

Pantheon Report

Generated at 2018-07-26 04:32:47 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

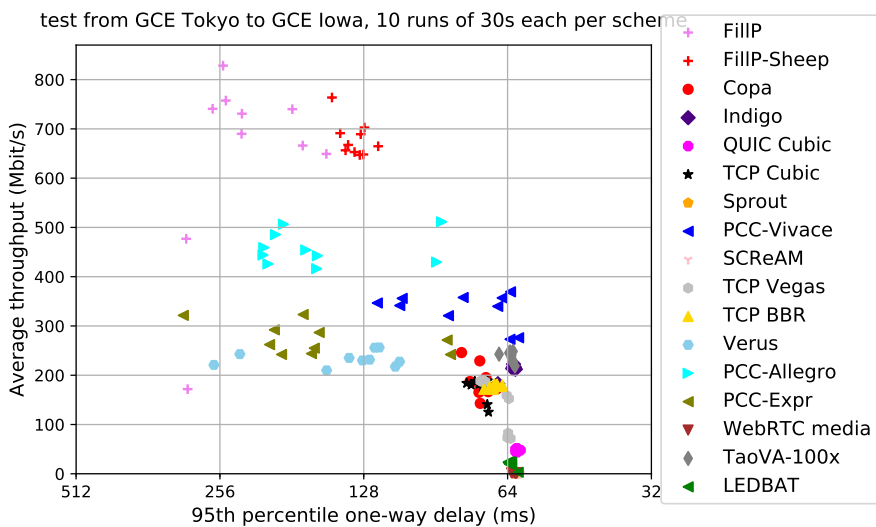
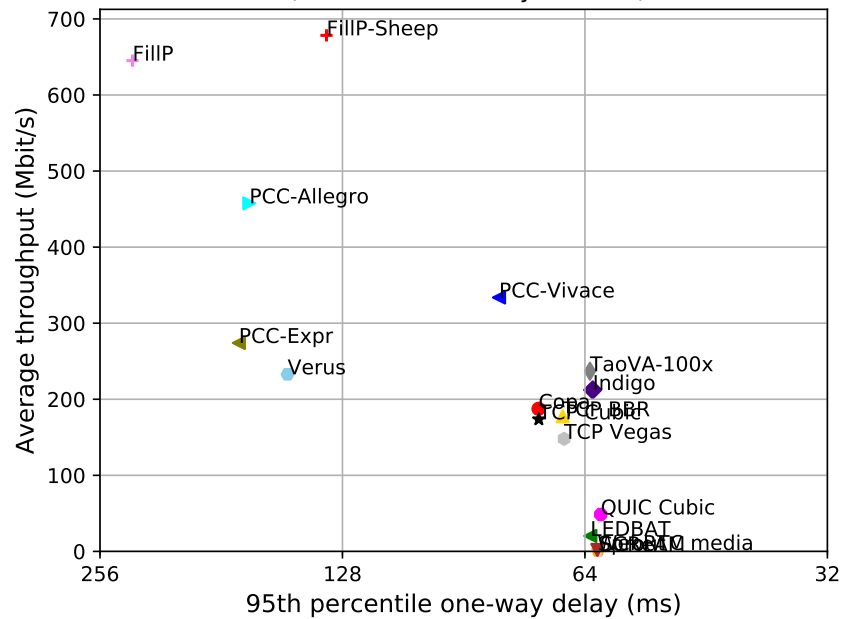
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Tokyo to GCE Iowa, 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	177.60	68.20	0.39
Copa	10	187.42	73.08	0.41
TCP Cubic	10	173.60	73.02	0.43
FillP	10	645.14	233.28	4.50
FillP-Sheep	10	678.37	133.97	0.77
Indigo	10	212.22	62.60	0.42
LEDBAT	10	20.28	63.03	0.98
PCC-Allegro	10	457.50	167.05	1.15
PCC-Expr	10	274.01	172.15	2.93
QUIC Cubic	9	48.59	61.18	0.64
SCReAM	10	0.22	61.30	0.41
Sprout	10	1.02	61.65	0.29
TaoVA-100x	9	236.84	63.09	0.43
TCP Vegas	10	147.95	67.93	0.43
Verus	10	232.79	149.76	1.38
PCC-Vivace	10	333.78	81.83	0.51
WebRTC media	10	1.88	61.77	0.48

Run 1: Statistics of TCP BBR

Start at: 2018-07-25 22:41:23

End at: 2018-07-25 22:41:53

Local clock offset: -0.179 ms

Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-26 02:38:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.81 Mbit/s

95th percentile per-packet one-way delay: 68.528 ms

Loss rate: 0.43%

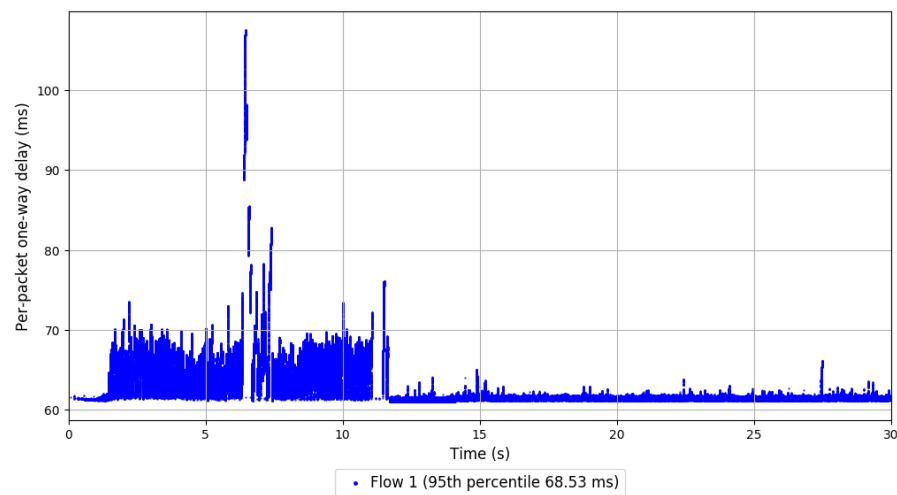
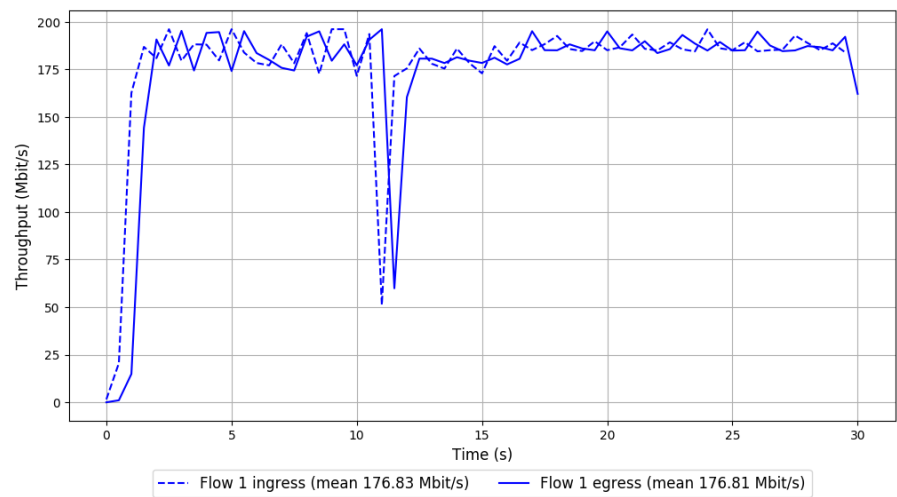
-- Flow 1:

Average throughput: 176.81 Mbit/s

95th percentile per-packet one-way delay: 68.528 ms

Loss rate: 0.43%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-25 23:03:29

End at: 2018-07-25 23:03:59

Local clock offset: -0.121 ms

Remote clock offset: 1.01 ms

Below is generated by plot.py at 2018-07-26 02:38:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.47 Mbit/s

95th percentile per-packet one-way delay: 71.744 ms

Loss rate: 0.47%

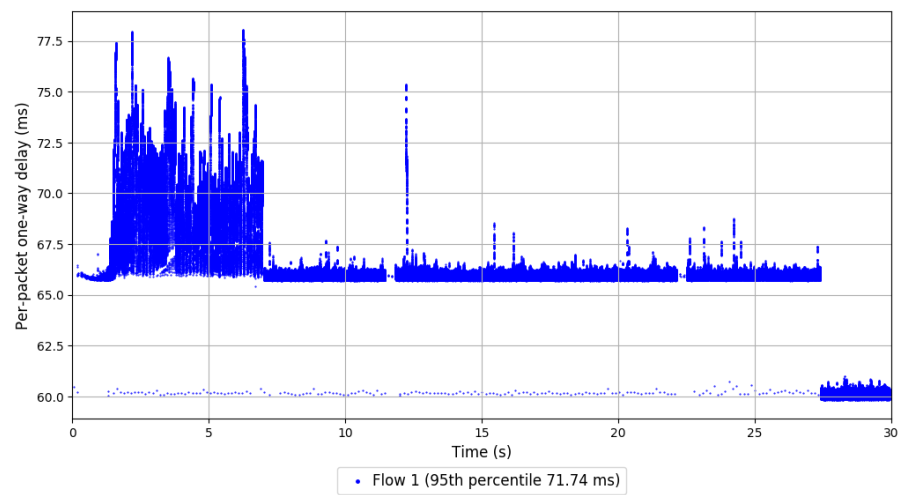
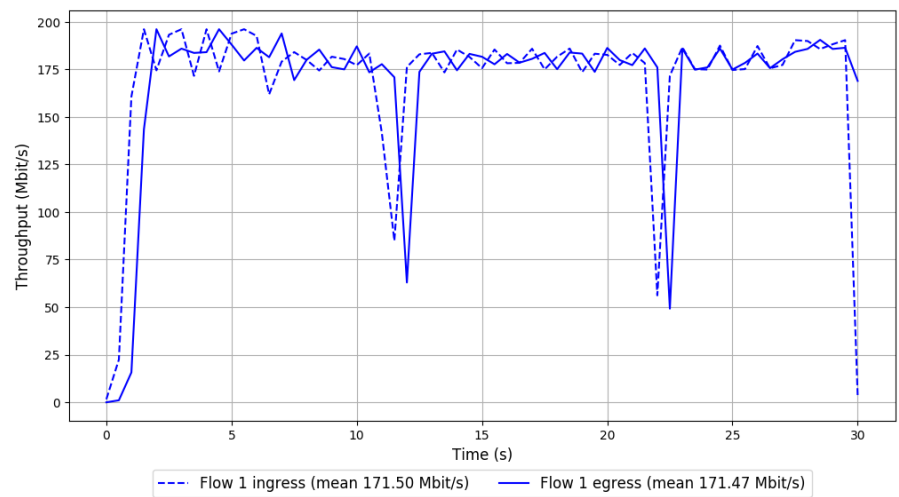
-- Flow 1:

Average throughput: 171.47 Mbit/s

95th percentile per-packet one-way delay: 71.744 ms

Loss rate: 0.47%

Run 2: Report of TCP BBR — Data Link

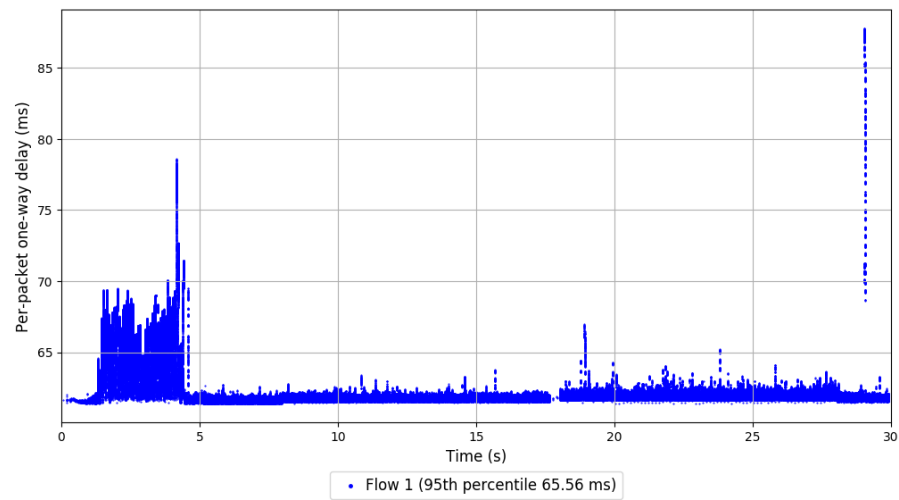
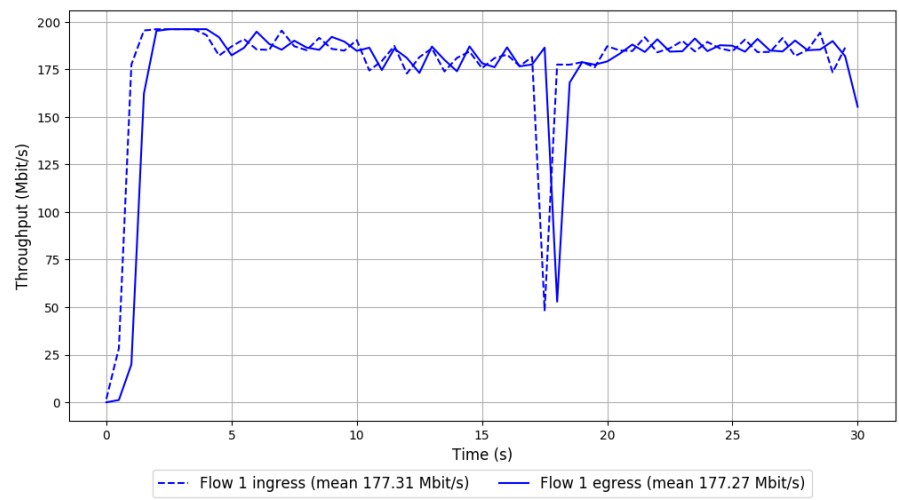


Run 3: Statistics of TCP BBR

Start at: 2018-07-25 23:25:09
End at: 2018-07-25 23:25:39
Local clock offset: -0.091 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-07-26 02:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.27 Mbit/s
95th percentile per-packet one-way delay: 65.562 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 177.27 Mbit/s
95th percentile per-packet one-way delay: 65.562 ms
Loss rate: 0.44%

Run 3: Report of TCP BBR — Data Link

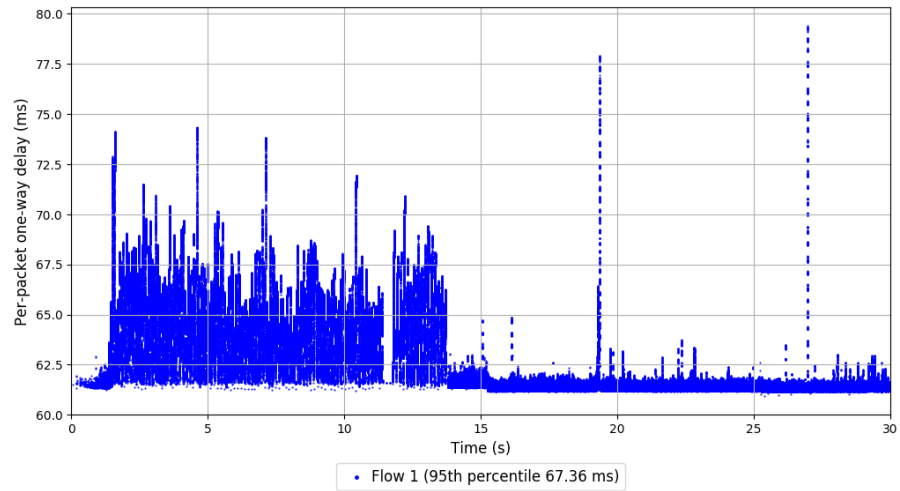
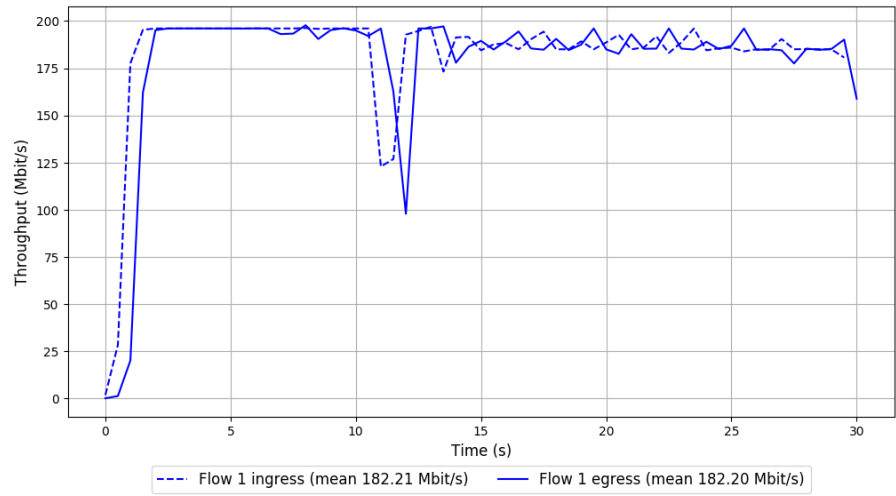


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 23:47:32
End at: 2018-07-25 23:48:02
Local clock offset: -0.055 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-26 02:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.20 Mbit/s
95th percentile per-packet one-way delay: 67.355 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 182.20 Mbit/s
95th percentile per-packet one-way delay: 67.355 ms
Loss rate: 0.42%

Run 4: Report of TCP BBR — Data Link

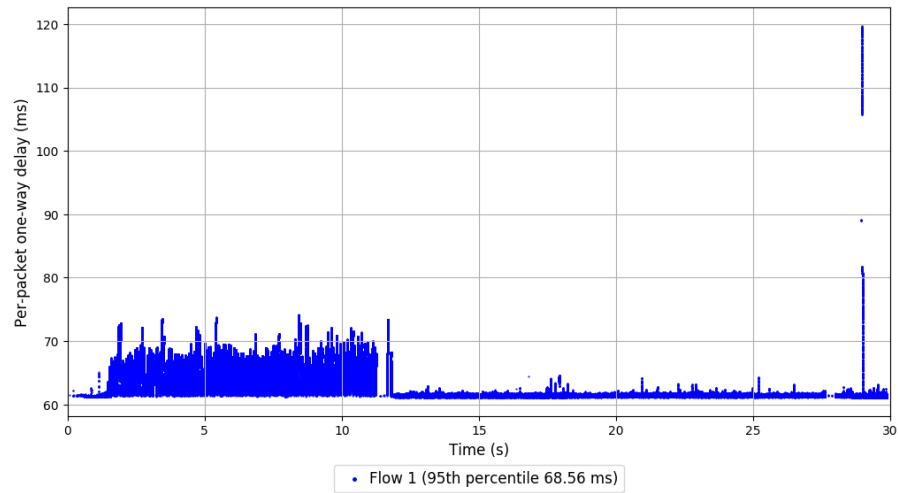
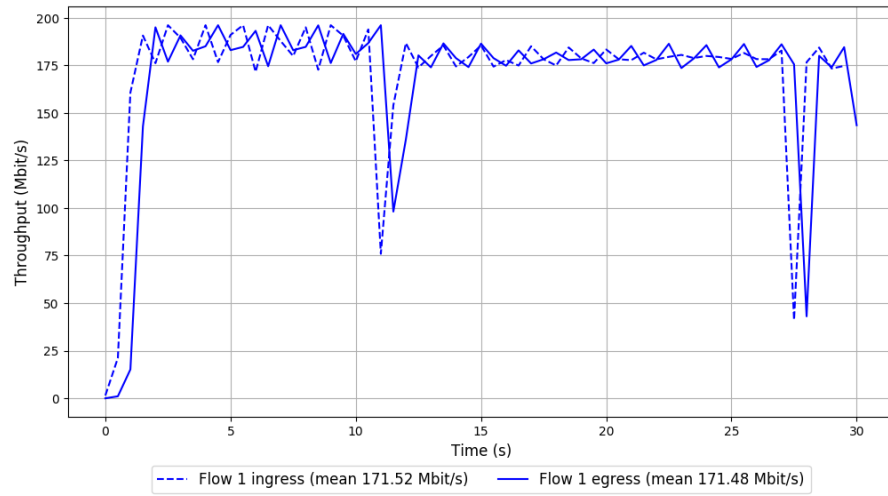


Run 5: Statistics of TCP BBR

Start at: 2018-07-26 00:09:38
End at: 2018-07-26 00:10:08
Local clock offset: -0.115 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-26 02:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.48 Mbit/s
95th percentile per-packet one-way delay: 68.563 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 171.48 Mbit/s
95th percentile per-packet one-way delay: 68.563 ms
Loss rate: 0.48%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-26 00:31:52

End at: 2018-07-26 00:32:22

Local clock offset: -0.086 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-26 02:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.98 Mbit/s

95th percentile per-packet one-way delay: 69.687 ms

Loss rate: 0.43%

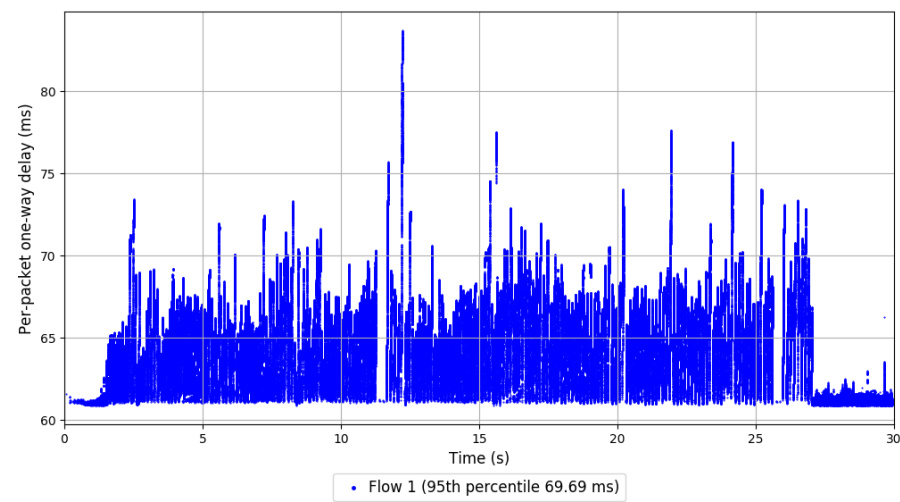
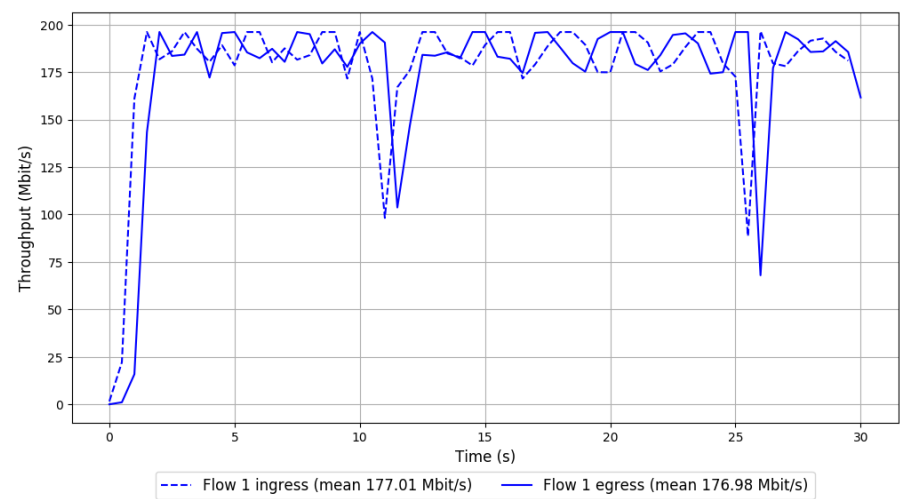
-- Flow 1:

Average throughput: 176.98 Mbit/s

95th percentile per-packet one-way delay: 69.687 ms

Loss rate: 0.43%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-26 00:54:19

End at: 2018-07-26 00:54:49

Local clock offset: -0.036 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-26 02:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.78 Mbit/s

95th percentile per-packet one-way delay: 68.494 ms

Loss rate: 0.40%

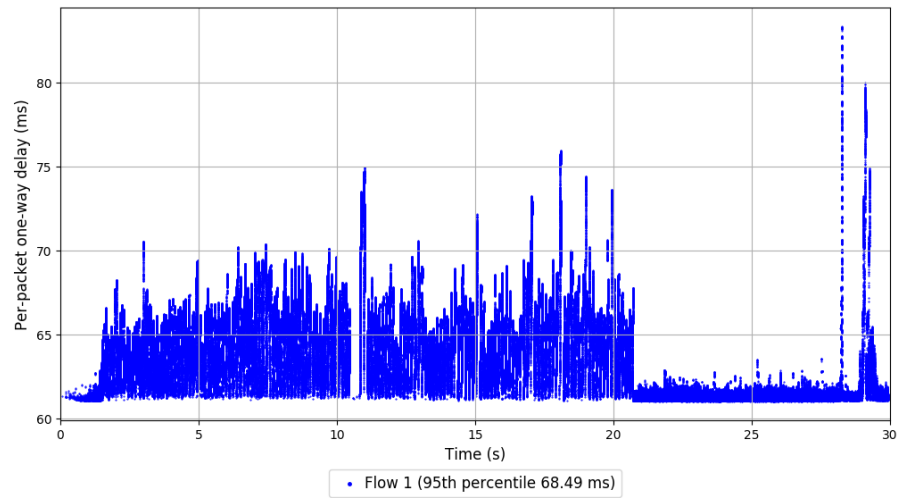
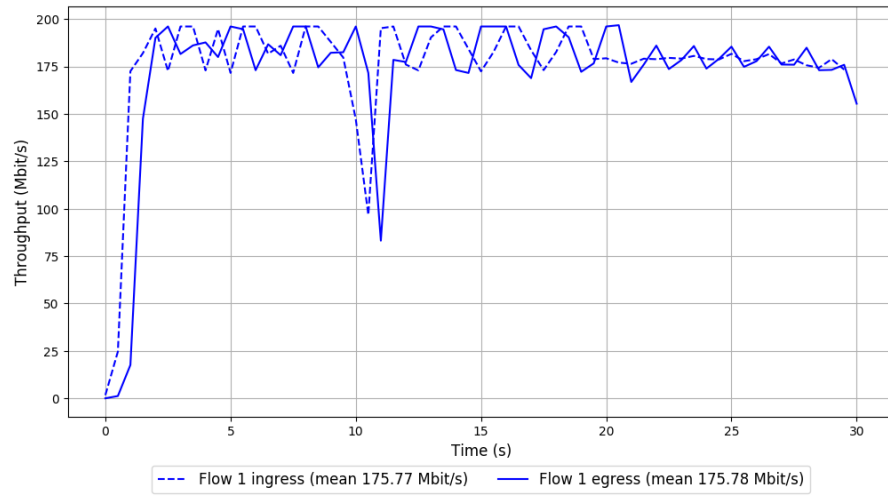
-- Flow 1:

Average throughput: 175.78 Mbit/s

95th percentile per-packet one-way delay: 68.494 ms

Loss rate: 0.40%

Run 7: Report of TCP BBR — Data Link

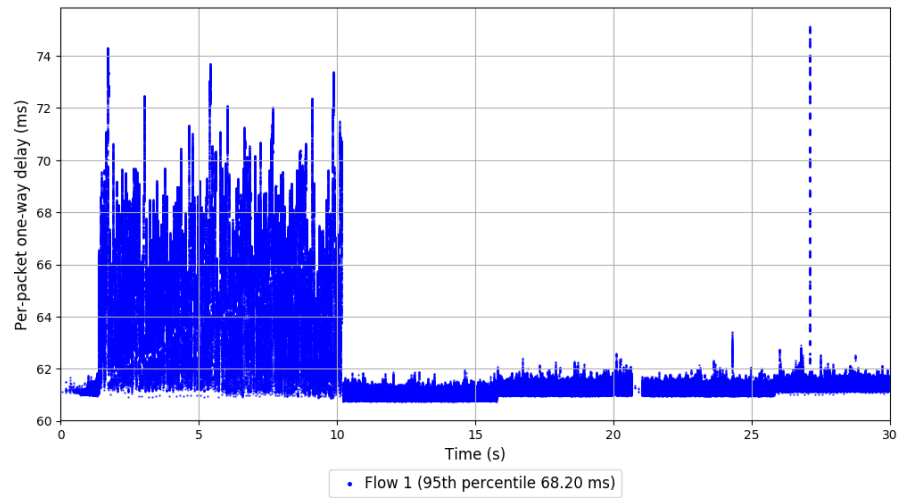
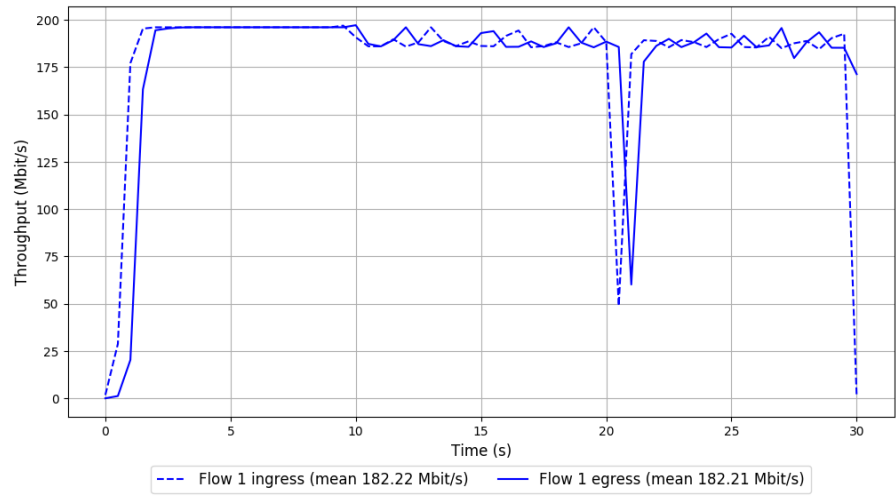


Run 8: Statistics of TCP BBR

Start at: 2018-07-26 01:16:31
End at: 2018-07-26 01:17:01
Local clock offset: -0.064 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-26 02:38:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.21 Mbit/s
95th percentile per-packet one-way delay: 68.197 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 182.21 Mbit/s
95th percentile per-packet one-way delay: 68.197 ms
Loss rate: 0.42%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-26 01:38:49

End at: 2018-07-26 01:39:19

Local clock offset: -0.071 ms

Remote clock offset: 1.318 ms

Below is generated by plot.py at 2018-07-26 02:40:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.55 Mbit/s

95th percentile per-packet one-way delay: 68.238 ms

Loss rate: 0.00%

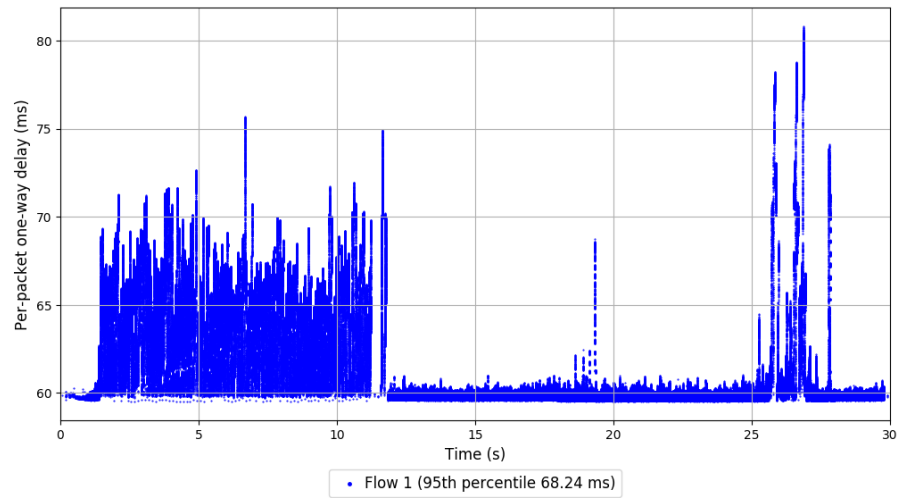
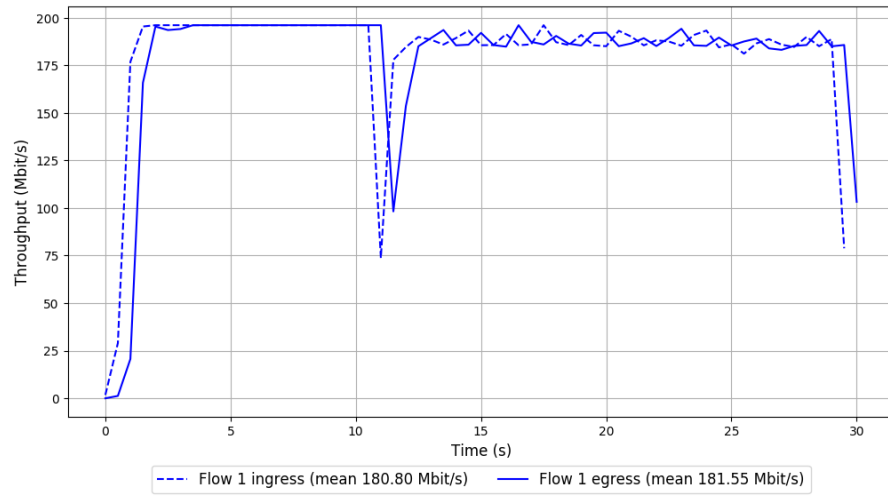
-- Flow 1:

Average throughput: 181.55 Mbit/s

95th percentile per-packet one-way delay: 68.238 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-26 02:01:03

End at: 2018-07-26 02:01:33

Local clock offset: -0.076 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-07-26 02:40:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.25 Mbit/s

95th percentile per-packet one-way delay: 65.665 ms

Loss rate: 0.42%

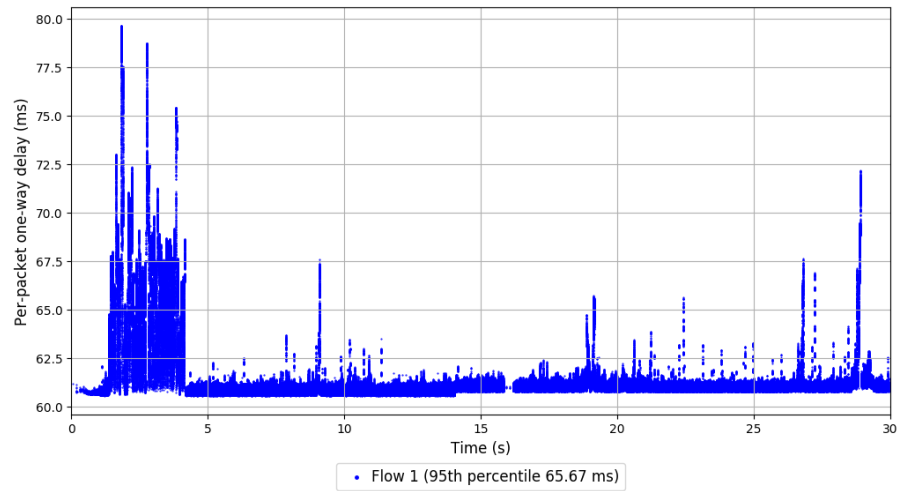
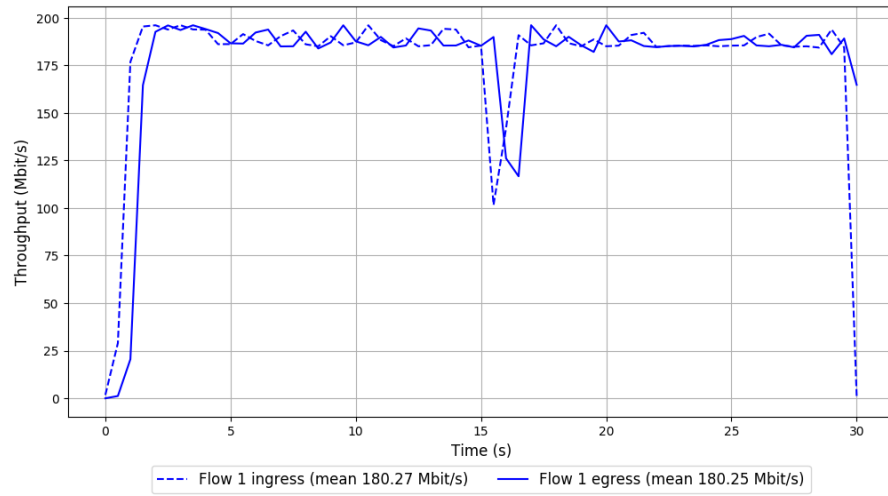
-- Flow 1:

Average throughput: 180.25 Mbit/s

95th percentile per-packet one-way delay: 65.665 ms

Loss rate: 0.42%

Run 10: Report of TCP BBR — Data Link

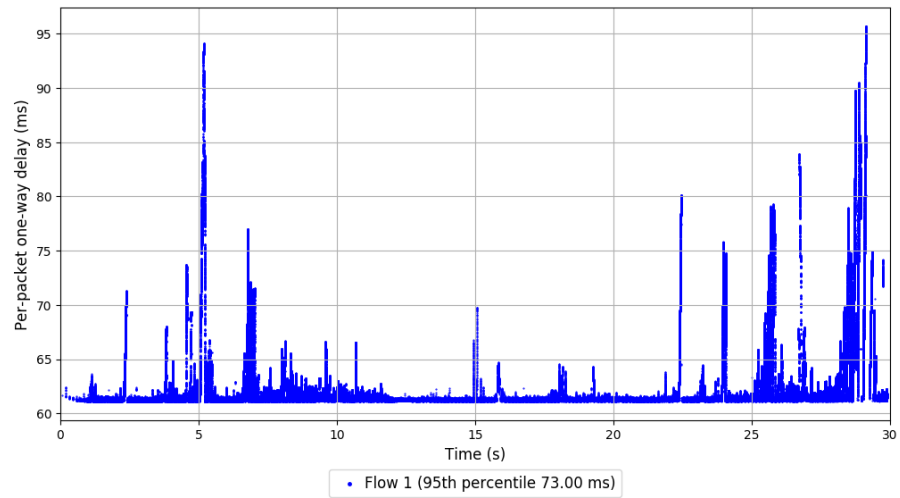
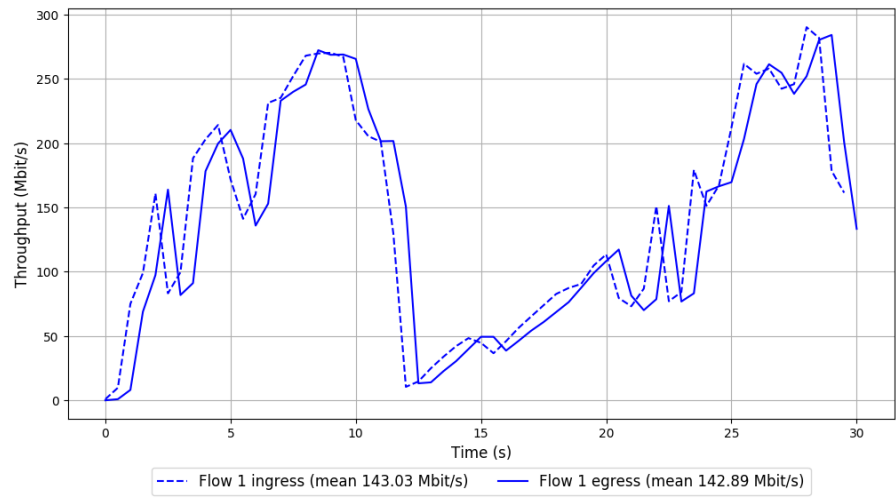


Run 1: Statistics of Copa

Start at: 2018-07-25 22:42:37
End at: 2018-07-25 22:43:08
Local clock offset: -0.185 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-26 02:42:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.89 Mbit/s
95th percentile per-packet one-way delay: 73.004 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 142.89 Mbit/s
95th percentile per-packet one-way delay: 73.004 ms
Loss rate: 0.52%

Run 1: Report of Copa — Data Link

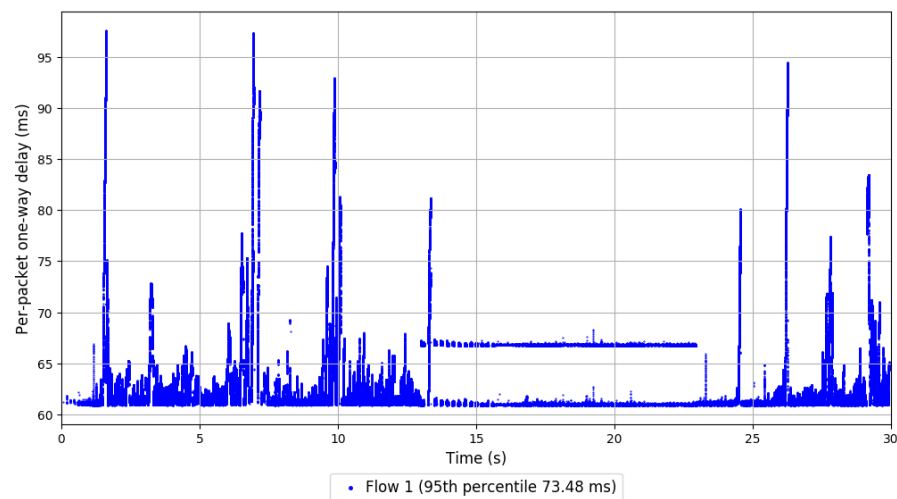
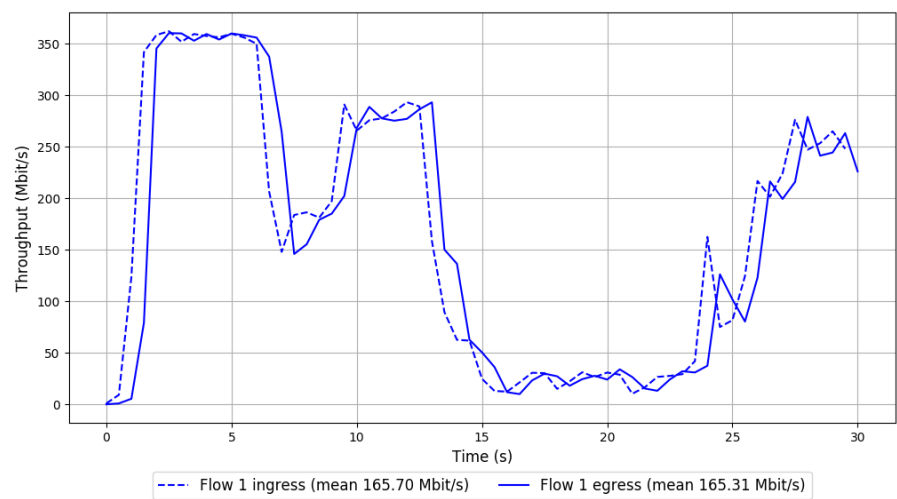


Run 2: Statistics of Copa

Start at: 2018-07-25 23:04:44
End at: 2018-07-25 23:05:14
Local clock offset: -0.126 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-26 02:43:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.31 Mbit/s
95th percentile per-packet one-way delay: 73.479 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 165.31 Mbit/s
95th percentile per-packet one-way delay: 73.479 ms
Loss rate: 0.64%

Run 2: Report of Copa — Data Link

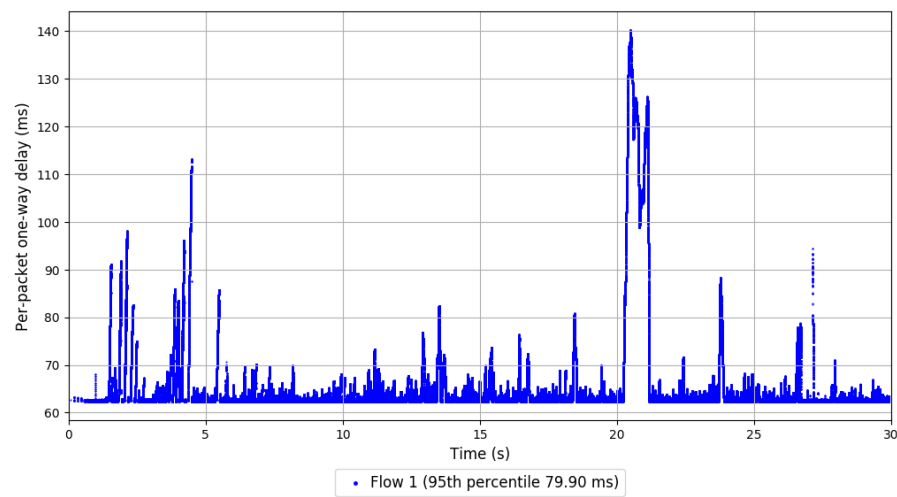
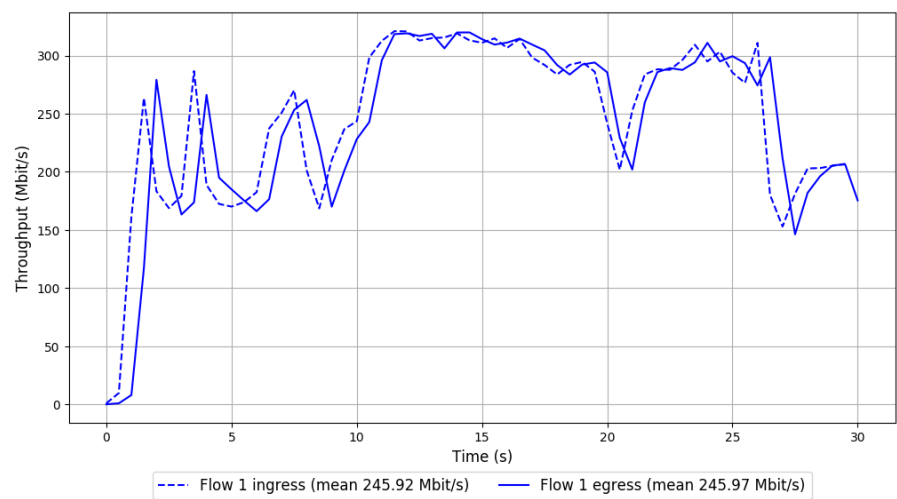


Run 3: Statistics of Copa

Start at: 2018-07-25 23:26:23
End at: 2018-07-25 23:26:53
Local clock offset: -0.102 ms
Remote clock offset: -1.33 ms

Below is generated by plot.py at 2018-07-26 02:46:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.97 Mbit/s
95th percentile per-packet one-way delay: 79.898 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 245.97 Mbit/s
95th percentile per-packet one-way delay: 79.898 ms
Loss rate: 0.39%

Run 3: Report of Copa — Data Link

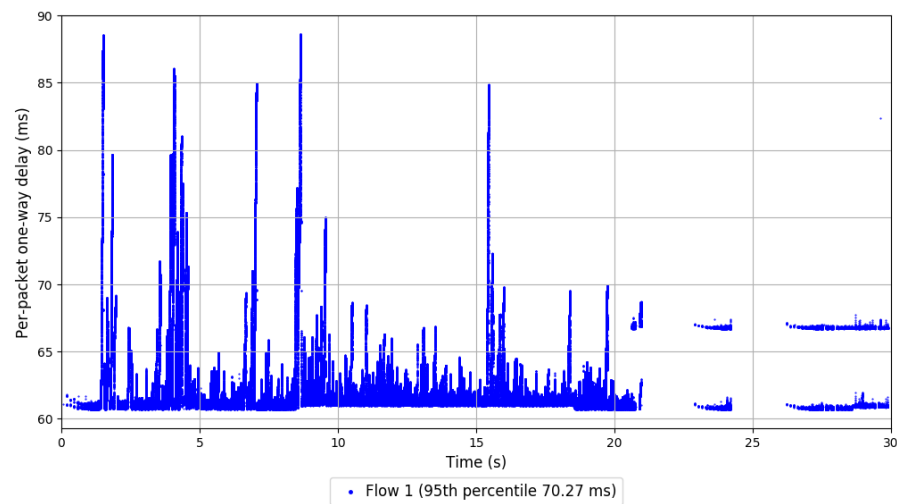
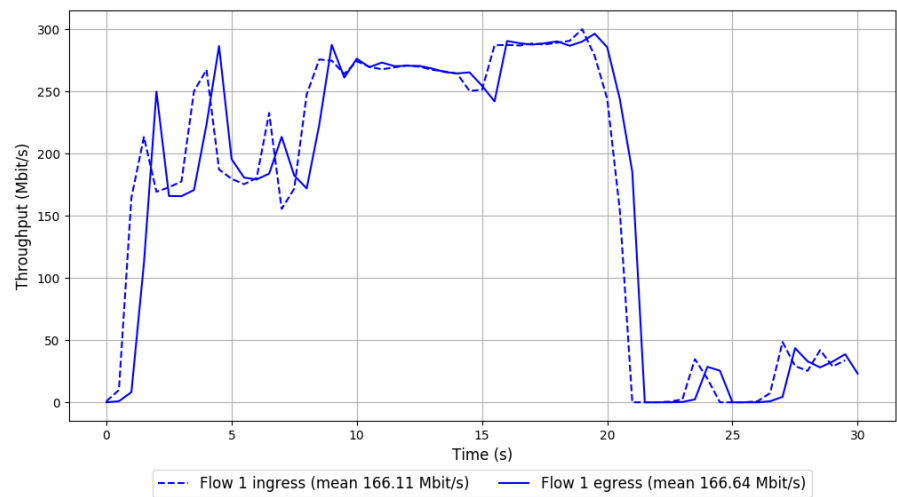


Run 4: Statistics of Copa

Start at: 2018-07-25 23:48:46
End at: 2018-07-25 23:49:16
Local clock offset: -0.151 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-26 02:46:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.64 Mbit/s
95th percentile per-packet one-way delay: 70.270 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 166.64 Mbit/s
95th percentile per-packet one-way delay: 70.270 ms
Loss rate: 0.11%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-26 00:10:52

End at: 2018-07-26 00:11:22

Local clock offset: -0.142 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-26 02:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.12 Mbit/s

95th percentile per-packet one-way delay: 73.175 ms

Loss rate: 0.35%

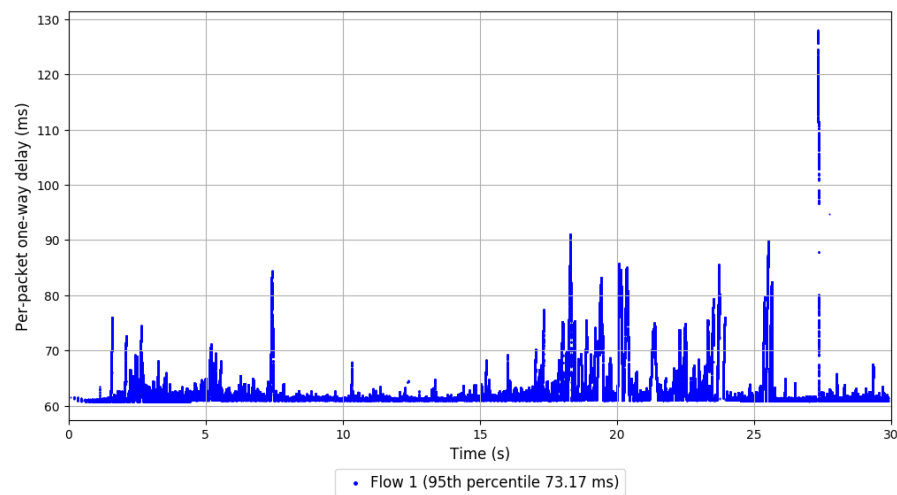
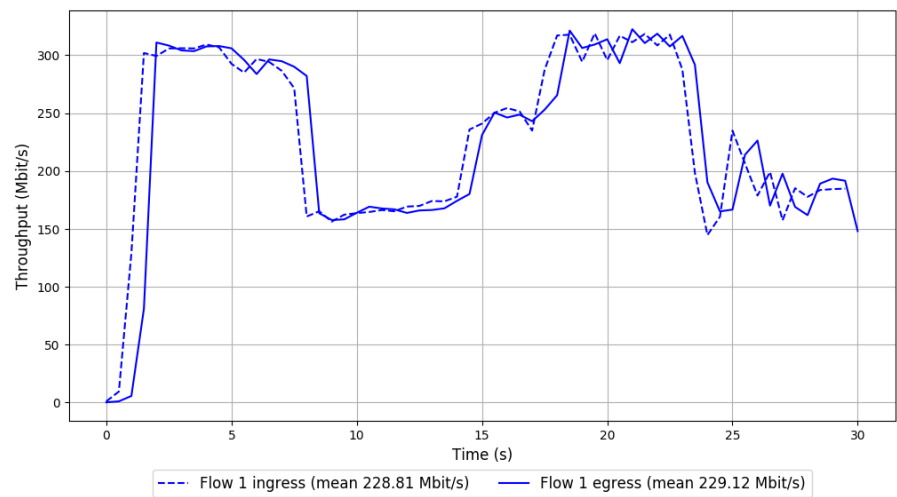
-- Flow 1:

Average throughput: 229.12 Mbit/s

95th percentile per-packet one-way delay: 73.175 ms

Loss rate: 0.35%

Run 5: Report of Copa — Data Link

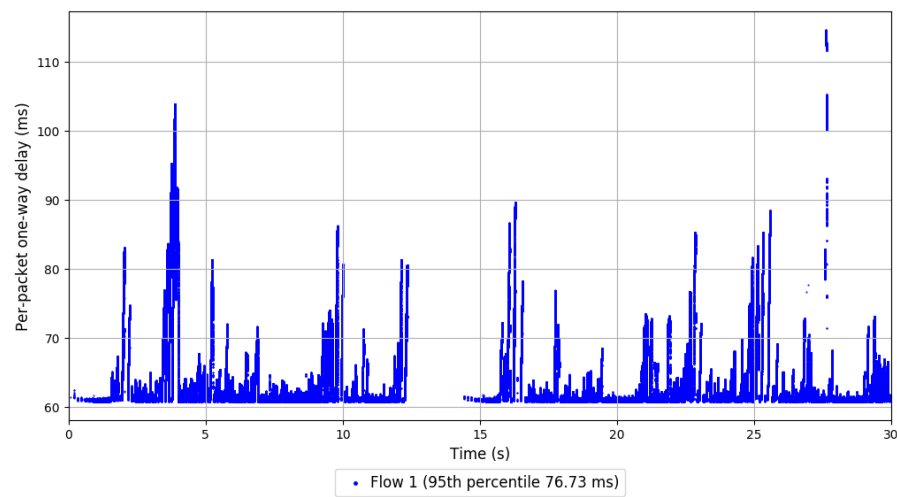
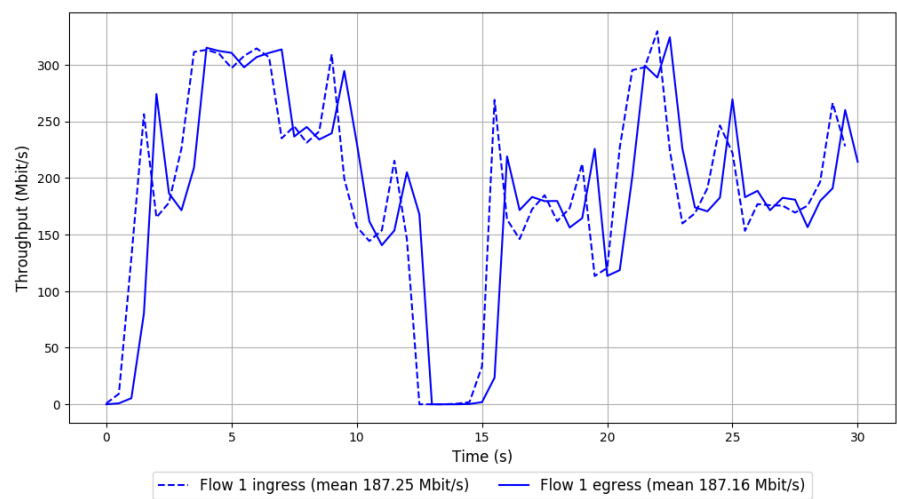


Run 6: Statistics of Copa

Start at: 2018-07-26 00:33:07
End at: 2018-07-26 00:33:37
Local clock offset: -0.042 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-26 02:46:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.16 Mbit/s
95th percentile per-packet one-way delay: 76.729 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 187.16 Mbit/s
95th percentile per-packet one-way delay: 76.729 ms
Loss rate: 0.45%

Run 6: Report of Copa — Data Link

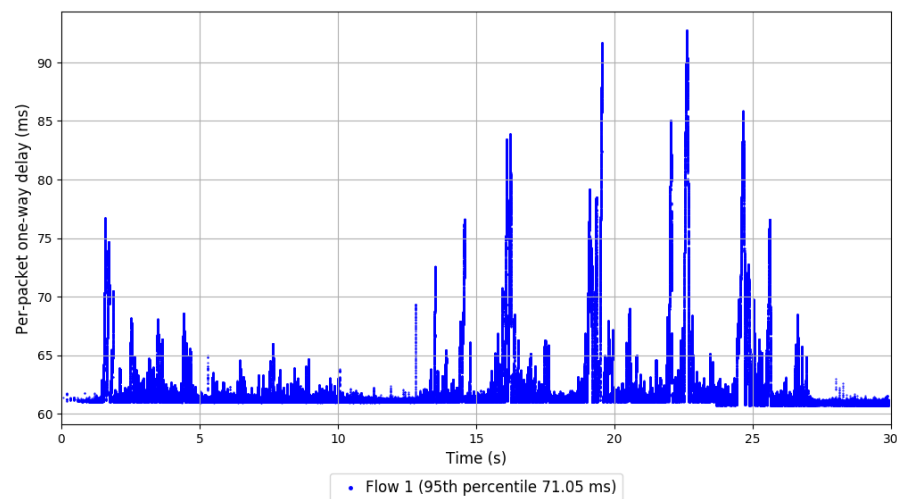
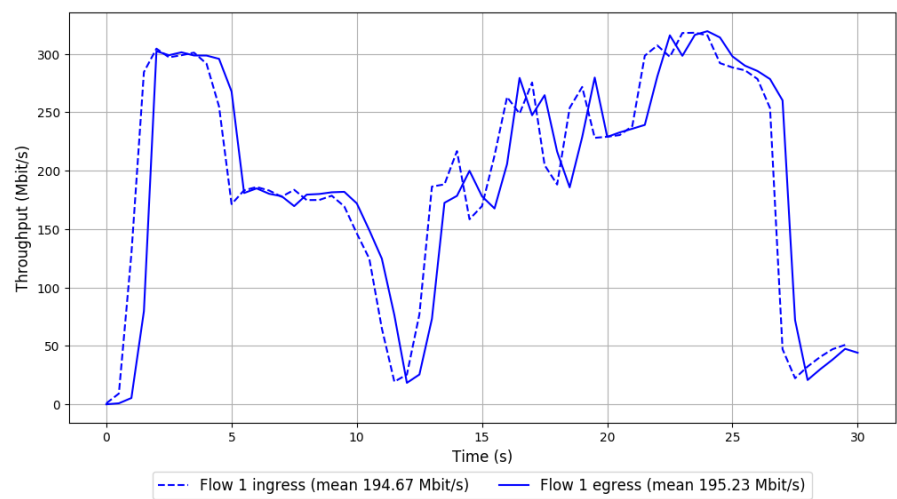


Run 7: Statistics of Copa

Start at: 2018-07-26 00:55:33
End at: 2018-07-26 00:56:03
Local clock offset: -0.046 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-26 02:48:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.23 Mbit/s
95th percentile per-packet one-way delay: 71.046 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 195.23 Mbit/s
95th percentile per-packet one-way delay: 71.046 ms
Loss rate: 0.13%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-26 01:17:46

End at: 2018-07-26 01:18:16

Local clock offset: -0.013 ms

Remote clock offset: 1.148 ms

Below is generated by plot.py at 2018-07-26 02:48:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.49 Mbit/s

95th percentile per-packet one-way delay: 72.381 ms

Loss rate: 0.27%

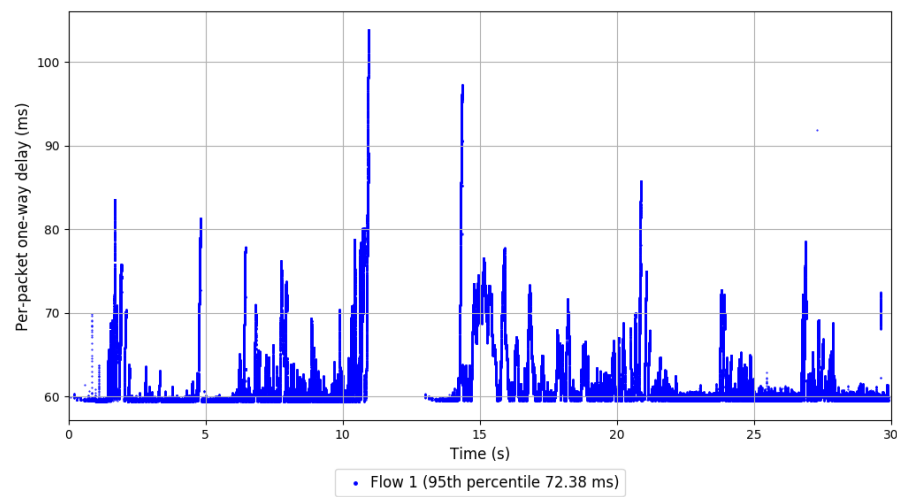
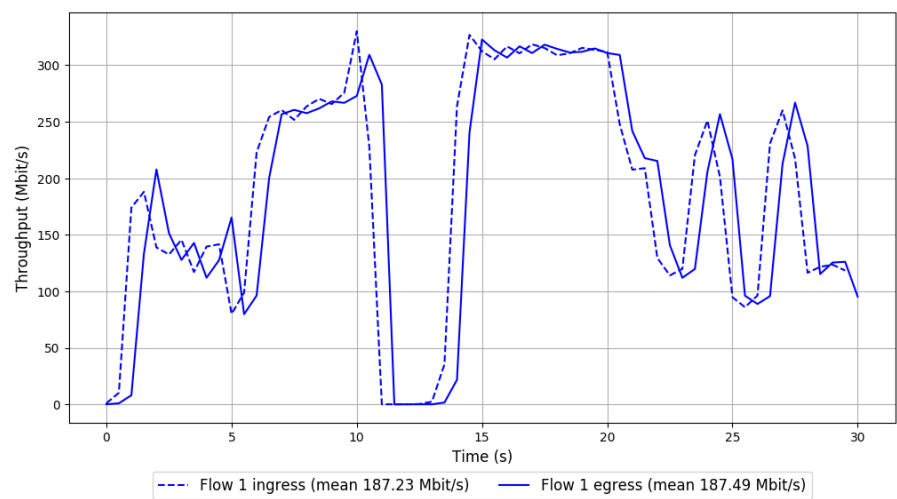
-- Flow 1:

Average throughput: 187.49 Mbit/s

95th percentile per-packet one-way delay: 72.381 ms

Loss rate: 0.27%

Run 8: Report of Copa — Data Link

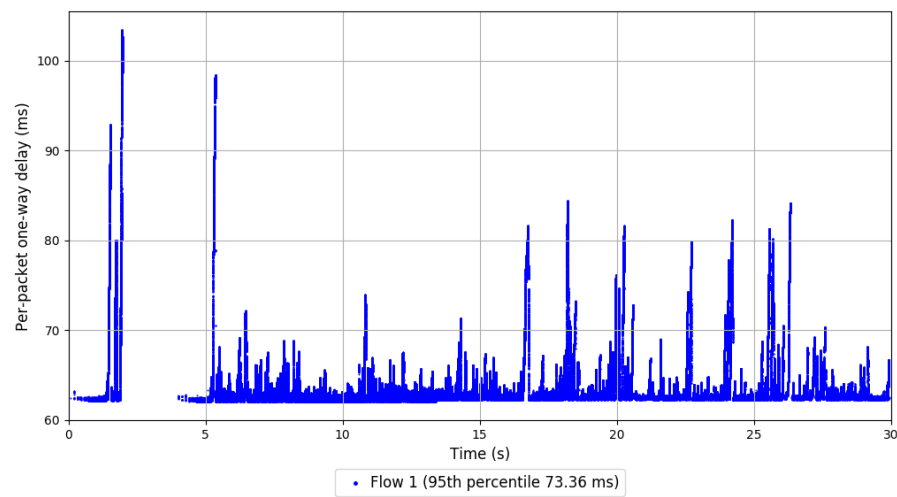
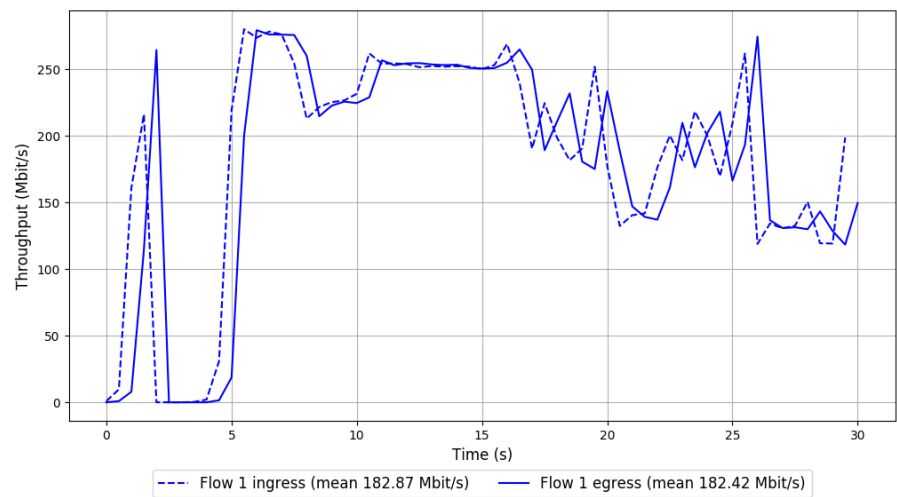


Run 9: Statistics of Copa

Start at: 2018-07-26 01:40:03
End at: 2018-07-26 01:40:33
Local clock offset: -0.061 ms
Remote clock offset: -1.339 ms

Below is generated by plot.py at 2018-07-26 02:49:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.42 Mbit/s
95th percentile per-packet one-way delay: 73.359 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 182.42 Mbit/s
95th percentile per-packet one-way delay: 73.359 ms
Loss rate: 0.65%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-26 02:02:17

End at: 2018-07-26 02:02:47

Local clock offset: -0.076 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2018-07-26 02:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.94 Mbit/s

95th percentile per-packet one-way delay: 67.504 ms

Loss rate: 0.59%

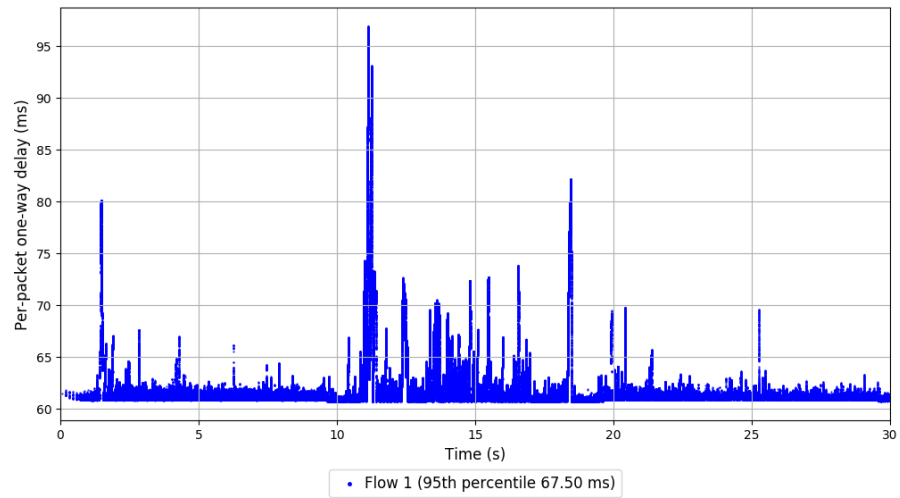
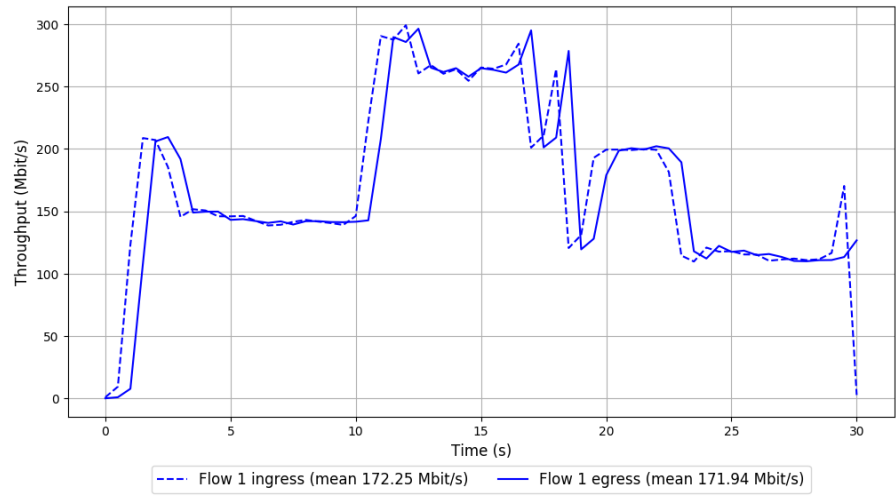
-- Flow 1:

Average throughput: 171.94 Mbit/s

95th percentile per-packet one-way delay: 67.504 ms

Loss rate: 0.59%

Run 10: Report of Copa — Data Link

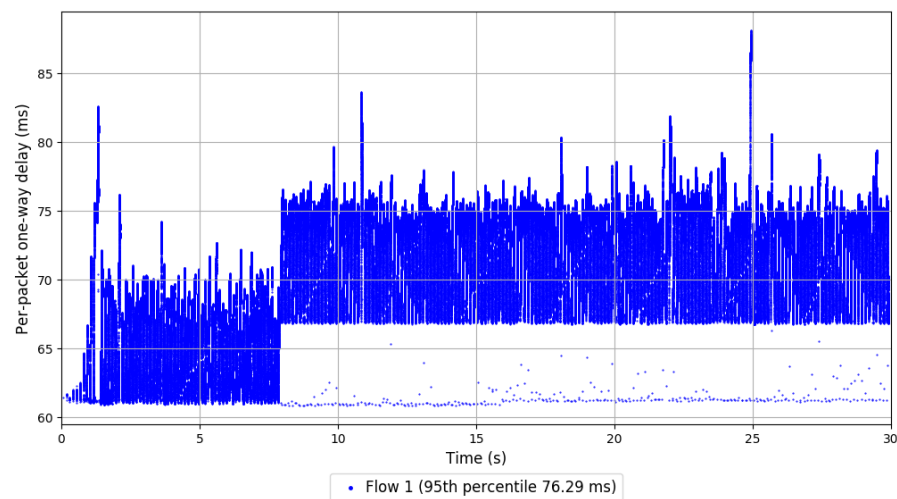
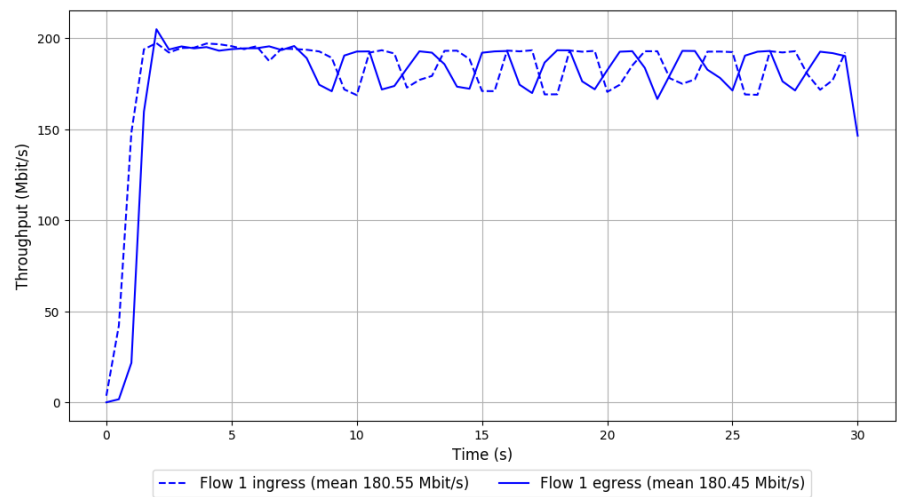


Run 1: Statistics of TCP Cubic

Start at: 2018-07-25 22:50:29
End at: 2018-07-25 22:50:59
Local clock offset: -0.121 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-26 02:50:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.45 Mbit/s
95th percentile per-packet one-way delay: 76.287 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 180.45 Mbit/s
95th percentile per-packet one-way delay: 76.287 ms
Loss rate: 0.44%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 23:12:21

End at: 2018-07-25 23:12:51

Local clock offset: -0.167 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-26 02:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.44 Mbit/s

95th percentile per-packet one-way delay: 72.521 ms

Loss rate: 0.19%

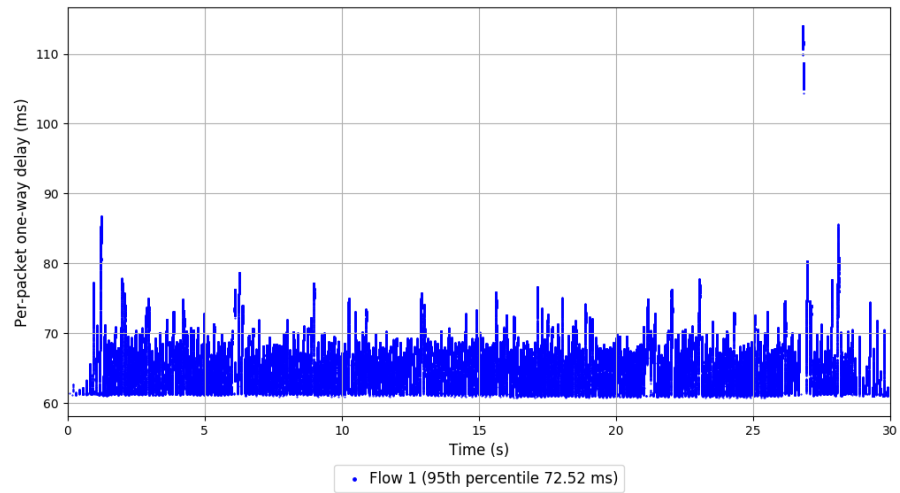
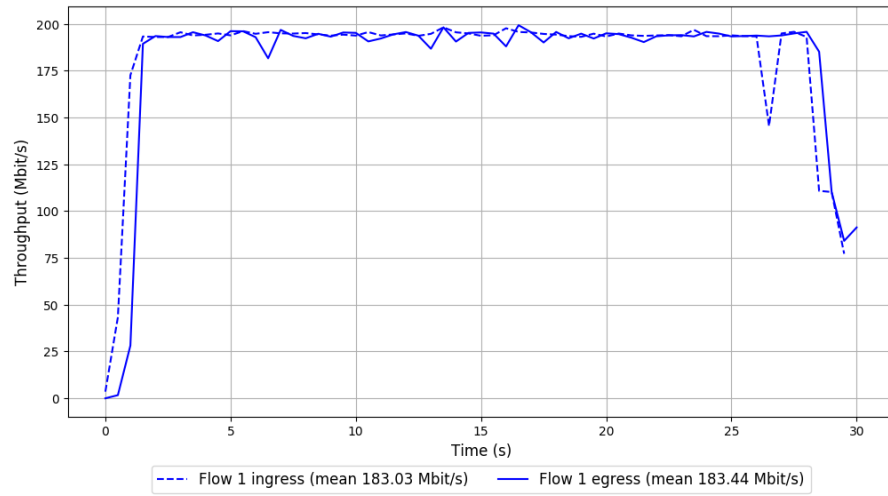
-- Flow 1:

Average throughput: 183.44 Mbit/s

95th percentile per-packet one-way delay: 72.521 ms

Loss rate: 0.19%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 23:34:26

End at: 2018-07-25 23:34:56

Local clock offset: -0.09 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-26 02:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.89 Mbit/s

95th percentile per-packet one-way delay: 77.929 ms

Loss rate: 0.44%

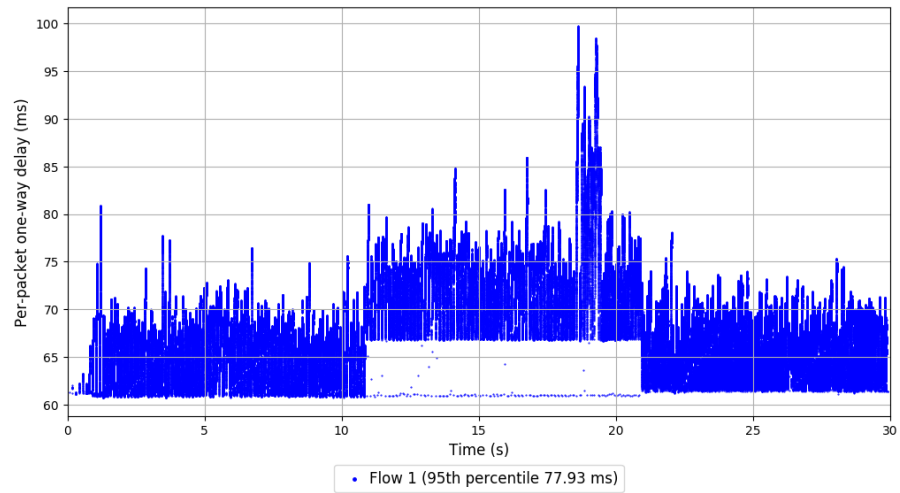
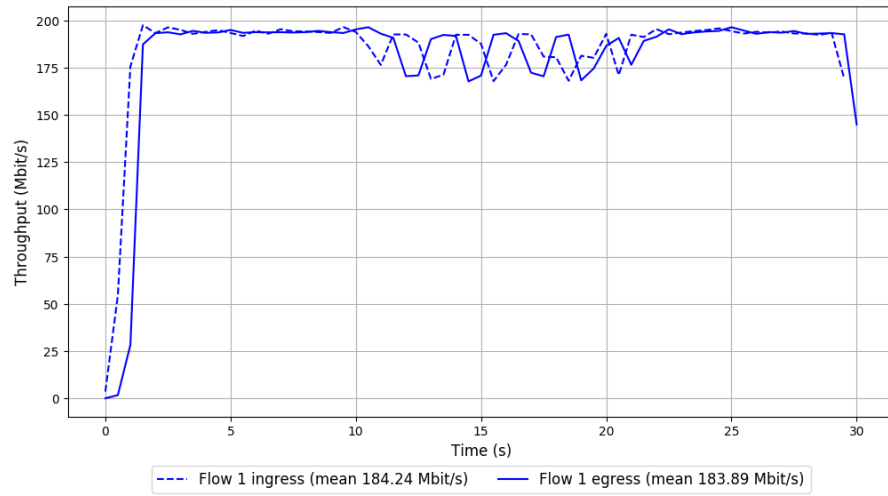
-- Flow 1:

Average throughput: 183.89 Mbit/s

95th percentile per-packet one-way delay: 77.929 ms

Loss rate: 0.44%

Run 3: Report of TCP Cubic — Data Link

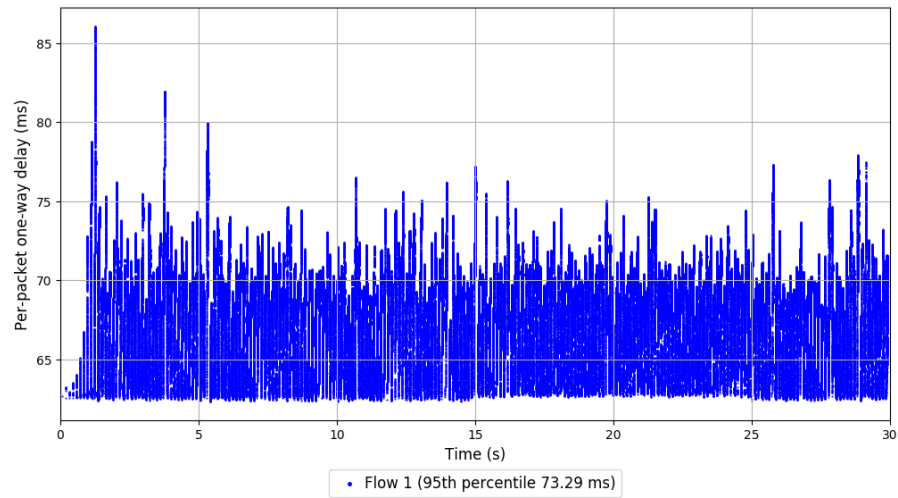
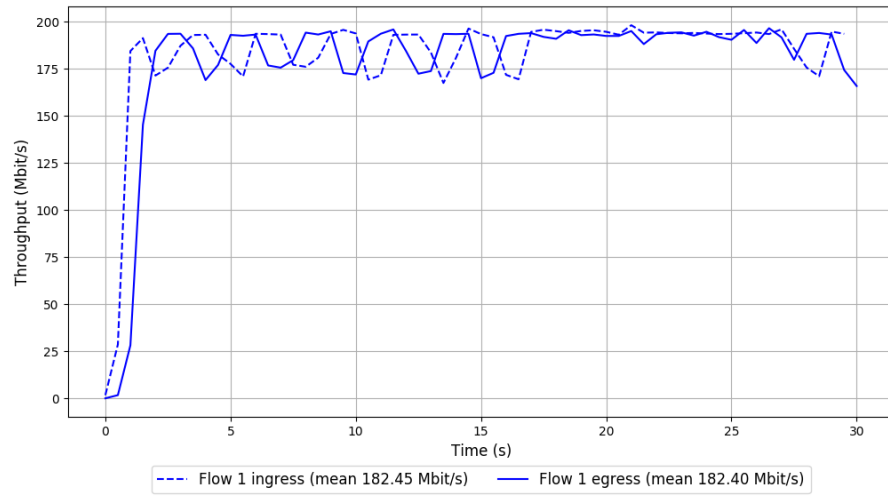


Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 23:56:42
End at: 2018-07-25 23:57:12
Local clock offset: -0.127 ms
Remote clock offset: -1.263 ms

Below is generated by plot.py at 2018-07-26 02:50:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.40 Mbit/s
95th percentile per-packet one-way delay: 73.294 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 182.40 Mbit/s
95th percentile per-packet one-way delay: 73.294 ms
Loss rate: 0.44%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-26 00:18:49

End at: 2018-07-26 00:19:19

Local clock offset: -0.201 ms

Remote clock offset: 0.332 ms

Below is generated by plot.py at 2018-07-26 02:51:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.15 Mbit/s

95th percentile per-packet one-way delay: 71.660 ms

Loss rate: 0.47%

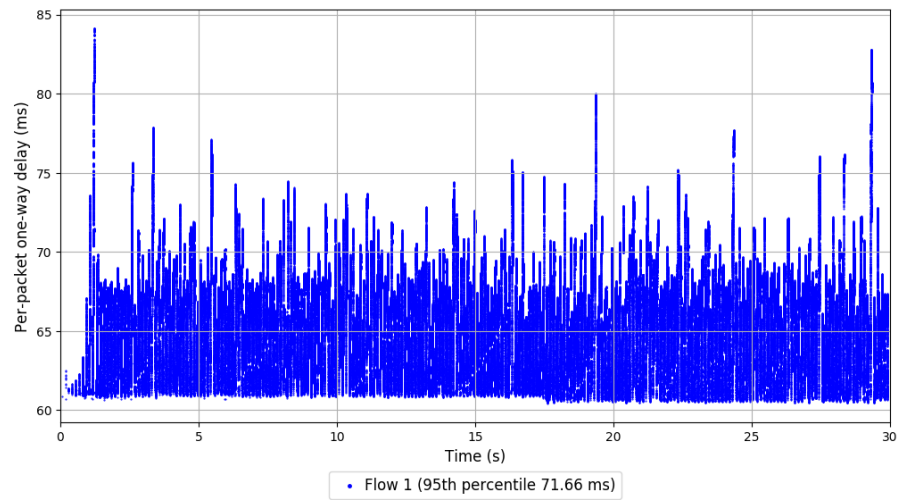
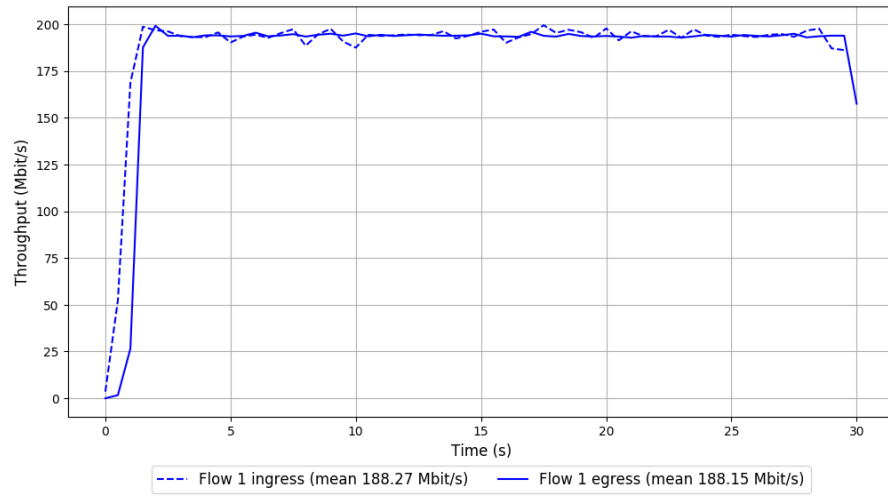
-- Flow 1:

Average throughput: 188.15 Mbit/s

95th percentile per-packet one-way delay: 71.660 ms

Loss rate: 0.47%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-26 00:41:08

End at: 2018-07-26 00:41:38

Local clock offset: -0.073 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-26 02:51:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.59 Mbit/s

95th percentile per-packet one-way delay: 70.576 ms

Loss rate: 0.59%

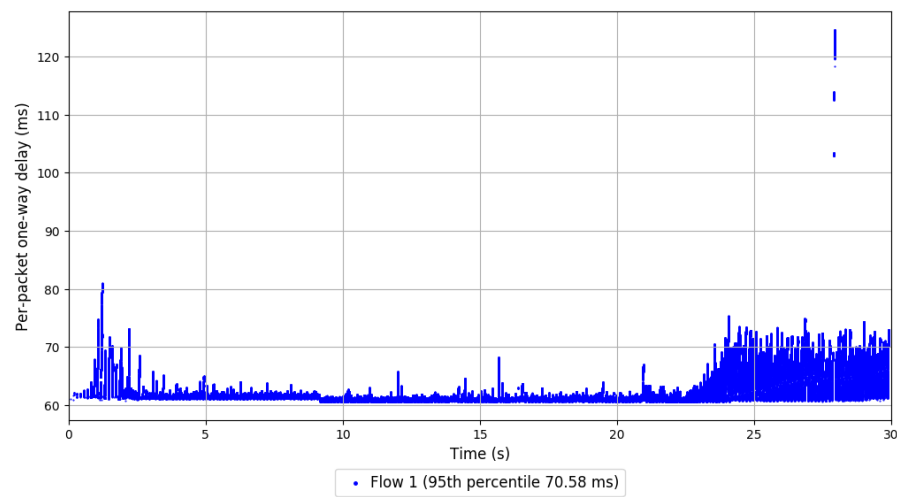
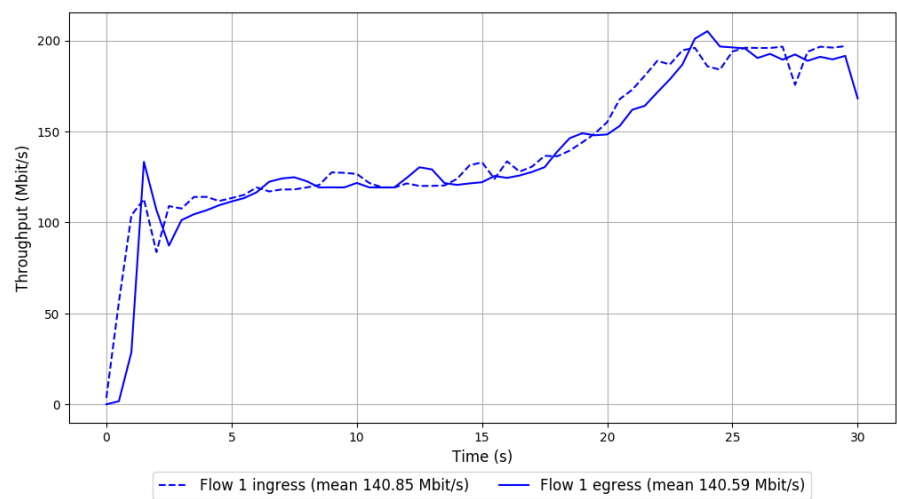
-- Flow 1:

Average throughput: 140.59 Mbit/s

95th percentile per-packet one-way delay: 70.576 ms

Loss rate: 0.59%

Run 6: Report of TCP Cubic — Data Link

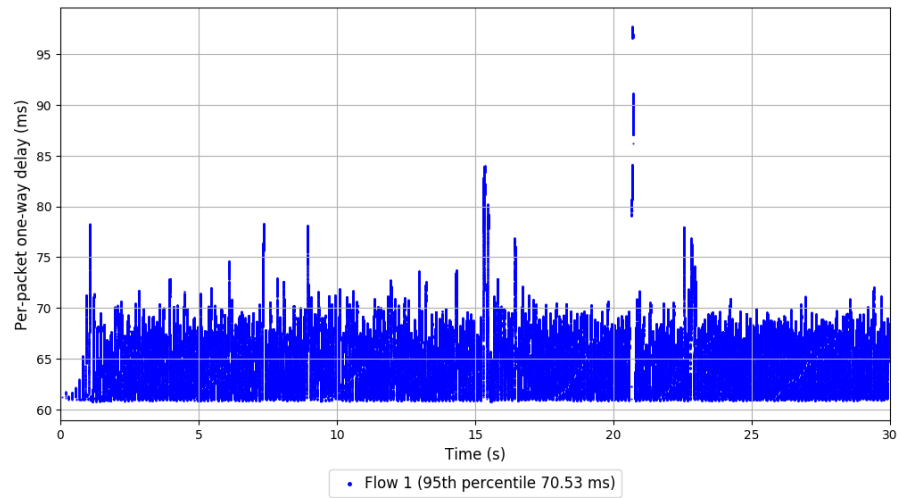
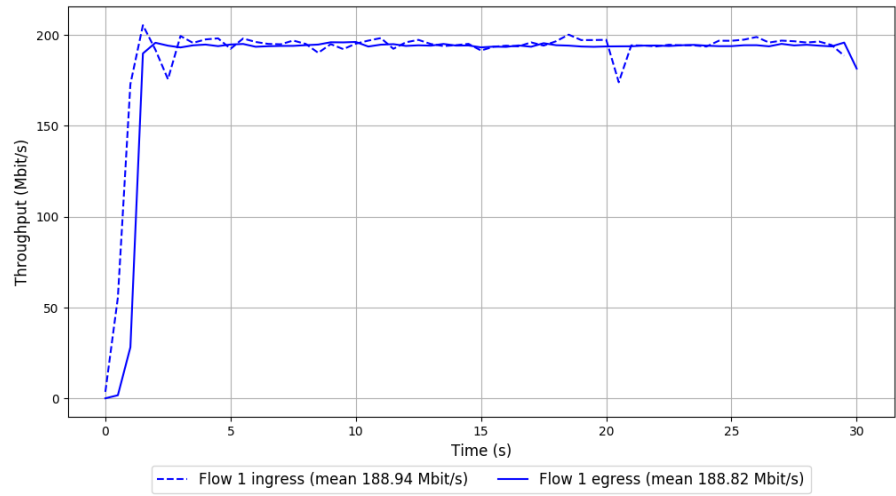


Run 7: Statistics of TCP Cubic

Start at: 2018-07-26 01:03:30
End at: 2018-07-26 01:04:00
Local clock offset: -0.045 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-26 02:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.82 Mbit/s
95th percentile per-packet one-way delay: 70.532 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 188.82 Mbit/s
95th percentile per-packet one-way delay: 70.532 ms
Loss rate: 0.47%

Run 7: Report of TCP Cubic — Data Link

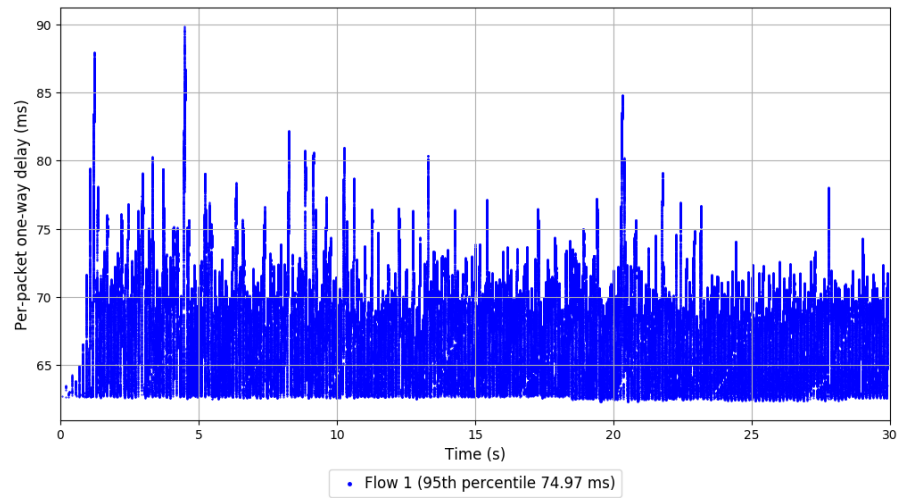
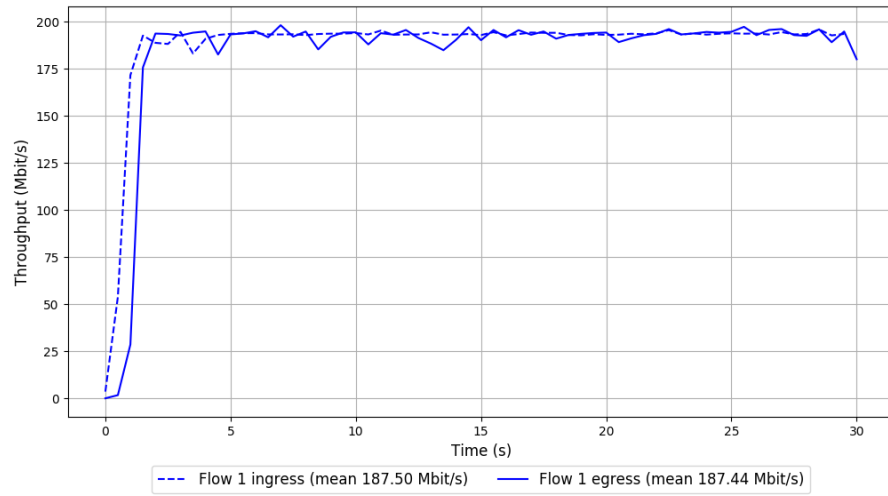


Run 8: Statistics of TCP Cubic

Start at: 2018-07-26 01:25:48
End at: 2018-07-26 01:26:18
Local clock offset: -0.038 ms
Remote clock offset: -1.645 ms

Below is generated by plot.py at 2018-07-26 02:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.44 Mbit/s
95th percentile per-packet one-way delay: 74.967 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 187.44 Mbit/s
95th percentile per-packet one-way delay: 74.967 ms
Loss rate: 0.43%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-26 01:48:03

End at: 2018-07-26 01:48:33

Local clock offset: -0.044 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-26 02:53:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.50 Mbit/s

95th percentile per-packet one-way delay: 72.246 ms

Loss rate: 0.47%

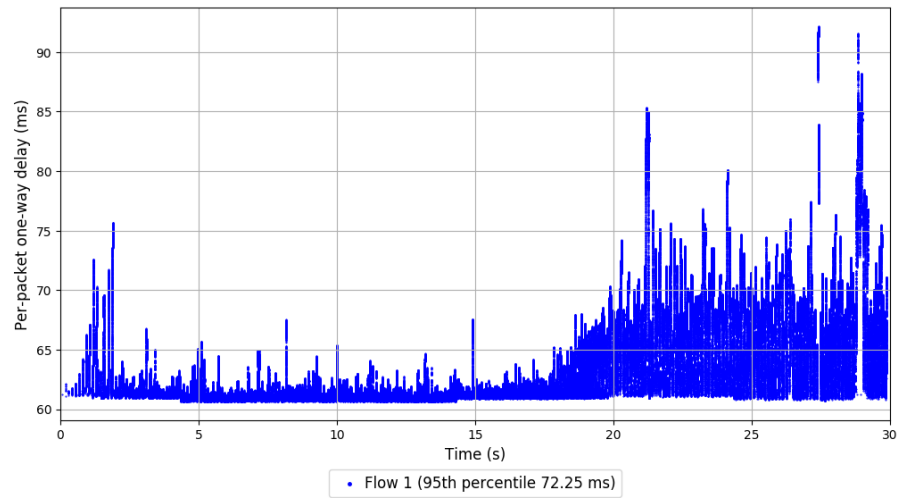
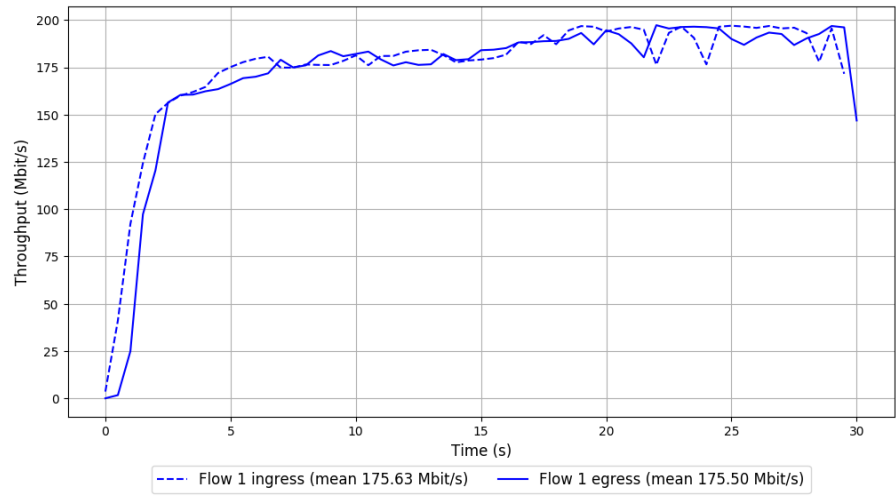
-- Flow 1:

Average throughput: 175.50 Mbit/s

95th percentile per-packet one-way delay: 72.246 ms

Loss rate: 0.47%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-26 02:10:15

End at: 2018-07-26 02:10:45

Local clock offset: -0.013 ms

Remote clock offset: 0.236 ms

Below is generated by plot.py at 2018-07-26 02:53:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.33 Mbit/s

95th percentile per-packet one-way delay: 70.168 ms

Loss rate: 0.41%

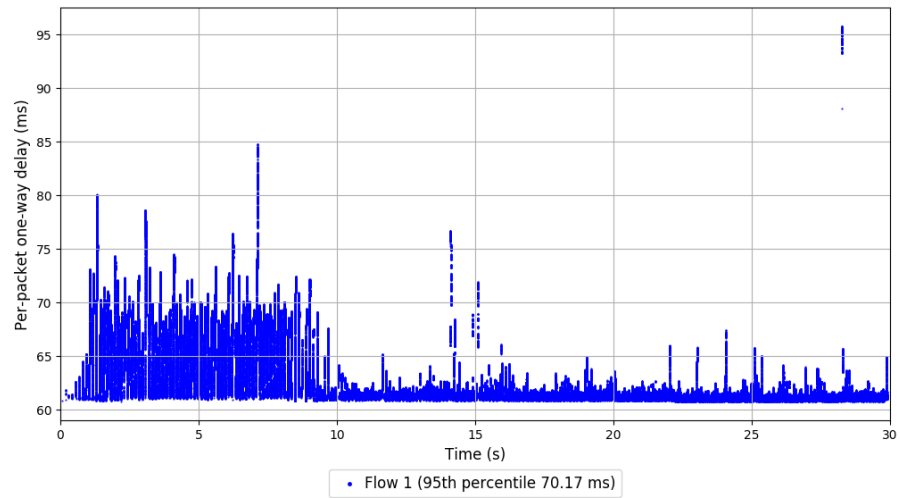
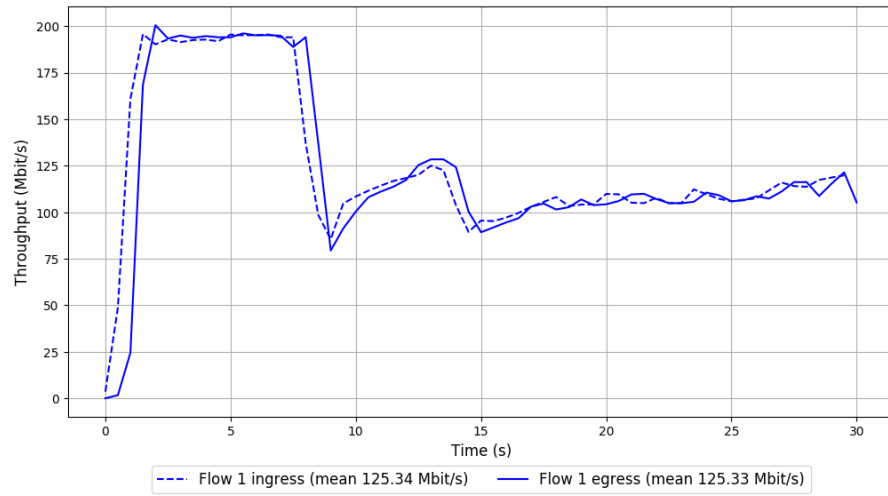
-- Flow 1:

Average throughput: 125.33 Mbit/s

95th percentile per-packet one-way delay: 70.168 ms

Loss rate: 0.41%

Run 10: Report of TCP Cubic — Data Link

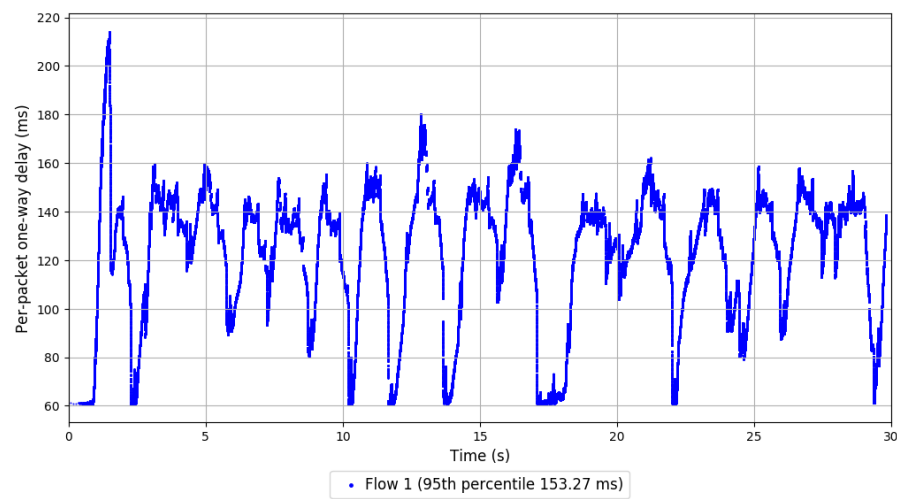
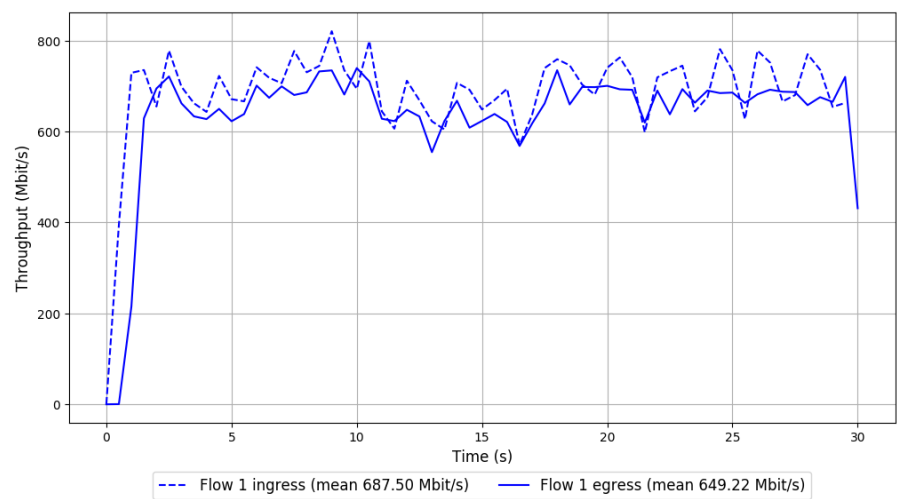


Run 1: Statistics of FillP

Start at: 2018-07-25 22:58:03
End at: 2018-07-25 22:58:33
Local clock offset: -0.119 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-26 03:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 649.22 Mbit/s
95th percentile per-packet one-way delay: 153.268 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 649.22 Mbit/s
95th percentile per-packet one-way delay: 153.268 ms
Loss rate: 5.98%

Run 1: Report of FillP — Data Link

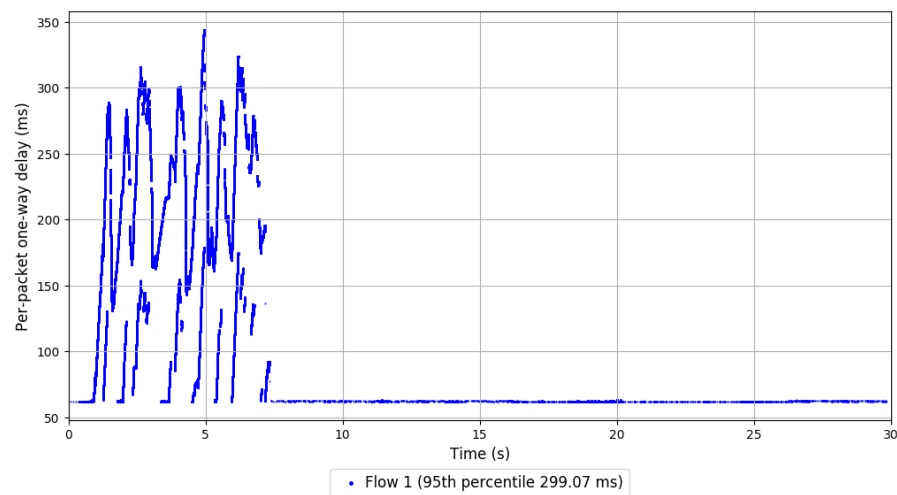
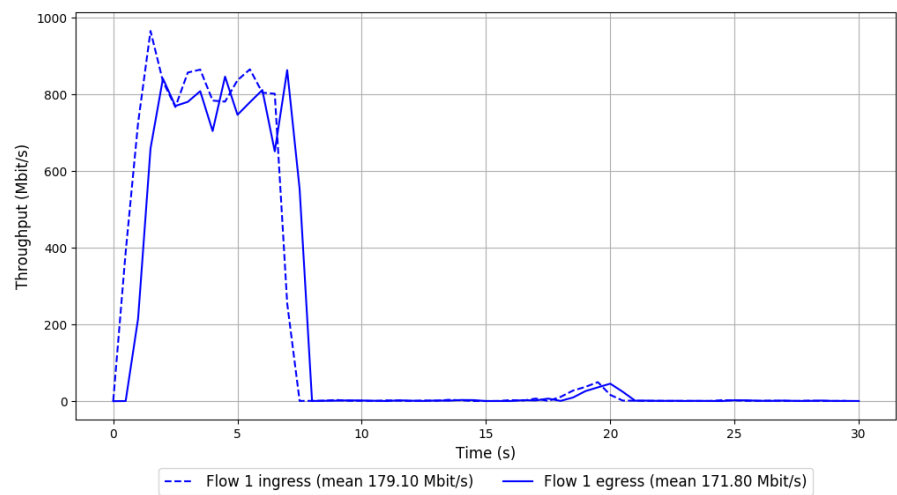


Run 2: Statistics of FillP

Start at: 2018-07-25 23:20:00
End at: 2018-07-25 23:20:31
Local clock offset: -0.114 ms
Remote clock offset: -1.199 ms

Below is generated by plot.py at 2018-07-26 03:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.80 Mbit/s
95th percentile per-packet one-way delay: 299.067 ms
Loss rate: 4.67%
-- Flow 1:
Average throughput: 171.80 Mbit/s
95th percentile per-packet one-way delay: 299.067 ms
Loss rate: 4.67%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-25 23:41:56

End at: 2018-07-25 23:42:26

Local clock offset: -0.069 ms

Remote clock offset: 0.394 ms

Below is generated by plot.py at 2018-07-26 03:10:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 828.33 Mbit/s

95th percentile per-packet one-way delay: 252.142 ms

Loss rate: 1.68%

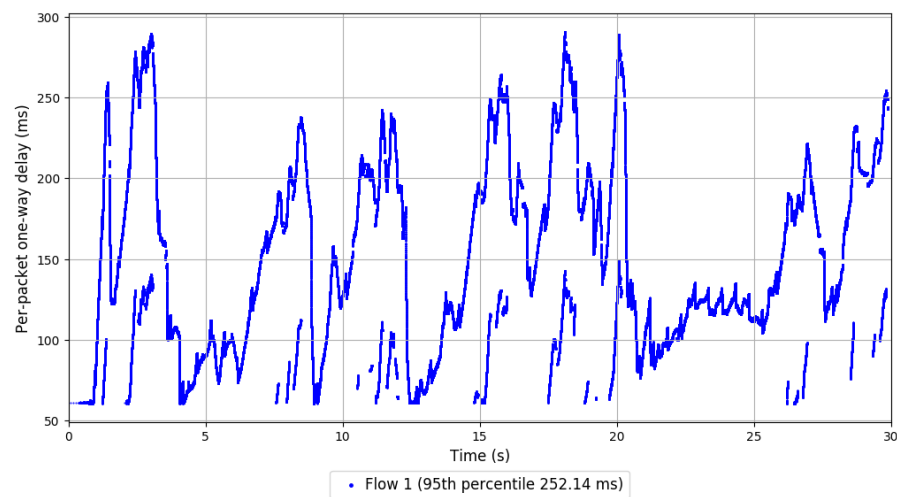
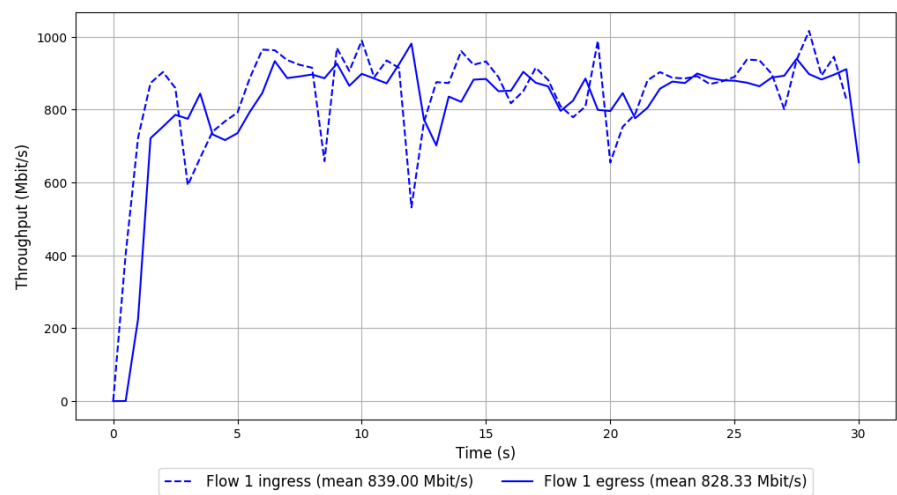
-- Flow 1:

Average throughput: 828.33 Mbit/s

95th percentile per-packet one-way delay: 252.142 ms

Loss rate: 1.68%

Run 3: Report of FillP — Data Link

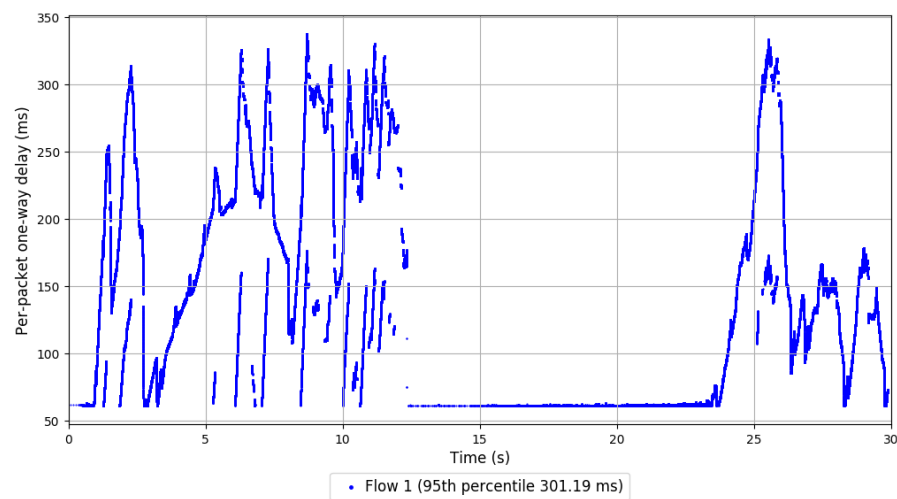
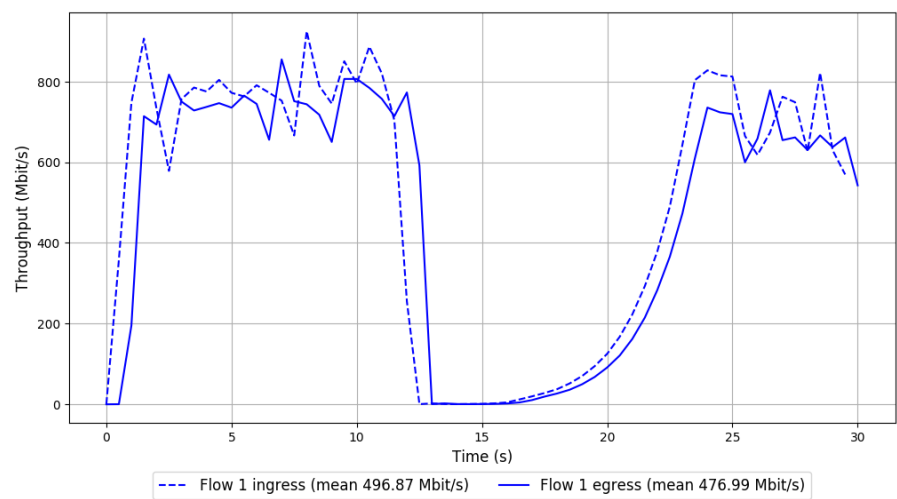


Run 4: Statistics of FillP

Start at: 2018-07-26 00:04:16
End at: 2018-07-26 00:04:46
Local clock offset: -0.132 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-07-26 03:10:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 476.99 Mbit/s
95th percentile per-packet one-way delay: 301.192 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 476.99 Mbit/s
95th percentile per-packet one-way delay: 301.192 ms
Loss rate: 4.40%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-26 00:26:23

End at: 2018-07-26 00:26:53

Local clock offset: -0.131 ms

Remote clock offset: 0.265 ms

Below is generated by plot.py at 2018-07-26 03:10:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 666.12 Mbit/s

95th percentile per-packet one-way delay: 171.778 ms

Loss rate: 5.94%

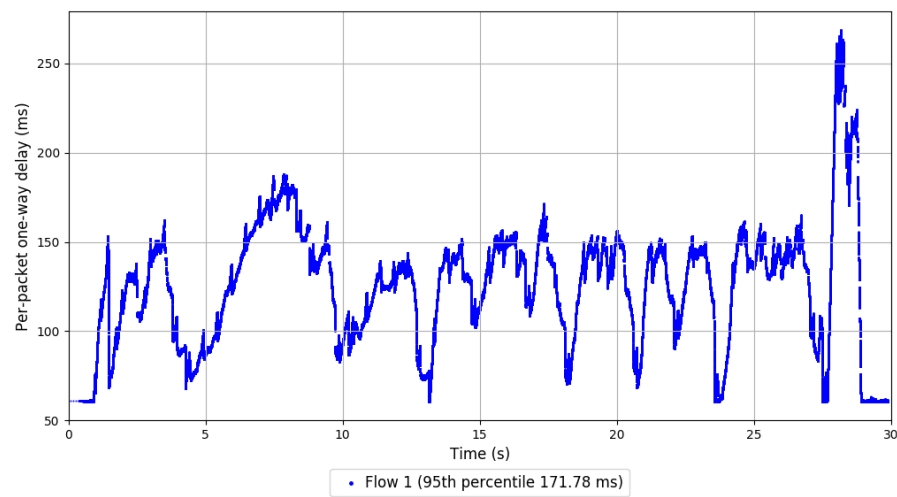
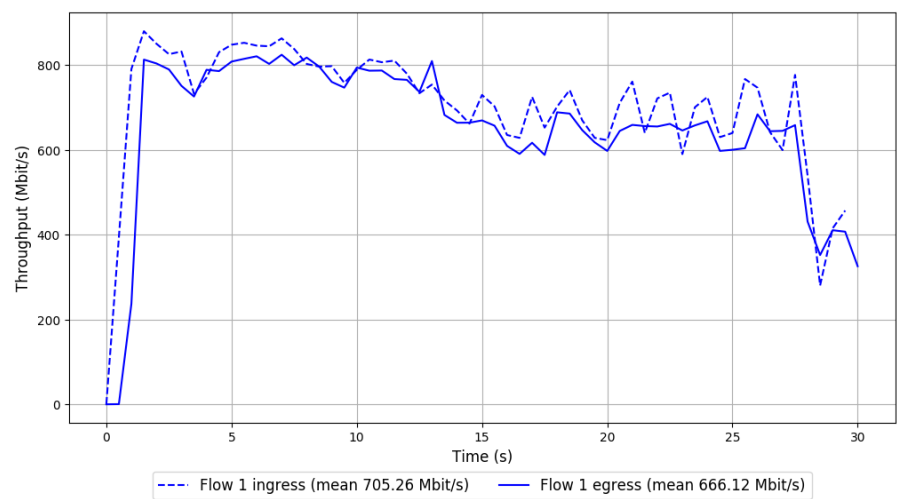
-- Flow 1:

Average throughput: 666.12 Mbit/s

95th percentile per-packet one-way delay: 171.778 ms

Loss rate: 5.94%

Run 5: Report of FillP — Data Link

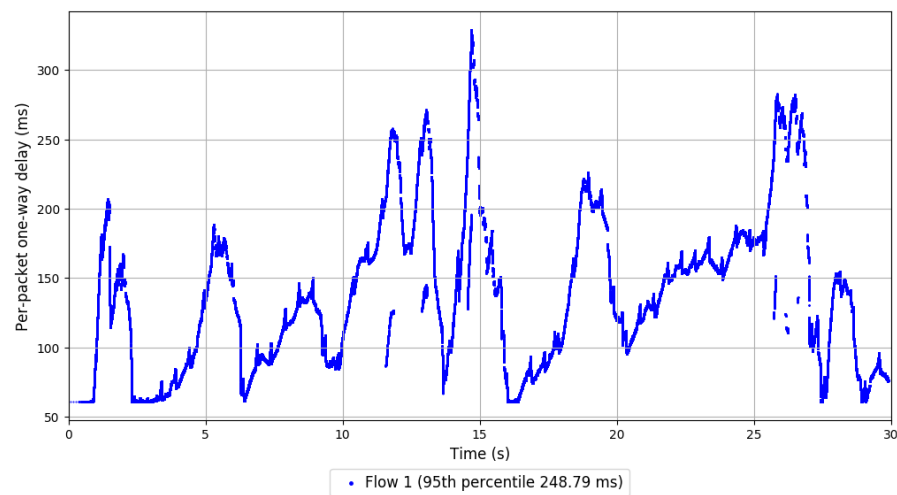
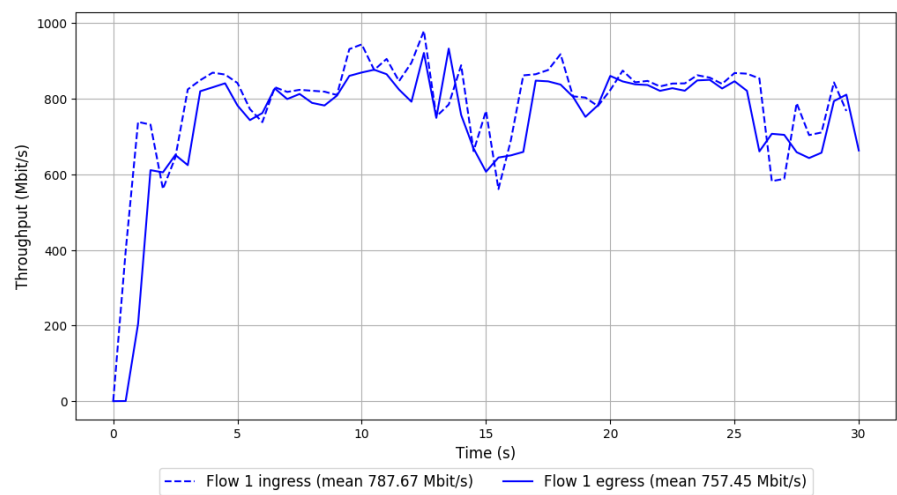


Run 6: Statistics of FillP

Start at: 2018-07-26 00:48:45
End at: 2018-07-26 00:49:15
Local clock offset: -0.014 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-26 03:10:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 757.45 Mbit/s
95th percentile per-packet one-way delay: 248.794 ms
Loss rate: 4.23%
-- Flow 1:
Average throughput: 757.45 Mbit/s
95th percentile per-packet one-way delay: 248.794 ms
Loss rate: 4.23%

Run 6: Report of FillP — Data Link

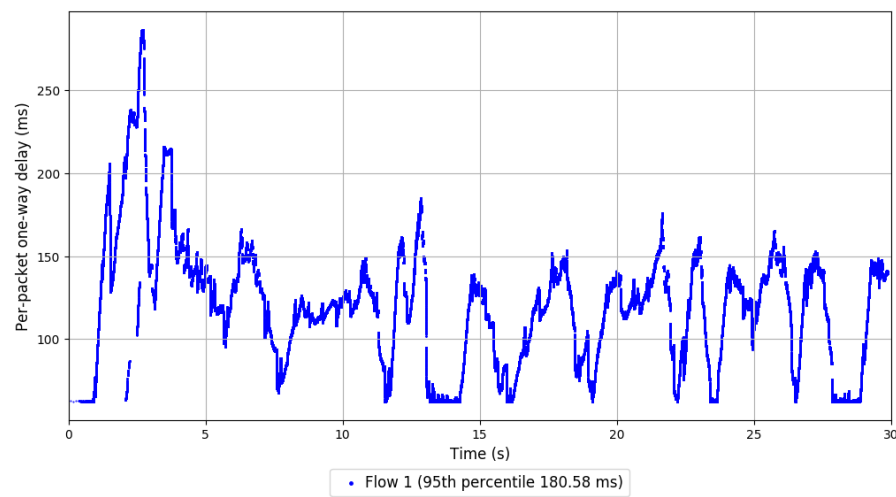
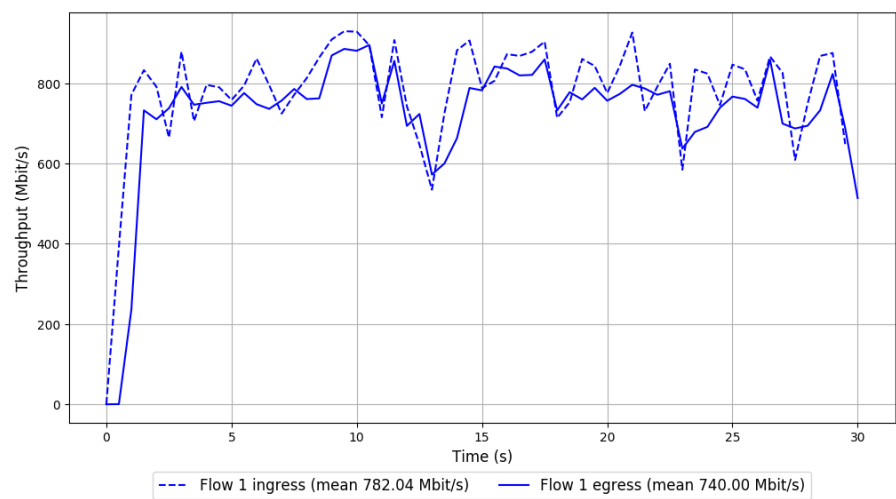


Run 7: Statistics of FillP

Start at: 2018-07-26 01:11:04
End at: 2018-07-26 01:11:34
Local clock offset: -0.02 ms
Remote clock offset: -1.495 ms

Below is generated by plot.py at 2018-07-26 03:10:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 740.00 Mbit/s
95th percentile per-packet one-way delay: 180.579 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 740.00 Mbit/s
95th percentile per-packet one-way delay: 180.579 ms
Loss rate: 5.77%

Run 7: Report of FillP — Data Link

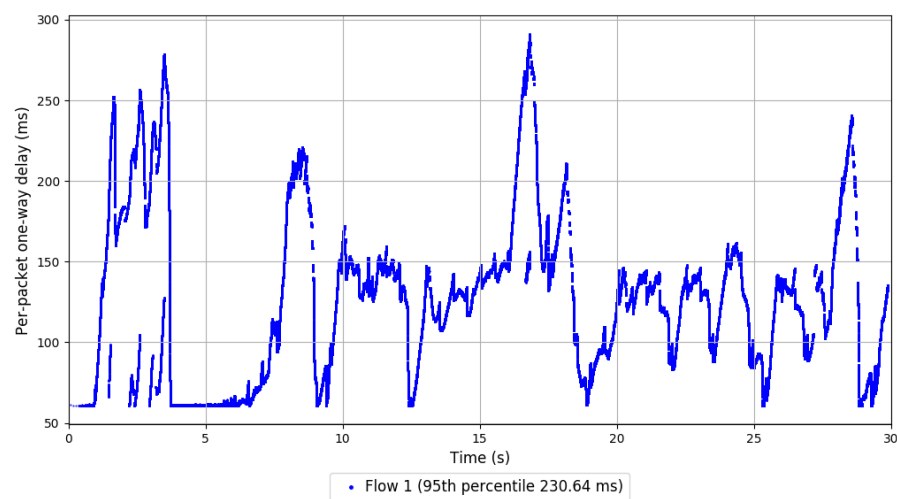
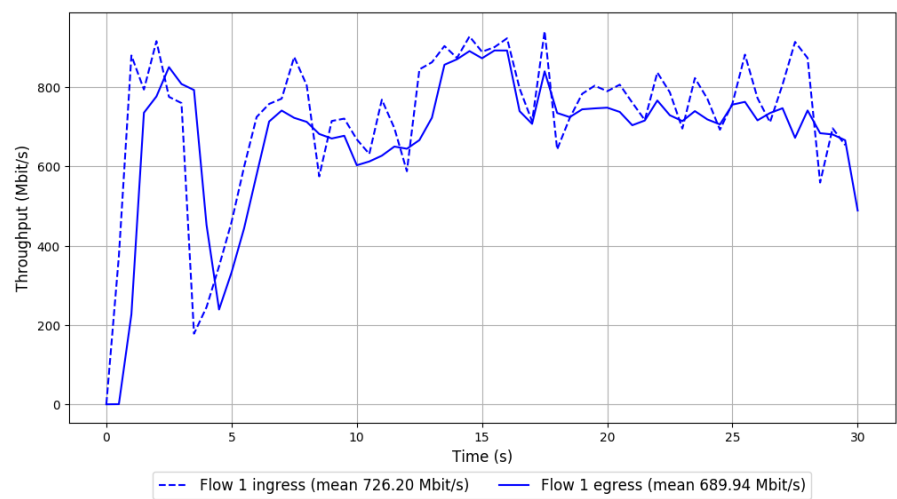


Run 8: Statistics of FillP

Start at: 2018-07-26 01:33:24
End at: 2018-07-26 01:33:54
Local clock offset: -0.038 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-26 03:10:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 689.94 Mbit/s
95th percentile per-packet one-way delay: 230.642 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 689.94 Mbit/s
95th percentile per-packet one-way delay: 230.642 ms
Loss rate: 5.38%

Run 8: Report of FillP — Data Link

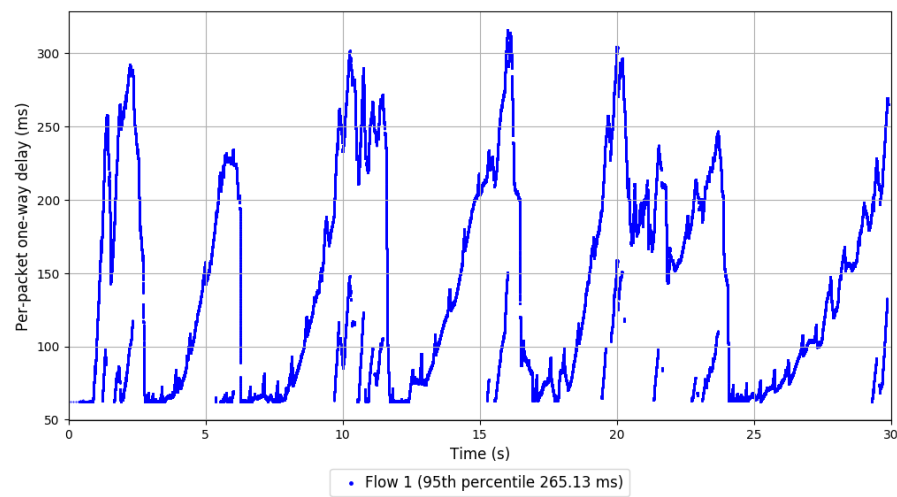
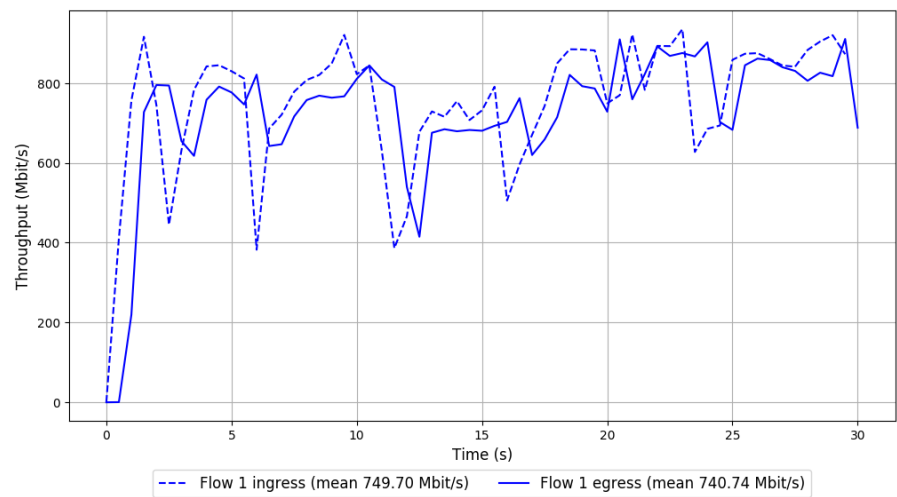


Run 9: Statistics of FillP

Start at: 2018-07-26 01:55:32
End at: 2018-07-26 01:56:02
Local clock offset: -0.102 ms
Remote clock offset: -1.485 ms

Below is generated by plot.py at 2018-07-26 03:11:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 740.74 Mbit/s
95th percentile per-packet one-way delay: 265.127 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 740.74 Mbit/s
95th percentile per-packet one-way delay: 265.127 ms
Loss rate: 1.60%

Run 9: Report of FillP — Data Link

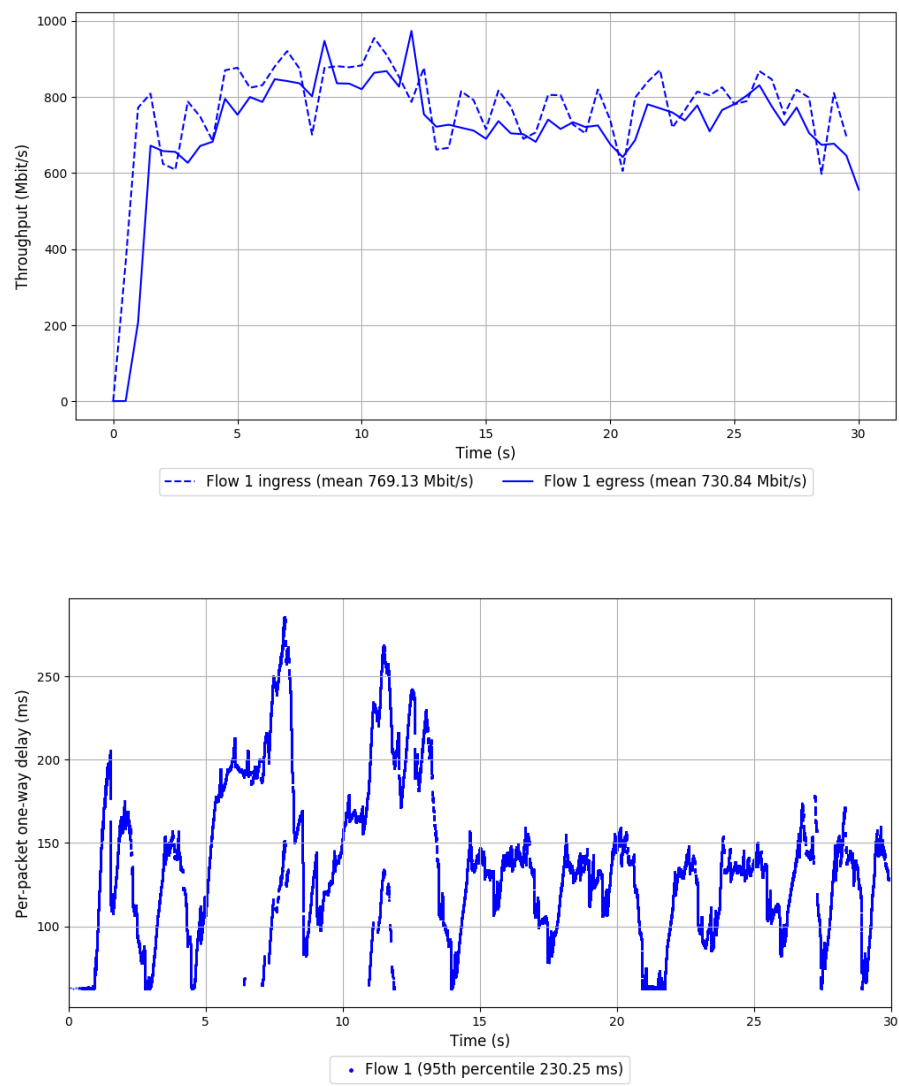


Run 10: Statistics of FillP

Start at: 2018-07-26 02:17:45
End at: 2018-07-26 02:18:15
Local clock offset: -0.062 ms
Remote clock offset: -1.464 ms

Below is generated by plot.py at 2018-07-26 03:19:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 730.84 Mbit/s
95th percentile per-packet one-way delay: 230.254 ms
Loss rate: 5.37%
-- Flow 1:
Average throughput: 730.84 Mbit/s
95th percentile per-packet one-way delay: 230.254 ms
Loss rate: 5.37%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-25 22:48:57

End at: 2018-07-25 22:49:27

Local clock offset: -0.136 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-07-26 03:20:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 647.09 Mbit/s

95th percentile per-packet one-way delay: 130.488 ms

Loss rate: 0.89%

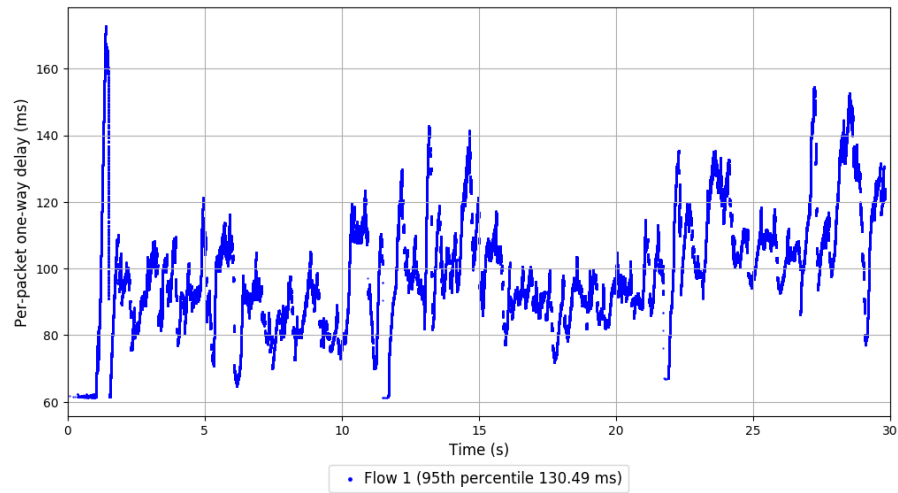
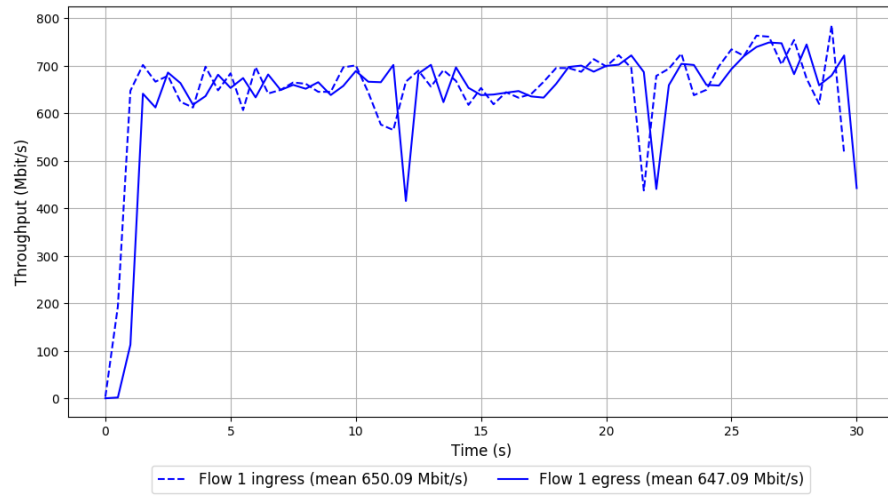
-- Flow 1:

Average throughput: 647.09 Mbit/s

95th percentile per-packet one-way delay: 130.488 ms

Loss rate: 0.89%

Run 1: Report of FillP-Sheep — Data Link

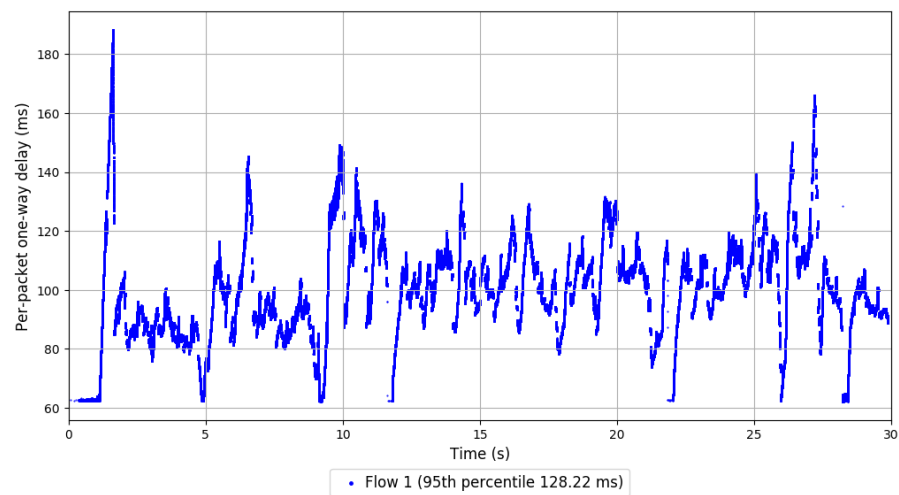
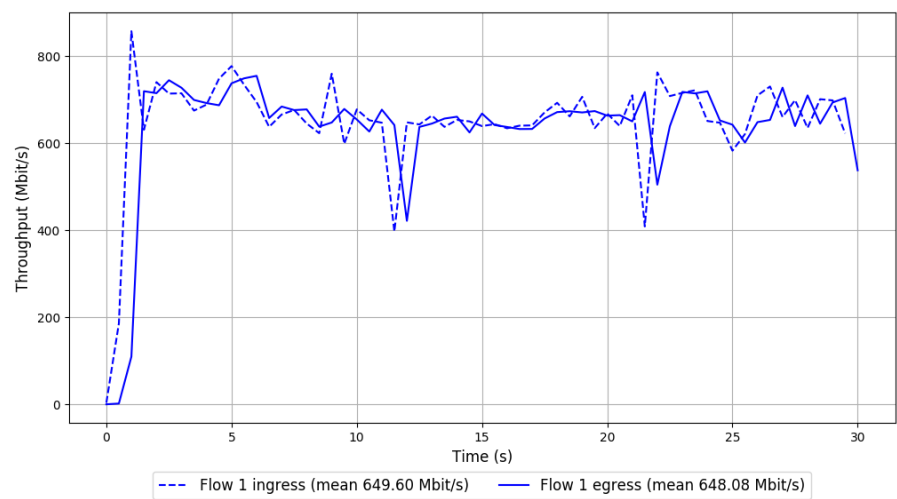


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 23:10:49
End at: 2018-07-25 23:11:19
Local clock offset: -0.161 ms
Remote clock offset: -1.285 ms

Below is generated by plot.py at 2018-07-26 03:23:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 648.08 Mbit/s
95th percentile per-packet one-way delay: 128.221 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 648.08 Mbit/s
95th percentile per-packet one-way delay: 128.221 ms
Loss rate: 0.65%

Run 2: Report of FillP-Sheep — Data Link

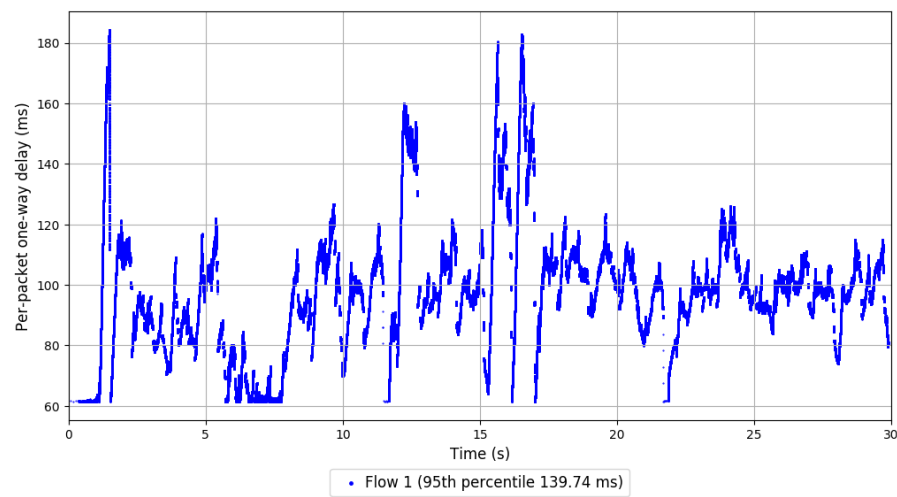
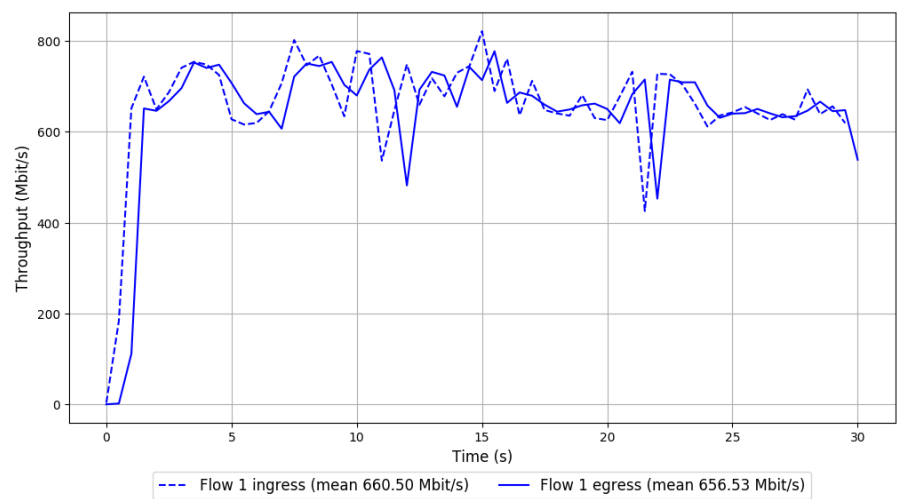


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 23:32:53
End at: 2018-07-25 23:33:23
Local clock offset: -0.104 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-07-26 03:25:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 656.53 Mbit/s
95th percentile per-packet one-way delay: 139.741 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 656.53 Mbit/s
95th percentile per-packet one-way delay: 139.741 ms
Loss rate: 1.01%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 23:55:08

End at: 2018-07-25 23:55:38

Local clock offset: -0.141 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-07-26 03:26:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 689.20 Mbit/s

95th percentile per-packet one-way delay: 129.877 ms

Loss rate: 0.66%

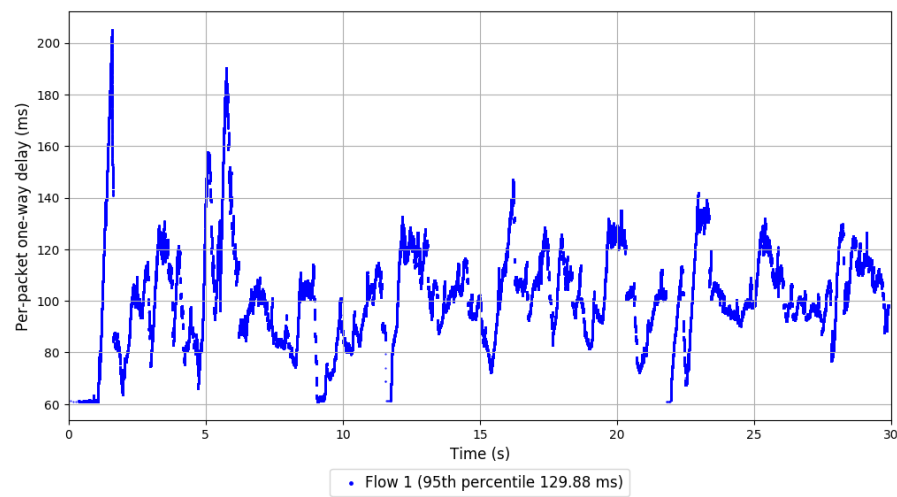
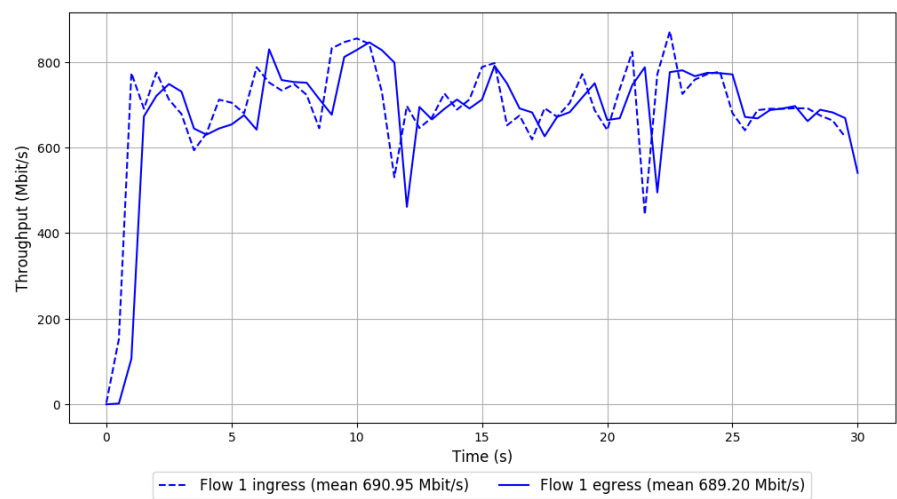
-- Flow 1:

Average throughput: 689.20 Mbit/s

95th percentile per-packet one-way delay: 129.877 ms

Loss rate: 0.66%

Run 4: Report of FillP-Sheep — Data Link

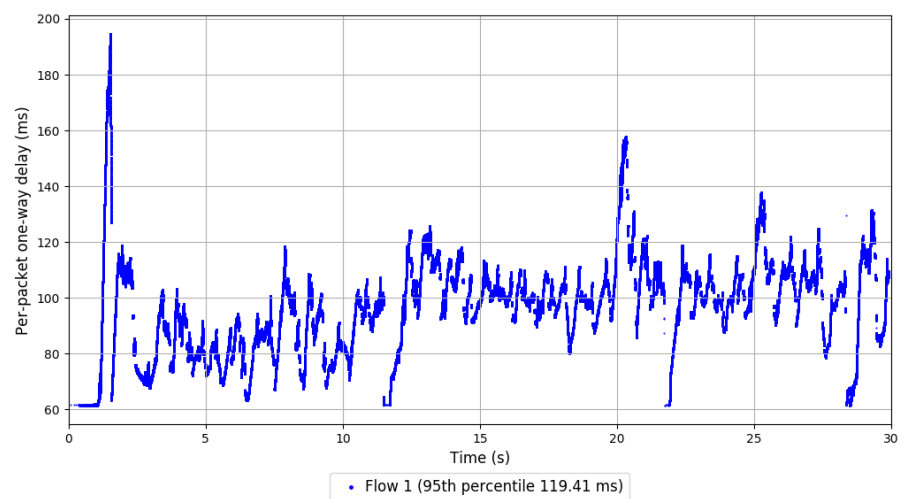
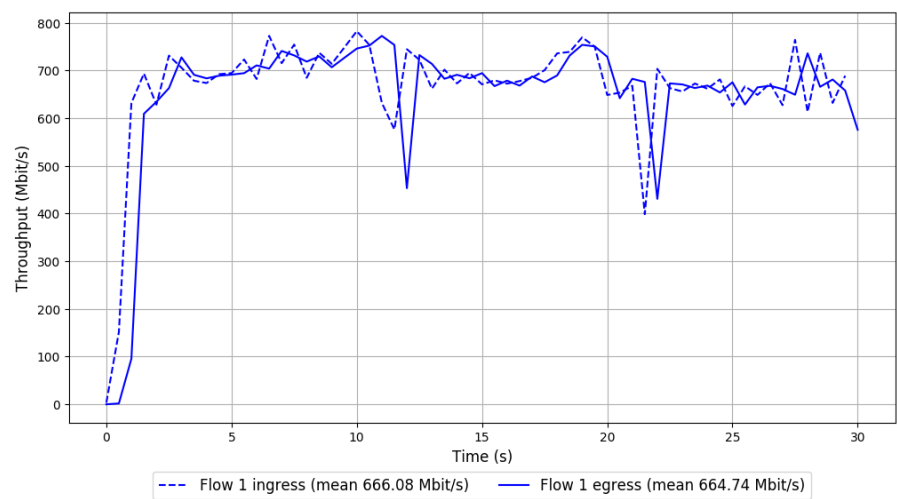


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-26 00:17:16
End at: 2018-07-26 00:17:46
Local clock offset: -0.123 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-26 03:26:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 664.74 Mbit/s
95th percentile per-packet one-way delay: 119.414 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 664.74 Mbit/s
95th percentile per-packet one-way delay: 119.414 ms
Loss rate: 0.61%

Run 5: Report of FillP-Sheep — Data Link

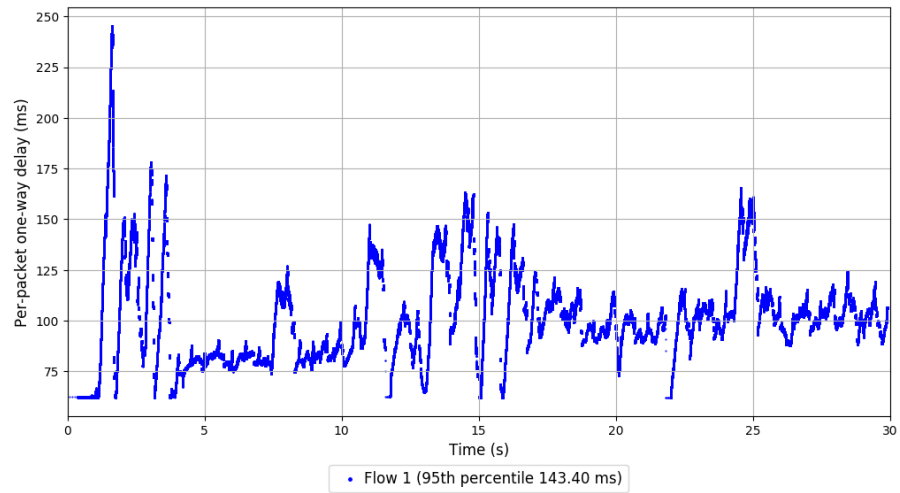
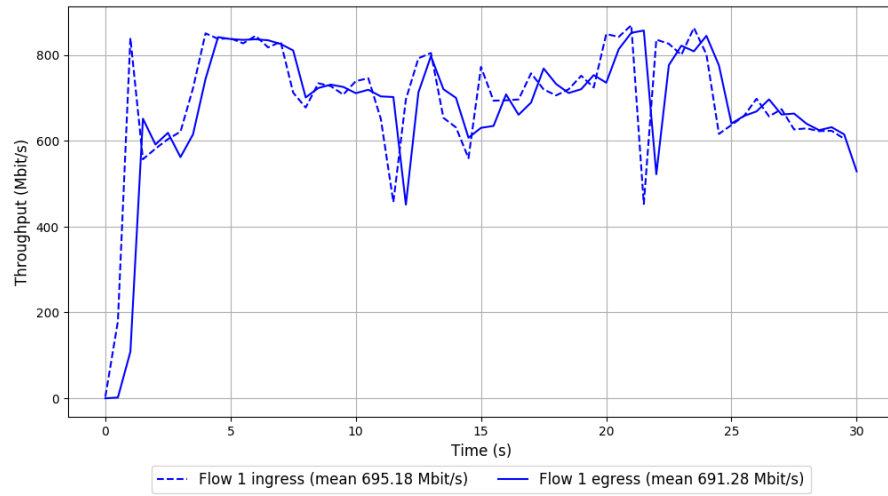


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-26 00:39:32
End at: 2018-07-26 00:40:02
Local clock offset: -0.029 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2018-07-26 03:27:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 691.28 Mbit/s
95th percentile per-packet one-way delay: 143.404 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 691.28 Mbit/s
95th percentile per-packet one-way delay: 143.404 ms
Loss rate: 0.97%

Run 6: Report of FillP-Sheep — Data Link

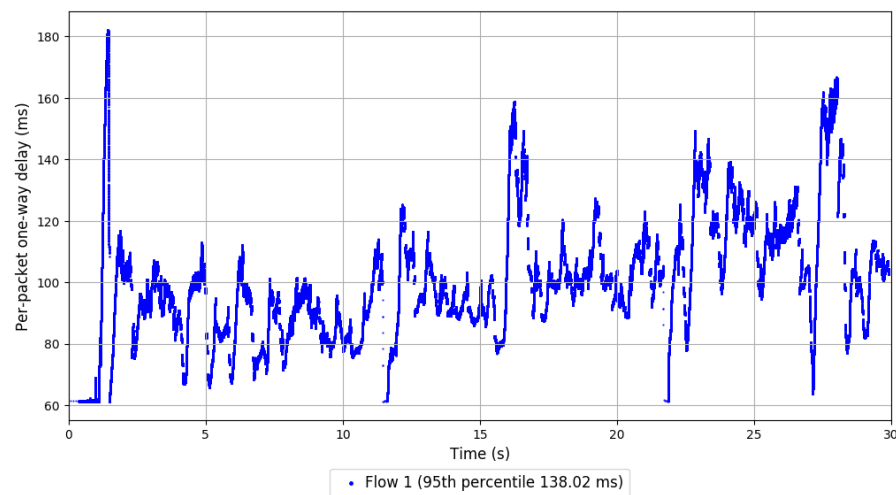
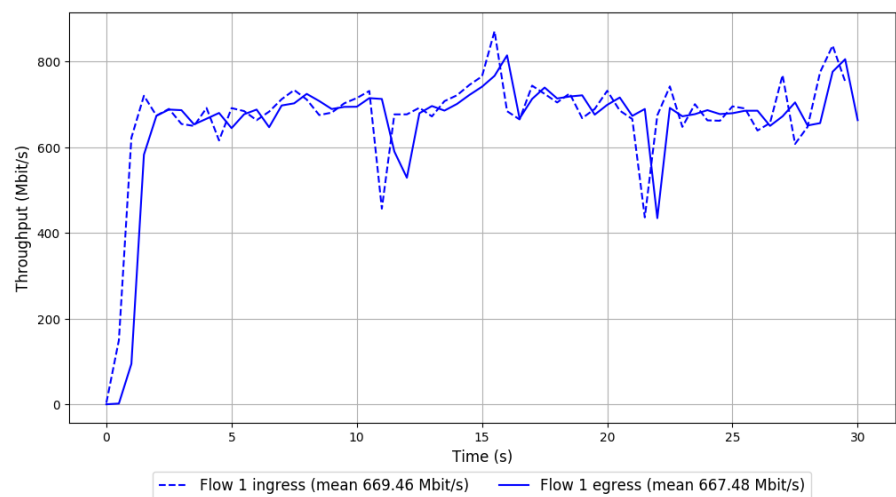


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-26 01:01:57
End at: 2018-07-26 01:02:27
Local clock offset: -0.023 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-07-26 03:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 667.48 Mbit/s
95th percentile per-packet one-way delay: 138.019 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 667.48 Mbit/s
95th percentile per-packet one-way delay: 138.019 ms
Loss rate: 0.70%

Run 7: Report of FillP-Sheep — Data Link

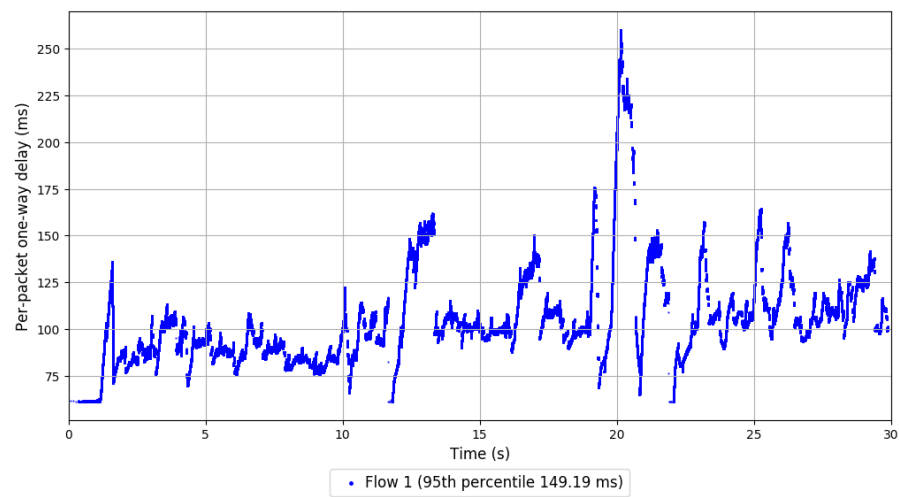
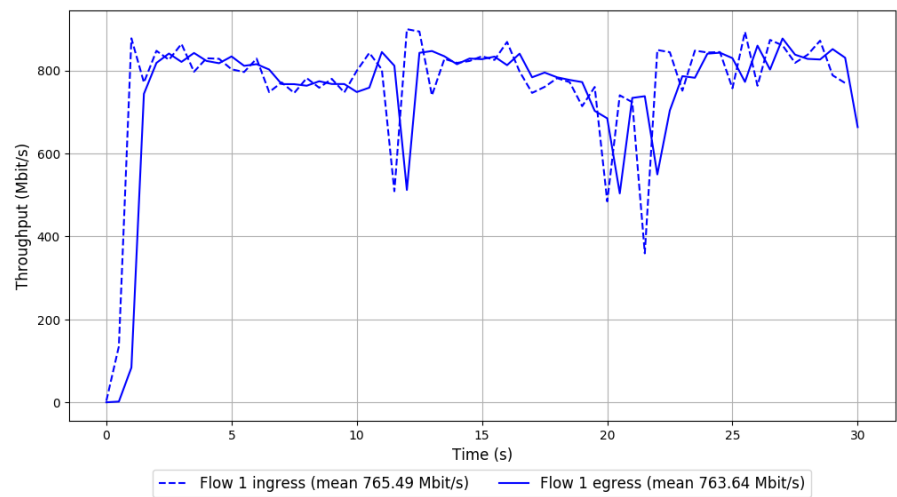


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-26 01:24:12
End at: 2018-07-26 01:24:42
Local clock offset: -0.031 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 763.64 Mbit/s
95th percentile per-packet one-way delay: 149.192 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 763.64 Mbit/s
95th percentile per-packet one-way delay: 149.192 ms
Loss rate: 0.65%

Run 8: Report of FillP-Sheep — Data Link

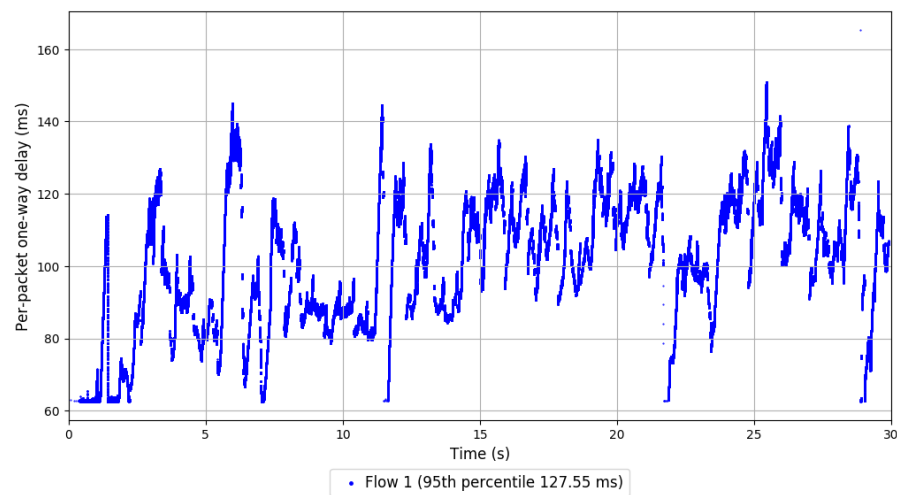
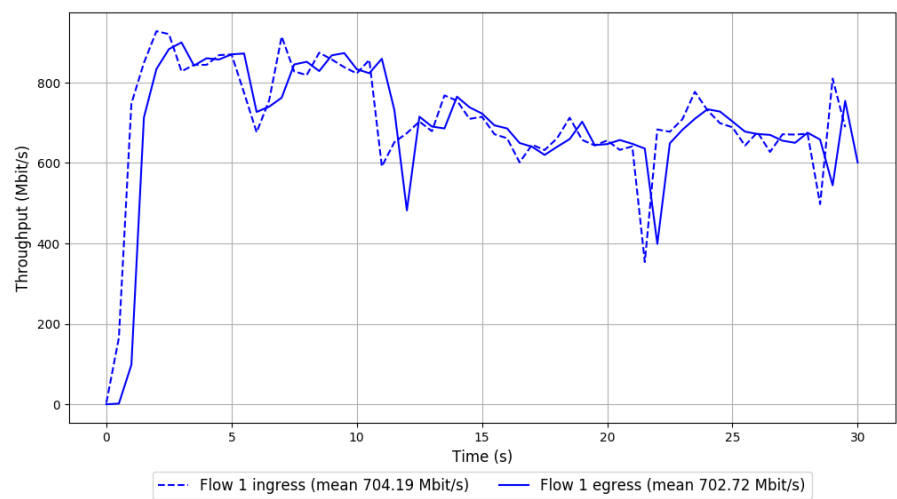


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-26 01:46:28
End at: 2018-07-26 01:46:58
Local clock offset: -0.062 ms
Remote clock offset: -1.246 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 702.72 Mbit/s
95th percentile per-packet one-way delay: 127.549 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 702.72 Mbit/s
95th percentile per-packet one-way delay: 127.549 ms
Loss rate: 0.62%

Run 9: Report of FillP-Sheep — Data Link

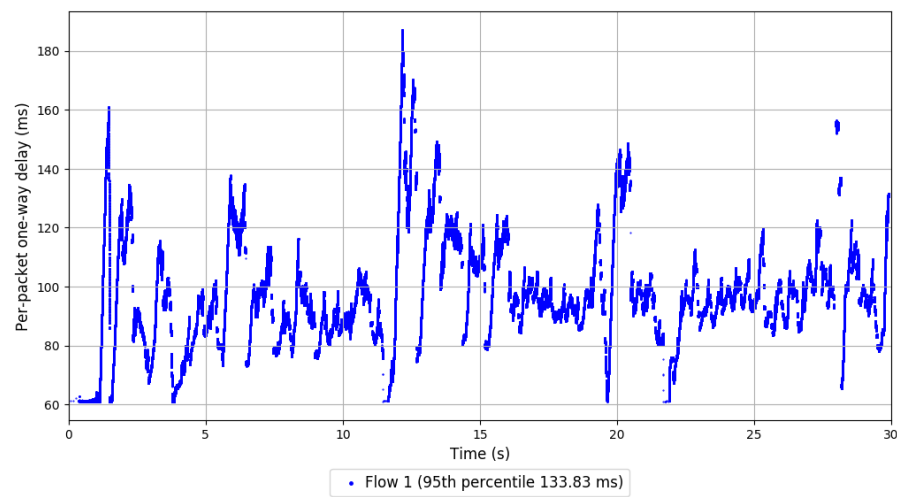
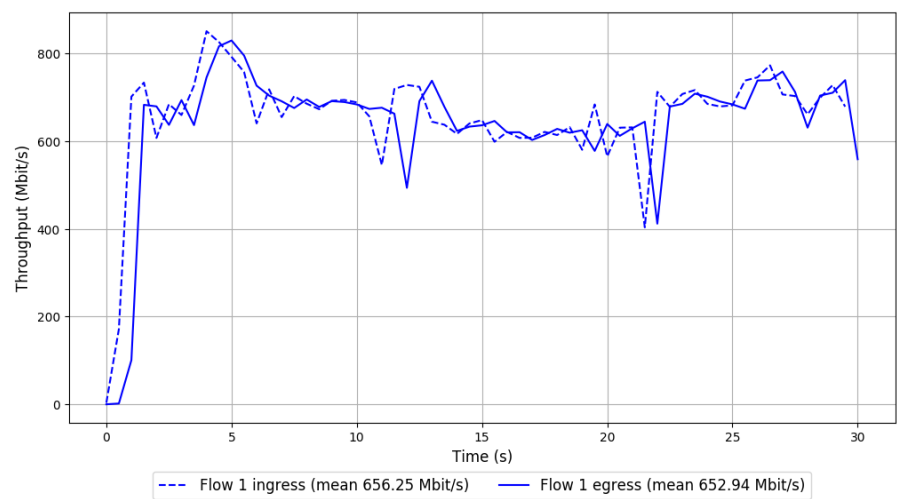


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-26 02:08:41
End at: 2018-07-26 02:09:11
Local clock offset: -0.074 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 652.94 Mbit/s
95th percentile per-packet one-way delay: 133.828 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 652.94 Mbit/s
95th percentile per-packet one-way delay: 133.828 ms
Loss rate: 0.89%

Run 10: Report of FillP-Sheep — Data Link

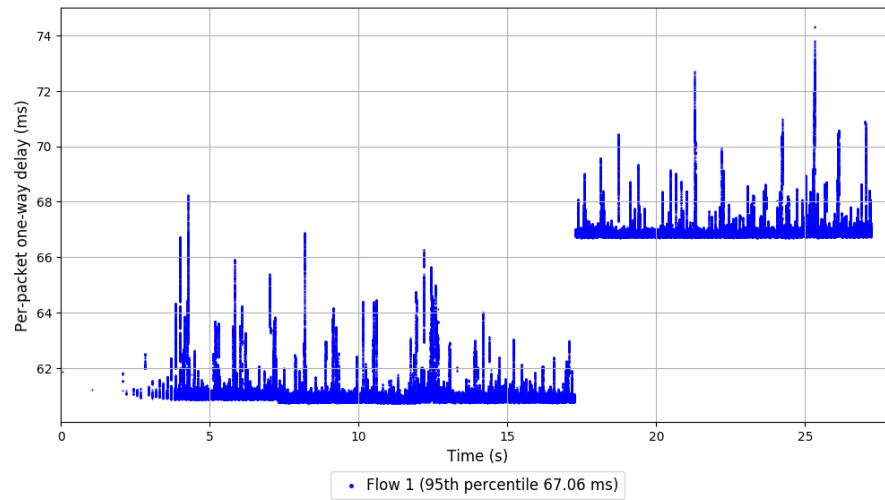
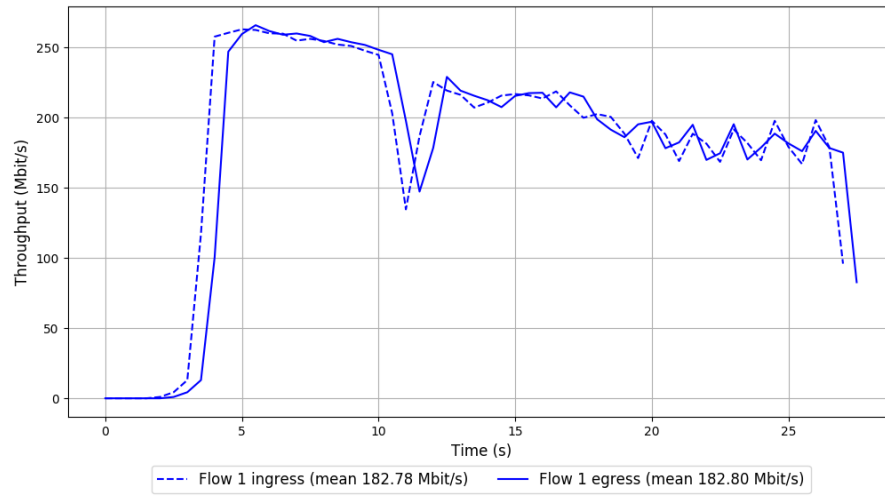


Run 1: Statistics of Indigo

Start at: 2018-07-25 23:01:07
End at: 2018-07-25 23:01:37
Local clock offset: -0.124 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.80 Mbit/s
95th percentile per-packet one-way delay: 67.063 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 182.80 Mbit/s
95th percentile per-packet one-way delay: 67.063 ms
Loss rate: 0.46%

Run 1: Report of Indigo — Data Link

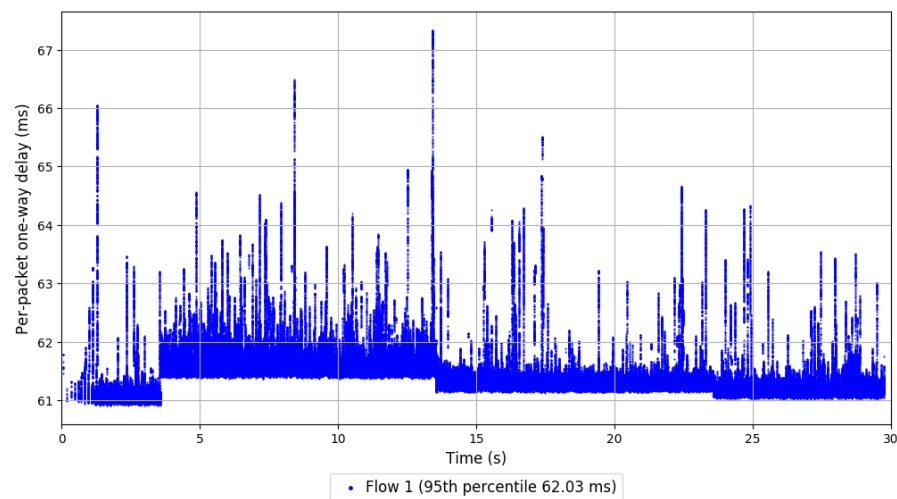
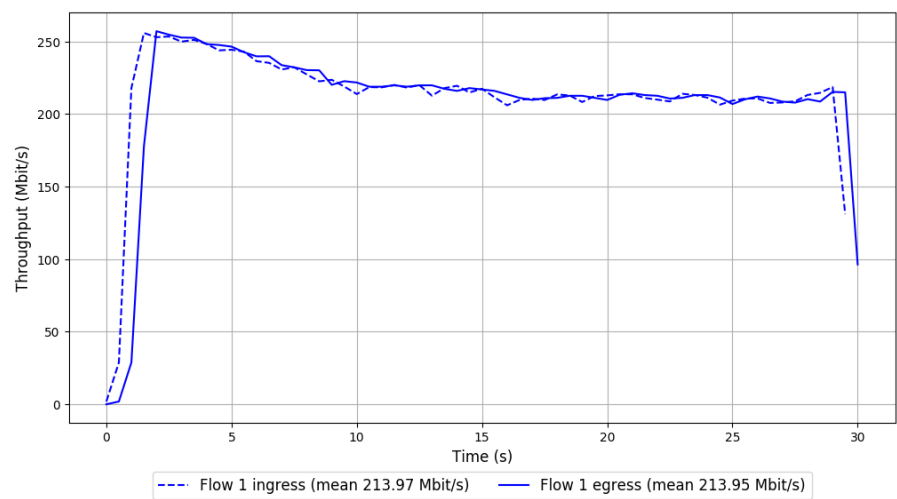


Run 2: Statistics of Indigo

Start at: 2018-07-25 23:22:43
End at: 2018-07-25 23:23:13
Local clock offset: -0.071 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.95 Mbit/s
95th percentile per-packet one-way delay: 62.028 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 213.95 Mbit/s
95th percentile per-packet one-way delay: 62.028 ms
Loss rate: 0.42%

Run 2: Report of Indigo — Data Link

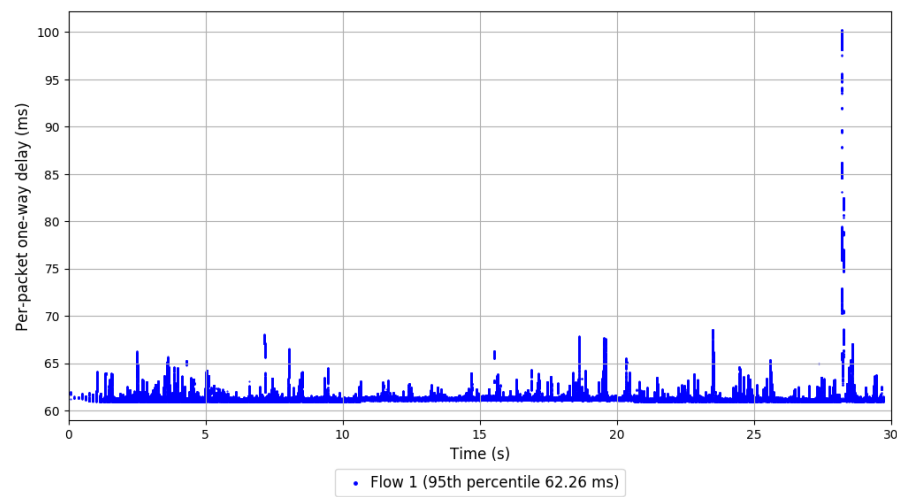
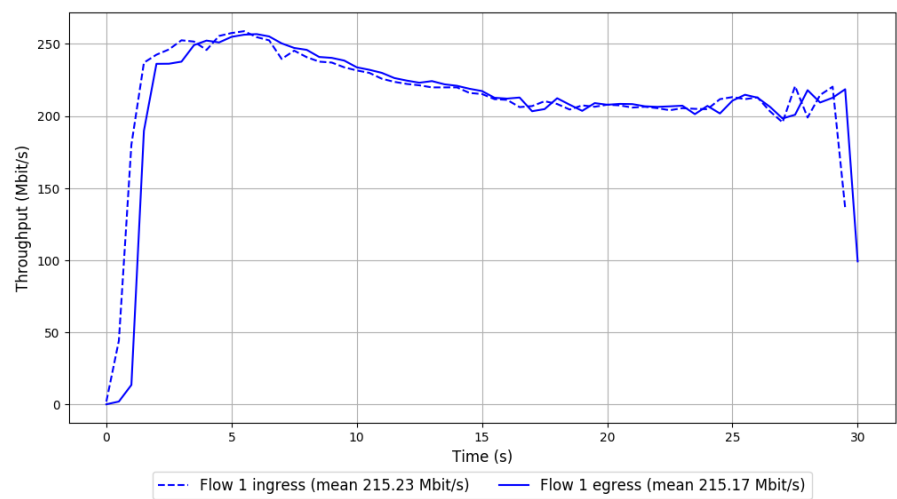


Run 3: Statistics of Indigo

Start at: 2018-07-25 23:45:06
End at: 2018-07-25 23:45:36
Local clock offset: -0.108 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.17 Mbit/s
95th percentile per-packet one-way delay: 62.255 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 215.17 Mbit/s
95th percentile per-packet one-way delay: 62.255 ms
Loss rate: 0.44%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-26 00:07:13

End at: 2018-07-26 00:07:43

Local clock offset: -0.142 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-07-26 03:39:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.11 Mbit/s

95th percentile per-packet one-way delay: 61.635 ms

Loss rate: 0.44%

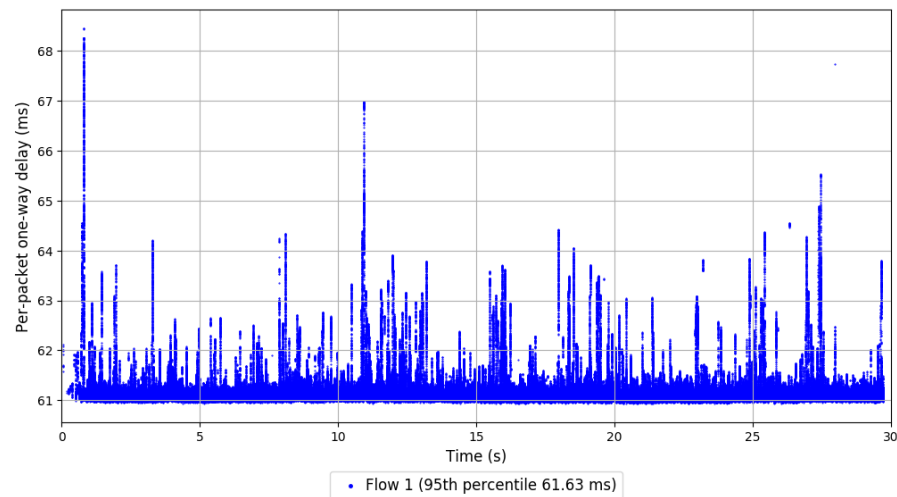
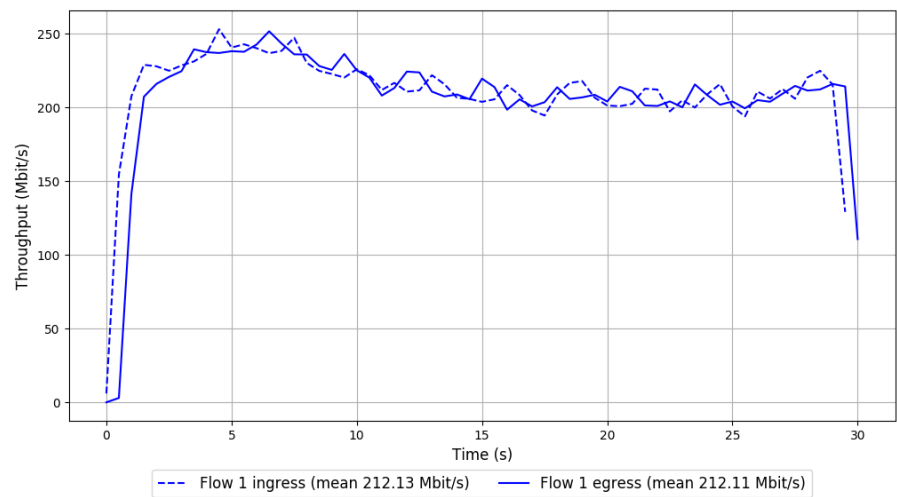
-- Flow 1:

Average throughput: 212.11 Mbit/s

95th percentile per-packet one-way delay: 61.635 ms

Loss rate: 0.44%

Run 4: Report of Indigo — Data Link

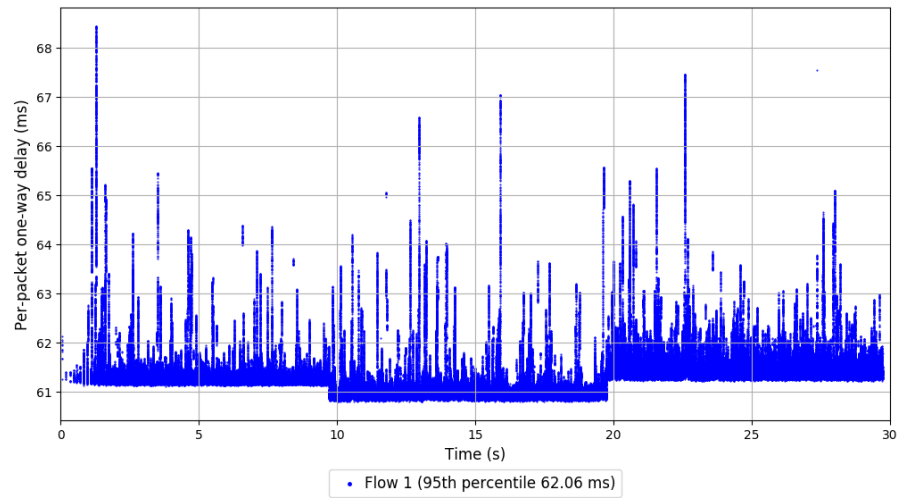
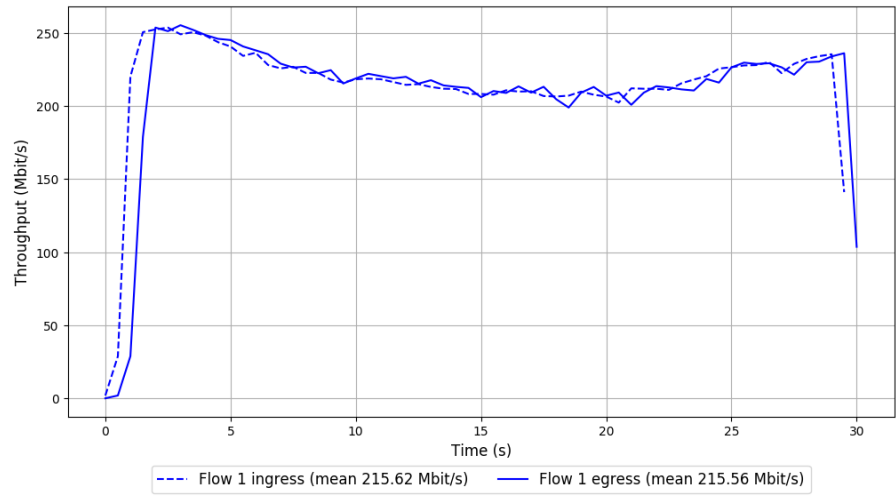


Run 5: Statistics of Indigo

Start at: 2018-07-26 00:29:27
End at: 2018-07-26 00:29:57
Local clock offset: -0.122 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.56 Mbit/s
95th percentile per-packet one-way delay: 62.059 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 215.56 Mbit/s
95th percentile per-packet one-way delay: 62.059 ms
Loss rate: 0.45%

Run 5: Report of Indigo — Data Link

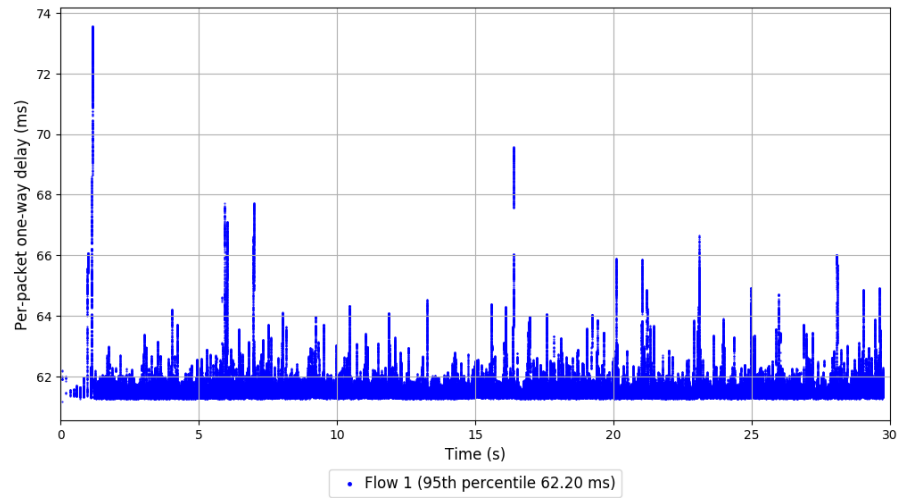
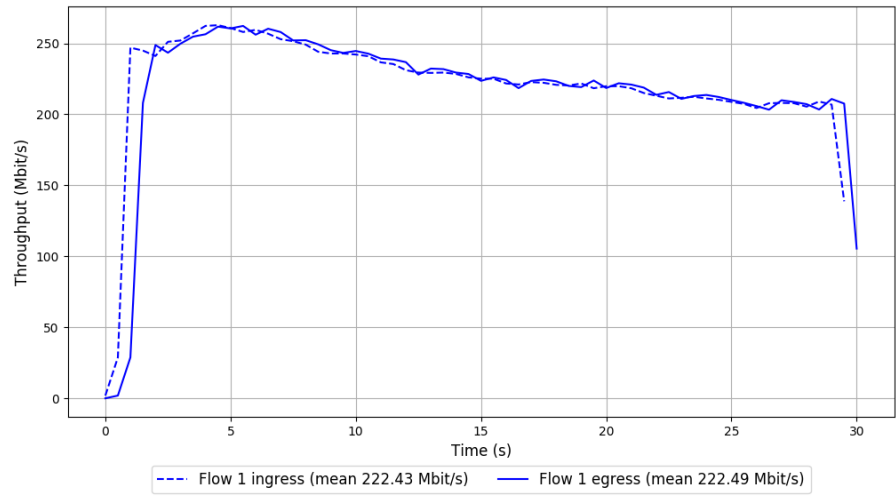


Run 6: Statistics of Indigo

Start at: 2018-07-26 00:51:52
End at: 2018-07-26 00:52:23
Local clock offset: -0.036 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.49 Mbit/s
95th percentile per-packet one-way delay: 62.200 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 222.49 Mbit/s
95th percentile per-packet one-way delay: 62.200 ms
Loss rate: 0.39%

Run 6: Report of Indigo — Data Link

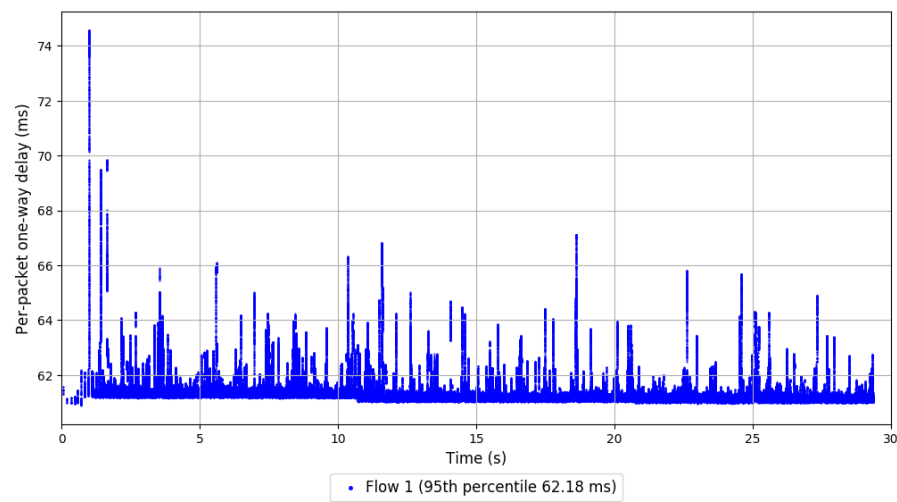
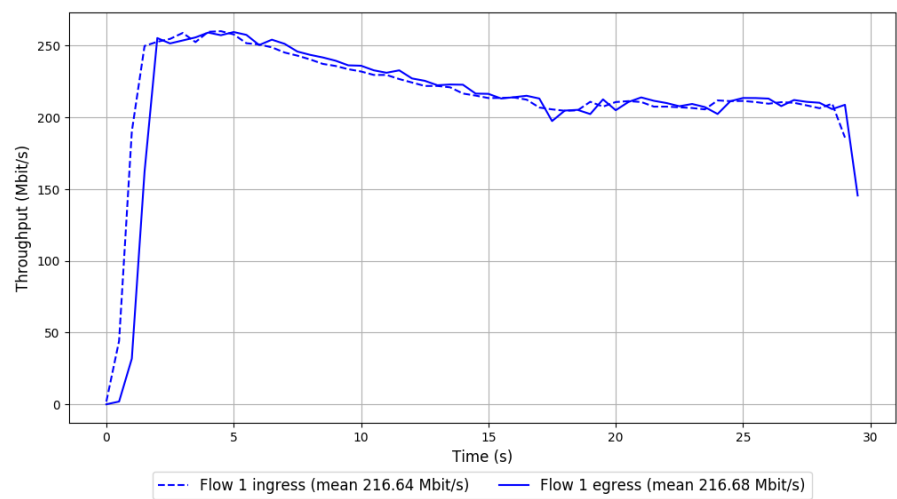


Run 7: Statistics of Indigo

Start at: 2018-07-26 01:14:06
End at: 2018-07-26 01:14:36
Local clock offset: -0.005 ms
Remote clock offset: -0.258 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.68 Mbit/s
95th percentile per-packet one-way delay: 62.178 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 216.68 Mbit/s
95th percentile per-packet one-way delay: 62.178 ms
Loss rate: 0.40%

Run 7: Report of Indigo — Data Link

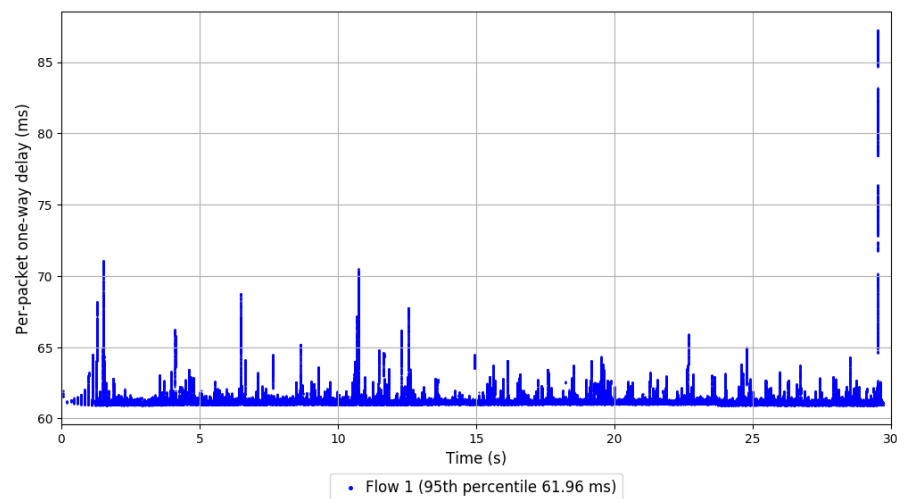
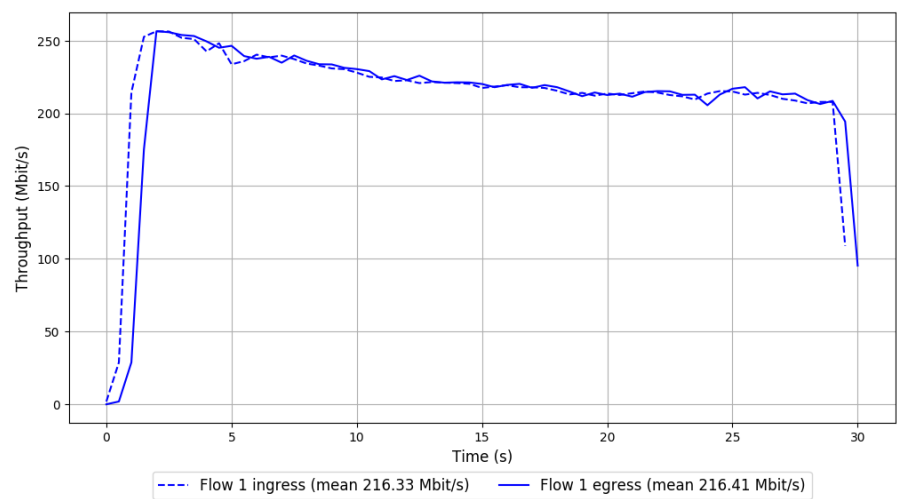


Run 8: Statistics of Indigo

Start at: 2018-07-26 01:36:23
End at: 2018-07-26 01:36:53
Local clock offset: -0.099 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.41 Mbit/s
95th percentile per-packet one-way delay: 61.959 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 216.41 Mbit/s
95th percentile per-packet one-way delay: 61.959 ms
Loss rate: 0.39%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-26 01:58:37

End at: 2018-07-26 01:59:07

Local clock offset: -0.056 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-26 03:39:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.44 Mbit/s

95th percentile per-packet one-way delay: 62.168 ms

Loss rate: 0.41%

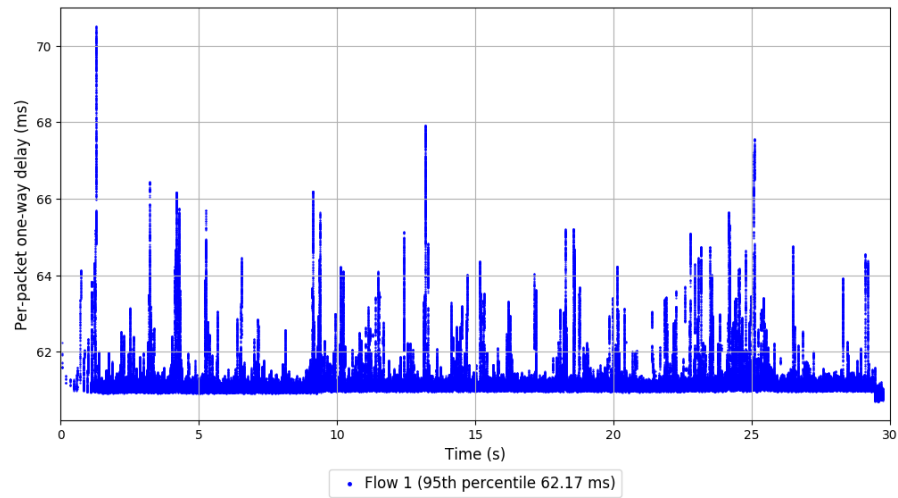
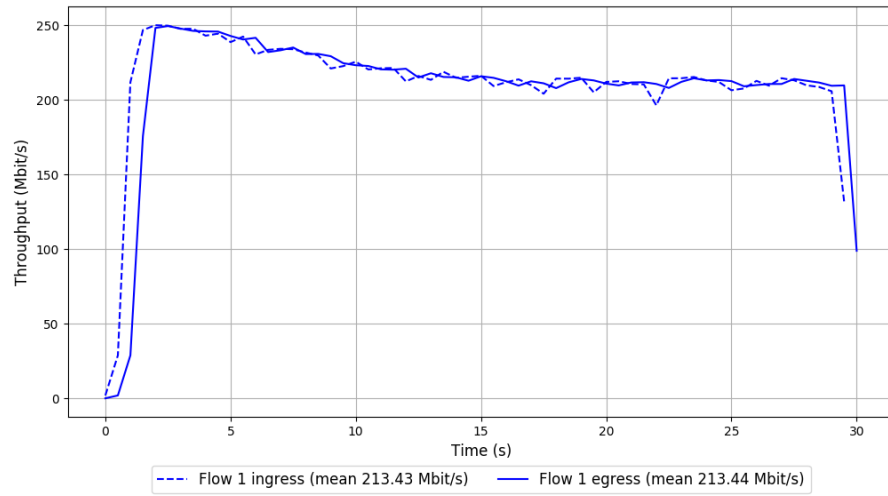
-- Flow 1:

Average throughput: 213.44 Mbit/s

95th percentile per-packet one-way delay: 62.168 ms

Loss rate: 0.41%

Run 9: Report of Indigo — Data Link

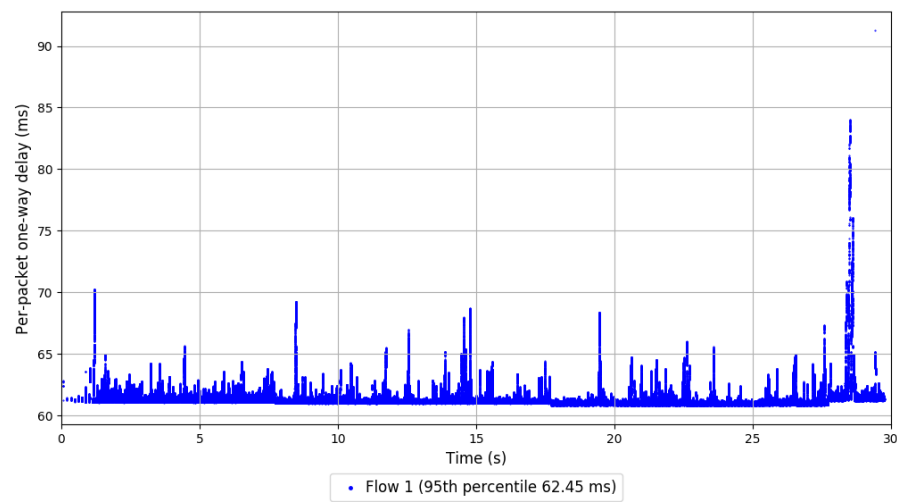
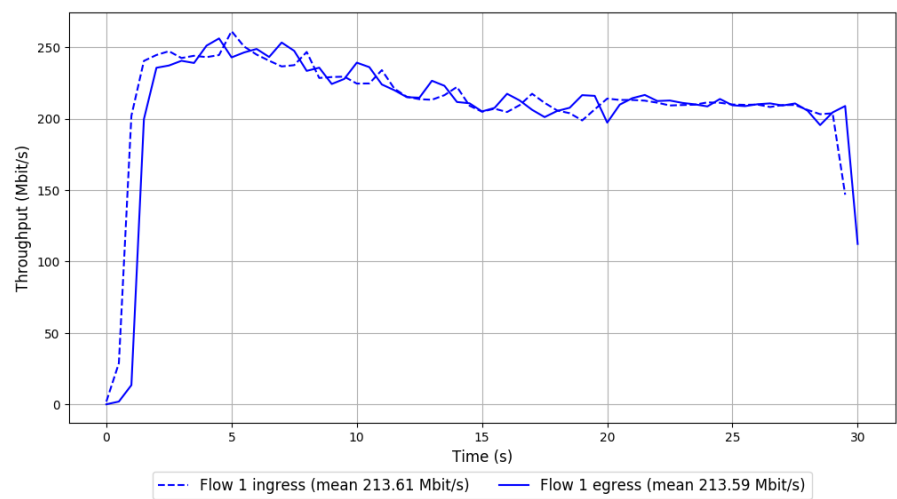


Run 10: Statistics of Indigo

Start at: 2018-07-26 02:20:49
End at: 2018-07-26 02:21:19
Local clock offset: -0.028 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.59 Mbit/s
95th percentile per-packet one-way delay: 62.452 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 213.59 Mbit/s
95th percentile per-packet one-way delay: 62.452 ms
Loss rate: 0.42%

Run 10: Report of Indigo — Data Link

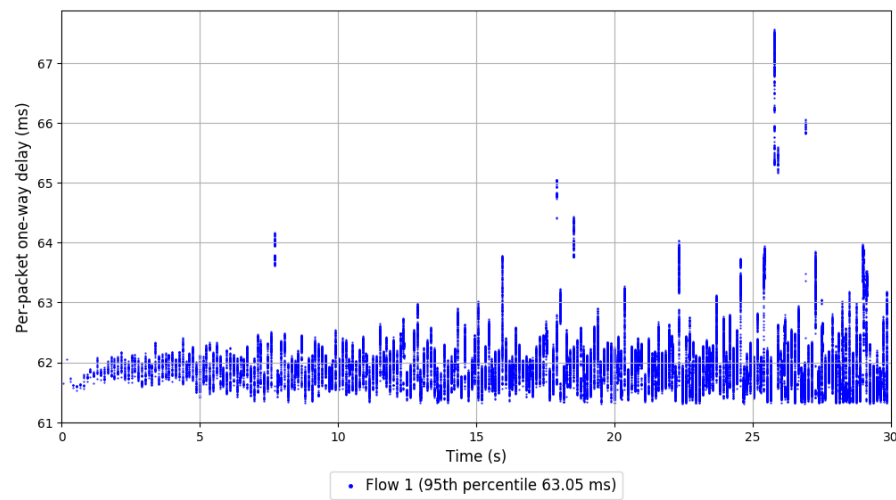
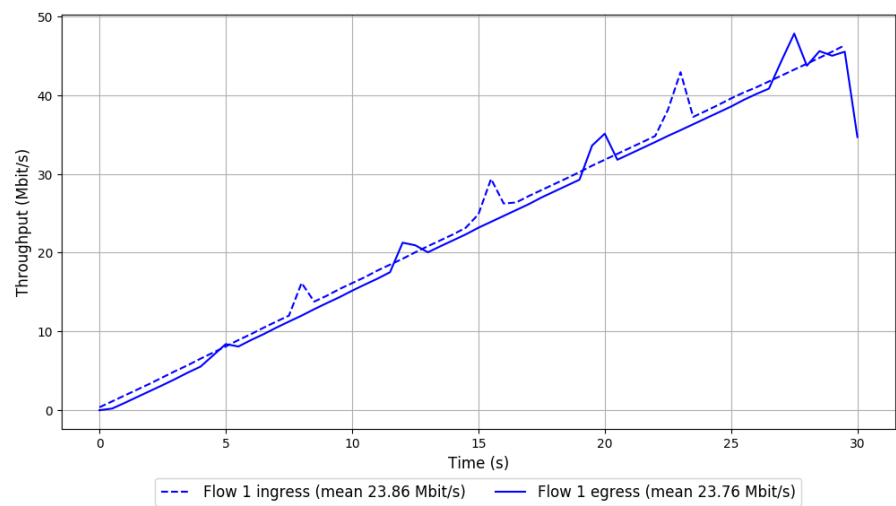


Run 1: Statistics of LEDBAT

Start at: 2018-07-25 22:45:22
End at: 2018-07-25 22:45:52
Local clock offset: -0.157 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 63.051 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 63.051 ms
Loss rate: 0.82%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-25 23:07:12

End at: 2018-07-25 23:07:42

Local clock offset: -0.136 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-07-26 03:39:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.14 Mbit/s

95th percentile per-packet one-way delay: 62.784 ms

Loss rate: 0.83%

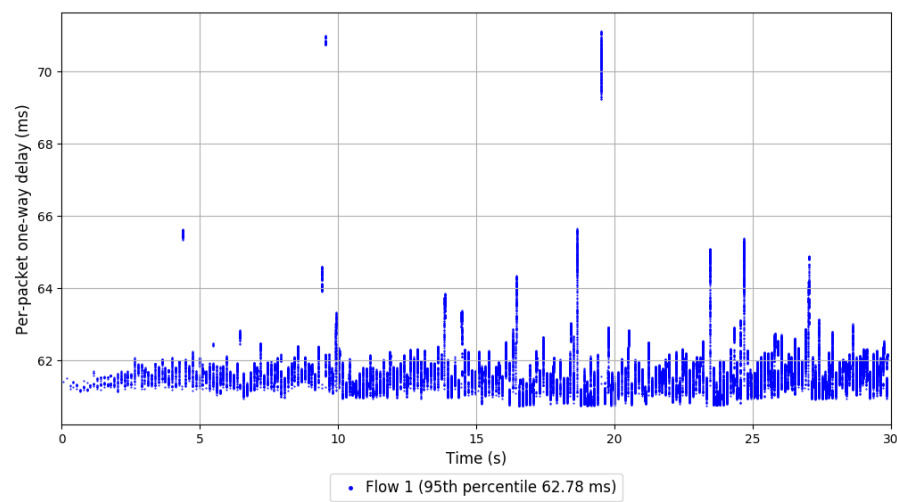
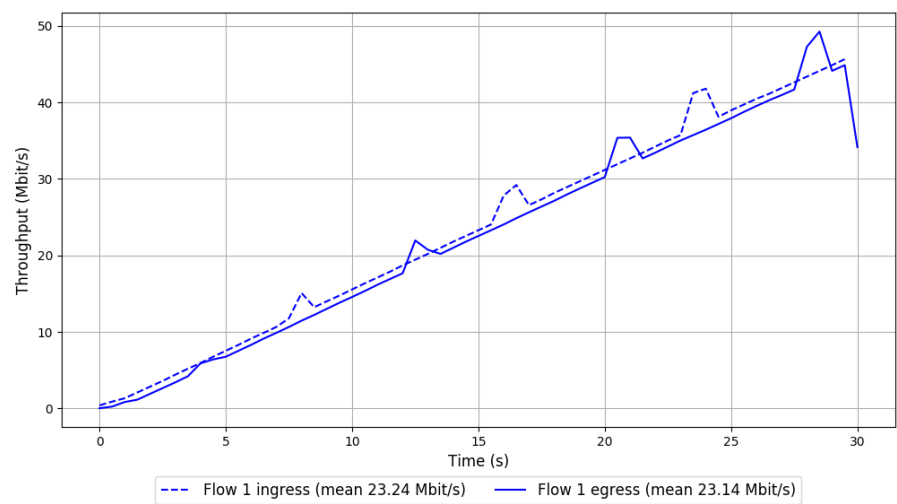
-- Flow 1:

Average throughput: 23.14 Mbit/s

95th percentile per-packet one-way delay: 62.784 ms

Loss rate: 0.83%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-25 23:29:18

End at: 2018-07-25 23:29:48

Local clock offset: -0.068 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-07-26 03:39:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 63.838 ms

Loss rate: 0.82%

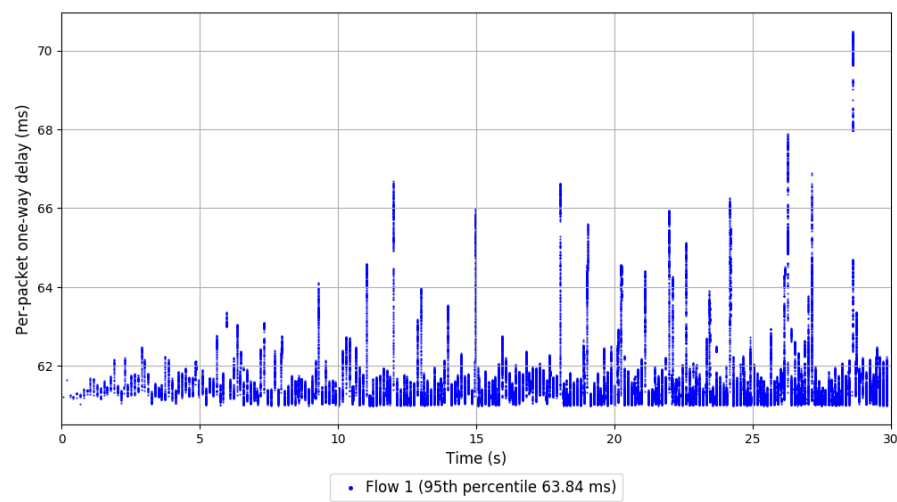
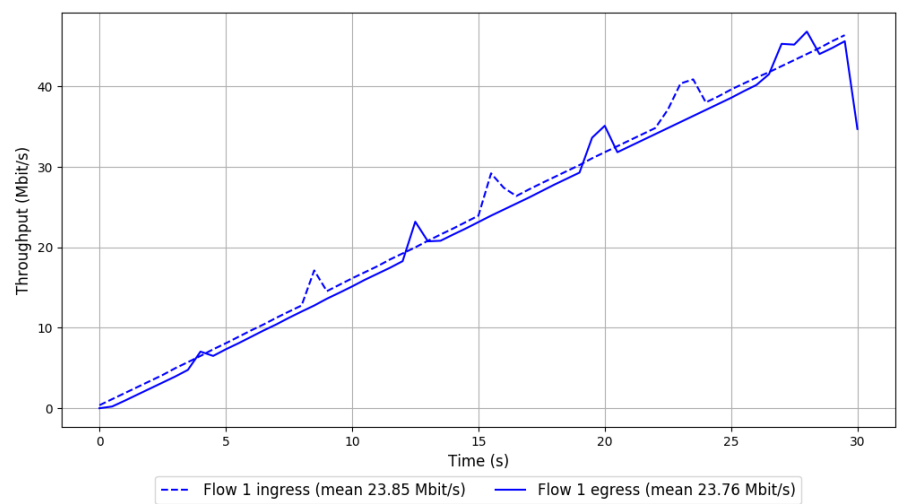
-- Flow 1:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 63.838 ms

Loss rate: 0.82%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-25 23:51:34

End at: 2018-07-25 23:52:04

Local clock offset: -0.113 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-26 03:39:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.10 Mbit/s

95th percentile per-packet one-way delay: 62.794 ms

Loss rate: 0.91%

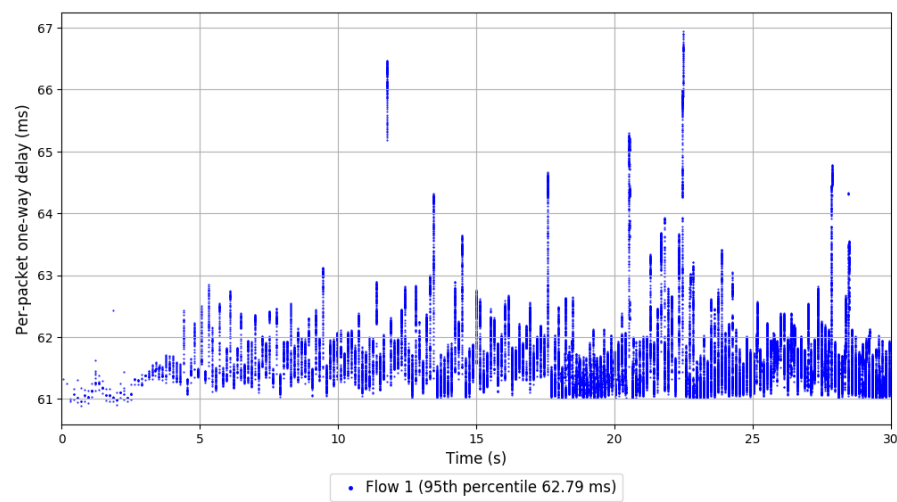
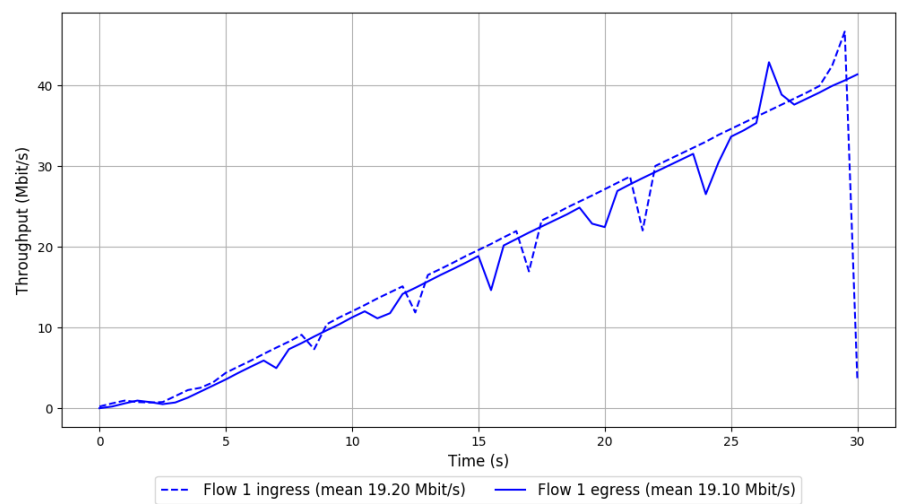
-- Flow 1:

Average throughput: 19.10 Mbit/s

95th percentile per-packet one-way delay: 62.794 ms

Loss rate: 0.91%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-26 00:13:44

End at: 2018-07-26 00:14:14

Local clock offset: -0.14 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-26 03:39:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.39 Mbit/s

95th percentile per-packet one-way delay: 63.708 ms

Loss rate: 0.84%

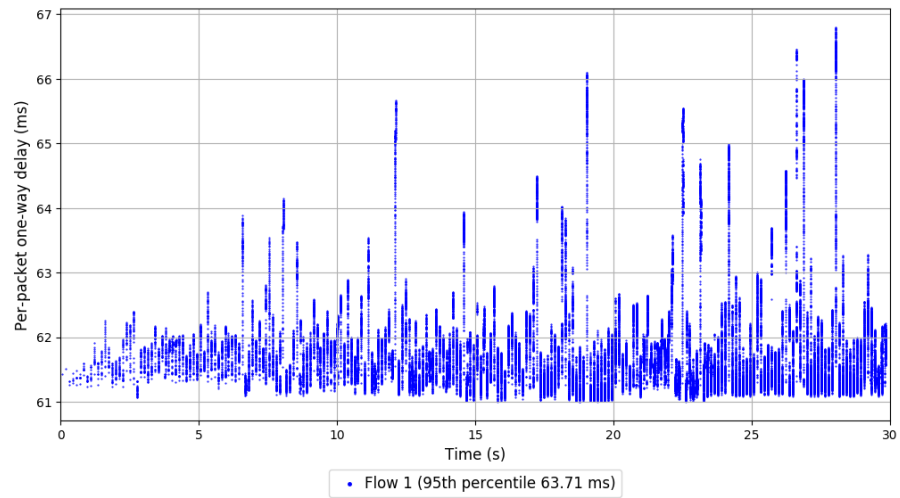
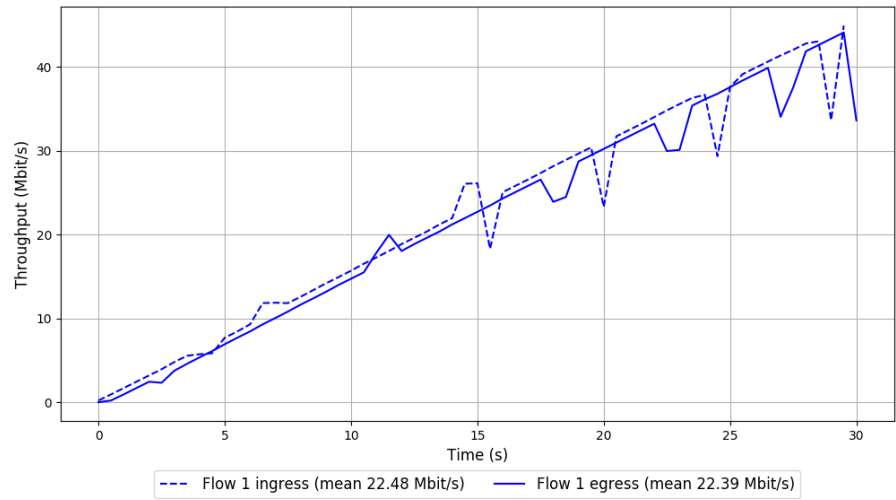
-- Flow 1:

Average throughput: 22.39 Mbit/s

95th percentile per-packet one-way delay: 63.708 ms

Loss rate: 0.84%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-26 00:35:56

End at: 2018-07-26 00:36:26

Local clock offset: -0.082 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-26 03:39:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.38 Mbit/s

95th percentile per-packet one-way delay: 63.368 ms

Loss rate: 0.90%

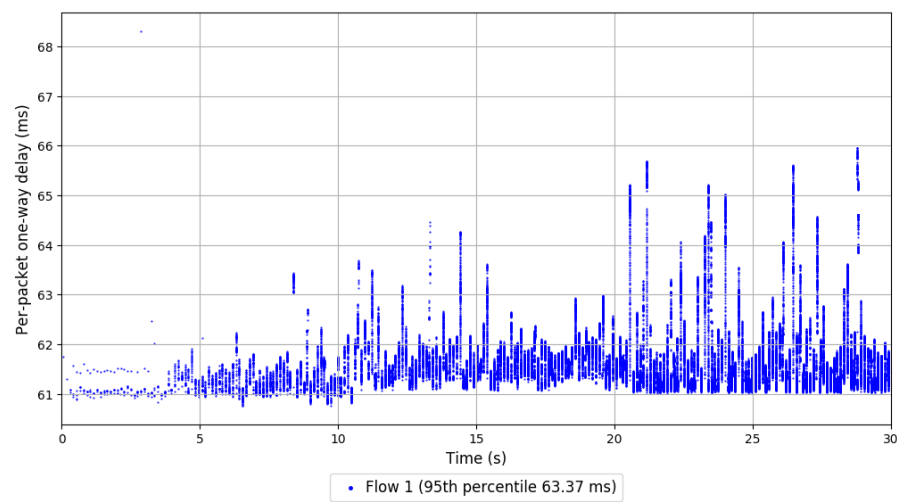
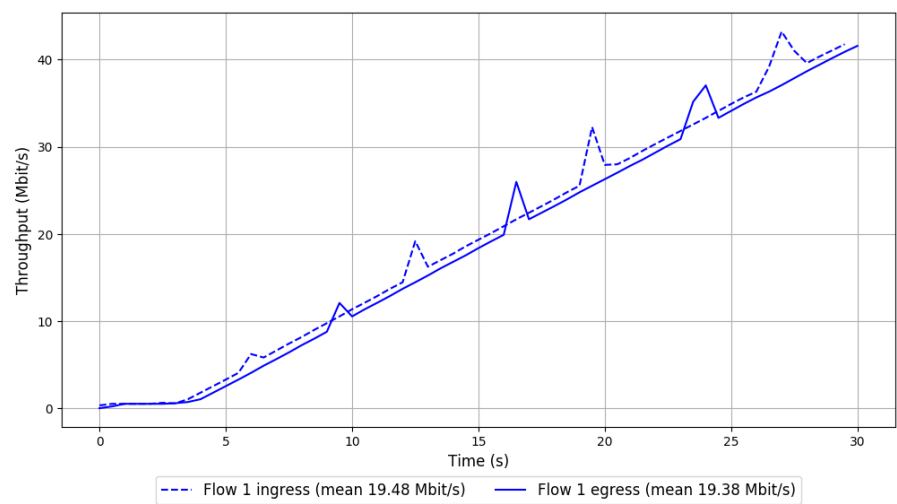
-- Flow 1:

Average throughput: 19.38 Mbit/s

95th percentile per-packet one-way delay: 63.368 ms

Loss rate: 0.90%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-26 00:58:24

End at: 2018-07-26 00:58:54

Local clock offset: -0.018 ms

Remote clock offset: 1.206 ms

Below is generated by plot.py at 2018-07-26 03:39:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.03 Mbit/s

95th percentile per-packet one-way delay: 60.820 ms

Loss rate: 2.15%

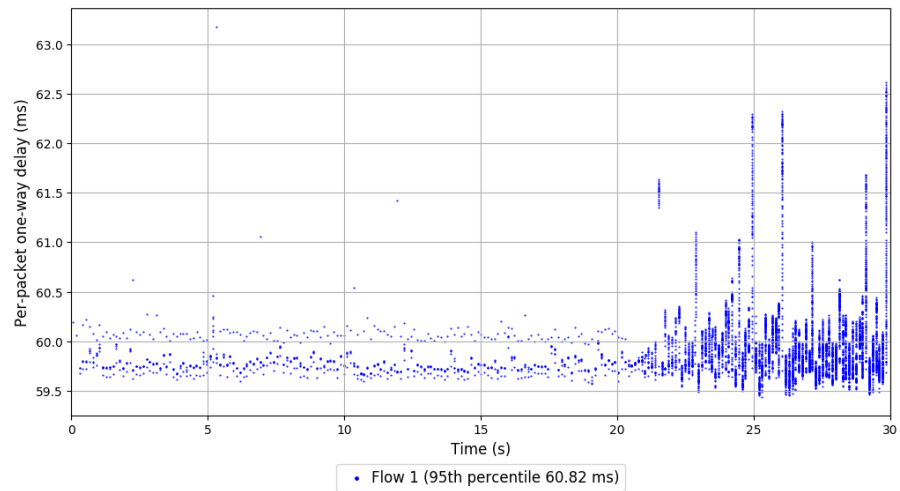
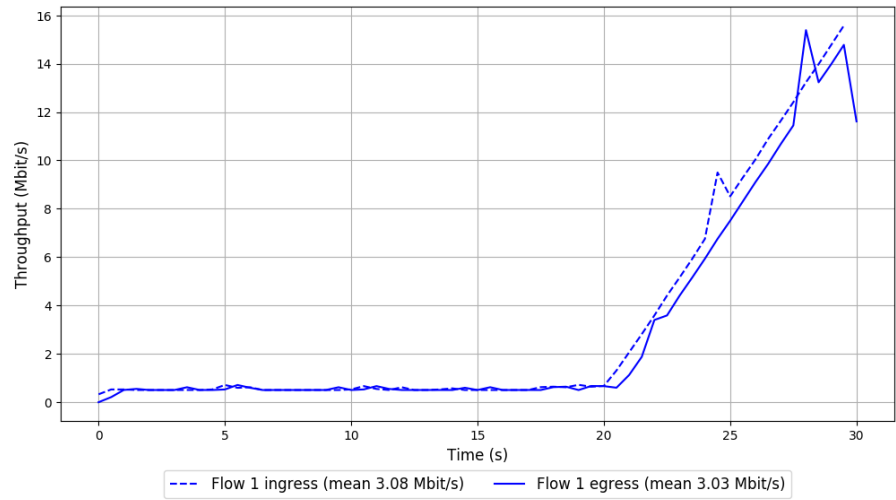
-- Flow 1:

Average throughput: 3.03 Mbit/s

95th percentile per-packet one-way delay: 60.820 ms

Loss rate: 2.15%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-26 01:20:37

End at: 2018-07-26 01:21:07

Local clock offset: -0.065 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-07-26 03:39:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.88 Mbit/s

95th percentile per-packet one-way delay: 63.289 ms

Loss rate: 0.81%

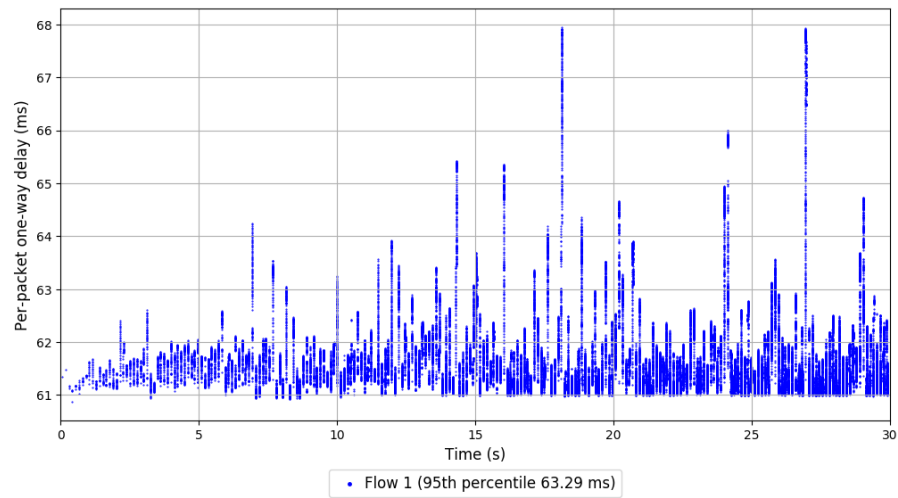
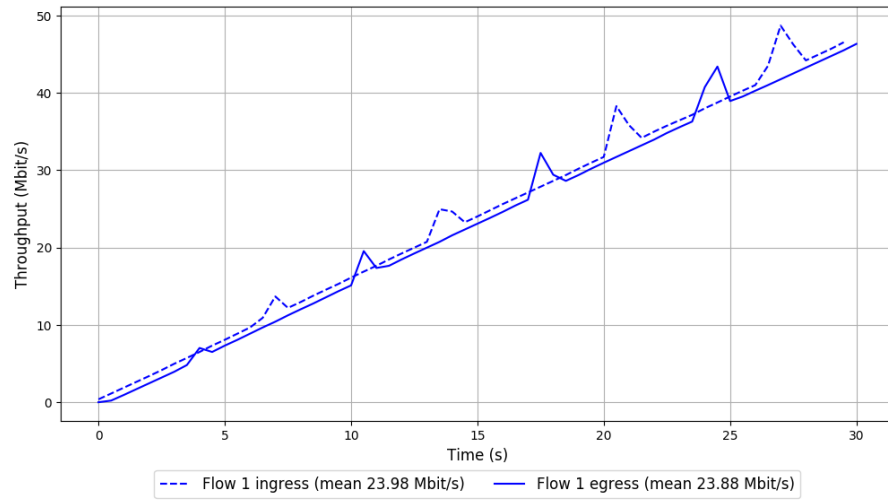
-- Flow 1:

Average throughput: 23.88 Mbit/s

95th percentile per-packet one-way delay: 63.289 ms

Loss rate: 0.81%

Run 8: Report of LEDBAT — Data Link

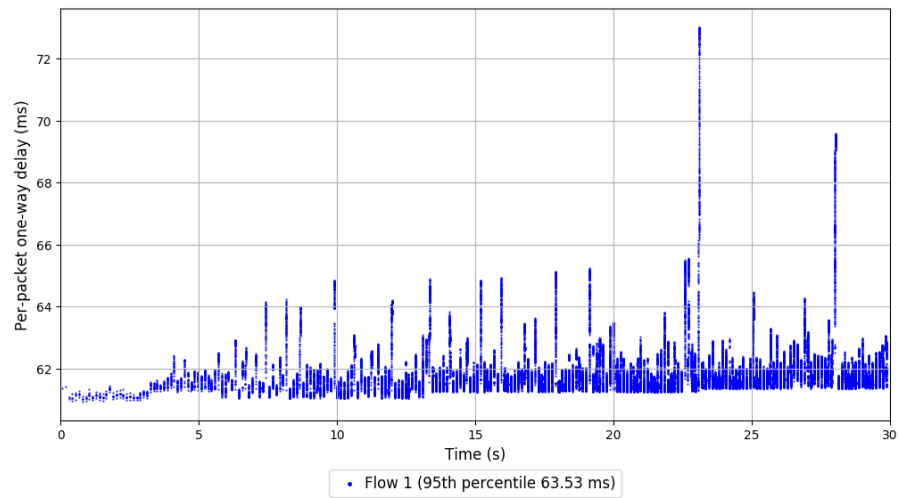
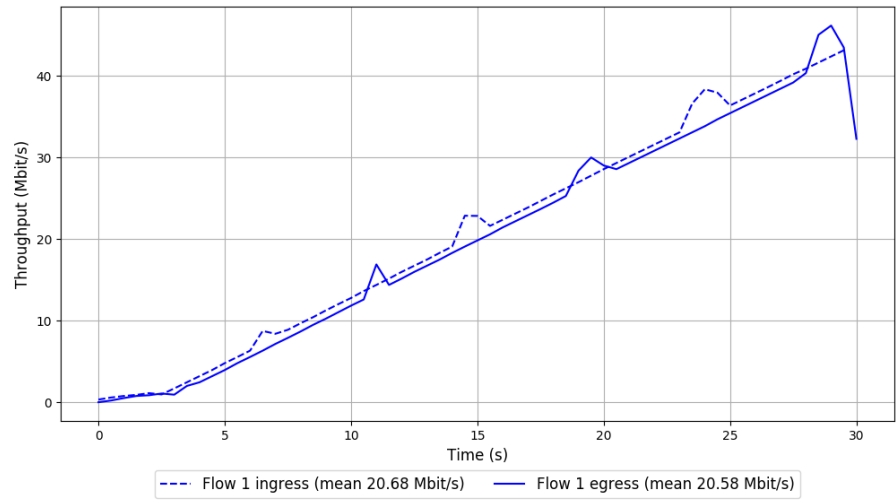


Run 9: Statistics of LEDBAT

Start at: 2018-07-26 01:42:54
End at: 2018-07-26 01:43:24
Local clock offset: -0.065 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 63.533 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 63.533 ms
Loss rate: 0.88%

Run 9: Report of LEDBAT — Data Link

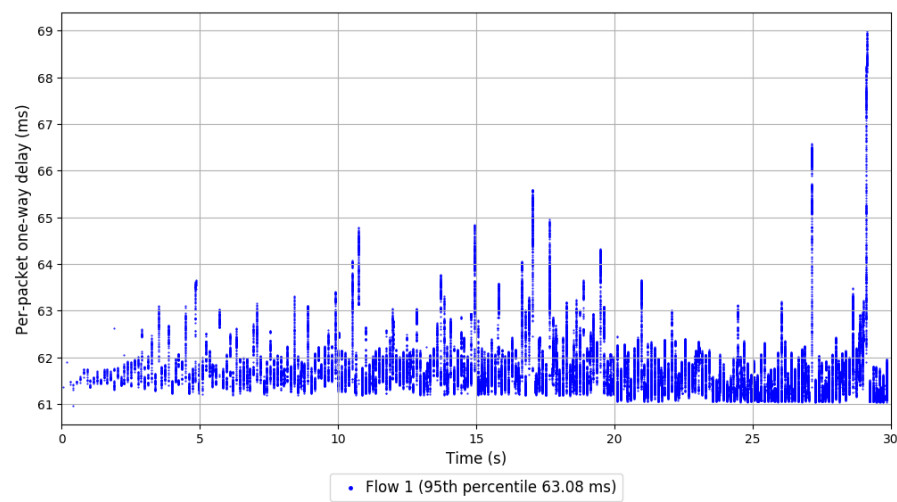
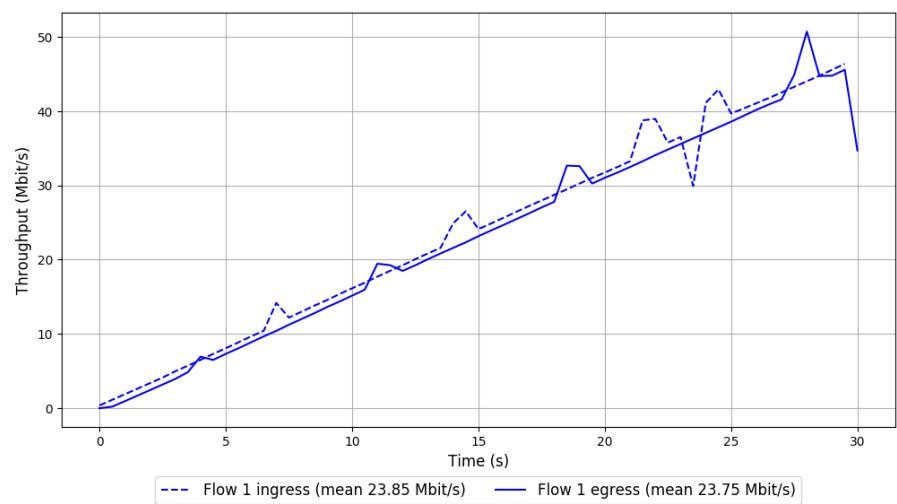


Run 10: Statistics of LEDBAT

Start at: 2018-07-26 02:05:07
End at: 2018-07-26 02:05:37
Local clock offset: -0.071 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-26 03:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 63.083 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 63.083 ms
Loss rate: 0.82%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-25 22:51:44

End at: 2018-07-25 22:52:14

Local clock offset: -0.147 ms

Remote clock offset: 0.236 ms

Below is generated by plot.py at 2018-07-26 03:47:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.46 Mbit/s

95th percentile per-packet one-way delay: 87.939 ms

Loss rate: 0.99%

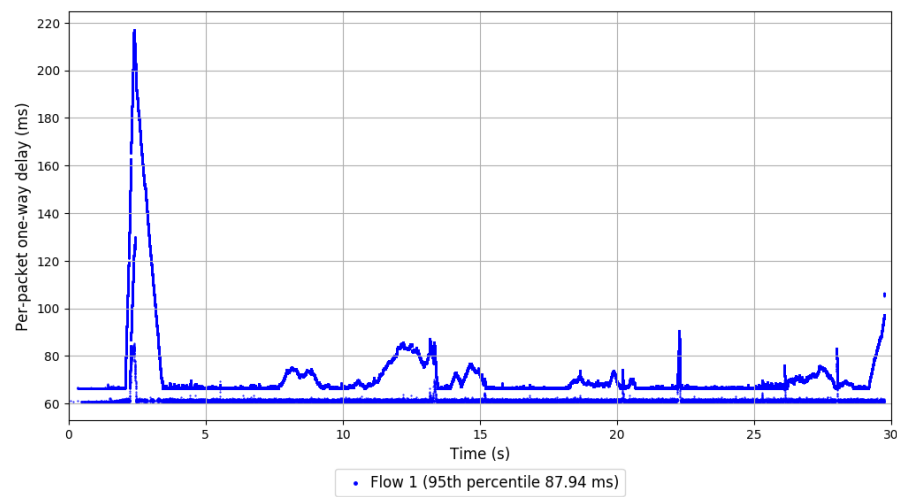
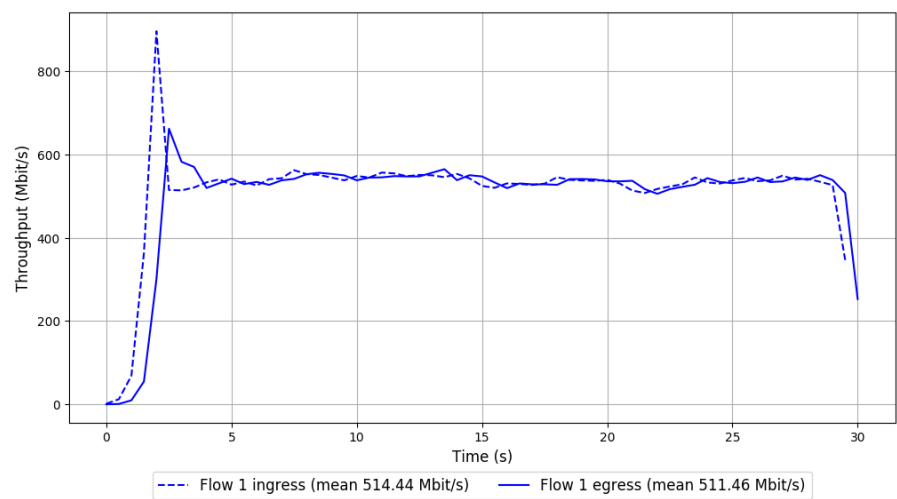
-- Flow 1:

Average throughput: 511.46 Mbit/s

95th percentile per-packet one-way delay: 87.939 ms

Loss rate: 0.99%

Run 1: Report of PCC-Allegro — Data Link

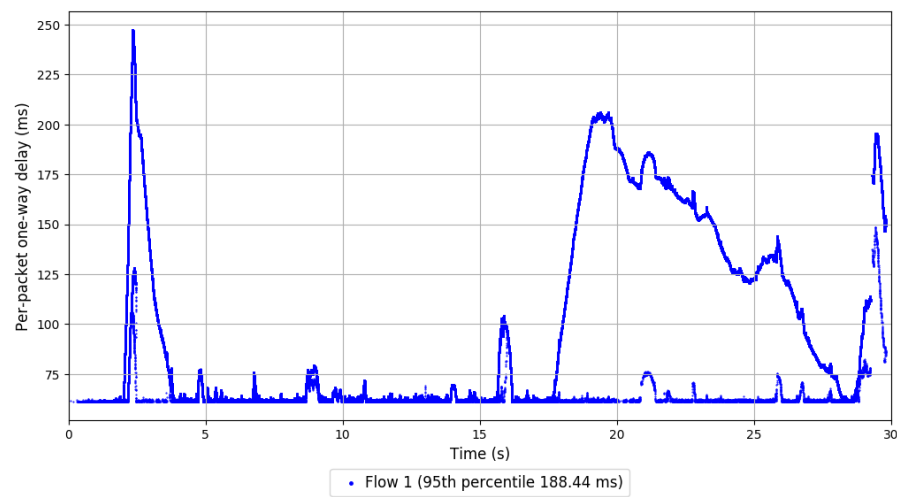
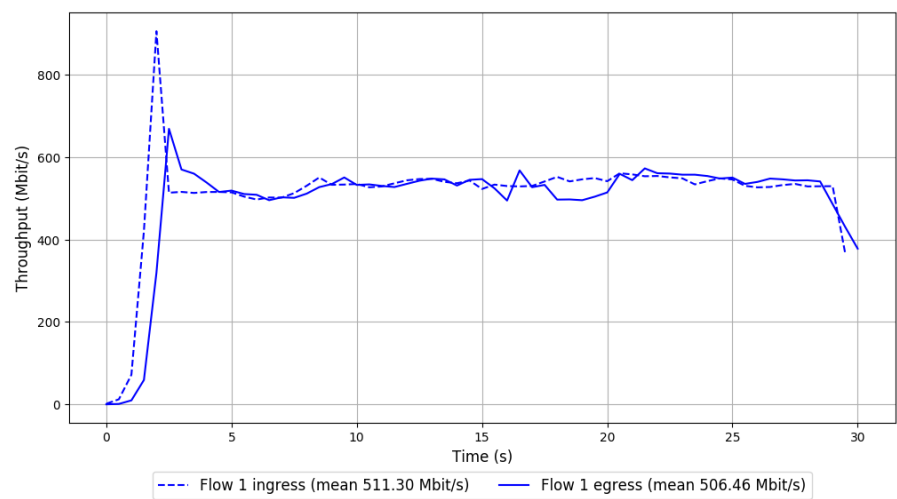


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 23:13:36
End at: 2018-07-25 23:14:06
Local clock offset: -0.145 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-26 03:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.46 Mbit/s
95th percentile per-packet one-way delay: 188.441 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 506.46 Mbit/s
95th percentile per-packet one-way delay: 188.441 ms
Loss rate: 1.43%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 23:35:41

End at: 2018-07-25 23:36:11

Local clock offset: -0.101 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-26 03:47:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 454.28 Mbit/s

95th percentile per-packet one-way delay: 169.247 ms

Loss rate: 0.86%

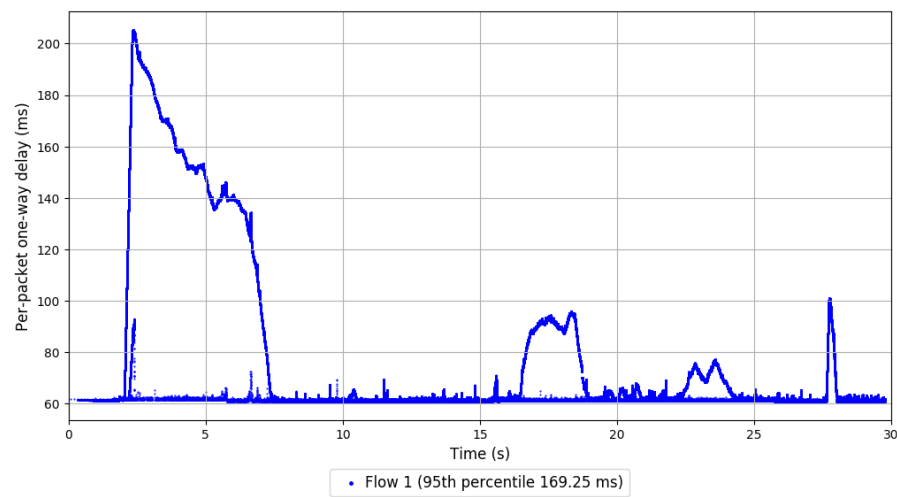
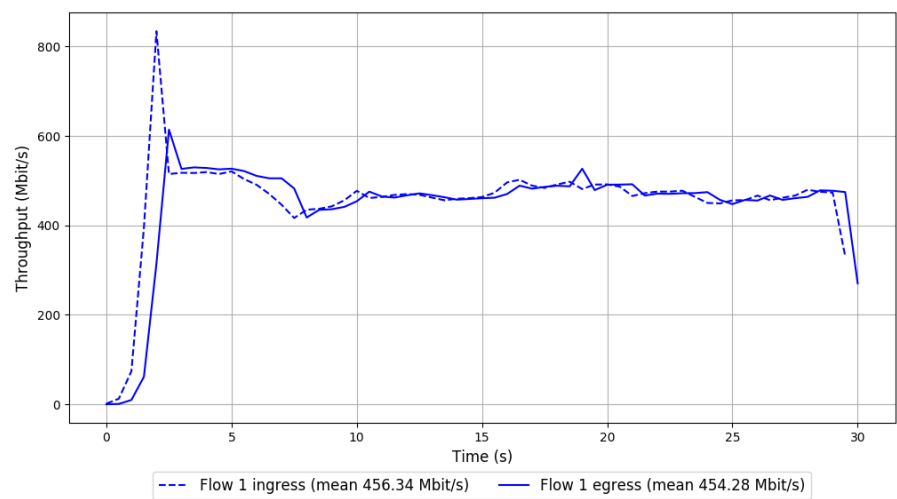
-- Flow 1:

Average throughput: 454.28 Mbit/s

95th percentile per-packet one-way delay: 169.247 ms

Loss rate: 0.86%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 23:57:57

End at: 2018-07-25 23:58:27

Local clock offset: -0.117 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-26 03:47:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.43 Mbit/s

95th percentile per-packet one-way delay: 195.827 ms

Loss rate: 1.47%

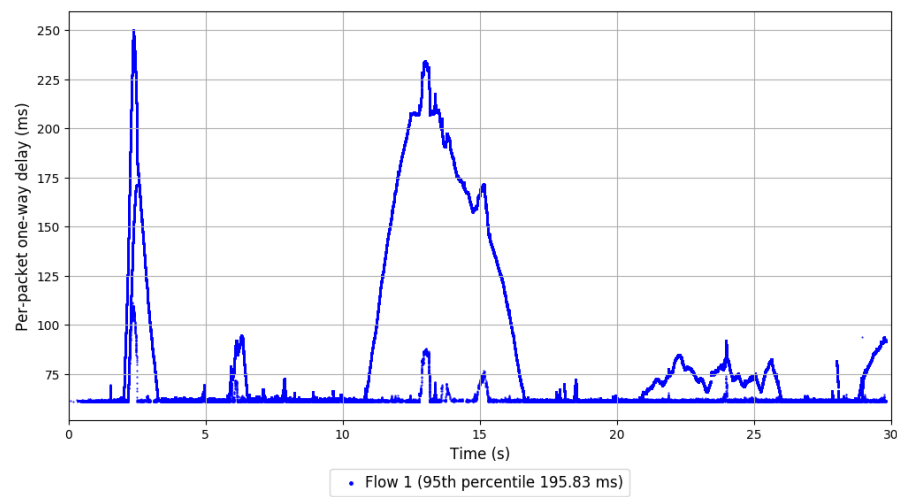
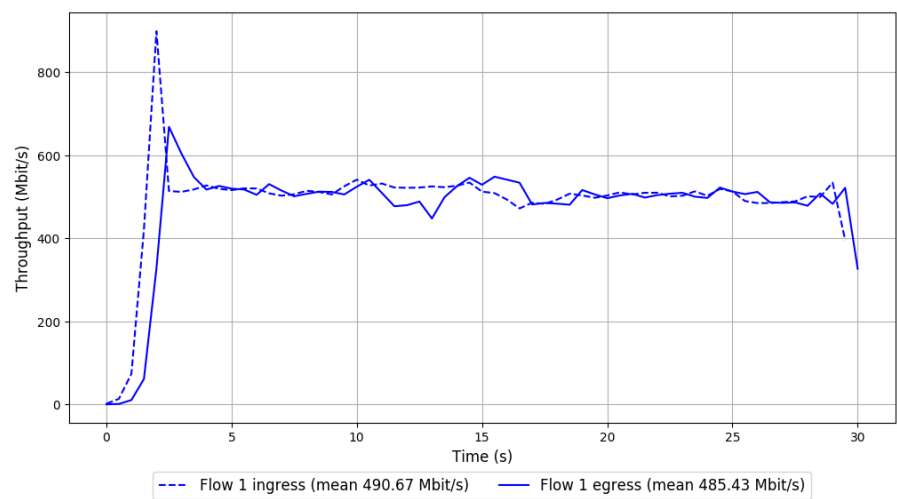
-- Flow 1:

Average throughput: 485.43 Mbit/s

95th percentile per-packet one-way delay: 195.827 ms

Loss rate: 1.47%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-26 00:20:05

End at: 2018-07-26 00:20:35

Local clock offset: -0.121 ms

Remote clock offset: 1.55 ms

Below is generated by plot.py at 2018-07-26 03:47:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 425.93 Mbit/s

95th percentile per-packet one-way delay: 203.121 ms

Loss rate: 1.62%

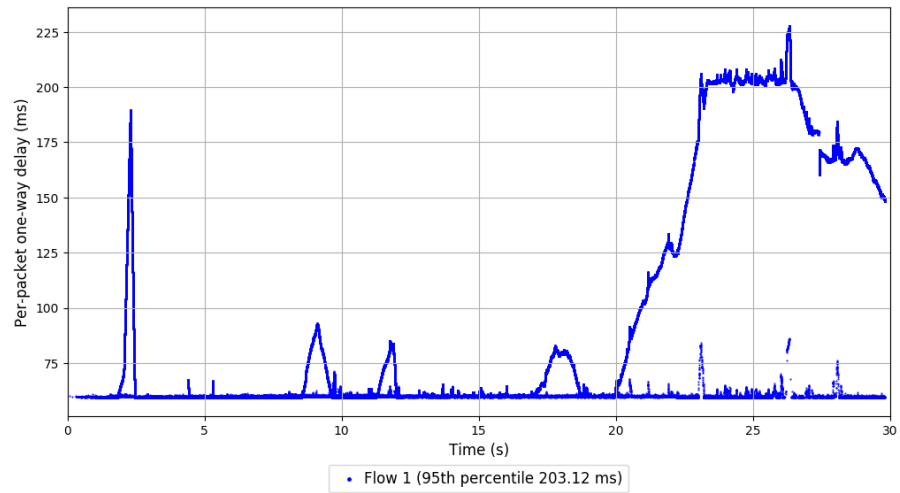
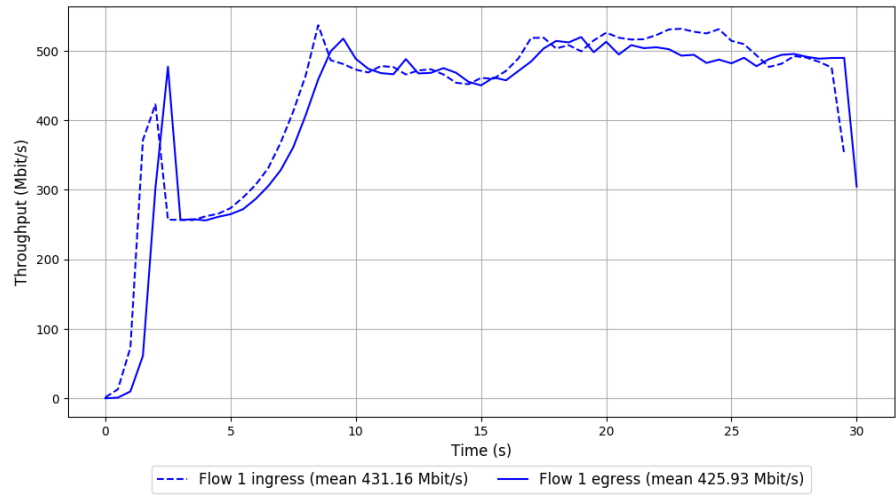
-- Flow 1:

Average throughput: 425.93 Mbit/s

95th percentile per-packet one-way delay: 203.121 ms

Loss rate: 1.62%

Run 5: Report of PCC-Allegro — Data Link

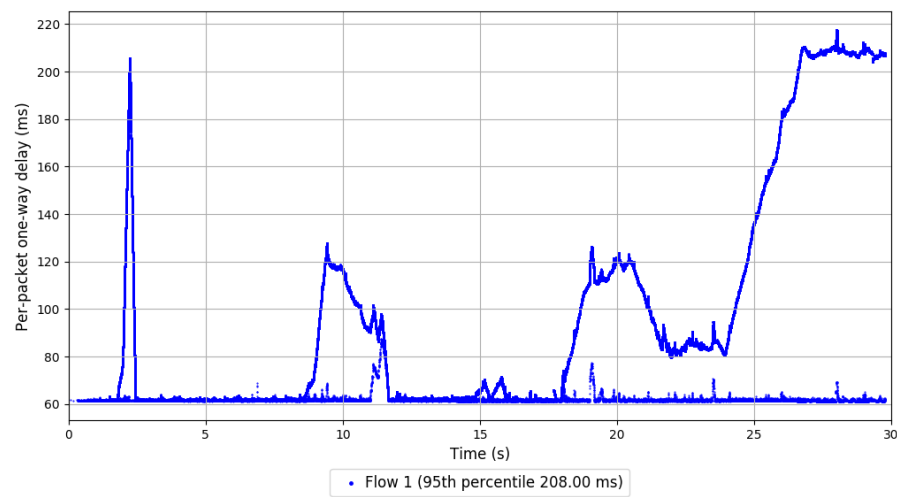
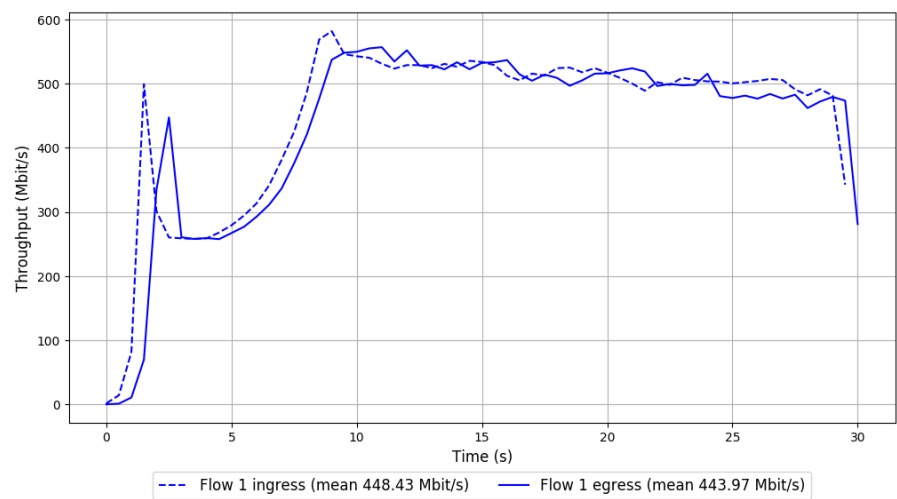


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-26 00:42:21
End at: 2018-07-26 00:42:51
Local clock offset: -0.044 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-26 03:48:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 443.97 Mbit/s
95th percentile per-packet one-way delay: 207.997 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 443.97 Mbit/s
95th percentile per-packet one-way delay: 207.997 ms
Loss rate: 1.40%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-26 01:04:45

End at: 2018-07-26 01:05:15

Local clock offset: -0.004 ms

Remote clock offset: -1.56 ms

Below is generated by plot.py at 2018-07-26 03:48:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 429.70 Mbit/s

95th percentile per-packet one-way delay: 90.111 ms

Loss rate: 0.64%

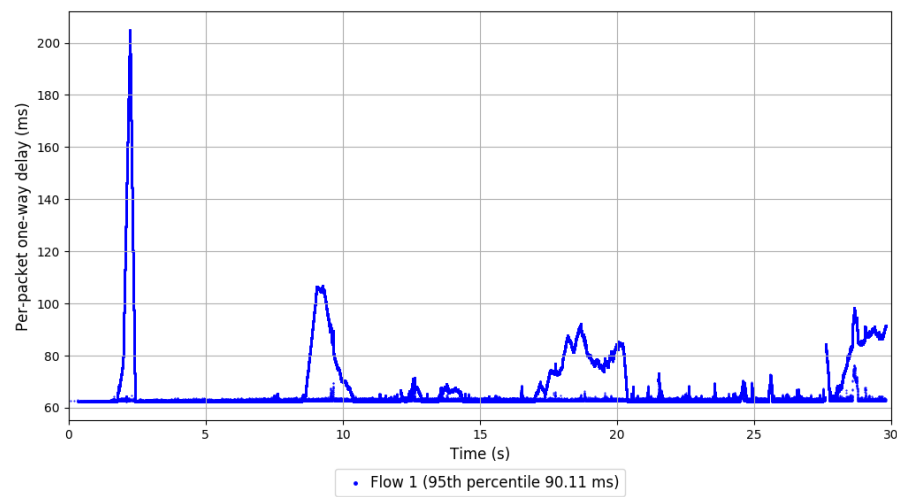
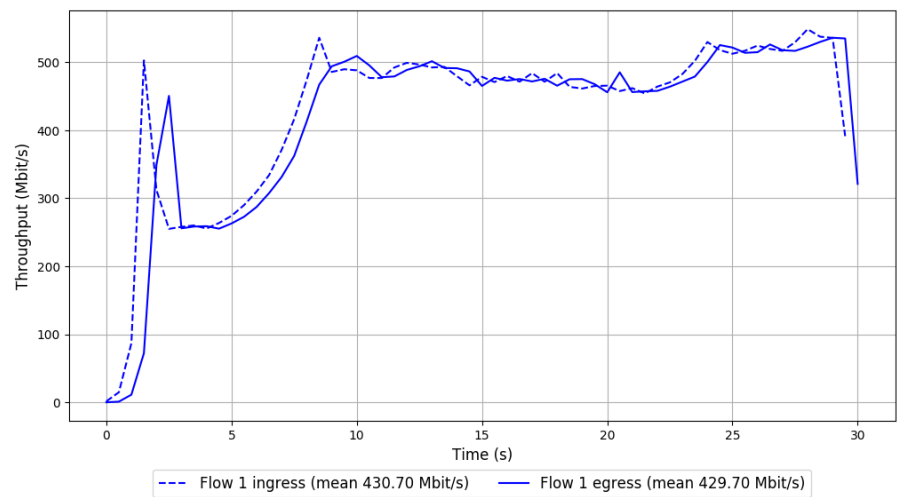
-- Flow 1:

Average throughput: 429.70 Mbit/s

95th percentile per-packet one-way delay: 90.111 ms

Loss rate: 0.64%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-26 01:27:04

End at: 2018-07-26 01:27:34

Local clock offset: -0.019 ms

Remote clock offset: -1.462 ms

Below is generated by plot.py at 2018-07-26 03:48:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 416.28 Mbit/s

95th percentile per-packet one-way delay: 160.602 ms

Loss rate: 0.76%

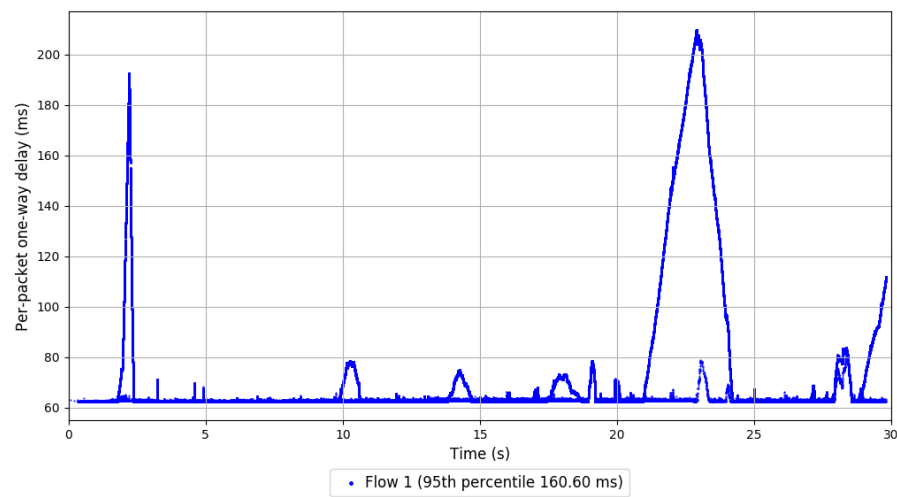
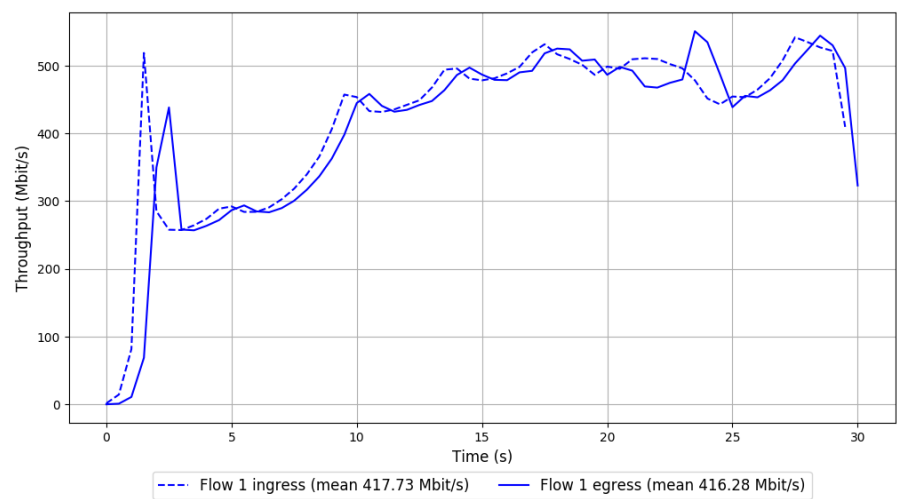
-- Flow 1:

Average throughput: 416.28 Mbit/s

95th percentile per-packet one-way delay: 160.602 ms

Loss rate: 0.76%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-26 01:49:17

End at: 2018-07-26 01:49:47

Local clock offset: -0.059 ms

Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-26 03:53:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.48 Mbit/s

95th percentile per-packet one-way delay: 159.998 ms

Loss rate: 1.02%

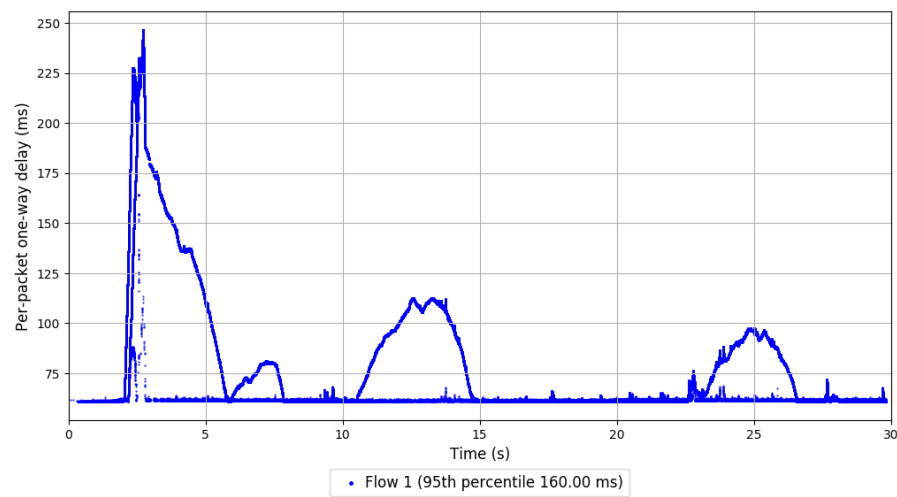
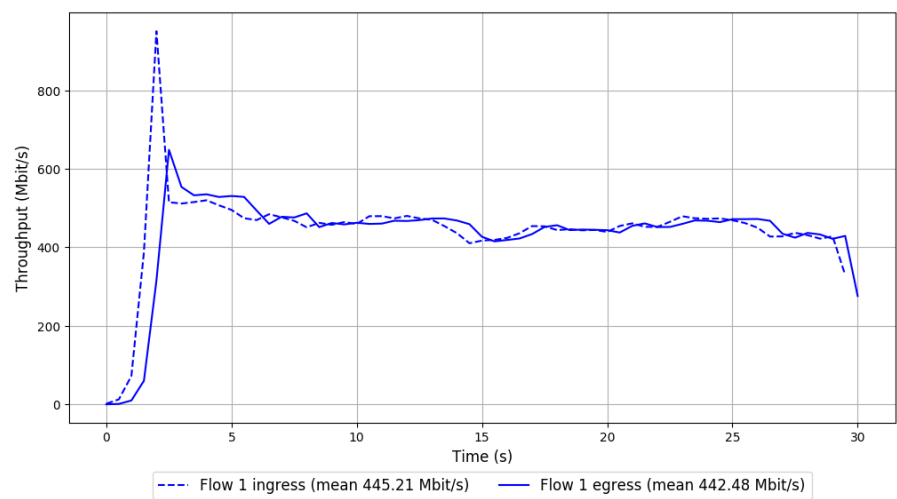
-- Flow 1:

Average throughput: 442.48 Mbit/s

95th percentile per-packet one-way delay: 159.998 ms

Loss rate: 1.02%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-26 02:11:27

End at: 2018-07-26 02:11:57

Local clock offset: -0.046 ms

Remote clock offset: 1.222 ms

Below is generated by plot.py at 2018-07-26 03:55:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 459.05 Mbit/s

95th percentile per-packet one-way delay: 207.191 ms

Loss rate: 1.30%

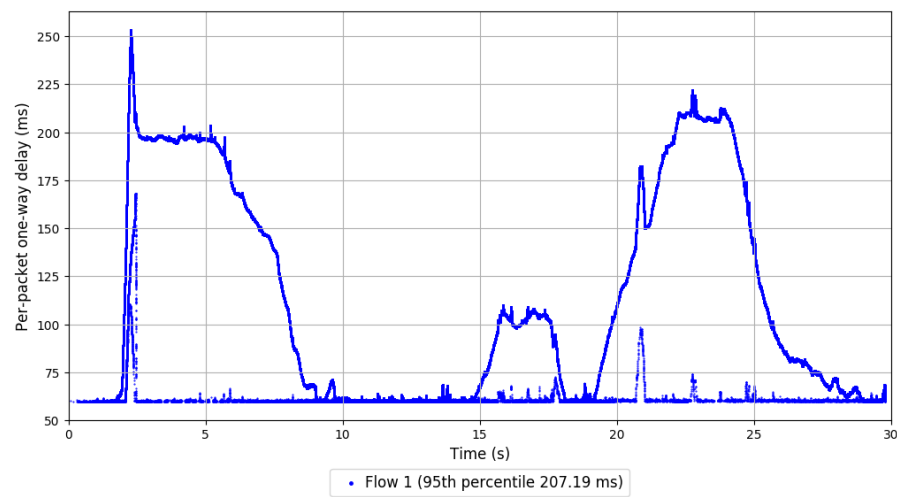
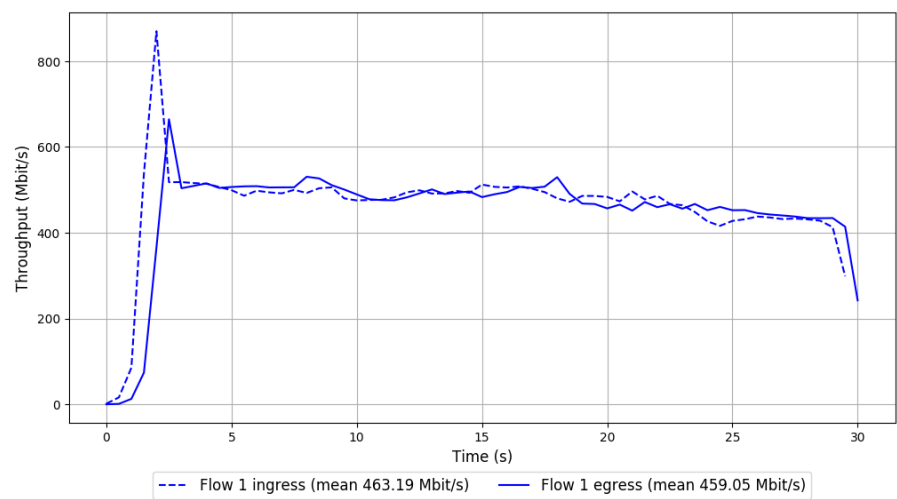
-- Flow 1:

Average throughput: 459.05 Mbit/s

95th percentile per-packet one-way delay: 207.191 ms

Loss rate: 1.30%

Run 10: Report of PCC-Allegro — Data Link

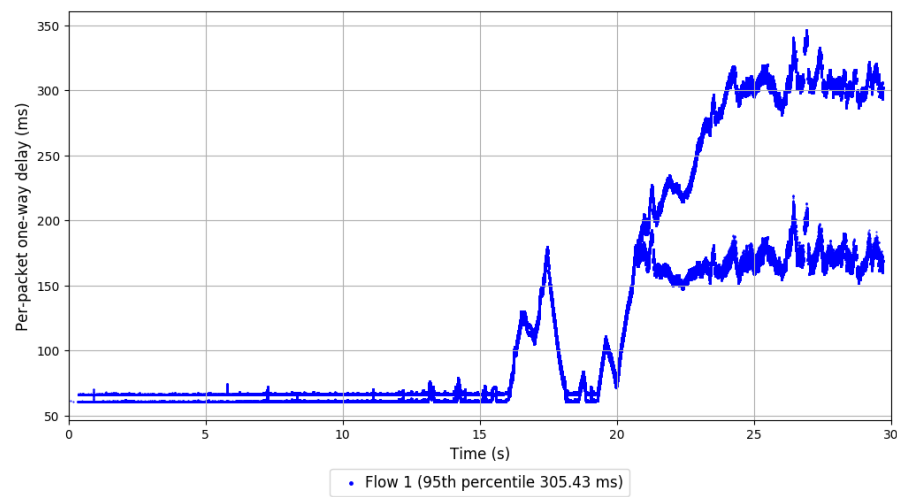
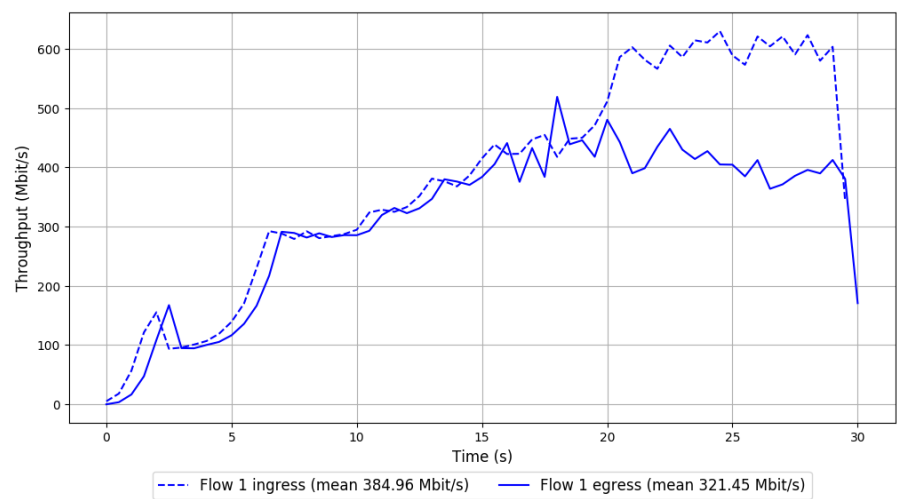


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-25 22:53:08
End at: 2018-07-25 22:53:38
Local clock offset: -0.138 ms
Remote clock offset: 0.33 ms

# Below is generated by plot.py at 2018-07-26 03:59:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.45 Mbit/s
95th percentile per-packet one-way delay: 305.427 ms
Loss rate: 16.86%
-- Flow 1:
Average throughput: 321.45 Mbit/s
95th percentile per-packet one-way delay: 305.427 ms
Loss rate: 16.86%
```


Run 1: Report of PCC-Expr — Data Link

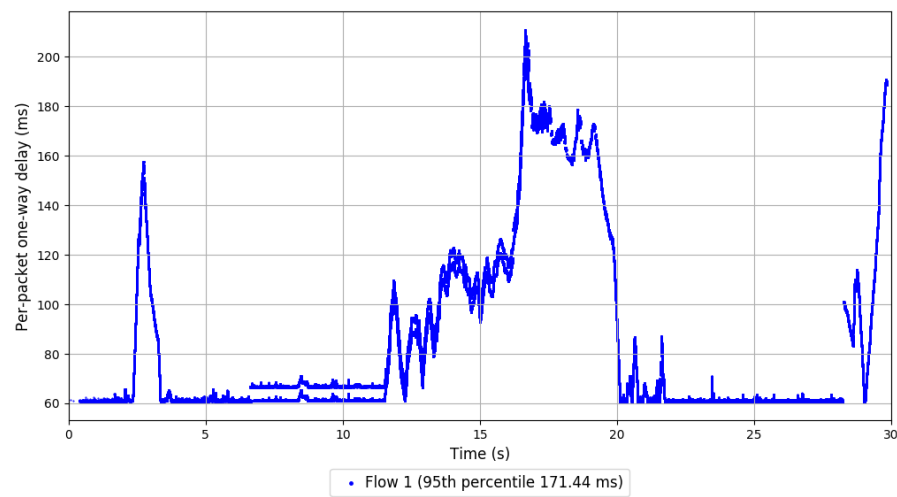
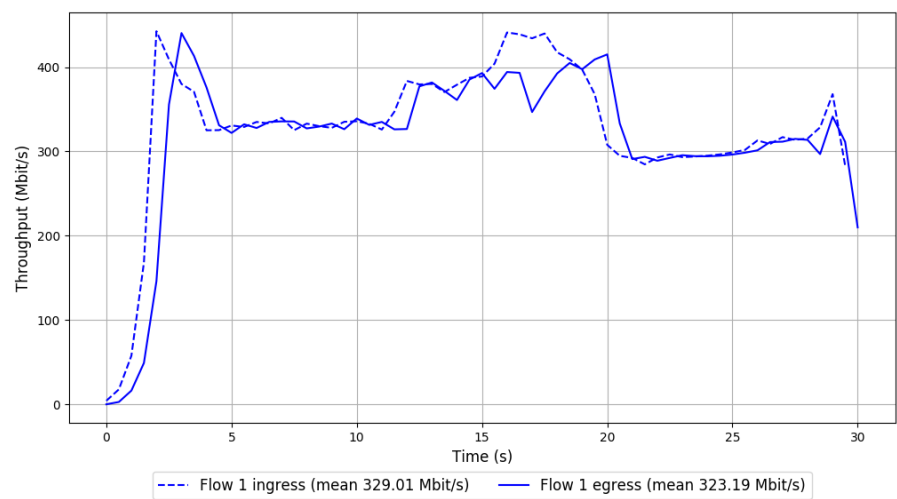


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 23:15:00
End at: 2018-07-25 23:15:30
Local clock offset: -0.143 ms
Remote clock offset: 0.299 ms

# Below is generated by plot.py at 2018-07-26 03:59:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 323.19 Mbit/s
95th percentile per-packet one-way delay: 171.442 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 323.19 Mbit/s
95th percentile per-packet one-way delay: 171.442 ms
Loss rate: 2.18%
```

Run 2: Report of PCC-Expr — Data Link

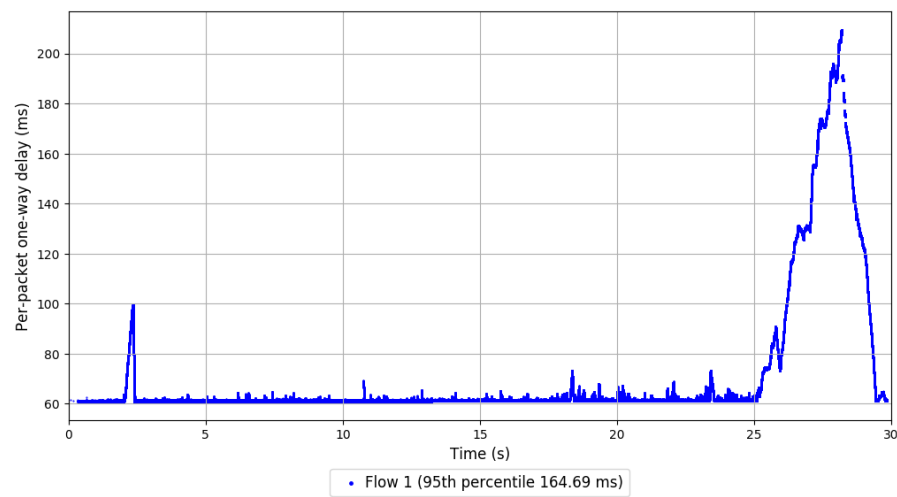
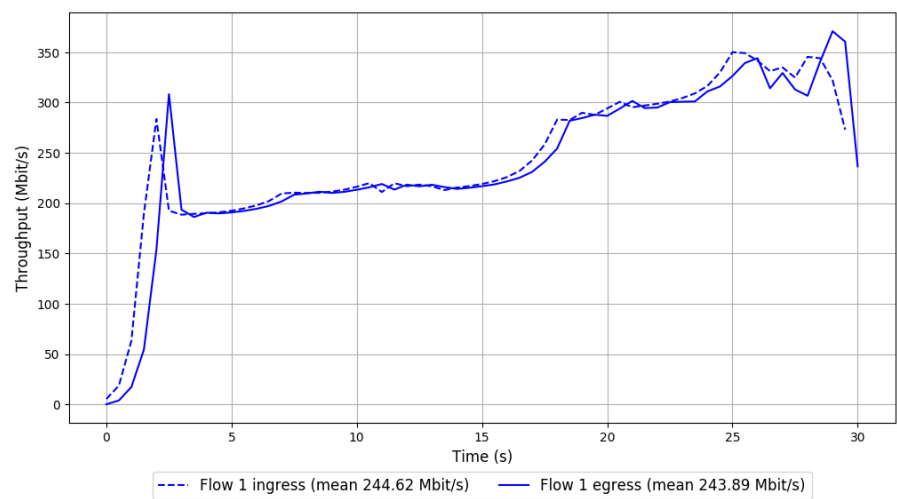


Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 23:37:03
End at: 2018-07-25 23:37:33
Local clock offset: -0.086 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-26 03:59:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.89 Mbit/s
95th percentile per-packet one-way delay: 164.693 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 243.89 Mbit/s
95th percentile per-packet one-way delay: 164.693 ms
Loss rate: 0.71%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 23:59:20

End at: 2018-07-25 23:59:50

Local clock offset: -0.134 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-07-26 03:59:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.14 Mbit/s

95th percentile per-packet one-way delay: 196.985 ms

Loss rate: 2.69%

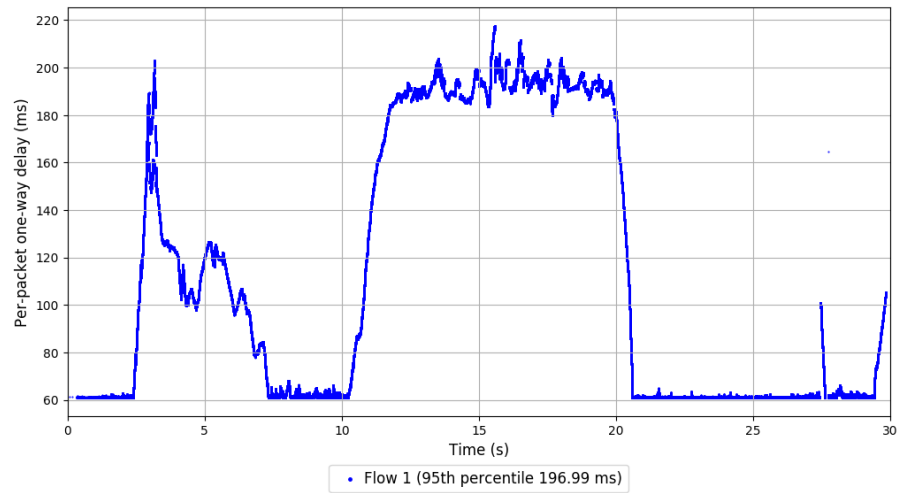
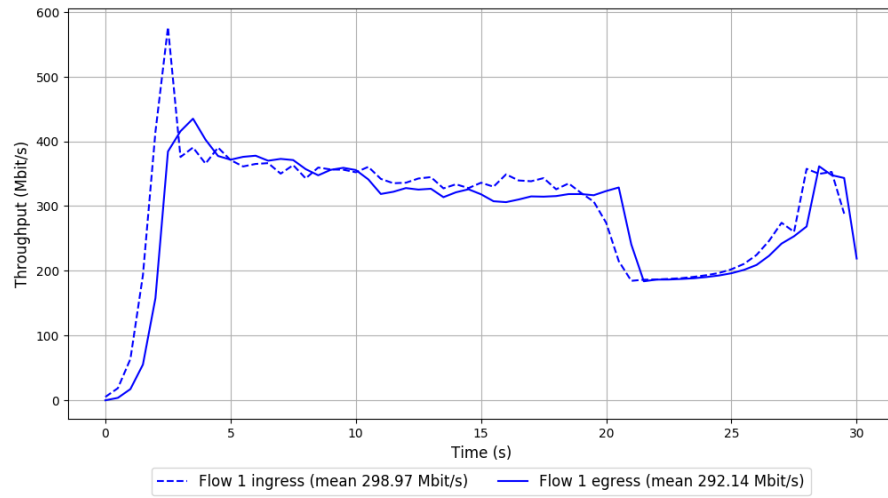
-- Flow 1:

Average throughput: 292.14 Mbit/s

95th percentile per-packet one-way delay: 196.985 ms

Loss rate: 2.69%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-26 00:21:26

End at: 2018-07-26 00:21:56

Local clock offset: -0.173 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-26 03:59:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.19 Mbit/s

95th percentile per-packet one-way delay: 201.548 ms

Loss rate: 3.83%

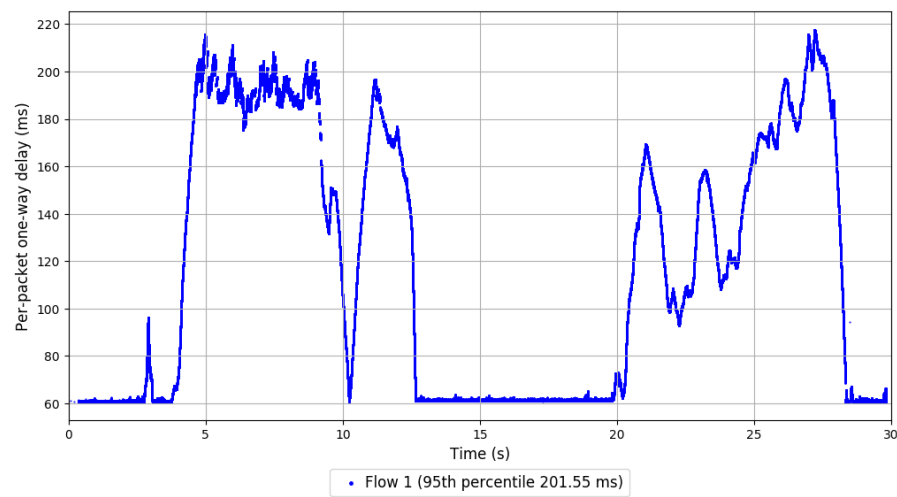
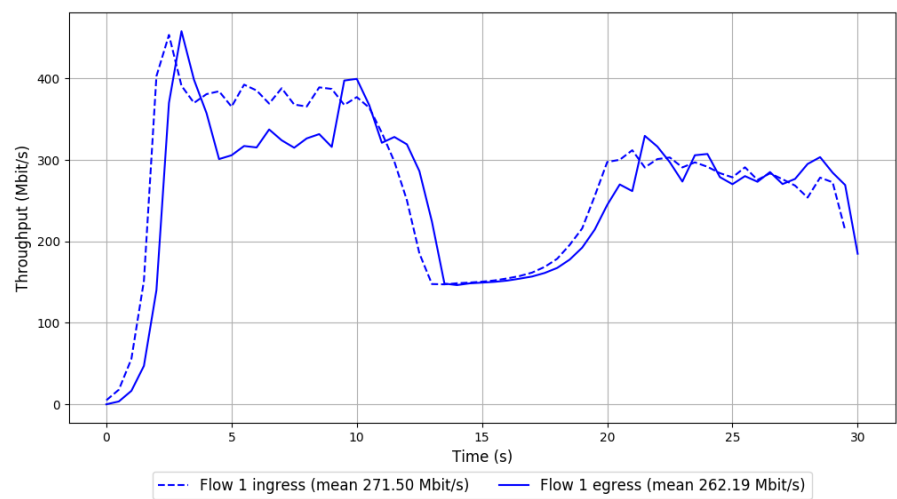
-- Flow 1:

Average throughput: 262.19 Mbit/s

95th percentile per-packet one-way delay: 201.548 ms

Loss rate: 3.83%

Run 5: Report of PCC-Expr — Data Link

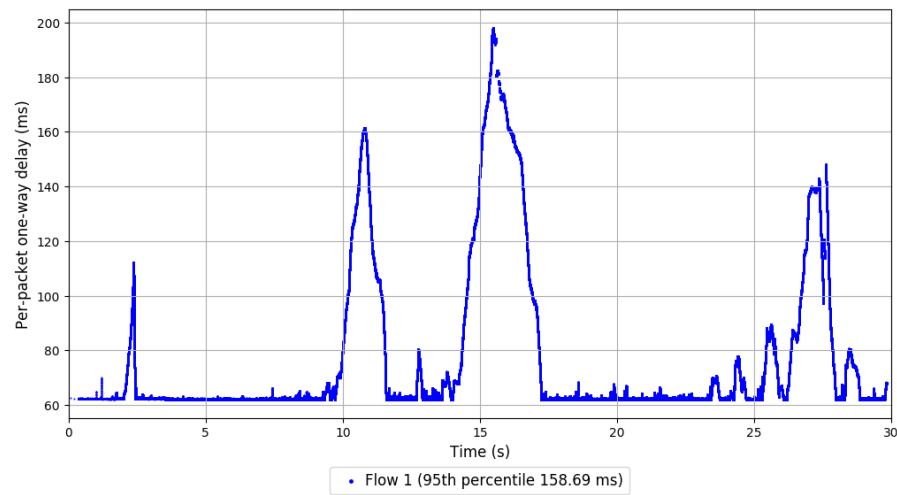
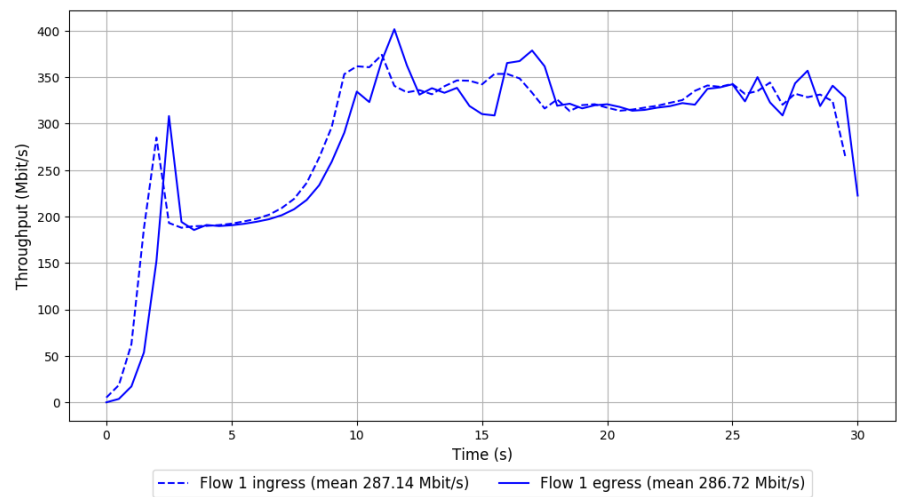


Run 6: Statistics of PCC-Expr

Start at: 2018-07-26 00:43:43
End at: 2018-07-26 00:44:13
Local clock offset: -0.046 ms
Remote clock offset: -1.241 ms

Below is generated by plot.py at 2018-07-26 03:59:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 286.72 Mbit/s
95th percentile per-packet one-way delay: 158.691 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 286.72 Mbit/s
95th percentile per-packet one-way delay: 158.691 ms
Loss rate: 0.56%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-26 01:06:07

End at: 2018-07-26 01:06:37

Local clock offset: -0.045 ms

Remote clock offset: 1.35 ms

Below is generated by plot.py at 2018-07-26 04:04:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.15 Mbit/s

95th percentile per-packet one-way delay: 190.250 ms

Loss rate: 1.09%

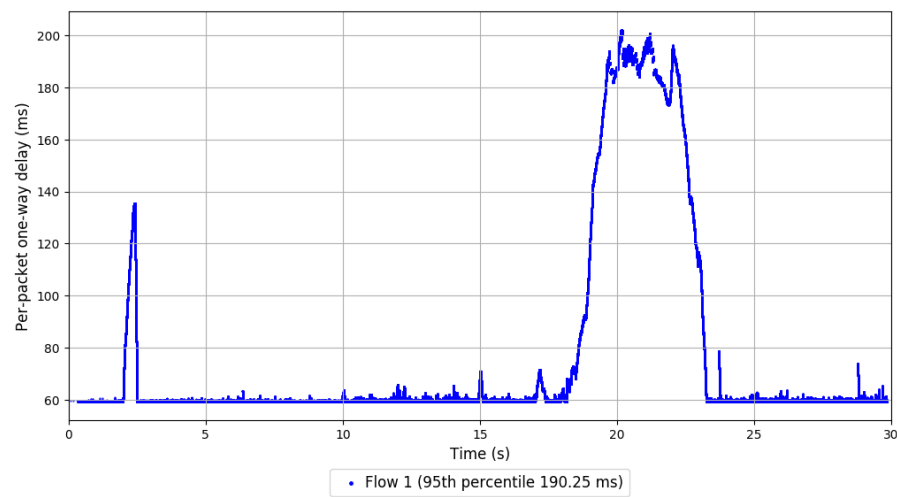
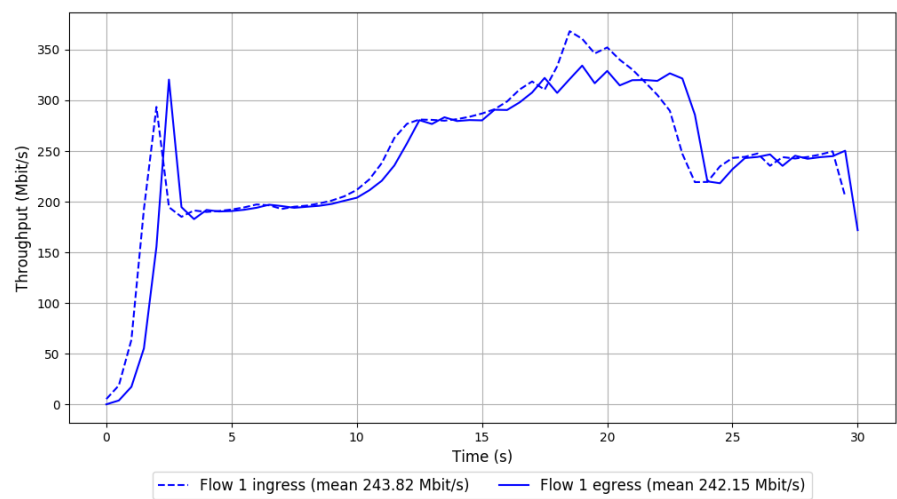
-- Flow 1:

Average throughput: 242.15 Mbit/s

95th percentile per-packet one-way delay: 190.250 ms

Loss rate: 1.09%

Run 7: Report of PCC-Expr — Data Link

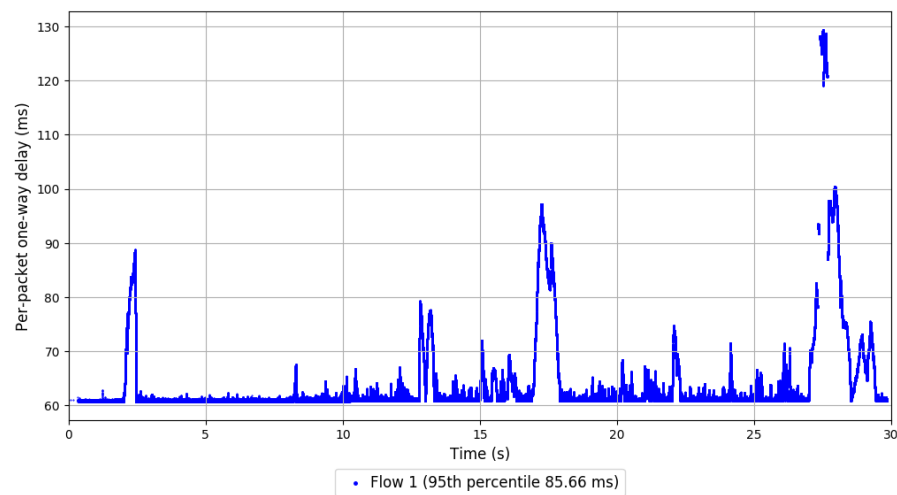
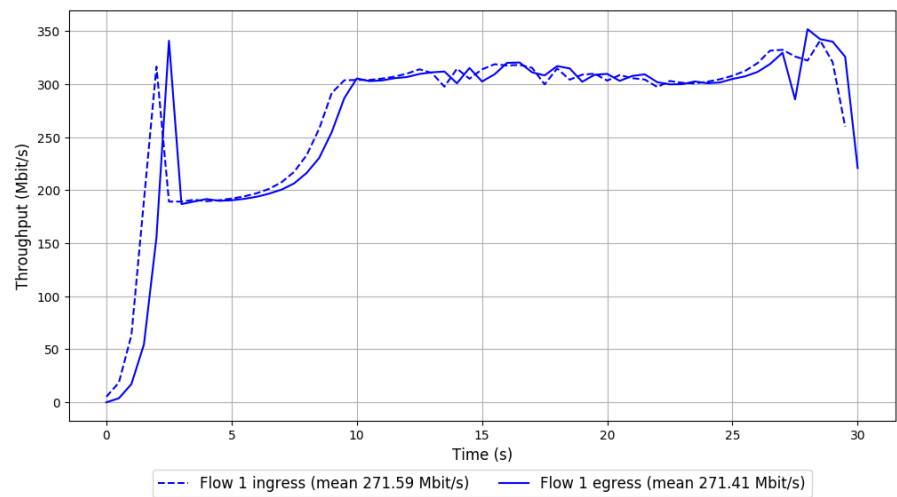


Run 8: Statistics of PCC-Expr

Start at: 2018-07-26 01:28:24
End at: 2018-07-26 01:28:55
Local clock offset: -0.043 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-26 04:06:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.41 Mbit/s
95th percentile per-packet one-way delay: 85.656 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 271.41 Mbit/s
95th percentile per-packet one-way delay: 85.656 ms
Loss rate: 0.48%

Run 8: Report of PCC-Expr — Data Link

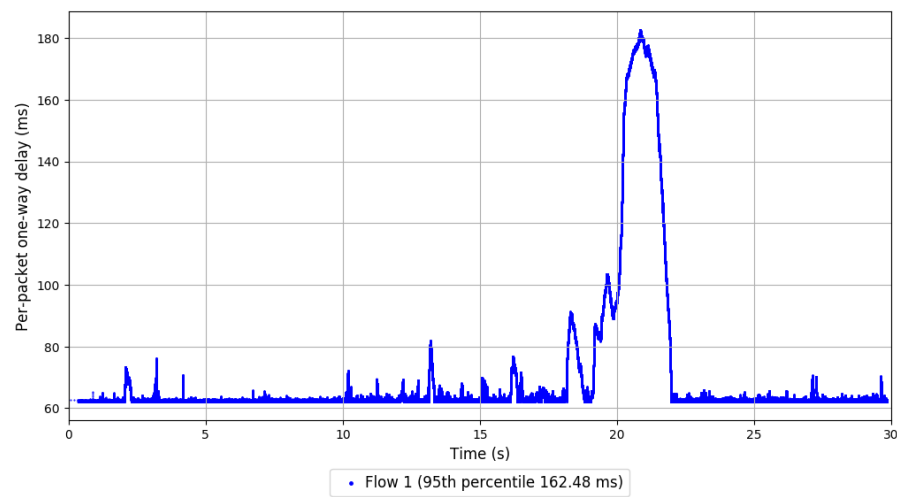
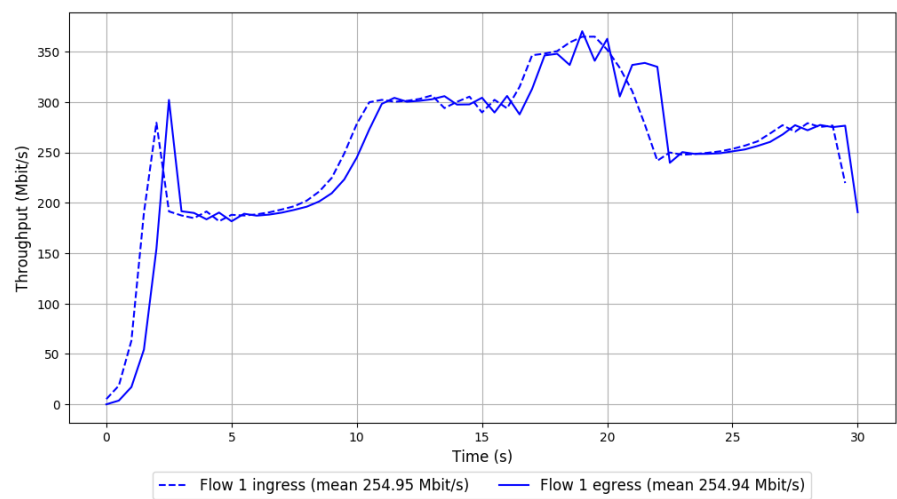


Run 9: Statistics of PCC-Expr

Start at: 2018-07-26 01:50:38
End at: 2018-07-26 01:51:08
Local clock offset: -0.05 ms
Remote clock offset: -1.433 ms

Below is generated by plot.py at 2018-07-26 04:06:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.94 Mbit/s
95th percentile per-packet one-way delay: 162.481 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 254.94 Mbit/s
95th percentile per-packet one-way delay: 162.481 ms
Loss rate: 0.42%

Run 9: Report of PCC-Expr — Data Link

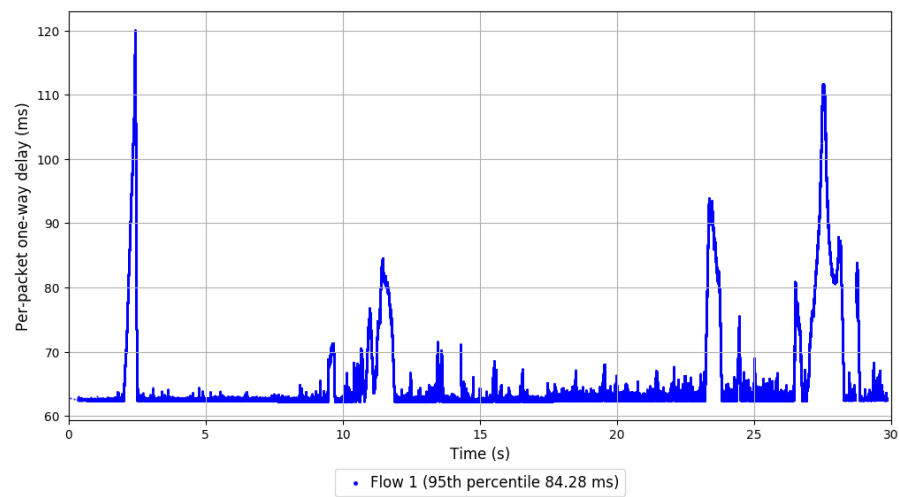
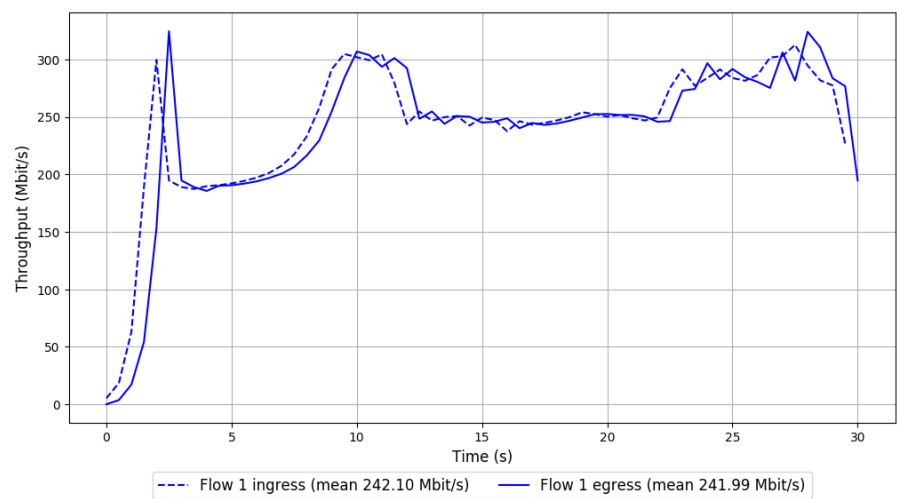


Run 10: Statistics of PCC-Expr

Start at: 2018-07-26 02:12:49
End at: 2018-07-26 02:13:19
Local clock offset: -0.03 ms
Remote clock offset: -1.479 ms

Below is generated by plot.py at 2018-07-26 04:07:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.99 Mbit/s
95th percentile per-packet one-way delay: 84.278 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 241.99 Mbit/s
95th percentile per-packet one-way delay: 84.278 ms
Loss rate: 0.46%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

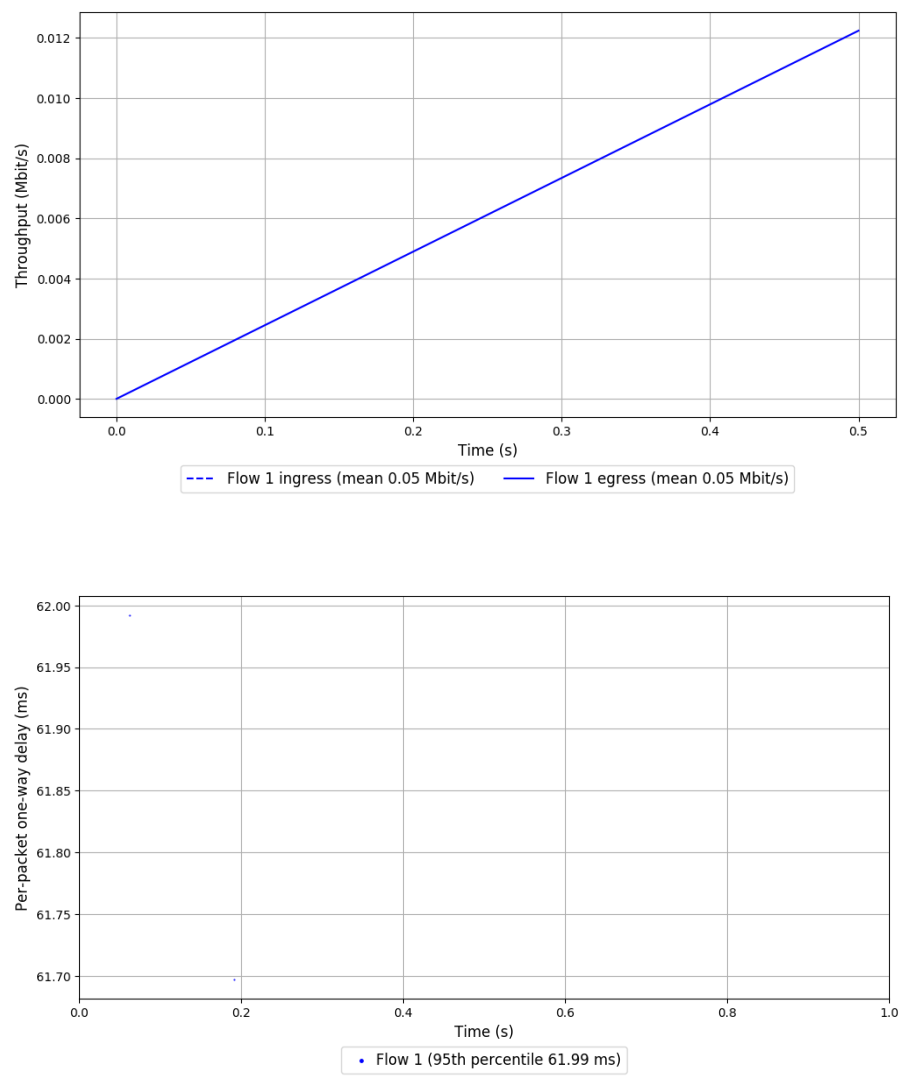
Start at: 2018-07-25 22:54:36

End at: 2018-07-25 22:55:07

Local clock offset: -0.184 ms

Remote clock offset: -0.238 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-25 23:16:31

End at: 2018-07-25 23:17:01

Local clock offset: -0.101 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 61.097 ms

Loss rate: 0.62%

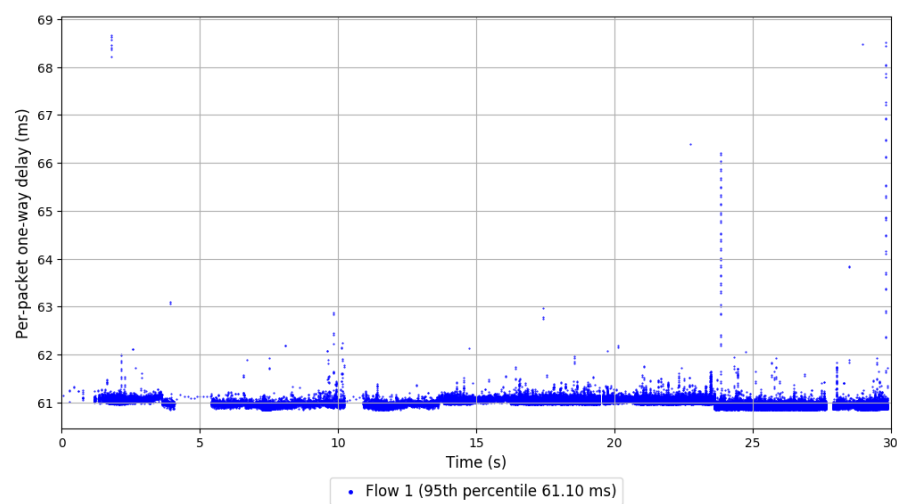
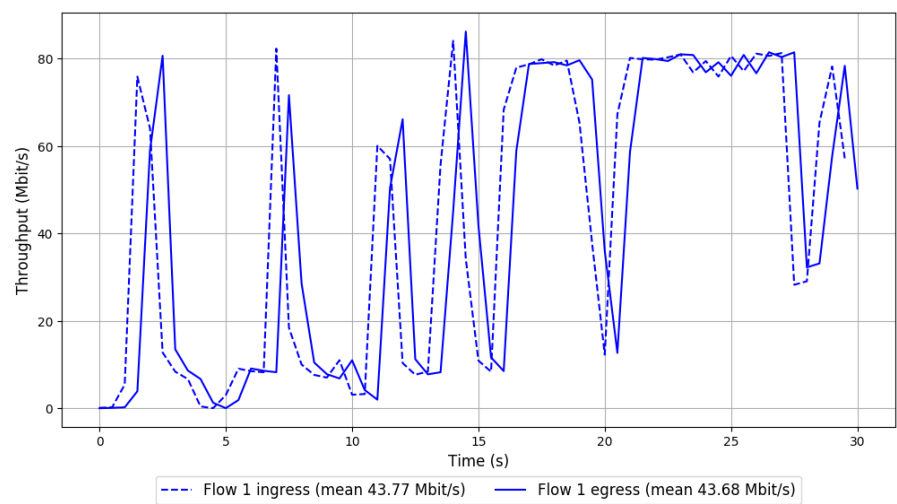
-- Flow 1:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 61.097 ms

Loss rate: 0.62%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 23:38:32

End at: 2018-07-25 23:39:02

Local clock offset: -0.108 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.93 Mbit/s

95th percentile per-packet one-way delay: 61.079 ms

Loss rate: 0.62%

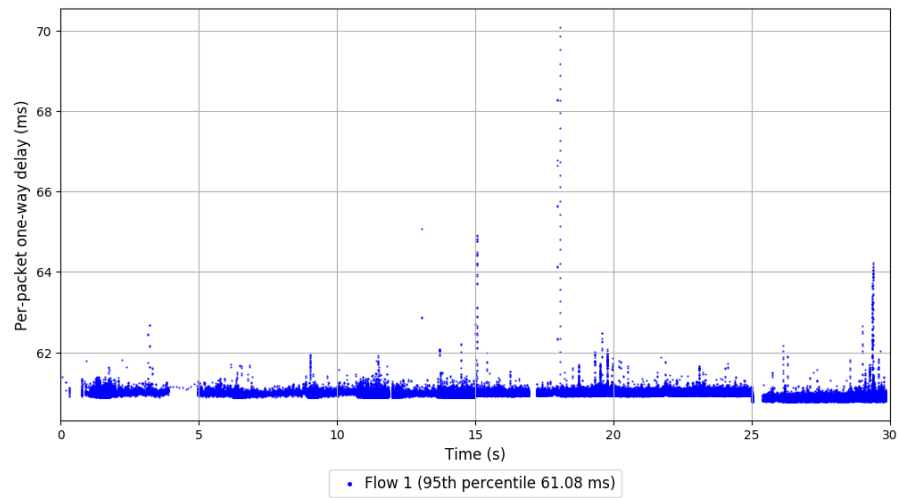
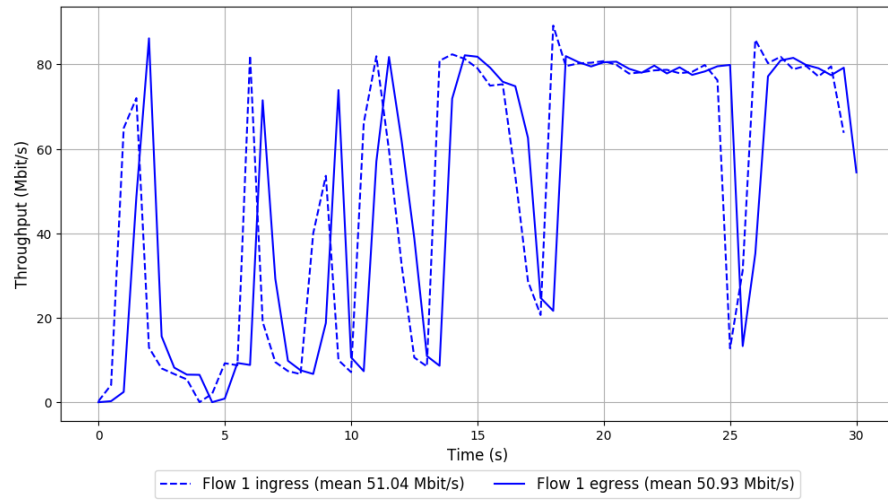
-- Flow 1:

Average throughput: 50.93 Mbit/s

95th percentile per-packet one-way delay: 61.079 ms

Loss rate: 0.62%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-26 00:00:53

End at: 2018-07-26 00:01:23

Local clock offset: -0.075 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.66 Mbit/s

95th percentile per-packet one-way delay: 61.329 ms

Loss rate: 0.65%

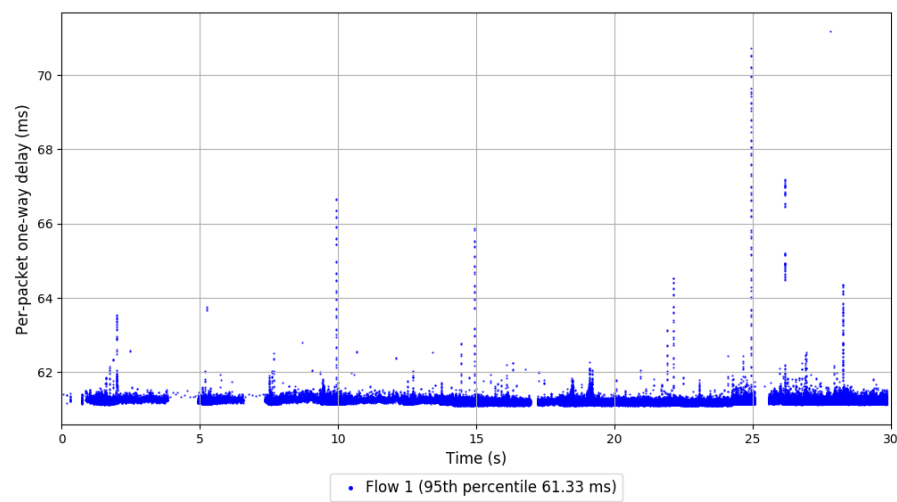
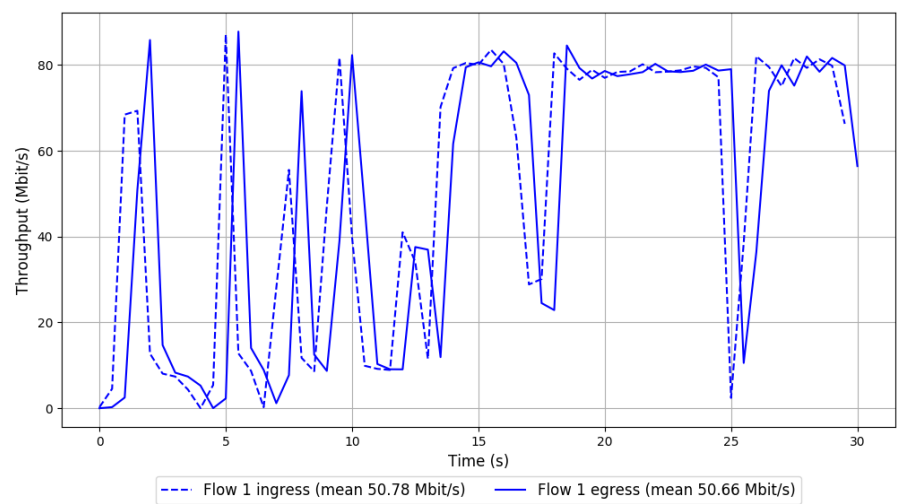
-- Flow 1:

Average throughput: 50.66 Mbit/s

95th percentile per-packet one-way delay: 61.329 ms

Loss rate: 0.65%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-26 00:22:56

End at: 2018-07-26 00:23:26

Local clock offset: -0.116 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.69 Mbit/s

95th percentile per-packet one-way delay: 61.191 ms

Loss rate: 0.61%

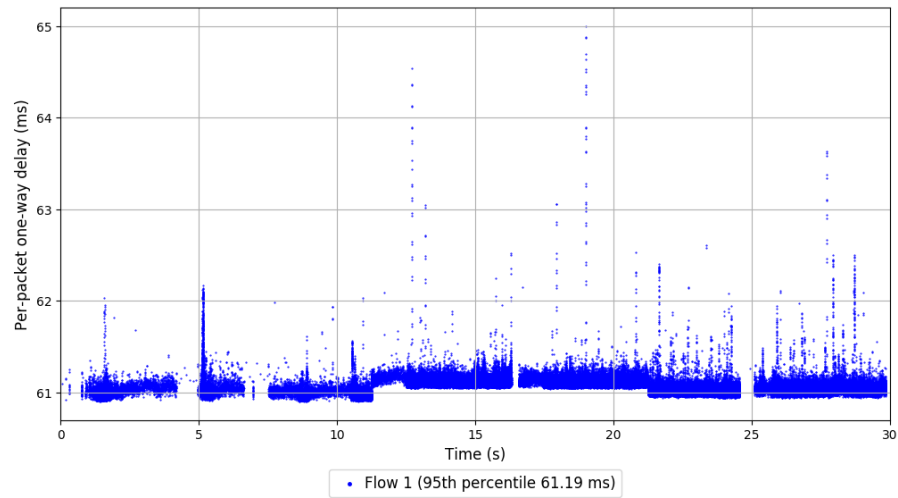
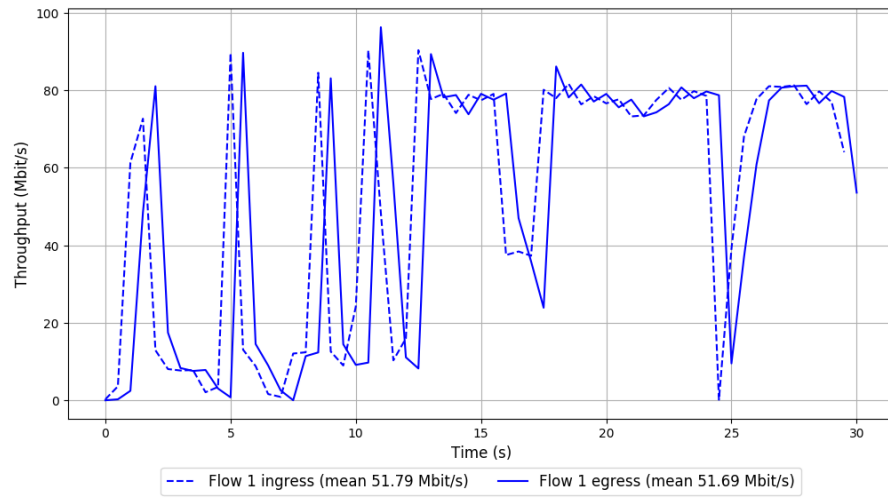
-- Flow 1:

Average throughput: 51.69 Mbit/s

95th percentile per-packet one-way delay: 61.191 ms

Loss rate: 0.61%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-26 00:45:16

End at: 2018-07-26 00:45:46

Local clock offset: -0.031 ms

Remote clock offset: 1.167 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.90 Mbit/s

95th percentile per-packet one-way delay: 60.119 ms

Loss rate: 0.65%

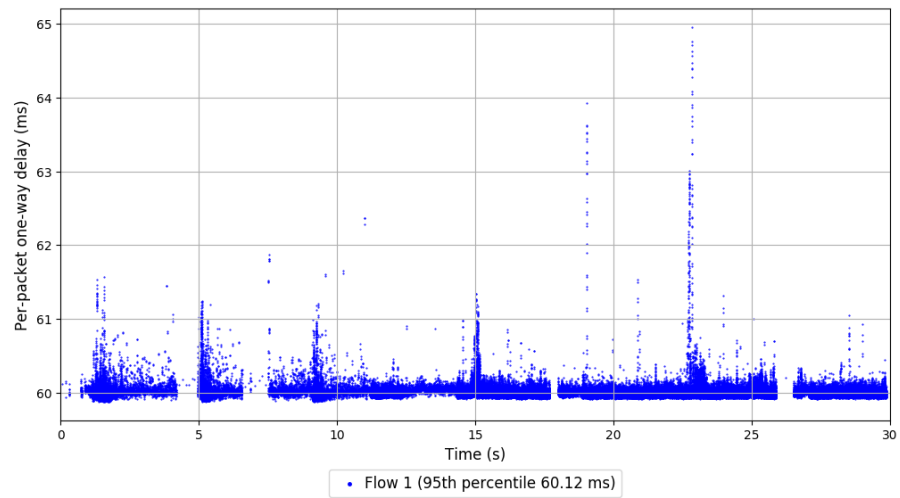
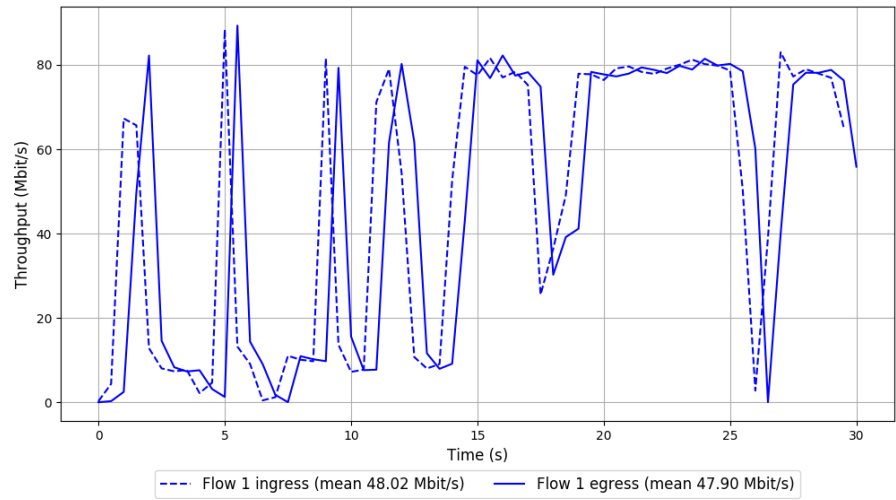
-- Flow 1:

Average throughput: 47.90 Mbit/s

95th percentile per-packet one-way delay: 60.119 ms

Loss rate: 0.65%

Run 6: Report of QUIC Cubic — Data Link

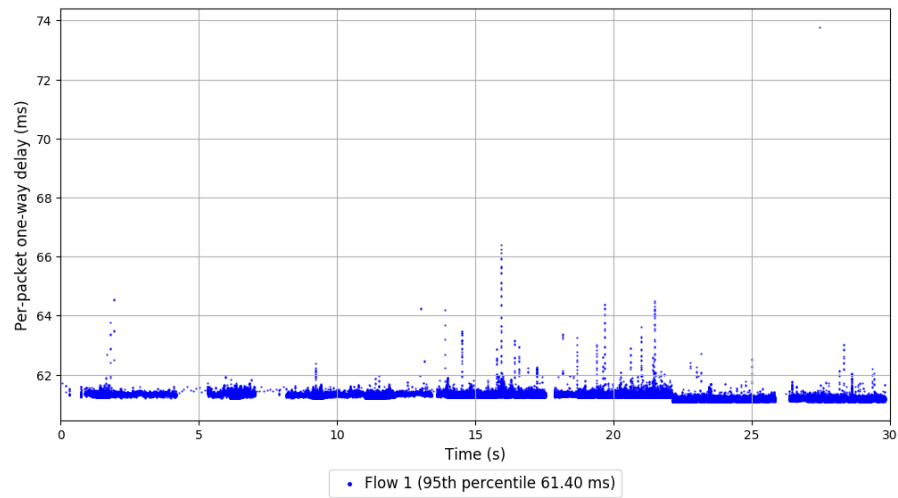
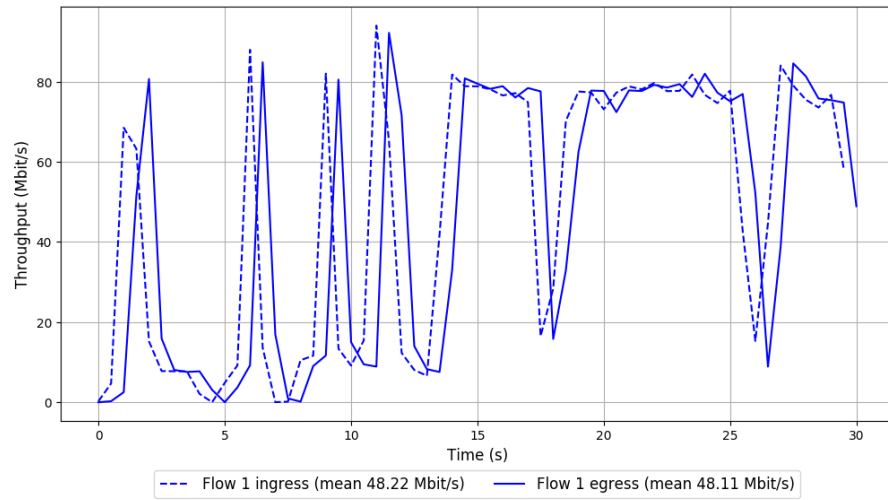


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-26 01:07:35
End at: 2018-07-26 01:08:05
Local clock offset: -0.096 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-07-26 04:07:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.11 Mbit/s
95th percentile per-packet one-way delay: 61.397 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 48.11 Mbit/s
95th percentile per-packet one-way delay: 61.397 ms
Loss rate: 0.65%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-26 01:29:55

End at: 2018-07-26 01:30:25

Local clock offset: -0.032 ms

Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.65 Mbit/s

95th percentile per-packet one-way delay: 61.582 ms

Loss rate: 0.69%

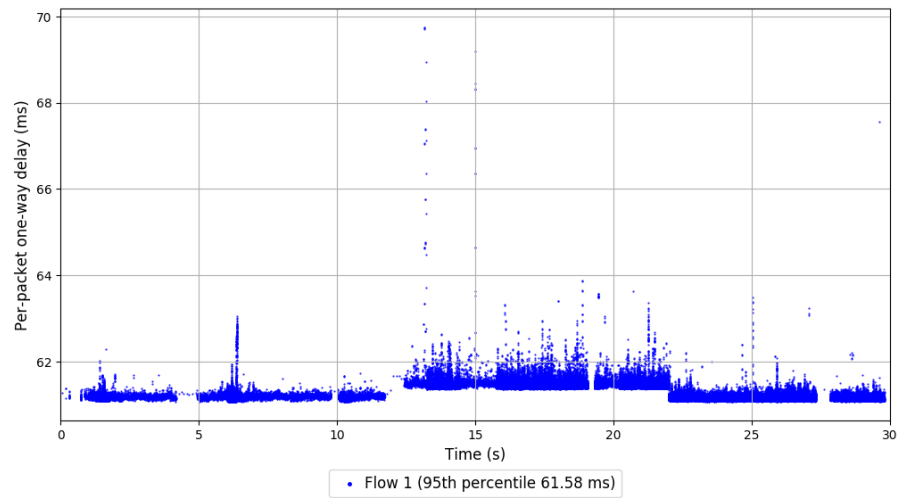
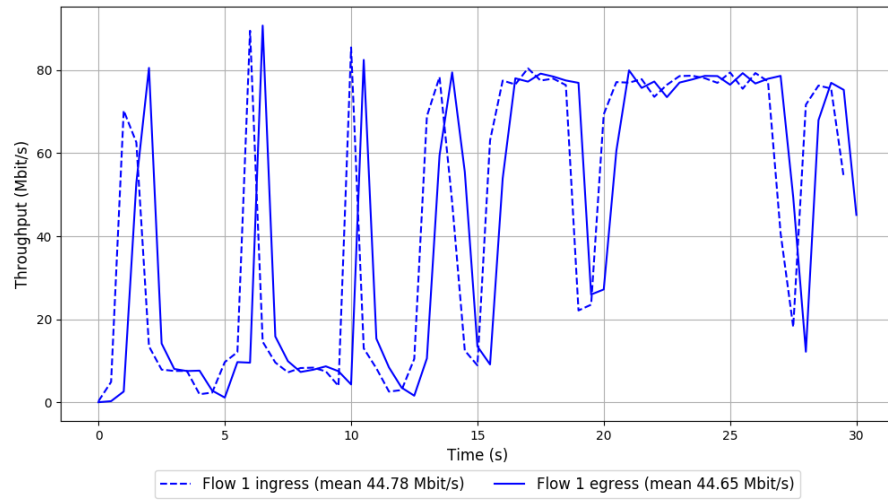
-- Flow 1:

Average throughput: 44.65 Mbit/s

95th percentile per-packet one-way delay: 61.582 ms

Loss rate: 0.69%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-26 01:52:08

End at: 2018-07-26 01:52:38

Local clock offset: -0.103 ms

Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.06 Mbit/s

95th percentile per-packet one-way delay: 61.626 ms

Loss rate: 0.67%

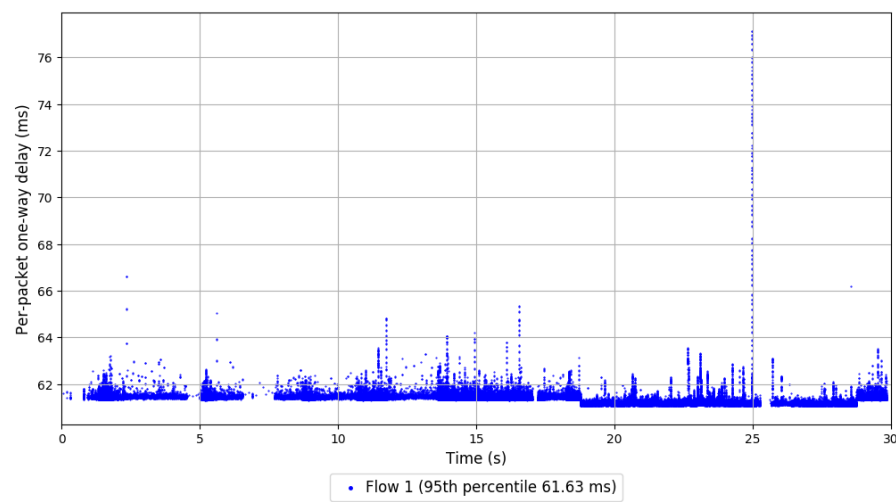
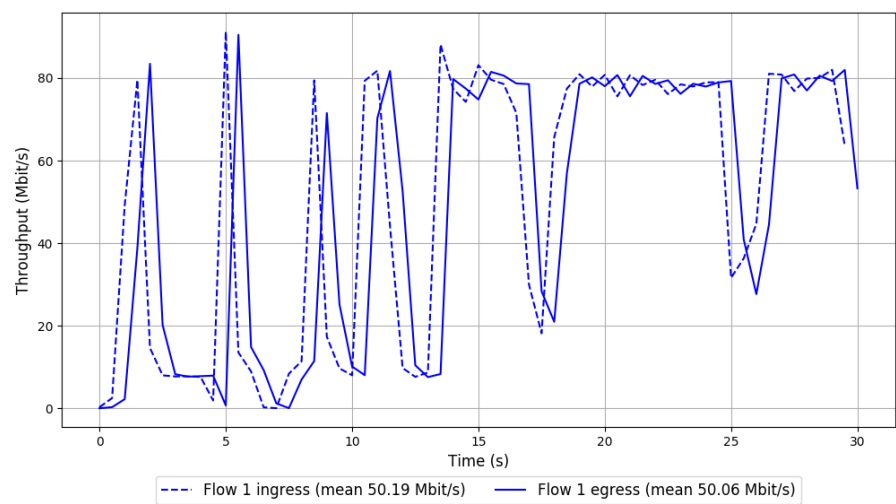
-- Flow 1:

Average throughput: 50.06 Mbit/s

95th percentile per-packet one-way delay: 61.626 ms

Loss rate: 0.67%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-26 02:14:17

End at: 2018-07-26 02:14:47

Local clock offset: -0.02 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.60 Mbit/s

95th percentile per-packet one-way delay: 61.218 ms

Loss rate: 0.61%

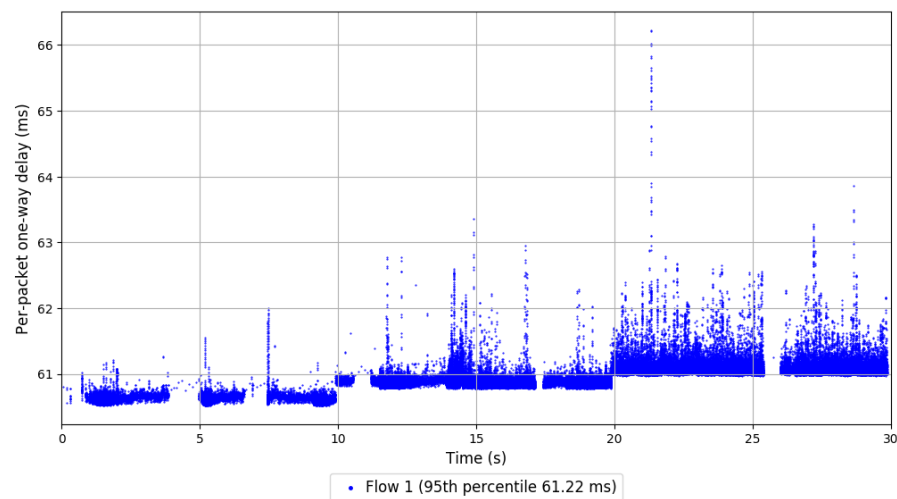
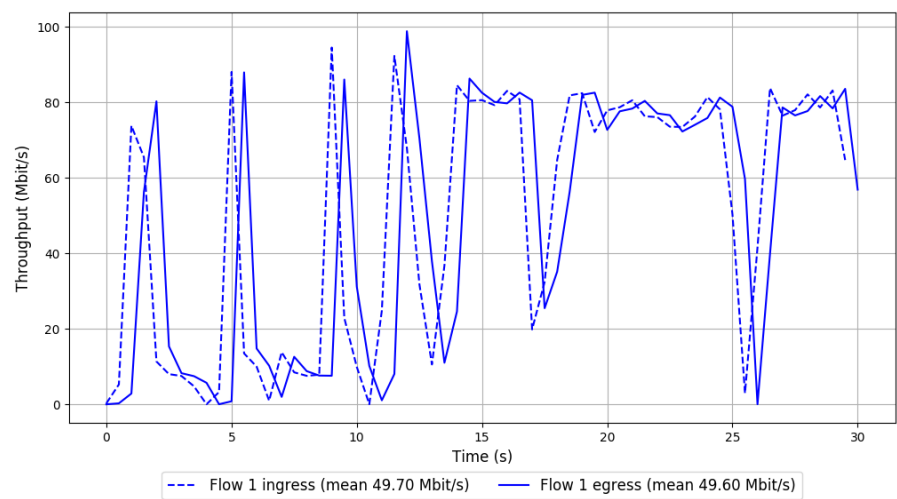
-- Flow 1:

Average throughput: 49.60 Mbit/s

95th percentile per-packet one-way delay: 61.218 ms

Loss rate: 0.61%

Run 10: Report of QUIC Cubic — Data Link

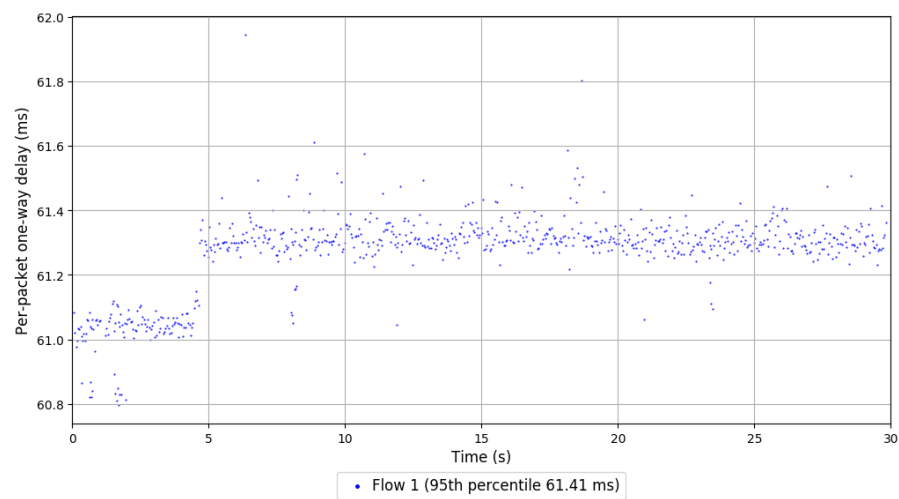
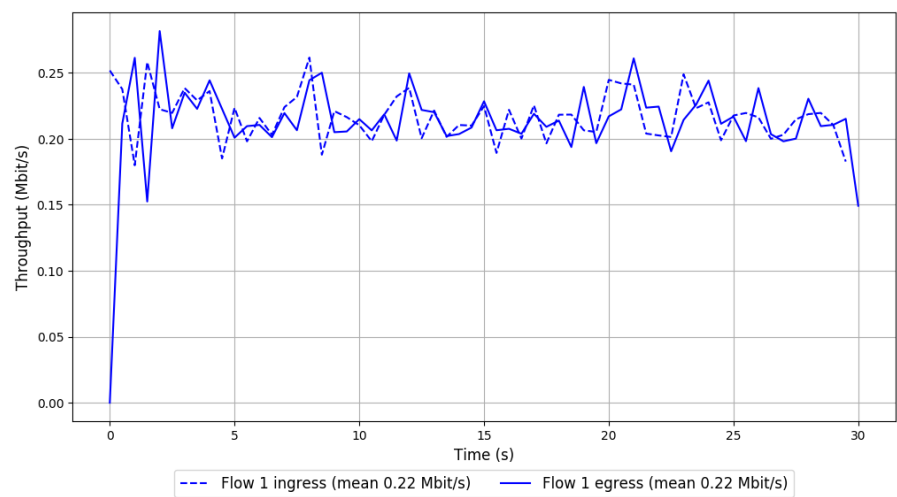


Run 1: Statistics of SCReAM

Start at: 2018-07-25 22:55:42
End at: 2018-07-25 22:56:12
Local clock offset: -0.13 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-26 04:07:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.405 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.405 ms
Loss rate: 0.51%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-25 23:17:39

End at: 2018-07-25 23:18:09

Local clock offset: -0.149 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.422 ms

Loss rate: 0.51%

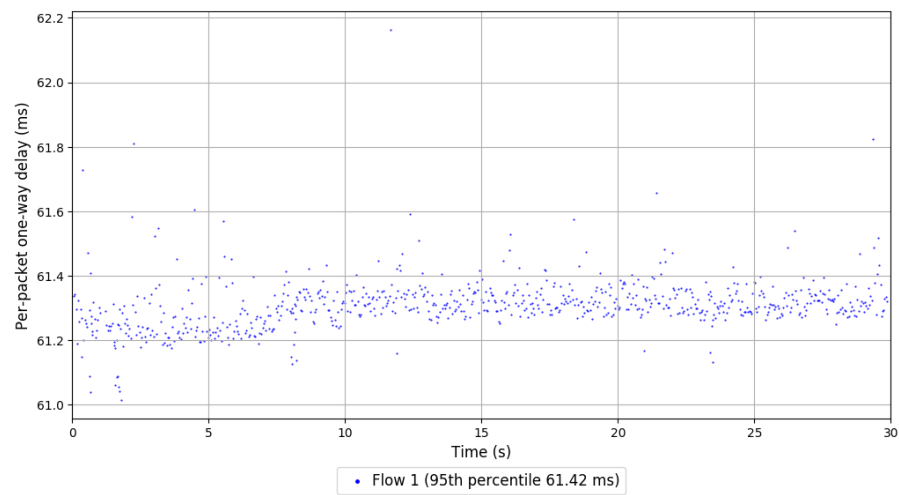
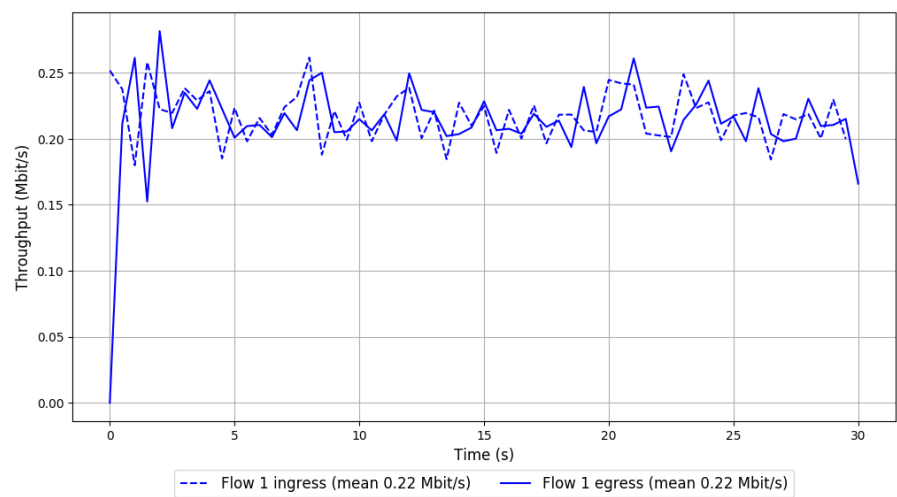
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.422 ms

Loss rate: 0.51%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-25 23:39:40

End at: 2018-07-25 23:40:10

Local clock offset: -0.098 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.218 ms

Loss rate: 0.38%

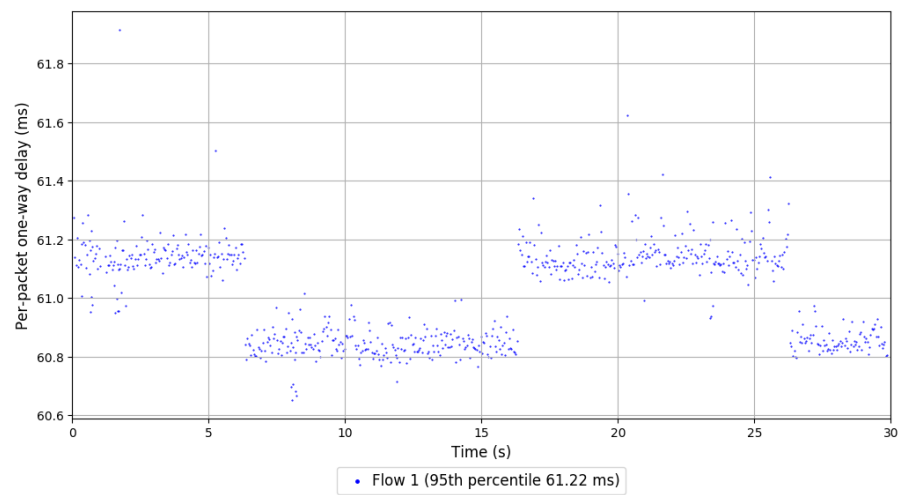
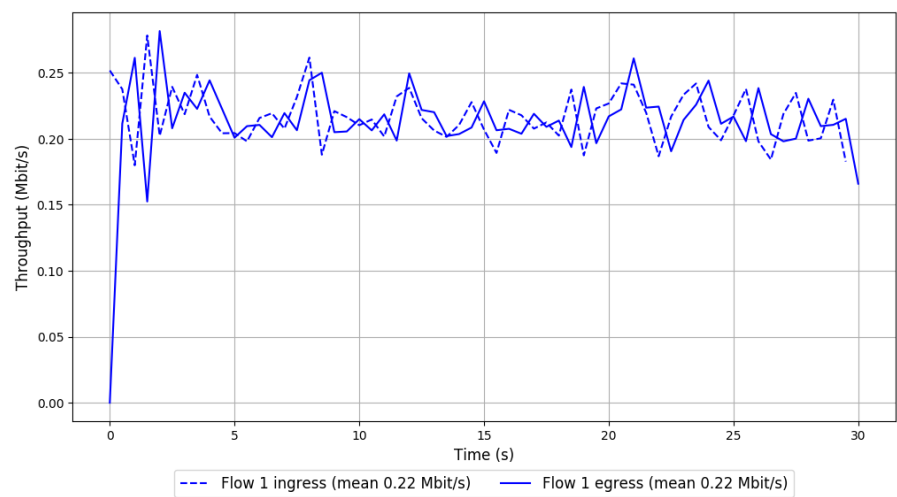
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.218 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link

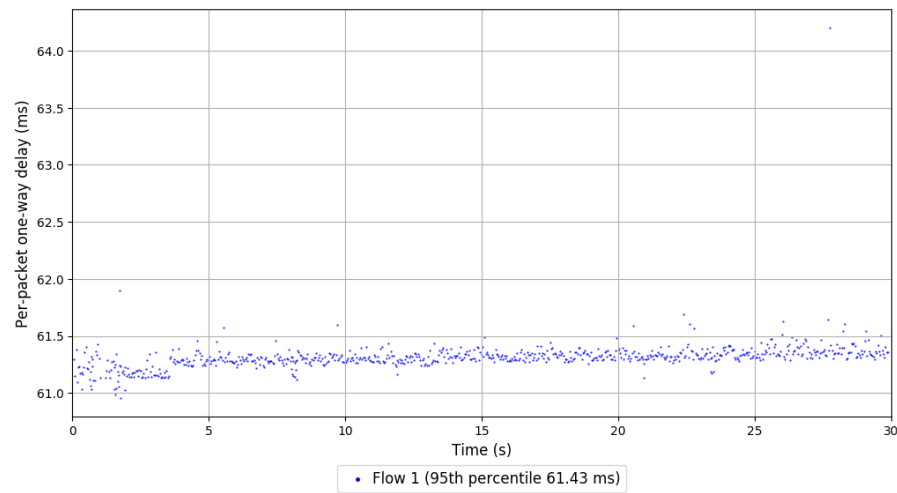
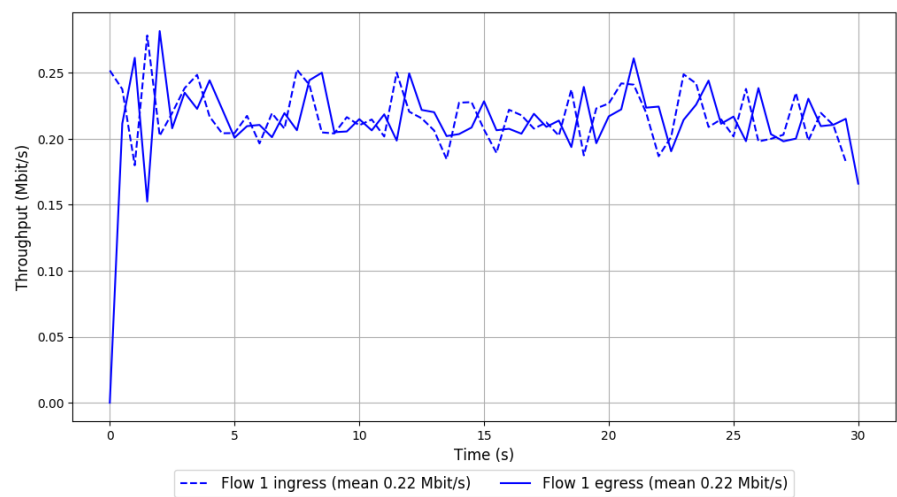


Run 4: Statistics of SCReAM

Start at: 2018-07-26 00:02:01
End at: 2018-07-26 00:02:31
Local clock offset: -0.166 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-26 04:07:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.426 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.426 ms
Loss rate: 0.38%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-26 00:24:04

End at: 2018-07-26 00:24:34

Local clock offset: -0.123 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.290 ms

Loss rate: 0.38%

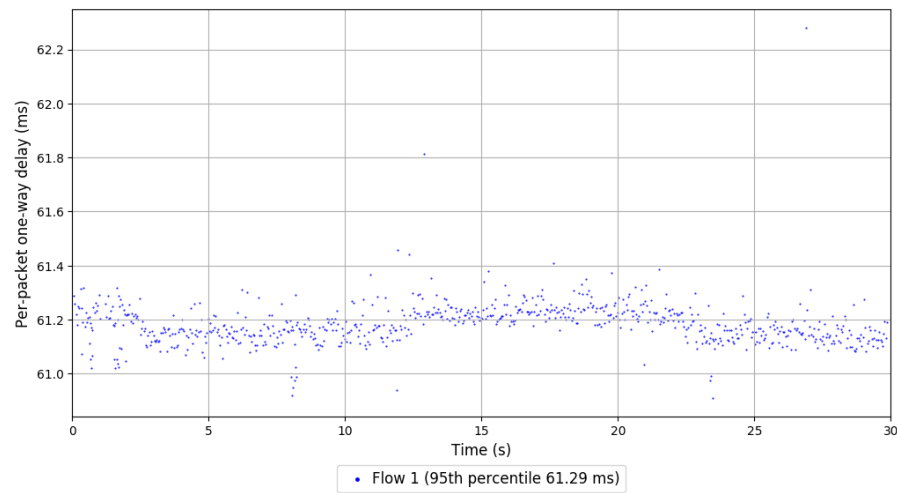
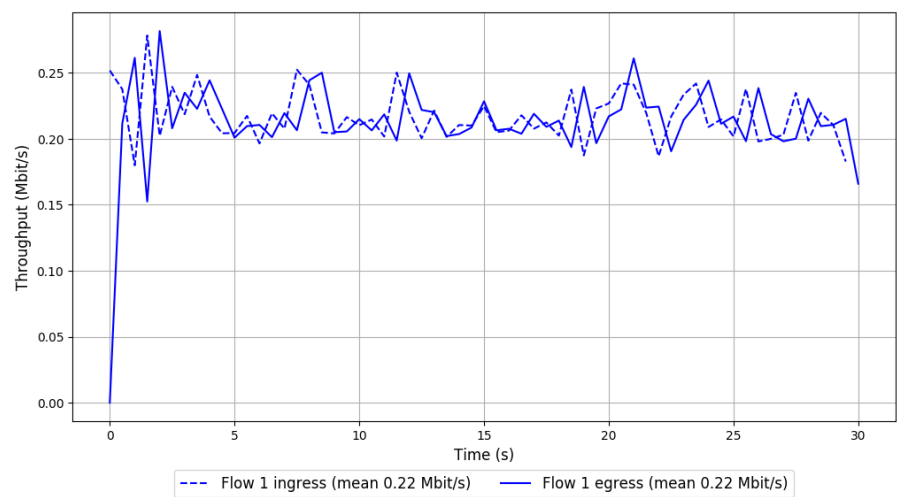
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.290 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-26 00:46:24

End at: 2018-07-26 00:46:54

Local clock offset: -0.071 ms

Remote clock offset: 1.113 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.403 ms

Loss rate: 0.38%

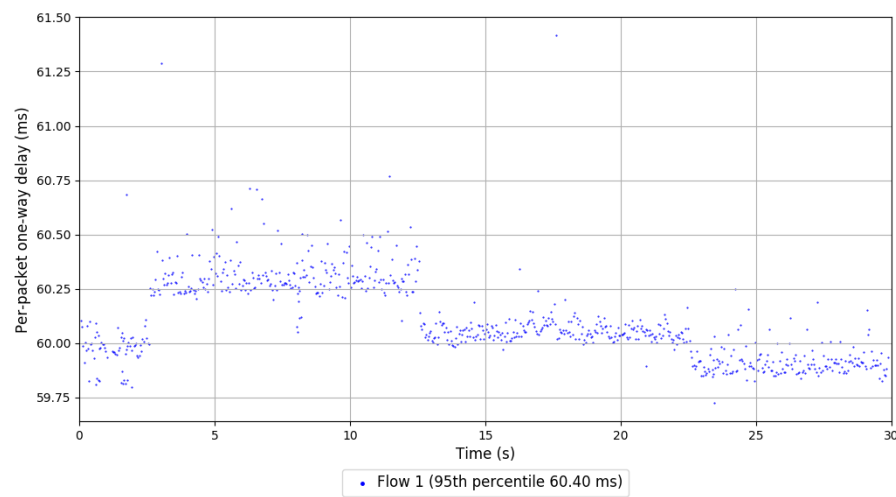
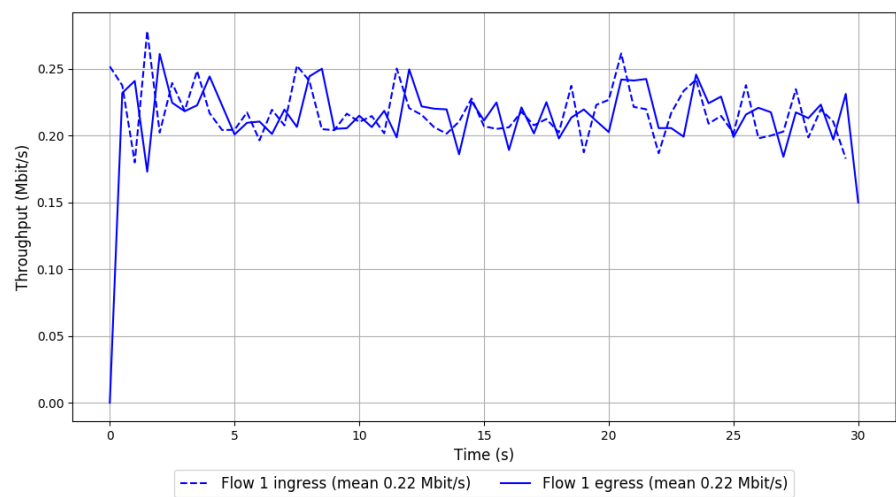
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.403 ms

Loss rate: 0.38%

Run 6: Report of SReAM — Data Link

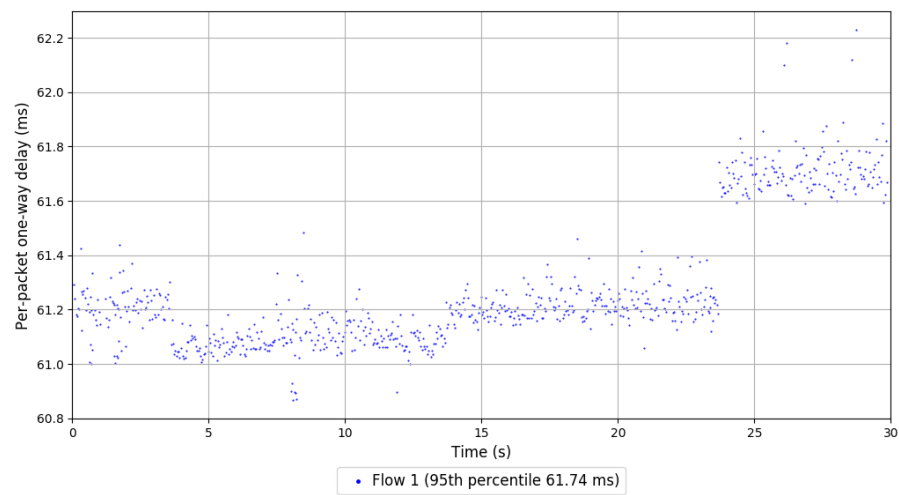
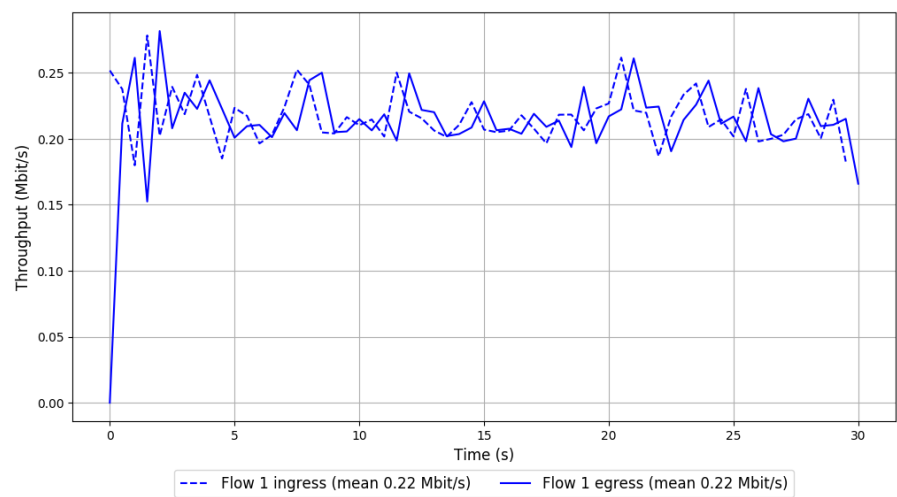


Run 7: Statistics of SCReAM

Start at: 2018-07-26 01:08:43
End at: 2018-07-26 01:09:13
Local clock offset: -0.087 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-07-26 04:07:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.742 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.742 ms
Loss rate: 0.38%

Run 7: Report of SReAM — Data Link

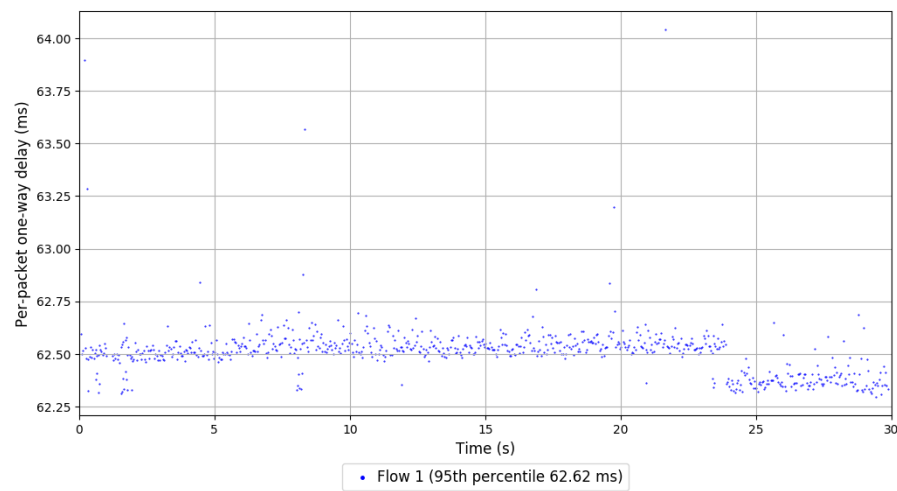
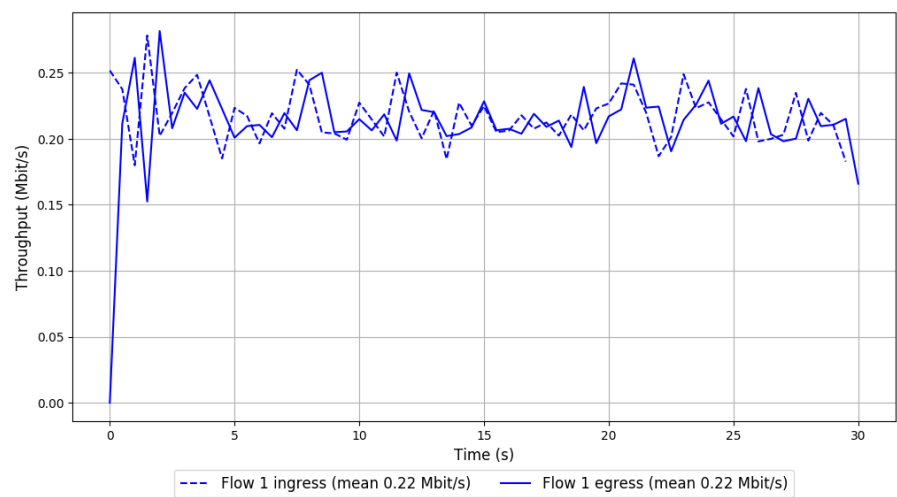


Run 8: Statistics of SCReAM

Start at: 2018-07-26 01:31:03
End at: 2018-07-26 01:31:33
Local clock offset: -0.029 ms
Remote clock offset: -1.404 ms

Below is generated by plot.py at 2018-07-26 04:07:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.625 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.625 ms
Loss rate: 0.38%

Run 8: Report of SReAM — Data Link

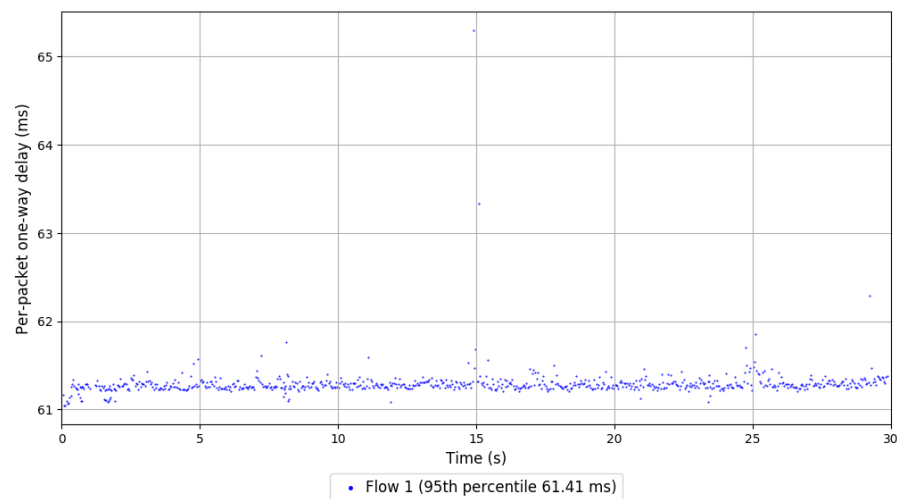
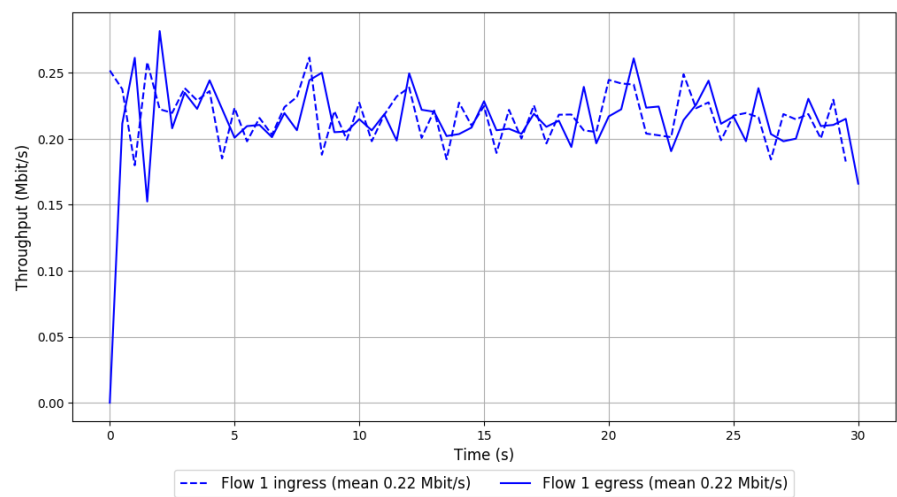


Run 9: Statistics of SCReAM

Start at: 2018-07-26 01:53:17
End at: 2018-07-26 01:53:47
Local clock offset: -0.075 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-26 04:07:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.411 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.411 ms
Loss rate: 0.38%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-26 02:15:26

End at: 2018-07-26 02:15:56

Local clock offset: -0.006 ms

Remote clock offset: 1.241 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.071 ms

Loss rate: 0.38%

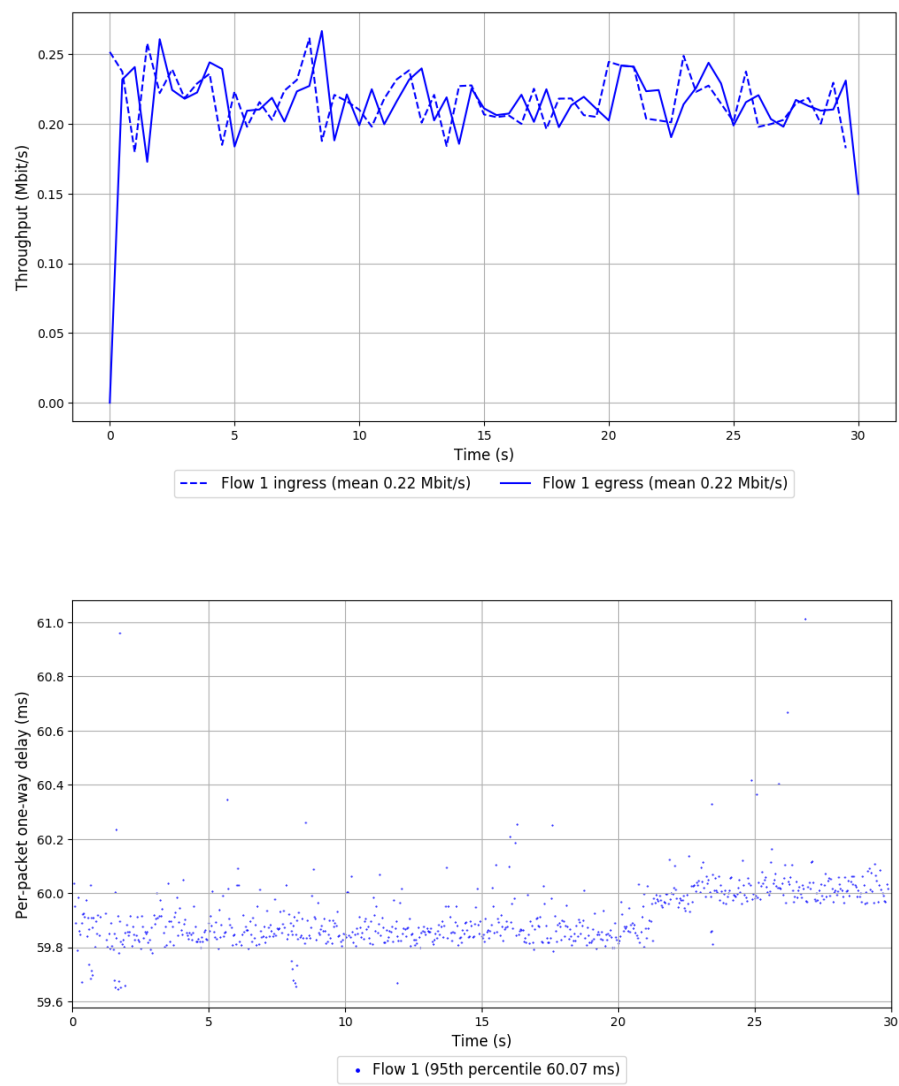
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.071 ms

Loss rate: 0.38%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-25 22:46:30

End at: 2018-07-25 22:47:00

Local clock offset: -0.146 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-26 04:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 61.642 ms

Loss rate: 0.11%

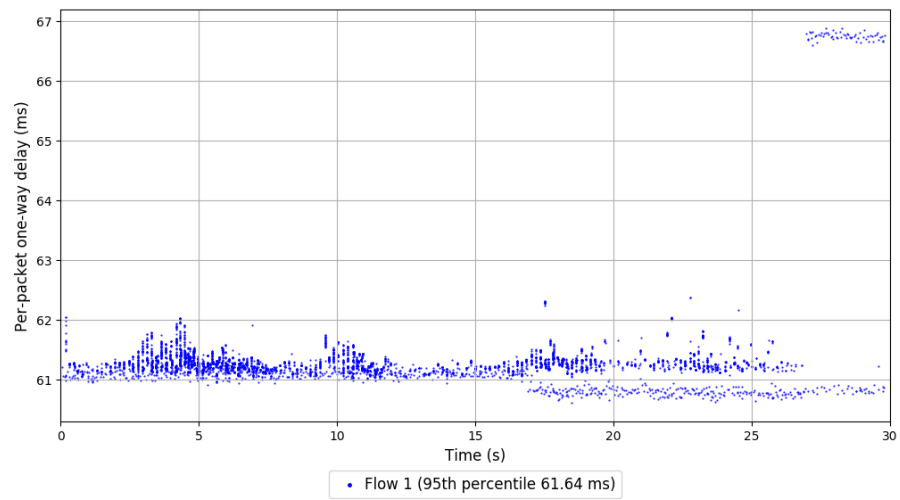
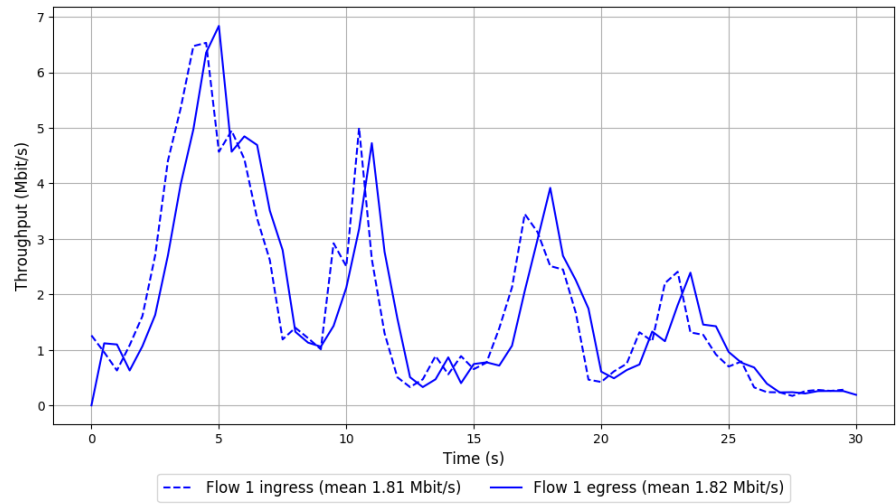
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 61.642 ms

Loss rate: 0.11%

Run 1: Report of Sprout — Data Link

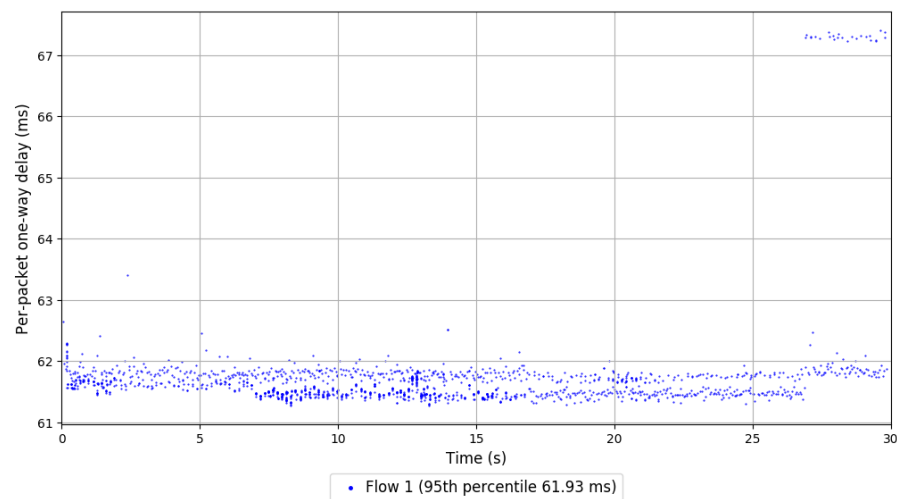
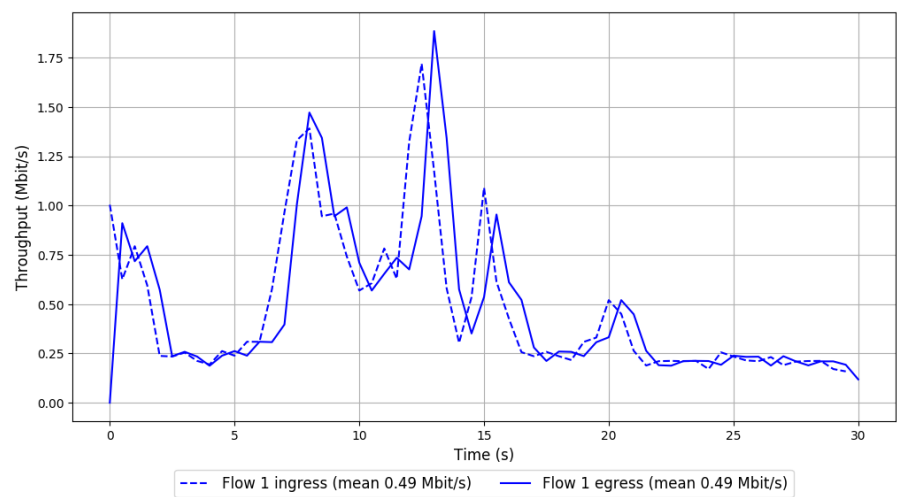


Run 2: Statistics of Sprout

Start at: 2018-07-25 23:08:20
End at: 2018-07-25 23:08:50
Local clock offset: -0.135 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-07-26 04:07:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 61.929 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 61.929 ms
Loss rate: 0.15%

Run 2: Report of Sprout — Data Link

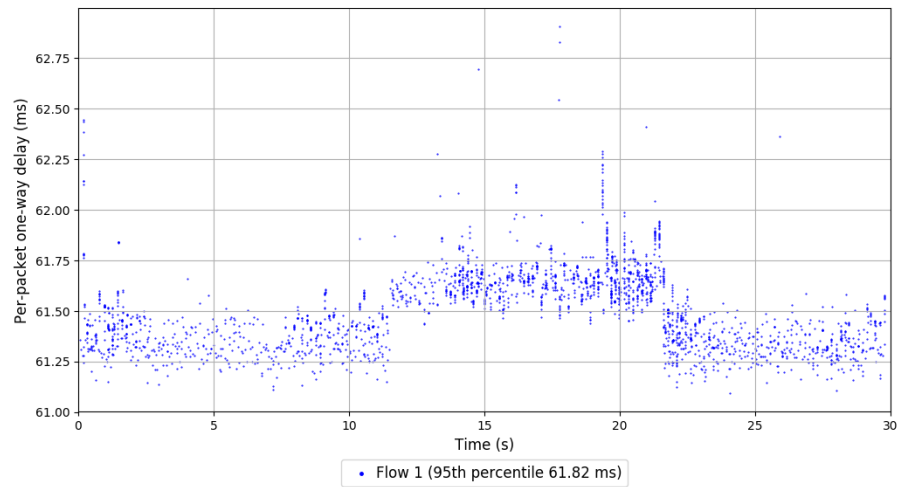
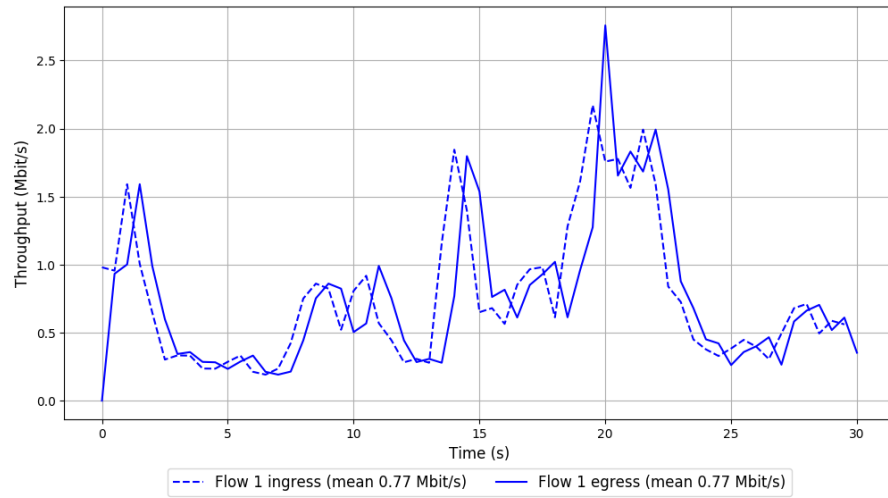


Run 3: Statistics of Sprout

Start at: 2018-07-25 23:30:25
End at: 2018-07-25 23:30:55
Local clock offset: -0.116 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-26 04:07:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 61.816 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 61.816 ms
Loss rate: 0.46%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-25 23:52:42

End at: 2018-07-25 23:53:12

Local clock offset: -0.088 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-26 04:07:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 61.847 ms

Loss rate: 0.08%

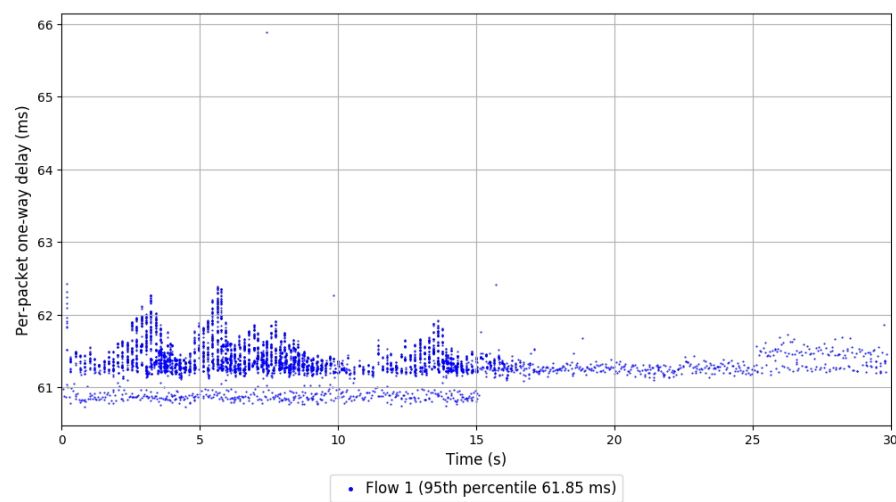
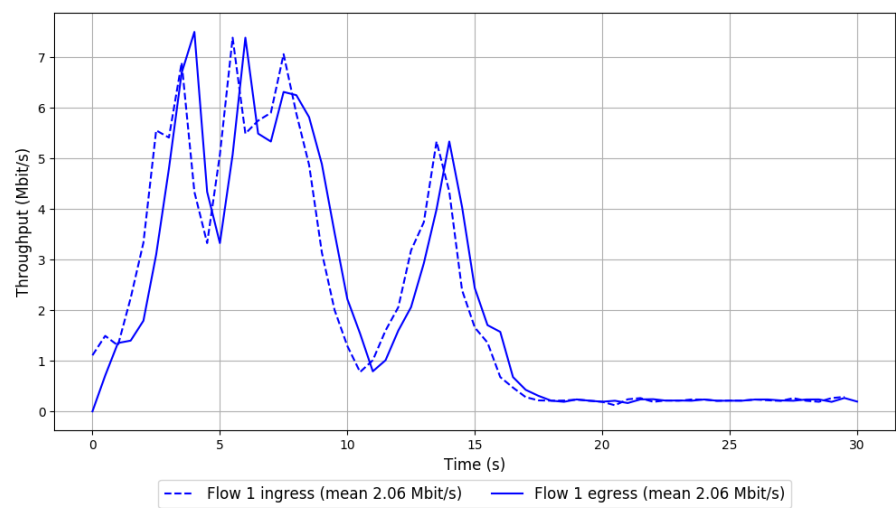
-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 61.847 ms

Loss rate: 0.08%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-26 00:14:51

End at: 2018-07-26 00:15:21

Local clock offset: -0.174 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-07-26 04:07:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 61.417 ms

Loss rate: 0.10%

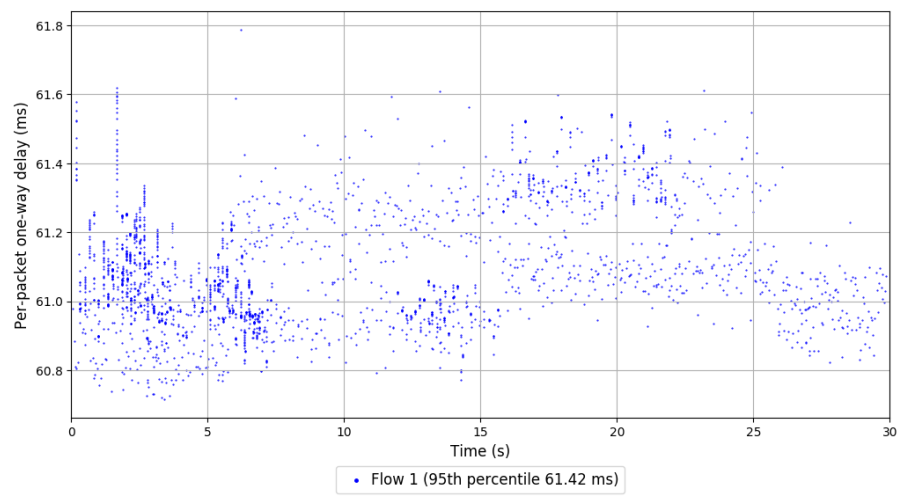
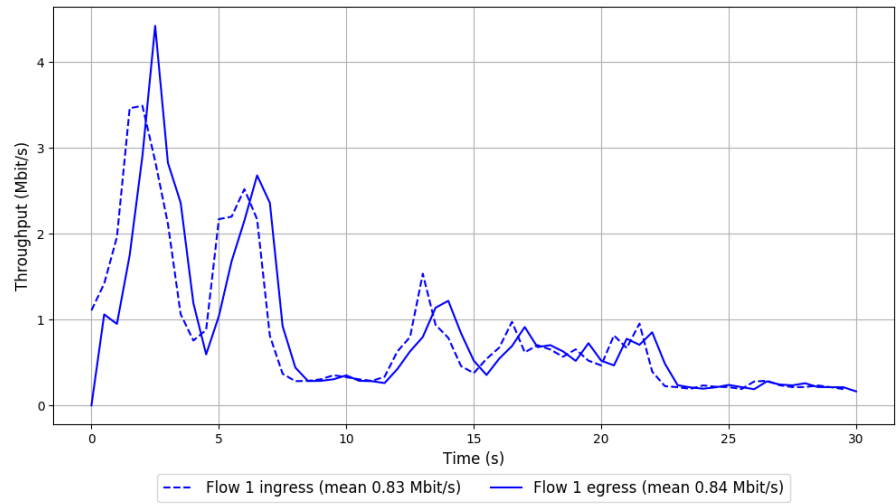
-- Flow 1:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 61.417 ms

Loss rate: 0.10%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-26 00:37:04

End at: 2018-07-26 00:37:34

Local clock offset: -0.016 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-07-26 04:07:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 61.304 ms

Loss rate: 0.55%

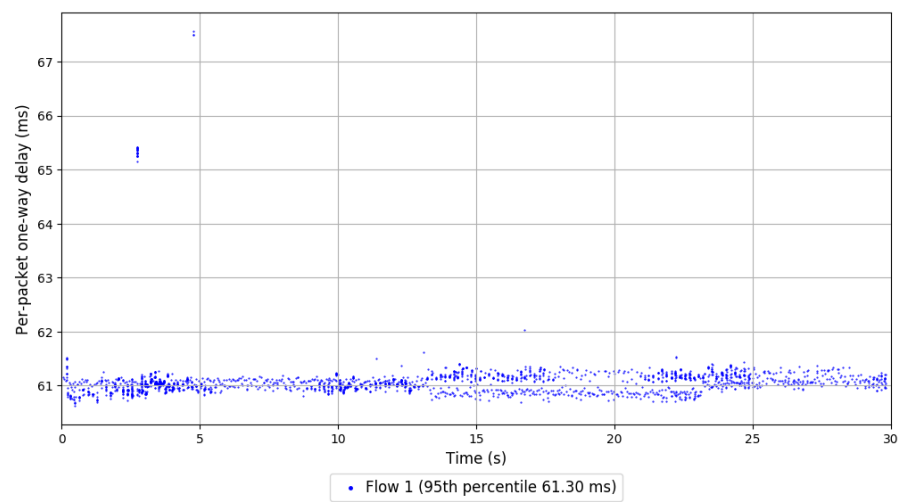
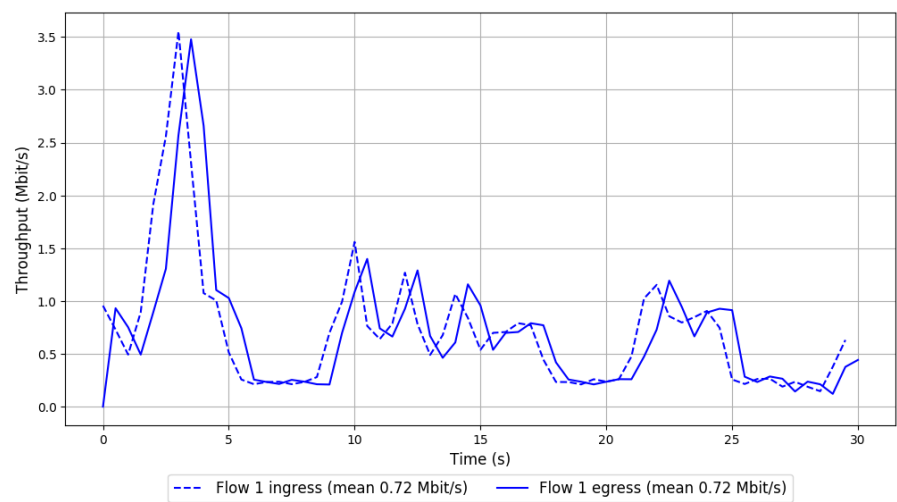
-- Flow 1:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 61.304 ms

Loss rate: 0.55%

Run 6: Report of Sprout — Data Link

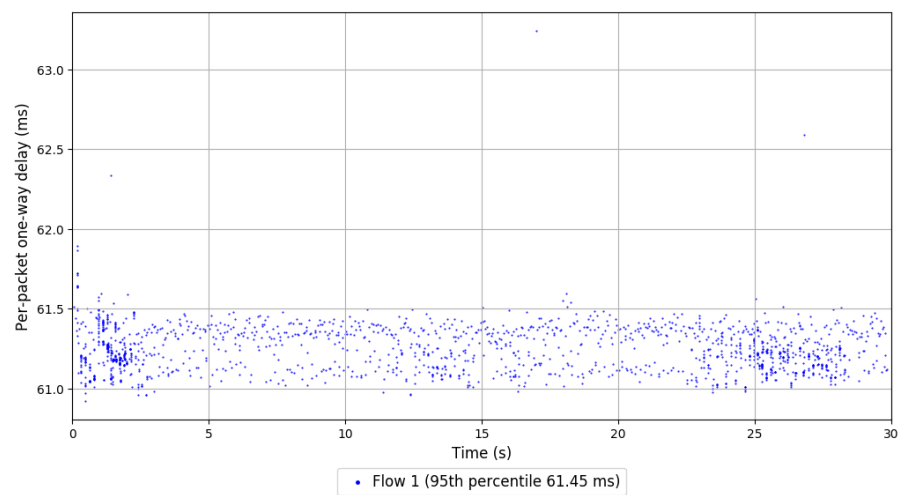
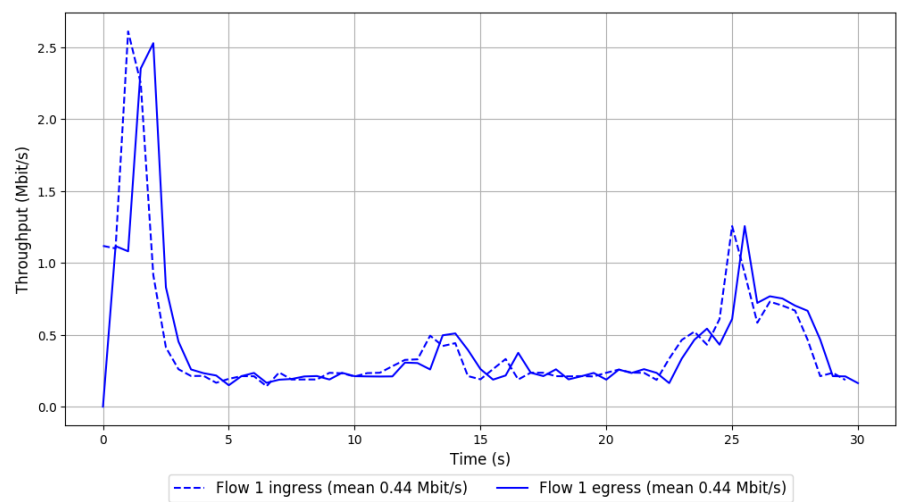


Run 7: Statistics of Sprout

Start at: 2018-07-26 00:59:30
End at: 2018-07-26 01:00:00
Local clock offset: -0.005 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-26 04:07:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.446 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.446 ms
Loss rate: 0.19%

Run 7: Report of Sprout — Data Link

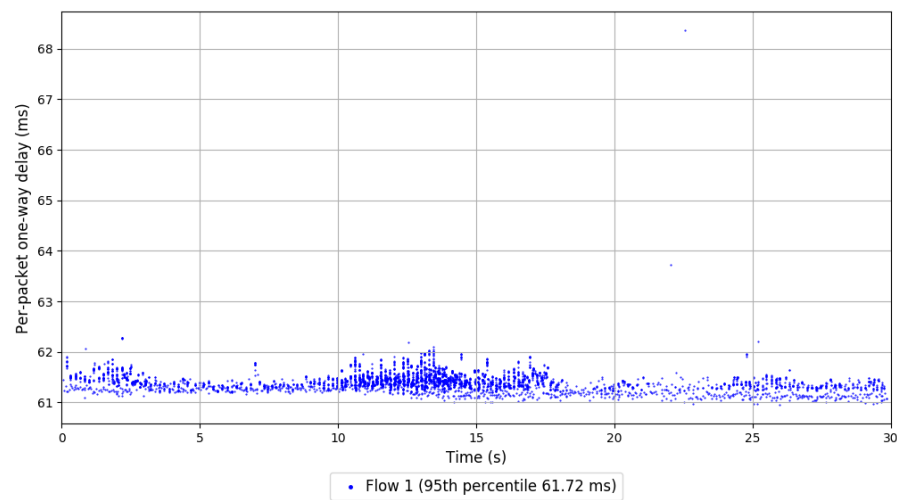
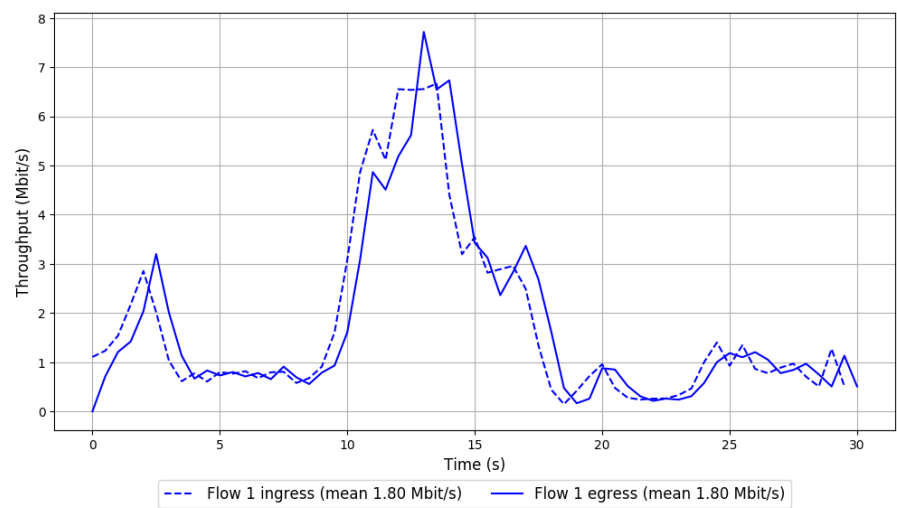


Run 8: Statistics of Sprout

Start at: 2018-07-26 01:21:44
End at: 2018-07-26 01:22:14
Local clock offset: -0.054 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-07-26 04:07:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 61.723 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 61.723 ms
Loss rate: 0.14%

Run 8: Report of Sprout — Data Link

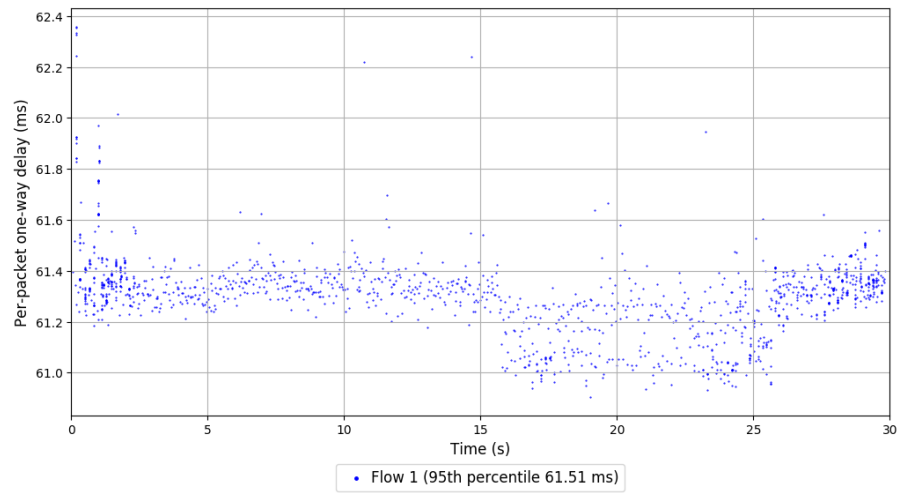
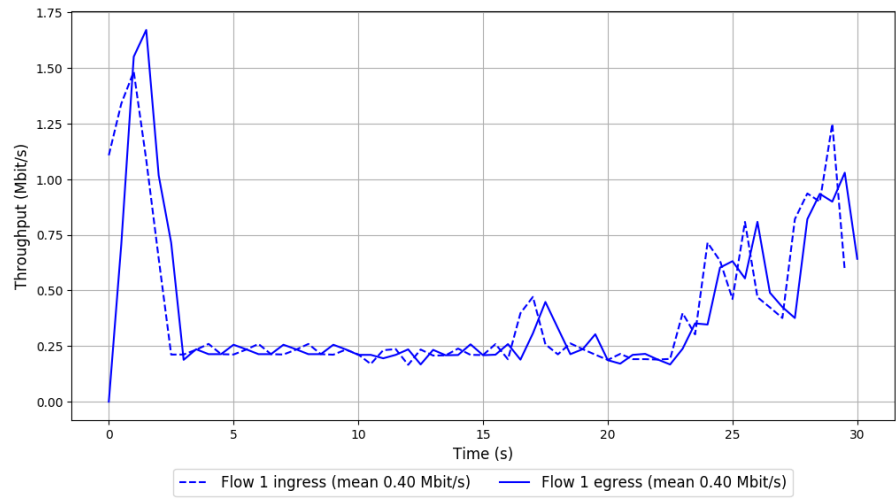


Run 9: Statistics of Sprout

Start at: 2018-07-26 01:44:01
End at: 2018-07-26 01:44:31
Local clock offset: -0.023 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-26 04:07:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 61.509 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 61.509 ms
Loss rate: 0.70%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-26 02:06:14

End at: 2018-07-26 02:06:44

Local clock offset: -0.058 ms

Remote clock offset: -0.279 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 61.832 ms

Loss rate: 0.40%

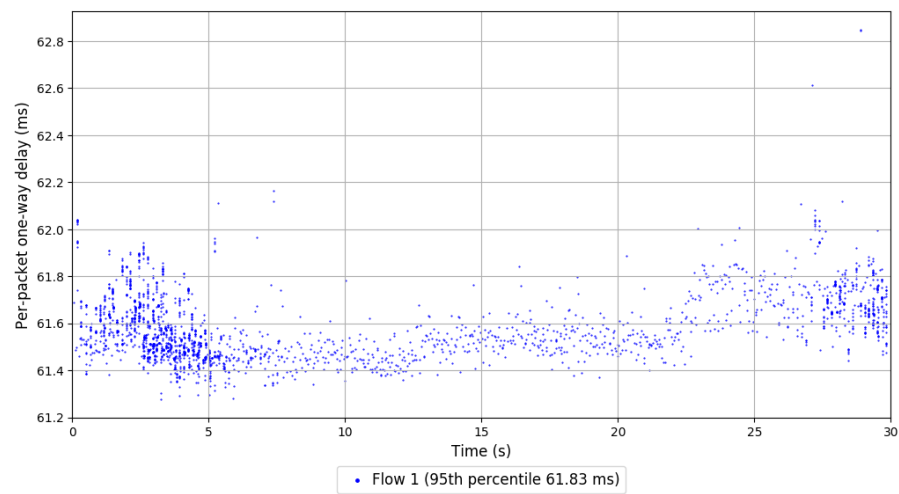
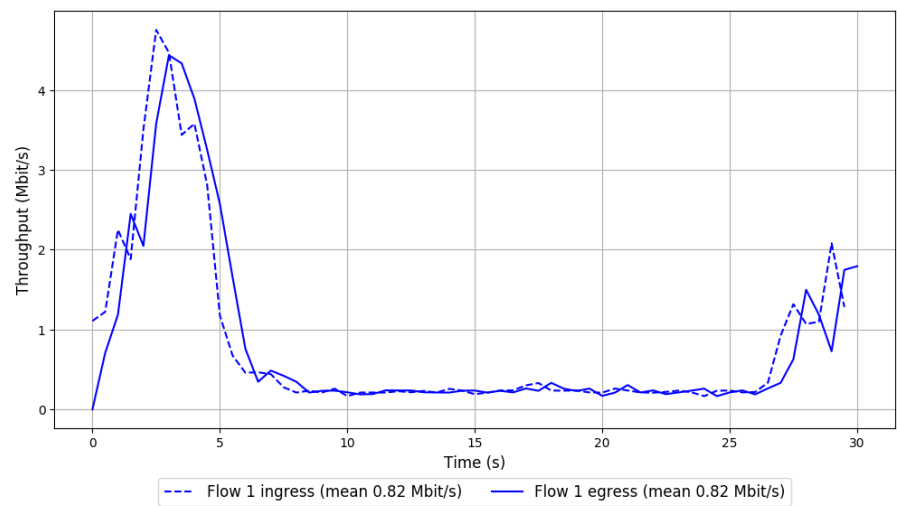
-- Flow 1:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 61.832 ms

Loss rate: 0.40%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-25 22:43:56

End at: 2018-07-25 22:44:26

Local clock offset: -0.185 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-07-26 04:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.79 Mbit/s

95th percentile per-packet one-way delay: 62.348 ms

Loss rate: 0.43%

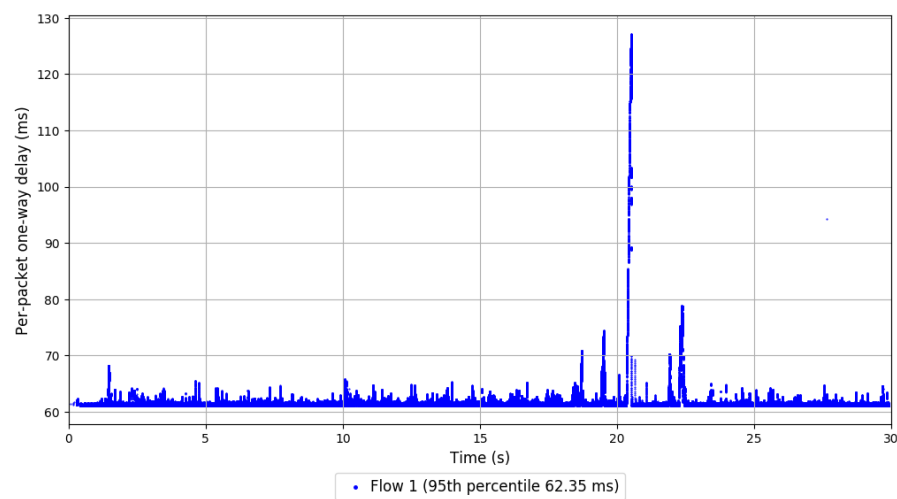
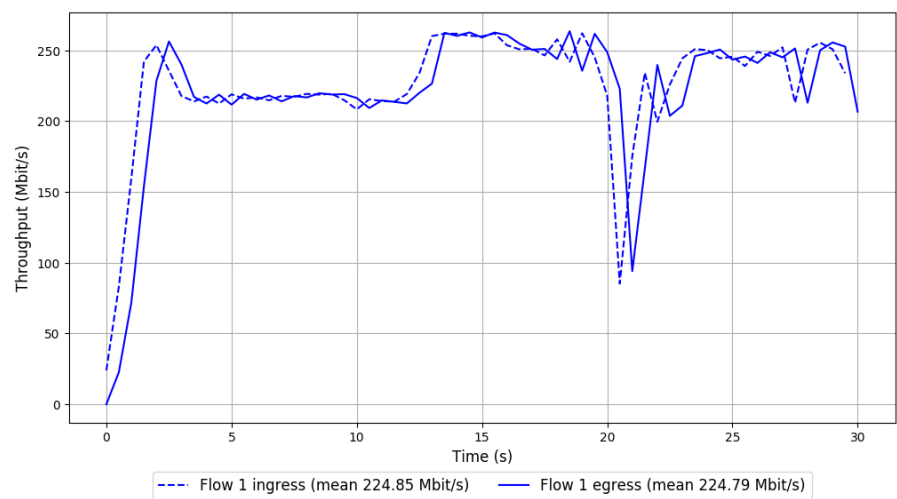
-- Flow 1:

Average throughput: 224.79 Mbit/s

95th percentile per-packet one-way delay: 62.348 ms

Loss rate: 0.43%

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



Run 2: Statistics of TaoVA-100x

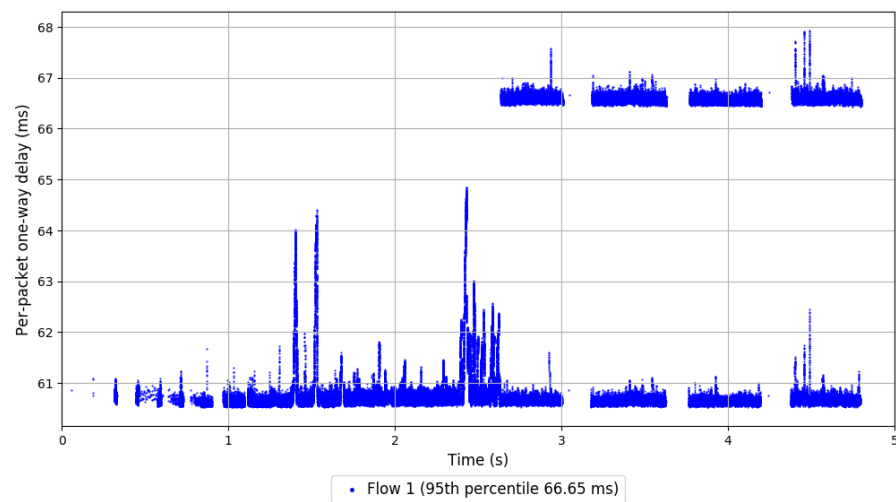
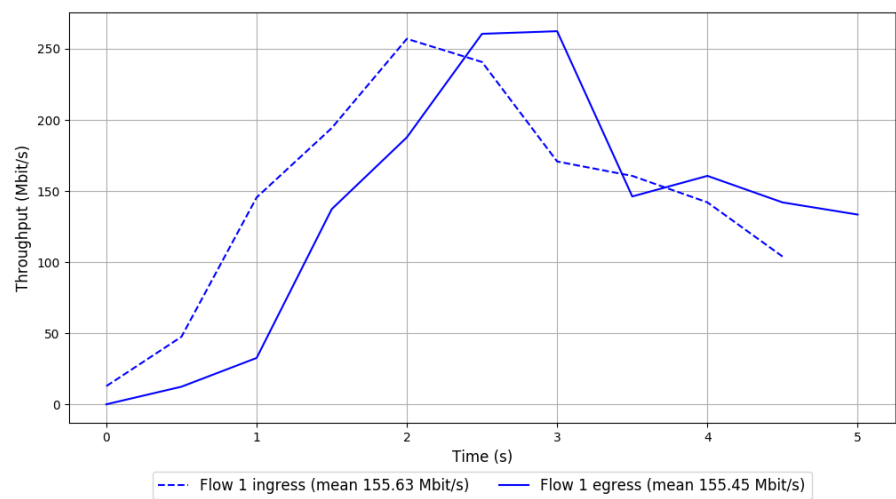
Start at: 2018-07-25 23:06:04

End at: 2018-07-25 23:06:34

Local clock offset: -0.138 ms

Remote clock offset: 0.253 ms

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

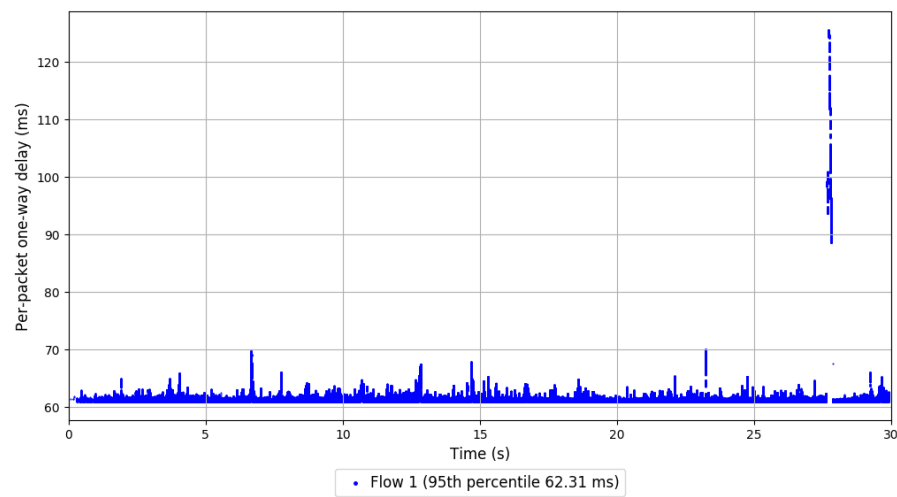
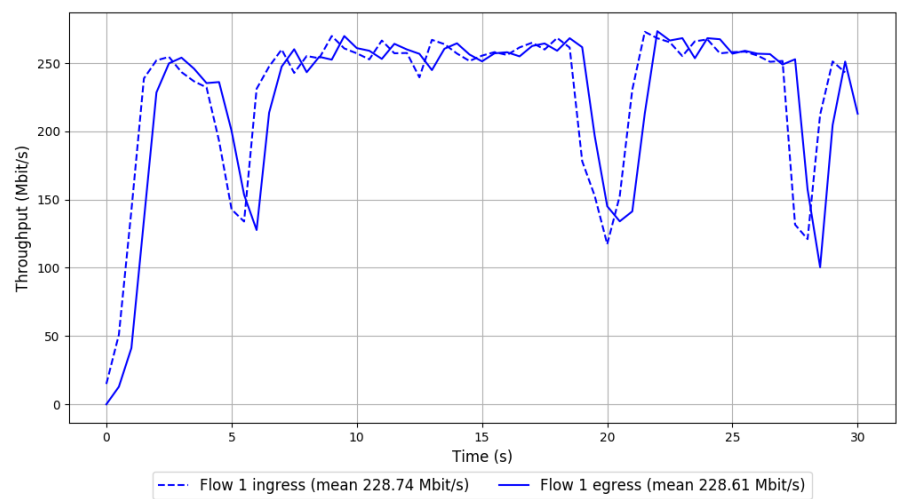


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 23:27:51
End at: 2018-07-25 23:28:21
Local clock offset: -0.085 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-26 04:10:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.61 Mbit/s
95th percentile per-packet one-way delay: 62.311 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 228.61 Mbit/s
95th percentile per-packet one-way delay: 62.311 ms
Loss rate: 0.47%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 23:50:07

End at: 2018-07-25 23:50:37

Local clock offset: -0.101 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-26 04:10:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.40 Mbit/s

95th percentile per-packet one-way delay: 62.731 ms

Loss rate: 0.42%

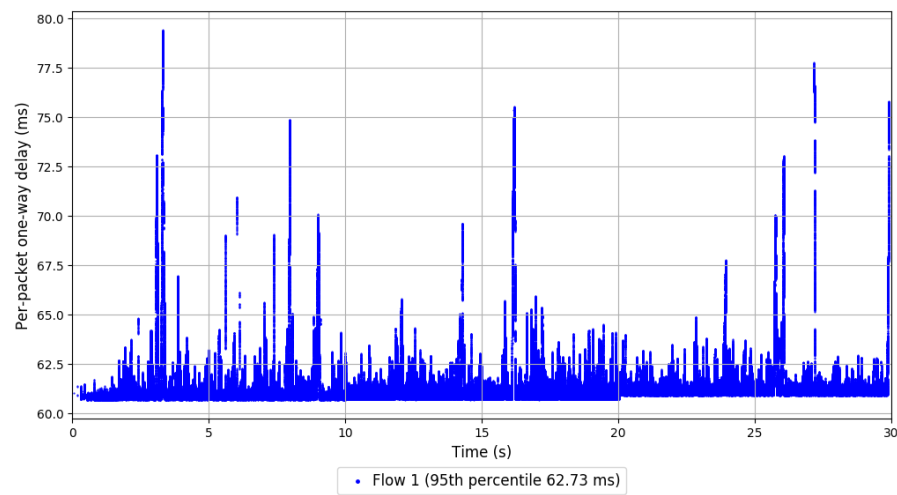
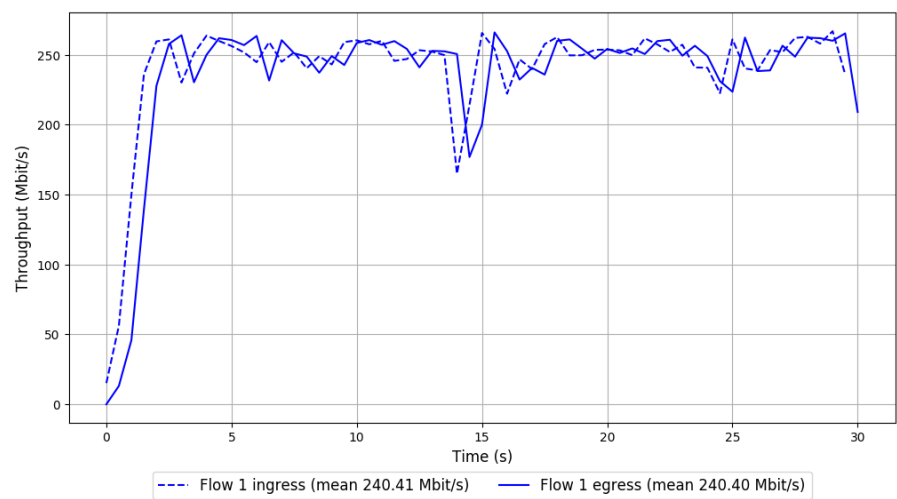
-- Flow 1:

Average throughput: 240.40 Mbit/s

95th percentile per-packet one-way delay: 62.731 ms

Loss rate: 0.42%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-26 00:12:18

End at: 2018-07-26 00:12:48

Local clock offset: -0.135 ms

Remote clock offset: 0.191 ms

Below is generated by plot.py at 2018-07-26 04:10:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.87 Mbit/s

95th percentile per-packet one-way delay: 61.760 ms

Loss rate: 0.38%

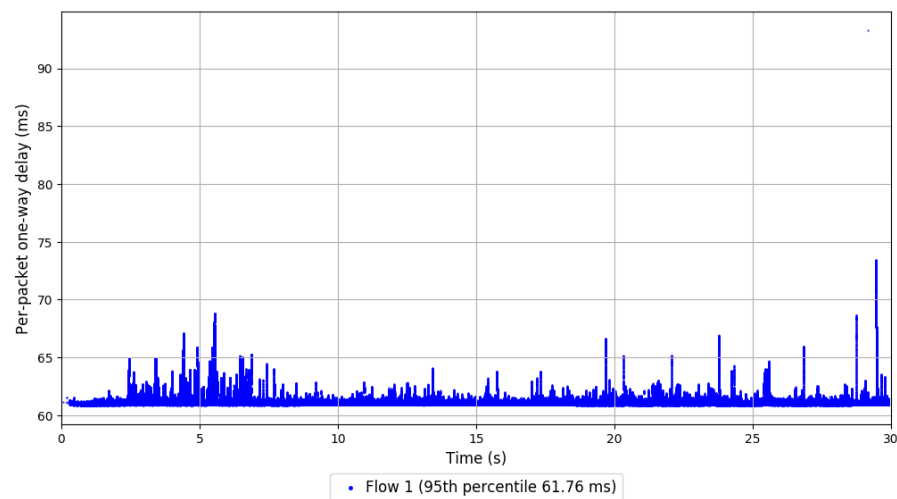
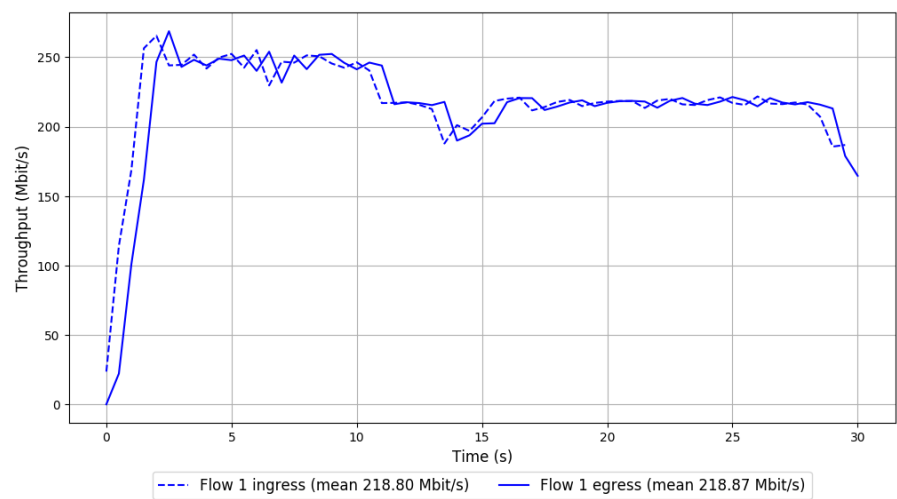
-- Flow 1:

Average throughput: 218.87 Mbit/s

95th percentile per-packet one-way delay: 61.760 ms

Loss rate: 0.38%

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

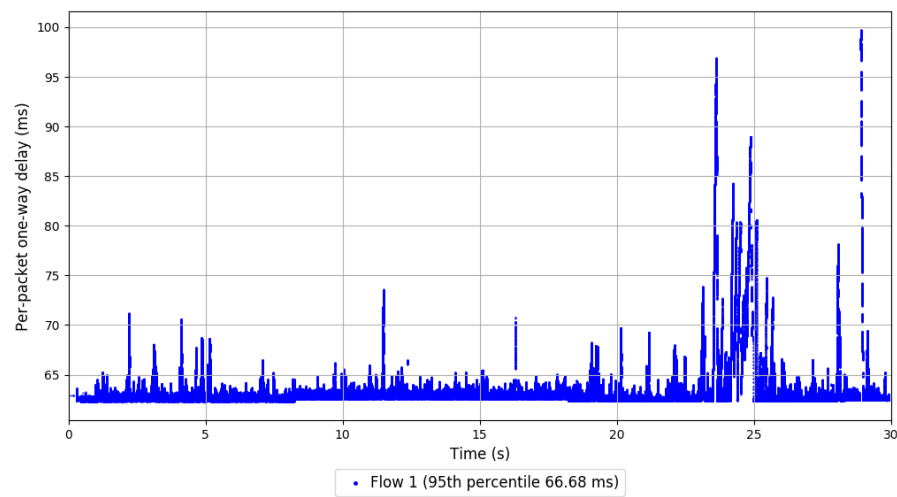
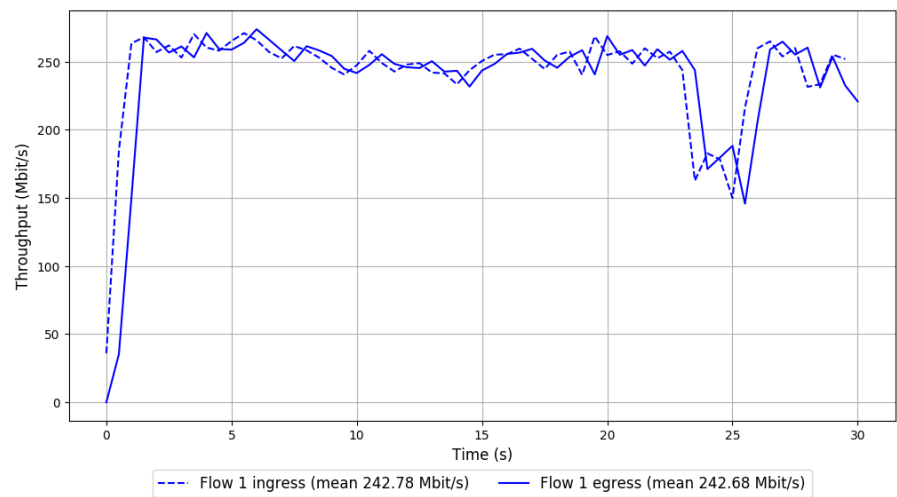


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-26 00:34:29
End at: 2018-07-26 00:34:59
Local clock offset: -0.075 ms
Remote clock offset: -1.494 ms

Below is generated by plot.py at 2018-07-26 04:13:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.68 Mbit/s
95th percentile per-packet one-way delay: 66.678 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 242.68 Mbit/s
95th percentile per-packet one-way delay: 66.678 ms
Loss rate: 0.45%

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

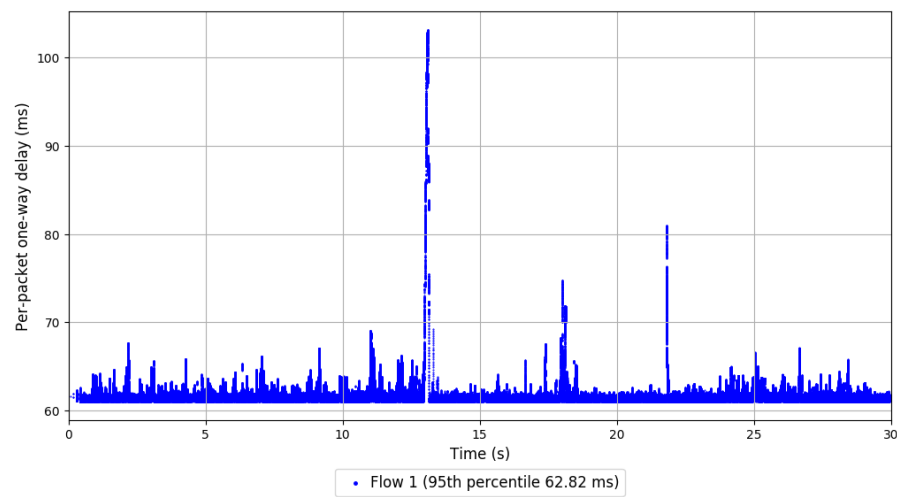
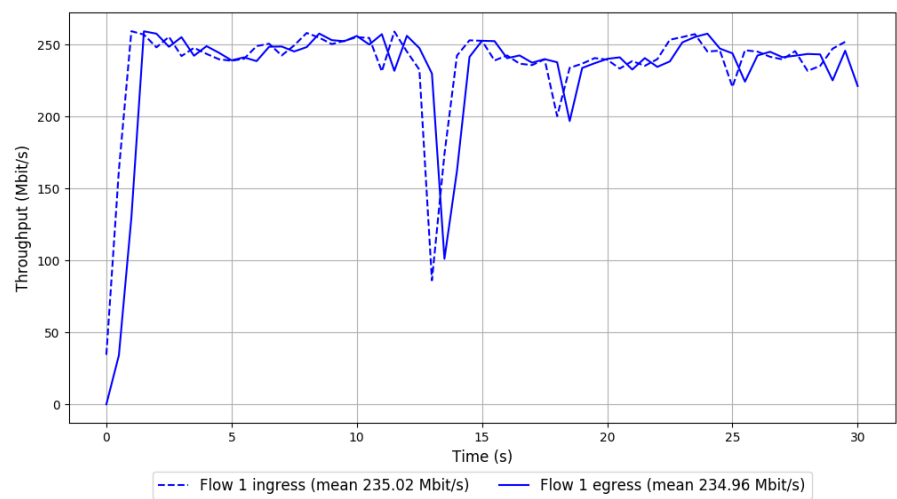


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-26 00:56:57
End at: 2018-07-26 00:57:27
Local clock offset: -0.023 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-07-26 04:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.96 Mbit/s
95th percentile per-packet one-way delay: 62.823 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 234.96 Mbit/s
95th percentile per-packet one-way delay: 62.823 ms
Loss rate: 0.44%

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

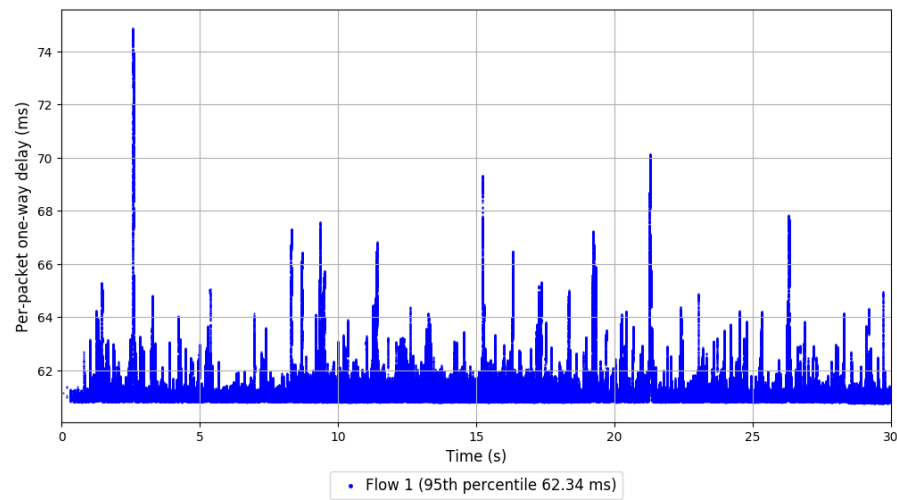
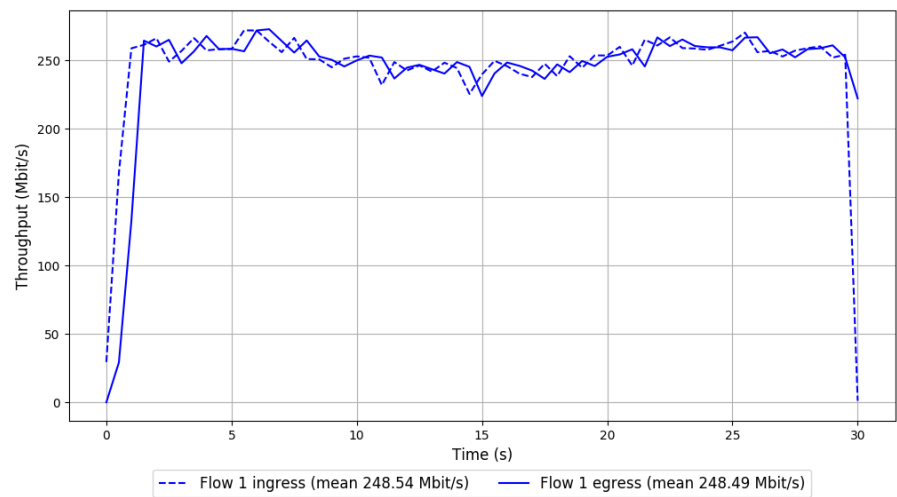


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-26 01:19:08
End at: 2018-07-26 01:19:38
Local clock offset: -0.057 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-26 04:15:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.49 Mbit/s
95th percentile per-packet one-way delay: 62.340 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 248.49 Mbit/s
95th percentile per-packet one-way delay: 62.340 ms
Loss rate: 0.43%

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

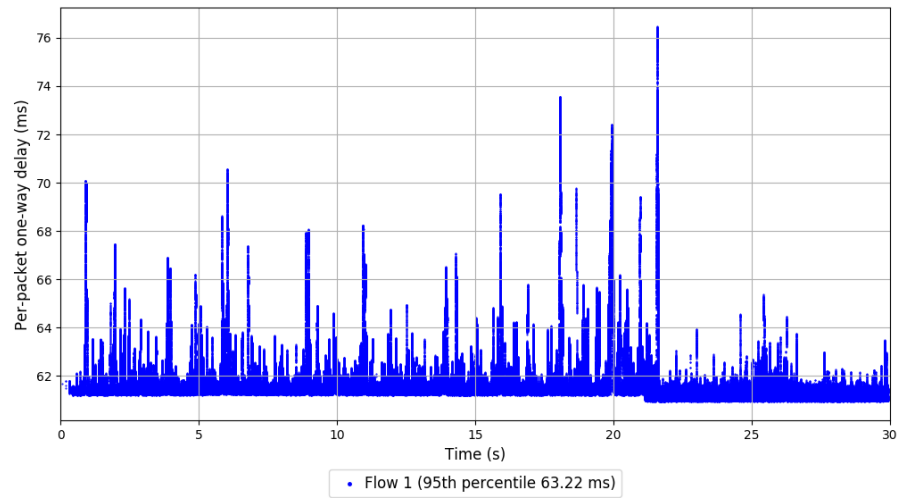
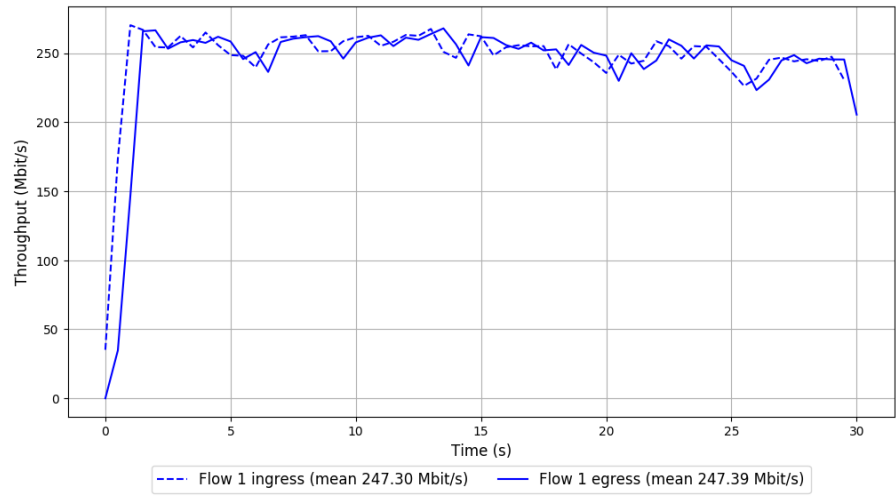


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-26 01:41:26
End at: 2018-07-26 01:41:56
Local clock offset: -0.061 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-07-26 04:17:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.39 Mbit/s
95th percentile per-packet one-way delay: 63.215 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 247.39 Mbit/s
95th percentile per-packet one-way delay: 63.215 ms
Loss rate: 0.38%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-26 02:03:38

End at: 2018-07-26 02:04:08

Local clock offset: -0.071 ms

Remote clock offset: -1.392 ms

Below is generated by plot.py at 2018-07-26 04:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.33 Mbit/s

95th percentile per-packet one-way delay: 63.599 ms

Loss rate: 0.43%

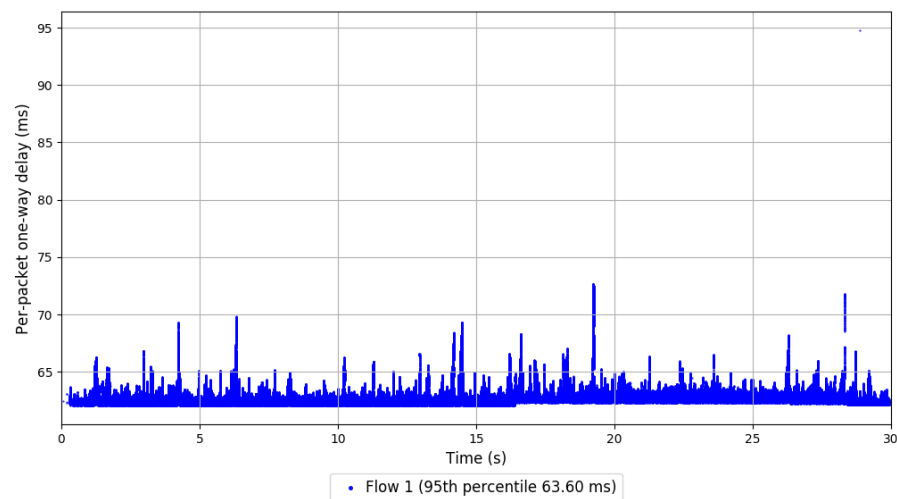
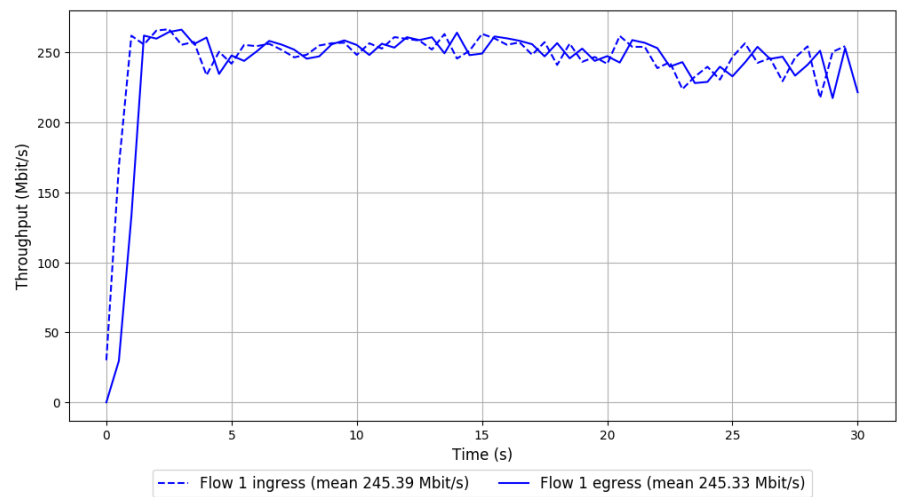
-- Flow 1:

Average throughput: 245.33 Mbit/s

95th percentile per-packet one-way delay: 63.599 ms

Loss rate: 0.43%

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

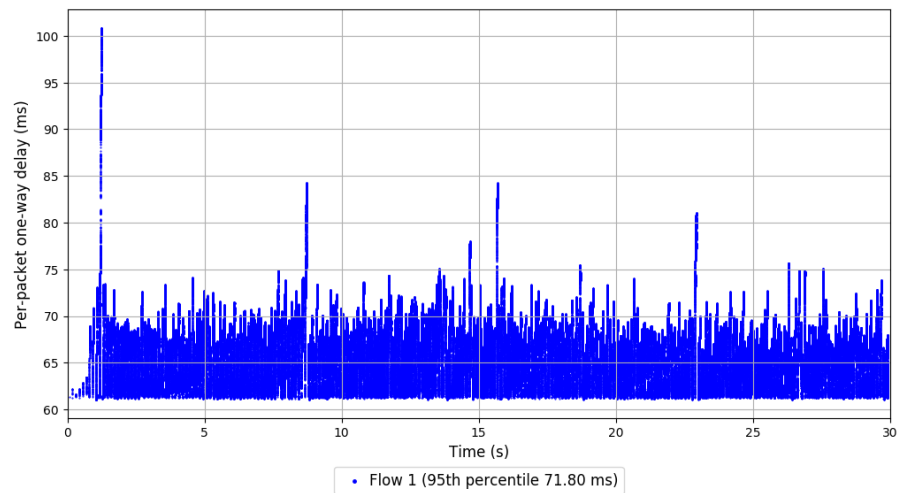
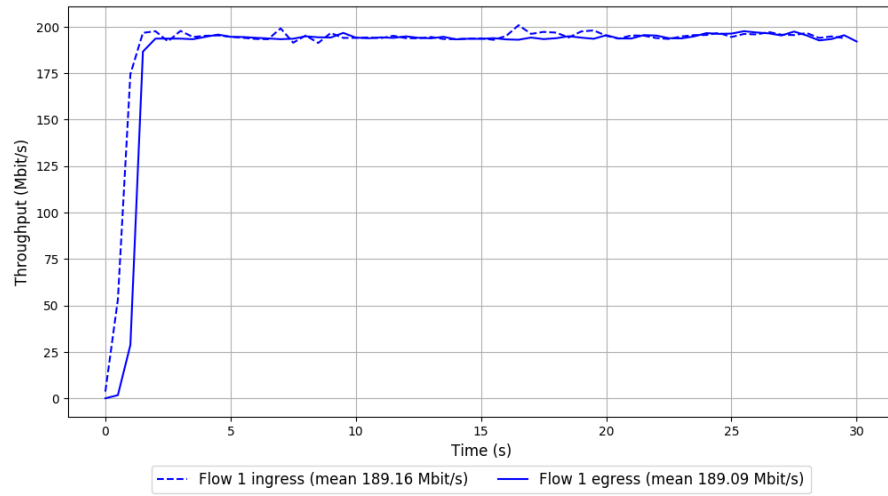


Run 1: Statistics of TCP Vegas

Start at: 2018-07-25 22:56:48
End at: 2018-07-25 22:57:18
Local clock offset: -0.143 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-07-26 04:19:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.09 Mbit/s
95th percentile per-packet one-way delay: 71.803 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 189.09 Mbit/s
95th percentile per-packet one-way delay: 71.803 ms
Loss rate: 0.43%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 23:18:45

End at: 2018-07-25 23:19:15

Local clock offset: -0.14 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-07-26 04:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.86 Mbit/s

95th percentile per-packet one-way delay: 71.249 ms

Loss rate: 0.47%

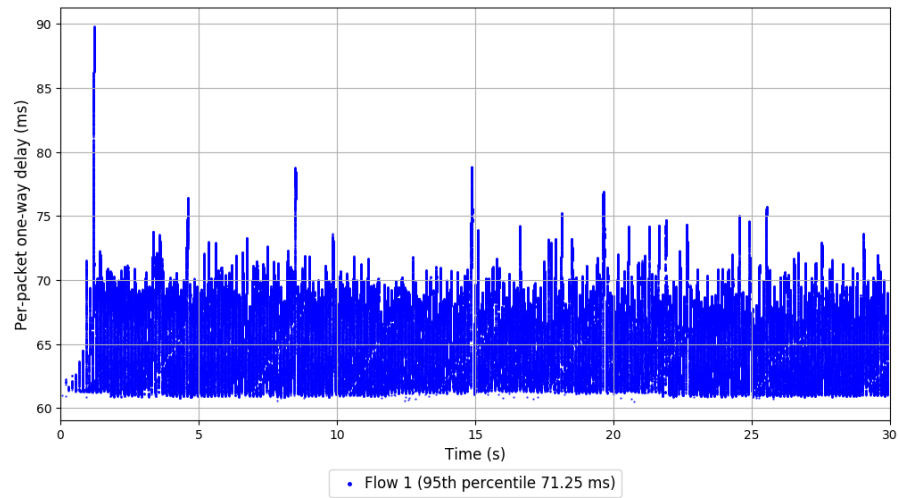
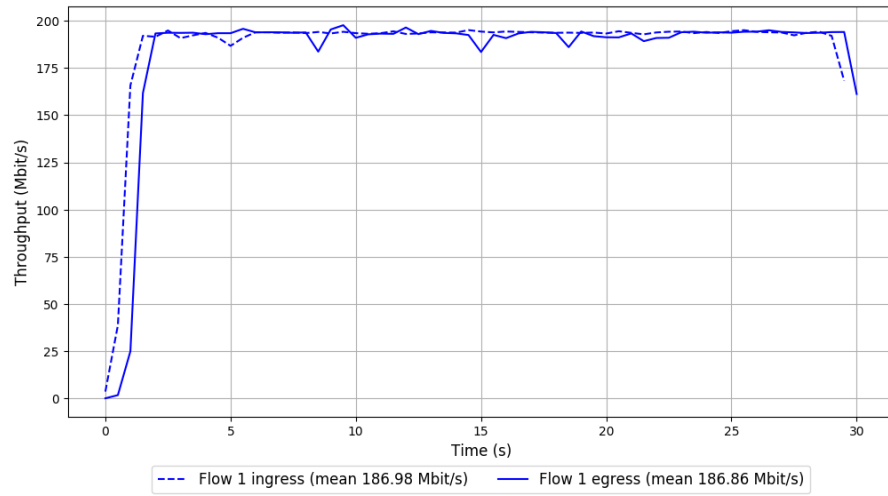
-- Flow 1:

Average throughput: 186.86 Mbit/s

95th percentile per-packet one-way delay: 71.249 ms

Loss rate: 0.47%

Run 2: Report of TCP Vegas — Data Link

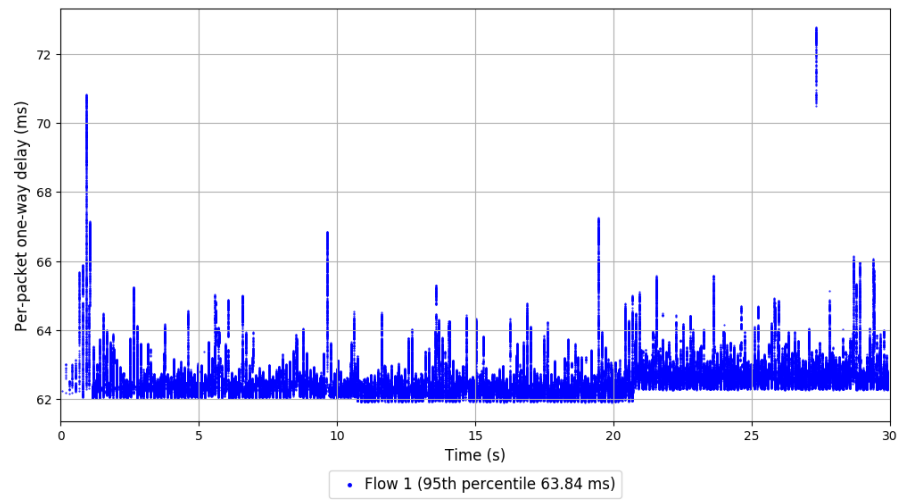
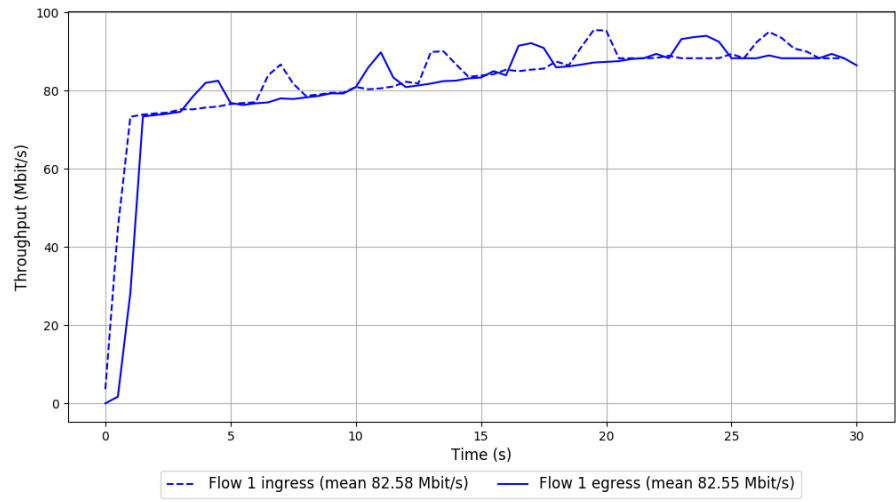


Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 23:40:46
End at: 2018-07-25 23:41:16
Local clock offset: -0.094 ms
Remote clock offset: -0.957 ms

Below is generated by plot.py at 2018-07-26 04:19:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.55 Mbit/s
95th percentile per-packet one-way delay: 63.839 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 82.55 Mbit/s
95th percentile per-packet one-way delay: 63.839 ms
Loss rate: 0.45%

Run 3: Report of TCP Vegas — Data Link

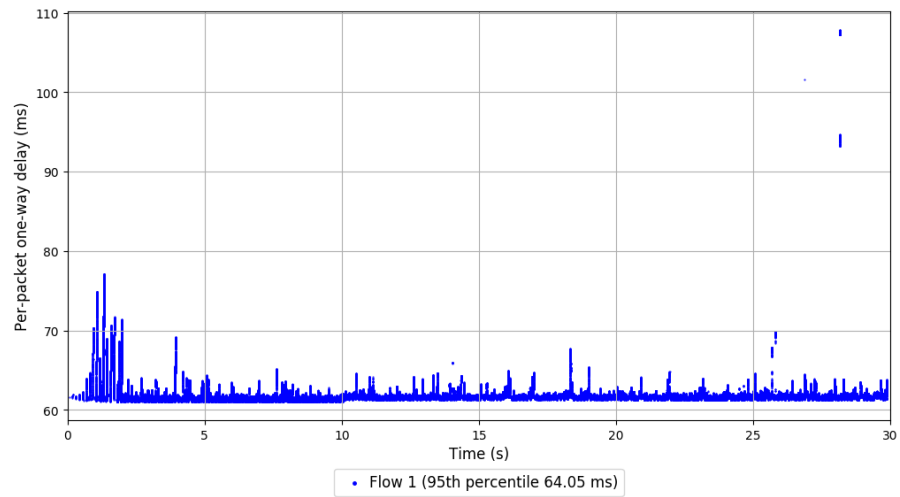
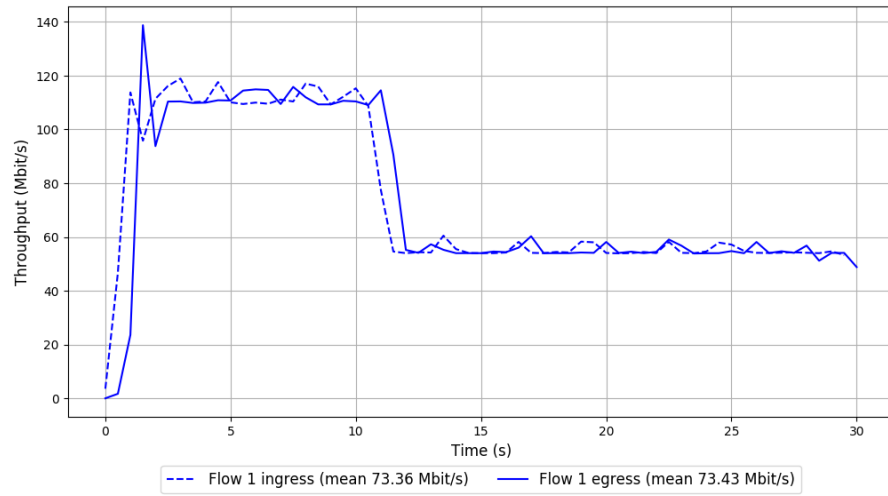


Run 4: Statistics of TCP Vegas

Start at: 2018-07-26 00:03:07
End at: 2018-07-26 00:03:37
Local clock offset: -0.133 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-07-26 04:19:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: 64.054 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: 64.054 ms
Loss rate: 0.31%

Run 4: Report of TCP Vegas — Data Link

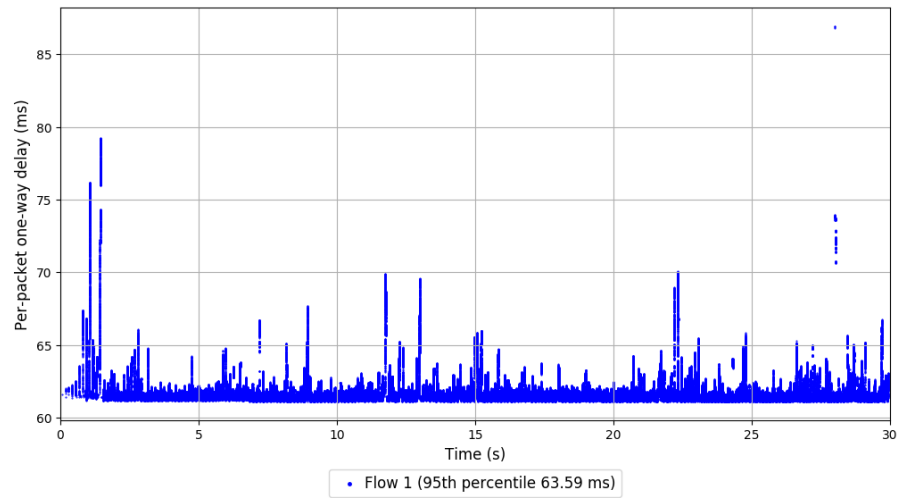
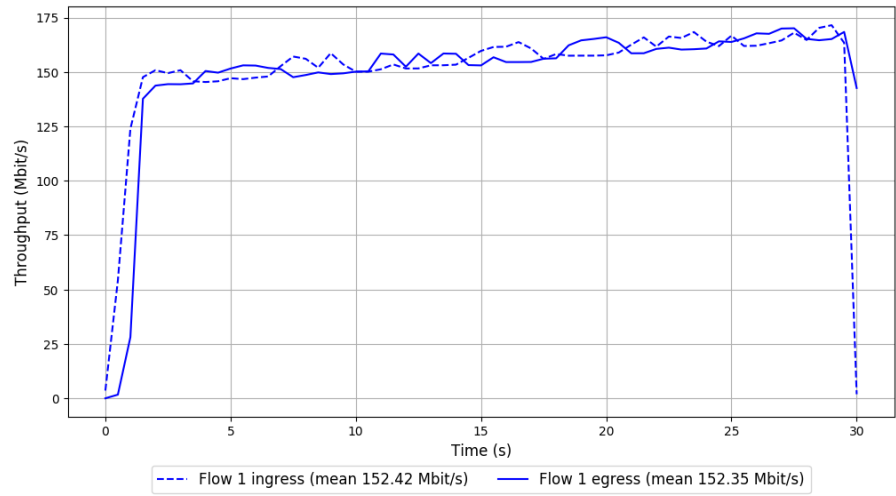


Run 5: Statistics of TCP Vegas

Start at: 2018-07-26 00:25:10
End at: 2018-07-26 00:25:40
Local clock offset: -0.134 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-26 04:19:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.35 Mbit/s
95th percentile per-packet one-way delay: 63.589 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 152.35 Mbit/s
95th percentile per-packet one-way delay: 63.589 ms
Loss rate: 0.45%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-26 00:47:30

End at: 2018-07-26 00:48:00

Local clock offset: -0.001 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-26 04:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.59 Mbit/s

95th percentile per-packet one-way delay: 72.002 ms

Loss rate: 0.43%

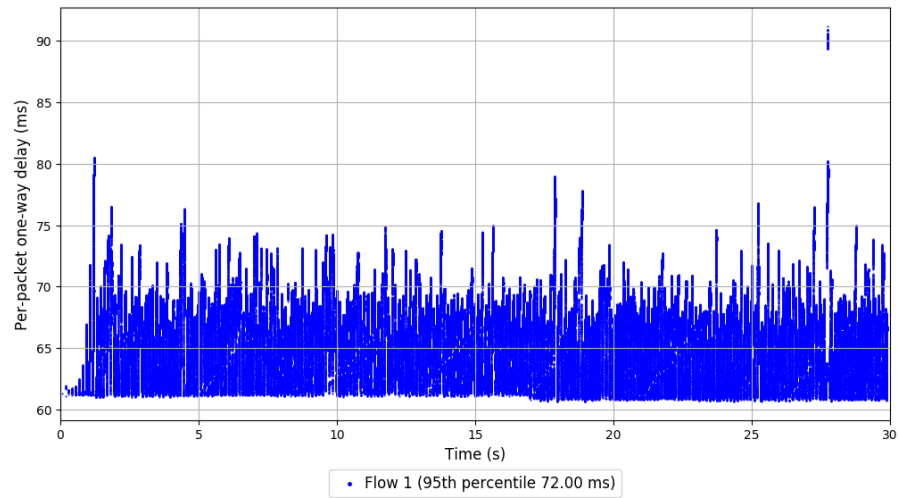
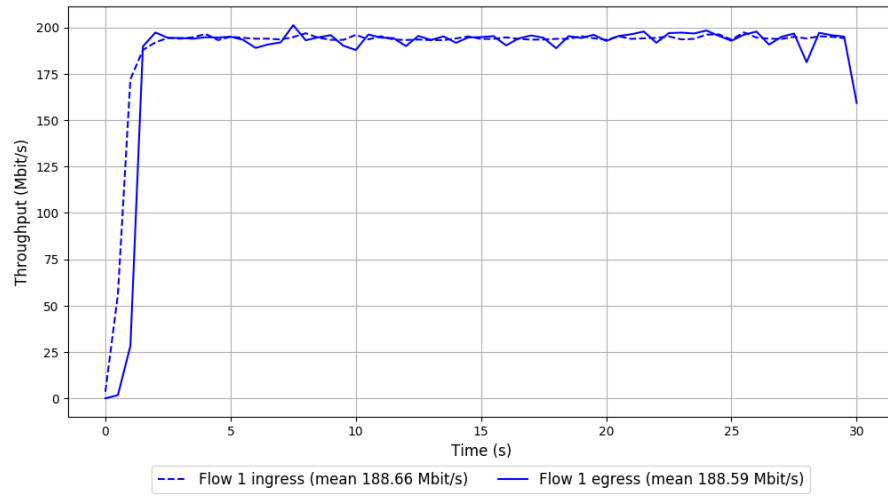
-- Flow 1:

Average throughput: 188.59 Mbit/s

95th percentile per-packet one-way delay: 72.002 ms

Loss rate: 0.43%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-26 01:09:49

End at: 2018-07-26 01:10:19

Local clock offset: -0.059 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-26 04:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.13 Mbit/s

95th percentile per-packet one-way delay: 72.973 ms

Loss rate: 0.43%

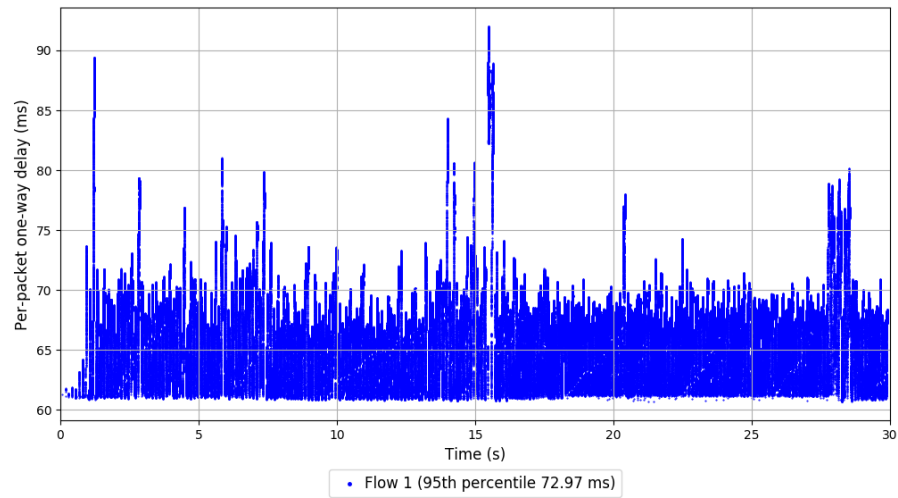
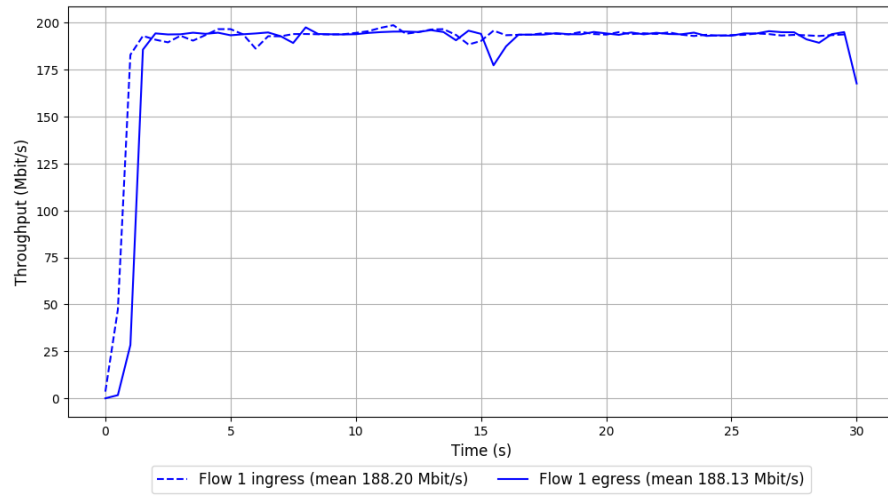
-- Flow 1:

Average throughput: 188.13 Mbit/s

95th percentile per-packet one-way delay: 72.973 ms

Loss rate: 0.43%

Run 7: Report of TCP Vegas — Data Link

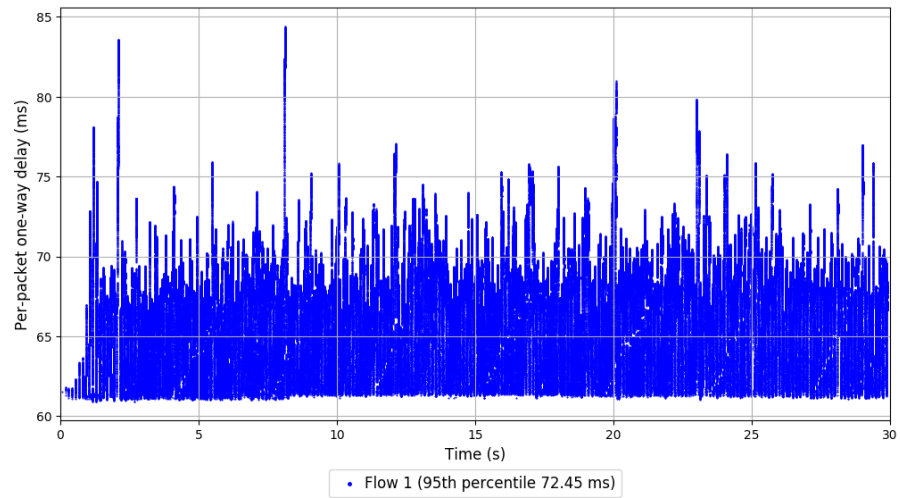
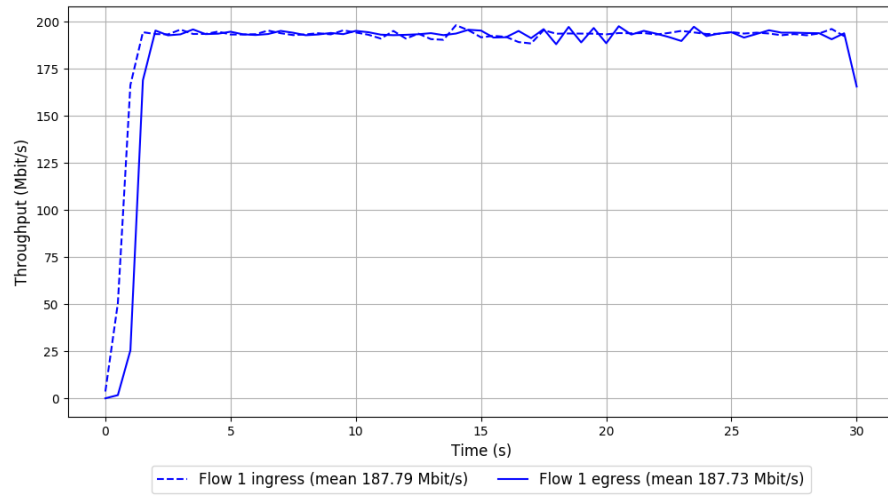


Run 8: Statistics of TCP Vegas

Start at: 2018-07-26 01:32:09
End at: 2018-07-26 01:32:39
Local clock offset: -0.032 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-07-26 04:19:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.73 Mbit/s
95th percentile per-packet one-way delay: 72.447 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 187.73 Mbit/s
95th percentile per-packet one-way delay: 72.447 ms
Loss rate: 0.43%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-26 01:54:22

End at: 2018-07-26 01:54:52

Local clock offset: -0.062 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-07-26 04:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.59 Mbit/s

95th percentile per-packet one-way delay: 63.079 ms

Loss rate: 0.41%

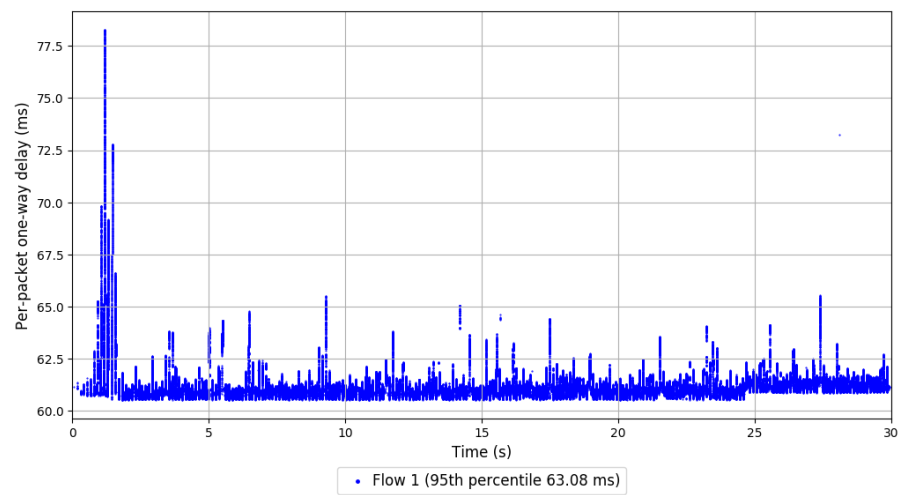
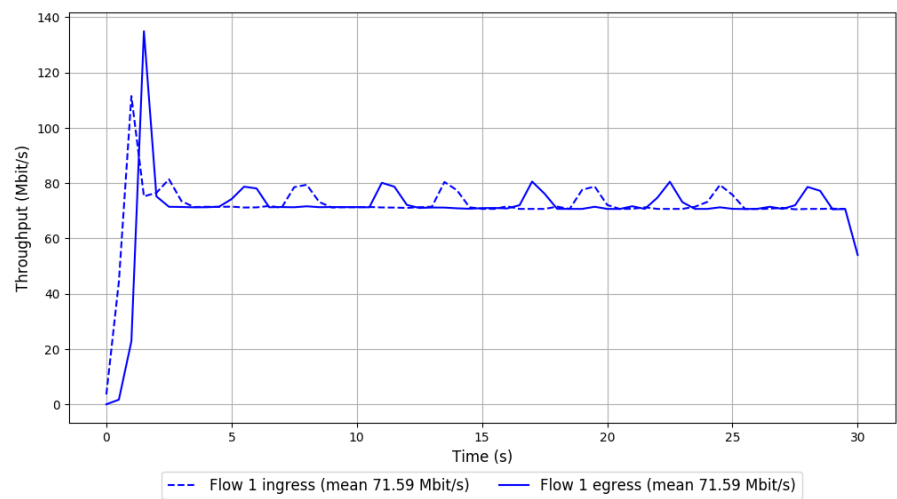
-- Flow 1:

Average throughput: 71.59 Mbit/s

95th percentile per-packet one-way delay: 63.079 ms

Loss rate: 0.41%

Run 9: Report of TCP Vegas — Data Link

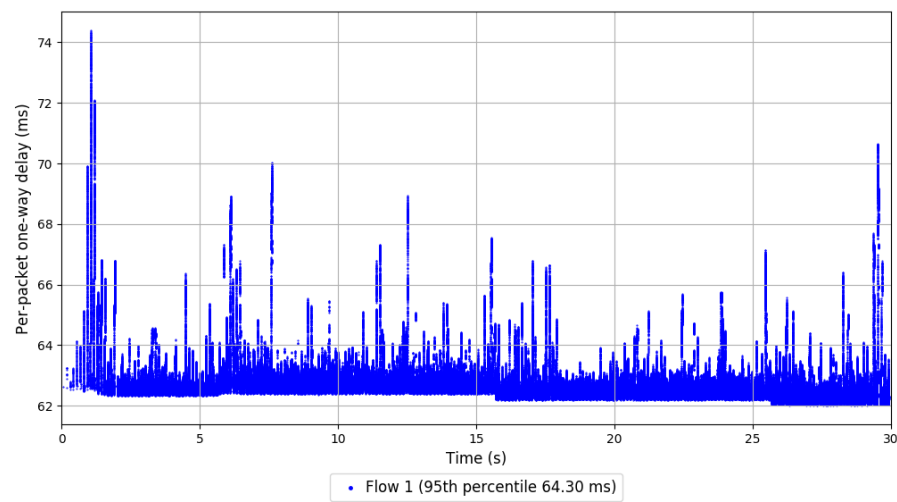
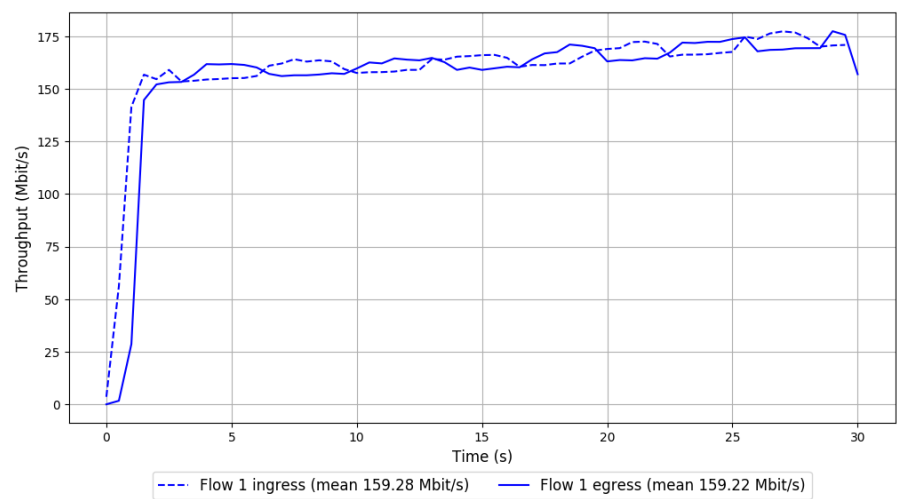


Run 10: Statistics of TCP Vegas

Start at: 2018-07-26 02:16:31
End at: 2018-07-26 02:17:01
Local clock offset: -0.011 ms
Remote clock offset: -1.353 ms

Below is generated by plot.py at 2018-07-26 04:19:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.22 Mbit/s
95th percentile per-packet one-way delay: 64.300 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 159.22 Mbit/s
95th percentile per-packet one-way delay: 64.300 ms
Loss rate: 0.45%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-25 22:47:36

End at: 2018-07-25 22:48:06

Local clock offset: -0.171 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-07-26 04:20:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.96 Mbit/s

95th percentile per-packet one-way delay: 263.516 ms

Loss rate: 1.24%

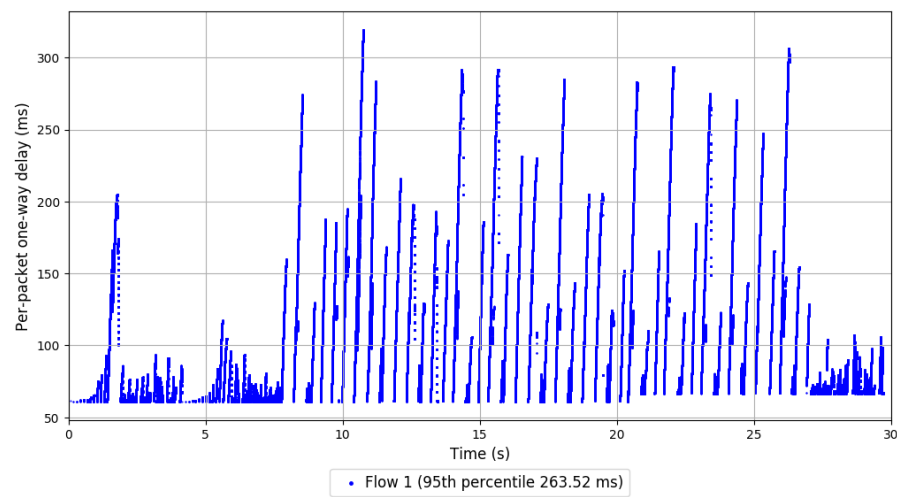
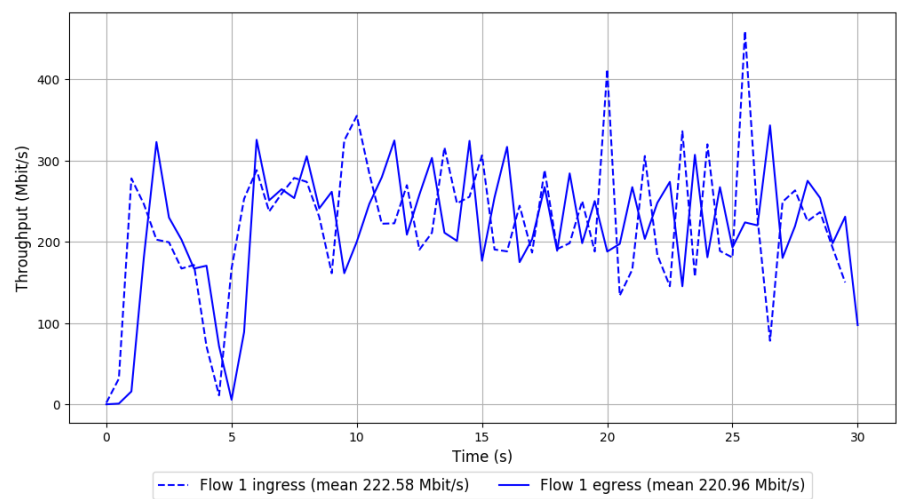
-- Flow 1:

Average throughput: 220.96 Mbit/s

95th percentile per-packet one-way delay: 263.516 ms

Loss rate: 1.24%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-25 23:09:26

End at: 2018-07-25 23:09:56

Local clock offset: -0.066 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-07-26 04:21:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.92 Mbit/s

95th percentile per-packet one-way delay: 121.403 ms

Loss rate: 2.93%

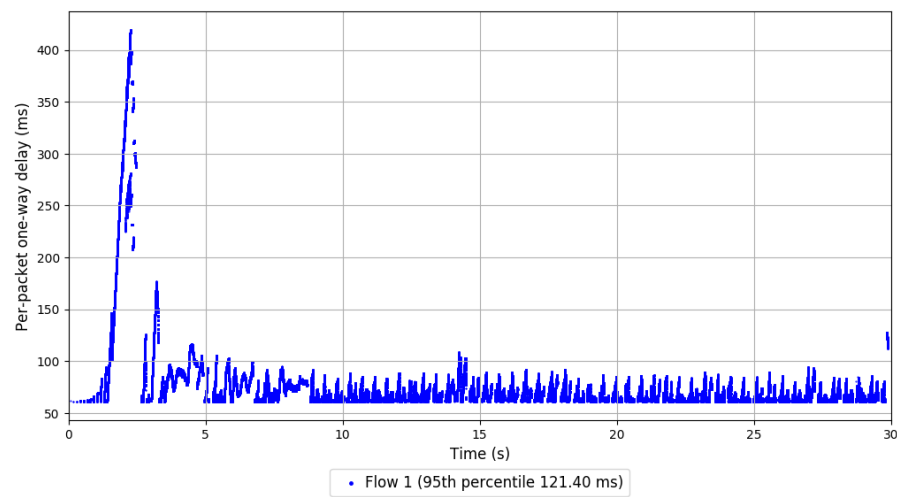
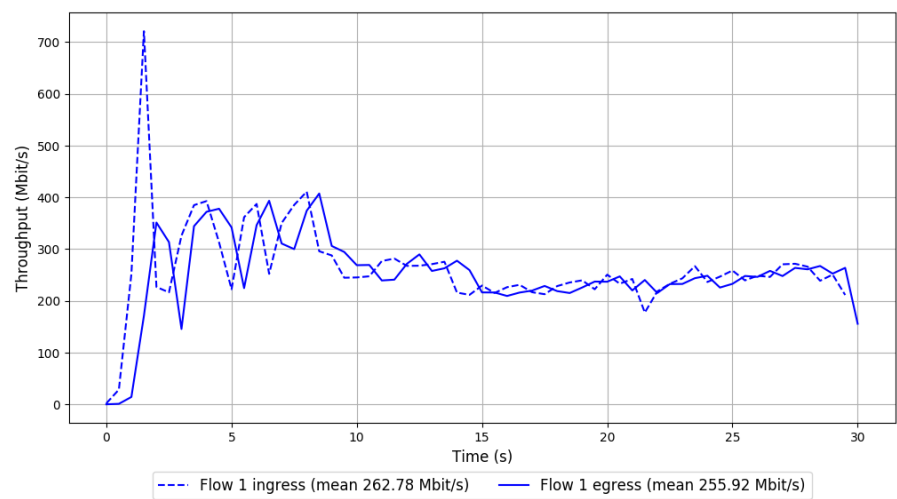
-- Flow 1:

Average throughput: 255.92 Mbit/s

95th percentile per-packet one-way delay: 121.403 ms

Loss rate: 2.93%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-25 23:31:31

End at: 2018-07-25 23:32:01

Local clock offset: -0.104 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-07-26 04:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.93 Mbit/s

95th percentile per-packet one-way delay: 232.554 ms

Loss rate: 1.83%

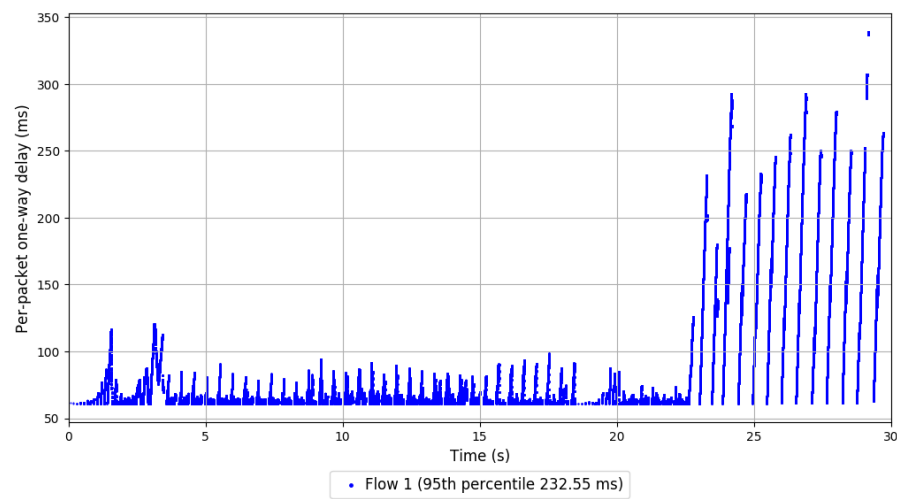
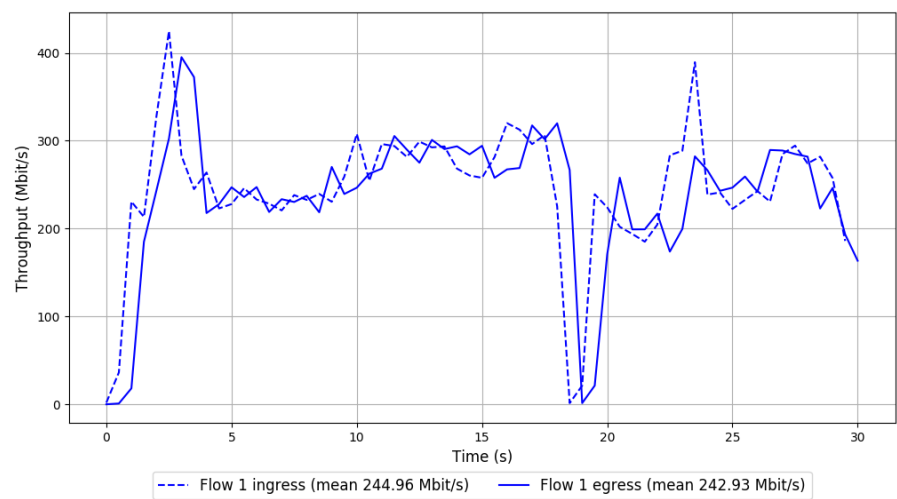
-- Flow 1:

Average throughput: 242.93 Mbit/s

95th percentile per-packet one-way delay: 232.554 ms

Loss rate: 1.83%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-25 23:53:48

End at: 2018-07-25 23:54:18

Local clock offset: -0.128 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-07-26 04:22:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.44 Mbit/s

95th percentile per-packet one-way delay: 109.935 ms

Loss rate: 1.29%

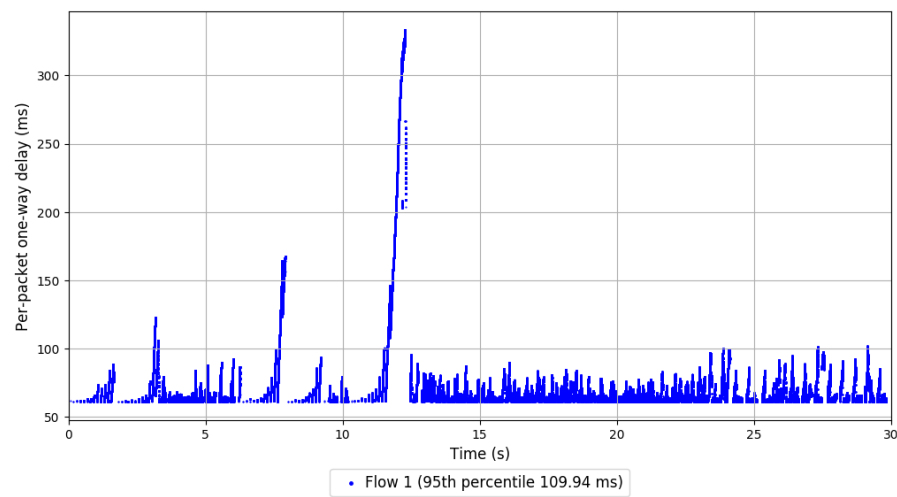
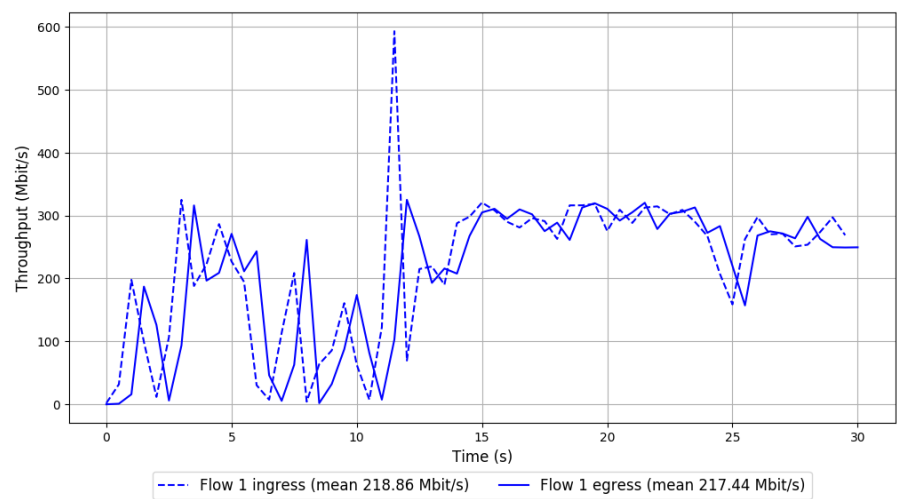
-- Flow 1:

Average throughput: 217.44 Mbit/s

95th percentile per-packet one-way delay: 109.935 ms

Loss rate: 1.29%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-26 00:15:57

End at: 2018-07-26 00:16:27

Local clock offset: -0.157 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-07-26 04:22:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.91 Mbit/s

95th percentile per-packet one-way delay: 153.053 ms

Loss rate: 0.51%

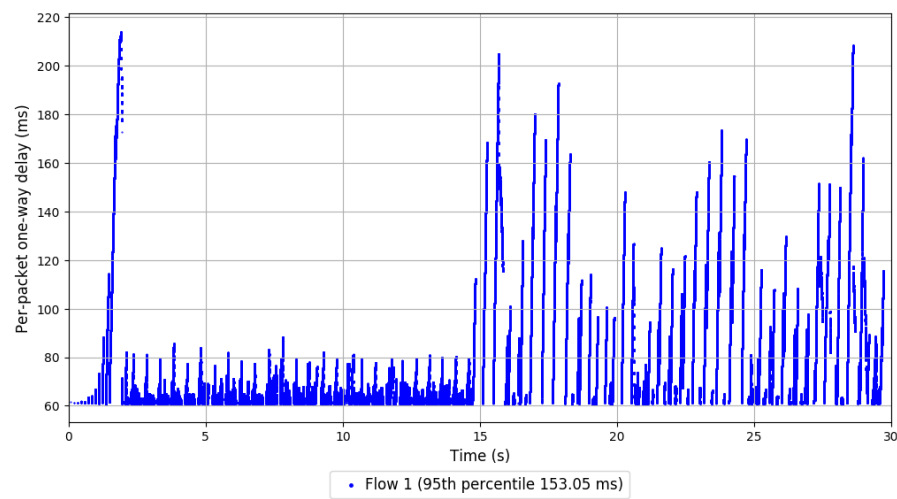
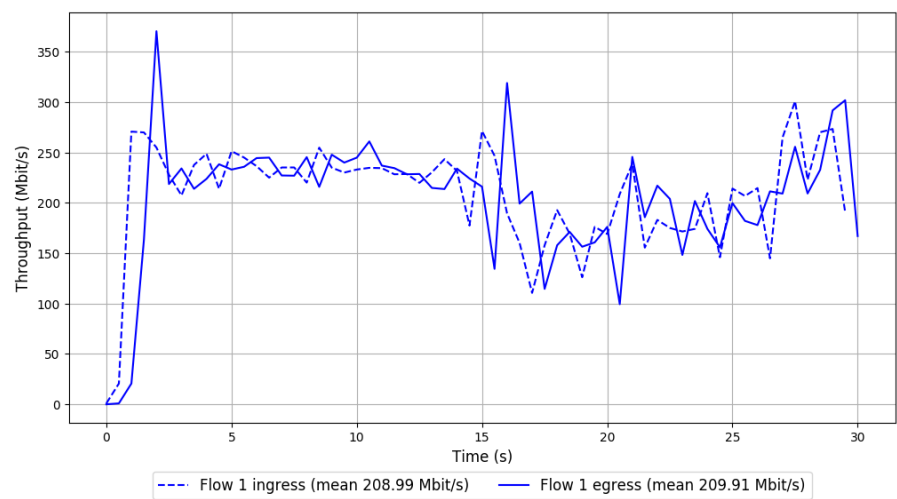
-- Flow 1:

Average throughput: 209.91 Mbit/s

95th percentile per-packet one-way delay: 153.053 ms

Loss rate: 0.51%

Run 5: Report of Verus — Data Link

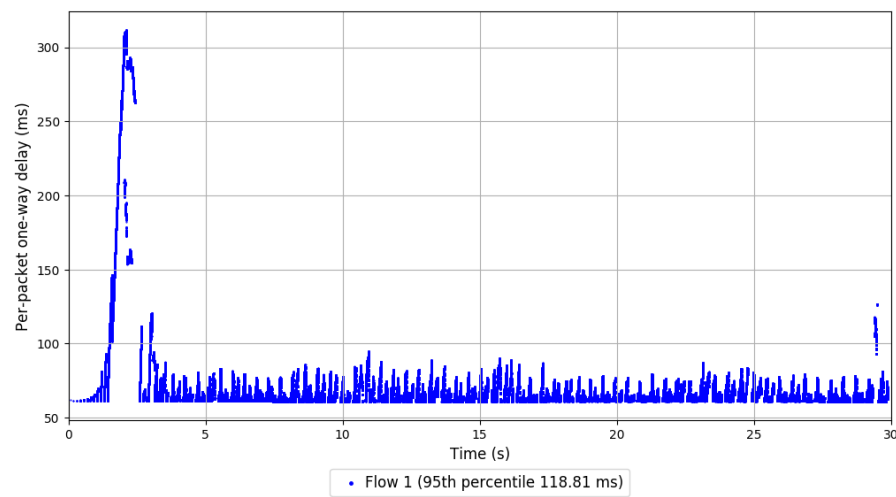
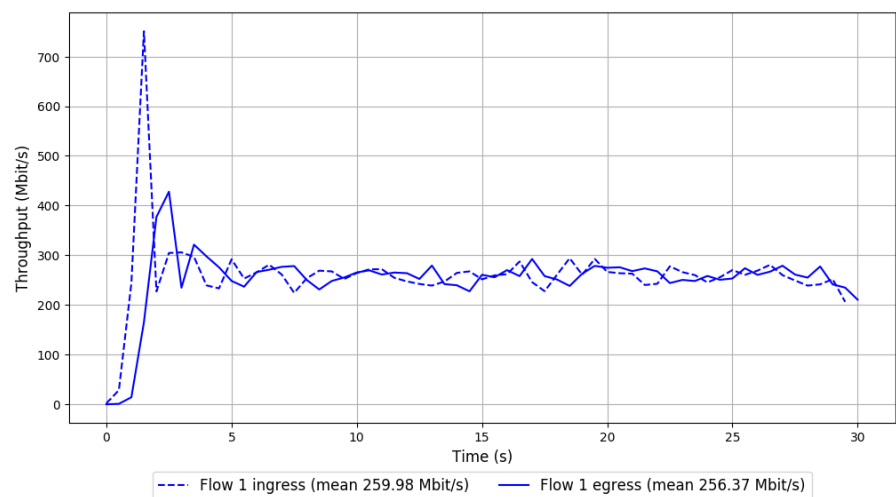


Run 6: Statistics of Verus

Start at: 2018-07-26 00:38:09
End at: 2018-07-26 00:38:39
Local clock offset: -0.043 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-26 04:23:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.37 Mbit/s
95th percentile per-packet one-way delay: 118.812 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 256.37 Mbit/s
95th percentile per-packet one-way delay: 118.812 ms
Loss rate: 1.80%

Run 6: Report of Verus — Data Link

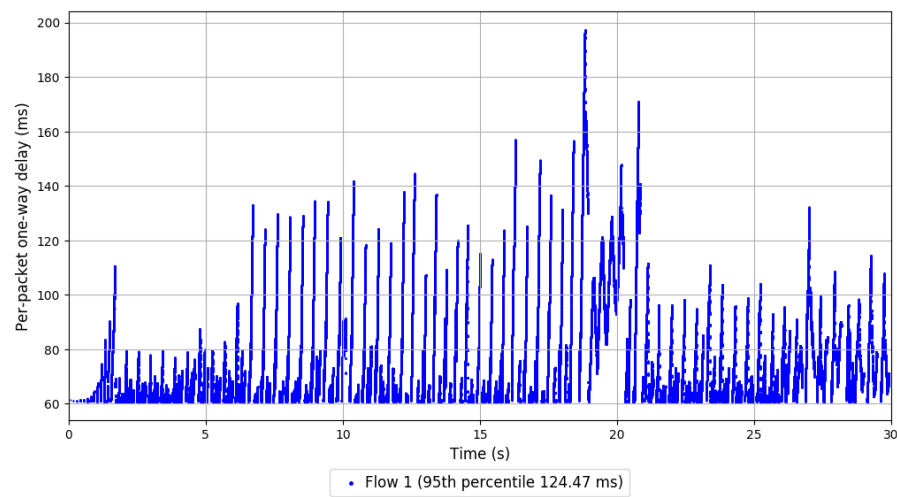
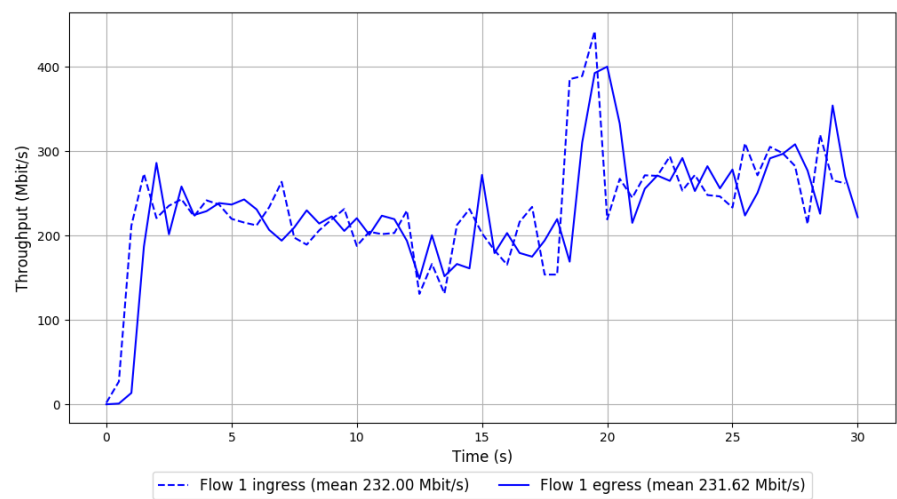


Run 7: Statistics of Verus

Start at: 2018-07-26 01:00:35
End at: 2018-07-26 01:01:06
Local clock offset: -0.043 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-26 04:23:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.62 Mbit/s
95th percentile per-packet one-way delay: 124.473 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 231.62 Mbit/s
95th percentile per-packet one-way delay: 124.473 ms
Loss rate: 0.29%

Run 7: Report of Verus — Data Link

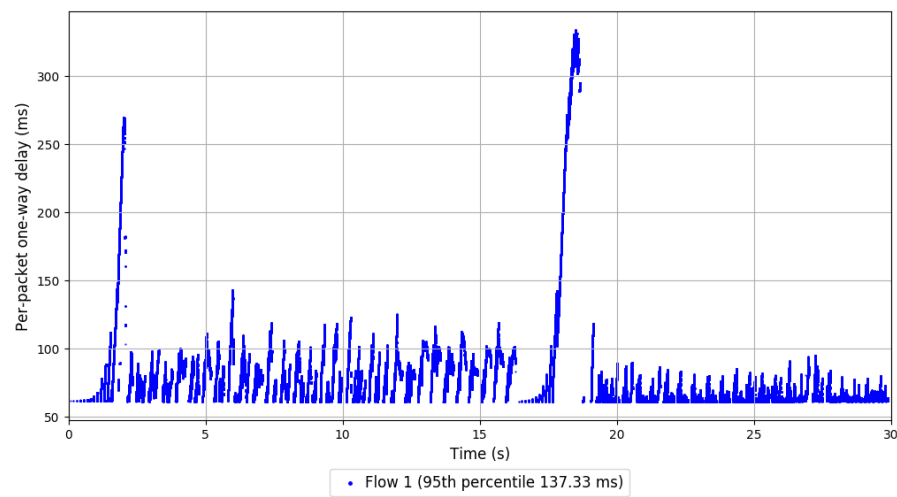
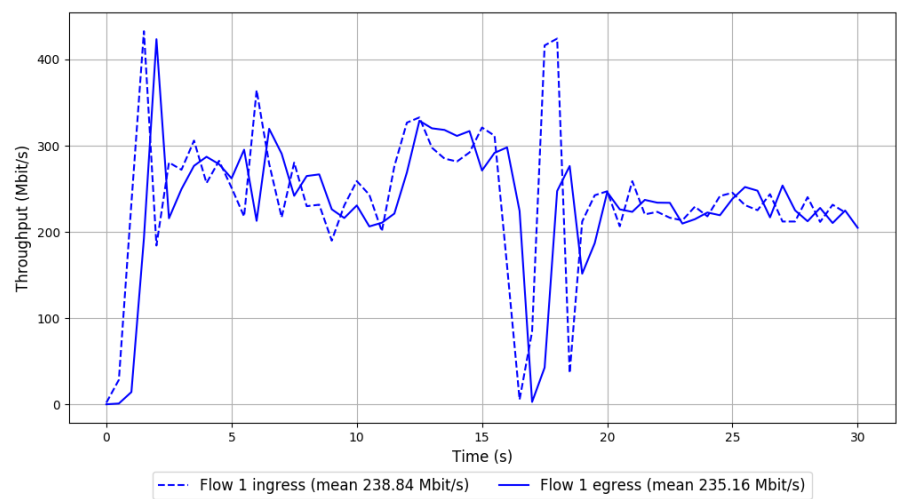


Run 8: Statistics of Verus

Start at: 2018-07-26 01:22:50
End at: 2018-07-26 01:23:20
Local clock offset: -0.056 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2018-07-26 04:24:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.16 Mbit/s
95th percentile per-packet one-way delay: 137.331 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 235.16 Mbit/s
95th percentile per-packet one-way delay: 137.331 ms
Loss rate: 2.01%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-26 01:45:07

End at: 2018-07-26 01:45:37

Local clock offset: -0.063 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-26 04:25:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.57 Mbit/s

95th percentile per-packet one-way delay: 107.705 ms

Loss rate: 0.67%

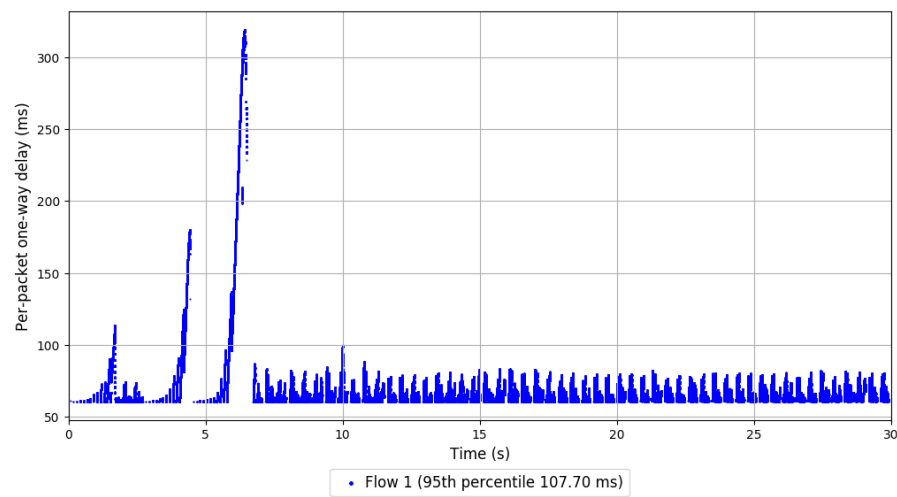
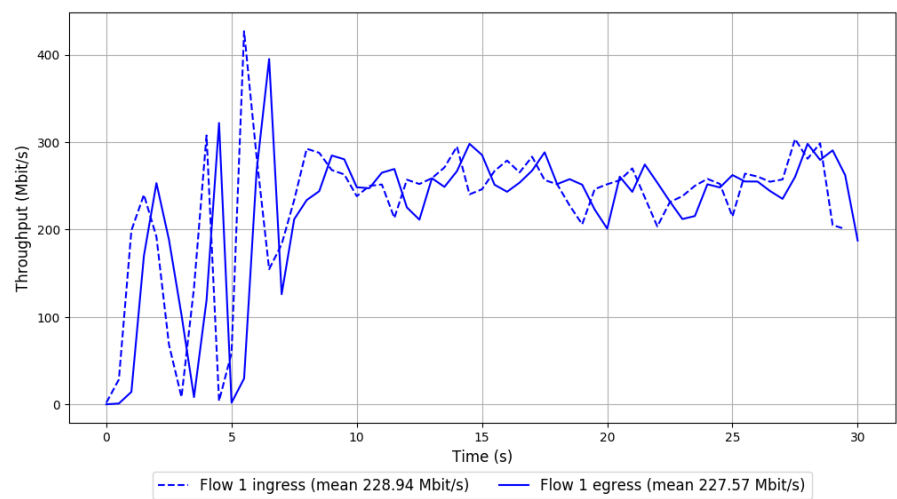
-- Flow 1:

Average throughput: 227.57 Mbit/s

95th percentile per-packet one-way delay: 107.705 ms

Loss rate: 0.67%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-26 02:07:20

End at: 2018-07-26 02:07:50

Local clock offset: -0.068 ms

Remote clock offset: 0.06 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.03 Mbit/s

95th percentile per-packet one-way delay: 128.789 ms

Loss rate: 1.21%

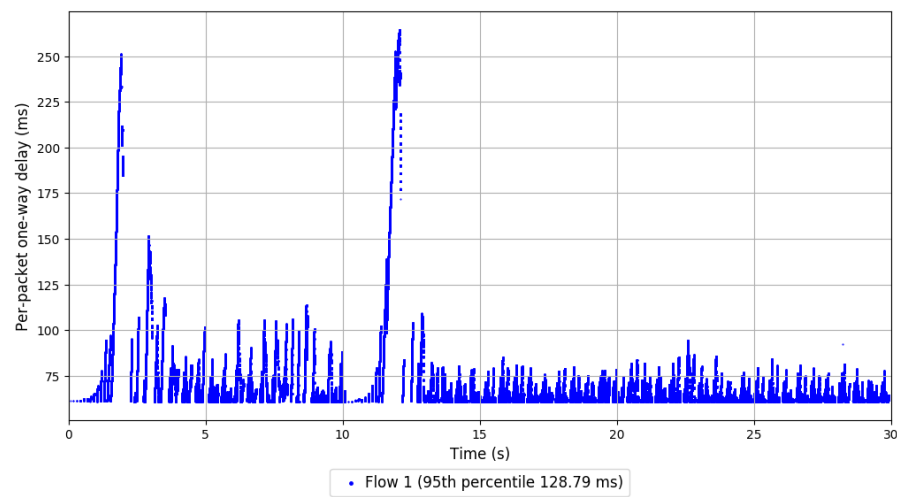
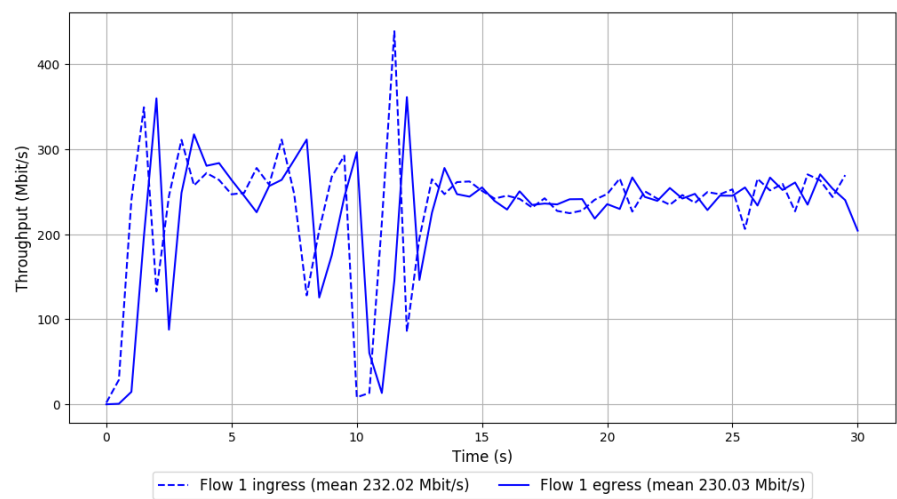
-- Flow 1:

Average throughput: 230.03 Mbit/s

95th percentile per-packet one-way delay: 128.789 ms

Loss rate: 1.21%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-25 22:59:36

End at: 2018-07-25 23:00:06

Local clock offset: -0.14 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-26 04:29:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.79 Mbit/s

95th percentile per-packet one-way delay: 79.293 ms

Loss rate: 0.55%

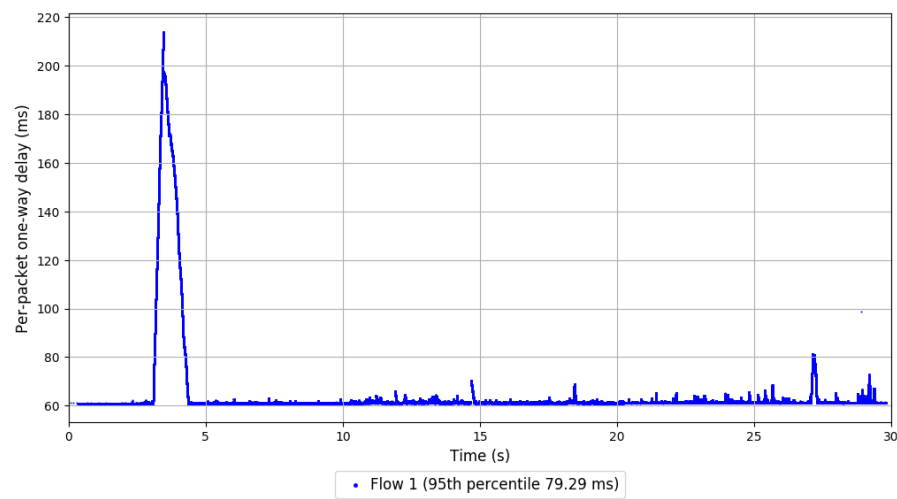
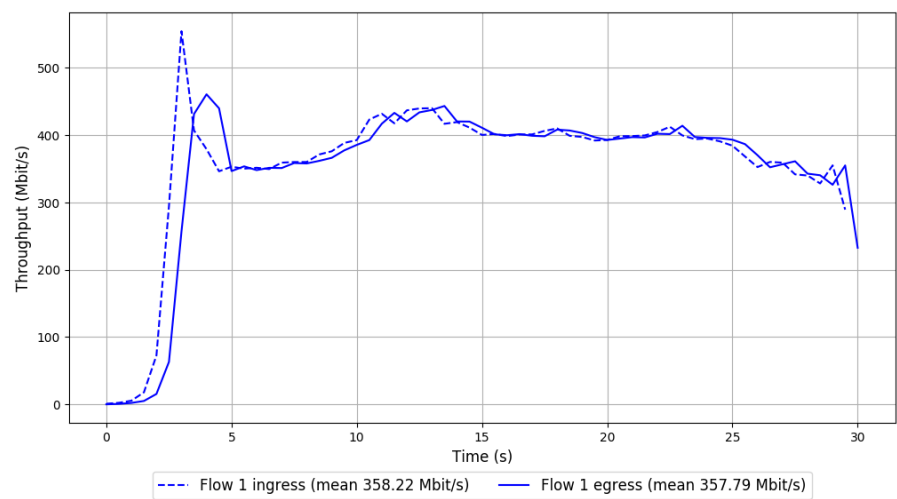
-- Flow 1:

Average throughput: 357.79 Mbit/s

95th percentile per-packet one-way delay: 79.293 ms

Loss rate: 0.55%

Run 1: Report of PCC-Vivace — Data Link

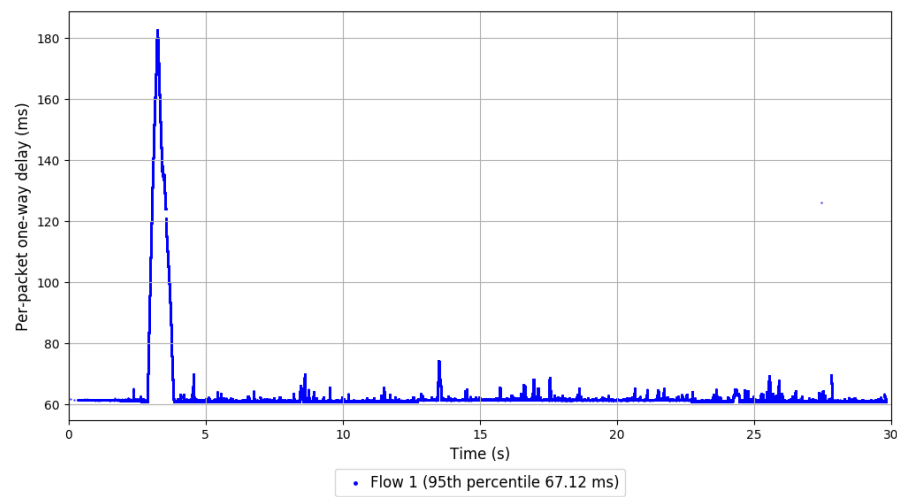
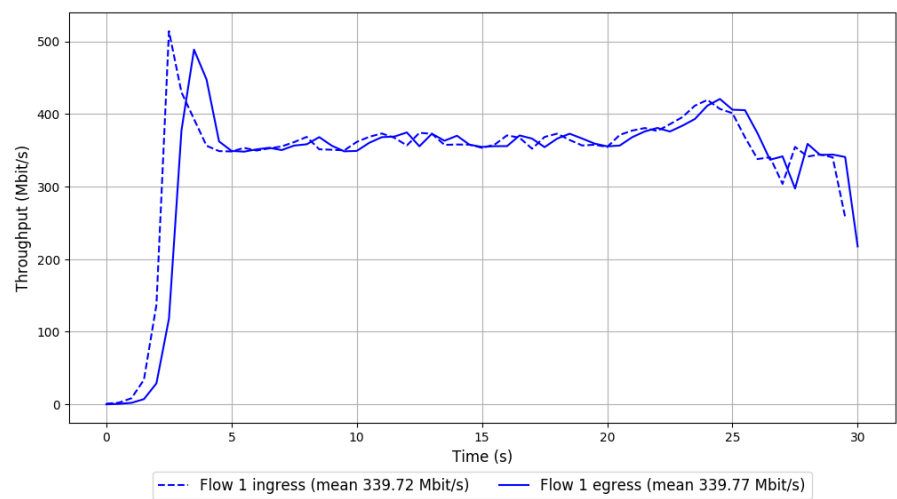


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 23:21:14
End at: 2018-07-25 23:21:44
Local clock offset: -0.121 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-26 04:29:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.77 Mbit/s
95th percentile per-packet one-way delay: 67.121 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 339.77 Mbit/s
95th percentile per-packet one-way delay: 67.121 ms
Loss rate: 0.40%

Run 2: Report of PCC-Vivace — Data Link

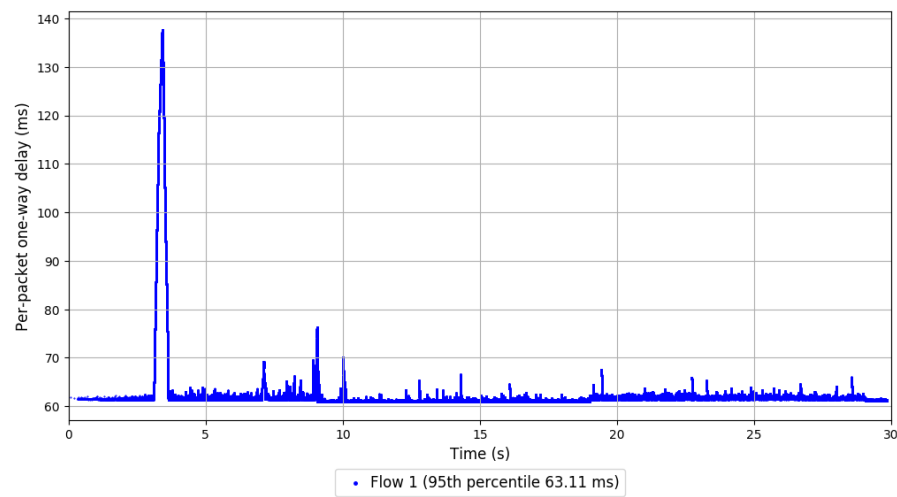
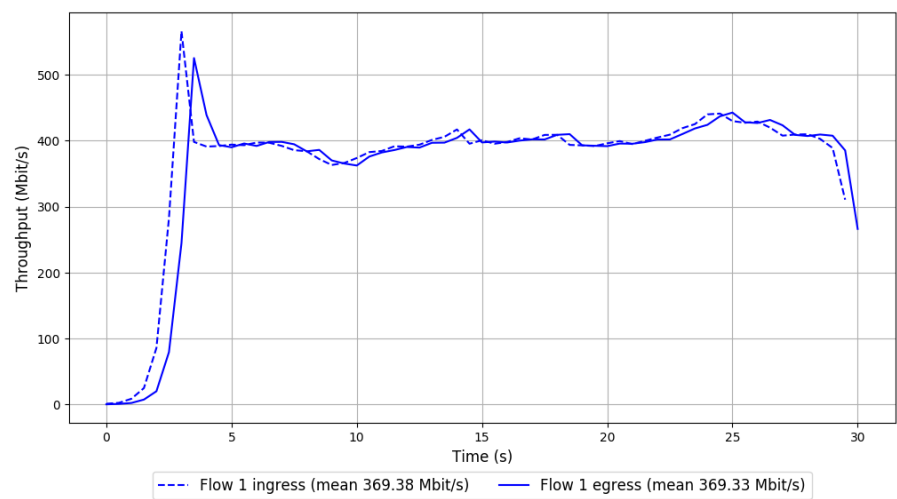


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 23:43:36
End at: 2018-07-25 23:44:06
Local clock offset: -0.117 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-26 04:30:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 369.33 Mbit/s
95th percentile per-packet one-way delay: 63.112 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 369.33 Mbit/s
95th percentile per-packet one-way delay: 63.112 ms
Loss rate: 0.43%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-26 00:05:43

End at: 2018-07-26 00:06:13

Local clock offset: -0.146 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-26 04:31:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.62 Mbit/s

95th percentile per-packet one-way delay: 119.917 ms

Loss rate: 0.58%

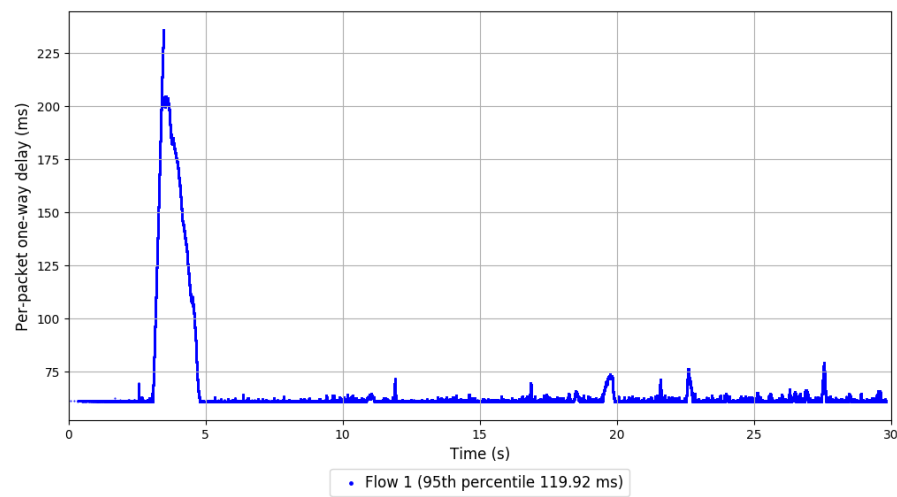
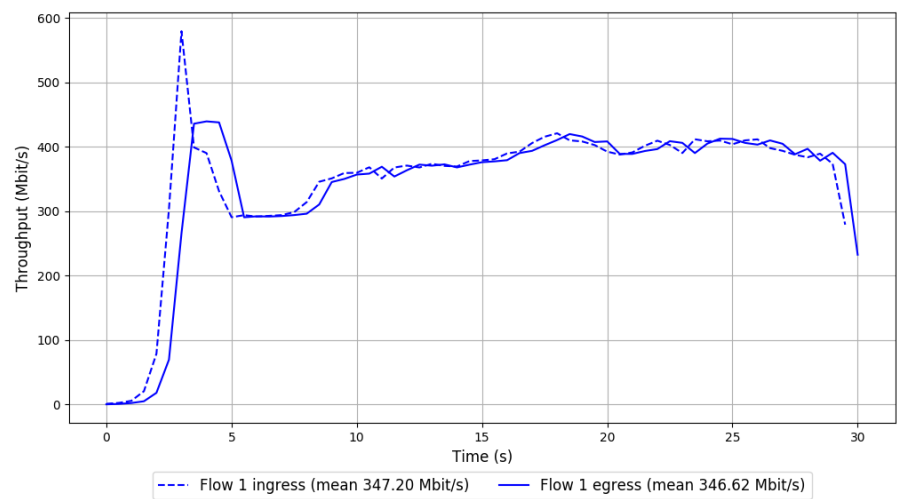
-- Flow 1:

Average throughput: 346.62 Mbit/s

95th percentile per-packet one-way delay: 119.917 ms

Loss rate: 0.58%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-26 00:27:57

End at: 2018-07-26 00:28:27

Local clock offset: -0.096 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-07-26 04:31:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.94 Mbit/s

95th percentile per-packet one-way delay: 65.714 ms

Loss rate: 0.43%

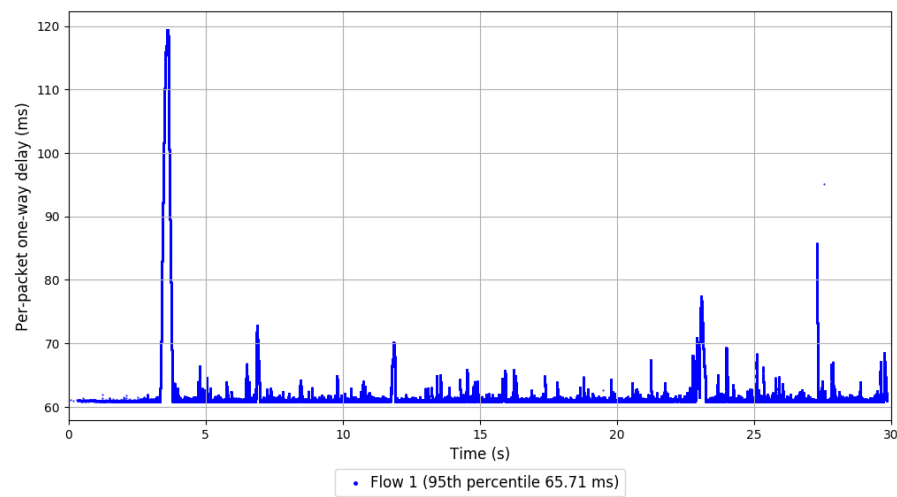
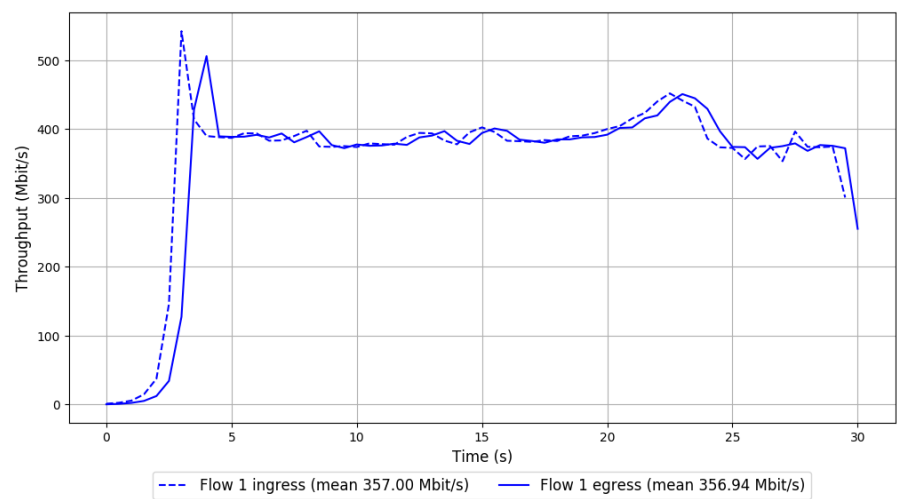
-- Flow 1:

Average throughput: 356.94 Mbit/s

95th percentile per-packet one-way delay: 65.714 ms

Loss rate: 0.43%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-26 00:50:22

End at: 2018-07-26 00:50:52

Local clock offset: -0.034 ms

Remote clock offset: -1.4 ms

Below is generated by plot.py at 2018-07-26 04:31:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.98 Mbit/s

95th percentile per-packet one-way delay: 106.381 ms

Loss rate: 0.40%

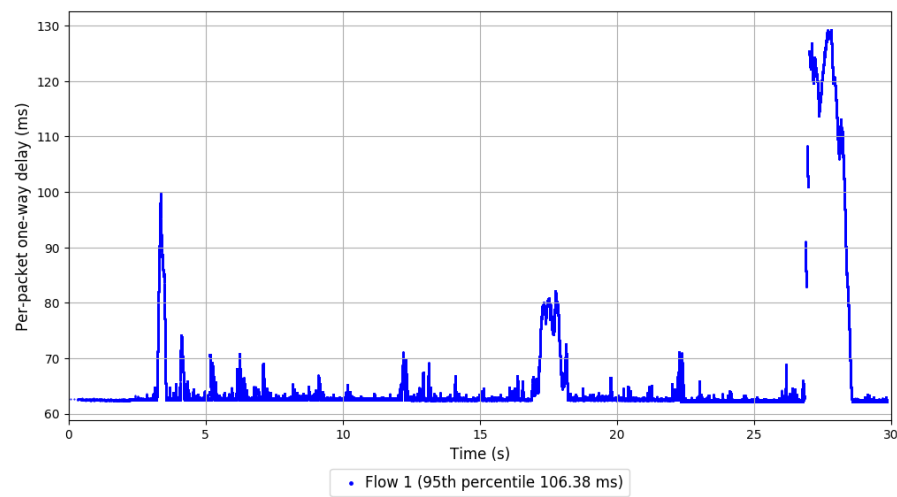
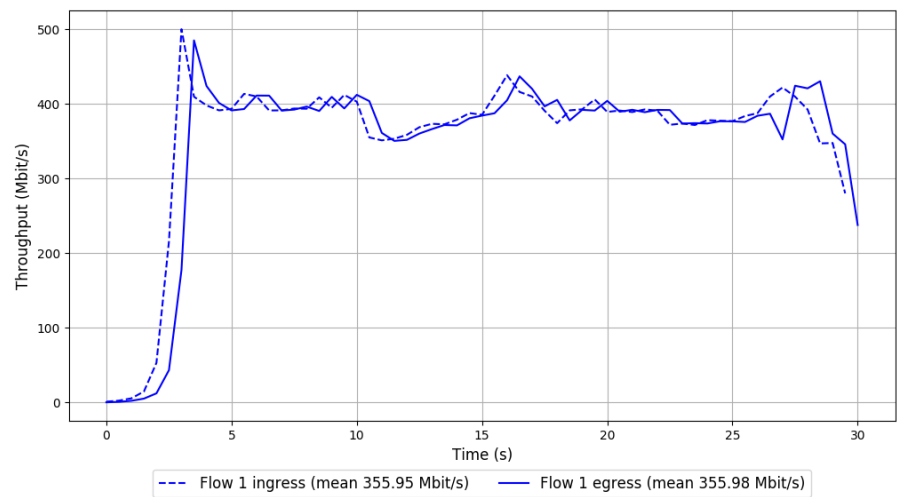
-- Flow 1:

Average throughput: 355.98 Mbit/s

95th percentile per-packet one-way delay: 106.381 ms

Loss rate: 0.40%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-26 01:12:41

End at: 2018-07-26 01:13:11

Local clock offset: -0.07 ms

Remote clock offset: 1.247 ms

Below is generated by plot.py at 2018-07-26 04:31:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.08 Mbit/s

95th percentile per-packet one-way delay: 60.701 ms

Loss rate: 0.43%

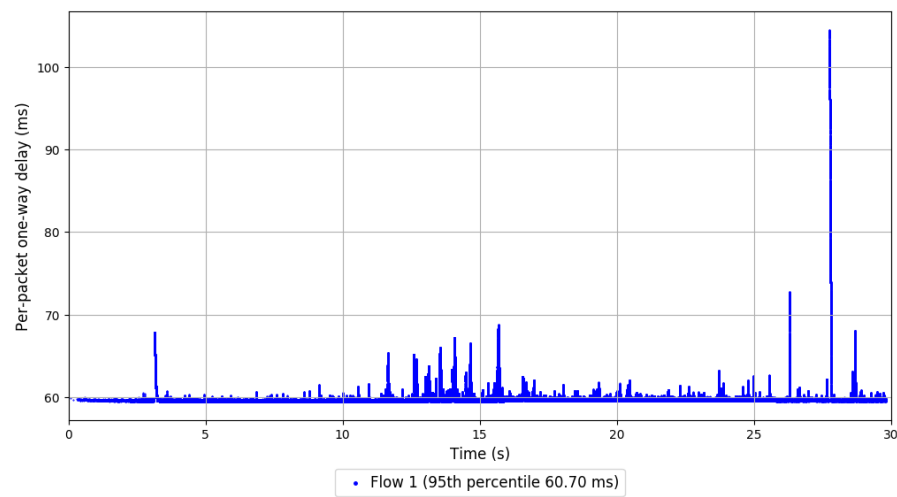
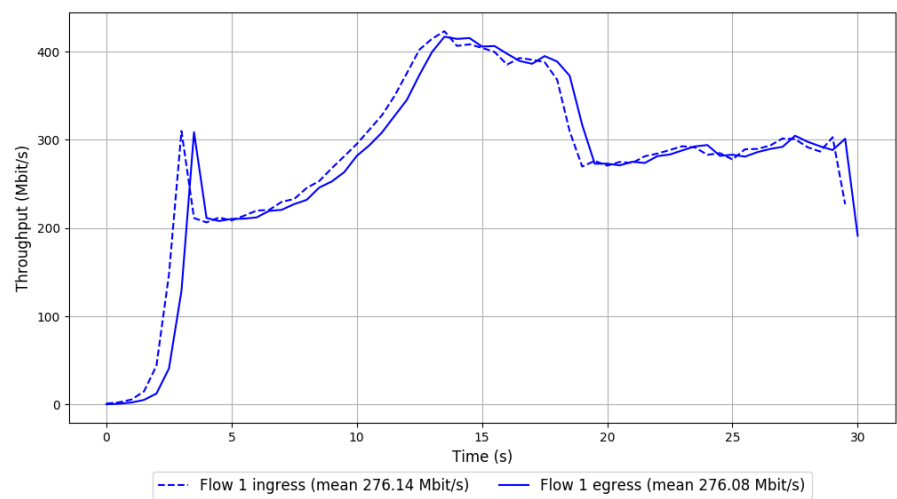
-- Flow 1:

Average throughput: 276.08 Mbit/s

95th percentile per-packet one-way delay: 60.701 ms

Loss rate: 0.43%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-26 01:34:58

End at: 2018-07-26 01:35:28

Local clock offset: -0.016 ms

Remote clock offset: 1.22 ms

Below is generated by plot.py at 2018-07-26 04:31:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.97 Mbit/s

95th percentile per-packet one-way delay: 63.268 ms

Loss rate: 0.55%

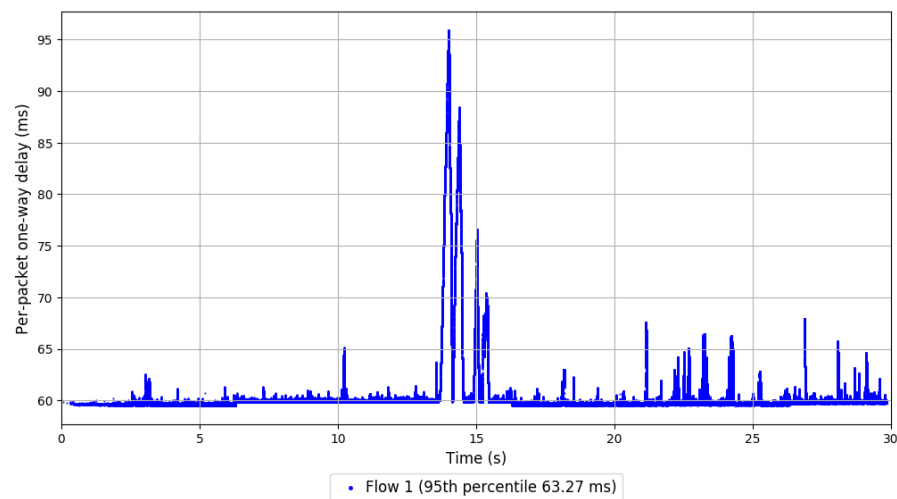
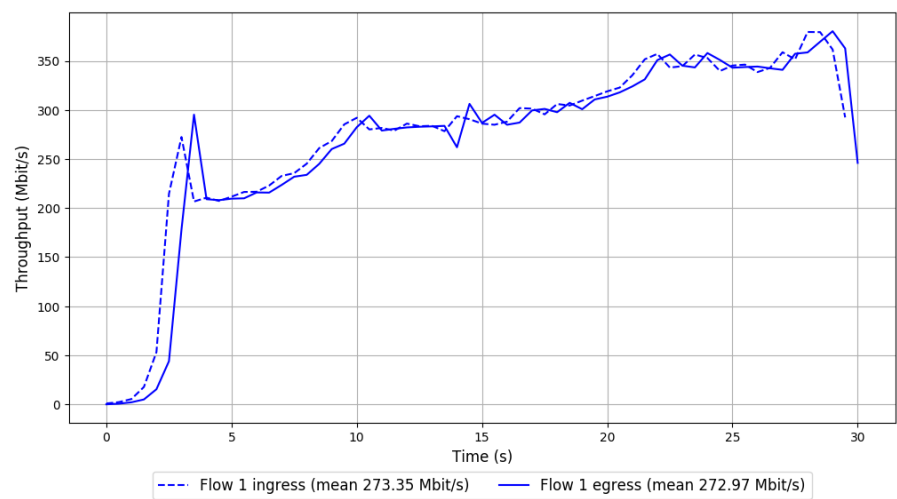
-- Flow 1:

Average throughput: 272.97 Mbit/s

95th percentile per-packet one-way delay: 63.268 ms

Loss rate: 0.55%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-26 01:57:08

End at: 2018-07-26 01:57:38

Local clock offset: -0.062 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-26 04:32:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.46 Mbit/s

95th percentile per-packet one-way delay: 107.637 ms

Loss rate: 0.44%

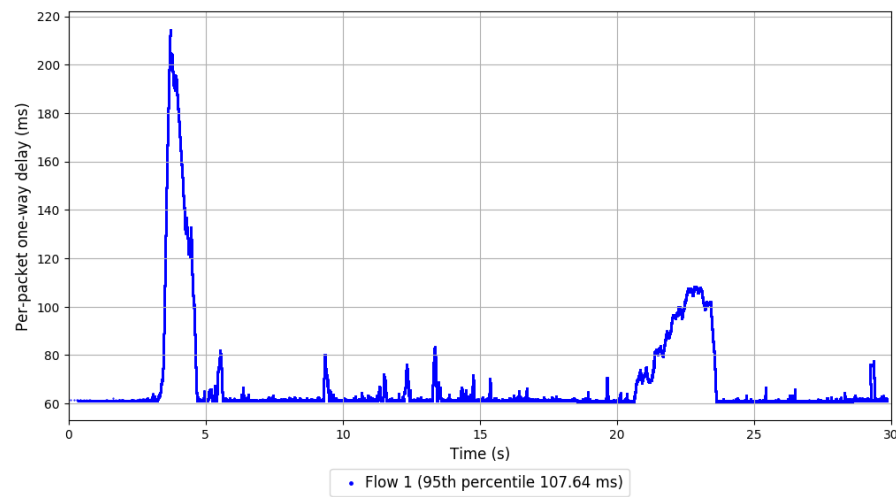
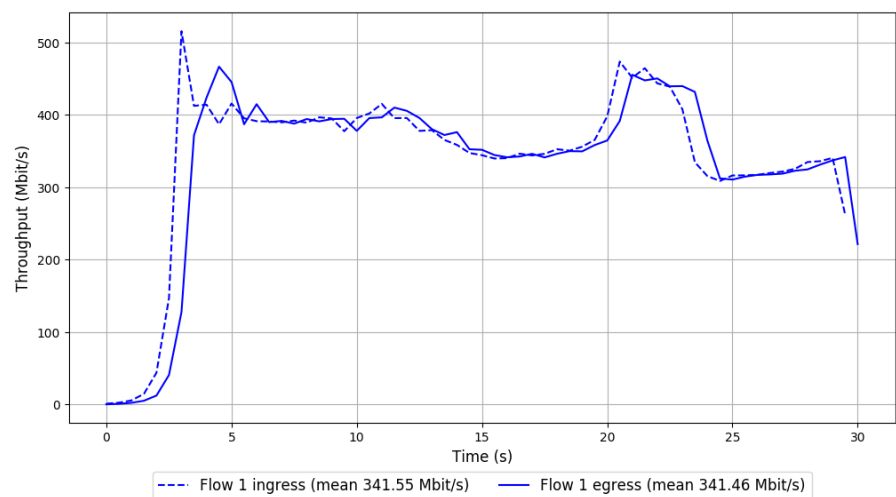
-- Flow 1:

Average throughput: 341.46 Mbit/s

95th percentile per-packet one-way delay: 107.637 ms

Loss rate: 0.44%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-26 02:19:21

End at: 2018-07-26 02:19:51

Local clock offset: -0.005 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-07-26 04:32:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.85 Mbit/s

95th percentile per-packet one-way delay: 85.125 ms

Loss rate: 0.85%

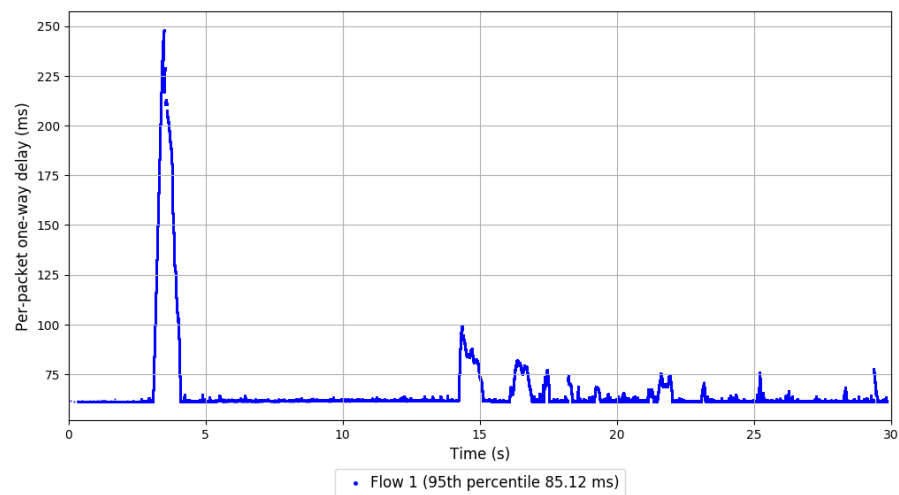
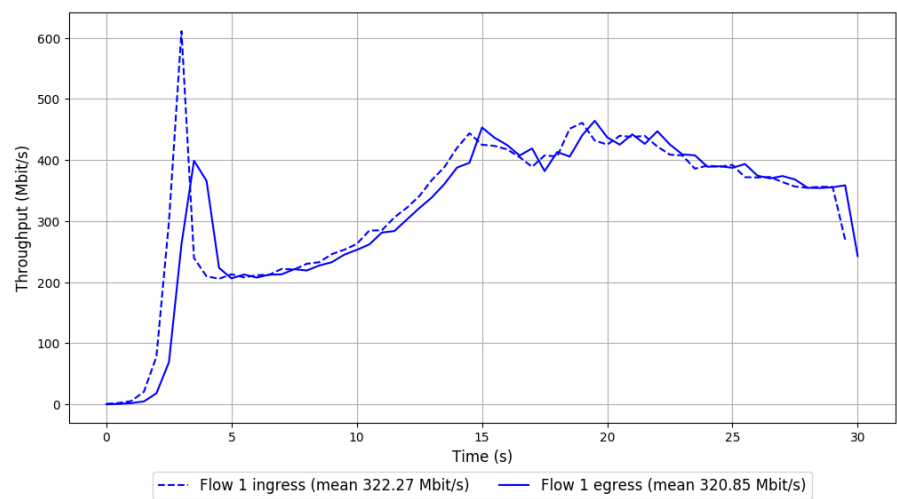
-- Flow 1:

Average throughput: 320.85 Mbit/s

95th percentile per-packet one-way delay: 85.125 ms

Loss rate: 0.85%

Run 10: Report of PCC-Vivace — Data Link

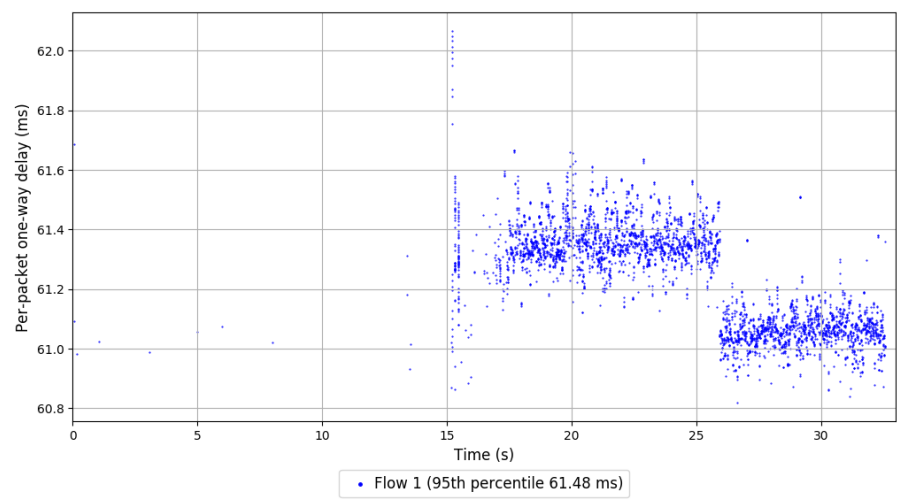
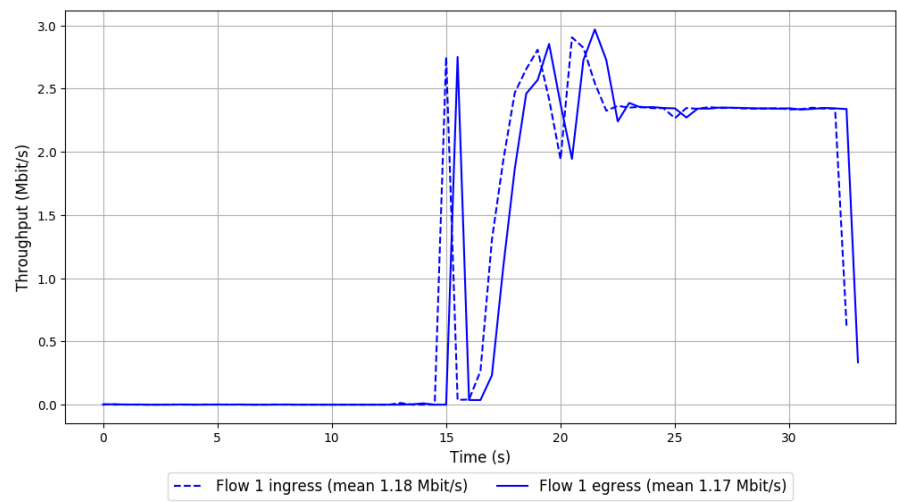


Run 1: Statistics of WebRTC media

Start at: 2018-07-25 23:02:23
End at: 2018-07-25 23:02:53
Local clock offset: -0.112 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-26 04:32:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 61.477 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 61.477 ms
Loss rate: 0.79%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-25 23:24:03

End at: 2018-07-25 23:24:33

Local clock offset: -0.124 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-07-26 04:32:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 61.223 ms

Loss rate: 0.49%

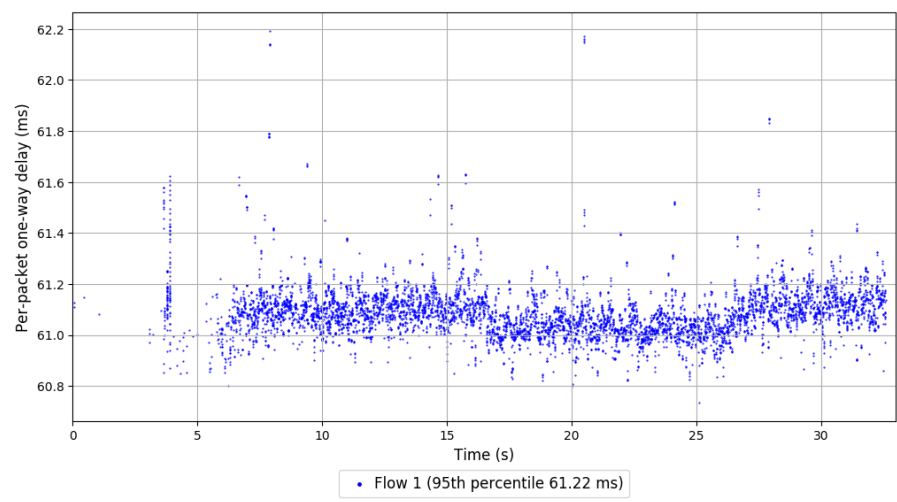
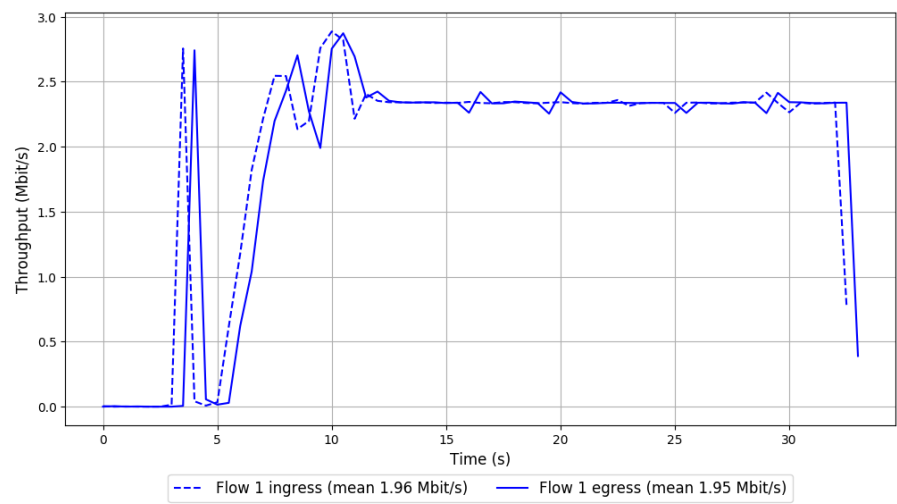
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 61.223 ms

Loss rate: 0.49%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-25 23:46:26

End at: 2018-07-25 23:46:56

Local clock offset: -0.117 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-26 04:32:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 61.363 ms

Loss rate: 0.49%

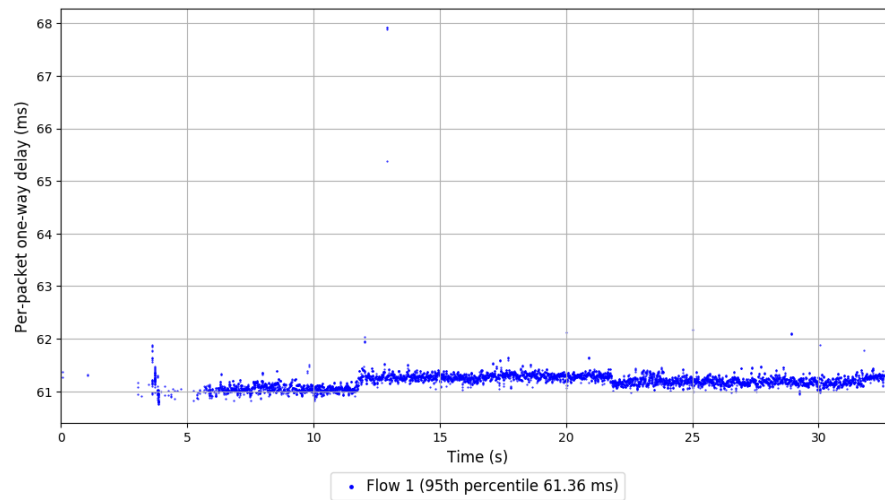
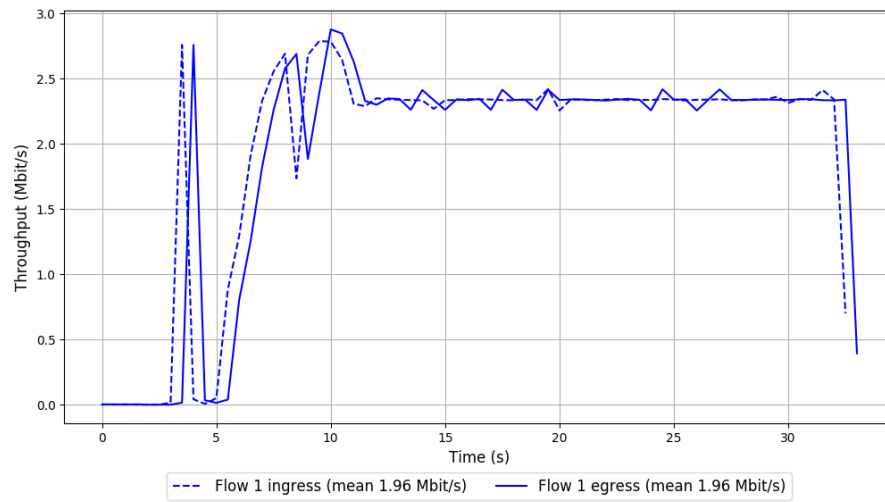
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 61.363 ms

Loss rate: 0.49%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-26 00:08:32

End at: 2018-07-26 00:09:02

Local clock offset: -0.115 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-26 04:32:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.691 ms

Loss rate: 0.44%

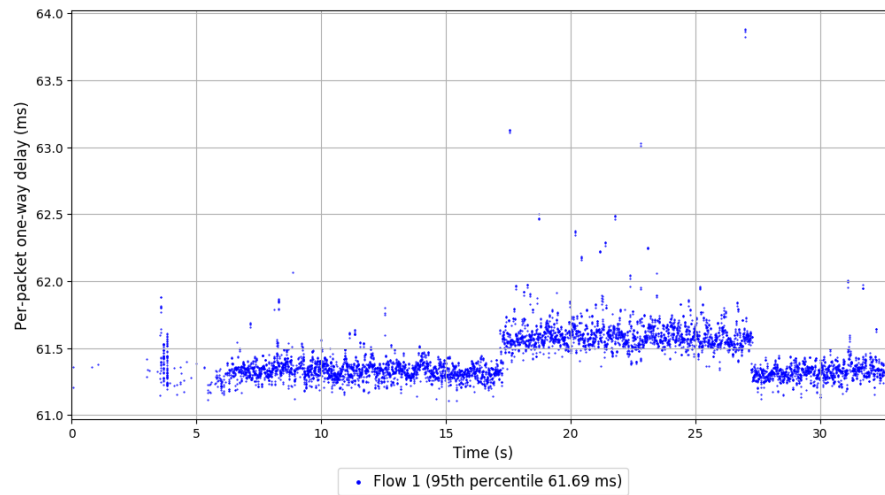
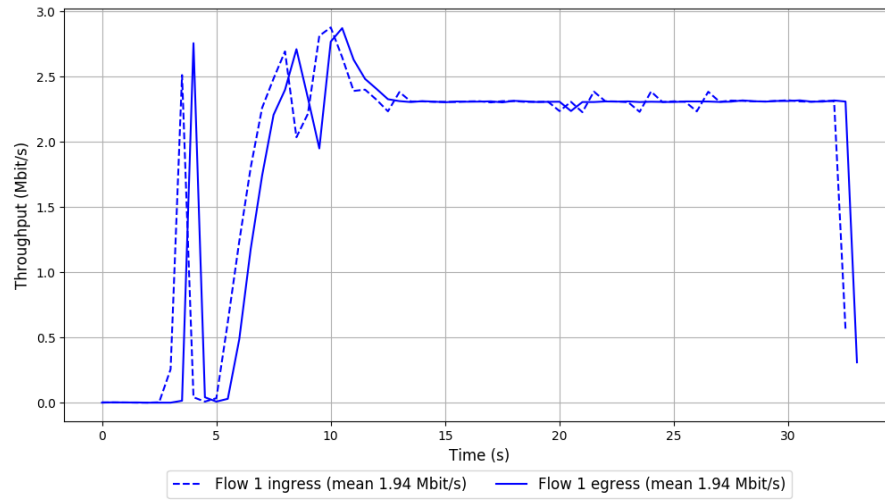
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.691 ms

Loss rate: 0.44%

Run 4: Report of WebRTC media — Data Link

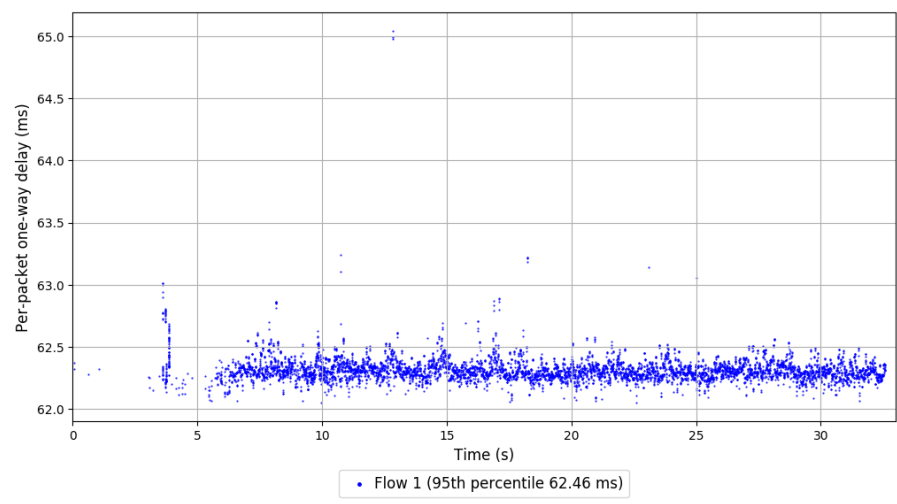
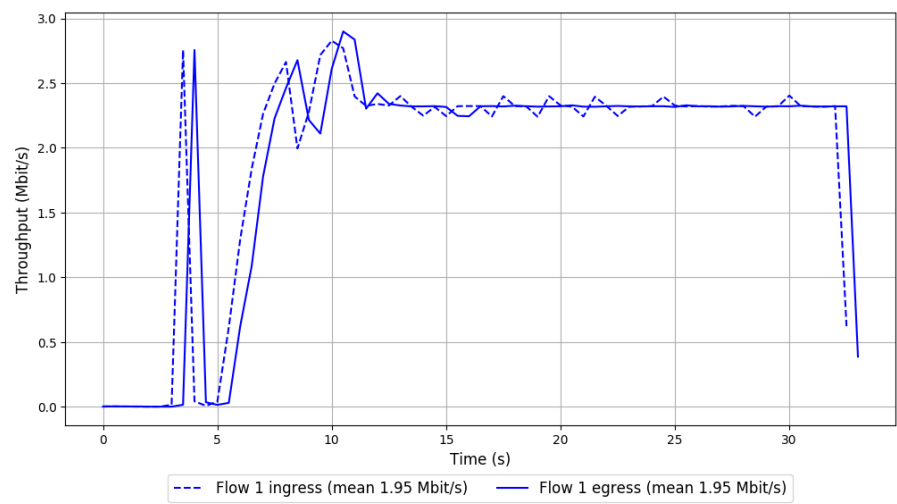


Run 5: Statistics of WebRTC media

Start at: 2018-07-26 00:30:47
End at: 2018-07-26 00:31:17
Local clock offset: -0.069 ms
Remote clock offset: -1.316 ms

Below is generated by plot.py at 2018-07-26 04:32:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 62.463 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 62.463 ms
Loss rate: 0.43%

Run 5: Report of WebRTC media — Data Link

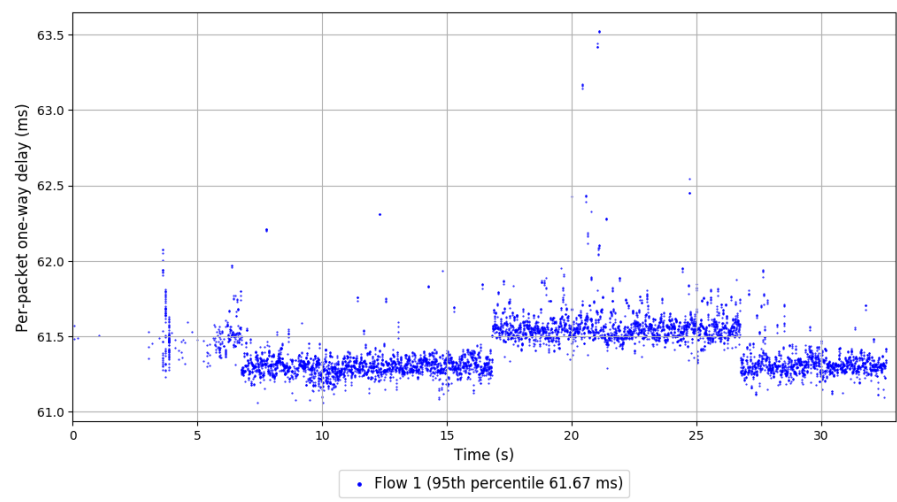
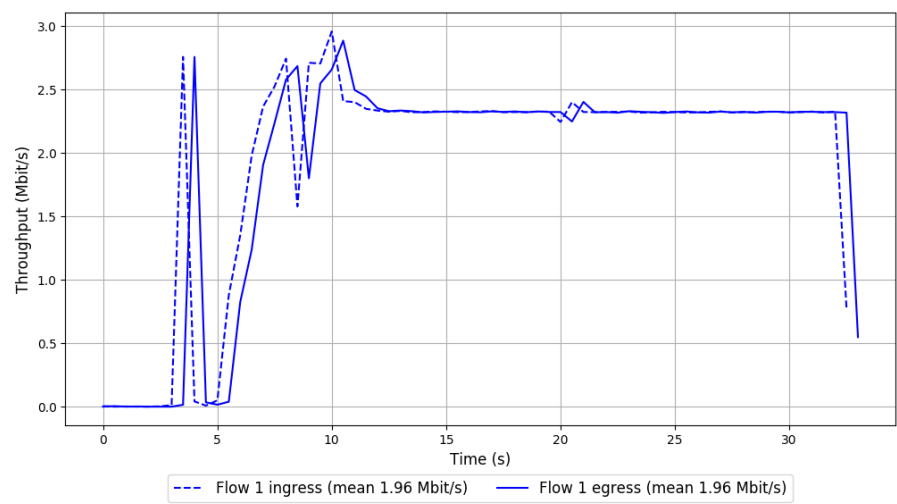


Run 6: Statistics of WebRTC media

Start at: 2018-07-26 00:53:13
End at: 2018-07-26 00:53:43
Local clock offset: -0.039 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-26 04:32:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 61.673 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 61.673 ms
Loss rate: 0.42%

Run 6: Report of WebRTC media — Data Link

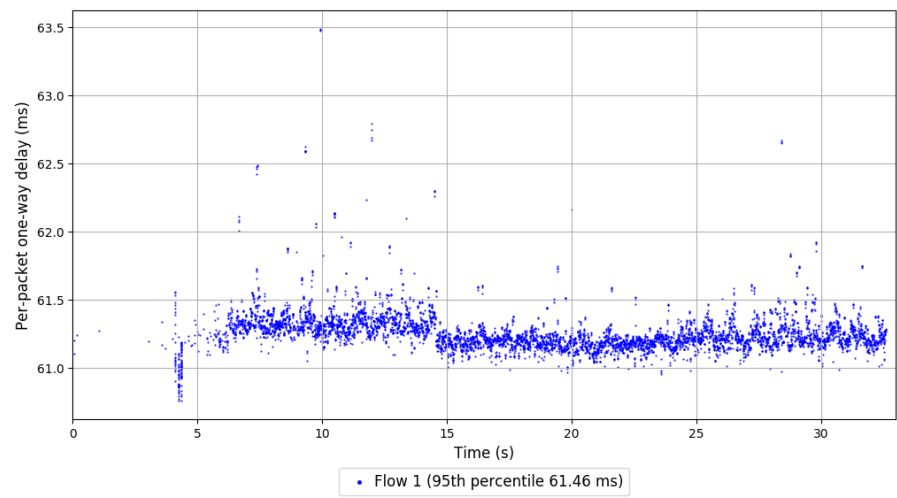
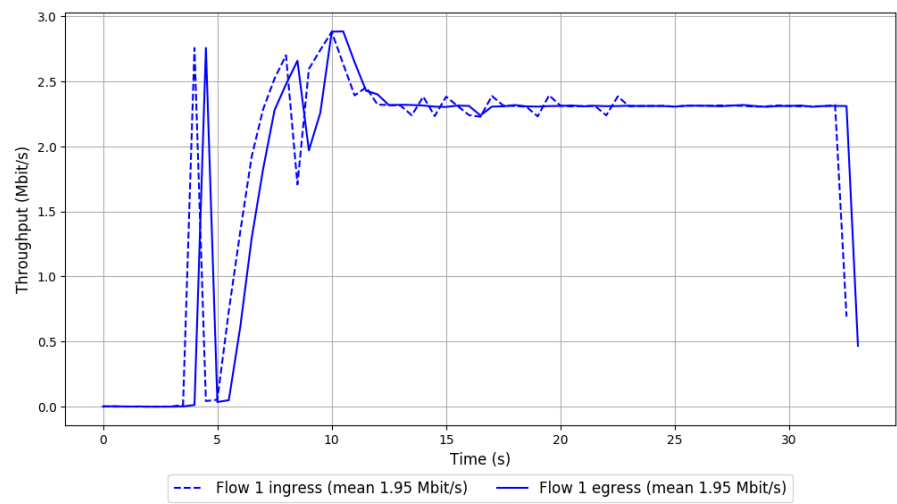


Run 7: Statistics of WebRTC media

Start at: 2018-07-26 01:15:25
End at: 2018-07-26 01:15:55
Local clock offset: -0.041 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-26 04:32:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.461 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.461 ms
Loss rate: 0.42%

Run 7: Report of WebRTC media — Data Link

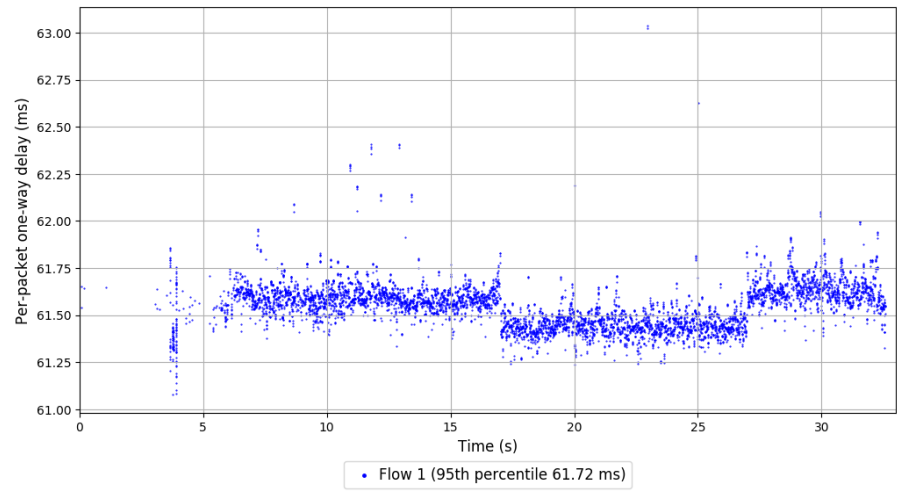
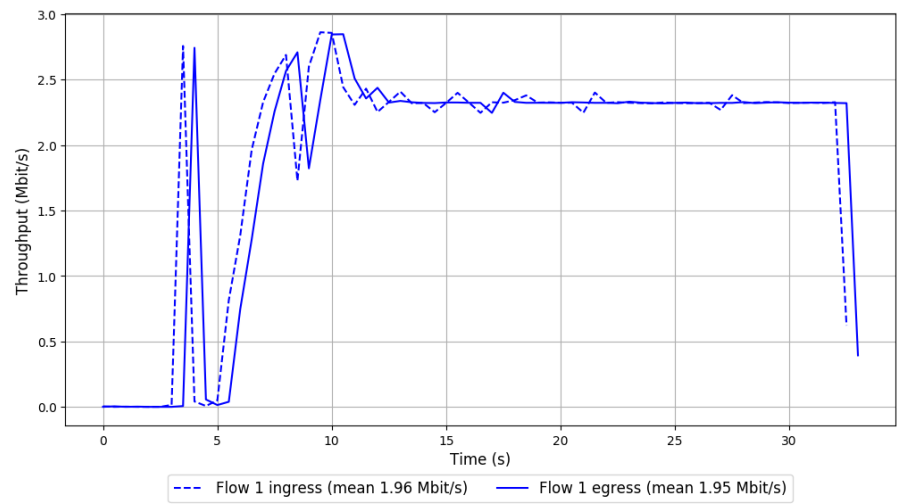


Run 8: Statistics of WebRTC media

Start at: 2018-07-26 01:37:43
End at: 2018-07-26 01:38:13
Local clock offset: -0.039 ms
Remote clock offset: -0.404 ms

Below is generated by plot.py at 2018-07-26 04:32:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.716 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.716 ms
Loss rate: 0.43%

Run 8: Report of WebRTC media — Data Link

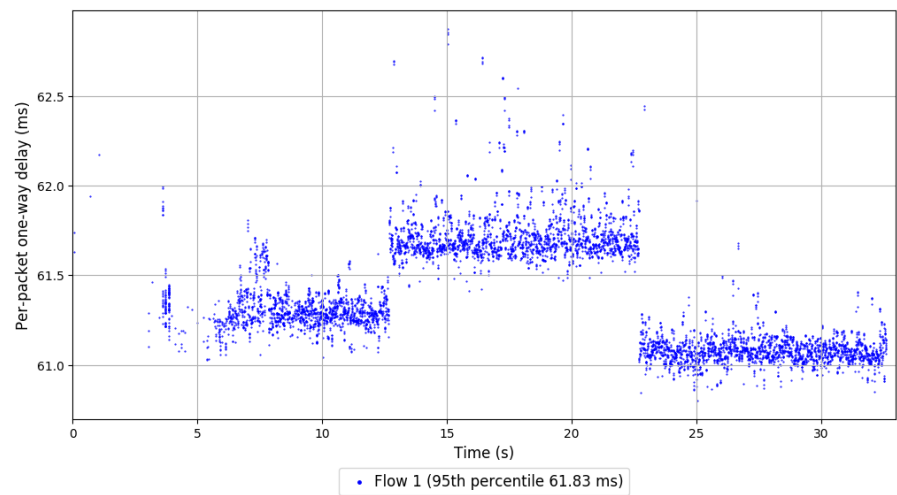
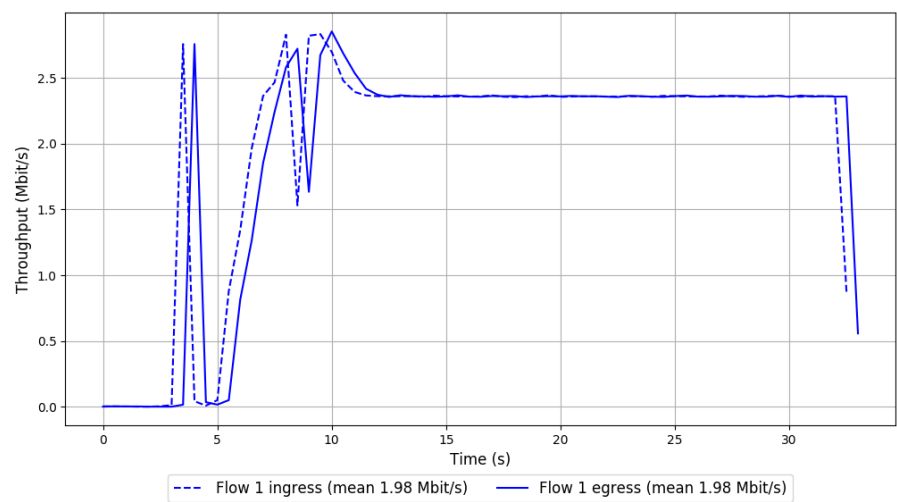


Run 9: Statistics of WebRTC media

Start at: 2018-07-26 01:59:57
End at: 2018-07-26 02:00:27
Local clock offset: -0.031 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-26 04:32:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 61.828 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 61.828 ms
Loss rate: 0.49%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-26 02:22:09

End at: 2018-07-26 02:22:39

Local clock offset: -0.045 ms

Remote clock offset: -1.33 ms

Below is generated by plot.py at 2018-07-26 04:32:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 62.780 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 62.780 ms

Loss rate: 0.43%

Run 10: Report of WebRTC media — Data Link

