

Pantheon Report

Generated at 2018-07-04 16:00:26 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

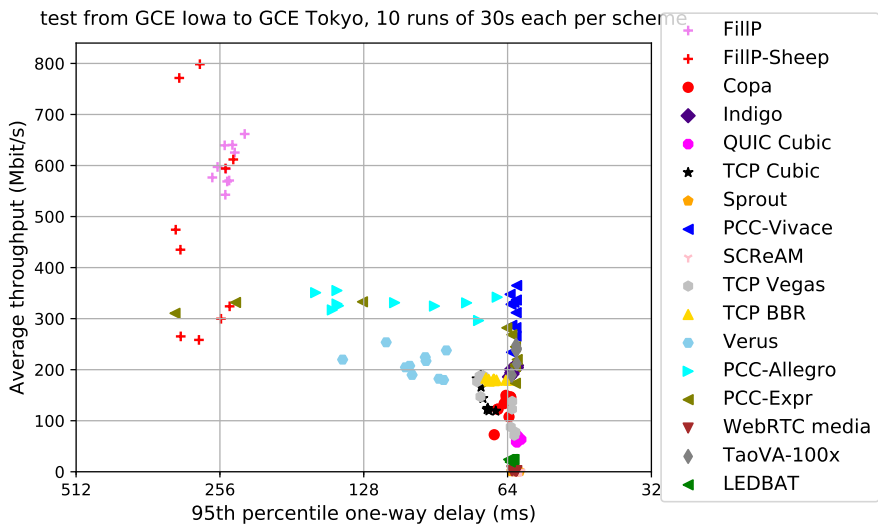
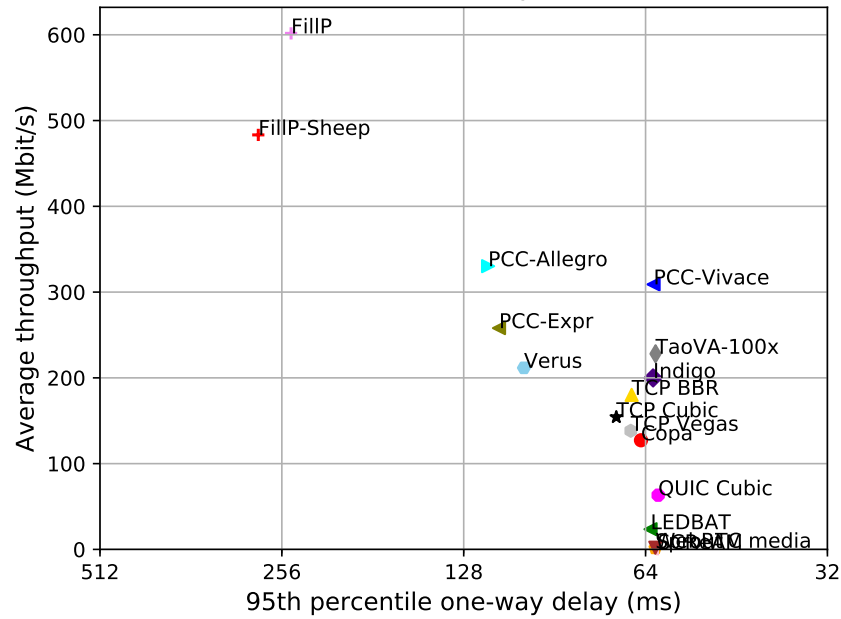
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



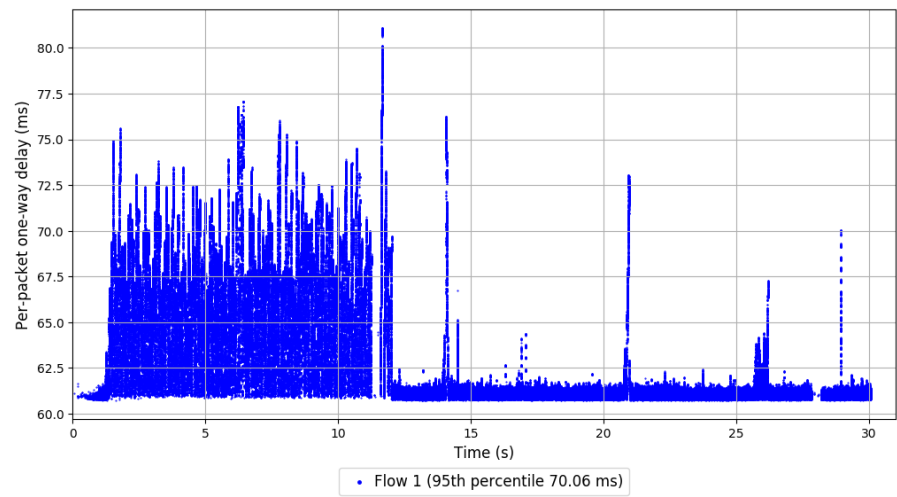
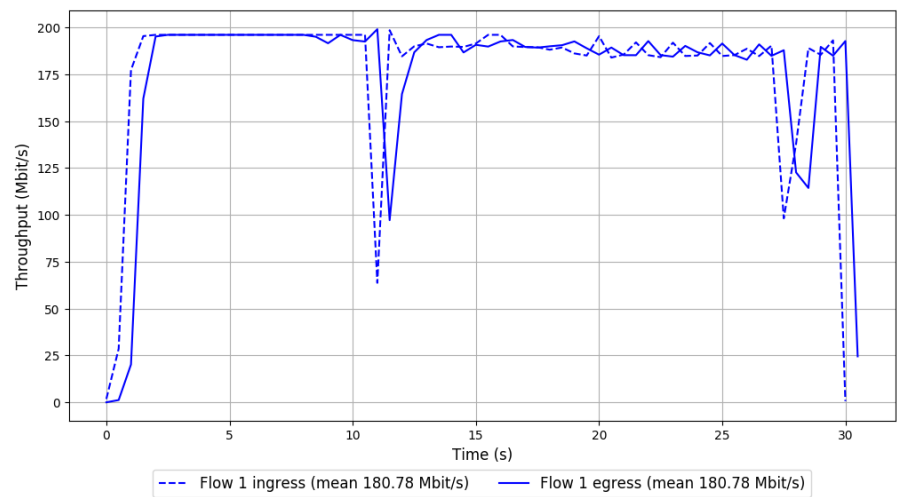
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	180.18	67.48	0.00
Copa	9	127.23	65.13	0.00
TCP Cubic	10	154.20	71.55	0.01
FillP	10	601.65	247.15	0.37
FillP-Sheep	10	483.28	280.05	2.45
Indigo	10	199.92	62.19	0.00
LEDBAT	10	23.52	62.80	0.00
PCC-Allegro	10	330.22	116.63	0.13
PCC-Expr	10	258.00	111.89	2.17
QUIC Cubic	9	63.21	60.99	0.00
SCReAM	10	0.22	61.16	0.00
Sprout	10	1.36	61.67	0.01
TaoVA-100x	10	228.08	61.61	0.00
TCP Vegas	10	138.28	67.72	0.00
Verus	10	211.68	101.74	0.07
PCC-Vivace	10	308.98	62.08	0.00
WebRTC media	10	1.95	61.67	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-04 10:29:20
End at: 2018-07-04 10:29:50
Local clock offset: -0.059 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-04 14:20:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.78 Mbit/s
95th percentile per-packet one-way delay: 70.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.78 Mbit/s
95th percentile per-packet one-way delay: 70.057 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

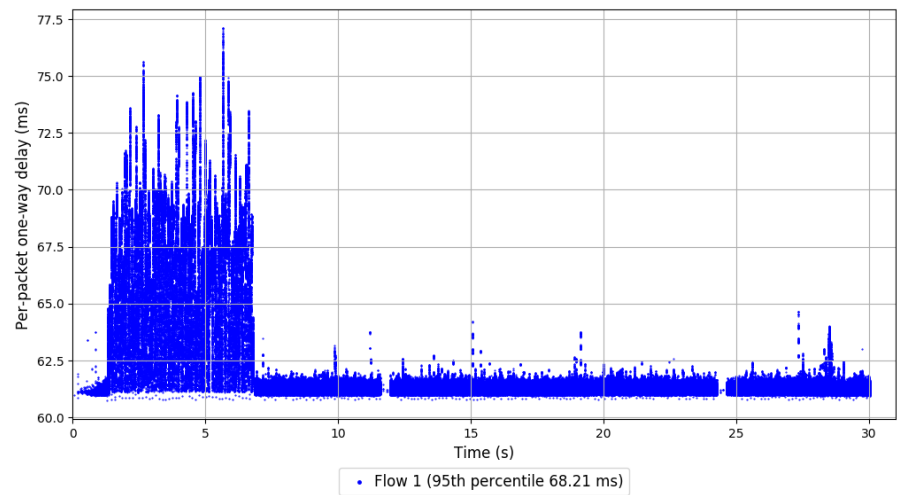
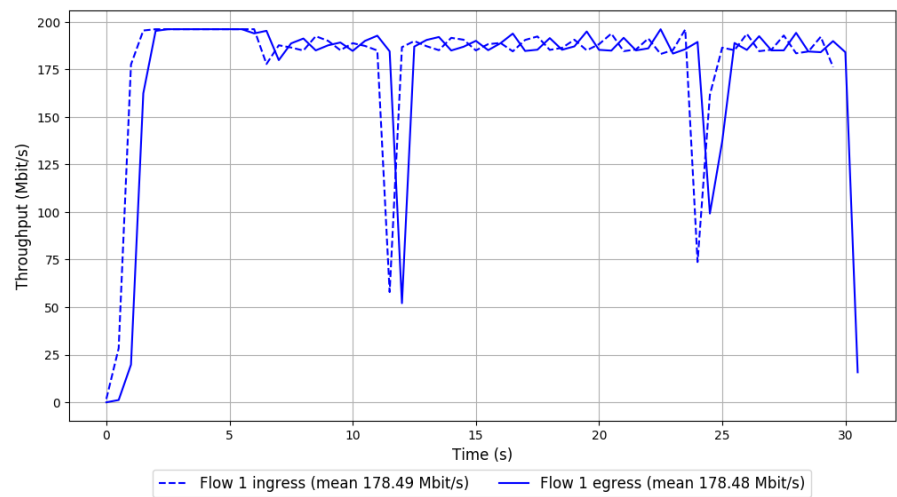


Run 2: Statistics of TCP BBR

Start at: 2018-07-04 10:50:54
End at: 2018-07-04 10:51:24
Local clock offset: -0.128 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-04 14:20:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.48 Mbit/s
95th percentile per-packet one-way delay: 68.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.48 Mbit/s
95th percentile per-packet one-way delay: 68.210 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-04 11:12:22

End at: 2018-07-04 11:12:52

Local clock offset: 0.008 ms

Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-04 14:20:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.64 Mbit/s

95th percentile per-packet one-way delay: 68.395 ms

Loss rate: 0.00%

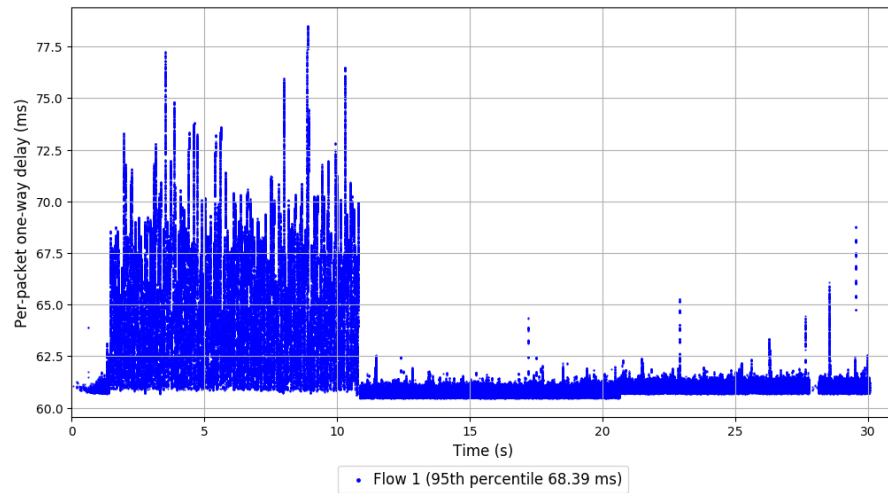
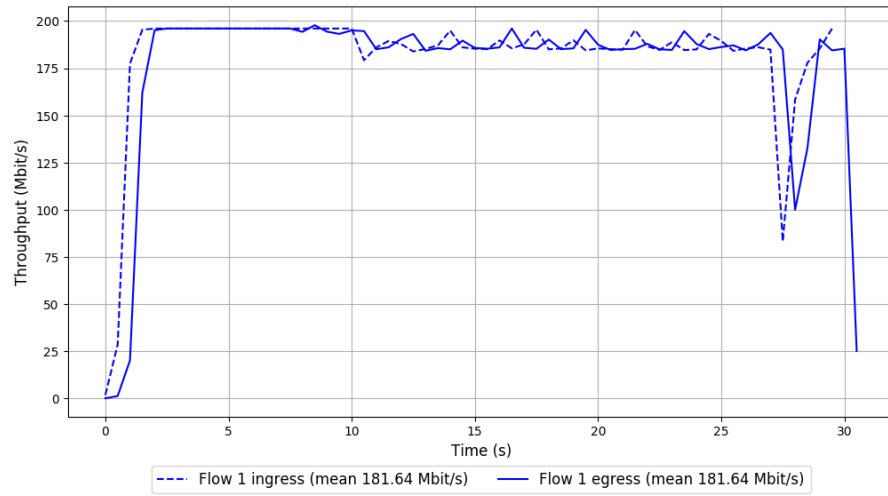
-- Flow 1:

Average throughput: 181.64 Mbit/s

95th percentile per-packet one-way delay: 68.395 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-04 11:34:18

End at: 2018-07-04 11:34:48

Local clock offset: 0.011 ms

Remote clock offset: 1.274 ms

Below is generated by plot.py at 2018-07-04 14:20:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.37 Mbit/s

95th percentile per-packet one-way delay: 68.613 ms

Loss rate: 0.00%

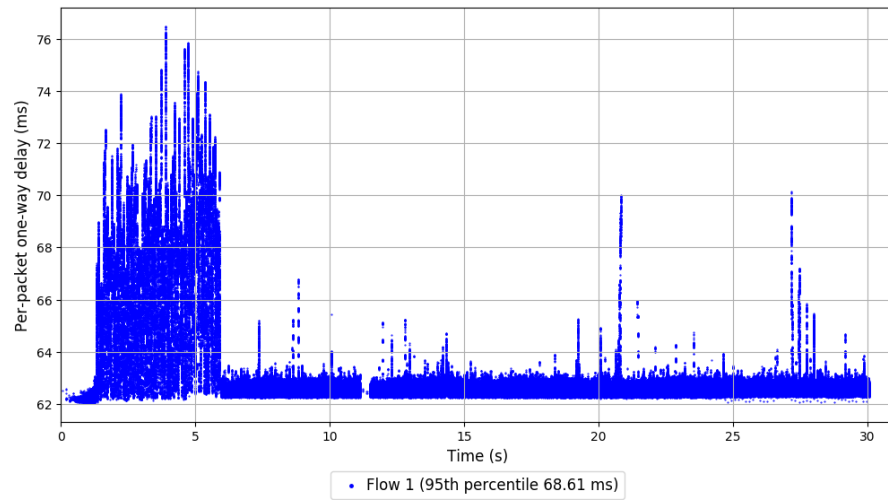
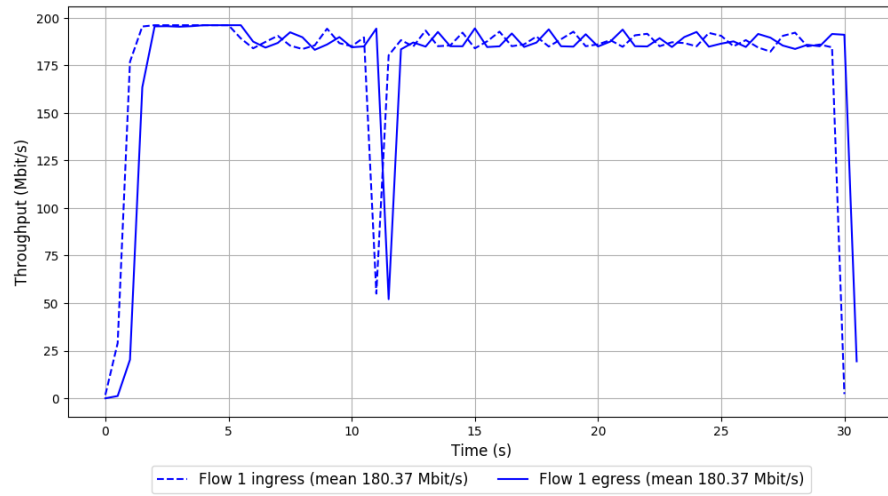
-- Flow 1:

Average throughput: 180.37 Mbit/s

95th percentile per-packet one-way delay: 68.613 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-04 11:56:13

End at: 2018-07-04 11:56:43

Local clock offset: -0.051 ms

Remote clock offset: 1.422 ms

Below is generated by plot.py at 2018-07-04 14:20:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.71 Mbit/s

95th percentile per-packet one-way delay: 69.953 ms

Loss rate: 0.00%

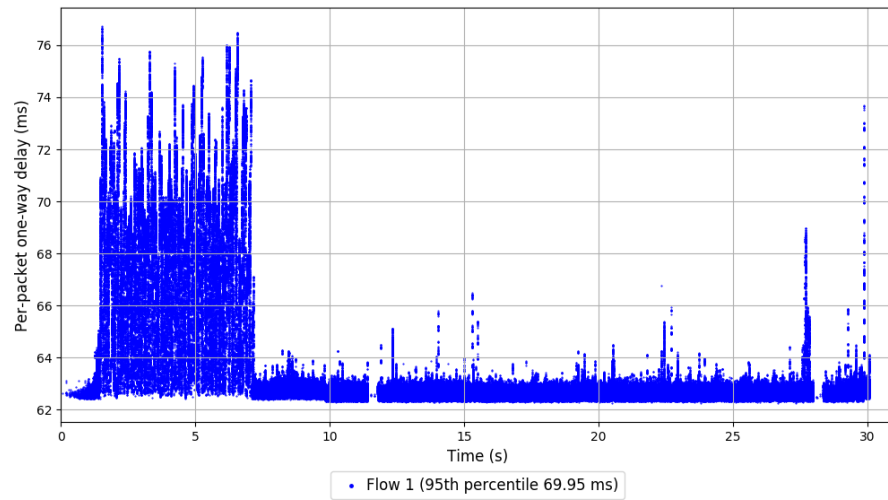
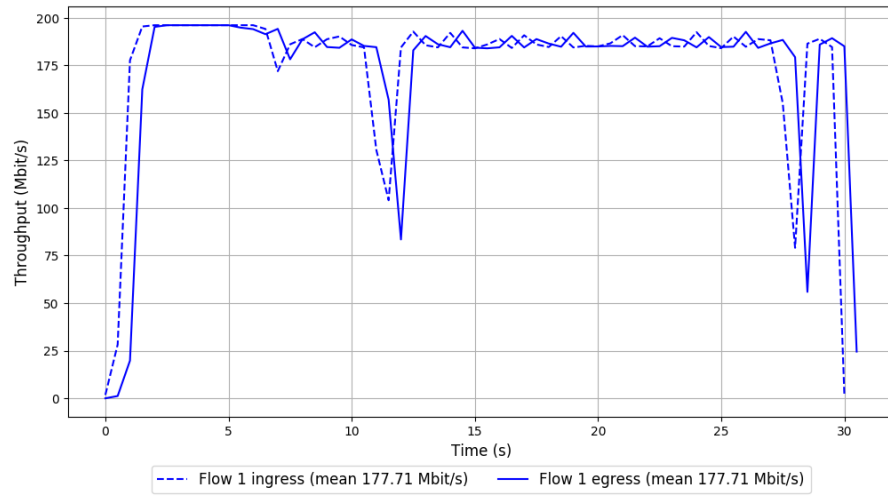
-- Flow 1:

Average throughput: 177.71 Mbit/s

95th percentile per-packet one-way delay: 69.953 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-04 12:19:24

End at: 2018-07-04 12:19:54

Local clock offset: -0.017 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-04 14:20:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.08 Mbit/s

95th percentile per-packet one-way delay: 63.003 ms

Loss rate: 0.00%

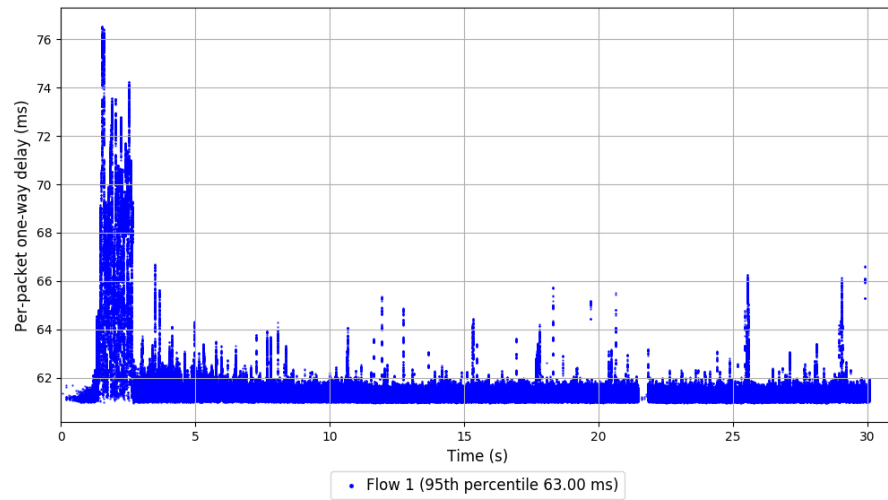
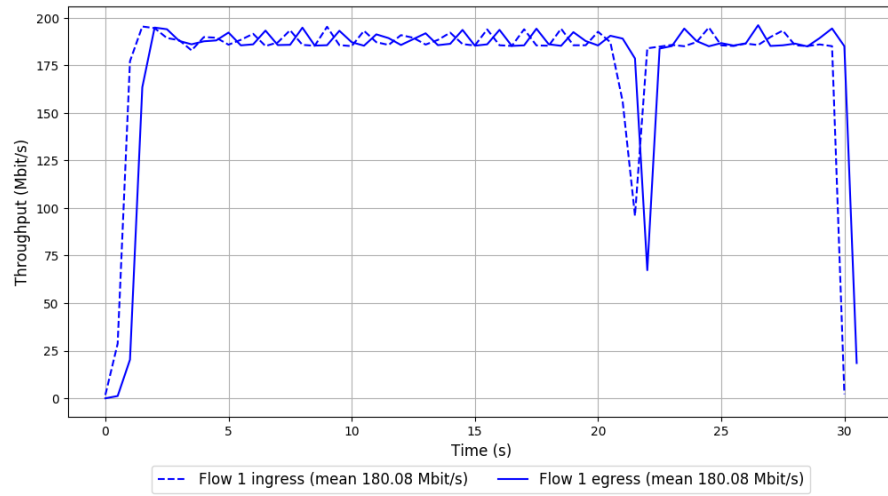
-- Flow 1:

Average throughput: 180.08 Mbit/s

95th percentile per-packet one-way delay: 63.003 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-04 12:41:06

End at: 2018-07-04 12:41:36

Local clock offset: -0.024 ms

Remote clock offset: 1.221 ms

Below is generated by plot.py at 2018-07-04 14:20:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.50 Mbit/s

95th percentile per-packet one-way delay: 64.545 ms

Loss rate: 0.00%

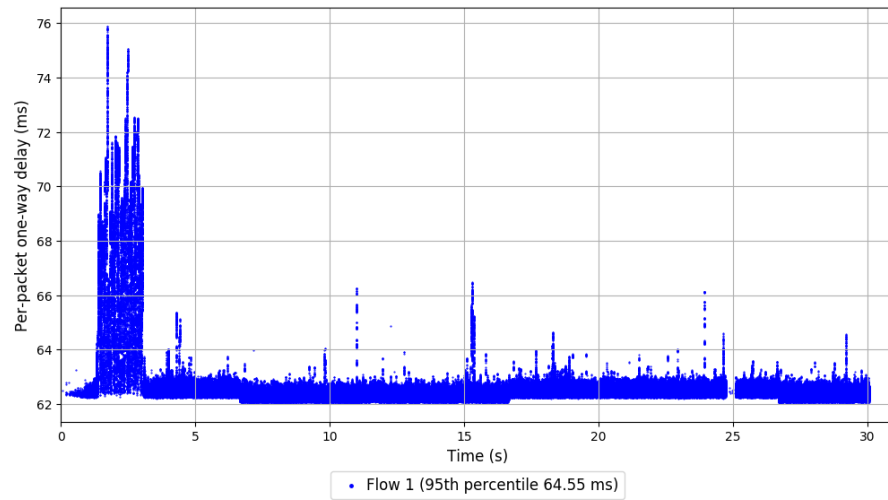
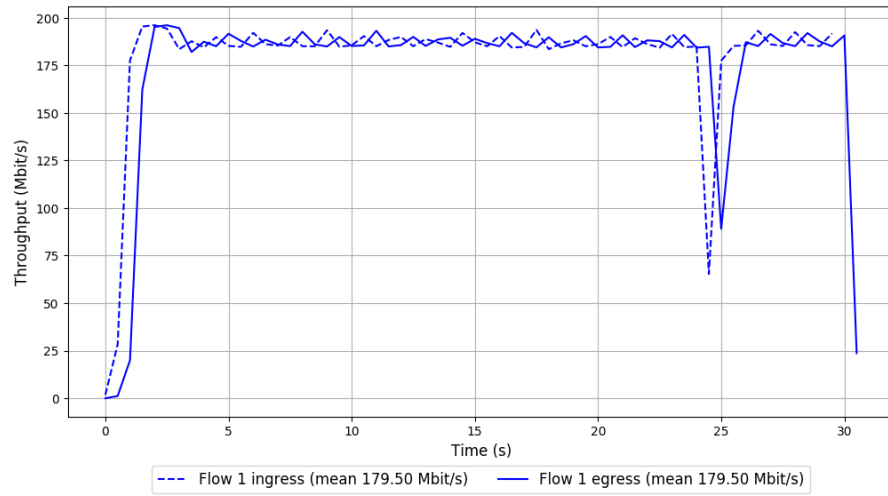
-- Flow 1:

Average throughput: 179.50 Mbit/s

95th percentile per-packet one-way delay: 64.545 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-04 13:02:59

End at: 2018-07-04 13:03:29

Local clock offset: -0.003 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-04 14:20:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.42 Mbit/s

95th percentile per-packet one-way delay: 71.038 ms

Loss rate: 0.00%

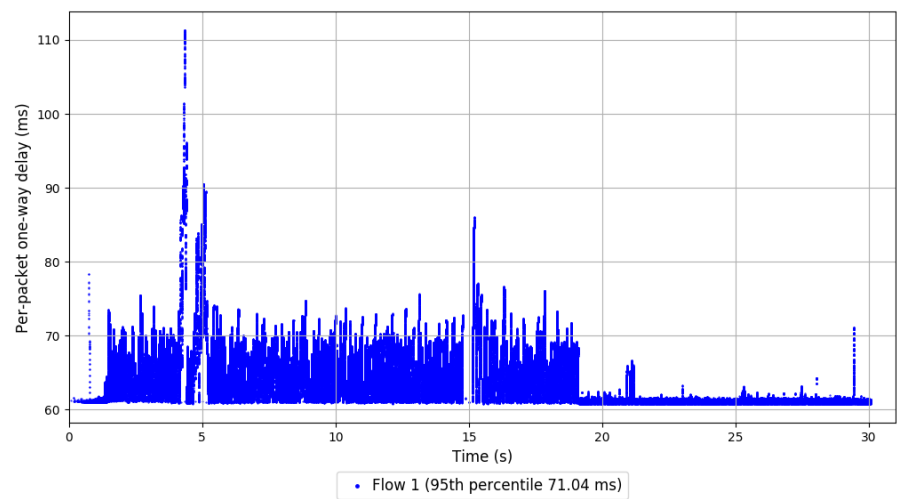
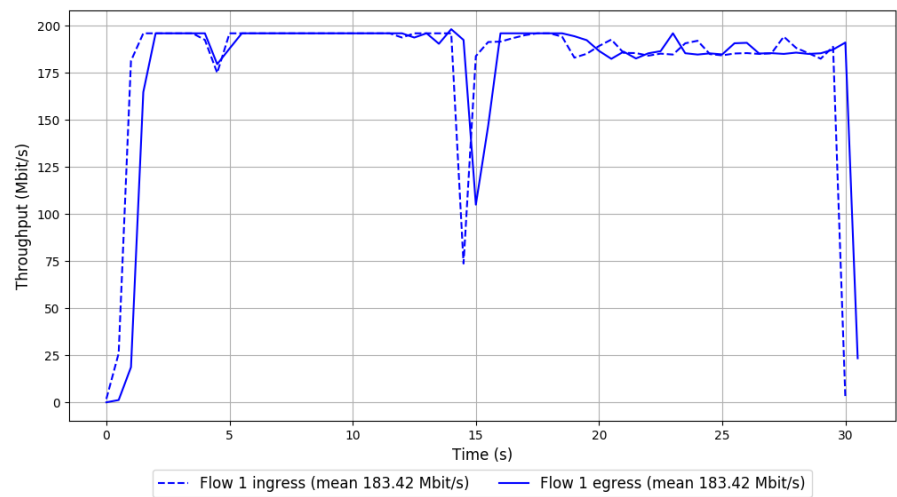
-- Flow 1:

Average throughput: 183.42 Mbit/s

95th percentile per-packet one-way delay: 71.038 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-04 13:24:48

End at: 2018-07-04 13:25:18

Local clock offset: 0.008 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-04 14:23:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.80 Mbit/s

95th percentile per-packet one-way delay: 67.528 ms

Loss rate: 0.00%

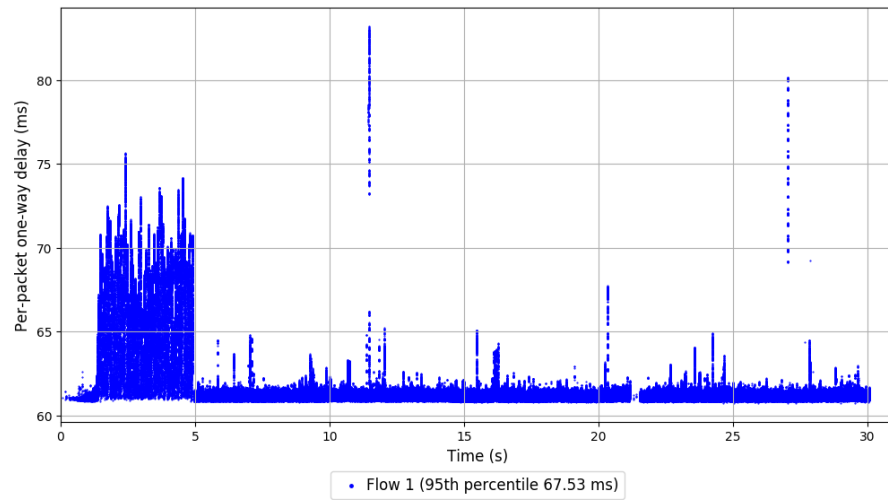
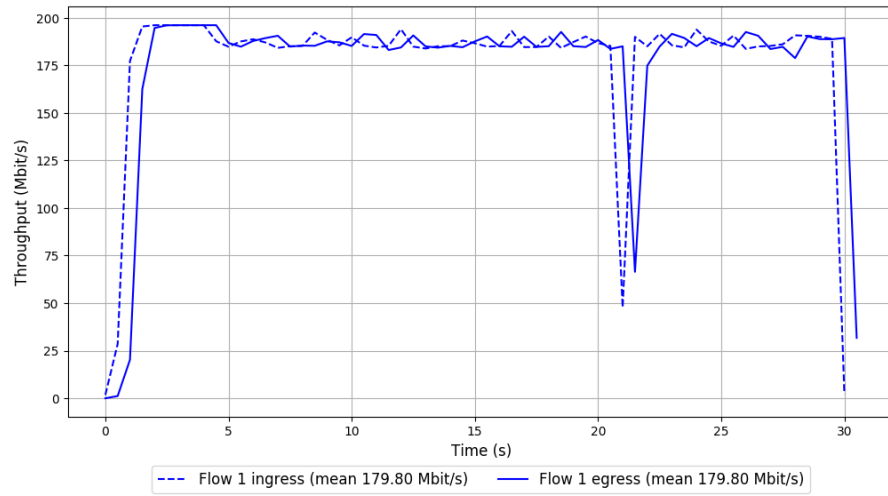
-- Flow 1:

Average throughput: 179.80 Mbit/s

95th percentile per-packet one-way delay: 67.528 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-04 13:46:50

End at: 2018-07-04 13:47:20

Local clock offset: -0.006 ms

Remote clock offset: 1.099 ms

Below is generated by plot.py at 2018-07-04 14:23:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.06 Mbit/s

95th percentile per-packet one-way delay: 63.508 ms

Loss rate: 0.02%

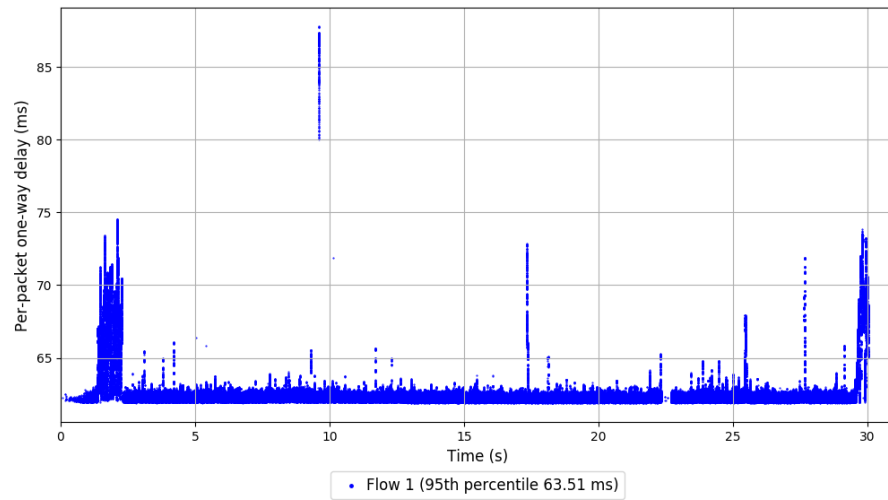
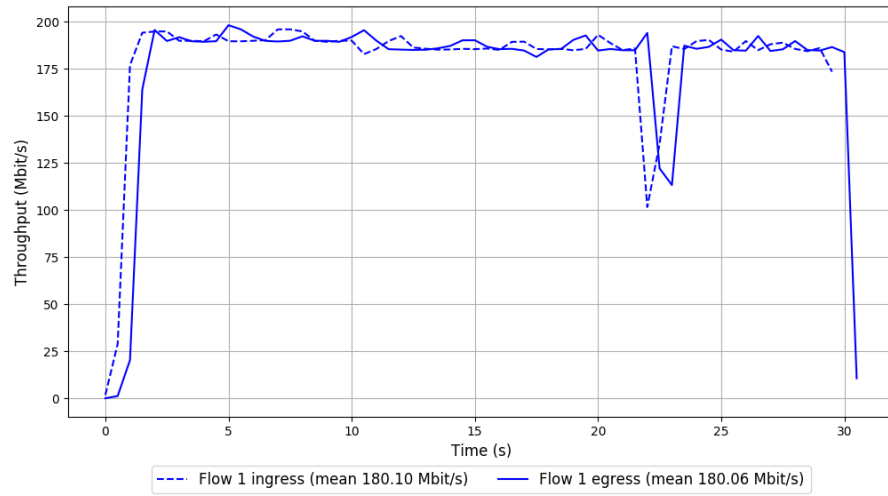
-- Flow 1:

Average throughput: 180.06 Mbit/s

95th percentile per-packet one-way delay: 63.508 ms

Loss rate: 0.02%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

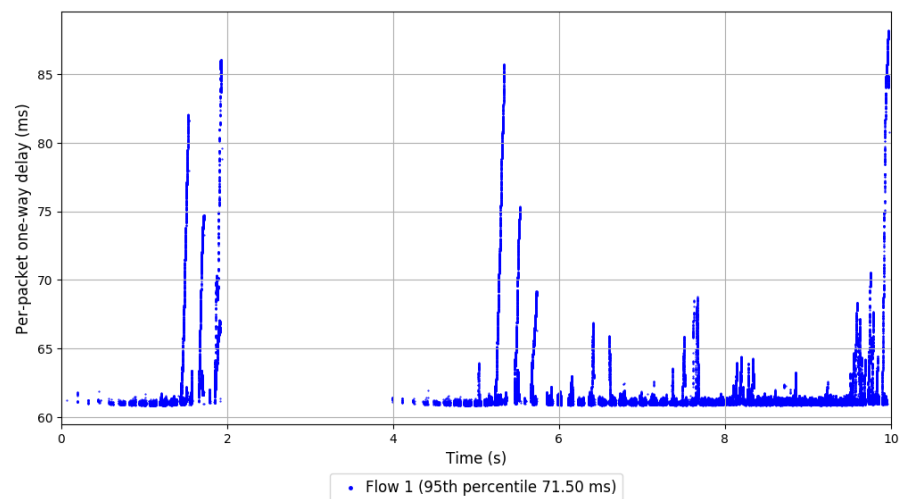
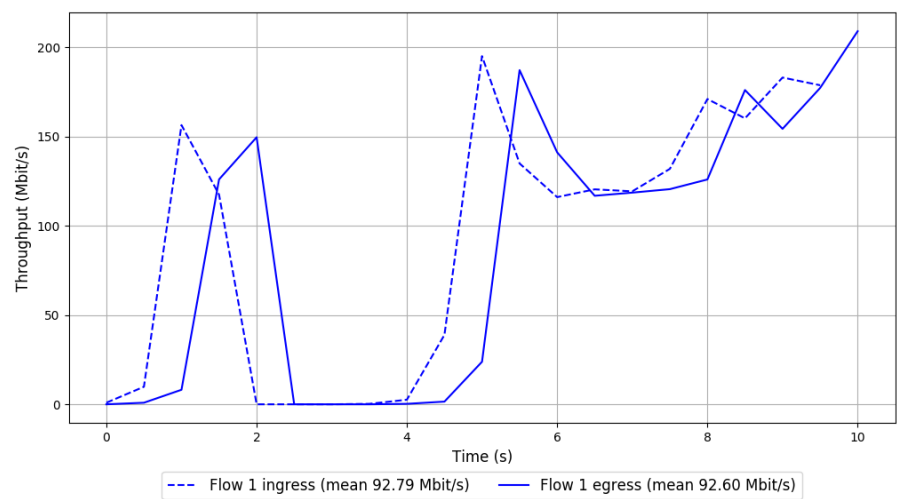
Start at: 2018-07-04 10:30:34

End at: 2018-07-04 10:31:04

Local clock offset: -0.121 ms

Remote clock offset: -0.069 ms

Run 1: Report of Copa — Data Link

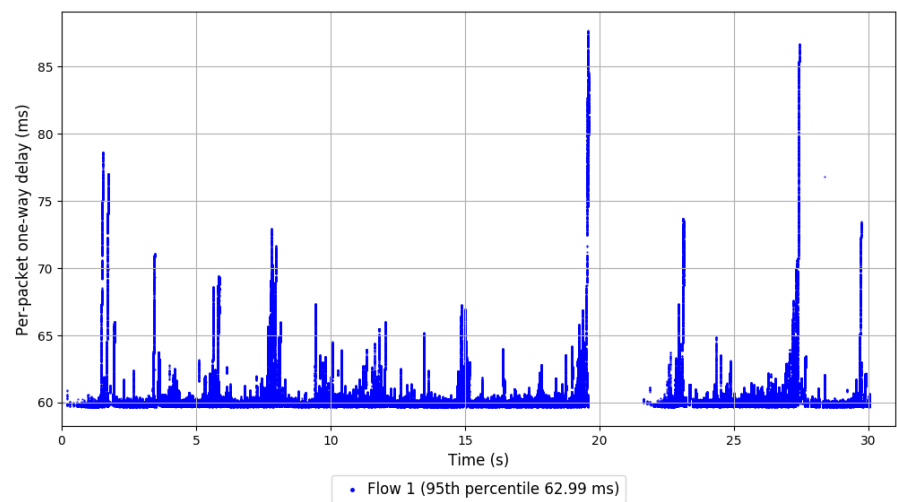
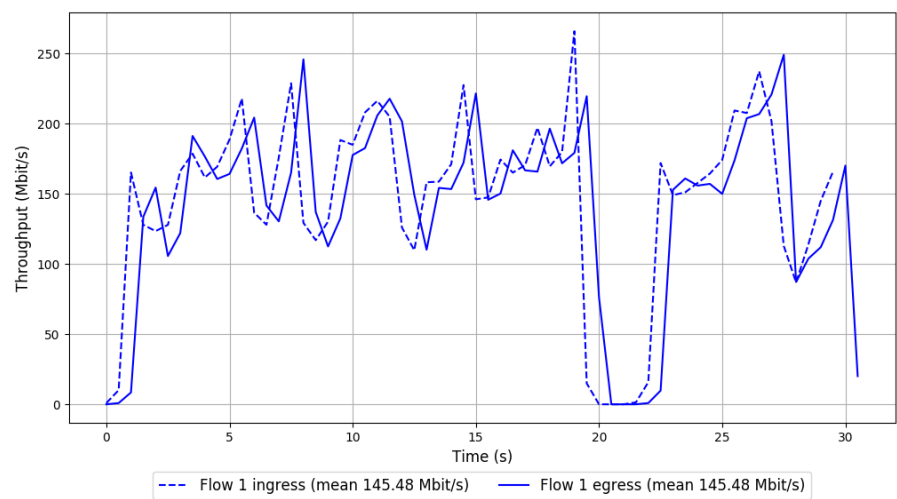


Run 2: Statistics of Copa

Start at: 2018-07-04 10:52:09
End at: 2018-07-04 10:52:39
Local clock offset: -0.098 ms
Remote clock offset: -1.355 ms

Below is generated by plot.py at 2018-07-04 14:25:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.48 Mbit/s
95th percentile per-packet one-way delay: 62.989 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.48 Mbit/s
95th percentile per-packet one-way delay: 62.989 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

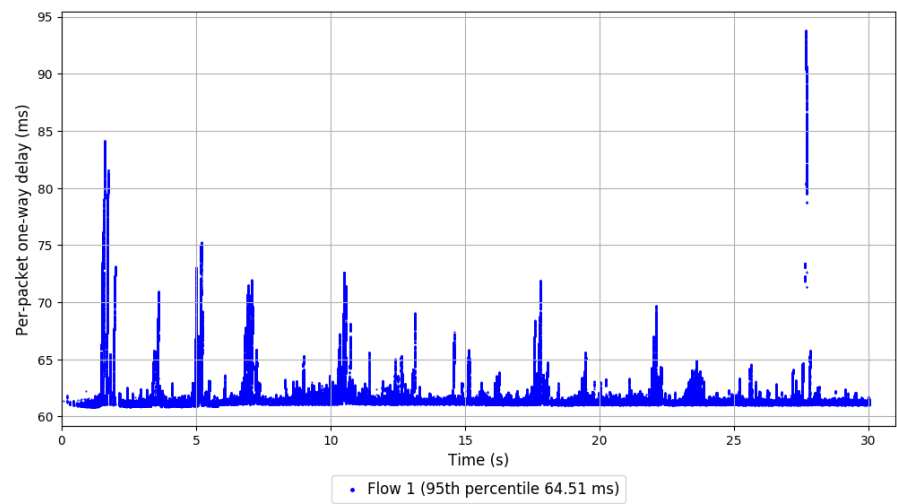
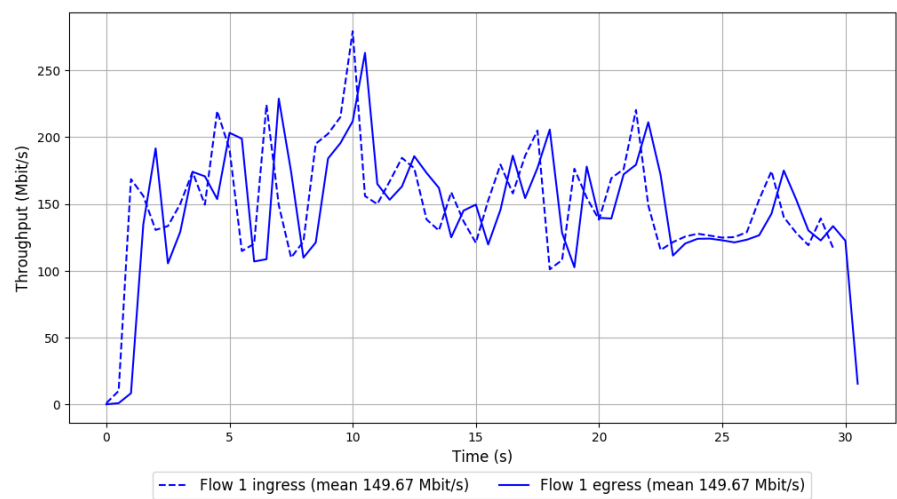


Run 3: Statistics of Copa

Start at: 2018-07-04 11:13:37
End at: 2018-07-04 11:14:07
Local clock offset: -0.07 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-04 14:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.67 Mbit/s
95th percentile per-packet one-way delay: 64.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.67 Mbit/s
95th percentile per-packet one-way delay: 64.508 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-04 11:35:33

End at: 2018-07-04 11:36:03

Local clock offset: 0.004 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-07-04 14:25:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.96 Mbit/s

95th percentile per-packet one-way delay: 63.151 ms

Loss rate: 0.00%

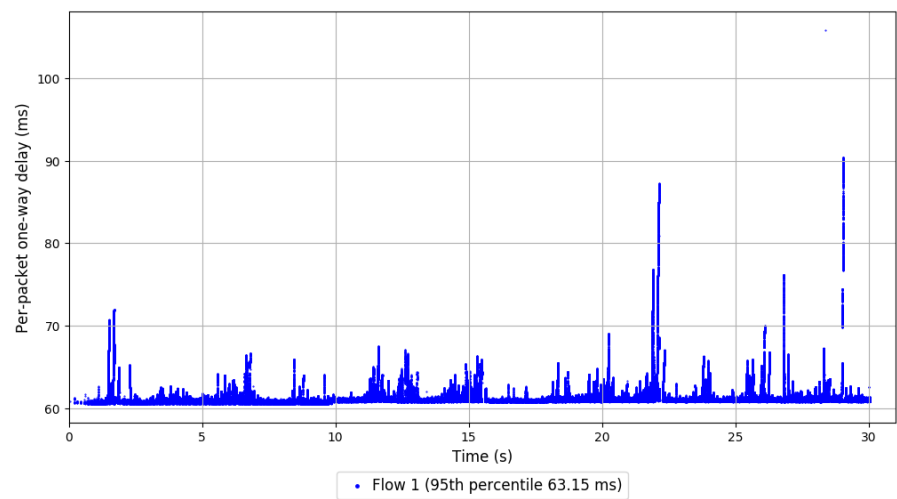
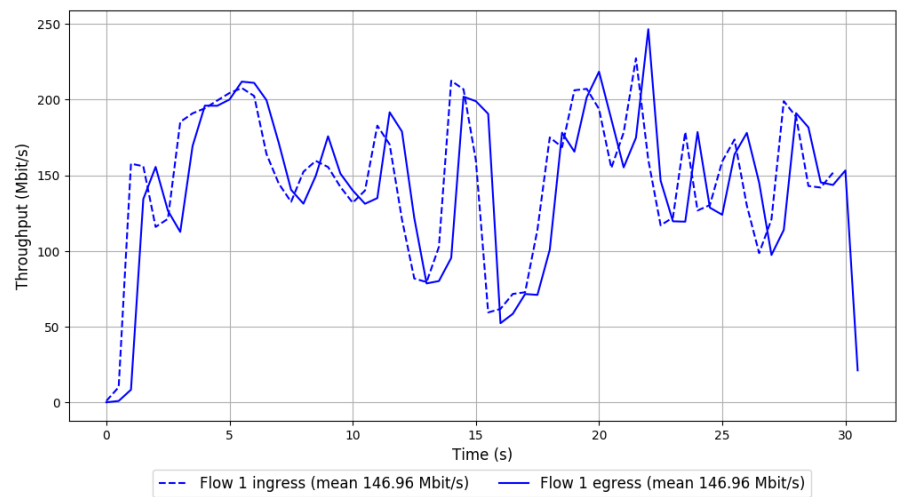
-- Flow 1:

Average throughput: 146.96 Mbit/s

95th percentile per-packet one-way delay: 63.151 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

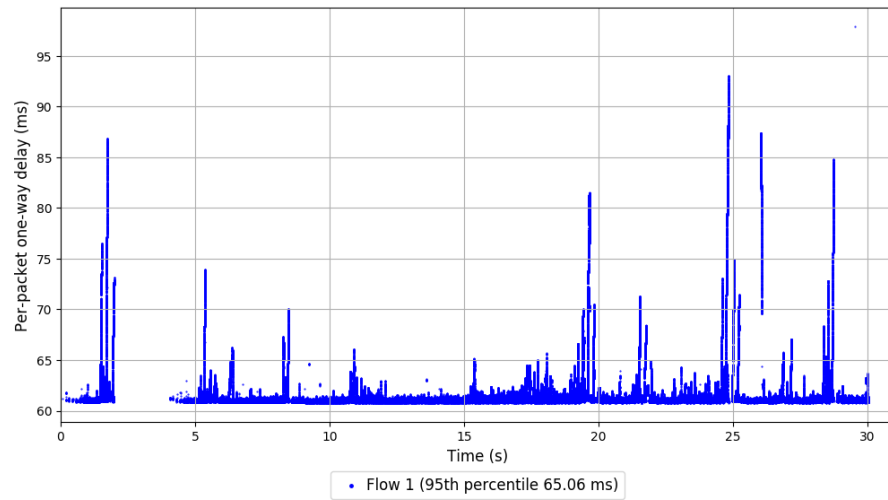
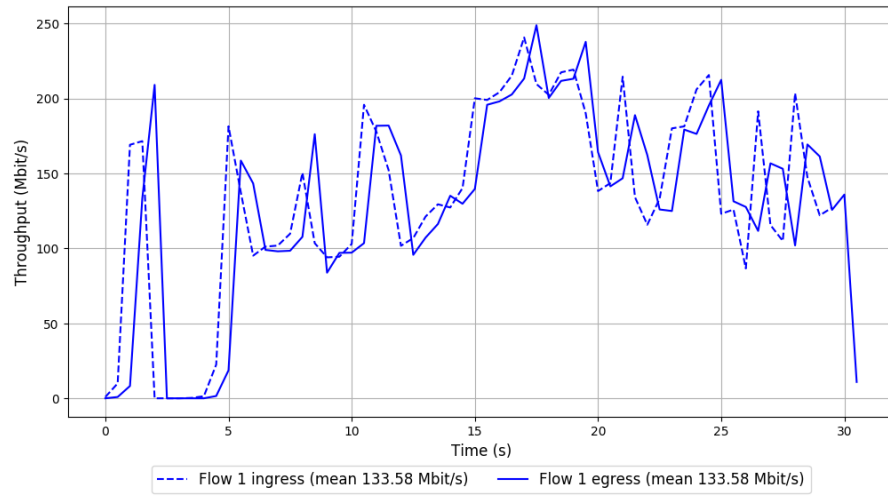


Run 5: Statistics of Copa

Start at: 2018-07-04 11:57:33
End at: 2018-07-04 11:58:03
Local clock offset: -0.04 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-04 14:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.58 Mbit/s
95th percentile per-packet one-way delay: 65.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.58 Mbit/s
95th percentile per-packet one-way delay: 65.061 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-04 12:20:41

End at: 2018-07-04 12:21:11

Local clock offset: 0.001 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-04 14:25:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.58 Mbit/s

95th percentile per-packet one-way delay: 68.254 ms

Loss rate: 0.00%

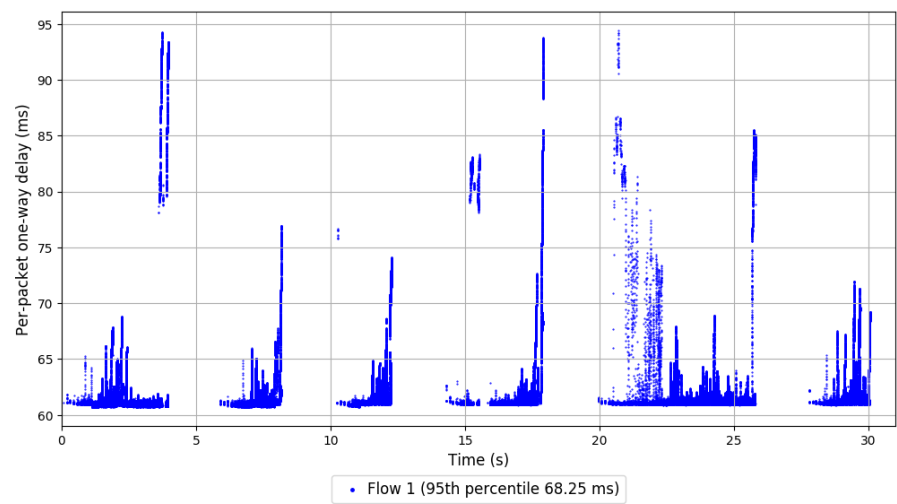
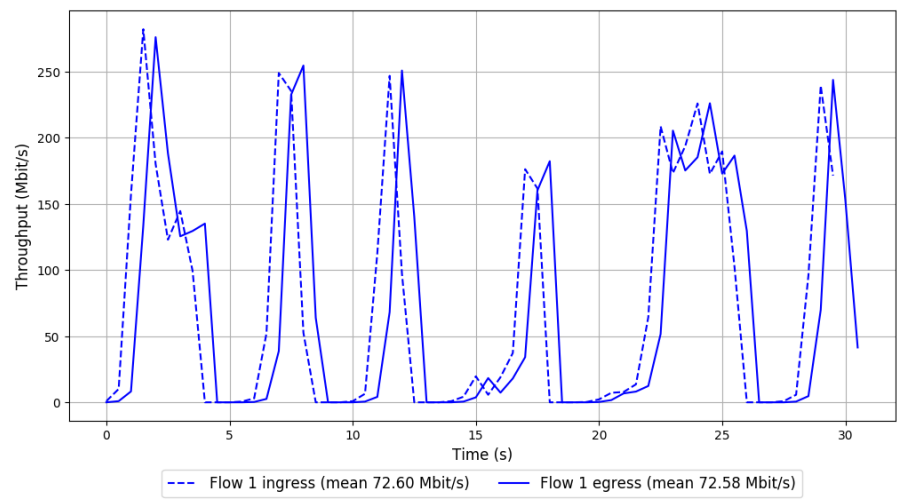
-- Flow 1:

Average throughput: 72.58 Mbit/s

95th percentile per-packet one-way delay: 68.254 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-04 12:42:20

End at: 2018-07-04 12:42:50

Local clock offset: 0.009 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-07-04 14:26:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.84 Mbit/s

95th percentile per-packet one-way delay: 64.404 ms

Loss rate: 0.00%

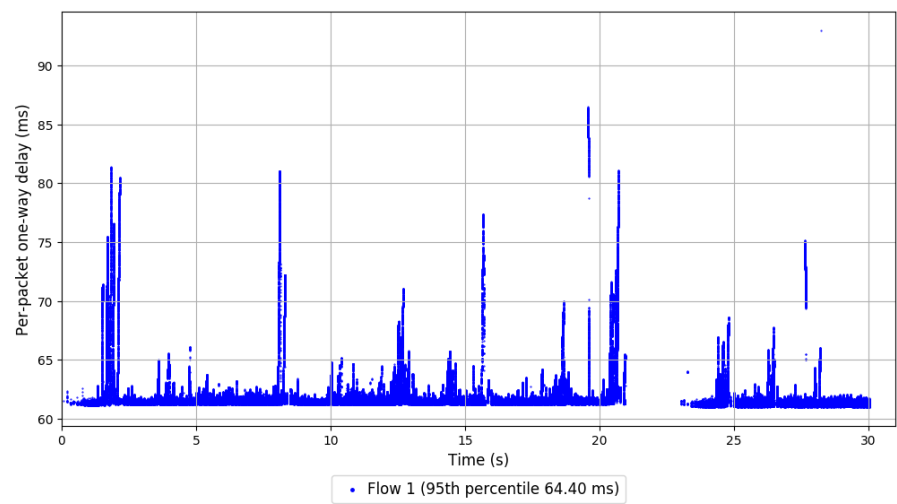
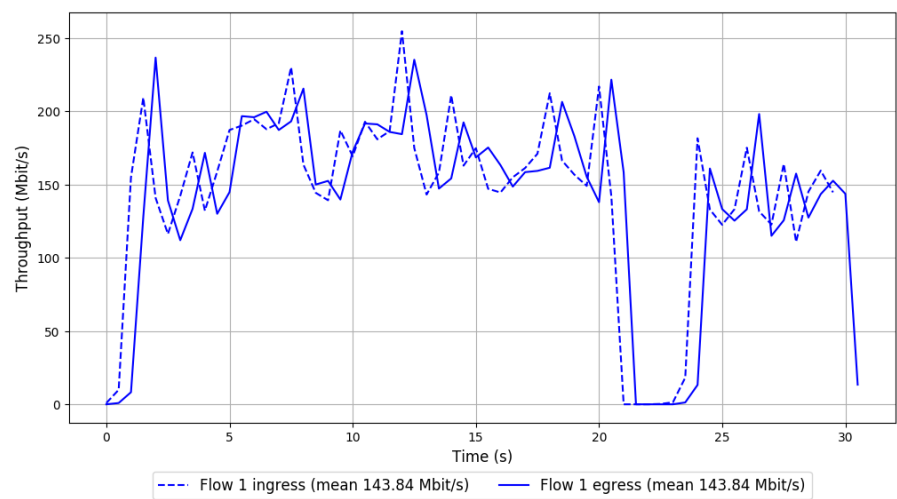
-- Flow 1:

Average throughput: 143.84 Mbit/s

95th percentile per-packet one-way delay: 64.404 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

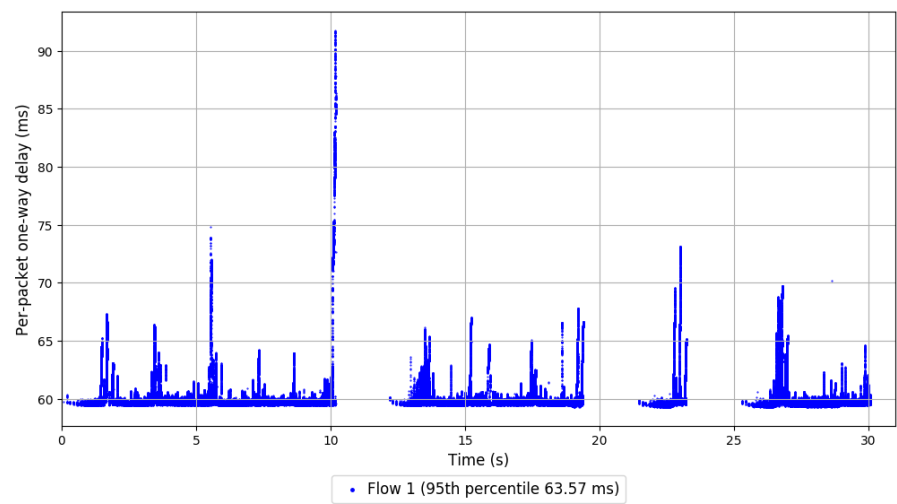
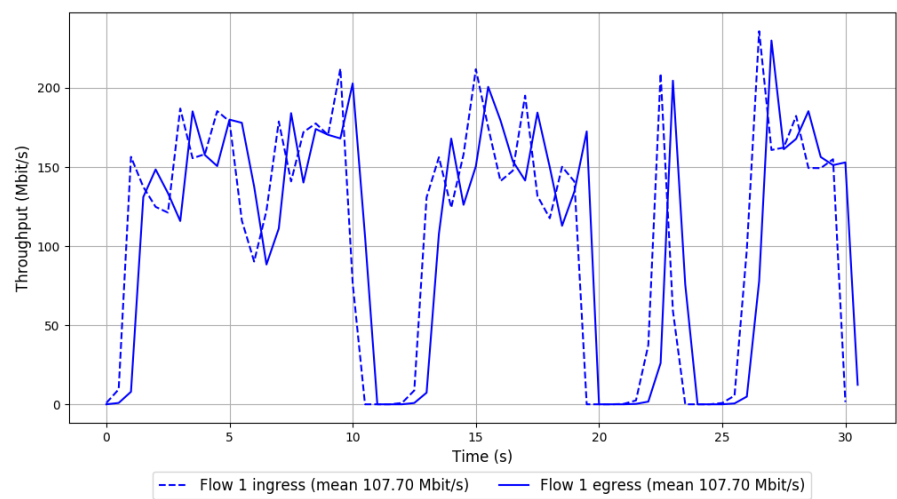


Run 8: Statistics of Copa

Start at: 2018-07-04 13:04:14
End at: 2018-07-04 13:04:44
Local clock offset: 0.015 ms
Remote clock offset: -1.483 ms

Below is generated by plot.py at 2018-07-04 14:27:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.70 Mbit/s
95th percentile per-packet one-way delay: 63.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.70 Mbit/s
95th percentile per-packet one-way delay: 63.566 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

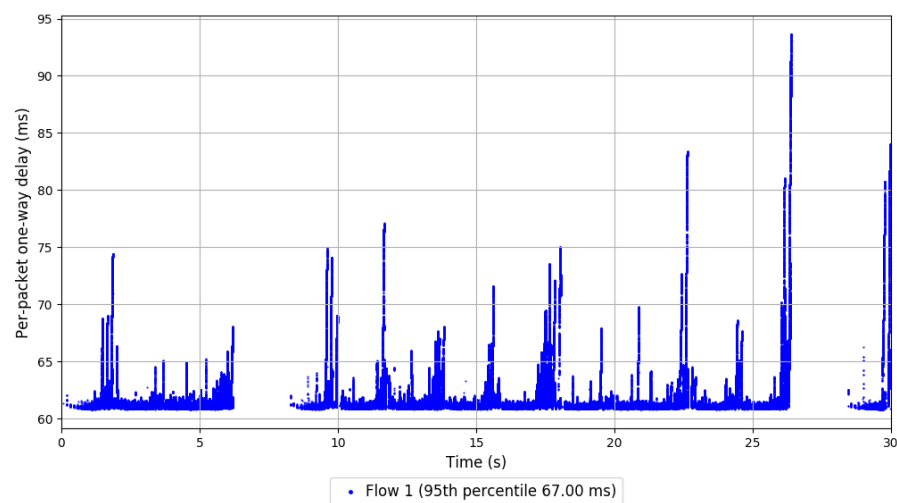
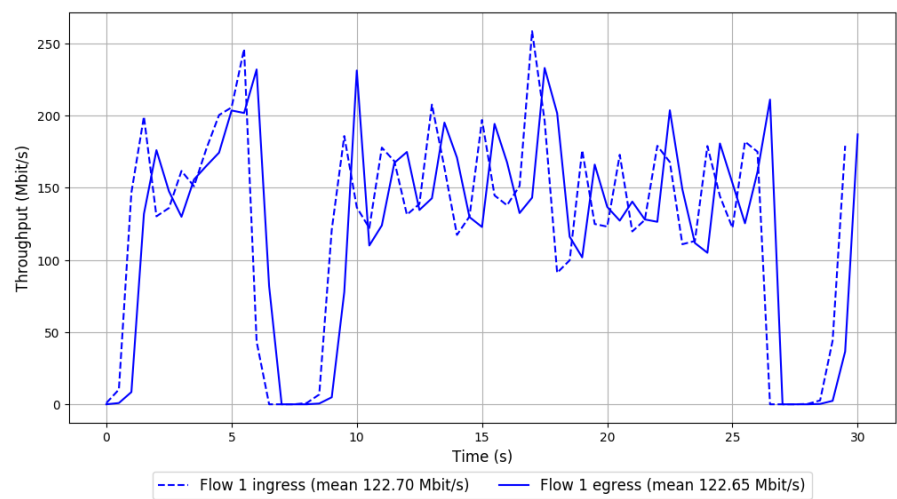


Run 9: Statistics of Copa

Start at: 2018-07-04 13:26:03
End at: 2018-07-04 13:26:33
Local clock offset: -0.004 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-04 14:28:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.65 Mbit/s
95th percentile per-packet one-way delay: 67.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.65 Mbit/s
95th percentile per-packet one-way delay: 67.000 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-04 13:48:04

End at: 2018-07-04 13:48:35

Local clock offset: -0.058 ms

Remote clock offset: 1.252 ms

Below is generated by plot.py at 2018-07-04 14:28:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.60 Mbit/s

95th percentile per-packet one-way delay: 67.200 ms

Loss rate: 0.00%

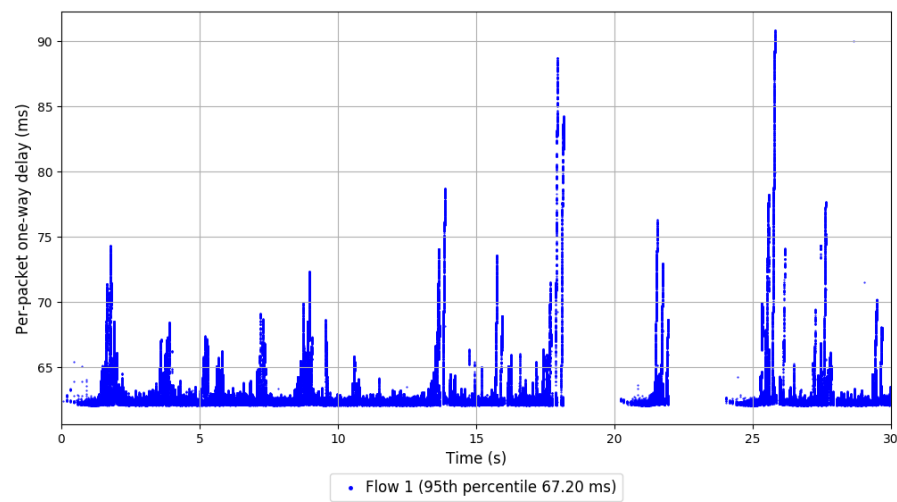
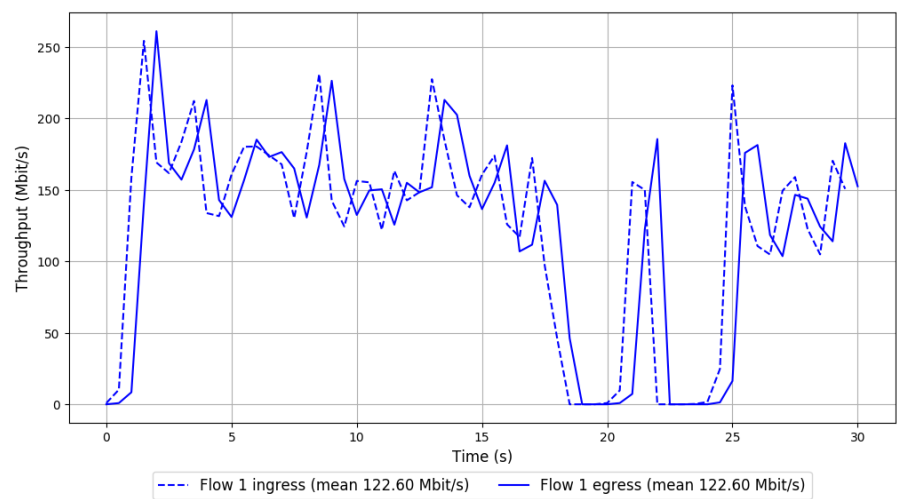
-- Flow 1:

Average throughput: 122.60 Mbit/s

95th percentile per-packet one-way delay: 67.200 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

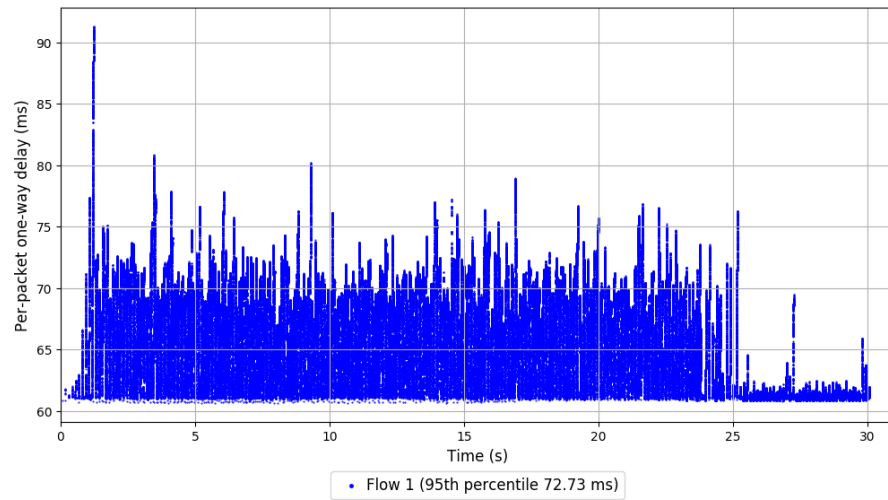
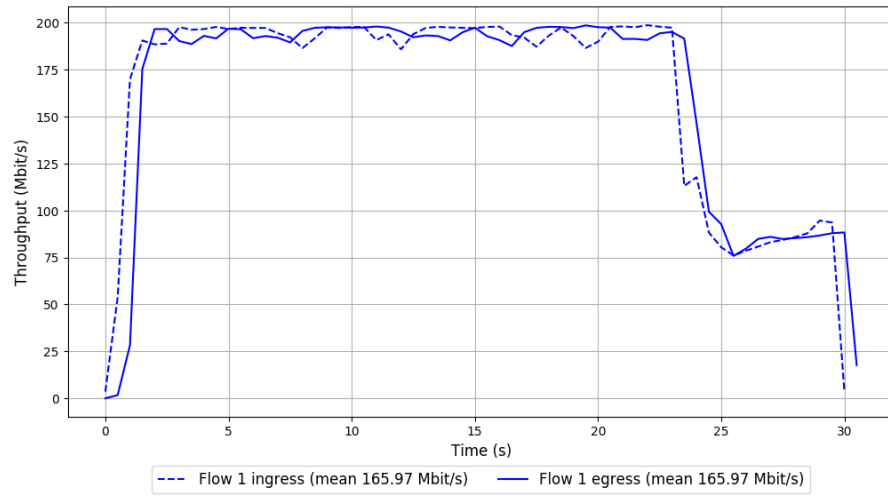


Run 1: Statistics of TCP Cubic

Start at: 2018-07-04 10:41:15
End at: 2018-07-04 10:41:45
Local clock offset: -0.116 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-04 14:28:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.97 Mbit/s
95th percentile per-packet one-way delay: 72.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.97 Mbit/s
95th percentile per-packet one-way delay: 72.734 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-04 11:02:51

End at: 2018-07-04 11:03:21

Local clock offset: -0.013 ms

Remote clock offset: 1.389 ms

Below is generated by plot.py at 2018-07-04 14:29:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.22 Mbit/s

95th percentile per-packet one-way delay: 74.165 ms

Loss rate: 0.00%

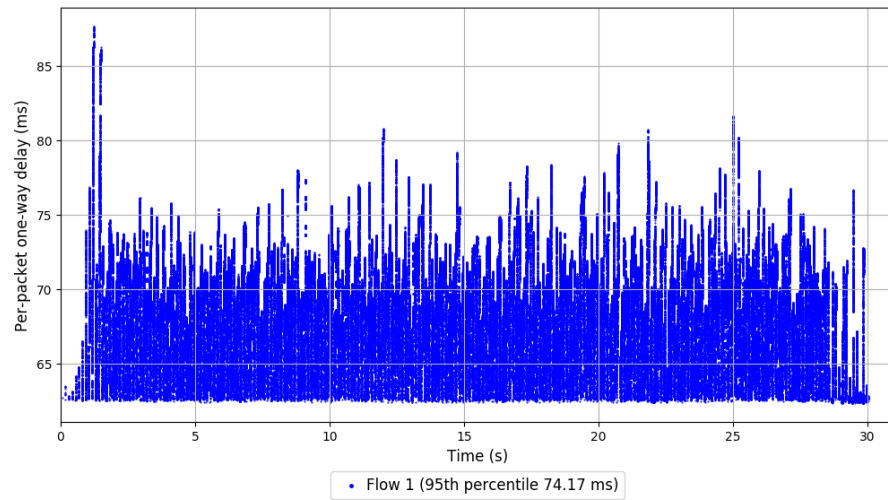
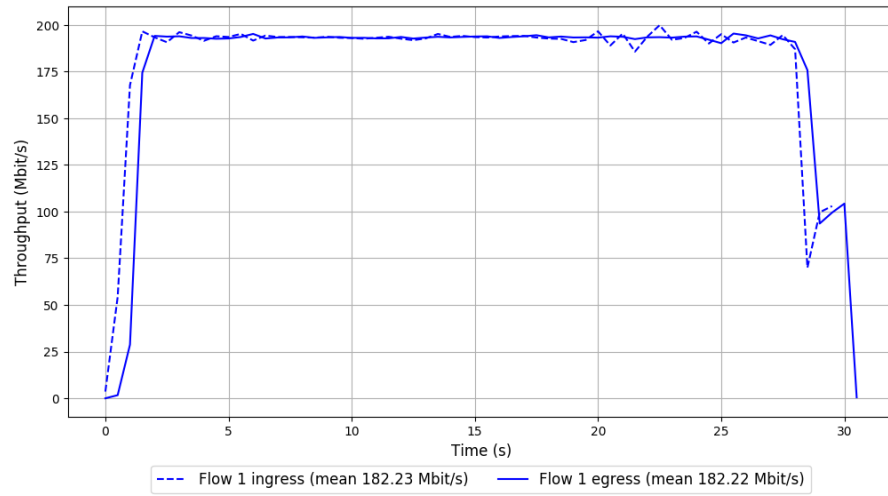
-- Flow 1:

Average throughput: 182.22 Mbit/s

95th percentile per-packet one-way delay: 74.165 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

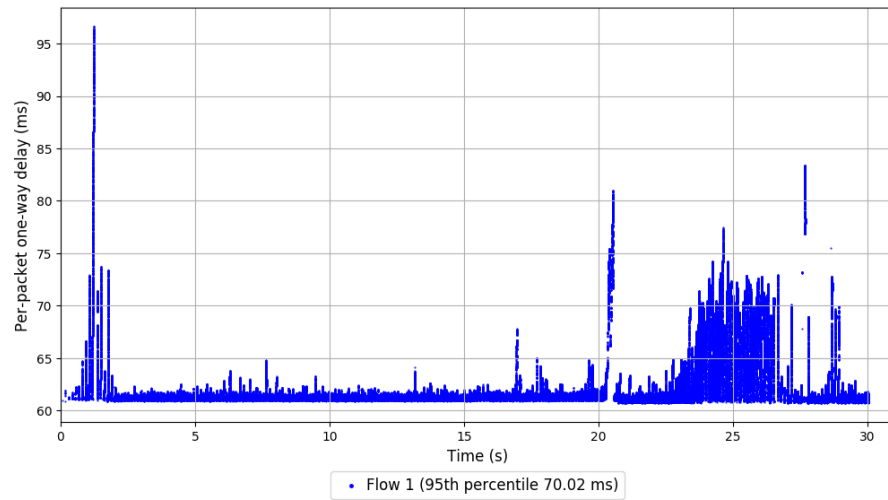
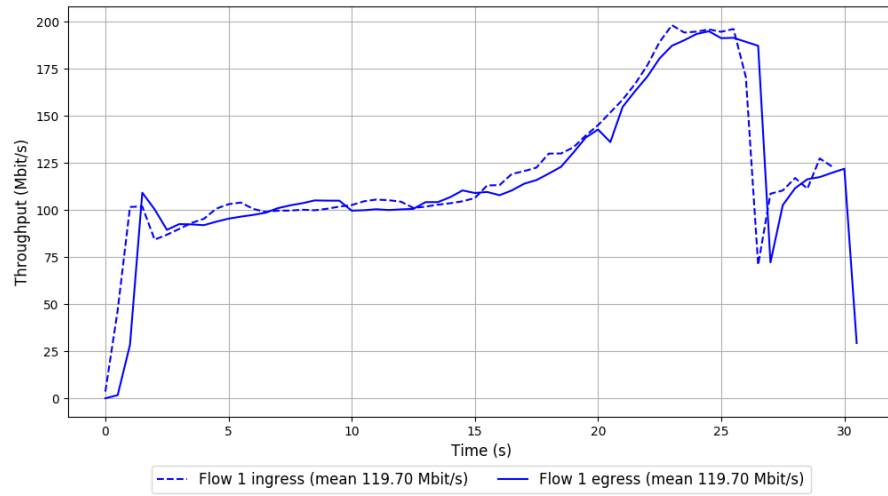


Run 3: Statistics of TCP Cubic

Start at: 2018-07-04 11:24:32
End at: 2018-07-04 11:25:02
Local clock offset: -0.024 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-04 14:29:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.70 Mbit/s
95th percentile per-packet one-way delay: 70.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.70 Mbit/s
95th percentile per-packet one-way delay: 70.018 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

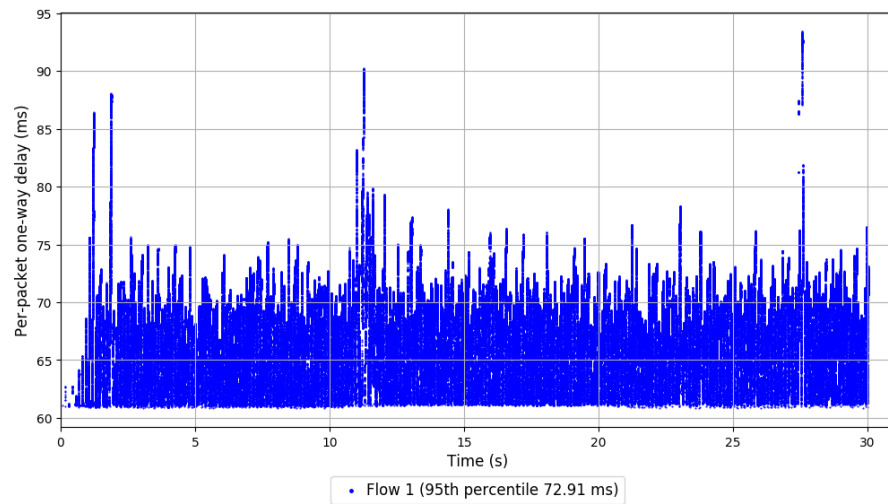
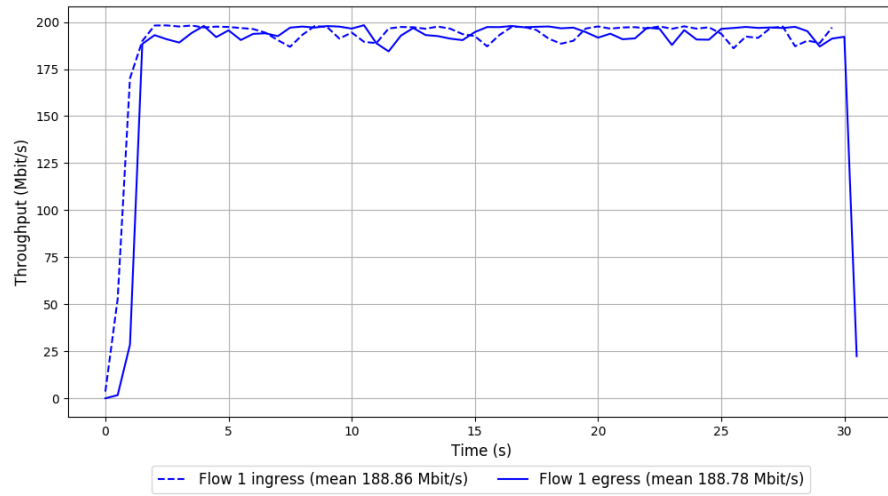


Run 4: Statistics of TCP Cubic

Start at: 2018-07-04 11:46:32
End at: 2018-07-04 11:47:02
Local clock offset: -0.057 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-04 14:29:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.78 Mbit/s
95th percentile per-packet one-way delay: 72.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.78 Mbit/s
95th percentile per-packet one-way delay: 72.911 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

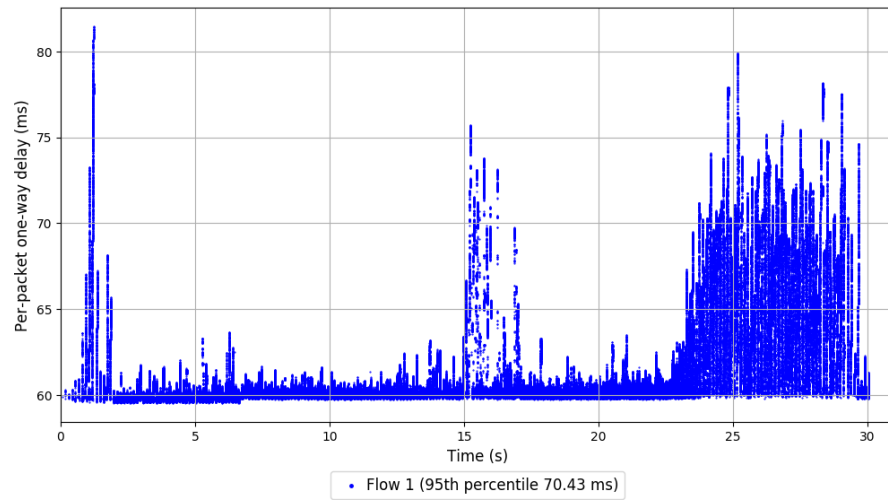
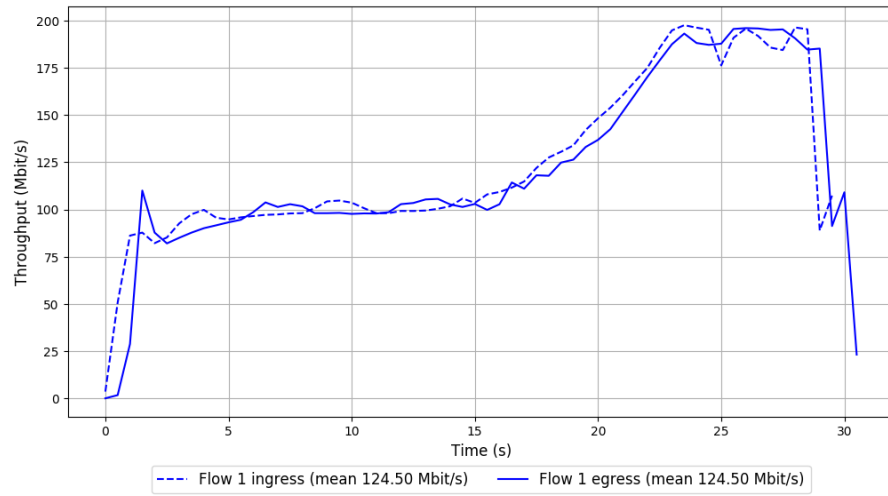


Run 5: Statistics of TCP Cubic

Start at: 2018-07-04 12:08:46
End at: 2018-07-04 12:09:16
Local clock offset: -0.021 ms
Remote clock offset: -1.163 ms

Below is generated by plot.py at 2018-07-04 14:29:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.50 Mbit/s
95th percentile per-packet one-way delay: 70.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.50 Mbit/s
95th percentile per-packet one-way delay: 70.429 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-04 12:31:35

End at: 2018-07-04 12:32:05

Local clock offset: -0.05 ms

Remote clock offset: 1.28 ms

Below is generated by plot.py at 2018-07-04 14:31:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.43 Mbit/s

95th percentile per-packet one-way delay: 72.769 ms

Loss rate: 0.00%

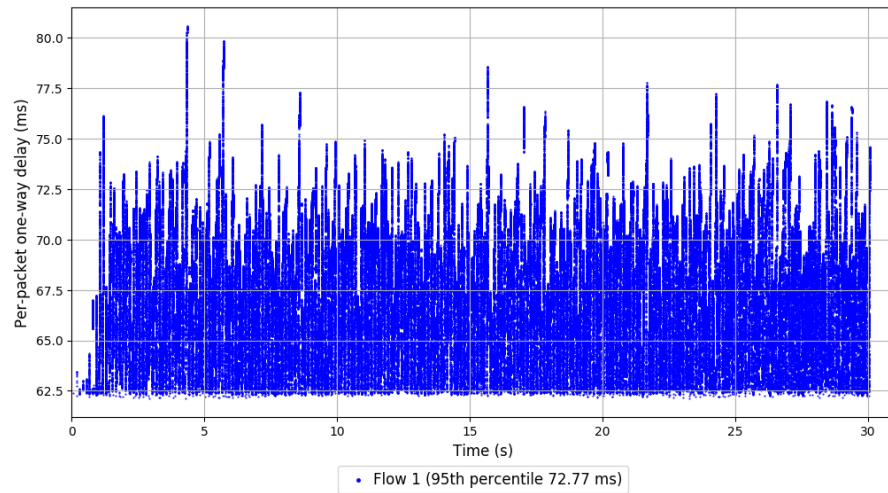
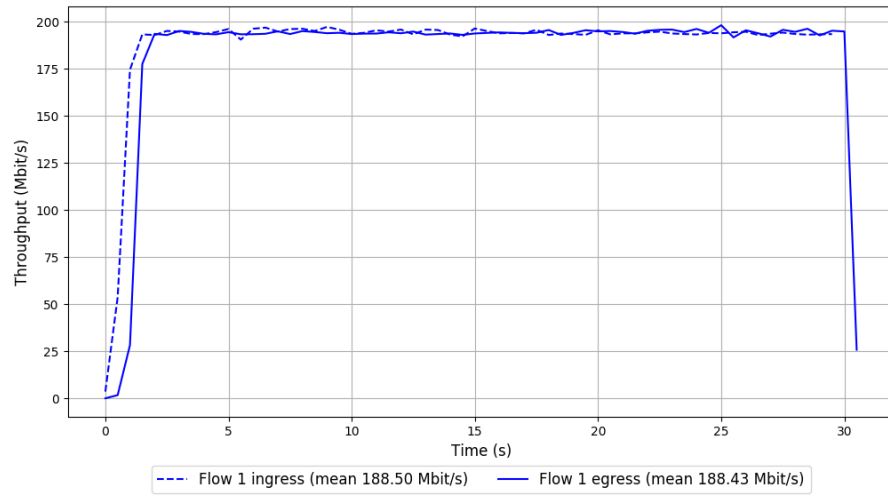
-- Flow 1:

Average throughput: 188.43 Mbit/s

95th percentile per-packet one-way delay: 72.769 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-04 12:53:19

End at: 2018-07-04 12:53:50

Local clock offset: 0.006 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-07-04 14:31:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.96 Mbit/s

95th percentile per-packet one-way delay: 72.076 ms

Loss rate: 0.03%

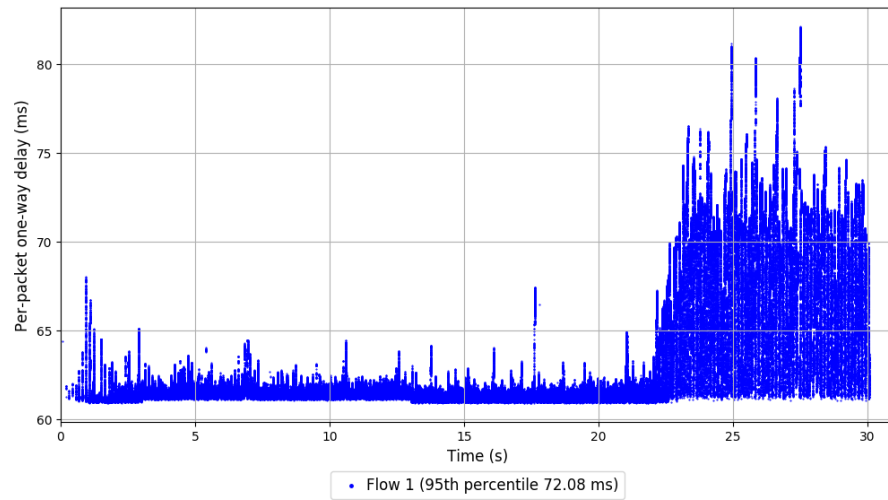
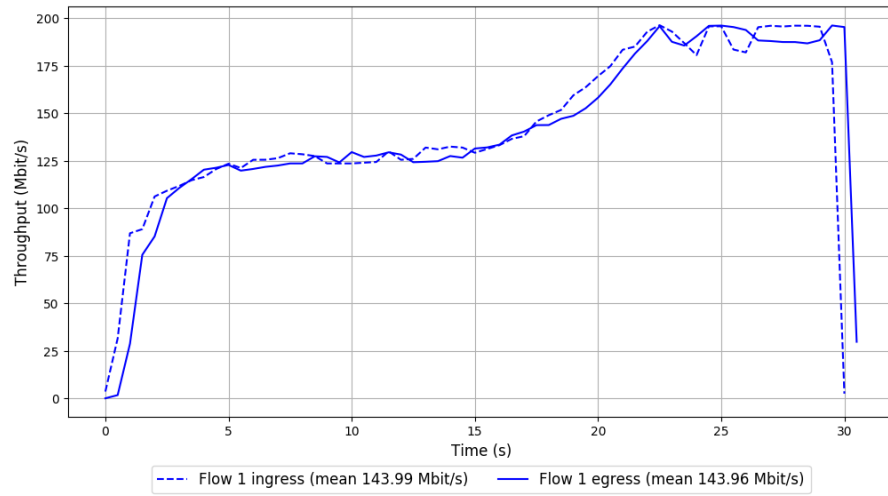
-- Flow 1:

Average throughput: 143.96 Mbit/s

95th percentile per-packet one-way delay: 72.076 ms

Loss rate: 0.03%

Run 7: Report of TCP Cubic — Data Link

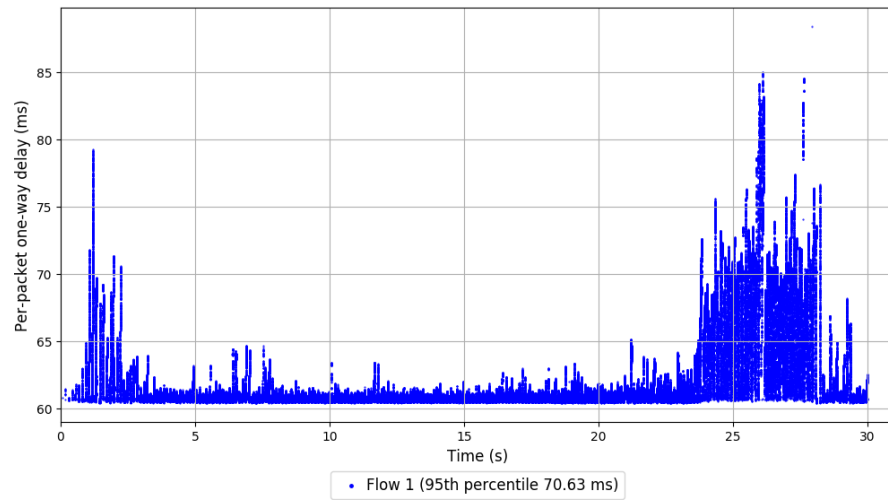
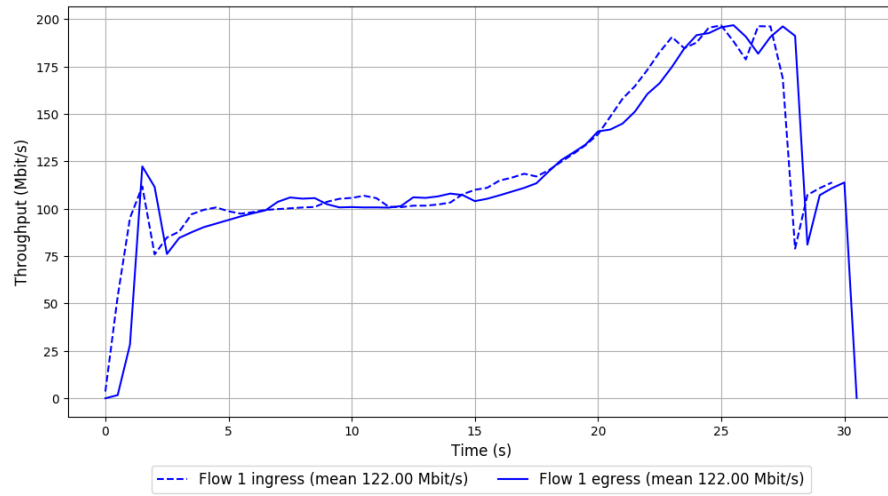


Run 8: Statistics of TCP Cubic

Start at: 2018-07-04 13:15:04
End at: 2018-07-04 13:15:34
Local clock offset: -0.02 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-07-04 14:31:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.00 Mbit/s
95th percentile per-packet one-way delay: 70.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.00 Mbit/s
95th percentile per-packet one-way delay: 70.633 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

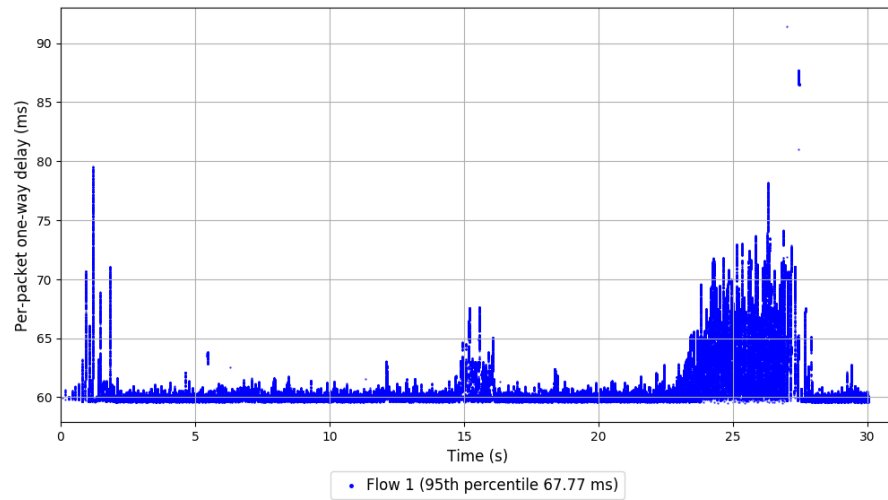
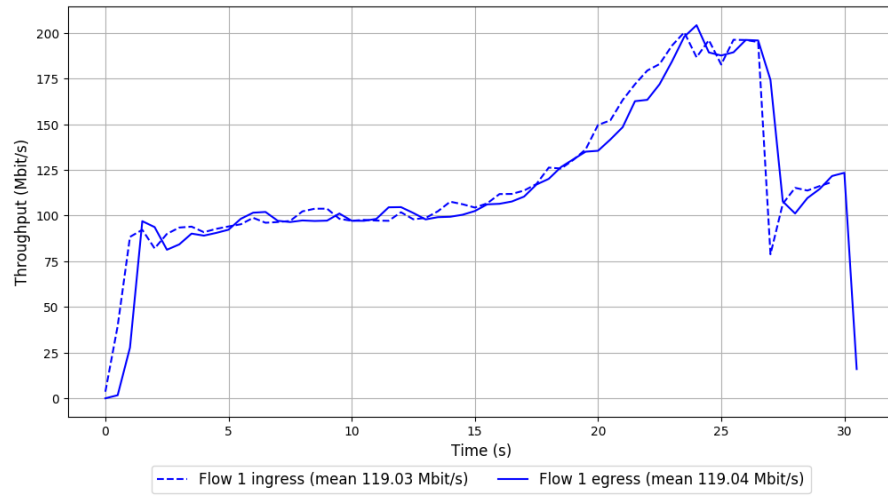


Run 9: Statistics of TCP Cubic

Start at: 2018-07-04 13:37:05
End at: 2018-07-04 13:37:35
Local clock offset: -0.027 ms
Remote clock offset: -1.285 ms

Below is generated by plot.py at 2018-07-04 14:31:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.04 Mbit/s
95th percentile per-packet one-way delay: 67.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.04 Mbit/s
95th percentile per-packet one-way delay: 67.773 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-04 13:58:55

End at: 2018-07-04 13:59:25

Local clock offset: -0.063 ms

Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-04 14:32:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.42 Mbit/s

95th percentile per-packet one-way delay: 71.982 ms

Loss rate: 0.03%

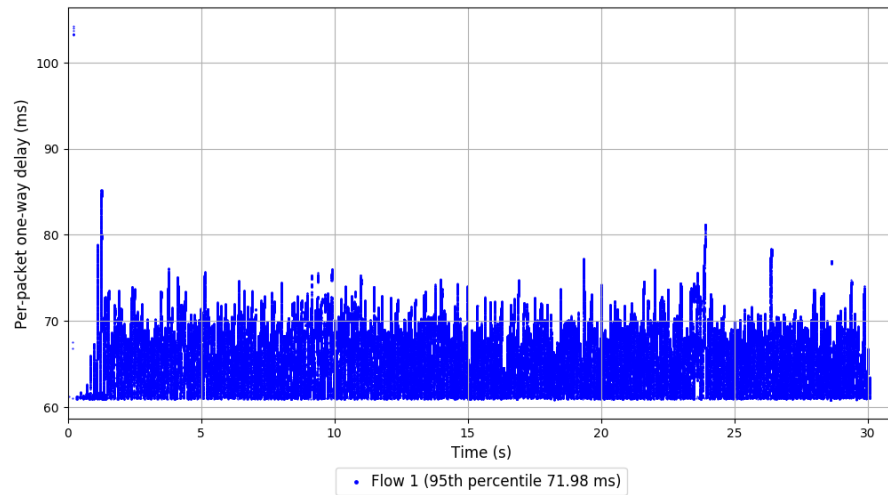
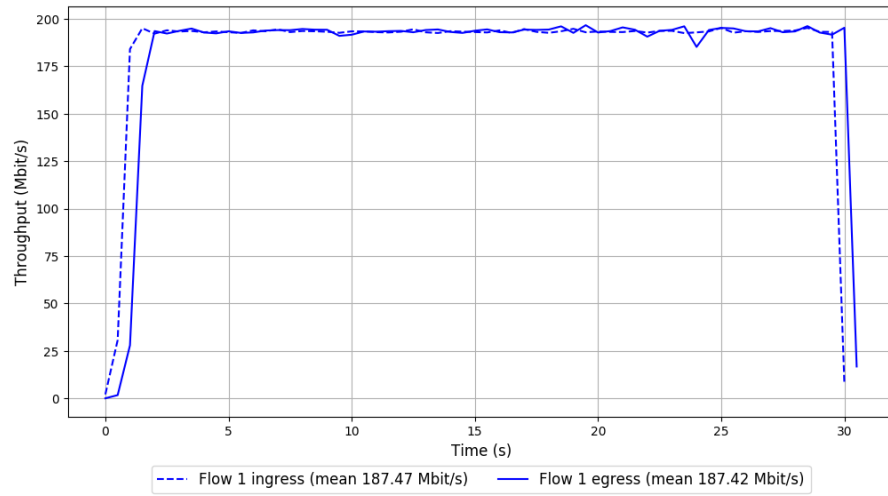
-- Flow 1:

Average throughput: 187.42 Mbit/s

95th percentile per-packet one-way delay: 71.982 ms

Loss rate: 0.03%

Run 10: Report of TCP Cubic — Data Link

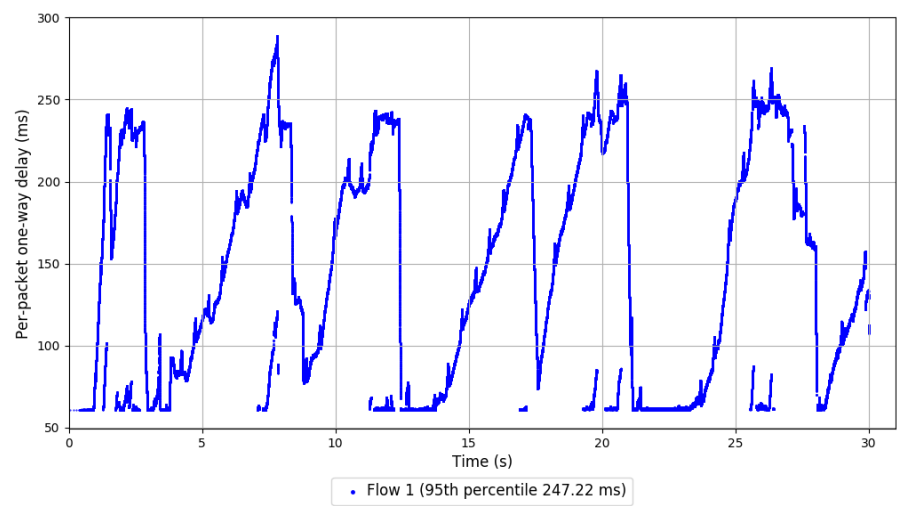
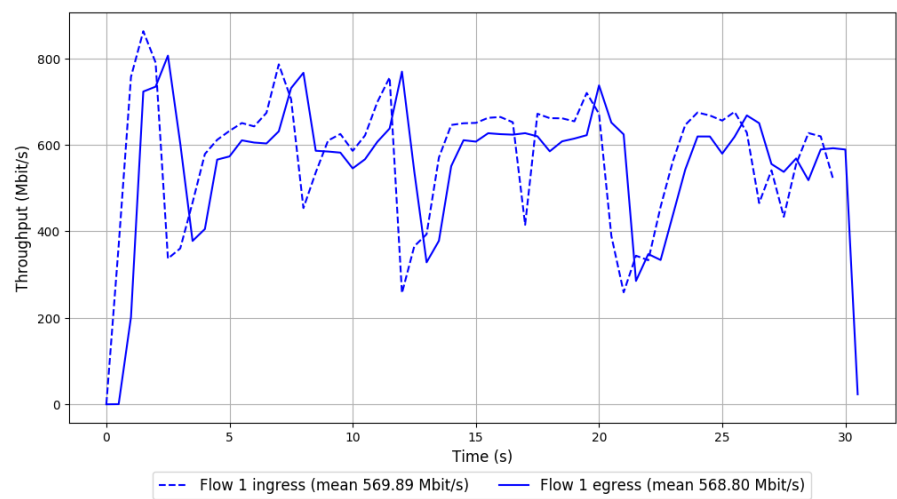


Run 1: Statistics of FillP

Start at: 2018-07-04 10:39:45
End at: 2018-07-04 10:40:15
Local clock offset: -0.099 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-04 14:43:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 568.80 Mbit/s
95th percentile per-packet one-way delay: 247.220 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 568.80 Mbit/s
95th percentile per-packet one-way delay: 247.220 ms
Loss rate: 0.19%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-04 11:01:21

End at: 2018-07-04 11:01:51

Local clock offset: -0.031 ms

Remote clock offset: 1.121 ms

Below is generated by plot.py at 2018-07-04 14:43:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 576.53 Mbit/s

95th percentile per-packet one-way delay: 265.557 ms

Loss rate: 0.45%

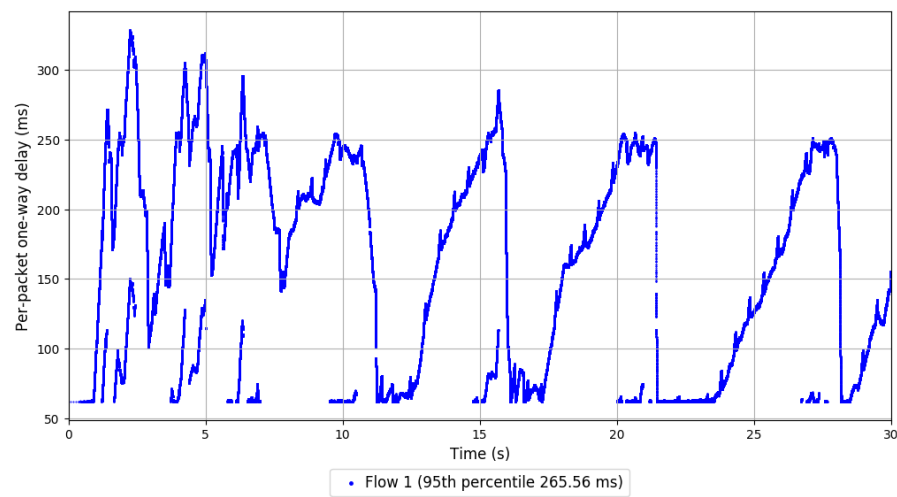
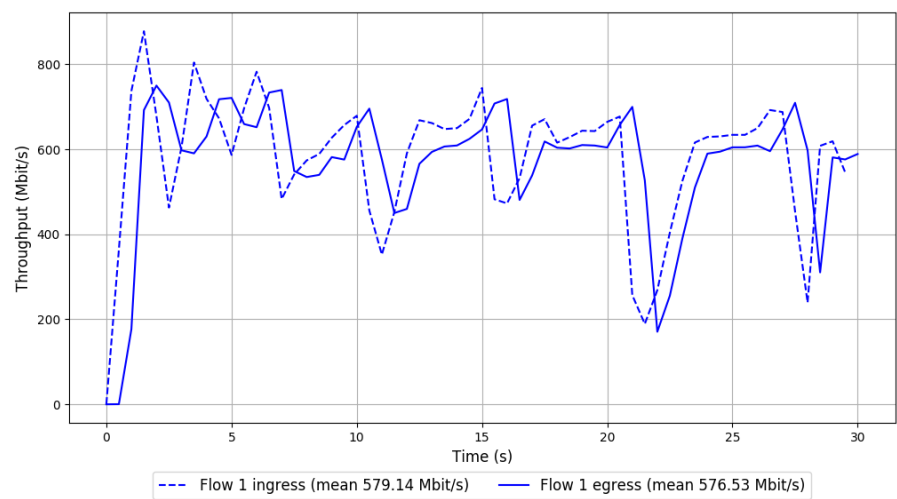
-- Flow 1:

Average throughput: 576.53 Mbit/s

95th percentile per-packet one-way delay: 265.557 ms

Loss rate: 0.45%

Run 2: Report of FillP — Data Link

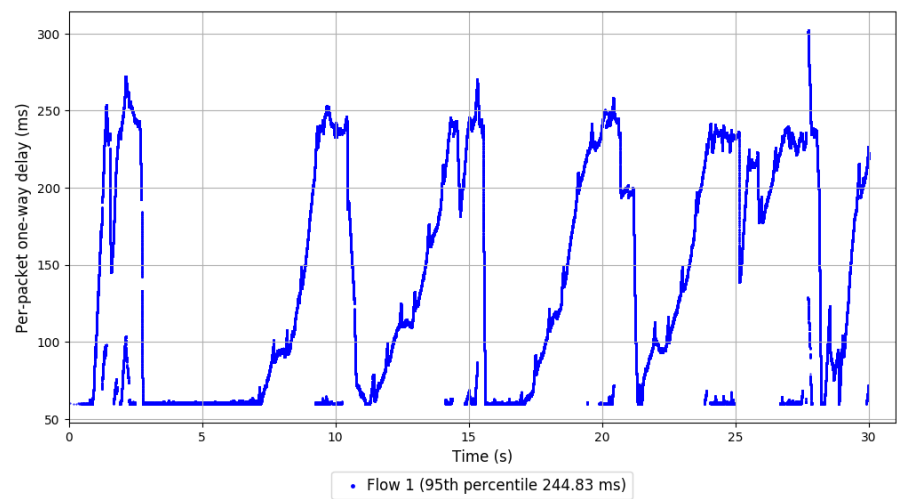
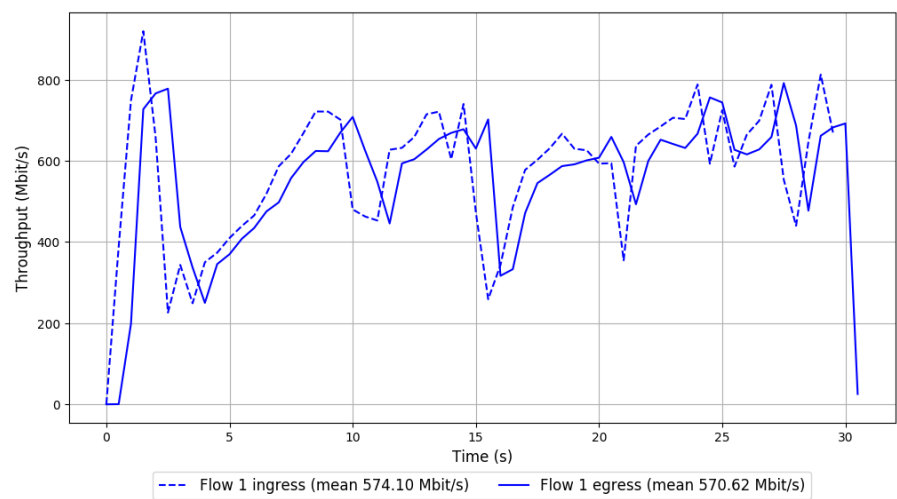


Run 3: Statistics of FillP

Start at: 2018-07-04 11:23:01
End at: 2018-07-04 11:23:31
Local clock offset: -0.013 ms
Remote clock offset: -1.324 ms

Below is generated by plot.py at 2018-07-04 14:44:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 570.62 Mbit/s
95th percentile per-packet one-way delay: 244.826 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 570.62 Mbit/s
95th percentile per-packet one-way delay: 244.826 ms
Loss rate: 0.60%

Run 3: Report of FillP — Data Link

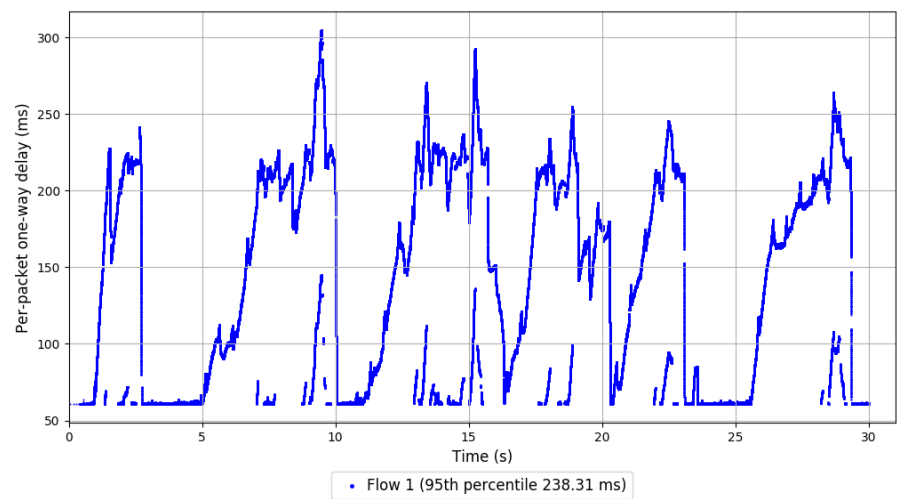
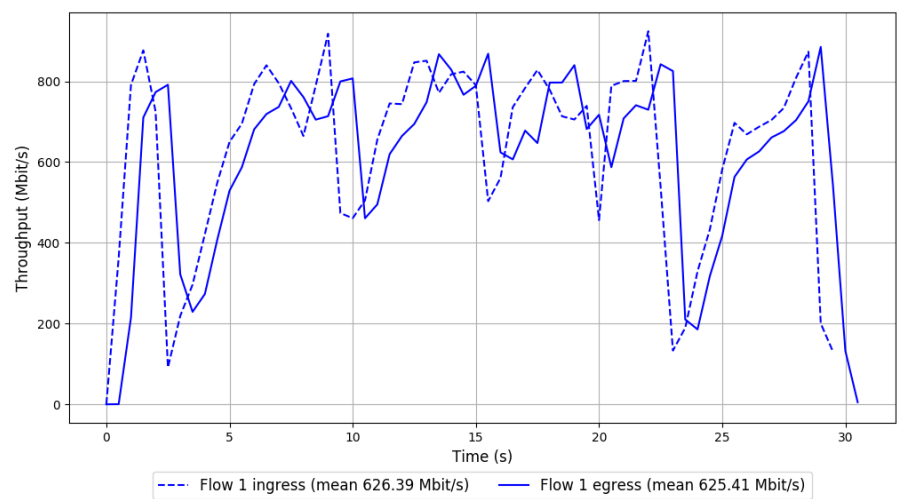


Run 4: Statistics of FillP

Start at: 2018-07-04 11:44:57
End at: 2018-07-04 11:45:27
Local clock offset: -0.019 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-04 14:46:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 625.41 Mbit/s
95th percentile per-packet one-way delay: 238.311 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 625.41 Mbit/s
95th percentile per-packet one-way delay: 238.311 ms
Loss rate: 0.16%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-04 12:07:13

End at: 2018-07-04 12:07:43

Local clock offset: -0.028 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-07-04 14:46:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 640.40 Mbit/s

95th percentile per-packet one-way delay: 241.035 ms

Loss rate: 0.77%

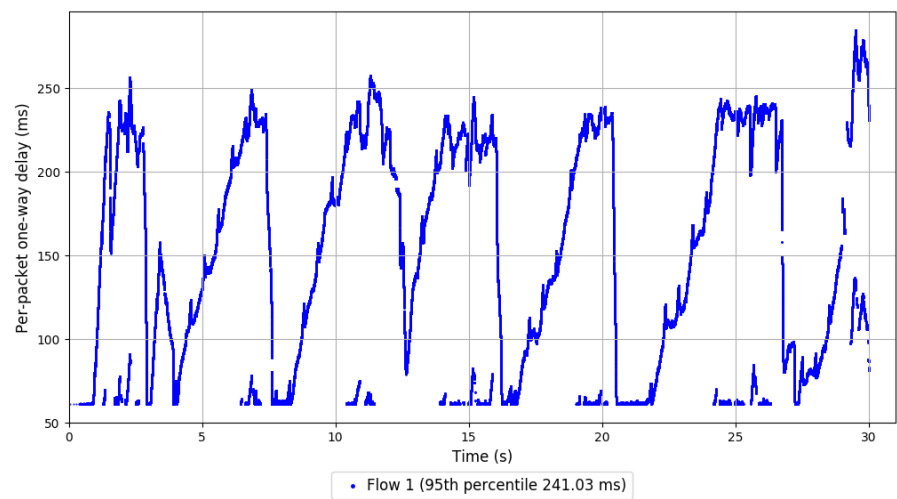
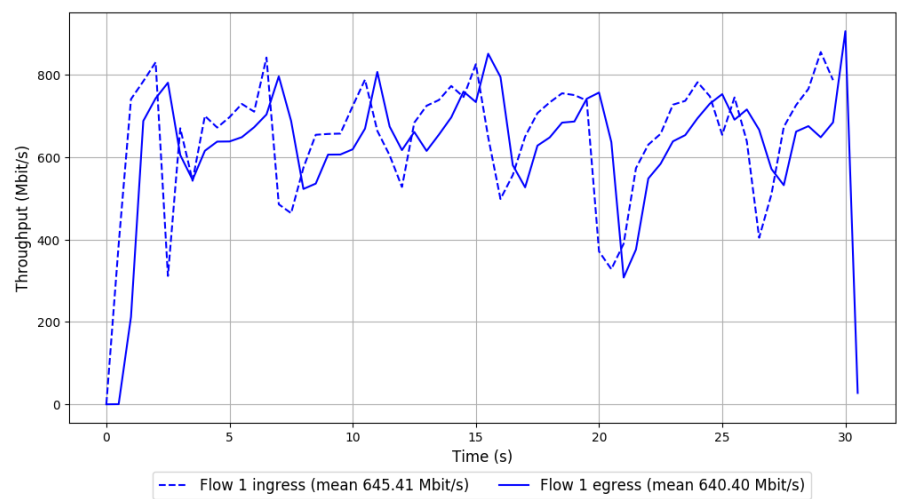
-- Flow 1:

Average throughput: 640.40 Mbit/s

95th percentile per-packet one-way delay: 241.035 ms

Loss rate: 0.77%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-04 12:30:05

End at: 2018-07-04 12:30:35

Local clock offset: -0.06 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2018-07-04 14:46:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 593.48 Mbit/s

95th percentile per-packet one-way delay: 248.775 ms

Loss rate: 0.35%

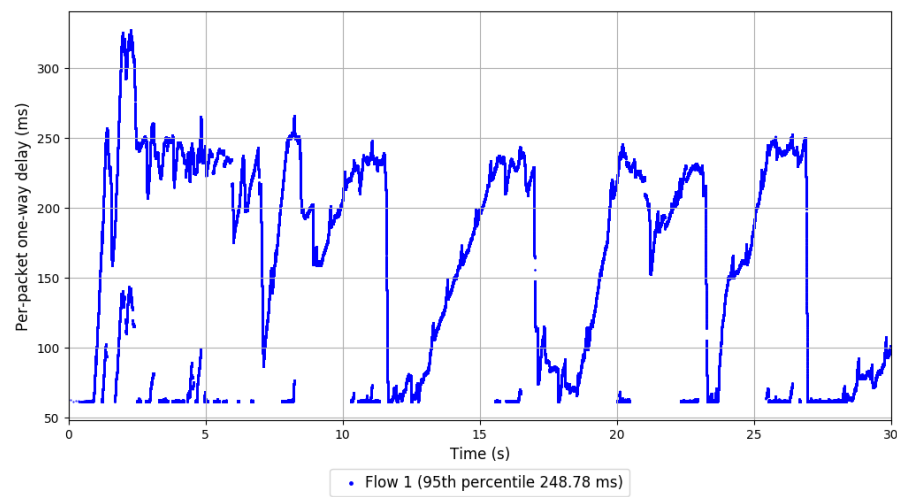
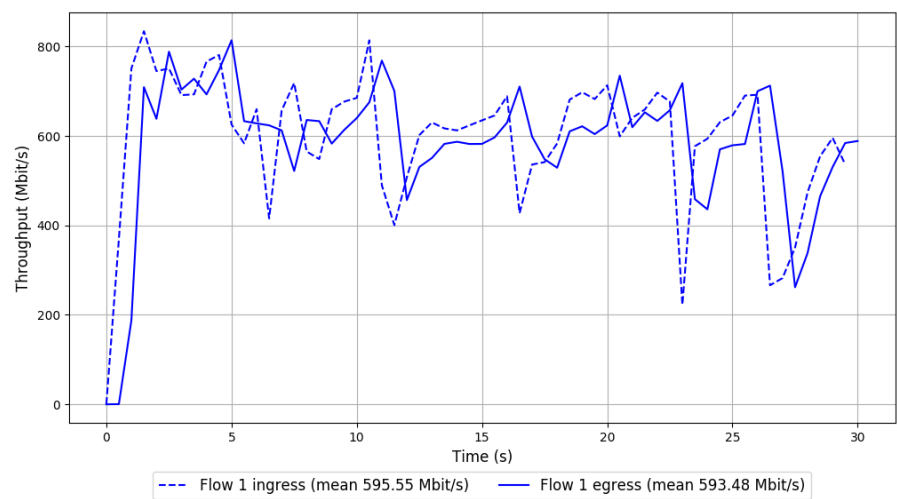
-- Flow 1:

Average throughput: 593.48 Mbit/s

95th percentile per-packet one-way delay: 248.775 ms

Loss rate: 0.35%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-04 12:51:51

End at: 2018-07-04 12:52:21

Local clock offset: -0.007 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2018-07-04 14:46:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 542.73 Mbit/s

95th percentile per-packet one-way delay: 249.416 ms

Loss rate: 0.33%

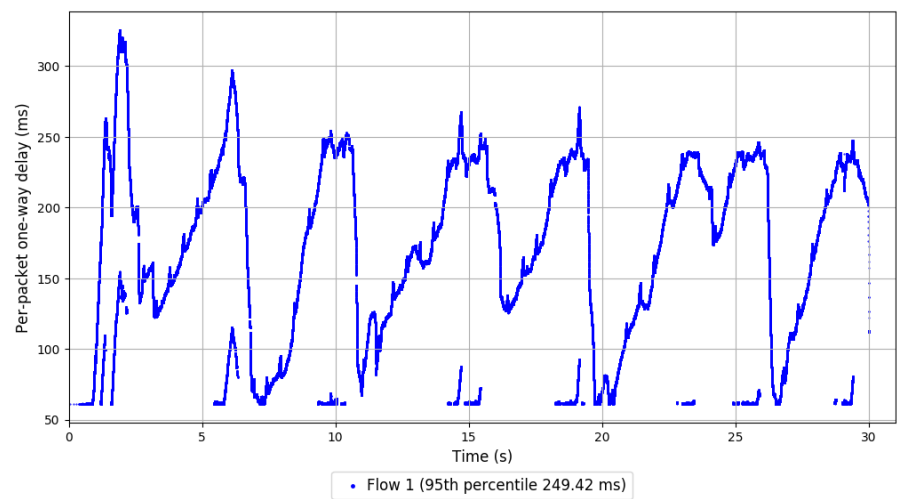
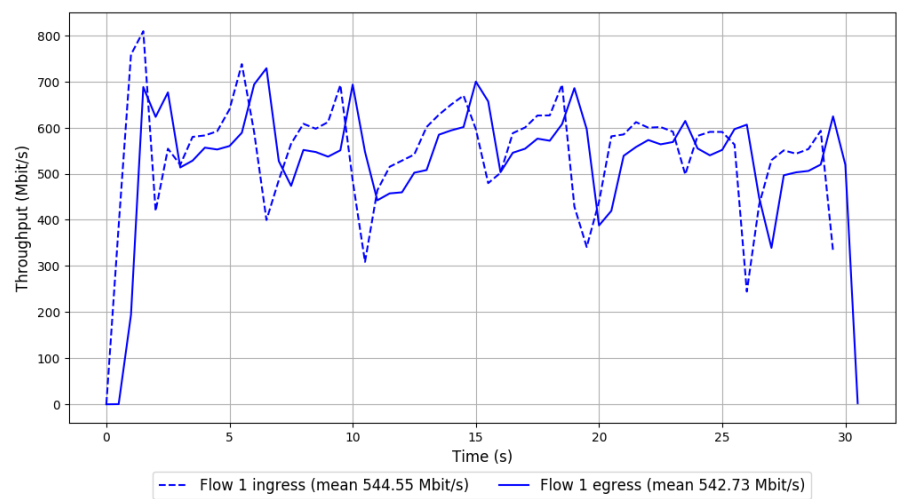
-- Flow 1:

Average throughput: 542.73 Mbit/s

95th percentile per-packet one-way delay: 249.416 ms

Loss rate: 0.33%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-04 13:13:31

End at: 2018-07-04 13:14:01

Local clock offset: 0.025 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2018-07-04 14:47:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 639.51 Mbit/s

95th percentile per-packet one-way delay: 250.193 ms

Loss rate: 0.47%

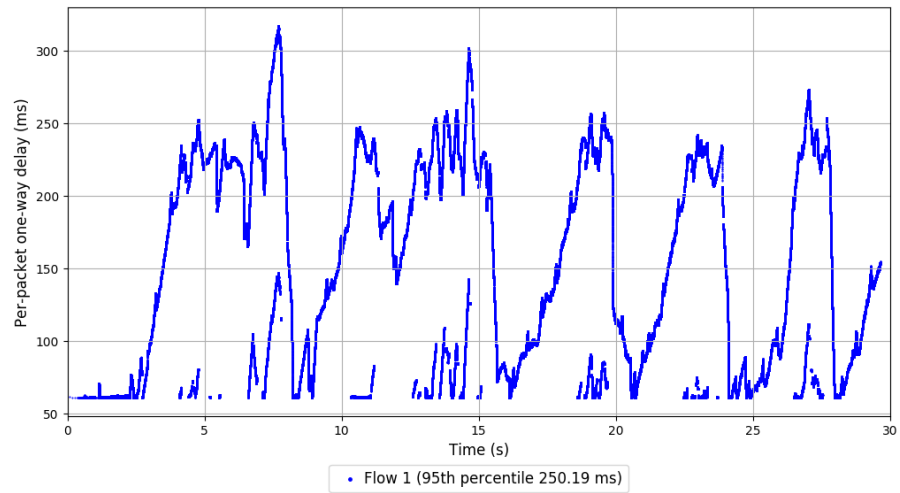
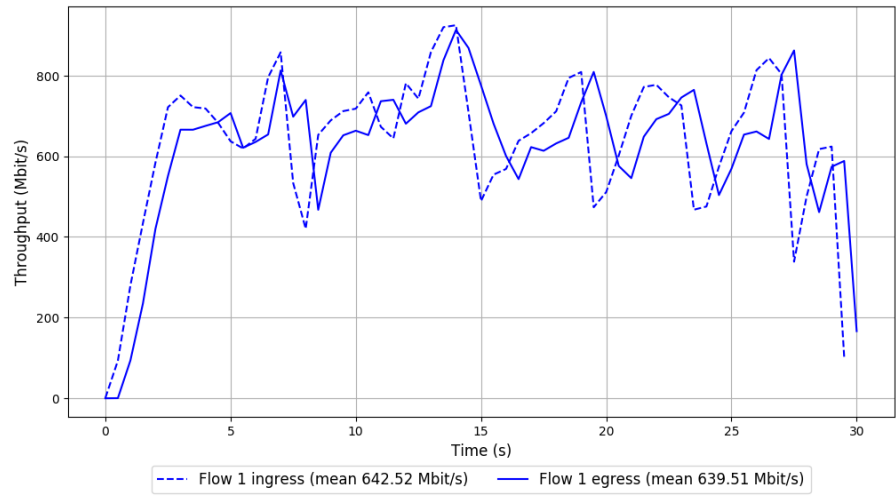
-- Flow 1:

Average throughput: 639.51 Mbit/s

95th percentile per-packet one-way delay: 250.193 ms

Loss rate: 0.47%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-04 13:35:32

End at: 2018-07-04 13:36:02

Local clock offset: -0.065 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-07-04 14:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 661.77 Mbit/s

95th percentile per-packet one-way delay: 227.176 ms

Loss rate: 0.24%

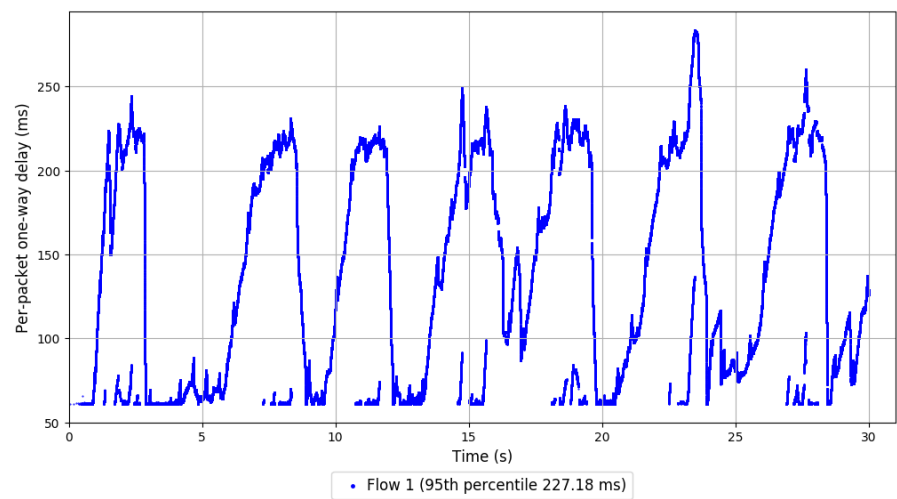
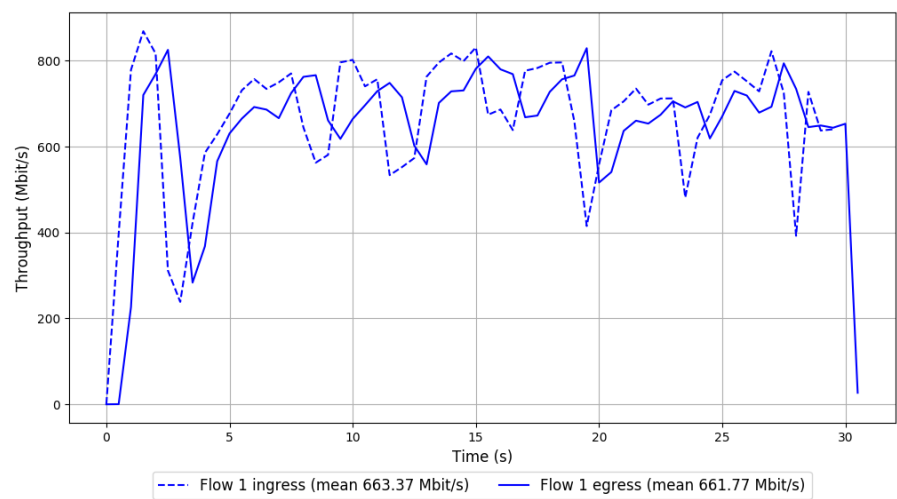
-- Flow 1:

Average throughput: 661.77 Mbit/s

95th percentile per-packet one-way delay: 227.176 ms

Loss rate: 0.24%

Run 9: Report of FillP — Data Link

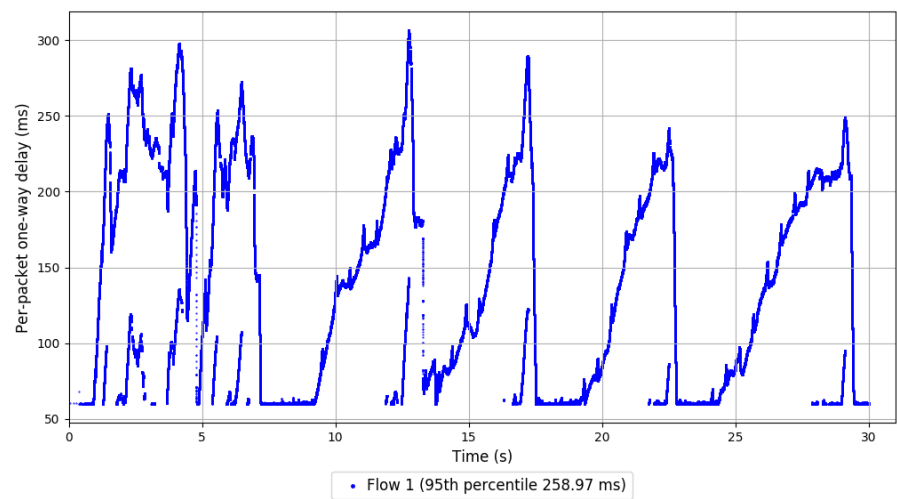
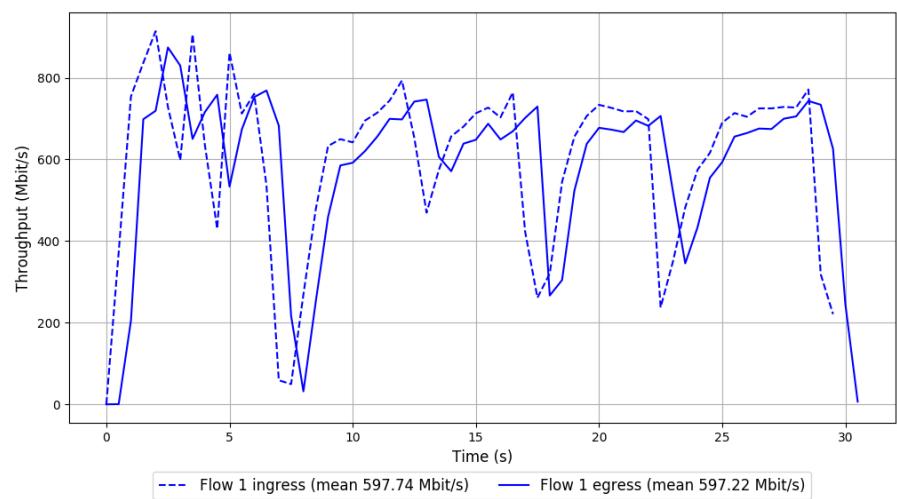


Run 10: Statistics of FillP

Start at: 2018-07-04 13:57:25
End at: 2018-07-04 13:57:55
Local clock offset: -0.056 ms
Remote clock offset: -1.194 ms

Below is generated by plot.py at 2018-07-04 14:58:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 597.22 Mbit/s
95th percentile per-packet one-way delay: 258.969 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 597.22 Mbit/s
95th percentile per-packet one-way delay: 258.969 ms
Loss rate: 0.09%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-04 10:43:49

End at: 2018-07-04 10:44:19

Local clock offset: -0.1 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-04 14:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 435.05 Mbit/s

95th percentile per-packet one-way delay: 309.656 ms

Loss rate: 3.91%

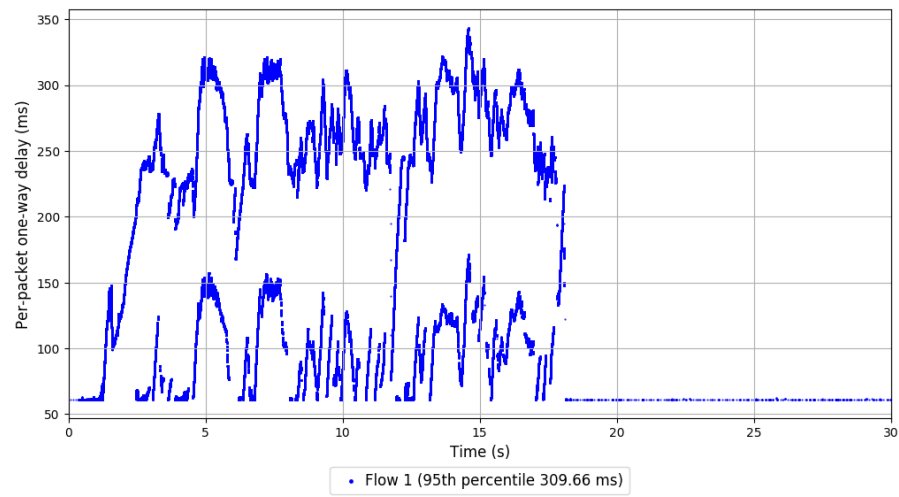
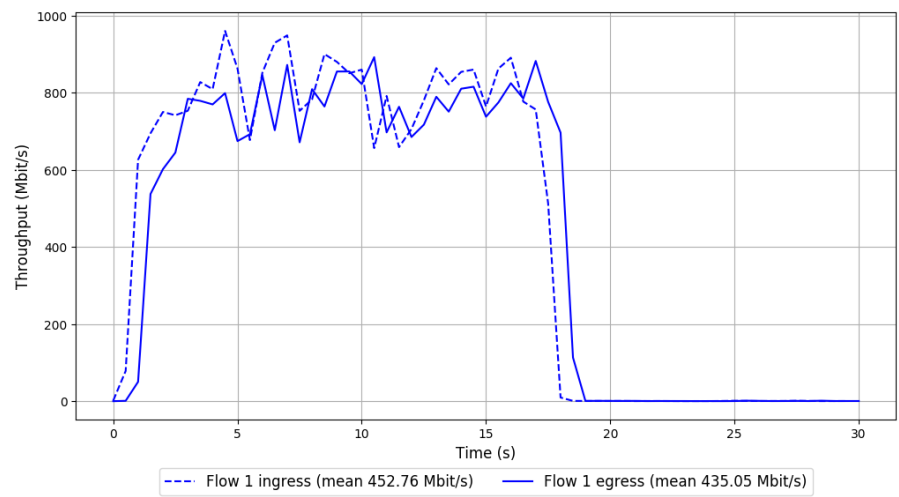
-- Flow 1:

Average throughput: 435.05 Mbit/s

95th percentile per-packet one-way delay: 309.656 ms

Loss rate: 3.91%

Run 1: Report of FillP-Sheep — Data Link

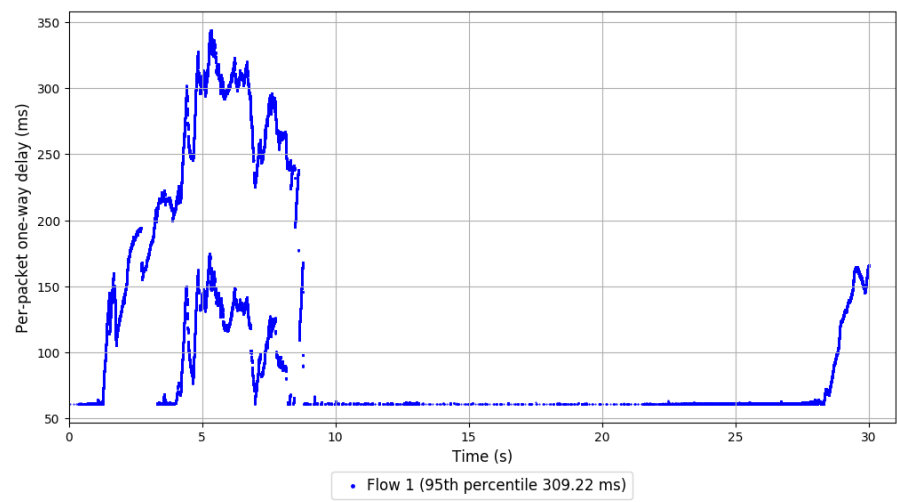
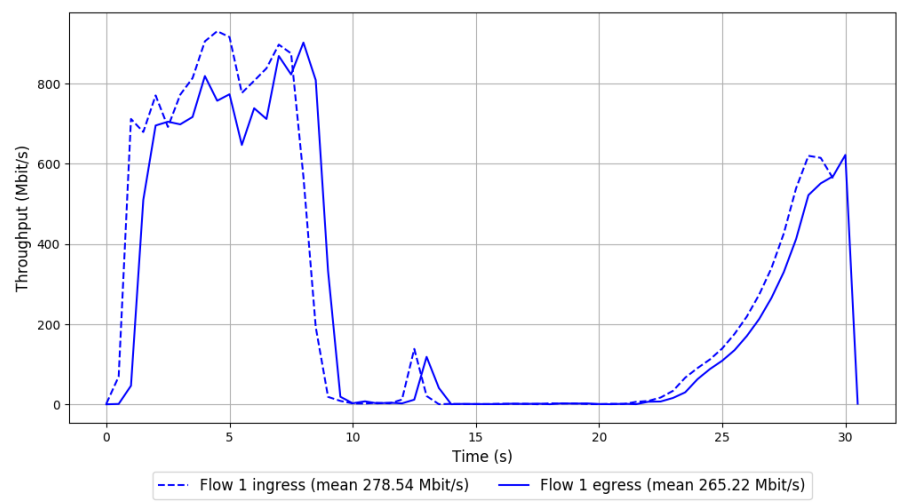


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-04 11:05:26
End at: 2018-07-04 11:05:56
Local clock offset: -0.031 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-04 14:58:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.22 Mbit/s
95th percentile per-packet one-way delay: 309.220 ms
Loss rate: 4.78%
-- Flow 1:
Average throughput: 265.22 Mbit/s
95th percentile per-packet one-way delay: 309.220 ms
Loss rate: 4.78%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-04 11:27:06

End at: 2018-07-04 11:27:36

Local clock offset: -0.012 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-07-04 14:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.24 Mbit/s

95th percentile per-packet one-way delay: 316.770 ms

Loss rate: 6.25%

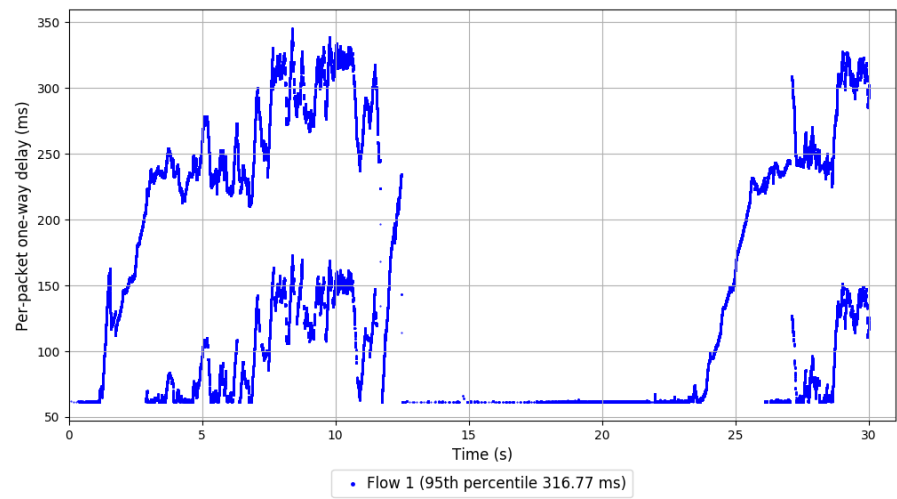
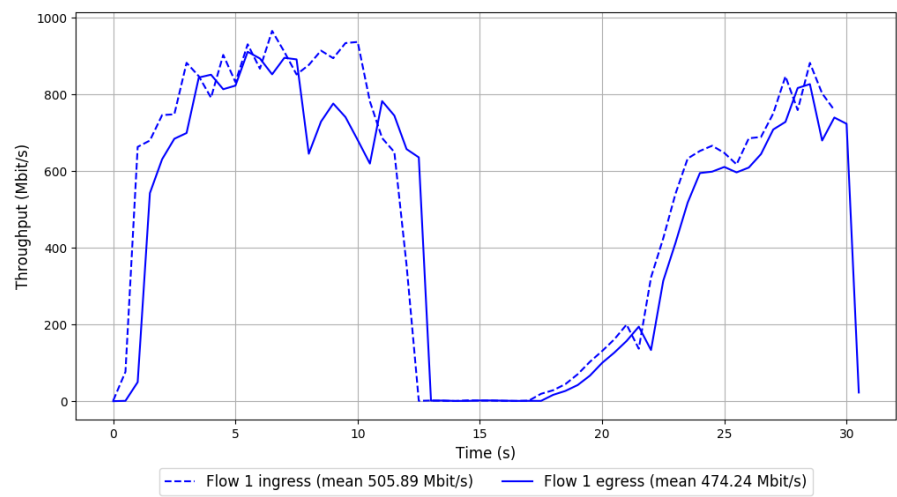
-- Flow 1:

Average throughput: 474.24 Mbit/s

95th percentile per-packet one-way delay: 316.770 ms

Loss rate: 6.25%

Run 3: Report of FillP-Sheep — Data Link

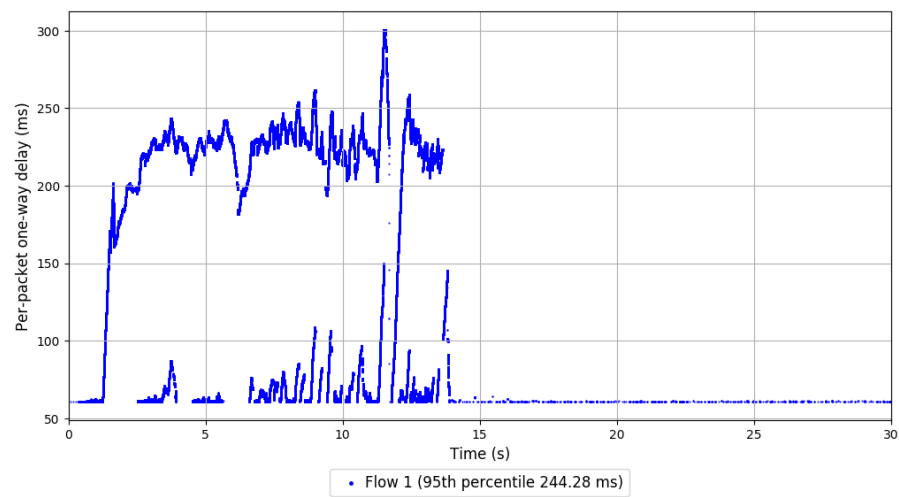
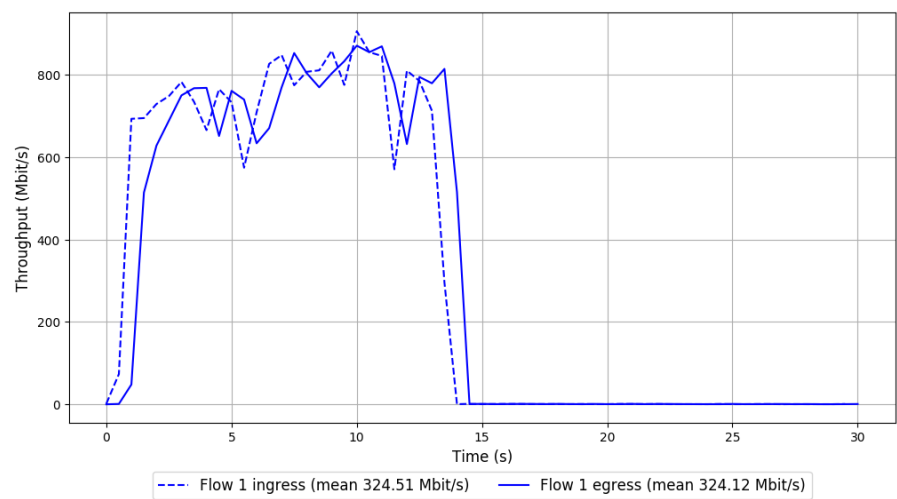


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-04 11:49:09
End at: 2018-07-04 11:49:39
Local clock offset: -0.057 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-04 14:58:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 324.12 Mbit/s
95th percentile per-packet one-way delay: 244.285 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 324.12 Mbit/s
95th percentile per-packet one-way delay: 244.285 ms
Loss rate: 0.12%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-04 12:11:24

End at: 2018-07-04 12:11:54

Local clock offset: -0.003 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-04 15:06:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 798.51 Mbit/s

95th percentile per-packet one-way delay: 281.980 ms

Loss rate: 1.70%

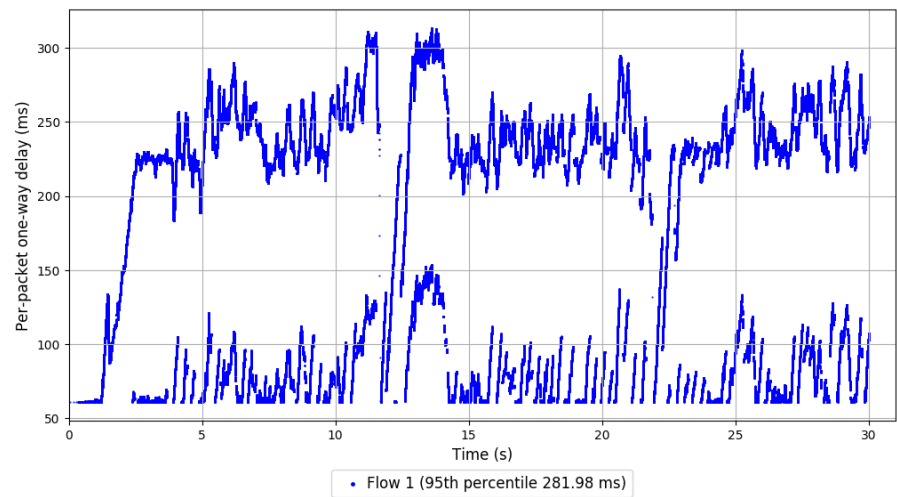
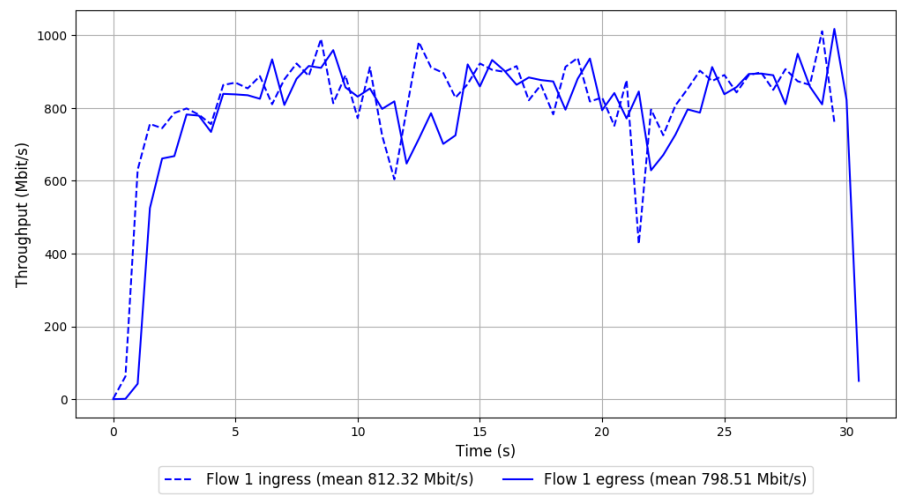
-- Flow 1:

Average throughput: 798.51 Mbit/s

95th percentile per-packet one-way delay: 281.980 ms

Loss rate: 1.70%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-04 12:34:08

End at: 2018-07-04 12:34:38

Local clock offset: 0.041 ms

Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-04 15:06:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.34 Mbit/s

95th percentile per-packet one-way delay: 283.233 ms

Loss rate: 2.30%

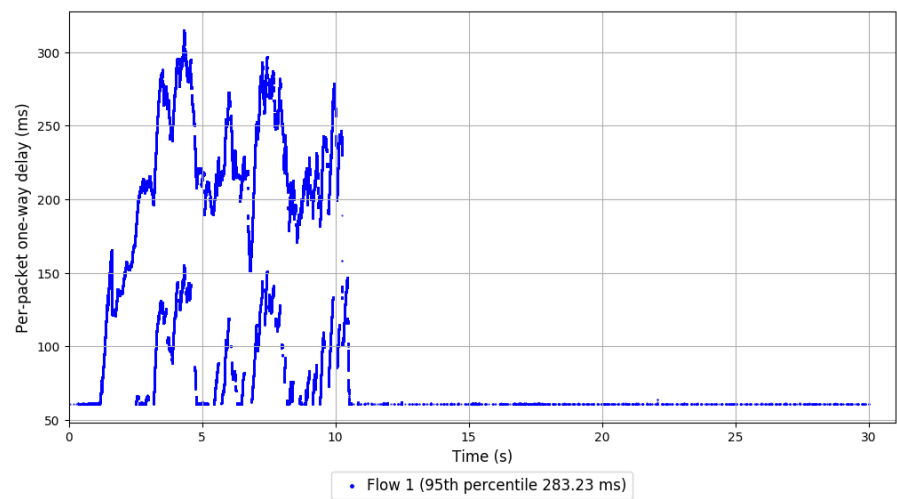
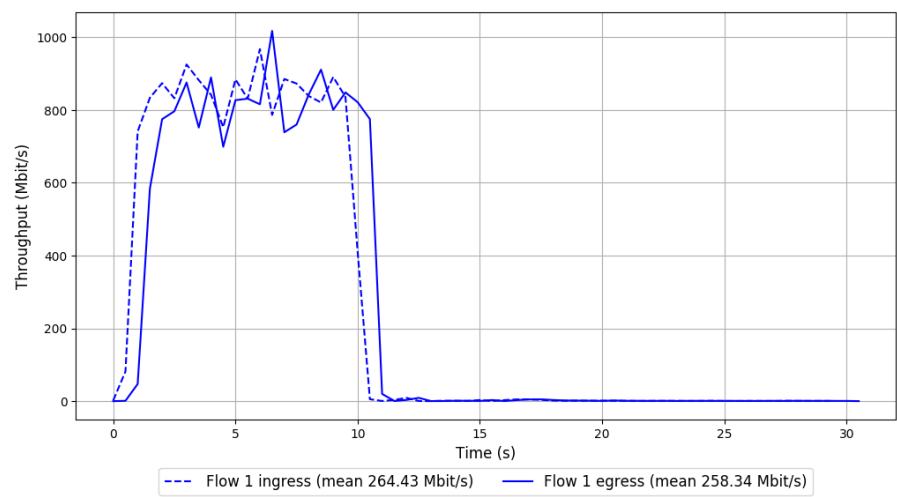
-- Flow 1:

Average throughput: 258.34 Mbit/s

95th percentile per-packet one-way delay: 283.233 ms

Loss rate: 2.30%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-04 12:55:54

End at: 2018-07-04 12:56:24

Local clock offset: -0.004 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2018-07-04 15:06:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.75 Mbit/s

95th percentile per-packet one-way delay: 254.683 ms

Loss rate: 0.05%

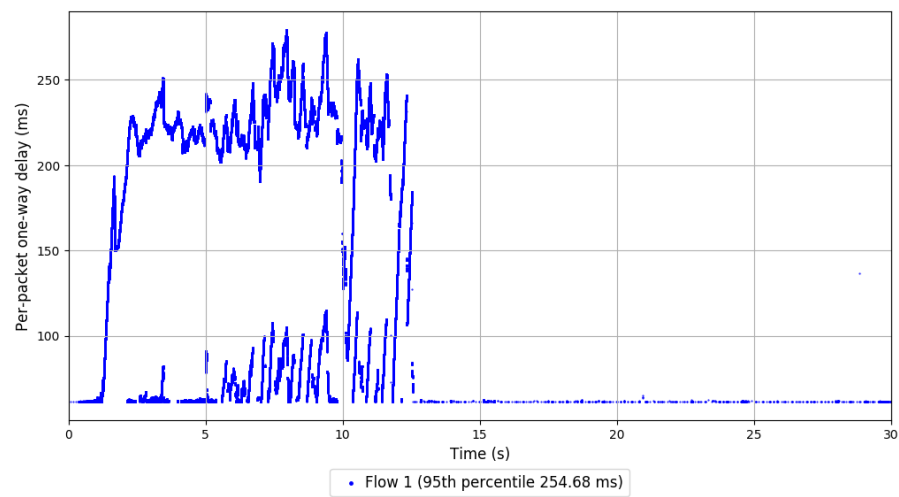
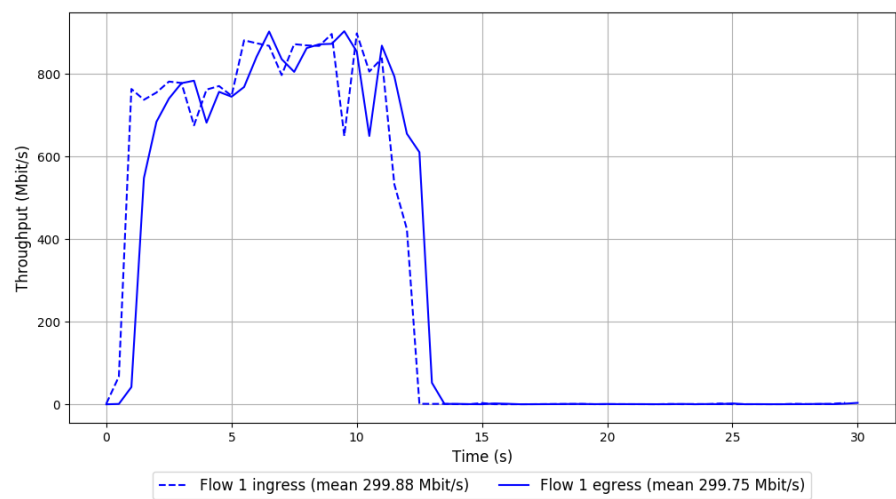
-- Flow 1:

Average throughput: 299.75 Mbit/s

95th percentile per-packet one-way delay: 254.683 ms

Loss rate: 0.05%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-04 13:17:36

End at: 2018-07-04 13:18:06

Local clock offset: -0.036 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-04 15:09:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 611.82 Mbit/s

95th percentile per-packet one-way delay: 240.036 ms

Loss rate: 0.93%

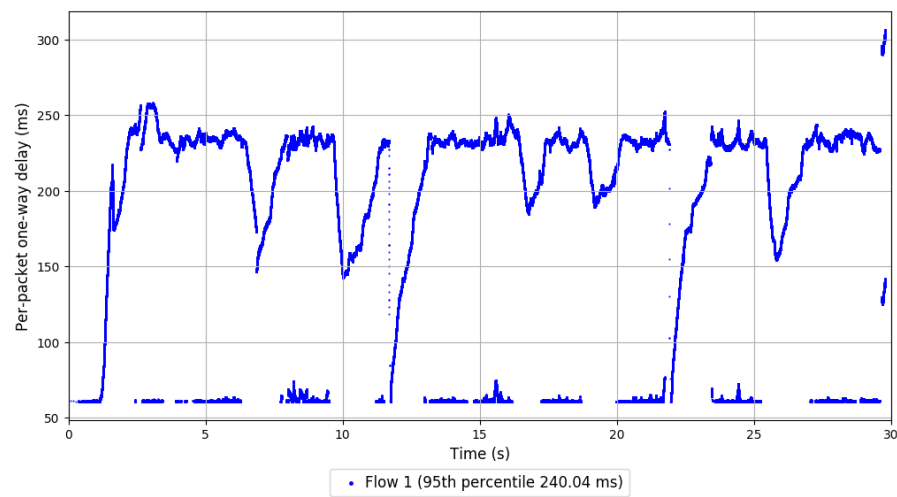
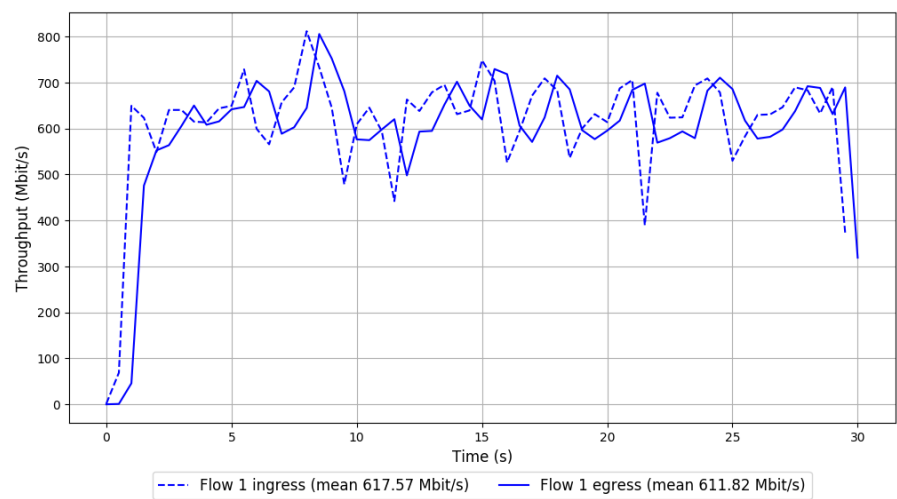
-- Flow 1:

Average throughput: 611.82 Mbit/s

95th percentile per-packet one-way delay: 240.036 ms

Loss rate: 0.93%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-04 13:39:37

End at: 2018-07-04 13:40:07

Local clock offset: 0.014 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-07-04 15:09:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.21 Mbit/s

95th percentile per-packet one-way delay: 249.197 ms

Loss rate: 0.07%

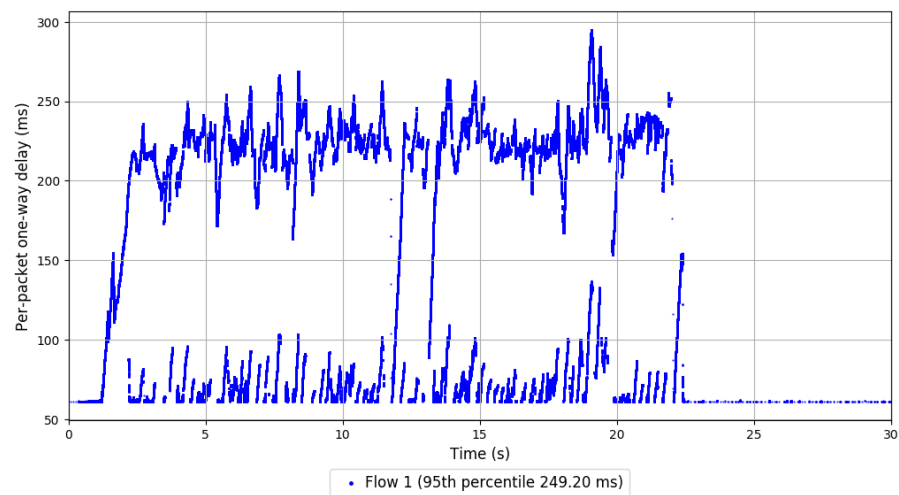
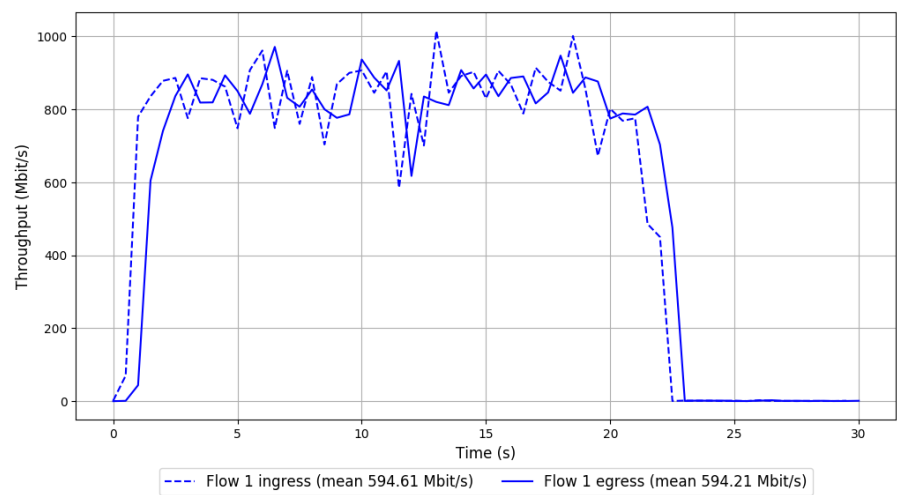
-- Flow 1:

Average throughput: 594.21 Mbit/s

95th percentile per-packet one-way delay: 249.197 ms

Loss rate: 0.07%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-04 14:01:31

End at: 2018-07-04 14:02:01

Local clock offset: -0.072 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-07-04 15:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 771.50 Mbit/s

95th percentile per-packet one-way delay: 311.412 ms

Loss rate: 4.36%

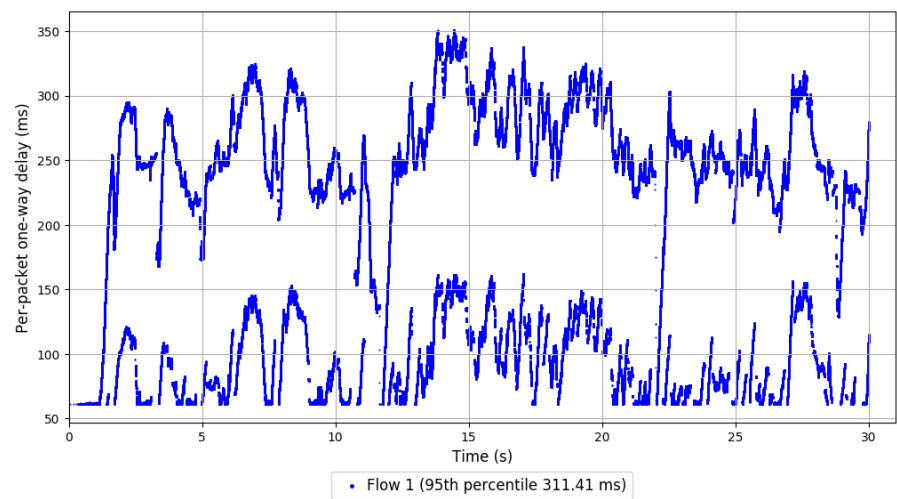
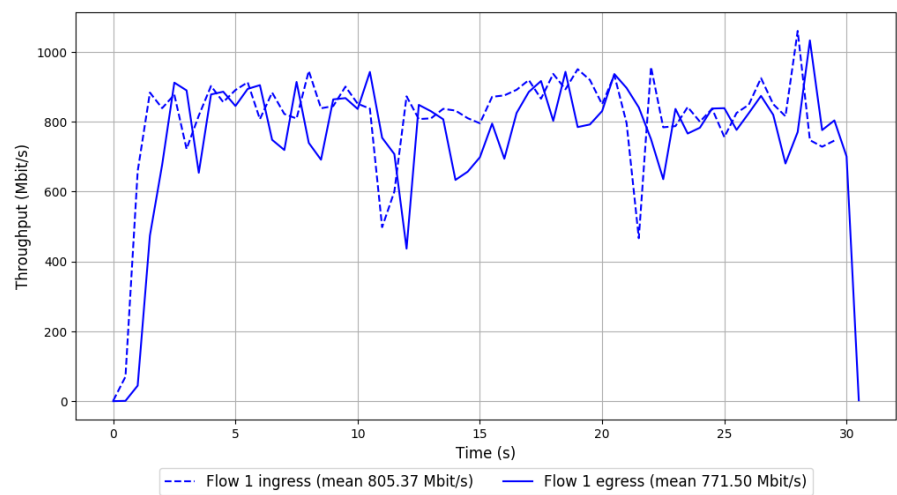
-- Flow 1:

Average throughput: 771.50 Mbit/s

95th percentile per-packet one-way delay: 311.412 ms

Loss rate: 4.36%

Run 10: Report of FillP-Sheep — Data Link

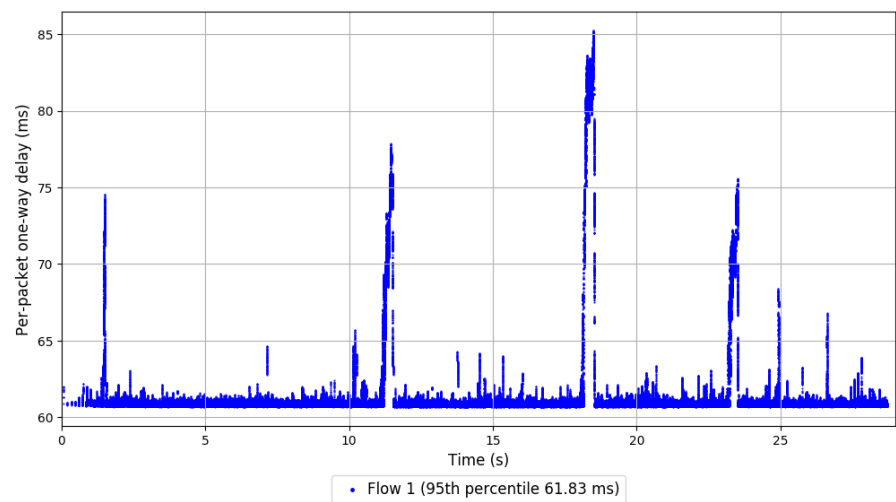
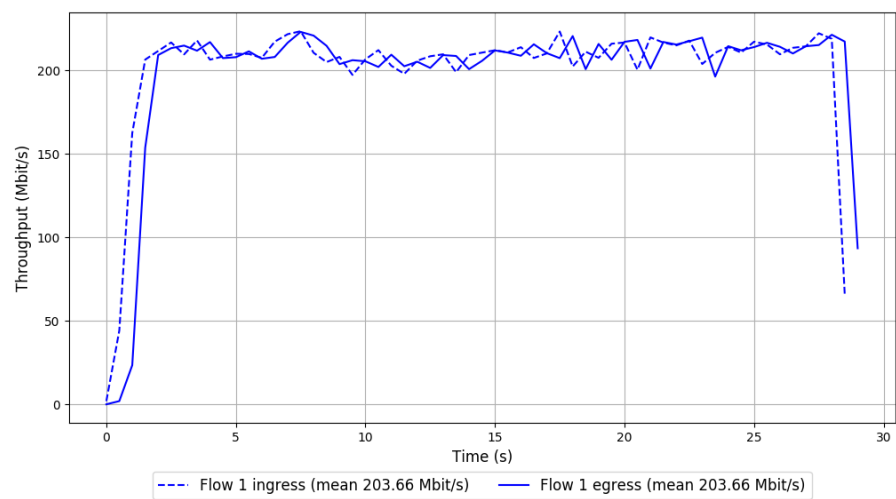


Run 1: Statistics of Indigo

Start at: 2018-07-04 10:37:10
End at: 2018-07-04 10:37:40
Local clock offset: -0.091 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-07-04 15:14:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.66 Mbit/s
95th percentile per-packet one-way delay: 61.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.66 Mbit/s
95th percentile per-packet one-way delay: 61.833 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-04 10:58:44

End at: 2018-07-04 10:59:14

Local clock offset: -0.026 ms

Remote clock offset: 1.147 ms

Below is generated by plot.py at 2018-07-04 15:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.50 Mbit/s

95th percentile per-packet one-way delay: 62.662 ms

Loss rate: 0.00%

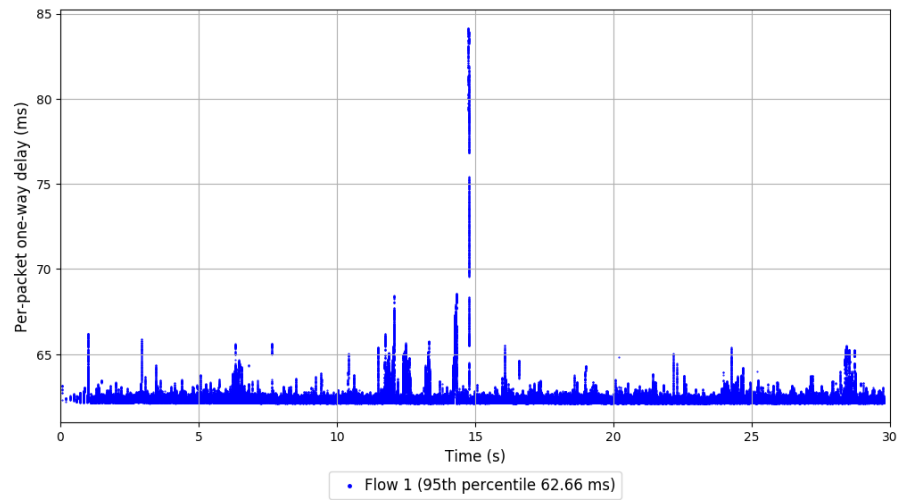
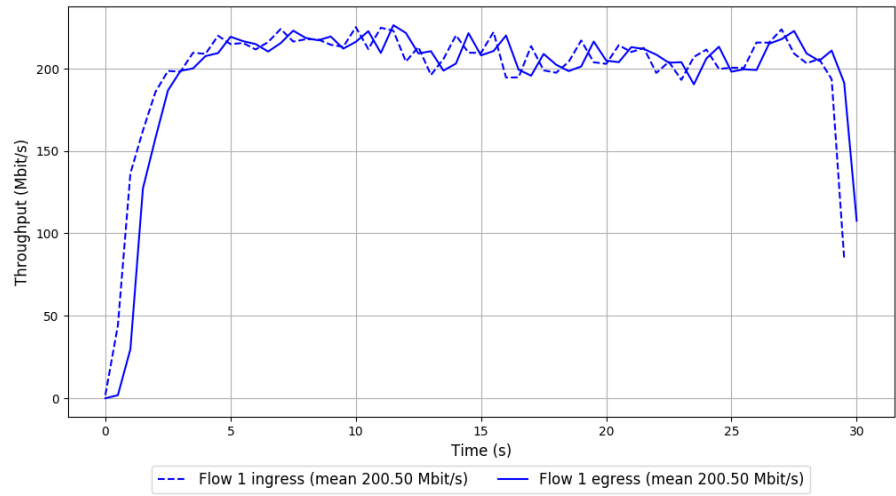
-- Flow 1:

Average throughput: 200.50 Mbit/s

95th percentile per-packet one-way delay: 62.662 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-04 11:20:24

End at: 2018-07-04 11:20:54

Local clock offset: 0.002 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-04 15:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.32 Mbit/s

95th percentile per-packet one-way delay: 61.309 ms

Loss rate: 0.00%

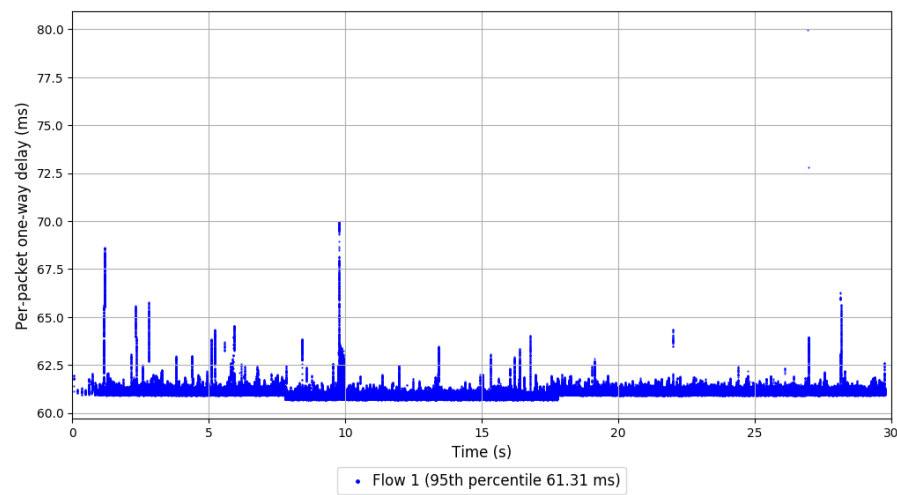
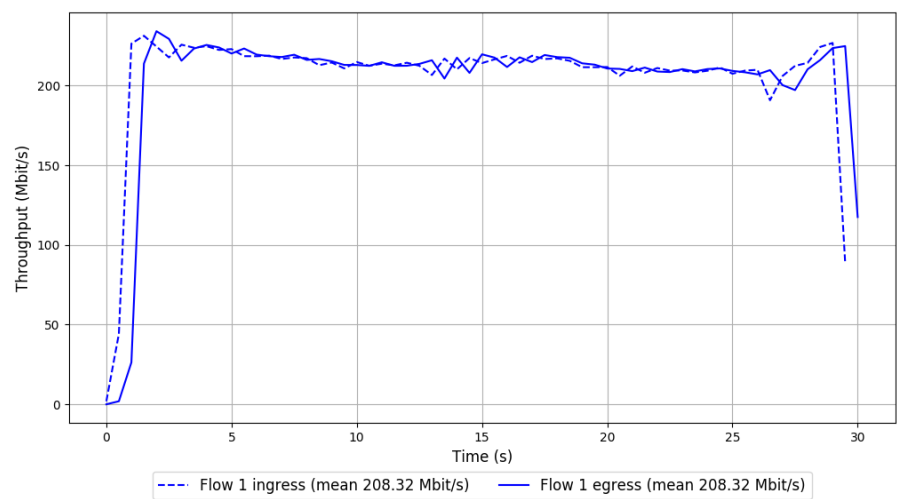
-- Flow 1:

Average throughput: 208.32 Mbit/s

95th percentile per-packet one-way delay: 61.309 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

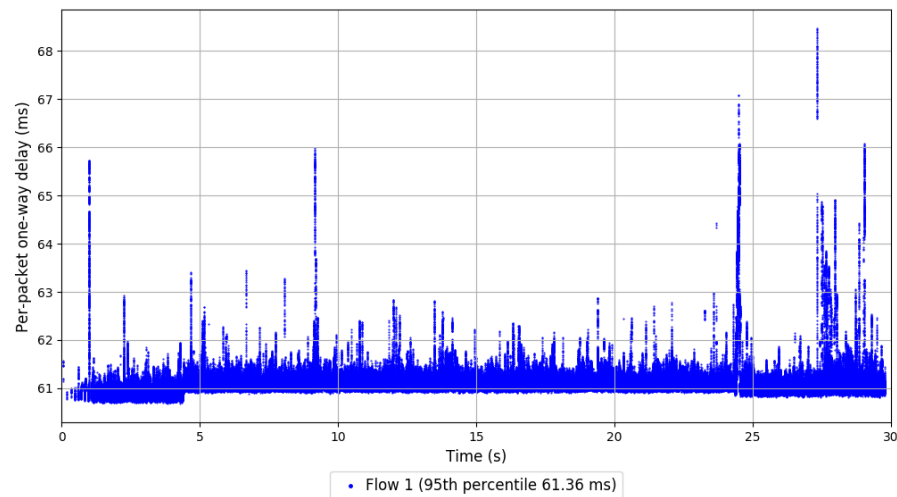
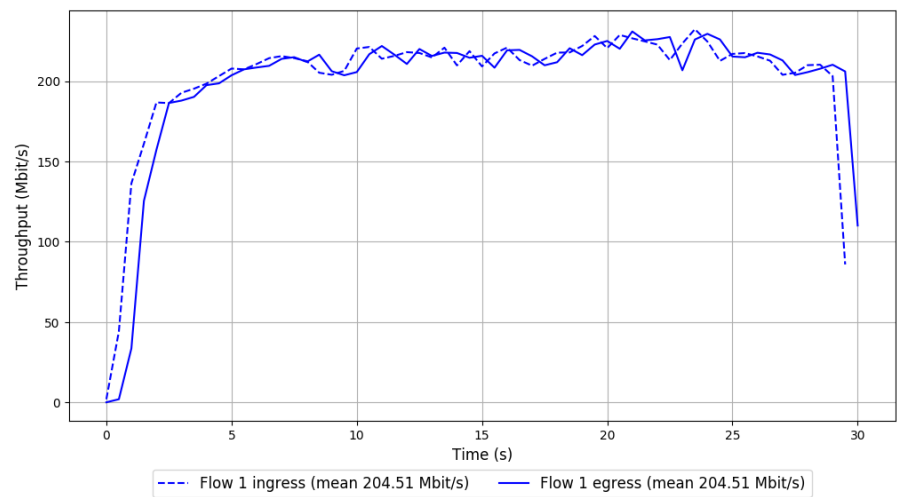


Run 4: Statistics of Indigo

Start at: 2018-07-04 11:42:08
End at: 2018-07-04 11:42:38
Local clock offset: -0.008 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-04 15:14:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.51 Mbit/s
95th percentile per-packet one-way delay: 61.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.51 Mbit/s
95th percentile per-packet one-way delay: 61.364 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-04 12:04:35

End at: 2018-07-04 12:05:05

Local clock offset: -0.03 ms

Remote clock offset: 1.23 ms

Below is generated by plot.py at 2018-07-04 15:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.28 Mbit/s

95th percentile per-packet one-way delay: 62.716 ms

Loss rate: 0.00%

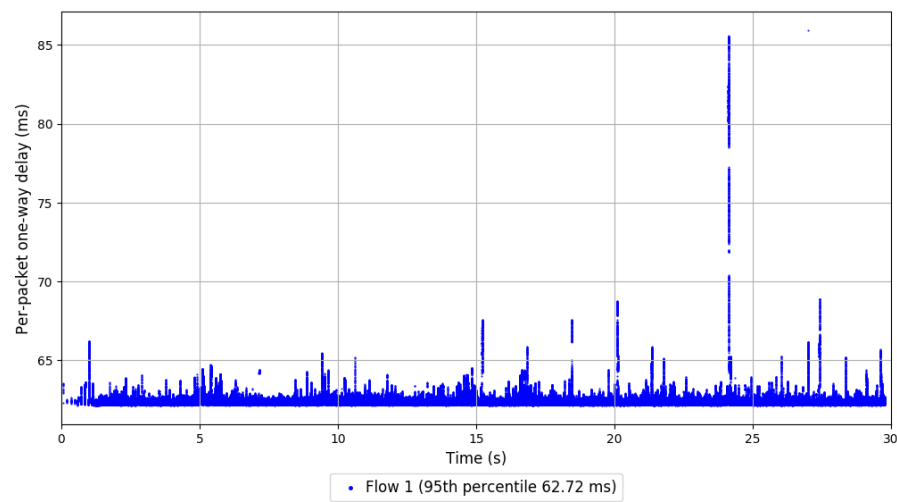
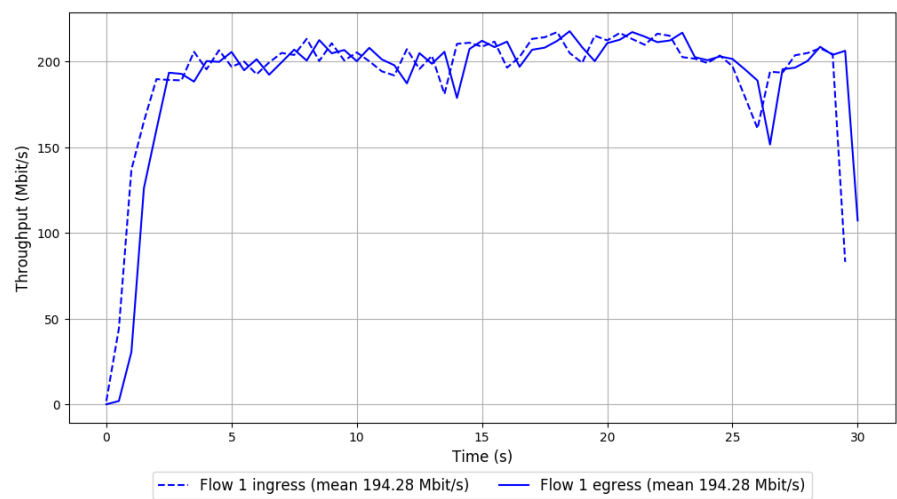
-- Flow 1:

Average throughput: 194.28 Mbit/s

95th percentile per-packet one-way delay: 62.716 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-04 12:27:28

End at: 2018-07-04 12:27:58

Local clock offset: 0.01 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-04 15:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.32 Mbit/s

95th percentile per-packet one-way delay: 61.734 ms

Loss rate: 0.00%

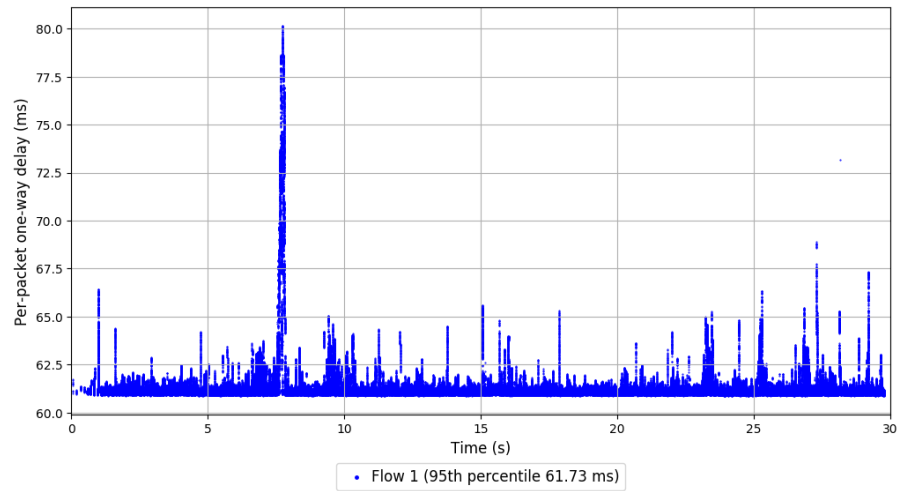
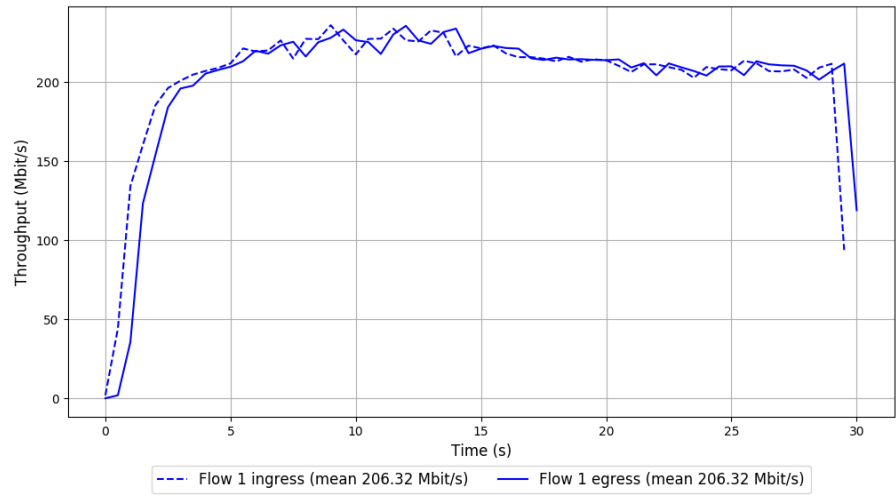
-- Flow 1:

Average throughput: 206.32 Mbit/s

95th percentile per-packet one-way delay: 61.734 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-04 12:49:13

End at: 2018-07-04 12:49:43

Local clock offset: 0.006 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-07-04 15:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.91 Mbit/s

95th percentile per-packet one-way delay: 61.391 ms

Loss rate: 0.00%

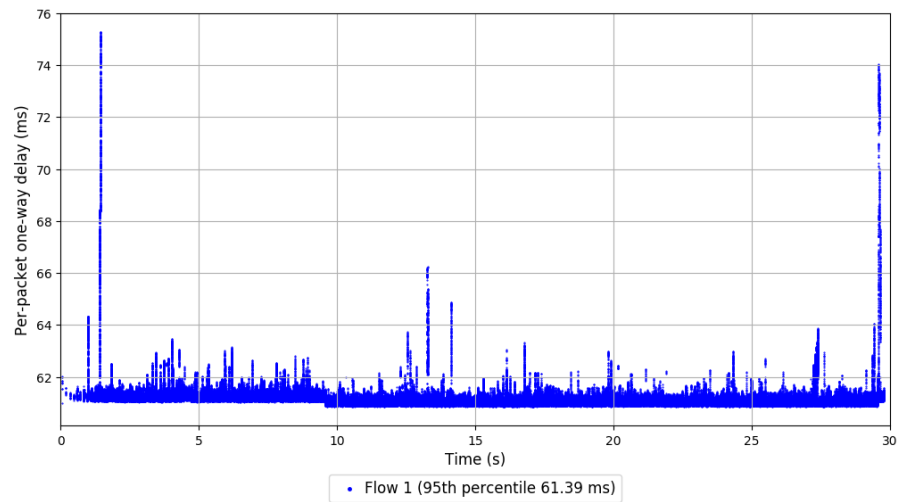
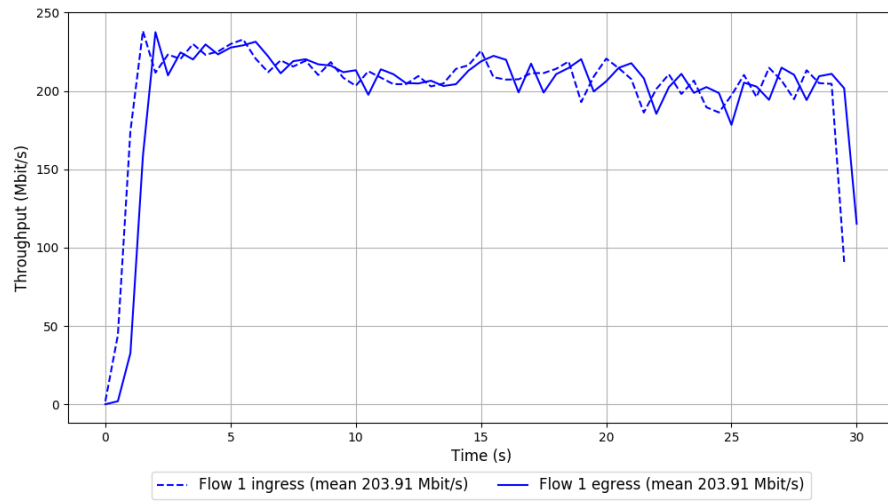
-- Flow 1:

Average throughput: 203.91 Mbit/s

95th percentile per-packet one-way delay: 61.391 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-04 13:10:54

End at: 2018-07-04 13:11:24

Local clock offset: -0.029 ms

Remote clock offset: 1.397 ms

Below is generated by plot.py at 2018-07-04 15:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.22 Mbit/s

95th percentile per-packet one-way delay: 62.796 ms

Loss rate: 0.00%

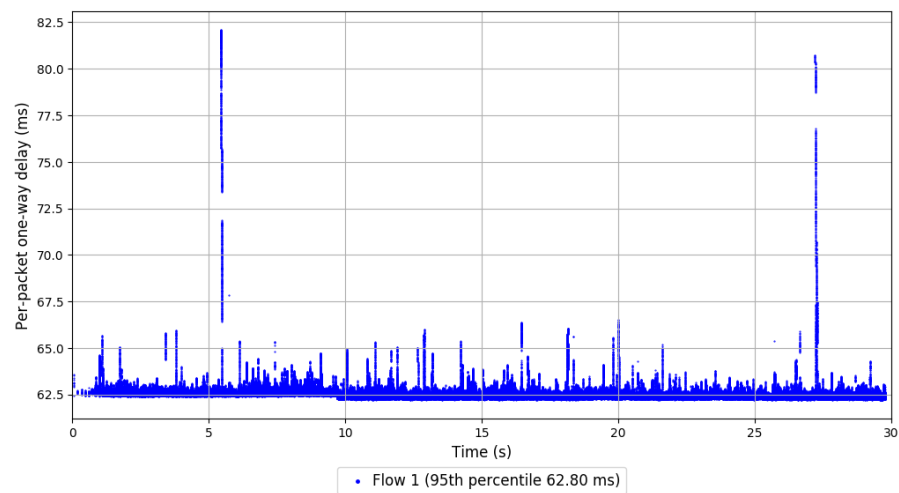
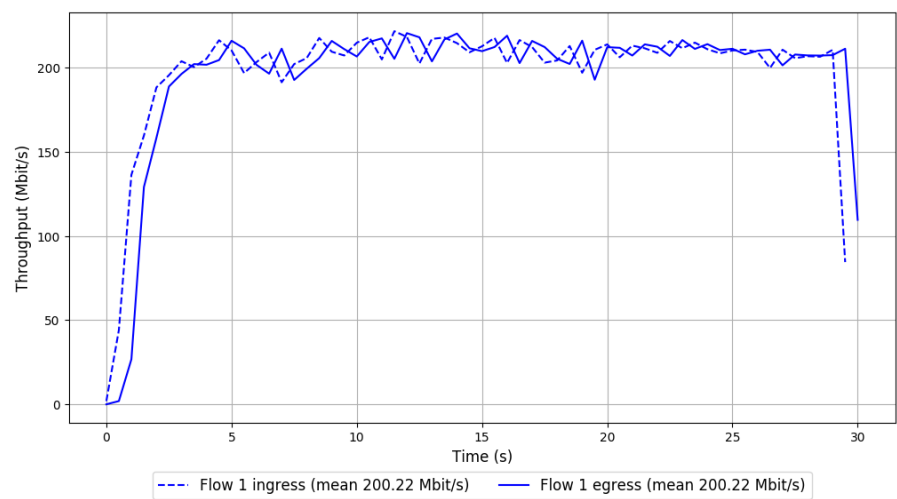
-- Flow 1:

Average throughput: 200.22 Mbit/s

95th percentile per-packet one-way delay: 62.796 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-04 13:32:55

End at: 2018-07-04 13:33:25

Local clock offset: 0.005 ms

Remote clock offset: 1.168 ms

Below is generated by plot.py at 2018-07-04 15:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.98 Mbit/s

95th percentile per-packet one-way delay: 63.429 ms

Loss rate: 0.00%

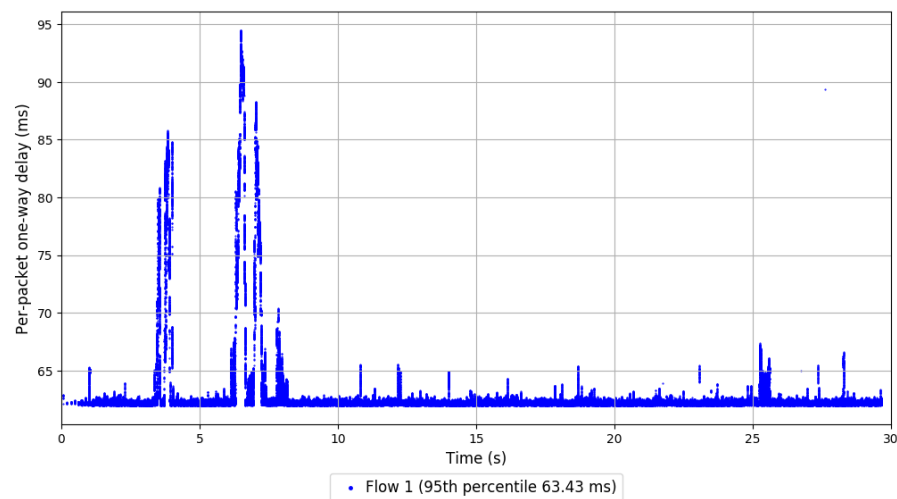
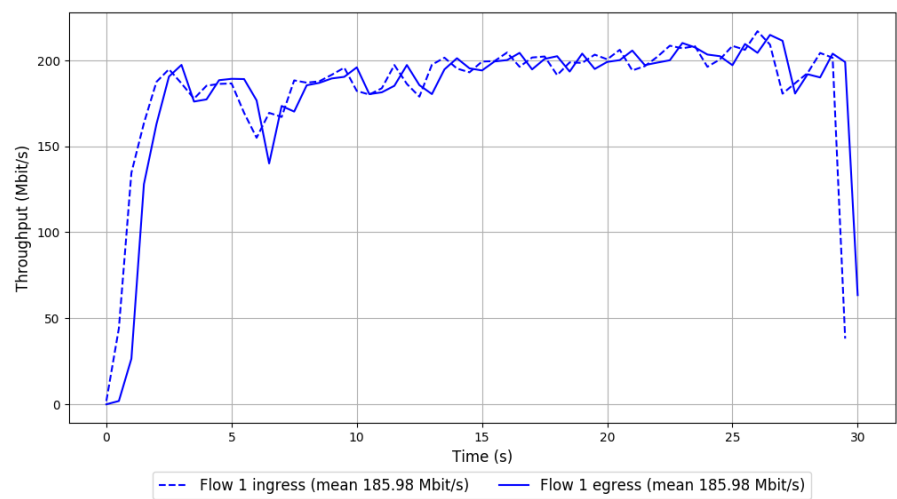
-- Flow 1:

Average throughput: 185.98 Mbit/s

95th percentile per-packet one-way delay: 63.429 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-04 13:54:49

End at: 2018-07-04 13:55:19

Local clock offset: -0.025 ms

Remote clock offset: 1.337 ms

Below is generated by plot.py at 2018-07-04 15:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.54 Mbit/s

95th percentile per-packet one-way delay: 62.634 ms

Loss rate: 0.00%

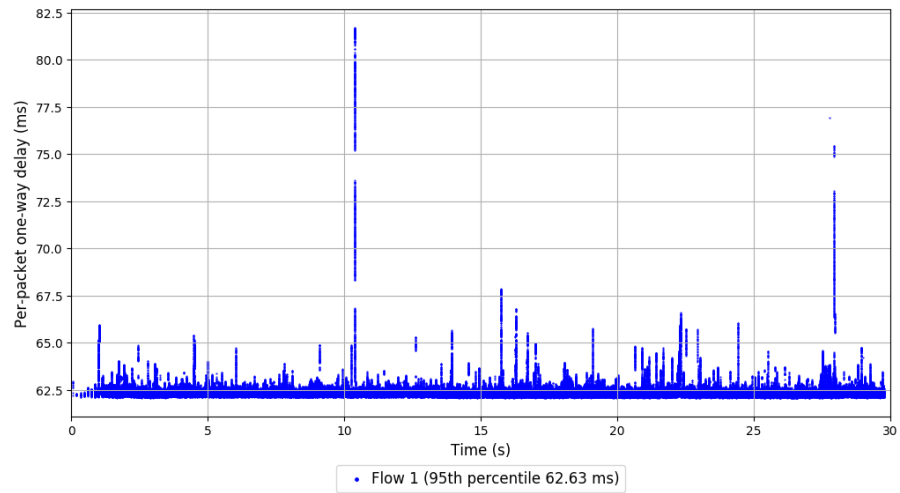
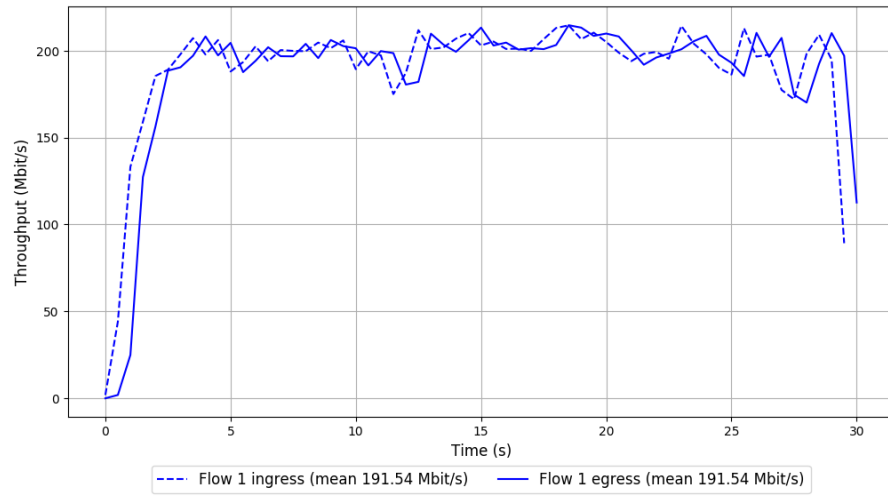
-- Flow 1:

Average throughput: 191.54 Mbit/s

95th percentile per-packet one-way delay: 62.634 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

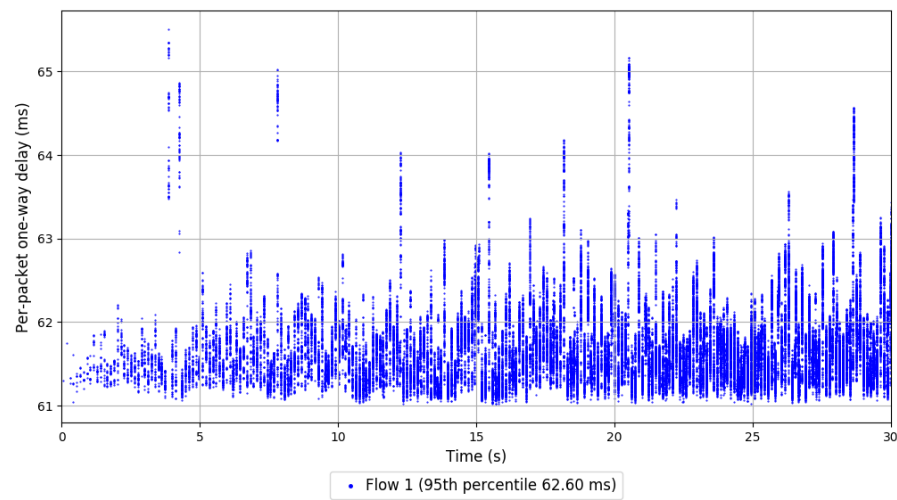
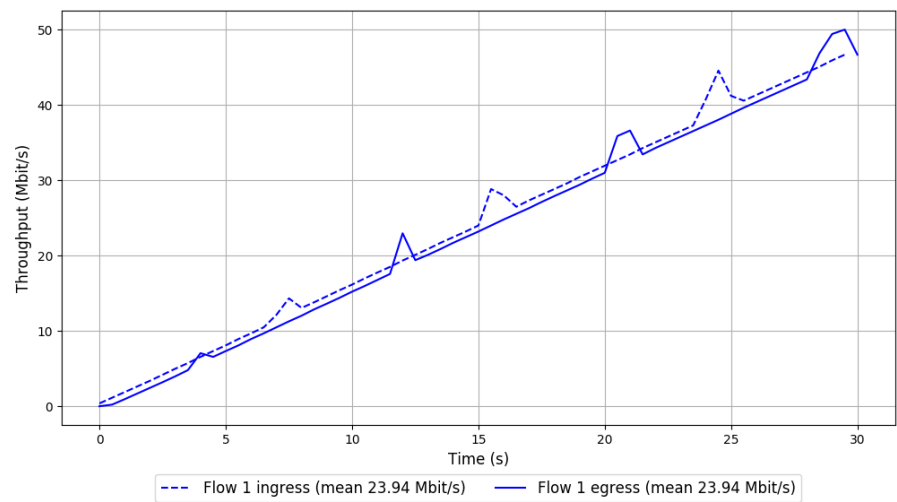


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-04 10:46:22
End at: 2018-07-04 10:46:52
Local clock offset: -0.107 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-07-04 15:14:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 62.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 62.602 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

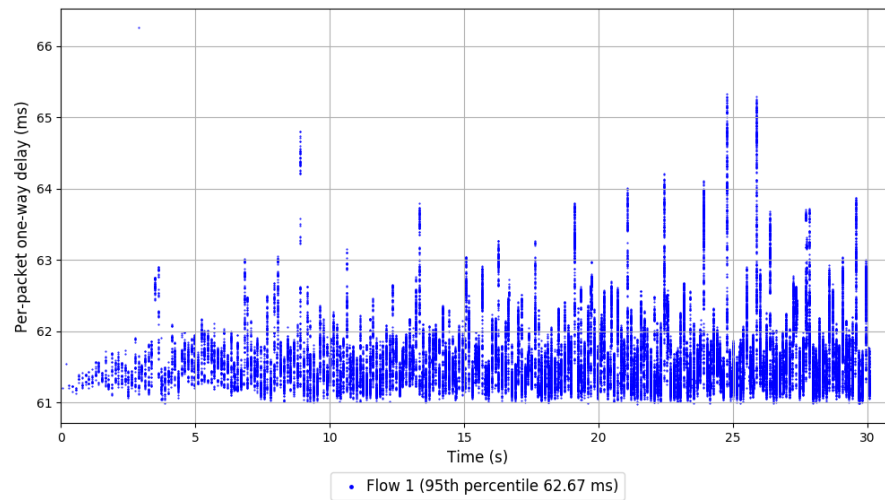
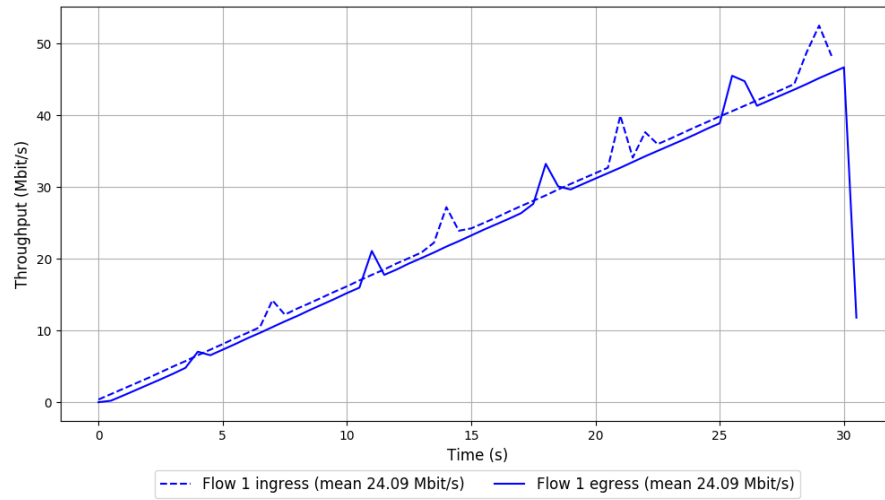


Run 2: Statistics of LEDBAT

Start at: 2018-07-04 11:07:50
End at: 2018-07-04 11:08:20
Local clock offset: -0.014 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-04 15:14:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 62.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 62.668 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-04 11:29:40

End at: 2018-07-04 11:30:10

Local clock offset: -0.007 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-07-04 15:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 62.633 ms

Loss rate: 0.00%

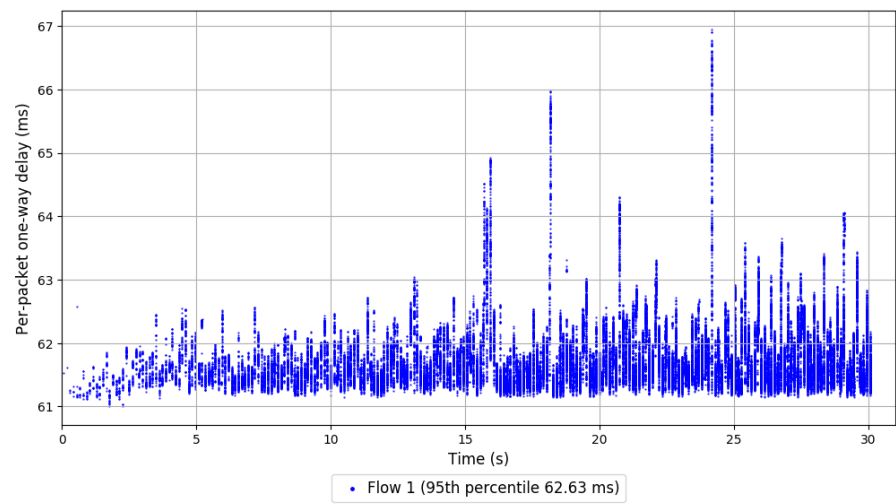
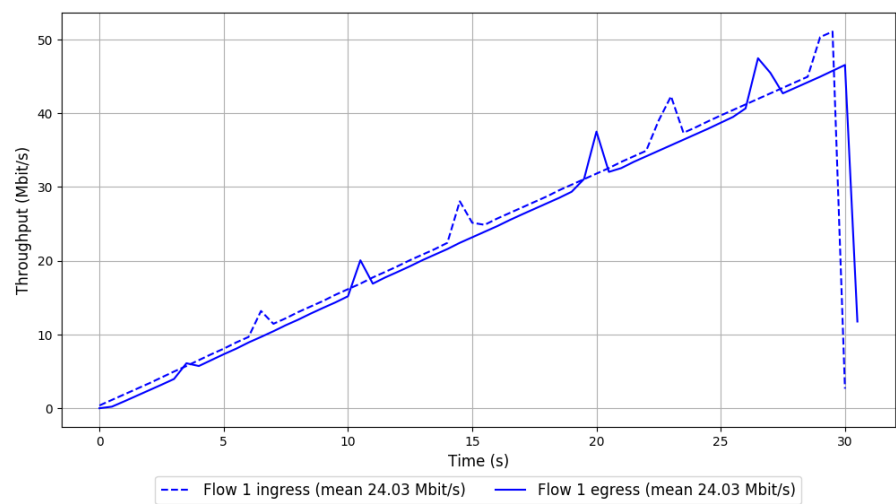
-- Flow 1:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 62.633 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-04 11:51:36

End at: 2018-07-04 11:52:06

Local clock offset: -0.052 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-04 15:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.22 Mbit/s

95th percentile per-packet one-way delay: 63.204 ms

Loss rate: 0.00%

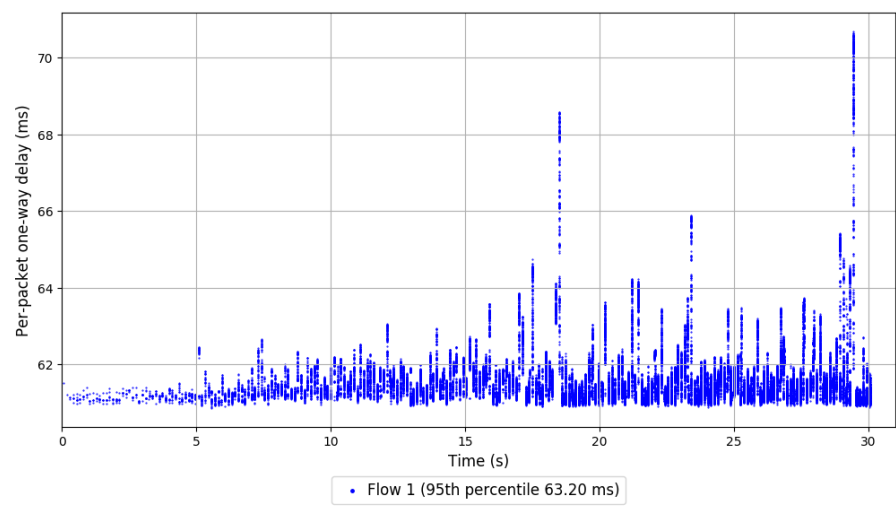
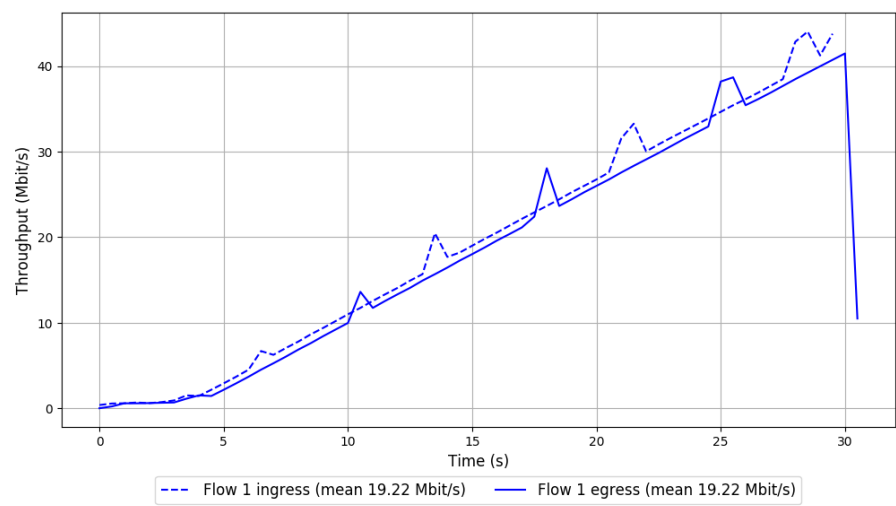
-- Flow 1:

Average throughput: 19.22 Mbit/s

95th percentile per-packet one-way delay: 63.204 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

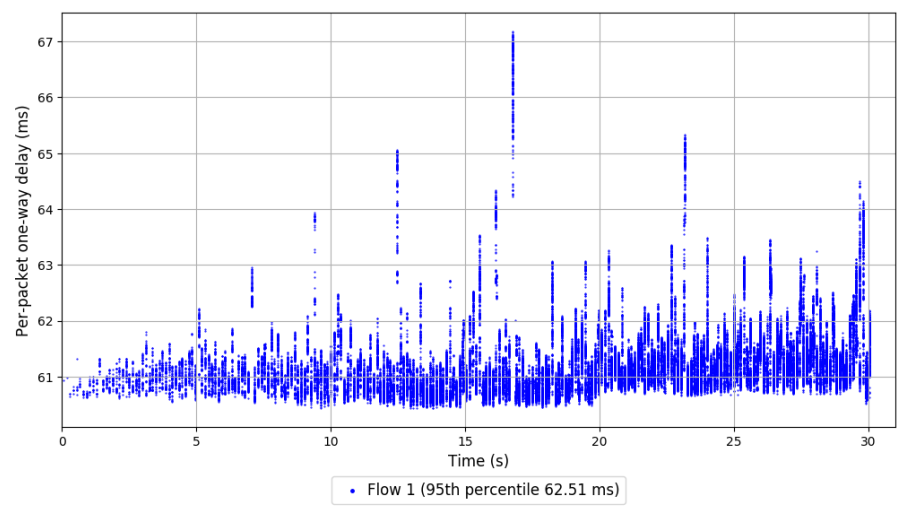
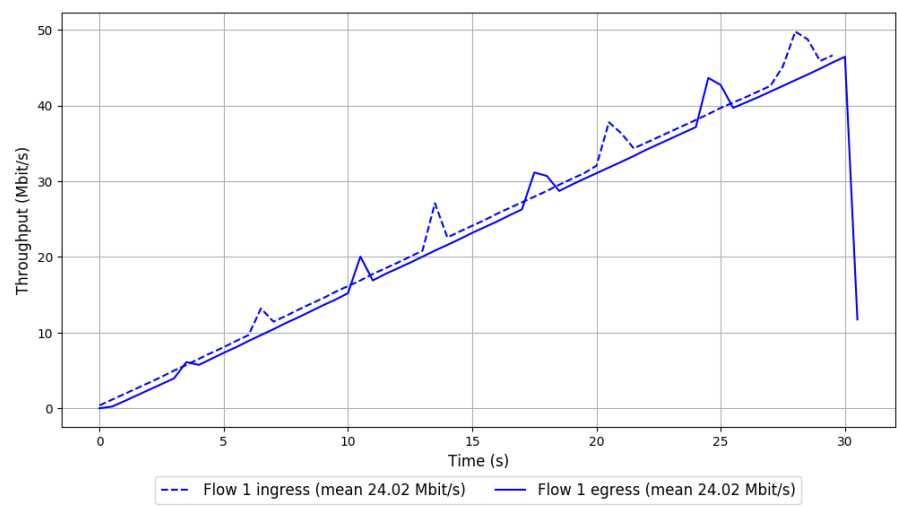


Run 5: Statistics of LEDBAT

Start at: 2018-07-04 12:14:43
End at: 2018-07-04 12:15:13
Local clock offset: -0.053 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-07-04 15:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 62.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 62.507 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-04 12:36:31

End at: 2018-07-04 12:37:02

Local clock offset: -0.004 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-07-04 15:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 62.968 ms

Loss rate: 0.00%

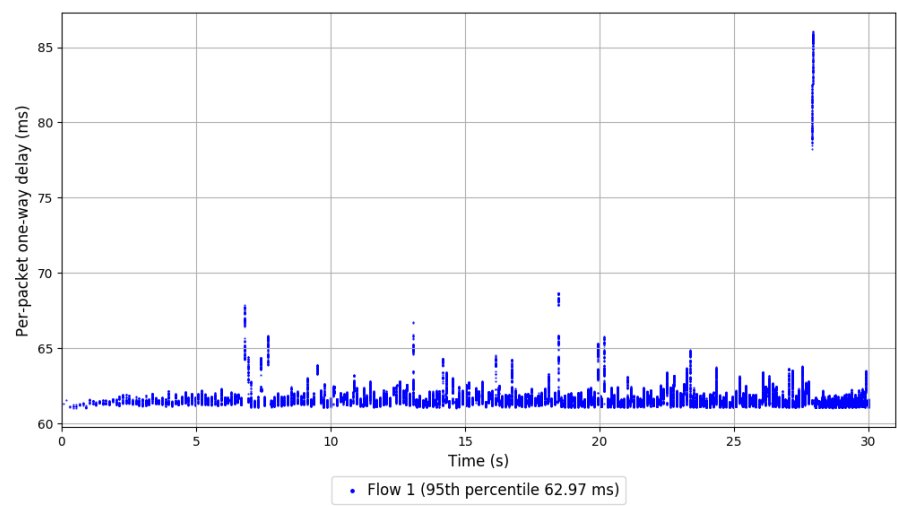
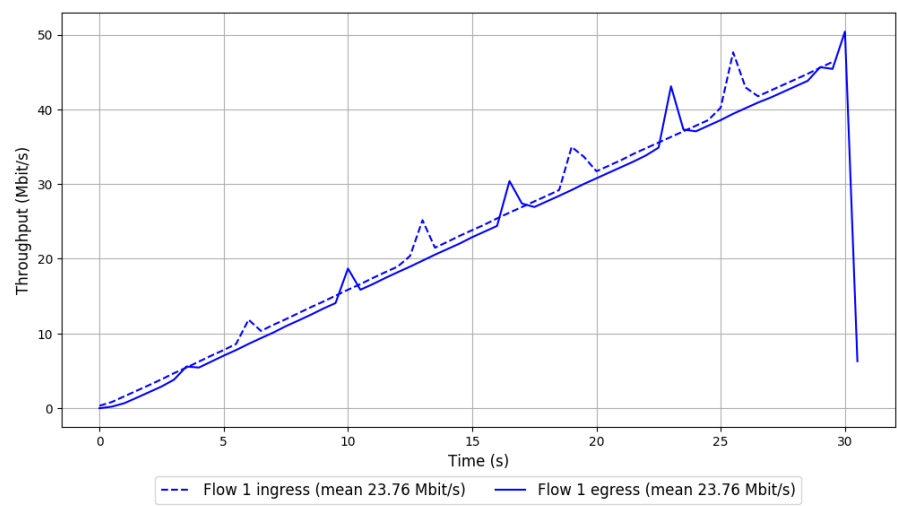
-- Flow 1:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 62.968 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-04 12:58:20

End at: 2018-07-04 12:58:50

Local clock offset: -0.001 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-04 15:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 62.491 ms

Loss rate: 0.00%

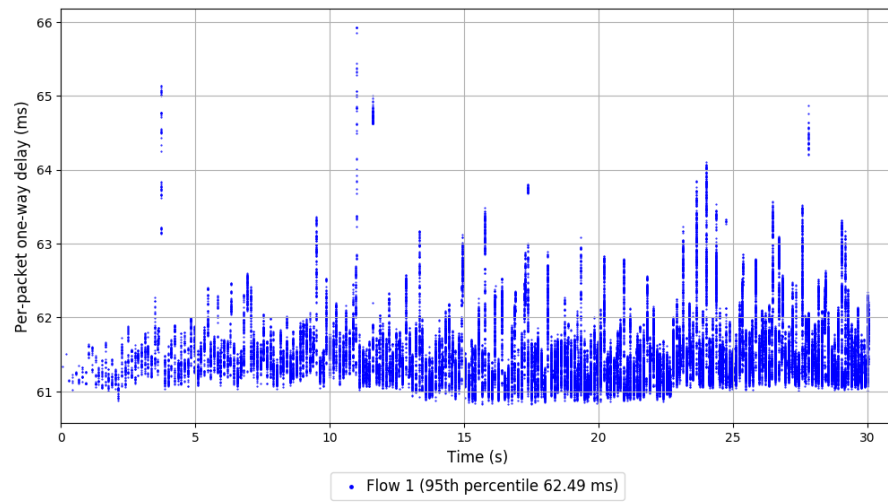
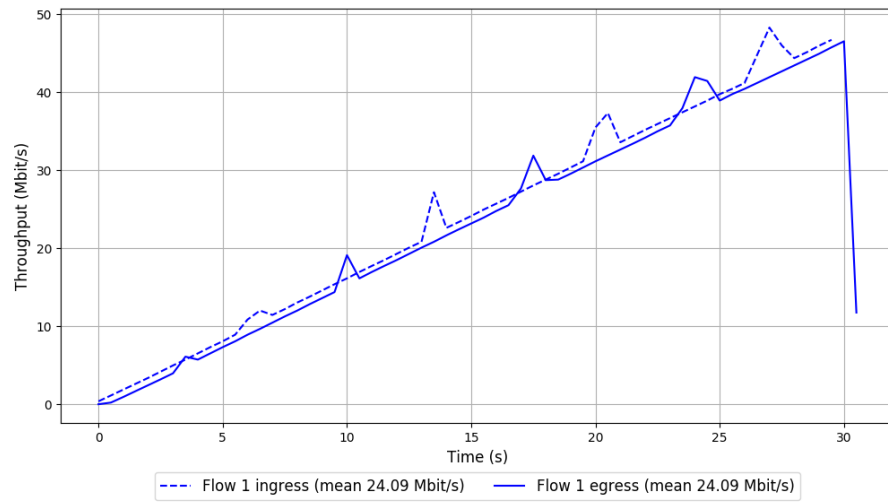
-- Flow 1:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 62.491 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

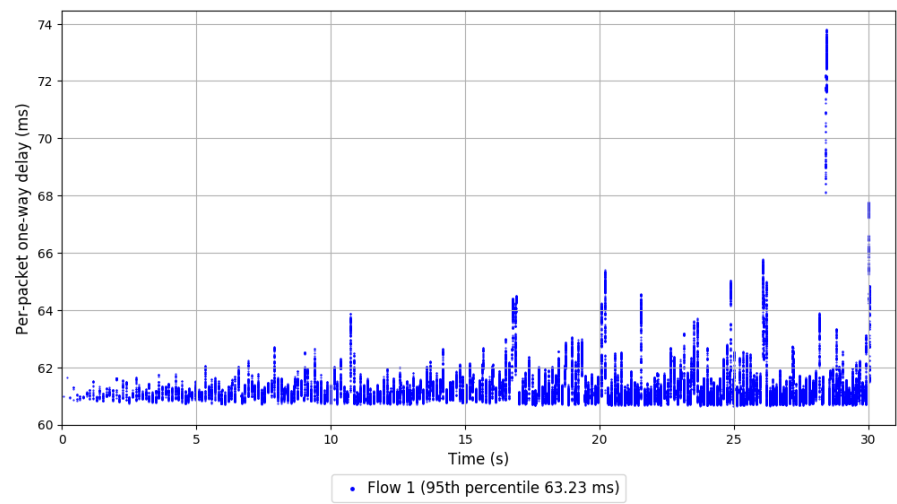
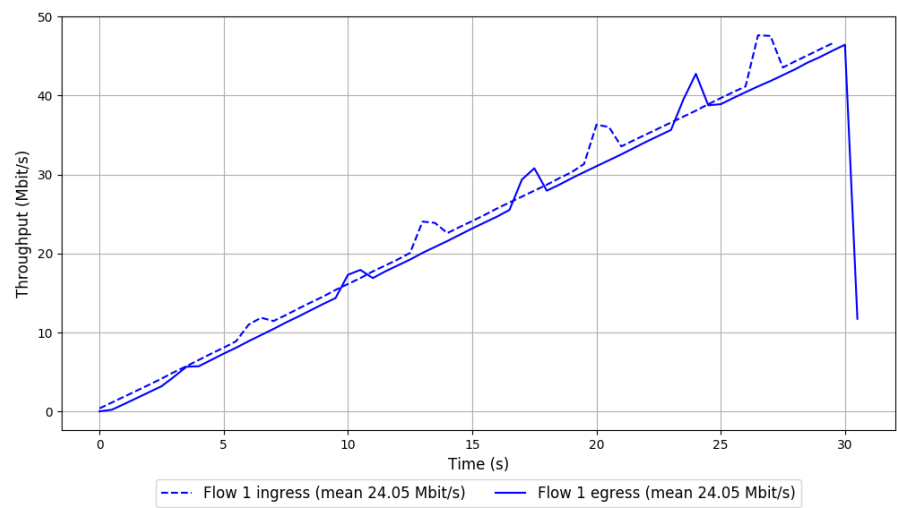


Run 8: Statistics of LEDBAT

Start at: 2018-07-04 13:20:15
End at: 2018-07-04 13:20:45
Local clock offset: -0.027 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-04 15:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 63.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 63.227 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-04 13:42:17

End at: 2018-07-04 13:42:47

Local clock offset: -0.018 ms

Remote clock offset: 1.169 ms

Below is generated by plot.py at 2018-07-04 15:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.06 Mbit/s

95th percentile per-packet one-way delay: 63.689 ms

Loss rate: 0.00%

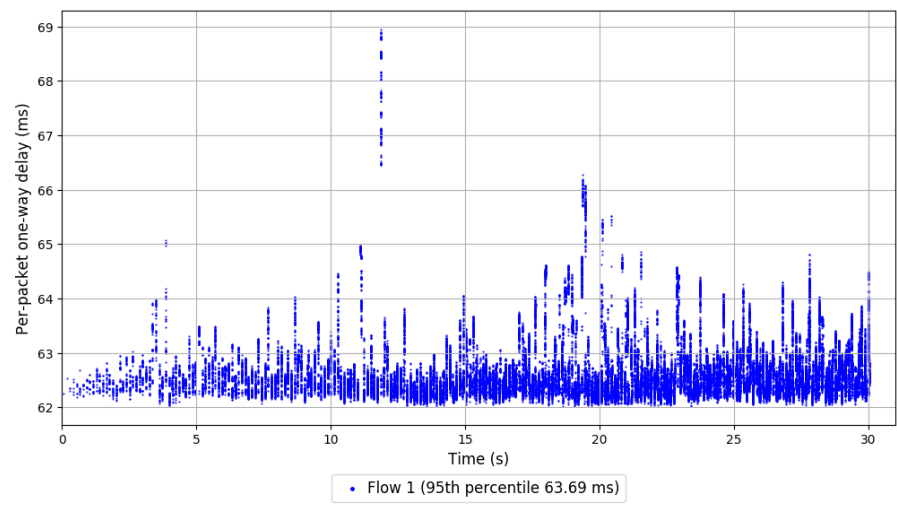
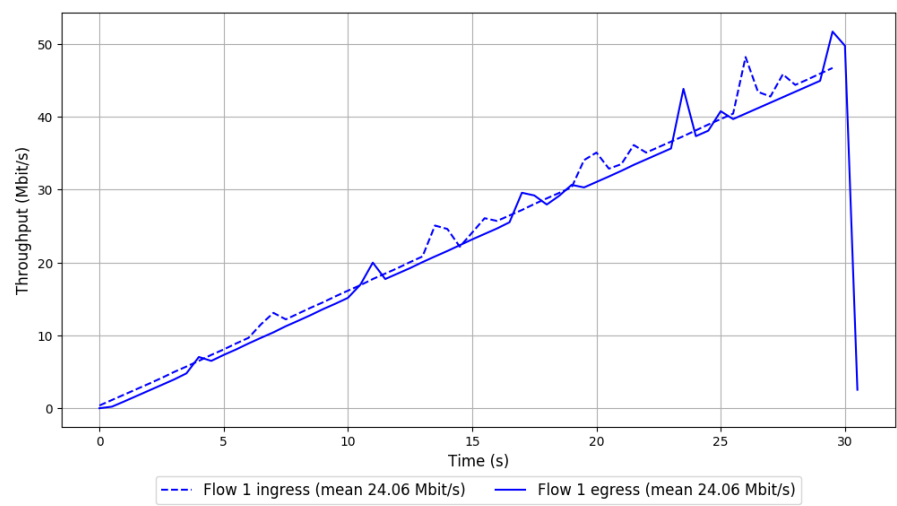
-- Flow 1:

Average throughput: 24.06 Mbit/s

95th percentile per-packet one-way delay: 63.689 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

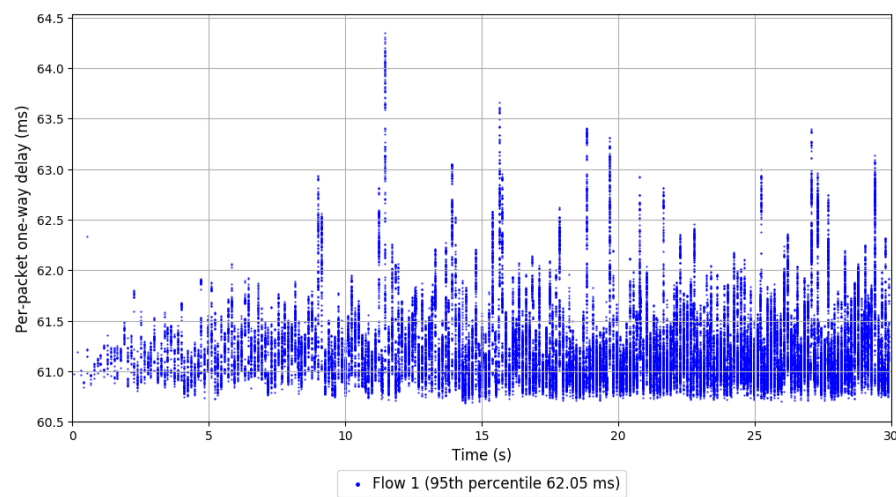
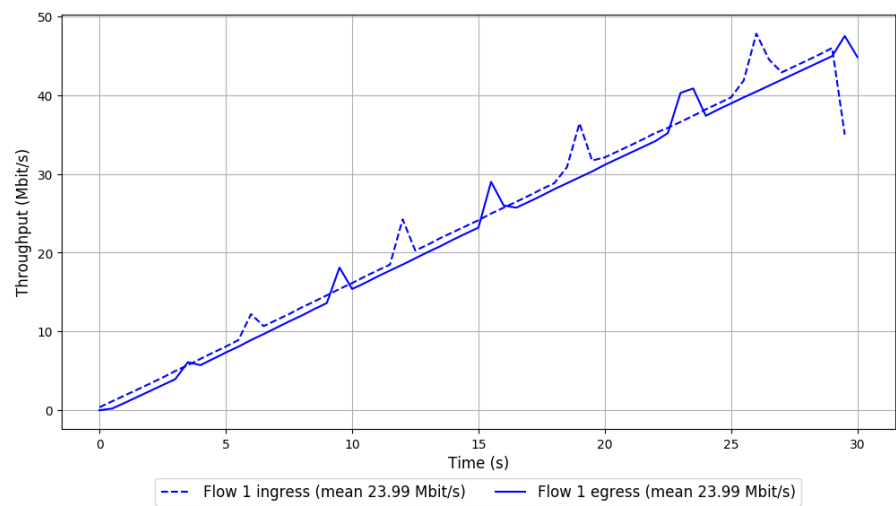


Run 10: Statistics of LEDBAT

Start at: 2018-07-04 14:04:23
End at: 2018-07-04 14:04:53
Local clock offset: -0.014 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-04 15:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 62.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 62.052 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

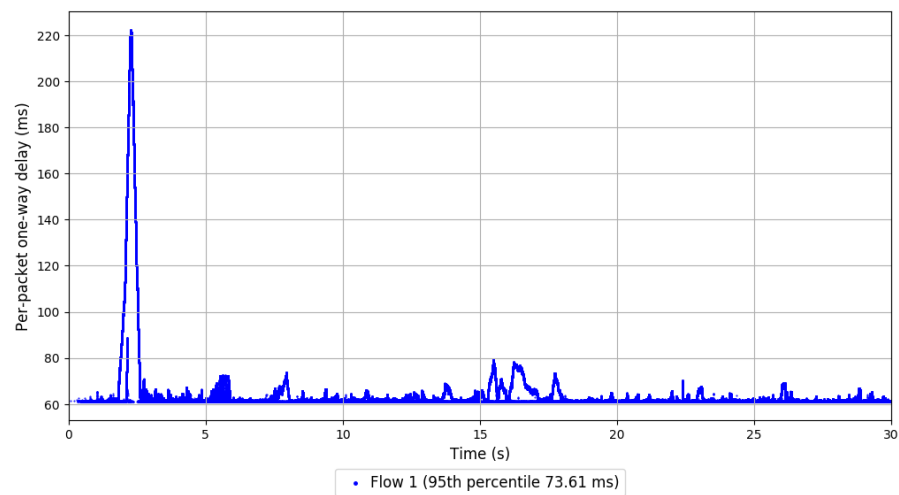
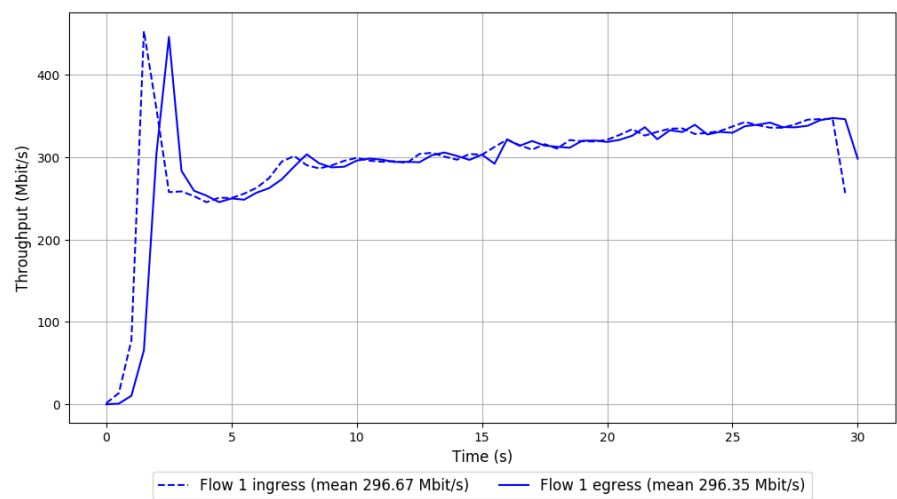


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-04 10:38:28
End at: 2018-07-04 10:38:58
Local clock offset: -0.074 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-07-04 15:14:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 296.35 Mbit/s
95th percentile per-packet one-way delay: 73.605 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 296.35 Mbit/s
95th percentile per-packet one-way delay: 73.605 ms
Loss rate: 0.11%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-04 11:00:03

End at: 2018-07-04 11:00:33

Local clock offset: -0.048 ms

Remote clock offset: -1.543 ms

Below is generated by plot.py at 2018-07-04 15:15:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.59 Mbit/s

95th percentile per-packet one-way delay: 91.035 ms

Loss rate: 0.08%

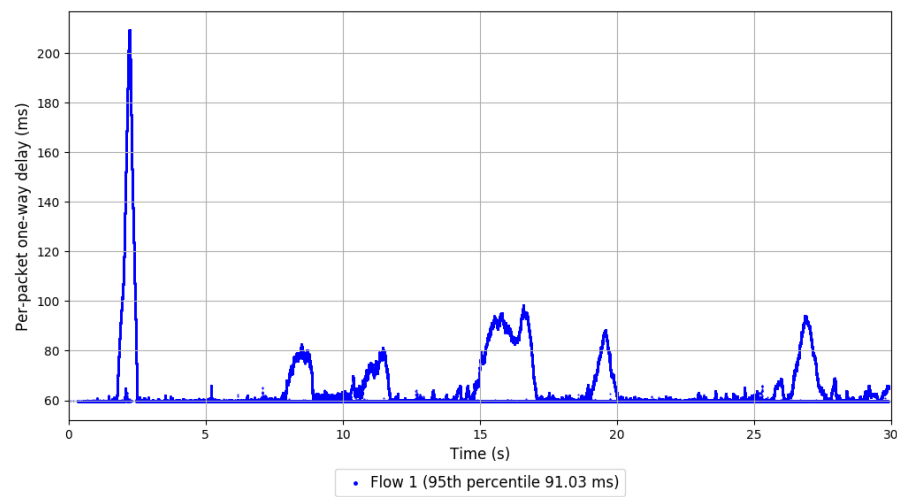
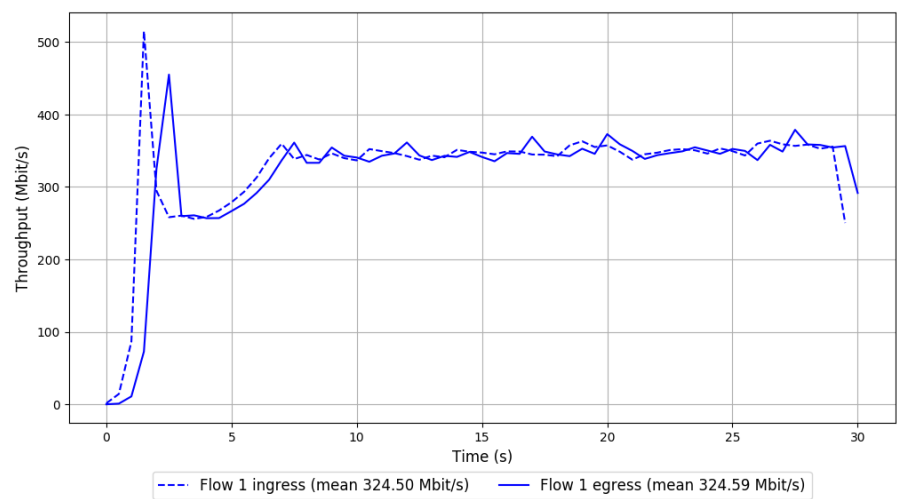
-- Flow 1:

Average throughput: 324.59 Mbit/s

95th percentile per-packet one-way delay: 91.035 ms

Loss rate: 0.08%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-04 11:21:44

End at: 2018-07-04 11:22:14

Local clock offset: -0.006 ms

Remote clock offset: 1.107 ms

Below is generated by plot.py at 2018-07-04 15:15:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.89 Mbit/s

95th percentile per-packet one-way delay: 77.973 ms

Loss rate: 0.11%

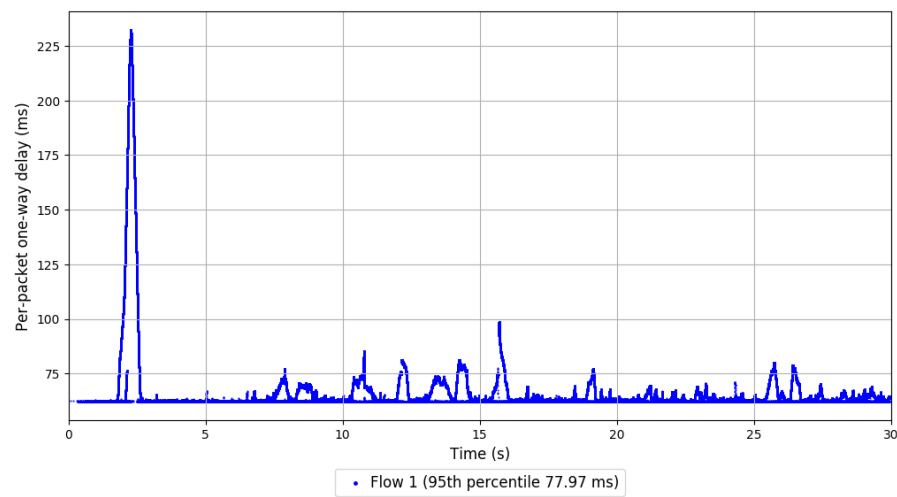
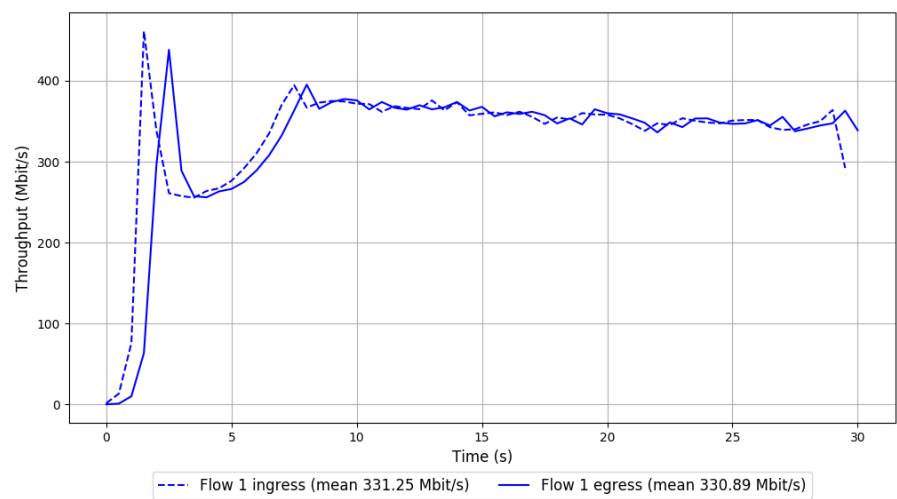
-- Flow 1:

Average throughput: 330.89 Mbit/s

95th percentile per-packet one-way delay: 77.973 ms

Loss rate: 0.11%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-04 11:43:27

End at: 2018-07-04 11:43:57

Local clock offset: 0.009 ms

Remote clock offset: 1.2 ms

Below is generated by plot.py at 2018-07-04 15:15:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.72 Mbit/s

95th percentile per-packet one-way delay: 145.590 ms

Loss rate: 0.12%

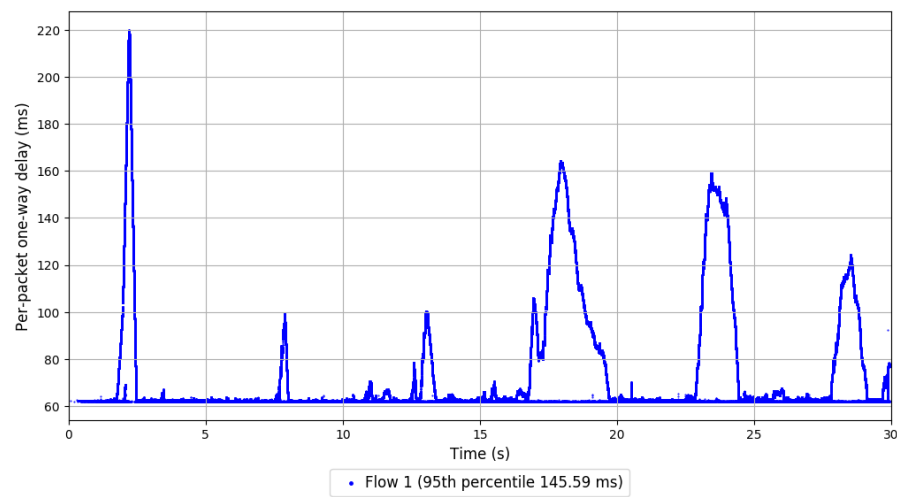
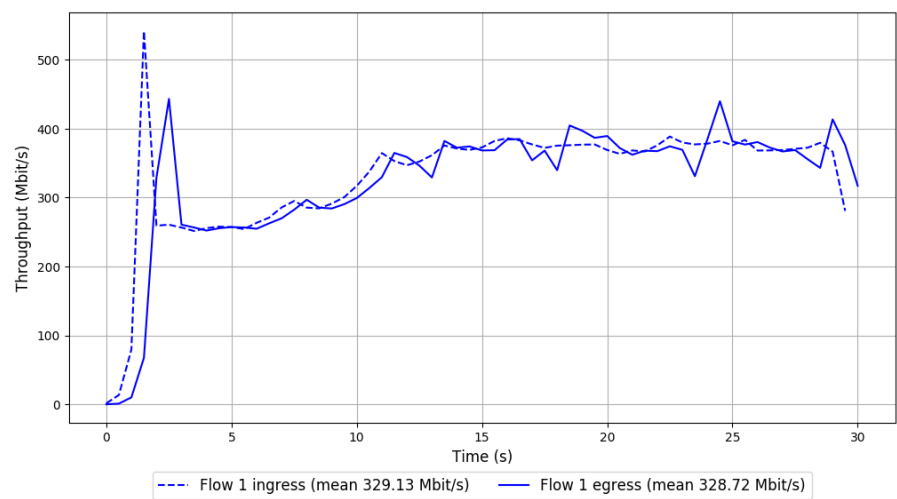
-- Flow 1:

Average throughput: 328.72 Mbit/s

95th percentile per-packet one-way delay: 145.590 ms

Loss rate: 0.12%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-04 12:05:54

End at: 2018-07-04 12:06:24

Local clock offset: -0.048 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-04 15:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.25 Mbit/s

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

Loss rate: 0.22%

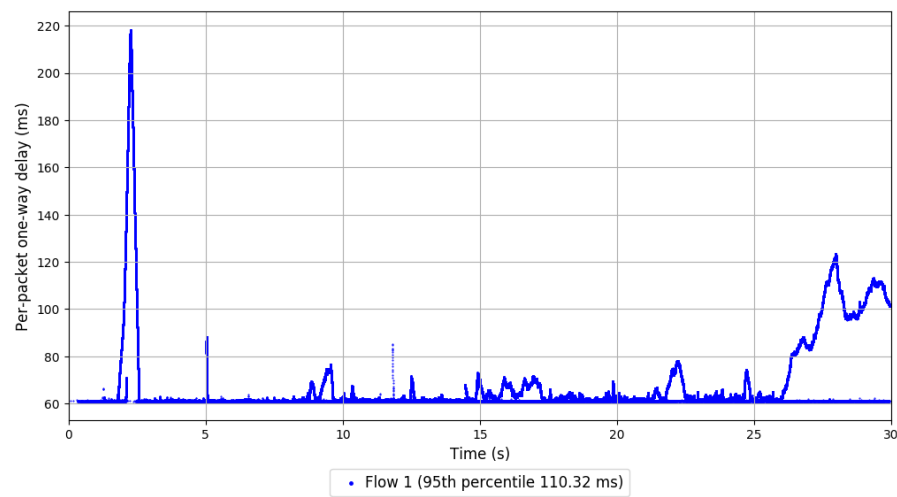
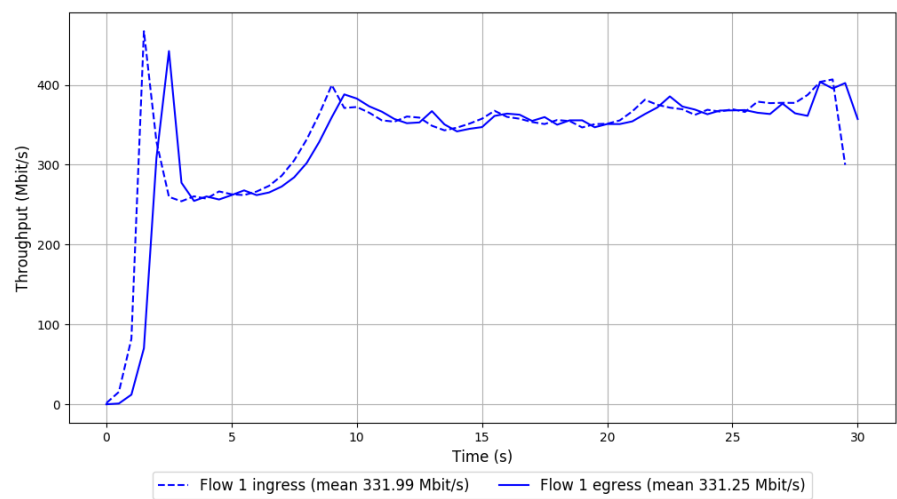
-- Flow 1:

Average throughput: 331.25 Mbit/s

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

Loss rate: 0.22%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-04 12:28:47

End at: 2018-07-04 12:29:17

Local clock offset: -0.043 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-04 15:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.13 Mbit/s

95th percentile per-packet one-way delay: 148.933 ms

Loss rate: 0.13%

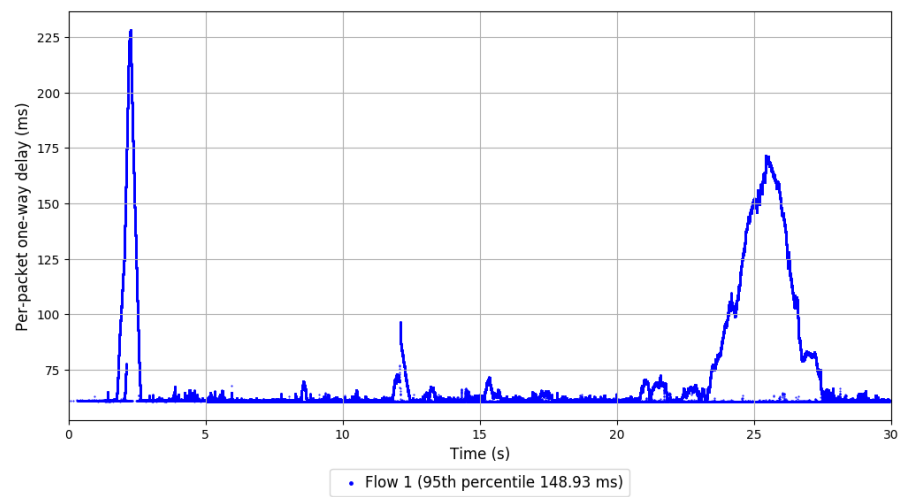
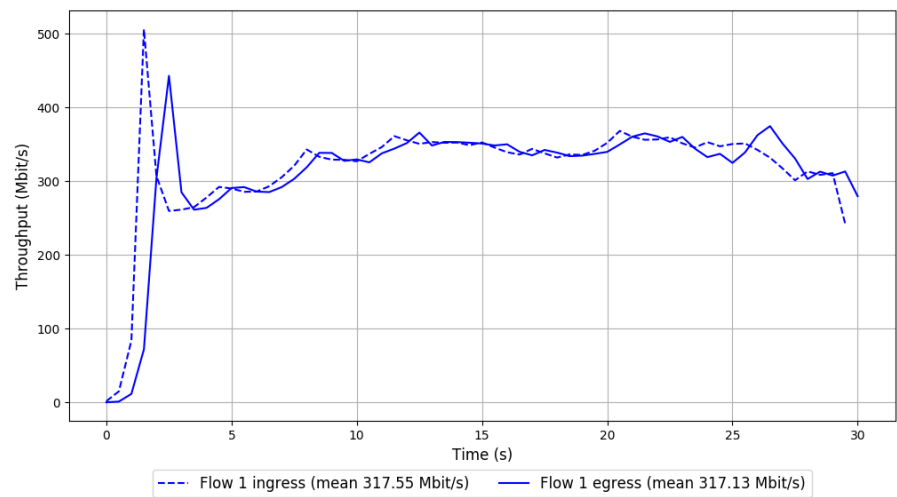
-- Flow 1:

Average throughput: 317.13 Mbit/s

95th percentile per-packet one-way delay: 148.933 ms

Loss rate: 0.13%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-04 12:50:32

End at: 2018-07-04 12:51:02

Local clock offset: 0.013 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-07-04 15:16:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.04 Mbit/s

95th percentile per-packet one-way delay: 67.280 ms

Loss rate: 0.11%

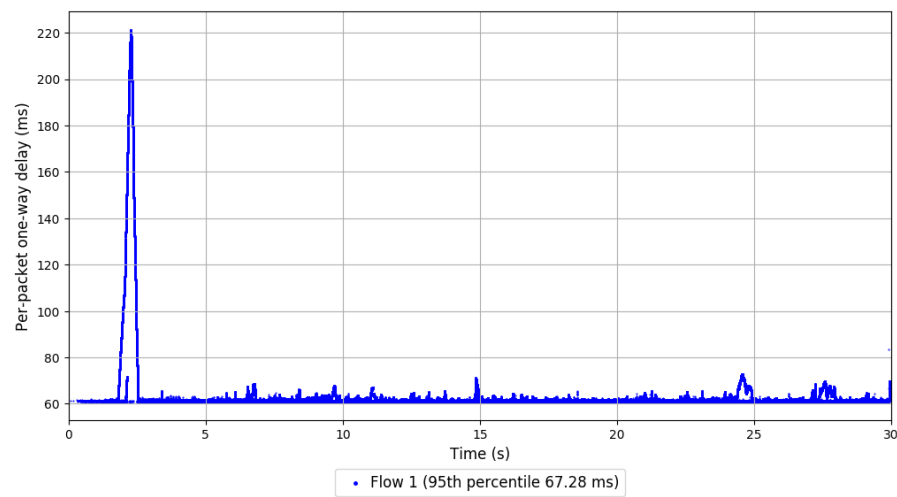
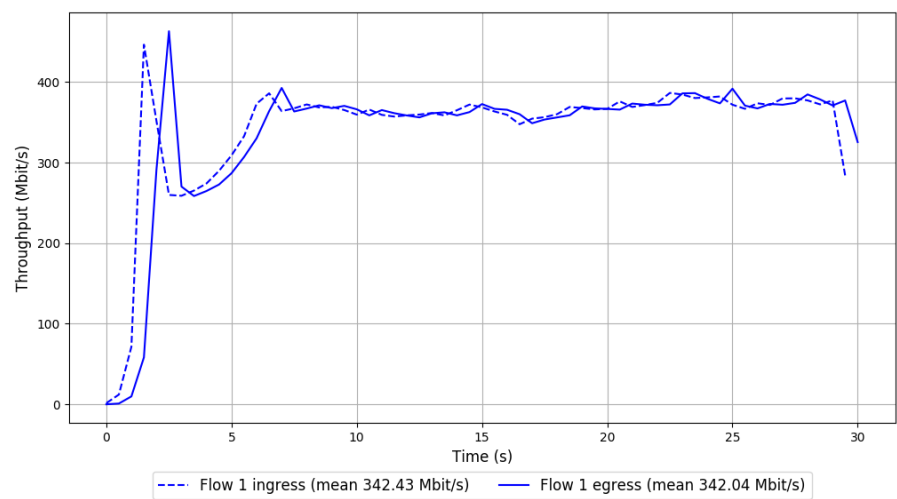
-- Flow 1:

Average throughput: 342.04 Mbit/s

95th percentile per-packet one-way delay: 67.280 ms

Loss rate: 0.11%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-04 13:12:12

End at: 2018-07-04 13:12:42

Local clock offset: -0.008 ms

Remote clock offset: 1.349 ms

Below is generated by plot.py at 2018-07-04 15:21:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.07 Mbit/s

95th percentile per-packet one-way delay: 145.639 ms

Loss rate: 0.18%

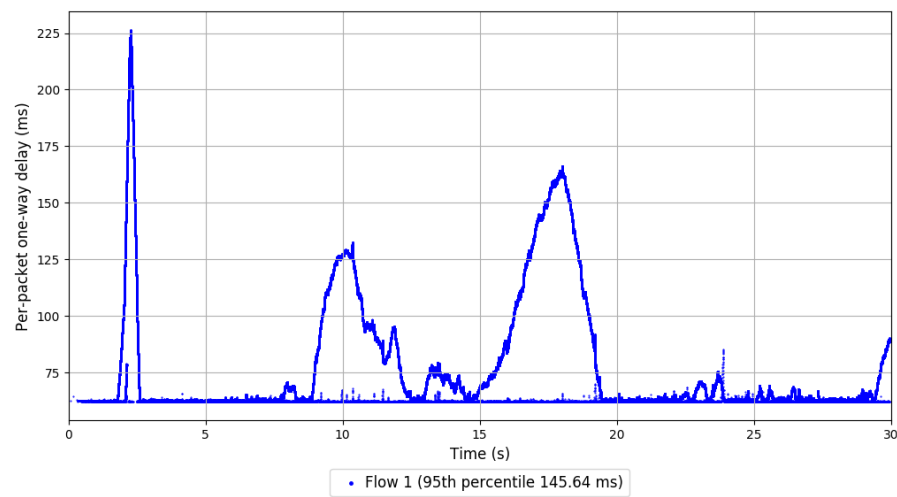
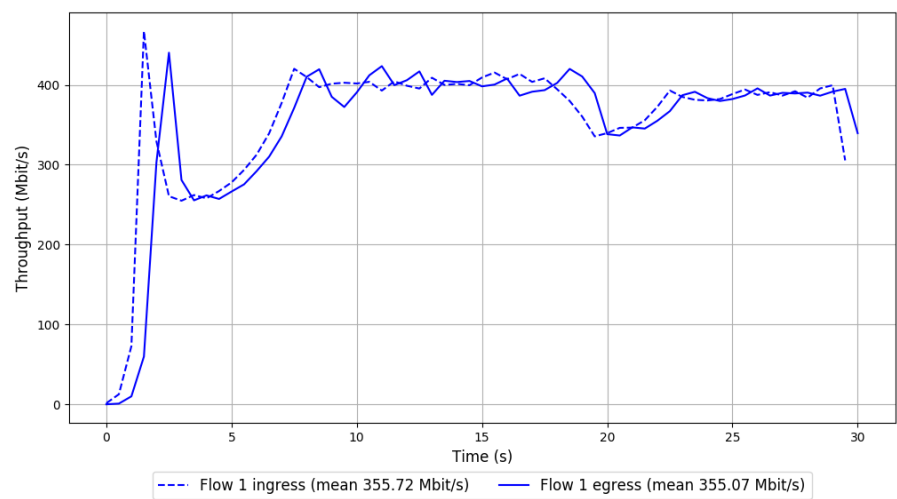
-- Flow 1:

Average throughput: 355.07 Mbit/s

95th percentile per-packet one-way delay: 145.639 ms

Loss rate: 0.18%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-04 13:34:13

End at: 2018-07-04 13:34:43

Local clock offset: -0.036 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-07-04 15:21:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.90 Mbit/s

95th percentile per-packet one-way delay: 161.387 ms

Loss rate: 0.07%

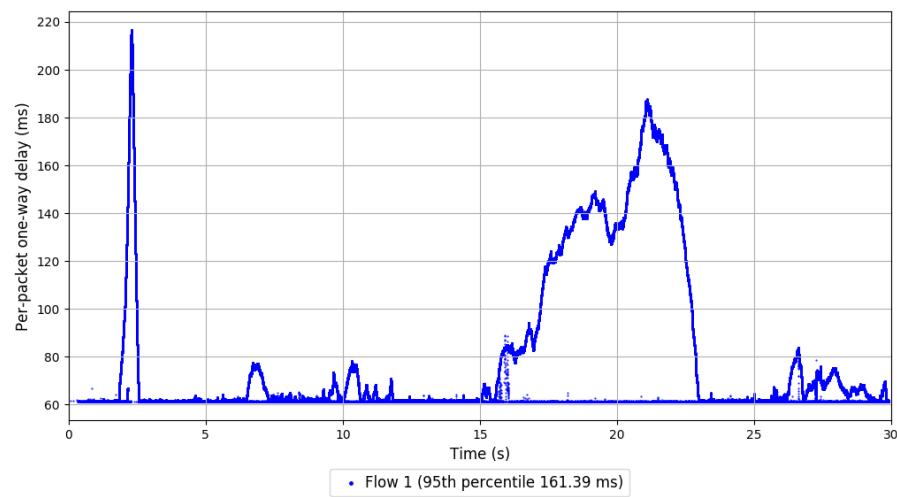
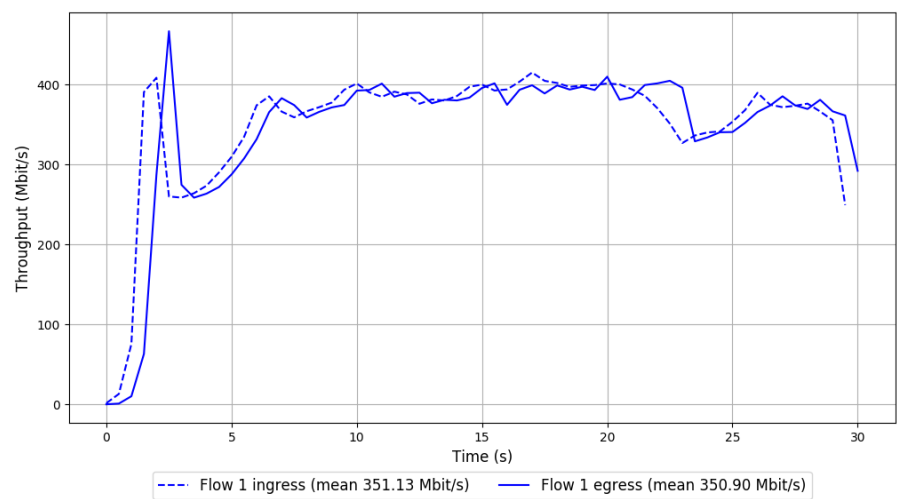
-- Flow 1:

Average throughput: 350.90 Mbit/s

95th percentile per-packet one-way delay: 161.387 ms

Loss rate: 0.07%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-04 13:56:08

End at: 2018-07-04 13:56:38

Local clock offset: -0.082 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-07-04 15:22:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.29 Mbit/s

95th percentile per-packet one-way delay: 144.575 ms

Loss rate: 0.15%

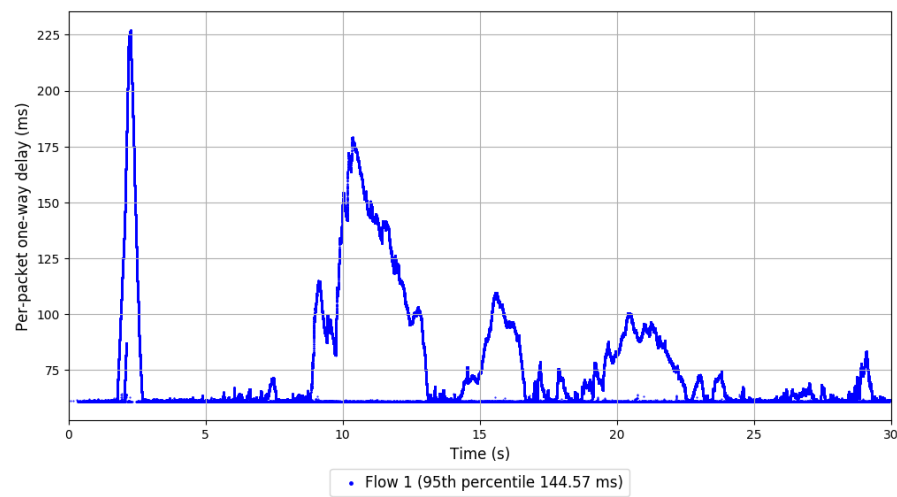
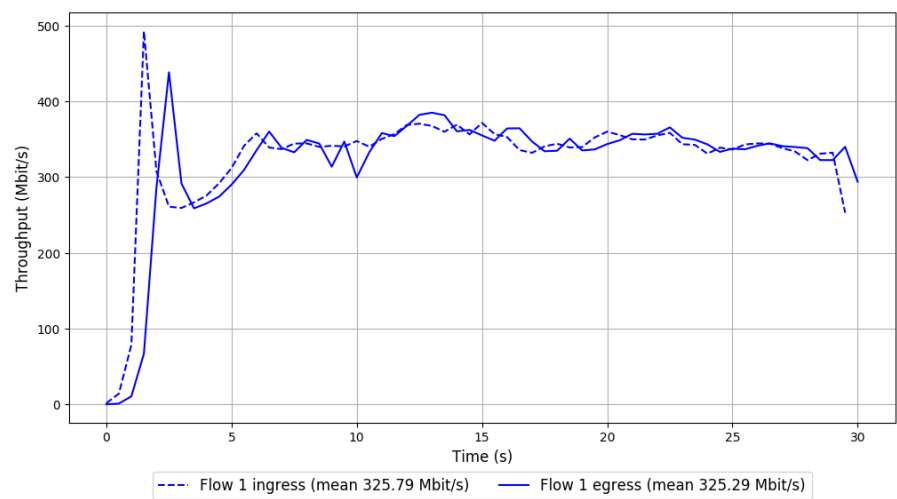
-- Flow 1:

Average throughput: 325.29 Mbit/s

95th percentile per-packet one-way delay: 144.575 ms

Loss rate: 0.15%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-04 10:33:13
End at: 2018-07-04 10:33:43
Local clock offset: -0.093 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-04 15:25:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.90 Mbit/s

95th percentile per-packet one-way delay: 61.623 ms

Loss rate: 0.03%

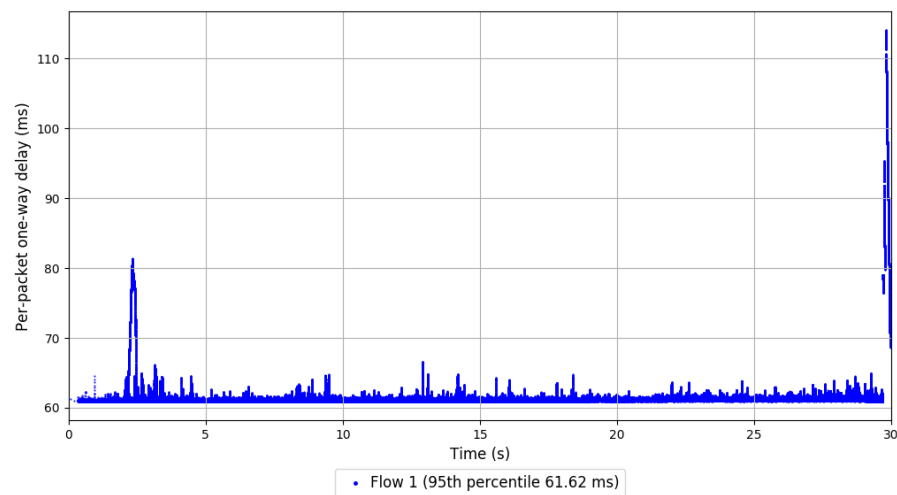
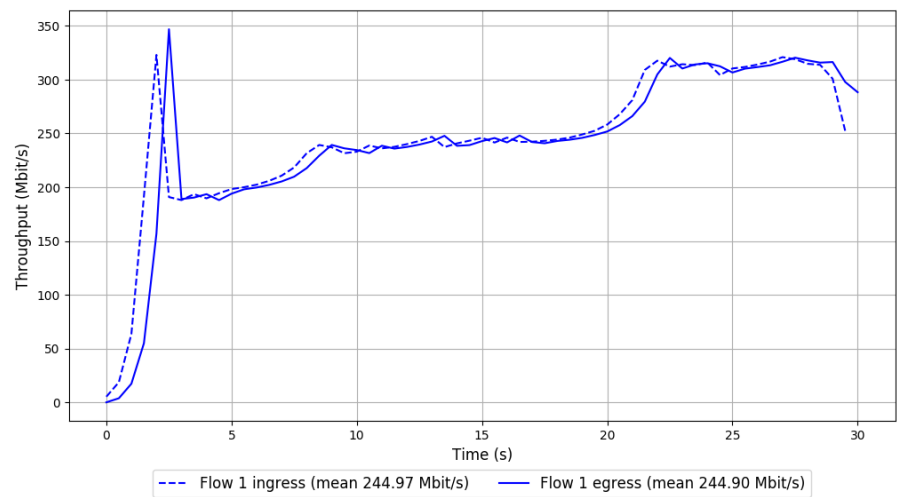
-- Flow 1:

Average throughput: 244.90 Mbit/s

95th percentile per-packet one-way delay: 61.623 ms

Loss rate: 0.03%

Run 1: Report of PCC-Expr — Data Link

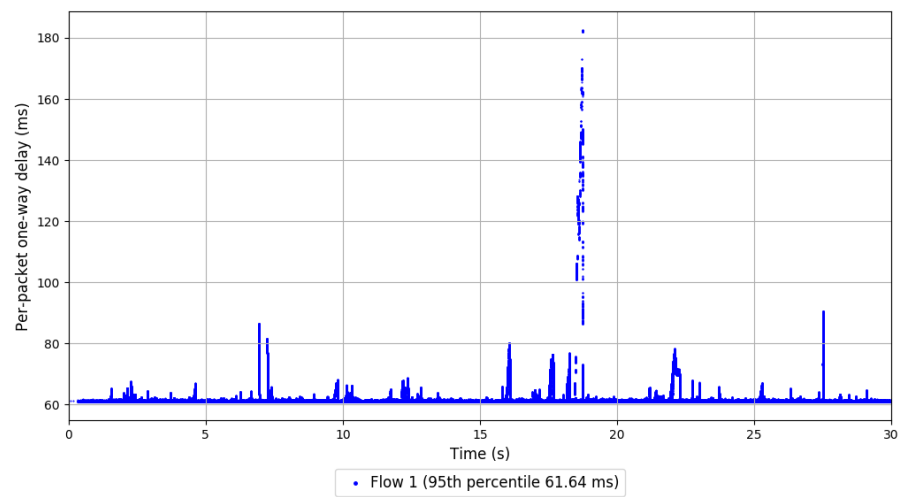
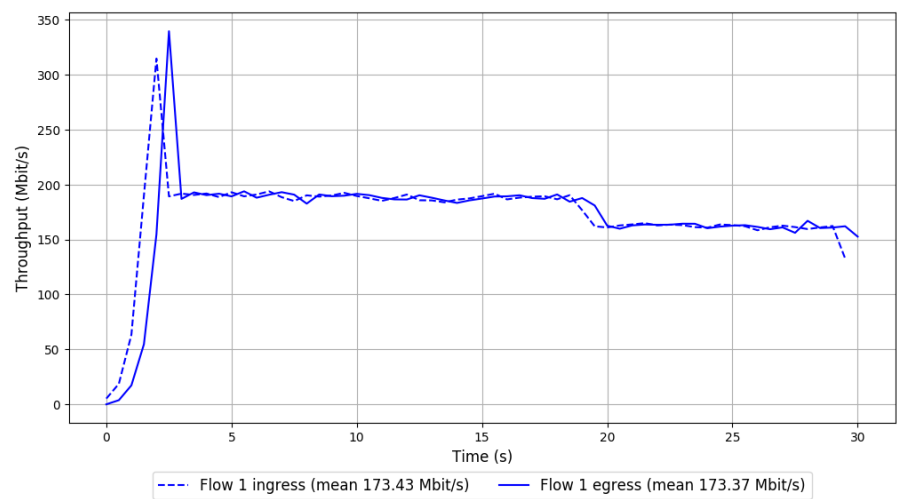


Run 2: Statistics of PCC-Expr

Start at: 2018-07-04 10:54:52
End at: 2018-07-04 10:55:22
Local clock offset: -0.087 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-04 15:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.37 Mbit/s
95th percentile per-packet one-way delay: 61.639 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 173.37 Mbit/s
95th percentile per-packet one-way delay: 61.639 ms
Loss rate: 0.03%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-04 11:16:23

End at: 2018-07-04 11:16:53

Local clock offset: 0.016 ms

Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-04 15:27:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.69 Mbit/s

95th percentile per-packet one-way delay: 237.462 ms

Loss rate: 1.30%

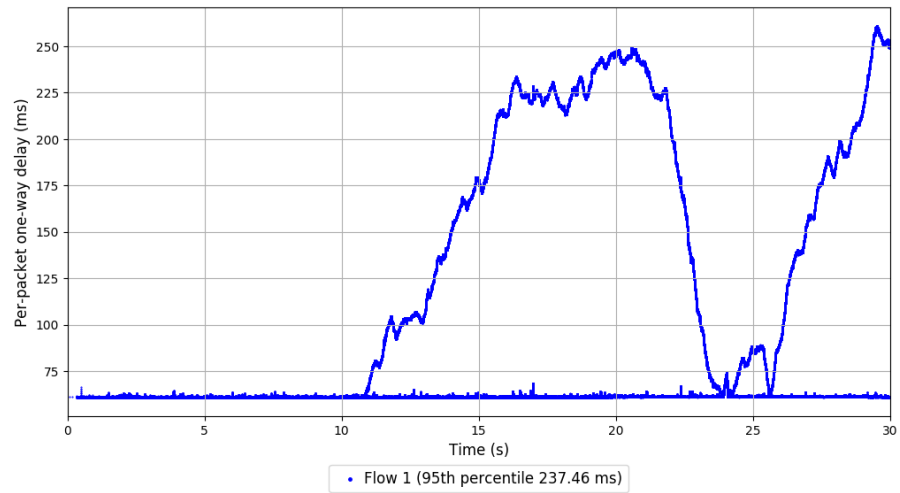
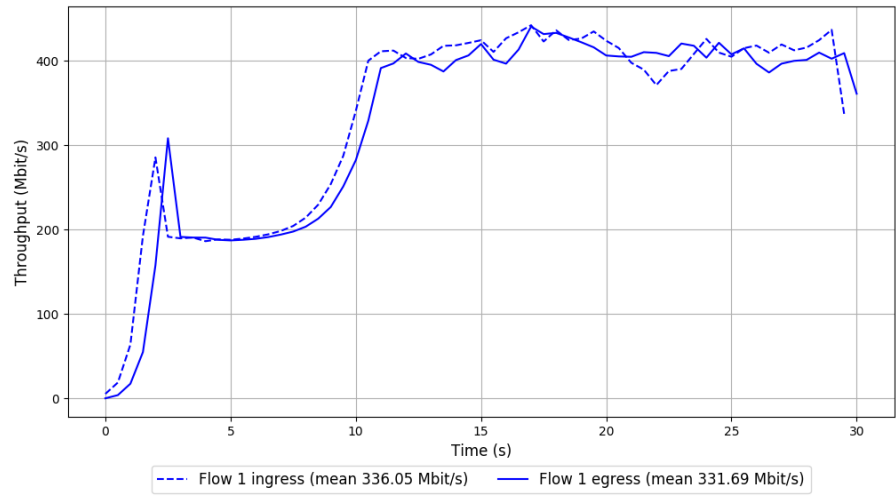
-- Flow 1:

Average throughput: 331.69 Mbit/s

95th percentile per-packet one-way delay: 237.462 ms

Loss rate: 1.30%

Run 3: Report of PCC-Expr — Data Link

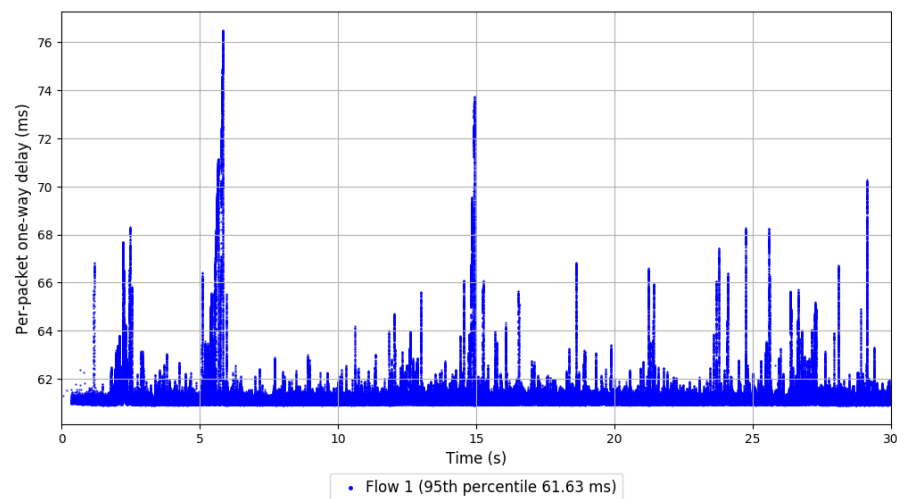
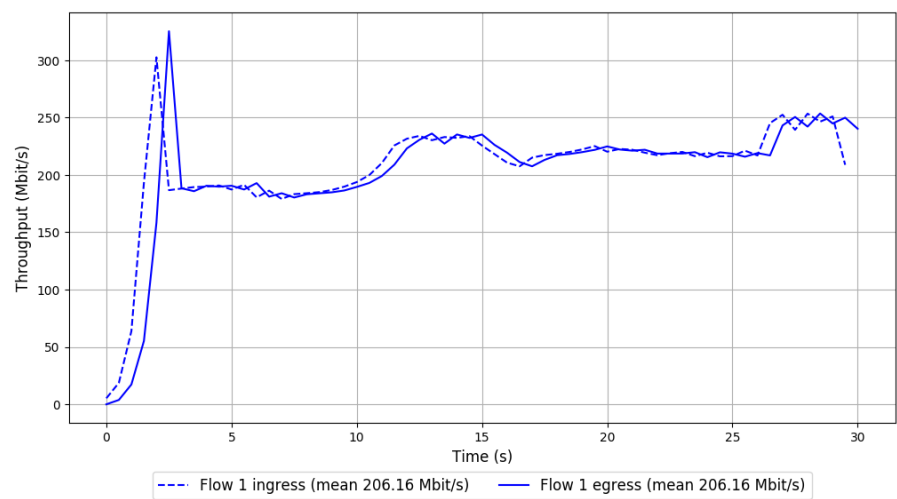


Run 4: Statistics of PCC-Expr

Start at: 2018-07-04 11:38:15
End at: 2018-07-04 11:38:45
Local clock offset: -0.019 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-04 15:27:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.16 Mbit/s
95th percentile per-packet one-way delay: 61.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.16 Mbit/s
95th percentile per-packet one-way delay: 61.633 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

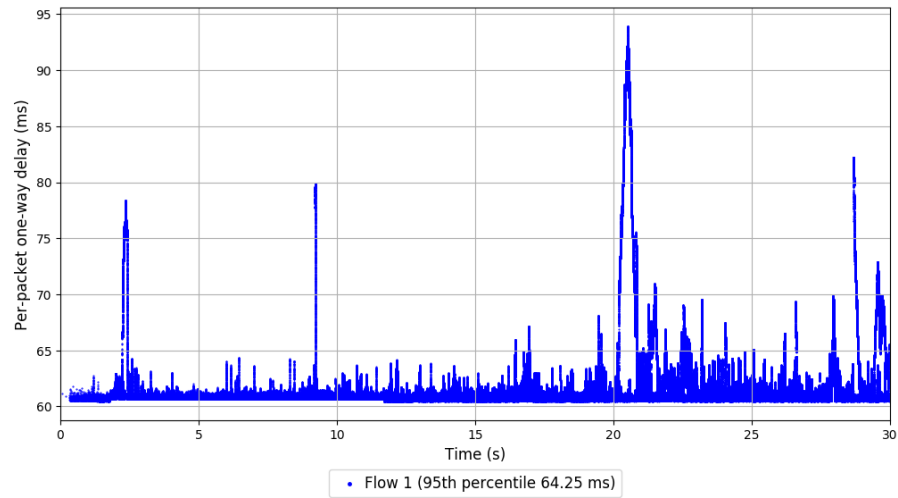
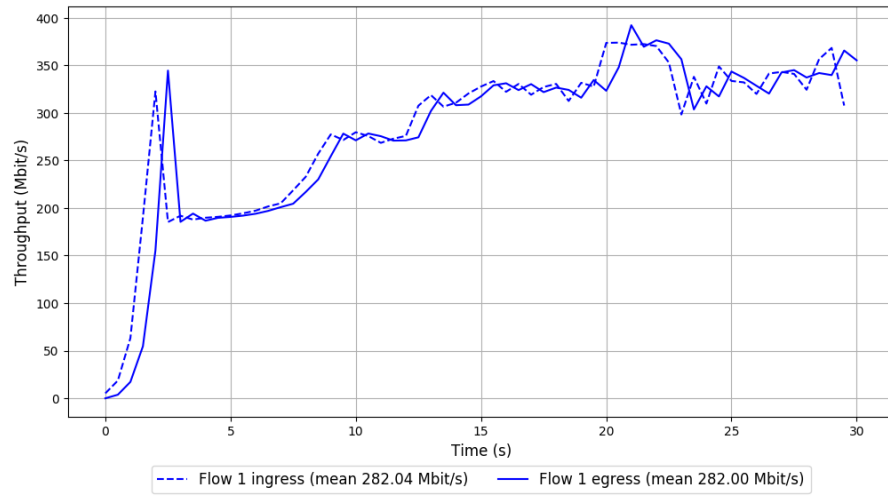


Run 5: Statistics of PCC-Expr

Start at: 2018-07-04 12:00:31
End at: 2018-07-04 12:01:01
Local clock offset: 0.018 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-04 15:27:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.00 Mbit/s
95th percentile per-packet one-way delay: 64.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 282.00 Mbit/s
95th percentile per-packet one-way delay: 64.246 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-04 12:23:26

End at: 2018-07-04 12:23:57

Local clock offset: 0.024 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-04 15:32:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.54 Mbit/s

95th percentile per-packet one-way delay: 62.718 ms

Loss rate: 0.00%

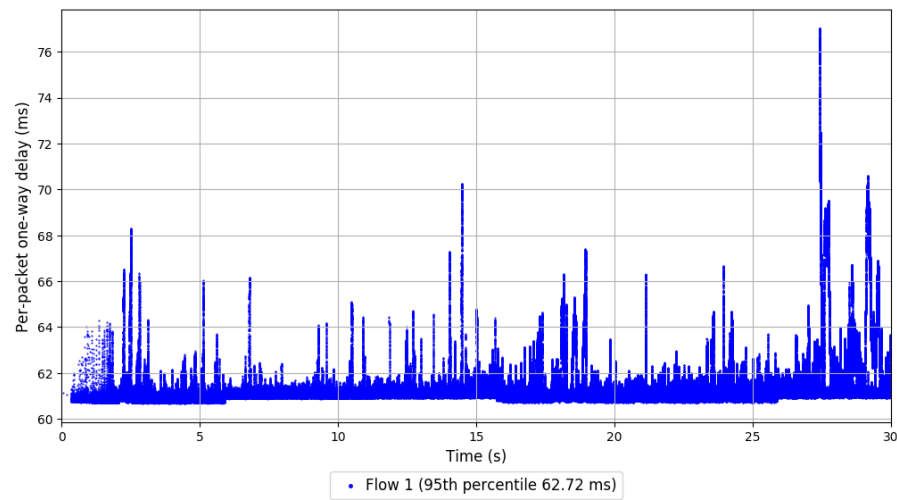
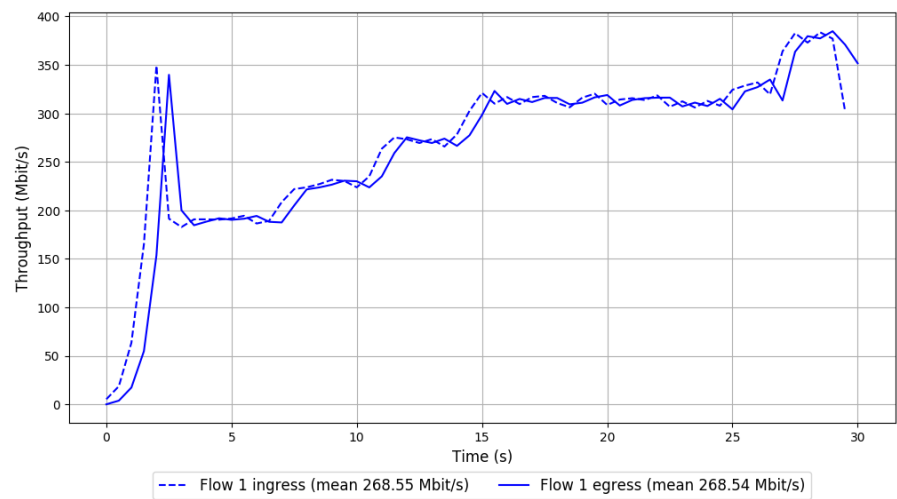
-- Flow 1:

Average throughput: 268.54 Mbit/s

95th percentile per-packet one-way delay: 62.718 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

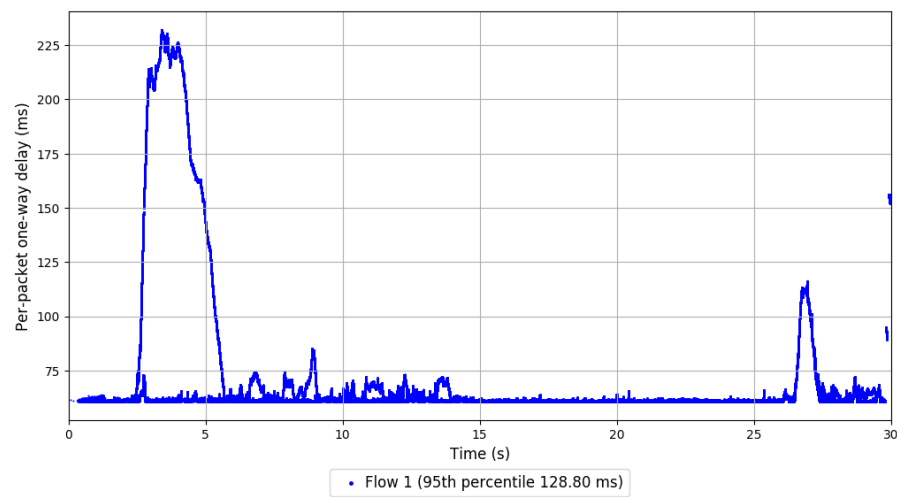
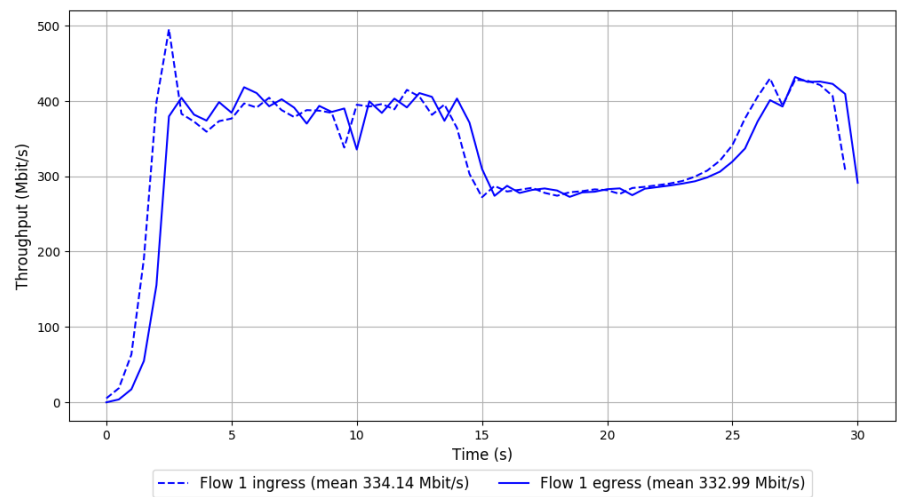


Run 7: Statistics of PCC-Expr

Start at: 2018-07-04 12:45:07
End at: 2018-07-04 12:45:37
Local clock offset: -0.02 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-04 15:34:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 332.99 Mbit/s
95th percentile per-packet one-way delay: 128.804 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 332.99 Mbit/s
95th percentile per-packet one-way delay: 128.804 ms
Loss rate: 0.35%

Run 7: Report of PCC-Expr — Data Link

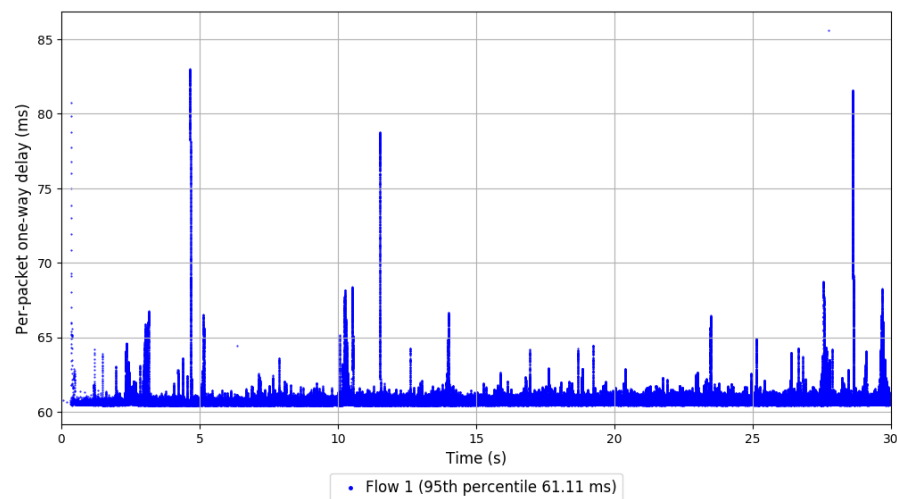
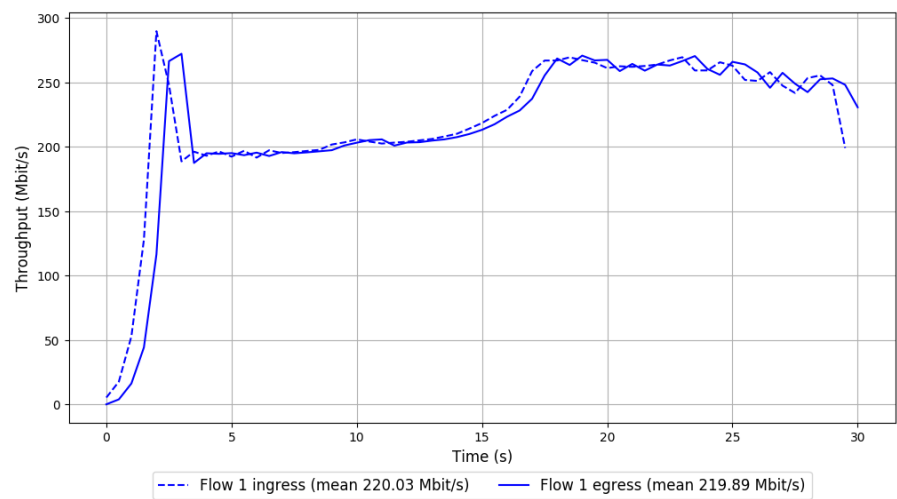


Run 8: Statistics of PCC-Expr

Start at: 2018-07-04 13:06:55
End at: 2018-07-04 13:07:25
Local clock offset: -0.007 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-07-04 15:34:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.89 Mbit/s
95th percentile per-packet one-way delay: 61.110 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 219.89 Mbit/s
95th percentile per-packet one-way delay: 61.110 ms
Loss rate: 0.06%

Run 8: Report of PCC-Expr — Data Link

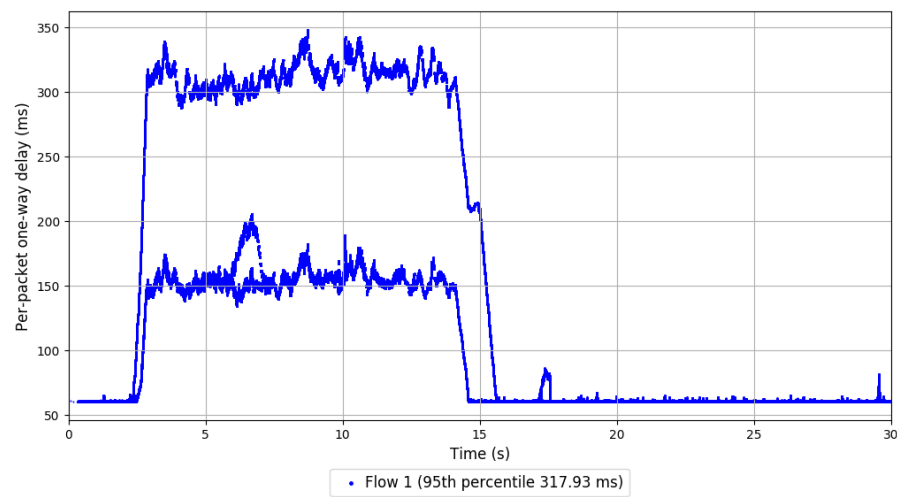
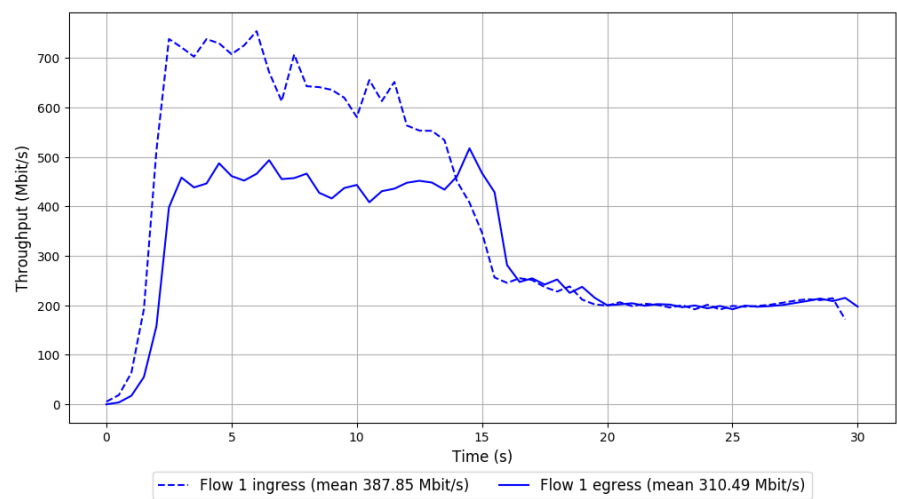


Run 9: Statistics of PCC-Expr

Start at: 2018-07-04 13:28:49
End at: 2018-07-04 13:29:19
Local clock offset: -0.026 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 310.49 Mbit/s
95th percentile per-packet one-way delay: 317.925 ms
Loss rate: 19.95%
-- Flow 1:
Average throughput: 310.49 Mbit/s
95th percentile per-packet one-way delay: 317.925 ms
Loss rate: 19.95%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-04 13:50:51

End at: 2018-07-04 13:51:21

Local clock offset: -0.065 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.98 Mbit/s

95th percentile per-packet one-way delay: 61.735 ms

Loss rate: 0.00%

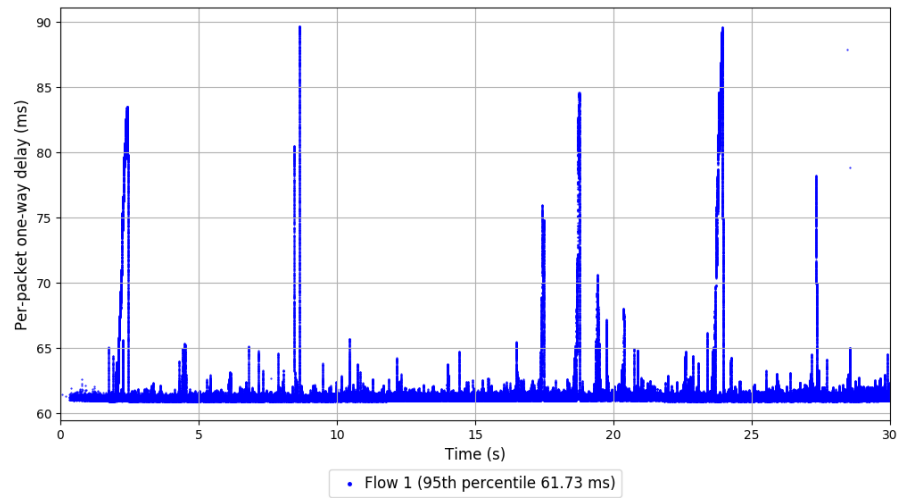
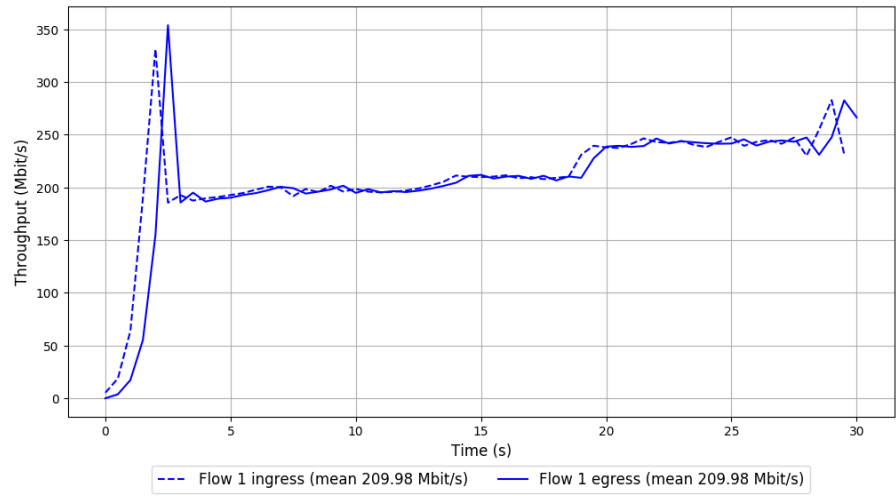
-- Flow 1:

Average throughput: 209.98 Mbit/s

95th percentile per-packet one-way delay: 61.735 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

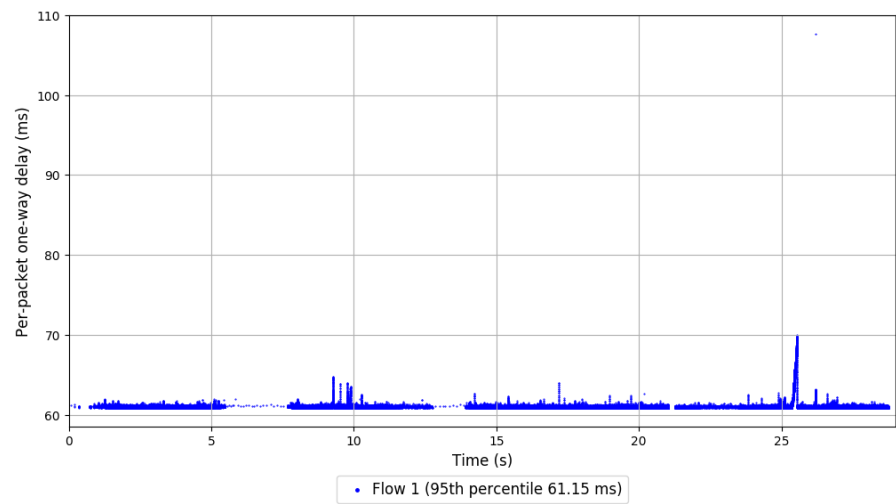
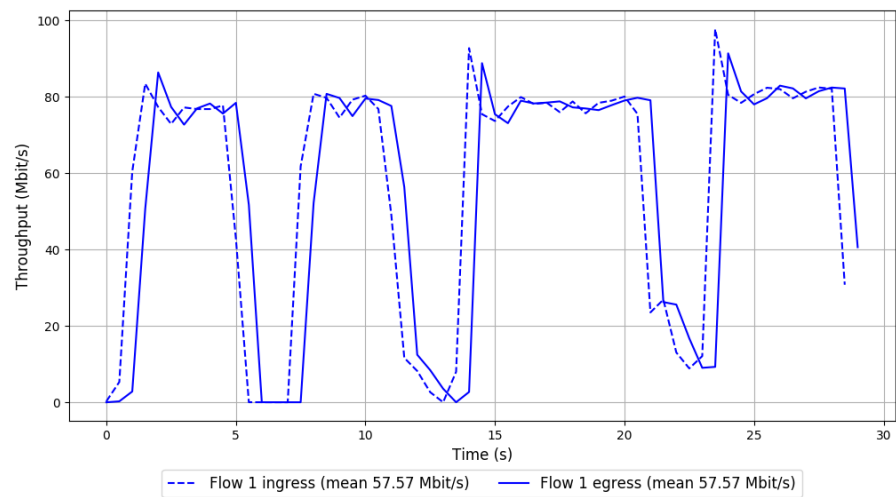


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-04 10:28:11
End at: 2018-07-04 10:28:41
Local clock offset: -0.106 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 61.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 61.148 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-04 10:49:45

End at: 2018-07-04 10:50:15

Local clock offset: -0.096 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.88 Mbit/s

95th percentile per-packet one-way delay: 61.414 ms

Loss rate: 0.00%

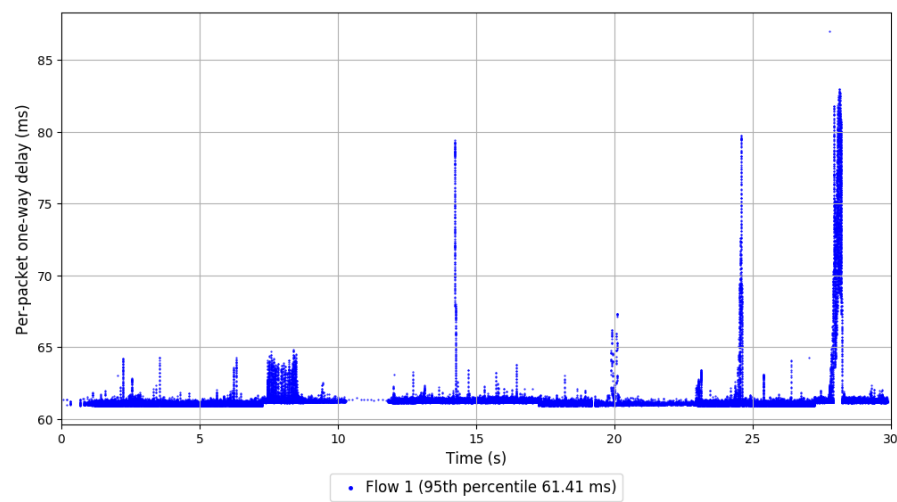
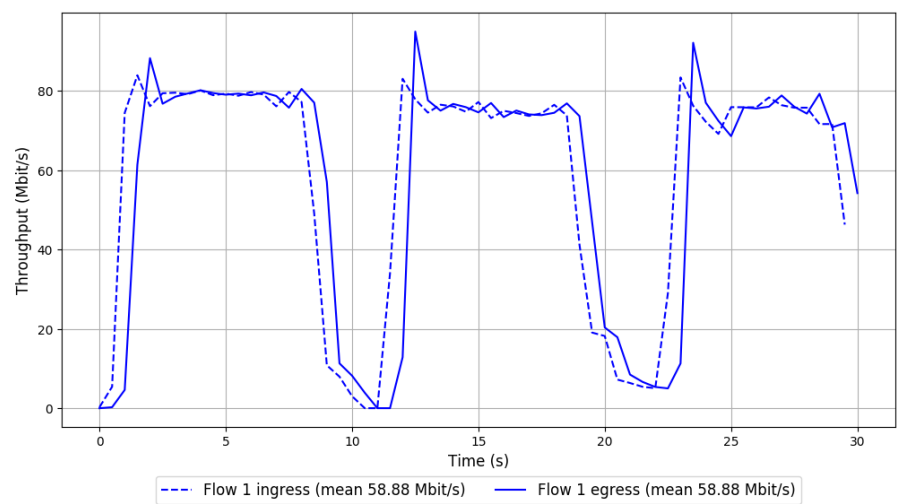
-- Flow 1:

Average throughput: 58.88 Mbit/s

95th percentile per-packet one-way delay: 61.414 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

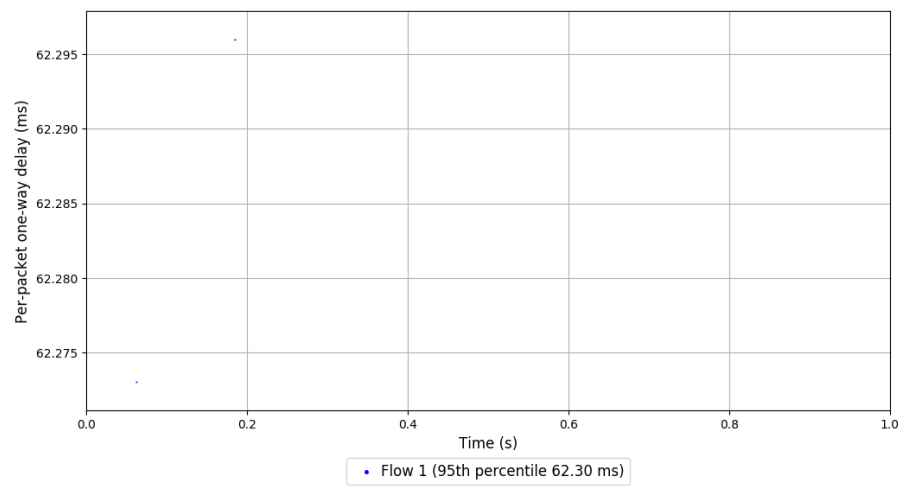
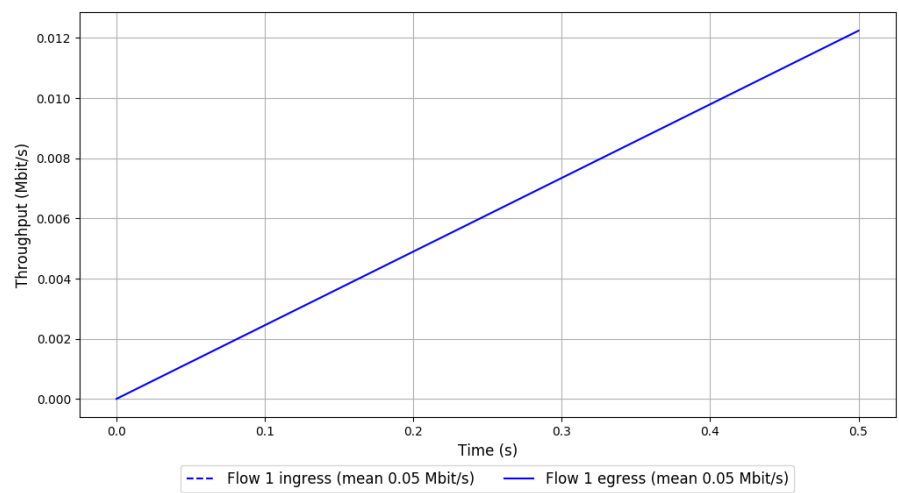
Start at: 2018-07-04 11:11:16

End at: 2018-07-04 11:11:46

Local clock offset: -0.002 ms

Remote clock offset: 1.121 ms

Run 3: Report of QUIC Cubic — Data Link

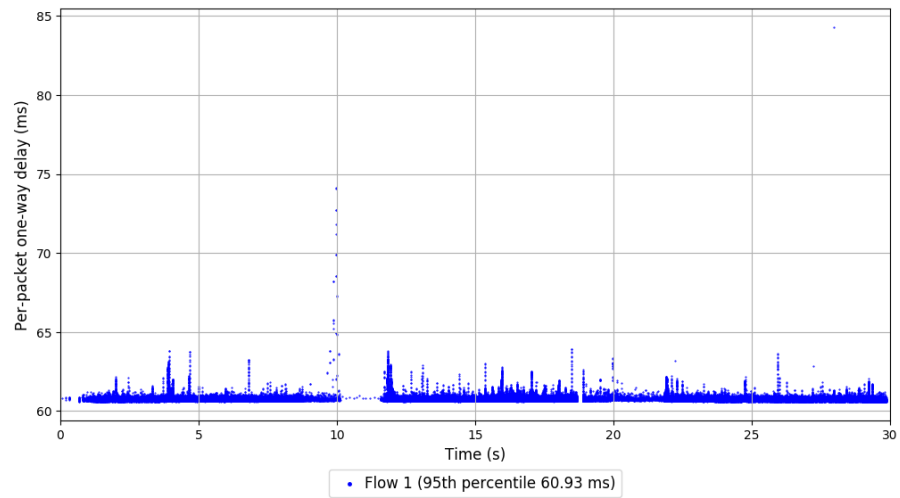
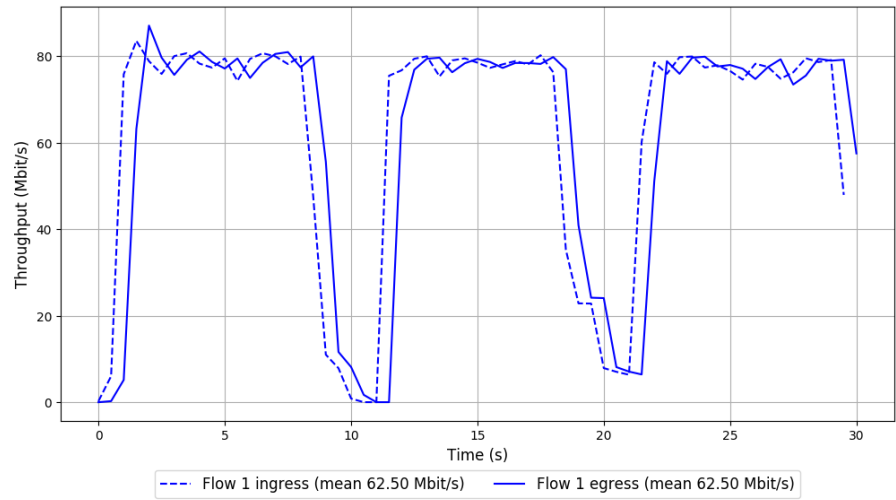


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-04 11:33:09
End at: 2018-07-04 11:33:39
Local clock offset: -0.032 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 60.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 60.926 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

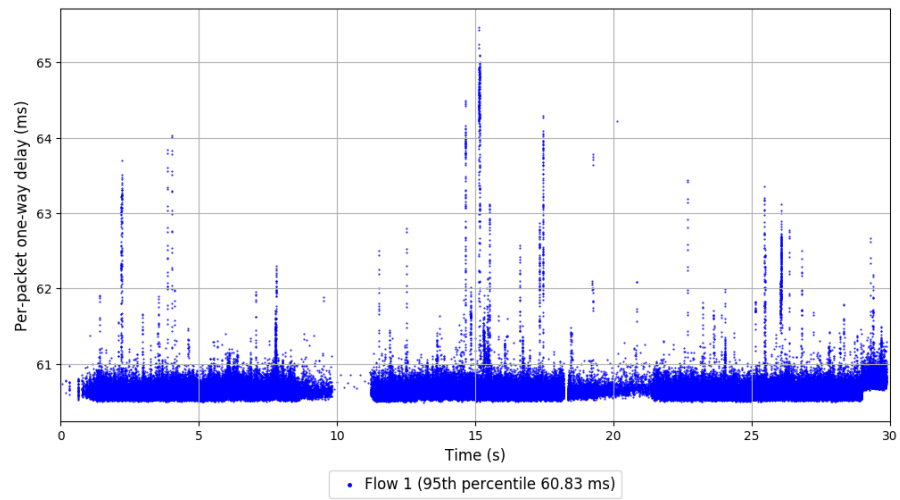
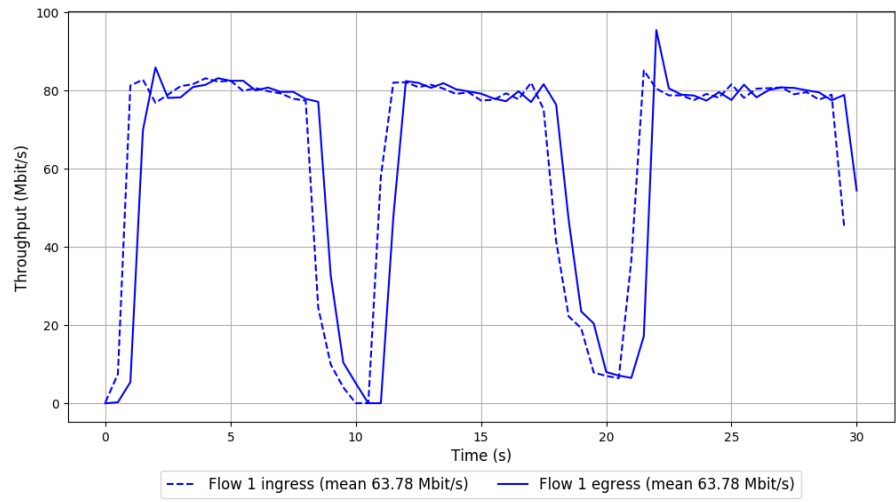


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-04 11:55:03
End at: 2018-07-04 11:55:33
Local clock offset: -0.032 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.78 Mbit/s
95th percentile per-packet one-way delay: 60.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.78 Mbit/s
95th percentile per-packet one-way delay: 60.831 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

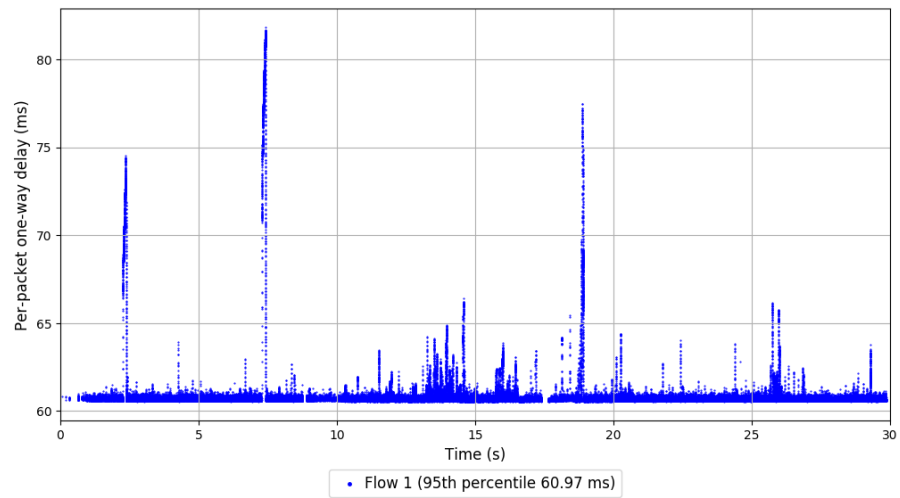
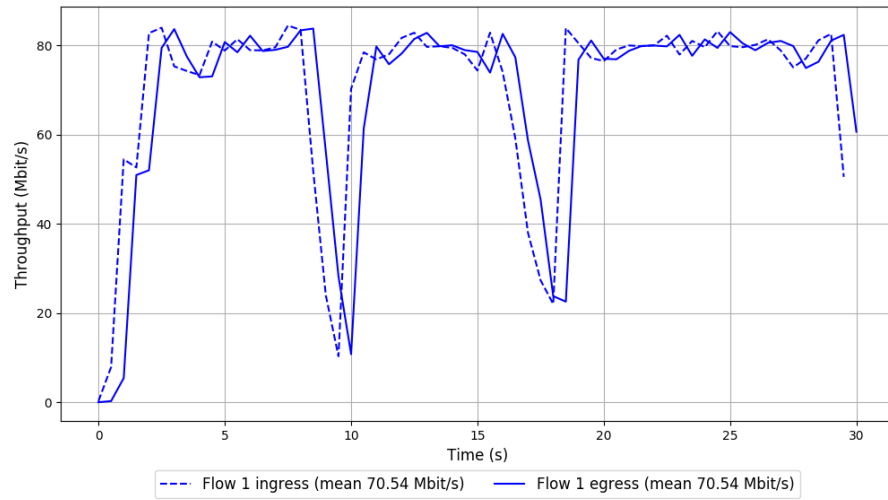


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-04 12:18:13
End at: 2018-07-04 12:18:43
Local clock offset: -0.005 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.54 Mbit/s
95th percentile per-packet one-way delay: 60.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.54 Mbit/s
95th percentile per-packet one-way delay: 60.970 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-04 12:39:57

End at: 2018-07-04 12:40:27

Local clock offset: -0.037 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.70 Mbit/s

95th percentile per-packet one-way delay: 61.336 ms

Loss rate: 0.00%

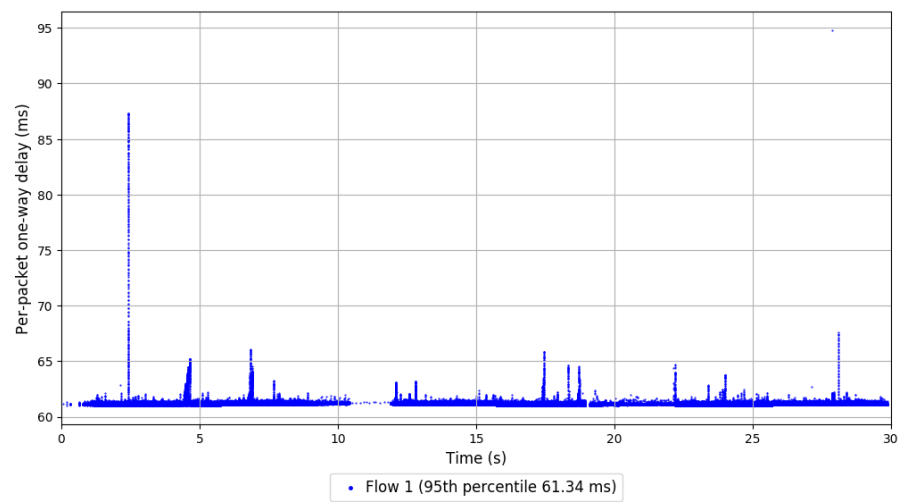
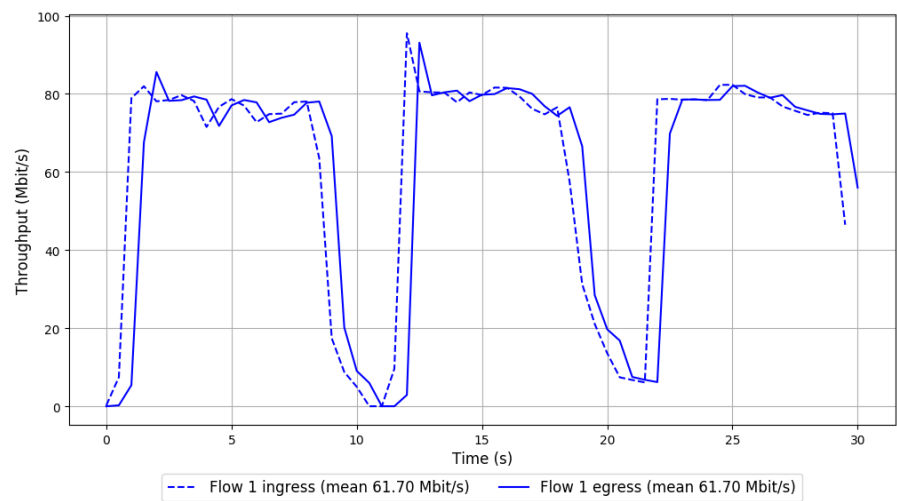
-- Flow 1:

Average throughput: 61.70 Mbit/s

95th percentile per-packet one-way delay: 61.336 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-04 13:01:48

End at: 2018-07-04 13:02:18

Local clock offset: 0.002 ms

Remote clock offset: -1.213 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.40 Mbit/s

95th percentile per-packet one-way delay: 59.944 ms

Loss rate: 0.00%

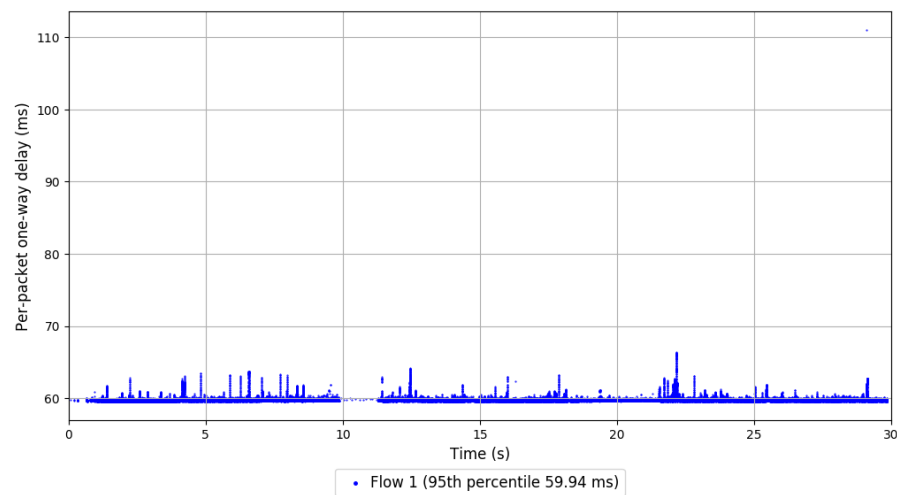
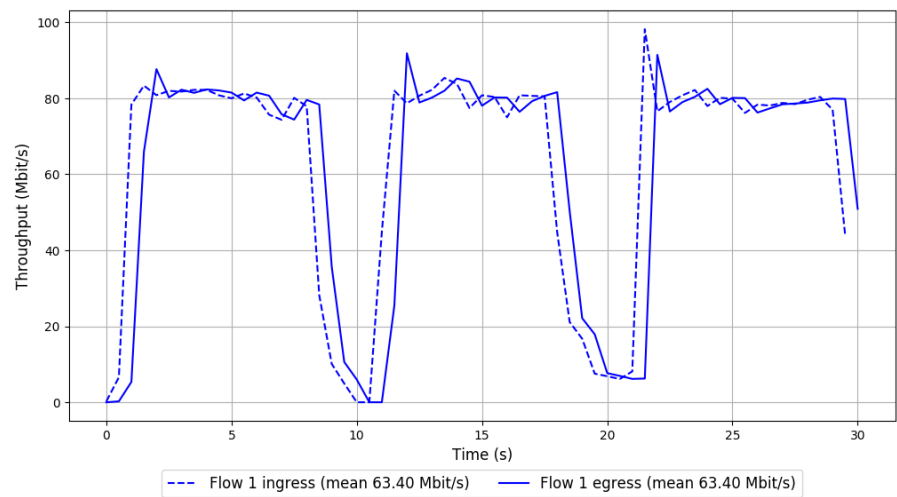
-- Flow 1:

Average throughput: 63.40 Mbit/s

95th percentile per-packet one-way delay: 59.944 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-04 13:23:39

End at: 2018-07-04 13:24:09

Local clock offset: 0.0 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.09 Mbit/s

95th percentile per-packet one-way delay: 61.318 ms

Loss rate: 0.00%

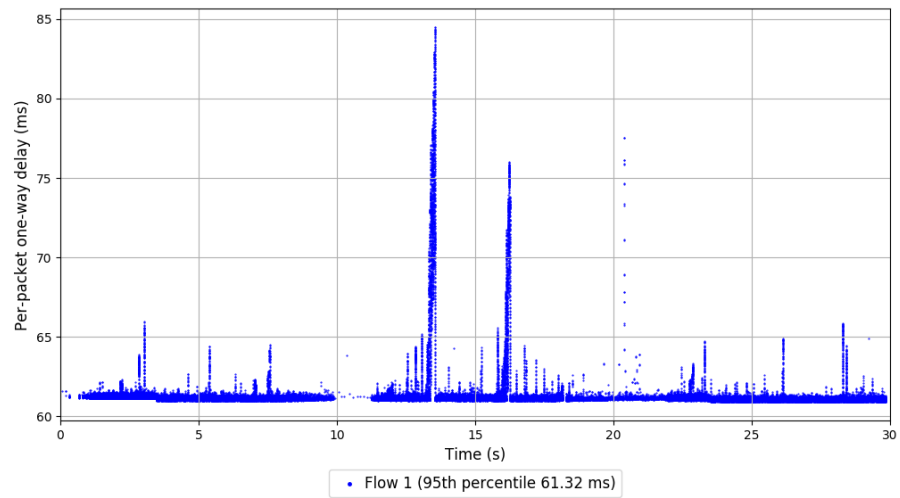
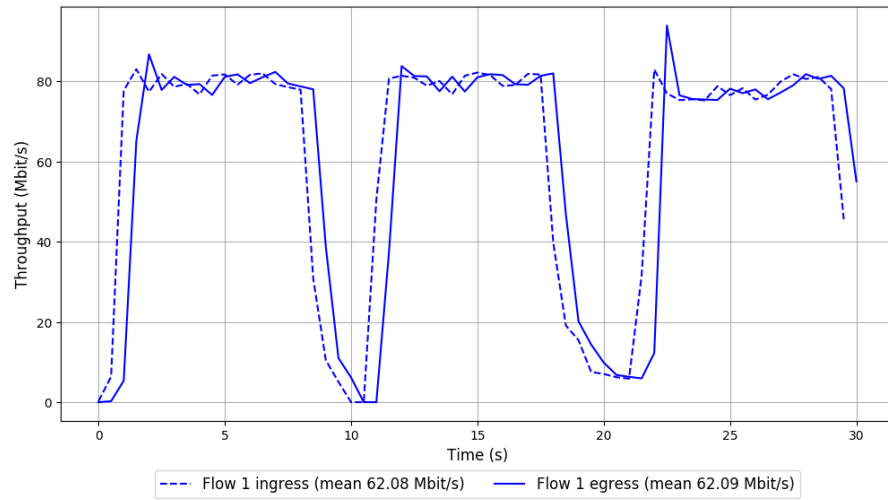
-- Flow 1:

Average throughput: 62.09 Mbit/s

95th percentile per-packet one-way delay: 61.318 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

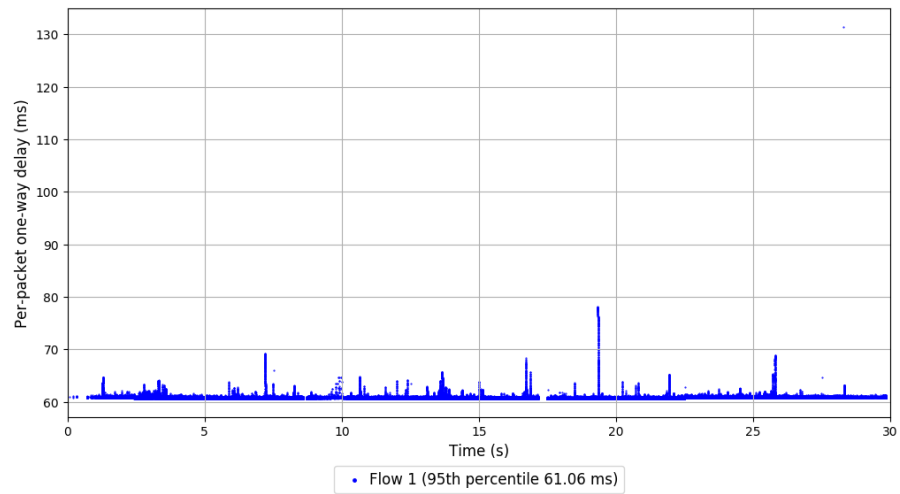
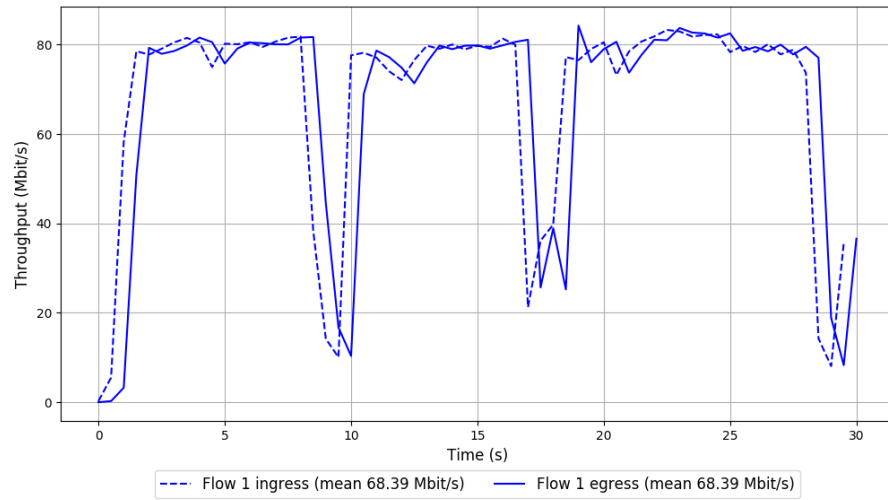


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-04 13:45:40
End at: 2018-07-04 13:46:10
Local clock offset: -0.041 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 61.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 61.059 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

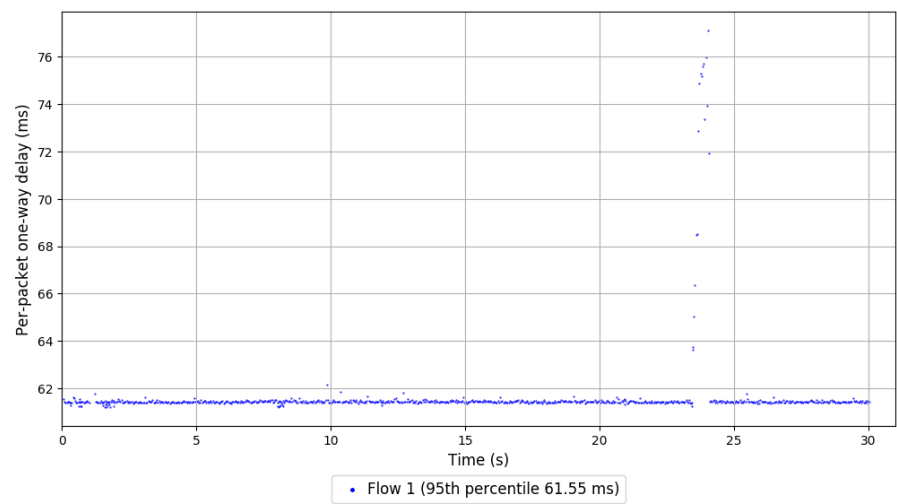
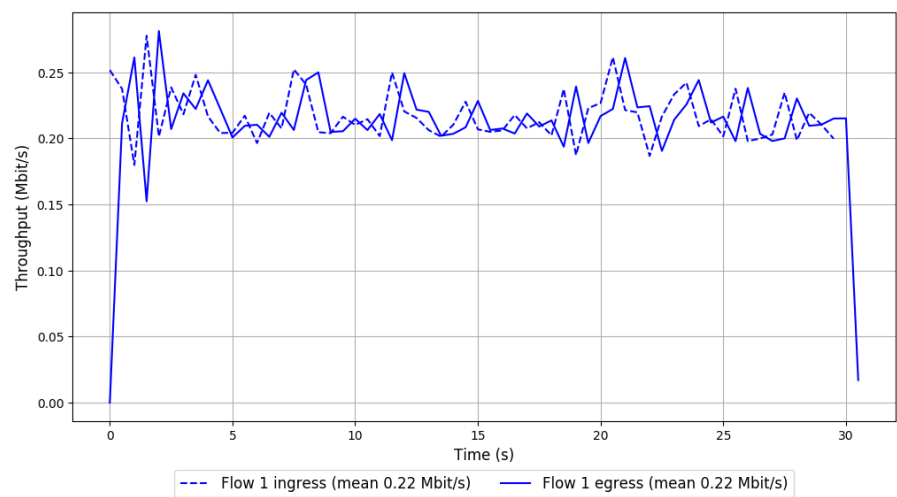


```
Run 1: Statistics of SCReAM

Start at: 2018-07-04 10:27:05
End at: 2018-07-04 10:27:35
Local clock offset: -0.102 ms
Remote clock offset: 0.13 ms

# Below is generated by plot.py at 2018-07-04 15:34:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.547 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

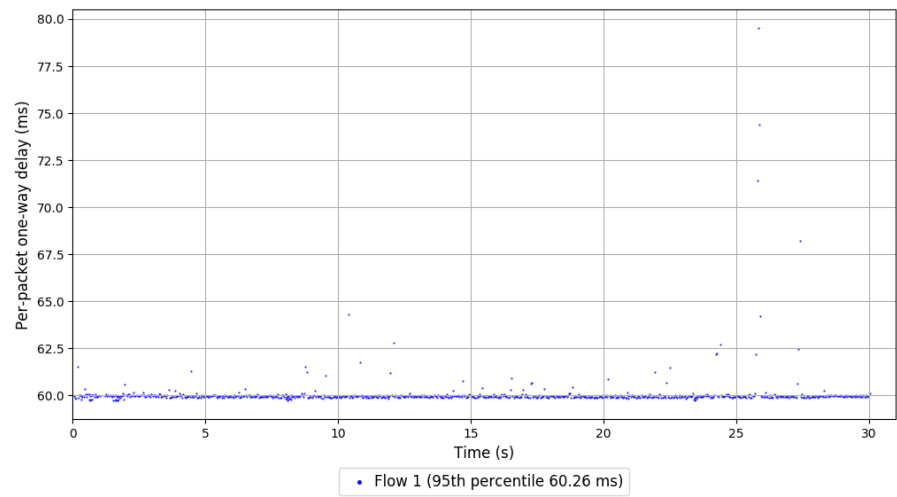
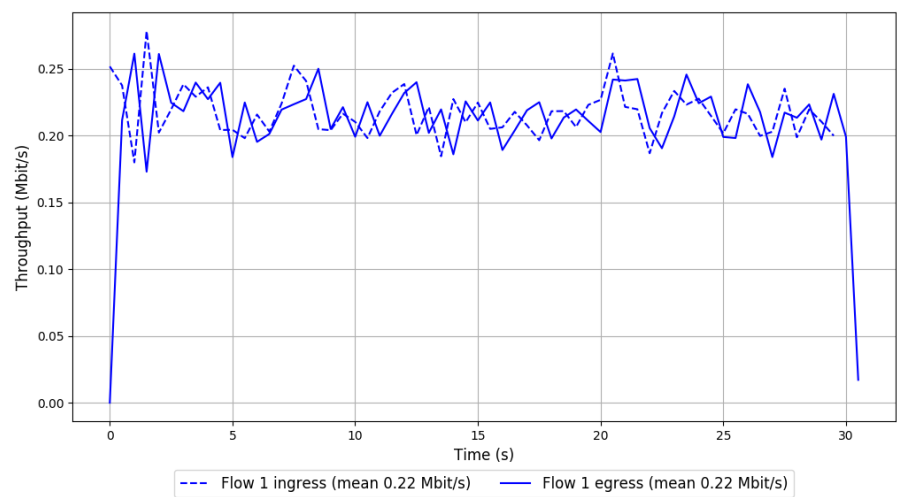


Run 2: Statistics of SCReAM

Start at: 2018-07-04 10:48:39
End at: 2018-07-04 10:49:09
Local clock offset: -0.066 ms
Remote clock offset: -1.309 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.257 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.257 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

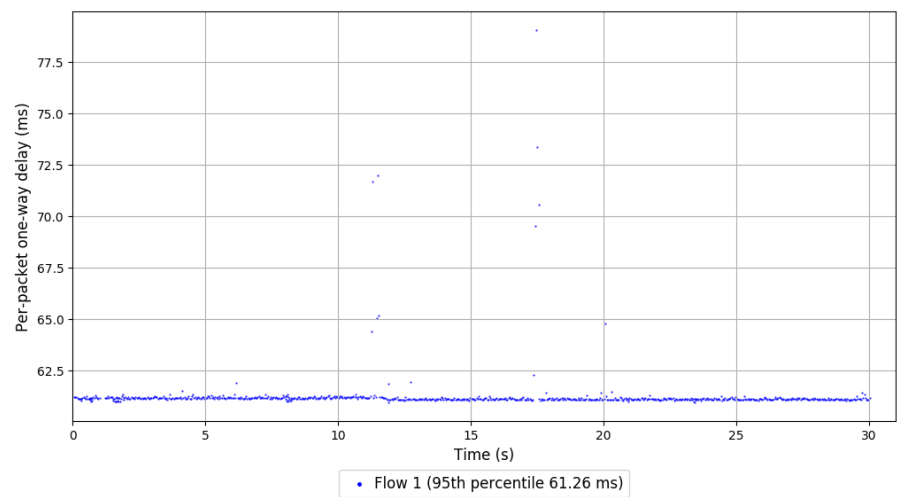
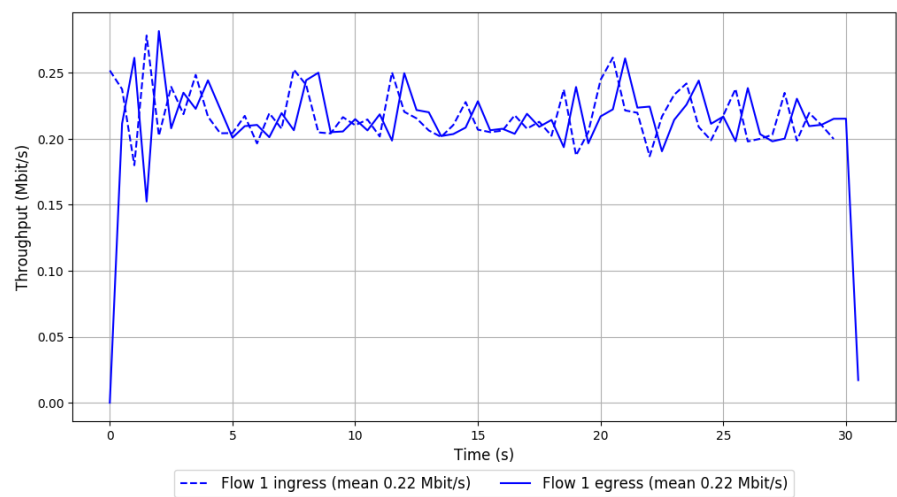


Run 3: Statistics of SCReAM

Start at: 2018-07-04 11:10:11
End at: 2018-07-04 11:10:41
Local clock offset: -0.042 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.255 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

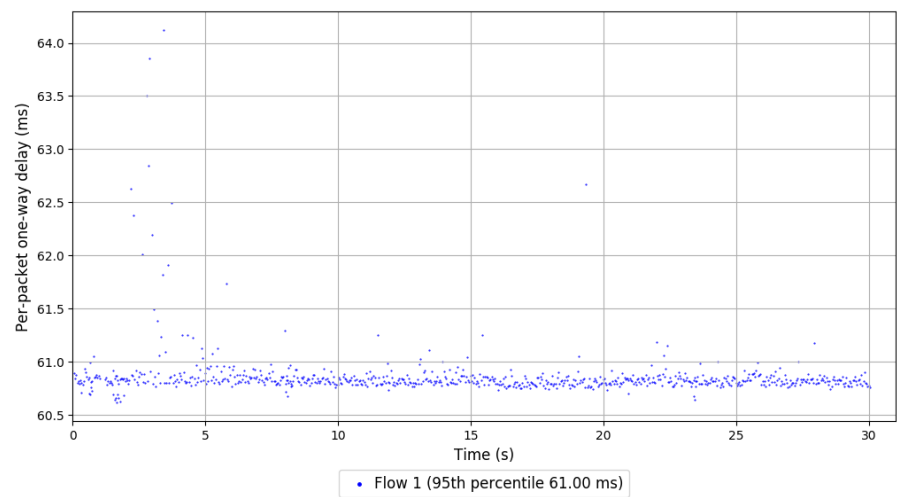
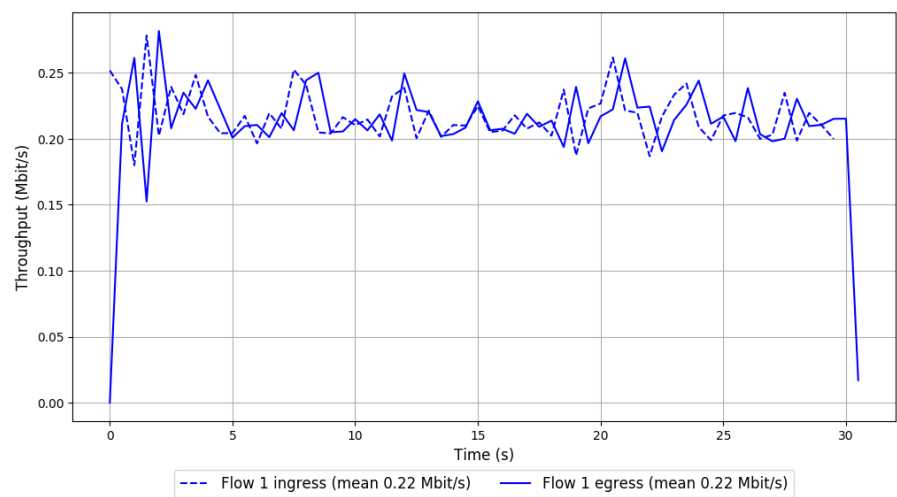


Run 4: Statistics of SCReAM

Start at: 2018-07-04 11:32:03
End at: 2018-07-04 11:32:33
Local clock offset: -0.01 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.998 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-04 11:53:57

End at: 2018-07-04 11:54:27

Local clock offset: -0.023 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.411 ms

Loss rate: 0.00%

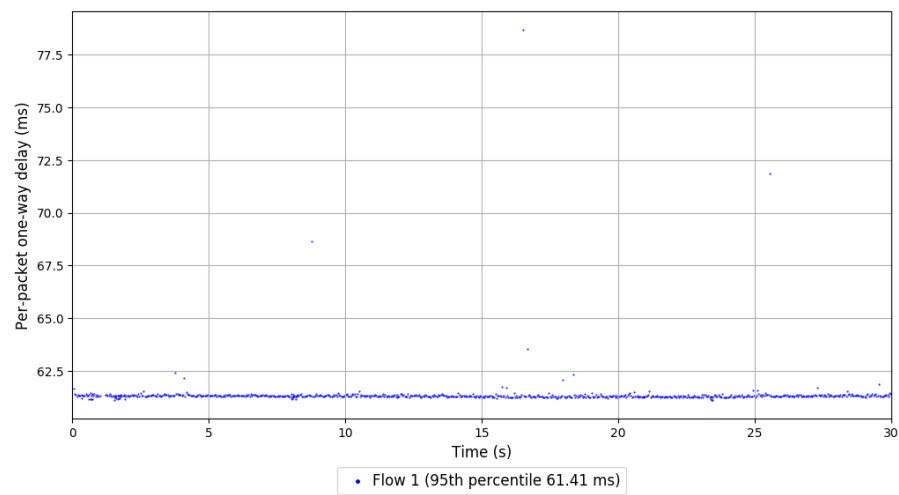
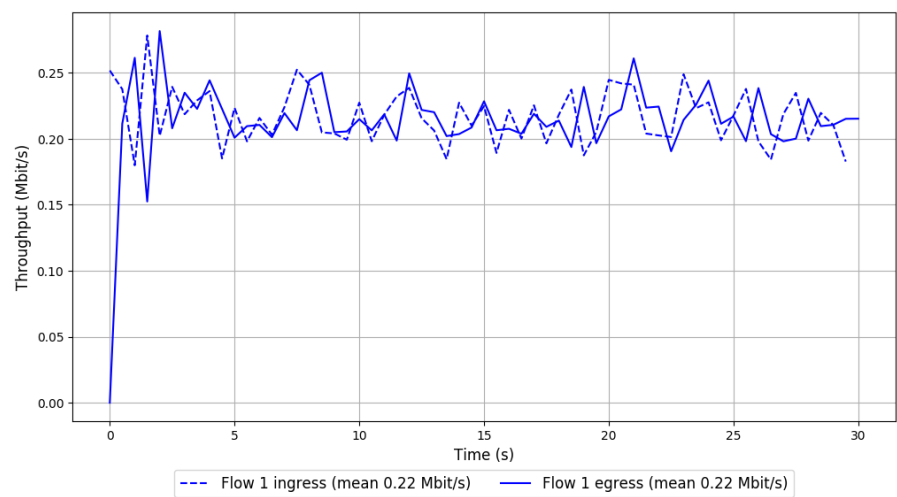
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.411 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-04 12:17:07

End at: 2018-07-04 12:17:37

Local clock offset: -0.02 ms

Remote clock offset: 1.286 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.547 ms

Loss rate: 0.00%

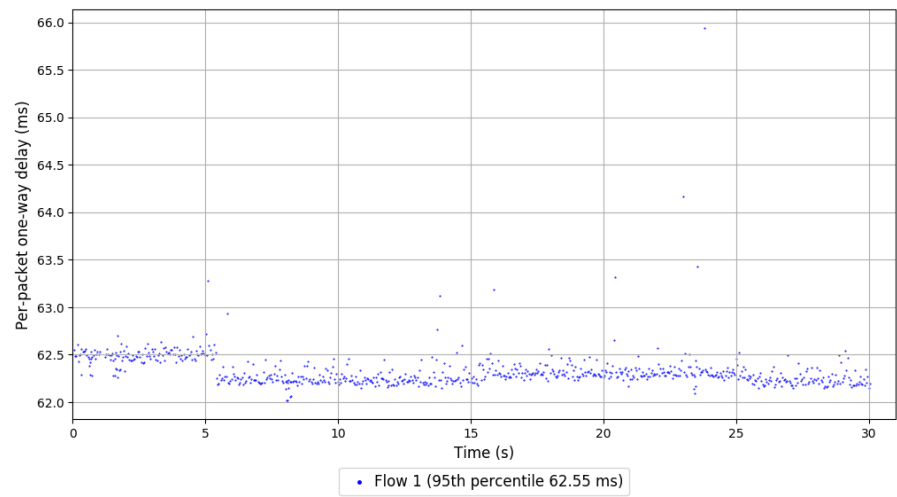
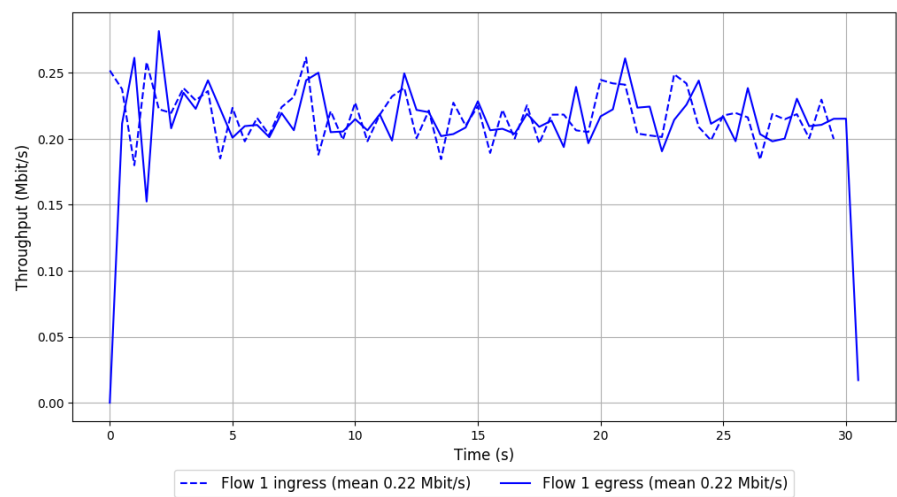
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.547 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

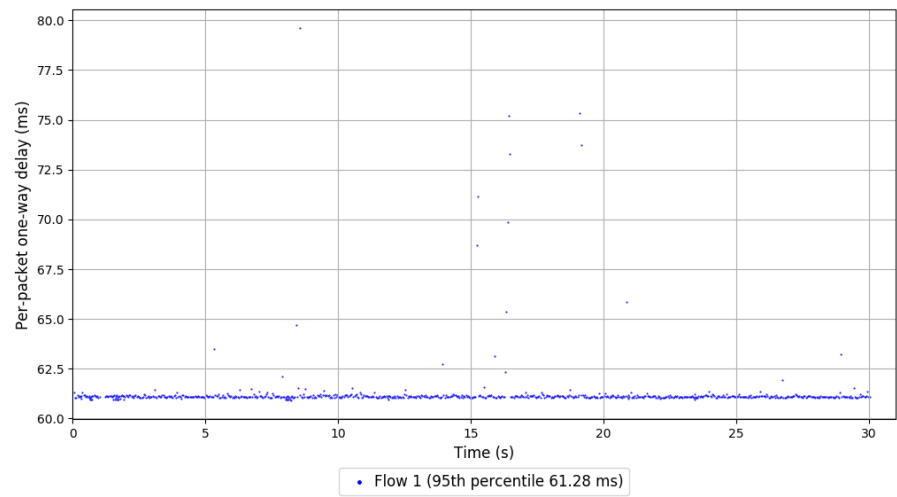
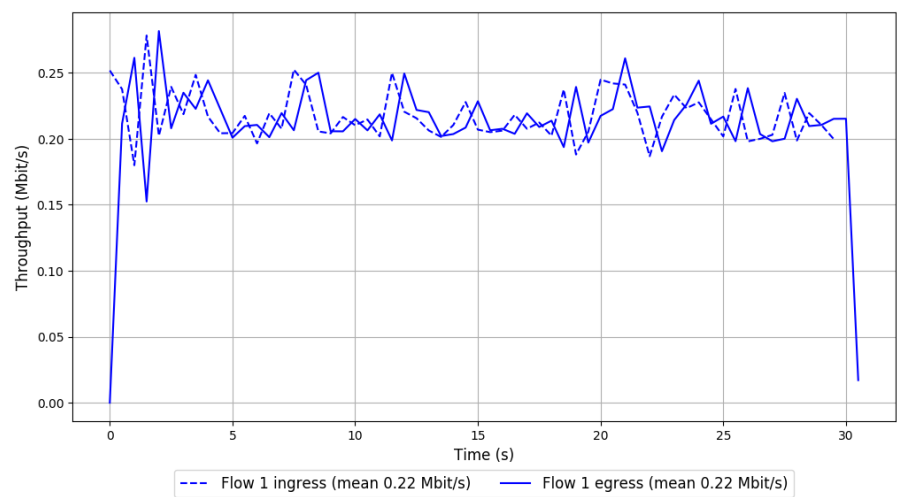


Run 7: Statistics of SCReAM

Start at: 2018-07-04 12:38:51
End at: 2018-07-04 12:39:21
Local clock offset: -0.028 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.279 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

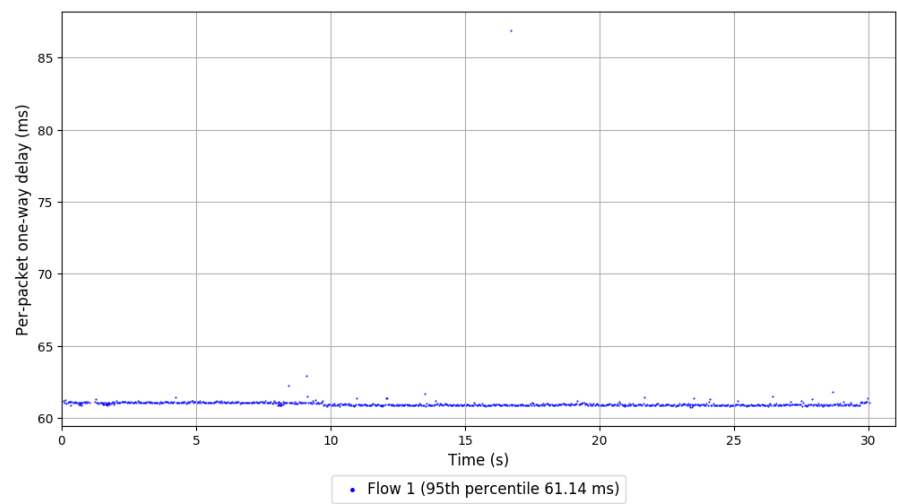
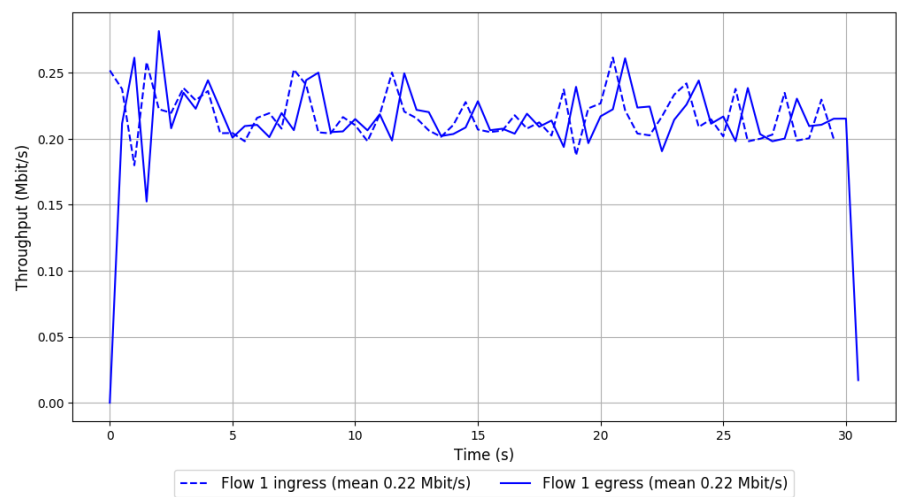


Run 8: Statistics of SCReAM

Start at: 2018-07-04 13:00:43
End at: 2018-07-04 13:01:13
Local clock offset: -0.02 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.144 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-04 13:22:33

End at: 2018-07-04 13:23:03

Local clock offset: -0.028 ms

Remote clock offset: -1.39 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 59.957 ms

Loss rate: 0.00%

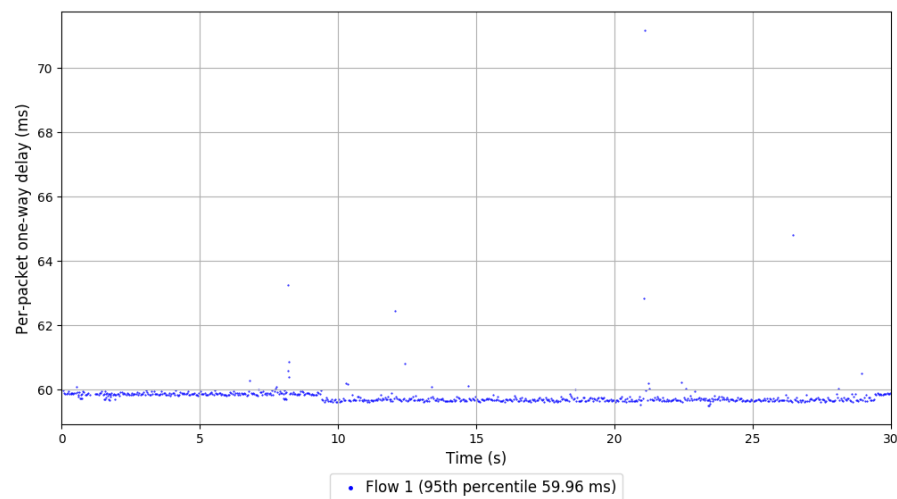
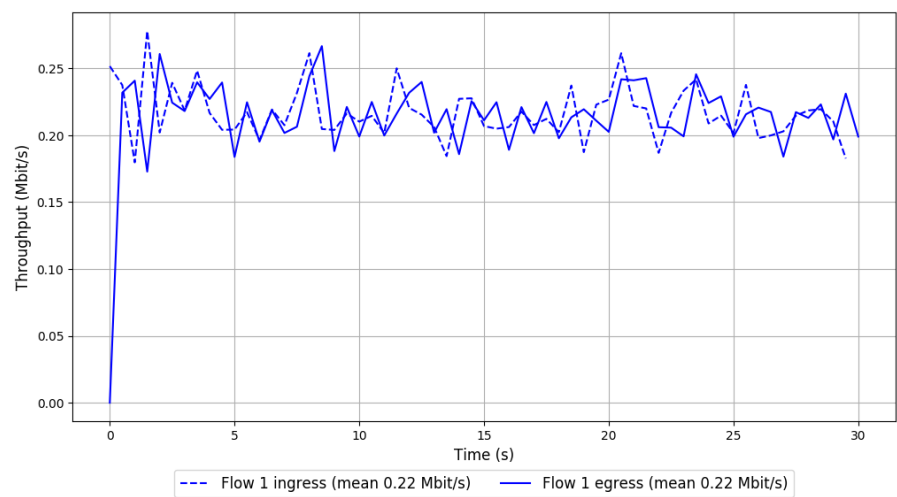
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 59.957 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-04 13:44:34

End at: 2018-07-04 13:45:04

Local clock offset: -0.029 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.200 ms

Loss rate: 0.00%

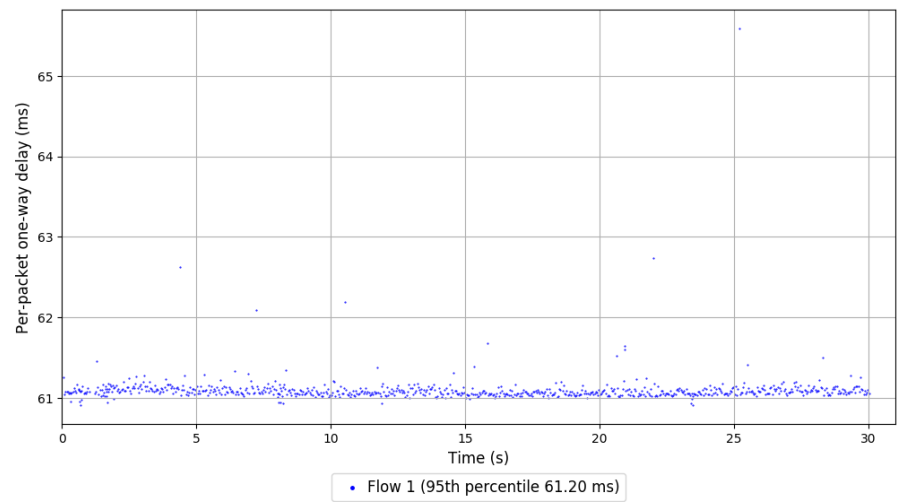
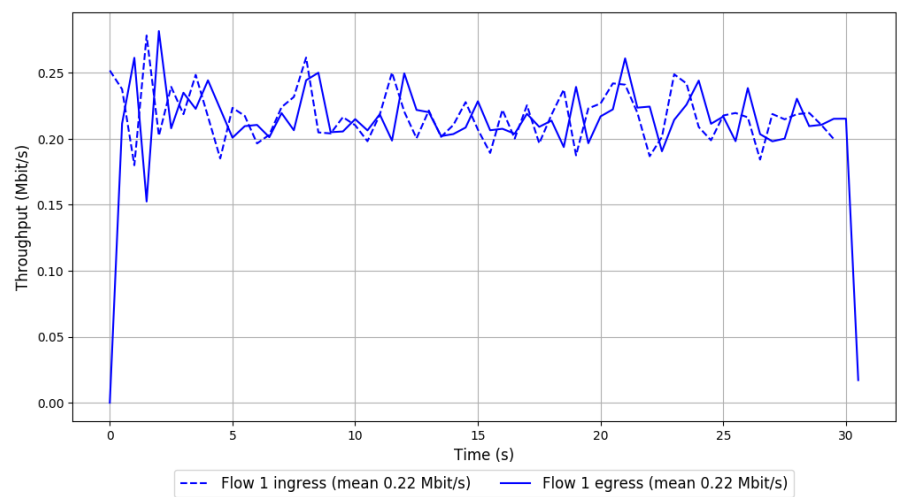
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.200 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

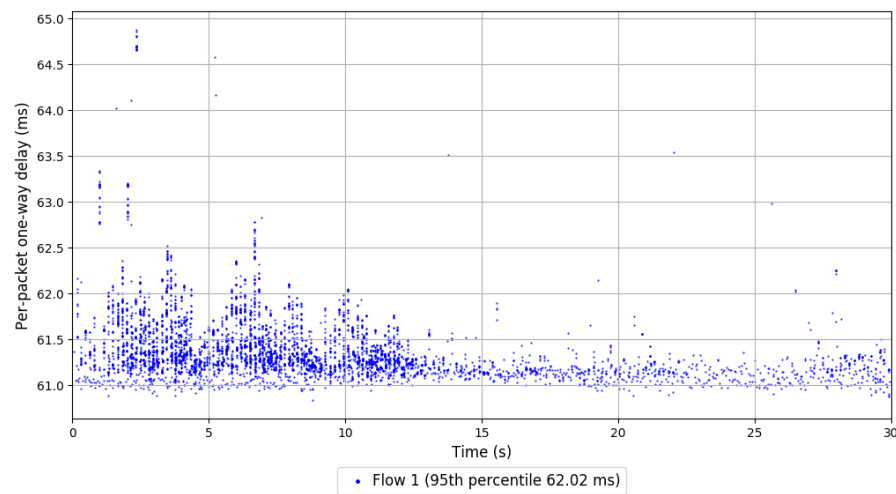
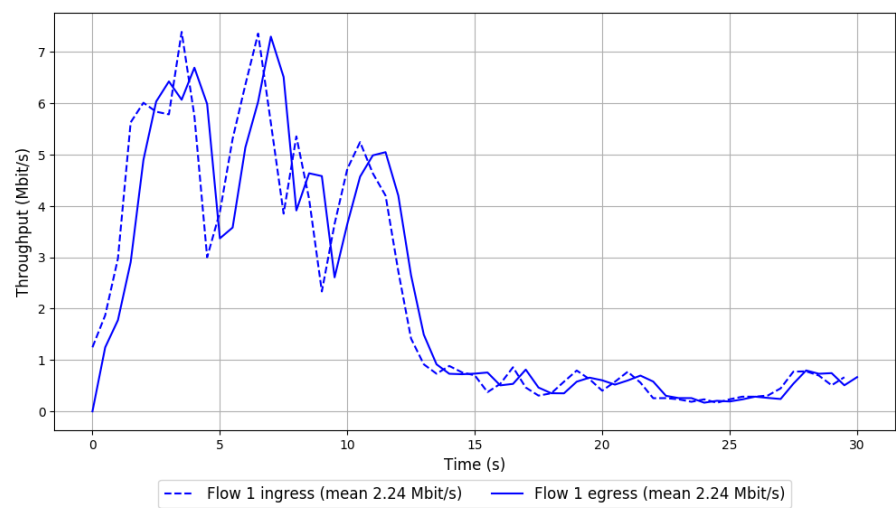


Run 1: Statistics of Sprout

Start at: 2018-07-04 10:36:03
End at: 2018-07-04 10:36:34
Local clock offset: -0.054 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 62.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 62.017 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

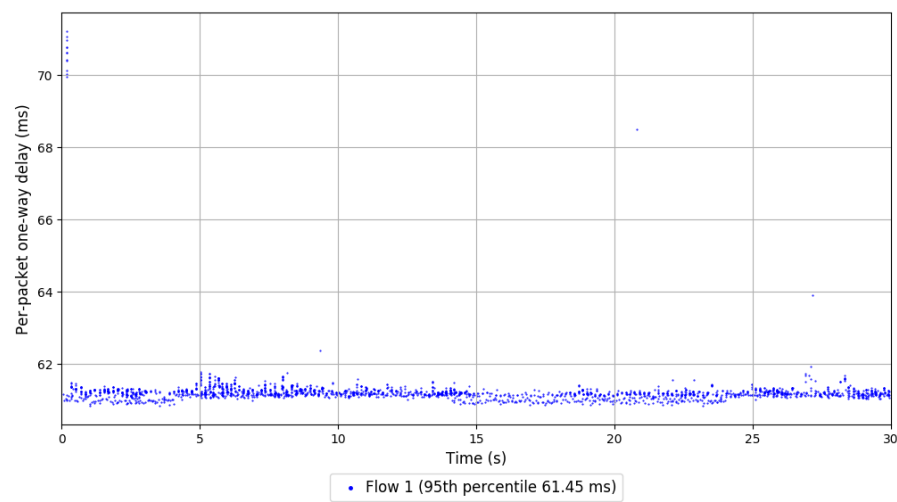
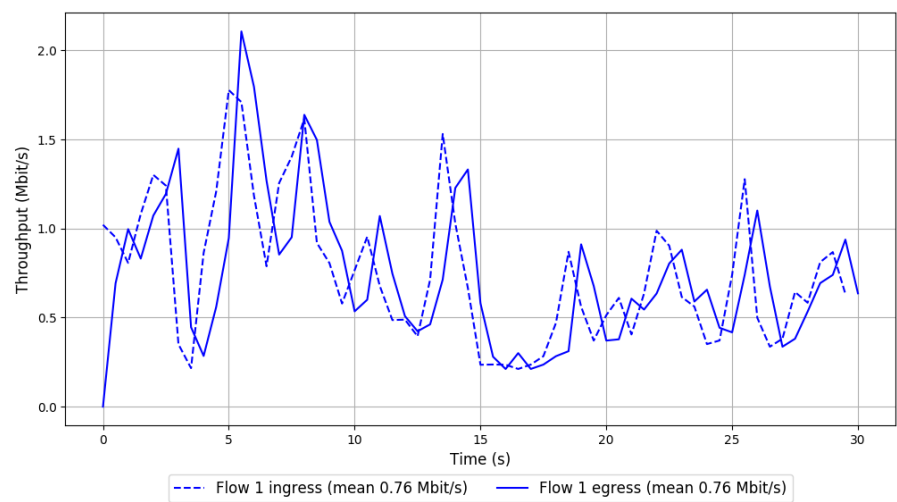


Run 2: Statistics of Sprout

Start at: 2018-07-04 10:57:38
End at: 2018-07-04 10:58:08
Local clock offset: -0.061 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 61.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 61.453 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

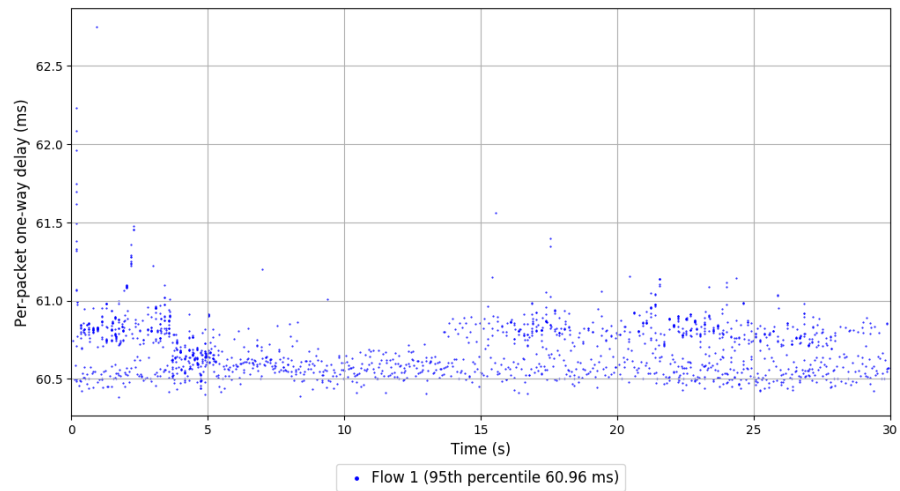
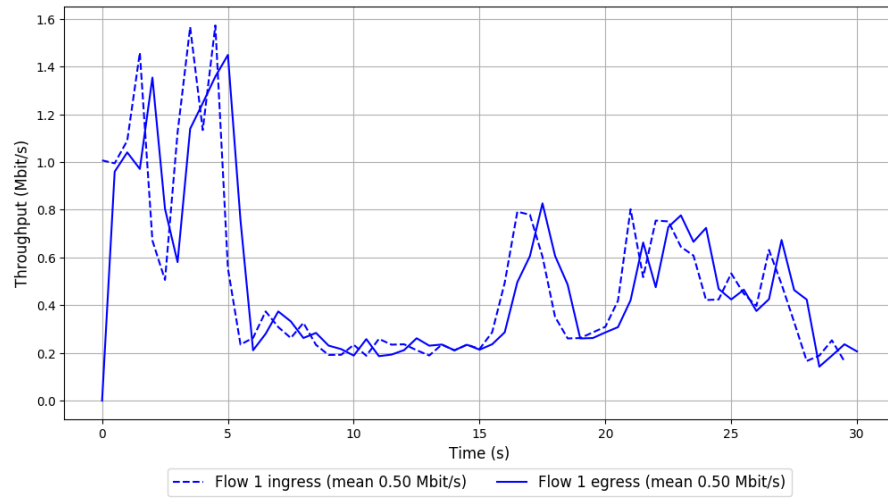


Run 3: Statistics of Sprout

Start at: 2018-07-04 11:19:19
End at: 2018-07-04 11:19:49
Local clock offset: -0.03 ms
Remote clock offset: -0.472 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 60.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 60.961 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-04 11:41:02

End at: 2018-07-04 11:41:32

Local clock offset: -0.018 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.72 Mbit/s

95th percentile per-packet one-way delay: 61.908 ms

Loss rate: 0.14%

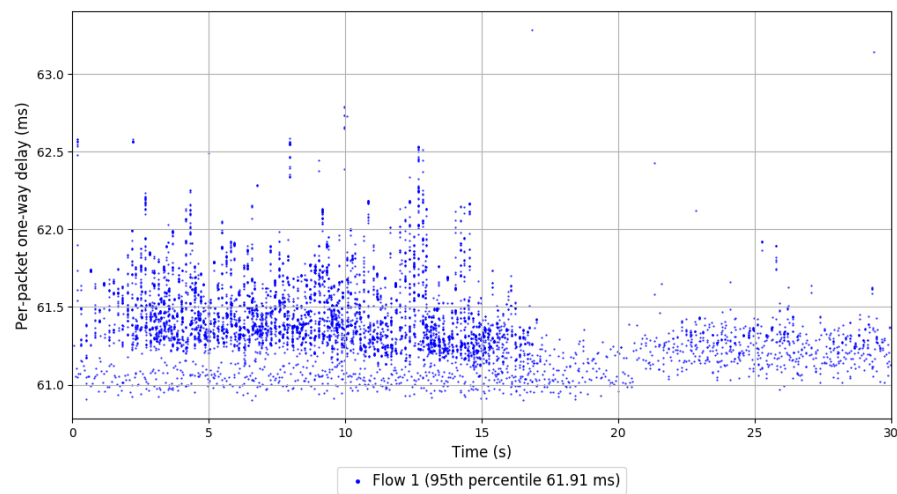
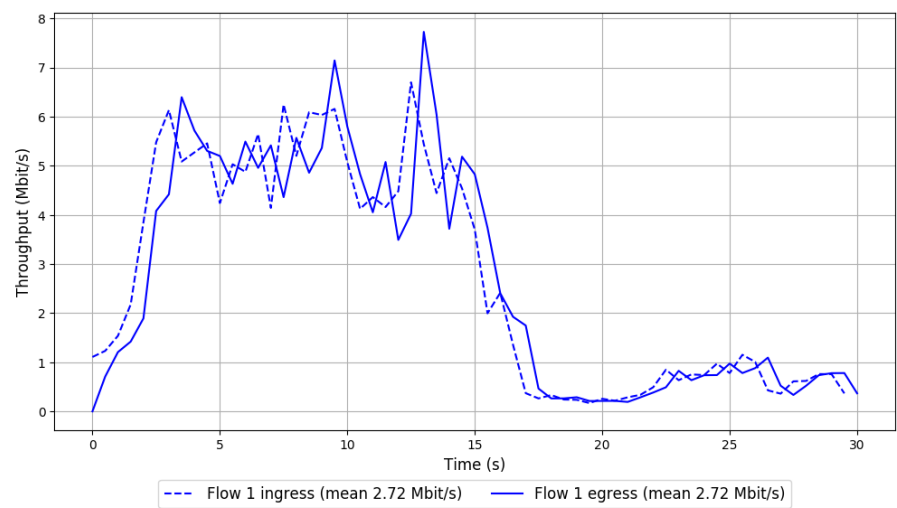
-- Flow 1:

Average throughput: 2.72 Mbit/s

95th percentile per-packet one-way delay: 61.908 ms

Loss rate: 0.14%

Run 4: Report of Sprout — Data Link

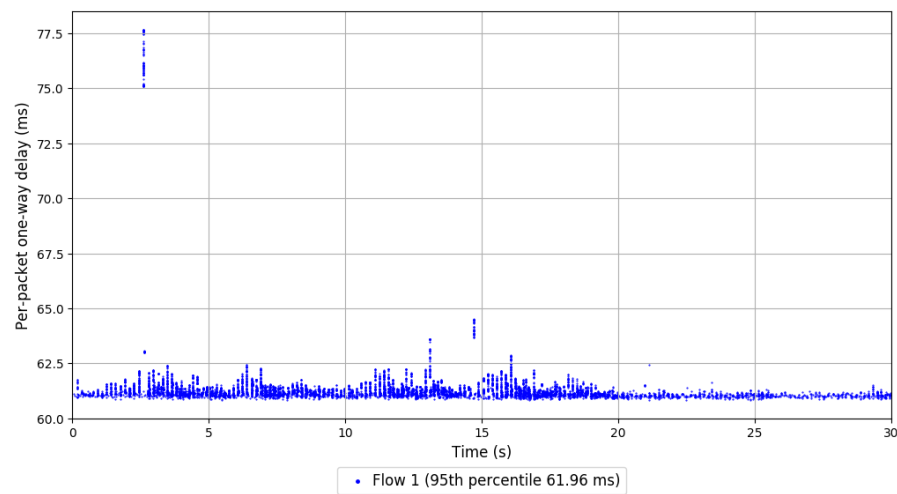
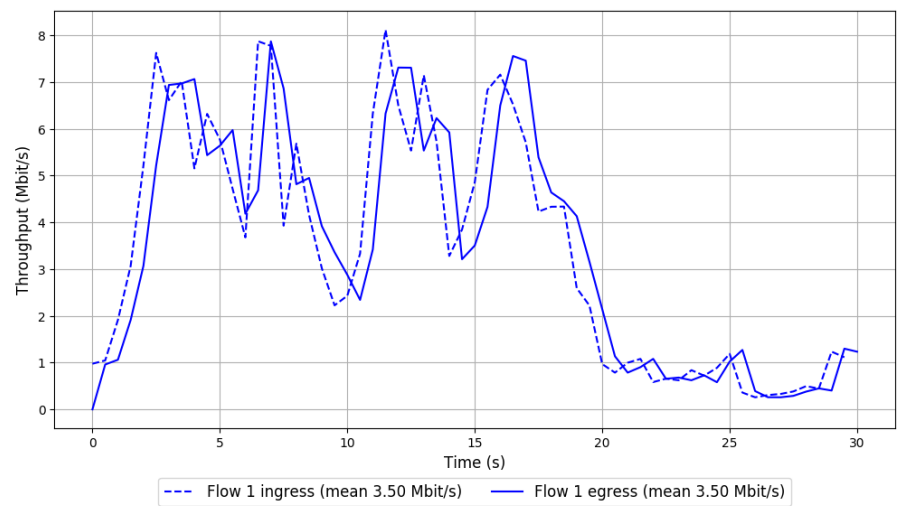


Run 5: Statistics of Sprout

Start at: 2018-07-04 12:03:29
End at: 2018-07-04 12:03:59
Local clock offset: -0.027 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-04 15:34:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 61.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 61.956 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-04 12:26:22

End at: 2018-07-04 12:26:52

Local clock offset: -0.041 ms

Remote clock offset: 1.274 ms

Below is generated by plot.py at 2018-07-04 15:34:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 62.744 ms

Loss rate: 0.00%

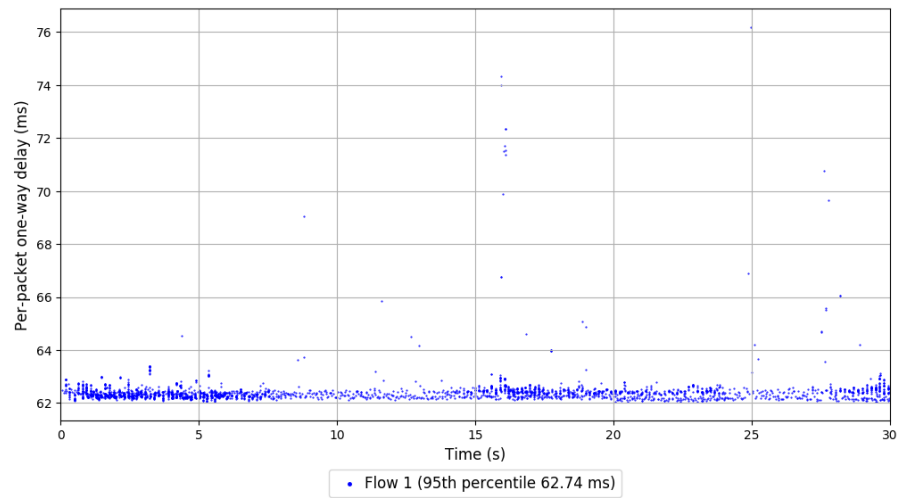
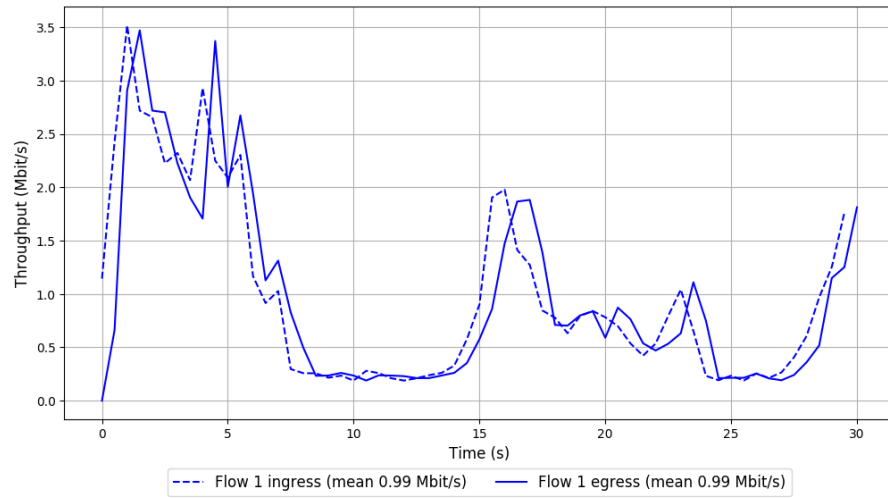
-- Flow 1:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 62.744 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

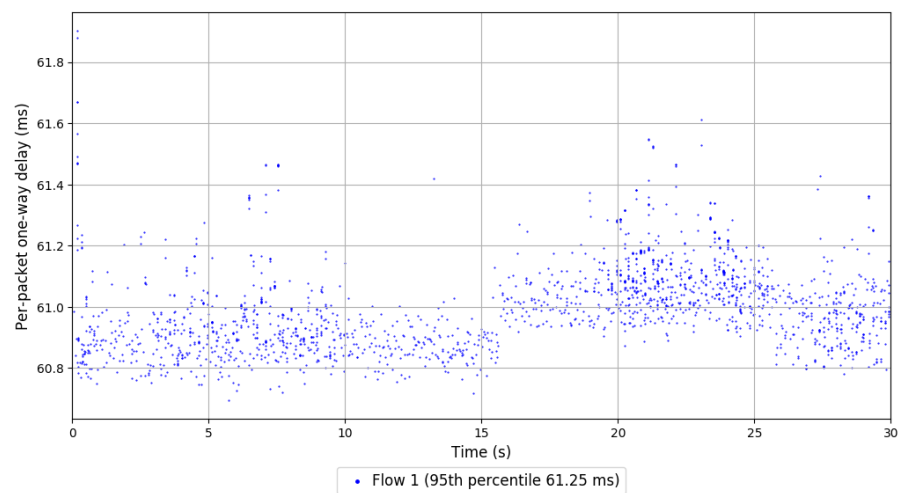
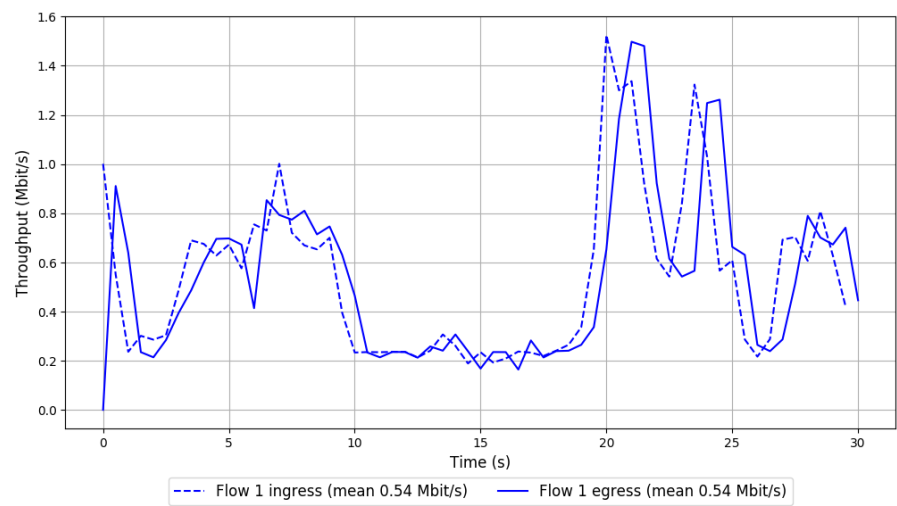


Run 7: Statistics of Sprout

Start at: 2018-07-04 12:48:07
End at: 2018-07-04 12:48:37
Local clock offset: -0.016 ms
Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-04 15:34:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 61.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 61.250 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

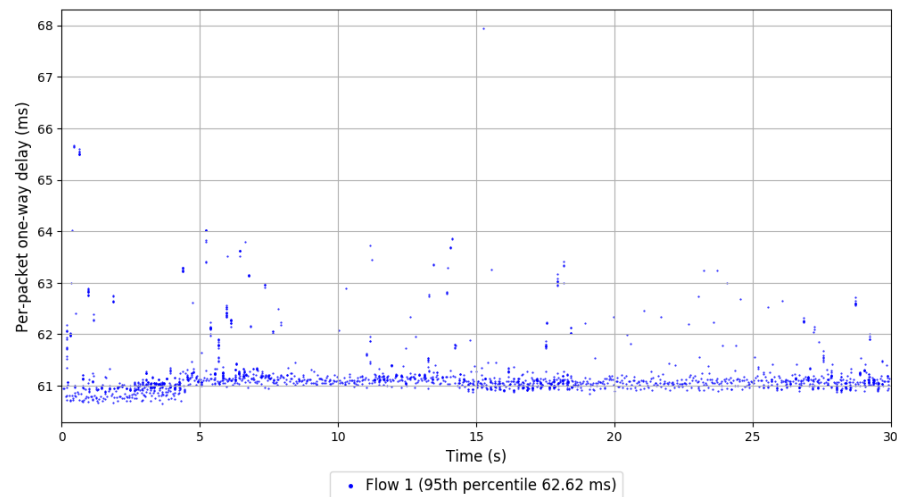
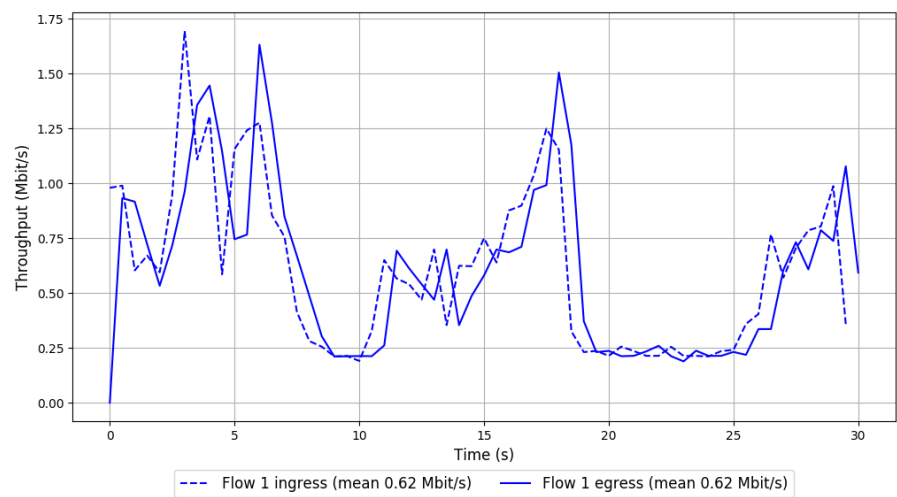


Run 8: Statistics of Sprout

Start at: 2018-07-04 13:09:48
End at: 2018-07-04 13:10:18
Local clock offset: -0.038 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-04 15:34:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 62.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 62.625 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

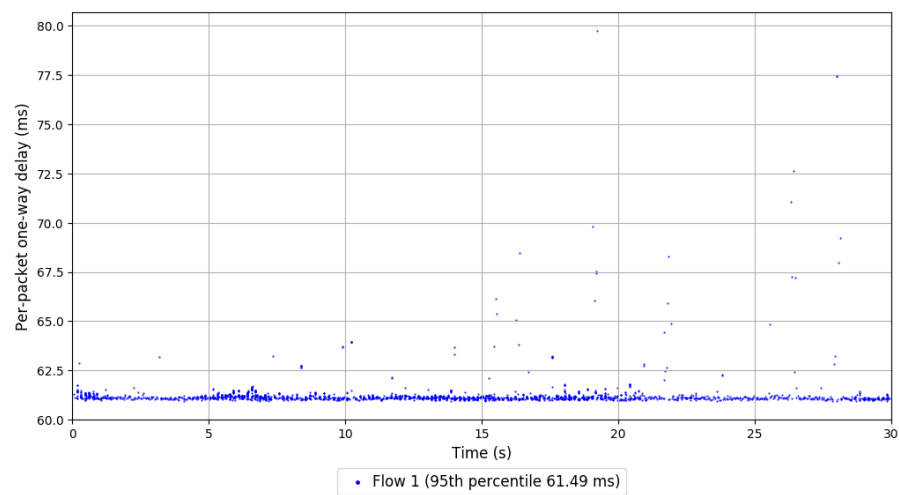
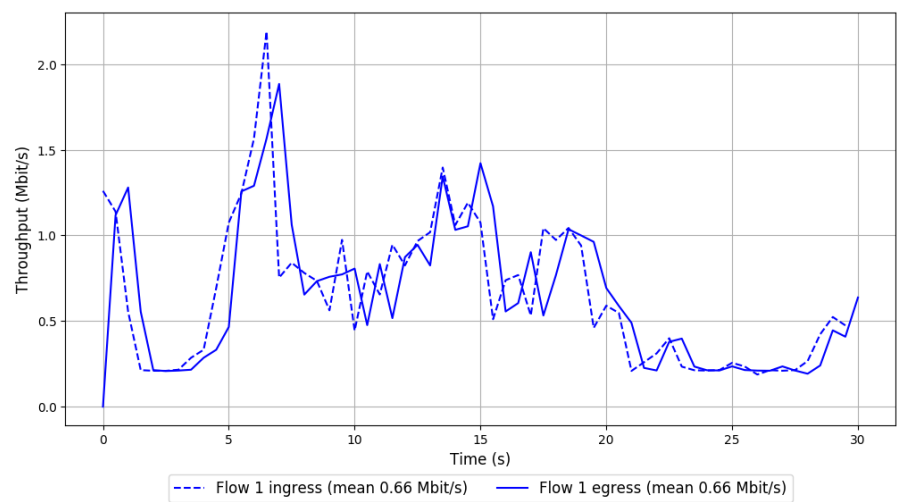


Run 9: Statistics of Sprout

Start at: 2018-07-04 13:31:49
End at: 2018-07-04 13:32:19
Local clock offset: -0.031 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-04 15:34:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 61.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 61.495 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

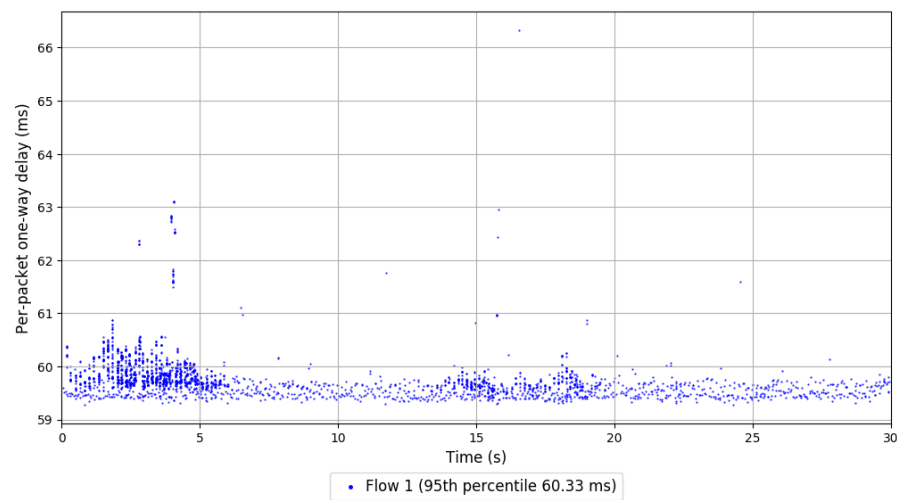
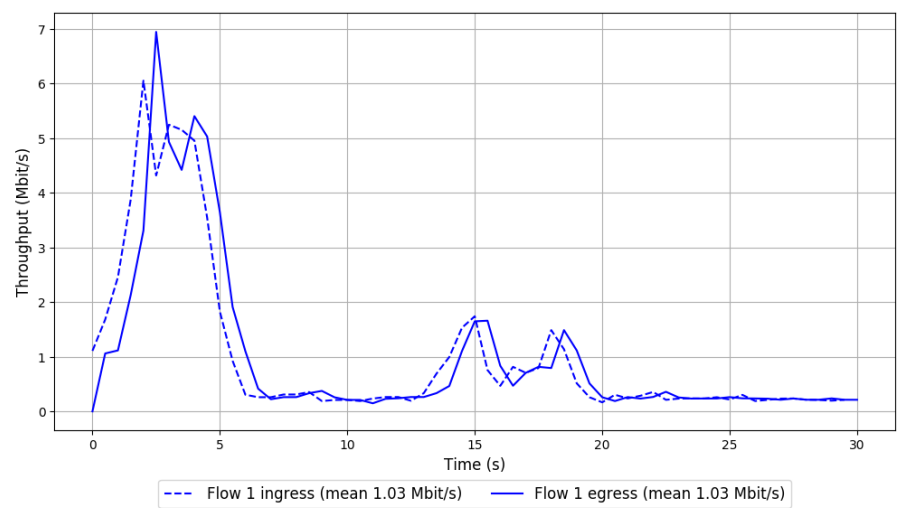


Run 10: Statistics of Sprout

Start at: 2018-07-04 13:53:43
End at: 2018-07-04 13:54:13
Local clock offset: -0.015 ms
Remote clock offset: -1.335 ms

Below is generated by plot.py at 2018-07-04 15:34:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 60.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 60.331 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-04 10:34:41

End at: 2018-07-04 10:35:11

Local clock offset: -0.091 ms

Remote clock offset: 1.064 ms

Below is generated by plot.py at 2018-07-04 15:38:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.53 Mbit/s

95th percentile per-packet one-way delay: 62.854 ms

Loss rate: 0.00%

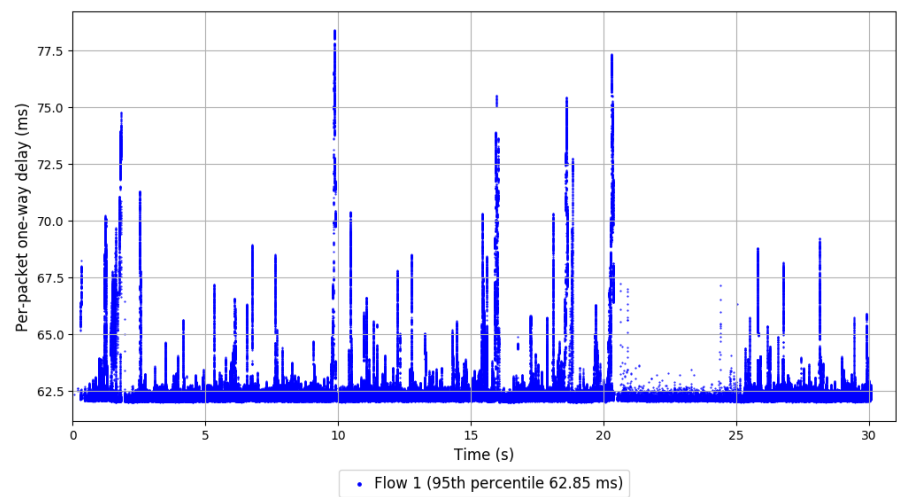
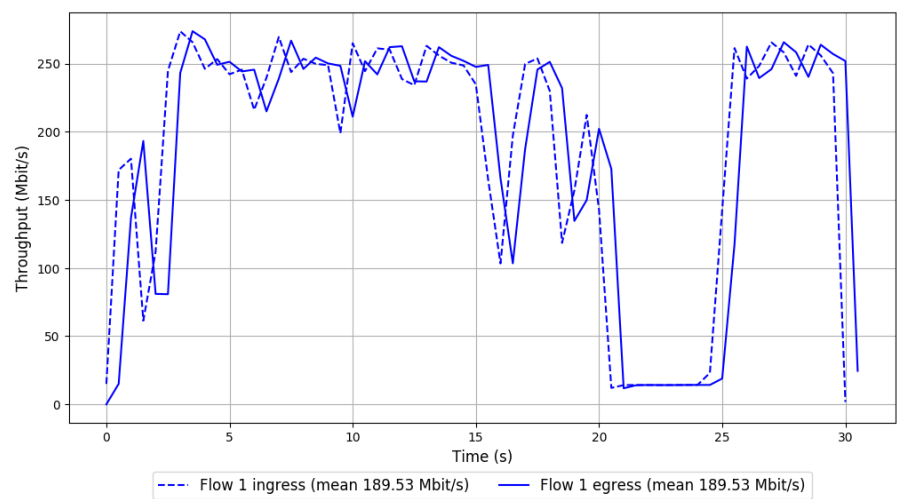
-- Flow 1:

Average throughput: 189.53 Mbit/s

95th percentile per-packet one-way delay: 62.854 ms

Loss rate: 0.00%

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

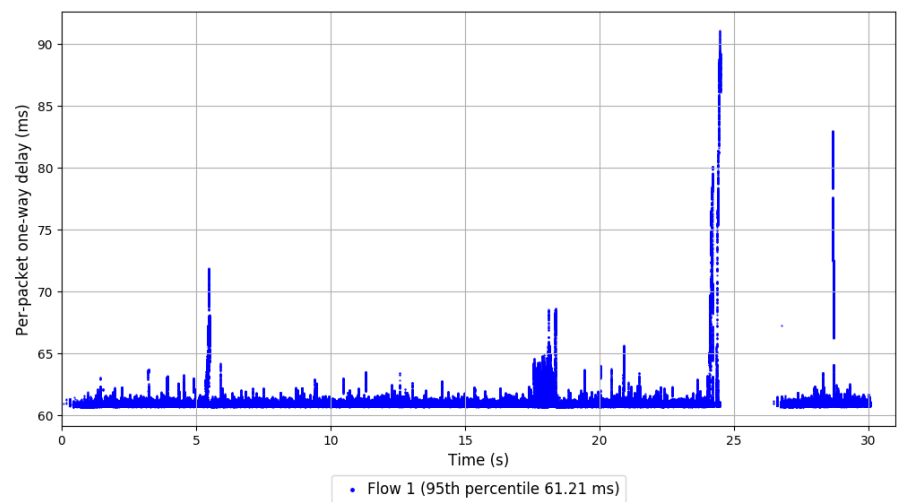
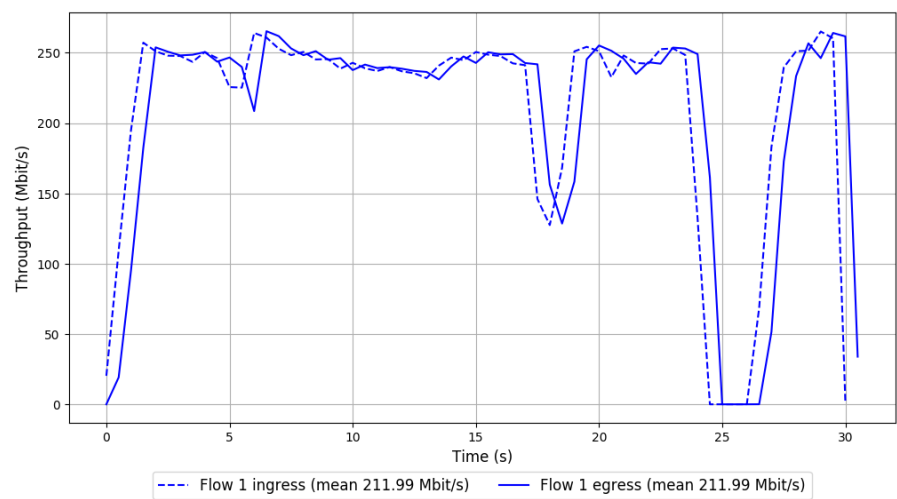


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-04 10:56:13
End at: 2018-07-04 10:56:43
Local clock offset: -0.078 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-07-04 15:39:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.99 Mbit/s
95th percentile per-packet one-way delay: 61.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.99 Mbit/s
95th percentile per-packet one-way delay: 61.214 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-04 11:17:52

End at: 2018-07-04 11:18:22

Local clock offset: 0.002 ms

Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-04 15:40:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.63 Mbit/s

95th percentile per-packet one-way delay: 61.432 ms

Loss rate: 0.00%

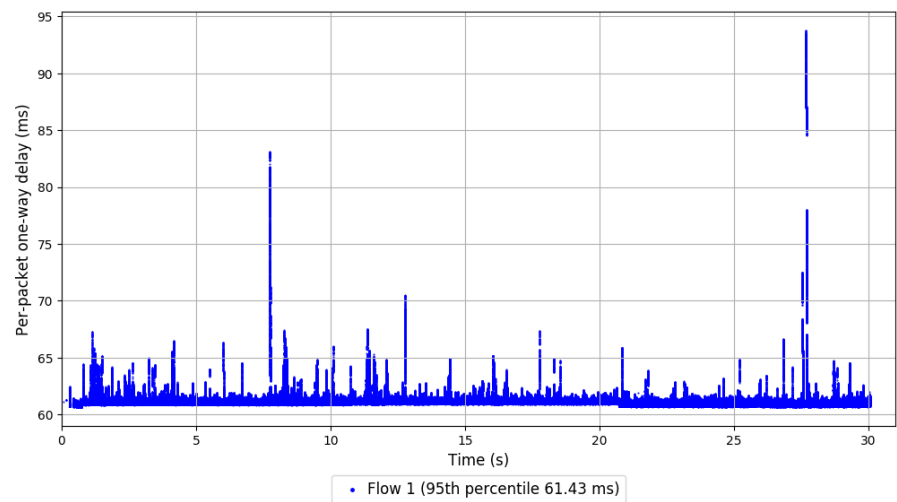
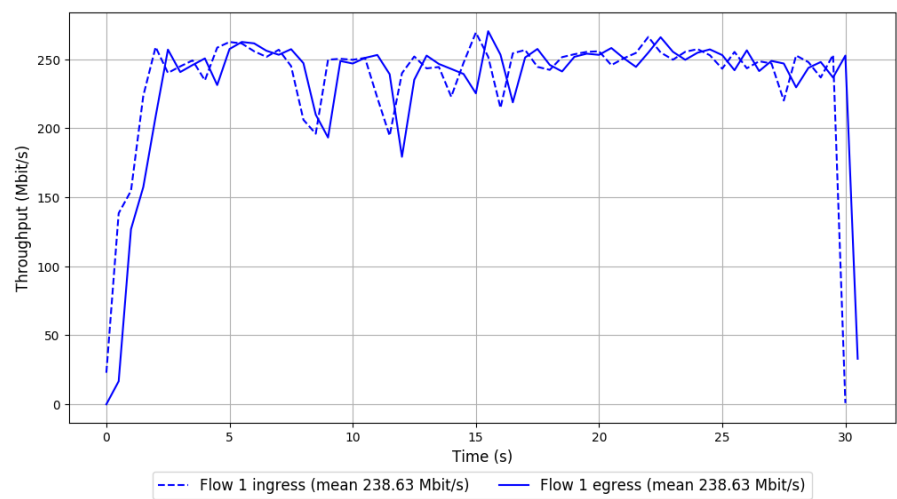
-- Flow 1:

Average throughput: 238.63 Mbit/s

95th percentile per-packet one-way delay: 61.432 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-04 11:39:39

End at: 2018-07-04 11:40:09

Local clock offset: -0.016 ms

Remote clock offset: 1.189 ms

Below is generated by plot.py at 2018-07-04 15:40:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.33 Mbit/s

95th percentile per-packet one-way delay: 62.656 ms

Loss rate: 0.00%

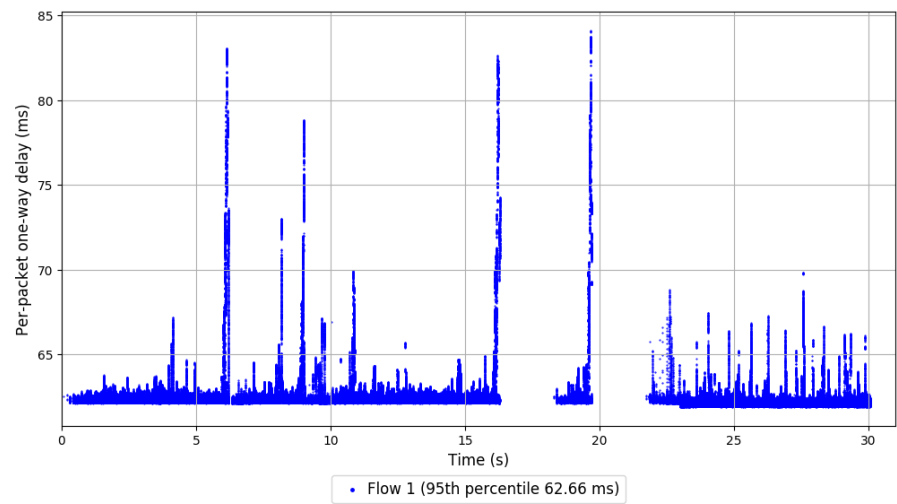
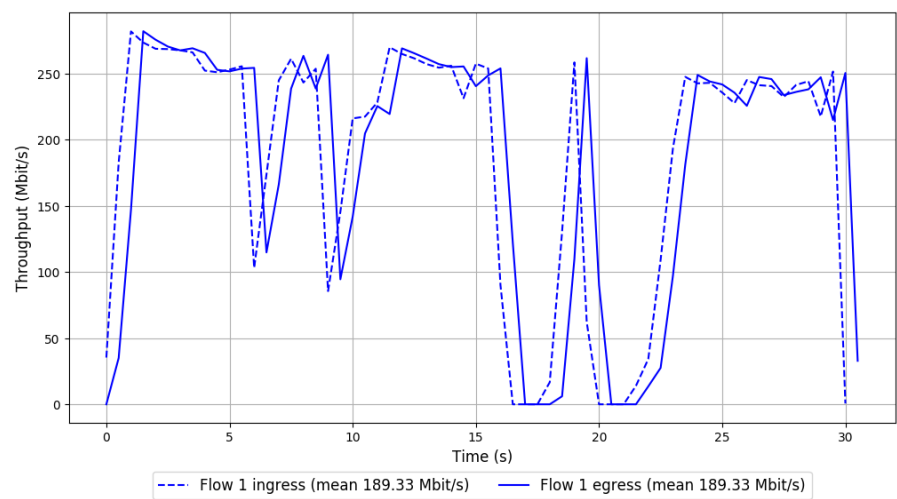
-- Flow 1:

Average throughput: 189.33 Mbit/s

95th percentile per-packet one-way delay: 62.656 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-04 12:02:01

End at: 2018-07-04 12:02:31

Local clock offset: 0.022 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-04 15:40:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.44 Mbit/s

95th percentile per-packet one-way delay: 61.391 ms

Loss rate: 0.00%

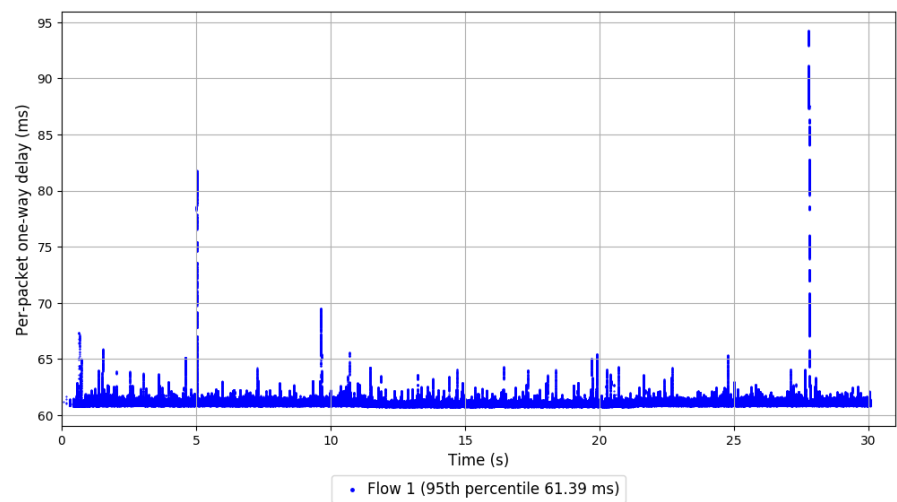
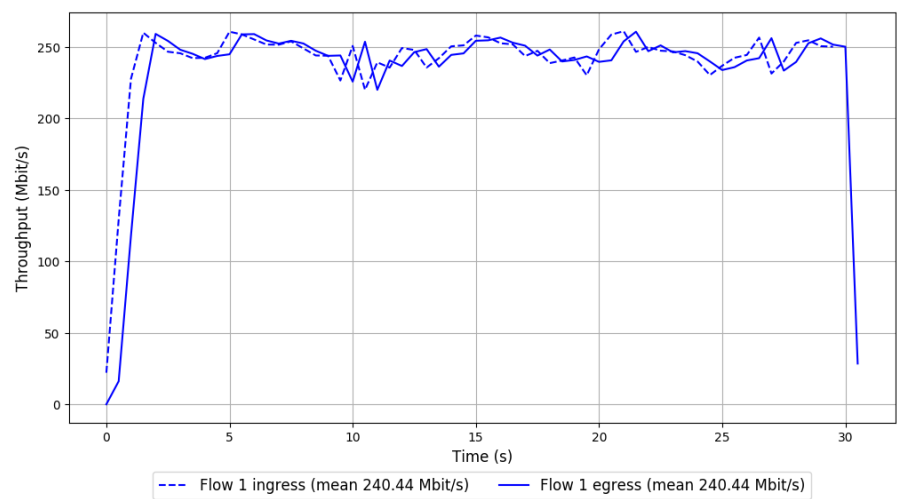
-- Flow 1:

Average throughput: 240.44 Mbit/s

95th percentile per-packet one-way delay: 61.391 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-04 12:24:55

End at: 2018-07-04 12:25:25

Local clock offset: -0.01 ms

Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-04 15:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.58 Mbit/s

95th percentile per-packet one-way delay: 61.159 ms

Loss rate: 0.00%

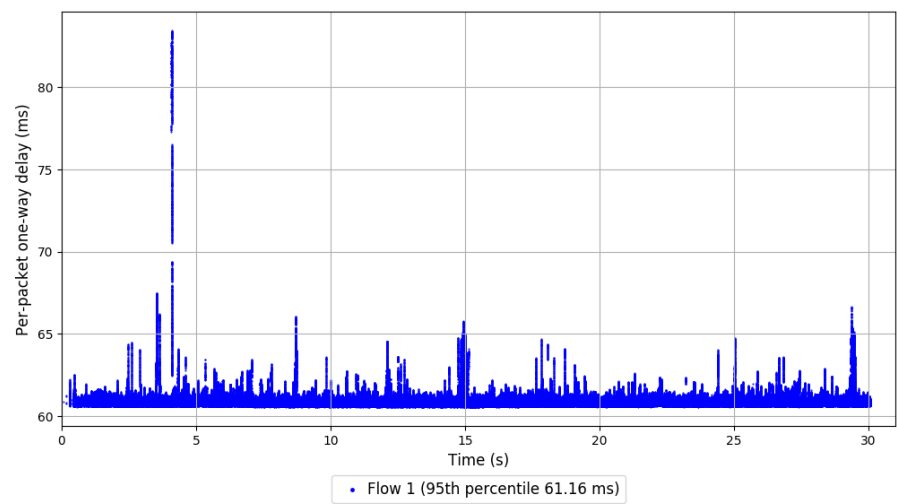
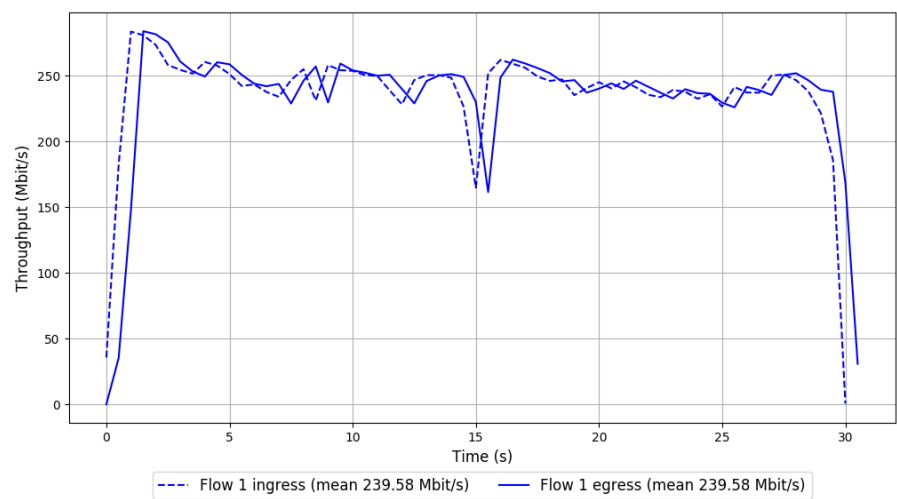
-- Flow 1:

Average throughput: 239.58 Mbit/s

95th percentile per-packet one-way delay: 61.159 ms

Loss rate: 0.00%

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

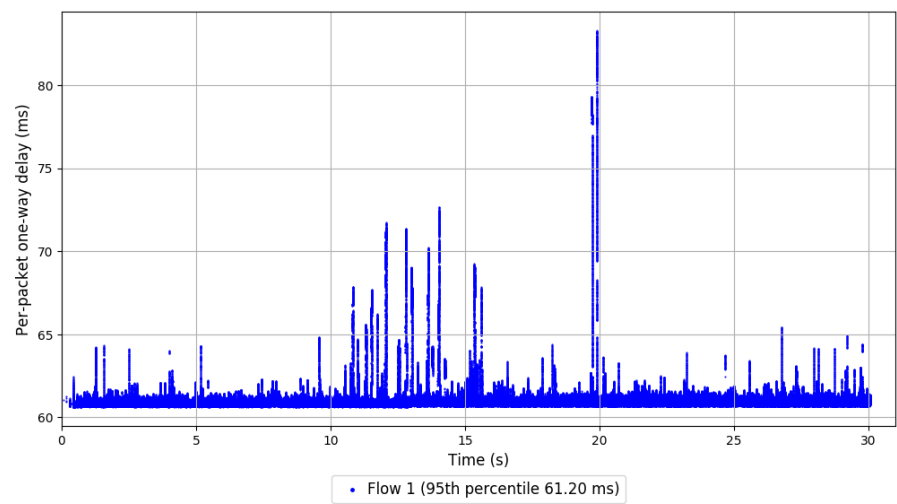
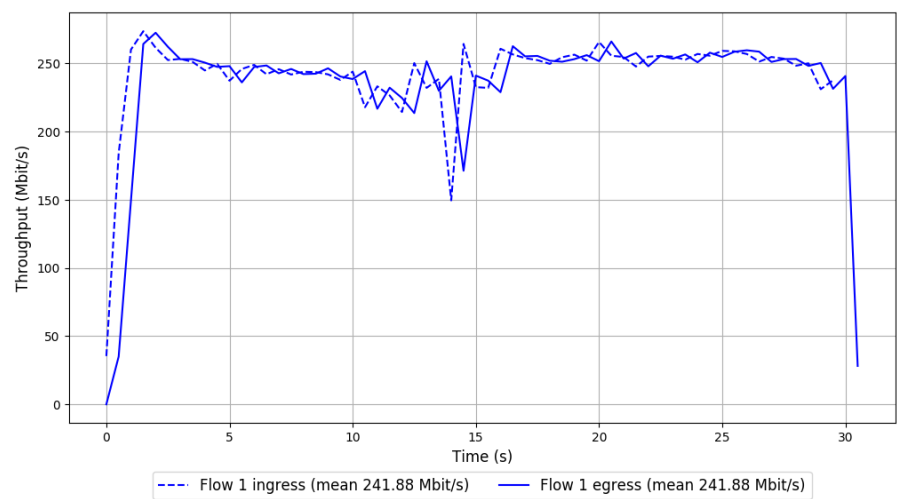


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-04 12:46:40
End at: 2018-07-04 12:47:10
Local clock offset: -0.009 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-04 15:43:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.88 Mbit/s
95th percentile per-packet one-way delay: 61.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.88 Mbit/s
95th percentile per-packet one-way delay: 61.200 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-04 13:08:20

End at: 2018-07-04 13:08:50

Local clock offset: -0.033 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-04 15:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.96 Mbit/s

95th percentile per-packet one-way delay: 61.438 ms

Loss rate: 0.00%

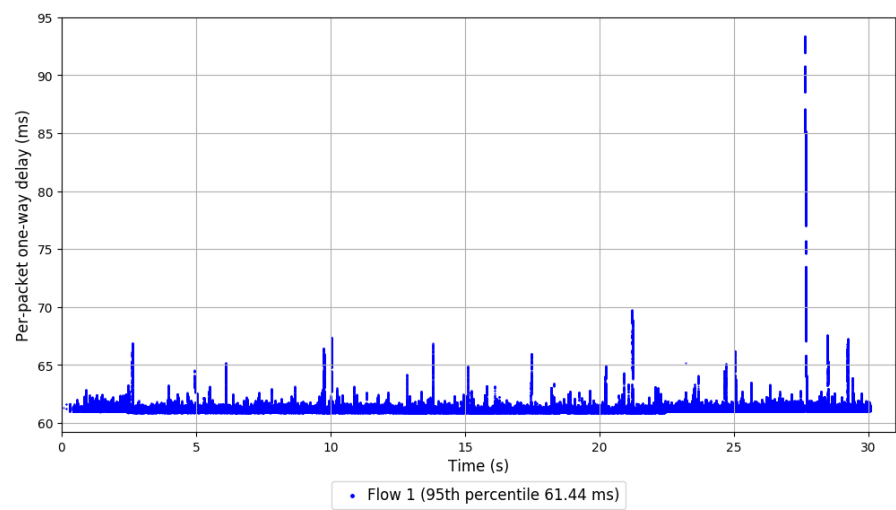
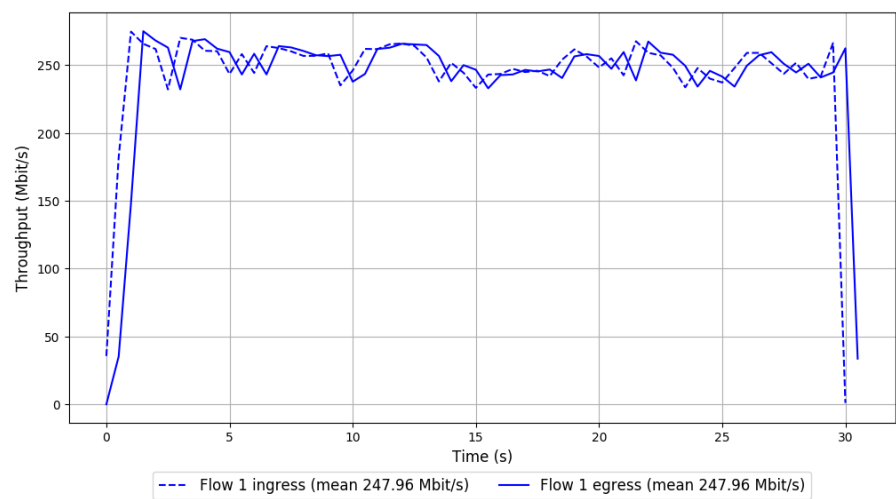
-- Flow 1:

Average throughput: 247.96 Mbit/s

95th percentile per-packet one-way delay: 61.438 ms

Loss rate: 0.00%

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

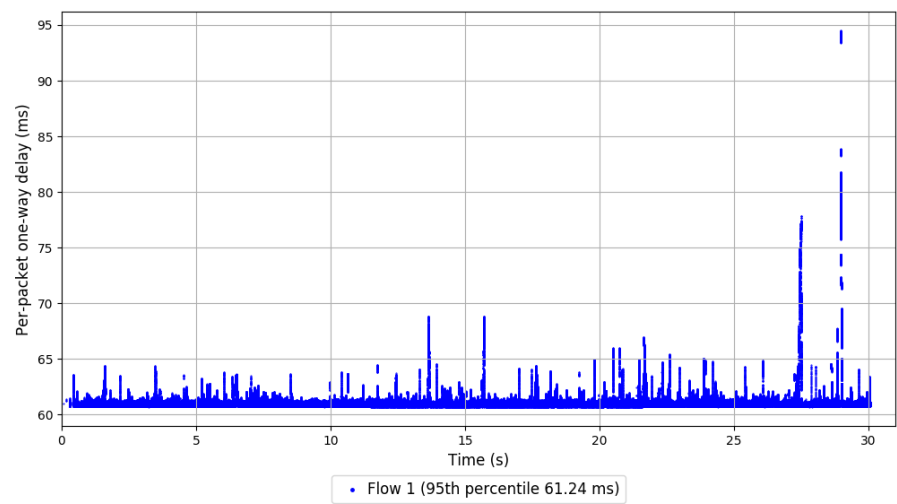
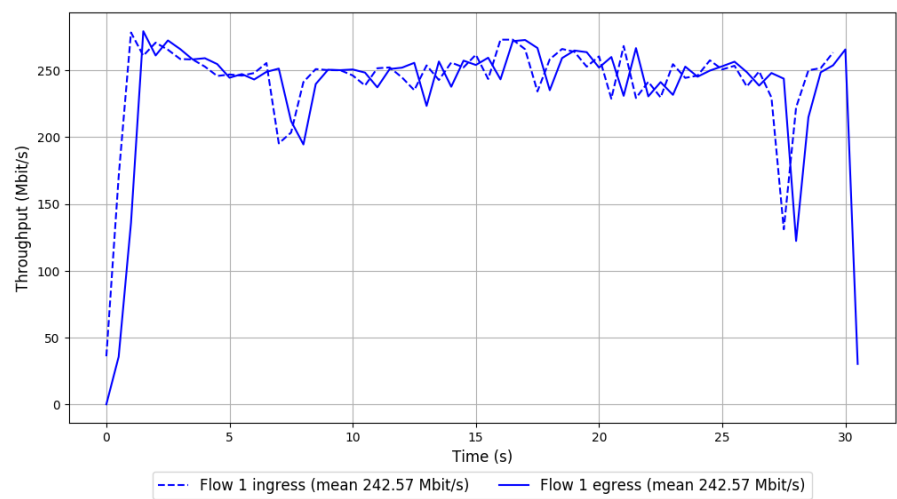


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-04 13:30:21
End at: 2018-07-04 13:30:51
Local clock offset: -0.027 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-04 15:47:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.57 Mbit/s
95th percentile per-packet one-way delay: 61.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 242.57 Mbit/s
95th percentile per-packet one-way delay: 61.241 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-04 13:52:15

End at: 2018-07-04 13:52:46

Local clock offset: -0.051 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-07-04 15:47:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.86 Mbit/s

95th percentile per-packet one-way delay: 61.541 ms

Loss rate: 0.00%

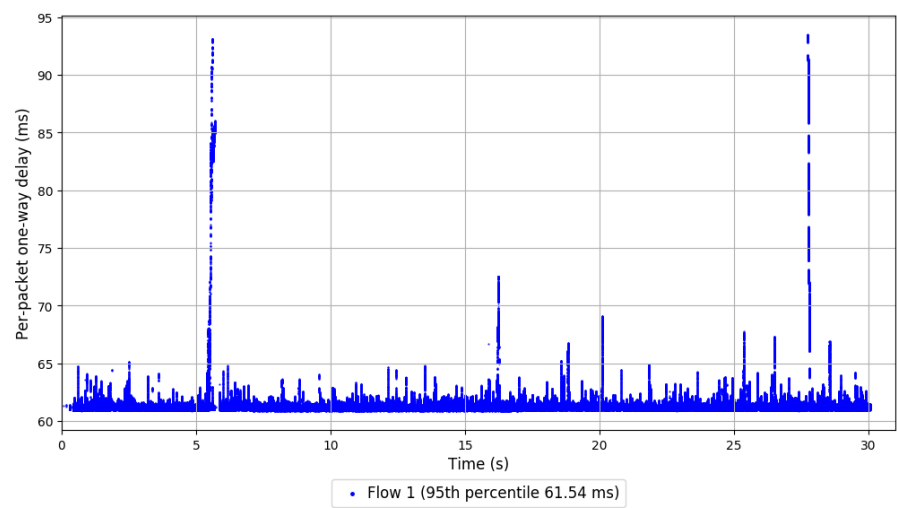
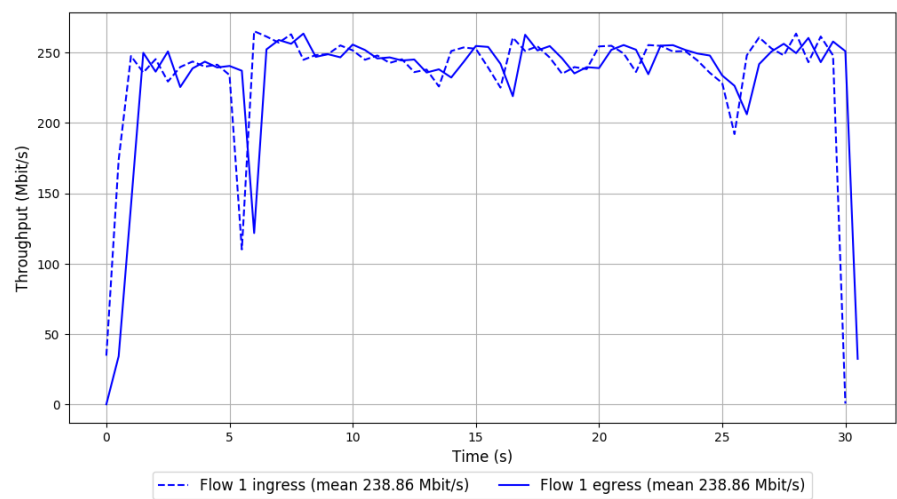
-- Flow 1:

Average throughput: 238.86 Mbit/s

95th percentile per-packet one-way delay: 61.541 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-04 10:25:50

End at: 2018-07-04 10:26:20

Local clock offset: -0.079 ms

Remote clock offset: 1.422 ms

Below is generated by plot.py at 2018-07-04 15:47:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.42 Mbit/s

95th percentile per-packet one-way delay: 73.241 ms

Loss rate: 0.00%

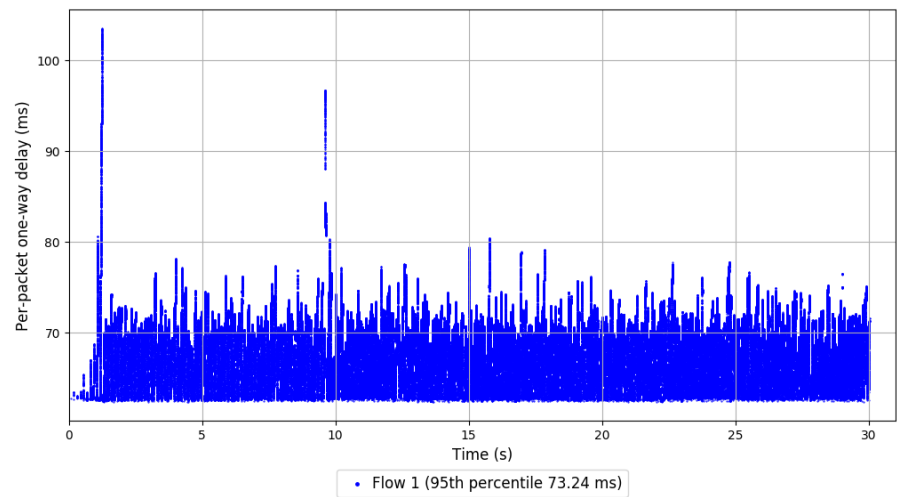
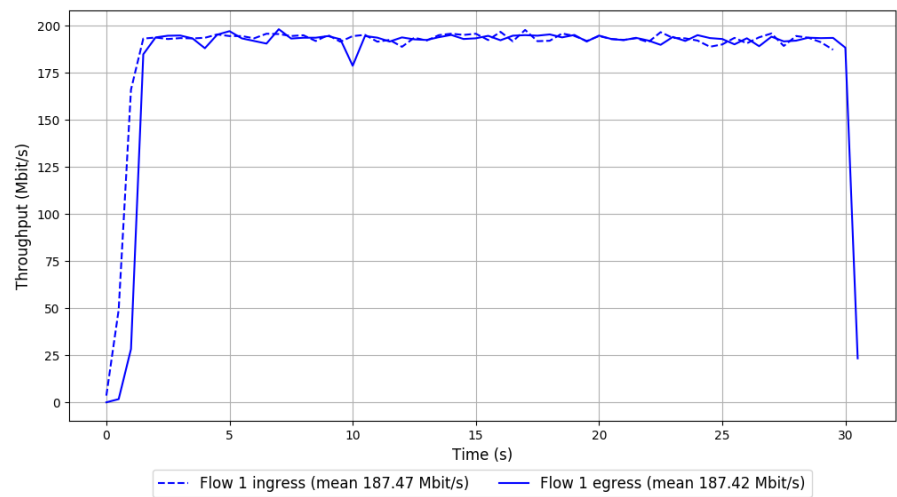
-- Flow 1:

Average throughput: 187.42 Mbit/s

95th percentile per-packet one-way delay: 73.241 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-04 10:47:30

End at: 2018-07-04 10:48:00

Local clock offset: -0.07 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-07-04 15:47:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.56 Mbit/s

95th percentile per-packet one-way delay: 61.966 ms

Loss rate: 0.00%

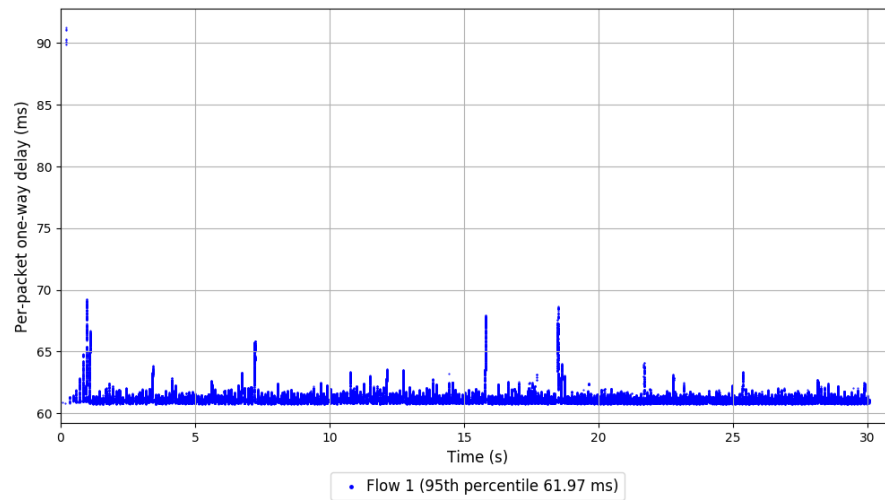
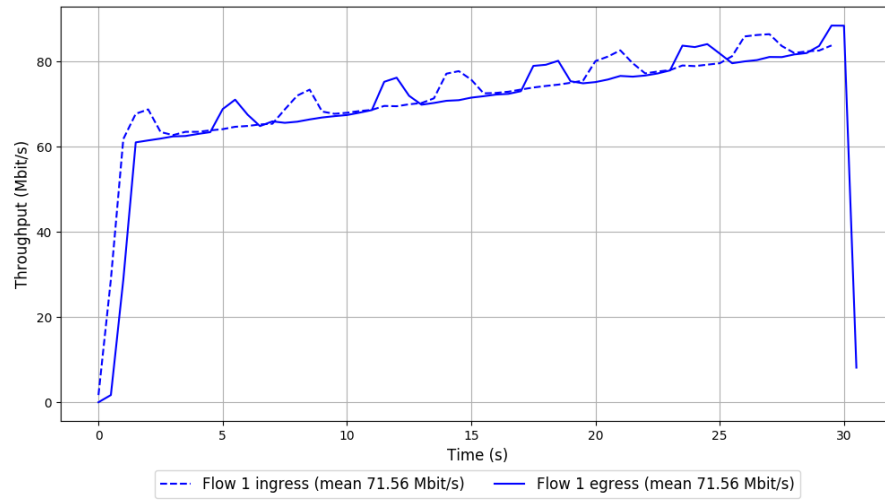
-- Flow 1:

Average throughput: 71.56 Mbit/s

95th percentile per-packet one-way delay: 61.966 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-04 11:08:57

End at: 2018-07-04 11:09:27

Local clock offset: -0.044 ms

Remote clock offset: 1.053 ms

Below is generated by plot.py at 2018-07-04 15:47:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.18 Mbit/s

95th percentile per-packet one-way delay: 72.926 ms

Loss rate: 0.00%

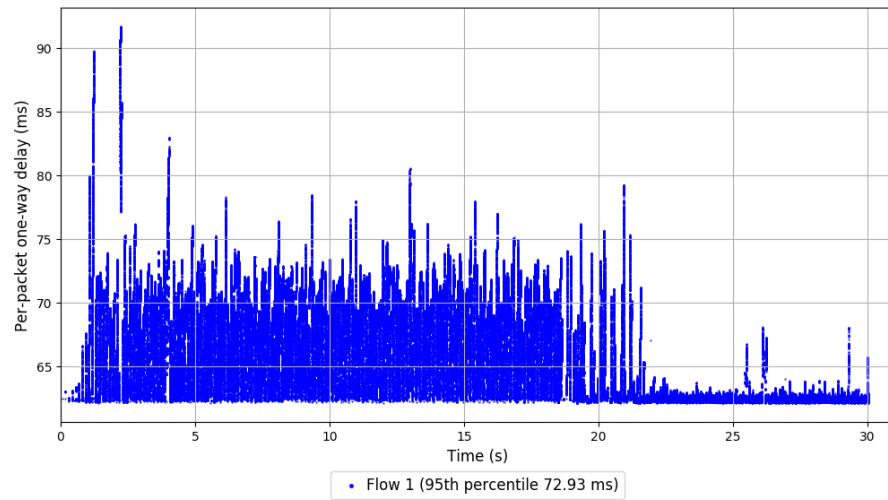
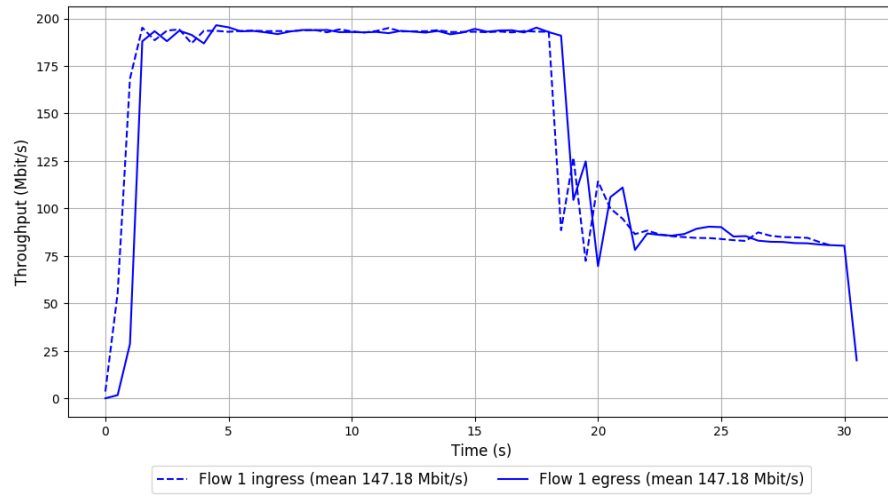
-- Flow 1:

Average throughput: 147.18 Mbit/s

95th percentile per-packet one-way delay: 72.926 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

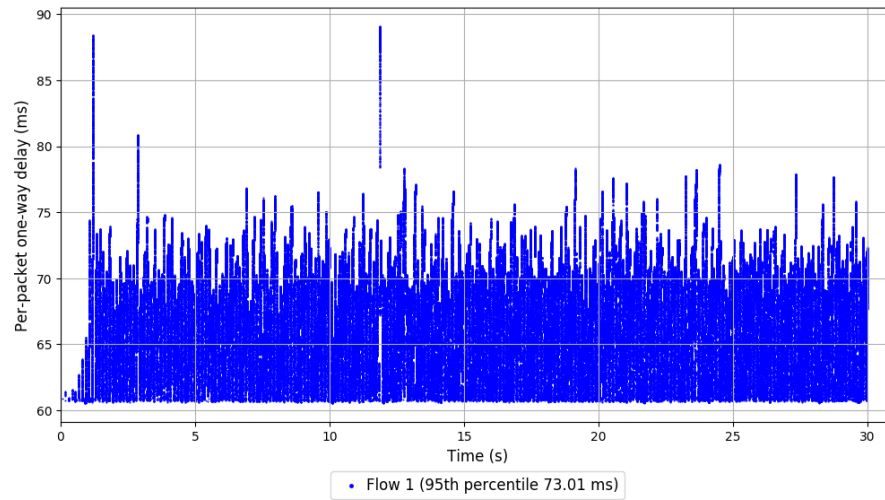
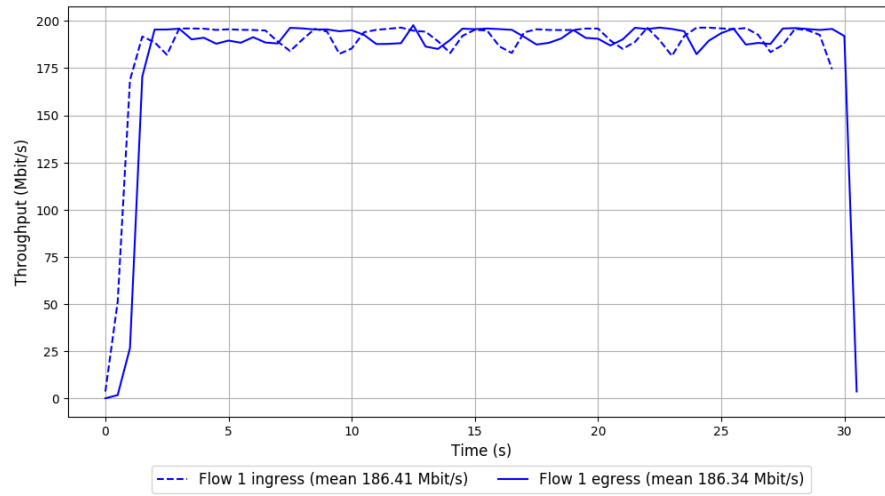


Run 4: Statistics of TCP Vegas

Start at: 2018-07-04 11:30:48
End at: 2018-07-04 11:31:18
Local clock offset: 0.016 ms
Remote clock offset: -0.473 ms

Below is generated by plot.py at 2018-07-04 15:47:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.34 Mbit/s
95th percentile per-packet one-way delay: 73.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.34 Mbit/s
95th percentile per-packet one-way delay: 73.012 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-04 11:52:43

End at: 2018-07-04 11:53:13

Local clock offset: -0.008 ms

Remote clock offset: 1.138 ms

Below is generated by plot.py at 2018-07-04 15:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.43 Mbit/s

95th percentile per-packet one-way delay: 74.117 ms

Loss rate: 0.00%

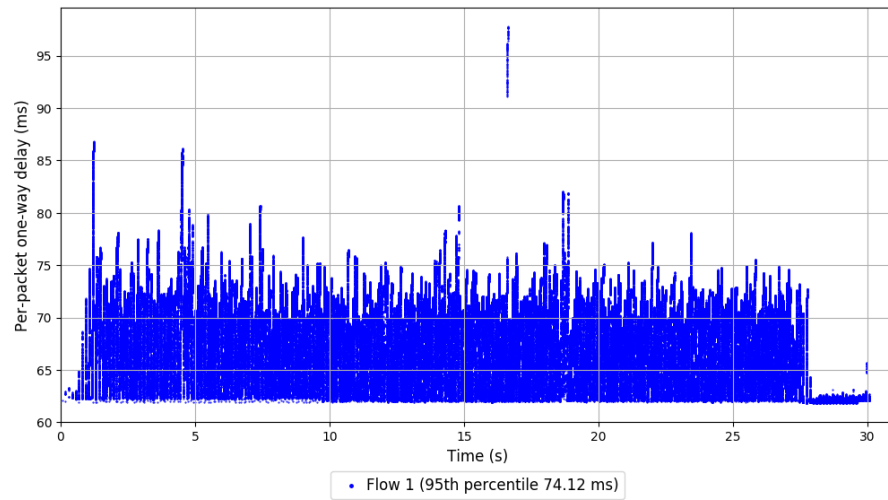
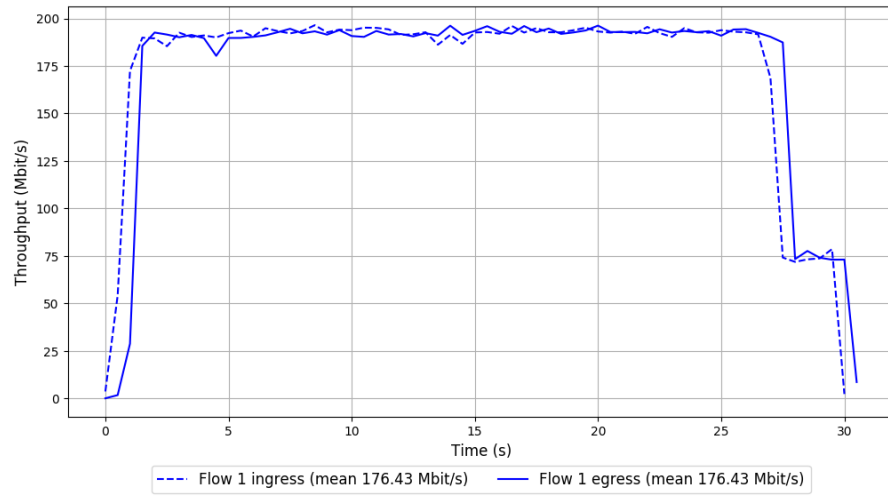
-- Flow 1:

Average throughput: 176.43 Mbit/s

95th percentile per-packet one-way delay: 74.117 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

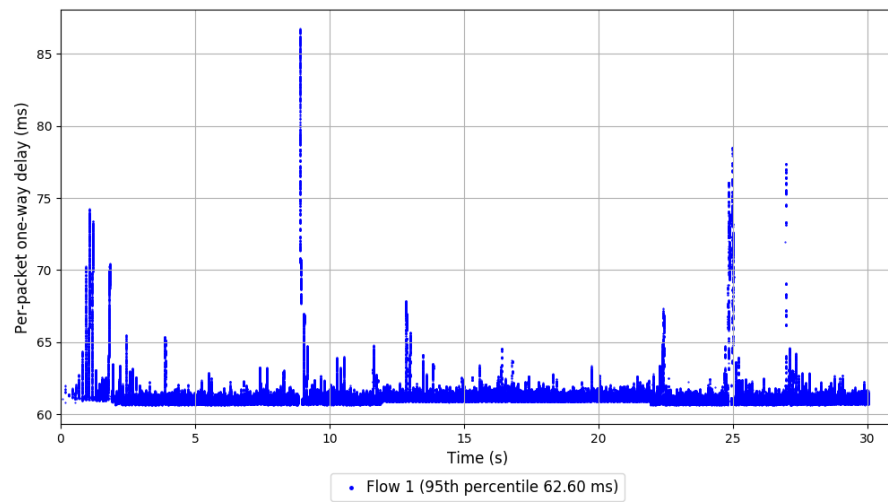
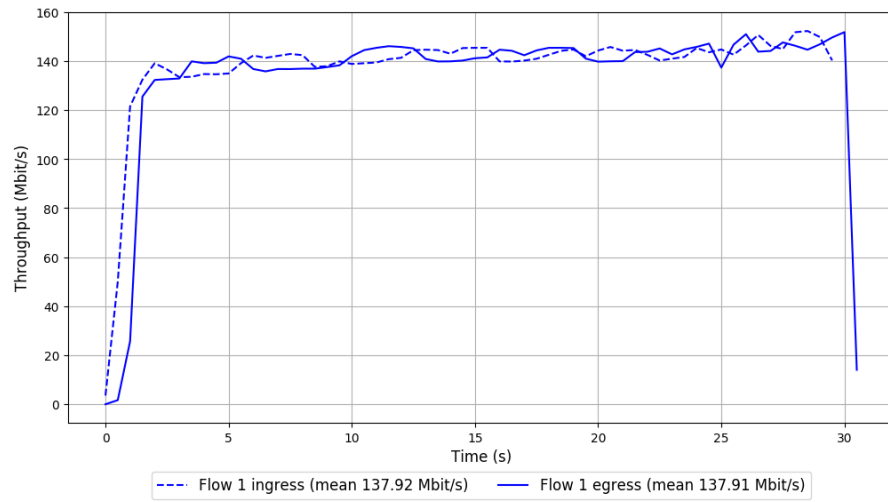


Run 6: Statistics of TCP Vegas

Start at: 2018-07-04 12:15:51
End at: 2018-07-04 12:16:21
Local clock offset: -0.036 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-04 15:47:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.91 Mbit/s
95th percentile per-packet one-way delay: 62.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 137.91 Mbit/s
95th percentile per-packet one-way delay: 62.599 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

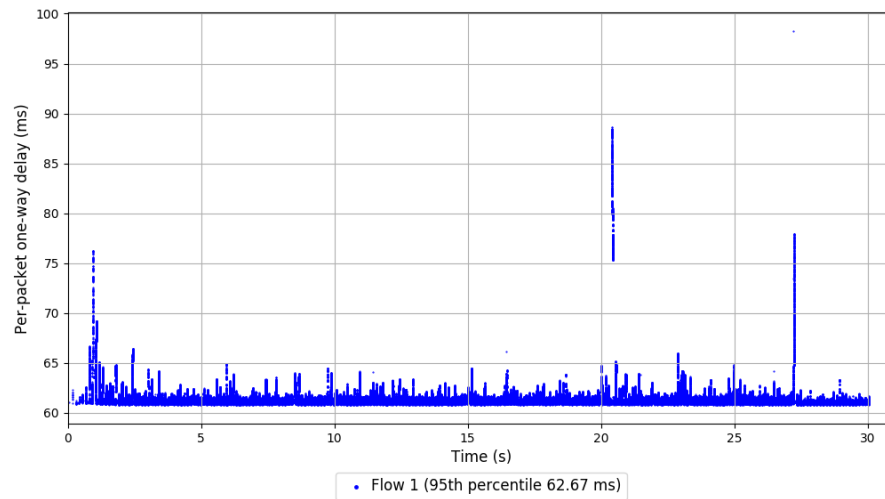
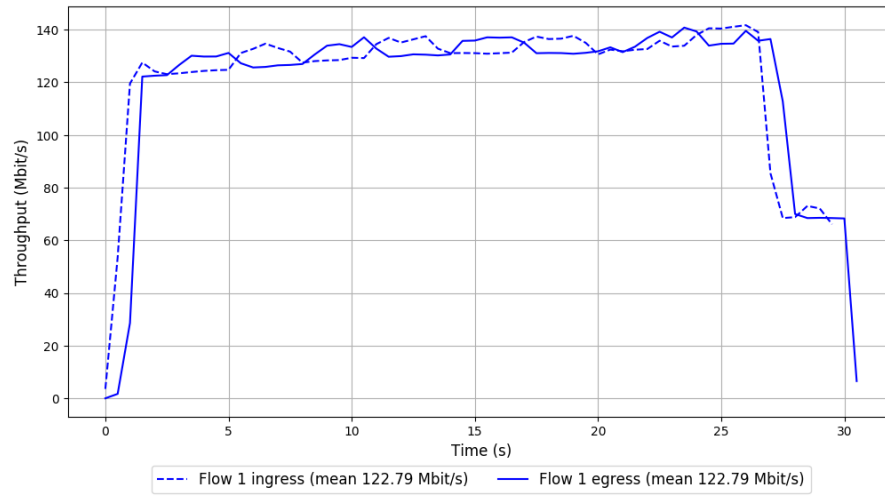


Run 7: Statistics of TCP Vegas

Start at: 2018-07-04 12:37:39
End at: 2018-07-04 12:38:09
Local clock offset: 0.007 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-04 15:47:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.79 Mbit/s
95th percentile per-packet one-way delay: 62.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.79 Mbit/s
95th percentile per-packet one-way delay: 62.667 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-04 12:59:27

End at: 2018-07-04 12:59:57

Local clock offset: 0.027 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-04 15:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.86 Mbit/s

95th percentile per-packet one-way delay: 71.916 ms

Loss rate: 0.00%

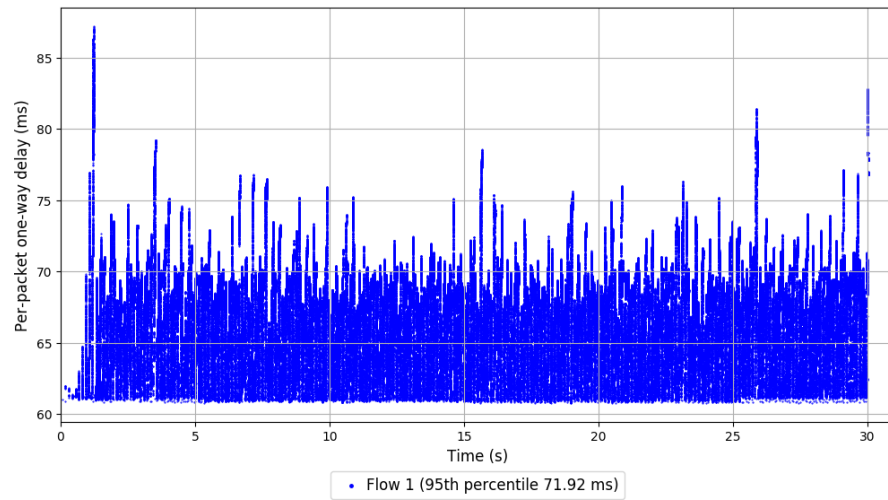
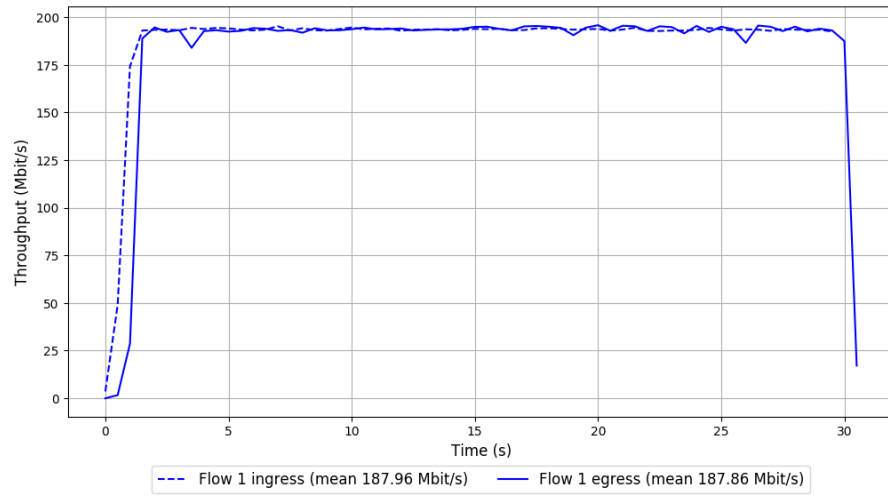
-- Flow 1:

Average throughput: 187.86 Mbit/s

95th percentile per-packet one-way delay: 71.916 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-04 13:21:23

End at: 2018-07-04 13:21:53

Local clock offset: 0.009 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-04 15:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 63.039 ms

Loss rate: 0.00%

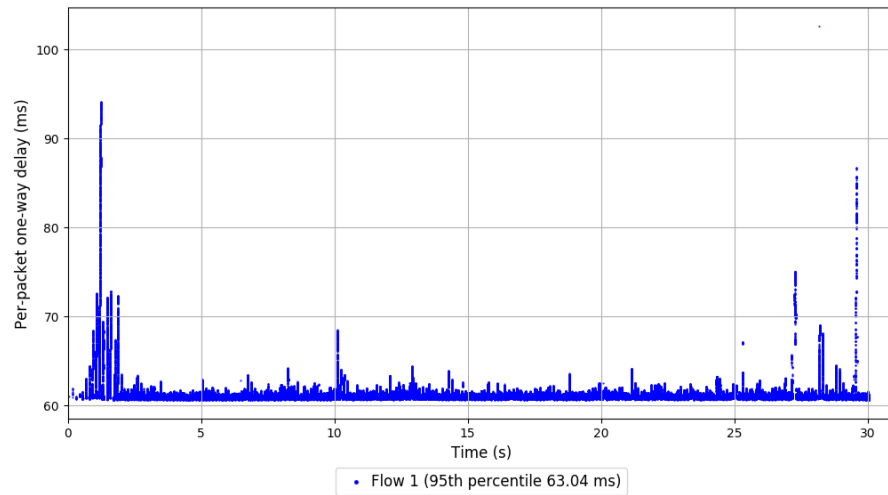
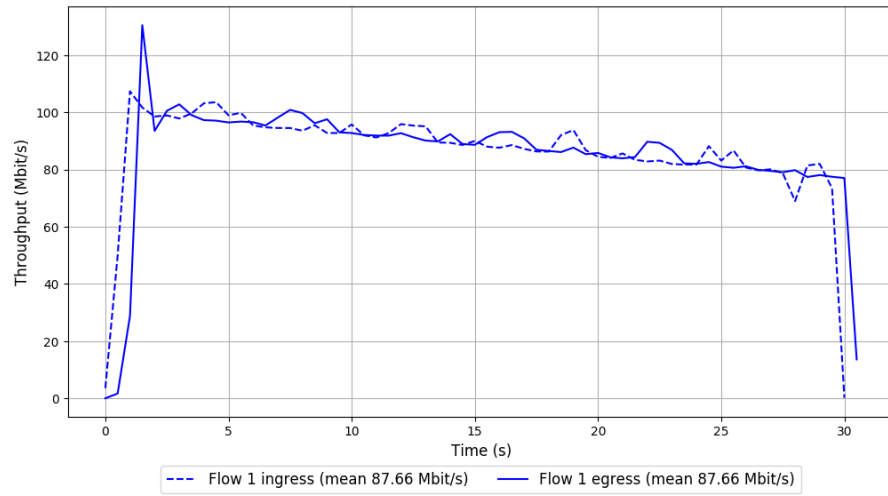
-- Flow 1:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 63.039 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-04 13:43:24

End at: 2018-07-04 13:43:54

Local clock offset: -0.03 ms

Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-04 15:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.69 Mbit/s

95th percentile per-packet one-way delay: 61.673 ms

Loss rate: 0.00%

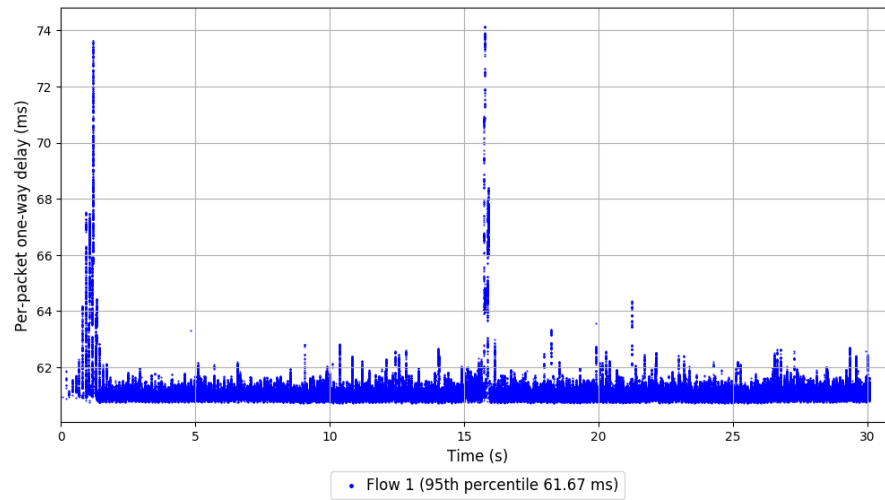
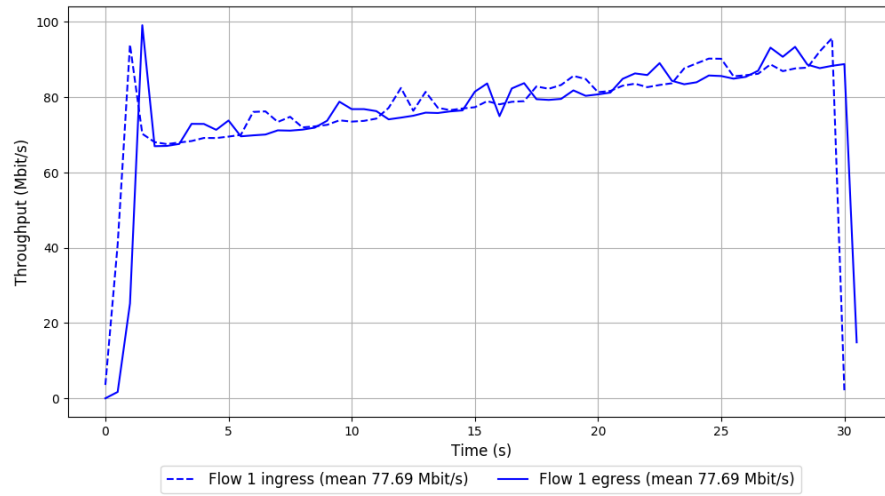
-- Flow 1:

Average throughput: 77.69 Mbit/s

95th percentile per-packet one-way delay: 61.673 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

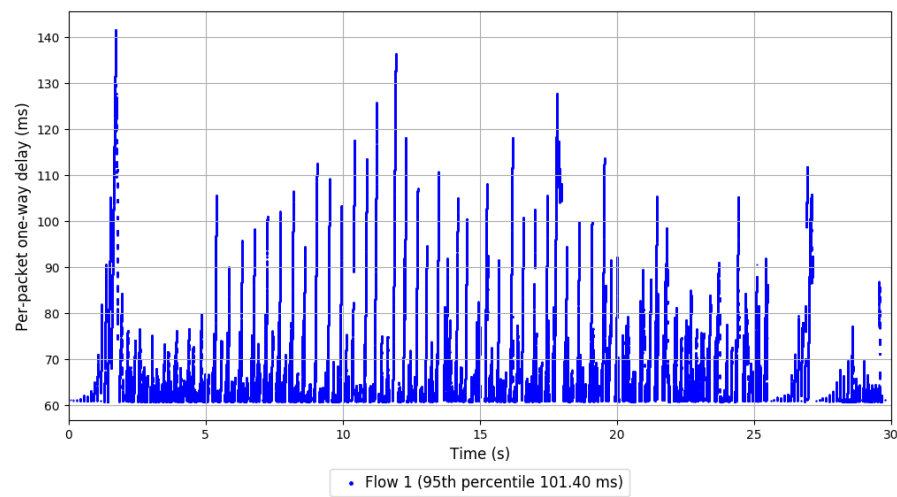
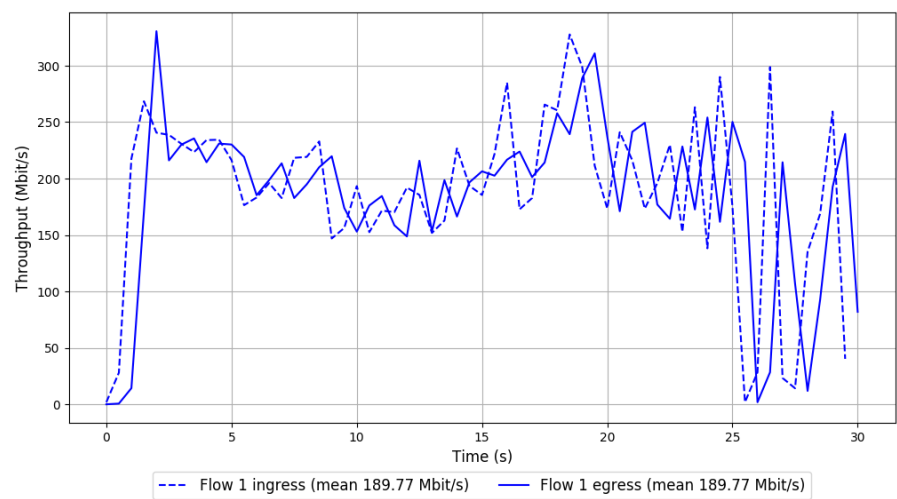


Run 1: Statistics of Verus

Start at: 2018-07-04 10:42:30
End at: 2018-07-04 10:43:00
Local clock offset: -0.082 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-07-04 15:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.77 Mbit/s
95th percentile per-packet one-way delay: 101.401 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.77 Mbit/s
95th percentile per-packet one-way delay: 101.401 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

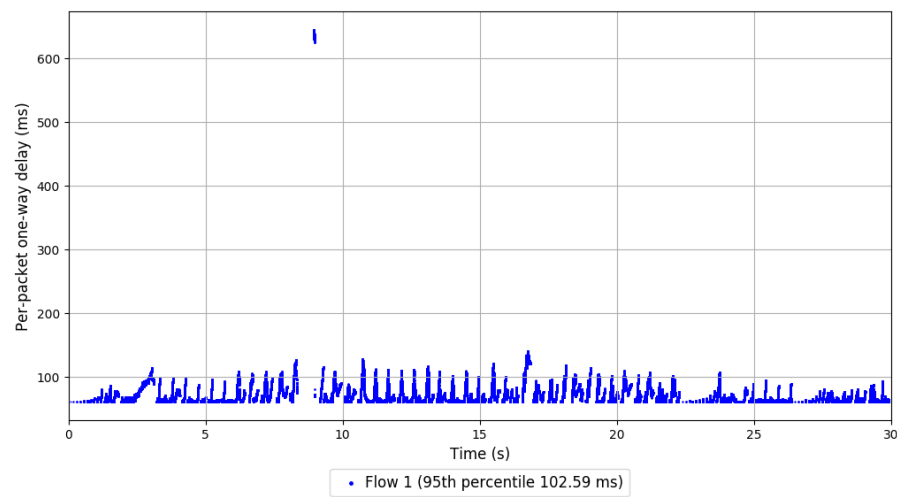
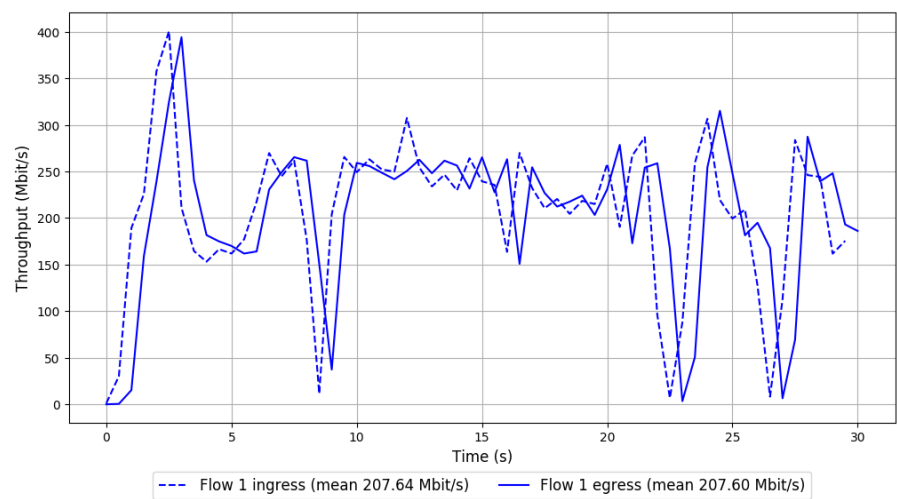


Run 2: Statistics of Verus

Start at: 2018-07-04 11:04:06
End at: 2018-07-04 11:04:36
Local clock offset: -0.042 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-04 15:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.60 Mbit/s
95th percentile per-packet one-way delay: 102.592 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 207.60 Mbit/s
95th percentile per-packet one-way delay: 102.592 ms
Loss rate: 0.02%

Run 2: Report of Verus — Data Link

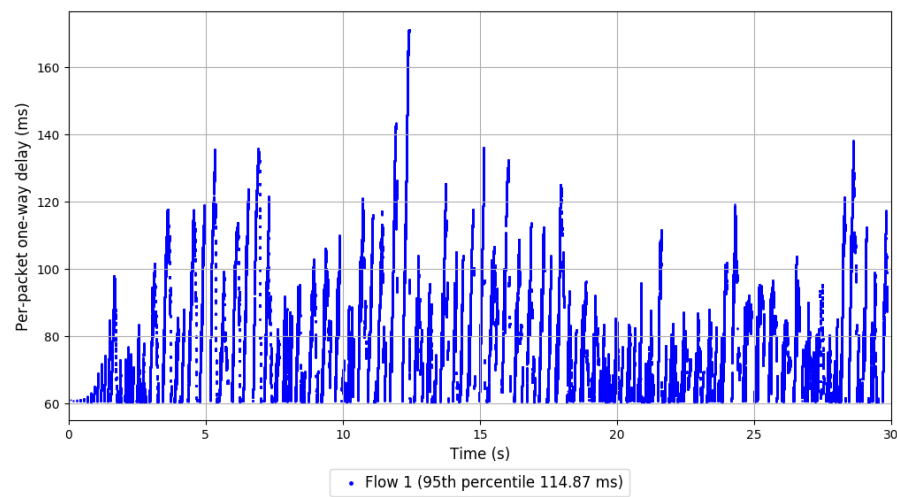
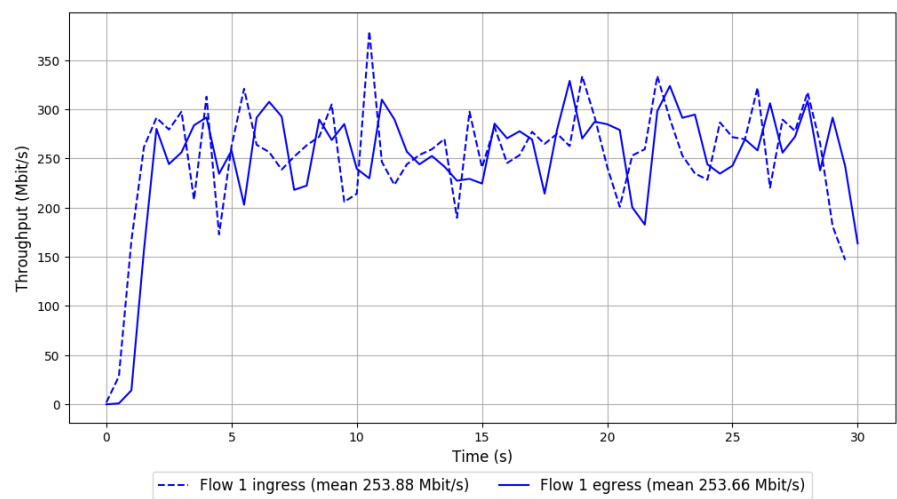


Run 3: Statistics of Verus

Start at: 2018-07-04 11:25:43
End at: 2018-07-04 11:26:13
Local clock offset: 0.051 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-07-04 15:51:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.66 Mbit/s
95th percentile per-packet one-way delay: 114.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 253.66 Mbit/s
95th percentile per-packet one-way delay: 114.874 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

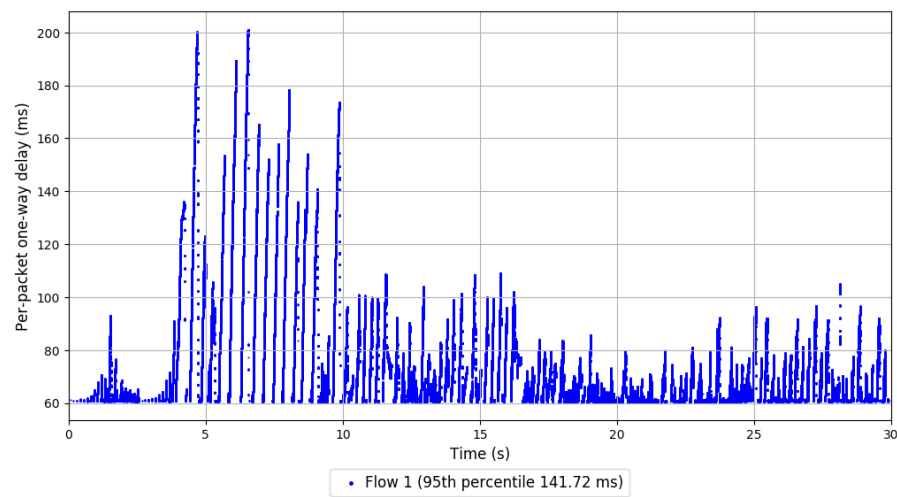
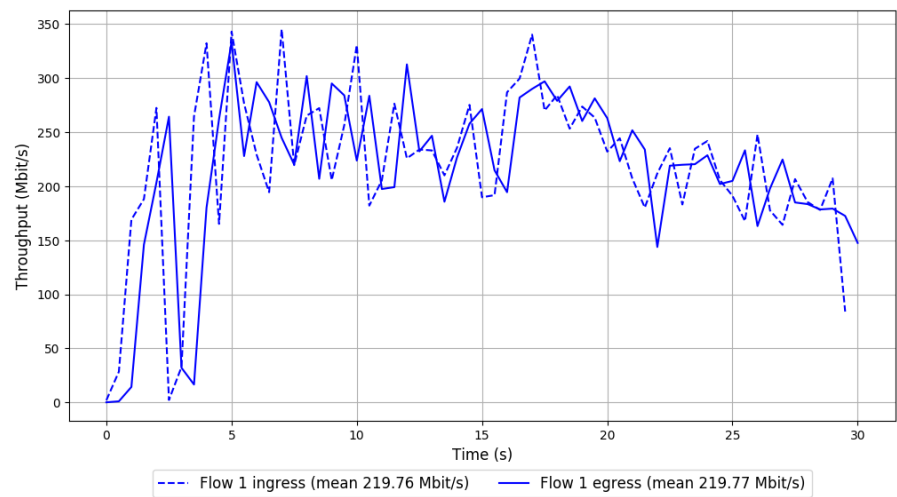


Run 4: Statistics of Verus

Start at: 2018-07-04 11:47:48
End at: 2018-07-04 11:48:18
Local clock offset: -0.032 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-07-04 15:51:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.77 Mbit/s
95th percentile per-packet one-way delay: 141.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.77 Mbit/s
95th percentile per-packet one-way delay: 141.716 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

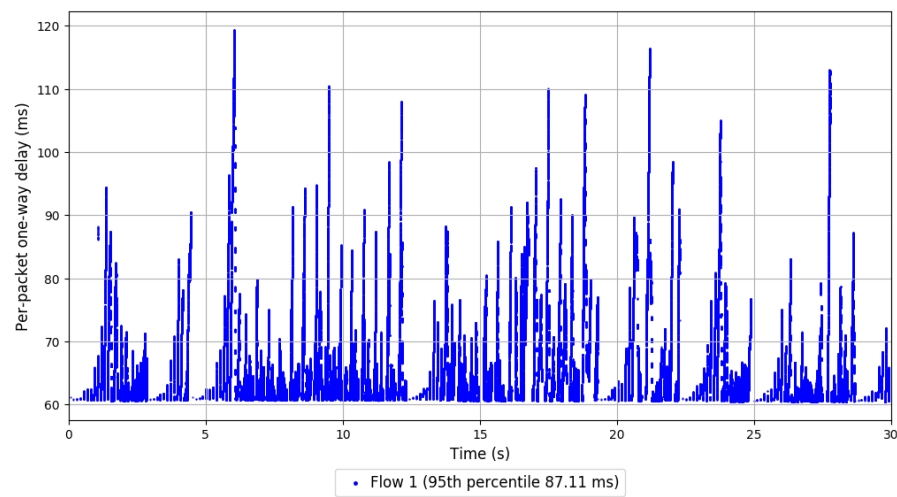
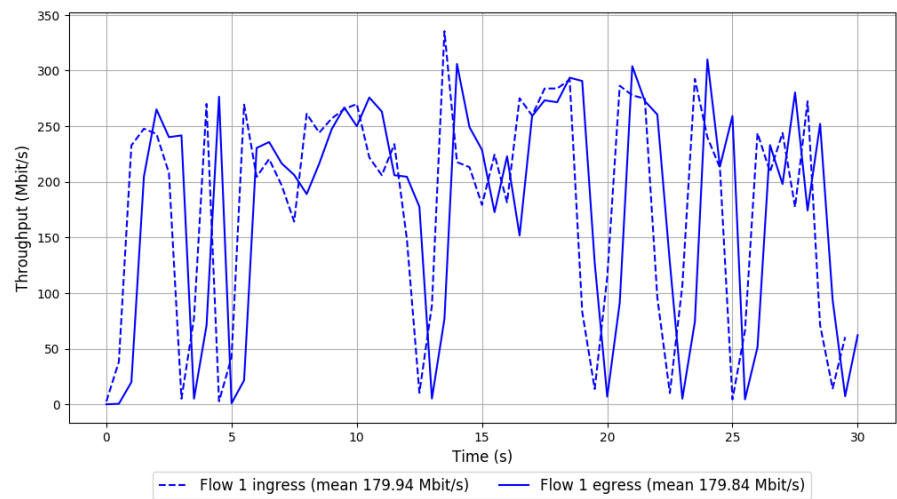


Run 5: Statistics of Verus

Start at: 2018-07-04 12:09:58
End at: 2018-07-04 12:10:28
Local clock offset: -0.023 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-04 15:51:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.84 Mbit/s
95th percentile per-packet one-way delay: 87.114 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 179.84 Mbit/s
95th percentile per-packet one-way delay: 87.114 ms
Loss rate: 0.06%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-04 12:32:50

End at: 2018-07-04 12:33:20

Local clock offset: -0.023 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-04 15:51:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.21 Mbit/s

95th percentile per-packet one-way delay: 89.090 ms

Loss rate: 0.00%

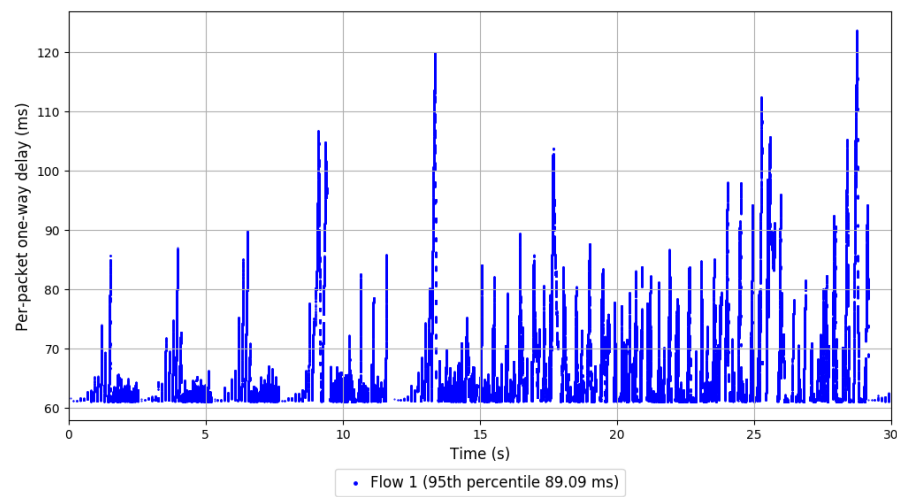
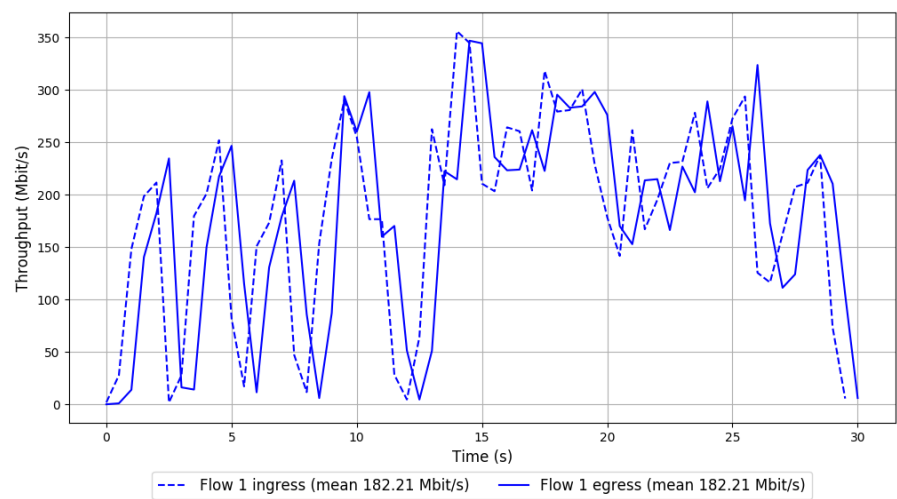
-- Flow 1:

Average throughput: 182.21 Mbit/s

95th percentile per-packet one-way delay: 89.090 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-04 12:54:33

End at: 2018-07-04 12:55:03

Local clock offset: -0.011 ms

Remote clock offset: 1.024 ms

Below is generated by plot.py at 2018-07-04 15:52:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.77 Mbit/s

95th percentile per-packet one-way delay: 85.969 ms

Loss rate: 0.08%

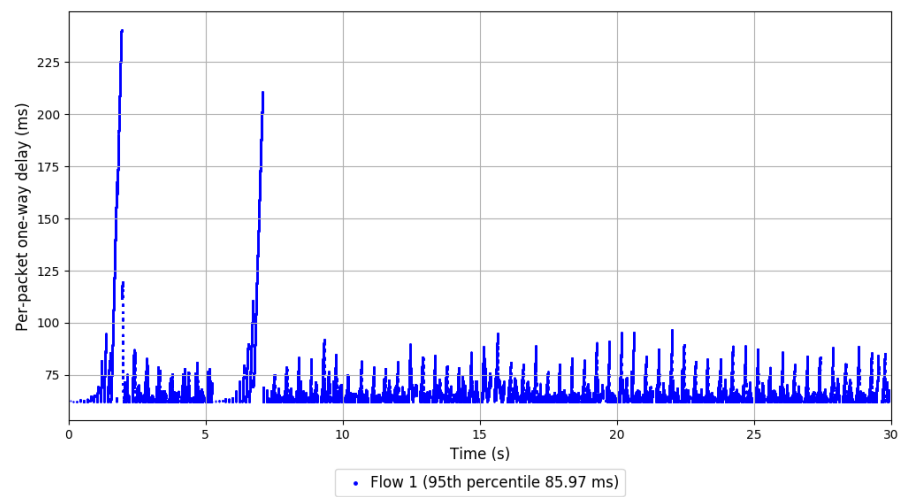
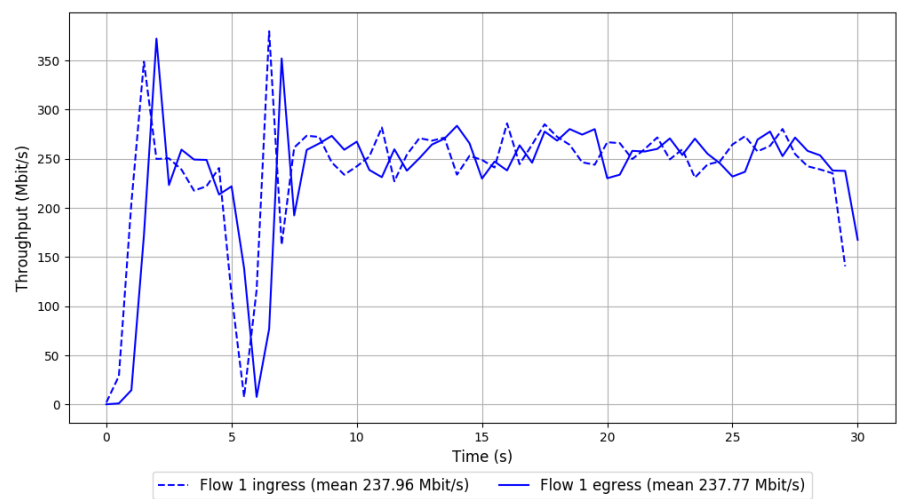
-- Flow 1:

Average throughput: 237.77 Mbit/s

95th percentile per-packet one-way delay: 85.969 ms

Loss rate: 0.08%

Run 7: Report of Verus — Data Link

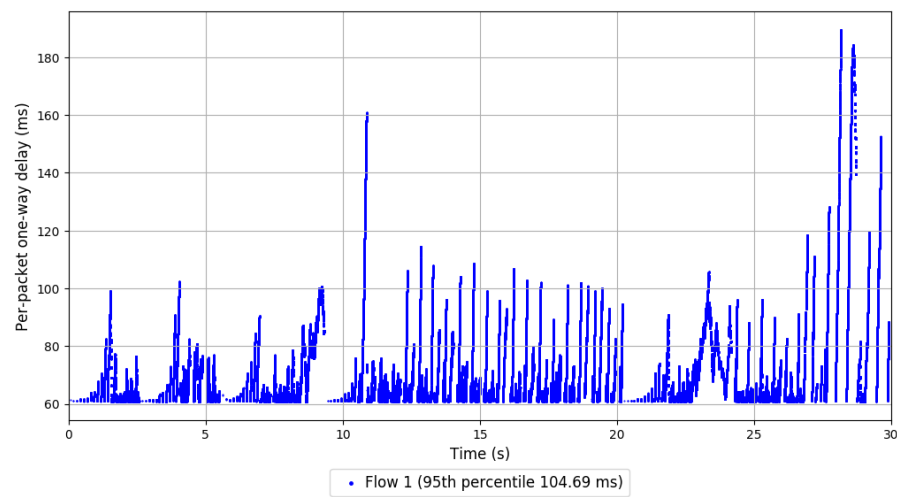
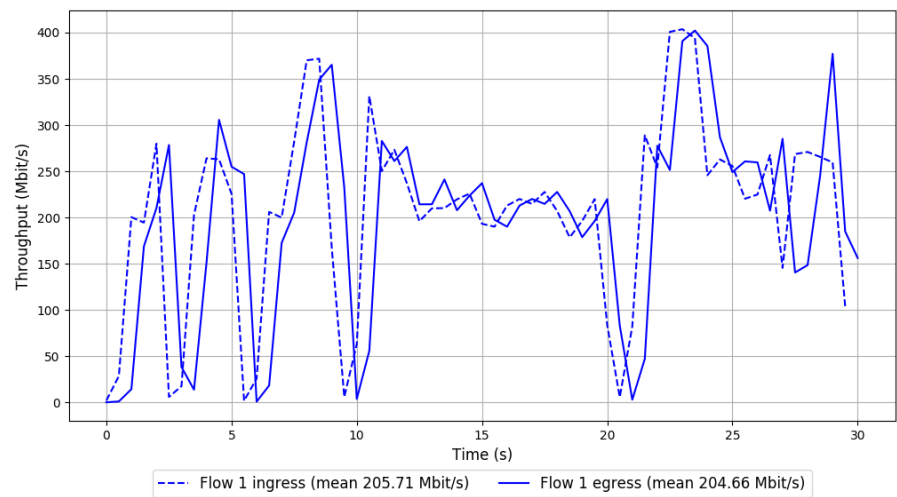


Run 8: Statistics of Verus

Start at: 2018-07-04 13:16:16
End at: 2018-07-04 13:16:46
Local clock offset: 0.004 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-04 15:52:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.66 Mbit/s
95th percentile per-packet one-way delay: 104.691 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 204.66 Mbit/s
95th percentile per-packet one-way delay: 104.691 ms
Loss rate: 0.50%

Run 8: Report of Verus — Data Link

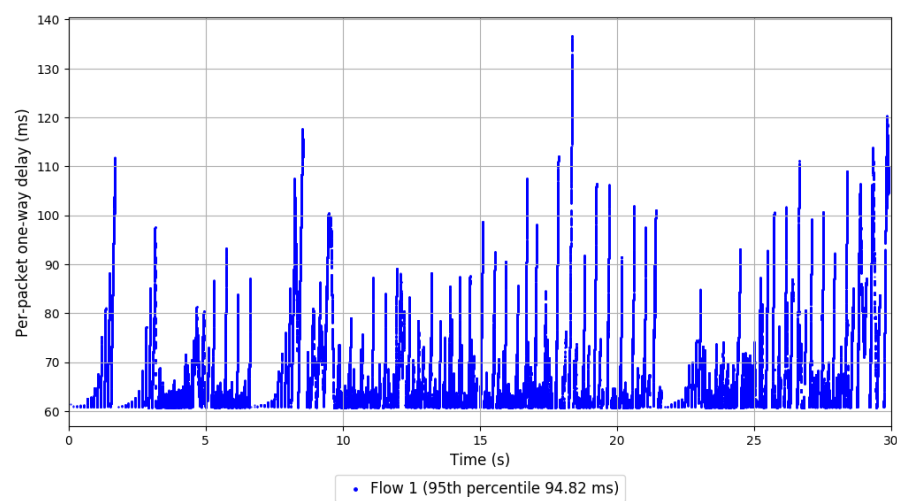
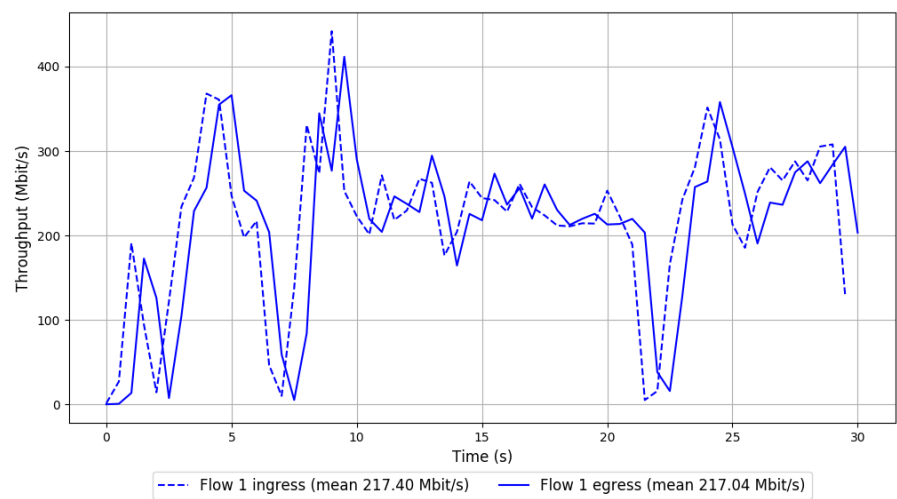


Run 9: Statistics of Verus

Start at: 2018-07-04 13:38:17
End at: 2018-07-04 13:38:47
Local clock offset: -0.042 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-04 15:53:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.04 Mbit/s
95th percentile per-packet one-way delay: 94.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.04 Mbit/s
95th percentile per-packet one-way delay: 94.823 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

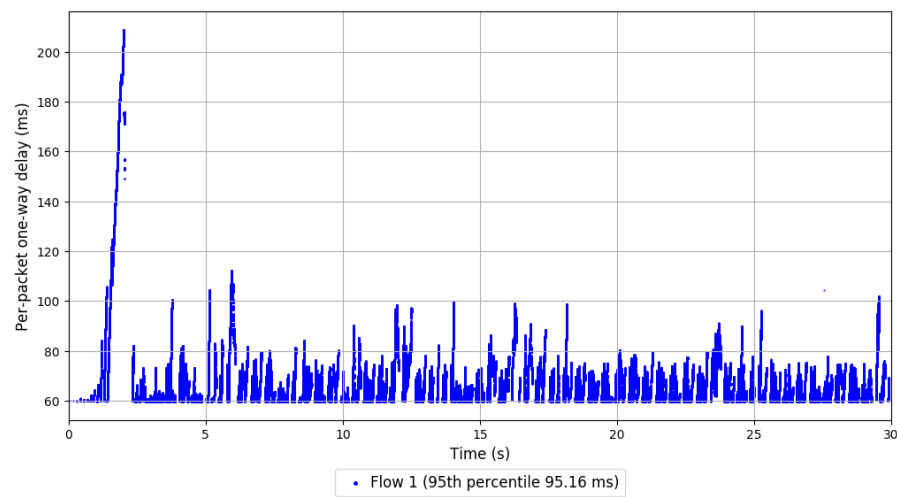
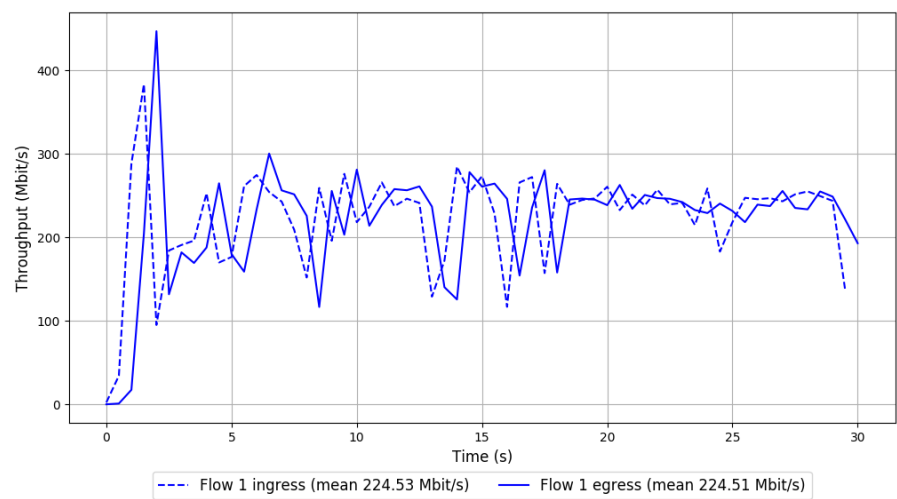


Run 10: Statistics of Verus

Start at: 2018-07-04 14:00:10
End at: 2018-07-04 14:00:40
Local clock offset: -0.14 ms
Remote clock offset: -1.266 ms

Below is generated by plot.py at 2018-07-04 15:54:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.51 Mbit/s
95th percentile per-packet one-way delay: 95.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.51 Mbit/s
95th percentile per-packet one-way delay: 95.155 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-04 10:31:48

End at: 2018-07-04 10:32:18

Local clock offset: -0.105 ms

Remote clock offset: 1.235 ms

Below is generated by plot.py at 2018-07-04 15:56:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 286.90 Mbit/s

95th percentile per-packet one-way delay: 62.706 ms

Loss rate: 0.00%

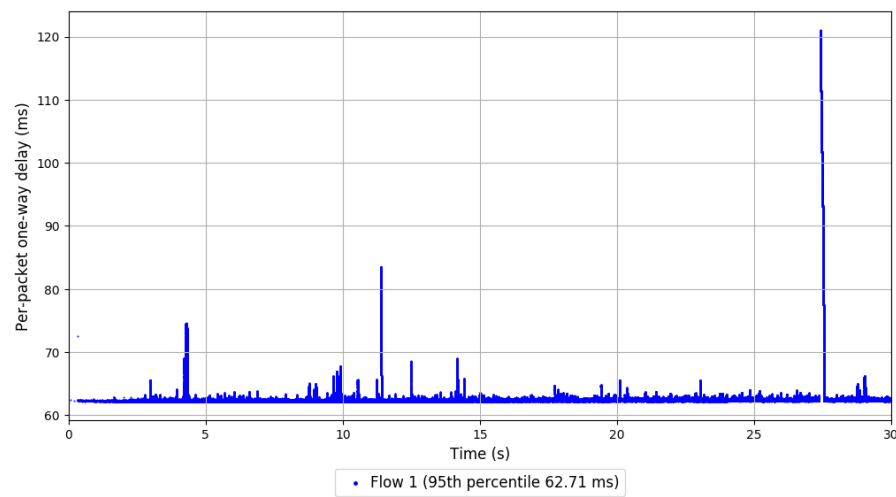
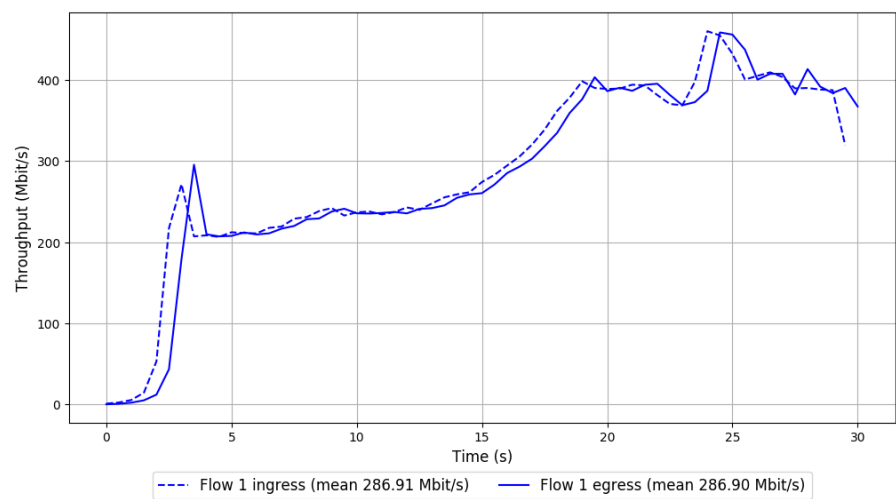
-- Flow 1:

Average throughput: 286.90 Mbit/s

95th percentile per-packet one-way delay: 62.706 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

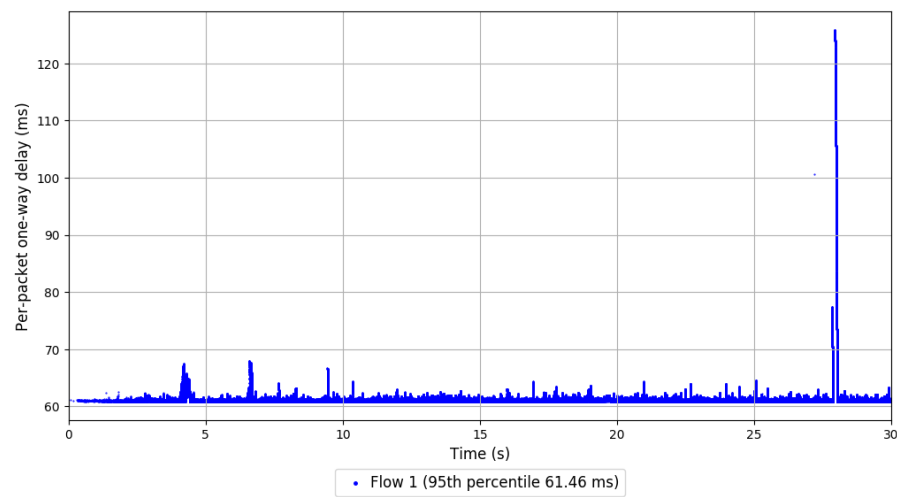
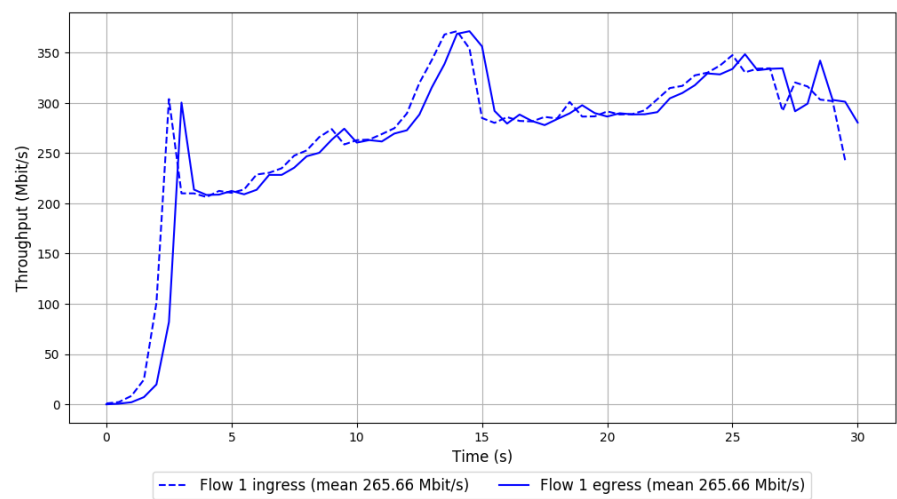


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-04 10:53:28
End at: 2018-07-04 10:53:58
Local clock offset: -0.072 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-04 15:56:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.66 Mbit/s
95th percentile per-packet one-way delay: 61.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 265.66 Mbit/s
95th percentile per-packet one-way delay: 61.456 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

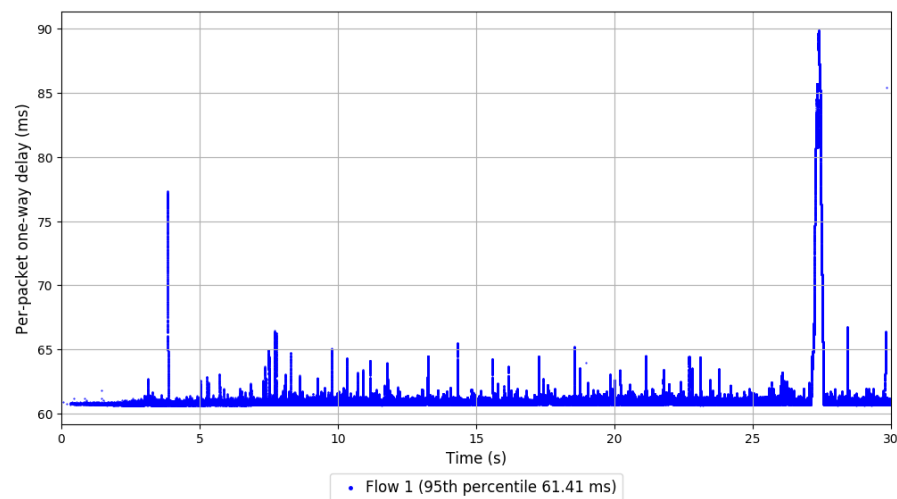
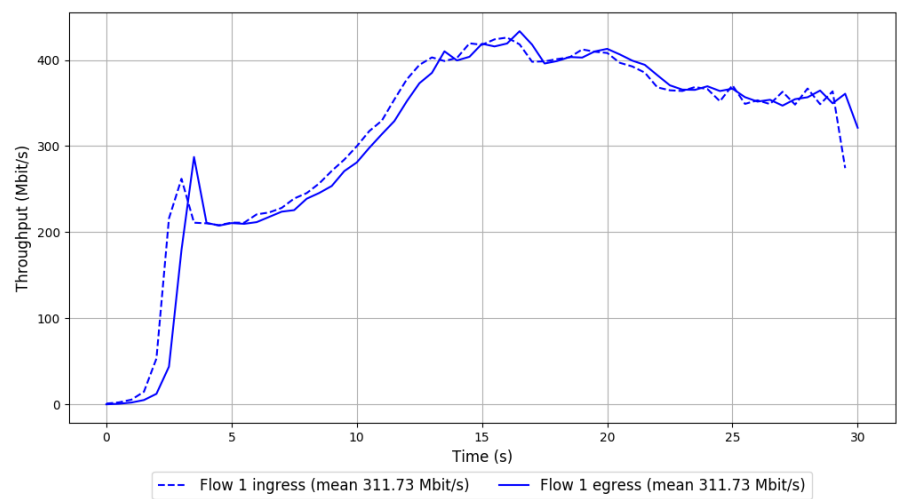


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-04 11:14:55
End at: 2018-07-04 11:15:25
Local clock offset: -0.01 ms
Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-07-04 15:57:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 311.73 Mbit/s
95th percentile per-packet one-way delay: 61.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 311.73 Mbit/s
95th percentile per-packet one-way delay: 61.414 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-04 11:36:52

End at: 2018-07-04 11:37:22

Local clock offset: -0.015 ms

Remote clock offset: 1.25 ms

Below is generated by plot.py at 2018-07-04 15:57:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.12 Mbit/s

95th percentile per-packet one-way delay: 62.827 ms

Loss rate: 0.00%

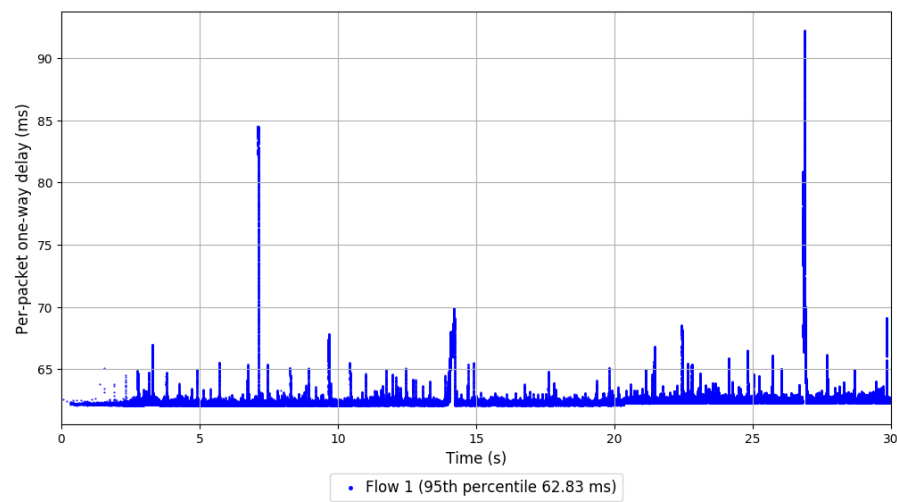
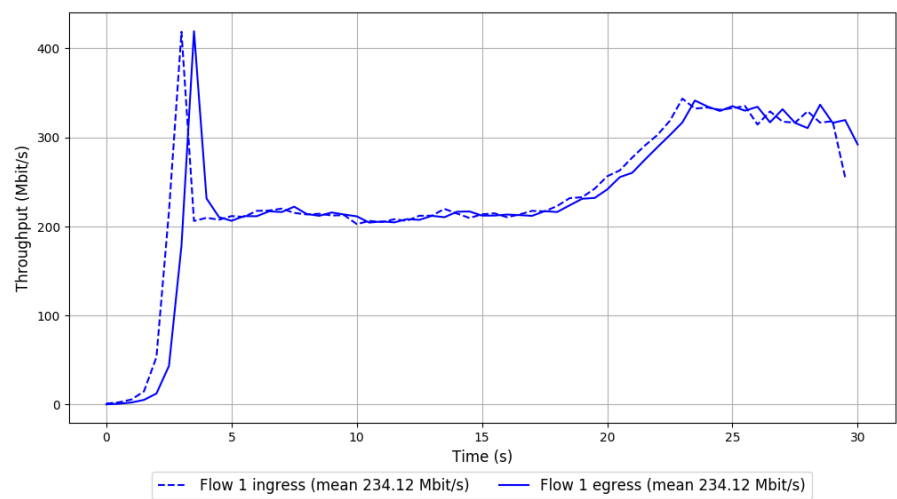
-- Flow 1:

Average throughput: 234.12 Mbit/s

95th percentile per-packet one-way delay: 62.827 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

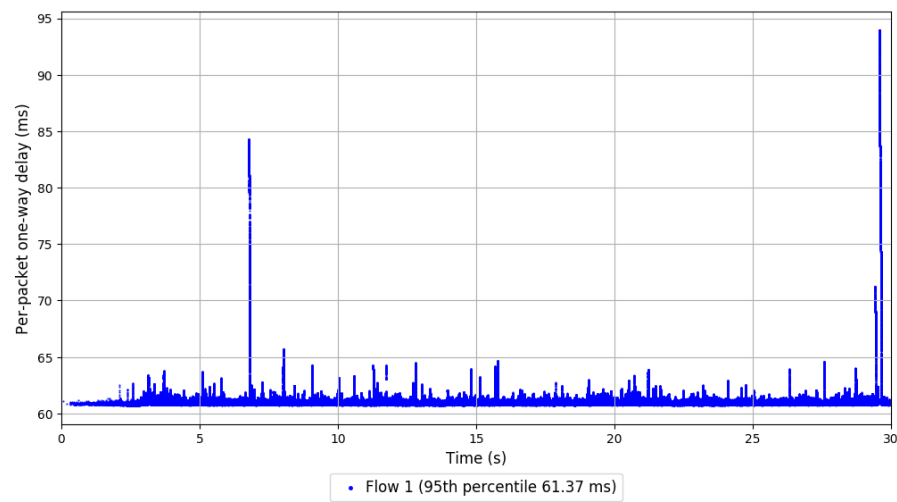
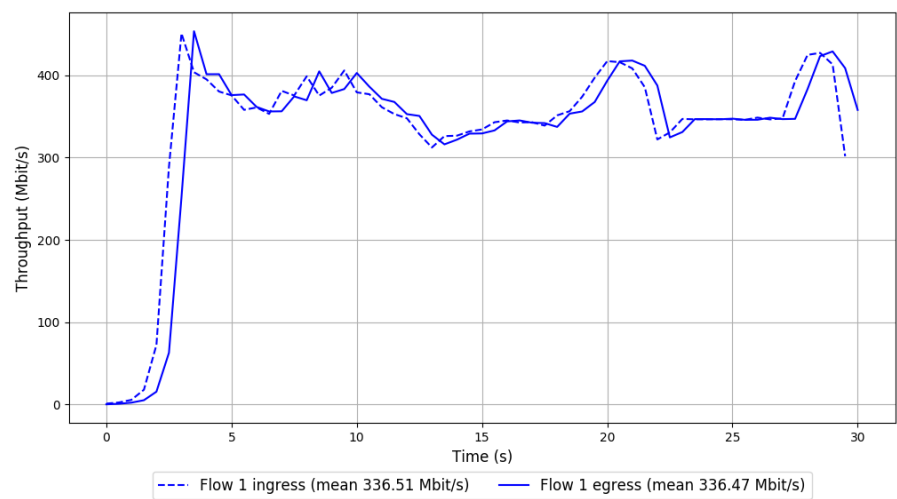


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-04 11:58:59
End at: 2018-07-04 11:59:29
Local clock offset: -0.005 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-04 15:59:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.47 Mbit/s
95th percentile per-packet one-way delay: 61.372 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 336.47 Mbit/s
95th percentile per-packet one-way delay: 61.372 ms
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

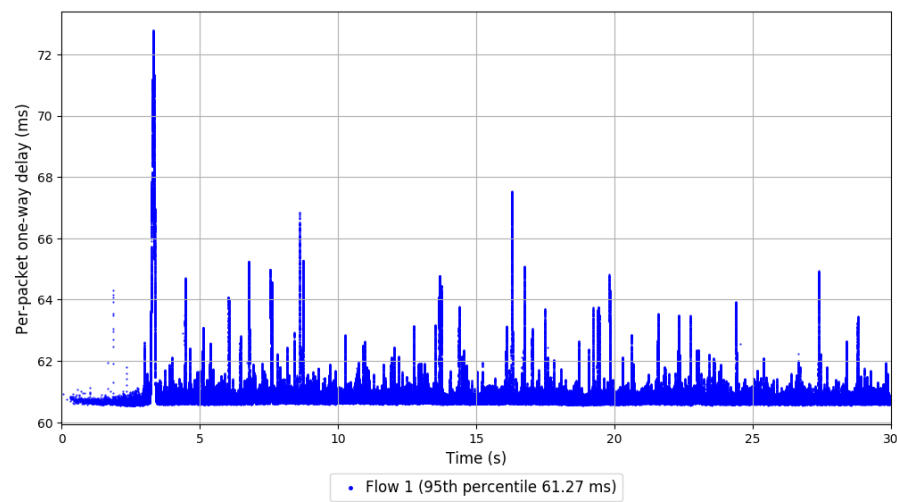
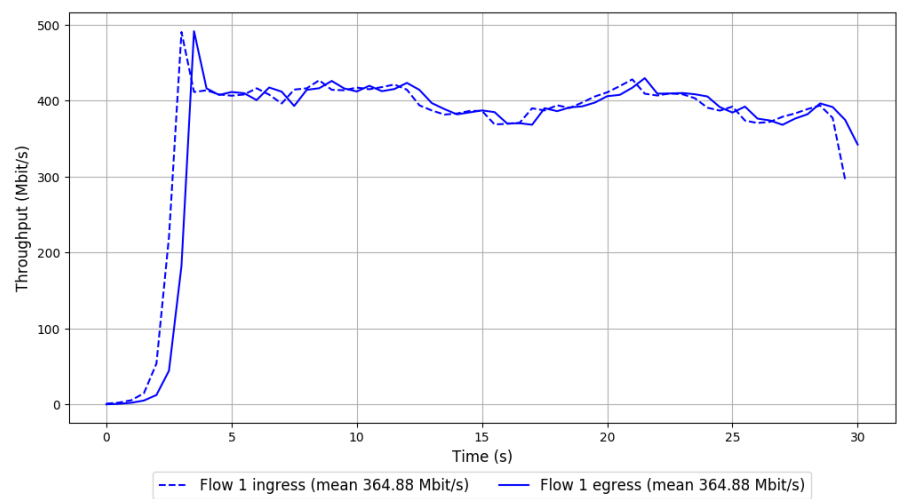


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-04 12:21:54
End at: 2018-07-04 12:22:24
Local clock offset: -0.022 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-04 15:59:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 364.88 Mbit/s
95th percentile per-packet one-way delay: 61.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 364.88 Mbit/s
95th percentile per-packet one-way delay: 61.272 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-04 12:43:39

End at: 2018-07-04 12:44:09

Local clock offset: -0.002 ms

Remote clock offset: 1.405 ms

Below is generated by plot.py at 2018-07-04 15:59:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.96 Mbit/s

95th percentile per-packet one-way delay: 62.958 ms

Loss rate: 0.00%

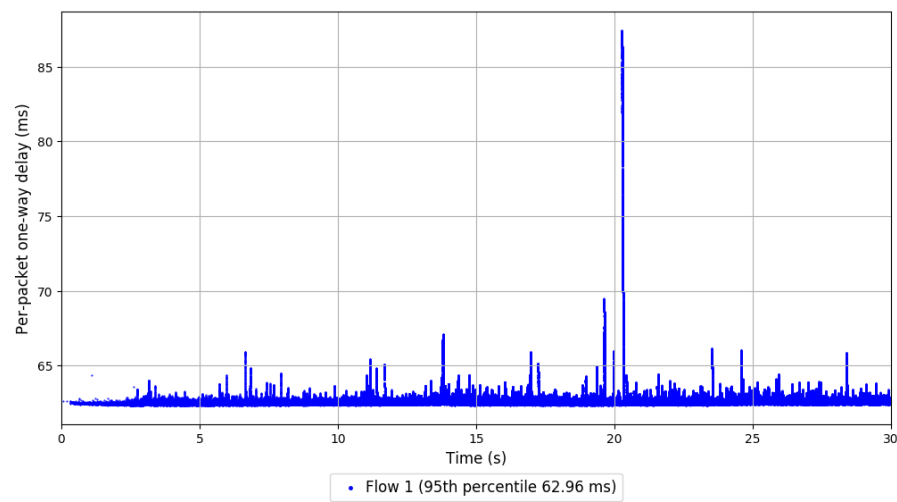
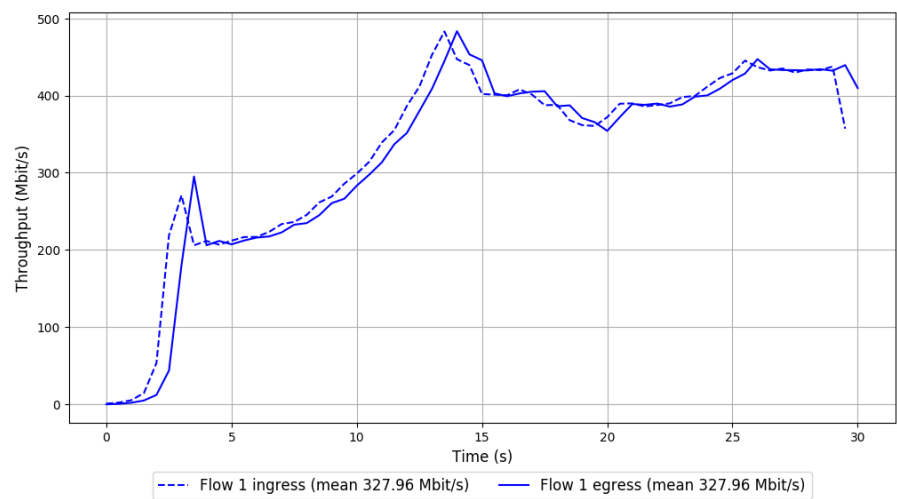
-- Flow 1:

Average throughput: 327.96 Mbit/s

95th percentile per-packet one-way delay: 62.958 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-04 13:05:29

End at: 2018-07-04 13:05:59

Local clock offset: -0.017 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-04 15:59:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.38 Mbit/s

95th percentile per-packet one-way delay: 61.490 ms

Loss rate: 0.00%

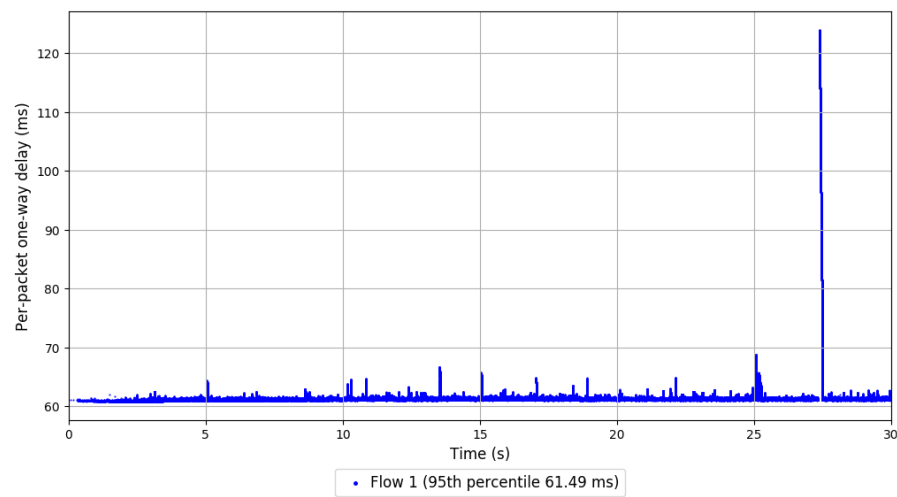
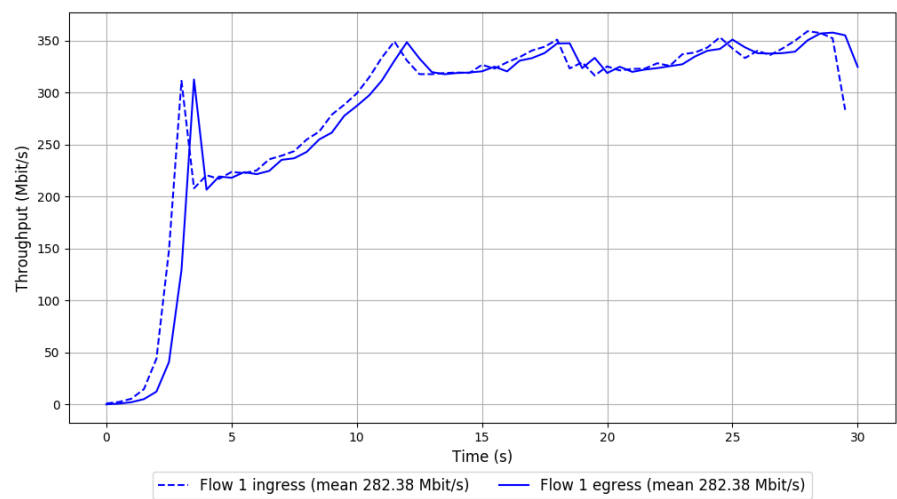
-- Flow 1:

Average throughput: 282.38 Mbit/s

95th percentile per-packet one-way delay: 61.490 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-04 13:27:19

End at: 2018-07-04 13:27:49

Local clock offset: 0.002 ms

Remote clock offset: 1.022 ms

Below is generated by plot.py at 2018-07-04 16:00:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.59 Mbit/s

95th percentile per-packet one-way delay: 63.245 ms

Loss rate: 0.00%

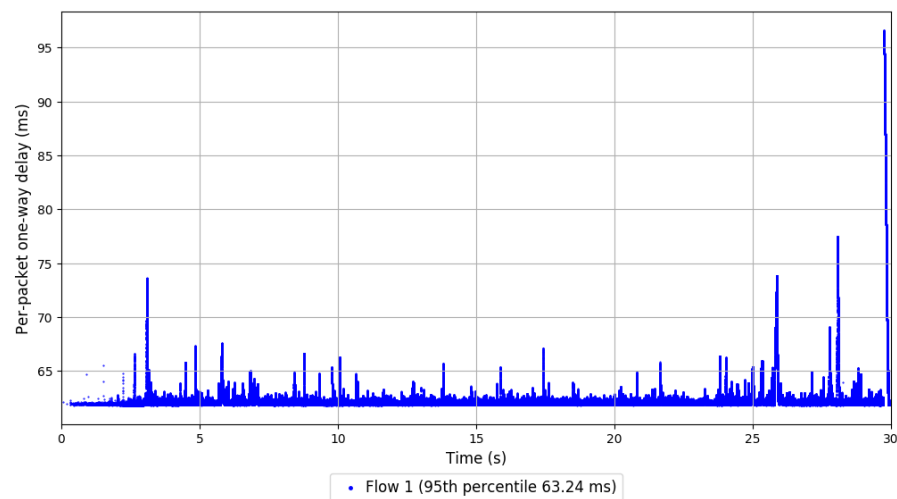
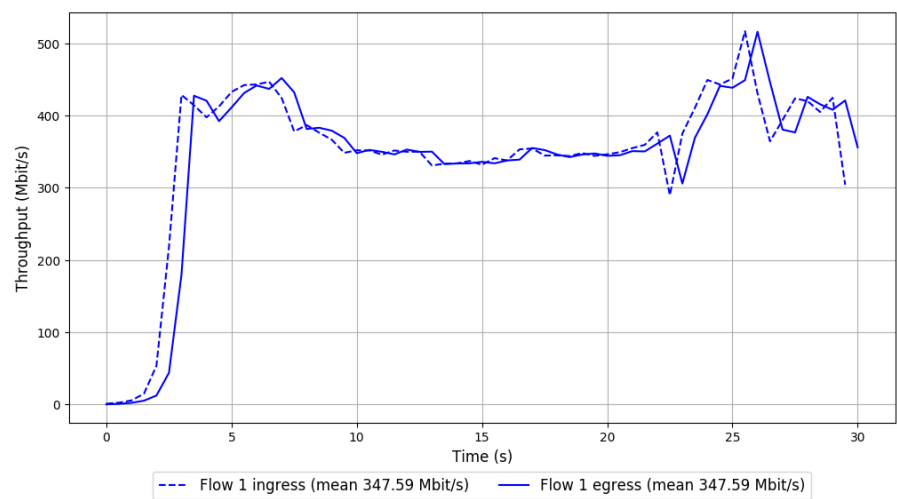
-- Flow 1:

Average throughput: 347.59 Mbit/s

95th percentile per-packet one-way delay: 63.245 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-04 13:49:21

End at: 2018-07-04 13:49:51

Local clock offset: -0.03 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-07-04 16:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.10 Mbit/s

95th percentile per-packet one-way delay: 62.091 ms

Loss rate: 0.00%

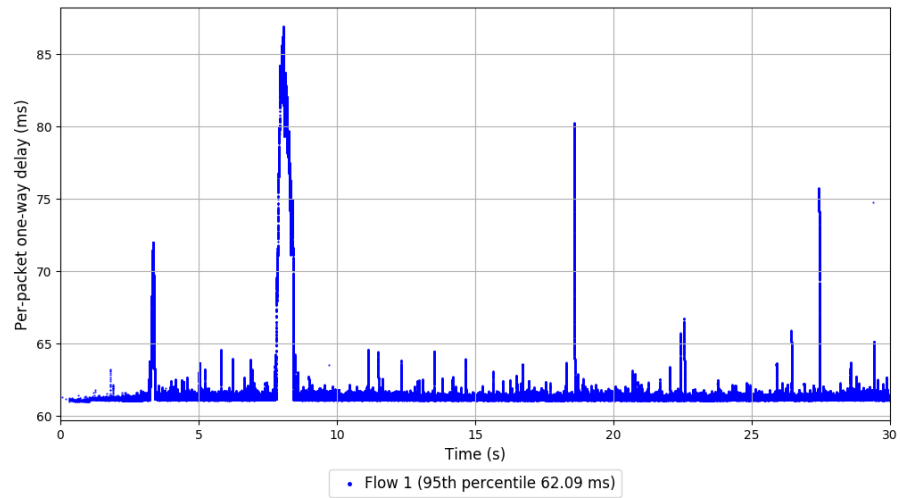
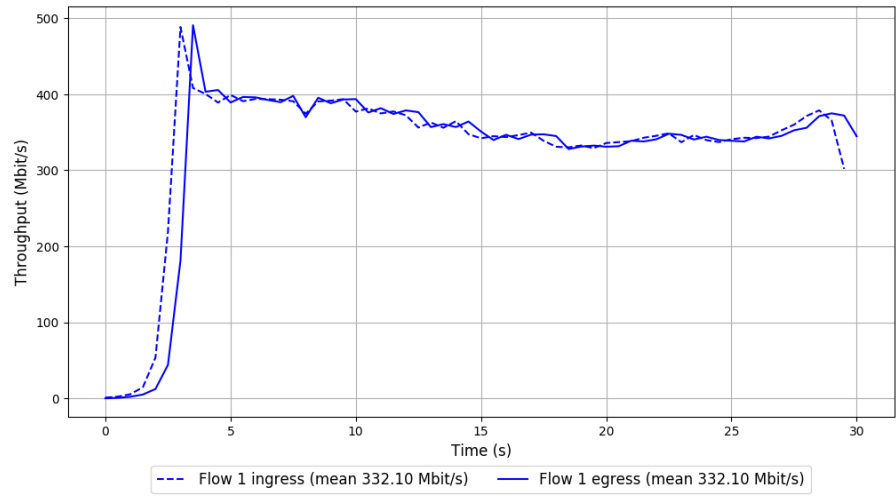
-- Flow 1:

Average throughput: 332.10 Mbit/s

95th percentile per-packet one-way delay: 62.091 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

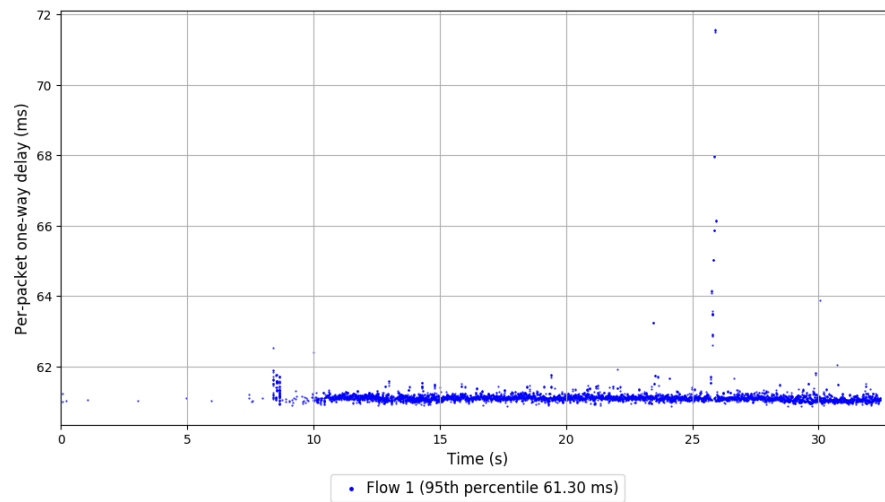
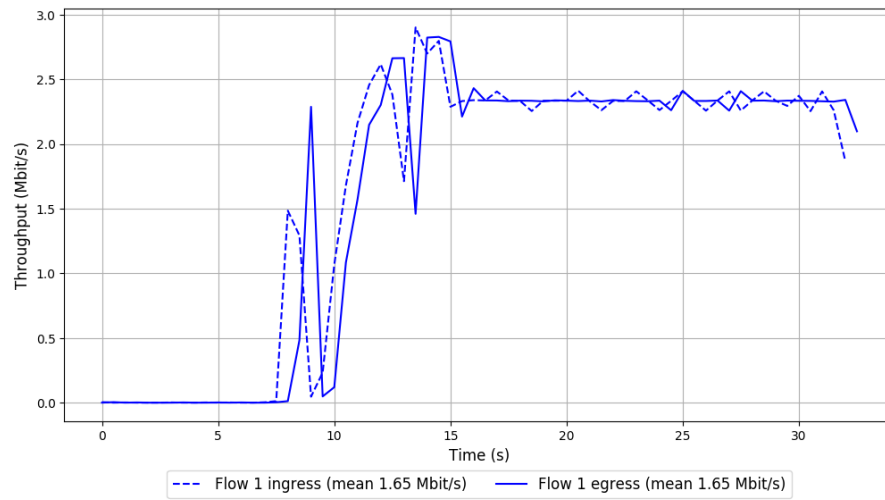


Run 1: Statistics of WebRTC media

Start at: 2018-07-04 10:45:16
End at: 2018-07-04 10:45:46
Local clock offset: -0.082 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-04 16:00:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 61.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 61.299 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-04 11:06:44

End at: 2018-07-04 11:07:14

Local clock offset: -0.011 ms

Remote clock offset: 1.098 ms

Below is generated by plot.py at 2018-07-04 16:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 62.480 ms

Loss rate: 0.00%

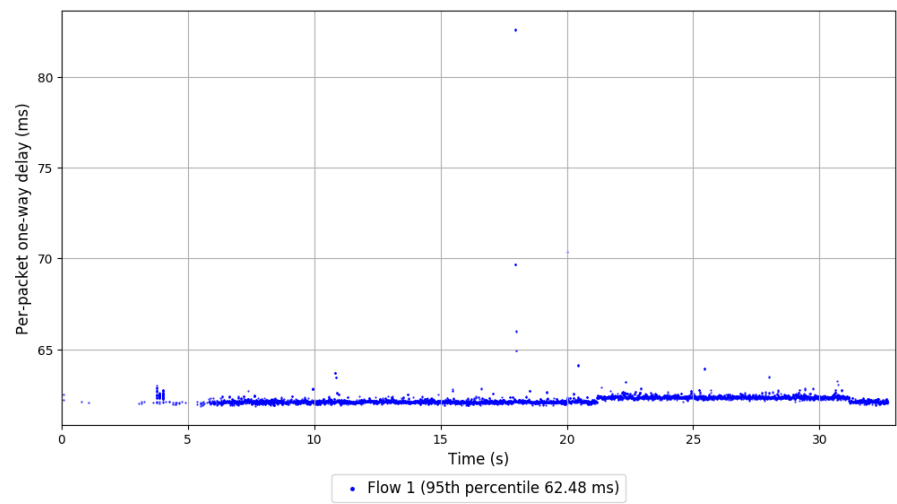
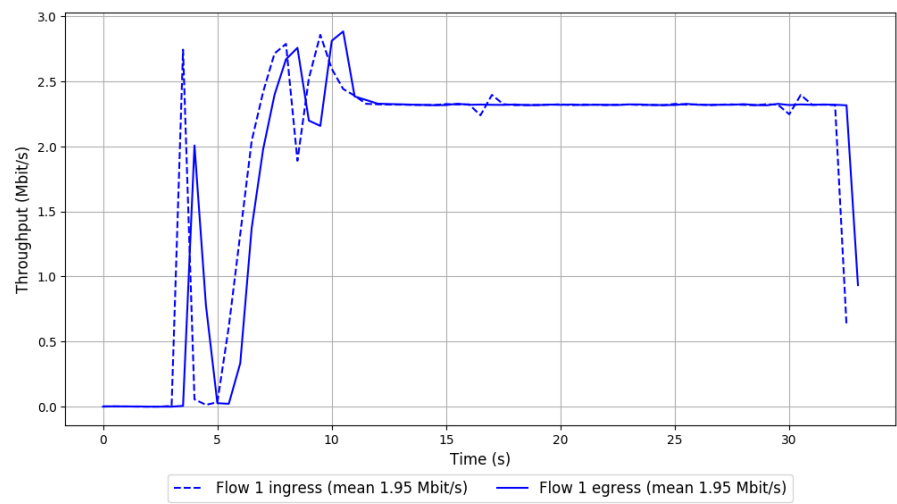
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 62.480 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

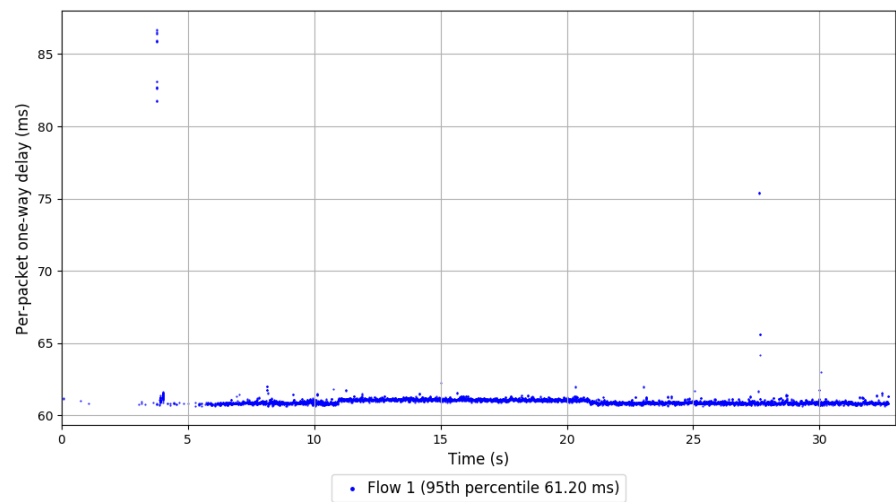
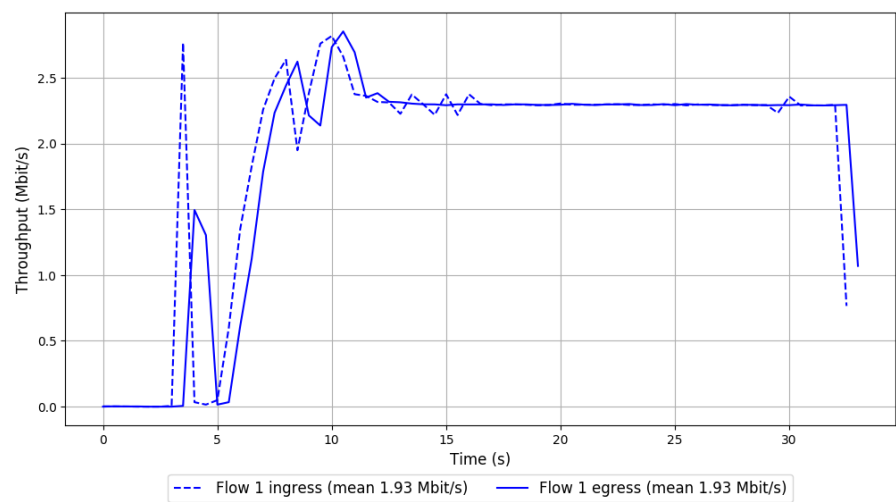


Run 3: Statistics of WebRTC media

Start at: 2018-07-04 11:28:34
End at: 2018-07-04 11:29:04
Local clock offset: 0.042 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-04 16:00:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.199 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

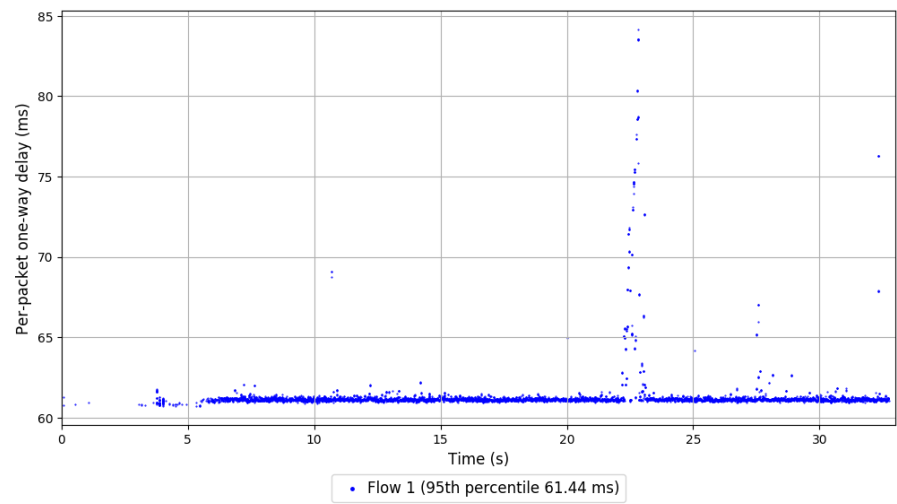
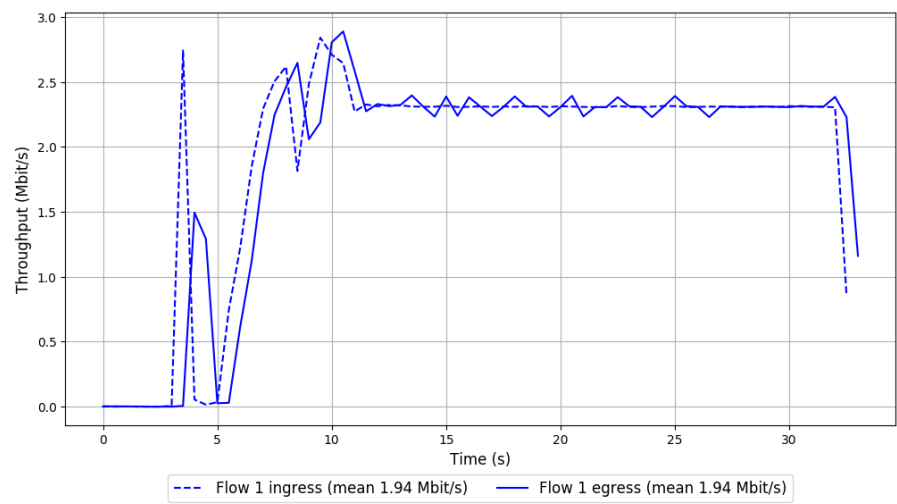


Run 4: Statistics of WebRTC media

Start at: 2018-07-04 11:50:30
End at: 2018-07-04 11:51:00
Local clock offset: -0.032 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-04 16:00:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.435 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-04 12:13:37

End at: 2018-07-04 12:14:07

Local clock offset: 0.025 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-07-04 16:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 61.558 ms

Loss rate: 0.00%

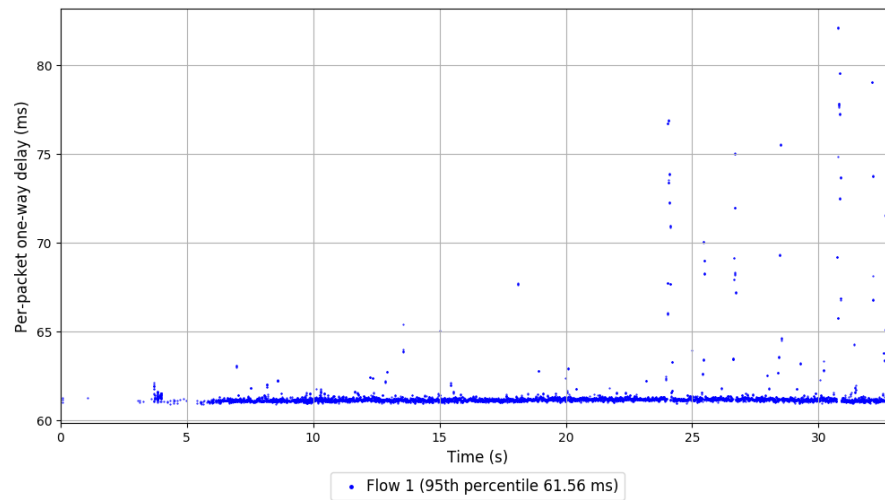
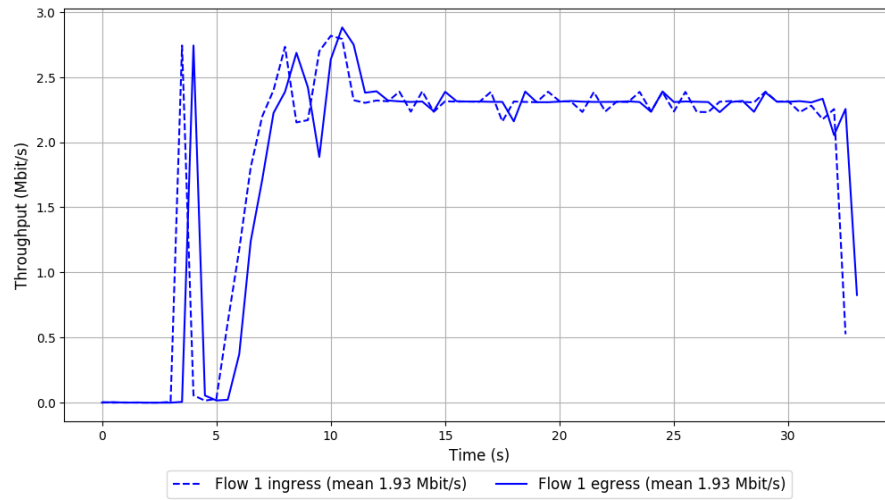
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 61.558 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-04 12:35:26

End at: 2018-07-04 12:35:56

Local clock offset: -0.015 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-04 16:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 61.722 ms

Loss rate: 0.00%

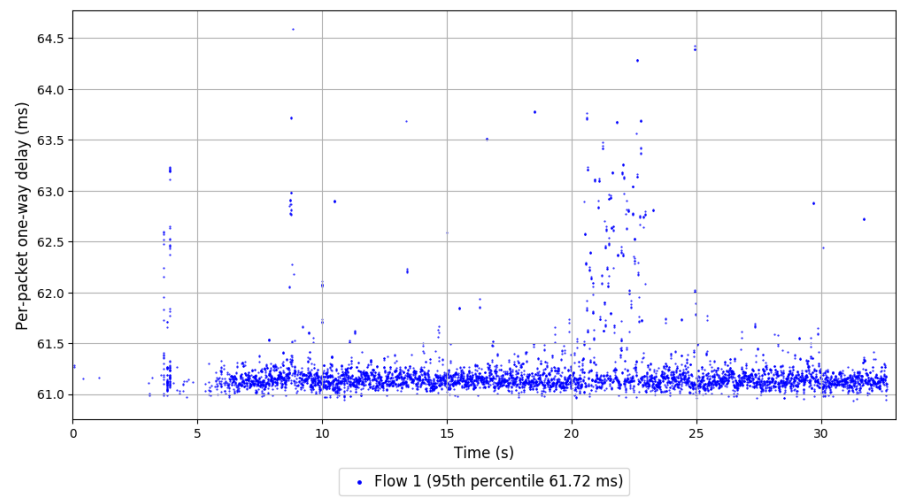
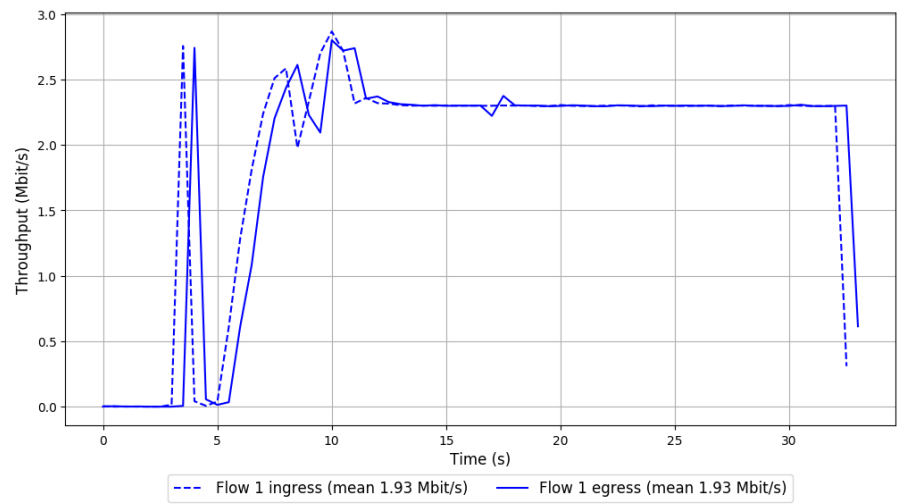
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 61.722 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

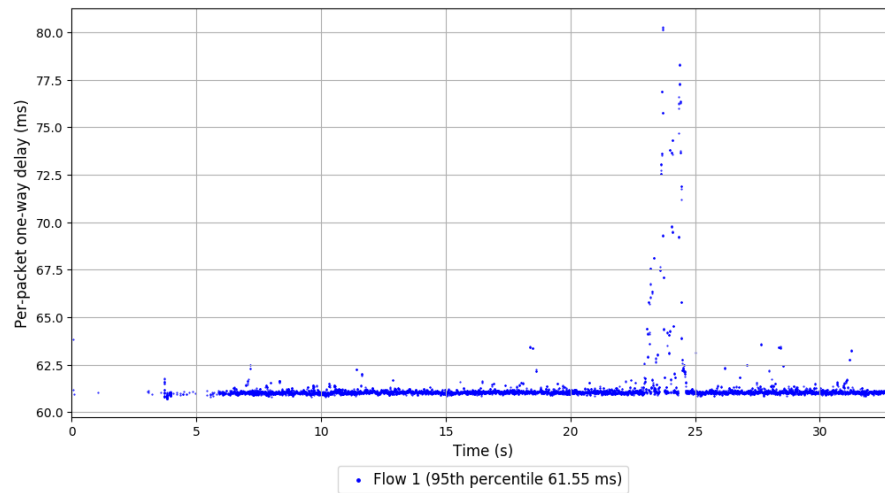
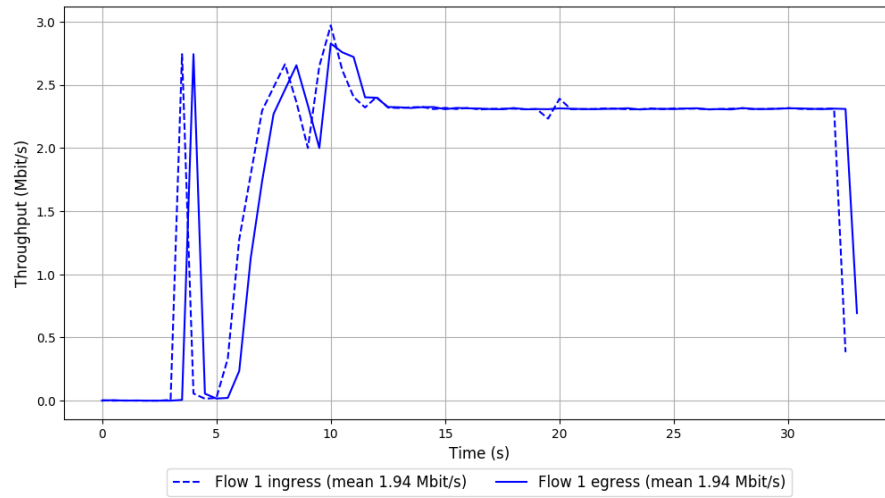


Run 7: Statistics of WebRTC media

Start at: 2018-07-04 12:57:14
End at: 2018-07-04 12:57:44
Local clock offset: -0.005 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-04 16:00:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.553 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-04 13:19:09

End at: 2018-07-04 13:19:39

Local clock offset: -0.013 ms

Remote clock offset: 1.453 ms

Below is generated by plot.py at 2018-07-04 16:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 62.725 ms

Loss rate: 0.00%

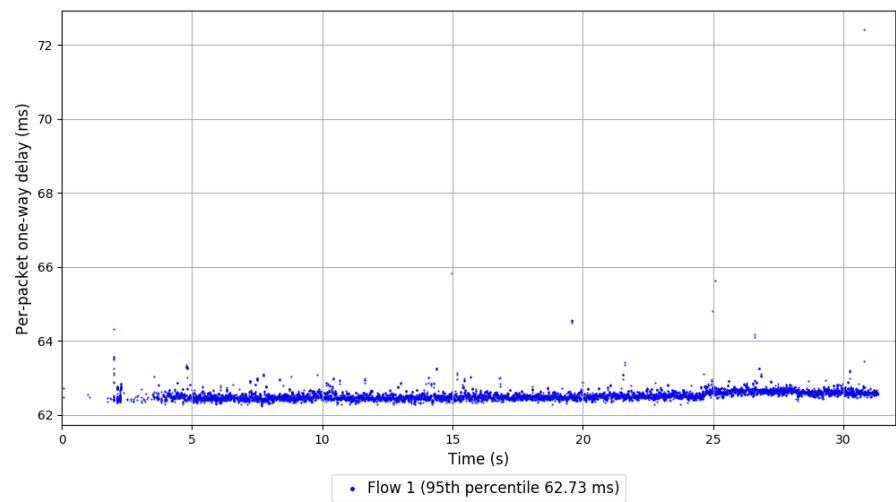
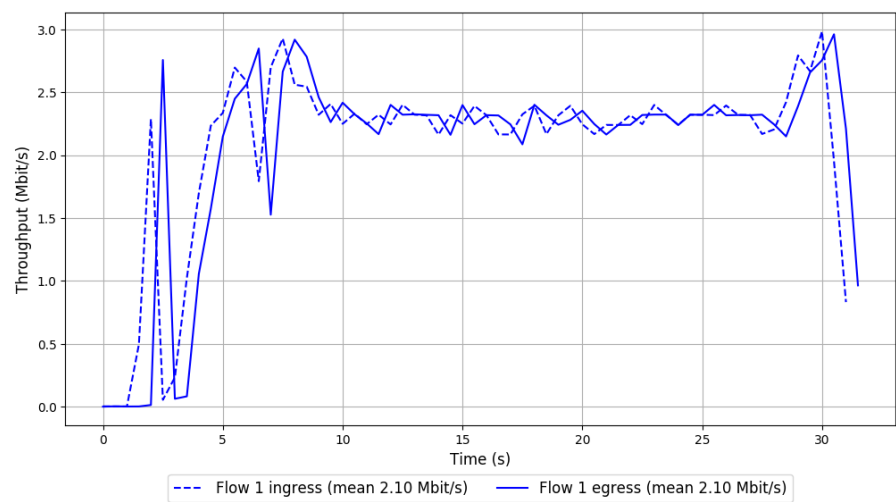
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 62.725 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-04 13:41:11

End at: 2018-07-04 13:41:41

Local clock offset: -0.002 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-07-04 16:00:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.367 ms

Loss rate: 0.00%

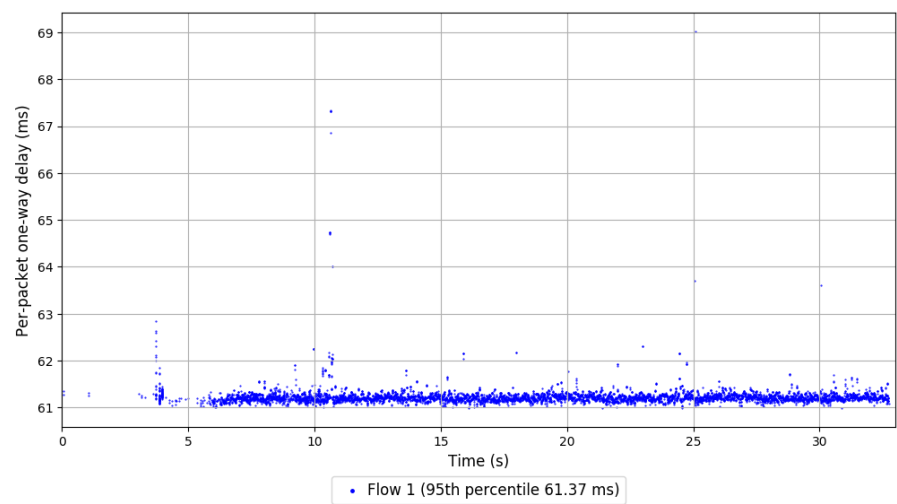
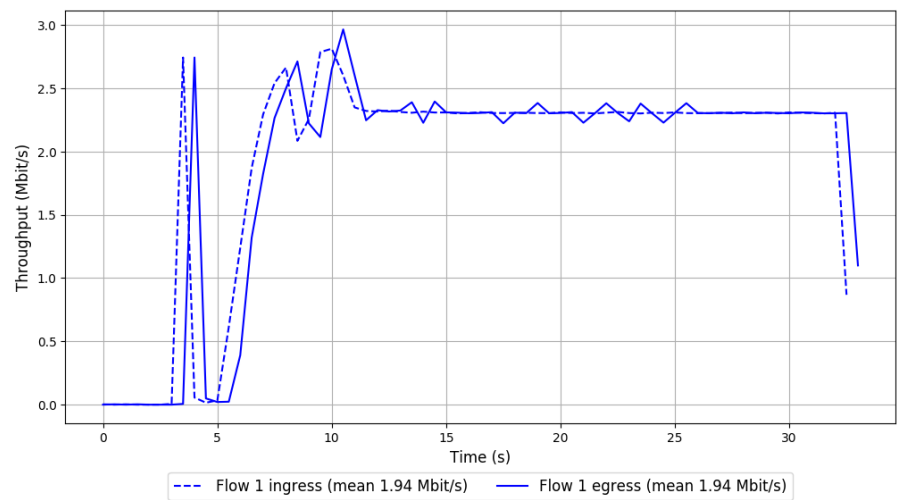
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.367 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-04 14:03:17

End at: 2018-07-04 14:03:47

Local clock offset: -0.05 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-07-04 16:00:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 61.344 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 61.344 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

