

Pantheon Report

Generated at 2018-07-11 14:33:43 (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.

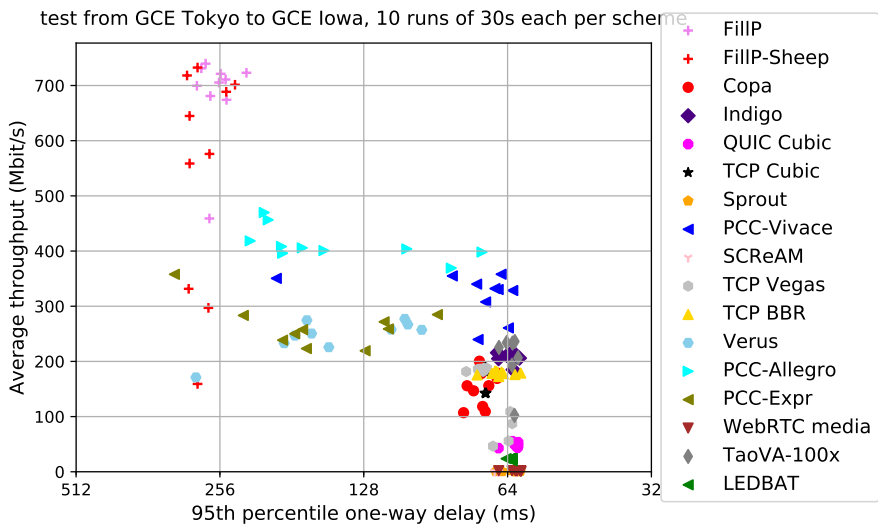
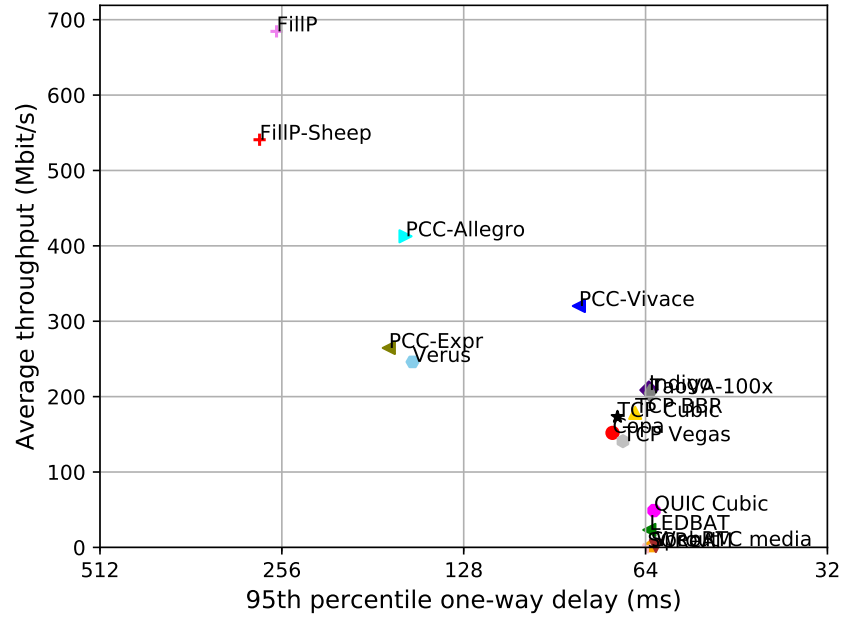
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/llp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/llp-sheep @ 37162fe9af85249aaccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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-quick @ 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)



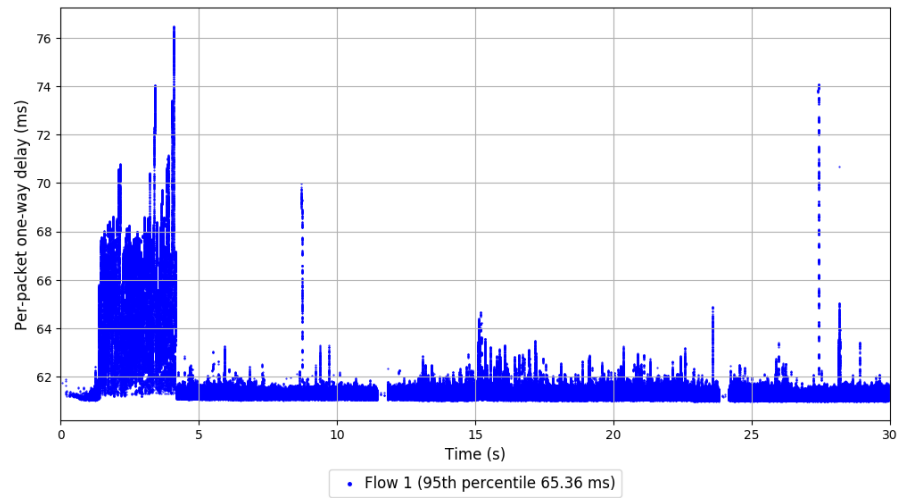
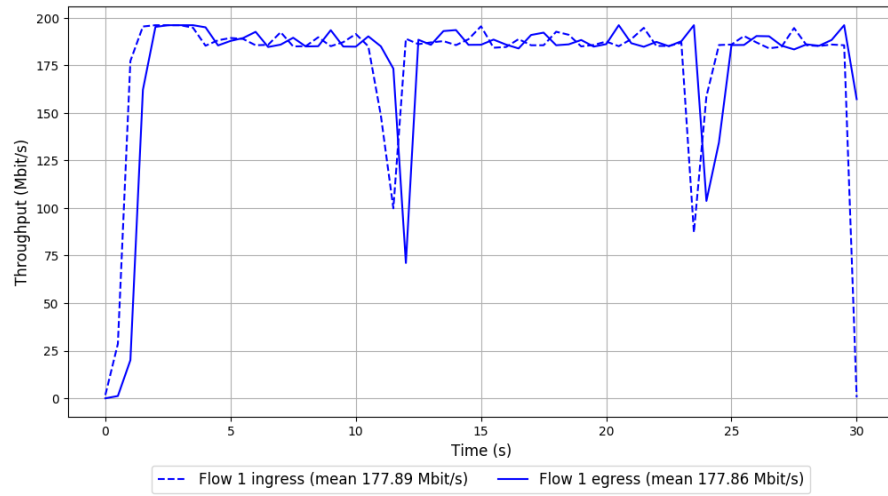
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	178.48	66.58	0.43
Copa	10	151.91	72.60	0.29
TCP Cubic	10	173.12	71.23	0.44
FillP	10	684.51	261.23	4.81
FillP-Sheep	10	540.78	278.66	12.24
Indigo	10	208.73	63.19	0.46
LEDBAT	10	23.20	63.09	0.77
PCC-Allegro	10	412.67	159.77	1.29
PCC-Expr	10	264.55	170.30	5.25
QUIC Cubic	9	48.85	61.97	0.66
SCReAM	10	0.22	63.55	0.41
Sprout	10	1.35	62.67	0.17
TaoVA-100x	7	204.42	62.96	0.39
TCP Vegas	10	140.92	69.77	0.40
Verus	10	246.07	155.54	2.41
PCC-Vivace	10	320.23	82.52	0.56
WebRTC media	10	1.83	61.53	0.51

Run 1: Statistics of TCP BBR

Start at: 2018-07-11 08:59:46
End at: 2018-07-11 09:00:16
Local clock offset: -0.073 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-11 12:53:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.86 Mbit/s
95th percentile per-packet one-way delay: 65.357 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 177.86 Mbit/s
95th percentile per-packet one-way delay: 65.357 ms
Loss rate: 0.43%

Run 1: Report of TCP BBR — Data Link

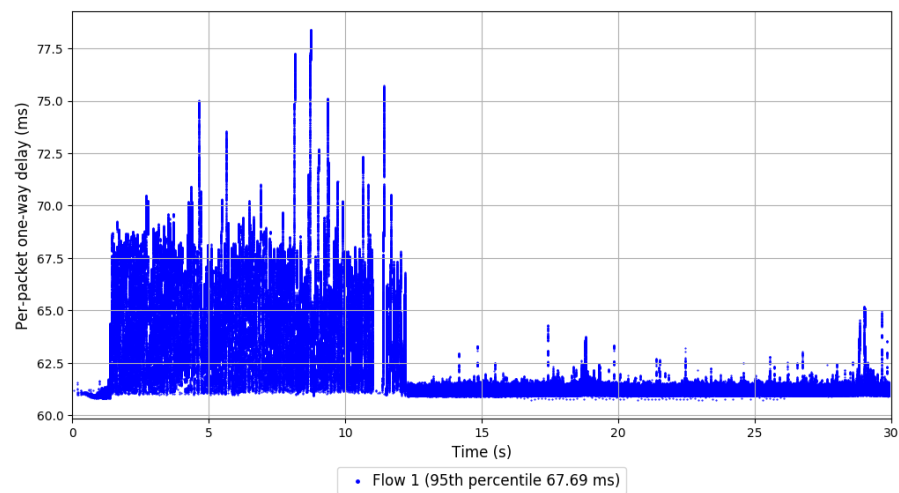
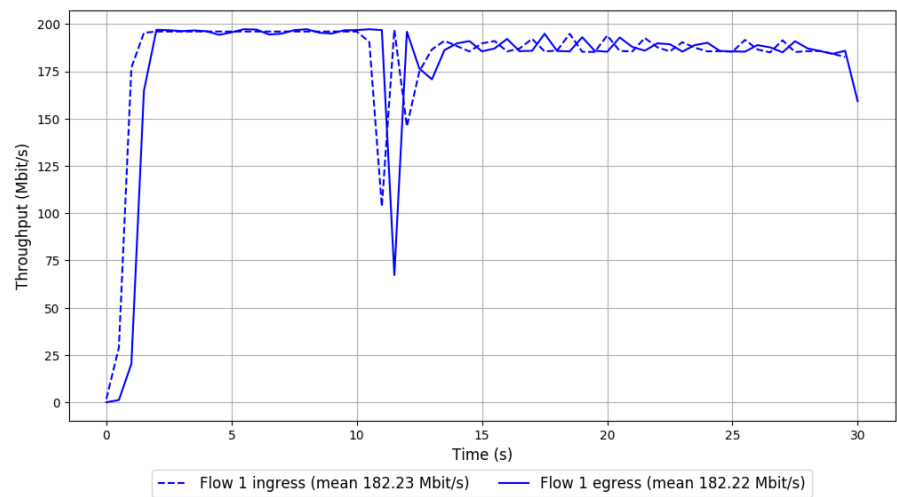


Run 2: Statistics of TCP BBR

Start at: 2018-07-11 09:22:03
End at: 2018-07-11 09:22:33
Local clock offset: -0.072 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-11 12:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.22 Mbit/s
95th percentile per-packet one-way delay: 67.694 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 182.22 Mbit/s
95th percentile per-packet one-way delay: 67.694 ms
Loss rate: 0.41%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-11 09:44:07

End at: 2018-07-11 09:44:37

Local clock offset: -0.039 ms

Remote clock offset: 1.077 ms

Below is generated by plot.py at 2018-07-11 12:53:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.65 Mbit/s

95th percentile per-packet one-way delay: 66.797 ms

Loss rate: 0.41%

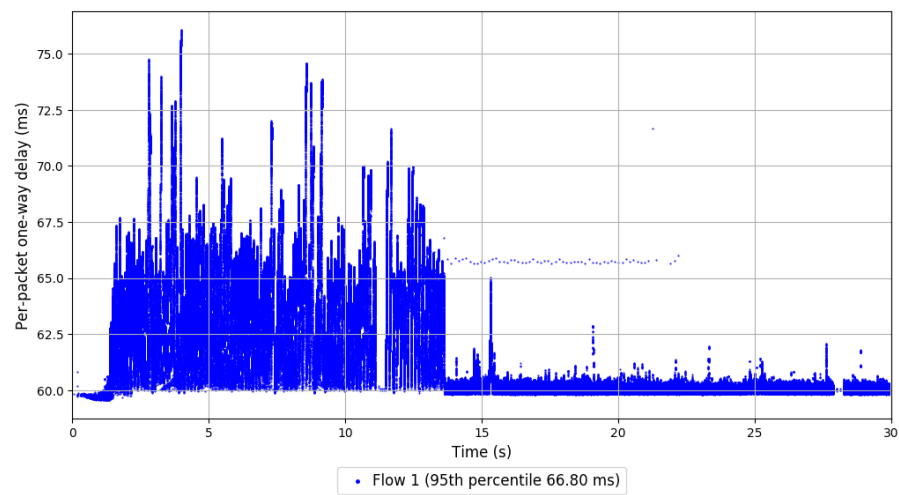
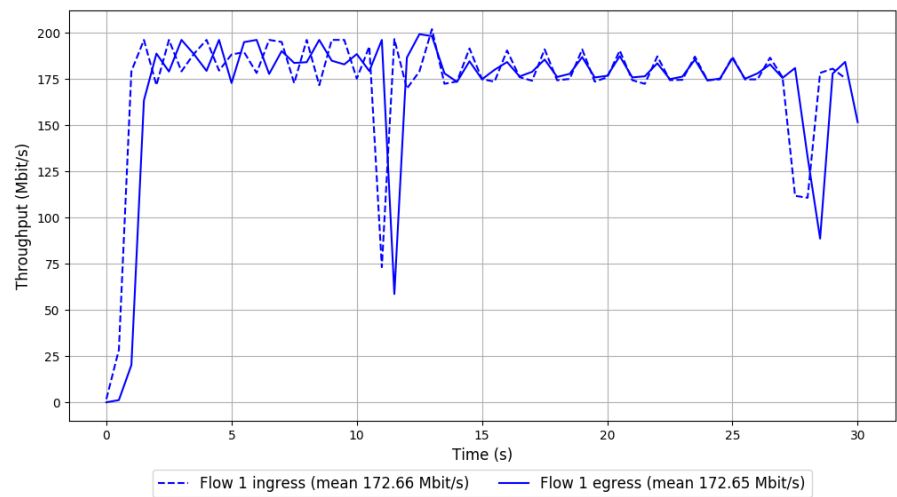
-- Flow 1:

Average throughput: 172.65 Mbit/s

95th percentile per-packet one-way delay: 66.797 ms

Loss rate: 0.41%

Run 3: Report of TCP BBR — Data Link

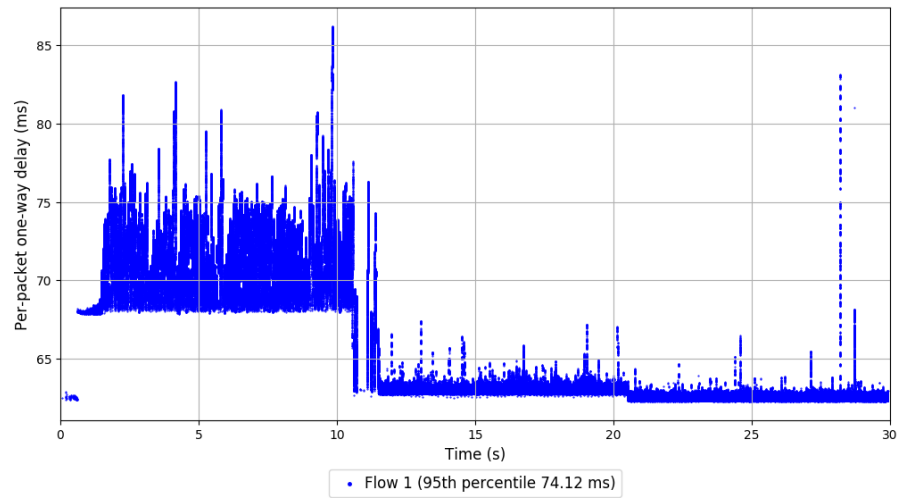
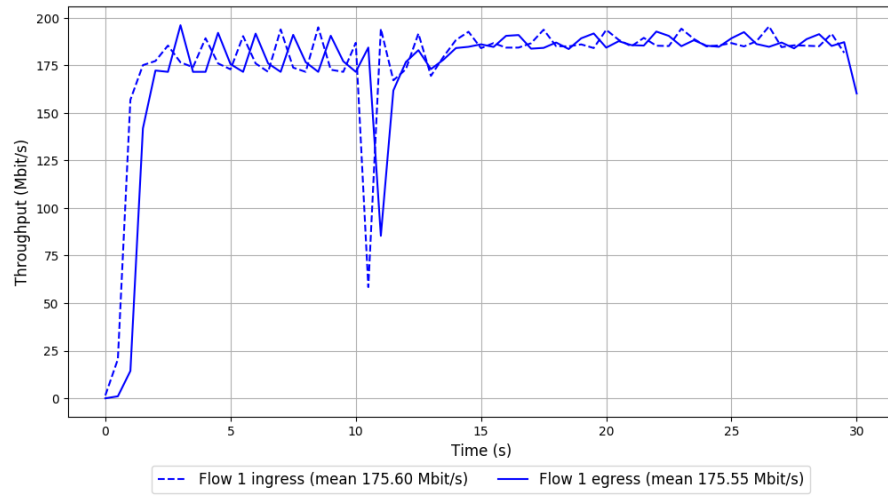


Run 4: Statistics of TCP BBR

Start at: 2018-07-11 10:06:18
End at: 2018-07-11 10:06:48
Local clock offset: -0.042 ms
Remote clock offset: -1.398 ms

Below is generated by plot.py at 2018-07-11 12:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.55 Mbit/s
95th percentile per-packet one-way delay: 74.120 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 175.55 Mbit/s
95th percentile per-packet one-way delay: 74.120 ms
Loss rate: 0.44%

Run 4: Report of TCP BBR — Data Link

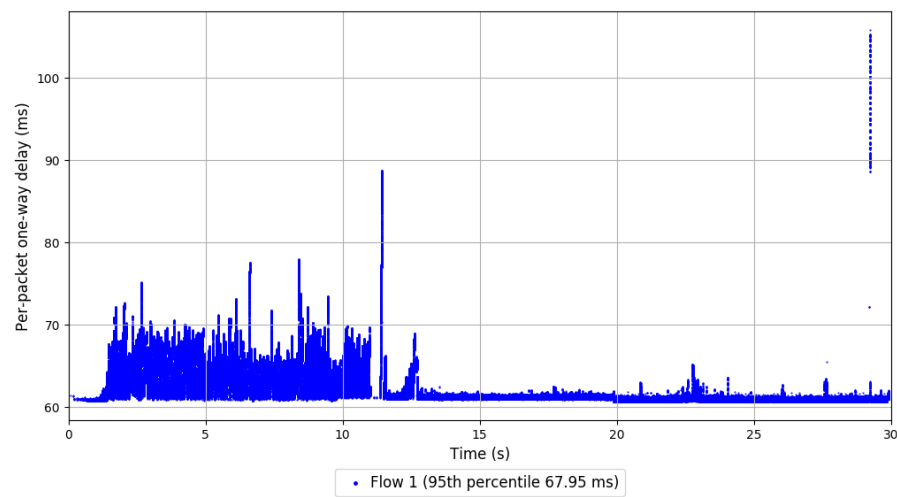
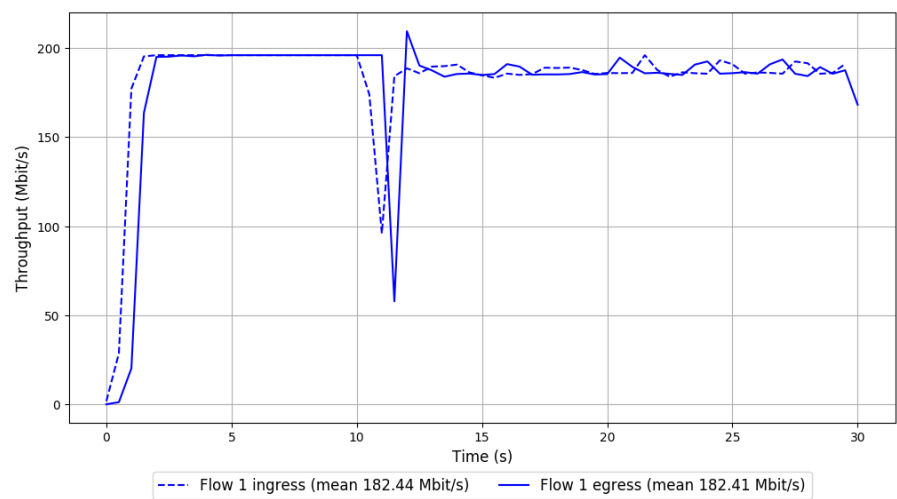


Run 5: Statistics of TCP BBR

Start at: 2018-07-11 10:27:59
End at: 2018-07-11 10:28:29
Local clock offset: -0.066 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-11 12:53:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.41 Mbit/s
95th percentile per-packet one-way delay: 67.955 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 182.41 Mbit/s
95th percentile per-packet one-way delay: 67.955 ms
Loss rate: 0.44%

Run 5: Report of TCP BBR — Data Link

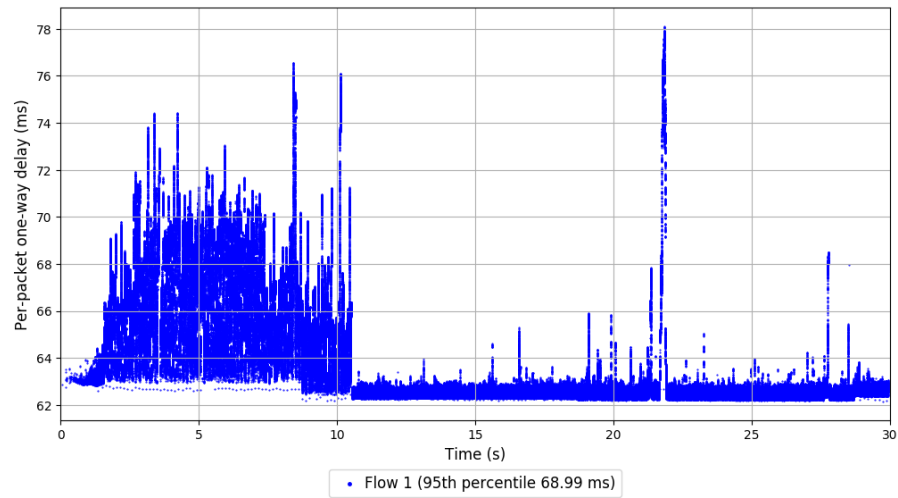
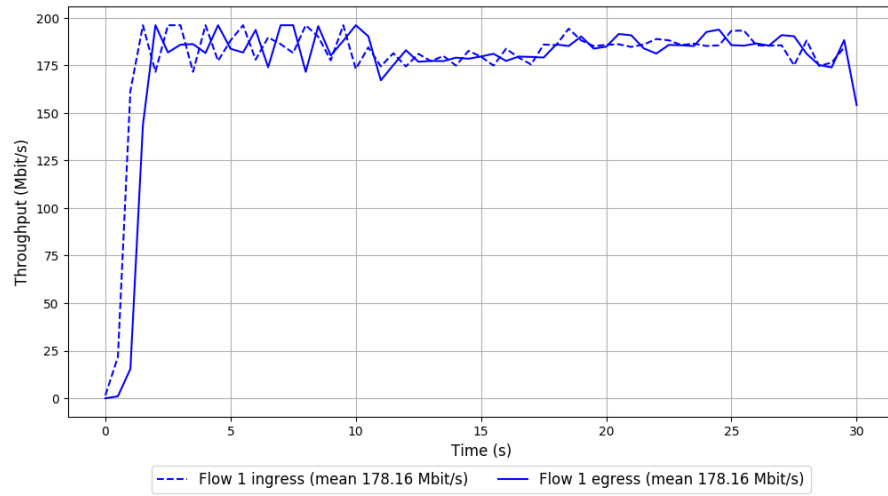


Run 6: Statistics of TCP BBR

Start at: 2018-07-11 10:50:00
End at: 2018-07-11 10:50:30
Local clock offset: -0.085 ms
Remote clock offset: -1.562 ms

Below is generated by plot.py at 2018-07-11 12:53:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.16 Mbit/s
95th percentile per-packet one-way delay: 68.994 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 178.16 Mbit/s
95th percentile per-packet one-way delay: 68.994 ms
Loss rate: 0.43%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-11 11:11:49

End at: 2018-07-11 11:12:19

Local clock offset: -0.058 ms

Remote clock offset: 1.383 ms

Below is generated by plot.py at 2018-07-11 12:53:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.87 Mbit/s

95th percentile per-packet one-way delay: 60.085 ms

Loss rate: 0.46%

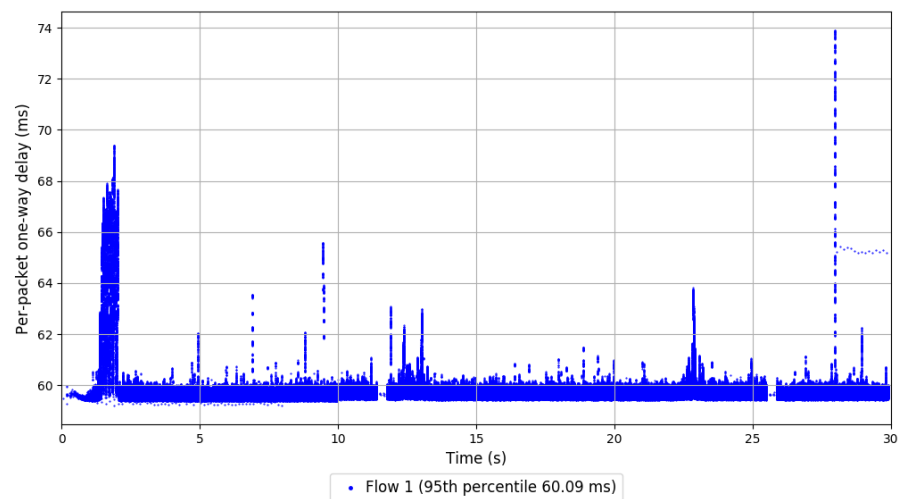
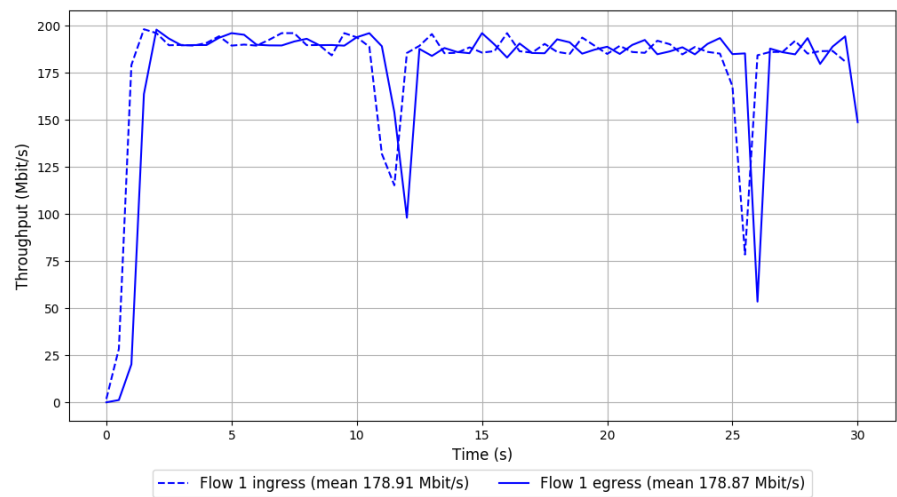
-- Flow 1:

Average throughput: 178.87 Mbit/s

95th percentile per-packet one-way delay: 60.085 ms

Loss rate: 0.46%

Run 7: Report of TCP BBR — Data Link

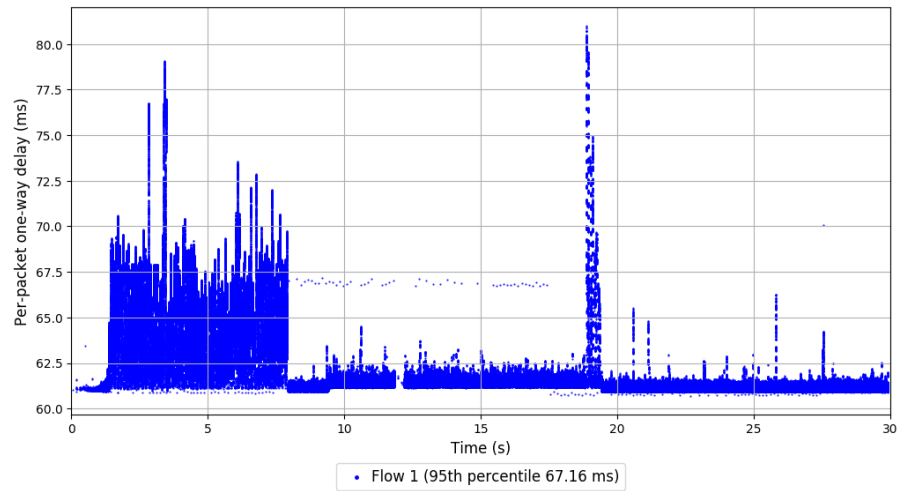
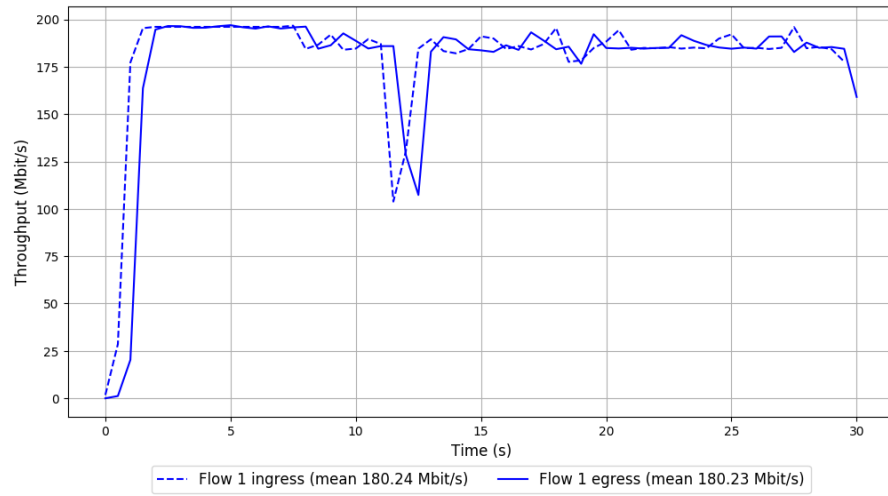


Run 8: Statistics of TCP BBR

Start at: 2018-07-11 11:34:10
End at: 2018-07-11 11:34:40
Local clock offset: -0.043 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-11 12:53:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.23 Mbit/s
95th percentile per-packet one-way delay: 67.162 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 180.23 Mbit/s
95th percentile per-packet one-way delay: 67.162 ms
Loss rate: 0.41%

Run 8: Report of TCP BBR — Data Link

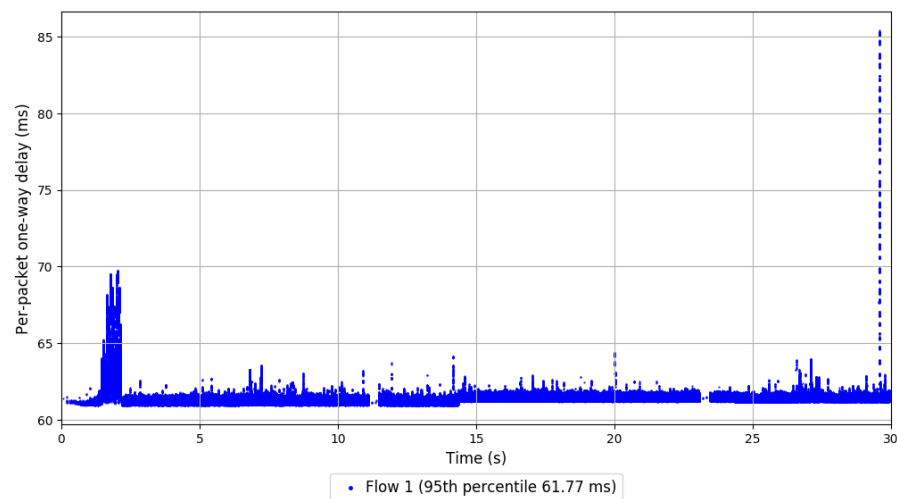
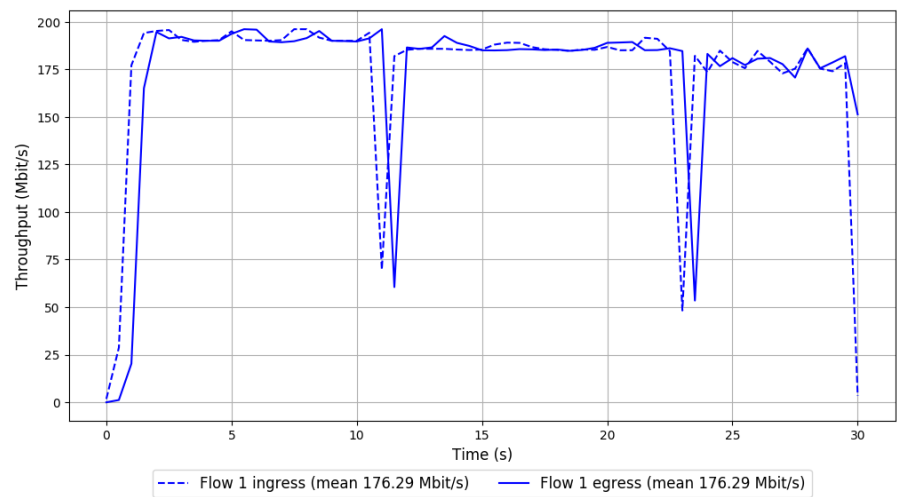


Run 9: Statistics of TCP BBR

Start at: 2018-07-11 11:56:25
End at: 2018-07-11 11:56:55
Local clock offset: -0.064 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-07-11 12:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.29 Mbit/s
95th percentile per-packet one-way delay: 61.774 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 176.29 Mbit/s
95th percentile per-packet one-way delay: 61.774 ms
Loss rate: 0.43%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-11 12:18:28

End at: 2018-07-11 12:18:58

Local clock offset: -0.066 ms

Remote clock offset: 0.81 ms

Below is generated by plot.py at 2018-07-11 12:56:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.59 Mbit/s

95th percentile per-packet one-way delay: 65.875 ms

Loss rate: 0.43%

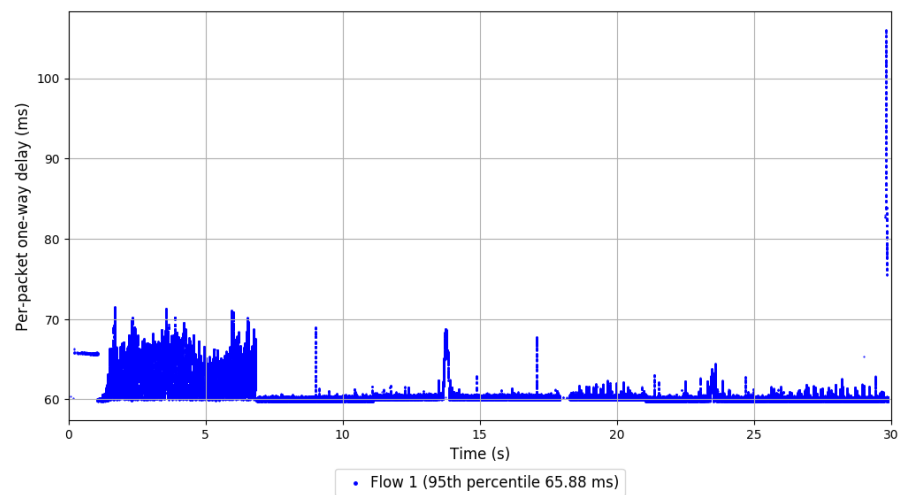
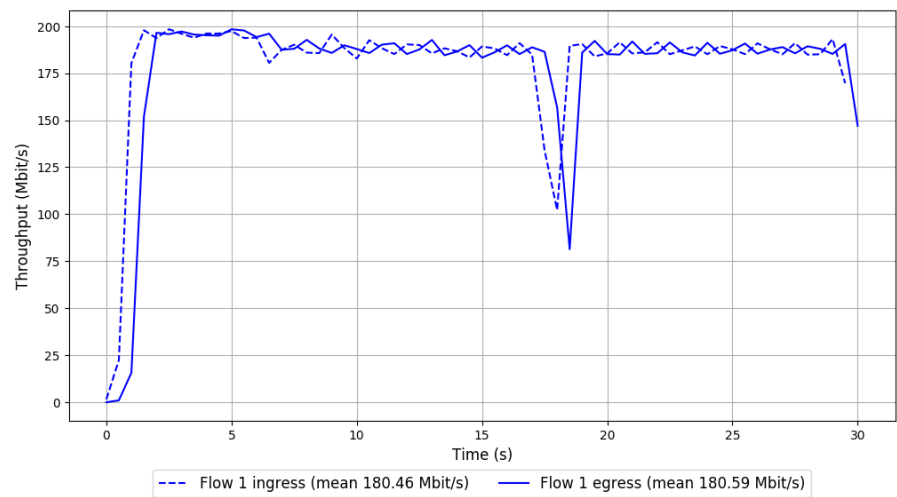
-- Flow 1:

Average throughput: 180.59 Mbit/s

95th percentile per-packet one-way delay: 65.875 ms

Loss rate: 0.43%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-11 08:58:30

End at: 2018-07-11 08:59:00

Local clock offset: -0.07 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-11 12:57:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.36 Mbit/s

95th percentile per-packet one-way delay: 72.171 ms

Loss rate: 0.13%

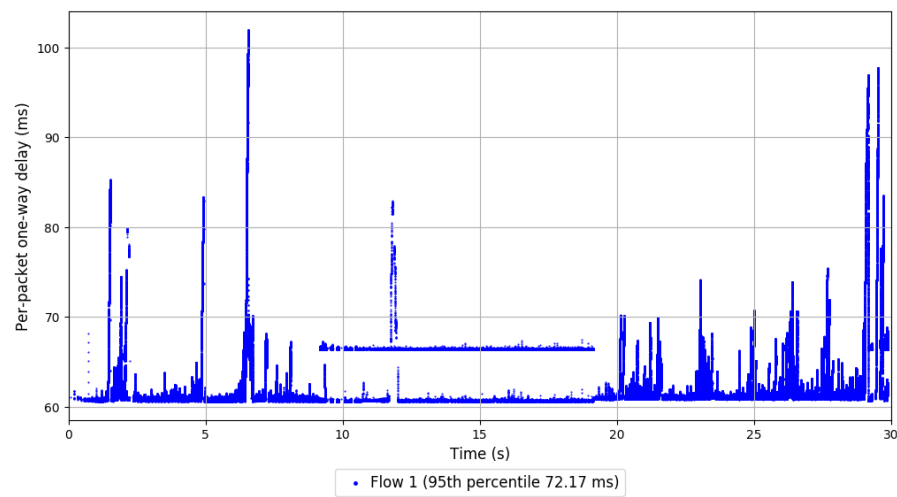
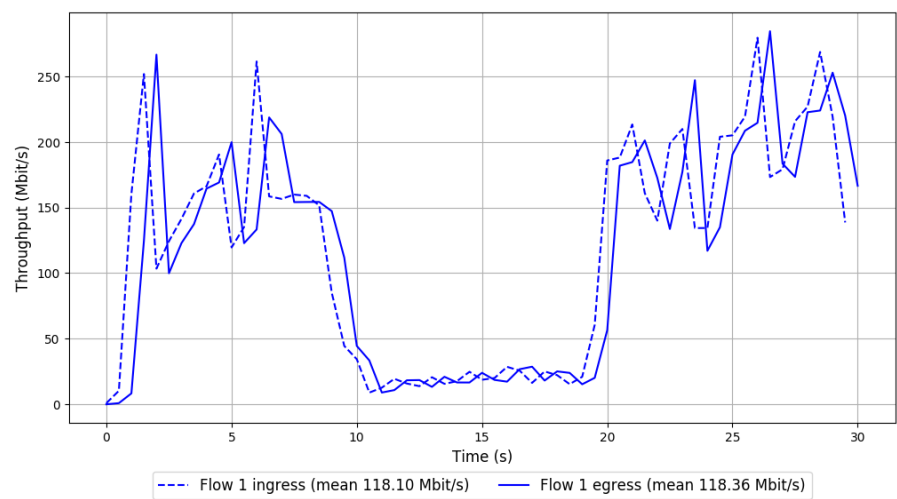
-- Flow 1:

Average throughput: 118.36 Mbit/s

95th percentile per-packet one-way delay: 72.171 ms

Loss rate: 0.13%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-11 09:20:43

End at: 2018-07-11 09:21:13

Local clock offset: -0.051 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-07-11 12:58:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.96 Mbit/s

95th percentile per-packet one-way delay: 70.068 ms

Loss rate: 0.21%

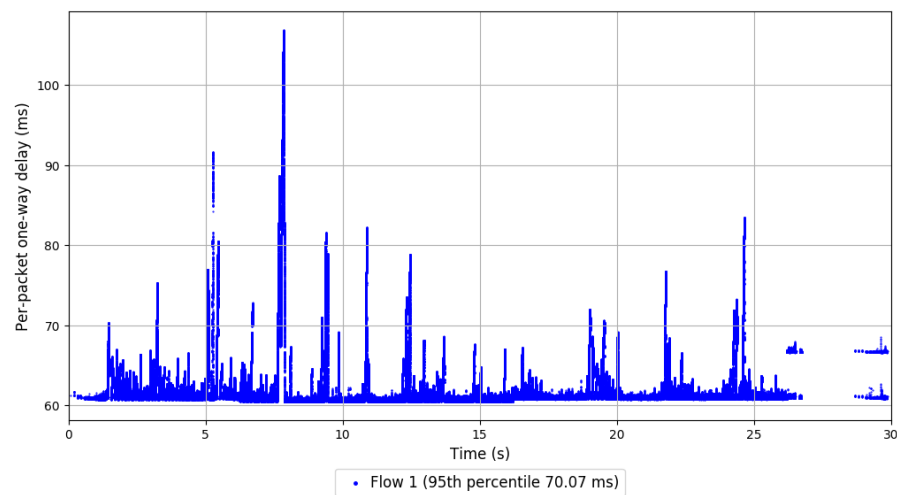
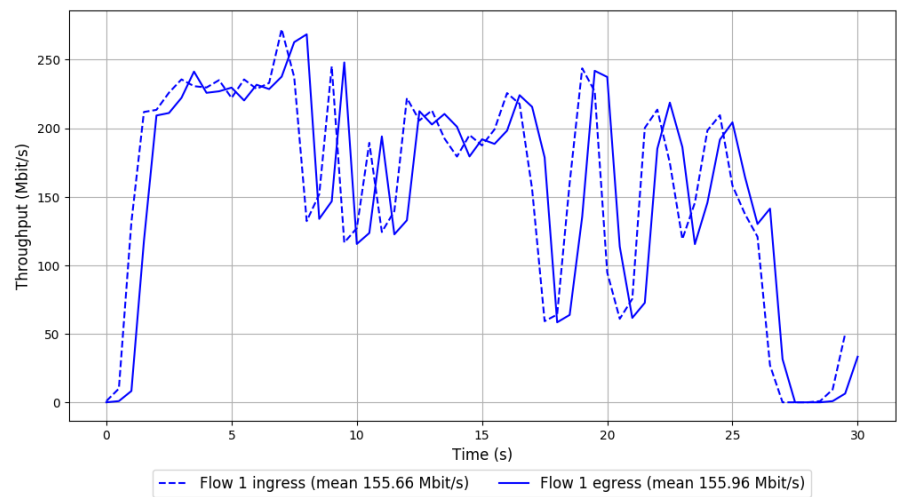
-- Flow 1:

Average throughput: 155.96 Mbit/s

95th percentile per-packet one-way delay: 70.068 ms

Loss rate: 0.21%

Run 2: Report of Copa — Data Link

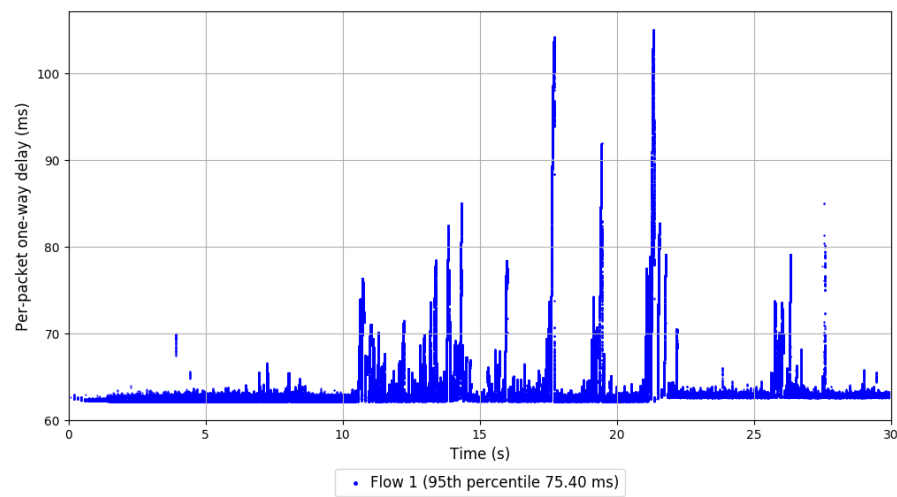
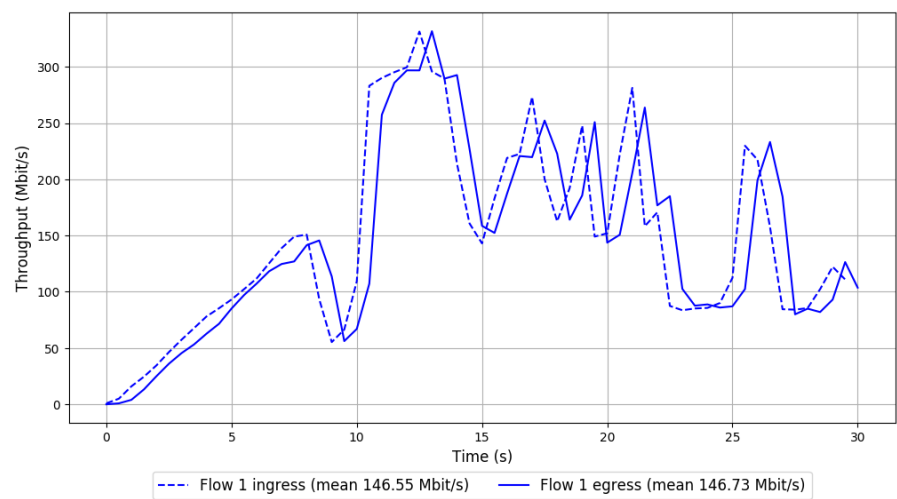


Run 3: Statistics of Copa

Start at: 2018-07-11 09:42:48
End at: 2018-07-11 09:43:18
Local clock offset: -0.053 ms
Remote clock offset: -1.343 ms

Below is generated by plot.py at 2018-07-11 12:58:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.73 Mbit/s
95th percentile per-packet one-way delay: 75.396 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 146.73 Mbit/s
95th percentile per-packet one-way delay: 75.396 ms
Loss rate: 0.29%

Run 3: Report of Copa — Data Link

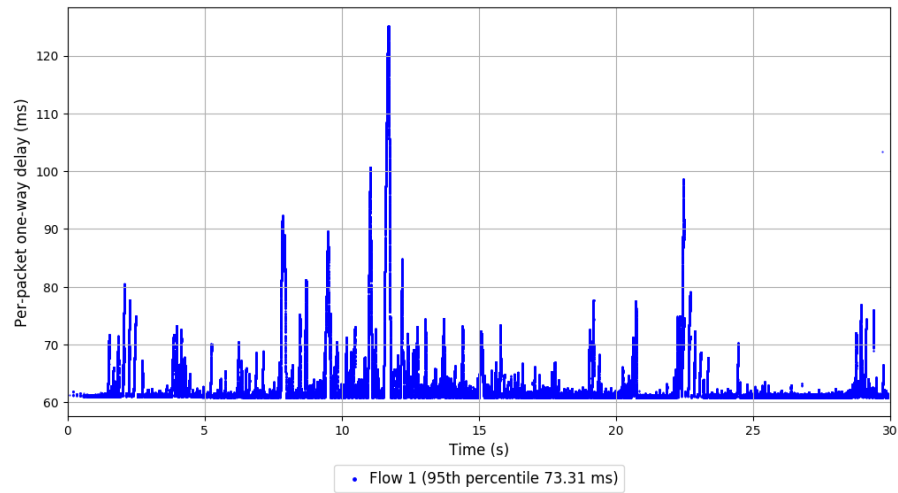
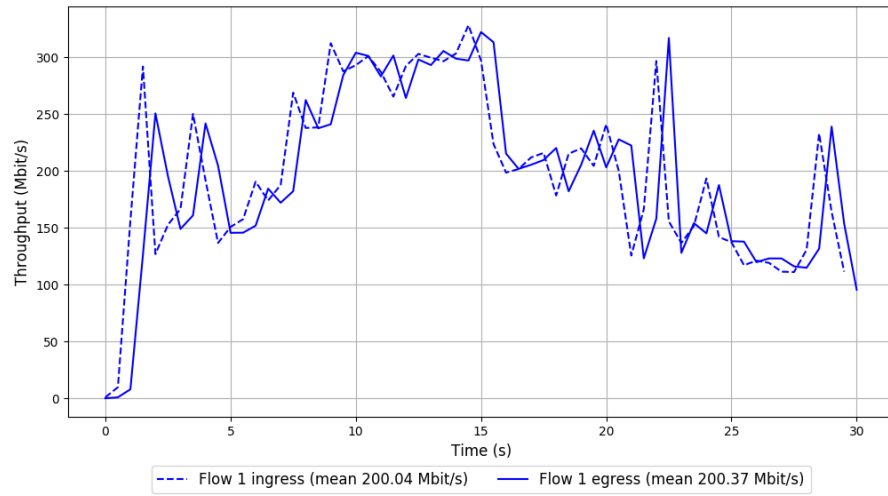


Run 4: Statistics of Copa

Start at: 2018-07-11 10:04:54
End at: 2018-07-11 10:05:24
Local clock offset: -0.08 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-11 13:00:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.37 Mbit/s
95th percentile per-packet one-way delay: 73.310 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 200.37 Mbit/s
95th percentile per-packet one-way delay: 73.310 ms
Loss rate: 0.24%

Run 4: Report of Copa — Data Link

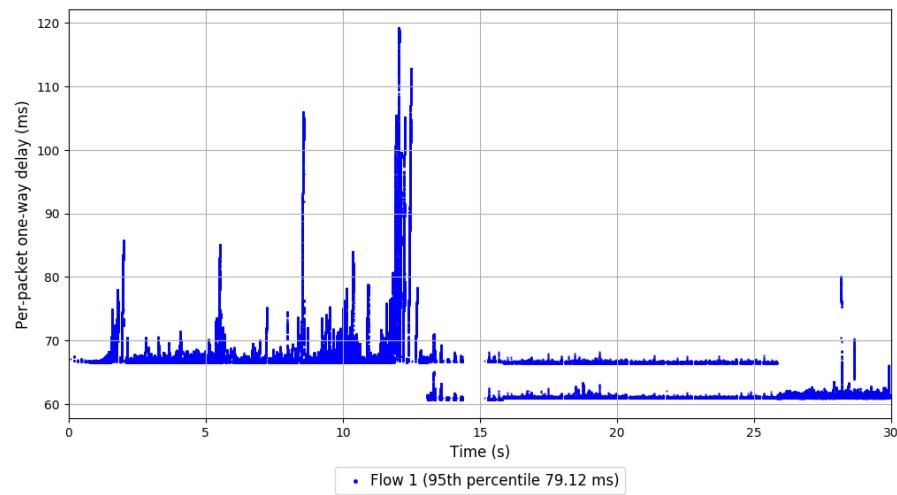
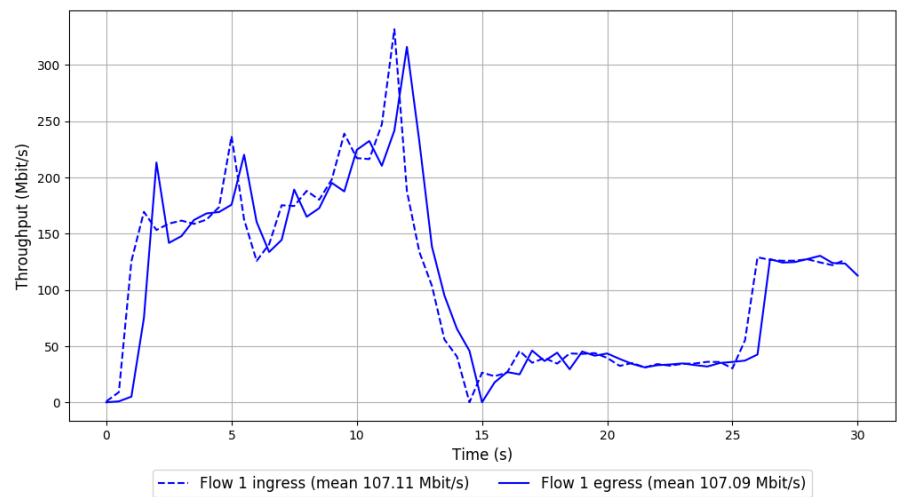


Run 5: Statistics of Copa

Start at: 2018-07-11 10:26:43
End at: 2018-07-11 10:27:13
Local clock offset: -0.078 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-11 13:00:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.09 Mbit/s
95th percentile per-packet one-way delay: 79.116 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 107.09 Mbit/s
95th percentile per-packet one-way delay: 79.116 ms
Loss rate: 0.45%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-11 10:48:38

End at: 2018-07-11 10:49:08

Local clock offset: -0.062 ms

Remote clock offset: 1.131 ms

Below is generated by plot.py at 2018-07-11 13:00:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.08 Mbit/s

95th percentile per-packet one-way delay: 72.644 ms

Loss rate: 0.33%

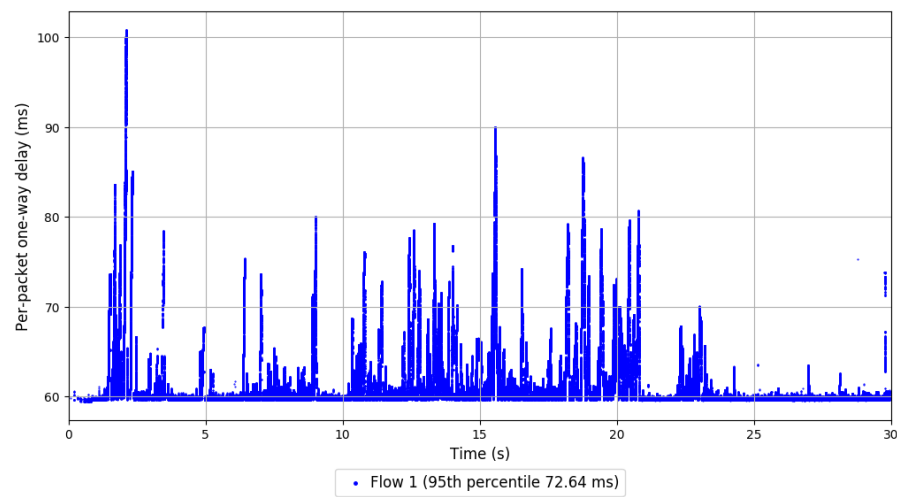
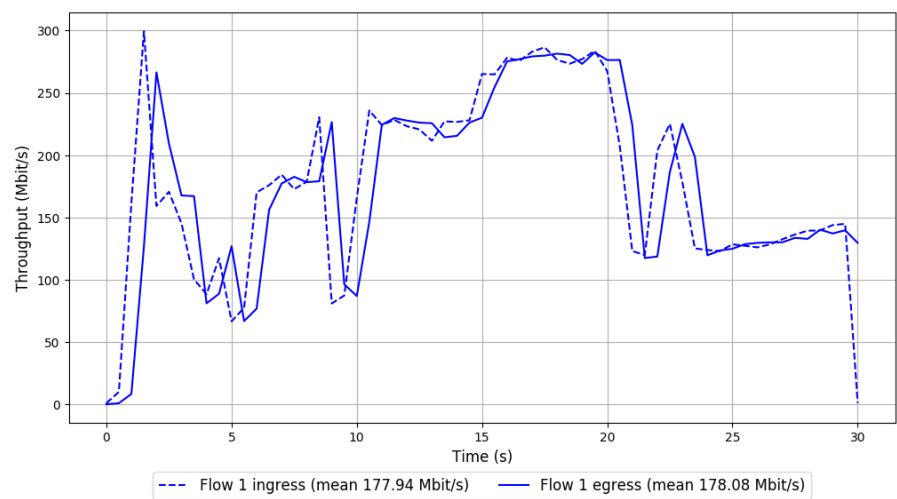
-- Flow 1:

Average throughput: 178.08 Mbit/s

95th percentile per-packet one-way delay: 72.644 ms

Loss rate: 0.33%

Run 6: Report of Copa — Data Link

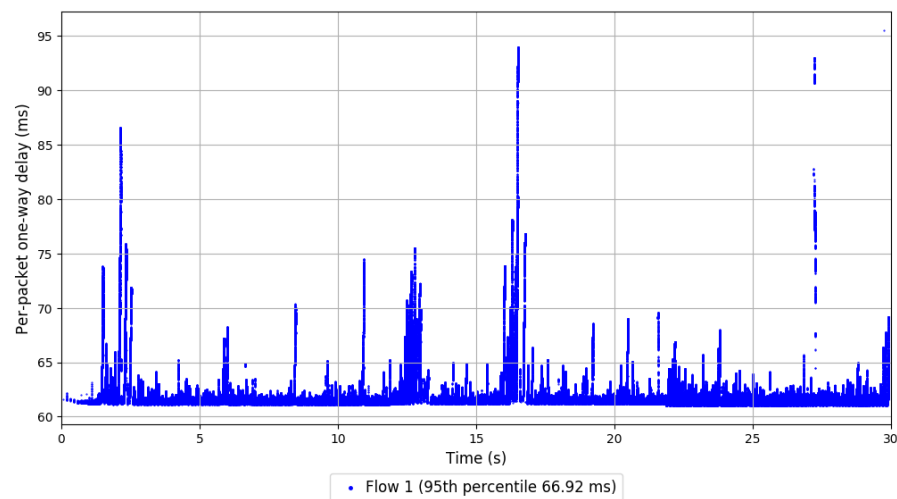
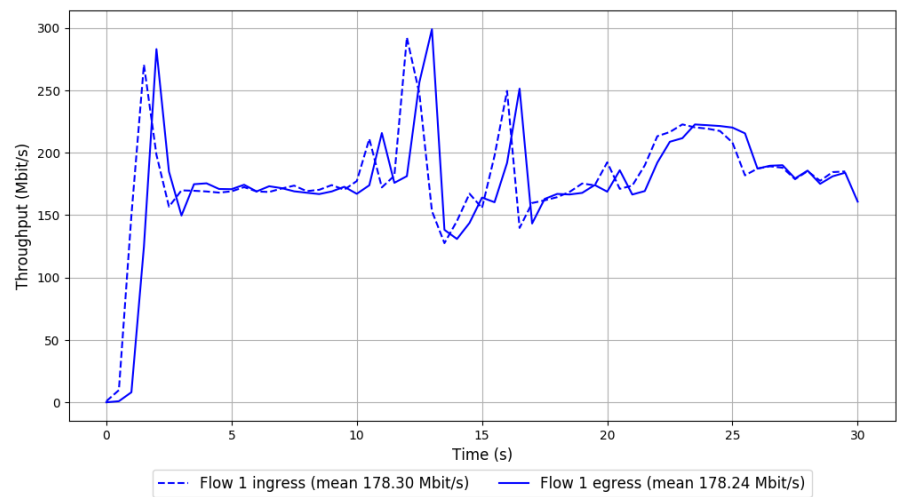


Run 7: Statistics of Copa

Start at: 2018-07-11 11:10:27
End at: 2018-07-11 11:10:57
Local clock offset: -0.04 ms
Remote clock offset: -0.449 ms

Below is generated by plot.py at 2018-07-11 13:02:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.24 Mbit/s
95th percentile per-packet one-way delay: 66.916 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 178.24 Mbit/s
95th percentile per-packet one-way delay: 66.916 ms
Loss rate: 0.44%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-11 11:32:49

End at: 2018-07-11 11:33:19

Local clock offset: -0.037 ms

Remote clock offset: 1.171 ms

Below is generated by plot.py at 2018-07-11 13:02:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.18 Mbit/s

95th percentile per-packet one-way delay: 67.316 ms

Loss rate: 0.00%

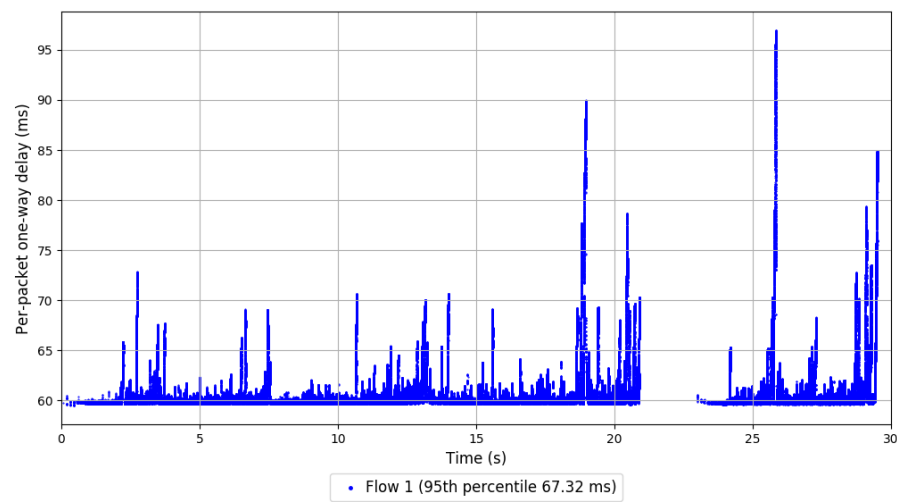
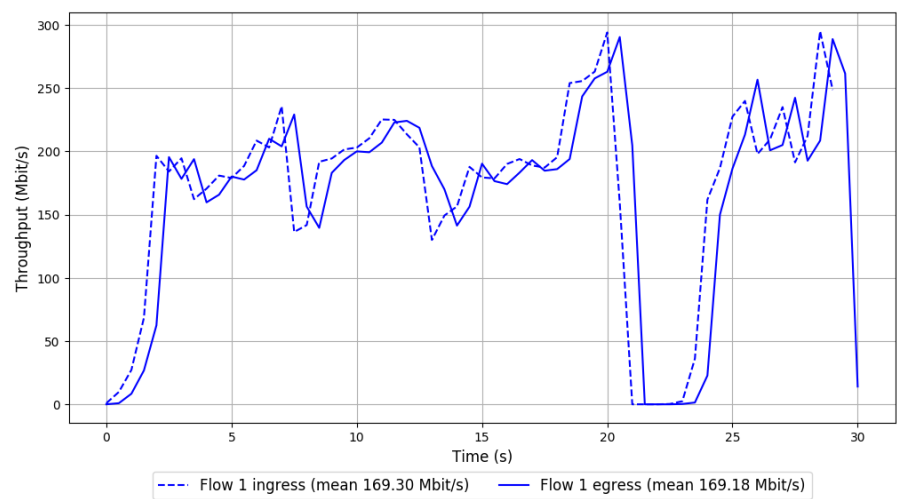
-- Flow 1:

Average throughput: 169.18 Mbit/s

95th percentile per-packet one-way delay: 67.316 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

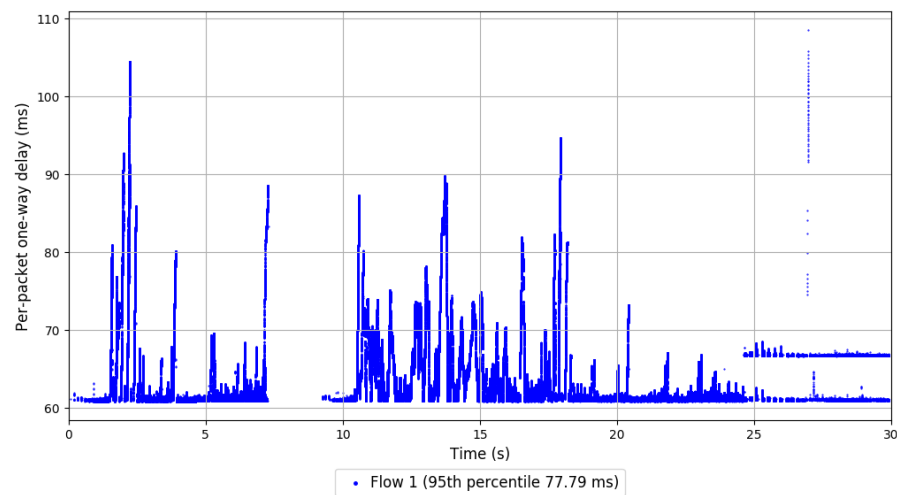
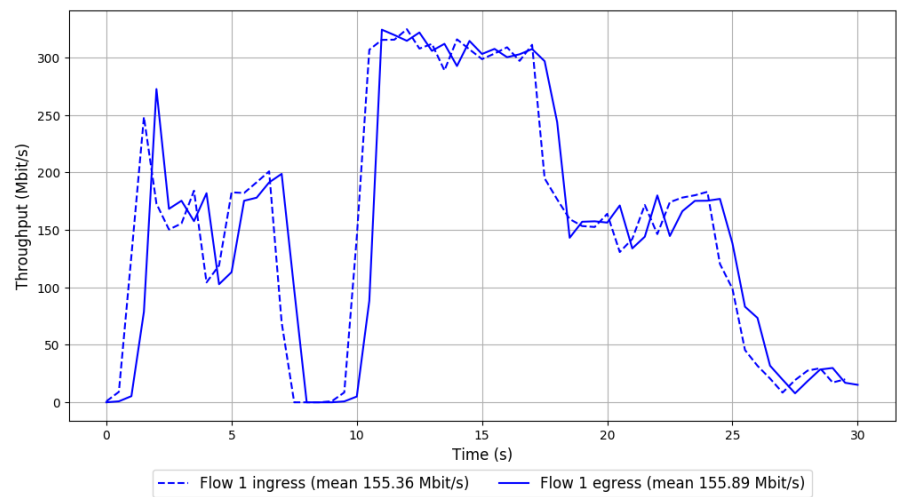


Run 9: Statistics of Copa

Start at: 2018-07-11 11:55:04
End at: 2018-07-11 11:55:34
Local clock offset: -0.051 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-07-11 13:02:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.89 Mbit/s
95th percentile per-packet one-way delay: 77.791 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 155.89 Mbit/s
95th percentile per-packet one-way delay: 77.791 ms
Loss rate: 0.07%

Run 9: Report of Copa — Data Link

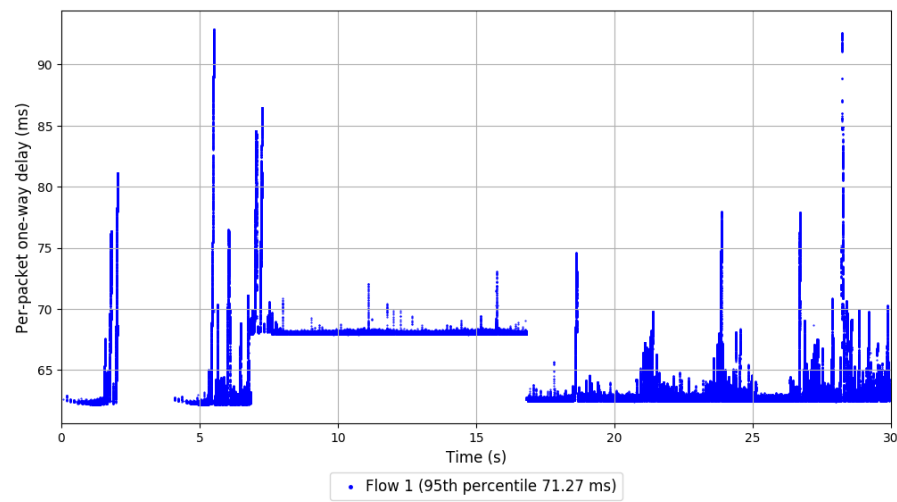
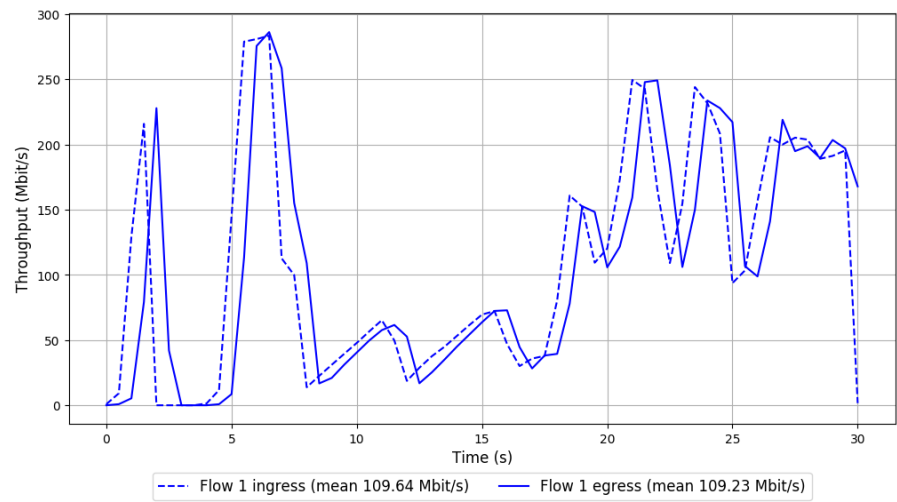


Run 10: Statistics of Copa

Start at: 2018-07-11 12:17:12
End at: 2018-07-11 12:17:42
Local clock offset: -0.065 ms
Remote clock offset: -1.692 ms

Below is generated by plot.py at 2018-07-11 13:02:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.23 Mbit/s
95th percentile per-packet one-way delay: 71.267 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 109.23 Mbit/s
95th percentile per-packet one-way delay: 71.267 ms
Loss rate: 0.79%

Run 10: Report of Copa — Data Link

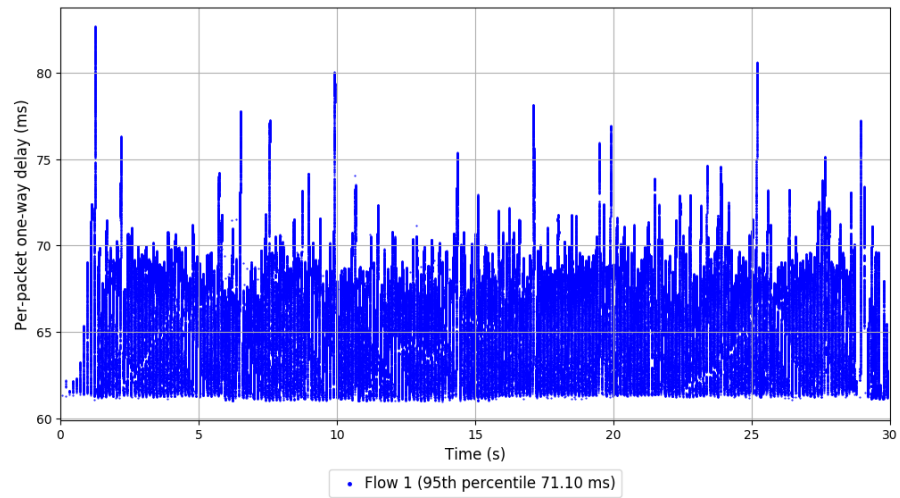
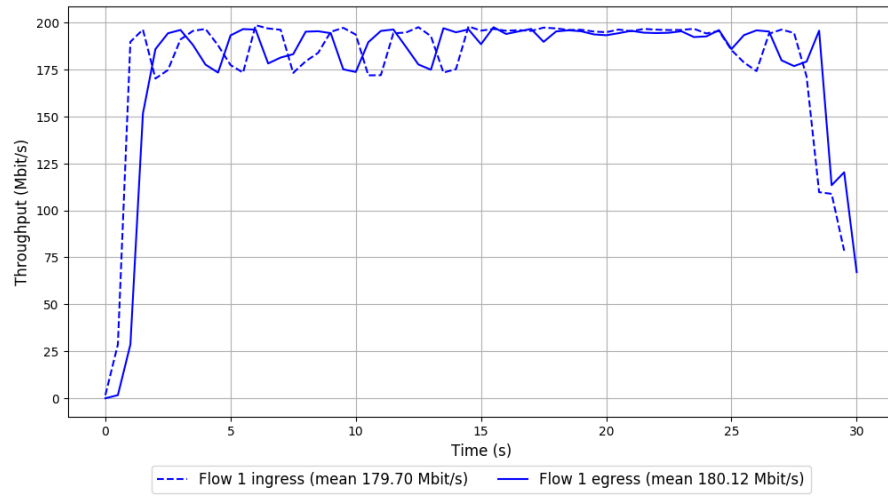


Run 1: Statistics of TCP Cubic

Start at: 2018-07-11 09:18:13
End at: 2018-07-11 09:18:43
Local clock offset: -0.049 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-07-11 13:02:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.12 Mbit/s
95th percentile per-packet one-way delay: 71.103 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 180.12 Mbit/s
95th percentile per-packet one-way delay: 71.103 ms
Loss rate: 0.19%

Run 1: Report of TCP Cubic — Data Link

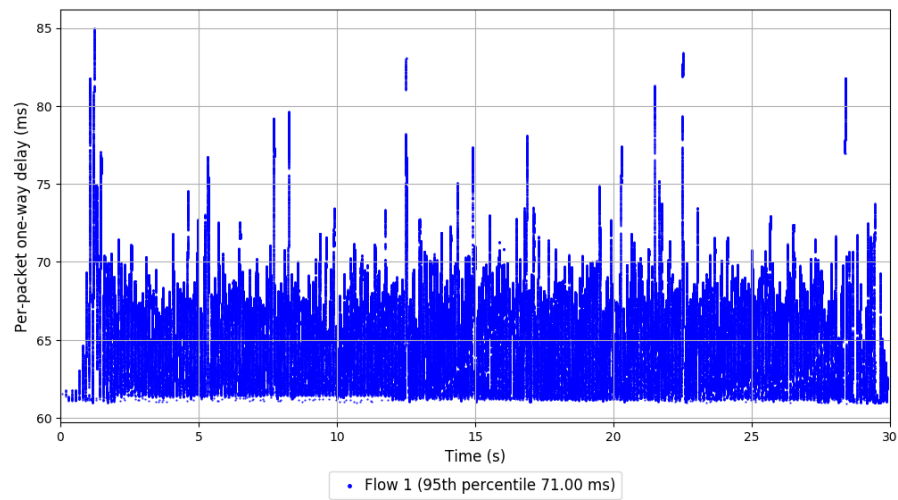
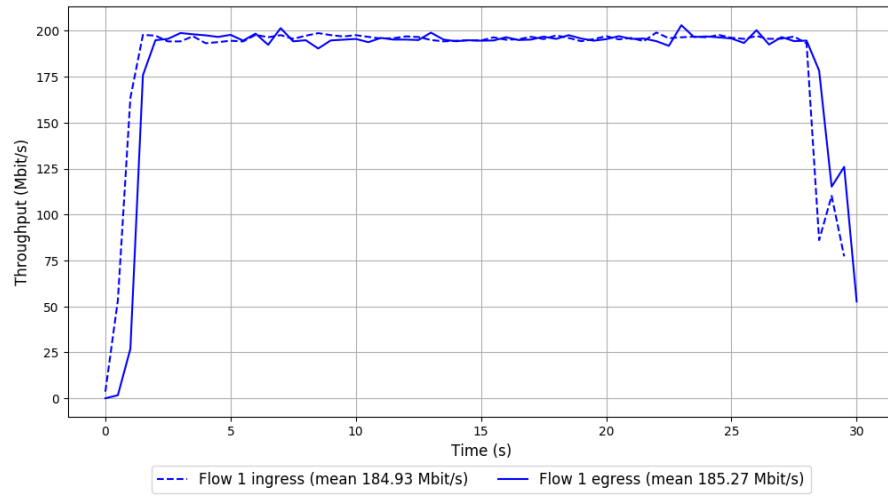


Run 2: Statistics of TCP Cubic

Start at: 2018-07-11 09:40:17
End at: 2018-07-11 09:40:47
Local clock offset: -0.083 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-07-11 13:02:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.27 Mbit/s
95th percentile per-packet one-way delay: 70.995 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 185.27 Mbit/s
95th percentile per-packet one-way delay: 70.995 ms
Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-11 10:02:26

End at: 2018-07-11 10:02:56

Local clock offset: -0.061 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-11 13:02:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.65 Mbit/s

95th percentile per-packet one-way delay: 71.230 ms

Loss rate: 0.61%

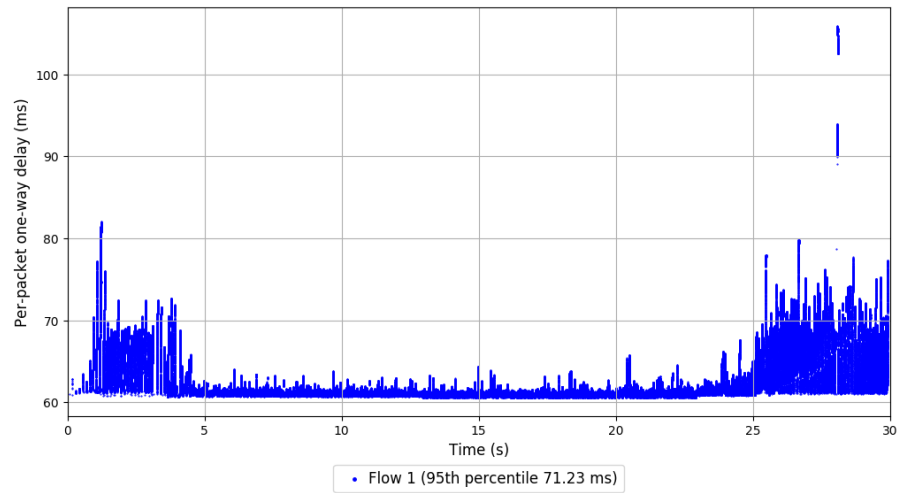
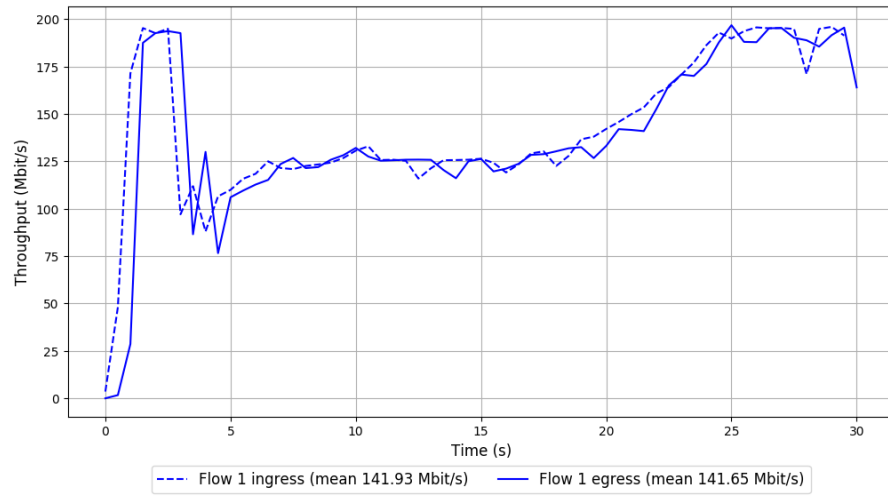
-- Flow 1:

Average throughput: 141.65 Mbit/s

95th percentile per-packet one-way delay: 71.230 ms

Loss rate: 0.61%

Run 3: Report of TCP Cubic — Data Link

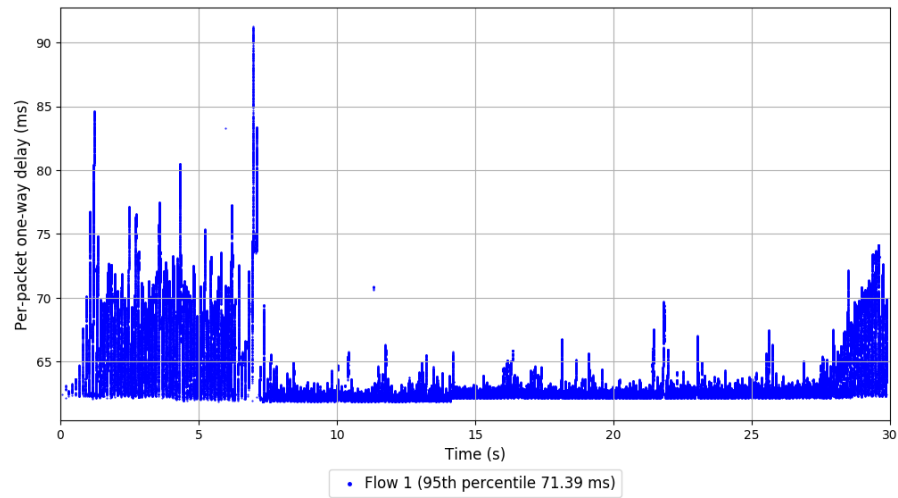
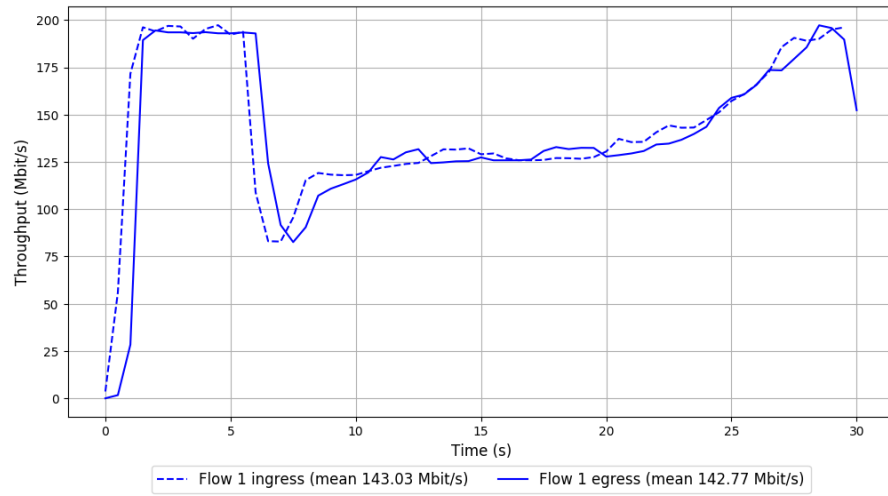


Run 4: Statistics of TCP Cubic

Start at: 2018-07-11 10:24:15
End at: 2018-07-11 10:24:45
Local clock offset: -0.06 ms
Remote clock offset: -1.297 ms

Below is generated by plot.py at 2018-07-11 13:03:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.77 Mbit/s
95th percentile per-packet one-way delay: 71.390 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 142.77 Mbit/s
95th percentile per-packet one-way delay: 71.390 ms
Loss rate: 0.57%

Run 4: Report of TCP Cubic — Data Link

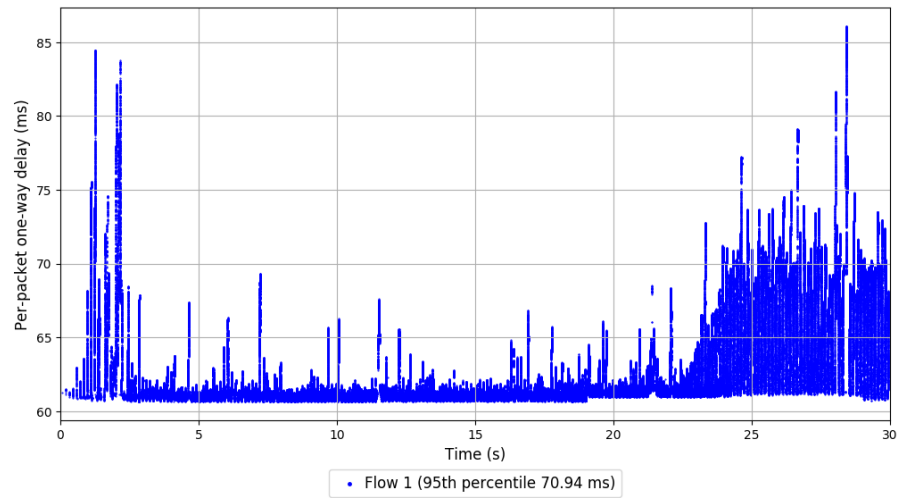
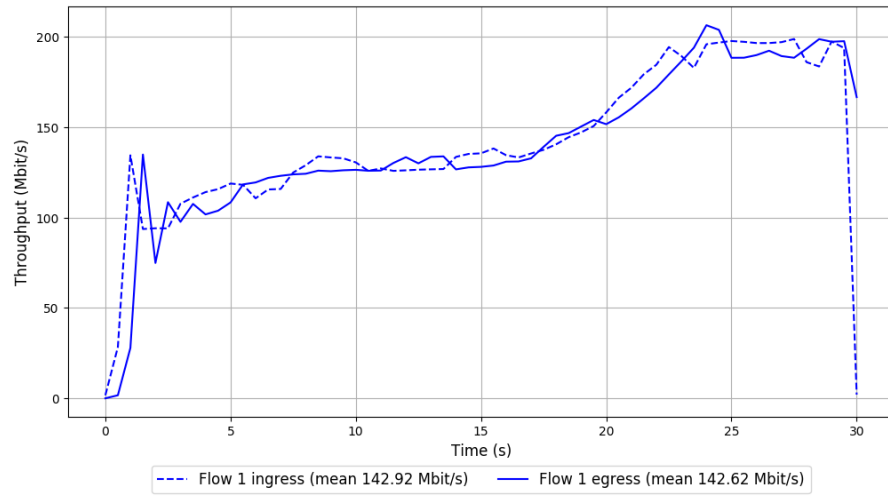


Run 5: Statistics of TCP Cubic

Start at: 2018-07-11 10:46:10
End at: 2018-07-11 10:46:40
Local clock offset: -0.044 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-11 13:03:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.62 Mbit/s
95th percentile per-packet one-way delay: 70.944 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 142.62 Mbit/s
95th percentile per-packet one-way delay: 70.944 ms
Loss rate: 0.62%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-11 11:08:02

End at: 2018-07-11 11:08:32

Local clock offset: -0.037 ms

Remote clock offset: 0.768 ms

Below is generated by plot.py at 2018-07-11 13:05:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.32 Mbit/s

95th percentile per-packet one-way delay: 71.081 ms

Loss rate: 0.43%

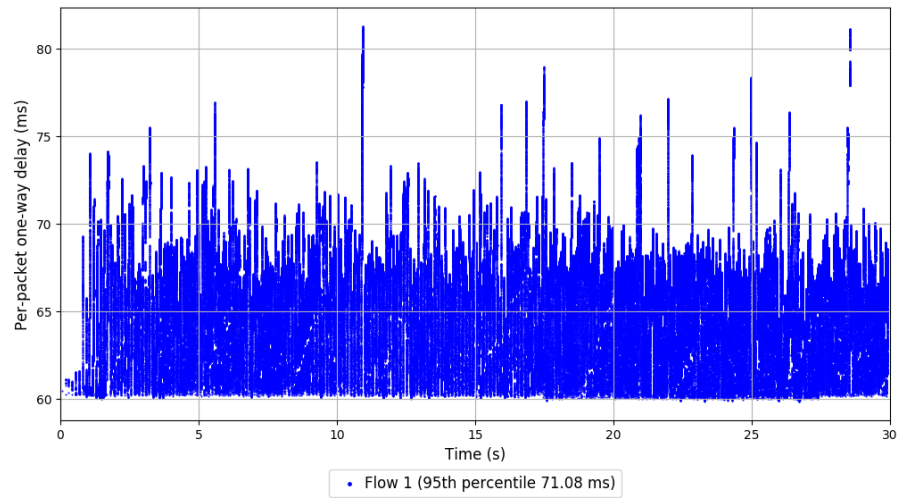
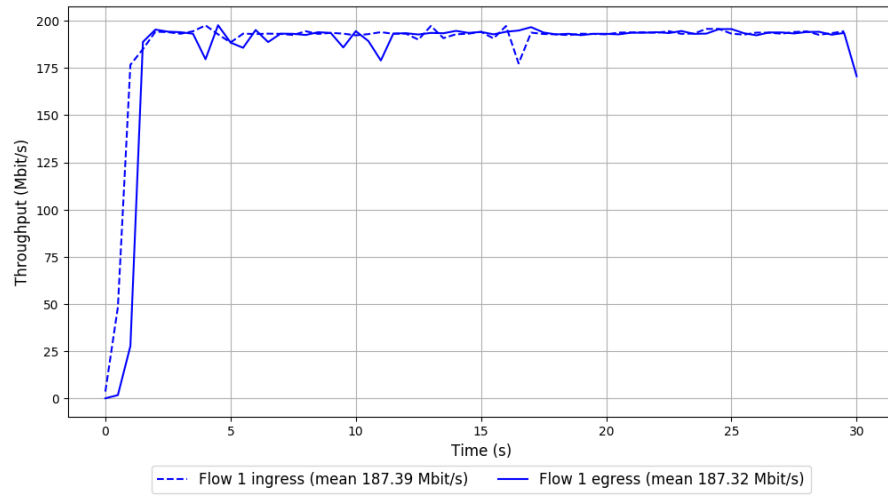
-- Flow 1:

Average throughput: 187.32 Mbit/s

95th percentile per-packet one-way delay: 71.081 ms

Loss rate: 0.43%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-11 11:30:19

End at: 2018-07-11 11:30:49

Local clock offset: -0.038 ms

Remote clock offset: 0.925 ms

Below is generated by plot.py at 2018-07-11 13:05:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.41 Mbit/s

95th percentile per-packet one-way delay: 71.734 ms

Loss rate: 0.44%

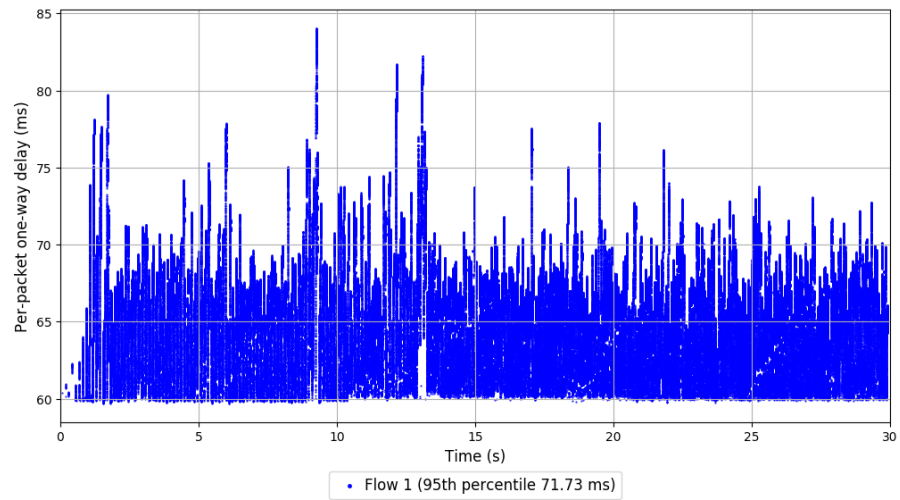
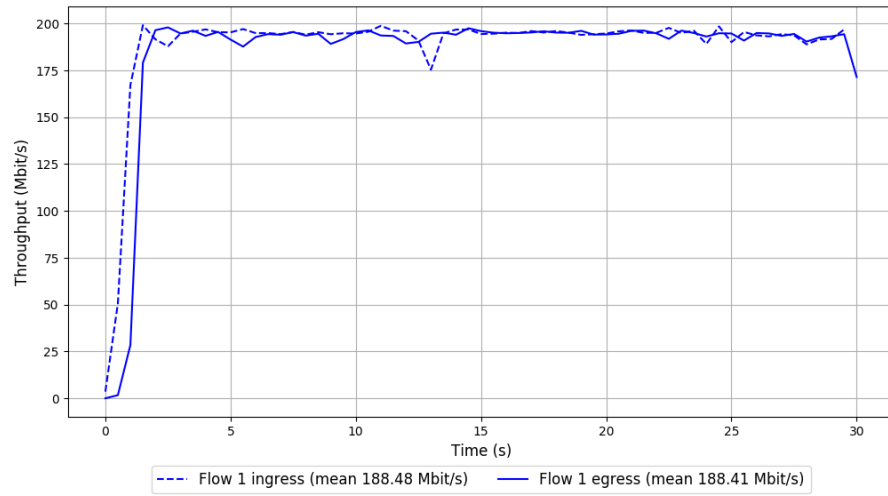
-- Flow 1:

Average throughput: 188.41 Mbit/s

95th percentile per-packet one-way delay: 71.734 ms

Loss rate: 0.44%

Run 7: Report of TCP Cubic — Data Link

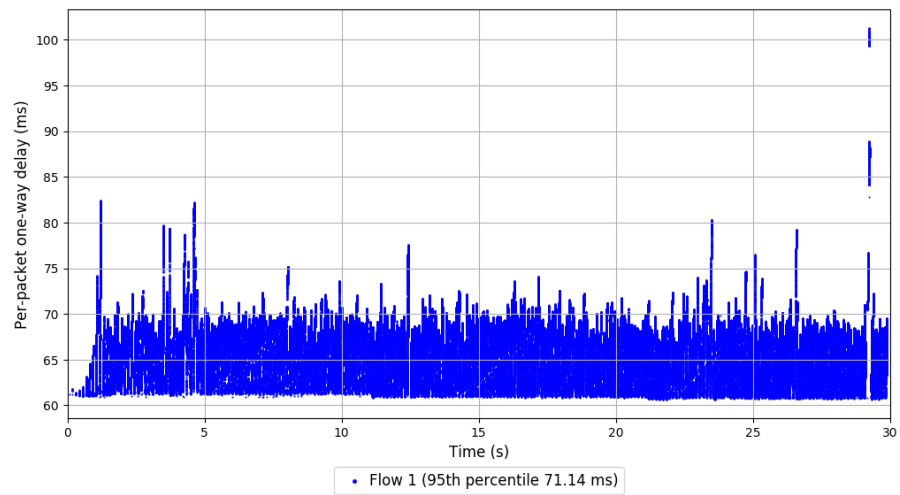
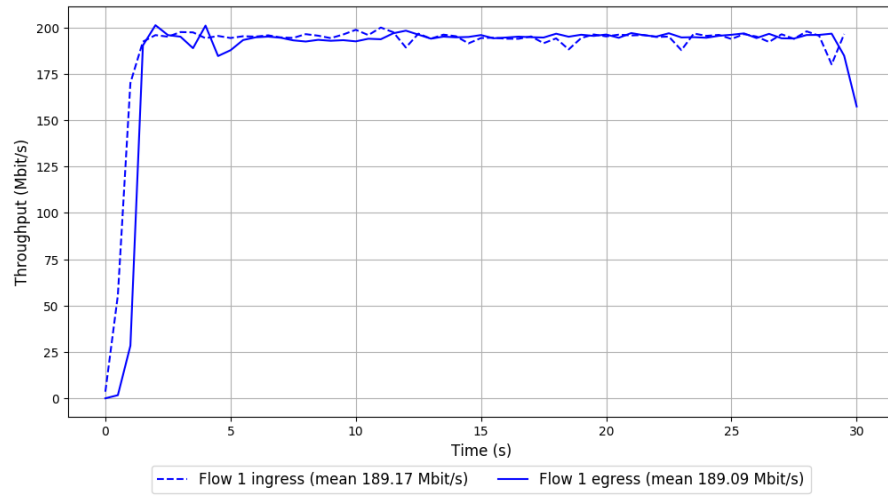


Run 8: Statistics of TCP Cubic

Start at: 2018-07-11 11:52:38
End at: 2018-07-11 11:53:08
Local clock offset: -0.028 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-11 13:05:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.09 Mbit/s
95th percentile per-packet one-way delay: 71.137 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 189.09 Mbit/s
95th percentile per-packet one-way delay: 71.137 ms
Loss rate: 0.44%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-11 12:14:48

End at: 2018-07-11 12:15:18

Local clock offset: -0.1 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-07-11 13:05:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.92 Mbit/s

95th percentile per-packet one-way delay: 71.025 ms

Loss rate: 0.43%

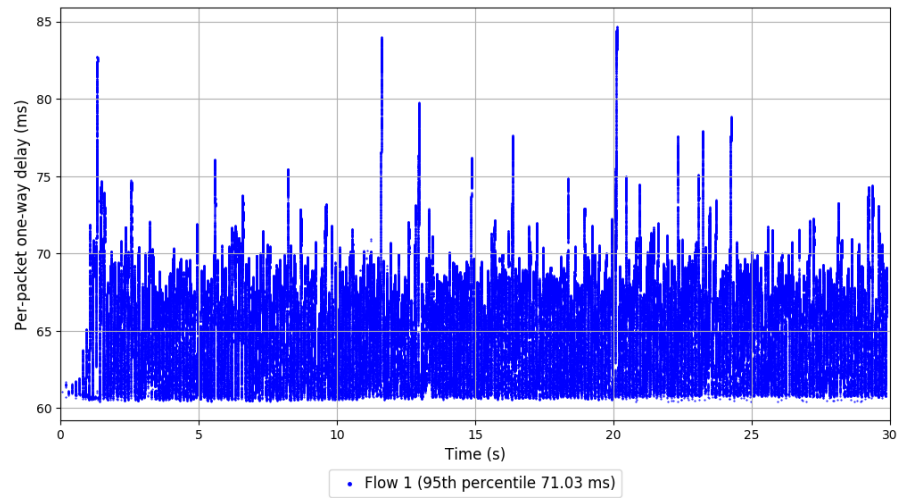
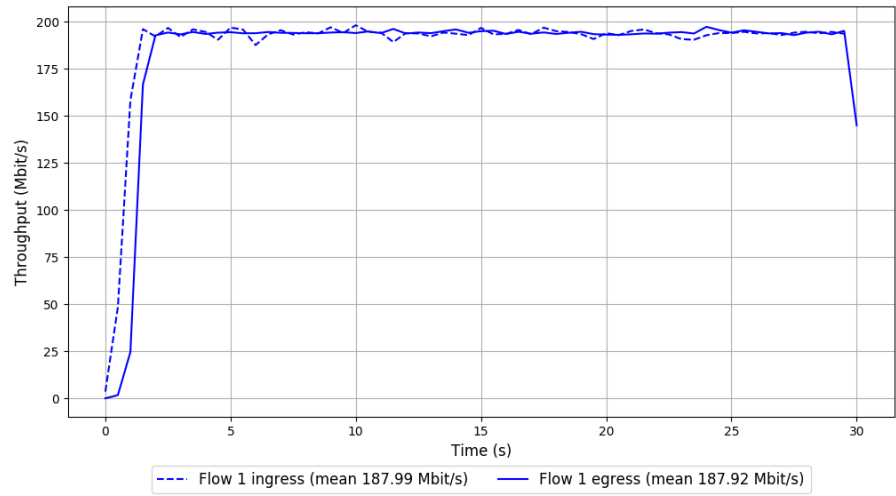
-- Flow 1:

Average throughput: 187.92 Mbit/s

95th percentile per-packet one-way delay: 71.025 ms

Loss rate: 0.43%

Run 9: Report of TCP Cubic — Data Link

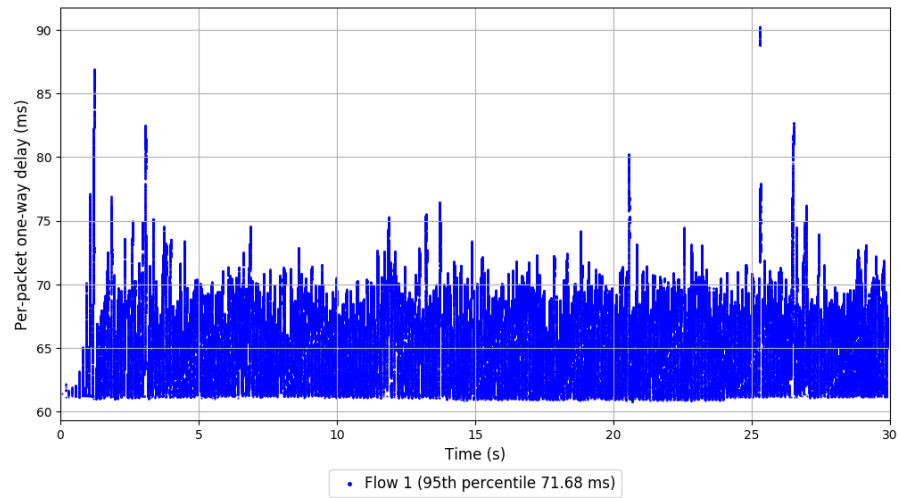
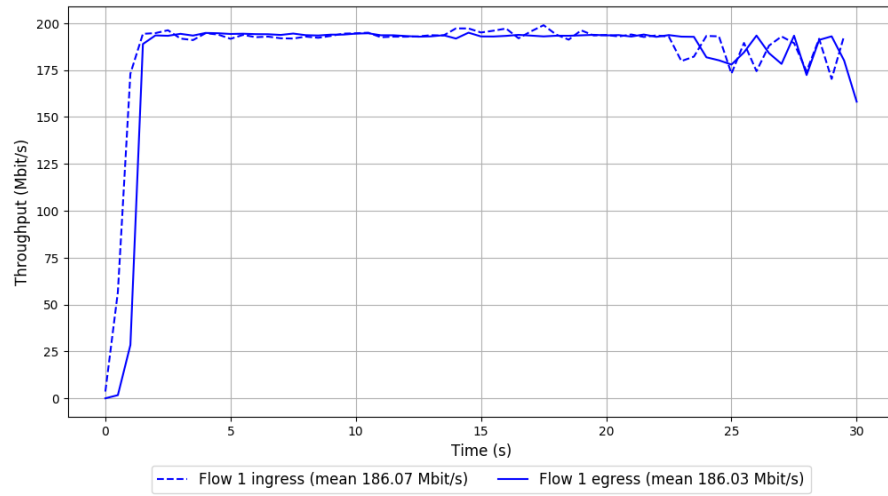


Run 10: Statistics of TCP Cubic

Start at: 2018-07-11 12:36:45
End at: 2018-07-11 12:37:15
Local clock offset: -0.005 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-11 13:05:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.03 Mbit/s
95th percentile per-packet one-way delay: 71.682 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 186.03 Mbit/s
95th percentile per-packet one-way delay: 71.682 ms
Loss rate: 0.43%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-11 09:16:37

End at: 2018-07-11 09:17:07

Local clock offset: -0.083 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-07-11 13:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 721.16 Mbit/s

95th percentile per-packet one-way delay: 255.108 ms

Loss rate: 5.78%

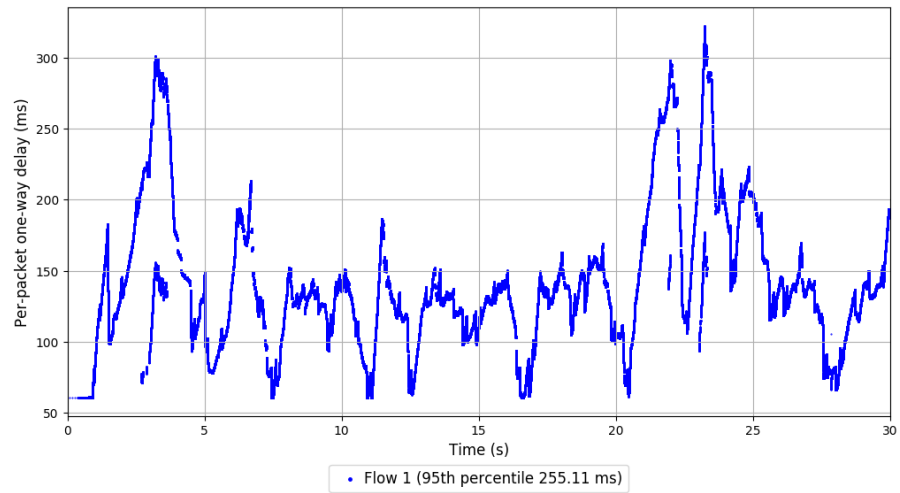
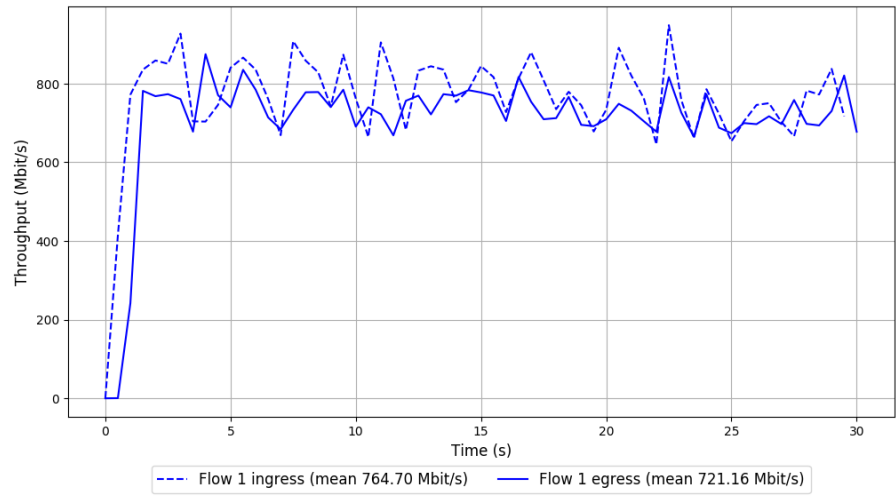
-- Flow 1:

Average throughput: 721.16 Mbit/s

95th percentile per-packet one-way delay: 255.108 ms

Loss rate: 5.78%

Run 1: Report of FillP — Data Link

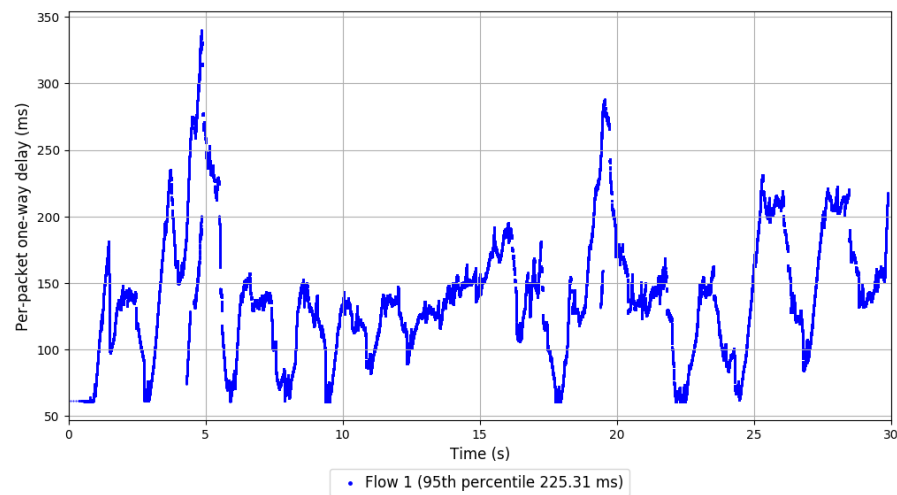
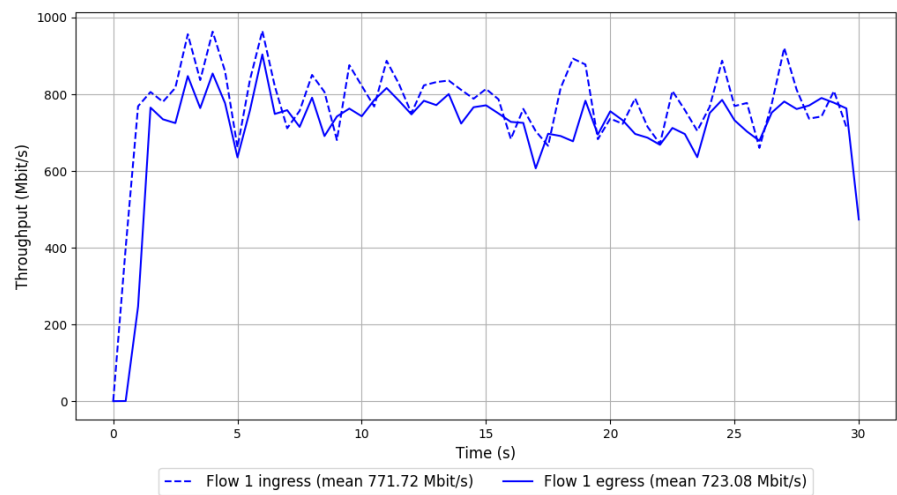


Run 2: Statistics of FillP

Start at: 2018-07-11 09:38:40
End at: 2018-07-11 09:39:10
Local clock offset: -0.127 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-11 13:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 723.08 Mbit/s
95th percentile per-packet one-way delay: 225.306 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 723.08 Mbit/s
95th percentile per-packet one-way delay: 225.306 ms
Loss rate: 6.69%

Run 2: Report of FillP — Data Link

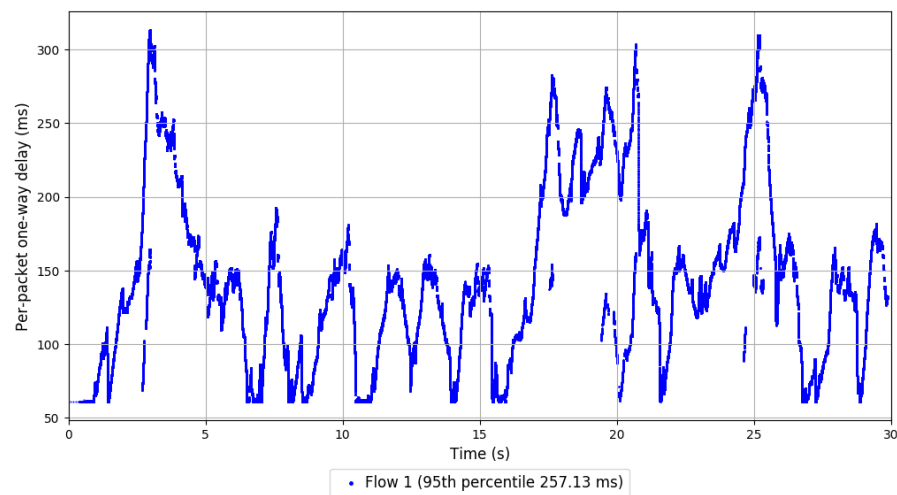
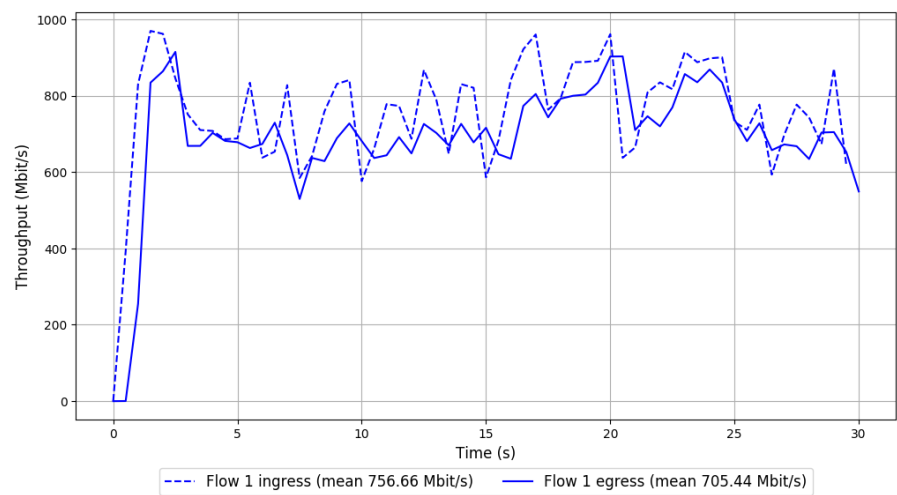


Run 3: Statistics of FillP

Start at: 2018-07-11 10:00:50
End at: 2018-07-11 10:01:20
Local clock offset: -0.066 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-11 13:20:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 705.44 Mbit/s
95th percentile per-packet one-way delay: 257.135 ms
Loss rate: 7.15%
-- Flow 1:
Average throughput: 705.44 Mbit/s
95th percentile per-packet one-way delay: 257.135 ms
Loss rate: 7.15%

Run 3: Report of FillP — Data Link

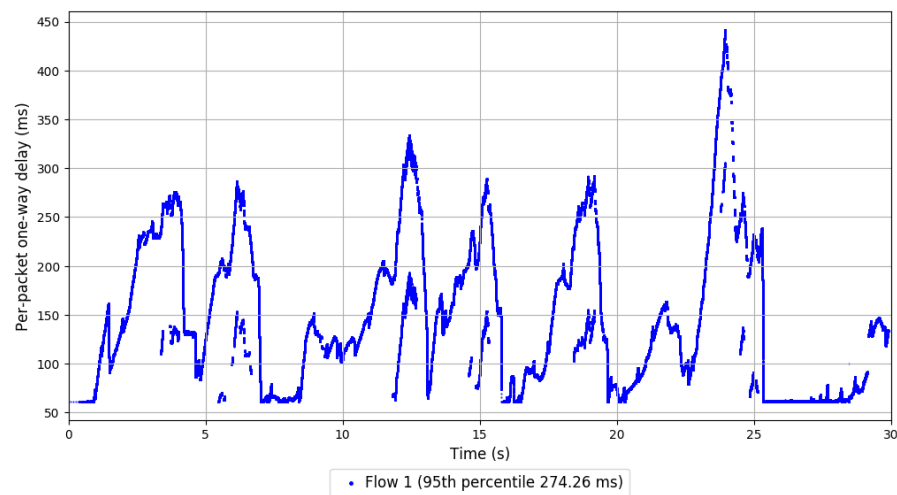
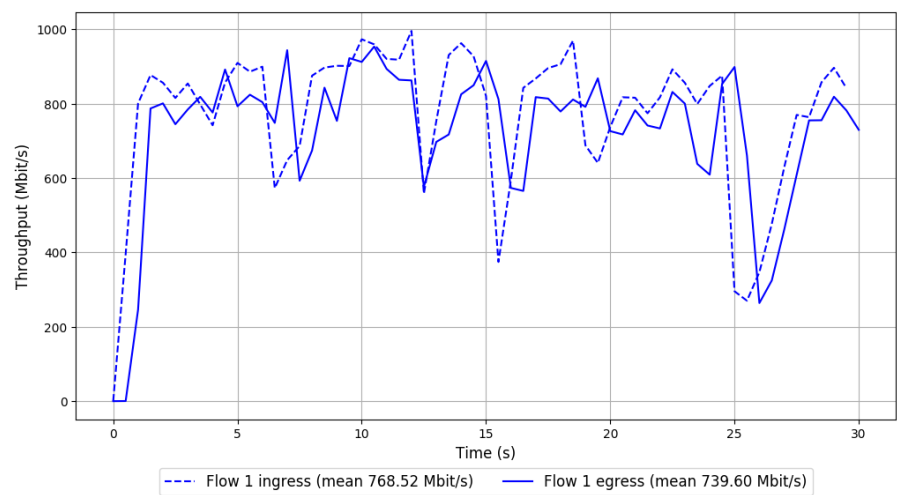


Run 4: Statistics of FillP

Start at: 2018-07-11 10:22:38
End at: 2018-07-11 10:23:08
Local clock offset: -0.057 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-07-11 13:21:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 739.60 Mbit/s
95th percentile per-packet one-way delay: 274.259 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 739.60 Mbit/s
95th percentile per-packet one-way delay: 274.259 ms
Loss rate: 4.16%

Run 4: Report of FillP — Data Link

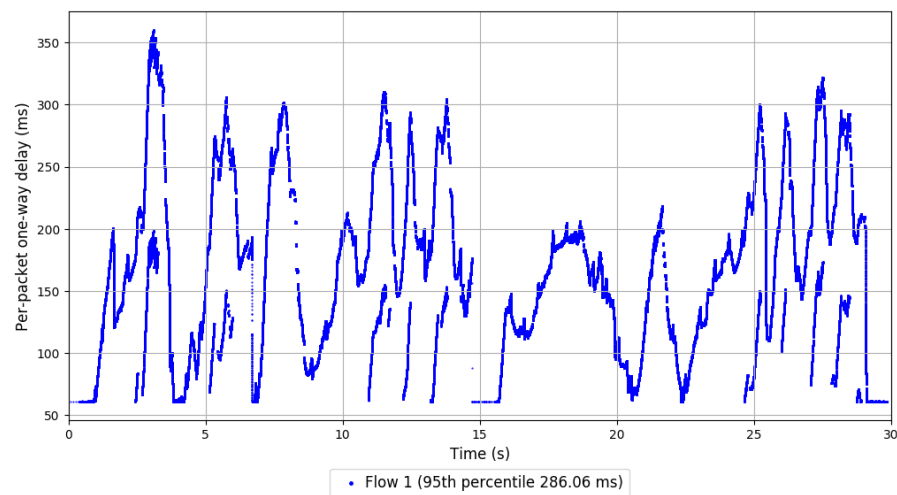
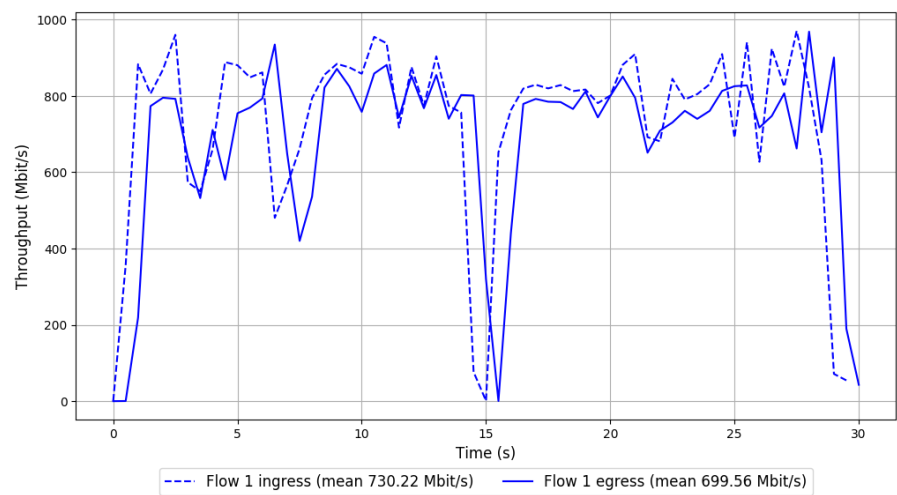


Run 5: Statistics of FillP

Start at: 2018-07-11 10:44:34
End at: 2018-07-11 10:45:04
Local clock offset: -0.044 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-11 13:21:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 699.56 Mbit/s
95th percentile per-packet one-way delay: 286.058 ms
Loss rate: 4.59%
-- Flow 1:
Average throughput: 699.56 Mbit/s
95th percentile per-packet one-way delay: 286.058 ms
Loss rate: 4.59%

Run 5: Report of FillP — Data Link

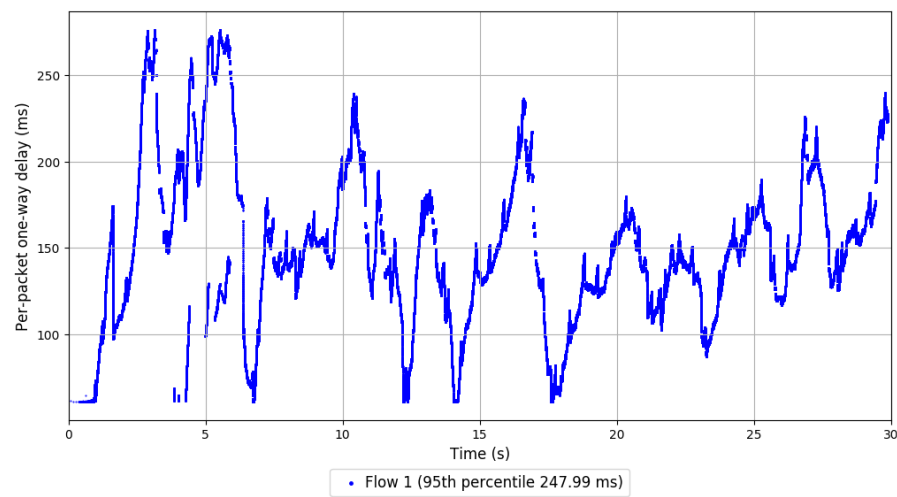
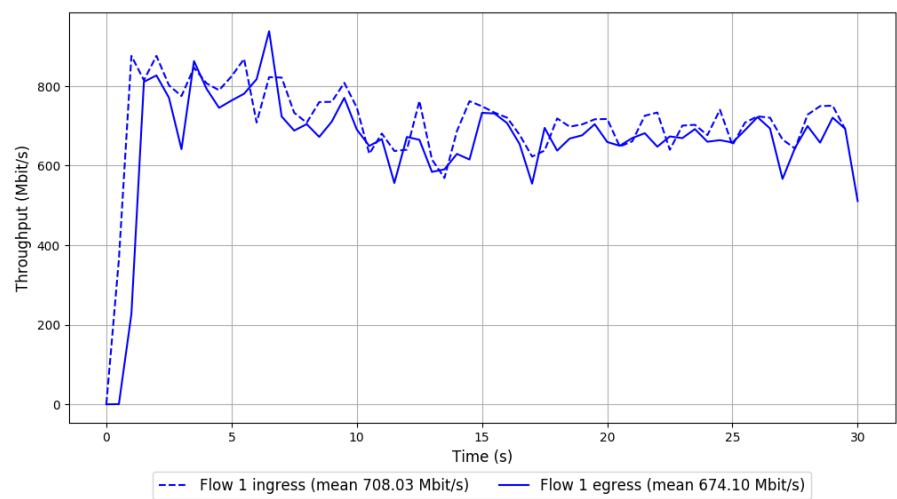


Run 6: Statistics of FillP

Start at: 2018-07-11 11:06:27
End at: 2018-07-11 11:06:57
Local clock offset: -0.083 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-07-11 13:21:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 674.10 Mbit/s
95th percentile per-packet one-way delay: 247.985 ms
Loss rate: 5.19%
-- Flow 1:
Average throughput: 674.10 Mbit/s
95th percentile per-packet one-way delay: 247.985 ms
Loss rate: 5.19%

Run 6: Report of FillP — Data Link

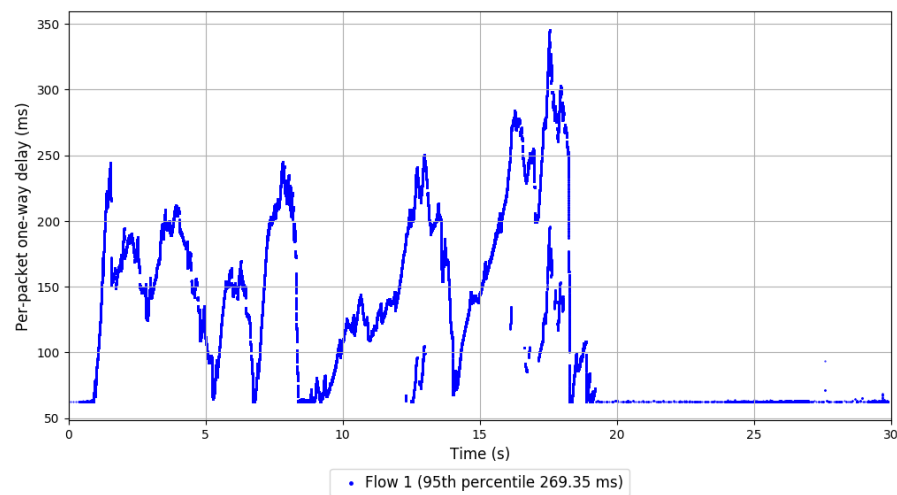
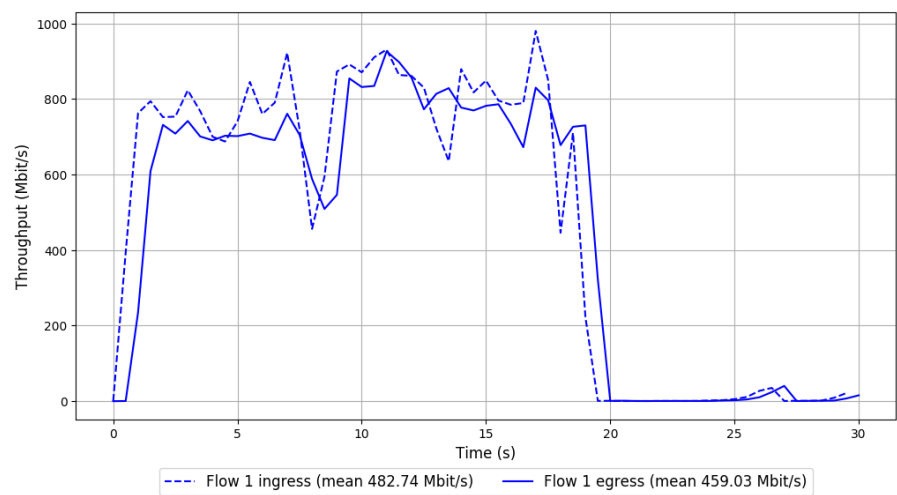


Run 7: Statistics of FillP

Start at: 2018-07-11 11:28:53
End at: 2018-07-11 11:29:23
Local clock offset: -0.042 ms
Remote clock offset: -1.575 ms

Below is generated by plot.py at 2018-07-11 13:21:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 459.03 Mbit/s
95th percentile per-packet one-way delay: 269.349 ms
Loss rate: 5.30%
-- Flow 1:
Average throughput: 459.03 Mbit/s
95th percentile per-packet one-way delay: 269.349 ms
Loss rate: 5.30%

Run 7: Report of FillP — Data Link

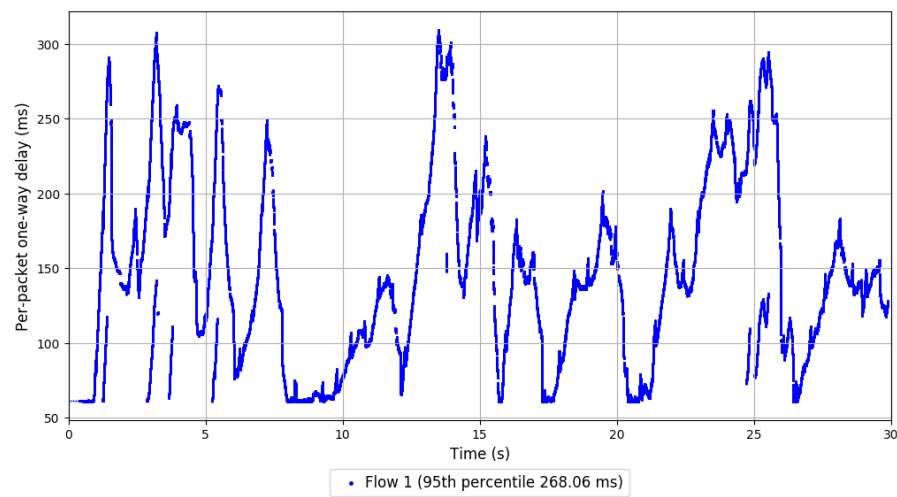
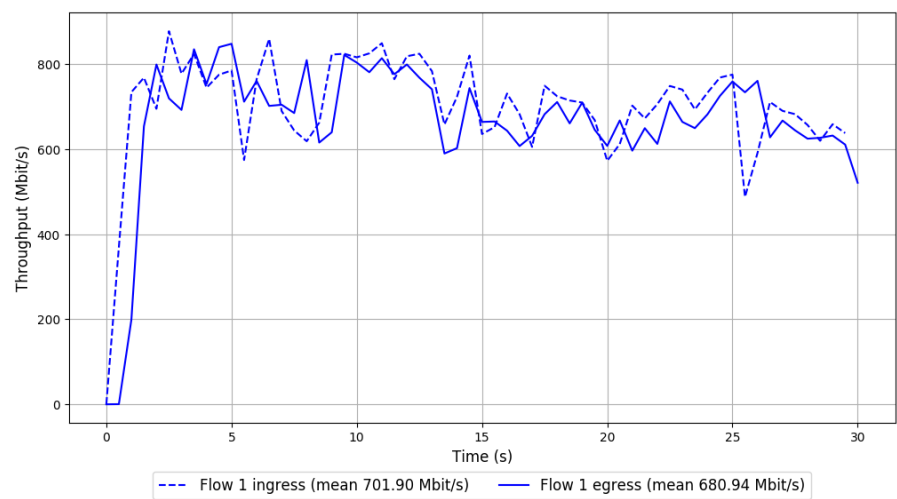


Run 8: Statistics of FillP

Start at: 2018-07-11 11:51:02
End at: 2018-07-11 11:51:32
Local clock offset: -0.062 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-11 13:21:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 680.94 Mbit/s
95th percentile per-packet one-way delay: 268.055 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 680.94 Mbit/s
95th percentile per-packet one-way delay: 268.055 ms
Loss rate: 3.38%

Run 8: Report of FillP — Data Link

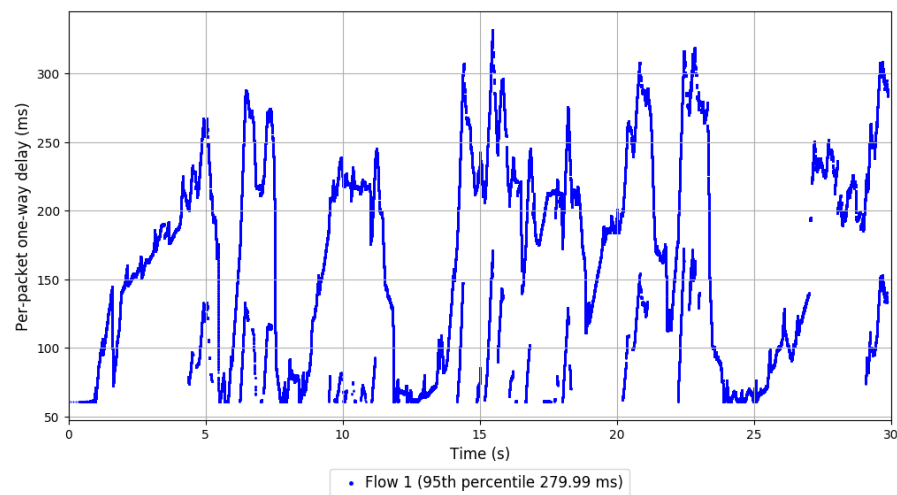
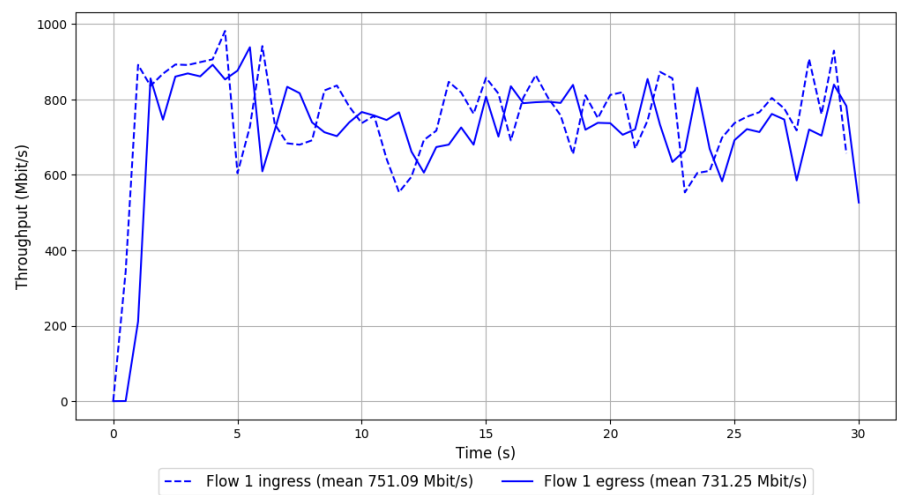


Run 9: Statistics of FillP

Start at: 2018-07-11 12:13:10
End at: 2018-07-11 12:13:40
Local clock offset: -0.081 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-11 13:33:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 731.25 Mbit/s
95th percentile per-packet one-way delay: 279.988 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 731.25 Mbit/s
95th percentile per-packet one-way delay: 279.988 ms
Loss rate: 3.04%

Run 9: Report of FillP — Data Link

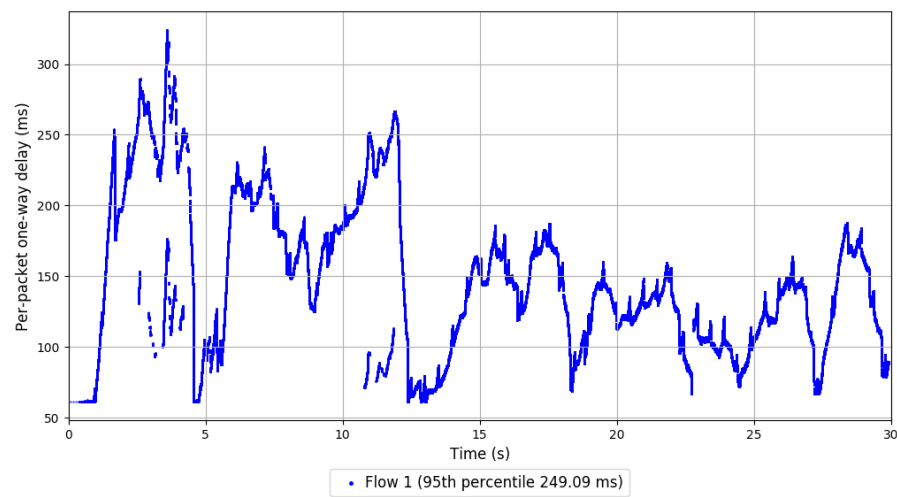
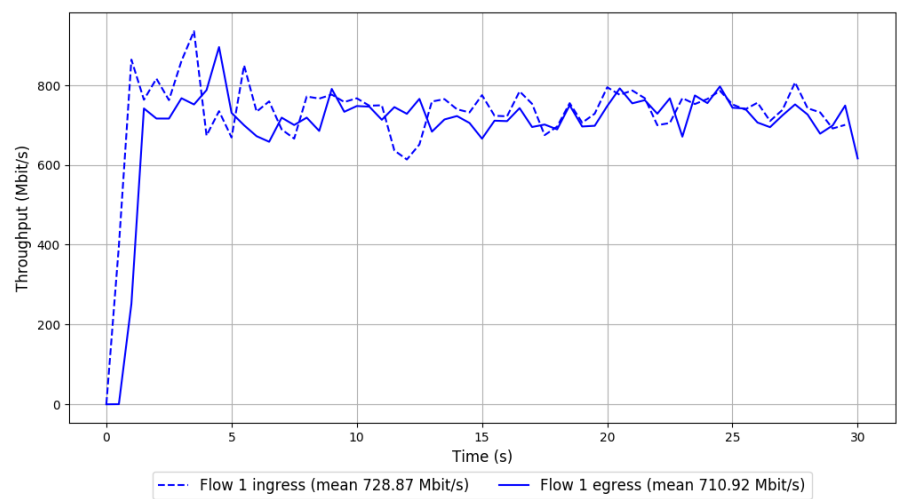


Run 10: Statistics of FillP

Start at: 2018-07-11 12:35:09
End at: 2018-07-11 12:35:39
Local clock offset: -0.002 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-11 13:34:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 710.92 Mbit/s
95th percentile per-packet one-way delay: 249.086 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 710.92 Mbit/s
95th percentile per-packet one-way delay: 249.086 ms
Loss rate: 2.86%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-11 09:02:30

End at: 2018-07-11 09:03:00

Local clock offset: -0.054 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-07-11 13:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 688.60 Mbit/s

95th percentile per-packet one-way delay: 248.323 ms

Loss rate: 12.63%

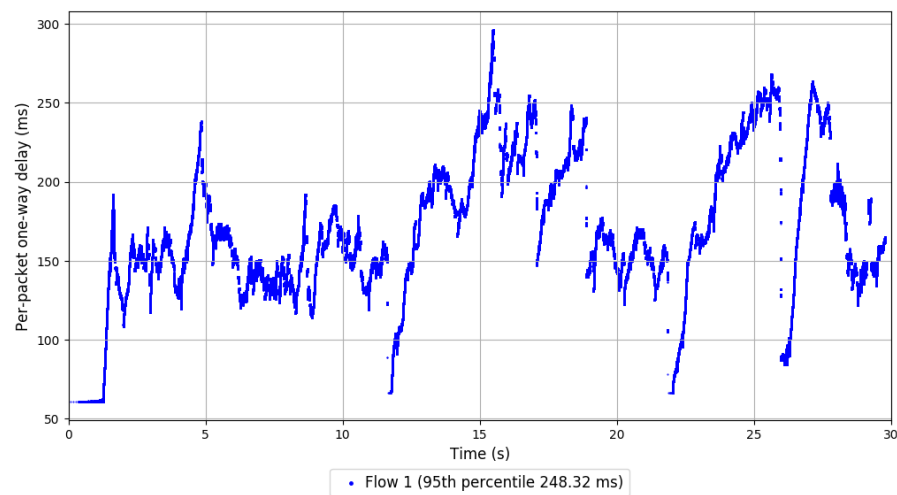
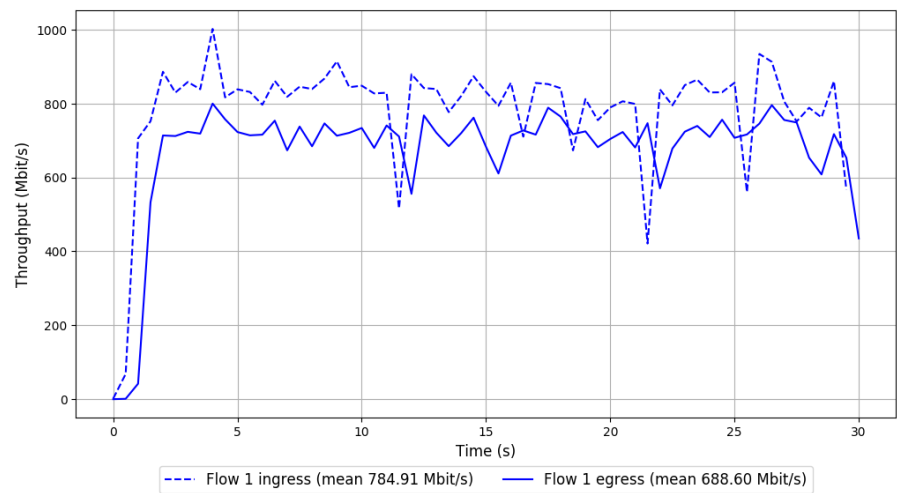
-- Flow 1:

Average throughput: 688.60 Mbit/s

95th percentile per-packet one-way delay: 248.323 ms

Loss rate: 12.63%

Run 1: Report of FillP-Sheep — Data Link

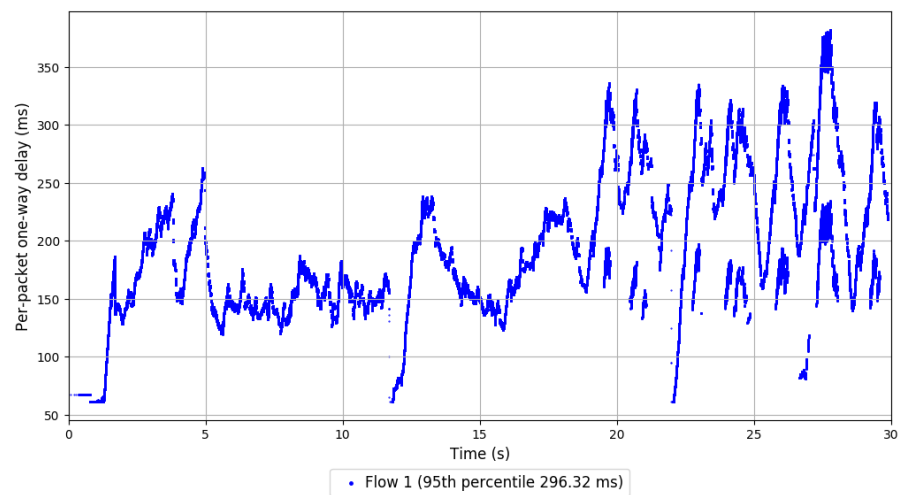
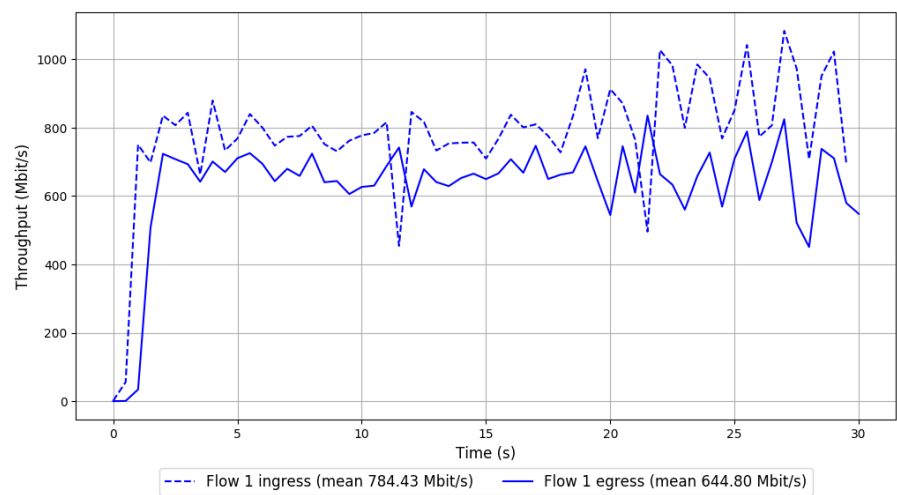


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-11 09:24:48
End at: 2018-07-11 09:25:18
Local clock offset: -0.067 ms
Remote clock offset: -0.459 ms

Below is generated by plot.py at 2018-07-11 13:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 644.80 Mbit/s
95th percentile per-packet one-way delay: 296.318 ms
Loss rate: 18.17%
-- Flow 1:
Average throughput: 644.80 Mbit/s
95th percentile per-packet one-way delay: 296.318 ms
Loss rate: 18.17%

Run 2: Report of FillP-Sheep — Data Link

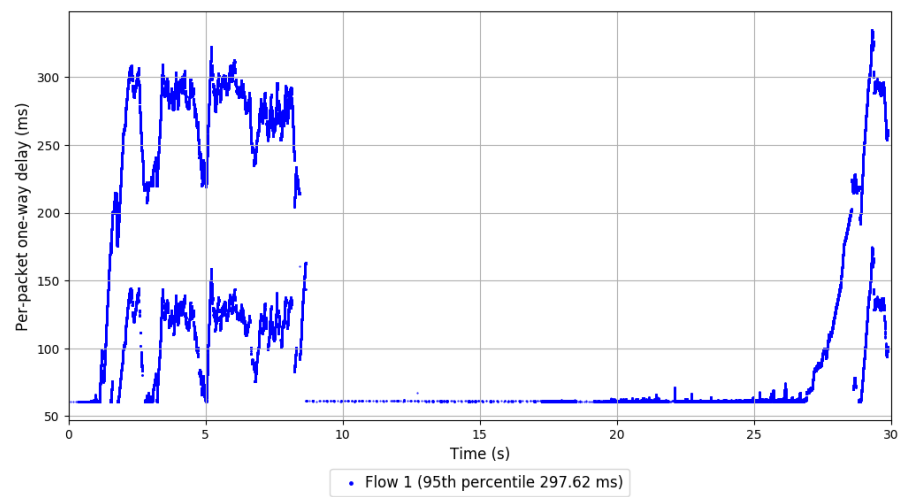
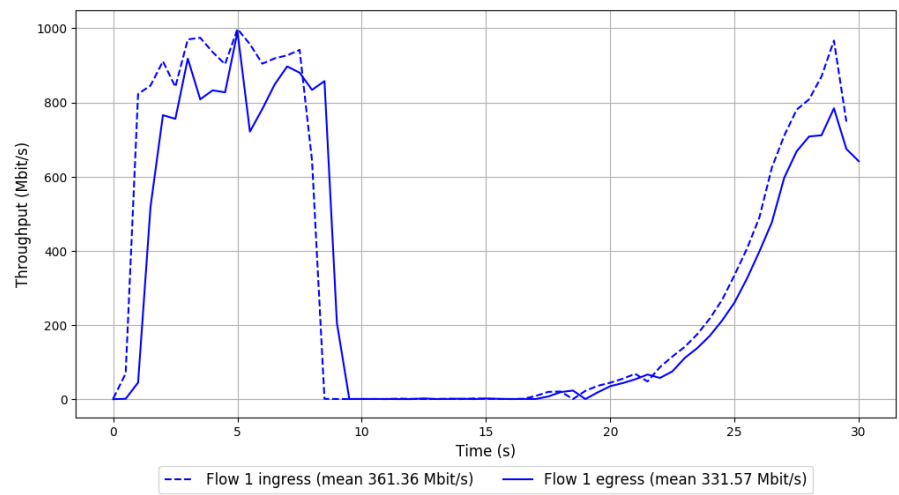


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-11 09:46:50
End at: 2018-07-11 09:47:20
Local clock offset: -0.037 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-11 13:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.57 Mbit/s
95th percentile per-packet one-way delay: 297.616 ms
Loss rate: 8.62%
-- Flow 1:
Average throughput: 331.57 Mbit/s
95th percentile per-packet one-way delay: 297.616 ms
Loss rate: 8.62%

Run 3: Report of FillP-Sheep — Data Link

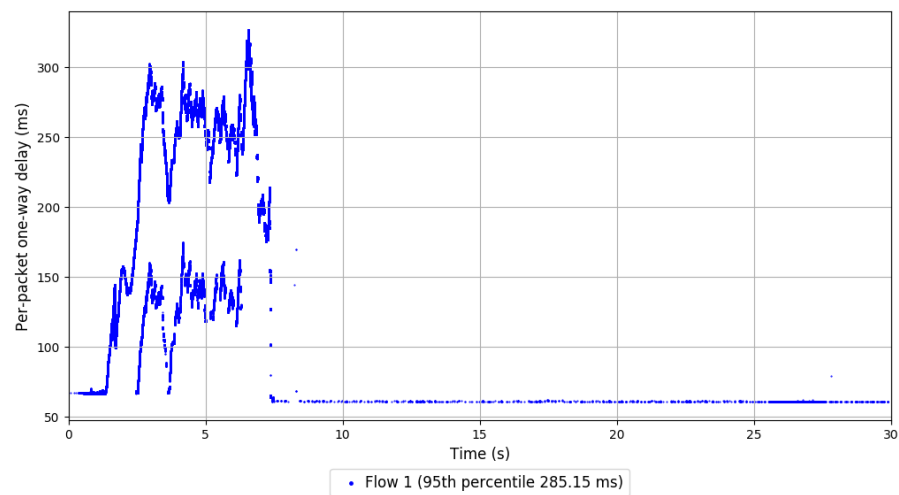
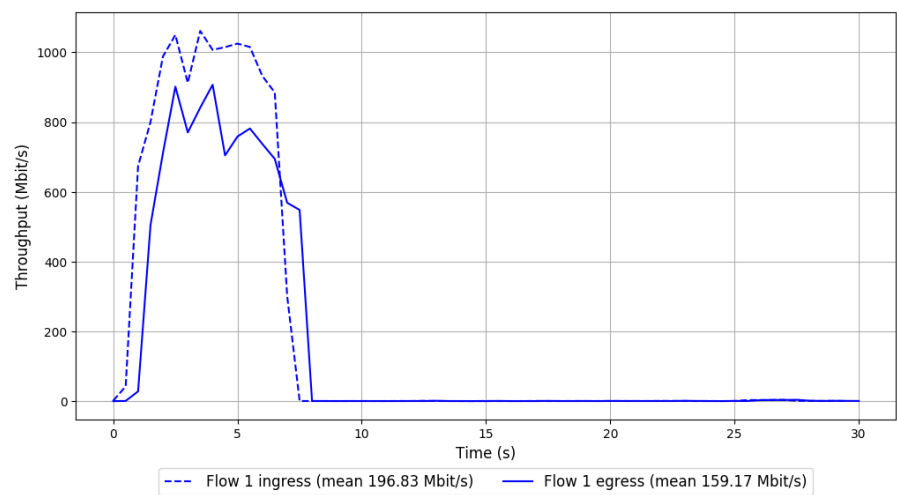


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-11 10:09:04
End at: 2018-07-11 10:09:34
Local clock offset: -0.074 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-11 13:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.17 Mbit/s
95th percentile per-packet one-way delay: 285.151 ms
Loss rate: 19.18%
-- Flow 1:
Average throughput: 159.17 Mbit/s
95th percentile per-packet one-way delay: 285.151 ms
Loss rate: 19.18%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-11 10:30:43

End at: 2018-07-11 10:31:13

Local clock offset: 0.002 ms

Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-11 13:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 558.62 Mbit/s

95th percentile per-packet one-way delay: 296.227 ms

Loss rate: 13.96%

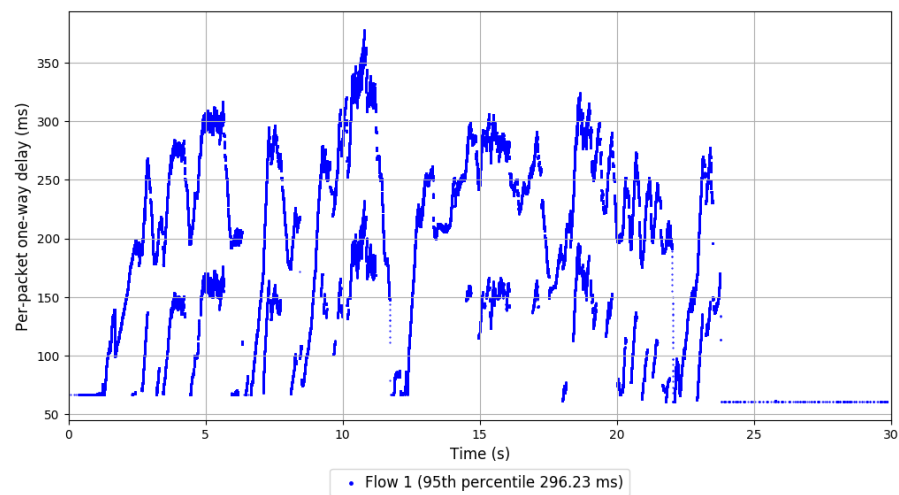
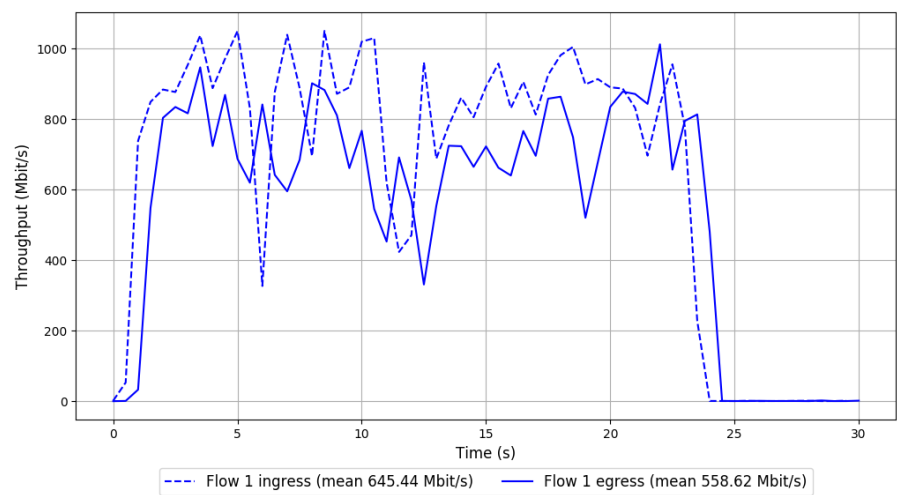
-- Flow 1:

Average throughput: 558.62 Mbit/s

95th percentile per-packet one-way delay: 296.227 ms

Loss rate: 13.96%

Run 5: Report of FillP-Sheep — Data Link

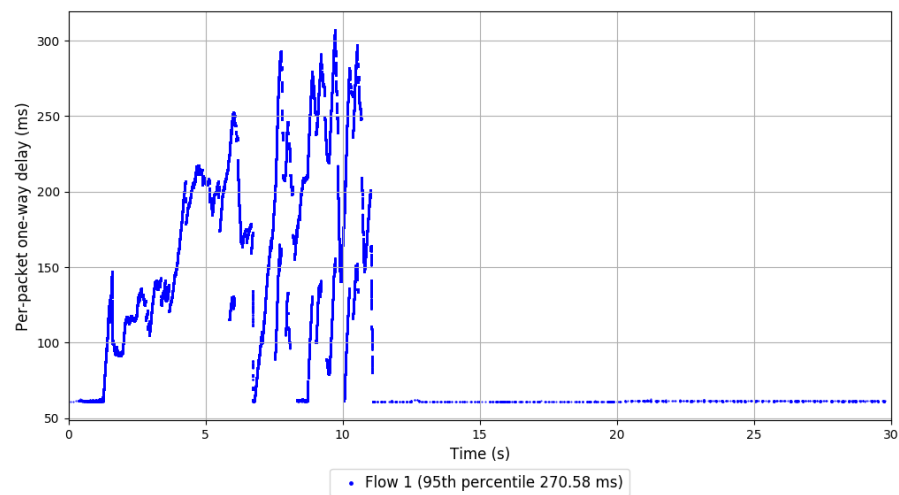
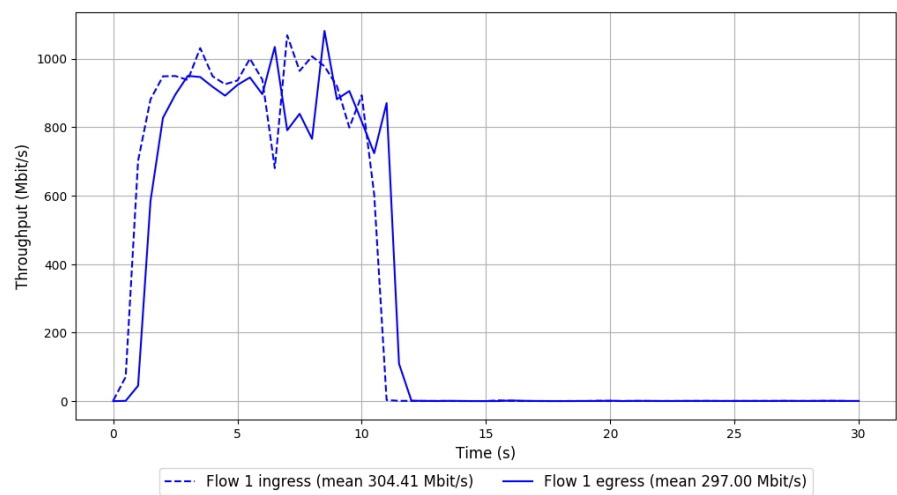


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-11 10:52:39
End at: 2018-07-11 10:53:09
Local clock offset: -0.065 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-11 13:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.00 Mbit/s
95th percentile per-packet one-way delay: 270.579 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 297.00 Mbit/s
95th percentile per-packet one-way delay: 270.579 ms
Loss rate: 3.00%

Run 6: Report of FillP-Sheep — Data Link

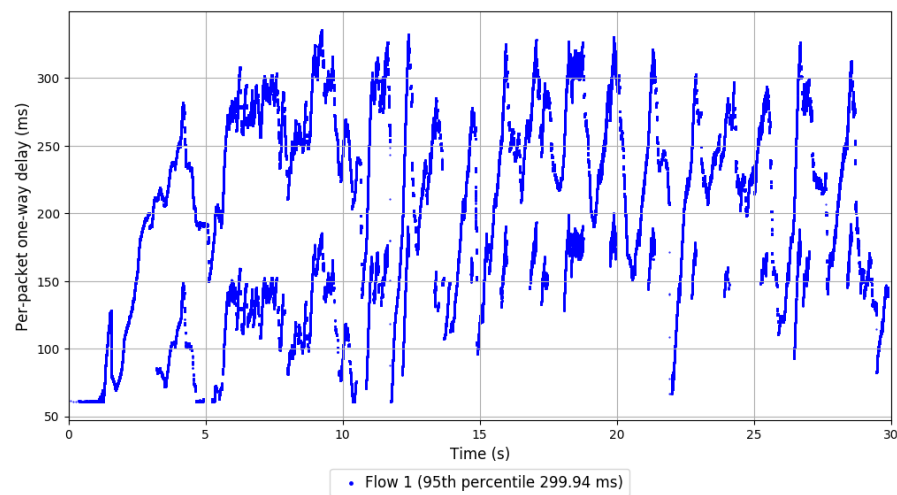
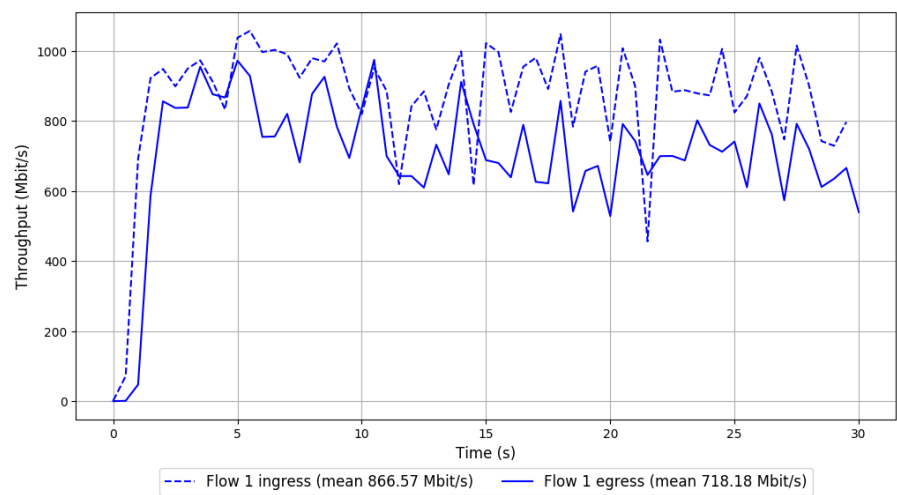


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-11 11:14:32
End at: 2018-07-11 11:15:02
Local clock offset: -0.075 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-11 13:42:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 718.18 Mbit/s
95th percentile per-packet one-way delay: 299.940 ms
Loss rate: 17.46%
-- Flow 1:
Average throughput: 718.18 Mbit/s
95th percentile per-packet one-way delay: 299.940 ms
Loss rate: 17.46%

Run 7: Report of FillP-Sheep — Data Link

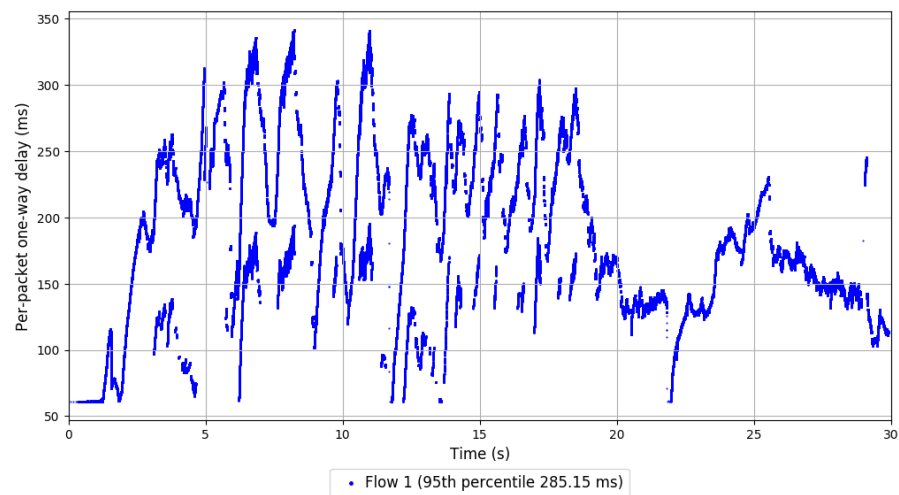
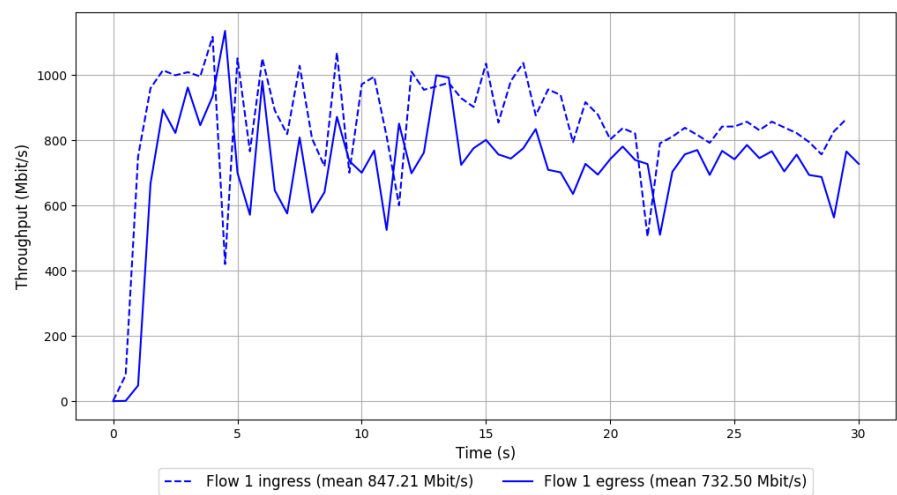


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-11 11:36:47
End at: 2018-07-11 11:37:17
Local clock offset: -0.077 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-07-11 13:46:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 732.50 Mbit/s
95th percentile per-packet one-way delay: 285.148 ms
Loss rate: 13.90%
-- Flow 1:
Average throughput: 732.50 Mbit/s
95th percentile per-packet one-way delay: 285.148 ms
Loss rate: 13.90%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-11 11:59:07

End at: 2018-07-11 11:59:37

Local clock offset: -0.042 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-11 13:46:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 576.00 Mbit/s

95th percentile per-packet one-way delay: 269.225 ms

Loss rate: 5.34%

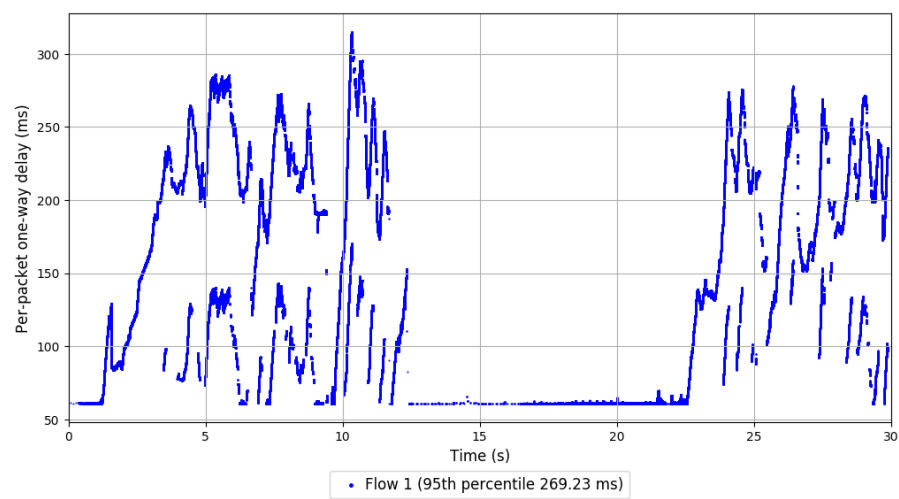
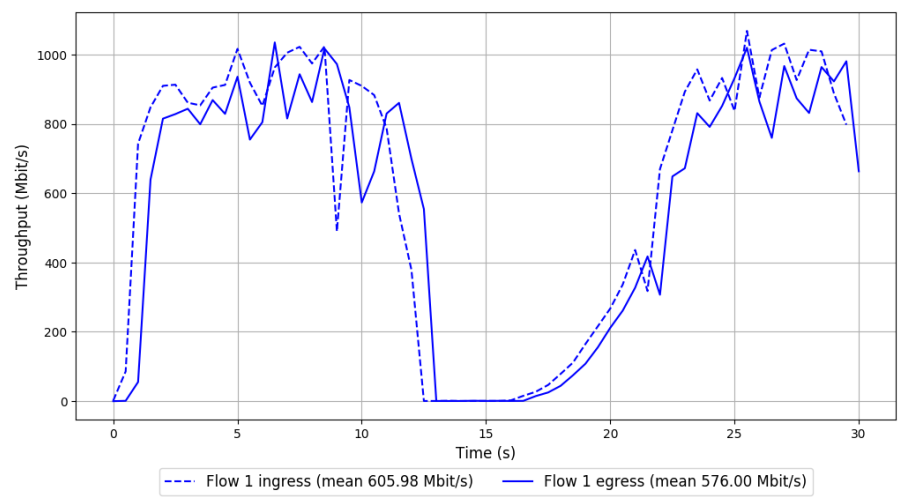
-- Flow 1:

Average throughput: 576.00 Mbit/s

95th percentile per-packet one-way delay: 269.225 ms

Loss rate: 5.34%

Run 9: Report of FillP-Sheep — Data Link

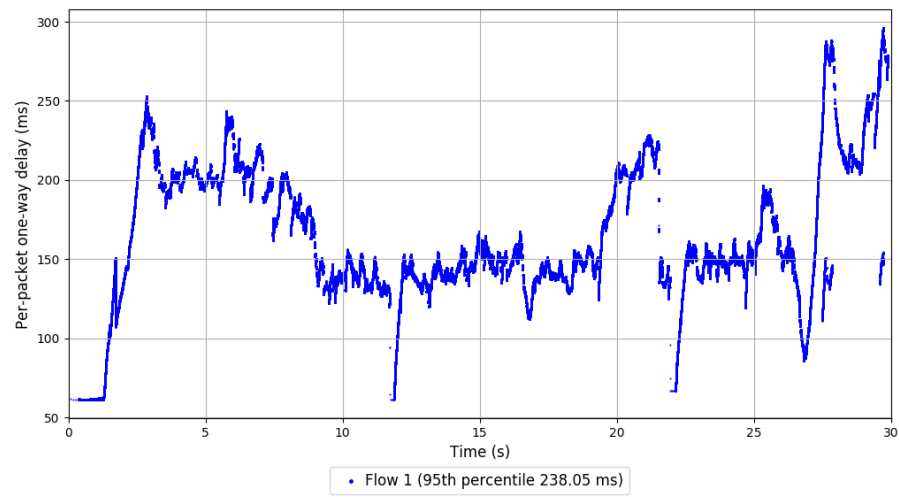
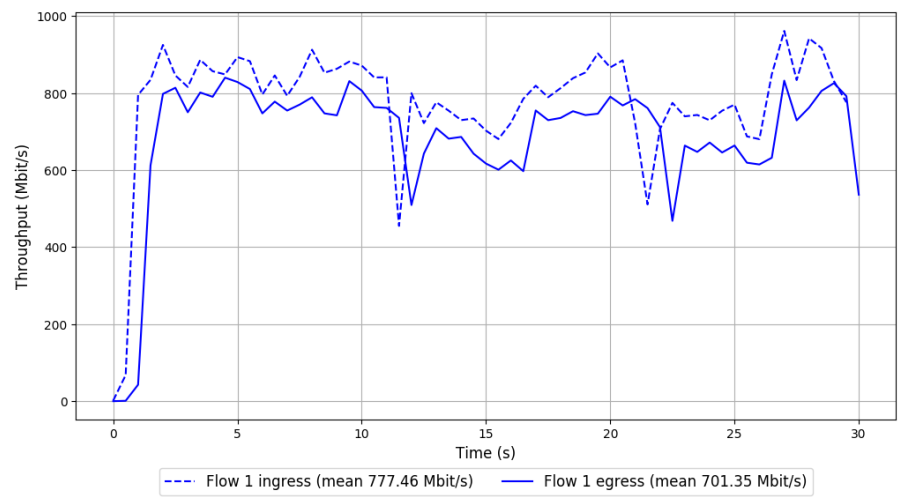


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-11 12:21:12
End at: 2018-07-11 12:21:42
Local clock offset: -0.069 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 701.35 Mbit/s
95th percentile per-packet one-way delay: 238.049 ms
Loss rate: 10.18%
-- Flow 1:
Average throughput: 701.35 Mbit/s
95th percentile per-packet one-way delay: 238.049 ms
Loss rate: 10.18%

Run 10: Report of FillP-Sheep — Data Link

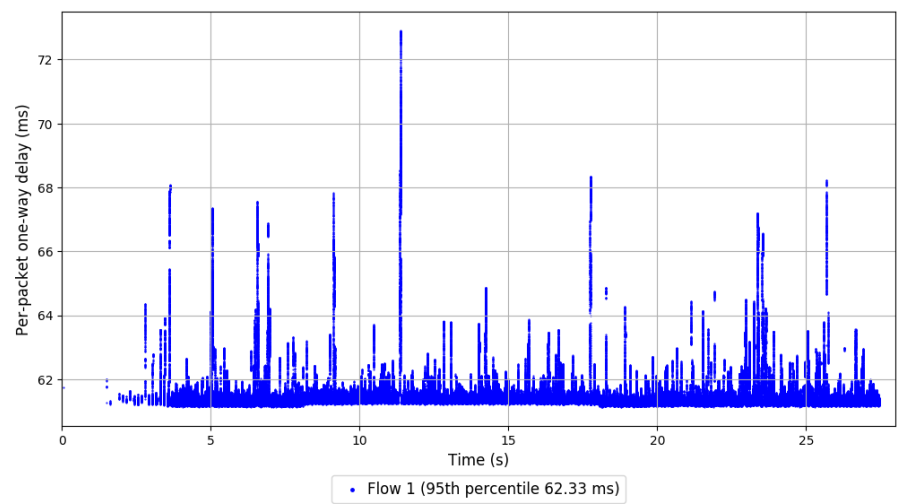
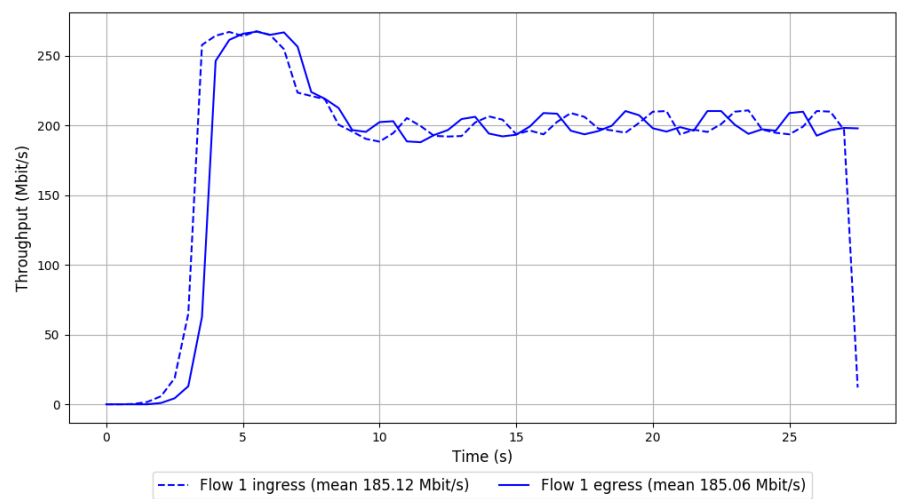


Run 1: Statistics of Indigo

Start at: 2018-07-11 09:06:18
End at: 2018-07-11 09:06:48
Local clock offset: -0.058 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.06 Mbit/s
95th percentile per-packet one-way delay: 62.331 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 185.06 Mbit/s
95th percentile per-packet one-way delay: 62.331 ms
Loss rate: 0.51%

Run 1: Report of Indigo — Data Link

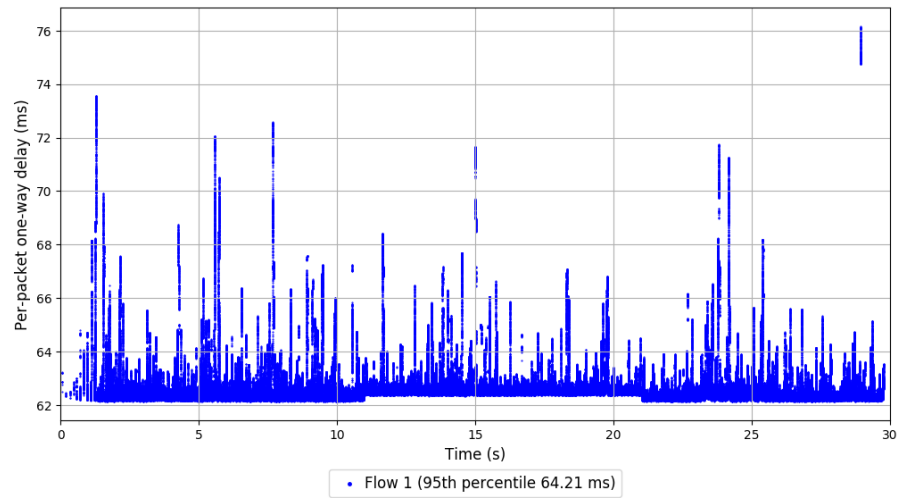
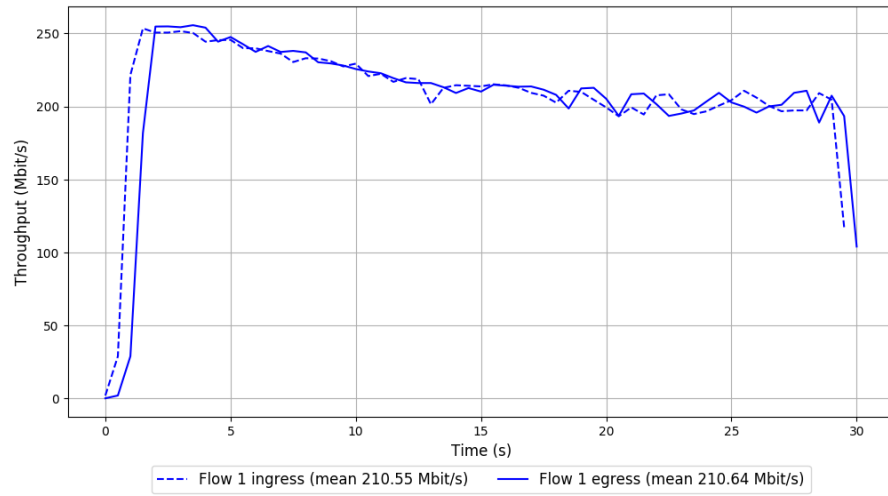


Run 2: Statistics of Indigo

Start at: 2018-07-11 09:28:38
End at: 2018-07-11 09:29:08
Local clock offset: -0.082 ms
Remote clock offset: -1.519 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.64 Mbit/s
95th percentile per-packet one-way delay: 64.207 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 210.64 Mbit/s
95th percentile per-packet one-way delay: 64.207 ms
Loss rate: 0.37%

Run 2: Report of Indigo — Data Link

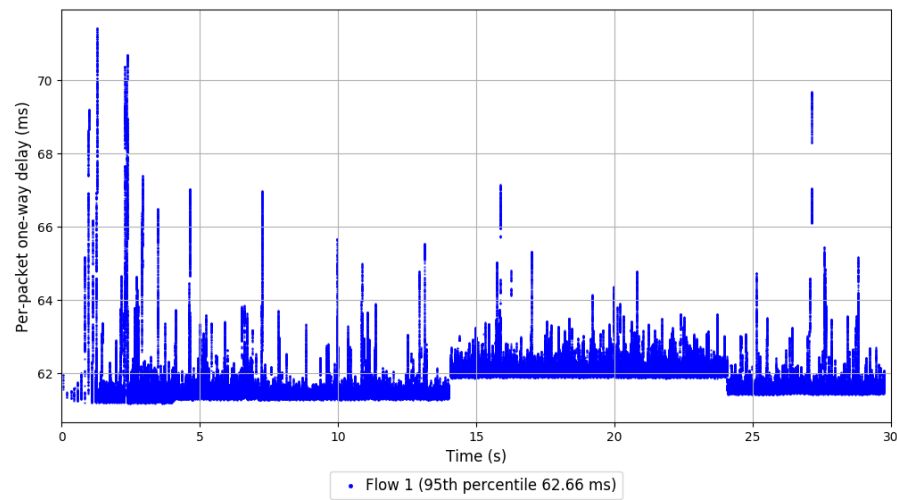
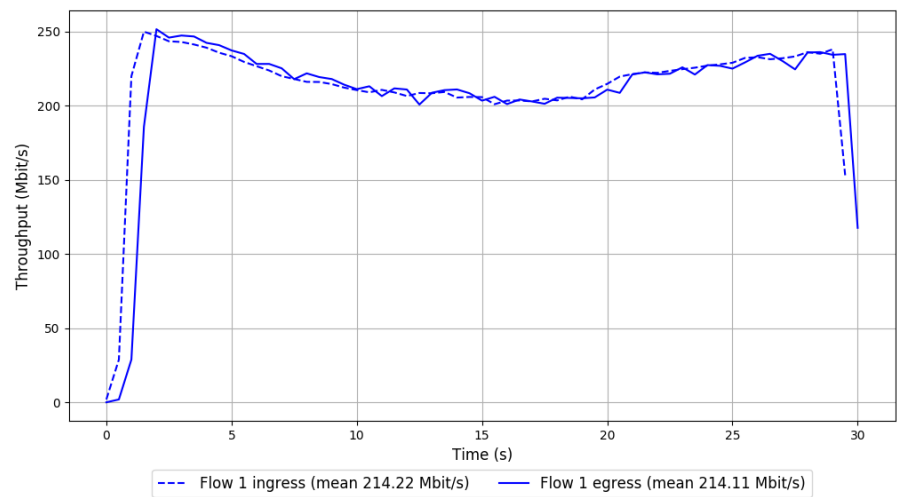


Run 3: Statistics of Indigo

Start at: 2018-07-11 09:50:25
End at: 2018-07-11 09:50:55
Local clock offset: -0.051 ms
Remote clock offset: -0.567 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.11 Mbit/s
95th percentile per-packet one-way delay: 62.660 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 214.11 Mbit/s
95th percentile per-packet one-way delay: 62.660 ms
Loss rate: 0.46%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-11 10:12:30

End at: 2018-07-11 10:13:00

Local clock offset: -0.086 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-11 13:50:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.92 Mbit/s

95th percentile per-packet one-way delay: 66.853 ms

Loss rate: 0.42%

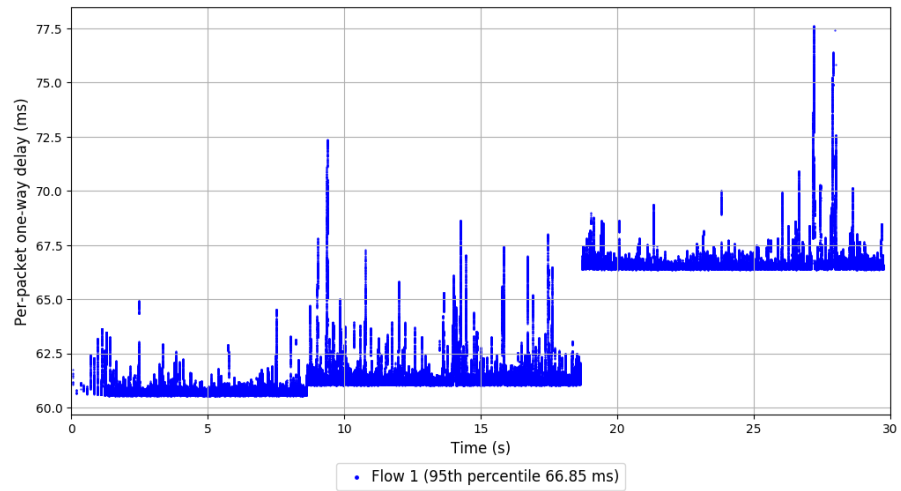
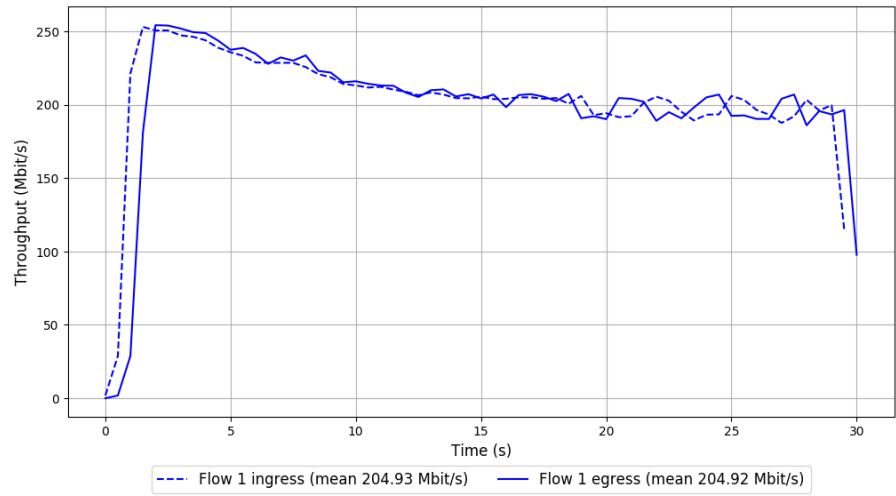
-- Flow 1:

Average throughput: 204.92 Mbit/s

95th percentile per-packet one-way delay: 66.853 ms

Loss rate: 0.42%

Run 4: Report of Indigo — Data Link

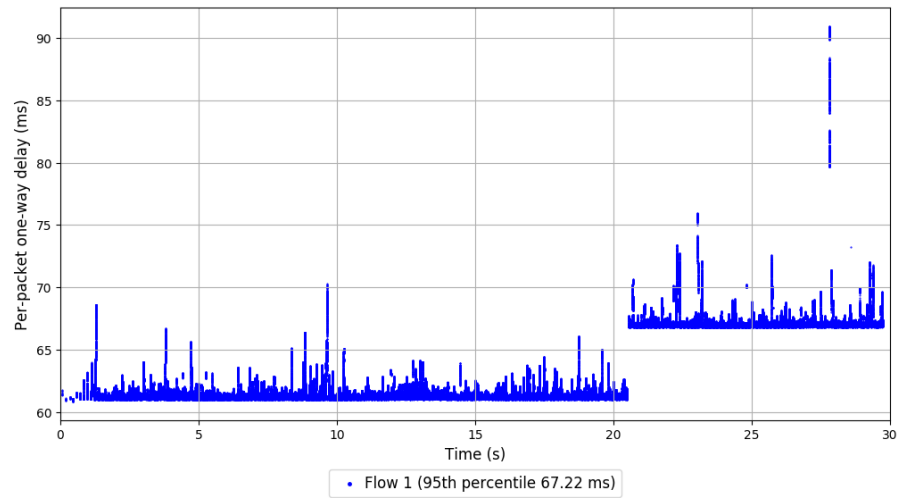
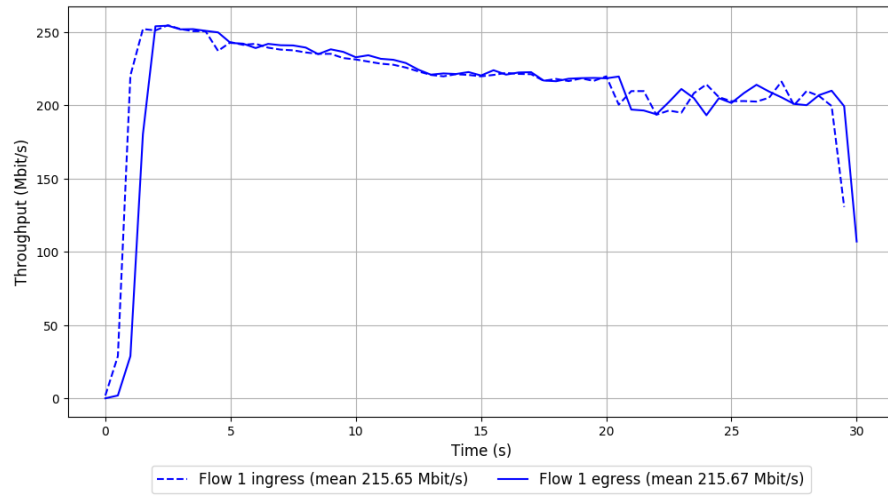


Run 5: Statistics of Indigo

Start at: 2018-07-11 10:34:28
End at: 2018-07-11 10:34:58
Local clock offset: -0.074 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.67 Mbit/s
95th percentile per-packet one-way delay: 67.219 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 215.67 Mbit/s
95th percentile per-packet one-way delay: 67.219 ms
Loss rate: 0.42%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-11 10:56:10

End at: 2018-07-11 10:56:40

Local clock offset: -0.061 ms

Remote clock offset: 1.296 ms

Below is generated by plot.py at 2018-07-11 13:50:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.97 Mbit/s

95th percentile per-packet one-way delay: 60.441 ms

Loss rate: 0.51%

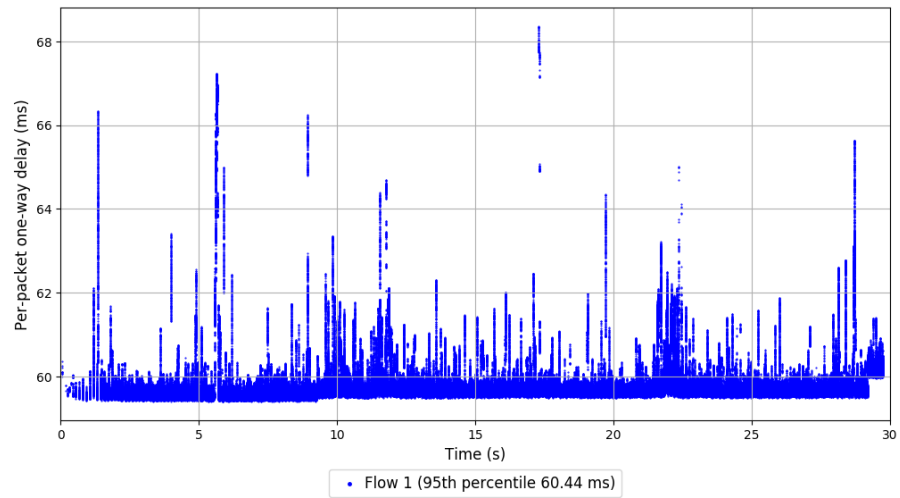
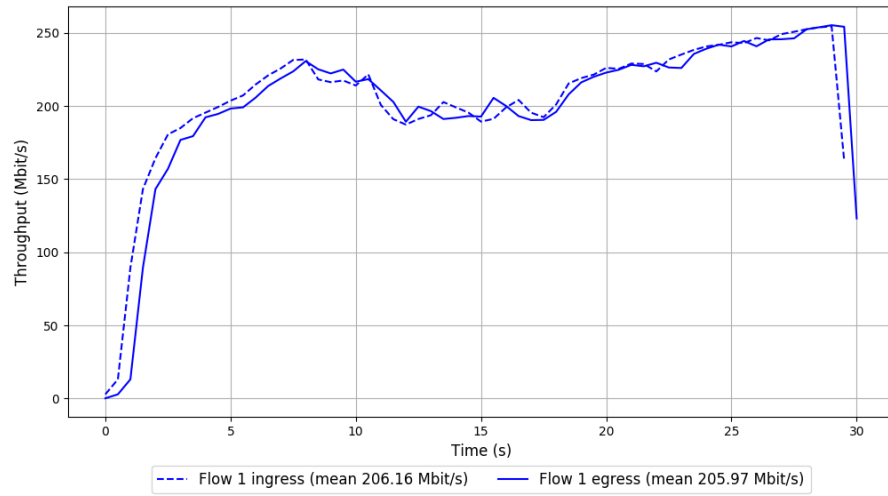
-- Flow 1:

Average throughput: 205.97 Mbit/s

95th percentile per-packet one-way delay: 60.441 ms

Loss rate: 0.51%

Run 6: Report of Indigo — Data Link

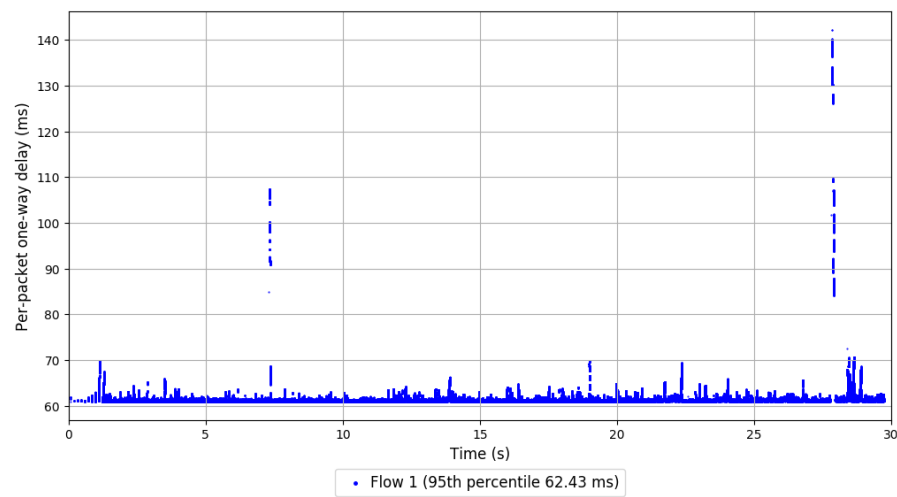
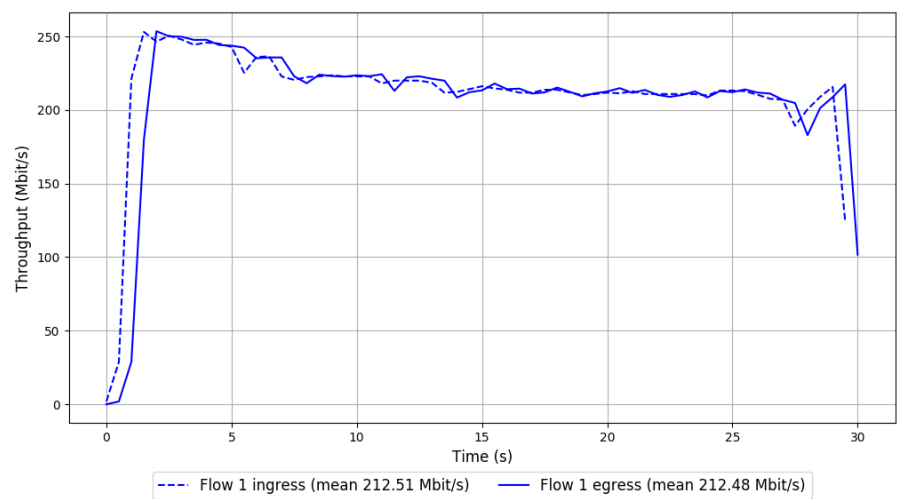


Run 7: Statistics of Indigo

Start at: 2018-07-11 11:18:28
End at: 2018-07-11 11:18:58
Local clock offset: -0.032 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.48 Mbit/s
95th percentile per-packet one-way delay: 62.428 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 212.48 Mbit/s
95th percentile per-packet one-way delay: 62.428 ms
Loss rate: 0.43%

Run 7: Report of Indigo — Data Link

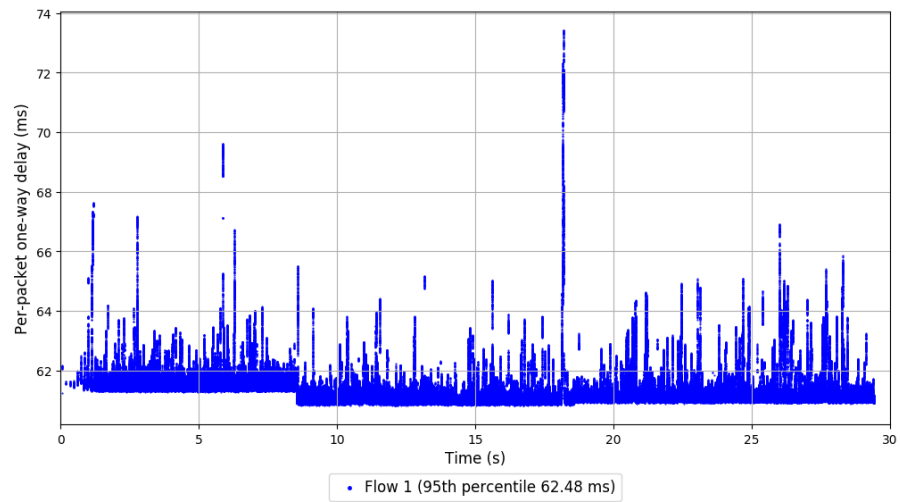
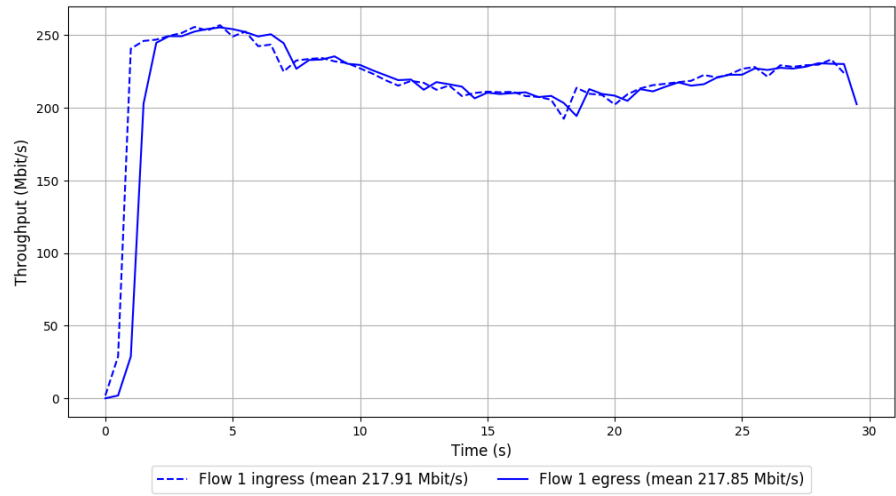


Run 8: Statistics of Indigo

Start at: 2018-07-11 11:40:40
End at: 2018-07-11 11:41:10
Local clock offset: -0.05 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.85 Mbit/s
95th percentile per-packet one-way delay: 62.478 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 217.85 Mbit/s
95th percentile per-packet one-way delay: 62.478 ms
Loss rate: 0.44%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-11 12:02:53

End at: 2018-07-11 12:03:23

Local clock offset: -0.048 ms

Remote clock offset: 1.185 ms

Below is generated by plot.py at 2018-07-11 13:50:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.68 Mbit/s

95th percentile per-packet one-way delay: 62.170 ms

Loss rate: 0.58%

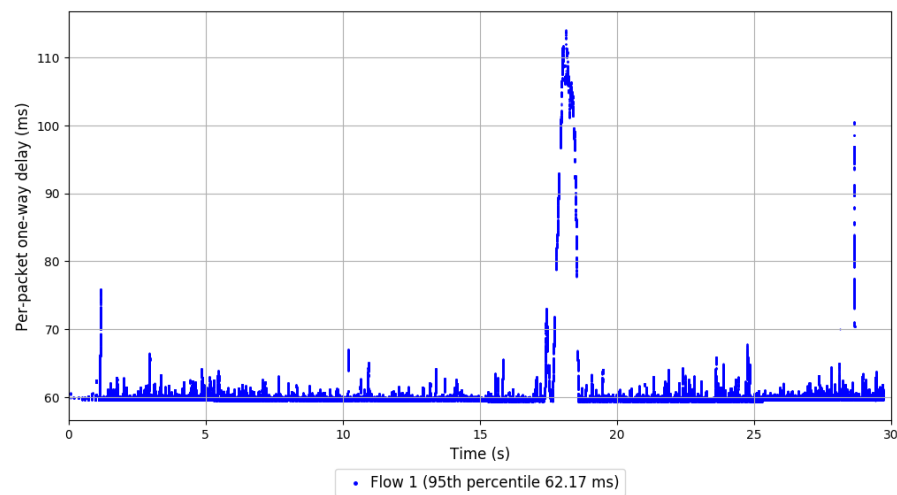
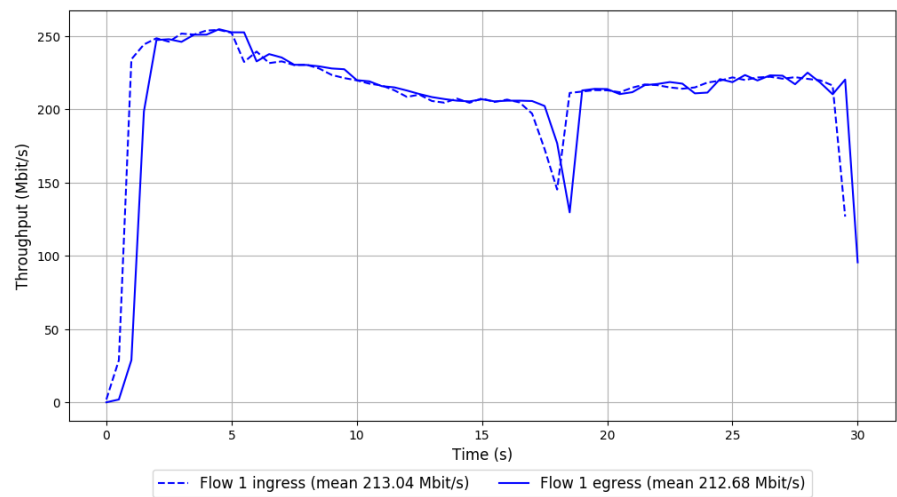
-- Flow 1:

Average throughput: 212.68 Mbit/s

95th percentile per-packet one-way delay: 62.170 ms

Loss rate: 0.58%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-11 12:25:01

End at: 2018-07-11 12:25:31

Local clock offset: -0.076 ms

Remote clock offset: 1.183 ms

Below is generated by plot.py at 2018-07-11 13:50:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.92 Mbit/s

95th percentile per-packet one-way delay: 61.126 ms

Loss rate: 0.44%

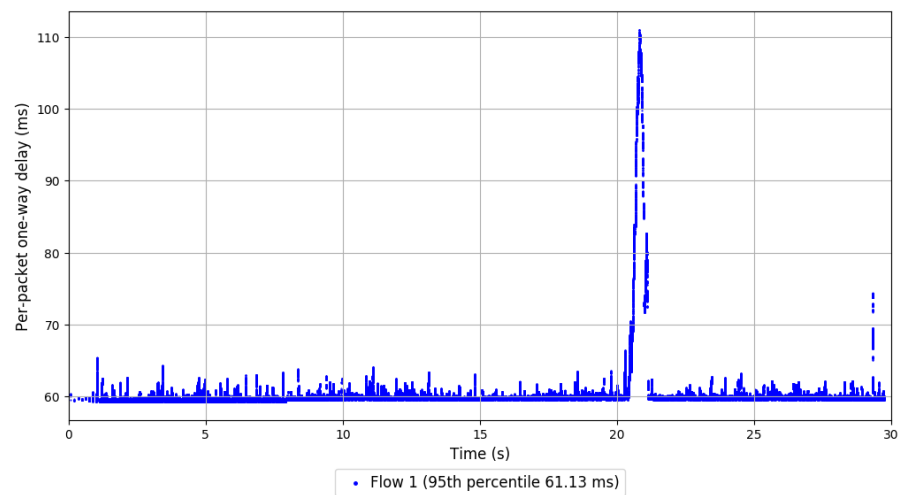
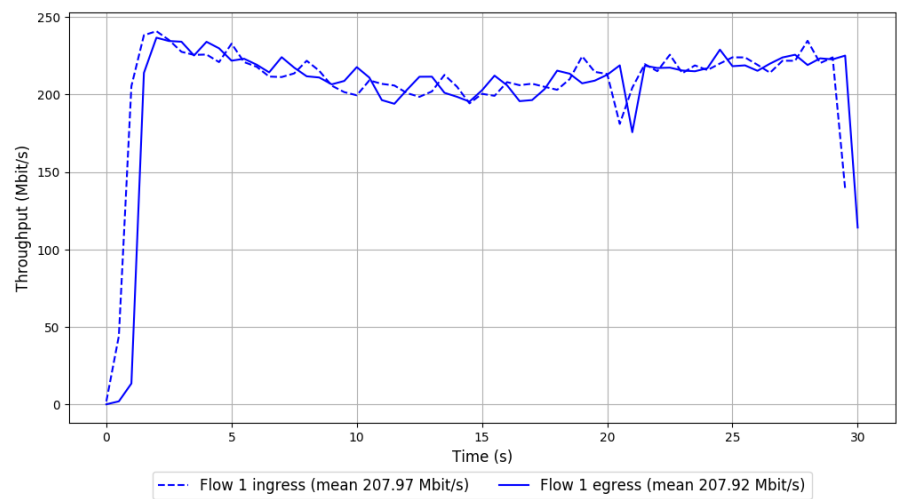
-- Flow 1:

Average throughput: 207.92 Mbit/s

95th percentile per-packet one-way delay: 61.126 ms

Loss rate: 0.44%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-07-11 09:12:39

End at: 2018-07-11 09:13:09

Local clock offset: -0.079 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-07-11 13:50:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.60 Mbit/s

95th percentile per-packet one-way delay: 62.614 ms

Loss rate: 0.82%

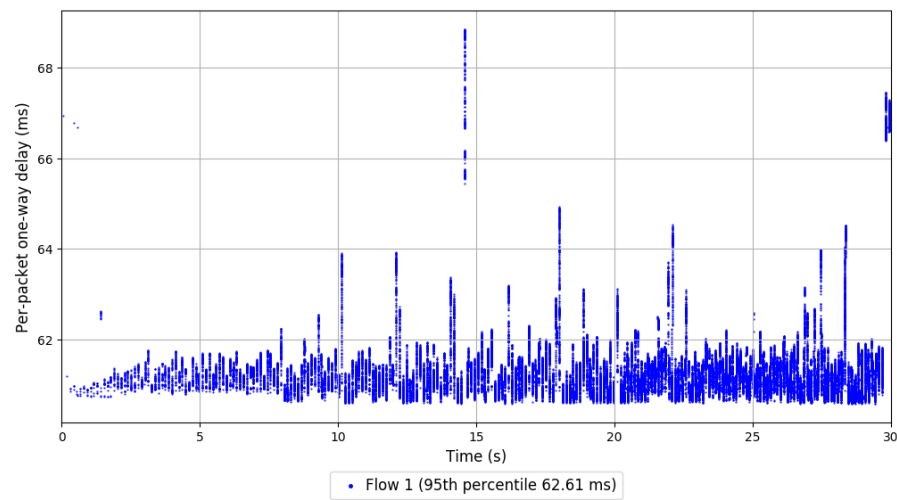
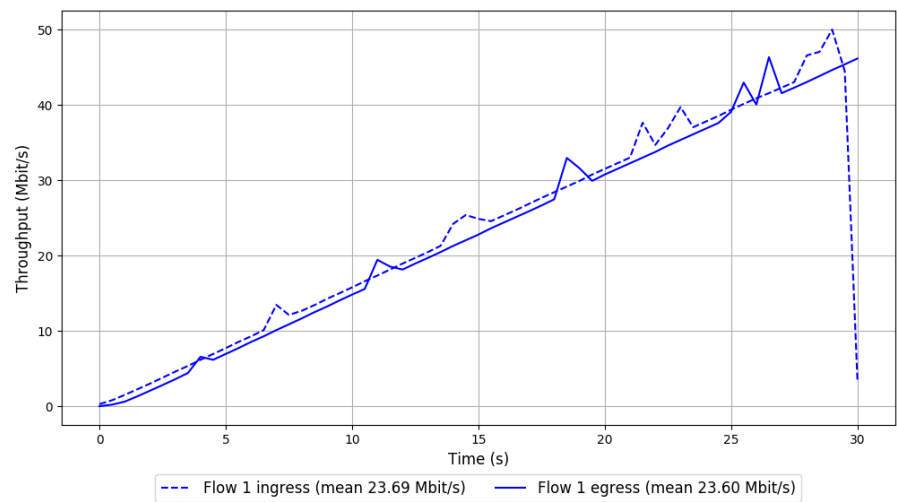
-- Flow 1:

Average throughput: 23.60 Mbit/s

95th percentile per-packet one-way delay: 62.614 ms

Loss rate: 0.82%

Run 1: Report of LEDBAT — Data Link

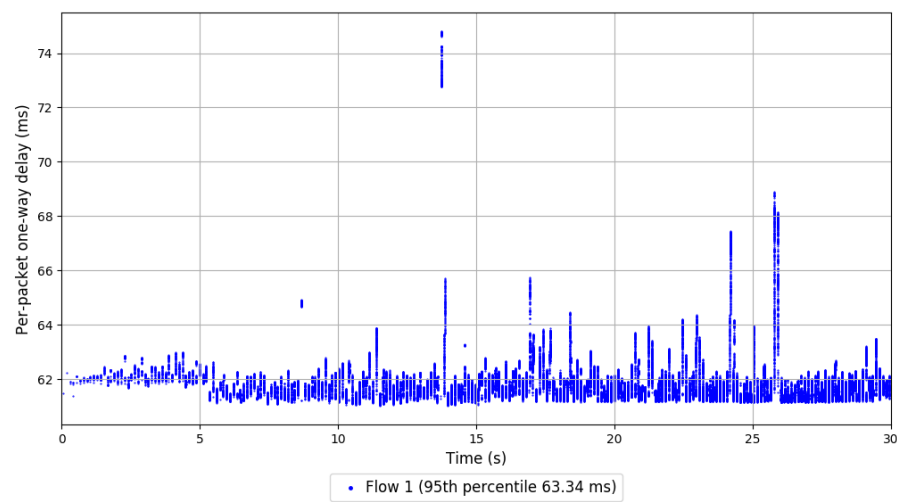
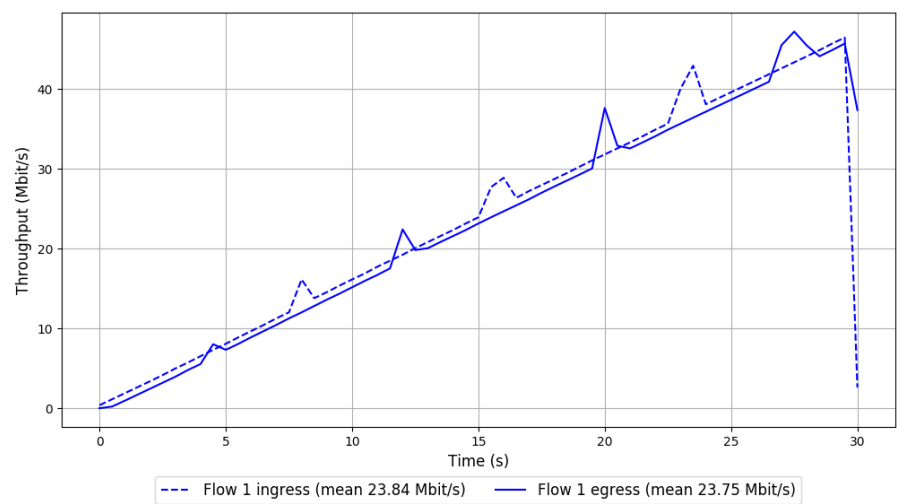


Run 2: Statistics of LEDBAT

Start at: 2018-07-11 09:34:44
End at: 2018-07-11 09:35:14
Local clock offset: -0.084 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 63.338 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 63.338 ms
Loss rate: 0.82%

Run 2: Report of LEDBAT — Data Link

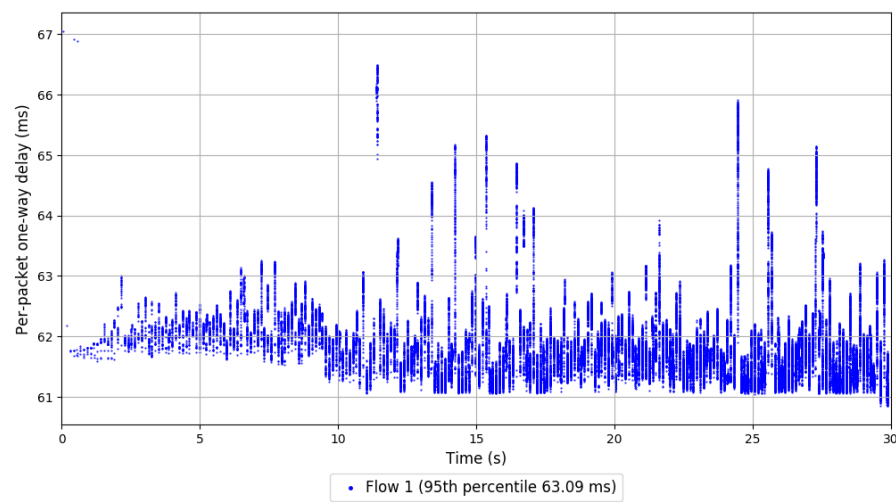
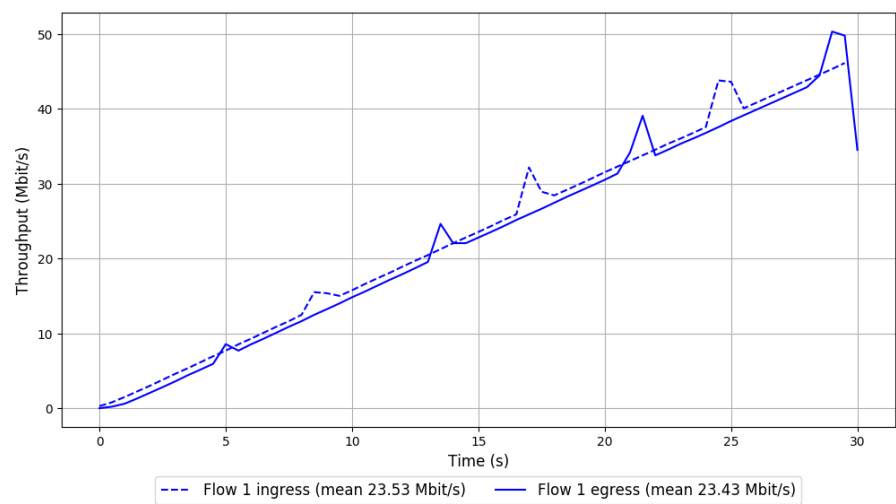


Run 3: Statistics of LEDBAT

Start at: 2018-07-11 09:56:50
End at: 2018-07-11 09:57:20
Local clock offset: -0.095 ms
Remote clock offset: -0.258 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.43 Mbit/s
95th percentile per-packet one-way delay: 63.093 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.43 Mbit/s
95th percentile per-packet one-way delay: 63.093 ms
Loss rate: 0.82%

Run 3: Report of LEDBAT — Data Link

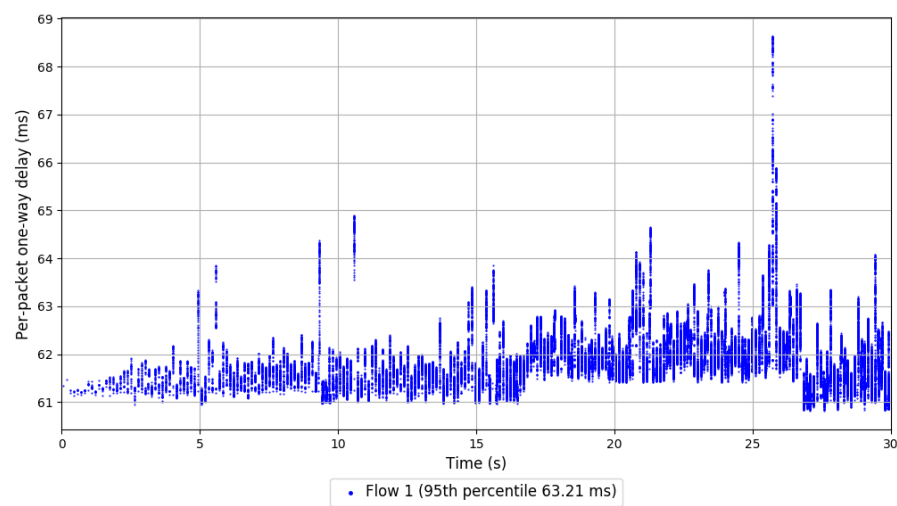
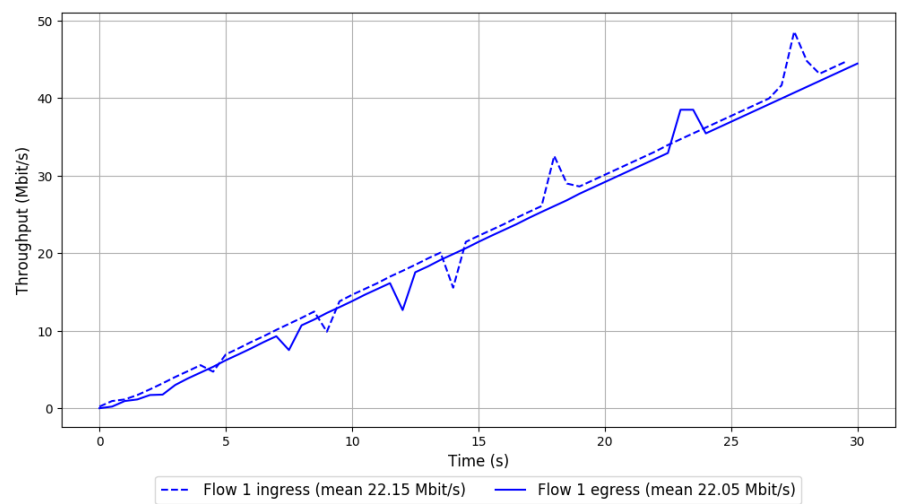


Run 4: Statistics of LEDBAT

Start at: 2018-07-11 10:18:32
End at: 2018-07-11 10:19:02
Local clock offset: -0.071 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 63.207 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 63.207 ms
Loss rate: 0.85%

Run 4: Report of LEDBAT — Data Link

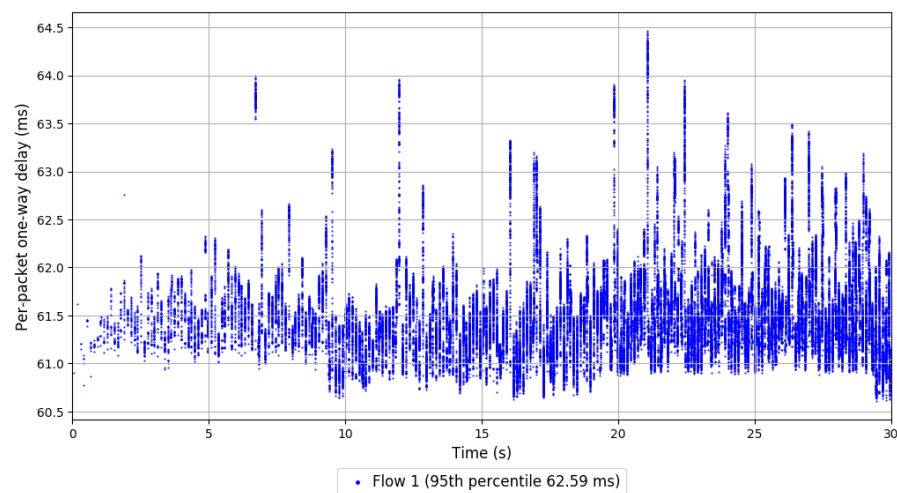
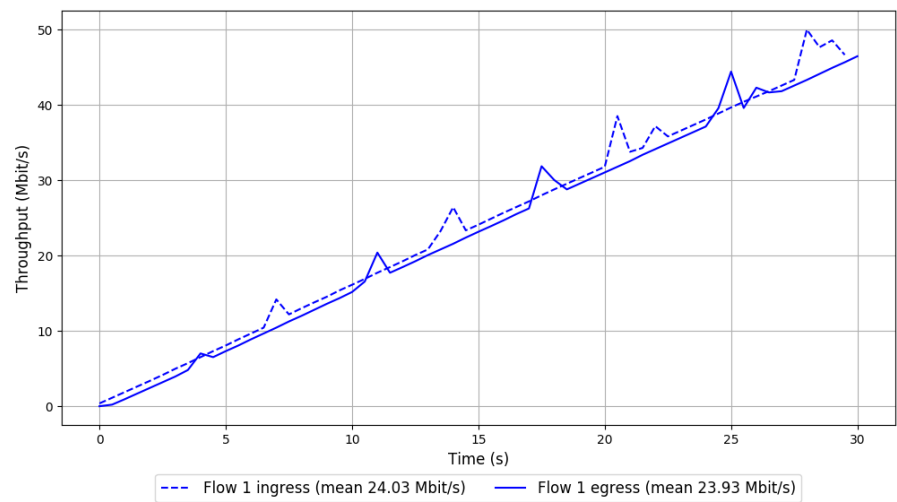


Run 5: Statistics of LEDBAT

Start at: 2018-07-11 10:40:40
End at: 2018-07-11 10:41:10
Local clock offset: -0.089 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 62.589 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 62.589 ms
Loss rate: 0.81%

Run 5: Report of LEDBAT — Data Link

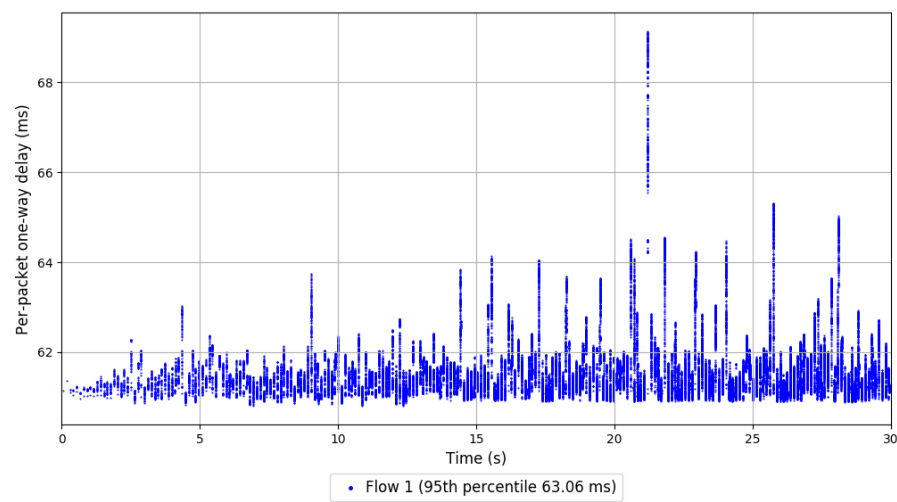
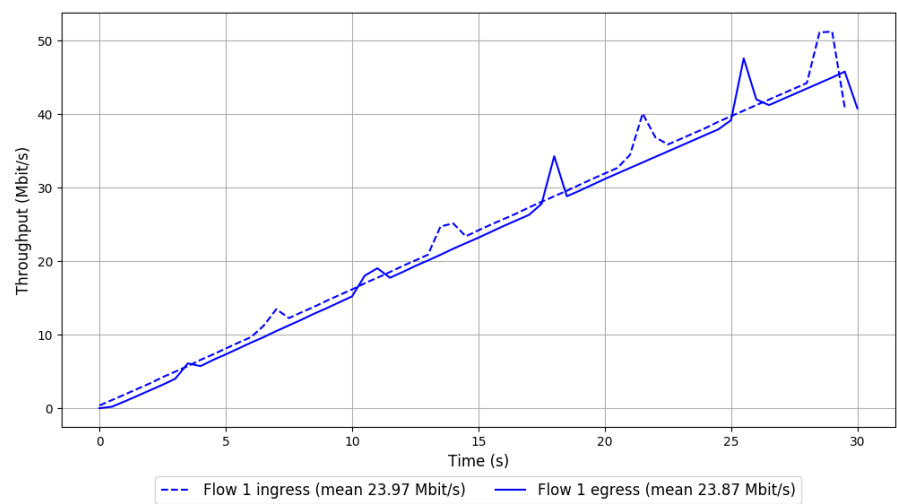


Run 6: Statistics of LEDBAT

Start at: 2018-07-11 11:02:26
End at: 2018-07-11 11:02:56
Local clock offset: -0.064 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 63.060 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 63.060 ms
Loss rate: 0.81%

Run 6: Report of LEDBAT — Data Link

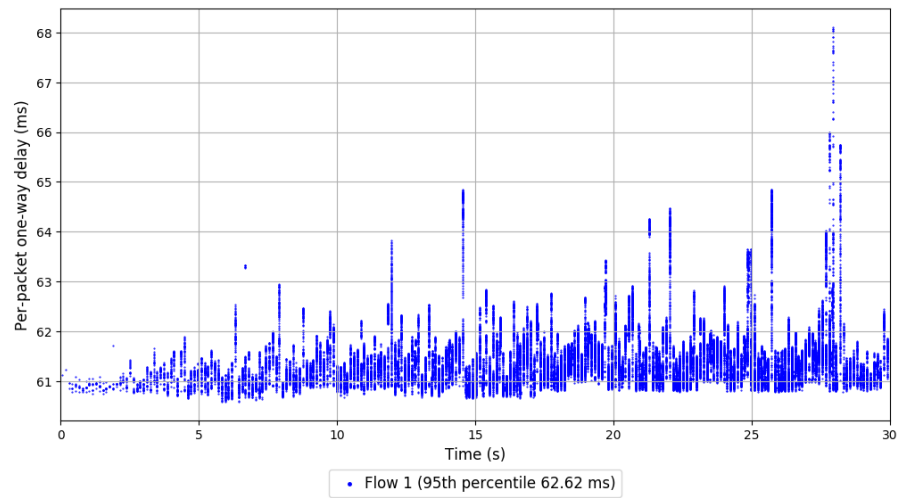
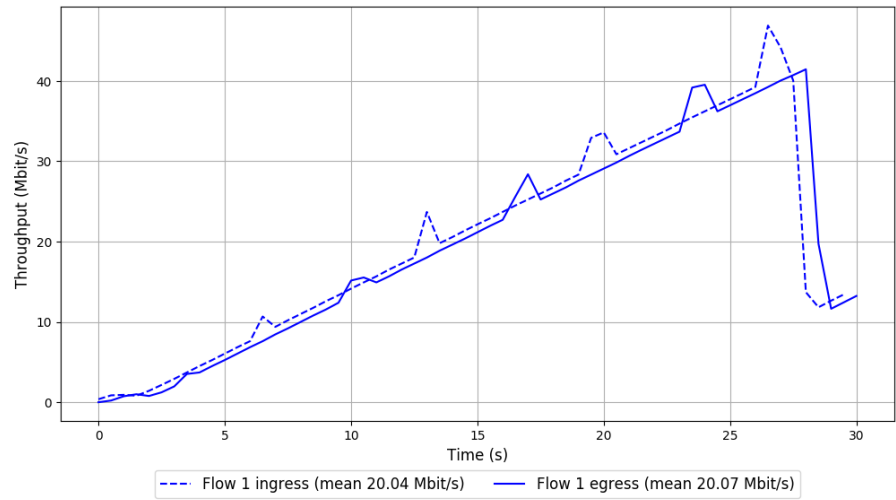


Run 7: Statistics of LEDBAT

Start at: 2018-07-11 11:24:52
End at: 2018-07-11 11:25:22
Local clock offset: -0.057 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 62.619 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 62.619 ms
Loss rate: 0.29%

Run 7: Report of LEDBAT — Data Link

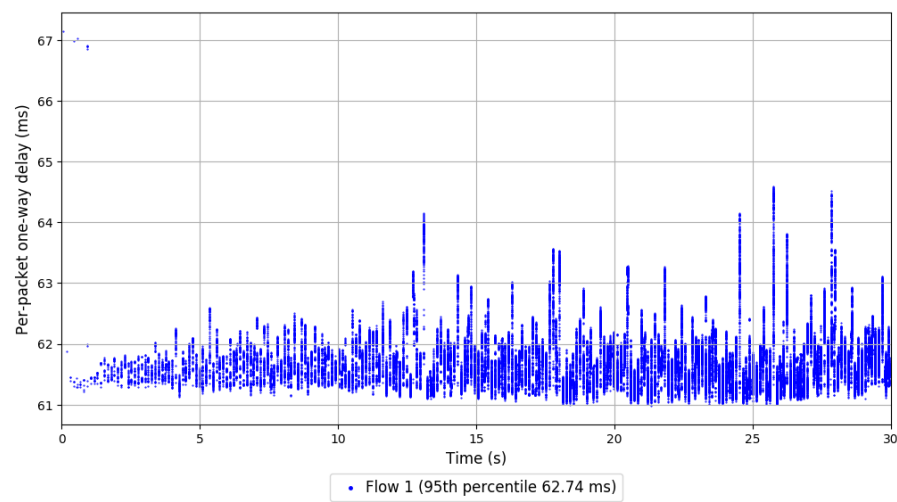
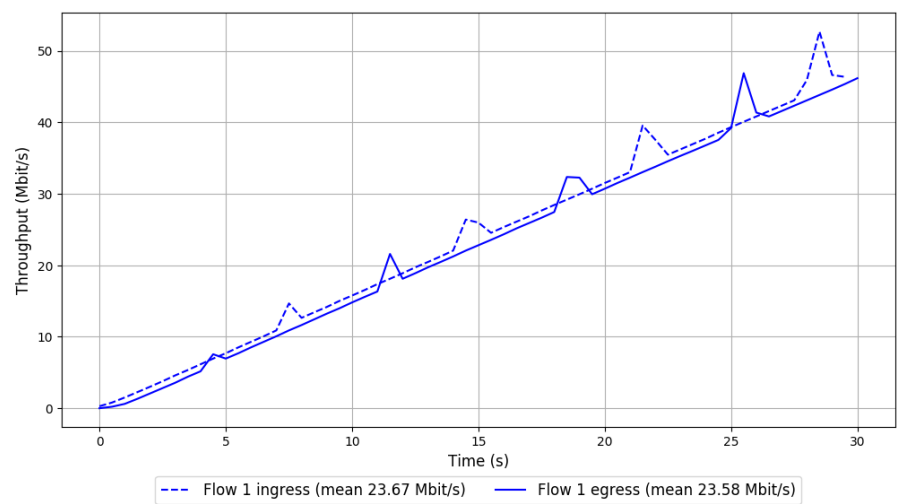


Run 8: Statistics of LEDBAT

Start at: 2018-07-11 11:47:03
End at: 2018-07-11 11:47:33
Local clock offset: -0.016 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 62.737 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 62.737 ms
Loss rate: 0.82%

Run 8: Report of LEDBAT — Data Link

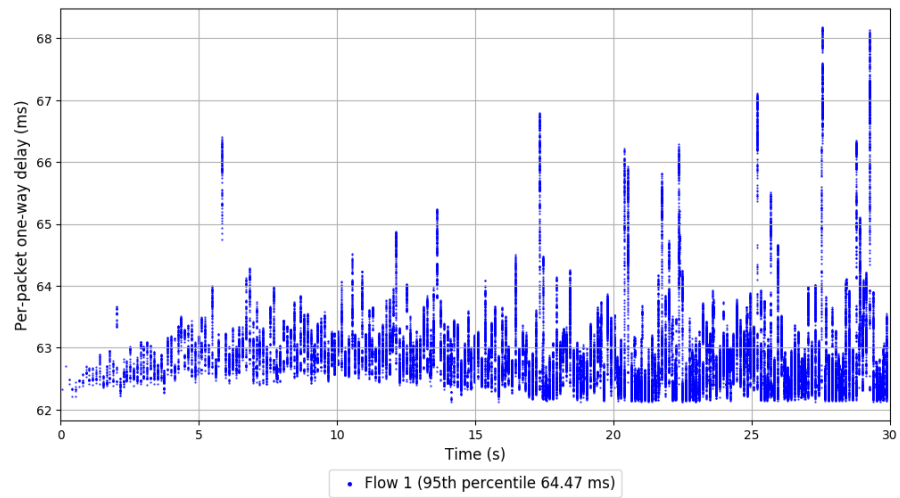
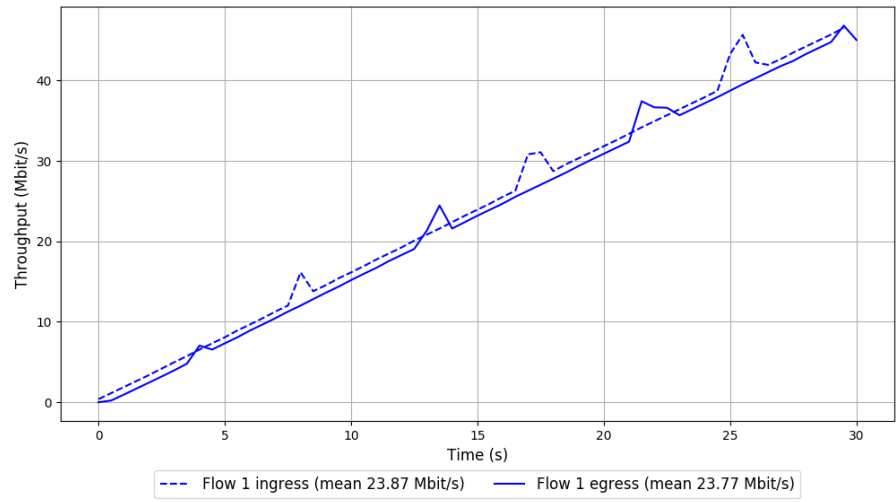


Run 9: Statistics of LEDBAT

Start at: 2018-07-11 12:09:15
End at: 2018-07-11 12:09:45
Local clock offset: -0.042 ms
Remote clock offset: -1.367 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 64.466 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 64.466 ms
Loss rate: 0.82%

Run 9: Report of LEDBAT — Data Link

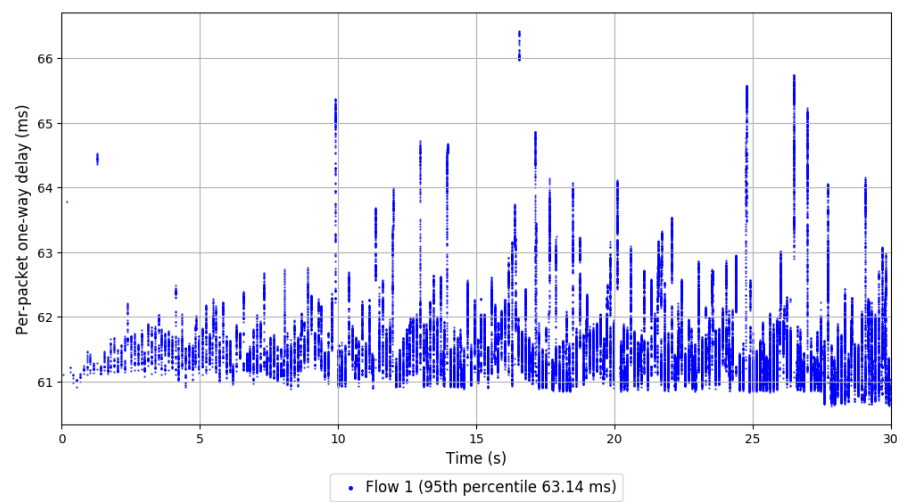
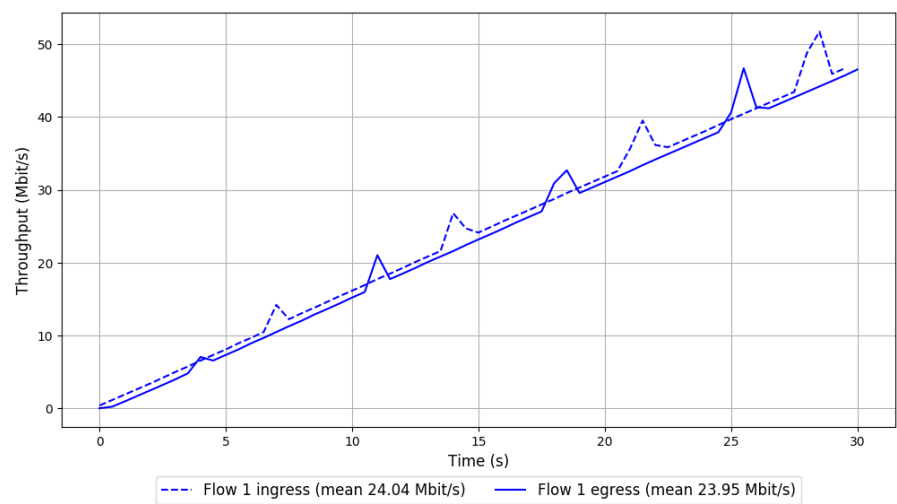


Run 10: Statistics of LEDBAT

Start at: 2018-07-11 12:31:12
End at: 2018-07-11 12:31:42
Local clock offset: -0.088 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-11 13:50:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 63.140 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 63.140 ms
Loss rate: 0.81%

Run 10: Report of LEDBAT — Data Link

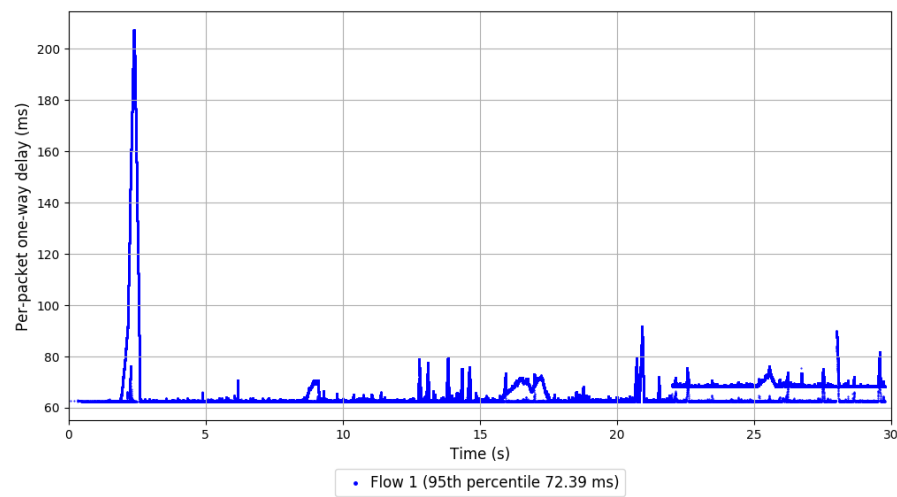
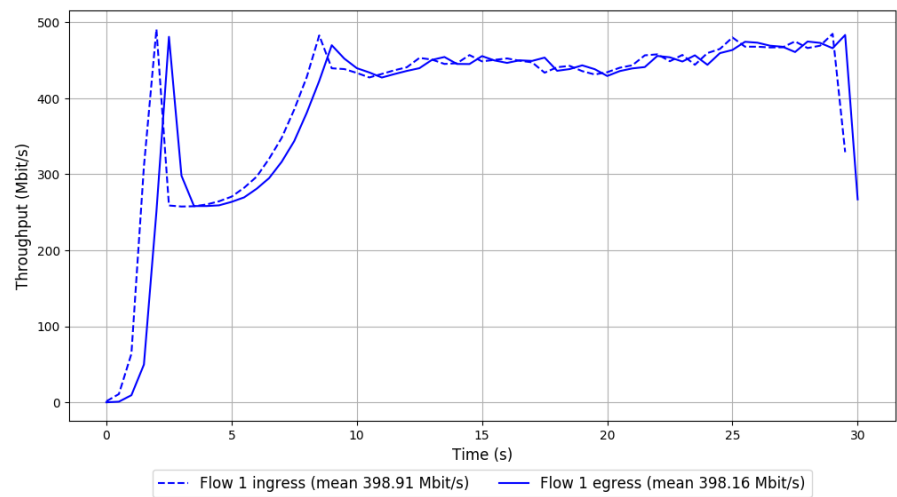


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-11 09:13:47
End at: 2018-07-11 09:14:17
Local clock offset: -0.057 ms
Remote clock offset: -1.33 ms

# Below is generated by plot.py at 2018-07-11 13:51:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 398.16 Mbit/s
95th percentile per-packet one-way delay: 72.393 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 398.16 Mbit/s
95th percentile per-packet one-way delay: 72.393 ms
Loss rate: 0.60%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-11 09:35:51

End at: 2018-07-11 09:36:21

Local clock offset: -0.117 ms

Remote clock offset: 1.242 ms

Below is generated by plot.py at 2018-07-11 13:53:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 456.56 Mbit/s

95th percentile per-packet one-way delay: 202.822 ms

Loss rate: 2.50%

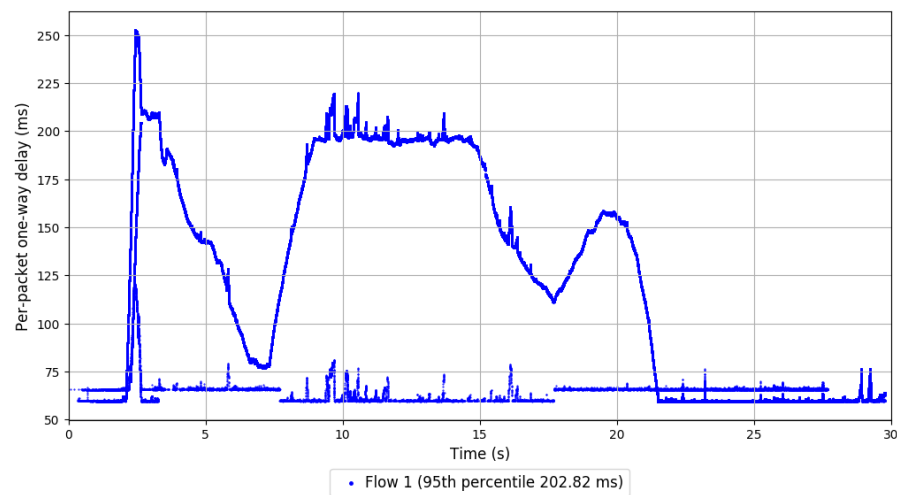
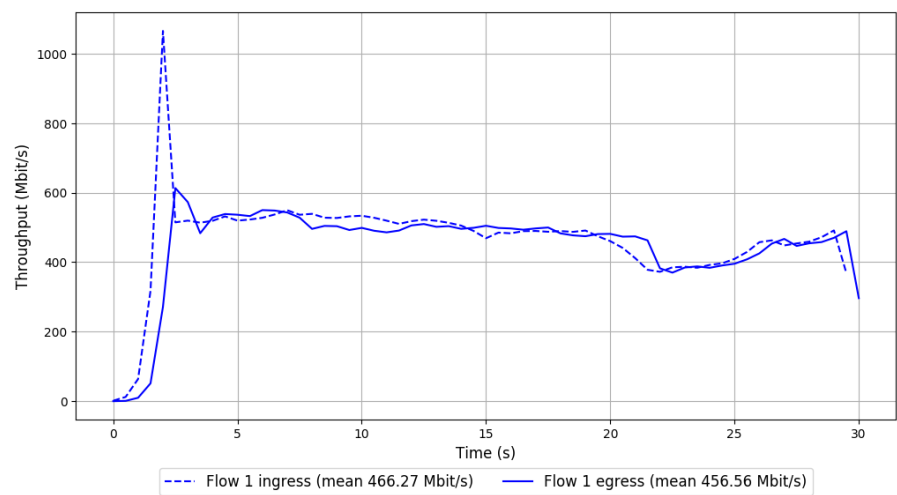
-- Flow 1:

Average throughput: 456.56 Mbit/s

95th percentile per-packet one-way delay: 202.822 ms

Loss rate: 2.50%

Run 2: Report of PCC-Allegro — Data Link

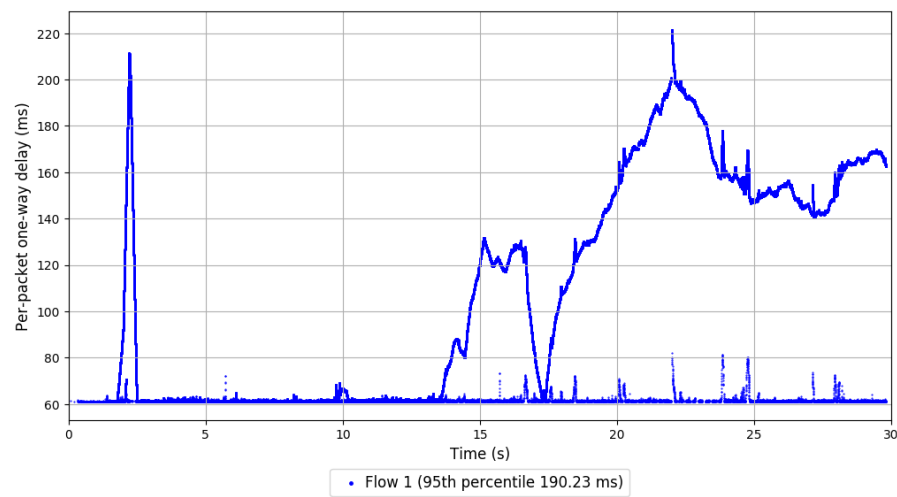
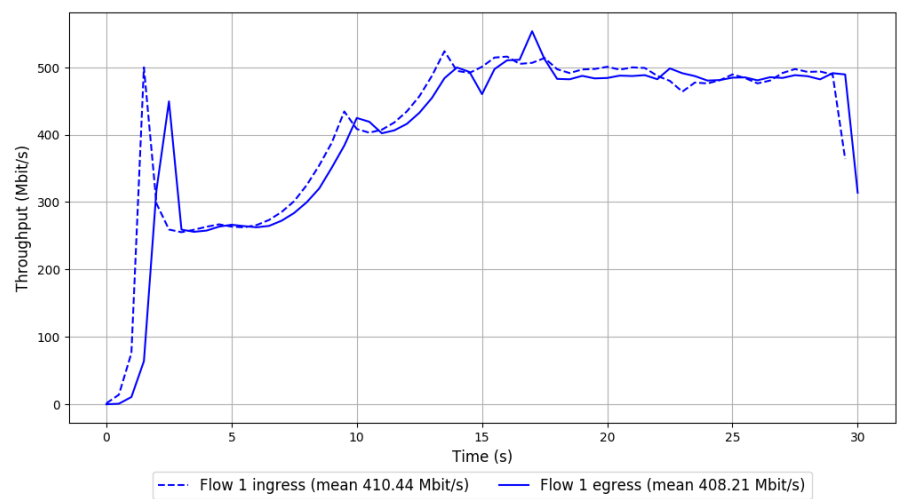


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-11 09:57:57
End at: 2018-07-11 09:58:27
Local clock offset: -0.062 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-11 13:53:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 408.21 Mbit/s
95th percentile per-packet one-way delay: 190.228 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 408.21 Mbit/s
95th percentile per-packet one-way delay: 190.228 ms
Loss rate: 0.95%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-11 10:19:40

End at: 2018-07-11 10:20:10

Local clock offset: -0.05 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-11 13:53:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 400.89 Mbit/s

95th percentile per-packet one-way delay: 155.028 ms

Loss rate: 0.88%

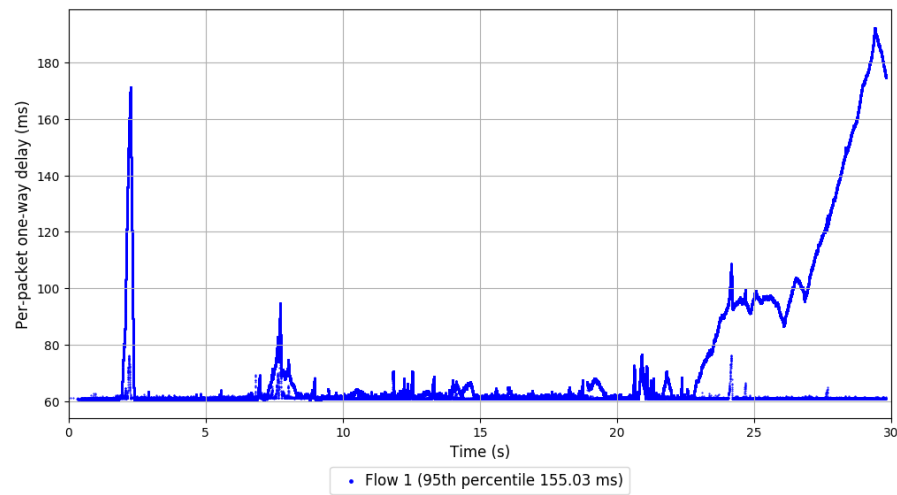
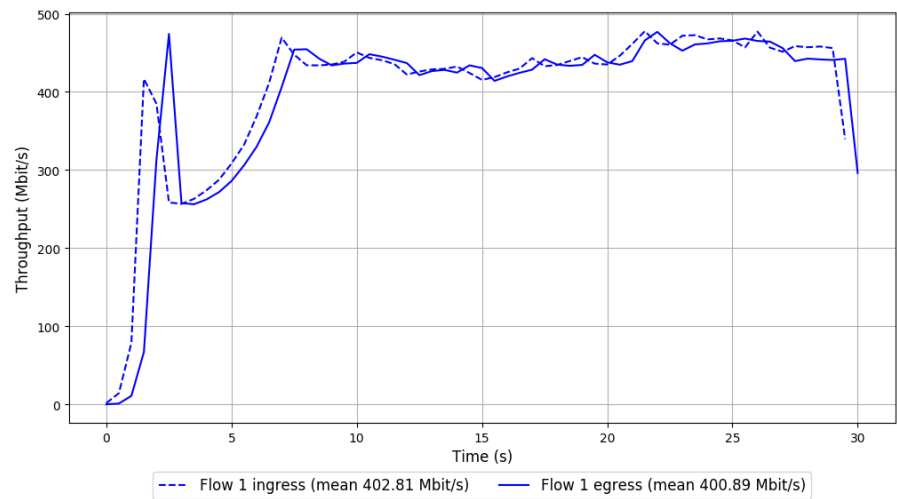
-- Flow 1:

Average throughput: 400.89 Mbit/s

95th percentile per-packet one-way delay: 155.028 ms

Loss rate: 0.88%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-11 10:41:47

End at: 2018-07-11 10:42:17

Local clock offset: -0.09 ms

Remote clock offset: -0.367 ms

Below is generated by plot.py at 2018-07-11 13:53:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 369.10 Mbit/s

95th percentile per-packet one-way delay: 83.940 ms

Loss rate: 0.59%

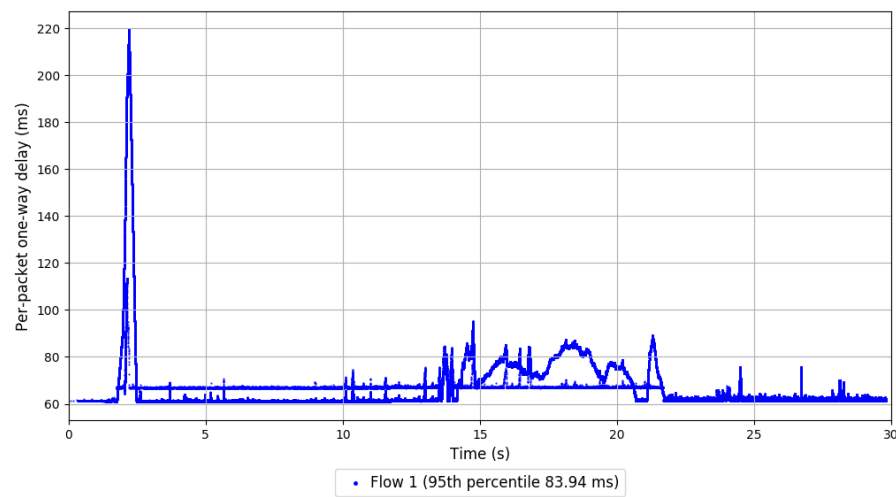
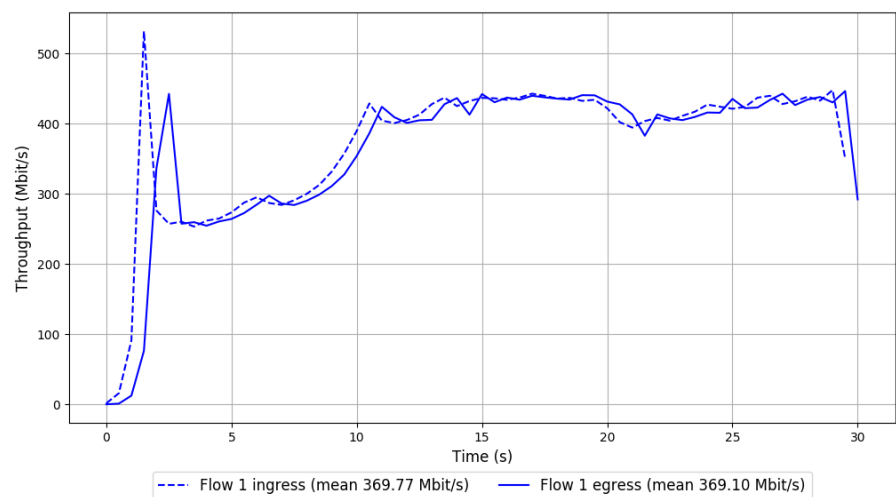
-- Flow 1:

Average throughput: 369.10 Mbit/s

95th percentile per-packet one-way delay: 83.940 ms

Loss rate: 0.59%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-11 11:03:34

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

Local clock offset: -0.04 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-07-11 13:55:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.84 Mbit/s

95th percentile per-packet one-way delay: 206.764 ms

Loss rate: 2.51%

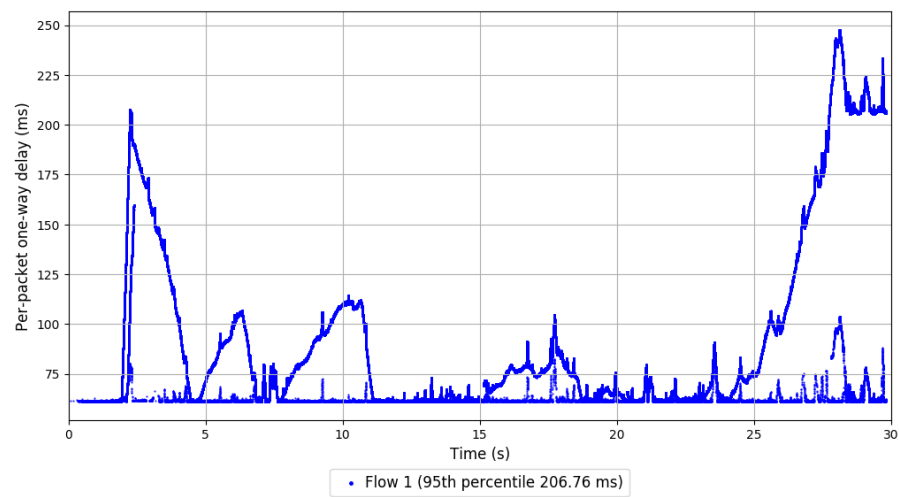
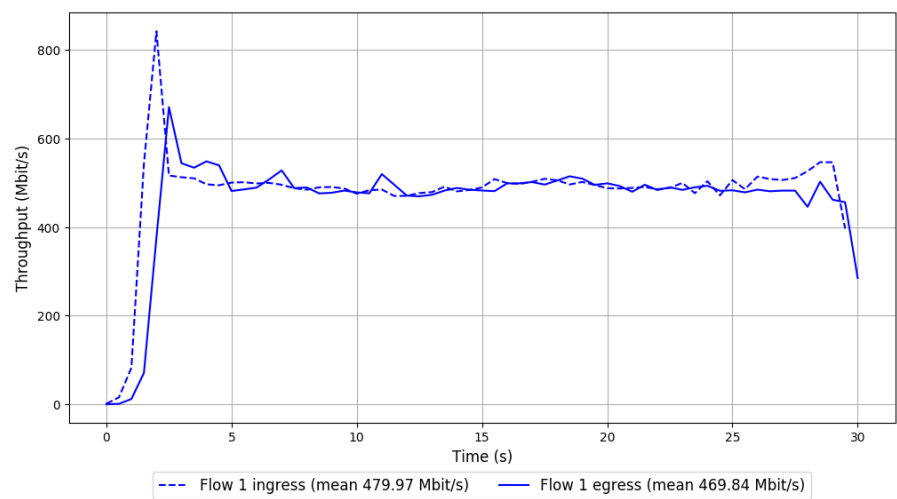
-- Flow 1:

Average throughput: 469.84 Mbit/s

95th percentile per-packet one-way delay: 206.764 ms

Loss rate: 2.51%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-11 11:25:59

End at: 2018-07-11 11:26:29

Local clock offset: -0.064 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-11 13:55:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 395.94 Mbit/s

95th percentile per-packet one-way delay: 189.214 ms

Loss rate: 1.11%

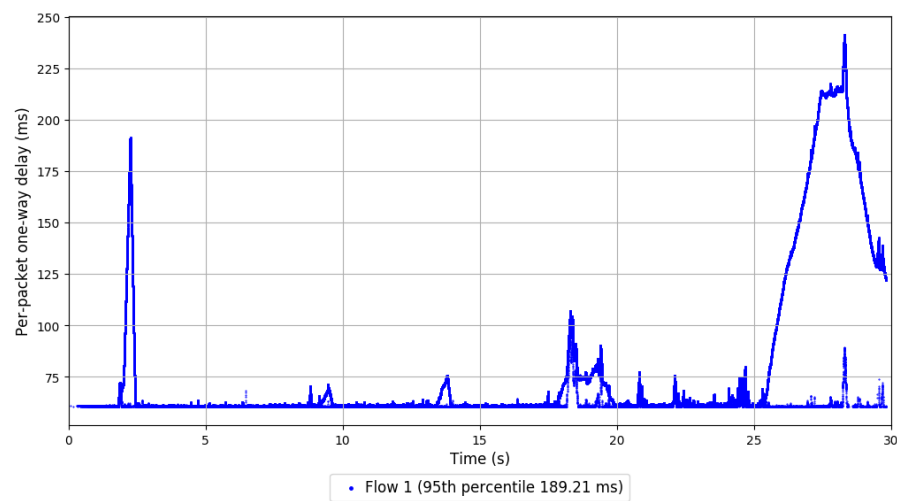
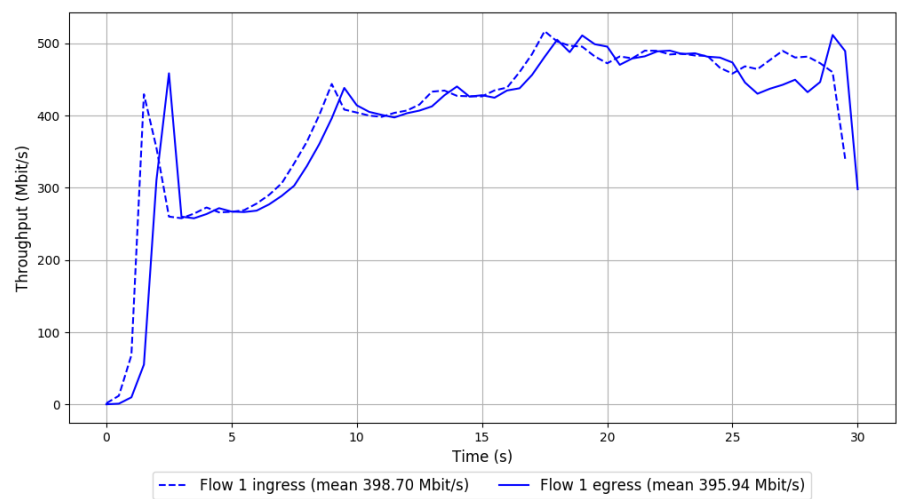
-- Flow 1:

Average throughput: 395.94 Mbit/s

95th percentile per-packet one-way delay: 189.214 ms

Loss rate: 1.11%

Run 7: Report of PCC-Allegro — Data Link

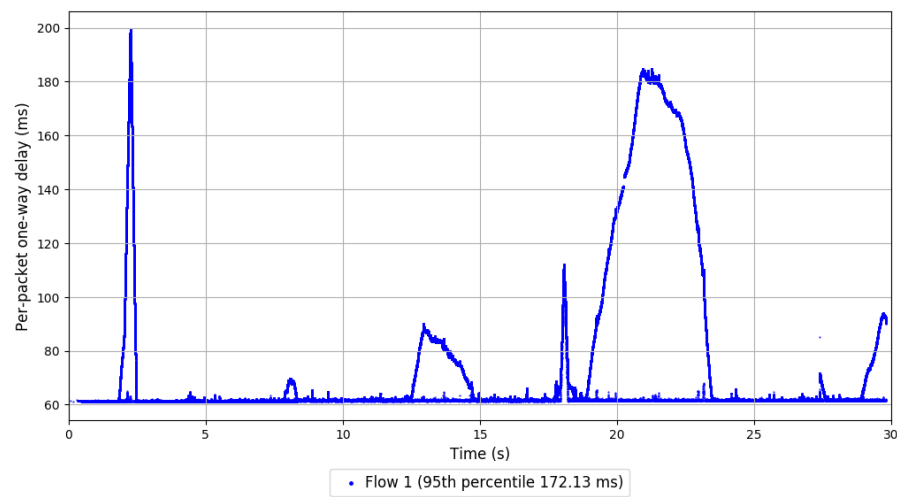
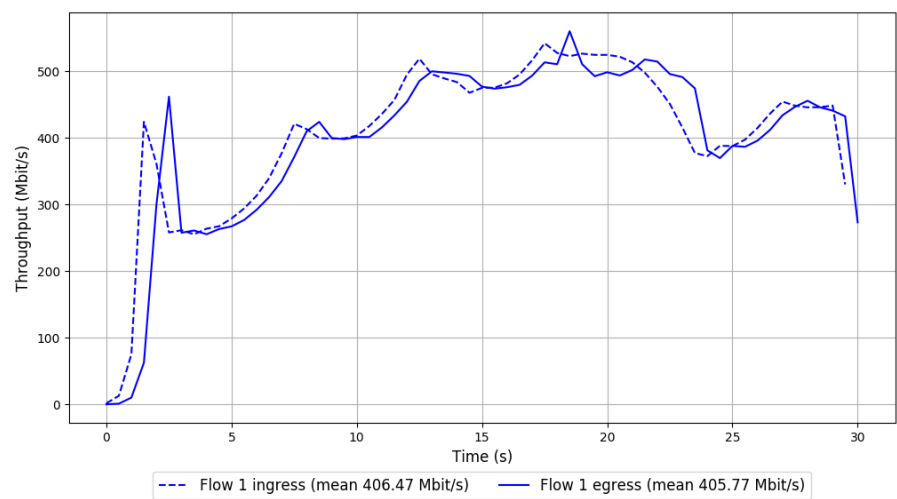


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-11 11:48:11
End at: 2018-07-11 11:48:41
Local clock offset: -0.078 ms
Remote clock offset: -0.577 ms

Below is generated by plot.py at 2018-07-11 13:57:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 405.77 Mbit/s
95th percentile per-packet one-way delay: 172.129 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 405.77 Mbit/s
95th percentile per-packet one-way delay: 172.129 ms
Loss rate: 0.58%

Run 8: Report of PCC-Allegro — Data Link

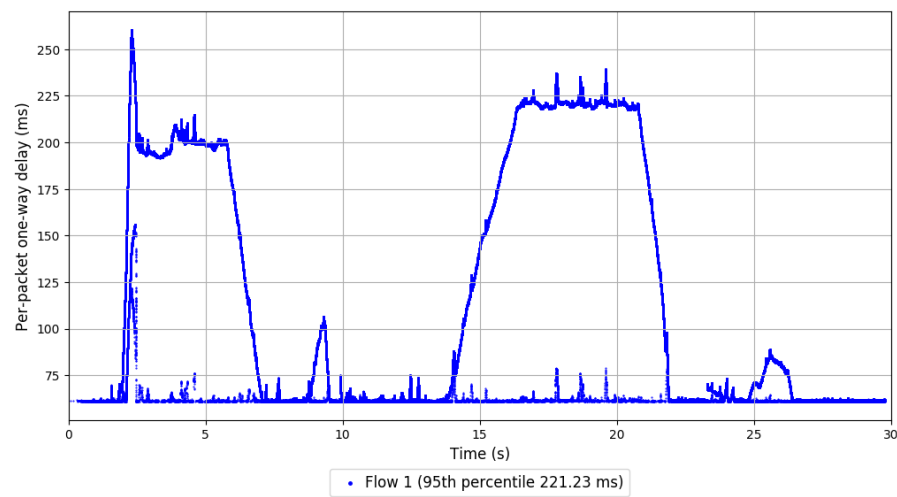
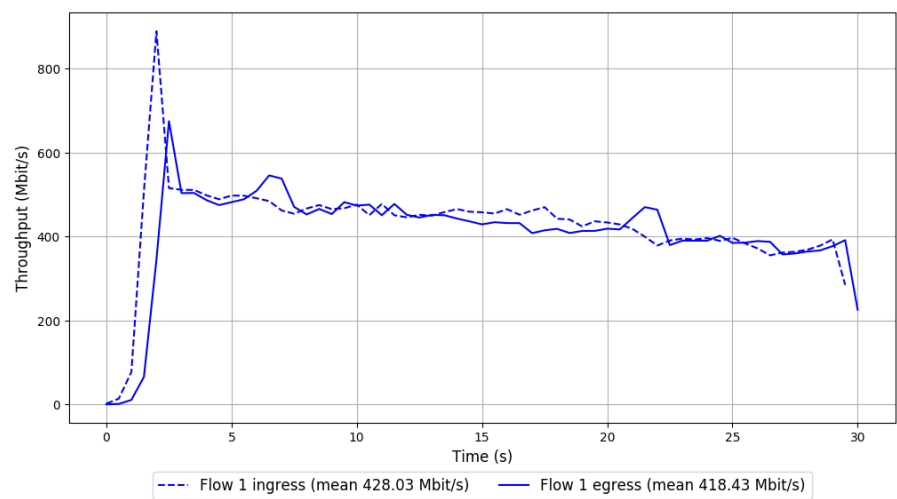


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-11 12:10:23
End at: 2018-07-11 12:10:53
Local clock offset: -0.067 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-11 13:59:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 418.43 Mbit/s
95th percentile per-packet one-way delay: 221.227 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 418.43 Mbit/s
95th percentile per-packet one-way delay: 221.227 ms
Loss rate: 2.66%

Run 9: Report of PCC-Allegro — Data Link

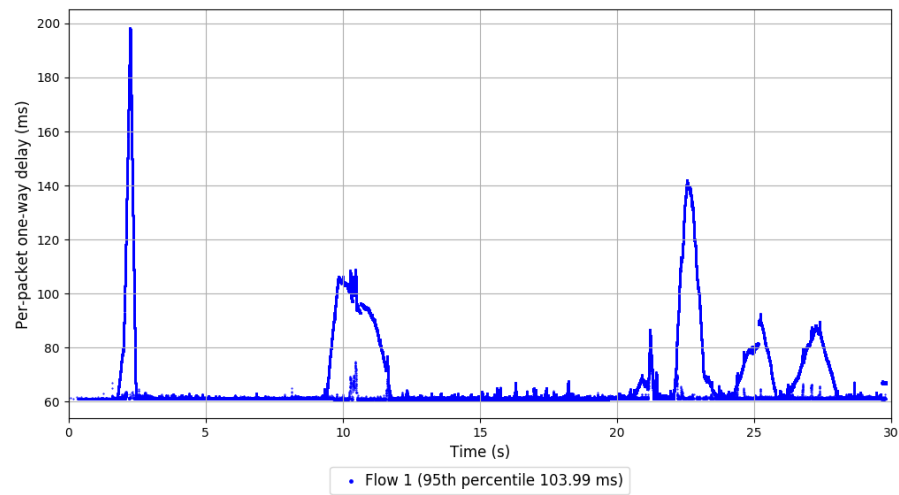
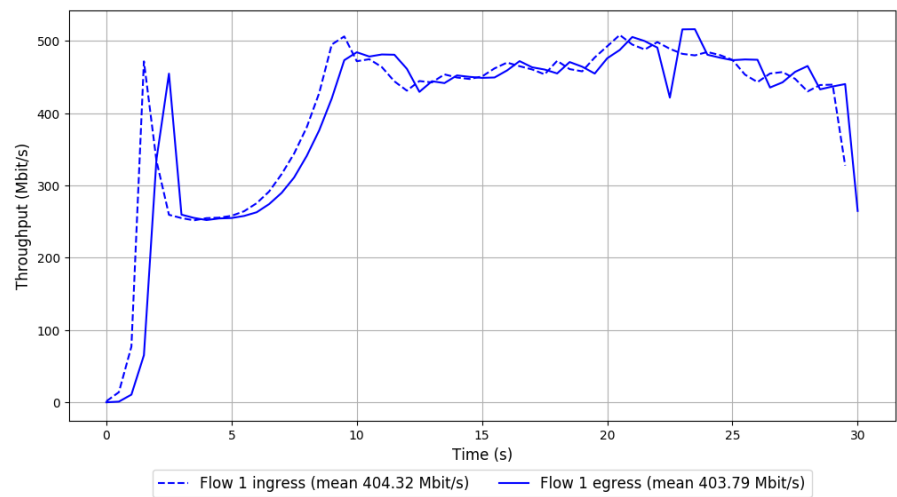


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-11 12:32:19
End at: 2018-07-11 12:32:49
Local clock offset: -0.048 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-11 13:59:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 403.79 Mbit/s
95th percentile per-packet one-way delay: 103.989 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 403.79 Mbit/s
95th percentile per-packet one-way delay: 103.989 ms
Loss rate: 0.54%

Run 10: Report of PCC-Allegro — Data Link

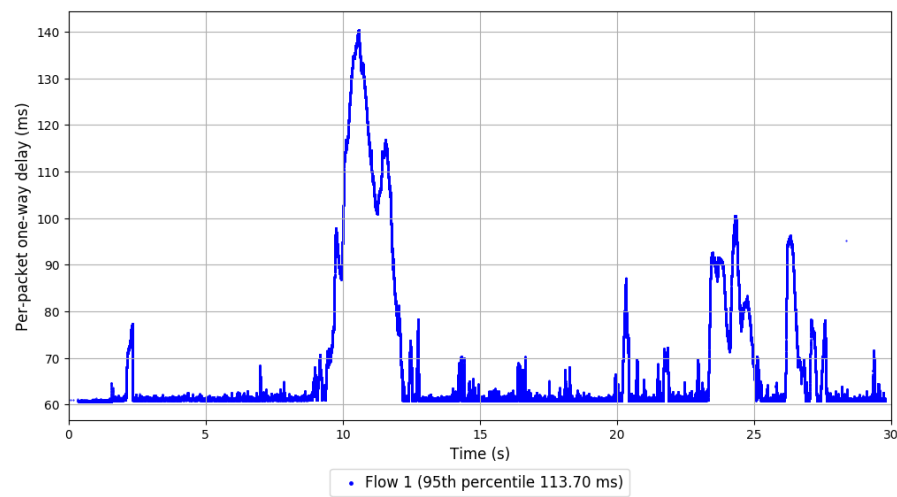
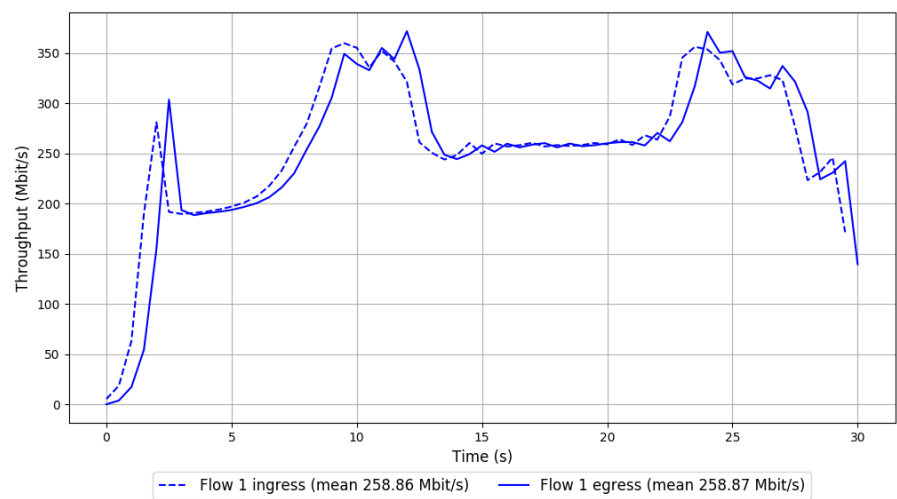


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-11 09:15:07
End at: 2018-07-11 09:15:37
Local clock offset: -0.096 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-07-11 14:00:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 258.87 Mbit/s
95th percentile per-packet one-way delay: 113.696 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 258.87 Mbit/s
95th percentile per-packet one-way delay: 113.696 ms
Loss rate: 0.41%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-11 09:37:14

End at: 2018-07-11 09:37:44

Local clock offset: -0.098 ms

Remote clock offset: 1.324 ms

Below is generated by plot.py at 2018-07-11 14:00:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.30 Mbit/s

95th percentile per-packet one-way delay: 168.803 ms

Loss rate: 1.05%

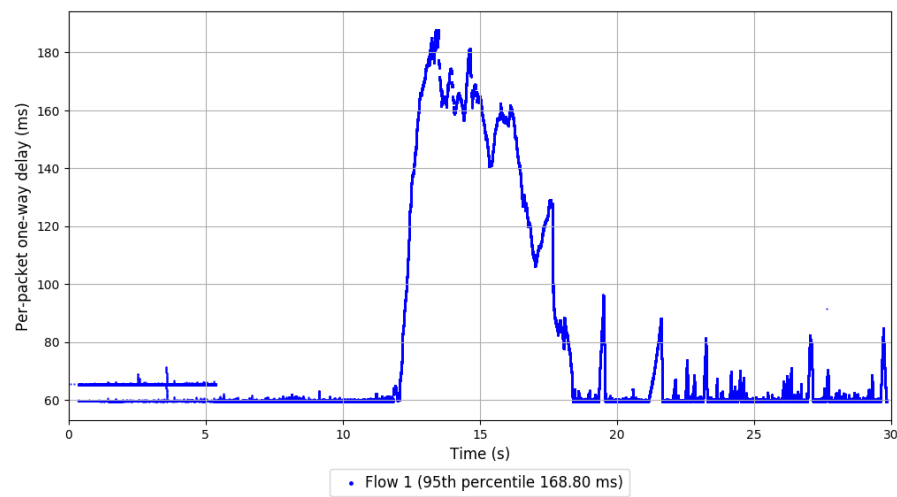
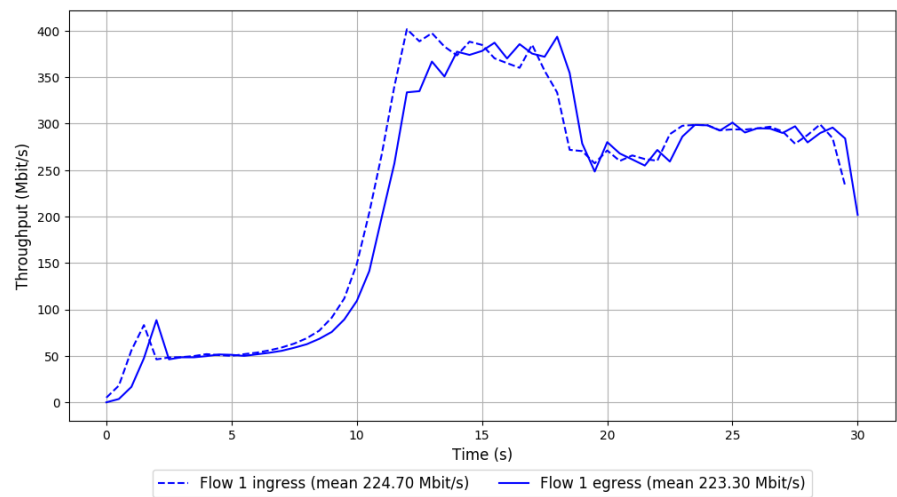
-- Flow 1:

Average throughput: 223.30 Mbit/s

95th percentile per-packet one-way delay: 168.803 ms

Loss rate: 1.05%

Run 2: Report of PCC-Expr — Data Link

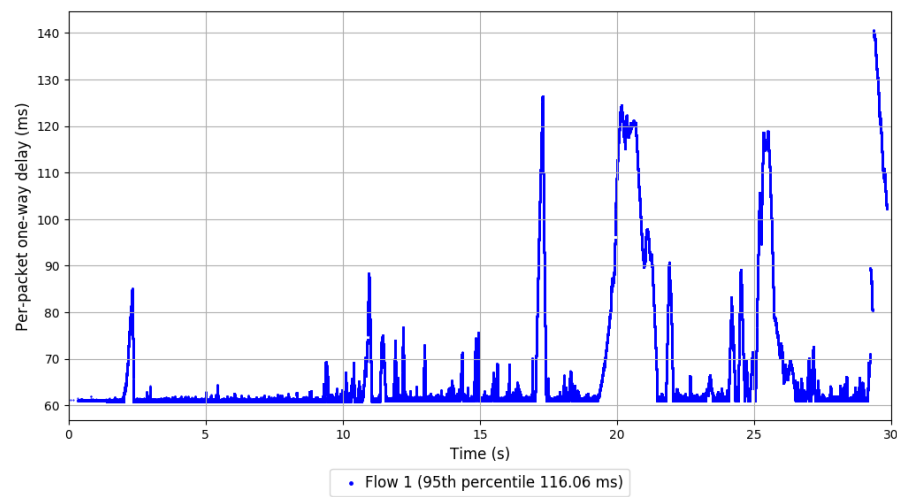
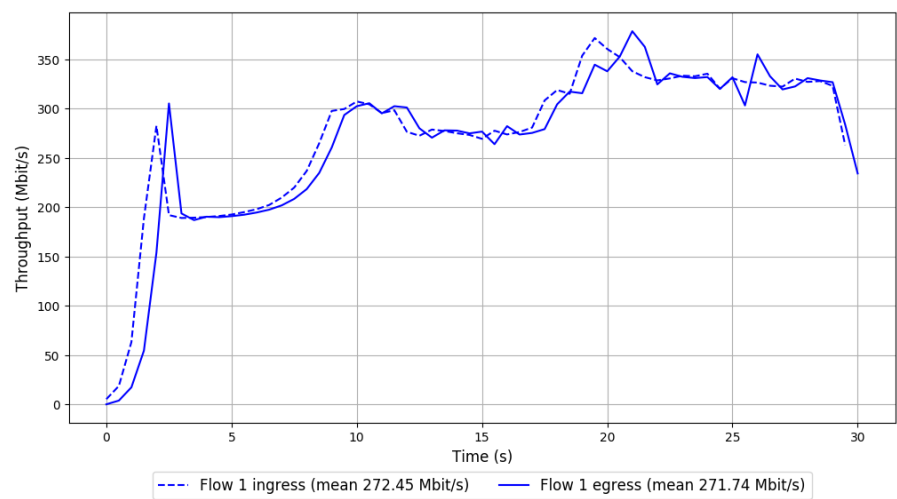


Run 3: Statistics of PCC-Expr

Start at: 2018-07-11 09:59:17
End at: 2018-07-11 09:59:47
Local clock offset: -0.05 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-11 14:02:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.74 Mbit/s
95th percentile per-packet one-way delay: 116.057 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 271.74 Mbit/s
95th percentile per-packet one-way delay: 116.057 ms
Loss rate: 0.67%

Run 3: Report of PCC-Expr — Data Link

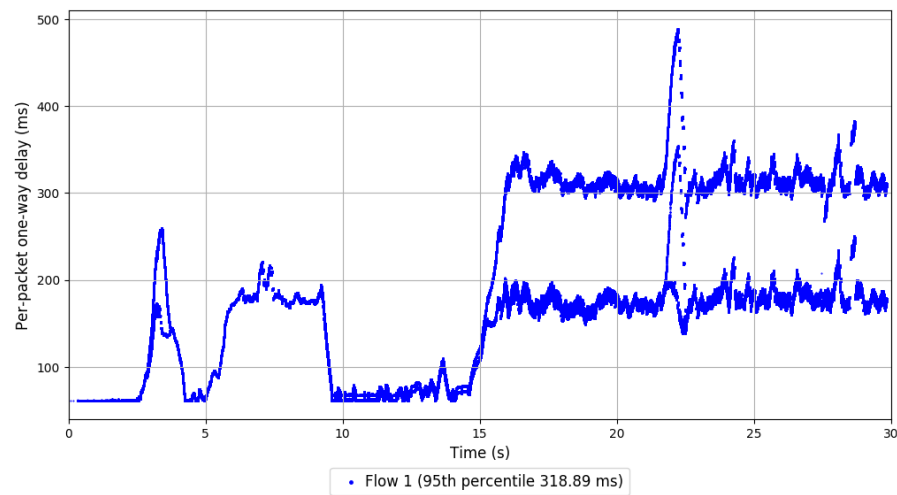
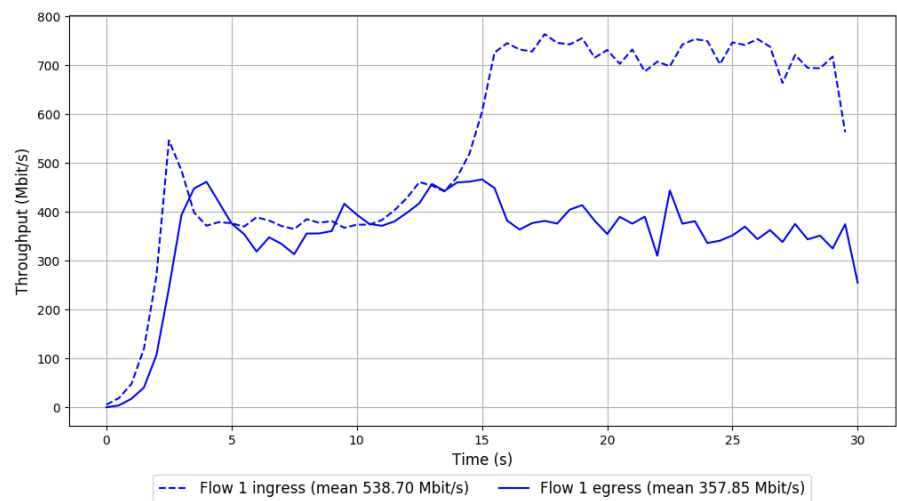


Run 4: Statistics of PCC-Expr

Start at: 2018-07-11 10:21:00
End at: 2018-07-11 10:21:30
Local clock offset: -0.051 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-07-11 14:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 357.85 Mbit/s
95th percentile per-packet one-way delay: 318.892 ms
Loss rate: 33.85%
-- Flow 1:
Average throughput: 357.85 Mbit/s
95th percentile per-packet one-way delay: 318.892 ms
Loss rate: 33.85%

Run 4: Report of PCC-Expr — Data Link

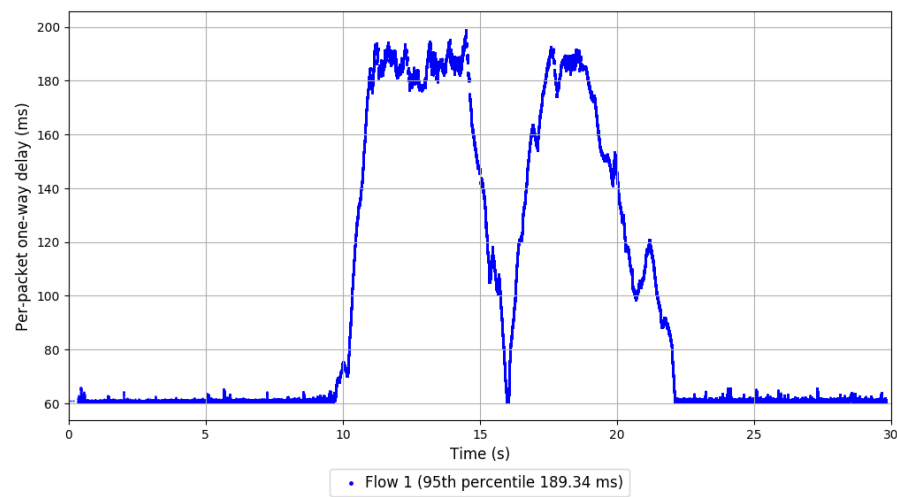
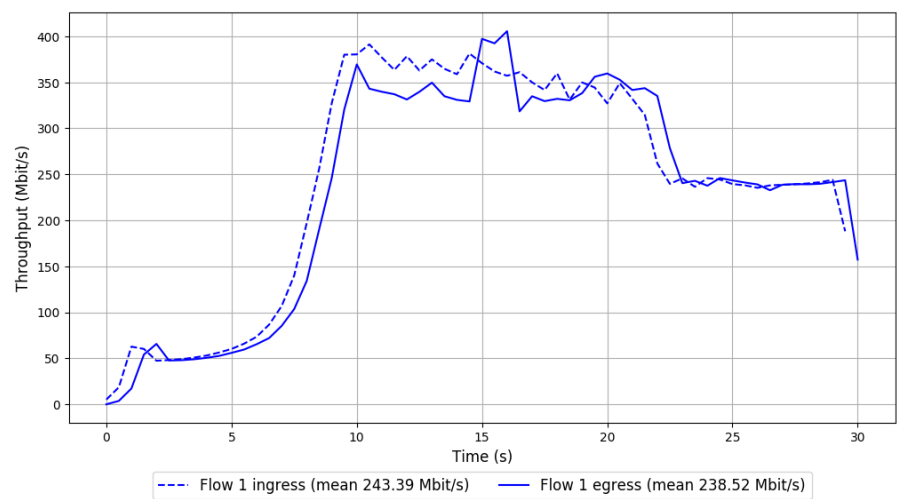


Run 5: Statistics of PCC-Expr

Start at: 2018-07-11 10:43:06
End at: 2018-07-11 10:43:36
Local clock offset: -0.107 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-11 14:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.52 Mbit/s
95th percentile per-packet one-way delay: 189.344 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 238.52 Mbit/s
95th percentile per-packet one-way delay: 189.344 ms
Loss rate: 2.40%

Run 5: Report of PCC-Expr — Data Link

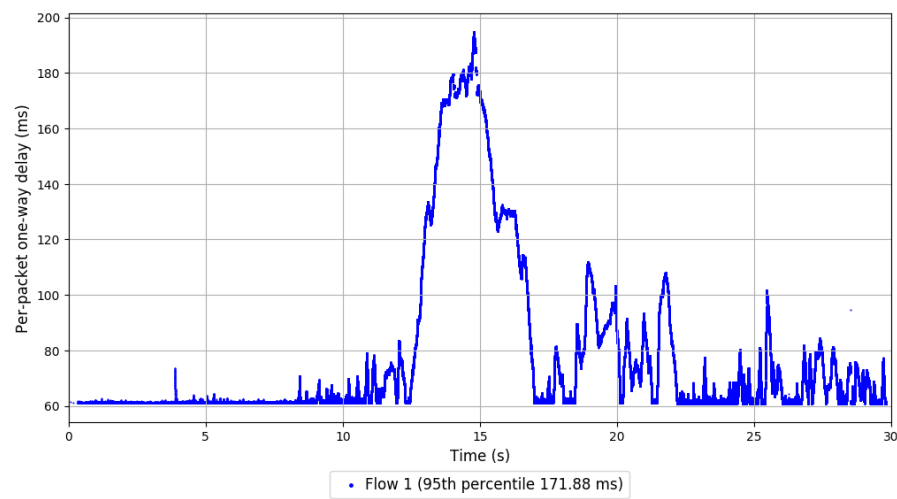
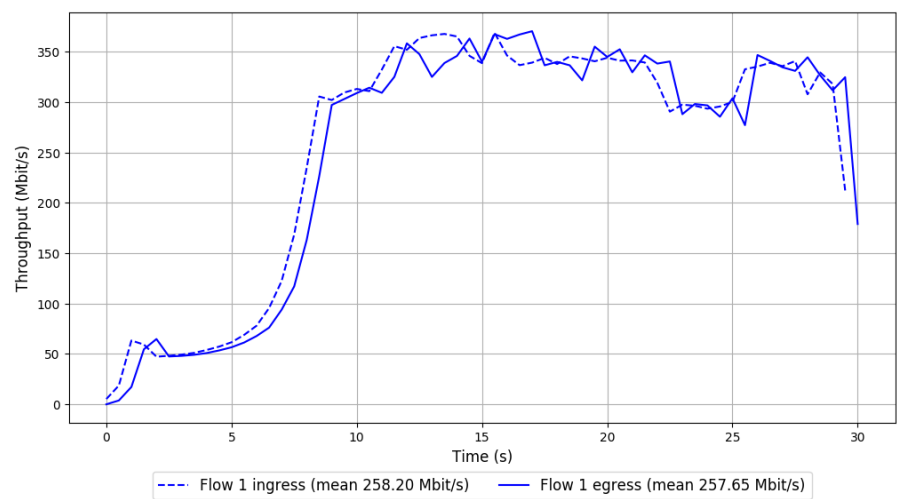


Run 6: Statistics of PCC-Expr

Start at: 2018-07-11 11:04:57
End at: 2018-07-11 11:05:27
Local clock offset: -0.064 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-07-11 14:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.65 Mbit/s
95th percentile per-packet one-way delay: 171.876 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 257.65 Mbit/s
95th percentile per-packet one-way delay: 171.876 ms
Loss rate: 0.62%

Run 6: Report of PCC-Expr — Data Link

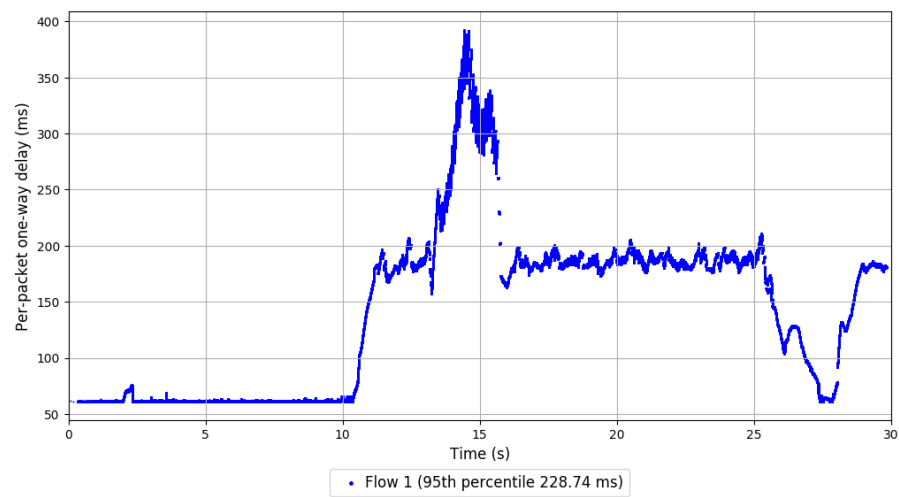
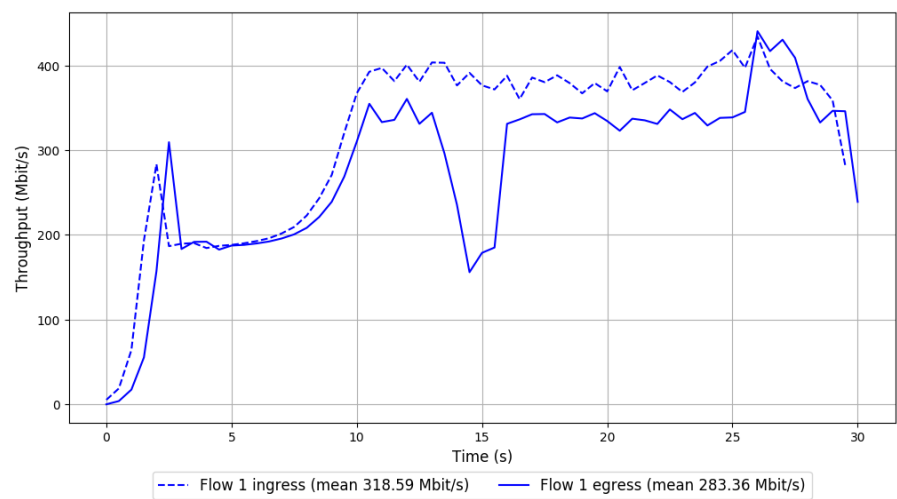


Run 7: Statistics of PCC-Expr

Start at: 2018-07-11 11:27:19
End at: 2018-07-11 11:27:49
Local clock offset: -0.036 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2018-07-11 14:10:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.36 Mbit/s
95th percentile per-packet one-way delay: 228.736 ms
Loss rate: 11.43%
-- Flow 1:
Average throughput: 283.36 Mbit/s
95th percentile per-packet one-way delay: 228.736 ms
Loss rate: 11.43%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-11 11:49:31

End at: 2018-07-11 11:50:01

Local clock offset: -0.026 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-11 14:10:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.85 Mbit/s

95th percentile per-packet one-way delay: 89.787 ms

Loss rate: 0.74%

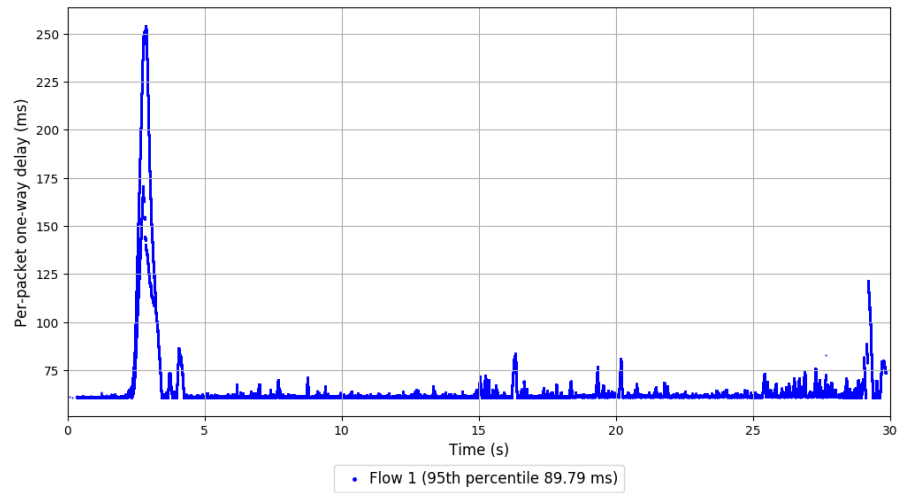
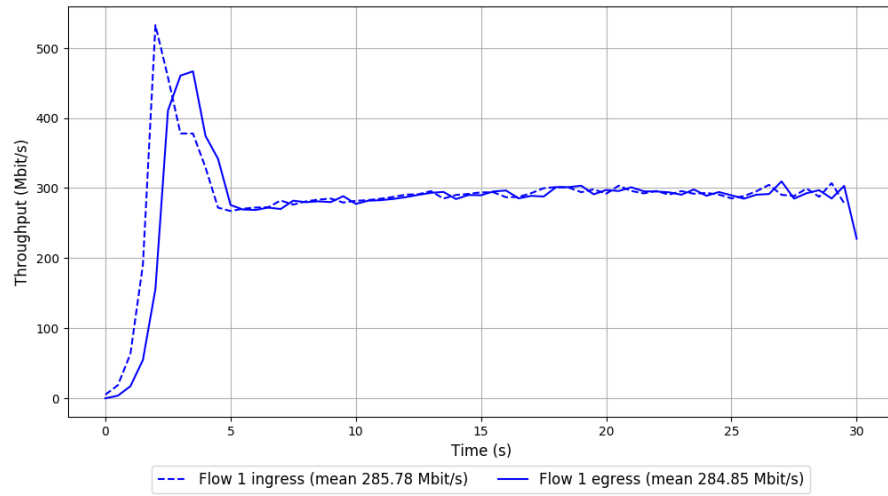
-- Flow 1:

Average throughput: 284.85 Mbit/s

95th percentile per-packet one-way delay: 89.787 ms

Loss rate: 0.74%

Run 8: Report of PCC-Expr — Data Link

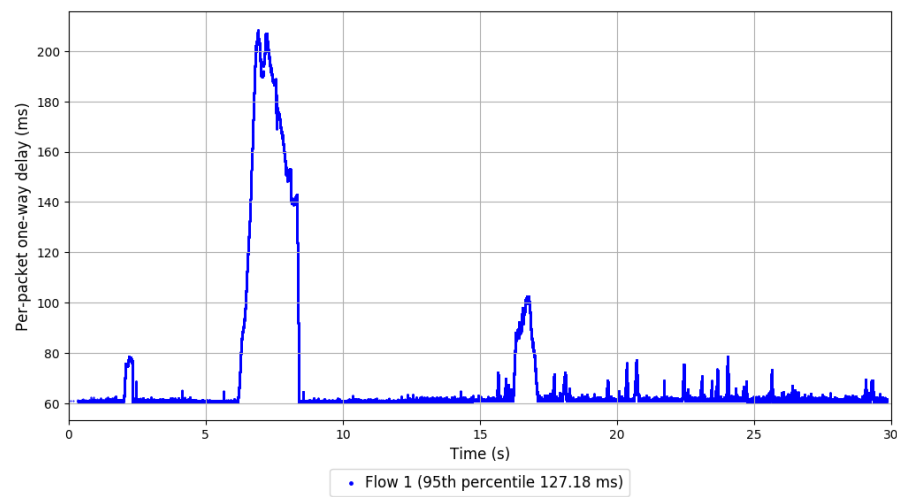
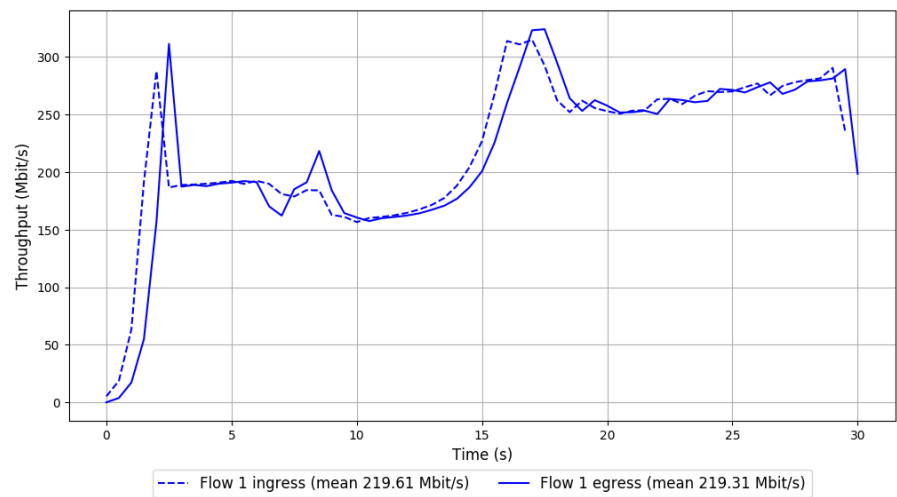


Run 9: Statistics of PCC-Expr

Start at: 2018-07-11 12:11:44
End at: 2018-07-11 12:12:14
Local clock offset: -0.061 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-11 14:10:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.31 Mbit/s
95th percentile per-packet one-way delay: 127.184 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 219.31 Mbit/s
95th percentile per-packet one-way delay: 127.184 ms
Loss rate: 0.55%

Run 9: Report of PCC-Expr — Data Link

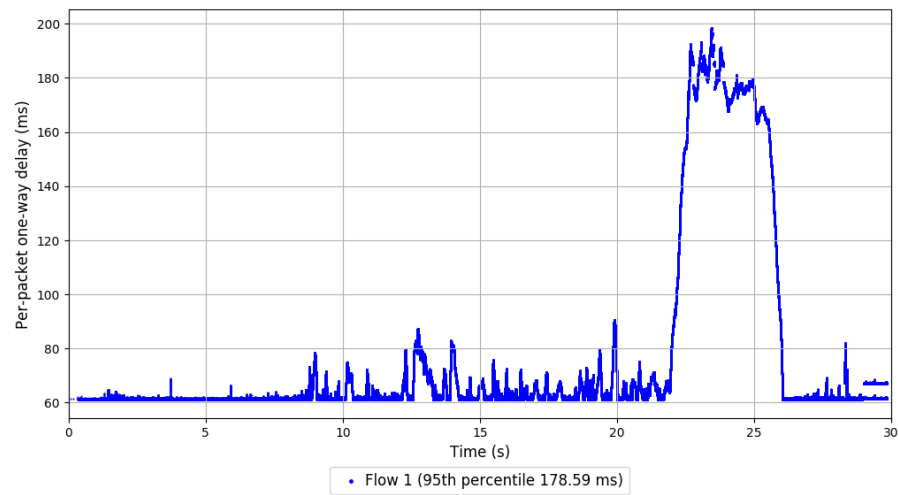
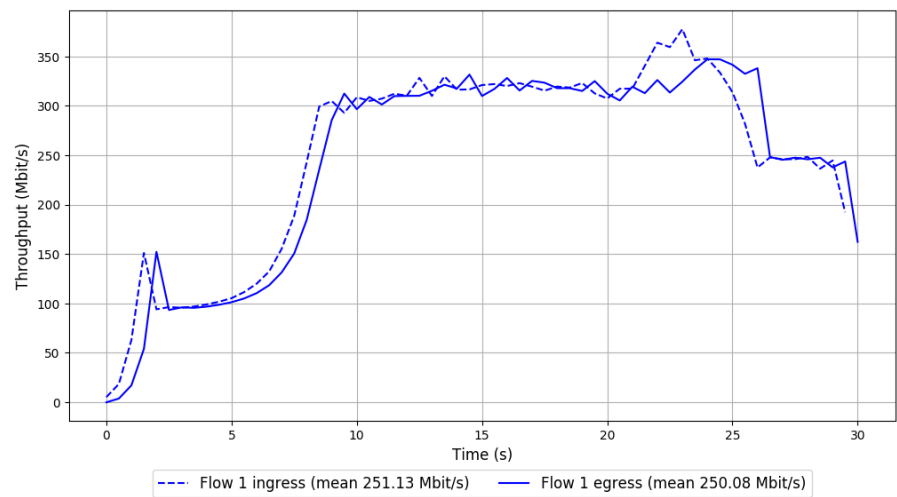


Run 10: Statistics of PCC-Expr

Start at: 2018-07-11 12:33:40
End at: 2018-07-11 12:34:10
Local clock offset: -0.07 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.08 Mbit/s
95th percentile per-packet one-way delay: 178.587 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 250.08 Mbit/s
95th percentile per-packet one-way delay: 178.587 ms
Loss rate: 0.83%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

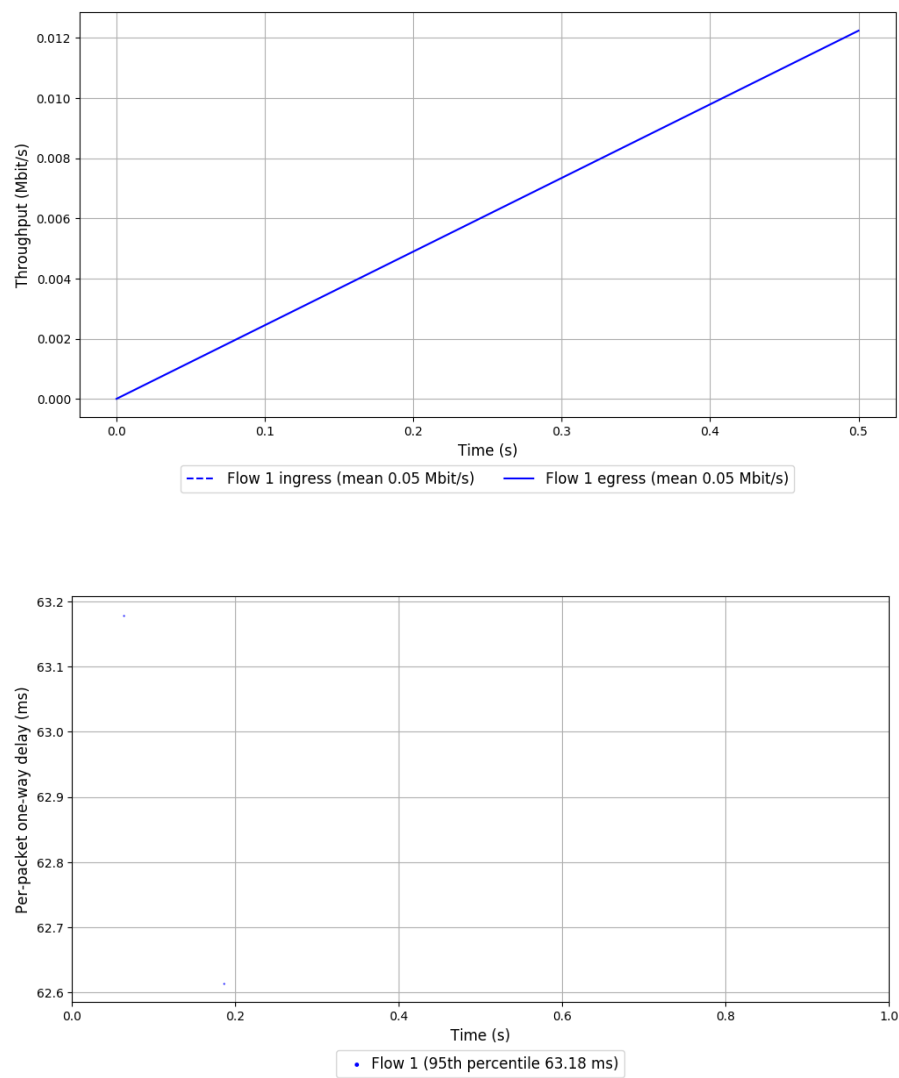
Start at: 2018-07-11 09:11:34

End at: 2018-07-11 09:12:04

Local clock offset: -0.044 ms

Remote clock offset: -1.437 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-11 09:33:35

End at: 2018-07-11 09:34:05

Local clock offset: -0.05 ms

Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-11 14:10:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 61.281 ms

Loss rate: 0.65%

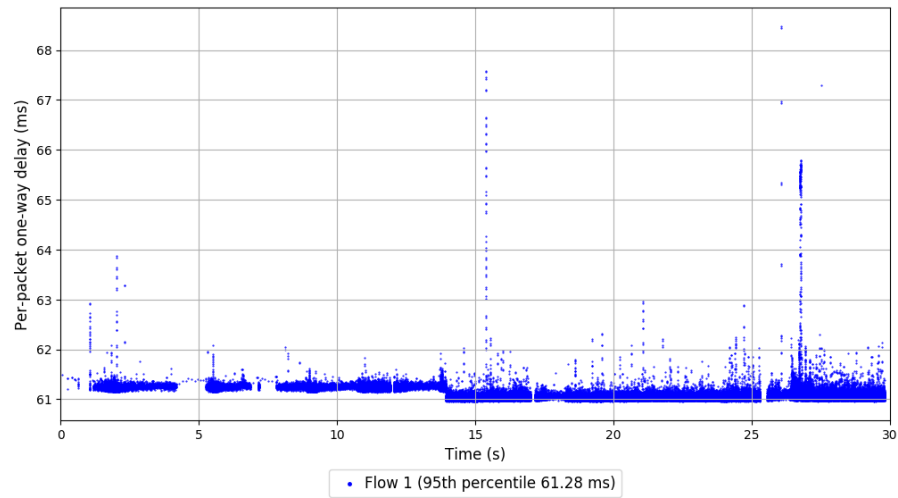
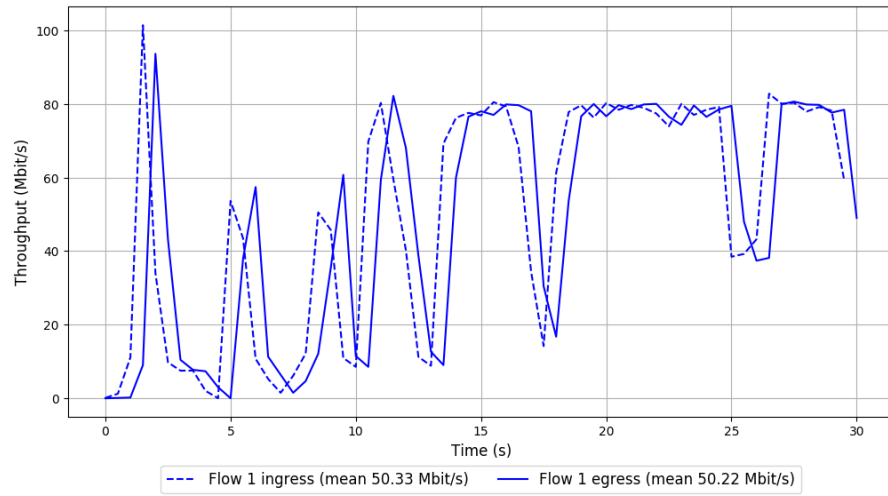
-- Flow 1:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 61.281 ms

Loss rate: 0.65%

Run 2: Report of QUIC Cubic — Data Link

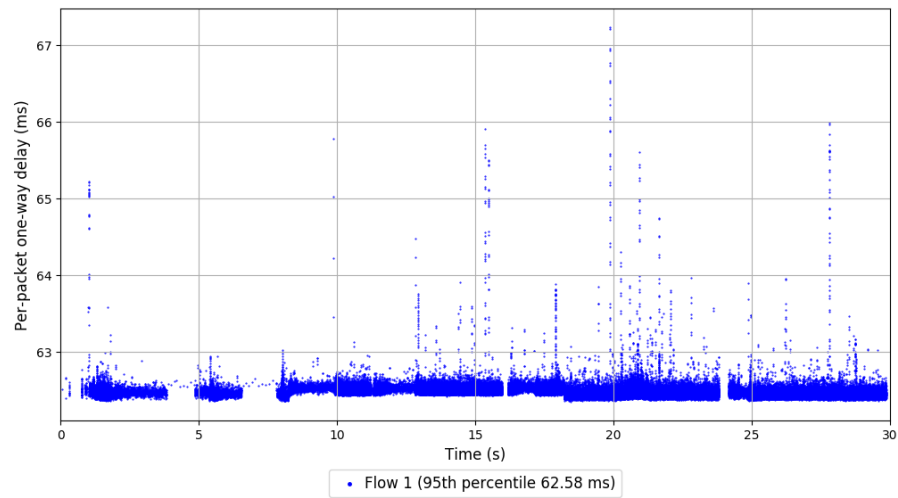
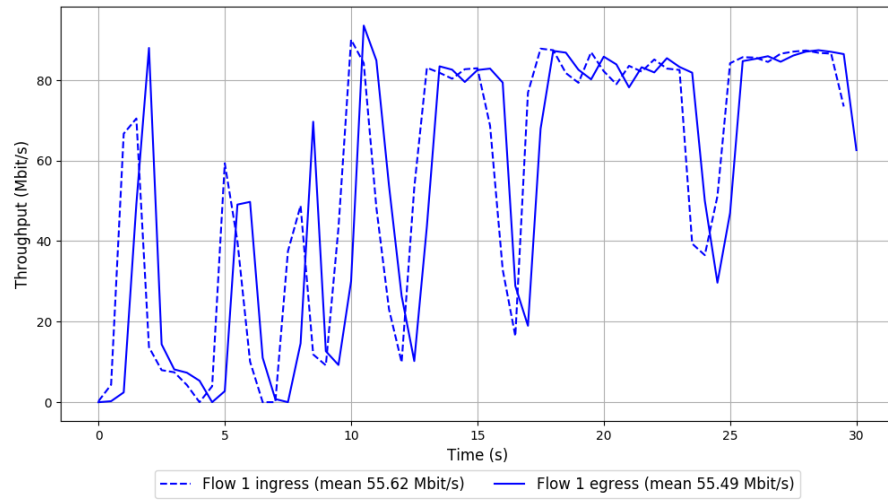


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-11 09:55:41
End at: 2018-07-11 09:56:11
Local clock offset: -0.079 ms
Remote clock offset: -1.552 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.49 Mbit/s
95th percentile per-packet one-way delay: 62.578 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 55.49 Mbit/s
95th percentile per-packet one-way delay: 62.578 ms
Loss rate: 0.65%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-11 10:17:24

End at: 2018-07-11 10:17:54

Local clock offset: -0.04 ms

Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-11 14:10:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.92 Mbit/s

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

Loss rate: 0.65%

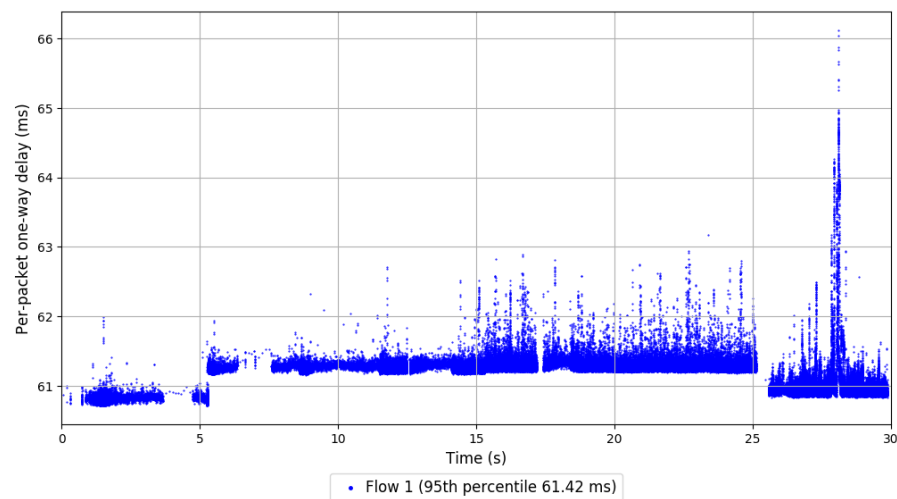
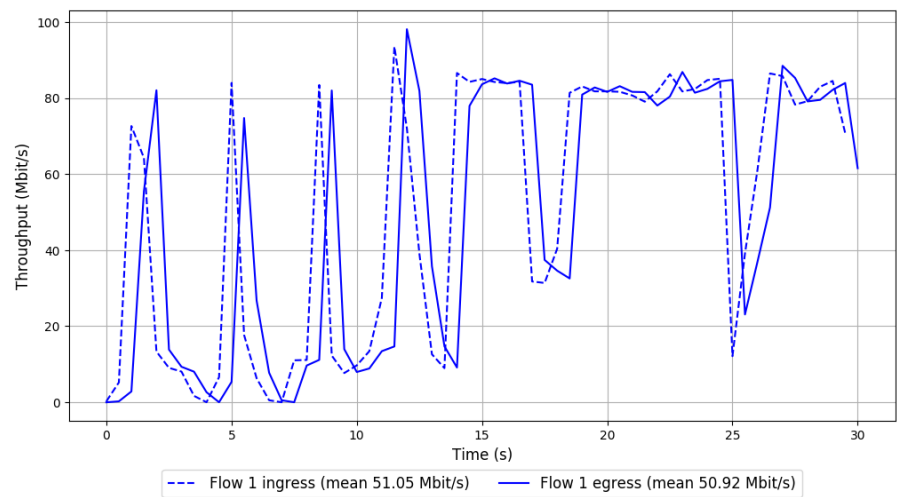
-- Flow 1:

Average throughput: 50.92 Mbit/s

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

Loss rate: 0.65%

Run 4: Report of QUIC Cubic — Data Link

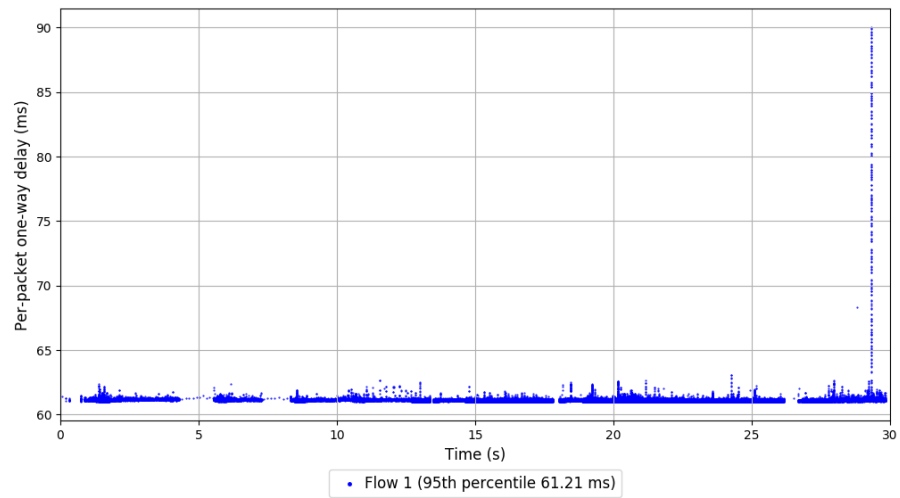
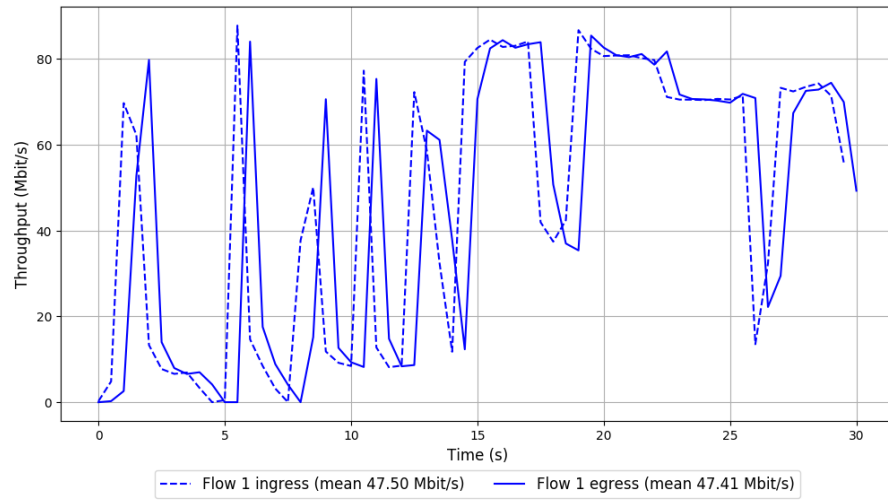


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-11 10:39:31
End at: 2018-07-11 10:40:01
Local clock offset: -0.113 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.41 Mbit/s
95th percentile per-packet one-way delay: 61.208 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 47.41 Mbit/s
95th percentile per-packet one-way delay: 61.208 ms
Loss rate: 0.60%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-11 11:01:18

End at: 2018-07-11 11:01:48

Local clock offset: -0.033 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2018-07-11 14:10:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.23 Mbit/s

95th percentile per-packet one-way delay: 60.818 ms

Loss rate: 0.69%

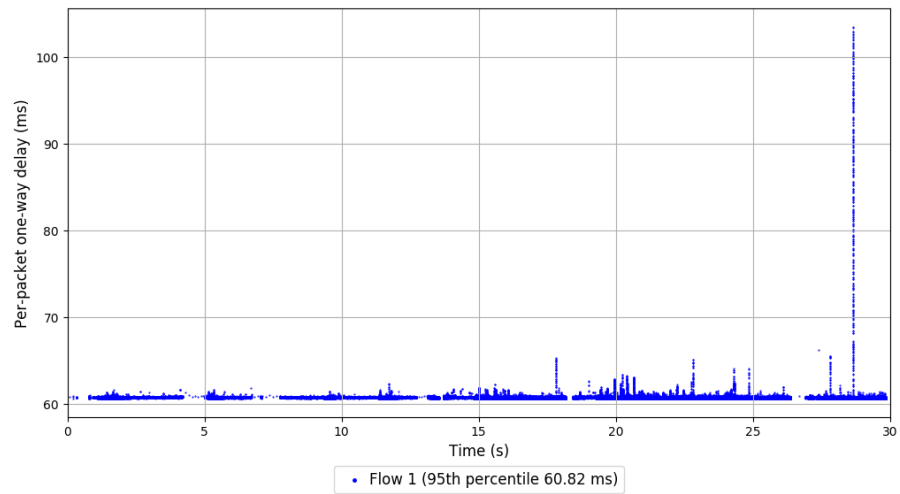
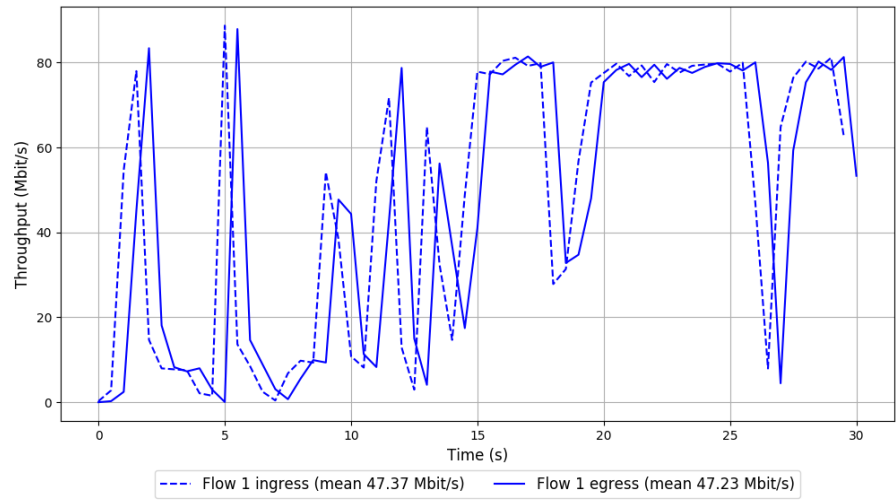
-- Flow 1:

Average throughput: 47.23 Mbit/s

95th percentile per-packet one-way delay: 60.818 ms

Loss rate: 0.69%

Run 6: Report of QUIC Cubic — Data Link

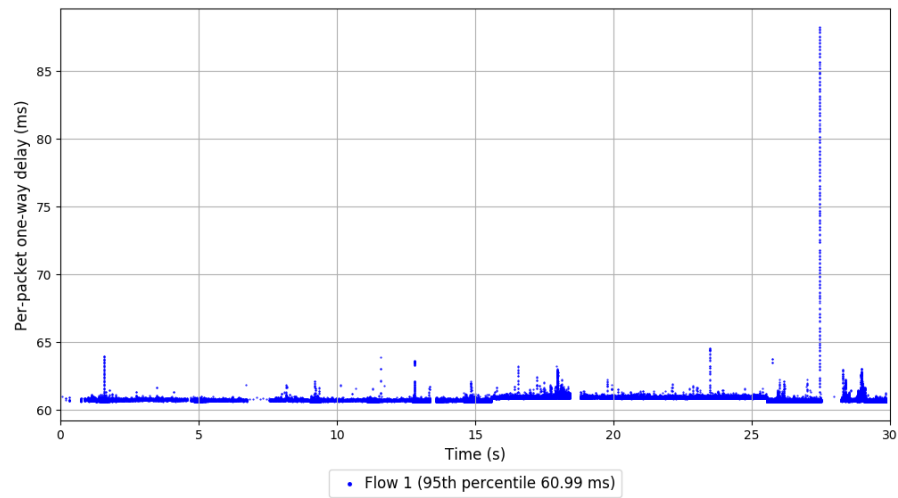
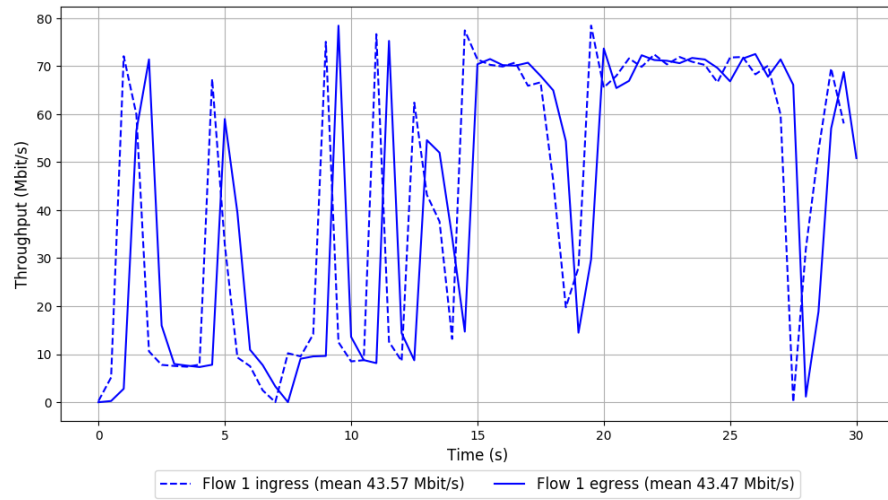


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-11 11:23:43
End at: 2018-07-11 11:24:13
Local clock offset: -0.061 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: 60.992 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: 60.992 ms
Loss rate: 0.63%

Run 7: Report of QUIC Cubic — Data Link

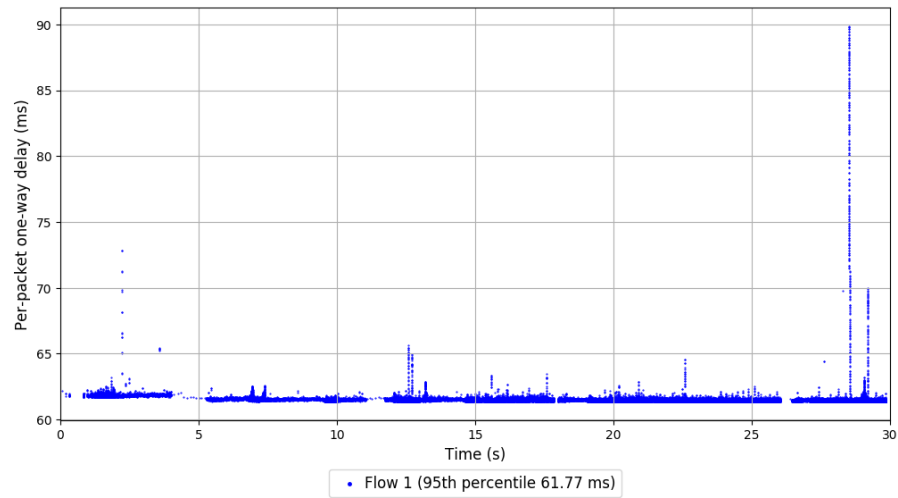
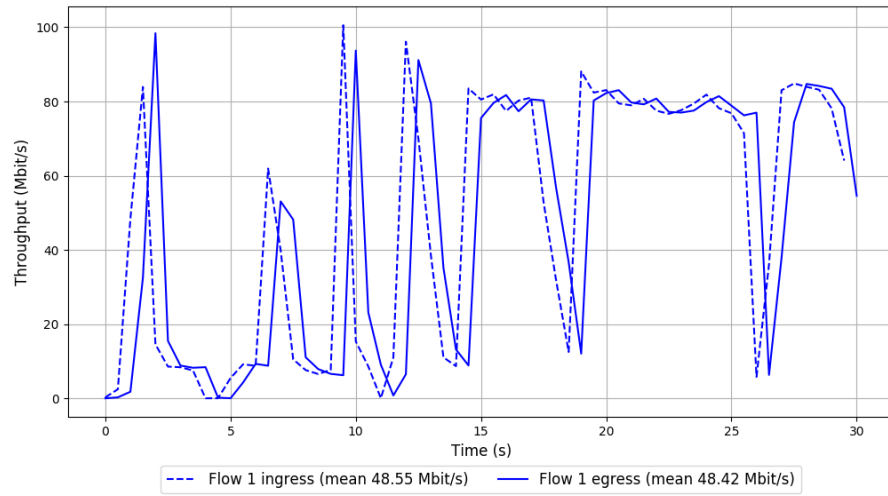


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-11 11:45:55
End at: 2018-07-11 11:46:25
Local clock offset: -0.054 ms
Remote clock offset: -0.611 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 61.767 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 61.767 ms
Loss rate: 0.66%

Run 8: Report of QUIC Cubic — Data Link

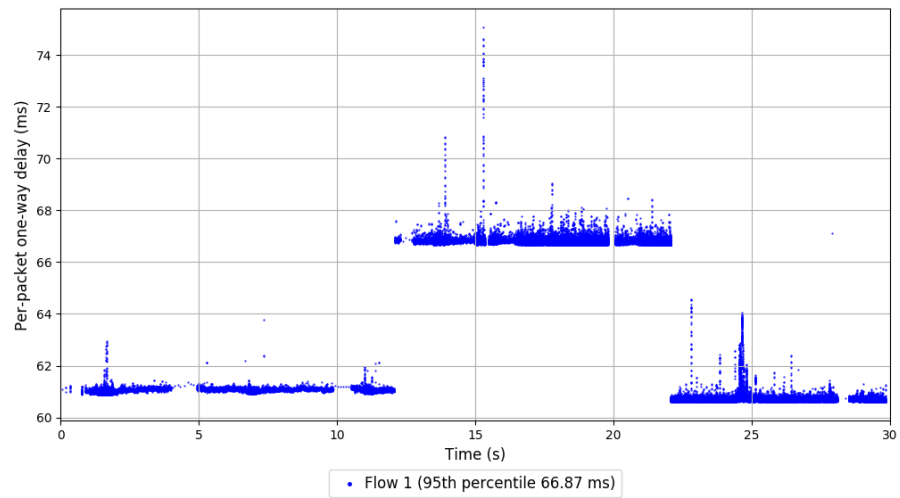
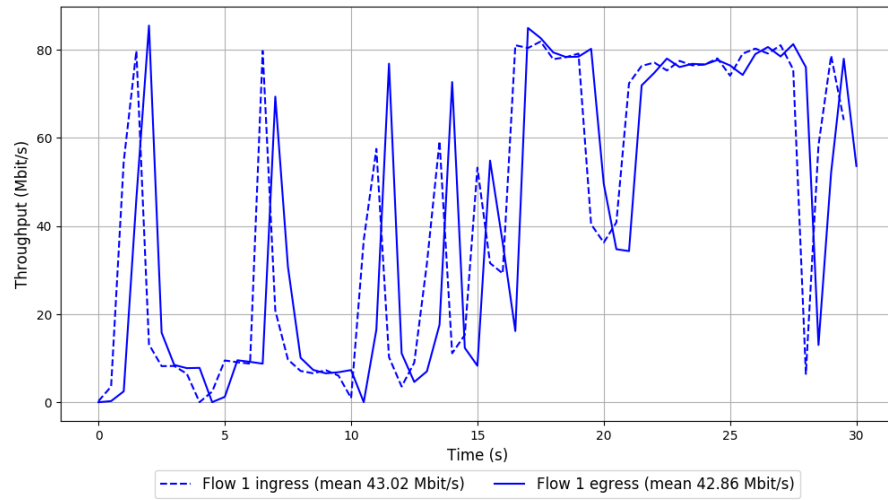


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-11 12:08:07
End at: 2018-07-11 12:08:37
Local clock offset: -0.042 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.86 Mbit/s
95th percentile per-packet one-way delay: 66.868 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 42.86 Mbit/s
95th percentile per-packet one-way delay: 66.868 ms
Loss rate: 0.78%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-11 12:30:03

End at: 2018-07-11 12:30:33

Local clock offset: -0.079 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-07-11 14:10:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.65 Mbit/s

95th percentile per-packet one-way delay: 60.832 ms

Loss rate: 0.62%

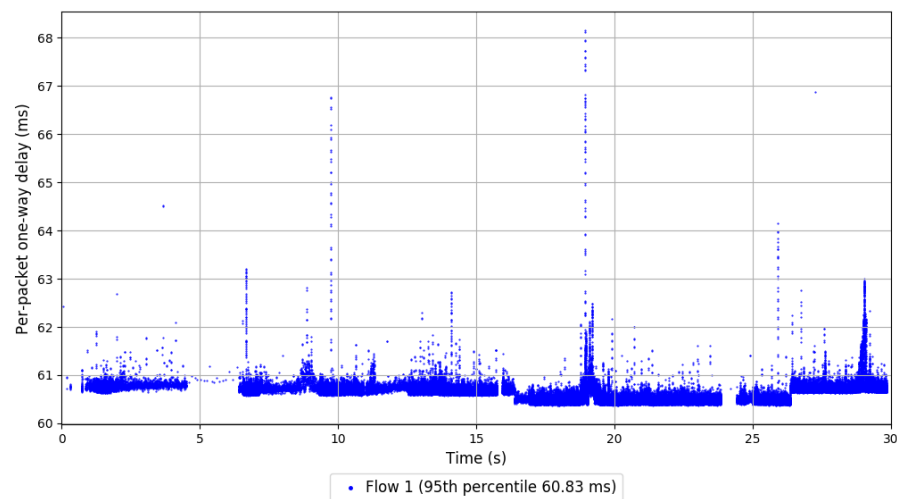
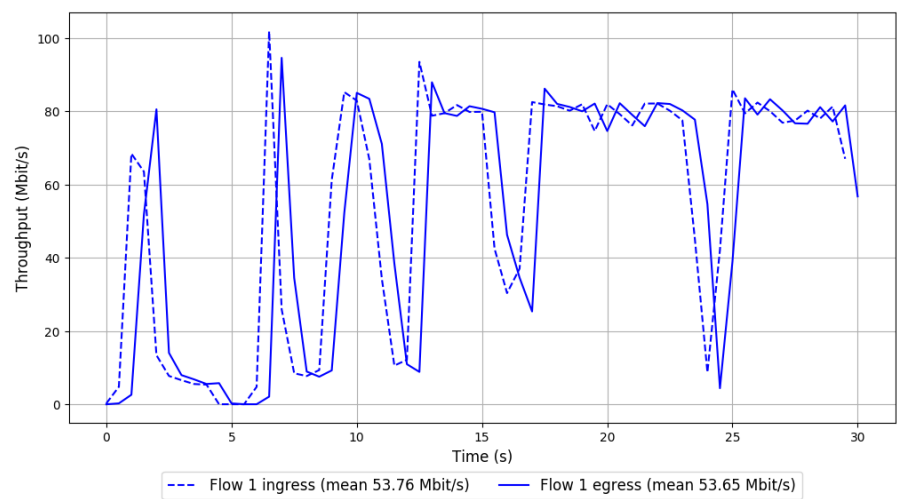
-- Flow 1:

Average throughput: 53.65 Mbit/s

95th percentile per-packet one-way delay: 60.832 ms

Loss rate: 0.62%

Run 10: Report of QUIC Cubic — Data Link

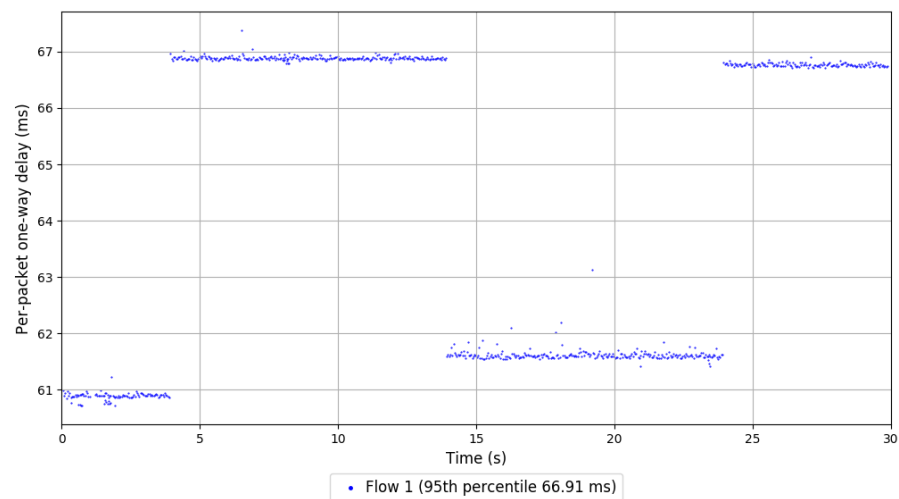
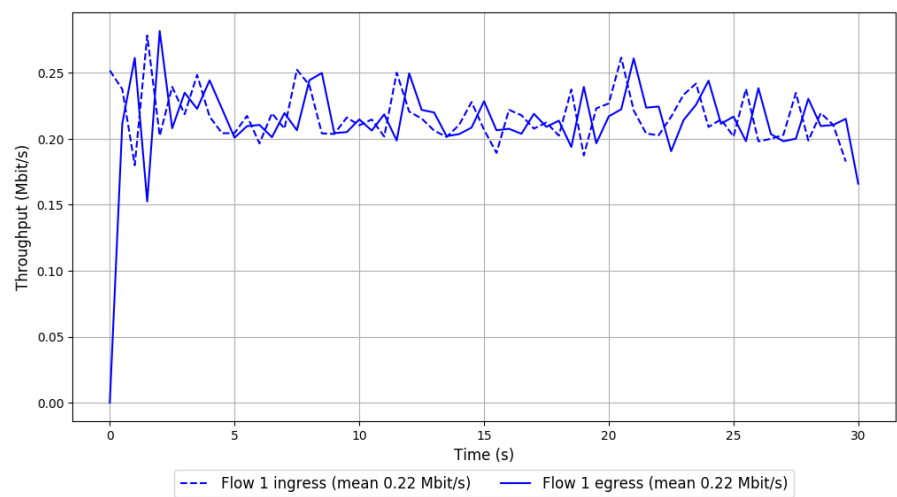


```
Run 1: Statistics of SCReAM

Start at: 2018-07-11 09:09:03
End at: 2018-07-11 09:09:33
Local clock offset: -0.08 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-07-11 14:10:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.908 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.908 ms
Loss rate: 0.38%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-11 09:31:05

End at: 2018-07-11 09:31:35

Local clock offset: -0.067 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-11 14:10:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.906 ms

Loss rate: 0.38%

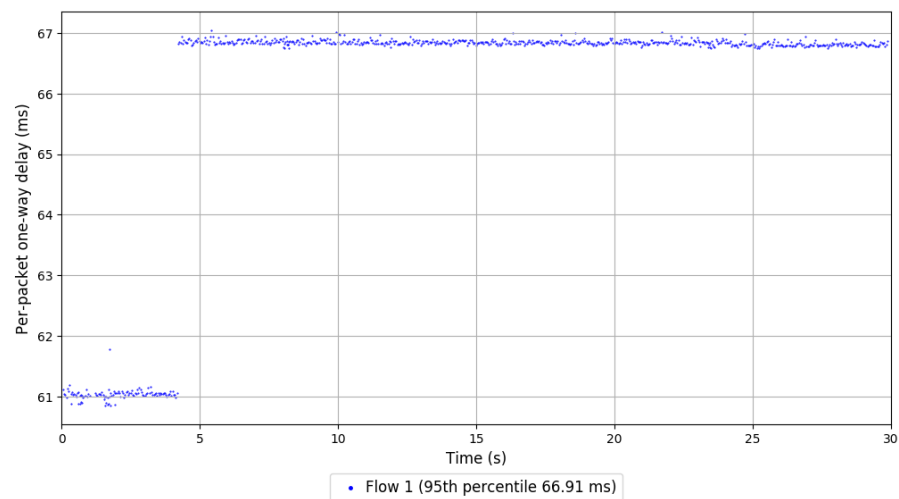
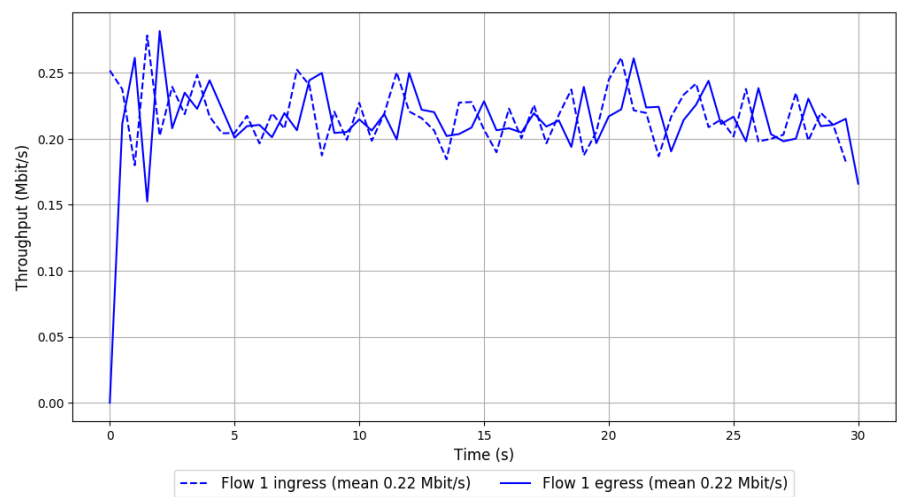
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.906 ms

Loss rate: 0.38%

Run 2: Report of SReAM — Data Link

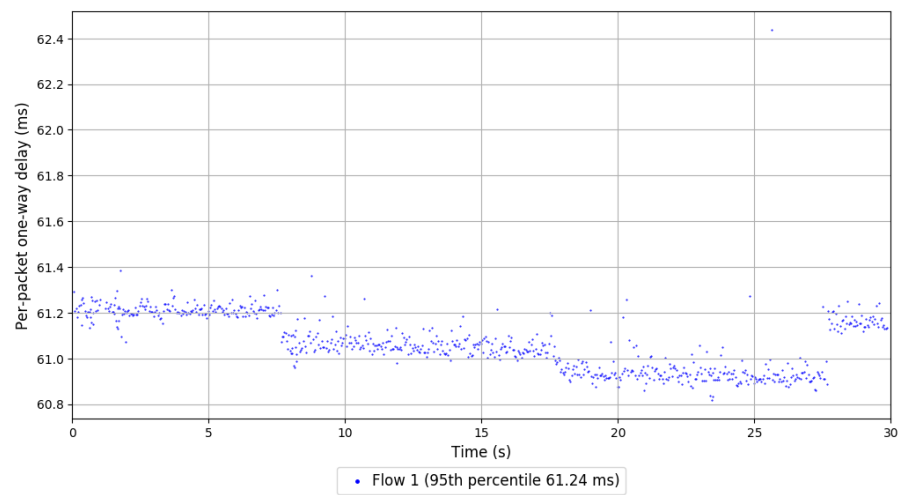
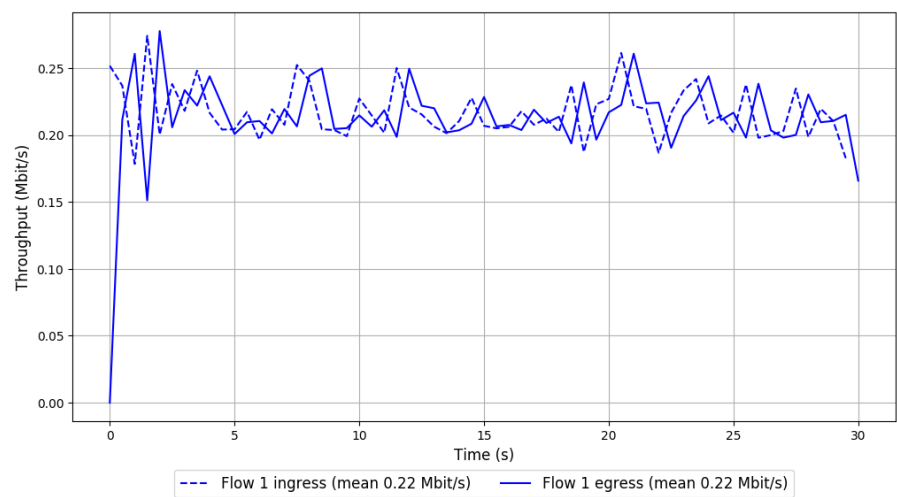


Run 3: Statistics of SCReAM

Start at: 2018-07-11 09:53:11
End at: 2018-07-11 09:53:41
Local clock offset: -0.068 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.239 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.239 ms
Loss rate: 0.38%

Run 3: Report of SReAM — Data Link

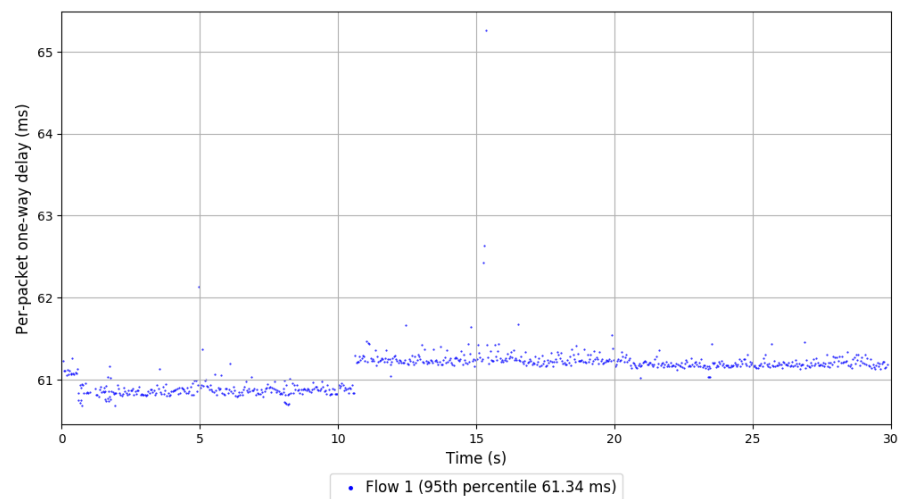
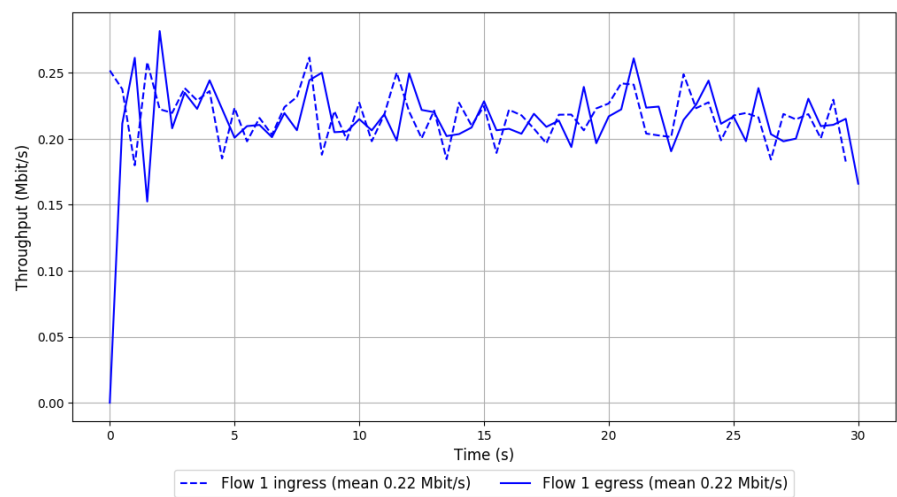


Run 4: Statistics of SCReAM

Start at: 2018-07-11 10:14:56
End at: 2018-07-11 10:15:26
Local clock offset: -0.069 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.342 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.342 ms
Loss rate: 0.38%

Run 4: Report of SReAM — Data Link

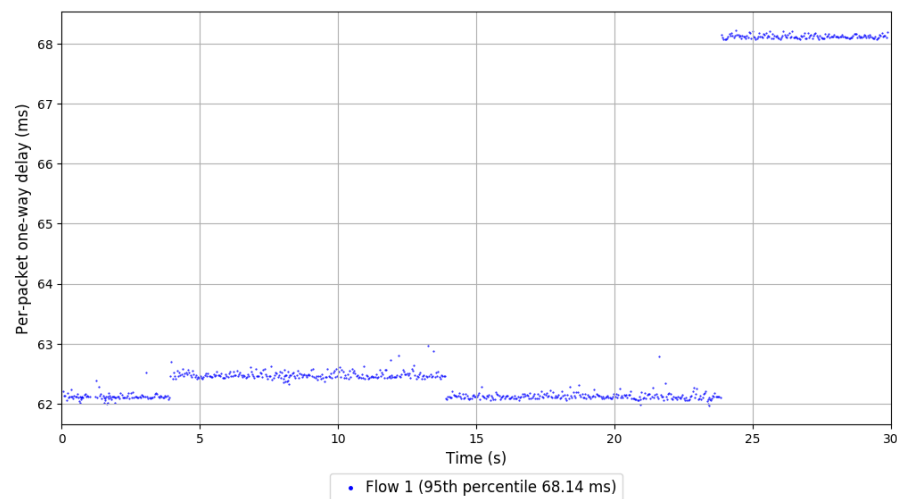
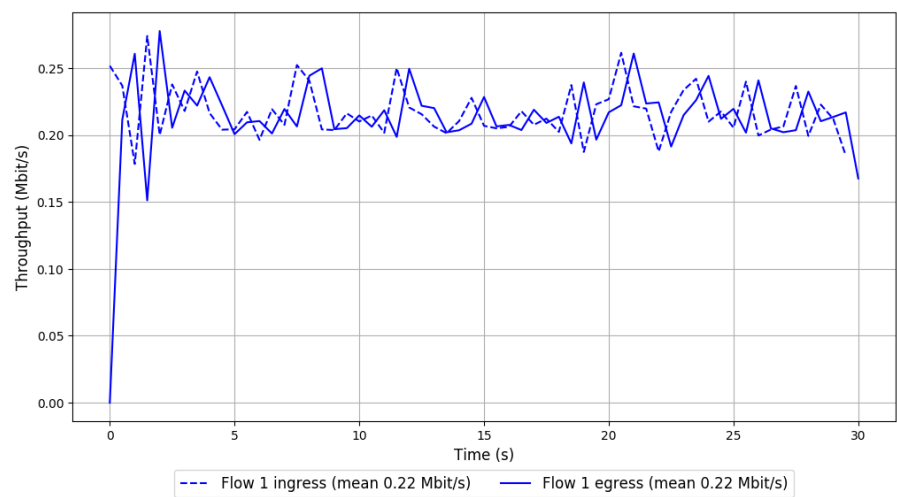


Run 5: Statistics of SCReAM

Start at: 2018-07-11 10:37:03
End at: 2018-07-11 10:37:33
Local clock offset: -0.04 ms
Remote clock offset: -1.303 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 68.135 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 68.135 ms
Loss rate: 0.38%

Run 5: Report of SReAM — Data Link

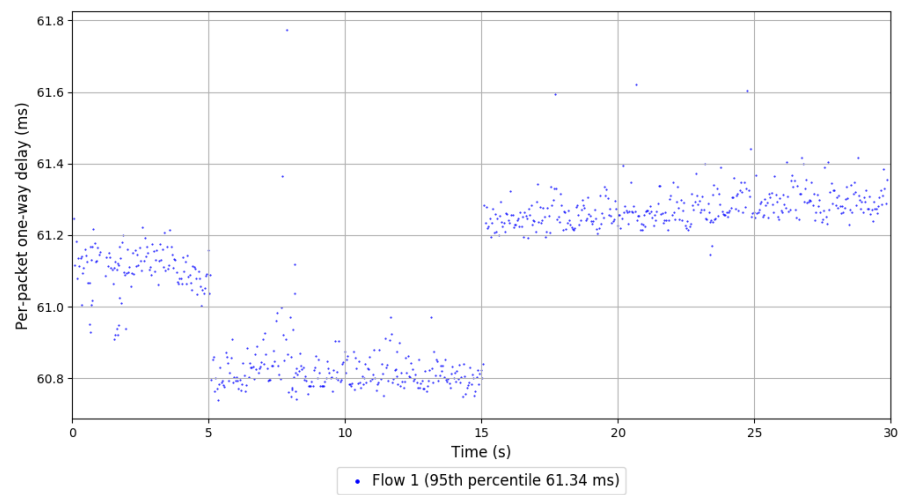
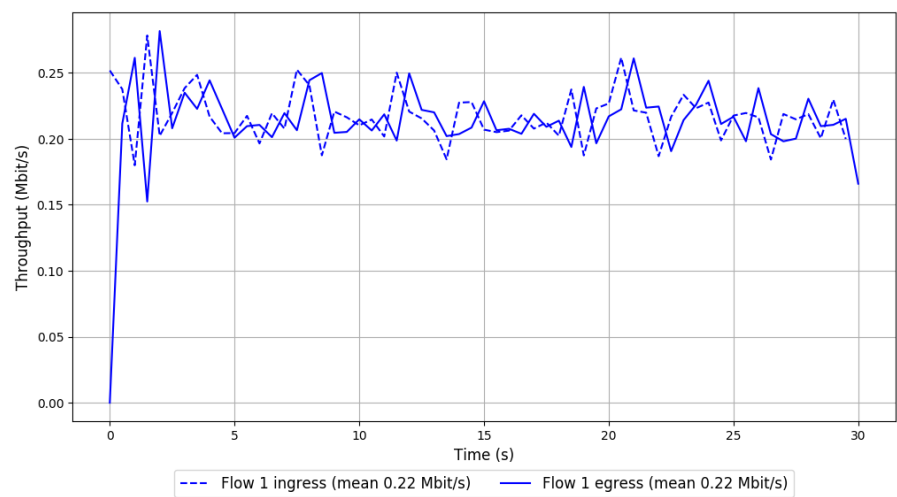


Run 6: Statistics of SCReAM

Start at: 2018-07-11 10:58:54
End at: 2018-07-11 10:59:24
Local clock offset: -0.13 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.336 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.336 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

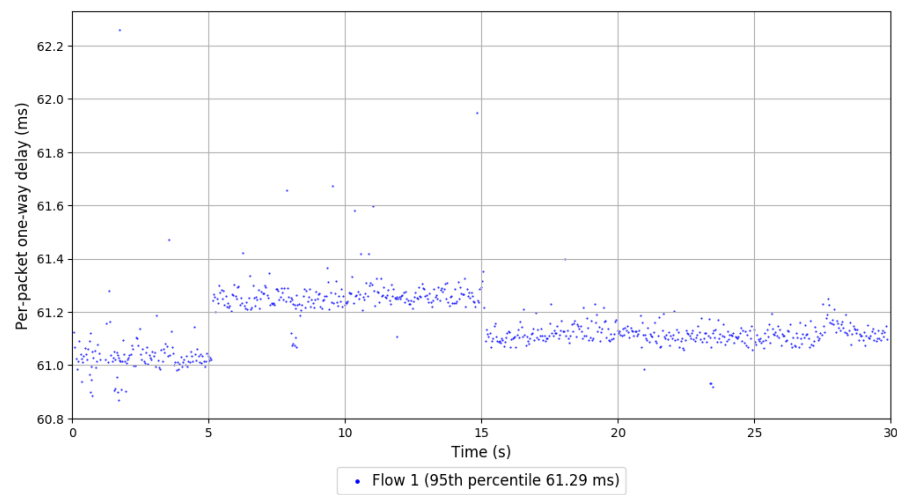
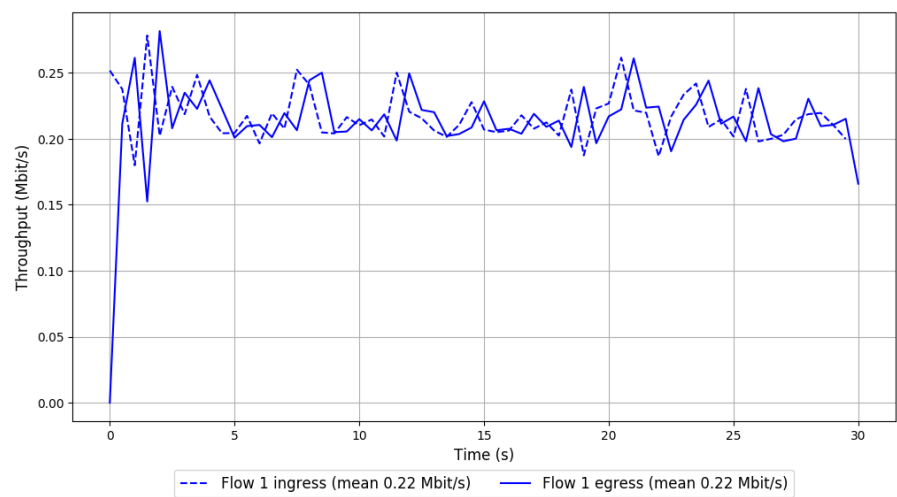


Run 7: Statistics of SCReAM

Start at: 2018-07-11 11:21:14
End at: 2018-07-11 11:21:44
Local clock offset: -0.043 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-11 14:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.293 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.293 ms
Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-11 11:43:26

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

Local clock offset: -0.047 ms

Remote clock offset: 0.883 ms

Below is generated by plot.py at 2018-07-11 14:10:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.263 ms

Loss rate: 0.38%

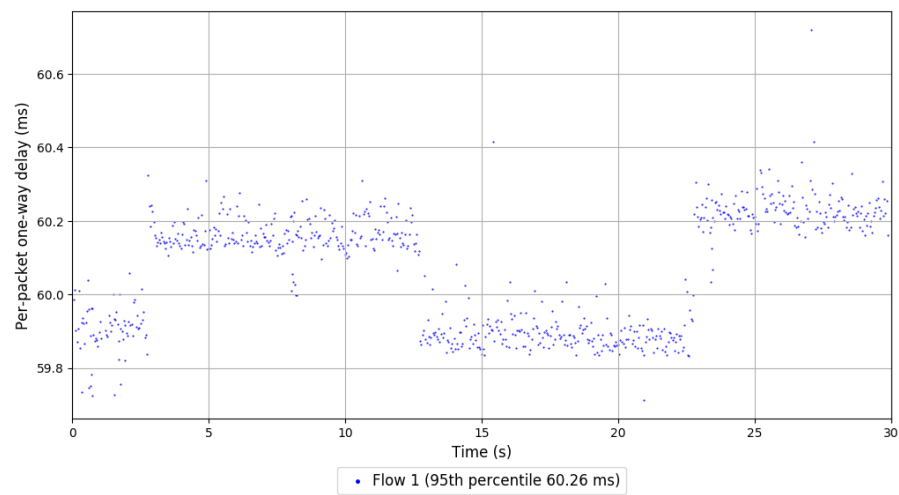
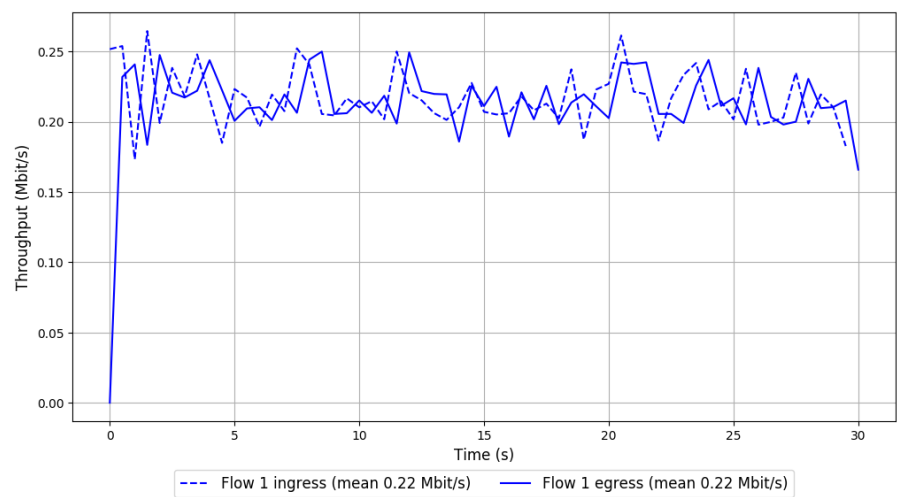
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.263 ms

Loss rate: 0.38%

Run 8: Report of SReAM — Data Link

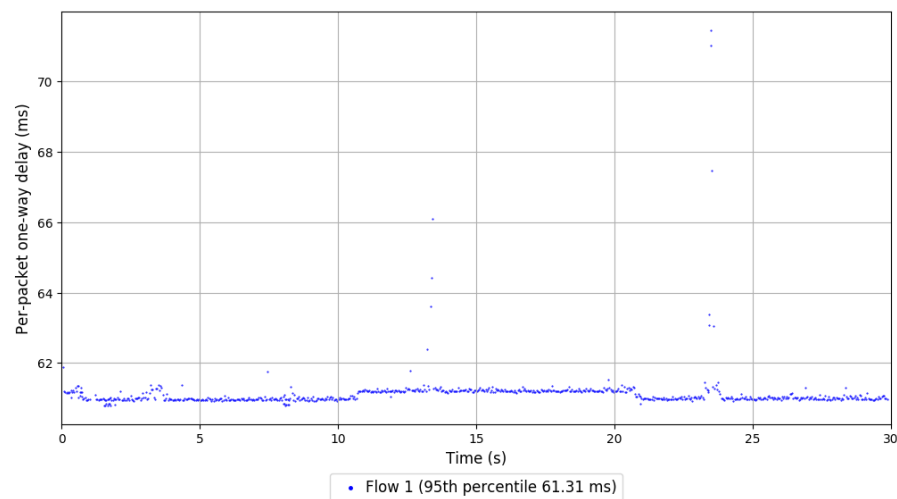
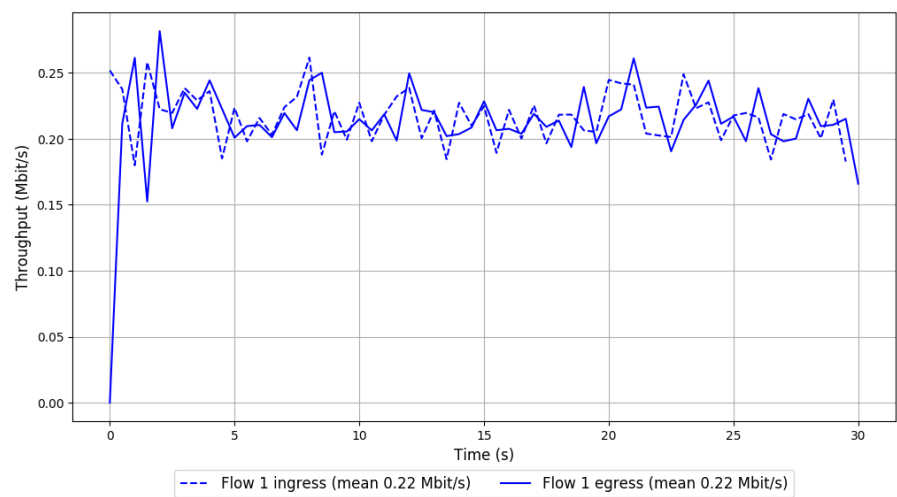


Run 9: Statistics of SCReAM

Start at: 2018-07-11 12:05:38
End at: 2018-07-11 12:06:08
Local clock offset: -0.025 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-07-11 14:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.311 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.311 ms
Loss rate: 0.38%

Run 9: Report of SReAM — Data Link

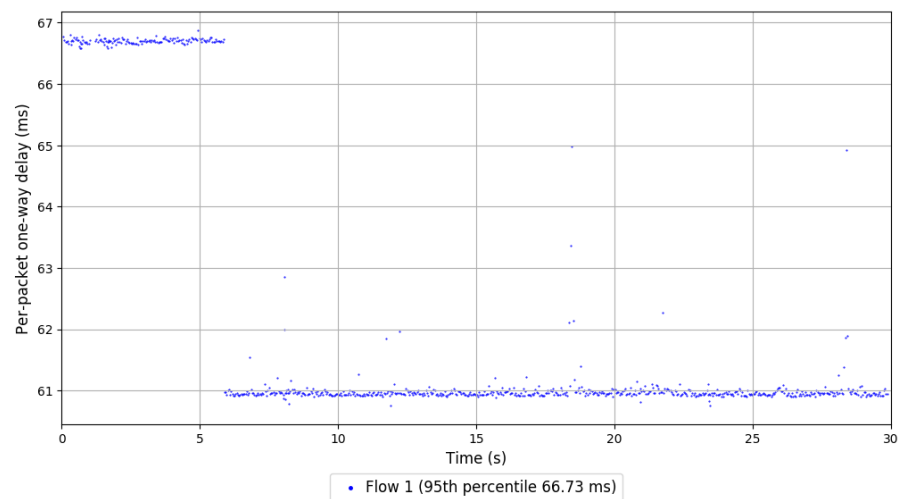
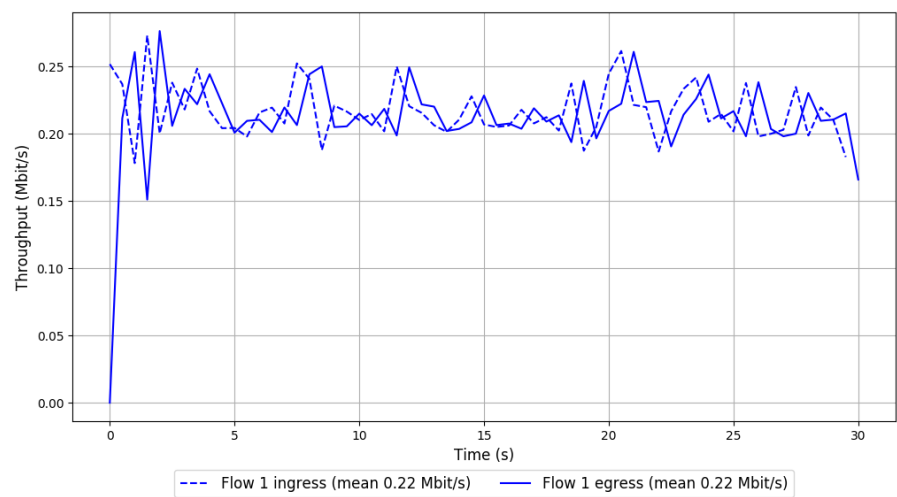


Run 10: Statistics of SReAM

Start at: 2018-07-11 12:27:33
End at: 2018-07-11 12:28:03
Local clock offset: -0.063 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-11 14:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.731 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.731 ms
Loss rate: 0.38%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-11 09:04:07

End at: 2018-07-11 09:04:37

Local clock offset: -0.049 ms

Remote clock offset: 1.289 ms

Below is generated by plot.py at 2018-07-11 14:10:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 60.174 ms

Loss rate: 0.10%

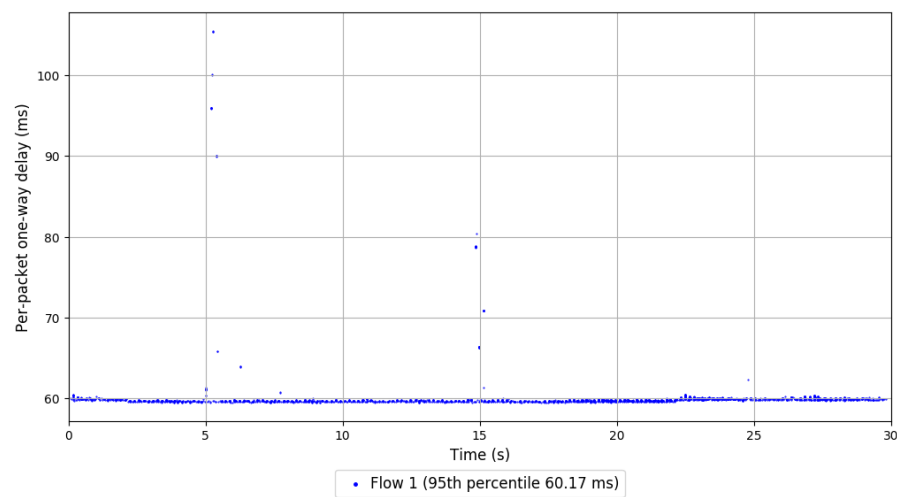
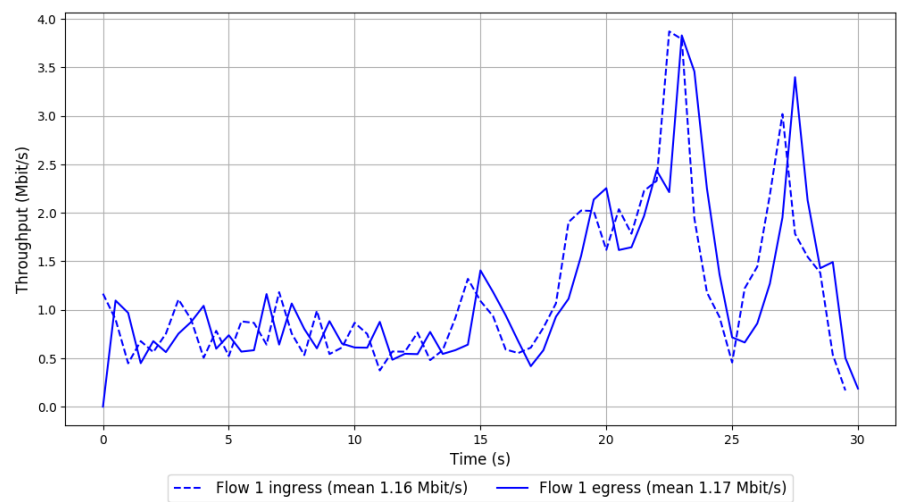
-- Flow 1:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 60.174 ms

Loss rate: 0.10%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-11 09:26:26

End at: 2018-07-11 09:26:56

Local clock offset: -0.118 ms

Remote clock offset: 1.203 ms

Below is generated by plot.py at 2018-07-11 14:10:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 65.689 ms

Loss rate: 0.34%

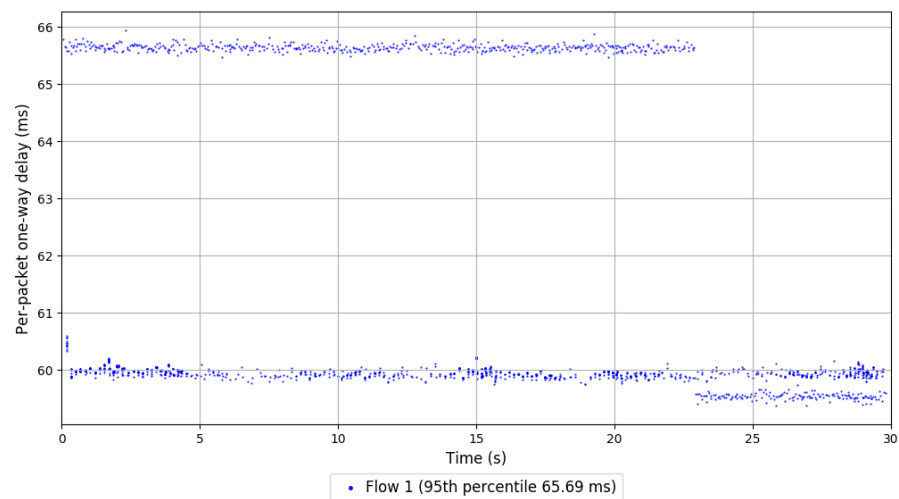
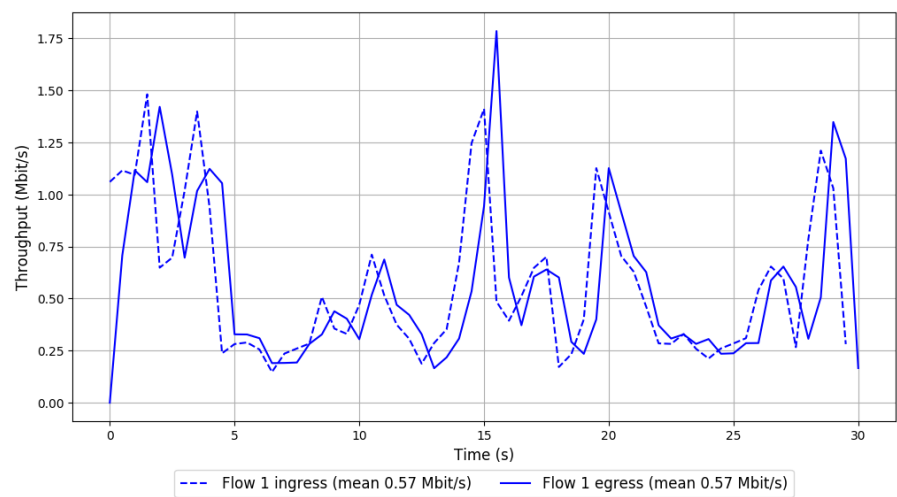
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 65.689 ms

Loss rate: 0.34%

Run 2: Report of Sprout — Data Link

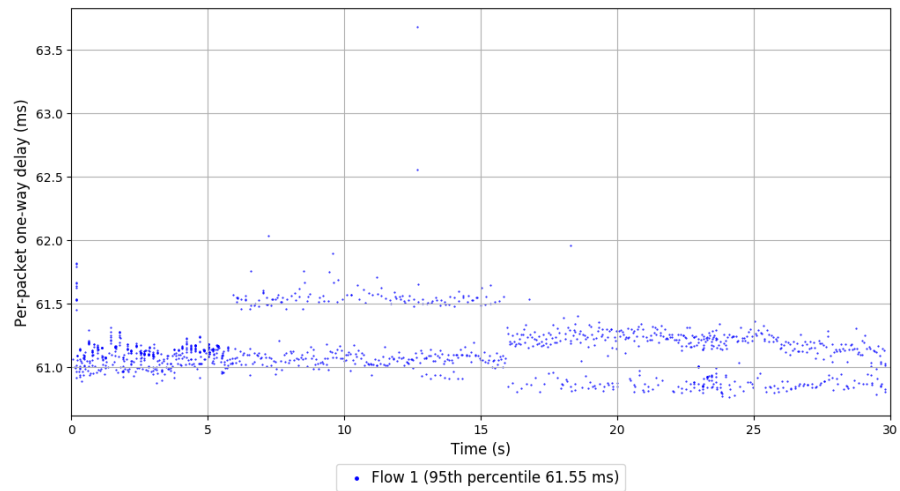
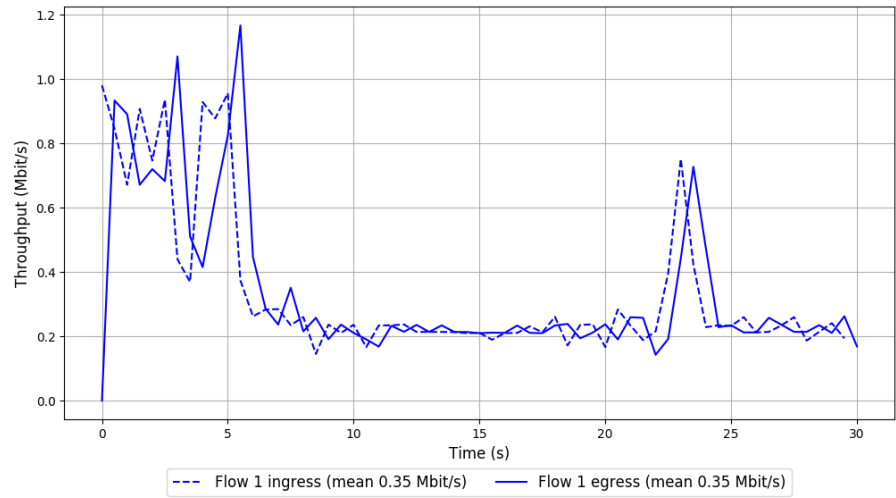


Run 3: Statistics of Sprout

Start at: 2018-07-11 09:48:13
End at: 2018-07-11 09:48:43
Local clock offset: -0.091 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-11 14:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 61.546 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 61.546 ms
Loss rate: 0.13%

Run 3: Report of Sprout — Data Link

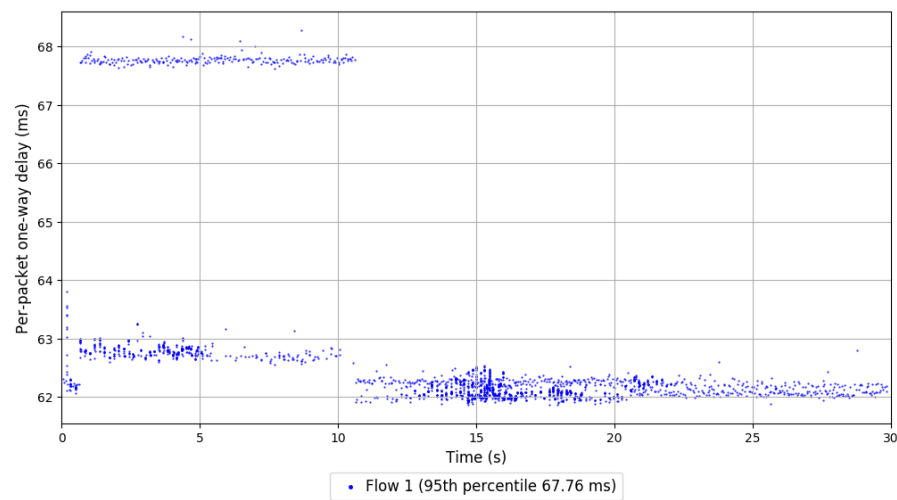
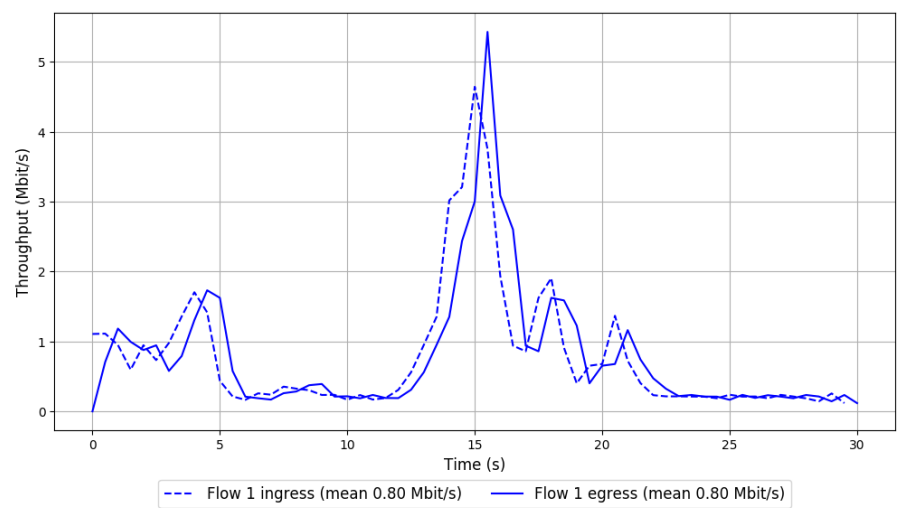


Run 4: Statistics of Sprout

Start at: 2018-07-11 10:10:18
End at: 2018-07-11 10:10:48
Local clock offset: -0.022 ms
Remote clock offset: -1.119 ms

Below is generated by plot.py at 2018-07-11 14:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 67.759 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 67.759 ms
Loss rate: 0.05%

Run 4: Report of Sprout — Data Link

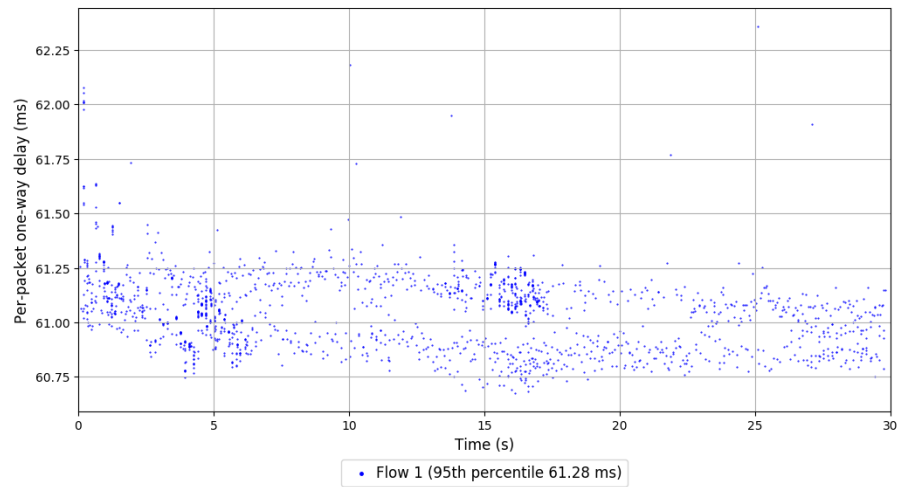
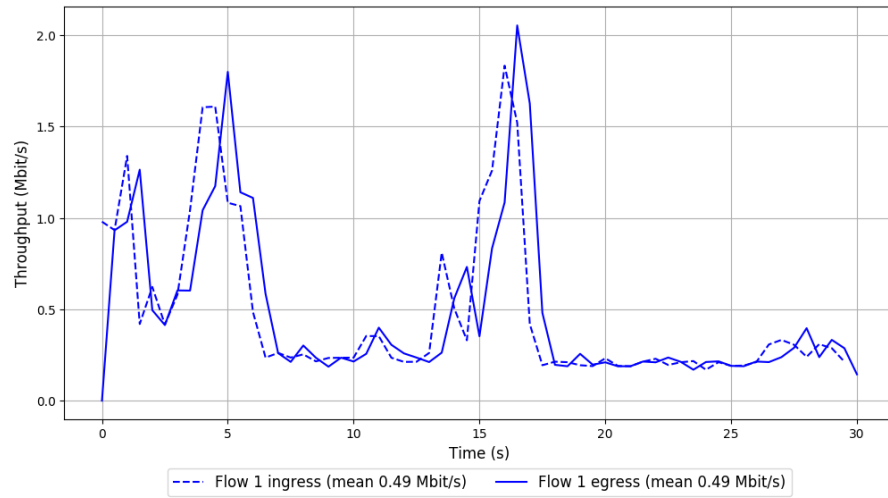


Run 5: Statistics of Sprout

Start at: 2018-07-11 10:32:16
End at: 2018-07-11 10:32:46
Local clock offset: -0.066 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-11 14:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 61.278 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 61.278 ms
Loss rate: 0.24%

Run 5: Report of Sprout — Data Link

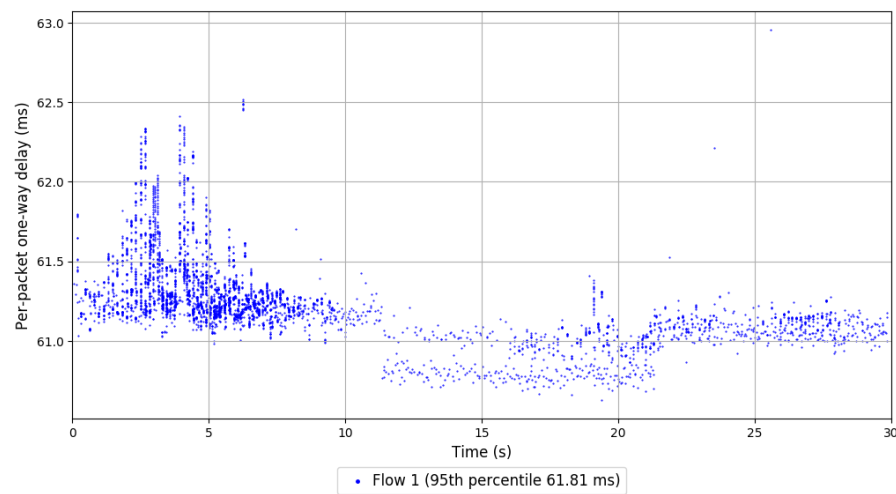
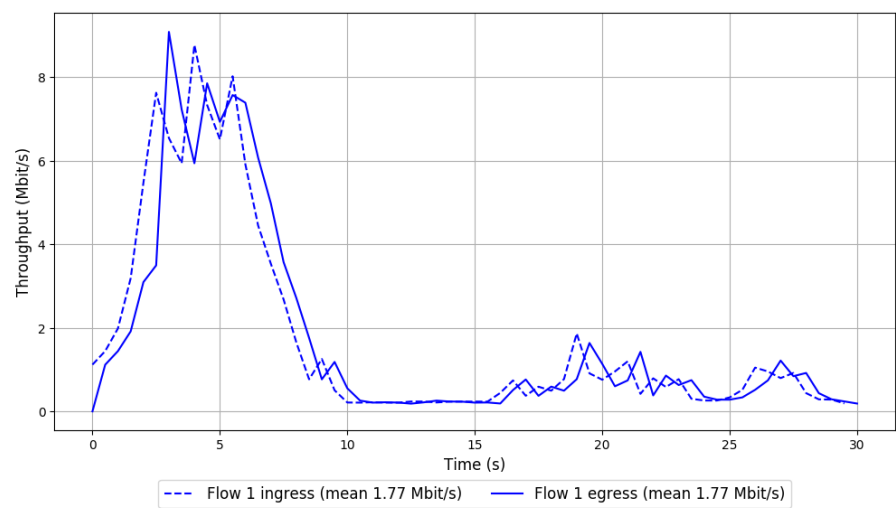


Run 6: Statistics of Sprout

Start at: 2018-07-11 10:53:58
End at: 2018-07-11 10:54:28
Local clock offset: -0.046 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-11 14:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 61.811 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 61.811 ms
Loss rate: 0.05%

Run 6: Report of Sprout — Data Link

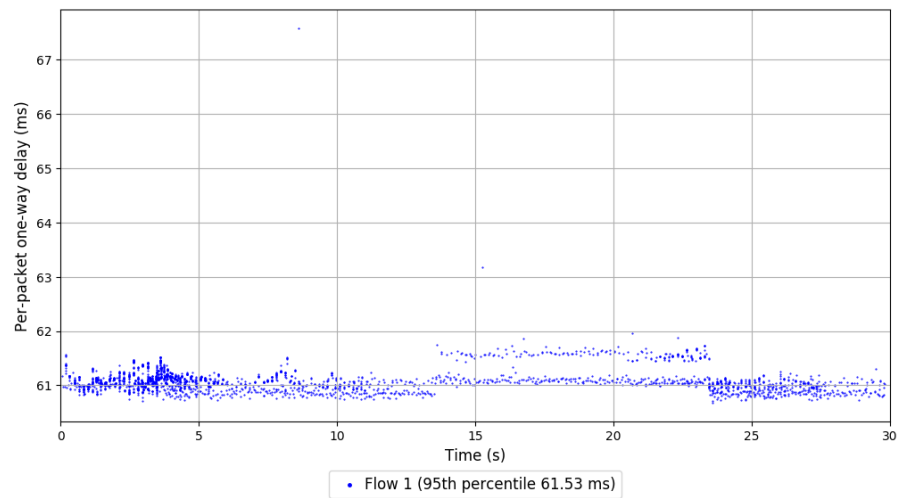
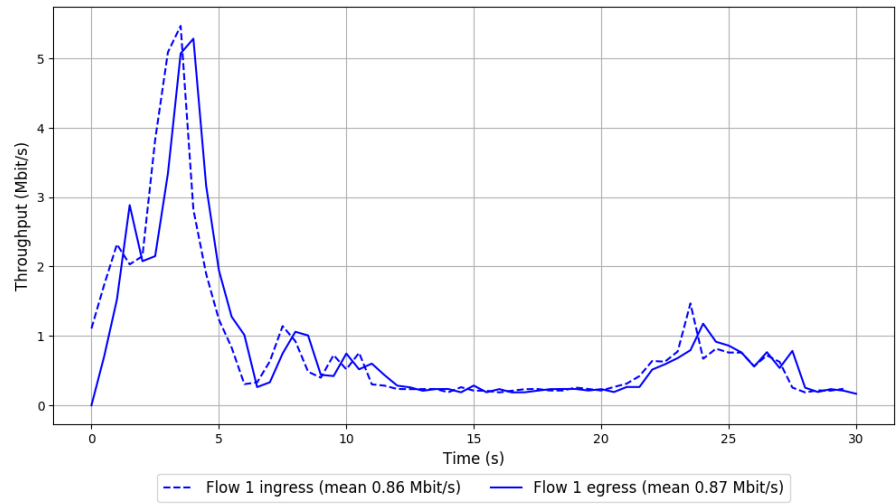


Run 7: Statistics of Sprout

Start at: 2018-07-11 11:16:15
End at: 2018-07-11 11:16:45
Local clock offset: -0.034 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-11 14:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 61.530 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 61.530 ms
Loss rate: 0.14%

Run 7: Report of Sprout — Data Link

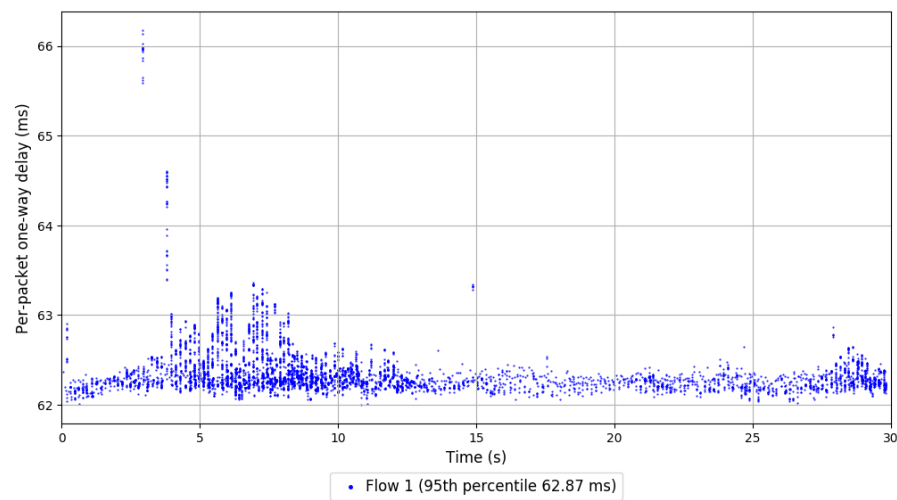
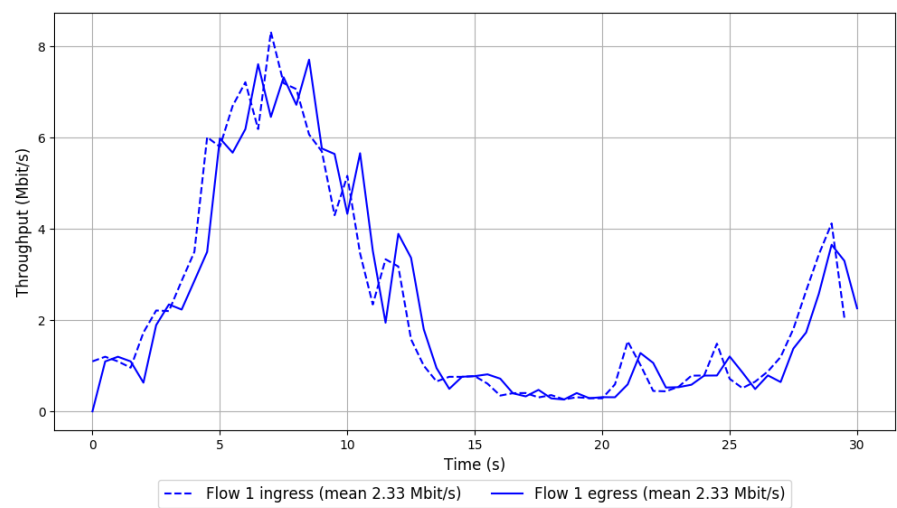


Run 8: Statistics of Sprout

Start at: 2018-07-11 11:38:28
End at: 2018-07-11 11:38:58
Local clock offset: -0.02 ms
Remote clock offset: -1.267 ms

Below is generated by plot.py at 2018-07-11 14:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 62.869 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 62.869 ms
Loss rate: 0.44%

Run 8: Report of Sprout — Data Link

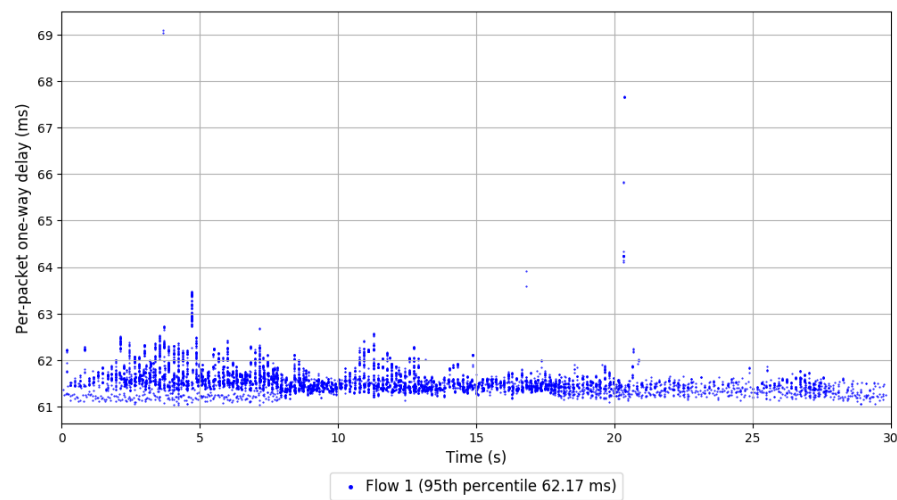
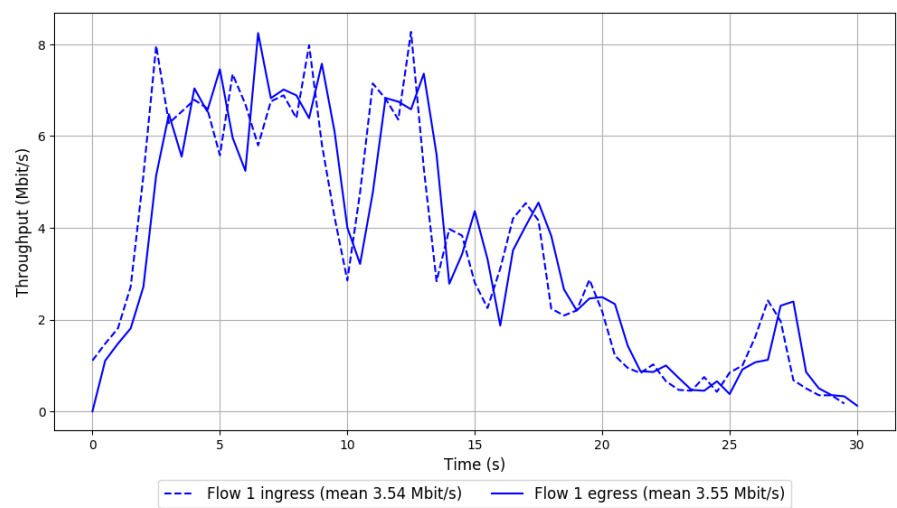


Run 9: Statistics of Sprout

Start at: 2018-07-11 12:00:41
End at: 2018-07-11 12:01:11
Local clock offset: -0.033 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-07-11 14:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 62.175 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 62.175 ms
Loss rate: 0.03%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-11 12:22:49

End at: 2018-07-11 12:23:19

Local clock offset: -0.043 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-11 14:10:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 61.905 ms

Loss rate: 0.13%

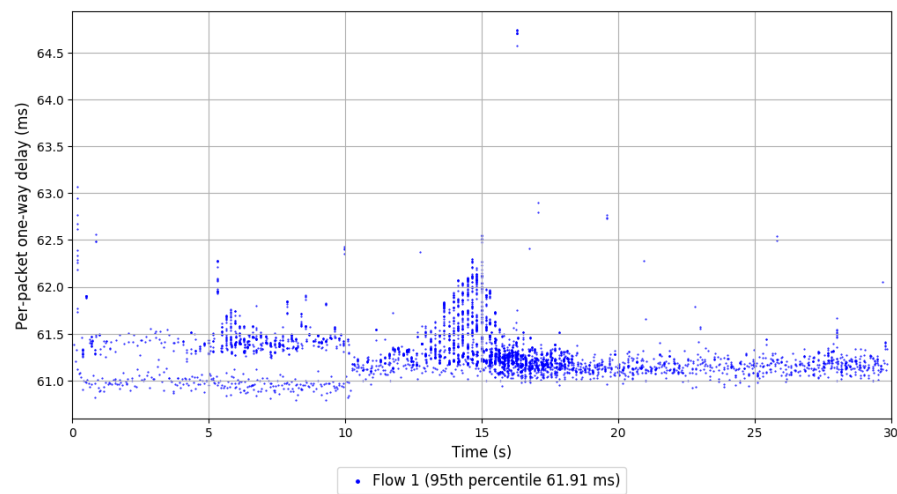
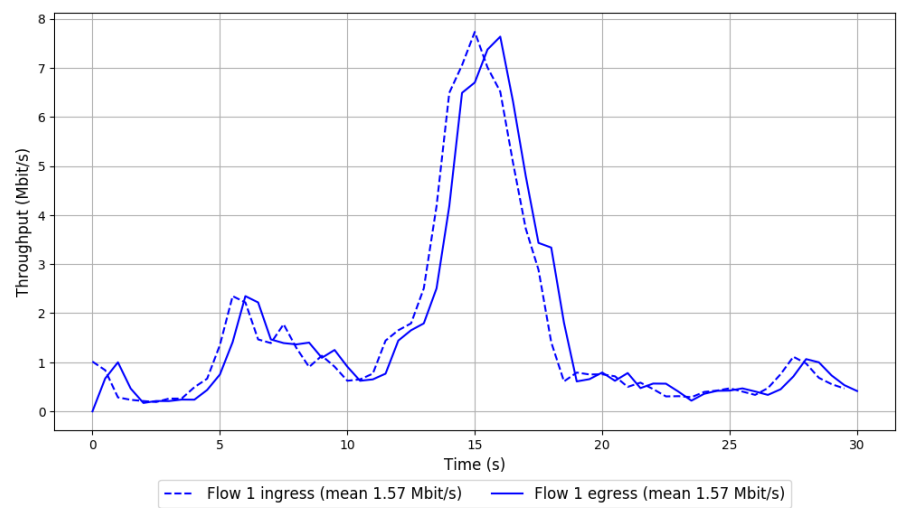
-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 61.905 ms

Loss rate: 0.13%

Run 10: Report of Sprout — Data Link

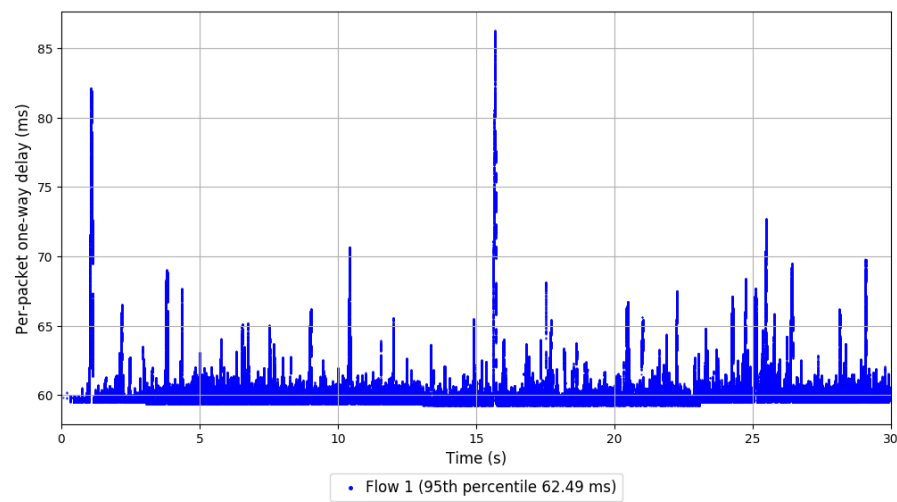
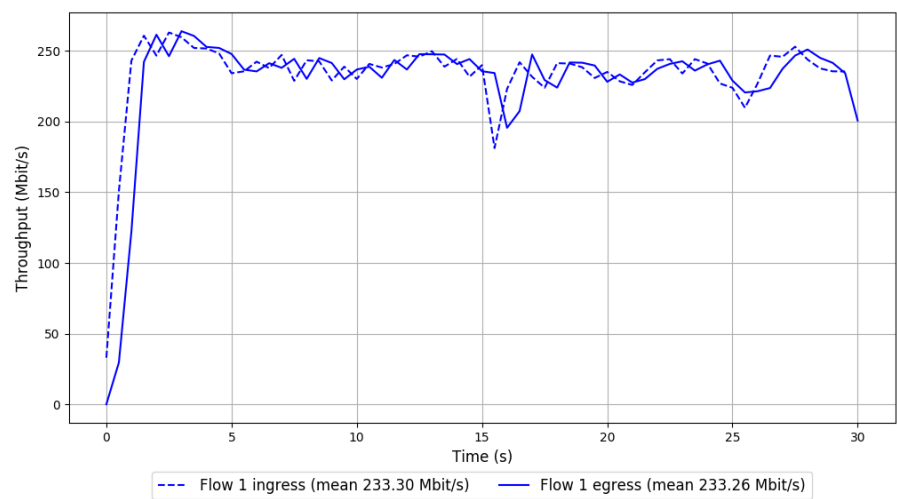


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-11 09:07:36
End at: 2018-07-11 09:08:06
Local clock offset: -0.036 ms
Remote clock offset: 1.431 ms

# Below is generated by plot.py at 2018-07-11 14:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.26 Mbit/s
95th percentile per-packet one-way delay: 62.495 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 233.26 Mbit/s
95th percentile per-packet one-way delay: 62.495 ms
Loss rate: 0.45%
```

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



Run 2: Statistics of TaoVA-100x

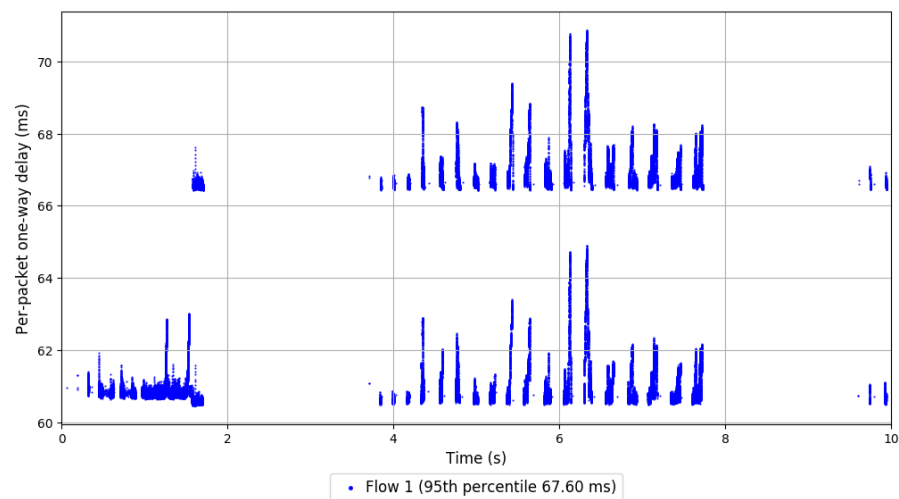
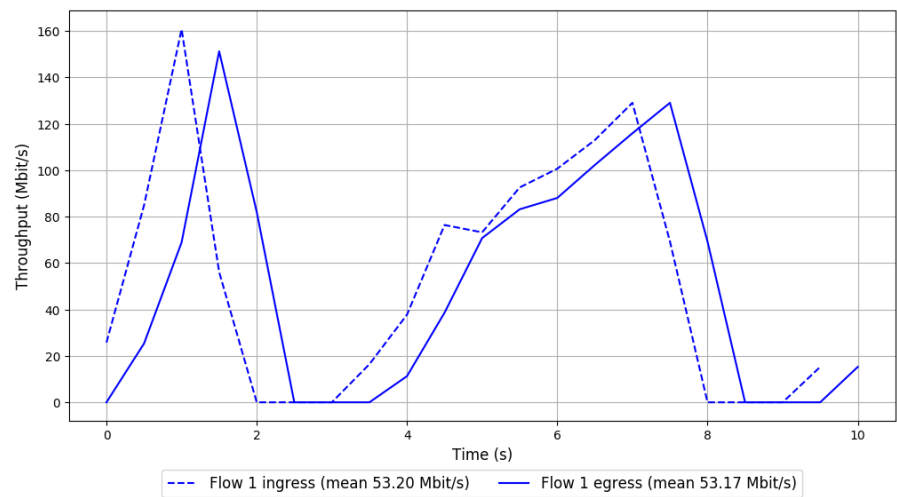
Start at: 2018-07-11 09:29:57

End at: 2018-07-11 09:30:27

Local clock offset: -0.091 ms

Remote clock offset: 0.146 ms

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-11 09:51:44

End at: 2018-07-11 09:52:14

Local clock offset: -0.008 ms

Remote clock offset: 1.229 ms

Below is generated by plot.py at 2018-07-11 14:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.16 Mbit/s

95th percentile per-packet one-way delay: 61.807 ms

Loss rate: 0.46%

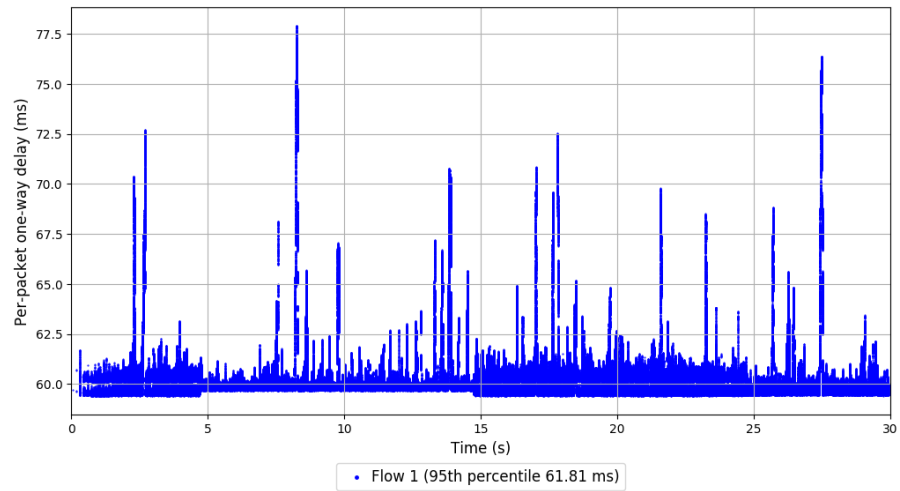
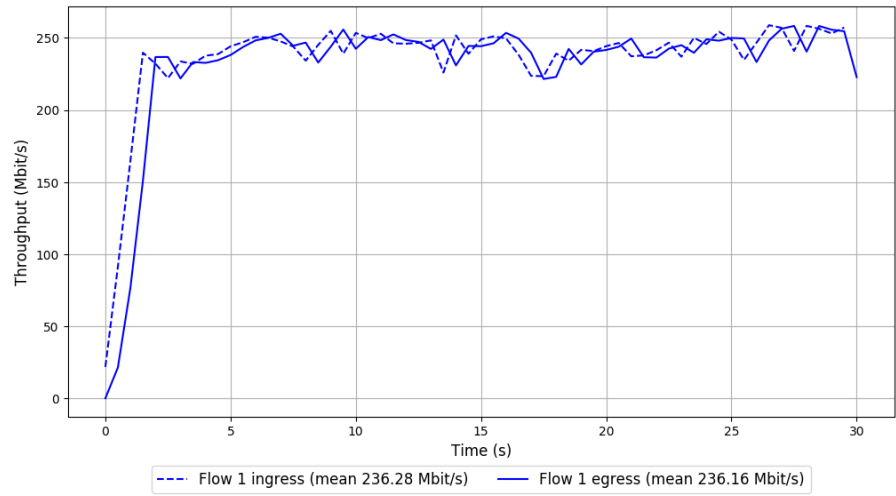
-- Flow 1:

Average throughput: 236.16 Mbit/s

95th percentile per-packet one-way delay: 61.807 ms

Loss rate: 0.46%

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



Run 4: Statistics of TaoVA-100x

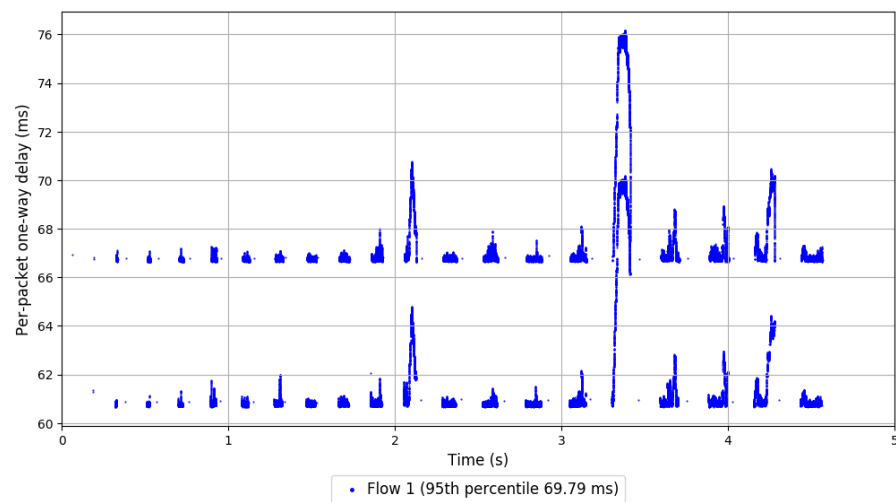
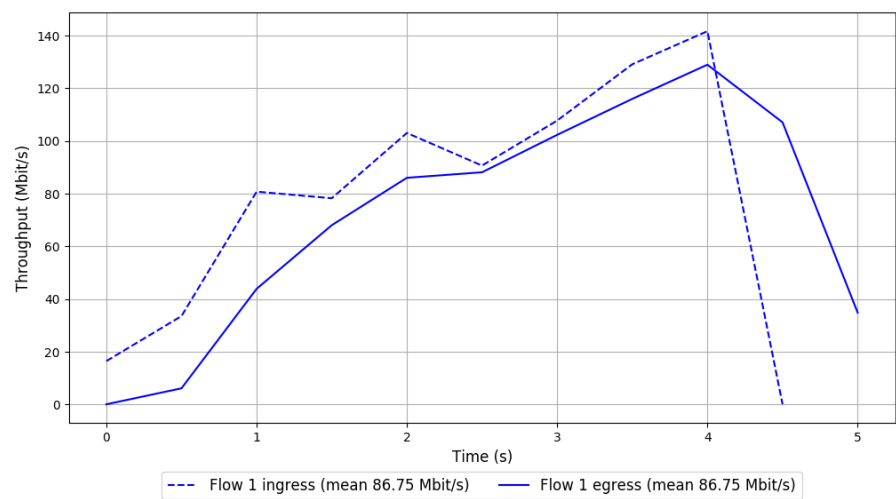
Start at: 2018-07-11 10:13:50

End at: 2018-07-11 10:14:20

Local clock offset: -0.072 ms

Remote clock offset: -0.052 ms

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-11 10:35:48

End at: 2018-07-11 10:36:18

Local clock offset: -0.067 ms

Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-07-11 14:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.20 Mbit/s

95th percentile per-packet one-way delay: 61.900 ms

Loss rate: 0.06%

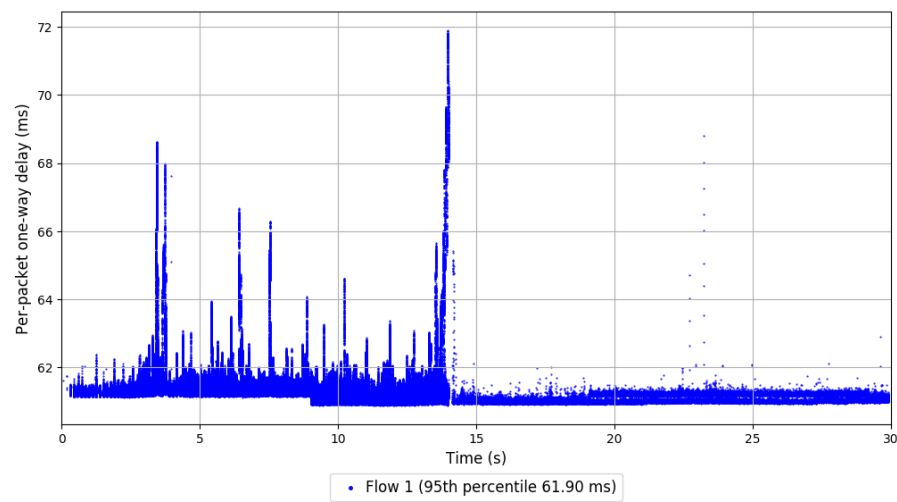
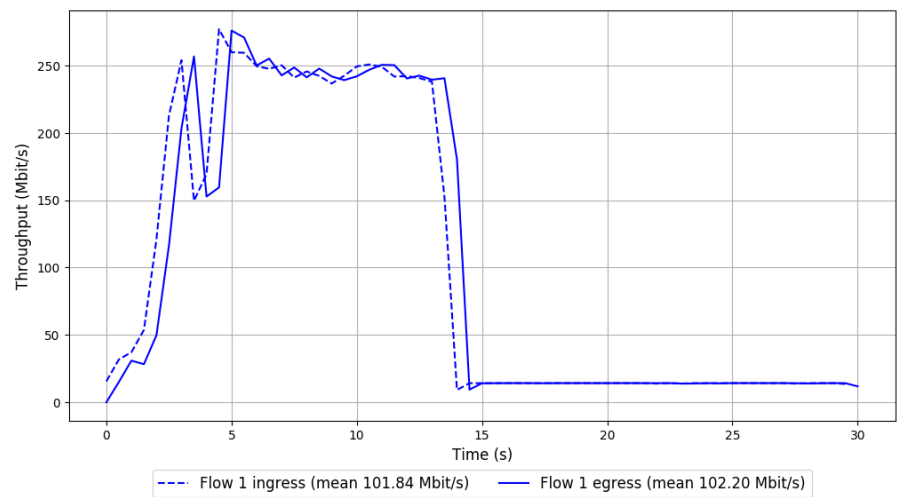
-- Flow 1:

Average throughput: 102.20 Mbit/s

95th percentile per-packet one-way delay: 61.900 ms

Loss rate: 0.06%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-11 10:57:29

End at: 2018-07-11 10:57:59

Local clock offset: -0.045 ms

Remote clock offset: 1.072 ms

Below is generated by plot.py at 2018-07-11 14:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.64 Mbit/s

95th percentile per-packet one-way delay: 60.847 ms

Loss rate: 0.51%

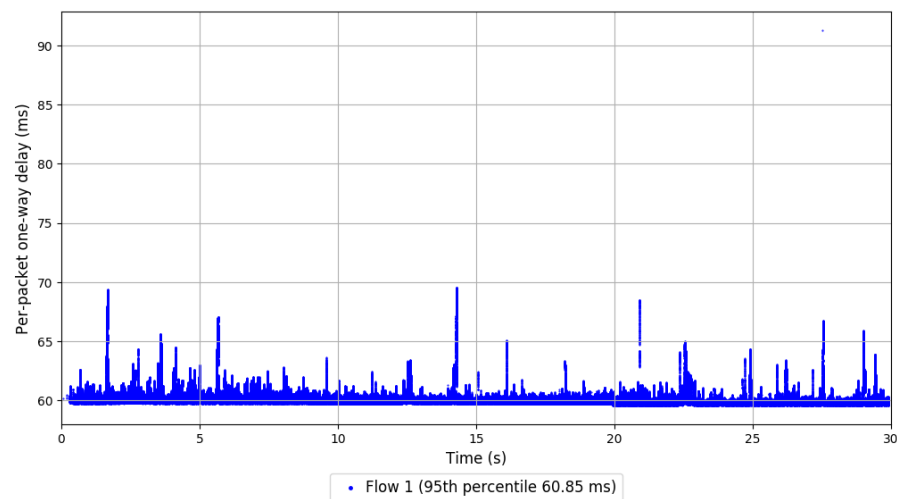
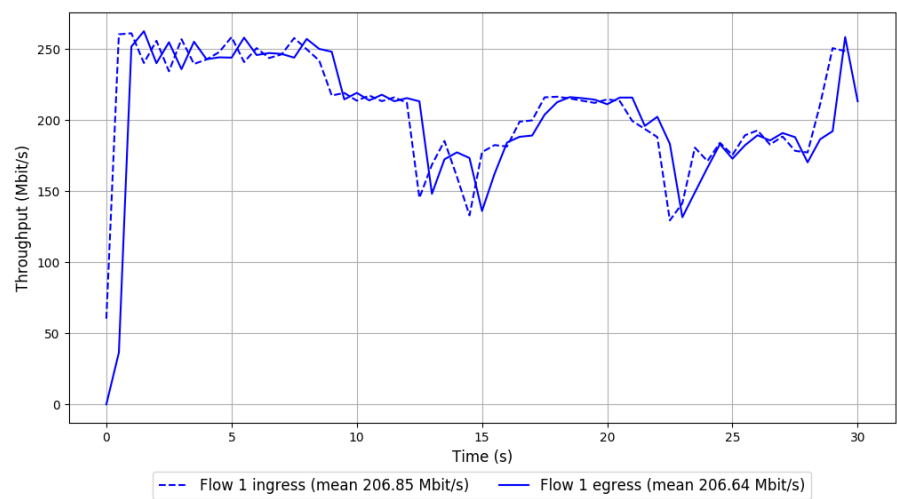
-- Flow 1:

Average throughput: 206.64 Mbit/s

95th percentile per-packet one-way delay: 60.847 ms

Loss rate: 0.51%

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

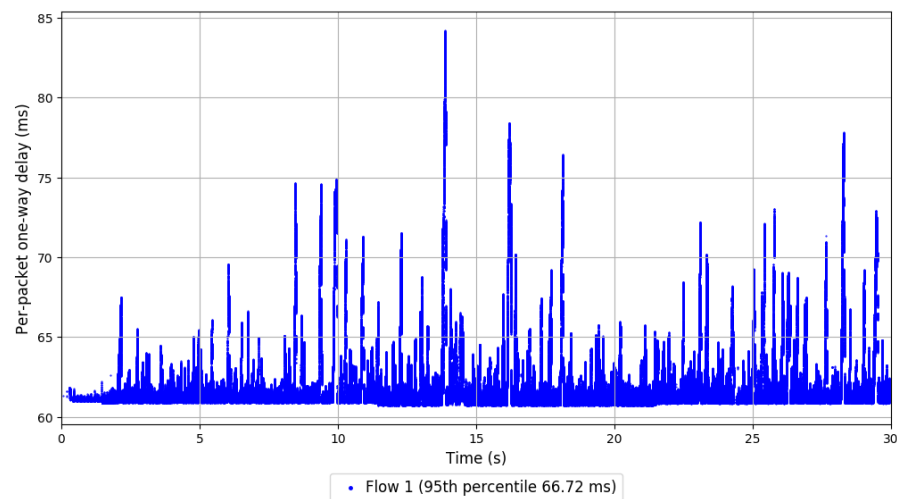
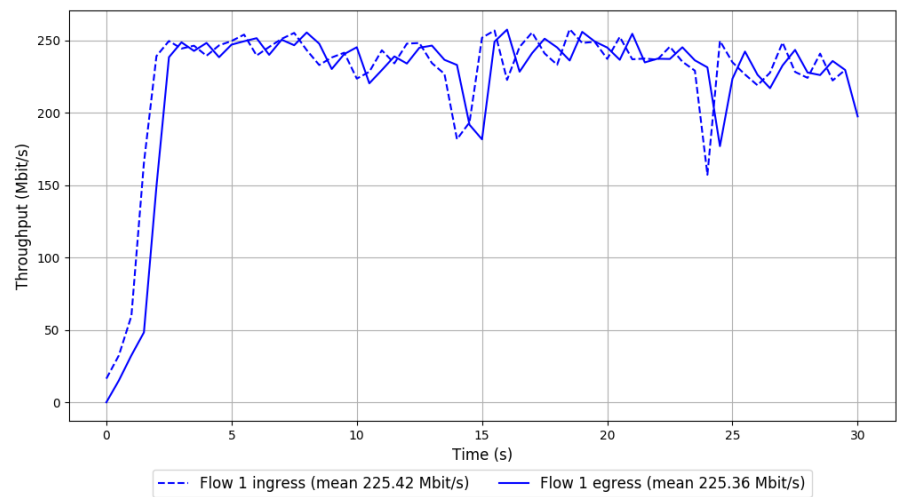


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-11 11:19:48
End at: 2018-07-11 11:20:18
Local clock offset: -0.058 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-07-11 14:17:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.36 Mbit/s
95th percentile per-packet one-way delay: 66.716 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 225.36 Mbit/s
95th percentile per-packet one-way delay: 66.716 ms
Loss rate: 0.43%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-11 11:41:59

End at: 2018-07-11 11:42:29

Local clock offset: -0.063 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-11 14:18:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.18 Mbit/s

95th percentile per-packet one-way delay: 64.300 ms

Loss rate: 0.42%

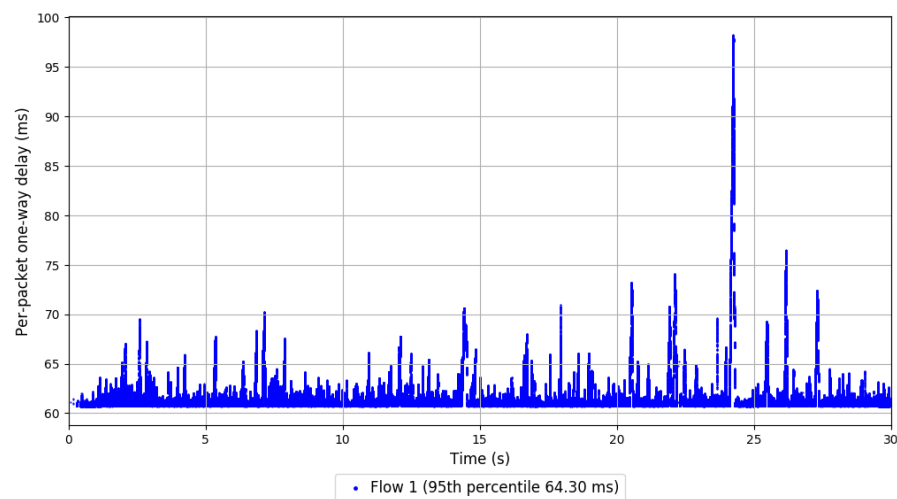
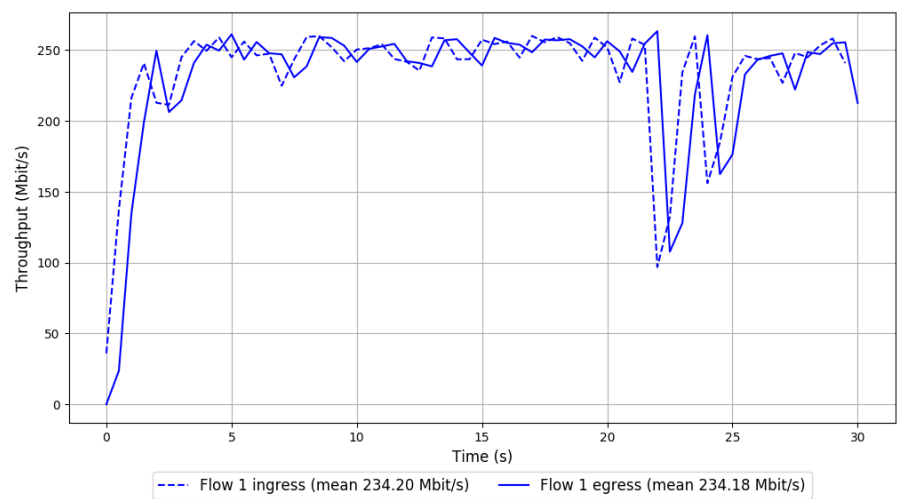
-- Flow 1:

Average throughput: 234.18 Mbit/s

95th percentile per-packet one-way delay: 64.300 ms

Loss rate: 0.42%

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

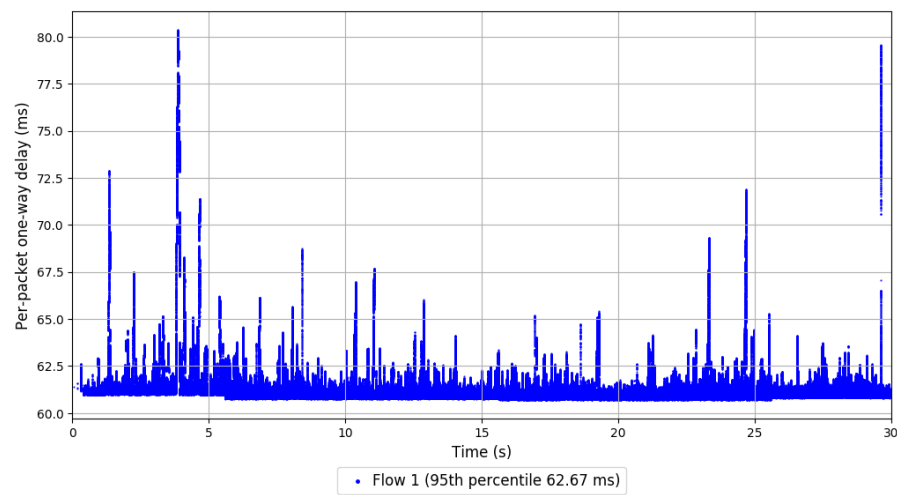
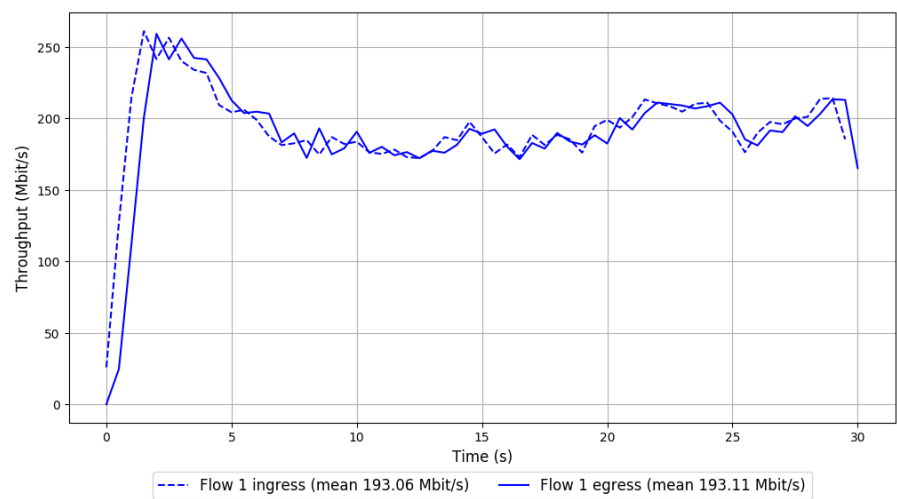


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-11 12:04:13
End at: 2018-07-11 12:04:43
Local clock offset: -0.054 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-07-11 14:18:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.11 Mbit/s
95th percentile per-packet one-way delay: 62.671 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 193.11 Mbit/s
95th percentile per-packet one-way delay: 62.671 ms
Loss rate: 0.40%

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



Run 10: Statistics of TaoVA-100x

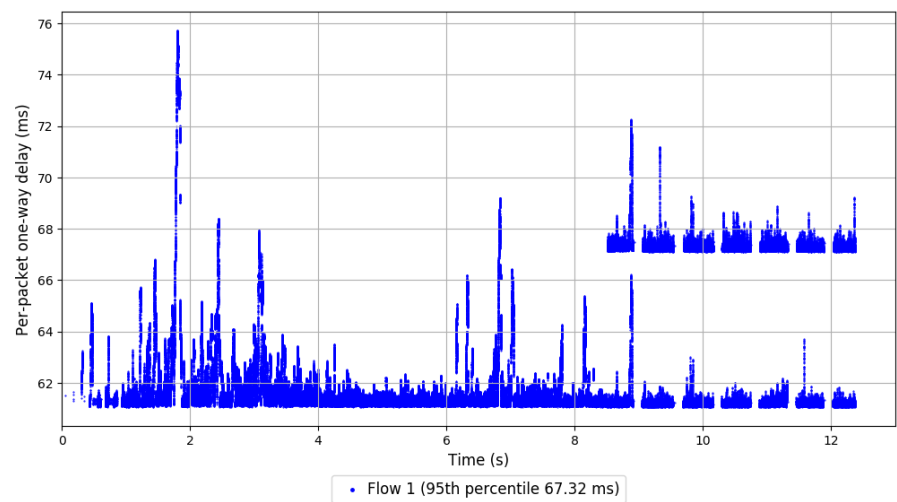
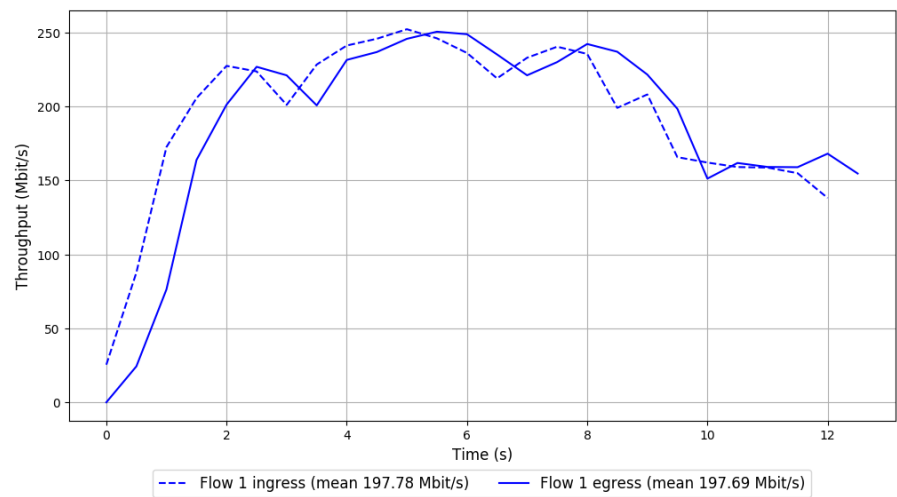
Start at: 2018-07-11 12:26:21

End at: 2018-07-11 12:26:51

Local clock offset: -0.031 ms

Remote clock offset: -0.303 ms

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

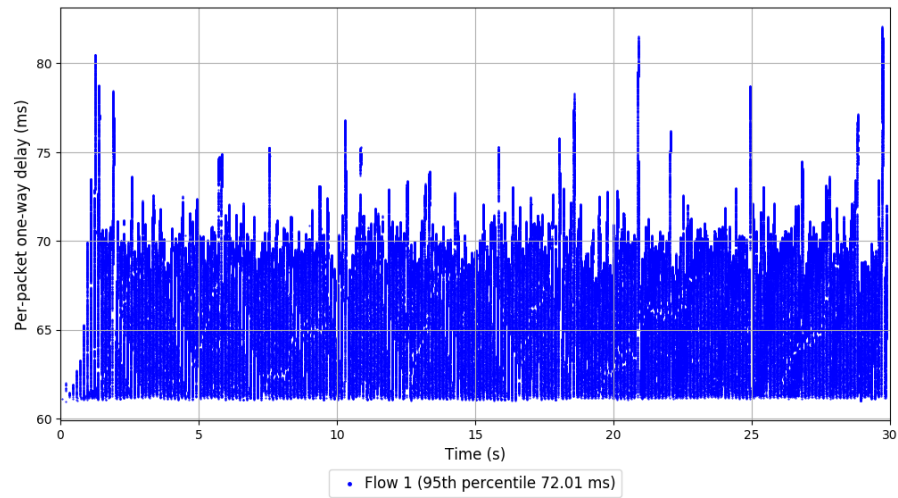
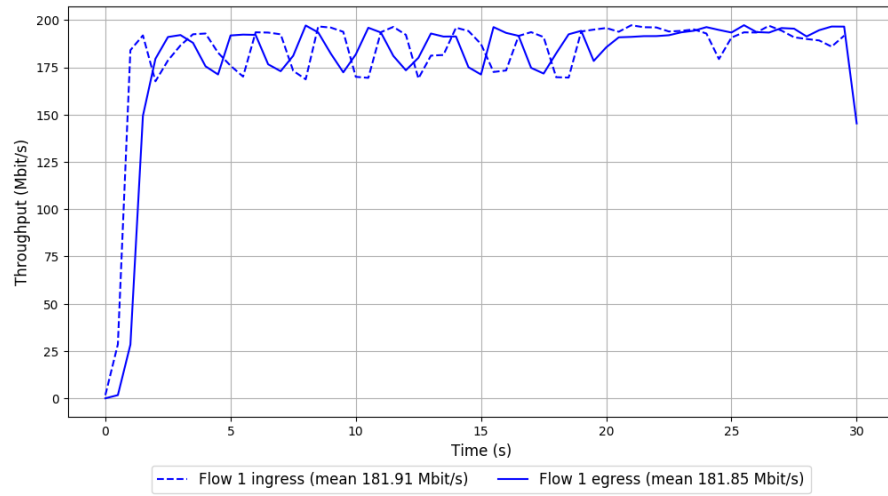


Run 1: Statistics of TCP Vegas

Start at: 2018-07-11 09:19:28
End at: 2018-07-11 09:19:58
Local clock offset: -0.068 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-11 14:18:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.85 Mbit/s
95th percentile per-packet one-way delay: 72.012 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 181.85 Mbit/s
95th percentile per-packet one-way delay: 72.012 ms
Loss rate: 0.43%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-11 09:41:32

End at: 2018-07-11 09:42:02

Local clock offset: -0.097 ms

Remote clock offset: 1.193 ms

Below is generated by plot.py at 2018-07-11 14:18:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.62 Mbit/s

95th percentile per-packet one-way delay: 70.730 ms

Loss rate: 0.39%

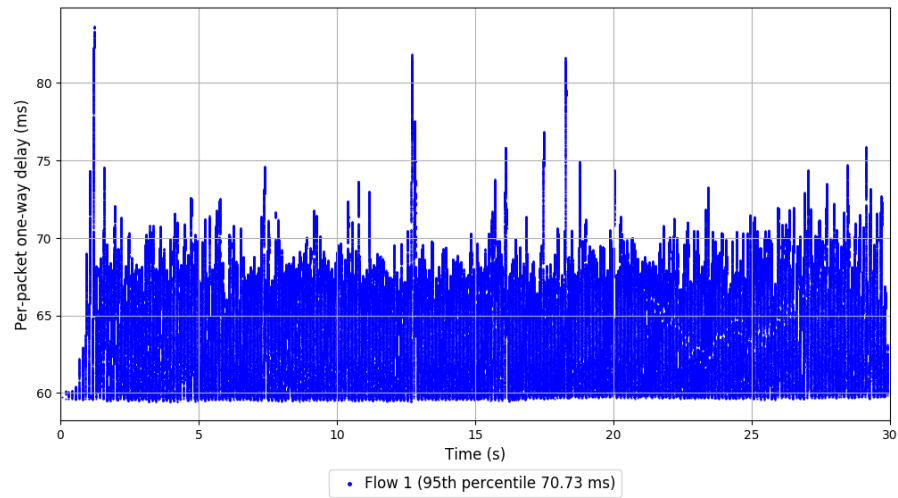
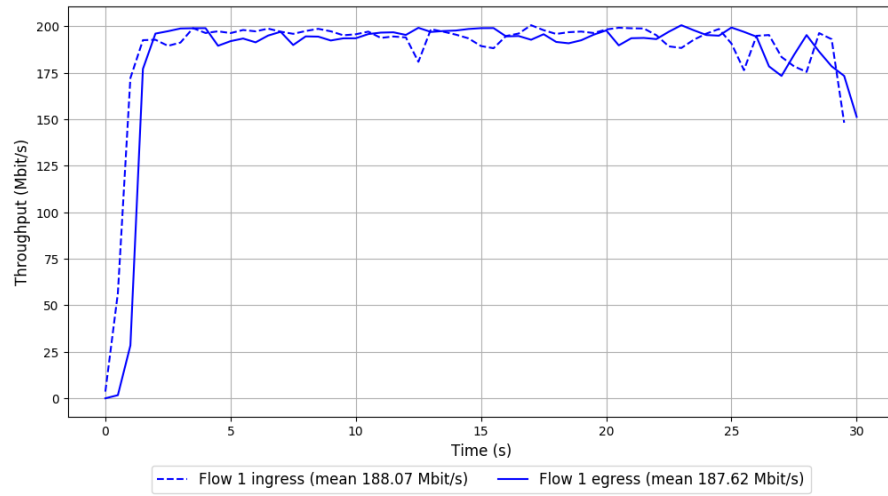
-- Flow 1:

Average throughput: 187.62 Mbit/s

95th percentile per-packet one-way delay: 70.730 ms

Loss rate: 0.39%

Run 2: Report of TCP Vegas — Data Link

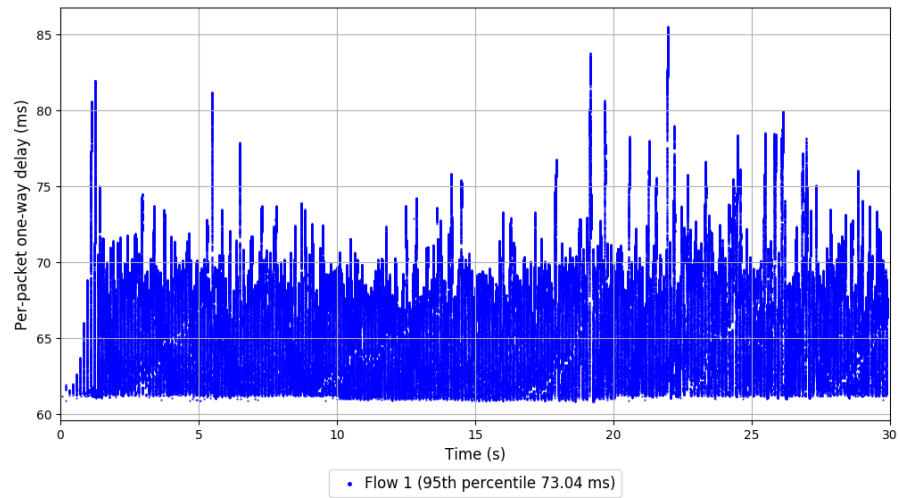
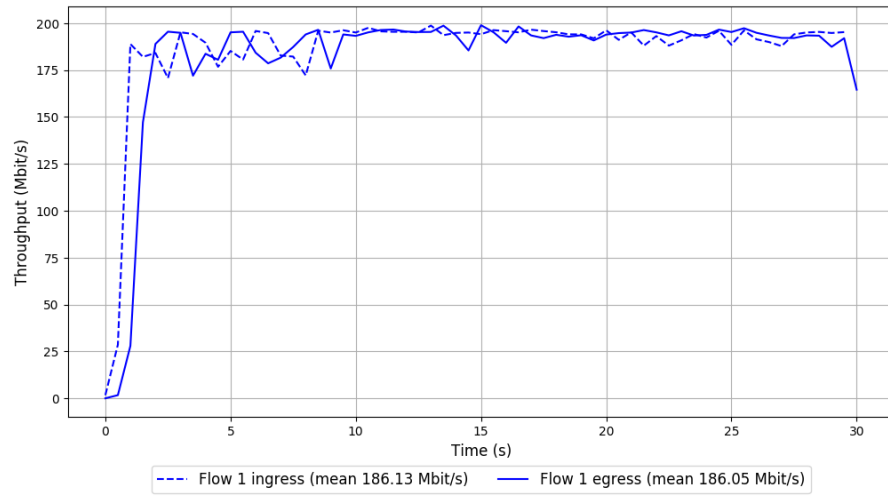


Run 3: Statistics of TCP Vegas

Start at: 2018-07-11 10:03:39
End at: 2018-07-11 10:04:09
Local clock offset: -0.055 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-11 14:20:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.05 Mbit/s
95th percentile per-packet one-way delay: 73.042 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 186.05 Mbit/s
95th percentile per-packet one-way delay: 73.042 ms
Loss rate: 0.43%

Run 3: Report of TCP Vegas — Data Link

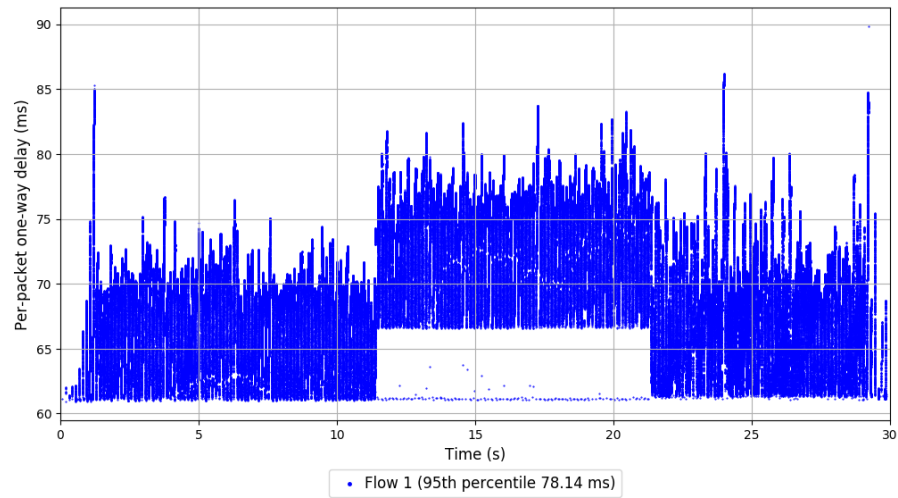
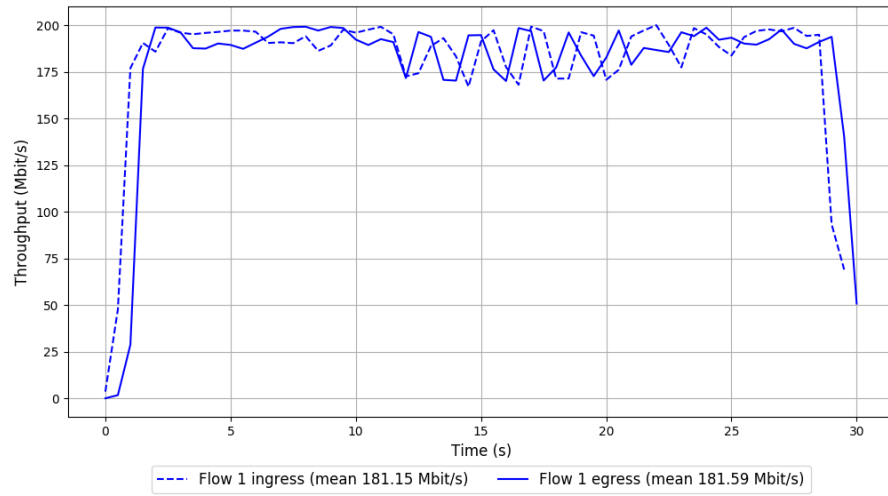


Run 4: Statistics of TCP Vegas

Start at: 2018-07-11 10:25:28
End at: 2018-07-11 10:25:58
Local clock offset: -0.057 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-11 14:20:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.59 Mbit/s
95th percentile per-packet one-way delay: 78.143 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 181.59 Mbit/s
95th percentile per-packet one-way delay: 78.143 ms
Loss rate: 0.17%

Run 4: Report of TCP Vegas — Data Link

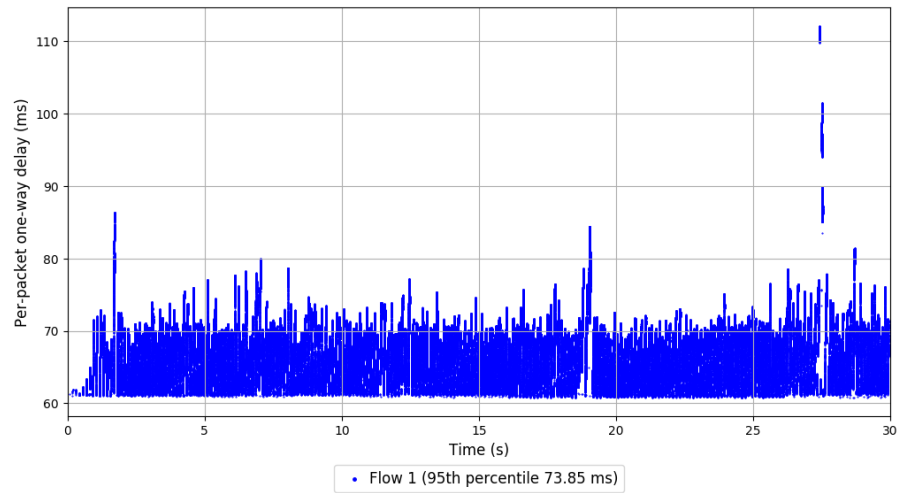
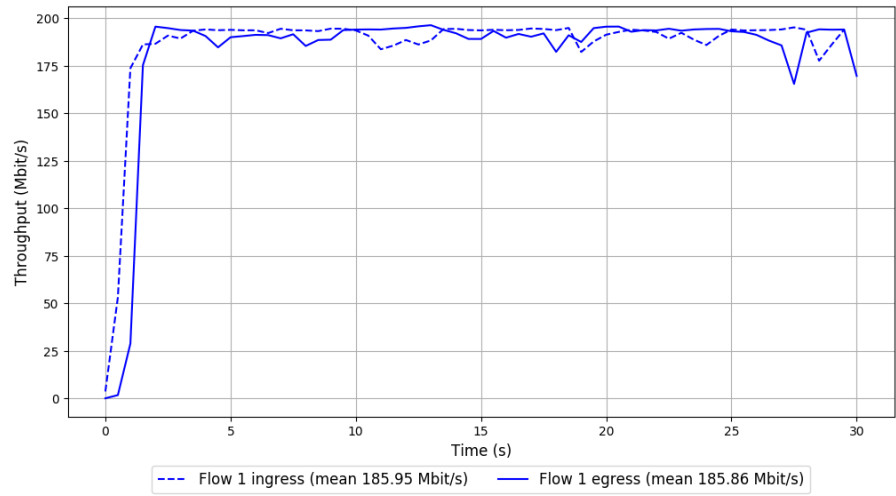


Run 5: Statistics of TCP Vegas

Start at: 2018-07-11 10:47:23
End at: 2018-07-11 10:47:53
Local clock offset: -0.085 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-11 14:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.86 Mbit/s
95th percentile per-packet one-way delay: 73.849 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 185.86 Mbit/s
95th percentile per-packet one-way delay: 73.849 ms
Loss rate: 0.43%

Run 5: Report of TCP Vegas — Data Link

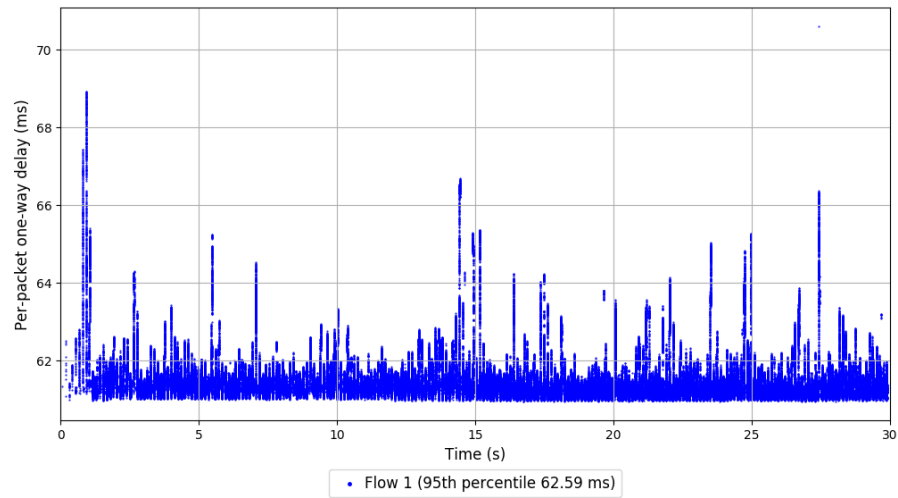
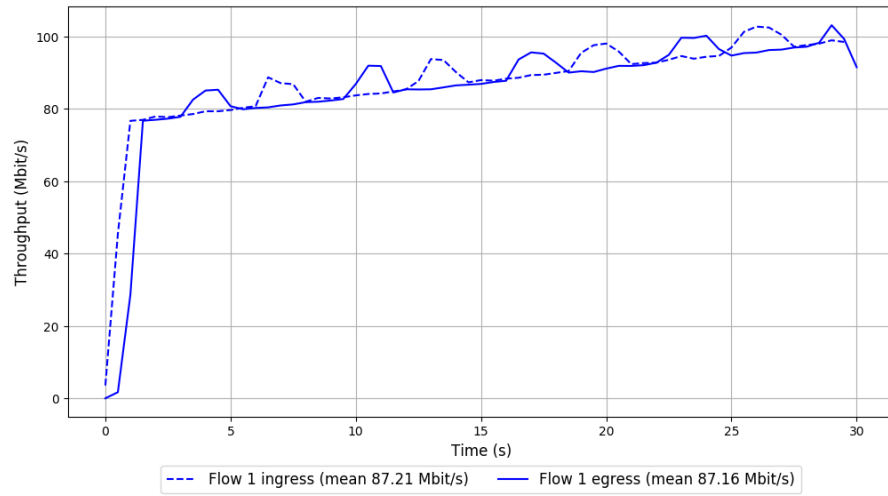


Run 6: Statistics of TCP Vegas

Start at: 2018-07-11 11:09:17
End at: 2018-07-11 11:09:47
Local clock offset: -0.05 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-11 14:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.16 Mbit/s
95th percentile per-packet one-way delay: 62.594 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 87.16 Mbit/s
95th percentile per-packet one-way delay: 62.594 ms
Loss rate: 0.47%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-11 11:31:34

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

Local clock offset: -0.045 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-07-11 14:20:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.61 Mbit/s

95th percentile per-packet one-way delay: 71.804 ms

Loss rate: 0.47%

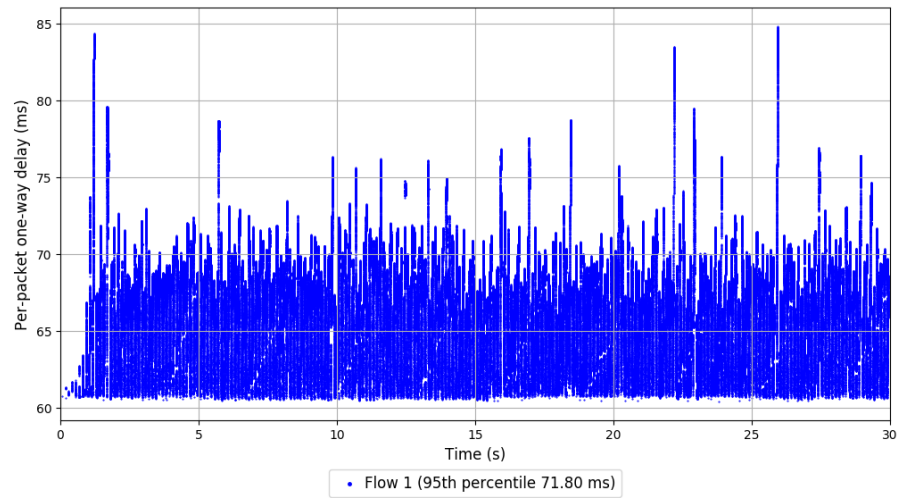
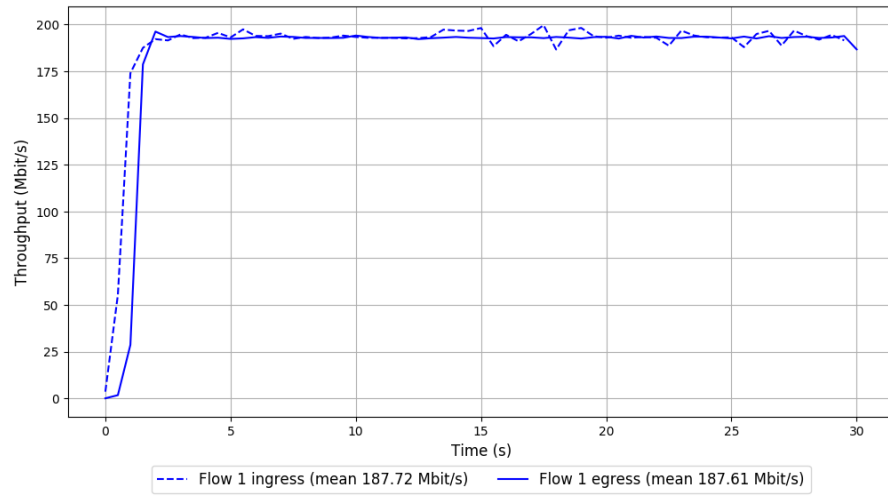
-- Flow 1:

Average throughput: 187.61 Mbit/s

95th percentile per-packet one-way delay: 71.804 ms

Loss rate: 0.47%

Run 7: Report of TCP Vegas — Data Link

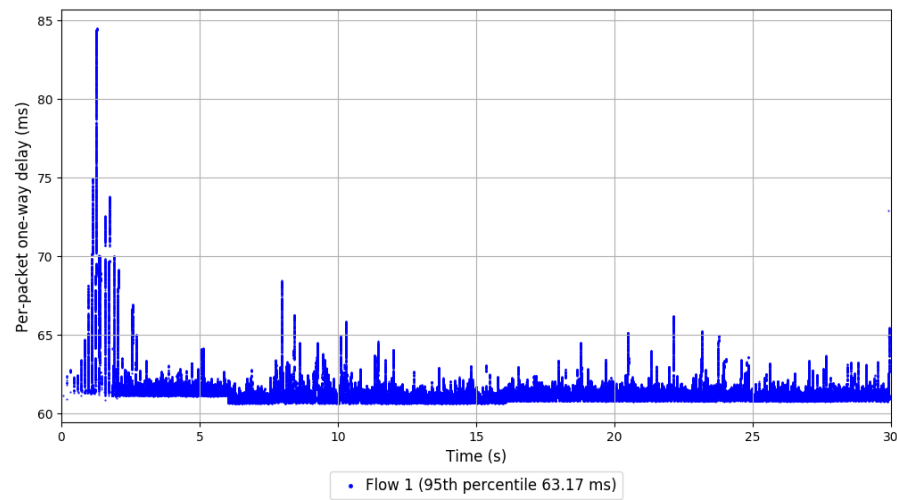
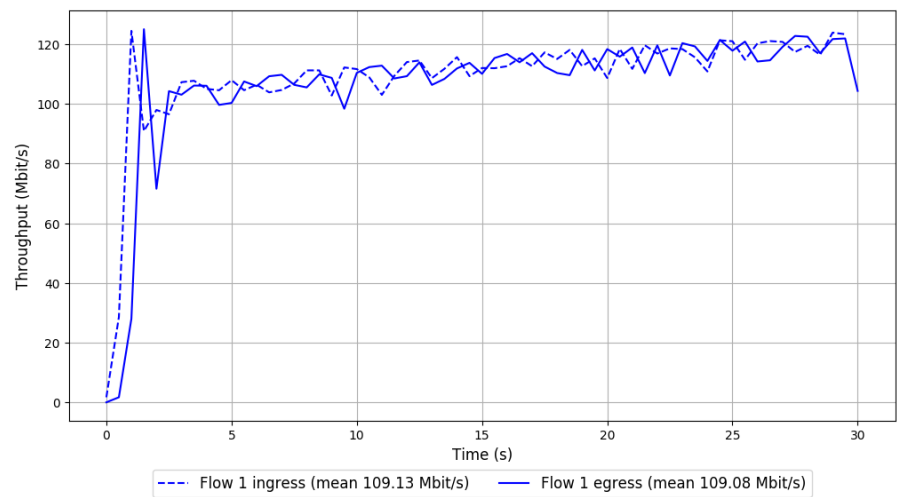


Run 8: Statistics of TCP Vegas

Start at: 2018-07-11 11:53:53
End at: 2018-07-11 11:54:23
Local clock offset: -0.027 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-11 14:20:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.08 Mbit/s
95th percentile per-packet one-way delay: 63.173 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 109.08 Mbit/s
95th percentile per-packet one-way delay: 63.173 ms
Loss rate: 0.46%

Run 8: Report of TCP Vegas — Data Link

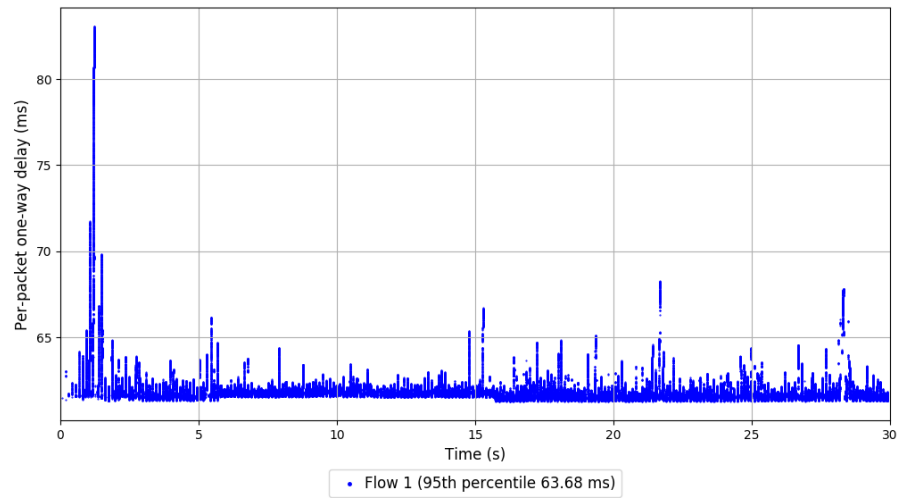
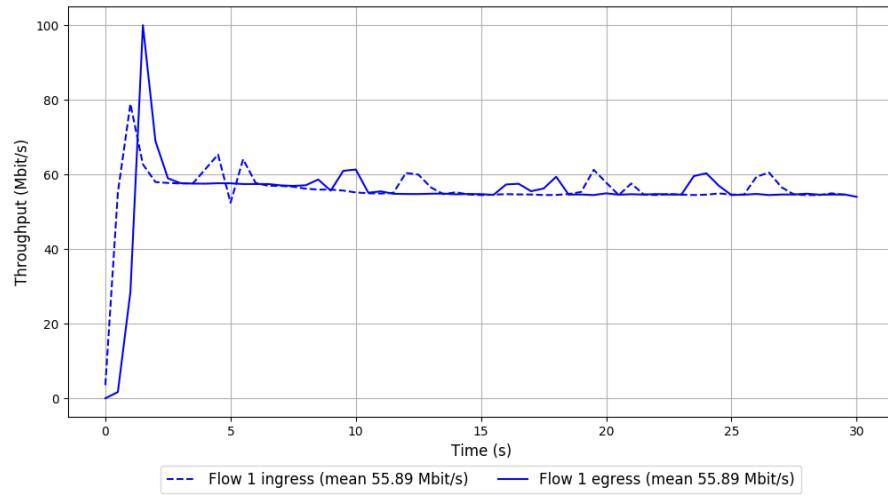


Run 9: Statistics of TCP Vegas

Start at: 2018-07-11 12:16:03
End at: 2018-07-11 12:16:33
Local clock offset: -0.054 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-07-11 14:20:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 63.679 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 63.679 ms
Loss rate: 0.41%

Run 9: Report of TCP Vegas — Data Link

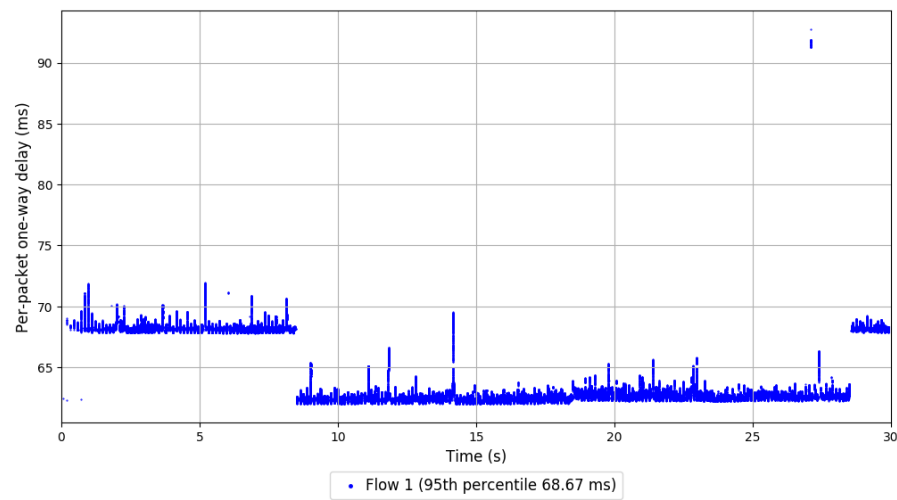
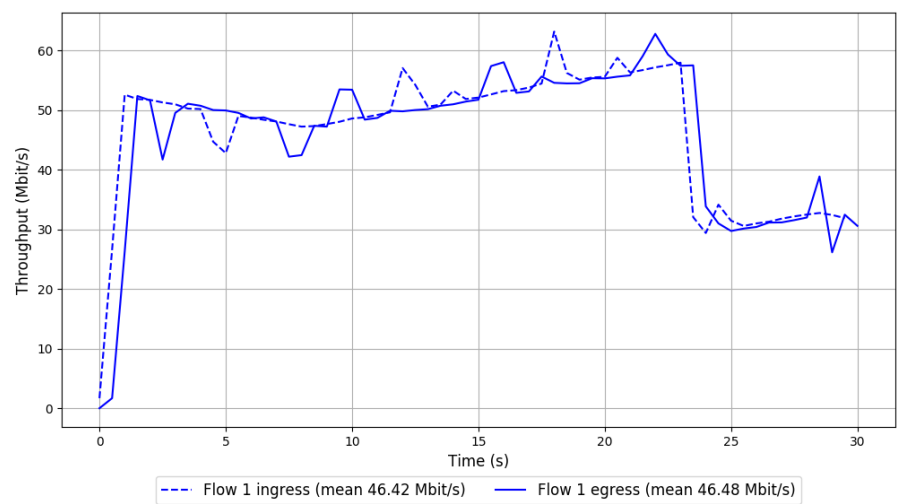


Run 10: Statistics of TCP Vegas

Start at: 2018-07-11 12:38:01
End at: 2018-07-11 12:38:31
Local clock offset: -0.063 ms
Remote clock offset: -1.448 ms

Below is generated by plot.py at 2018-07-11 14:20:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 68.671 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 68.671 ms
Loss rate: 0.29%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-11 09:10:09

End at: 2018-07-11 09:10:39

Local clock offset: -0.086 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-11 14:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.01 Mbit/s

95th percentile per-packet one-way delay: 105.027 ms

Loss rate: 2.33%

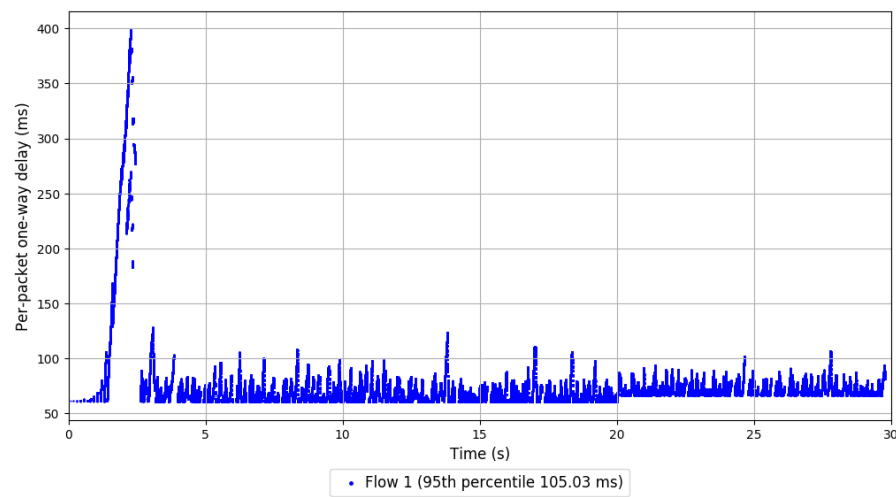
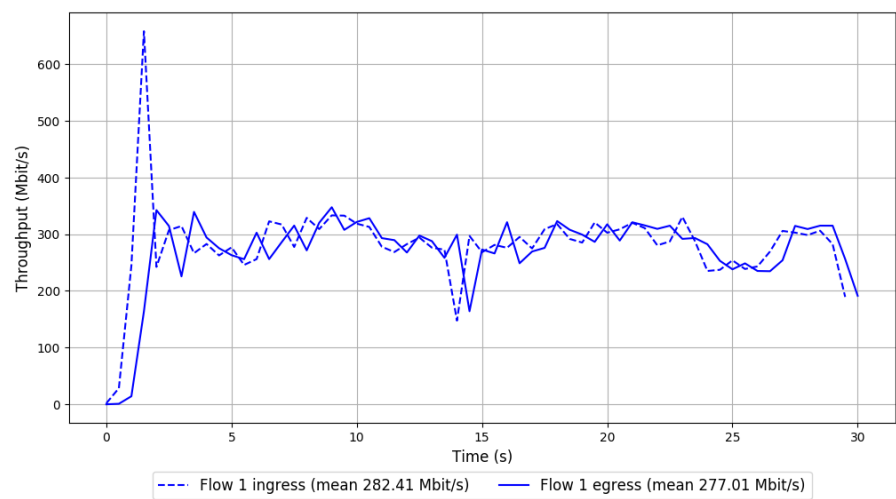
-- Flow 1:

Average throughput: 277.01 Mbit/s

95th percentile per-packet one-way delay: 105.027 ms

Loss rate: 2.33%

Run 1: Report of Verus — Data Link

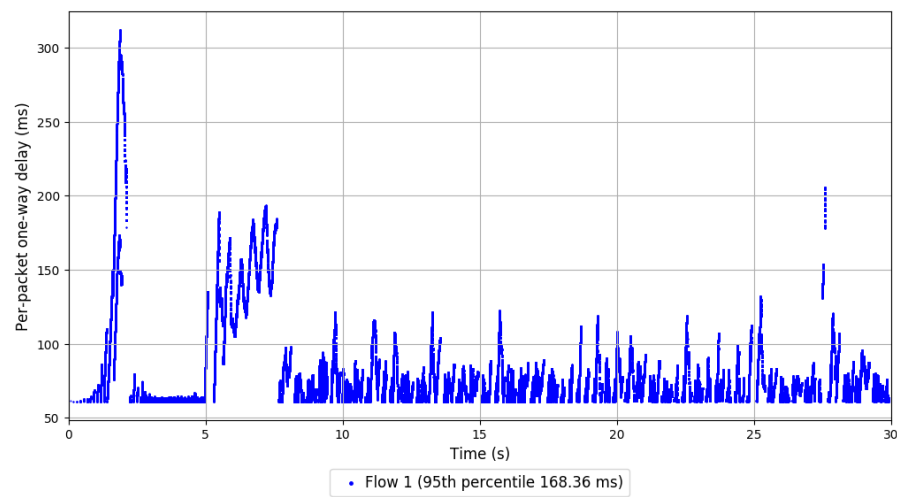
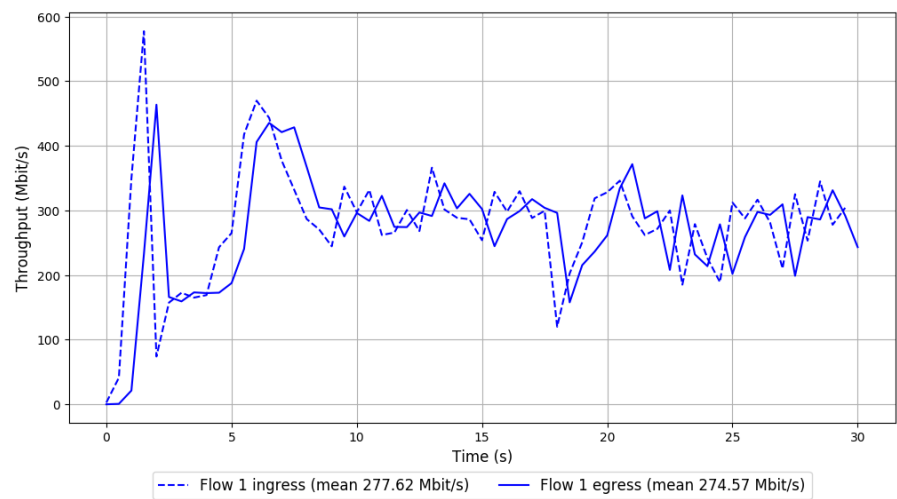


Run 2: Statistics of Verus

Start at: 2018-07-11 09:32:10
End at: 2018-07-11 09:32:40
Local clock offset: -0.114 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-11 14:24:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.57 Mbit/s
95th percentile per-packet one-way delay: 168.358 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 274.57 Mbit/s
95th percentile per-packet one-way delay: 168.358 ms
Loss rate: 1.50%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-11 09:54:17

End at: 2018-07-11 09:54:47

Local clock offset: -0.066 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-07-11 14:24:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.96 Mbit/s

95th percentile per-packet one-way delay: 103.496 ms

Loss rate: 1.66%

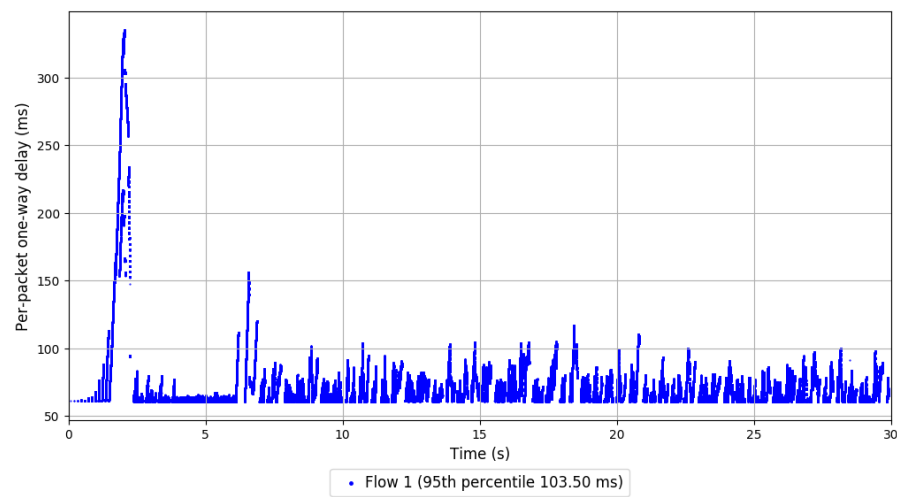
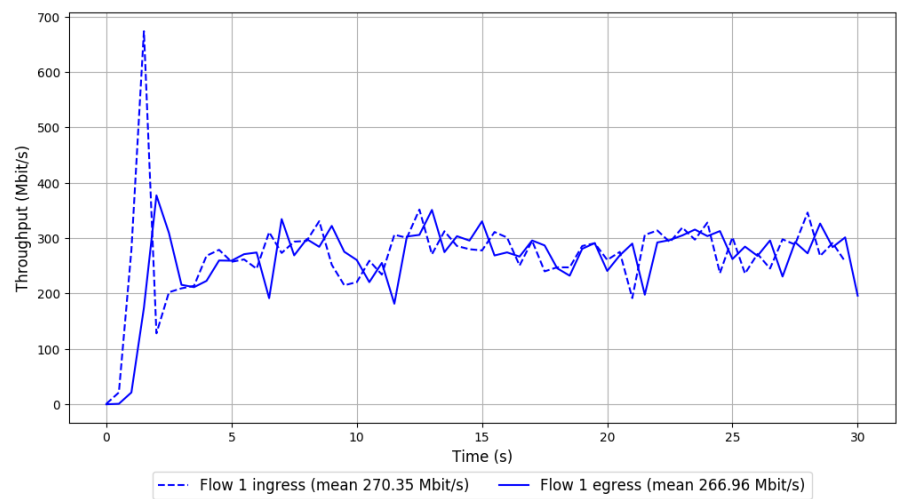
-- Flow 1:

Average throughput: 266.96 Mbit/s

95th percentile per-packet one-way delay: 103.496 ms

Loss rate: 1.66%

Run 3: Report of Verus — Data Link

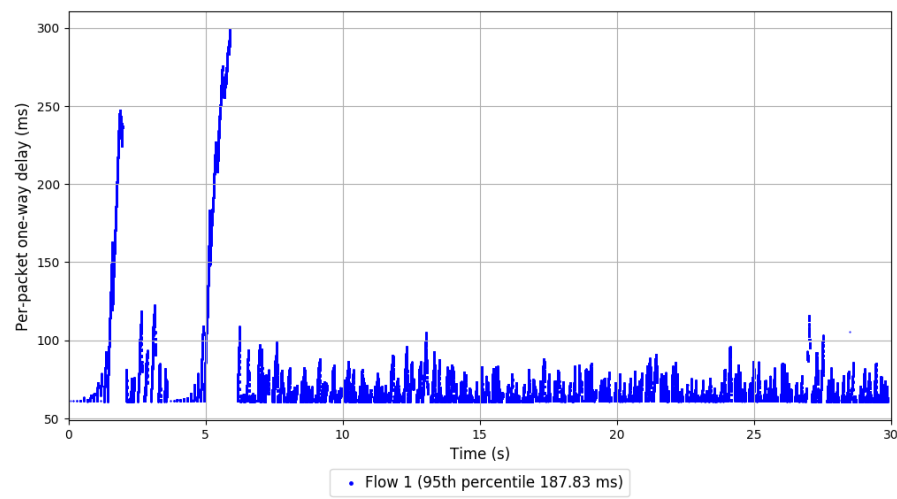
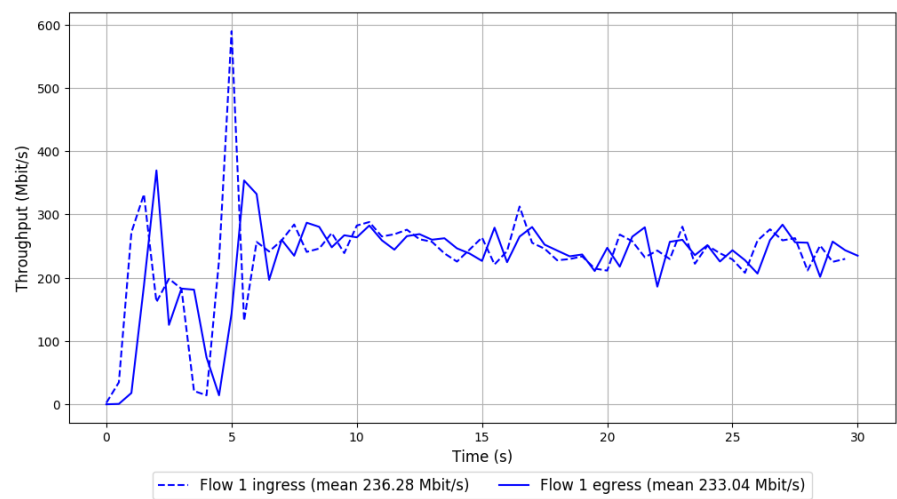


Run 4: Statistics of Verus

Start at: 2018-07-11 10:16:02
End at: 2018-07-11 10:16:32
Local clock offset: -0.018 ms
Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-07-11 14:24:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.04 Mbit/s
95th percentile per-packet one-way delay: 187.829 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 233.04 Mbit/s
95th percentile per-packet one-way delay: 187.829 ms
Loss rate: 1.48%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-11 10:38:09

End at: 2018-07-11 10:38:39

Local clock offset: -0.057 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-11 14:24:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.71 Mbit/s

95th percentile per-packet one-way delay: 178.319 ms

Loss rate: 2.02%

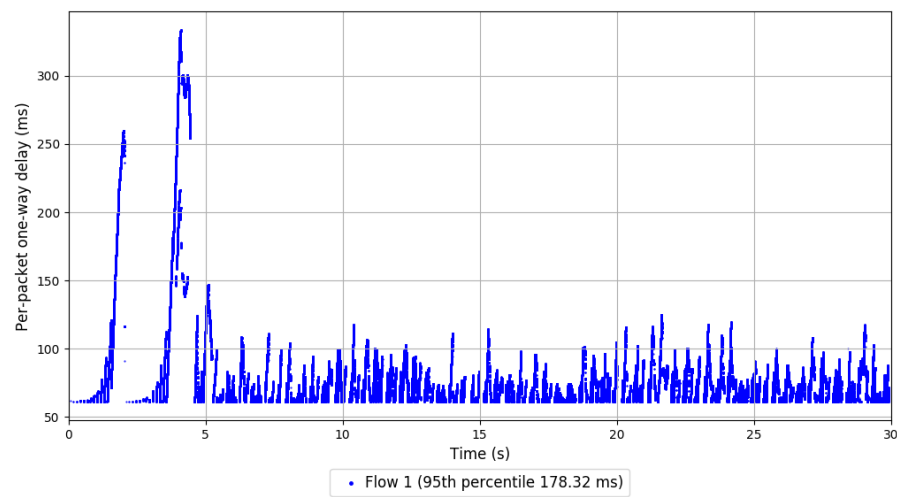
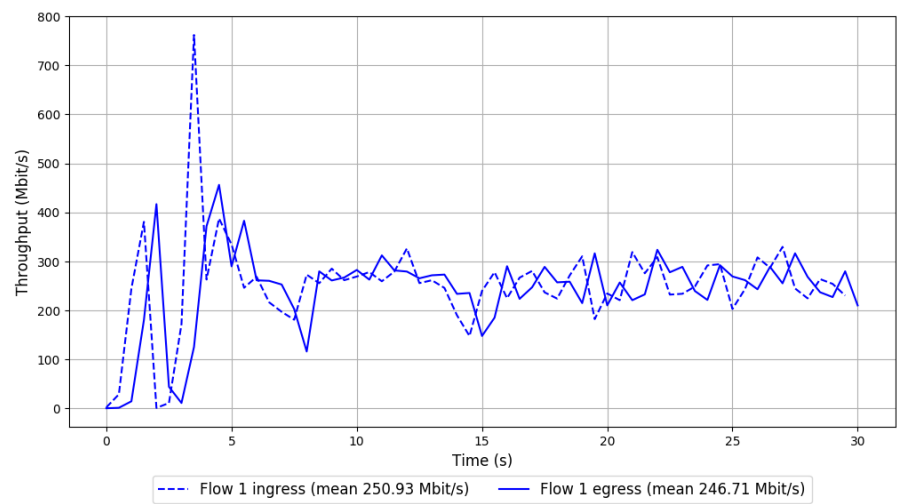
-- Flow 1:

Average throughput: 246.71 Mbit/s

95th percentile per-packet one-way delay: 178.319 ms

Loss rate: 2.02%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

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

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

Local clock offset: -0.072 ms

Remote clock offset: 0.876 ms

Below is generated by plot.py at 2018-07-11 14:24:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.09 Mbit/s

95th percentile per-packet one-way delay: 287.412 ms

Loss rate: 10.56%

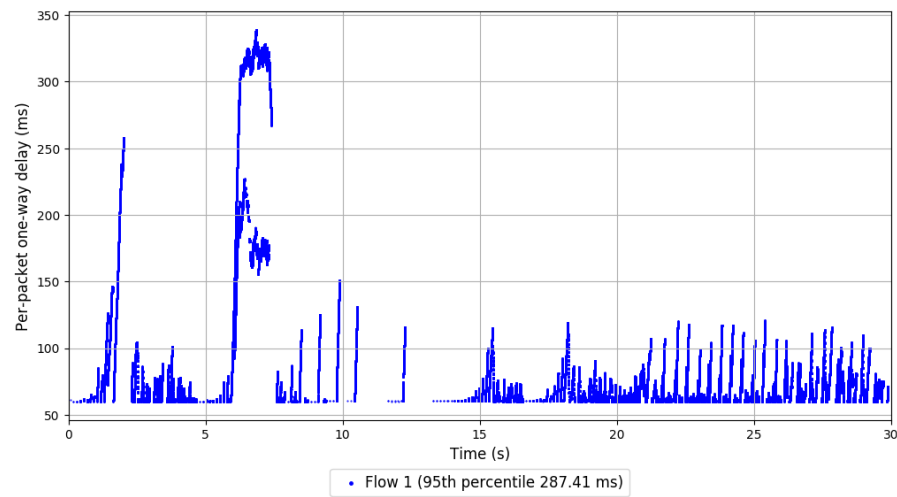
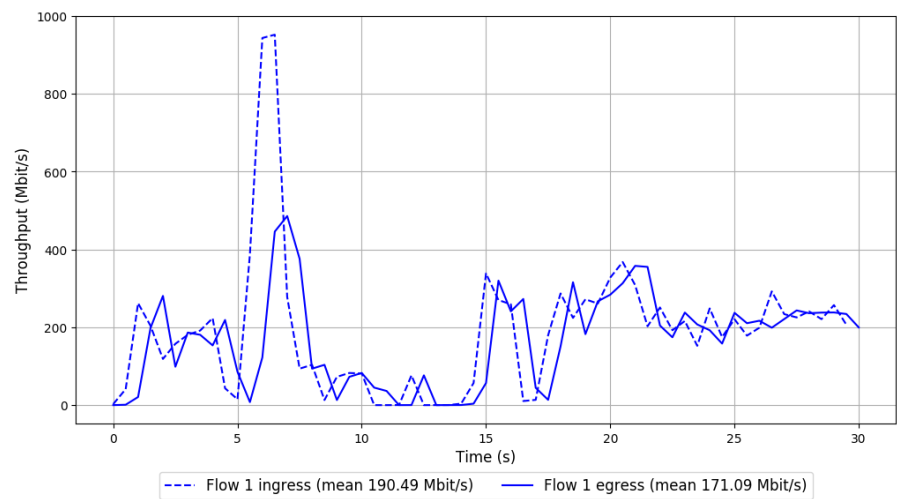
-- Flow 1:

Average throughput: 171.09 Mbit/s

95th percentile per-packet one-way delay: 287.412 ms

Loss rate: 10.56%

Run 6: Report of Verus — Data Link

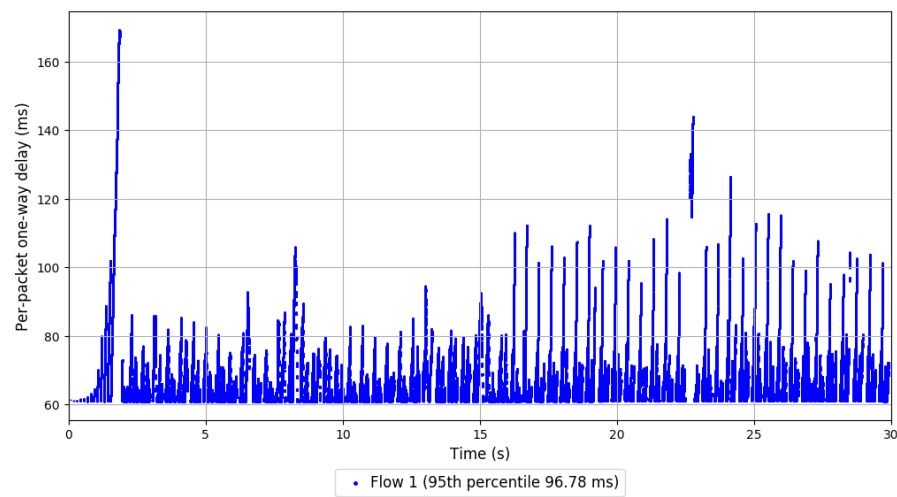
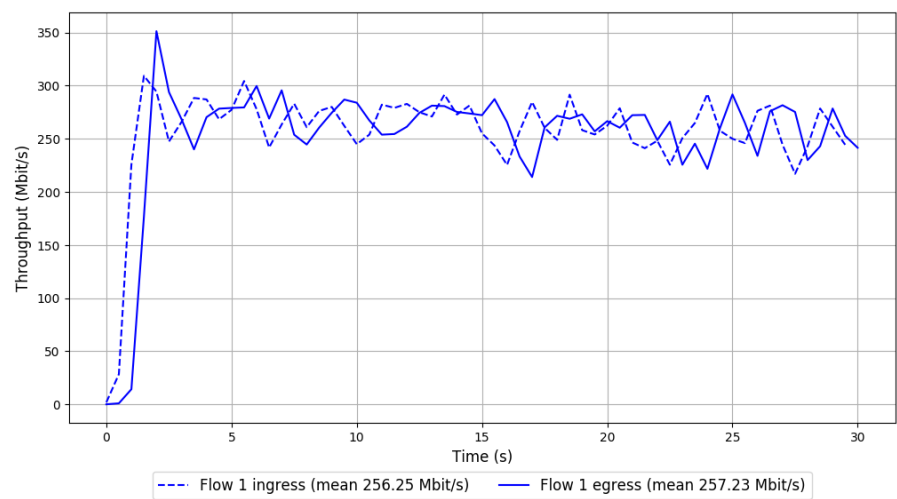


Run 7: Statistics of Verus

Start at: 2018-07-11 11:22:20
End at: 2018-07-11 11:22:50
Local clock offset: -0.104 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-11 14:25:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.23 Mbit/s
95th percentile per-packet one-way delay: 96.783 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 257.23 Mbit/s
95th percentile per-packet one-way delay: 96.783 ms
Loss rate: 0.07%

Run 7: Report of Verus — Data Link

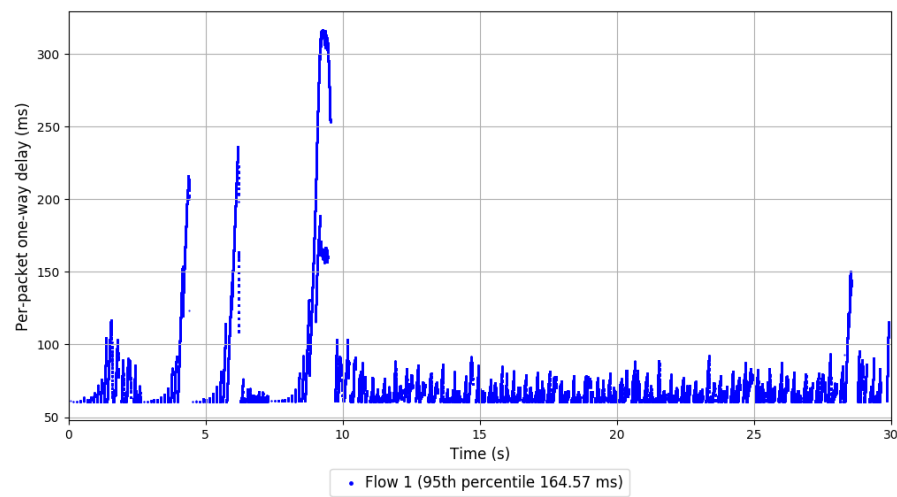
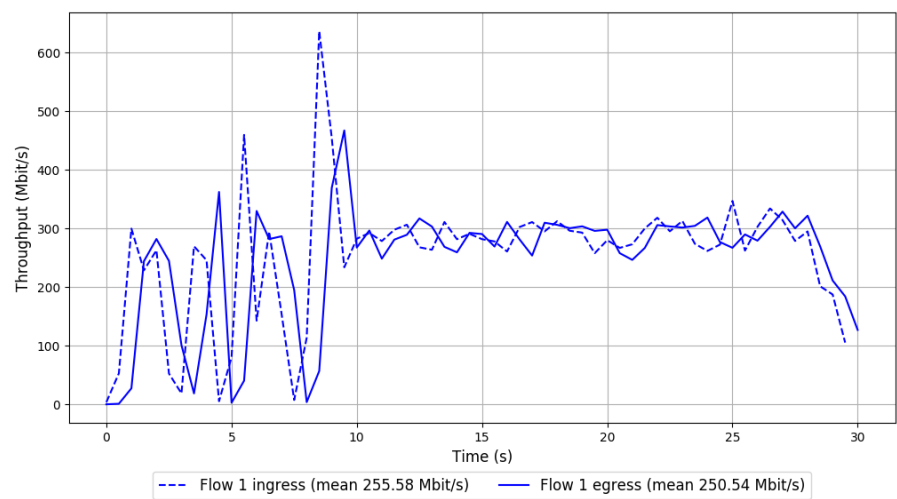


Run 8: Statistics of Verus

Start at: 2018-07-11 11:44:32
End at: 2018-07-11 11:45:02
Local clock offset: -0.055 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-11 14:25:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.54 Mbit/s
95th percentile per-packet one-way delay: 164.571 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 250.54 Mbit/s
95th percentile per-packet one-way delay: 164.571 ms
Loss rate: 1.87%

Run 8: Report of Verus — Data Link

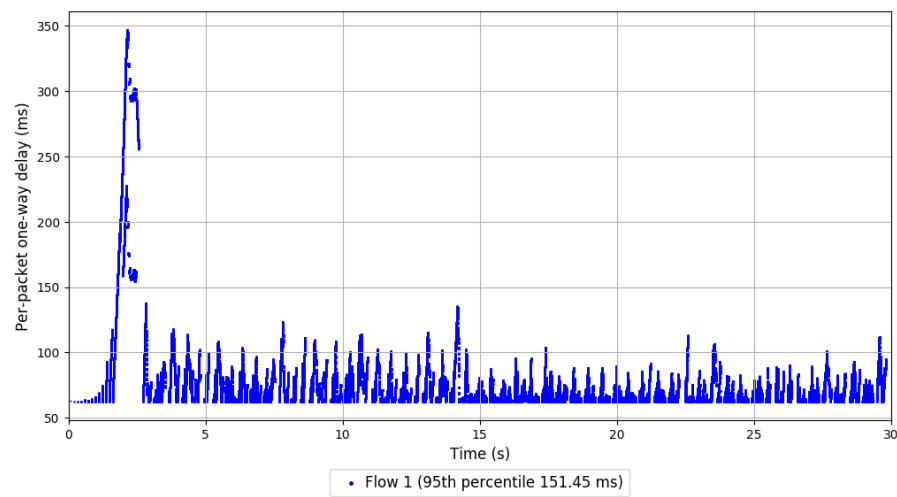
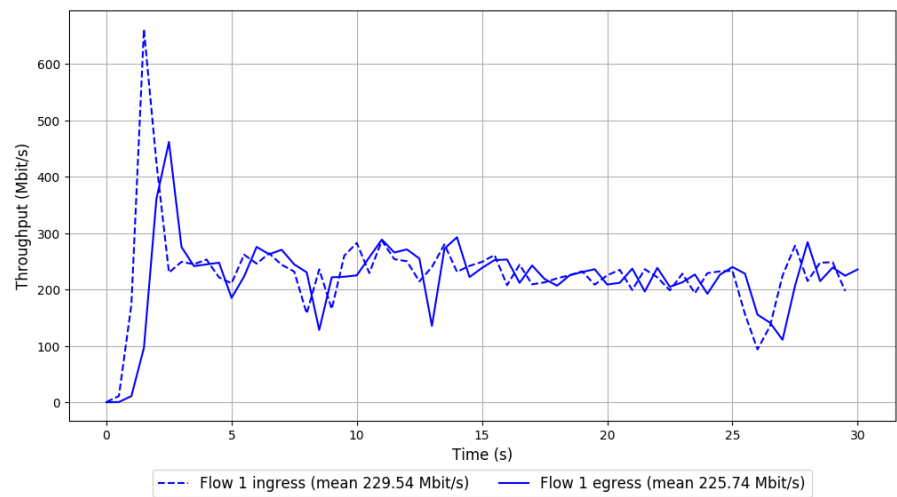


Run 9: Statistics of Verus

Start at: 2018-07-11 12:06:44
End at: 2018-07-11 12:07:14
Local clock offset: -0.007 ms
Remote clock offset: -1.463 ms

Below is generated by plot.py at 2018-07-11 14:27:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.74 Mbit/s
95th percentile per-packet one-way delay: 151.452 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 225.74 Mbit/s
95th percentile per-packet one-way delay: 151.452 ms
Loss rate: 2.28%

Run 9: Report of Verus — Data Link

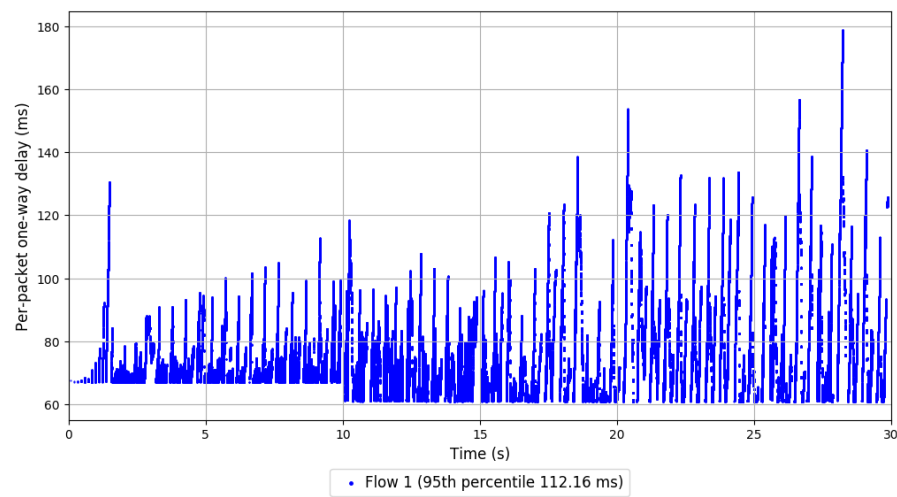
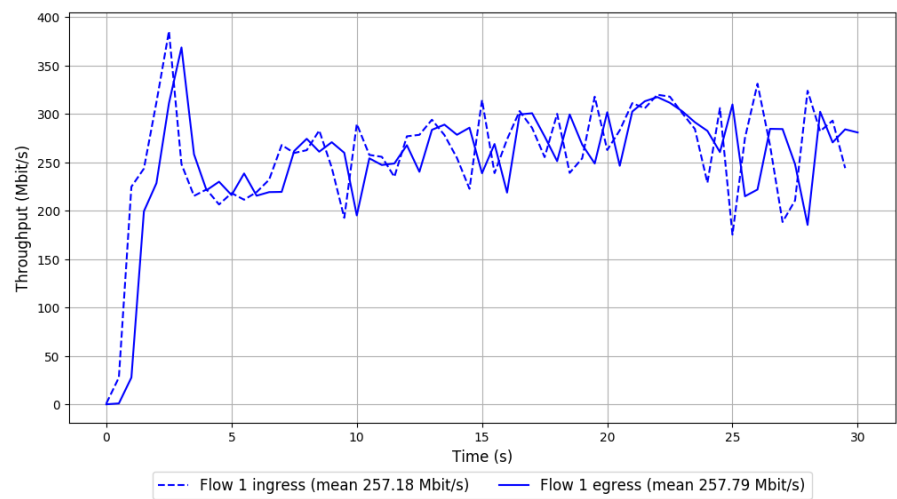


Run 10: Statistics of Verus

Start at: 2018-07-11 12:28:39
End at: 2018-07-11 12:29:09
Local clock offset: -0.05 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-11 14:28:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.79 Mbit/s
95th percentile per-packet one-way delay: 112.158 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 257.79 Mbit/s
95th percentile per-packet one-way delay: 112.158 ms
Loss rate: 0.35%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-11 09:01:01

End at: 2018-07-11 09:01:31

Local clock offset: -0.052 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-07-11 14:30:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.75 Mbit/s

95th percentile per-packet one-way delay: 71.164 ms

Loss rate: 1.02%

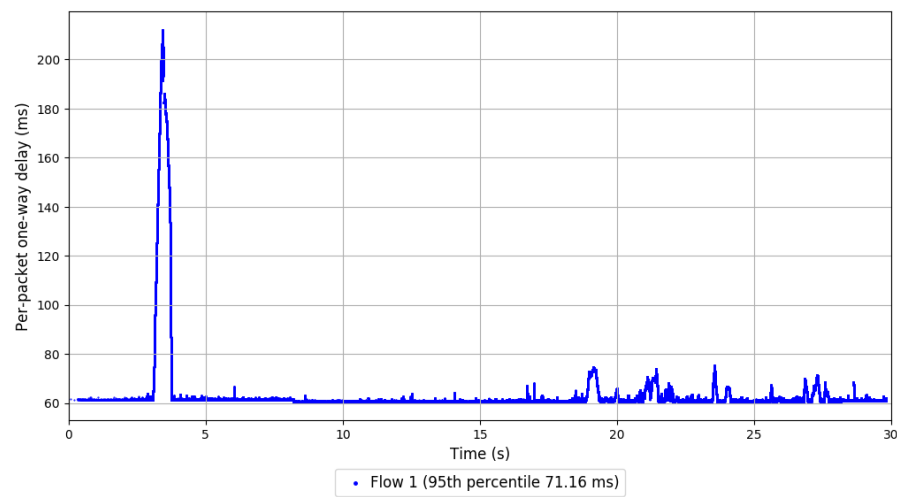
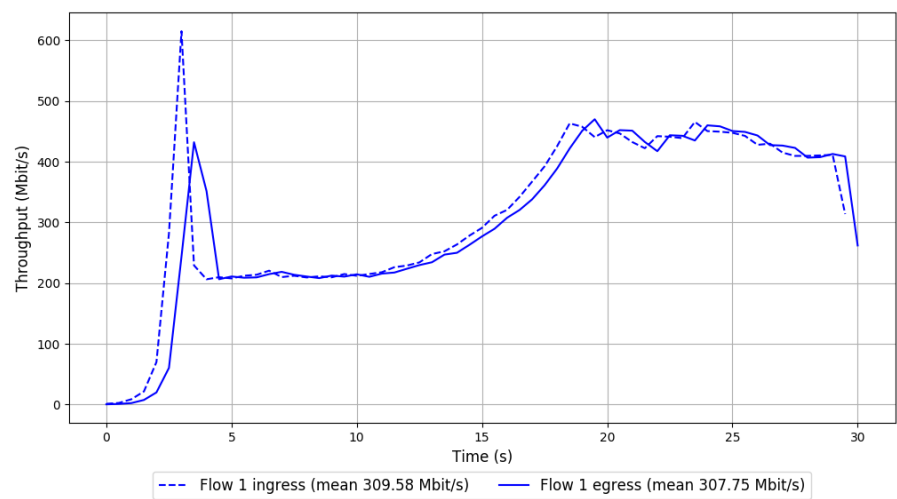
-- Flow 1:

Average throughput: 307.75 Mbit/s

95th percentile per-packet one-way delay: 71.164 ms

Loss rate: 1.02%

Run 1: Report of PCC-Vivace — Data Link

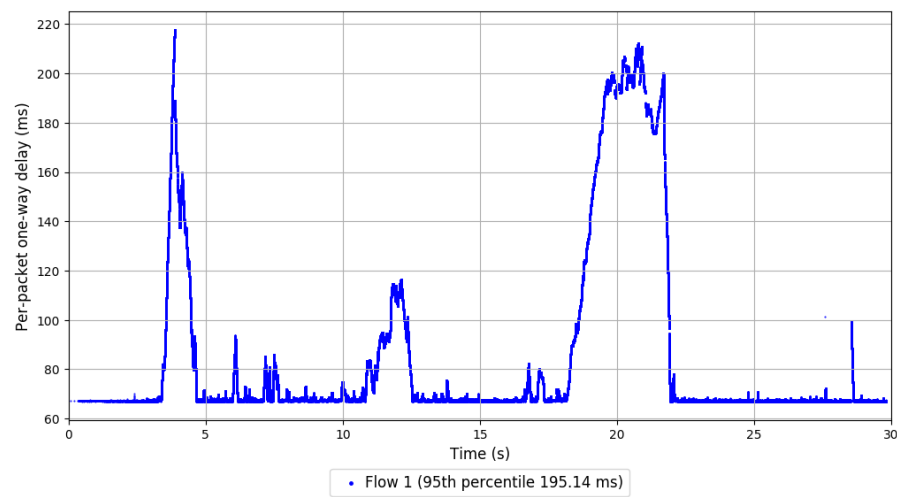
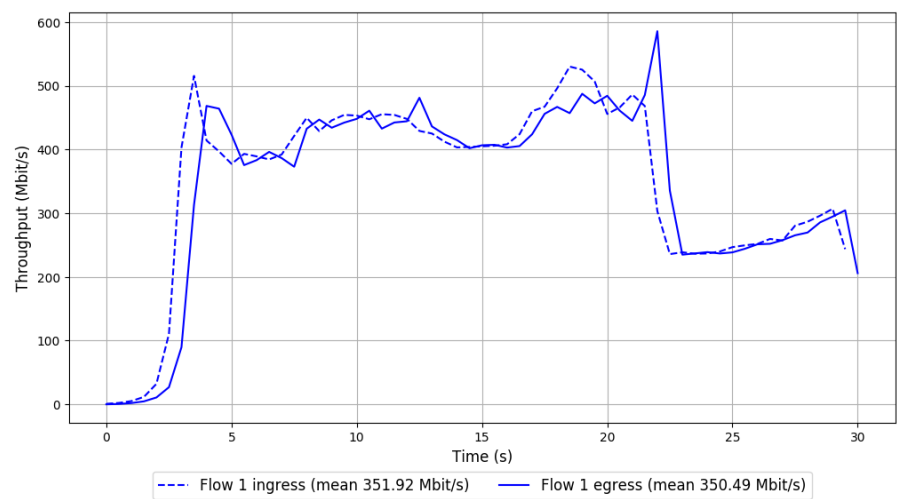


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-11 09:23:17
End at: 2018-07-11 09:23:47
Local clock offset: -0.068 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-07-11 14:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 350.49 Mbit/s
95th percentile per-packet one-way delay: 195.138 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 350.49 Mbit/s
95th percentile per-packet one-way delay: 195.138 ms
Loss rate: 0.83%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-11 09:45:21

End at: 2018-07-11 09:45:51

Local clock offset: -0.056 ms

Remote clock offset: 0.981 ms

Below is generated by plot.py at 2018-07-11 14:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.99 Mbit/s

95th percentile per-packet one-way delay: 68.034 ms

Loss rate: 0.37%

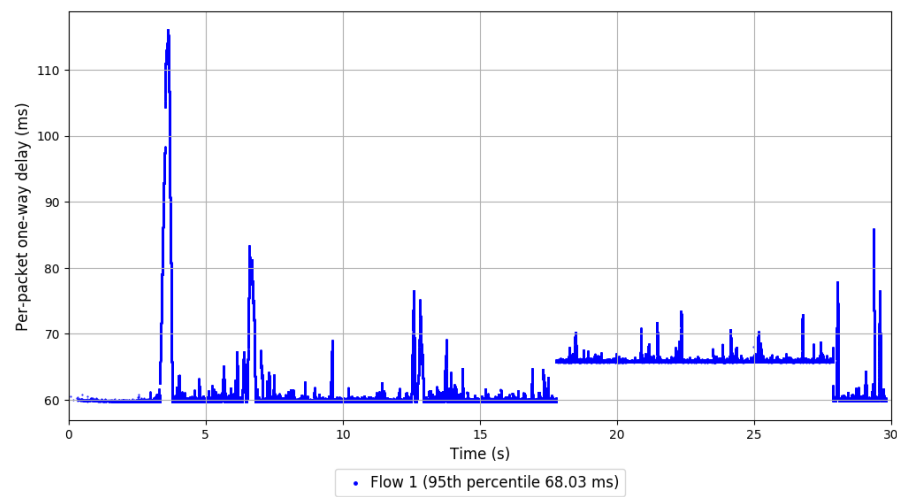
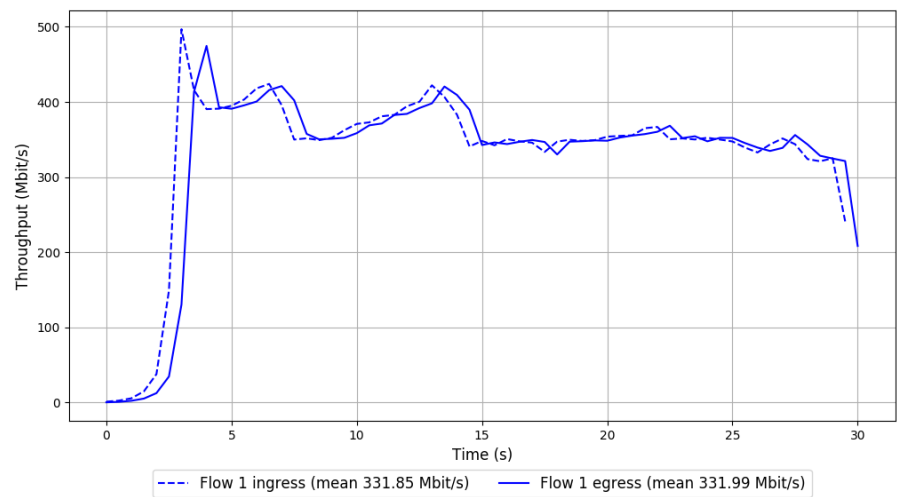
-- Flow 1:

Average throughput: 331.99 Mbit/s

95th percentile per-packet one-way delay: 68.034 ms

Loss rate: 0.37%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-11 10:07:33

End at: 2018-07-11 10:08:03

Local clock offset: -0.063 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-11 14:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.97 Mbit/s

95th percentile per-packet one-way delay: 66.033 ms

Loss rate: 0.39%

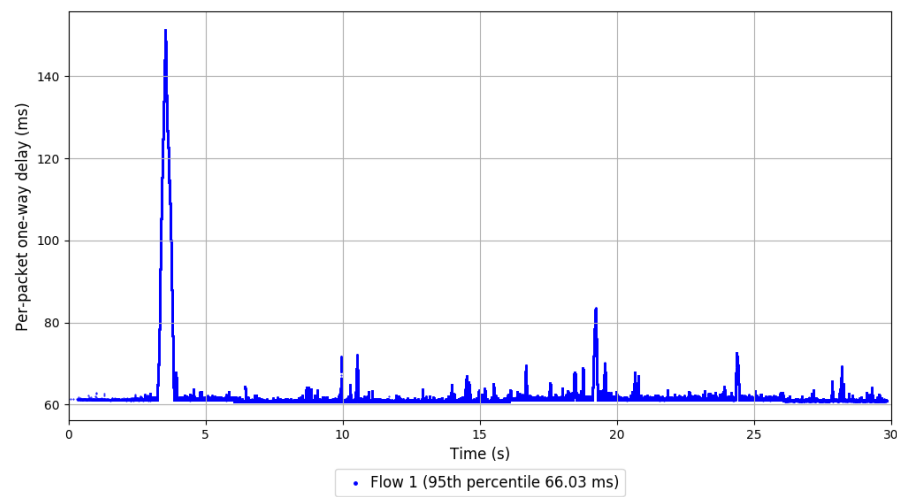
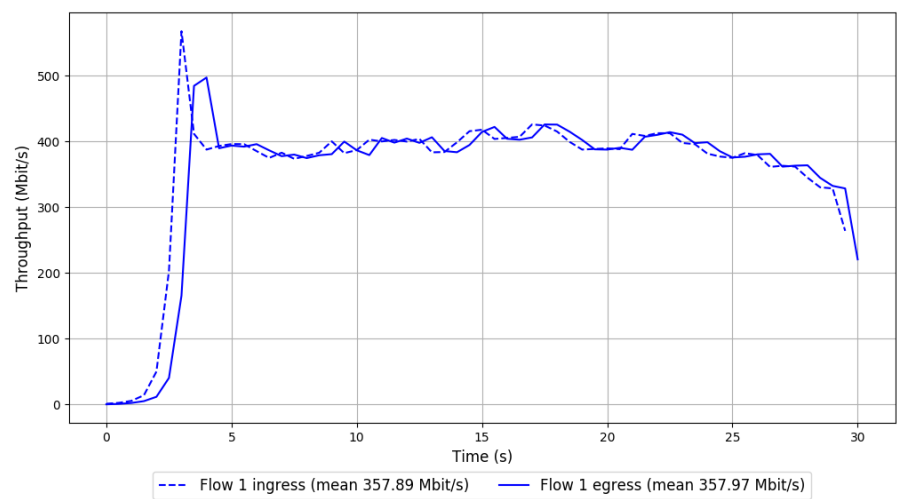
-- Flow 1:

Average throughput: 357.97 Mbit/s

95th percentile per-packet one-way delay: 66.033 ms

Loss rate: 0.39%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-11 10:29:14

End at: 2018-07-11 10:29:44

Local clock offset: -0.053 ms

Remote clock offset: 1.171 ms

Below is generated by plot.py at 2018-07-11 14:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.52 Mbit/s

95th percentile per-packet one-way delay: 62.433 ms

Loss rate: 0.35%

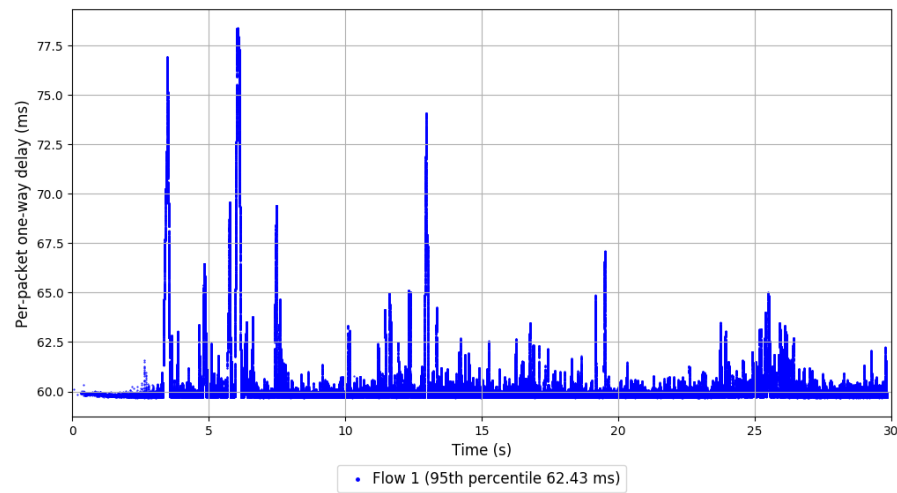
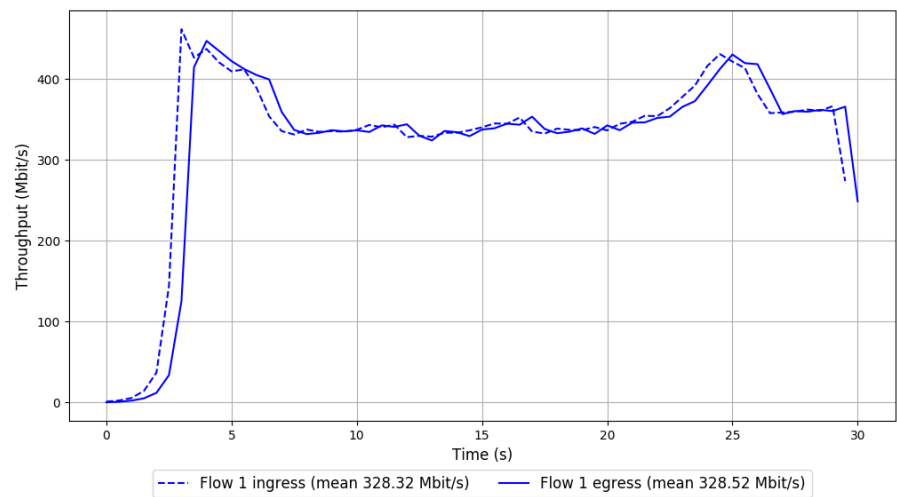
-- Flow 1:

Average throughput: 328.52 Mbit/s

95th percentile per-packet one-way delay: 62.433 ms

Loss rate: 0.35%

Run 5: Report of PCC-Vivace — Data Link

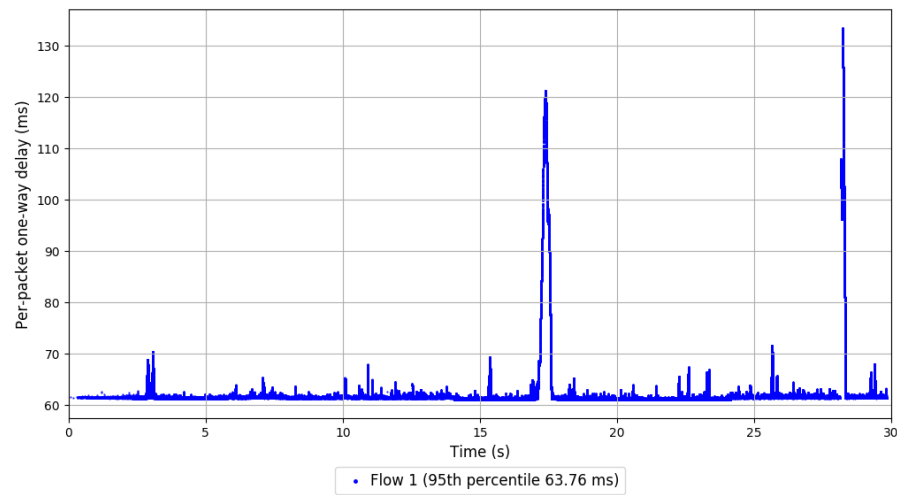
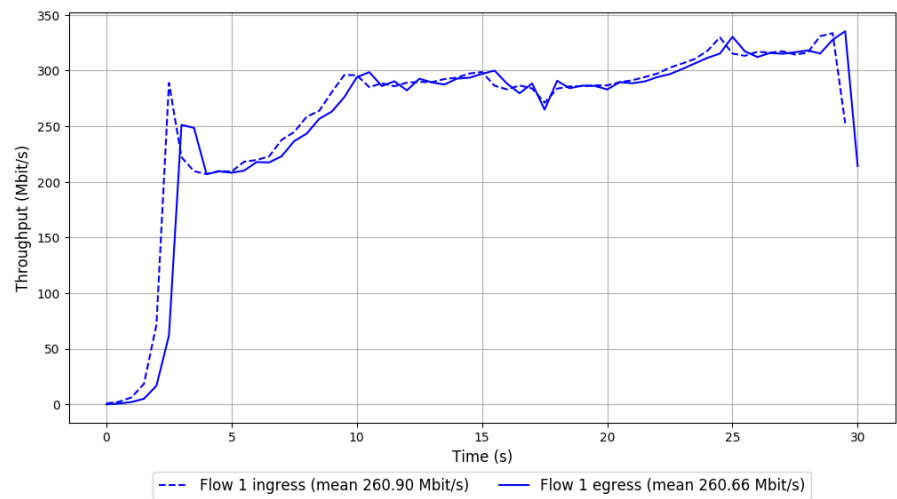


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-11 10:51:15
End at: 2018-07-11 10:51:45
Local clock offset: -0.077 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-07-11 14:31:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 260.66 Mbit/s
95th percentile per-packet one-way delay: 63.763 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 260.66 Mbit/s
95th percentile per-packet one-way delay: 63.763 ms
Loss rate: 0.50%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-11 11:13:03

End at: 2018-07-11 11:13:33

Local clock offset: -0.035 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-11 14:33:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.05 Mbit/s

95th percentile per-packet one-way delay: 74.303 ms

Loss rate: 0.67%

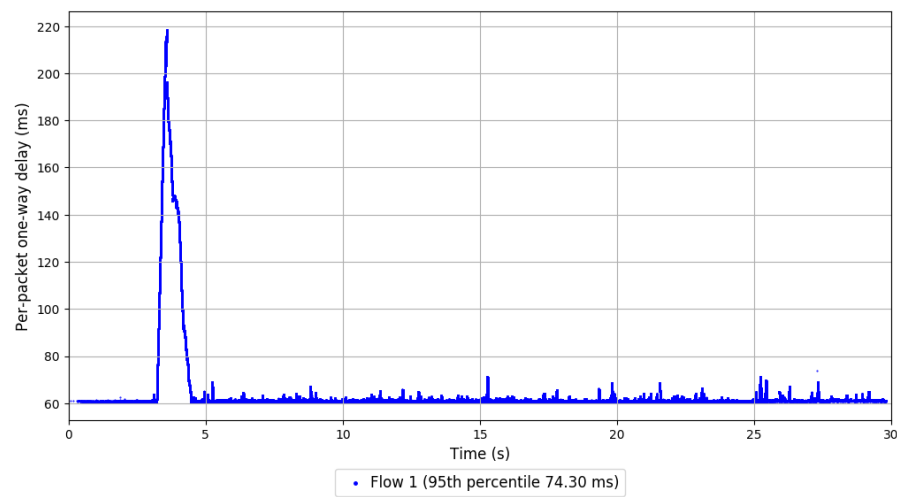
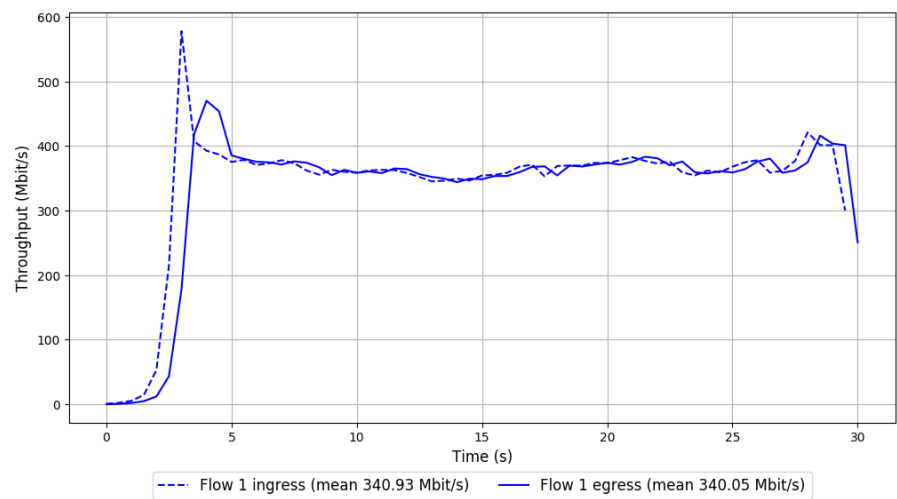
-- Flow 1:

Average throughput: 340.05 Mbit/s

95th percentile per-packet one-way delay: 74.303 ms

Loss rate: 0.67%

Run 7: Report of PCC-Vivace — Data Link

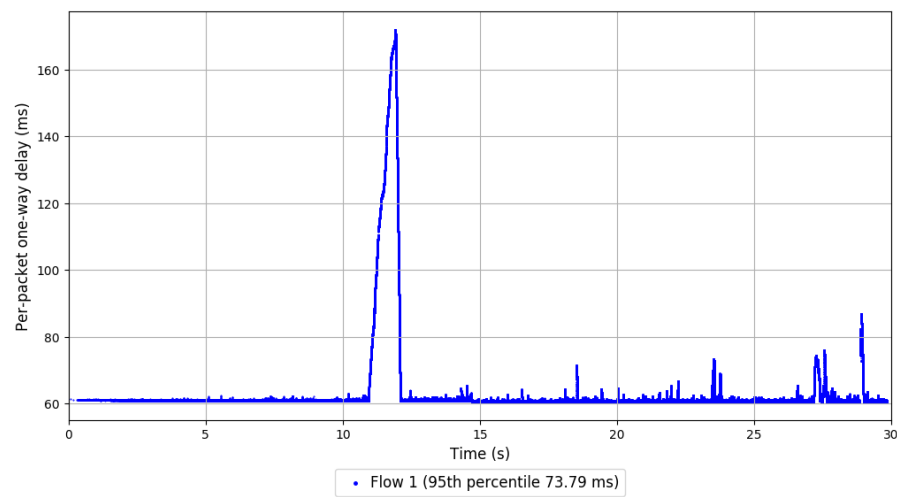
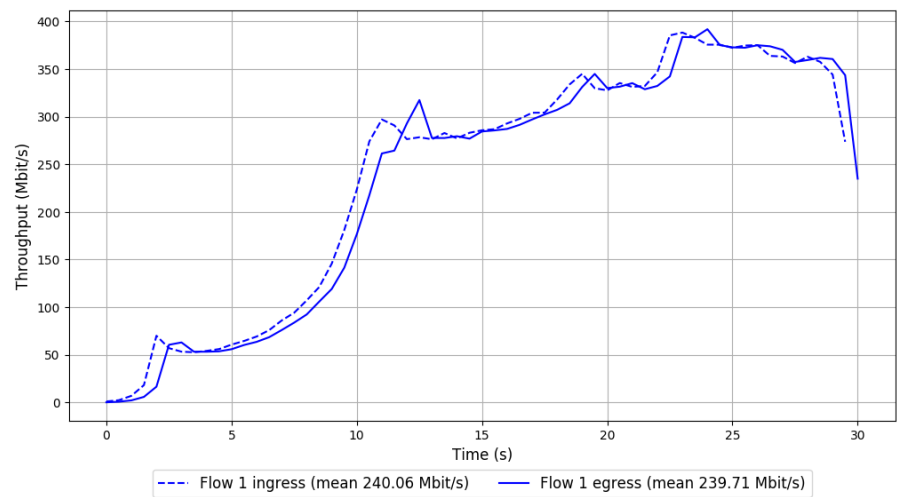


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-11 11:35:24
End at: 2018-07-11 11:35:54
Local clock offset: -0.069 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-11 14:33:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.71 Mbit/s
95th percentile per-packet one-way delay: 73.792 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 239.71 Mbit/s
95th percentile per-packet one-way delay: 73.792 ms
Loss rate: 0.56%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-11 11:57:39

End at: 2018-07-11 11:58:09

Local clock offset: -0.035 ms

Remote clock offset: 1.215 ms

Below is generated by plot.py at 2018-07-11 14:33:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.25 Mbit/s

95th percentile per-packet one-way delay: 66.989 ms

Loss rate: 0.43%

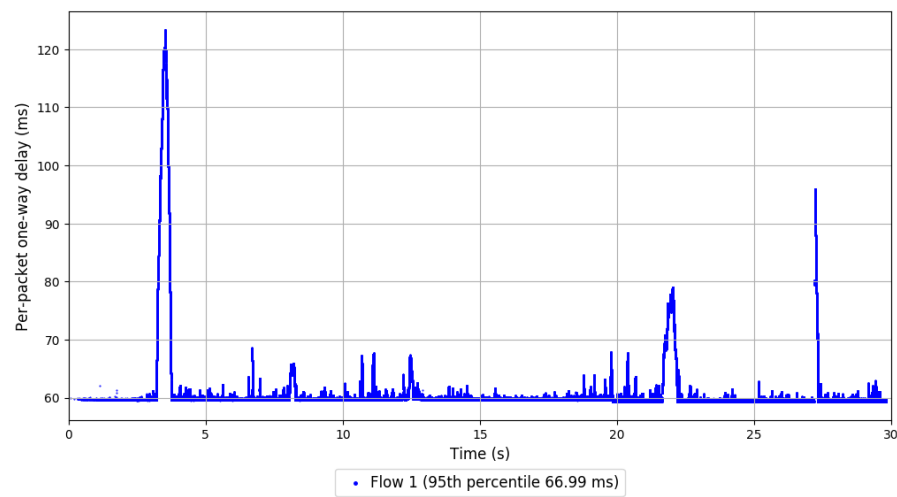
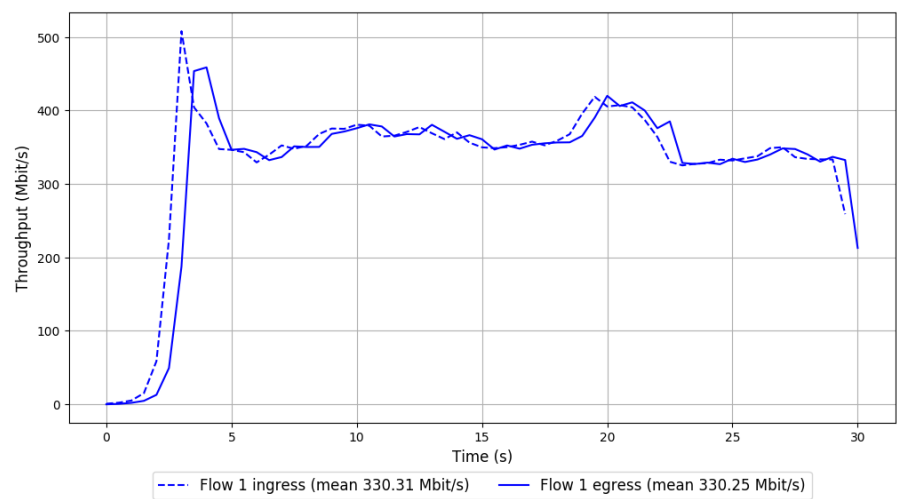
-- Flow 1:

Average throughput: 330.25 Mbit/s

95th percentile per-packet one-way delay: 66.989 ms

Loss rate: 0.43%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-11 12:19:42

End at: 2018-07-11 12:20:12

Local clock offset: -0.041 ms

Remote clock offset: 0.974 ms

Below is generated by plot.py at 2018-07-11 14:33:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.95 Mbit/s

95th percentile per-packet one-way delay: 83.558 ms

Loss rate: 0.52%

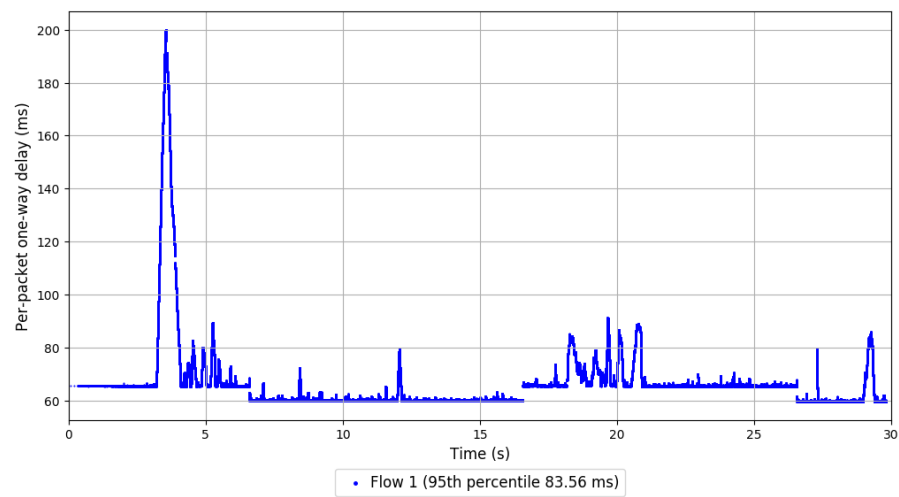
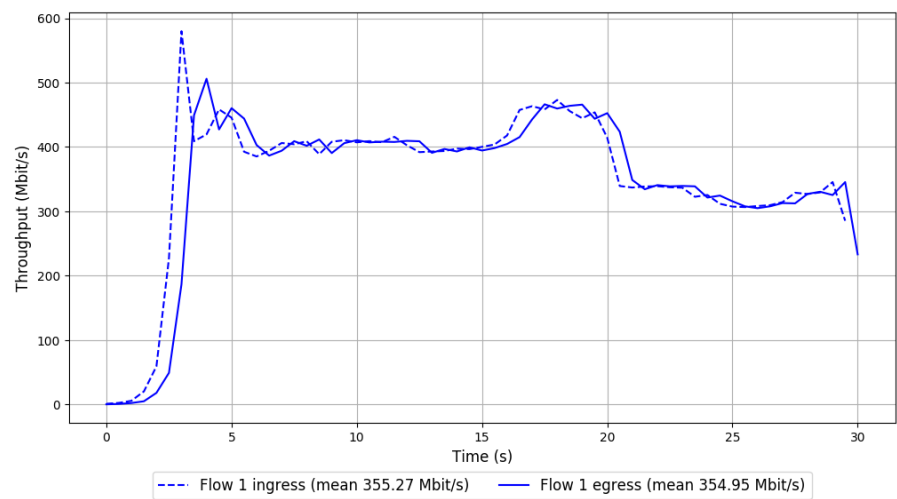
-- Flow 1:

Average throughput: 354.95 Mbit/s

95th percentile per-packet one-way delay: 83.558 ms

Loss rate: 0.52%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-11 09:05:13

End at: 2018-07-11 09:05:43

Local clock offset: -0.054 ms

Remote clock offset: 1.23 ms

Below is generated by plot.py at 2018-07-11 14:33:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.85 Mbit/s

95th percentile per-packet one-way delay: 59.983 ms

Loss rate: 1.07%

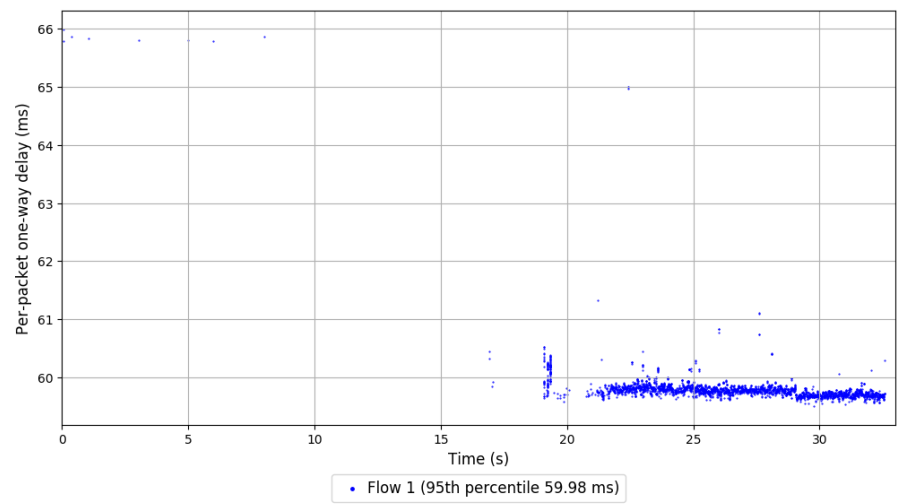
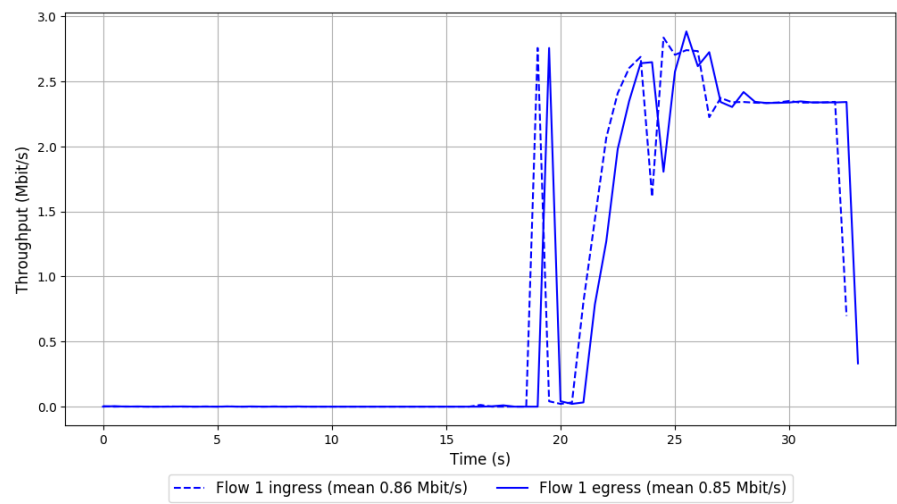
-- Flow 1:

Average throughput: 0.85 Mbit/s

95th percentile per-packet one-way delay: 59.983 ms

Loss rate: 1.07%

Run 1: Report of WebRTC media — Data Link

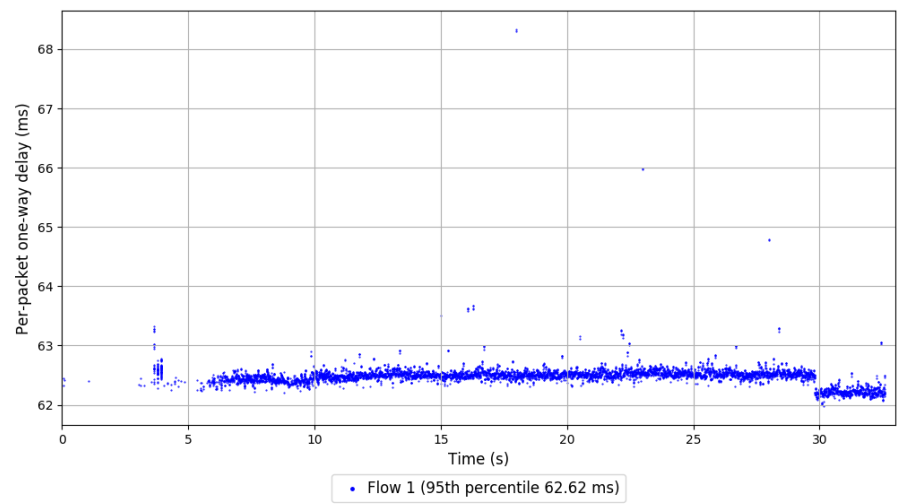
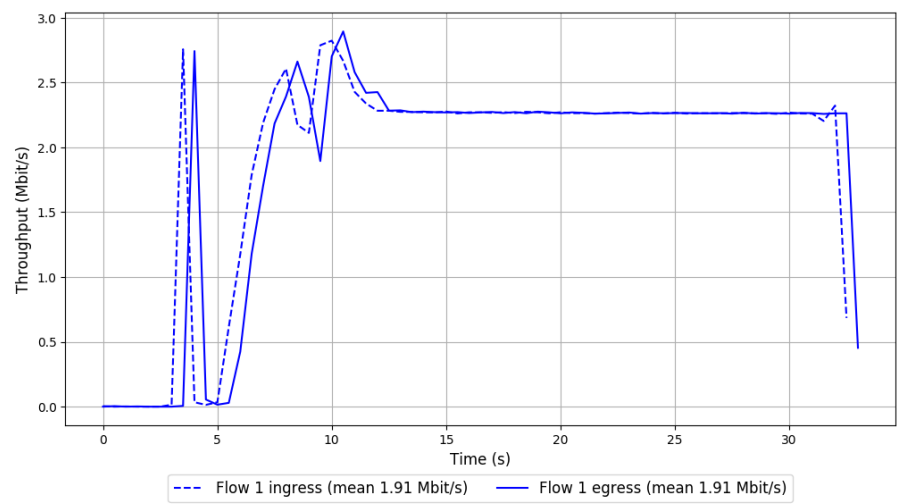


Run 2: Statistics of WebRTC media

Start at: 2018-07-11 09:27:32
End at: 2018-07-11 09:28:02
Local clock offset: -0.103 ms
Remote clock offset: -1.342 ms

Below is generated by plot.py at 2018-07-11 14:33:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 62.622 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 62.622 ms
Loss rate: 0.43%

Run 2: Report of WebRTC media — Data Link

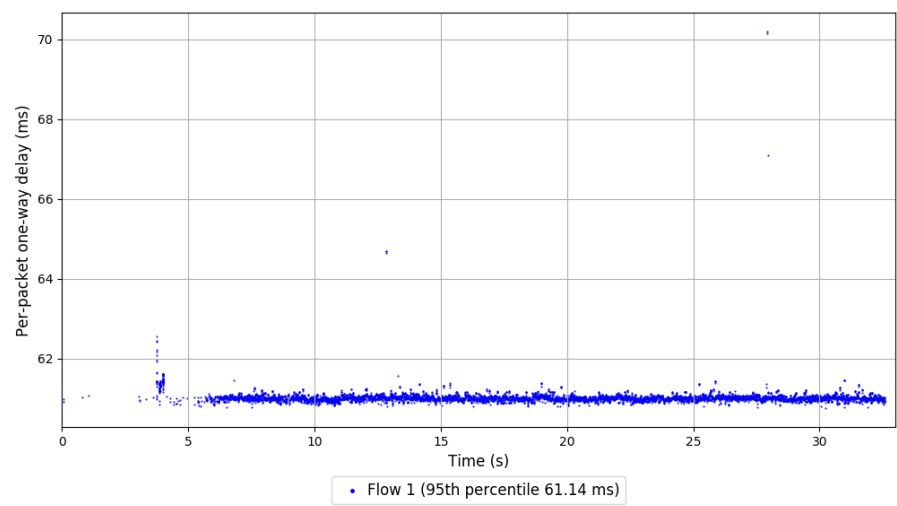
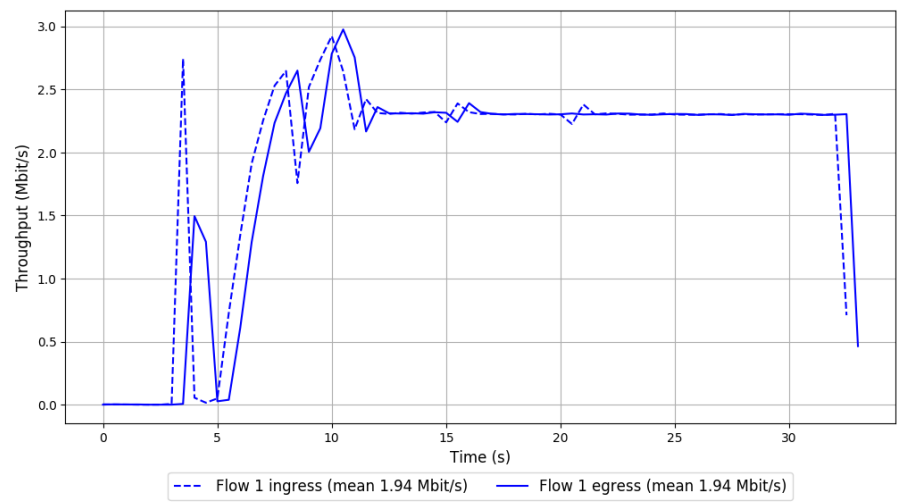


Run 3: Statistics of WebRTC media

Start at: 2018-07-11 09:49:19
End at: 2018-07-11 09:49:49
Local clock offset: -0.06 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-11 14:33:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.141 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.141 ms
Loss rate: 0.44%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-11 10:11:24

End at: 2018-07-11 10:11:54

Local clock offset: -0.047 ms

Remote clock offset: 1.28 ms

Below is generated by plot.py at 2018-07-11 14:33:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 60.098 ms

Loss rate: 0.48%

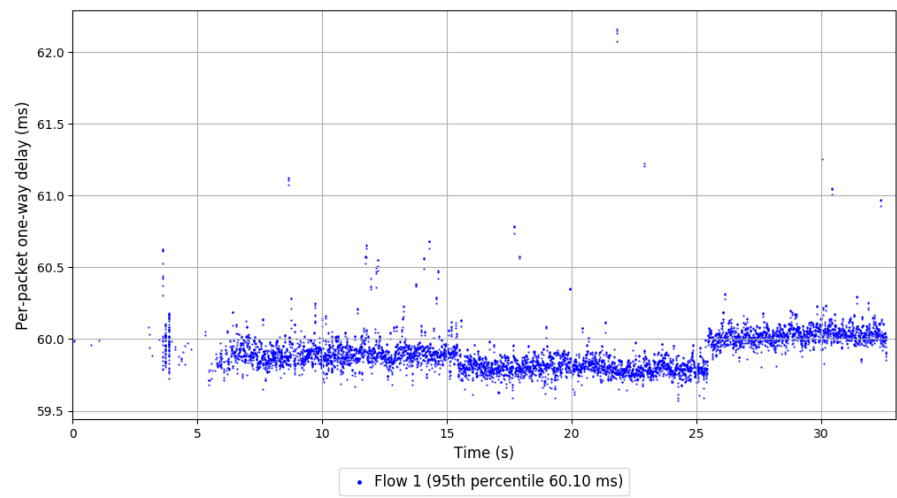
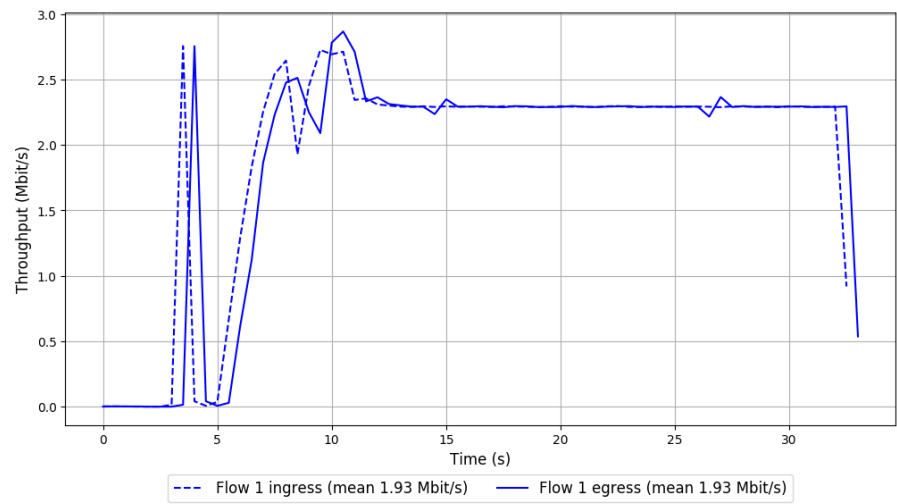
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 60.098 ms

Loss rate: 0.48%

Run 4: Report of WebRTC media — Data Link

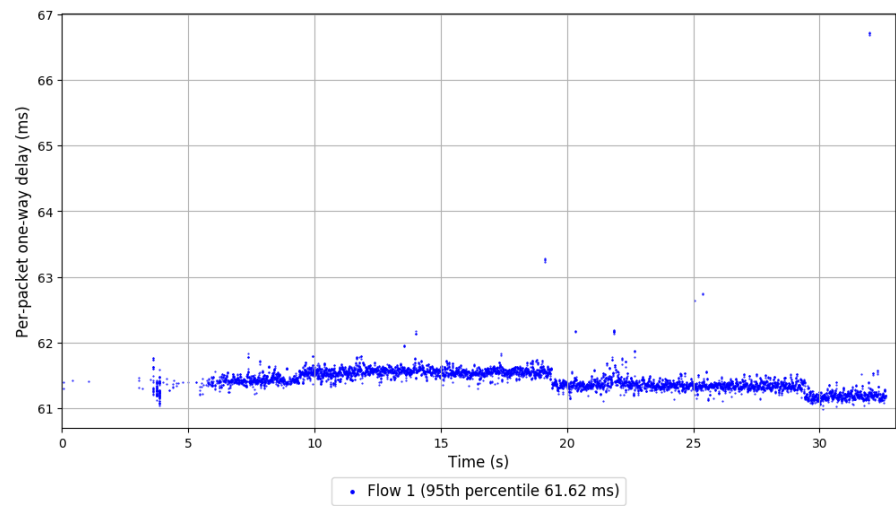
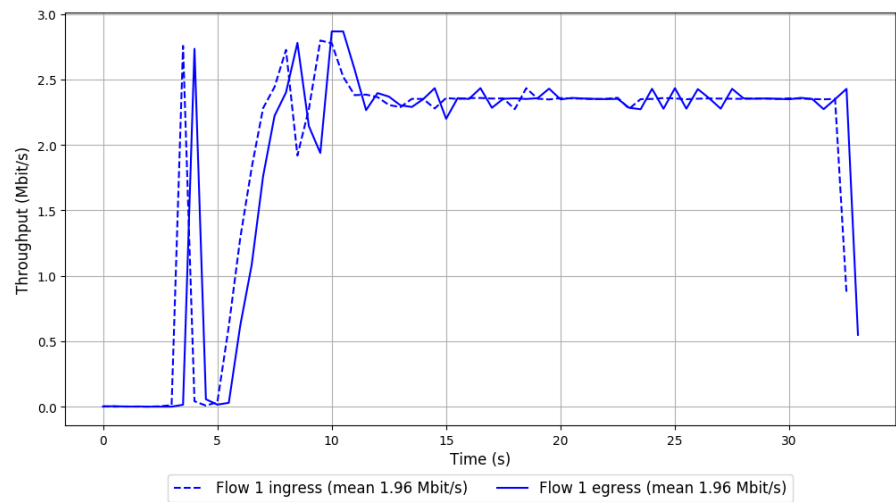


Run 5: Statistics of WebRTC media

Start at: 2018-07-11 10:33:22
End at: 2018-07-11 10:33:52
Local clock offset: 0.024 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-07-11 14:33:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 61.625 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 61.625 ms
Loss rate: 0.43%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-11 10:55:04

End at: 2018-07-11 10:55:34

Local clock offset: -0.038 ms

Remote clock offset: 0.882 ms

Below is generated by plot.py at 2018-07-11 14:33:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 60.309 ms

Loss rate: 0.43%

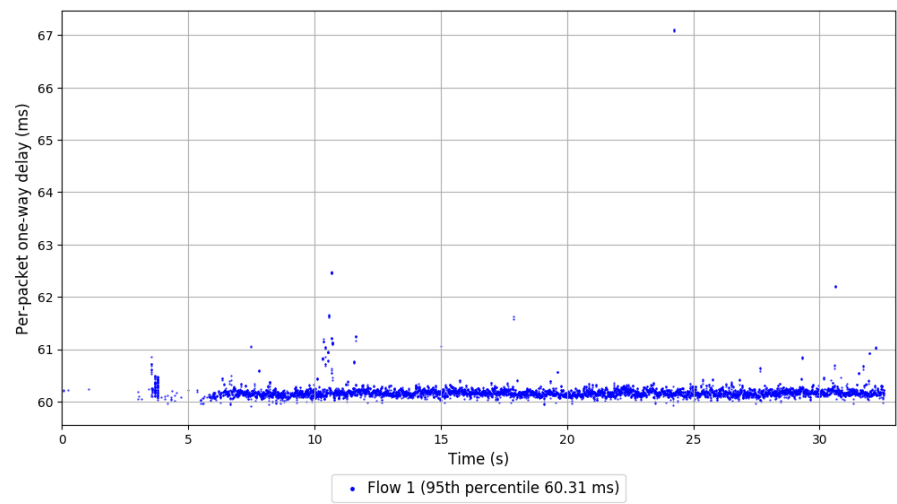
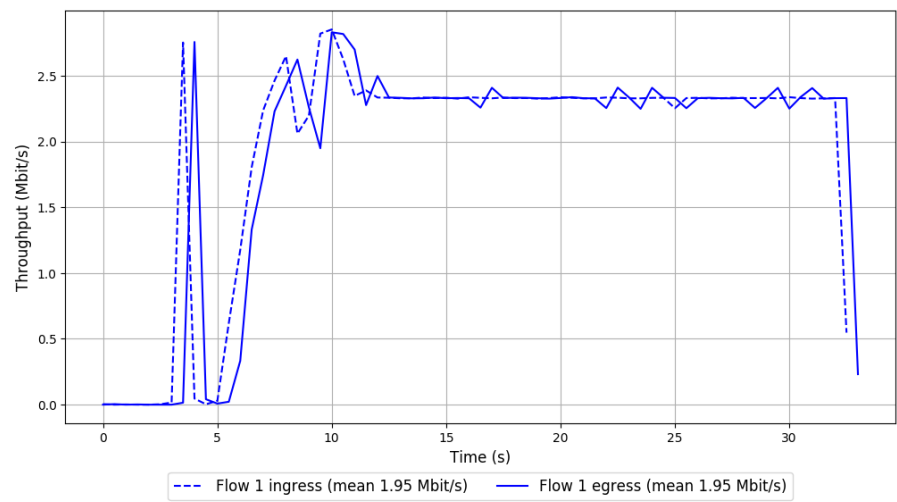
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 60.309 ms

Loss rate: 0.43%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-11 11:17:22

End at: 2018-07-11 11:17:52

Local clock offset: -0.079 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-11 14:33:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.153 ms

Loss rate: 0.48%

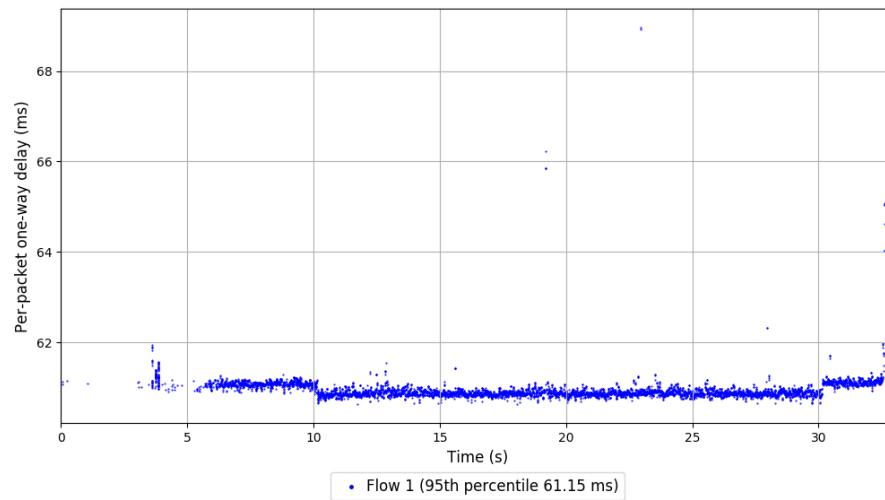
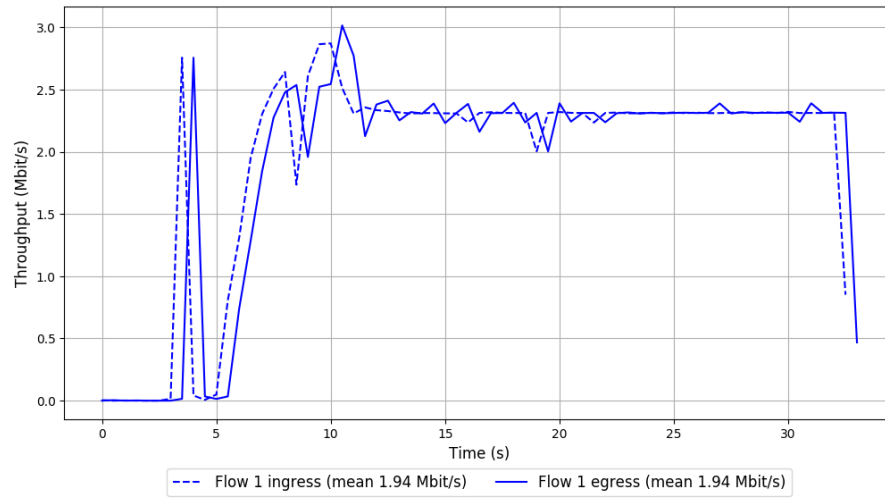
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.153 ms

Loss rate: 0.48%

Run 7: Report of WebRTC media — Data Link

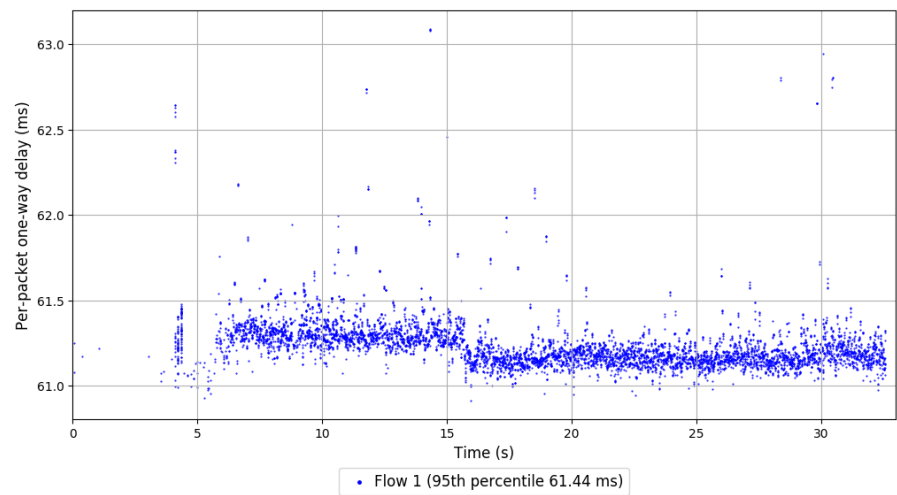
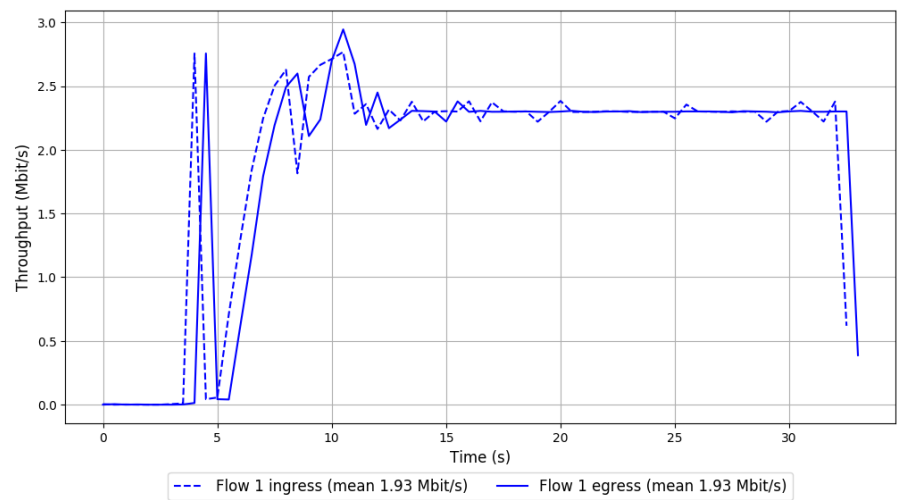


Run 8: Statistics of WebRTC media

Start at: 2018-07-11 11:39:34
End at: 2018-07-11 11:40:04
Local clock offset: -0.058 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-11 14:33:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.442 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.442 ms
Loss rate: 0.43%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-11 12:01:47

End at: 2018-07-11 12:02:17

Local clock offset: -0.062 ms

Remote clock offset: 1.237 ms

Below is generated by plot.py at 2018-07-11 14:33:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 60.123 ms

Loss rate: 0.49%

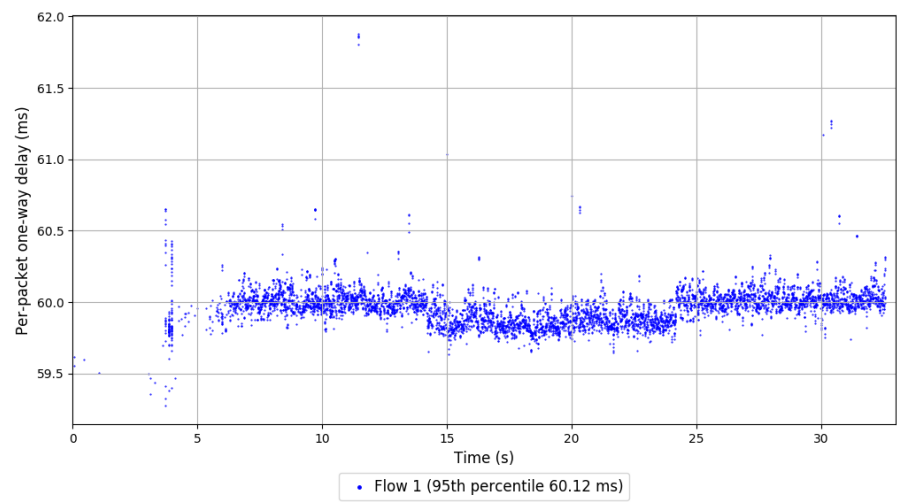
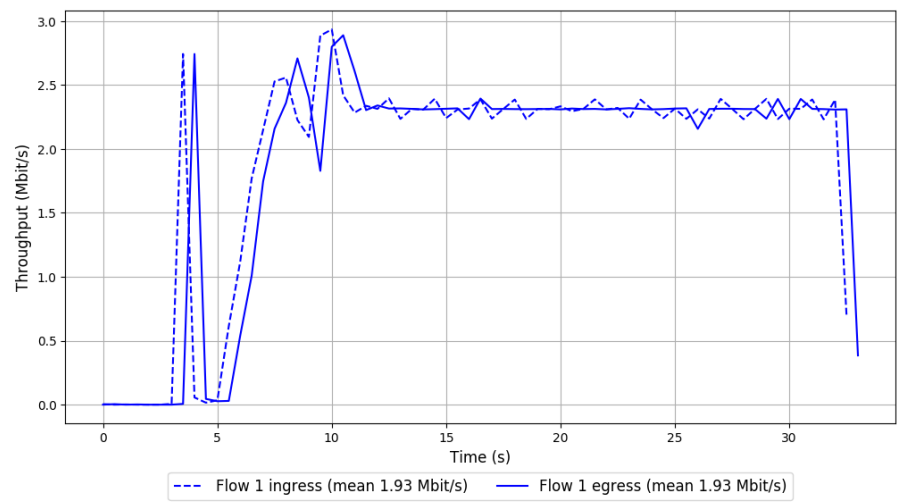
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 60.123 ms

Loss rate: 0.49%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-11 12:23:55
End at: 2018-07-11 12:24:25
Local clock offset: -0.124 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-07-11 14:33:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 66.802 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 66.802 ms
Loss rate: 0.47%

Run 10: Report of WebRTC media — Data Link

