

Pantheon Report

Generated at 2018-06-19 22:08:52 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

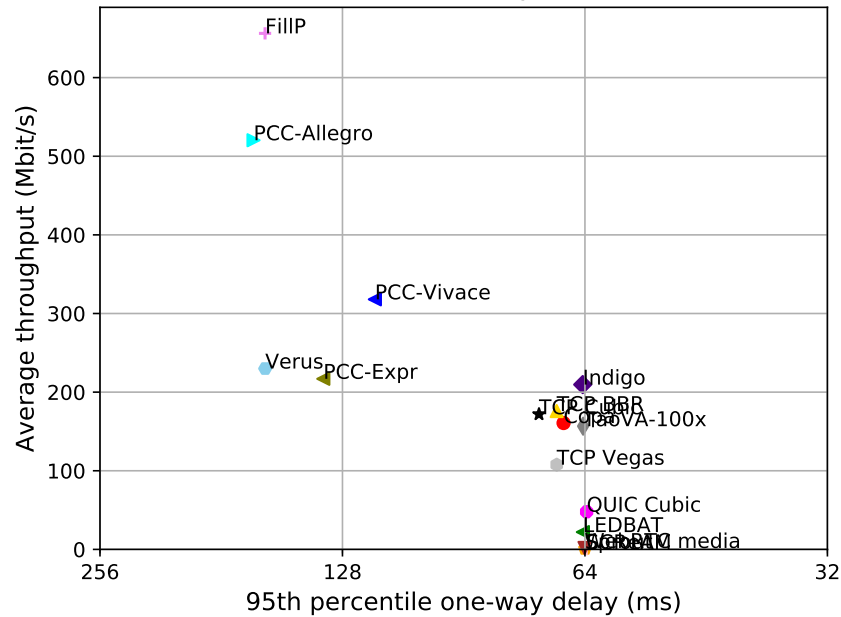
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

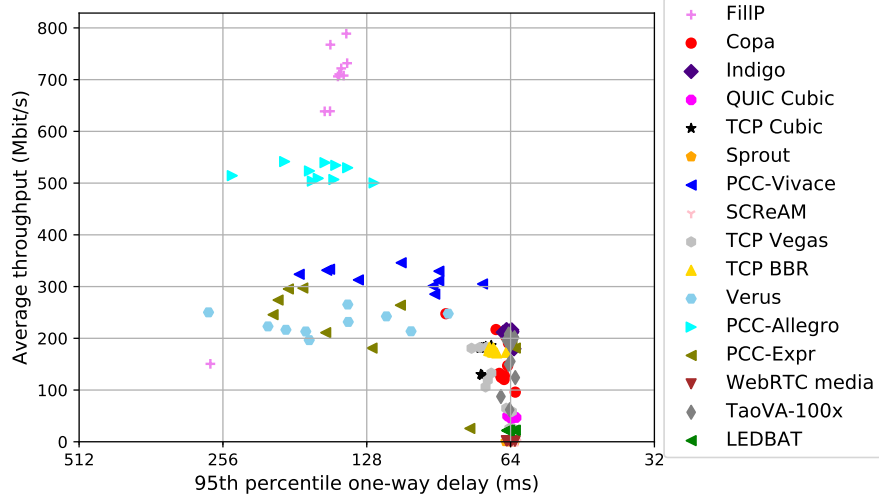
Git summary:

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

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



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



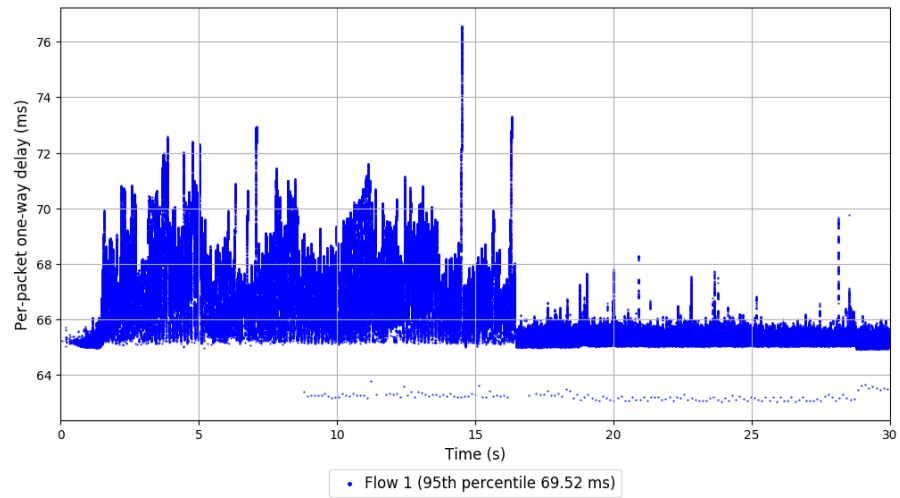
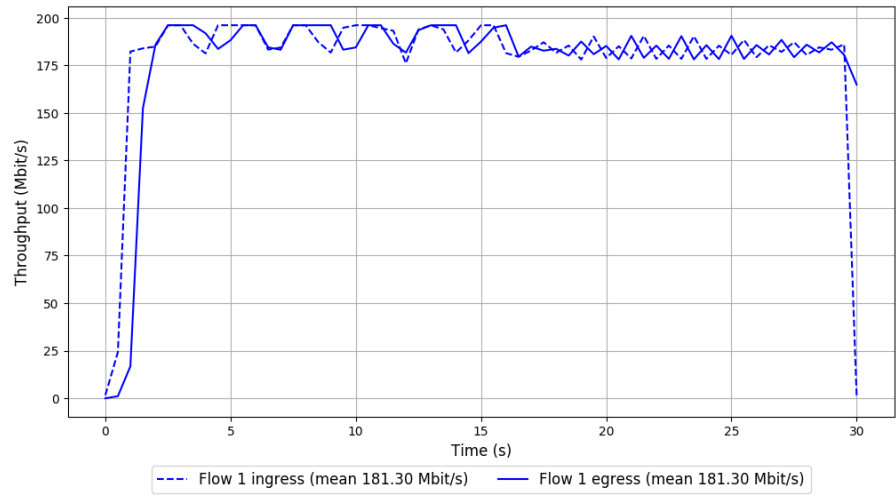
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	175.96	69.38	0.44
Copa	10	160.71	68.03	0.46
TCP Cubic	10	171.90	72.98	0.45
FillP	10	656.25	159.71	5.43
Indigo	10	209.61	64.41	0.45
LEDBAT	10	22.03	64.38	0.84
PCC-Allegro	10	520.34	165.05	1.91
PCC-Expr	10	216.93	135.21	2.09
QUIC Cubic	9	47.92	63.69	0.66
SCReAM	10	0.22	63.76	0.39
Sprout	10	0.82	64.00	0.32
TaoVA-100x	10	156.70	64.33	0.51
TCP Vegas	10	107.73	69.38	0.40
Verus	10	230.00	159.65	1.97
PCC-Vivace	10	318.00	116.68	0.62
WebRTC media	10	1.83	64.08	0.51

Run 1: Statistics of TCP BBR

Start at: 2018-06-19 17:17:13
End at: 2018-06-19 17:17:43
Local clock offset: -0.056 ms
Remote clock offset: -1.639 ms

Below is generated by plot.py at 2018-06-19 20:40:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.30 Mbit/s
95th percentile per-packet one-way delay: 69.520 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 181.30 Mbit/s
95th percentile per-packet one-way delay: 69.520 ms
Loss rate: 0.43%

Run 1: Report of TCP BBR — Data Link

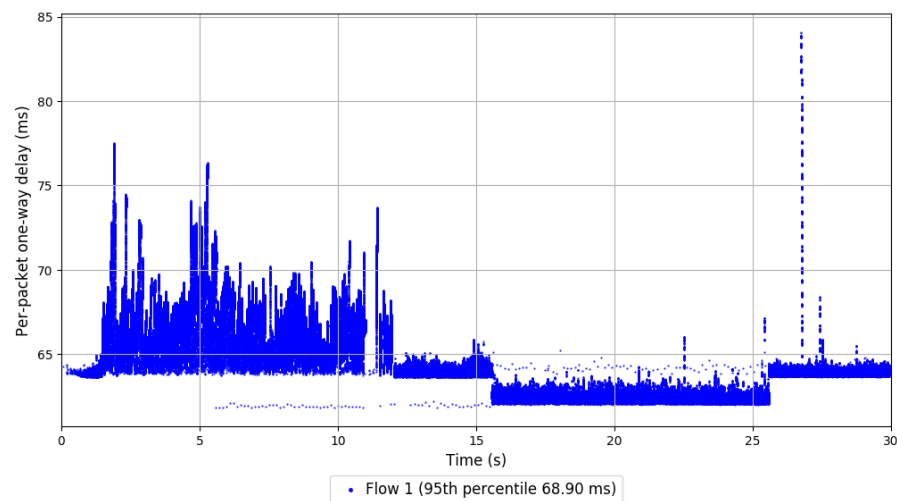
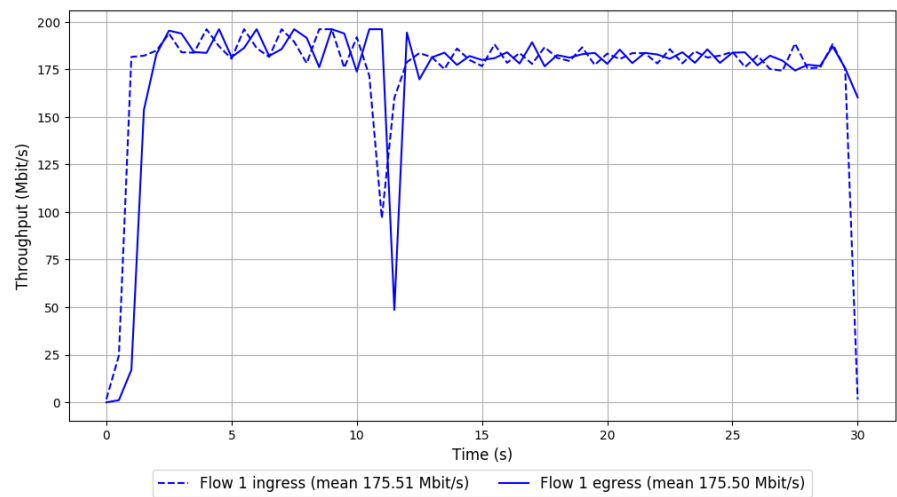


Run 2: Statistics of TCP BBR

Start at: 2018-06-19 17:37:16
End at: 2018-06-19 17:37:46
Local clock offset: -0.019 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-06-19 20:40:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.50 Mbit/s
95th percentile per-packet one-way delay: 68.904 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 175.50 Mbit/s
95th percentile per-packet one-way delay: 68.904 ms
Loss rate: 0.44%

Run 2: Report of TCP BBR — Data Link

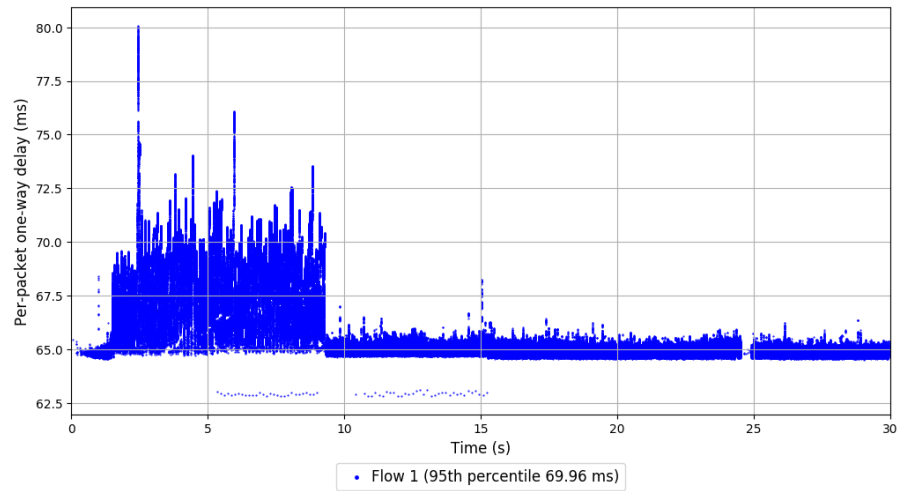
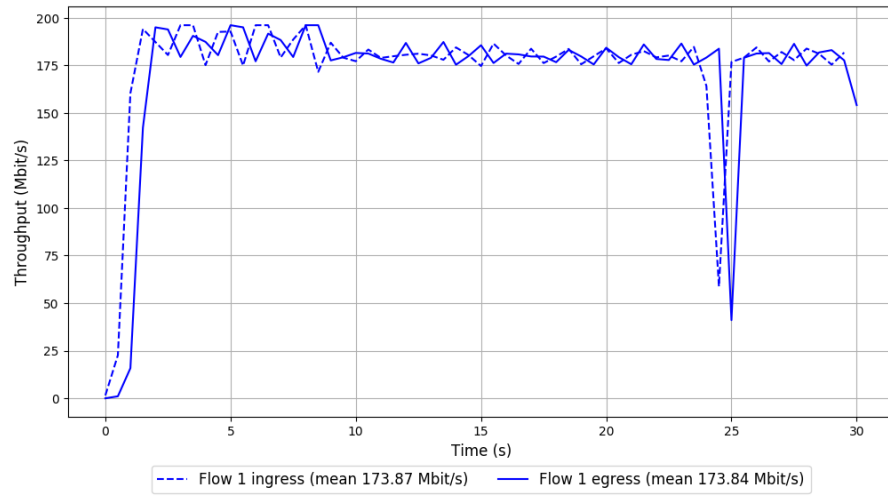


Run 3: Statistics of TCP BBR

Start at: 2018-06-19 17:57:46
End at: 2018-06-19 17:58:16
Local clock offset: 0.003 ms
Remote clock offset: -1.356 ms

Below is generated by plot.py at 2018-06-19 20:40:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.84 Mbit/s
95th percentile per-packet one-way delay: 69.961 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 173.84 Mbit/s
95th percentile per-packet one-way delay: 69.961 ms
Loss rate: 0.47%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

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

End at: 2018-06-19 18:18:54

Local clock offset: 0.084 ms

Remote clock offset: -1.212 ms

Below is generated by plot.py at 2018-06-19 20:40:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.87 Mbit/s

95th percentile per-packet one-way delay: 70.632 ms

Loss rate: 0.39%

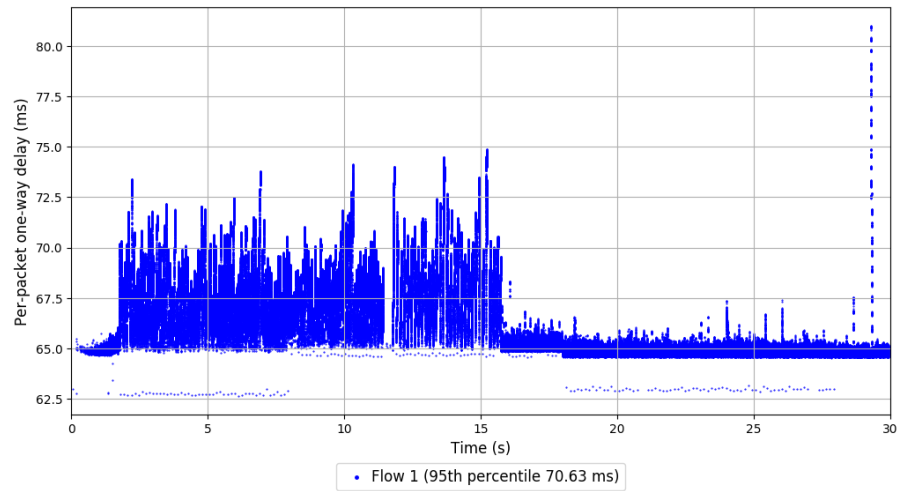
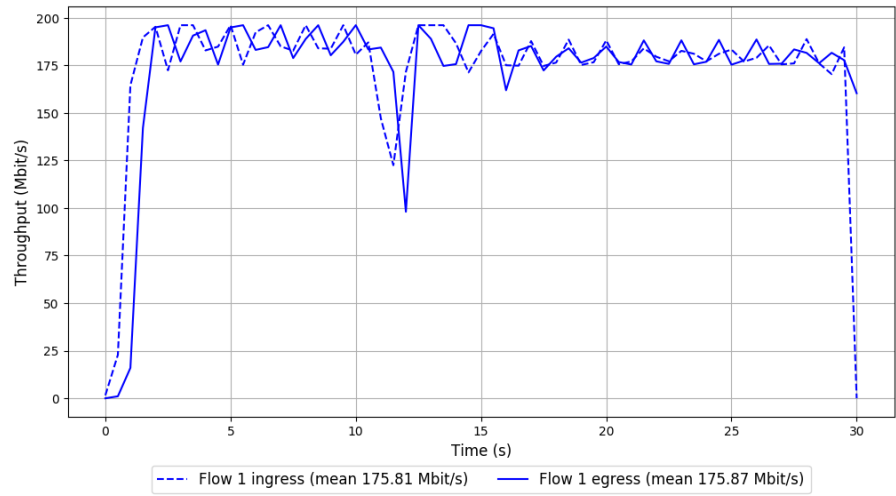
-- Flow 1:

Average throughput: 175.87 Mbit/s

95th percentile per-packet one-way delay: 70.632 ms

Loss rate: 0.39%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-19 18:38:29

End at: 2018-06-19 18:38:59

Local clock offset: -0.089 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-06-19 20:40:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.80 Mbit/s

95th percentile per-packet one-way delay: 68.404 ms

Loss rate: 0.48%

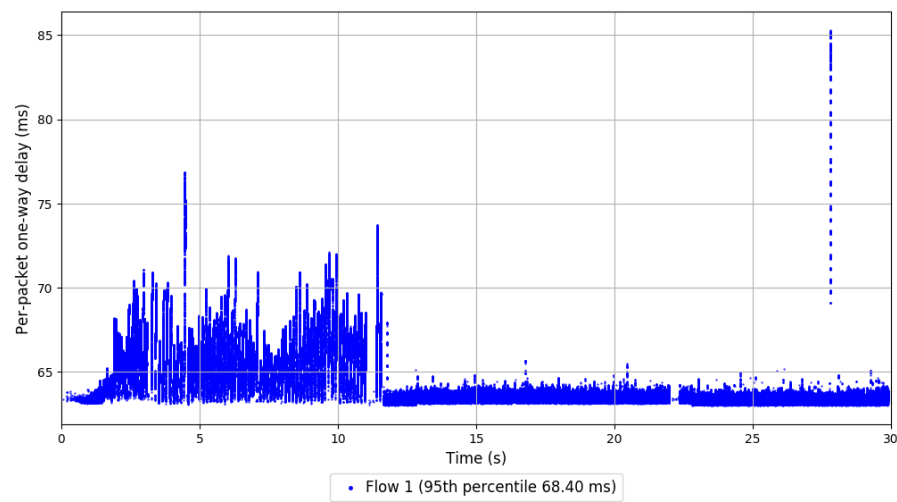
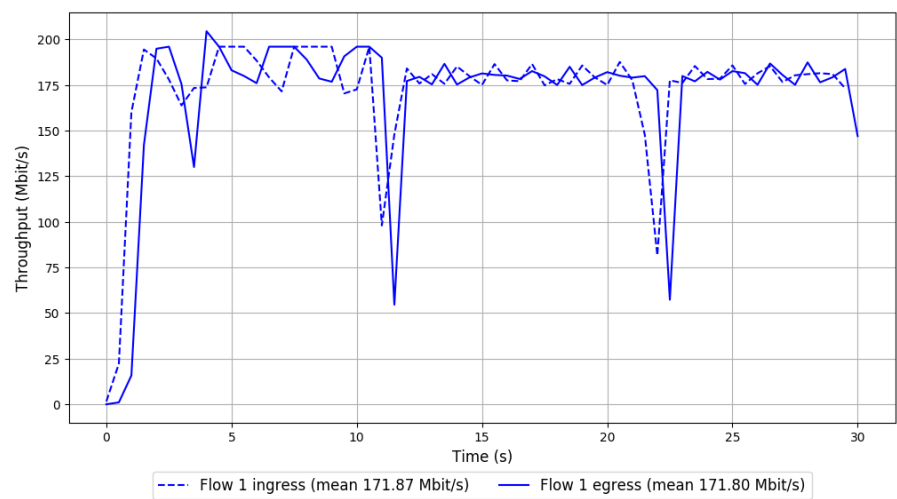
-- Flow 1:

Average throughput: 171.80 Mbit/s

95th percentile per-packet one-way delay: 68.404 ms

Loss rate: 0.48%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-19 18:58:56

End at: 2018-06-19 18:59:26

Local clock offset: -0.079 ms

Remote clock offset: 0.959 ms

Below is generated by plot.py at 2018-06-19 20:40:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.97 Mbit/s

95th percentile per-packet one-way delay: 65.357 ms

Loss rate: 0.47%

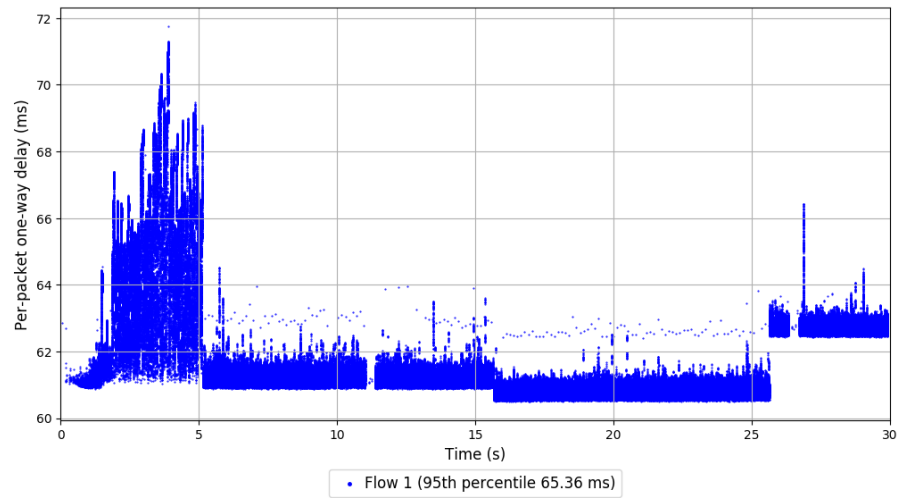
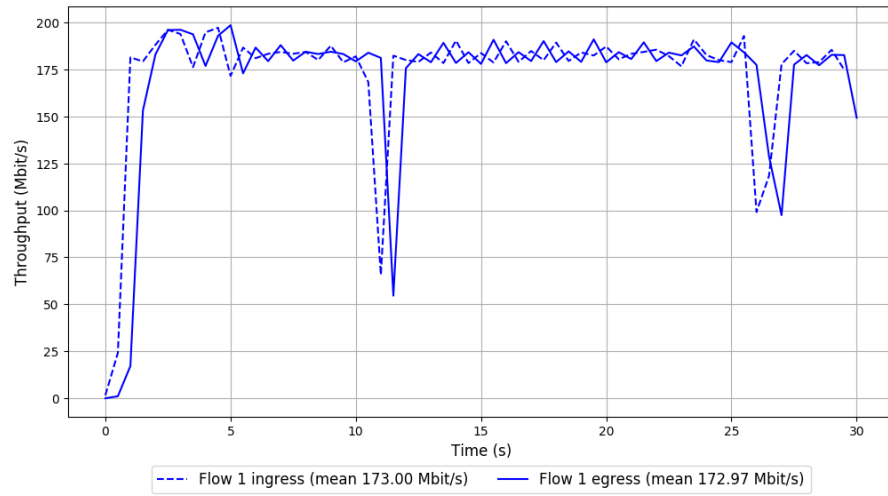
-- Flow 1:

Average throughput: 172.97 Mbit/s

95th percentile per-packet one-way delay: 65.357 ms

Loss rate: 0.47%

Run 6: Report of TCP BBR — Data Link

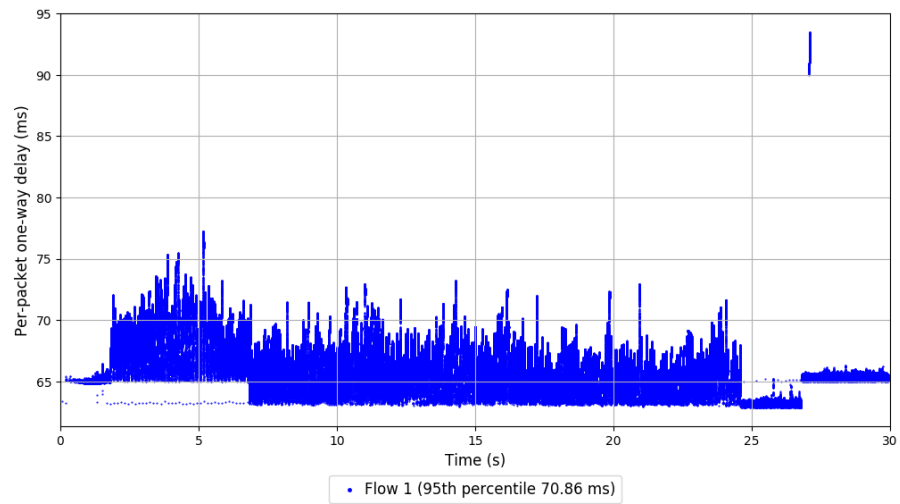
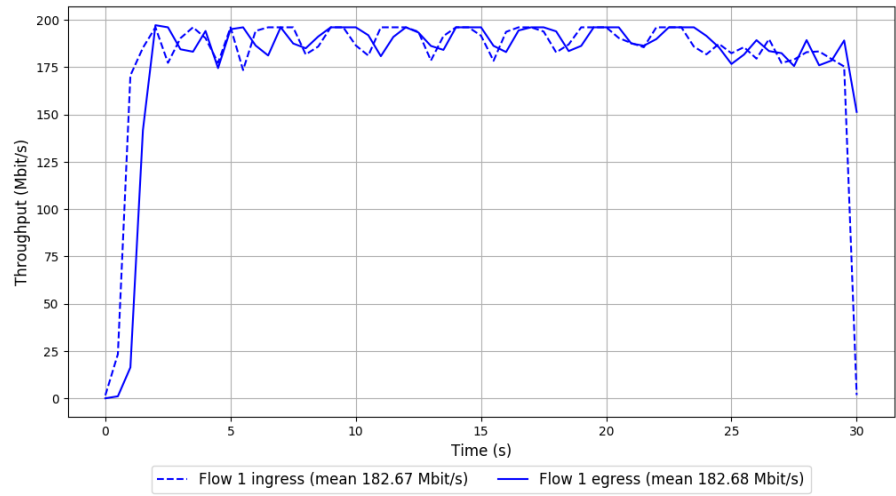


Run 7: Statistics of TCP BBR

Start at: 2018-06-19 19:19:25
End at: 2018-06-19 19:19:55
Local clock offset: 0.103 ms
Remote clock offset: -1.556 ms

Below is generated by plot.py at 2018-06-19 20:40:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.68 Mbit/s
95th percentile per-packet one-way delay: 70.856 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 182.68 Mbit/s
95th percentile per-packet one-way delay: 70.856 ms
Loss rate: 0.41%

Run 7: Report of TCP BBR — Data Link

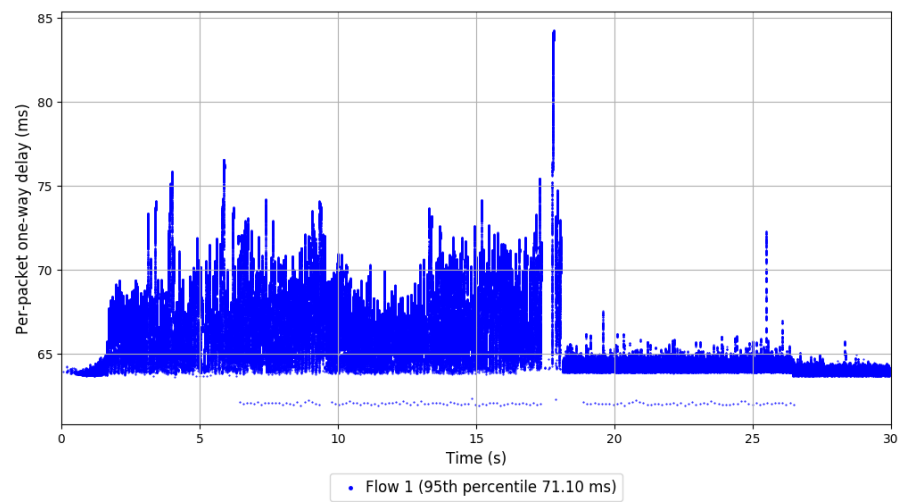
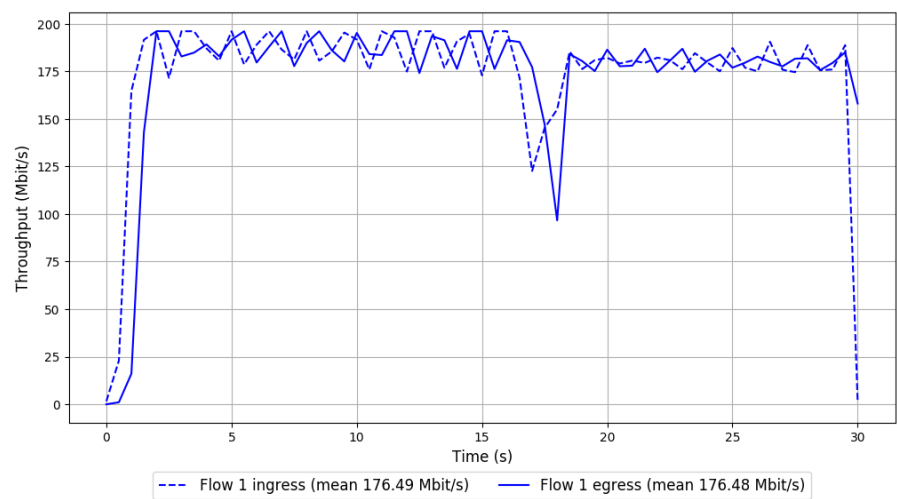


Run 8: Statistics of TCP BBR

Start at: 2018-06-19 19:39:55
End at: 2018-06-19 19:40:25
Local clock offset: 0.062 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-06-19 20:40:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.48 Mbit/s
95th percentile per-packet one-way delay: 71.100 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 176.48 Mbit/s
95th percentile per-packet one-way delay: 71.100 ms
Loss rate: 0.45%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-19 20:00:34

End at: 2018-06-19 20:01:04

Local clock offset: -0.092 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-06-19 20:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.31 Mbit/s

95th percentile per-packet one-way delay: 69.463 ms

Loss rate: 0.44%

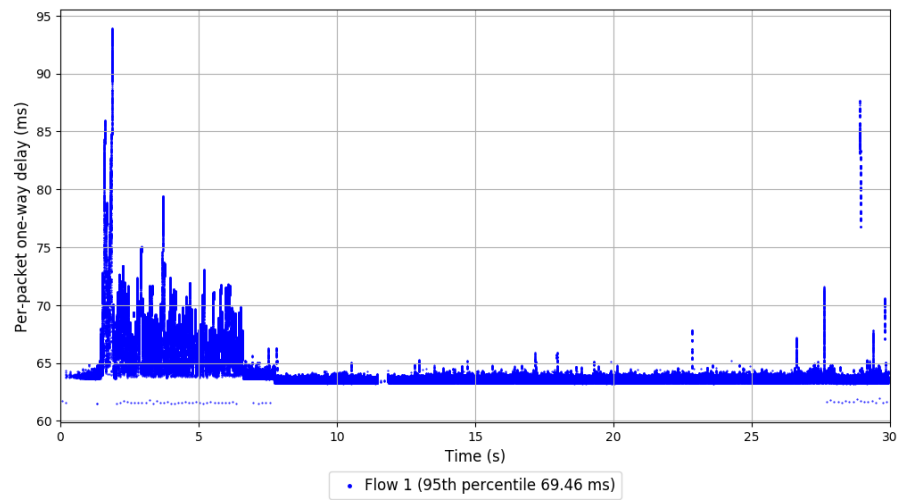
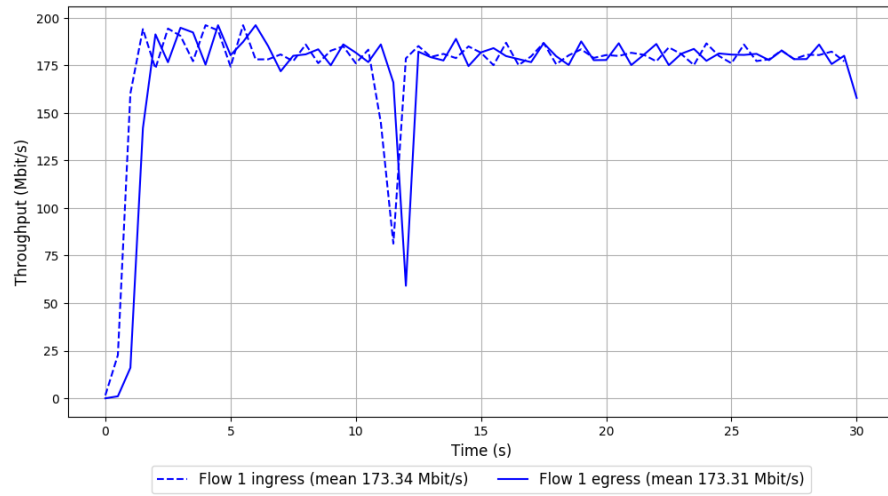
-- Flow 1:

Average throughput: 173.31 Mbit/s

95th percentile per-packet one-way delay: 69.463 ms

Loss rate: 0.44%

Run 9: Report of TCP BBR — Data Link

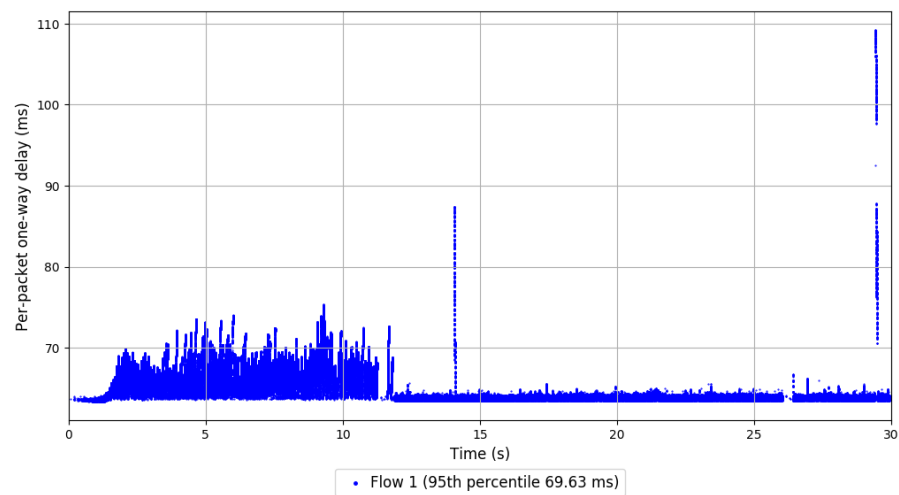
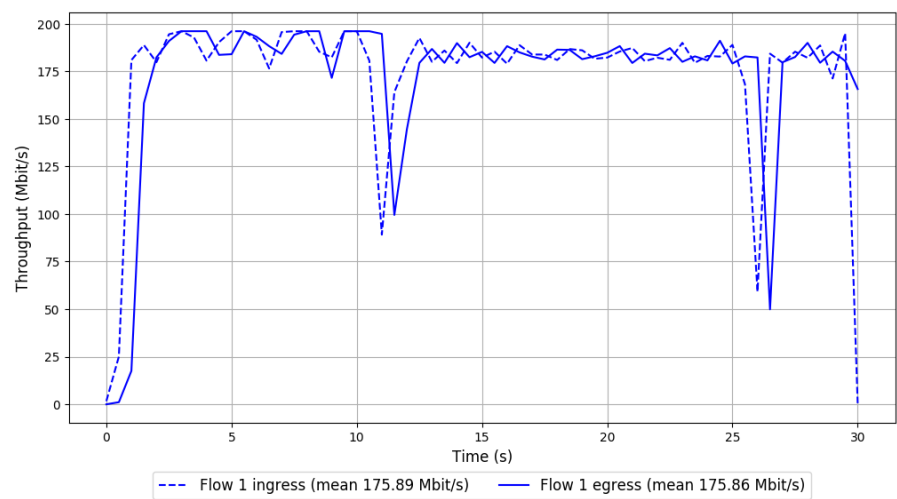


Run 10: Statistics of TCP BBR

Start at: 2018-06-19 20:21:10
End at: 2018-06-19 20:21:40
Local clock offset: 0.096 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-06-19 20:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.86 Mbit/s
95th percentile per-packet one-way delay: 69.631 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 175.86 Mbit/s
95th percentile per-packet one-way delay: 69.631 ms
Loss rate: 0.44%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-19 17:13:19

End at: 2018-06-19 17:13:49

Local clock offset: -0.072 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-06-19 20:48:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.42 Mbit/s

95th percentile per-packet one-way delay: 65.595 ms

Loss rate: 0.46%

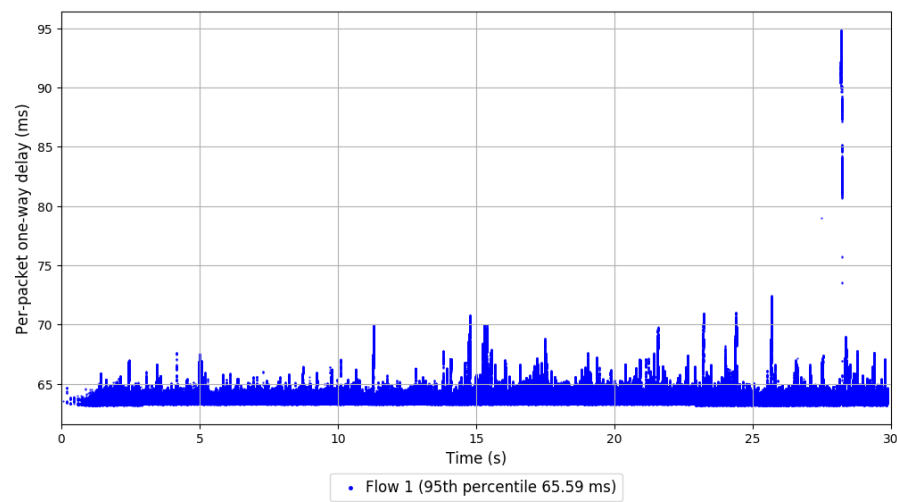
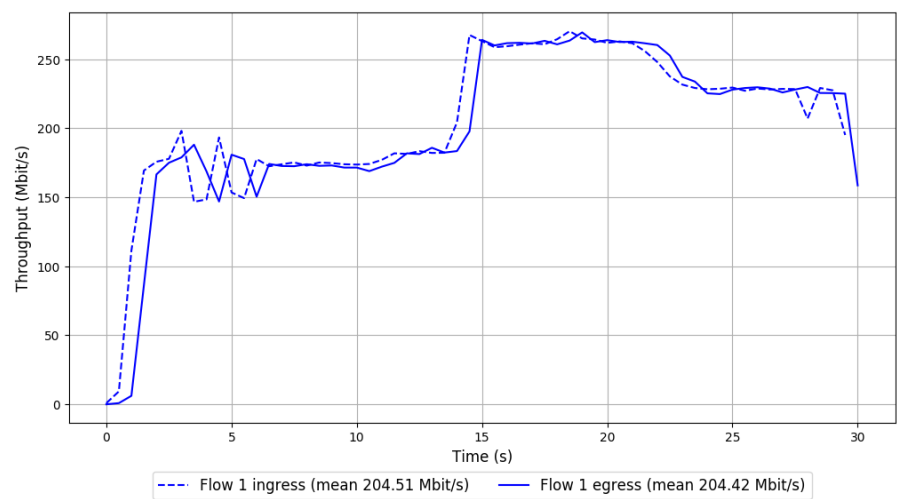
-- Flow 1:

Average throughput: 204.42 Mbit/s

95th percentile per-packet one-way delay: 65.595 ms

Loss rate: 0.46%

Run 1: Report of Copa — Data Link

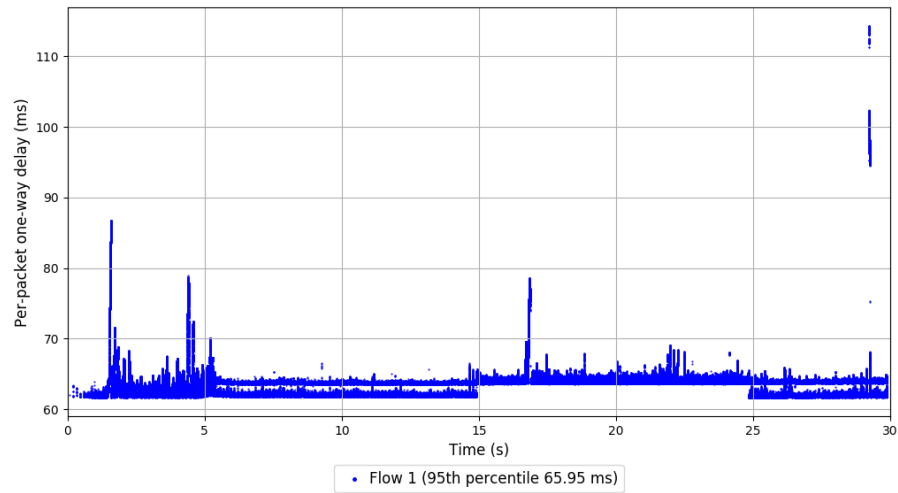
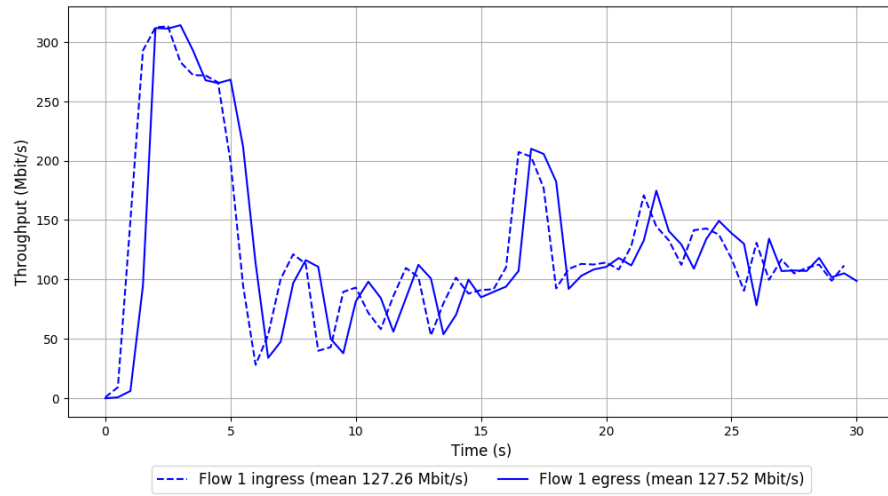


Run 2: Statistics of Copa

Start at: 2018-06-19 17:33:37
End at: 2018-06-19 17:34:07
Local clock offset: 0.003 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-06-19 20:48:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.52 Mbit/s
95th percentile per-packet one-way delay: 65.955 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 127.52 Mbit/s
95th percentile per-packet one-way delay: 65.955 ms
Loss rate: 0.30%

Run 2: Report of Copa — Data Link

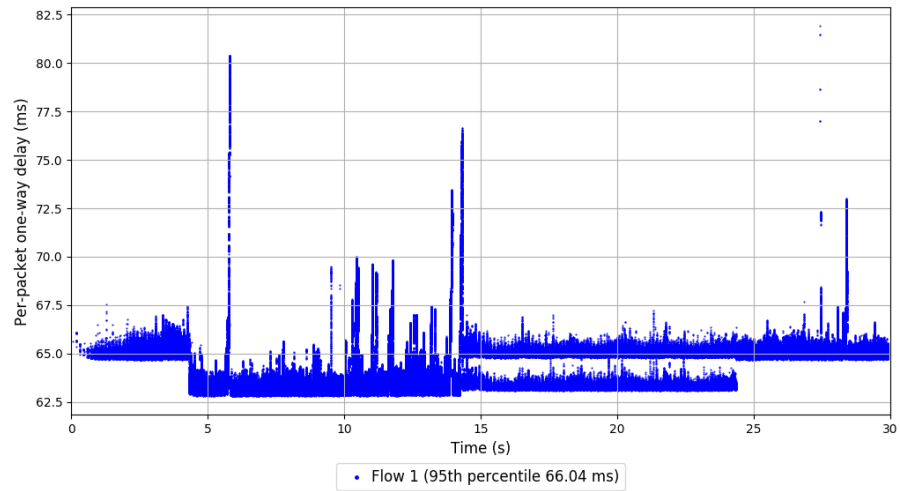
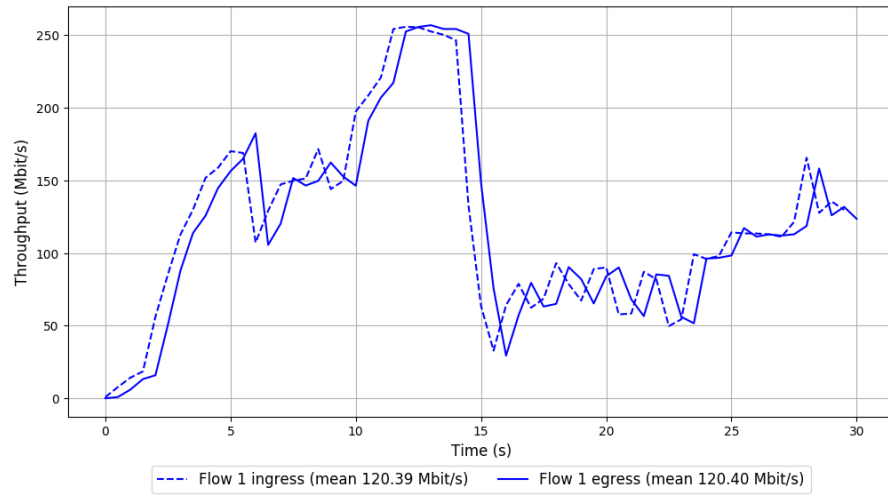


Run 3: Statistics of Copa

Start at: 2018-06-19 17:53:57
End at: 2018-06-19 17:54:27
Local clock offset: -0.026 ms
Remote clock offset: -1.531 ms

Below is generated by plot.py at 2018-06-19 20:48:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.40 Mbit/s
95th percentile per-packet one-way delay: 66.038 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 120.40 Mbit/s
95th percentile per-packet one-way delay: 66.038 ms
Loss rate: 0.42%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-19 18:14:31

End at: 2018-06-19 18:15:01

Local clock offset: 0.092 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-06-19 20:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.93 Mbit/s

95th percentile per-packet one-way delay: 68.656 ms

Loss rate: 0.44%

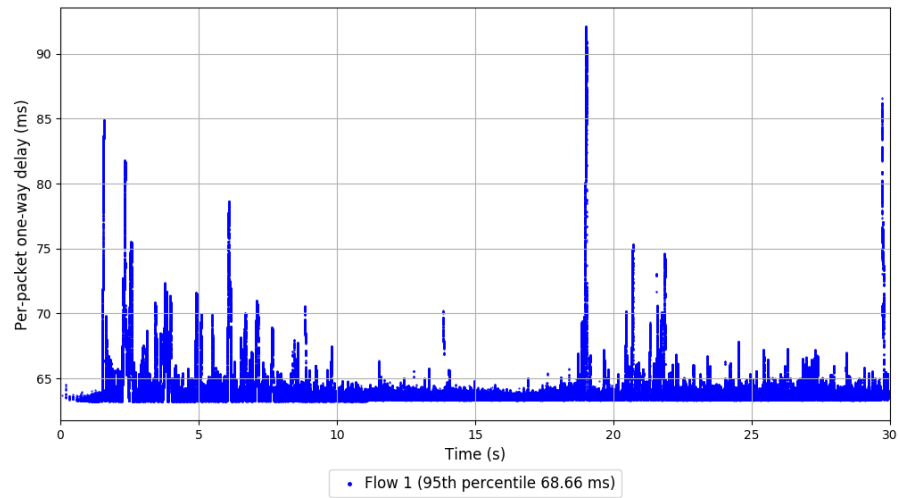
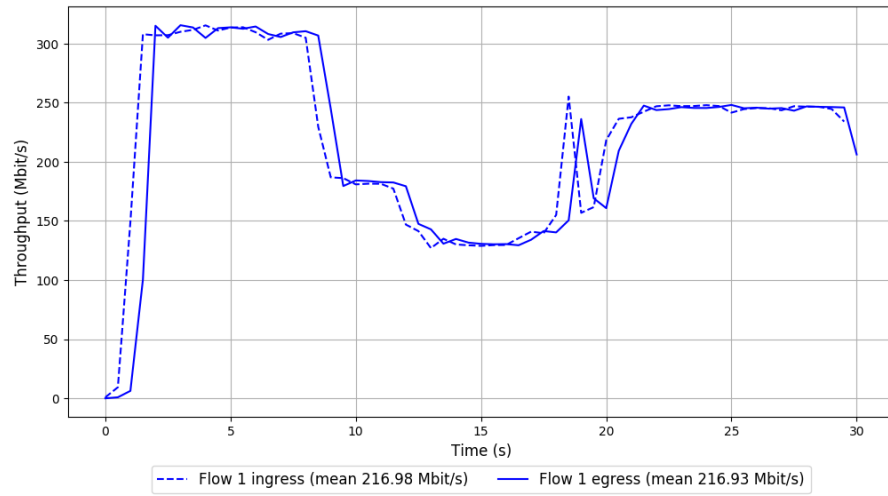
-- Flow 1:

Average throughput: 216.93 Mbit/s

95th percentile per-packet one-way delay: 68.656 ms

Loss rate: 0.44%

Run 4: Report of Copa — Data Link

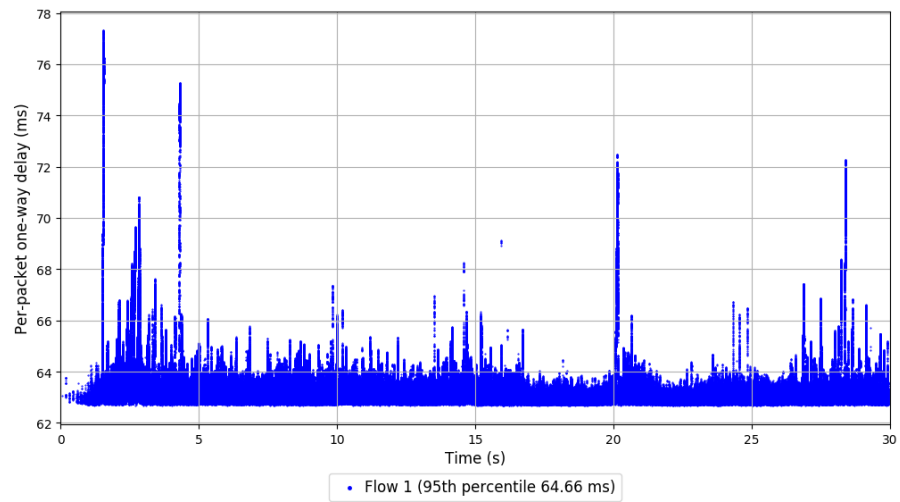
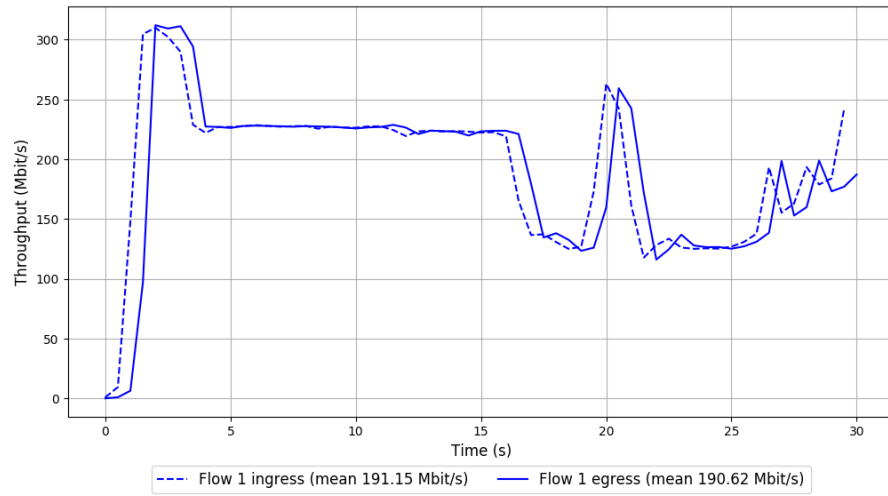


Run 5: Statistics of Copa

Start at: 2018-06-19 18:34:33
End at: 2018-06-19 18:35:03
Local clock offset: -0.04 ms
Remote clock offset: -1.366 ms

Below is generated by plot.py at 2018-06-19 20:48:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.62 Mbit/s
95th percentile per-packet one-way delay: 64.657 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 190.62 Mbit/s
95th percentile per-packet one-way delay: 64.657 ms
Loss rate: 0.69%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-19 18:55:14

End at: 2018-06-19 18:55:44

Local clock offset: -0.103 ms

Remote clock offset: 1.169 ms

Below is generated by plot.py at 2018-06-19 20:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.52 Mbit/s

95th percentile per-packet one-way delay: 66.980 ms

Loss rate: 0.35%

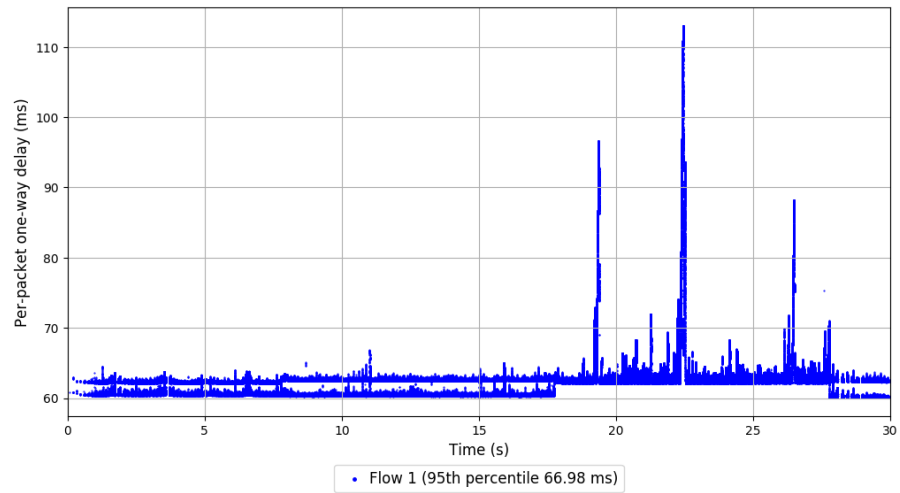
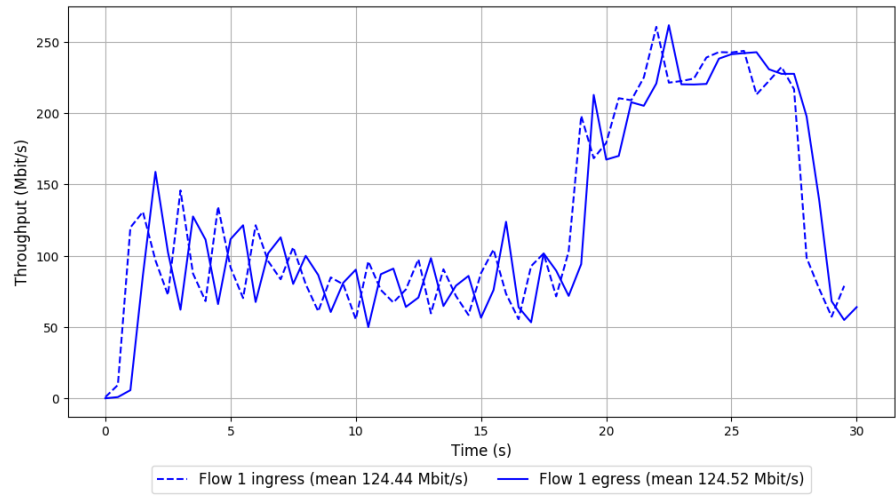
-- Flow 1:

Average throughput: 124.52 Mbit/s

95th percentile per-packet one-way delay: 66.980 ms

Loss rate: 0.35%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-19 19:15:36

End at: 2018-06-19 19:16:06

Local clock offset: 0.062 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-06-19 20:52:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.53 Mbit/s

95th percentile per-packet one-way delay: 87.427 ms

Loss rate: 0.30%

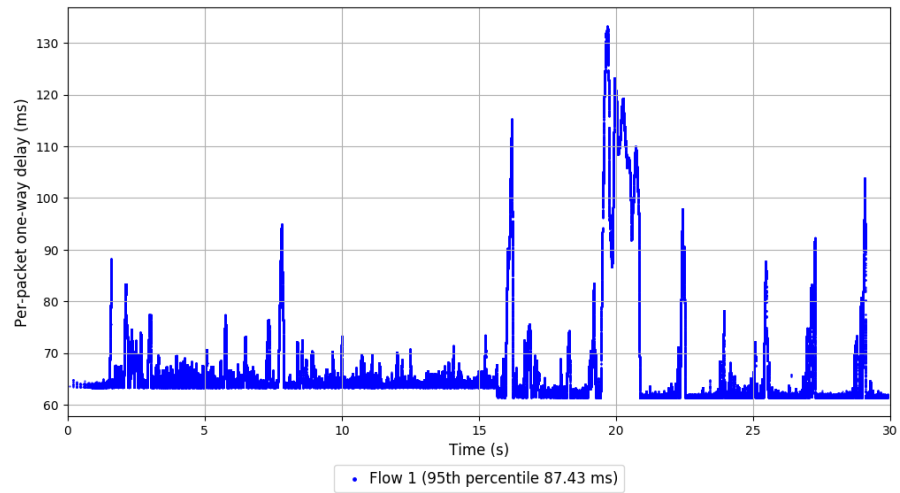
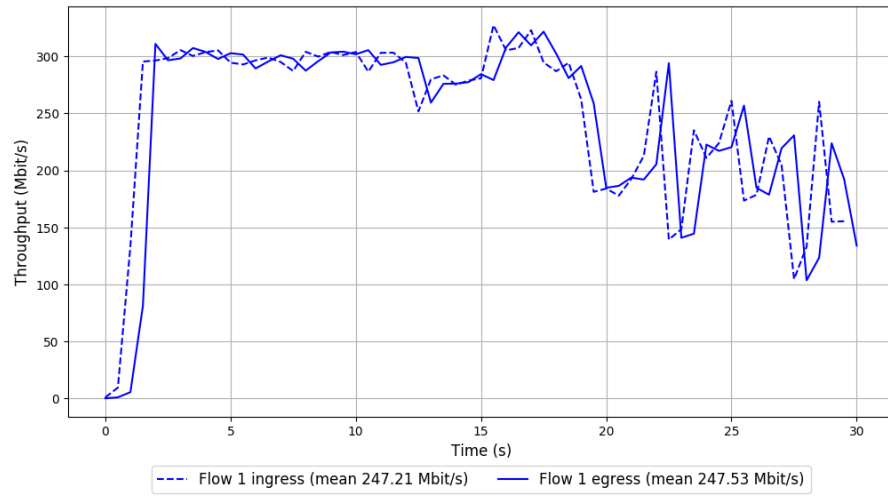
-- Flow 1:

Average throughput: 247.53 Mbit/s

95th percentile per-packet one-way delay: 87.427 ms

Loss rate: 0.30%

Run 7: Report of Copa — Data Link

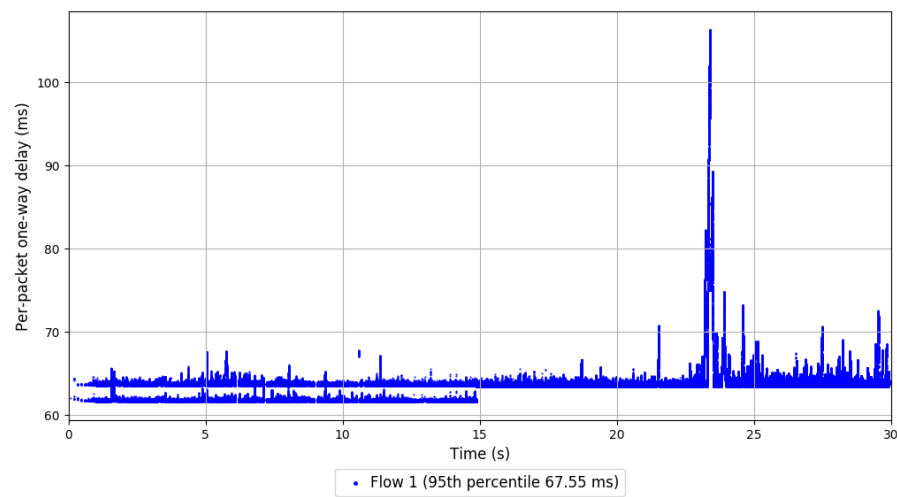
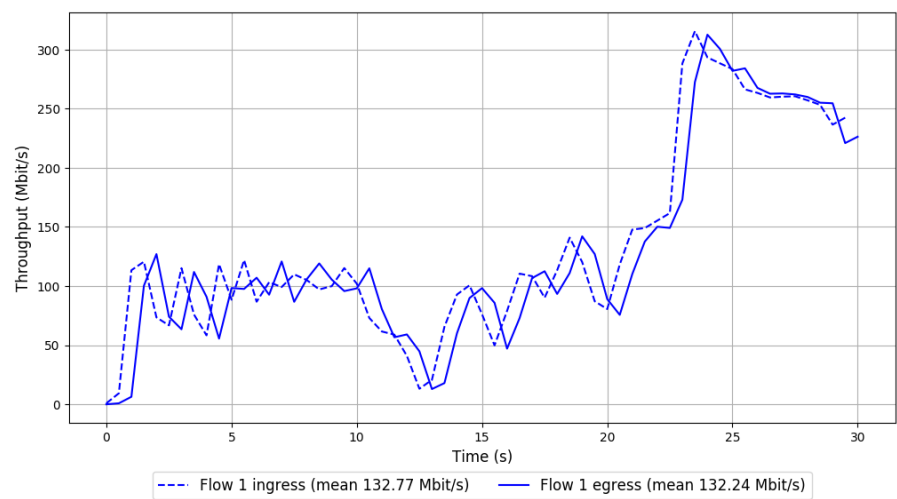


Run 8: Statistics of Copa

Start at: 2018-06-19 19:36:07
End at: 2018-06-19 19:36:37
Local clock offset: 0.111 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-06-19 20:52:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.24 Mbit/s
95th percentile per-packet one-way delay: 67.550 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 132.24 Mbit/s
95th percentile per-packet one-way delay: 67.550 ms
Loss rate: 0.82%

Run 8: Report of Copa — Data Link

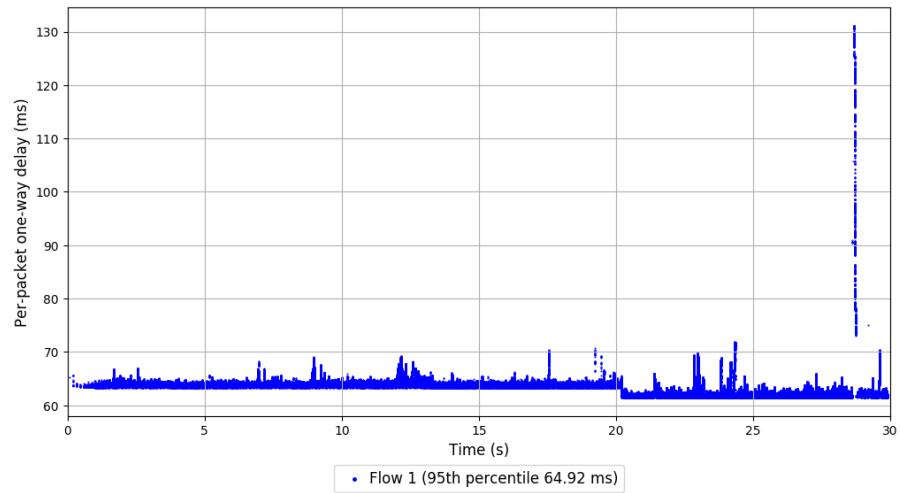
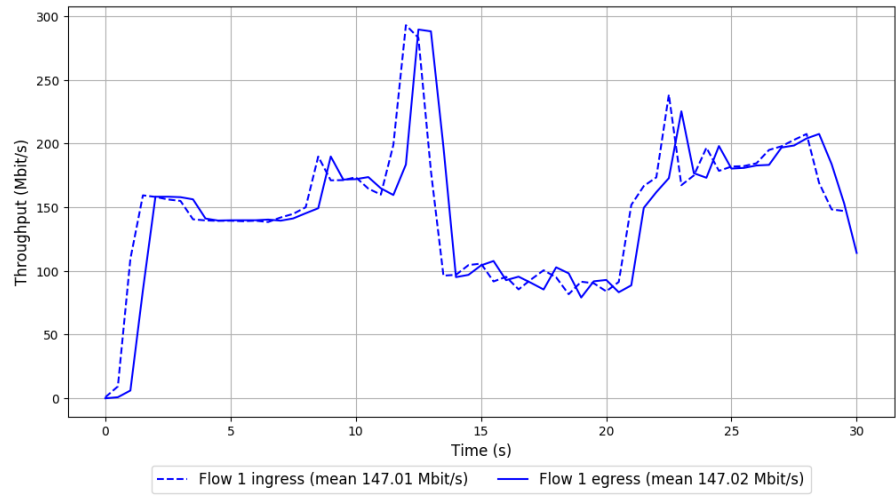


Run 9: Statistics of Copa

Start at: 2018-06-19 19:56:41
End at: 2018-06-19 19:57:11
Local clock offset: -0.119 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-06-19 20:52:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.02 Mbit/s
95th percentile per-packet one-way delay: 64.922 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 147.02 Mbit/s
95th percentile per-packet one-way delay: 64.922 ms
Loss rate: 0.42%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-19 20:17:25

End at: 2018-06-19 20:17:55

Local clock offset: 0.021 ms

Remote clock offset: 1.163 ms

Below is generated by plot.py at 2018-06-19 20:52:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 62.567 ms

Loss rate: 0.41%

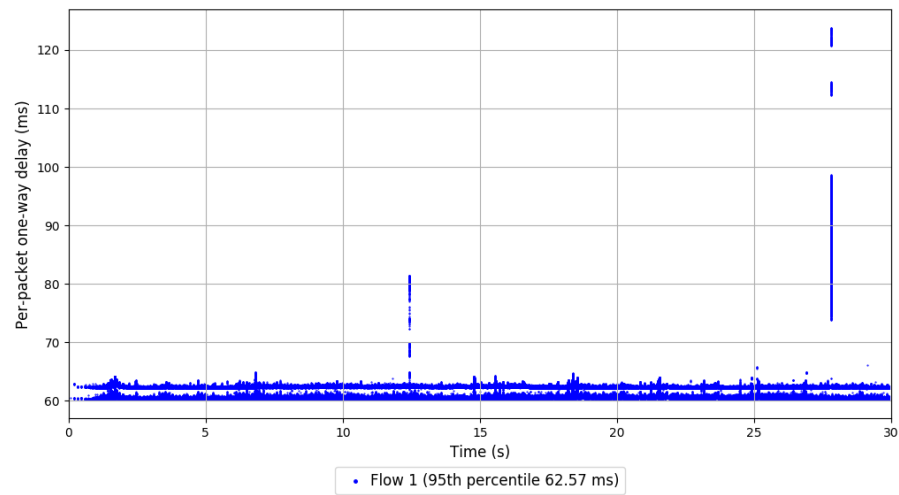
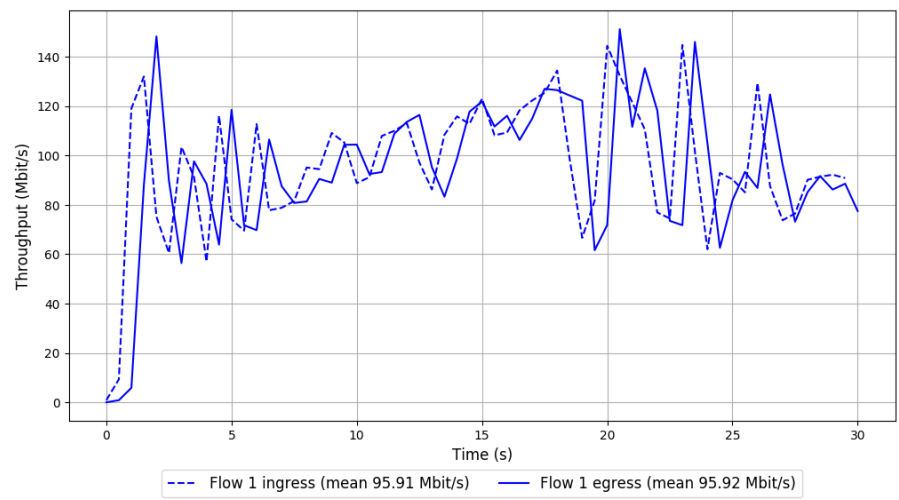
-- Flow 1:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 62.567 ms

Loss rate: 0.41%

Run 10: Report of Copa — Data Link

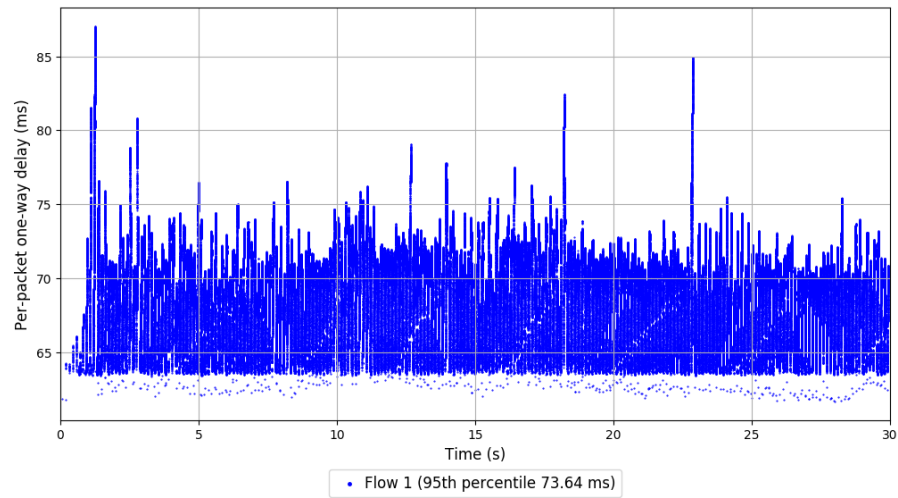
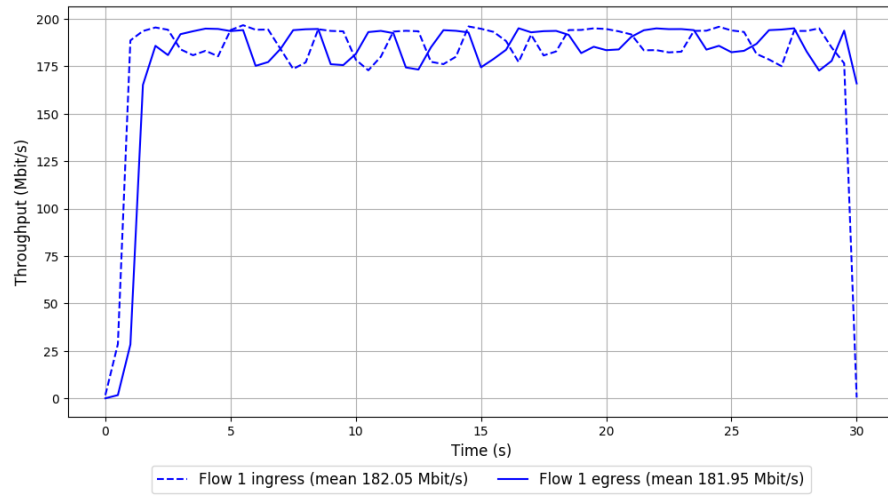


Run 1: Statistics of TCP Cubic

Start at: 2018-06-19 17:08:02
End at: 2018-06-19 17:08:32
Local clock offset: -0.043 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-19 20:52:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.95 Mbit/s
95th percentile per-packet one-way delay: 73.639 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 181.95 Mbit/s
95th percentile per-packet one-way delay: 73.639 ms
Loss rate: 0.47%

Run 1: Report of TCP Cubic — Data Link

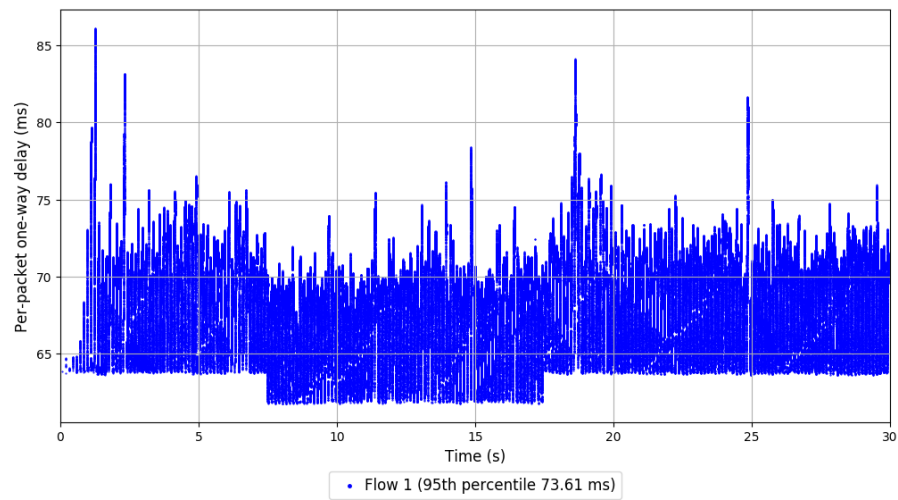
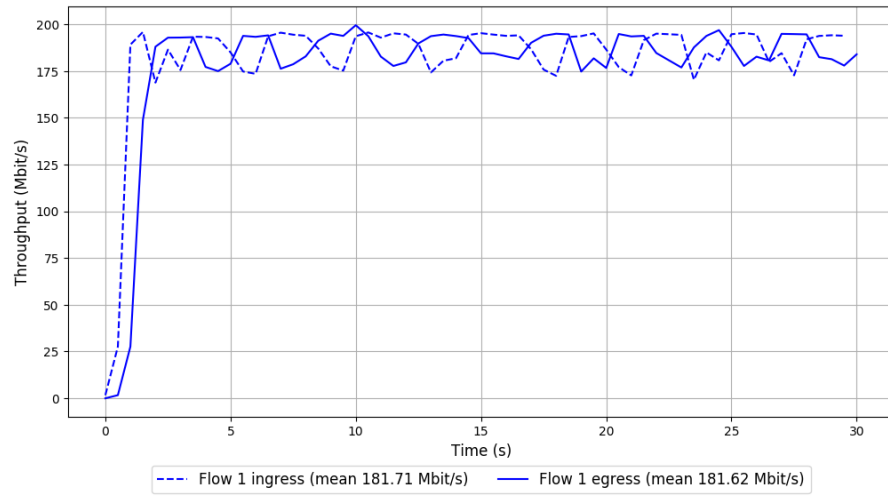


Run 2: Statistics of TCP Cubic

Start at: 2018-06-19 17:28:14
End at: 2018-06-19 17:28:44
Local clock offset: -0.065 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-06-19 20:52:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.62 Mbit/s
95th percentile per-packet one-way delay: 73.611 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 181.62 Mbit/s
95th percentile per-packet one-way delay: 73.611 ms
Loss rate: 0.46%

Run 2: Report of TCP Cubic — Data Link

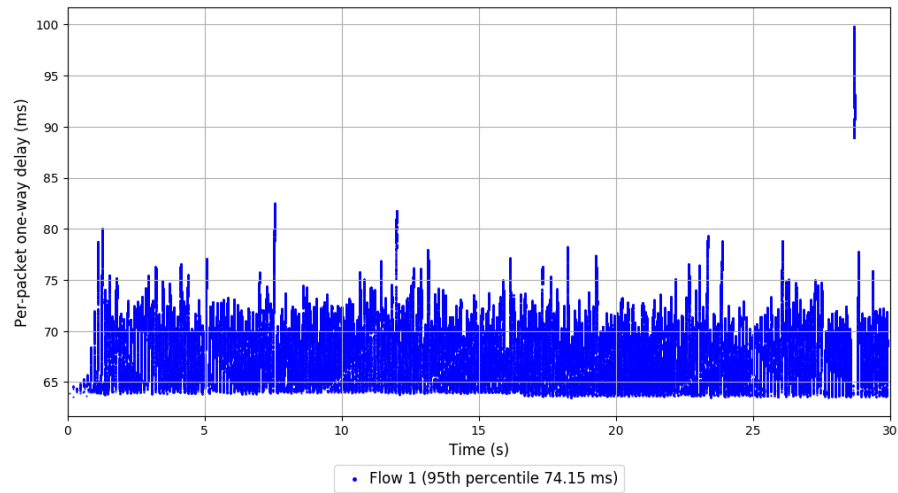
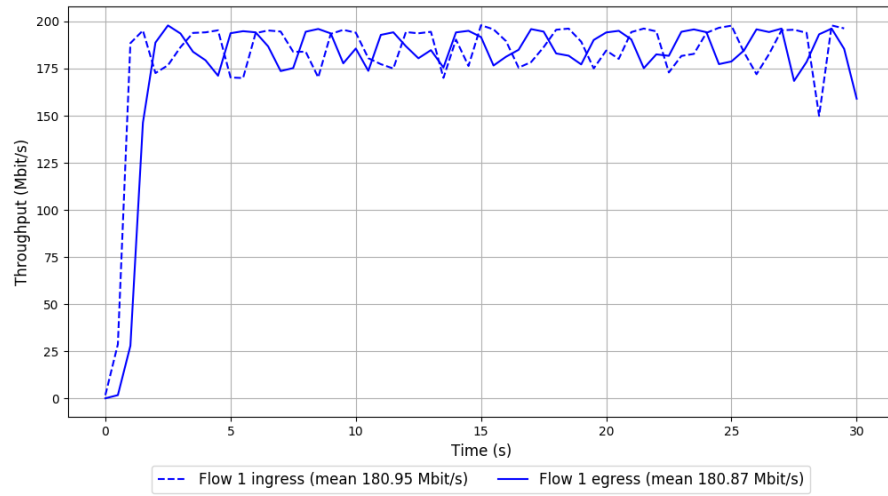


Run 3: Statistics of TCP Cubic

Start at: 2018-06-19 17:48:35
End at: 2018-06-19 17:49:05
Local clock offset: -0.041 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-06-19 20:52:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.87 Mbit/s
95th percentile per-packet one-way delay: 74.152 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 180.87 Mbit/s
95th percentile per-packet one-way delay: 74.152 ms
Loss rate: 0.46%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-19 18:09:10

End at: 2018-06-19 18:09:40

Local clock offset: 0.076 ms

Remote clock offset: 1.267 ms

Below is generated by plot.py at 2018-06-19 20:52:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.29 Mbit/s

95th percentile per-packet one-way delay: 70.251 ms

Loss rate: 0.47%

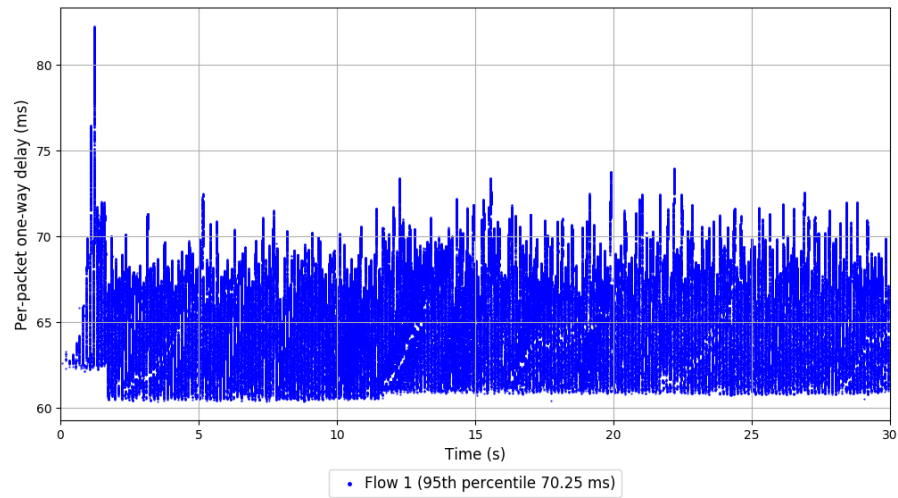
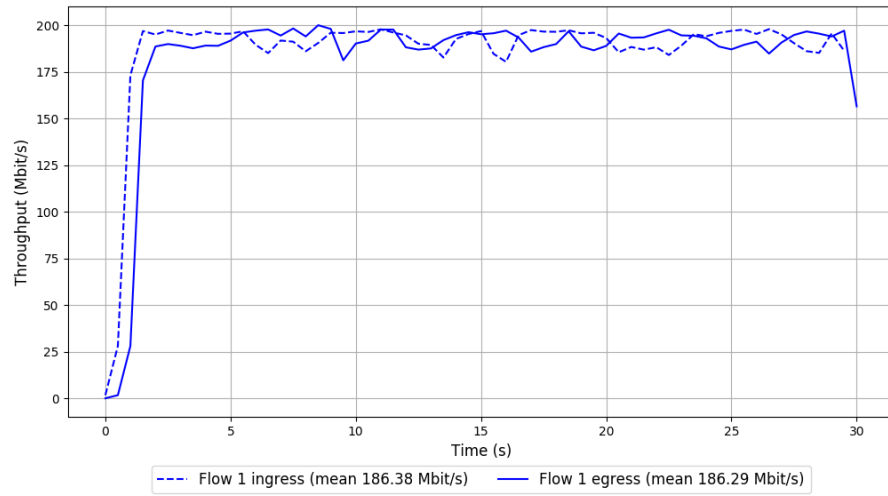
-- Flow 1:

Average throughput: 186.29 Mbit/s

95th percentile per-packet one-way delay: 70.251 ms

Loss rate: 0.47%

Run 4: Report of TCP Cubic — Data Link

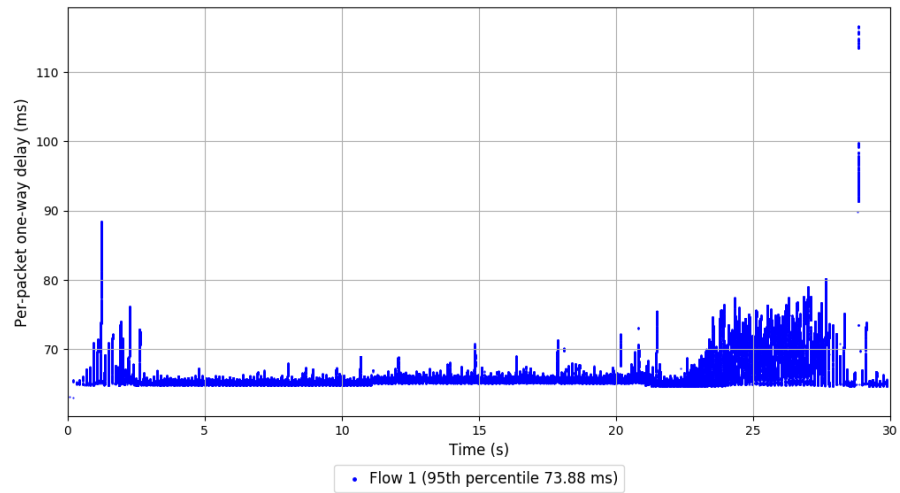
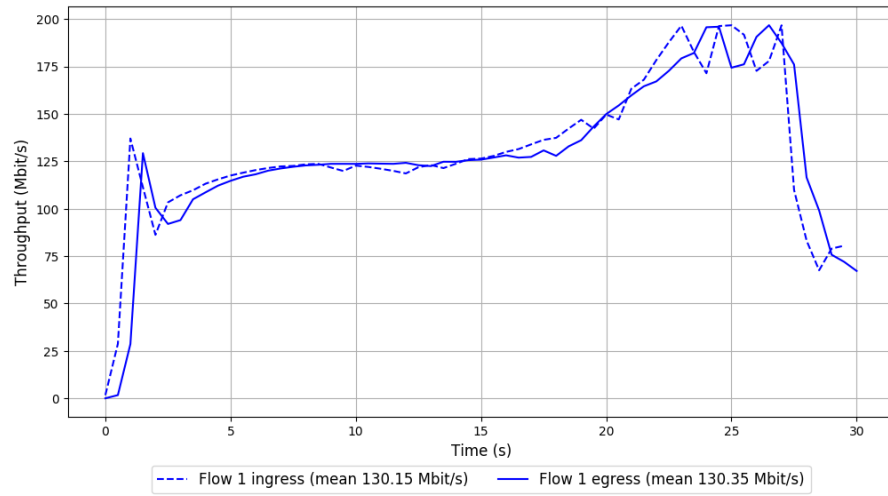


Run 5: Statistics of TCP Cubic

Start at: 2018-06-19 18:29:41
End at: 2018-06-19 18:30:11
Local clock offset: 0.043 ms
Remote clock offset: -1.382 ms

Below is generated by plot.py at 2018-06-19 20:52:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.35 Mbit/s
95th percentile per-packet one-way delay: 73.877 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 130.35 Mbit/s
95th percentile per-packet one-way delay: 73.877 ms
Loss rate: 0.26%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-19 18:49:54

End at: 2018-06-19 18:50:24

Local clock offset: -0.075 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-19 20:52:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.11 Mbit/s

95th percentile per-packet one-way delay: 72.802 ms

Loss rate: 0.44%

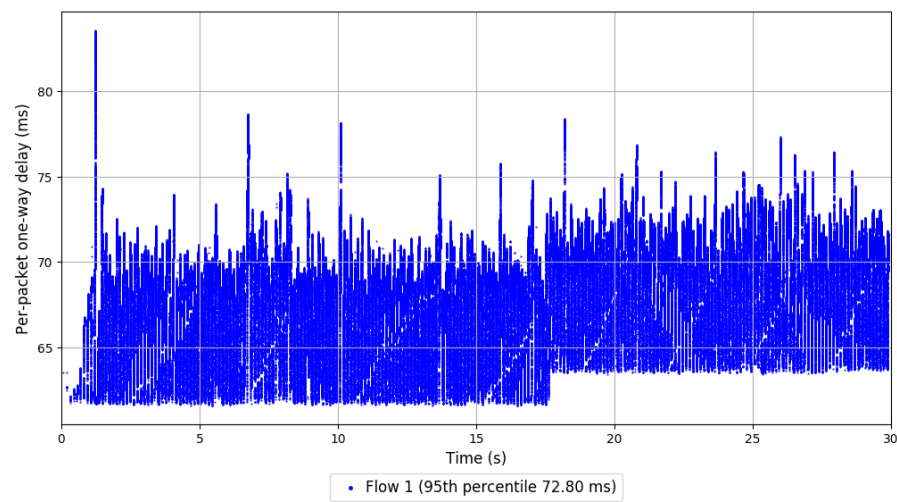
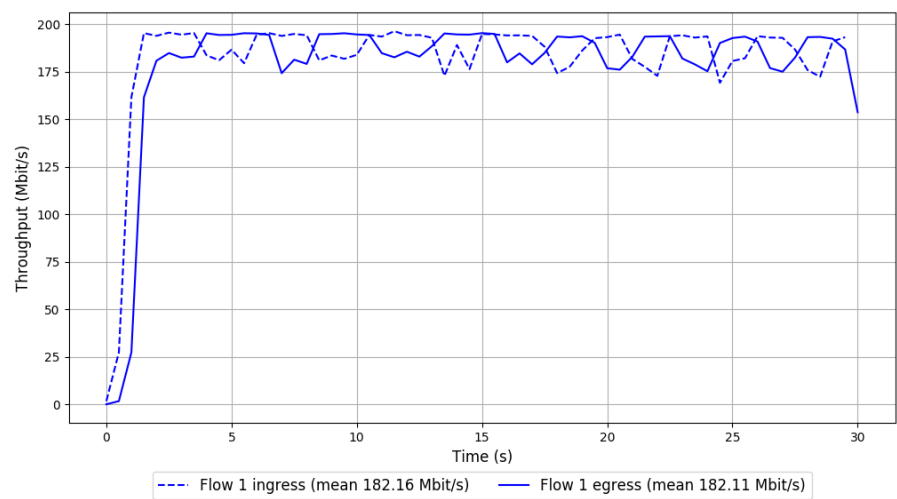
-- Flow 1:

Average throughput: 182.11 Mbit/s

95th percentile per-packet one-way delay: 72.802 ms

Loss rate: 0.44%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-19 19:10:20

End at: 2018-06-19 19:10:50

Local clock offset: -0.003 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-19 20:52:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.46 Mbit/s

95th percentile per-packet one-way delay: 73.360 ms

Loss rate: 0.64%

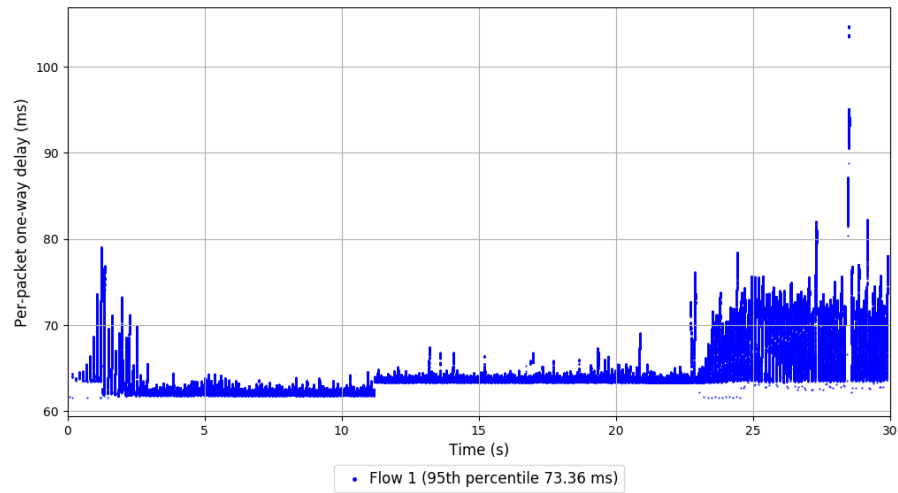
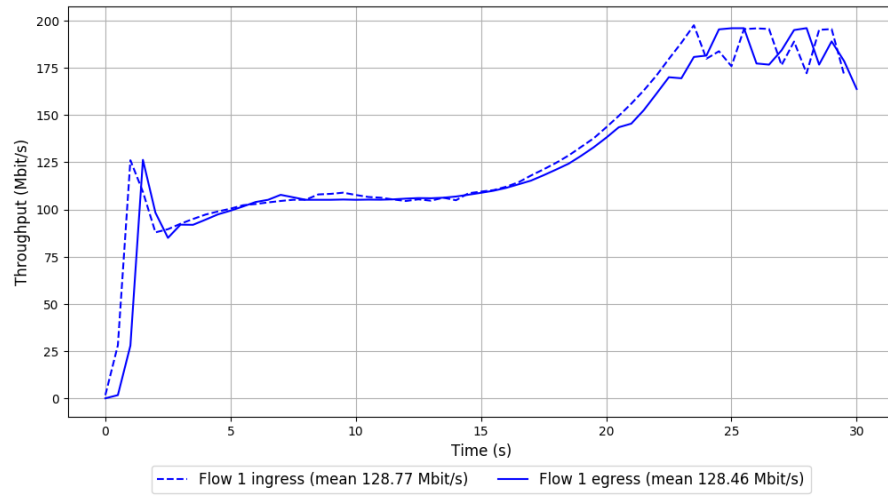
-- Flow 1:

Average throughput: 128.46 Mbit/s

95th percentile per-packet one-way delay: 73.360 ms

Loss rate: 0.64%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-19 19:30:39

End at: 2018-06-19 19:31:09

Local clock offset: 0.126 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-06-19 20:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.80 Mbit/s

95th percentile per-packet one-way delay: 73.155 ms

Loss rate: 0.45%

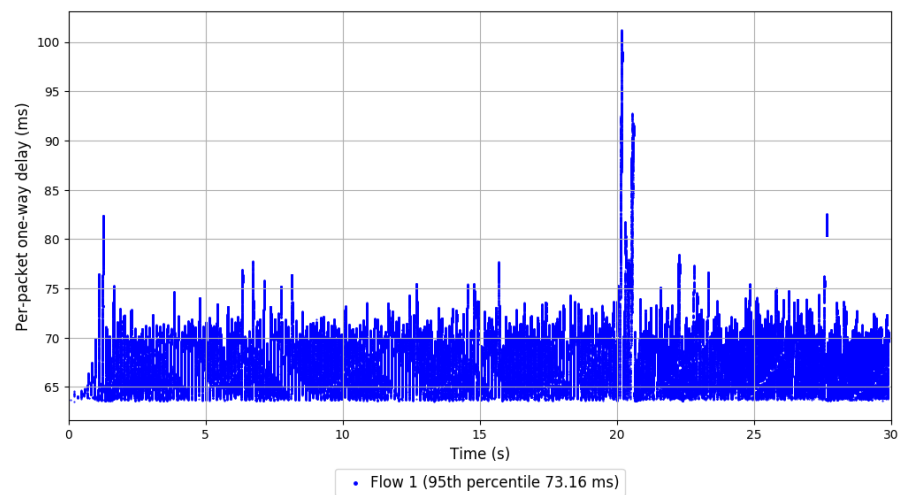
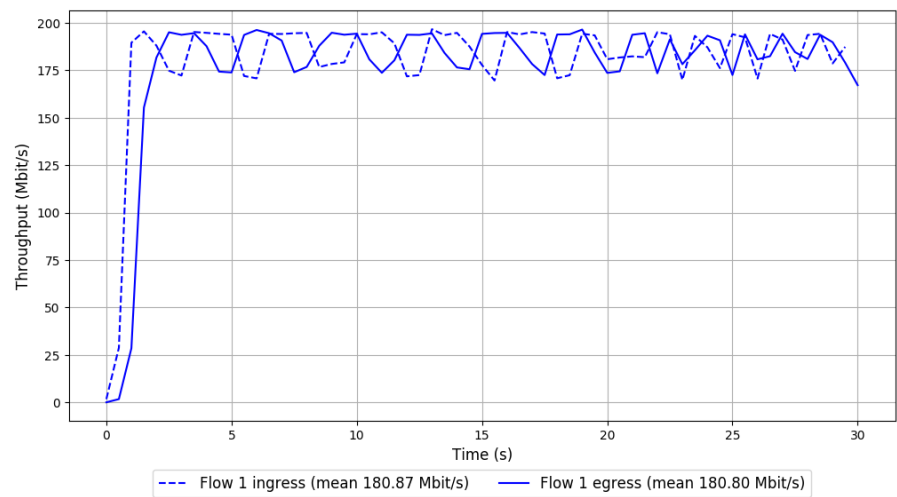
-- Flow 1:

Average throughput: 180.80 Mbit/s

95th percentile per-packet one-way delay: 73.155 ms

Loss rate: 0.45%

Run 8: Report of TCP Cubic — Data Link

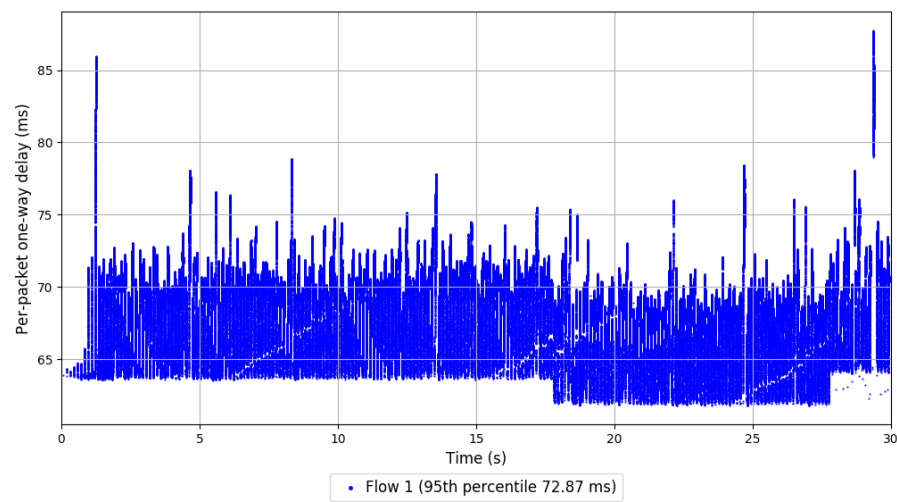
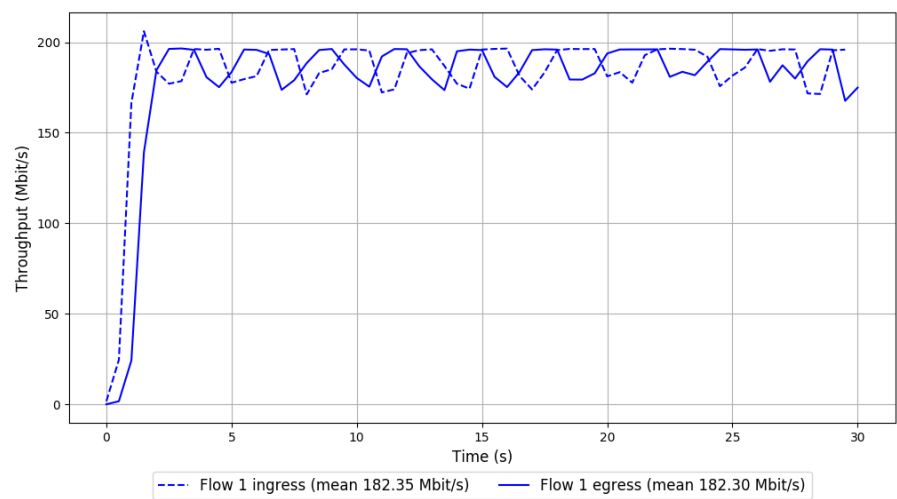


Run 9: Statistics of TCP Cubic

Start at: 2018-06-19 19:51:14
End at: 2018-06-19 19:51:44
Local clock offset: -0.049 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-06-19 20:54:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.30 Mbit/s
95th percentile per-packet one-way delay: 72.867 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 182.30 Mbit/s
95th percentile per-packet one-way delay: 72.867 ms
Loss rate: 0.45%

Run 9: Report of TCP Cubic — Data Link

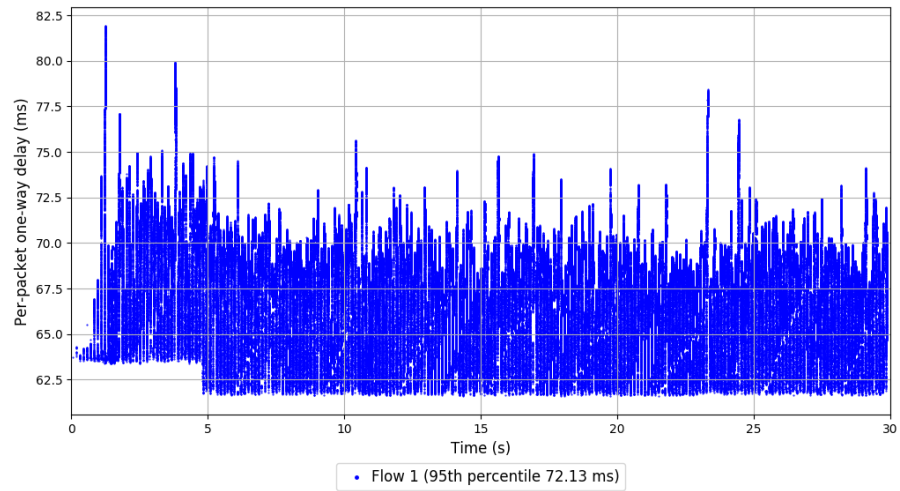
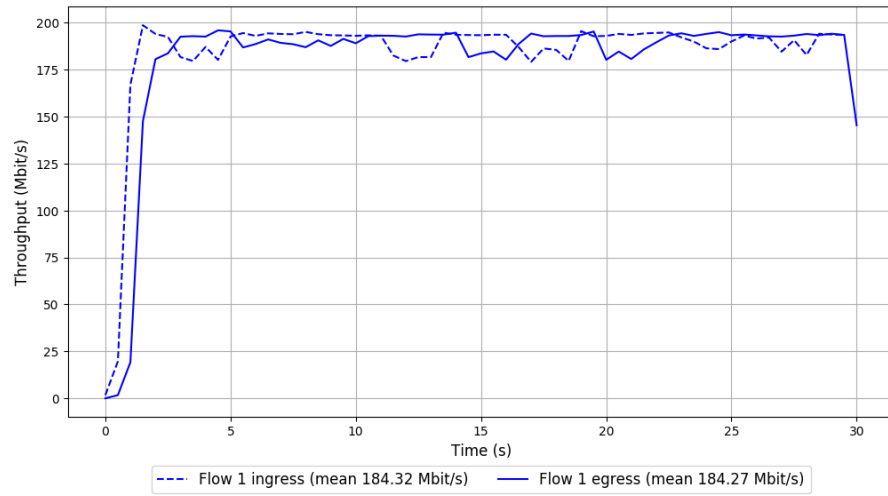


Run 10: Statistics of TCP Cubic

Start at: 2018-06-19 20:11:57
End at: 2018-06-19 20:12:27
Local clock offset: -0.134 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-06-19 20:54:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.27 Mbit/s
95th percentile per-packet one-way delay: 72.134 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 184.27 Mbit/s
95th percentile per-packet one-way delay: 72.134 ms
Loss rate: 0.44%

Run 10: Report of TCP Cubic — Data Link

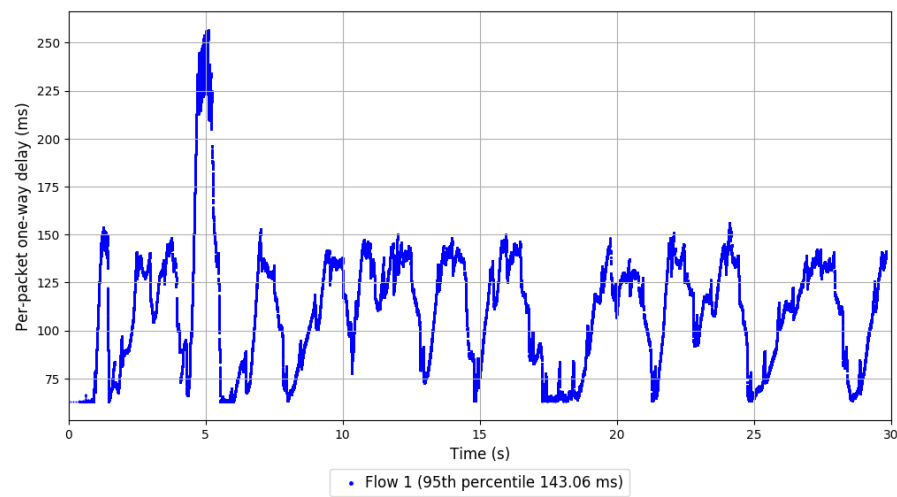
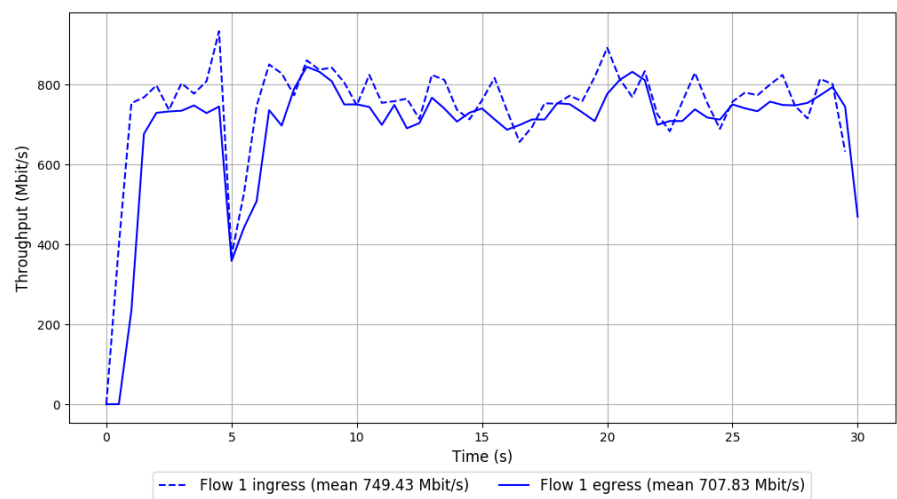


Run 1: Statistics of FillP

Start at: 2018-06-19 17:10:34
End at: 2018-06-19 17:11:04
Local clock offset: -0.074 ms
Remote clock offset: -1.407 ms

Below is generated by plot.py at 2018-06-19 21:08:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 707.83 Mbit/s
95th percentile per-packet one-way delay: 143.060 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 707.83 Mbit/s
95th percentile per-packet one-way delay: 143.060 ms
Loss rate: 5.95%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-19 17:30:49

End at: 2018-06-19 17:31:19

Local clock offset: -0.04 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-19 21:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 731.77 Mbit/s

95th percentile per-packet one-way delay: 140.673 ms

Loss rate: 5.57%

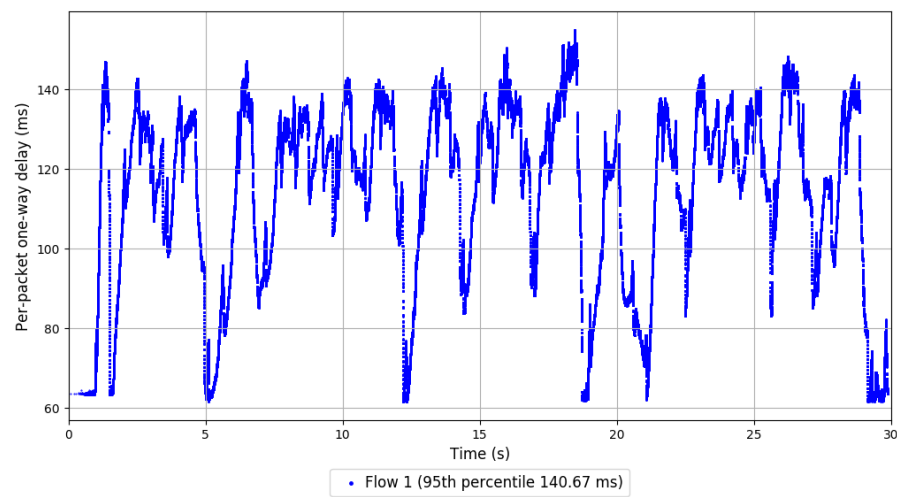
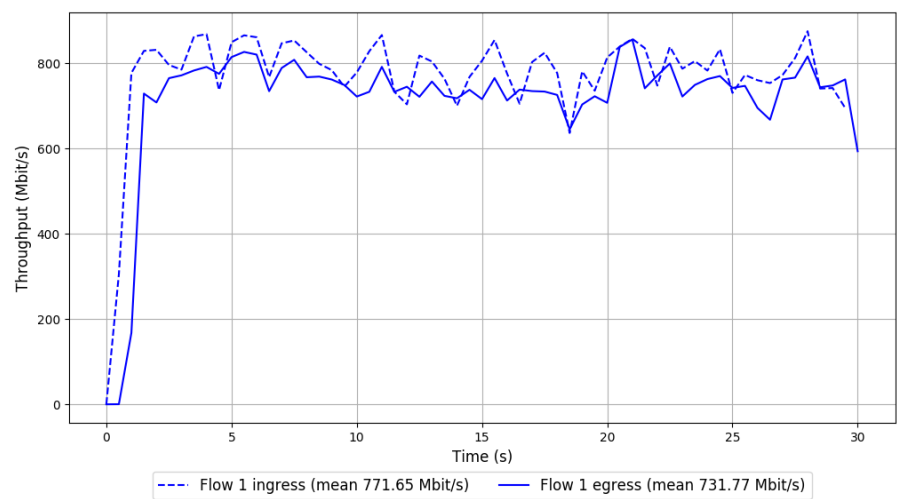
-- Flow 1:

Average throughput: 731.77 Mbit/s

95th percentile per-packet one-way delay: 140.673 ms

Loss rate: 5.57%

Run 2: Report of FillP — Data Link

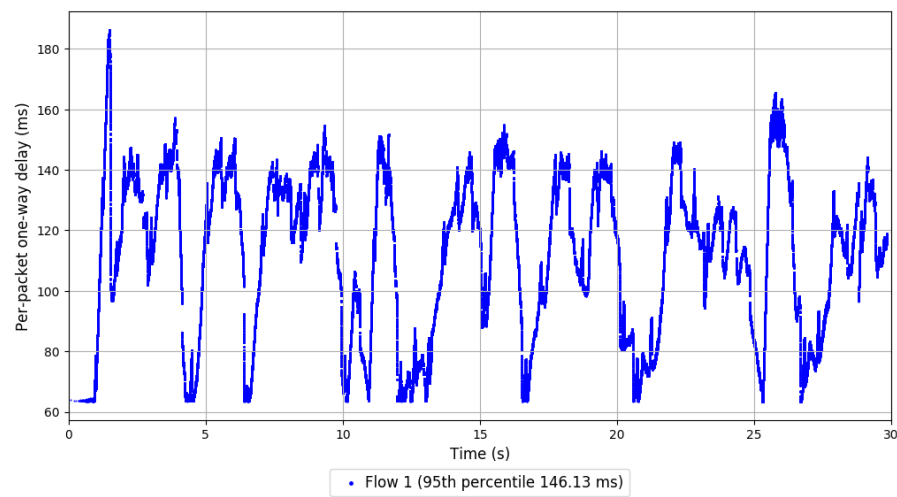
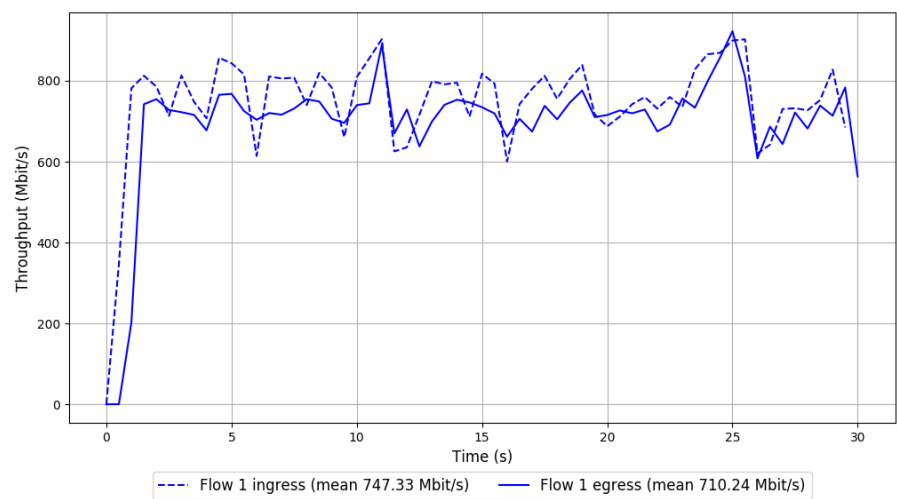


Run 3: Statistics of FillP

Start at: 2018-06-19 17:51:09
End at: 2018-06-19 17:51:39
Local clock offset: -0.023 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2018-06-19 21:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 710.24 Mbit/s
95th percentile per-packet one-way delay: 146.133 ms
Loss rate: 5.37%
-- Flow 1:
Average throughput: 710.24 Mbit/s
95th percentile per-packet one-way delay: 146.133 ms
Loss rate: 5.37%

Run 3: Report of FillP — Data Link

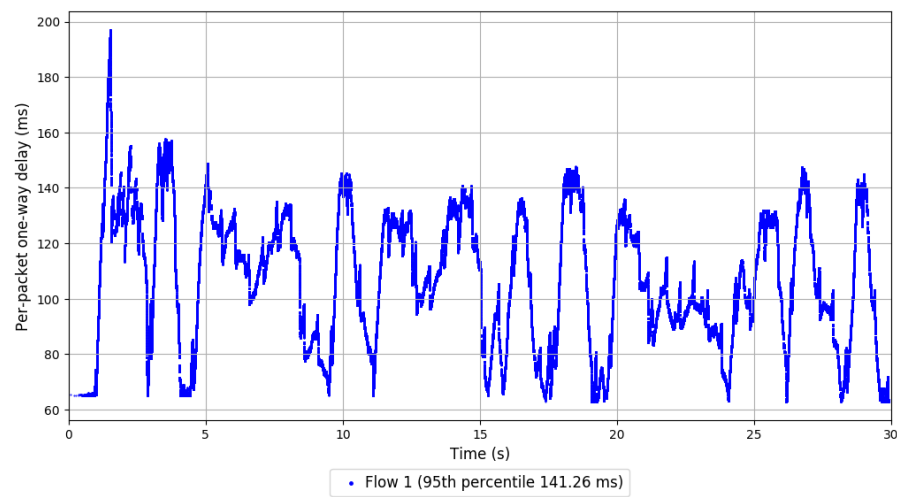
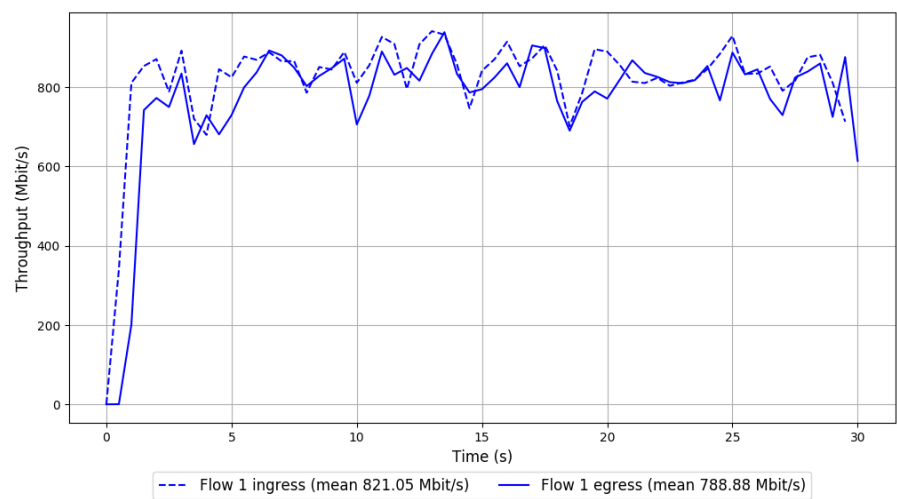


Run 4: Statistics of FillP

Start at: 2018-06-19 18:11:45
End at: 2018-06-19 18:12:15
Local clock offset: 0.036 ms
Remote clock offset: -1.303 ms

Below is generated by plot.py at 2018-06-19 21:11:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 788.88 Mbit/s
95th percentile per-packet one-way delay: 141.257 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 788.88 Mbit/s
95th percentile per-packet one-way delay: 141.257 ms
Loss rate: 4.33%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-19 18:32:13

End at: 2018-06-19 18:32:43

Local clock offset: 0.049 ms

Remote clock offset: -1.08 ms

Below is generated by plot.py at 2018-06-19 21:11:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.60 Mbit/s

95th percentile per-packet one-way delay: 271.966 ms

Loss rate: 2.76%

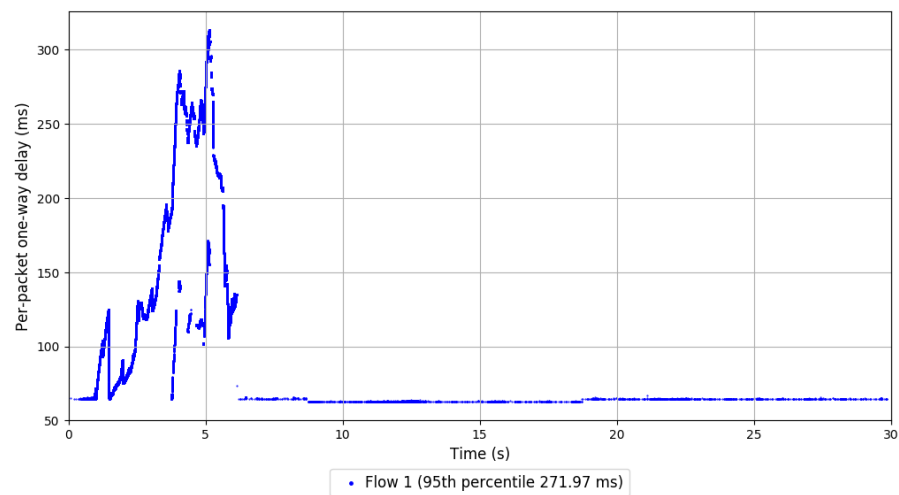
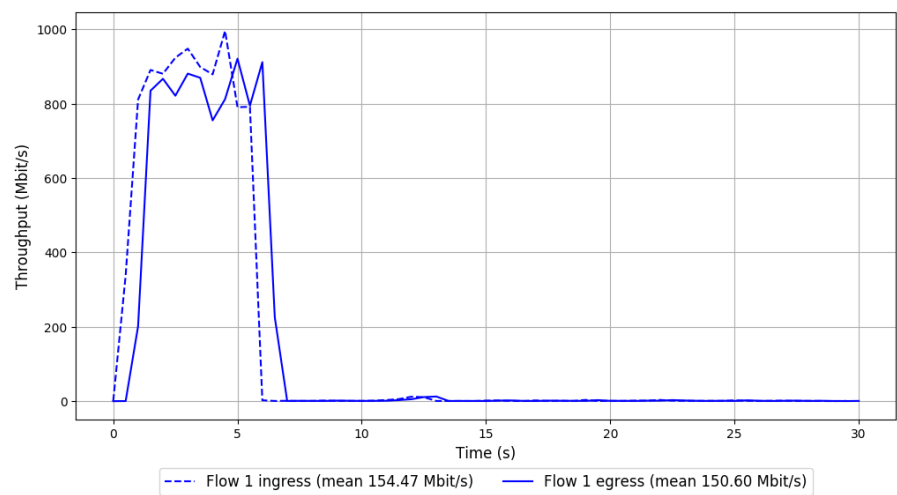
-- Flow 1:

Average throughput: 150.60 Mbit/s

95th percentile per-packet one-way delay: 271.966 ms

Loss rate: 2.76%

Run 5: Report of FillP — Data Link

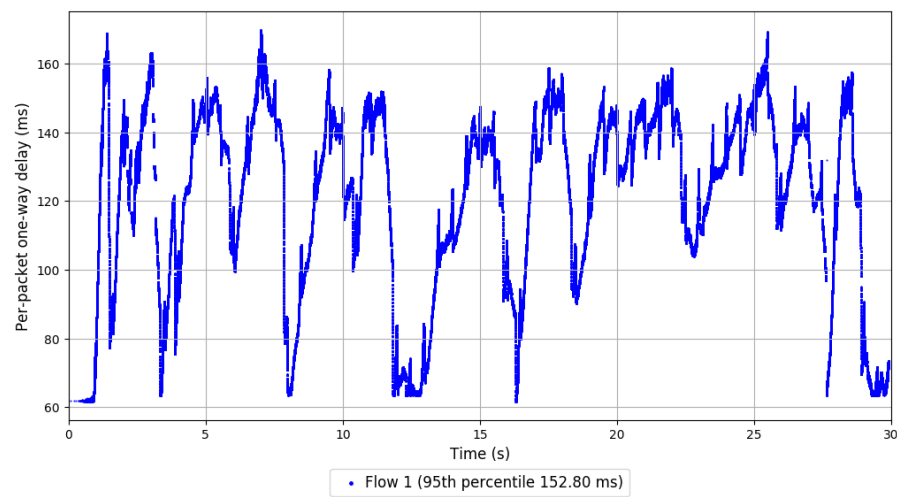
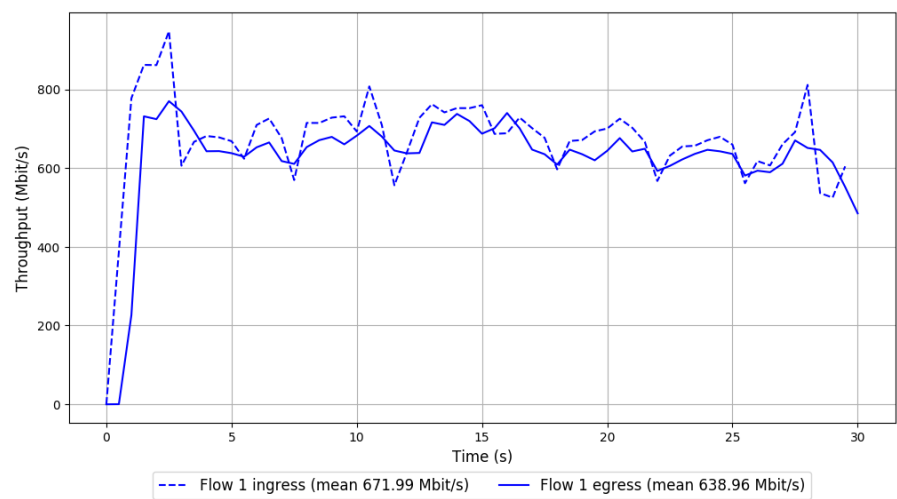


Run 6: Statistics of FillP

Start at: 2018-06-19 18:52:29
End at: 2018-06-19 18:52:59
Local clock offset: -0.044 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-19 21:11:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 638.96 Mbit/s
95th percentile per-packet one-way delay: 152.798 ms
Loss rate: 5.32%
-- Flow 1:
Average throughput: 638.96 Mbit/s
95th percentile per-packet one-way delay: 152.798 ms
Loss rate: 5.32%

Run 6: Report of FillP — Data Link

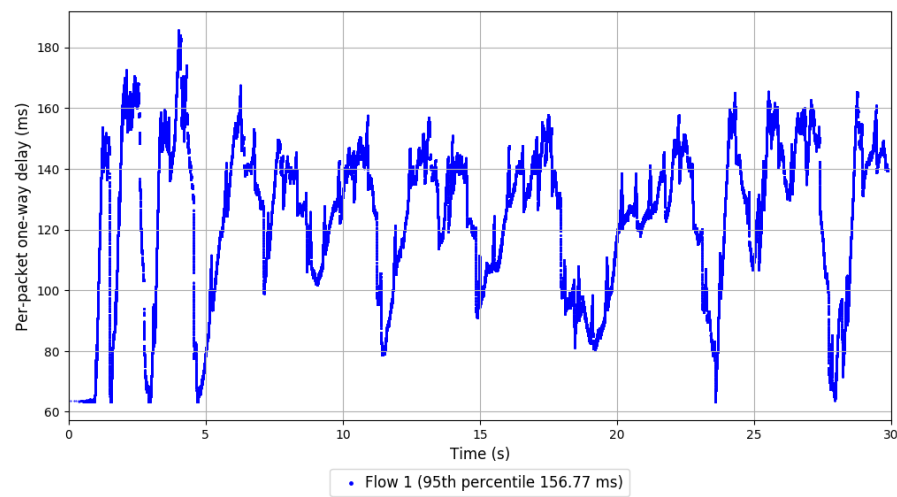
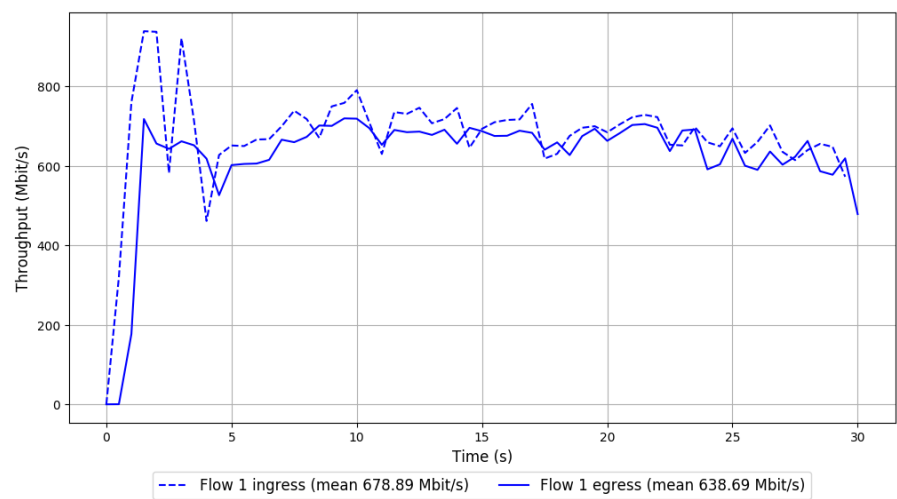


Run 7: Statistics of FillP

Start at: 2018-06-19 19:12:53
End at: 2018-06-19 19:13:23
Local clock offset: -0.005 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-19 21:11:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 638.69 Mbit/s
95th percentile per-packet one-way delay: 156.773 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 638.69 Mbit/s
95th percentile per-packet one-way delay: 156.773 ms
Loss rate: 6.32%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-19 19:33:15

End at: 2018-06-19 19:33:45

Local clock offset: 0.154 ms

Remote clock offset: -1.1 ms

Below is generated by plot.py at 2018-06-19 21:12:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 706.24 Mbit/s

95th percentile per-packet one-way delay: 147.109 ms

Loss rate: 5.92%

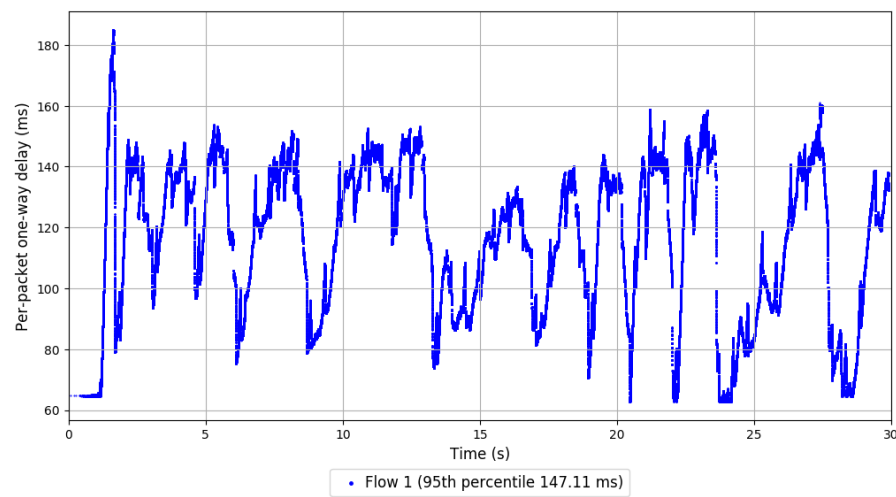
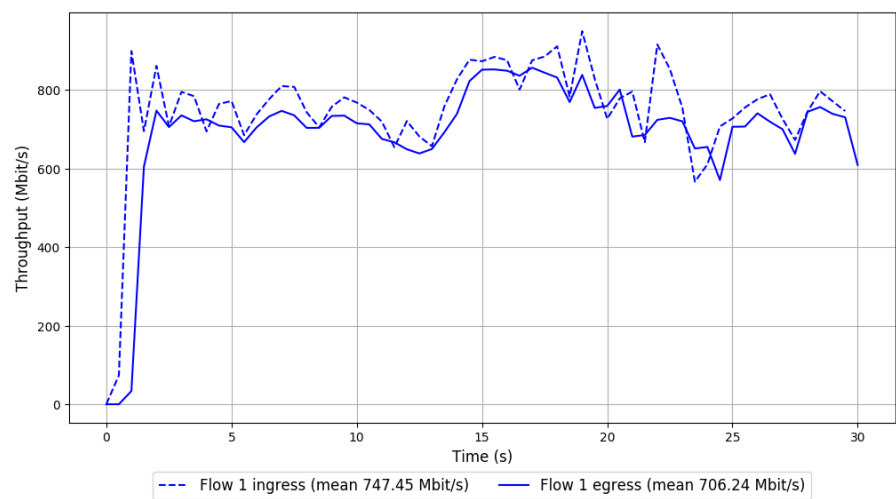
-- Flow 1:

Average throughput: 706.24 Mbit/s

95th percentile per-packet one-way delay: 147.109 ms

Loss rate: 5.92%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-19 19:53:49

End at: 2018-06-19 19:54:19

Local clock offset: -0.021 ms

Remote clock offset: 1.127 ms

Below is generated by plot.py at 2018-06-19 21:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 721.74 Mbit/s

95th percentile per-packet one-way delay: 144.755 ms

Loss rate: 5.92%

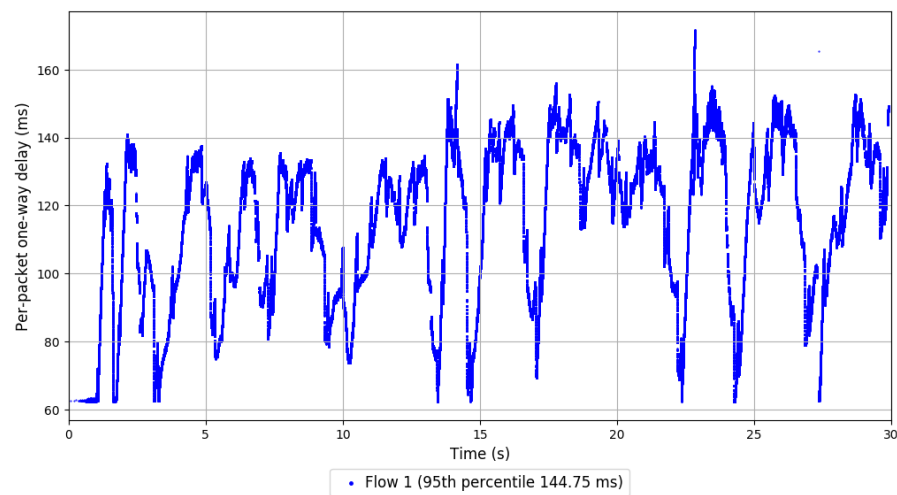
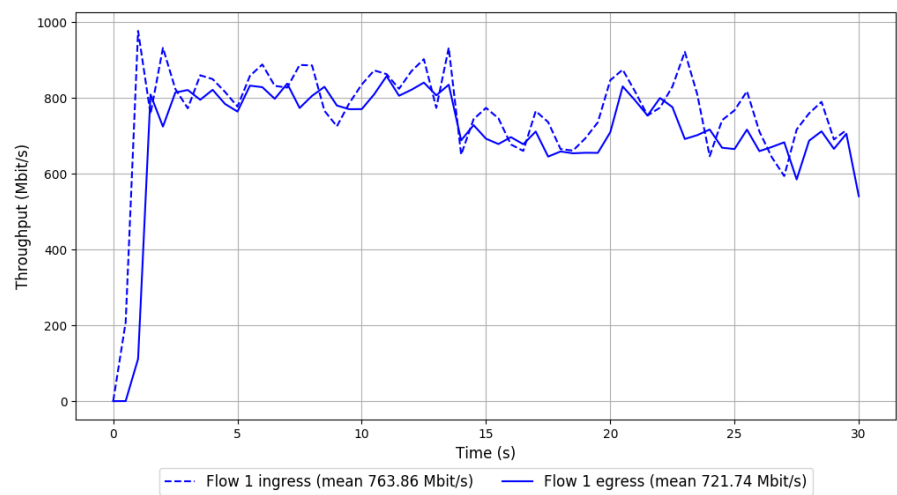
-- Flow 1:

Average throughput: 721.74 Mbit/s

95th percentile per-packet one-way delay: 144.755 ms

Loss rate: 5.92%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-19 20:14:31

End at: 2018-06-19 20:15:01

Local clock offset: -0.005 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-06-19 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 767.53 Mbit/s

95th percentile per-packet one-way delay: 152.532 ms

Loss rate: 6.85%

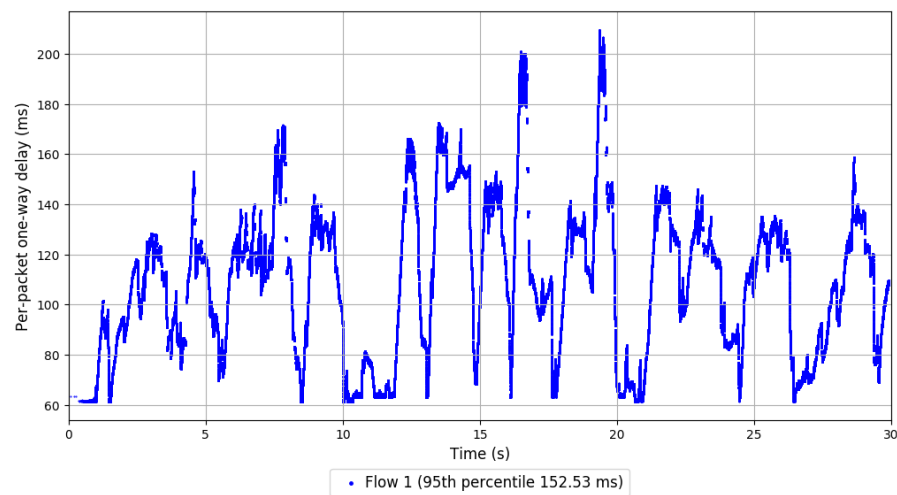
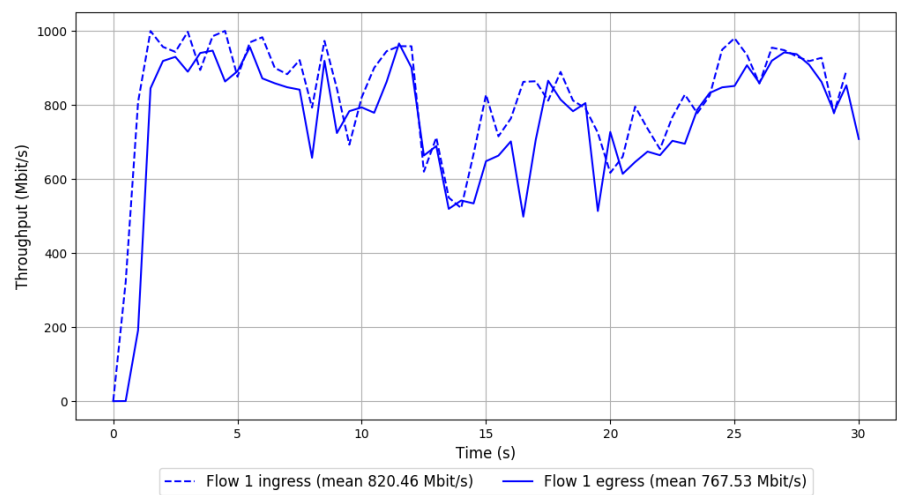
-- Flow 1:

Average throughput: 767.53 Mbit/s

95th percentile per-packet one-way delay: 152.532 ms

Loss rate: 6.85%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-19 17:09:18

End at: 2018-06-19 17:09:48

Local clock offset: -0.065 ms

Remote clock offset: 0.972 ms

Below is generated by plot.py at 2018-06-19 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.79 Mbit/s

95th percentile per-packet one-way delay: 62.969 ms

Loss rate: 0.52%

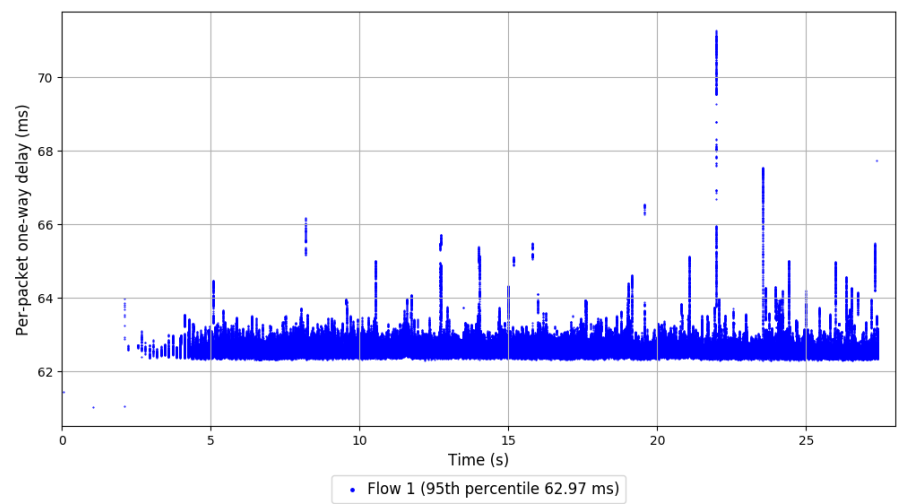
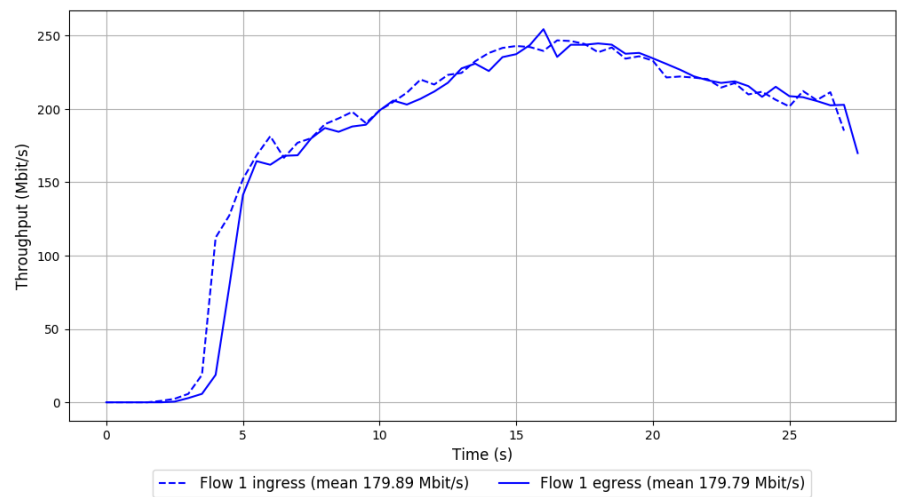
-- Flow 1:

Average throughput: 179.79 Mbit/s

95th percentile per-packet one-way delay: 62.969 ms

Loss rate: 0.52%

Run 1: Report of Indigo — Data Link

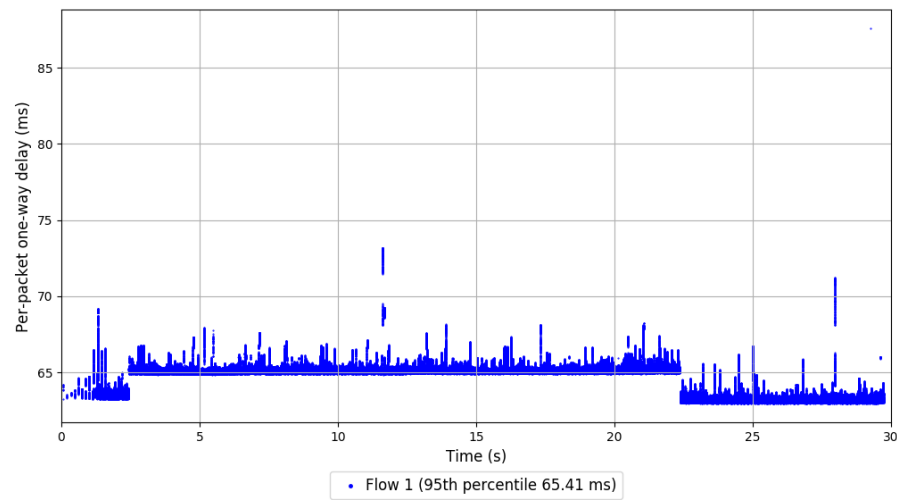
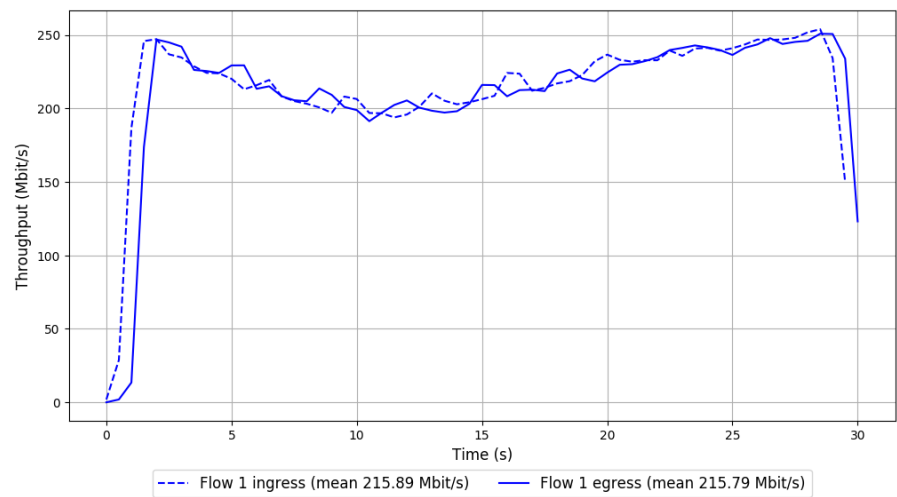


Run 2: Statistics of Indigo

Start at: 2018-06-19 17:29:29
End at: 2018-06-19 17:29:59
Local clock offset: -0.051 ms
Remote clock offset: -1.562 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.79 Mbit/s
95th percentile per-packet one-way delay: 65.414 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 215.79 Mbit/s
95th percentile per-packet one-way delay: 65.414 ms
Loss rate: 0.48%

Run 2: Report of Indigo — Data Link

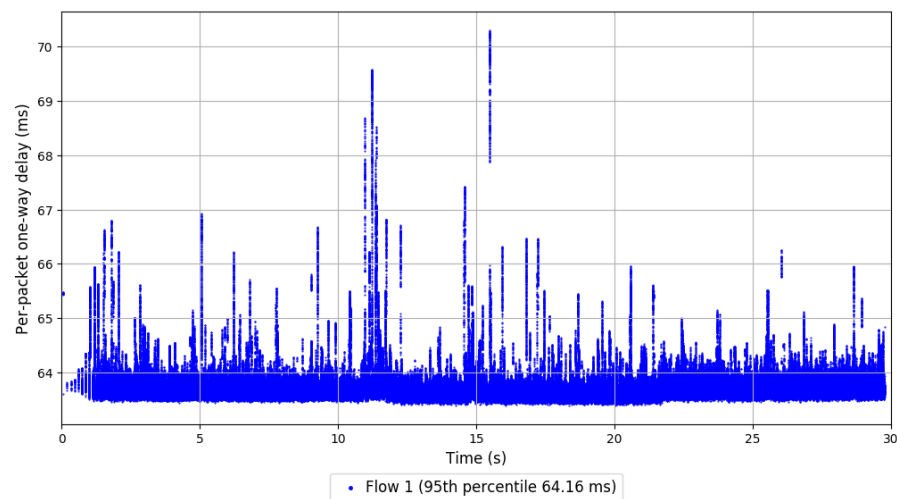
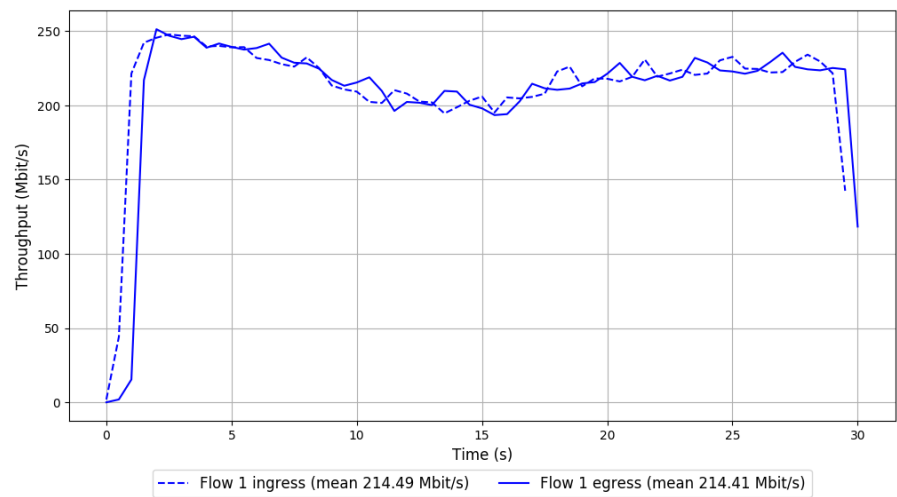


Run 3: Statistics of Indigo

Start at: 2018-06-19 17:49:50
End at: 2018-06-19 17:50:20
Local clock offset: 0.0 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.41 Mbit/s
95th percentile per-packet one-way delay: 64.164 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 214.41 Mbit/s
95th percentile per-packet one-way delay: 64.164 ms
Loss rate: 0.46%

Run 3: Report of Indigo — Data Link

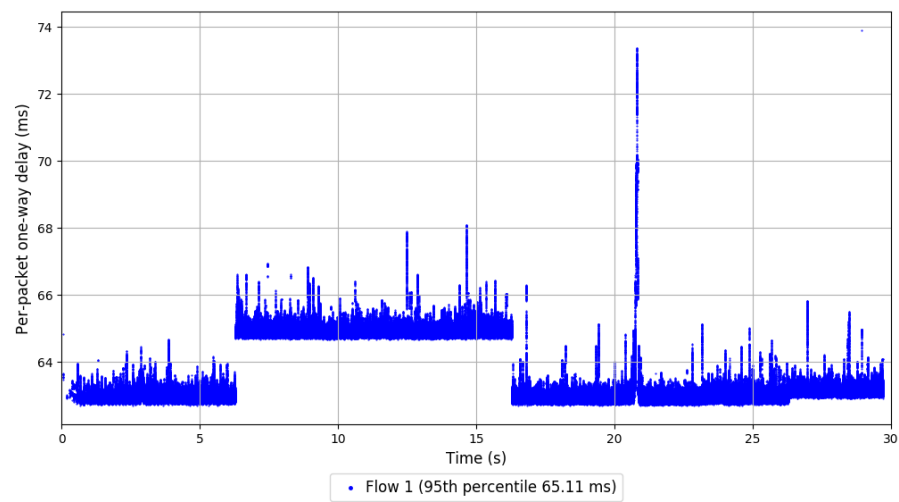
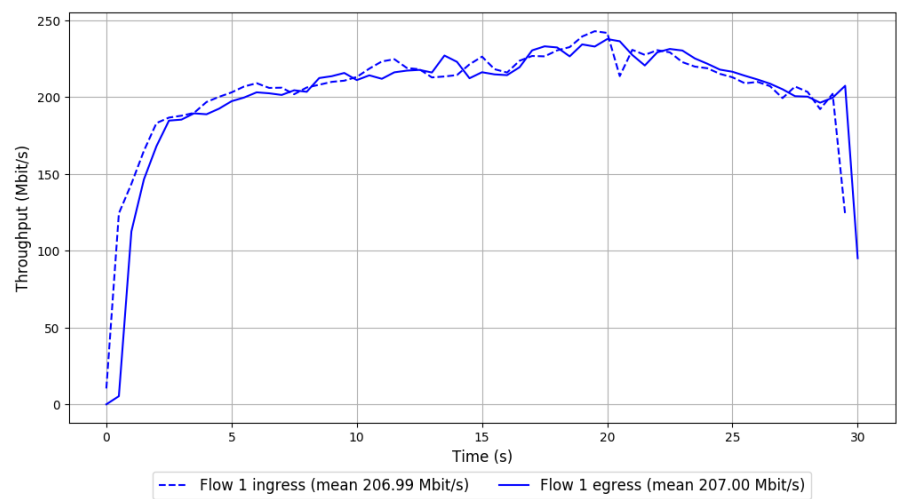


Run 4: Statistics of Indigo

Start at: 2018-06-19 18:10:25
End at: 2018-06-19 18:10:55
Local clock offset: 0.068 ms
Remote clock offset: -1.356 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.00 Mbit/s
95th percentile per-packet one-way delay: 65.112 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 207.00 Mbit/s
95th percentile per-packet one-way delay: 65.112 ms
Loss rate: 0.43%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-19 18:30:53

End at: 2018-06-19 18:31:23

Local clock offset: 0.042 ms

Remote clock offset: -1.4 ms

Below is generated by plot.py at 2018-06-19 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.57 Mbit/s

95th percentile per-packet one-way delay: 66.314 ms

Loss rate: 0.47%

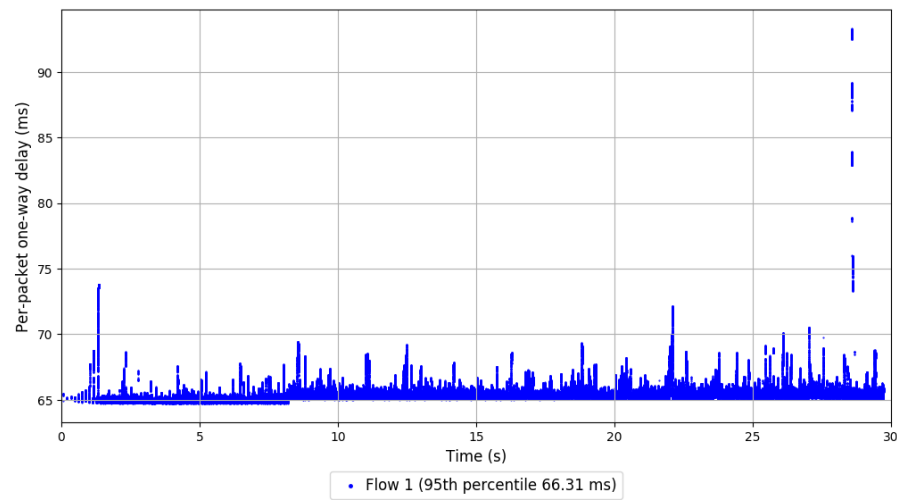
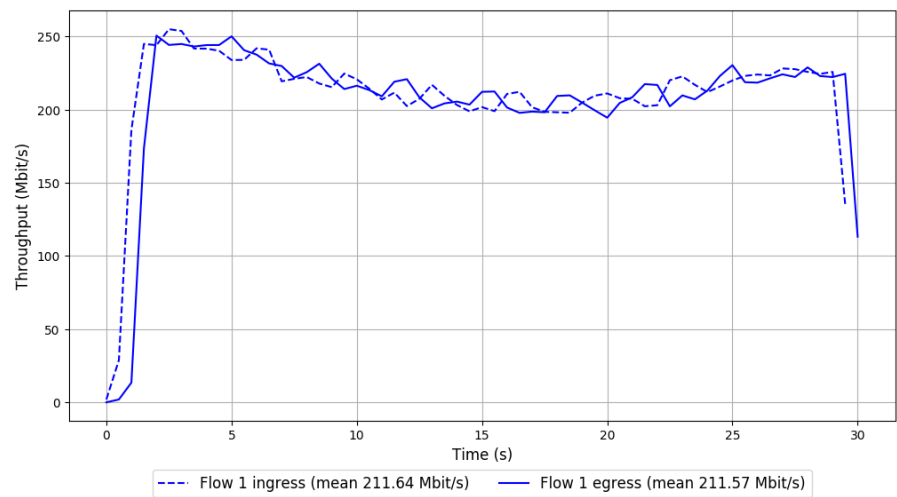
-- Flow 1:

Average throughput: 211.57 Mbit/s

95th percentile per-packet one-way delay: 66.314 ms

Loss rate: 0.47%

Run 5: Report of Indigo — Data Link

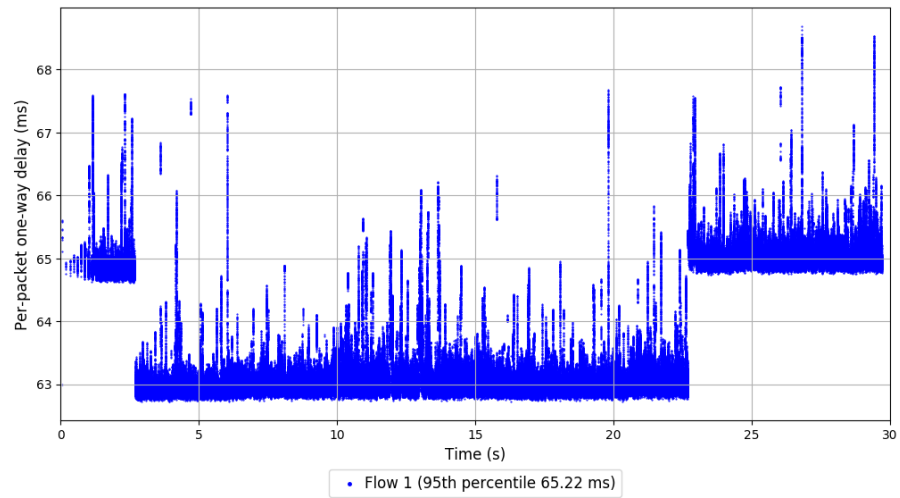
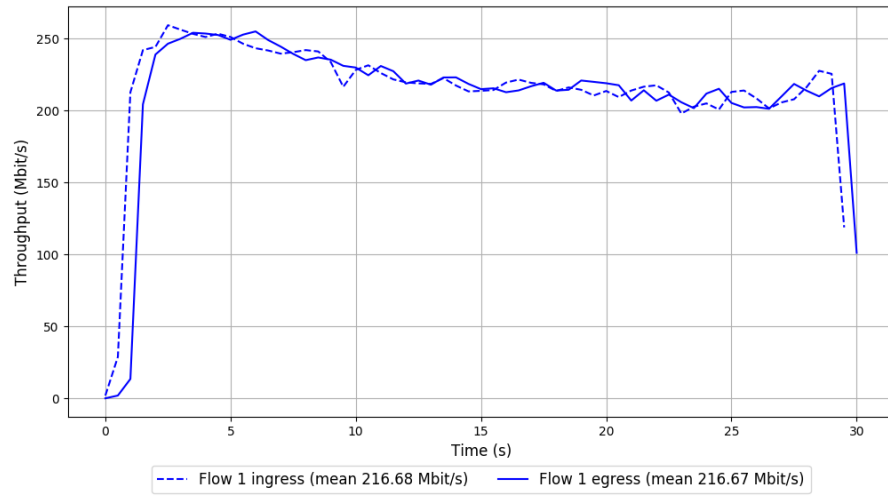


Run 6: Statistics of Indigo

Start at: 2018-06-19 18:51:09
End at: 2018-06-19 18:51:39
Local clock offset: -0.05 ms
Remote clock offset: -1.285 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 65.215 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 65.215 ms
Loss rate: 0.44%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-19 19:11:33

End at: 2018-06-19 19:12:03

Local clock offset: 0.073 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-06-19 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.82 Mbit/s

95th percentile per-packet one-way delay: 63.584 ms

Loss rate: 0.43%

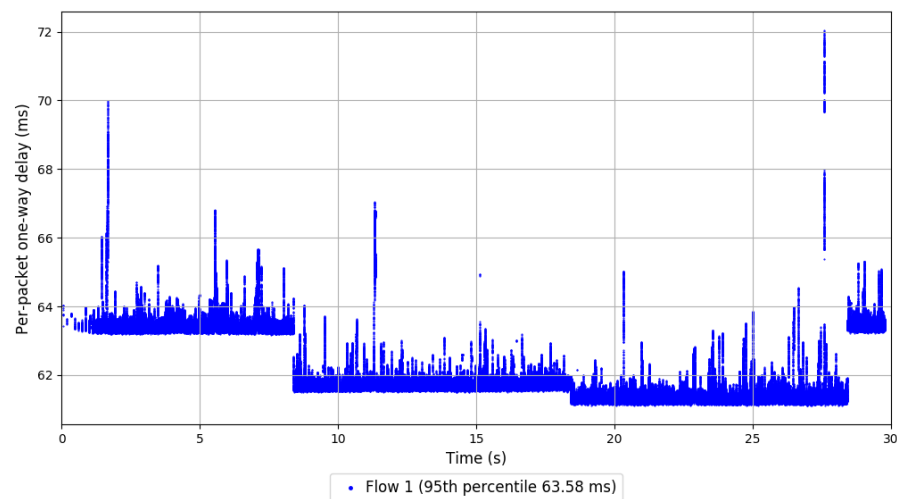
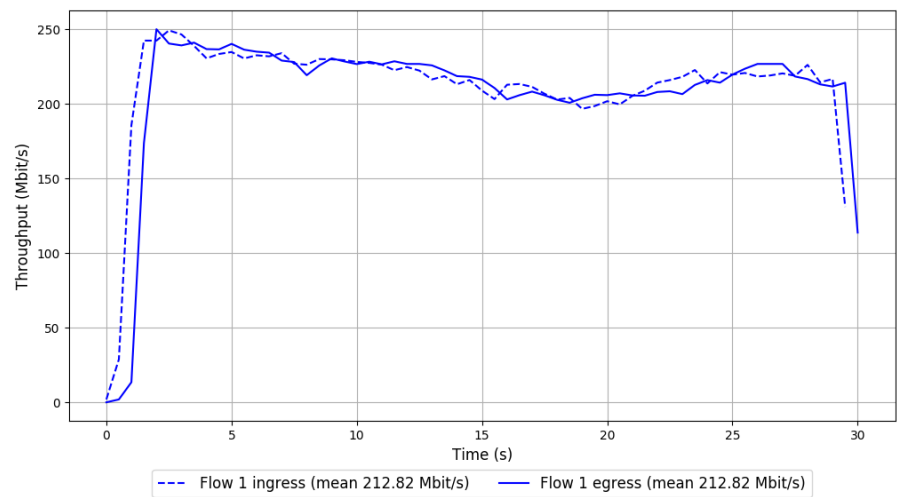
-- Flow 1:

Average throughput: 212.82 Mbit/s

95th percentile per-packet one-way delay: 63.584 ms

Loss rate: 0.43%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-19 19:31:54

End at: 2018-06-19 19:32:24

Local clock offset: 0.115 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-06-19 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.46 Mbit/s

95th percentile per-packet one-way delay: 63.816 ms

Loss rate: 0.46%

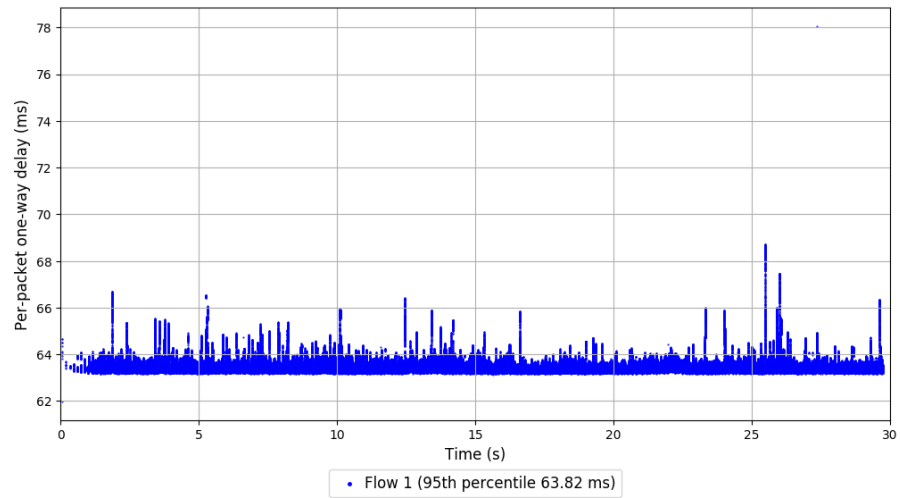
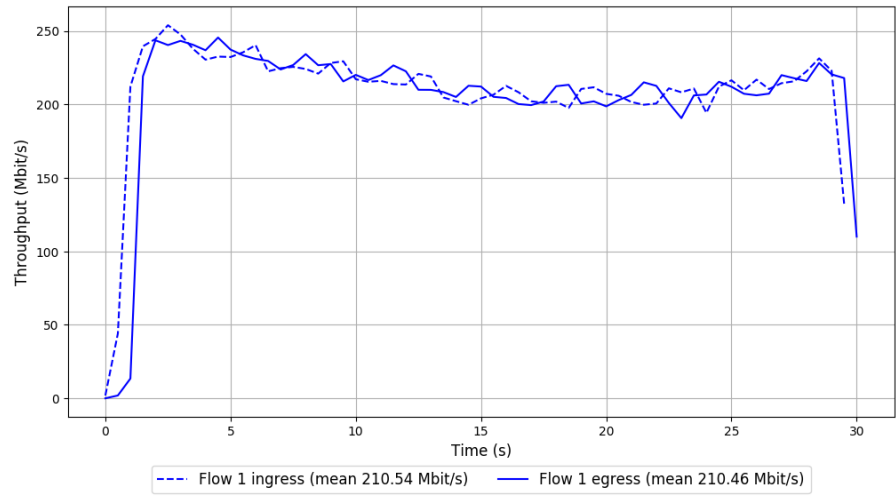
-- Flow 1:

Average throughput: 210.46 Mbit/s

95th percentile per-packet one-way delay: 63.816 ms

Loss rate: 0.46%

Run 8: Report of Indigo — Data Link

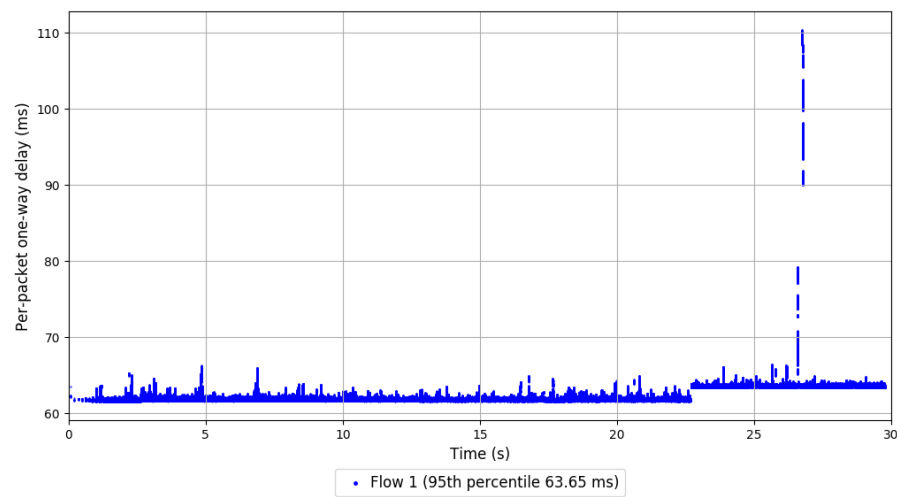
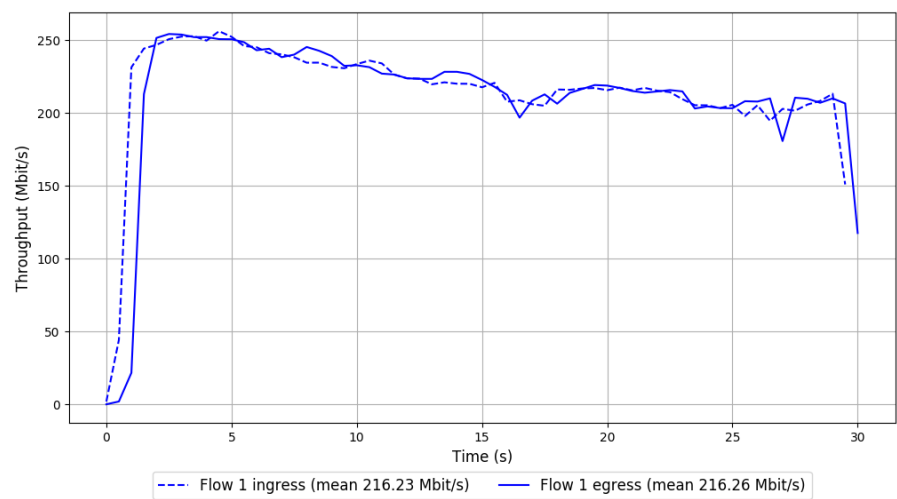


Run 9: Statistics of Indigo

Start at: 2018-06-19 19:52:29
End at: 2018-06-19 19:52:59
Local clock offset: -0.075 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.26 Mbit/s
95th percentile per-packet one-way delay: 63.650 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 216.26 Mbit/s
95th percentile per-packet one-way delay: 63.650 ms
Loss rate: 0.41%

Run 9: Report of Indigo — Data Link

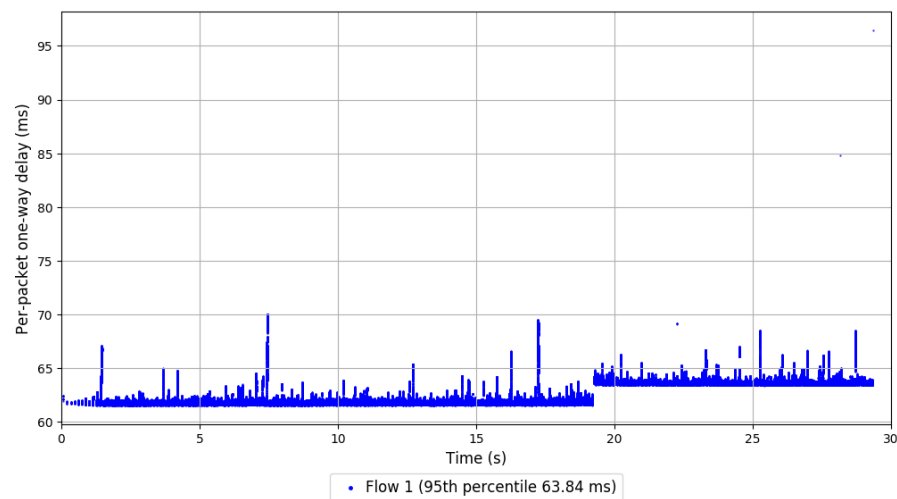
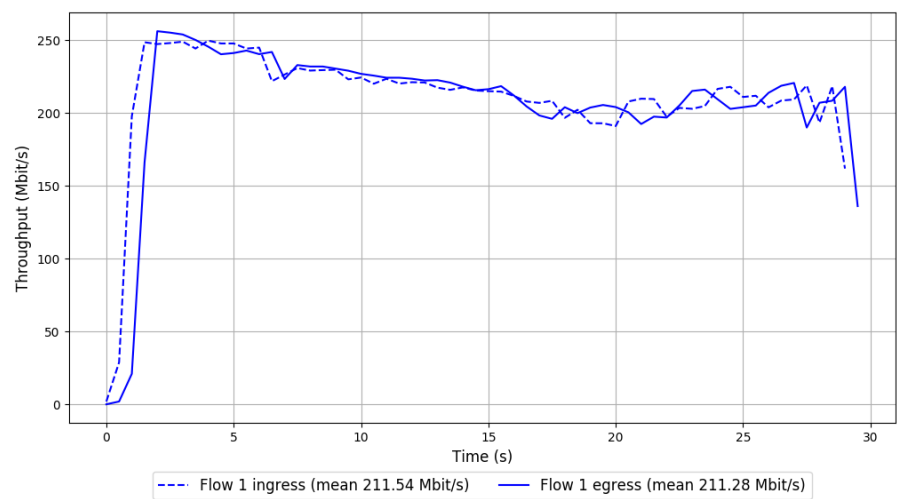


Run 10: Statistics of Indigo

Start at: 2018-06-19 20:13:12
End at: 2018-06-19 20:13:42
Local clock offset: -0.077 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.28 Mbit/s
95th percentile per-packet one-way delay: 63.839 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 211.28 Mbit/s
95th percentile per-packet one-way delay: 63.839 ms
Loss rate: 0.44%

Run 10: Report of Indigo — Data Link

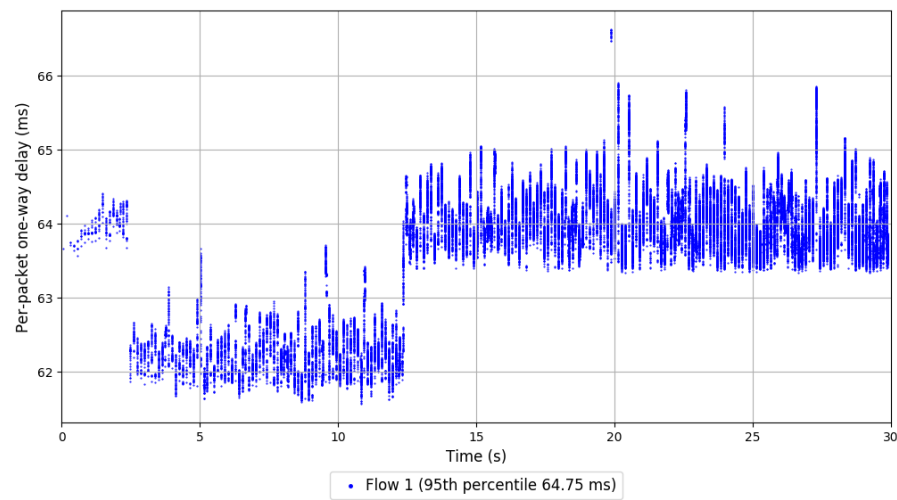
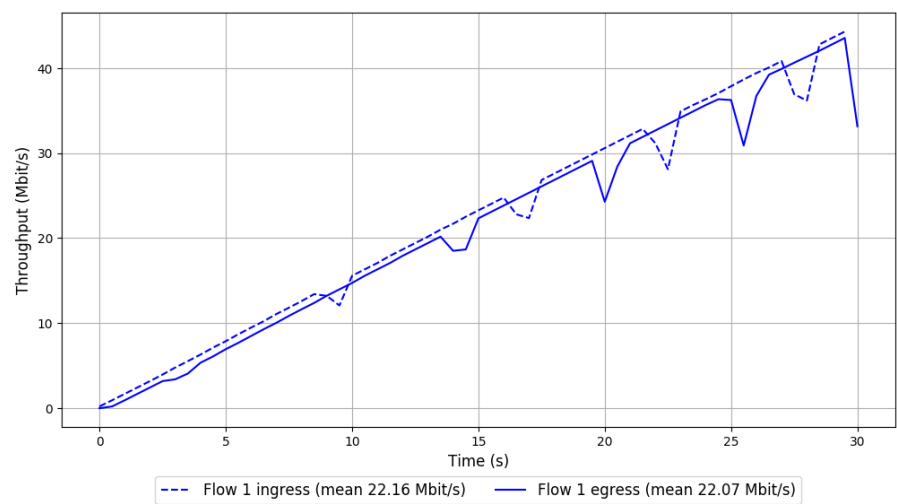


Run 1: Statistics of LEDBAT

Start at: 2018-06-19 17:04:19
End at: 2018-06-19 17:04:49
Local clock offset: -0.067 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 64.745 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 64.745 ms
Loss rate: 0.84%

Run 1: Report of LEDBAT — Data Link

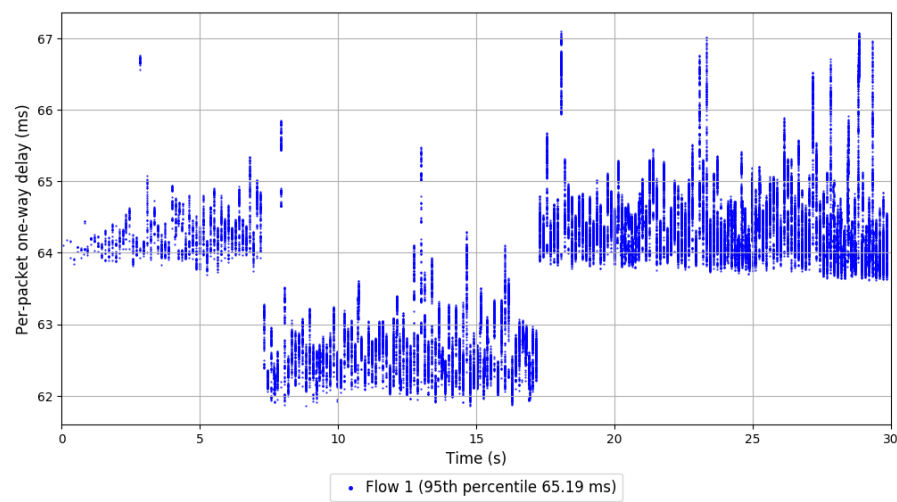
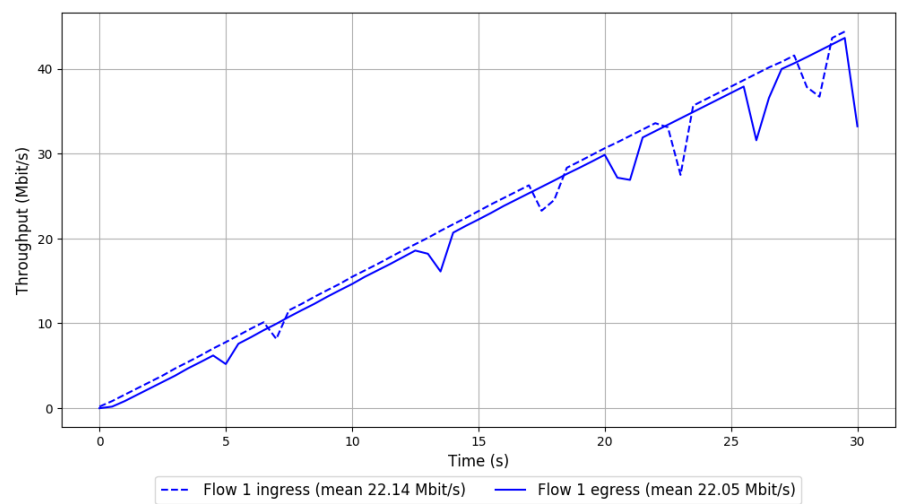


Run 2: Statistics of LEDBAT

Start at: 2018-06-19 17:24:34
End at: 2018-06-19 17:25:04
Local clock offset: -0.046 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 65.192 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 65.192 ms
Loss rate: 0.84%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-19 17:44:53

End at: 2018-06-19 17:45:23

Local clock offset: -0.017 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-06-19 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.81 Mbit/s

95th percentile per-packet one-way delay: 64.582 ms

Loss rate: 0.85%

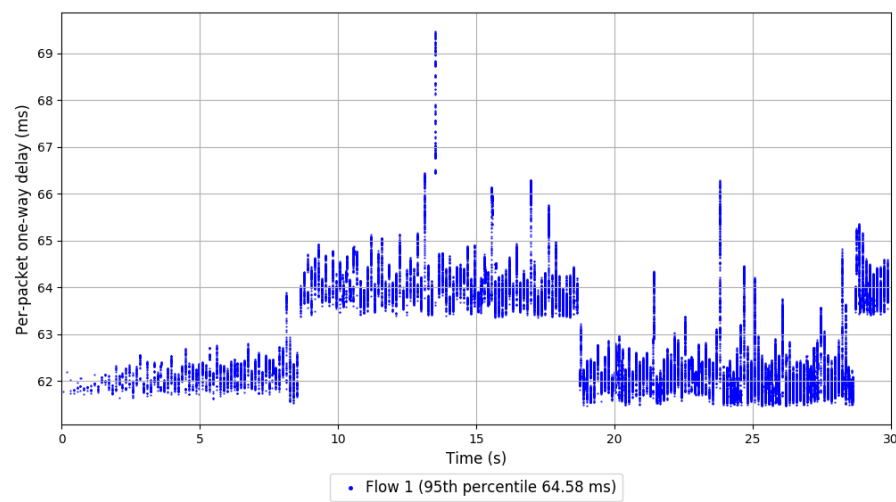
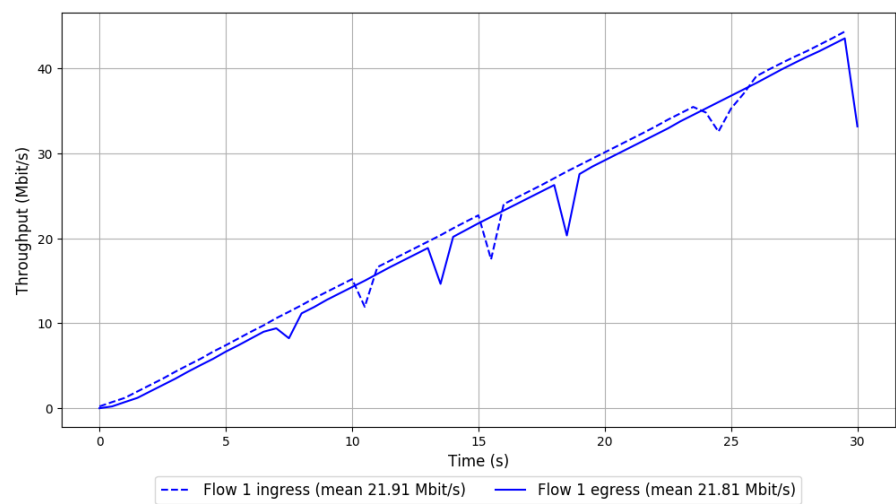
-- Flow 1:

Average throughput: 21.81 Mbit/s

95th percentile per-packet one-way delay: 64.582 ms

Loss rate: 0.85%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-19 18:05:28

End at: 2018-06-19 18:05:58

Local clock offset: 0.053 ms

Remote clock offset: 0.942 ms

Below is generated by plot.py at 2018-06-19 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.34 Mbit/s

95th percentile per-packet one-way delay: 62.564 ms

Loss rate: 0.84%

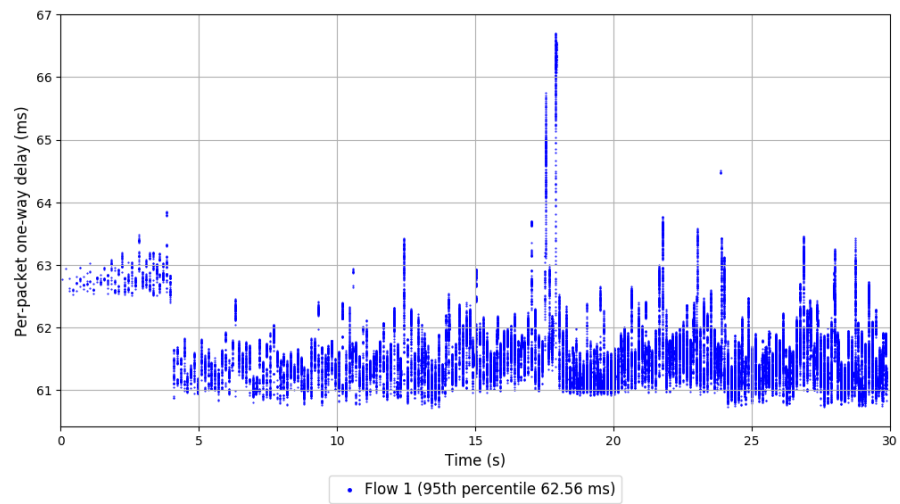
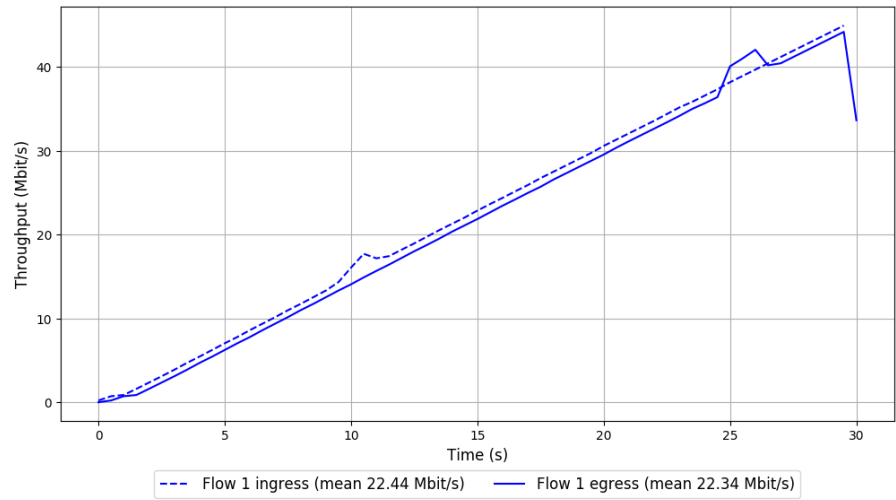
-- Flow 1:

Average throughput: 22.34 Mbit/s

95th percentile per-packet one-way delay: 62.564 ms

Loss rate: 0.84%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-19 18:25:59

End at: 2018-06-19 18:26:29

Local clock offset: 0.056 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-06-19 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.28 Mbit/s

95th percentile per-packet one-way delay: 64.337 ms

Loss rate: 0.84%

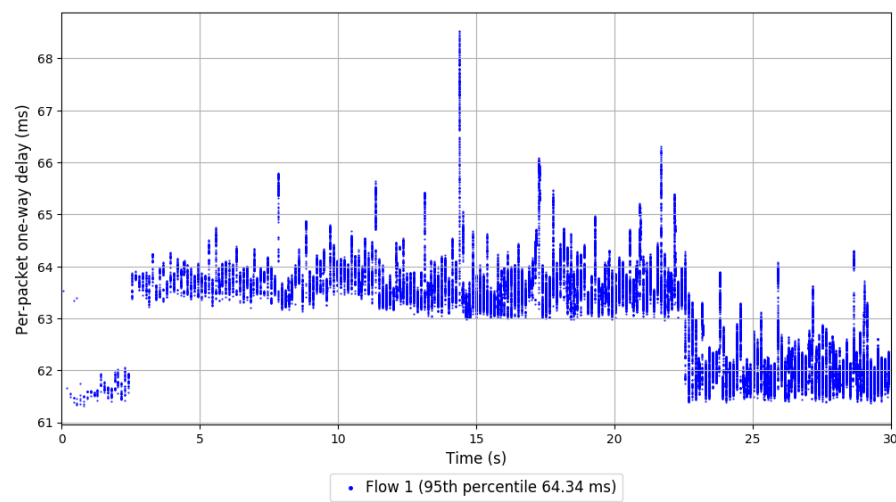
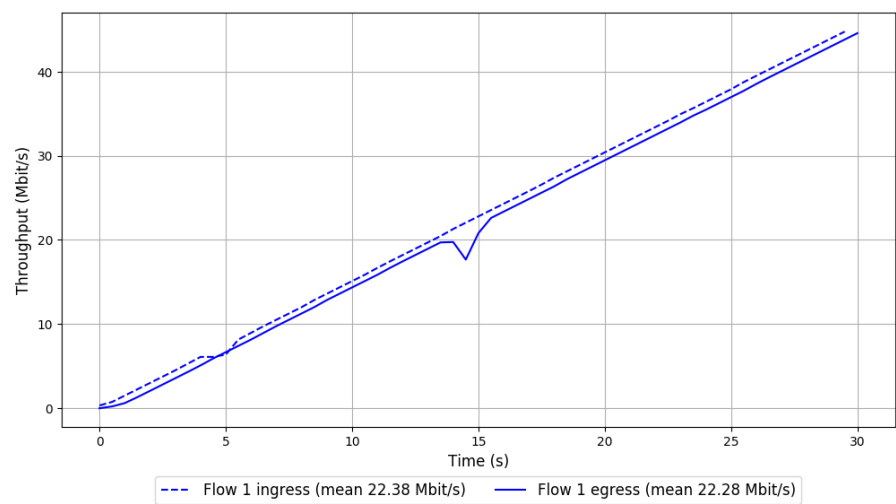
-- Flow 1:

Average throughput: 22.28 Mbit/s

95th percentile per-packet one-way delay: 64.337 ms

Loss rate: 0.84%

Run 5: Report of LEDBAT — Data Link

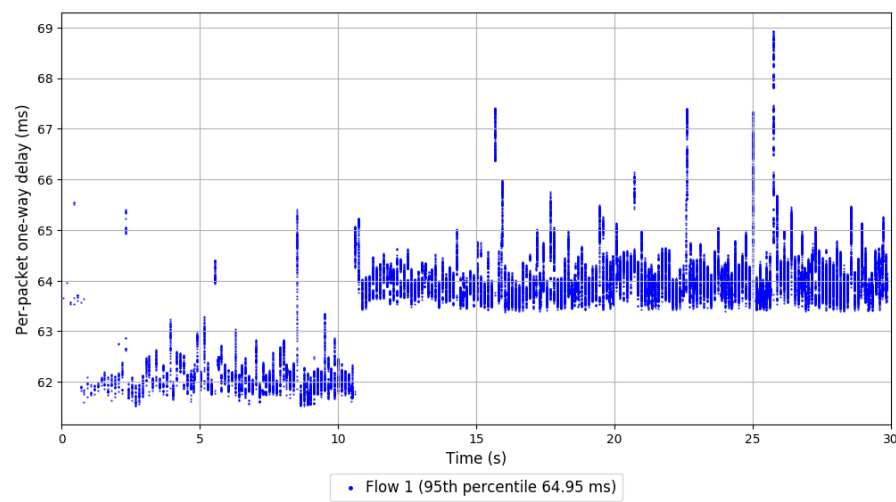
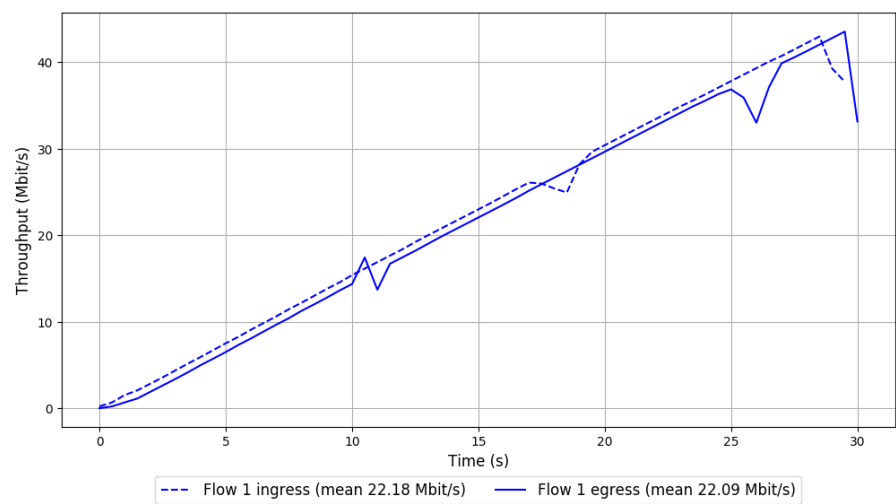


Run 6: Statistics of LEDBAT

Start at: 2018-06-19 18:46:11
End at: 2018-06-19 18:46:41
Local clock offset: -0.094 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 64.955 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 64.955 ms
Loss rate: 0.84%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-19 19:06:41

End at: 2018-06-19 19:07:11

Local clock offset: -0.004 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-06-19 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.30 Mbit/s

95th percentile per-packet one-way delay: 62.917 ms

Loss rate: 0.84%

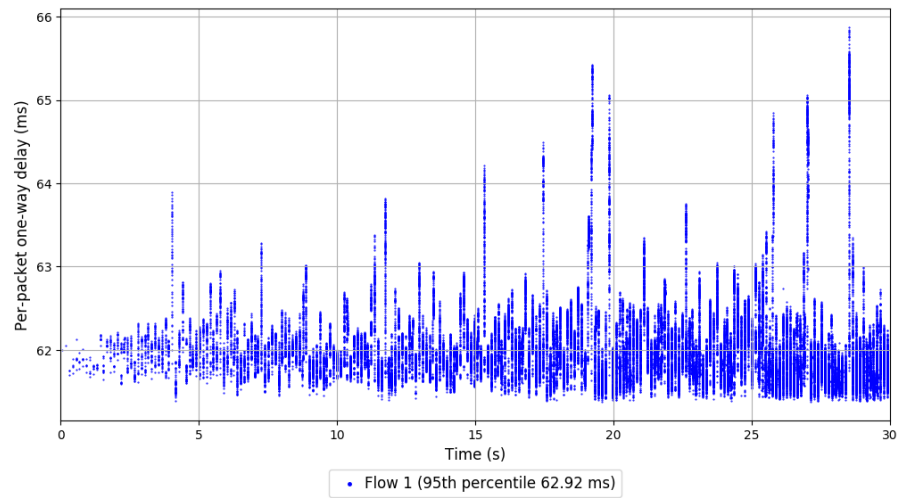
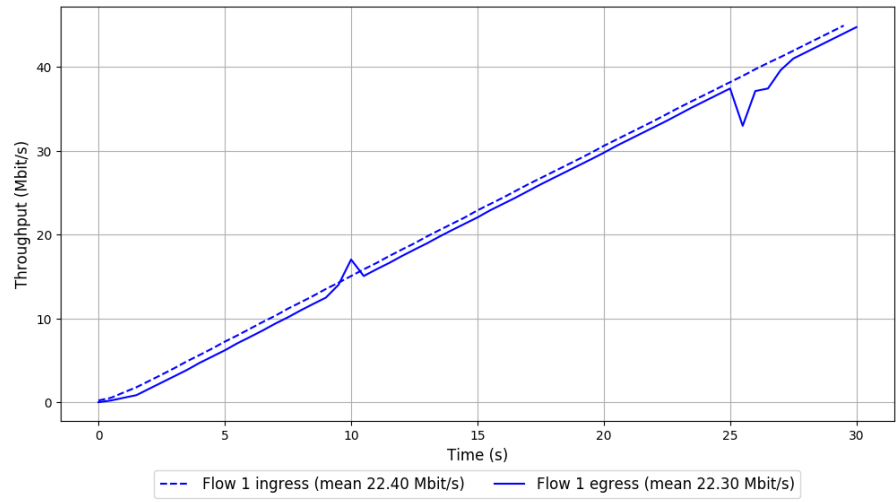
-- Flow 1:

Average throughput: 22.30 Mbit/s

95th percentile per-packet one-way delay: 62.917 ms

Loss rate: 0.84%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-19 19:26:59

End at: 2018-06-19 19:27:29

Local clock offset: 0.118 ms

Remote clock offset: 0.35 ms

Below is generated by plot.py at 2018-06-19 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.77 Mbit/s

95th percentile per-packet one-way delay: 64.523 ms

Loss rate: 0.84%

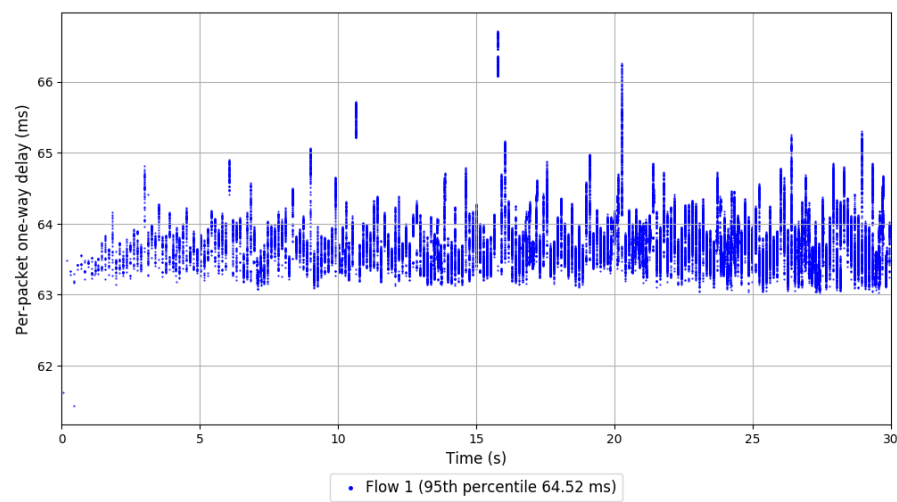
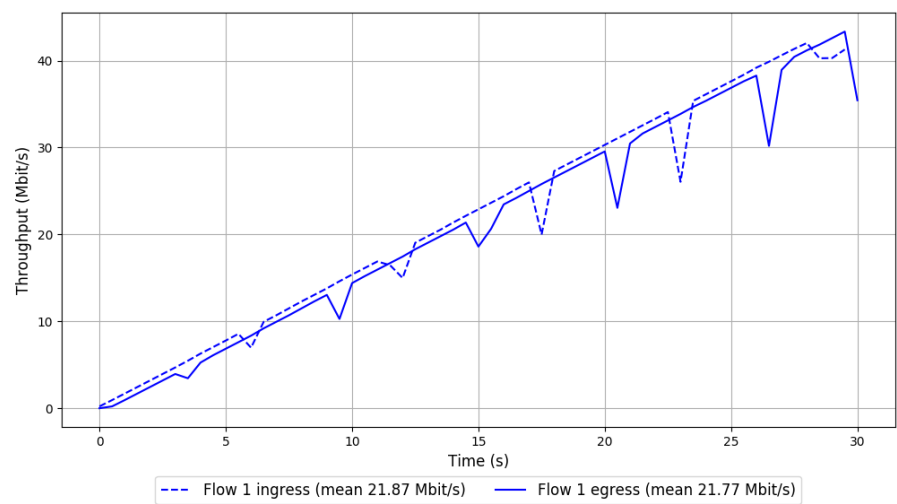
-- Flow 1:

Average throughput: 21.77 Mbit/s

95th percentile per-packet one-way delay: 64.523 ms

Loss rate: 0.84%

Run 8: Report of LEDBAT — Data Link

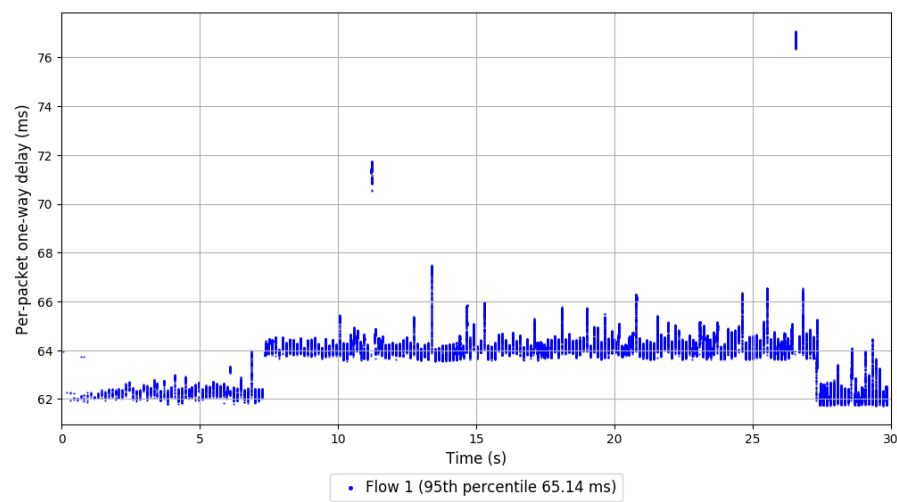
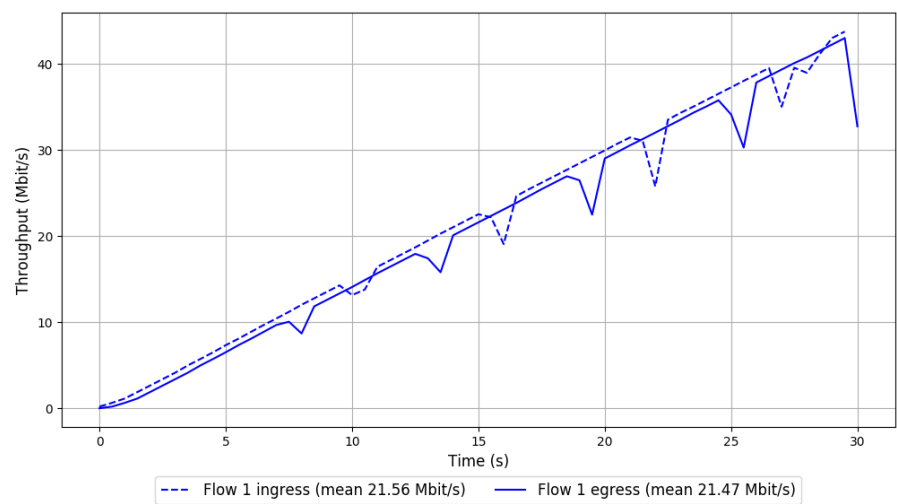


Run 9: Statistics of LEDBAT

Start at: 2018-06-19 19:47:34
End at: 2018-06-19 19:48:04
Local clock offset: 0.042 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.47 Mbit/s
95th percentile per-packet one-way delay: 65.139 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 21.47 Mbit/s
95th percentile per-packet one-way delay: 65.139 ms
Loss rate: 0.85%

Run 9: Report of LEDBAT — Data Link

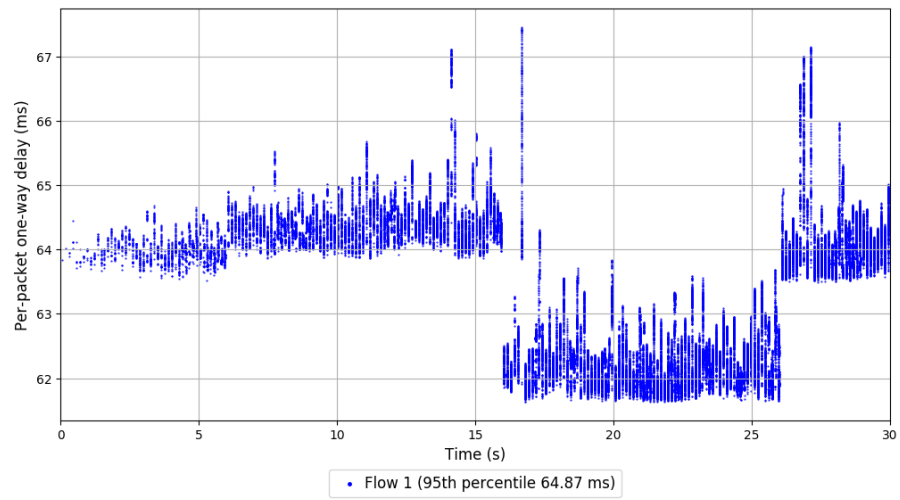
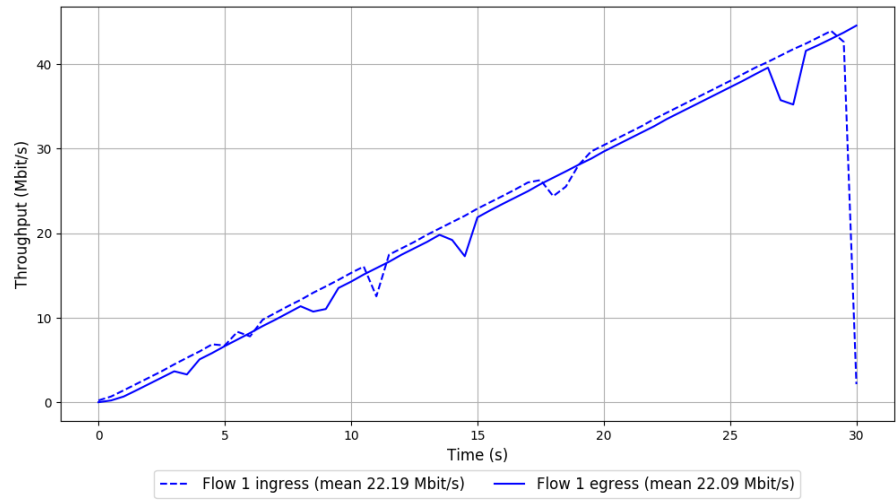


Run 10: Statistics of LEDBAT

Start at: 2018-06-19 20:08:16
End at: 2018-06-19 20:08:46
Local clock offset: -0.093 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-06-19 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 64.867 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 64.867 ms
Loss rate: 0.85%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-19 17:20:56

End at: 2018-06-19 17:21:26

Local clock offset: -0.065 ms

Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-06-19 21:28:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 539.54 Mbit/s

95th percentile per-packet one-way delay: 156.513 ms

Loss rate: 3.31%

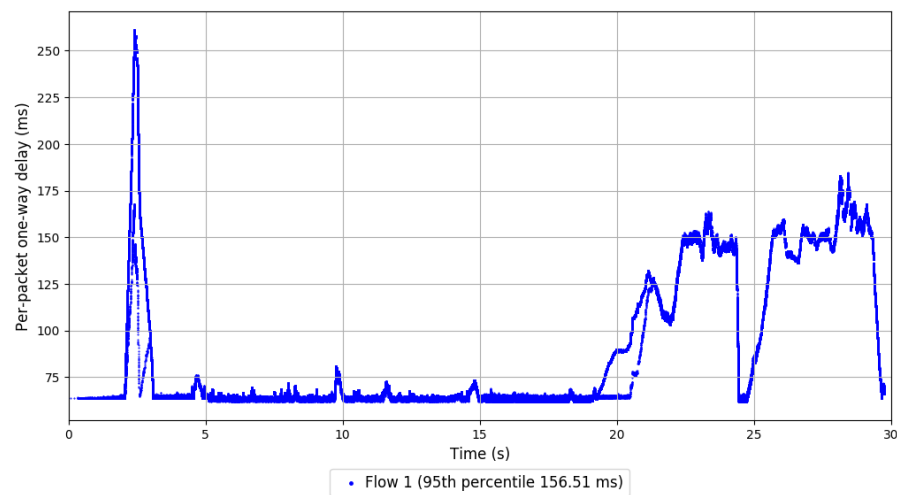
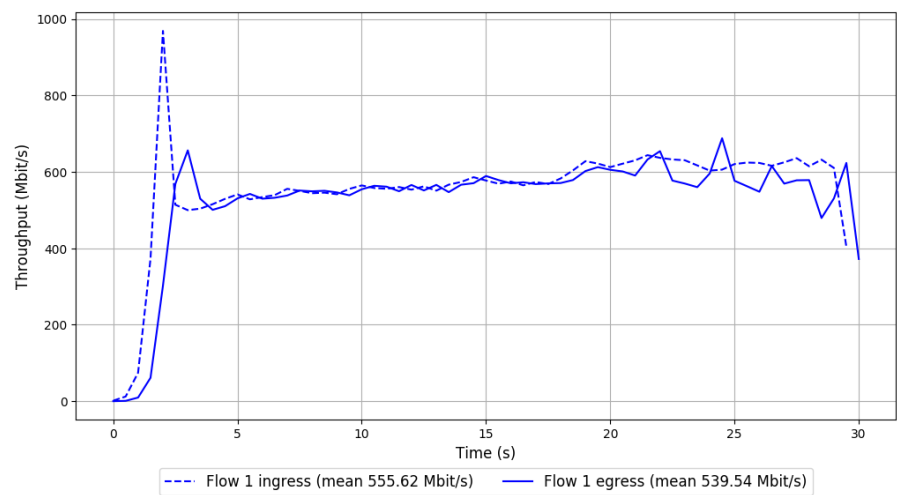
-- Flow 1:

Average throughput: 539.54 Mbit/s

95th percentile per-packet one-way delay: 156.513 ms

Loss rate: 3.31%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-19 17:41:16

End at: 2018-06-19 17:41:46

Local clock offset: -0.075 ms

Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-06-19 21:28:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 500.34 Mbit/s

95th percentile per-packet one-way delay: 123.551 ms

Loss rate: 1.07%

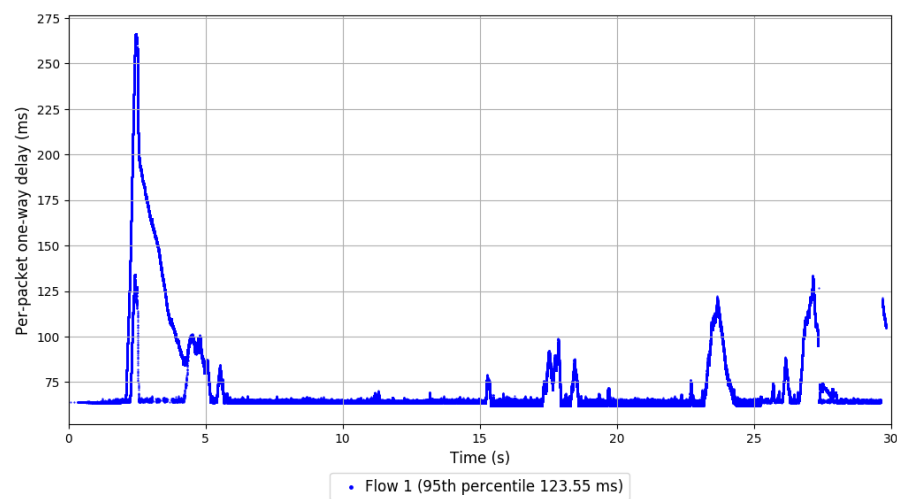
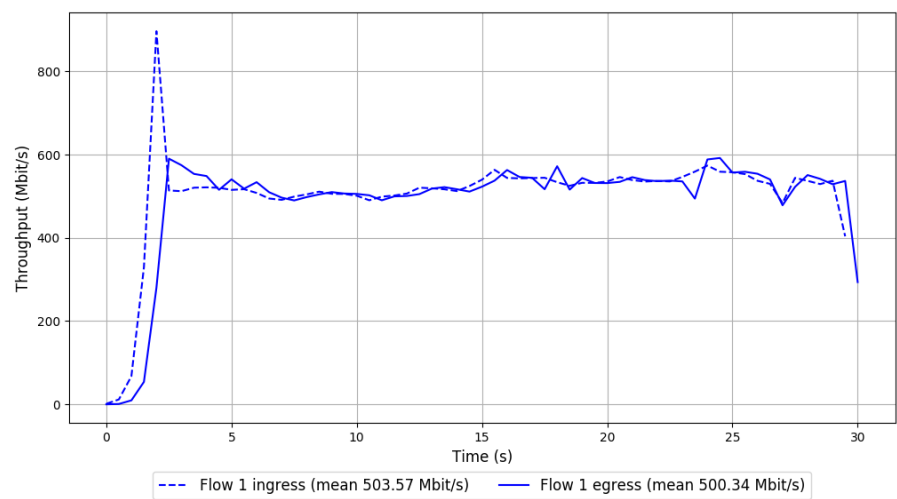
-- Flow 1:

Average throughput: 500.34 Mbit/s

95th percentile per-packet one-way delay: 123.551 ms

Loss rate: 1.07%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-19 18:01:51

End at: 2018-06-19 18:02:21

Local clock offset: 0.048 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-19 21:28:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.16 Mbit/s

95th percentile per-packet one-way delay: 161.688 ms

Loss rate: 1.04%

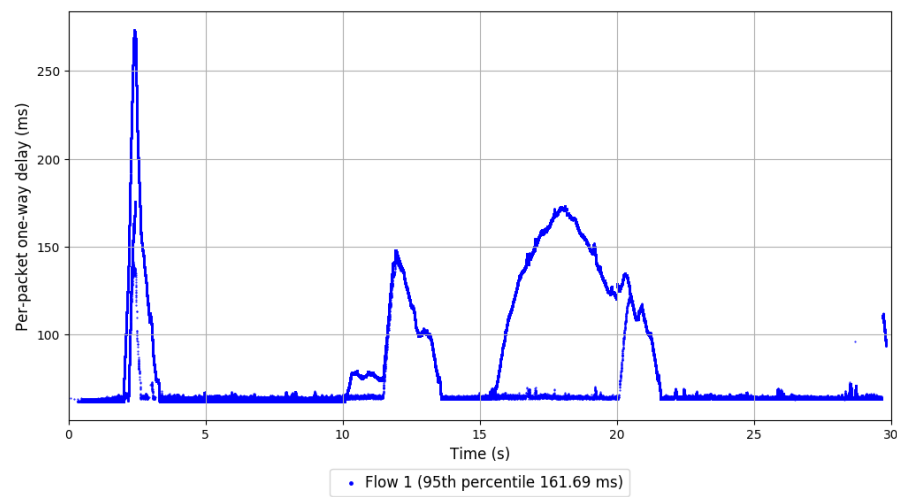
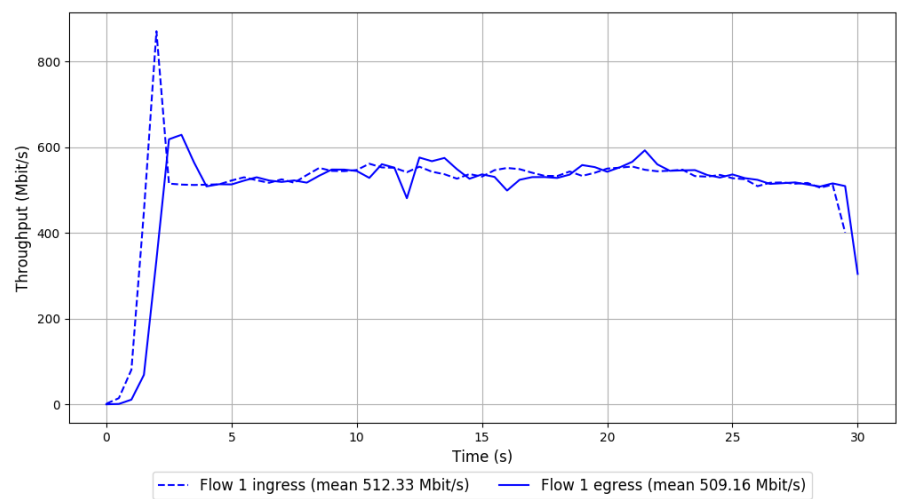
-- Flow 1:

Average throughput: 509.16 Mbit/s

95th percentile per-packet one-way delay: 161.688 ms

Loss rate: 1.04%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-19 18:22:22

End at: 2018-06-19 18:22:52

Local clock offset: 0.106 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-06-19 21:28:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 529.66 Mbit/s

95th percentile per-packet one-way delay: 140.323 ms

Loss rate: 1.45%

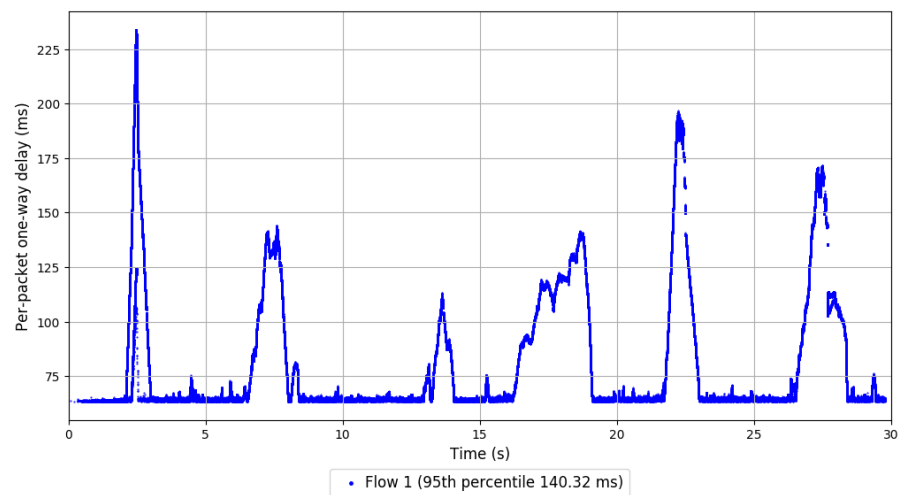
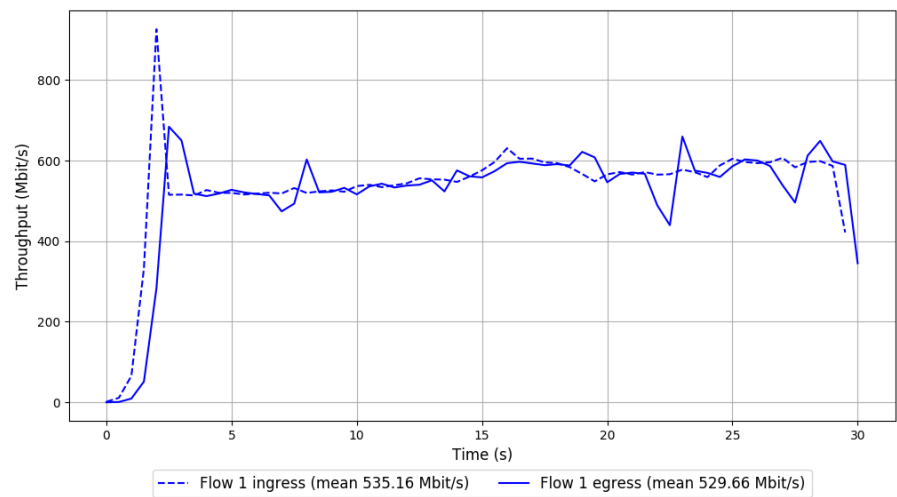
-- Flow 1:

Average throughput: 529.66 Mbit/s

95th percentile per-packet one-way delay: 140.323 ms

Loss rate: 1.45%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-19 18:42:34

End at: 2018-06-19 18:43:04

Local clock offset: -0.095 ms

Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-06-19 21:28:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.42 Mbit/s

95th percentile per-packet one-way delay: 244.694 ms

Loss rate: 4.12%

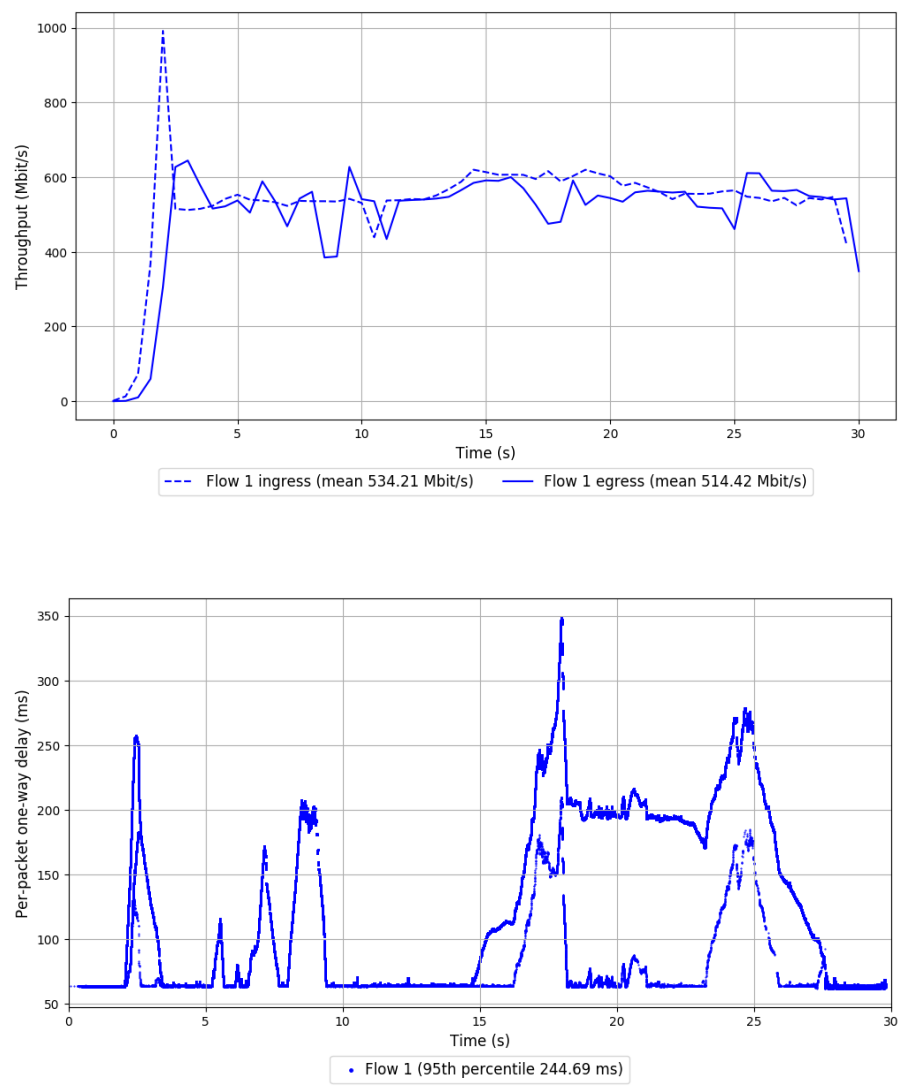
-- Flow 1:

Average throughput: 514.42 Mbit/s

95th percentile per-packet one-way delay: 244.694 ms

Loss rate: 4.12%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-19 19:03:04

End at: 2018-06-19 19:03:34

Local clock offset: 0.006 ms

Remote clock offset: 1.297 ms

Below is generated by plot.py at 2018-06-19 21:29:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 541.62 Mbit/s

95th percentile per-packet one-way delay: 190.128 ms

Loss rate: 2.54%

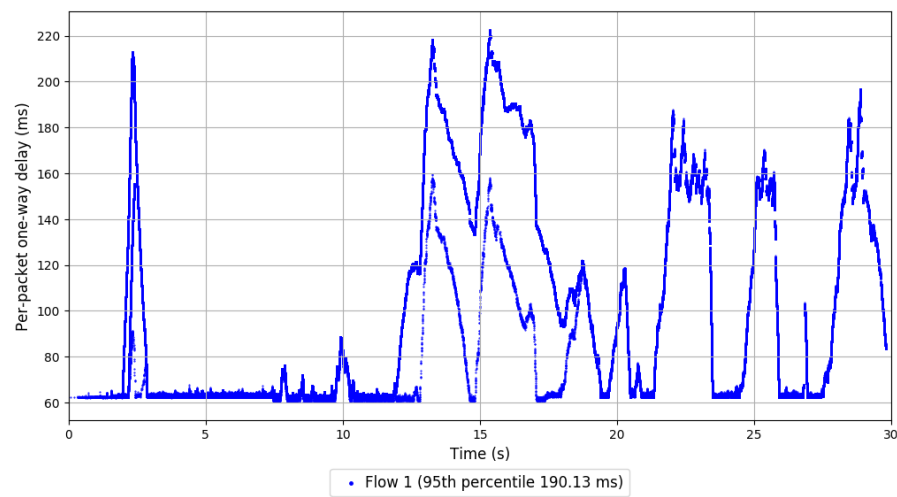
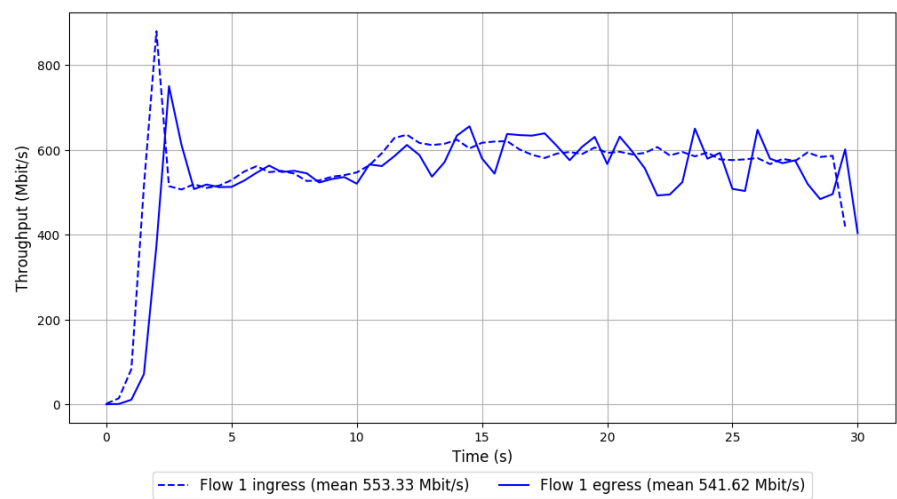
-- Flow 1:

Average throughput: 541.62 Mbit/s

95th percentile per-packet one-way delay: 190.128 ms

Loss rate: 2.54%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-19 19:23:22

End at: 2018-06-19 19:23:52

Local clock offset: 0.125 ms

Remote clock offset: -1.483 ms

Below is generated by plot.py at 2018-06-19 21:29:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.52 Mbit/s

95th percentile per-packet one-way delay: 168.690 ms

Loss rate: 0.98%

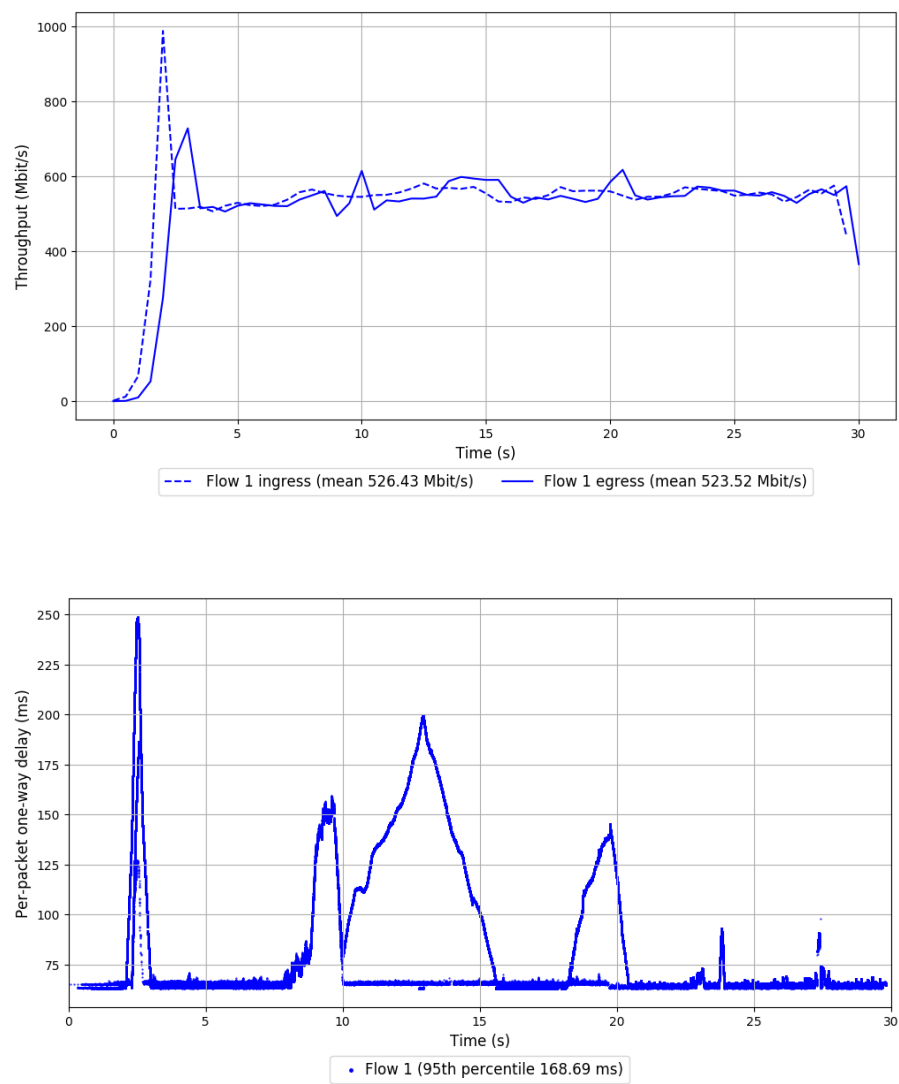
-- Flow 1:

Average throughput: 523.52 Mbit/s

95th percentile per-packet one-way delay: 168.690 ms

Loss rate: 0.98%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-19 19:43:58

End at: 2018-06-19 19:44:28

Local clock offset: 0.065 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-06-19 21:38:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 503.84 Mbit/s

95th percentile per-packet one-way delay: 166.363 ms

Loss rate: 1.98%

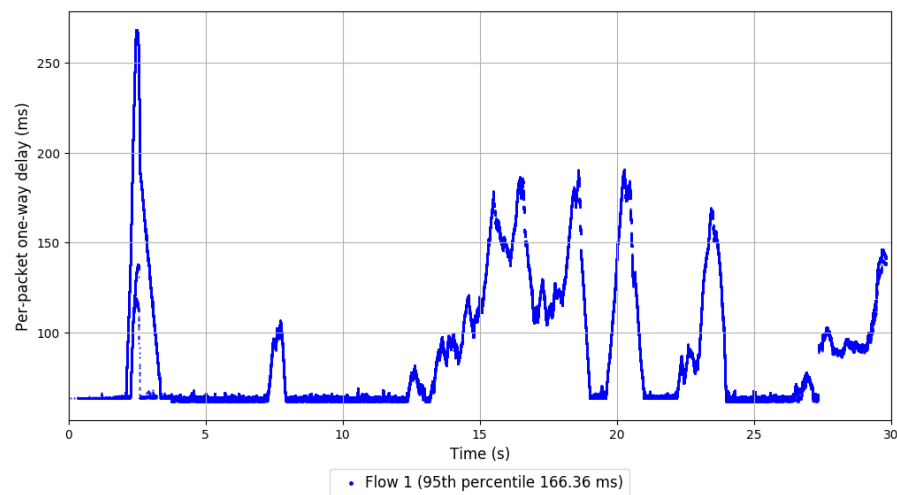
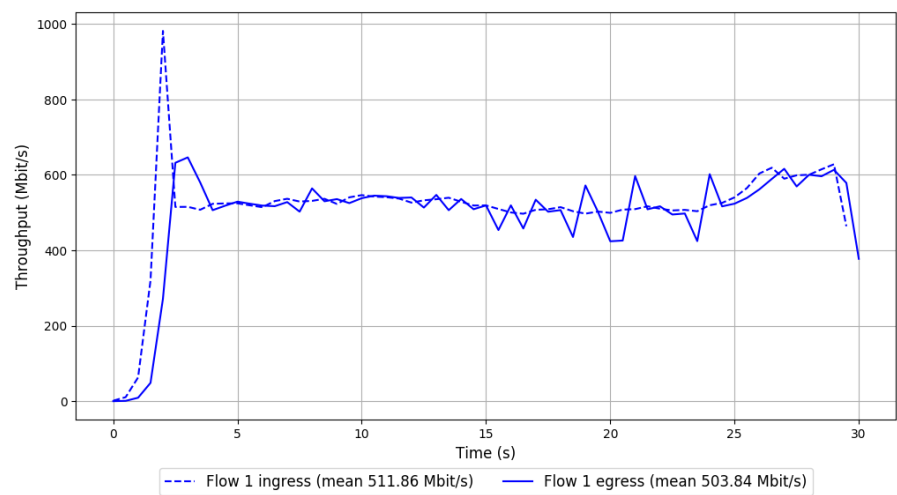
-- Flow 1:

Average throughput: 503.84 Mbit/s

95th percentile per-packet one-way delay: 166.363 ms

Loss rate: 1.98%

Run 8: Report of PCC-Allegro — Data Link

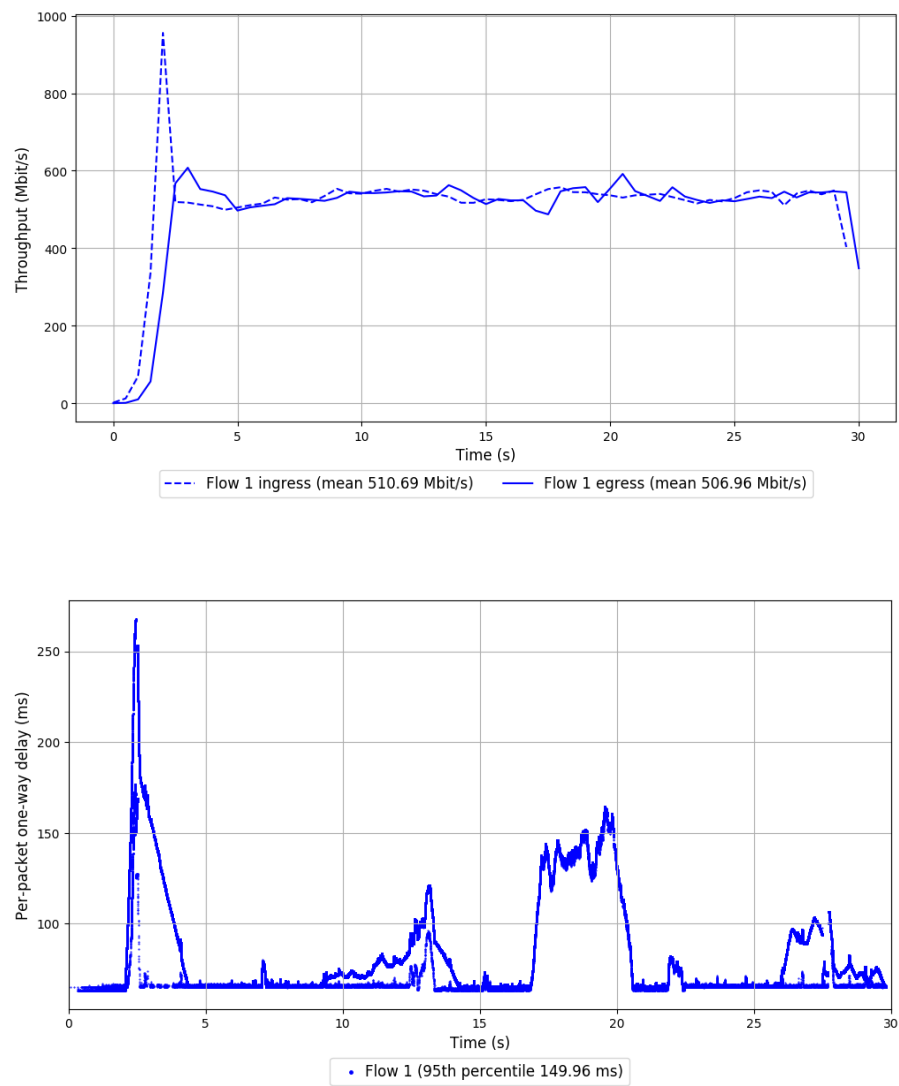


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-19 20:04:39
End at: 2018-06-19 20:05:09
Local clock offset: -0.015 ms
Remote clock offset: -1.588 ms

Below is generated by plot.py at 2018-06-19 21:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.96 Mbit/s
95th percentile per-packet one-way delay: 149.960 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 506.96 Mbit/s
95th percentile per-packet one-way delay: 149.960 ms
Loss rate: 1.15%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-19 20:25:16

End at: 2018-06-19 20:25:46

Local clock offset: 0.116 ms

Remote clock offset: 1.257 ms

Below is generated by plot.py at 2018-06-19 21:39:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 534.35 Mbit/s

95th percentile per-packet one-way delay: 148.582 ms

Loss rate: 1.42%

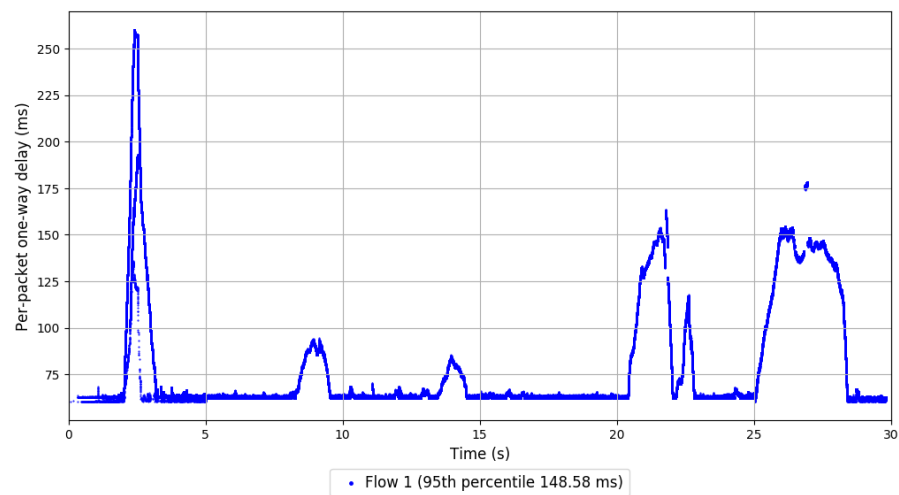
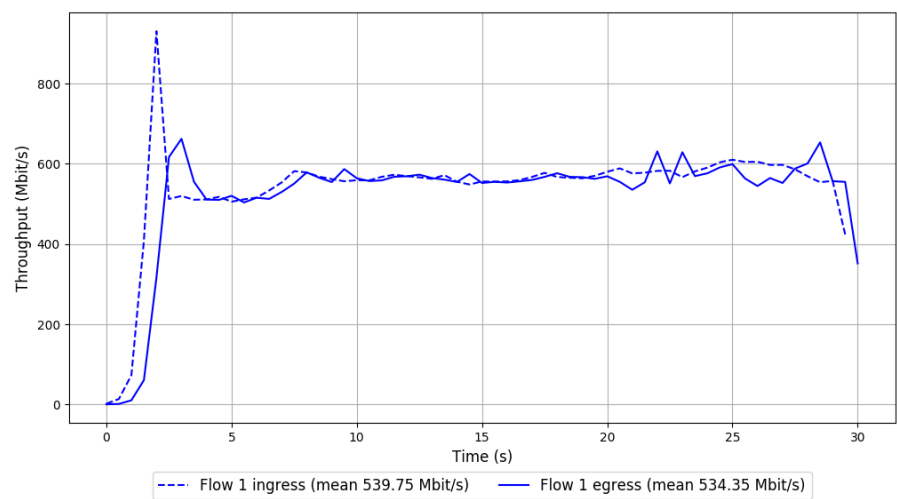
-- Flow 1:

Average throughput: 534.35 Mbit/s

95th percentile per-packet one-way delay: 148.582 ms

Loss rate: 1.42%

Run 10: Report of PCC-Allegro — Data Link

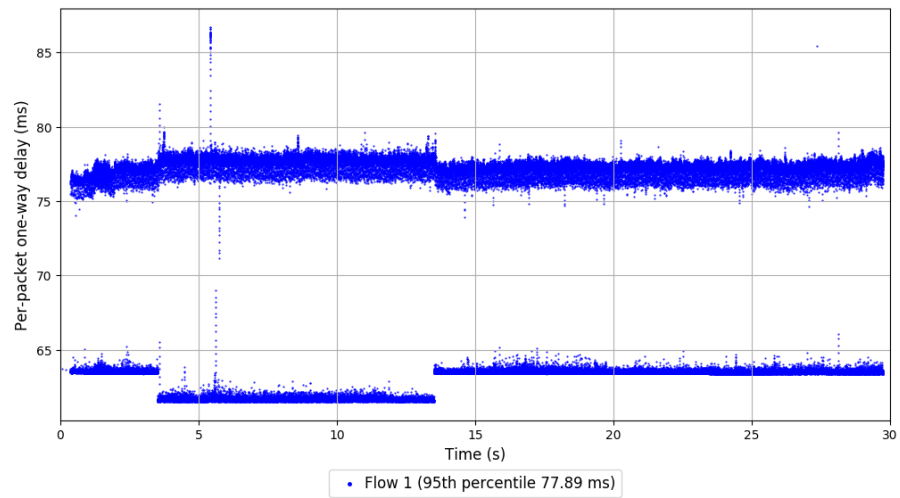
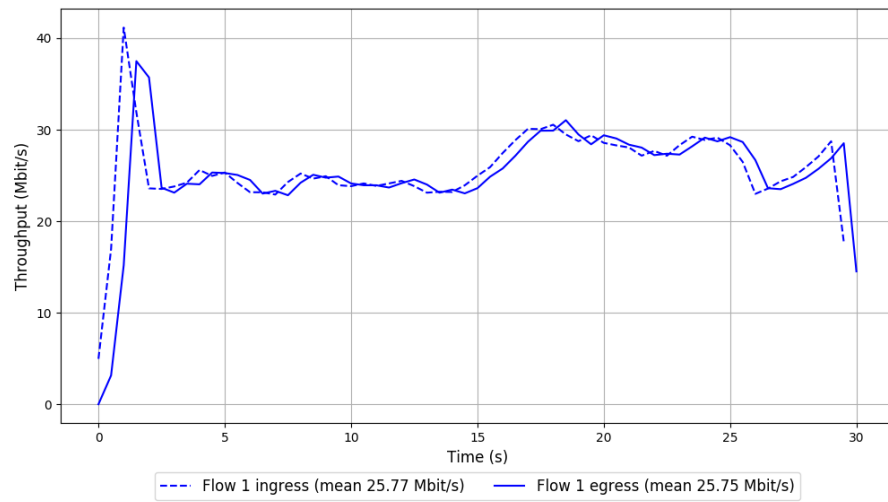


Run 1: Statistics of PCC-Expr

Start at: 2018-06-19 17:19:48
End at: 2018-06-19 17:20:18
Local clock offset: -0.021 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-06-19 21:39:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 77.894 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 77.894 ms
Loss rate: 0.50%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-19 17:39:53

End at: 2018-06-19 17:40:23

Local clock offset: -0.004 ms

Remote clock offset: 1.248 ms

Below is generated by plot.py at 2018-06-19 21:39:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.16 Mbit/s

95th percentile per-packet one-way delay: 62.564 ms

Loss rate: 0.51%

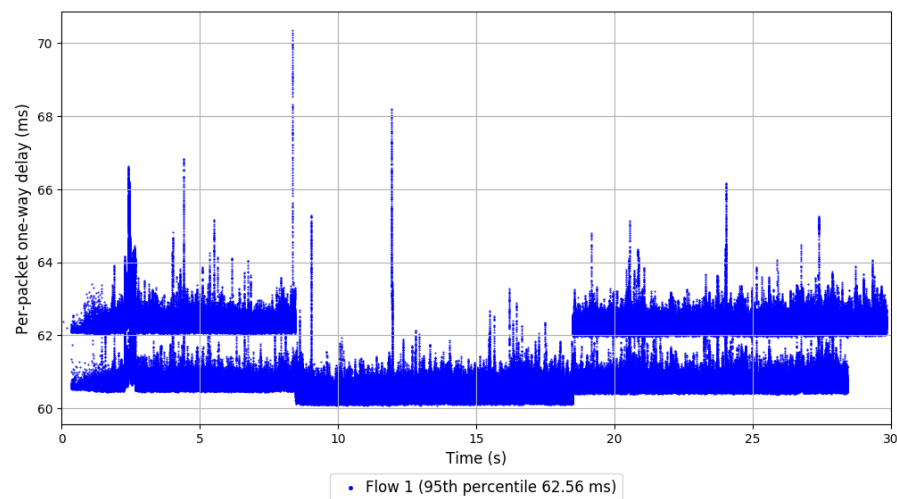
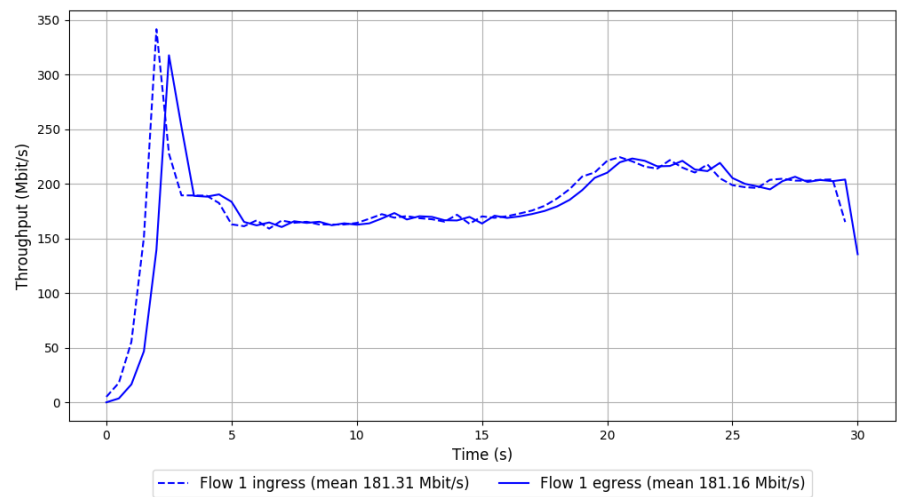
-- Flow 1:

Average throughput: 181.16 Mbit/s

95th percentile per-packet one-way delay: 62.564 ms

Loss rate: 0.51%

Run 2: Report of PCC-Expr — Data Link

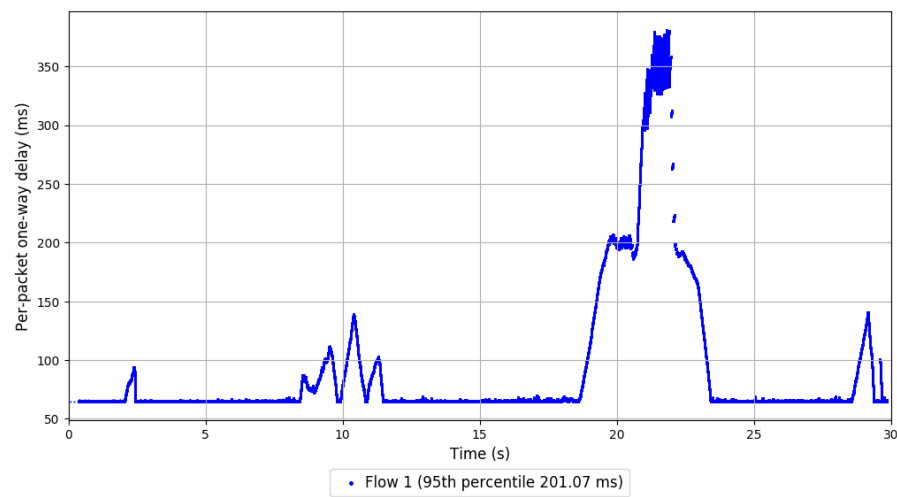
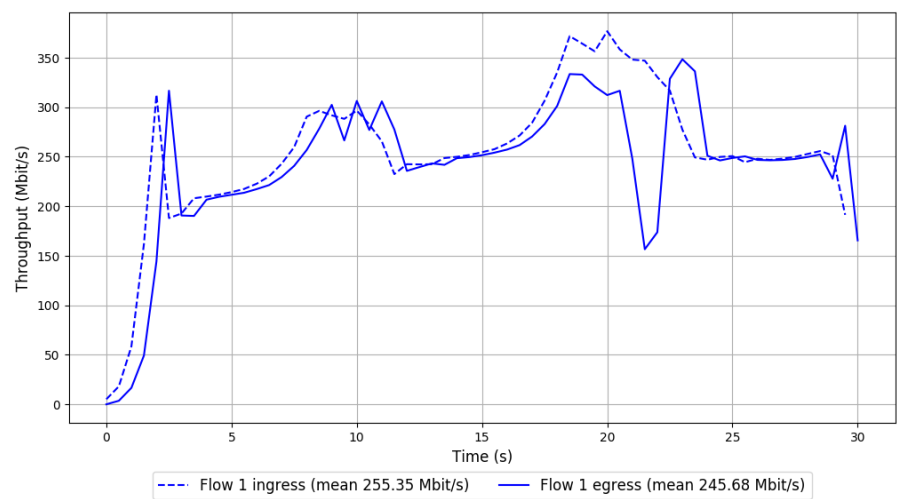


Run 3: Statistics of PCC-Expr

Start at: 2018-06-19 18:00:23
End at: 2018-06-19 18:00:53
Local clock offset: -0.032 ms
Remote clock offset: -1.433 ms

Below is generated by plot.py at 2018-06-19 21:39:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.68 Mbit/s
95th percentile per-packet one-way delay: 201.071 ms
Loss rate: 4.20%
-- Flow 1:
Average throughput: 245.68 Mbit/s
95th percentile per-packet one-way delay: 201.071 ms
Loss rate: 4.20%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-19 18:20:58

End at: 2018-06-19 18:21:28

Local clock offset: 0.087 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-06-19 21:39:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.23 Mbit/s

95th percentile per-packet one-way delay: 63.598 ms

Loss rate: 0.51%

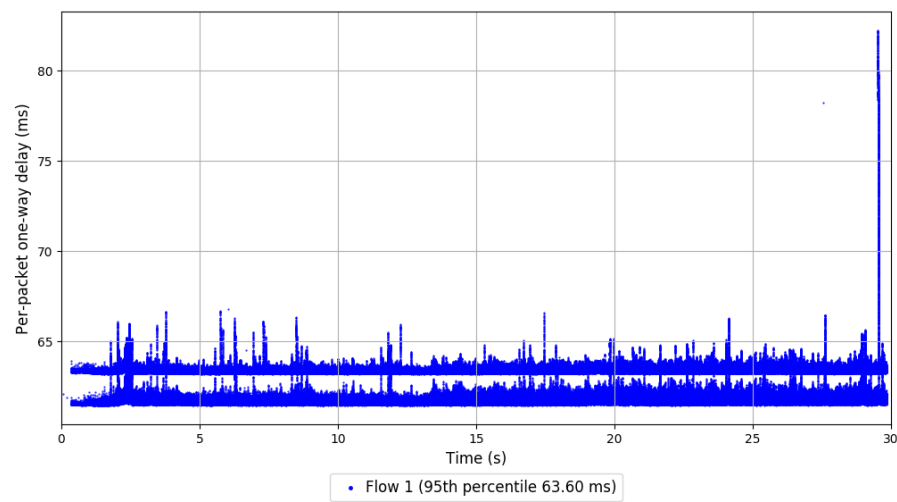
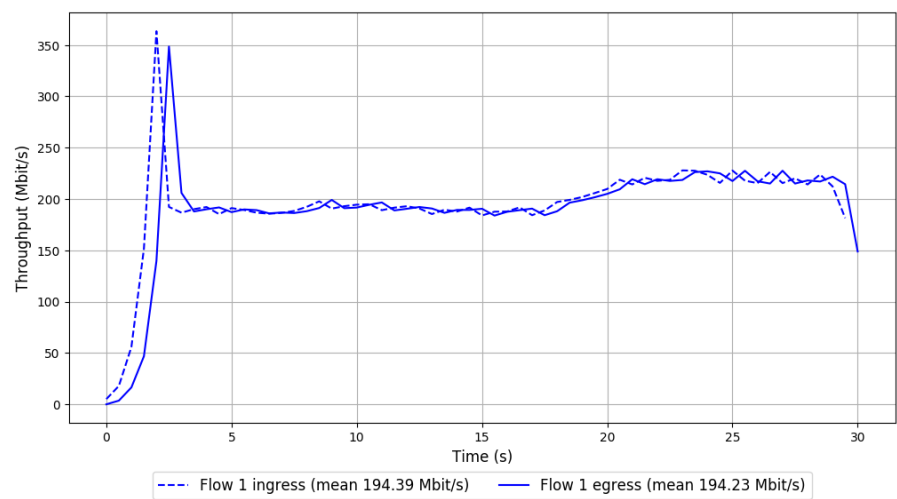
-- Flow 1:

Average throughput: 194.23 Mbit/s

95th percentile per-packet one-way delay: 63.598 ms

Loss rate: 0.51%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-19 18:41:05

End at: 2018-06-19 18:41:35

Local clock offset: -0.029 ms

Remote clock offset: 1.364 ms

Below is generated by plot.py at 2018-06-19 21:40:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.21 Mbit/s

95th percentile per-packet one-way delay: 174.212 ms

Loss rate: 6.31%

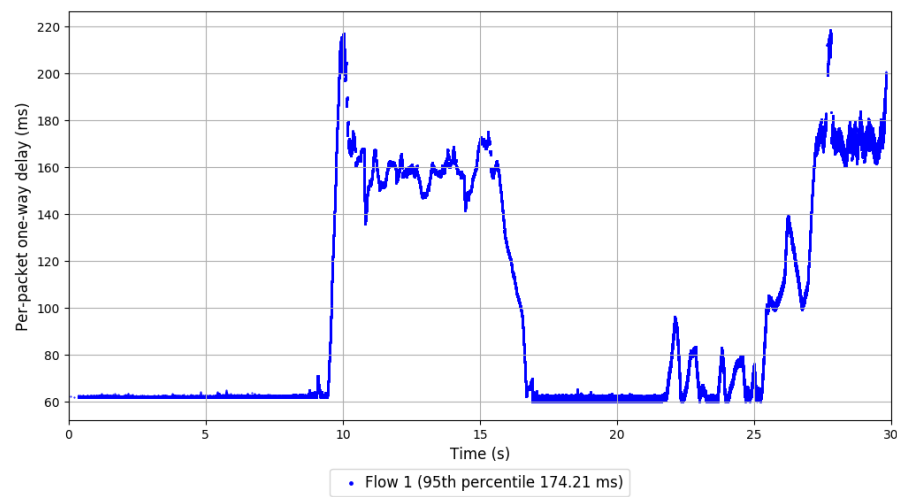
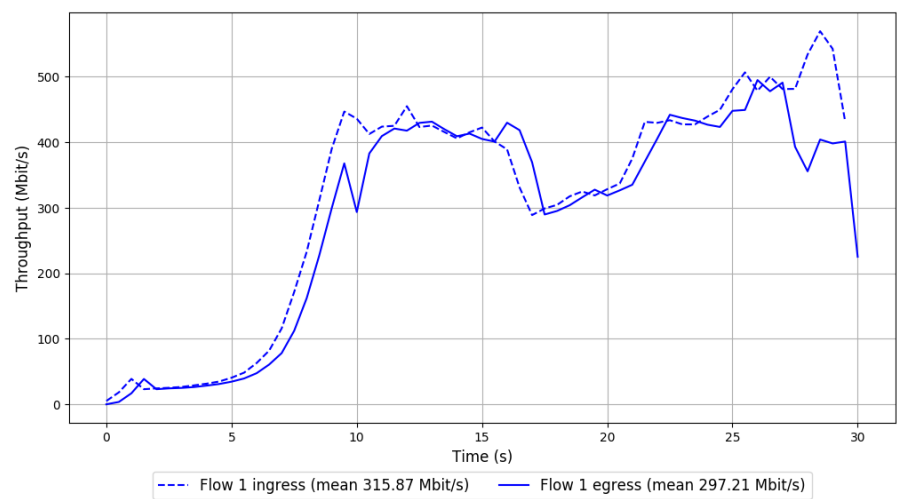
-- Flow 1:

Average throughput: 297.21 Mbit/s

95th percentile per-packet one-way delay: 174.212 ms

Loss rate: 6.31%

Run 5: Report of PCC-Expr — Data Link

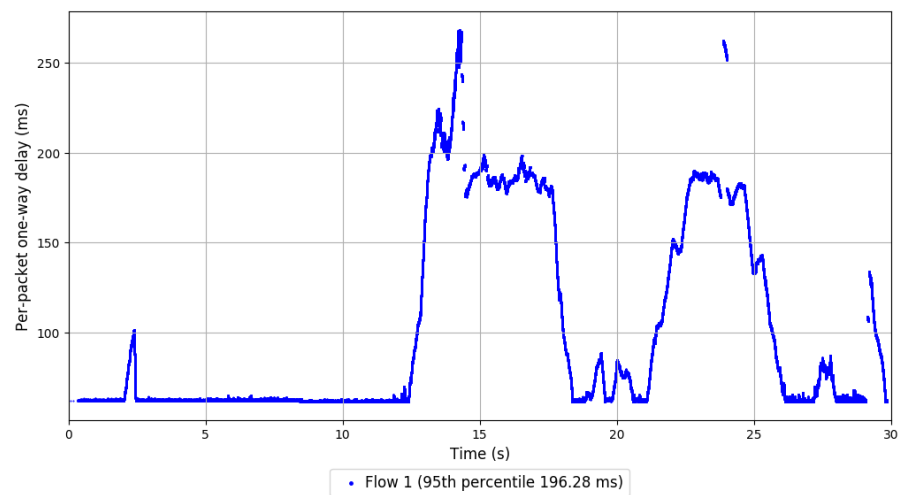
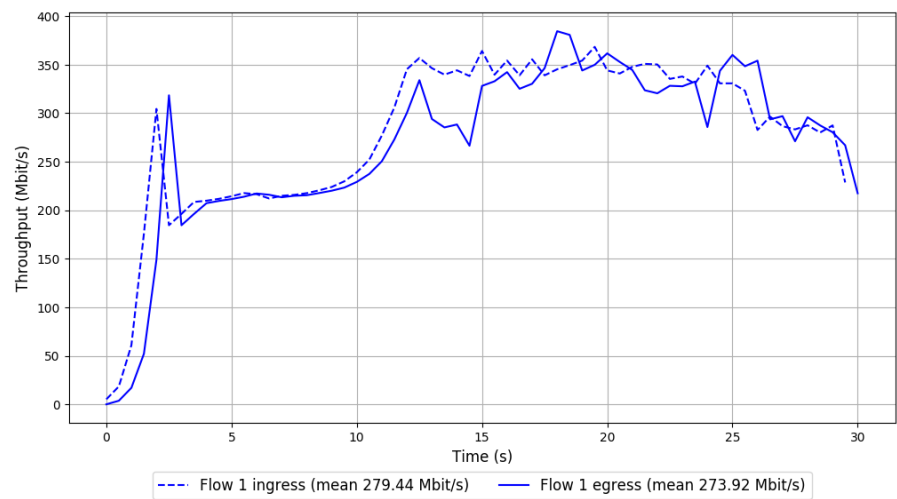


Run 6: Statistics of PCC-Expr

Start at: 2018-06-19 19:01:33
End at: 2018-06-19 19:02:03
Local clock offset: -0.091 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-19 21:40:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.92 Mbit/s
95th percentile per-packet one-way delay: 196.276 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 273.92 Mbit/s
95th percentile per-packet one-way delay: 196.276 ms
Loss rate: 2.39%

Run 6: Report of PCC-Expr — Data Link

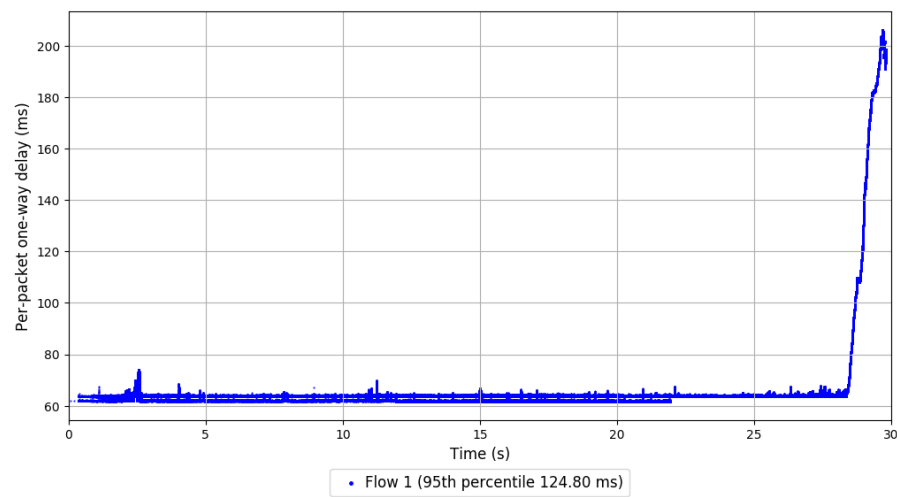
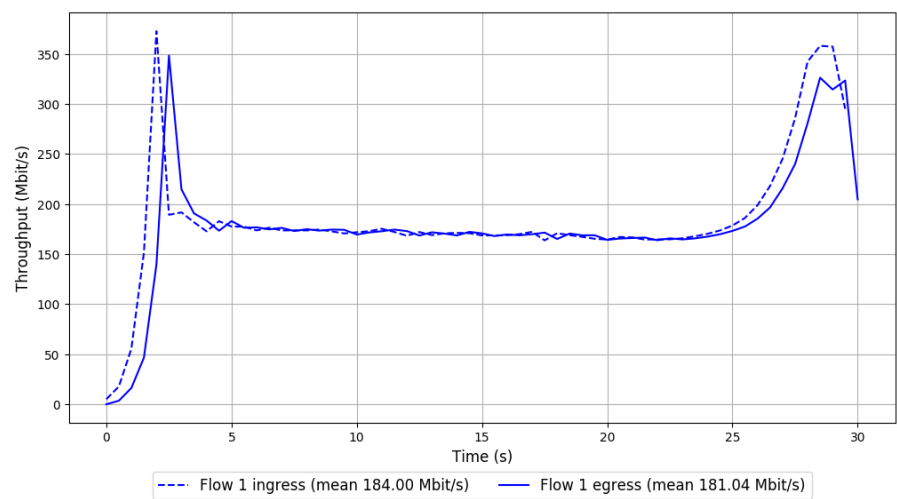


Run 7: Statistics of PCC-Expr

Start at: 2018-06-19 19:22:00
End at: 2018-06-19 19:22:30
Local clock offset: 0.101 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-06-19 21:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.04 Mbit/s
95th percentile per-packet one-way delay: 124.802 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 181.04 Mbit/s
95th percentile per-packet one-way delay: 124.802 ms
Loss rate: 2.02%

Run 7: Report of PCC-Expr — Data Link

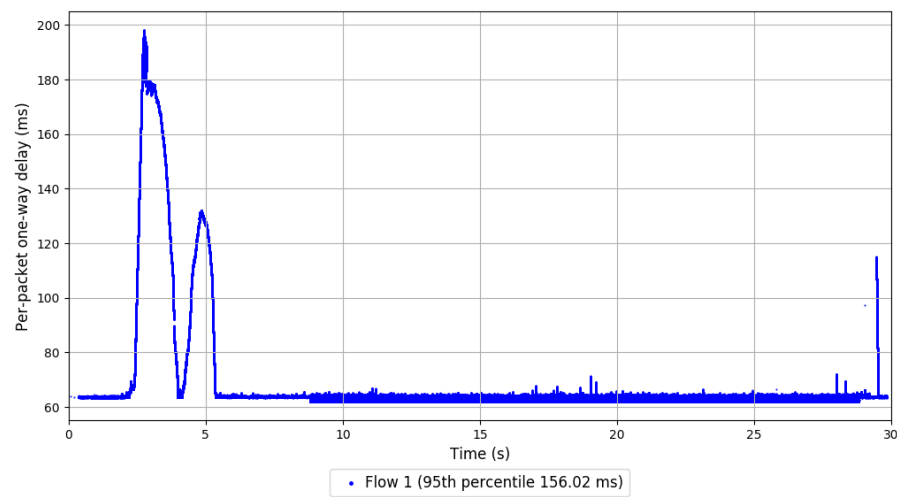
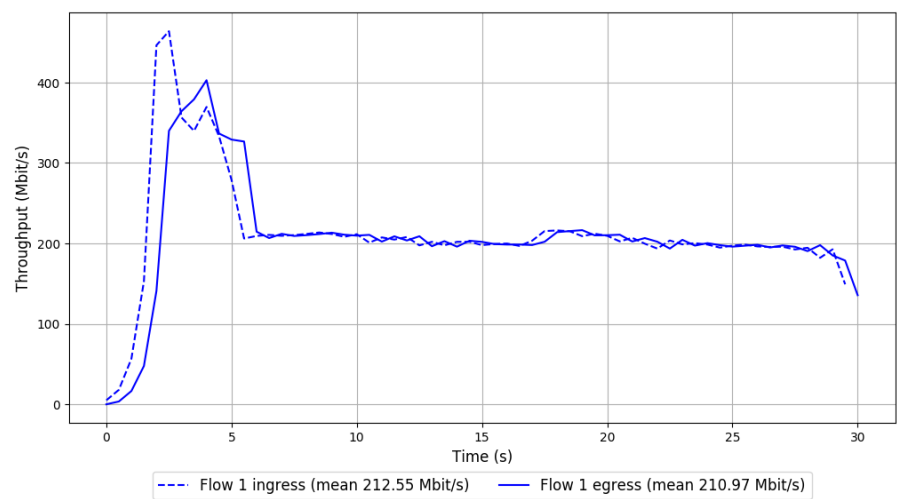


Run 8: Statistics of PCC-Expr

Start at: 2018-06-19 19:42:33
End at: 2018-06-19 19:43:03
Local clock offset: 0.034 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-06-19 21:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.97 Mbit/s
95th percentile per-packet one-way delay: 156.019 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 210.97 Mbit/s
95th percentile per-packet one-way delay: 156.019 ms
Loss rate: 1.17%

Run 8: Report of PCC-Expr — Data Link

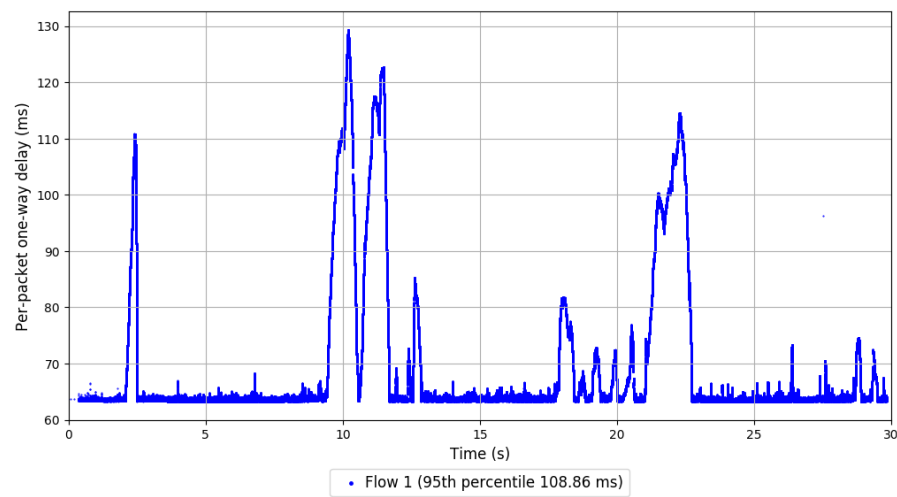
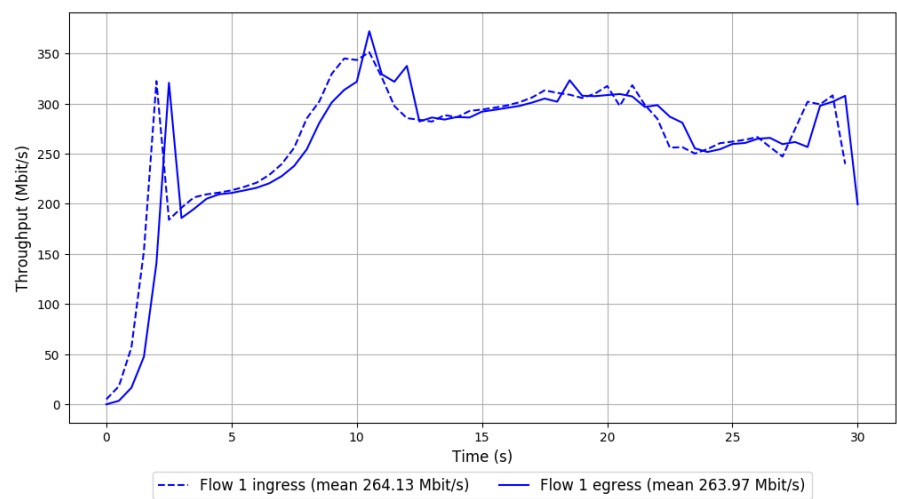


Run 9: Statistics of PCC-Expr

Start at: 2018-06-19 20:03:08
End at: 2018-06-19 20:03:38
Local clock offset: -0.052 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-19 21:48:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.97 Mbit/s
95th percentile per-packet one-way delay: 108.860 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 263.97 Mbit/s
95th percentile per-packet one-way delay: 108.860 ms
Loss rate: 0.49%

Run 9: Report of PCC-Expr — Data Link

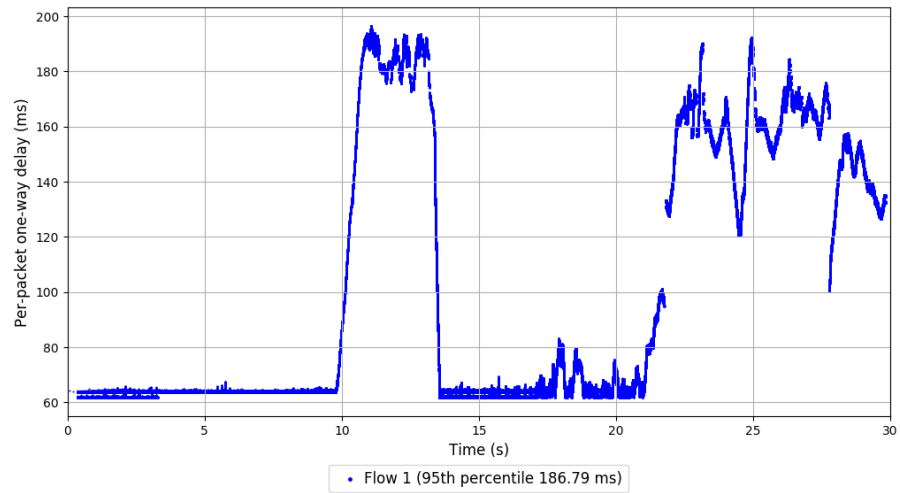
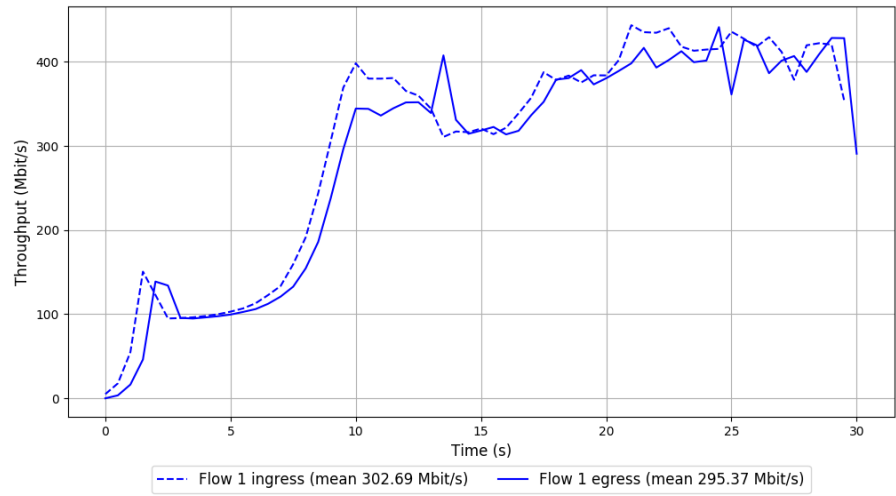


Run 10: Statistics of PCC-Expr

Start at: 2018-06-19 20:23:48
End at: 2018-06-19 20:24:18
Local clock offset: 0.087 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.37 Mbit/s
95th percentile per-packet one-way delay: 186.791 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 295.37 Mbit/s
95th percentile per-packet one-way delay: 186.791 ms
Loss rate: 2.84%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

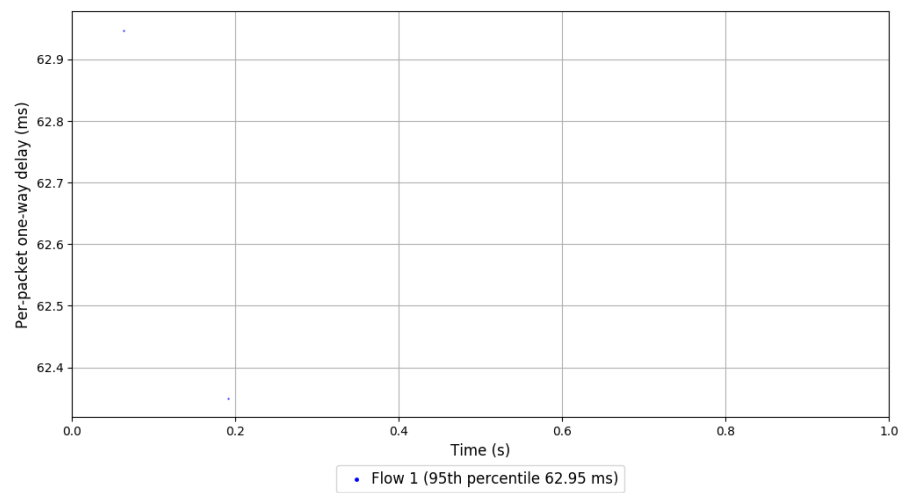
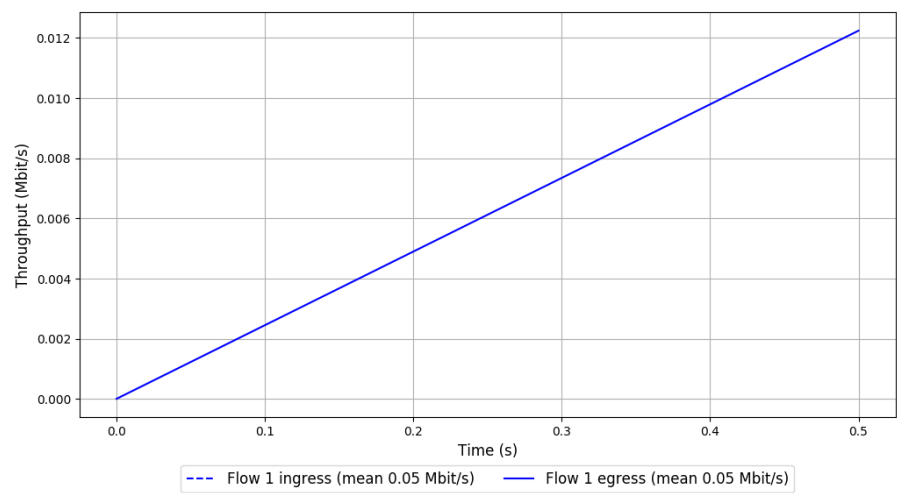
Start at: 2018-06-19 17:16:07

End at: 2018-06-19 17:16:37

Local clock offset: -0.087 ms

Remote clock offset: 1.179 ms

Run 1: Report of QUIC Cubic — Data Link

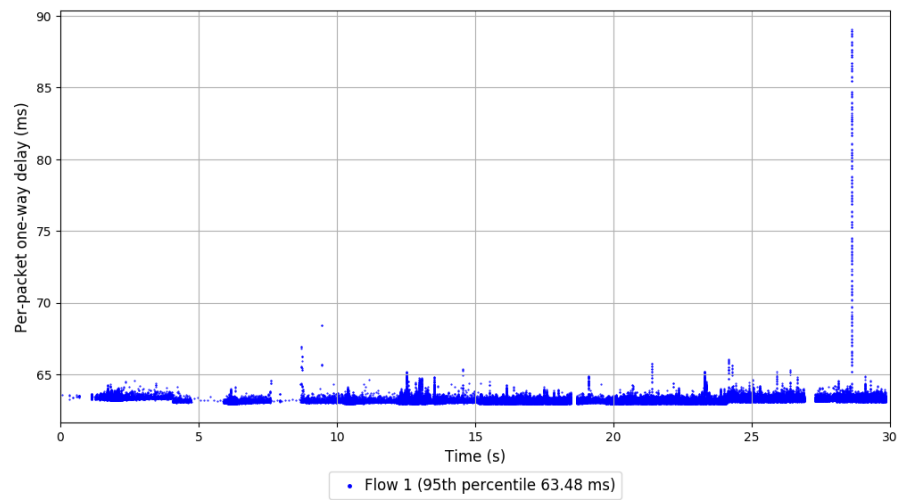
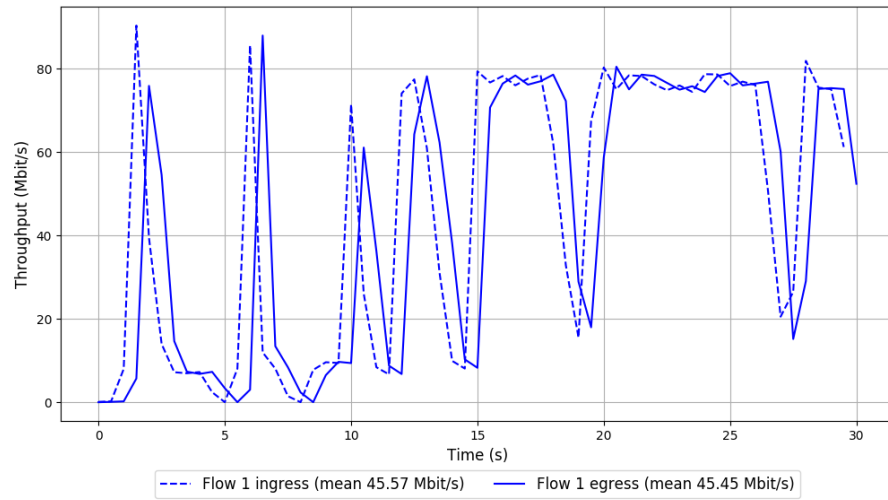


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-19 17:36:07
End at: 2018-06-19 17:36:37
Local clock offset: -0.004 ms
Remote clock offset: -1.494 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.45 Mbit/s
95th percentile per-packet one-way delay: 63.480 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 45.45 Mbit/s
95th percentile per-packet one-way delay: 63.480 ms
Loss rate: 0.67%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-19 17:56:38

End at: 2018-06-19 17:57:08

Local clock offset: 0.01 ms

Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.17 Mbit/s

95th percentile per-packet one-way delay: 63.847 ms

Loss rate: 0.75%

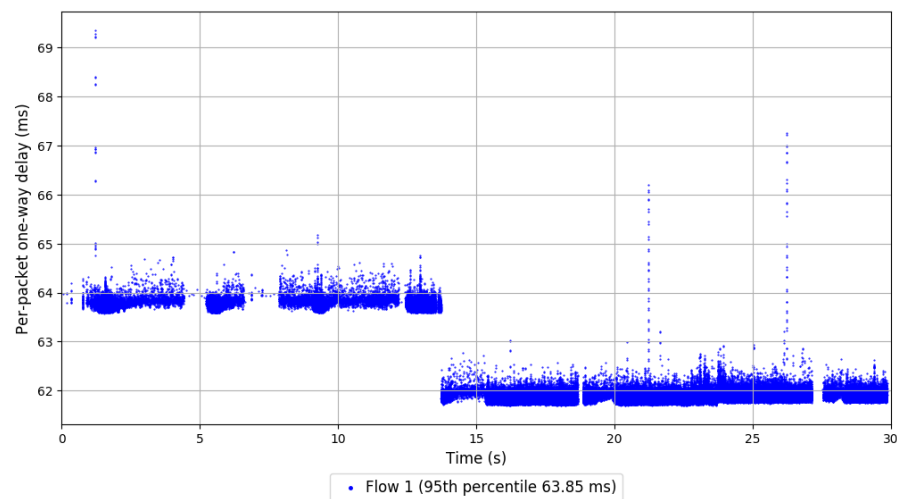
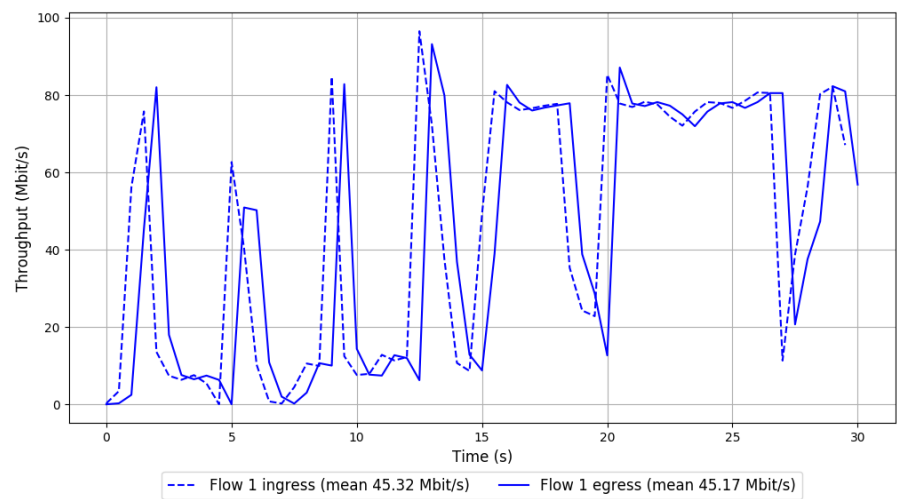
-- Flow 1:

Average throughput: 45.17 Mbit/s

95th percentile per-packet one-way delay: 63.847 ms

Loss rate: 0.75%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-19 18:17:15

End at: 2018-06-19 18:17:45

Local clock offset: 0.087 ms

Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 63.940 ms

Loss rate: 0.68%

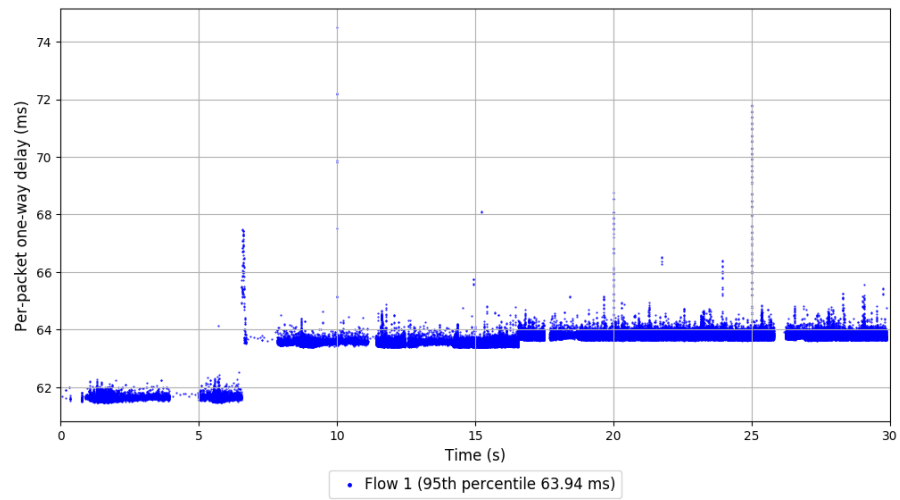
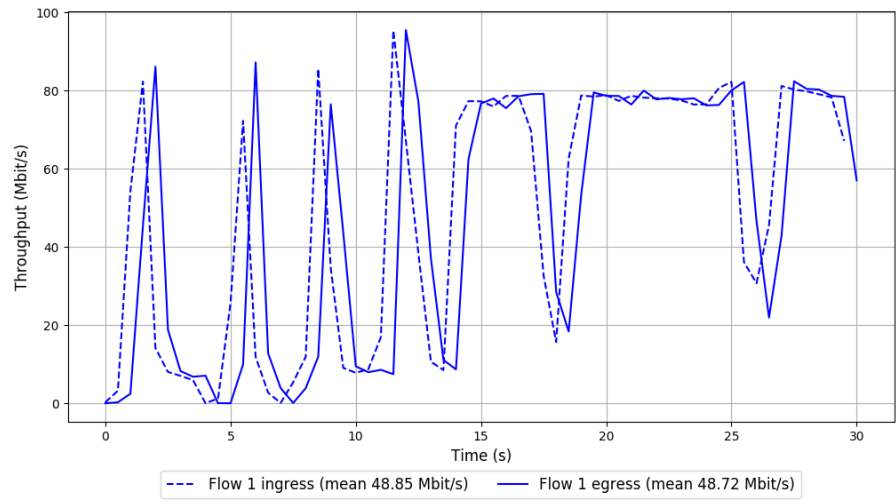
-- Flow 1:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 63.940 ms

Loss rate: 0.68%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-19 18:37:20

End at: 2018-06-19 18:37:50

Local clock offset: -0.016 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 63.672 ms

Loss rate: 0.69%

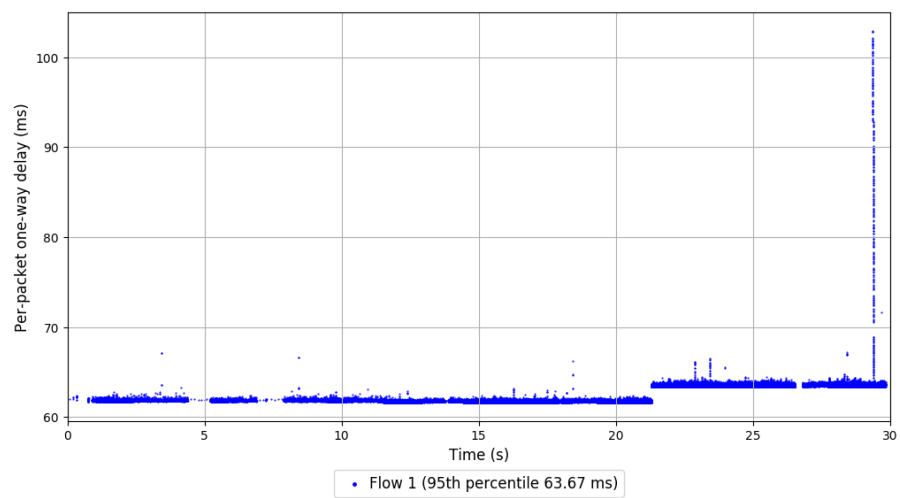
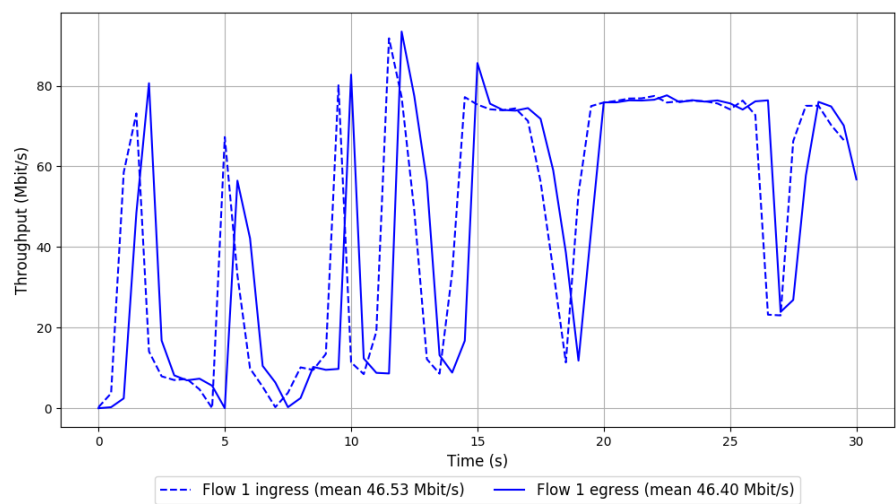
-- Flow 1:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 63.672 ms

Loss rate: 0.69%

Run 5: Report of QUIC Cubic — Data Link

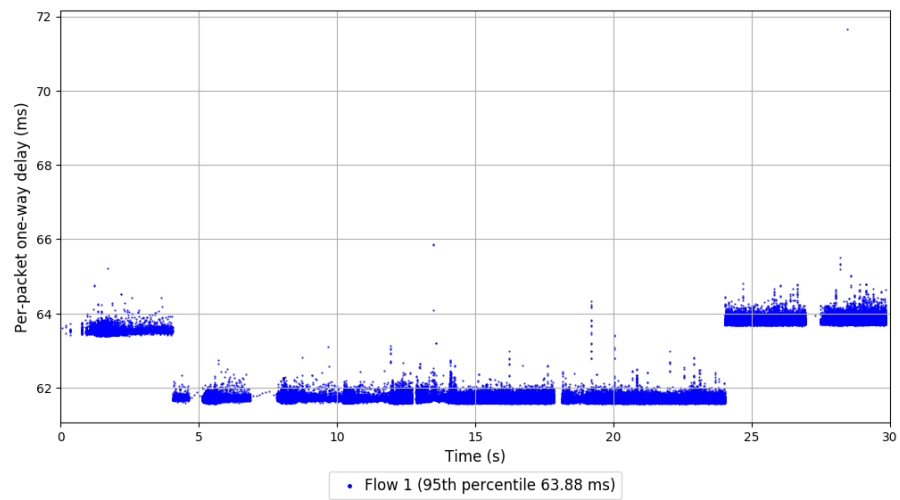
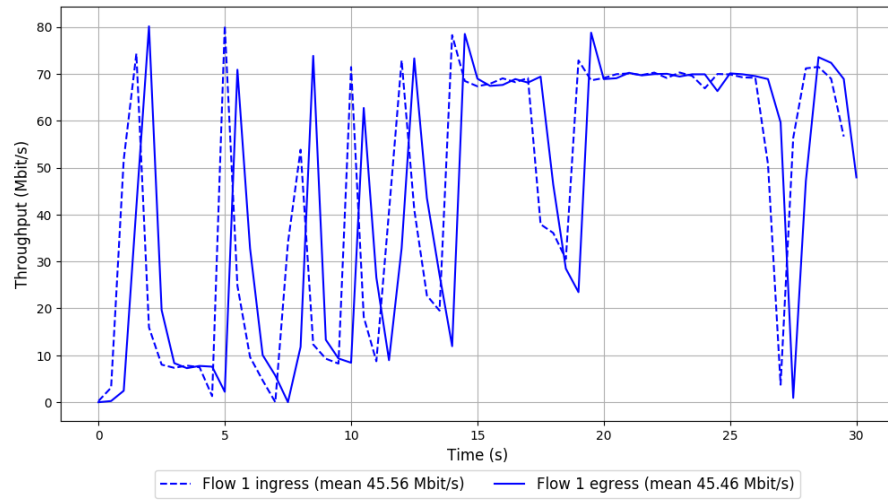


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-19 18:57:47
End at: 2018-06-19 18:58:17
Local clock offset: -0.093 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.46 Mbit/s
95th percentile per-packet one-way delay: 63.882 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 45.46 Mbit/s
95th percentile per-packet one-way delay: 63.882 ms
Loss rate: 0.64%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-19 19:18:16

End at: 2018-06-19 19:18:46

Local clock offset: 0.063 ms

Remote clock offset: 1.23 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.73 Mbit/s

95th percentile per-packet one-way delay: 62.313 ms

Loss rate: 0.64%

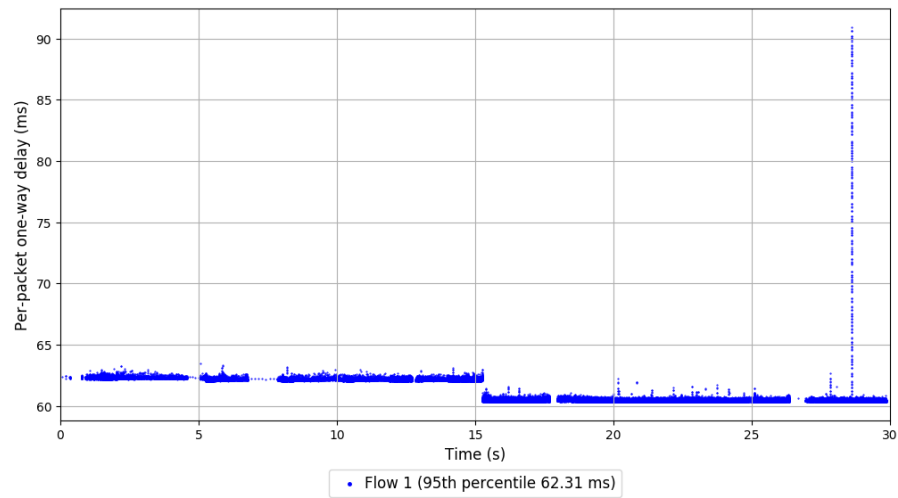
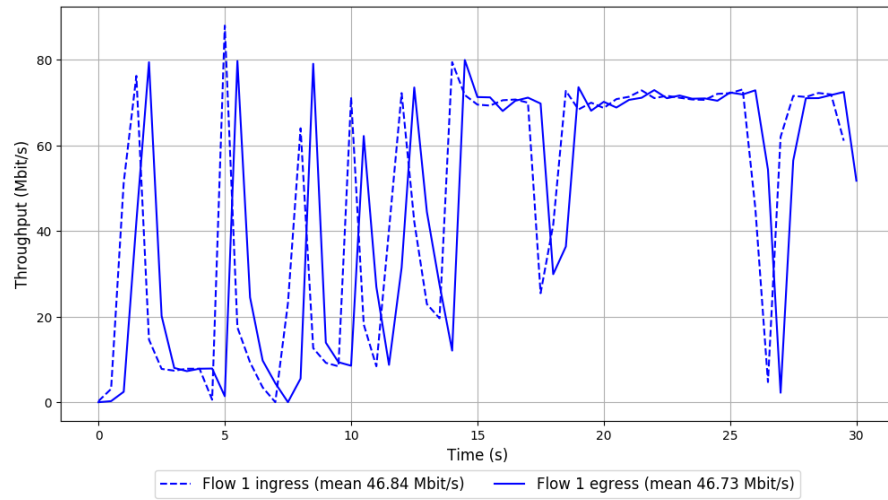
-- Flow 1:

Average throughput: 46.73 Mbit/s

95th percentile per-packet one-way delay: 62.313 ms

Loss rate: 0.64%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-19 19:38:46

End at: 2018-06-19 19:39:16

Local clock offset: 0.094 ms

Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.05 Mbit/s

95th percentile per-packet one-way delay: 63.831 ms

Loss rate: 0.65%

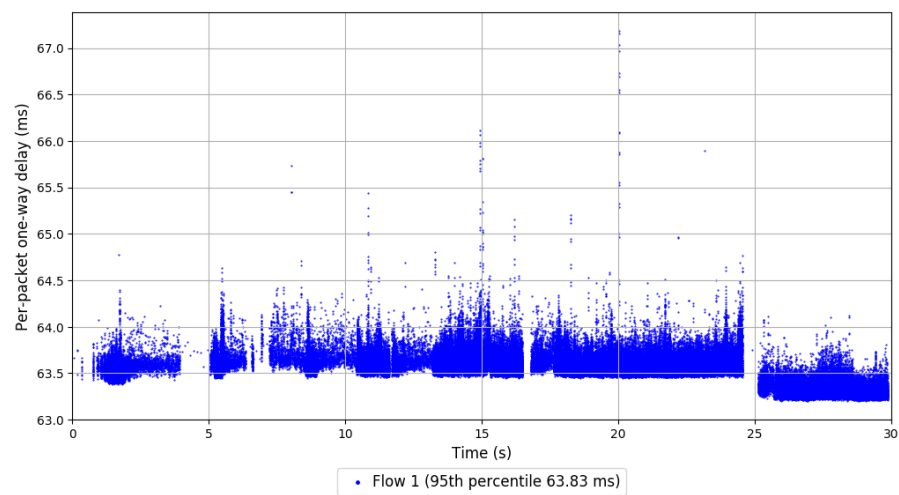
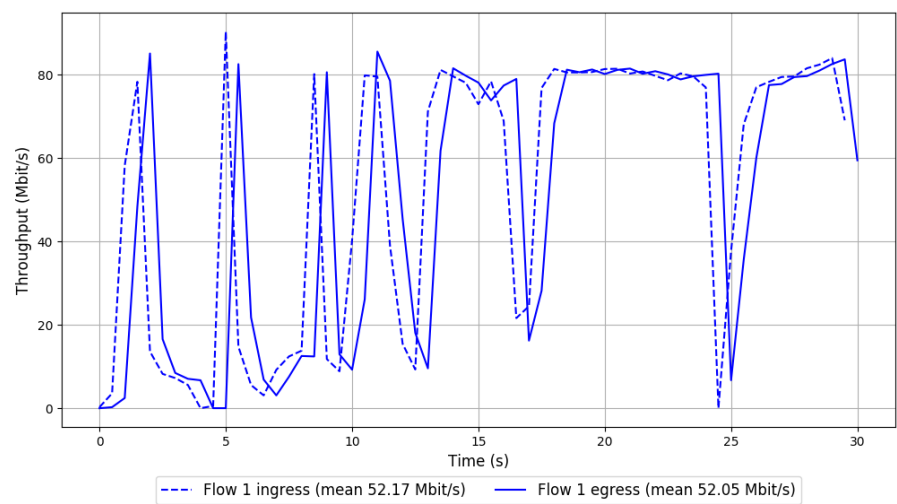
-- Flow 1:

Average throughput: 52.05 Mbit/s

95th percentile per-packet one-way delay: 63.831 ms

Loss rate: 0.65%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-19 19:59:25

End at: 2018-06-19 19:59:55

Local clock offset: -0.068 ms

Remote clock offset: -1.435 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 64.950 ms

Loss rate: 0.66%

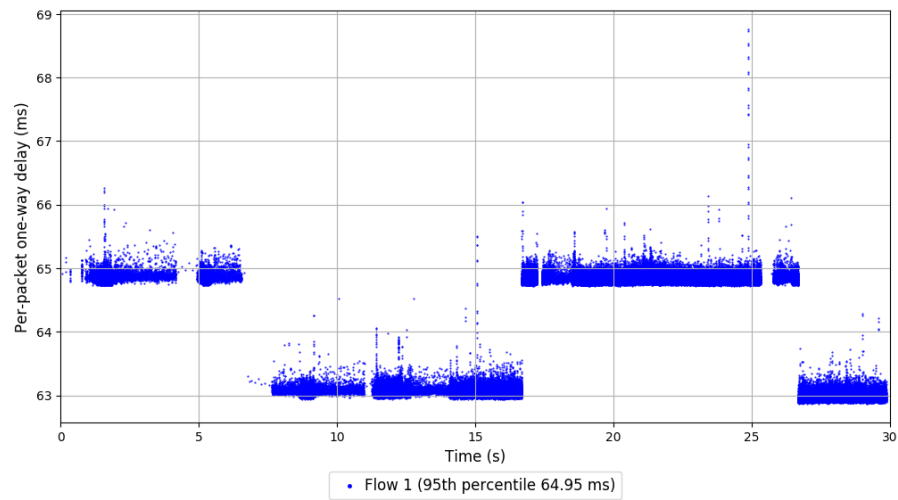
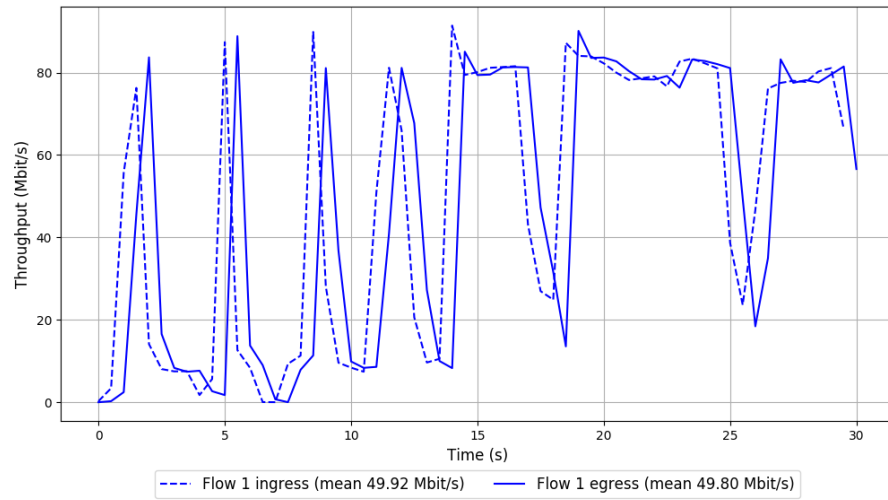
-- Flow 1:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 64.950 ms

Loss rate: 0.66%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-19 20:20:01

End at: 2018-06-19 20:20:31

Local clock offset: 0.019 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.52 Mbit/s

95th percentile per-packet one-way delay: 63.311 ms

Loss rate: 0.60%

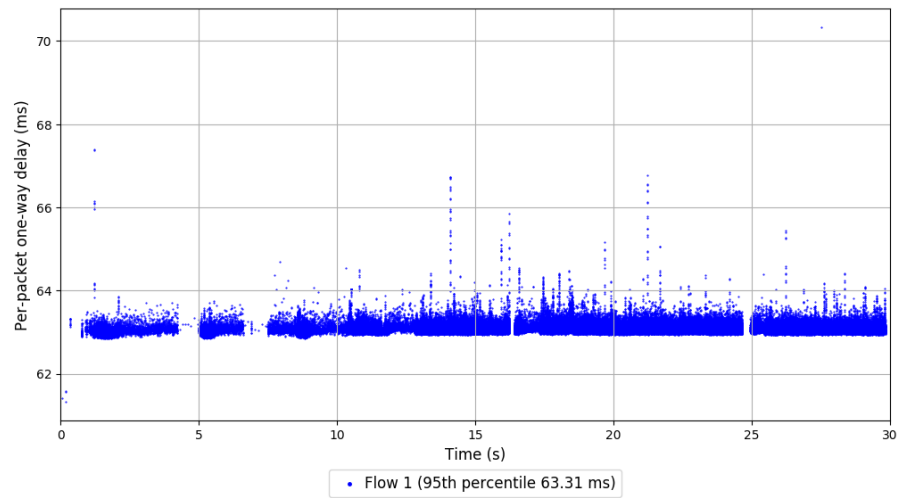
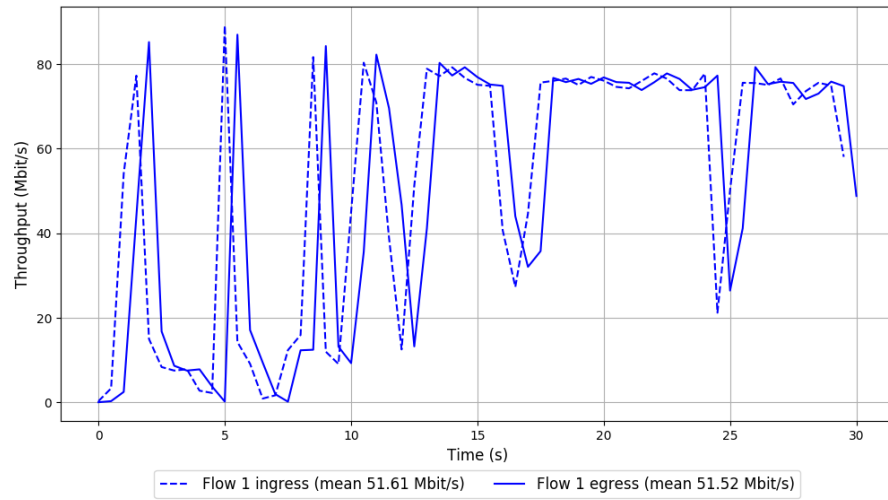
-- Flow 1:

Average throughput: 51.52 Mbit/s

95th percentile per-packet one-way delay: 63.311 ms

Loss rate: 0.60%

Run 10: Report of QUIC Cubic — Data Link

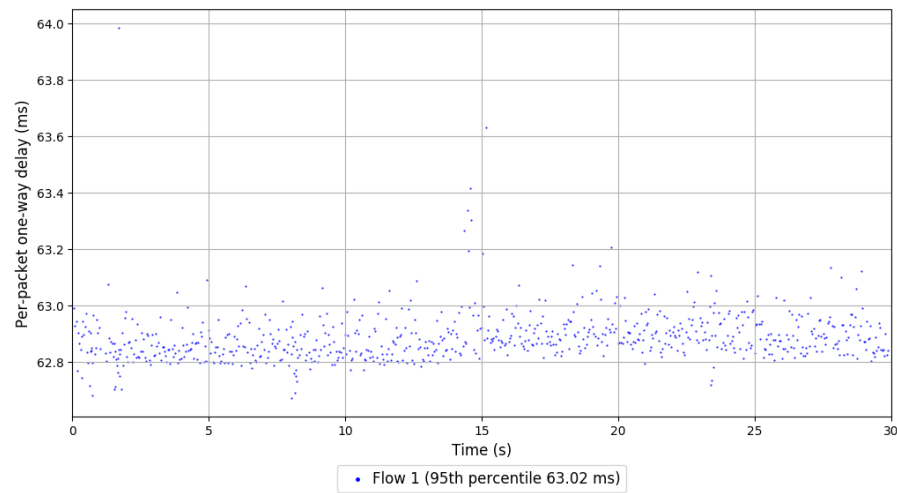
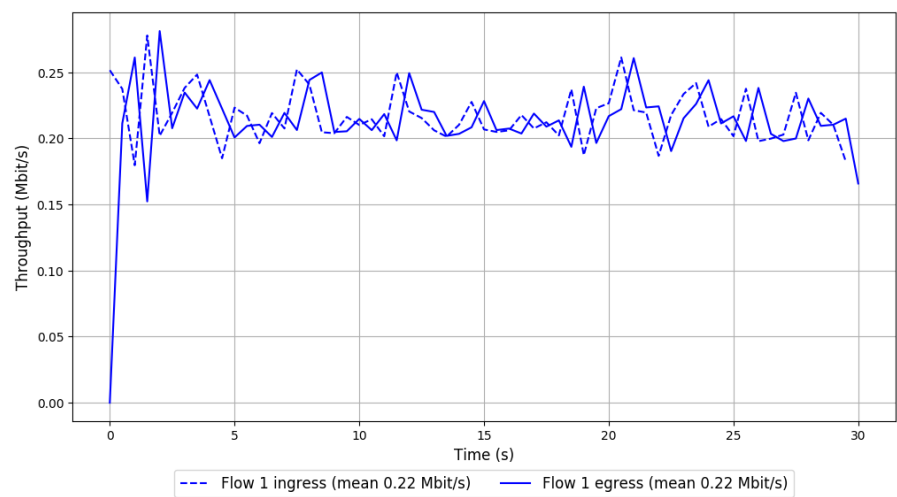


Run 1: Statistics of SCReAM

Start at: 2018-06-19 17:06:57
End at: 2018-06-19 17:07:27
Local clock offset: -0.095 ms
Remote clock offset: -1.189 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.021 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.021 ms
Loss rate: 0.38%

Run 1: Report of SReAM — Data Link

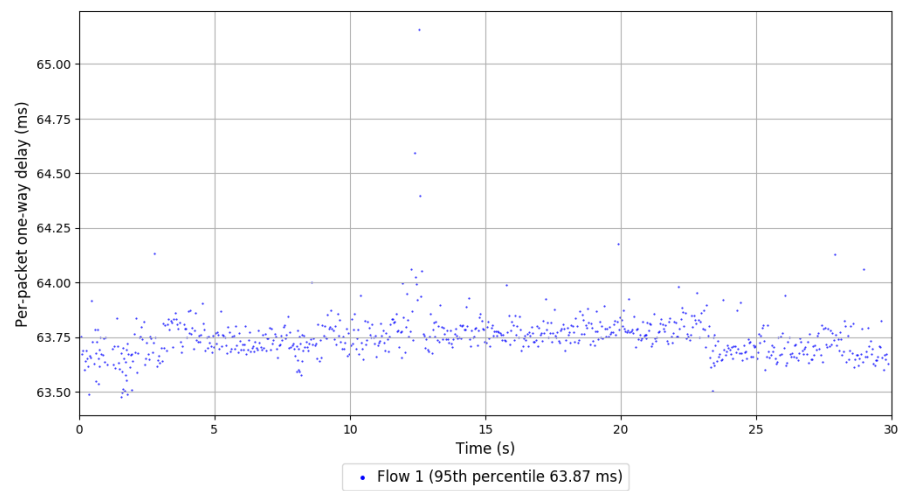
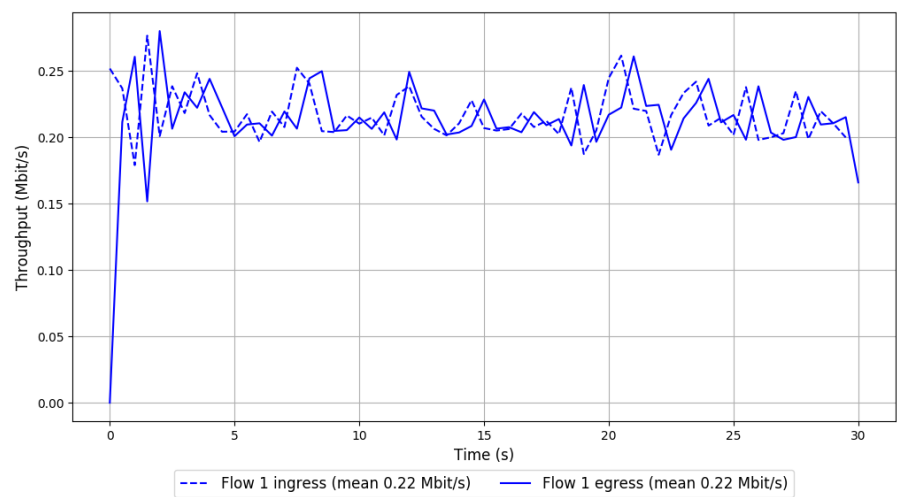


Run 2: Statistics of SCReAM

Start at: 2018-06-19 17:27:08
End at: 2018-06-19 17:27:38
Local clock offset: -0.015 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.873 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.873 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link

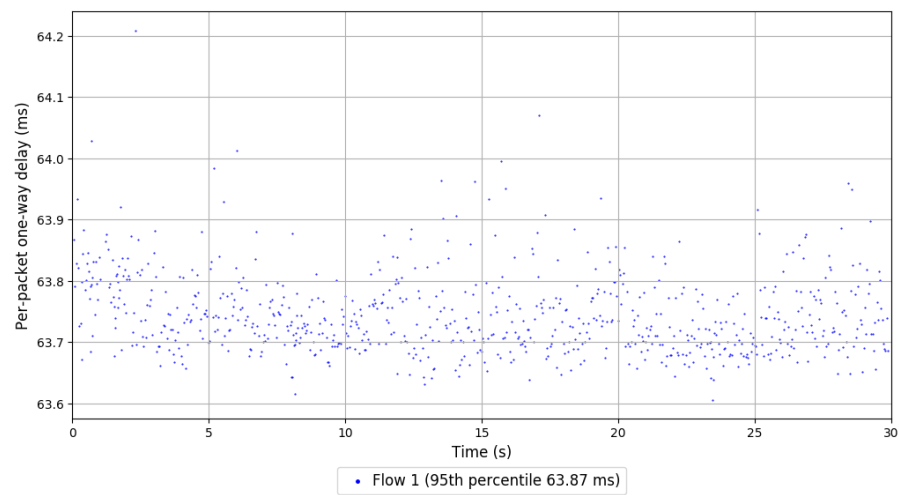
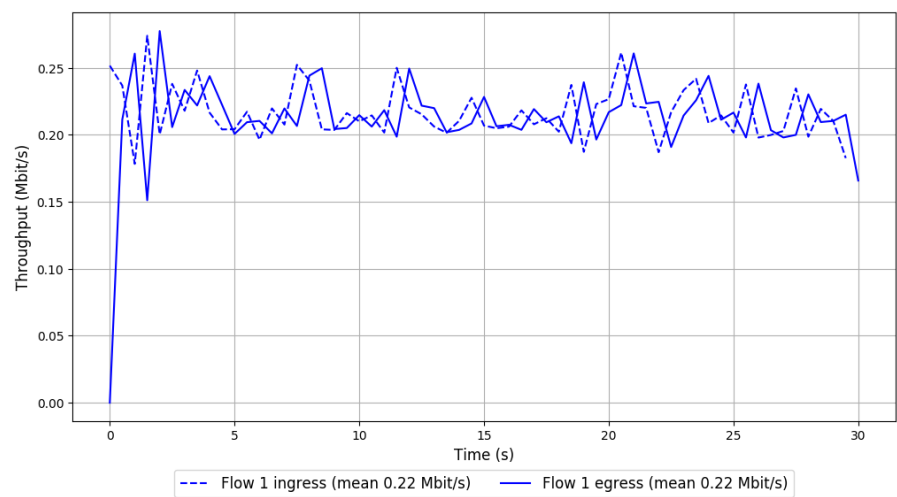


Run 3: Statistics of SCReAM

Start at: 2018-06-19 17:47:29
End at: 2018-06-19 17:47:59
Local clock offset: -0.033 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.868 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.868 ms
Loss rate: 0.38%

Run 3: Report of SReAM — Data Link

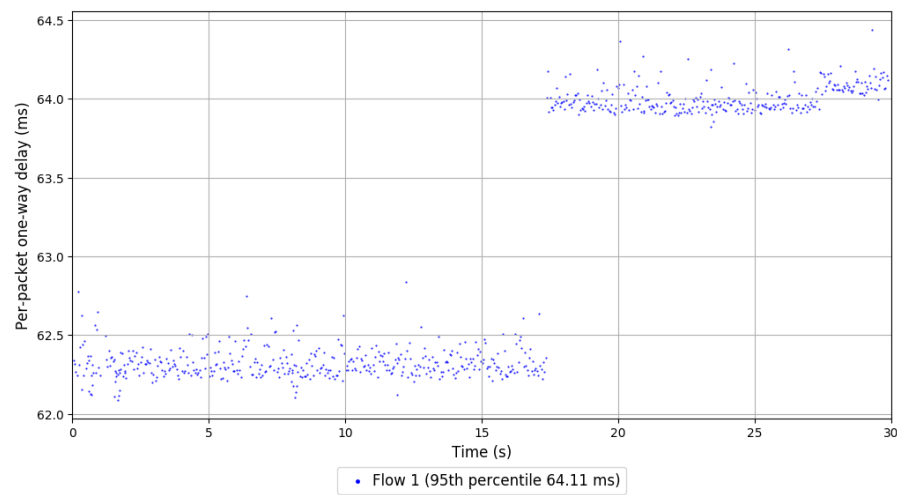
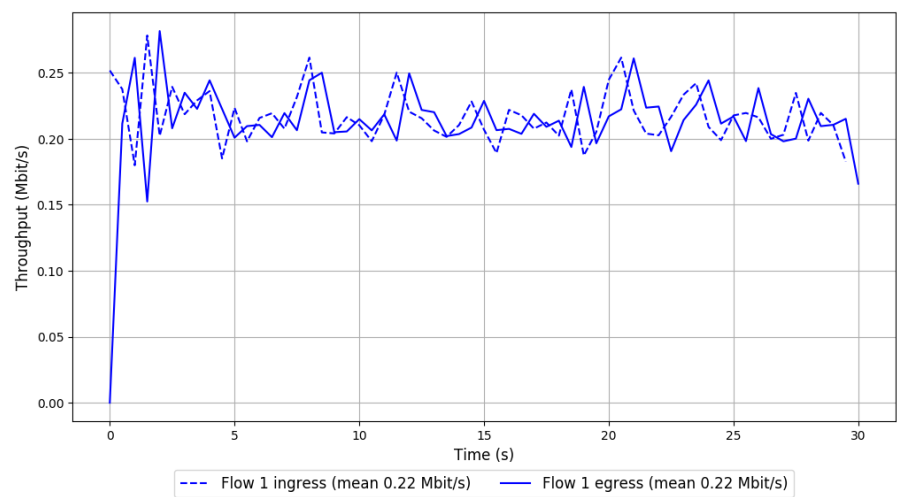


Run 4: Statistics of SReAM

Start at: 2018-06-19 18:08:04
End at: 2018-06-19 18:08:34
Local clock offset: 0.075 ms
Remote clock offset: -0.476 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.107 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.107 ms
Loss rate: 0.38%

Run 4: Report of SReAM — Data Link

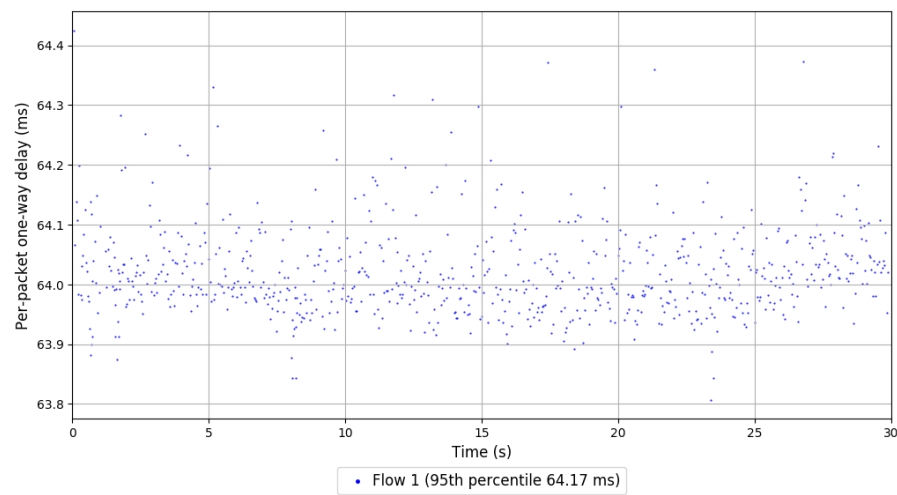
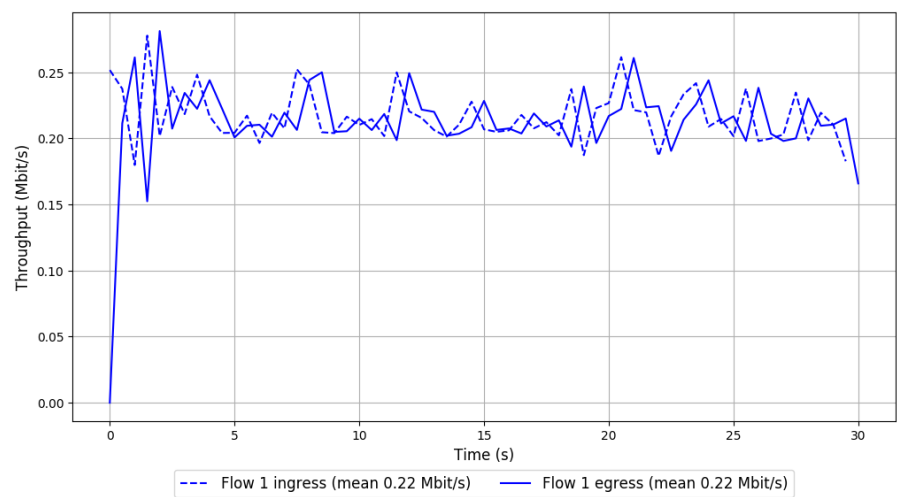


Run 5: Statistics of SCReAM

Start at: 2018-06-19 18:28:35
End at: 2018-06-19 18:29:05
Local clock offset: 0.044 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.166 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.166 ms
Loss rate: 0.38%

Run 5: Report of SReAM — Data Link

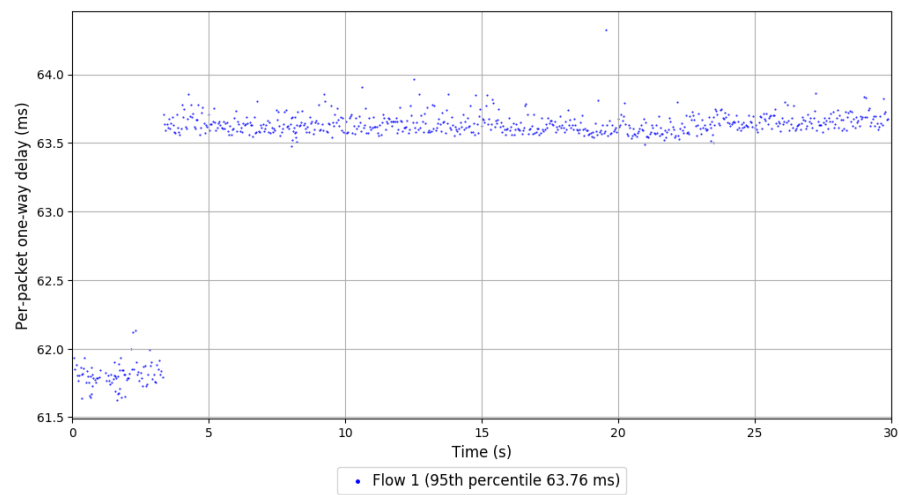
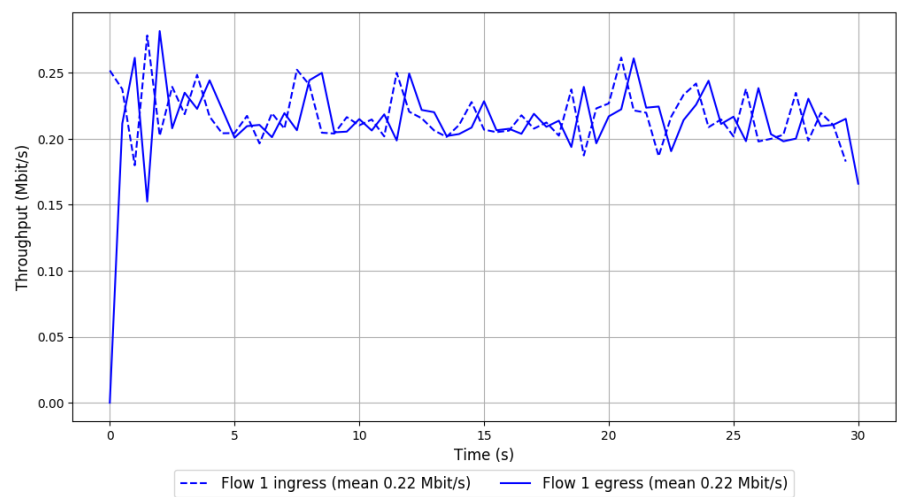


Run 6: Statistics of SCReAM

Start at: 2018-06-19 18:48:48
End at: 2018-06-19 18:49:18
Local clock offset: -0.082 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.756 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.756 ms
Loss rate: 0.38%

Run 6: Report of SReAM — Data Link

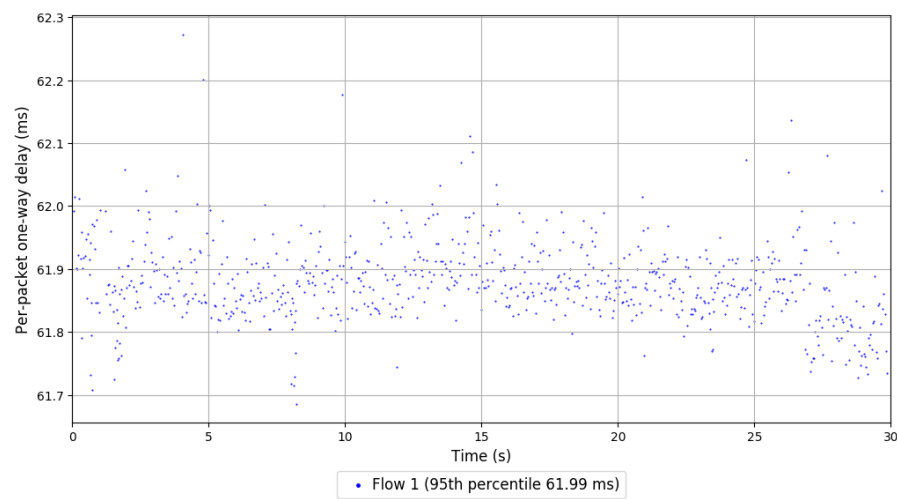
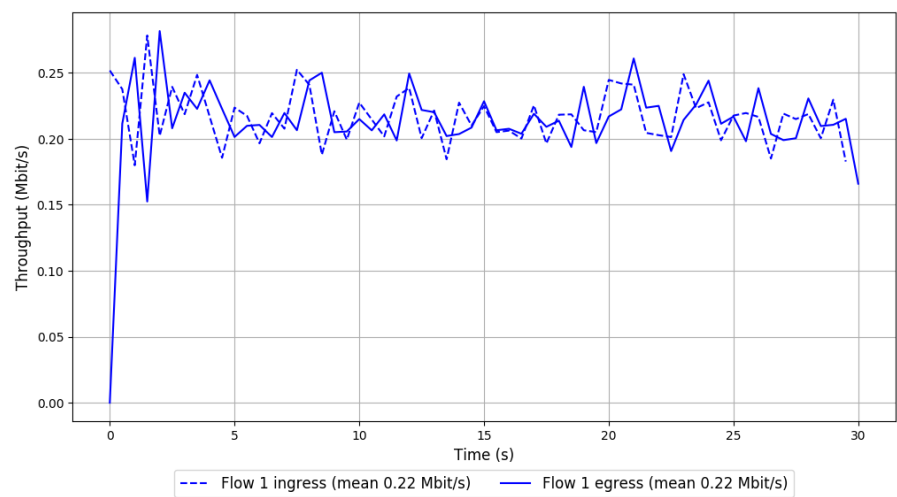


Run 7: Statistics of SCReAM

Start at: 2018-06-19 19:09:15
End at: 2018-06-19 19:09:45
Local clock offset: 0.009 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.989 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.989 ms
Loss rate: 0.38%

Run 7: Report of SReAM — Data Link

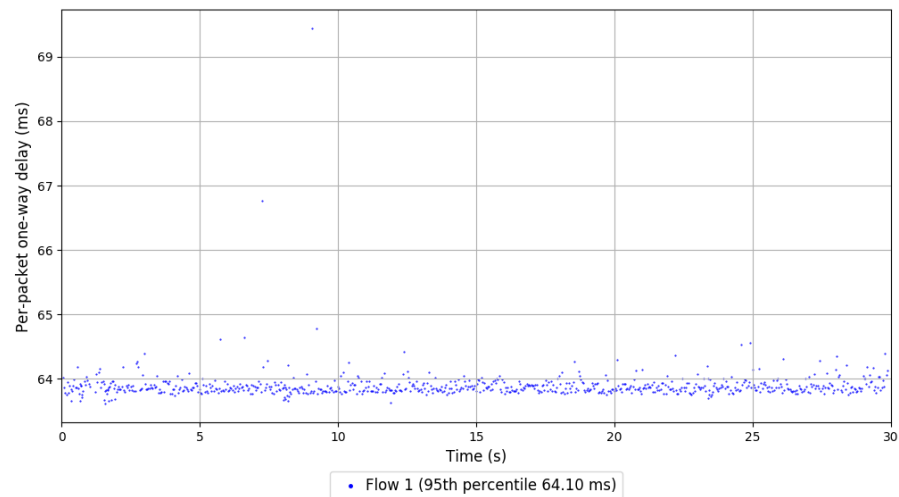
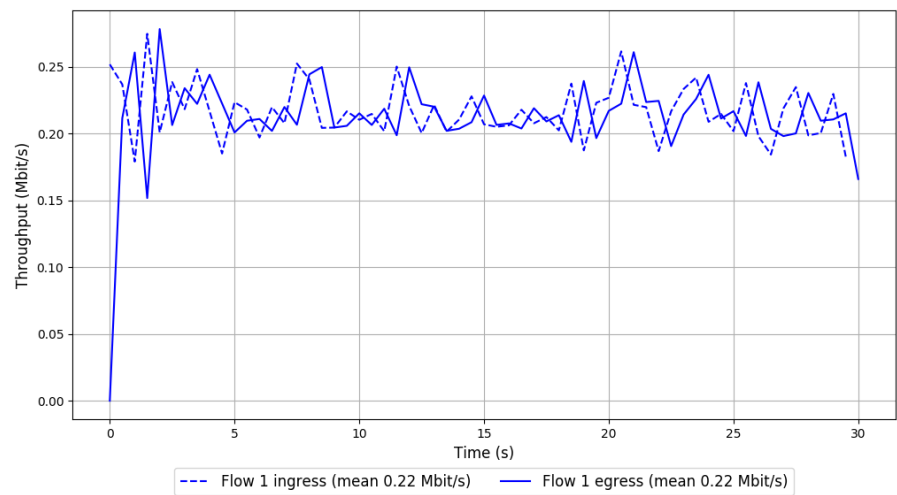


Run 8: Statistics of SCReAM

Start at: 2018-06-19 19:29:34
End at: 2018-06-19 19:30:04
Local clock offset: 0.131 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.099 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.099 ms
Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-19 19:50:08

End at: 2018-06-19 19:50:38

Local clock offset: 0.001 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.622 ms

Loss rate: 0.38%

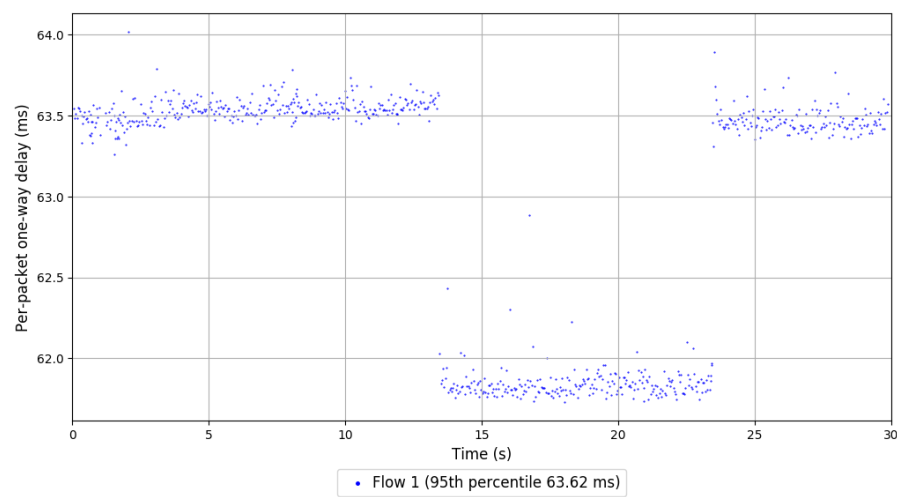
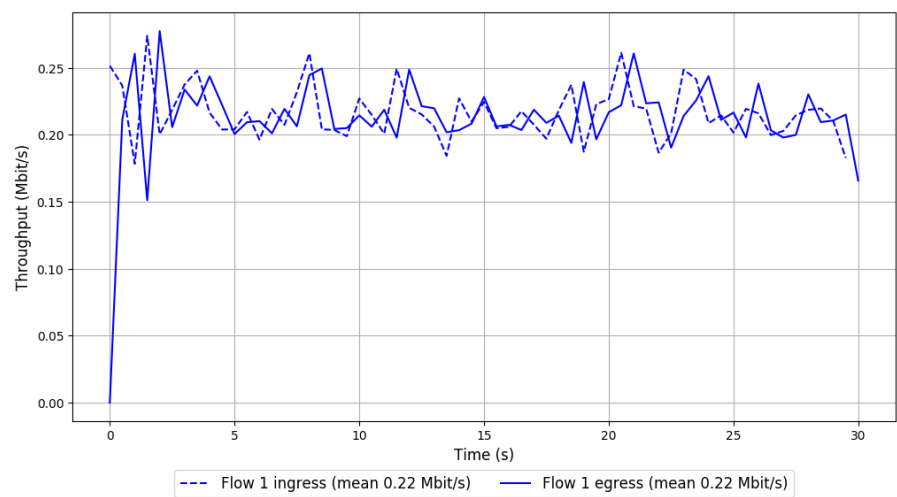
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.622 ms

Loss rate: 0.38%

Run 9: Report of SReAM — Data Link

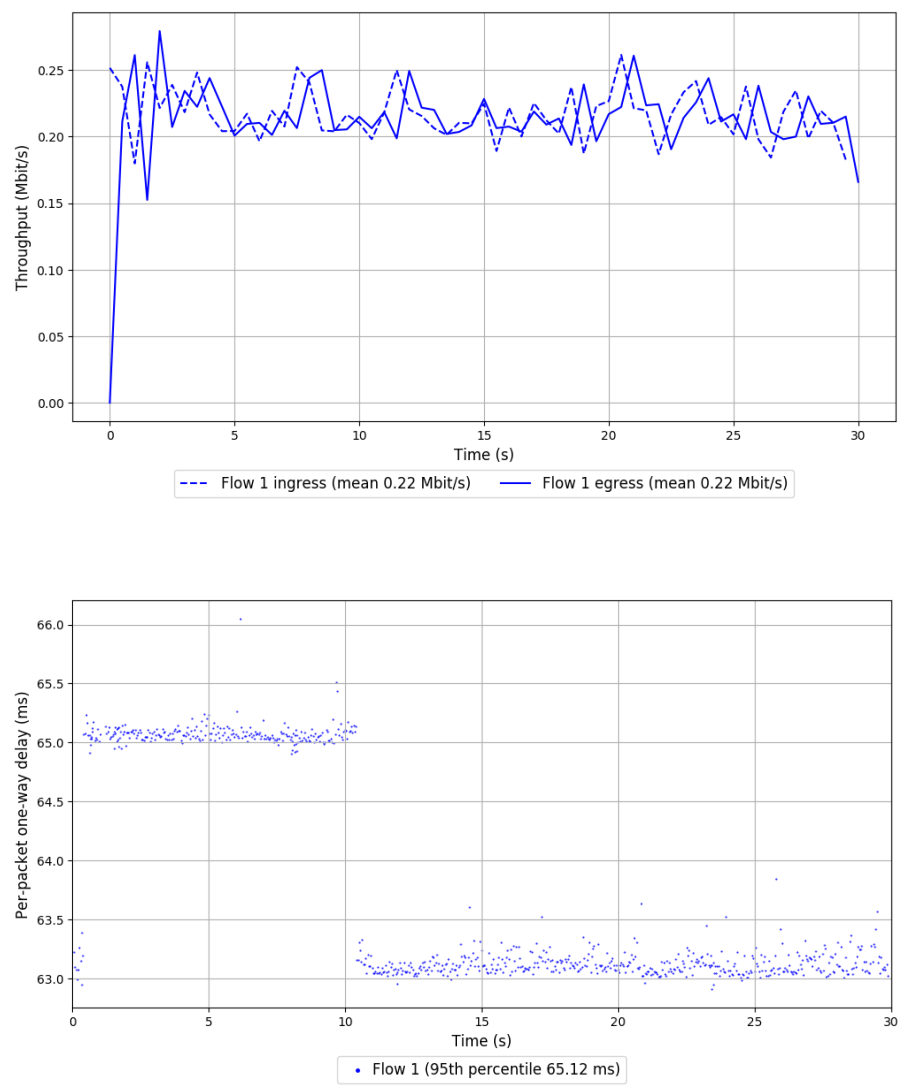


Run 10: Statistics of SCReAM

Start at: 2018-06-19 20:10:51
End at: 2018-06-19 20:11:21
Local clock offset: -0.099 ms
Remote clock offset: -1.412 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.124 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.124 ms
Loss rate: 0.38%

Run 10: Report of SReAM — Data Link

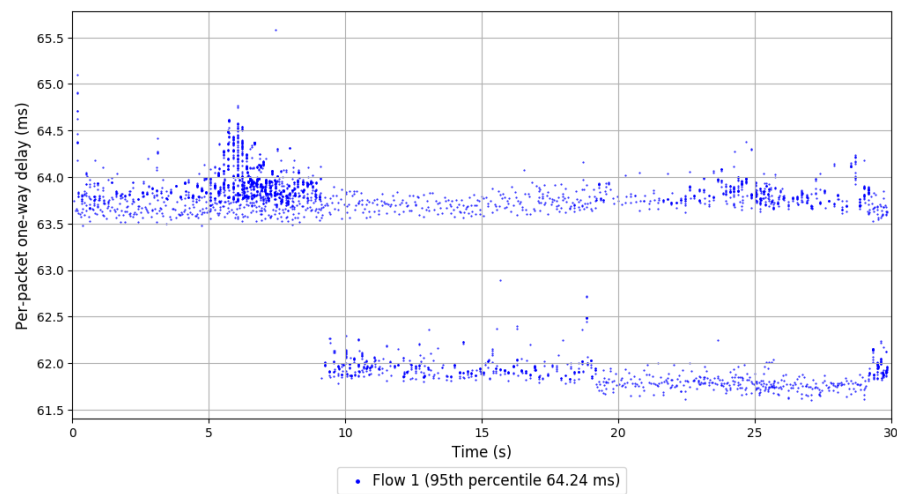
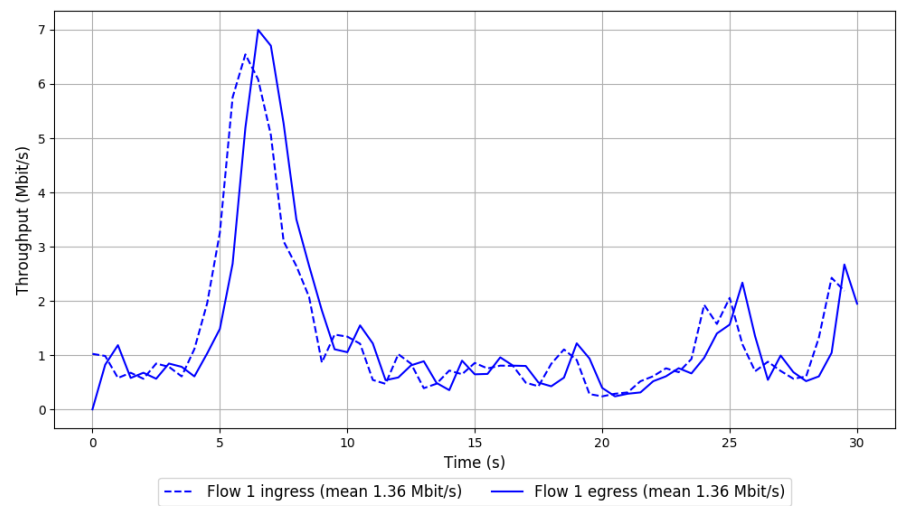


Run 1: Statistics of Sprout

Start at: 2018-06-19 17:22:22
End at: 2018-06-19 17:22:52
Local clock offset: -0.043 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 64.237 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 64.237 ms
Loss rate: 0.61%

Run 1: Report of Sprout — Data Link

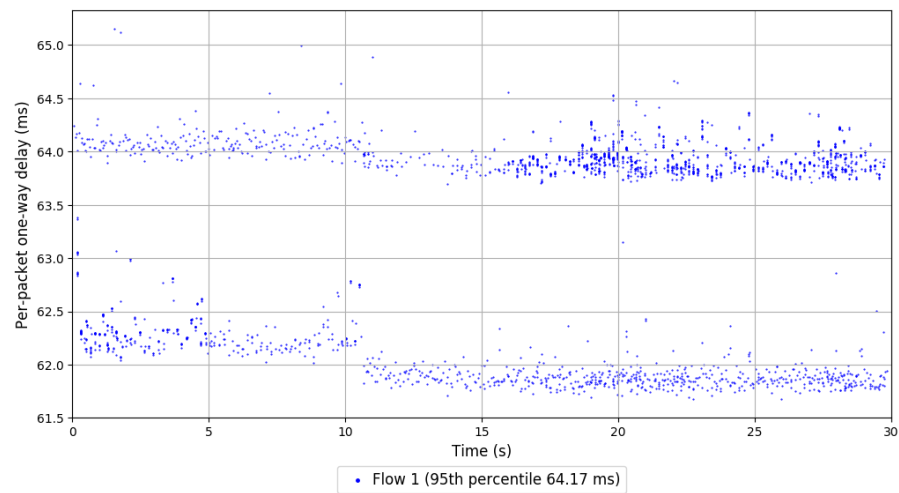
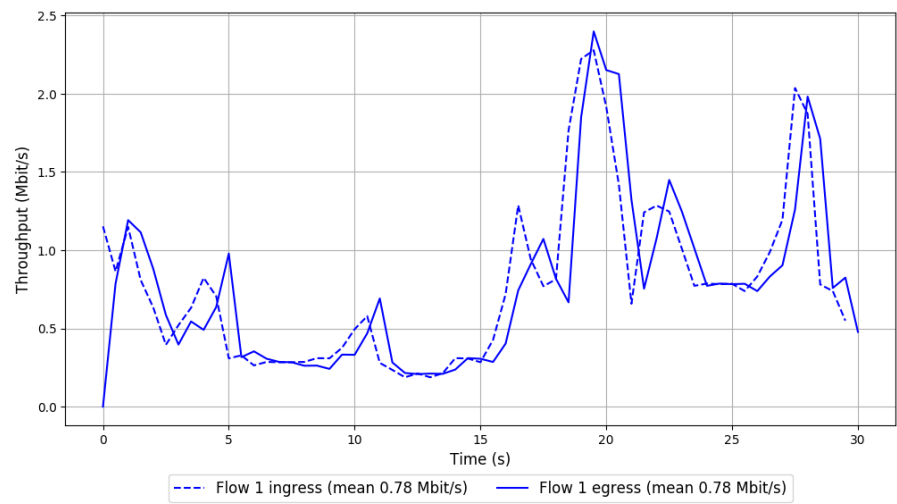


Run 2: Statistics of Sprout

Start at: 2018-06-19 17:42:41
End at: 2018-06-19 17:43:11
Local clock offset: -0.029 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 64.166 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 64.166 ms
Loss rate: 0.52%

Run 2: Report of Sprout — Data Link

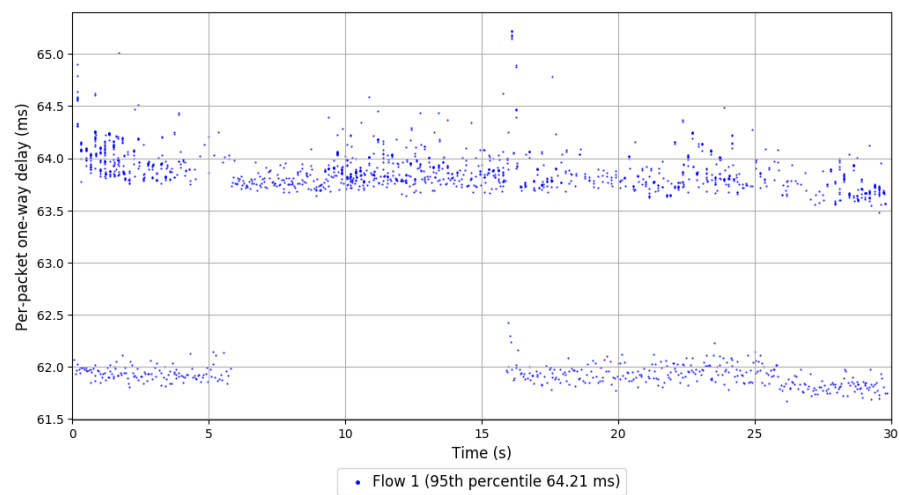
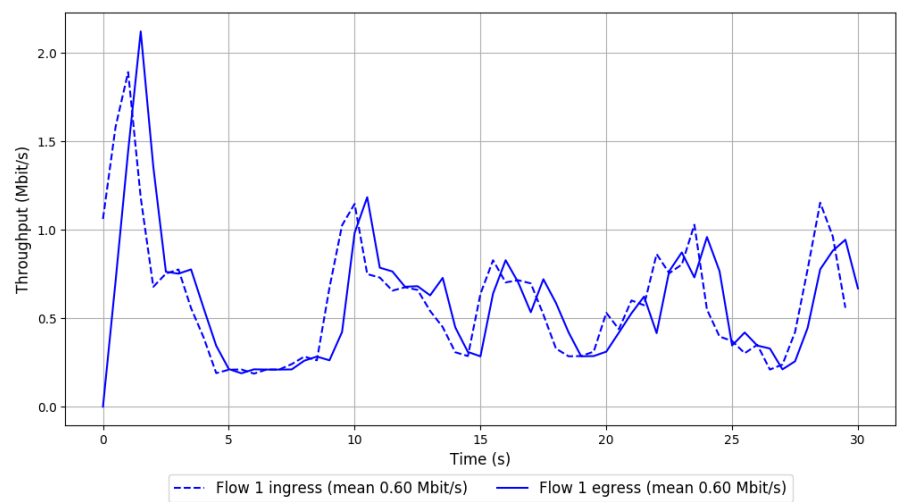


Run 3: Statistics of Sprout

Start at: 2018-06-19 18:03:16
End at: 2018-06-19 18:03:46
Local clock offset: 0.025 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 64.207 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 64.207 ms
Loss rate: 0.51%

Run 3: Report of Sprout — Data Link

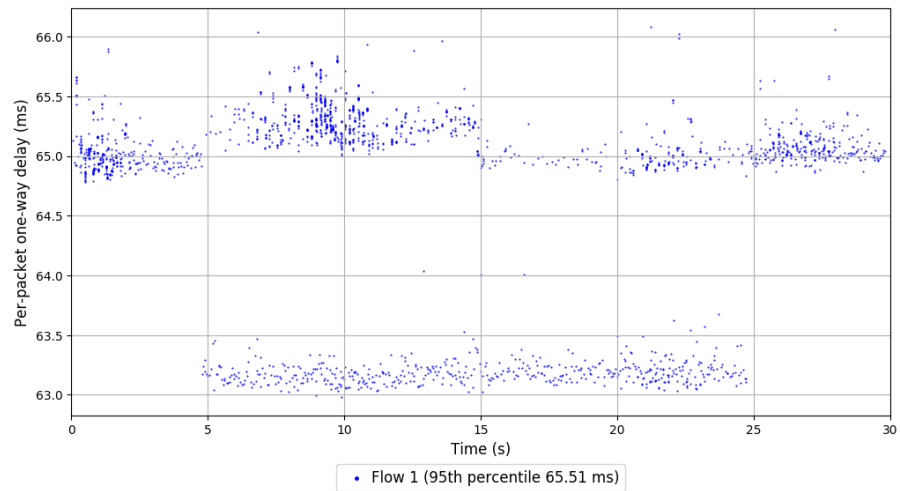
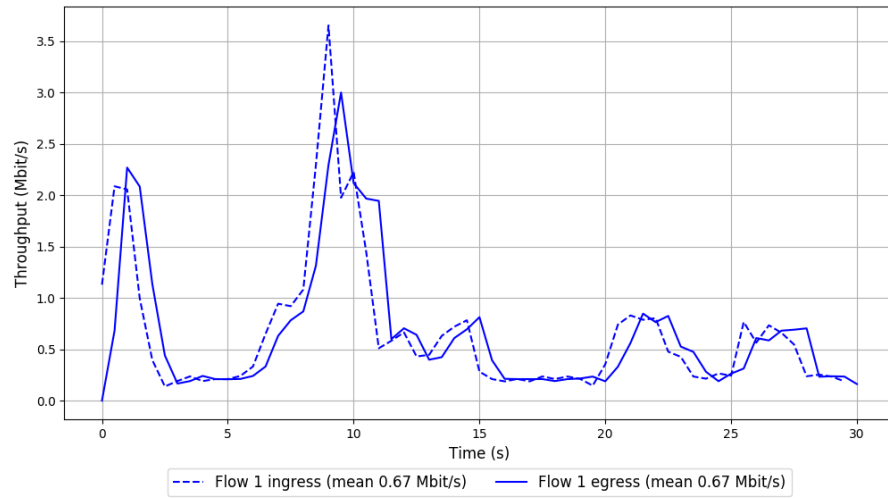


Run 4: Statistics of Sprout

Start at: 2018-06-19 18:23:47
End at: 2018-06-19 18:24:17
Local clock offset: 0.072 ms
Remote clock offset: -1.301 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 65.508 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 65.508 ms
Loss rate: 0.12%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-19 18:43:59

End at: 2018-06-19 18:44:29

Local clock offset: -0.072 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 63.823 ms

Loss rate: 0.12%

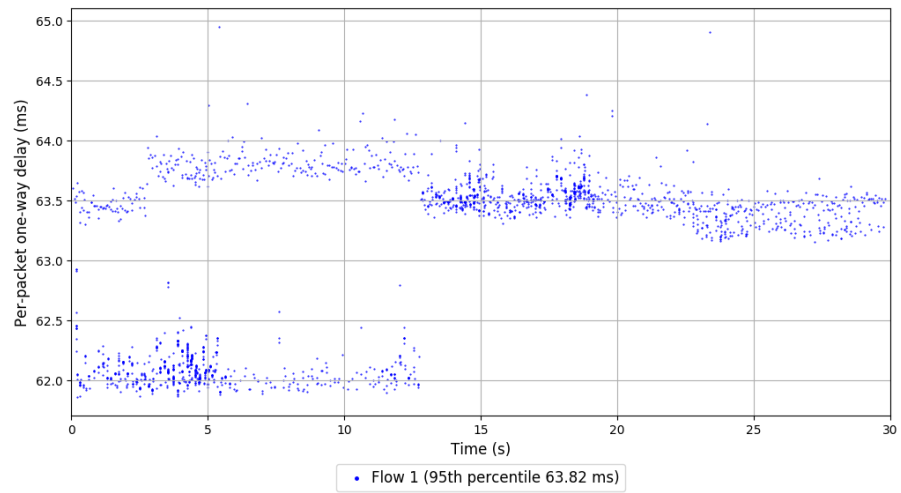
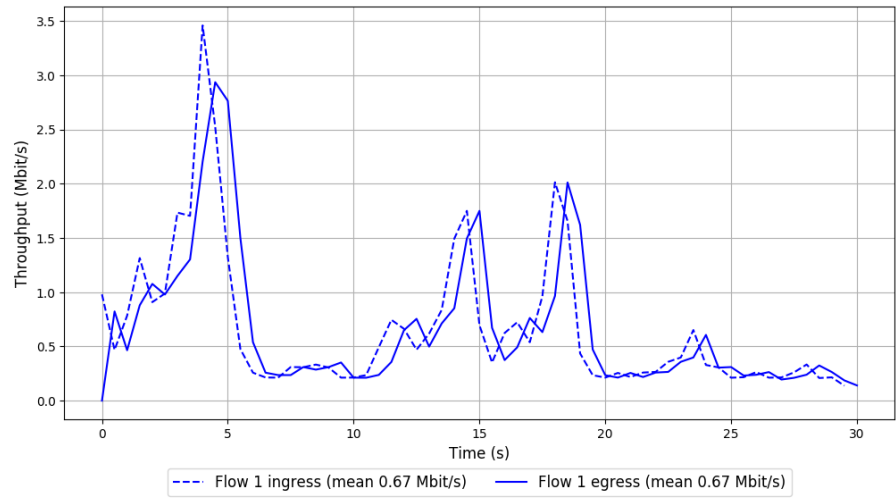
-- Flow 1:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 63.823 ms

Loss rate: 0.12%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-19 19:04:29

End at: 2018-06-19 19:04:59

Local clock offset: -0.045 ms

Remote clock offset: 1.176 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 62.653 ms

Loss rate: 0.11%

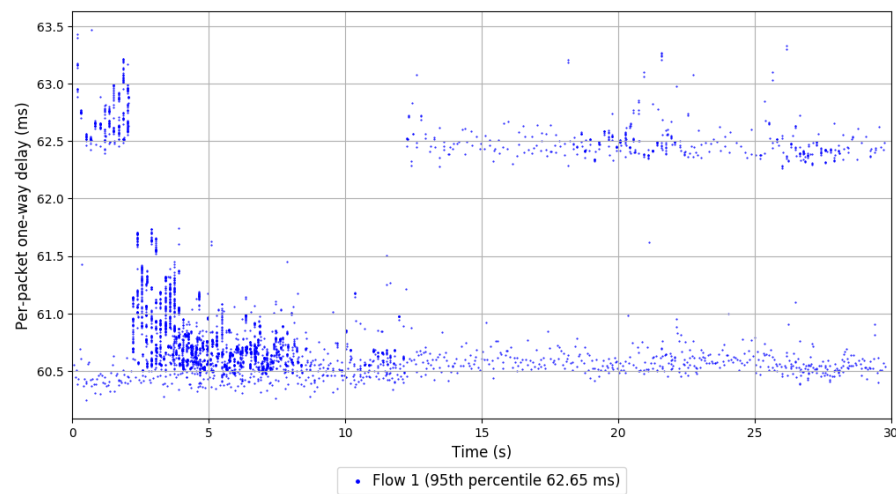
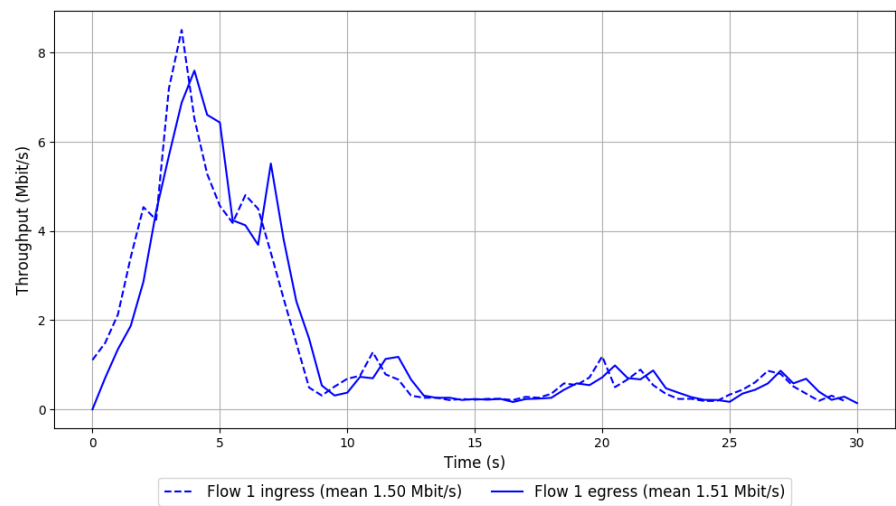
-- Flow 1:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 62.653 ms

Loss rate: 0.11%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-06-19 19:24:47

End at: 2018-06-19 19:25:17

Local clock offset: 0.075 ms

Remote clock offset: 0.364 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.69 Mbit/s

95th percentile per-packet one-way delay: 63.888 ms

Loss rate: 0.44%

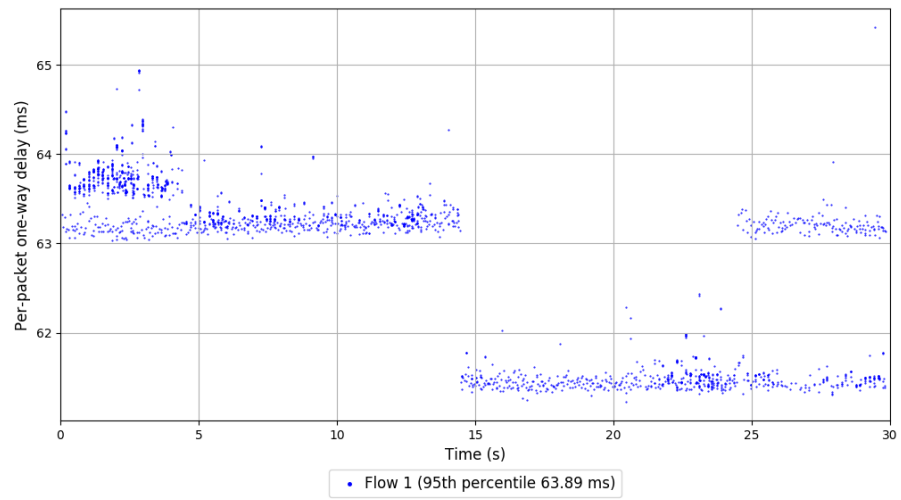
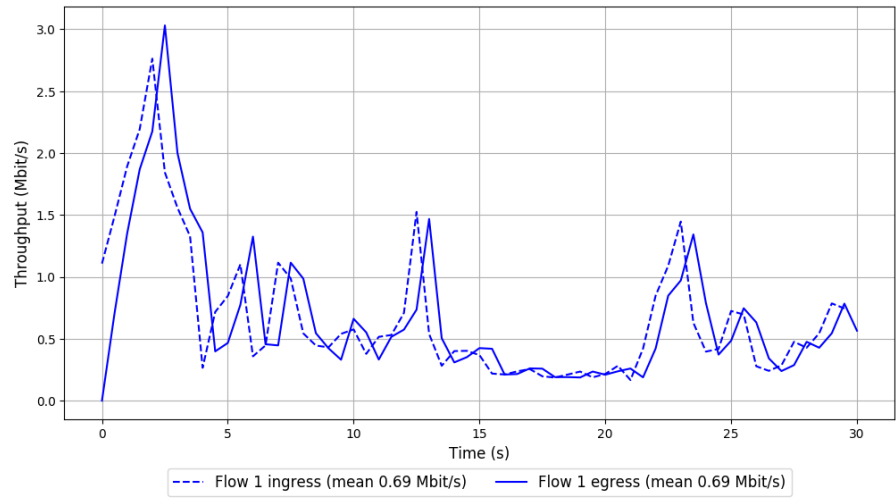
-- Flow 1:

Average throughput: 0.69 Mbit/s

95th percentile per-packet one-way delay: 63.888 ms

Loss rate: 0.44%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-19 19:45:22

End at: 2018-06-19 19:45:52

Local clock offset: 0.038 ms

Remote clock offset: 0.963 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 63.284 ms

Loss rate: 0.63%

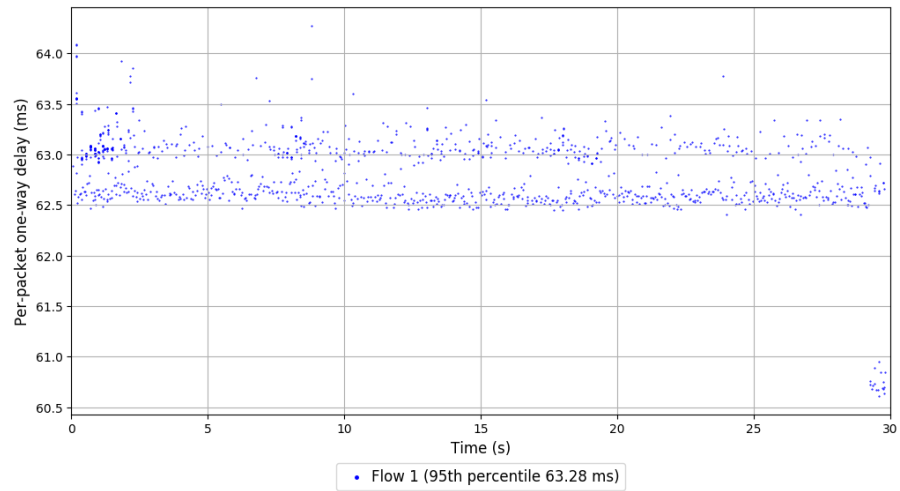
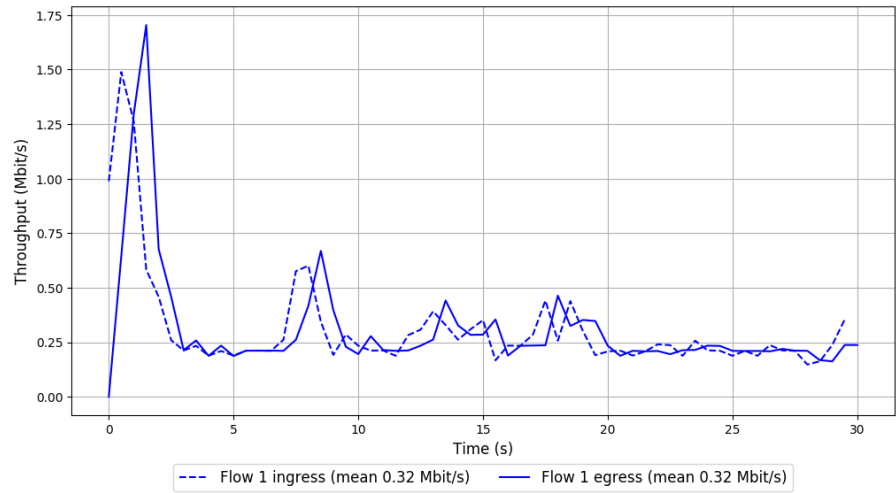
-- Flow 1:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 63.284 ms

Loss rate: 0.63%

Run 8: Report of Sprout — Data Link

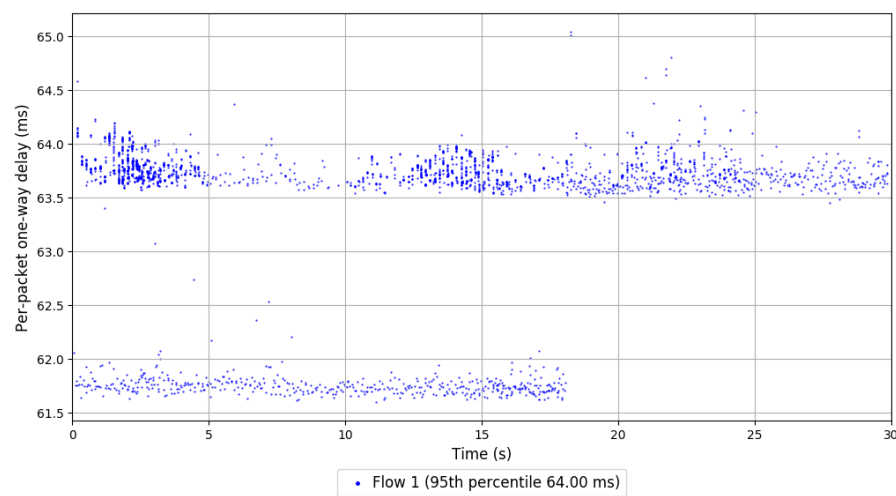
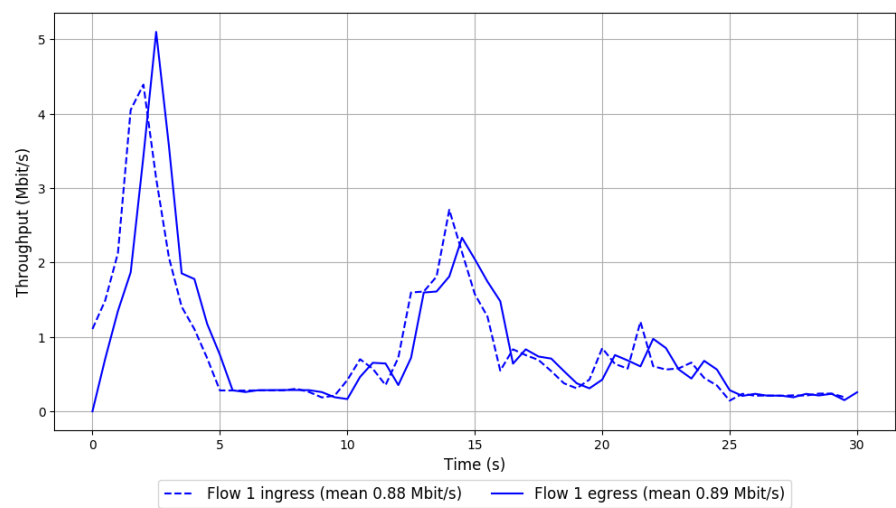


Run 9: Statistics of Sprout

Start at: 2018-06-19 20:06:03
End at: 2018-06-19 20:06:33
Local clock offset: -0.07 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-06-19 21:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 64.003 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 64.003 ms
Loss rate: 0.05%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-19 20:26:42

End at: 2018-06-19 20:27:12

Local clock offset: 0.165 ms

Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-06-19 21:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 64.182 ms

Loss rate: 0.11%

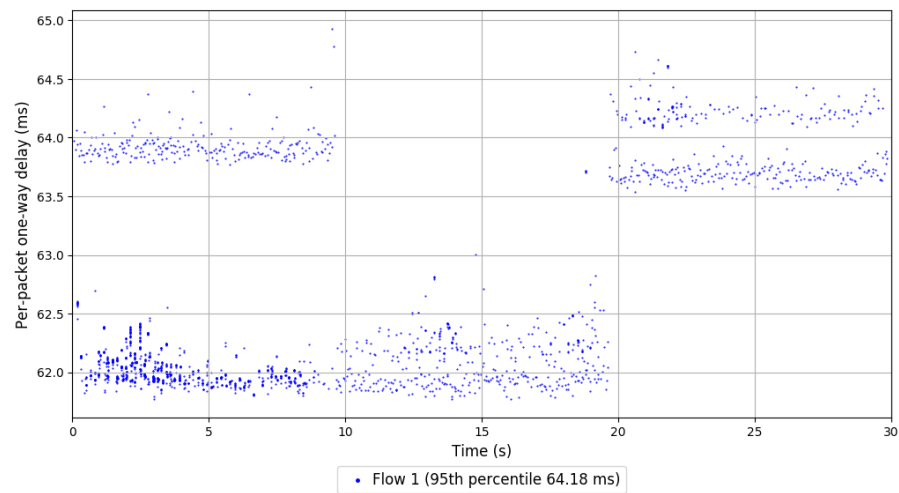
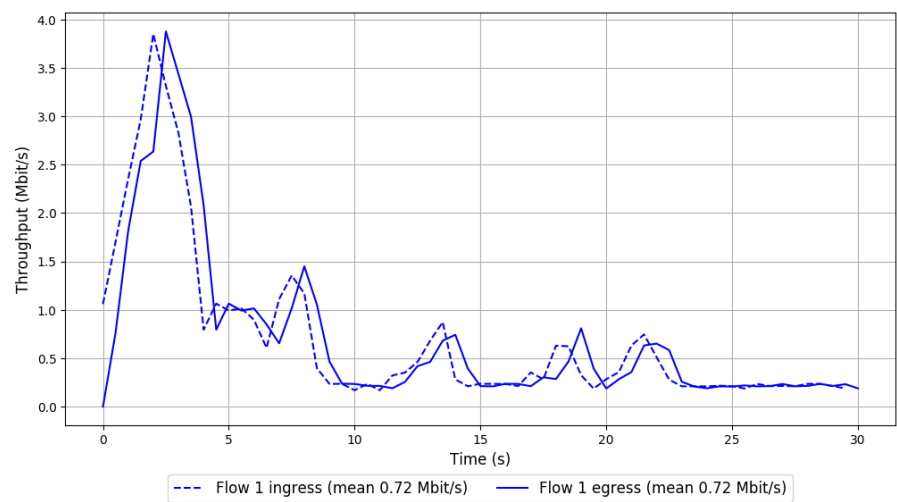
-- Flow 1:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 64.182 ms

Loss rate: 0.11%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-19 17:14:43

End at: 2018-06-19 17:15:13

Local clock offset: -0.066 ms

Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-06-19 21:50:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.28 Mbit/s

95th percentile per-packet one-way delay: 64.601 ms

Loss rate: 0.53%

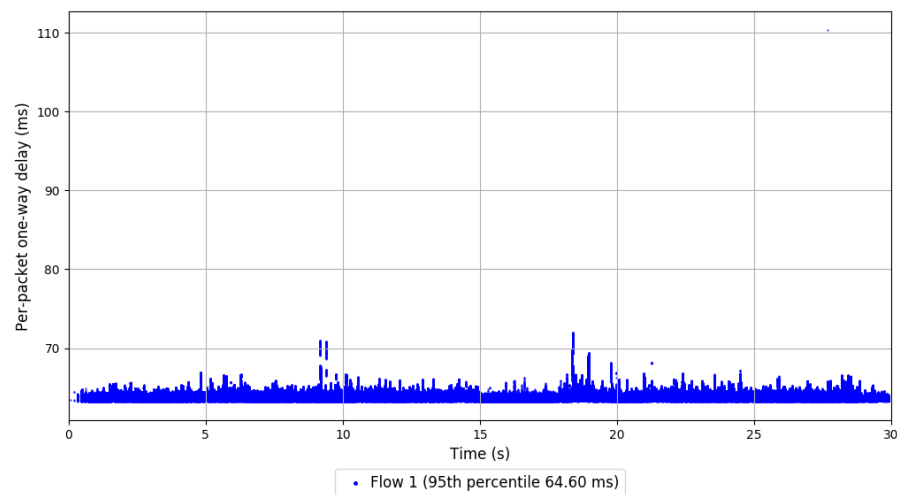
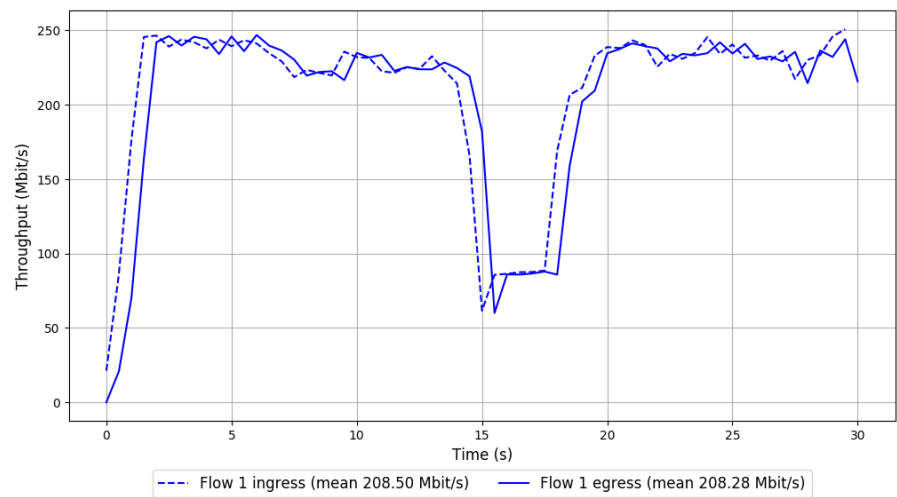
-- Flow 1:

Average throughput: 208.28 Mbit/s

95th percentile per-packet one-way delay: 64.601 ms

Loss rate: 0.53%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-19 17:34:54

End at: 2018-06-19 17:35:24

Local clock offset: -0.074 ms

Remote clock offset: -1.408 ms

Below is generated by plot.py at 2018-06-19 21:50:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 67.052 ms

Loss rate: 0.00%

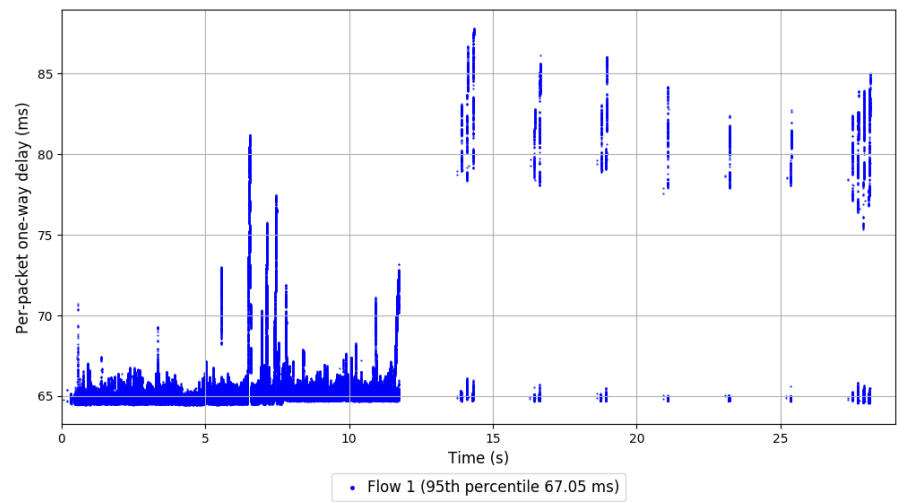
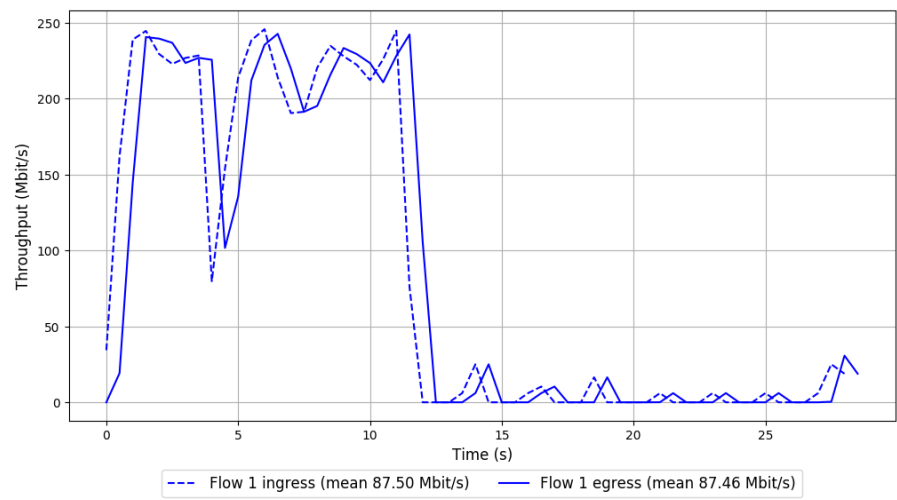
-- Flow 1:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 67.052 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-19 17:55:14

End at: 2018-06-19 17:55:44

Local clock offset: -0.032 ms

Remote clock offset: 0.953 ms

Below is generated by plot.py at 2018-06-19 21:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.27 Mbit/s

95th percentile per-packet one-way delay: 62.795 ms

Loss rate: 0.34%

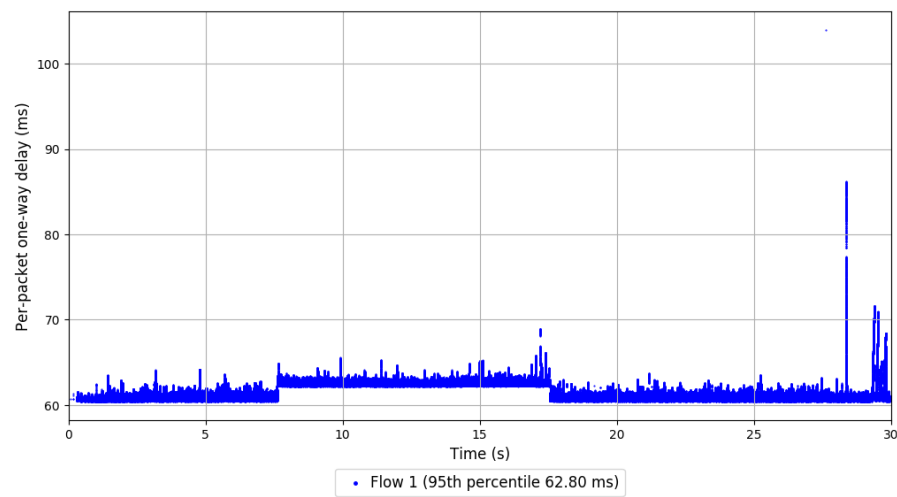
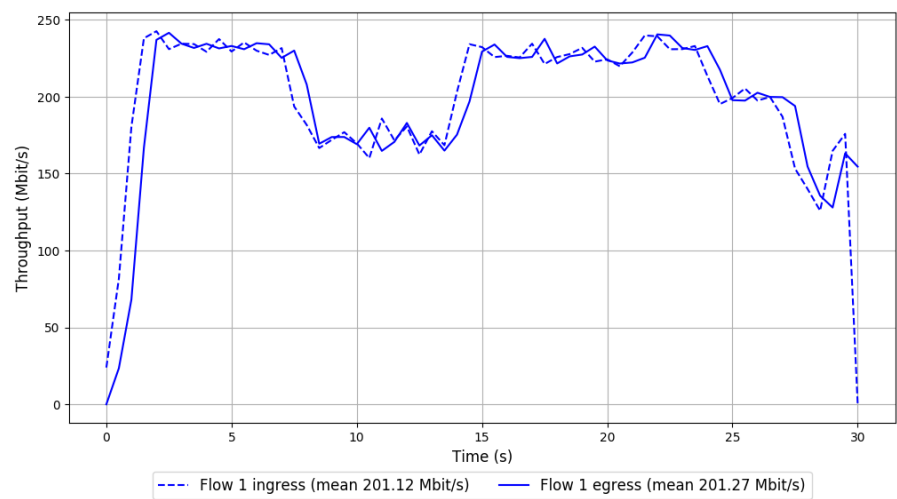
-- Flow 1:

Average throughput: 201.27 Mbit/s

95th percentile per-packet one-way delay: 62.795 ms

Loss rate: 0.34%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-19 18:15:56

End at: 2018-06-19 18:16:26

Local clock offset: 0.038 ms

Remote clock offset: -1.062 ms

Below is generated by plot.py at 2018-06-19 21:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.65 Mbit/s

95th percentile per-packet one-way delay: 64.583 ms

Loss rate: 0.25%

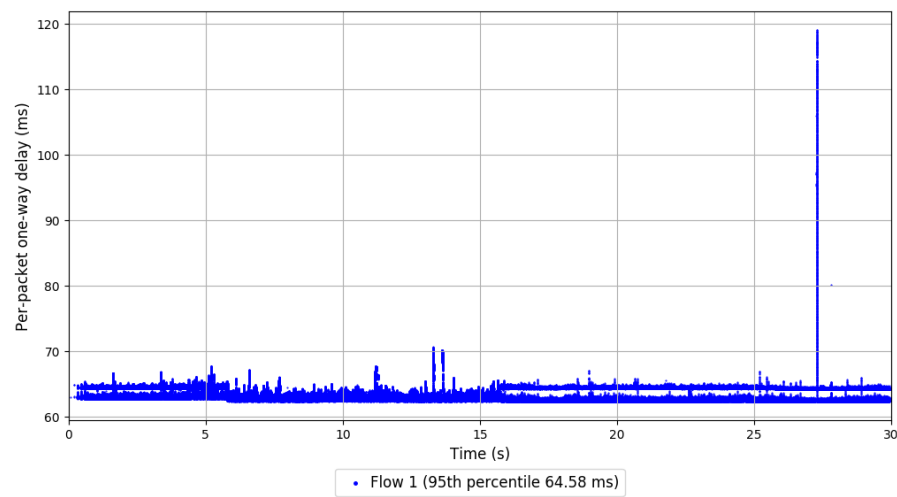
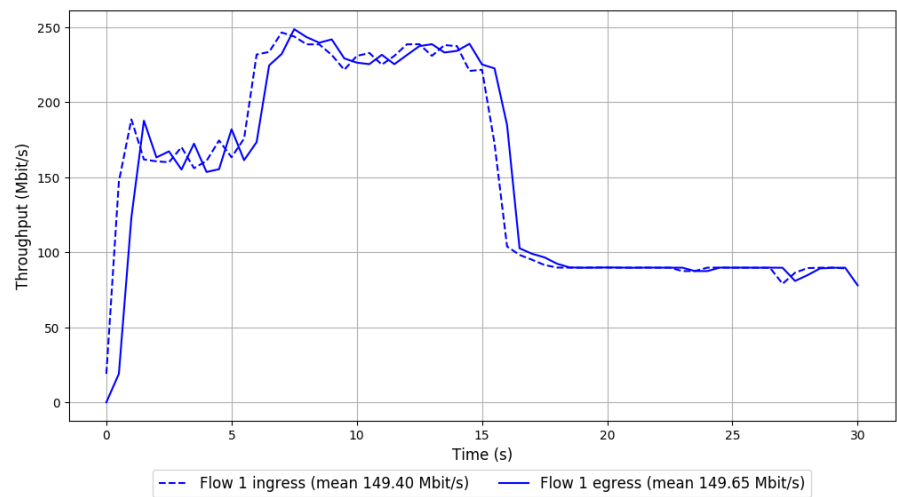
-- Flow 1:

Average throughput: 149.65 Mbit/s

95th percentile per-packet one-way delay: 64.583 ms

Loss rate: 0.25%

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

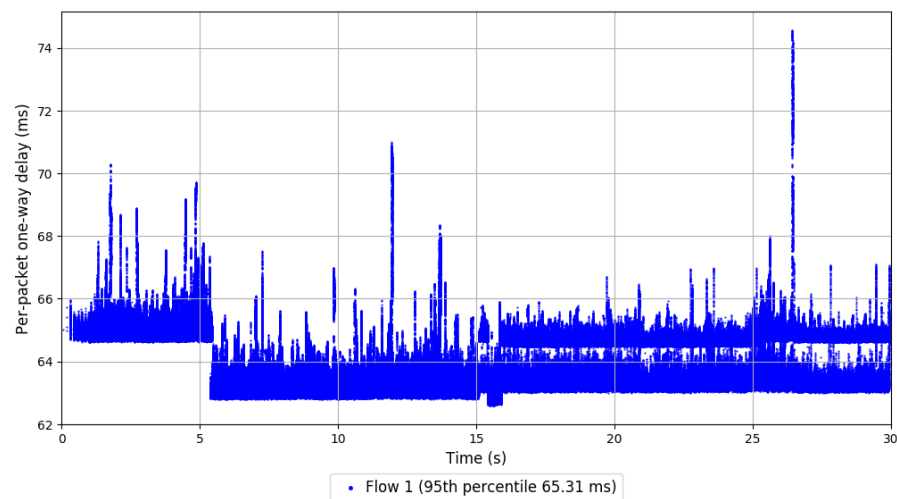
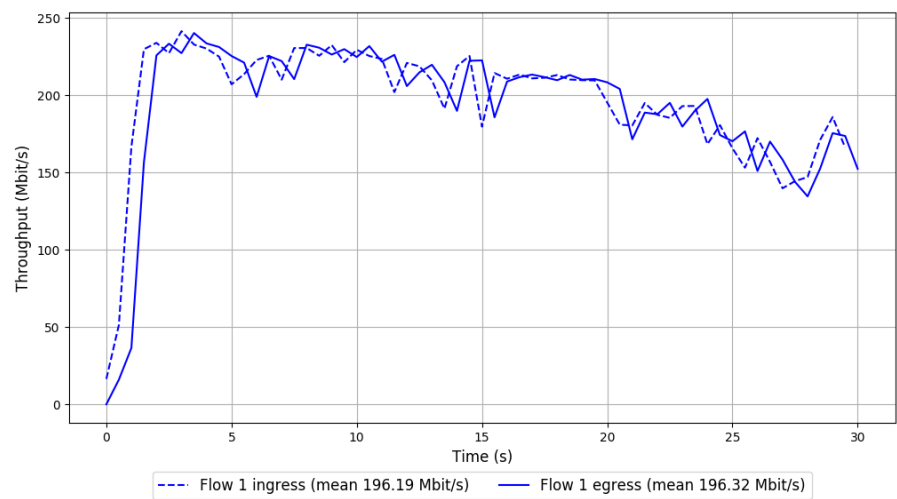


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-19 18:35:56
End at: 2018-06-19 18:36:26
Local clock offset: -0.016 ms
Remote clock offset: -1.256 ms

Below is generated by plot.py at 2018-06-19 21:50:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.32 Mbit/s
95th percentile per-packet one-way delay: 65.315 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 196.32 Mbit/s
95th percentile per-packet one-way delay: 65.315 ms
Loss rate: 0.36%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-19 18:56:31

End at: 2018-06-19 18:57:01

Local clock offset: -0.123 ms

Remote clock offset: 1.296 ms

Below is generated by plot.py at 2018-06-19 21:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.10 Mbit/s

95th percentile per-packet one-way delay: 62.568 ms

Loss rate: 0.35%

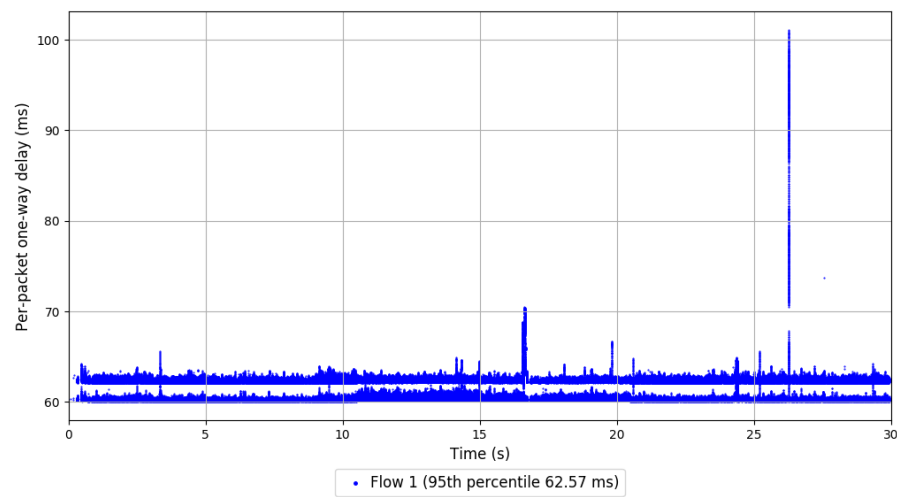
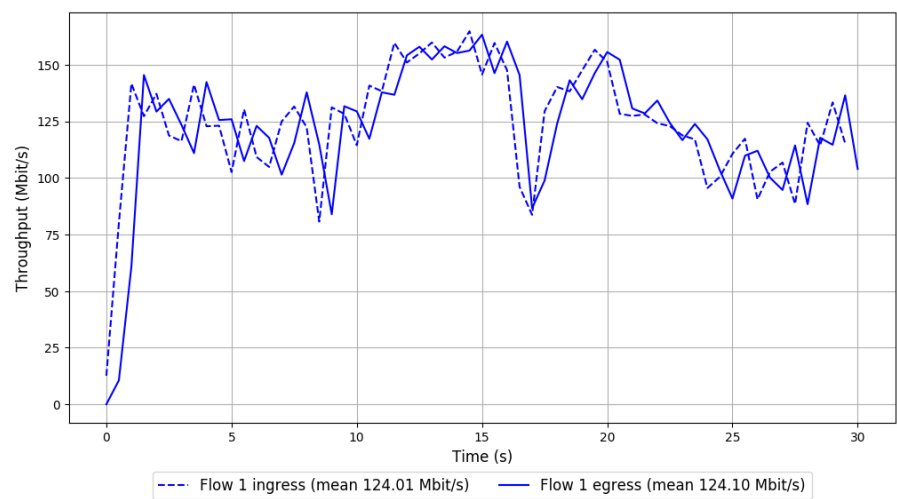
-- Flow 1:

Average throughput: 124.10 Mbit/s

95th percentile per-packet one-way delay: 62.568 ms

Loss rate: 0.35%

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

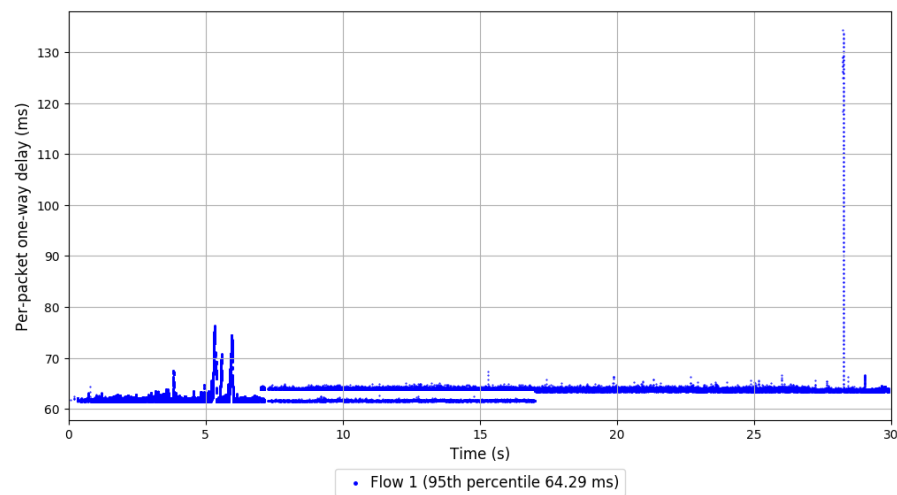
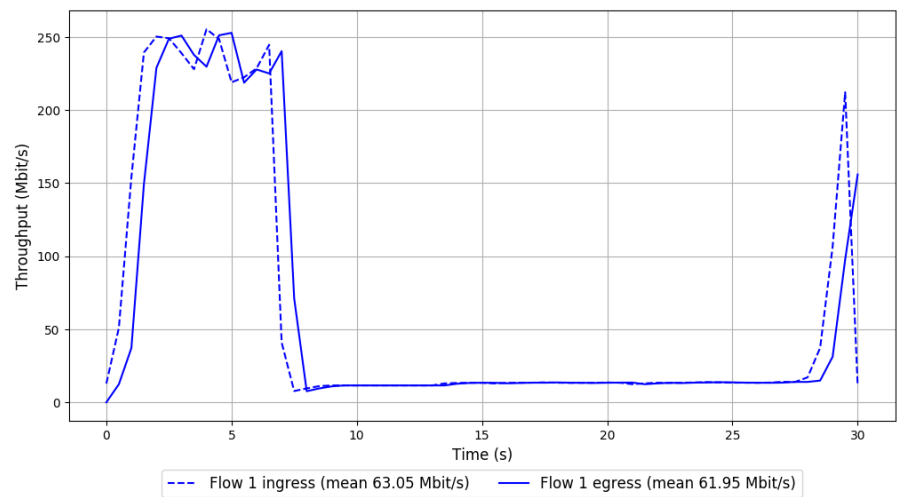


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-19 19:17:05
End at: 2018-06-19 19:17:35
Local clock offset: 0.049 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-19 21:50:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 64.294 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 64.294 ms
Loss rate: 2.28%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-19 19:37:24

End at: 2018-06-19 19:37:54

Local clock offset: 0.122 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-06-19 21:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.35 Mbit/s

95th percentile per-packet one-way delay: 64.119 ms

Loss rate: 0.27%

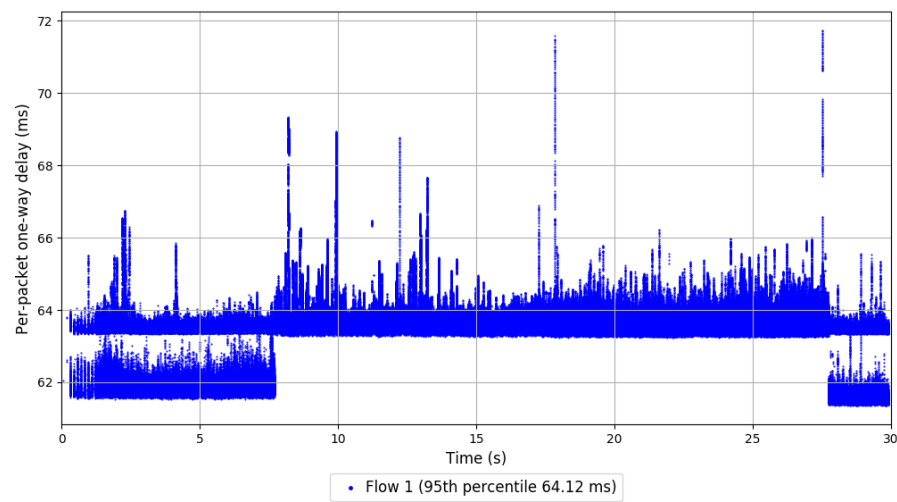
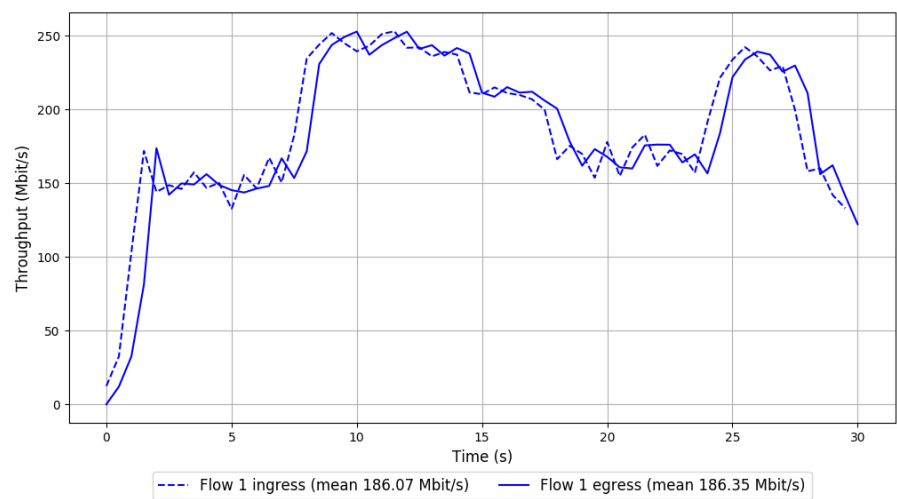
-- Flow 1:

Average throughput: 186.35 Mbit/s

95th percentile per-packet one-way delay: 64.119 ms

Loss rate: 0.27%

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

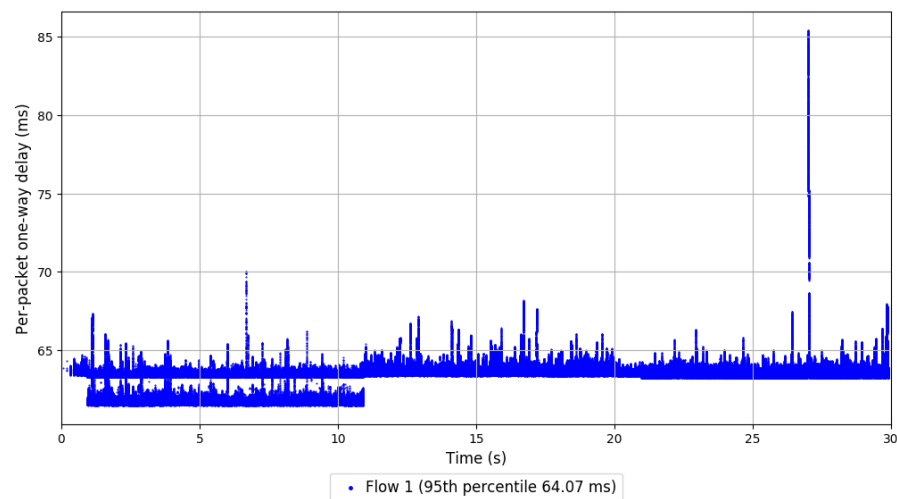
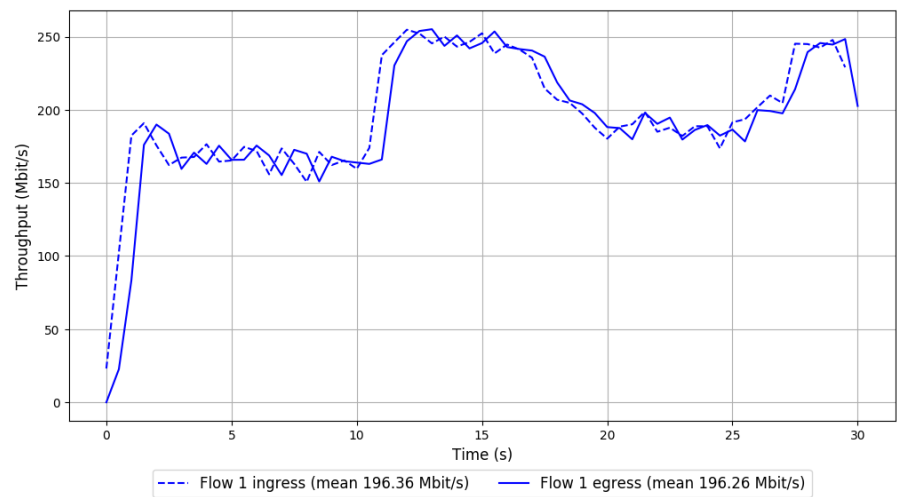


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-19 19:58:01
End at: 2018-06-19 19:58:31
Local clock offset: -0.103 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-06-19 21:55:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.26 Mbit/s
95th percentile per-packet one-way delay: 64.072 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 196.26 Mbit/s
95th percentile per-packet one-way delay: 64.072 ms
Loss rate: 0.48%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-19 20:18:39

End at: 2018-06-19 20:19:09

Local clock offset: 0.053 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-19 21:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.35 Mbit/s

95th percentile per-packet one-way delay: 63.925 ms

Loss rate: 0.25%

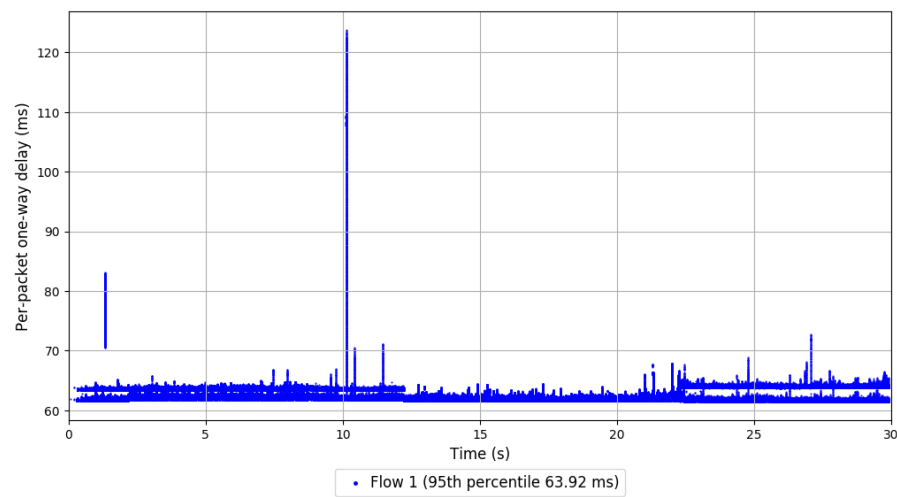
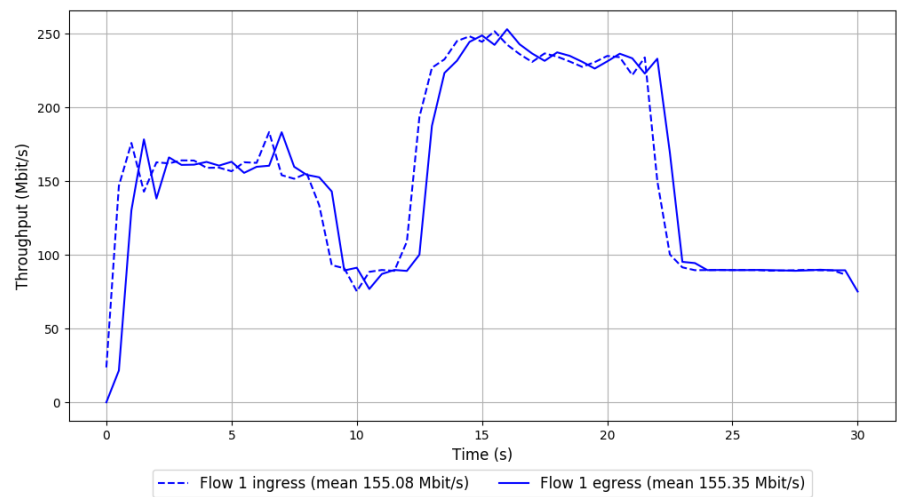
-- Flow 1:

Average throughput: 155.35 Mbit/s

95th percentile per-packet one-way delay: 63.925 ms

Loss rate: 0.25%

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

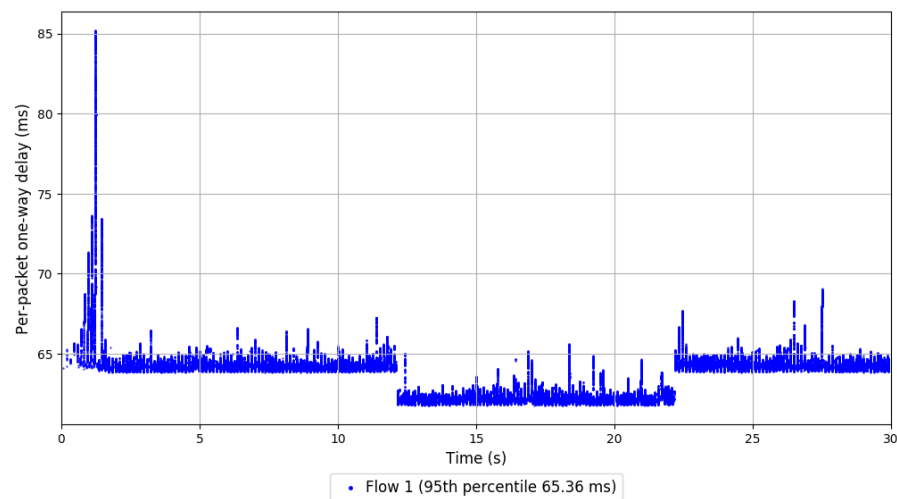
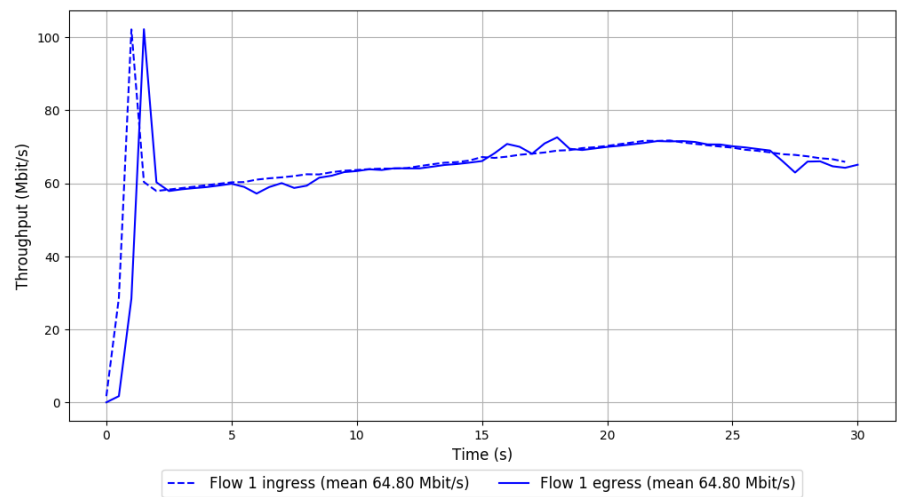


Run 1: Statistics of TCP Vegas

Start at: 2018-06-19 17:12:09
End at: 2018-06-19 17:12:39
Local clock offset: -0.021 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-06-19 21:55:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 65.361 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 65.361 ms
Loss rate: 0.43%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-19 17:32:25

End at: 2018-06-19 17:32:55

Local clock offset: 0.012 ms

Remote clock offset: 1.302 ms

Below is generated by plot.py at 2018-06-19 21:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.89 Mbit/s

95th percentile per-packet one-way delay: 72.212 ms

Loss rate: 0.35%

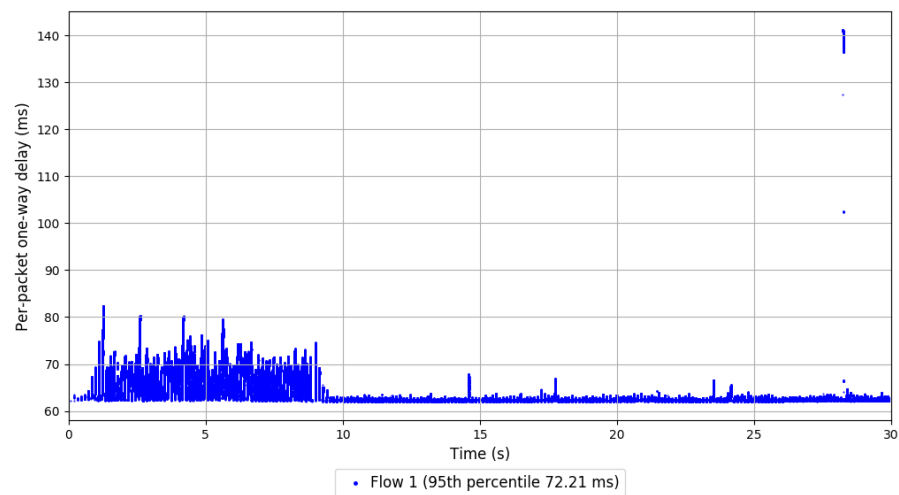
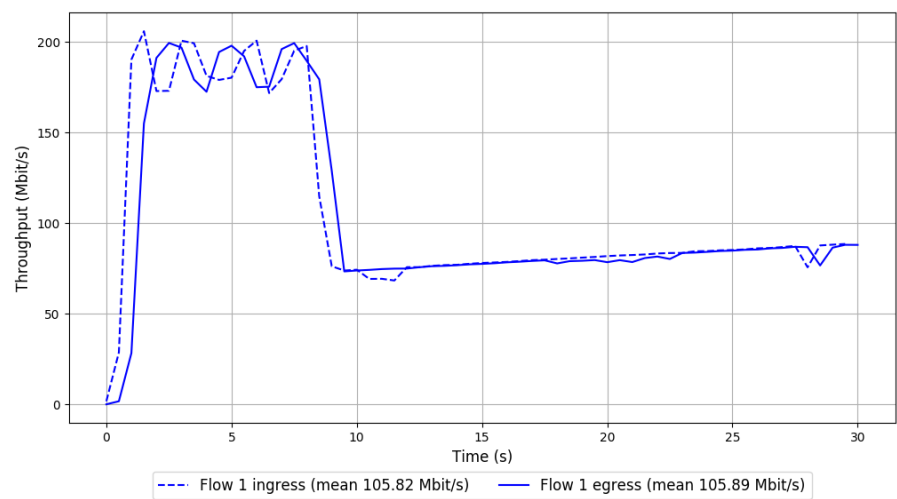
-- Flow 1:

Average throughput: 105.89 Mbit/s

95th percentile per-packet one-way delay: 72.212 ms

Loss rate: 0.35%

Run 2: Report of TCP Vegas — Data Link

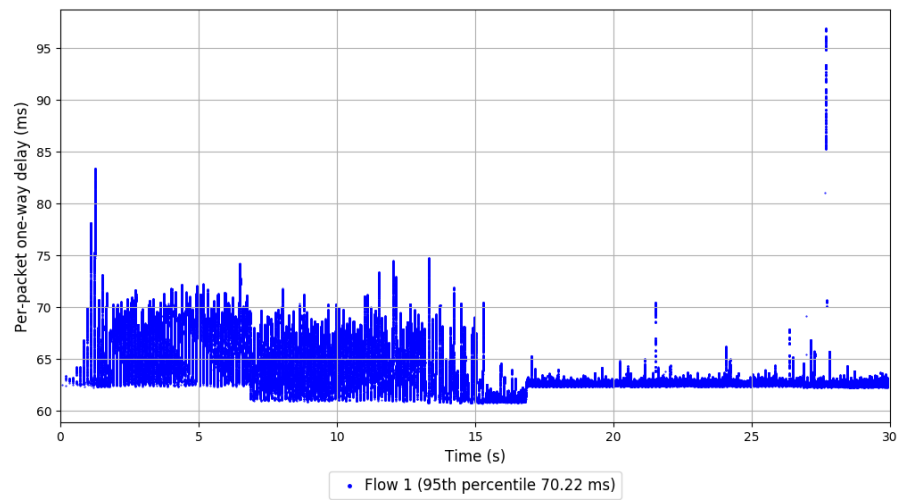
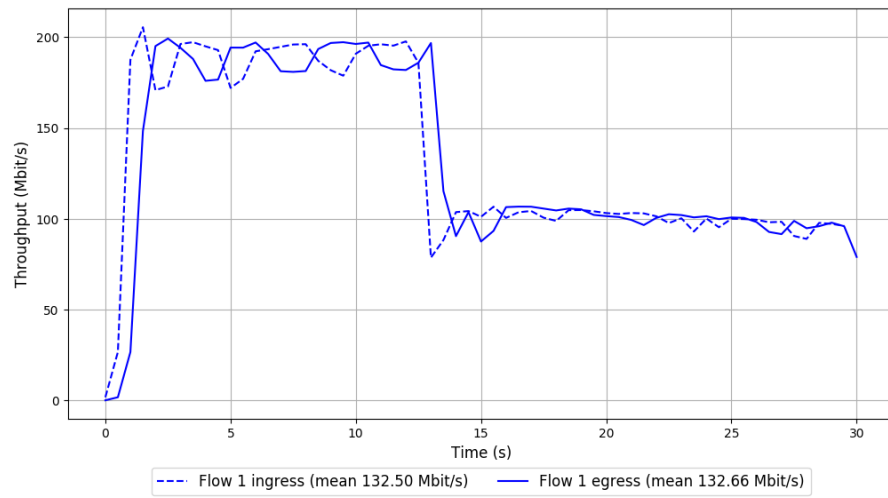


Run 3: Statistics of TCP Vegas

Start at: 2018-06-19 17:52:45
End at: 2018-06-19 17:53:15
Local clock offset: -0.004 ms
Remote clock offset: 1.01 ms

Below is generated by plot.py at 2018-06-19 21:55:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.66 Mbit/s
95th percentile per-packet one-way delay: 70.219 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 132.66 Mbit/s
95th percentile per-packet one-way delay: 70.219 ms
Loss rate: 0.30%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-19 18:13:23

End at: 2018-06-19 18:13:53

Local clock offset: 0.016 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-06-19 21:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.62 Mbit/s

95th percentile per-packet one-way delay: 64.390 ms

Loss rate: 0.57%

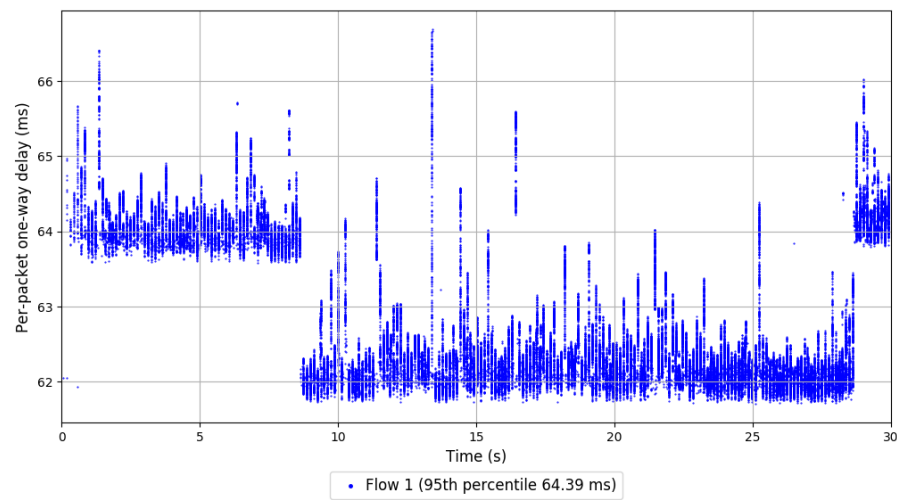
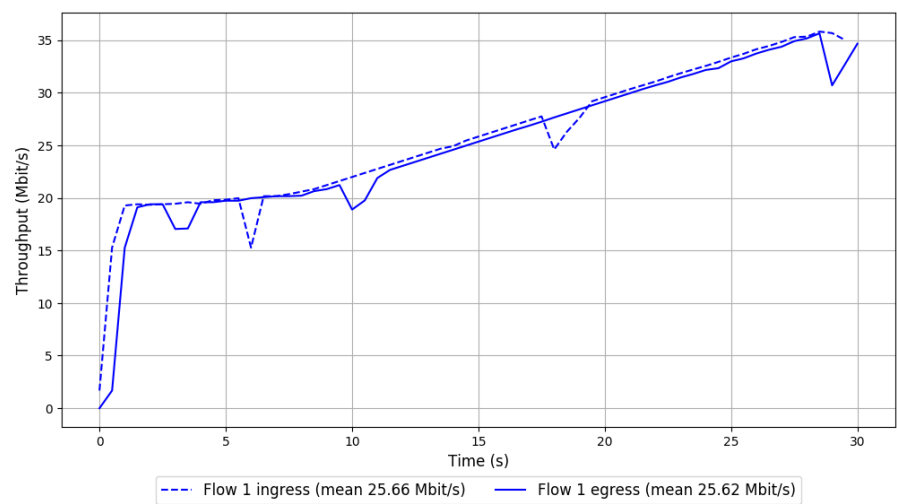
-- Flow 1:

Average throughput: 25.62 Mbit/s

95th percentile per-packet one-way delay: 64.390 ms

Loss rate: 0.57%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-19 18:33:25

End at: 2018-06-19 18:33:55

Local clock offset: -0.017 ms

Remote clock offset: 1.279 ms

Below is generated by plot.py at 2018-06-19 21:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.18 Mbit/s

95th percentile per-packet one-way delay: 63.183 ms

Loss rate: 0.53%

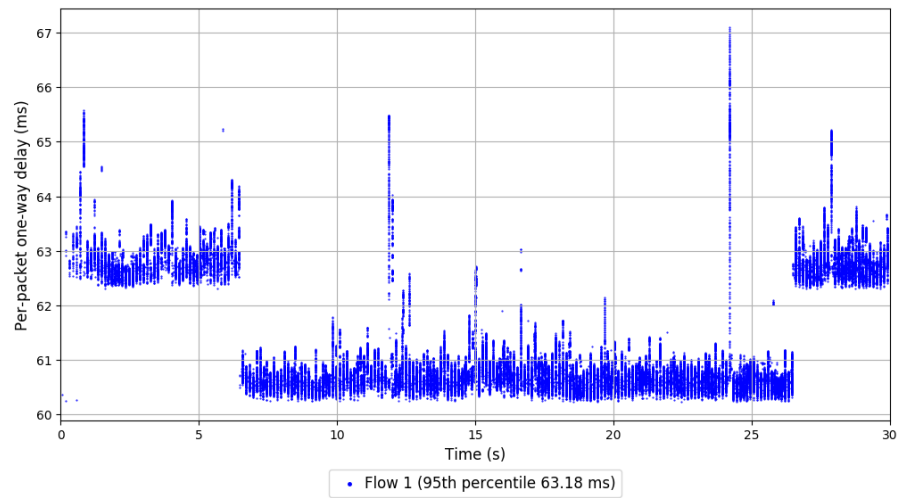
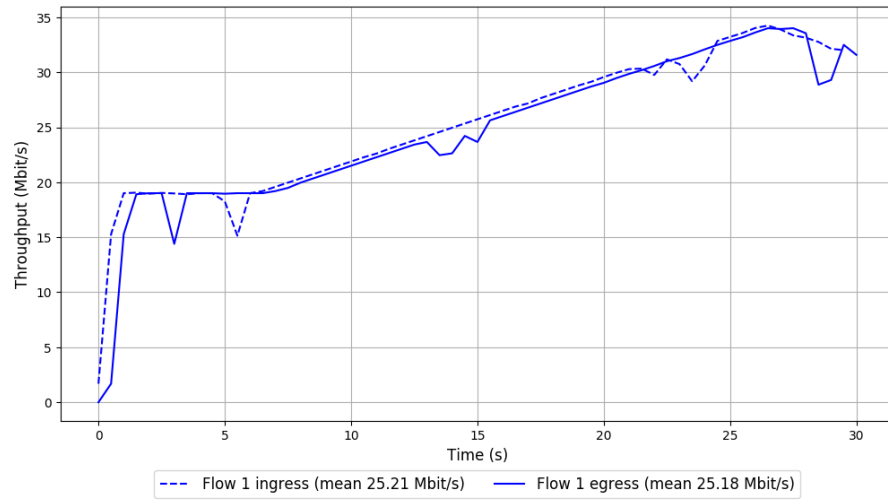
-- Flow 1:

Average throughput: 25.18 Mbit/s

95th percentile per-packet one-way delay: 63.183 ms

Loss rate: 0.53%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-19 18:54:02

End at: 2018-06-19 18:54:32

Local clock offset: -0.071 ms

Remote clock offset: 1.14 ms

Below is generated by plot.py at 2018-06-19 21:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.05 Mbit/s

95th percentile per-packet one-way delay: 71.433 ms

Loss rate: 0.15%

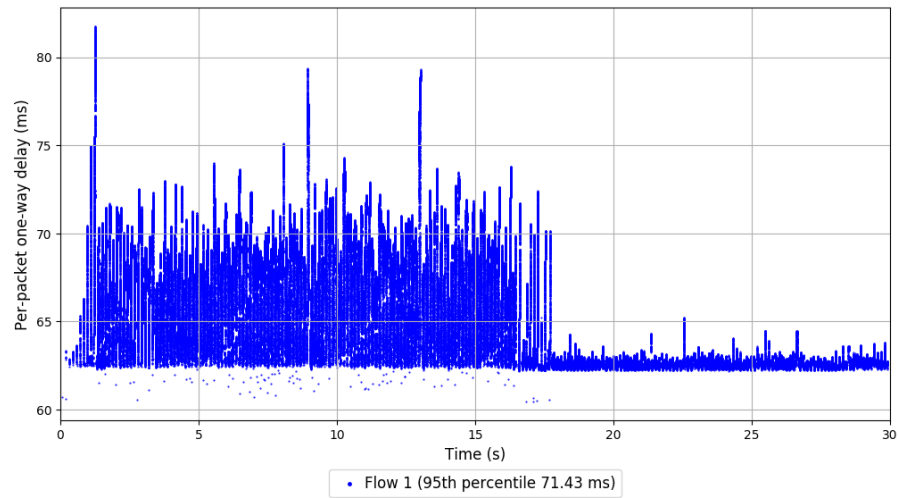
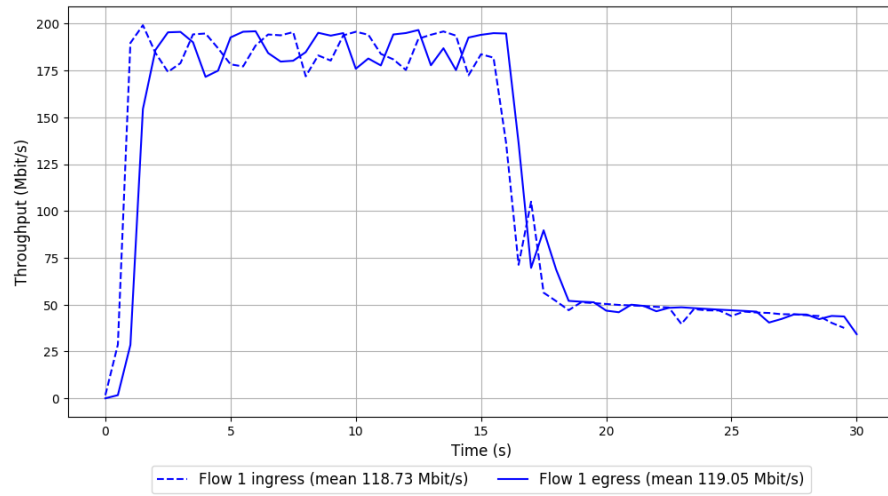
-- Flow 1:

Average throughput: 119.05 Mbit/s

95th percentile per-packet one-way delay: 71.433 ms

Loss rate: 0.15%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-19 19:14:27

End at: 2018-06-19 19:14:57

Local clock offset: 0.077 ms

Remote clock offset: 1.331 ms

Below is generated by plot.py at 2018-06-19 21:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.28 Mbit/s

95th percentile per-packet one-way delay: 63.600 ms

Loss rate: 0.36%

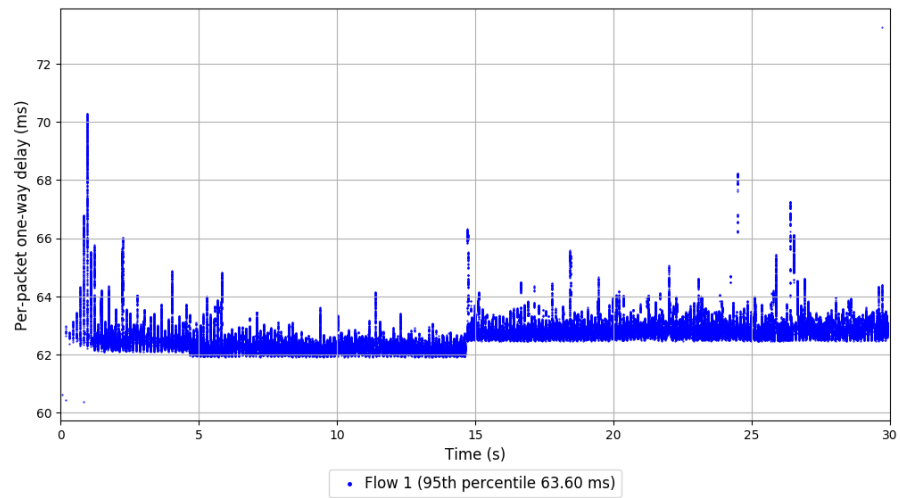
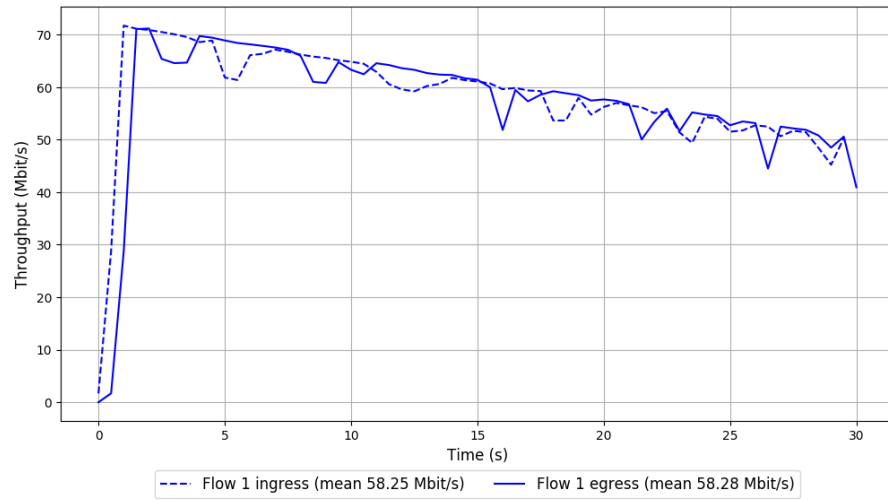
-- Flow 1:

Average throughput: 58.28 Mbit/s

95th percentile per-packet one-way delay: 63.600 ms

Loss rate: 0.36%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-19 19:34:52

End at: 2018-06-19 19:35:22

Local clock offset: 0.147 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-06-19 21:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.32 Mbit/s

95th percentile per-packet one-way delay: 74.233 ms

Loss rate: 0.44%

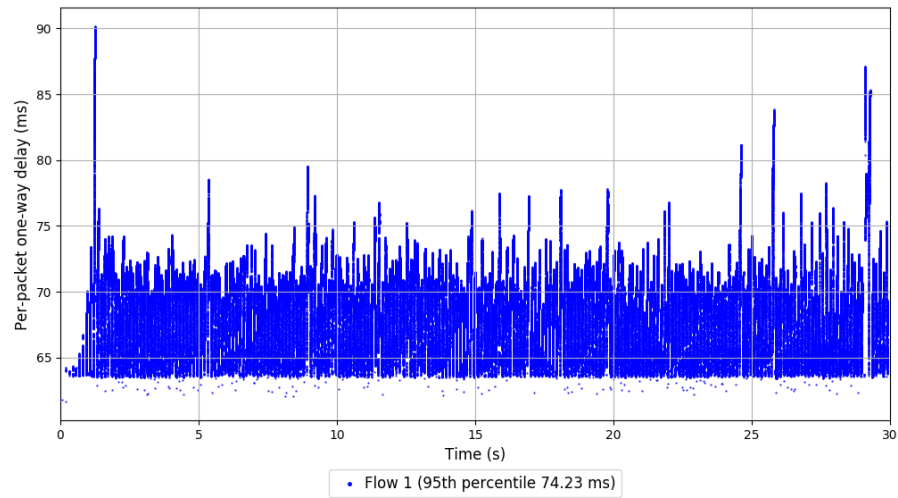
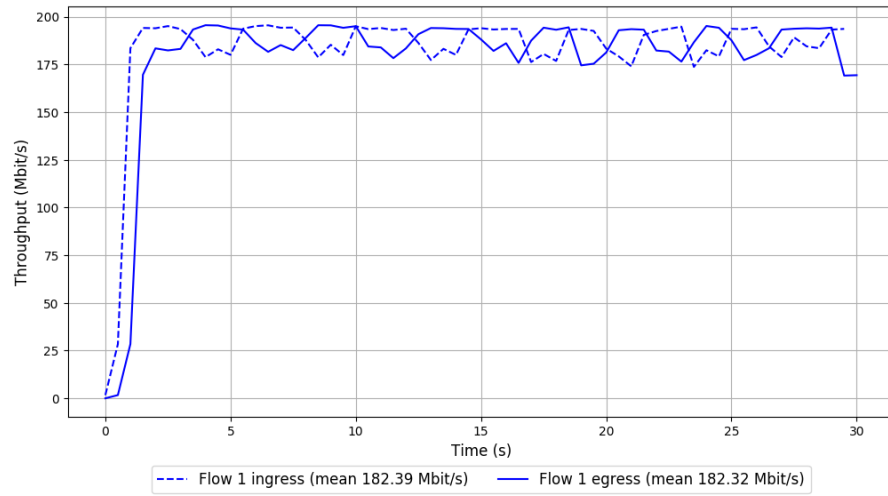
-- Flow 1:

Average throughput: 182.32 Mbit/s

95th percentile per-packet one-way delay: 74.233 ms

Loss rate: 0.44%

Run 8: Report of TCP Vegas — Data Link

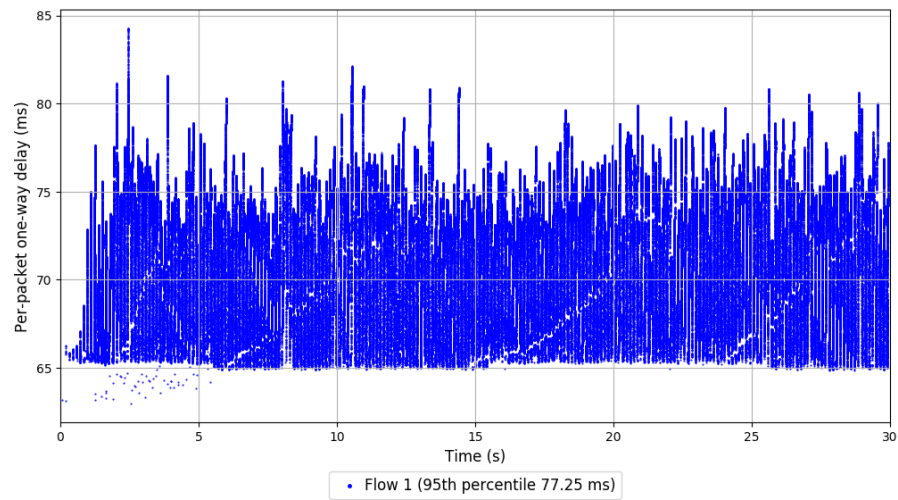
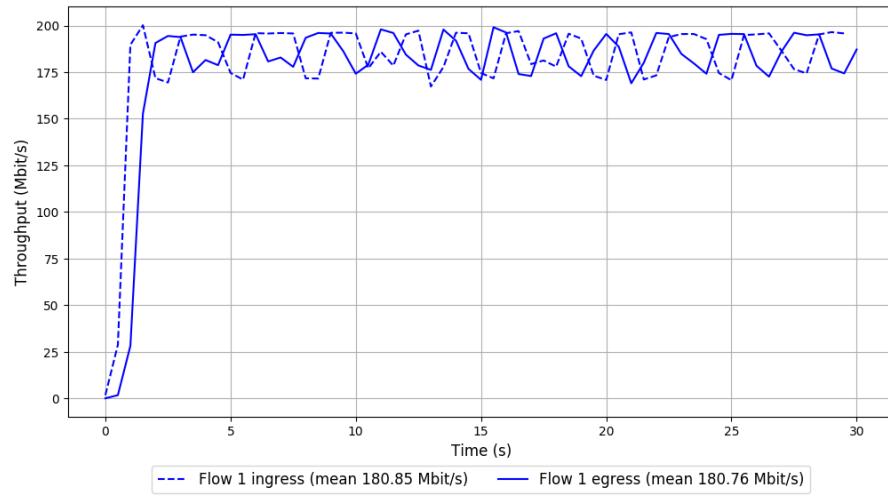


Run 9: Statistics of TCP Vegas

Start at: 2018-06-19 19:55:26
End at: 2018-06-19 19:55:56
Local clock offset: -0.087 ms
Remote clock offset: -1.448 ms

Below is generated by plot.py at 2018-06-19 21:55:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.76 Mbit/s
95th percentile per-packet one-way delay: 77.250 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 180.76 Mbit/s
95th percentile per-packet one-way delay: 77.250 ms
Loss rate: 0.45%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-19 20:16:10

End at: 2018-06-19 20:16:40

Local clock offset: -0.041 ms

Remote clock offset: 1.182 ms

Below is generated by plot.py at 2018-06-19 21:55:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.72 Mbit/s

95th percentile per-packet one-way delay: 71.872 ms

Loss rate: 0.44%

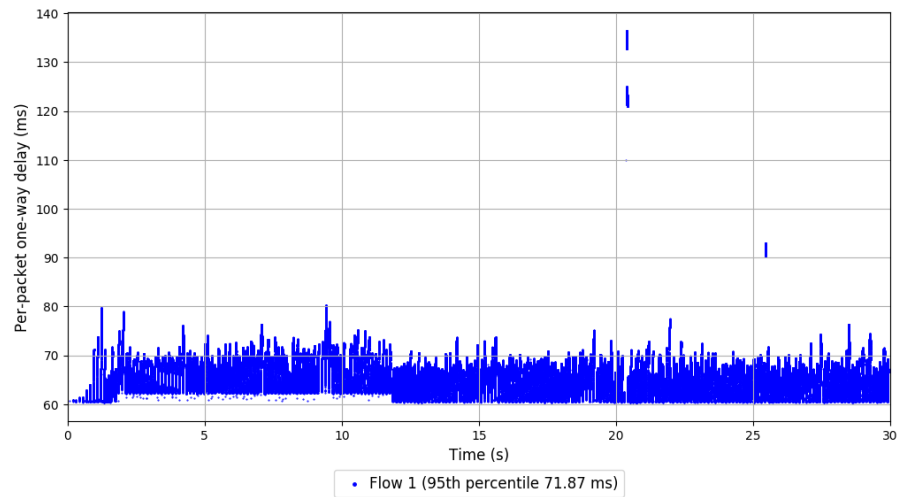
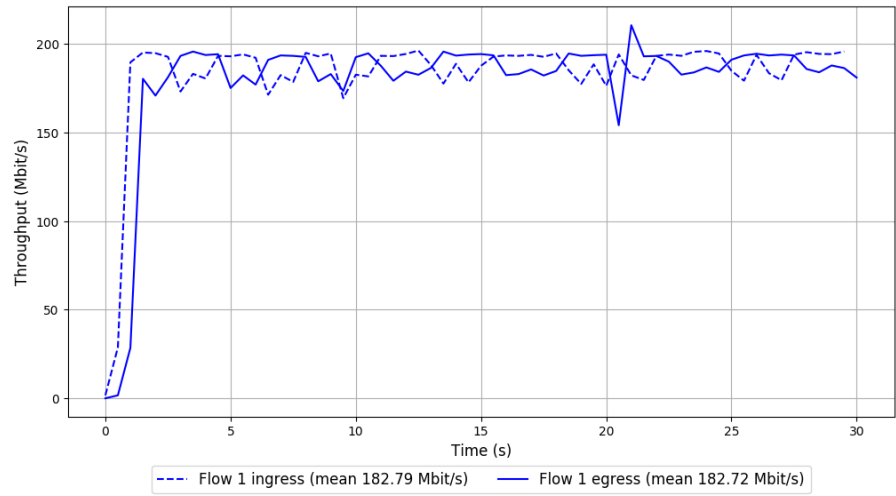
-- Flow 1:

Average throughput: 182.72 Mbit/s

95th percentile per-packet one-way delay: 71.872 ms

Loss rate: 0.44%

Run 10: Report of TCP Vegas — Data Link

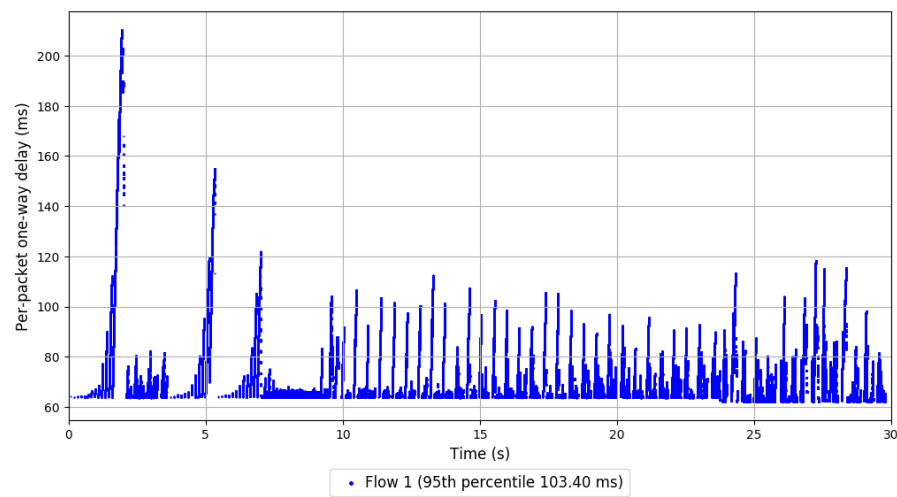
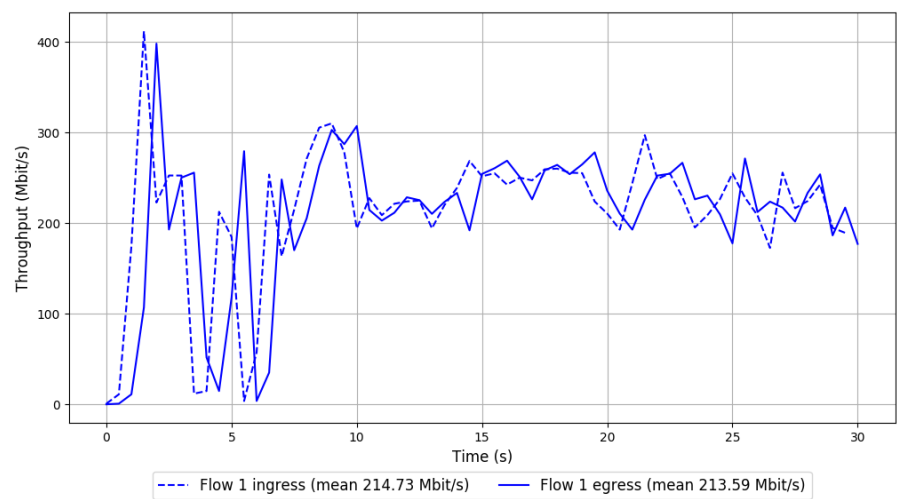


Run 1: Statistics of Verus

Start at: 2018-06-19 17:18:28
End at: 2018-06-19 17:18:58
Local clock offset: -0.082 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-06-19 21:57:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.59 Mbit/s
95th percentile per-packet one-way delay: 103.398 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 213.59 Mbit/s
95th percentile per-packet one-way delay: 103.398 ms
Loss rate: 0.97%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-19 17:38:31

End at: 2018-06-19 17:39:01

Local clock offset: -0.024 ms

Remote clock offset: 0.88 ms

Below is generated by plot.py at 2018-06-19 21:58:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.62 Mbit/s

95th percentile per-packet one-way delay: 86.435 ms

Loss rate: 2.35%

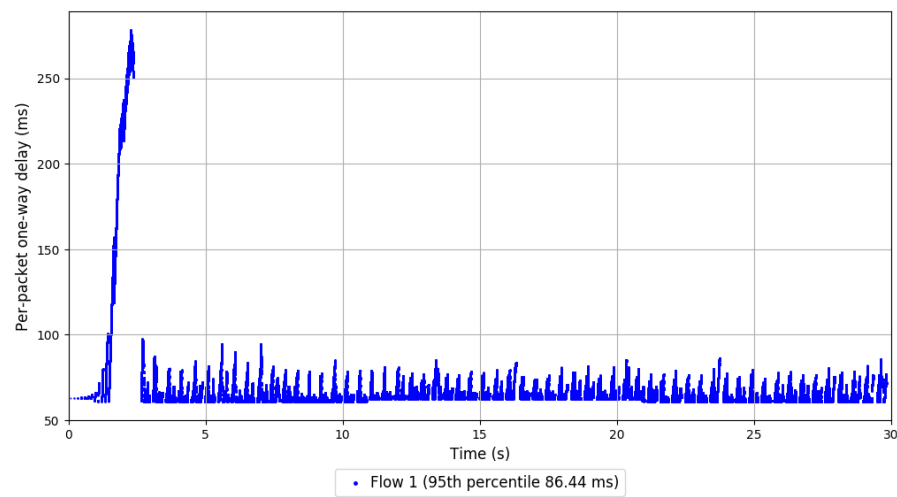
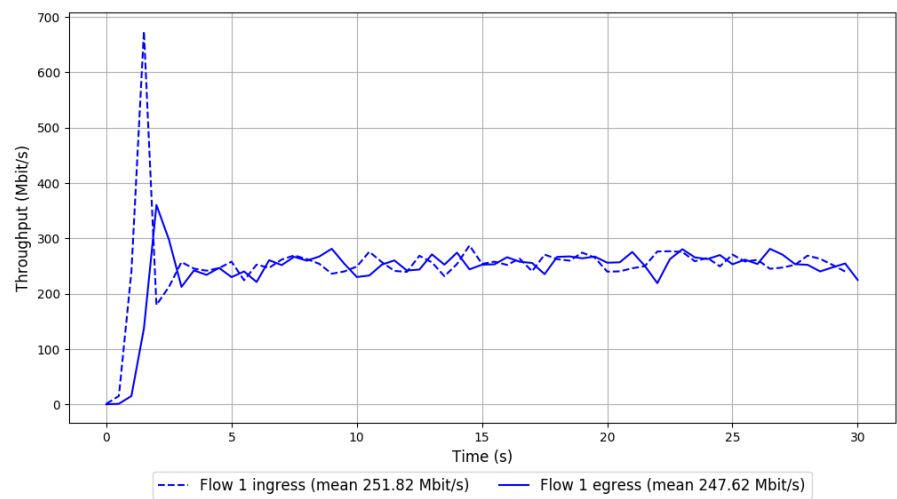
-- Flow 1:

Average throughput: 247.62 Mbit/s

95th percentile per-packet one-way delay: 86.435 ms

Loss rate: 2.35%

Run 2: Report of Verus — Data Link

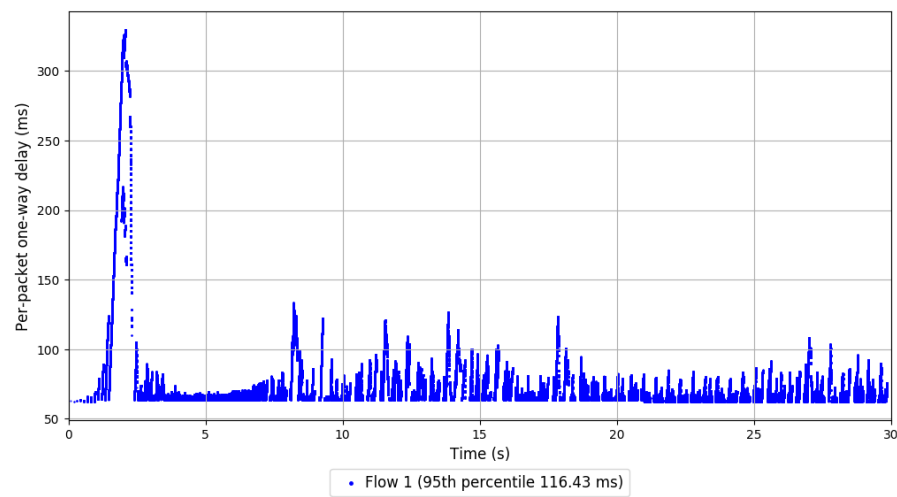
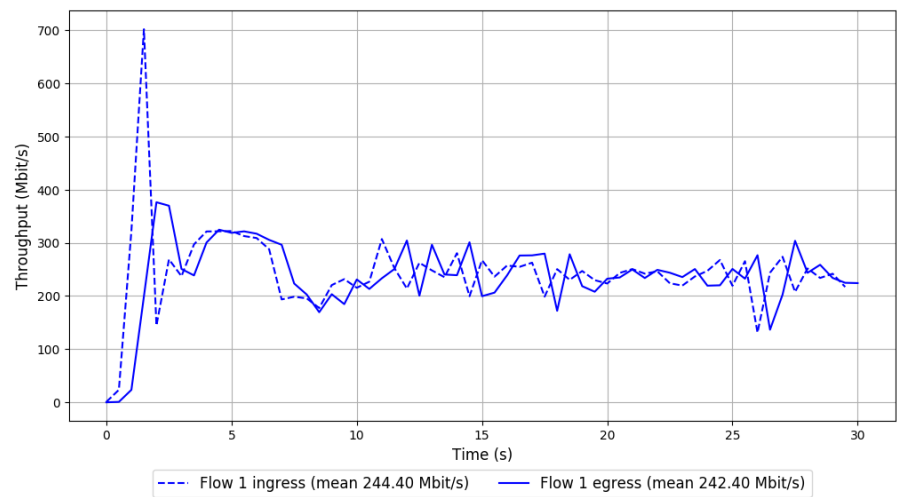


Run 3: Statistics of Verus

Start at: 2018-06-19 17:59:01
End at: 2018-06-19 17:59:31
Local clock offset: 0.03 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-06-19 21:59:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.40 Mbit/s
95th percentile per-packet one-way delay: 116.427 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 242.40 Mbit/s
95th percentile per-packet one-way delay: 116.427 ms
Loss rate: 1.39%

Run 3: Report of Verus — Data Link

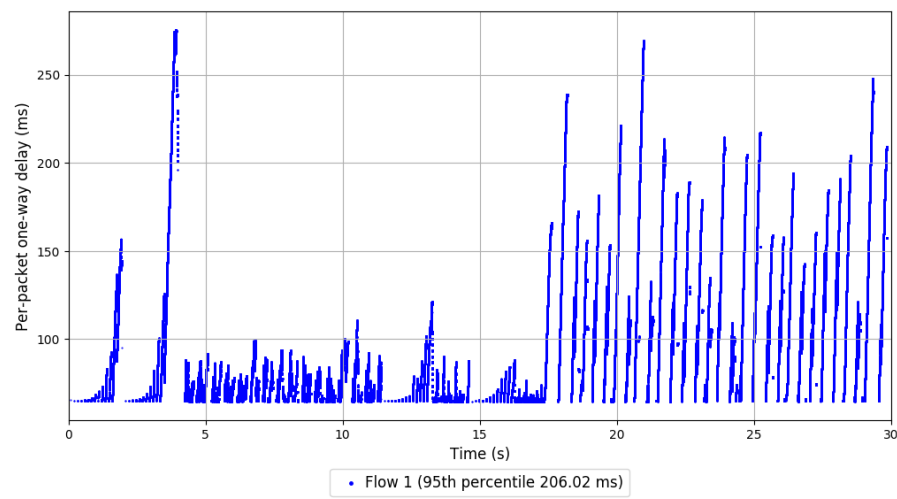
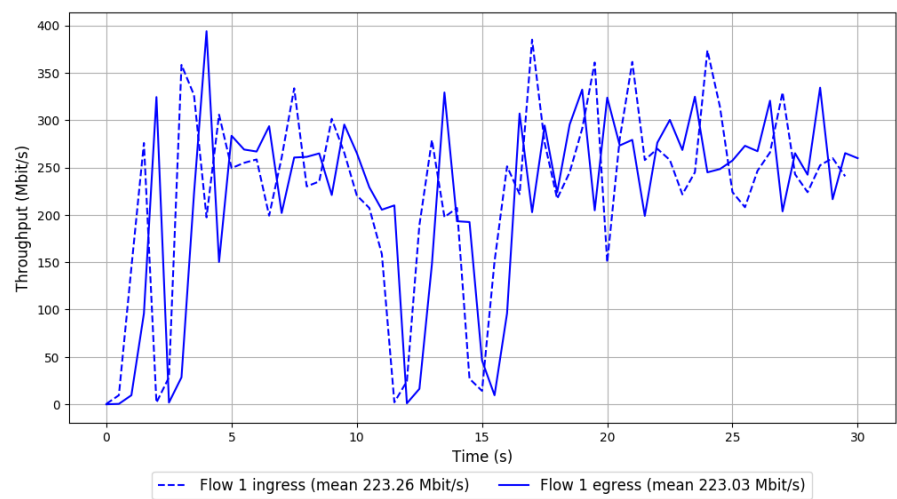


Run 4: Statistics of Verus

Start at: 2018-06-19 18:19:38
End at: 2018-06-19 18:20:08
Local clock offset: 0.037 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2018-06-19 21:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.03 Mbit/s
95th percentile per-packet one-way delay: 206.017 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 223.03 Mbit/s
95th percentile per-packet one-way delay: 206.017 ms
Loss rate: 0.73%

Run 4: Report of Verus — Data Link

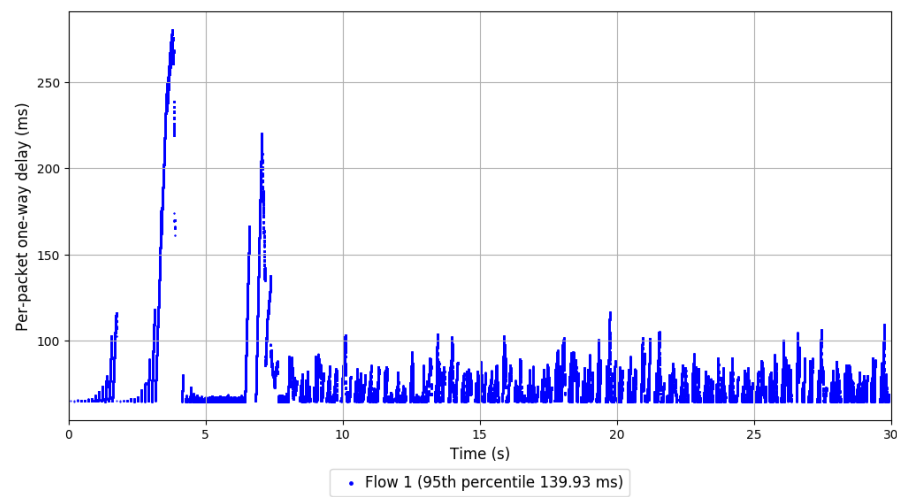
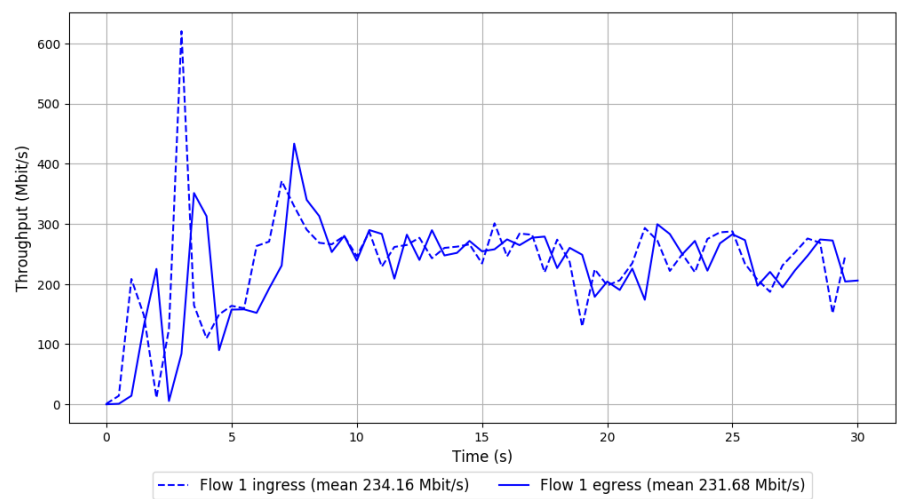


Run 5: Statistics of Verus

Start at: 2018-06-19 18:39:43
End at: 2018-06-19 18:40:13
Local clock offset: -0.035 ms
Remote clock offset: -1.258 ms

Below is generated by plot.py at 2018-06-19 21:59:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.68 Mbit/s
95th percentile per-packet one-way delay: 139.927 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 231.68 Mbit/s
95th percentile per-packet one-way delay: 139.927 ms
Loss rate: 1.49%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-19 19:00:10

End at: 2018-06-19 19:00:40

Local clock offset: -0.061 ms

Remote clock offset: -1.26 ms

Below is generated by plot.py at 2018-06-19 22:00:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.16 Mbit/s

95th percentile per-packet one-way delay: 274.398 ms

Loss rate: 7.10%

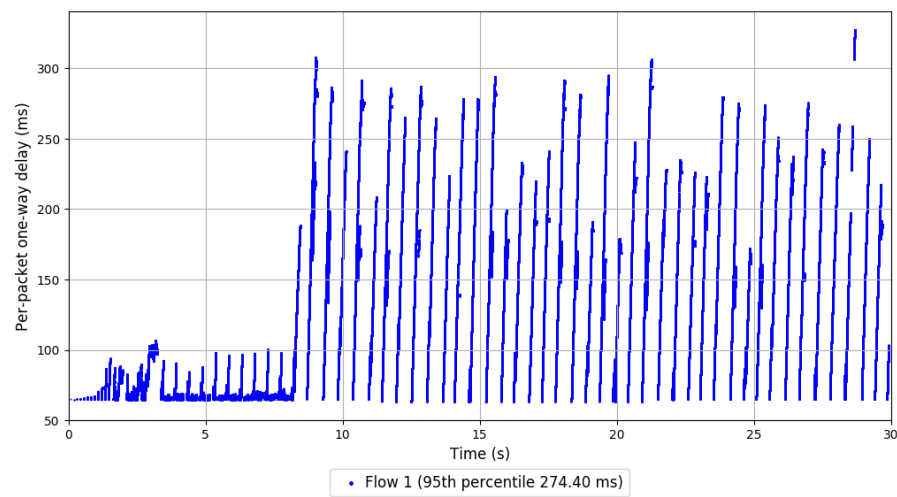
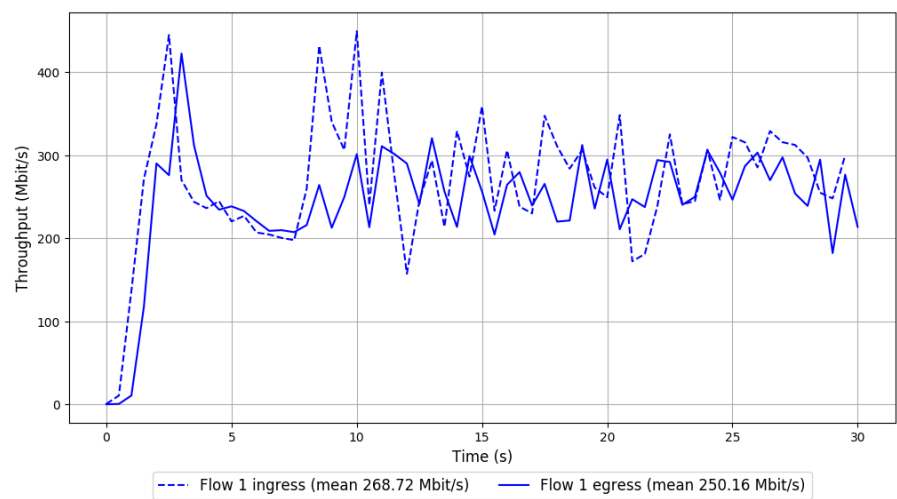
-- Flow 1:

Average throughput: 250.16 Mbit/s

95th percentile per-packet one-way delay: 274.398 ms

Loss rate: 7.10%

Run 6: Report of Verus — Data Link

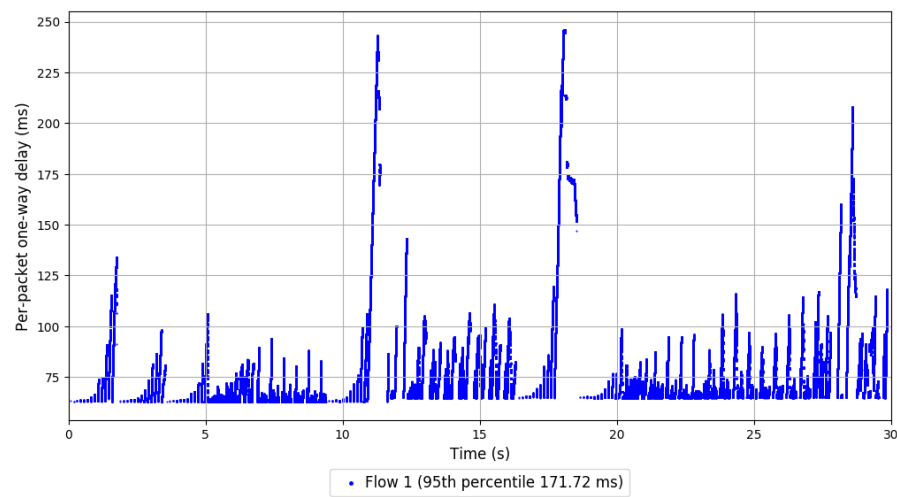
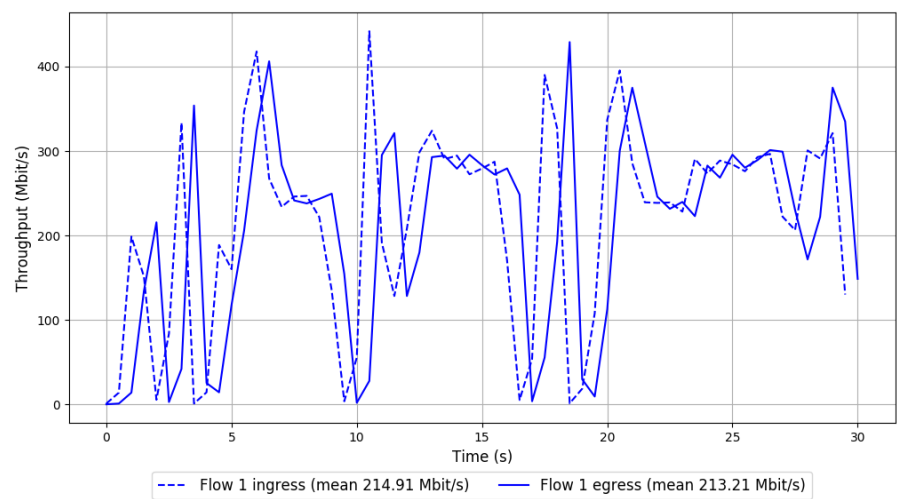


Run 7: Statistics of Verus

Start at: 2018-06-19 19:20:40
End at: 2018-06-19 19:21:10
Local clock offset: 0.06 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2018-06-19 22:00:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.21 Mbit/s
95th percentile per-packet one-way delay: 171.723 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 213.21 Mbit/s
95th percentile per-packet one-way delay: 171.723 ms
Loss rate: 1.01%

Run 7: Report of Verus — Data Link

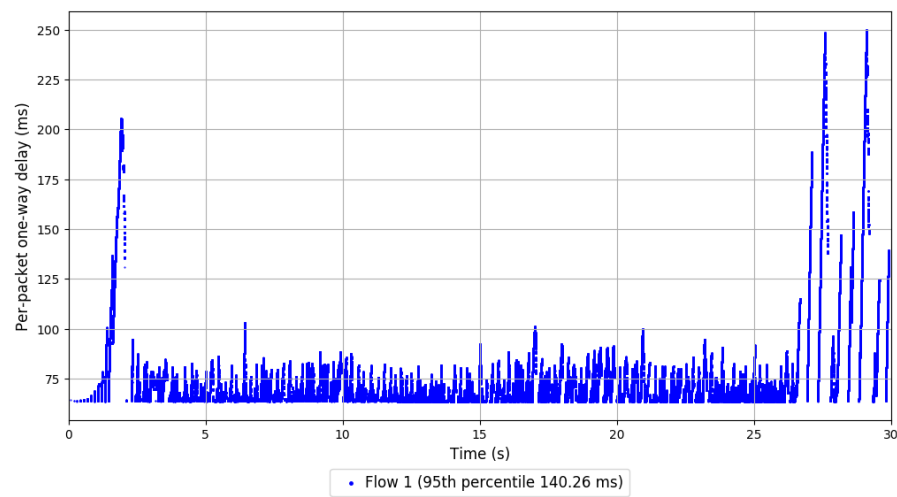
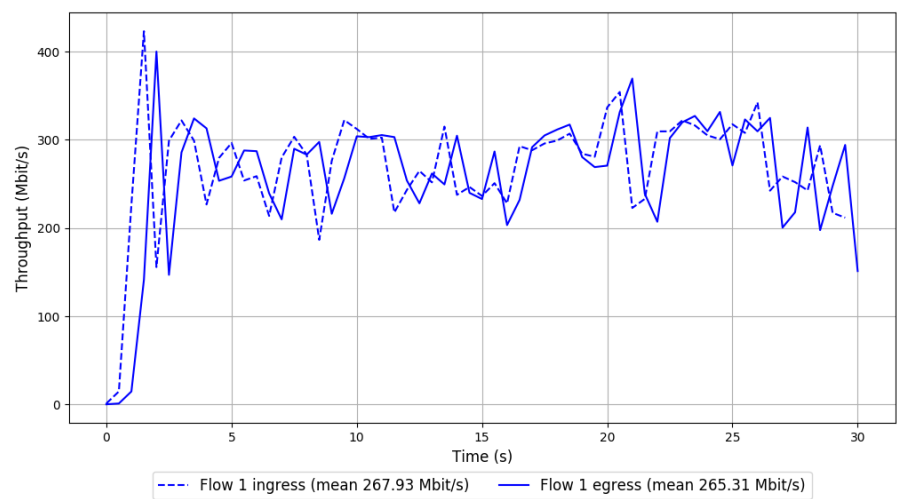


Run 8: Statistics of Verus

Start at: 2018-06-19 19:41:10
End at: 2018-06-19 19:41:40
Local clock offset: 0.059 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-19 22:01:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.31 Mbit/s
95th percentile per-packet one-way delay: 140.265 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 265.31 Mbit/s
95th percentile per-packet one-way delay: 140.265 ms
Loss rate: 1.40%

Run 8: Report of Verus — Data Link

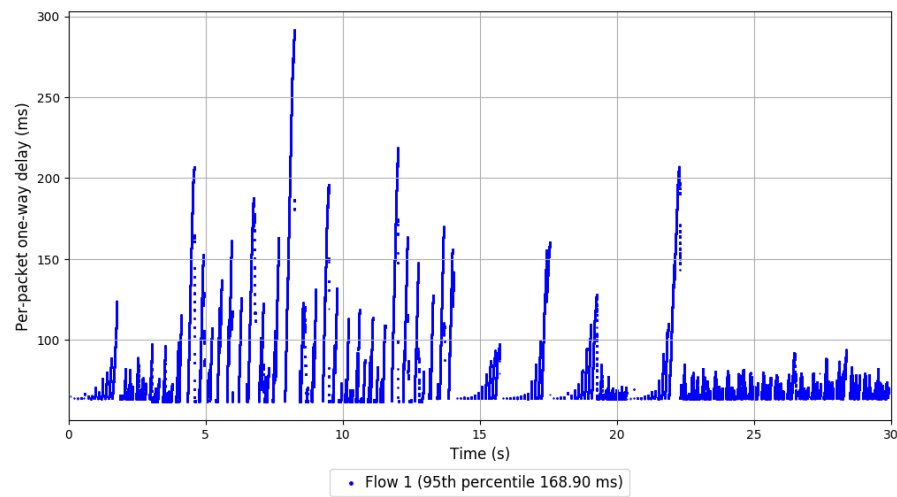
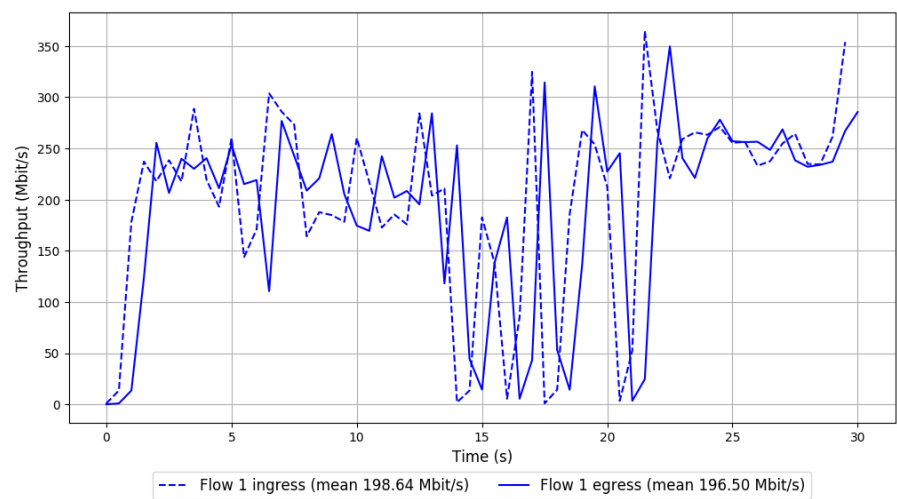


Run 9: Statistics of Verus

Start at: 2018-06-19 20:01:49
End at: 2018-06-19 20:02:19
Local clock offset: -0.108 ms
Remote clock offset: -0.337 ms

Below is generated by plot.py at 2018-06-19 22:01:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.50 Mbit/s
95th percentile per-packet one-way delay: 168.896 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 196.50 Mbit/s
95th percentile per-packet one-way delay: 168.896 ms
Loss rate: 1.51%

Run 9: Report of Verus — Data Link

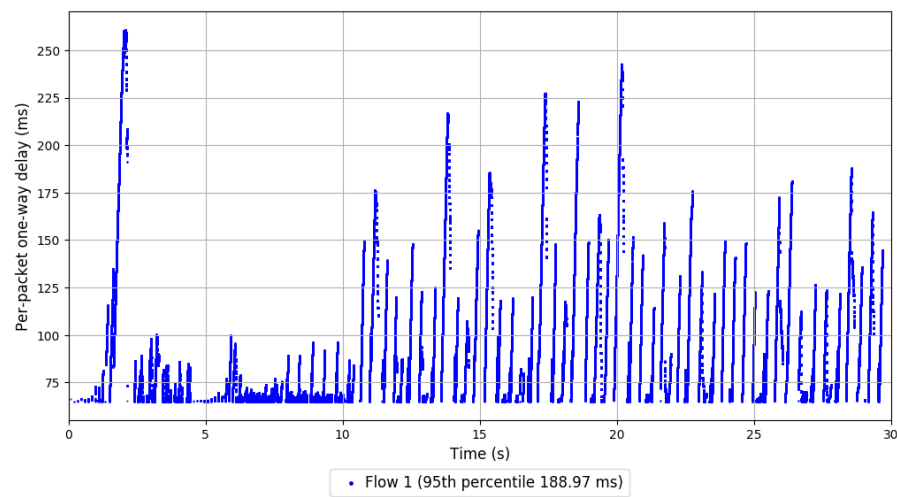
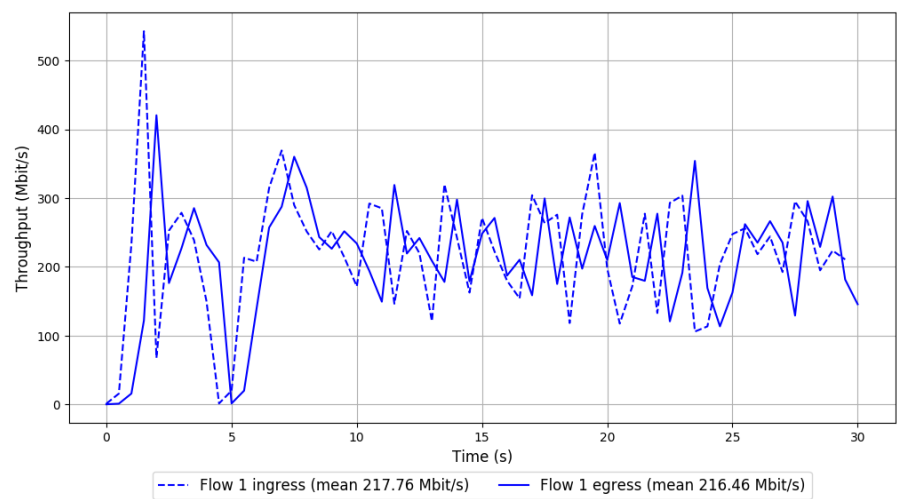


Run 10: Statistics of Verus

Start at: 2018-06-19 20:22:26
End at: 2018-06-19 20:22:56
Local clock offset: 0.091 ms
Remote clock offset: -1.489 ms

Below is generated by plot.py at 2018-06-19 22:02:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.46 Mbit/s
95th percentile per-packet one-way delay: 188.968 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 216.46 Mbit/s
95th percentile per-packet one-way delay: 188.968 ms
Loss rate: 1.71%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-19 17:05:27

End at: 2018-06-19 17:05:57

Local clock offset: -0.068 ms

Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-06-19 22:06:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.03 Mbit/s

95th percentile per-packet one-way delay: 108.454 ms

Loss rate: 0.44%

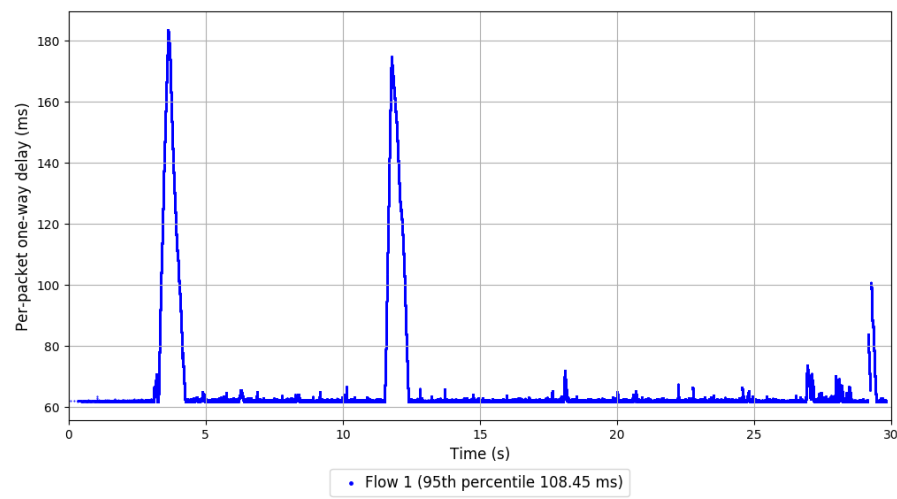
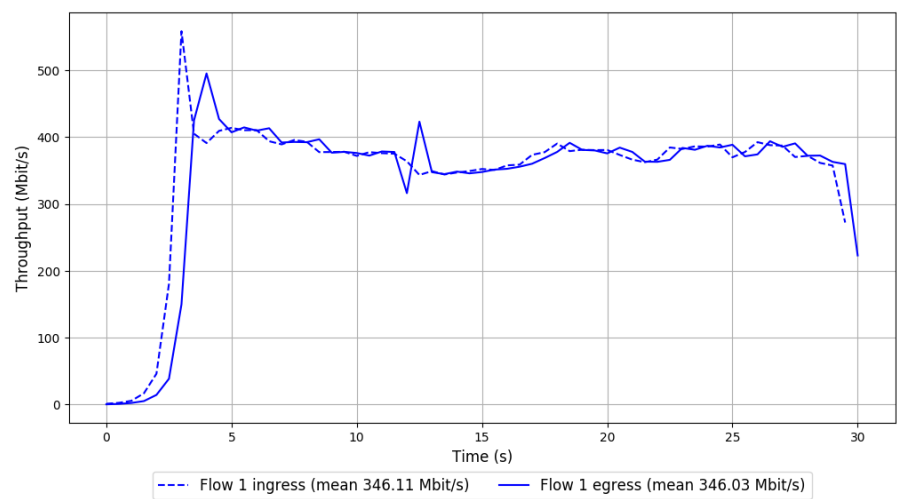
-- Flow 1:

Average throughput: 346.03 Mbit/s

95th percentile per-packet one-way delay: 108.454 ms

Loss rate: 0.44%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-19 17:25:42

End at: 2018-06-19 17:26:12

Local clock offset: -0.053 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-06-19 22:06:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.05 Mbit/s

95th percentile per-packet one-way delay: 73.273 ms

Loss rate: 0.59%

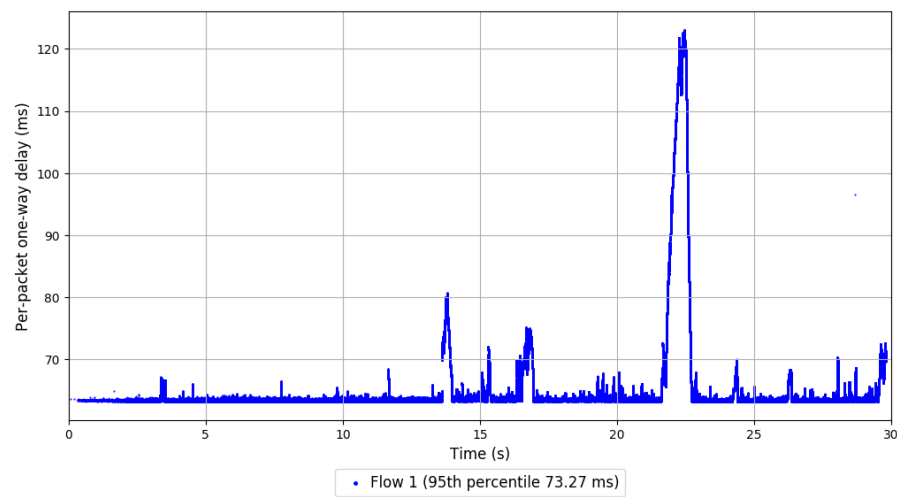
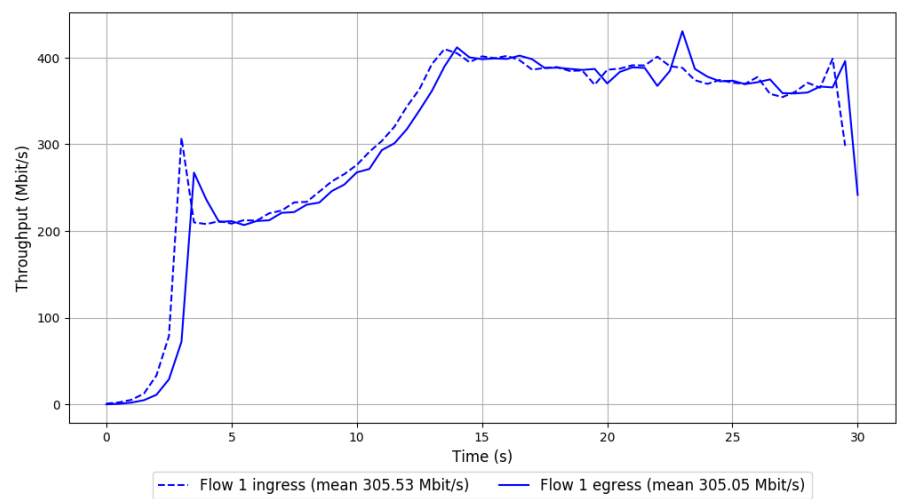
-- Flow 1:

Average throughput: 305.05 Mbit/s

95th percentile per-packet one-way delay: 73.273 ms

Loss rate: 0.59%

Run 2: Report of PCC-Vivace — Data Link

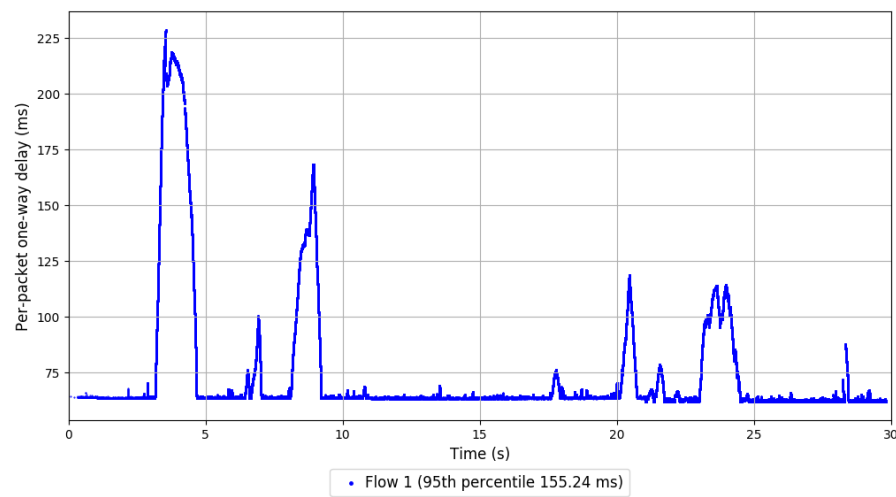
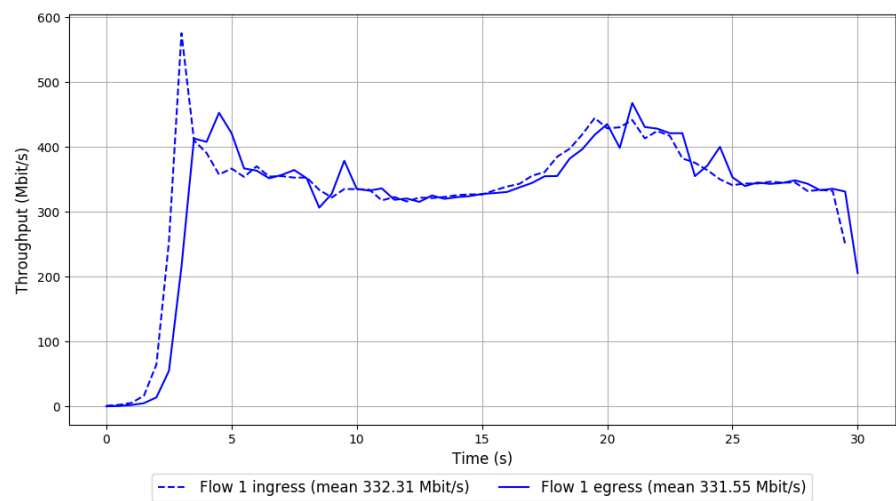


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-19 17:46:00
End at: 2018-06-19 17:46:30
Local clock offset: 0.005 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-06-19 22:06:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.55 Mbit/s
95th percentile per-packet one-way delay: 155.242 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 331.55 Mbit/s
95th percentile per-packet one-way delay: 155.242 ms
Loss rate: 0.66%

Run 3: Report of PCC-Vivace — Data Link

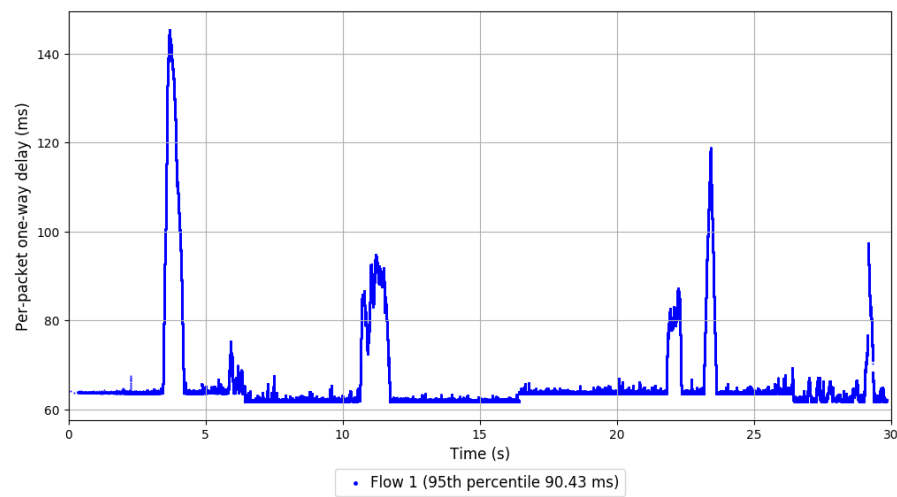
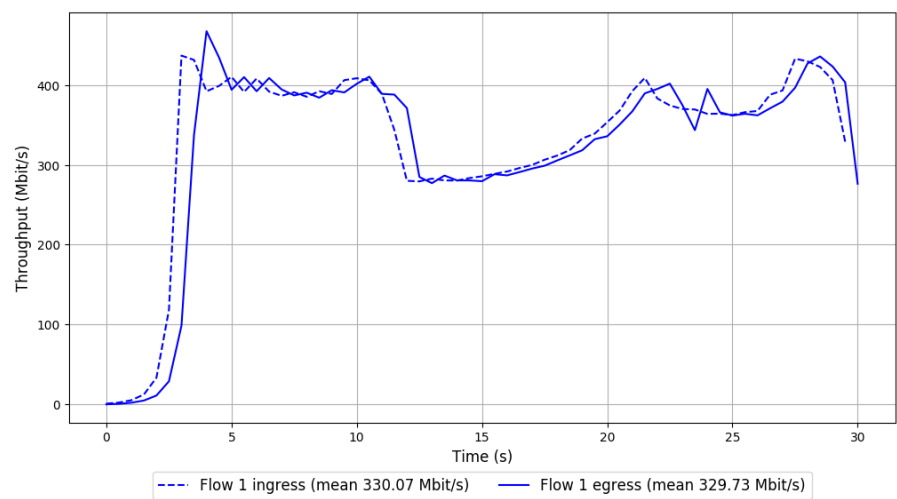


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-19 18:06:35
End at: 2018-06-19 18:07:05
Local clock offset: 0.097 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-06-19 22:07:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.73 Mbit/s
95th percentile per-packet one-way delay: 90.426 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 329.73 Mbit/s
95th percentile per-packet one-way delay: 90.426 ms
Loss rate: 0.53%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-19 18:27:07

End at: 2018-06-19 18:27:37

Local clock offset: 0.054 ms

Remote clock offset: -1.153 ms

Below is generated by plot.py at 2018-06-19 22:07:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.74 Mbit/s

95th percentile per-packet one-way delay: 177.275 ms

Loss rate: 0.57%

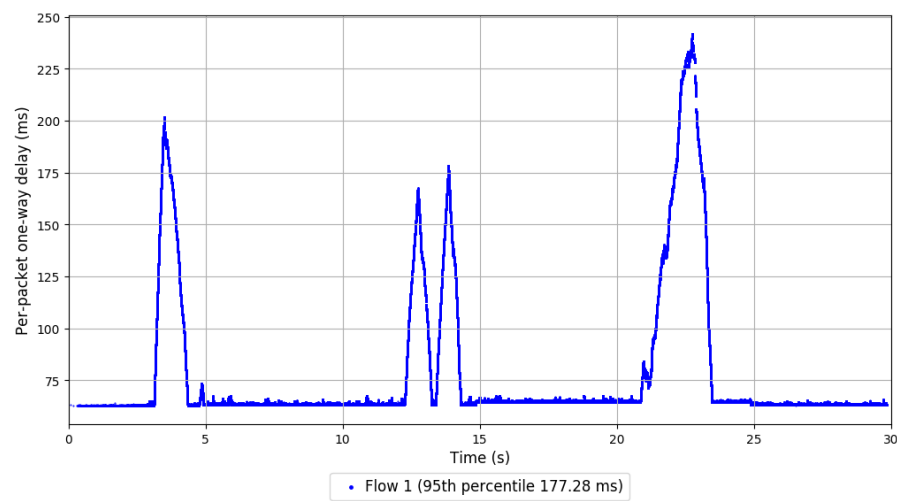
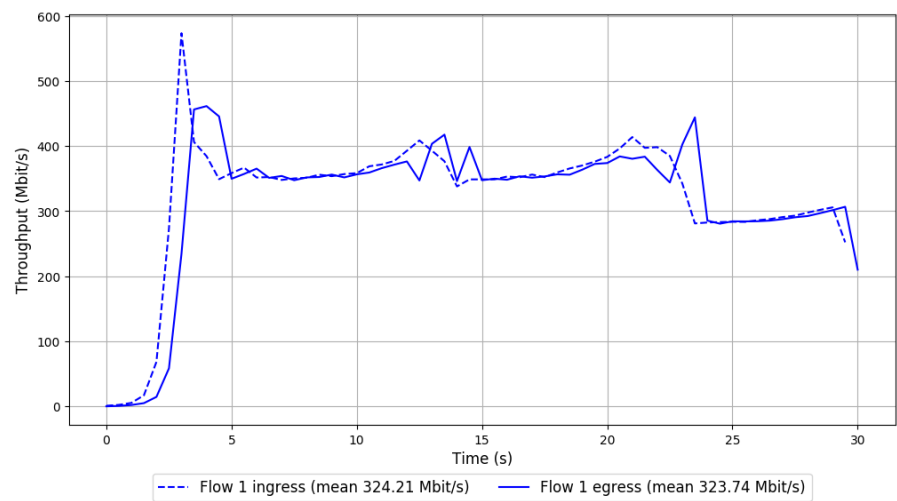
-- Flow 1:

Average throughput: 323.74 Mbit/s

95th percentile per-packet one-way delay: 177.275 ms

Loss rate: 0.57%

Run 5: Report of PCC-Vivace — Data Link

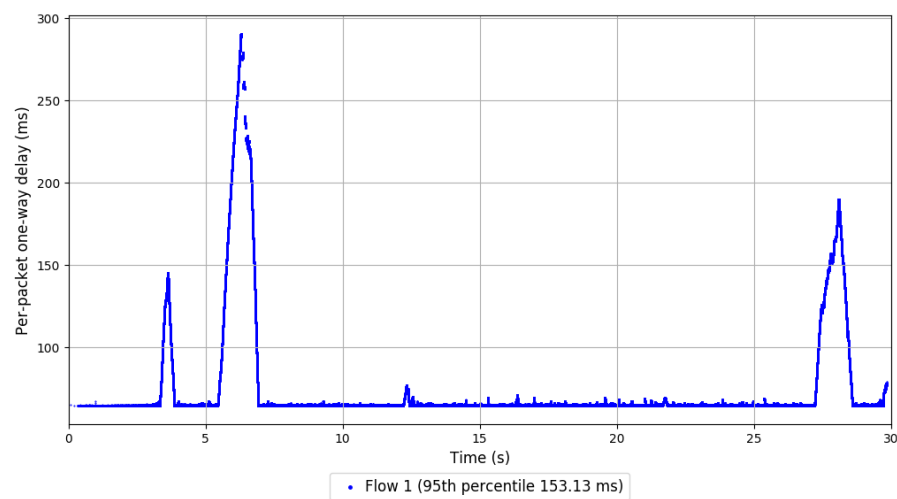
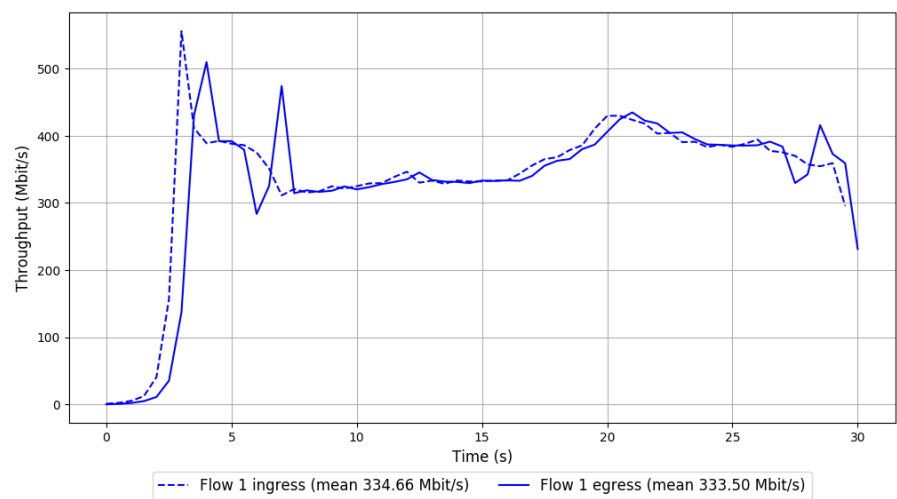


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-19 18:47:18
End at: 2018-06-19 18:47:48
Local clock offset: -0.081 ms
Remote clock offset: -1.324 ms

Below is generated by plot.py at 2018-06-19 22:08:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 333.50 Mbit/s
95th percentile per-packet one-way delay: 153.134 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 333.50 Mbit/s
95th percentile per-packet one-way delay: 153.134 ms
Loss rate: 0.77%

Run 6: Report of PCC-Vivace — Data Link

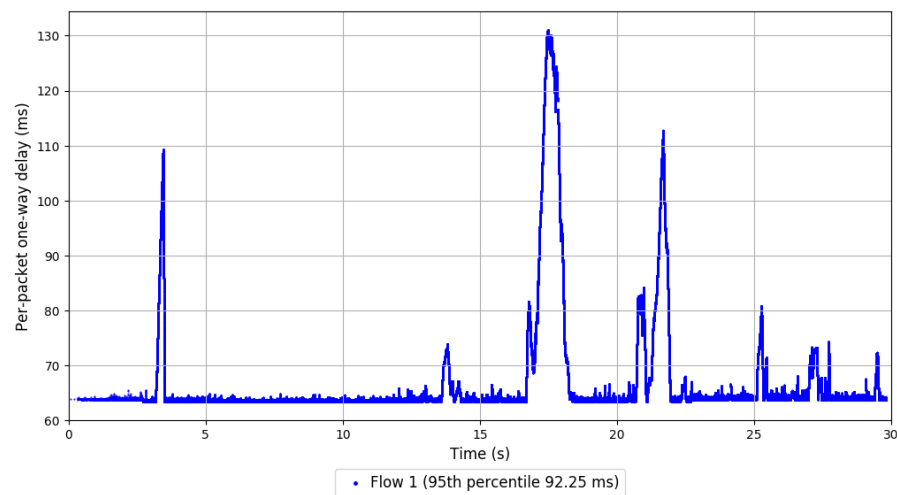
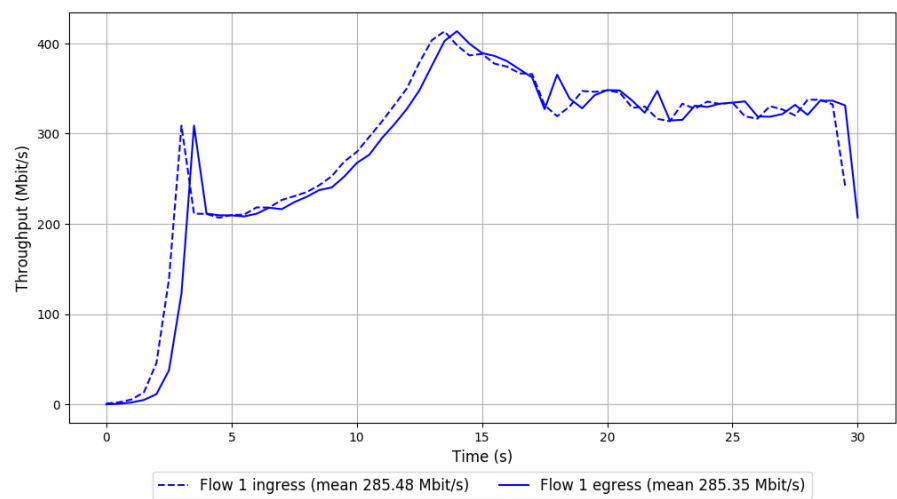


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-19 19:07:49
End at: 2018-06-19 19:08:19
Local clock offset: -0.022 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-06-19 22:08:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 285.35 Mbit/s
95th percentile per-packet one-way delay: 92.248 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 285.35 Mbit/s
95th percentile per-packet one-way delay: 92.248 ms
Loss rate: 0.47%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-19 19:28:06

End at: 2018-06-19 19:28:36

Local clock offset: 0.125 ms

Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-06-19 22:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.85 Mbit/s

95th percentile per-packet one-way delay: 133.282 ms

Loss rate: 0.62%

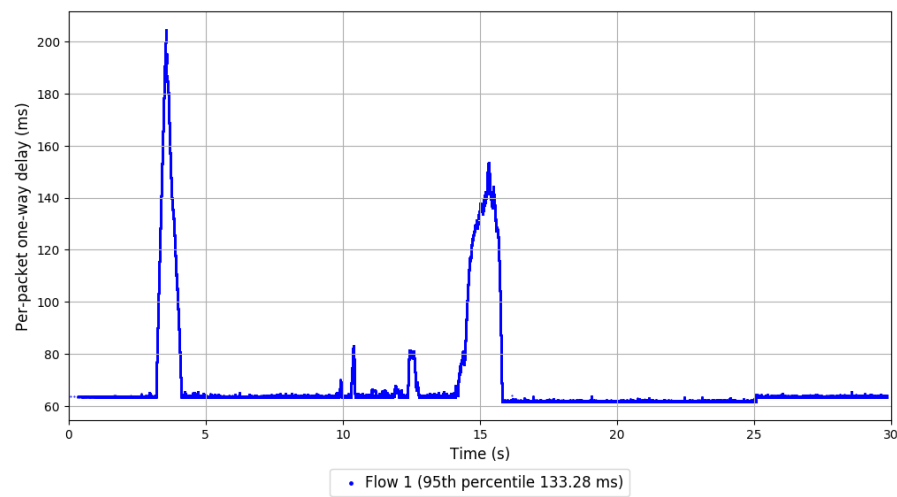
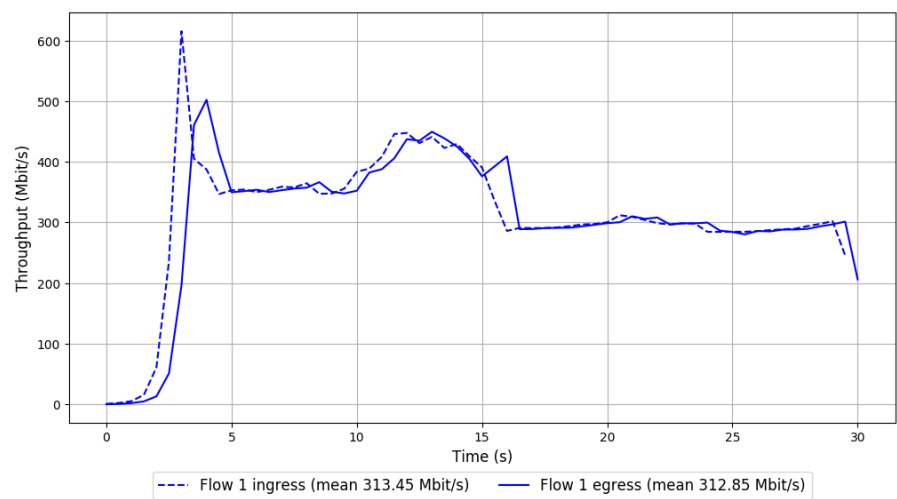
-- Flow 1:

Average throughput: 312.85 Mbit/s

95th percentile per-packet one-way delay: 133.282 ms

Loss rate: 0.62%

Run 8: Report of PCC-Vivace — Data Link

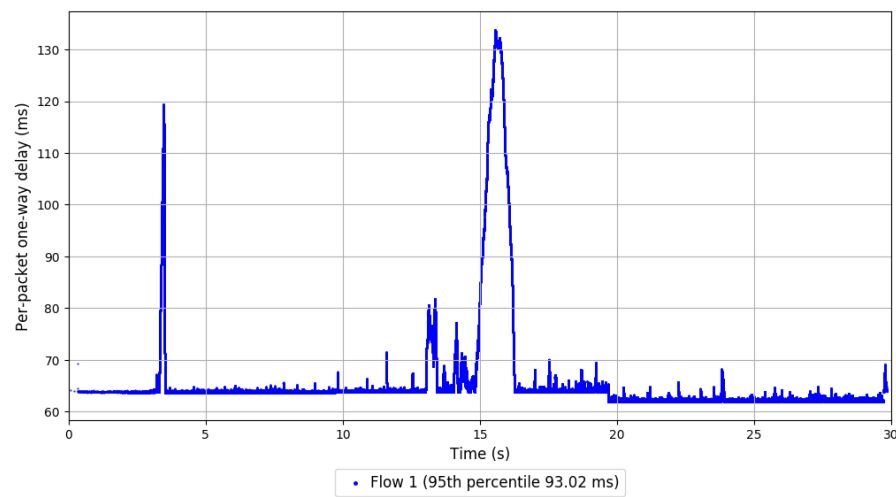
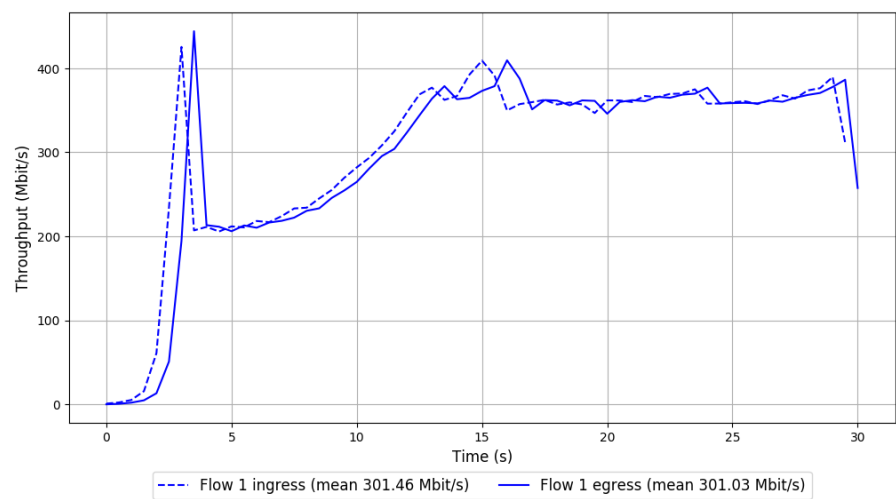


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-19 19:48:42
End at: 2018-06-19 19:49:12
Local clock offset: 0.03 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-06-19 22:08:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.03 Mbit/s
95th percentile per-packet one-way delay: 93.015 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 301.03 Mbit/s
95th percentile per-packet one-way delay: 93.015 ms
Loss rate: 0.57%

Run 9: Report of PCC-Vivace — Data Link

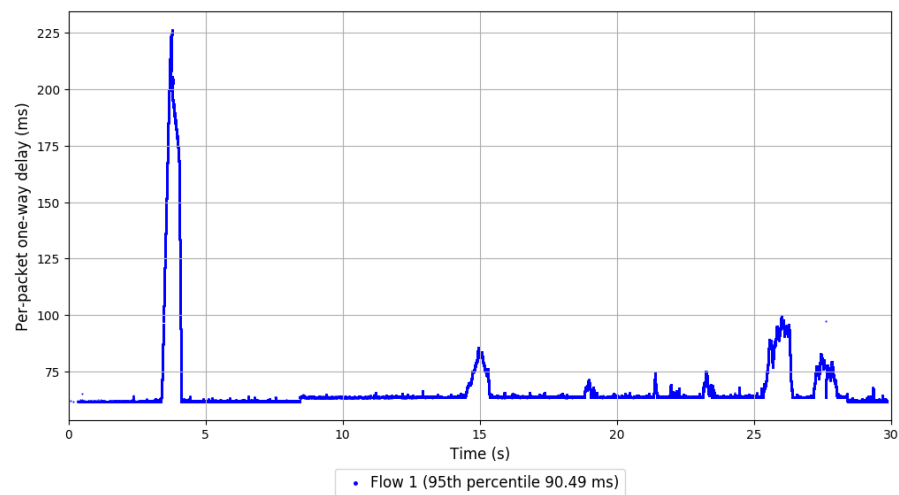
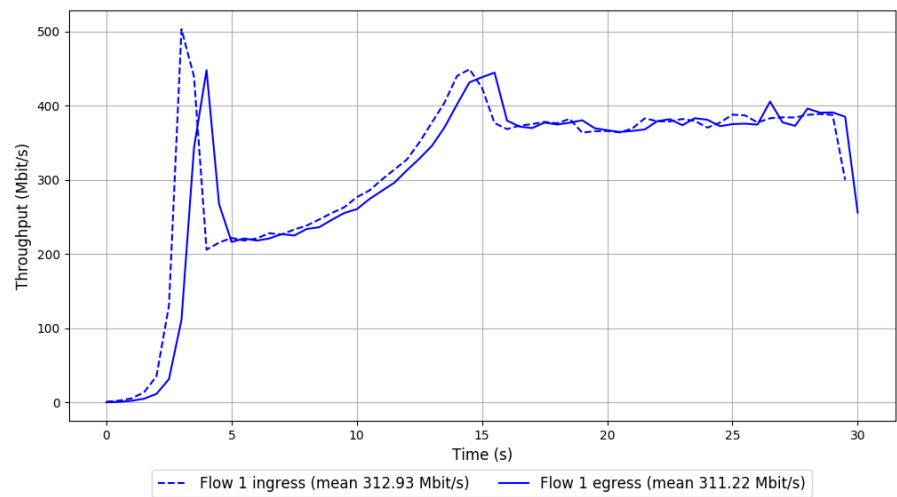


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-19 20:09:23
End at: 2018-06-19 20:09:53
Local clock offset: -0.041 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-06-19 22:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 311.22 Mbit/s
95th percentile per-packet one-way delay: 90.490 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 311.22 Mbit/s
95th percentile per-packet one-way delay: 90.490 ms
Loss rate: 0.97%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-19 17:03:13

End at: 2018-06-19 17:03:43

Local clock offset: -0.045 ms

Remote clock offset: 1.209 ms

Below is generated by plot.py at 2018-06-19 22:08:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 62.671 ms

Loss rate: 0.89%

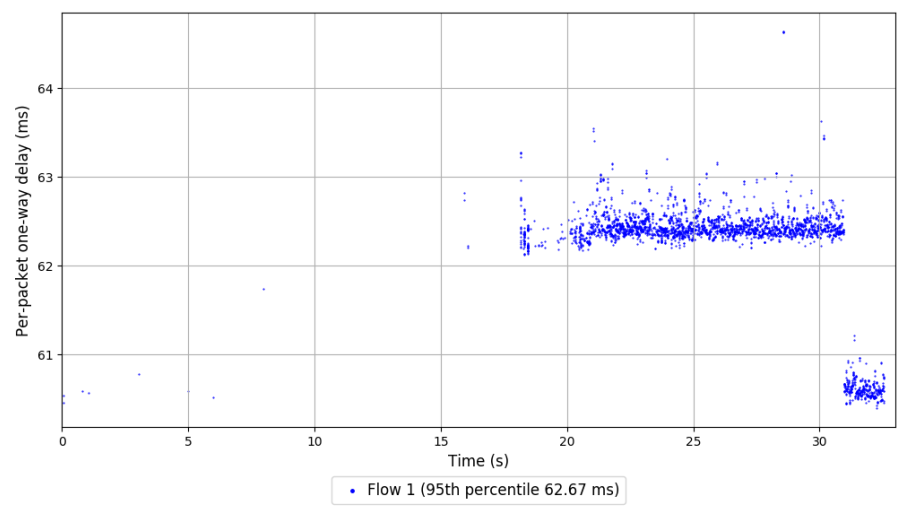
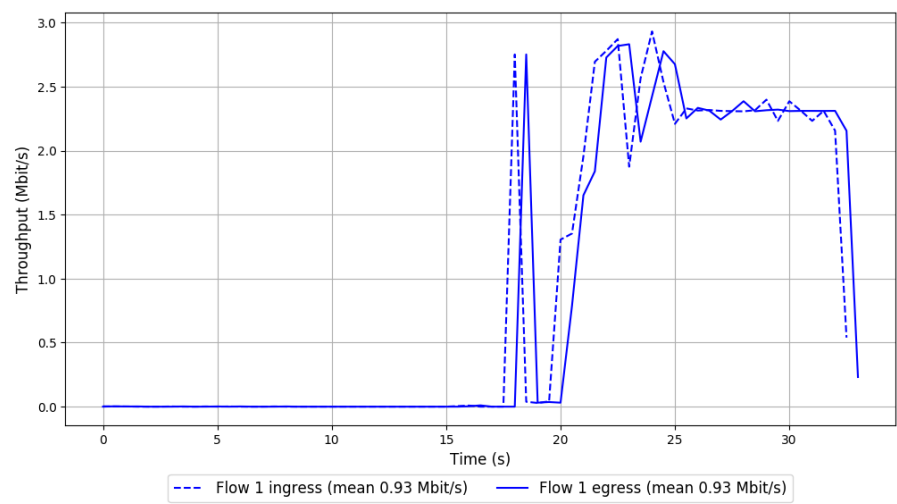
-- Flow 1:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 62.671 ms

Loss rate: 0.89%

Run 1: Report of WebRTC media — Data Link

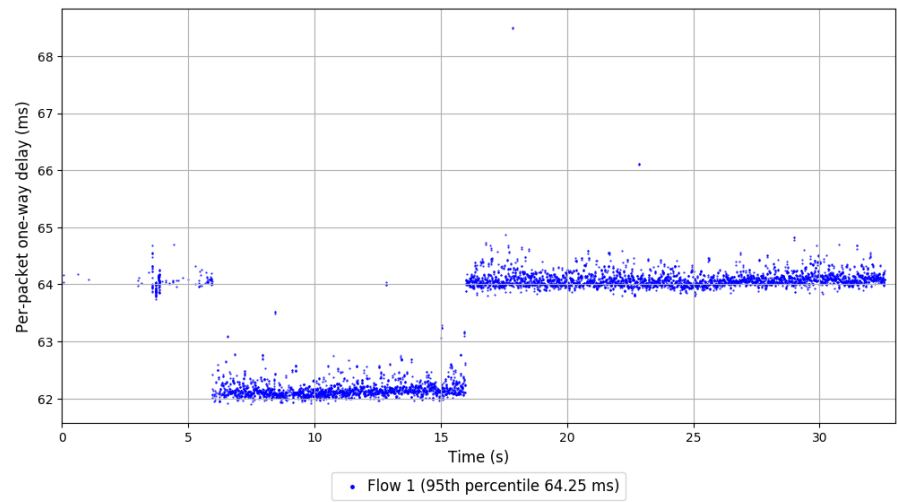
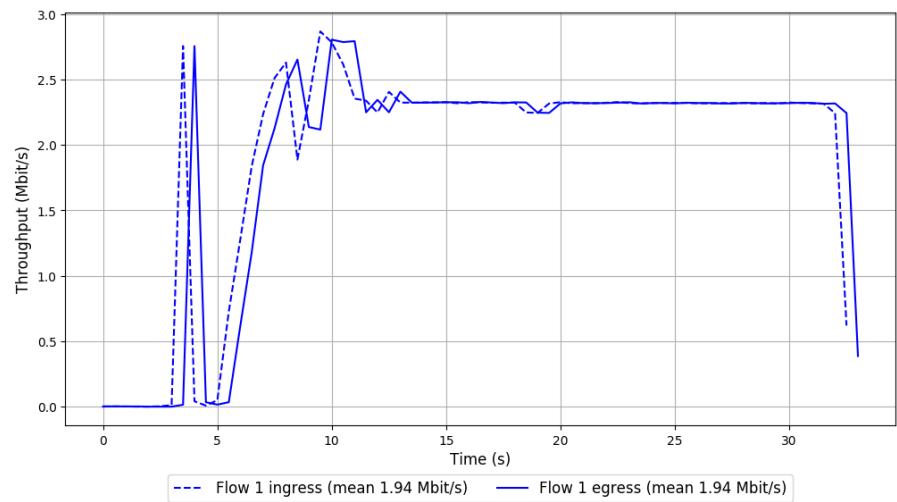


Run 2: Statistics of WebRTC media

Start at: 2018-06-19 17:23:28
End at: 2018-06-19 17:23:58
Local clock offset: 0.003 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-06-19 22:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 64.253 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 64.253 ms
Loss rate: 0.43%

Run 2: Report of WebRTC media — Data Link

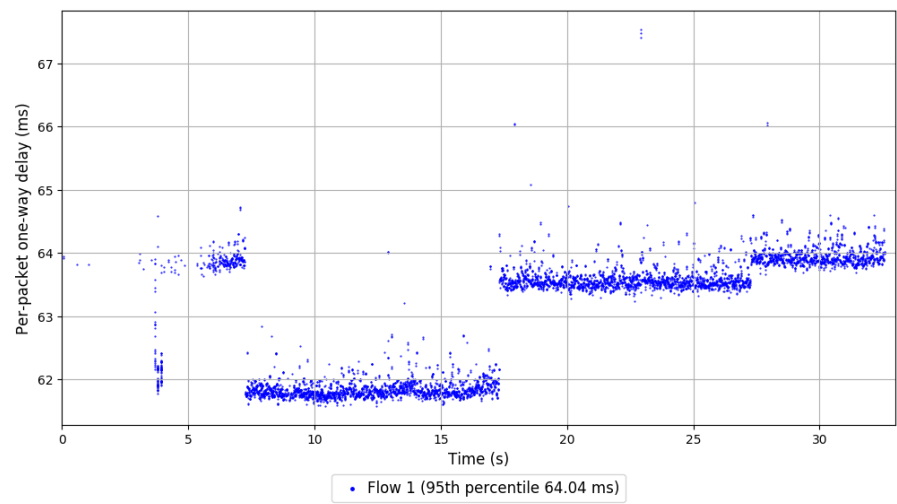
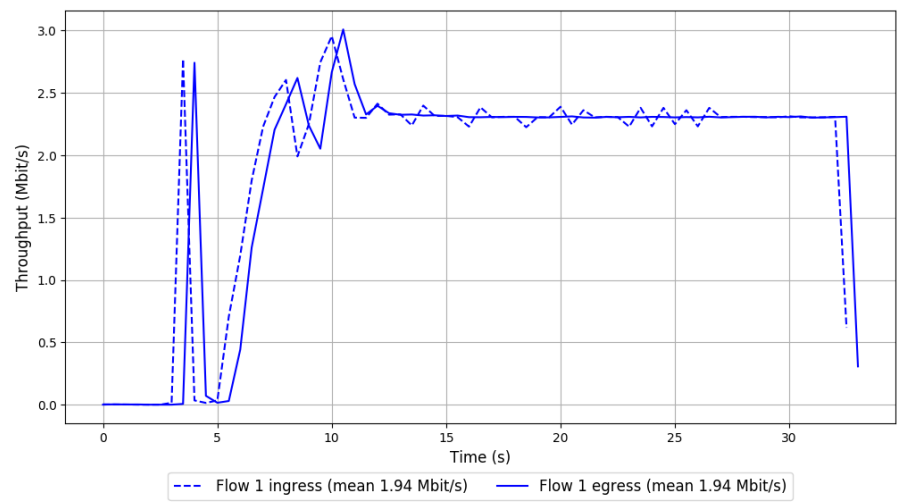


Run 3: Statistics of WebRTC media

Start at: 2018-06-19 17:43:47
End at: 2018-06-19 17:44:17
Local clock offset: -0.019 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-06-19 22:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 64.036 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 64.036 ms
Loss rate: 0.49%

Run 3: Report of WebRTC media — Data Link

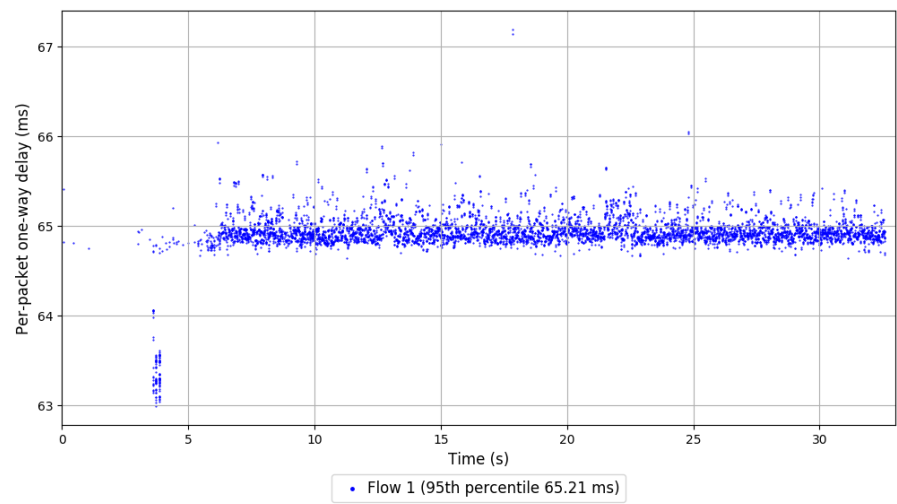
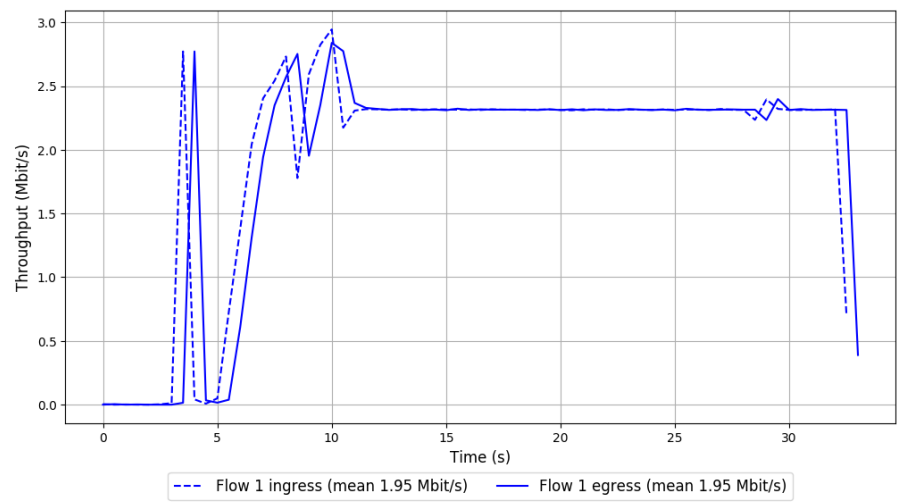


Run 4: Statistics of WebRTC media

Start at: 2018-06-19 18:04:22
End at: 2018-06-19 18:04:52
Local clock offset: 0.07 ms
Remote clock offset: -1.214 ms

Below is generated by plot.py at 2018-06-19 22:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 65.210 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 65.210 ms
Loss rate: 0.49%

Run 4: Report of WebRTC media — Data Link

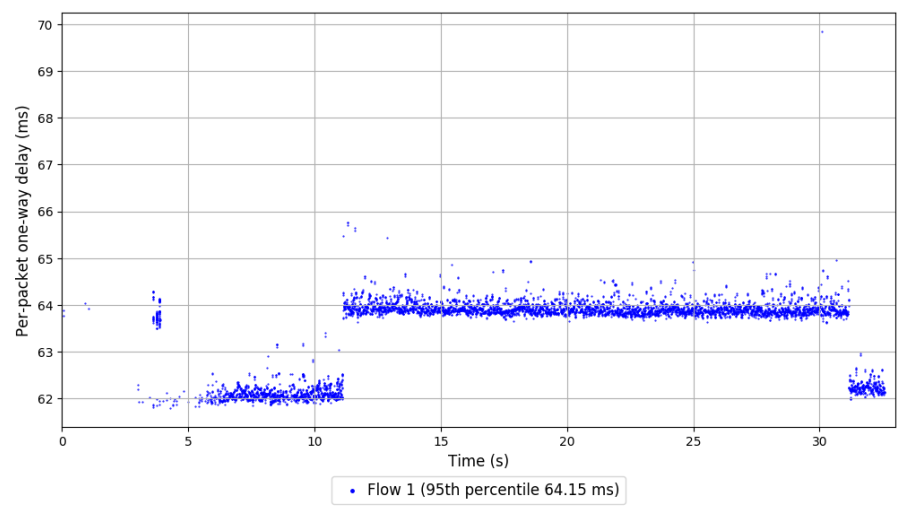
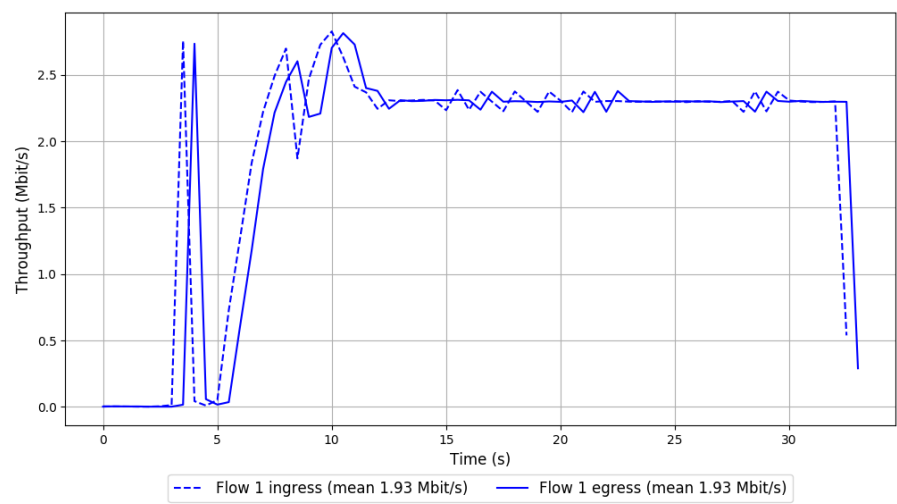


Run 5: Statistics of WebRTC media

Start at: 2018-06-19 18:24:53
End at: 2018-06-19 18:25:23
Local clock offset: 0.009 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-06-19 22:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 64.151 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 64.151 ms
Loss rate: 0.44%

Run 5: Report of WebRTC media — Data Link

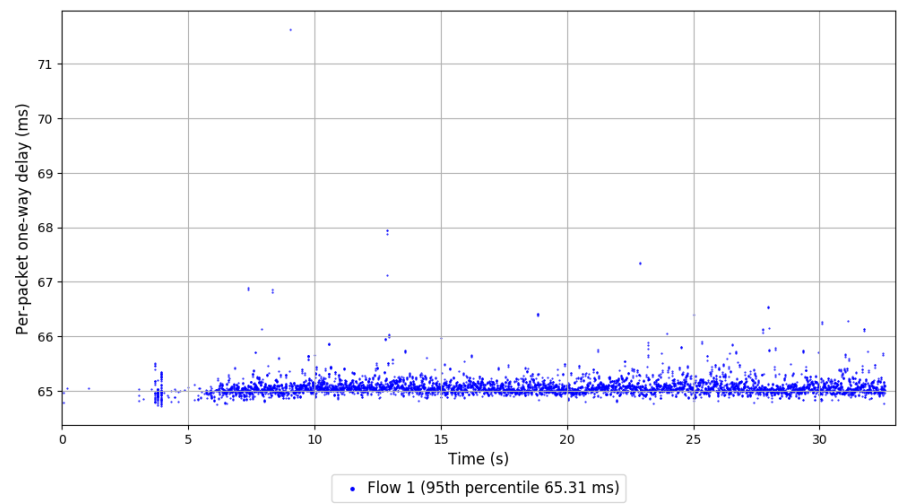
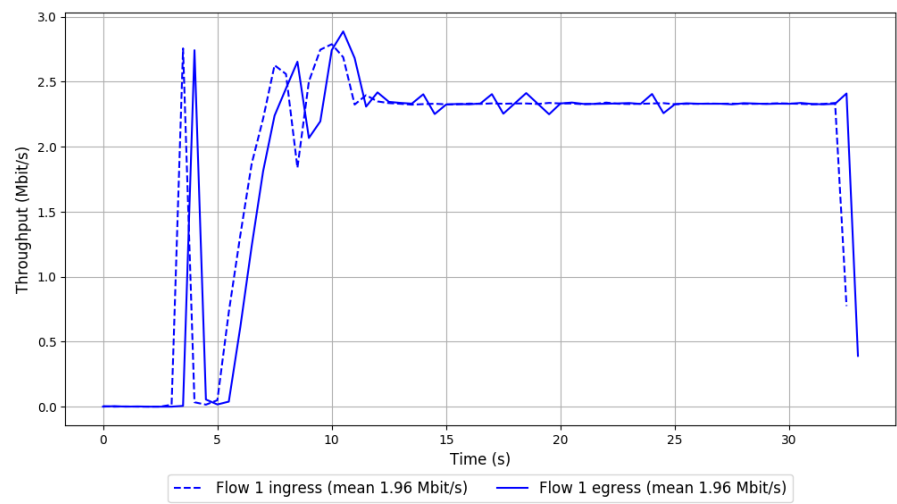


Run 6: Statistics of WebRTC media

Start at: 2018-06-19 18:45:05
End at: 2018-06-19 18:45:35
Local clock offset: -0.041 ms
Remote clock offset: -1.294 ms

Below is generated by plot.py at 2018-06-19 22:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 65.315 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 65.315 ms
Loss rate: 0.49%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-19 19:05:35

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

Local clock offset: -0.036 ms

Remote clock offset: 1.32 ms

Below is generated by plot.py at 2018-06-19 22:08:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 62.661 ms

Loss rate: 0.49%

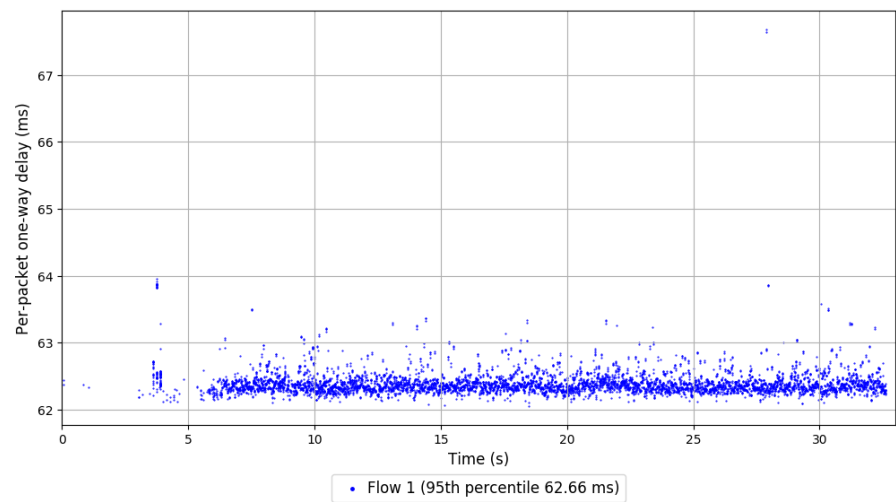
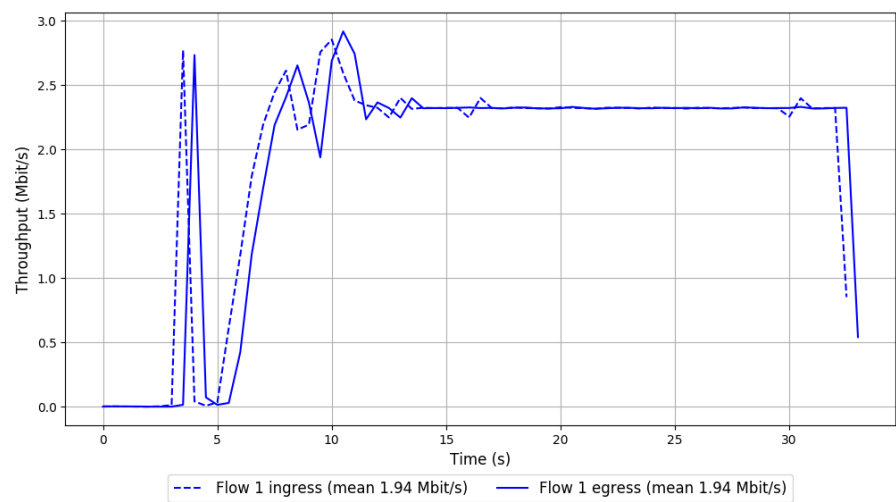
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 62.661 ms

Loss rate: 0.49%

Run 7: Report of WebRTC media — Data Link

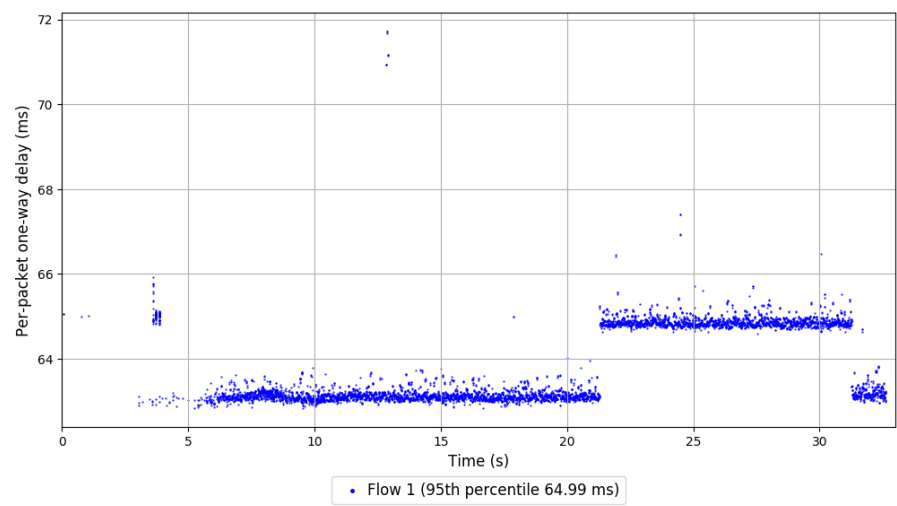
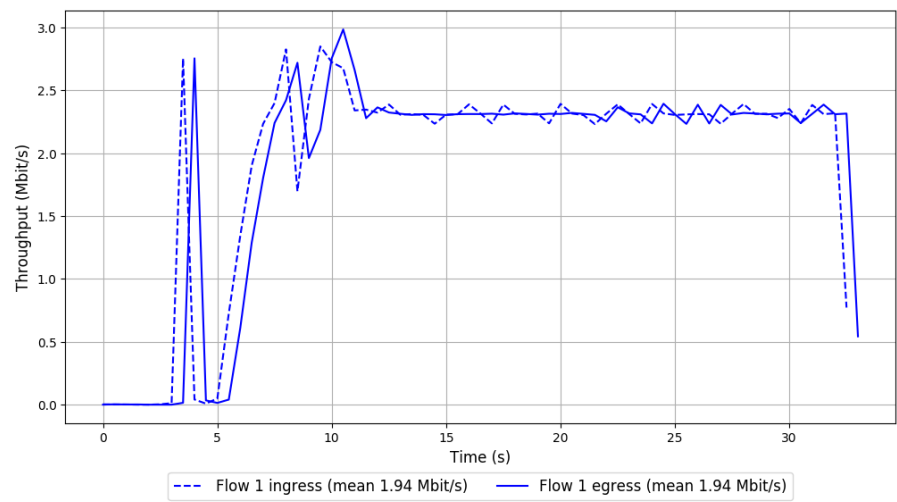


Run 8: Statistics of WebRTC media

Start at: 2018-06-19 19:25:53
End at: 2018-06-19 19:26:23
Local clock offset: 0.117 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2018-06-19 22:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 64.991 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 64.991 ms
Loss rate: 0.42%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-19 19:46:28

End at: 2018-06-19 19:46:58

Local clock offset: -0.009 ms

Remote clock offset: 0.346 ms

Below is generated by plot.py at 2018-06-19 22:08:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 63.666 ms

Loss rate: 0.43%

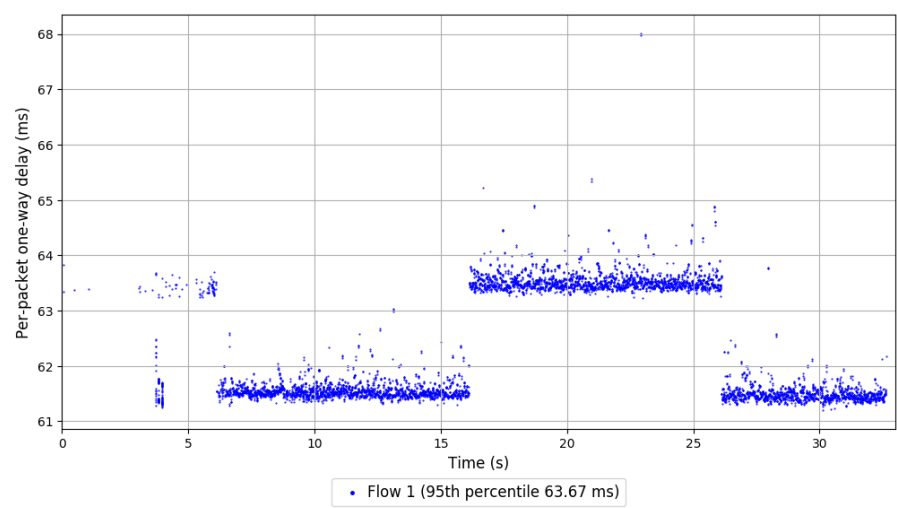
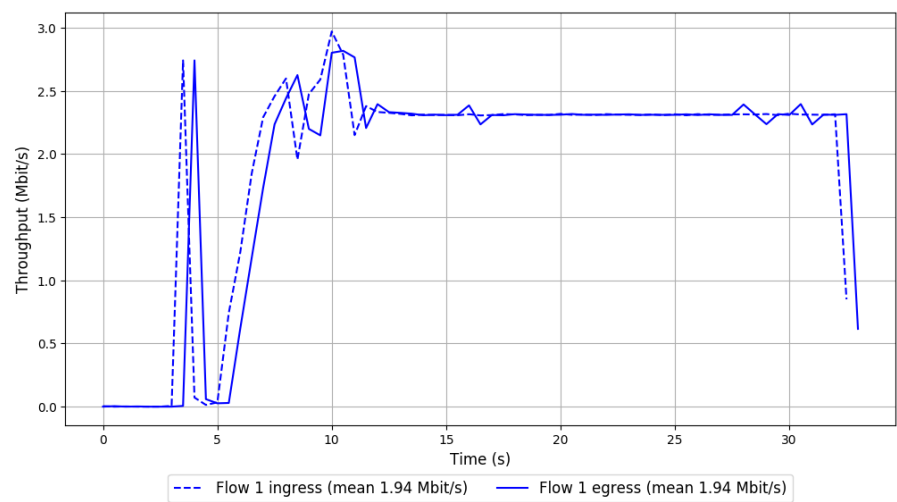
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 63.666 ms

Loss rate: 0.43%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-19 20:07:10
End at: 2018-06-19 20:07:40
Local clock offset: -0.048 ms
Remote clock offset: -1.425 ms

Below is generated by plot.py at 2018-06-19 22:08:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 63.825 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 63.825 ms
Loss rate: 0.50%

Run 10: Report of WebRTC media — Data Link

