

Pantheon Report

Generated at 2018-07-19 17:12:17 (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.

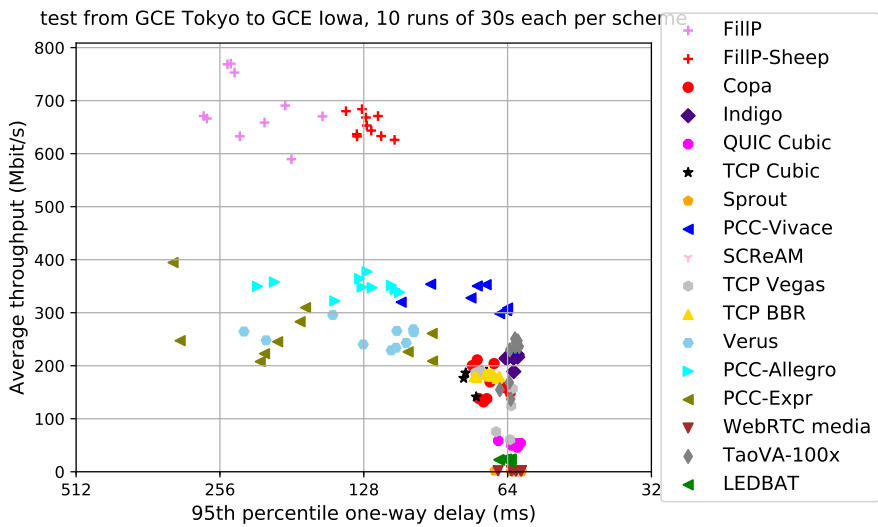
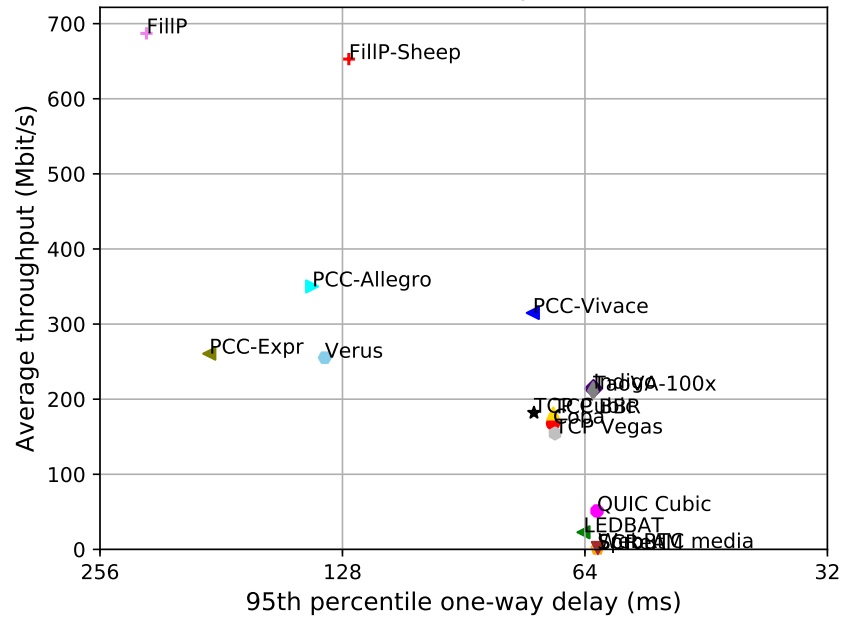
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

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

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



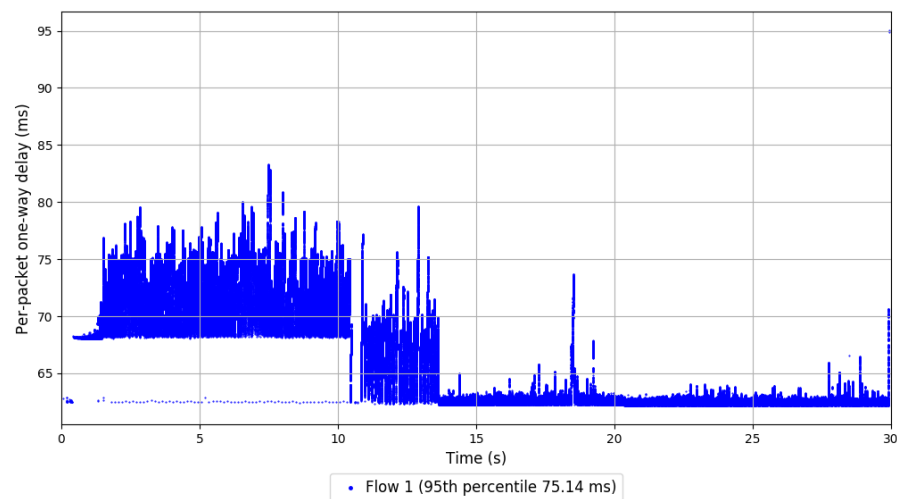
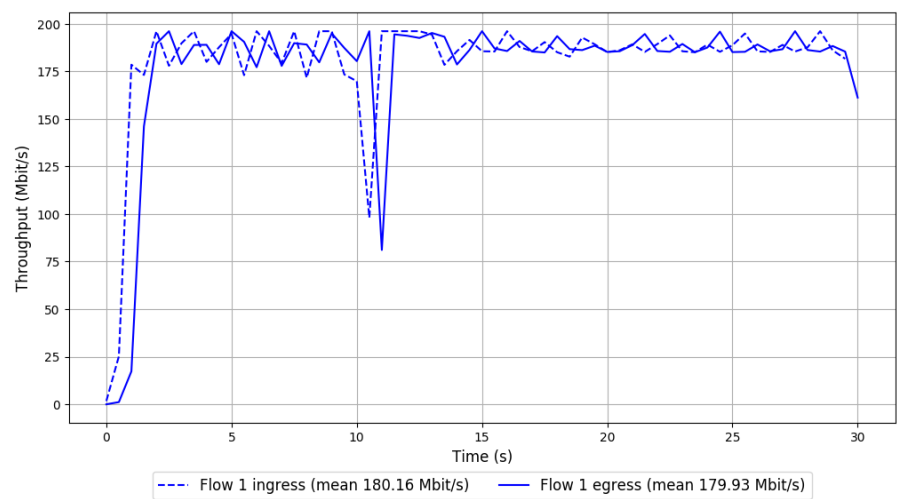
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	181.07	70.06	0.44
Copa	10	167.59	70.12	0.41
TCP Cubic	10	181.90	74.04	0.44
FillP	10	687.05	224.14	5.29
FillP-Sheep	10	652.81	125.69	0.70
Indigo	10	214.11	62.46	0.42
LEDBAT	10	22.79	64.27	0.83
PCC-Allegro	10	350.09	139.58	0.67
PCC-Expr	10	260.62	187.31	4.46
QUIC Cubic	9	51.23	61.83	0.65
SCReAM	10	0.22	61.69	0.41
Sprout	10	0.81	61.78	0.27
TaoVA-100x	9	211.48	62.52	0.50
TCP Vegas	10	154.33	69.71	0.43
Verus	10	255.23	134.63	1.41
PCC-Vivace	10	314.83	74.29	0.58
WebRTC media	10	1.88	61.68	0.47

Run 1: Statistics of TCP BBR

Start at: 2018-07-19 11:32:03
End at: 2018-07-19 11:32:33
Local clock offset: -0.032 ms
Remote clock offset: -1.287 ms

Below is generated by plot.py at 2018-07-19 15:23:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.93 Mbit/s
95th percentile per-packet one-way delay: 75.140 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 179.93 Mbit/s
95th percentile per-packet one-way delay: 75.140 ms
Loss rate: 0.46%

Run 1: Report of TCP BBR — Data Link

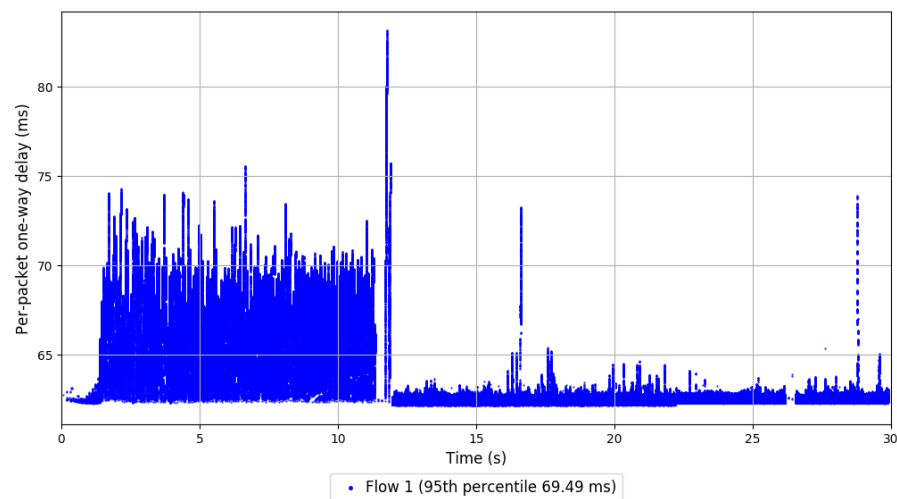
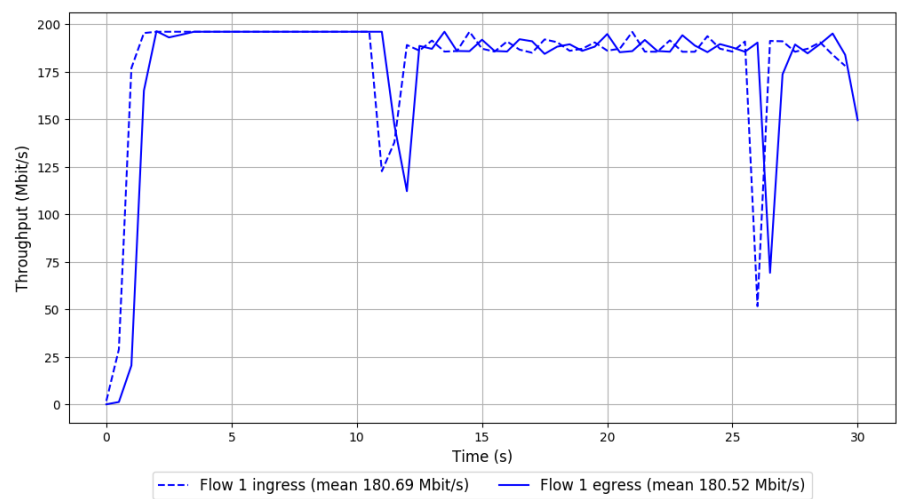


Run 2: Statistics of TCP BBR

Start at: 2018-07-19 11:54:11
End at: 2018-07-19 11:54:41
Local clock offset: 0.014 ms
Remote clock offset: -1.431 ms

Below is generated by plot.py at 2018-07-19 15:23:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.52 Mbit/s
95th percentile per-packet one-way delay: 69.491 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 180.52 Mbit/s
95th percentile per-packet one-way delay: 69.491 ms
Loss rate: 0.45%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-19 12:16:22

End at: 2018-07-19 12:16:52

Local clock offset: 0.053 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-19 15:23:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.91 Mbit/s

95th percentile per-packet one-way delay: 70.271 ms

Loss rate: 0.41%

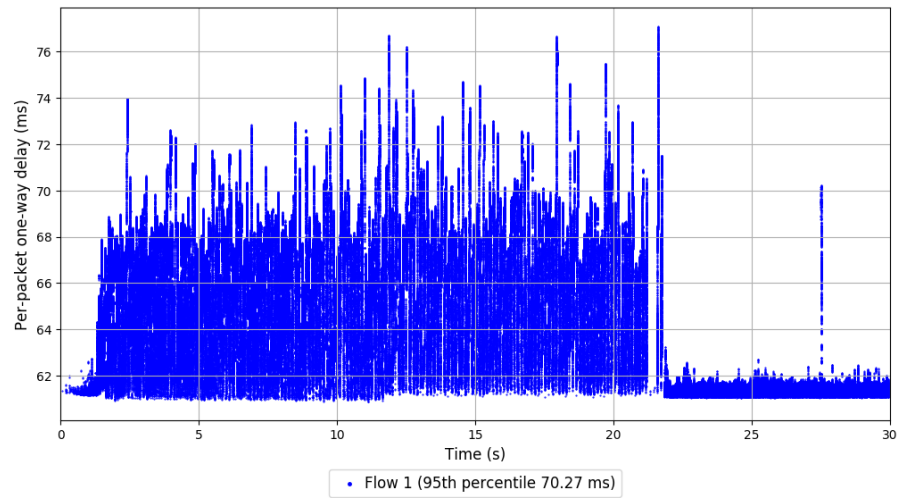
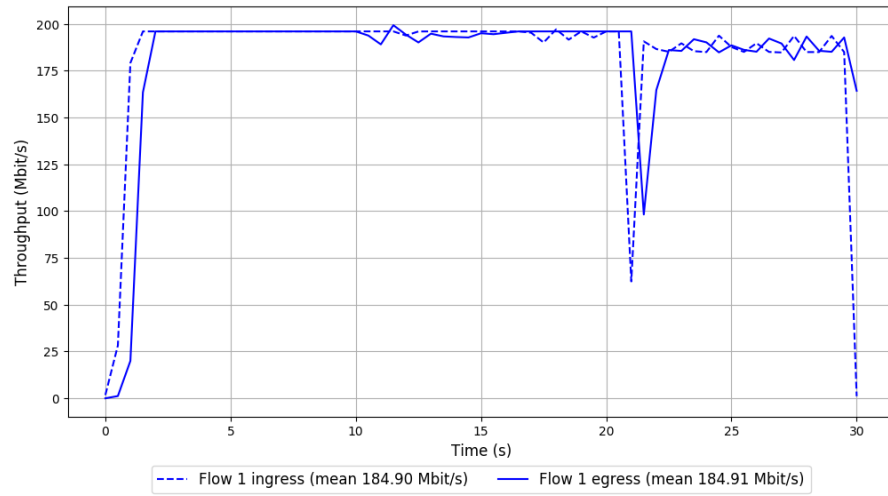
-- Flow 1:

Average throughput: 184.91 Mbit/s

95th percentile per-packet one-way delay: 70.271 ms

Loss rate: 0.41%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-19 12:38:24

End at: 2018-07-19 12:38:54

Local clock offset: 0.094 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-07-19 15:23:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.24 Mbit/s

95th percentile per-packet one-way delay: 71.236 ms

Loss rate: 0.48%

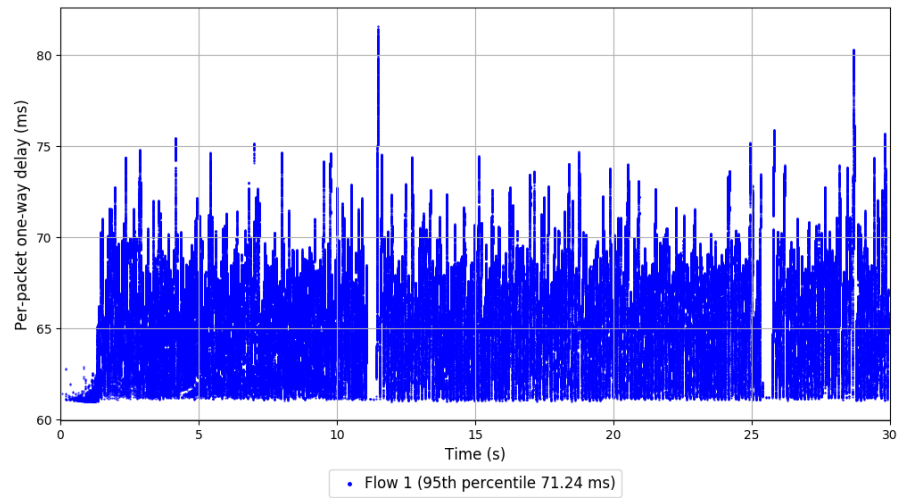
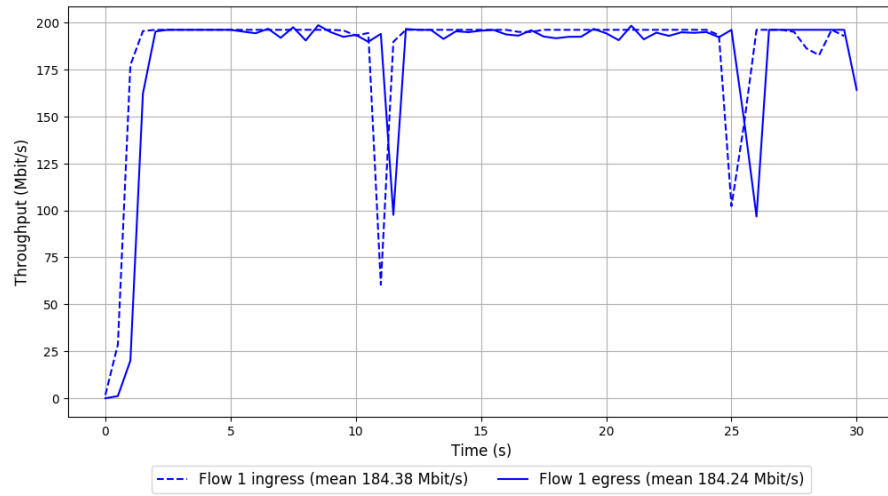
-- Flow 1:

Average throughput: 184.24 Mbit/s

95th percentile per-packet one-way delay: 71.236 ms

Loss rate: 0.48%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-19 13:00:33

End at: 2018-07-19 13:01:03

Local clock offset: 0.138 ms

Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-19 15:23:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.09 Mbit/s

95th percentile per-packet one-way delay: 66.576 ms

Loss rate: 0.42%

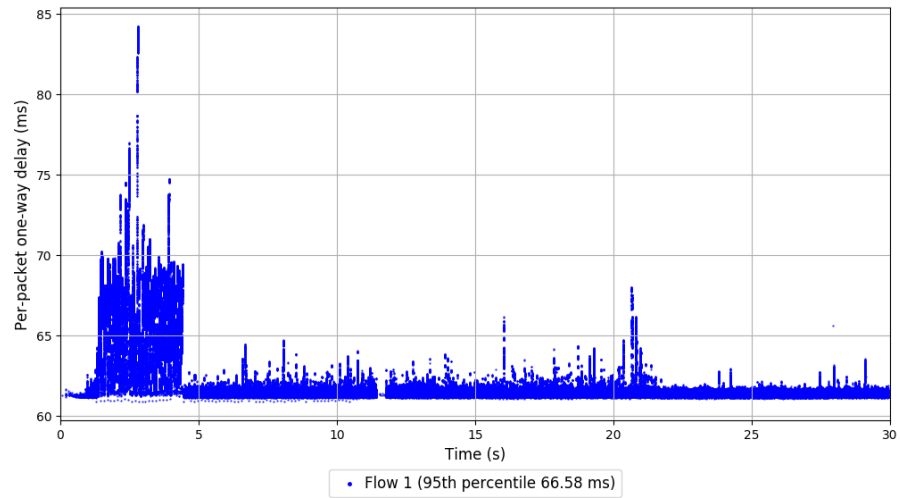
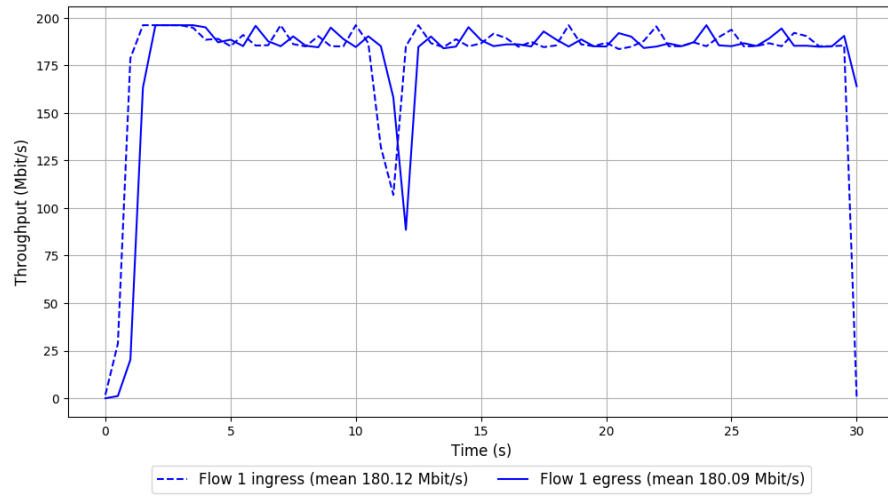
-- Flow 1:

Average throughput: 180.09 Mbit/s

95th percentile per-packet one-way delay: 66.576 ms

Loss rate: 0.42%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-19 13:22:30

End at: 2018-07-19 13:23:00

Local clock offset: 0.131 ms

Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-07-19 15:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.68 Mbit/s

95th percentile per-packet one-way delay: 69.406 ms

Loss rate: 0.42%

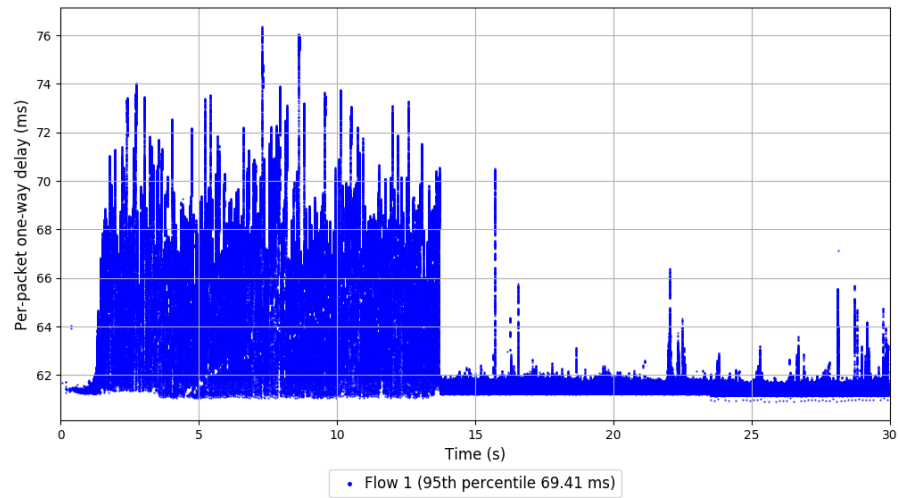
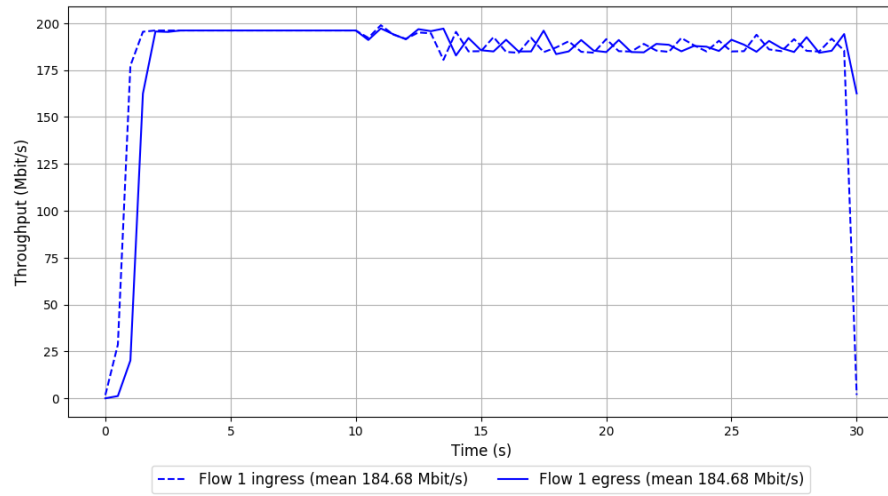
-- Flow 1:

Average throughput: 184.68 Mbit/s

95th percentile per-packet one-way delay: 69.406 ms

Loss rate: 0.42%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-19 13:44:38

End at: 2018-07-19 13:45:08

Local clock offset: 0.187 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-19 15:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.85 Mbit/s

95th percentile per-packet one-way delay: 68.573 ms

Loss rate: 0.42%

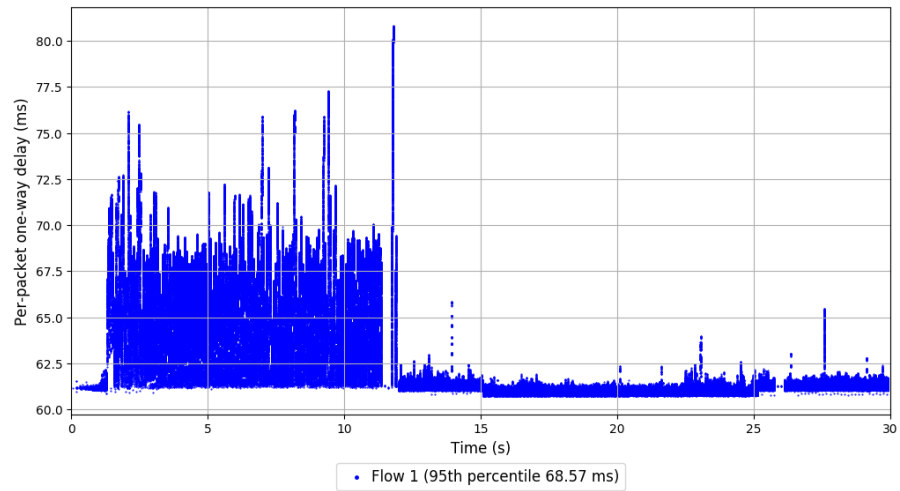
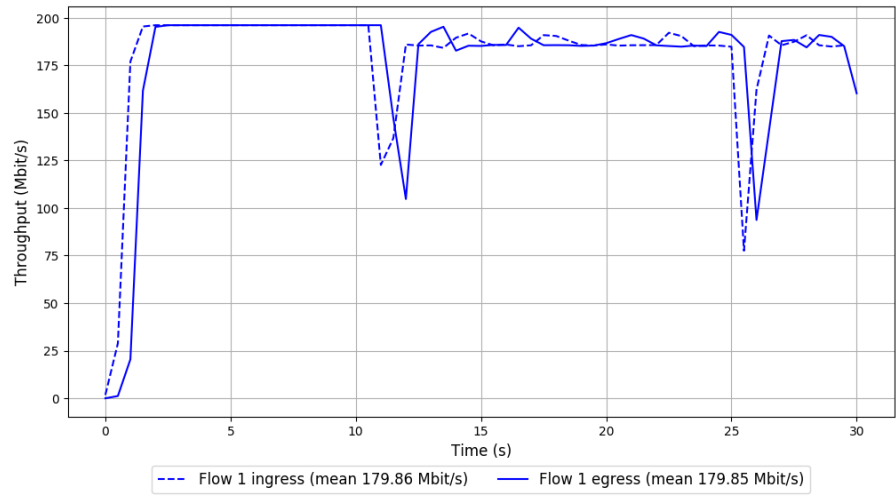
-- Flow 1:

Average throughput: 179.85 Mbit/s

95th percentile per-packet one-way delay: 68.573 ms

Loss rate: 0.42%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-19 14:06:41

End at: 2018-07-19 14:07:11

Local clock offset: -0.04 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-19 15:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.14 Mbit/s

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

Loss rate: 0.46%

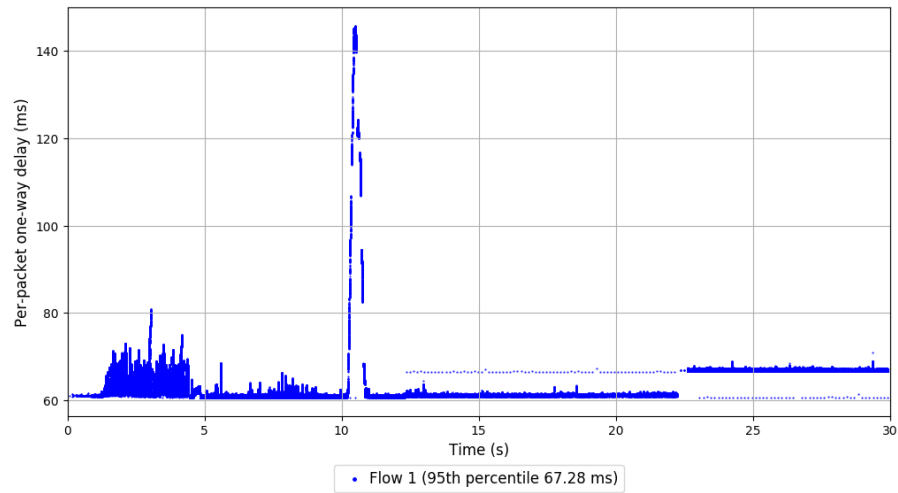
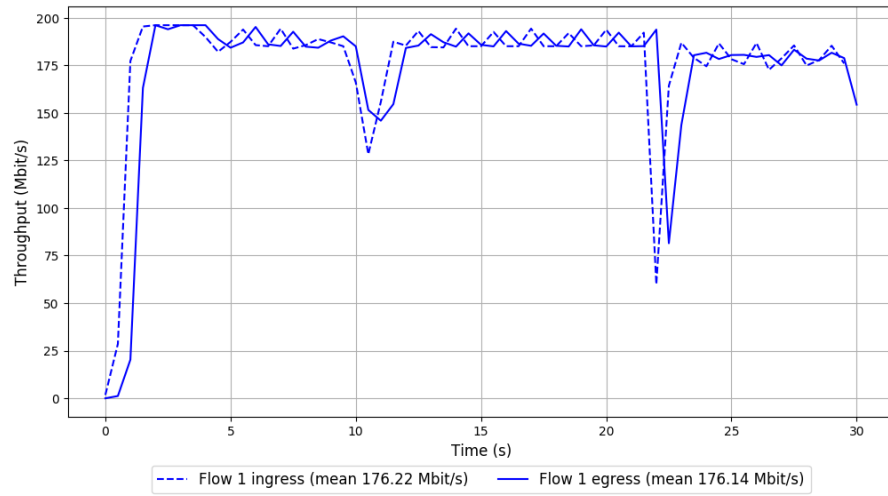
-- Flow 1:

Average throughput: 176.14 Mbit/s

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

Loss rate: 0.46%

Run 8: Report of TCP BBR — Data Link

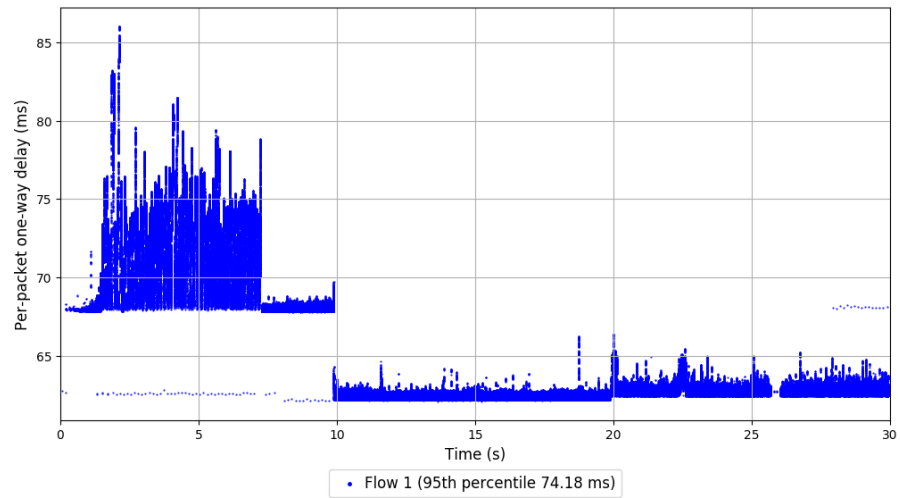
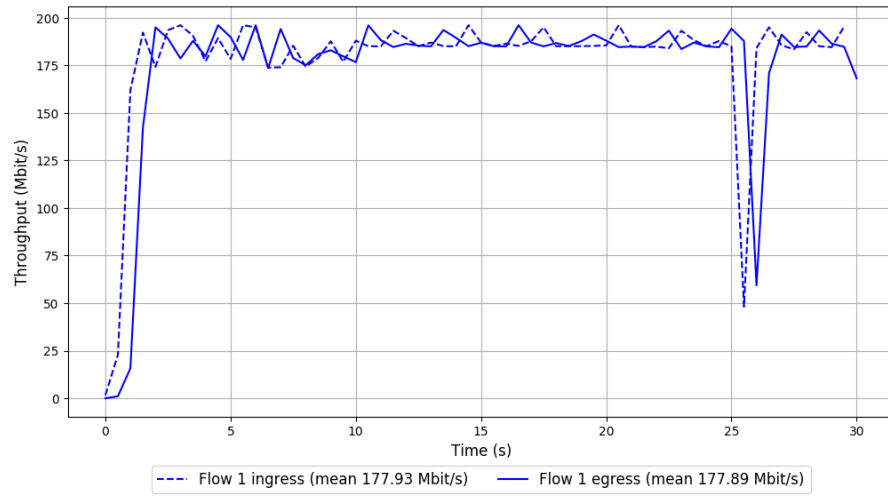


Run 9: Statistics of TCP BBR

Start at: 2018-07-19 14:28:44
End at: 2018-07-19 14:29:14
Local clock offset: -0.085 ms
Remote clock offset: -1.377 ms

Below is generated by plot.py at 2018-07-19 15:25:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.89 Mbit/s
95th percentile per-packet one-way delay: 74.177 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 177.89 Mbit/s
95th percentile per-packet one-way delay: 74.177 ms
Loss rate: 0.46%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-19 14:50:47

End at: 2018-07-19 14:51:17

Local clock offset: 0.004 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-19 15:26:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.47 Mbit/s

95th percentile per-packet one-way delay: 68.429 ms

Loss rate: 0.41%

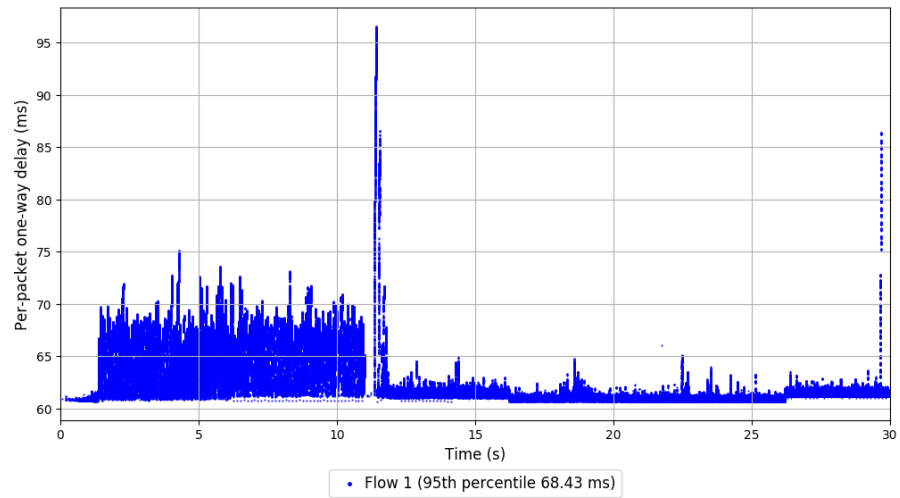
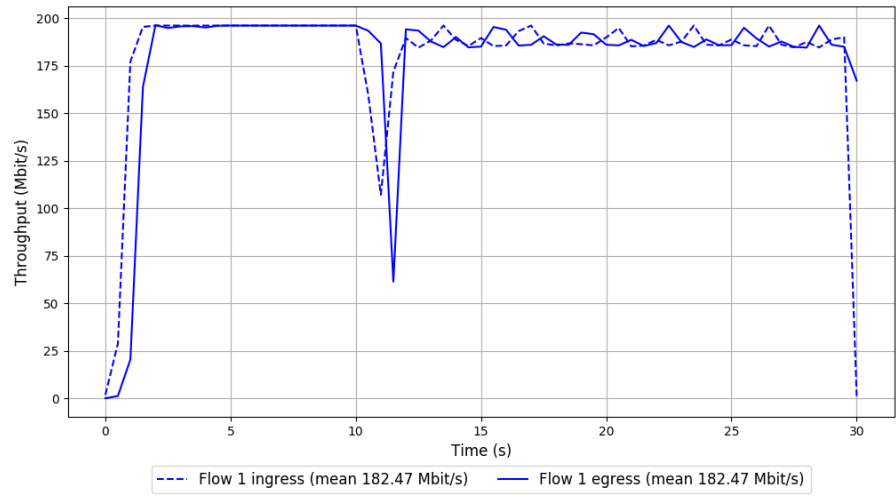
-- Flow 1:

Average throughput: 182.47 Mbit/s

95th percentile per-packet one-way delay: 68.429 ms

Loss rate: 0.41%

Run 10: Report of TCP BBR — Data Link

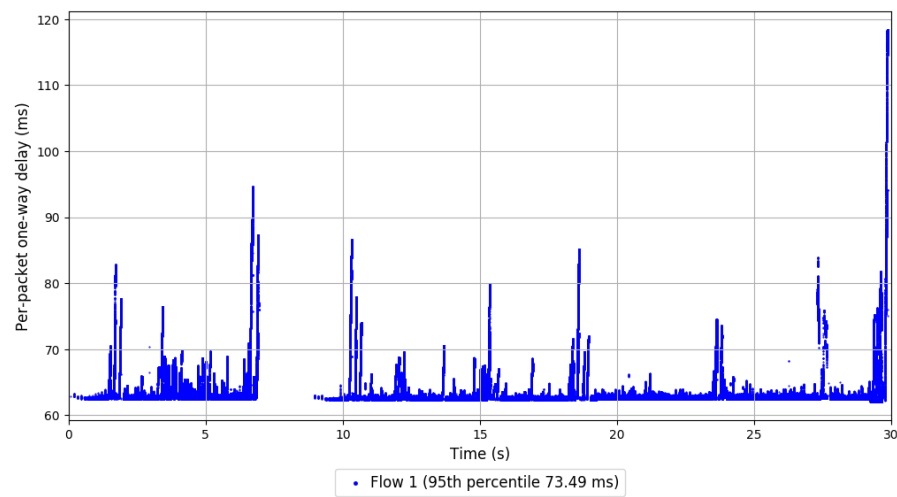
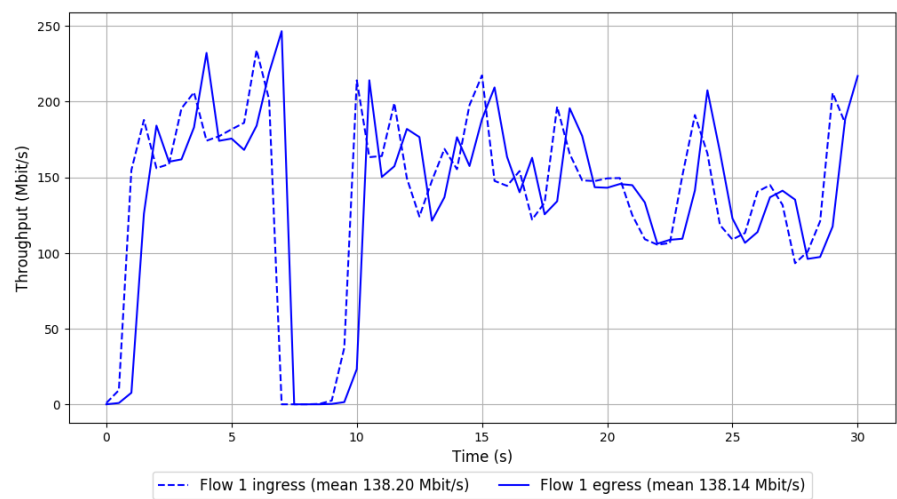


Run 1: Statistics of Copa

Start at: 2018-07-19 11:47:24
End at: 2018-07-19 11:47:54
Local clock offset: 0.062 ms
Remote clock offset: -1.321 ms

Below is generated by plot.py at 2018-07-19 15:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.14 Mbit/s
95th percentile per-packet one-way delay: 73.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.14 Mbit/s
95th percentile per-packet one-way delay: 73.492 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

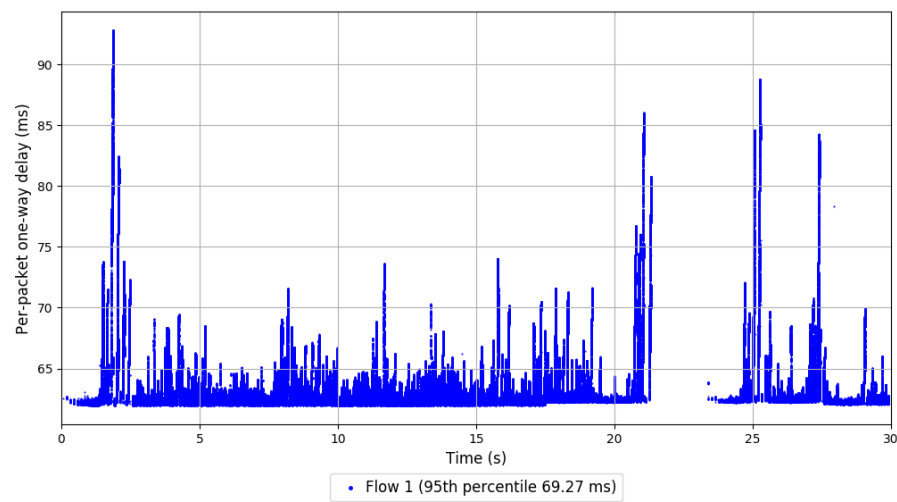
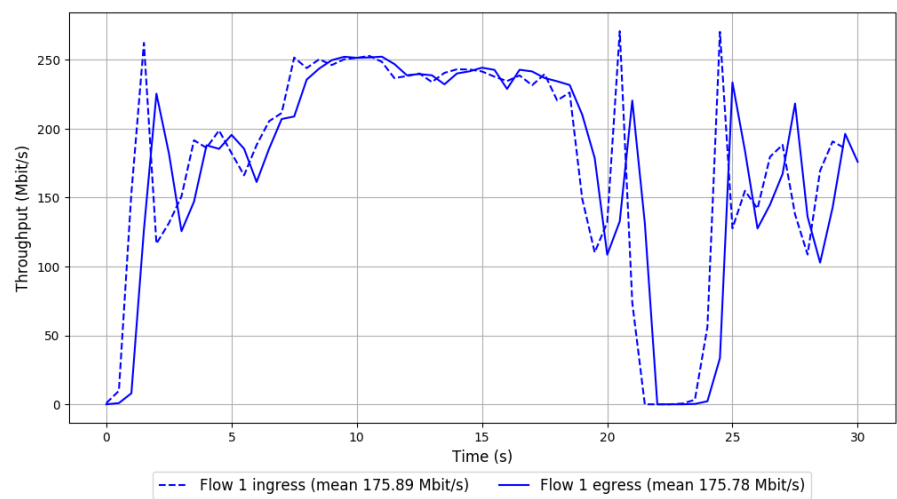


Run 2: Statistics of Copa

Start at: 2018-07-19 12:09:36
End at: 2018-07-19 12:10:06
Local clock offset: 0.036 ms
Remote clock offset: -1.253 ms

Below is generated by plot.py at 2018-07-19 15:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.78 Mbit/s
95th percentile per-packet one-way delay: 69.271 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 175.78 Mbit/s
95th percentile per-packet one-way delay: 69.271 ms
Loss rate: 0.47%

Run 2: Report of Copa — Data Link

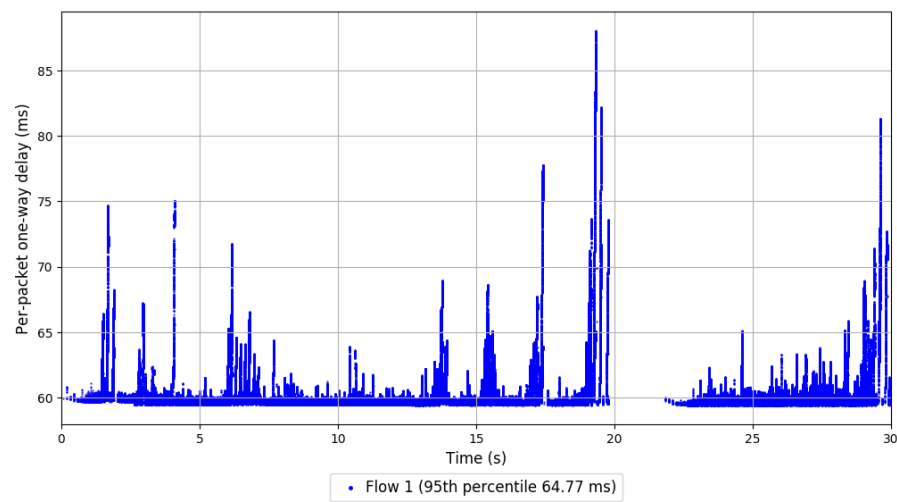
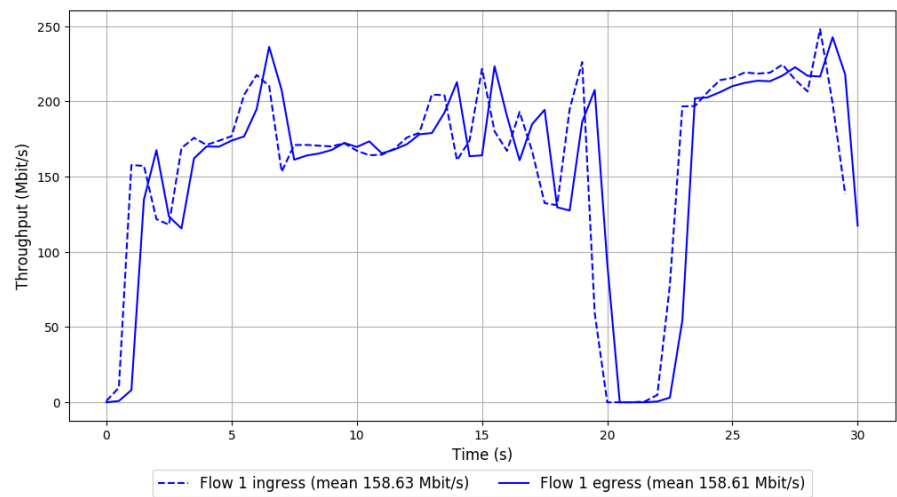


Run 3: Statistics of Copa

Start at: 2018-07-19 12:31:41
End at: 2018-07-19 12:32:11
Local clock offset: 0.064 ms
Remote clock offset: 1.416 ms

Below is generated by plot.py at 2018-07-19 15:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.61 Mbit/s
95th percentile per-packet one-way delay: 64.767 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 158.61 Mbit/s
95th percentile per-packet one-way delay: 64.767 ms
Loss rate: 0.31%

Run 3: Report of Copa — Data Link

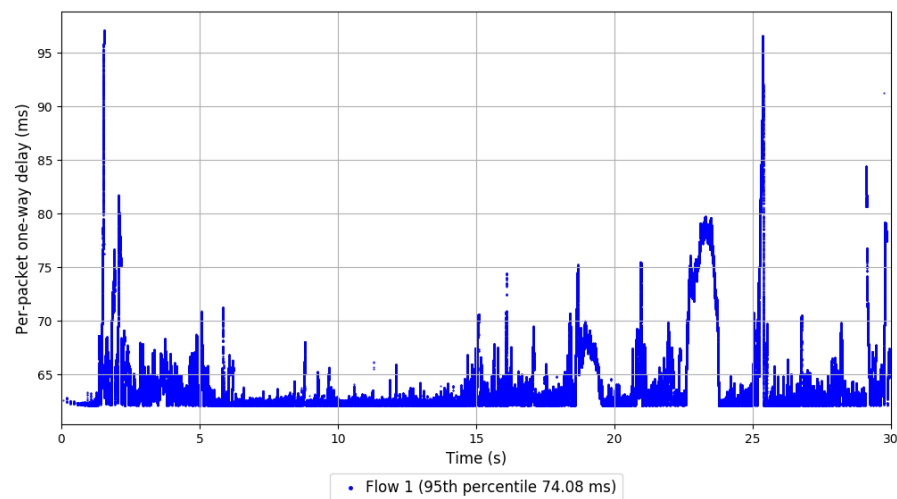
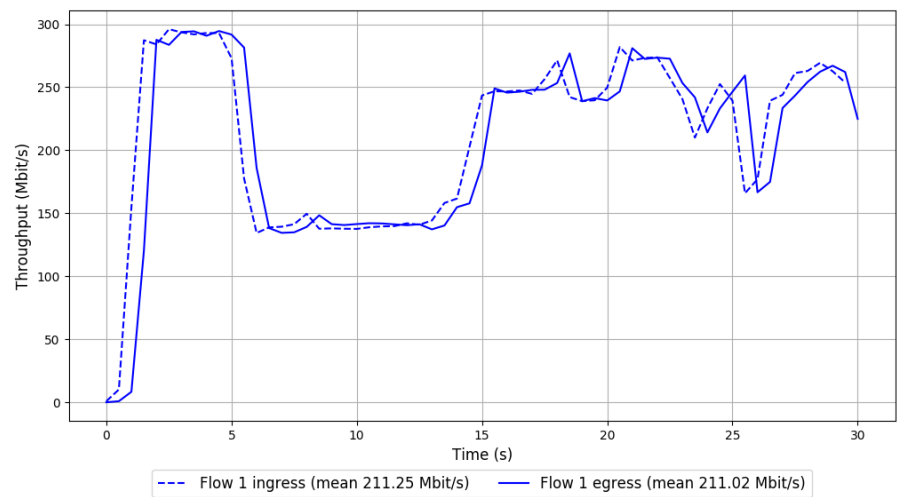


Run 4: Statistics of Copa

Start at: 2018-07-19 12:53:40
End at: 2018-07-19 12:54:10
Local clock offset: 0.1 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-07-19 15:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.02 Mbit/s
95th percentile per-packet one-way delay: 74.084 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 211.02 Mbit/s
95th percentile per-packet one-way delay: 74.084 ms
Loss rate: 0.52%

Run 4: Report of Copa — Data Link

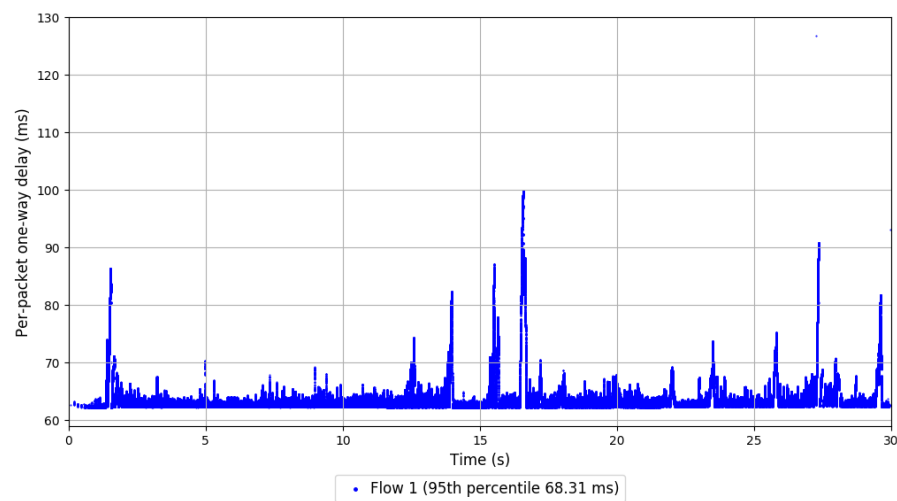
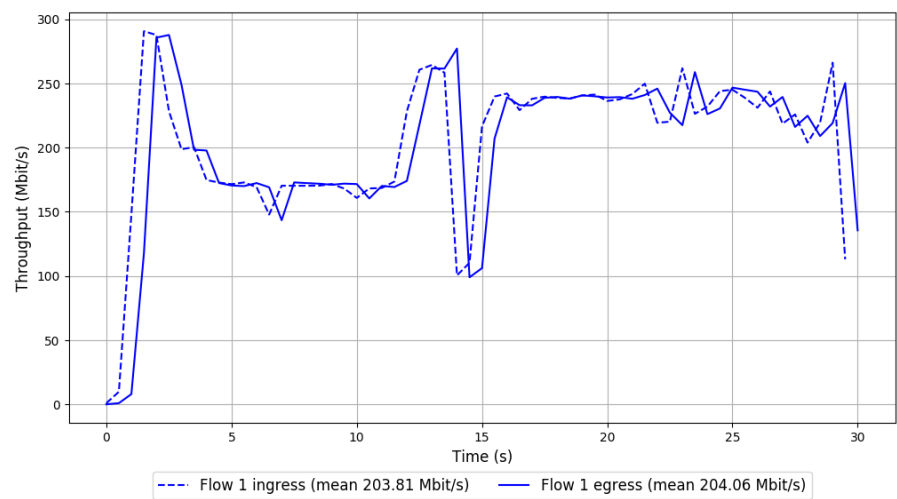


Run 5: Statistics of Copa

Start at: 2018-07-19 13:15:42
End at: 2018-07-19 13:16:12
Local clock offset: 0.167 ms
Remote clock offset: -1.268 ms

Below is generated by plot.py at 2018-07-19 15:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.06 Mbit/s
95th percentile per-packet one-way delay: 68.311 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 204.06 Mbit/s
95th percentile per-packet one-way delay: 68.311 ms
Loss rate: 0.17%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-19 13:37:56

End at: 2018-07-19 13:38:26

Local clock offset: 0.129 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2018-07-19 15:30:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.83 Mbit/s

95th percentile per-packet one-way delay: 70.723 ms

Loss rate: 0.88%

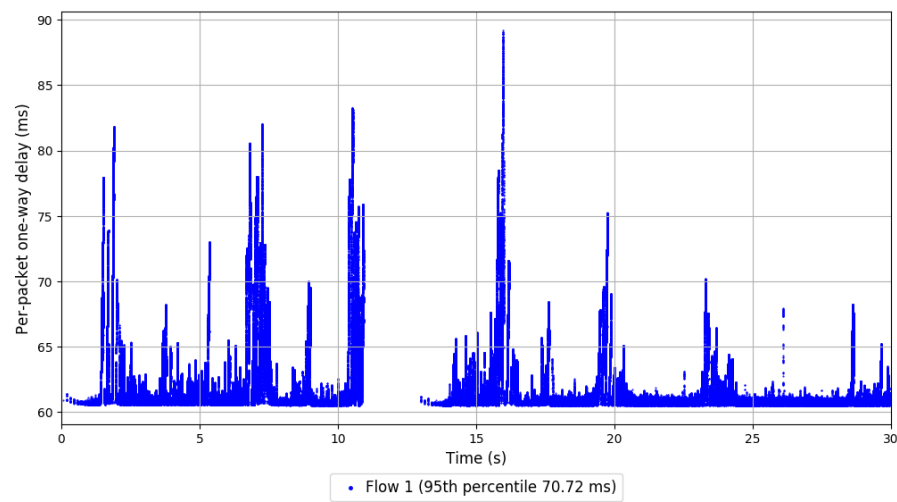
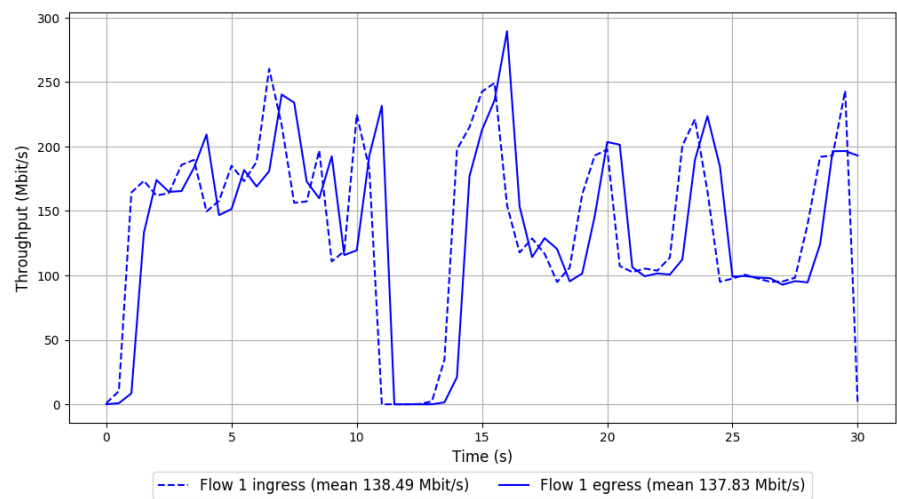
-- Flow 1:

Average throughput: 137.83 Mbit/s

95th percentile per-packet one-way delay: 70.723 ms

Loss rate: 0.88%

Run 6: Report of Copa — Data Link

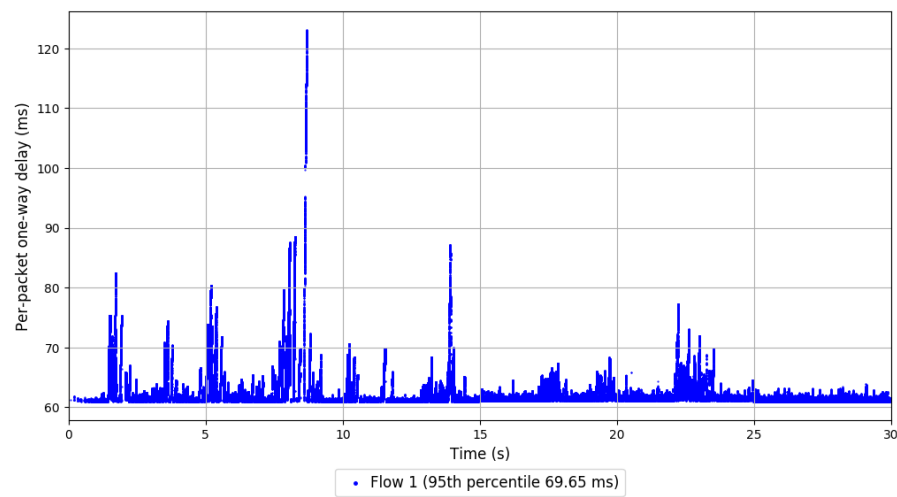
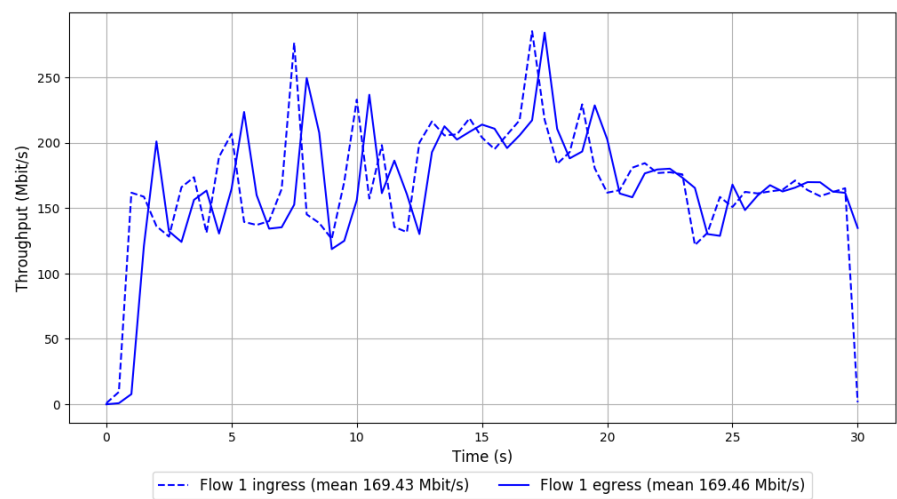


Run 7: Statistics of Copa

Start at: 2018-07-19 13:59:58
End at: 2018-07-19 14:00:28
Local clock offset: 0.026 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-19 15:32:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.46 Mbit/s
95th percentile per-packet one-way delay: 69.651 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 169.46 Mbit/s
95th percentile per-packet one-way delay: 69.651 ms
Loss rate: 0.40%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-19 14:22:03

End at: 2018-07-19 14:22:33

Local clock offset: -0.114 ms

Remote clock offset: 1.024 ms

Below is generated by plot.py at 2018-07-19 15:32:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.87 Mbit/s

95th percentile per-packet one-way delay: 71.880 ms

Loss rate: 0.61%

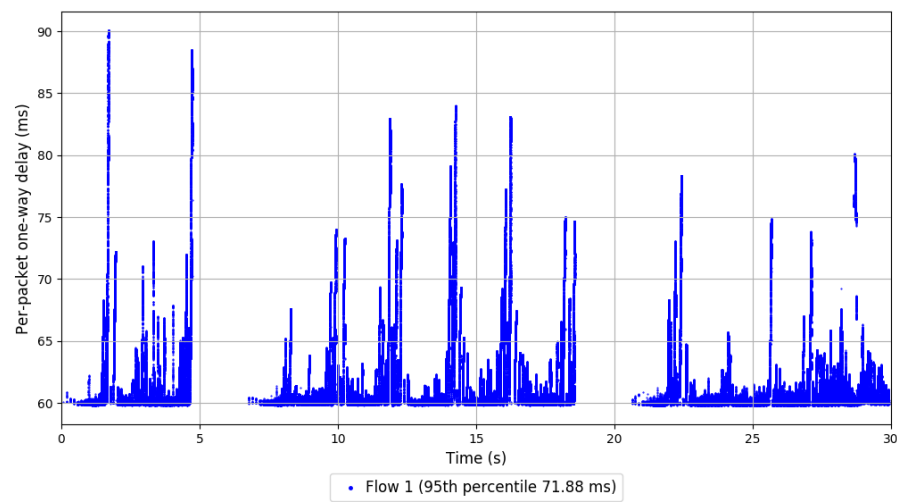
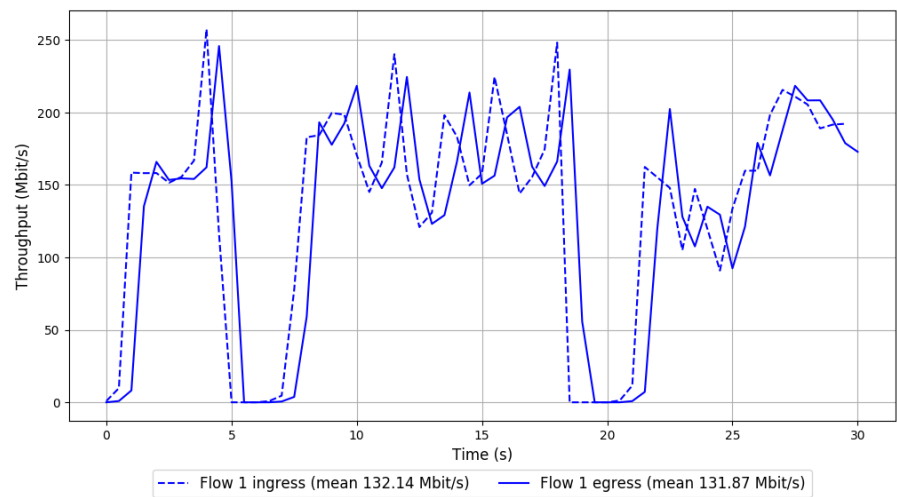
-- Flow 1:

Average throughput: 131.87 Mbit/s

95th percentile per-packet one-way delay: 71.880 ms

Loss rate: 0.61%

Run 8: Report of Copa — Data Link

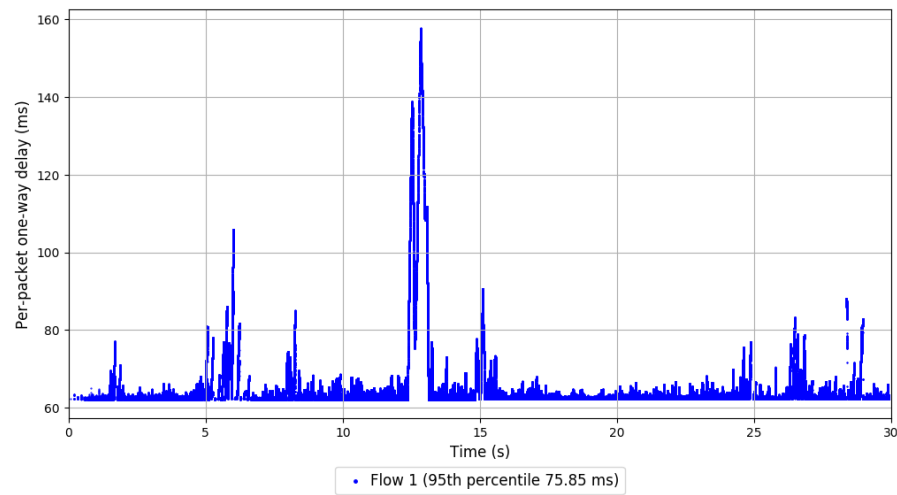
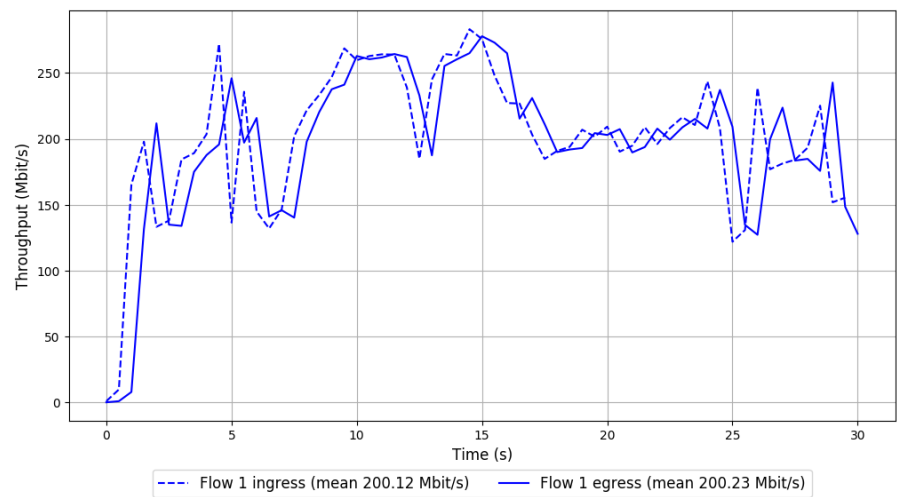


Run 9: Statistics of Copa

Start at: 2018-07-19 14:43:58
End at: 2018-07-19 14:44:28
Local clock offset: -0.02 ms
Remote clock offset: -1.358 ms

Below is generated by plot.py at 2018-07-19 15:35:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.23 Mbit/s
95th percentile per-packet one-way delay: 75.848 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 200.23 Mbit/s
95th percentile per-packet one-way delay: 75.848 ms
Loss rate: 0.35%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-19 15:06:05

End at: 2018-07-19 15:06:35

Local clock offset: 0.013 ms

Remote clock offset: 1.358 ms

Below is generated by plot.py at 2018-07-19 15:35:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.92 Mbit/s

95th percentile per-packet one-way delay: 63.202 ms

Loss rate: 0.40%

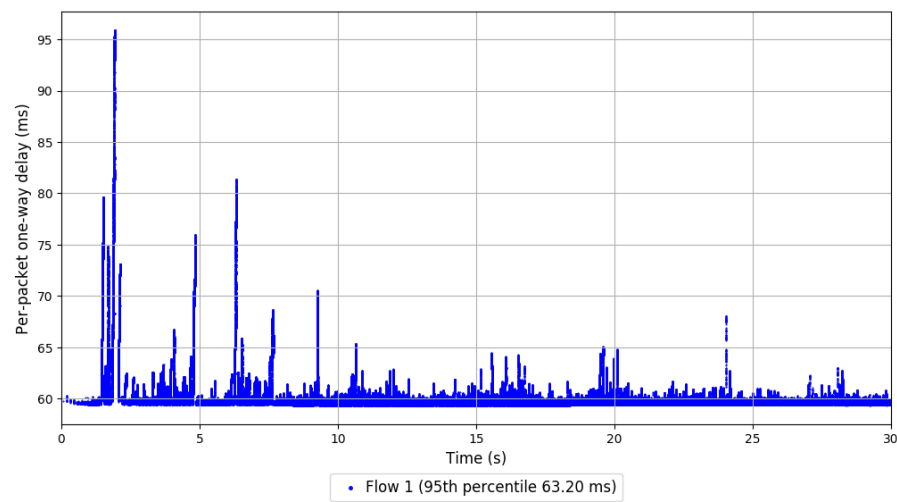
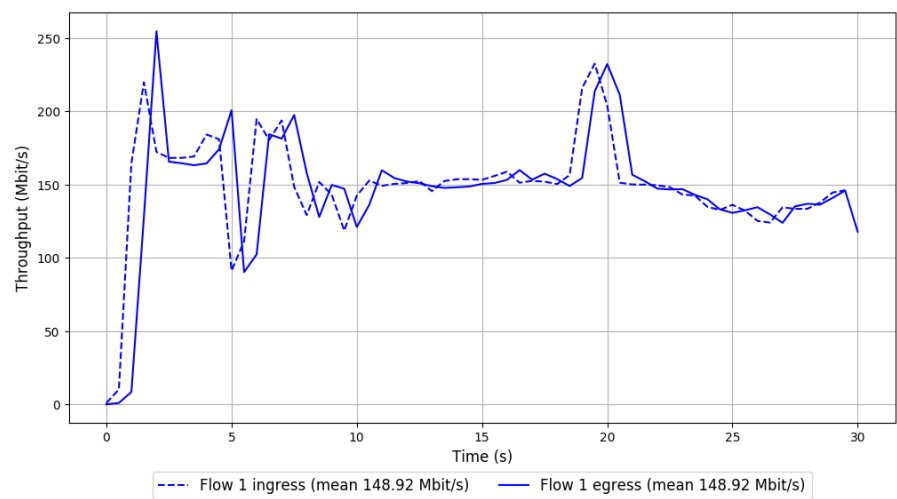
-- Flow 1:

Average throughput: 148.92 Mbit/s

95th percentile per-packet one-way delay: 63.202 ms

Loss rate: 0.40%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-19 11:42:22

End at: 2018-07-19 11:42:52

Local clock offset: -0.028 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-19 15:35:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.66 Mbit/s

95th percentile per-packet one-way delay: 72.639 ms

Loss rate: 0.44%

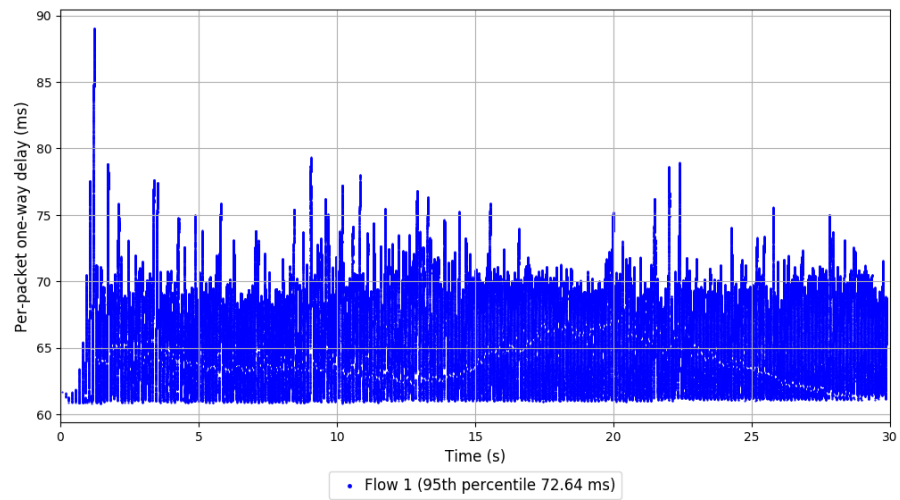
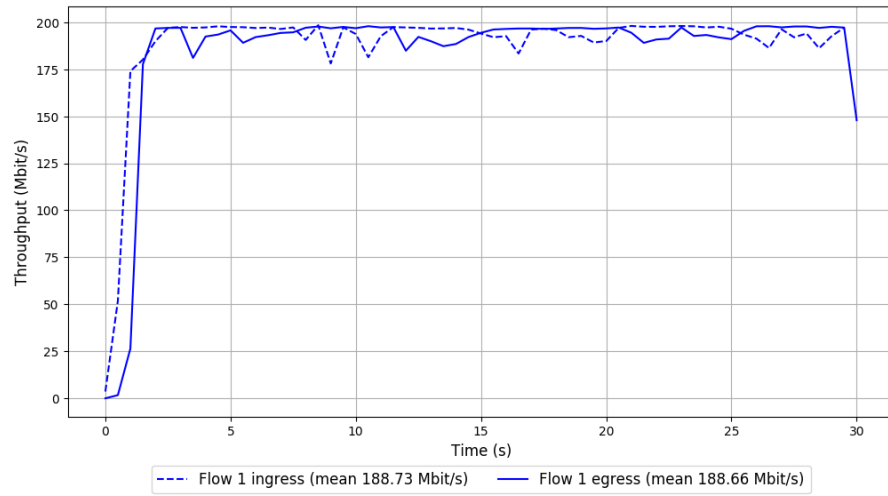
-- Flow 1:

Average throughput: 188.66 Mbit/s

95th percentile per-packet one-way delay: 72.639 ms

Loss rate: 0.44%

Run 1: Report of TCP Cubic — Data Link

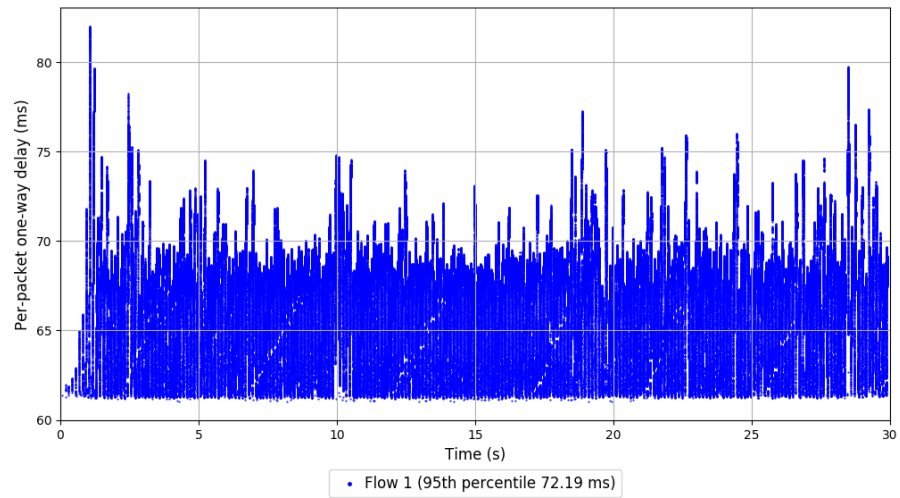
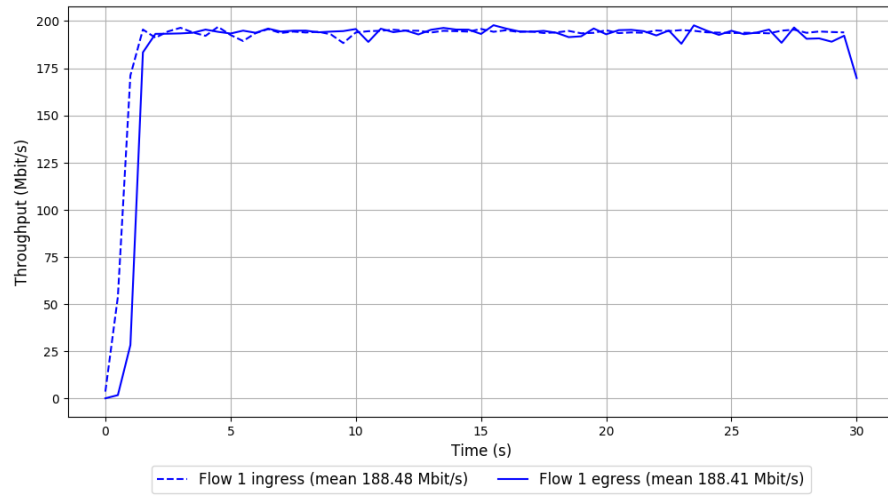


Run 2: Statistics of TCP Cubic

Start at: 2018-07-19 12:04:32
End at: 2018-07-19 12:05:02
Local clock offset: 0.03 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-19 15:35:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.41 Mbit/s
95th percentile per-packet one-way delay: 72.190 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 188.41 Mbit/s
95th percentile per-packet one-way delay: 72.190 ms
Loss rate: 0.43%

Run 2: Report of TCP Cubic — Data Link

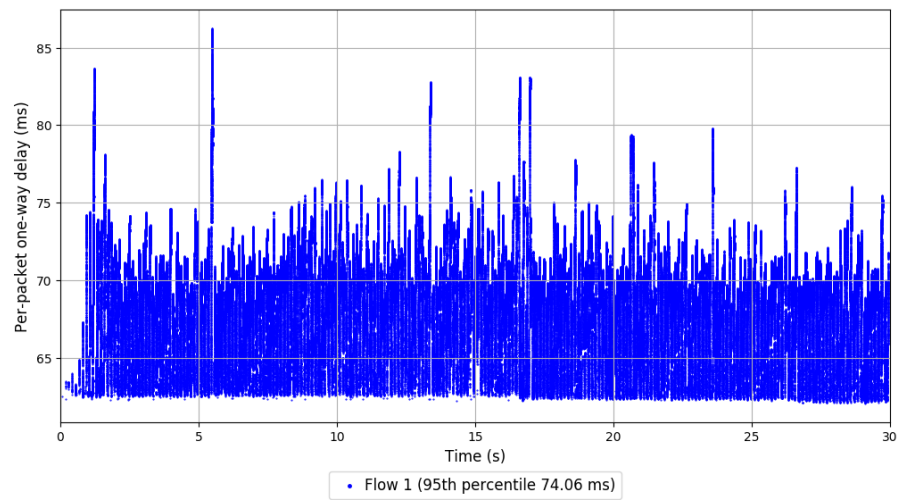
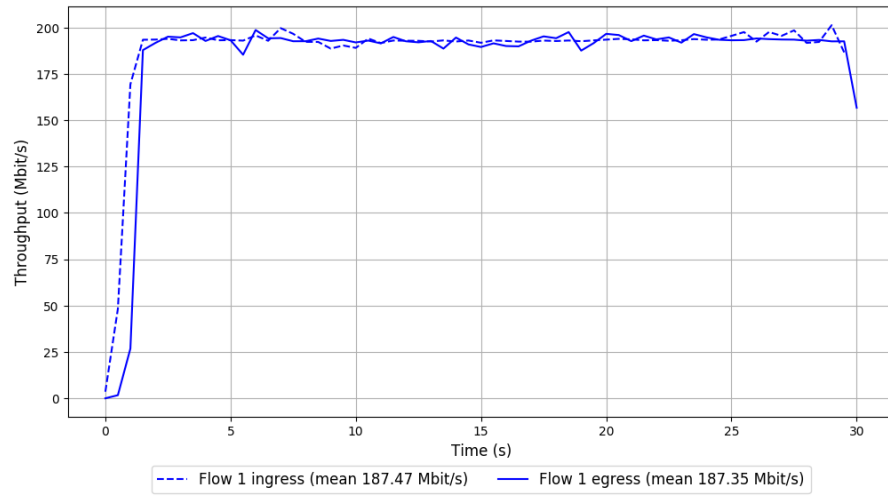


Run 3: Statistics of TCP Cubic

Start at: 2018-07-19 12:26:37
End at: 2018-07-19 12:27:07
Local clock offset: 0.057 ms
Remote clock offset: -1.337 ms

Below is generated by plot.py at 2018-07-19 15:35:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.35 Mbit/s
95th percentile per-packet one-way delay: 74.063 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 187.35 Mbit/s
95th percentile per-packet one-way delay: 74.063 ms
Loss rate: 0.47%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-19 12:48:35

End at: 2018-07-19 12:49:05

Local clock offset: 0.131 ms

Remote clock offset: 1.305 ms

Below is generated by plot.py at 2018-07-19 15:35:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.20 Mbit/s

95th percentile per-packet one-way delay: 74.908 ms

Loss rate: 0.44%

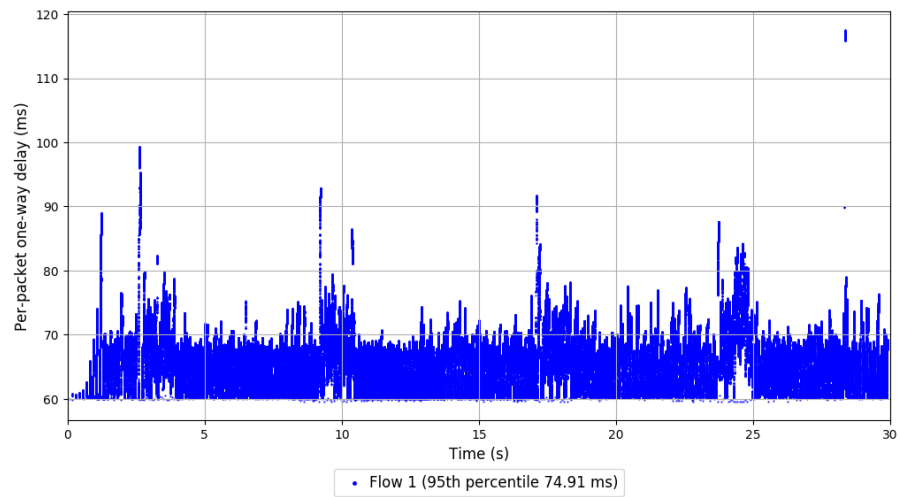
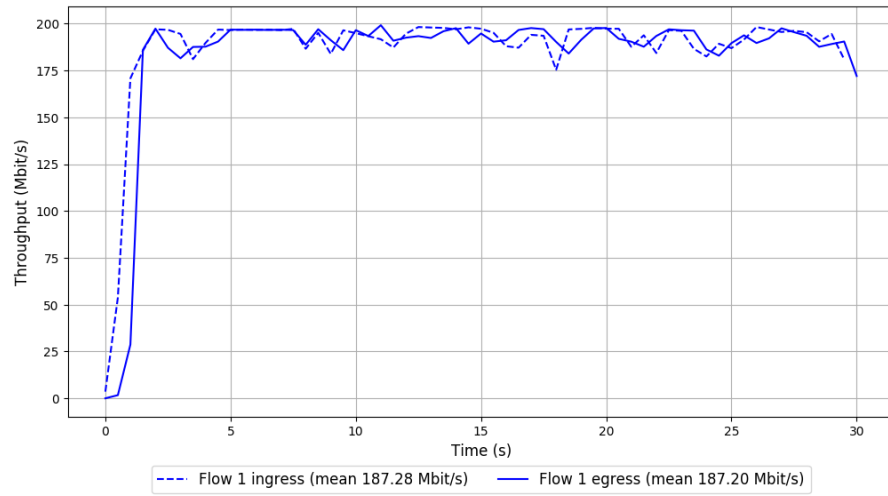
-- Flow 1:

Average throughput: 187.20 Mbit/s

95th percentile per-packet one-way delay: 74.908 ms

Loss rate: 0.44%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-19 13:10:37

End at: 2018-07-19 13:11:07

Local clock offset: 0.116 ms

Remote clock offset: 1.363 ms

Below is generated by plot.py at 2018-07-19 15:35:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.75 Mbit/s

95th percentile per-packet one-way delay: 70.716 ms

Loss rate: 0.43%

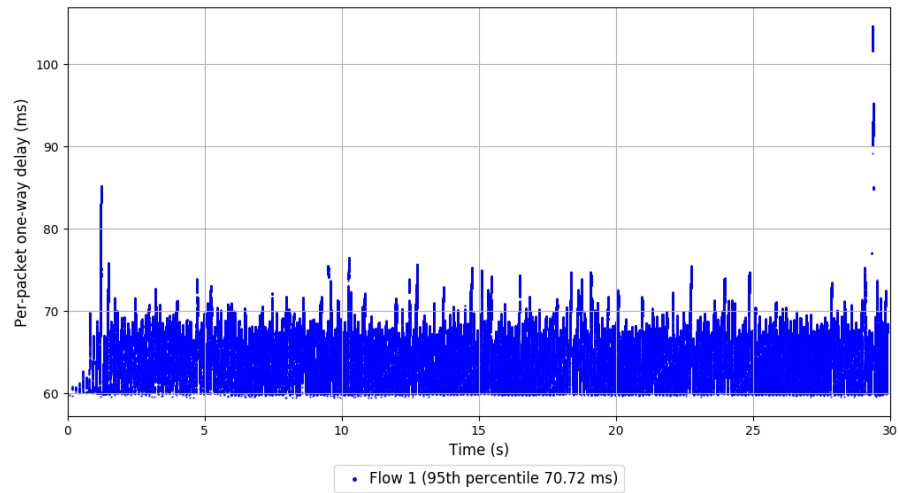
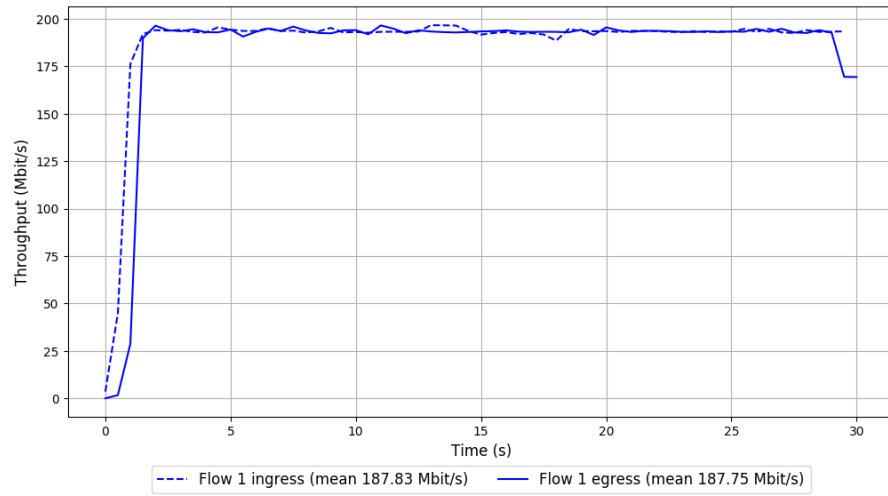
-- Flow 1:

Average throughput: 187.75 Mbit/s

95th percentile per-packet one-way delay: 70.716 ms

Loss rate: 0.43%

Run 5: Report of TCP Cubic — Data Link

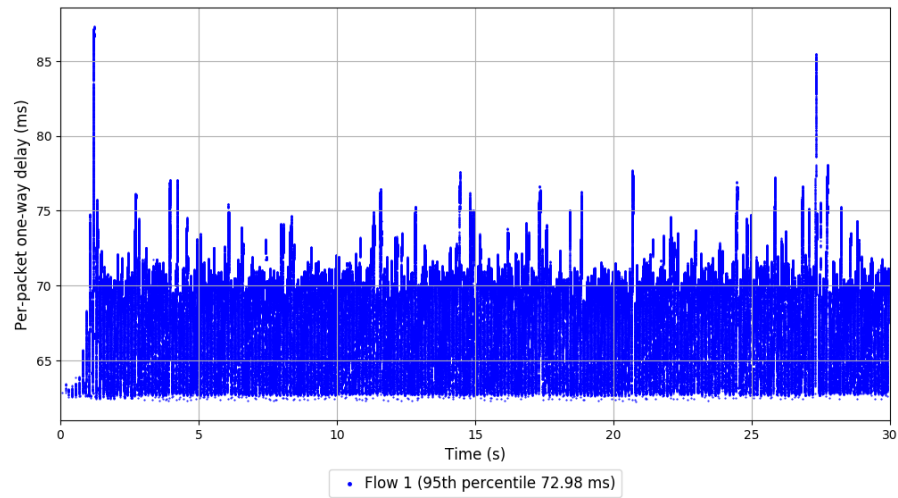
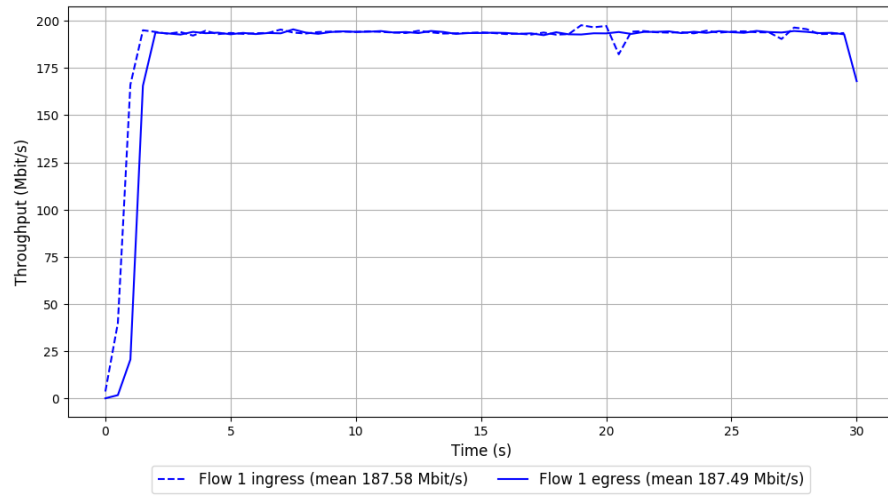


Run 6: Statistics of TCP Cubic

Start at: 2018-07-19 13:32:51
End at: 2018-07-19 13:33:21
Local clock offset: 0.164 ms
Remote clock offset: -1.536 ms

Below is generated by plot.py at 2018-07-19 15:35:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.49 Mbit/s
95th percentile per-packet one-way delay: 72.979 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 187.49 Mbit/s
95th percentile per-packet one-way delay: 72.979 ms
Loss rate: 0.44%

Run 6: Report of TCP Cubic — Data Link

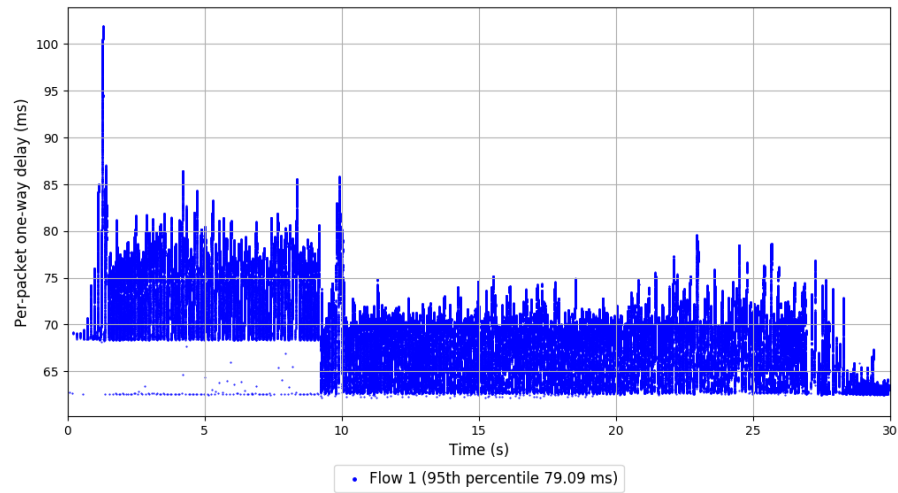
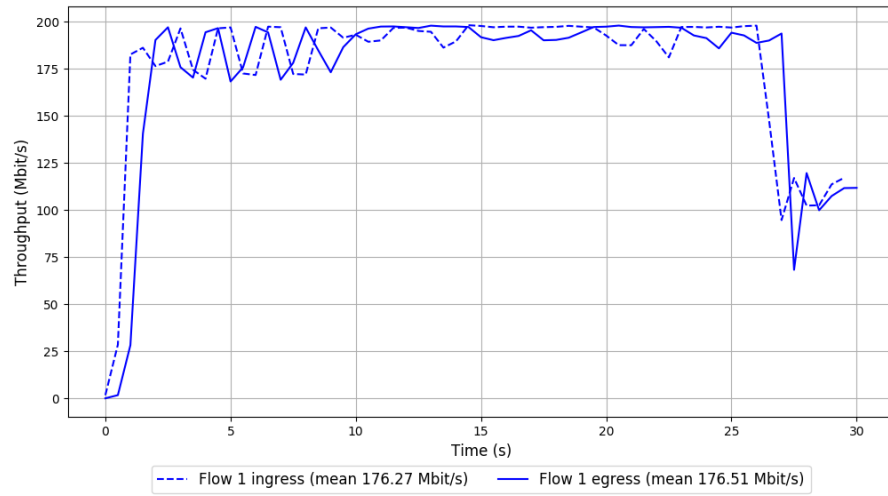


Run 7: Statistics of TCP Cubic

Start at: 2018-07-19 13:54:54
End at: 2018-07-19 13:55:24
Local clock offset: 0.081 ms
Remote clock offset: -1.466 ms

Below is generated by plot.py at 2018-07-19 15:35:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.51 Mbit/s
95th percentile per-packet one-way delay: 79.089 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 176.51 Mbit/s
95th percentile per-packet one-way delay: 79.089 ms
Loss rate: 0.27%

Run 7: Report of TCP Cubic — Data Link

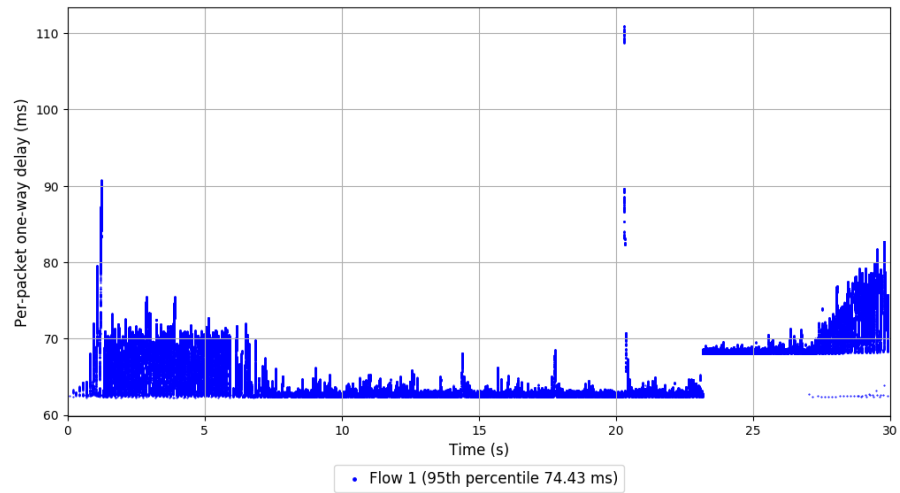
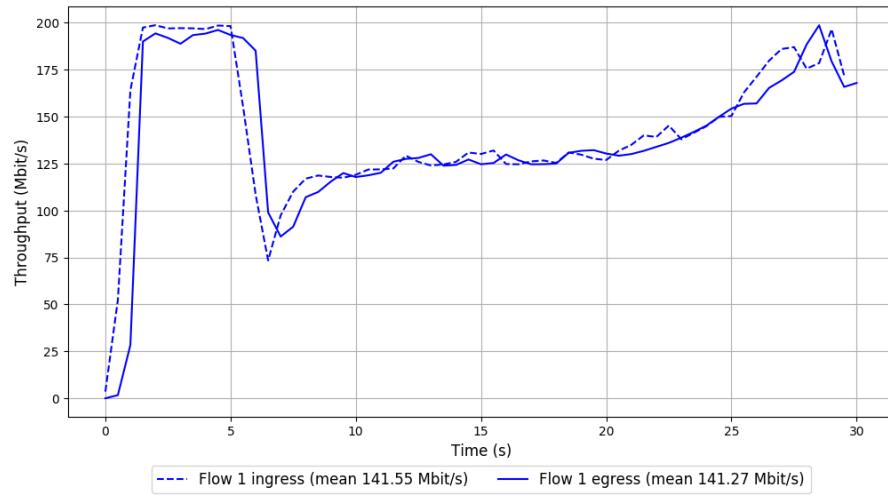


Run 8: Statistics of TCP Cubic

Start at: 2018-07-19 14:16:50
End at: 2018-07-19 14:17:20
Local clock offset: -0.093 ms
Remote clock offset: -1.386 ms

Below is generated by plot.py at 2018-07-19 15:35:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.27 Mbit/s
95th percentile per-packet one-way delay: 74.426 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 141.27 Mbit/s
95th percentile per-packet one-way delay: 74.426 ms
Loss rate: 0.59%

Run 8: Report of TCP Cubic — Data Link

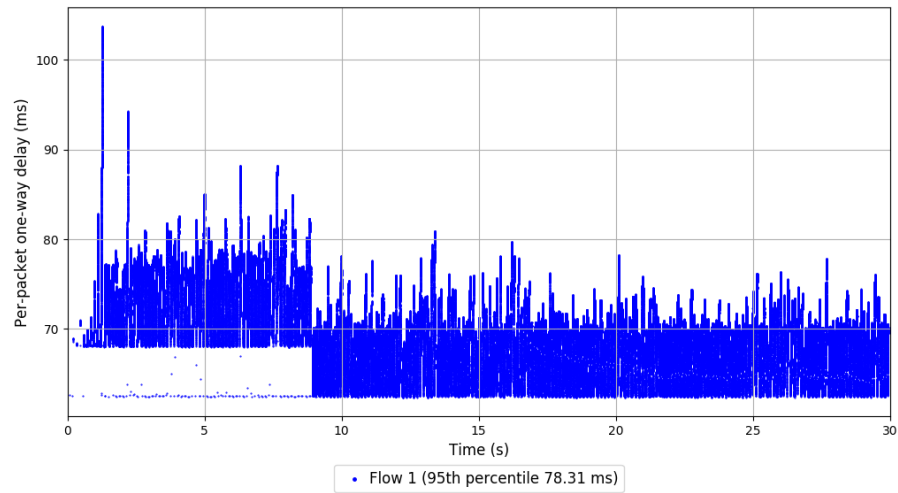
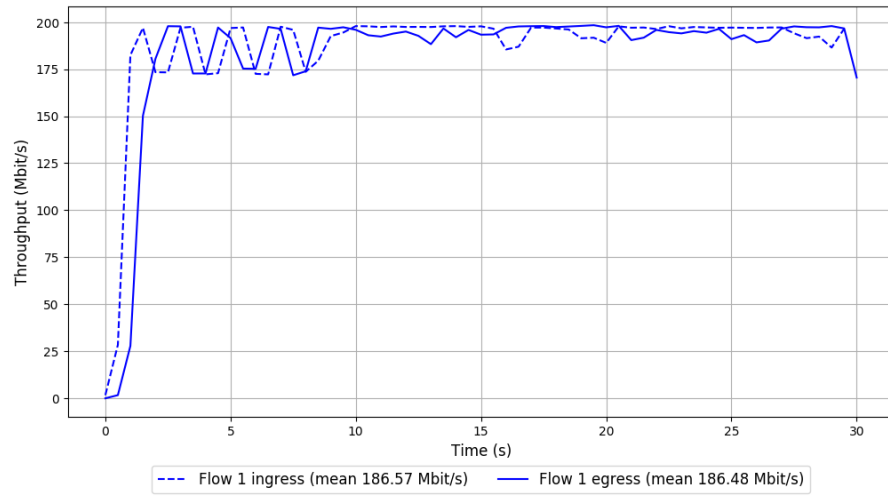


Run 9: Statistics of TCP Cubic

Start at: 2018-07-19 14:38:54
End at: 2018-07-19 14:39:25
Local clock offset: -0.079 ms
Remote clock offset: -1.441 ms

Below is generated by plot.py at 2018-07-19 15:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.48 Mbit/s
95th percentile per-packet one-way delay: 78.312 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 186.48 Mbit/s
95th percentile per-packet one-way delay: 78.312 ms
Loss rate: 0.45%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

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

End at: 2018-07-19 15:01:25

Local clock offset: -0.001 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-07-19 15:37:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.92 Mbit/s

95th percentile per-packet one-way delay: 71.086 ms

Loss rate: 0.43%

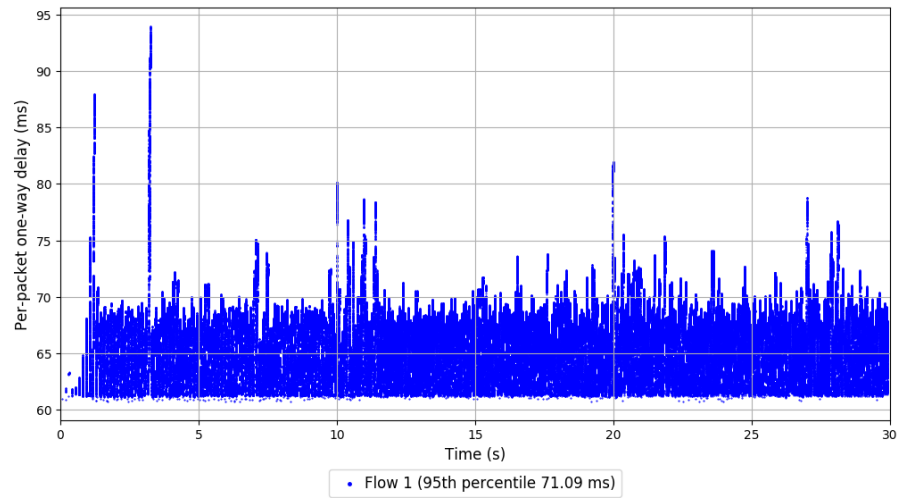
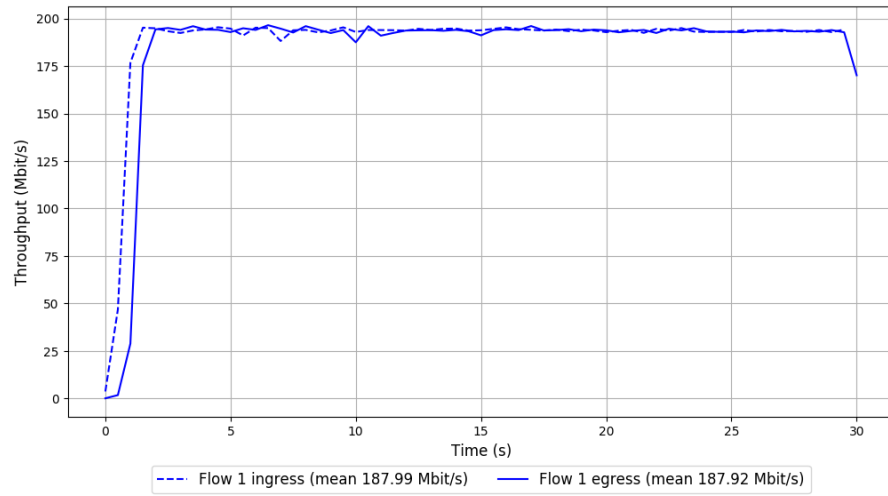
-- Flow 1:

Average throughput: 187.92 Mbit/s

95th percentile per-packet one-way delay: 71.086 ms

Loss rate: 0.43%

Run 10: Report of TCP Cubic — Data Link

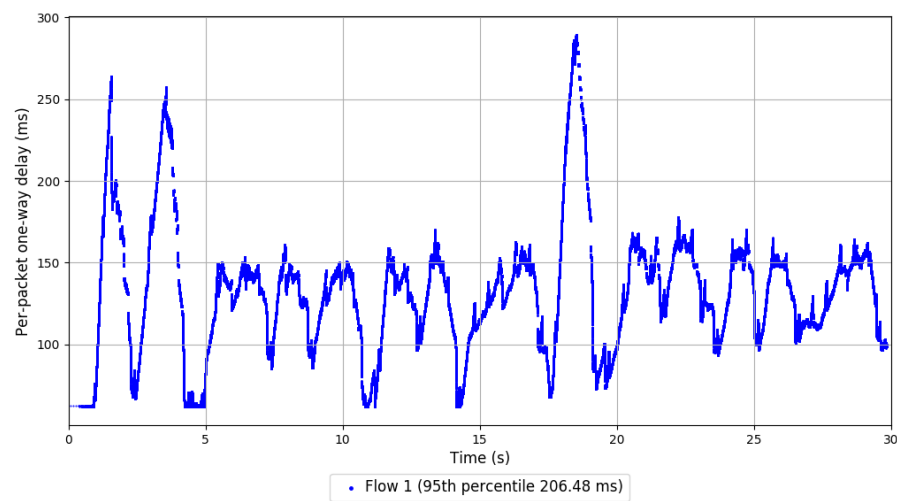
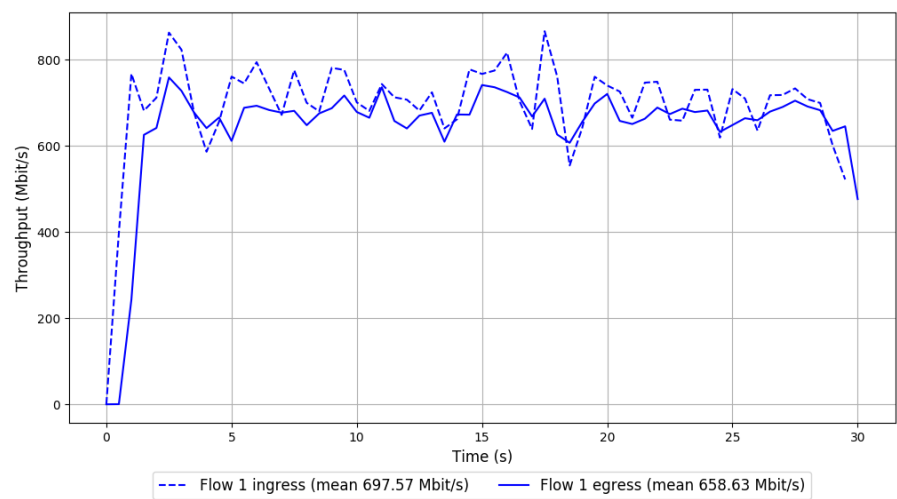


Run 1: Statistics of FillP

Start at: 2018-07-19 11:35:38
End at: 2018-07-19 11:36:08
Local clock offset: -0.007 ms
Remote clock offset: -1.032 ms

Below is generated by plot.py at 2018-07-19 15:51:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 658.63 Mbit/s
95th percentile per-packet one-way delay: 206.477 ms
Loss rate: 5.97%
-- Flow 1:
Average throughput: 658.63 Mbit/s
95th percentile per-packet one-way delay: 206.477 ms
Loss rate: 5.97%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-19 11:57:47

End at: 2018-07-19 11:58:17

Local clock offset: 0.043 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-19 15:52:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 768.56 Mbit/s

95th percentile per-packet one-way delay: 246.861 ms

Loss rate: 2.77%

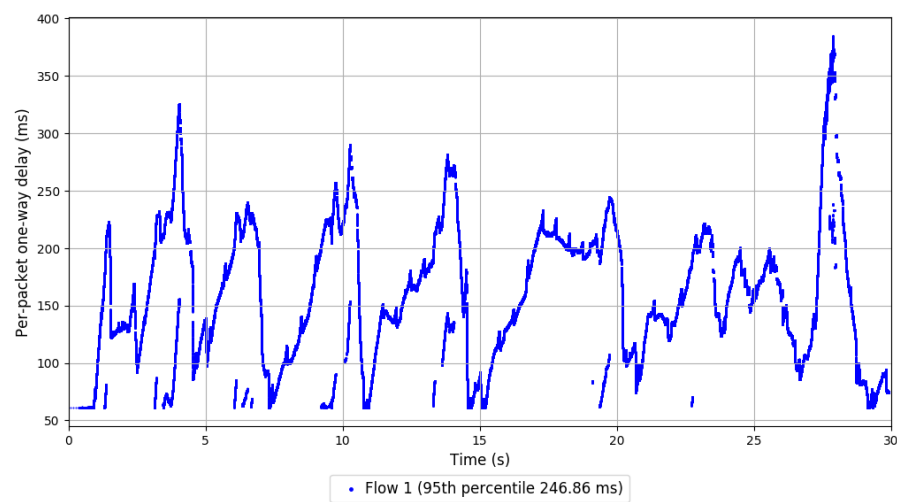
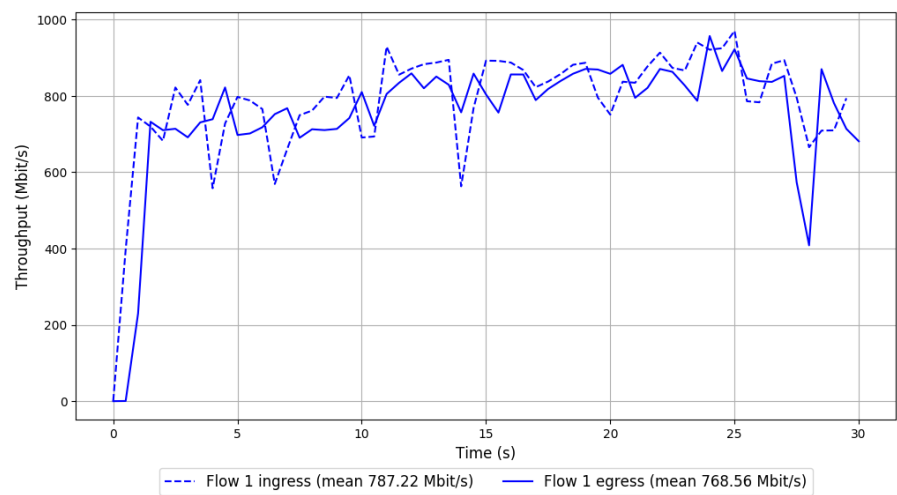
-- Flow 1:

Average throughput: 768.56 Mbit/s

95th percentile per-packet one-way delay: 246.861 ms

Loss rate: 2.77%

Run 2: Report of FillP — Data Link

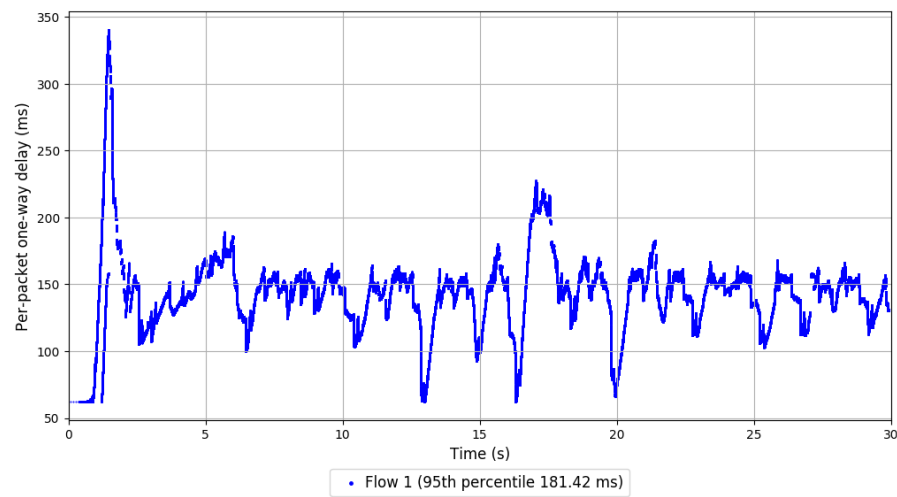
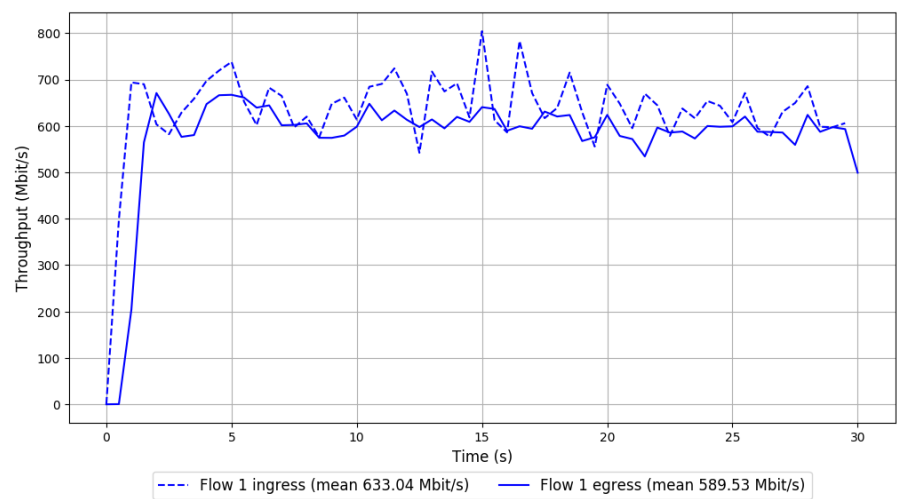


Run 3: Statistics of FillP

Start at: 2018-07-19 12:19:57
End at: 2018-07-19 12:20:27
Local clock offset: 0.066 ms
Remote clock offset: -1.186 ms

Below is generated by plot.py at 2018-07-19 15:52:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 589.53 Mbit/s
95th percentile per-packet one-way delay: 181.420 ms
Loss rate: 7.26%
-- Flow 1:
Average throughput: 589.53 Mbit/s
95th percentile per-packet one-way delay: 181.420 ms
Loss rate: 7.26%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-19 12:41:58

End at: 2018-07-19 12:42:28

Local clock offset: 0.101 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-19 15:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 752.99 Mbit/s

95th percentile per-packet one-way delay: 238.697 ms

Loss rate: 4.74%

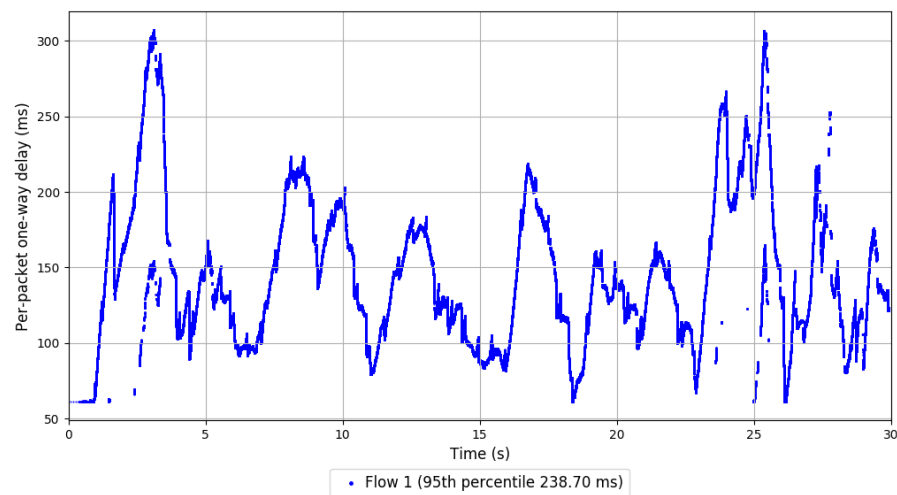
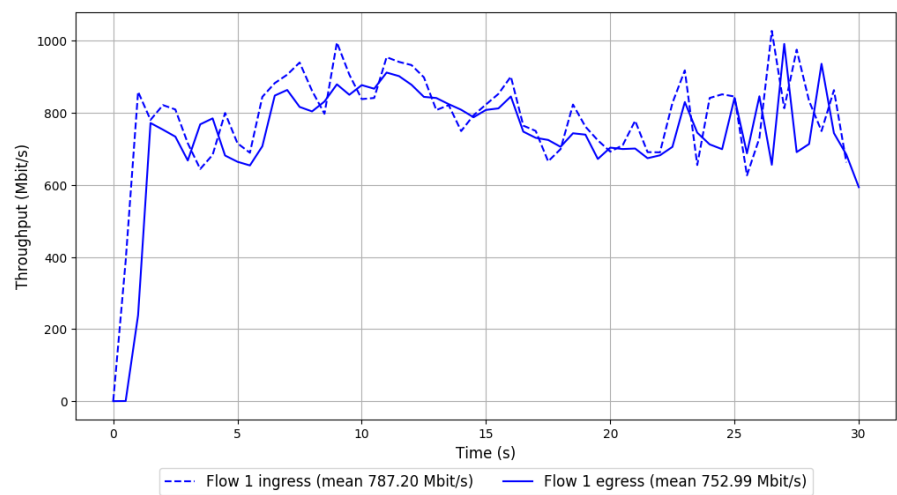
-- Flow 1:

Average throughput: 752.99 Mbit/s

95th percentile per-packet one-way delay: 238.697 ms

Loss rate: 4.74%

Run 4: Report of FillP — Data Link

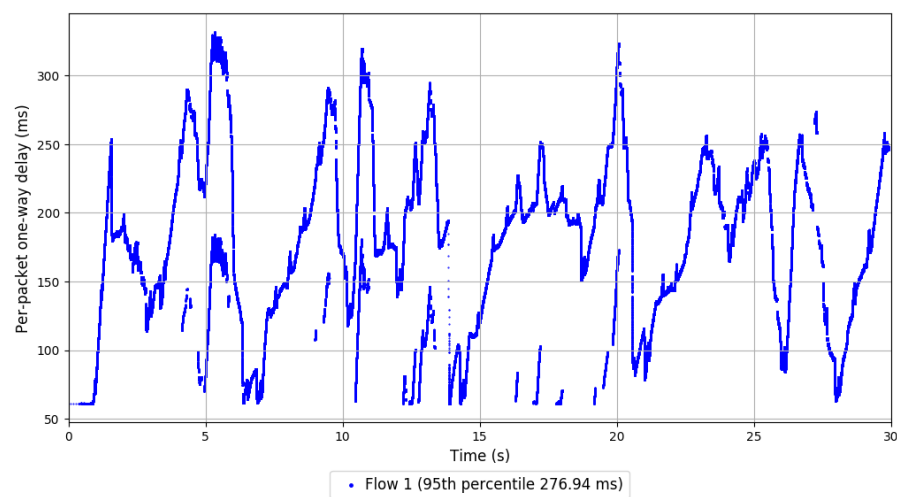
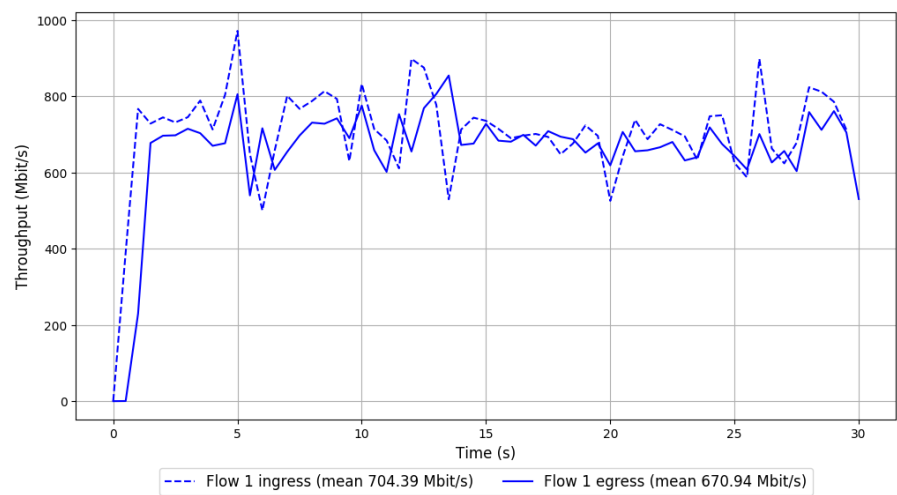


Run 5: Statistics of FillP

Start at: 2018-07-19 13:04:02
End at: 2018-07-19 13:04:32
Local clock offset: 0.127 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-19 15:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 670.94 Mbit/s
95th percentile per-packet one-way delay: 276.944 ms
Loss rate: 5.14%
-- Flow 1:
Average throughput: 670.94 Mbit/s
95th percentile per-packet one-way delay: 276.944 ms
Loss rate: 5.14%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-19 13:26:05

End at: 2018-07-19 13:26:35

Local clock offset: 0.17 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-19 15:53:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 769.76 Mbit/s

95th percentile per-packet one-way delay: 242.913 ms

Loss rate: 3.61%

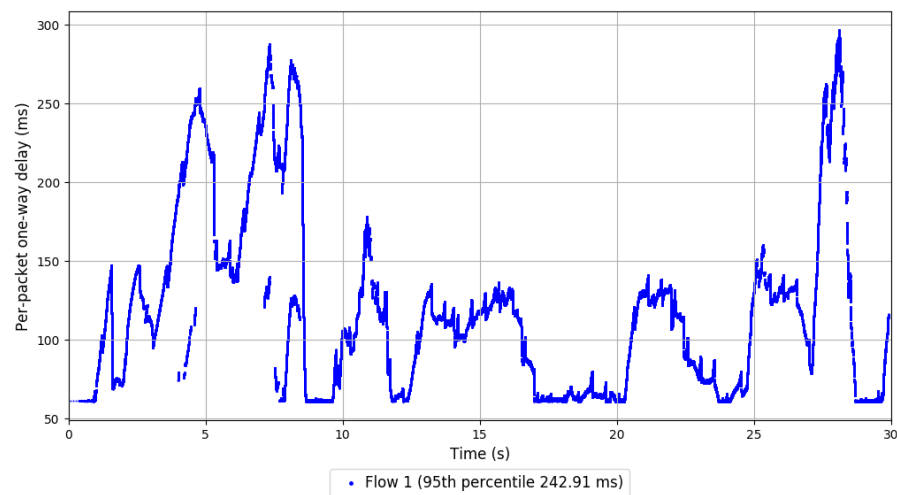
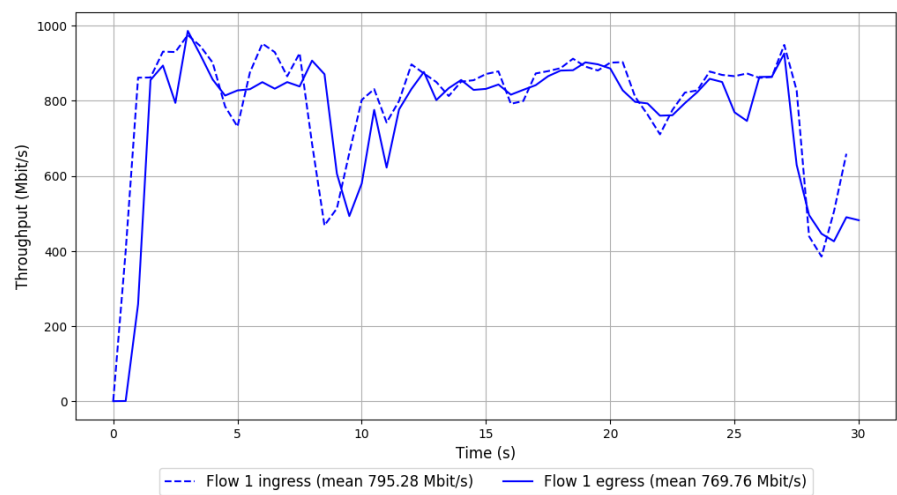
-- Flow 1:

Average throughput: 769.76 Mbit/s

95th percentile per-packet one-way delay: 242.913 ms

Loss rate: 3.61%

Run 6: Report of FillP — Data Link

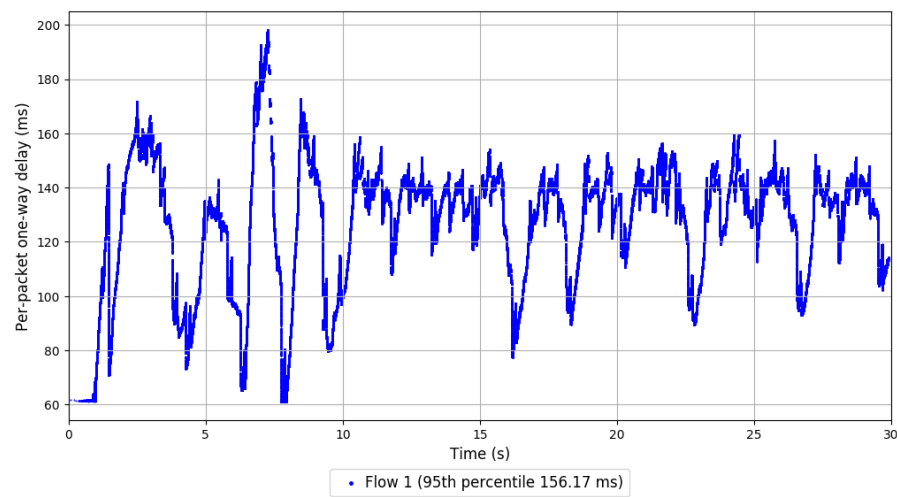
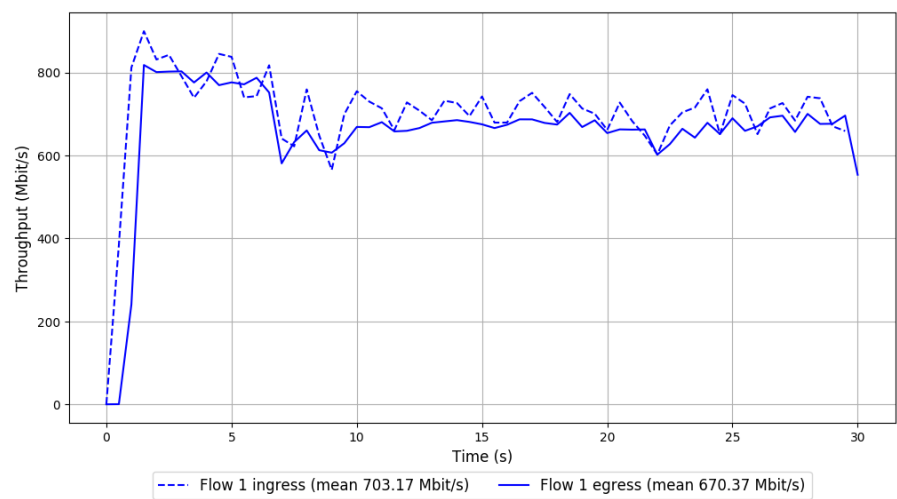


Run 7: Statistics of FillP

Start at: 2018-07-19 13:48:11
End at: 2018-07-19 13:48:41
Local clock offset: 0.173 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-19 15:53:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 670.37 Mbit/s
95th percentile per-packet one-way delay: 156.172 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 670.37 Mbit/s
95th percentile per-packet one-way delay: 156.172 ms
Loss rate: 5.06%

Run 7: Report of FillP — Data Link

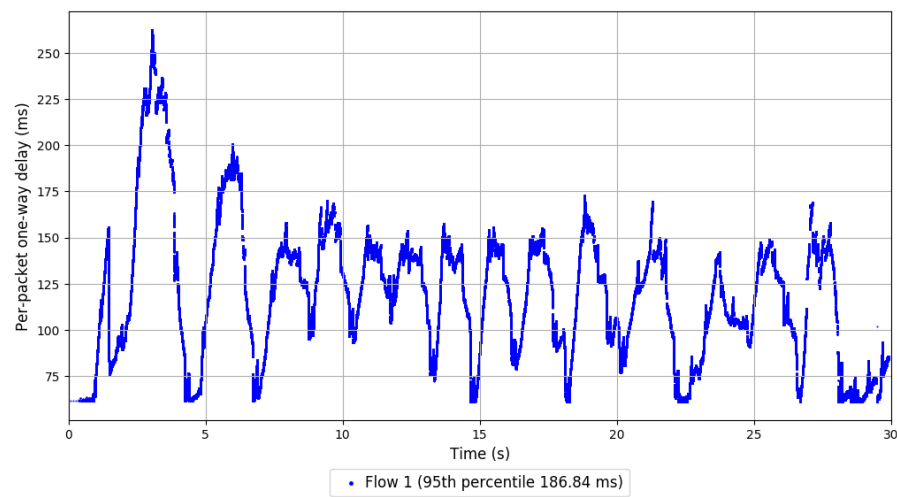
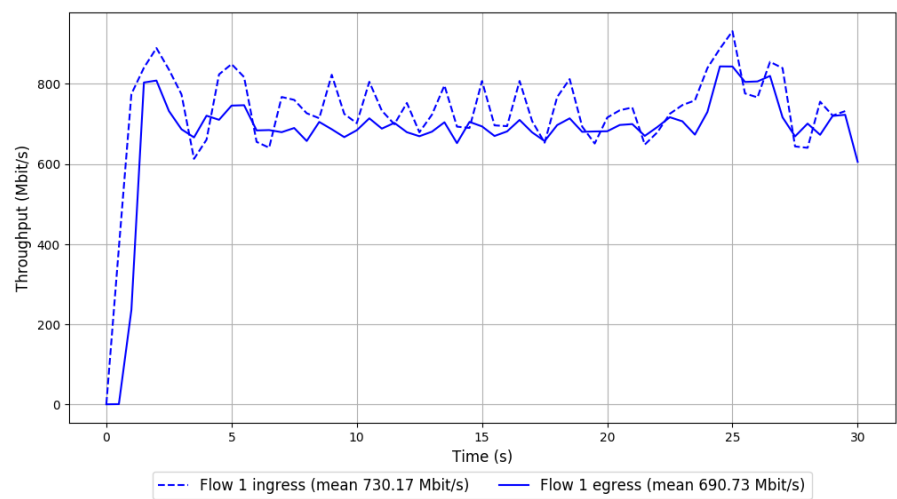


Run 8: Statistics of FillP

Start at: 2018-07-19 14:10:11
End at: 2018-07-19 14:10:41
Local clock offset: -0.034 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-07-19 15:53:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 690.73 Mbit/s
95th percentile per-packet one-way delay: 186.843 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 690.73 Mbit/s
95th percentile per-packet one-way delay: 186.843 ms
Loss rate: 5.79%

Run 8: Report of FillP — Data Link

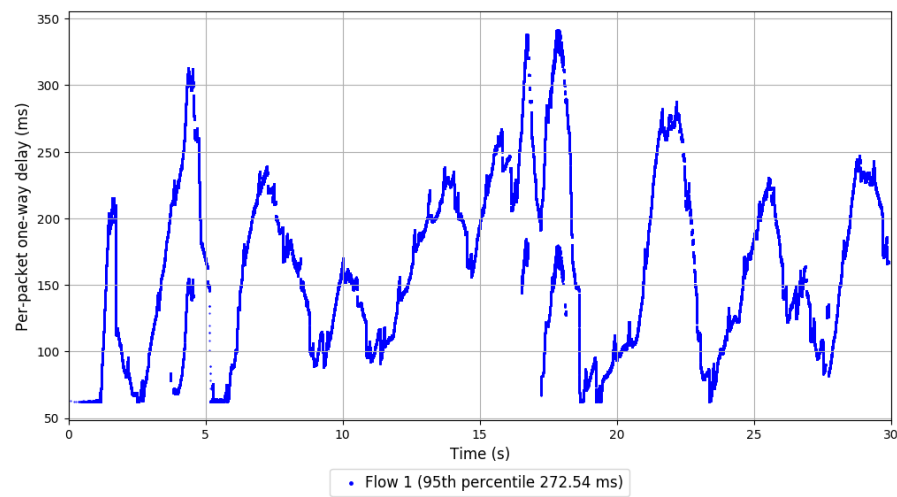
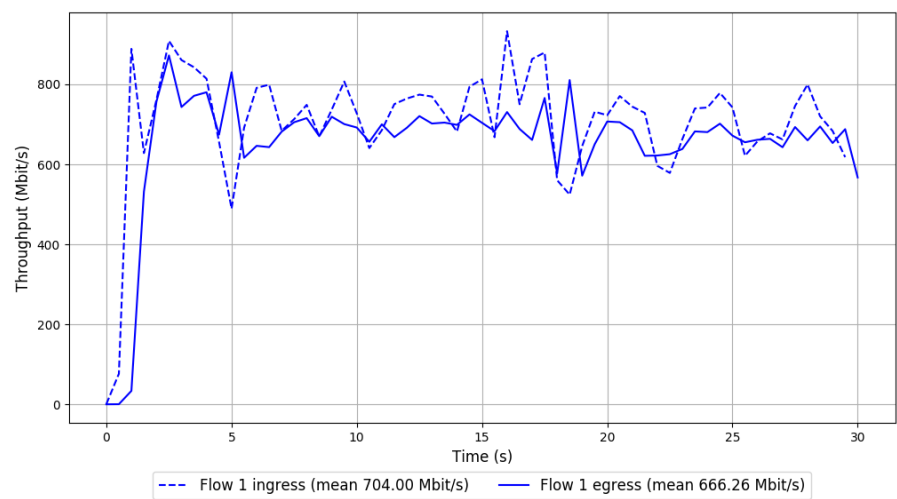


Run 9: Statistics of FillP

Start at: 2018-07-19 14:32:19
End at: 2018-07-19 14:32:49
Local clock offset: -0.05 ms
Remote clock offset: -1.349 ms

Below is generated by plot.py at 2018-07-19 16:05:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 666.26 Mbit/s
95th percentile per-packet one-way delay: 272.536 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 666.26 Mbit/s
95th percentile per-packet one-way delay: 272.536 ms
Loss rate: 5.75%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-19 14:54:23

End at: 2018-07-19 14:54:53

Local clock offset: 0.013 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2018-07-19 16:06:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 632.75 Mbit/s

95th percentile per-packet one-way delay: 232.573 ms

Loss rate: 6.86%

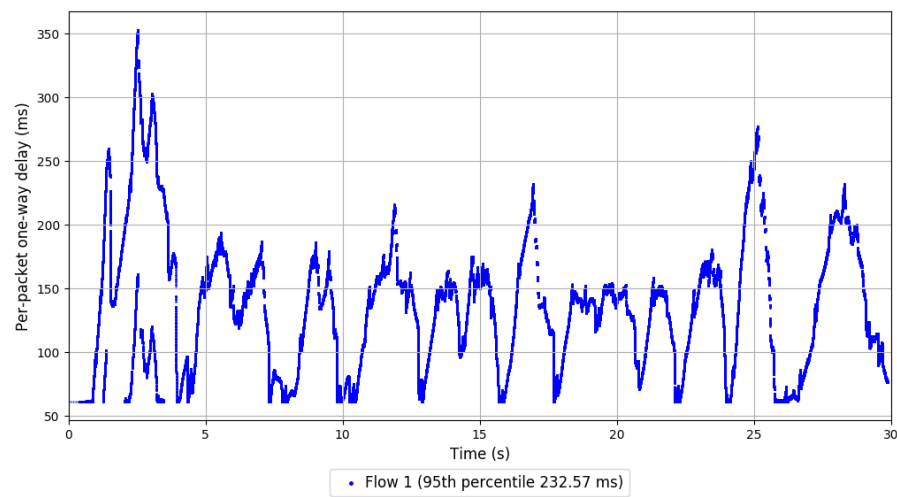
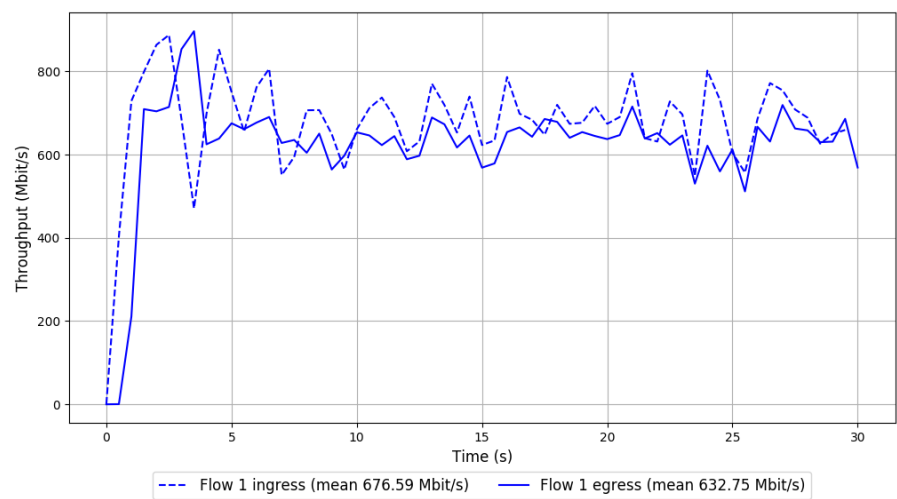
-- Flow 1:

Average throughput: 632.75 Mbit/s

95th percentile per-packet one-way delay: 232.573 ms

Loss rate: 6.86%

Run 10: Report of FillP — Data Link

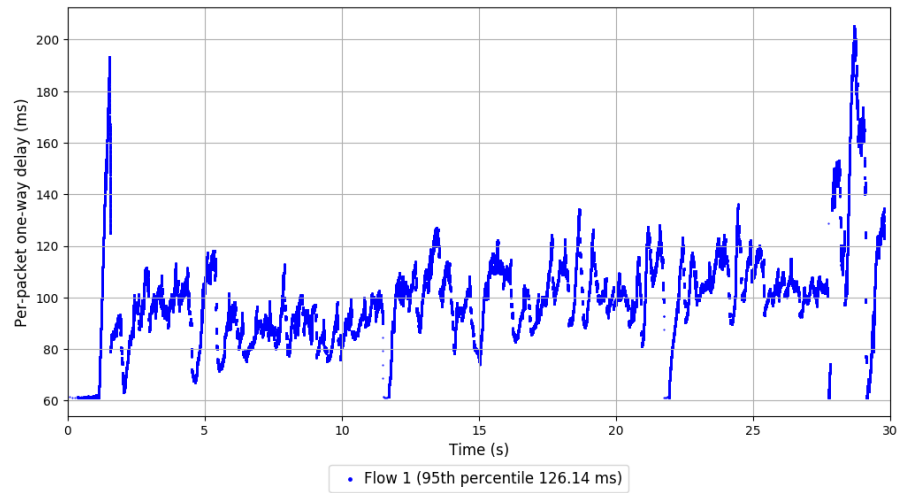
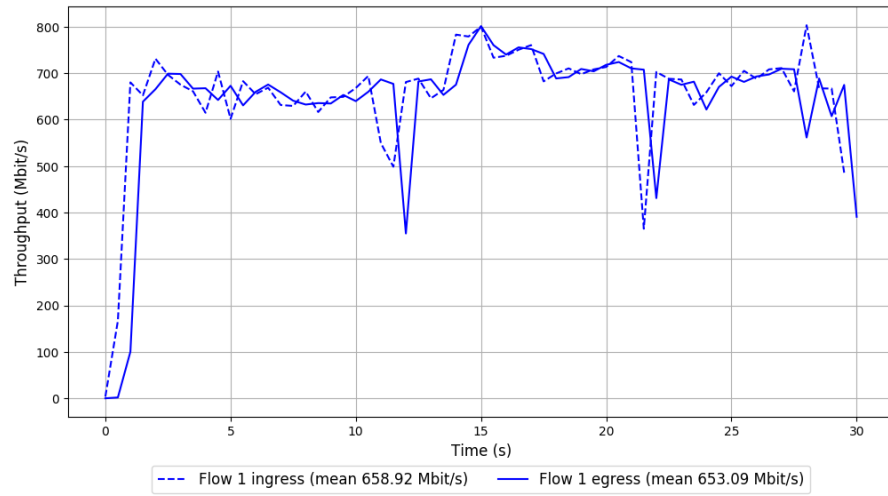


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-19 11:30:31
End at: 2018-07-19 11:31:01
Local clock offset: -0.048 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-19 16:07:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 653.09 Mbit/s
95th percentile per-packet one-way delay: 126.141 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 653.09 Mbit/s
95th percentile per-packet one-way delay: 126.141 ms
Loss rate: 1.29%

Run 1: Report of FillP-Sheep — Data Link

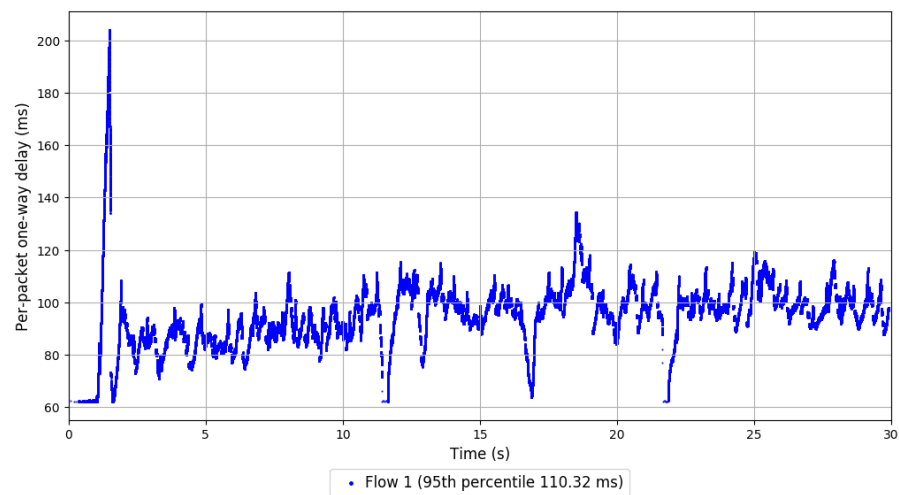
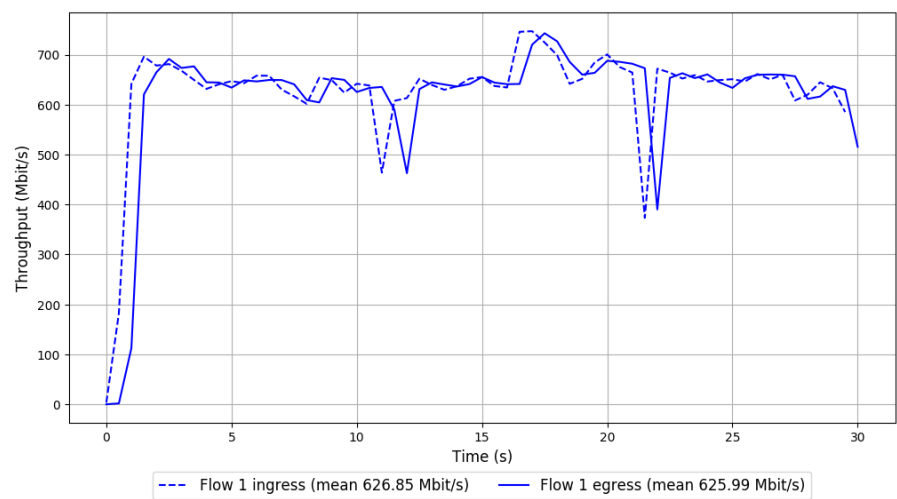


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-19 11:52:40
End at: 2018-07-19 11:53:10
Local clock offset: 0.001 ms
Remote clock offset: -1.394 ms

Below is generated by plot.py at 2018-07-19 16:07:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 625.99 Mbit/s
95th percentile per-packet one-way delay: 110.322 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 625.99 Mbit/s
95th percentile per-packet one-way delay: 110.322 ms
Loss rate: 0.55%

Run 2: Report of FillP-Sheep — Data Link

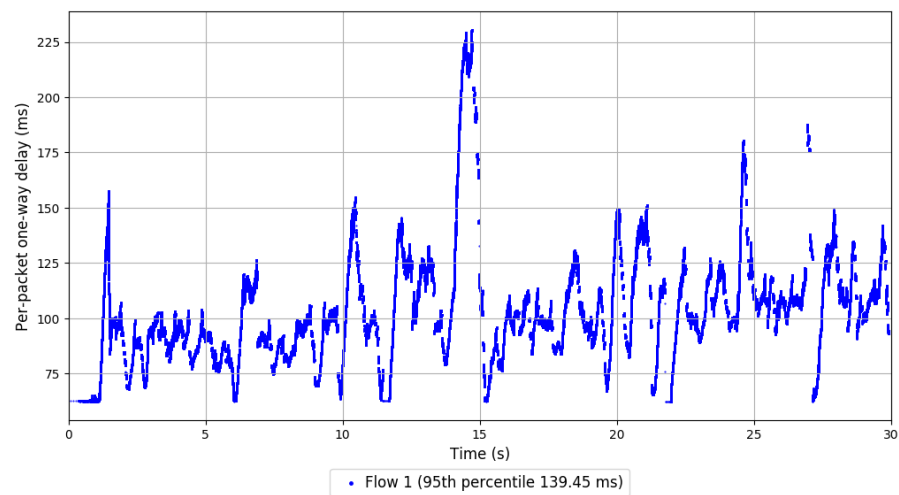
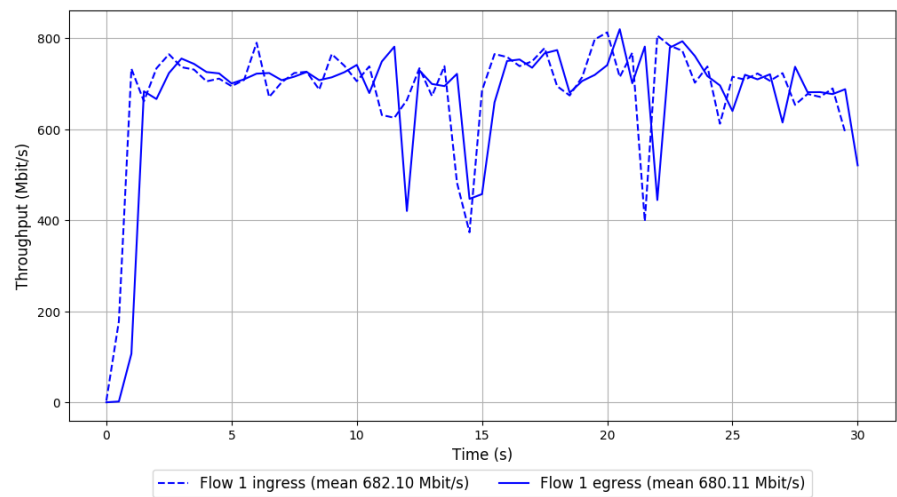


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-19 12:14:47
End at: 2018-07-19 12:15:17
Local clock offset: 0.038 ms
Remote clock offset: -1.486 ms

Below is generated by plot.py at 2018-07-19 16:08:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 680.11 Mbit/s
95th percentile per-packet one-way delay: 139.448 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 680.11 Mbit/s
95th percentile per-packet one-way delay: 139.448 ms
Loss rate: 0.70%

Run 3: Report of FillP-Sheep — Data Link

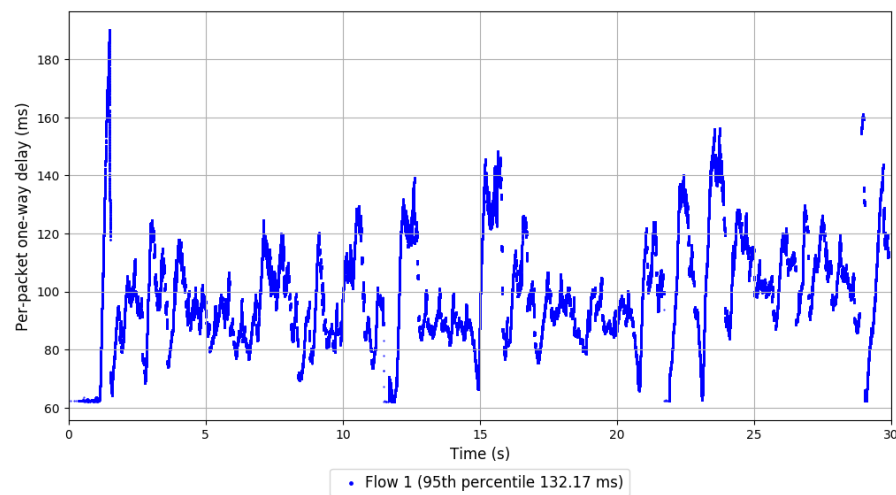
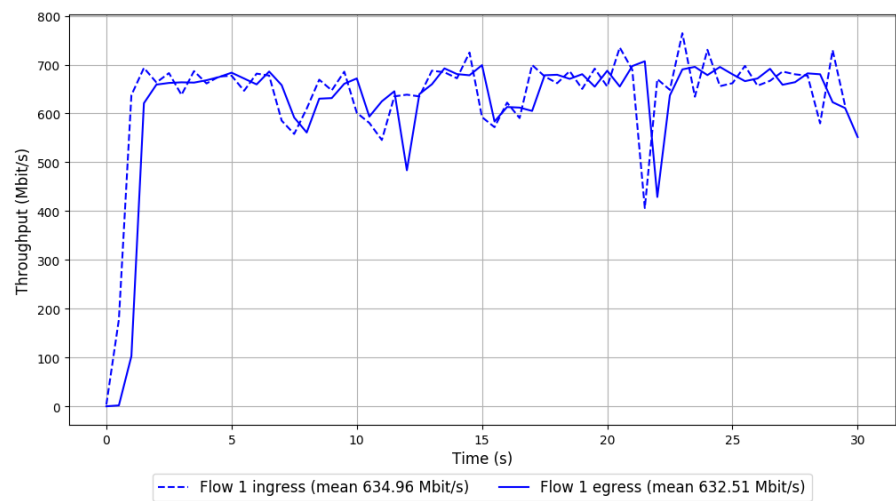


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-19 12:36:52
End at: 2018-07-19 12:37:22
Local clock offset: 0.099 ms
Remote clock offset: -1.308 ms

Below is generated by plot.py at 2018-07-19 16:08:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 632.51 Mbit/s
95th percentile per-packet one-way delay: 132.171 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 632.51 Mbit/s
95th percentile per-packet one-way delay: 132.171 ms
Loss rate: 0.78%

Run 4: Report of FillP-Sheep — Data Link

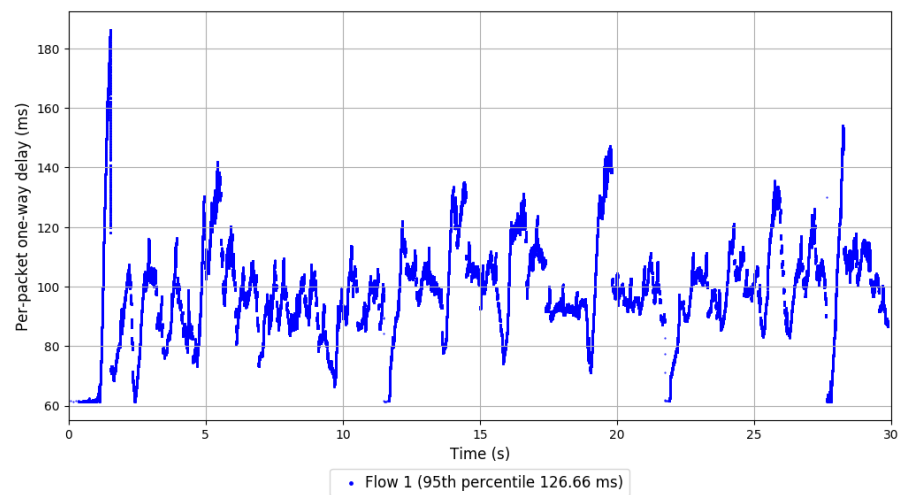
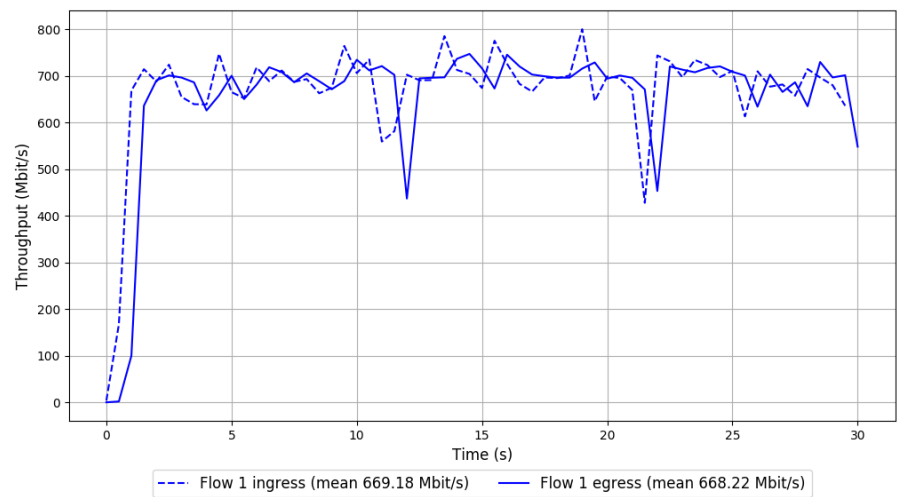


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-19 12:58:59
End at: 2018-07-19 12:59:29
Local clock offset: 0.138 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-07-19 16:09:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 668.22 Mbit/s
95th percentile per-packet one-way delay: 126.657 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 668.22 Mbit/s
95th percentile per-packet one-way delay: 126.657 ms
Loss rate: 0.55%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-19 13:20:58

End at: 2018-07-19 13:21:28

Local clock offset: 0.172 ms

Remote clock offset: -1.354 ms

Below is generated by plot.py at 2018-07-19 16:09:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 633.11 Mbit/s

95th percentile per-packet one-way delay: 117.687 ms

Loss rate: 0.57%

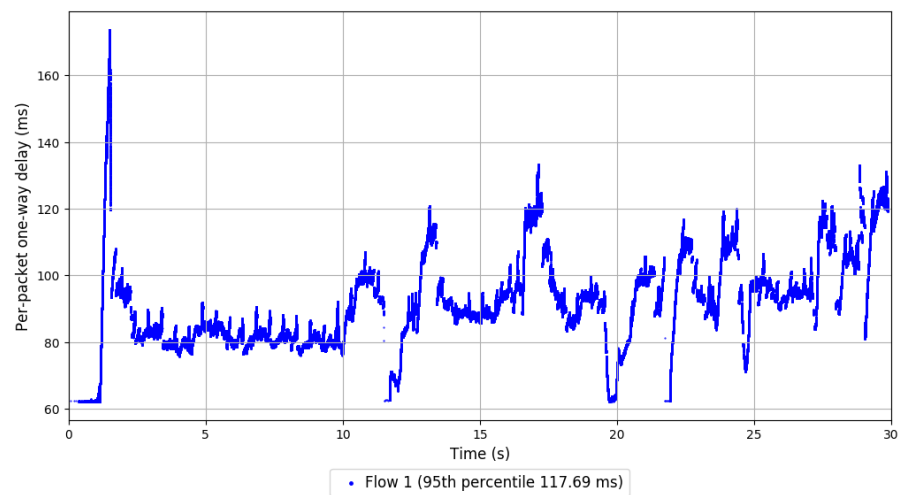
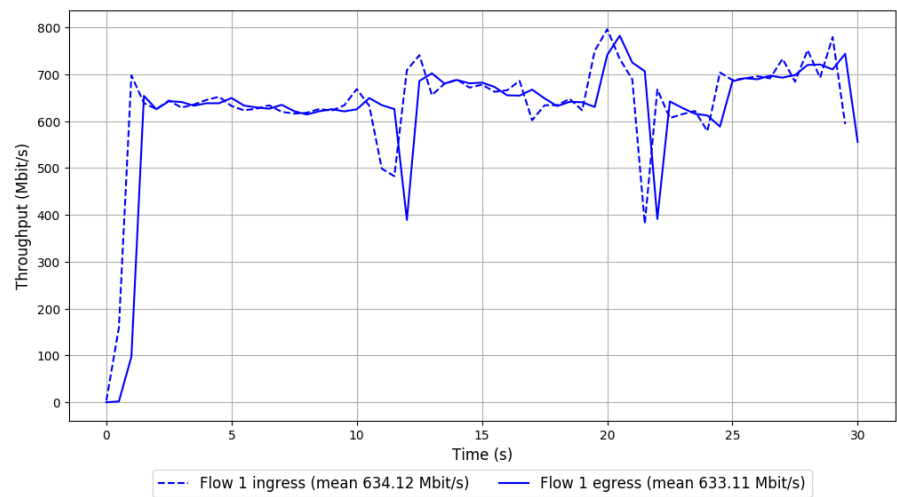
-- Flow 1:

Average throughput: 633.11 Mbit/s

95th percentile per-packet one-way delay: 117.687 ms

Loss rate: 0.57%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-19 13:43:04

End at: 2018-07-19 13:43:34

Local clock offset: 0.174 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-19 16:21:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 683.91 Mbit/s

95th percentile per-packet one-way delay: 129.112 ms

Loss rate: 0.62%

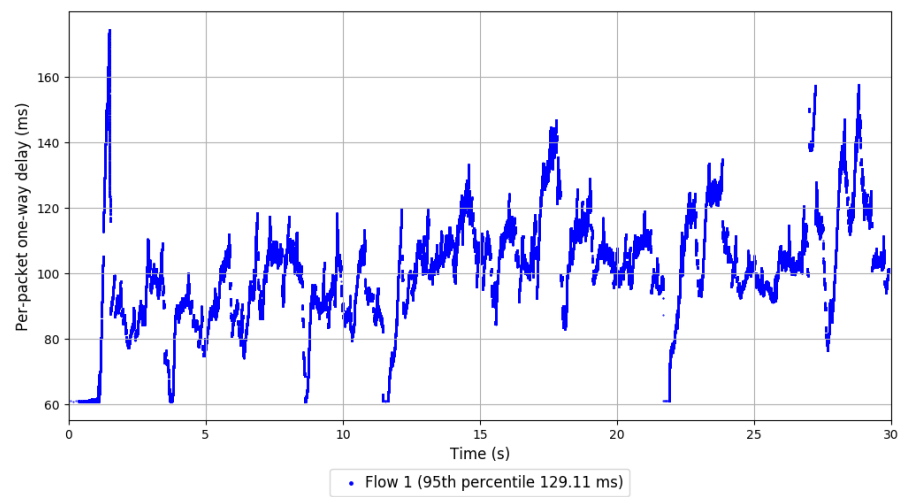
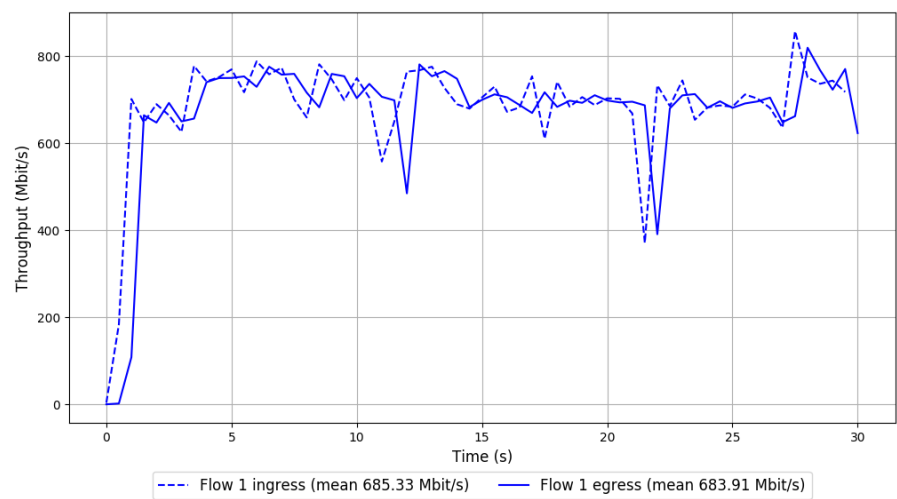
-- Flow 1:

Average throughput: 683.91 Mbit/s

95th percentile per-packet one-way delay: 129.112 ms

Loss rate: 0.62%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-19 14:05:09

End at: 2018-07-19 14:05:39

Local clock offset: -0.046 ms

Remote clock offset: 1.213 ms

Below is generated by plot.py at 2018-07-19 16:21:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 643.53 Mbit/s

95th percentile per-packet one-way delay: 123.468 ms

Loss rate: 0.66%

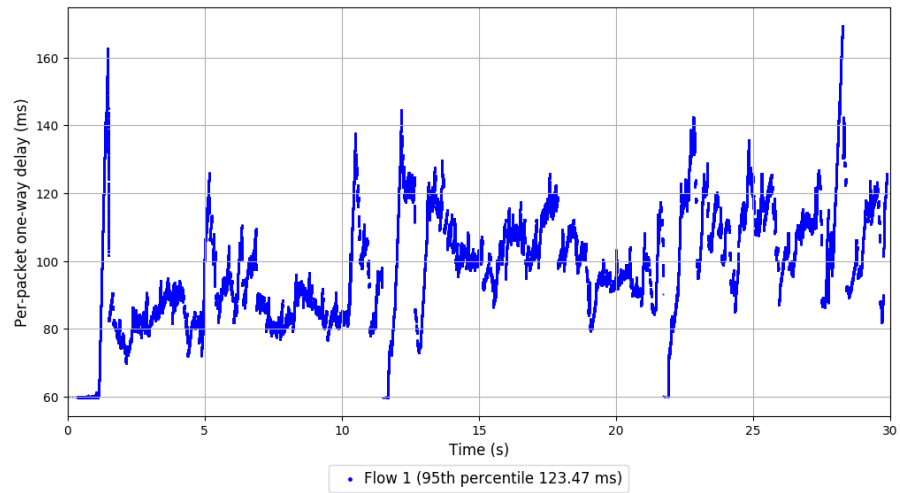
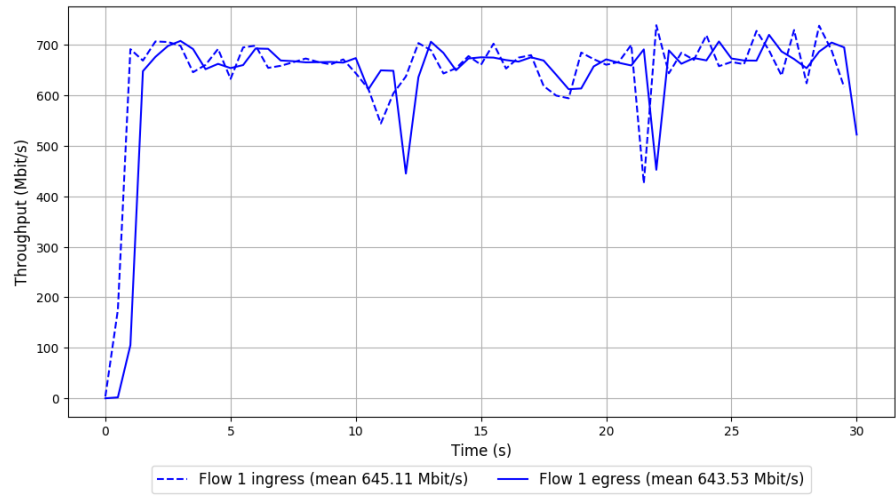
-- Flow 1:

Average throughput: 643.53 Mbit/s

95th percentile per-packet one-way delay: 123.468 ms

Loss rate: 0.66%

Run 8: Report of FillP-Sheep — Data Link

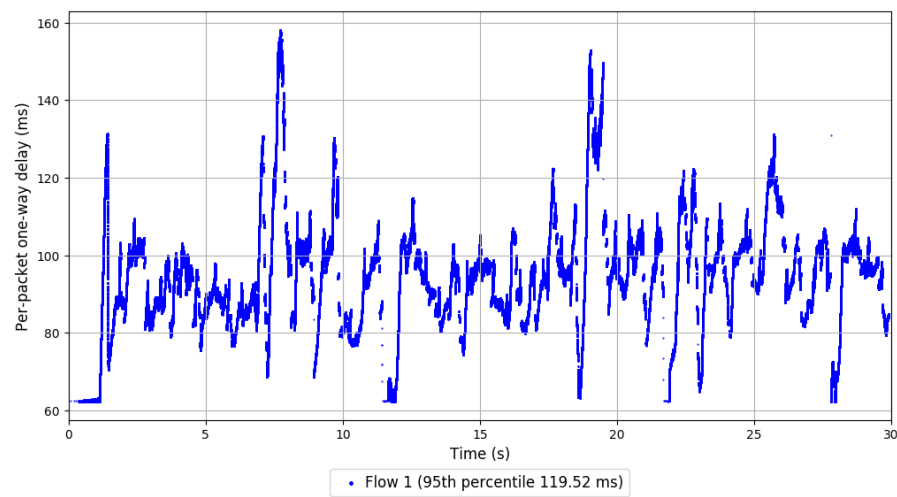
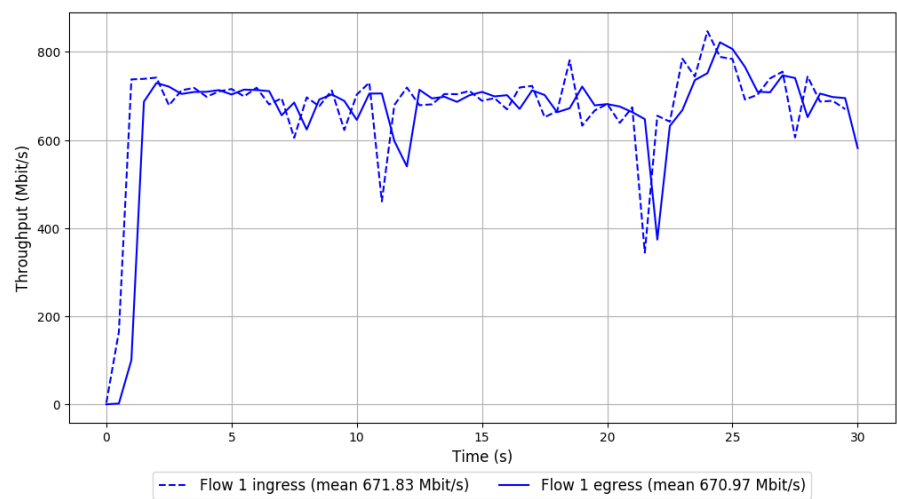


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-19 14:27:10
End at: 2018-07-19 14:27:40
Local clock offset: -0.109 ms
Remote clock offset: -1.393 ms

Below is generated by plot.py at 2018-07-19 16:23:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 670.97 Mbit/s
95th percentile per-packet one-way delay: 119.518 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 670.97 Mbit/s
95th percentile per-packet one-way delay: 119.518 ms
Loss rate: 0.54%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-19 14:49:15

End at: 2018-07-19 14:49:45

Local clock offset: -0.013 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 636.71 Mbit/s

95th percentile per-packet one-way delay: 132.355 ms

Loss rate: 0.78%

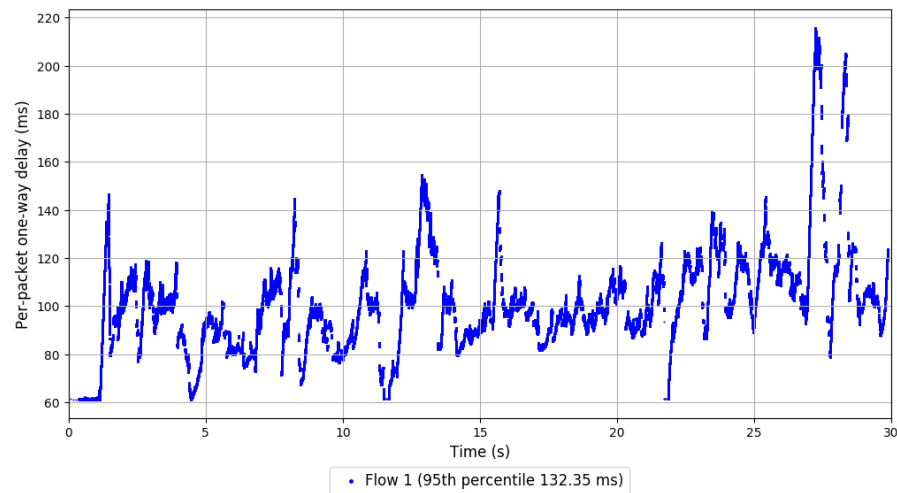
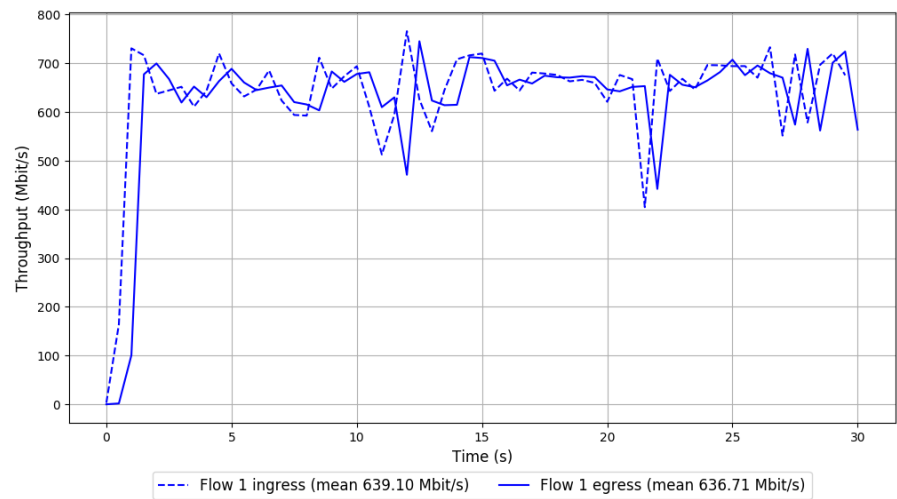
-- Flow 1:

Average throughput: 636.71 Mbit/s

95th percentile per-packet one-way delay: 132.355 ms

Loss rate: 0.78%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-19 11:27:43

End at: 2018-07-19 11:28:13

Local clock offset: -0.011 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.00 Mbit/s

95th percentile per-packet one-way delay: 62.114 ms

Loss rate: 0.48%

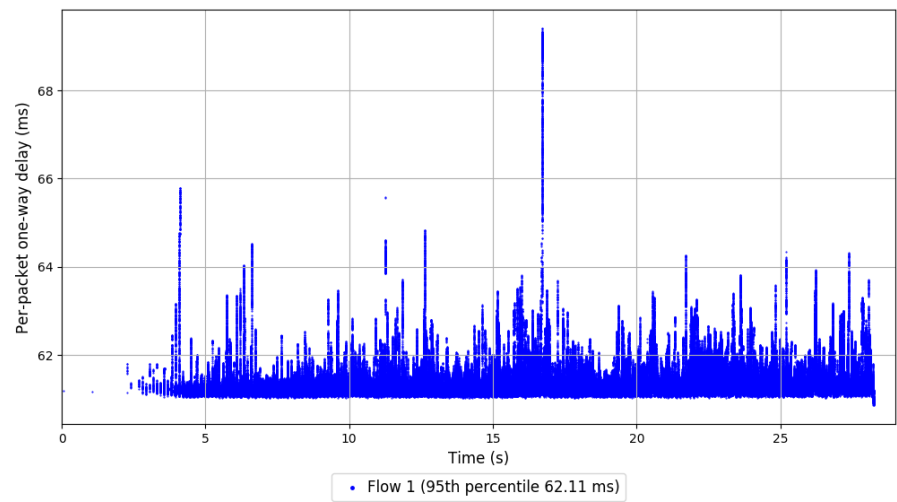
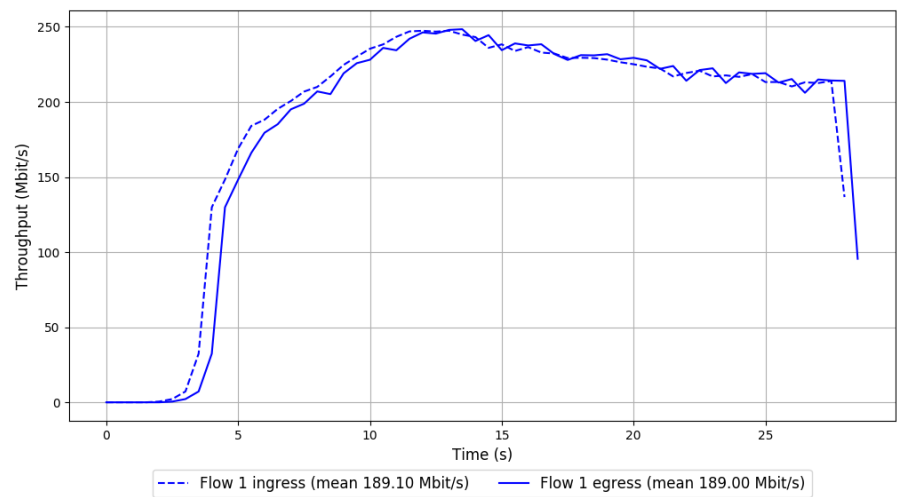
-- Flow 1:

Average throughput: 189.00 Mbit/s

95th percentile per-packet one-way delay: 62.114 ms

Loss rate: 0.48%

Run 1: Report of Indigo — Data Link

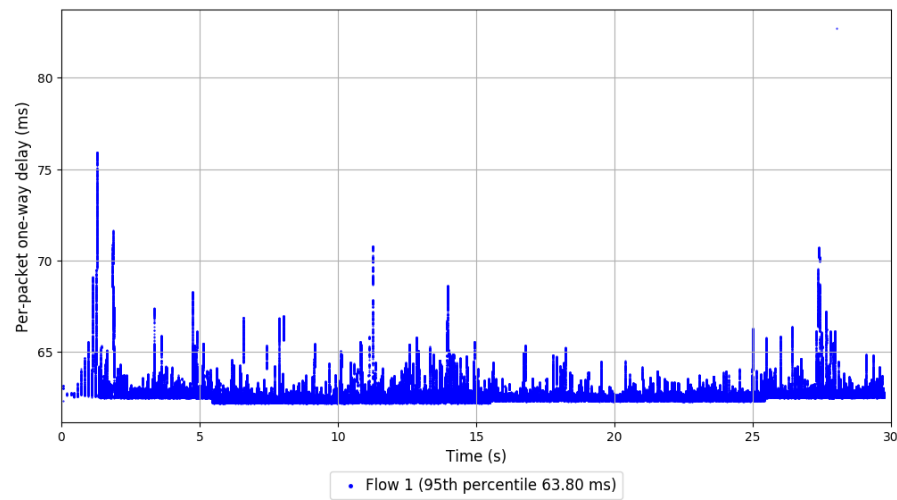
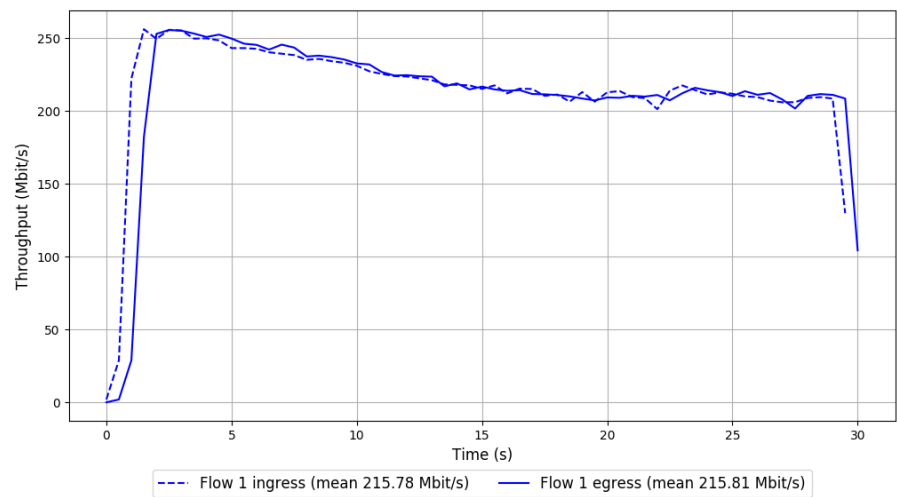


Run 2: Statistics of Indigo

Start at: 2018-07-19 11:49:48
End at: 2018-07-19 11:50:18
Local clock offset: 0.004 ms
Remote clock offset: -1.457 ms

Below is generated by plot.py at 2018-07-19 16:23:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.81 Mbit/s
95th percentile per-packet one-way delay: 63.803 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 215.81 Mbit/s
95th percentile per-packet one-way delay: 63.803 ms
Loss rate: 0.40%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

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

End at: 2018-07-19 12:12:32

Local clock offset: 0.056 ms

Remote clock offset: 1.292 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.42 Mbit/s

95th percentile per-packet one-way delay: 60.961 ms

Loss rate: 0.43%

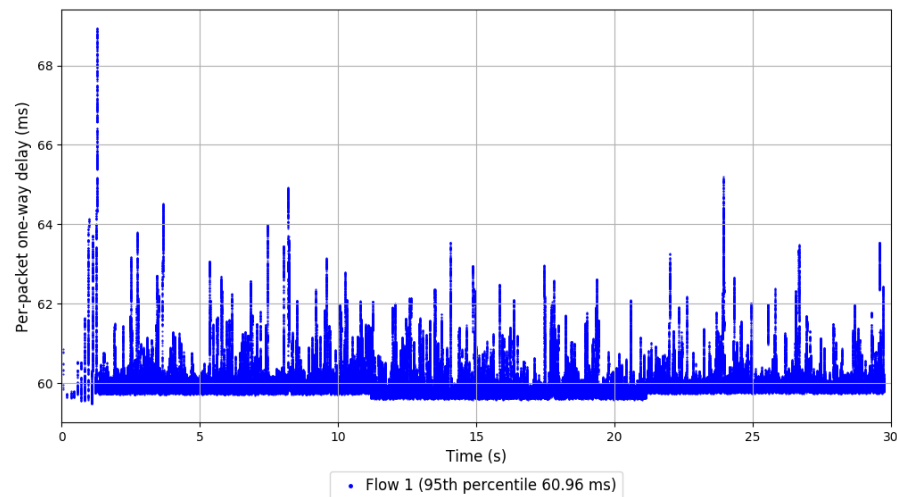
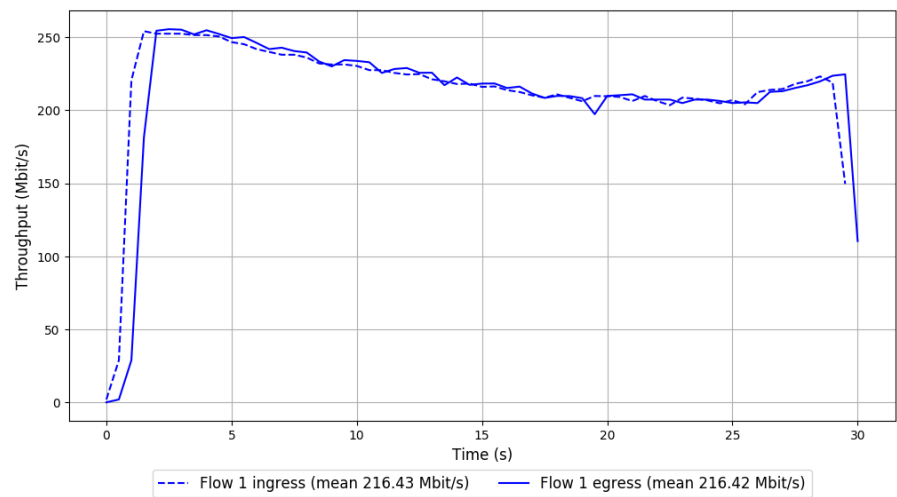
-- Flow 1:

Average throughput: 216.42 Mbit/s

95th percentile per-packet one-way delay: 60.961 ms

Loss rate: 0.43%

Run 3: Report of Indigo — Data Link

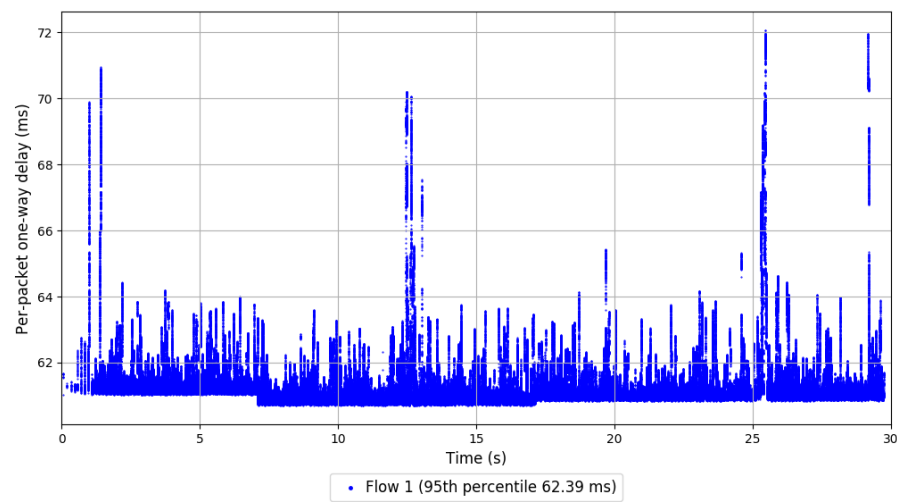
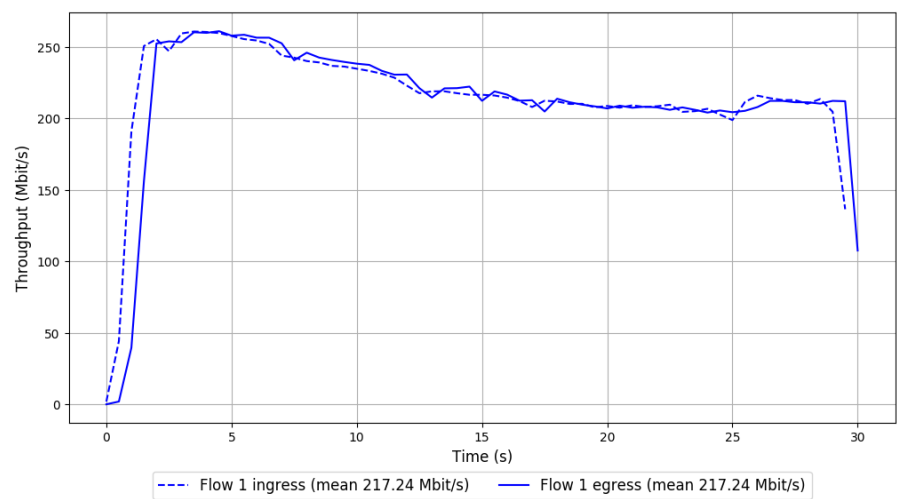


Run 4: Statistics of Indigo

Start at: 2018-07-19 12:34:06
End at: 2018-07-19 12:34:36
Local clock offset: 0.029 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-19 16:23:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.24 Mbit/s
95th percentile per-packet one-way delay: 62.394 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 217.24 Mbit/s
95th percentile per-packet one-way delay: 62.394 ms
Loss rate: 0.42%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-19 12:56:10

End at: 2018-07-19 12:56:40

Local clock offset: 0.109 ms

Remote clock offset: 1.398 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.49 Mbit/s

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

Loss rate: 0.40%

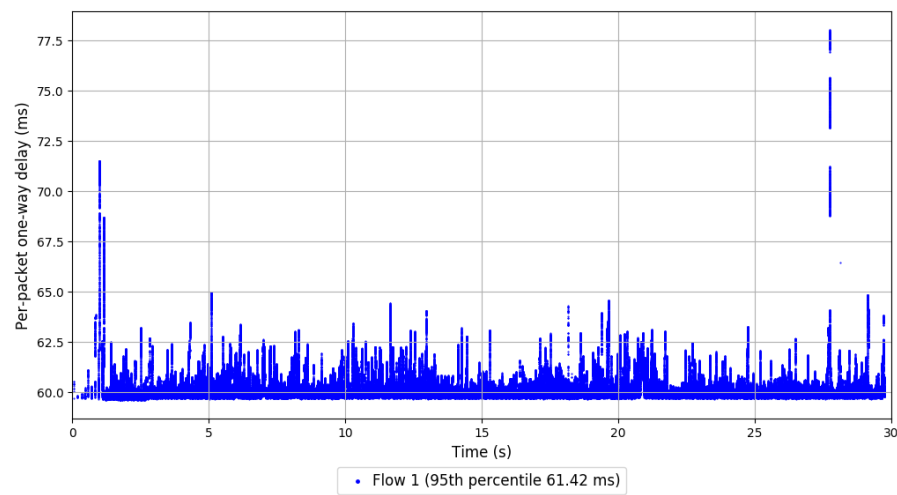
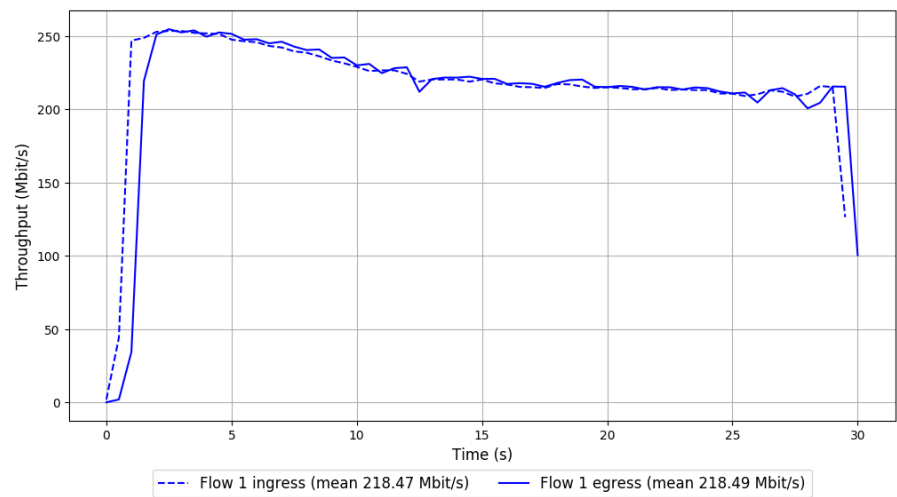
-- Flow 1:

Average throughput: 218.49 Mbit/s

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

Loss rate: 0.40%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-19 13:18:12

End at: 2018-07-19 13:18:42

Local clock offset: 0.112 ms

Remote clock offset: 1.297 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.16 Mbit/s

95th percentile per-packet one-way delay: 61.095 ms

Loss rate: 0.40%

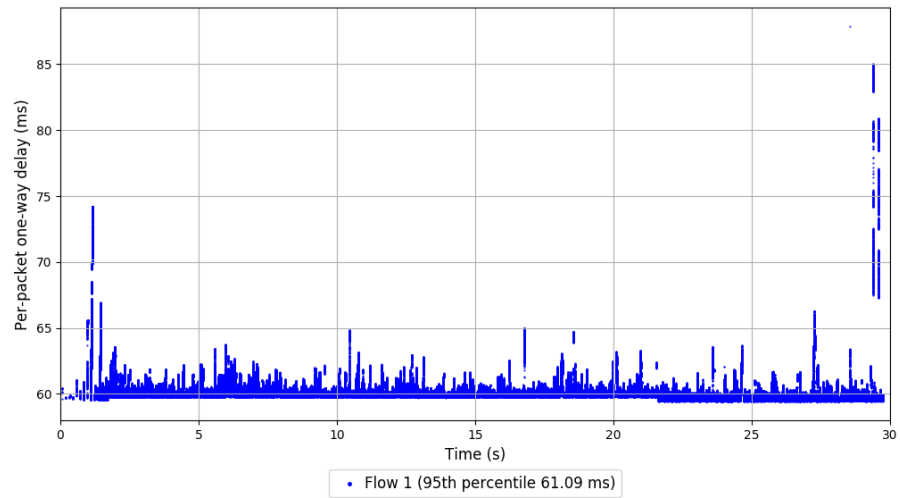
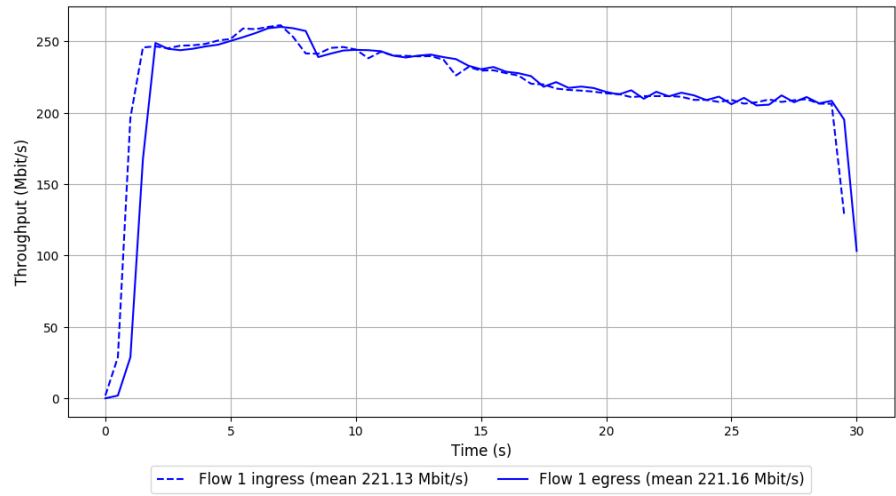
-- Flow 1:

Average throughput: 221.16 Mbit/s

95th percentile per-packet one-way delay: 61.095 ms

Loss rate: 0.40%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-19 13:40:19

End at: 2018-07-19 13:40:49

Local clock offset: 0.182 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.64 Mbit/s

95th percentile per-packet one-way delay: 62.484 ms

Loss rate: 0.44%

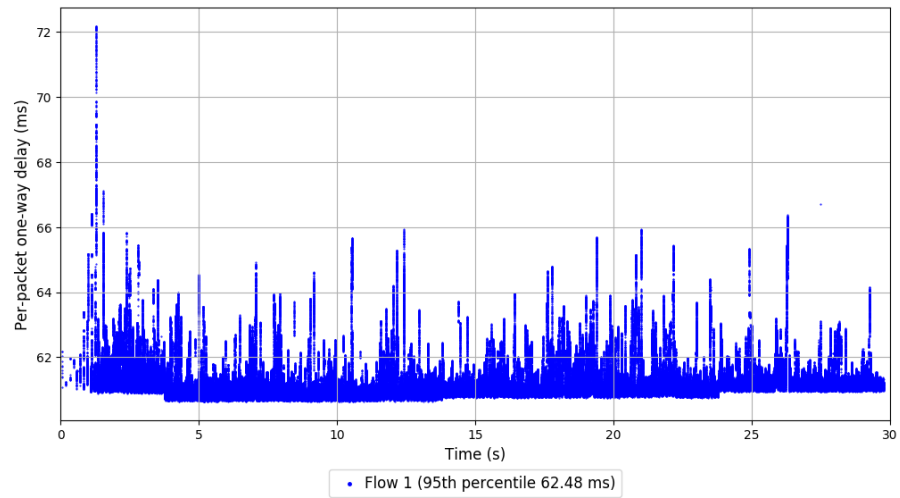
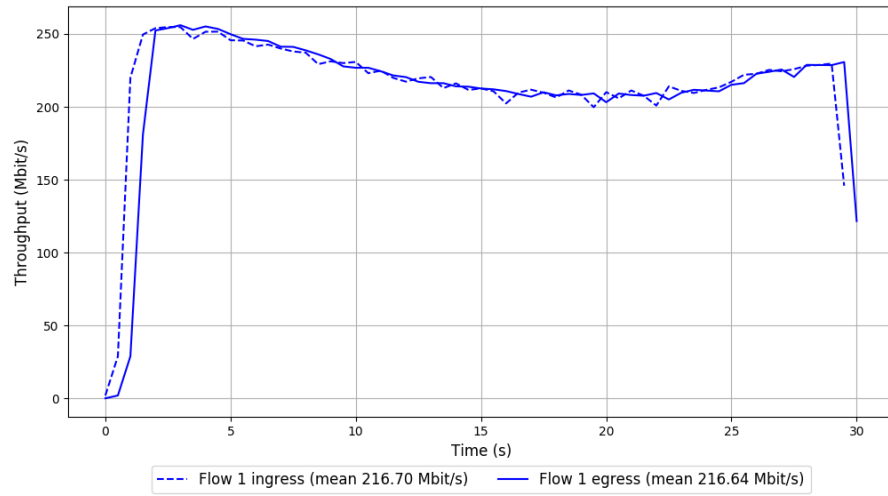
-- Flow 1:

Average throughput: 216.64 Mbit/s

95th percentile per-packet one-way delay: 62.484 ms

Loss rate: 0.44%

Run 7: Report of Indigo — Data Link

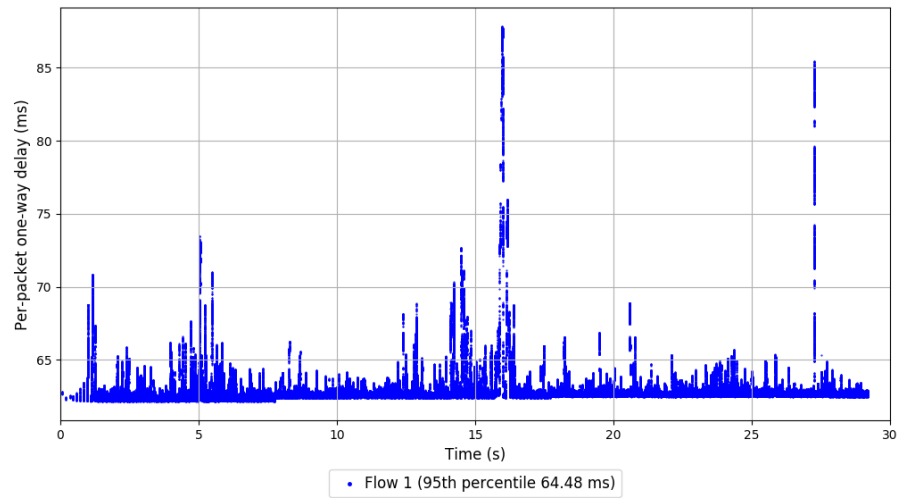
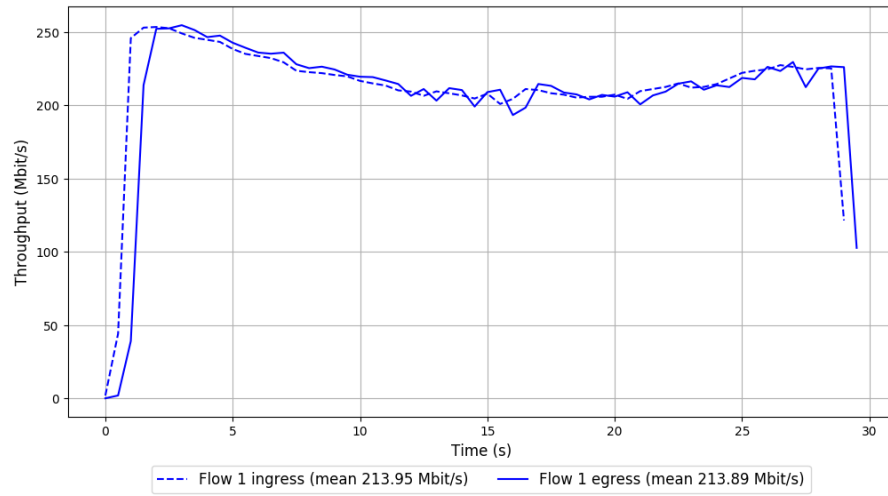


Run 8: Statistics of Indigo

Start at: 2018-07-19 14:02:25
End at: 2018-07-19 14:02:55
Local clock offset: -0.011 ms
Remote clock offset: -1.496 ms

Below is generated by plot.py at 2018-07-19 16:23:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.89 Mbit/s
95th percentile per-packet one-way delay: 64.485 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 213.89 Mbit/s
95th percentile per-packet one-way delay: 64.485 ms
Loss rate: 0.45%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-19 14:24:25

End at: 2018-07-19 14:24:55

Local clock offset: -0.098 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.62 Mbit/s

95th percentile per-packet one-way delay: 62.153 ms

Loss rate: 0.42%

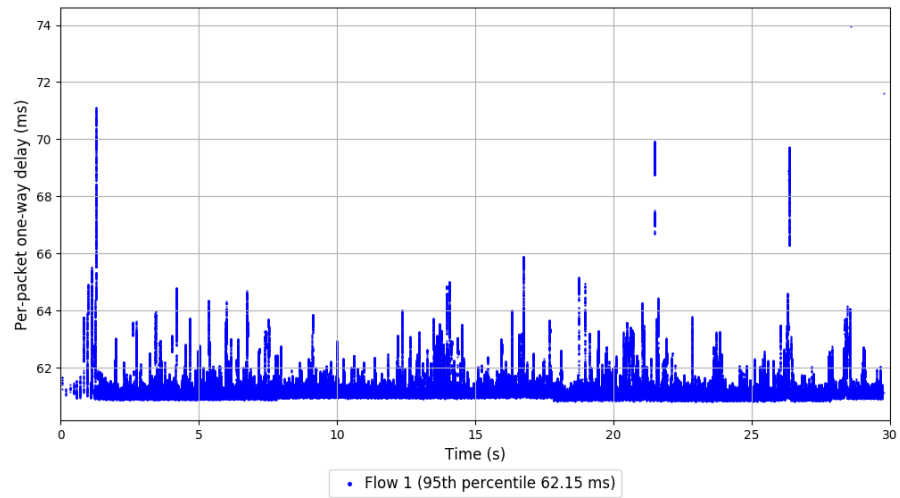
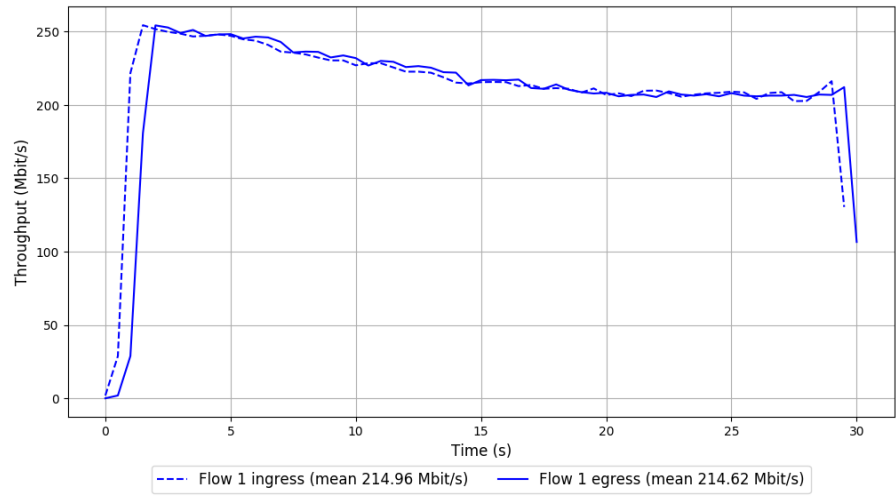
-- Flow 1:

Average throughput: 214.62 Mbit/s

95th percentile per-packet one-way delay: 62.153 ms

Loss rate: 0.42%

Run 9: Report of Indigo — Data Link

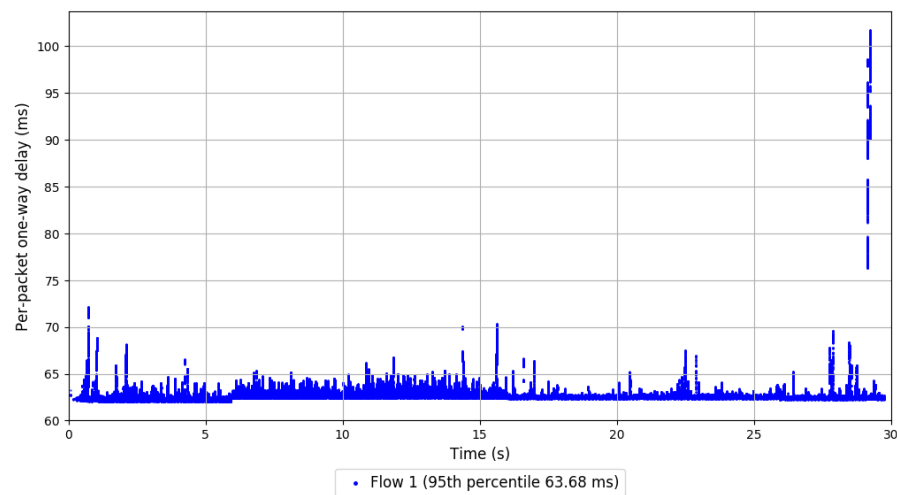
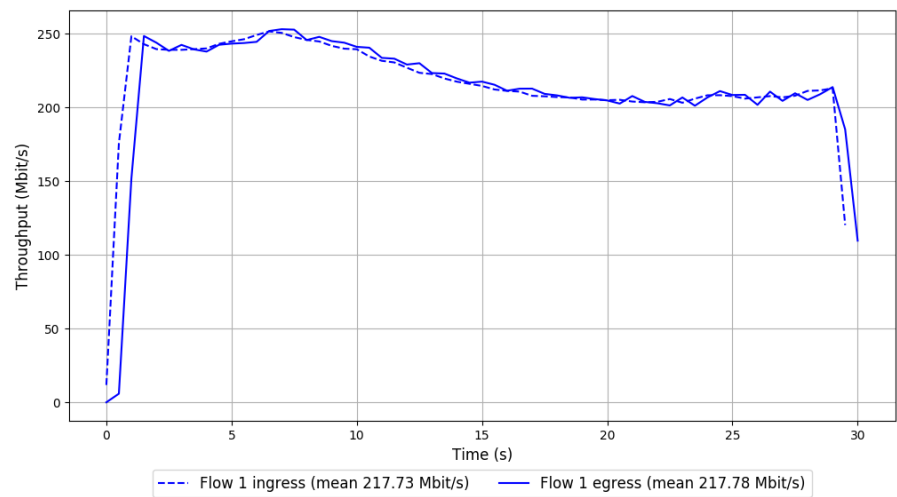


Run 10: Statistics of Indigo

Start at: 2018-07-19 14:46:27
End at: 2018-07-19 14:46:57
Local clock offset: -0.019 ms
Remote clock offset: -1.276 ms

Below is generated by plot.py at 2018-07-19 16:23:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.78 Mbit/s
95th percentile per-packet one-way delay: 63.678 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 217.78 Mbit/s
95th percentile per-packet one-way delay: 63.678 ms
Loss rate: 0.39%

Run 10: Report of Indigo — Data Link

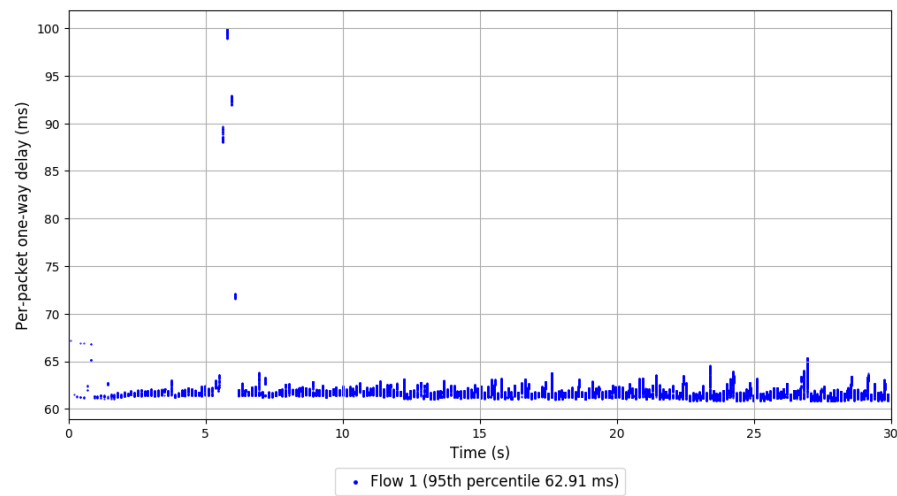
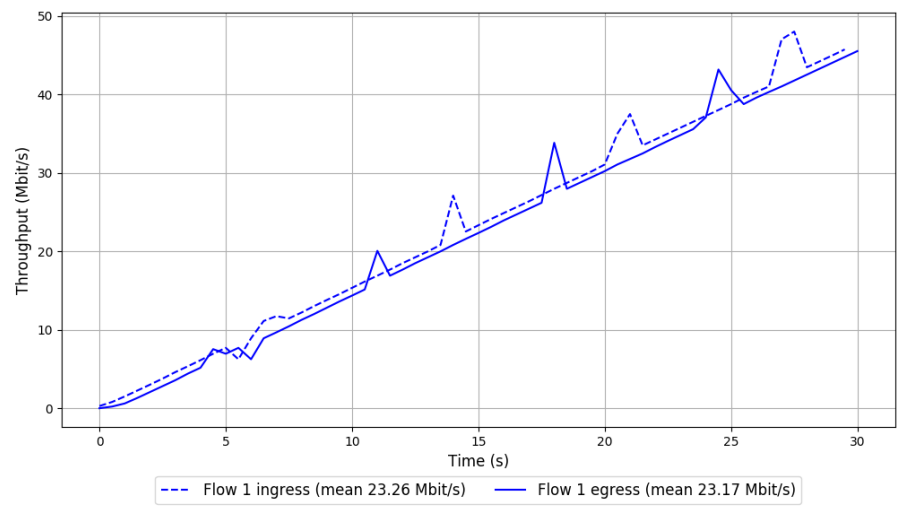


Run 1: Statistics of LEDBAT

Start at: 2018-07-19 11:37:11
End at: 2018-07-19 11:37:41
Local clock offset: -0.05 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-07-19 16:23:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 62.909 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 62.909 ms
Loss rate: 0.83%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-19 11:59:24

End at: 2018-07-19 11:59:54

Local clock offset: -0.014 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.22 Mbit/s

95th percentile per-packet one-way delay: 63.193 ms

Loss rate: 0.90%

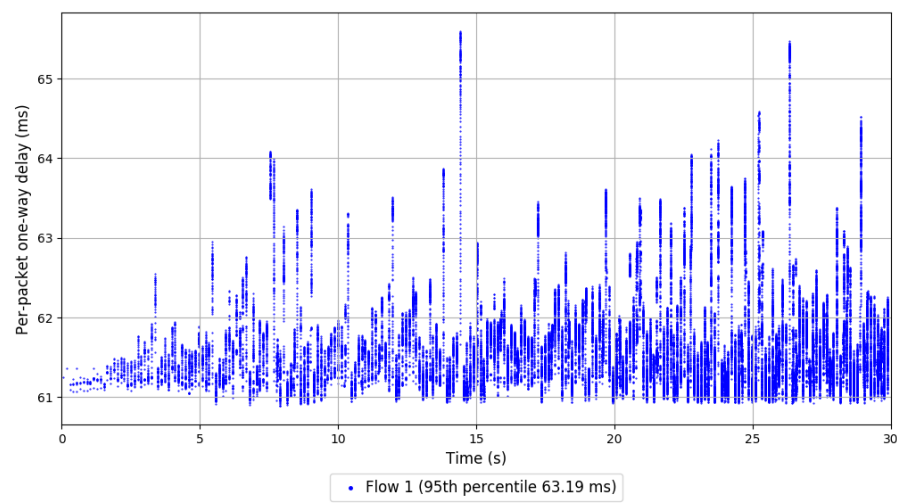
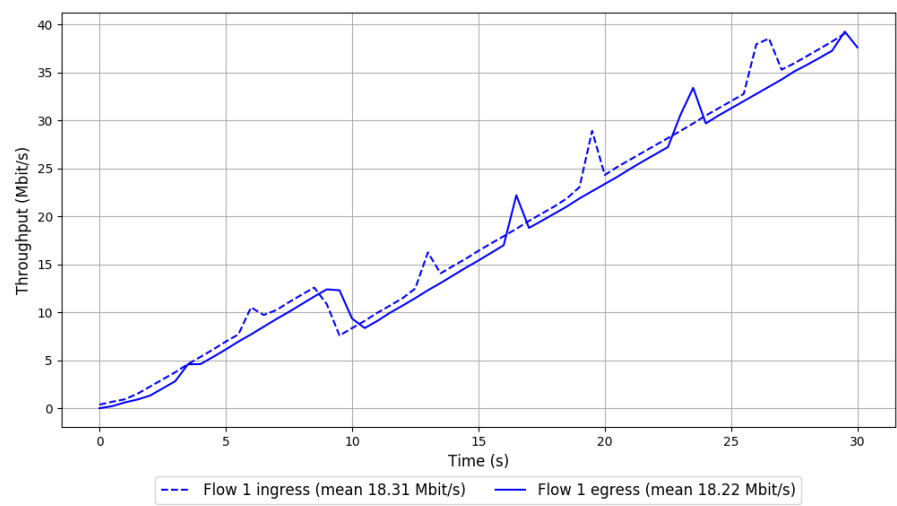
-- Flow 1:

Average throughput: 18.22 Mbit/s

95th percentile per-packet one-way delay: 63.193 ms

Loss rate: 0.90%

Run 2: Report of LEDBAT — Data Link

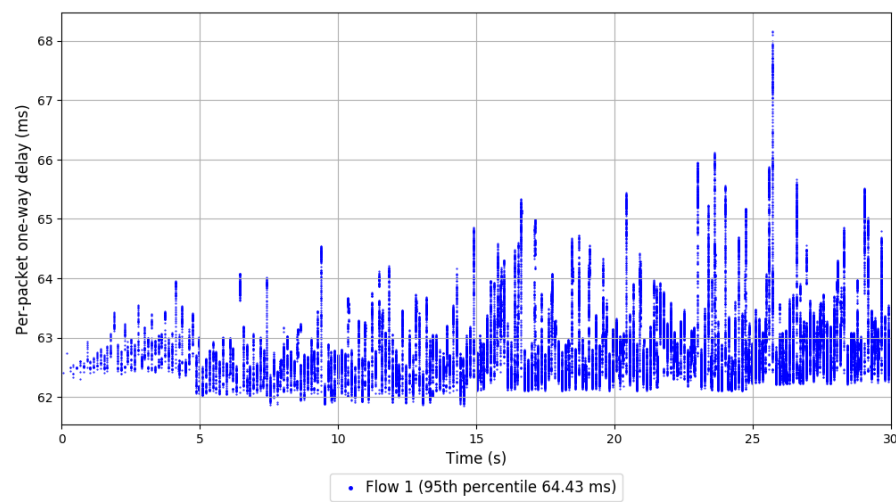
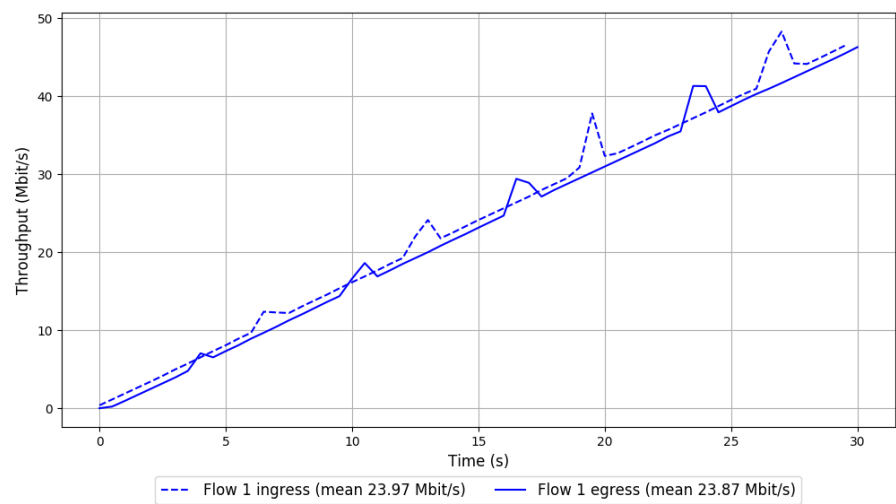


Run 3: Statistics of LEDBAT

Start at: 2018-07-19 12:21:29
End at: 2018-07-19 12:21:59
Local clock offset: 0.07 ms
Remote clock offset: -1.138 ms

Below is generated by plot.py at 2018-07-19 16:23:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 64.434 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 64.434 ms
Loss rate: 0.81%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-19 12:43:35

End at: 2018-07-19 12:44:05

Local clock offset: 0.067 ms

Remote clock offset: 1.038 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.68 Mbit/s

95th percentile per-packet one-way delay: 65.109 ms

Loss rate: 0.82%

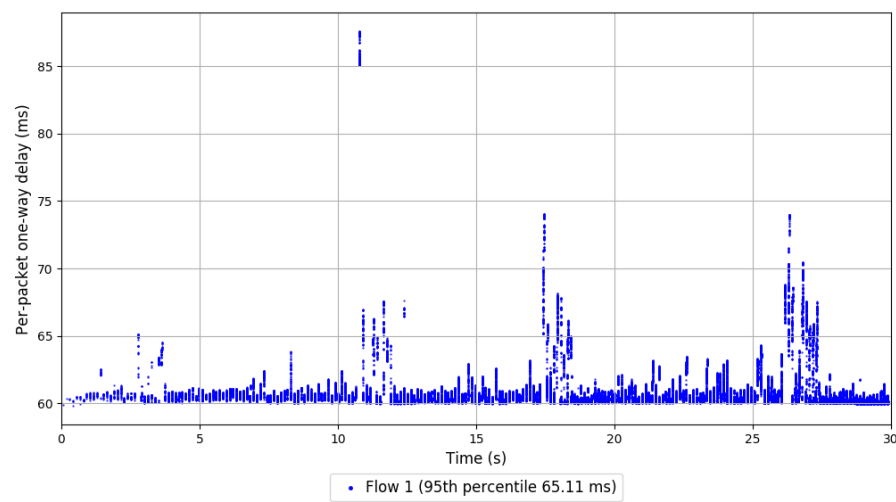
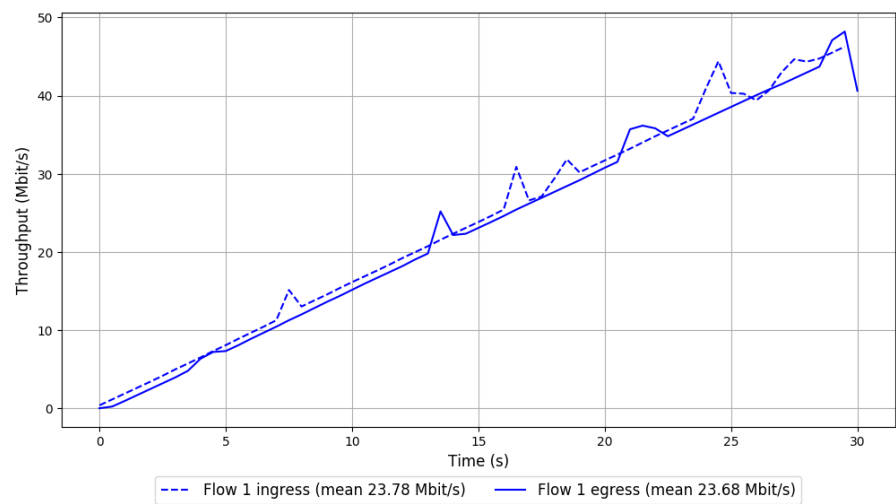
-- Flow 1:

Average throughput: 23.68 Mbit/s

95th percentile per-packet one-way delay: 65.109 ms

Loss rate: 0.82%

Run 4: Report of LEDBAT — Data Link

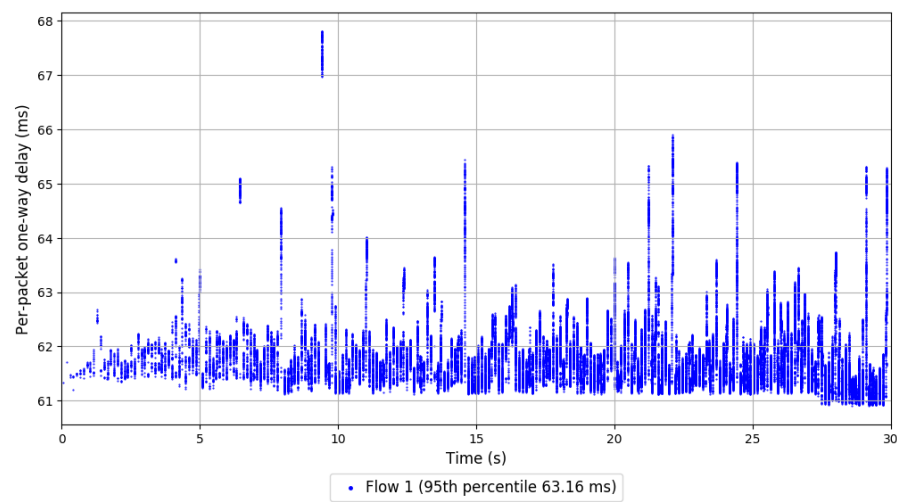
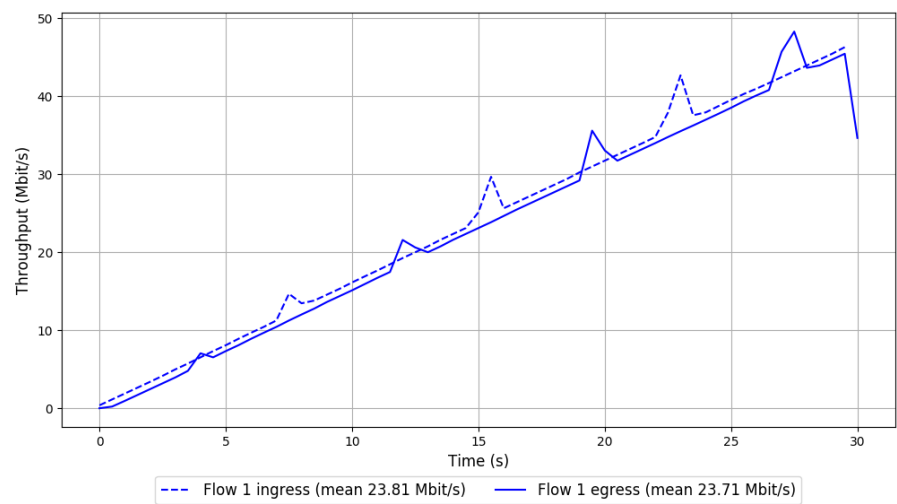


Run 5: Statistics of LEDBAT

Start at: 2018-07-19 13:05:36
End at: 2018-07-19 13:06:06
Local clock offset: 0.125 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-19 16:23:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 63.158 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 63.158 ms
Loss rate: 0.82%

Run 5: Report of LEDBAT — Data Link

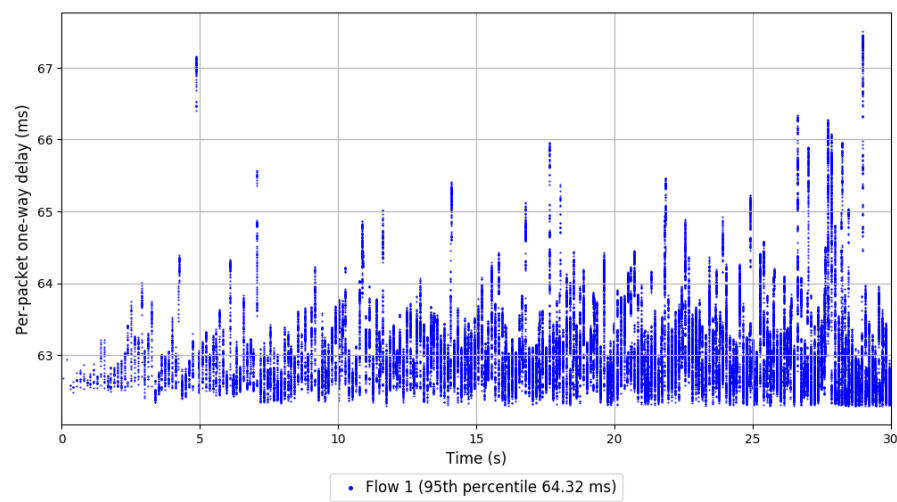
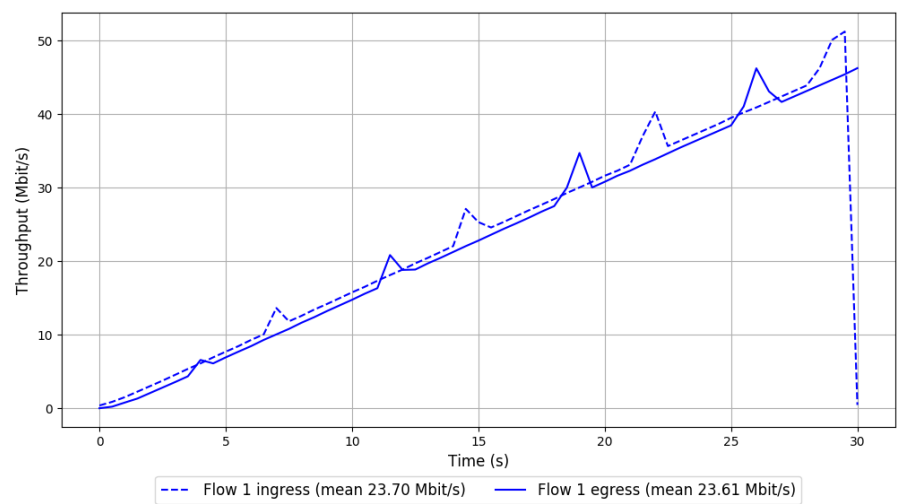


Run 6: Statistics of LEDBAT

Start at: 2018-07-19 13:27:43
End at: 2018-07-19 13:28:13
Local clock offset: 0.148 ms
Remote clock offset: -1.334 ms

Below is generated by plot.py at 2018-07-19 16:23:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.61 Mbit/s
95th percentile per-packet one-way delay: 64.323 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.61 Mbit/s
95th percentile per-packet one-way delay: 64.323 ms
Loss rate: 0.82%

Run 6: Report of LEDBAT — Data Link

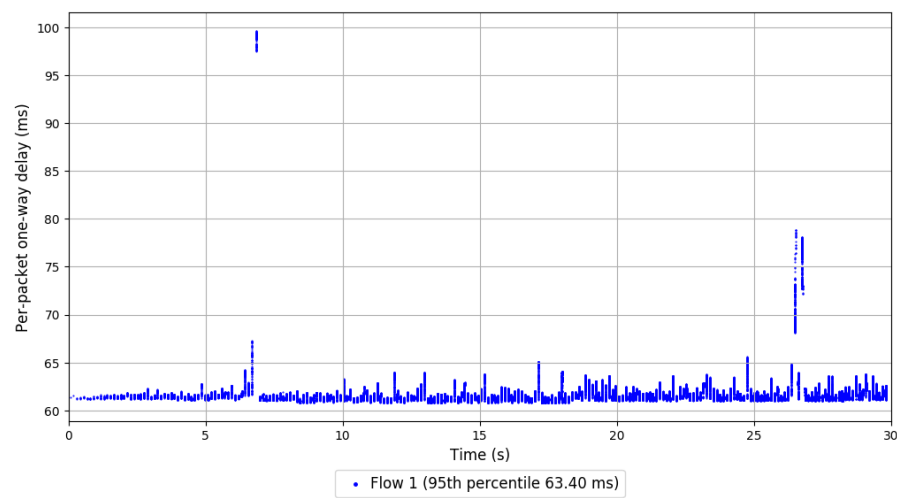
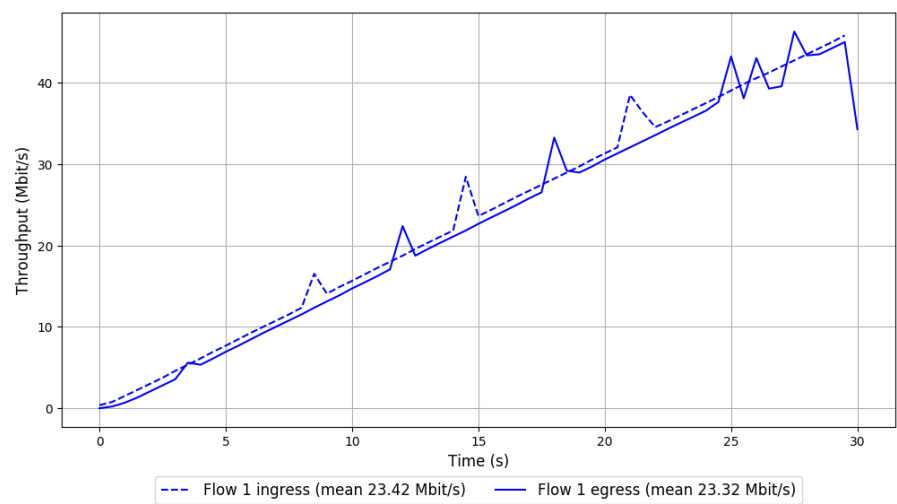


Run 7: Statistics of LEDBAT

Start at: 2018-07-19 13:49:45
End at: 2018-07-19 13:50:15
Local clock offset: 0.171 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-19 16:23:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.32 Mbit/s
95th percentile per-packet one-way delay: 63.400 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.32 Mbit/s
95th percentile per-packet one-way delay: 63.400 ms
Loss rate: 0.82%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-19 14:11:46

End at: 2018-07-19 14:12:16

Local clock offset: -0.071 ms

Remote clock offset: 1.317 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.69 Mbit/s

95th percentile per-packet one-way delay: 66.535 ms

Loss rate: 0.85%

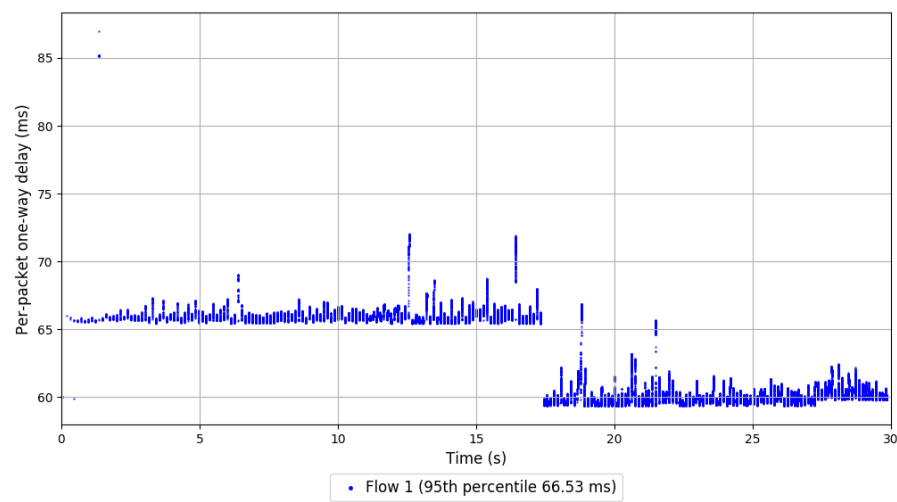
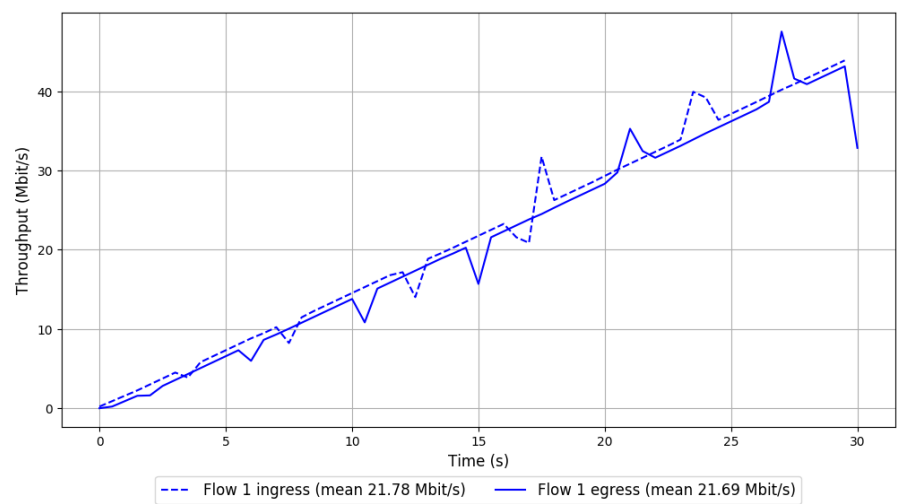
-- Flow 1:

Average throughput: 21.69 Mbit/s

95th percentile per-packet one-way delay: 66.535 ms

Loss rate: 0.85%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-19 14:33:53

End at: 2018-07-19 14:34:23

Local clock offset: 0.063 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.66 Mbit/s

95th percentile per-packet one-way delay: 62.922 ms

Loss rate: 0.82%

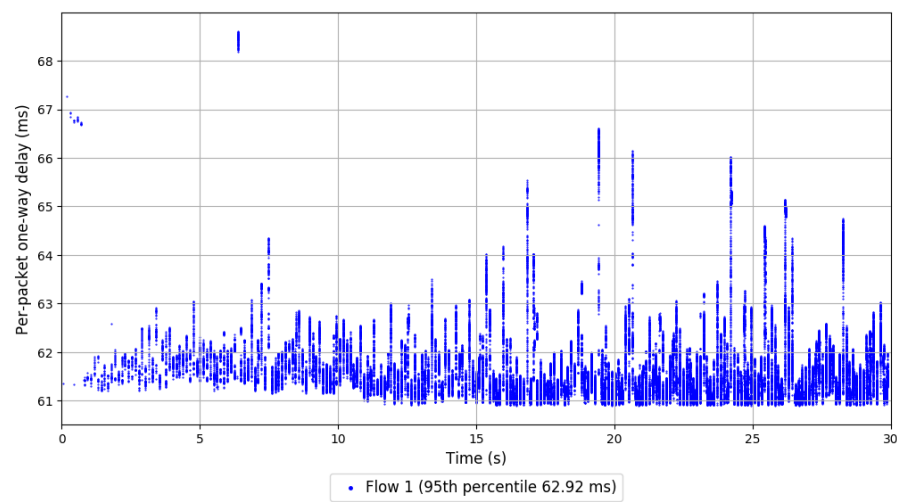
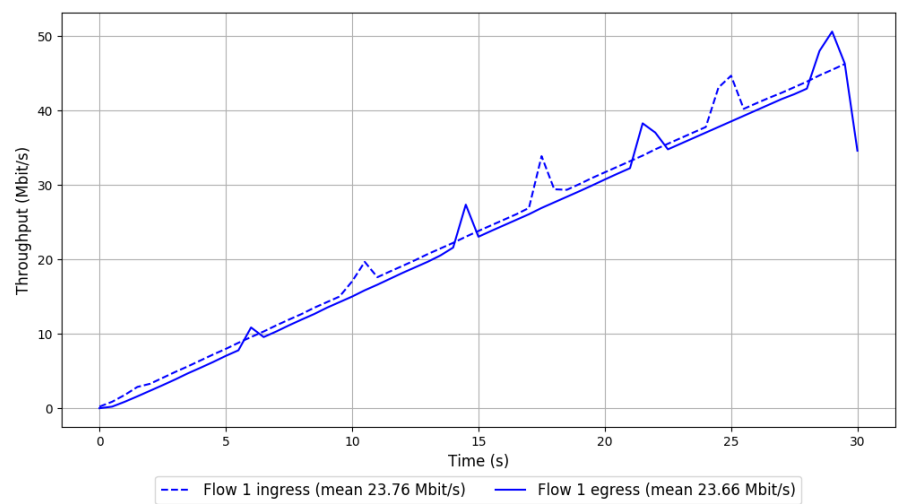
-- Flow 1:

Average throughput: 23.66 Mbit/s

95th percentile per-packet one-way delay: 62.922 ms

Loss rate: 0.82%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-19 14:55:56

End at: 2018-07-19 14:56:26

Local clock offset: -0.021 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-19 16:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.95 Mbit/s

95th percentile per-packet one-way delay: 66.742 ms

Loss rate: 0.81%

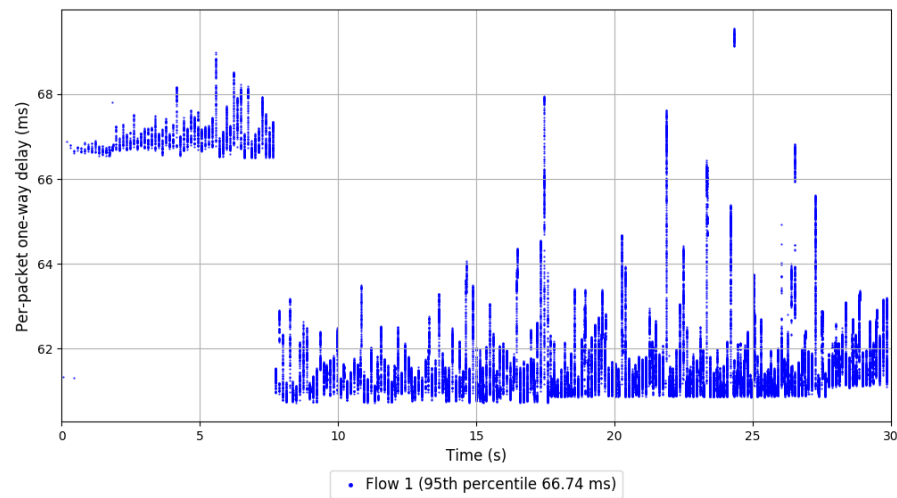
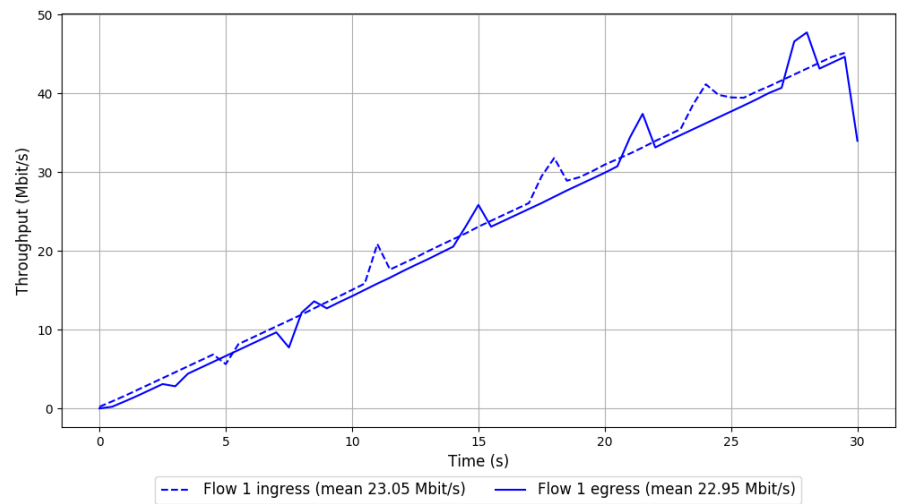
-- Flow 1:

Average throughput: 22.95 Mbit/s

95th percentile per-packet one-way delay: 66.742 ms

Loss rate: 0.81%

Run 10: Report of LEDBAT — Data Link

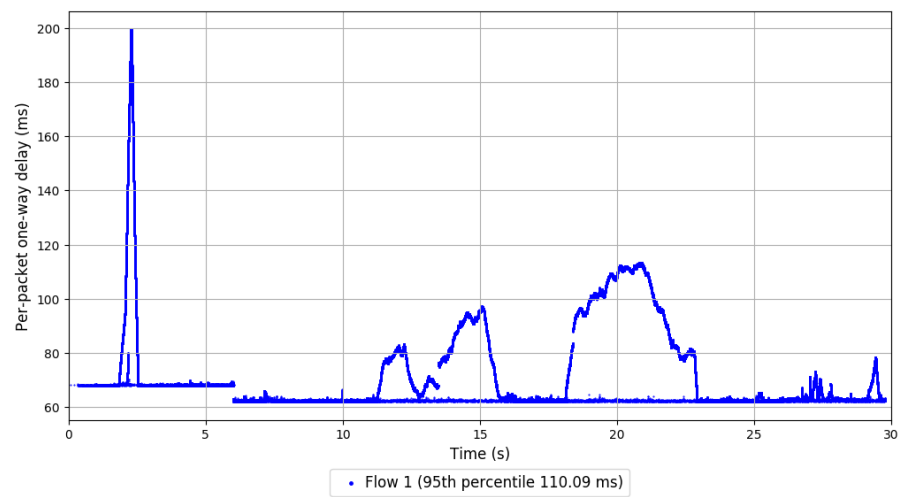
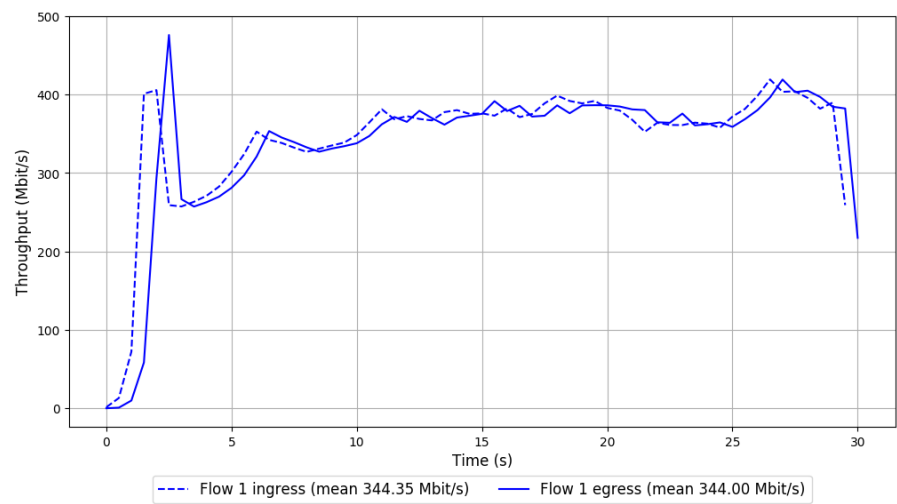


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-19 11:43:37
End at: 2018-07-19 11:44:07
Local clock offset: -0.027 ms
Remote clock offset: -1.354 ms

Below is generated by plot.py at 2018-07-19 16:27:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.00 Mbit/s
95th percentile per-packet one-way delay: 110.086 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 344.00 Mbit/s
95th percentile per-packet one-way delay: 110.086 ms
Loss rate: 0.53%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-19 12:05:47

End at: 2018-07-19 12:06:17

Local clock offset: 0.024 ms

Remote clock offset: -1.39 ms

Below is generated by plot.py at 2018-07-19 16:27:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.43 Mbit/s

95th percentile per-packet one-way delay: 107.737 ms

Loss rate: 0.67%

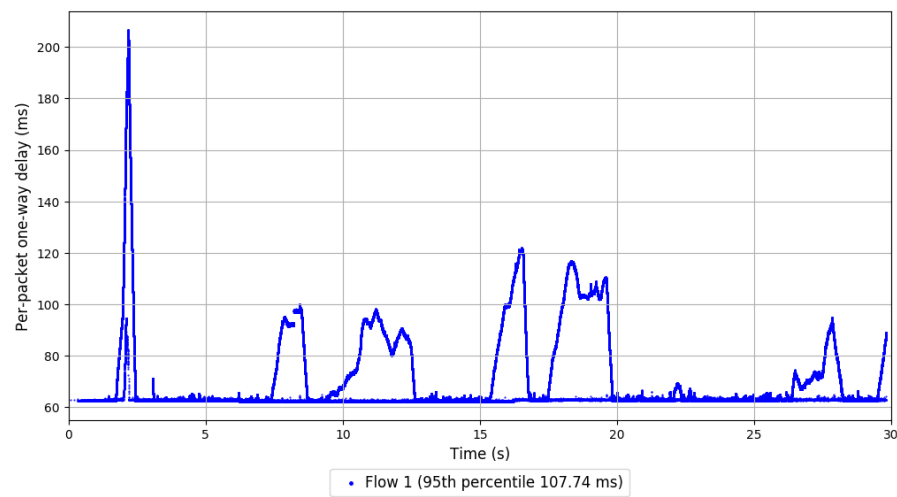
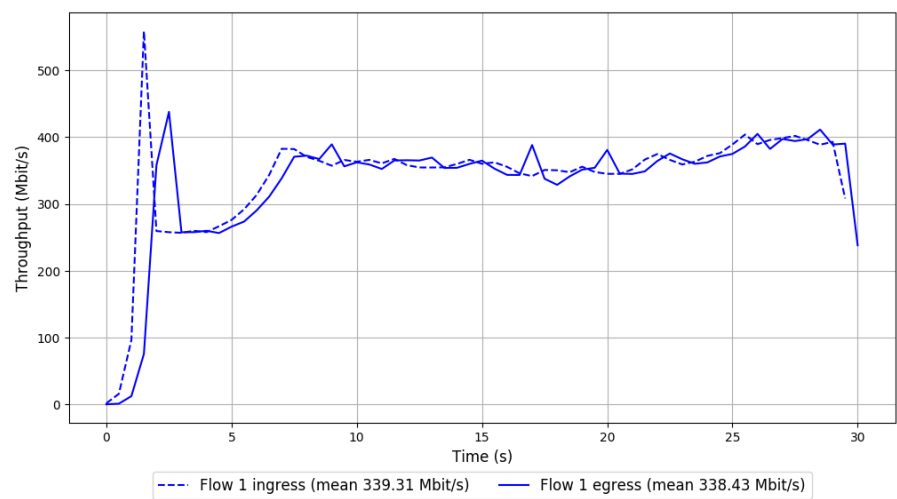
-- Flow 1:

Average throughput: 338.43 Mbit/s

95th percentile per-packet one-way delay: 107.737 ms

Loss rate: 0.67%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-19 12:27:52

End at: 2018-07-19 12:28:22

Local clock offset: 0.078 ms

Remote clock offset: -1.28 ms

Below is generated by plot.py at 2018-07-19 16:27:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.39 Mbit/s

95th percentile per-packet one-way delay: 129.034 ms

Loss rate: 0.77%

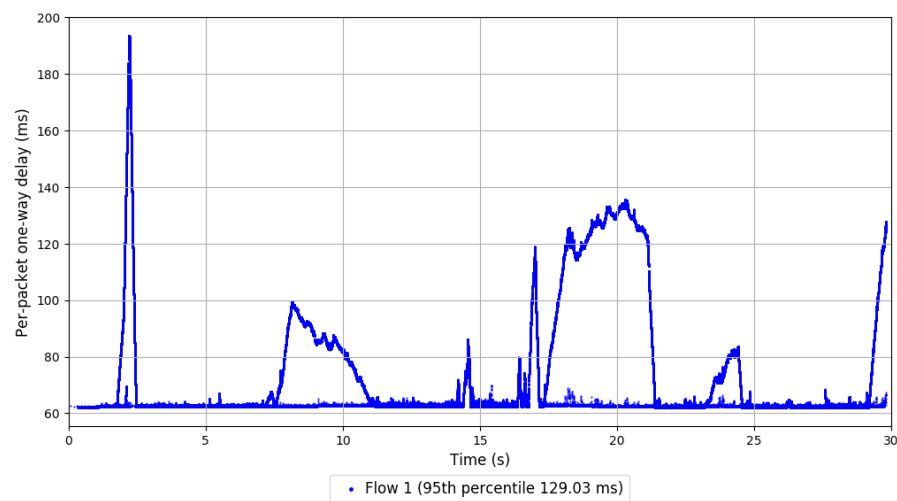
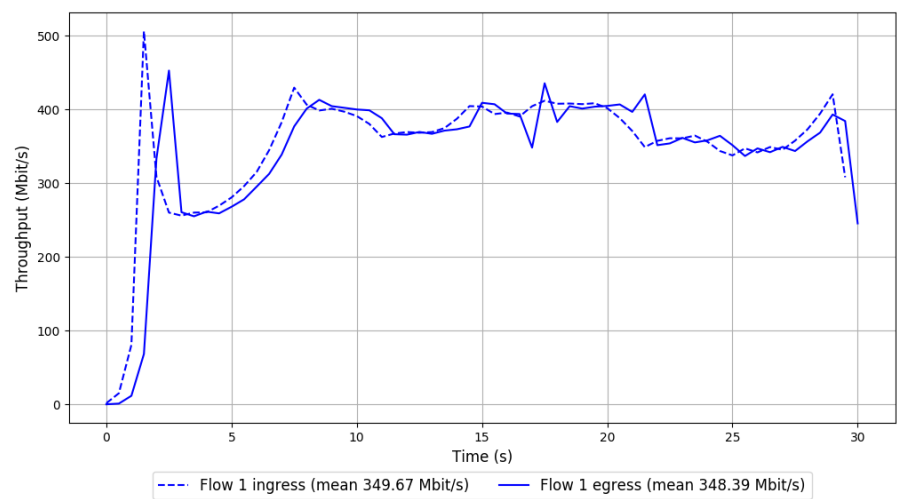
-- Flow 1:

Average throughput: 348.39 Mbit/s

95th percentile per-packet one-way delay: 129.034 ms

Loss rate: 0.77%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-19 12:49:51

End at: 2018-07-19 12:50:21

Local clock offset: 0.189 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-07-19 16:27:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.16 Mbit/s

95th percentile per-packet one-way delay: 147.154 ms

Loss rate: 0.95%

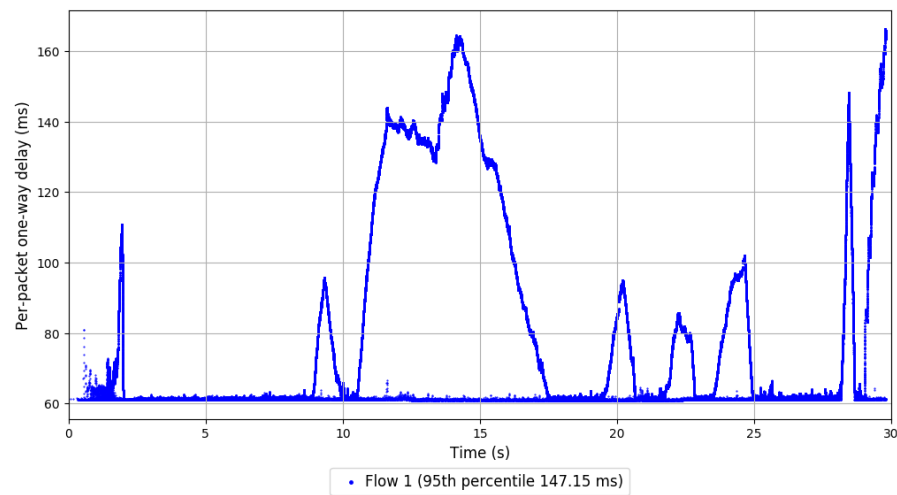
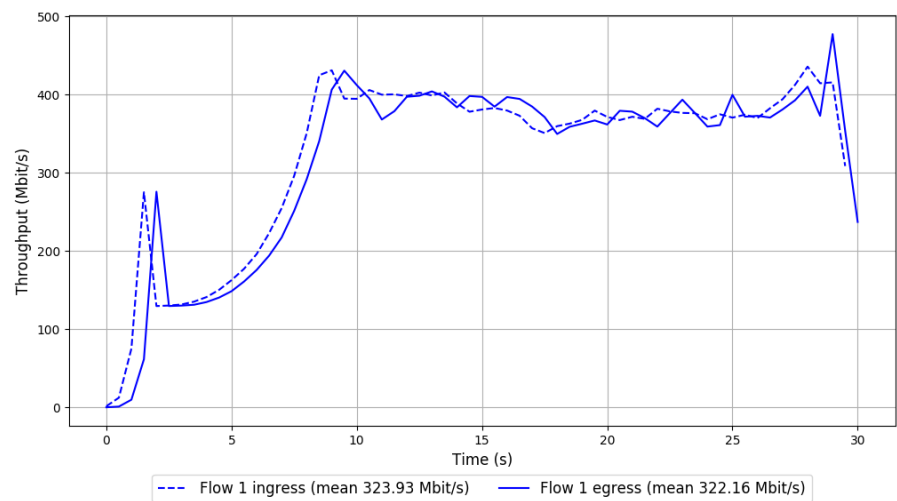
-- Flow 1:

Average throughput: 322.16 Mbit/s

95th percentile per-packet one-way delay: 147.154 ms

Loss rate: 0.95%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-19 13:11:53

End at: 2018-07-19 13:12:23

Local clock offset: 0.138 ms

Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-19 16:28:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.27 Mbit/s

95th percentile per-packet one-way delay: 122.889 ms

Loss rate: 0.64%

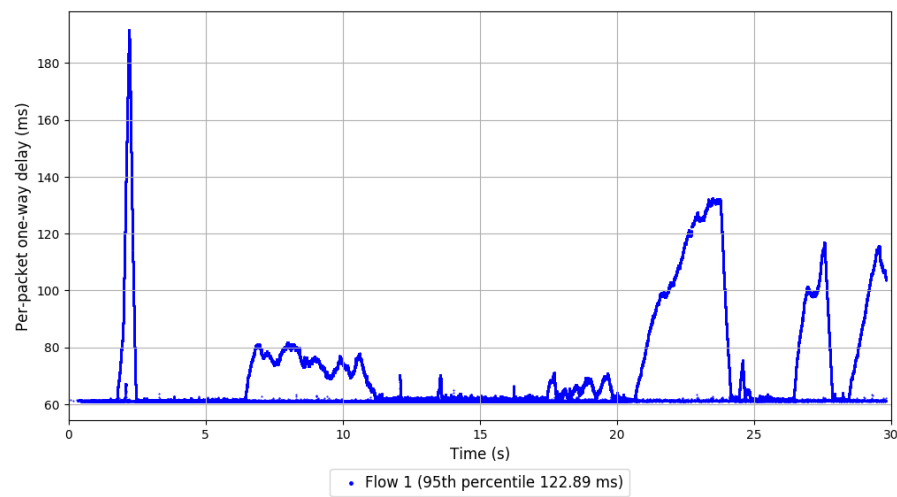
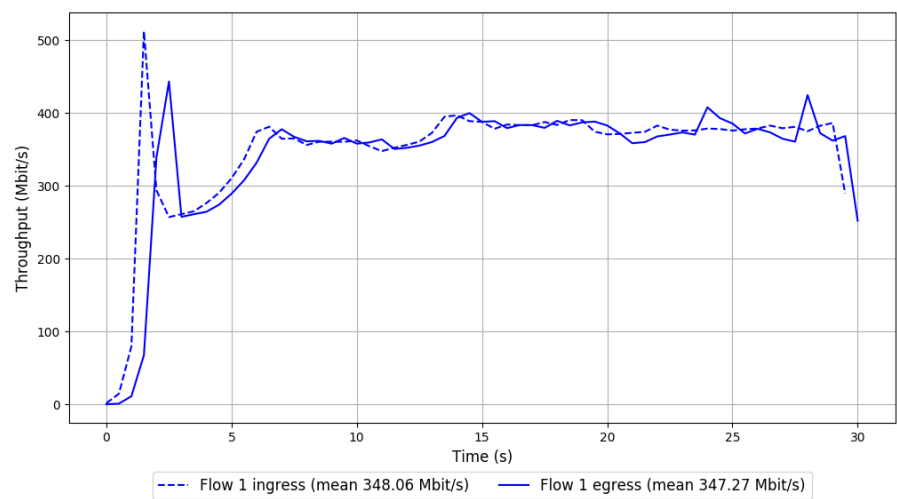
-- Flow 1:

Average throughput: 347.27 Mbit/s

95th percentile per-packet one-way delay: 122.889 ms

Loss rate: 0.64%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-19 13:34:06

End at: 2018-07-19 13:34:36

Local clock offset: 0.191 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-19 16:29:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.50 Mbit/s

95th percentile per-packet one-way delay: 112.031 ms

Loss rate: 0.54%

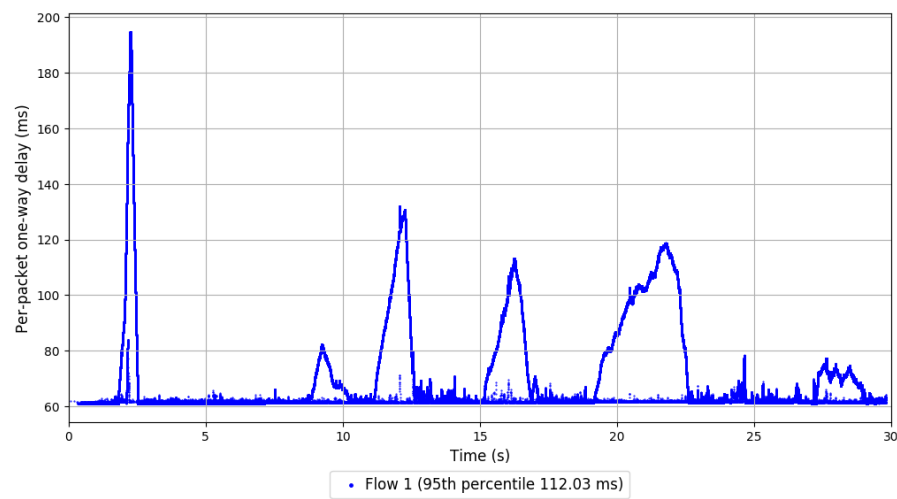
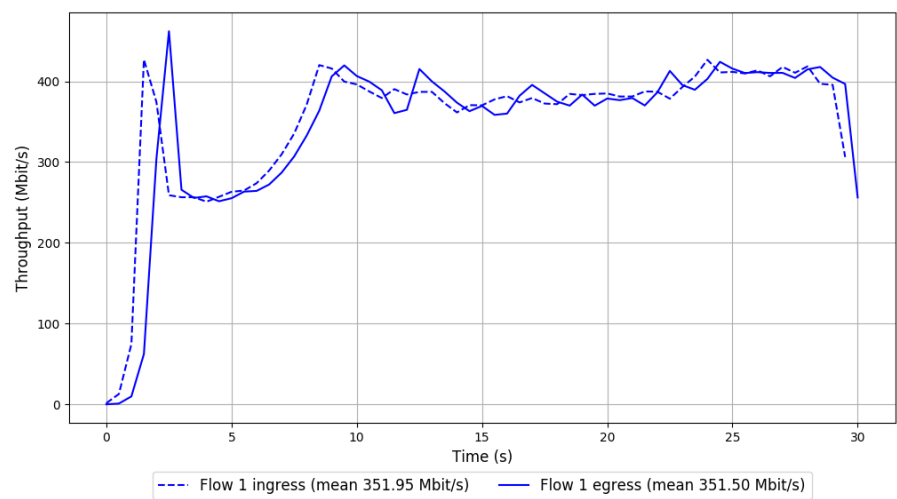
-- Flow 1:

Average throughput: 351.50 Mbit/s

95th percentile per-packet one-way delay: 112.031 ms

Loss rate: 0.54%

Run 6: Report of PCC-Allegro — Data Link

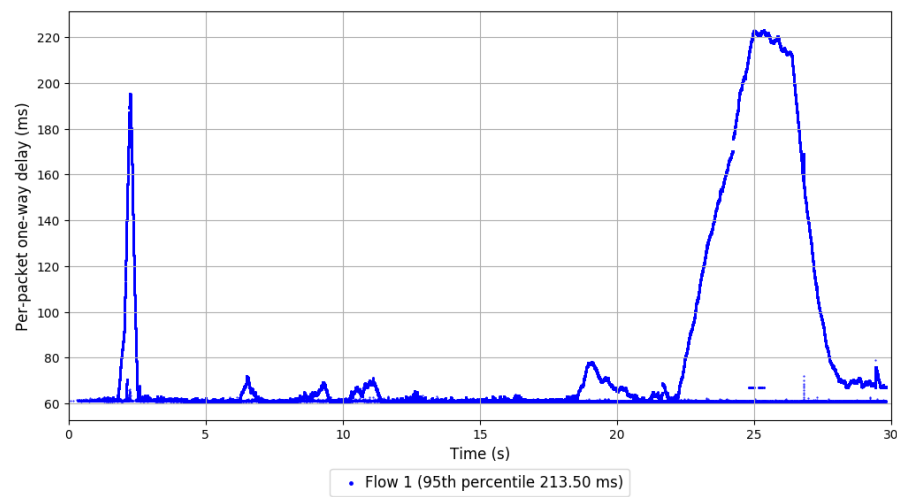
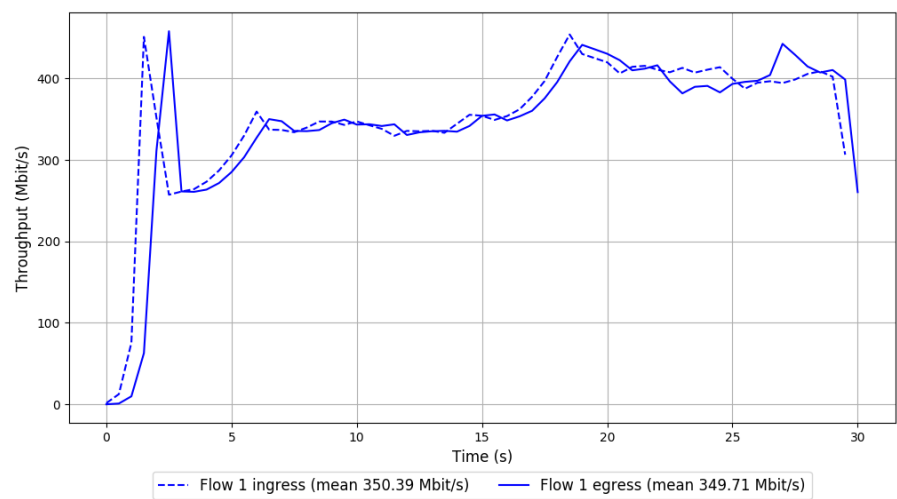


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-19 13:56:09
End at: 2018-07-19 13:56:39
Local clock offset: 0.064 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-19 16:30:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.71 Mbit/s
95th percentile per-packet one-way delay: 213.502 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 349.71 Mbit/s
95th percentile per-packet one-way delay: 213.502 ms
Loss rate: 0.61%

Run 7: Report of PCC-Allegro — Data Link

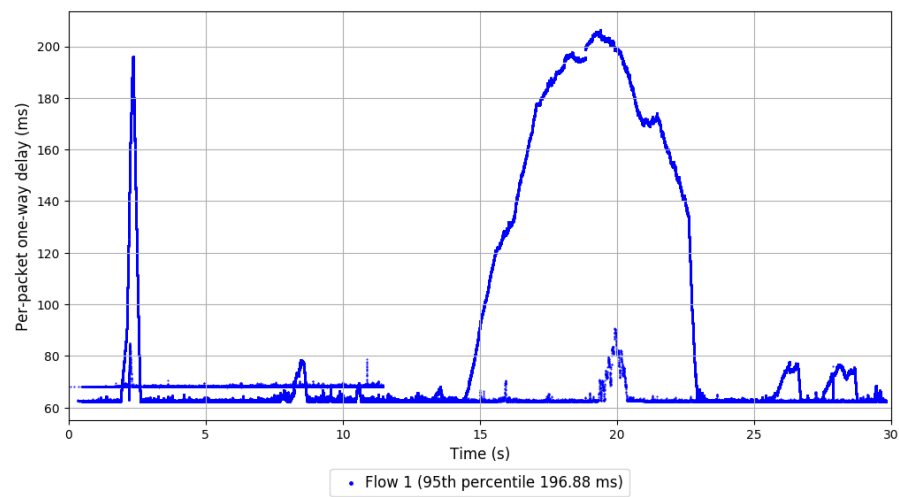
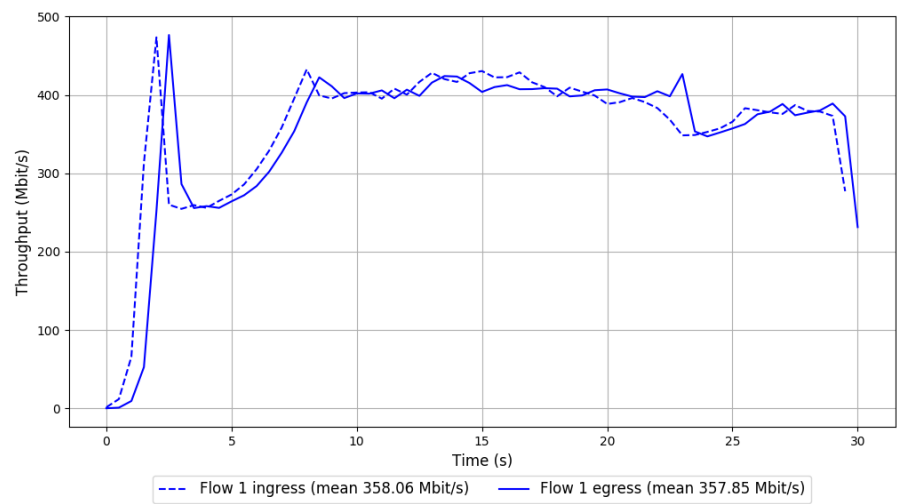


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-19 14:18:12
End at: 2018-07-19 14:18:42
Local clock offset: -0.079 ms
Remote clock offset: -1.304 ms

Below is generated by plot.py at 2018-07-19 16:30:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 357.85 Mbit/s
95th percentile per-packet one-way delay: 196.879 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 357.85 Mbit/s
95th percentile per-packet one-way delay: 196.879 ms
Loss rate: 0.51%

Run 8: Report of PCC-Allegro — Data Link

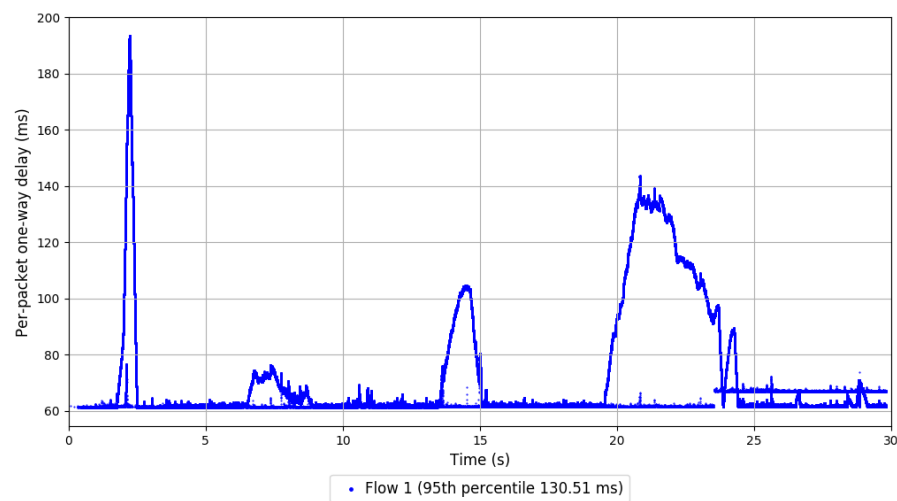
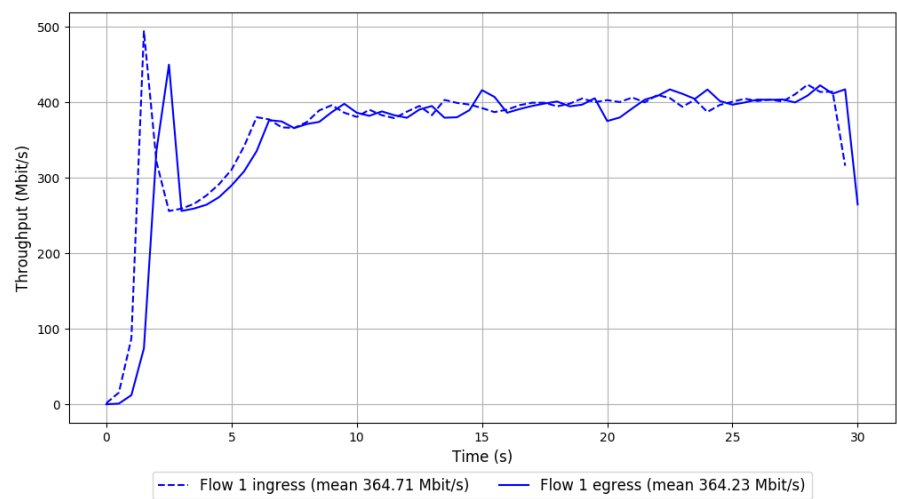


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-19 14:40:10
End at: 2018-07-19 14:40:40
Local clock offset: -0.053 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-19 16:34:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 364.23 Mbit/s
95th percentile per-packet one-way delay: 130.511 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 364.23 Mbit/s
95th percentile per-packet one-way delay: 130.511 ms
Loss rate: 0.54%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-19 15:02:11

End at: 2018-07-19 15:02:41

Local clock offset: -0.036 ms

Remote clock offset: -1.04 ms

Below is generated by plot.py at 2018-07-19 16:34:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.33 Mbit/s

95th percentile per-packet one-way delay: 125.968 ms

Loss rate: 0.89%

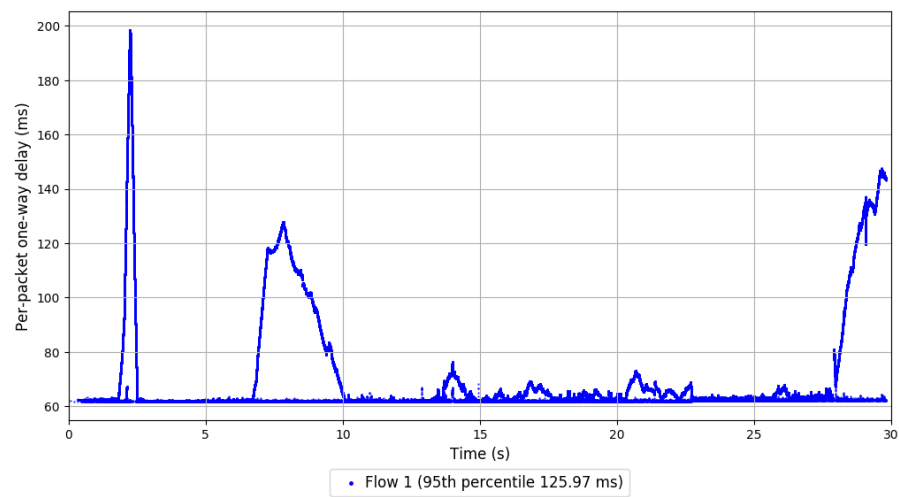
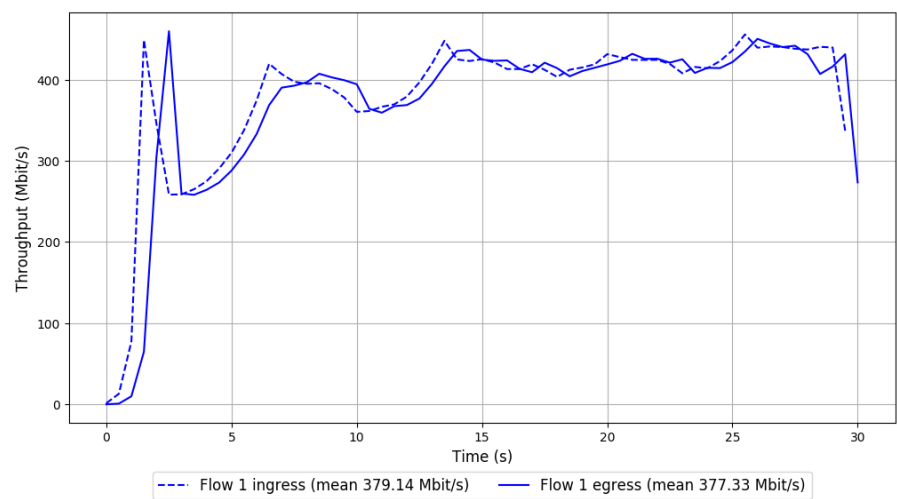
-- Flow 1:

Average throughput: 377.33 Mbit/s

95th percentile per-packet one-way delay: 125.968 ms

Loss rate: 0.89%

Run 10: Report of PCC-Allegro — Data Link

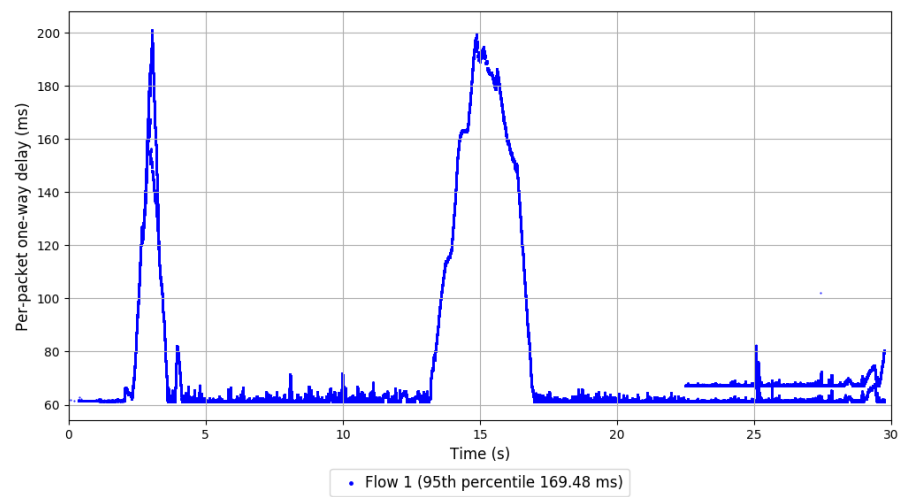
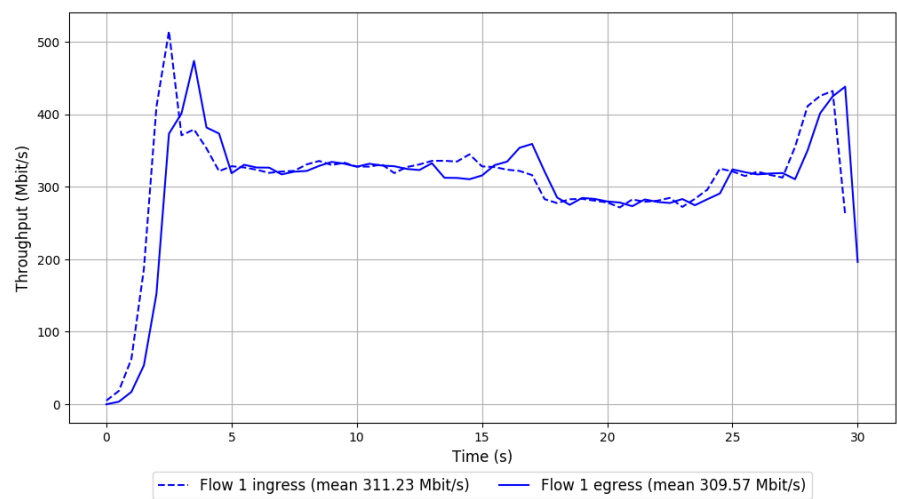


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-19 11:29:01
End at: 2018-07-19 11:29:31
Local clock offset: -0.049 ms
Remote clock offset: -0.355 ms

# Below is generated by plot.py at 2018-07-19 16:38:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 309.57 Mbit/s
95th percentile per-packet one-way delay: 169.479 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 309.57 Mbit/s
95th percentile per-packet one-way delay: 169.479 ms
Loss rate: 0.94%
```

Run 1: Report of PCC-Expr — Data Link

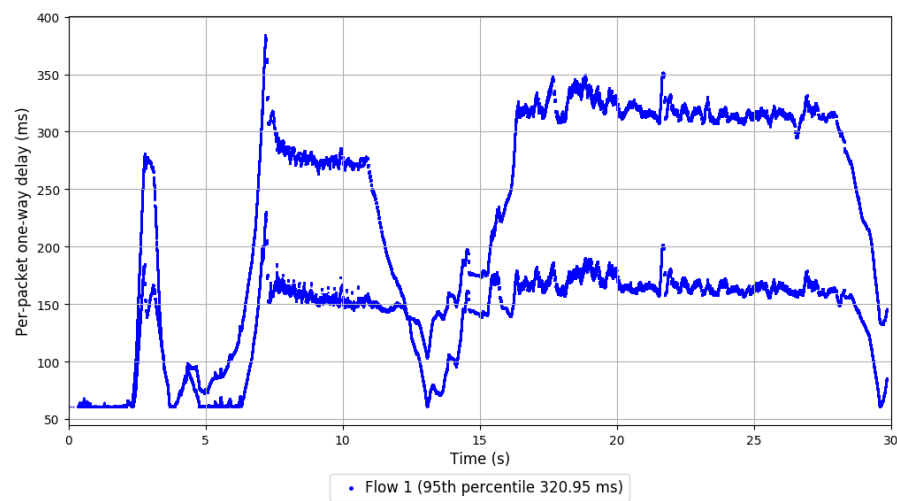
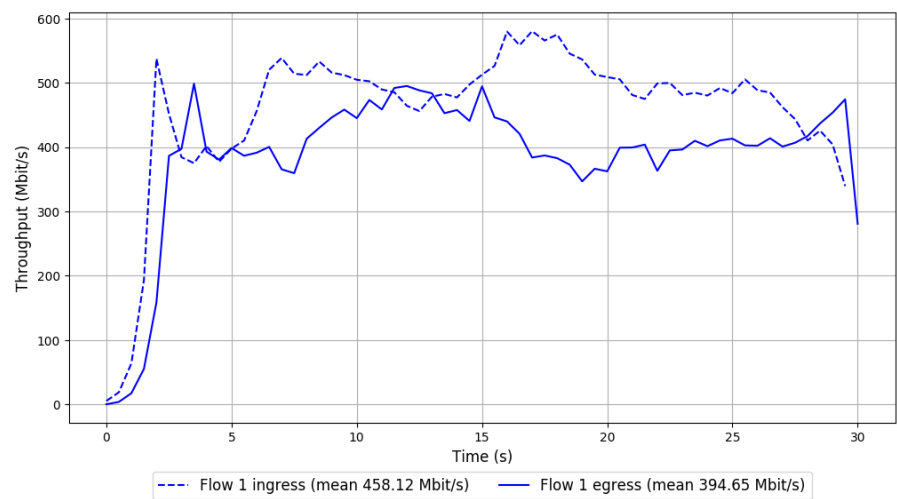


Run 2: Statistics of PCC-Expr

Start at: 2018-07-19 11:51:07
End at: 2018-07-19 11:51:37
Local clock offset: -0.02 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-19 16:44:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 394.65 Mbit/s
95th percentile per-packet one-way delay: 320.950 ms
Loss rate: 14.21%
-- Flow 1:
Average throughput: 394.65 Mbit/s
95th percentile per-packet one-way delay: 320.950 ms
Loss rate: 14.21%

Run 2: Report of PCC-Expr — Data Link

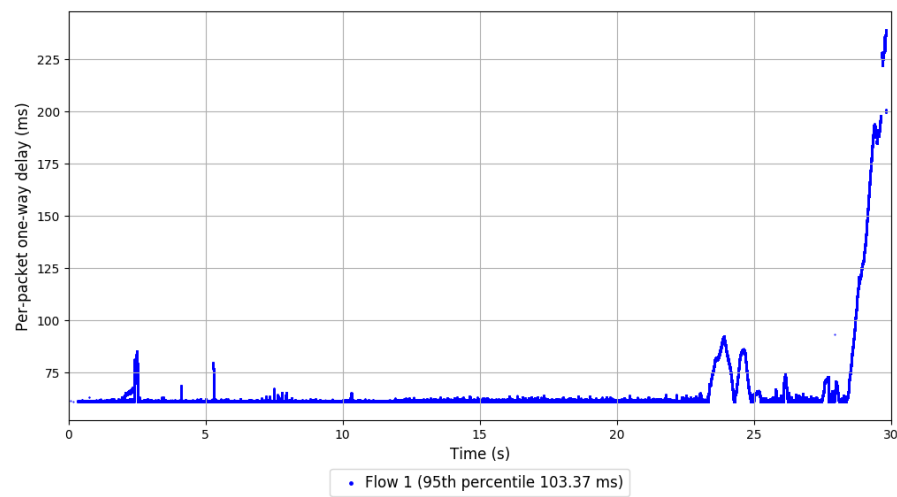
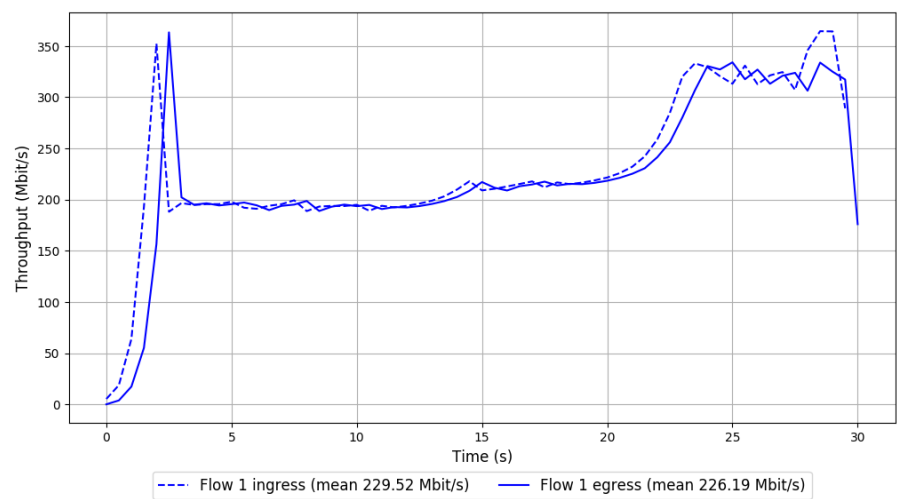


Run 3: Statistics of PCC-Expr

Start at: 2018-07-19 12:13:21
End at: 2018-07-19 12:13:51
Local clock offset: 0.044 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-19 16:44:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.19 Mbit/s
95th percentile per-packet one-way delay: 103.366 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 226.19 Mbit/s
95th percentile per-packet one-way delay: 103.366 ms
Loss rate: 1.86%

Run 3: Report of PCC-Expr — Data Link

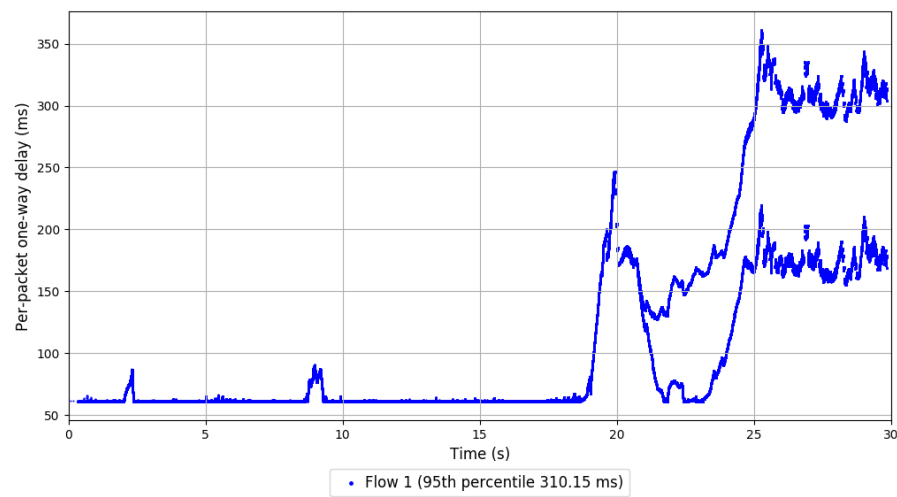
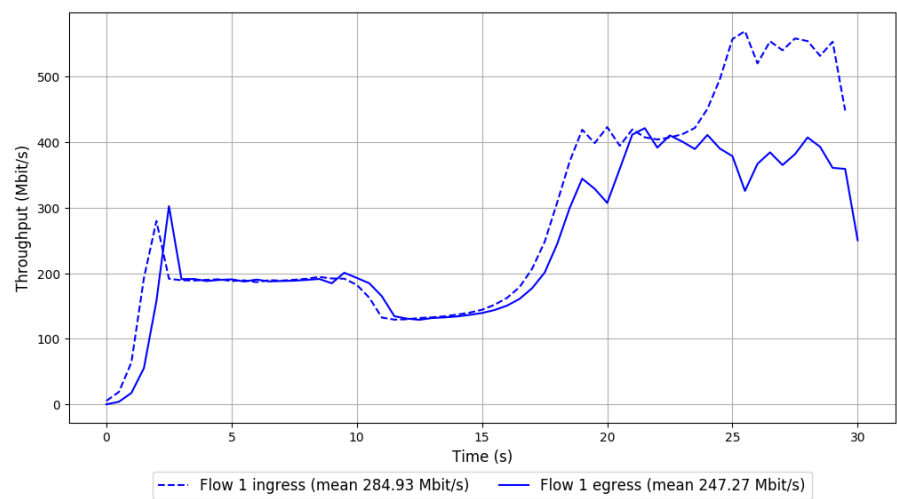


Run 4: Statistics of PCC-Expr

Start at: 2018-07-19 12:35:26
End at: 2018-07-19 12:35:56
Local clock offset: 0.096 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-19 16:44:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.27 Mbit/s
95th percentile per-packet one-way delay: 310.151 ms
Loss rate: 13.57%
-- Flow 1:
Average throughput: 247.27 Mbit/s
95th percentile per-packet one-way delay: 310.151 ms
Loss rate: 13.57%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-19 12:57:30

End at: 2018-07-19 12:58:00

Local clock offset: 0.111 ms

Remote clock offset: 1.332 ms

Below is generated by plot.py at 2018-07-19 16:44:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.87 Mbit/s

95th percentile per-packet one-way delay: 92.066 ms

Loss rate: 0.50%

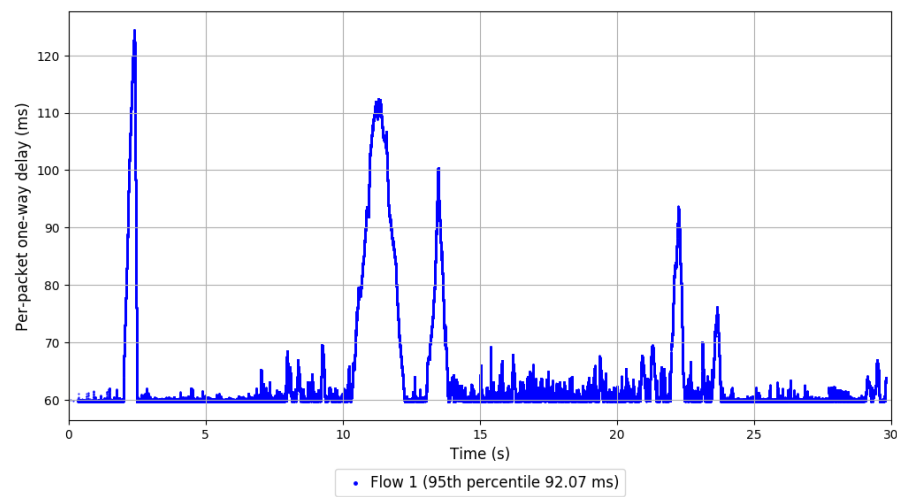
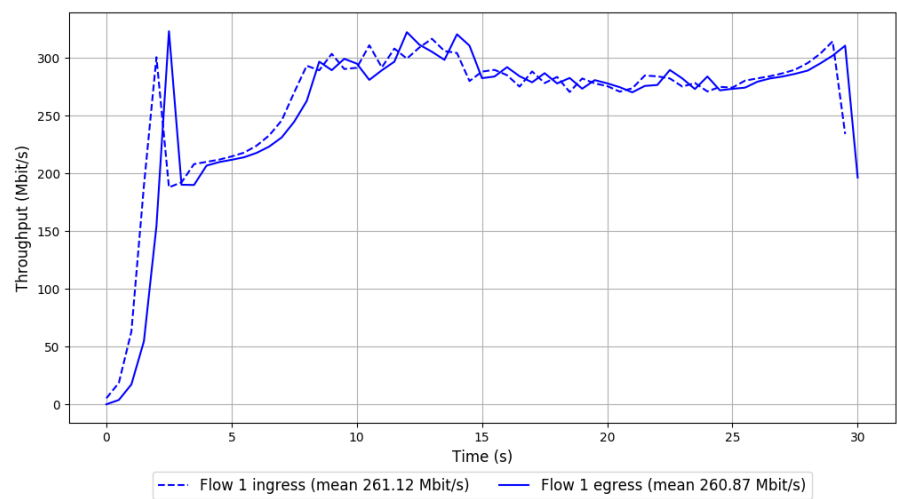
-- Flow 1:

Average throughput: 260.87 Mbit/s

95th percentile per-packet one-way delay: 92.066 ms

Loss rate: 0.50%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-19 13:19:32

End at: 2018-07-19 13:20:02

Local clock offset: 0.154 ms

Remote clock offset: -1.356 ms

Below is generated by plot.py at 2018-07-19 16:44:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.73 Mbit/s

95th percentile per-packet one-way delay: 206.499 ms

Loss rate: 1.97%

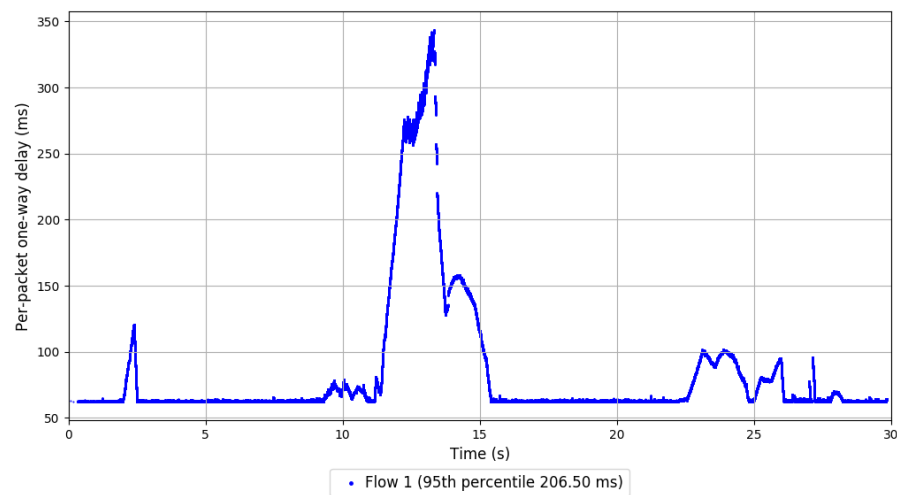
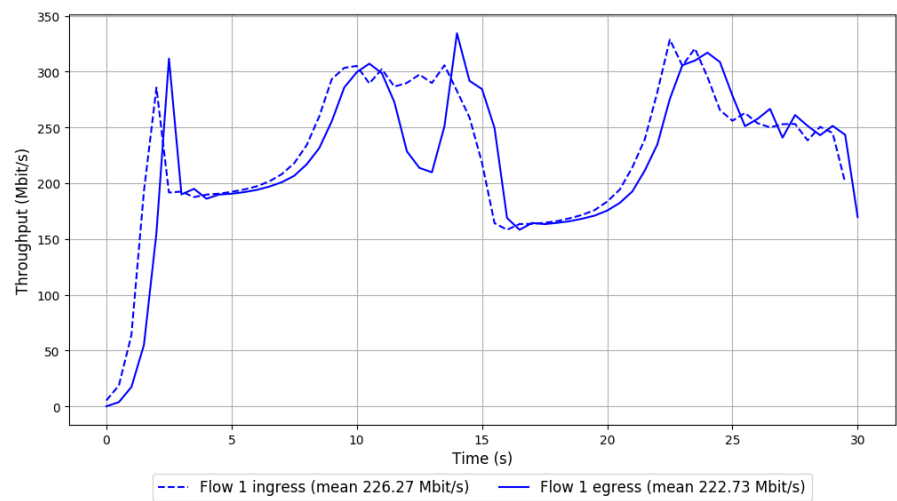
-- Flow 1:

Average throughput: 222.73 Mbit/s

95th percentile per-packet one-way delay: 206.499 ms

Loss rate: 1.97%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-19 13:41:39

End at: 2018-07-19 13:42:09

Local clock offset: 0.129 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-07-19 16:44:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.78 Mbit/s

95th percentile per-packet one-way delay: 91.903 ms

Loss rate: 0.38%

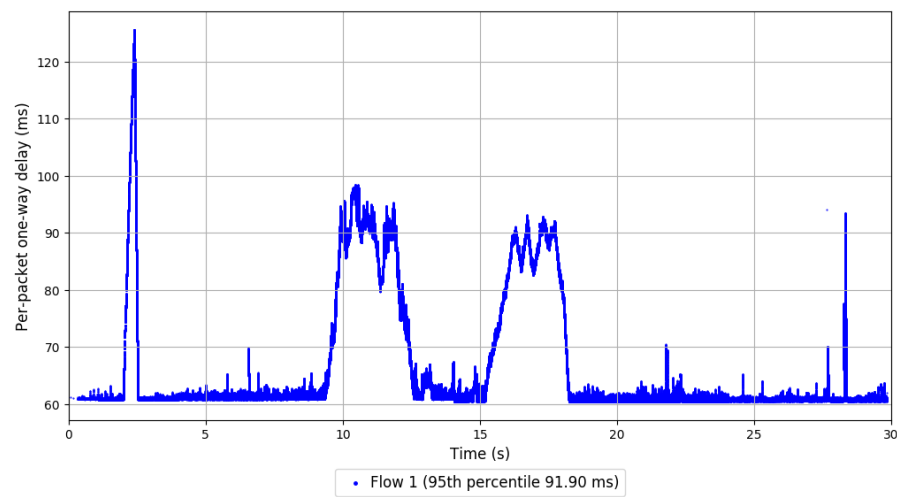
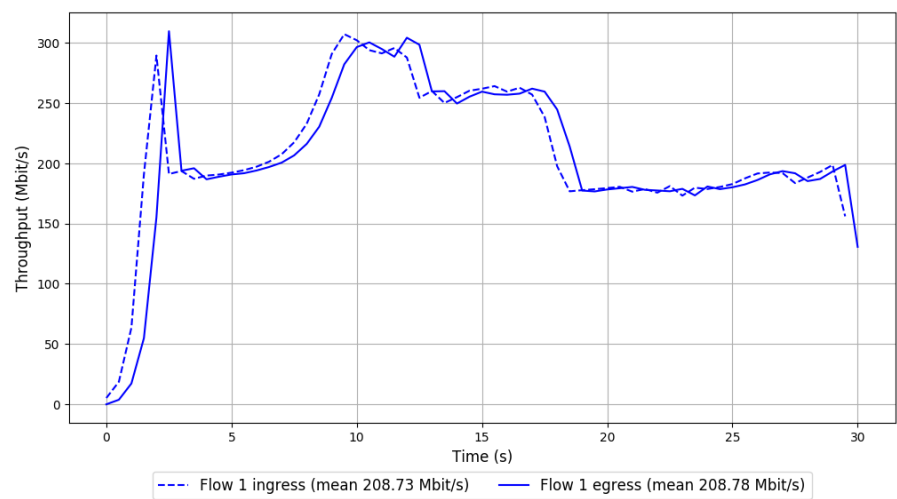
-- Flow 1:

Average throughput: 208.78 Mbit/s

95th percentile per-packet one-way delay: 91.903 ms

Loss rate: 0.38%

Run 7: Report of PCC-Expr — Data Link

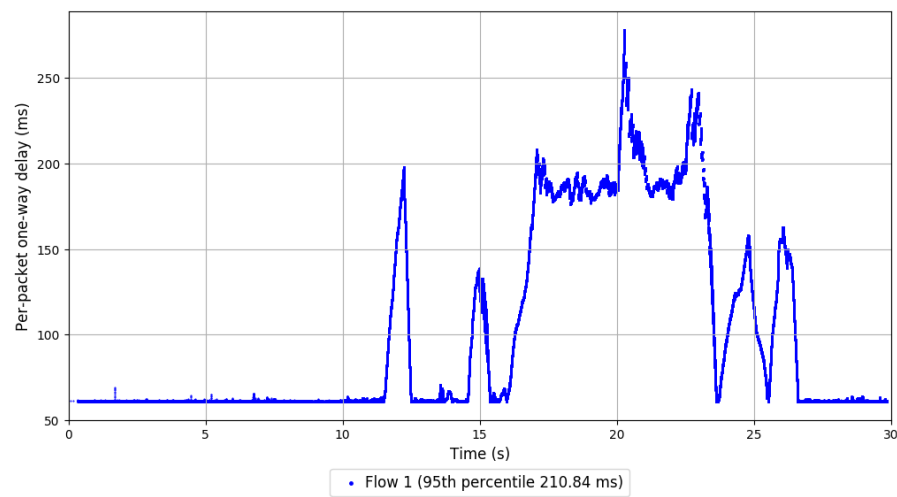
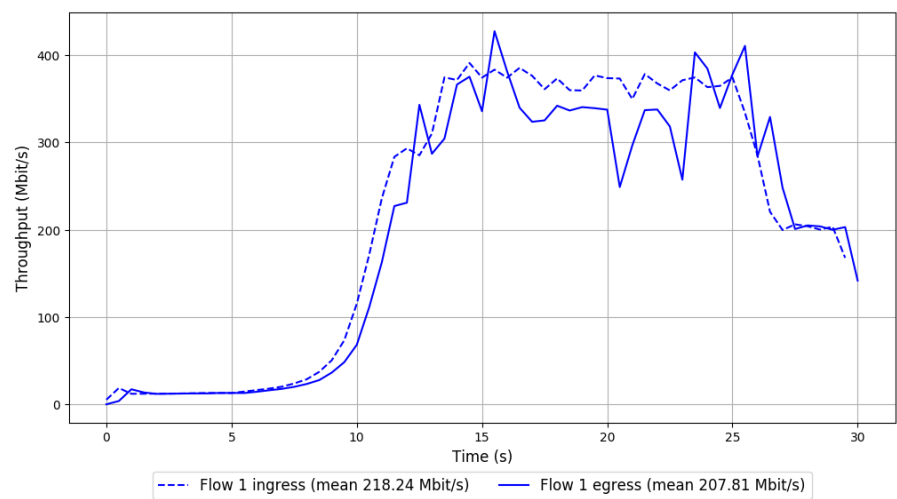


Run 8: Statistics of PCC-Expr

Start at: 2018-07-19 14:03:44
End at: 2018-07-19 14:04:14
Local clock offset: -0.036 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2018-07-19 16:44:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.81 Mbit/s
95th percentile per-packet one-way delay: 210.845 ms
Loss rate: 5.17%
-- Flow 1:
Average throughput: 207.81 Mbit/s
95th percentile per-packet one-way delay: 210.845 ms
Loss rate: 5.17%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-19 14:25:45

End at: 2018-07-19 14:26:15

Local clock offset: -0.111 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-07-19 16:47:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.07 Mbit/s

95th percentile per-packet one-way delay: 173.979 ms

Loss rate: 4.43%

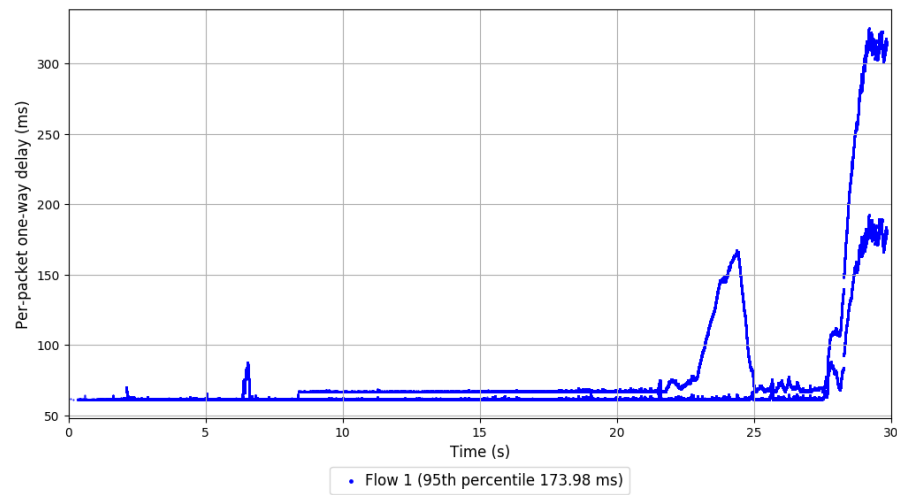
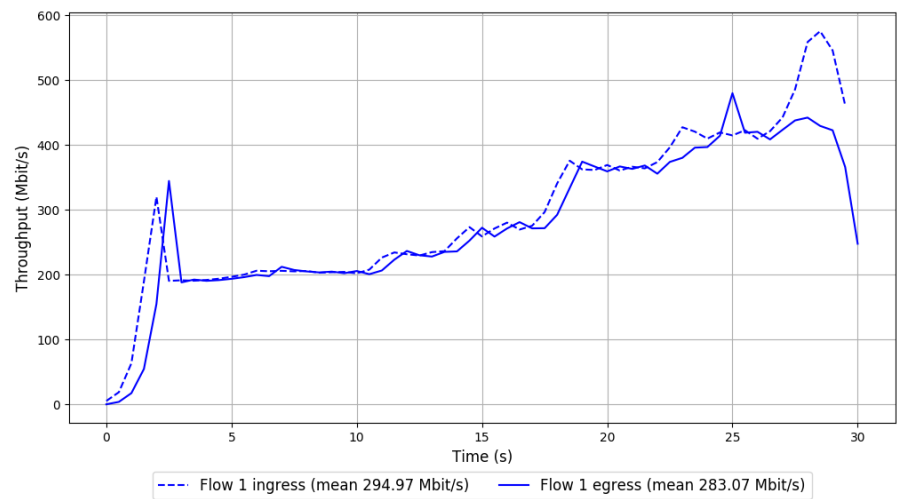
-- Flow 1:

Average throughput: 283.07 Mbit/s

95th percentile per-packet one-way delay: 173.979 ms

Loss rate: 4.43%

Run 9: Report of PCC-Expr — Data Link

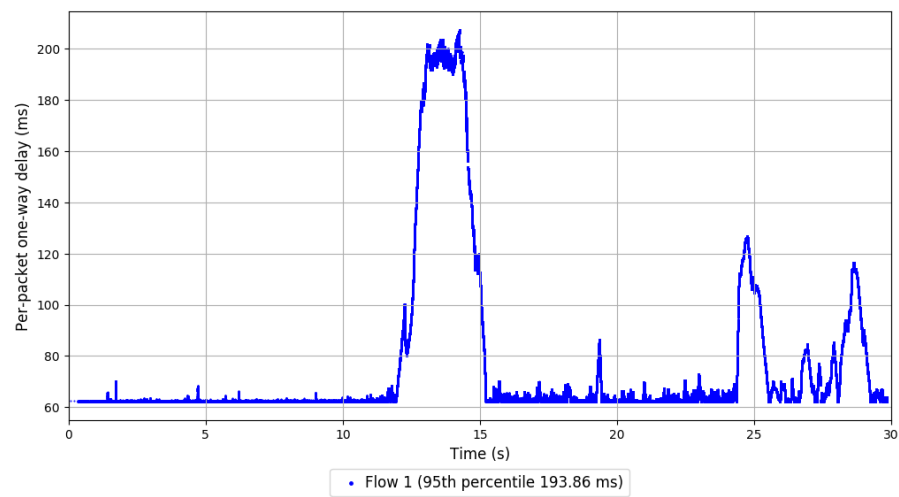
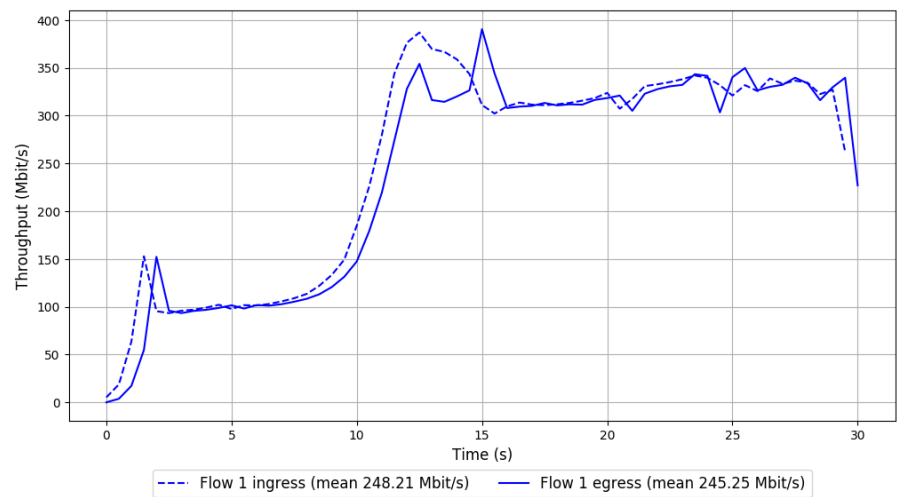


Run 10: Statistics of PCC-Expr

Start at: 2018-07-19 14:47:47
End at: 2018-07-19 14:48:17
Local clock offset: -0.028 ms
Remote clock offset: -1.449 ms

Below is generated by plot.py at 2018-07-19 16:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.25 Mbit/s
95th percentile per-packet one-way delay: 193.861 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 245.25 Mbit/s
95th percentile per-packet one-way delay: 193.861 ms
Loss rate: 1.60%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

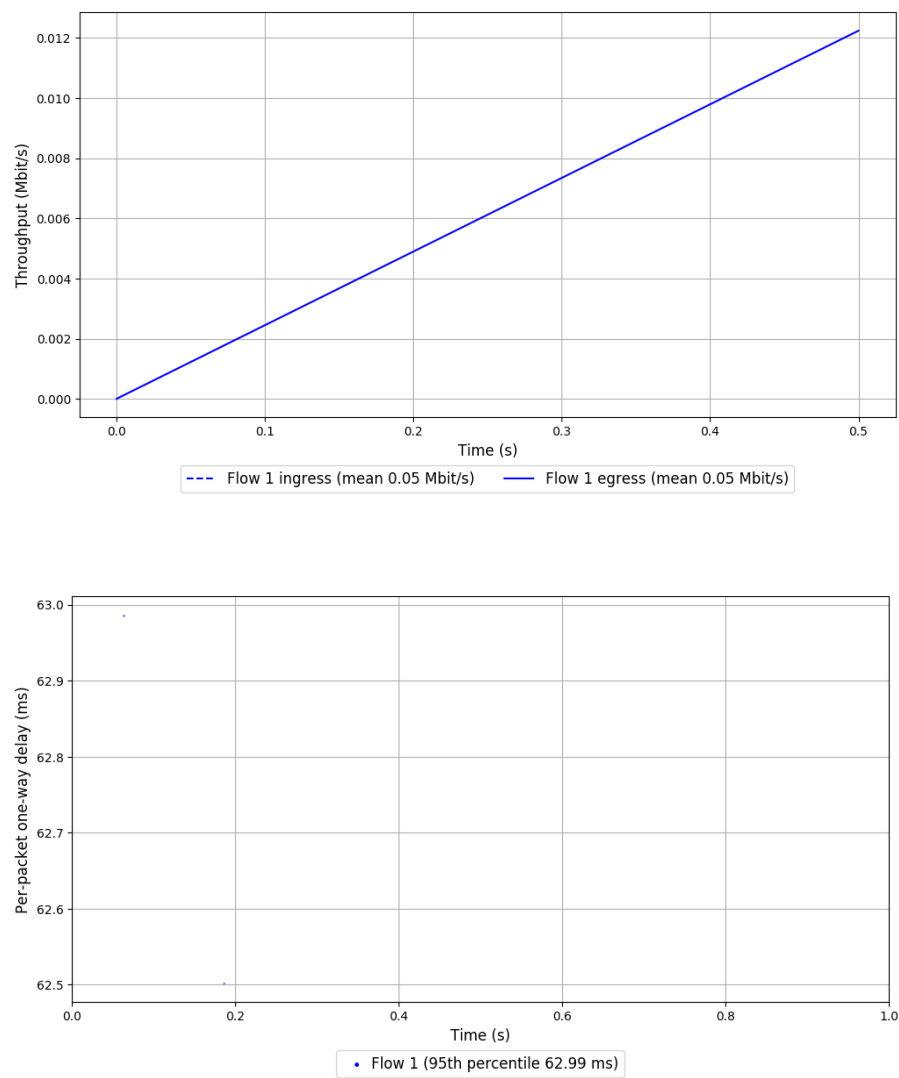
Start at: 2018-07-19 11:44:55

End at: 2018-07-19 11:45:25

Local clock offset: -0.013 ms

Remote clock offset: -1.405 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-19 12:07:05

End at: 2018-07-19 12:07:35

Local clock offset: 0.001 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.16 Mbit/s

95th percentile per-packet one-way delay: 61.074 ms

Loss rate: 0.68%

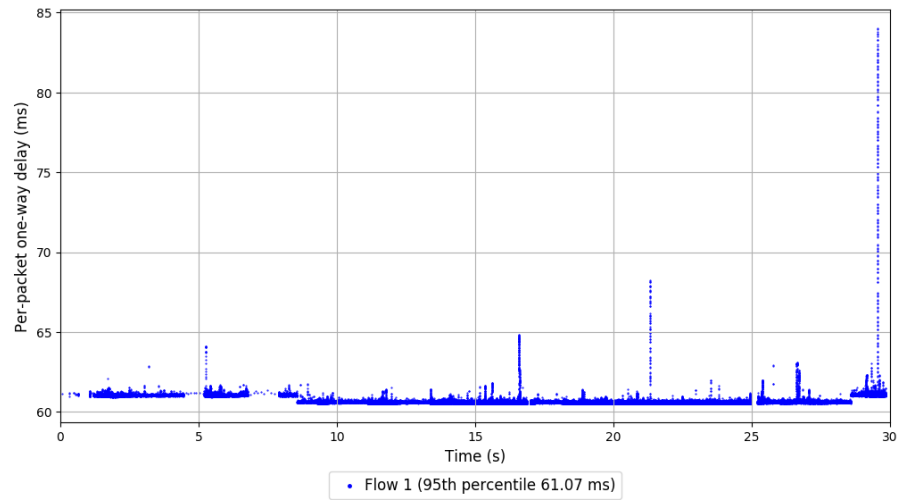
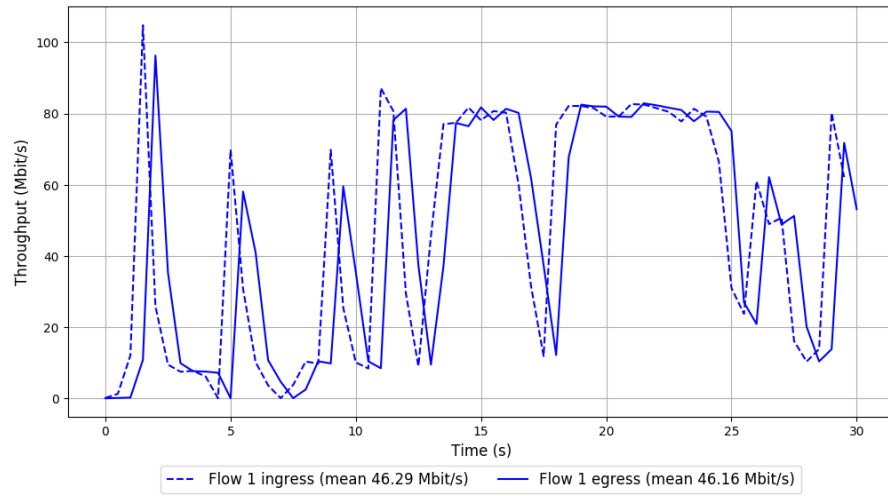
-- Flow 1:

Average throughput: 46.16 Mbit/s

95th percentile per-packet one-way delay: 61.074 ms

Loss rate: 0.68%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-19 12:29:11

End at: 2018-07-19 12:29:41

Local clock offset: 0.07 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.47 Mbit/s

95th percentile per-packet one-way delay: 61.031 ms

Loss rate: 0.69%

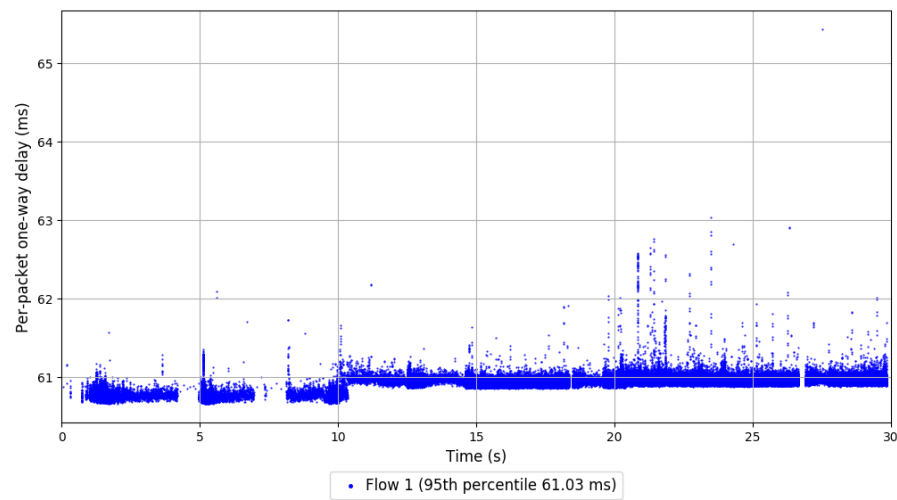
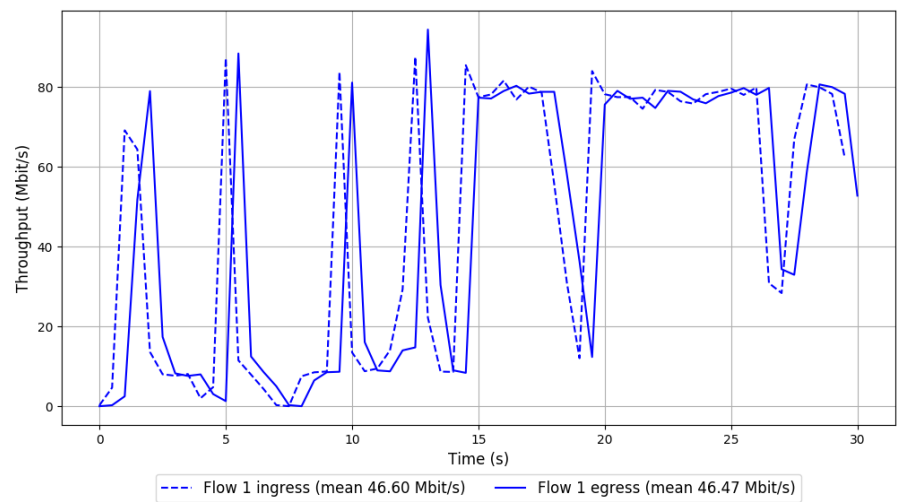
-- Flow 1:

Average throughput: 46.47 Mbit/s

95th percentile per-packet one-way delay: 61.031 ms

Loss rate: 0.69%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-19 12:51:08

End at: 2018-07-19 12:51:39

Local clock offset: 0.102 ms

Remote clock offset: -1.211 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.71 Mbit/s

95th percentile per-packet one-way delay: 62.788 ms

Loss rate: 0.65%

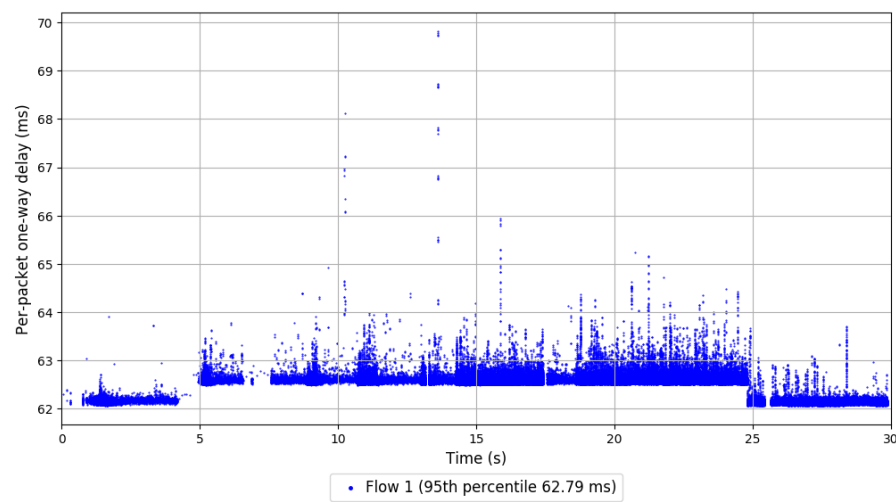
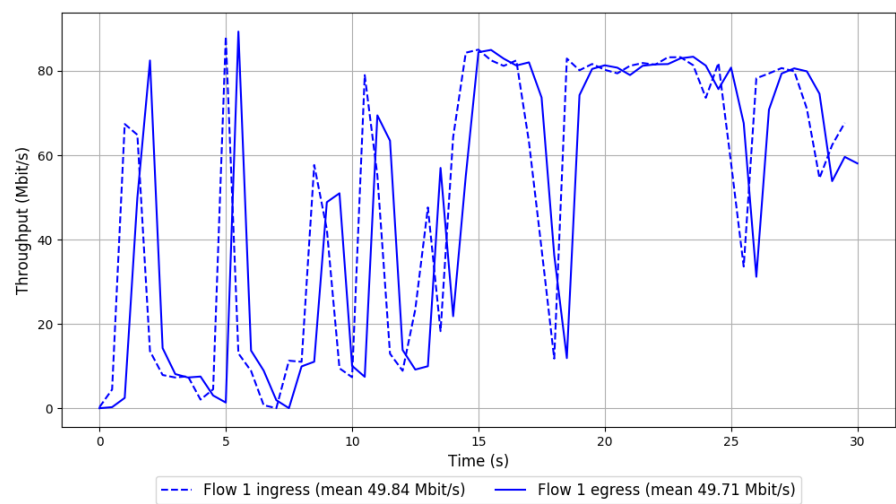
-- Flow 1:

Average throughput: 49.71 Mbit/s

95th percentile per-packet one-way delay: 62.788 ms

Loss rate: 0.65%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-19 13:13:11

End at: 2018-07-19 13:13:41

Local clock offset: 0.144 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.63 Mbit/s

95th percentile per-packet one-way delay: 61.059 ms

Loss rate: 0.69%

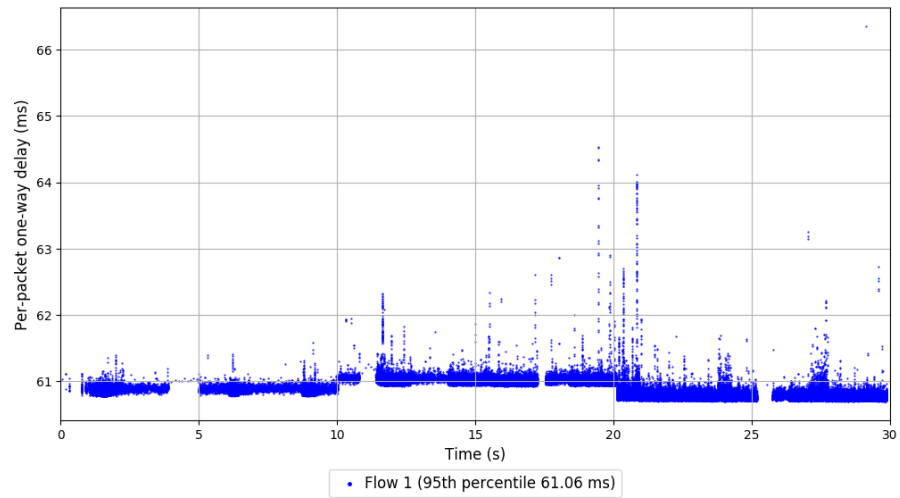
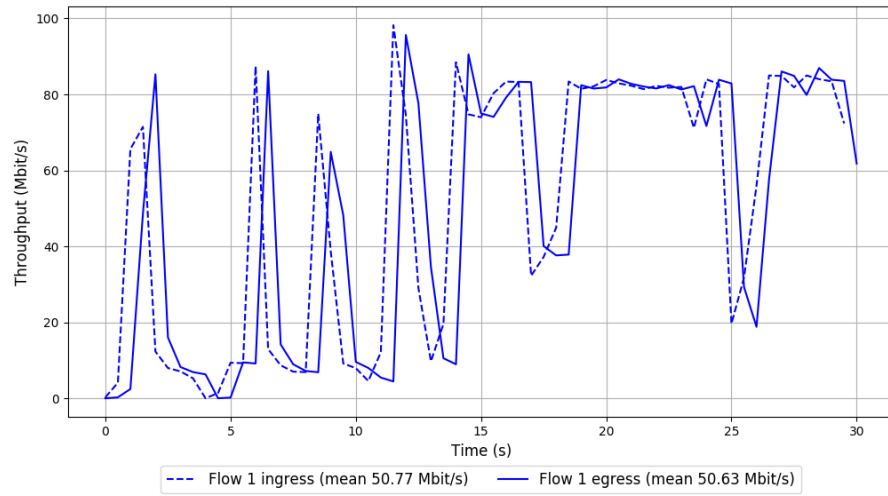
-- Flow 1:

Average throughput: 50.63 Mbit/s

95th percentile per-packet one-way delay: 61.059 ms

Loss rate: 0.69%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-19 13:35:25

End at: 2018-07-19 13:35:55

Local clock offset: 0.194 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.04 Mbit/s

95th percentile per-packet one-way delay: 61.014 ms

Loss rate: 0.69%

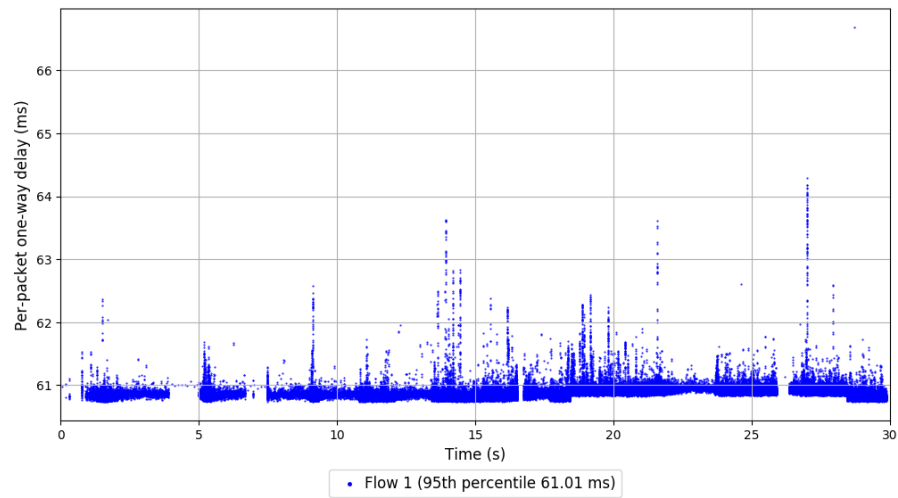
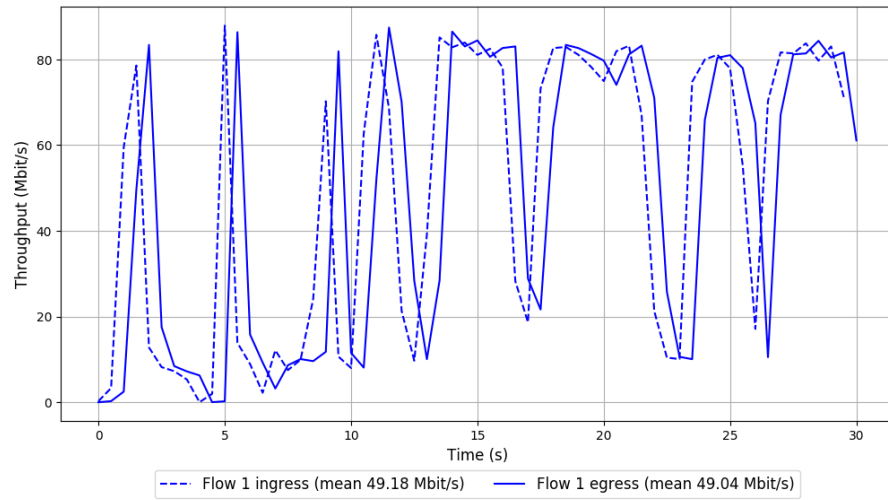
-- Flow 1:

Average throughput: 49.04 Mbit/s

95th percentile per-packet one-way delay: 61.014 ms

Loss rate: 0.69%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-19 13:57:27

End at: 2018-07-19 13:57:57

Local clock offset: 0.025 ms

Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.21 Mbit/s

95th percentile per-packet one-way delay: 61.356 ms

Loss rate: 0.62%

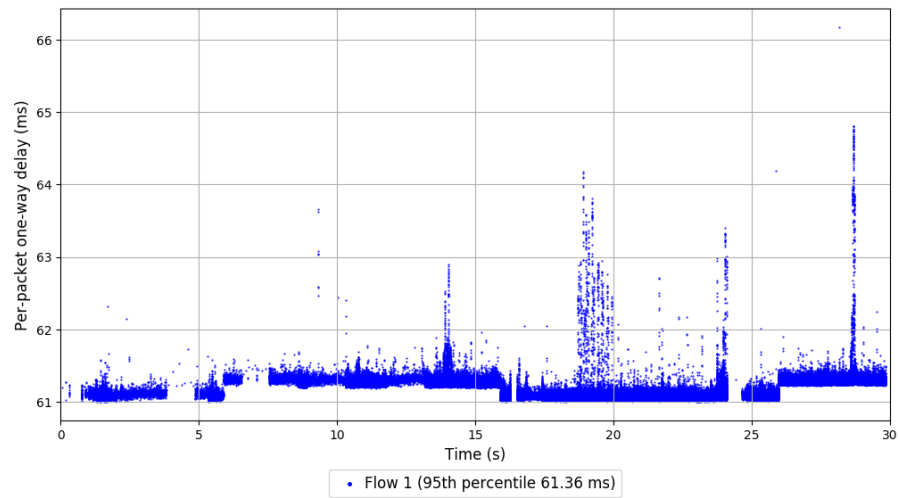
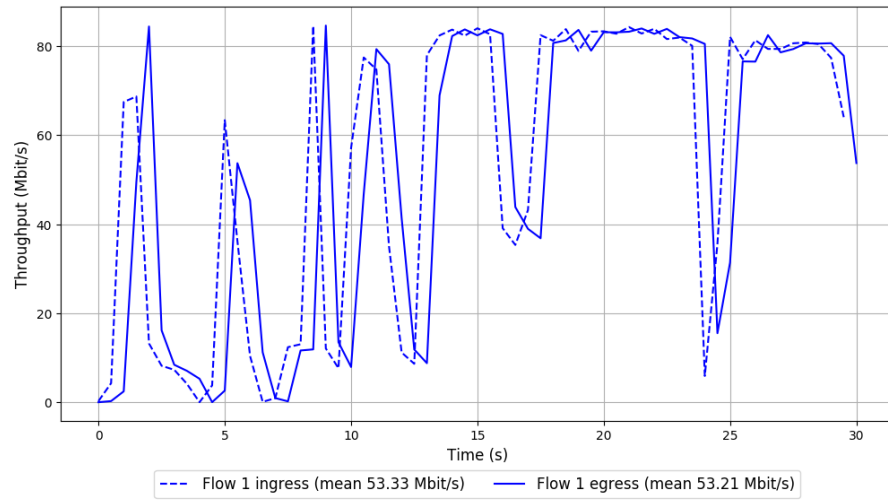
-- Flow 1:

Average throughput: 53.21 Mbit/s

95th percentile per-packet one-way delay: 61.356 ms

Loss rate: 0.62%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-19 14:19:32

End at: 2018-07-19 14:20:02

Local clock offset: -0.091 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 61.069 ms

Loss rate: 0.60%

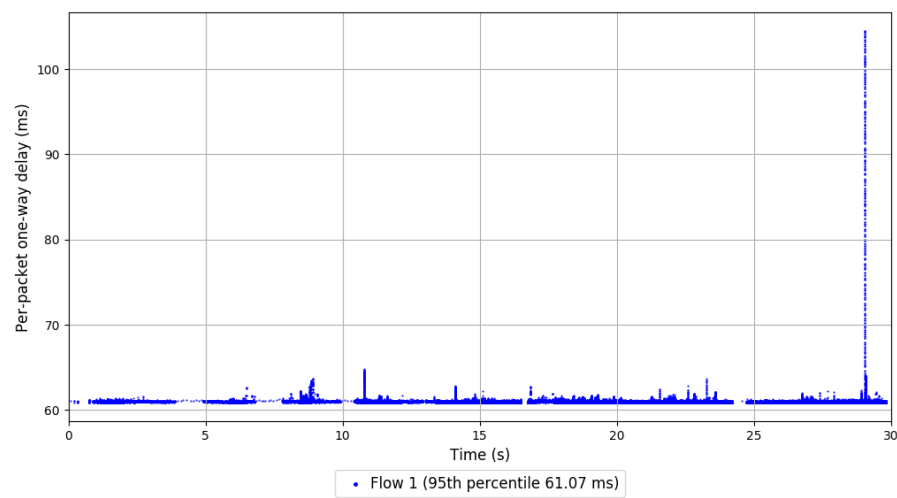
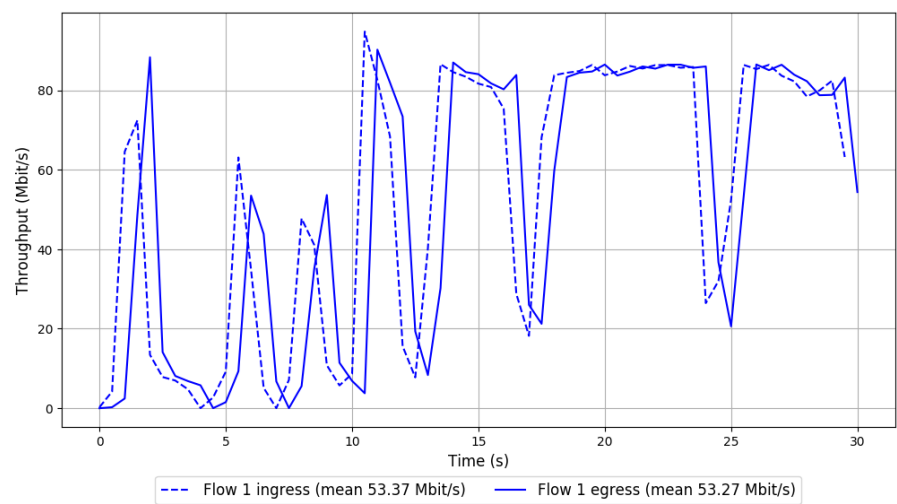
-- Flow 1:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 61.069 ms

Loss rate: 0.60%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-19 14:41:29

End at: 2018-07-19 14:41:59

Local clock offset: -0.061 ms

Remote clock offset: 1.085 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 60.126 ms

Loss rate: 0.61%

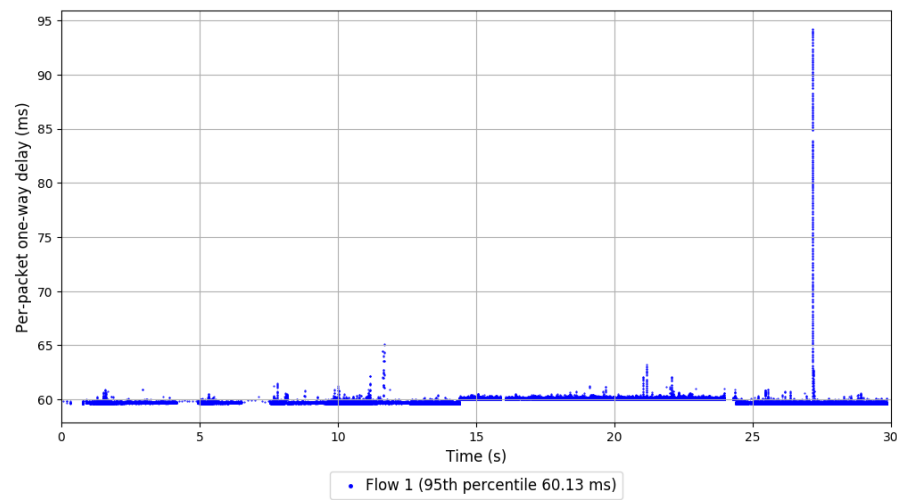
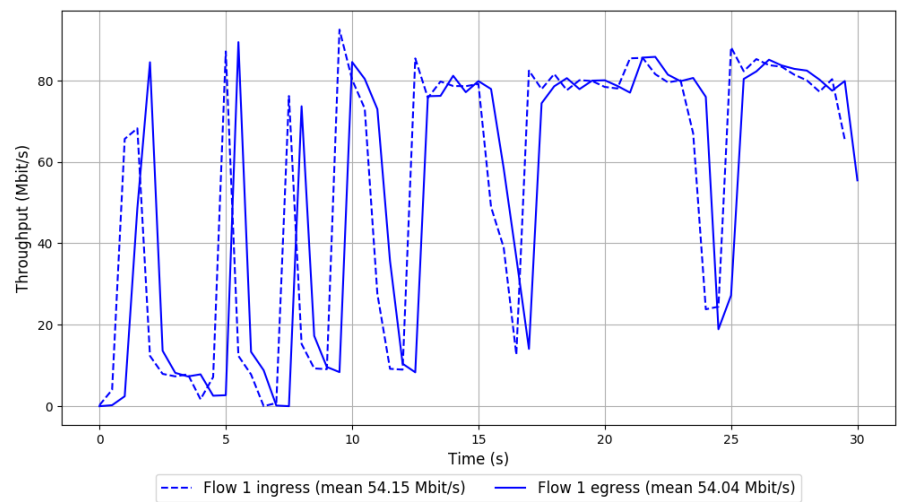
-- Flow 1:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 60.126 ms

Loss rate: 0.61%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-19 15:03:30

End at: 2018-07-19 15:04:00

Local clock offset: -0.05 ms

Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.55 Mbit/s

95th percentile per-packet one-way delay: 66.935 ms

Loss rate: 0.58%

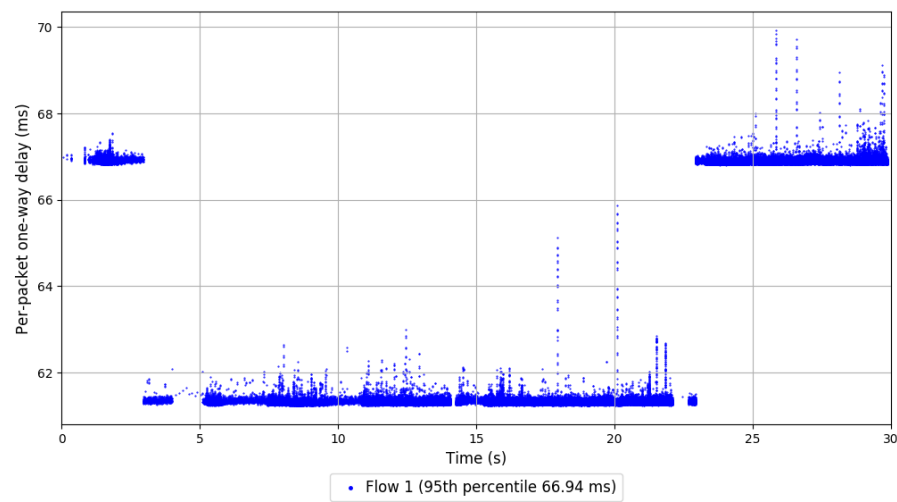
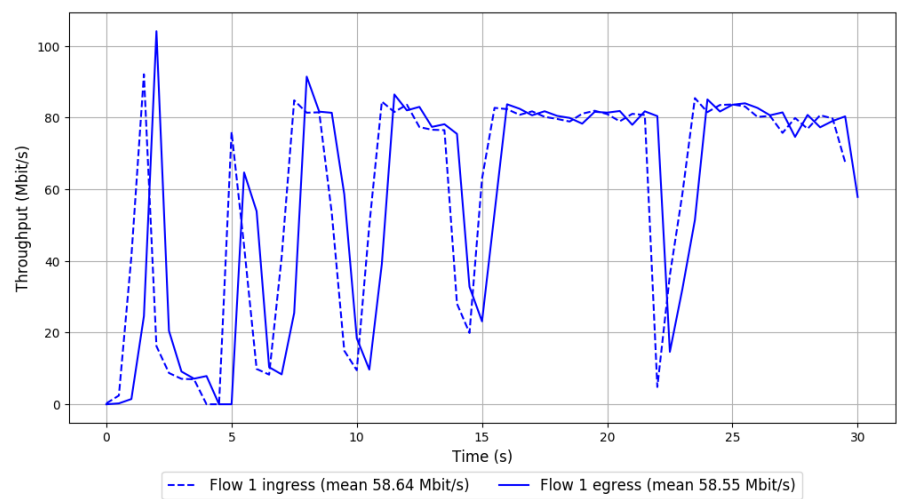
-- Flow 1:

Average throughput: 58.55 Mbit/s

95th percentile per-packet one-way delay: 66.935 ms

Loss rate: 0.58%

Run 10: Report of QUIC Cubic — Data Link

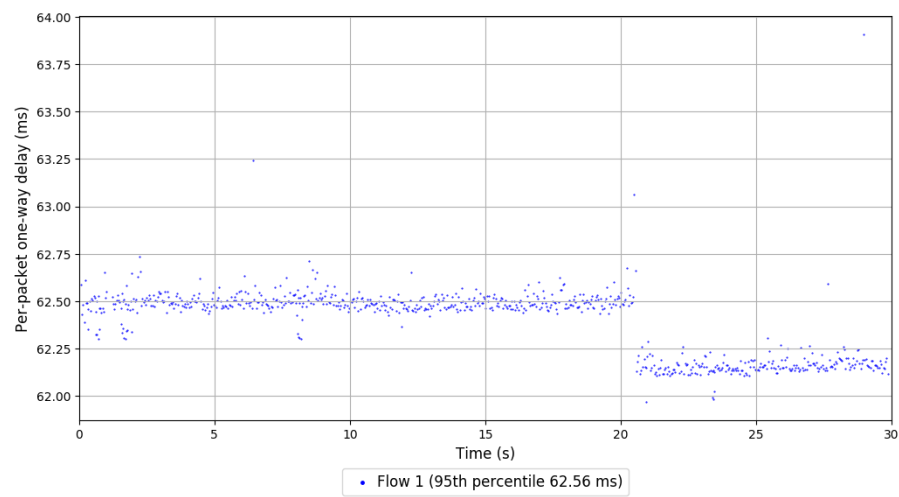
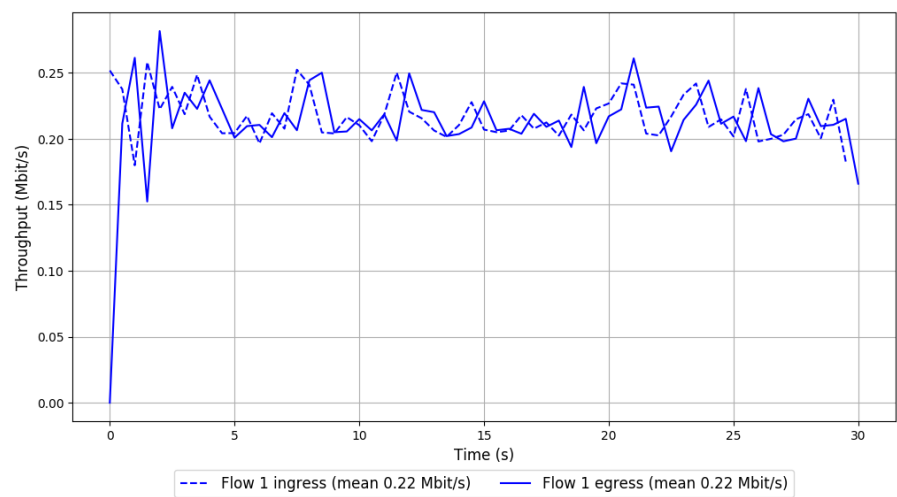


```
Run 1: Statistics of SCReAM

Start at: 2018-07-19 11:34:33
End at: 2018-07-19 11:35:03
Local clock offset: -0.051 ms
Remote clock offset: -1.258 ms

# Below is generated by plot.py at 2018-07-19 16:48:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.562 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.562 ms
Loss rate: 0.38%
```

Run 1: Report of SReAM — Data Link

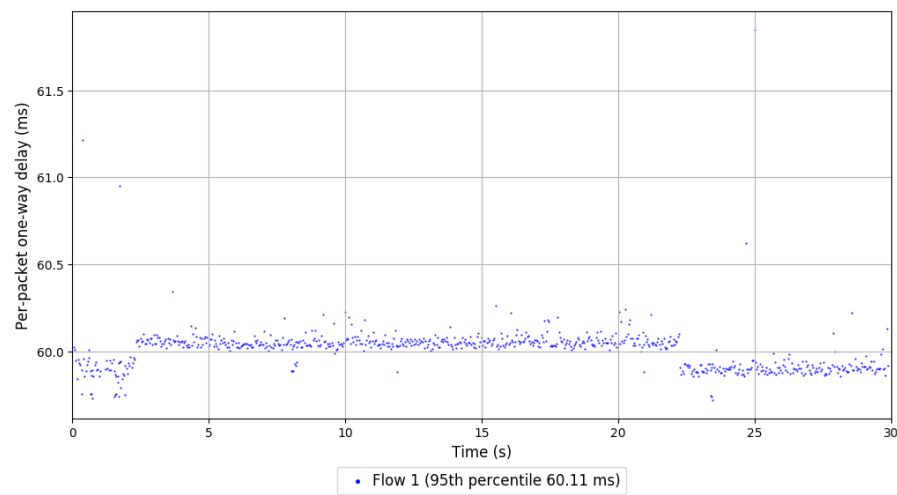
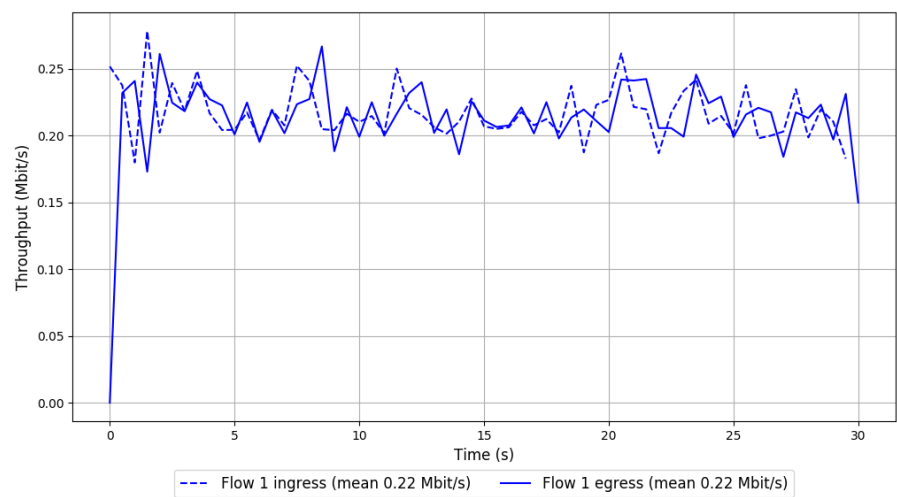


```
Run 2: Statistics of SCReAM

Start at: 2018-07-19 11:56:41
End at: 2018-07-19 11:57:11
Local clock offset: -0.002 ms
Remote clock offset: 1.114 ms

# Below is generated by plot.py at 2018-07-19 16:48:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.113 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.113 ms
Loss rate: 0.38%
```

Run 2: Report of SReAM — Data Link

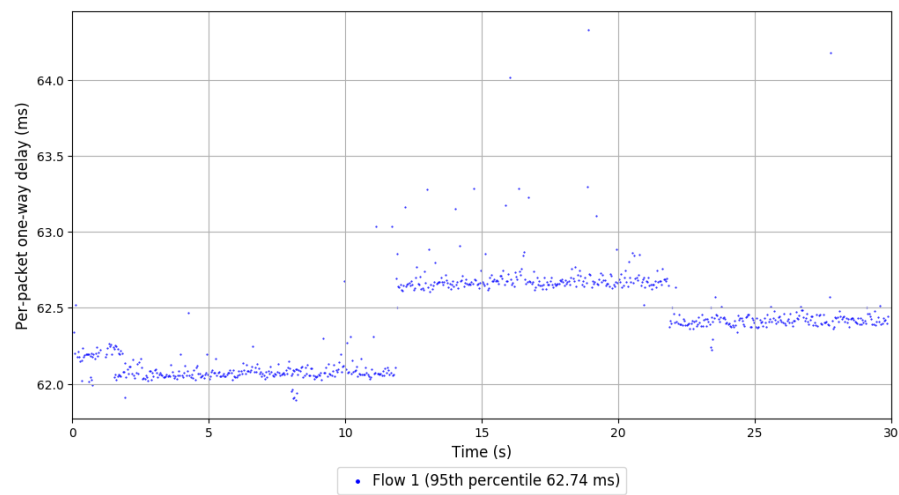
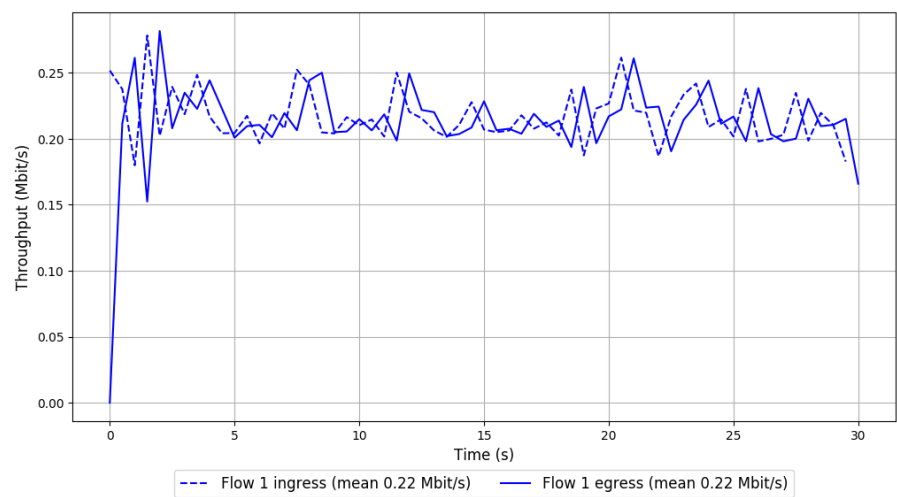


Run 3: Statistics of SCReAM

Start at: 2018-07-19 12:18:51
End at: 2018-07-19 12:19:21
Local clock offset: 0.032 ms
Remote clock offset: -1.185 ms

Below is generated by plot.py at 2018-07-19 16:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.739 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.739 ms
Loss rate: 0.38%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-19 12:40:52

End at: 2018-07-19 12:41:22

Local clock offset: 0.002 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.919 ms

Loss rate: 0.38%

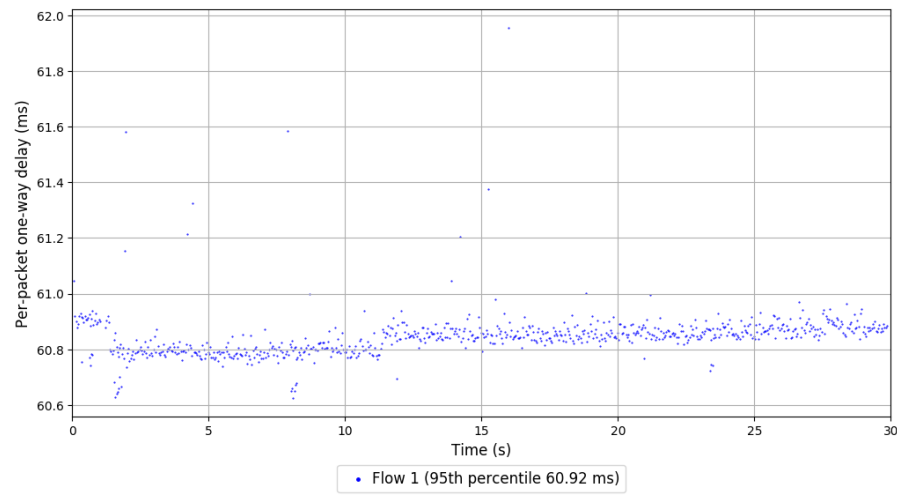
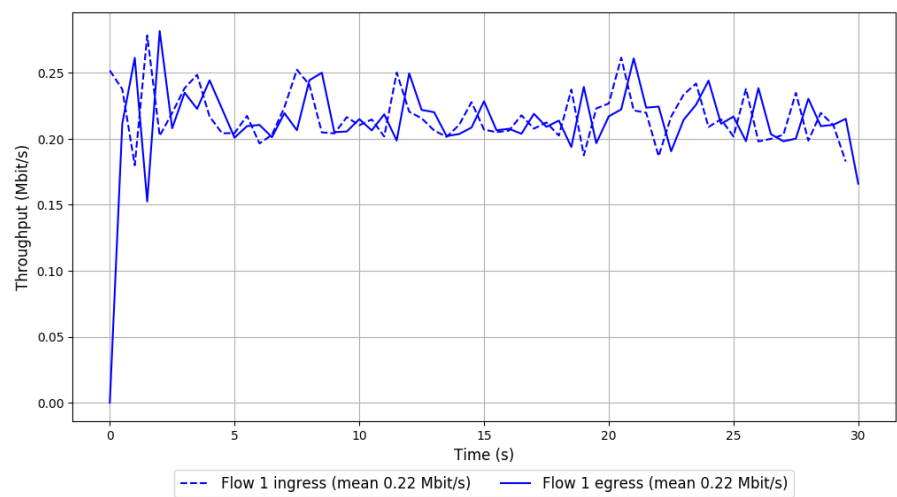
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.919 ms

Loss rate: 0.38%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-19 13:02:56

End at: 2018-07-19 13:03:26

Local clock offset: 0.115 ms

Remote clock offset: 1.336 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.486 ms

Loss rate: 0.51%

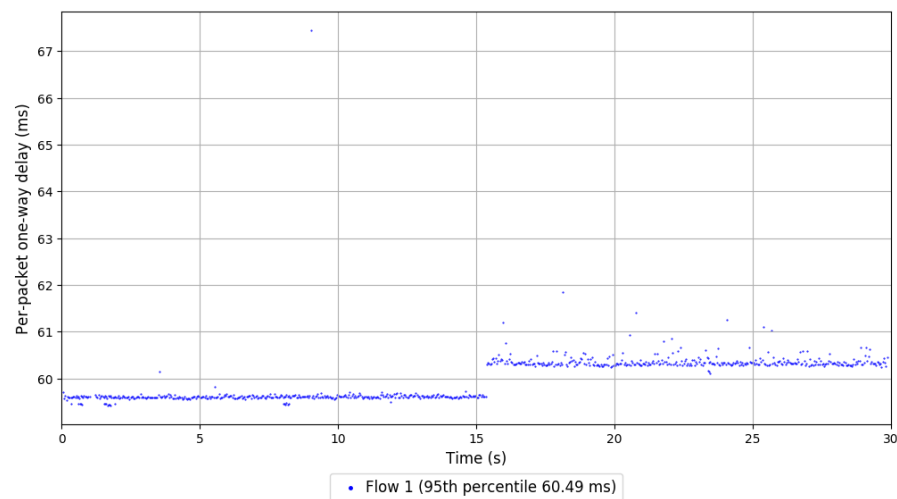
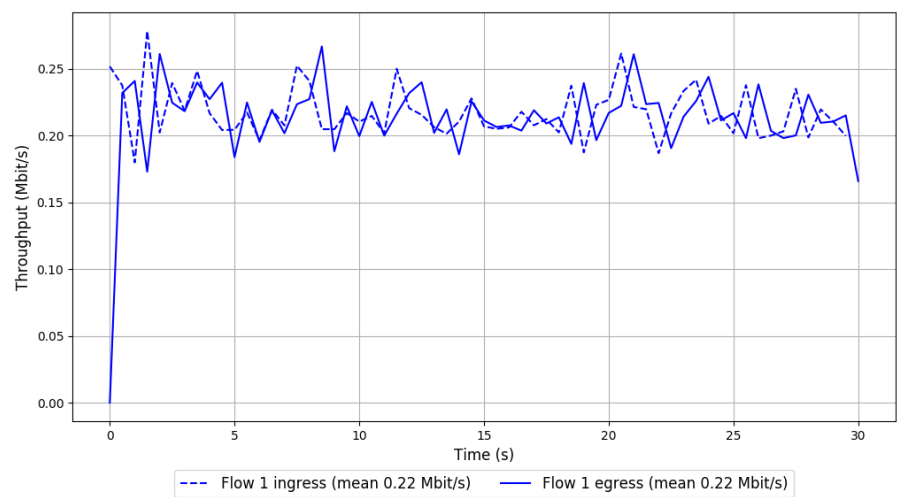
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.486 ms

Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

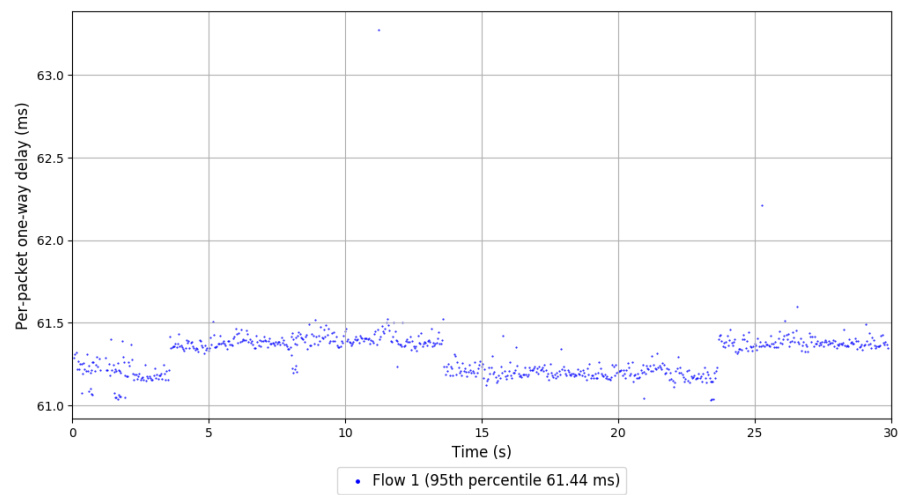
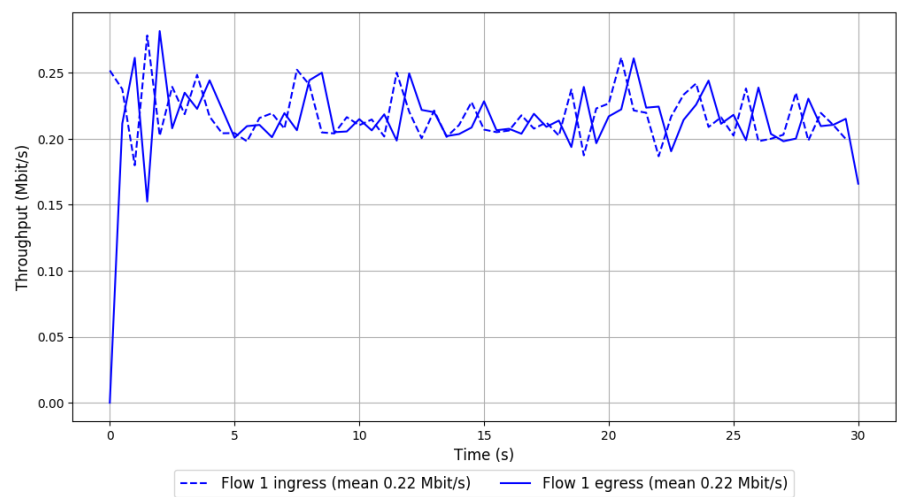


Run 6: Statistics of SCReAM

Start at: 2018-07-19 13:25:00
End at: 2018-07-19 13:25:30
Local clock offset: 0.17 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-19 16:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.442 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.442 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

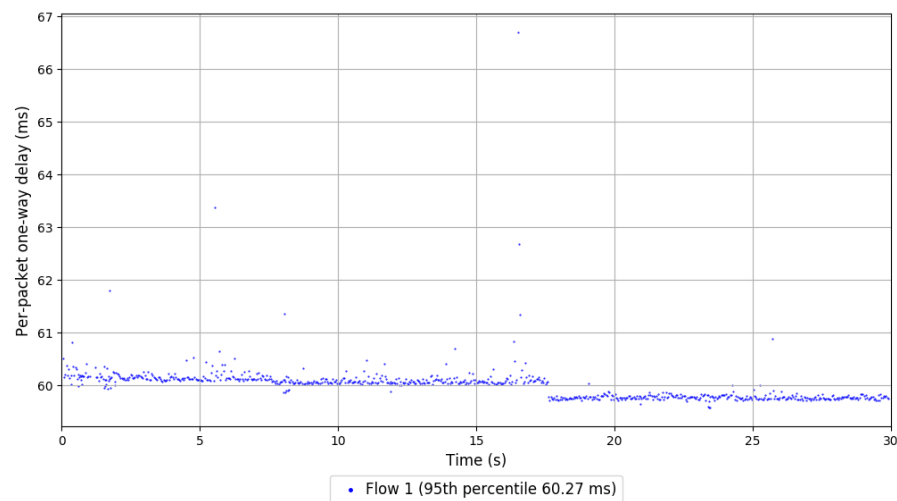
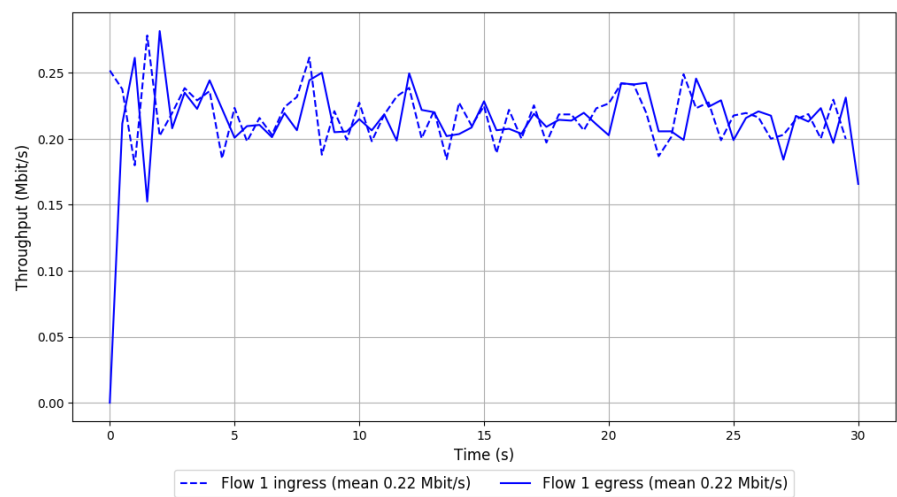


```
Run 7: Statistics of SCReAM

Start at: 2018-07-19 13:47:06
End at: 2018-07-19 13:47:36
Local clock offset: 0.189 ms
Remote clock offset: 1.151 ms

# Below is generated by plot.py at 2018-07-19 16:48:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.268 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.268 ms
Loss rate: 0.39%
```

Run 7: Report of SReAM — Data Link

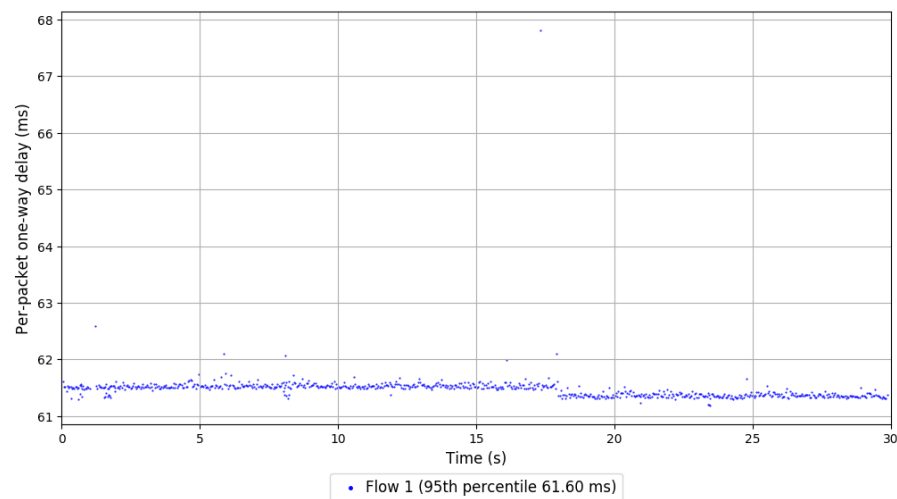
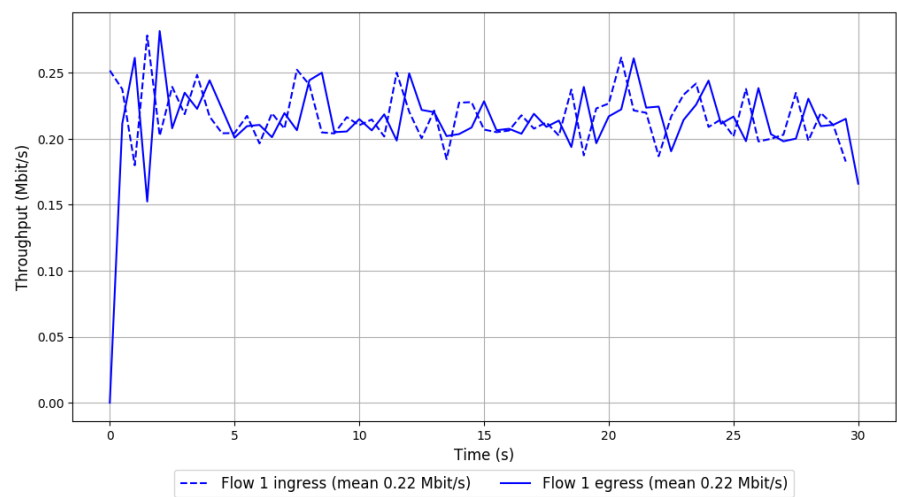


Run 8: Statistics of SCReAM

Start at: 2018-07-19 14:09:05
End at: 2018-07-19 14:09:35
Local clock offset: -0.085 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-07-19 16:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.604 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.604 ms
Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-19 14:31:13

End at: 2018-07-19 14:31:43

Local clock offset: -0.061 ms

Remote clock offset: 1.276 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.001 ms

Loss rate: 0.38%

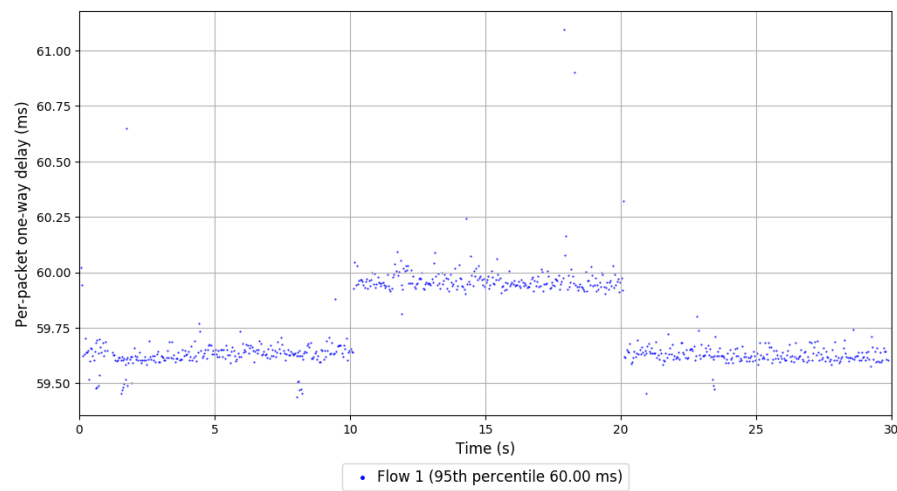
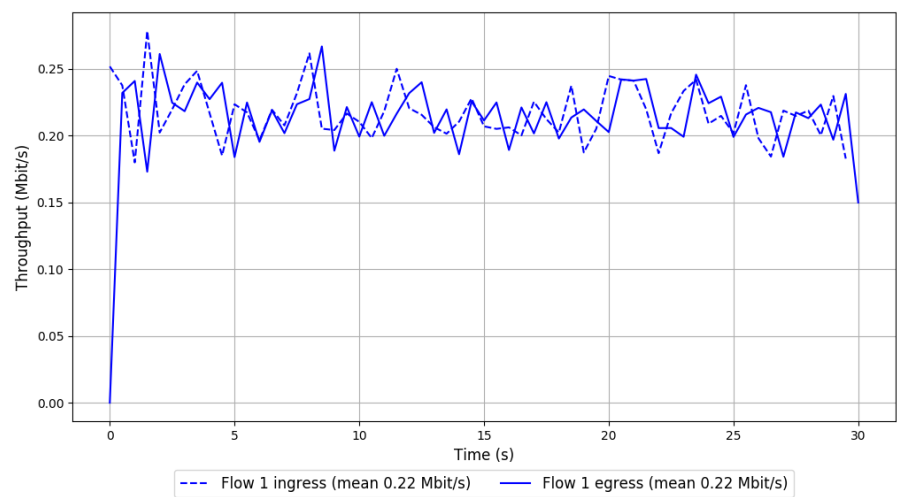
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.001 ms

Loss rate: 0.38%

Run 9: Report of SReAM — Data Link

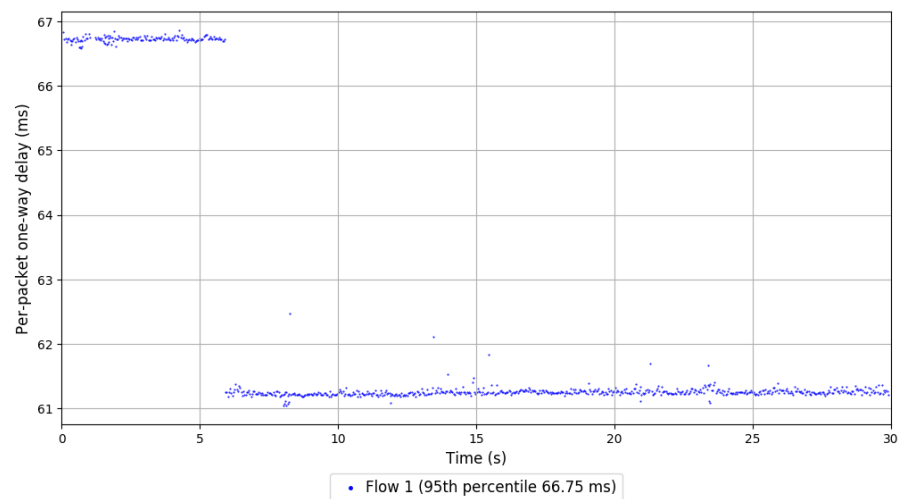
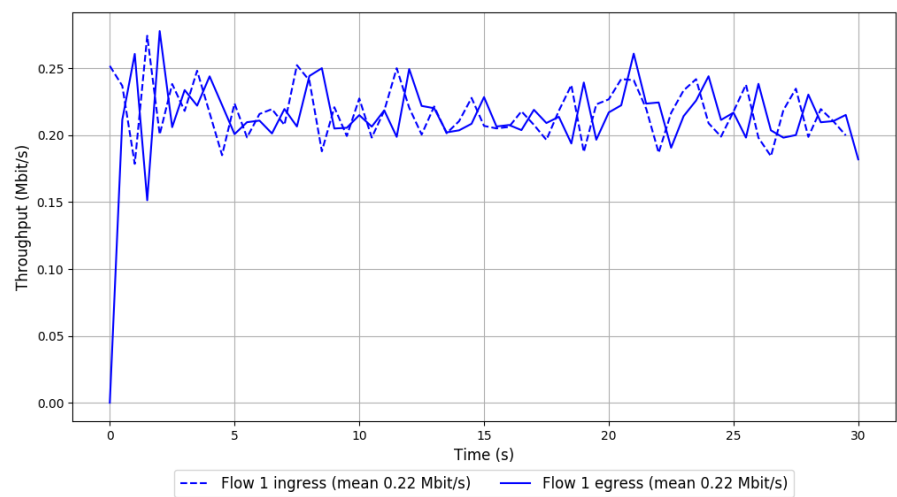


Run 10: Statistics of SReAM

Start at: 2018-07-19 14:53:17
End at: 2018-07-19 14:53:48
Local clock offset: -0.041 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-19 16:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.746 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.746 ms
Loss rate: 0.39%

Run 10: Report of SReAM — Data Link

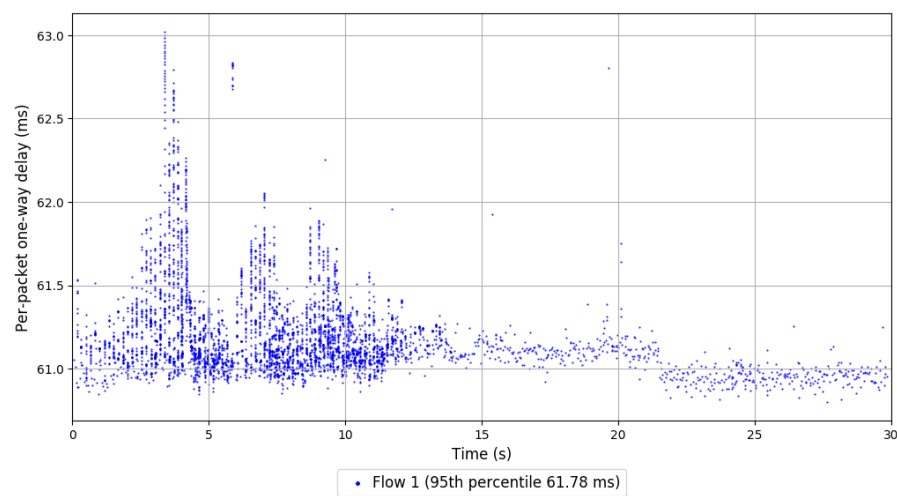
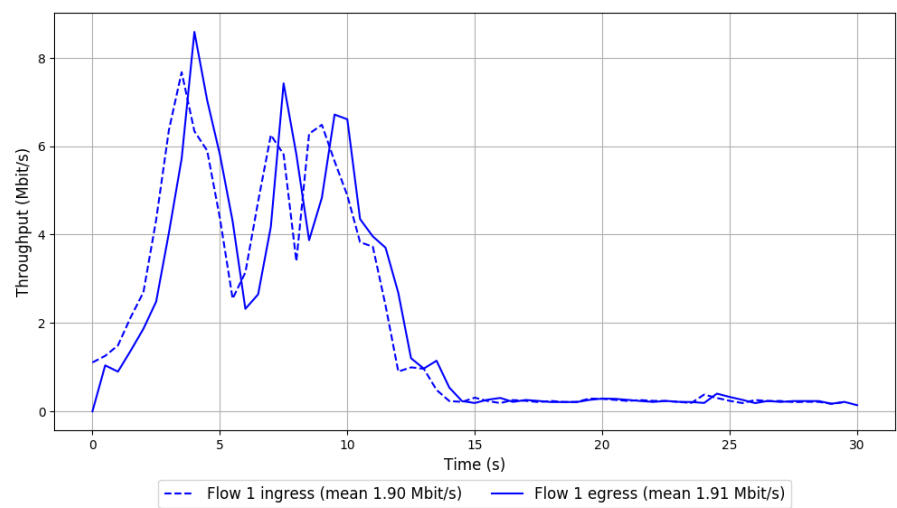


```
Run 1: Statistics of Sprout

Start at: 2018-07-19 11:48:42
End at: 2018-07-19 11:49:12
Local clock offset: 0.002 ms
Remote clock offset: 0.095 ms

# Below is generated by plot.py at 2018-07-19 16:48:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 61.782 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 61.782 ms
Loss rate: 0.06%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-19 12:10:56

End at: 2018-07-19 12:11:26

Local clock offset: 0.0 ms

Remote clock offset: 1.066 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 60.429 ms

Loss rate: 0.28%

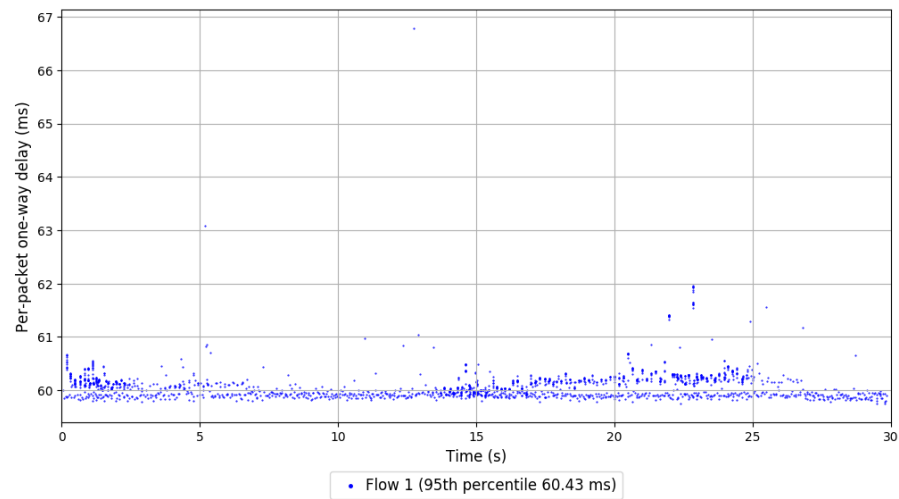
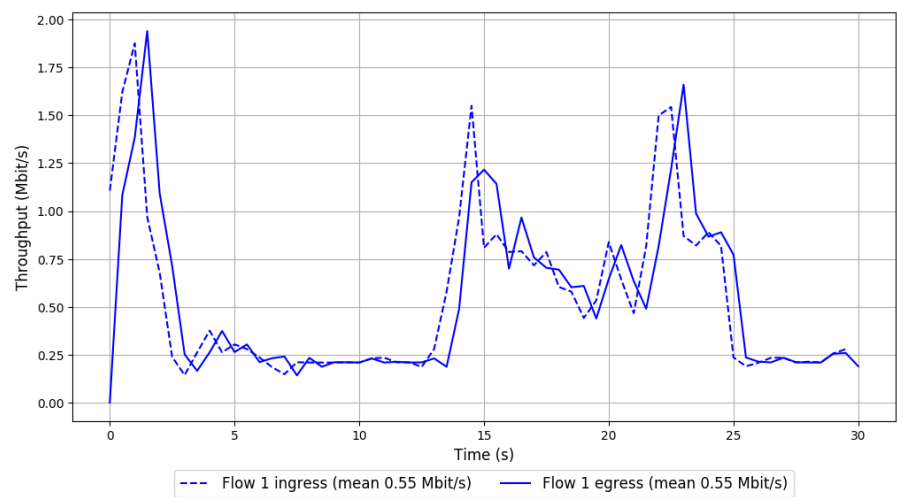
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 60.429 ms

Loss rate: 0.28%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-19 12:33:00

End at: 2018-07-19 12:33:30

Local clock offset: 0.071 ms

Remote clock offset: 1.408 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.64 Mbit/s

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

Loss rate: 0.61%

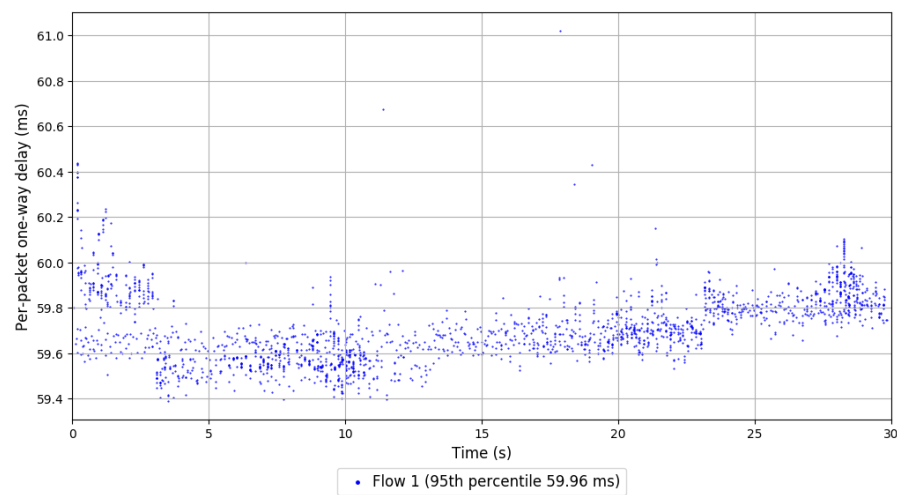
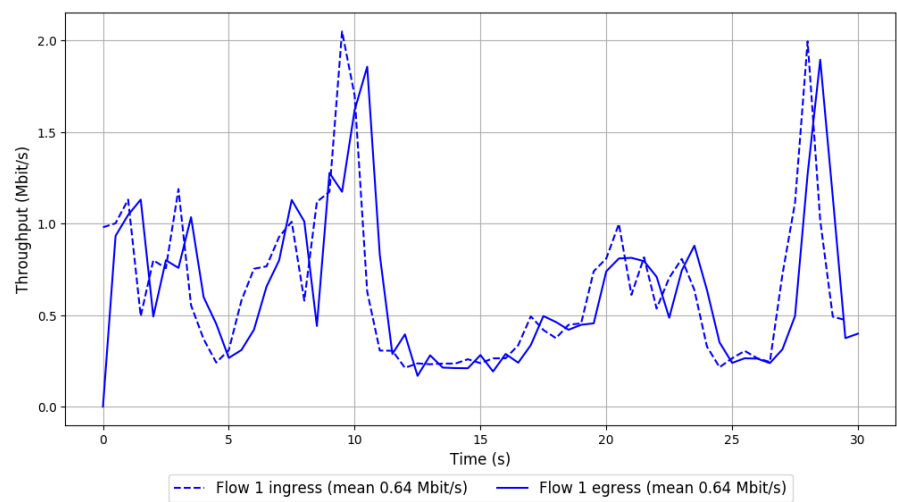
-- Flow 1:

Average throughput: 0.64 Mbit/s

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

Loss rate: 0.61%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-19 12:55:05

End at: 2018-07-19 12:55:35

Local clock offset: 0.072 ms

Remote clock offset: 1.596 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 59.863 ms

Loss rate: 0.31%

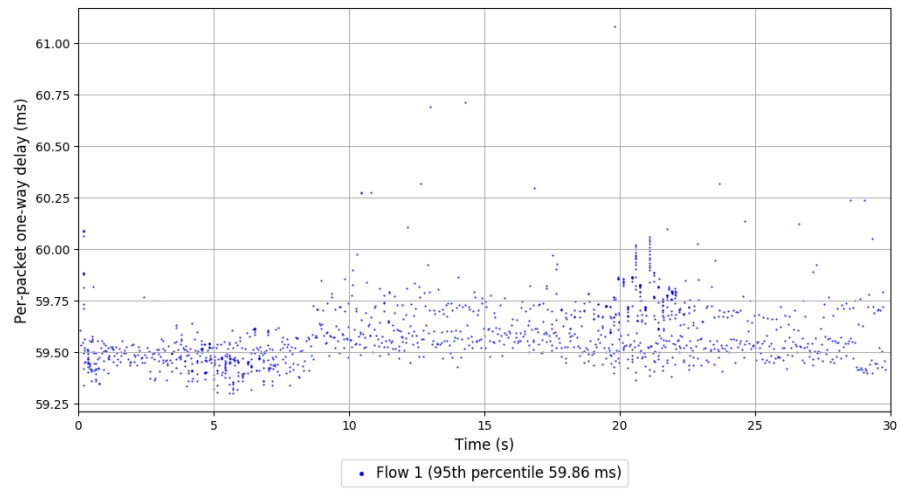
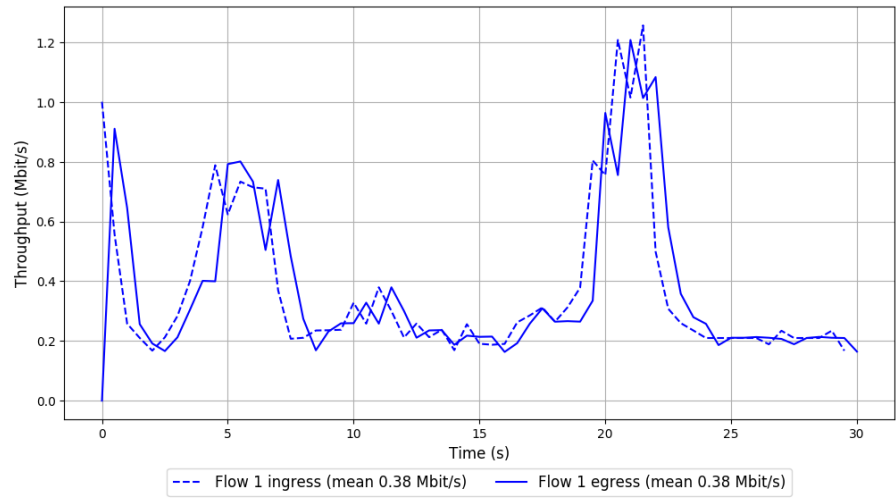
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 59.863 ms

Loss rate: 0.31%

Run 4: Report of Sprout — Data Link

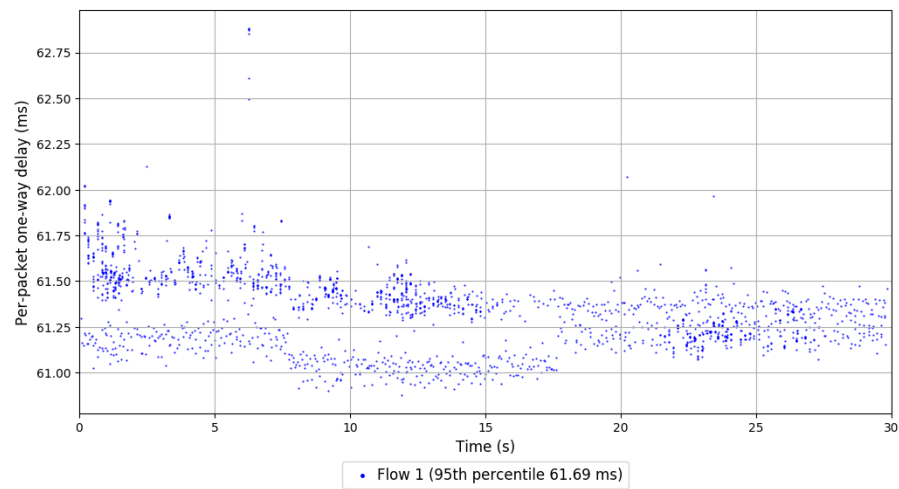
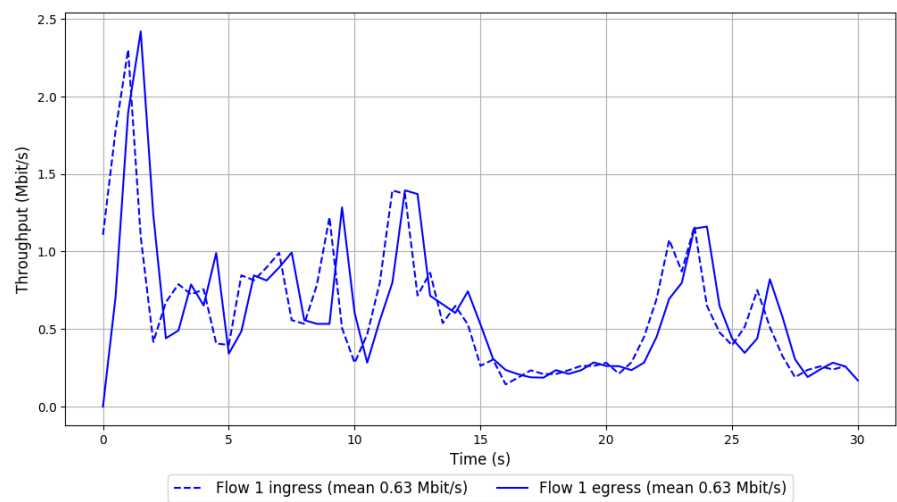


Run 5: Statistics of Sprout

Start at: 2018-07-19 13:17:06
End at: 2018-07-19 13:17:36
Local clock offset: 0.114 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-19 16:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 61.692 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 61.692 ms
Loss rate: 0.25%

Run 5: Report of Sprout — Data Link

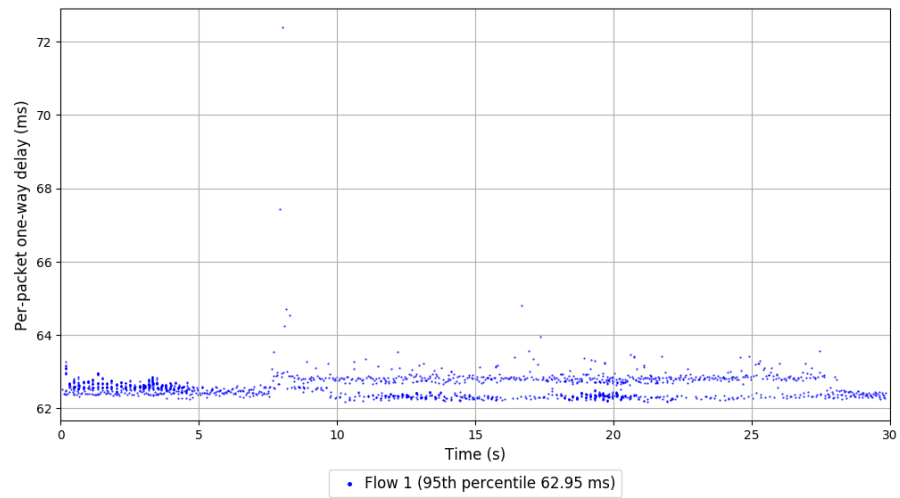
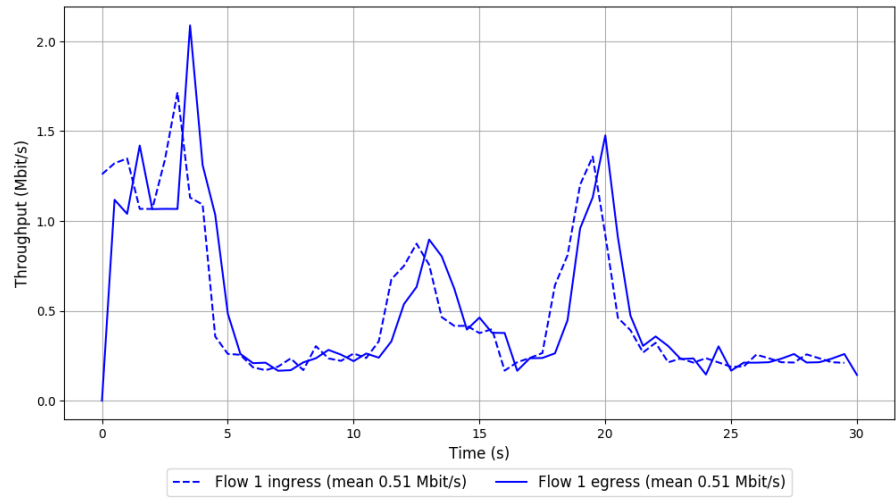


Run 6: Statistics of Sprout

Start at: 2018-07-19 13:39:14
End at: 2018-07-19 13:39:44
Local clock offset: 0.153 ms
Remote clock offset: -1.392 ms

Below is generated by plot.py at 2018-07-19 16:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 62.952 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 62.952 ms
Loss rate: 0.23%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

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

End at: 2018-07-19 14:01:49

Local clock offset: 0.034 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 61.495 ms

Loss rate: 0.34%

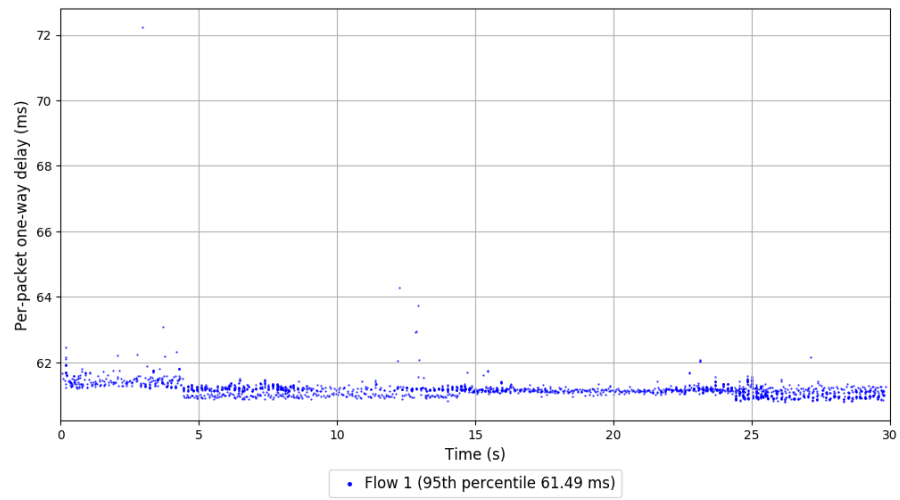
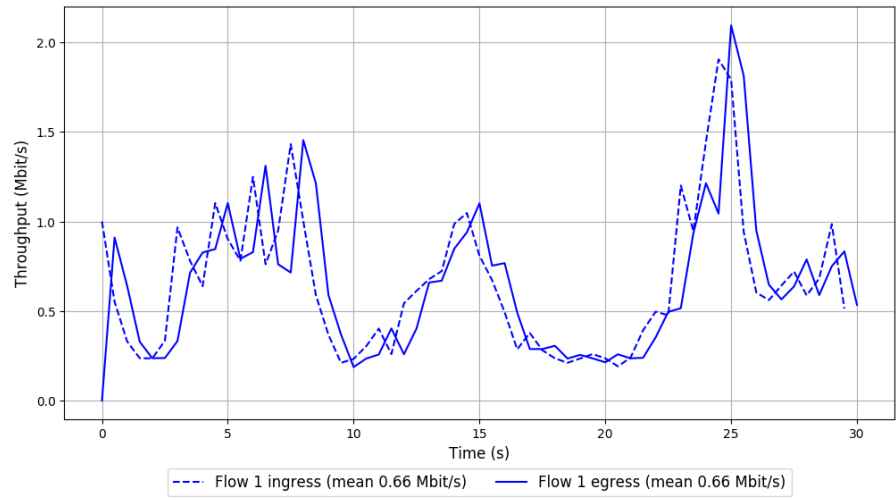
-- Flow 1:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 61.495 ms

Loss rate: 0.34%

Run 7: Report of Sprout — Data Link

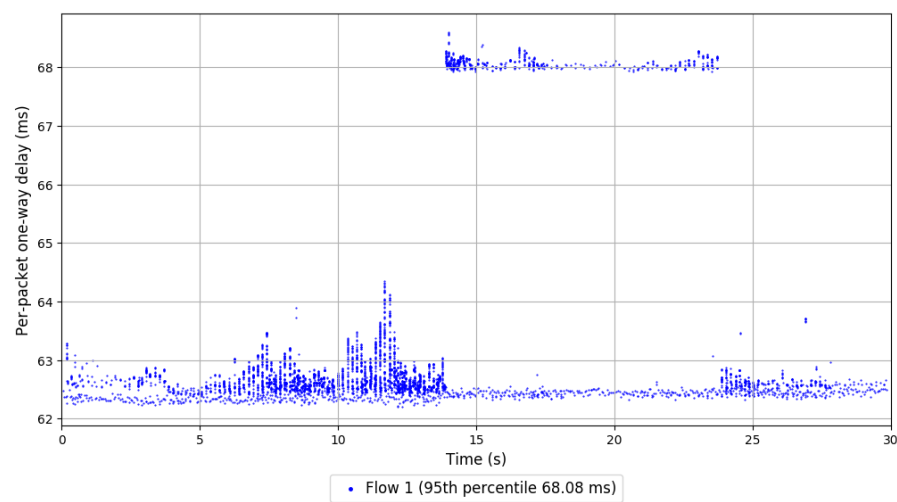
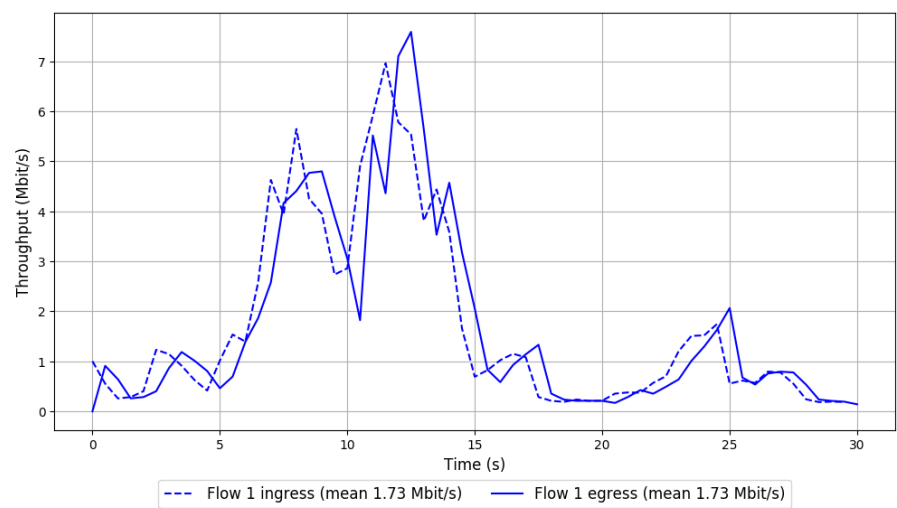


Run 8: Statistics of Sprout

Start at: 2018-07-19 14:23:19
End at: 2018-07-19 14:23:49
Local clock offset: -0.087 ms
Remote clock offset: -1.388 ms

Below is generated by plot.py at 2018-07-19 16:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 68.082 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 68.082 ms
Loss rate: 0.05%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-19 14:45:21

End at: 2018-07-19 14:45:51

Local clock offset: -0.001 ms

Remote clock offset: 1.22 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 60.255 ms

Loss rate: 0.14%

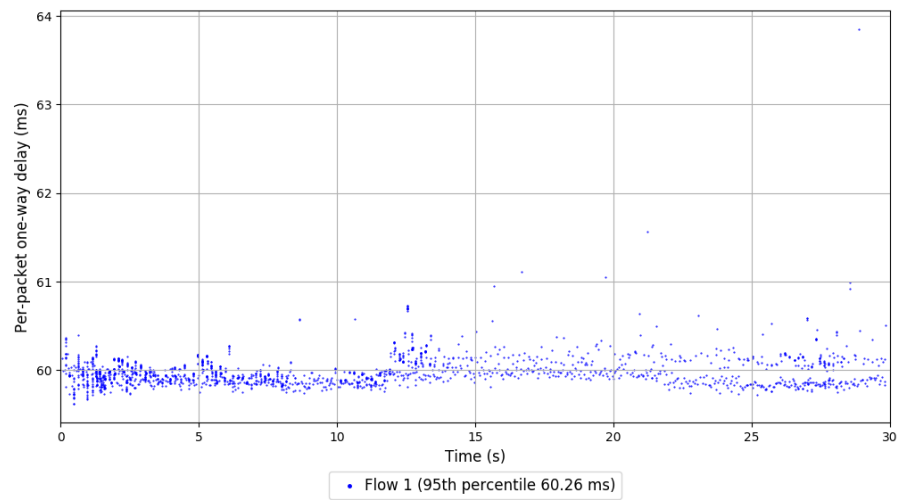
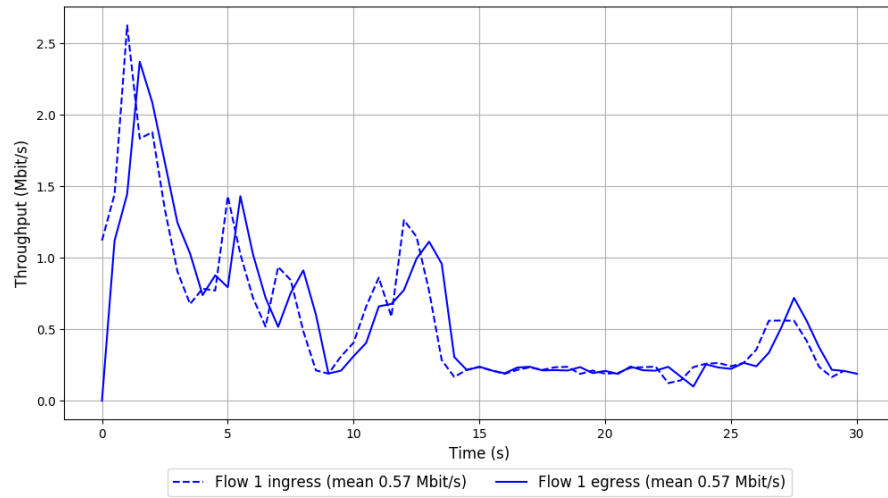
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 60.255 ms

Loss rate: 0.14%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-19 15:07:24

End at: 2018-07-19 15:07:54

Local clock offset: -0.017 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-07-19 16:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 61.278 ms

Loss rate: 0.41%

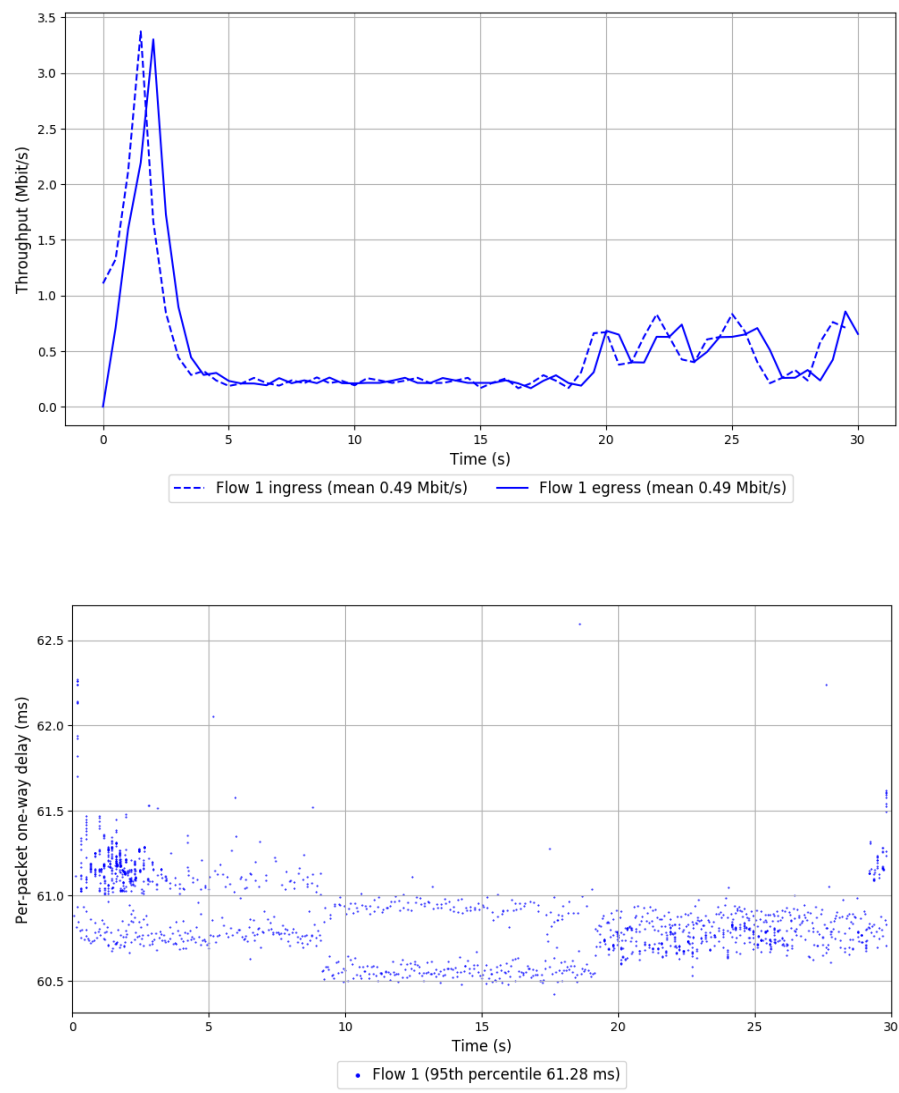
-- Flow 1:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 61.278 ms

Loss rate: 0.41%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-19 11:38:19

End at: 2018-07-19 11:38:49

Local clock offset: -0.002 ms

Remote clock offset: 0.39 ms

Below is generated by plot.py at 2018-07-19 16:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.70 Mbit/s

95th percentile per-packet one-way delay: 61.765 ms

Loss rate: 0.42%

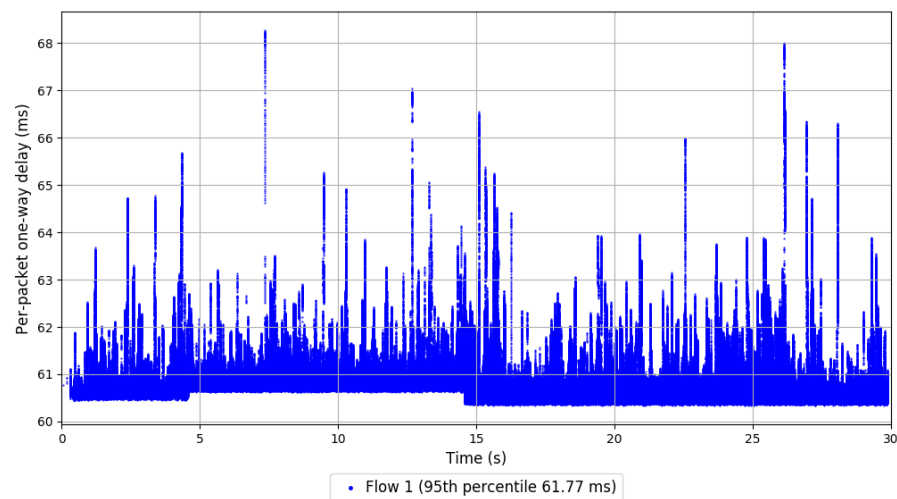
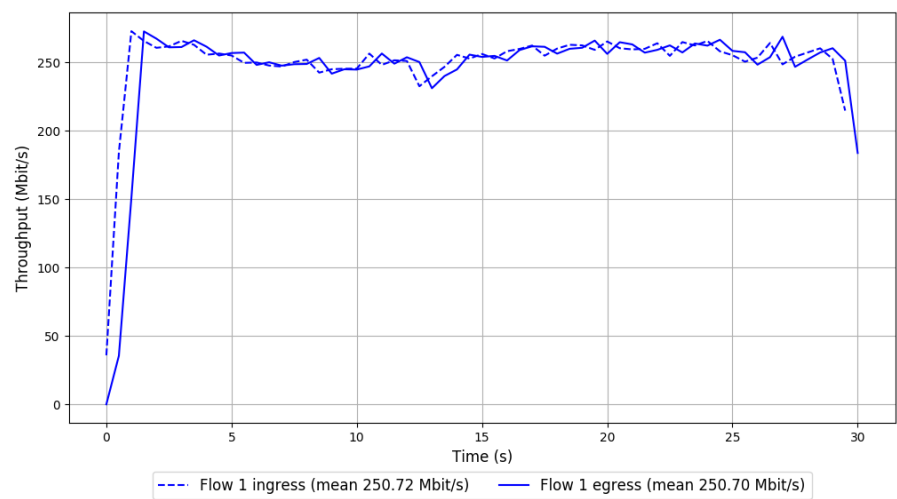
-- Flow 1:

Average throughput: 250.70 Mbit/s

95th percentile per-packet one-way delay: 61.765 ms

Loss rate: 0.42%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-19 12:00:31

End at: 2018-07-19 12:01:01

Local clock offset: 0.046 ms

Remote clock offset: 1.403 ms

Below is generated by plot.py at 2018-07-19 16:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.06 Mbit/s

95th percentile per-packet one-way delay: 61.641 ms

Loss rate: 0.42%

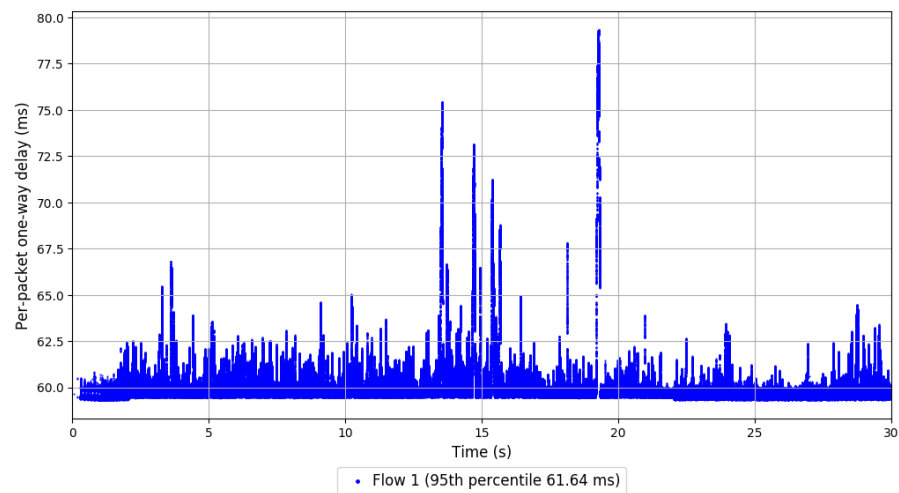
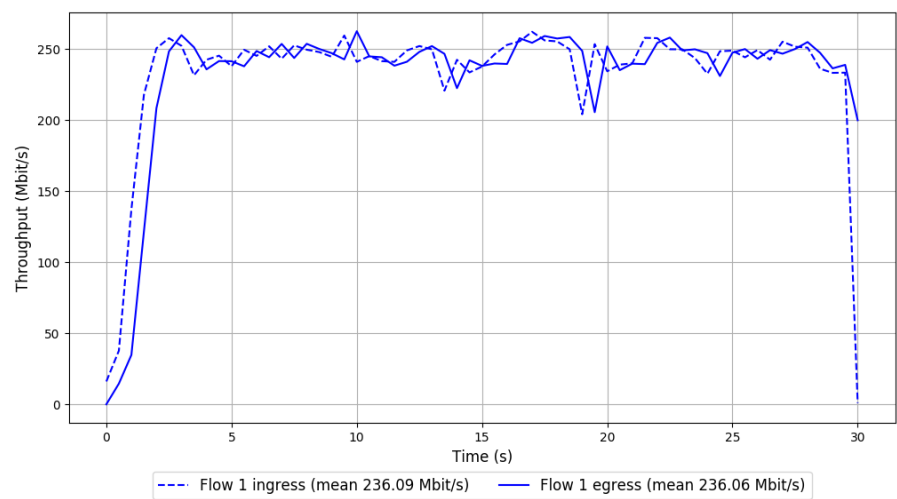
-- Flow 1:

Average throughput: 236.06 Mbit/s

95th percentile per-packet one-way delay: 61.641 ms

Loss rate: 0.42%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-19 12:22:36

End at: 2018-07-19 12:23:06

Local clock offset: 0.159 ms

Remote clock offset: 1.476 ms

Below is generated by plot.py at 2018-07-19 16:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.76 Mbit/s

95th percentile per-packet one-way delay: 60.890 ms

Loss rate: 0.44%

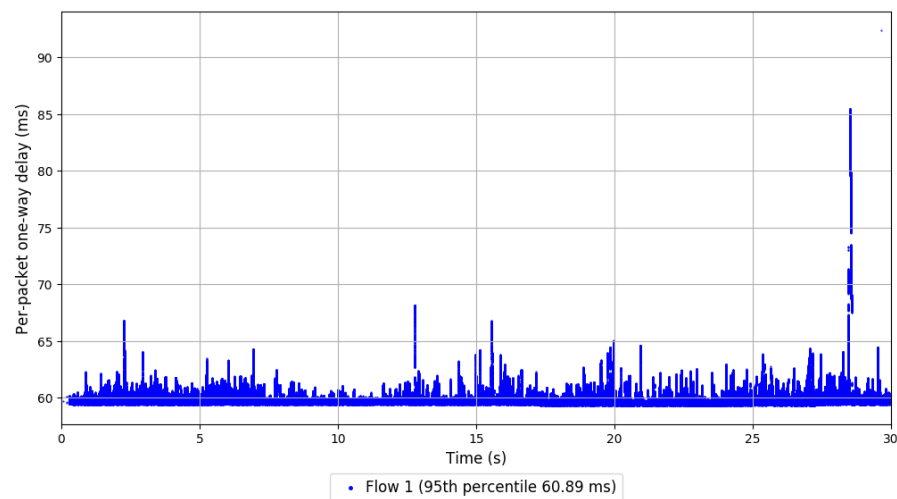
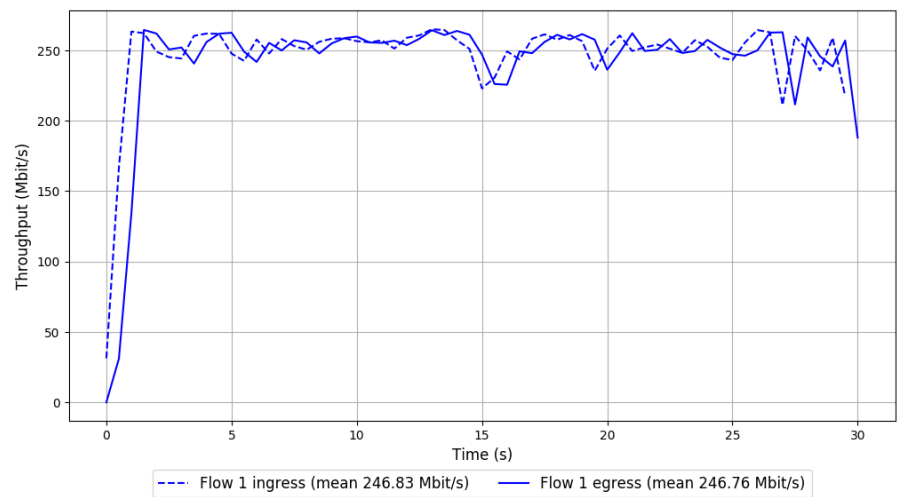
-- Flow 1:

Average throughput: 246.76 Mbit/s

95th percentile per-packet one-way delay: 60.890 ms

Loss rate: 0.44%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-19 12:44:42

End at: 2018-07-19 12:45:12

Local clock offset: 0.11 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-19 16:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.56 Mbit/s

95th percentile per-packet one-way delay: 63.494 ms

Loss rate: 0.62%

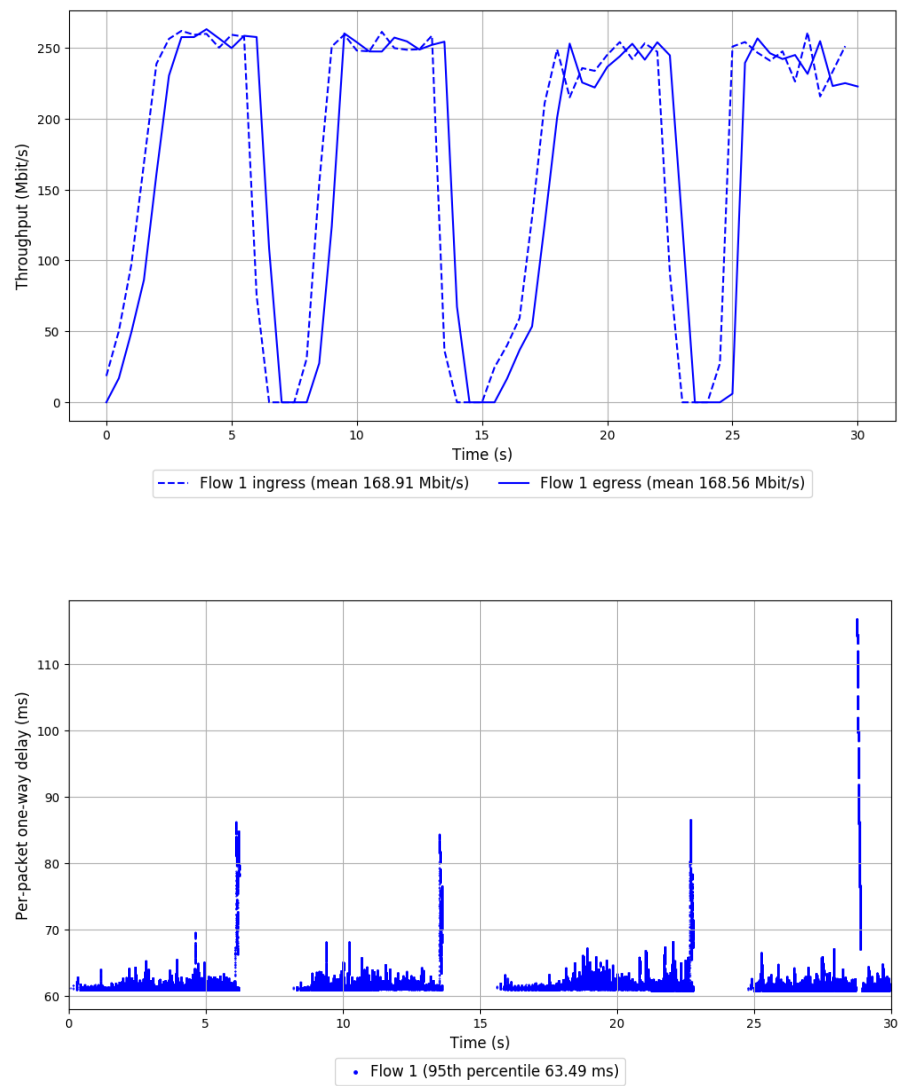
-- Flow 1:

Average throughput: 168.56 Mbit/s

95th percentile per-packet one-way delay: 63.494 ms

Loss rate: 0.62%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-19 13:06:44

End at: 2018-07-19 13:07:14

Local clock offset: 0.184 ms

Remote clock offset: 1.458 ms

Below is generated by plot.py at 2018-07-19 16:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.34 Mbit/s

95th percentile per-packet one-way delay: 60.520 ms

Loss rate: 0.45%

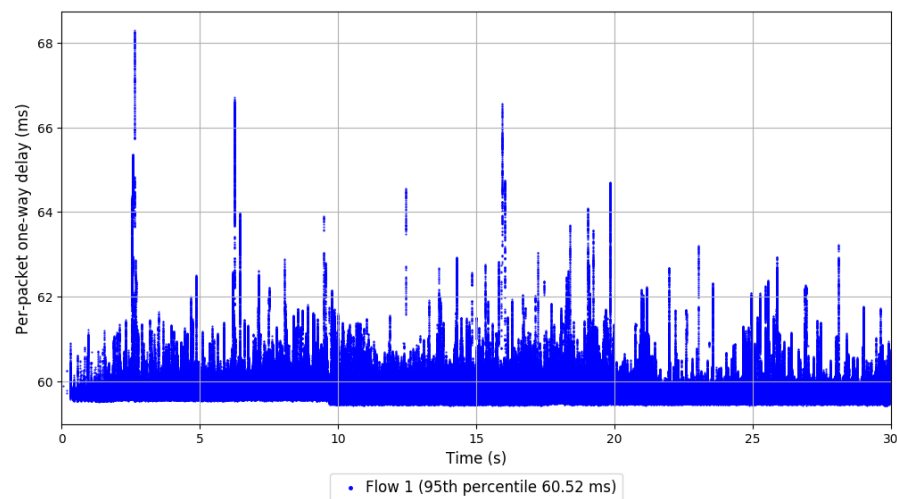
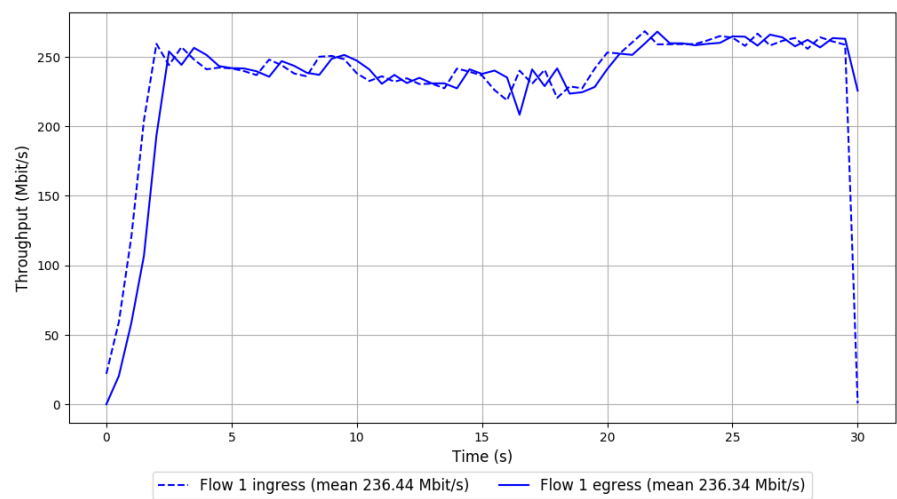
-- Flow 1:

Average throughput: 236.34 Mbit/s

95th percentile per-packet one-way delay: 60.520 ms

Loss rate: 0.45%

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

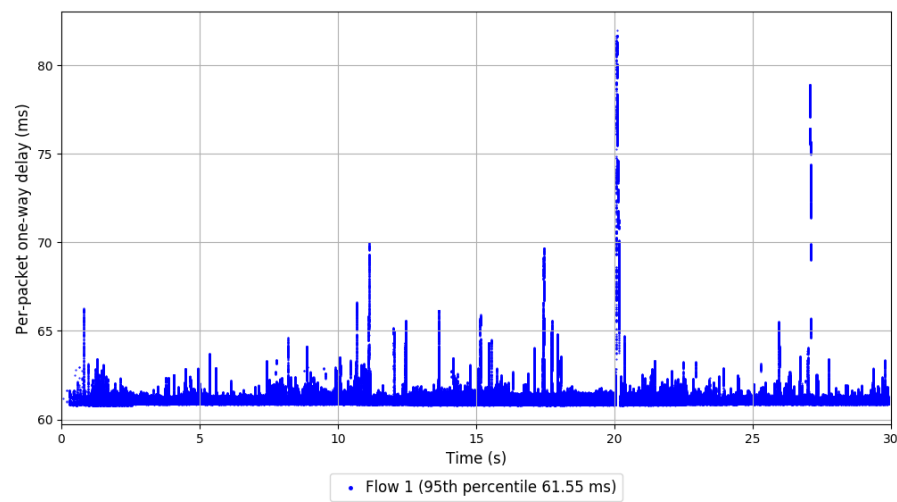
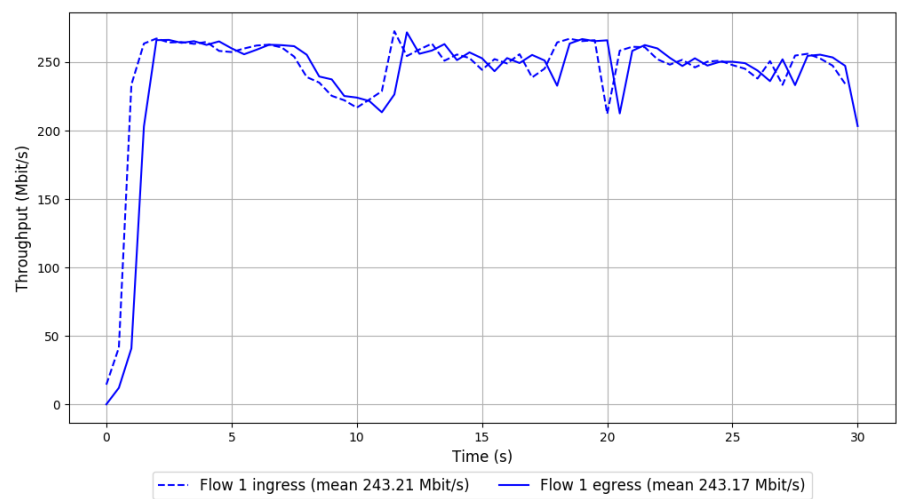


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-19 13:28:51
End at: 2018-07-19 13:29:21
Local clock offset: 0.148 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-19 16:52:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.17 Mbit/s
95th percentile per-packet one-way delay: 61.550 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 243.17 Mbit/s
95th percentile per-packet one-way delay: 61.550 ms
Loss rate: 0.43%

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

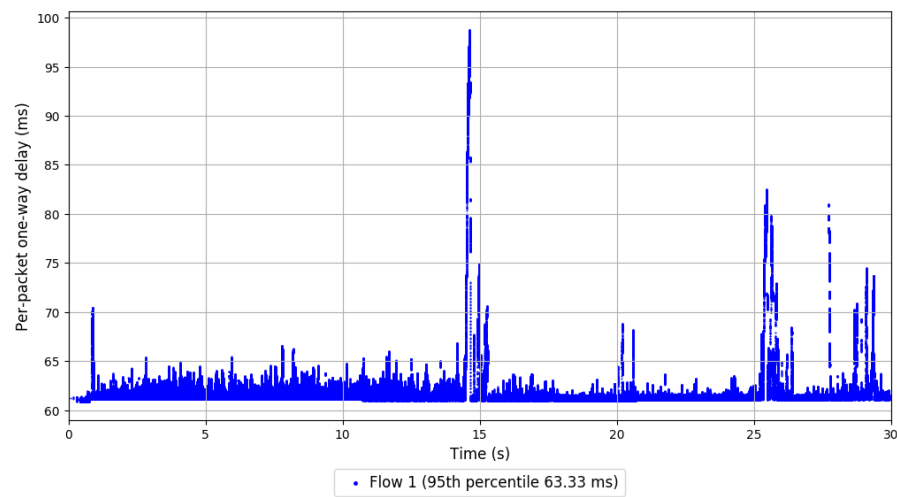
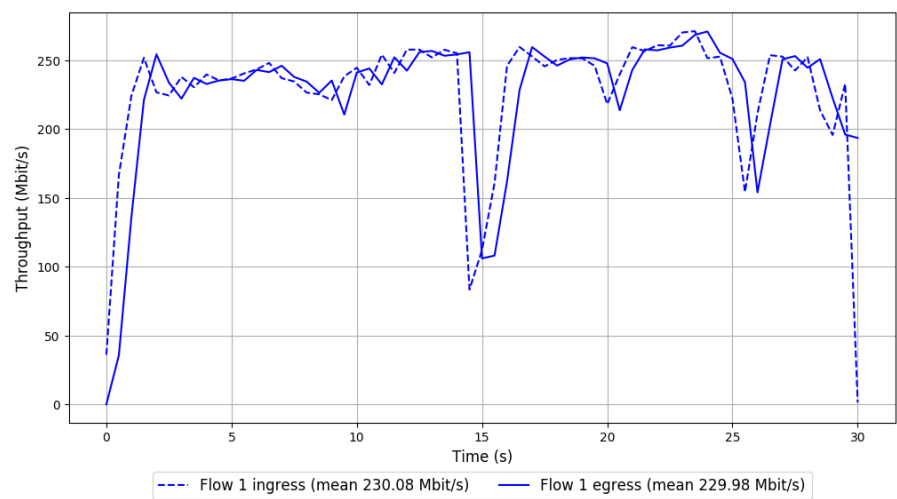


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-19 13:50:53
End at: 2018-07-19 13:51:23
Local clock offset: 0.132 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-07-19 16:57:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.98 Mbit/s
95th percentile per-packet one-way delay: 63.330 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 229.98 Mbit/s
95th percentile per-packet one-way delay: 63.330 ms
Loss rate: 0.45%

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



Run 8: Statistics of TaoVA-100x

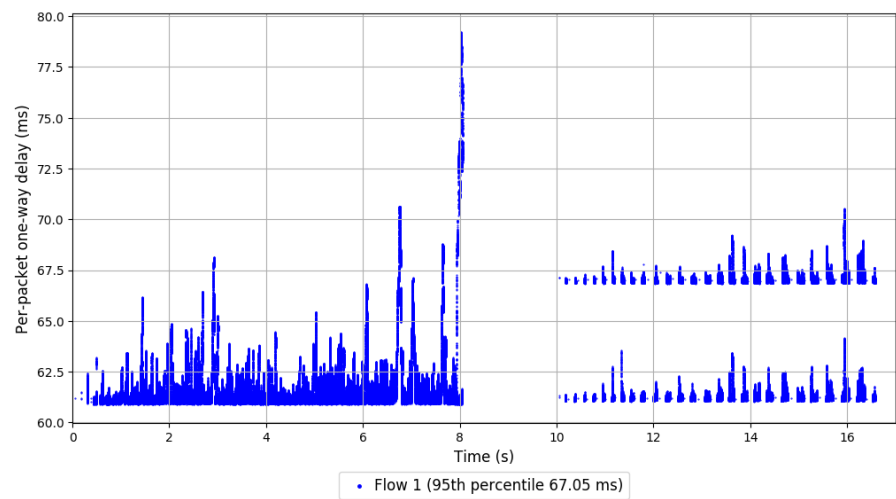
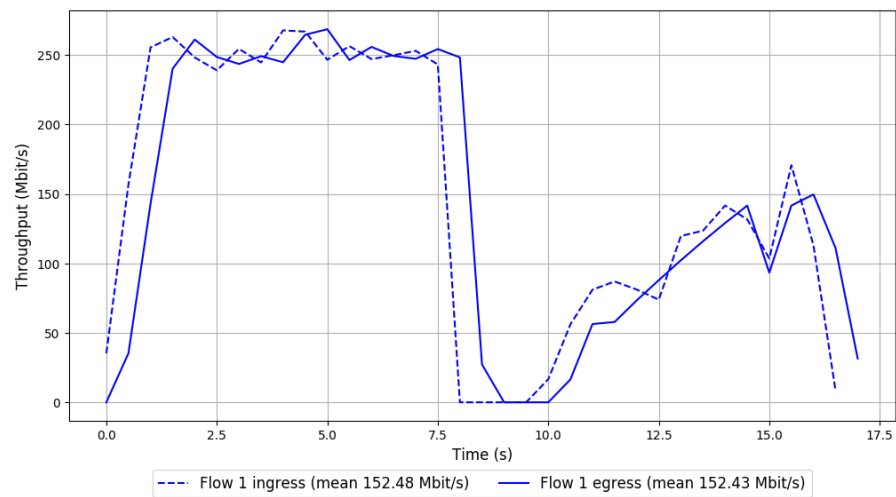
Start at: 2018-07-19 14:12:54

End at: 2018-07-19 14:13:24

Local clock offset: -0.058 ms

Remote clock offset: -0.081 ms

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-19 14:35:00

End at: 2018-07-19 14:35:30

Local clock offset: -0.043 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-19 16:57:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.80 Mbit/s

95th percentile per-packet one-way delay: 66.445 ms

Loss rate: 0.56%

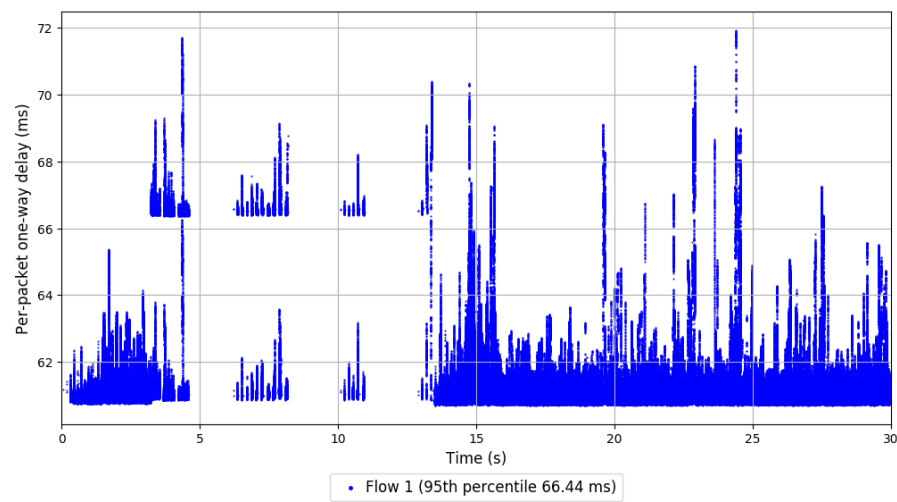
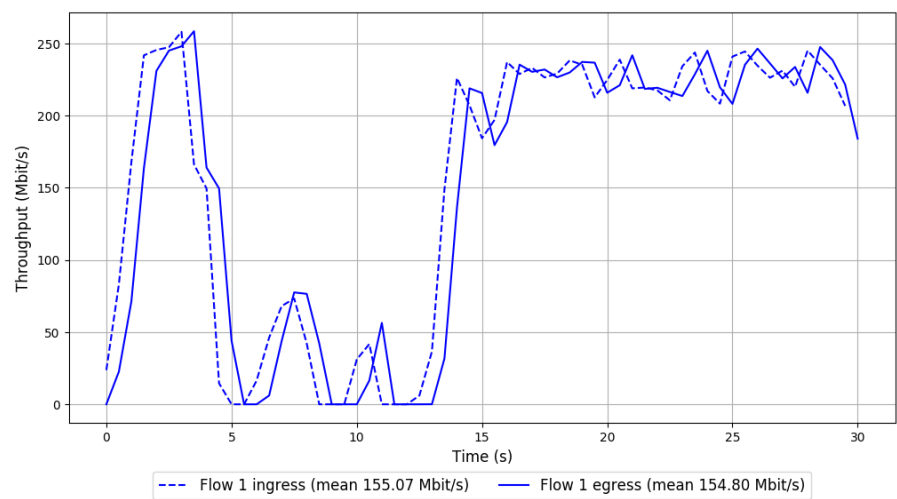
-- Flow 1:

Average throughput: 154.80 Mbit/s

95th percentile per-packet one-way delay: 66.445 ms

Loss rate: 0.56%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-19 14:57:03

End at: 2018-07-19 14:57:33

Local clock offset: -0.038 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-19 16:57:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.91 Mbit/s

95th percentile per-packet one-way delay: 63.046 ms

Loss rate: 0.73%

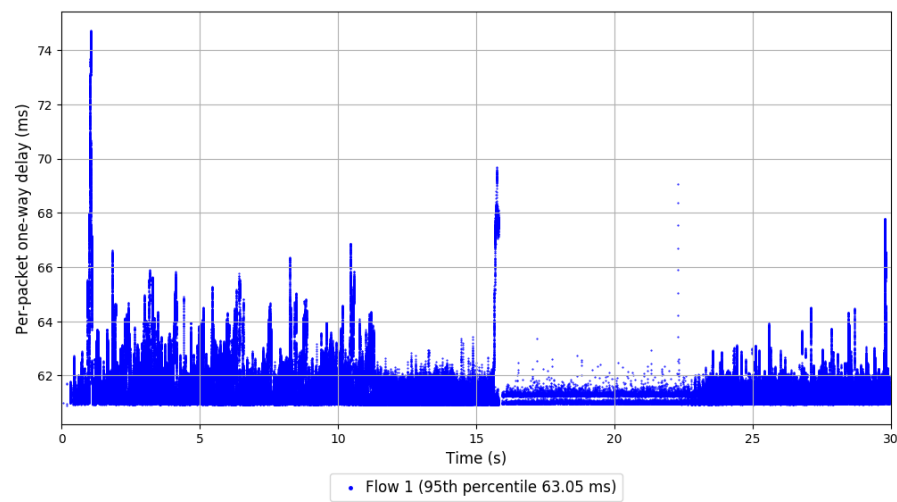
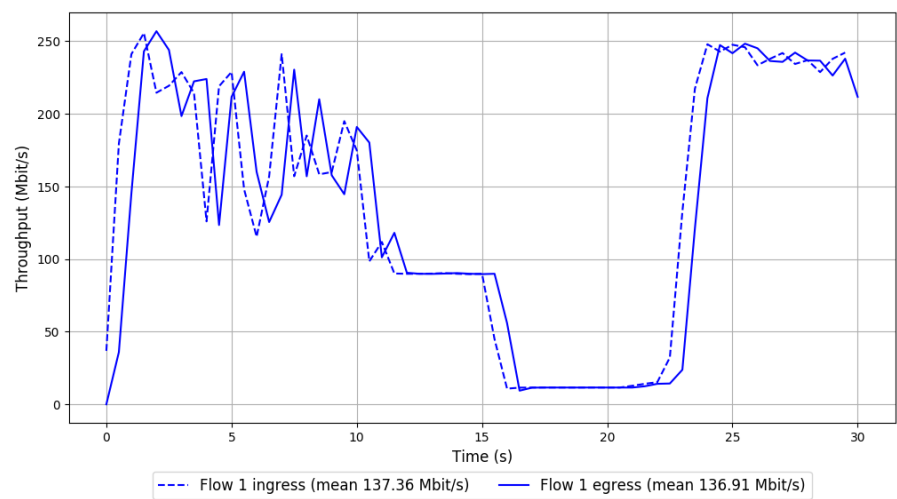
-- Flow 1:

Average throughput: 136.91 Mbit/s

95th percentile per-packet one-way delay: 63.046 ms

Loss rate: 0.73%

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

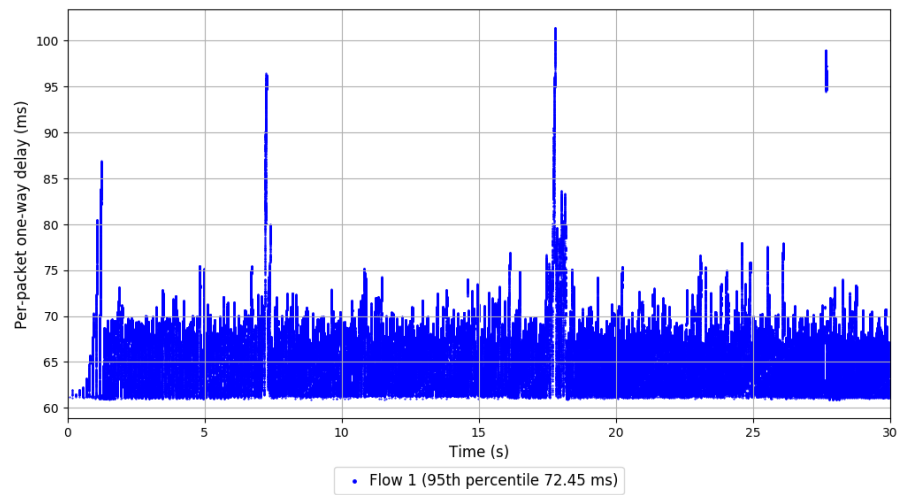
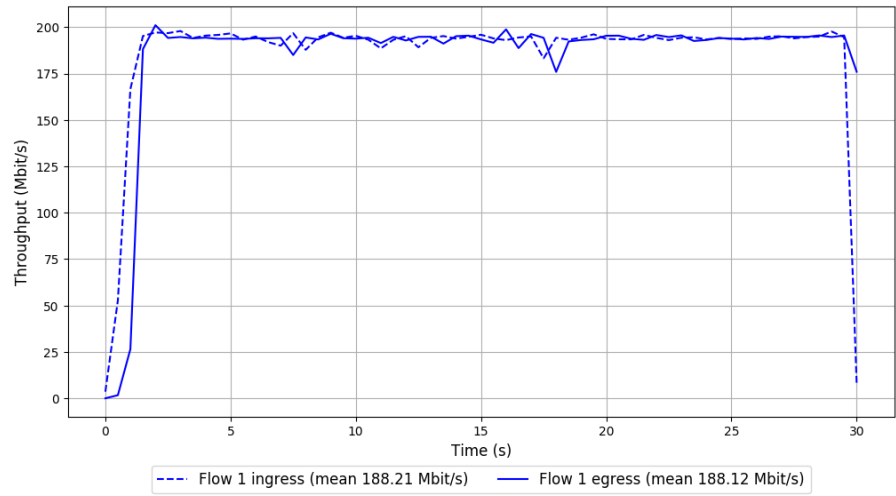


Run 1: Statistics of TCP Vegas

Start at: 2018-07-19 11:33:17
End at: 2018-07-19 11:33:47
Local clock offset: -0.058 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-19 16:57:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.12 Mbit/s
95th percentile per-packet one-way delay: 72.454 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 188.12 Mbit/s
95th percentile per-packet one-way delay: 72.454 ms
Loss rate: 0.46%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-19 11:55:26

End at: 2018-07-19 11:55:56

Local clock offset: 0.013 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-07-19 16:57:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.60 Mbit/s

95th percentile per-packet one-way delay: 73.742 ms

Loss rate: 0.42%

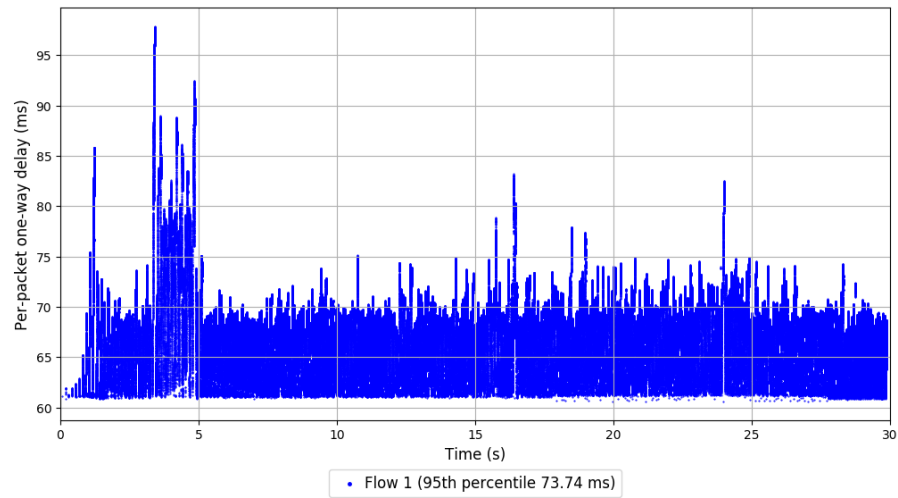
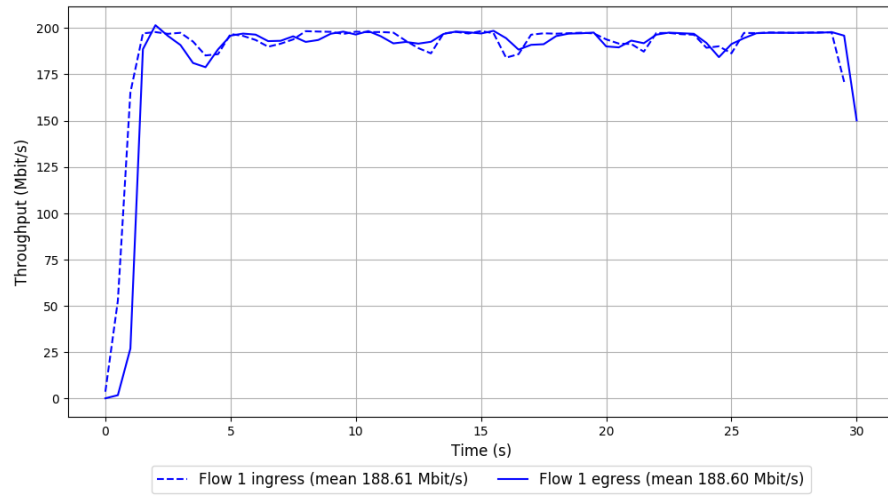
-- Flow 1:

Average throughput: 188.60 Mbit/s

95th percentile per-packet one-way delay: 73.742 ms

Loss rate: 0.42%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-19 12:17:36

End at: 2018-07-19 12:18:07

Local clock offset: 0.045 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-19 16:57:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.66 Mbit/s

95th percentile per-packet one-way delay: 72.441 ms

Loss rate: 0.47%

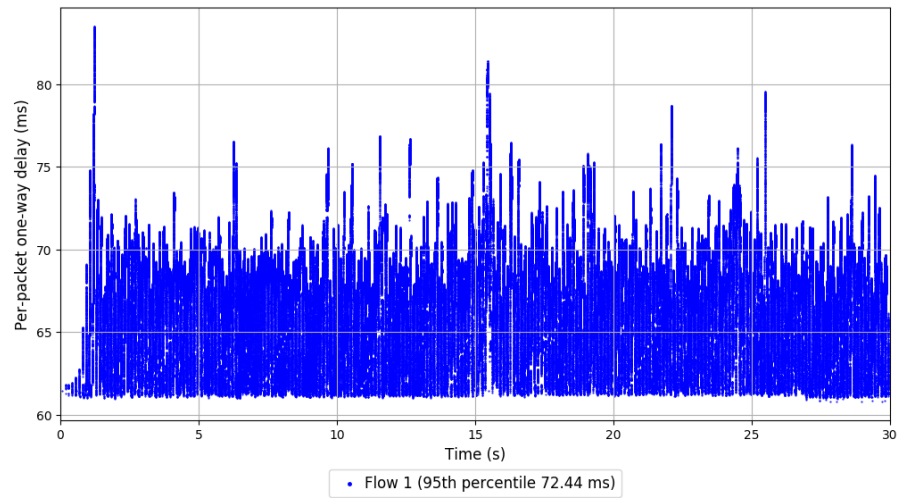
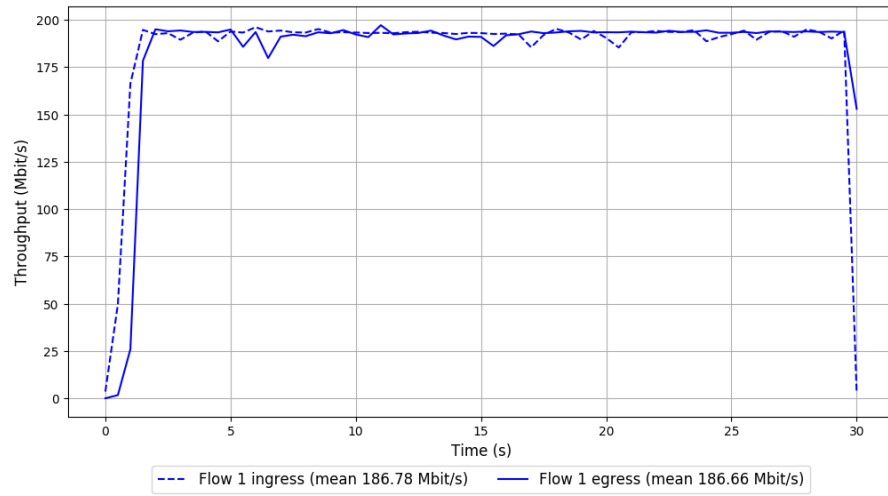
-- Flow 1:

Average throughput: 186.66 Mbit/s

95th percentile per-packet one-way delay: 72.441 ms

Loss rate: 0.47%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-19 12:39:38

End at: 2018-07-19 12:40:08

Local clock offset: 0.106 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-07-19 16:57:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.73 Mbit/s

95th percentile per-packet one-way delay: 62.437 ms

Loss rate: 0.45%

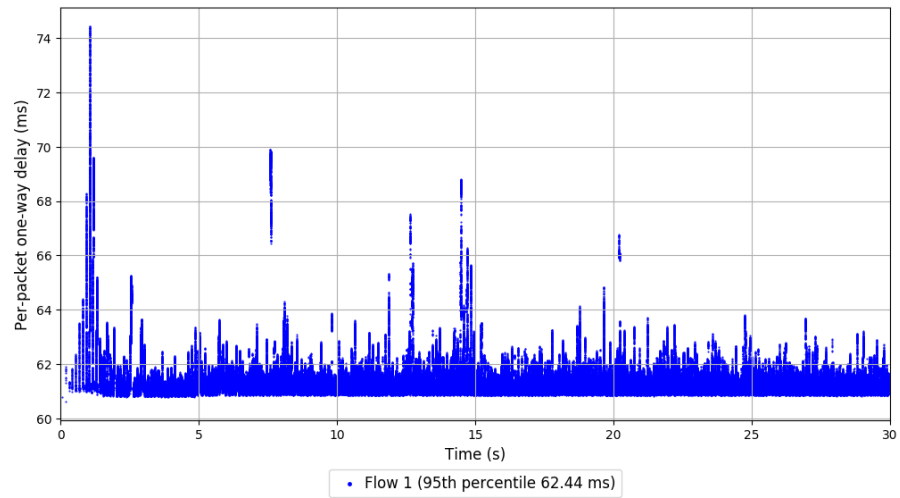
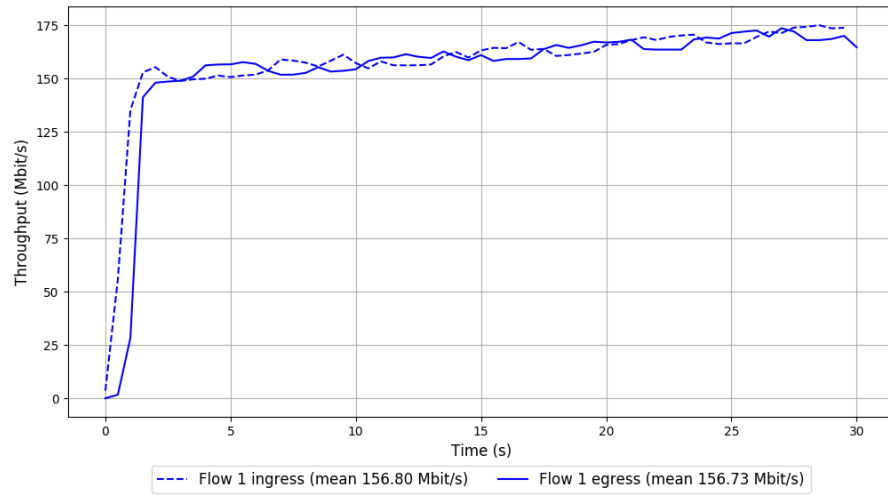
-- Flow 1:

Average throughput: 156.73 Mbit/s

95th percentile per-packet one-way delay: 62.437 ms

Loss rate: 0.45%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-19 13:01:47

End at: 2018-07-19 13:02:17

Local clock offset: 0.113 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-19 16:57:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.69 Mbit/s

95th percentile per-packet one-way delay: 63.215 ms

Loss rate: 0.40%

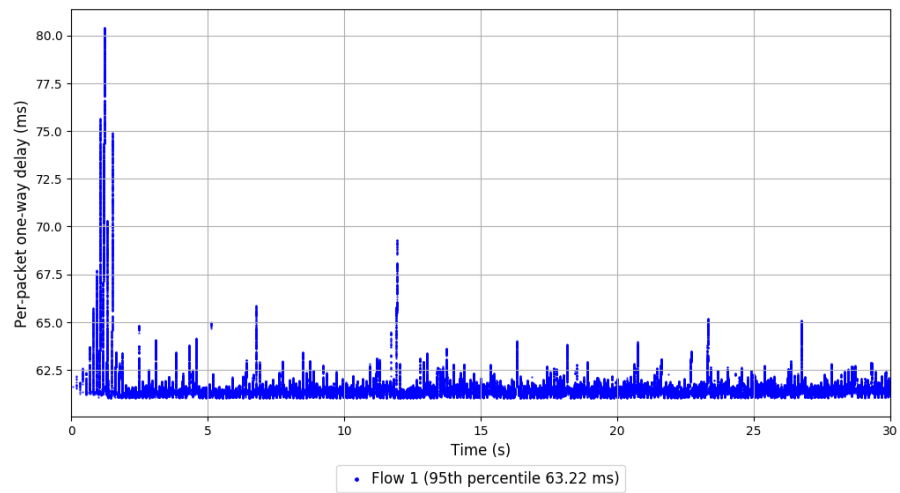
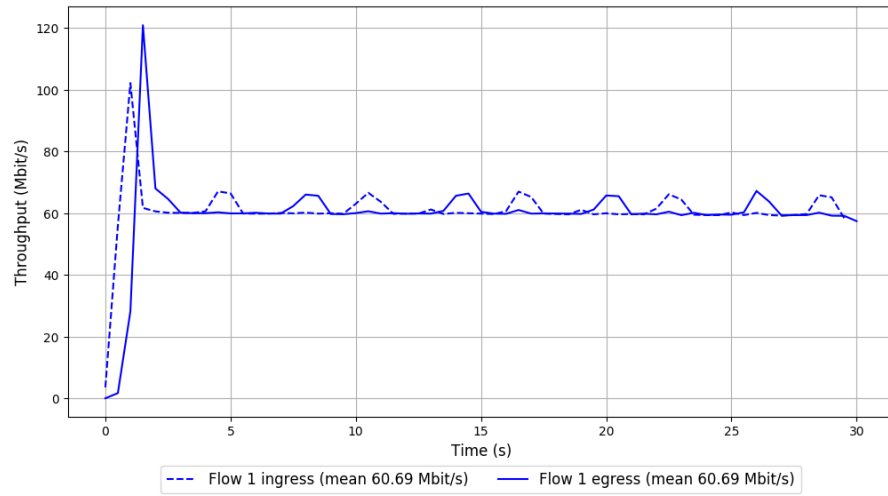
-- Flow 1:

Average throughput: 60.69 Mbit/s

95th percentile per-packet one-way delay: 63.215 ms

Loss rate: 0.40%

Run 5: Report of TCP Vegas — Data Link

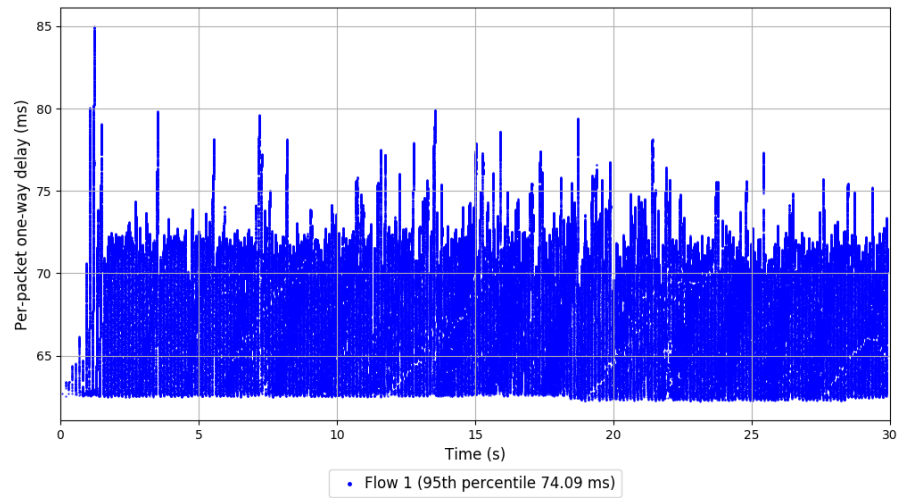
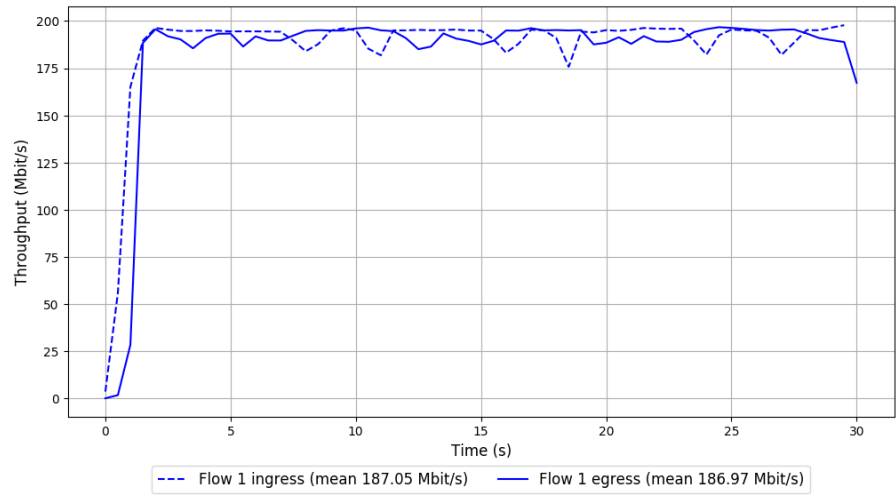


Run 6: Statistics of TCP Vegas

Start at: 2018-07-19 13:23:45
End at: 2018-07-19 13:24:15
Local clock offset: 0.14 ms
Remote clock offset: -1.355 ms

Below is generated by plot.py at 2018-07-19 16:58:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.97 Mbit/s
95th percentile per-packet one-way delay: 74.089 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 186.97 Mbit/s
95th percentile per-packet one-way delay: 74.089 ms
Loss rate: 0.44%

Run 6: Report of TCP Vegas — Data Link

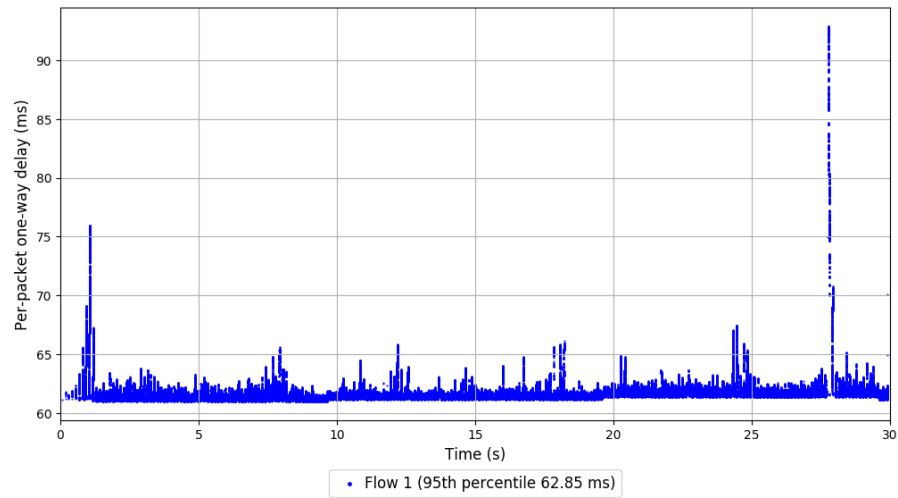
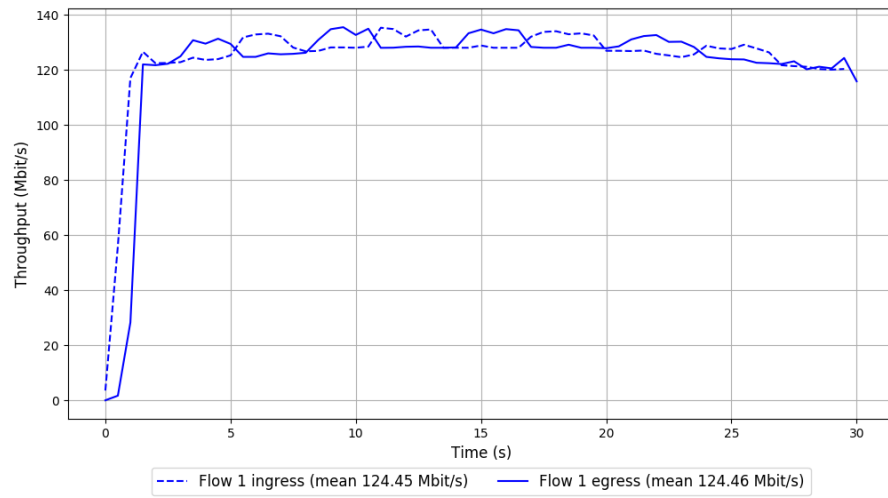


Run 7: Statistics of TCP Vegas

Start at: 2018-07-19 13:45:54
End at: 2018-07-19 13:46:24
Local clock offset: 0.201 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-19 16:58:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.46 Mbit/s
95th percentile per-packet one-way delay: 62.849 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 124.46 Mbit/s
95th percentile per-packet one-way delay: 62.849 ms
Loss rate: 0.40%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-19 14:07:56

End at: 2018-07-19 14:08:26

Local clock offset: -0.064 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-19 16:58:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.68 Mbit/s

95th percentile per-packet one-way delay: 67.636 ms

Loss rate: 0.43%

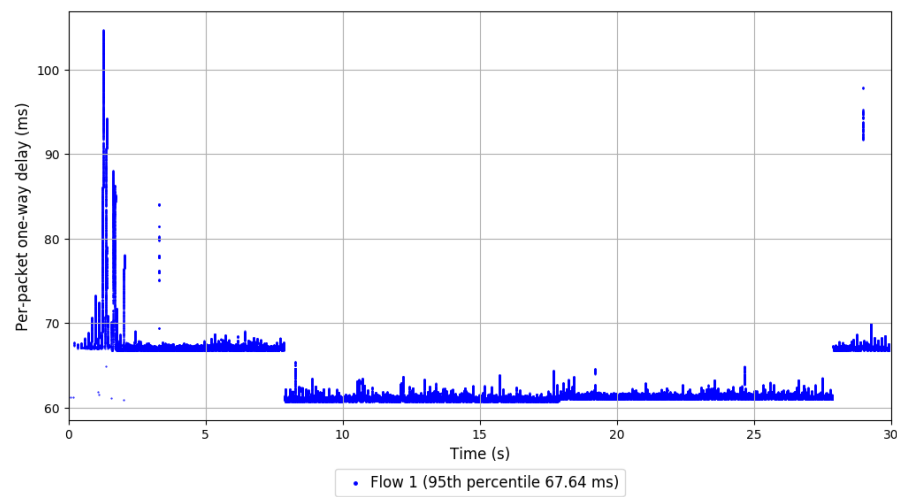
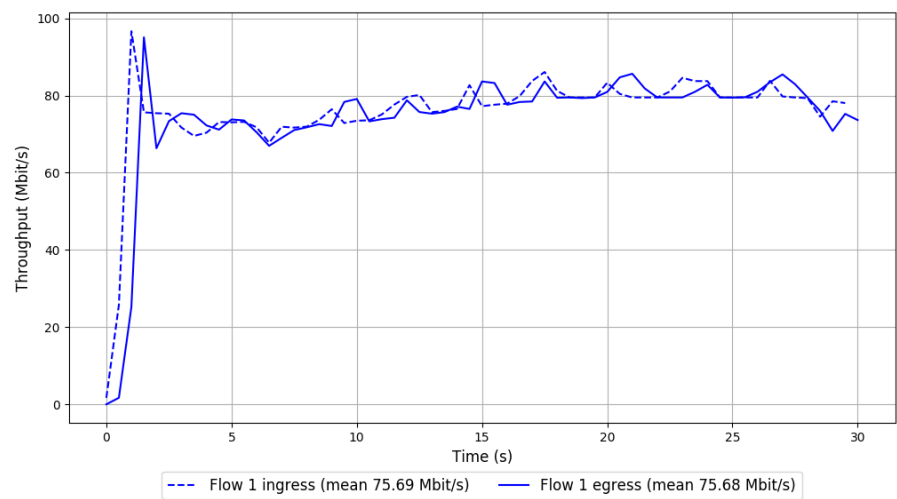
-- Flow 1:

Average throughput: 75.68 Mbit/s

95th percentile per-packet one-way delay: 67.636 ms

Loss rate: 0.43%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-19 14:29:58

End at: 2018-07-19 14:30:28

Local clock offset: -0.077 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-19 16:59:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.63 Mbit/s

95th percentile per-packet one-way delay: 73.514 ms

Loss rate: 0.43%

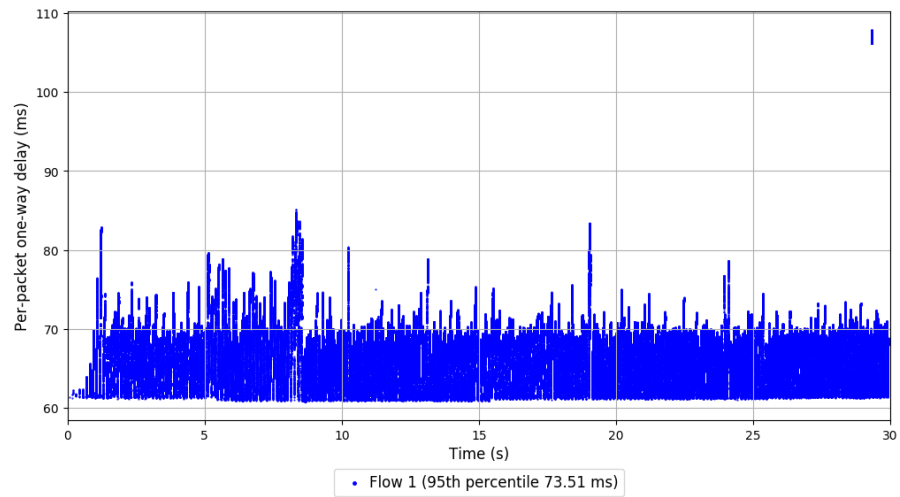
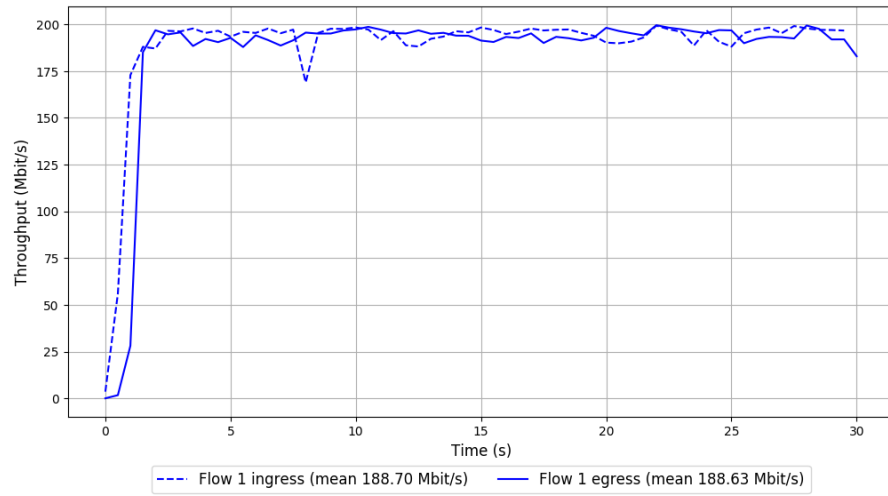
-- Flow 1:

Average throughput: 188.63 Mbit/s

95th percentile per-packet one-way delay: 73.514 ms

Loss rate: 0.43%

Run 9: Report of TCP Vegas — Data Link

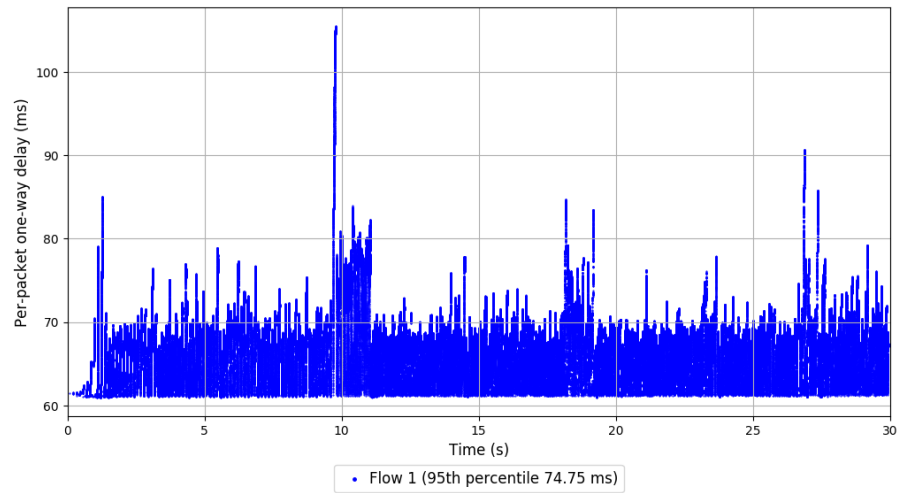
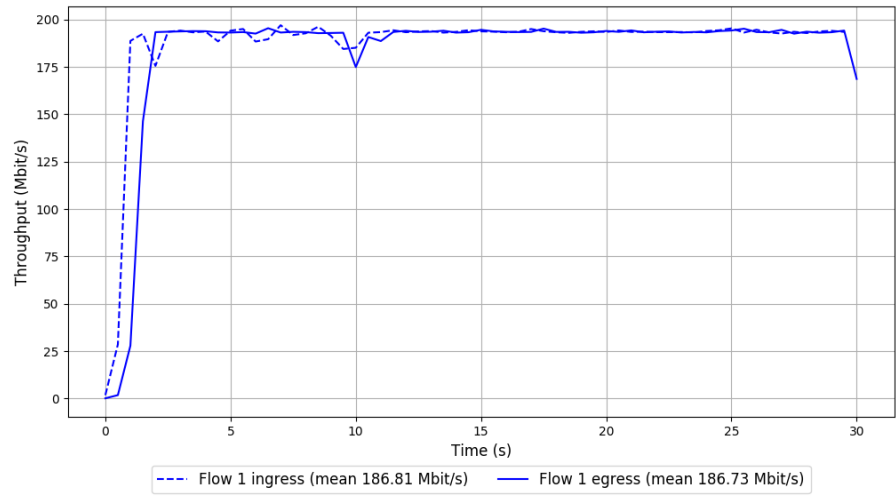


Run 10: Statistics of TCP Vegas

Start at: 2018-07-19 14:52:02
End at: 2018-07-19 14:52:32
Local clock offset: -0.031 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-19 16:59:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.73 Mbit/s
95th percentile per-packet one-way delay: 74.751 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 186.73 Mbit/s
95th percentile per-packet one-way delay: 74.751 ms
Loss rate: 0.44%

Run 10: Report of TCP Vegas — Data Link

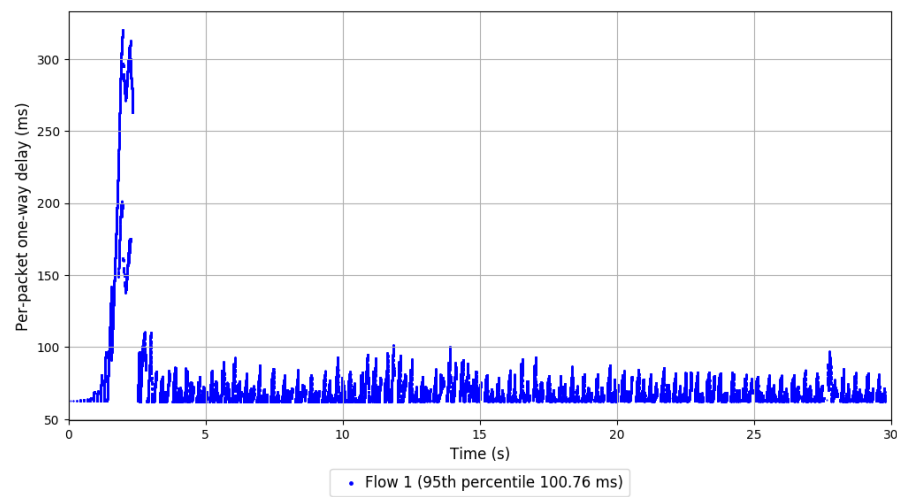
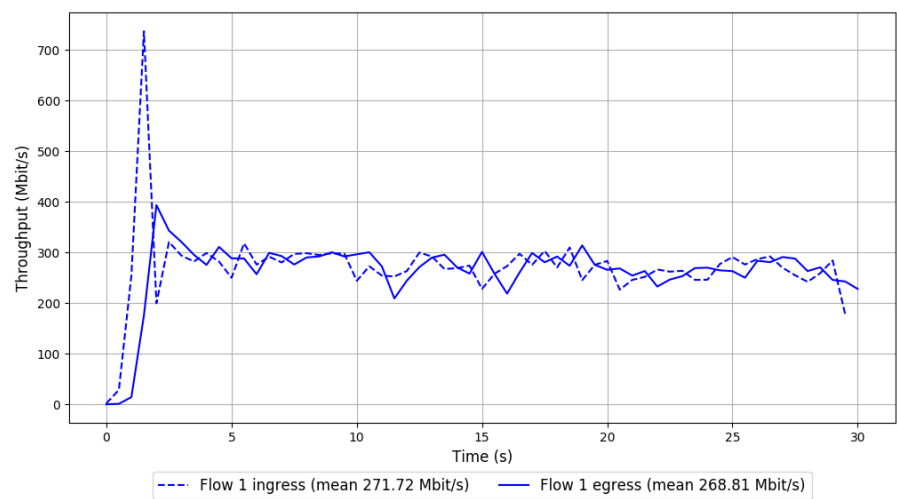


Run 1: Statistics of Verus

Start at: 2018-07-19 11:46:01
End at: 2018-07-19 11:46:31
Local clock offset: -0.011 ms
Remote clock offset: -1.363 ms

Below is generated by plot.py at 2018-07-19 17:01:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.81 Mbit/s
95th percentile per-packet one-way delay: 100.760 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 268.81 Mbit/s
95th percentile per-packet one-way delay: 100.760 ms
Loss rate: 1.53%

Run 1: Report of Verus — Data Link

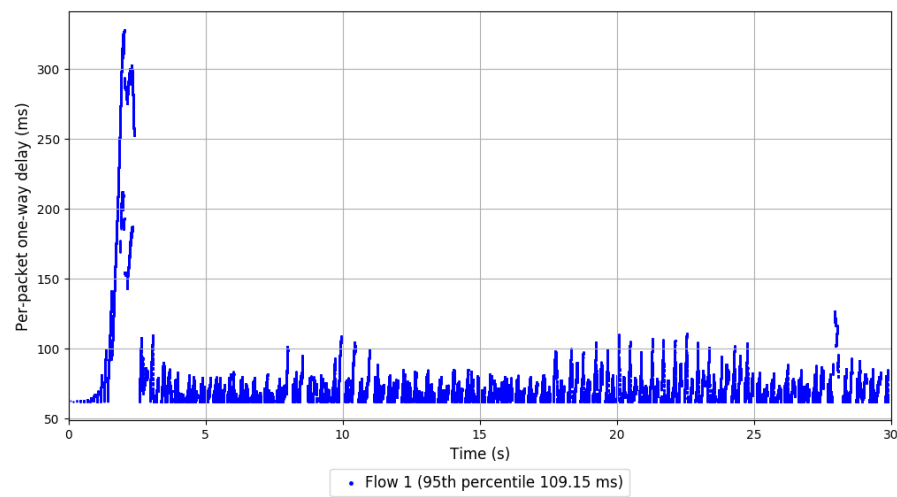
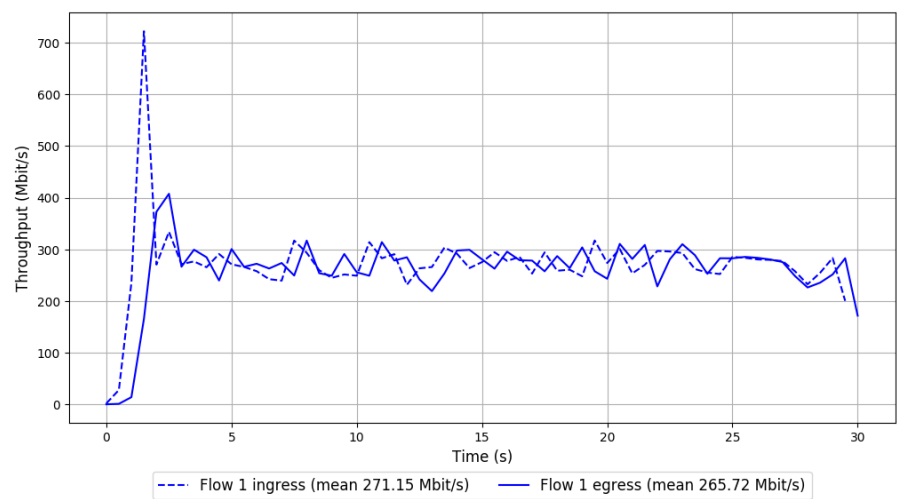


Run 2: Statistics of Verus

Start at: 2018-07-19 12:08:13
End at: 2018-07-19 12:08:43
Local clock offset: -0.037 ms
Remote clock offset: -0.986 ms

Below is generated by plot.py at 2018-07-19 17:02:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.72 Mbit/s
95th percentile per-packet one-way delay: 109.152 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 265.72 Mbit/s
95th percentile per-packet one-way delay: 109.152 ms
Loss rate: 2.41%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-19 12:30:19

End at: 2018-07-19 12:30:49

Local clock offset: -0.044 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-19 17:02:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.85 Mbit/s

95th percentile per-packet one-way delay: 109.590 ms

Loss rate: 1.73%

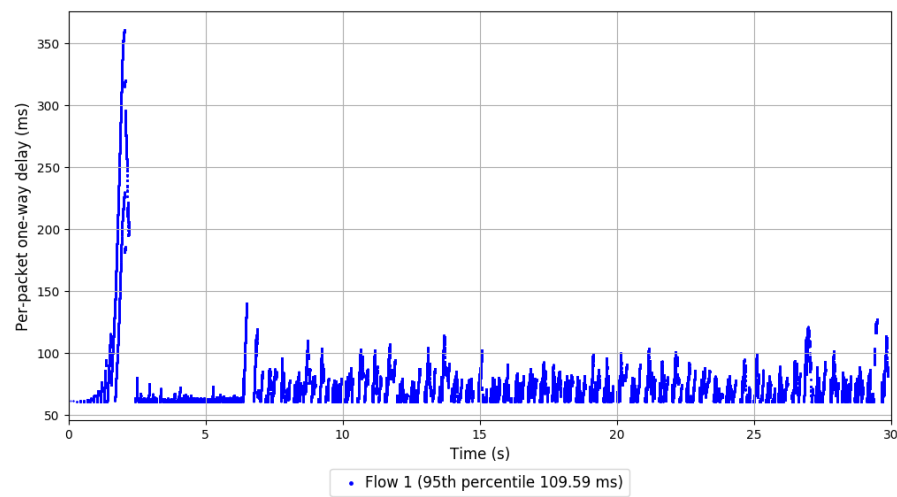
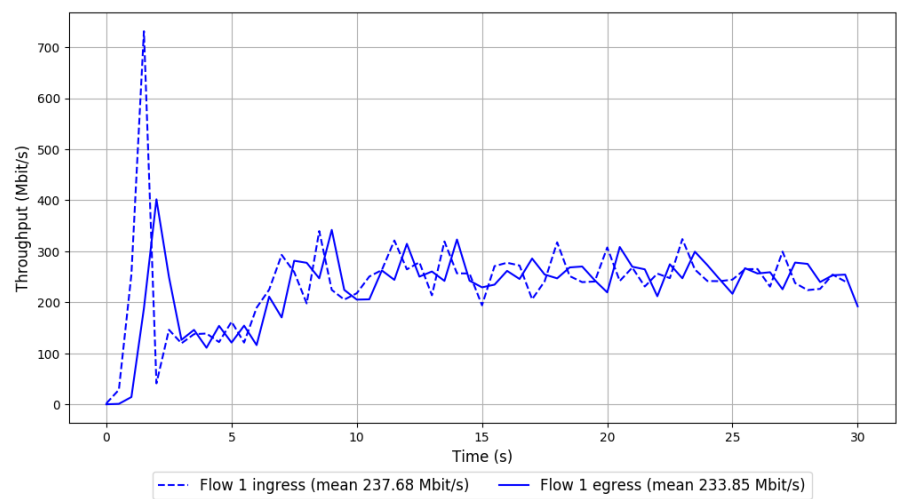
-- Flow 1:

Average throughput: 233.85 Mbit/s

95th percentile per-packet one-way delay: 109.590 ms

Loss rate: 1.73%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-19 12:52:17

End at: 2018-07-19 12:52:47

Local clock offset: 0.11 ms

Remote clock offset: 1.3 ms

Below is generated by plot.py at 2018-07-19 17:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.47 Mbit/s

95th percentile per-packet one-way delay: 227.959 ms

Loss rate: 0.36%

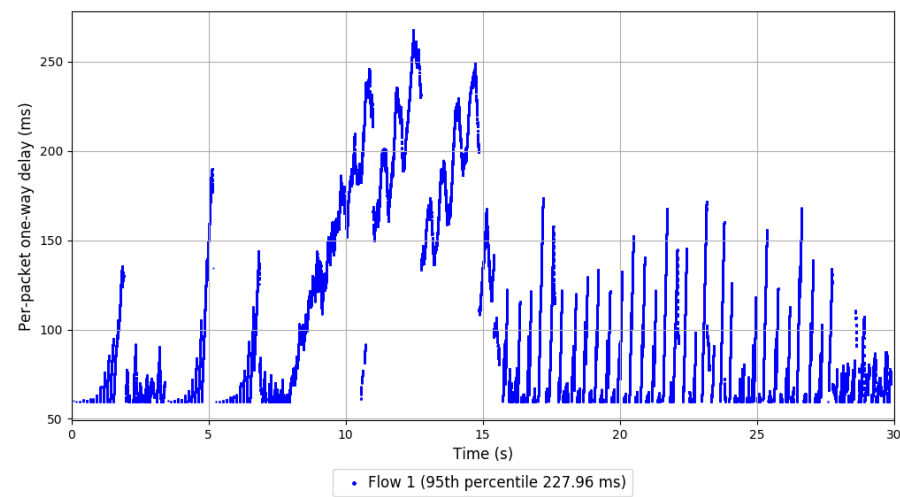
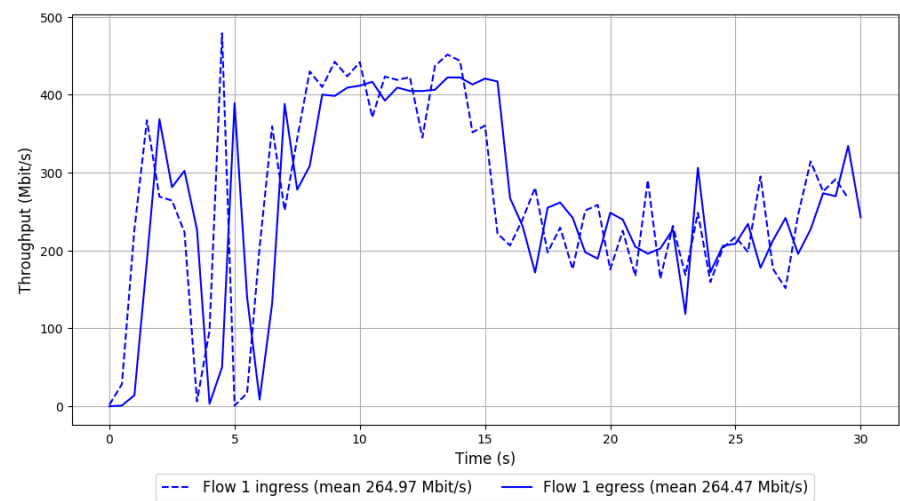
-- Flow 1:

Average throughput: 264.47 Mbit/s

95th percentile per-packet one-way delay: 227.959 ms

Loss rate: 0.36%

Run 4: Report of Verus — Data Link

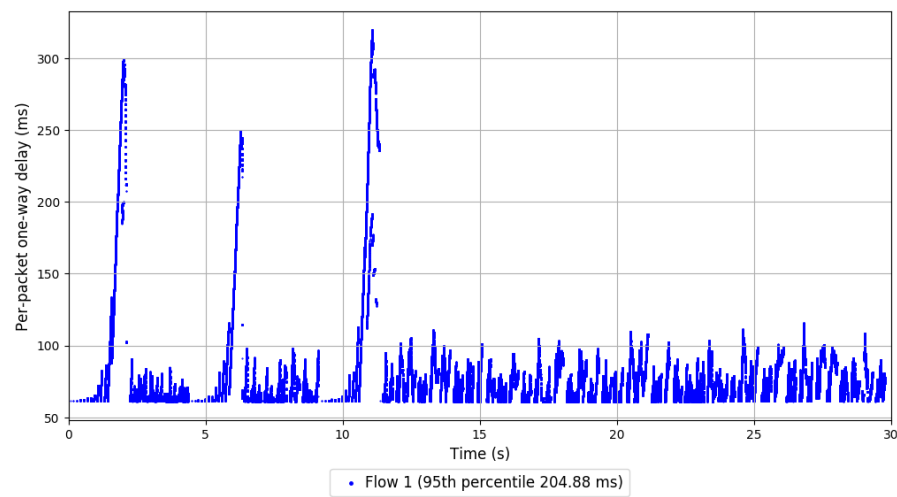
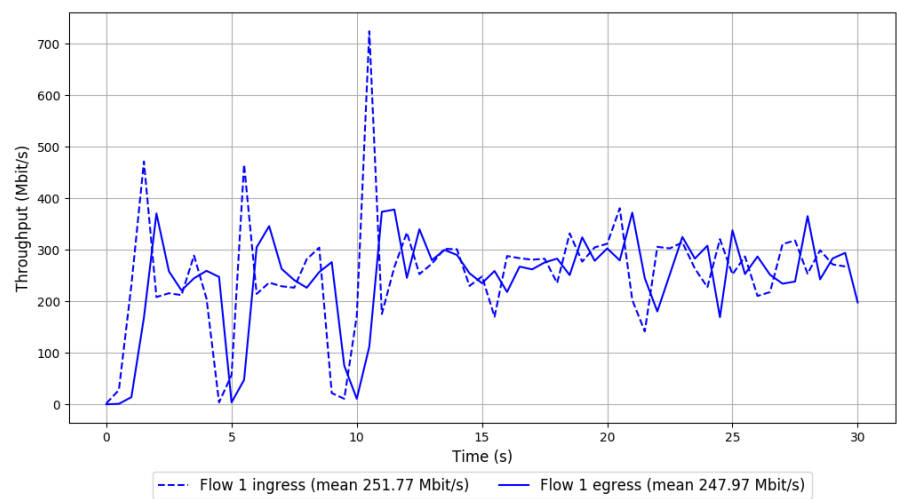


Run 5: Statistics of Verus

Start at: 2018-07-19 13:14:20
End at: 2018-07-19 13:14:50
Local clock offset: 0.156 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-19 17:03:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.97 Mbit/s
95th percentile per-packet one-way delay: 204.885 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 247.97 Mbit/s
95th percentile per-packet one-way delay: 204.885 ms
Loss rate: 2.26%

Run 5: Report of Verus — Data Link

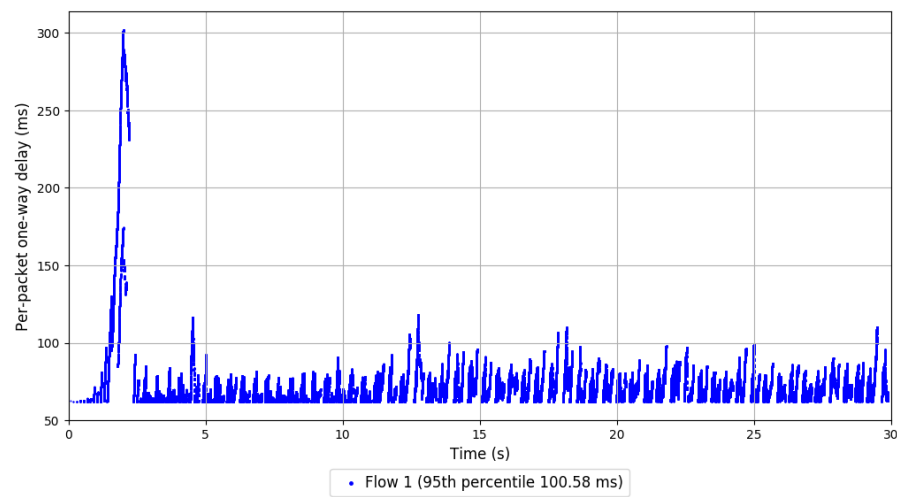
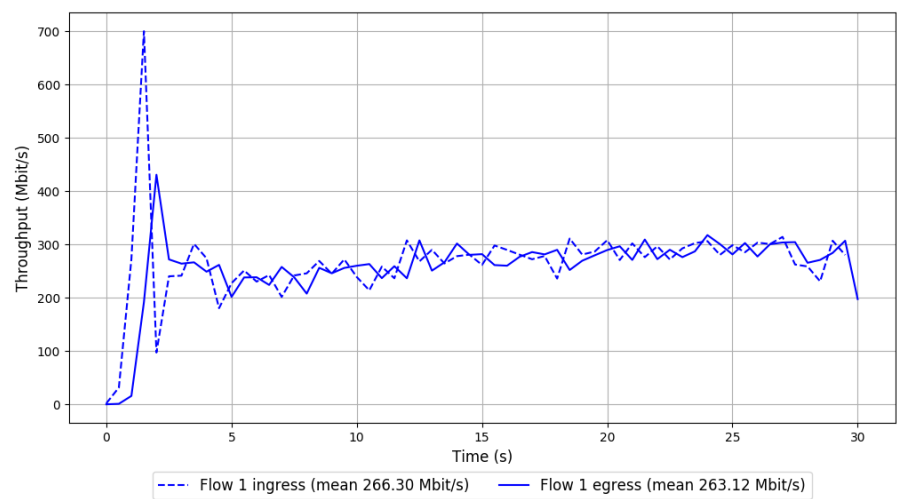


Run 6: Statistics of Verus

Start at: 2018-07-19 13:36:33
End at: 2018-07-19 13:37:03
Local clock offset: 0.169 ms
Remote clock offset: -1.256 ms

Below is generated by plot.py at 2018-07-19 17:03:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.12 Mbit/s
95th percentile per-packet one-way delay: 100.575 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 263.12 Mbit/s
95th percentile per-packet one-way delay: 100.575 ms
Loss rate: 1.42%

Run 6: Report of Verus — Data Link

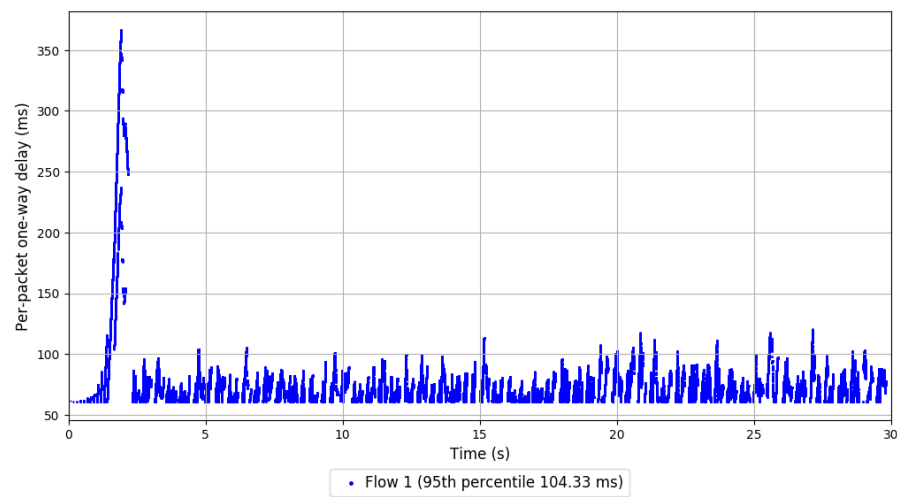
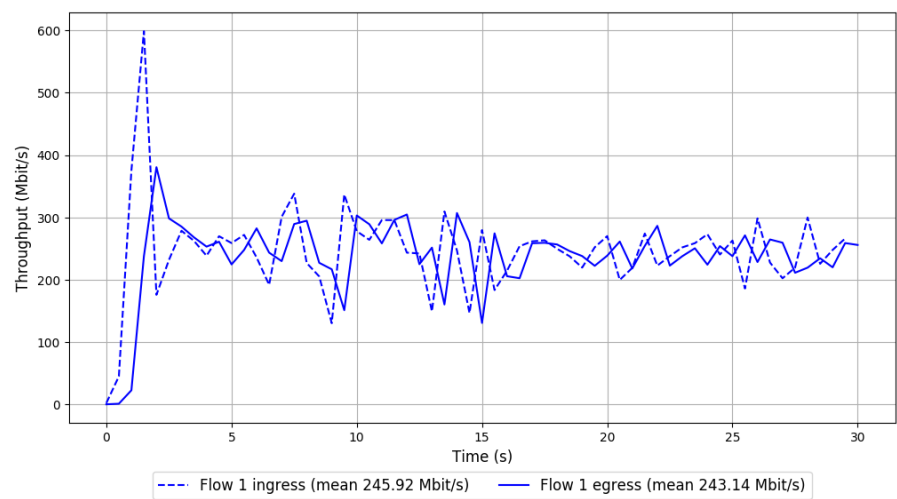


Run 7: Statistics of Verus

Start at: 2018-07-19 13:58:36
End at: 2018-07-19 13:59:07
Local clock offset: 0.018 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-19 17:04:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.14 Mbit/s
95th percentile per-packet one-way delay: 104.333 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 243.14 Mbit/s
95th percentile per-packet one-way delay: 104.333 ms
Loss rate: 1.84%

Run 7: Report of Verus — Data Link

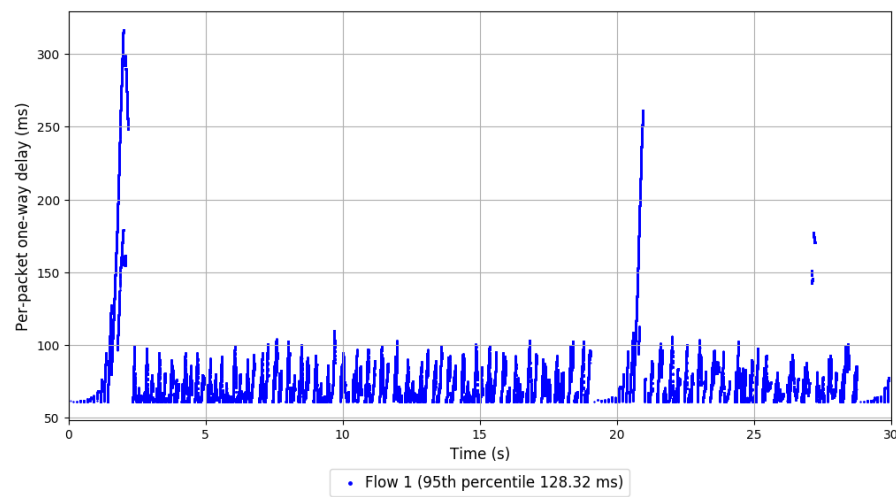
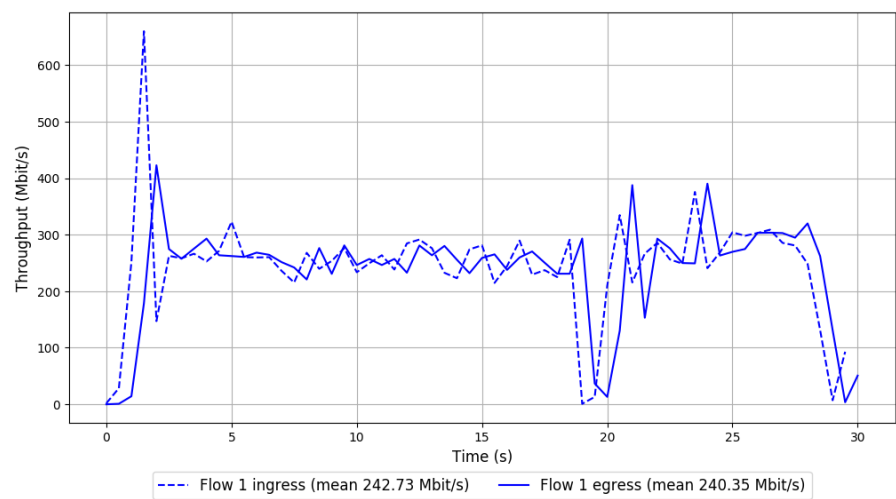


Run 8: Statistics of Verus

Start at: 2018-07-19 14:20:41
End at: 2018-07-19 14:21:11
Local clock offset: -0.103 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-19 17:04:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 240.35 Mbit/s
95th percentile per-packet one-way delay: 128.317 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 240.35 Mbit/s
95th percentile per-packet one-way delay: 128.317 ms
Loss rate: 1.39%

Run 8: Report of Verus — Data Link

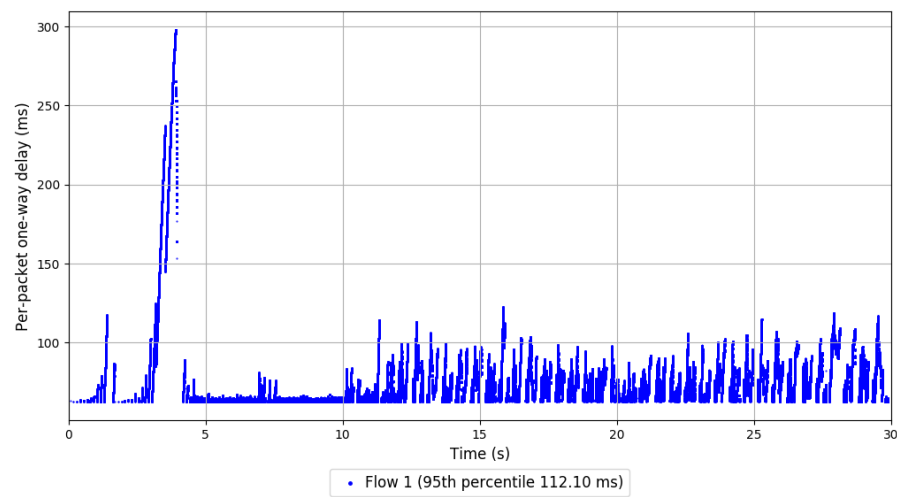
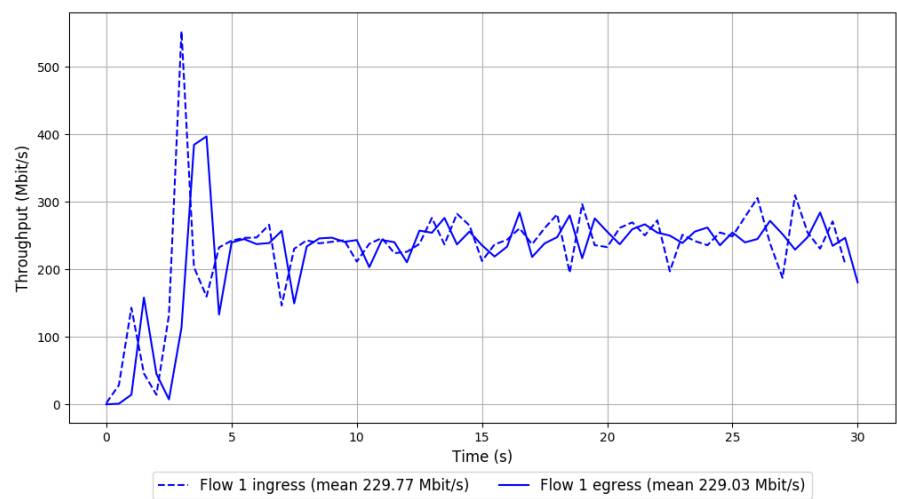


Run 9: Statistics of Verus

Start at: 2018-07-19 14:42:38
End at: 2018-07-19 14:43:08
Local clock offset: -0.069 ms
Remote clock offset: -1.431 ms

Below is generated by plot.py at 2018-07-19 17:05:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.03 Mbit/s
95th percentile per-packet one-way delay: 112.100 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 229.03 Mbit/s
95th percentile per-packet one-way delay: 112.100 ms
Loss rate: 0.73%

Run 9: Report of Verus — Data Link

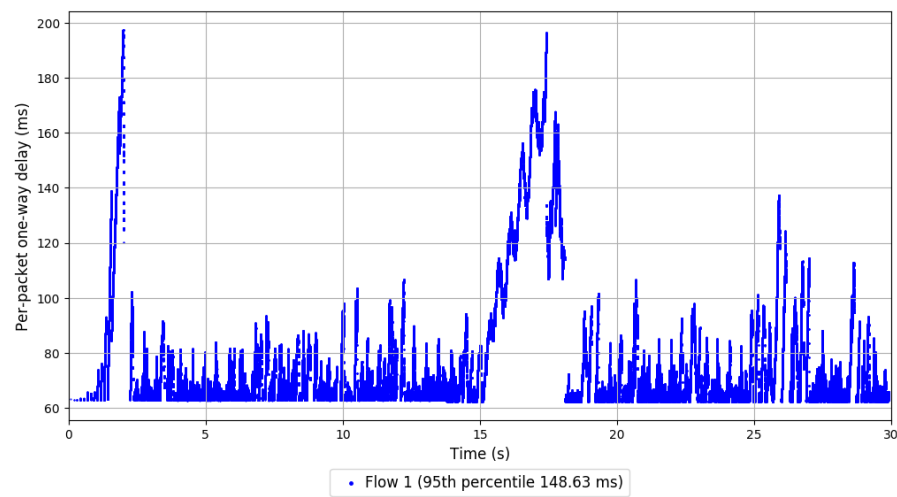
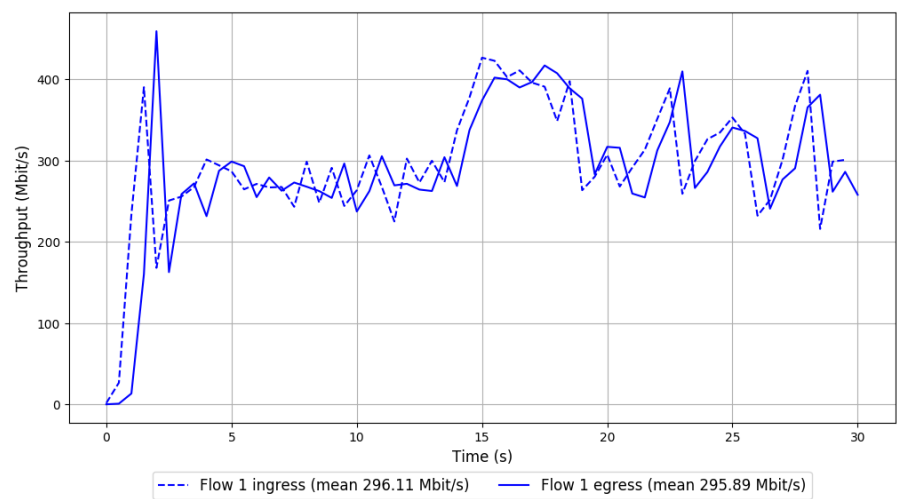


Run 10: Statistics of Verus

Start at: 2018-07-19 15:04:40
End at: 2018-07-19 15:05:10
Local clock offset: 0.052 ms
Remote clock offset: -1.393 ms

Below is generated by plot.py at 2018-07-19 17:07:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.89 Mbit/s
95th percentile per-packet one-way delay: 148.633 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 295.89 Mbit/s
95th percentile per-packet one-way delay: 148.633 ms
Loss rate: 0.47%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-19 11:40:52

End at: 2018-07-19 11:41:22

Local clock offset: -0.01 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-19 17:09:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.92 Mbit/s

95th percentile per-packet one-way delay: 70.975 ms

Loss rate: 0.44%

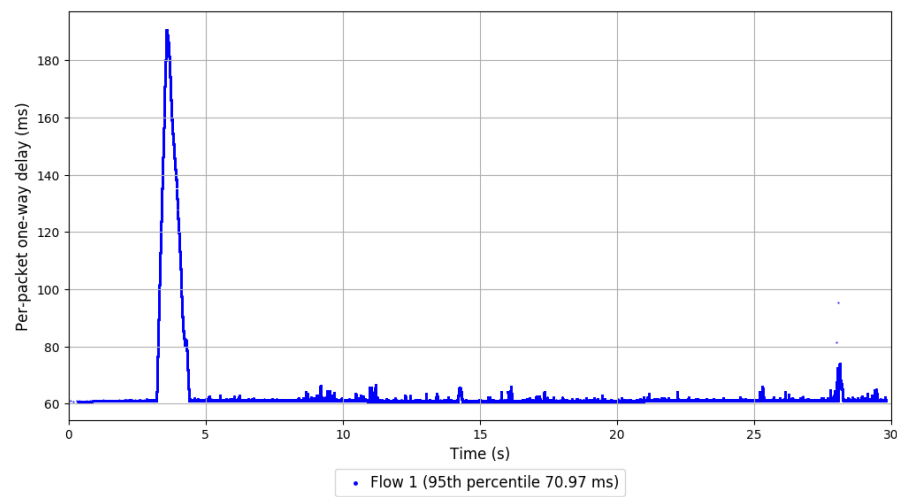
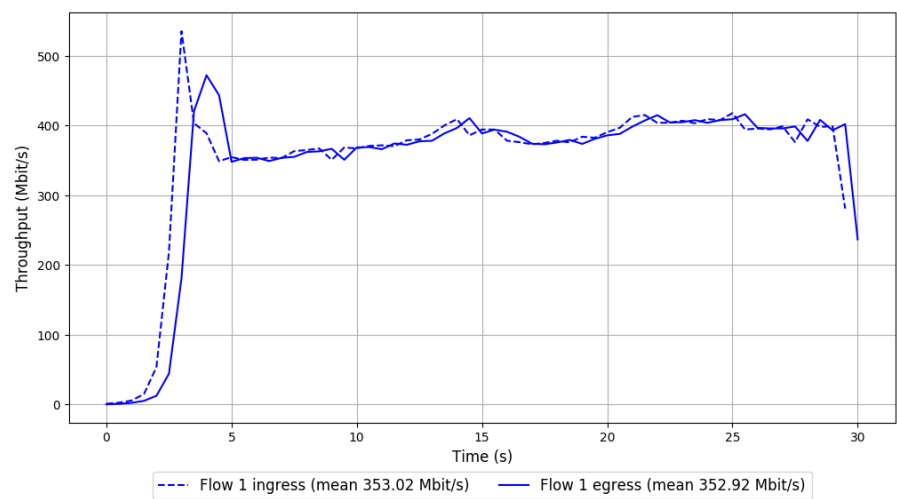
-- Flow 1:

Average throughput: 352.92 Mbit/s

95th percentile per-packet one-way delay: 70.975 ms

Loss rate: 0.44%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-19 12:03:04

End at: 2018-07-19 12:03:34

Local clock offset: 0.019 ms

Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-19 17:09:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.73 Mbit/s

95th percentile per-packet one-way delay: 64.515 ms

Loss rate: 0.52%

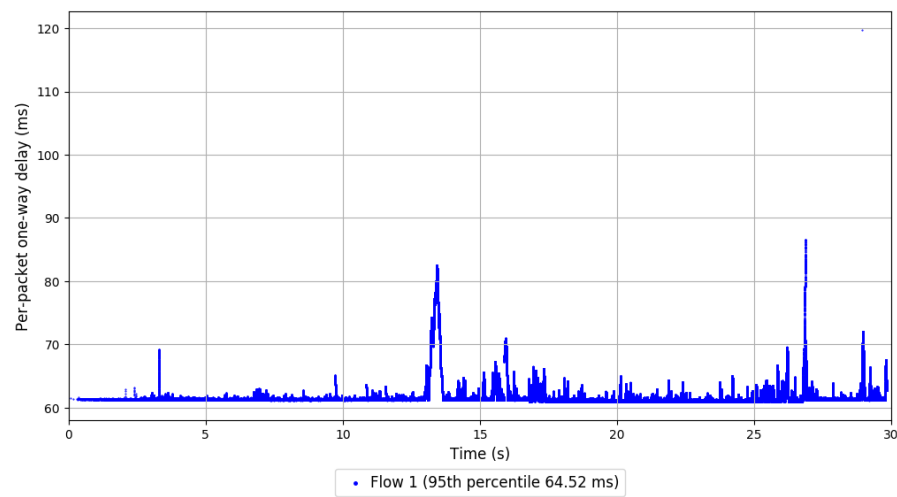
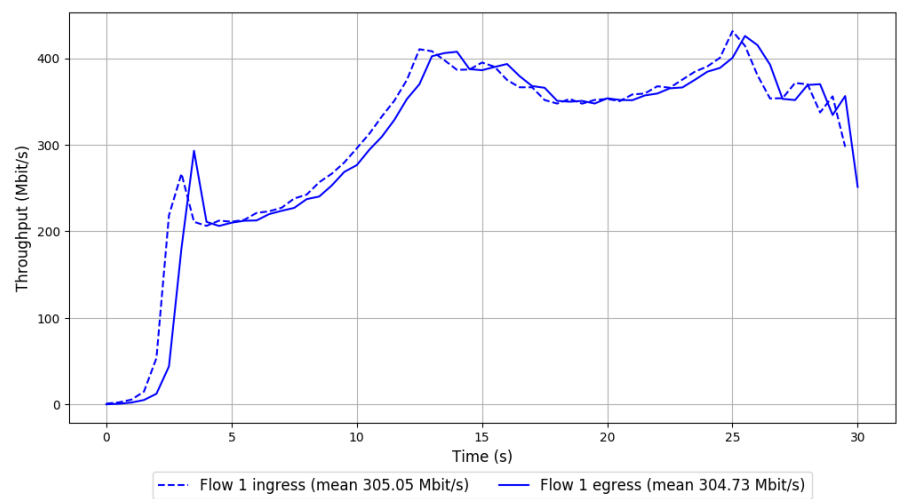
-- Flow 1:

Average throughput: 304.73 Mbit/s

95th percentile per-packet one-way delay: 64.515 ms

Loss rate: 0.52%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-19 12:25:10

End at: 2018-07-19 12:25:40

Local clock offset: 0.176 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-19 17:09:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 303.93 Mbit/s

95th percentile per-packet one-way delay: 64.297 ms

Loss rate: 1.01%

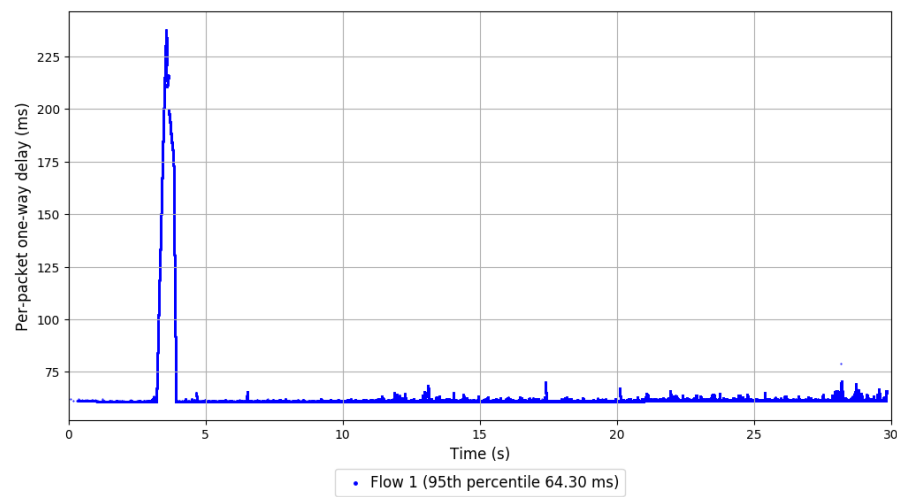
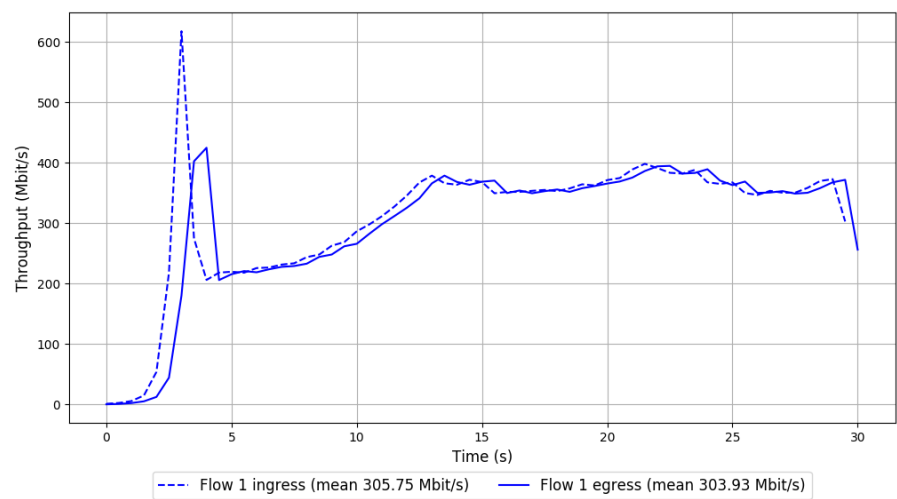
-- Flow 1:

Average throughput: 303.93 Mbit/s

95th percentile per-packet one-way delay: 64.297 ms

Loss rate: 1.01%

Run 3: Report of PCC-Vivace — Data Link

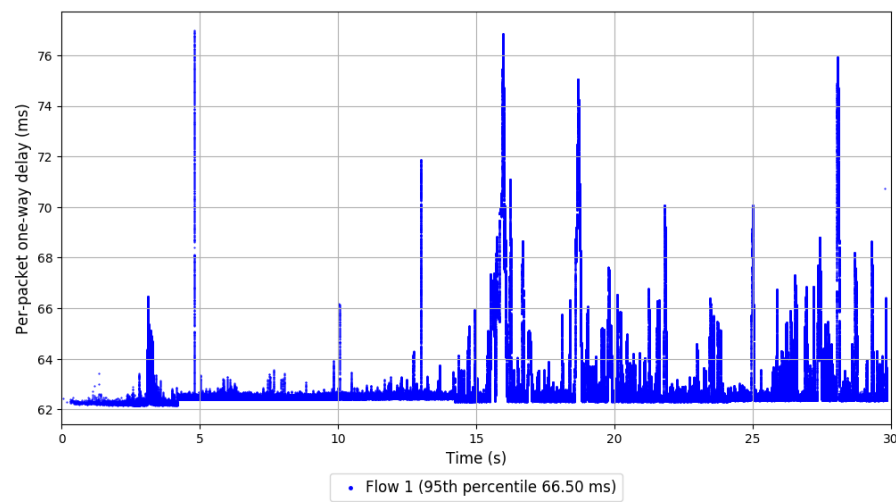
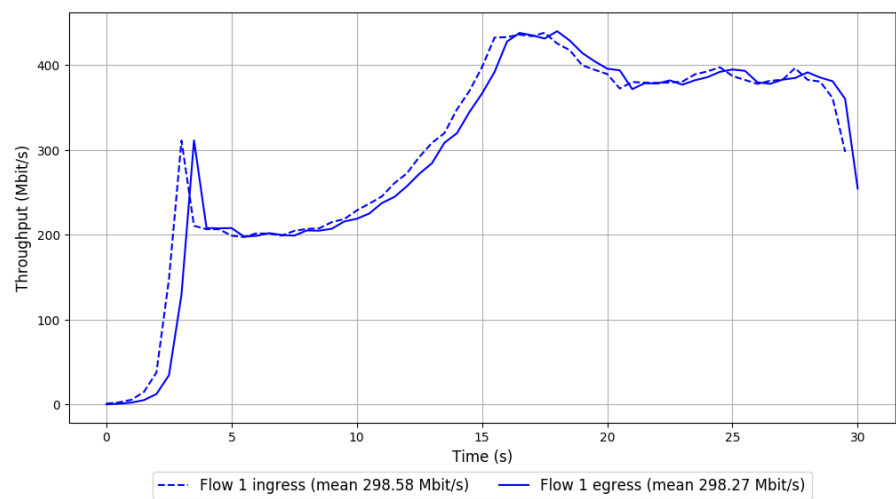


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-19 12:47:09
End at: 2018-07-19 12:47:39
Local clock offset: 0.107 ms
Remote clock offset: -1.295 ms

Below is generated by plot.py at 2018-07-19 17:09:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 298.27 Mbit/s
95th percentile per-packet one-way delay: 66.502 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 298.27 Mbit/s
95th percentile per-packet one-way delay: 66.502 ms
Loss rate: 0.51%

Run 4: Report of PCC-Vivace — Data Link

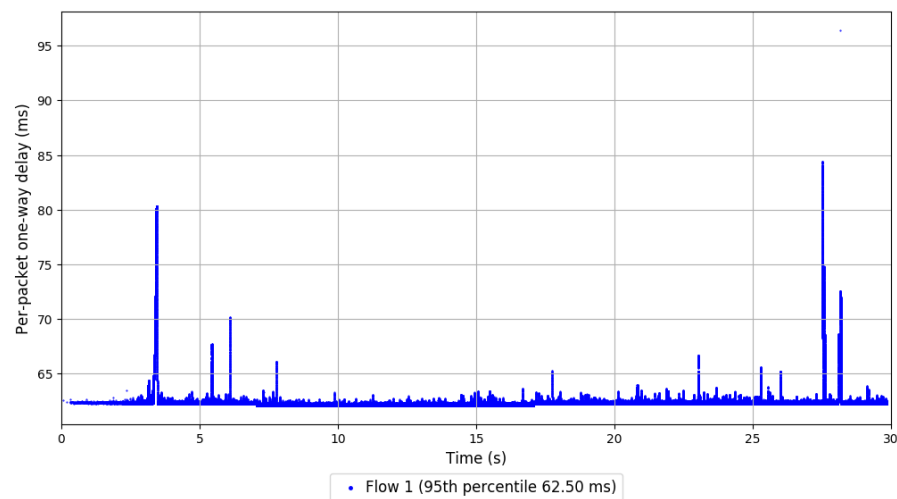
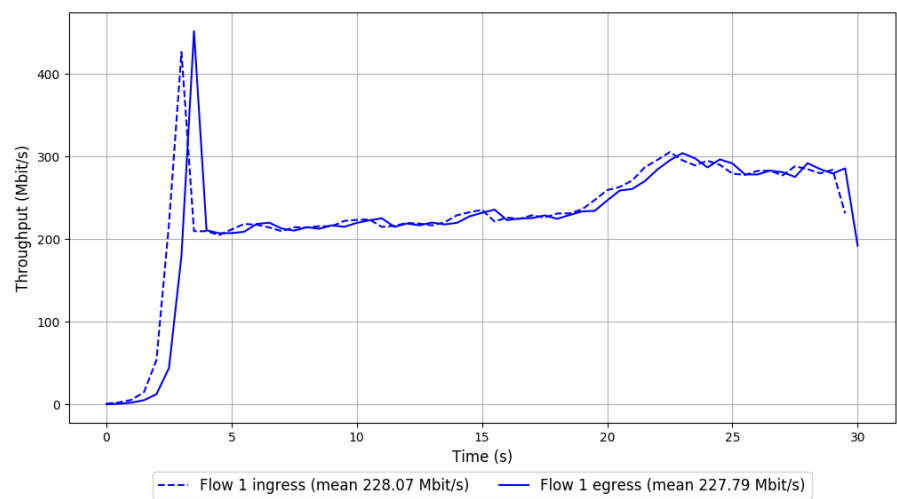


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-19 13:09:16
End at: 2018-07-19 13:09:46
Local clock offset: 0.121 ms
Remote clock offset: -1.367 ms

Below is generated by plot.py at 2018-07-19 17:09:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.79 Mbit/s
95th percentile per-packet one-way delay: 62.499 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 227.79 Mbit/s
95th percentile per-packet one-way delay: 62.499 ms
Loss rate: 0.53%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-19 13:31:24

End at: 2018-07-19 13:31:54

Local clock offset: 0.178 ms

Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-07-19 17:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.78 Mbit/s

95th percentile per-packet one-way delay: 64.003 ms

Loss rate: 0.53%

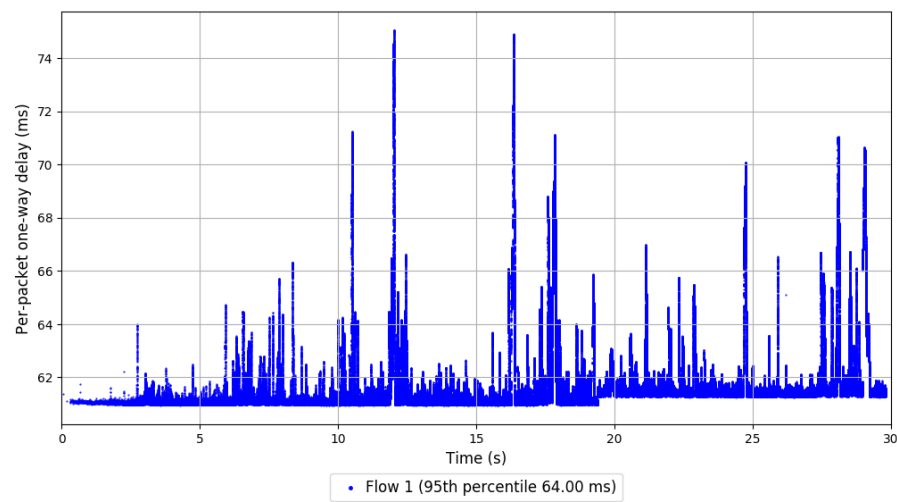
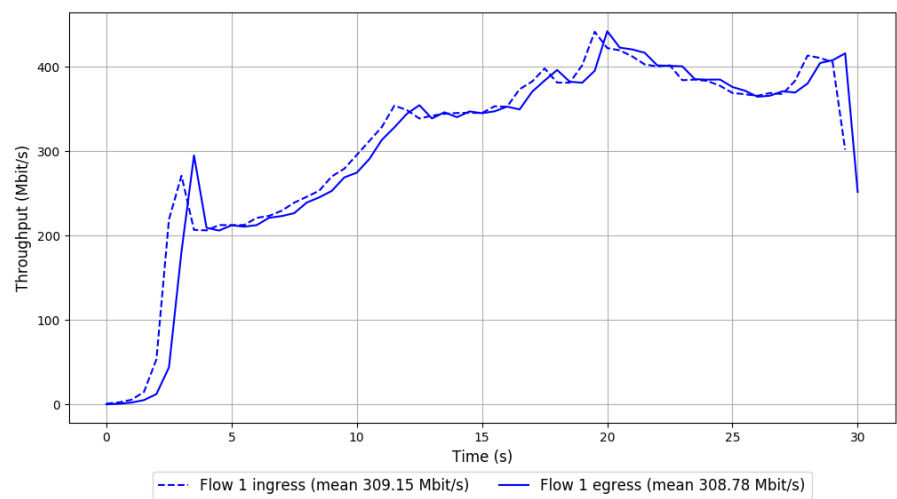
-- Flow 1:

Average throughput: 308.78 Mbit/s

95th percentile per-packet one-way delay: 64.003 ms

Loss rate: 0.53%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-19 13:53:25

End at: 2018-07-19 13:53:55

Local clock offset: 0.081 ms

Remote clock offset: 1.311 ms

Below is generated by plot.py at 2018-07-19 17:11:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.42 Mbit/s

95th percentile per-packet one-way delay: 74.073 ms

Loss rate: 0.41%

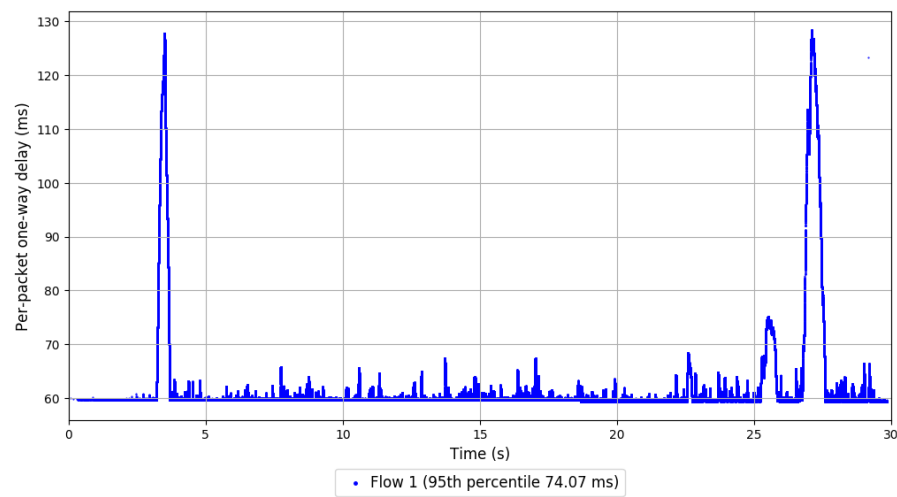
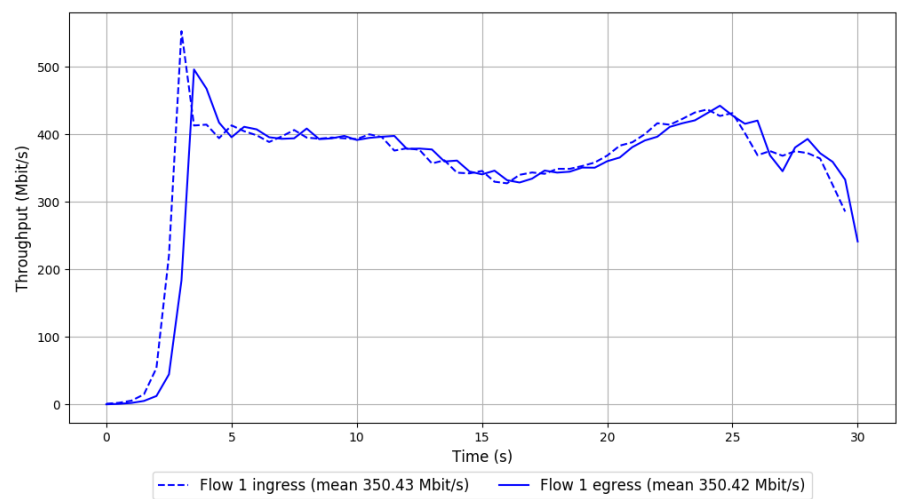
-- Flow 1:

Average throughput: 350.42 Mbit/s

95th percentile per-packet one-way delay: 74.073 ms

Loss rate: 0.41%

Run 7: Report of PCC-Vivace — Data Link

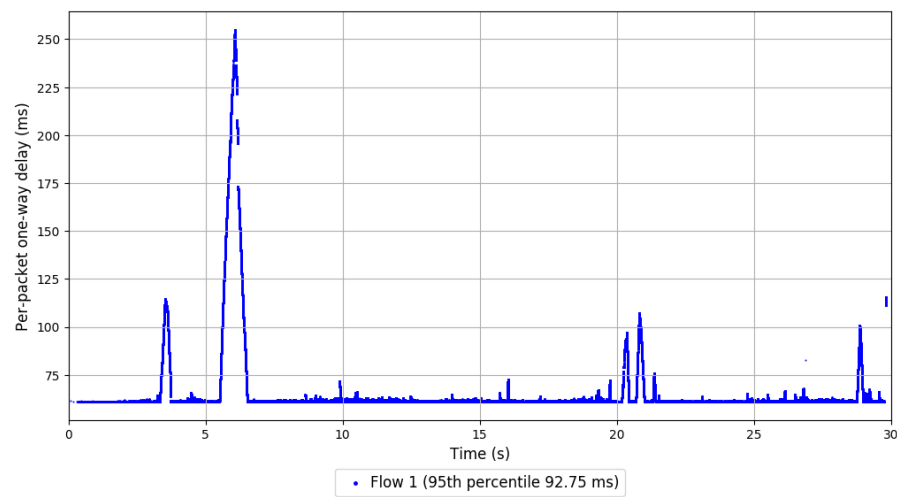
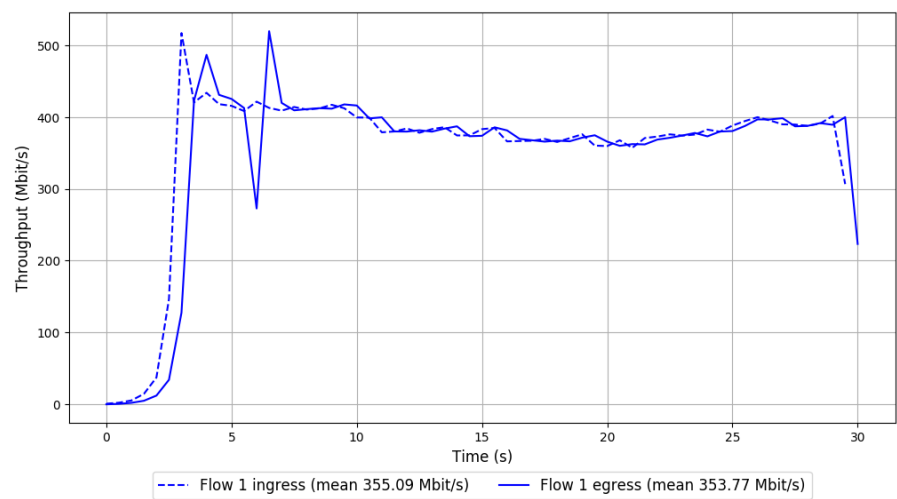


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-19 14:15:12
End at: 2018-07-19 14:15:42
Local clock offset: -0.076 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-19 17:12:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 353.77 Mbit/s
95th percentile per-packet one-way delay: 92.749 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 353.77 Mbit/s
95th percentile per-packet one-way delay: 92.749 ms
Loss rate: 0.78%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-19 14:37:25

End at: 2018-07-19 14:37:55

Local clock offset: -0.065 ms

Remote clock offset: 1.323 ms

Below is generated by plot.py at 2018-07-19 17:12:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.78 Mbit/s

95th percentile per-packet one-way delay: 76.354 ms

Loss rate: 0.51%

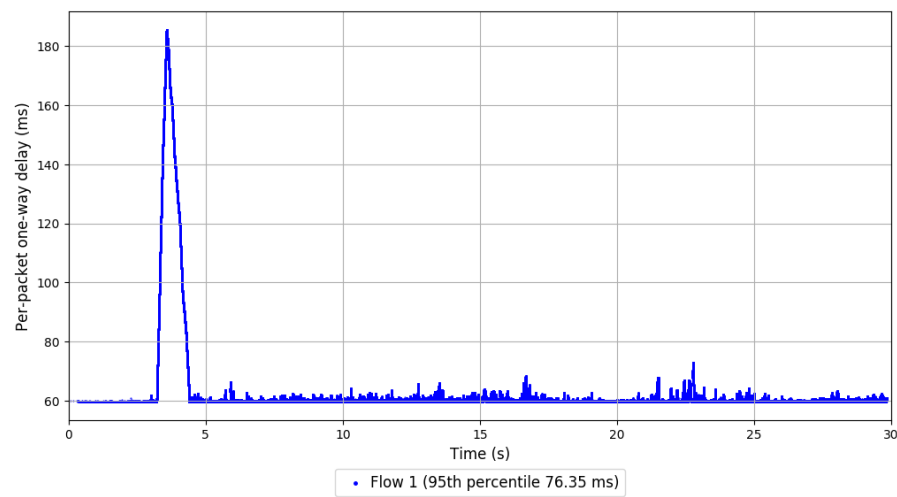
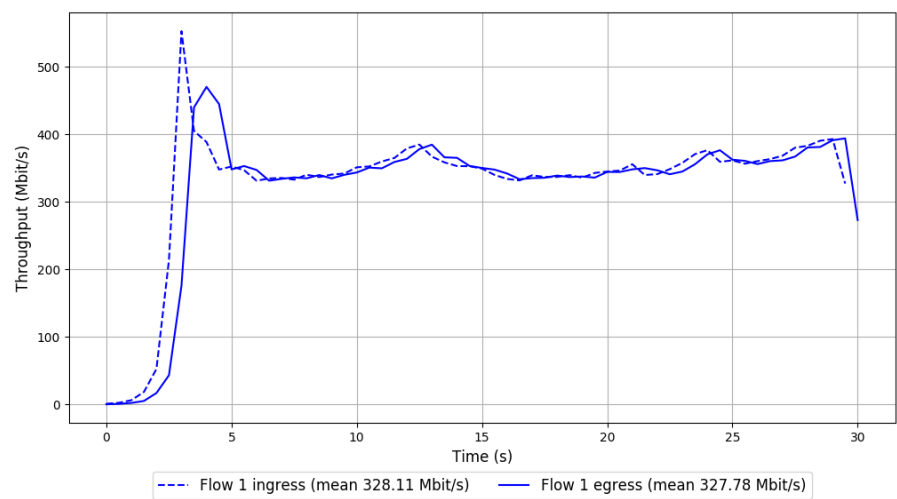
-- Flow 1:

Average throughput: 327.78 Mbit/s

95th percentile per-packet one-way delay: 76.354 ms

Loss rate: 0.51%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-19 14:59:27

End at: 2018-07-19 14:59:57

Local clock offset: -0.059 ms

Remote clock offset: 1.188 ms

Below is generated by plot.py at 2018-07-19 17:12:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 319.86 Mbit/s

95th percentile per-packet one-way delay: 106.909 ms

Loss rate: 0.60%

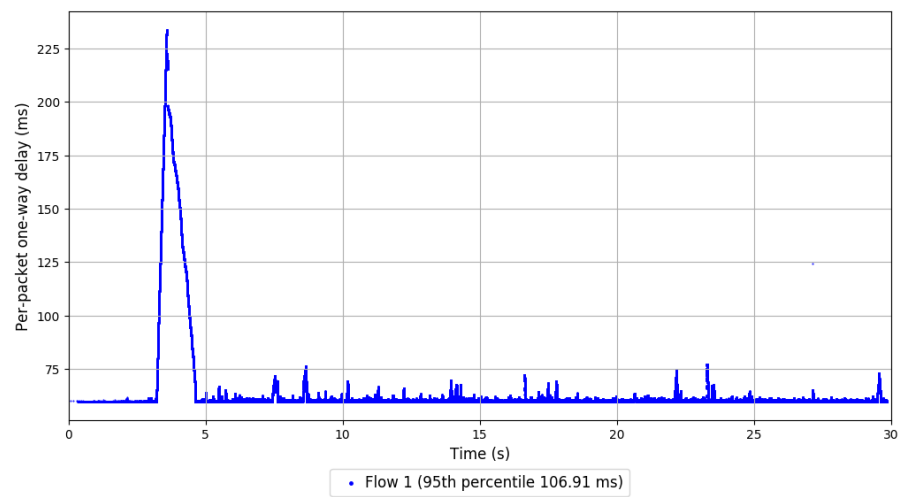
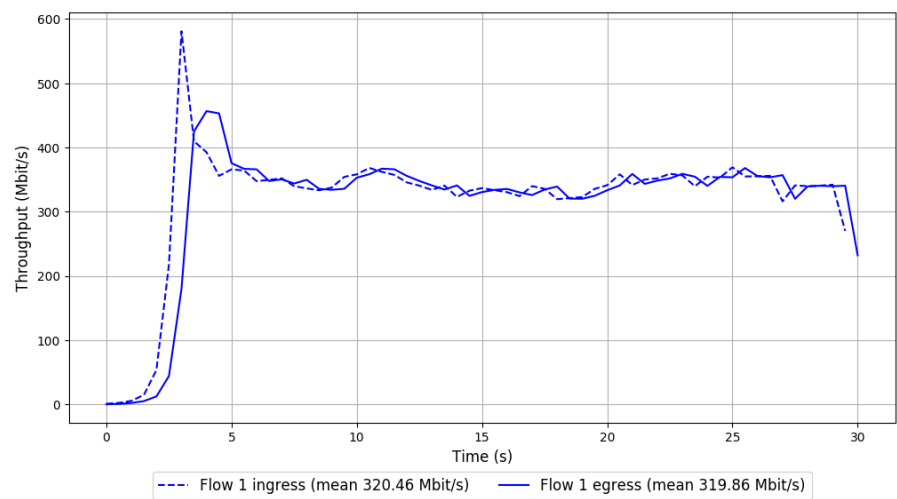
-- Flow 1:

Average throughput: 319.86 Mbit/s

95th percentile per-packet one-way delay: 106.909 ms

Loss rate: 0.60%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-19 11:39:46

End at: 2018-07-19 11:40:16

Local clock offset: -0.043 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-19 17:12:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 61.473 ms

Loss rate: 0.73%

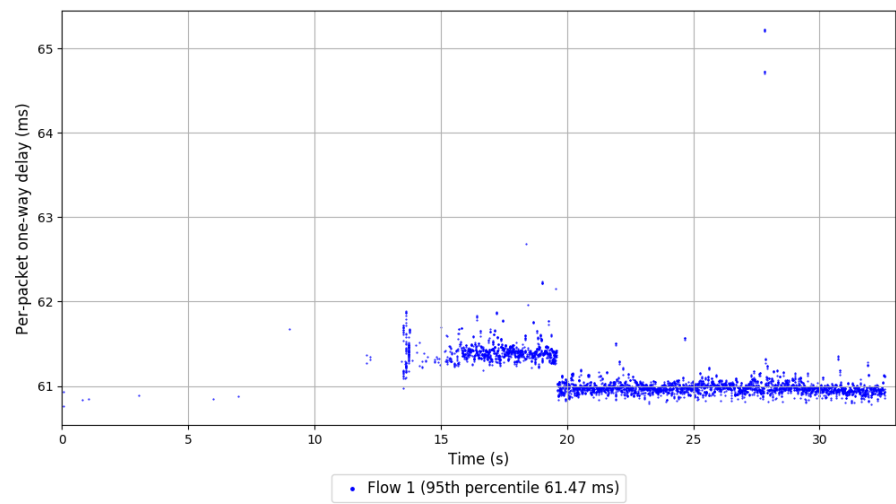
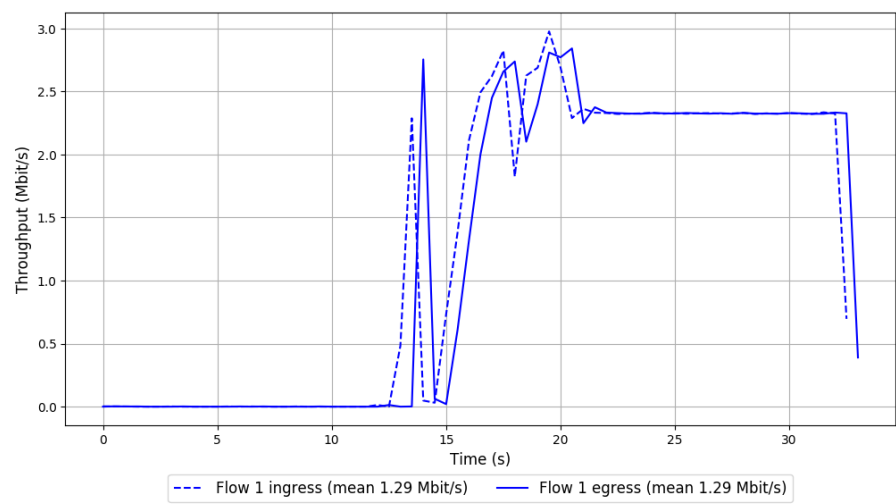
-- Flow 1:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 61.473 ms

Loss rate: 0.73%

Run 1: Report of WebRTC media — Data Link

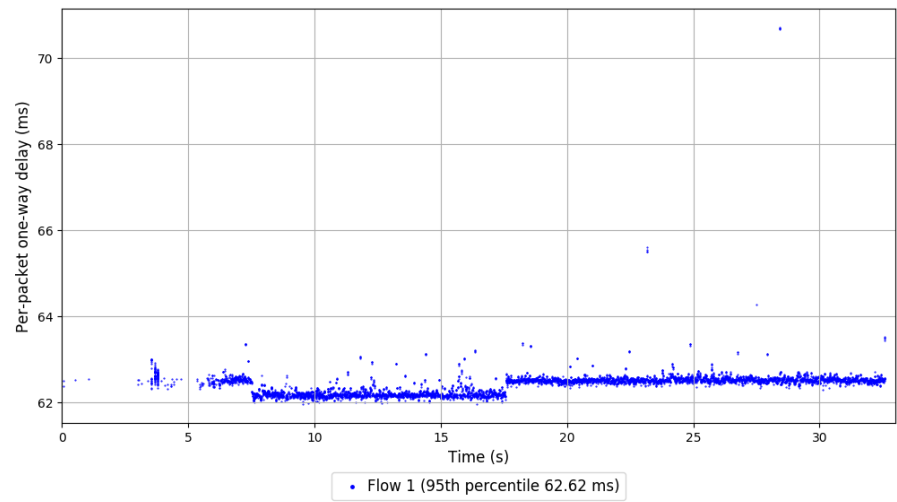
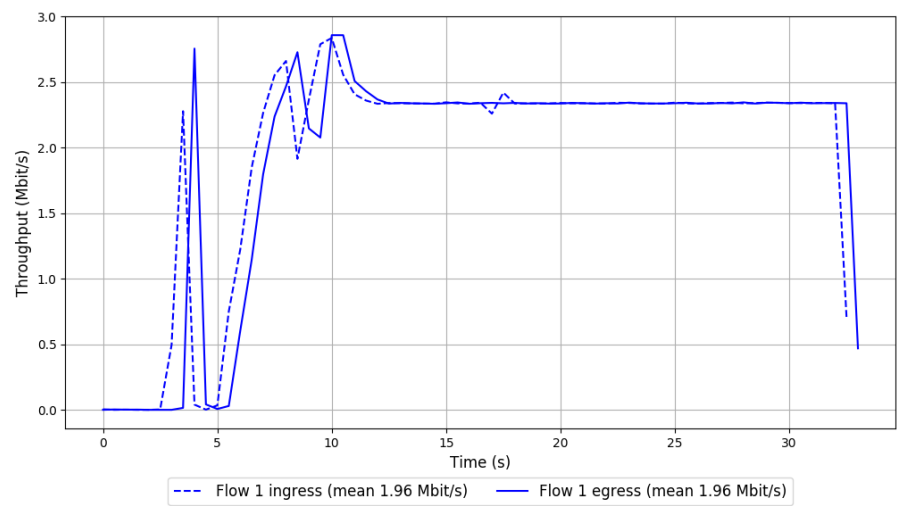


Run 2: Statistics of WebRTC media

Start at: 2018-07-19 12:01:58
End at: 2018-07-19 12:02:28
Local clock offset: 0.022 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-07-19 17:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 62.622 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 62.622 ms
Loss rate: 0.43%

Run 2: Report of WebRTC media — Data Link

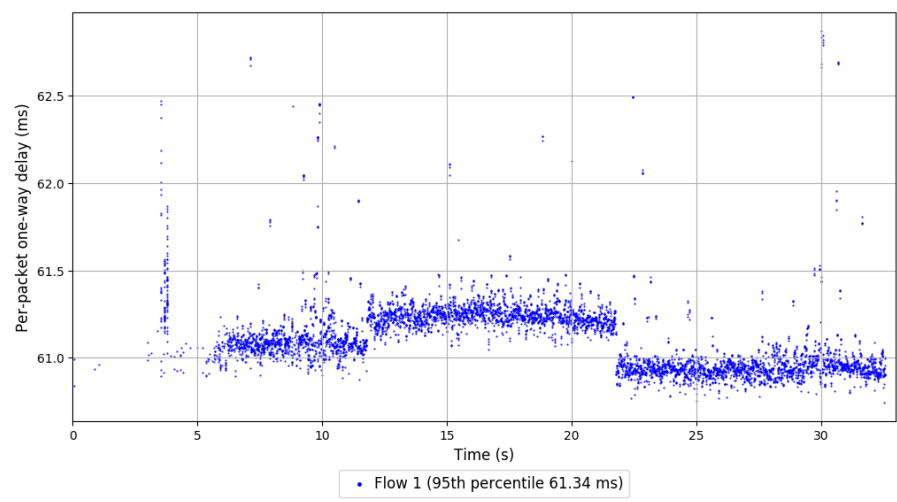
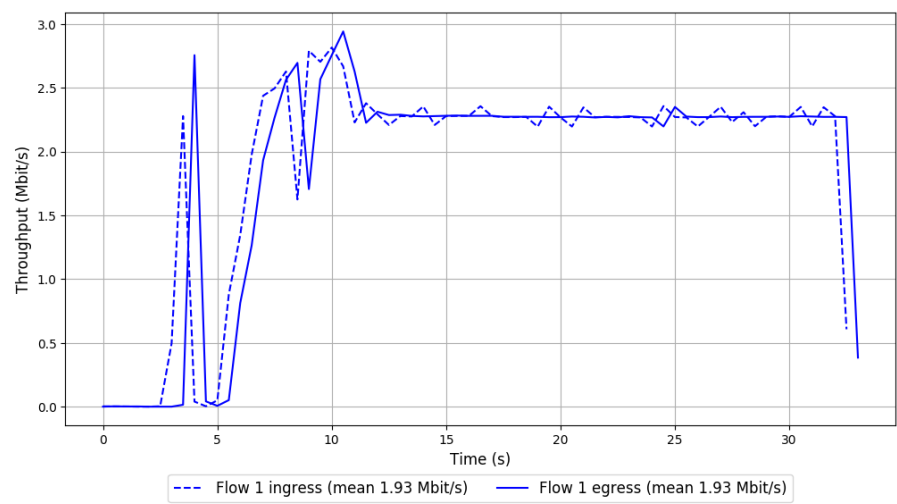


Run 3: Statistics of WebRTC media

Start at: 2018-07-19 12:24:04
End at: 2018-07-19 12:24:34
Local clock offset: 0.071 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-19 17:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.342 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.342 ms
Loss rate: 0.42%

Run 3: Report of WebRTC media — Data Link

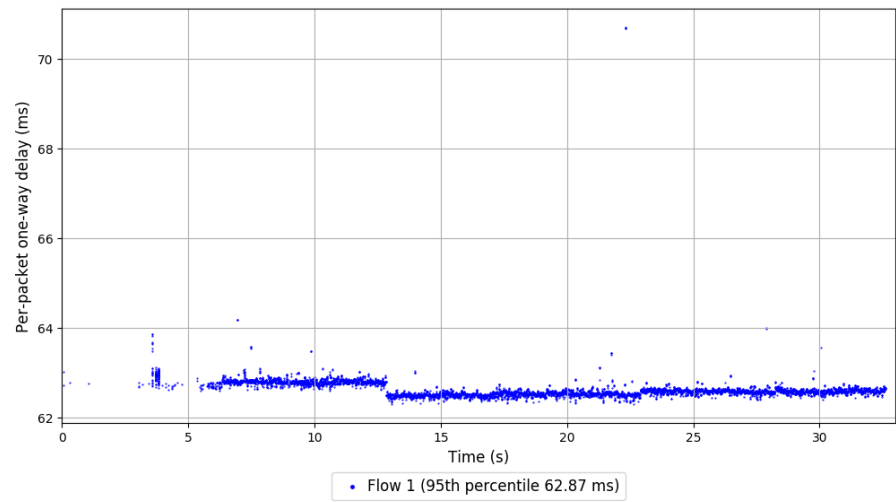
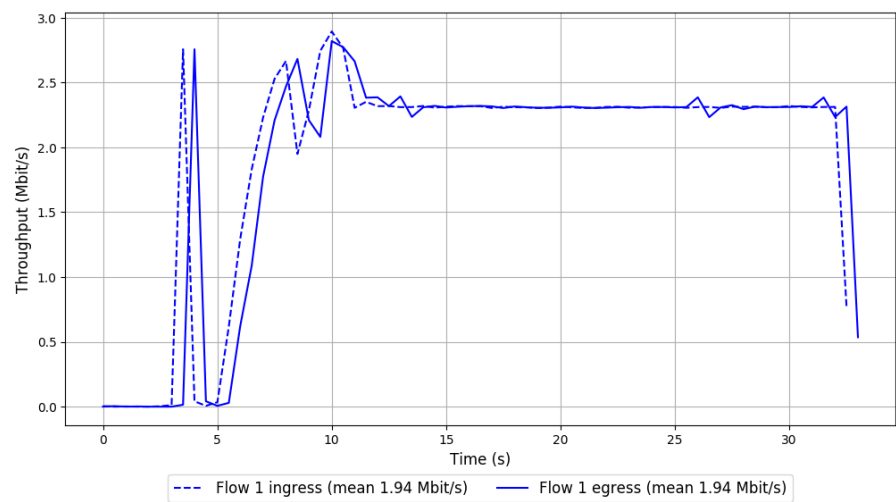


Run 4: Statistics of WebRTC media

Start at: 2018-07-19 12:46:03
End at: 2018-07-19 12:46:33
Local clock offset: 0.2 ms
Remote clock offset: -1.448 ms

Below is generated by plot.py at 2018-07-19 17:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 62.867 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 62.867 ms
Loss rate: 0.43%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-19 13:08:10

End at: 2018-07-19 13:08:40

Local clock offset: 0.135 ms

Remote clock offset: 1.342 ms

Below is generated by plot.py at 2018-07-19 17:12:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 60.039 ms

Loss rate: 0.42%

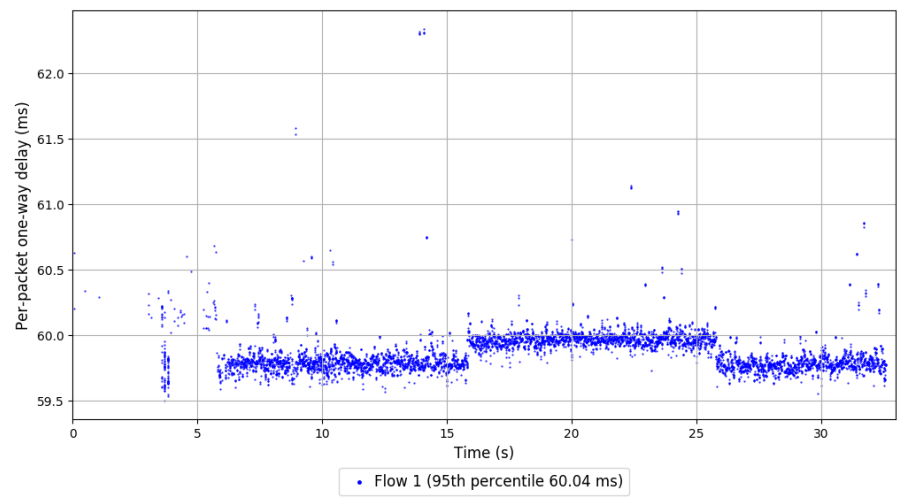
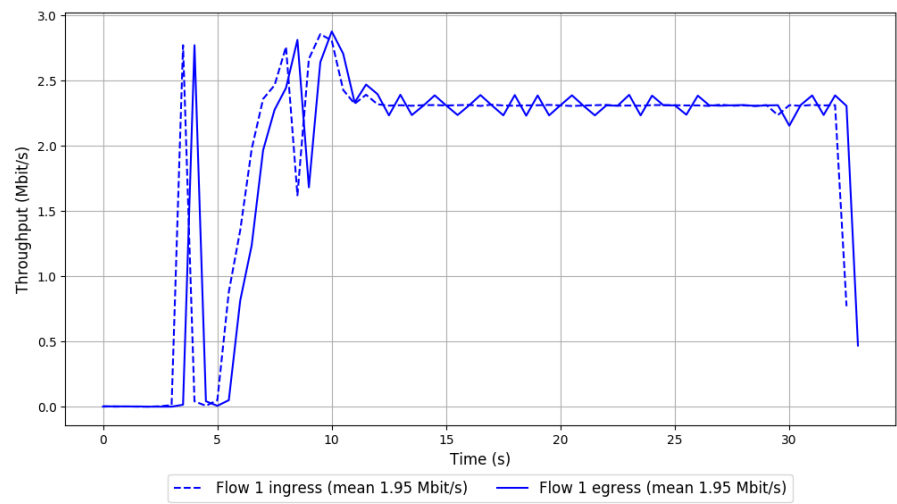
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 60.039 ms

Loss rate: 0.42%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-19 13:30:18

End at: 2018-07-19 13:30:48

Local clock offset: 0.187 ms

Remote clock offset: 1.352 ms

Below is generated by plot.py at 2018-07-19 17:12:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 59.880 ms

Loss rate: 0.48%

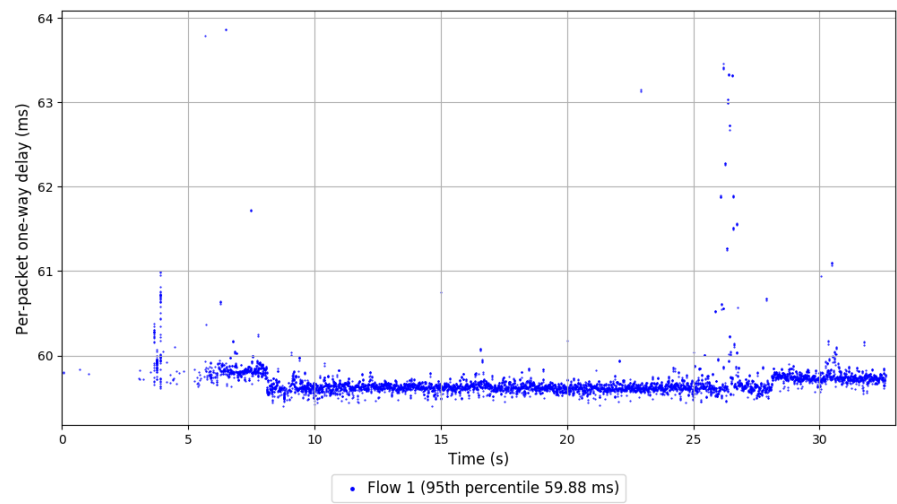
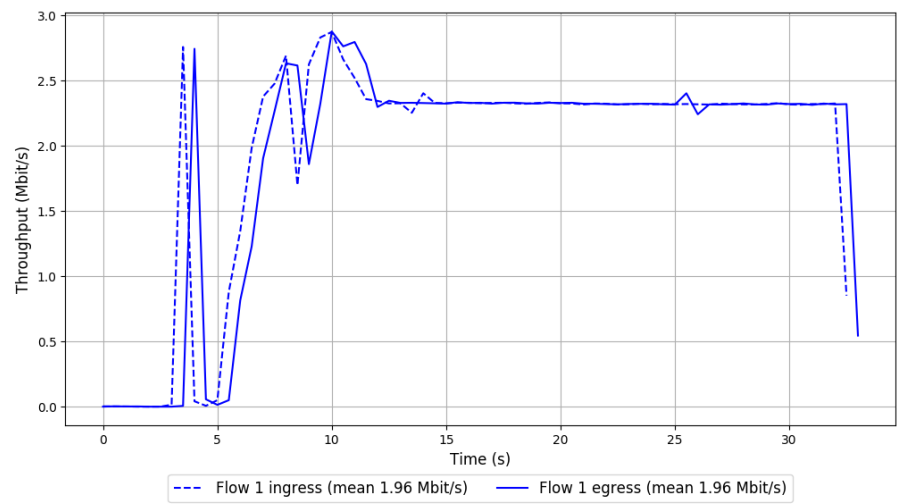
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 59.880 ms

Loss rate: 0.48%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-19 13:52:19

End at: 2018-07-19 13:52:49

Local clock offset: 0.101 ms

Remote clock offset: 1.223 ms

Below is generated by plot.py at 2018-07-19 17:12:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 60.097 ms

Loss rate: 0.43%

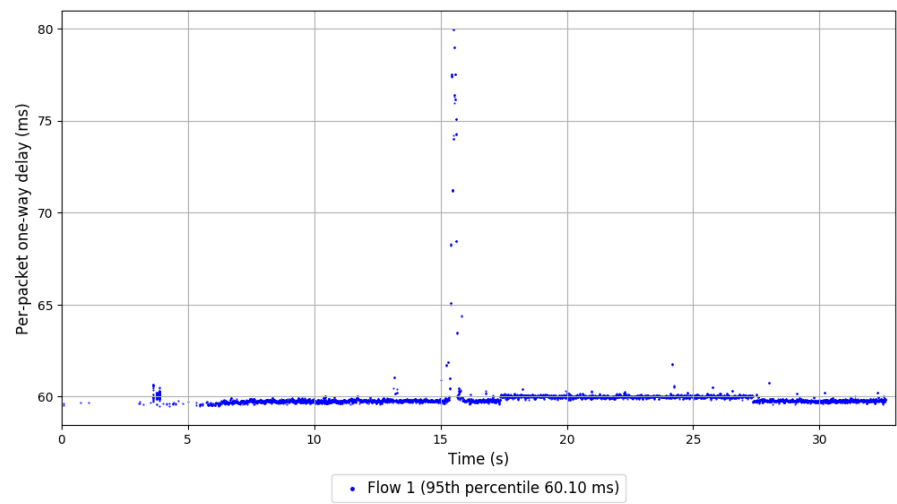
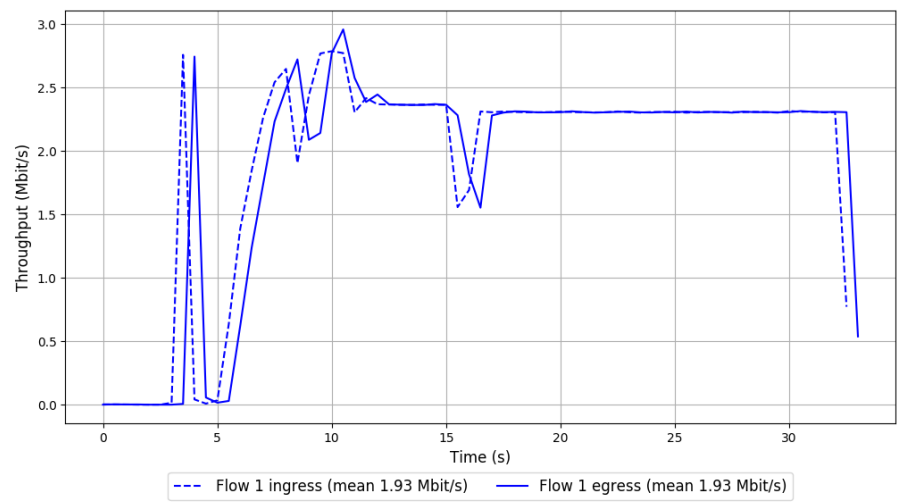
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 60.097 ms

Loss rate: 0.43%

Run 7: Report of WebRTC media — Data Link

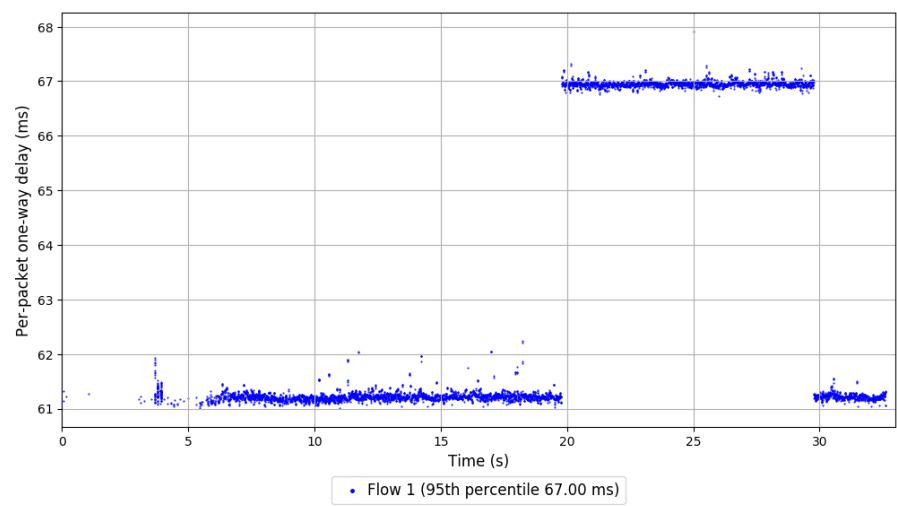
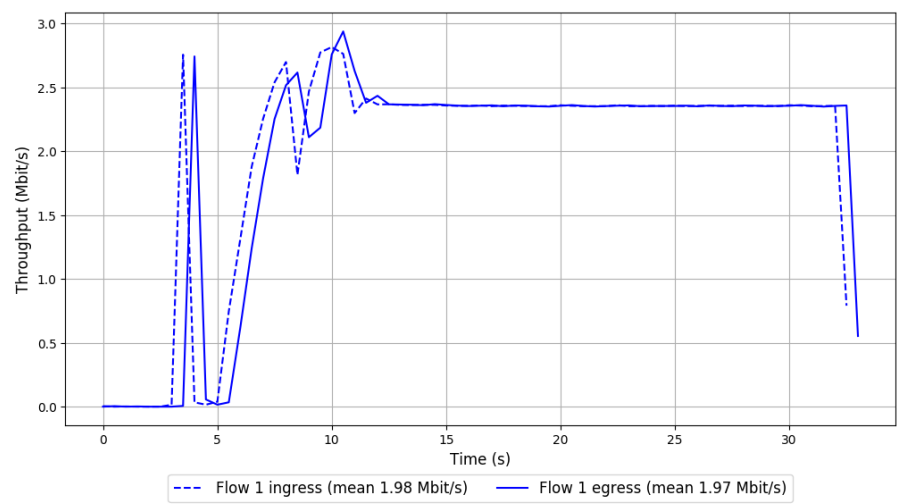


Run 8: Statistics of WebRTC media

Start at: 2018-07-19 14:14:06
End at: 2018-07-19 14:14:36
Local clock offset: -0.053 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-19 17:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 67.001 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 67.001 ms
Loss rate: 0.43%

Run 8: Report of WebRTC media — Data Link

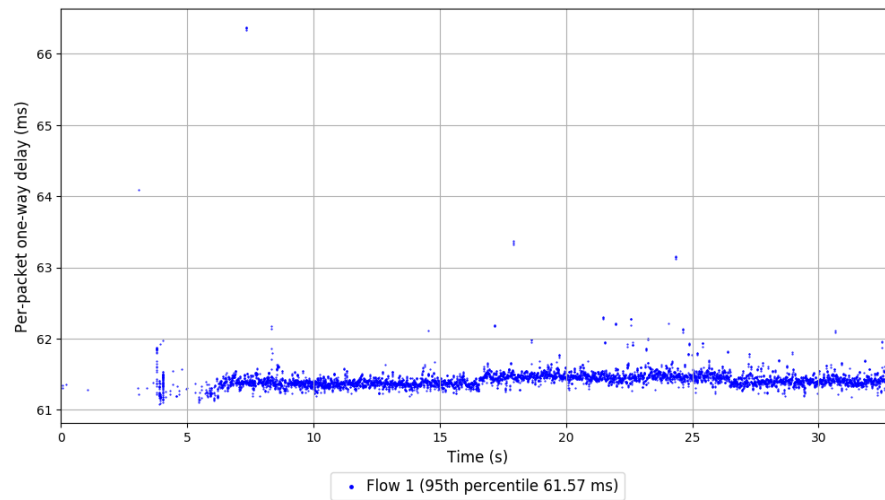
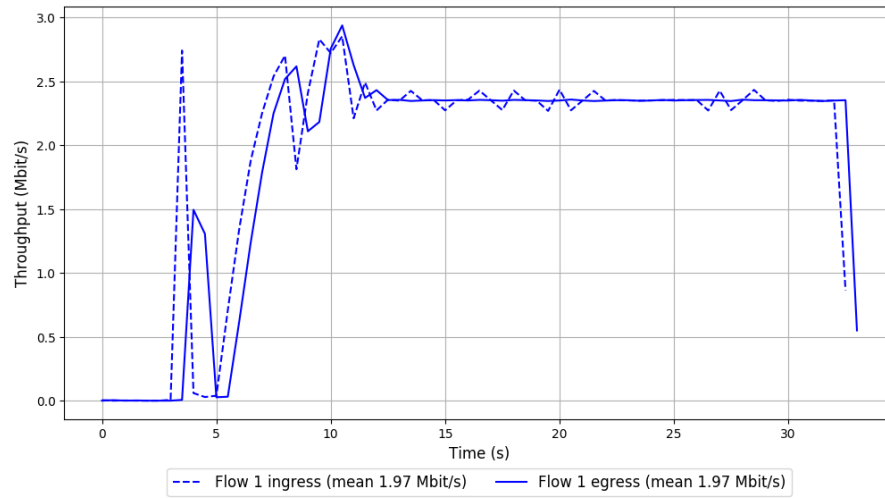


Run 9: Statistics of WebRTC media

Start at: 2018-07-19 14:36:20
End at: 2018-07-19 14:36:50
Local clock offset: -0.007 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-07-19 17:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 61.566 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 61.566 ms
Loss rate: 0.49%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-19 14:58:21

End at: 2018-07-19 14:58:51

Local clock offset: -0.045 ms

Remote clock offset: 1.378 ms

Below is generated by plot.py at 2018-07-19 17:12:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 59.922 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 59.922 ms

Loss rate: 0.48%

Run 10: Report of WebRTC media — Data Link

