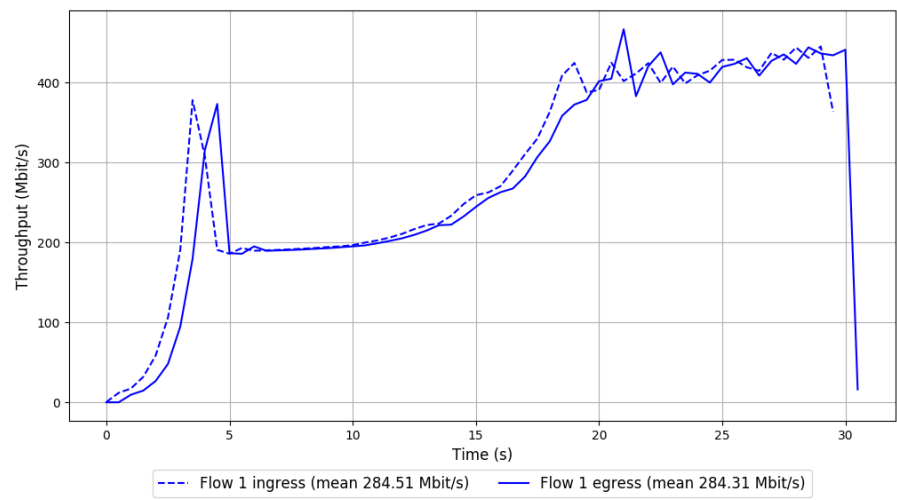
-- Flow 1:

Average throughput: 284.31 Mbit/s

95th percentile per-packet one-way delay: 173.463 ms

Loss rate: 0.07%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

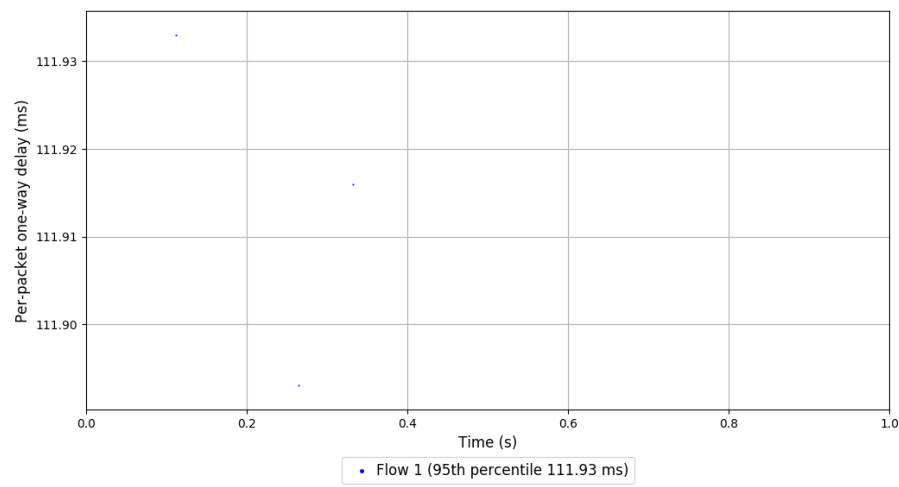
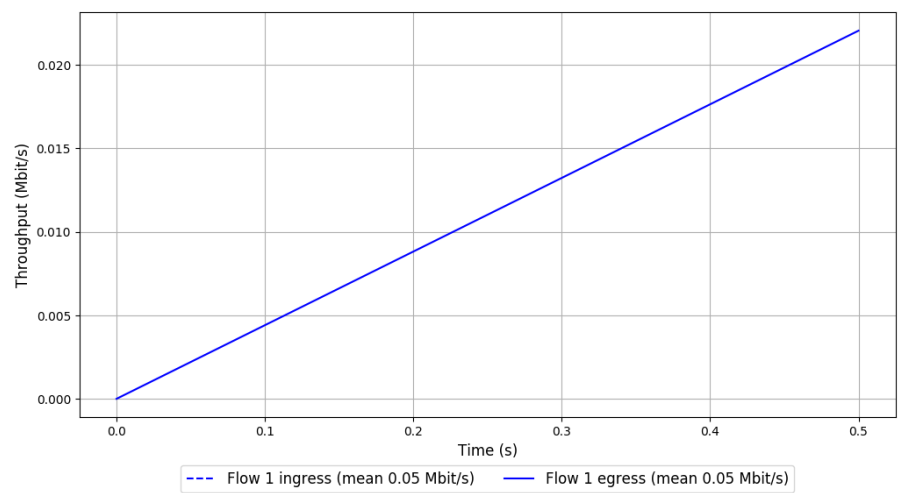
Start at: 2018-07-17 21:41:35

End at: 2018-07-17 21:42:05

Local clock offset: 14.439 ms

Remote clock offset: 14.488 ms

Run 1: Report of QUIC Cubic — Data Link

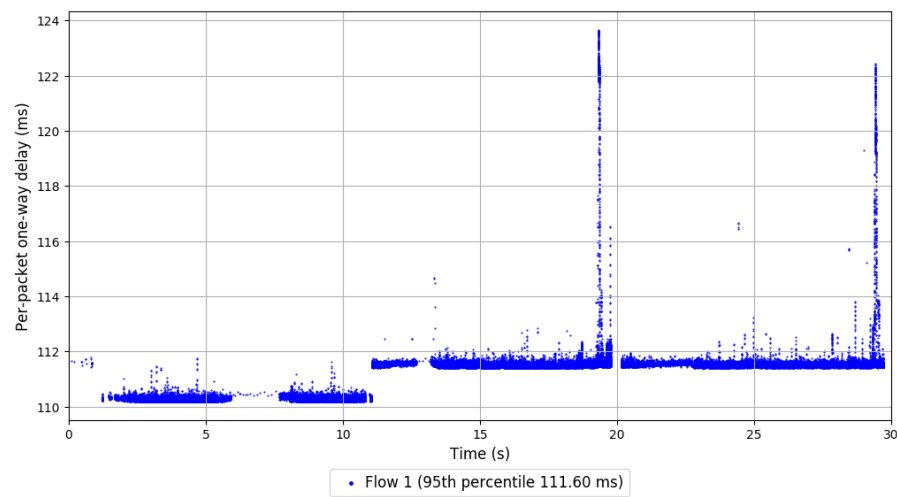
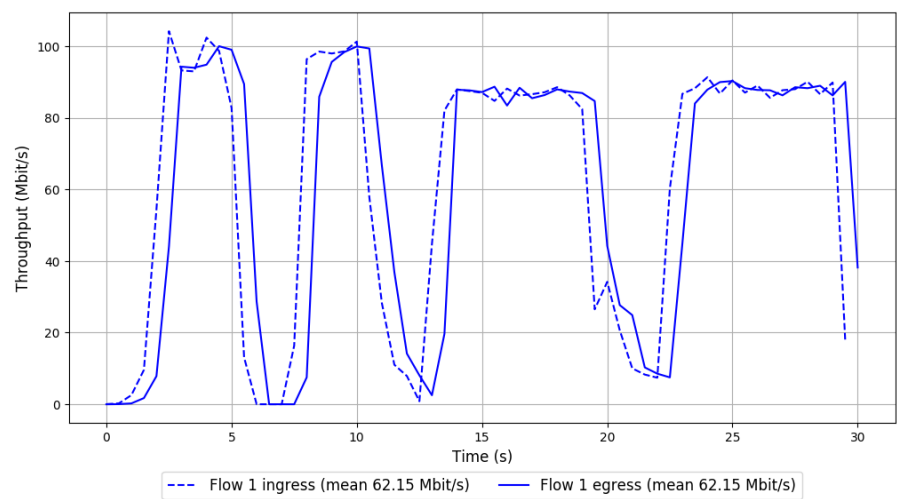


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-17 22:03:41
End at: 2018-07-17 22:04:11
Local clock offset: 21.074 ms
Remote clock offset: 19.037 ms

Below is generated by plot.py at 2018-07-18 02:29:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 111.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 111.603 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-17 22:26:14

End at: 2018-07-17 22:26:44

Local clock offset: 31.12 ms

Remote clock offset: 28.628 ms

Below is generated by plot.py at 2018-07-18 02:29:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.82 Mbit/s

95th percentile per-packet one-way delay: 111.544 ms

Loss rate: 0.00%

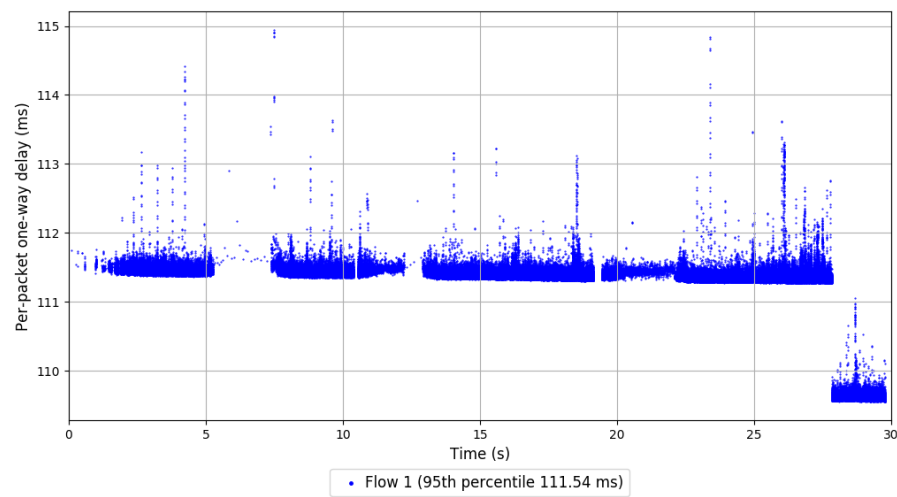
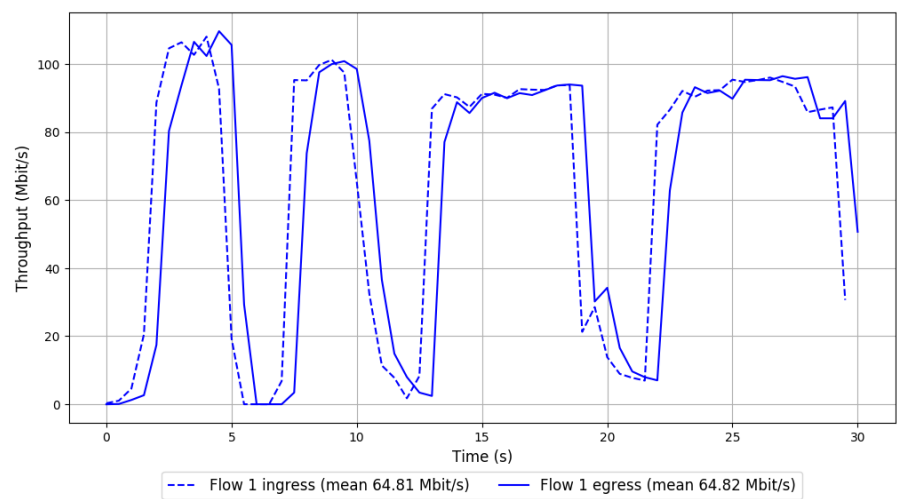
-- Flow 1:

Average throughput: 64.82 Mbit/s

95th percentile per-packet one-way delay: 111.544 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

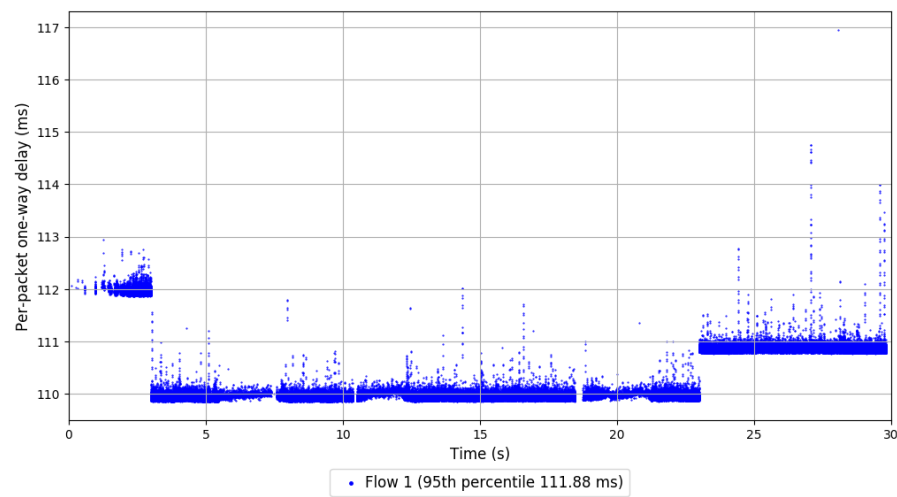
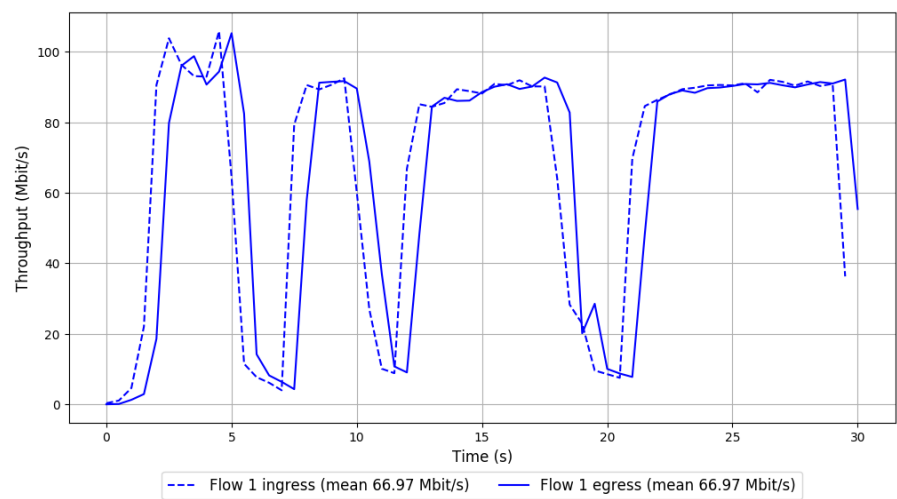


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-17 22:48:49
End at: 2018-07-17 22:49:19
Local clock offset: 16.239 ms
Remote clock offset: 15.269 ms

Below is generated by plot.py at 2018-07-18 02:29:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 111.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 111.878 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-17 23:11:30

End at: 2018-07-17 23:12:00

Local clock offset: 6.989 ms

Remote clock offset: 7.491 ms

Below is generated by plot.py at 2018-07-18 02:29:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.73 Mbit/s

95th percentile per-packet one-way delay: 110.557 ms

Loss rate: 0.00%

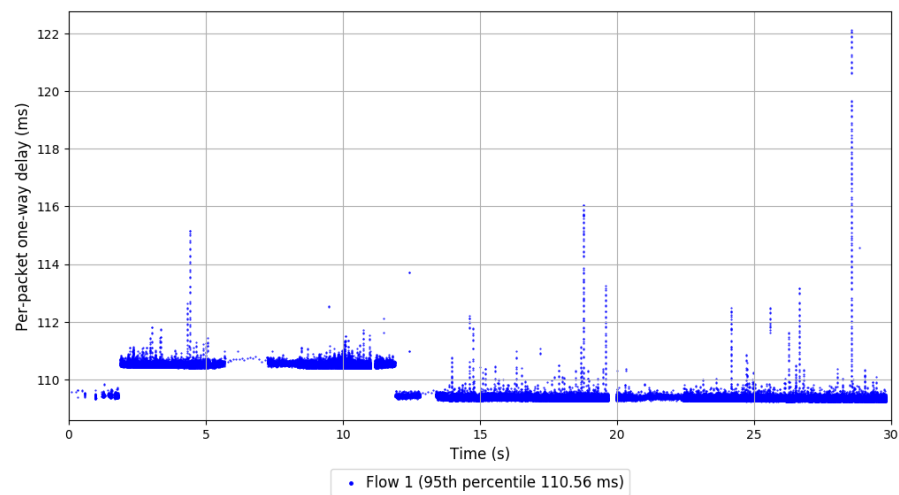
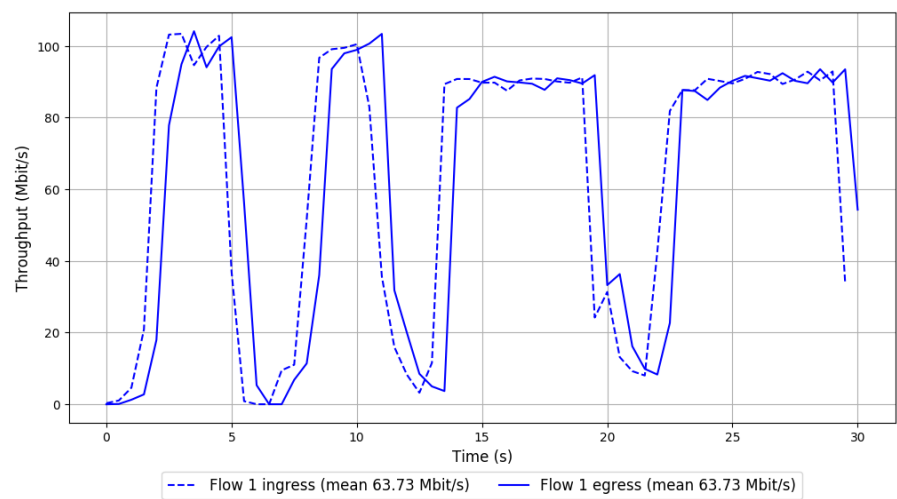
-- Flow 1:

Average throughput: 63.73 Mbit/s

95th percentile per-packet one-way delay: 110.557 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-17 23:33:44

End at: 2018-07-17 23:34:14

Local clock offset: 3.952 ms

Remote clock offset: 7.971 ms

Below is generated by plot.py at 2018-07-18 02:29:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.65 Mbit/s

95th percentile per-packet one-way delay: 111.131 ms

Loss rate: 0.00%

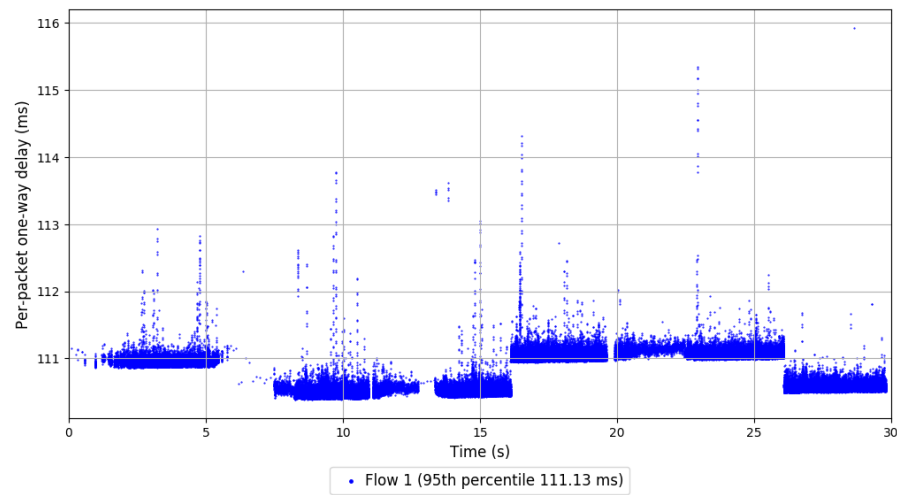
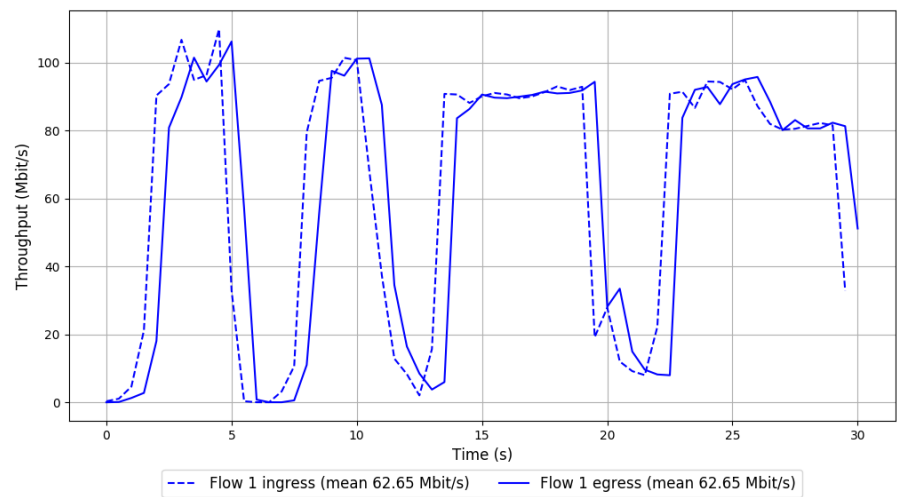
-- Flow 1:

Average throughput: 62.65 Mbit/s

95th percentile per-packet one-way delay: 111.131 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-17 23:56:05

End at: 2018-07-17 23:56:35

Local clock offset: 1.515 ms

Remote clock offset: 3.659 ms

Below is generated by plot.py at 2018-07-18 02:29:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.08 Mbit/s

95th percentile per-packet one-way delay: 111.725 ms

Loss rate: 0.00%

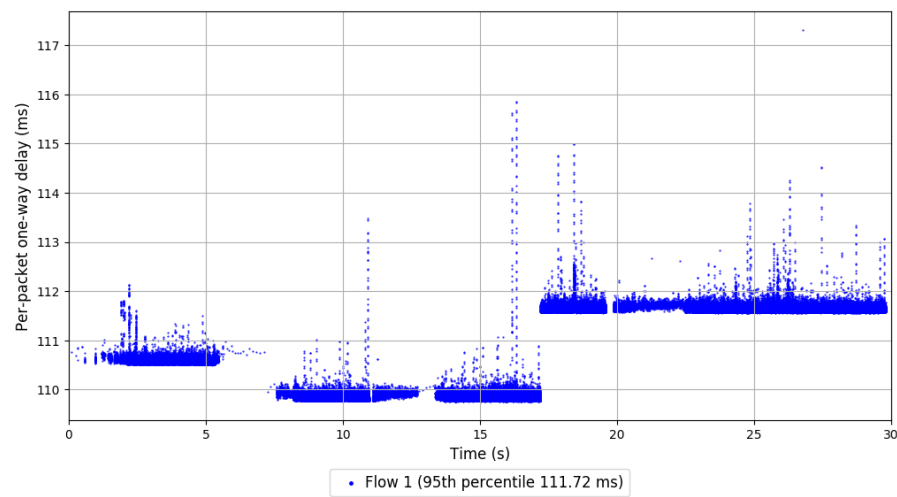
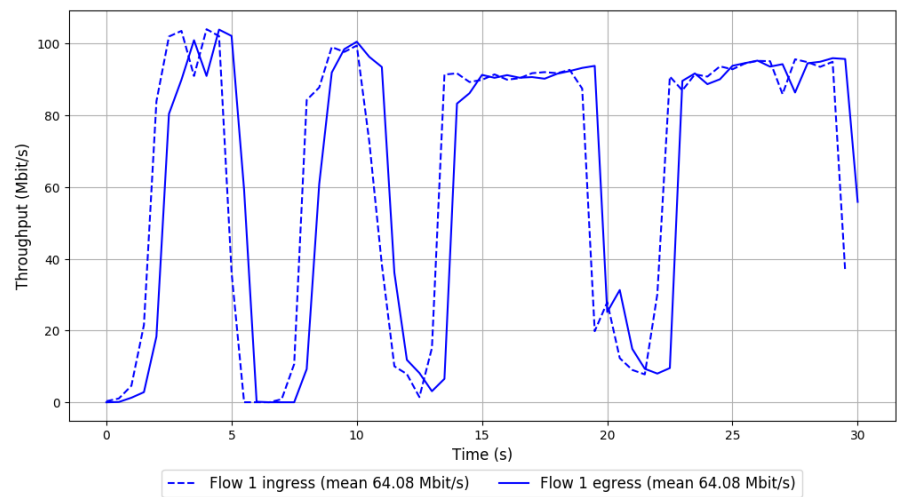
-- Flow 1:

Average throughput: 64.08 Mbit/s

95th percentile per-packet one-way delay: 111.725 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 00:18:27

End at: 2018-07-18 00:18:57

Local clock offset: 2.169 ms

Remote clock offset: 1.56 ms

Below is generated by plot.py at 2018-07-18 02:29:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.32 Mbit/s

95th percentile per-packet one-way delay: 110.393 ms

Loss rate: 0.00%

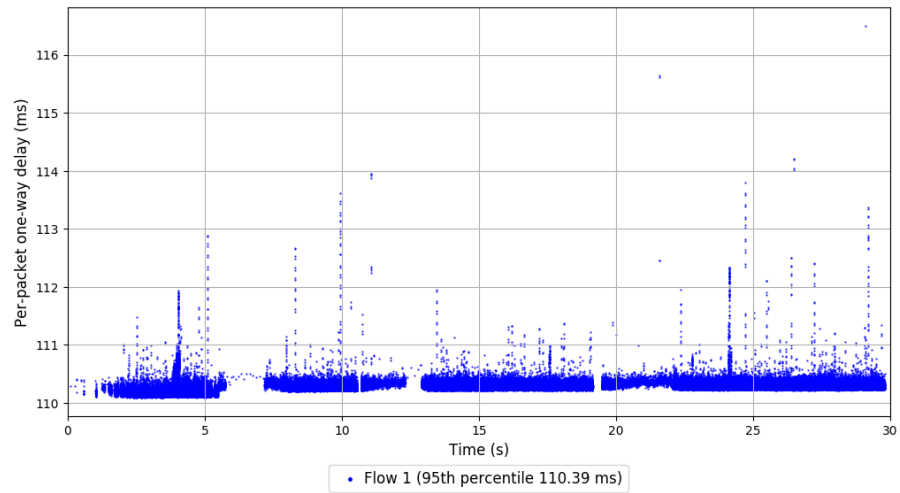
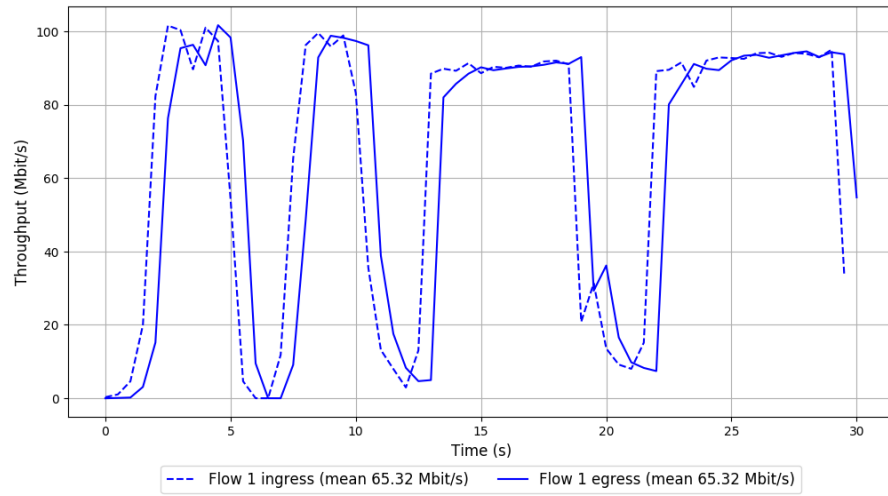
-- Flow 1:

Average throughput: 65.32 Mbit/s

95th percentile per-packet one-way delay: 110.393 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 00:40:42

End at: 2018-07-18 00:41:12

Local clock offset: -0.423 ms

Remote clock offset: 0.783 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 110.810 ms

Loss rate: 0.00%

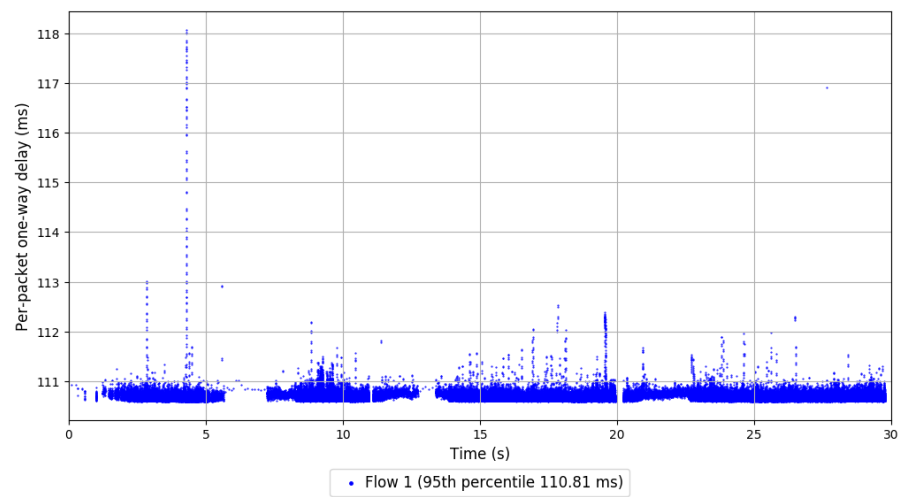
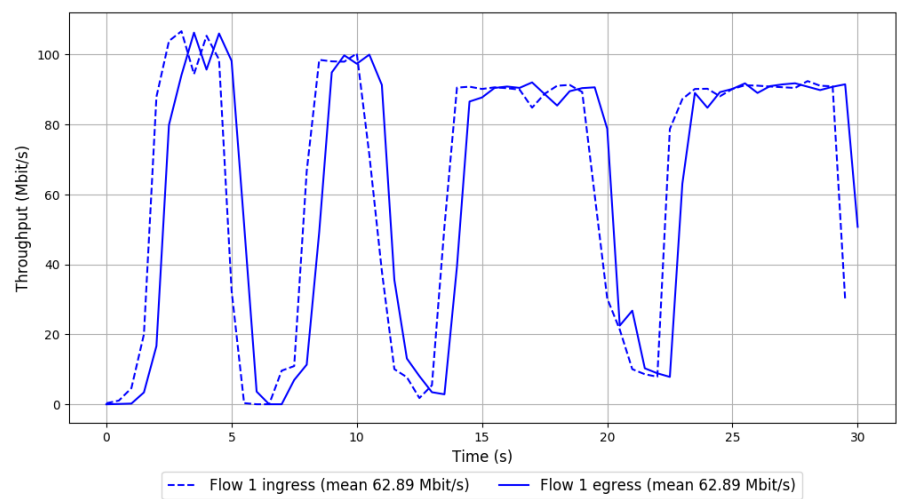
-- Flow 1:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 110.810 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-18 01:03:12

End at: 2018-07-18 01:03:42

Local clock offset: 0.099 ms

Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 110.981 ms

Loss rate: 0.00%

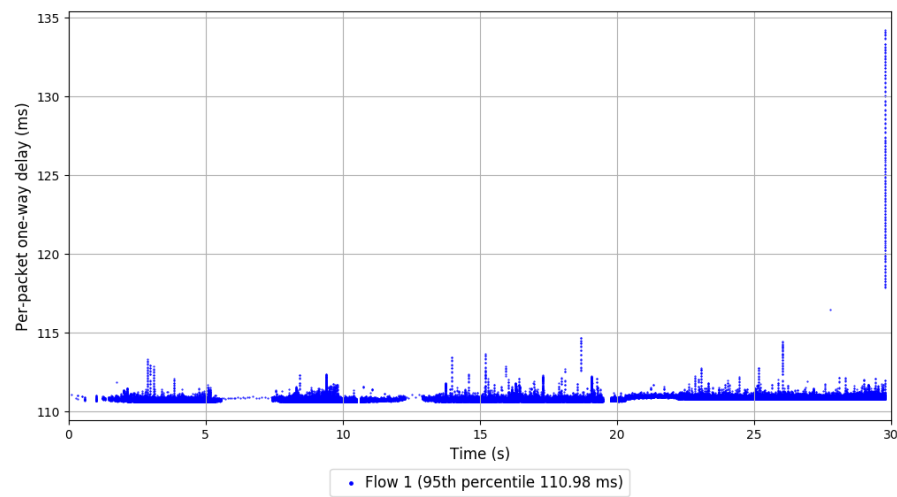
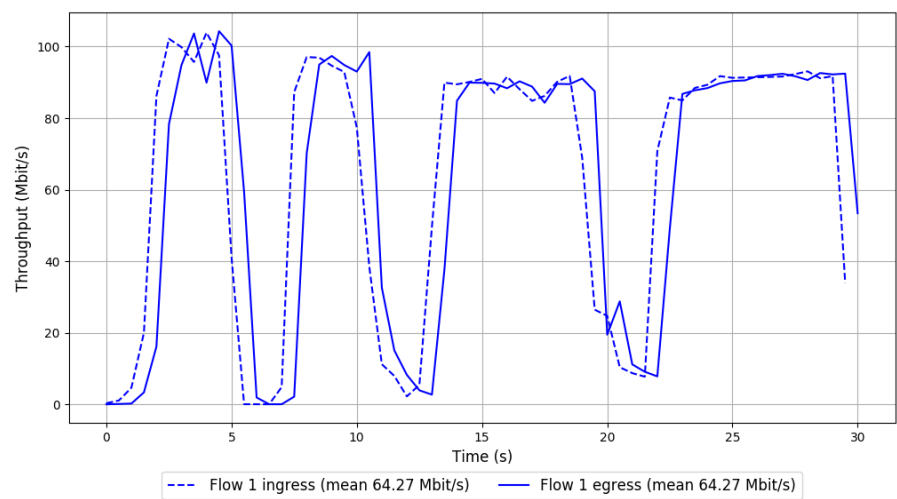
-- Flow 1:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 110.981 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

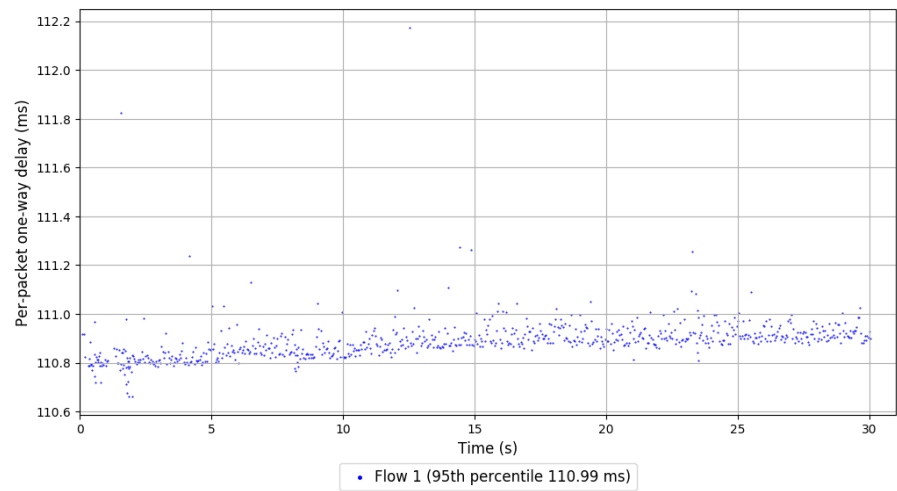
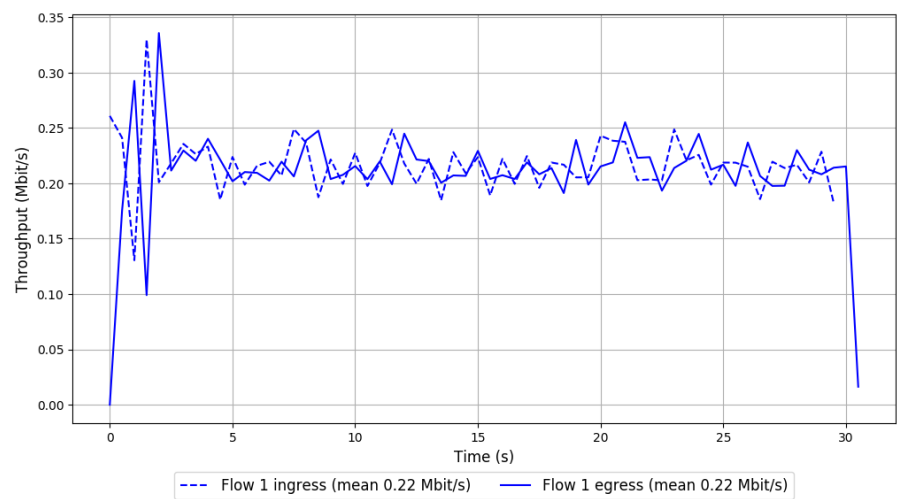


```
Run 1: Statistics of SCReAM

Start at: 2018-07-17 21:31:46
End at: 2018-07-17 21:32:16
Local clock offset: 15.799 ms
Remote clock offset: 14.938 ms

# Below is generated by plot.py at 2018-07-18 02:29:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.992 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

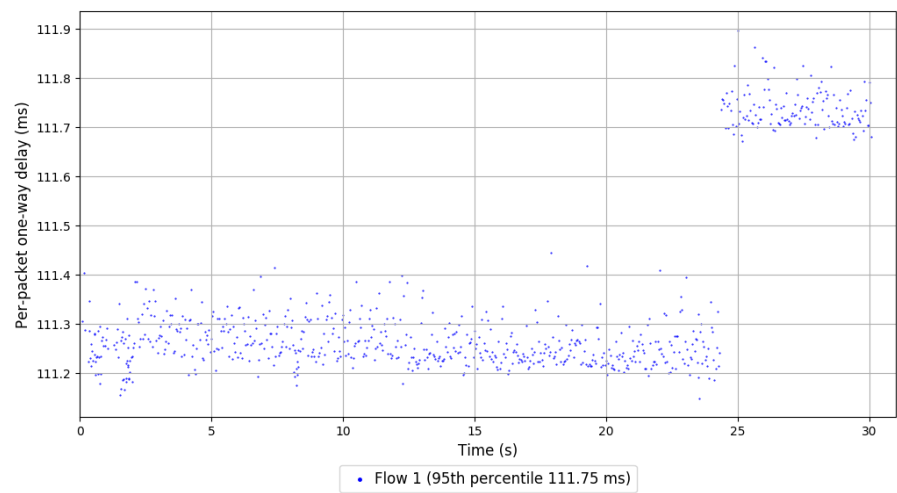
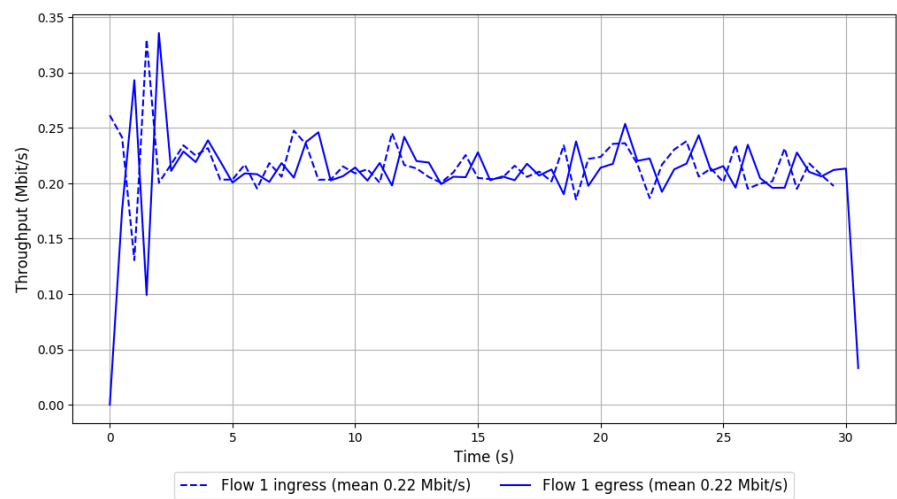


Run 2: Statistics of SCReAM

Start at: 2018-07-17 21:53:58
End at: 2018-07-17 21:54:28
Local clock offset: 21.282 ms
Remote clock offset: 19.267 ms

Below is generated by plot.py at 2018-07-18 02:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.755 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

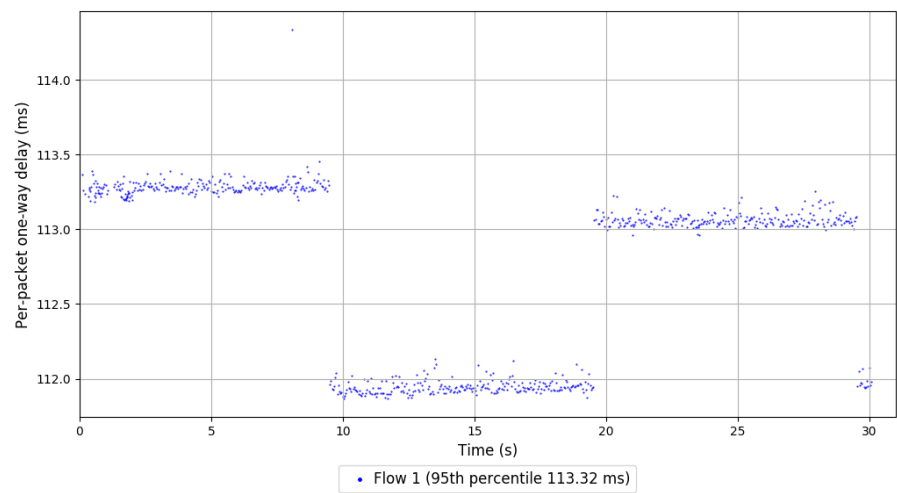
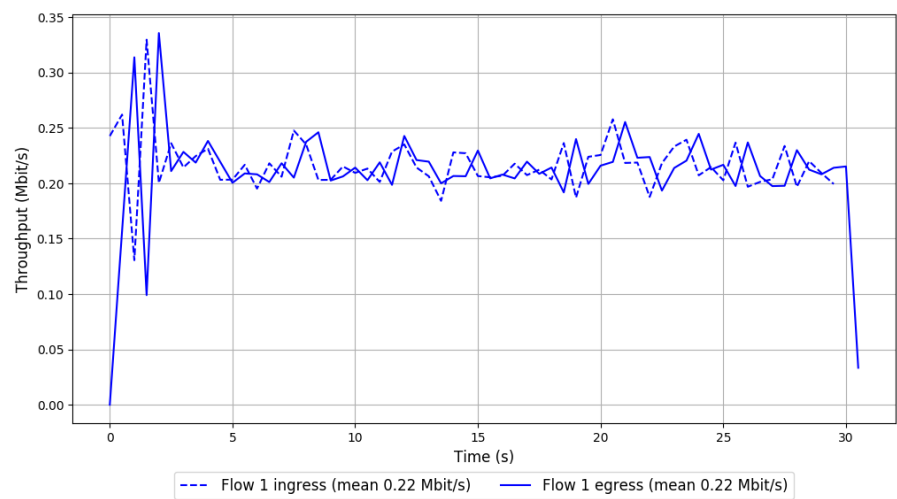


Run 3: Statistics of SCReAM

Start at: 2018-07-17 22:16:23
End at: 2018-07-17 22:16:53
Local clock offset: 30.372 ms
Remote clock offset: 29.146 ms

Below is generated by plot.py at 2018-07-18 02:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.316 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

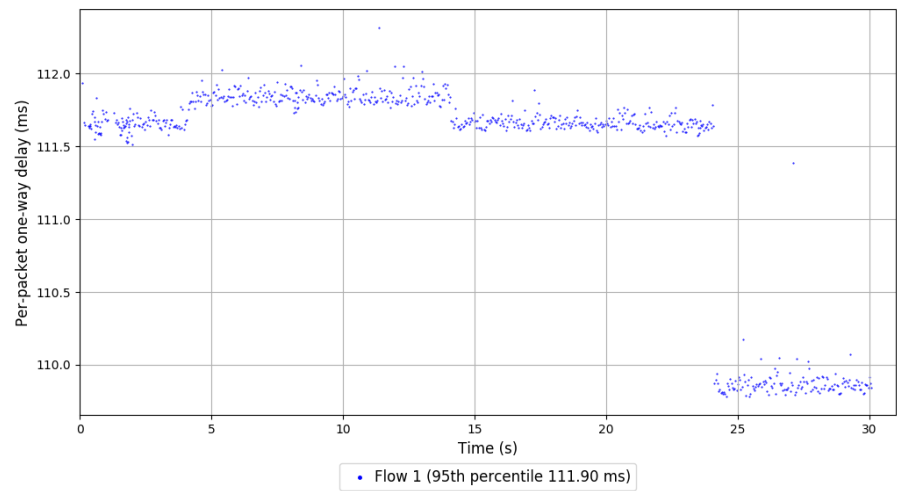
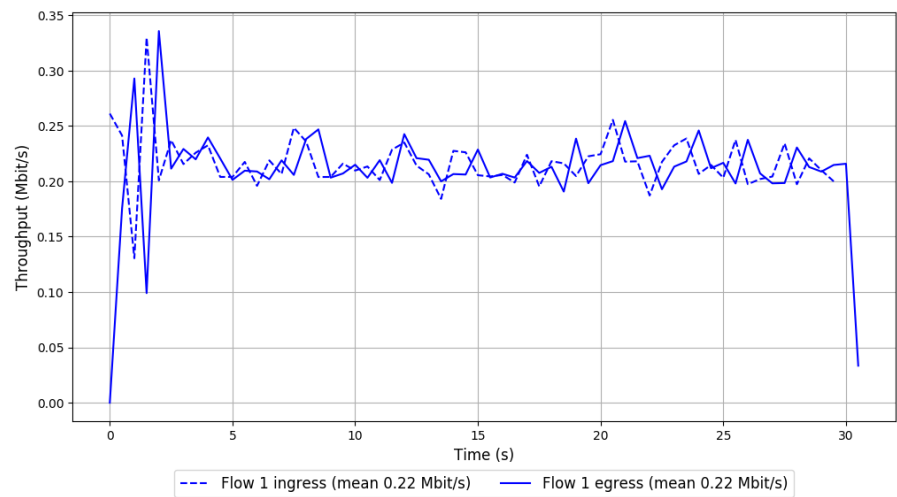


Run 4: Statistics of SCReAM

Start at: 2018-07-17 22:38:58
End at: 2018-07-17 22:39:28
Local clock offset: 15.186 ms
Remote clock offset: 14.042 ms

Below is generated by plot.py at 2018-07-18 02:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.900 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

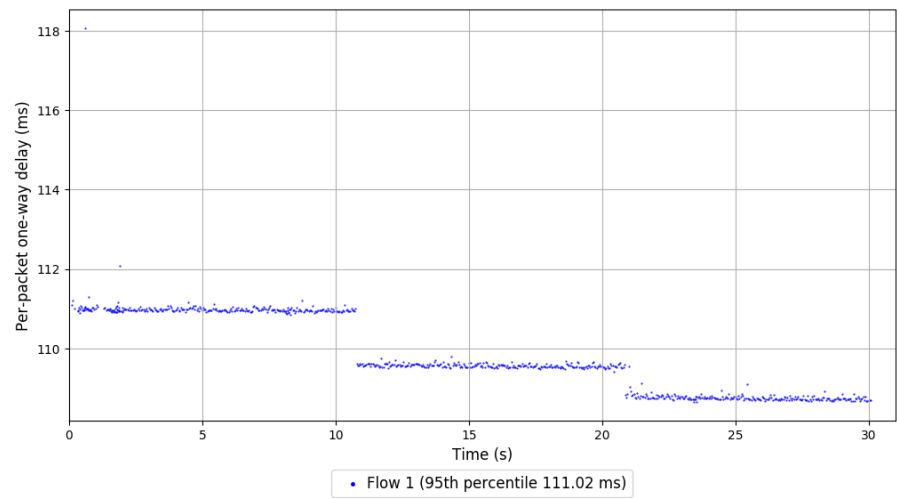
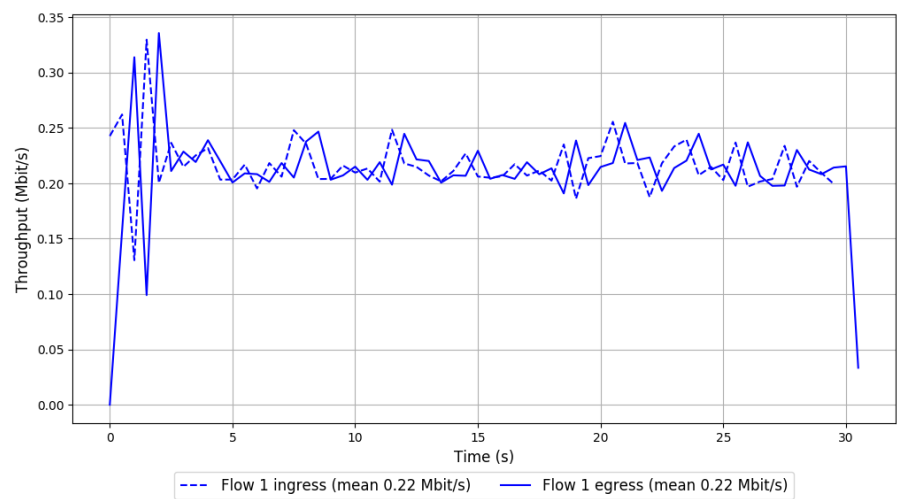


Run 5: Statistics of SCReAM

Start at: 2018-07-17 23:01:30
End at: 2018-07-17 23:02:00
Local clock offset: 14.098 ms
Remote clock offset: 12.615 ms

Below is generated by plot.py at 2018-07-18 02:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.021 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-17 23:23:55

End at: 2018-07-17 23:24:25

Local clock offset: 2.852 ms

Remote clock offset: 7.716 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.286 ms

Loss rate: 0.00%

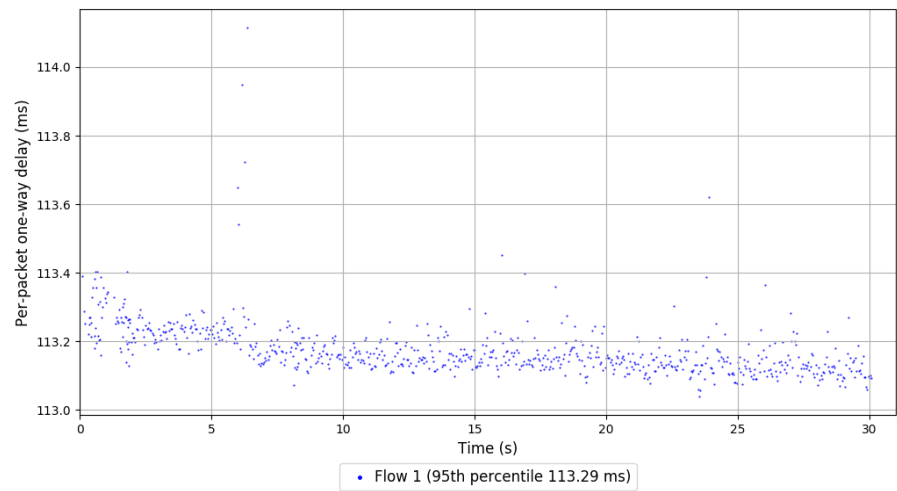
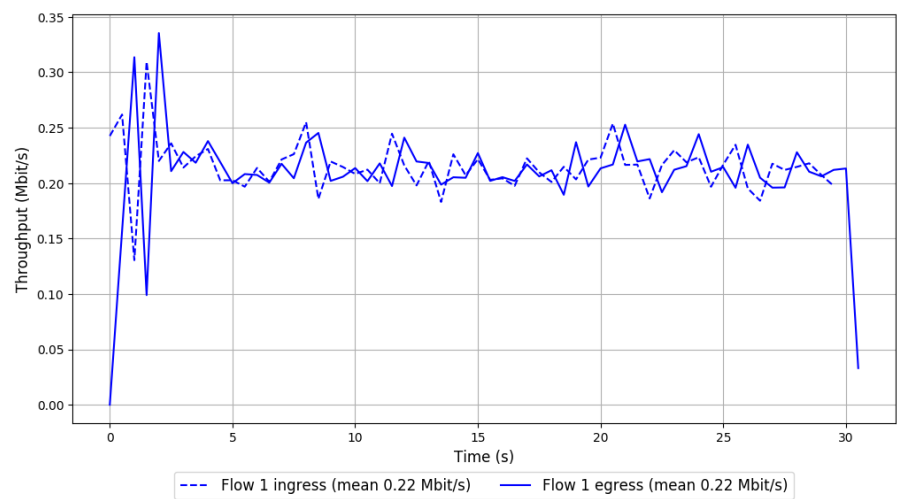
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.286 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-17 23:46:10

End at: 2018-07-17 23:46:40

Local clock offset: 1.482 ms

Remote clock offset: 3.633 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.322 ms

Loss rate: 0.00%

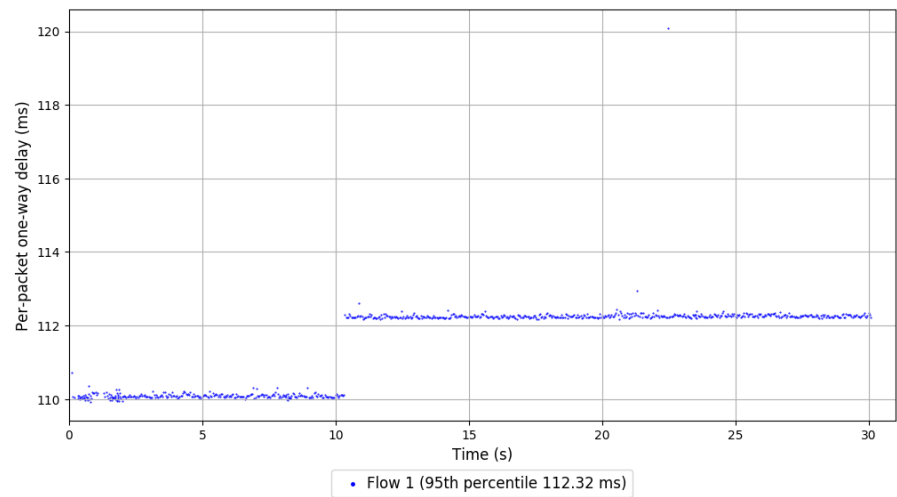
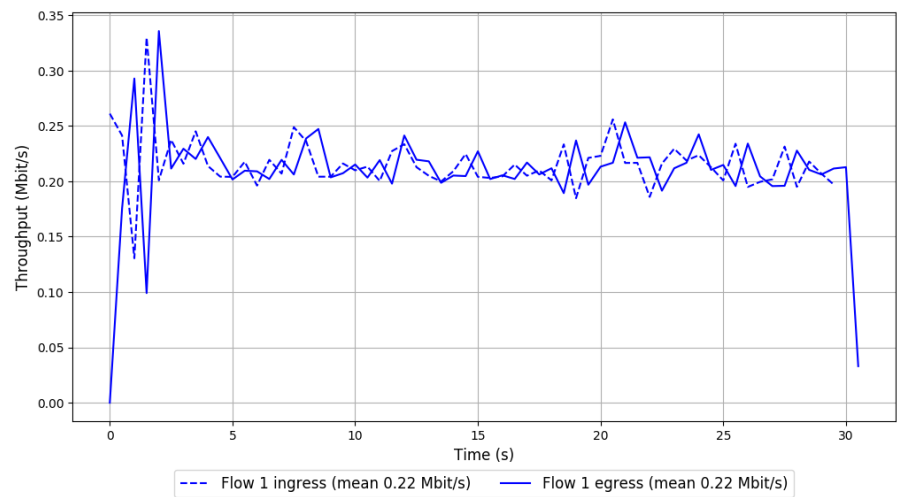
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.322 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-18 00:08:35

End at: 2018-07-18 00:09:05

Local clock offset: 1.401 ms

Remote clock offset: 3.161 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.835 ms

Loss rate: 0.00%

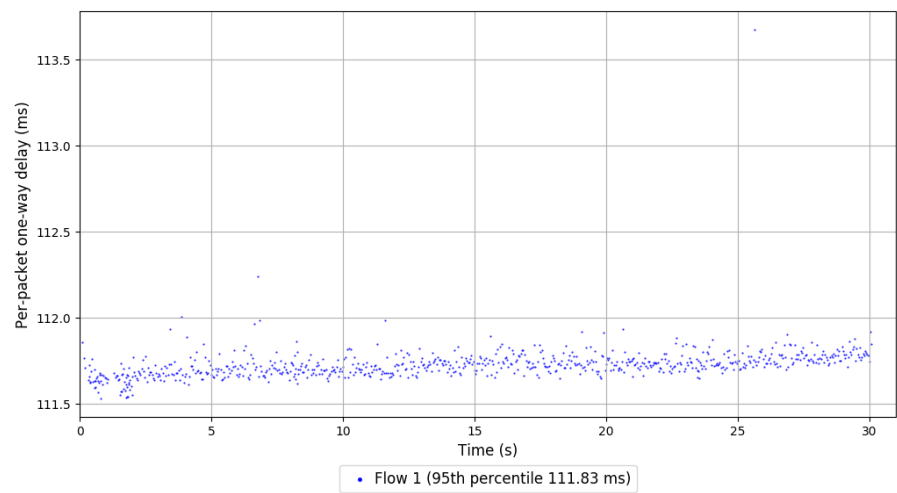
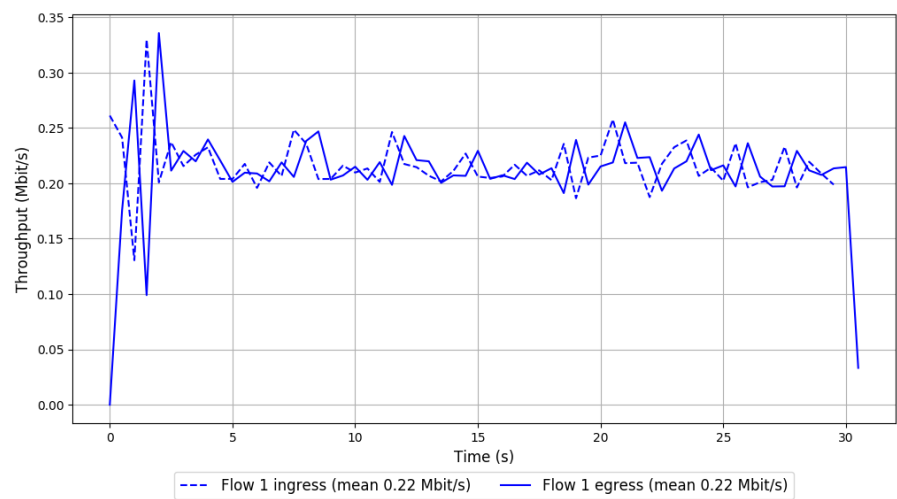
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.835 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-18 00:31:04

End at: 2018-07-18 00:31:34

Local clock offset: 0.633 ms

Remote clock offset: 0.391 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.147 ms

Loss rate: 0.00%

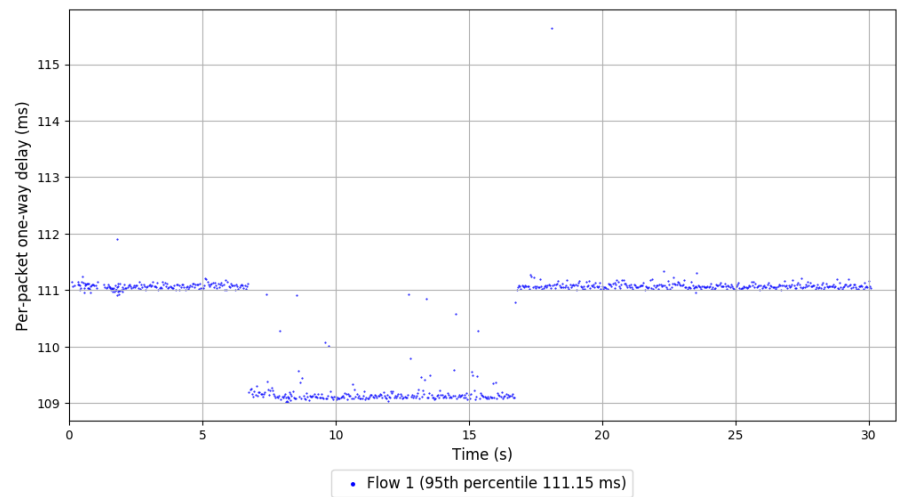
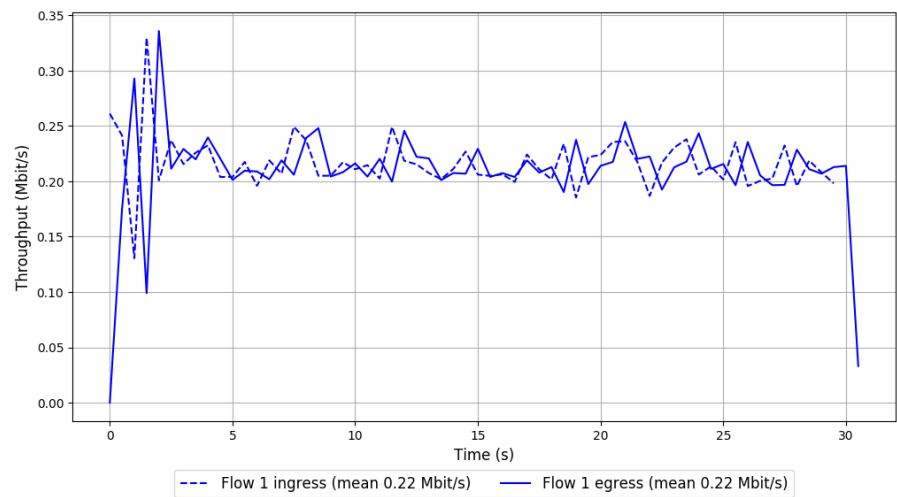
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.147 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

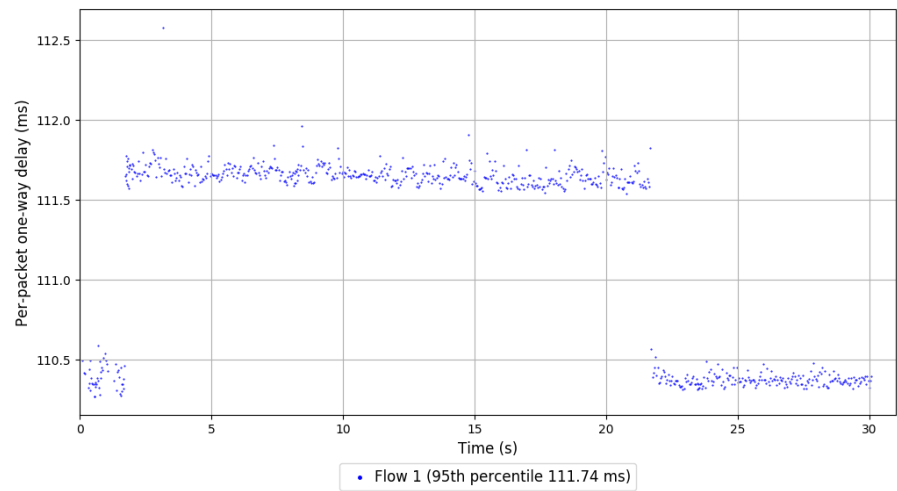
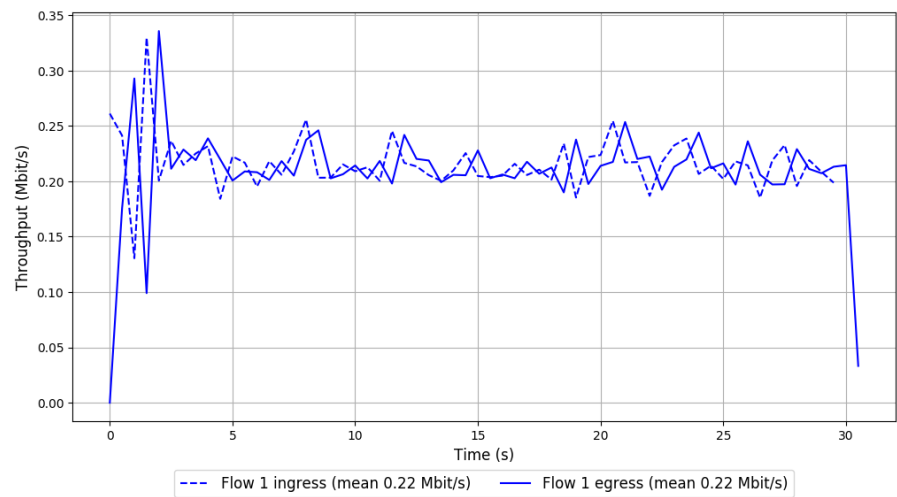


```
Run 10: Statistics of SCReAM

Start at: 2018-07-18 00:53:21
End at: 2018-07-18 00:53:51
Local clock offset: 0.171 ms
Remote clock offset: 0.176 ms

# Below is generated by plot.py at 2018-07-18 02:29:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.743 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link

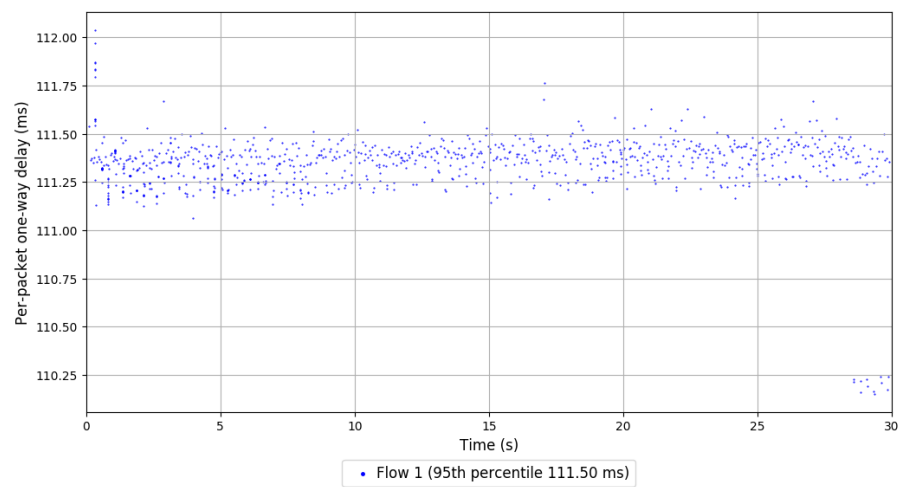
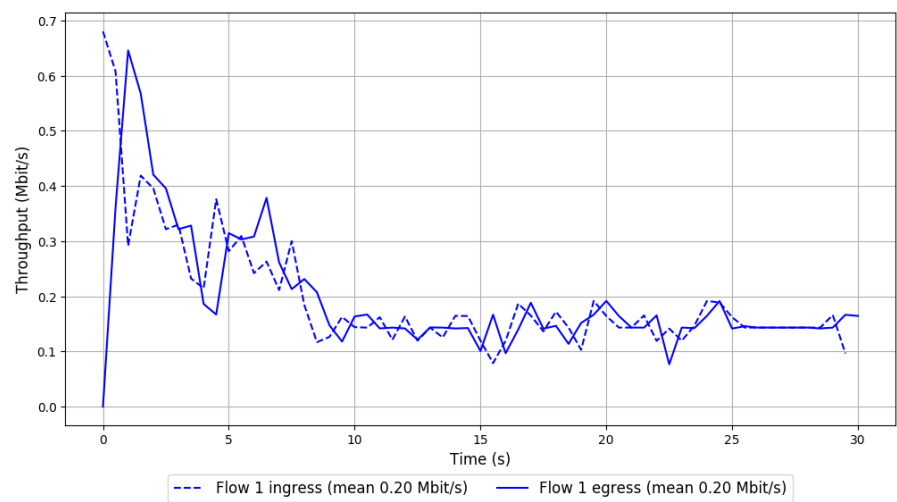


Run 1: Statistics of Sprout

Start at: 2018-07-17 21:45:04
End at: 2018-07-17 21:45:34
Local clock offset: 20.177 ms
Remote clock offset: 18.201 ms

Below is generated by plot.py at 2018-07-18 02:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.498 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

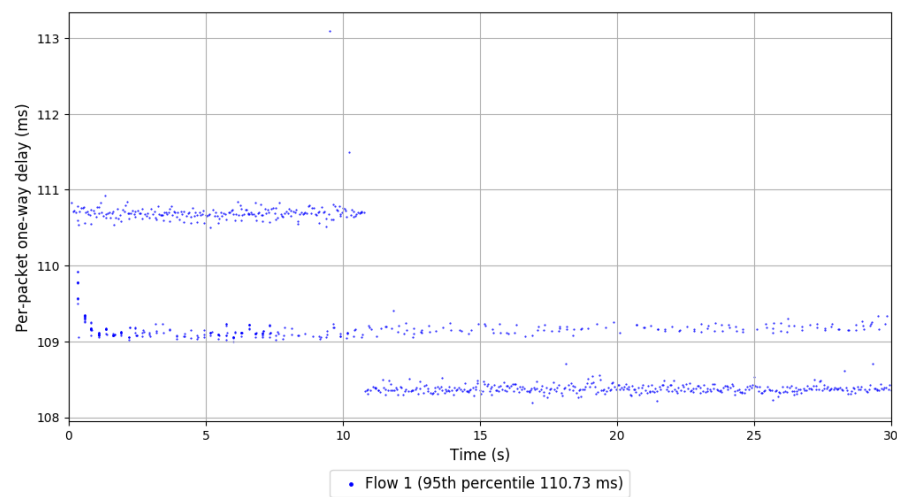
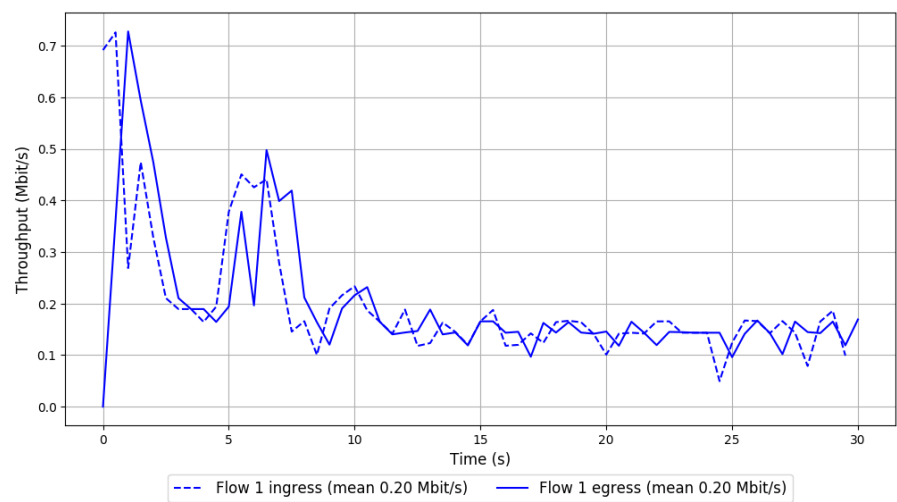


Run 2: Statistics of Sprout

Start at: 2018-07-17 22:07:12
End at: 2018-07-17 22:07:42
Local clock offset: 24.808 ms
Remote clock offset: 21.549 ms

Below is generated by plot.py at 2018-07-18 02:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.734 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

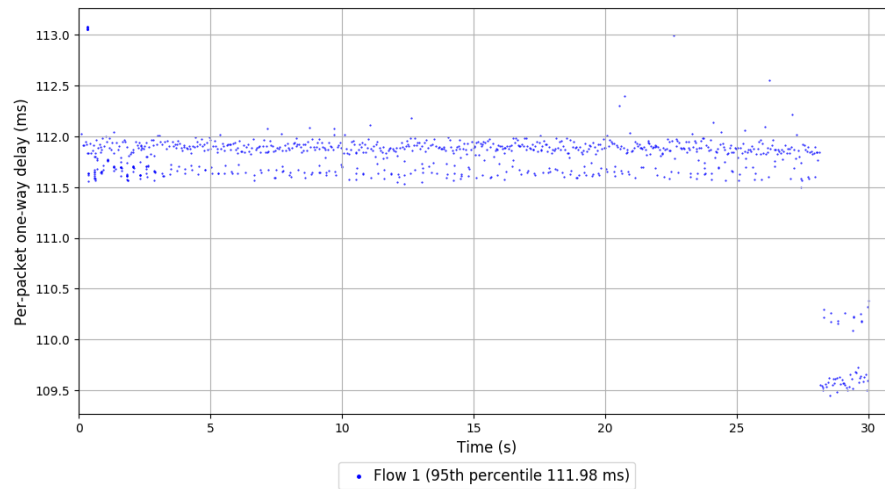
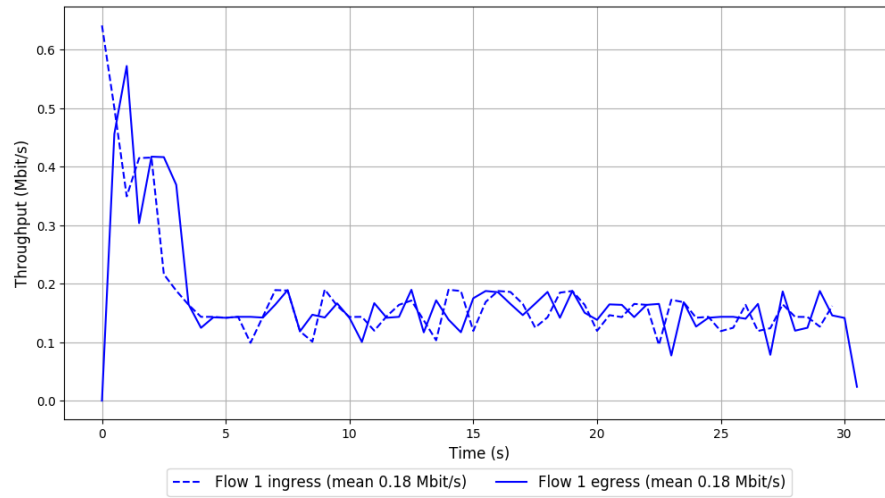


Run 3: Statistics of Sprout

Start at: 2018-07-17 22:29:44
End at: 2018-07-17 22:30:14
Local clock offset: 23.916 ms
Remote clock offset: 21.865 ms

Below is generated by plot.py at 2018-07-18 02:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.984 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

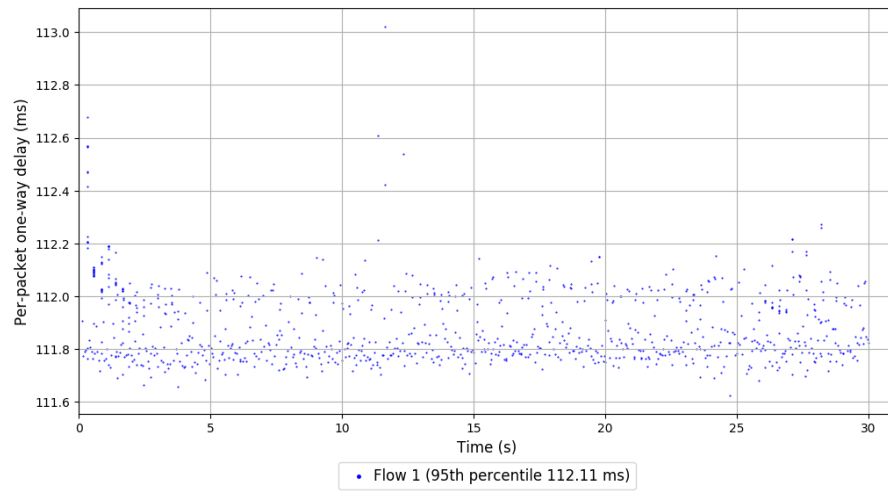
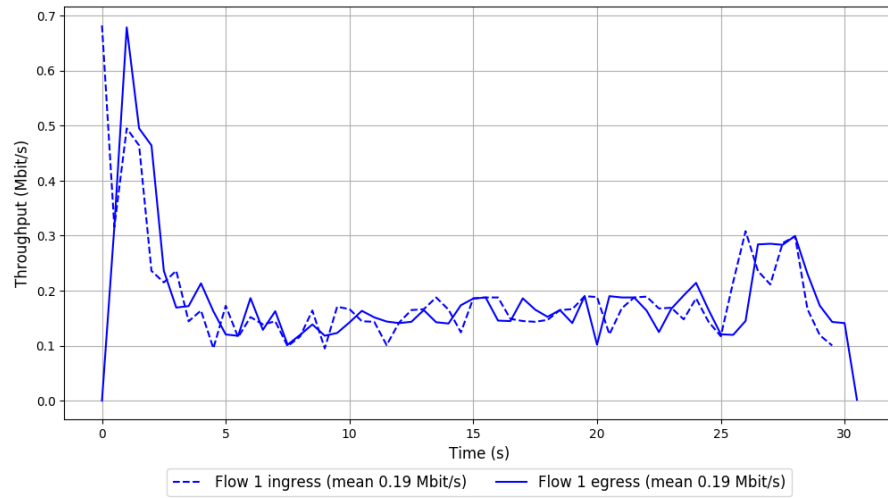


Run 4: Statistics of Sprout

Start at: 2018-07-17 22:52:19
End at: 2018-07-17 22:52:50
Local clock offset: 17.339 ms
Remote clock offset: 16.159 ms

Below is generated by plot.py at 2018-07-18 02:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.106 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.106 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-17 23:15:00

End at: 2018-07-17 23:15:30

Local clock offset: 3.744 ms

Remote clock offset: 6.71 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 112.663 ms

Loss rate: 0.00%

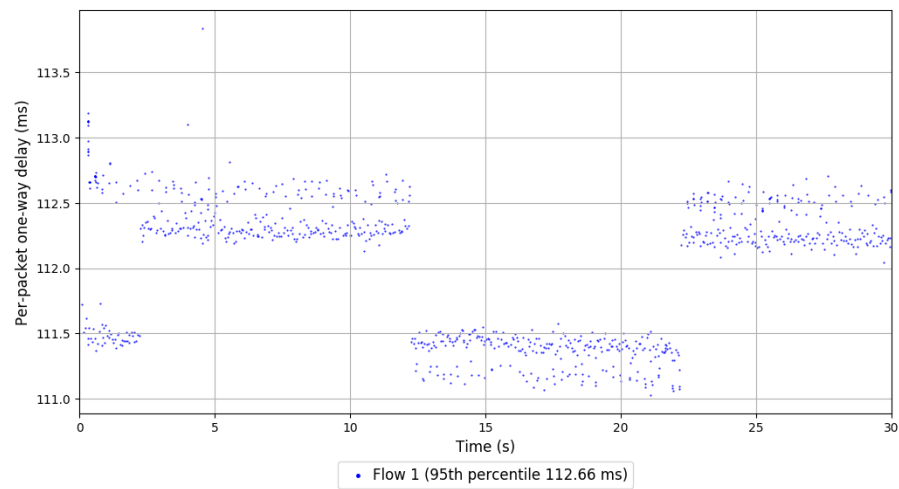
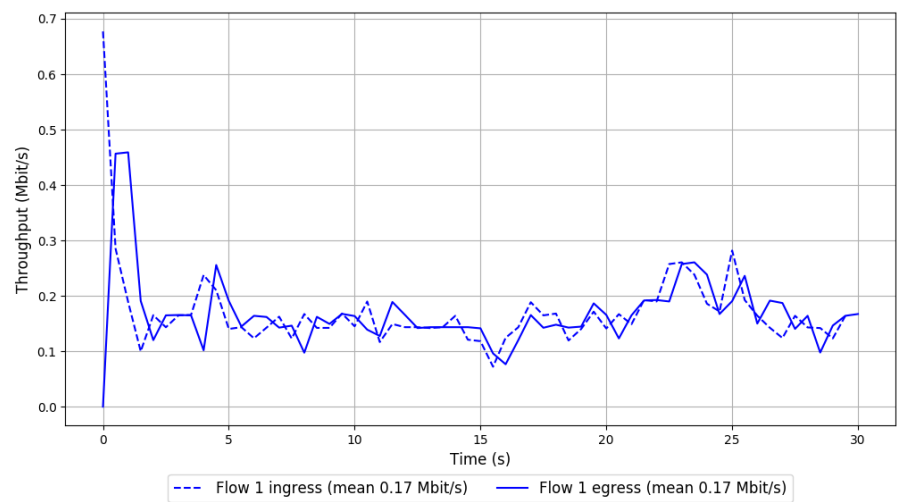
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 112.663 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-17 23:37:13

End at: 2018-07-17 23:37:43

Local clock offset: 2.704 ms

Remote clock offset: 5.466 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 111.476 ms

Loss rate: 0.00%

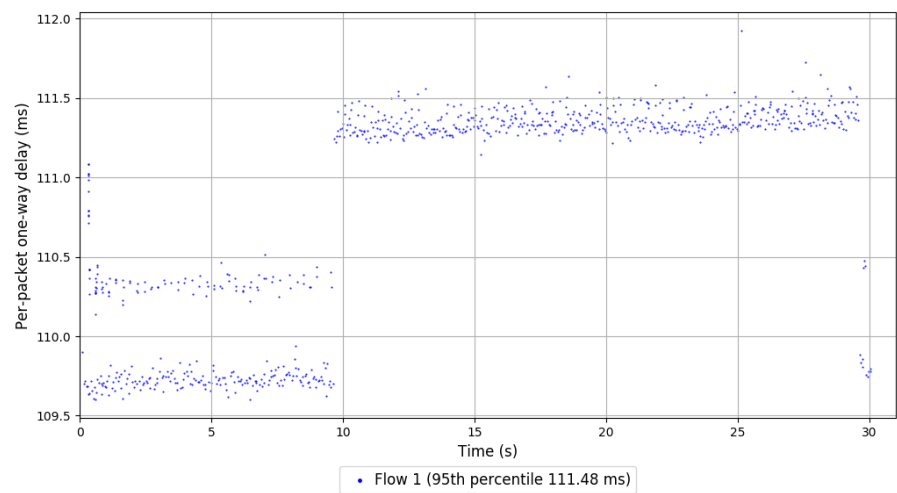
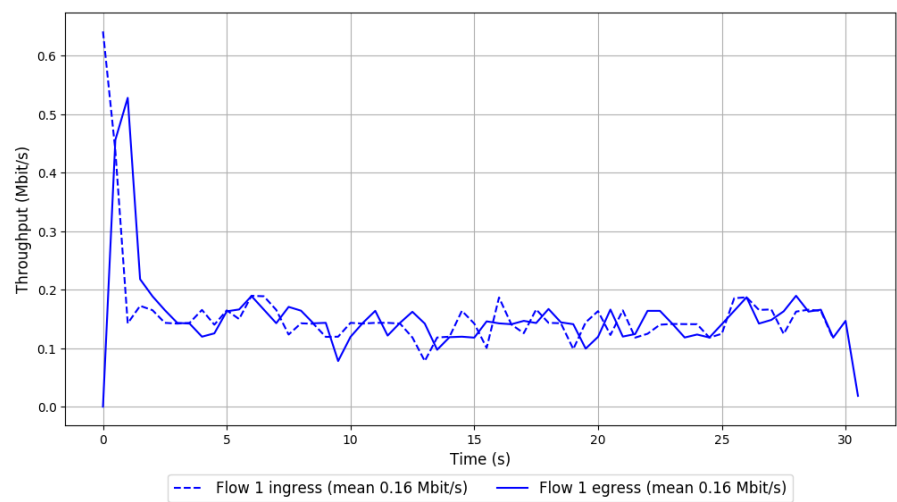
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 111.476 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-17 23:59:38

End at: 2018-07-18 00:00:08

Local clock offset: 1.346 ms

Remote clock offset: 3.945 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 112.026 ms

Loss rate: 0.00%

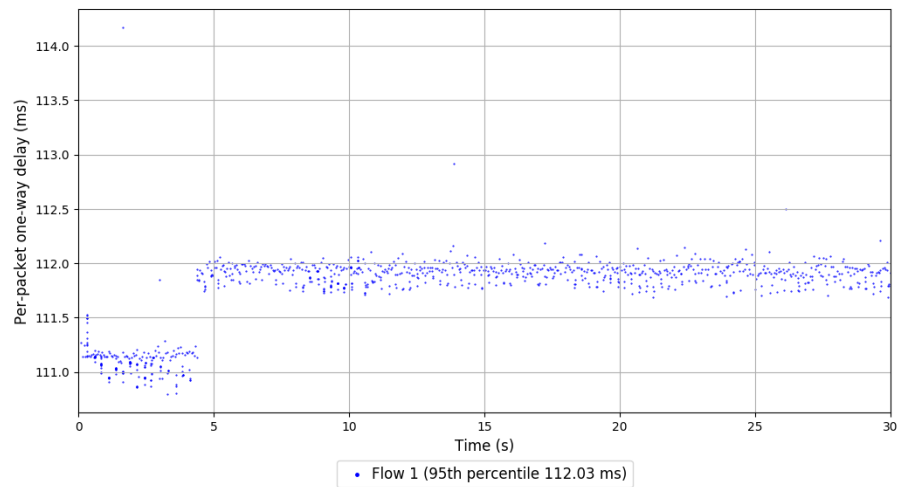
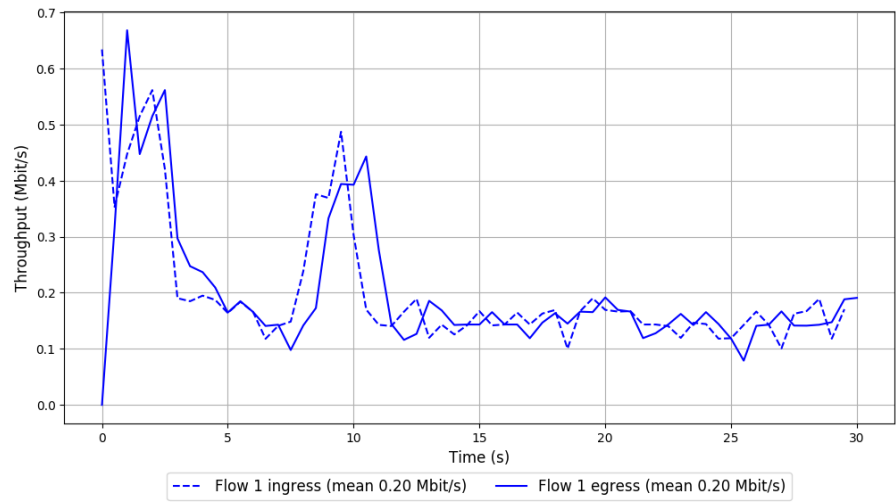
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 112.026 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-18 00:21:57

End at: 2018-07-18 00:22:27

Local clock offset: 0.803 ms

Remote clock offset: 1.304 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.438 ms

Loss rate: 0.00%

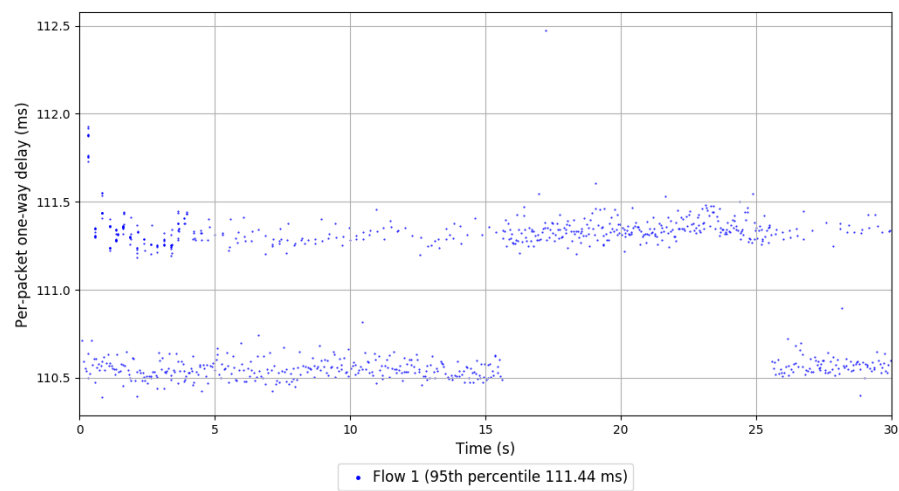
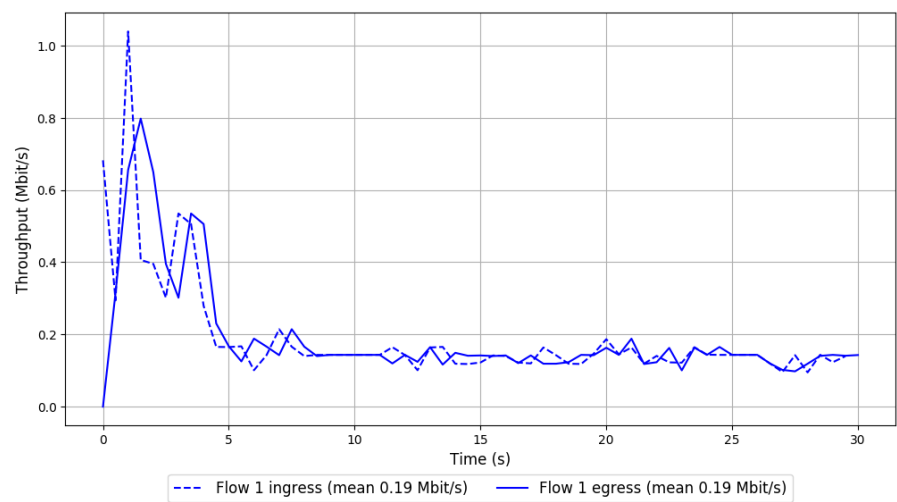
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.438 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-18 00:44:14

End at: 2018-07-18 00:44:44

Local clock offset: 0.785 ms

Remote clock offset: 0.562 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.303 ms

Loss rate: 0.00%

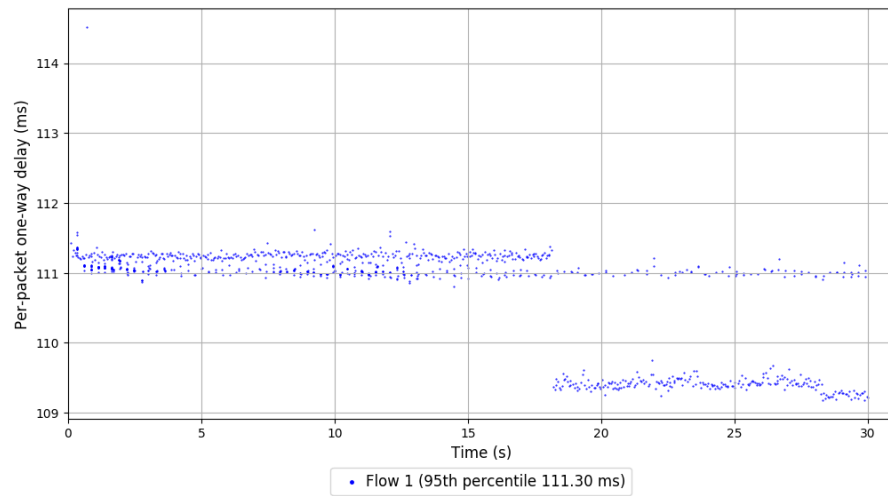
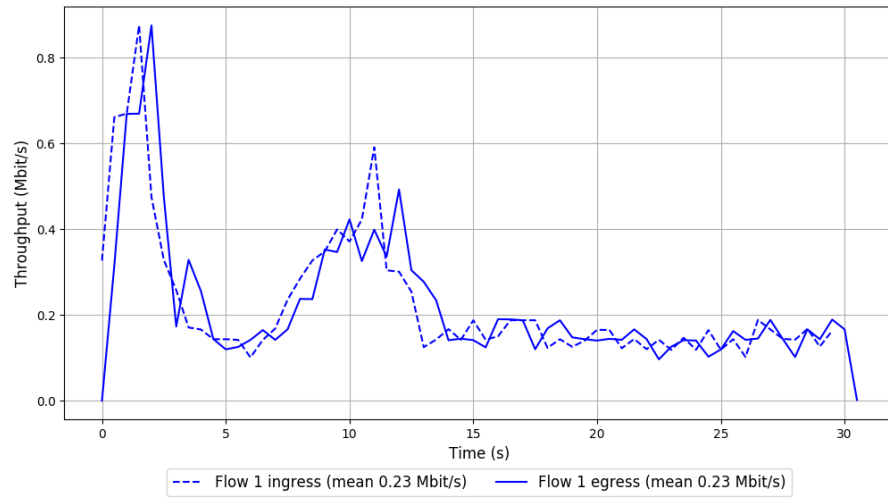
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.303 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-18 01:06:42

End at: 2018-07-18 01:07:12

Local clock offset: 1.571 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-07-18 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 110.094 ms

Loss rate: 0.00%

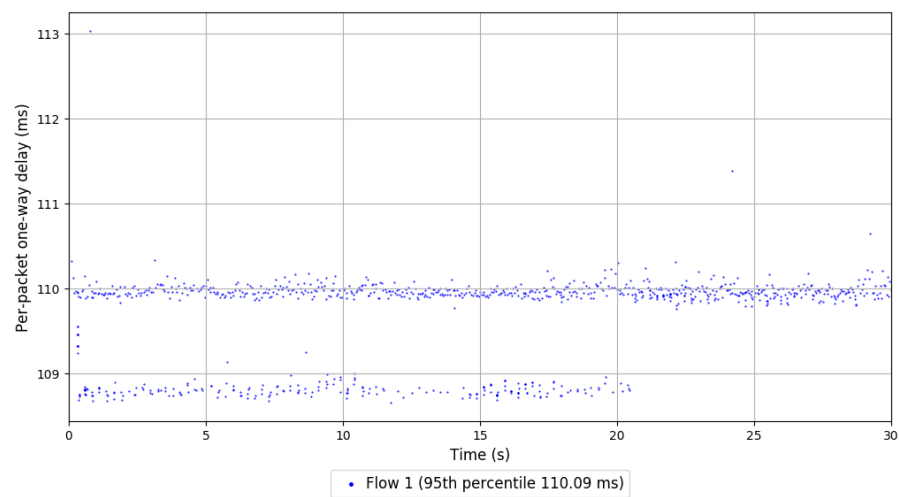
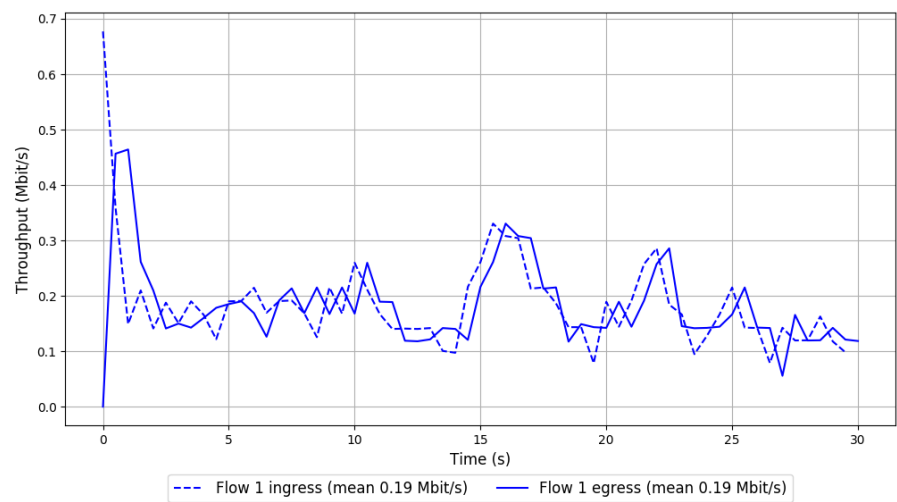
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 110.094 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

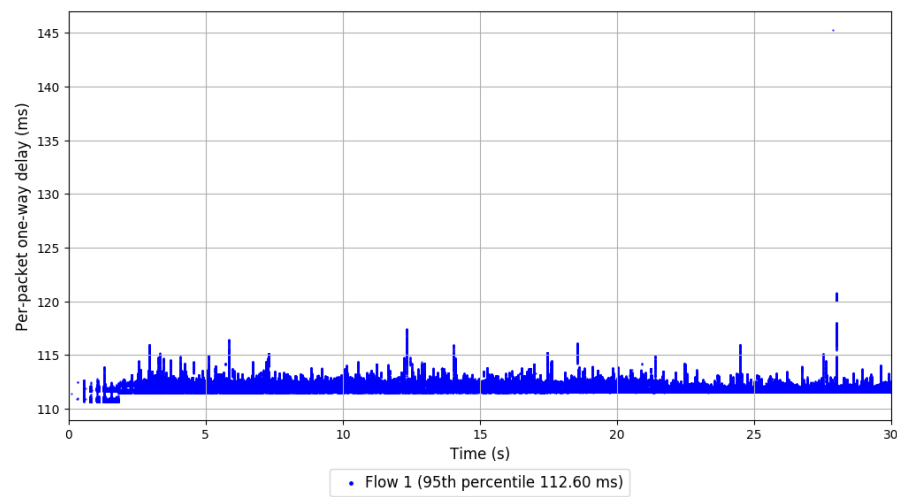
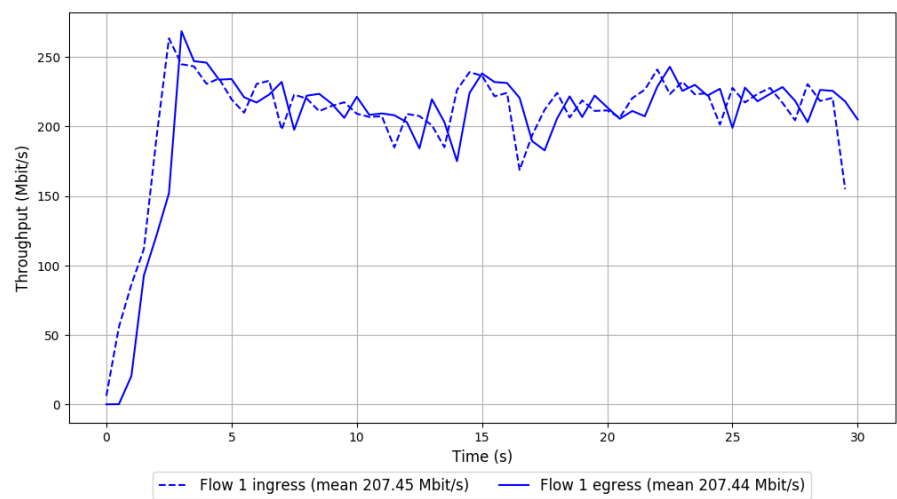


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-17 21:29:01
End at: 2018-07-17 21:29:31
Local clock offset: 10.832 ms
Remote clock offset: 10.596 ms

# Below is generated by plot.py at 2018-07-18 02:33:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.44 Mbit/s
95th percentile per-packet one-way delay: 112.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.44 Mbit/s
95th percentile per-packet one-way delay: 112.601 ms
Loss rate: 0.00%
```

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

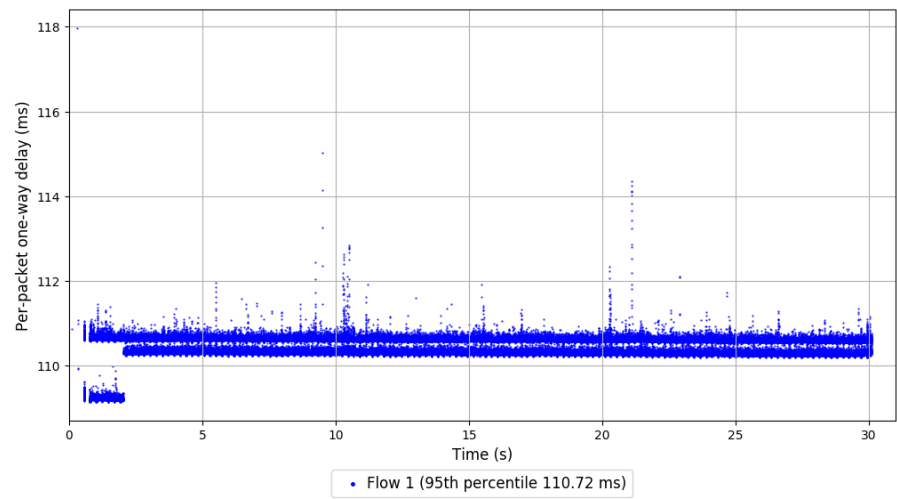
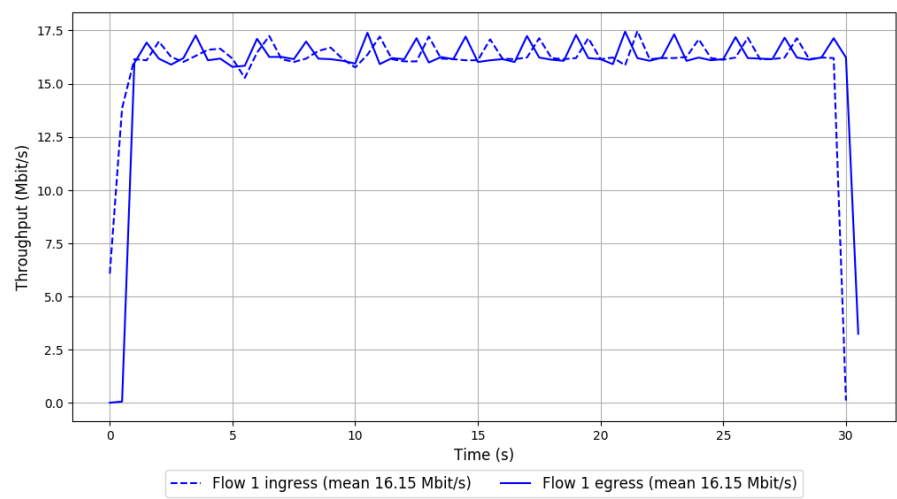


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-07-17 21:51:31
End at: 2018-07-17 21:52:01
Local clock offset: 24.292 ms
Remote clock offset: 21.343 ms

# Below is generated by plot.py at 2018-07-18 02:33:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 110.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 110.725 ms
Loss rate: 0.00%
```

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

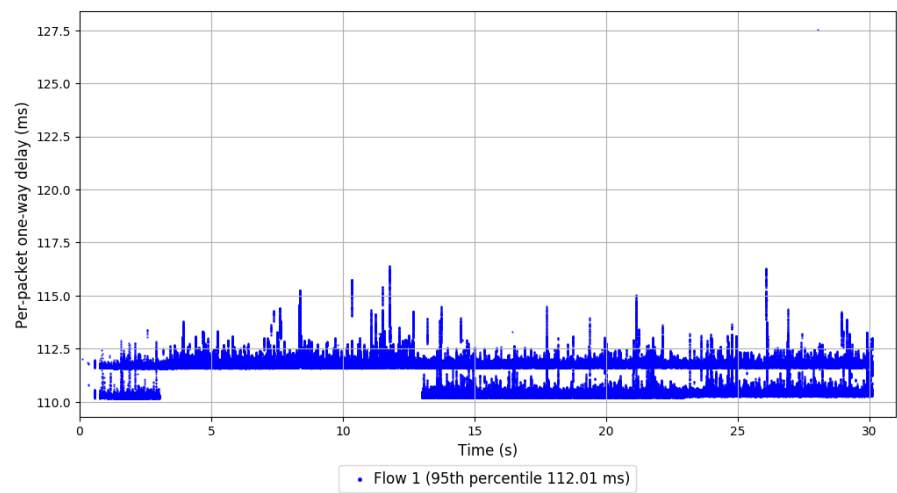
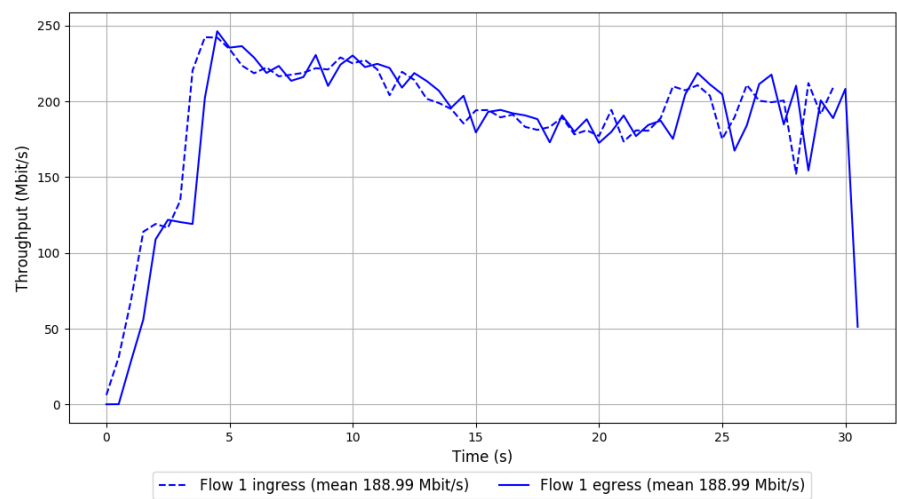


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-17 22:13:40
End at: 2018-07-17 22:14:10
Local clock offset: 29.073 ms
Remote clock offset: 26.664 ms

Below is generated by plot.py at 2018-07-18 02:33:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.99 Mbit/s
95th percentile per-packet one-way delay: 112.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.99 Mbit/s
95th percentile per-packet one-way delay: 112.009 ms
Loss rate: 0.00%

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

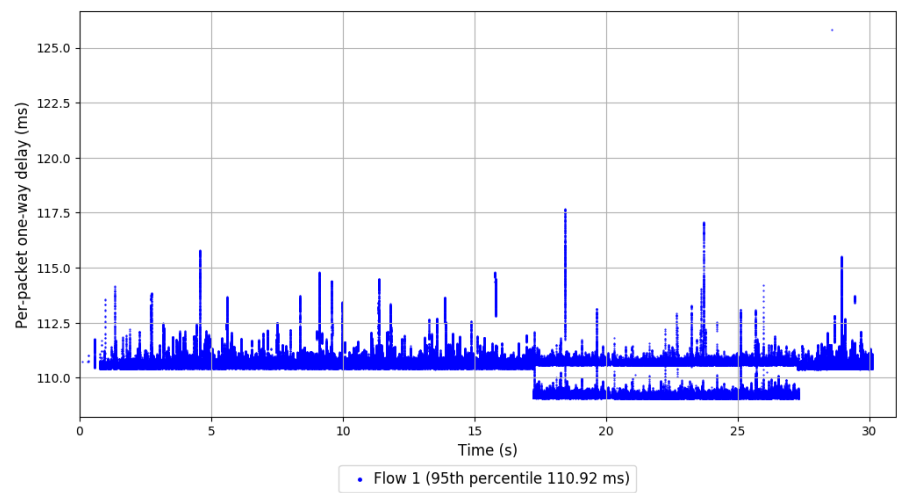
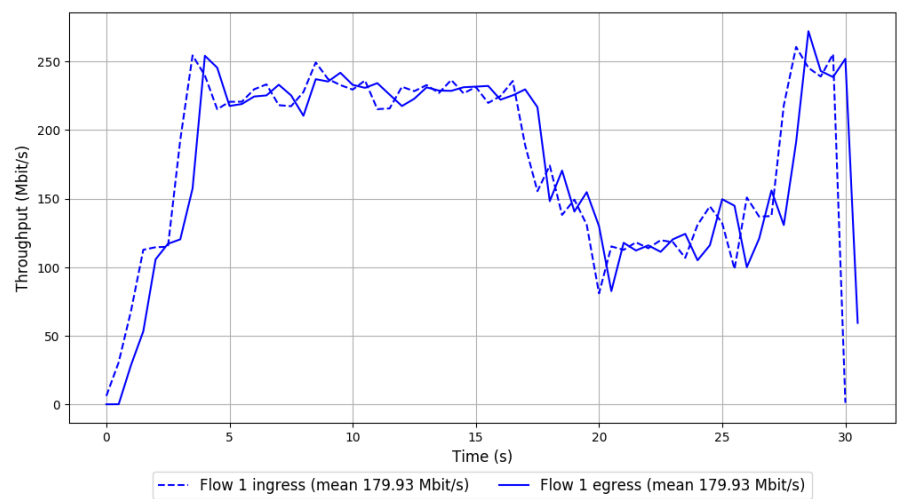


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-17 22:36:15
End at: 2018-07-17 22:36:45
Local clock offset: 16.921 ms
Remote clock offset: 14.603 ms

Below is generated by plot.py at 2018-07-18 02:33:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.93 Mbit/s
95th percentile per-packet one-way delay: 110.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.93 Mbit/s
95th percentile per-packet one-way delay: 110.915 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-17 22:58:52

End at: 2018-07-17 22:59:22

Local clock offset: 20.516 ms

Remote clock offset: 17.058 ms

Below is generated by plot.py at 2018-07-18 02:33:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.96 Mbit/s

95th percentile per-packet one-way delay: 109.817 ms

Loss rate: 0.00%

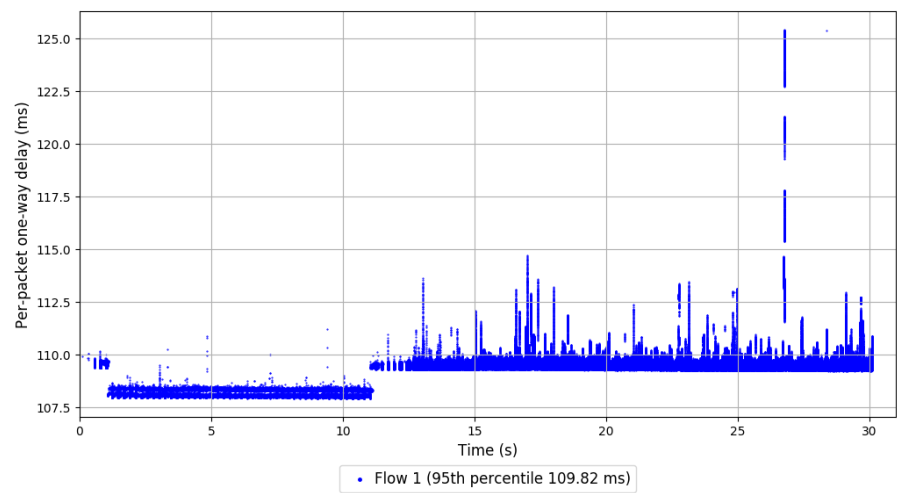
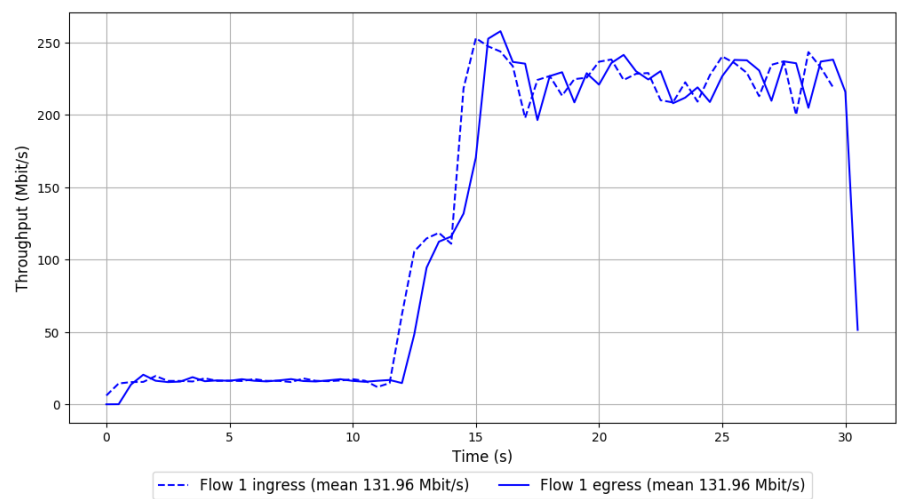
-- Flow 1:

Average throughput: 131.96 Mbit/s

95th percentile per-packet one-way delay: 109.817 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-17 23:21:27

End at: 2018-07-17 23:21:57

Local clock offset: 5.508 ms

Remote clock offset: 7.052 ms

Below is generated by plot.py at 2018-07-18 02:33:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.69 Mbit/s

95th percentile per-packet one-way delay: 110.187 ms

Loss rate: 0.00%

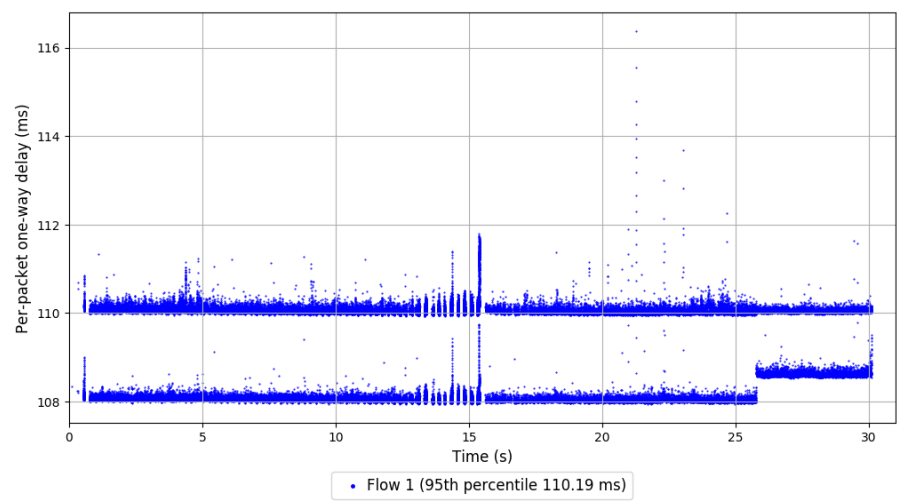
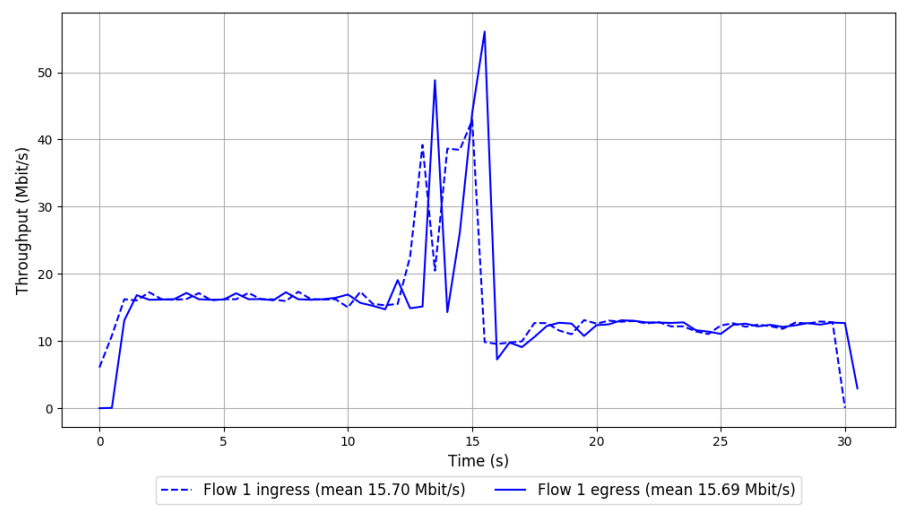
-- Flow 1:

Average throughput: 15.69 Mbit/s

95th percentile per-packet one-way delay: 110.187 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-17 23:43:35

End at: 2018-07-17 23:44:05

Local clock offset: 1.693 ms

Remote clock offset: 3.586 ms

Below is generated by plot.py at 2018-07-18 02:33:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 111.575 ms

Loss rate: 0.00%

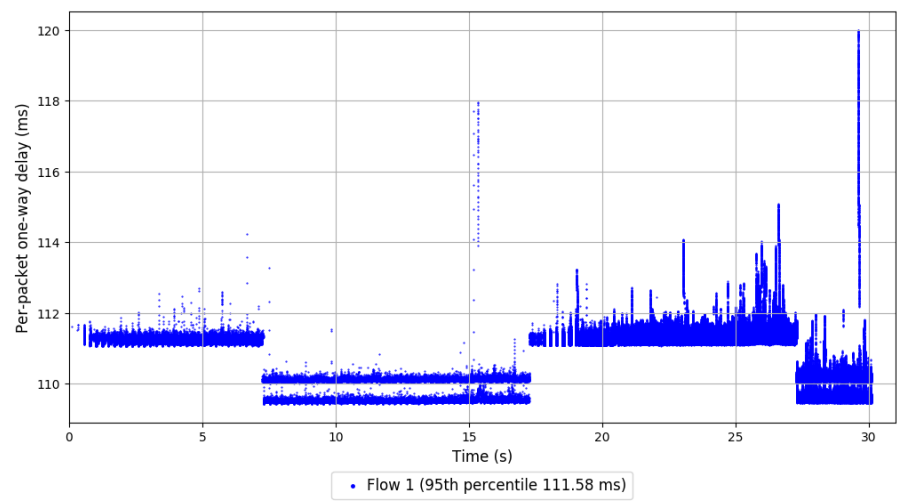
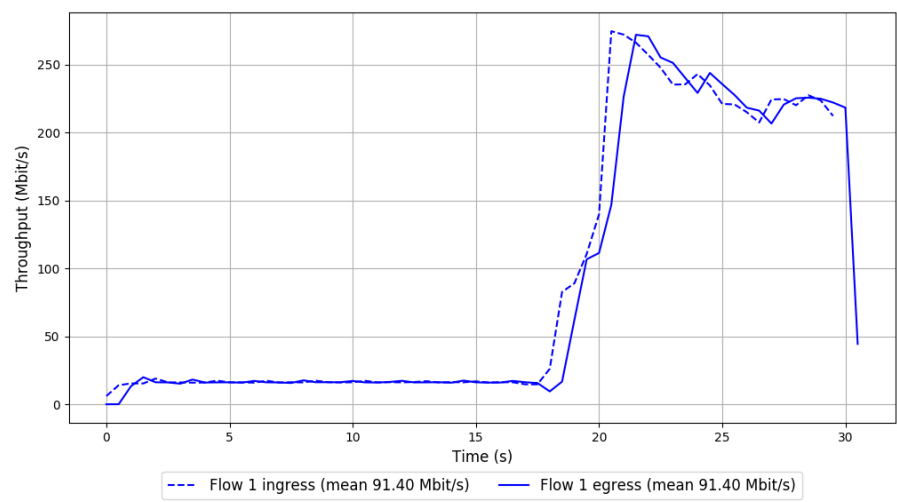
-- Flow 1:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 111.575 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 00:06:07

End at: 2018-07-18 00:06:37

Local clock offset: 1.989 ms

Remote clock offset: 4.399 ms

Below is generated by plot.py at 2018-07-18 02:33:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.07 Mbit/s

95th percentile per-packet one-way delay: 111.739 ms

Loss rate: 0.00%

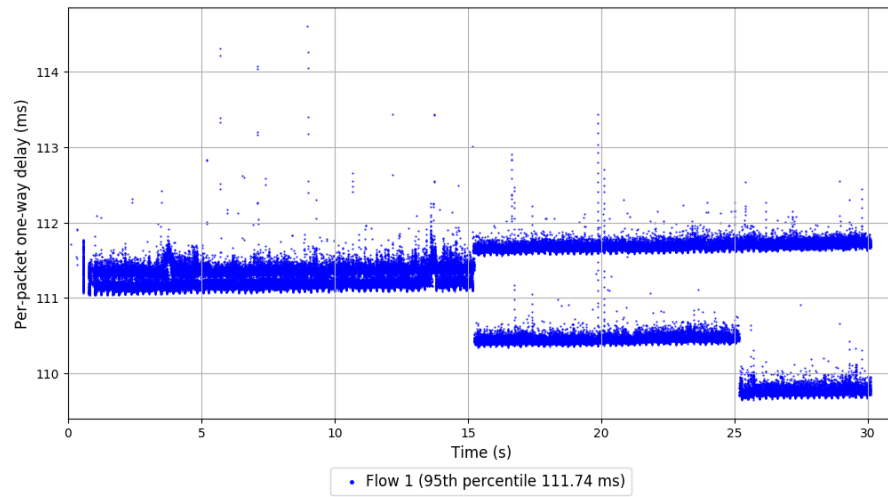
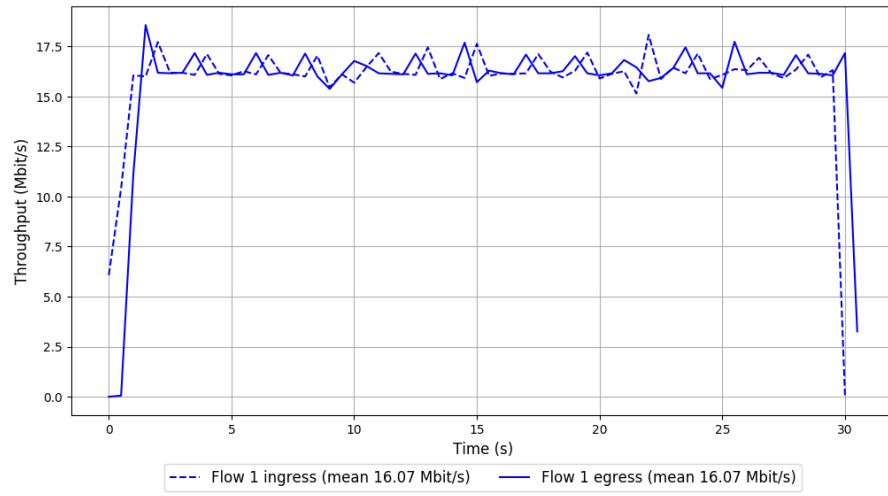
-- Flow 1:

Average throughput: 16.07 Mbit/s

95th percentile per-packet one-way delay: 111.739 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 00:28:14

End at: 2018-07-18 00:28:44

Local clock offset: 0.678 ms

Remote clock offset: 1.133 ms

Below is generated by plot.py at 2018-07-18 02:35:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.18 Mbit/s

95th percentile per-packet one-way delay: 111.902 ms

Loss rate: 0.00%

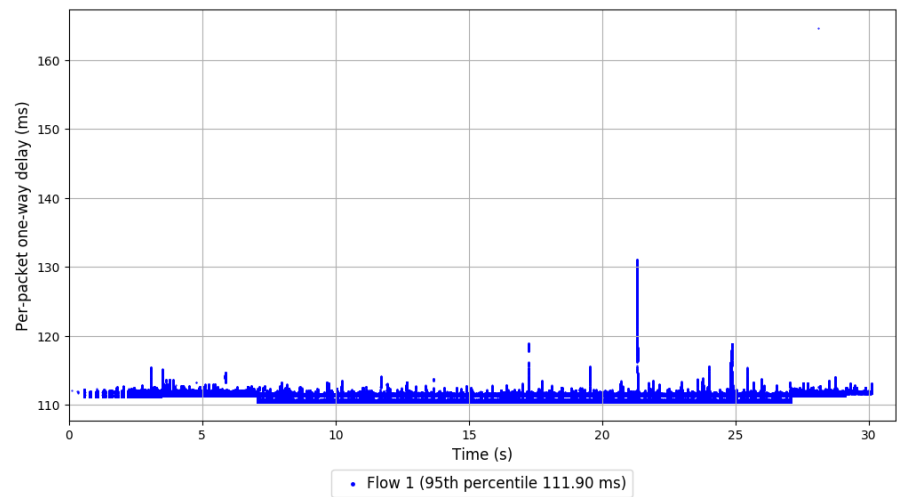
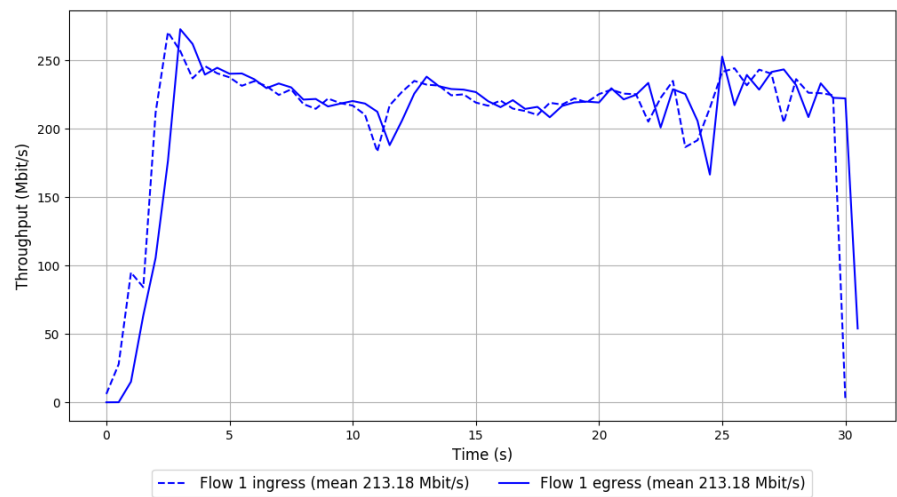
-- Flow 1:

Average throughput: 213.18 Mbit/s

95th percentile per-packet one-way delay: 111.902 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 00:50:39

End at: 2018-07-18 00:51:09

Local clock offset: 0.163 ms

Remote clock offset: 0.606 ms

Below is generated by plot.py at 2018-07-18 02:35:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.60 Mbit/s

95th percentile per-packet one-way delay: 111.770 ms

Loss rate: 0.00%

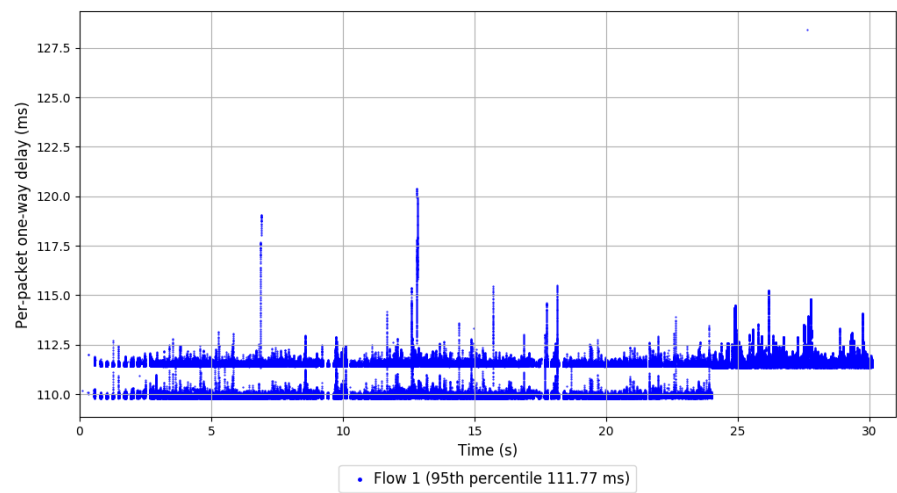
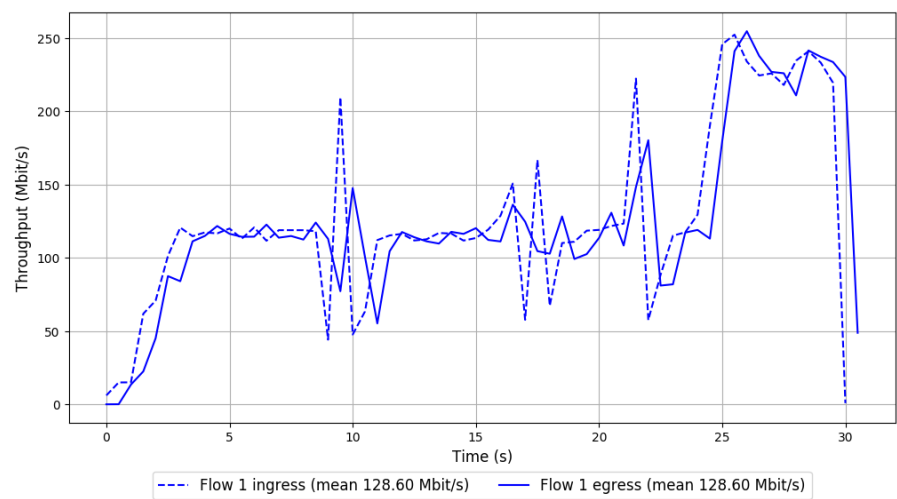
-- Flow 1:

Average throughput: 128.60 Mbit/s

95th percentile per-packet one-way delay: 111.770 ms

Loss rate: 0.00%

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

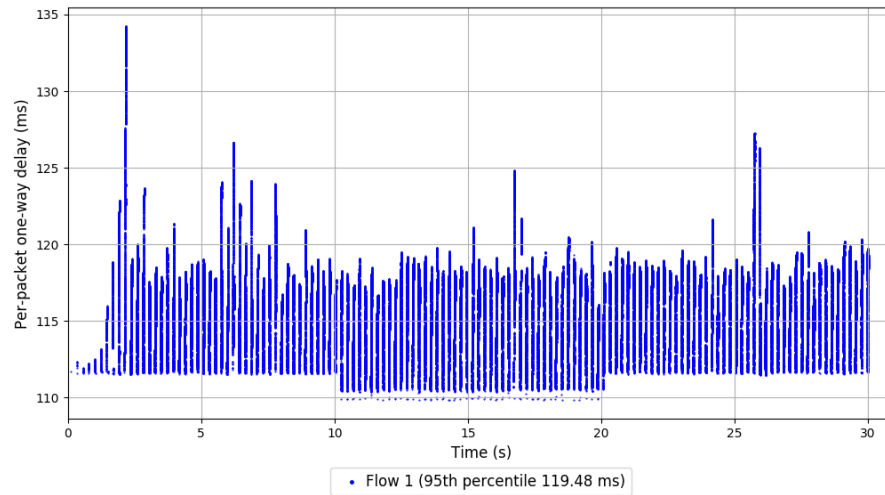
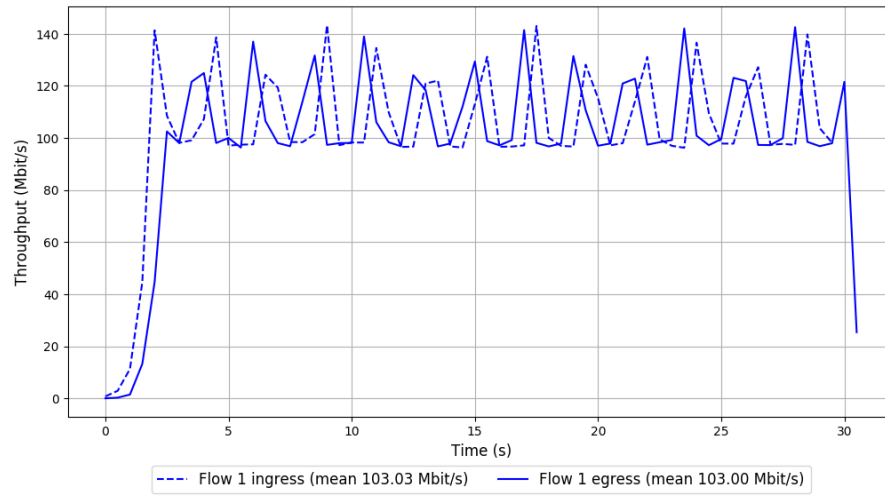


Run 1: Statistics of TCP Vegas

Start at: 2018-07-17 21:42:42
End at: 2018-07-17 21:43:13
Local clock offset: 17.199 ms
Remote clock offset: 15.885 ms

Below is generated by plot.py at 2018-07-18 02:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.00 Mbit/s
95th percentile per-packet one-way delay: 119.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.00 Mbit/s
95th percentile per-packet one-way delay: 119.476 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

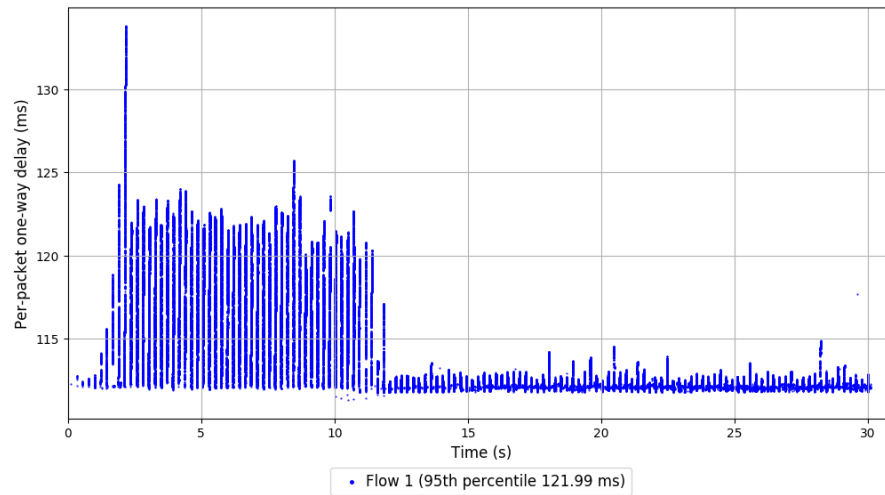
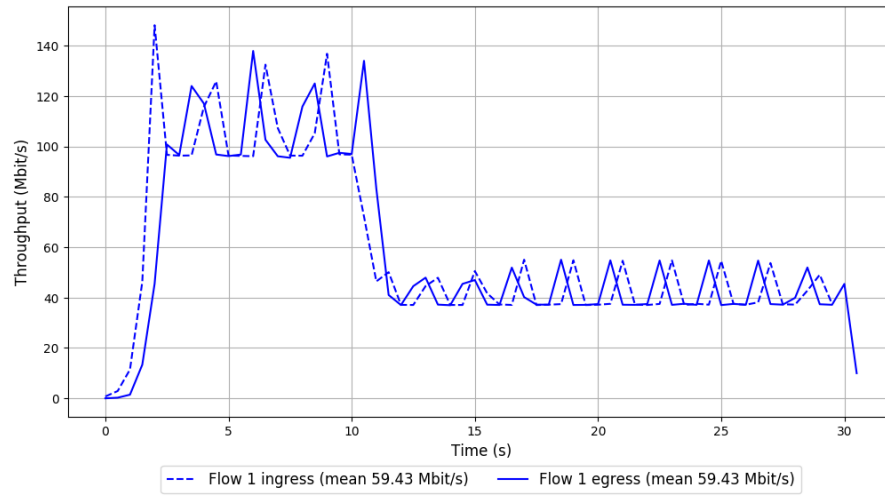


Run 2: Statistics of TCP Vegas

Start at: 2018-07-17 22:04:53
End at: 2018-07-17 22:05:23
Local clock offset: 20.523 ms
Remote clock offset: 20.371 ms

Below is generated by plot.py at 2018-07-18 02:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 121.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 121.990 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

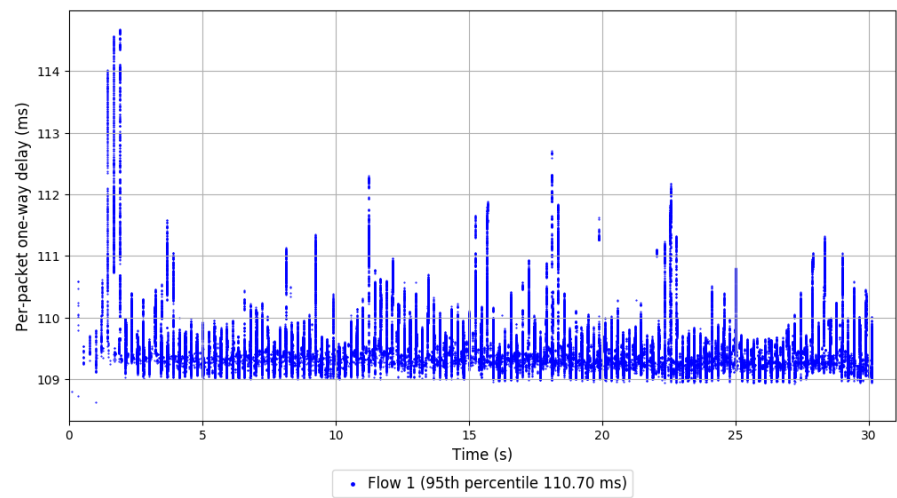
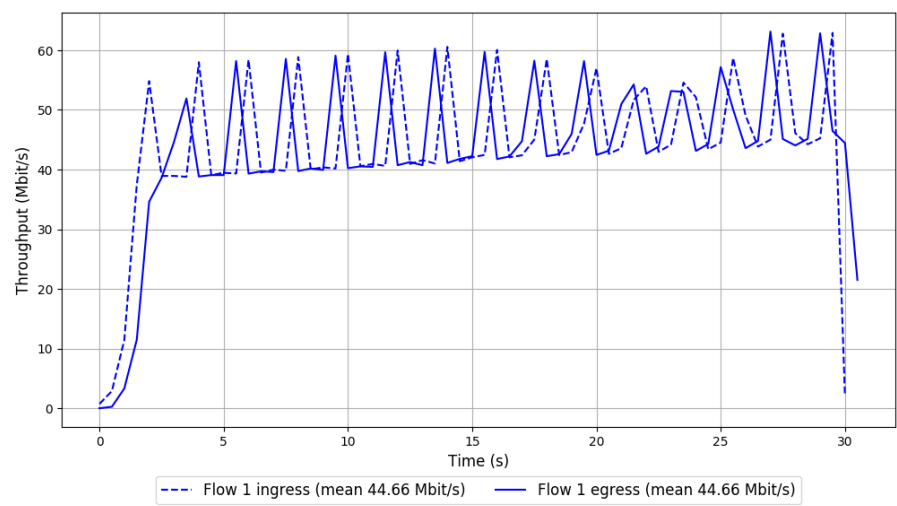


Run 3: Statistics of TCP Vegas

Start at: 2018-07-17 22:27:26
End at: 2018-07-17 22:27:56
Local clock offset: 29.243 ms
Remote clock offset: 25.836 ms

Below is generated by plot.py at 2018-07-18 02:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 110.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 110.700 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

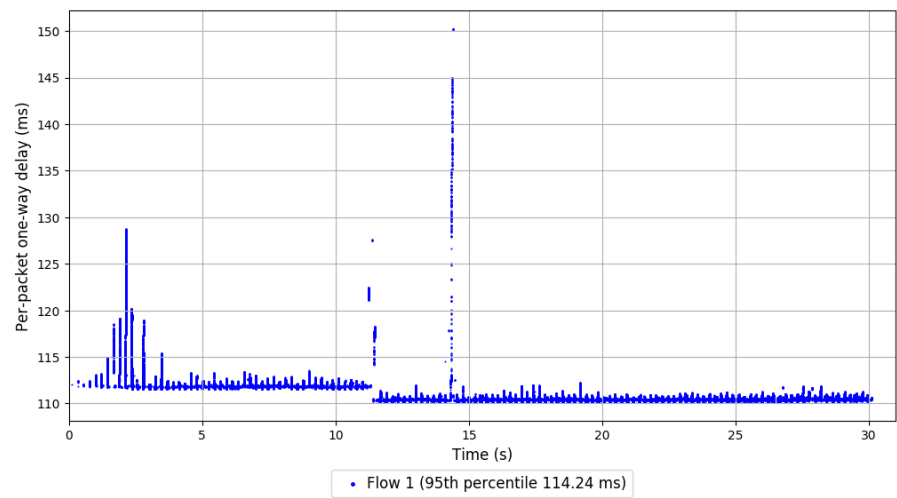
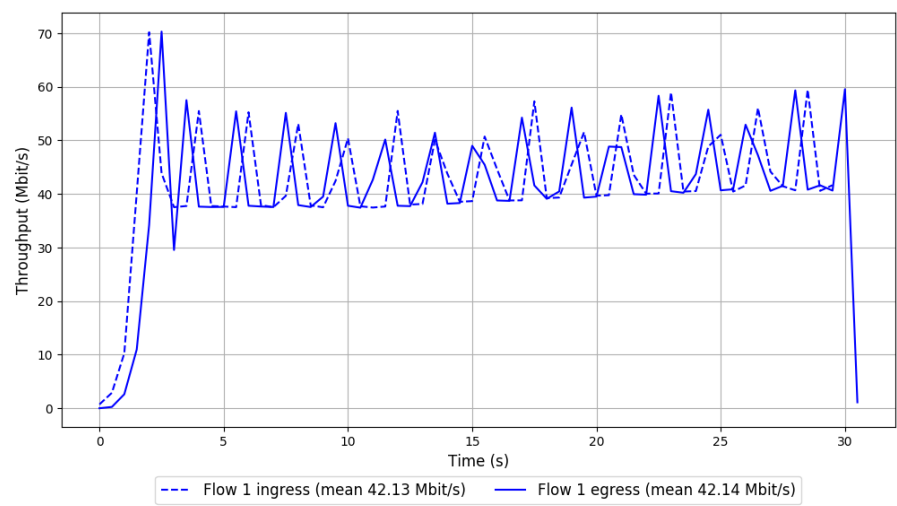


Run 4: Statistics of TCP Vegas

Start at: 2018-07-17 22:50:01
End at: 2018-07-17 22:50:31
Local clock offset: 16.585 ms
Remote clock offset: 15.282 ms

Below is generated by plot.py at 2018-07-18 02:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.14 Mbit/s
95th percentile per-packet one-way delay: 114.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.14 Mbit/s
95th percentile per-packet one-way delay: 114.242 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-17 23:12:42

End at: 2018-07-17 23:13:12

Local clock offset: 5.357 ms

Remote clock offset: 6.886 ms

Below is generated by plot.py at 2018-07-18 02:35:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.74 Mbit/s

95th percentile per-packet one-way delay: 112.693 ms

Loss rate: 0.00%

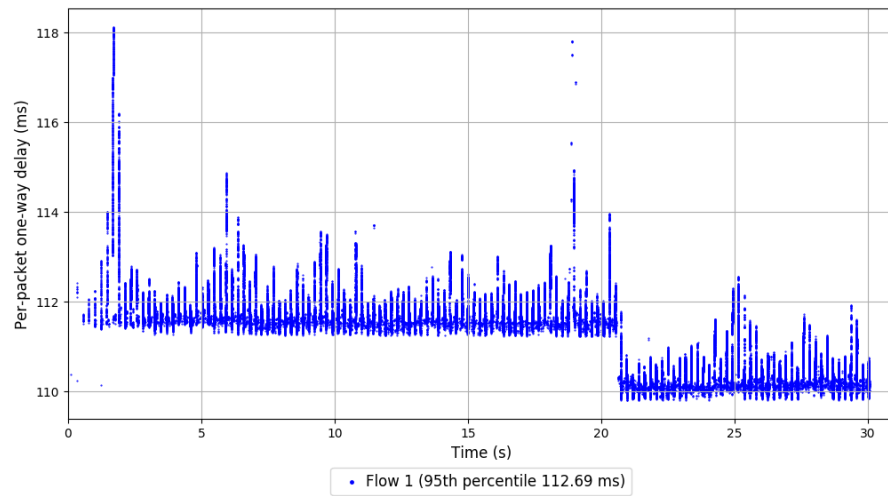
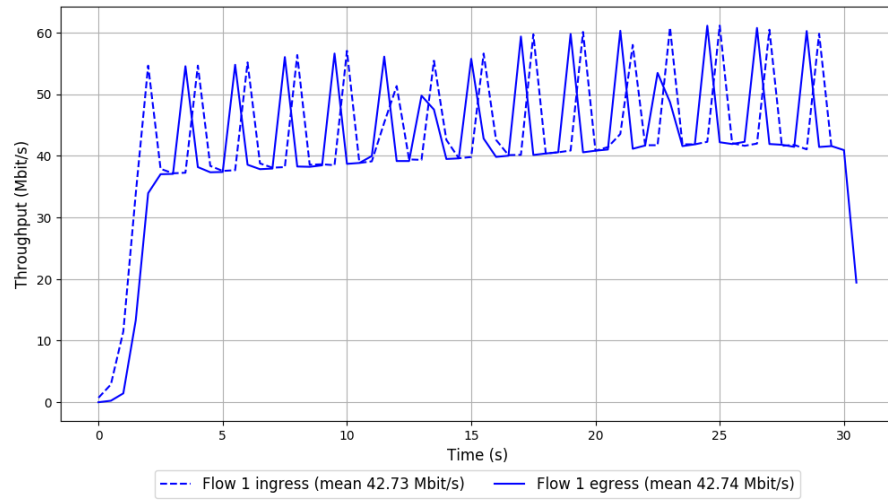
-- Flow 1:

Average throughput: 42.74 Mbit/s

95th percentile per-packet one-way delay: 112.693 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-17 23:34:56

End at: 2018-07-17 23:35:26

Local clock offset: 3.551 ms

Remote clock offset: 6.787 ms

Below is generated by plot.py at 2018-07-18 02:35:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 112.314 ms

Loss rate: 0.00%

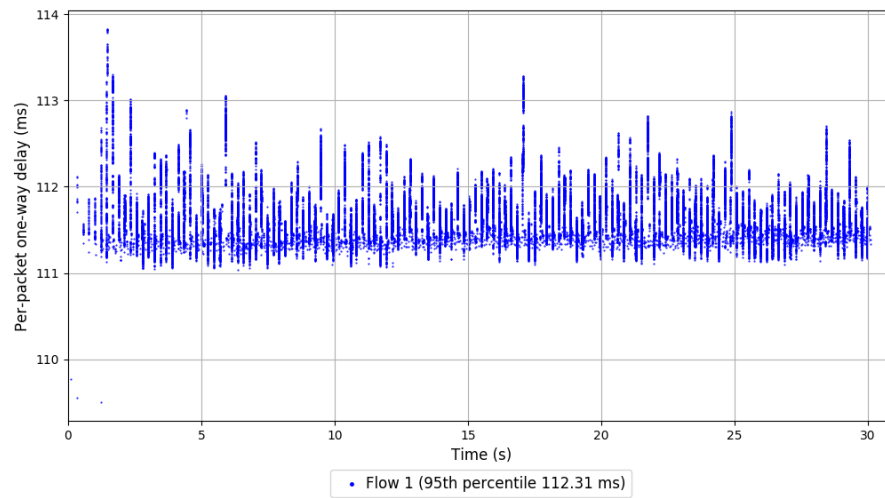
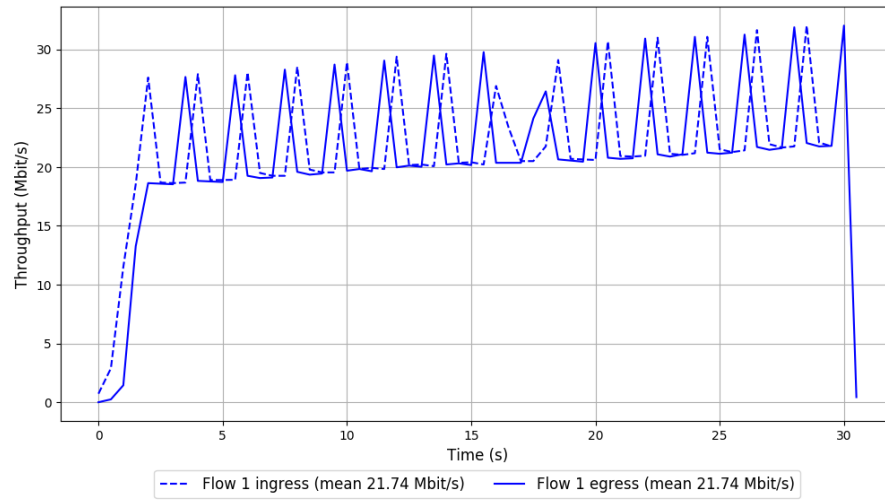
-- Flow 1:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 112.314 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-17 23:57:17

End at: 2018-07-17 23:57:47

Local clock offset: 1.533 ms

Remote clock offset: 3.71 ms

Below is generated by plot.py at 2018-07-18 02:35:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.89 Mbit/s

95th percentile per-packet one-way delay: 119.913 ms

Loss rate: 0.00%

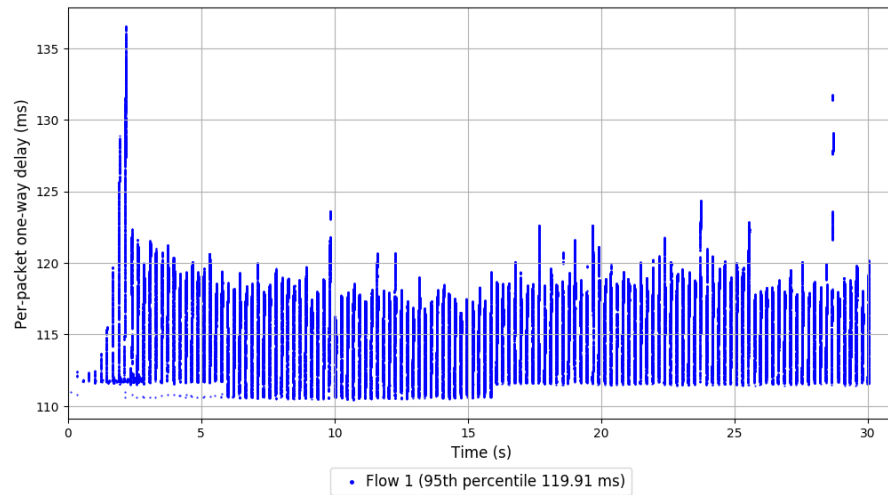
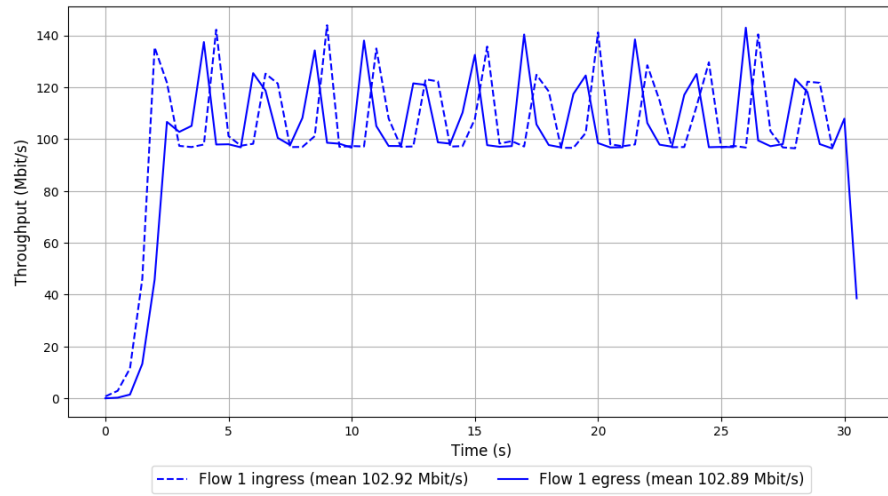
-- Flow 1:

Average throughput: 102.89 Mbit/s

95th percentile per-packet one-way delay: 119.913 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 00:19:39

End at: 2018-07-18 00:20:09

Local clock offset: -0.315 ms

Remote clock offset: 1.088 ms

Below is generated by plot.py at 2018-07-18 02:35:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.31 Mbit/s

95th percentile per-packet one-way delay: 113.568 ms

Loss rate: 0.00%

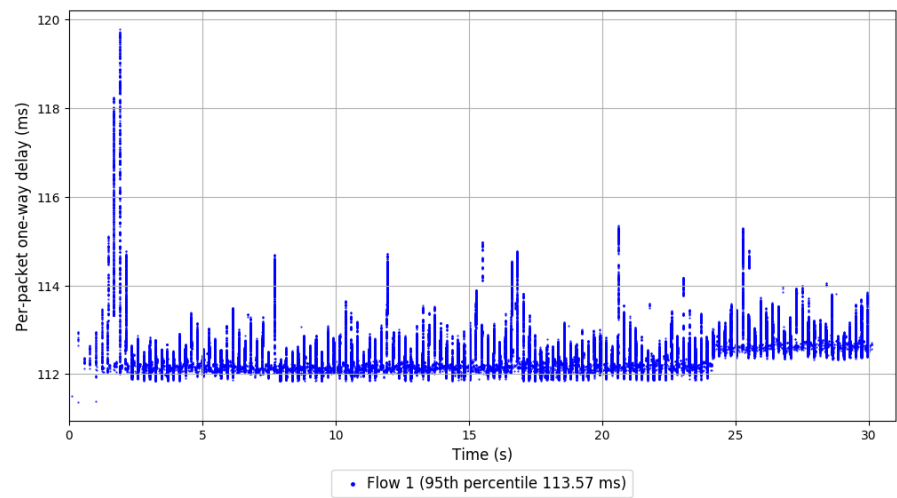
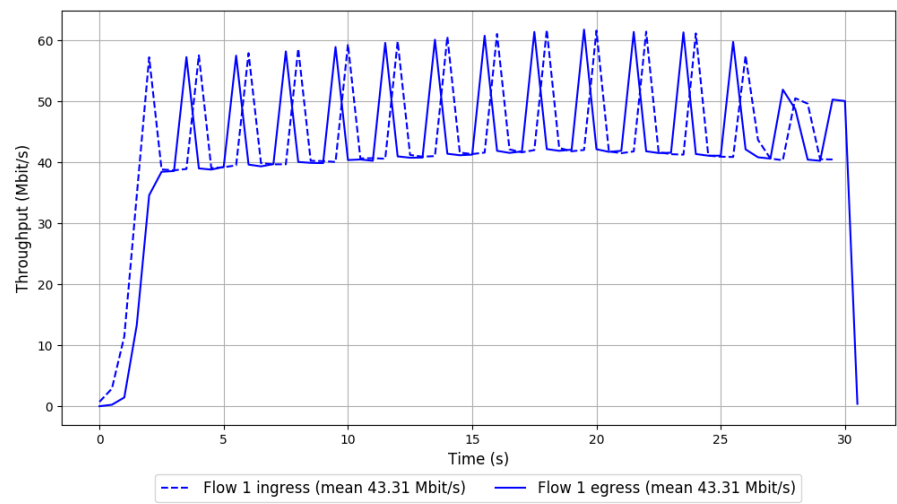
-- Flow 1:

Average throughput: 43.31 Mbit/s

95th percentile per-packet one-way delay: 113.568 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 00:41:53

End at: 2018-07-18 00:42:23

Local clock offset: 0.769 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2018-07-18 02:35:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.55 Mbit/s

95th percentile per-packet one-way delay: 121.593 ms

Loss rate: 0.00%

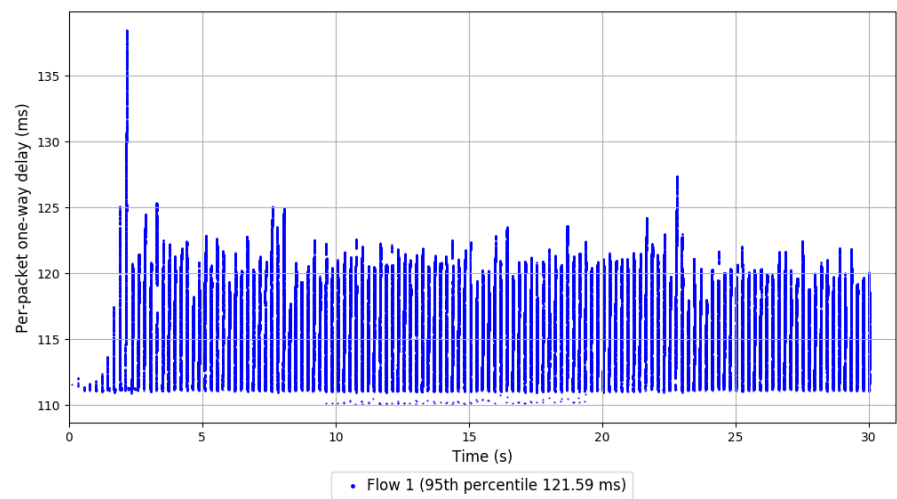
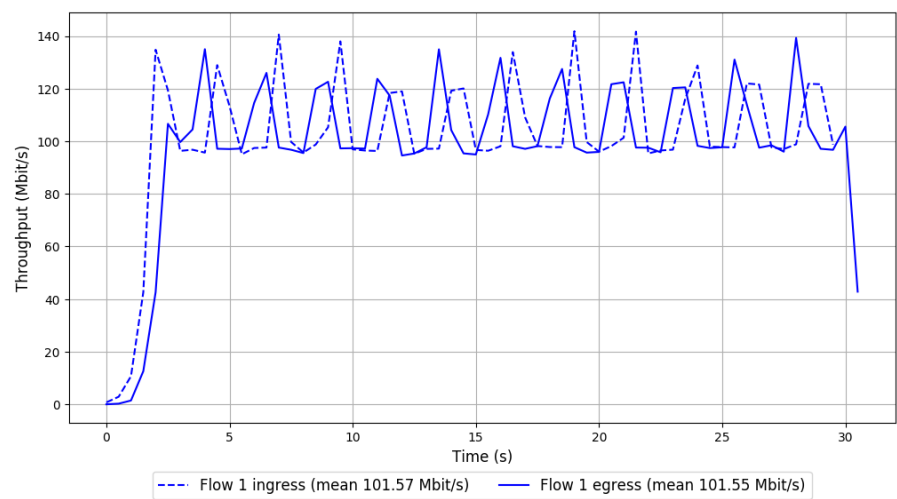
-- Flow 1:

Average throughput: 101.55 Mbit/s

95th percentile per-packet one-way delay: 121.593 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 01:04:24

End at: 2018-07-18 01:04:54

Local clock offset: 0.08 ms

Remote clock offset: 0.564 ms

Below is generated by plot.py at 2018-07-18 02:35:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.25 Mbit/s

95th percentile per-packet one-way delay: 113.434 ms

Loss rate: 0.00%

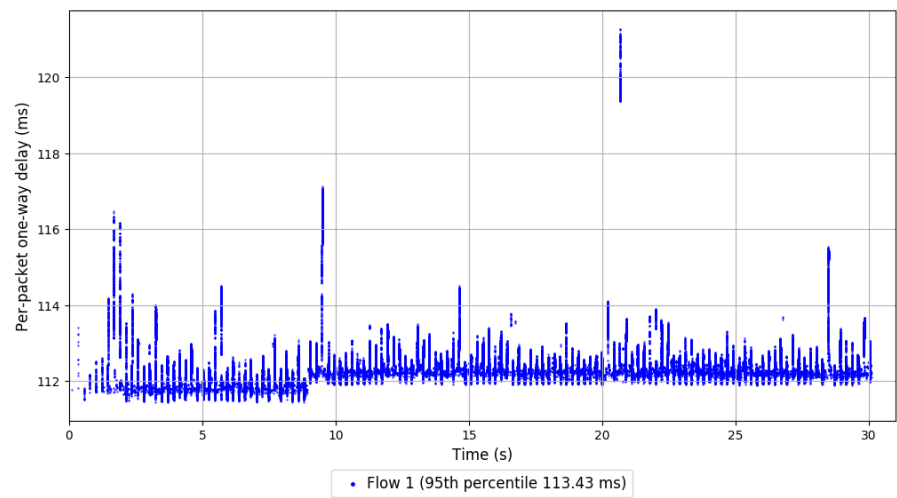
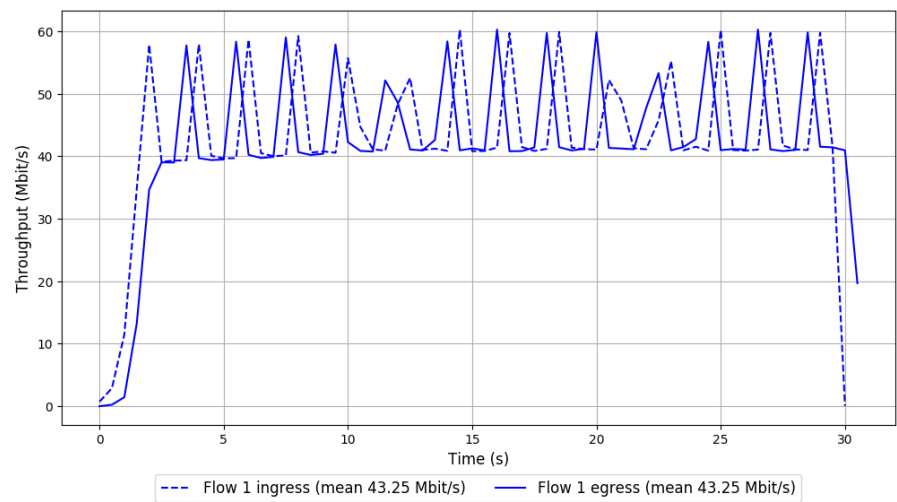
-- Flow 1:

Average throughput: 43.25 Mbit/s

95th percentile per-packet one-way delay: 113.434 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

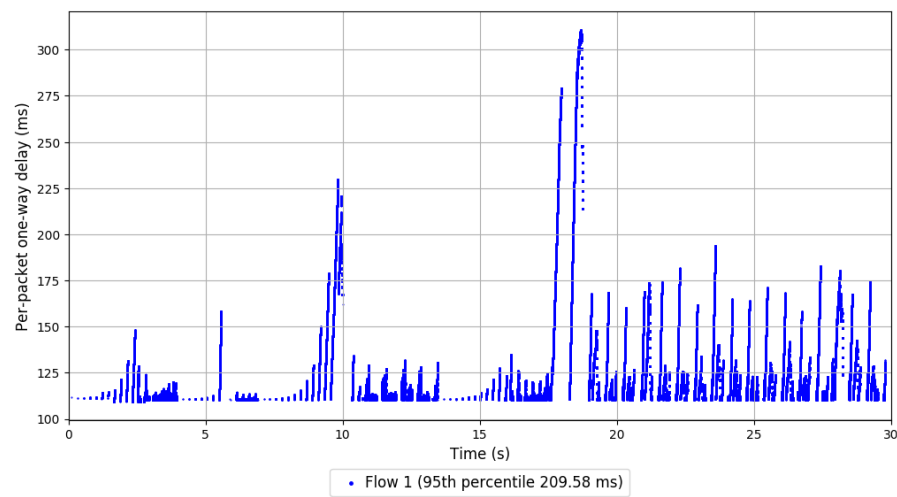
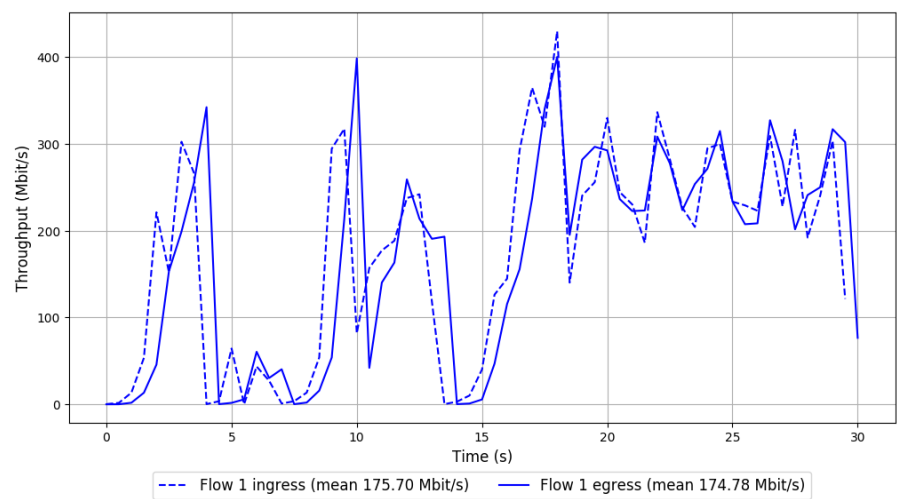


Run 1: Statistics of Verus

Start at: 2018-07-17 21:34:19
End at: 2018-07-17 21:34:50
Local clock offset: 15.2 ms
Remote clock offset: 13.292 ms

Below is generated by plot.py at 2018-07-18 02:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 174.78 Mbit/s
95th percentile per-packet one-way delay: 209.580 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 174.78 Mbit/s
95th percentile per-packet one-way delay: 209.580 ms
Loss rate: 0.52%

Run 1: Report of Verus — Data Link

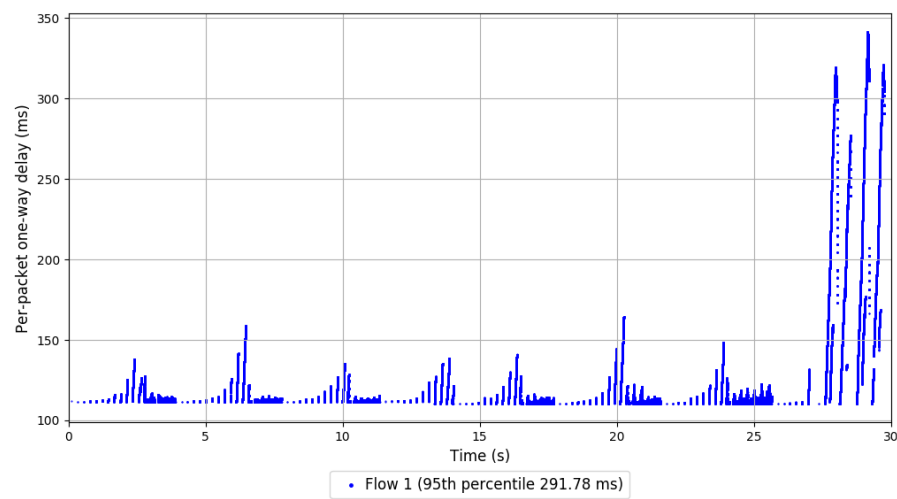
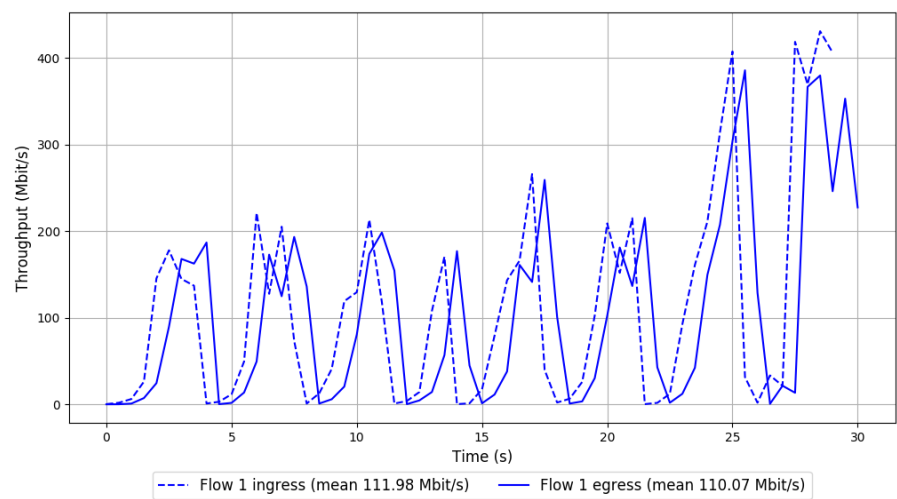


Run 2: Statistics of Verus

Start at: 2018-07-17 21:56:29
End at: 2018-07-17 21:56:59
Local clock offset: 20.055 ms
Remote clock offset: 18.422 ms

Below is generated by plot.py at 2018-07-18 02:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.07 Mbit/s
95th percentile per-packet one-way delay: 291.784 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 110.07 Mbit/s
95th percentile per-packet one-way delay: 291.784 ms
Loss rate: 1.11%

Run 2: Report of Verus — Data Link

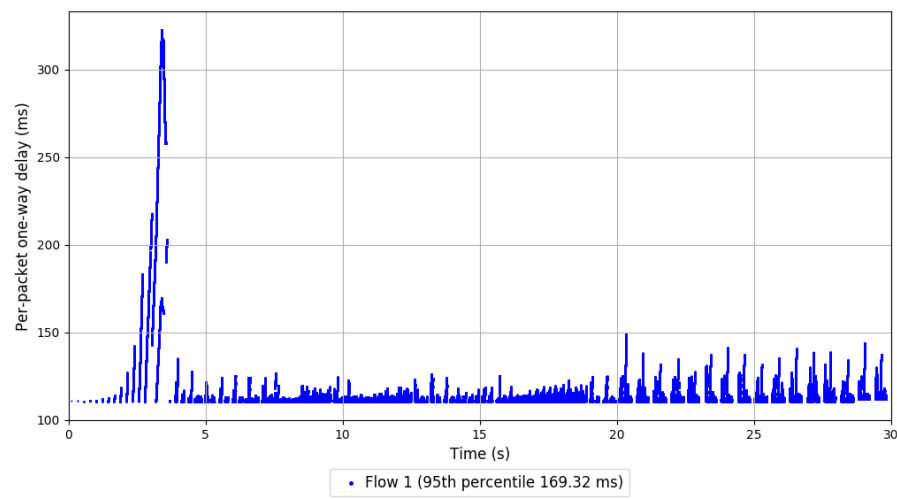
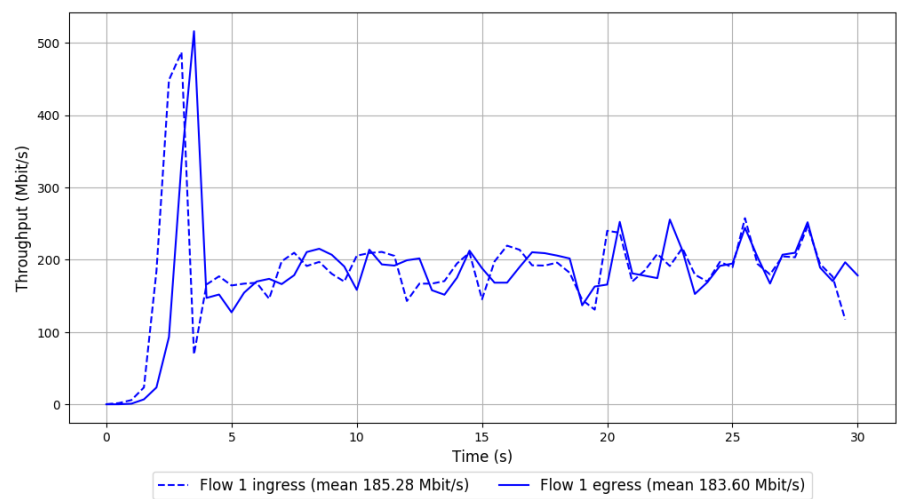


Run 3: Statistics of Verus

Start at: 2018-07-17 22:18:54
End at: 2018-07-17 22:19:24
Local clock offset: 34.427 ms
Remote clock offset: 31.641 ms

Below is generated by plot.py at 2018-07-18 02:36:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.60 Mbit/s
95th percentile per-packet one-way delay: 169.321 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 183.60 Mbit/s
95th percentile per-packet one-way delay: 169.321 ms
Loss rate: 0.90%

Run 3: Report of Verus — Data Link

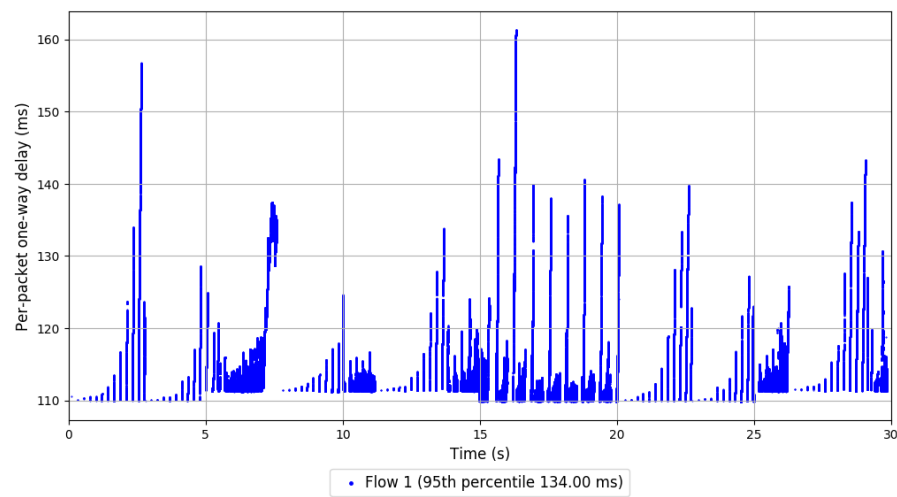
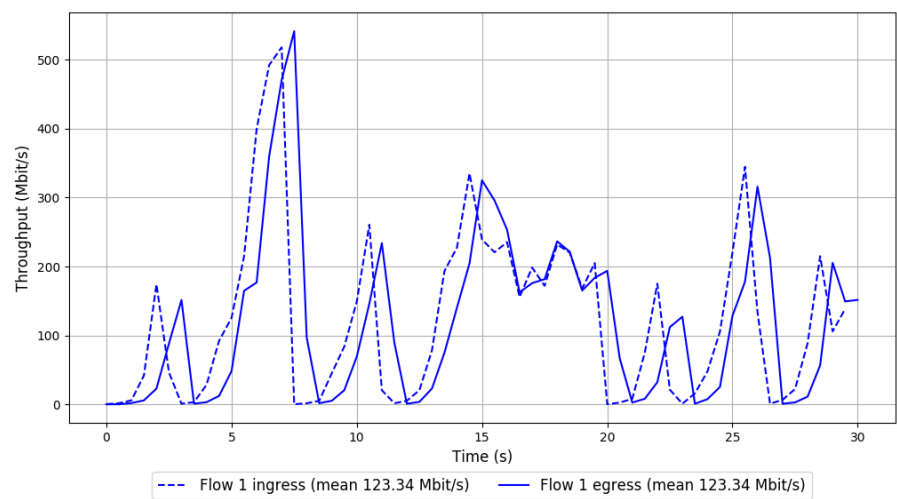


Run 4: Statistics of Verus

Start at: 2018-07-17 22:41:27
End at: 2018-07-17 22:41:57
Local clock offset: 15.264 ms
Remote clock offset: 13.752 ms

Below is generated by plot.py at 2018-07-18 02:36:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.34 Mbit/s
95th percentile per-packet one-way delay: 134.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.34 Mbit/s
95th percentile per-packet one-way delay: 134.002 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

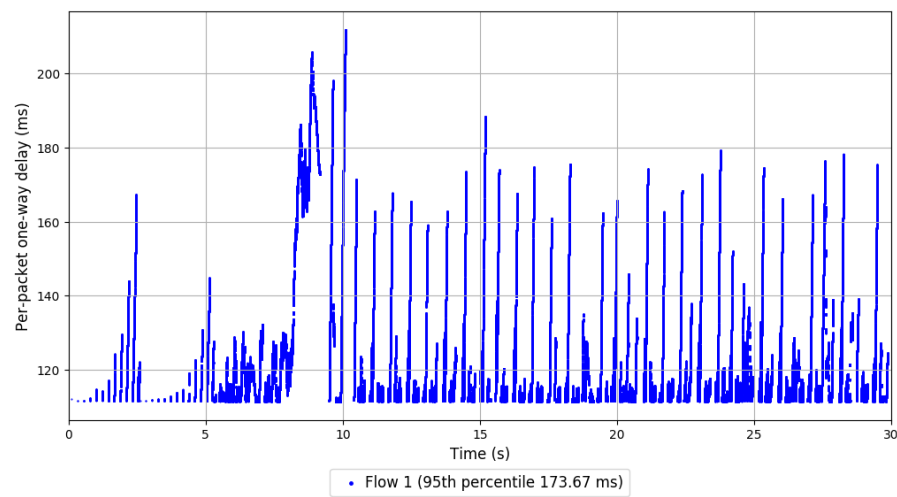
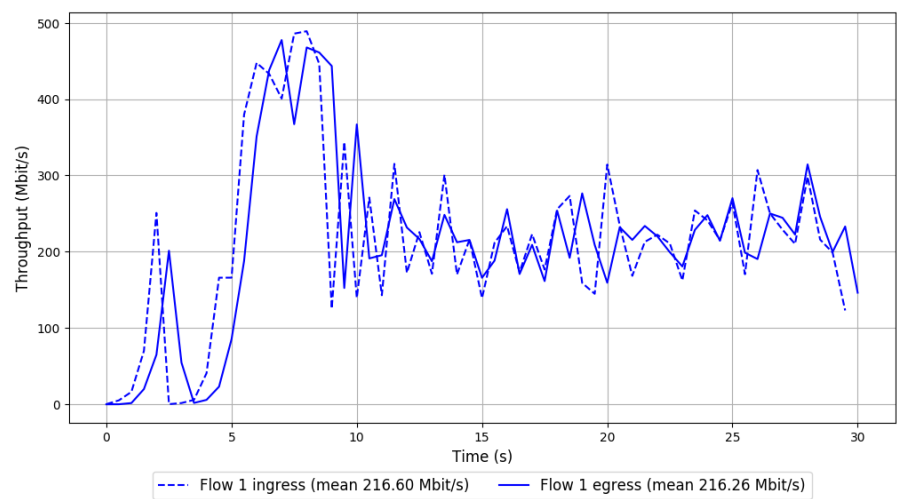


Run 5: Statistics of Verus

Start at: 2018-07-17 23:04:02
End at: 2018-07-17 23:04:32
Local clock offset: 10.853 ms
Remote clock offset: 10.839 ms

Below is generated by plot.py at 2018-07-18 02:37:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.26 Mbit/s
95th percentile per-packet one-way delay: 173.671 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 216.26 Mbit/s
95th percentile per-packet one-way delay: 173.671 ms
Loss rate: 0.16%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-17 23:26:24

End at: 2018-07-17 23:26:54

Local clock offset: 4.141 ms

Remote clock offset: 7.784 ms

Below is generated by plot.py at 2018-07-18 02:37:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.22 Mbit/s

95th percentile per-packet one-way delay: 145.906 ms

Loss rate: 0.82%

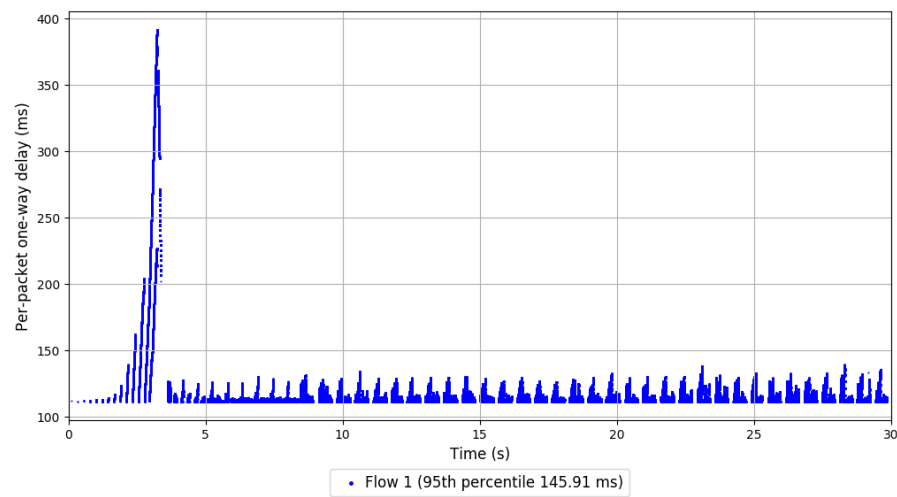
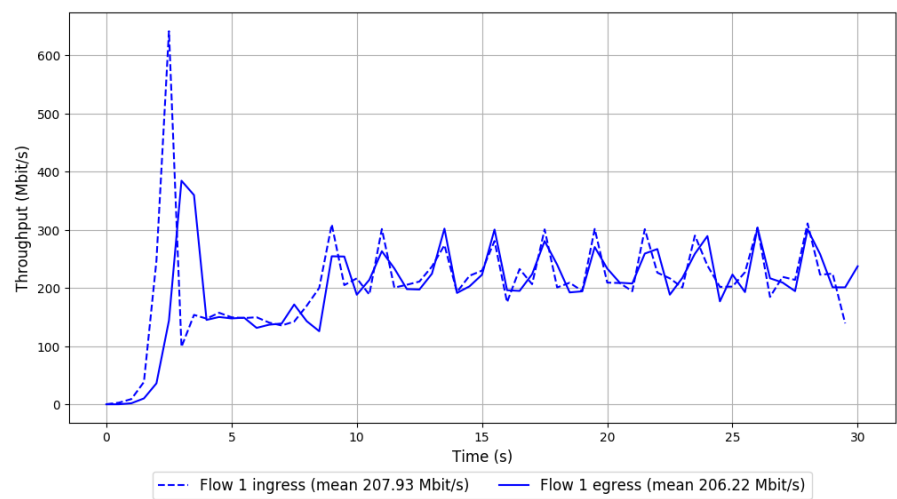
-- Flow 1:

Average throughput: 206.22 Mbit/s

95th percentile per-packet one-way delay: 145.906 ms

Loss rate: 0.82%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-17 23:48:42

End at: 2018-07-17 23:49:12

Local clock offset: 1.894 ms

Remote clock offset: 3.123 ms

Below is generated by plot.py at 2018-07-18 02:38:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.11 Mbit/s

95th percentile per-packet one-way delay: 182.821 ms

Loss rate: 0.00%

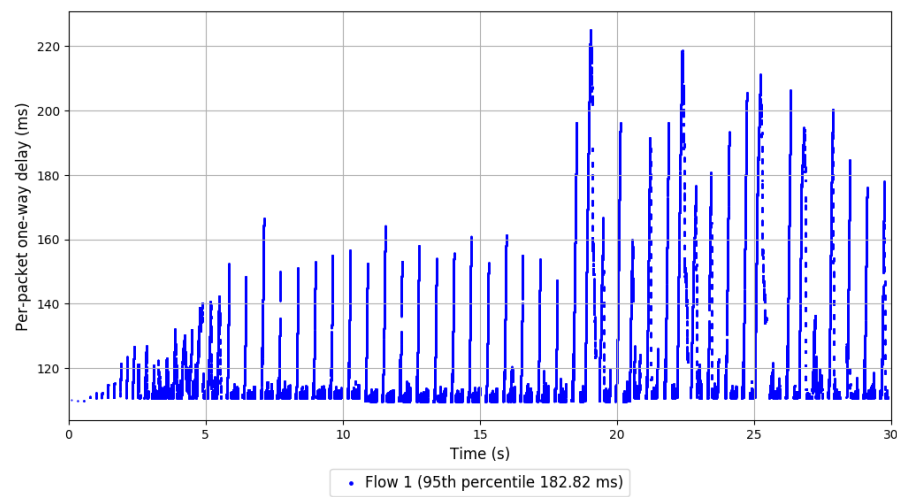
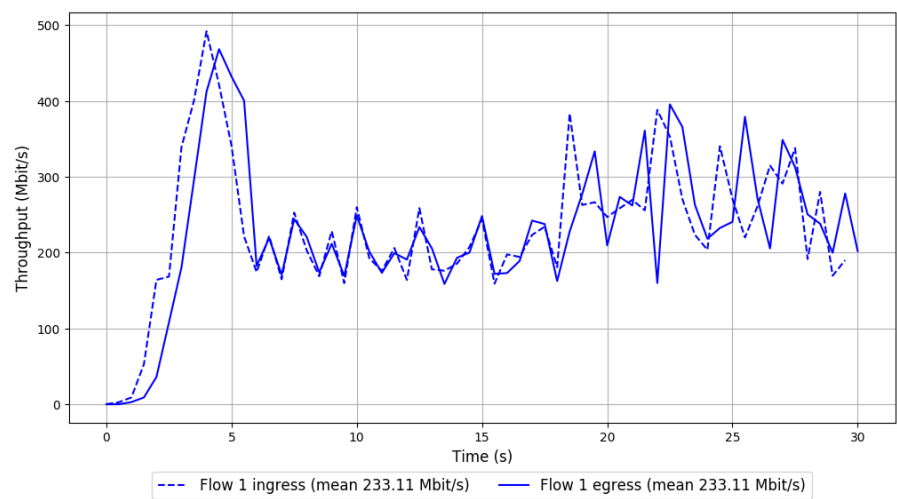
-- Flow 1:

Average throughput: 233.11 Mbit/s

95th percentile per-packet one-way delay: 182.821 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-18 00:11:05

End at: 2018-07-18 00:11:35

Local clock offset: 1.095 ms

Remote clock offset: 2.388 ms

Below is generated by plot.py at 2018-07-18 02:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.02 Mbit/s

95th percentile per-packet one-way delay: 235.160 ms

Loss rate: 0.10%

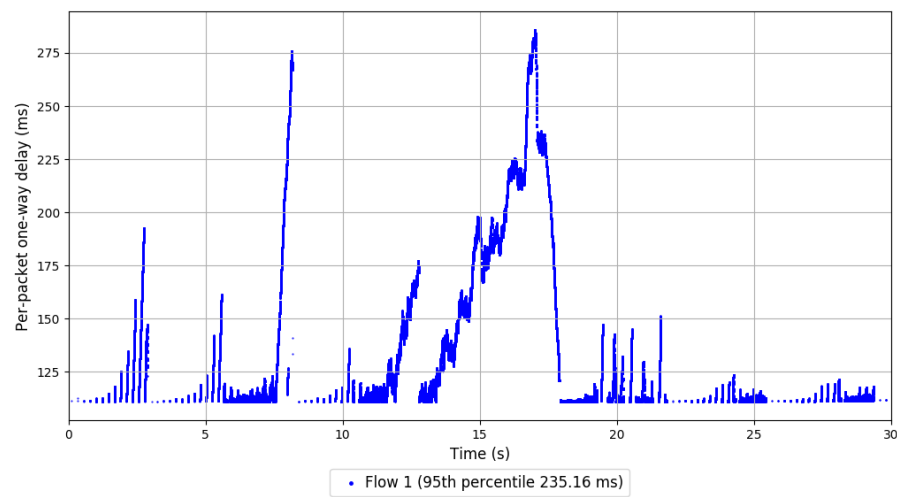
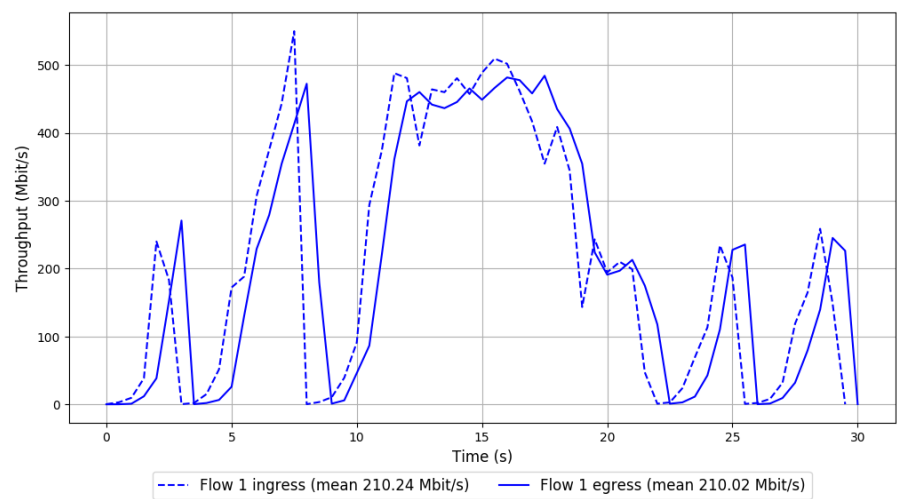
-- Flow 1:

Average throughput: 210.02 Mbit/s

95th percentile per-packet one-way delay: 235.160 ms

Loss rate: 0.10%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-18 00:33:36

End at: 2018-07-18 00:34:06

Local clock offset: 0.679 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2018-07-18 02:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.14 Mbit/s

95th percentile per-packet one-way delay: 141.401 ms

Loss rate: 0.00%

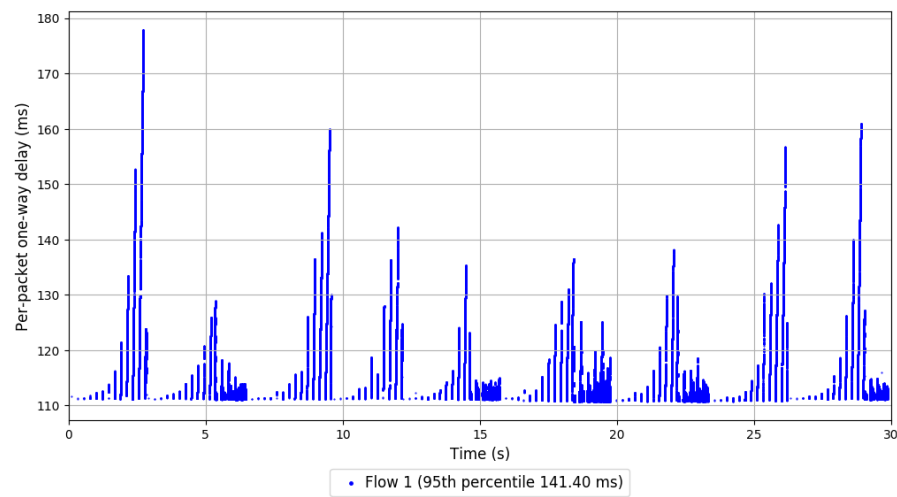
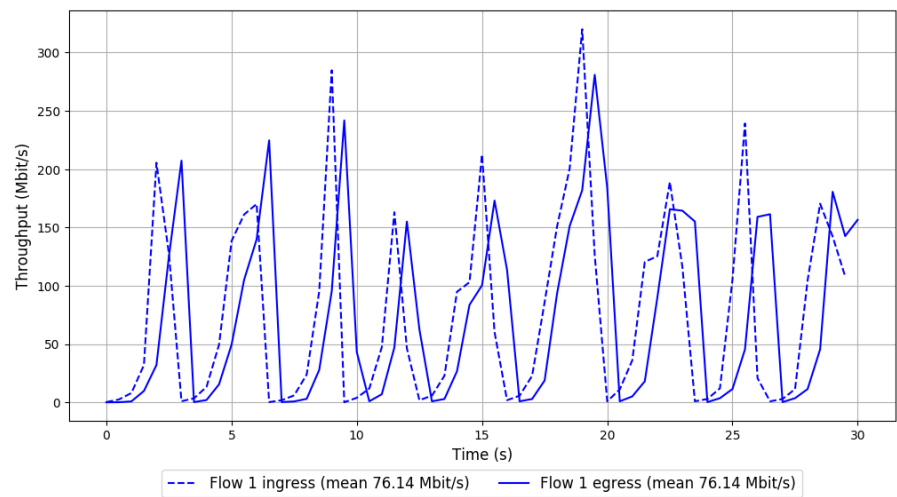
-- Flow 1:

Average throughput: 76.14 Mbit/s

95th percentile per-packet one-way delay: 141.401 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-18 00:55:50

End at: 2018-07-18 00:56:20

Local clock offset: 0.161 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-07-18 02:39:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.65 Mbit/s

95th percentile per-packet one-way delay: 157.796 ms

Loss rate: 0.13%

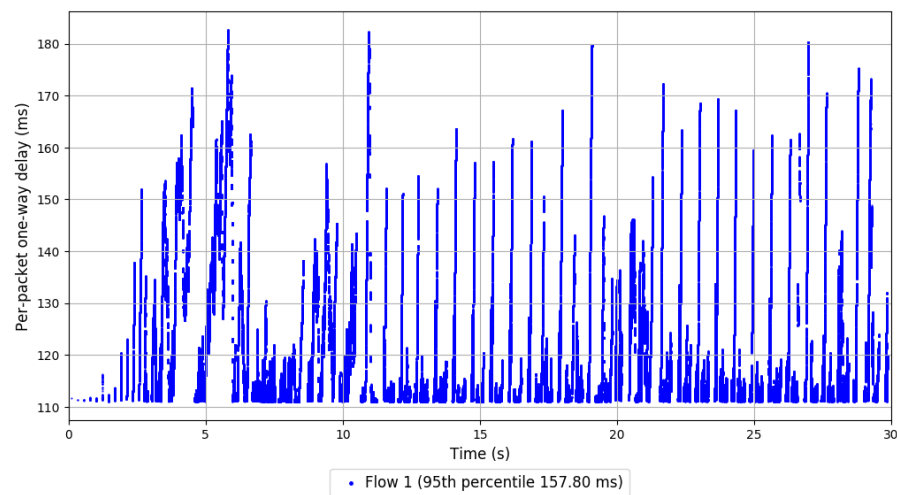
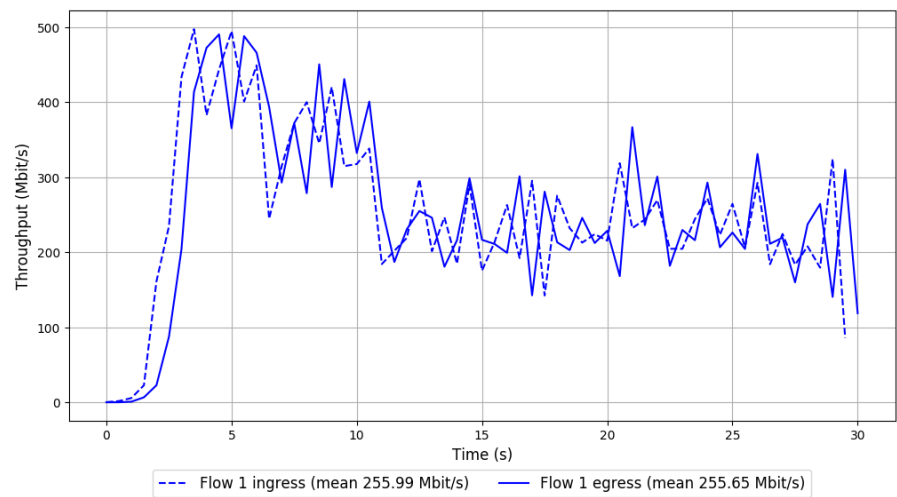
-- Flow 1:

Average throughput: 255.65 Mbit/s

95th percentile per-packet one-way delay: 157.796 ms

Loss rate: 0.13%

Run 10: Report of Verus — Data Link

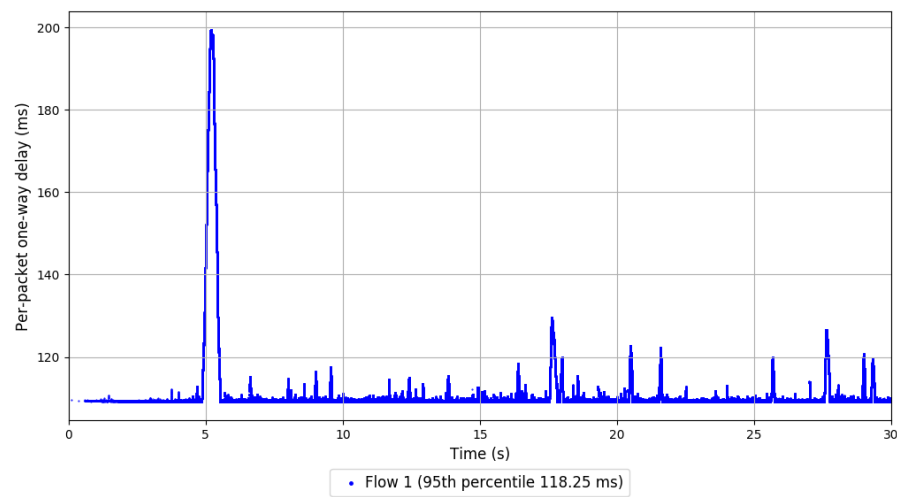
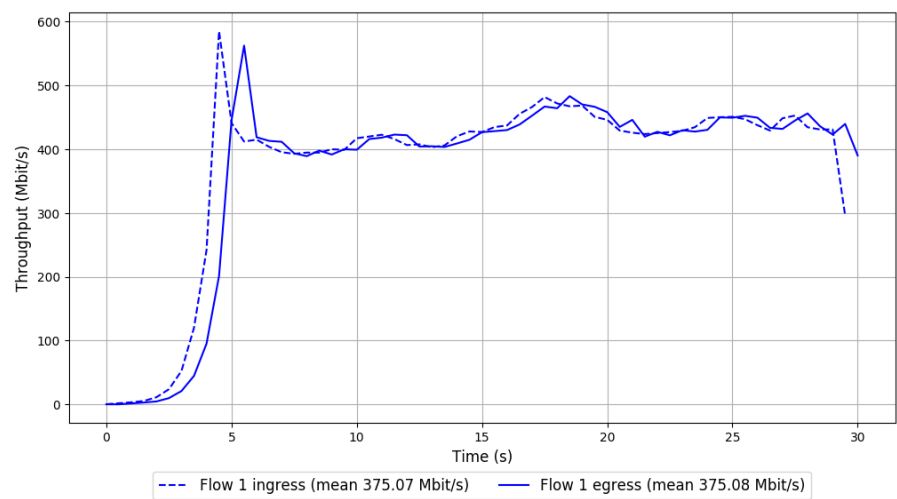


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-17 21:35:39
End at: 2018-07-17 21:36:09
Local clock offset: 14.96 ms
Remote clock offset: 12.663 ms

Below is generated by plot.py at 2018-07-18 02:42:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.08 Mbit/s
95th percentile per-packet one-way delay: 118.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 375.08 Mbit/s
95th percentile per-packet one-way delay: 118.254 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

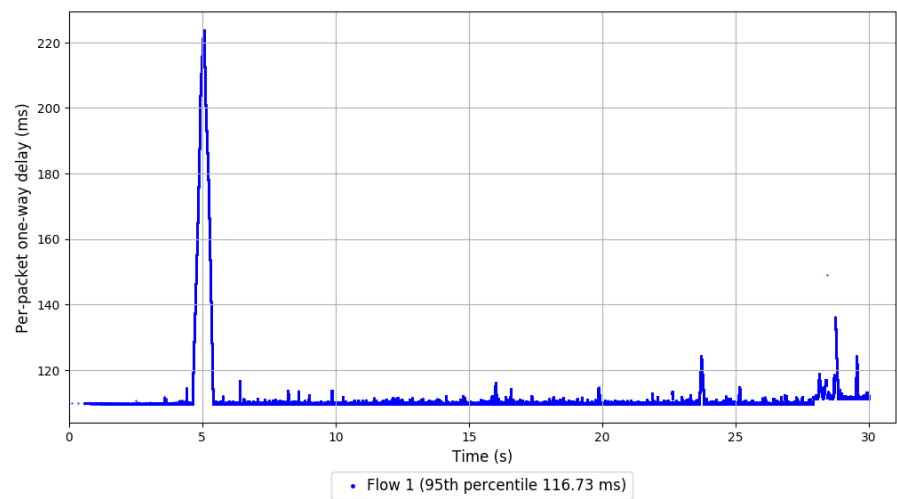
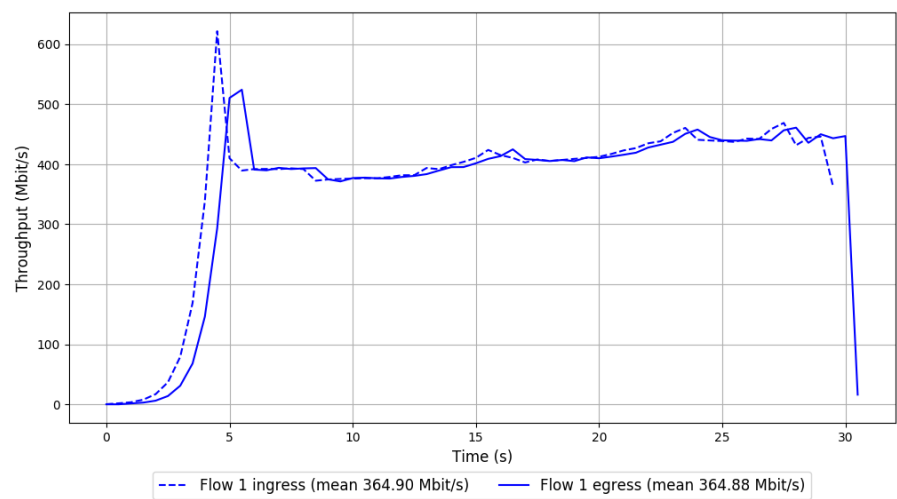


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-17 21:57:45
End at: 2018-07-17 21:58:15
Local clock offset: 19.849 ms
Remote clock offset: 18.287 ms

Below is generated by plot.py at 2018-07-18 02:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 364.88 Mbit/s
95th percentile per-packet one-way delay: 116.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 364.88 Mbit/s
95th percentile per-packet one-way delay: 116.731 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-17 22:20:14

End at: 2018-07-17 22:20:44

Local clock offset: 35.671 ms

Remote clock offset: 32.769 ms

Below is generated by plot.py at 2018-07-18 02:42:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.50 Mbit/s

95th percentile per-packet one-way delay: 118.614 ms

Loss rate: 0.00%

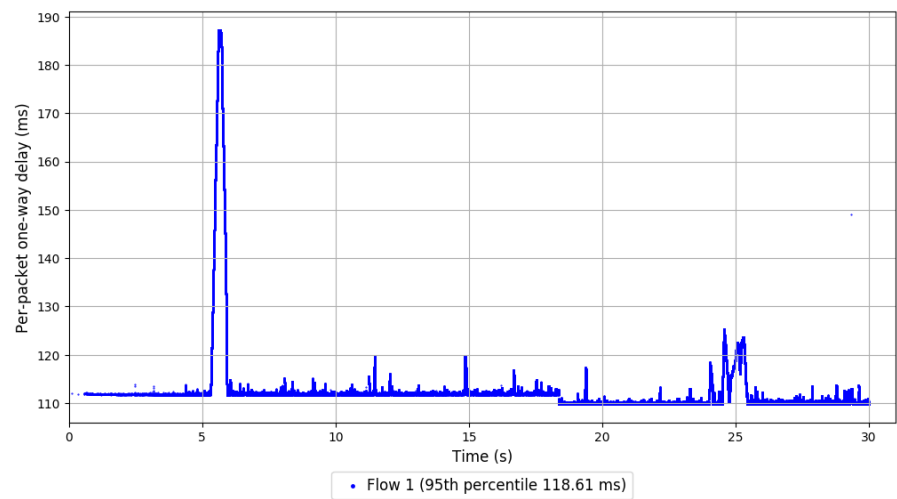
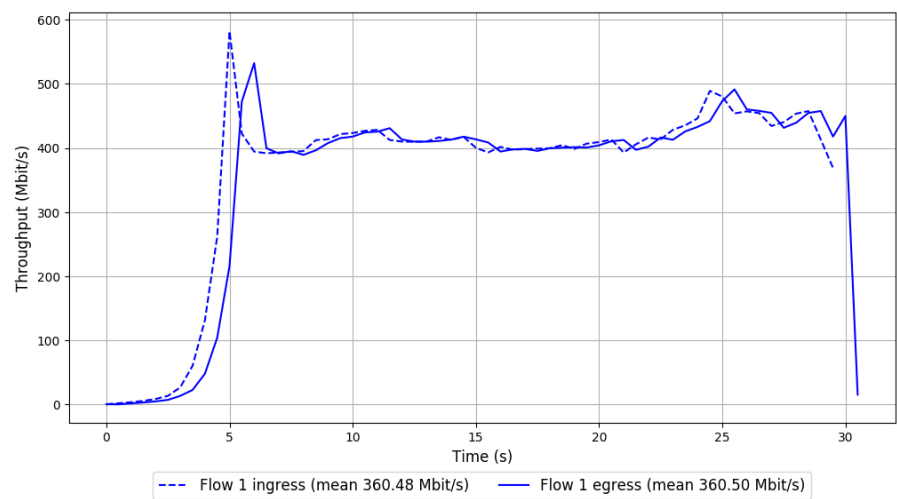
-- Flow 1:

Average throughput: 360.50 Mbit/s

95th percentile per-packet one-way delay: 118.614 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-17 22:42:44

End at: 2018-07-17 22:43:14

Local clock offset: 15.1 ms

Remote clock offset: 14.142 ms

Below is generated by plot.py at 2018-07-18 02:43:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 372.51 Mbit/s

95th percentile per-packet one-way delay: 114.925 ms

Loss rate: 0.00%

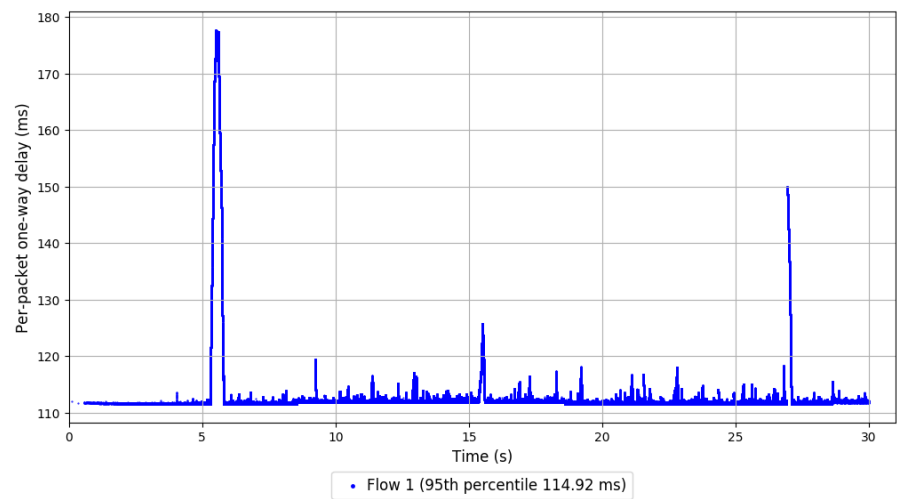
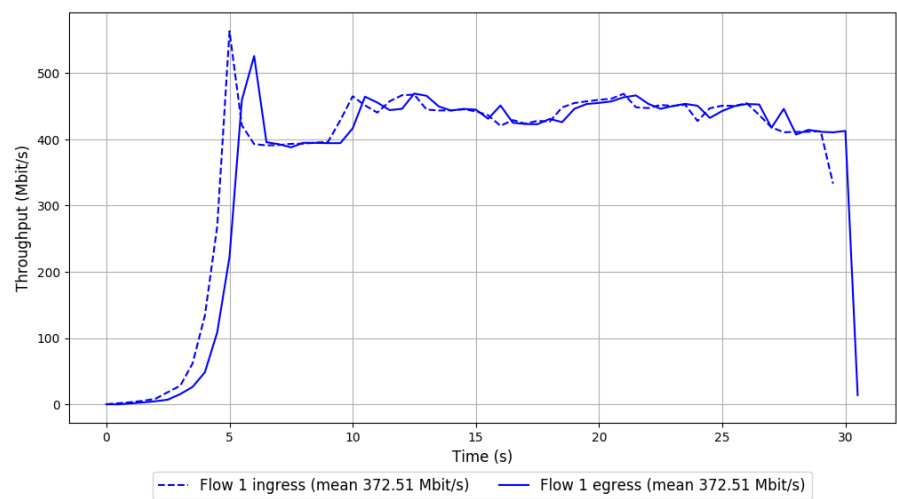
-- Flow 1:

Average throughput: 372.51 Mbit/s

95th percentile per-packet one-way delay: 114.925 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-17 23:05:25

End at: 2018-07-17 23:05:55

Local clock offset: 9.588 ms

Remote clock offset: 9.957 ms

Below is generated by plot.py at 2018-07-18 02:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.59 Mbit/s

95th percentile per-packet one-way delay: 116.101 ms

Loss rate: 0.00%

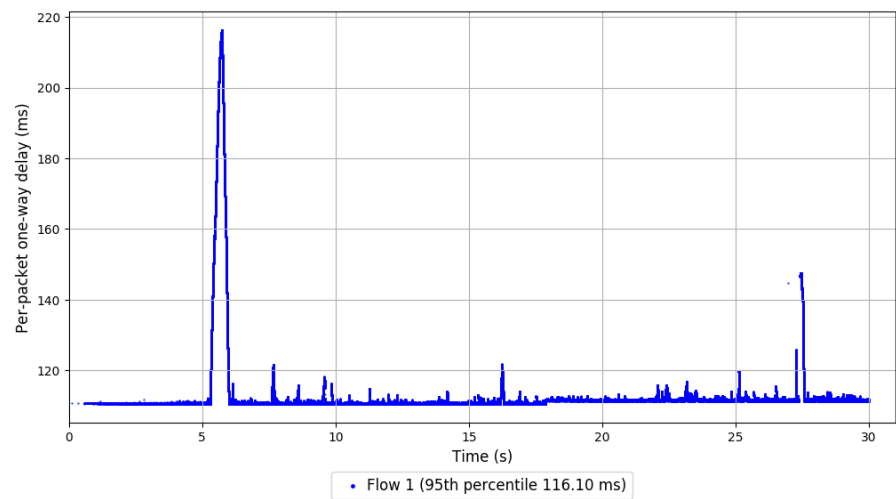
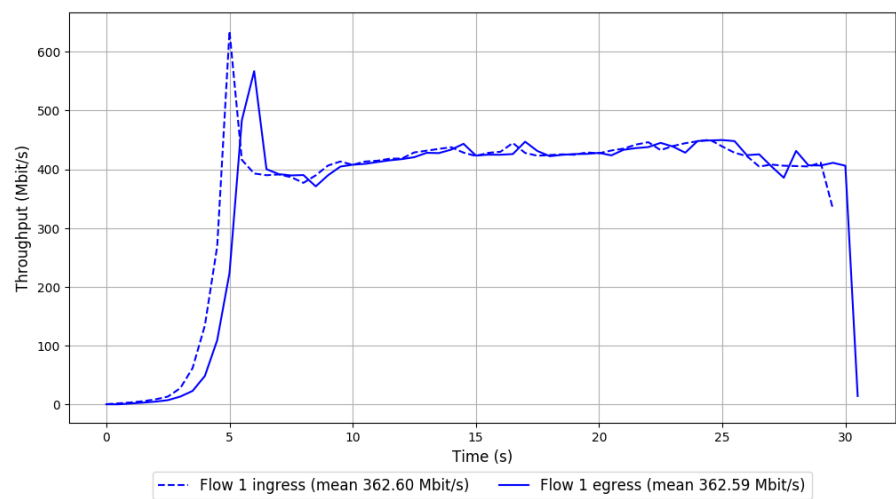
-- Flow 1:

Average throughput: 362.59 Mbit/s

95th percentile per-packet one-way delay: 116.101 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-17 23:27:46

End at: 2018-07-17 23:28:16

Local clock offset: 4.197 ms

Remote clock offset: 8.359 ms

Below is generated by plot.py at 2018-07-18 02:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.31 Mbit/s

95th percentile per-packet one-way delay: 112.639 ms

Loss rate: 0.09%

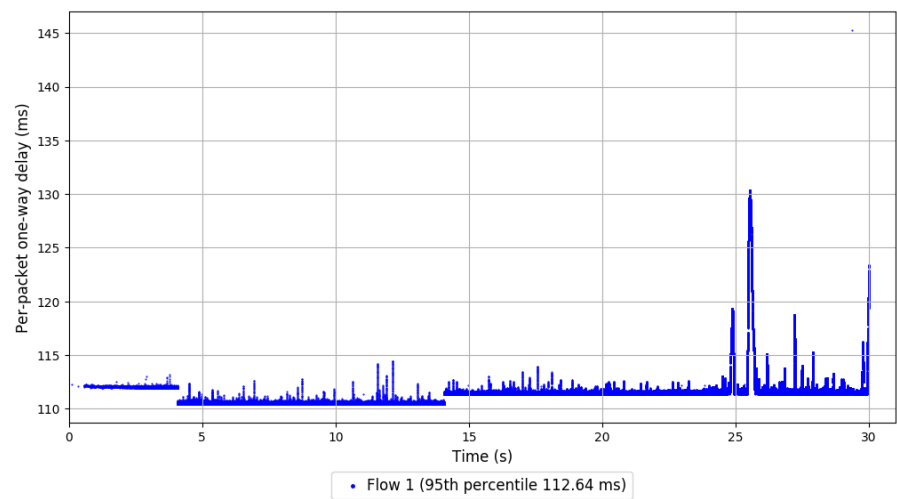
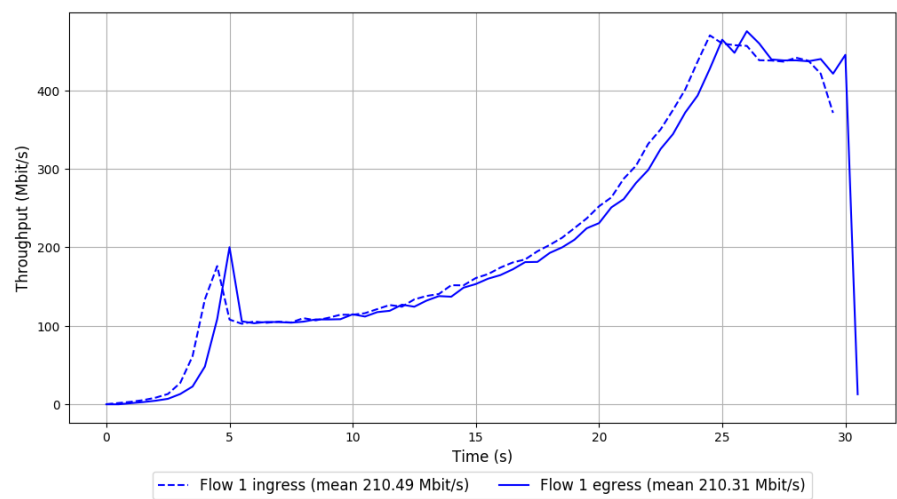
-- Flow 1:

Average throughput: 210.31 Mbit/s

95th percentile per-packet one-way delay: 112.639 ms

Loss rate: 0.09%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-17 23:50:05

End at: 2018-07-17 23:50:35

Local clock offset: 1.704 ms

Remote clock offset: 3.473 ms

Below is generated by plot.py at 2018-07-18 02:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 371.44 Mbit/s

95th percentile per-packet one-way delay: 128.126 ms

Loss rate: 0.00%

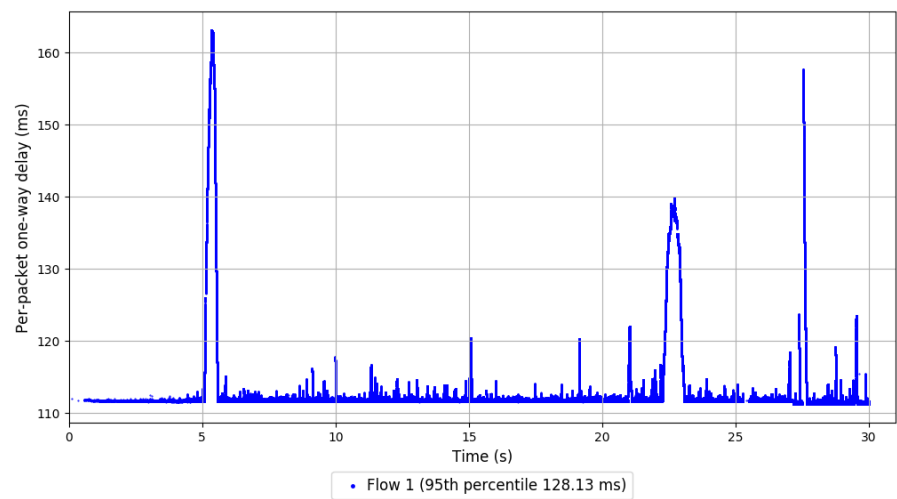
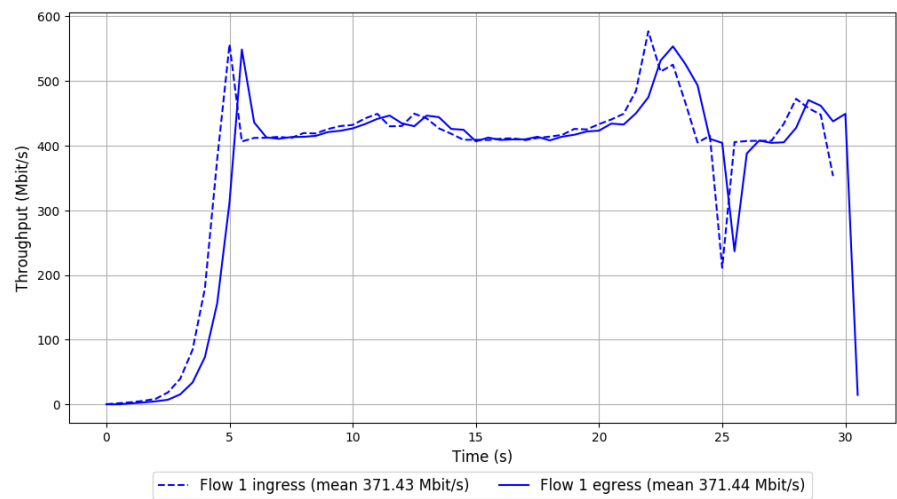
-- Flow 1:

Average throughput: 371.44 Mbit/s

95th percentile per-packet one-way delay: 128.126 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 00:12:28

End at: 2018-07-18 00:12:58

Local clock offset: 1.387 ms

Remote clock offset: 2.104 ms

Below is generated by plot.py at 2018-07-18 02:44:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.78 Mbit/s

95th percentile per-packet one-way delay: 143.932 ms

Loss rate: 0.21%

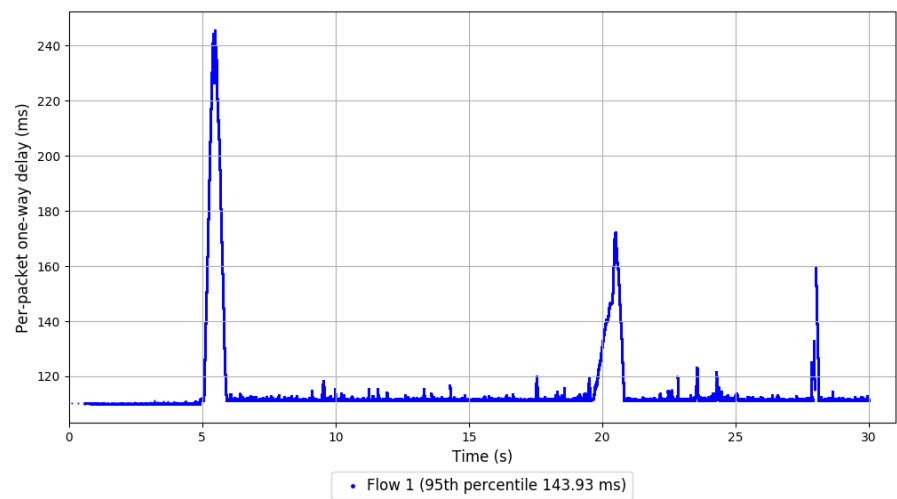
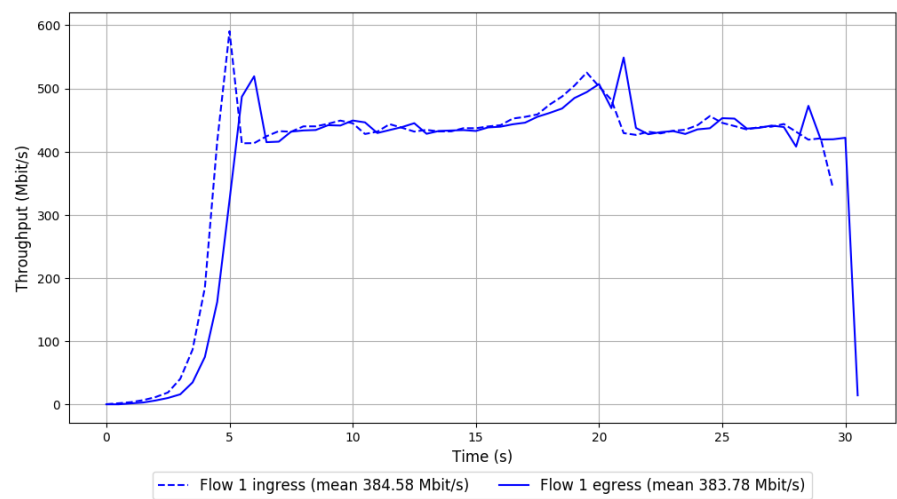
-- Flow 1:

Average throughput: 383.78 Mbit/s

95th percentile per-packet one-way delay: 143.932 ms

Loss rate: 0.21%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 00:34:50

End at: 2018-07-18 00:35:20

Local clock offset: 0.655 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-07-18 02:44:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.58 Mbit/s

95th percentile per-packet one-way delay: 115.377 ms

Loss rate: 0.18%

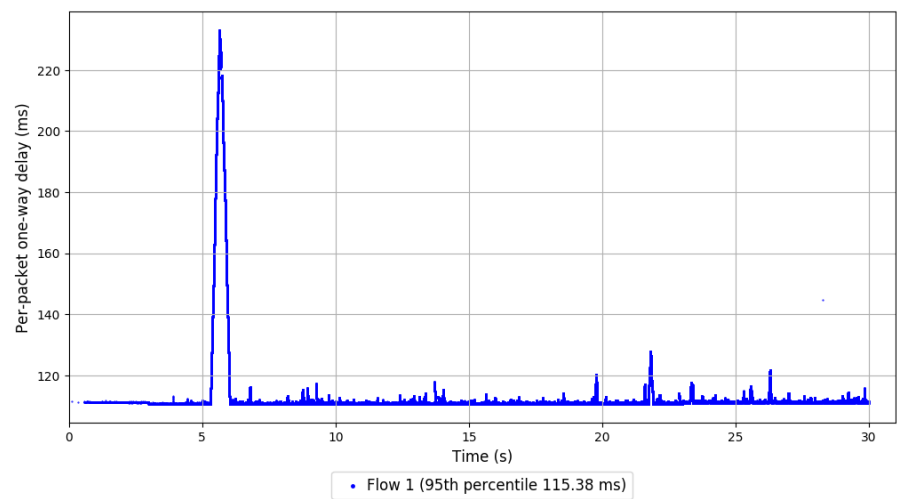
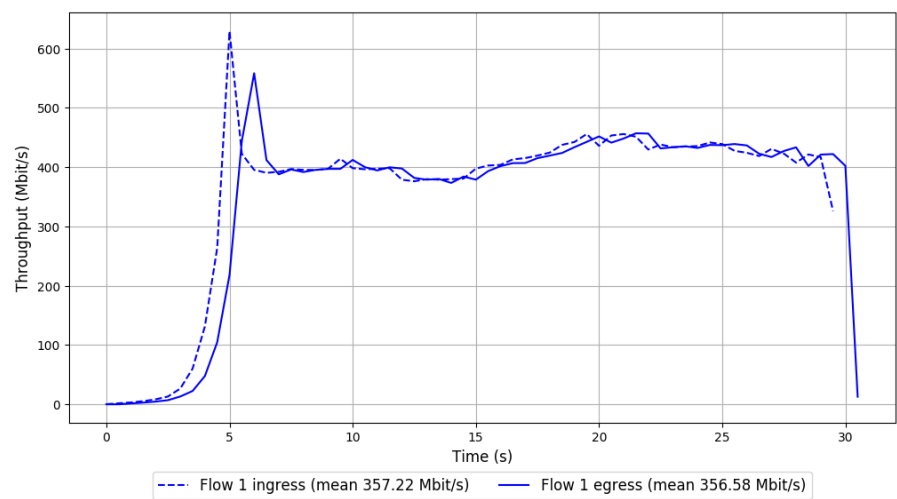
-- Flow 1:

Average throughput: 356.58 Mbit/s

95th percentile per-packet one-way delay: 115.377 ms

Loss rate: 0.18%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 00:57:16

End at: 2018-07-18 00:57:46

Local clock offset: 0.516 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-07-18 02:44:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.44 Mbit/s

95th percentile per-packet one-way delay: 121.361 ms

Loss rate: 0.37%

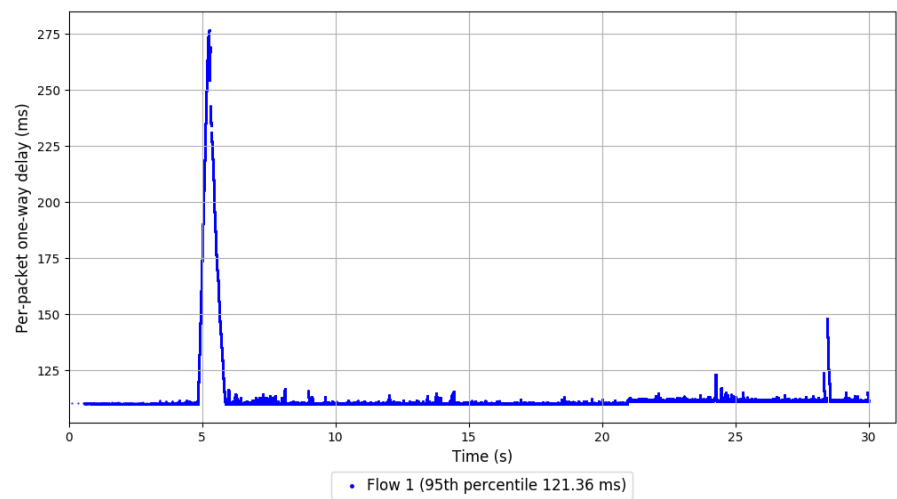
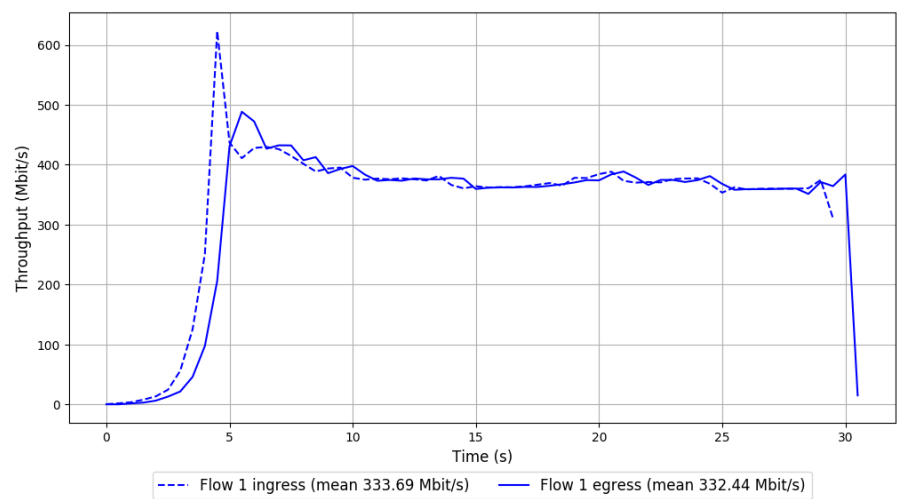
-- Flow 1:

Average throughput: 332.44 Mbit/s

95th percentile per-packet one-way delay: 121.361 ms

Loss rate: 0.37%

Run 10: Report of PCC-Vivace — Data Link

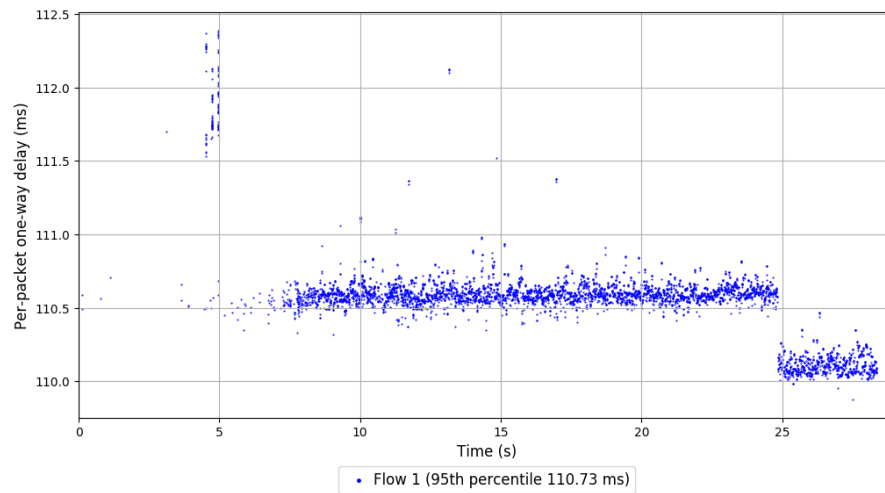
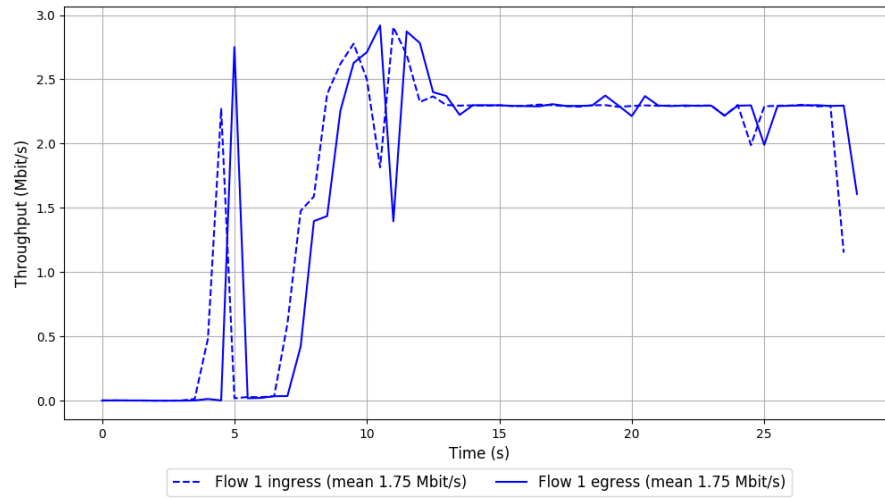


```
Run 1: Statistics of WebRTC media

Start at: 2018-07-17 21:43:56
End at: 2018-07-17 21:44:26
Local clock offset: 18.602 ms
Remote clock offset: 17.238 ms

# Below is generated by plot.py at 2018-07-18 02:44:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 110.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 110.730 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

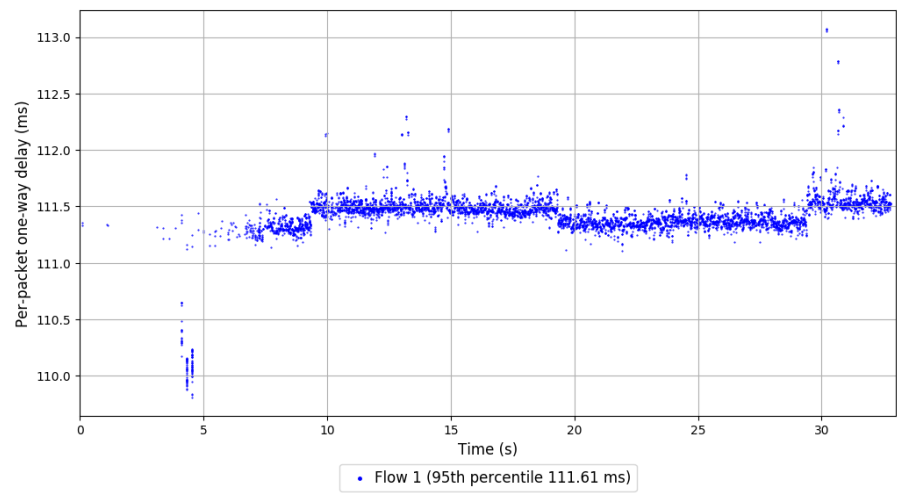
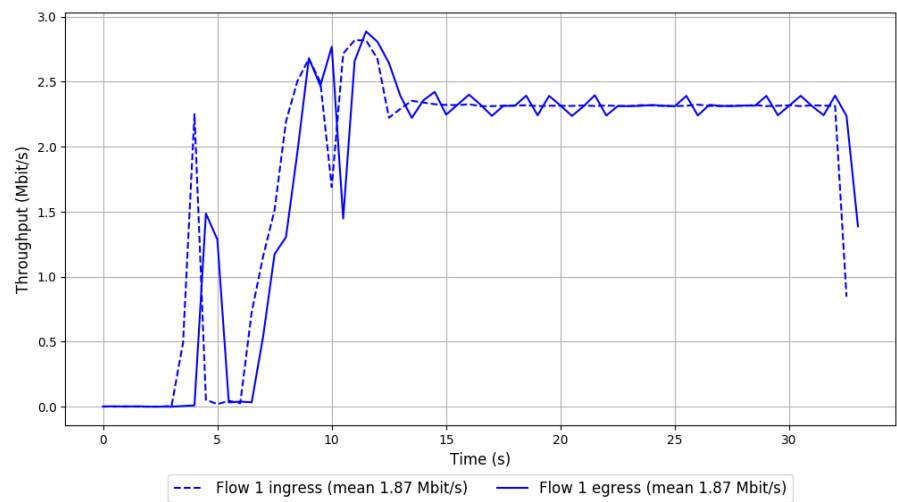


Run 2: Statistics of WebRTC media

Start at: 2018-07-17 22:06:04
End at: 2018-07-17 22:06:34
Local clock offset: 22.515 ms
Remote clock offset: 20.296 ms

Below is generated by plot.py at 2018-07-18 02:44:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 111.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 111.609 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

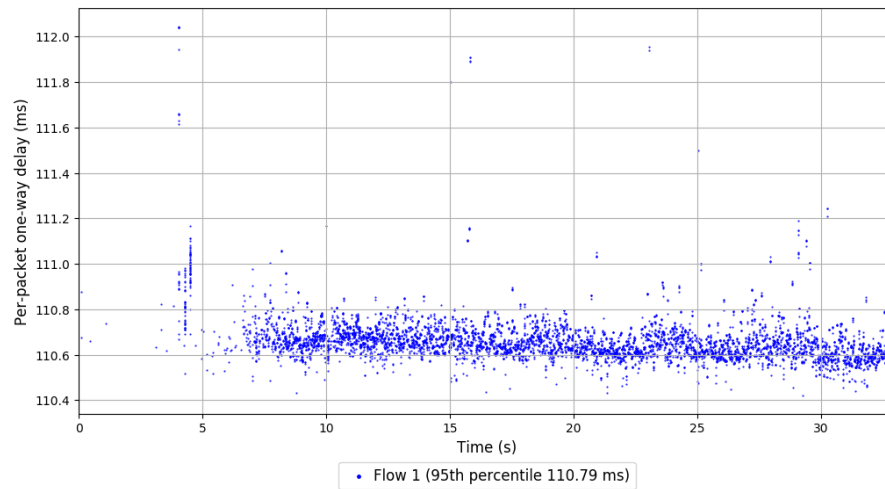
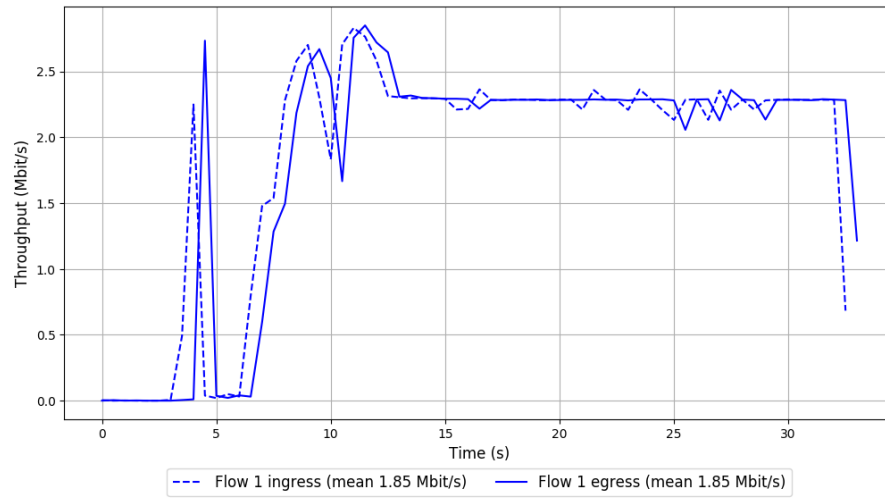


Run 3: Statistics of WebRTC media

Start at: 2018-07-17 22:28:36
End at: 2018-07-17 22:29:06
Local clock offset: 26.195 ms
Remote clock offset: 23.166 ms

Below is generated by plot.py at 2018-07-18 02:44:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 110.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 110.788 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

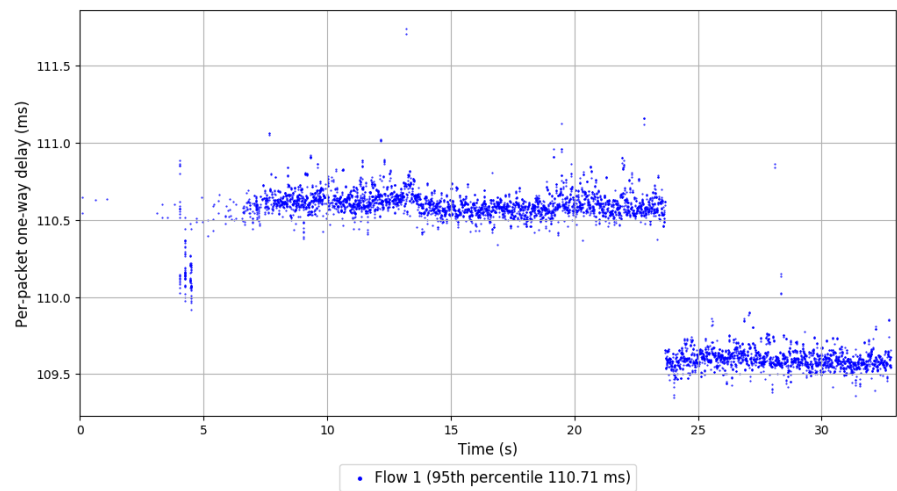
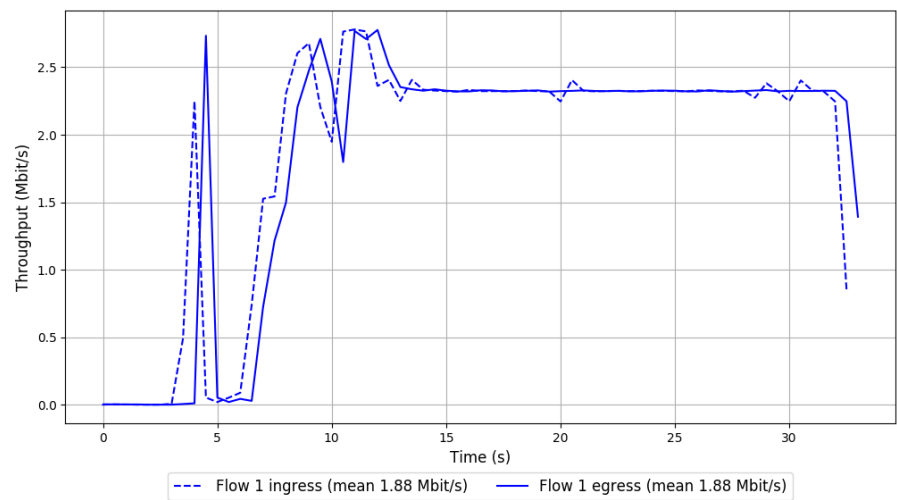


Run 4: Statistics of WebRTC media

Start at: 2018-07-17 22:51:12
End at: 2018-07-17 22:51:42
Local clock offset: 17.291 ms
Remote clock offset: 15.697 ms

Below is generated by plot.py at 2018-07-18 02:44:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 110.713 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 110.713 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-17 23:13:52

End at: 2018-07-17 23:14:22

Local clock offset: 3.78 ms

Remote clock offset: 7.236 ms

Below is generated by plot.py at 2018-07-18 02:44:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 111.454 ms

Loss rate: 0.00%

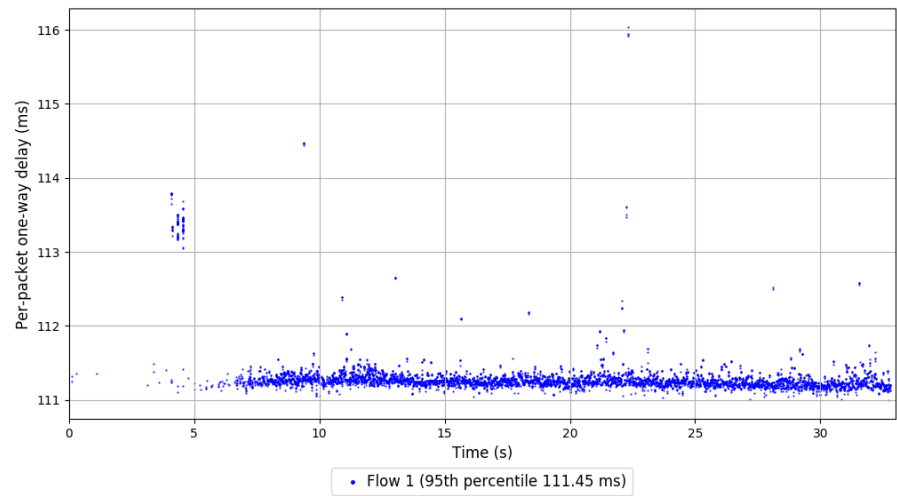
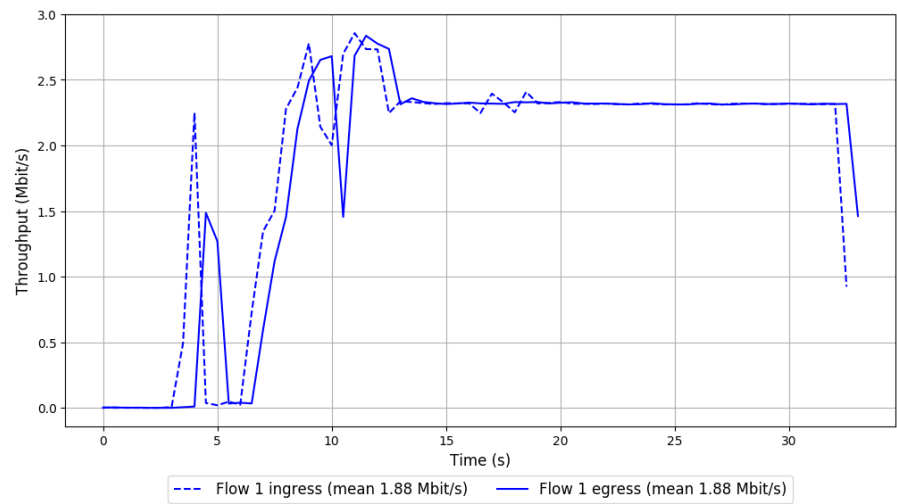
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 111.454 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-17 23:36:05

End at: 2018-07-17 23:36:35

Local clock offset: 3.01 ms

Remote clock offset: 6.009 ms

Below is generated by plot.py at 2018-07-18 02:44:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 111.510 ms

Loss rate: 0.00%

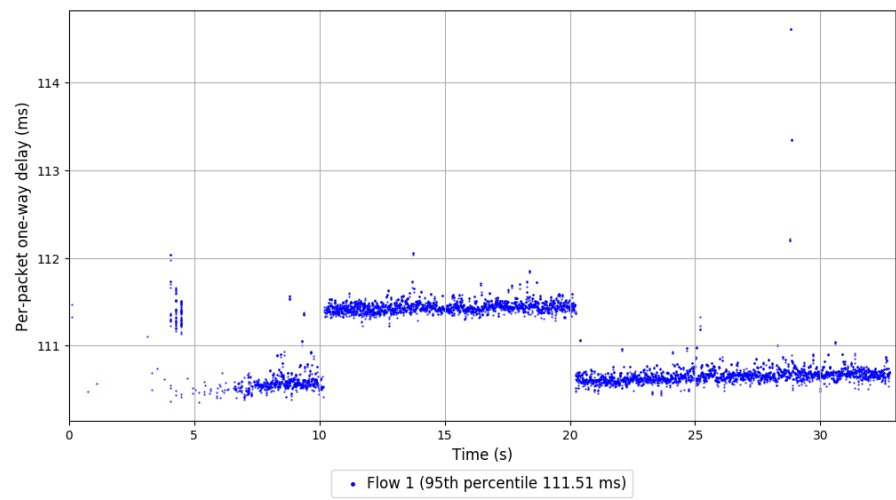
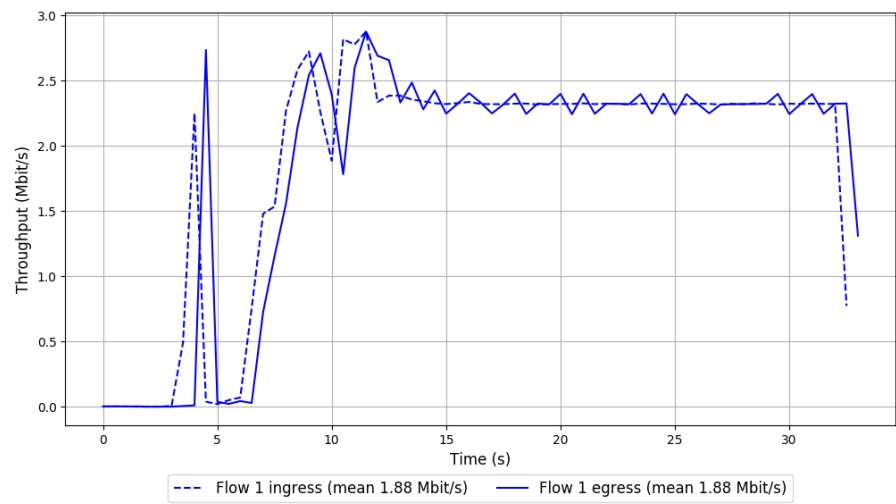
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 111.510 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-17 23:58:30

End at: 2018-07-17 23:59:00

Local clock offset: 0.255 ms

Remote clock offset: 3.456 ms

Below is generated by plot.py at 2018-07-18 02:44:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 112.537 ms

Loss rate: 0.00%

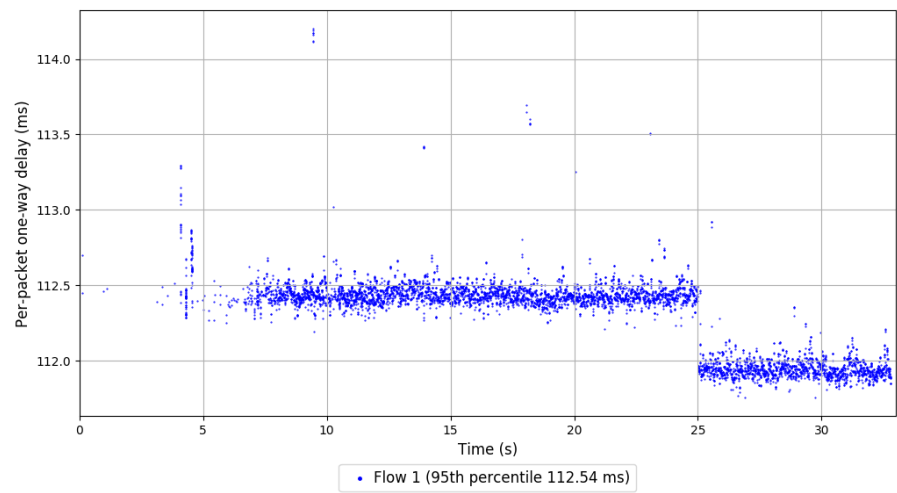
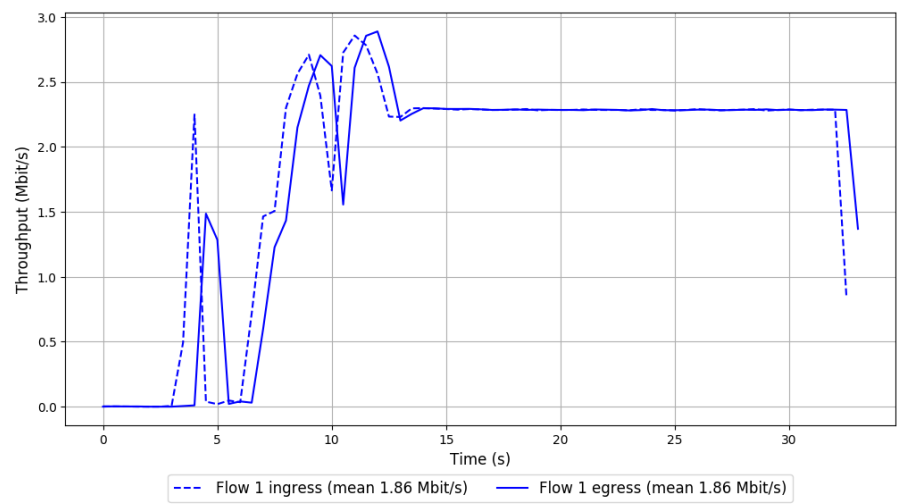
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 112.537 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-18 00:20:49

End at: 2018-07-18 00:21:19

Local clock offset: 0.675 ms

Remote clock offset: 1.035 ms

Below is generated by plot.py at 2018-07-18 02:44:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 111.583 ms

Loss rate: 0.00%

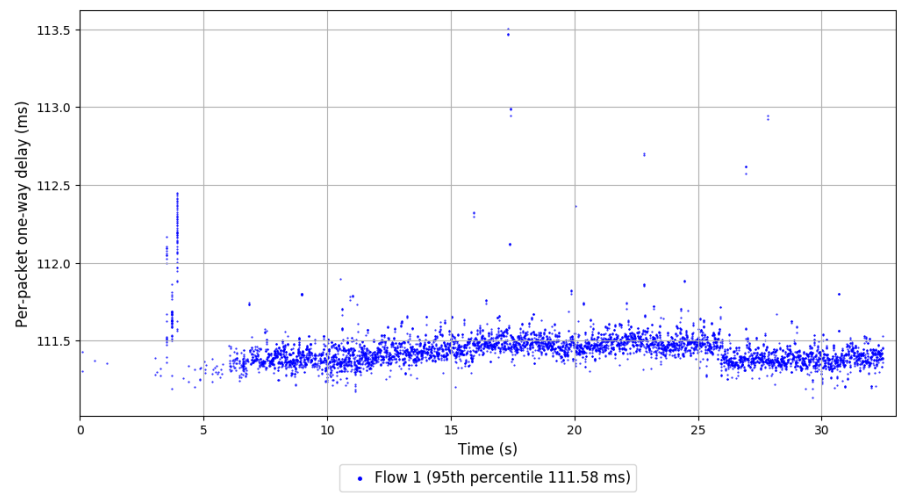
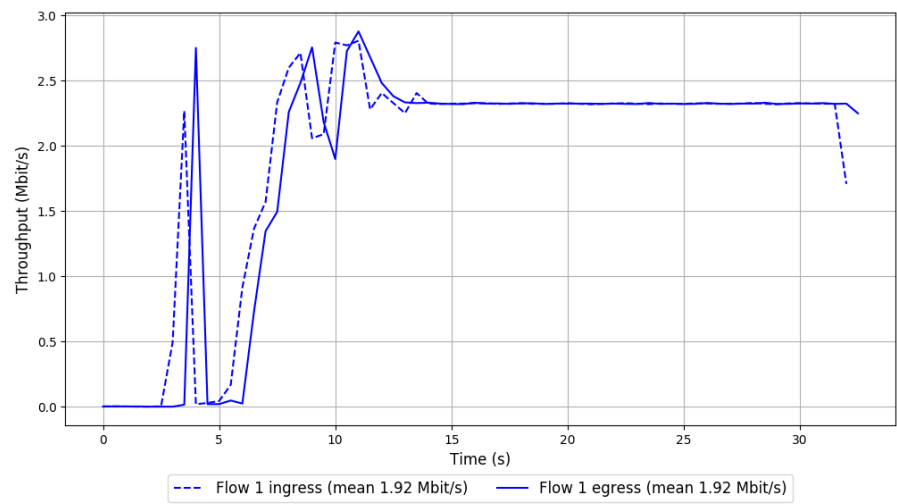
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 111.583 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-18 00:43:07

End at: 2018-07-18 00:43:37

Local clock offset: 0.549 ms

Remote clock offset: 0.955 ms

Below is generated by plot.py at 2018-07-18 02:44:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 112.280 ms

Loss rate: 0.00%

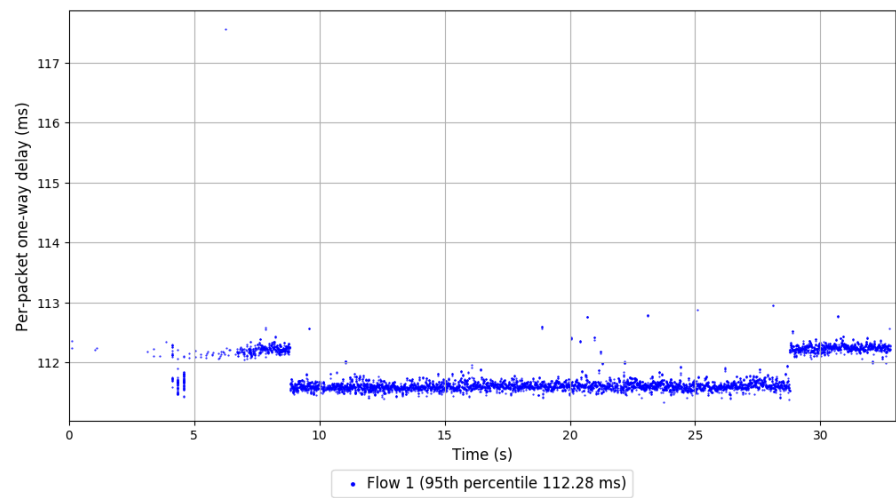
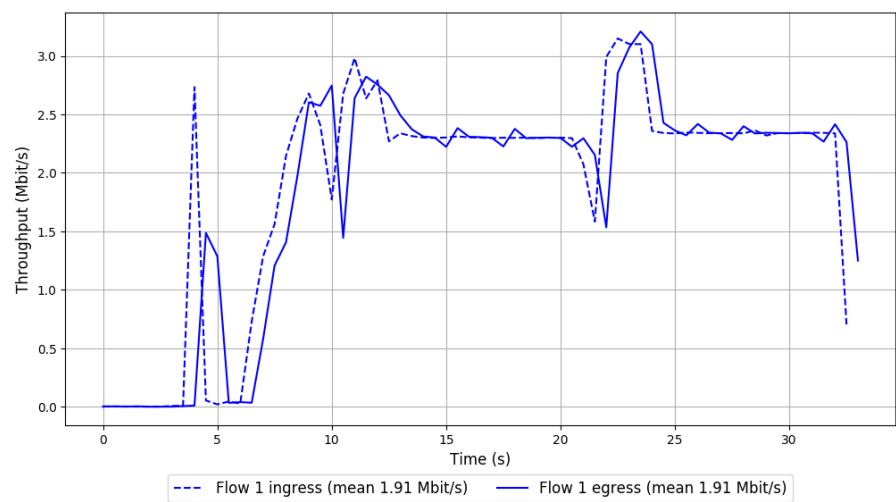
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 112.280 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 01:05:34

End at: 2018-07-18 01:06:04

Local clock offset: 0.102 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-07-18 02:44:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 111.527 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 111.527 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

