

Pantheon Report

Generated at 2018-07-19 04:16:37 (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.

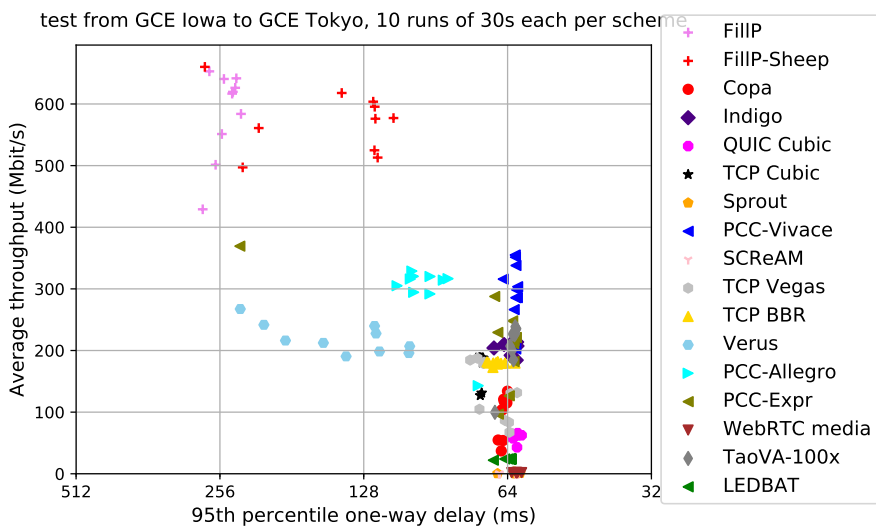
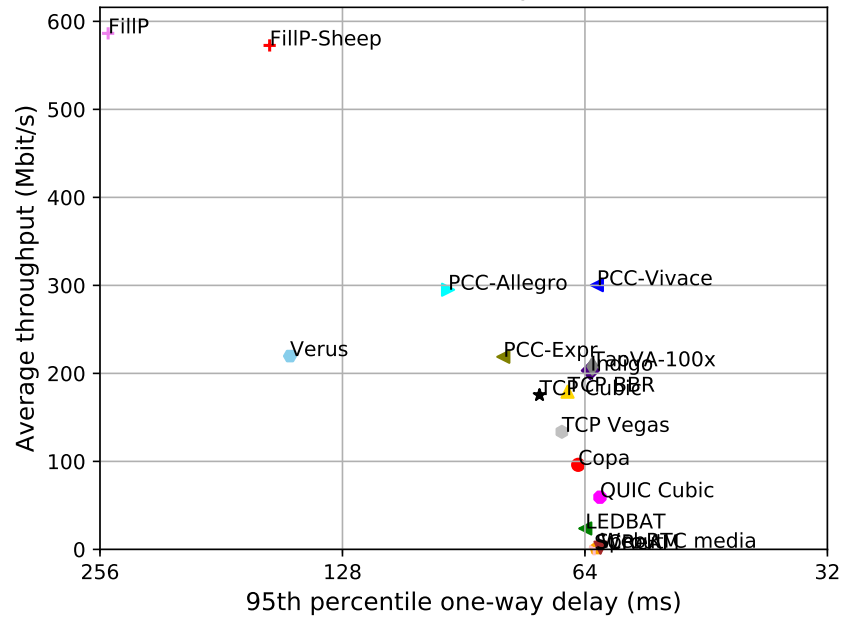
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

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

test from GCE 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	179.20	67.26	0.00
Copa	10	96.10	65.25	0.00
TCP Cubic	10	175.34	72.87	0.02
FillP	10	586.35	250.11	0.64
FillP-Sheep	10	572.66	157.62	0.13
Indigo	10	203.15	63.02	0.00
LEDBAT	10	23.77	63.94	0.00
PCC-Allegro	10	295.05	94.64	0.17
PCC-Expr	10	218.83	80.82	0.21
QUIC Cubic	6	59.30	61.31	0.00
SCReAM	10	0.22	62.33	0.00
Sprout	10	1.14	62.01	0.00
TaoVA-100x	10	208.07	62.66	0.00
TCP Vegas	10	133.60	68.37	0.00
Verus	10	219.67	148.71	0.91
PCC-Vivace	10	300.24	61.86	0.00
WebRTC media	10	1.92	61.22	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 22:55:54

End at: 2018-07-18 22:56:24

Local clock offset: 0.014 ms

Remote clock offset: -0.506 ms

Below is generated by plot.py at 2018-07-19 02:38:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.01 Mbit/s

95th percentile per-packet one-way delay: 67.216 ms

Loss rate: 0.00%

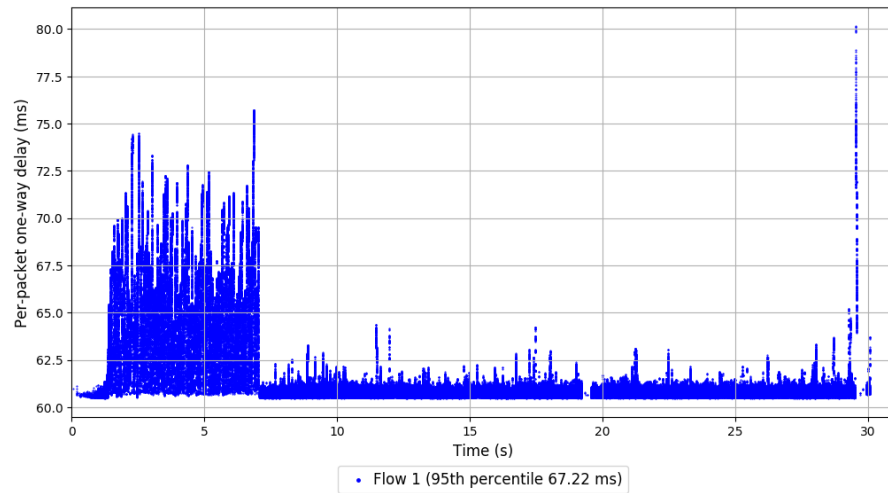
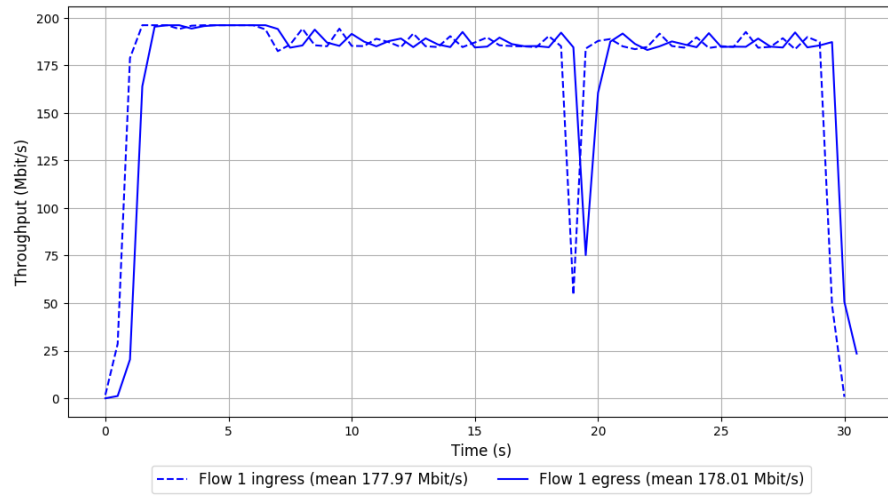
-- Flow 1:

Average throughput: 178.01 Mbit/s

95th percentile per-packet one-way delay: 67.216 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

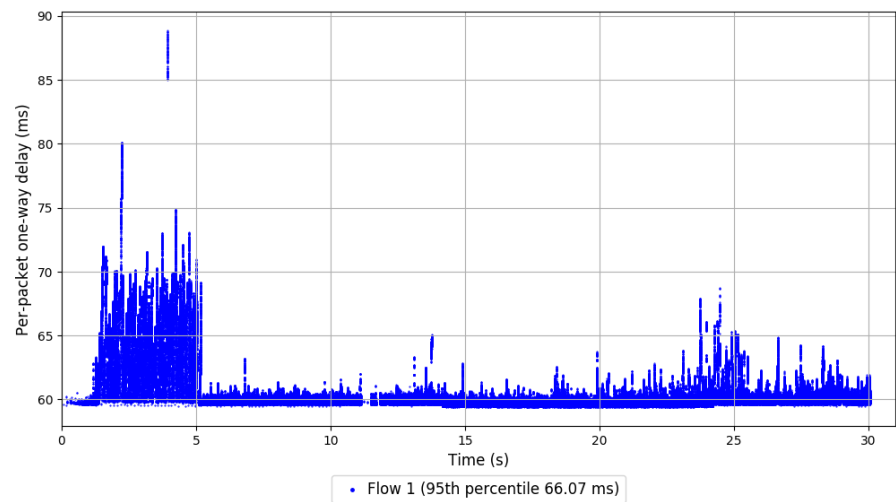
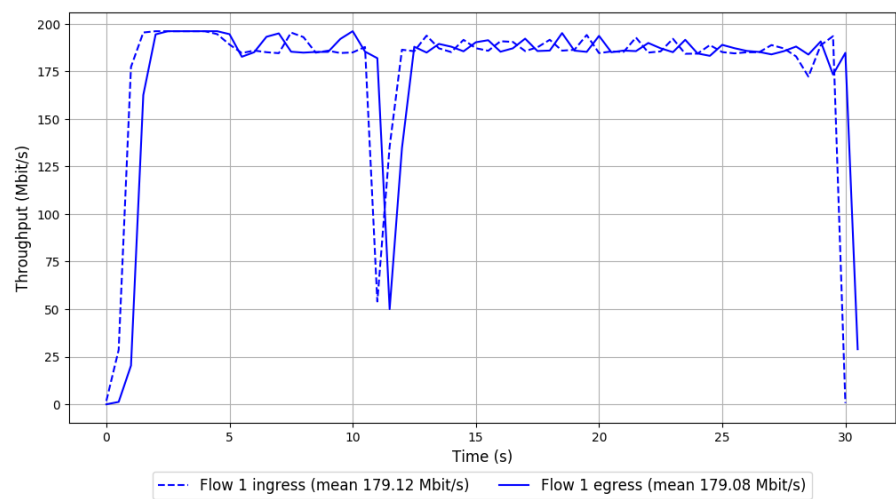


Run 2: Statistics of TCP BBR

Start at: 2018-07-18 23:17:19
End at: 2018-07-18 23:17:49
Local clock offset: -0.014 ms
Remote clock offset: -1.427 ms

Below is generated by plot.py at 2018-07-19 02:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.08 Mbit/s
95th percentile per-packet one-way delay: 66.070 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 179.08 Mbit/s
95th percentile per-packet one-way delay: 66.070 ms
Loss rate: 0.02%

Run 2: Report of TCP BBR — Data Link

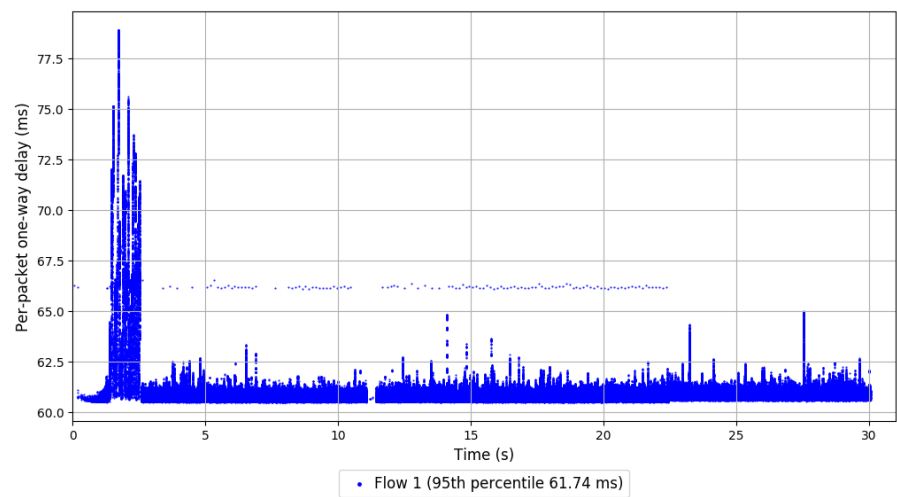
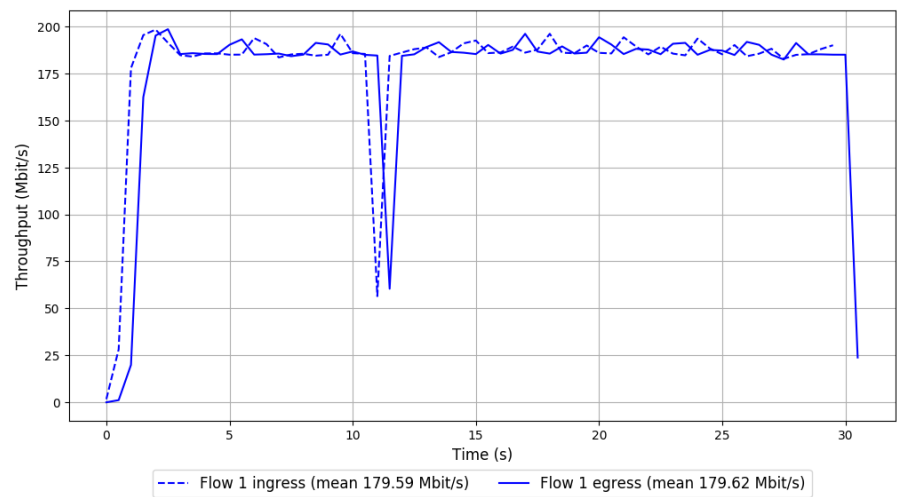


Run 3: Statistics of TCP BBR

Start at: 2018-07-18 23:38:51
End at: 2018-07-18 23:39:21
Local clock offset: -0.015 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-07-19 02:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.62 Mbit/s
95th percentile per-packet one-way delay: 61.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.62 Mbit/s
95th percentile per-packet one-way delay: 61.740 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-19 00:00:29

End at: 2018-07-19 00:00:59

Local clock offset: -0.046 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-07-19 02:38:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.55 Mbit/s

95th percentile per-packet one-way delay: 64.801 ms

Loss rate: 0.00%

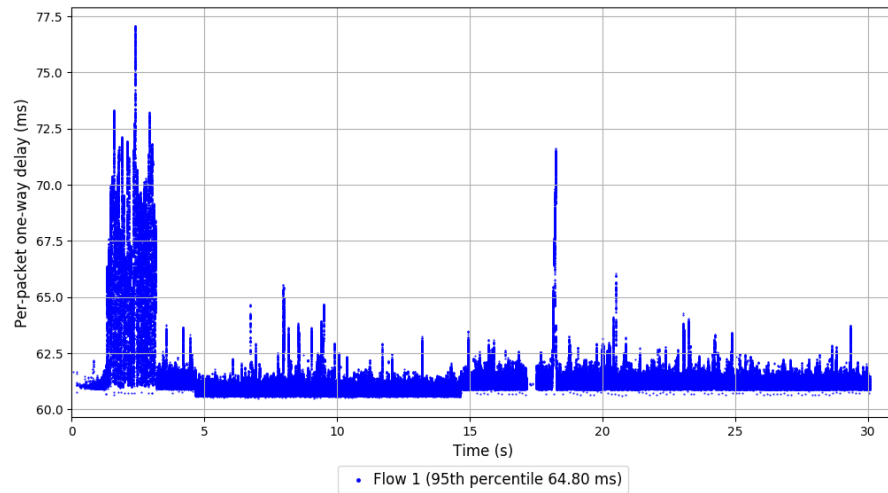
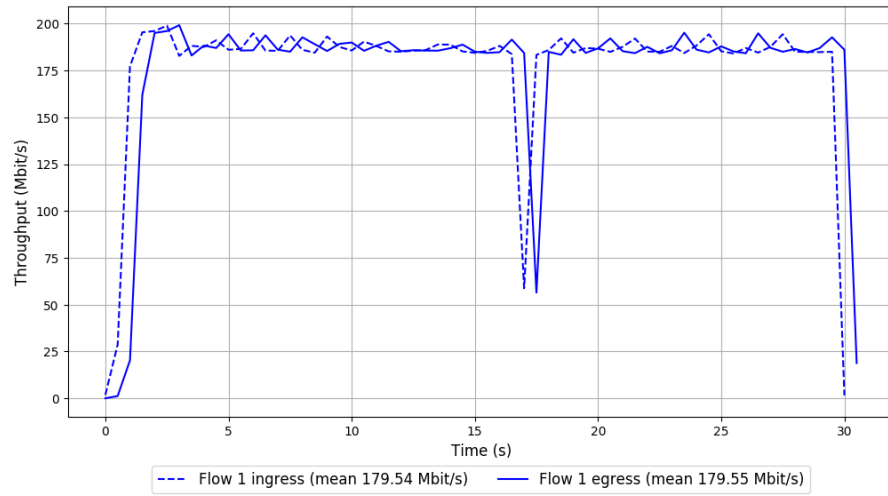
-- Flow 1:

Average throughput: 179.55 Mbit/s

95th percentile per-packet one-way delay: 64.801 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-19 00:22:00

End at: 2018-07-19 00:22:30

Local clock offset: -0.051 ms

Remote clock offset: 0.284 ms

Below is generated by plot.py at 2018-07-19 02:38:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.52 Mbit/s

95th percentile per-packet one-way delay: 68.679 ms

Loss rate: 0.02%

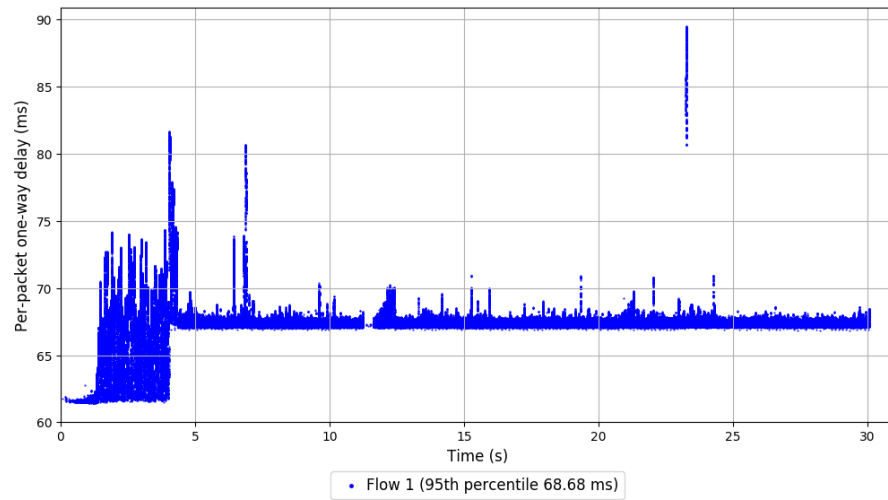
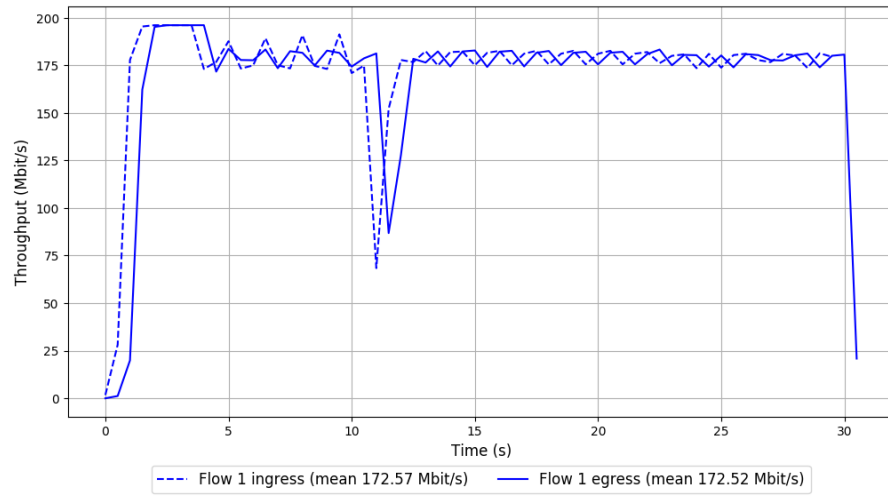
-- Flow 1:

Average throughput: 172.52 Mbit/s

95th percentile per-packet one-way delay: 68.679 ms

Loss rate: 0.02%

Run 5: Report of TCP BBR — Data Link

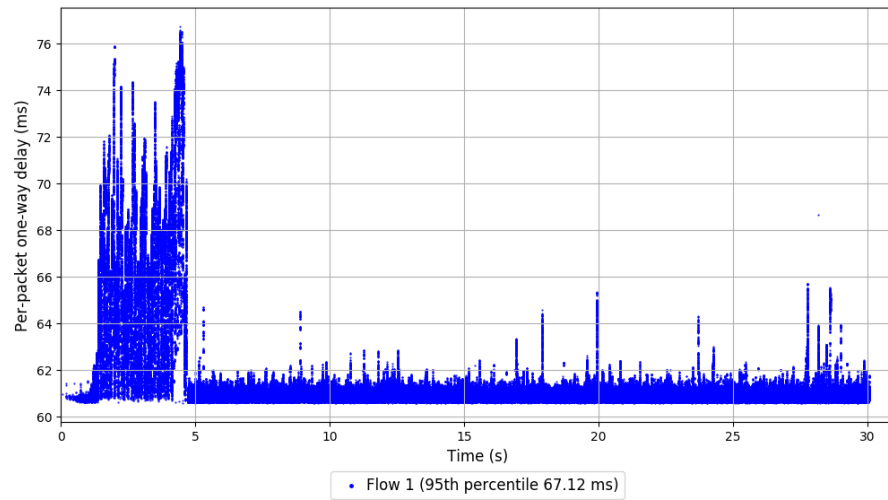
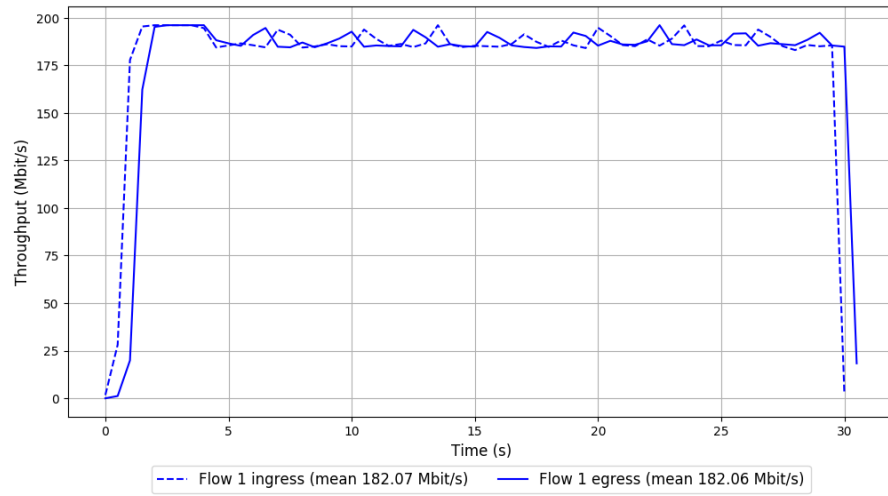


Run 6: Statistics of TCP BBR

Start at: 2018-07-19 00:43:34
End at: 2018-07-19 00:44:04
Local clock offset: -0.074 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-07-19 02:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.06 Mbit/s
95th percentile per-packet one-way delay: 67.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.06 Mbit/s
95th percentile per-packet one-way delay: 67.119 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-19 01:05:23

End at: 2018-07-19 01:05:54

Local clock offset: -0.082 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-19 02:38:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.37 Mbit/s

95th percentile per-packet one-way delay: 67.619 ms

Loss rate: 0.00%

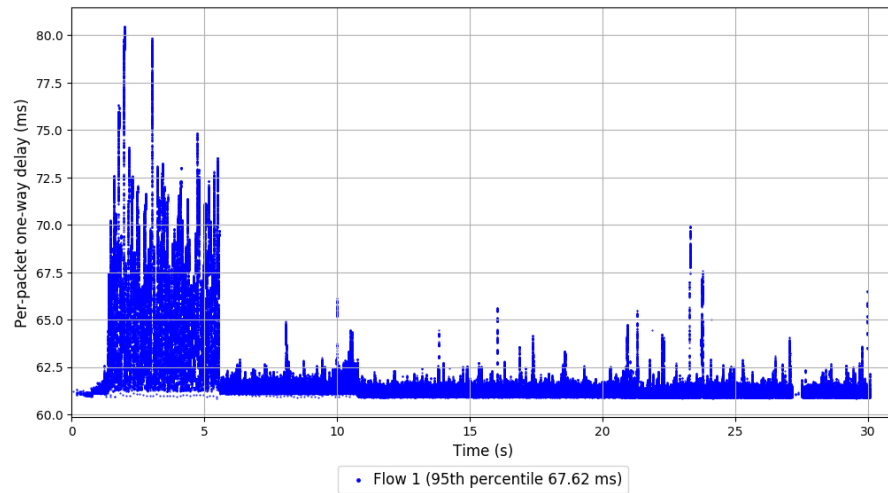
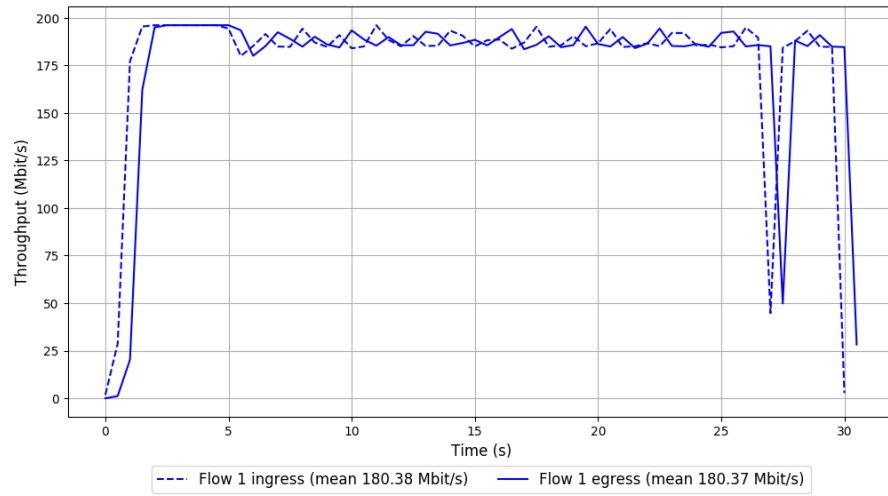
-- Flow 1:

Average throughput: 180.37 Mbit/s

95th percentile per-packet one-way delay: 67.619 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

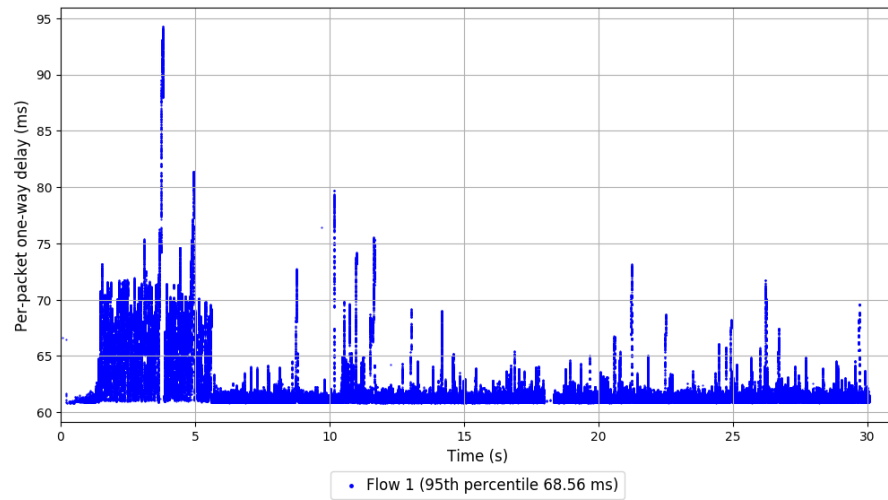
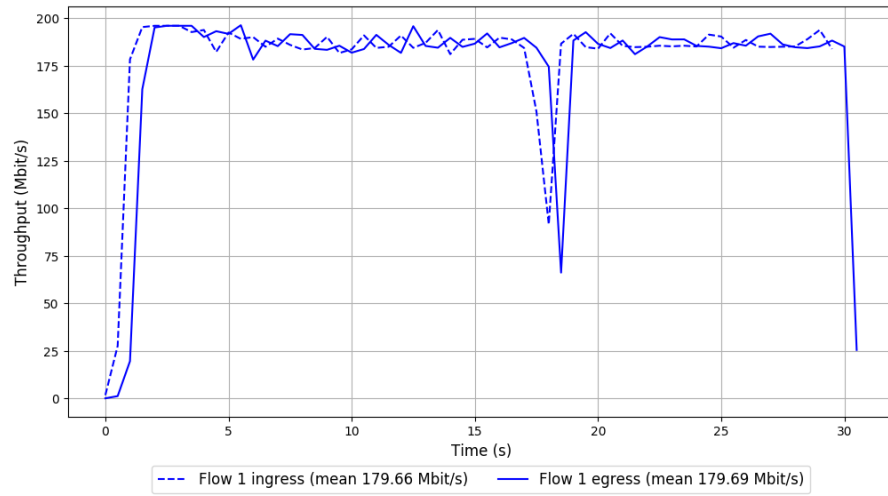


Run 8: Statistics of TCP BBR

Start at: 2018-07-19 01:27:13
End at: 2018-07-19 01:27:43
Local clock offset: -0.033 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-19 02:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.69 Mbit/s
95th percentile per-packet one-way delay: 68.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.69 Mbit/s
95th percentile per-packet one-way delay: 68.561 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

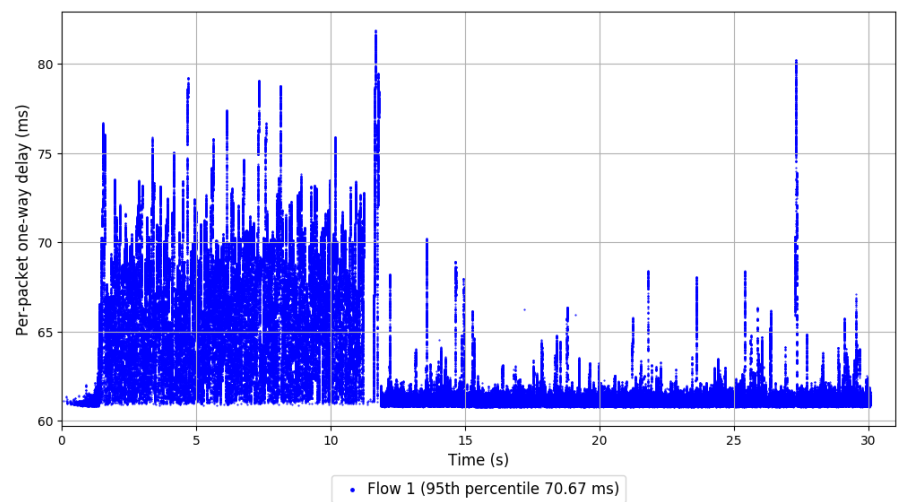
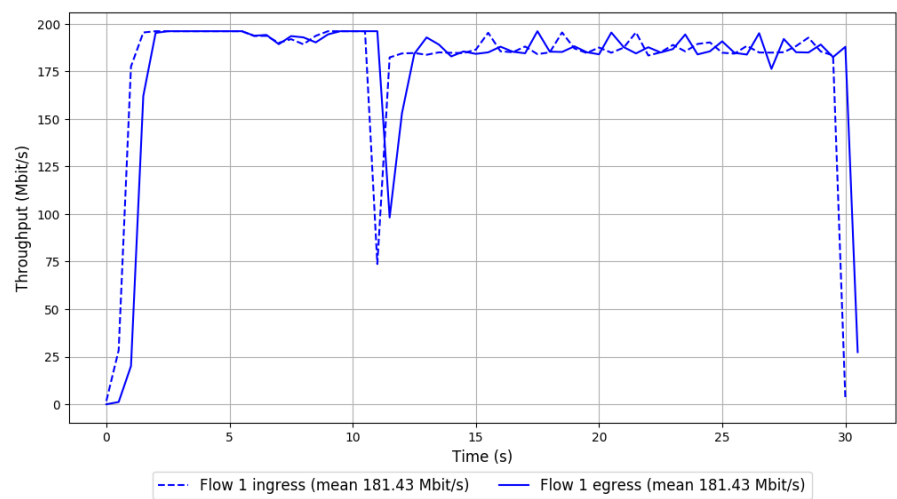


Run 9: Statistics of TCP BBR

Start at: 2018-07-19 01:48:49
End at: 2018-07-19 01:49:19
Local clock offset: -0.005 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-19 02:41:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.43 Mbit/s
95th percentile per-packet one-way delay: 70.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.43 Mbit/s
95th percentile per-packet one-way delay: 70.673 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-19 02:10:35

End at: 2018-07-19 02:11:05

Local clock offset: 0.055 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-19 02:41:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.69 Mbit/s

95th percentile per-packet one-way delay: 70.122 ms

Loss rate: 0.00%

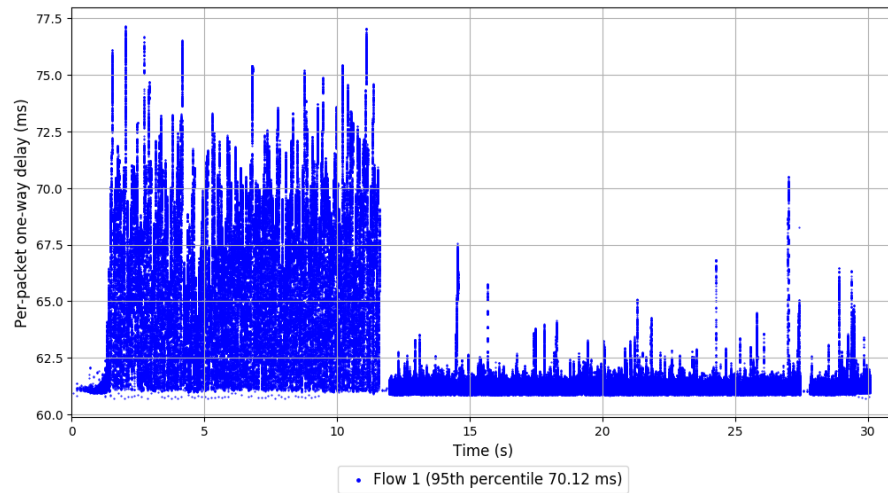
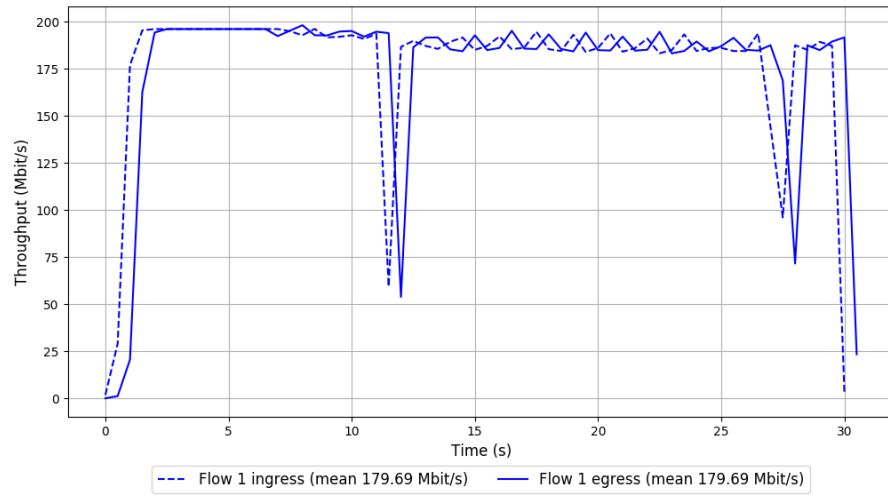
-- Flow 1:

Average throughput: 179.69 Mbit/s

95th percentile per-packet one-way delay: 70.122 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-18 22:54:39

End at: 2018-07-18 22:55:09

Local clock offset: -0.012 ms

Remote clock offset: 1.213 ms

Below is generated by plot.py at 2018-07-19 02:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.44 Mbit/s

95th percentile per-packet one-way delay: 65.830 ms

Loss rate: 0.00%

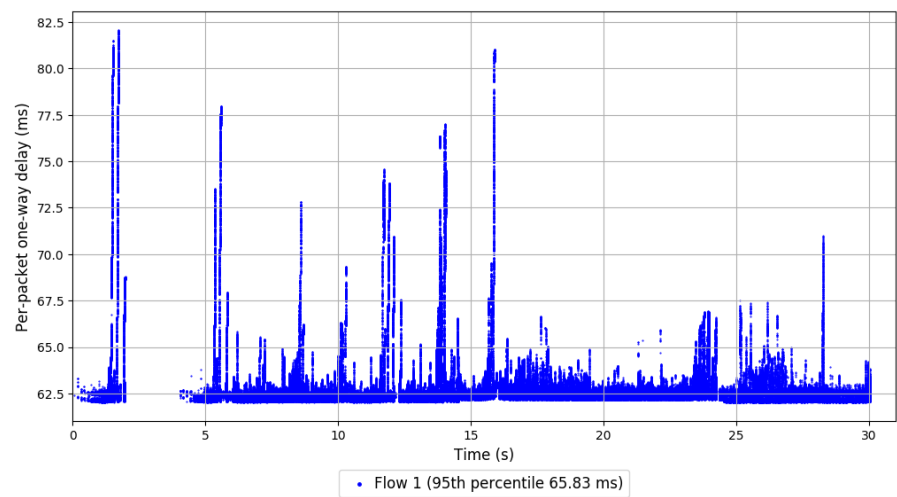
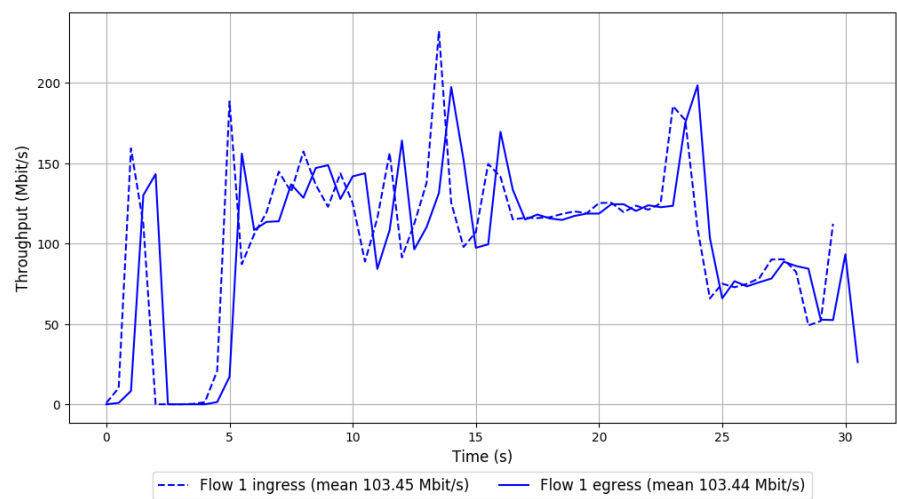
-- Flow 1:

Average throughput: 103.44 Mbit/s

95th percentile per-packet one-way delay: 65.830 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

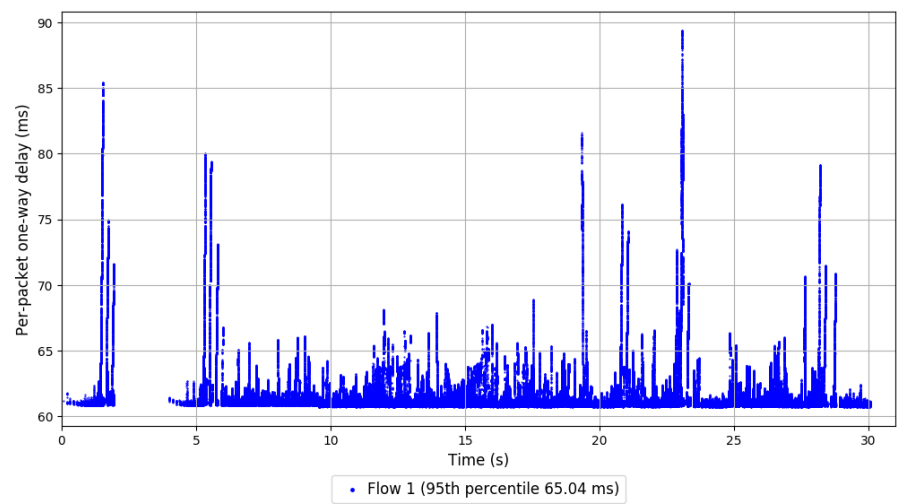
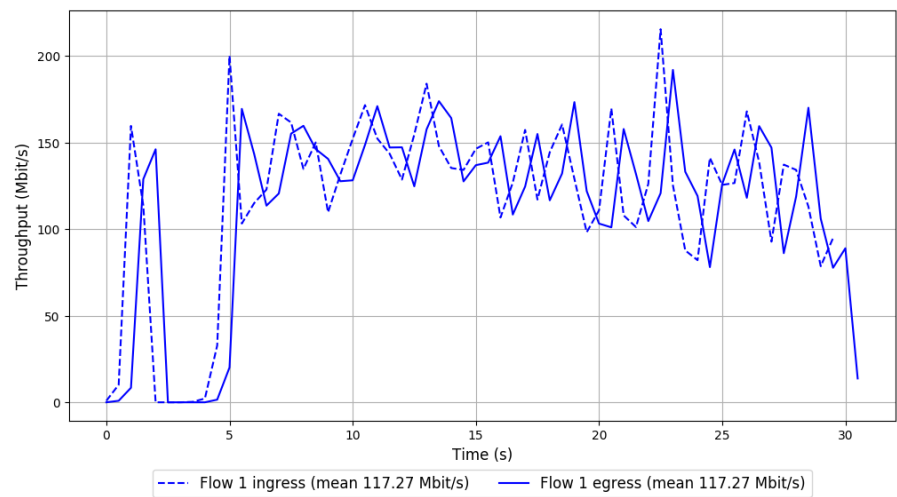


Run 2: Statistics of Copa

Start at: 2018-07-18 23:16:04
End at: 2018-07-18 23:16:34
Local clock offset: -0.017 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-19 02:42:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.27 Mbit/s
95th percentile per-packet one-way delay: 65.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 117.27 Mbit/s
95th percentile per-packet one-way delay: 65.042 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

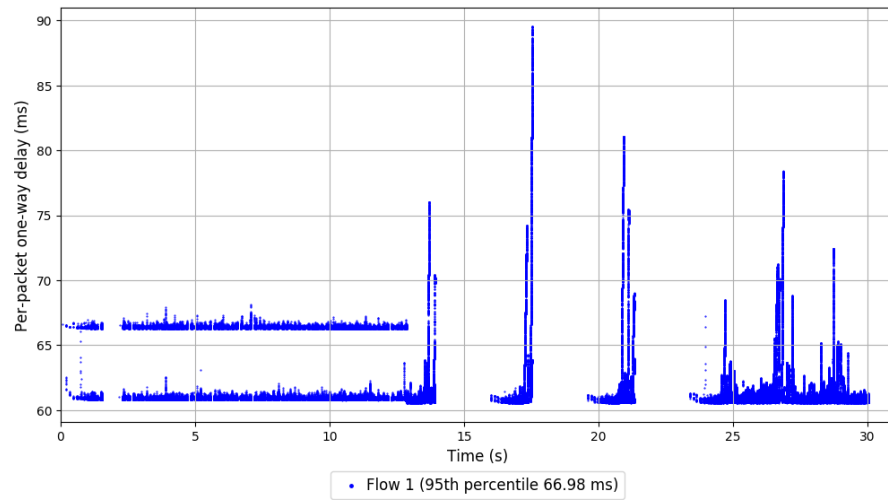
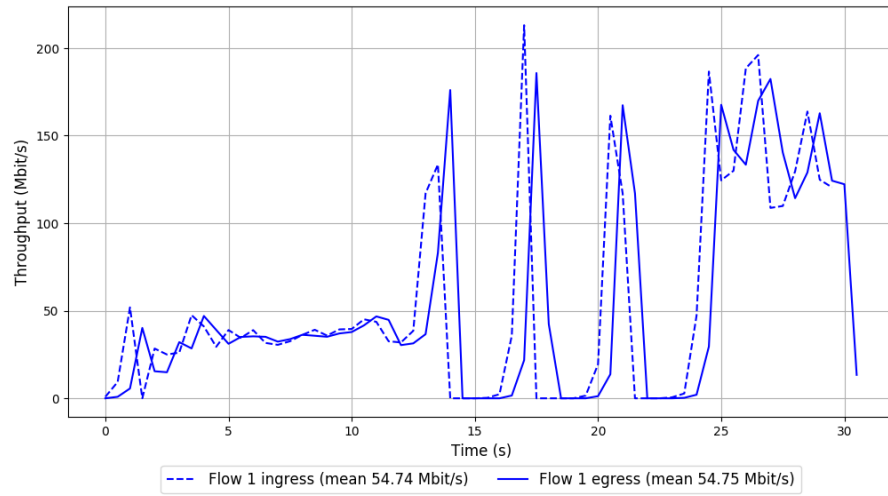


Run 3: Statistics of Copa

Start at: 2018-07-18 23:37:41
End at: 2018-07-18 23:38:11
Local clock offset: -0.019 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-19 02:42:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.75 Mbit/s
95th percentile per-packet one-way delay: 66.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.75 Mbit/s
95th percentile per-packet one-way delay: 66.984 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

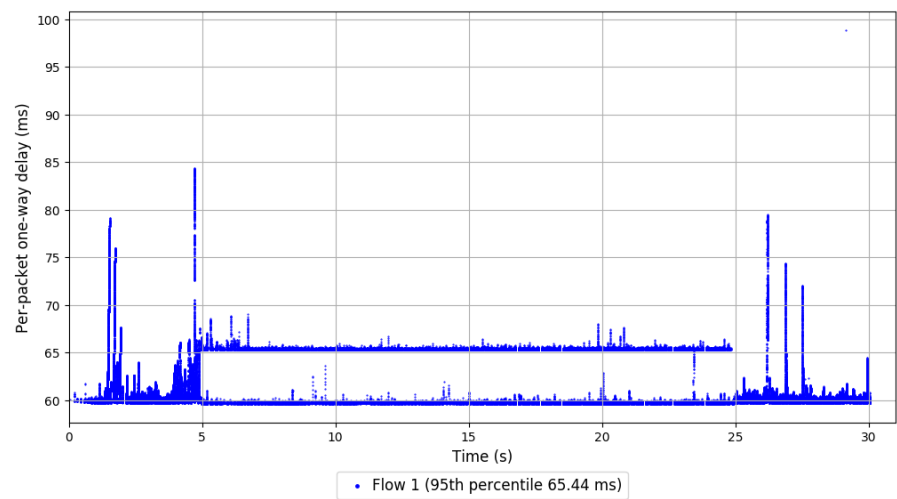
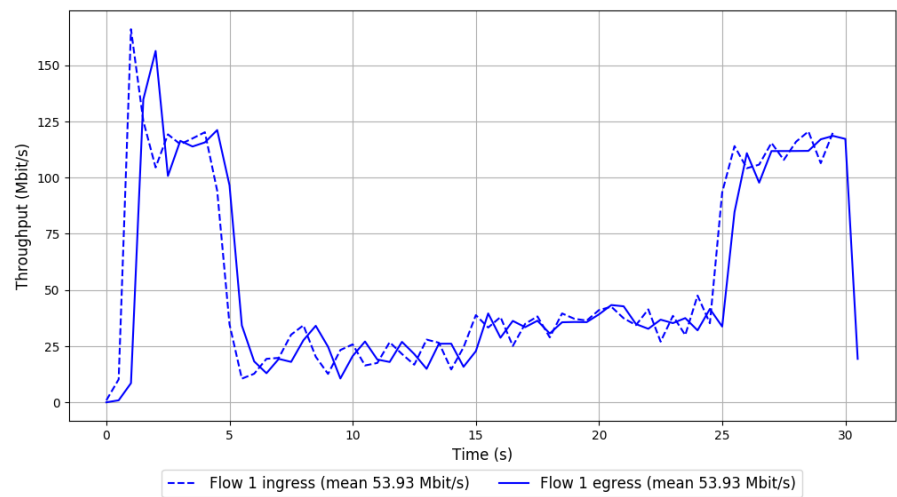


Run 4: Statistics of Copa

Start at: 2018-07-18 23:59:19
End at: 2018-07-18 23:59:49
Local clock offset: -0.022 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2018-07-19 02:42:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.93 Mbit/s
95th percentile per-packet one-way delay: 65.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.93 Mbit/s
95th percentile per-packet one-way delay: 65.441 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-19 00:20:51

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

Local clock offset: -0.034 ms

Remote clock offset: -1.49 ms

Below is generated by plot.py at 2018-07-19 02:42:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.10 Mbit/s

95th percentile per-packet one-way delay: 65.967 ms

Loss rate: 0.00%

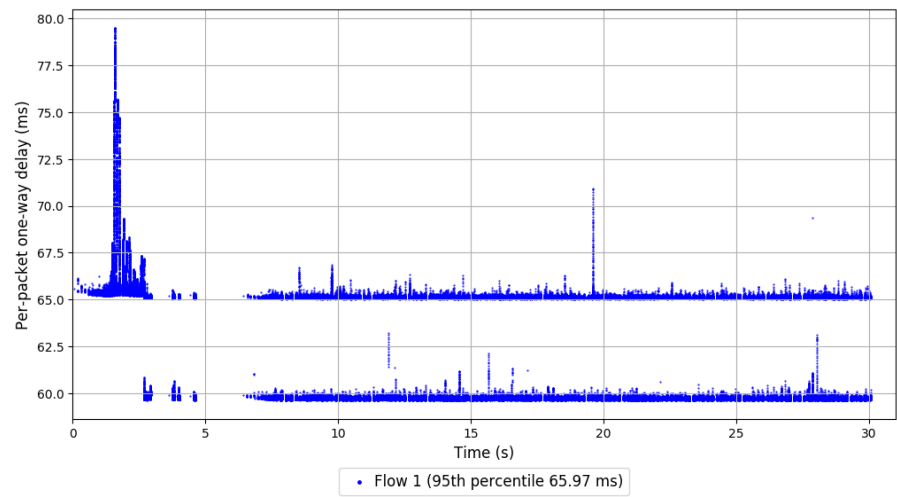
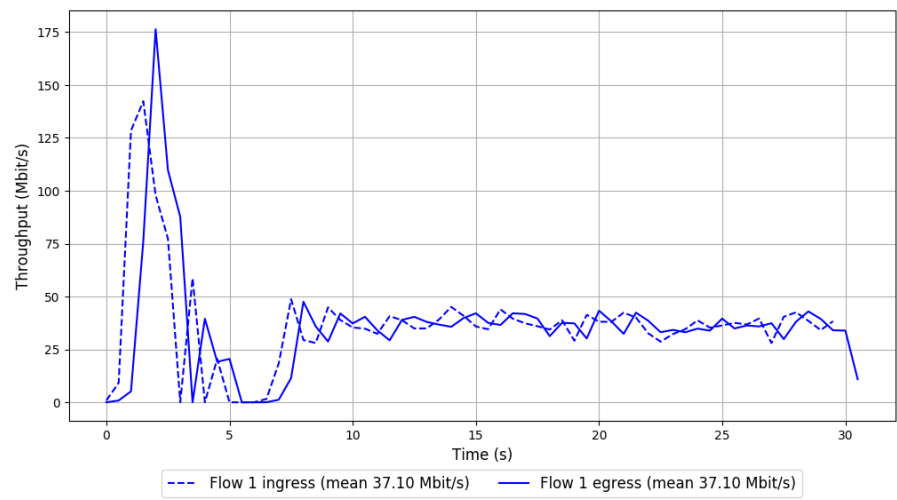
-- Flow 1:

Average throughput: 37.10 Mbit/s

95th percentile per-packet one-way delay: 65.967 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

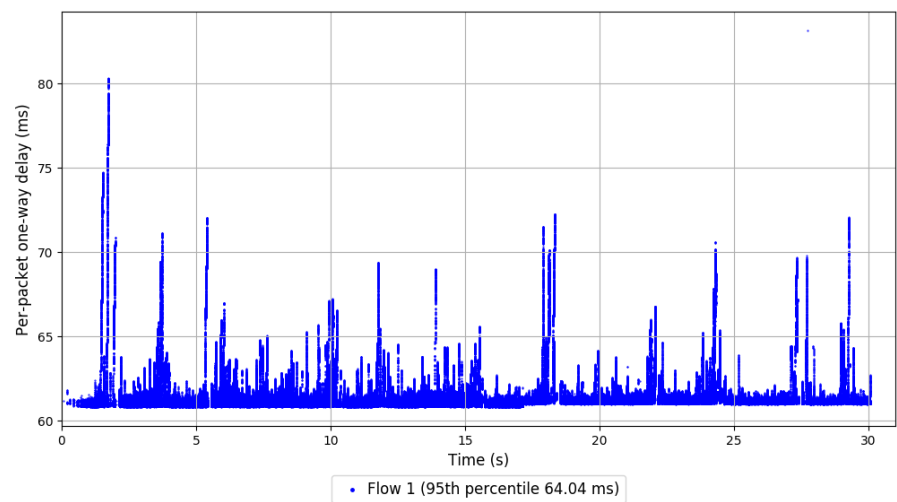
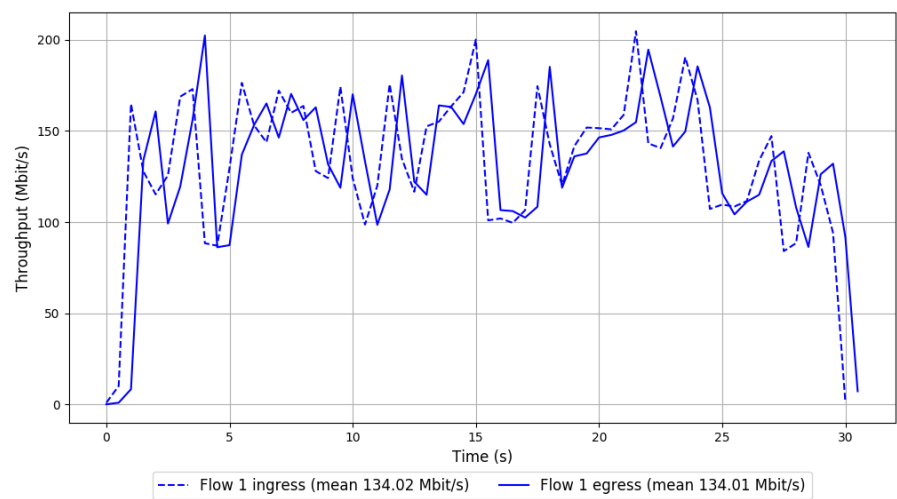


Run 6: Statistics of Copa

Start at: 2018-07-19 00:42:17
End at: 2018-07-19 00:42:47
Local clock offset: -0.095 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-19 02:43:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.01 Mbit/s
95th percentile per-packet one-way delay: 64.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.01 Mbit/s
95th percentile per-packet one-way delay: 64.040 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

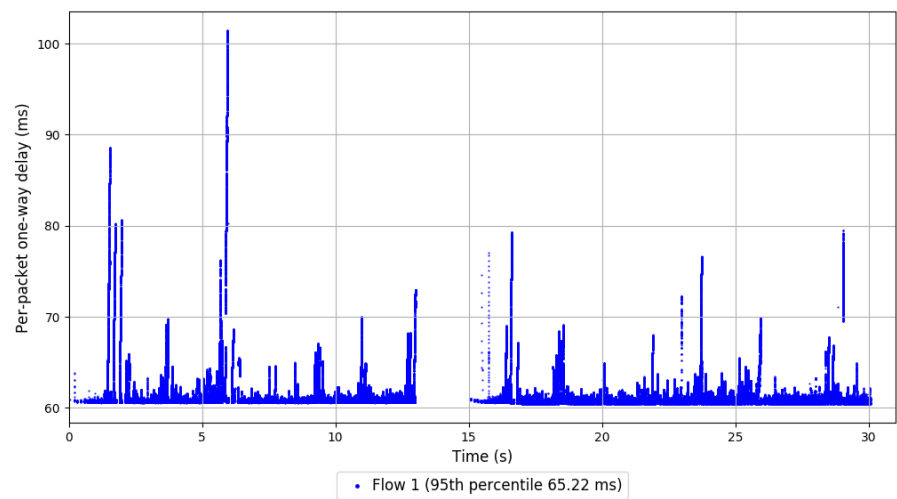
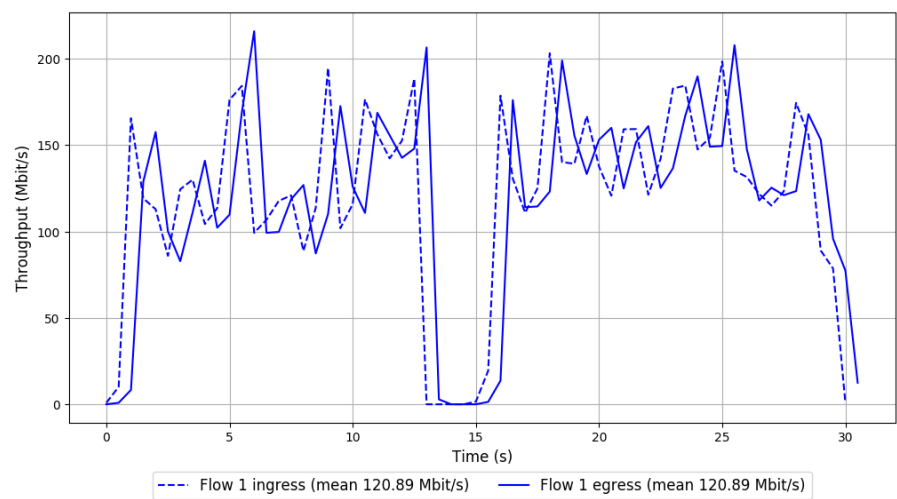


Run 7: Statistics of Copa

Start at: 2018-07-19 01:04:08
End at: 2018-07-19 01:04:38
Local clock offset: -0.043 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-07-19 02:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.89 Mbit/s
95th percentile per-packet one-way delay: 65.218 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.89 Mbit/s
95th percentile per-packet one-way delay: 65.218 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-19 01:25:57

End at: 2018-07-19 01:26:27

Local clock offset: -0.004 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-07-19 02:44:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.38 Mbit/s

95th percentile per-packet one-way delay: 64.190 ms

Loss rate: 0.00%

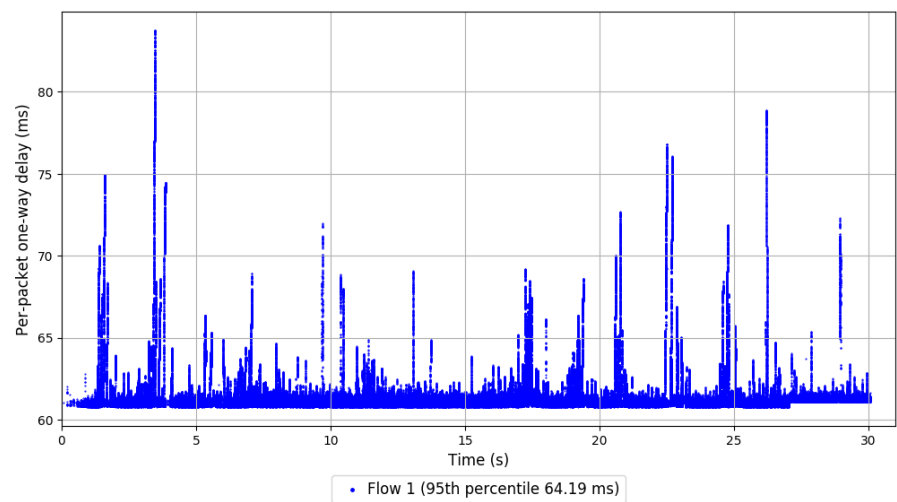
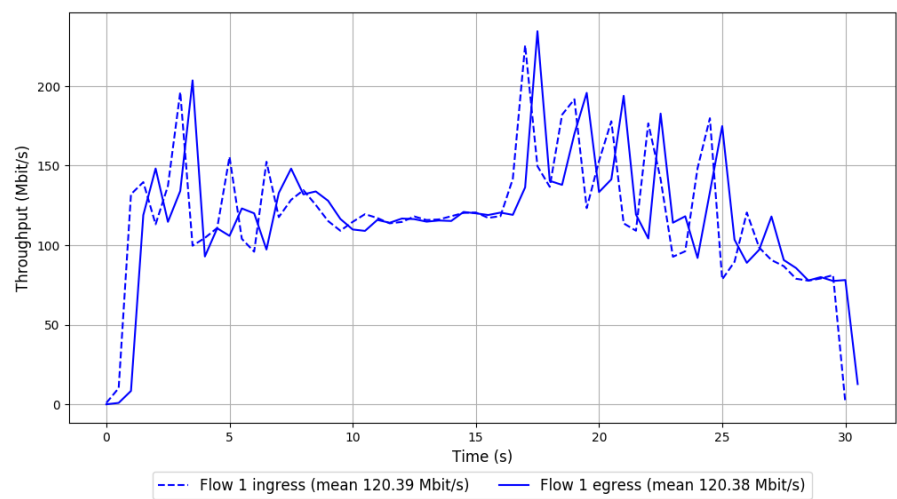
-- Flow 1:

Average throughput: 120.38 Mbit/s

95th percentile per-packet one-way delay: 64.190 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

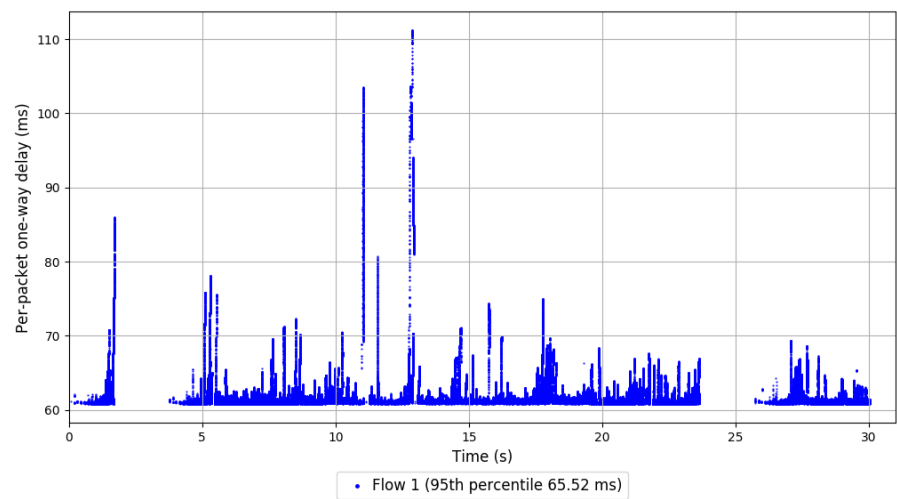
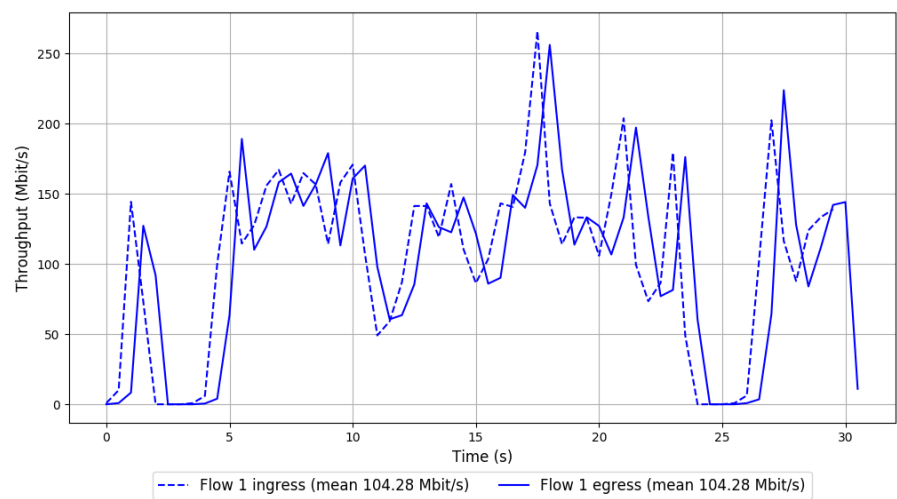


Run 9: Statistics of Copa

Start at: 2018-07-19 01:47:35
End at: 2018-07-19 01:48:05
Local clock offset: -0.01 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-19 02:44:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.28 Mbit/s
95th percentile per-packet one-way delay: 65.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.28 Mbit/s
95th percentile per-packet one-way delay: 65.524 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

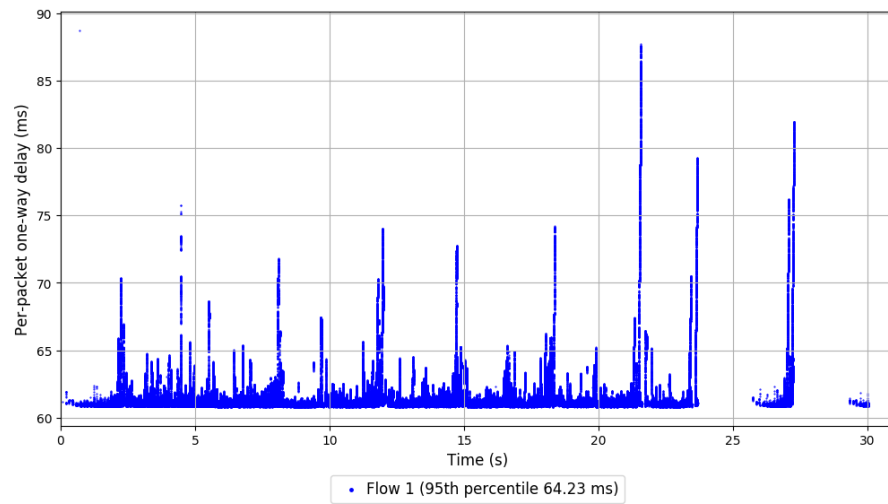
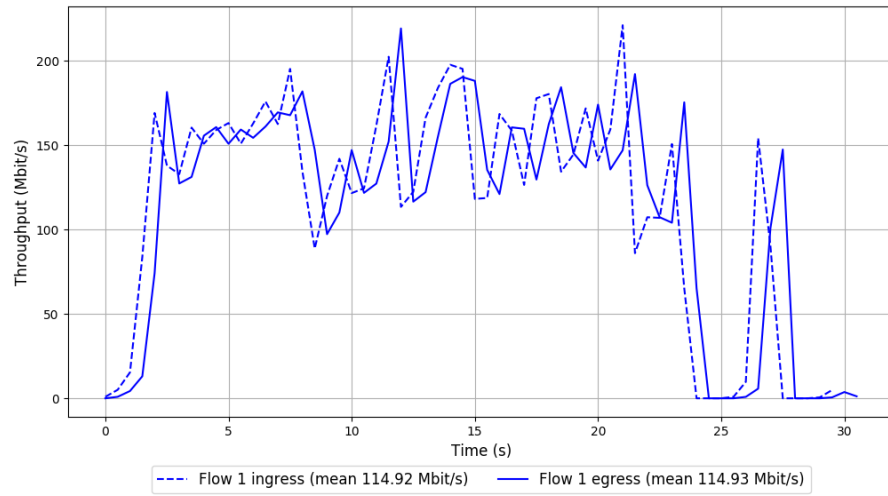


Run 10: Statistics of Copa

Start at: 2018-07-19 02:09:19
End at: 2018-07-19 02:09:49
Local clock offset: 0.03 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-19 02:46:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.93 Mbit/s
95th percentile per-packet one-way delay: 64.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.93 Mbit/s
95th percentile per-packet one-way delay: 64.233 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

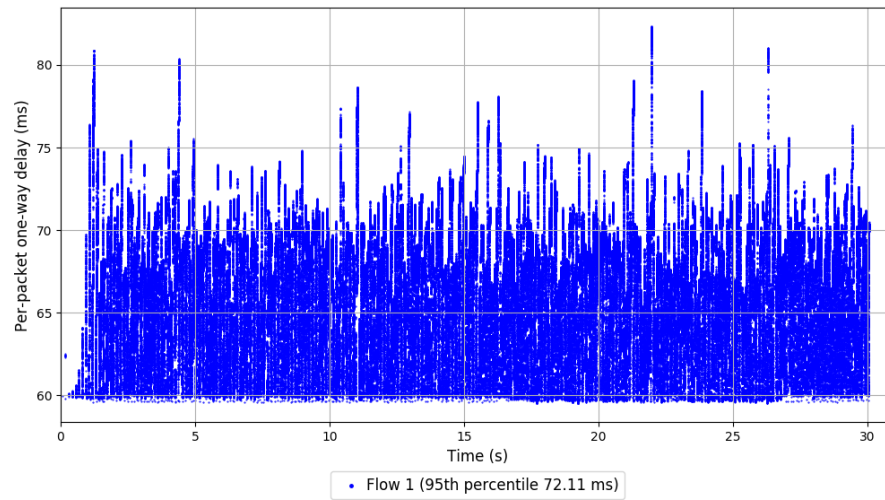
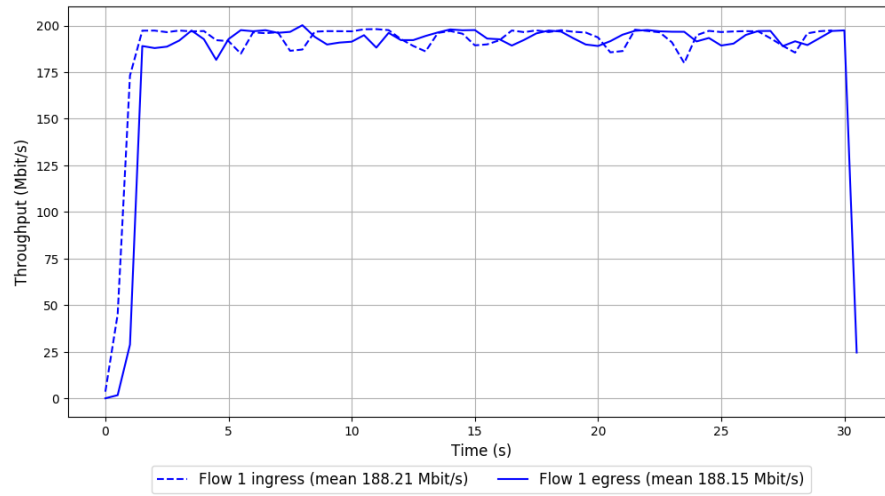


Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 22:49:47
End at: 2018-07-18 22:50:17
Local clock offset: 0.012 ms
Remote clock offset: -1.511 ms

Below is generated by plot.py at 2018-07-19 02:46:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 72.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 72.114 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

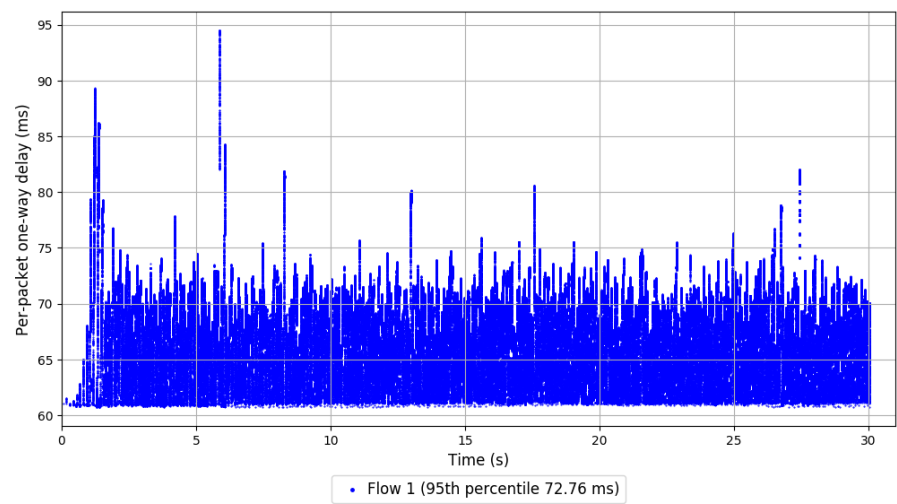
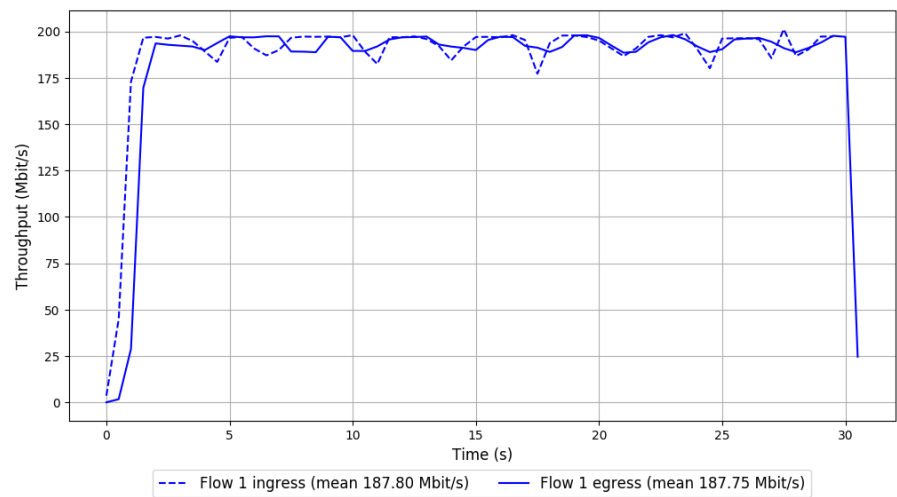


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 23:11:18
End at: 2018-07-18 23:11:48
Local clock offset: -0.015 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-19 02:46:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.75 Mbit/s
95th percentile per-packet one-way delay: 72.760 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.75 Mbit/s
95th percentile per-packet one-way delay: 72.760 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

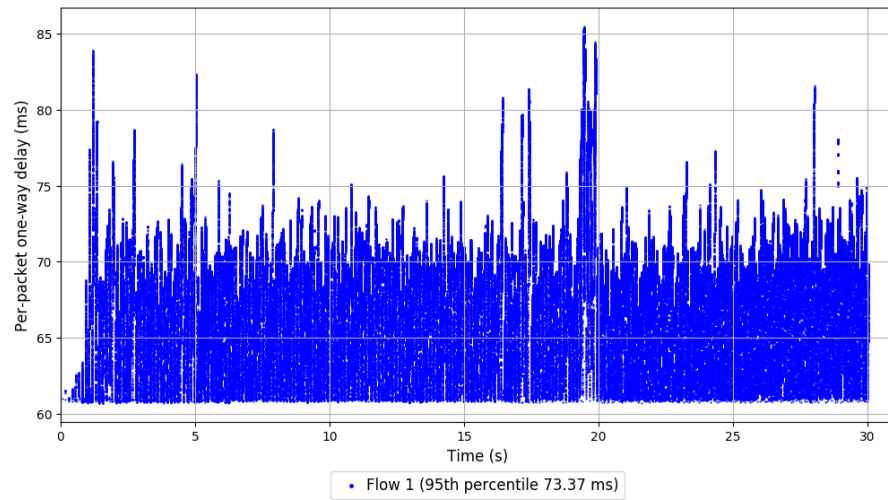
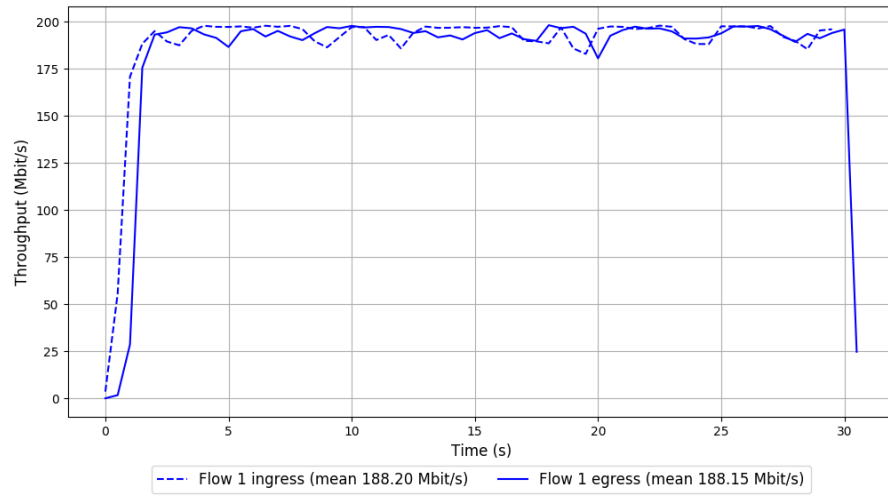


Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 23:32:47
End at: 2018-07-18 23:33:17
Local clock offset: 0.013 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-07-19 02:46:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 73.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 73.367 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

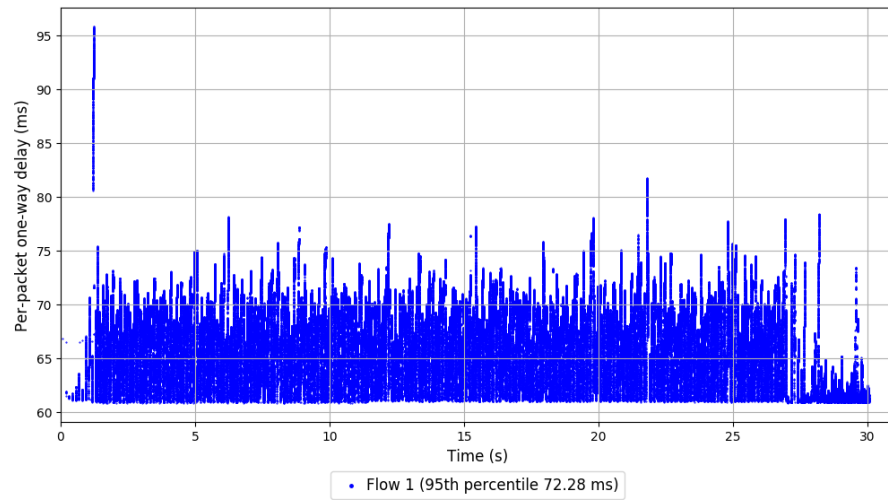
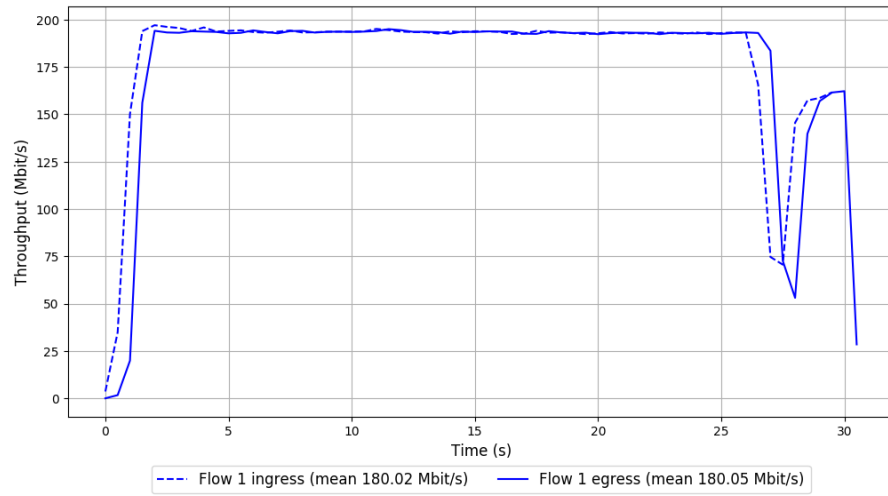


Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 23:54:22
End at: 2018-07-18 23:54:52
Local clock offset: -0.037 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-19 02:47:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.05 Mbit/s
95th percentile per-packet one-way delay: 72.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.05 Mbit/s
95th percentile per-packet one-way delay: 72.285 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-19 00:15:55

End at: 2018-07-19 00:16:25

Local clock offset: -0.086 ms

Remote clock offset: 1.29 ms

Below is generated by plot.py at 2018-07-19 02:48:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.65 Mbit/s

95th percentile per-packet one-way delay: 74.495 ms

Loss rate: 0.00%

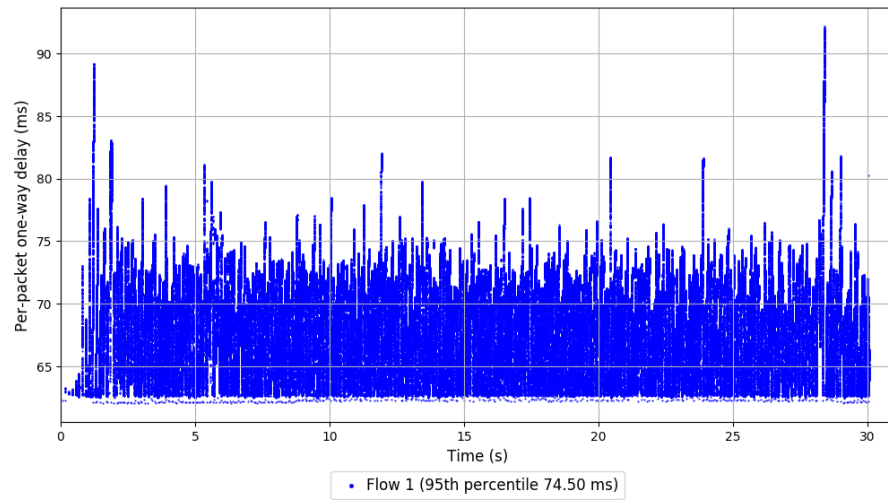
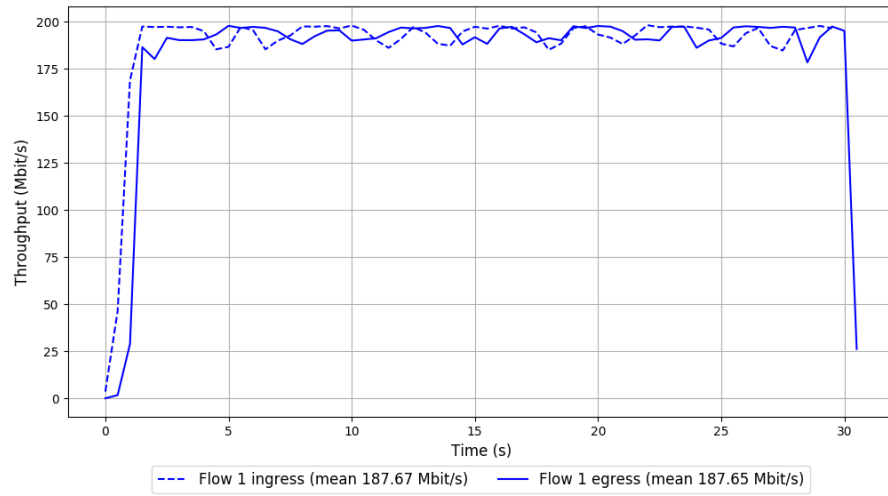
-- Flow 1:

Average throughput: 187.65 Mbit/s

95th percentile per-packet one-way delay: 74.495 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

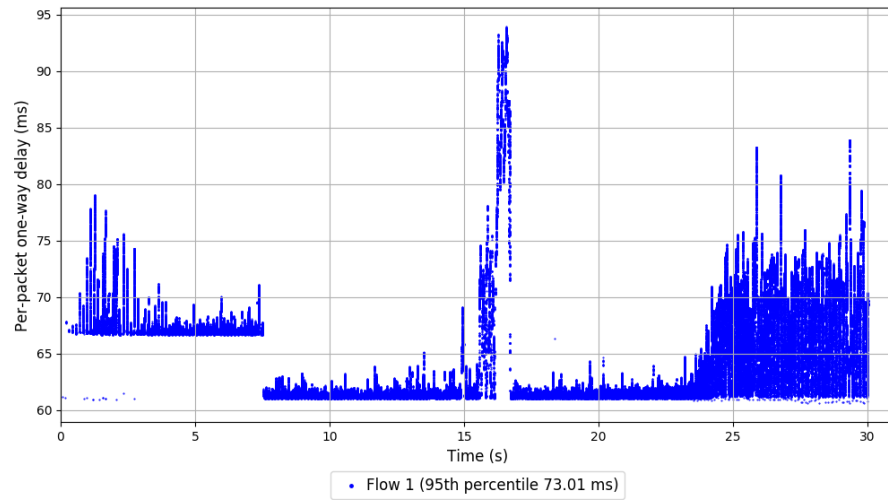
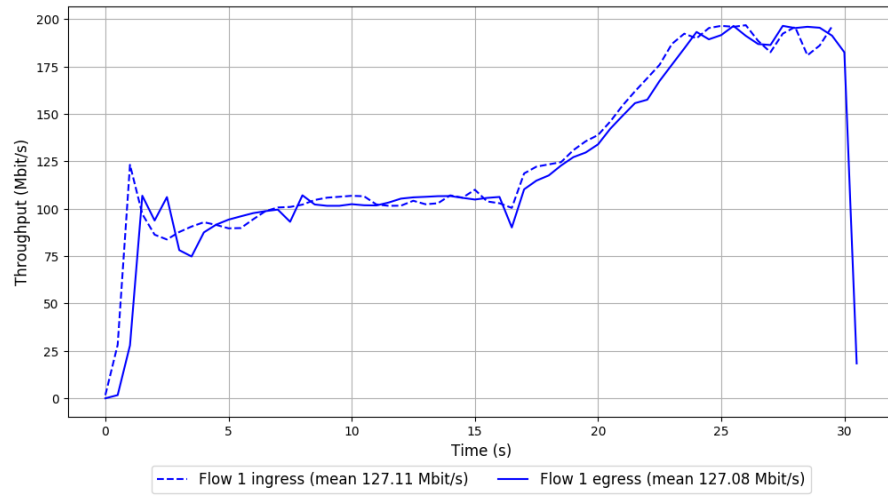


Run 6: Statistics of TCP Cubic

Start at: 2018-07-19 00:37:27
End at: 2018-07-19 00:37:57
Local clock offset: -0.041 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-19 02:48:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.08 Mbit/s
95th percentile per-packet one-way delay: 73.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.08 Mbit/s
95th percentile per-packet one-way delay: 73.009 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

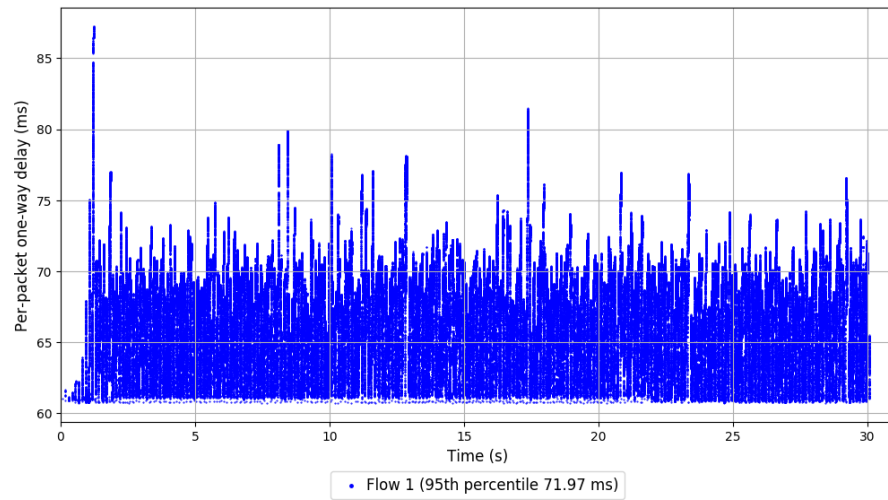
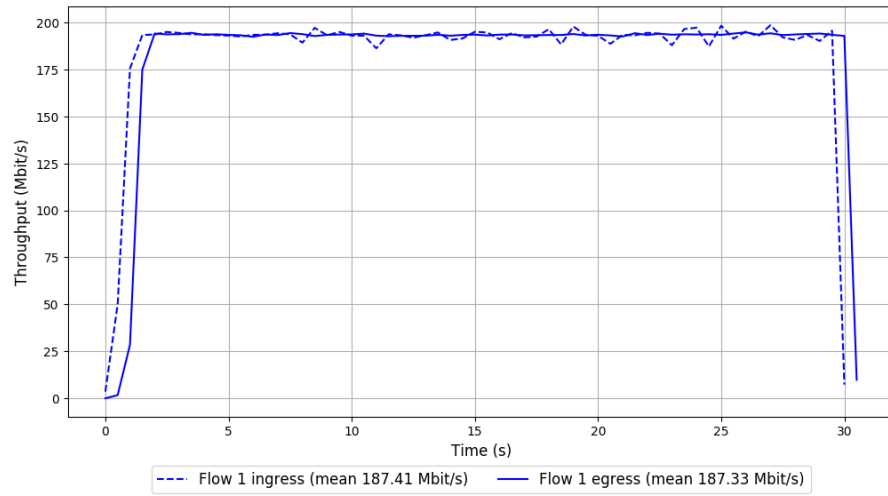


Run 7: Statistics of TCP Cubic

Start at: 2018-07-19 00:59:12
End at: 2018-07-19 00:59:42
Local clock offset: -0.033 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-19 02:48:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.33 Mbit/s
95th percentile per-packet one-way delay: 71.973 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 187.33 Mbit/s
95th percentile per-packet one-way delay: 71.973 ms
Loss rate: 0.04%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-19 01:21:06

End at: 2018-07-19 01:21:36

Local clock offset: -0.018 ms

Remote clock offset: 1.286 ms

Below is generated by plot.py at 2018-07-19 02:49:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.02 Mbit/s

95th percentile per-packet one-way delay: 72.855 ms

Loss rate: 0.02%

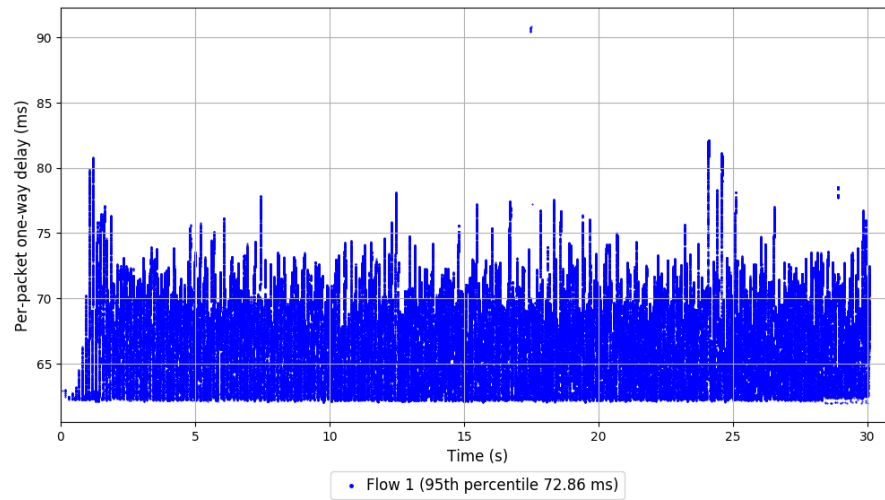
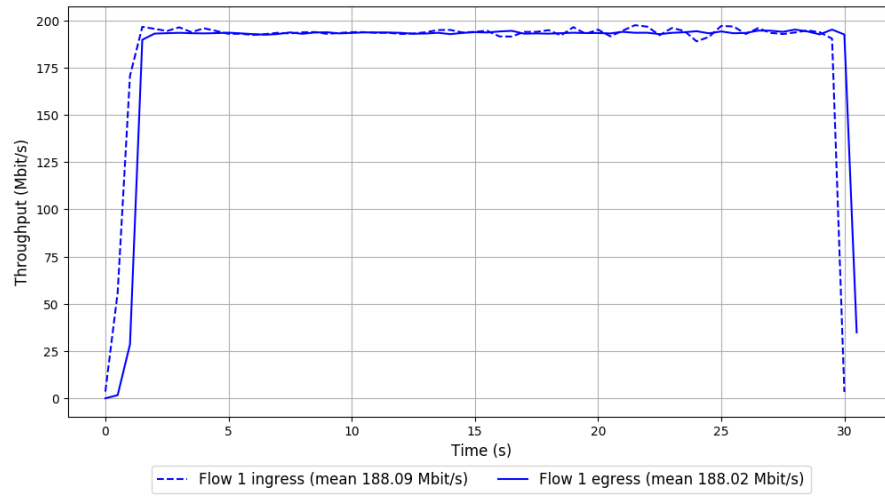
-- Flow 1:

Average throughput: 188.02 Mbit/s

95th percentile per-packet one-way delay: 72.855 ms

Loss rate: 0.02%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-19 01:42:41

End at: 2018-07-19 01:43:11

Local clock offset: 0.012 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-19 02:49:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.96 Mbit/s

95th percentile per-packet one-way delay: 73.361 ms

Loss rate: 0.04%

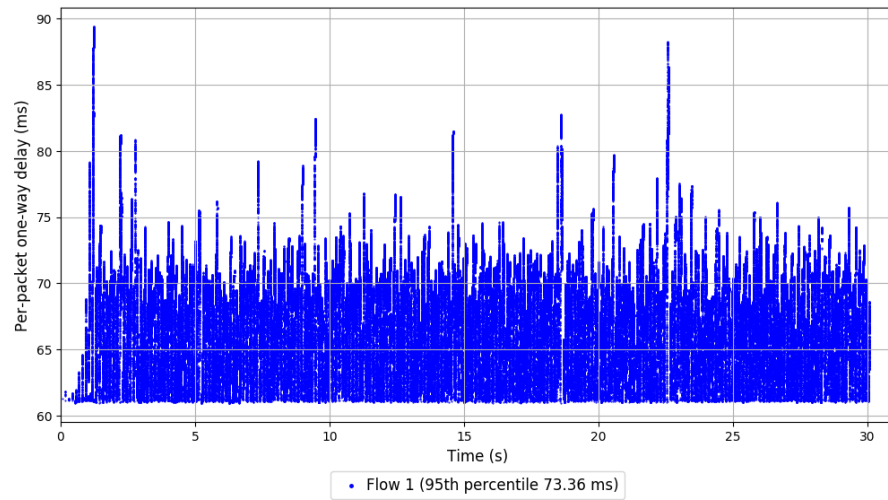
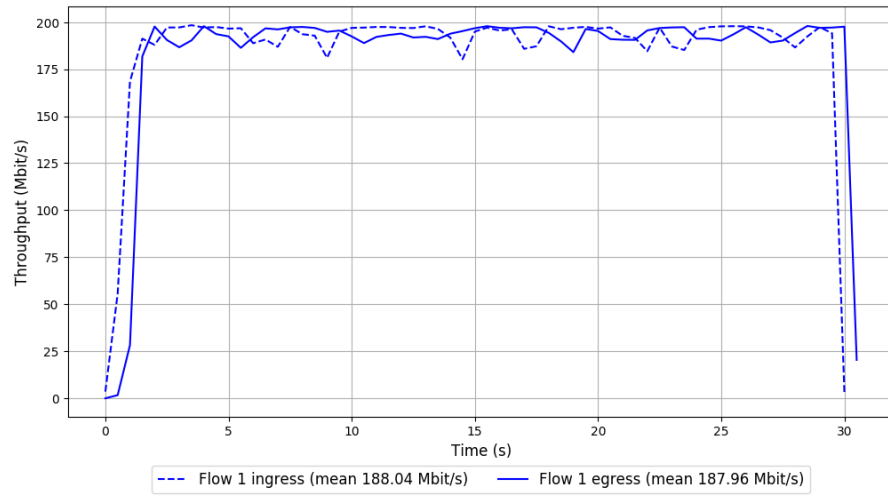
-- Flow 1:

Average throughput: 187.96 Mbit/s

95th percentile per-packet one-way delay: 73.361 ms

Loss rate: 0.04%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-19 02:04:29

End at: 2018-07-19 02:04:59

Local clock offset: 0.046 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-07-19 02:49:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.23 Mbit/s

95th percentile per-packet one-way delay: 72.528 ms

Loss rate: 0.09%

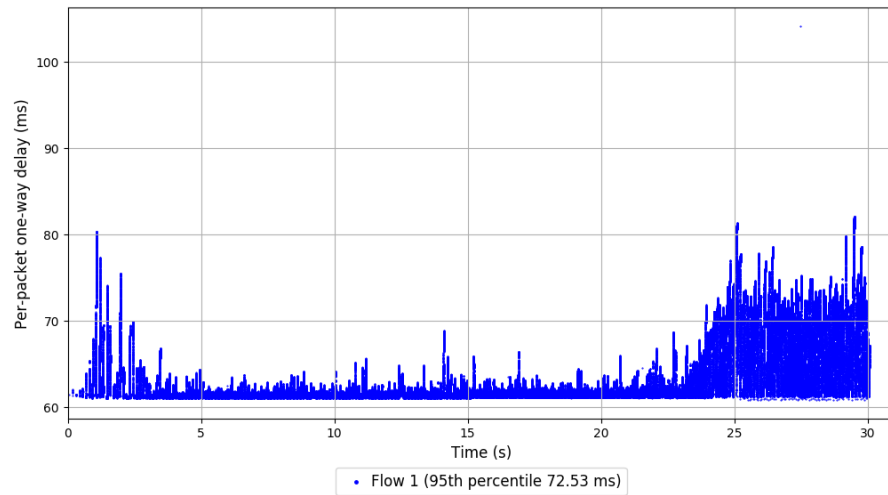
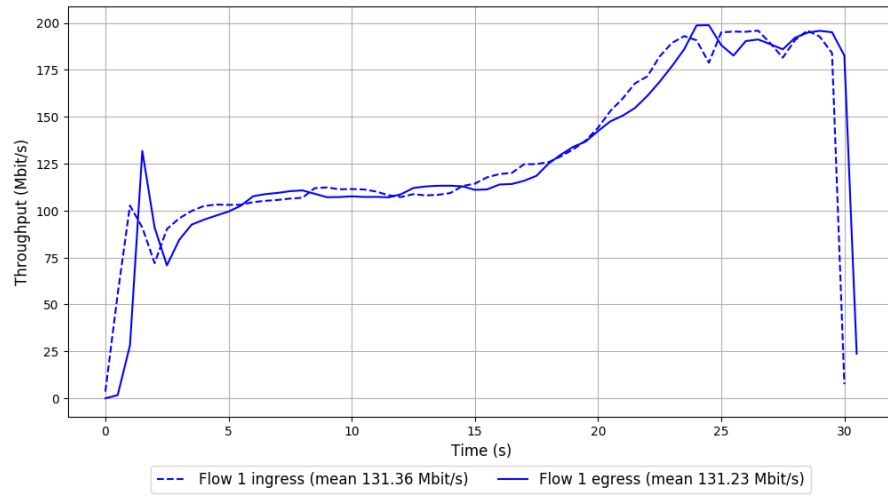
-- Flow 1:

Average throughput: 131.23 Mbit/s

95th percentile per-packet one-way delay: 72.528 ms

Loss rate: 0.09%

Run 10: Report of TCP Cubic — Data Link

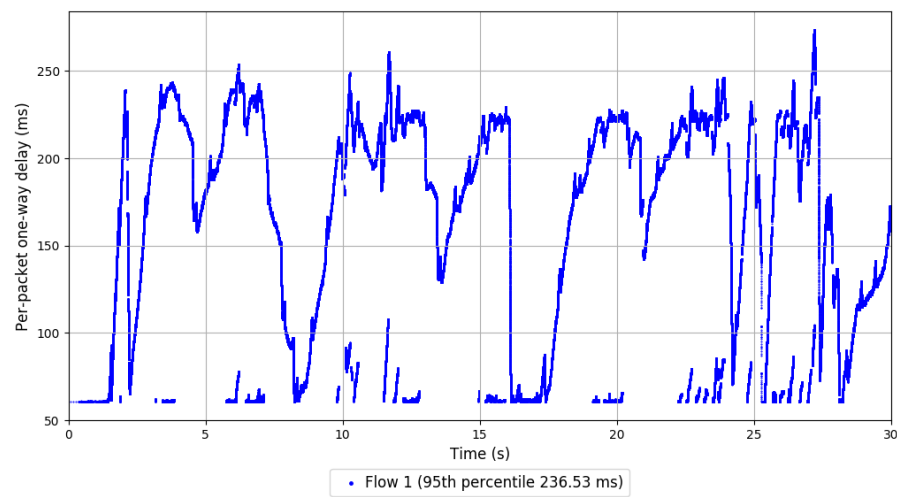
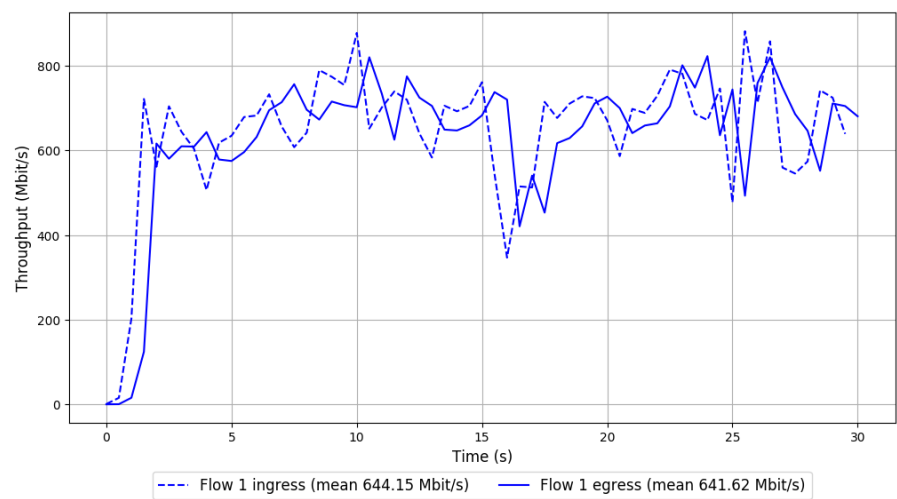


Run 1: Statistics of FillP

Start at: 2018-07-18 22:48:13
End at: 2018-07-18 22:48:43
Local clock offset: -0.023 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2018-07-19 03:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 641.62 Mbit/s
95th percentile per-packet one-way delay: 236.534 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 641.62 Mbit/s
95th percentile per-packet one-way delay: 236.534 ms
Loss rate: 0.39%

Run 1: Report of FillP — Data Link

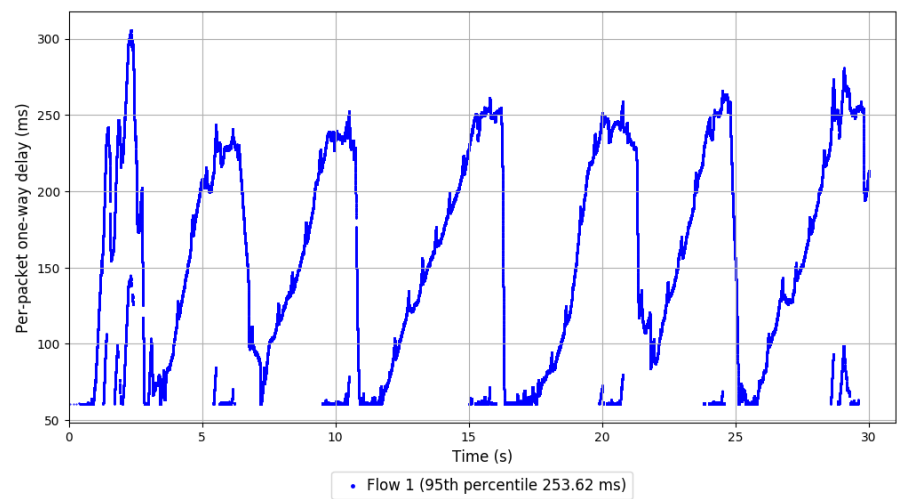
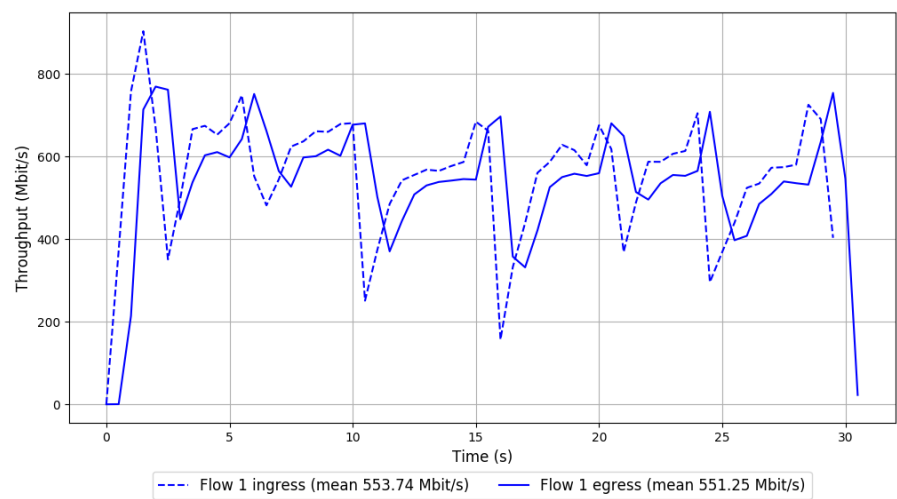


Run 2: Statistics of FillP

Start at: 2018-07-18 23:09:49
End at: 2018-07-18 23:10:19
Local clock offset: -0.032 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2018-07-19 03:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 551.25 Mbit/s
95th percentile per-packet one-way delay: 253.618 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 551.25 Mbit/s
95th percentile per-packet one-way delay: 253.618 ms
Loss rate: 0.45%

Run 2: Report of FillP — Data Link

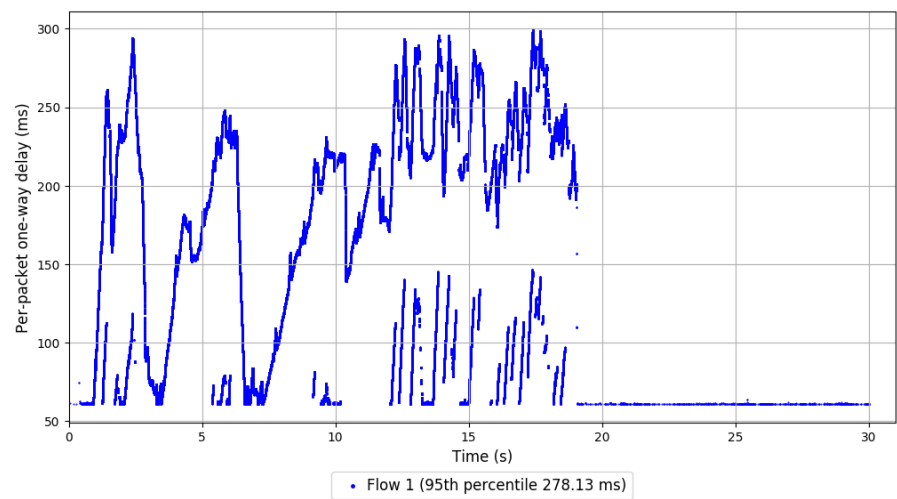
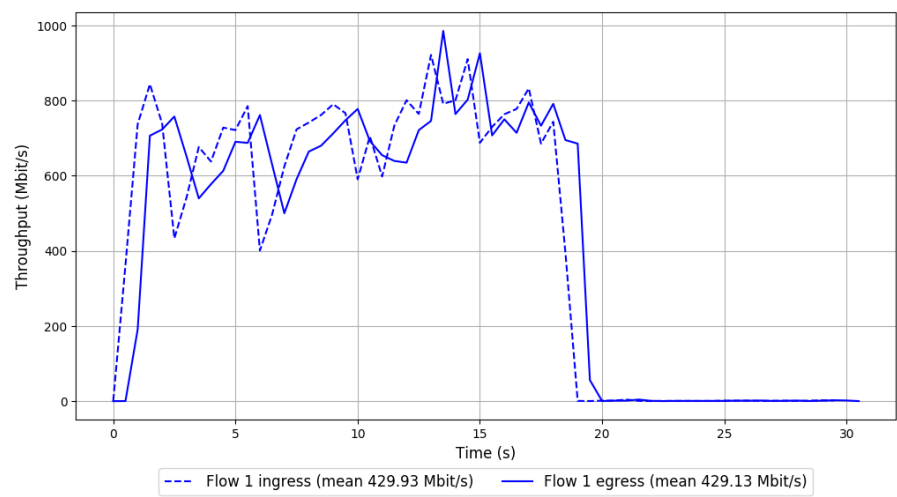


Run 3: Statistics of FillP

Start at: 2018-07-18 23:31:23
End at: 2018-07-18 23:31:53
Local clock offset: 0.017 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-19 03:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 429.13 Mbit/s
95th percentile per-packet one-way delay: 278.127 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 429.13 Mbit/s
95th percentile per-packet one-way delay: 278.127 ms
Loss rate: 0.19%

Run 3: Report of FillP — Data Link

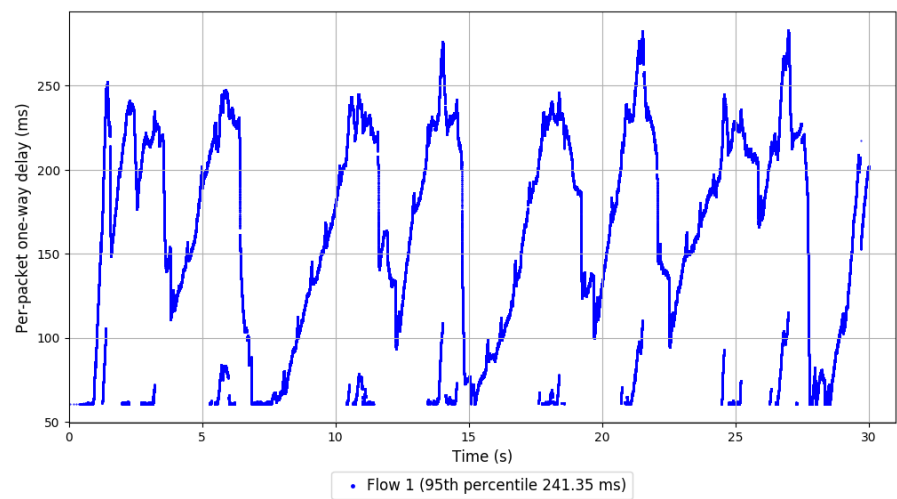
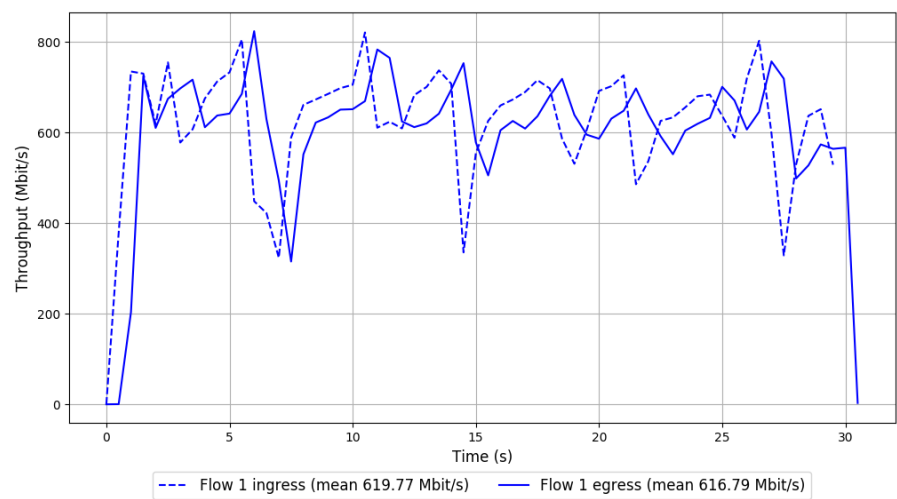


Run 4: Statistics of FillP

Start at: 2018-07-18 23:52:51
End at: 2018-07-18 23:53:21
Local clock offset: -0.044 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-19 03:03:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 616.79 Mbit/s
95th percentile per-packet one-way delay: 241.347 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 616.79 Mbit/s
95th percentile per-packet one-way delay: 241.347 ms
Loss rate: 0.48%

Run 4: Report of FillP — Data Link

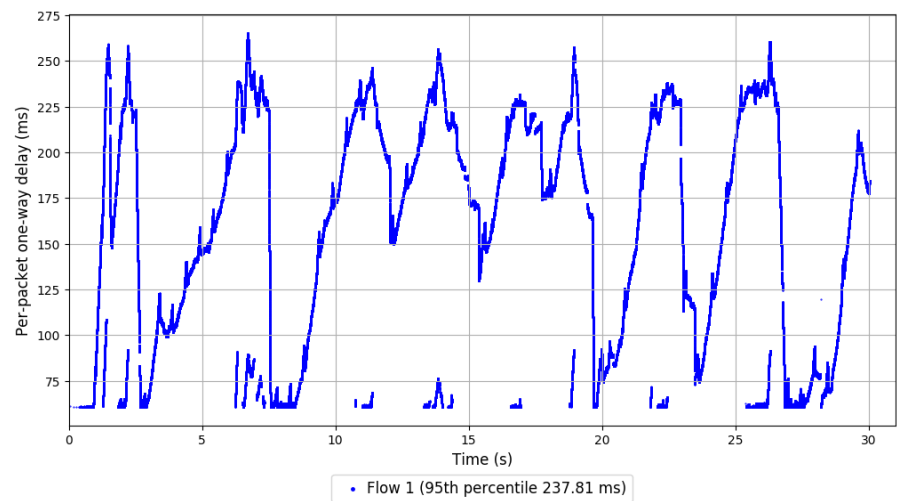
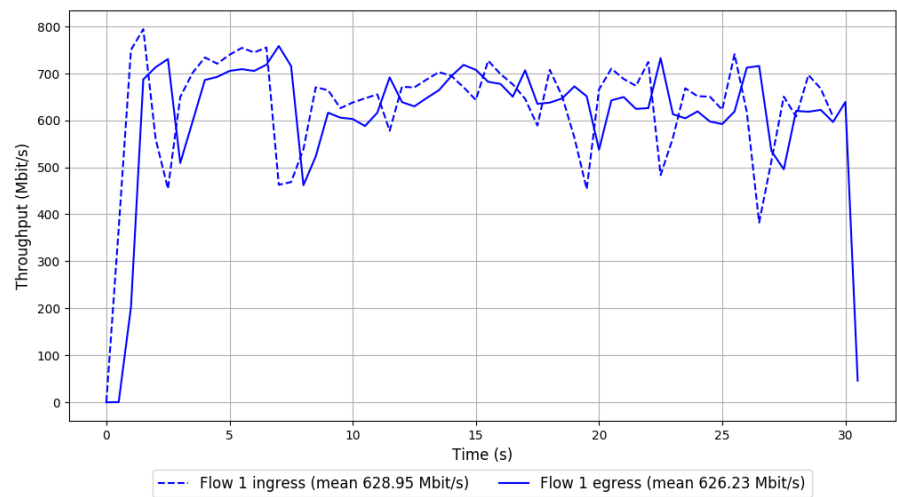


Run 5: Statistics of FillP

Start at: 2018-07-19 00:14:23
End at: 2018-07-19 00:14:53
Local clock offset: -0.11 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-19 03:03:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 626.23 Mbit/s
95th percentile per-packet one-way delay: 237.808 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 626.23 Mbit/s
95th percentile per-packet one-way delay: 237.808 ms
Loss rate: 0.43%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-19 00:36:00

End at: 2018-07-19 00:36:30

Local clock offset: -0.1 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-19 03:03:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.38 Mbit/s

95th percentile per-packet one-way delay: 261.374 ms

Loss rate: 1.48%

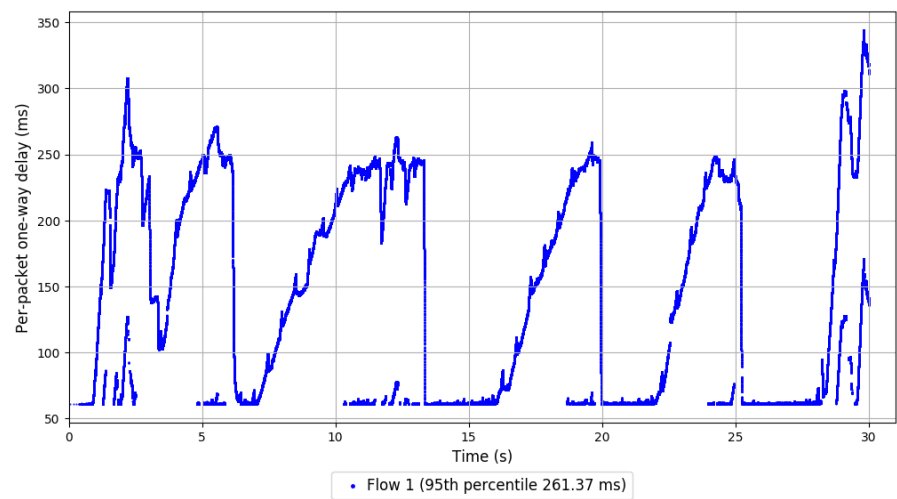
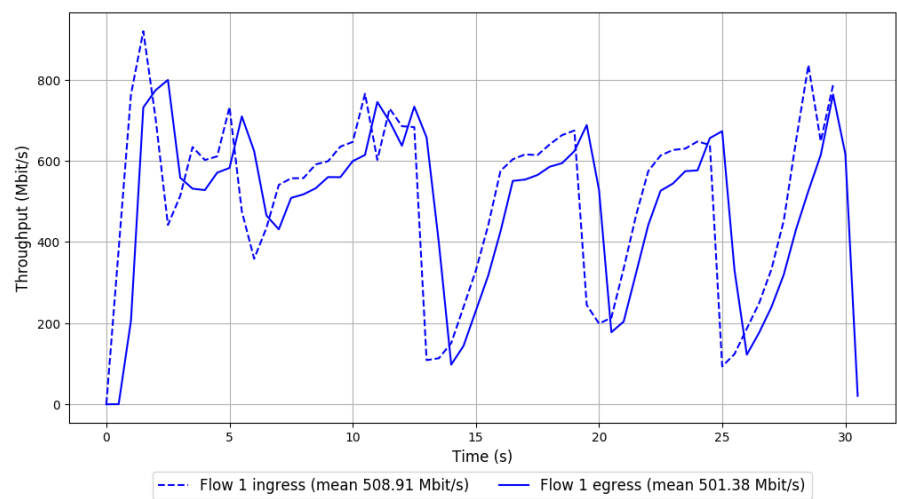
-- Flow 1:

Average throughput: 501.38 Mbit/s

95th percentile per-packet one-way delay: 261.374 ms

Loss rate: 1.48%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-19 00:57:43

End at: 2018-07-19 00:58:13

Local clock offset: -0.018 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-19 03:03:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 583.89 Mbit/s

95th percentile per-packet one-way delay: 231.286 ms

Loss rate: 0.20%

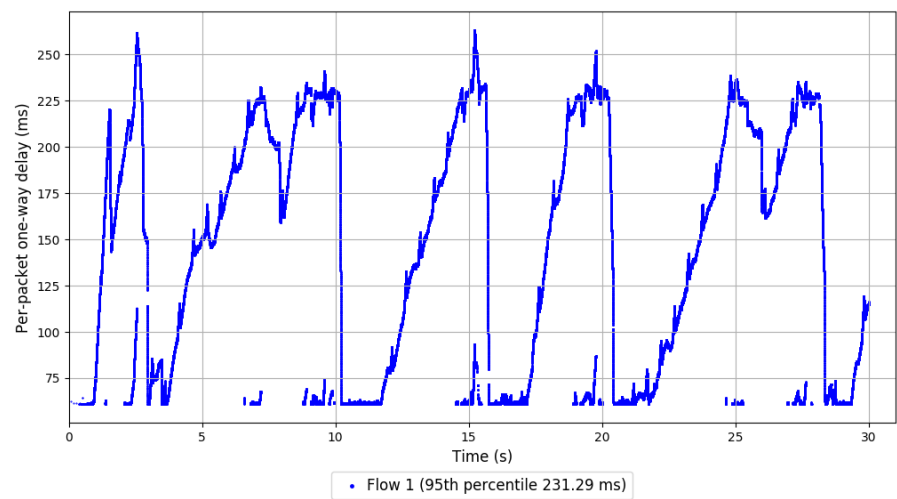
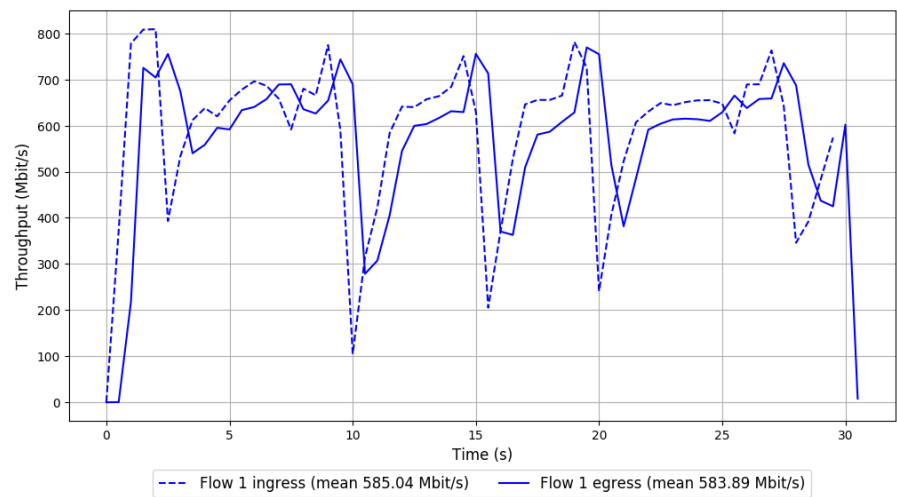
-- Flow 1:

Average throughput: 583.89 Mbit/s

95th percentile per-packet one-way delay: 231.286 ms

Loss rate: 0.20%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-19 01:19:33

End at: 2018-07-19 01:20:03

Local clock offset: -0.013 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-19 03:05:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 652.96 Mbit/s

95th percentile per-packet one-way delay: 269.370 ms

Loss rate: 1.14%

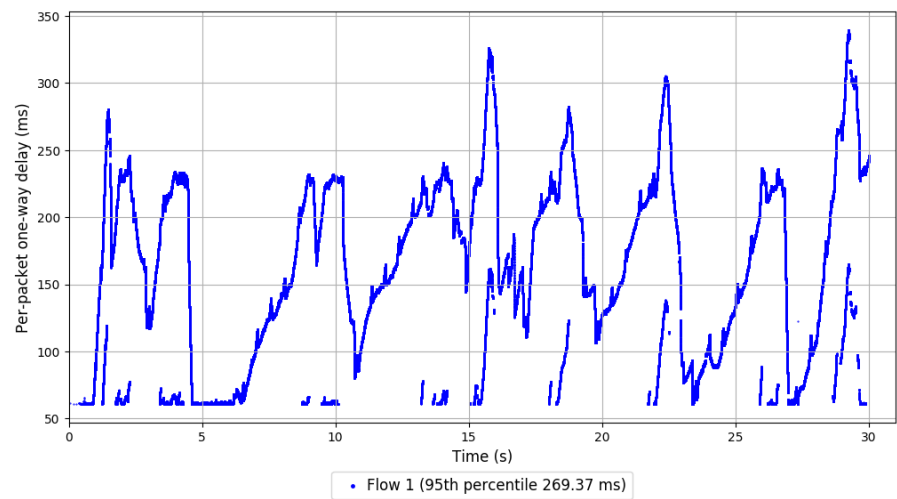
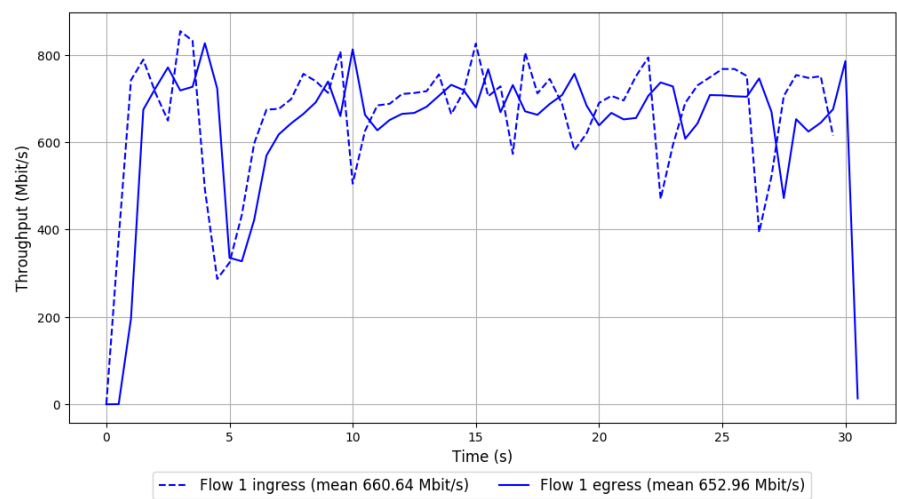
-- Flow 1:

Average throughput: 652.96 Mbit/s

95th percentile per-packet one-way delay: 269.370 ms

Loss rate: 1.14%

Run 8: Report of FillP — Data Link

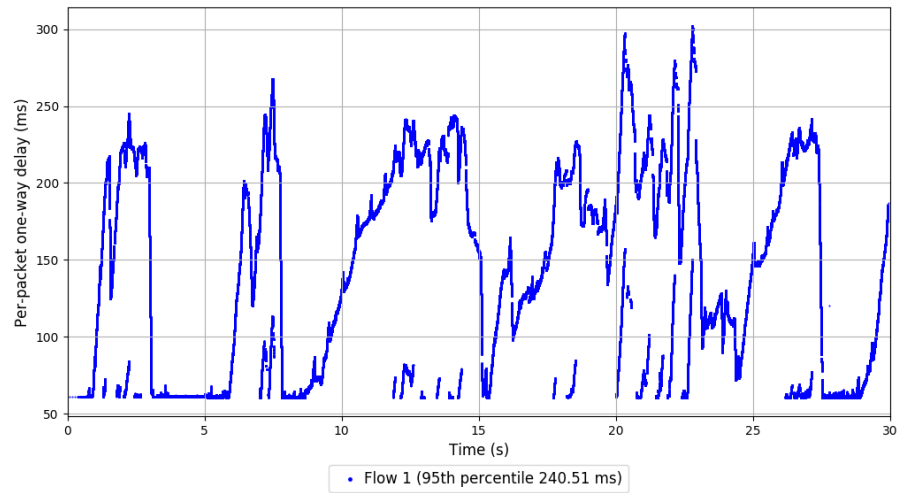
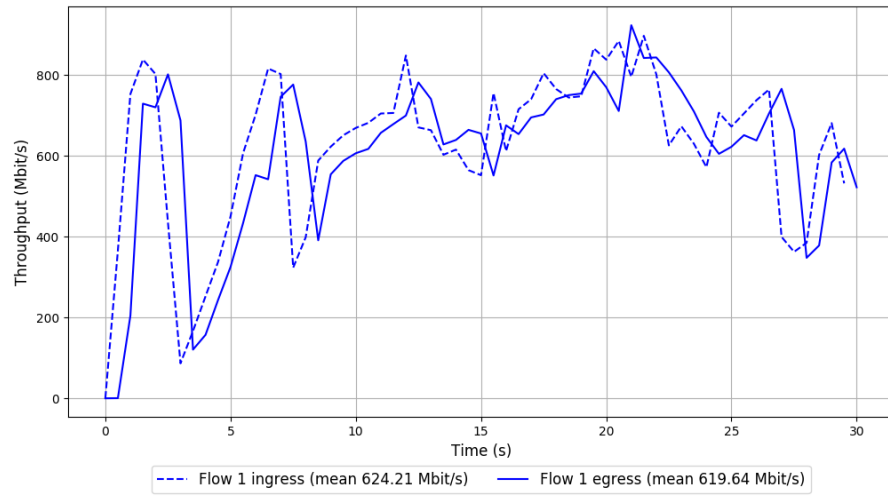


Run 9: Statistics of FillP

Start at: 2018-07-19 01:41:09
End at: 2018-07-19 01:41:39
Local clock offset: 0.013 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-19 03:13:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 619.64 Mbit/s
95th percentile per-packet one-way delay: 240.514 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 619.64 Mbit/s
95th percentile per-packet one-way delay: 240.514 ms
Loss rate: 0.72%

Run 9: Report of FillP — Data Link

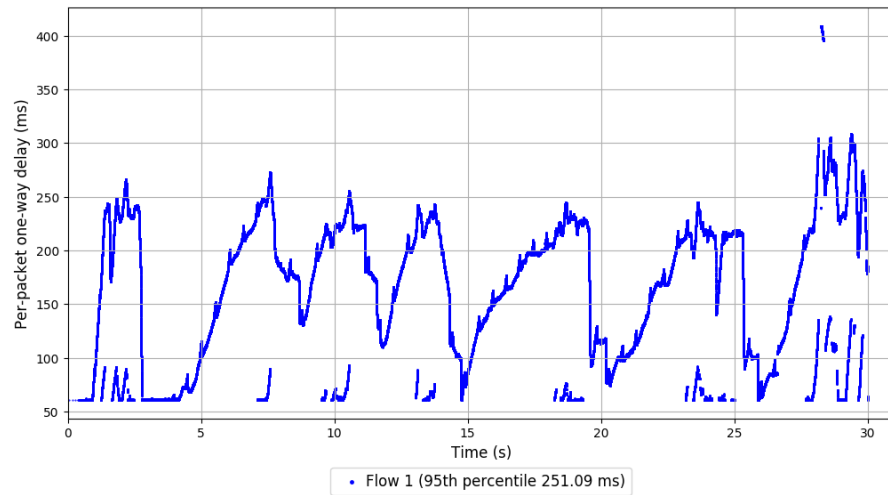
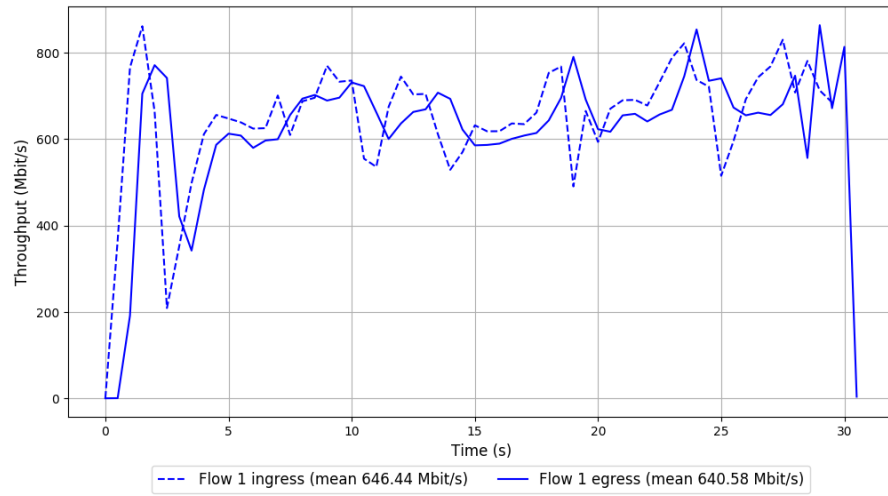


Run 10: Statistics of FillP

Start at: 2018-07-19 02:02:57
End at: 2018-07-19 02:03:27
Local clock offset: 0.02 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-19 03:16:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 640.58 Mbit/s
95th percentile per-packet one-way delay: 251.095 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 640.58 Mbit/s
95th percentile per-packet one-way delay: 251.095 ms
Loss rate: 0.90%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 23:03:12

End at: 2018-07-18 23:03:42

Local clock offset: -0.002 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-19 03:16:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.93 Mbit/s

95th percentile per-packet one-way delay: 212.310 ms

Loss rate: 0.11%

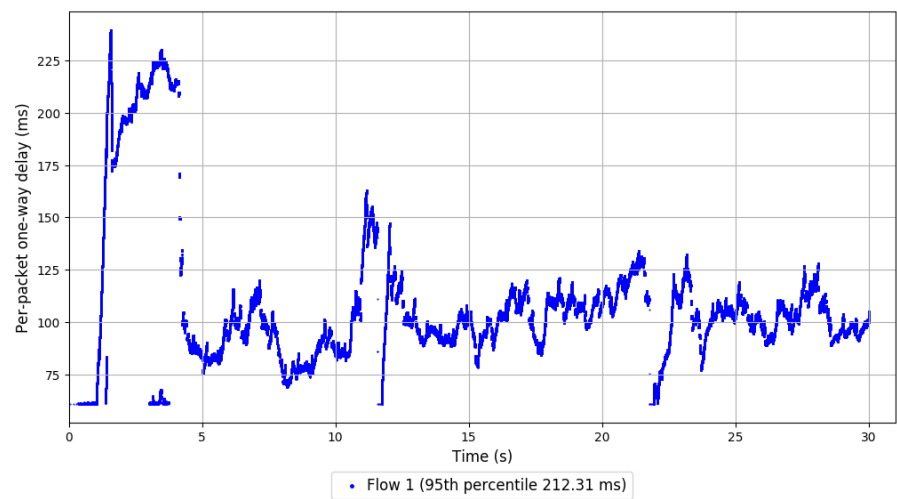
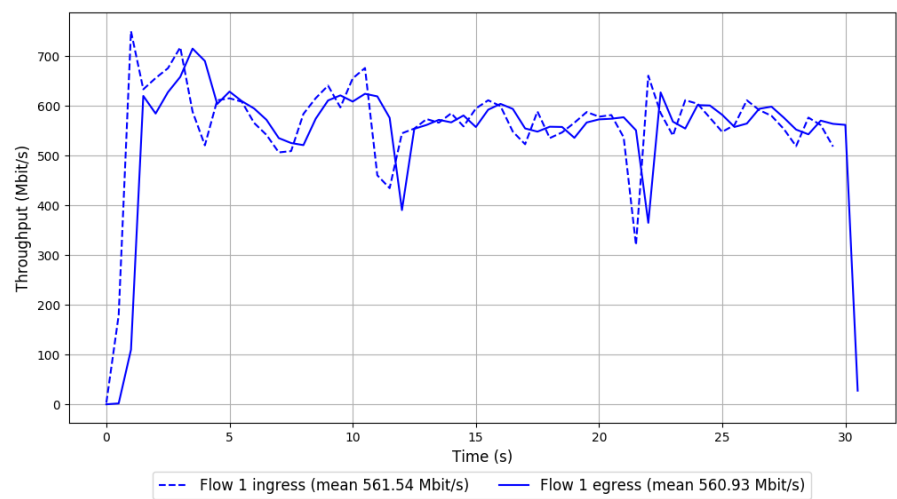
-- Flow 1:

Average throughput: 560.93 Mbit/s

95th percentile per-packet one-way delay: 212.310 ms

Loss rate: 0.11%

Run 1: Report of FillP-Sheep — Data Link

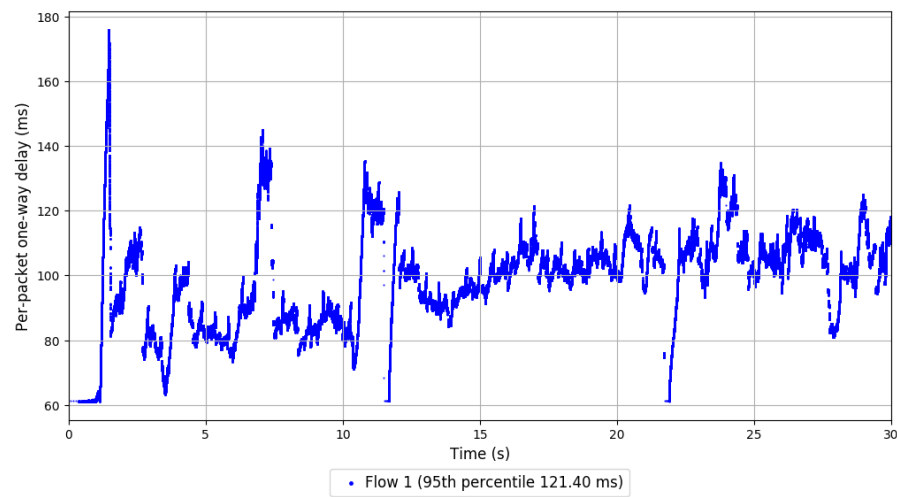
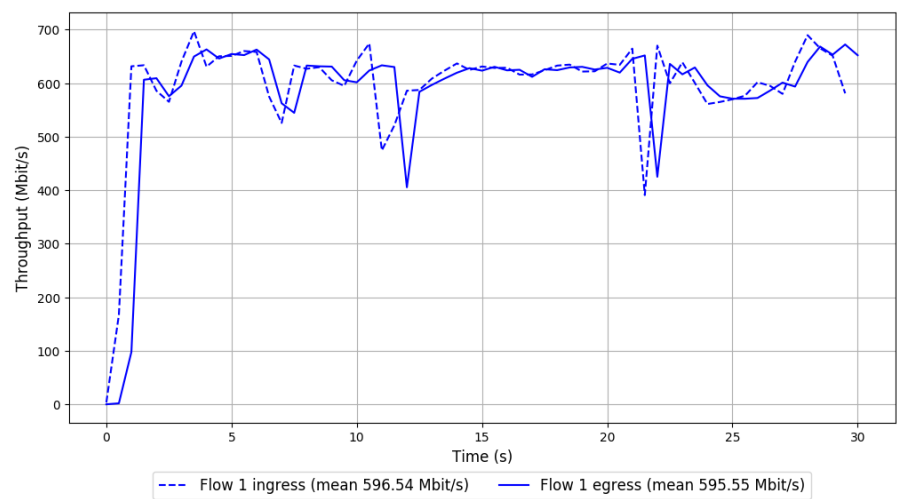


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 23:24:41
End at: 2018-07-18 23:25:11
Local clock offset: -0.173 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-19 03:17:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 595.55 Mbit/s
95th percentile per-packet one-way delay: 121.399 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 595.55 Mbit/s
95th percentile per-packet one-way delay: 121.399 ms
Loss rate: 0.16%

Run 2: Report of FillP-Sheep — Data Link

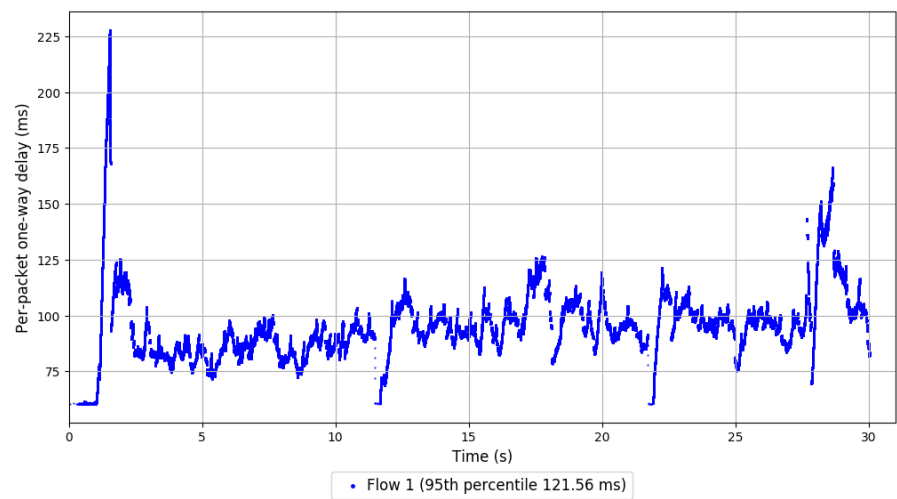
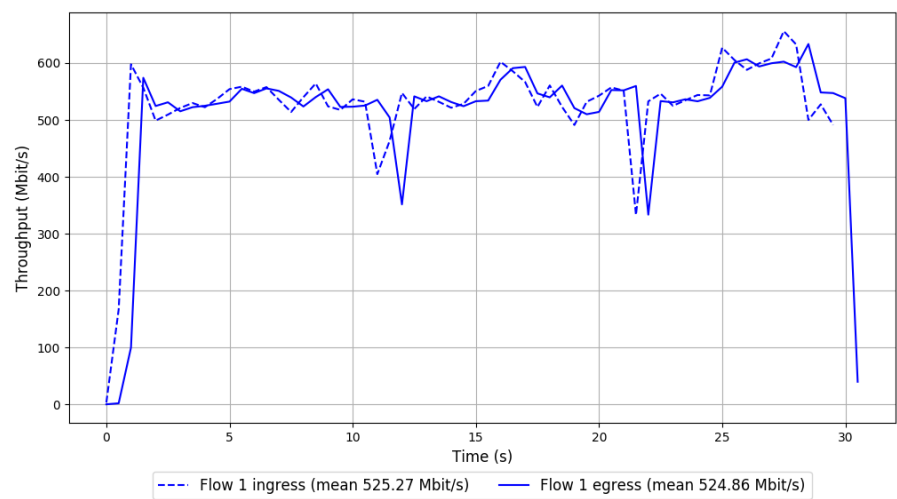


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 23:46:16
End at: 2018-07-18 23:46:46
Local clock offset: -0.044 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-07-19 03:17:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 524.86 Mbit/s
95th percentile per-packet one-way delay: 121.563 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 524.86 Mbit/s
95th percentile per-packet one-way delay: 121.563 ms
Loss rate: 0.08%

Run 3: Report of FillP-Sheep — Data Link

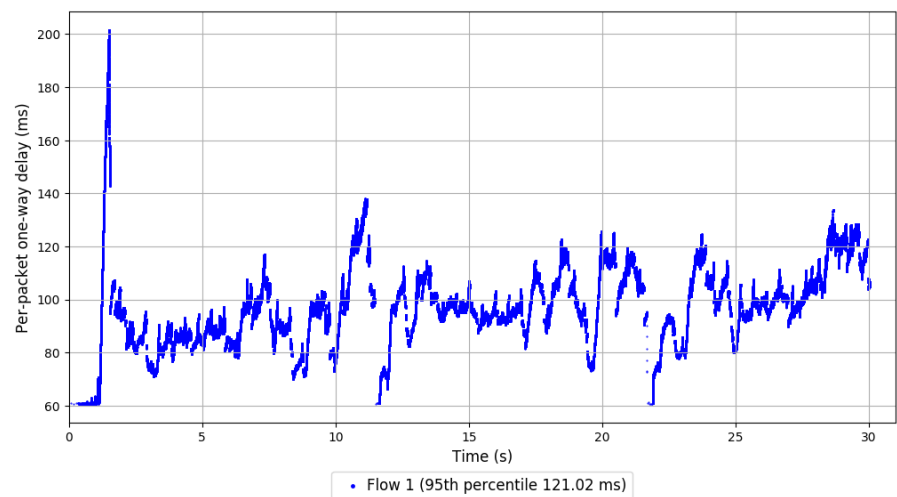
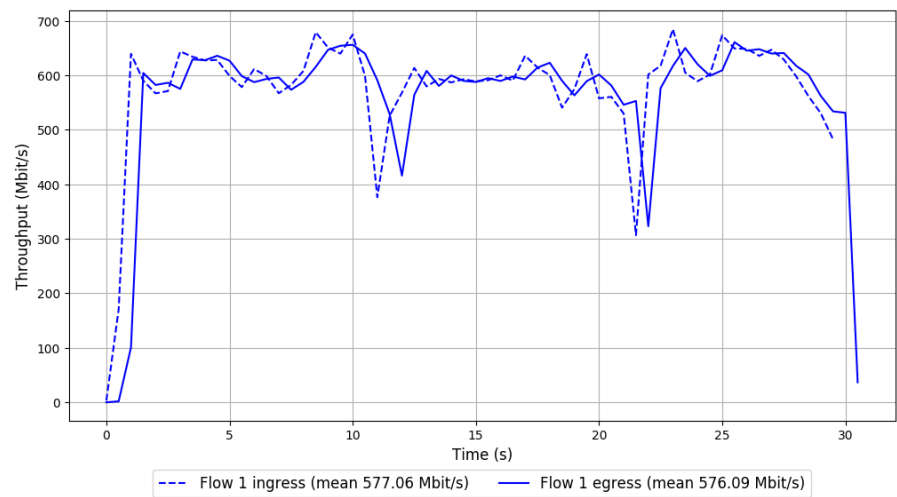


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-19 00:07:52
End at: 2018-07-19 00:08:23
Local clock offset: -0.028 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-19 03:18:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 576.09 Mbit/s
95th percentile per-packet one-way delay: 121.020 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 576.09 Mbit/s
95th percentile per-packet one-way delay: 121.020 ms
Loss rate: 0.14%

Run 4: Report of FillP-Sheep — Data Link

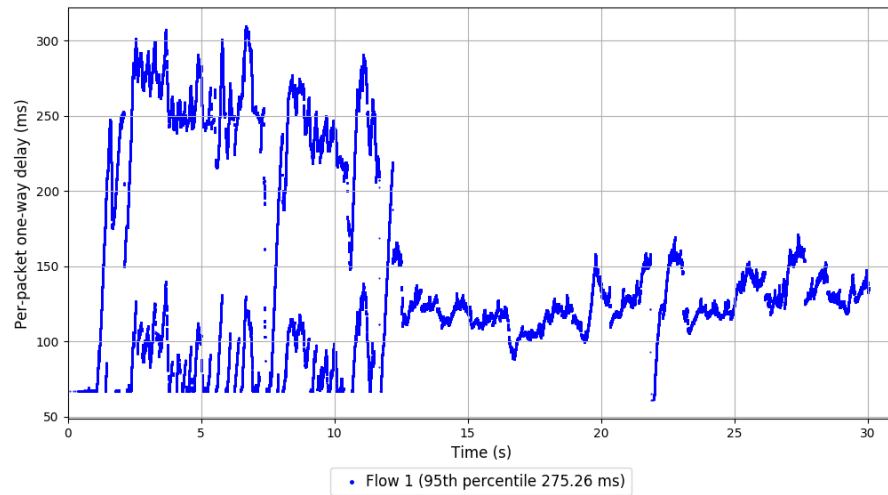
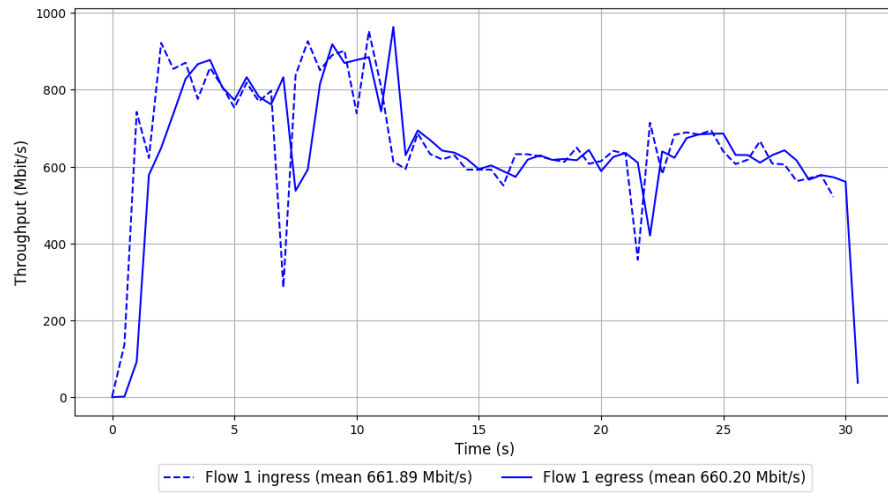


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-19 00:29:18
End at: 2018-07-19 00:29:48
Local clock offset: -0.085 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-19 03:20:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 660.20 Mbit/s
95th percentile per-packet one-way delay: 275.264 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 660.20 Mbit/s
95th percentile per-packet one-way delay: 275.264 ms
Loss rate: 0.27%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-19 00:51:00

End at: 2018-07-19 00:51:30

Local clock offset: -0.034 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2018-07-19 03:20:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.03 Mbit/s

95th percentile per-packet one-way delay: 119.699 ms

Loss rate: 0.09%

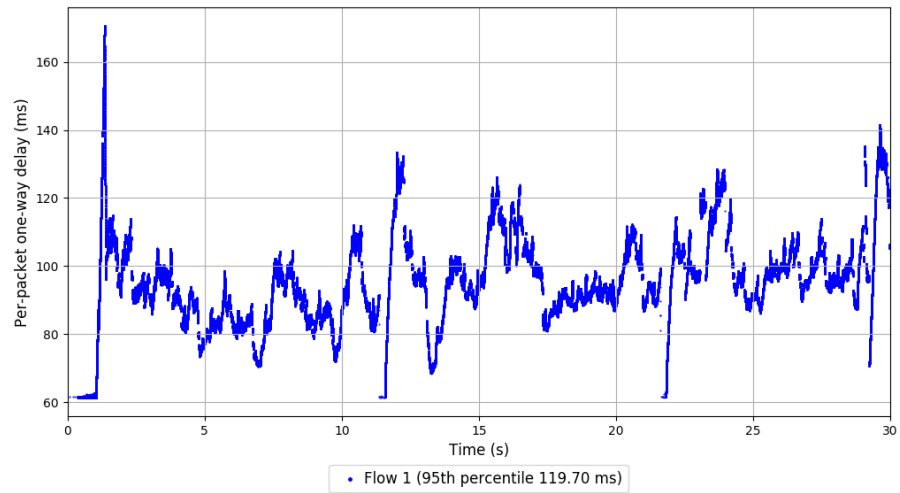
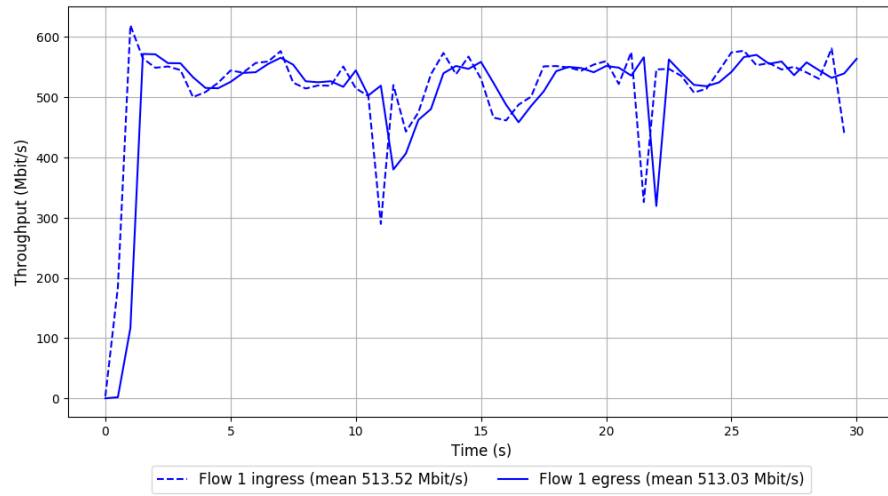
-- Flow 1:

Average throughput: 513.03 Mbit/s

95th percentile per-packet one-way delay: 119.699 ms

Loss rate: 0.09%

Run 6: Report of FillP-Sheep — Data Link

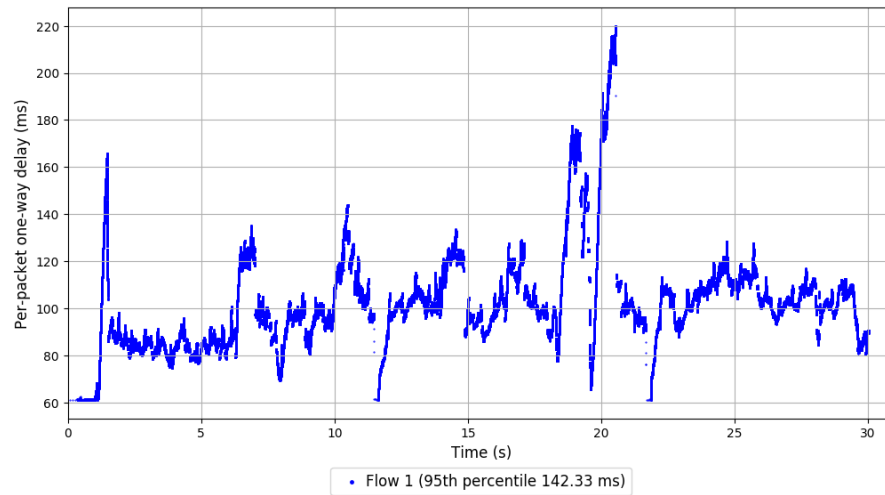
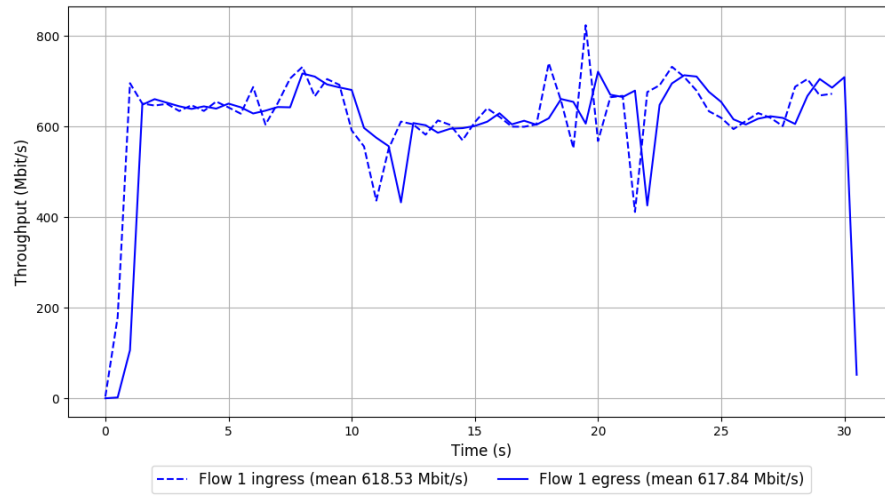


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-19 01:12:55
End at: 2018-07-19 01:13:25
Local clock offset: -0.039 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-19 03:29:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 617.84 Mbit/s
95th percentile per-packet one-way delay: 142.331 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 617.84 Mbit/s
95th percentile per-packet one-way delay: 142.331 ms
Loss rate: 0.11%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-19 01:34:33

End at: 2018-07-19 01:35:03

Local clock offset: -0.03 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-19 03:29:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 497.14 Mbit/s

95th percentile per-packet one-way delay: 229.395 ms

Loss rate: 0.14%

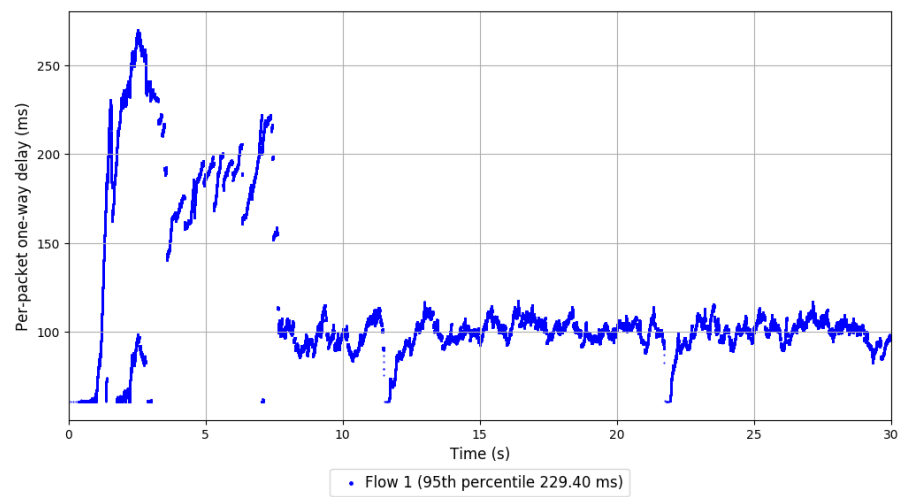
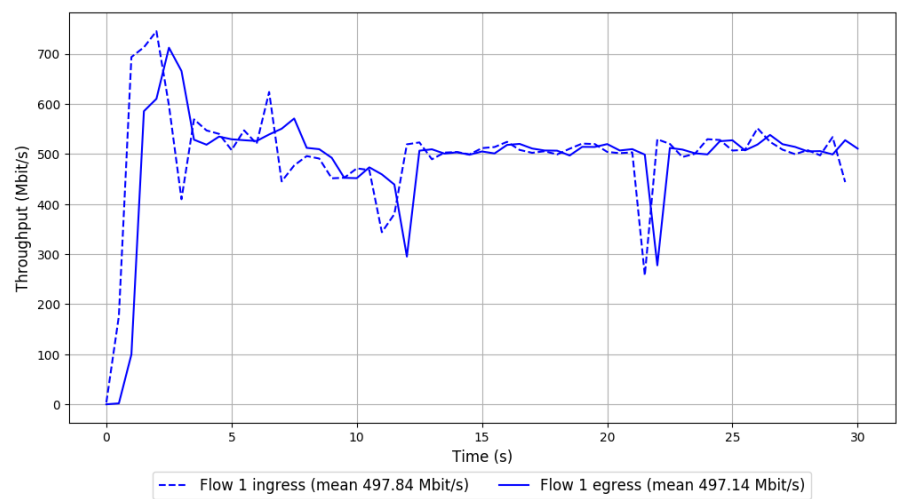
-- Flow 1:

Average throughput: 497.14 Mbit/s

95th percentile per-packet one-way delay: 229.395 ms

Loss rate: 0.14%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-19 01:56:11

End at: 2018-07-19 01:56:41

Local clock offset: 0.011 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 603.75 Mbit/s

95th percentile per-packet one-way delay: 122.289 ms

Loss rate: 0.18%

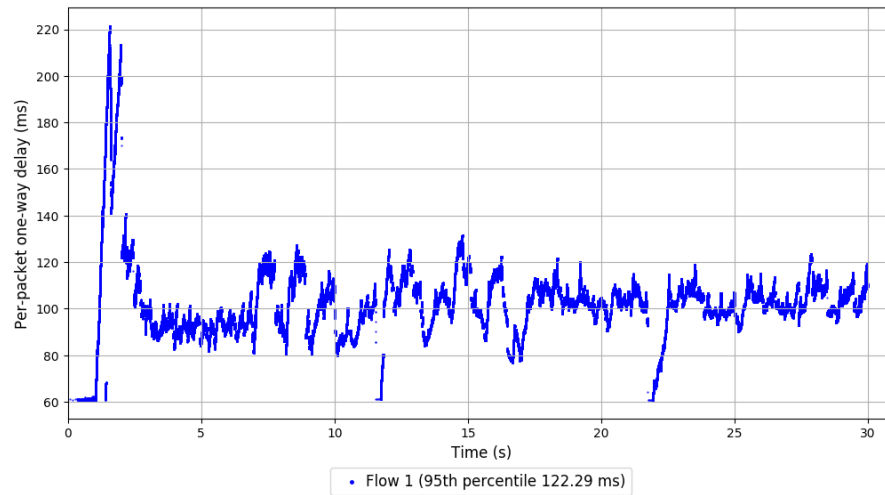
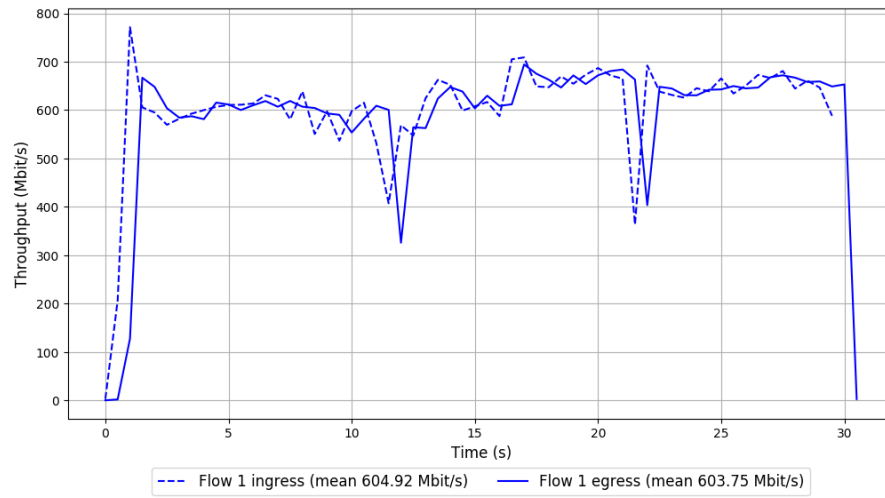
-- Flow 1:

Average throughput: 603.75 Mbit/s

95th percentile per-packet one-way delay: 122.289 ms

Loss rate: 0.18%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-19 02:18:05

End at: 2018-07-19 02:18:35

Local clock offset: -0.036 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 577.17 Mbit/s

95th percentile per-packet one-way delay: 110.907 ms

Loss rate: 0.00%

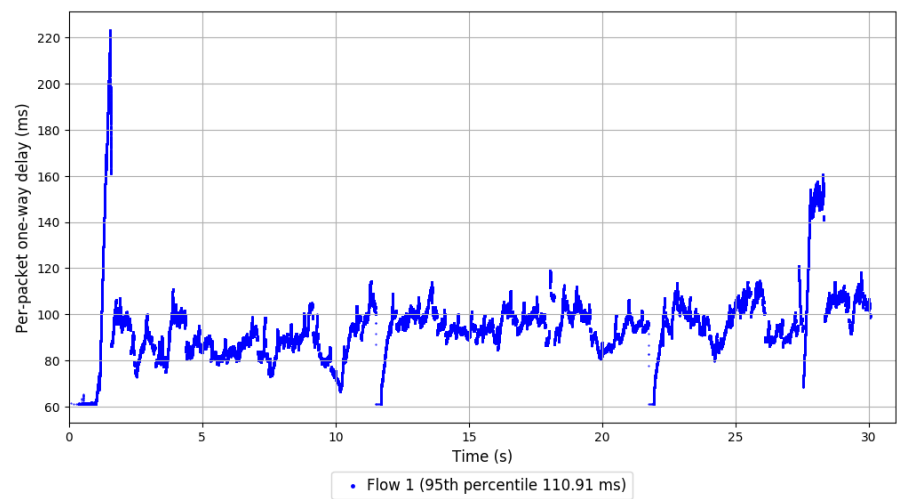
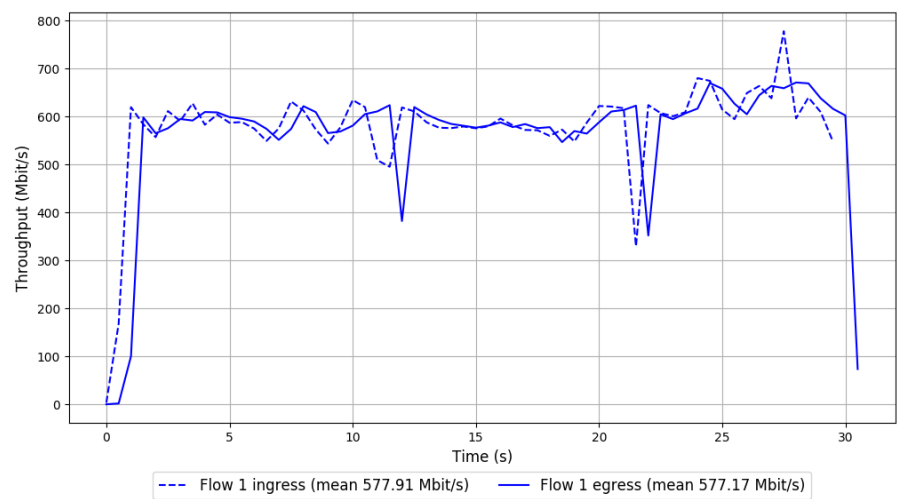
-- Flow 1:

Average throughput: 577.17 Mbit/s

95th percentile per-packet one-way delay: 110.907 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-18 23:04:40

End at: 2018-07-18 23:05:10

Local clock offset: 0.006 ms

Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.12 Mbit/s

95th percentile per-packet one-way delay: 68.350 ms

Loss rate: 0.00%

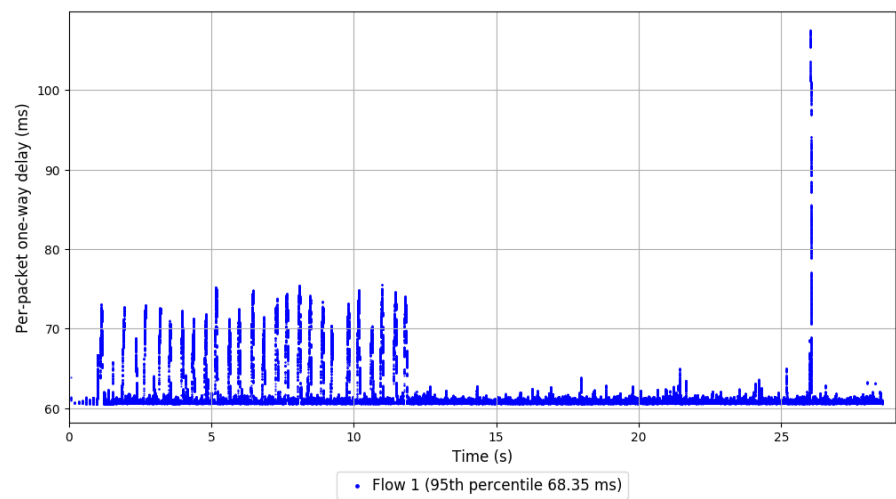
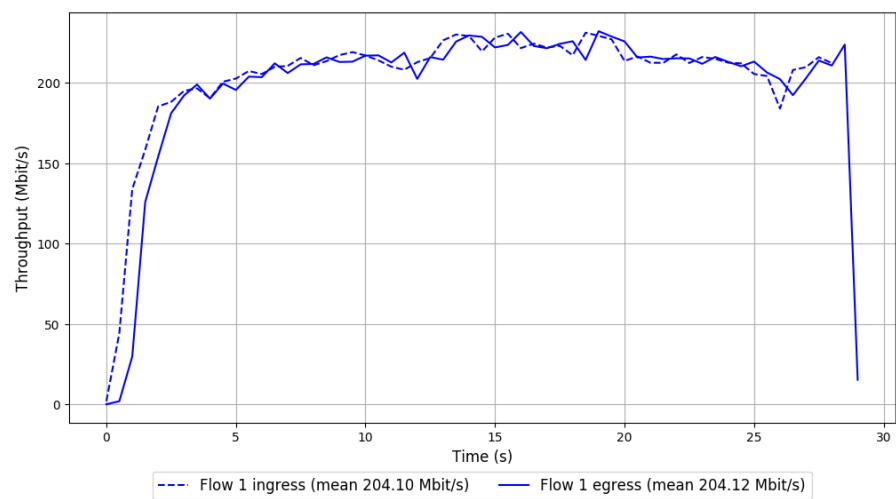
-- Flow 1:

Average throughput: 204.12 Mbit/s

95th percentile per-packet one-way delay: 68.350 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

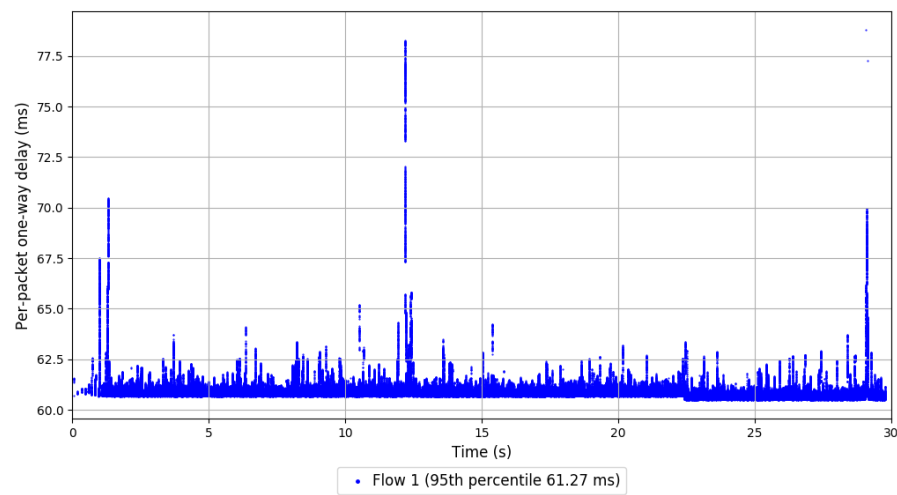
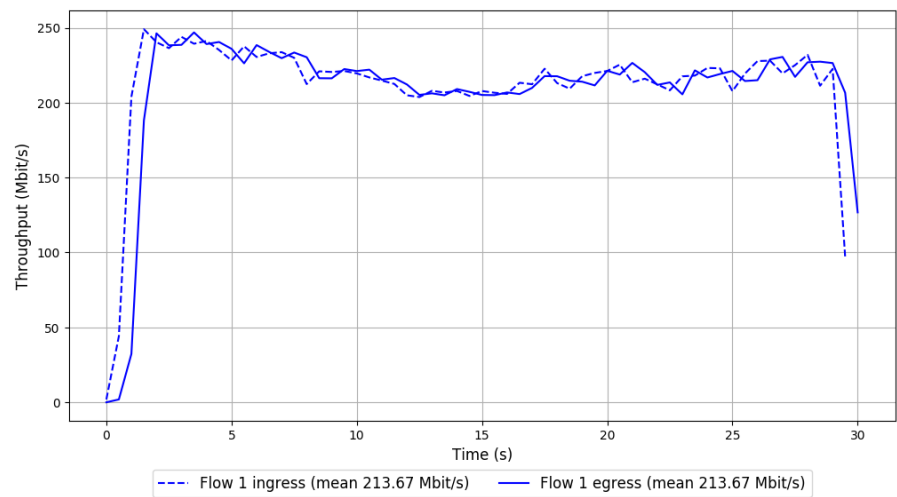


Run 2: Statistics of Indigo

Start at: 2018-07-18 23:26:11
End at: 2018-07-18 23:26:41
Local clock offset: 0.003 ms
Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-07-19 03:31:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.67 Mbit/s
95th percentile per-packet one-way delay: 61.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.67 Mbit/s
95th percentile per-packet one-way delay: 61.265 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-18 23:47:42

End at: 2018-07-18 23:48:12

Local clock offset: -0.024 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.53 Mbit/s

95th percentile per-packet one-way delay: 61.931 ms

Loss rate: 0.00%

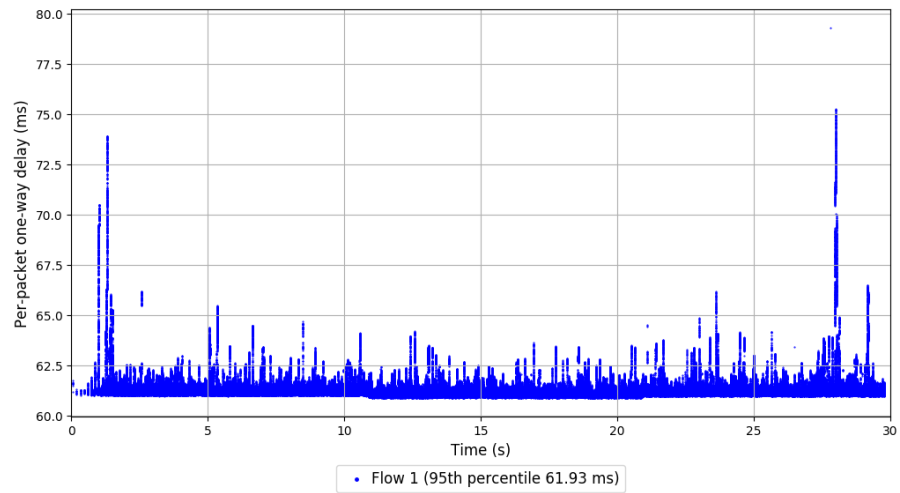
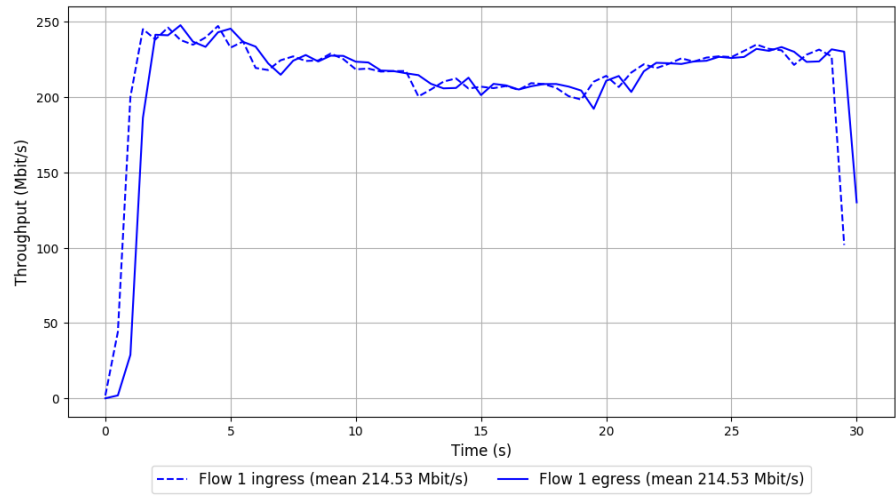
-- Flow 1:

Average throughput: 214.53 Mbit/s

95th percentile per-packet one-way delay: 61.931 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

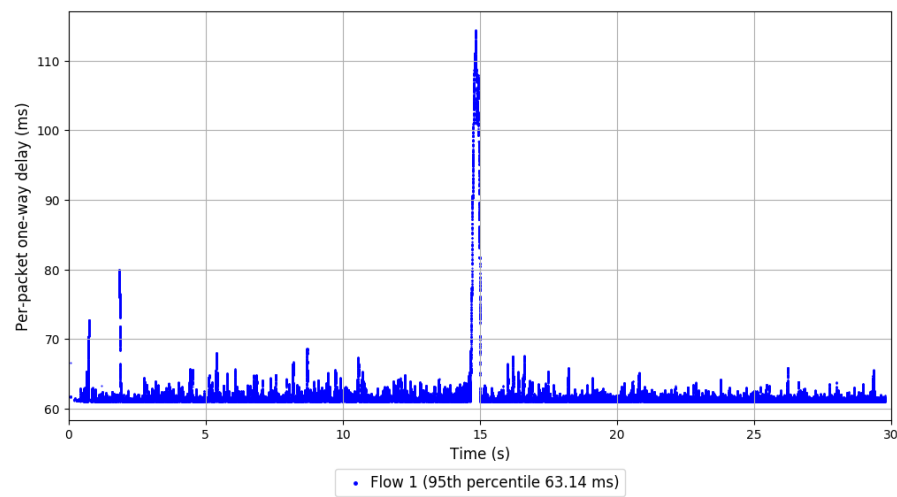
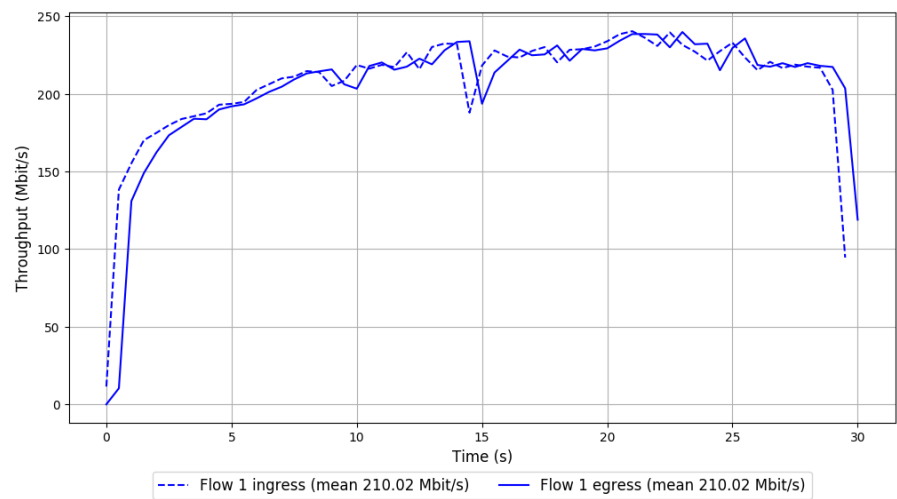


Run 4: Statistics of Indigo

Start at: 2018-07-19 00:09:21
End at: 2018-07-19 00:09:51
Local clock offset: -0.056 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-19 03:31:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.02 Mbit/s
95th percentile per-packet one-way delay: 63.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.02 Mbit/s
95th percentile per-packet one-way delay: 63.142 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-19 00:30:52

End at: 2018-07-19 00:31:22

Local clock offset: -0.091 ms

Remote clock offset: 1.26 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.71 Mbit/s

95th percentile per-packet one-way delay: 65.101 ms

Loss rate: 0.00%

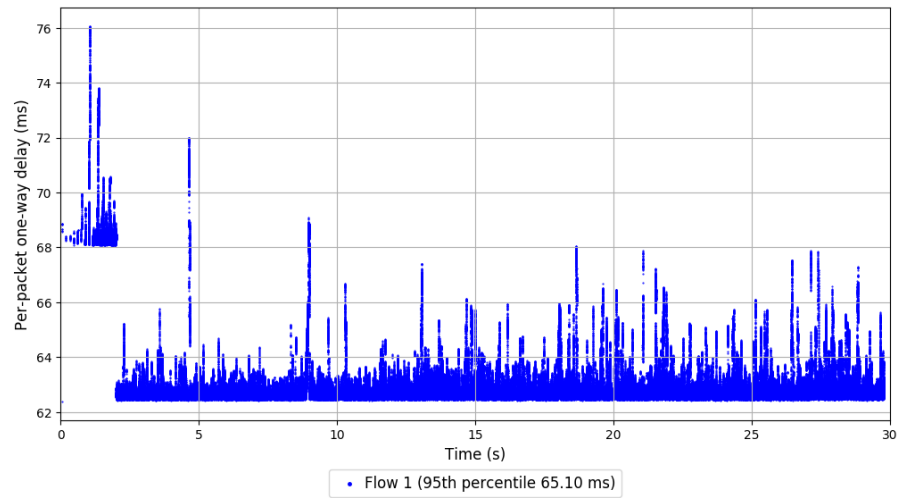
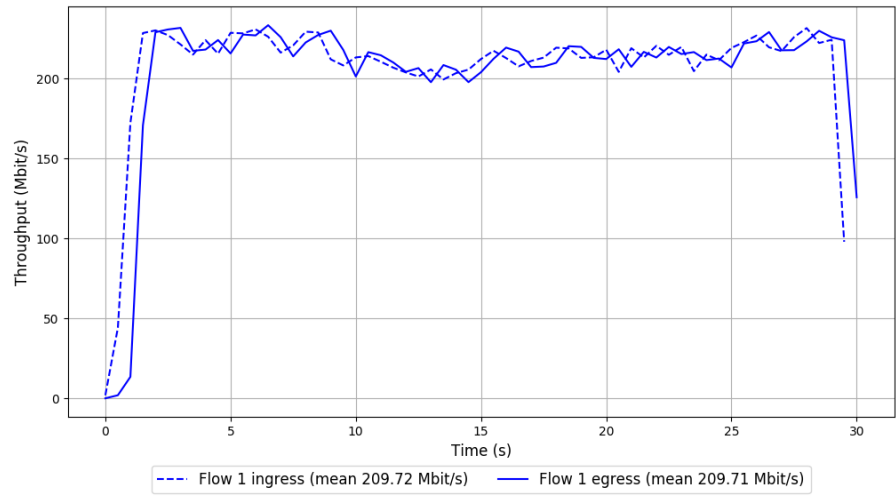
-- Flow 1:

Average throughput: 209.71 Mbit/s

95th percentile per-packet one-way delay: 65.101 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-19 00:52:27

End at: 2018-07-19 00:52:57

Local clock offset: -0.022 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.36 Mbit/s

95th percentile per-packet one-way delay: 61.380 ms

Loss rate: 0.00%

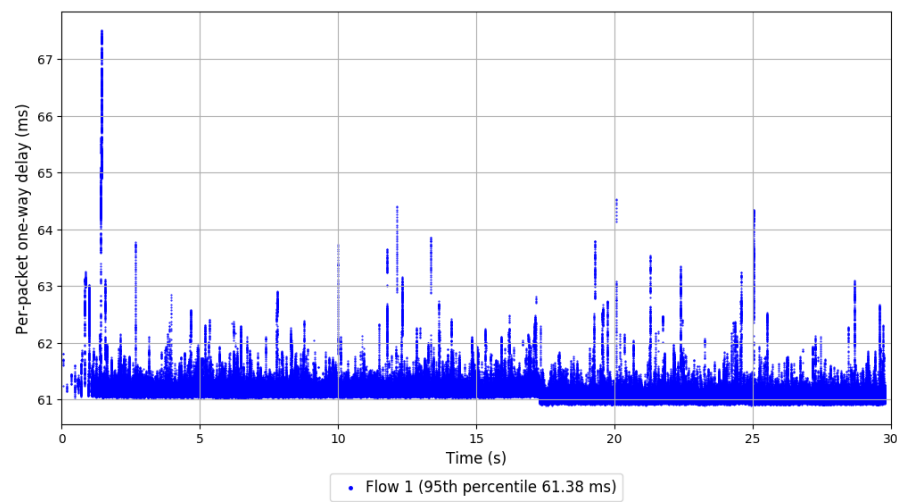
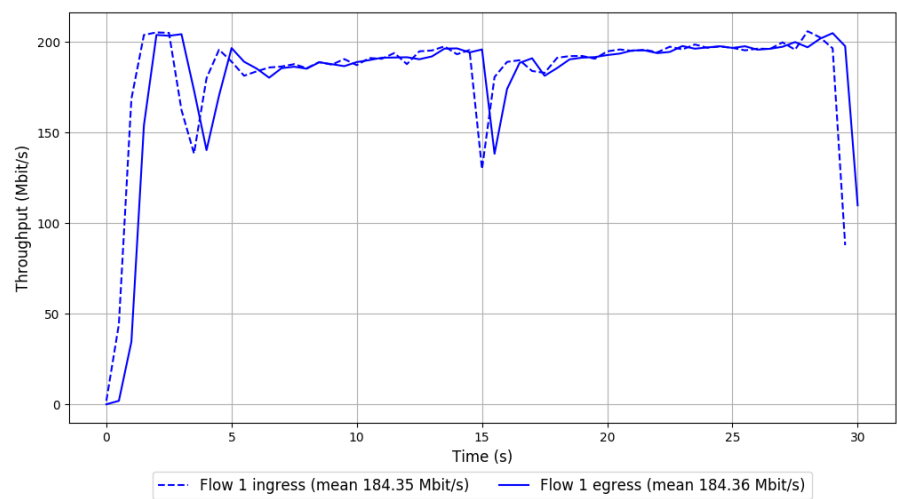
-- Flow 1:

Average throughput: 184.36 Mbit/s

95th percentile per-packet one-way delay: 61.380 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-19 01:14:25

End at: 2018-07-19 01:14:55

Local clock offset: -0.03 ms

Remote clock offset: -1.36 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.32 Mbit/s

95th percentile per-packet one-way delay: 61.161 ms

Loss rate: 0.00%

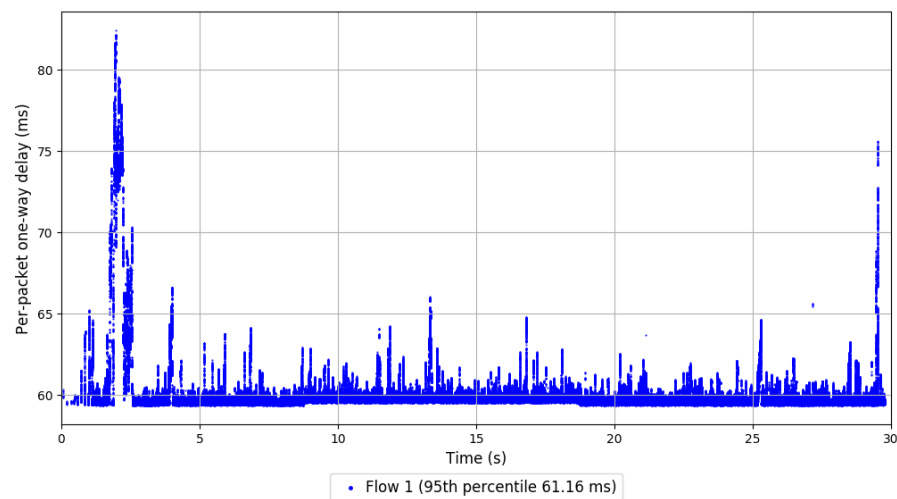
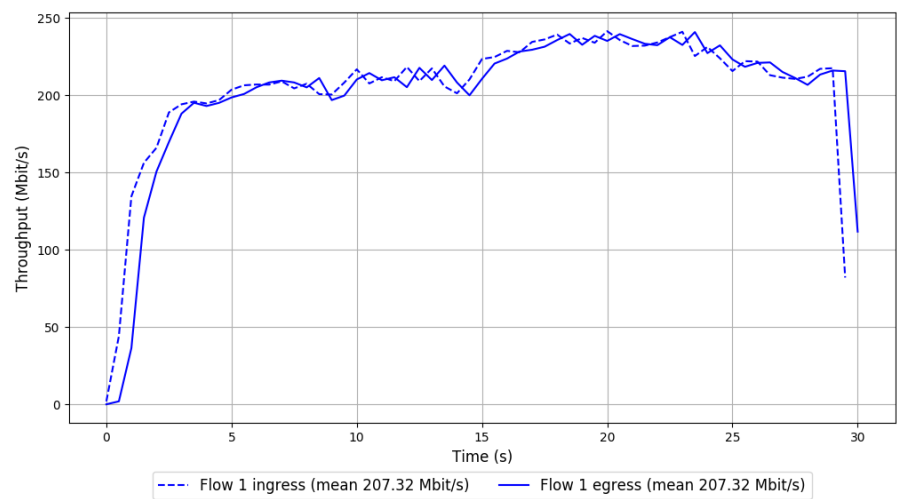
-- Flow 1:

Average throughput: 207.32 Mbit/s

95th percentile per-packet one-way delay: 61.161 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

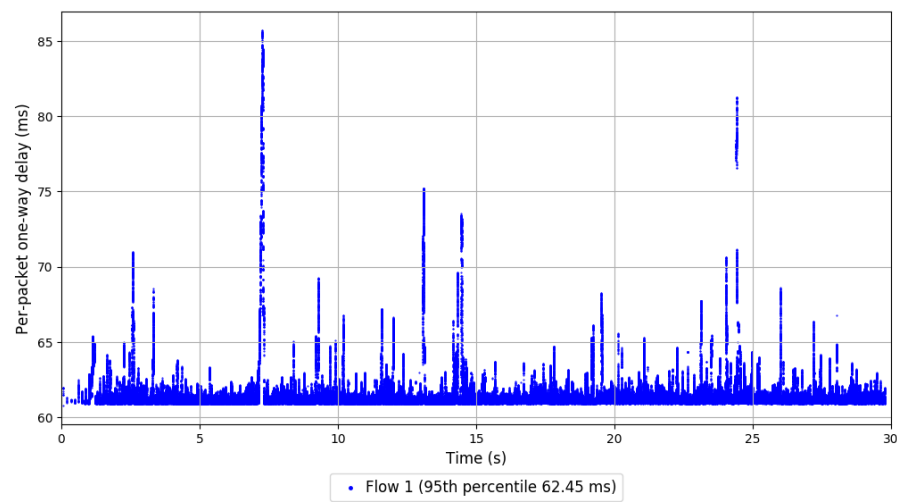
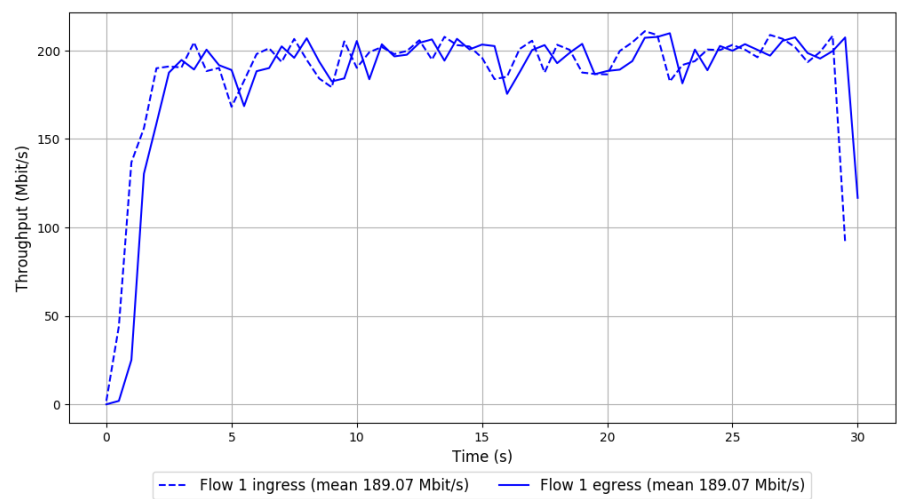


Run 8: Statistics of Indigo

Start at: 2018-07-19 01:35:59
End at: 2018-07-19 01:36:29
Local clock offset: -0.024 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-19 03:31:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.07 Mbit/s
95th percentile per-packet one-way delay: 62.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.07 Mbit/s
95th percentile per-packet one-way delay: 62.445 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-19 01:57:41

End at: 2018-07-19 01:58:11

Local clock offset: -0.003 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.52 Mbit/s

95th percentile per-packet one-way delay: 62.495 ms

Loss rate: 0.00%

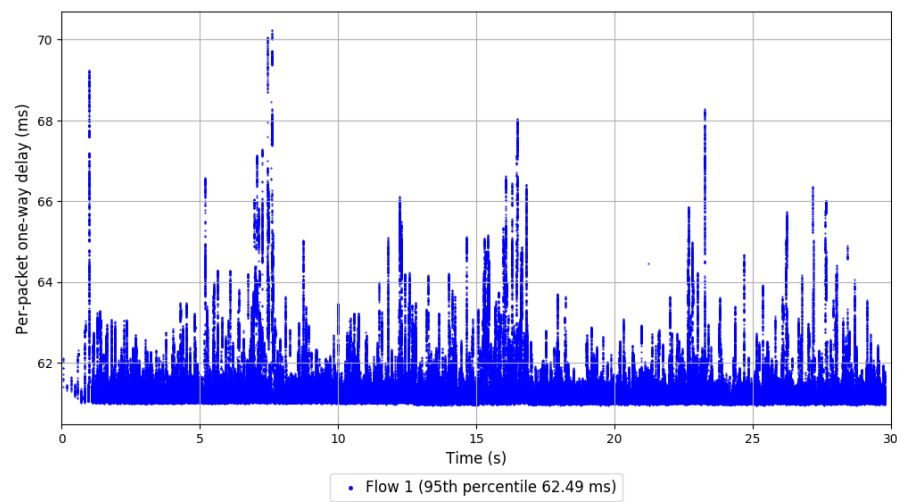
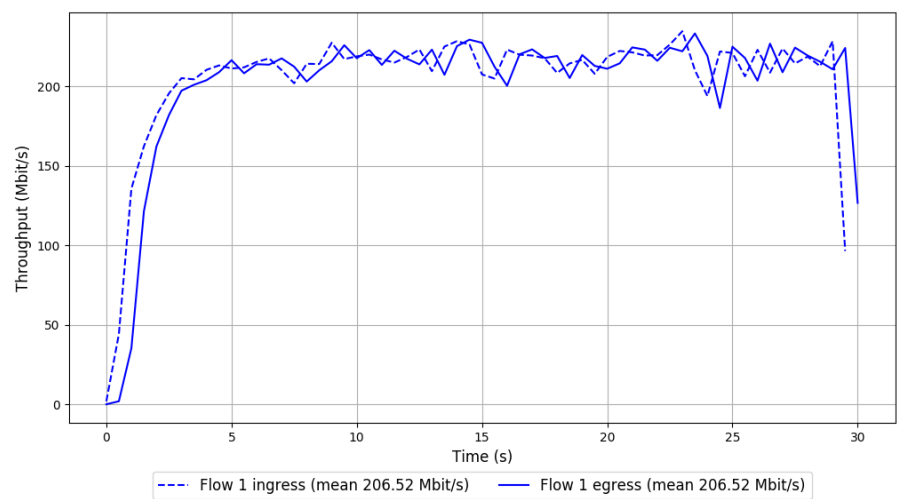
-- Flow 1:

Average throughput: 206.52 Mbit/s

95th percentile per-packet one-way delay: 62.495 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-19 02:19:34

End at: 2018-07-19 02:20:04

Local clock offset: -0.023 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.18 Mbit/s

95th percentile per-packet one-way delay: 62.913 ms

Loss rate: 0.00%

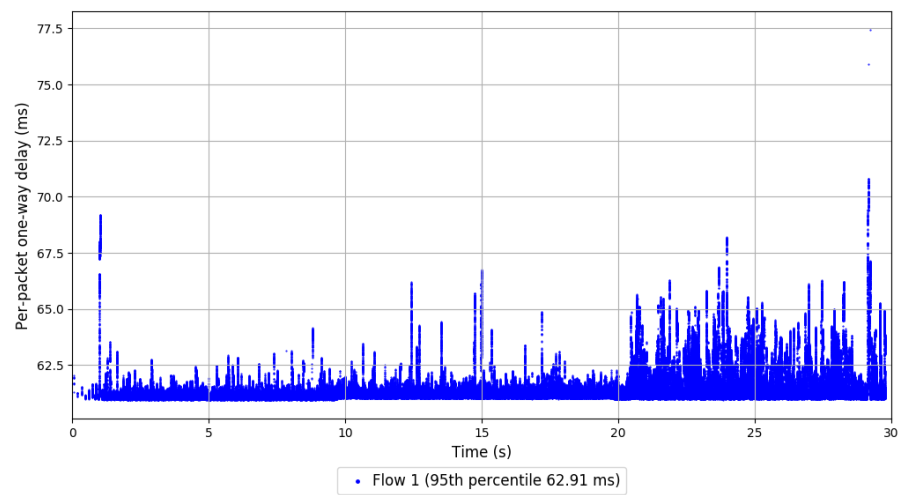
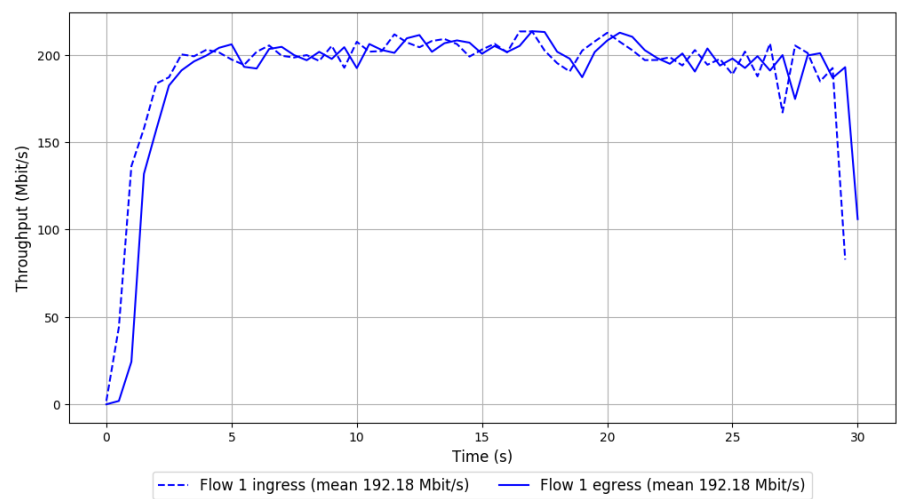
-- Flow 1:

Average throughput: 192.18 Mbit/s

95th percentile per-packet one-way delay: 62.913 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

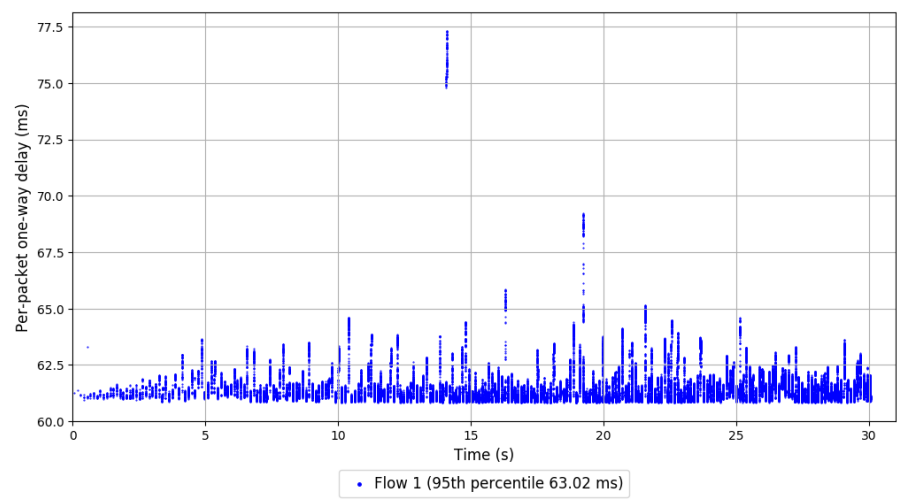
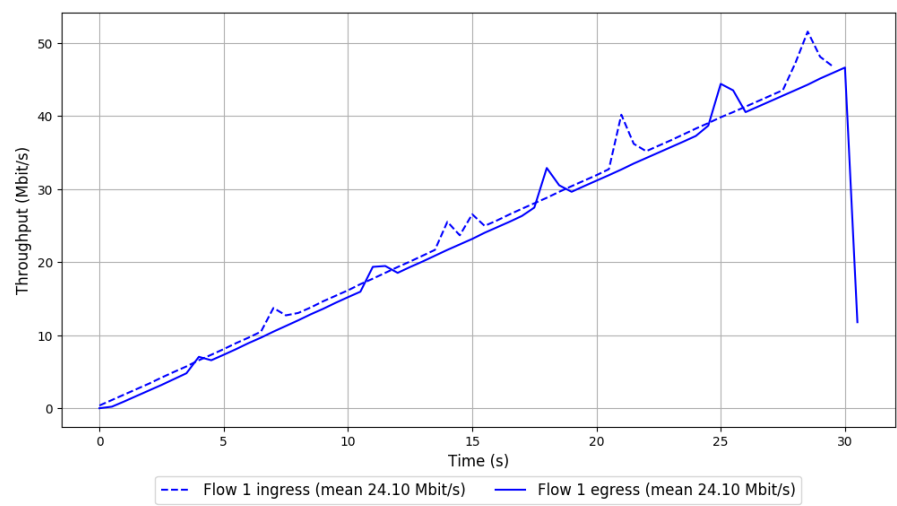


Run 1: Statistics of LEDBAT

Start at: 2018-07-18 22:57:09
End at: 2018-07-18 22:57:39
Local clock offset: -0.033 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-07-19 03:31:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 63.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 63.017 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-18 23:18:34

End at: 2018-07-18 23:19:04

Local clock offset: -0.082 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 63.472 ms

Loss rate: 0.00%

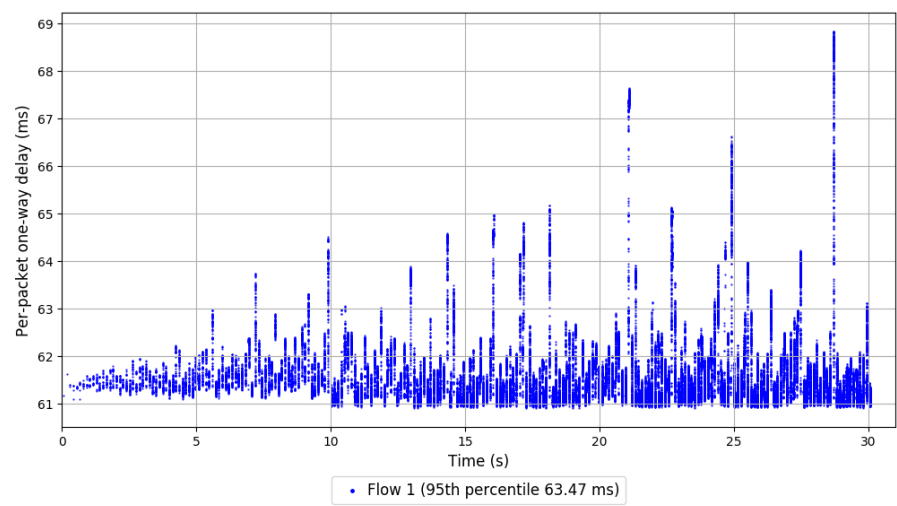
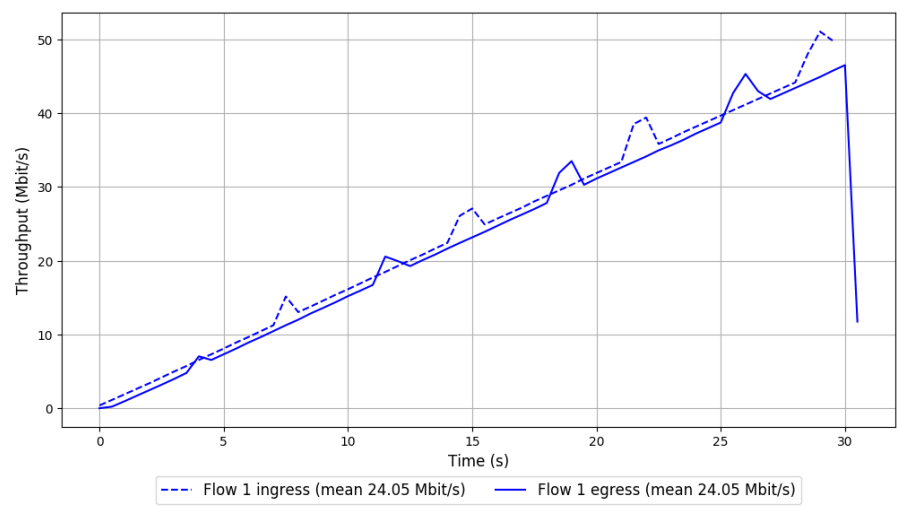
-- Flow 1:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 63.472 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

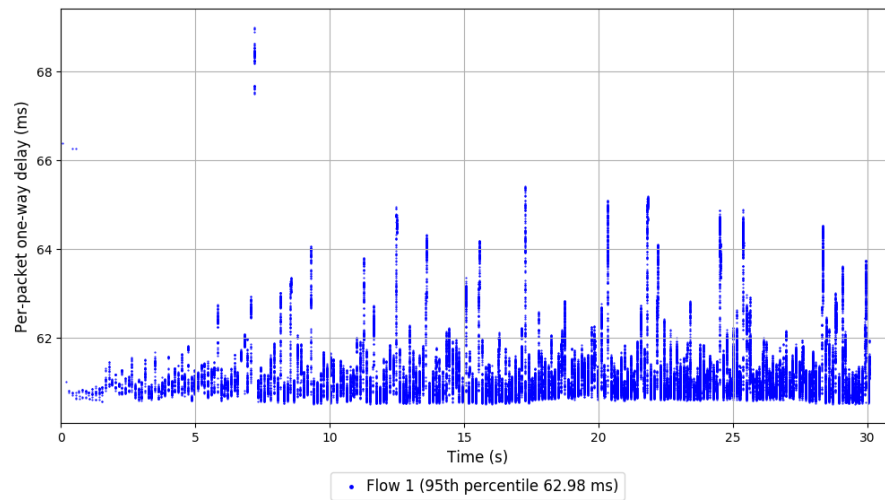
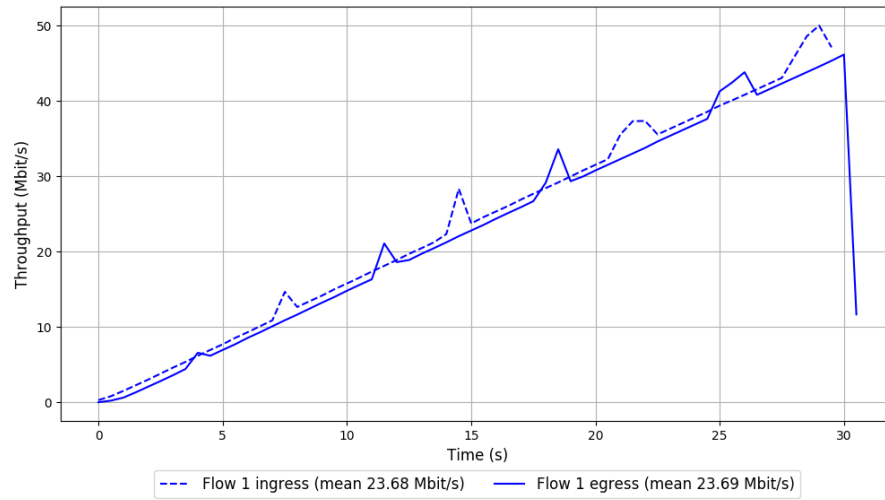


Run 3: Statistics of LEDBAT

Start at: 2018-07-18 23:40:06
End at: 2018-07-18 23:40:36
Local clock offset: -0.048 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-07-19 03:31:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 62.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 62.981 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-19 00:01:44

End at: 2018-07-19 00:02:14

Local clock offset: -0.056 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 63.954 ms

Loss rate: 0.00%

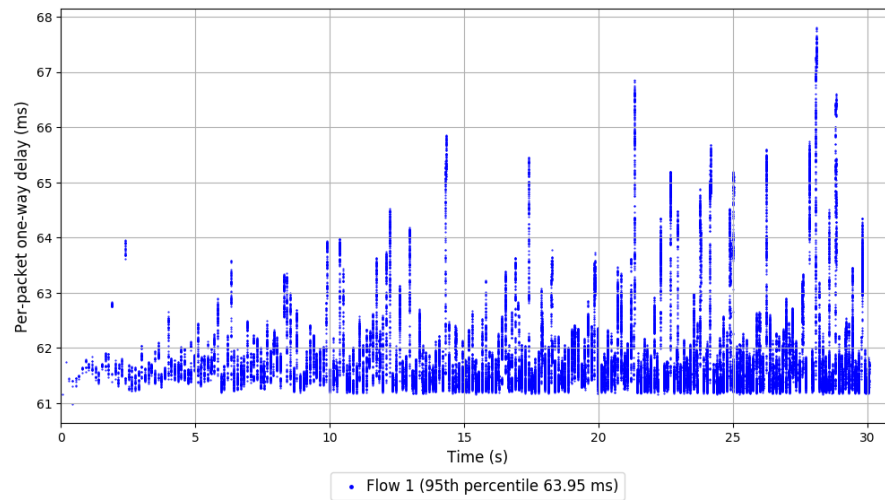
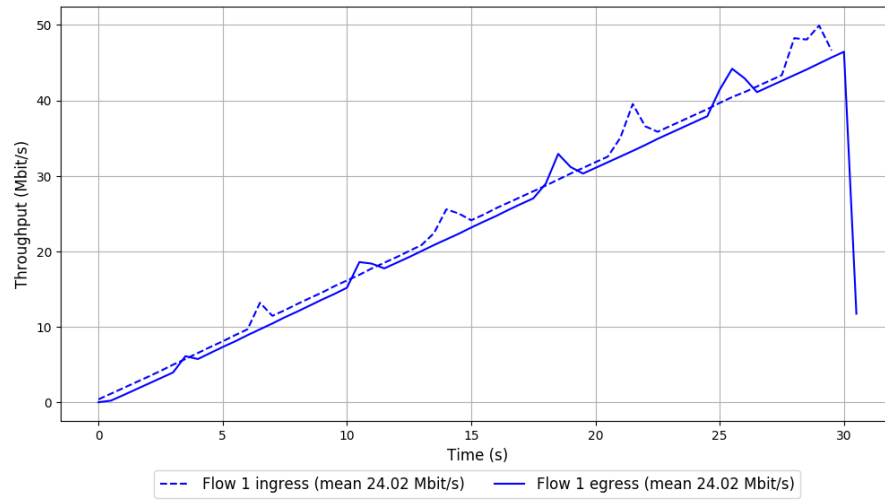
-- Flow 1:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 63.954 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

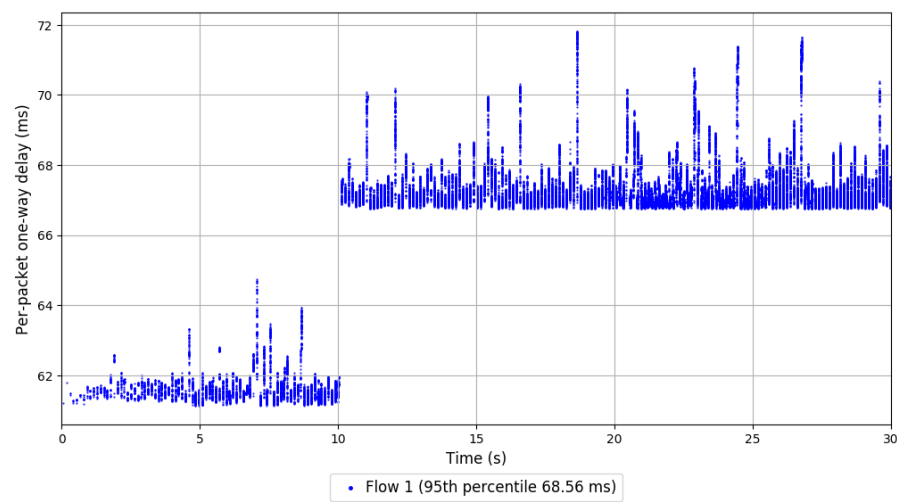
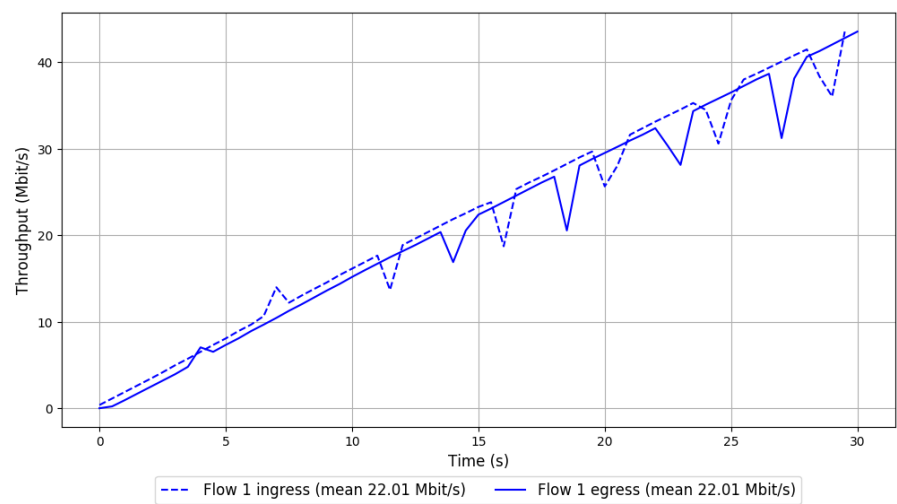


Run 5: Statistics of LEDBAT

Start at: 2018-07-19 00:23:14
End at: 2018-07-19 00:23:44
Local clock offset: -0.072 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-19 03:31:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: 68.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: 68.559 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

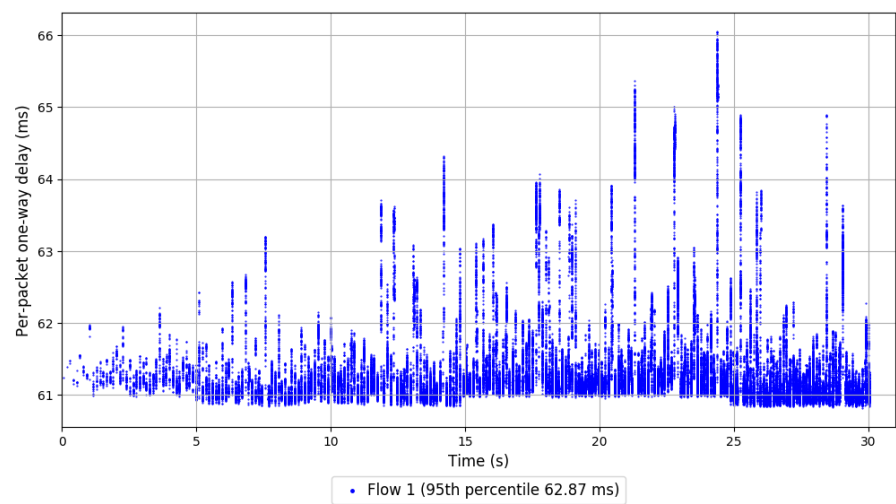
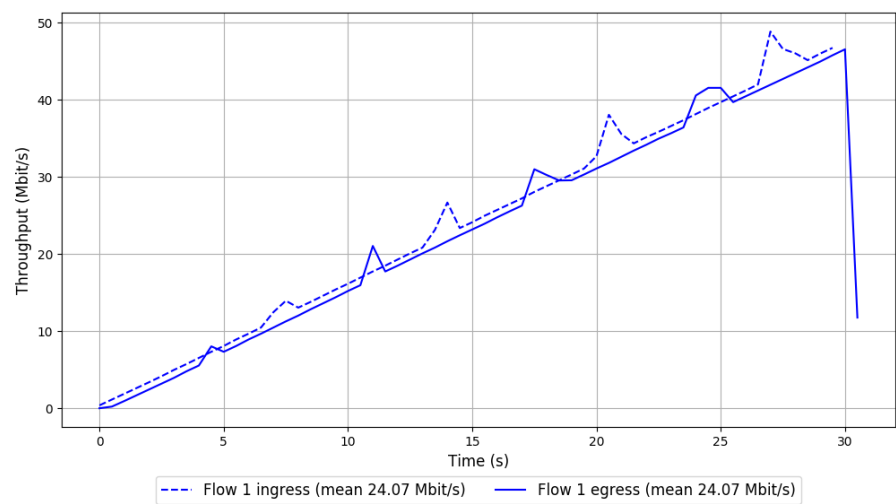


Run 6: Statistics of LEDBAT

Start at: 2018-07-19 00:44:49
End at: 2018-07-19 00:45:19
Local clock offset: -0.074 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-07-19 03:31:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 62.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 62.870 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-19 01:06:38

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

Local clock offset: -0.035 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 63.252 ms

Loss rate: 0.00%

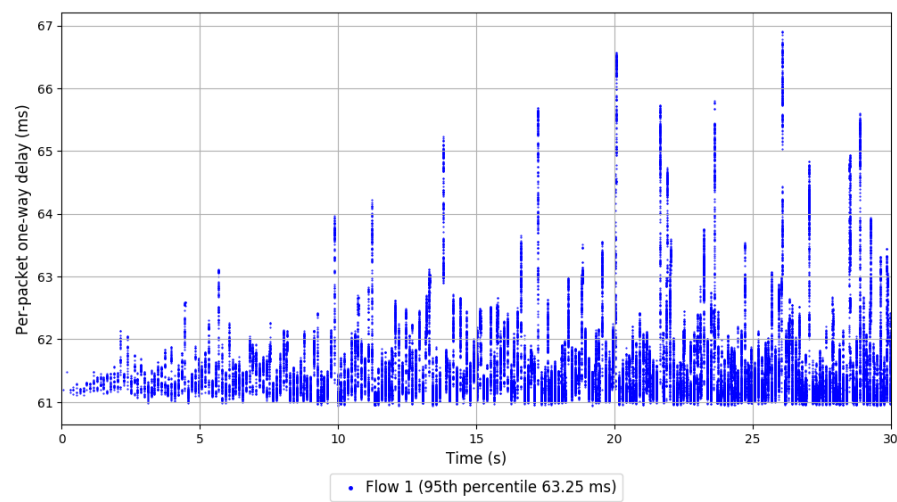
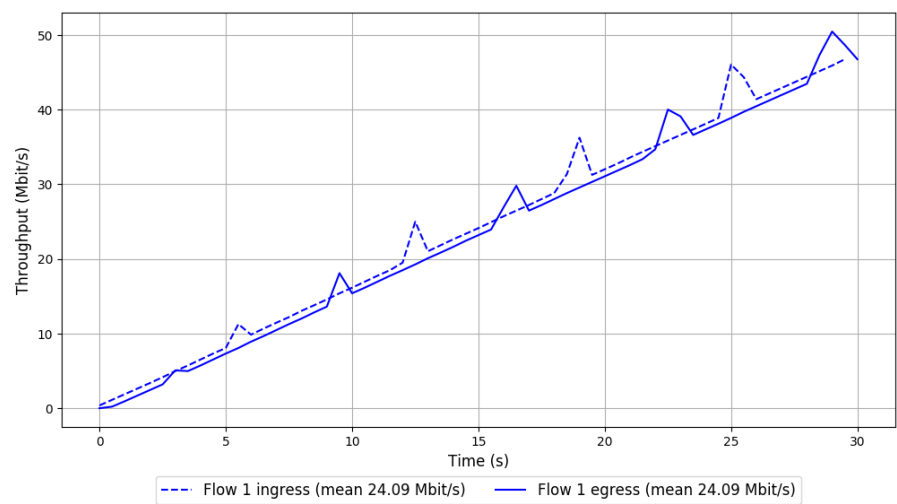
-- Flow 1:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 63.252 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

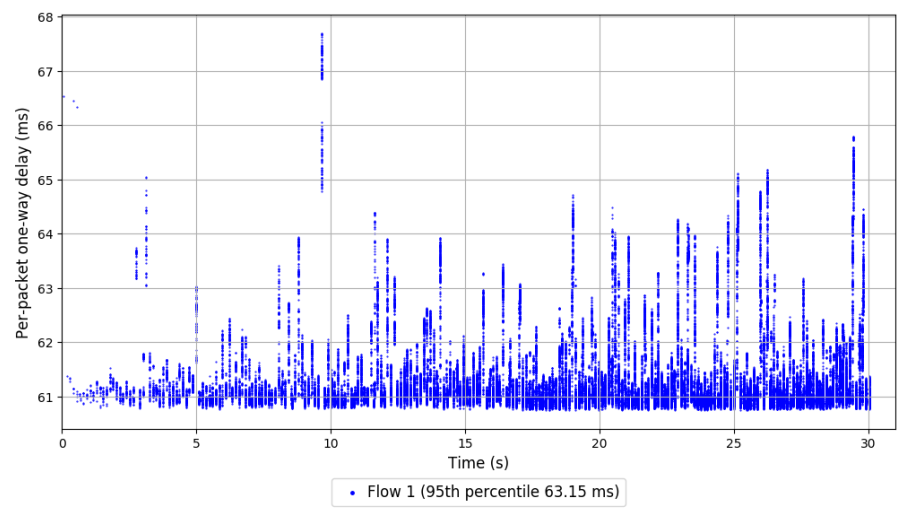
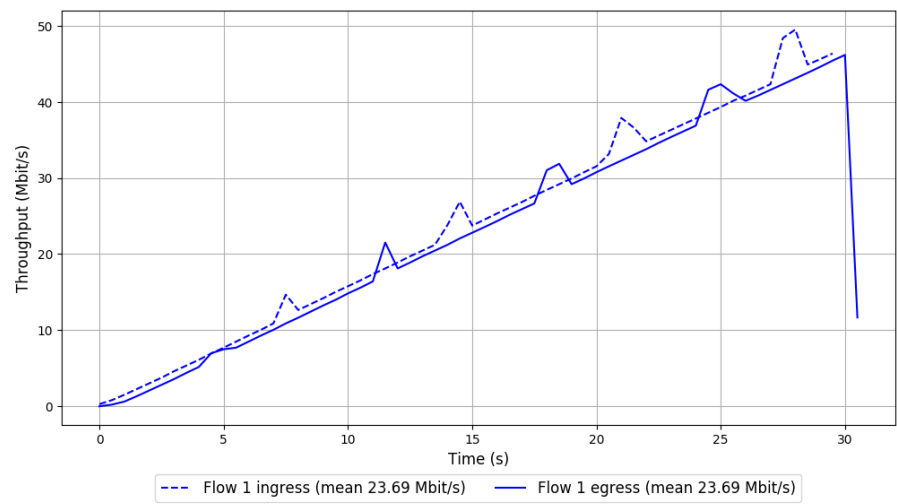


Run 8: Statistics of LEDBAT

Start at: 2018-07-19 01:28:28
End at: 2018-07-19 01:28:58
Local clock offset: -0.042 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-19 03:31:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 63.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 63.148 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

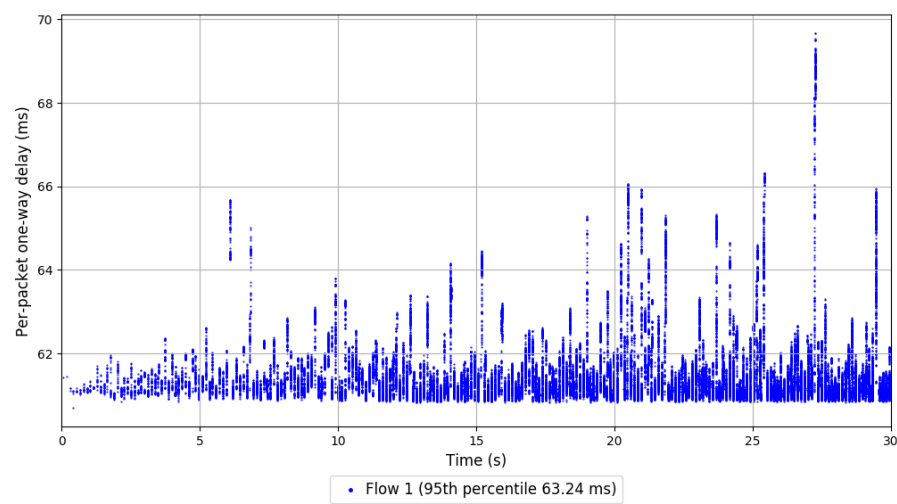
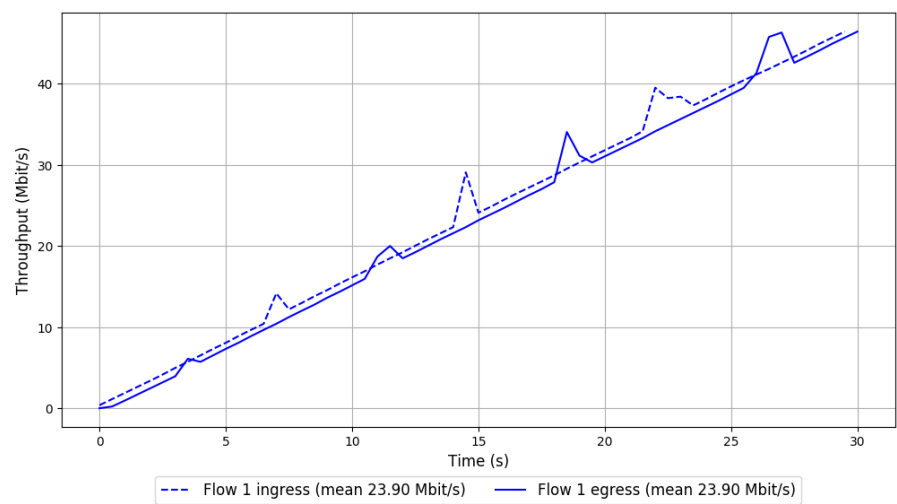


Run 9: Statistics of LEDBAT

Start at: 2018-07-19 01:50:04
End at: 2018-07-19 01:50:34
Local clock offset: -0.03 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-19 03:31:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 63.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 63.239 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-19 02:11:50

End at: 2018-07-19 02:12:20

Local clock offset: 0.008 ms

Remote clock offset: 1.344 ms

Below is generated by plot.py at 2018-07-19 03:31:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 64.905 ms

Loss rate: 0.00%

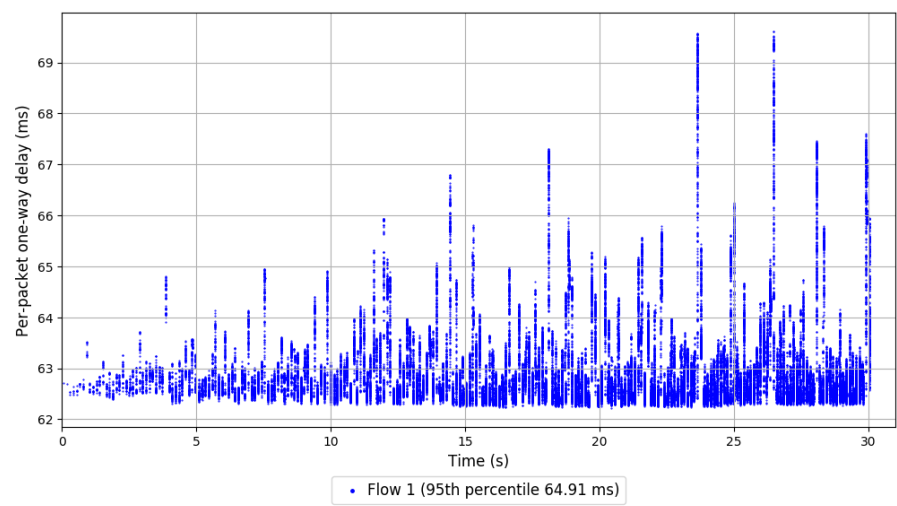
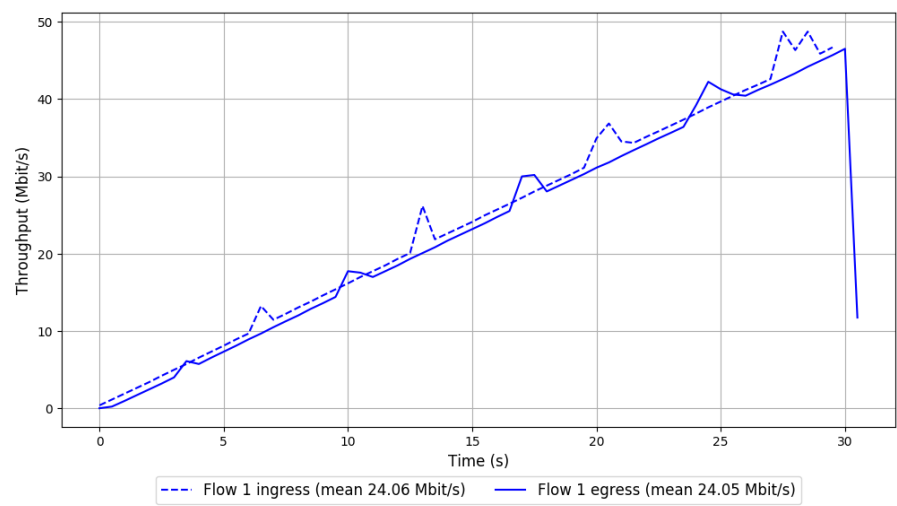
-- Flow 1:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 64.905 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

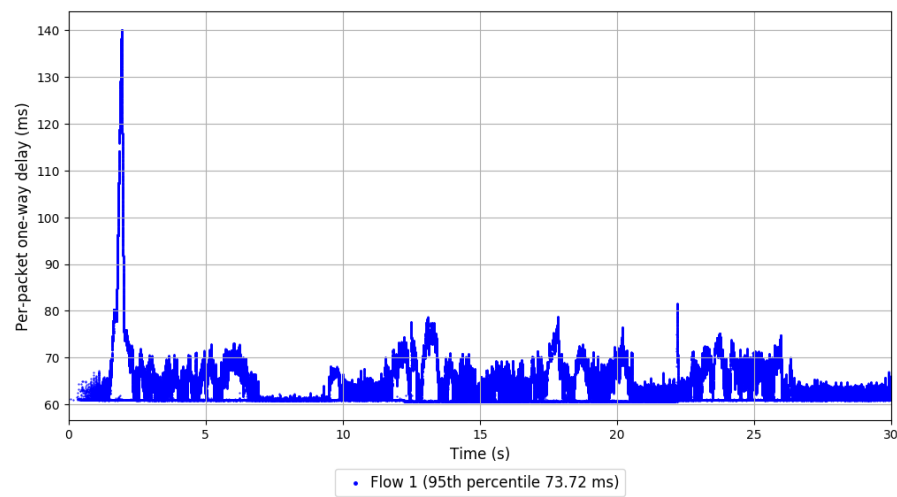
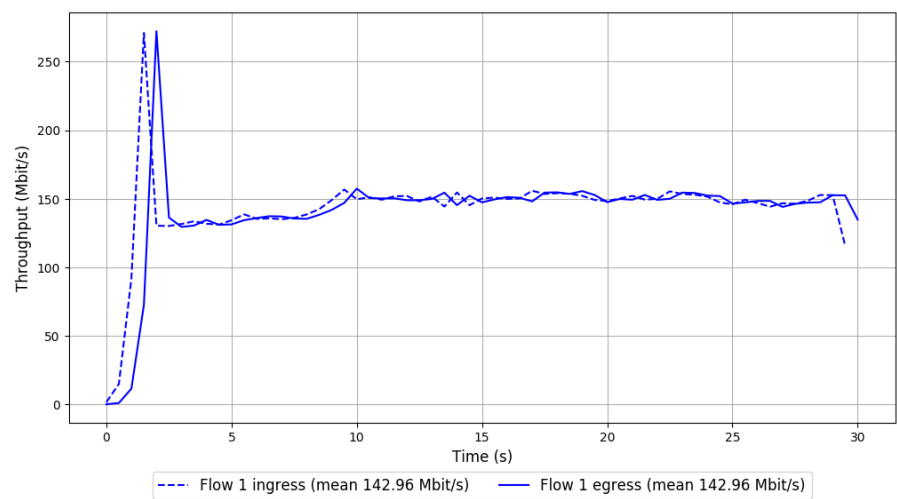


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 23:02:01
End at: 2018-07-18 23:02:31
Local clock offset: -0.006 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-19 03:32:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.96 Mbit/s
95th percentile per-packet one-way delay: 73.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.96 Mbit/s
95th percentile per-packet one-way delay: 73.719 ms
Loss rate: 0.00%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 23:23:24

End at: 2018-07-18 23:23:54

Local clock offset: 0.053 ms

Remote clock offset: -1.361 ms

Below is generated by plot.py at 2018-07-19 03:36:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.91 Mbit/s

95th percentile per-packet one-way delay: 101.503 ms

Loss rate: 0.17%

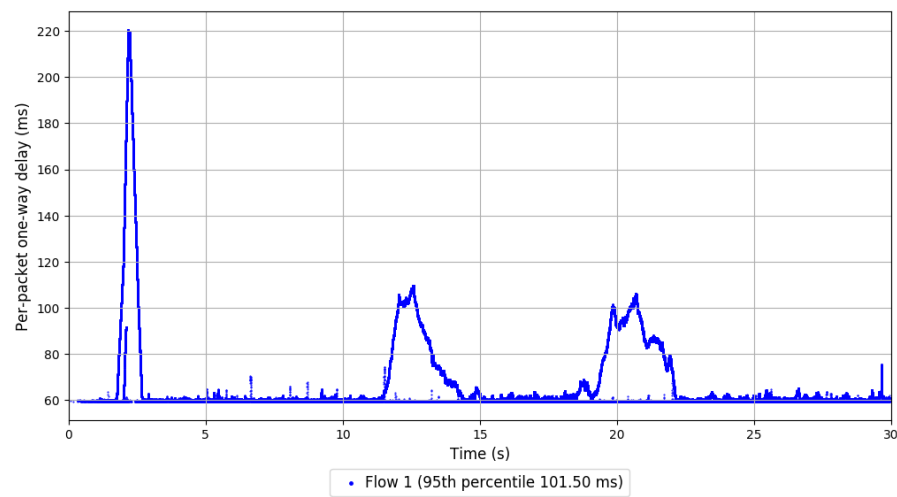
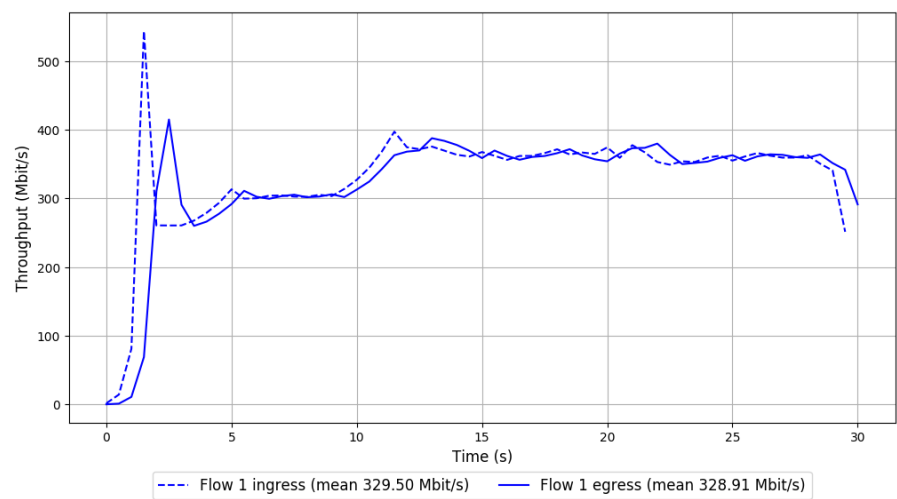
-- Flow 1:

Average throughput: 328.91 Mbit/s

95th percentile per-packet one-way delay: 101.503 ms

Loss rate: 0.17%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 23:44:58

End at: 2018-07-18 23:45:29

Local clock offset: -0.055 ms

Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-07-19 03:36:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.11 Mbit/s

95th percentile per-packet one-way delay: 92.990 ms

Loss rate: 0.15%

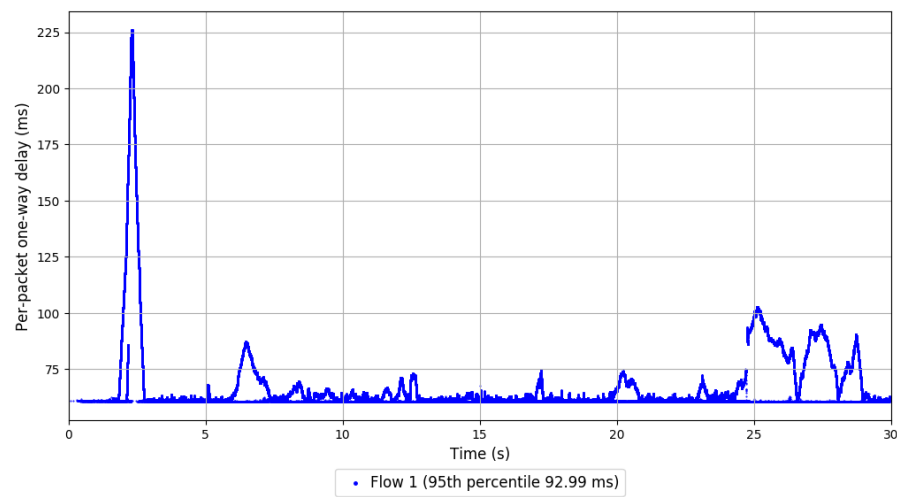
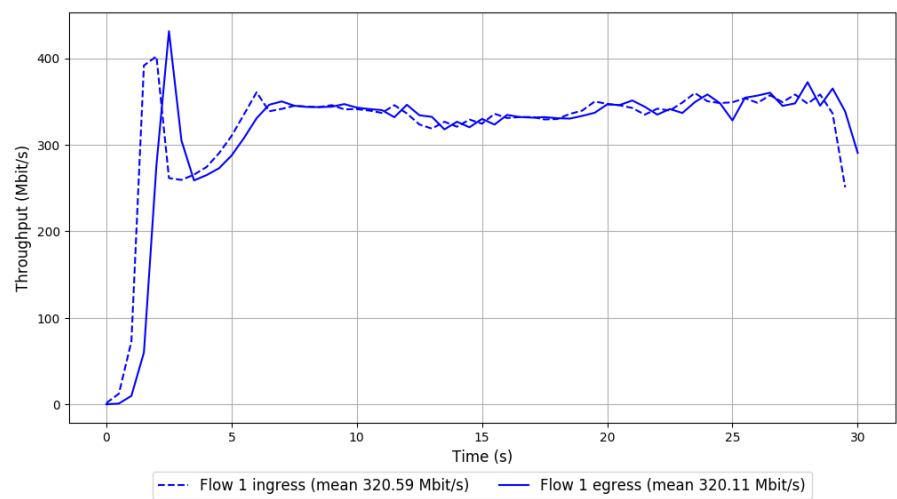
-- Flow 1:

Average throughput: 320.11 Mbit/s

95th percentile per-packet one-way delay: 92.990 ms

Loss rate: 0.15%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-19 00:06:35

End at: 2018-07-19 00:07:05

Local clock offset: -0.032 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-07-19 03:36:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.99 Mbit/s

95th percentile per-packet one-way delay: 102.278 ms

Loss rate: 0.12%

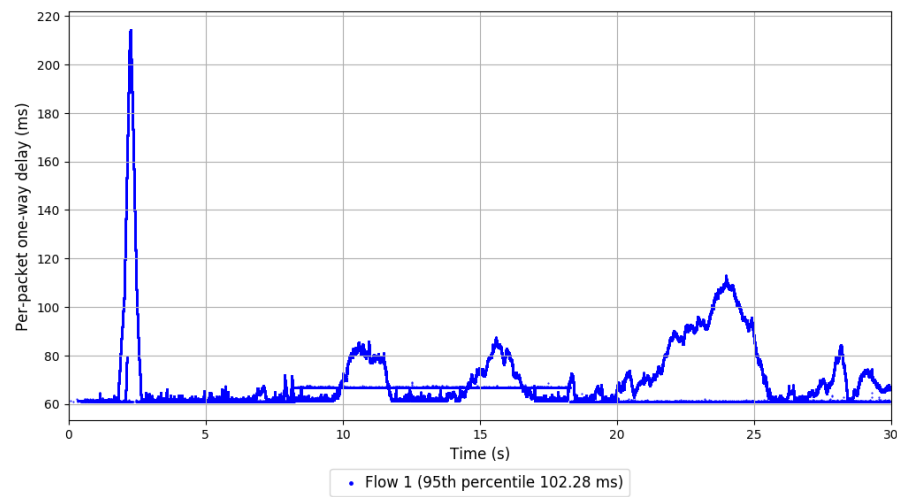
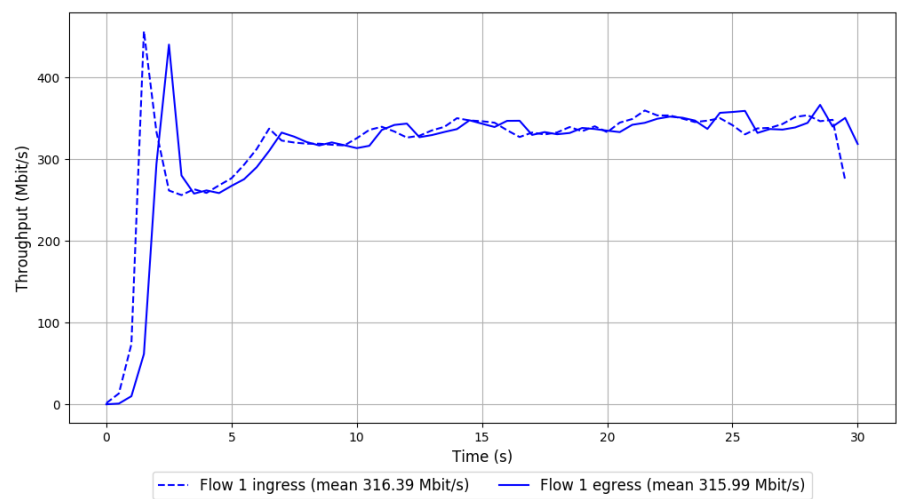
-- Flow 1:

Average throughput: 315.99 Mbit/s

95th percentile per-packet one-way delay: 102.278 ms

Loss rate: 0.12%

Run 4: Report of PCC-Allegro — Data Link

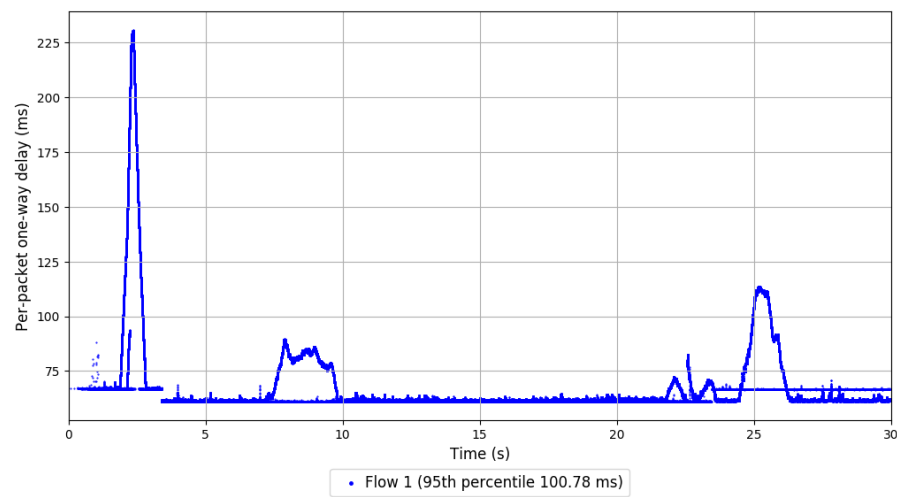
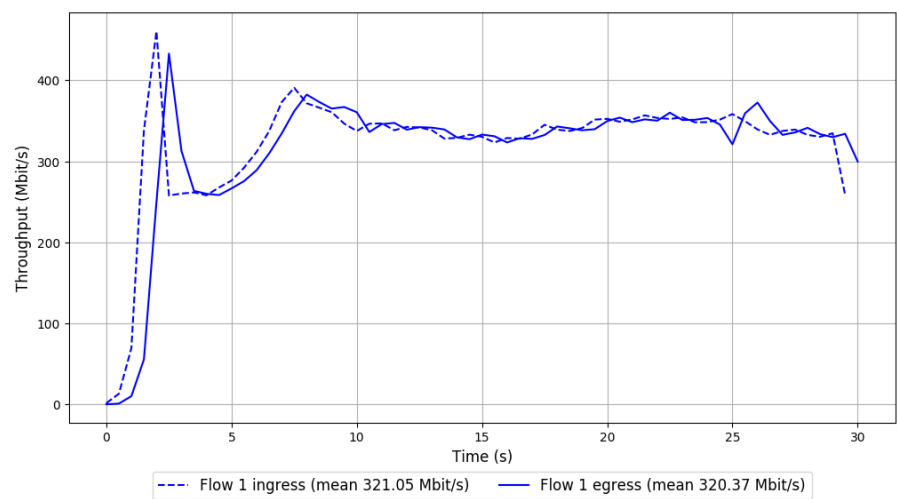


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-19 00:28:01
End at: 2018-07-19 00:28:31
Local clock offset: -0.083 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-19 03:36:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 320.37 Mbit/s
95th percentile per-packet one-way delay: 100.781 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 320.37 Mbit/s
95th percentile per-packet one-way delay: 100.781 ms
Loss rate: 0.23%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-19 00:49:43

End at: 2018-07-19 00:50:13

Local clock offset: -0.022 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-07-19 03:37:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.61 Mbit/s

95th percentile per-packet one-way delay: 85.261 ms

Loss rate: 0.12%

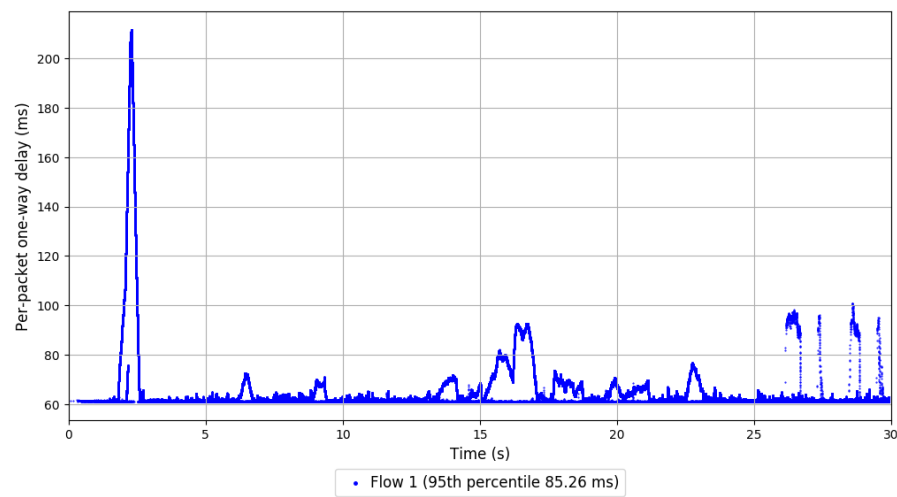
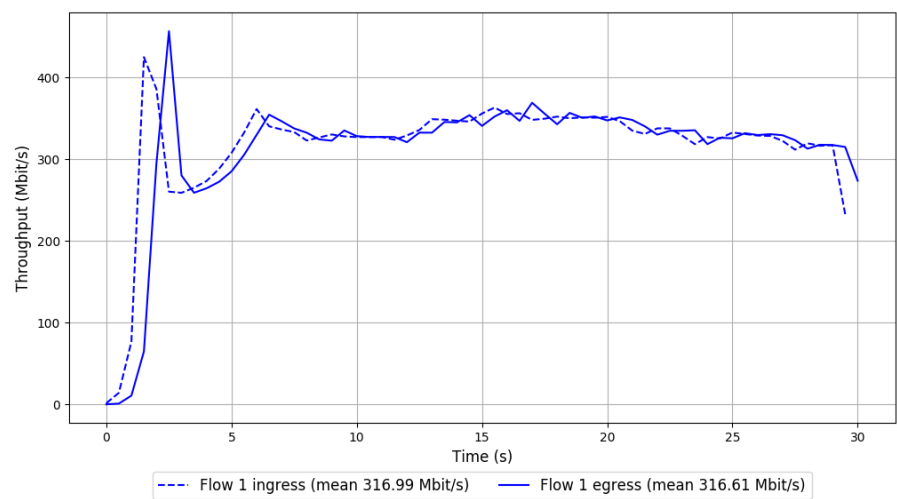
-- Flow 1:

Average throughput: 316.61 Mbit/s

95th percentile per-packet one-way delay: 85.261 ms

Loss rate: 0.12%

Run 6: Report of PCC-Allegro — Data Link

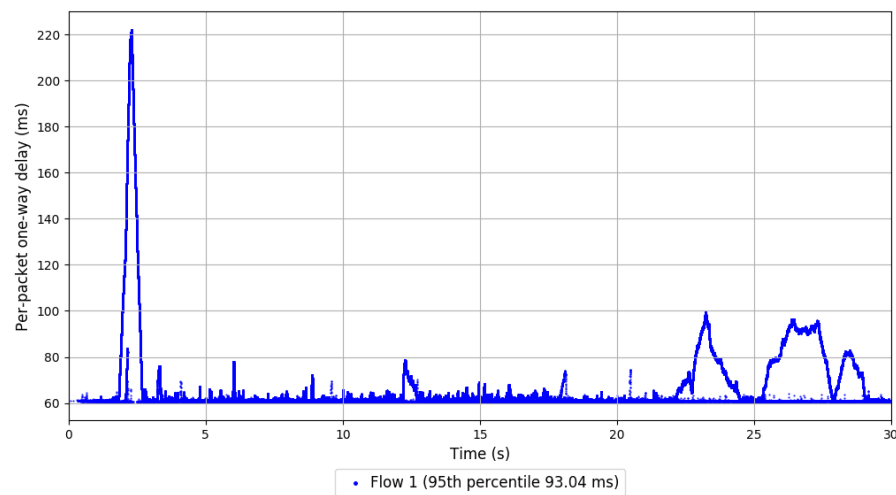
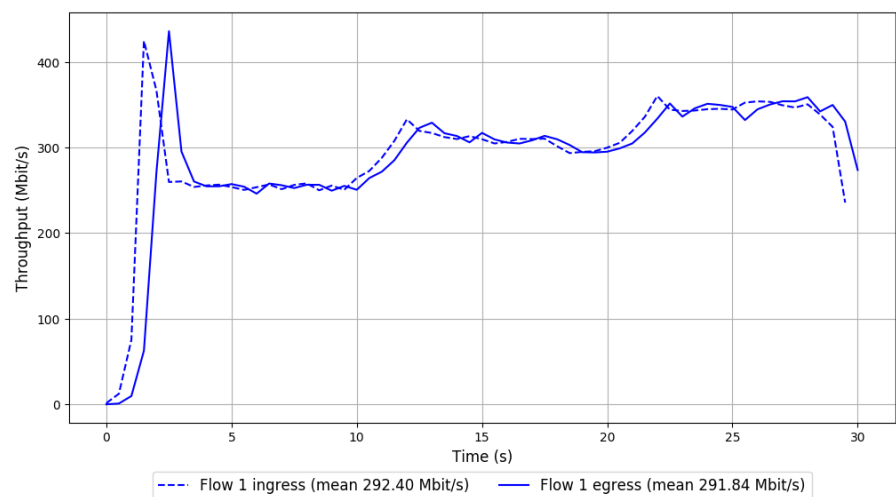


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-19 01:11:39
End at: 2018-07-19 01:12:09
Local clock offset: -0.08 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-19 03:37:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.84 Mbit/s
95th percentile per-packet one-way delay: 93.042 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 291.84 Mbit/s
95th percentile per-packet one-way delay: 93.042 ms
Loss rate: 0.19%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-19 01:33:16

End at: 2018-07-19 01:33:46

Local clock offset: 0.024 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-19 03:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.10 Mbit/s

95th percentile per-packet one-way delay: 109.006 ms

Loss rate: 0.25%

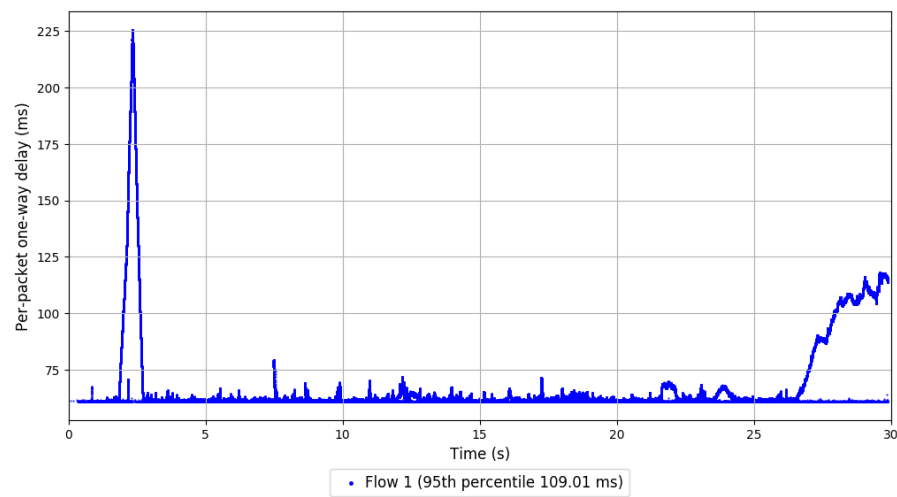
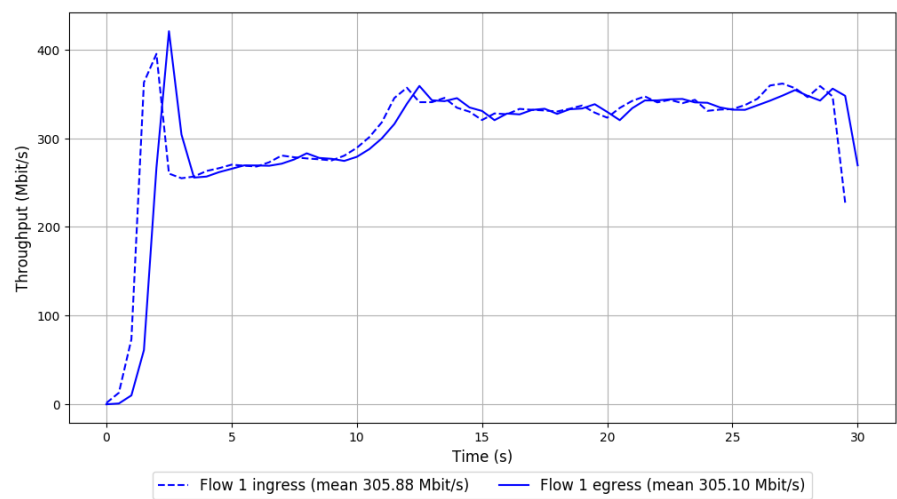
-- Flow 1:

Average throughput: 305.10 Mbit/s

95th percentile per-packet one-way delay: 109.006 ms

Loss rate: 0.25%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-19 01:54:54

End at: 2018-07-19 01:55:24

Local clock offset: 0.175 ms

Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-19 03:39:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.17 Mbit/s

95th percentile per-packet one-way delay: 87.243 ms

Loss rate: 0.20%

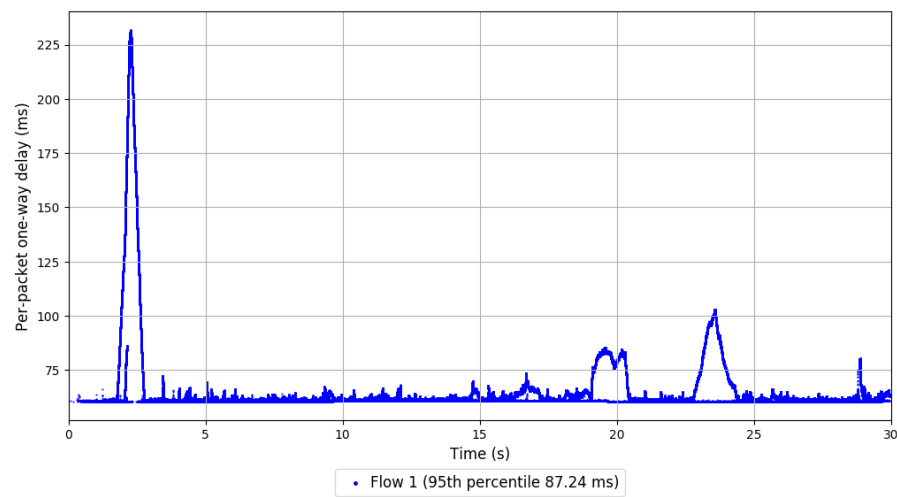
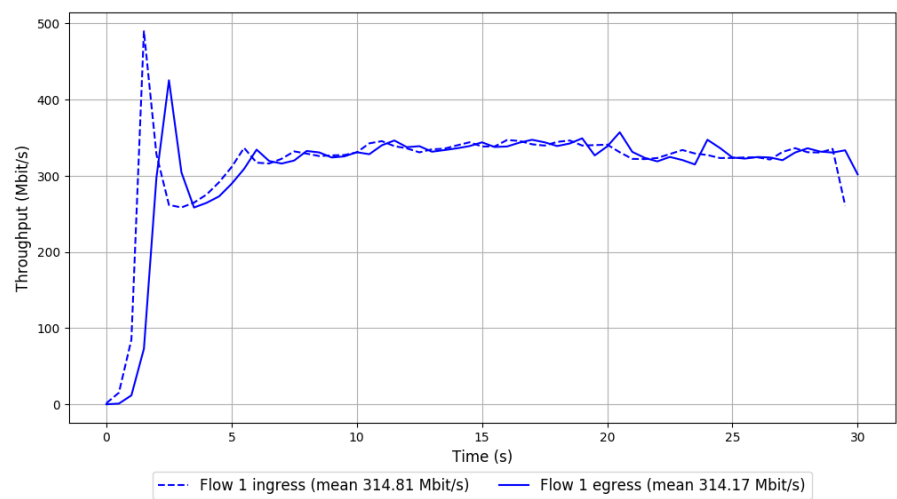
-- Flow 1:

Average throughput: 314.17 Mbit/s

95th percentile per-packet one-way delay: 87.243 ms

Loss rate: 0.20%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-19 02:16:49

End at: 2018-07-19 02:17:19

Local clock offset: 0.021 ms

Remote clock offset: 1.431 ms

Below is generated by plot.py at 2018-07-19 03:42:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 294.44 Mbit/s

95th percentile per-packet one-way delay: 100.623 ms

Loss rate: 0.25%

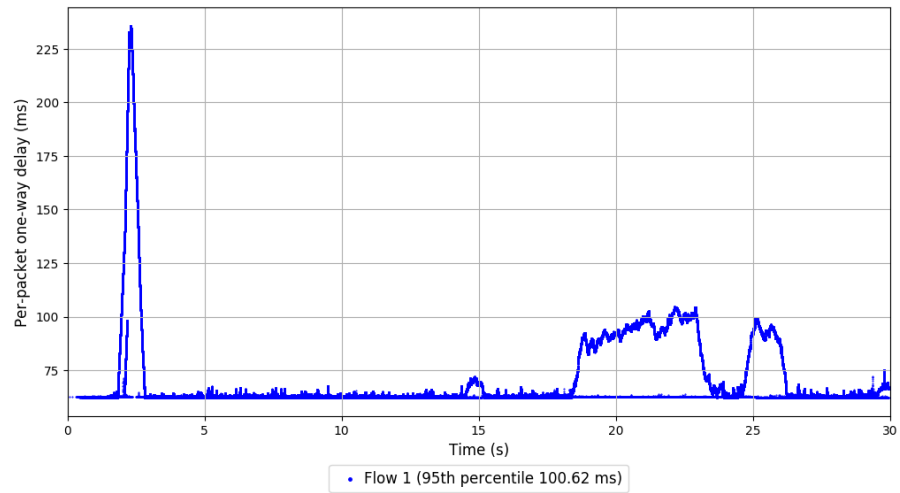
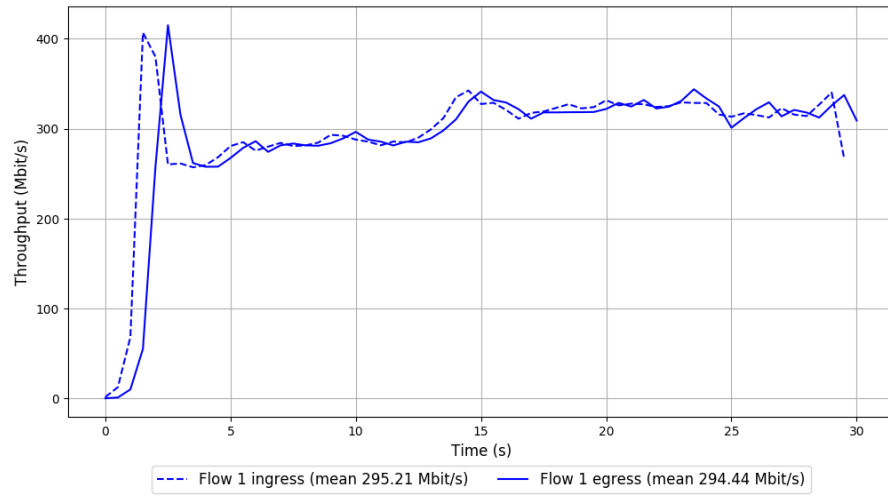
-- Flow 1:

Average throughput: 294.44 Mbit/s

95th percentile per-packet one-way delay: 100.623 ms

Loss rate: 0.25%

Run 10: Report of PCC-Allegro — Data Link

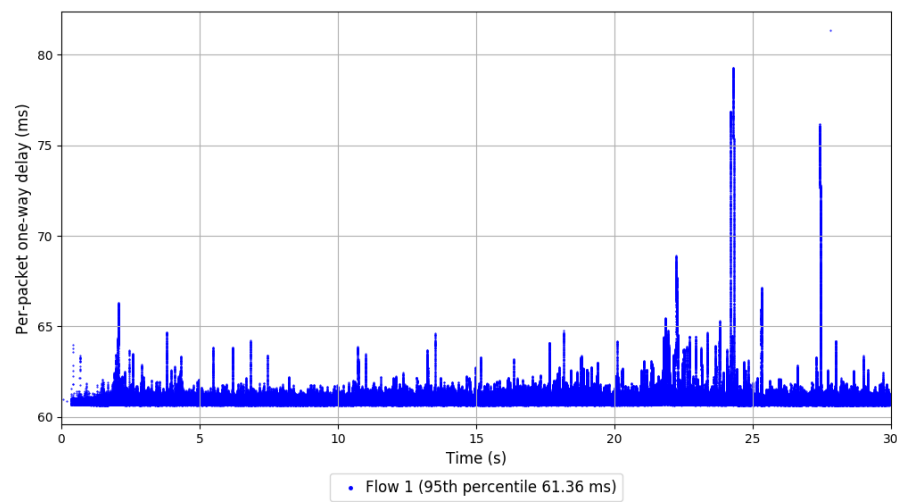
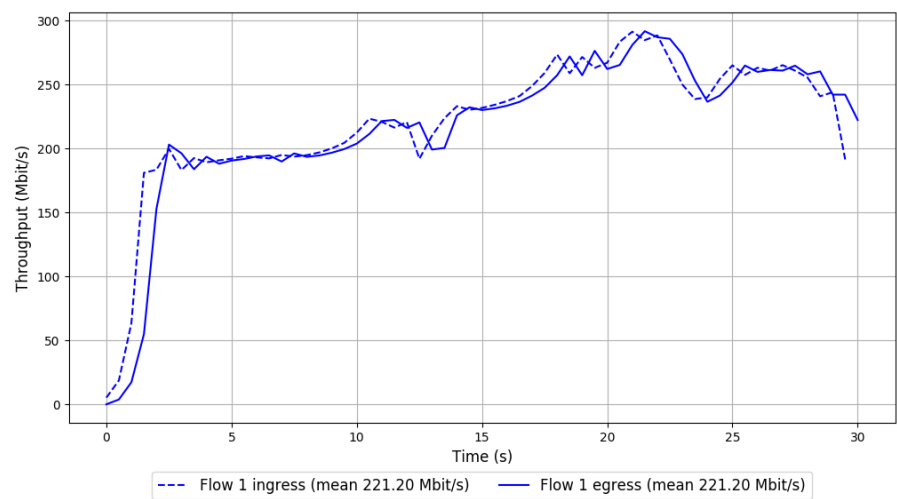


Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 23:05:59
End at: 2018-07-18 23:06:29
Local clock offset: -0.023 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-07-19 03:44:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.20 Mbit/s
95th percentile per-packet one-way delay: 61.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.20 Mbit/s
95th percentile per-packet one-way delay: 61.361 ms
Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 23:27:30

End at: 2018-07-18 23:28:00

Local clock offset: -0.002 ms

Remote clock offset: 1.172 ms

Below is generated by plot.py at 2018-07-19 03:47:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 287.67 Mbit/s

95th percentile per-packet one-way delay: 68.109 ms

Loss rate: 0.00%

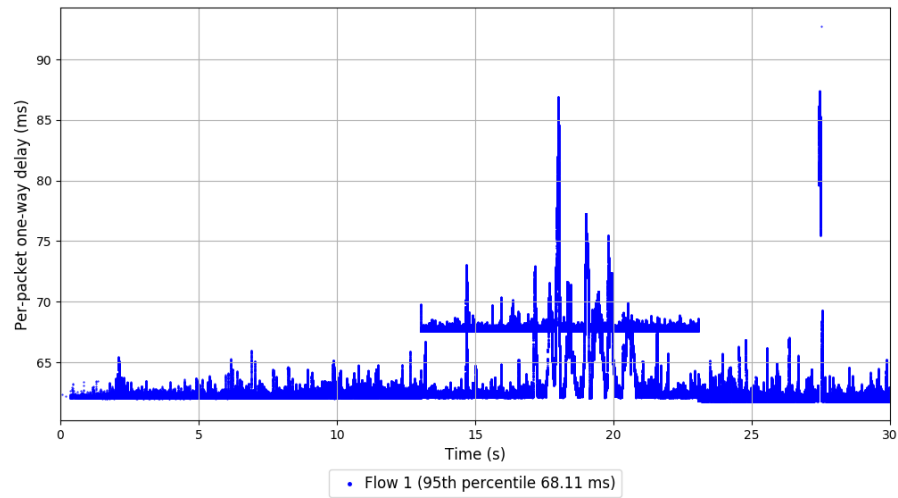
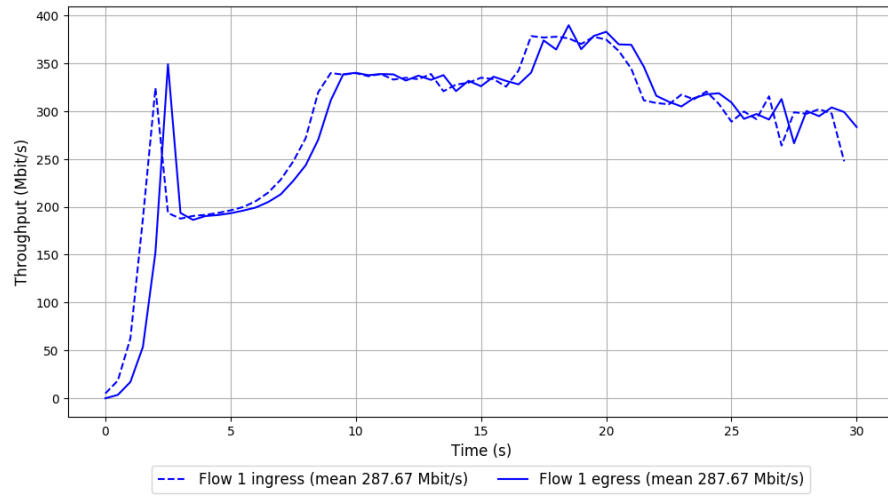
-- Flow 1:

Average throughput: 287.67 Mbit/s

95th percentile per-packet one-way delay: 68.109 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

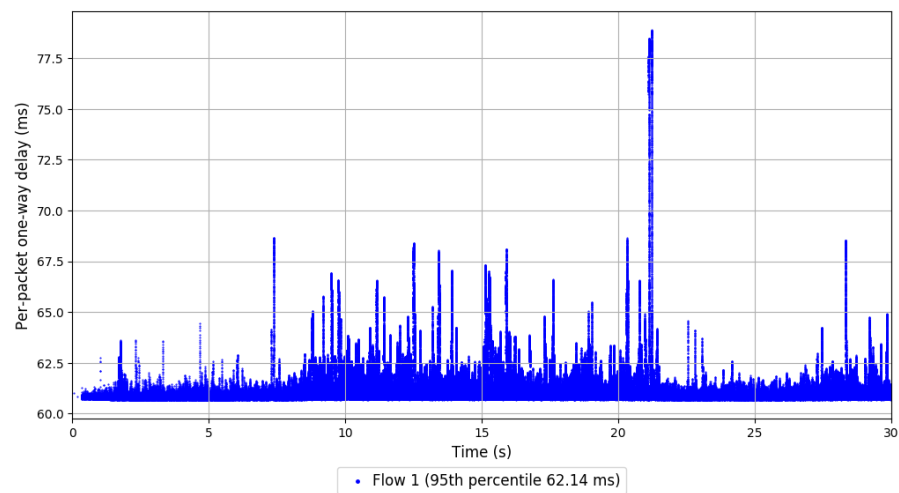
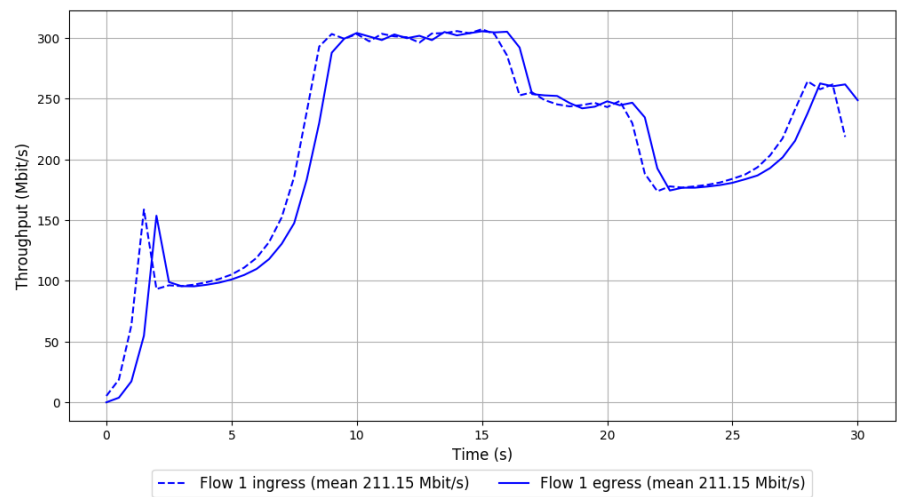


Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 23:49:02
End at: 2018-07-18 23:49:32
Local clock offset: -0.051 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-19 03:47:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.15 Mbit/s
95th percentile per-packet one-way delay: 62.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.15 Mbit/s
95th percentile per-packet one-way delay: 62.140 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-19 00:10:40

End at: 2018-07-19 00:11:10

Local clock offset: -0.048 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-07-19 03:47:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 66.916 ms

Loss rate: 0.00%

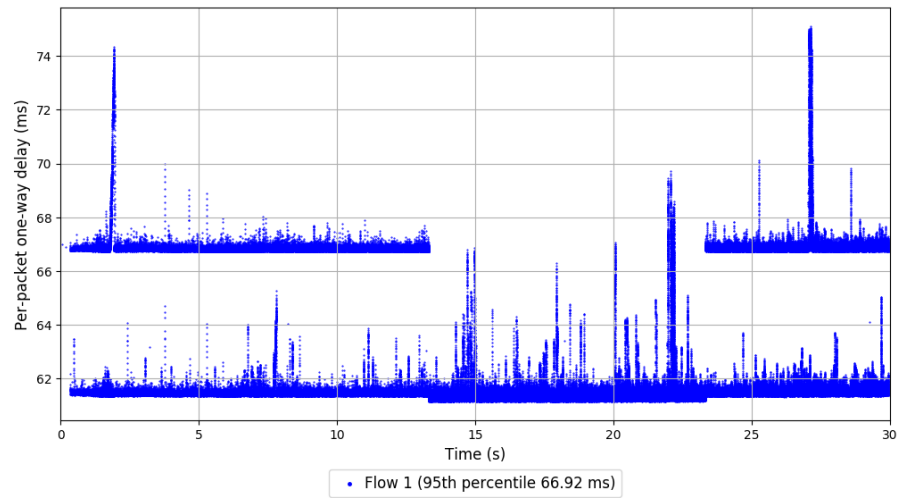
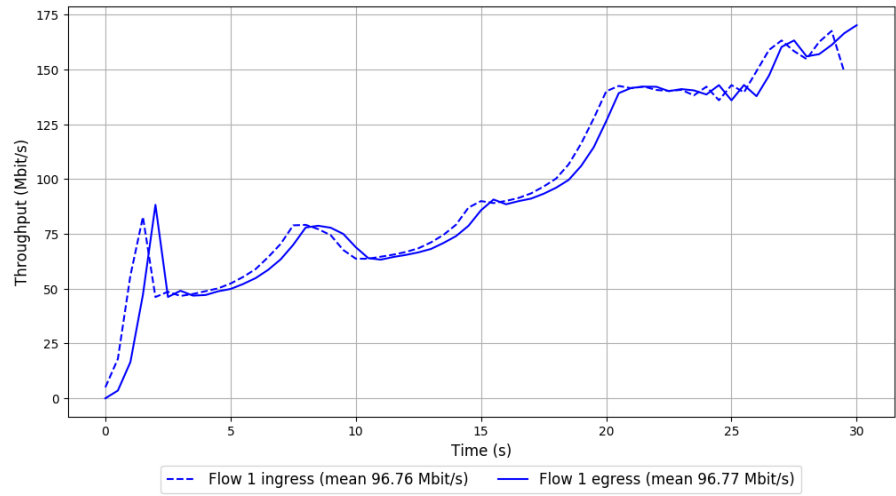
-- Flow 1:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 66.916 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

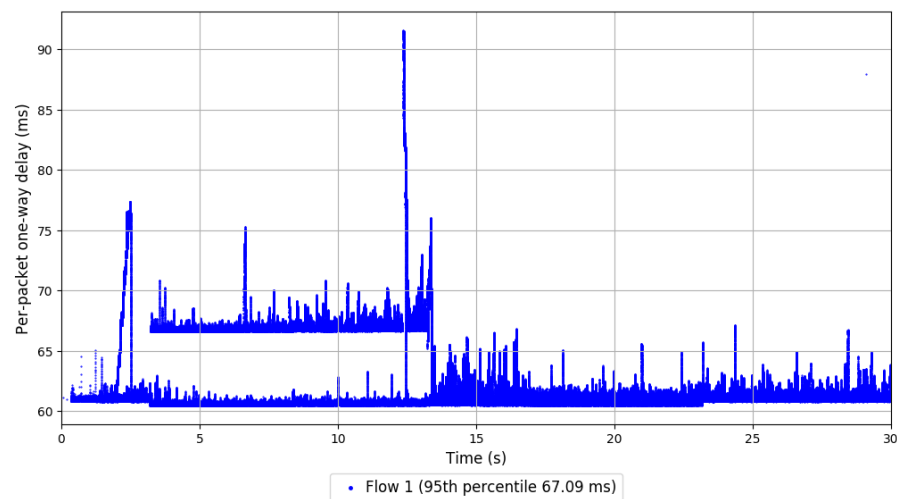
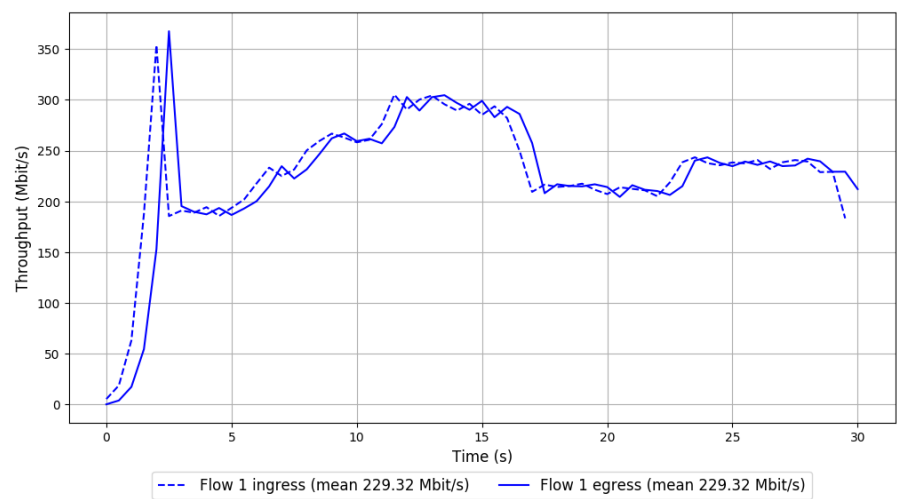


Run 5: Statistics of PCC-Expr

Start at: 2018-07-19 00:32:11
End at: 2018-07-19 00:32:41
Local clock offset: -0.056 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-19 03:47:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.32 Mbit/s
95th percentile per-packet one-way delay: 67.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.32 Mbit/s
95th percentile per-packet one-way delay: 67.088 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-19 00:53:44

End at: 2018-07-19 00:54:14

Local clock offset: -0.054 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-19 03:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 369.30 Mbit/s

95th percentile per-packet one-way delay: 232.589 ms

Loss rate: 2.13%

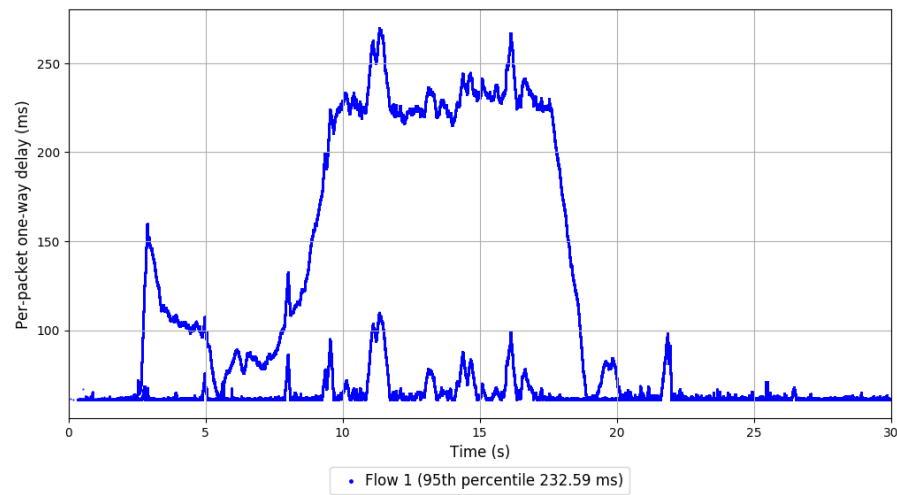
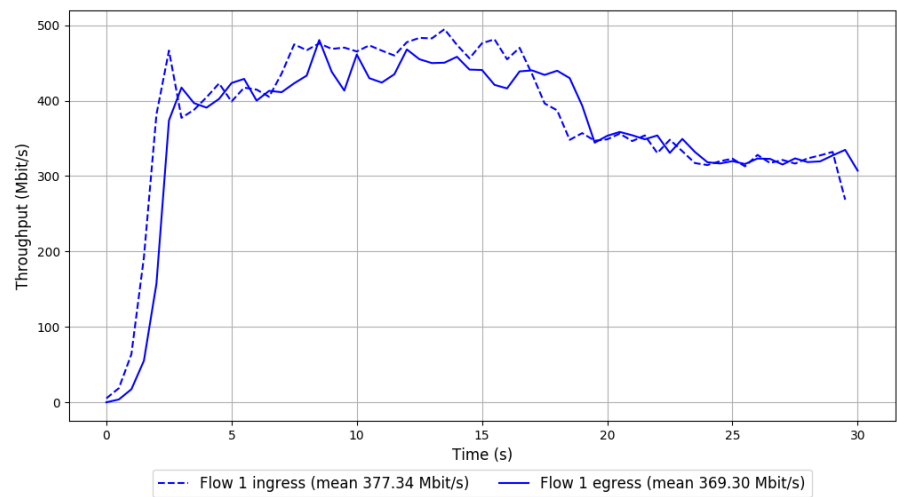
-- Flow 1:

Average throughput: 369.30 Mbit/s

95th percentile per-packet one-way delay: 232.589 ms

Loss rate: 2.13%

Run 6: Report of PCC-Expr — Data Link

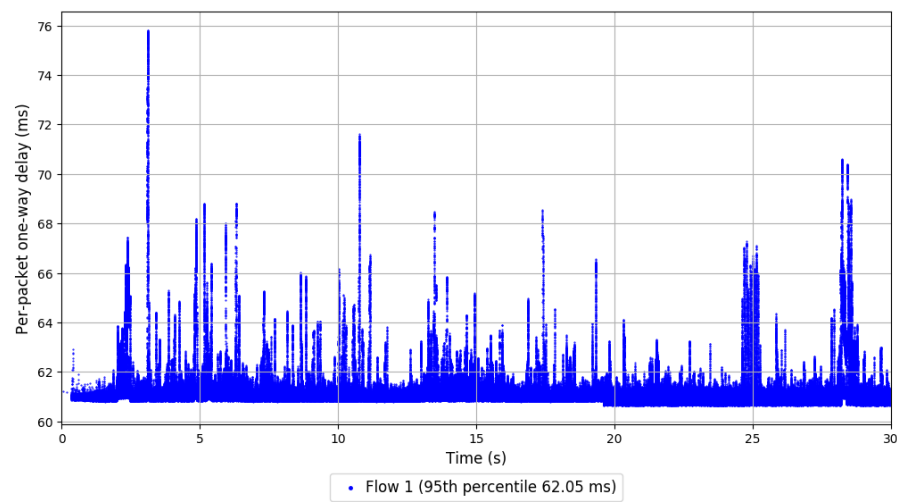
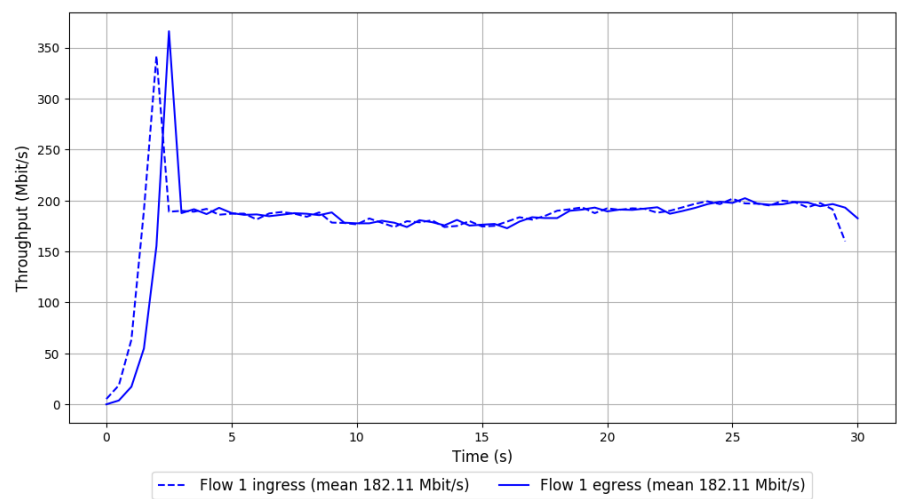


Run 7: Statistics of PCC-Expr

Start at: 2018-07-19 01:15:45
End at: 2018-07-19 01:16:15
Local clock offset: -0.013 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.11 Mbit/s
95th percentile per-packet one-way delay: 62.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.11 Mbit/s
95th percentile per-packet one-way delay: 62.055 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

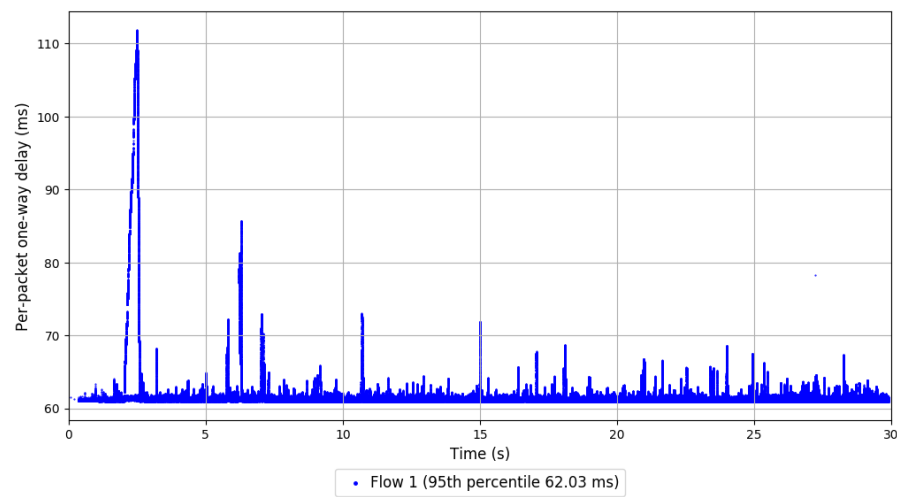
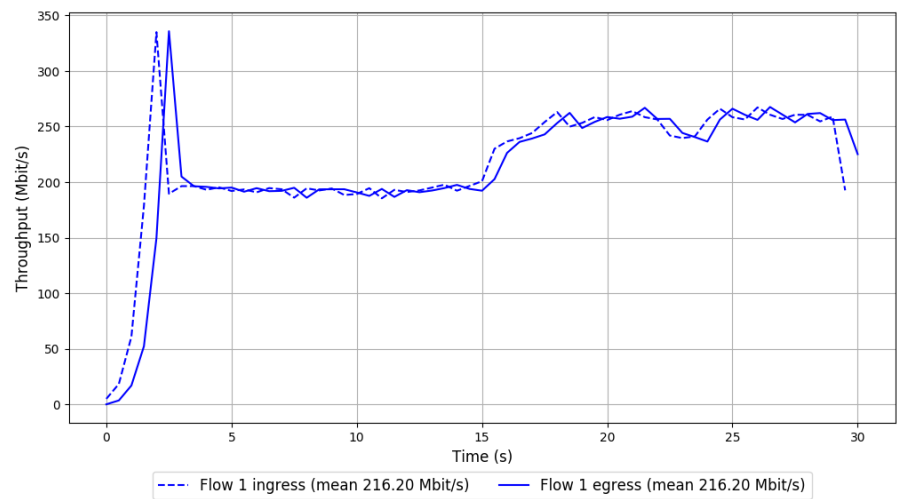


Run 8: Statistics of PCC-Expr

Start at: 2018-07-19 01:37:17
End at: 2018-07-19 01:37:47
Local clock offset: -0.044 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.20 Mbit/s
95th percentile per-packet one-way delay: 62.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.20 Mbit/s
95th percentile per-packet one-way delay: 62.032 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-19 01:59:01

End at: 2018-07-19 01:59:31

Local clock offset: -0.021 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-07-19 03:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.07 Mbit/s

95th percentile per-packet one-way delay: 62.451 ms

Loss rate: 0.00%

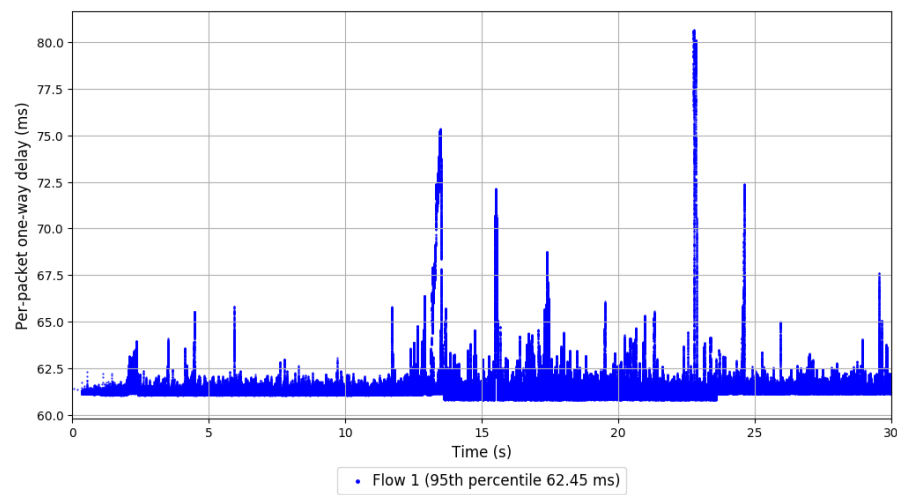
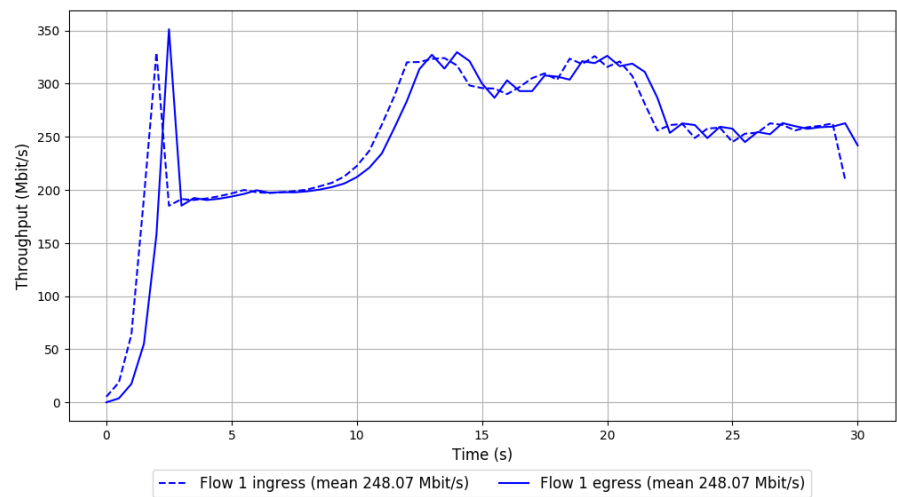
-- Flow 1:

Average throughput: 248.07 Mbit/s

95th percentile per-packet one-way delay: 62.451 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-19 02:20:52

End at: 2018-07-19 02:21:22

Local clock offset: 0.006 ms

Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-19 03:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.53 Mbit/s

95th percentile per-packet one-way delay: 63.491 ms

Loss rate: 0.00%

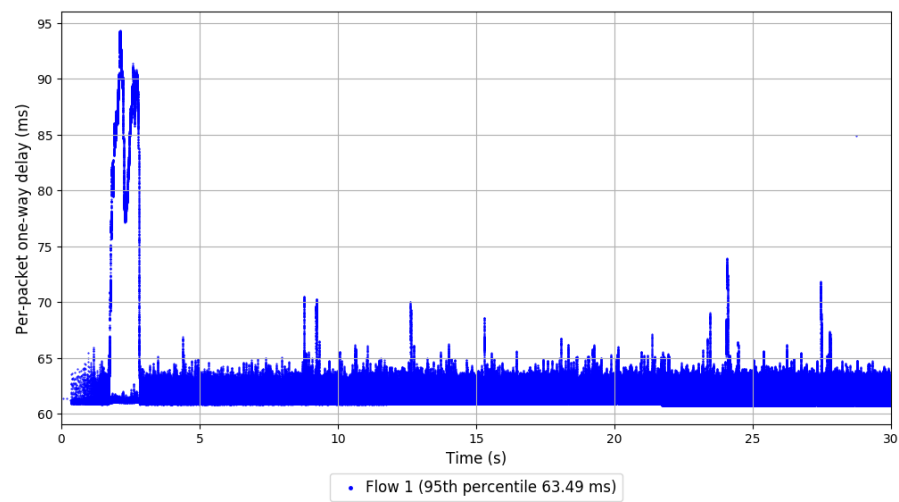
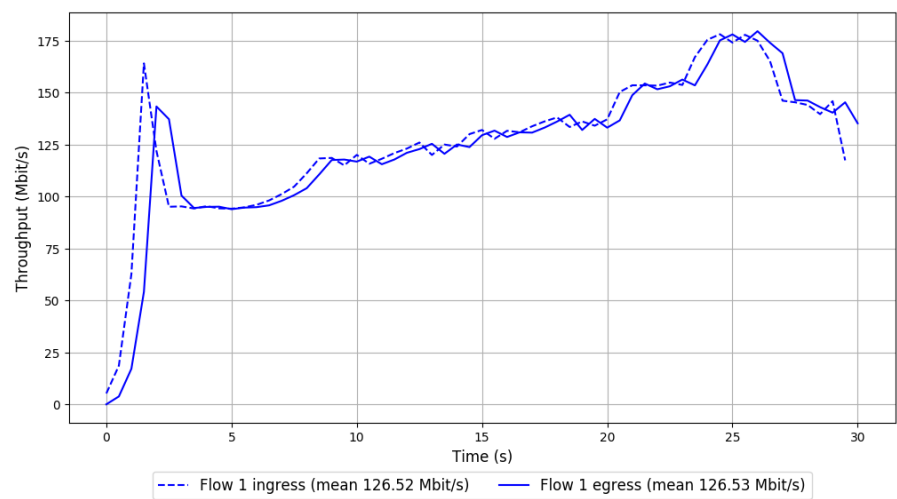
-- Flow 1:

Average throughput: 126.53 Mbit/s

95th percentile per-packet one-way delay: 63.491 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-18 22:59:42

End at: 2018-07-18 23:00:12

Local clock offset: -0.031 ms

Remote clock offset: -1.46 ms

Below is generated by plot.py at 2018-07-19 03:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.45 Mbit/s

95th percentile per-packet one-way delay: 59.813 ms

Loss rate: 0.00%

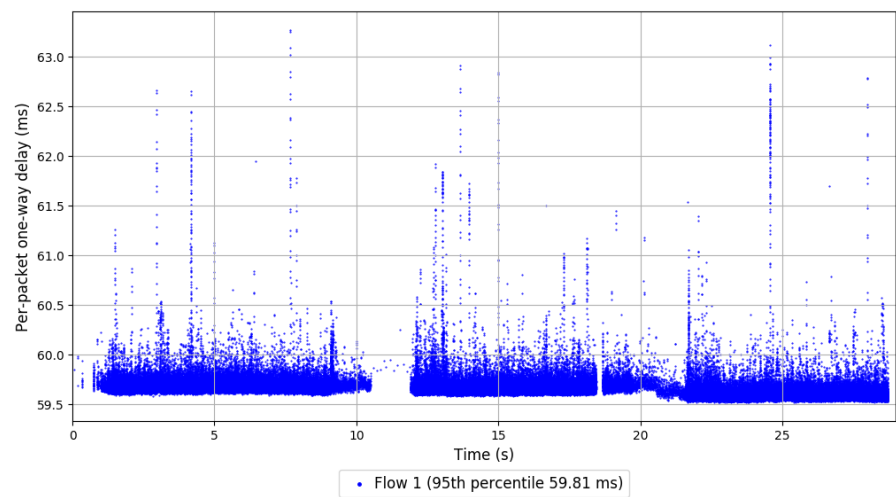
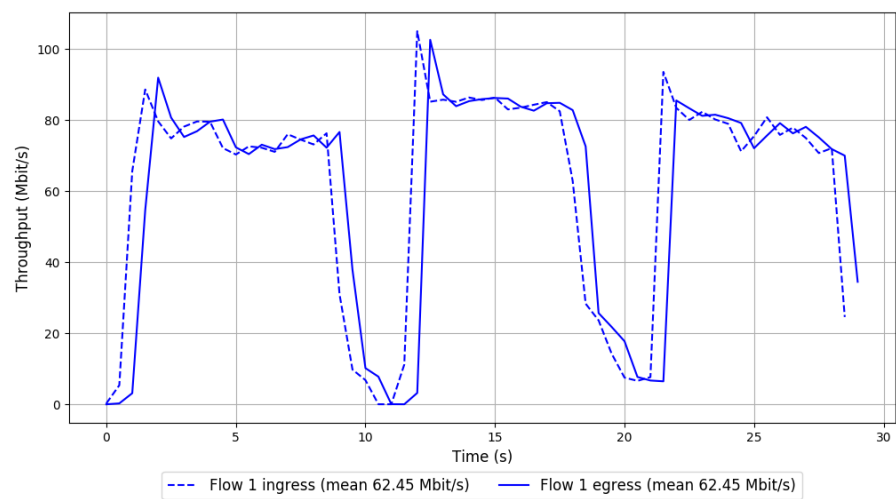
-- Flow 1:

Average throughput: 62.45 Mbit/s

95th percentile per-packet one-way delay: 59.813 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

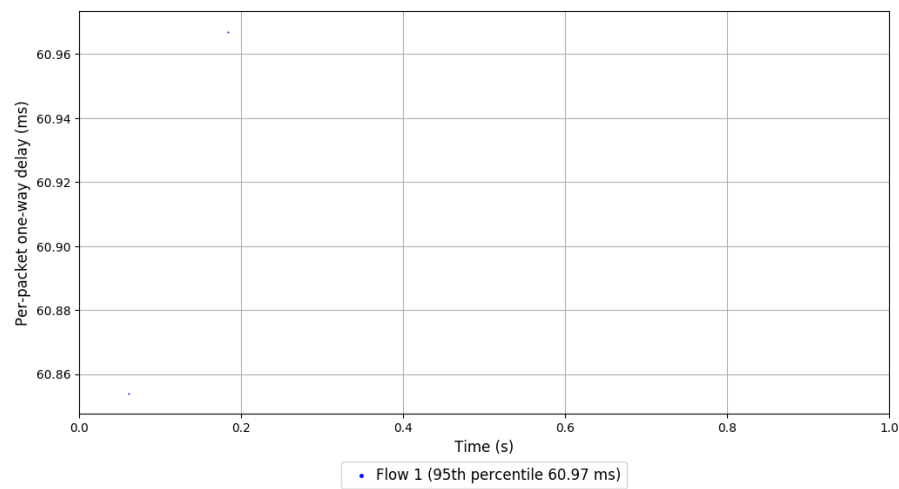
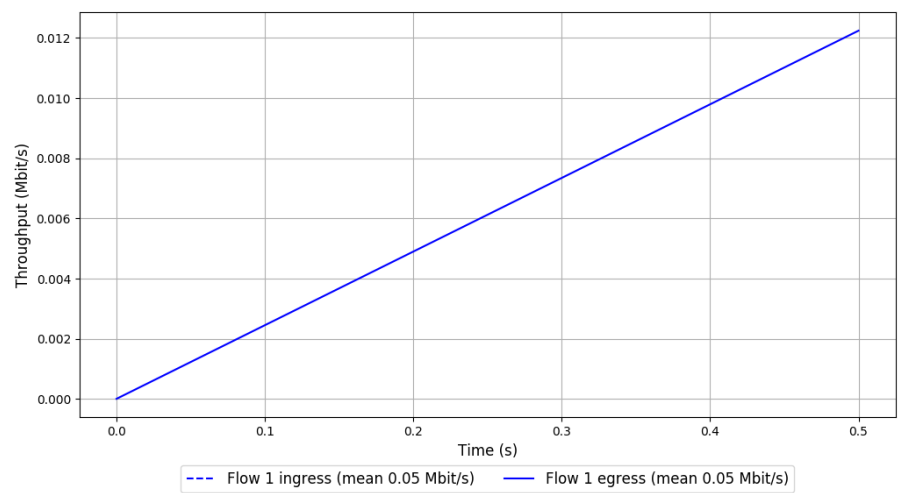
Start at: 2018-07-18 23:21:08

End at: 2018-07-18 23:21:38

Local clock offset: -0.003 ms

Remote clock offset: -0.22 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

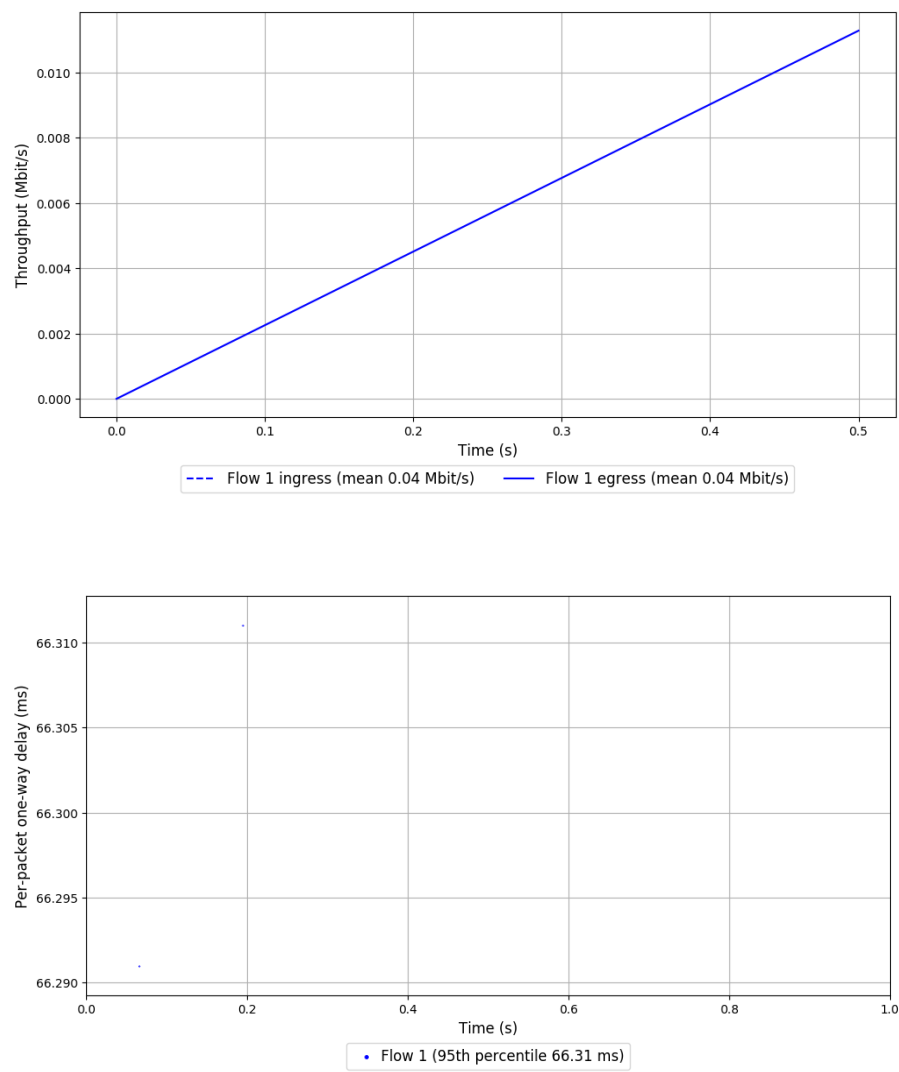
Start at: 2018-07-18 23:42:41

End at: 2018-07-18 23:43:11

Local clock offset: -0.044 ms

Remote clock offset: -0.302 ms

Run 3: Report of QUIC Cubic — Data Link

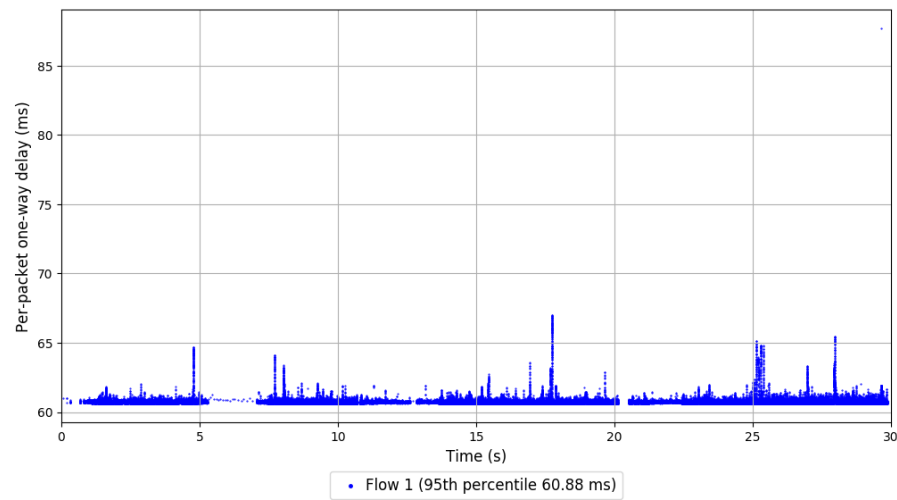
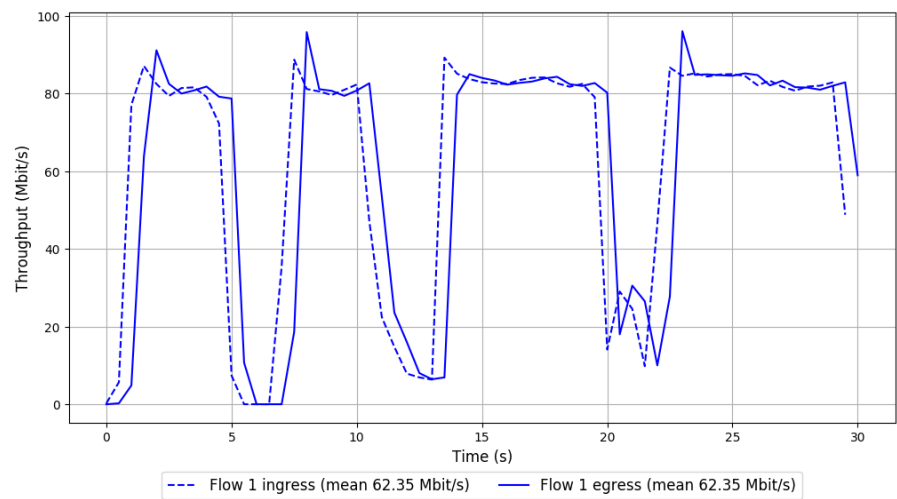


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-19 00:04:17
End at: 2018-07-19 00:04:47
Local clock offset: -0.034 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 60.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 60.879 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

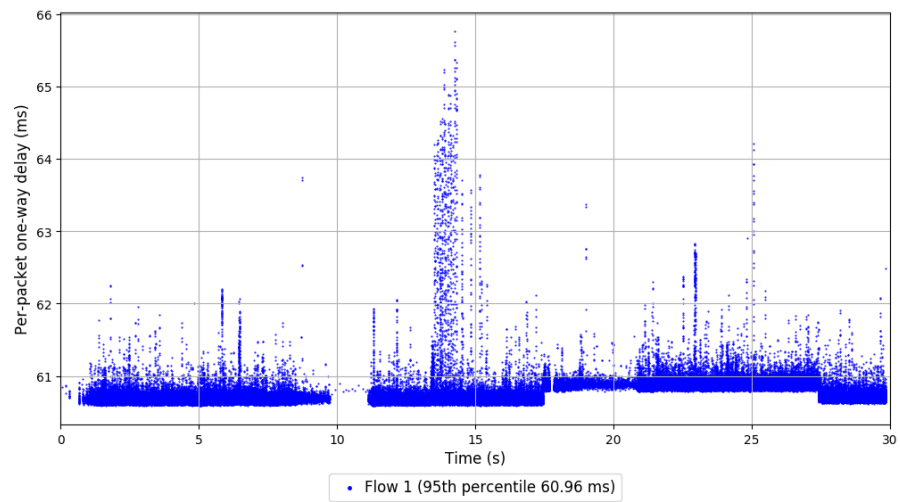
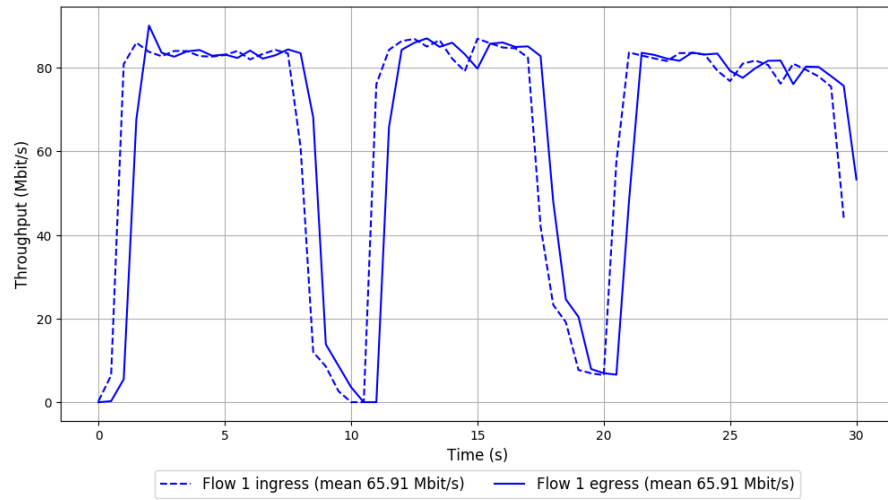


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-19 00:25:37
End at: 2018-07-19 00:26:07
Local clock offset: -0.017 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 60.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 60.959 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

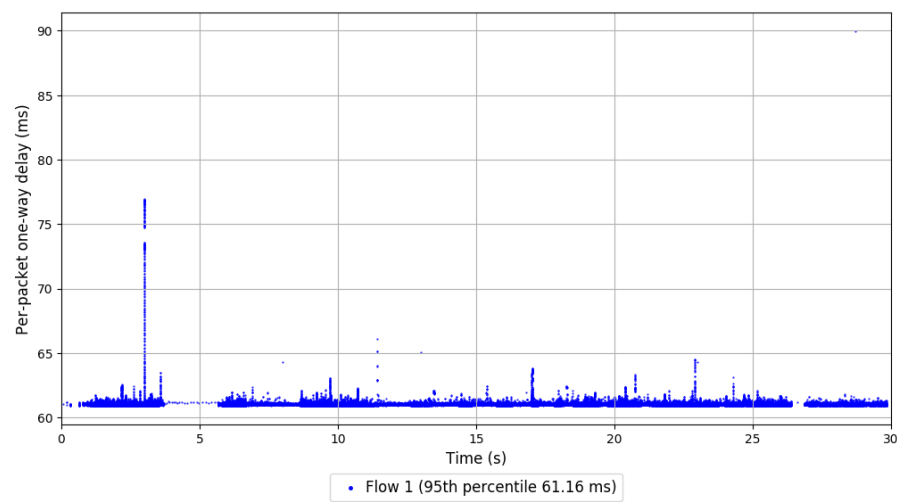
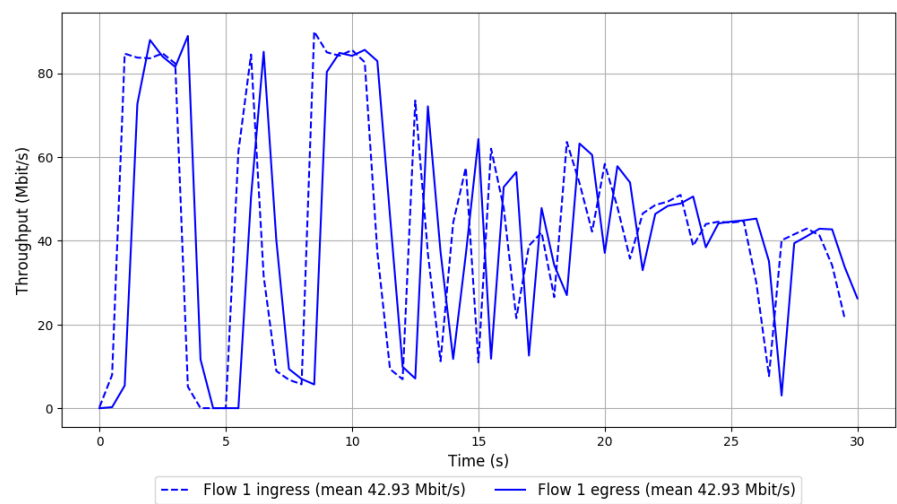


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-19 00:47:20
End at: 2018-07-19 00:47:50
Local clock offset: -0.082 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 61.157 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 61.157 ms
Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-19 01:09:14

End at: 2018-07-19 01:09:44

Local clock offset: -0.054 ms

Remote clock offset: 1.286 ms

Below is generated by plot.py at 2018-07-19 03:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.48 Mbit/s

95th percentile per-packet one-way delay: 62.340 ms

Loss rate: 0.00%

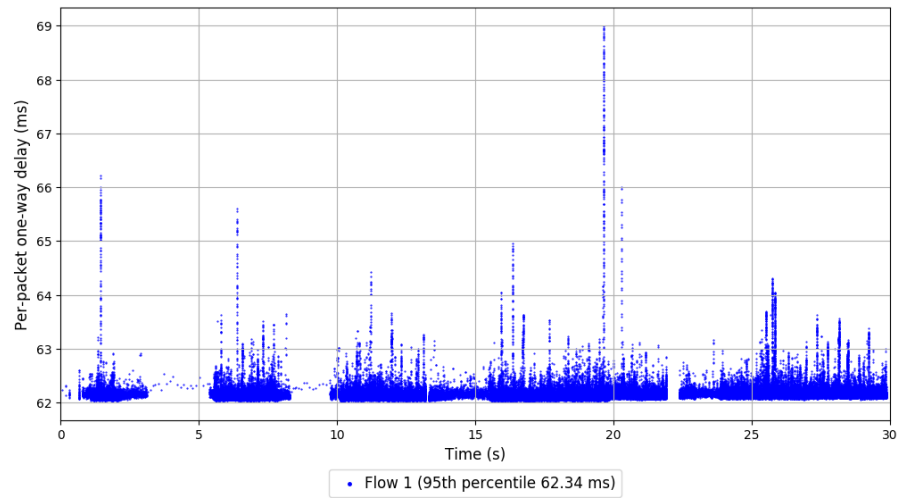
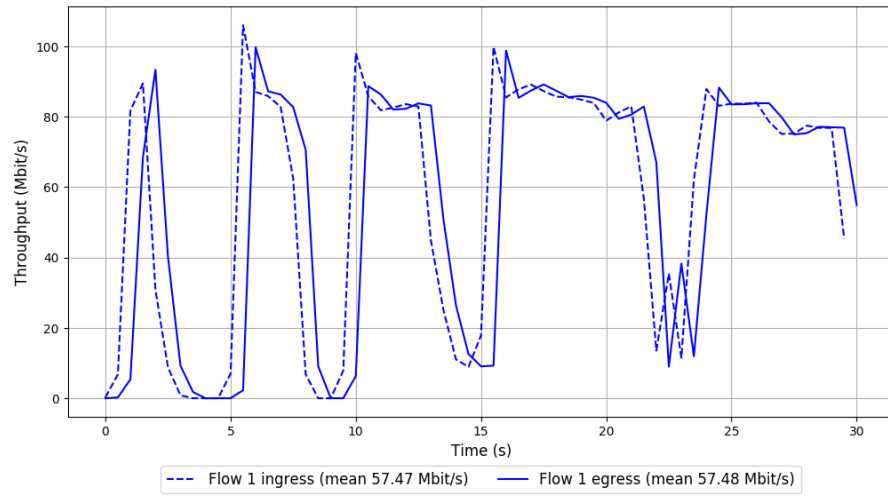
-- Flow 1:

Average throughput: 57.48 Mbit/s

95th percentile per-packet one-way delay: 62.340 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

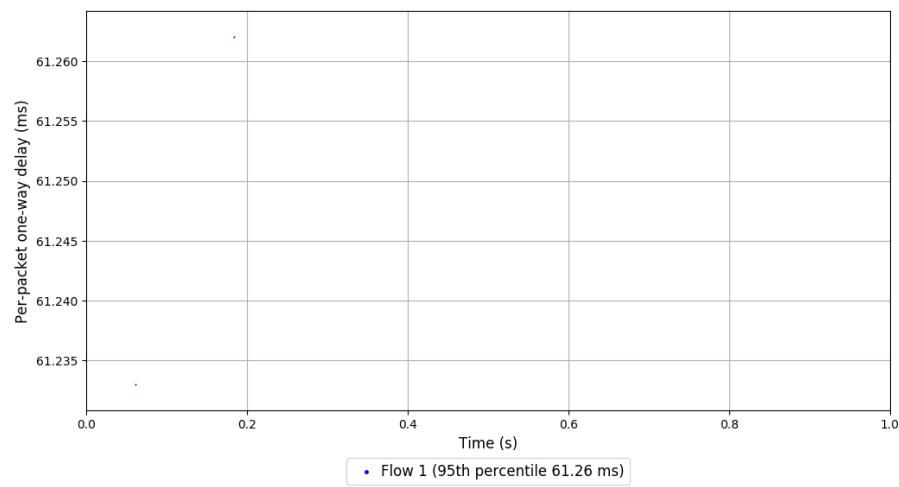
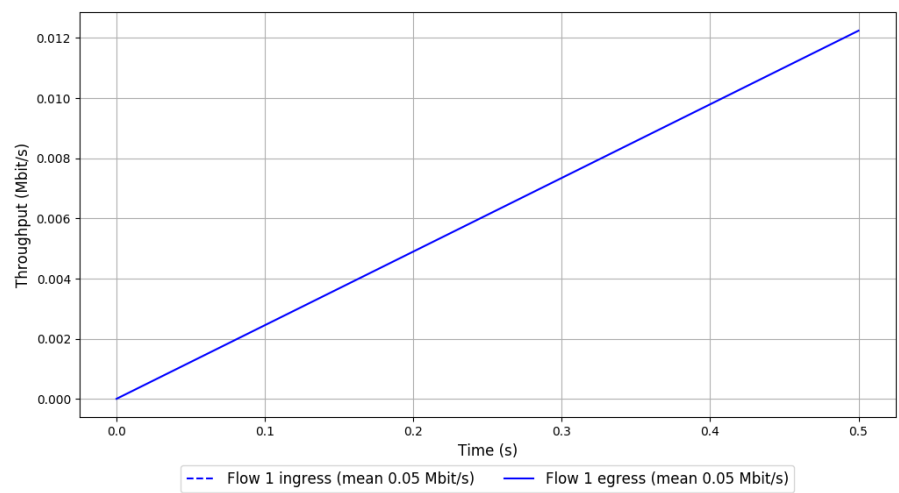
Start at: 2018-07-19 01:30:57

End at: 2018-07-19 01:31:28

Local clock offset: 0.011 ms

Remote clock offset: 0.015 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

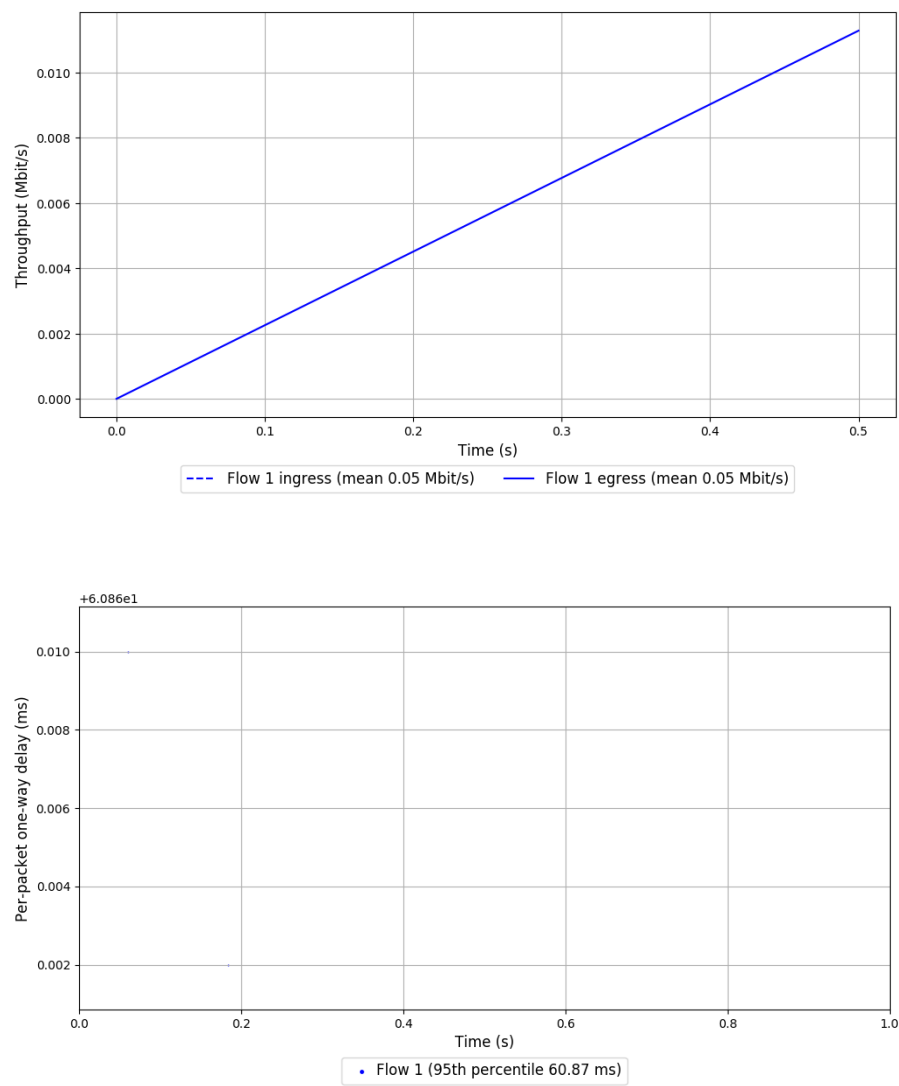
Start at: 2018-07-19 01:52:38

End at: 2018-07-19 01:53:08

Local clock offset: -0.004 ms

Remote clock offset: -0.396 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-19 02:14:24

End at: 2018-07-19 02:14:54

Local clock offset: -0.016 ms

Remote clock offset: 1.506 ms

Below is generated by plot.py at 2018-07-19 03:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.71 Mbit/s

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

Loss rate: 0.00%

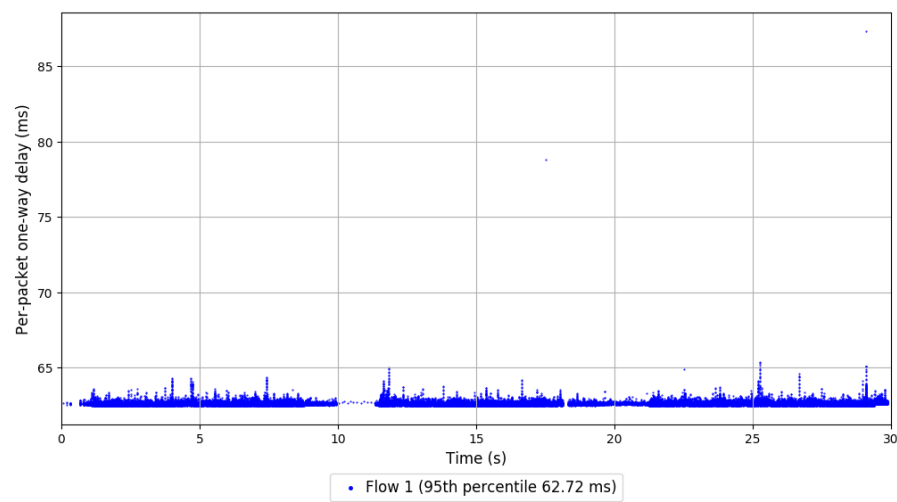
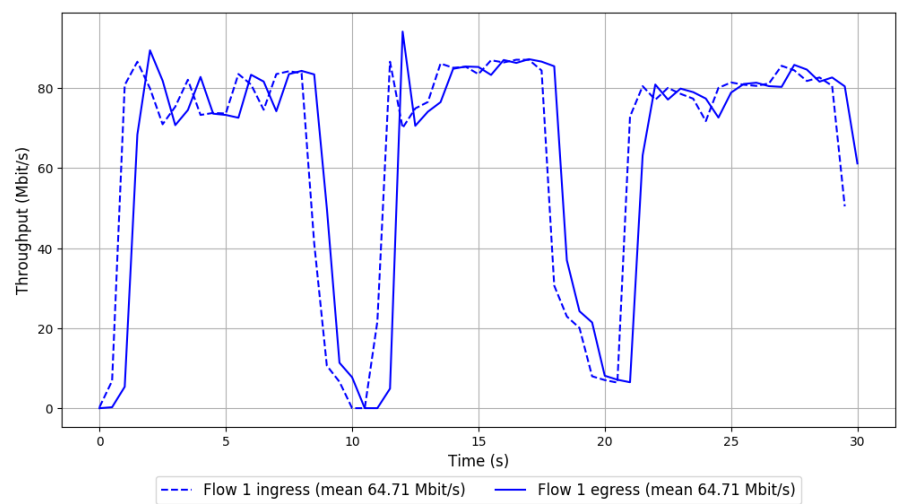
-- Flow 1:

Average throughput: 64.71 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

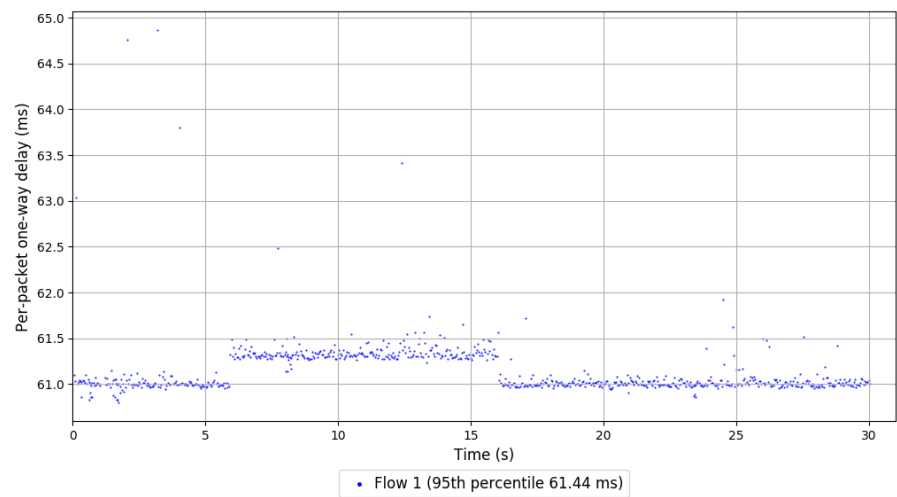
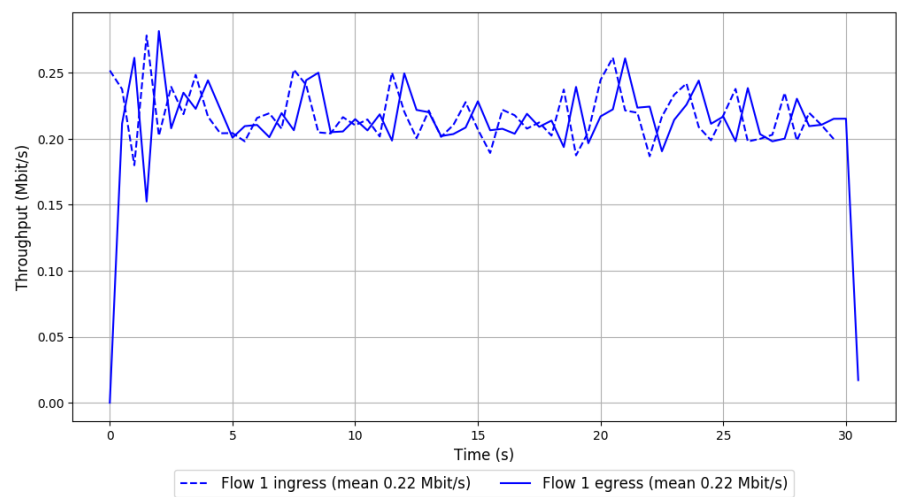


```
Run 1: Statistics of SCReAM

Start at: 2018-07-18 22:52:28
End at: 2018-07-18 22:52:58
Local clock offset: -0.02 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2018-07-19 03:52:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.440 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

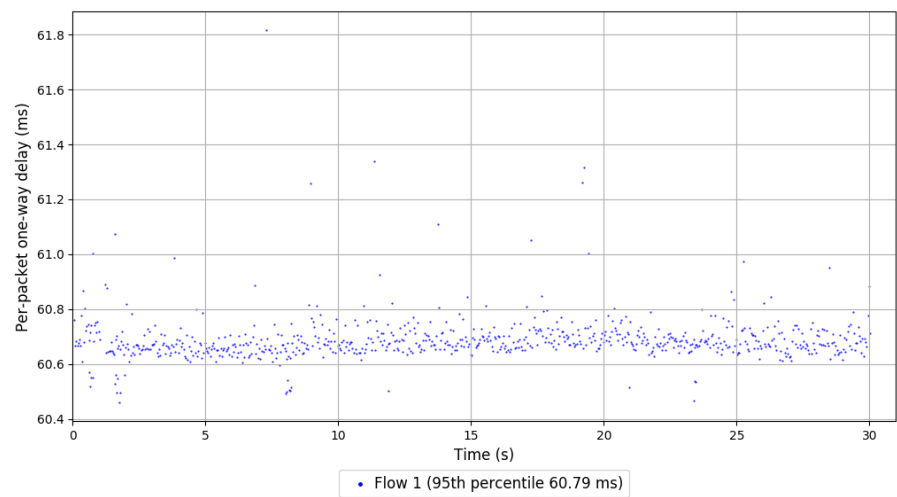
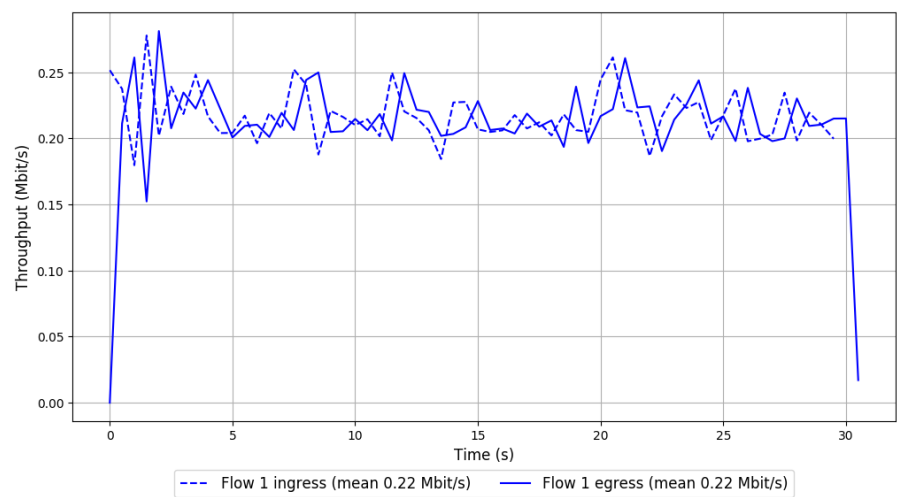


Run 2: Statistics of SCReAM

Start at: 2018-07-18 23:13:53
End at: 2018-07-18 23:14:23
Local clock offset: -0.008 ms
Remote clock offset: -0.375 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.791 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

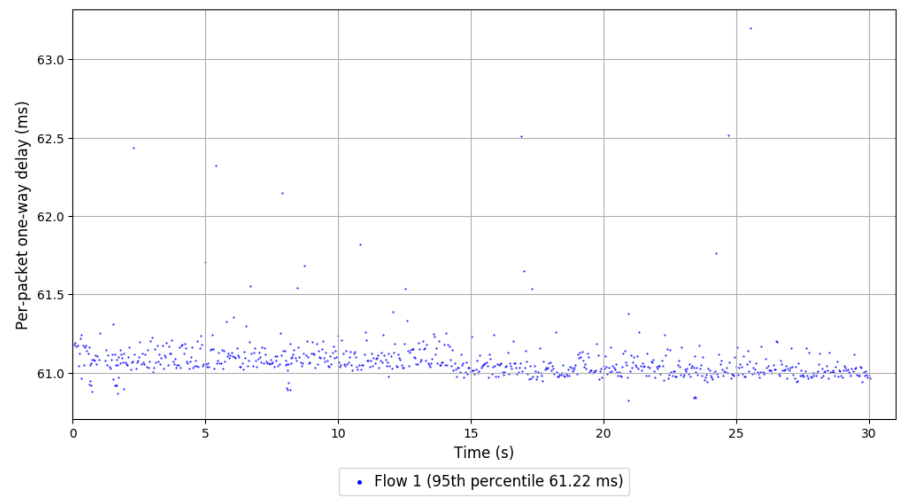
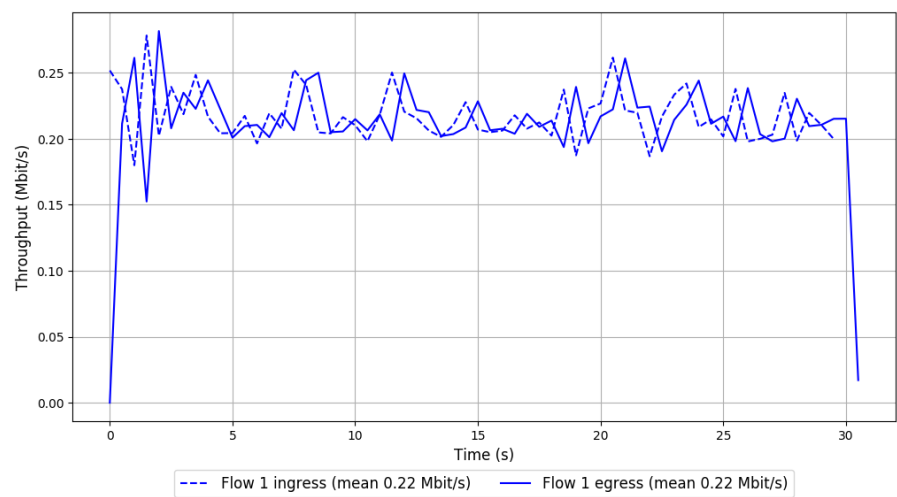


Run 3: Statistics of SCReAM

Start at: 2018-07-18 23:35:29
End at: 2018-07-18 23:35:59
Local clock offset: -0.039 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.224 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-18 23:57:07

End at: 2018-07-18 23:57:37

Local clock offset: -0.048 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-07-19 03:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.593 ms

Loss rate: 0.00%

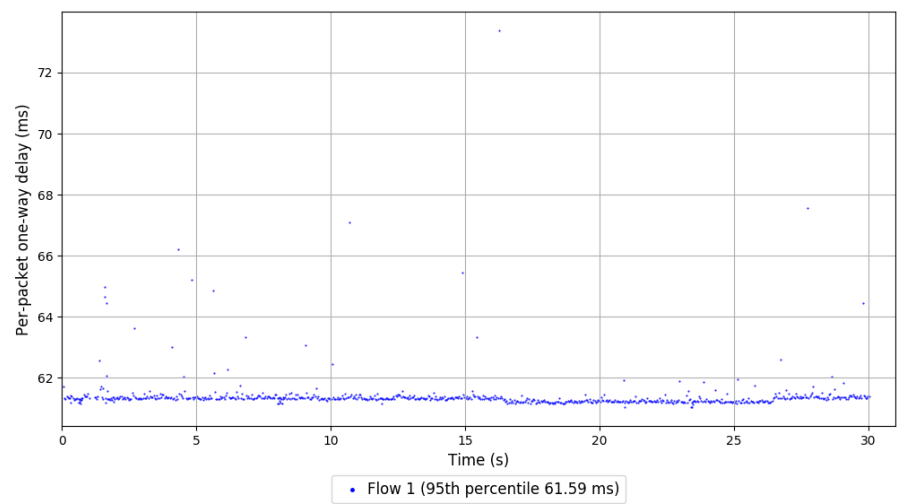
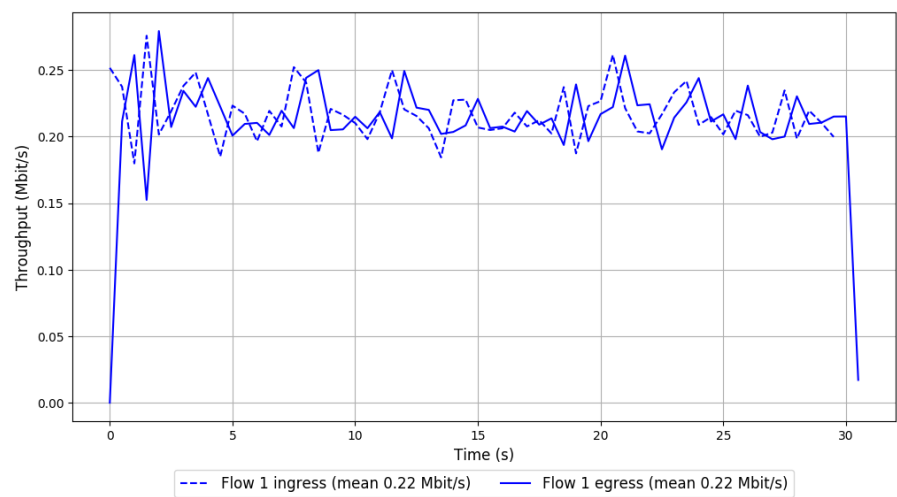
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.593 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

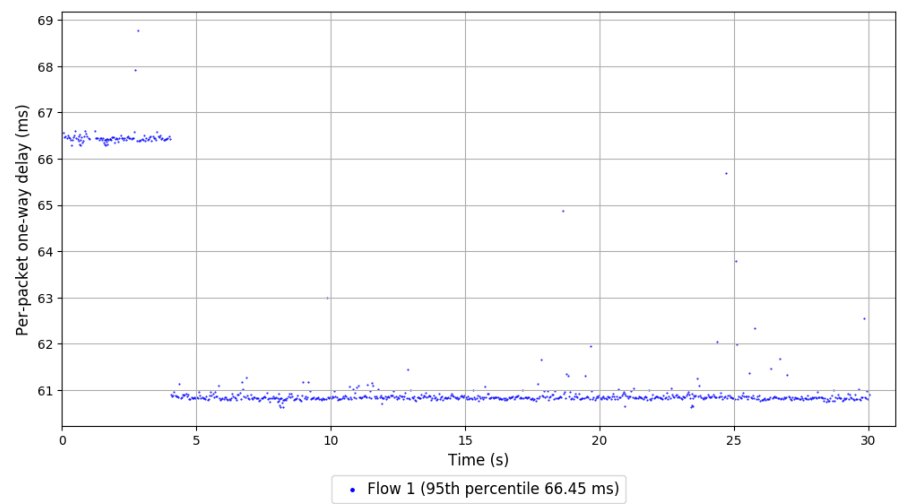
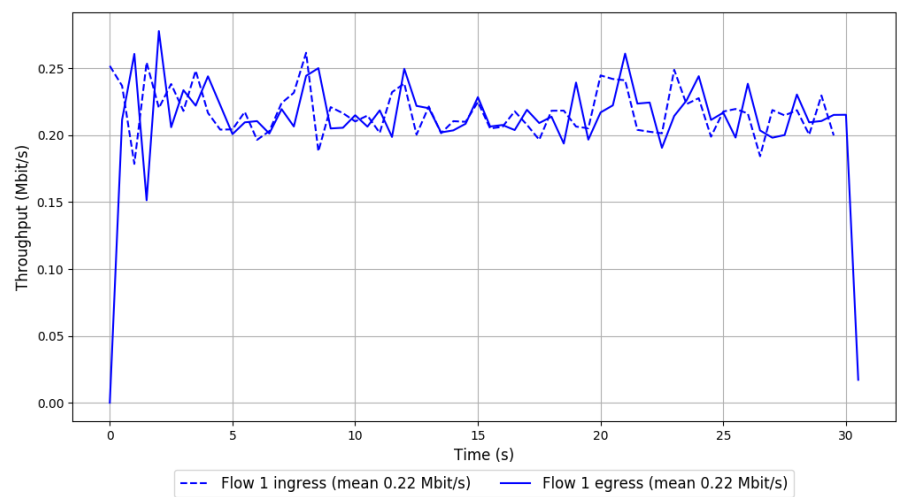


Run 5: Statistics of SCReAM

Start at: 2018-07-19 00:18:40
End at: 2018-07-19 00:19:10
Local clock offset: -0.074 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.452 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

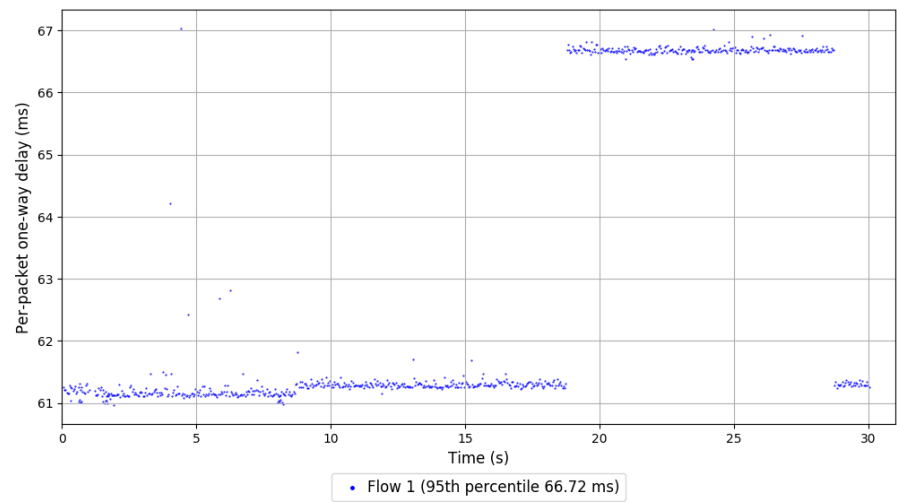
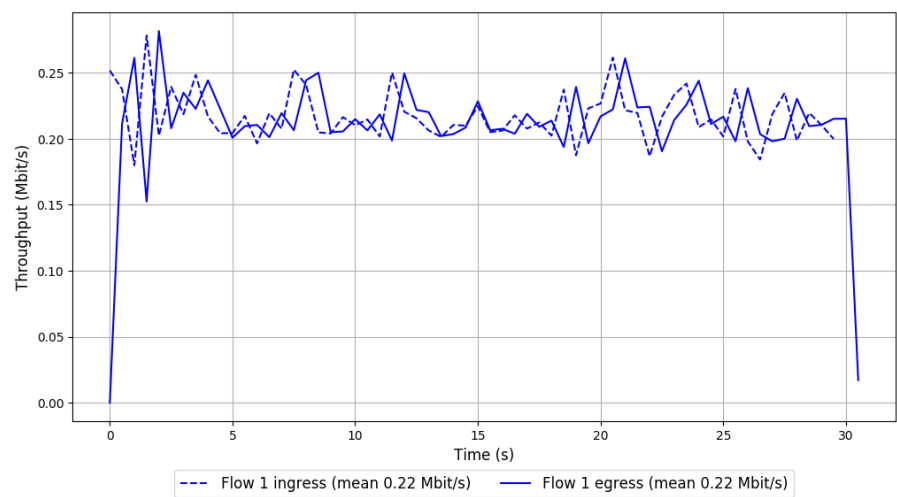


Run 6: Statistics of SCReAM

Start at: 2018-07-19 00:40:05
End at: 2018-07-19 00:40:35
Local clock offset: -0.073 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.719 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-19 01:01:56

End at: 2018-07-19 01:02:26

Local clock offset: -0.062 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-19 03:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.424 ms

Loss rate: 0.00%

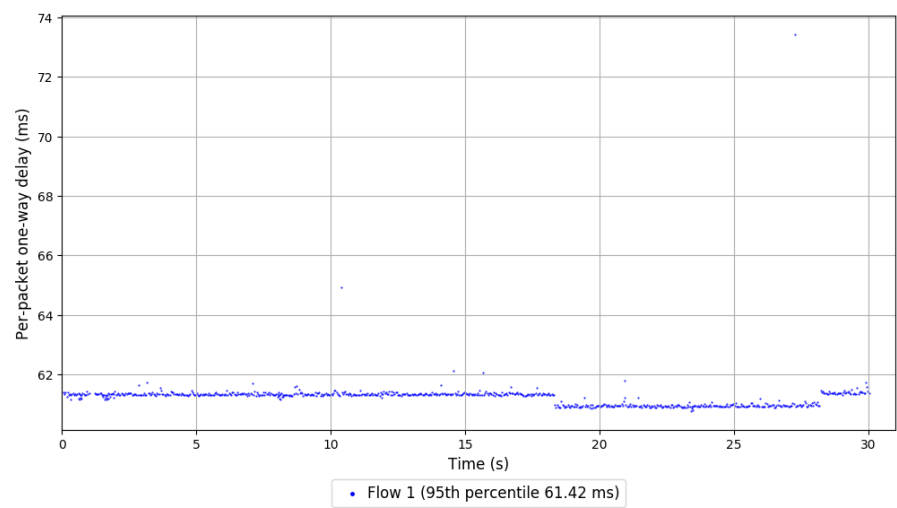
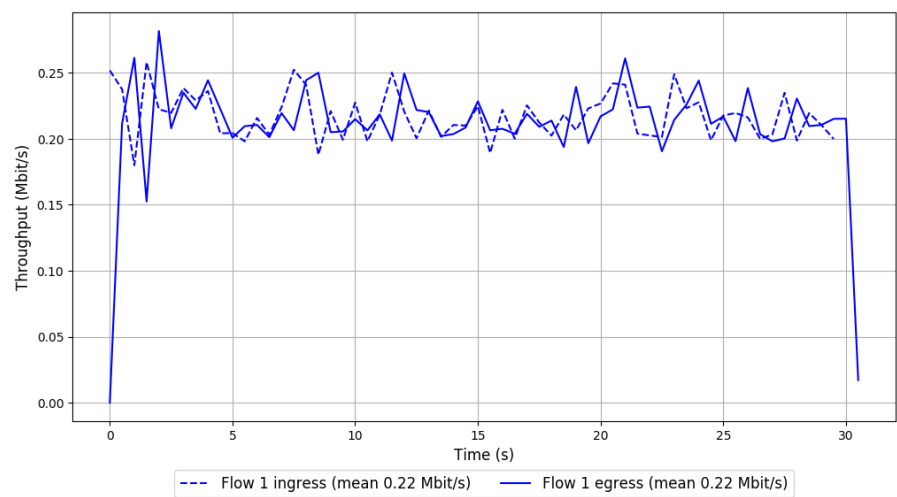
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.424 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

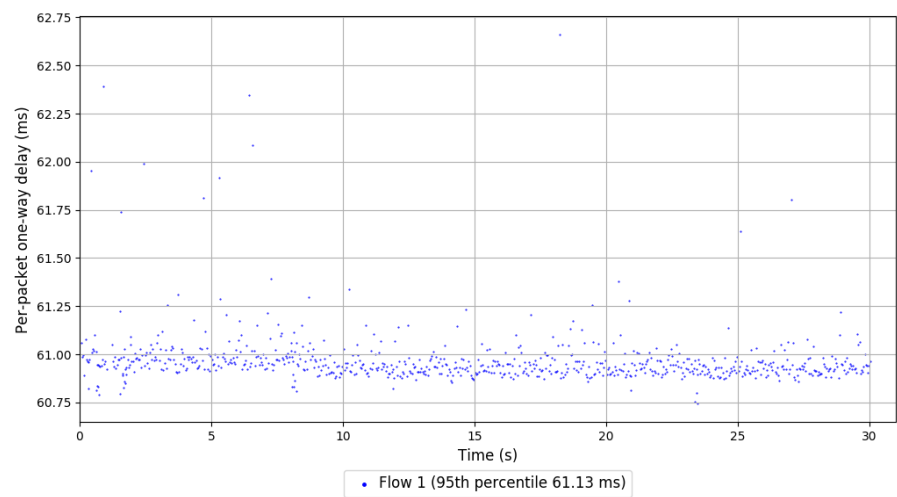
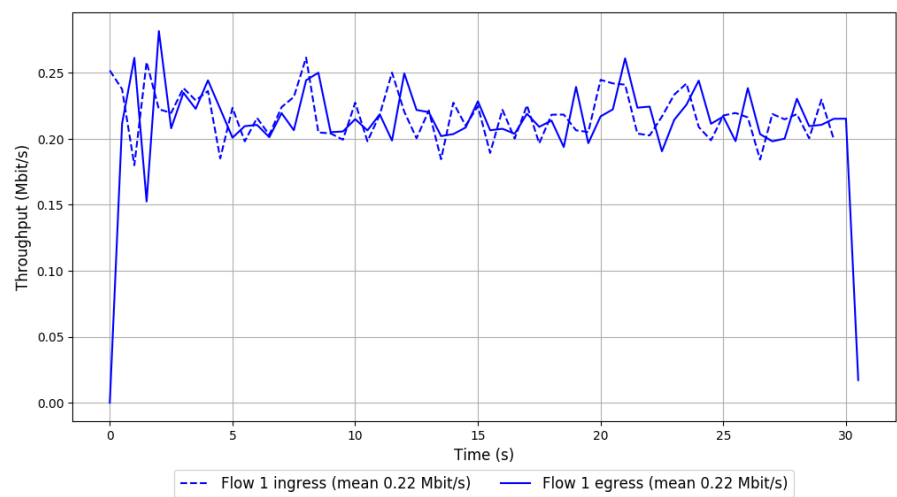


Run 8: Statistics of SCReAM

Start at: 2018-07-19 01:23:45
End at: 2018-07-19 01:24:15
Local clock offset: -0.018 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.128 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

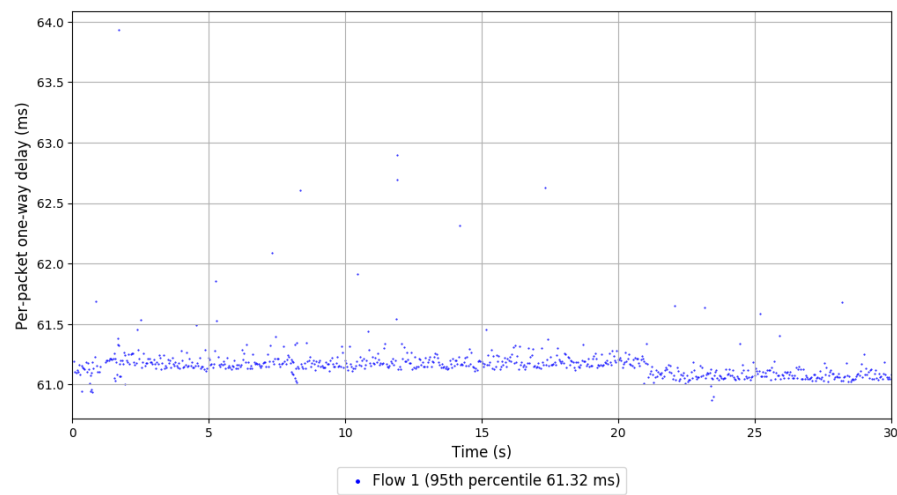
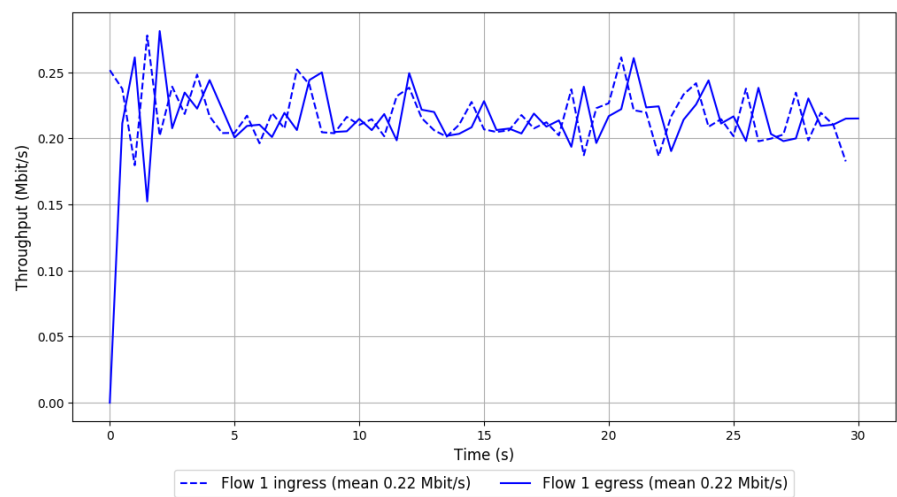


Run 9: Statistics of SReAM

Start at: 2018-07-19 01:45:23
End at: 2018-07-19 01:45:53
Local clock offset: 0.03 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.319 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-19 02:07:07

End at: 2018-07-19 02:07:37

Local clock offset: 0.007 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-19 03:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.197 ms

Loss rate: 0.00%

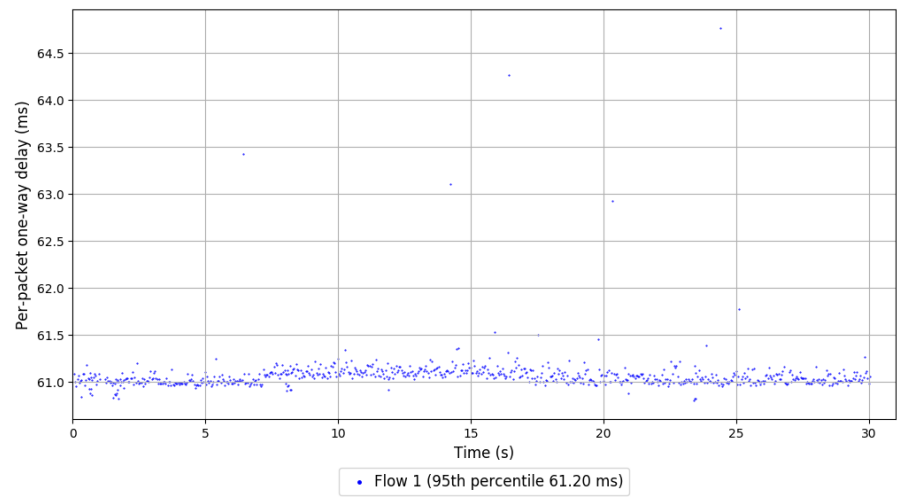
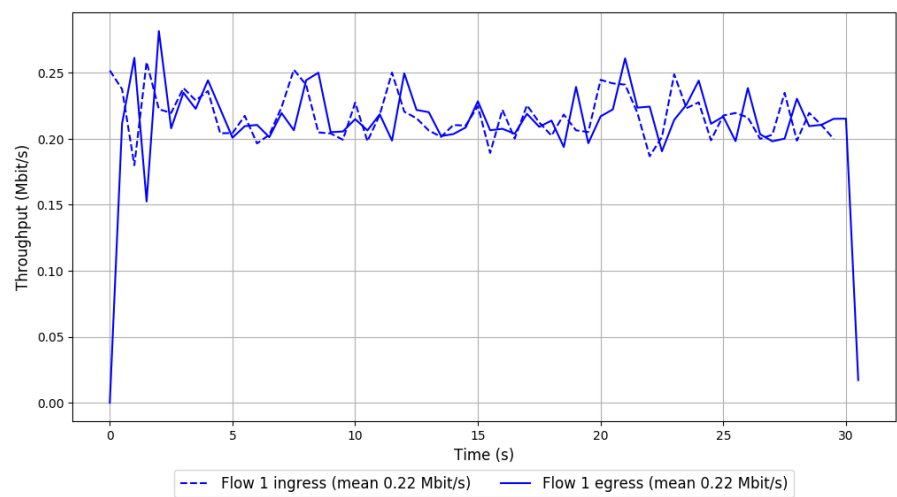
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.197 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-18 22:53:33

End at: 2018-07-18 22:54:03

Local clock offset: 0.026 ms

Remote clock offset: 0.285 ms

Below is generated by plot.py at 2018-07-19 03:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 61.820 ms

Loss rate: 0.00%

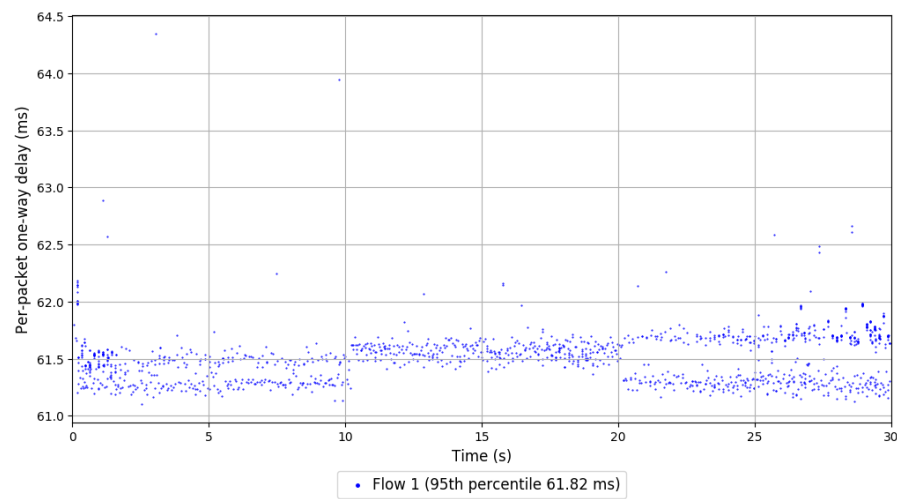
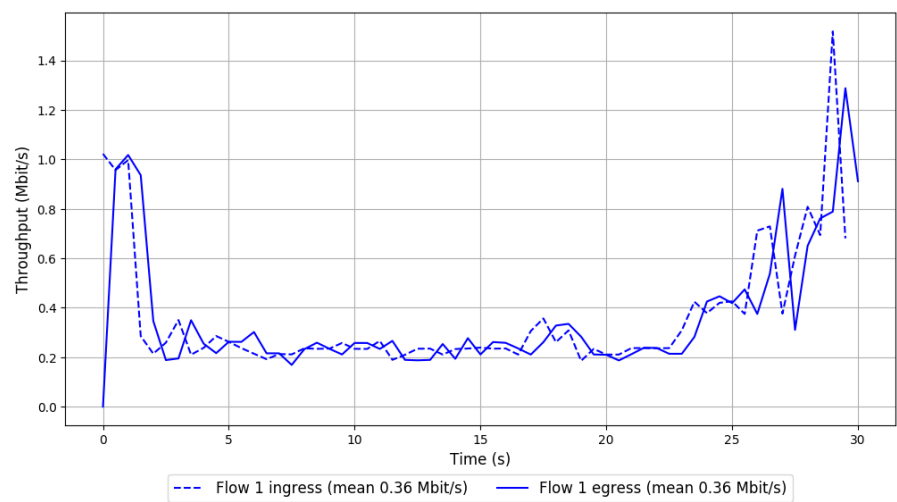
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 61.820 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

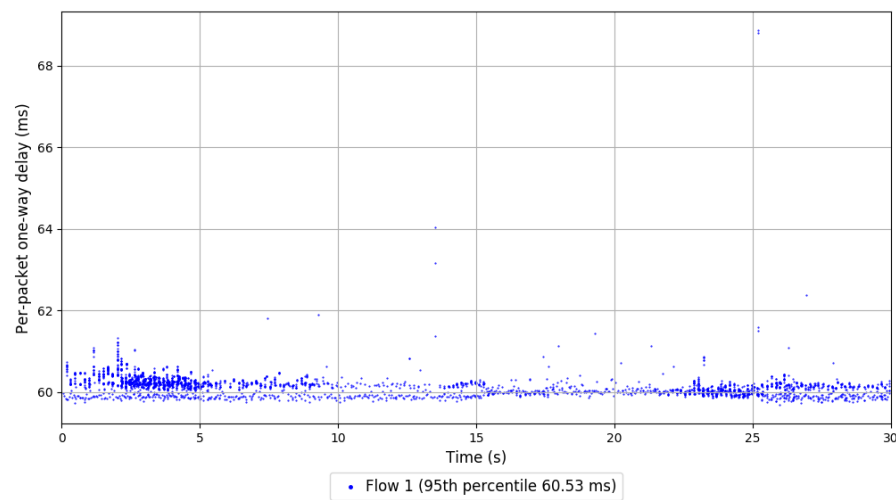
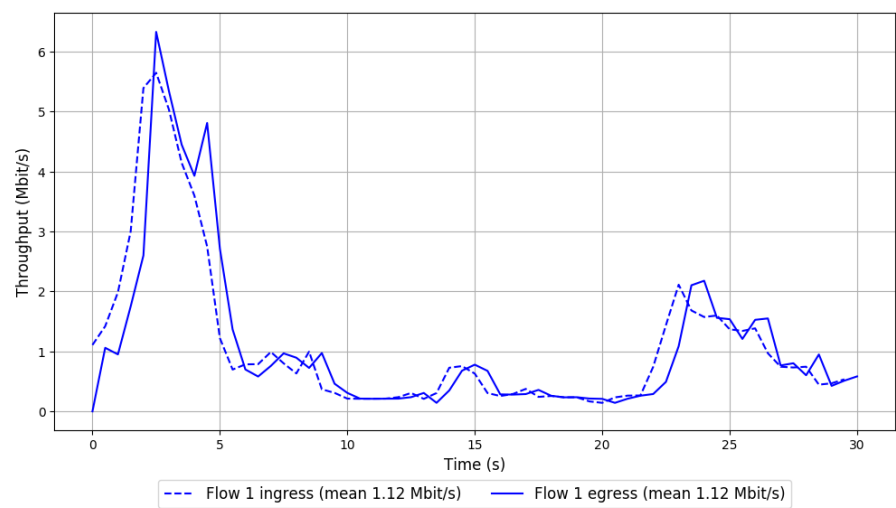


Run 2: Statistics of Sprout

Start at: 2018-07-18 23:14:58
End at: 2018-07-18 23:15:28
Local clock offset: -0.023 ms
Remote clock offset: -1.111 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 60.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 60.529 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

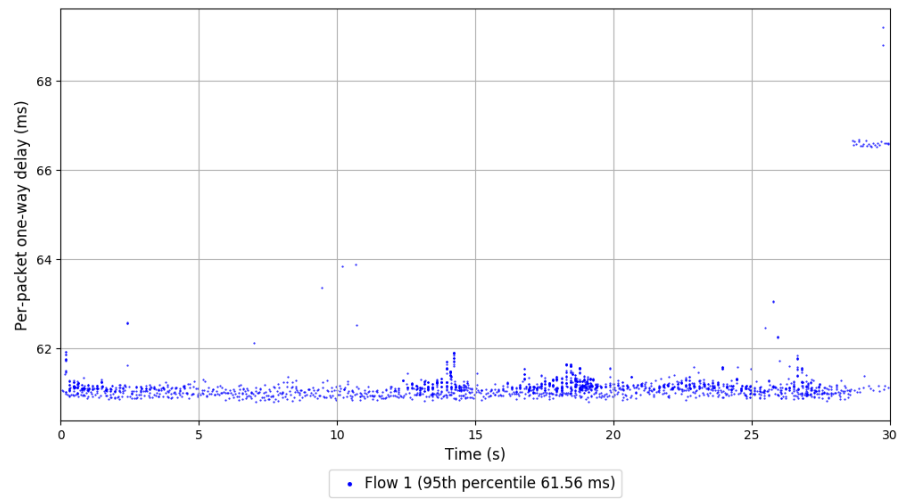
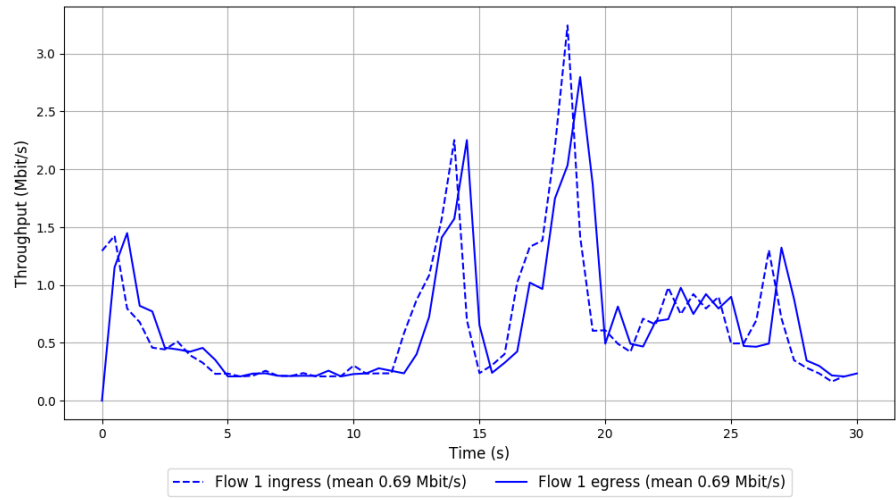


Run 3: Statistics of Sprout

Start at: 2018-07-18 23:36:35
End at: 2018-07-18 23:37:05
Local clock offset: -0.033 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 61.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 61.564 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

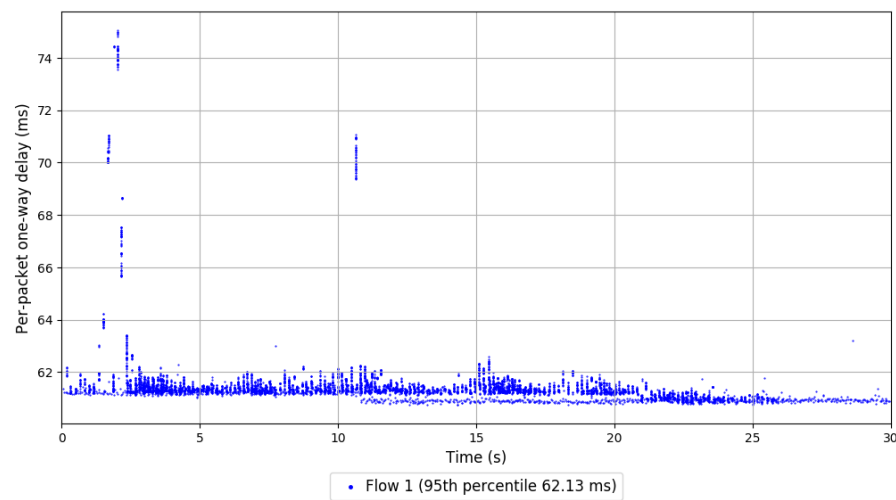
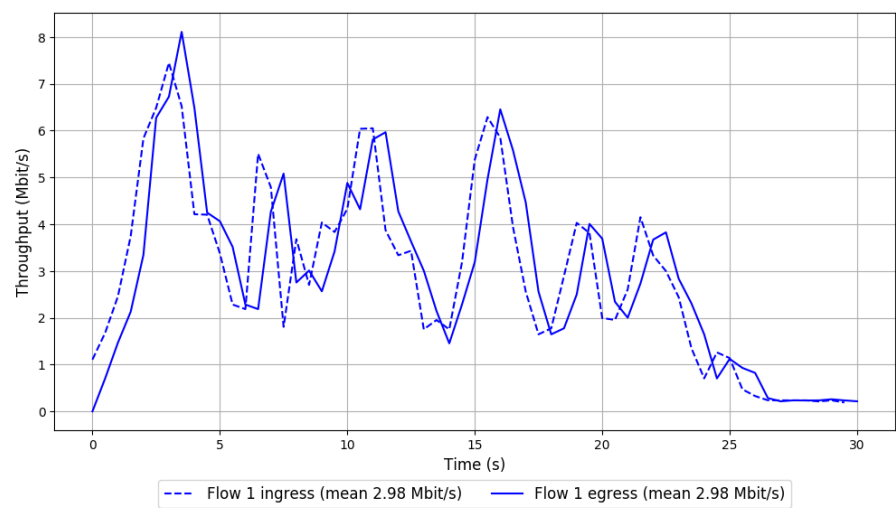


Run 4: Statistics of Sprout

Start at: 2018-07-18 23:58:13
End at: 2018-07-18 23:58:43
Local clock offset: -0.033 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 62.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 62.131 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

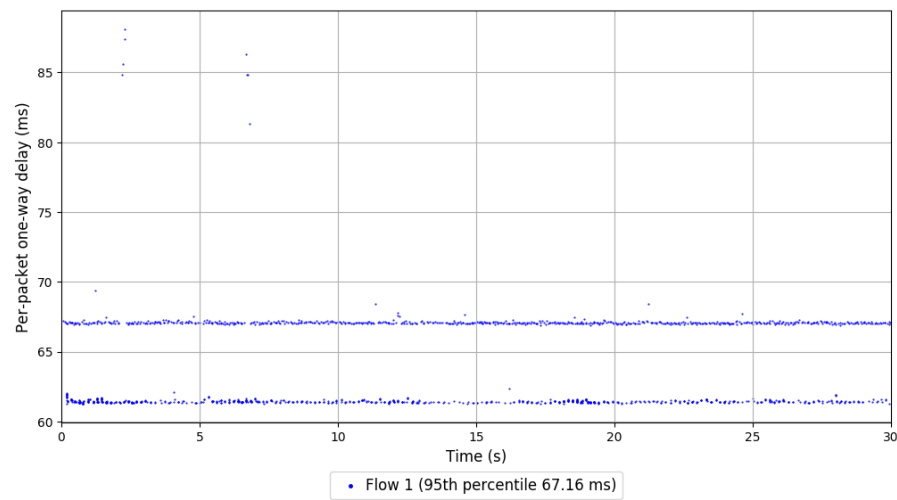
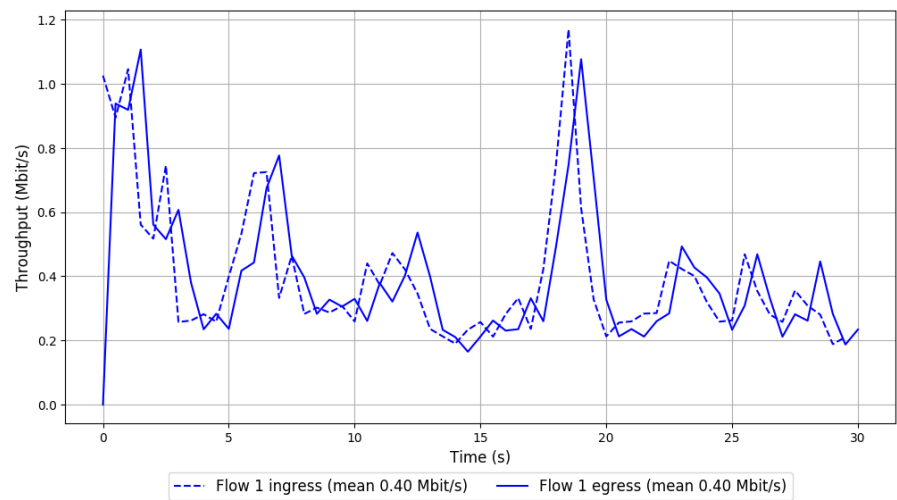


Run 5: Statistics of Sprout

Start at: 2018-07-19 00:19:46
End at: 2018-07-19 00:20:16
Local clock offset: -0.136 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 67.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 67.162 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

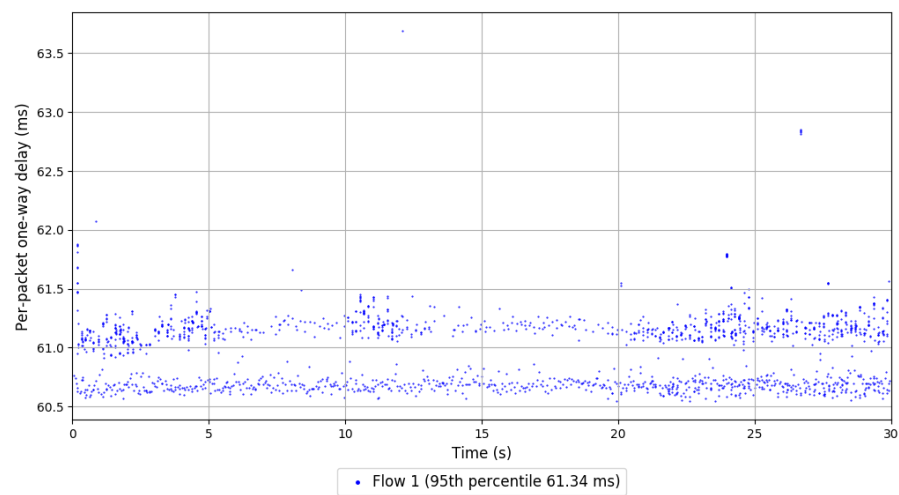
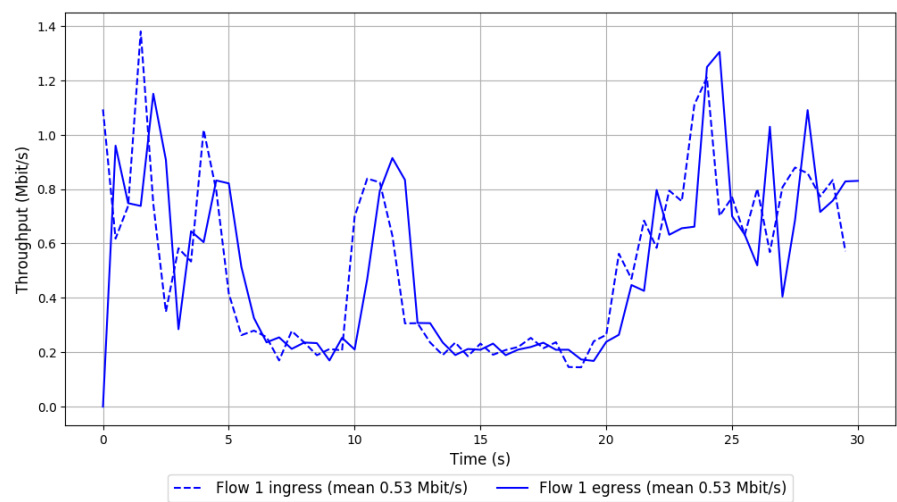


Run 6: Statistics of Sprout

Start at: 2018-07-19 00:41:11
End at: 2018-07-19 00:41:41
Local clock offset: -0.082 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.337 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.337 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

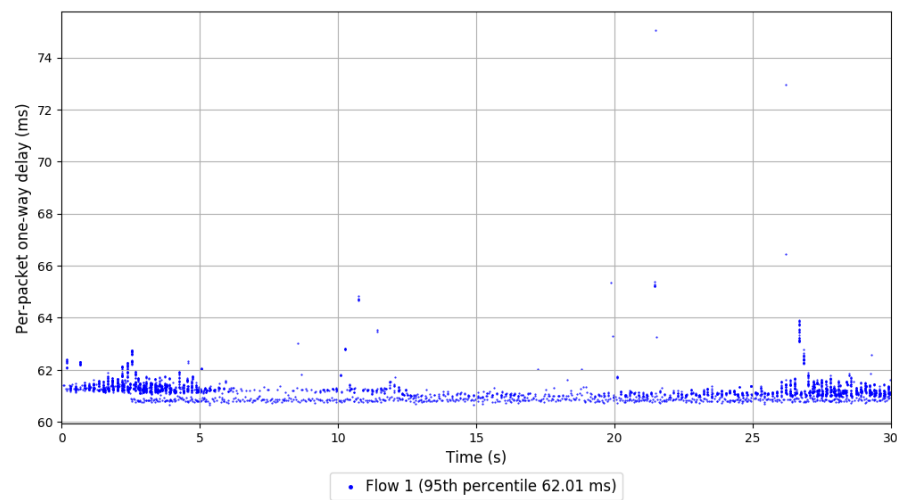
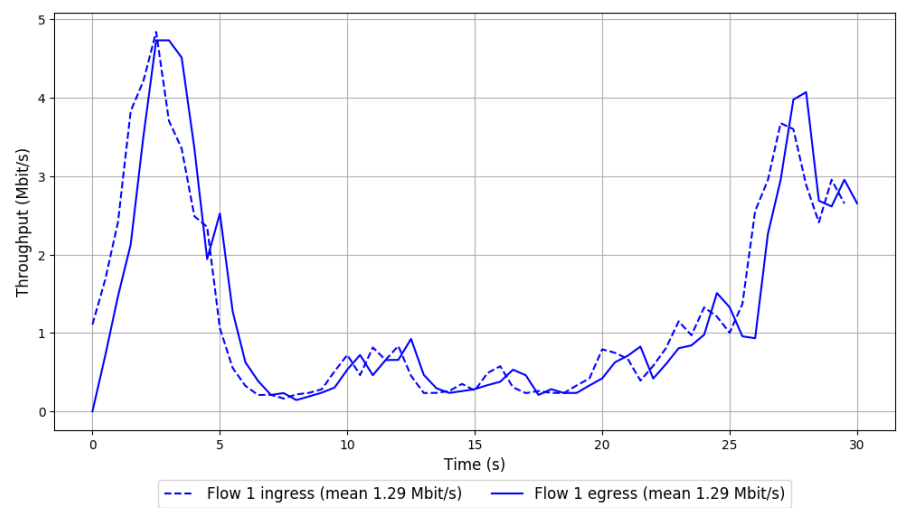


Run 7: Statistics of Sprout

Start at: 2018-07-19 01:03:02
End at: 2018-07-19 01:03:32
Local clock offset: -0.046 ms
Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 62.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 62.008 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

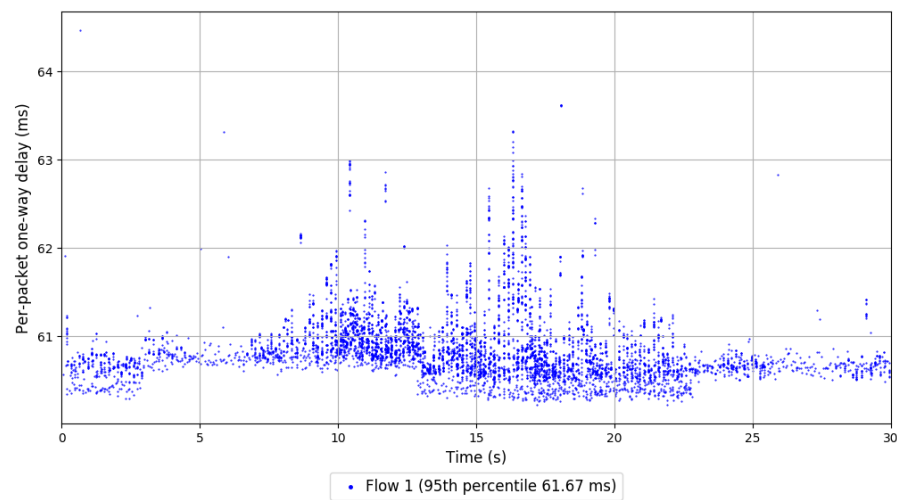
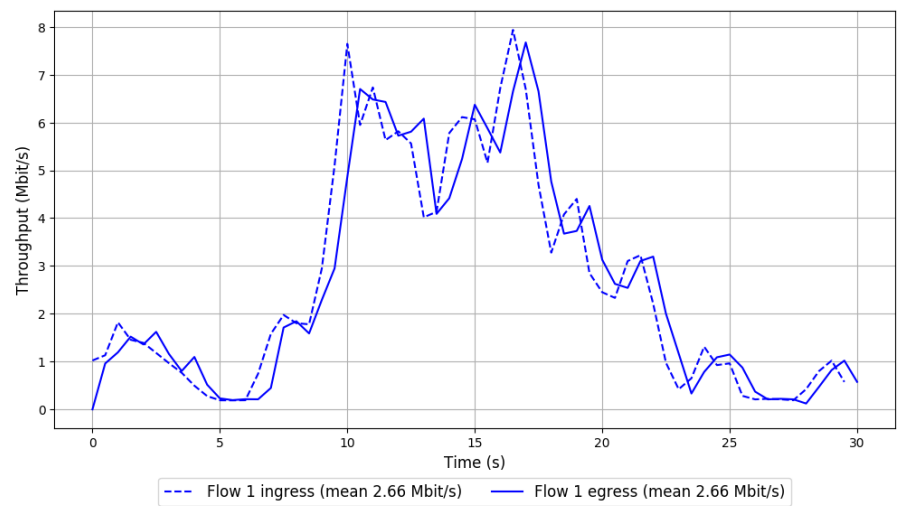


Run 8: Statistics of Sprout

Start at: 2018-07-19 01:24:51
End at: 2018-07-19 01:25:21
Local clock offset: -0.033 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 61.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 61.670 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

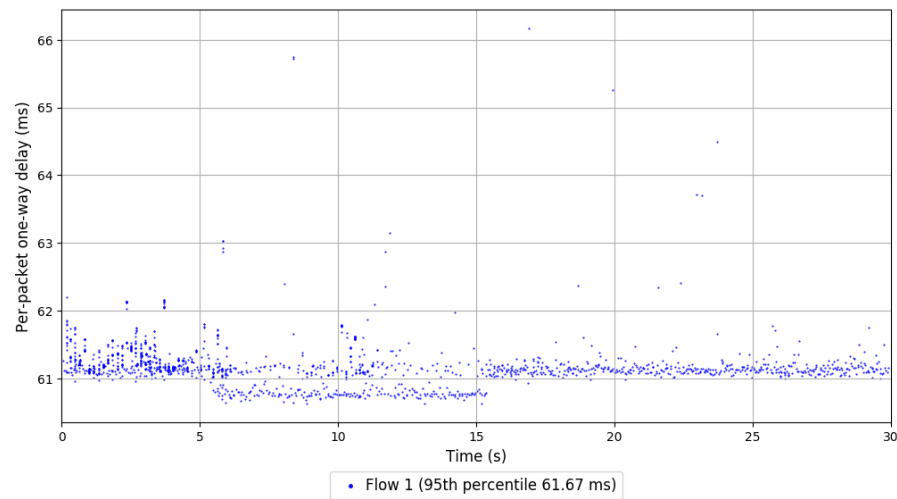
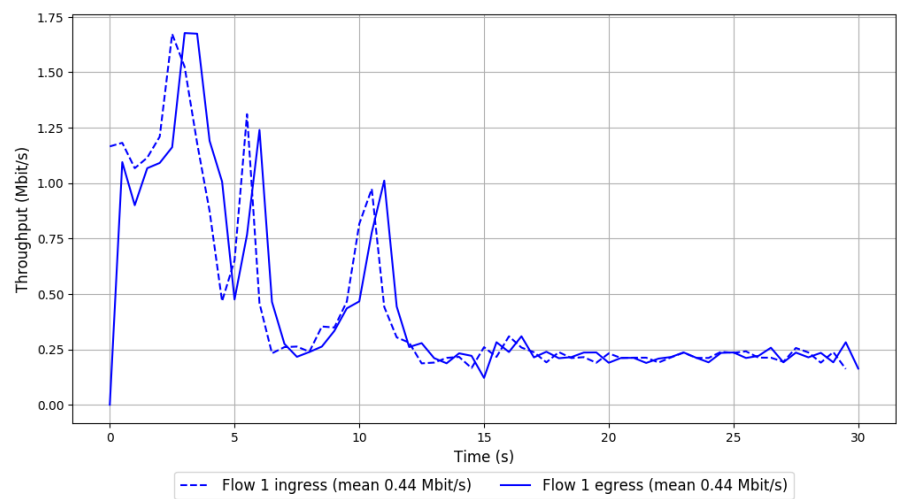


Run 9: Statistics of Sprout

Start at: 2018-07-19 01:46:29
End at: 2018-07-19 01:46:59
Local clock offset: -0.036 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.668 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

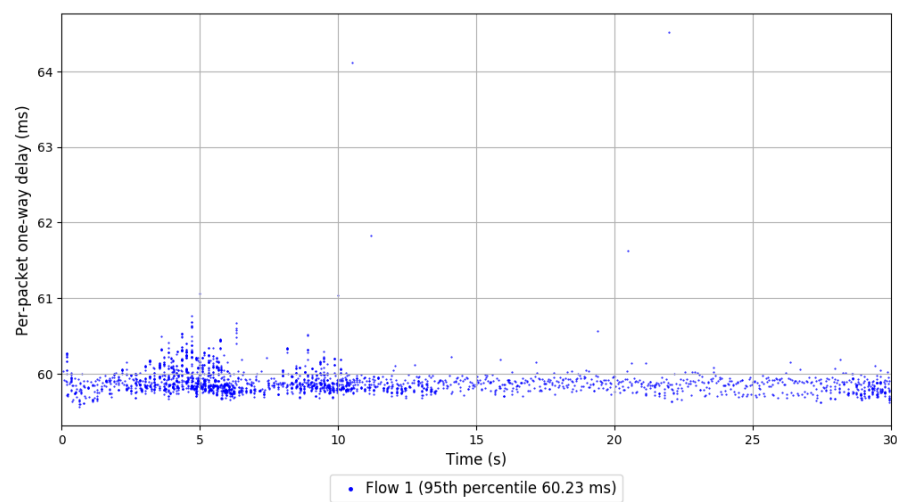
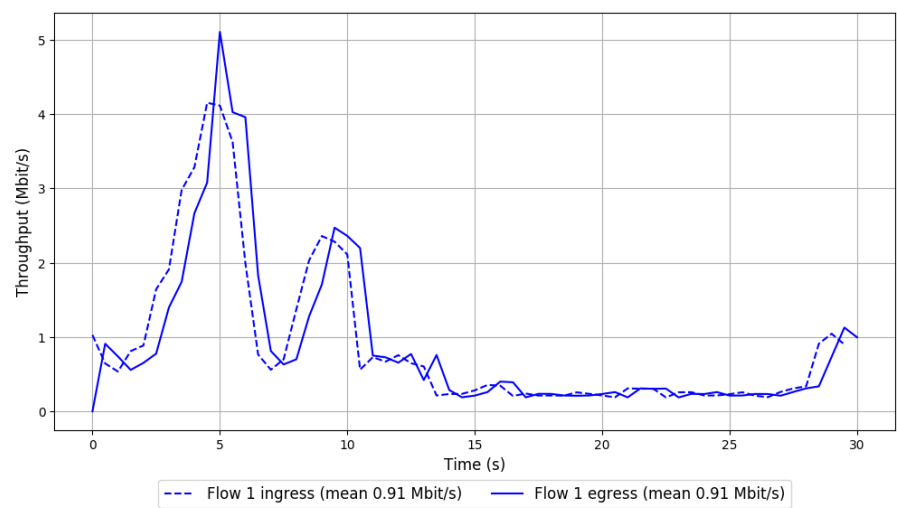


Run 10: Statistics of Sprout

Start at: 2018-07-19 02:08:13
End at: 2018-07-19 02:08:43
Local clock offset: -0.006 ms
Remote clock offset: -1.385 ms

Below is generated by plot.py at 2018-07-19 03:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 60.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 60.231 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

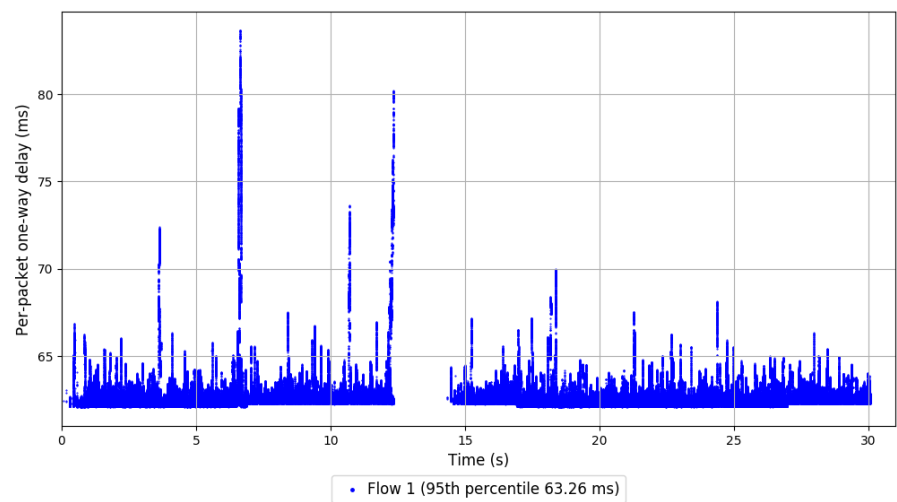
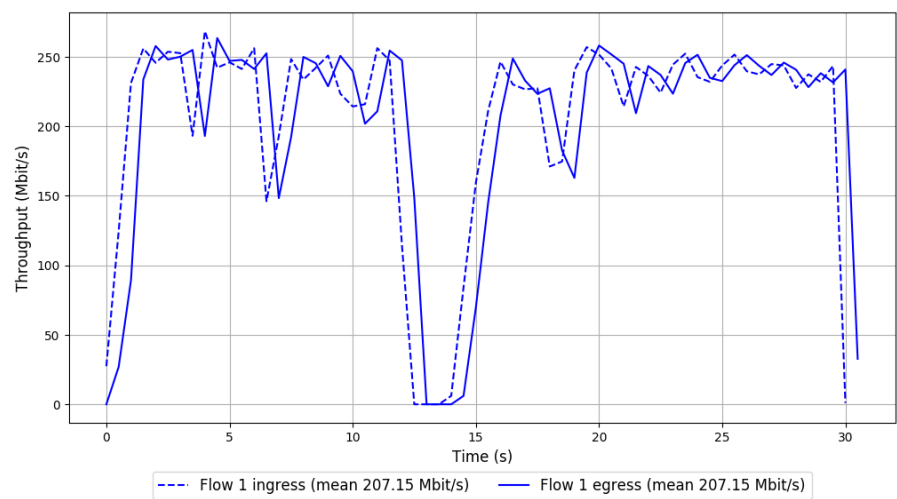


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 22:58:17
End at: 2018-07-18 22:58:47
Local clock offset: -0.03 ms
Remote clock offset: 1.206 ms

# Below is generated by plot.py at 2018-07-19 03:56:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.15 Mbit/s
95th percentile per-packet one-way delay: 63.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.15 Mbit/s
95th percentile per-packet one-way delay: 63.256 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 23:19:41

End at: 2018-07-18 23:20:11

Local clock offset: -0.018 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2018-07-19 03:56:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.61 Mbit/s

95th percentile per-packet one-way delay: 61.699 ms

Loss rate: 0.00%

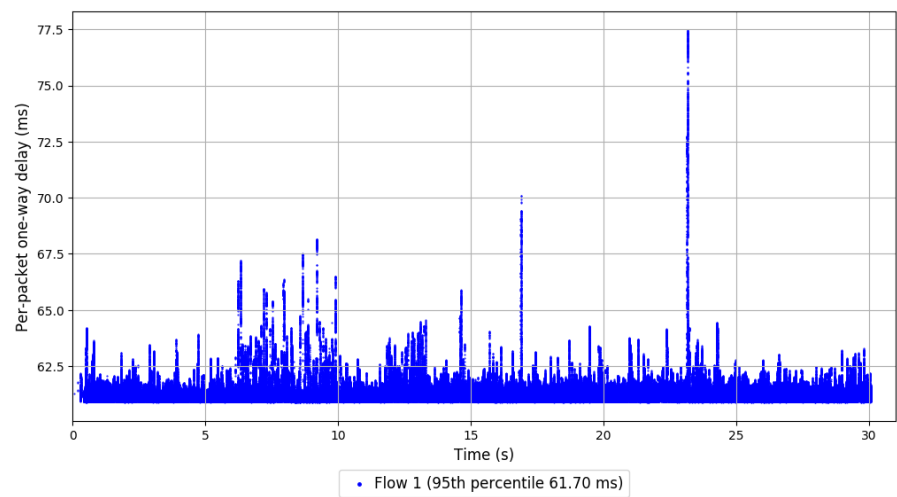
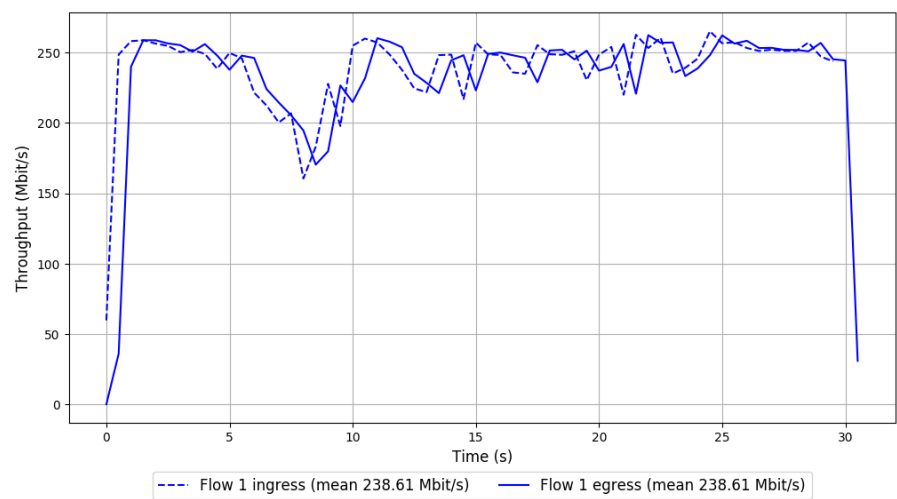
-- Flow 1:

Average throughput: 238.61 Mbit/s

95th percentile per-packet one-way delay: 61.699 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 23:41:14

End at: 2018-07-18 23:41:44

Local clock offset: 0.004 ms

Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-19 03:57:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.58 Mbit/s

95th percentile per-packet one-way delay: 61.359 ms

Loss rate: 0.00%

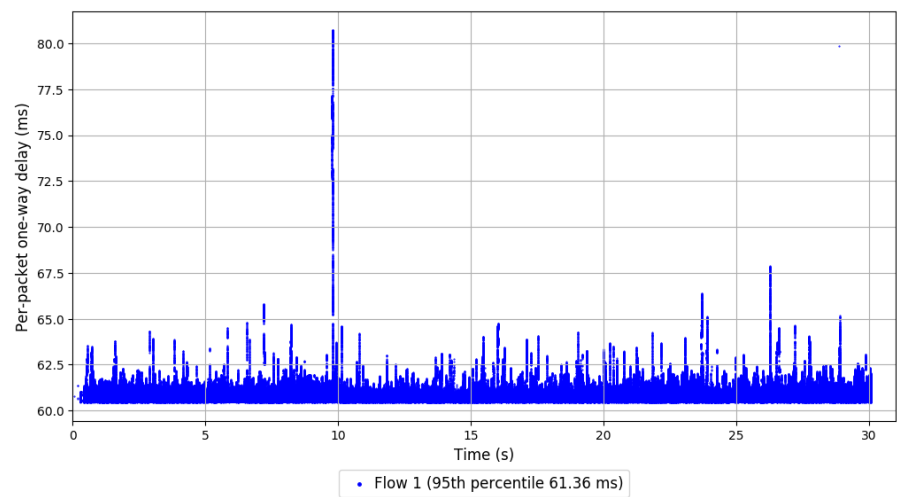
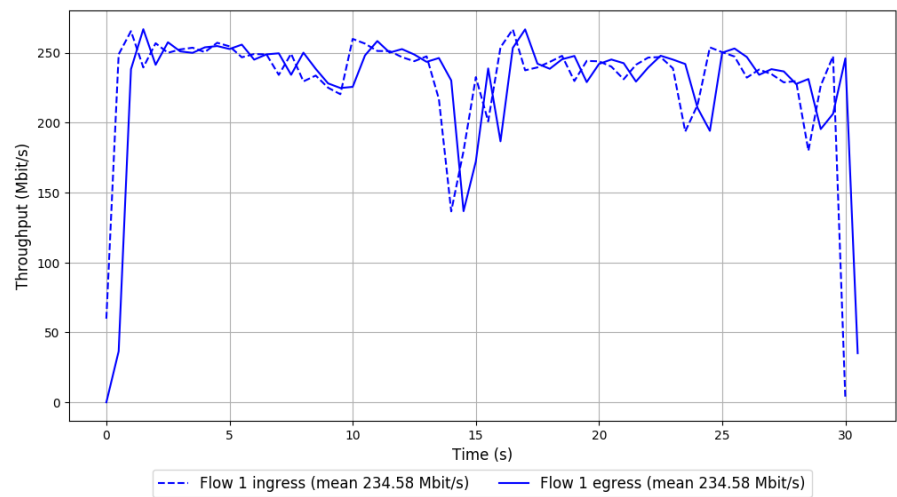
-- Flow 1:

Average throughput: 234.58 Mbit/s

95th percentile per-packet one-way delay: 61.359 ms

Loss rate: 0.00%

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

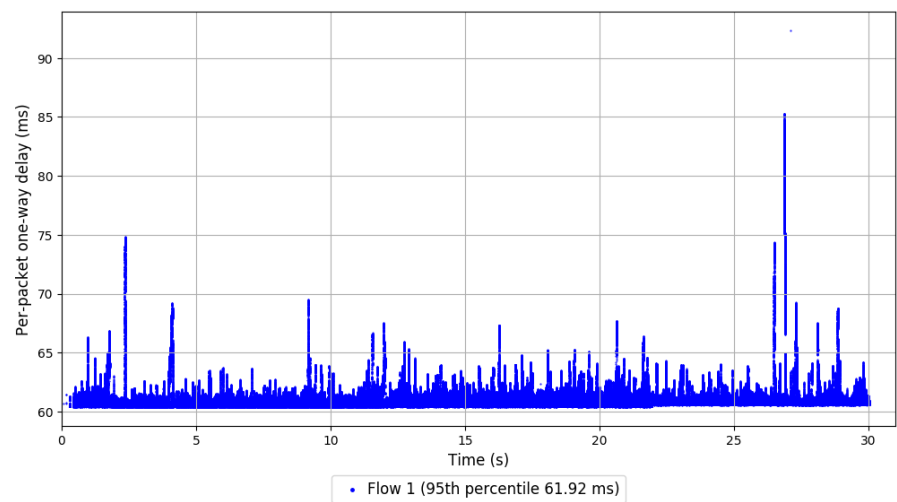
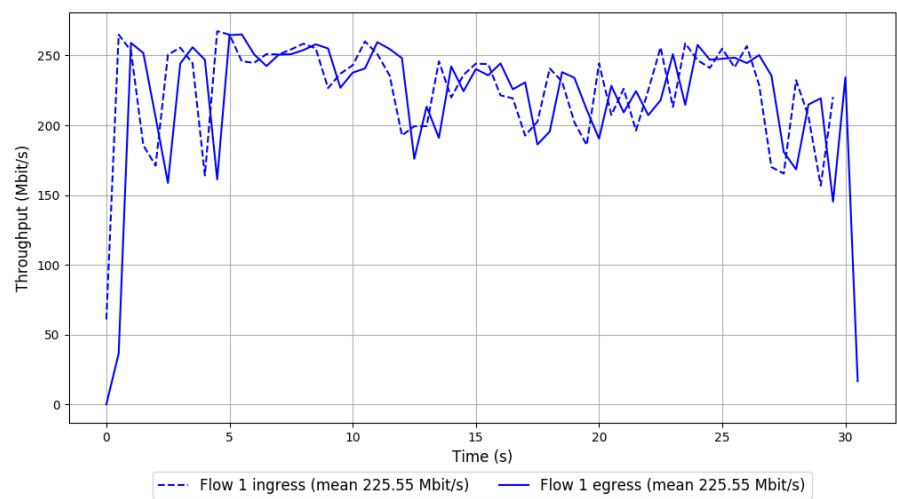


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-19 00:02:52
End at: 2018-07-19 00:03:22
Local clock offset: -0.039 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-07-19 03:57:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.55 Mbit/s
95th percentile per-packet one-way delay: 61.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.55 Mbit/s
95th percentile per-packet one-way delay: 61.920 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-19 00:24:22

End at: 2018-07-19 00:24:52

Local clock offset: -0.105 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-19 03:57:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.70 Mbit/s

95th percentile per-packet one-way delay: 68.031 ms

Loss rate: 0.00%

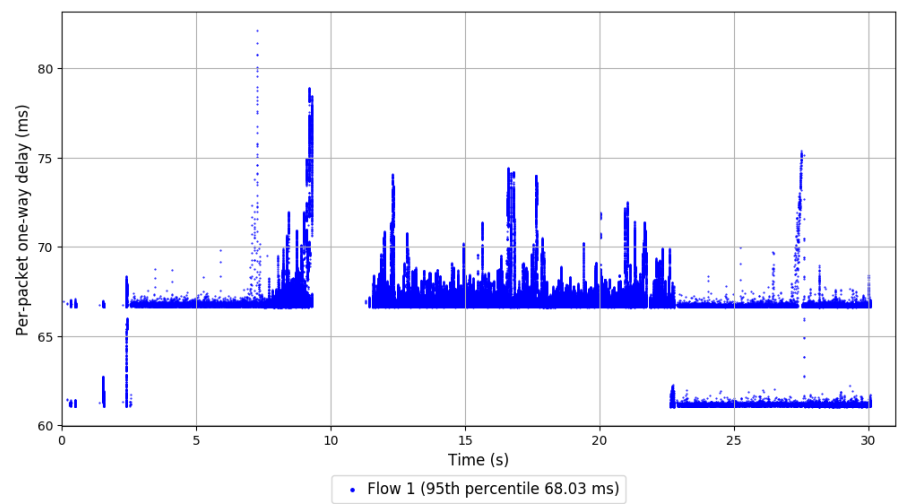
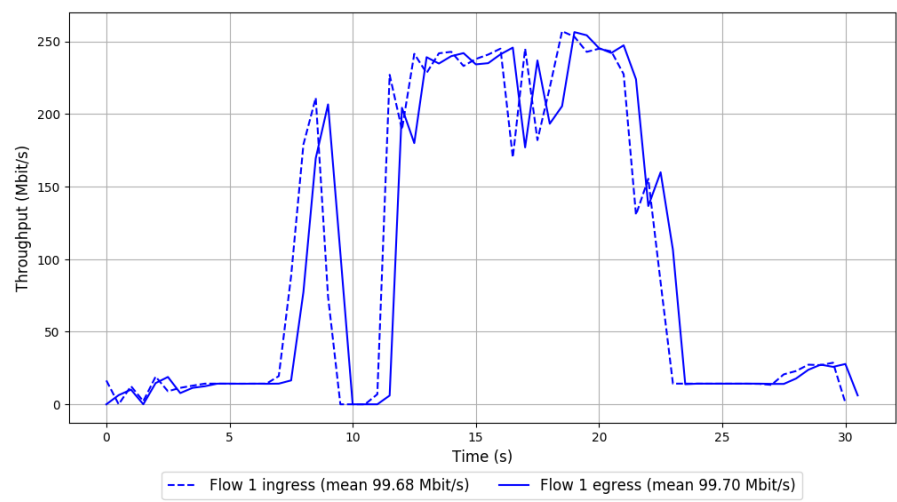
-- Flow 1:

Average throughput: 99.70 Mbit/s

95th percentile per-packet one-way delay: 68.031 ms

Loss rate: 0.00%

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

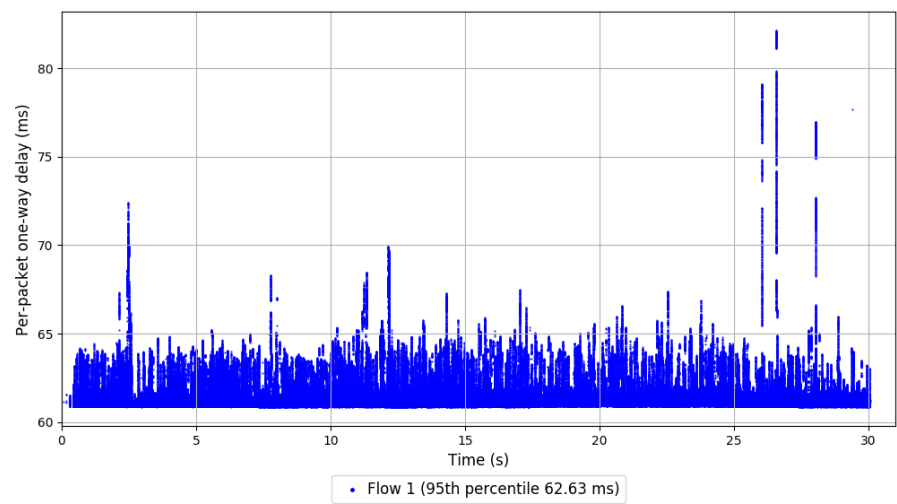
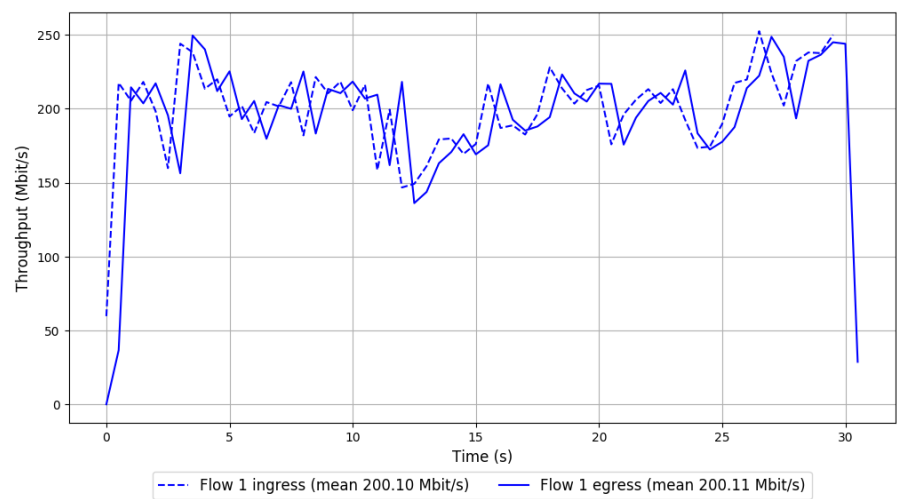


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-19 00:45:57
End at: 2018-07-19 00:46:27
Local clock offset: -0.045 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-19 03:57:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.11 Mbit/s
95th percentile per-packet one-way delay: 62.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.11 Mbit/s
95th percentile per-packet one-way delay: 62.628 ms
Loss rate: 0.00%

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

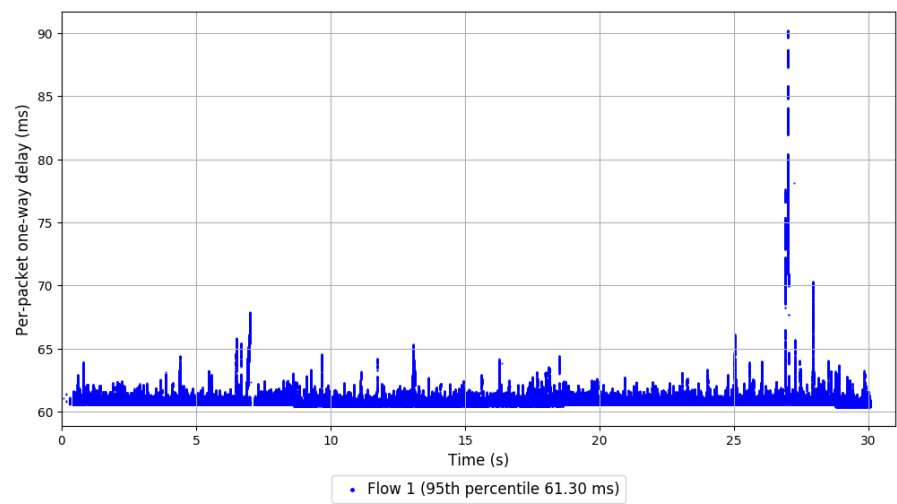
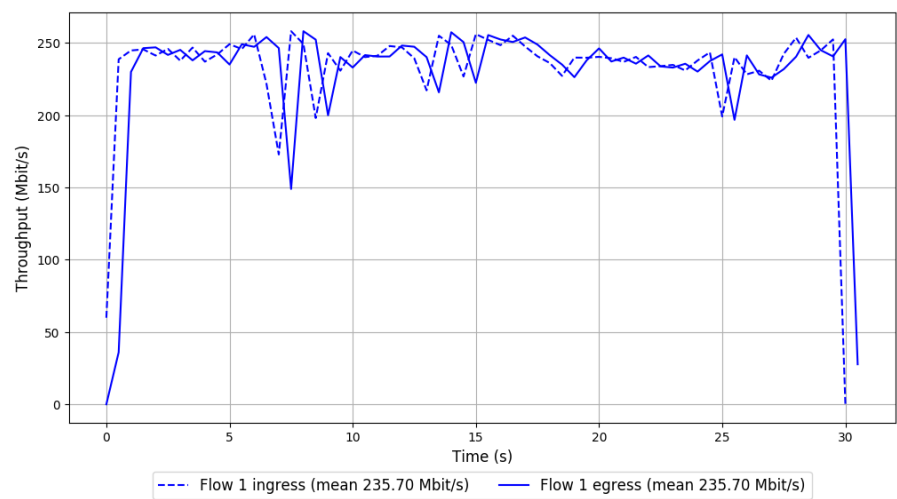


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-19 01:07:46
End at: 2018-07-19 01:08:16
Local clock offset: -0.065 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-07-19 04:01:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.70 Mbit/s
95th percentile per-packet one-way delay: 61.303 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.70 Mbit/s
95th percentile per-packet one-way delay: 61.303 ms
Loss rate: 0.00%

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

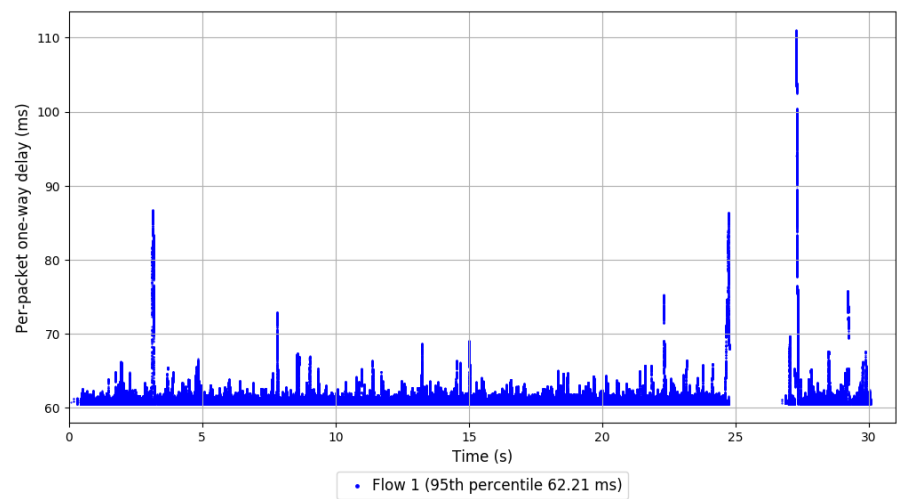
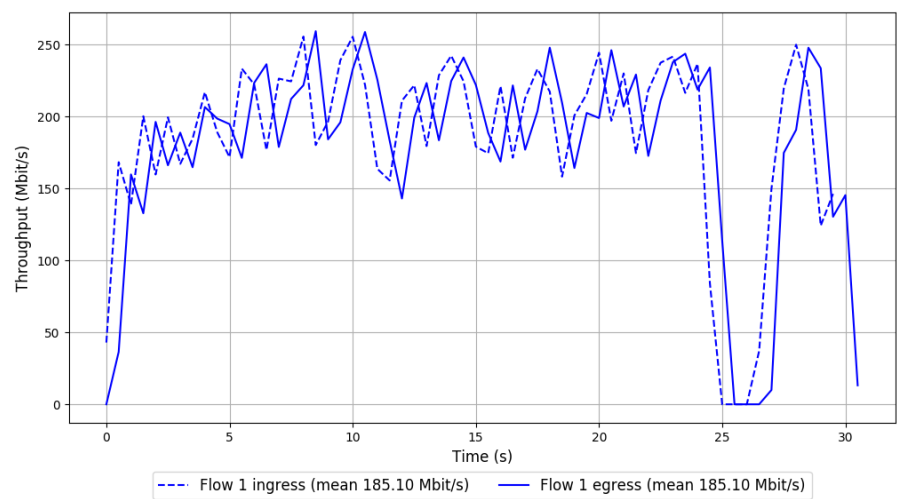


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-19 01:29:35
End at: 2018-07-19 01:30:05
Local clock offset: -0.014 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-19 04:01:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.10 Mbit/s
95th percentile per-packet one-way delay: 62.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.10 Mbit/s
95th percentile per-packet one-way delay: 62.207 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-19 01:51:12

End at: 2018-07-19 01:51:42

Local clock offset: 0.066 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-07-19 04:02:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.72 Mbit/s

95th percentile per-packet one-way delay: 62.493 ms

Loss rate: 0.00%

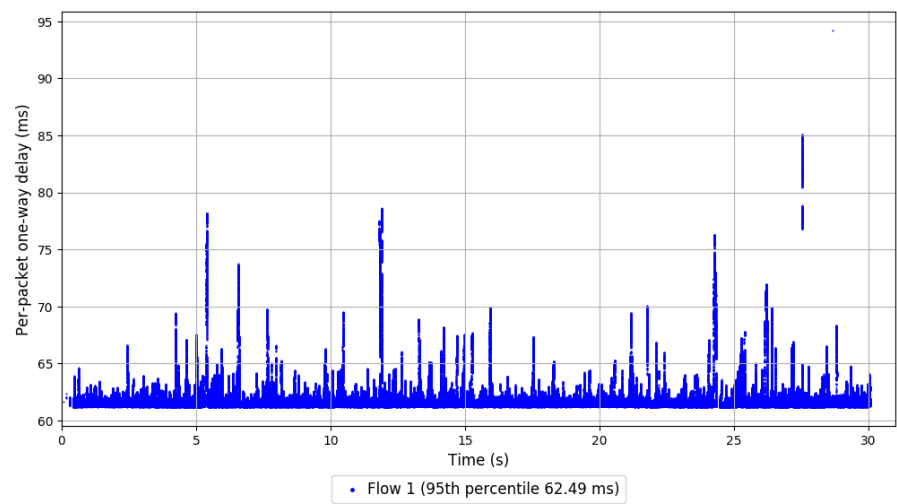
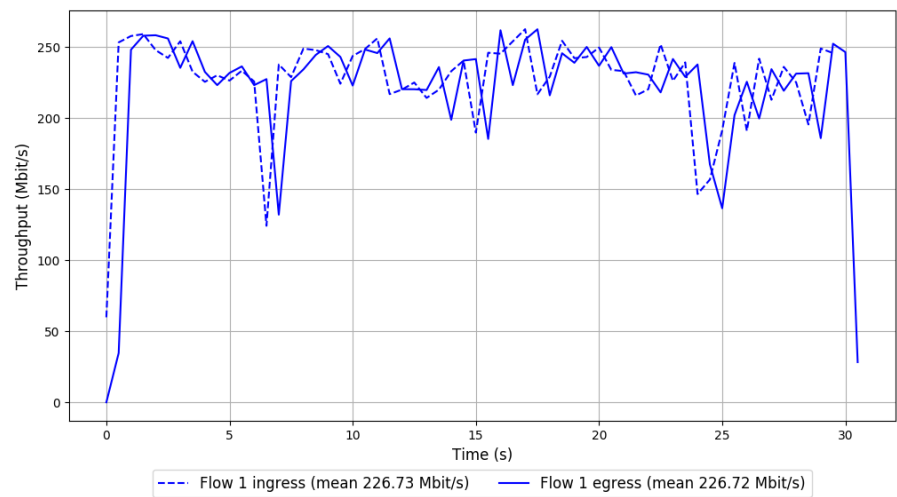
-- Flow 1:

Average throughput: 226.72 Mbit/s

95th percentile per-packet one-way delay: 62.493 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-19 02:12:57

End at: 2018-07-19 02:13:27

Local clock offset: 0.015 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-19 04:04:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.46 Mbit/s

95th percentile per-packet one-way delay: 61.660 ms

Loss rate: 0.00%

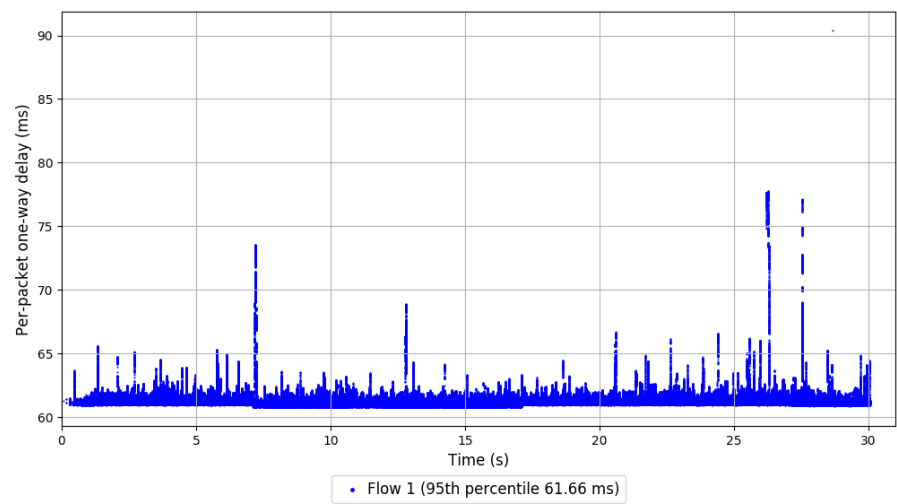
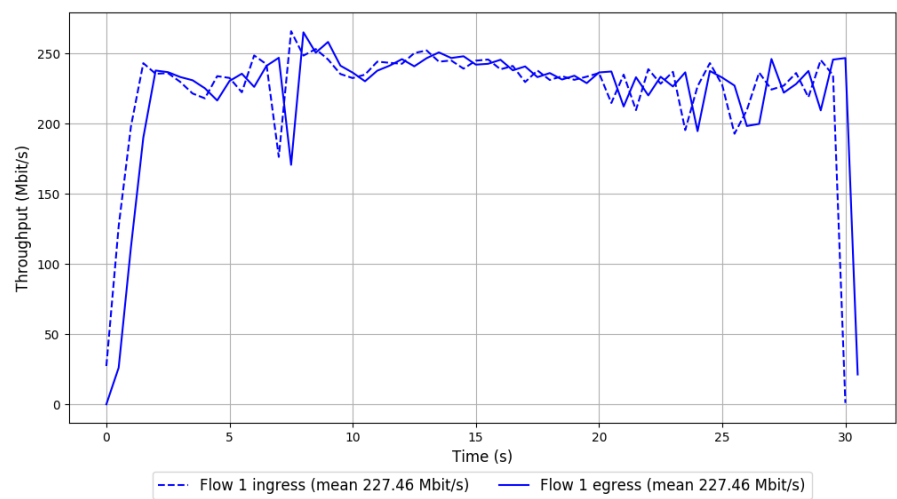
-- Flow 1:

Average throughput: 227.46 Mbit/s

95th percentile per-packet one-way delay: 61.660 ms

Loss rate: 0.00%

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

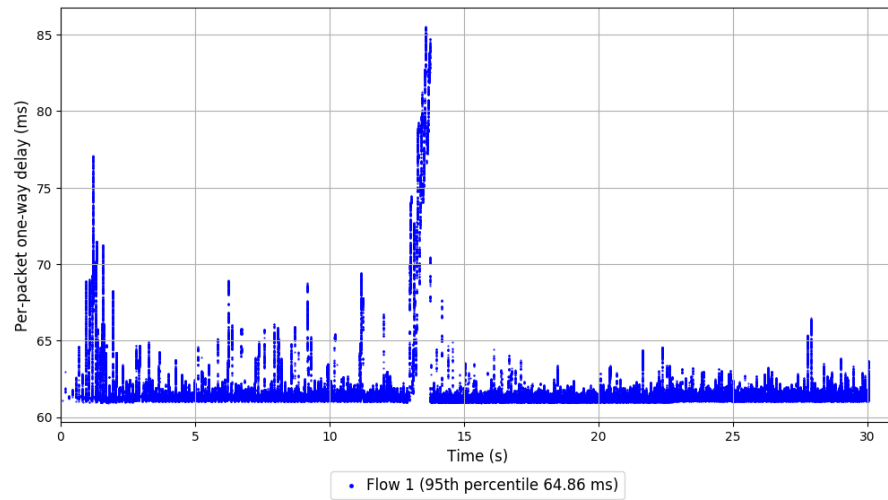
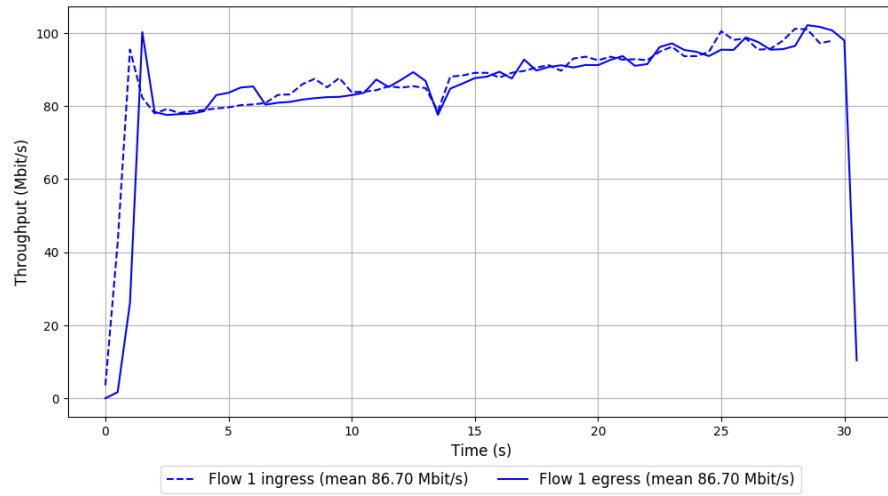


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 23:00:51
End at: 2018-07-18 23:01:21
Local clock offset: -0.018 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-19 04:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 64.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 64.864 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

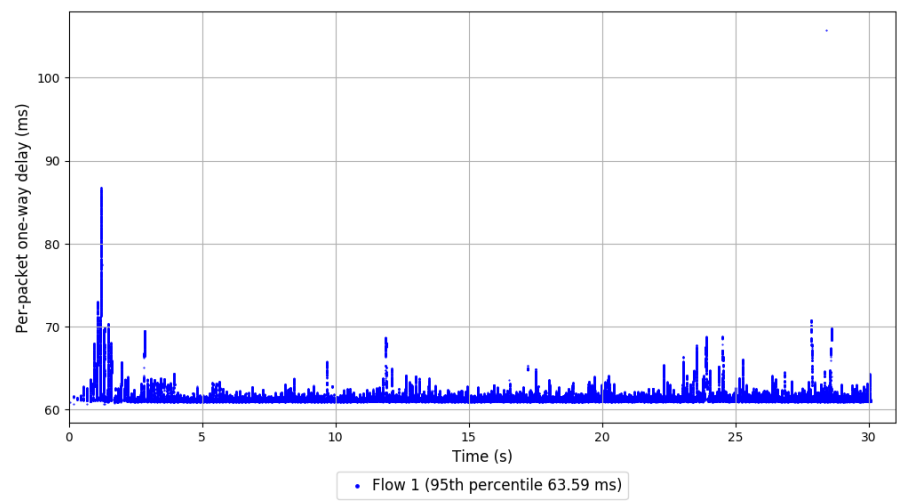
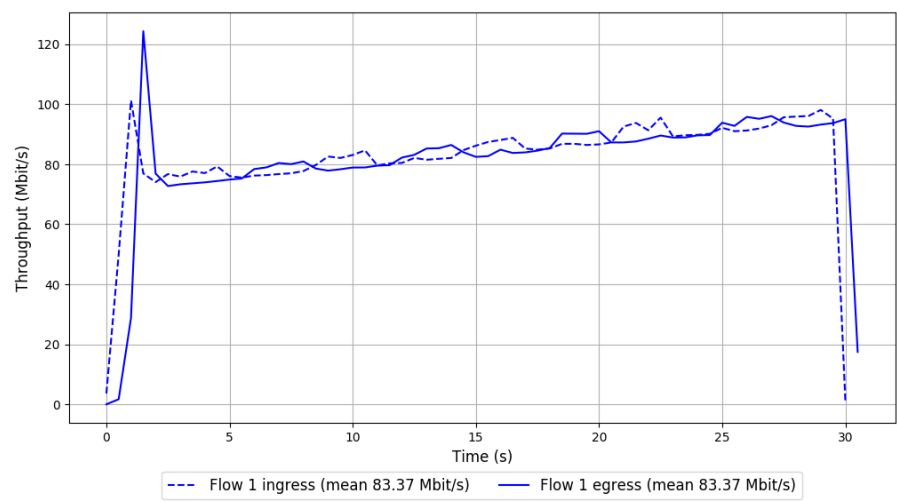


Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 23:22:14
End at: 2018-07-18 23:22:44
Local clock offset: -0.037 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-07-19 04:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 63.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 63.585 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

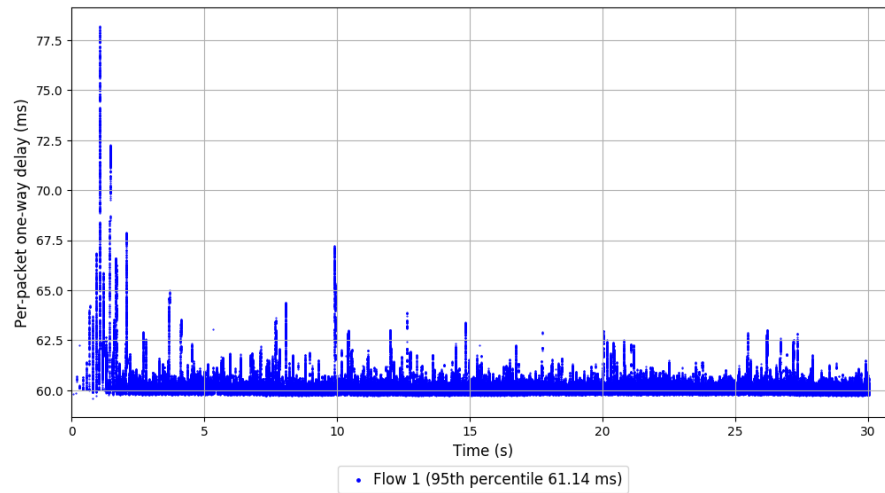
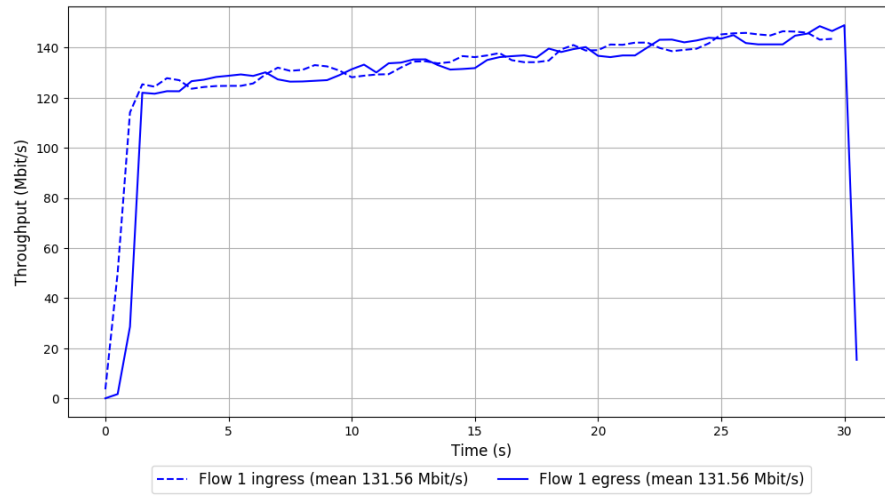


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 23:43:46
End at: 2018-07-18 23:44:16
Local clock offset: 0.002 ms
Remote clock offset: -1.131 ms

Below is generated by plot.py at 2018-07-19 04:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.56 Mbit/s
95th percentile per-packet one-way delay: 61.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.56 Mbit/s
95th percentile per-packet one-way delay: 61.139 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-19 00:05:26

End at: 2018-07-19 00:05:56

Local clock offset: -0.04 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-19 04:04:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.43 Mbit/s

95th percentile per-packet one-way delay: 63.423 ms

Loss rate: 0.00%

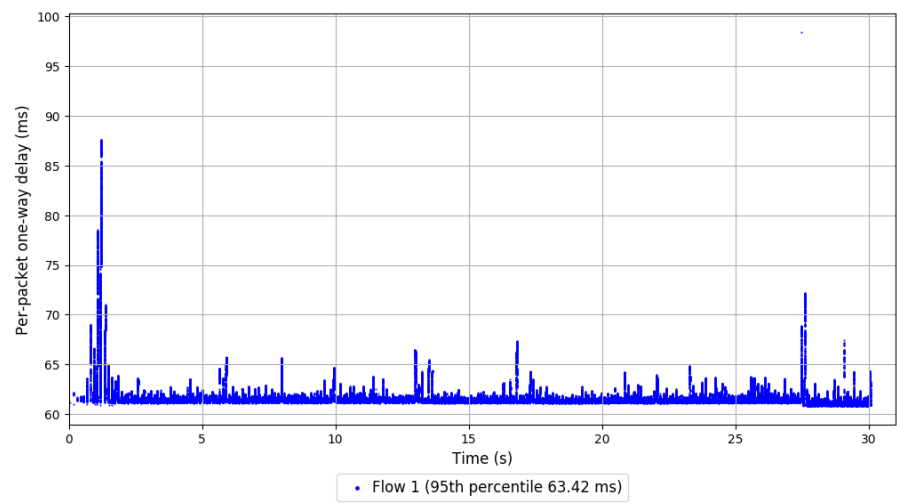
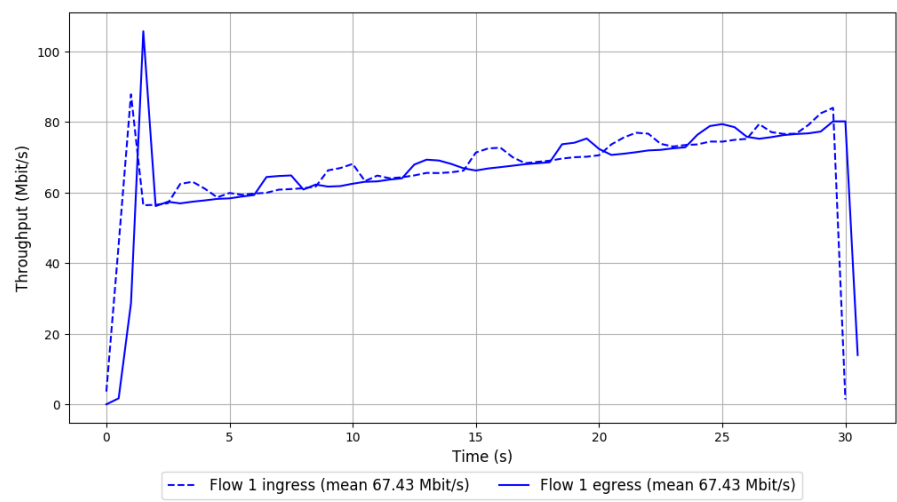
-- Flow 1:

Average throughput: 67.43 Mbit/s

95th percentile per-packet one-way delay: 63.423 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

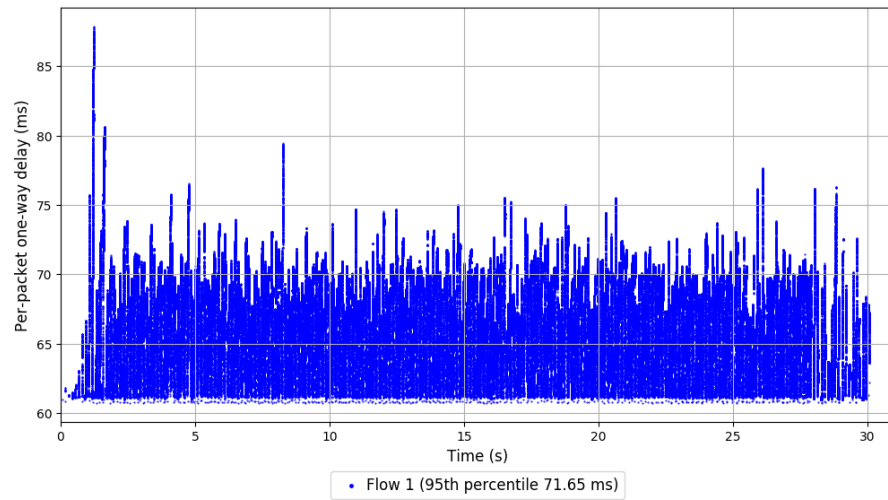
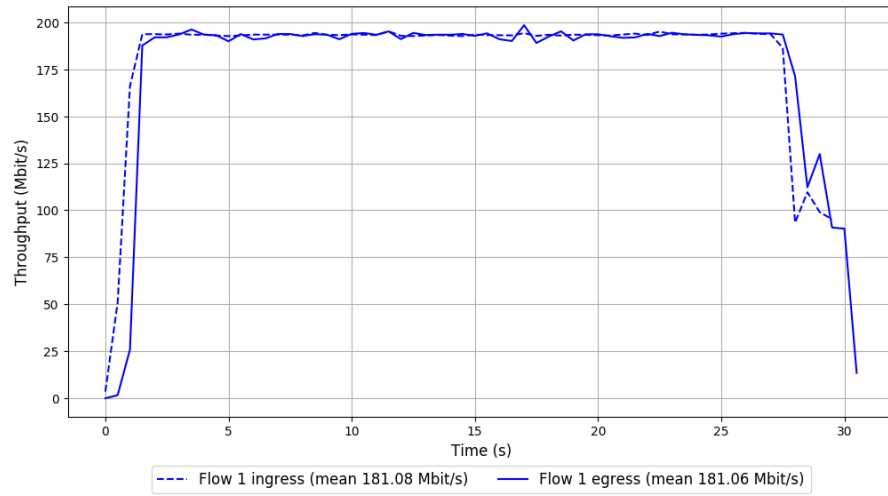


Run 5: Statistics of TCP Vegas

Start at: 2018-07-19 00:26:46
End at: 2018-07-19 00:27:16
Local clock offset: -0.013 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-19 04:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.06 Mbit/s
95th percentile per-packet one-way delay: 71.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.06 Mbit/s
95th percentile per-packet one-way delay: 71.646 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

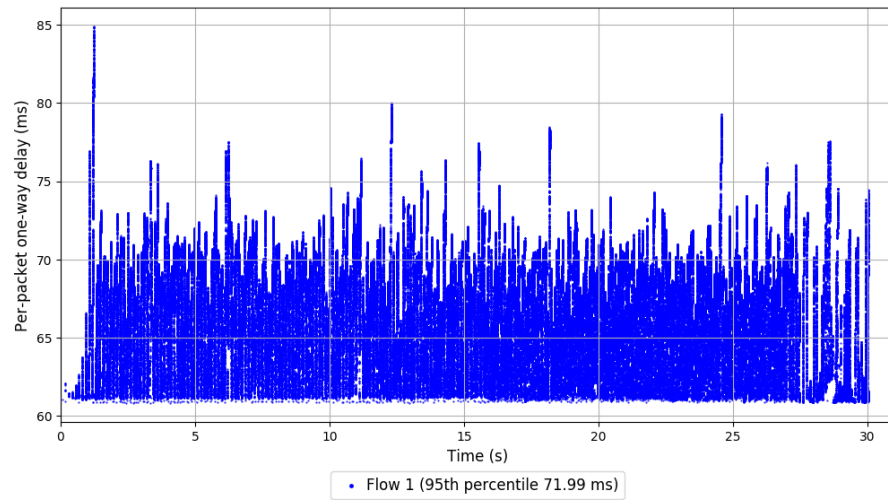
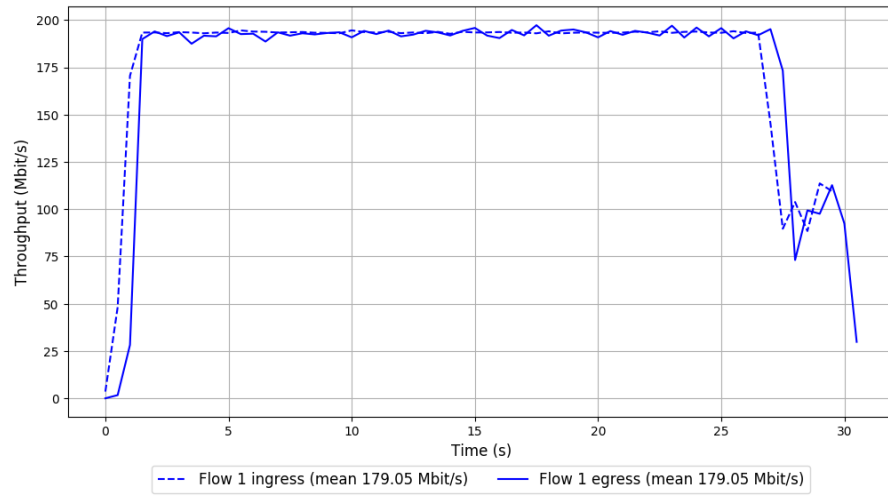


Run 6: Statistics of TCP Vegas

Start at: 2018-07-19 00:48:28
End at: 2018-07-19 00:48:58
Local clock offset: -0.022 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-19 04:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.05 Mbit/s
95th percentile per-packet one-way delay: 71.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.05 Mbit/s
95th percentile per-packet one-way delay: 71.986 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

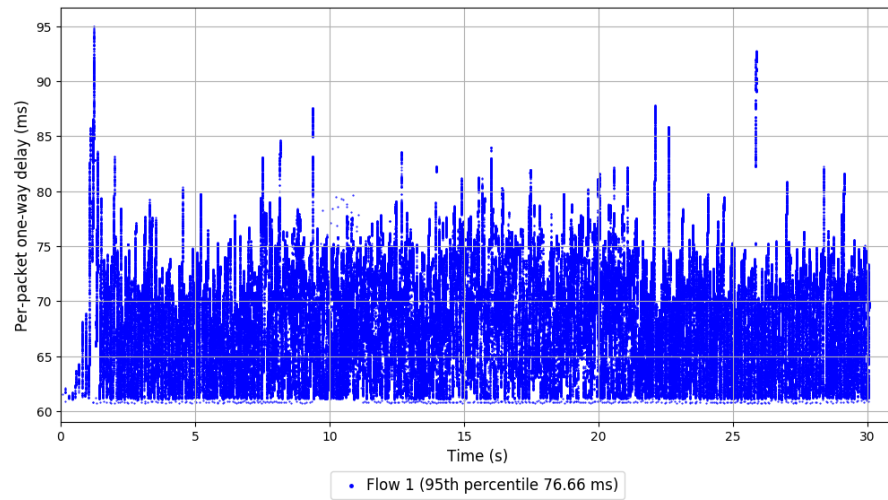
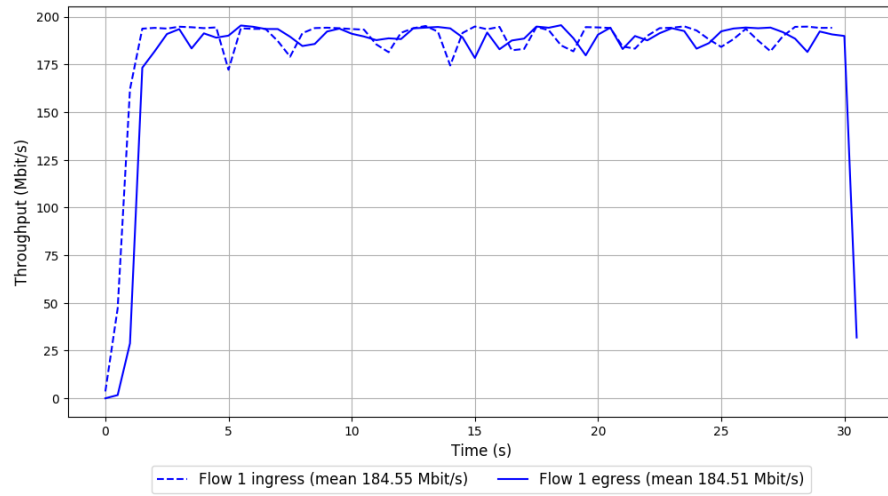


Run 7: Statistics of TCP Vegas

Start at: 2018-07-19 01:10:23
End at: 2018-07-19 01:10:53
Local clock offset: -0.034 ms
Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-07-19 04:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.51 Mbit/s
95th percentile per-packet one-way delay: 76.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.51 Mbit/s
95th percentile per-packet one-way delay: 76.656 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

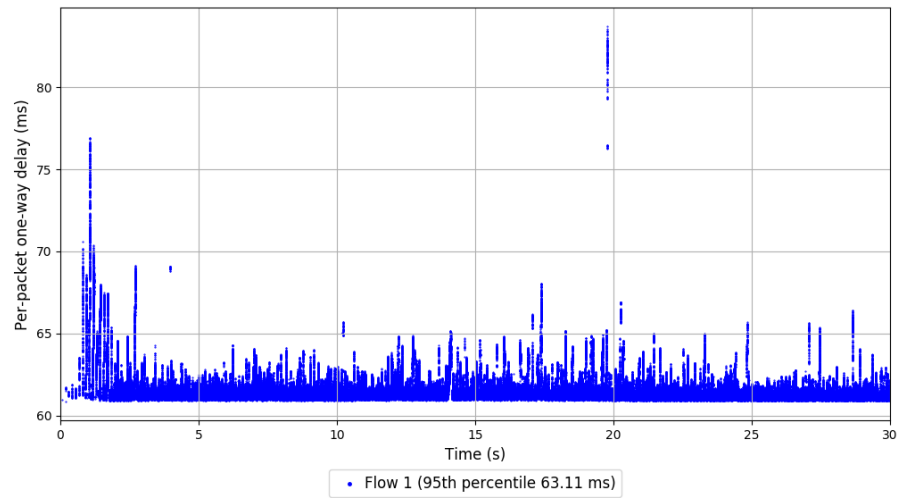
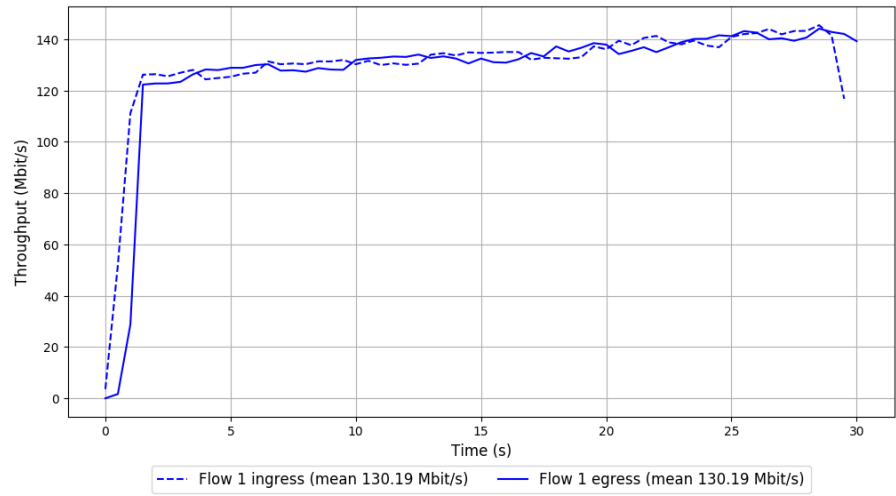


Run 8: Statistics of TCP Vegas

Start at: 2018-07-19 01:32:04
End at: 2018-07-19 01:32:34
Local clock offset: -0.037 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-19 04:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.19 Mbit/s
95th percentile per-packet one-way delay: 63.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.19 Mbit/s
95th percentile per-packet one-way delay: 63.114 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-19 01:53:43

End at: 2018-07-19 01:54:13

Local clock offset: -0.01 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-19 04:04:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.67 Mbit/s

95th percentile per-packet one-way delay: 73.293 ms

Loss rate: 0.00%

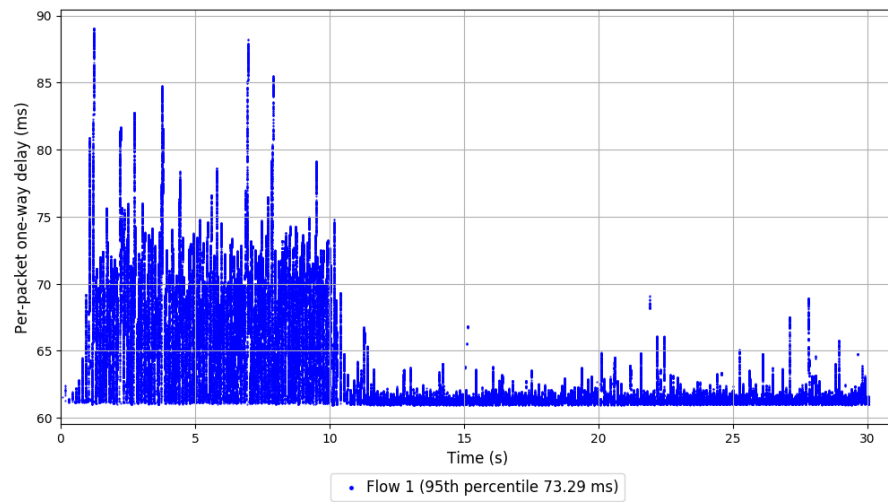
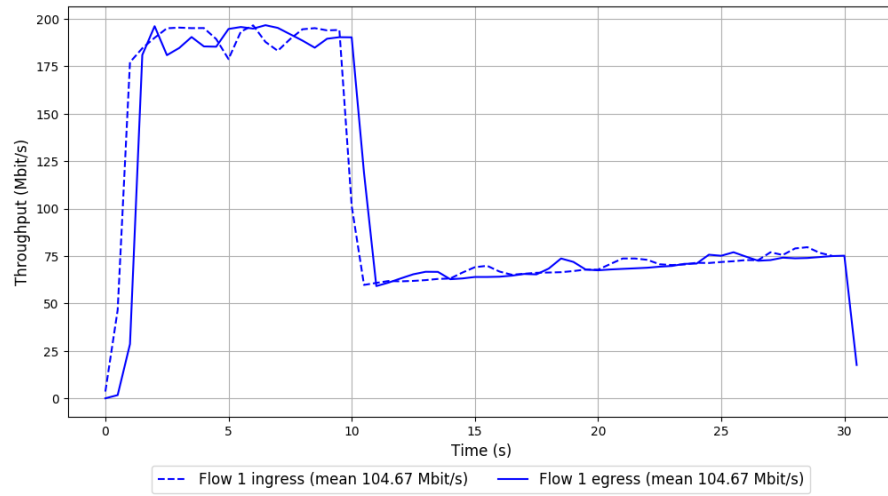
-- Flow 1:

Average throughput: 104.67 Mbit/s

95th percentile per-packet one-way delay: 73.293 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-19 02:15:34

End at: 2018-07-19 02:16:04

Local clock offset: 0.015 ms

Remote clock offset: 1.241 ms

Below is generated by plot.py at 2018-07-19 04:05:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.46 Mbit/s

95th percentile per-packet one-way delay: 73.994 ms

Loss rate: 0.00%

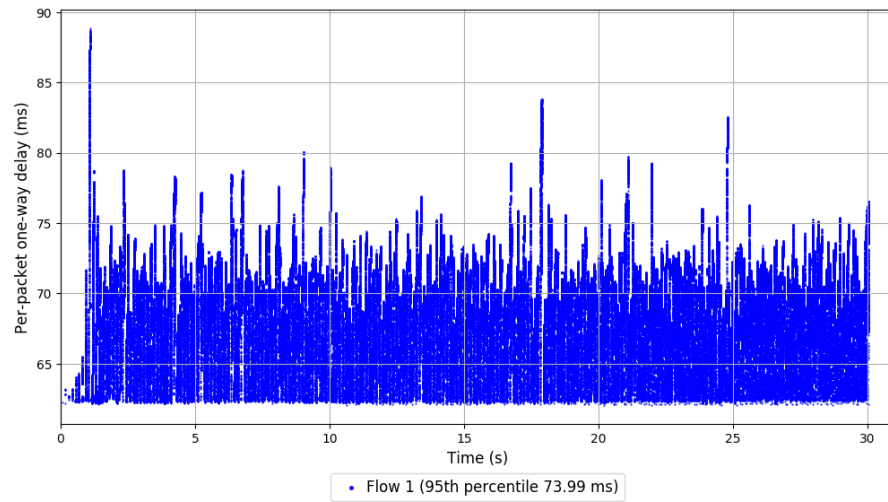
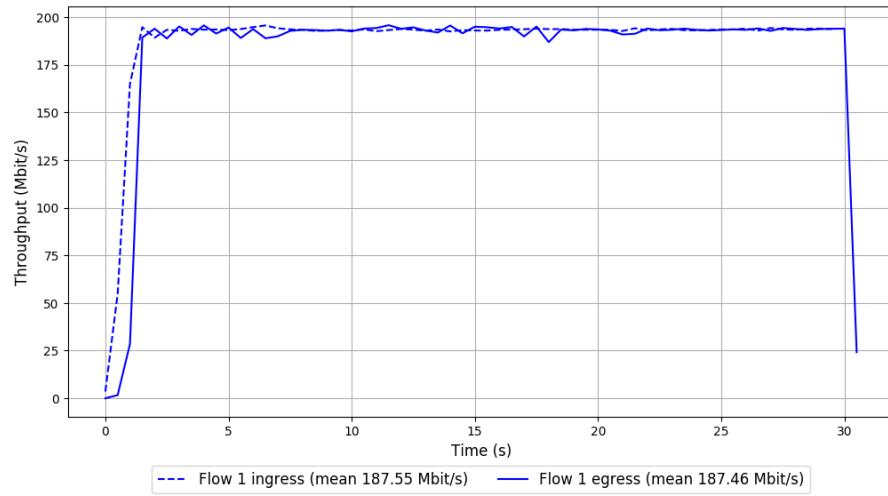
-- Flow 1:

Average throughput: 187.46 Mbit/s

95th percentile per-packet one-way delay: 73.994 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

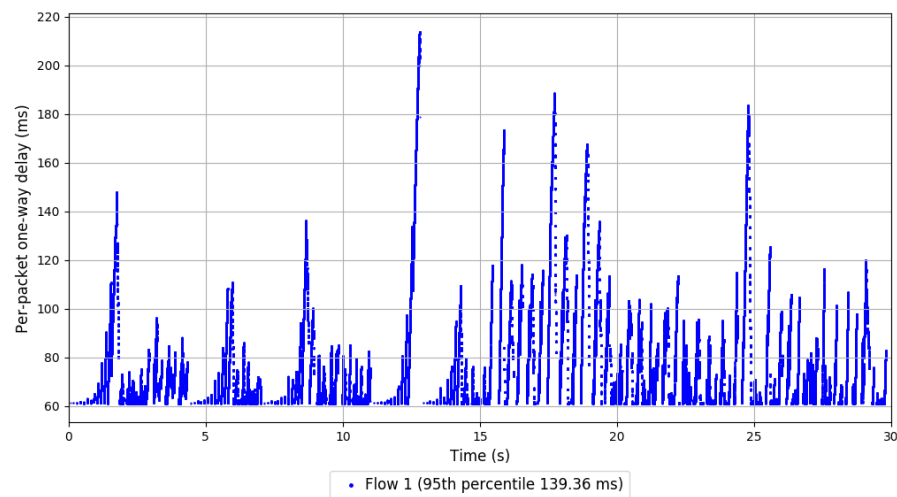
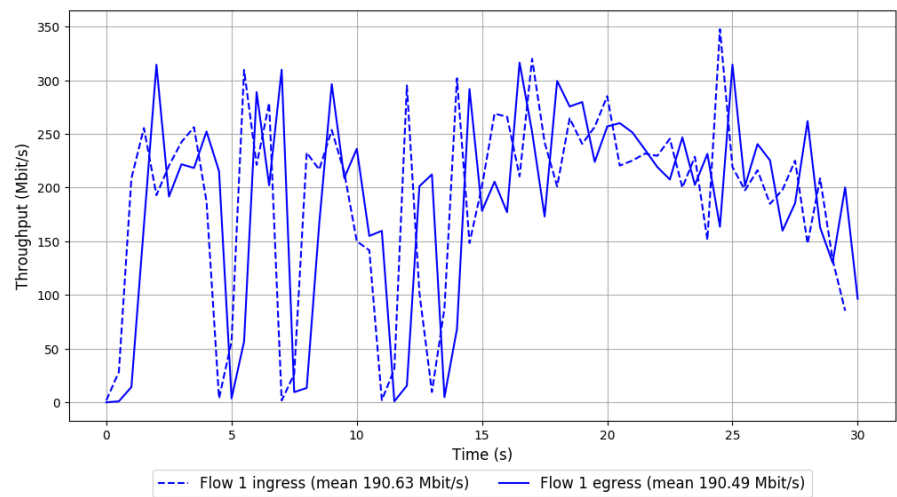


Run 1: Statistics of Verus

Start at: 2018-07-18 23:07:24
End at: 2018-07-18 23:07:54
Local clock offset: -0.039 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-19 04:05:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.49 Mbit/s
95th percentile per-packet one-way delay: 139.363 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.49 Mbit/s
95th percentile per-packet one-way delay: 139.363 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

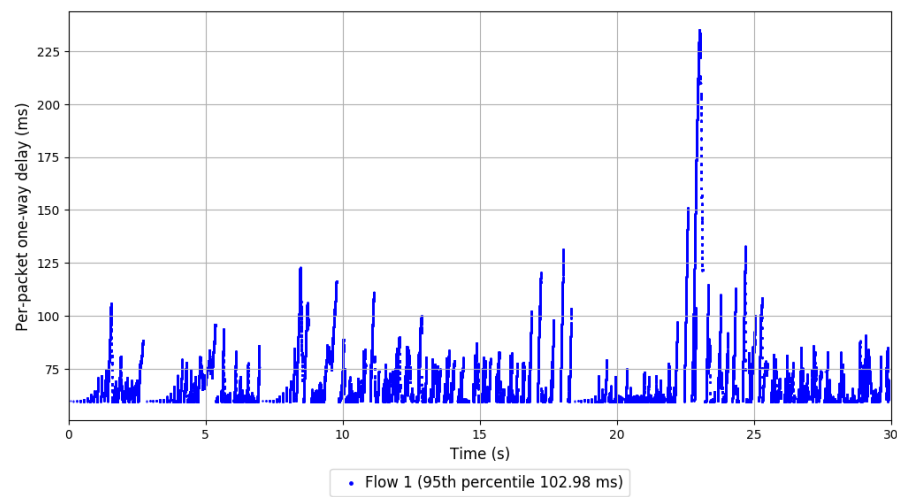
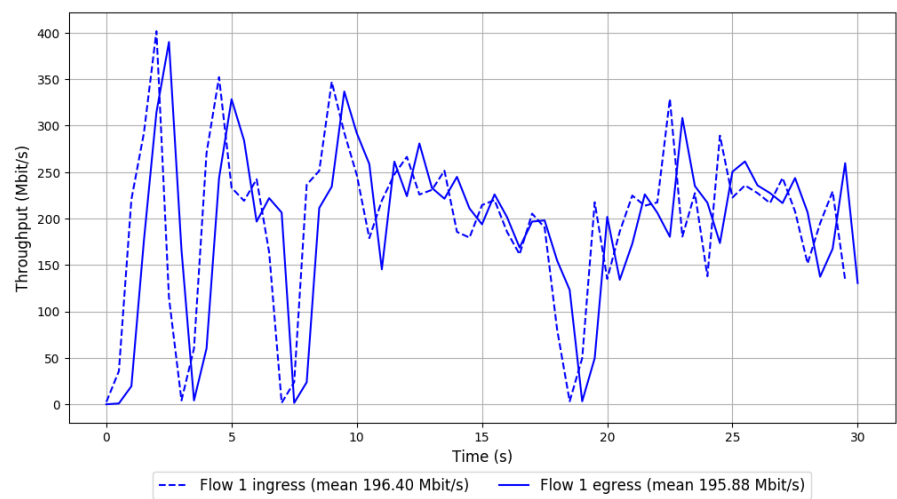


Run 2: Statistics of Verus

Start at: 2018-07-18 23:28:58
End at: 2018-07-18 23:29:28
Local clock offset: -0.014 ms
Remote clock offset: -1.354 ms

Below is generated by plot.py at 2018-07-19 04:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.88 Mbit/s
95th percentile per-packet one-way delay: 102.985 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 195.88 Mbit/s
95th percentile per-packet one-way delay: 102.985 ms
Loss rate: 0.25%

Run 2: Report of Verus — Data Link

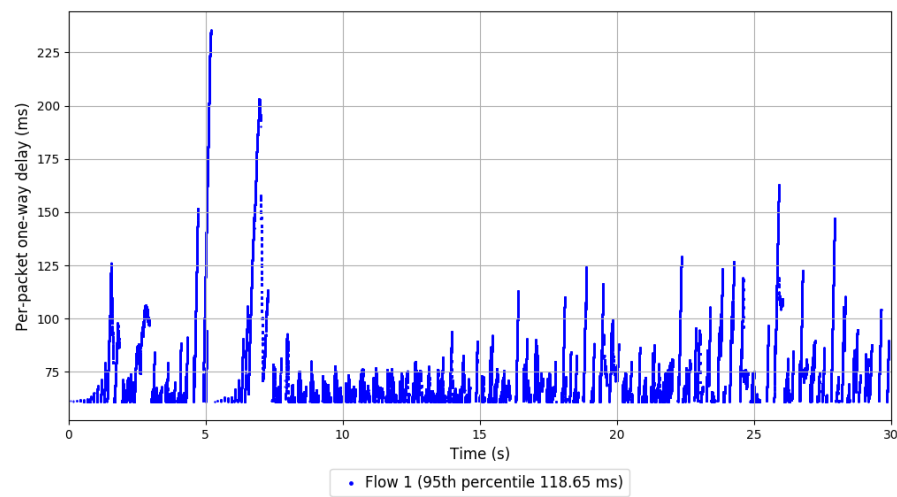
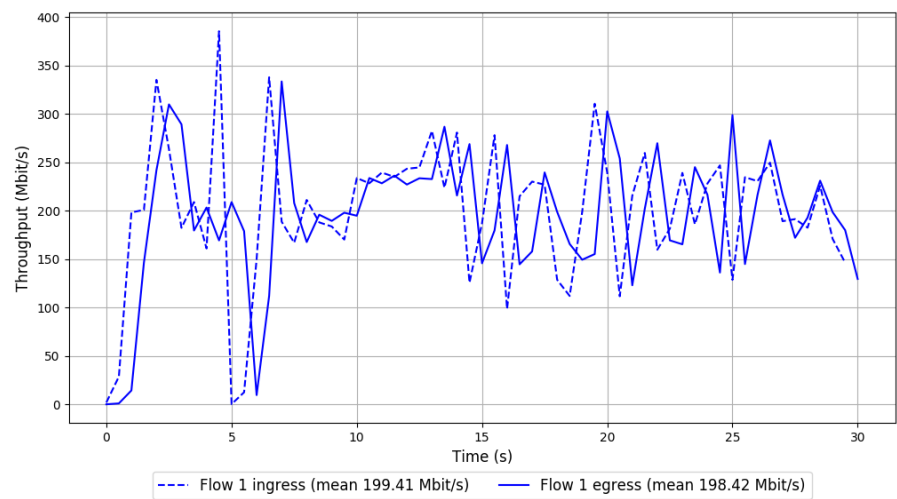


Run 3: Statistics of Verus

Start at: 2018-07-18 23:50:26
End at: 2018-07-18 23:50:56
Local clock offset: -0.016 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-19 04:06:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.42 Mbit/s
95th percentile per-packet one-way delay: 118.647 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 198.42 Mbit/s
95th percentile per-packet one-way delay: 118.647 ms
Loss rate: 0.49%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-19 00:11:54

End at: 2018-07-19 00:12:24

Local clock offset: -0.075 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-07-19 04:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.33 Mbit/s

95th percentile per-packet one-way delay: 232.093 ms

Loss rate: 5.61%

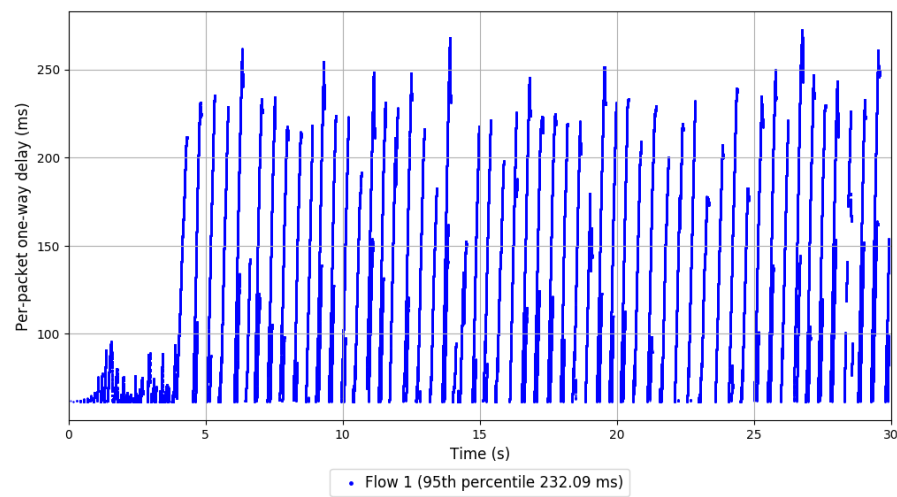
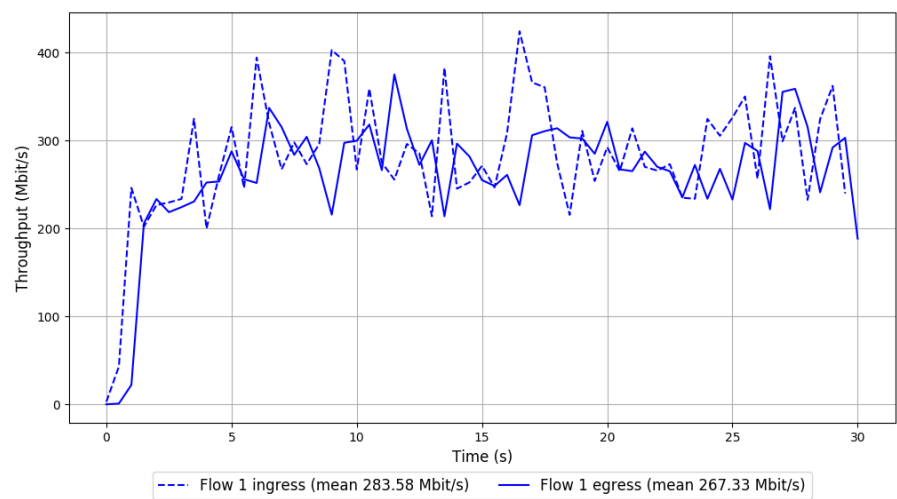
-- Flow 1:

Average throughput: 267.33 Mbit/s

95th percentile per-packet one-way delay: 232.093 ms

Loss rate: 5.61%

Run 4: Report of Verus — Data Link

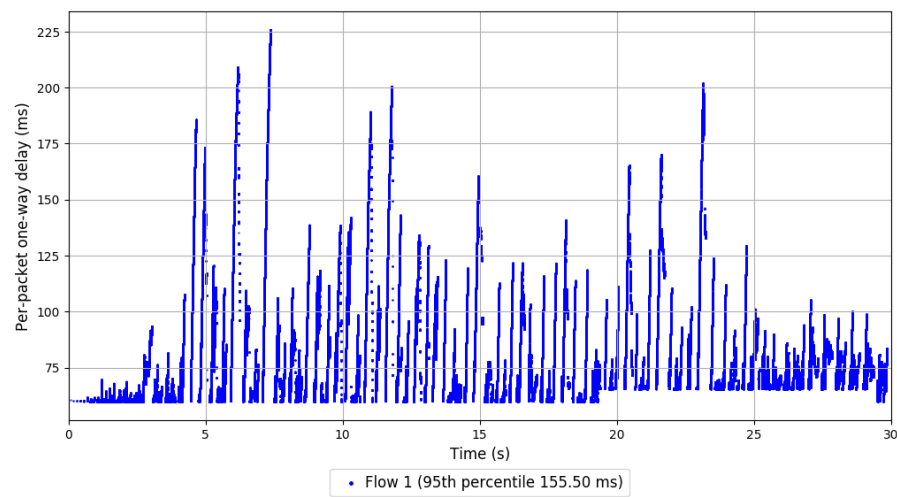
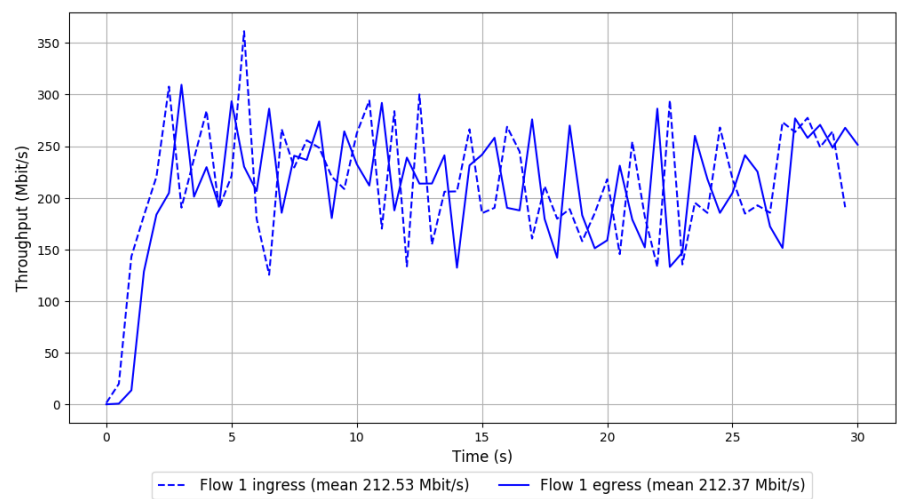


Run 5: Statistics of Verus

Start at: 2018-07-19 00:33:35
End at: 2018-07-19 00:34:05
Local clock offset: -0.081 ms
Remote clock offset: -1.355 ms

Below is generated by plot.py at 2018-07-19 04:08:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.37 Mbit/s
95th percentile per-packet one-way delay: 155.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.37 Mbit/s
95th percentile per-packet one-way delay: 155.496 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

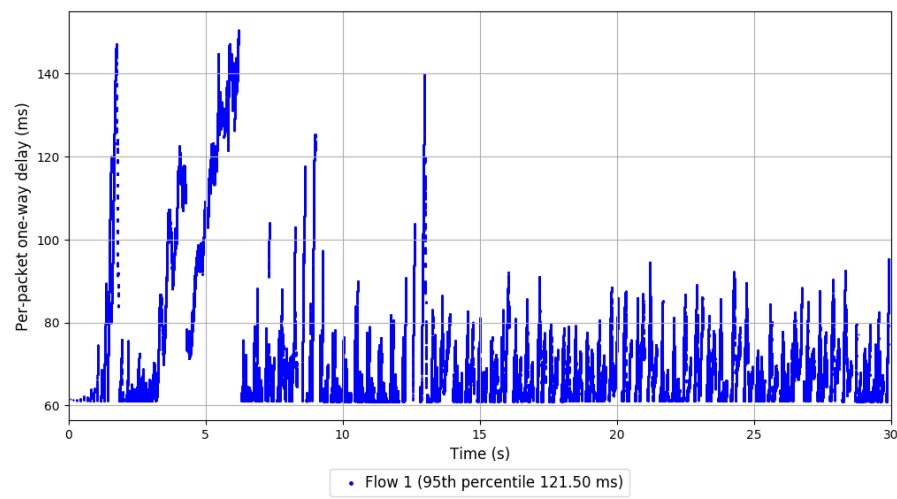
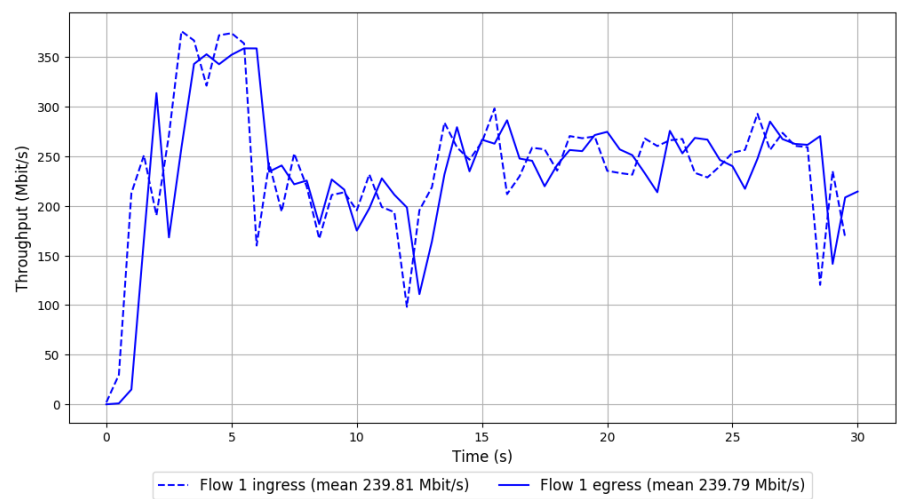


Run 6: Statistics of Verus

Start at: 2018-07-19 00:55:16
End at: 2018-07-19 00:55:46
Local clock offset: -0.061 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-19 04:08:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.79 Mbit/s
95th percentile per-packet one-way delay: 121.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.79 Mbit/s
95th percentile per-packet one-way delay: 121.505 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-19 01:17:06

End at: 2018-07-19 01:17:36

Local clock offset: -0.044 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-19 04:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.63 Mbit/s

95th percentile per-packet one-way delay: 120.649 ms

Loss rate: 0.48%

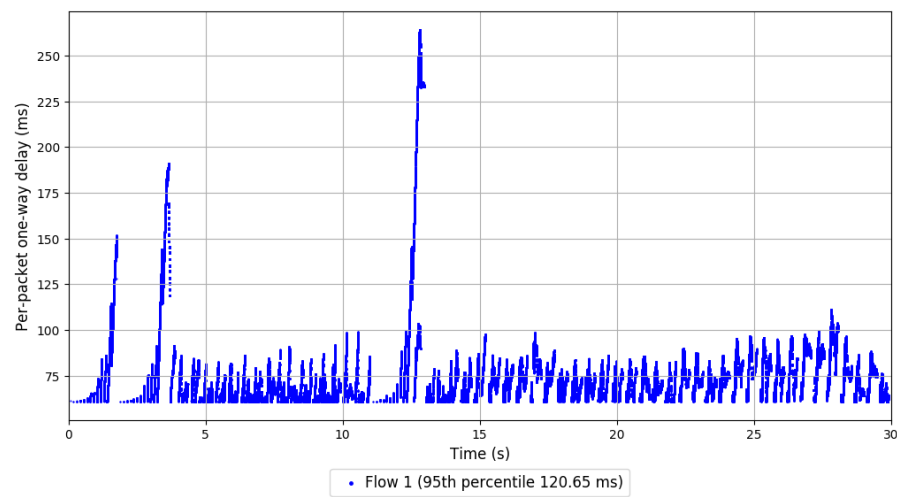
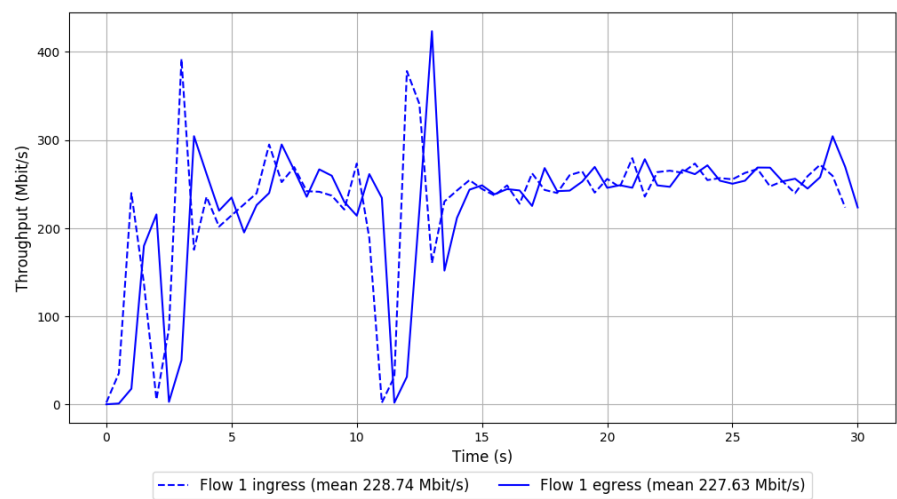
-- Flow 1:

Average throughput: 227.63 Mbit/s

95th percentile per-packet one-way delay: 120.649 ms

Loss rate: 0.48%

Run 7: Report of Verus — Data Link

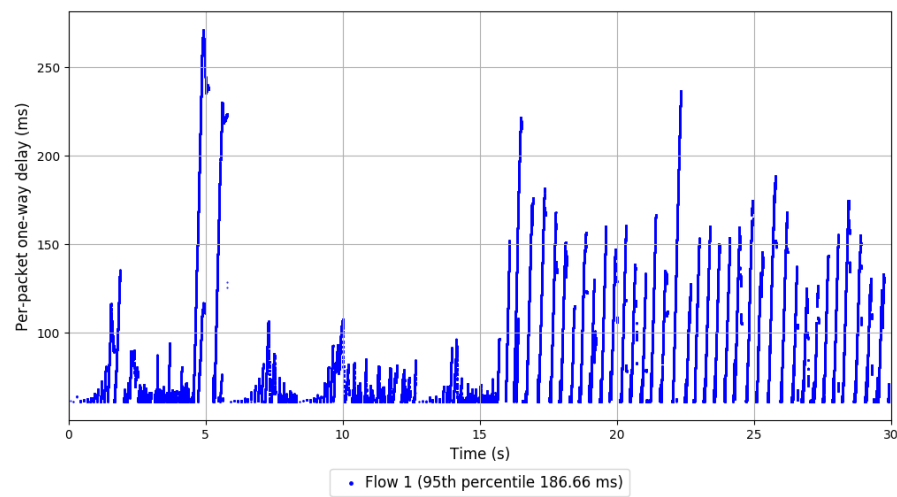
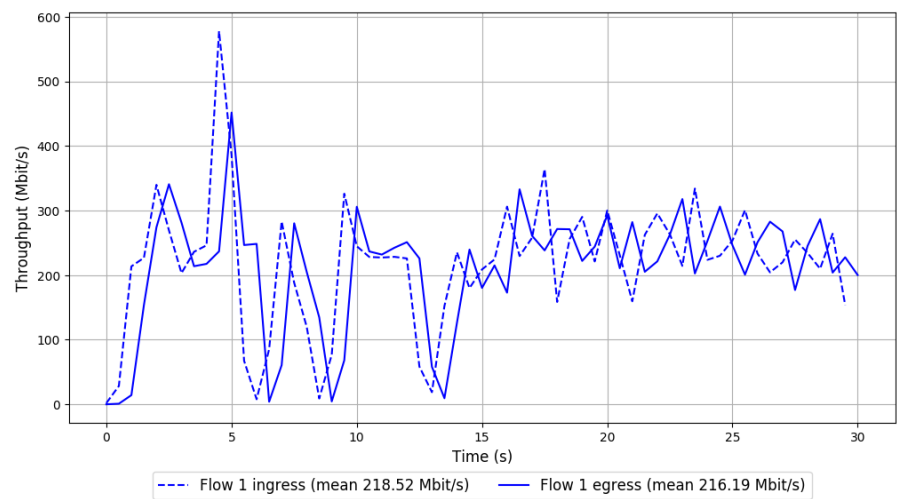


Run 8: Statistics of Verus

Start at: 2018-07-19 01:38:43
End at: 2018-07-19 01:39:13
Local clock offset: 0.01 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-19 04:09:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.19 Mbit/s
95th percentile per-packet one-way delay: 186.663 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 216.19 Mbit/s
95th percentile per-packet one-way delay: 186.663 ms
Loss rate: 1.04%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-19 02:00:29

End at: 2018-07-19 02:00:59

Local clock offset: 0.055 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2018-07-19 04:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.69 Mbit/s

95th percentile per-packet one-way delay: 207.127 ms

Loss rate: 1.19%

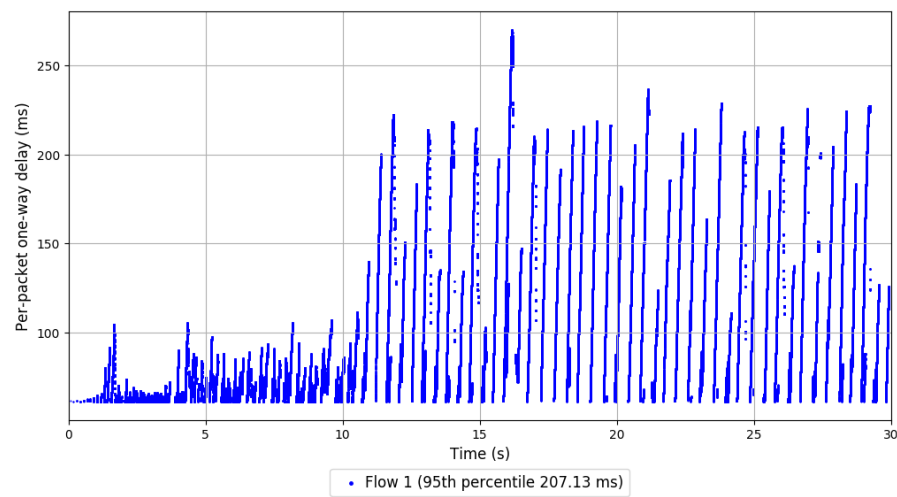
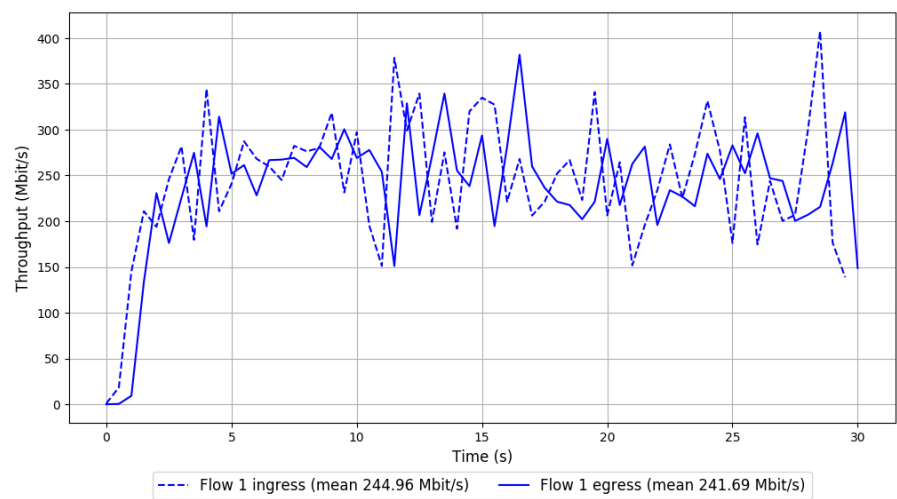
-- Flow 1:

Average throughput: 241.69 Mbit/s

95th percentile per-packet one-way delay: 207.127 ms

Loss rate: 1.19%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-19 02:22:09

End at: 2018-07-19 02:22:39

Local clock offset: 0.029 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-07-19 04:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.92 Mbit/s

95th percentile per-packet one-way delay: 102.582 ms

Loss rate: 0.00%

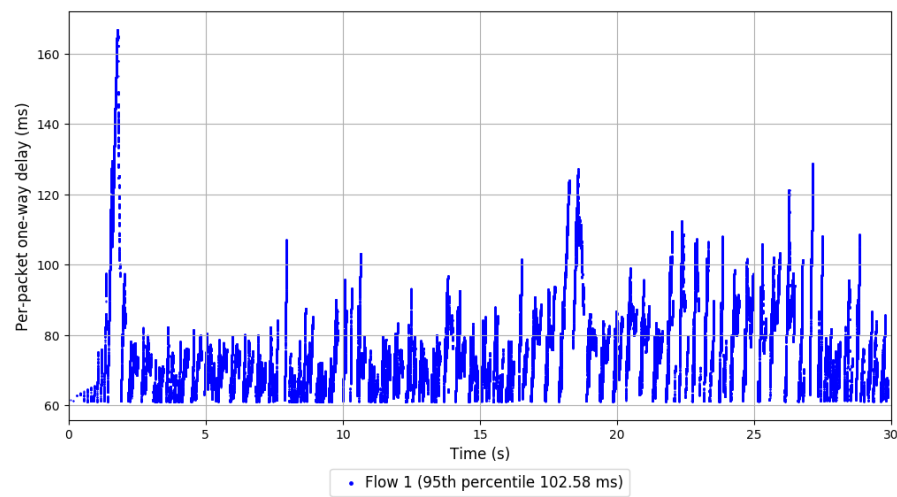
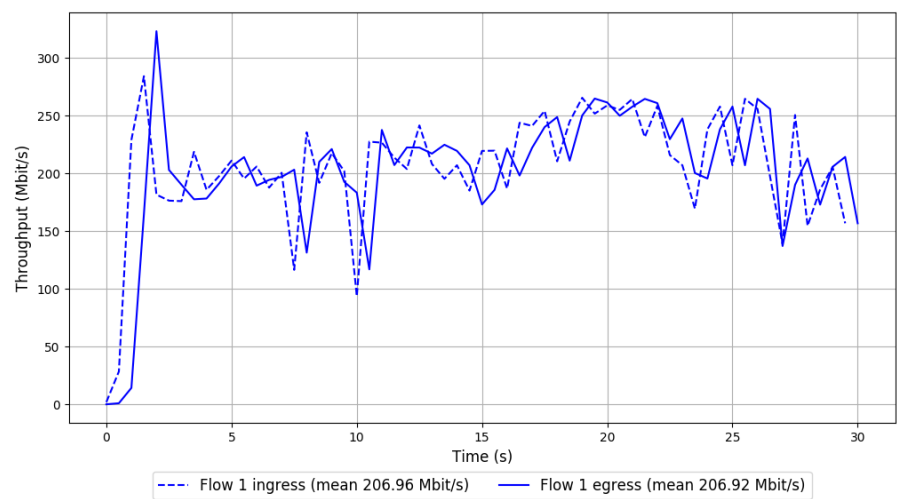
-- Flow 1:

Average throughput: 206.92 Mbit/s

95th percentile per-packet one-way delay: 102.582 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 22:51:02

End at: 2018-07-18 22:51:32

Local clock offset: 0.022 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-19 04:12:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 285.65 Mbit/s

95th percentile per-packet one-way delay: 61.536 ms

Loss rate: 0.00%

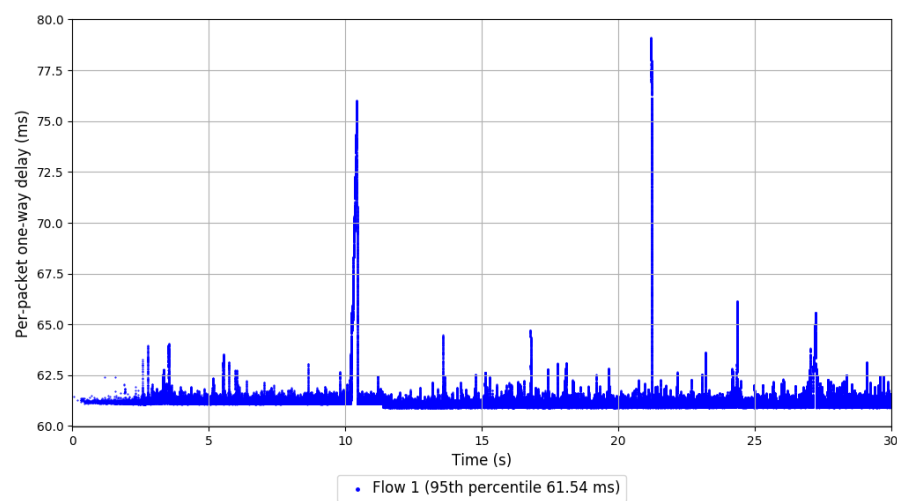
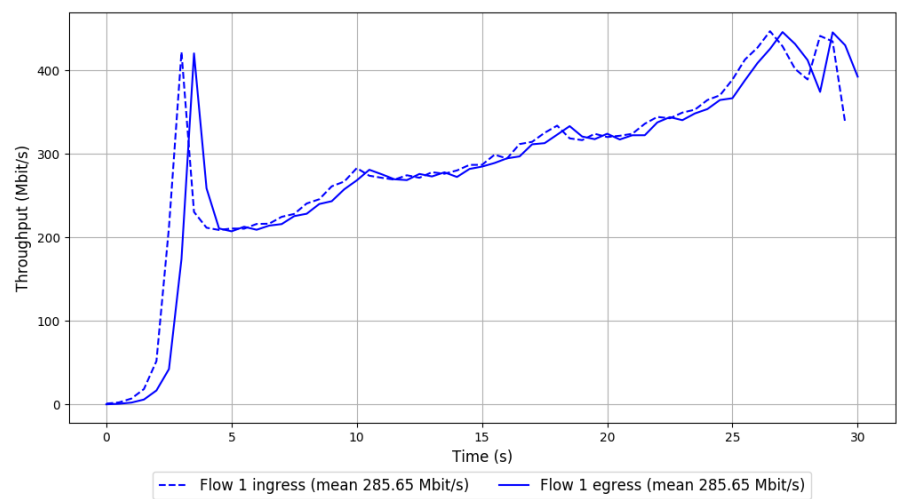
-- Flow 1:

Average throughput: 285.65 Mbit/s

95th percentile per-packet one-way delay: 61.536 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

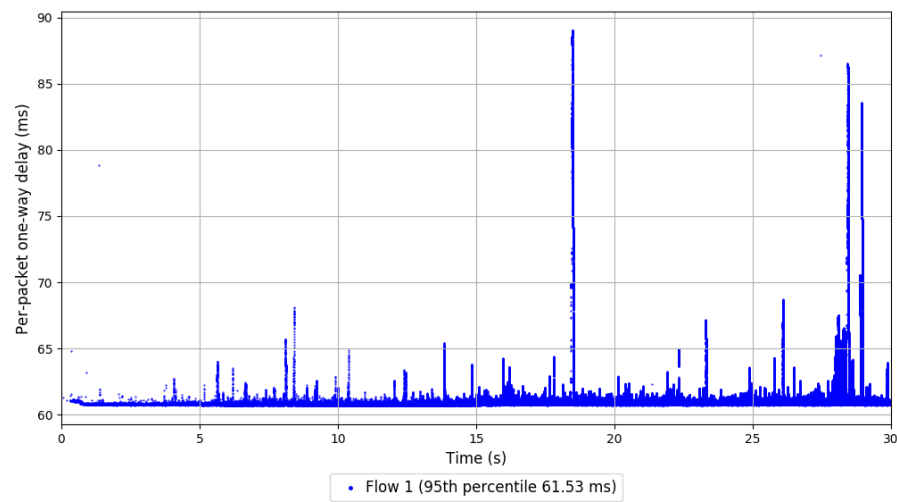
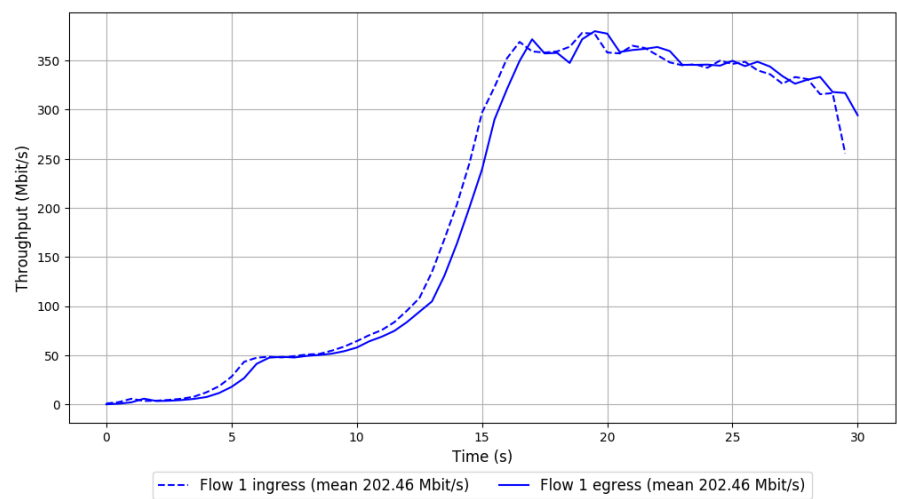


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 23:12:33
End at: 2018-07-18 23:13:03
Local clock offset: -0.002 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-19 04:12:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.46 Mbit/s
95th percentile per-packet one-way delay: 61.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.46 Mbit/s
95th percentile per-packet one-way delay: 61.528 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

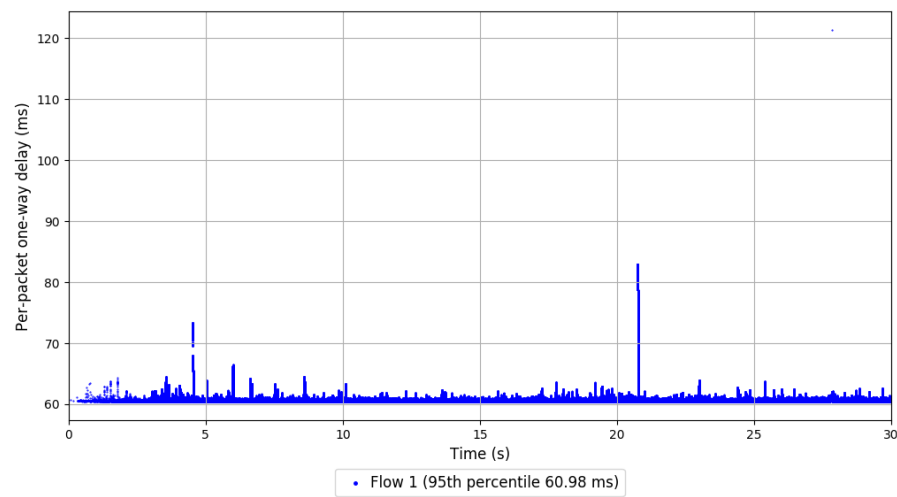
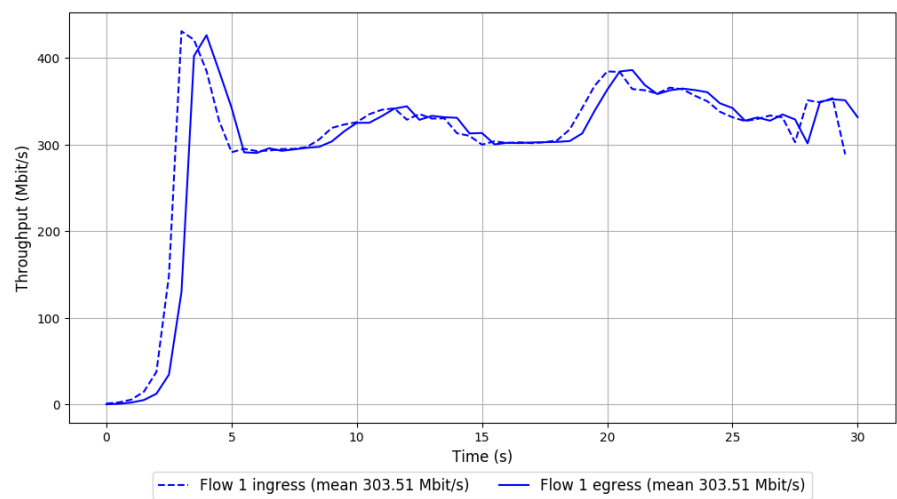


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 23:34:02
End at: 2018-07-18 23:34:33
Local clock offset: -0.031 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-07-19 04:13:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 303.51 Mbit/s
95th percentile per-packet one-way delay: 60.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 303.51 Mbit/s
95th percentile per-packet one-way delay: 60.983 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 23:55:37

End at: 2018-07-18 23:56:07

Local clock offset: -0.08 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-19 04:15:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.50 Mbit/s

95th percentile per-packet one-way delay: 61.637 ms

Loss rate: 0.00%

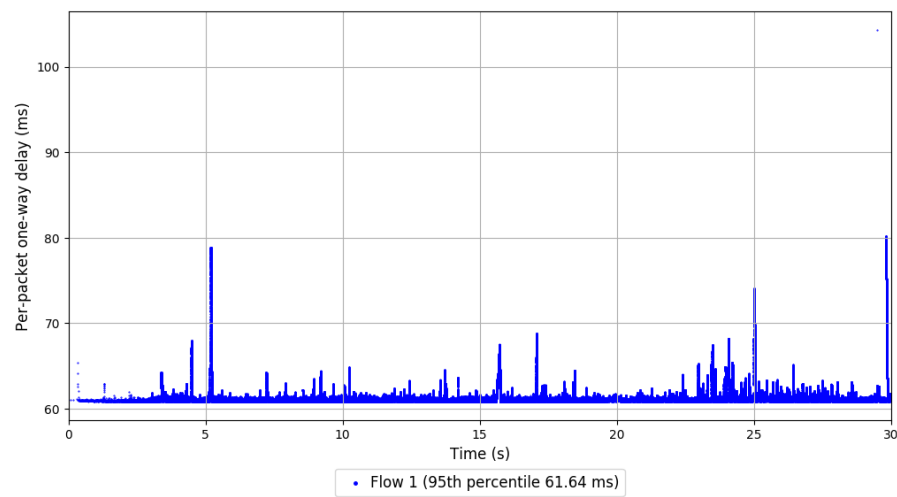
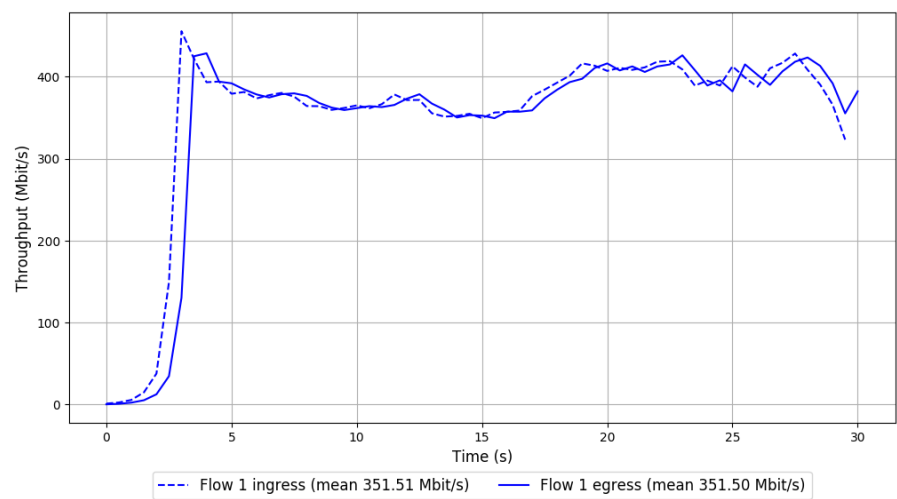
-- Flow 1:

Average throughput: 351.50 Mbit/s

95th percentile per-packet one-way delay: 61.637 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

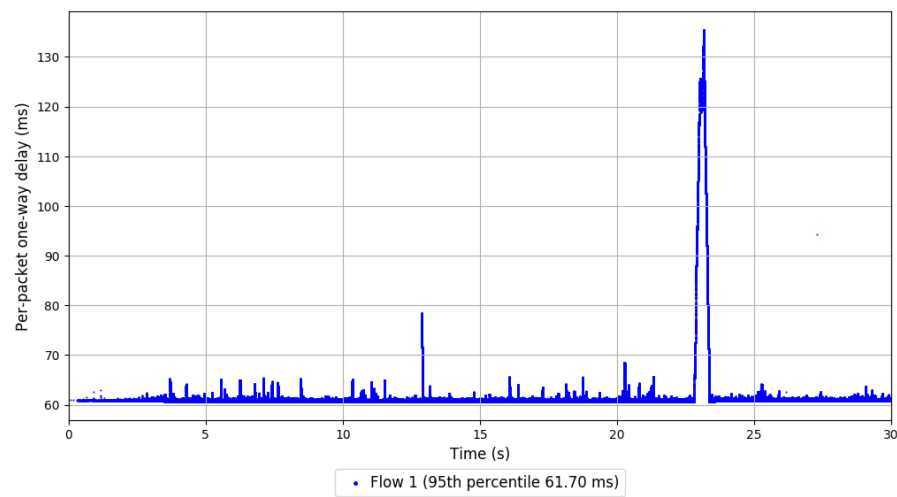
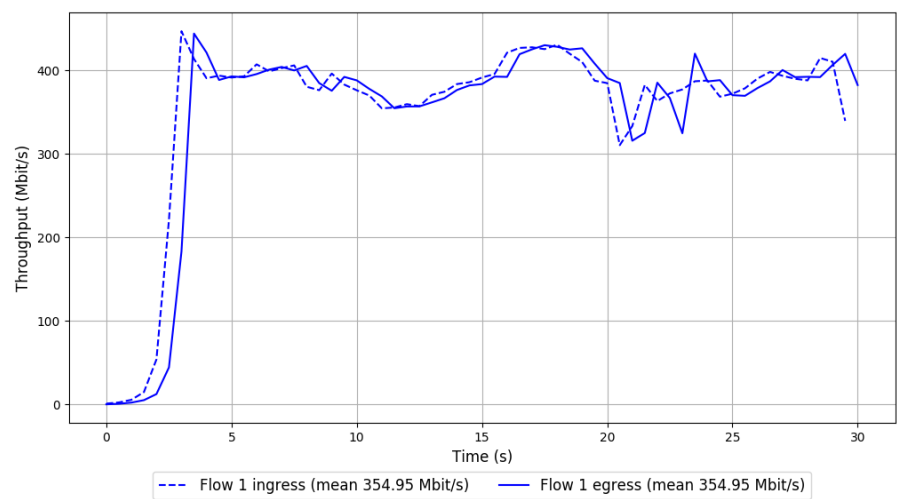


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-19 00:17:10
End at: 2018-07-19 00:17:40
Local clock offset: -0.069 ms
Remote clock offset: -0.368 ms

Below is generated by plot.py at 2018-07-19 04:16:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.95 Mbit/s
95th percentile per-packet one-way delay: 61.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 354.95 Mbit/s
95th percentile per-packet one-way delay: 61.698 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

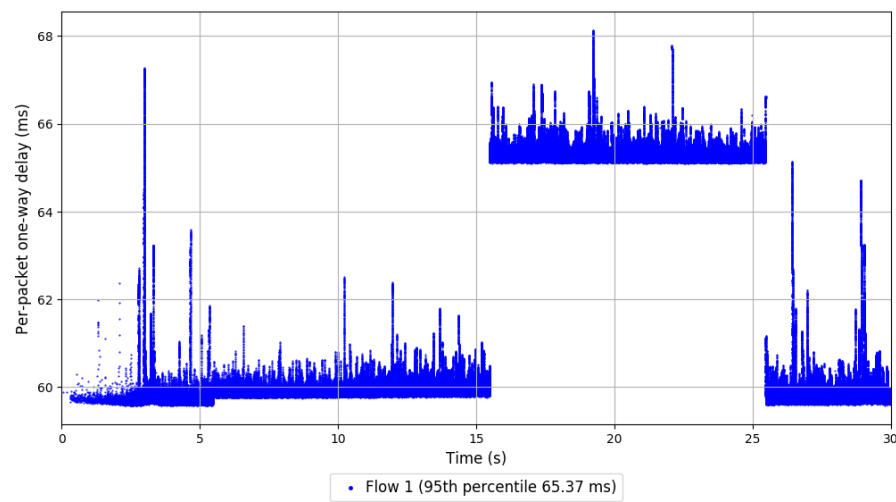
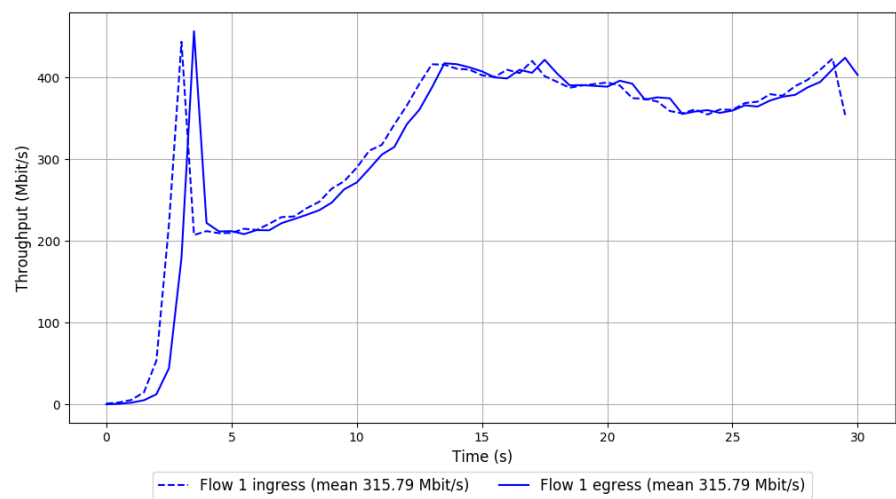


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-19 00:38:39
End at: 2018-07-19 00:39:09
Local clock offset: -0.045 ms
Remote clock offset: -1.356 ms

Below is generated by plot.py at 2018-07-19 04:16:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.79 Mbit/s
95th percentile per-packet one-way delay: 65.370 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 315.79 Mbit/s
95th percentile per-packet one-way delay: 65.370 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

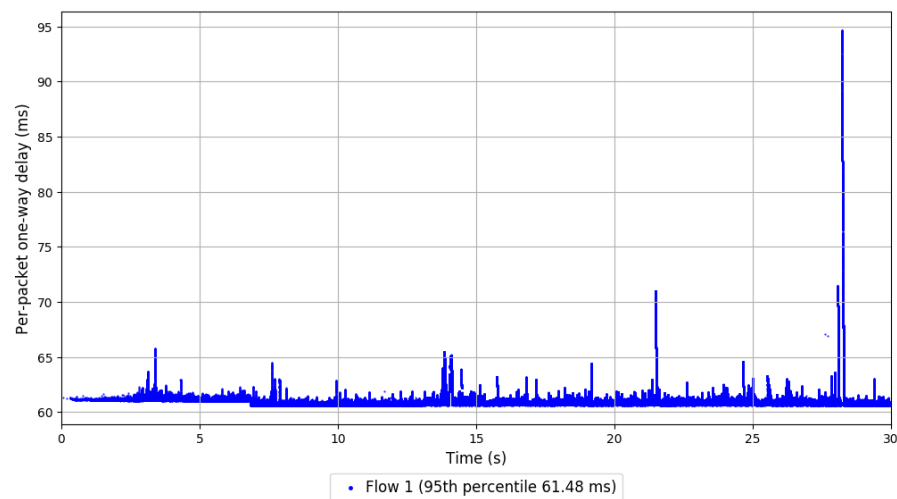
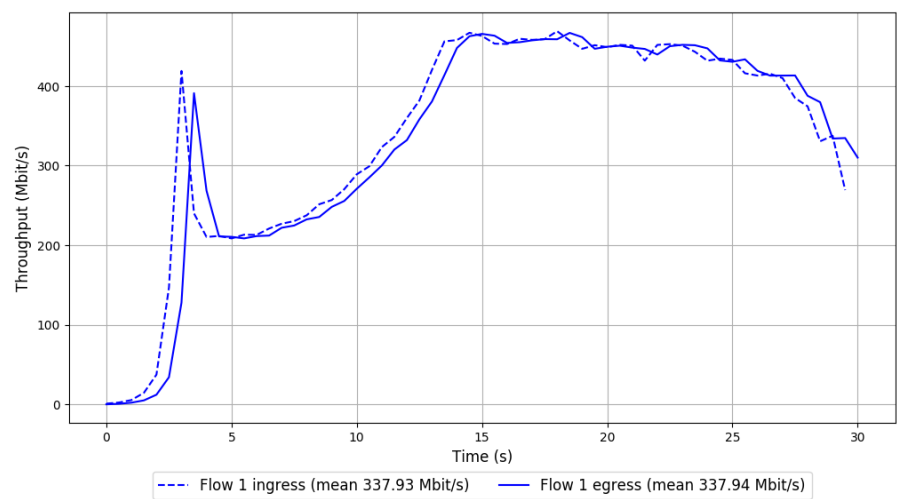


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-19 01:00:27
End at: 2018-07-19 01:00:57
Local clock offset: -0.058 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-19 04:16:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.94 Mbit/s
95th percentile per-packet one-way delay: 61.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 337.94 Mbit/s
95th percentile per-packet one-way delay: 61.479 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-19 01:22:21

End at: 2018-07-19 01:22:51

Local clock offset: -0.036 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-07-19 04:16:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.37 Mbit/s

95th percentile per-packet one-way delay: 62.008 ms

Loss rate: 0.00%

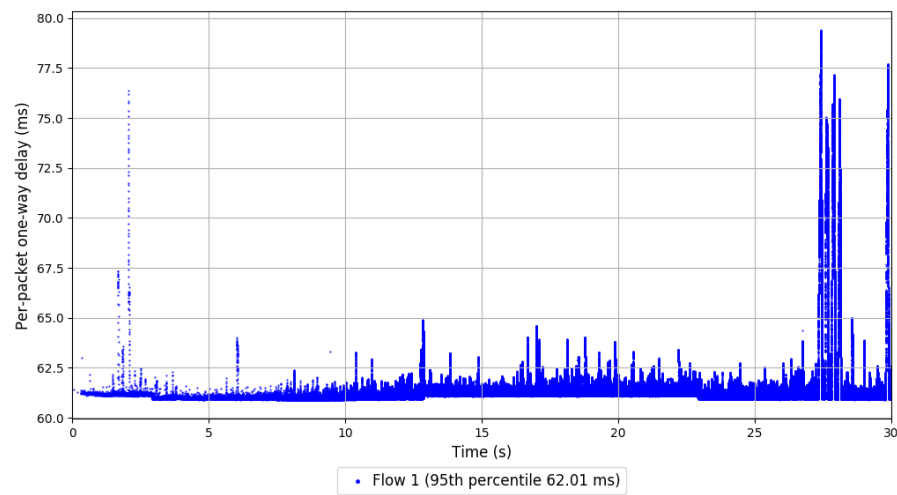
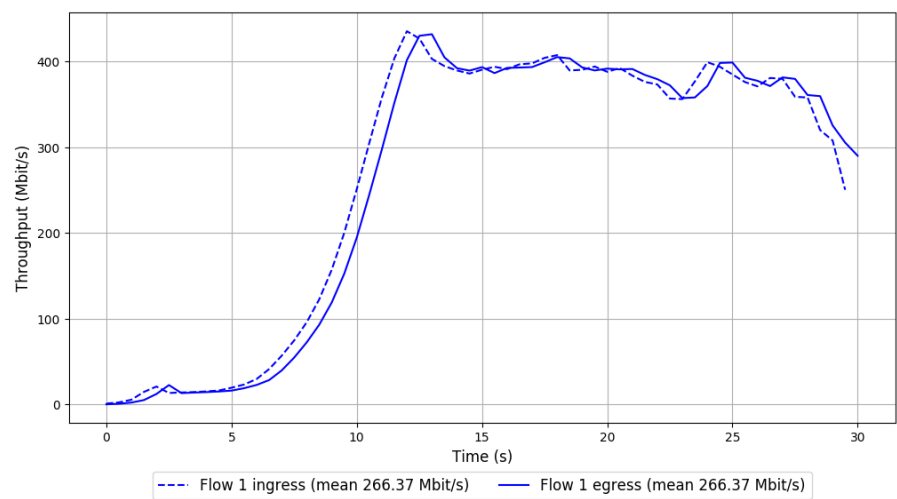
-- Flow 1:

Average throughput: 266.37 Mbit/s

95th percentile per-packet one-way delay: 62.008 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-19 01:43:57

End at: 2018-07-19 01:44:27

Local clock offset: 0.026 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-19 04:16:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.51 Mbit/s

95th percentile per-packet one-way delay: 61.298 ms

Loss rate: 0.00%

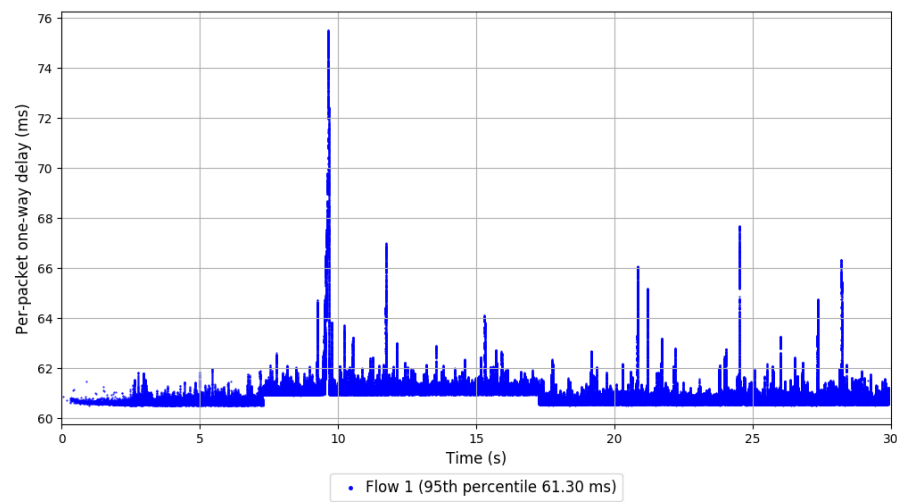
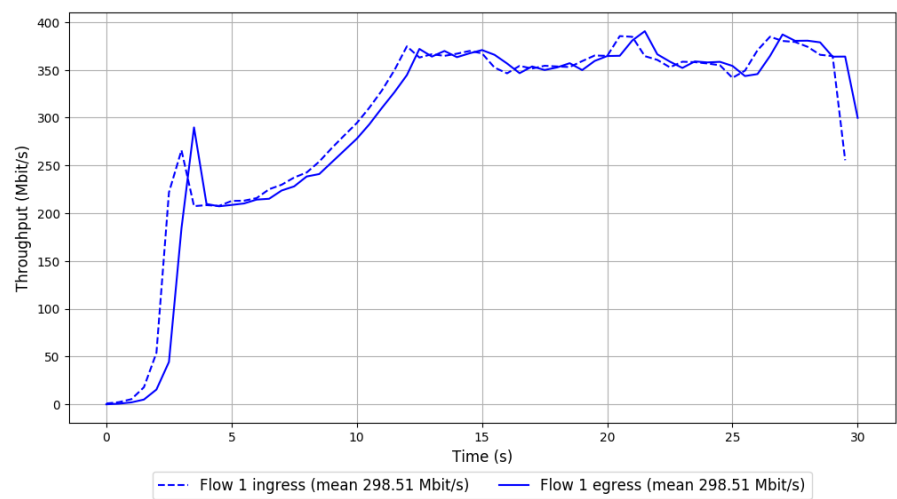
-- Flow 1:

Average throughput: 298.51 Mbit/s

95th percentile per-packet one-way delay: 61.298 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

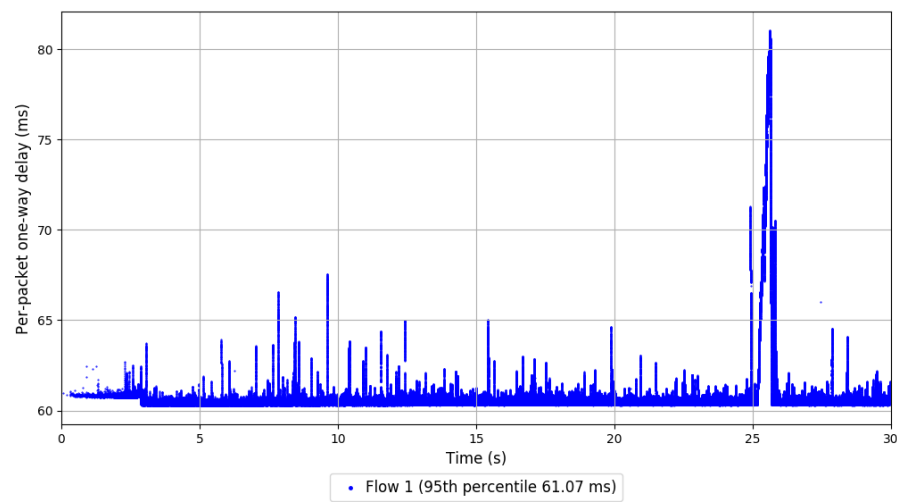
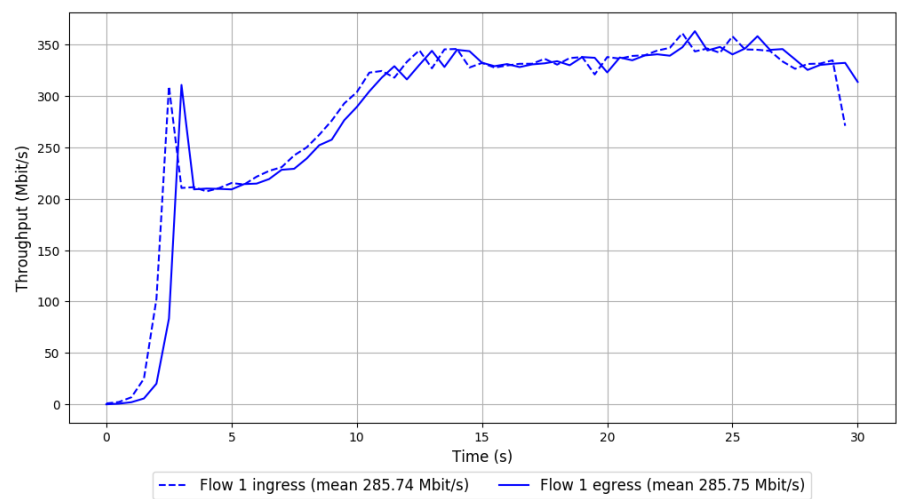


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-19 02:05:41
End at: 2018-07-19 02:06:11
Local clock offset: 0.003 ms
Remote clock offset: -0.354 ms

Below is generated by plot.py at 2018-07-19 04:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 285.75 Mbit/s
95th percentile per-packet one-way delay: 61.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 285.75 Mbit/s
95th percentile per-packet one-way delay: 61.070 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

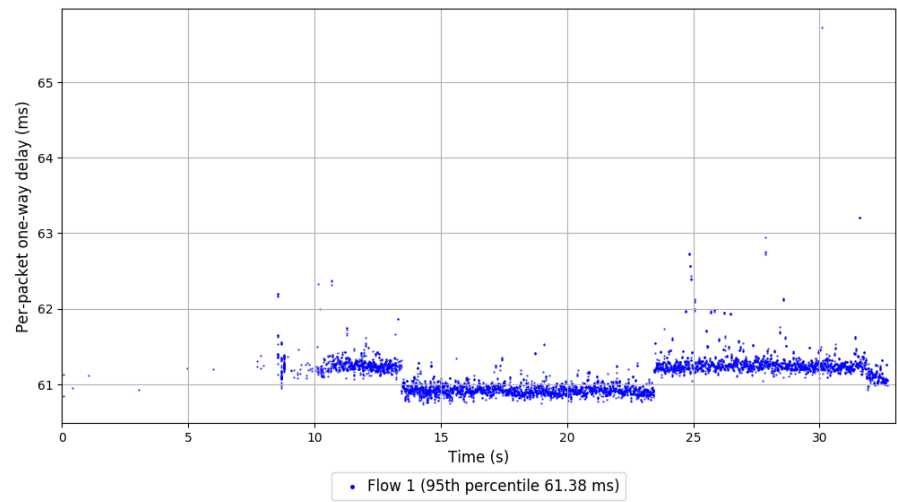
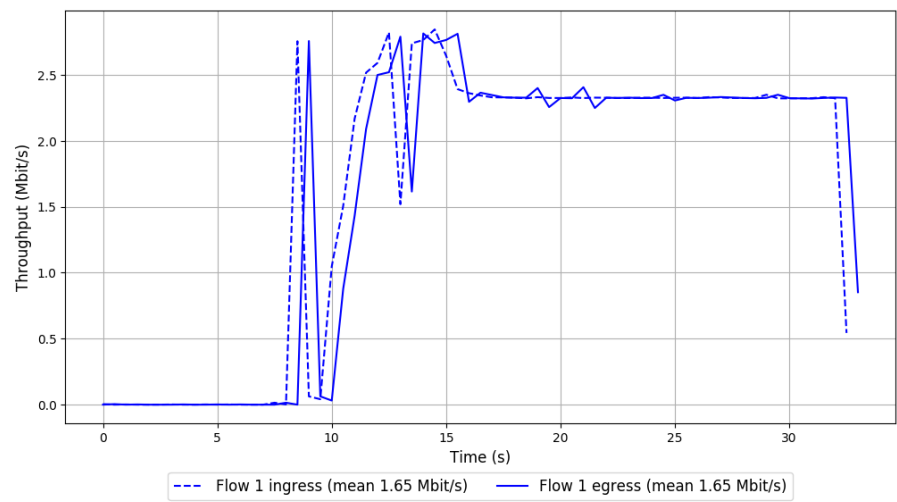


Run 1: Statistics of WebRTC media

Start at: 2018-07-18 23:08:43
End at: 2018-07-18 23:09:13
Local clock offset: -0.022 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-19 04:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 61.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 61.377 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

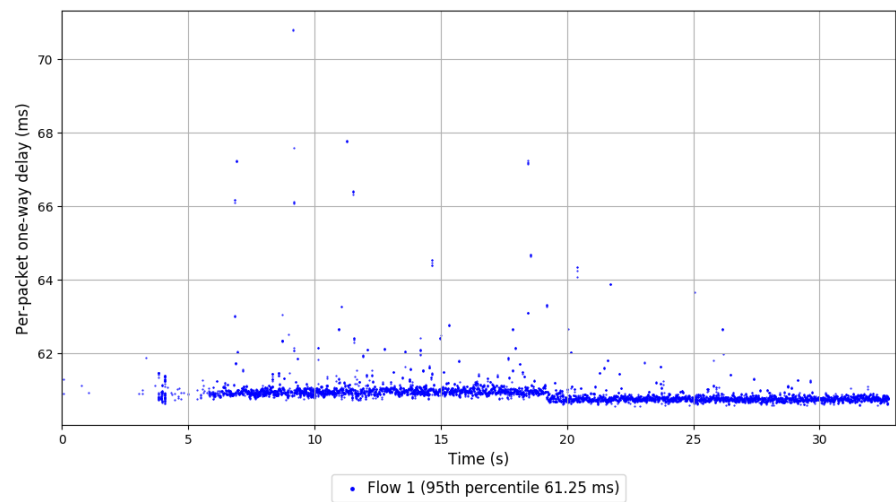
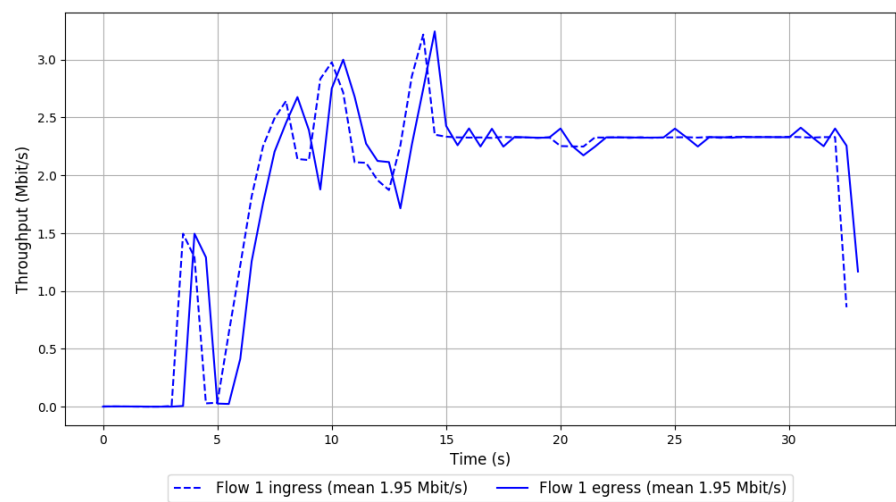


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 23:30:17
End at: 2018-07-18 23:30:47
Local clock offset: -0.008 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-07-19 04:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.250 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

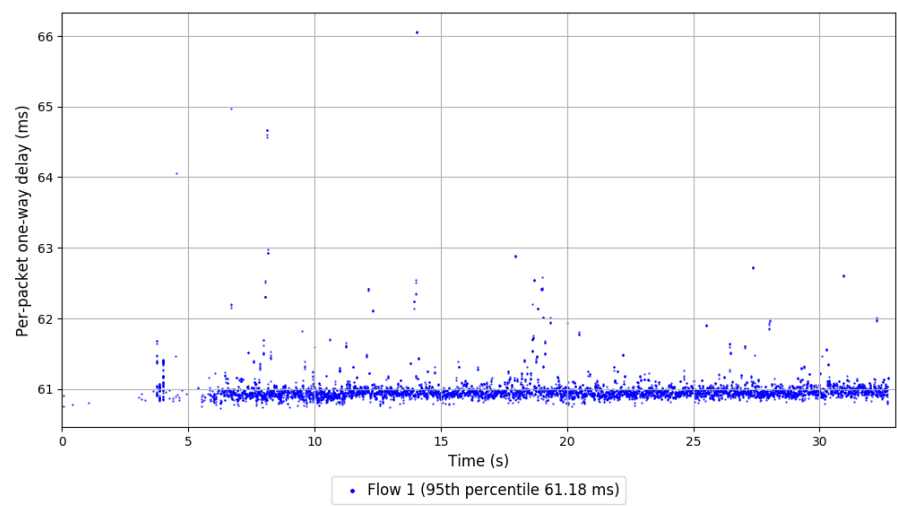
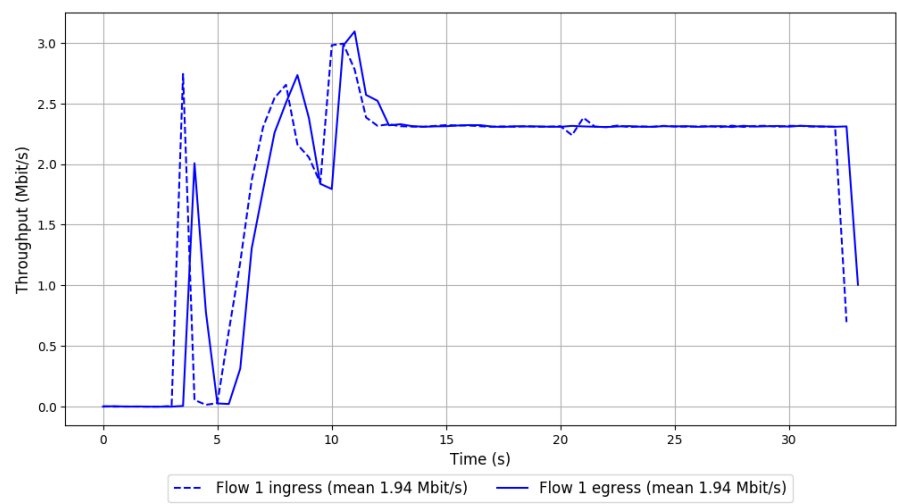


Run 3: Statistics of WebRTC media

Start at: 2018-07-18 23:51:45
End at: 2018-07-18 23:52:15
Local clock offset: -0.057 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-19 04:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.184 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

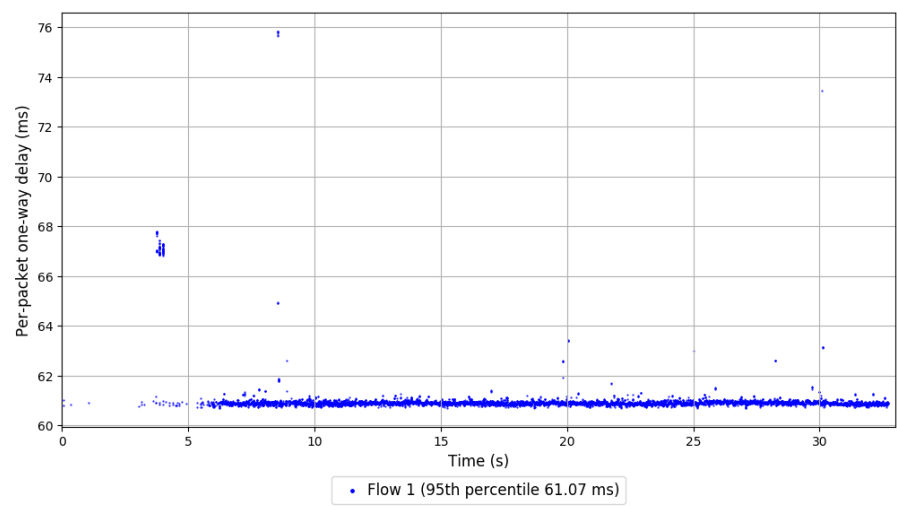
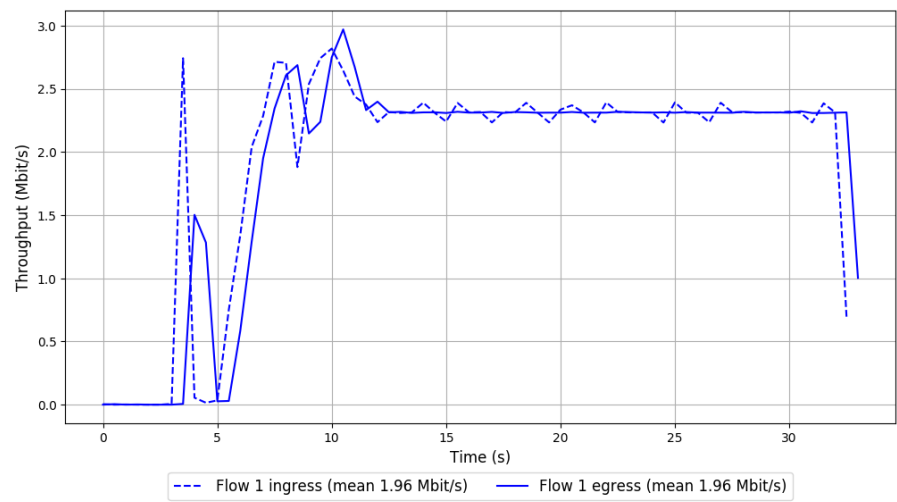


Run 4: Statistics of WebRTC media

Start at: 2018-07-19 00:13:17
End at: 2018-07-19 00:13:47
Local clock offset: -0.048 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-19 04:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 61.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 61.073 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-19 00:34:54

End at: 2018-07-19 00:35:24

Local clock offset: -0.037 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-07-19 04:16:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 62.734 ms

Loss rate: 0.00%

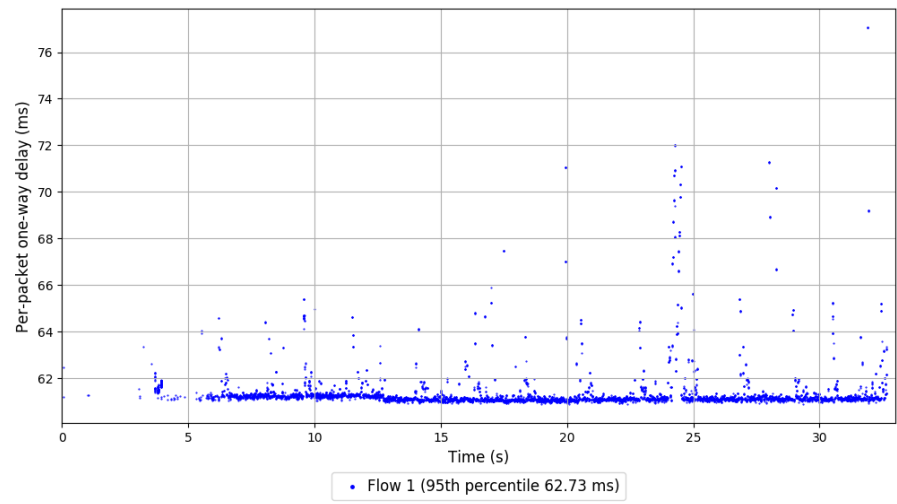
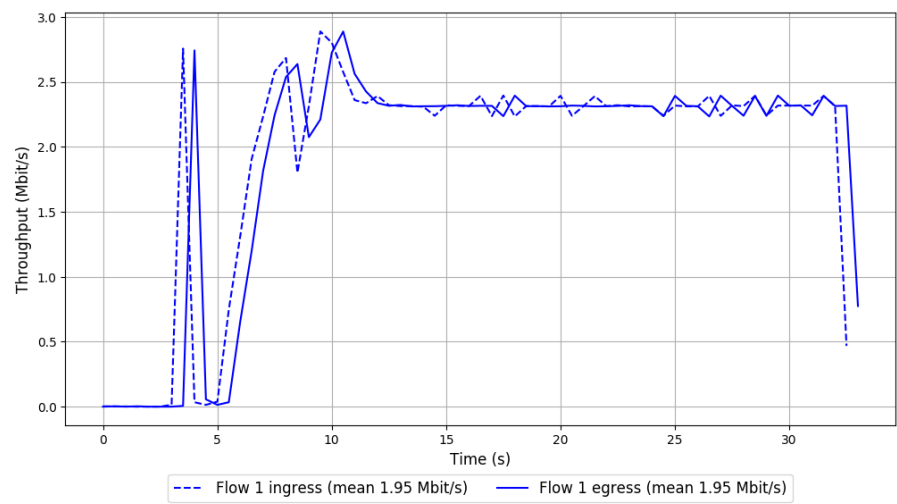
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 62.734 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

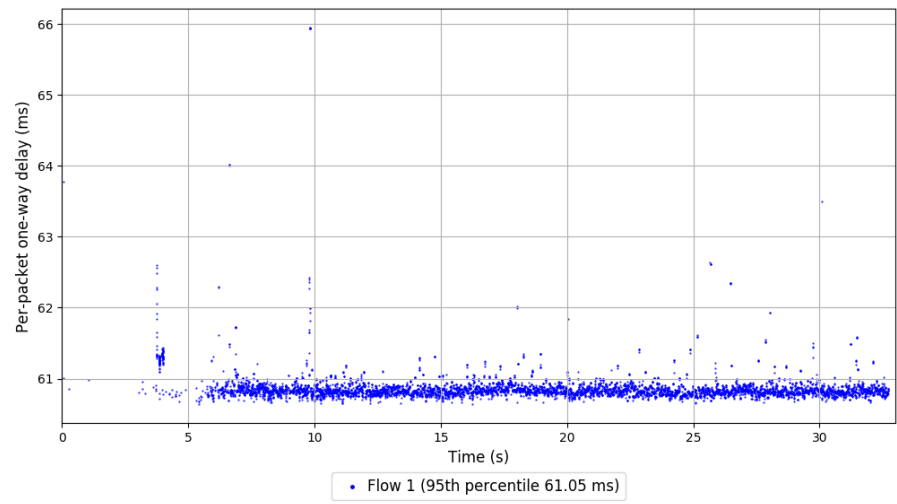
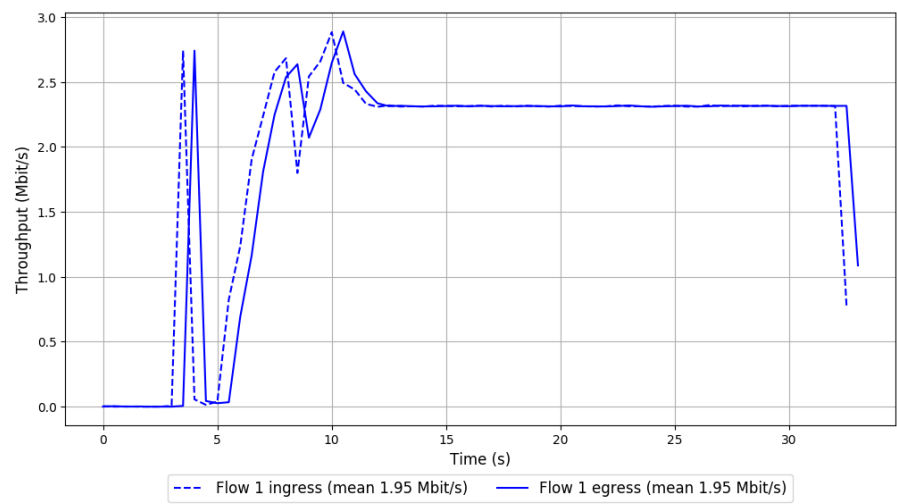


Run 6: Statistics of WebRTC media

Start at: 2018-07-19 00:56:37
End at: 2018-07-19 00:57:07
Local clock offset: -0.037 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-19 04:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.051 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

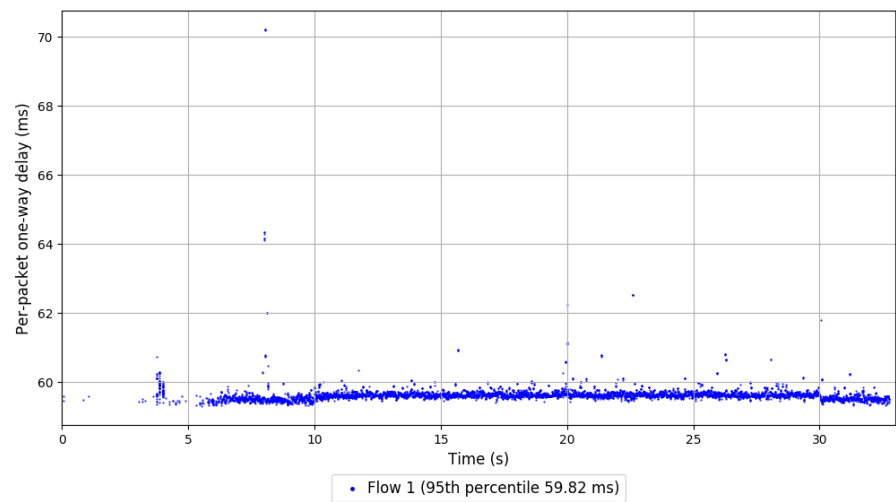
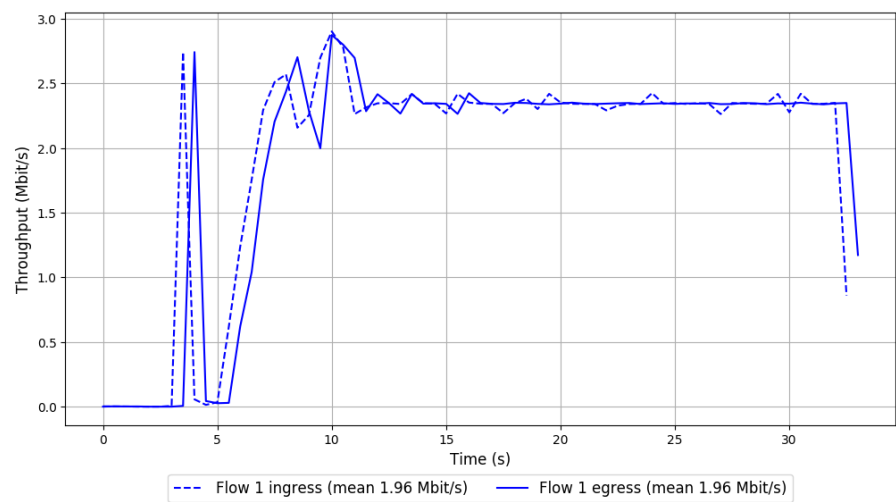


Run 7: Statistics of WebRTC media

Start at: 2018-07-19 01:18:27
End at: 2018-07-19 01:18:57
Local clock offset: 0.007 ms
Remote clock offset: -1.312 ms

Below is generated by plot.py at 2018-07-19 04:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 59.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 59.821 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-19 01:40:03

End at: 2018-07-19 01:40:33

Local clock offset: 0.007 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-19 04:16:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 61.292 ms

Loss rate: 0.00%

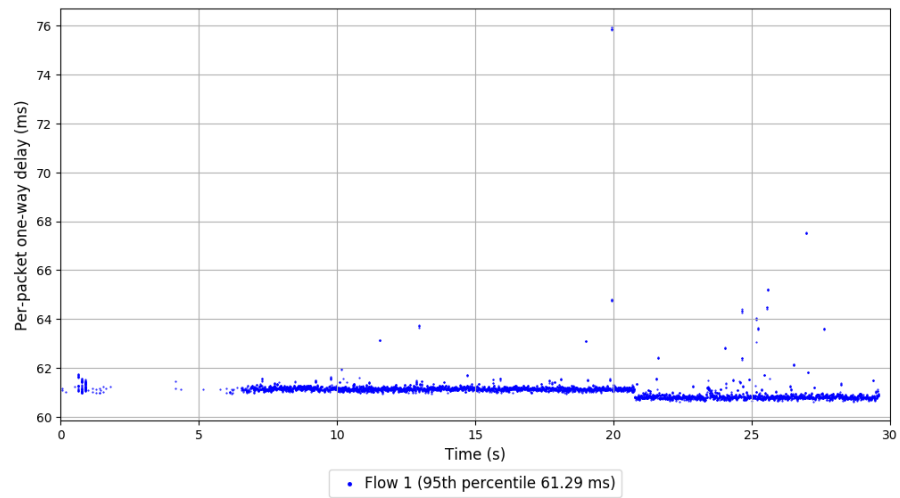
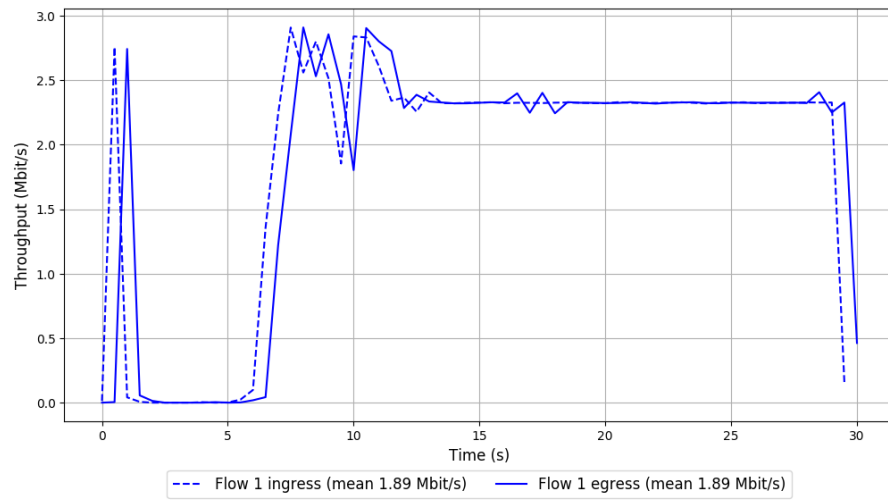
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 61.292 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

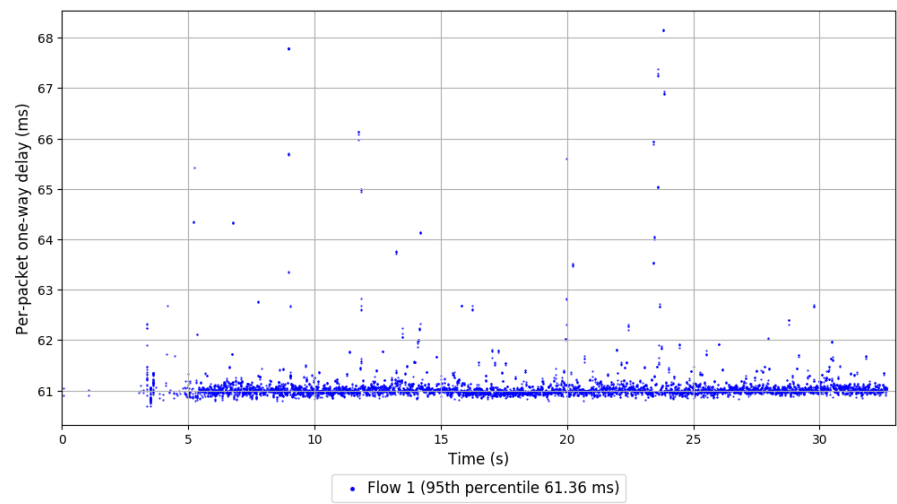
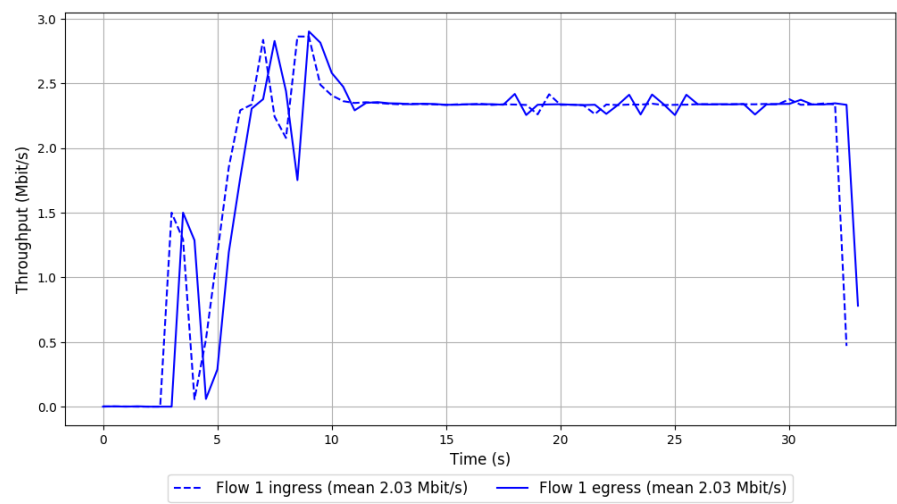


Run 9: Statistics of WebRTC media

Start at: 2018-07-19 02:01:51
End at: 2018-07-19 02:02:21
Local clock offset: 0.03 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-07-19 04:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.362 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-19 02:23:28

End at: 2018-07-19 02:23:58

Local clock offset: 0.006 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-19 04:16:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 61.085 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 61.085 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

